

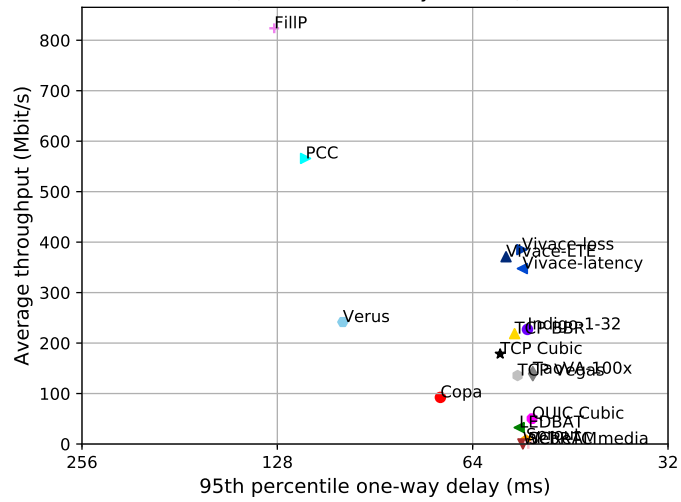
Pantheon Report

Generated at 2018-04-03 15:52:17 (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**).

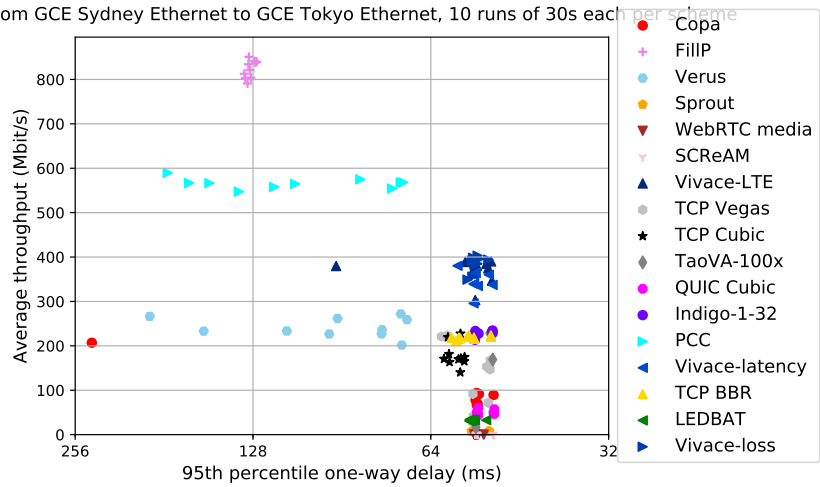
Git summary:

```
branch: master @ eb420b5be9bafccd22cf68b99ff5a2000462fc59
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 11f8c46a2bf1dc797253db7e8ca04076272b2a44
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeab30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ f271183af822eee5d0031620f4bebf38aedc5581
```

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



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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	218.73	55.15	0.00
TCP Cubic	10	178.46	58.05	0.00
LEDBAT	10	32.60	54.27	0.00
PCC	10	565.85	115.79	0.41
QUIC Cubic	9	50.25	51.85	0.00
SCReAM	10	0.21	52.54	0.00
WebRTC media	10	0.06	53.55	0.00
Sprout	10	7.83	52.95	0.00
TaoVA-100x	5	139.37	51.70	0.00
TCP Vegas	10	135.63	54.57	0.00
Verus	10	241.68	101.46	0.29
Copa	10	92.37	71.76	3.06
FillP	10	823.68	129.42	3.97
Indigo-1-32	10	227.02	52.69	0.00
Vivace-latency	10	347.61	53.66	0.00
Vivace-loss	10	385.12	53.75	0.00
Vivace-LTE	10	371.08	56.85	0.05

Run 1: Statistics of TCP BBR

Start at: 2018-04-03 09:45:54

End at: 2018-04-03 09:46:24

Below is generated by plot.py at 2018-04-03 14:07:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.81 Mbit/s

95th percentile per-packet one-way delay: 54.036 ms

Loss rate: 0.00%

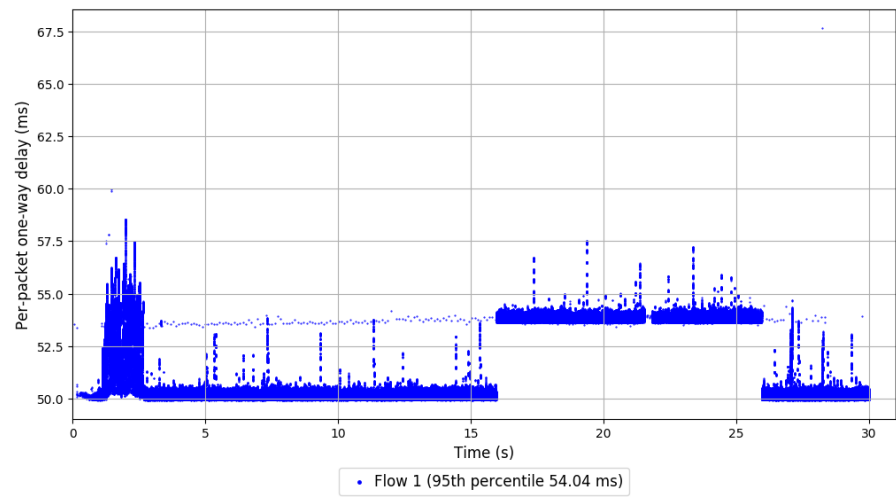
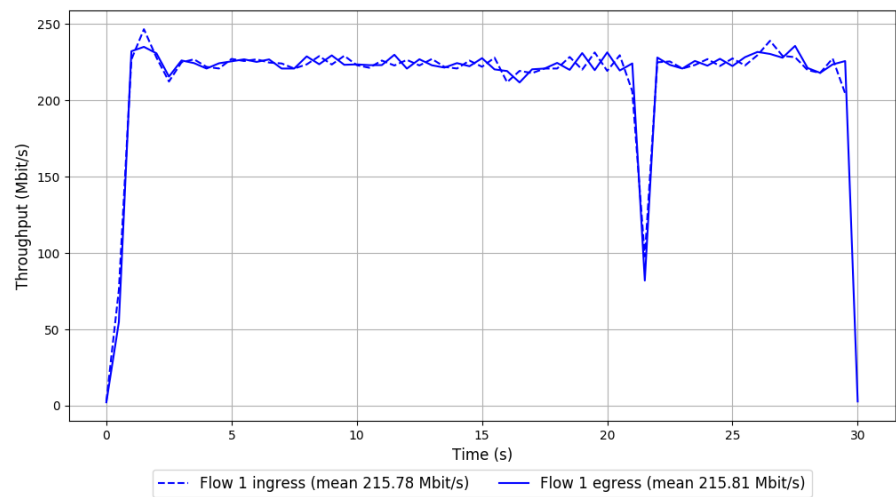
-- Flow 1:

Average throughput: 215.81 Mbit/s

95th percentile per-packet one-way delay: 54.036 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-04-03 10:00:32

End at: 2018-04-03 10:01:02

Below is generated by plot.py at 2018-04-03 14:07:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.64 Mbit/s

95th percentile per-packet one-way delay: 54.100 ms

Loss rate: 0.00%

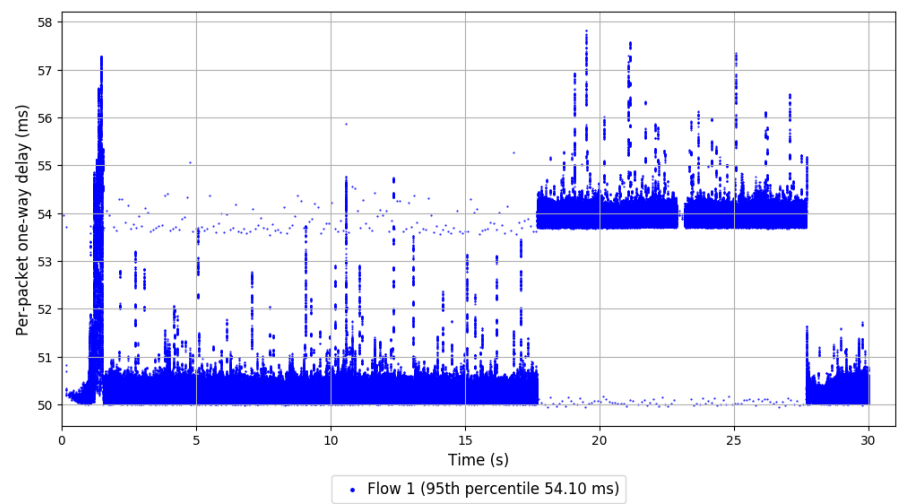
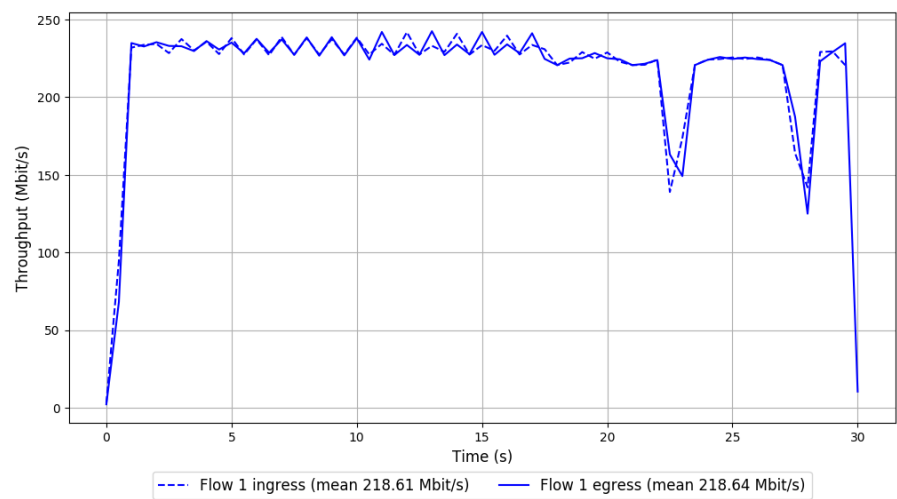
-- Flow 1:

Average throughput: 218.64 Mbit/s

95th percentile per-packet one-way delay: 54.100 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-04-03 10:14:56

End at: 2018-04-03 10:15:26

Below is generated by plot.py at 2018-04-03 14:07:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.38 Mbit/s

95th percentile per-packet one-way delay: 50.641 ms

Loss rate: 0.00%

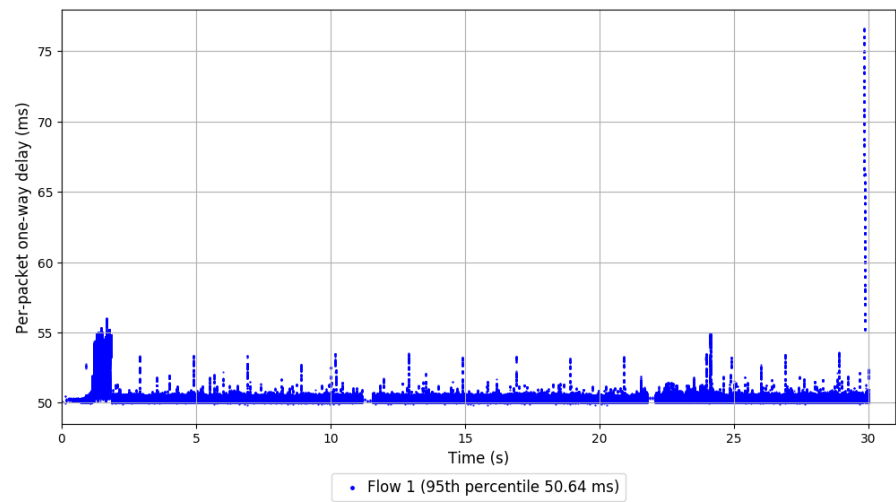
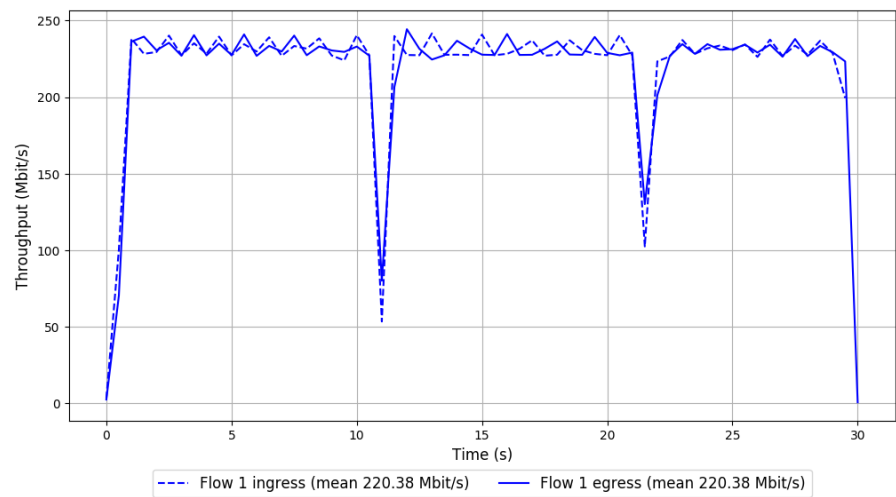
-- Flow 1:

Average throughput: 220.38 Mbit/s

95th percentile per-packet one-way delay: 50.641 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-04-03 10:29:12

End at: 2018-04-03 10:29:43

Below is generated by plot.py at 2018-04-03 14:08:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.62 Mbit/s

95th percentile per-packet one-way delay: 55.129 ms

Loss rate: 0.00%

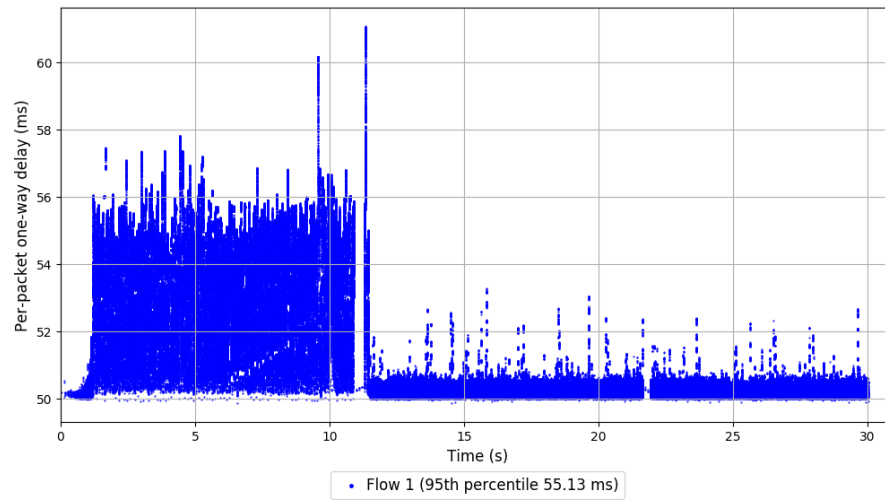
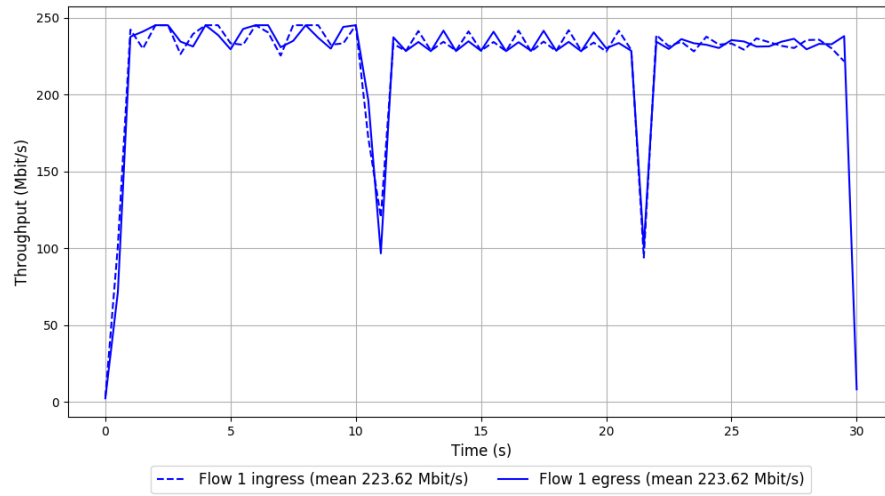
-- Flow 1:

Average throughput: 223.62 Mbit/s

95th percentile per-packet one-way delay: 55.129 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-04-03 10:43:33

End at: 2018-04-03 10:44:03

Below is generated by plot.py at 2018-04-03 14:08:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.73 Mbit/s

95th percentile per-packet one-way delay: 57.372 ms

Loss rate: 0.00%

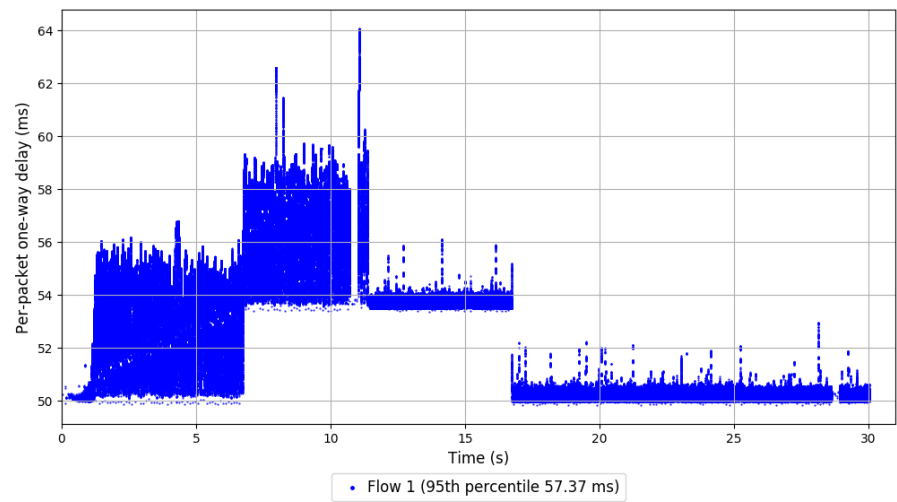
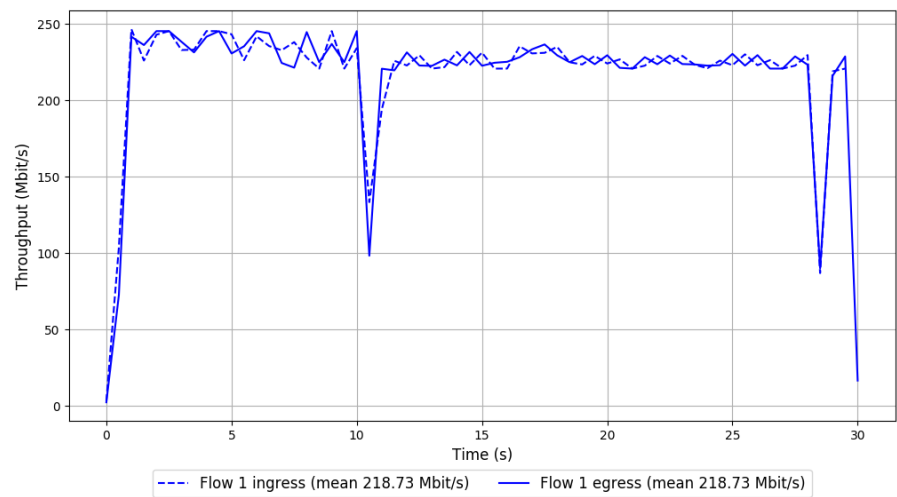
-- Flow 1:

Average throughput: 218.73 Mbit/s

95th percentile per-packet one-way delay: 57.372 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-04-03 10:57:43

End at: 2018-04-03 10:58:13

Below is generated by plot.py at 2018-04-03 14:08:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.00 Mbit/s

95th percentile per-packet one-way delay: 57.047 ms

Loss rate: 0.00%

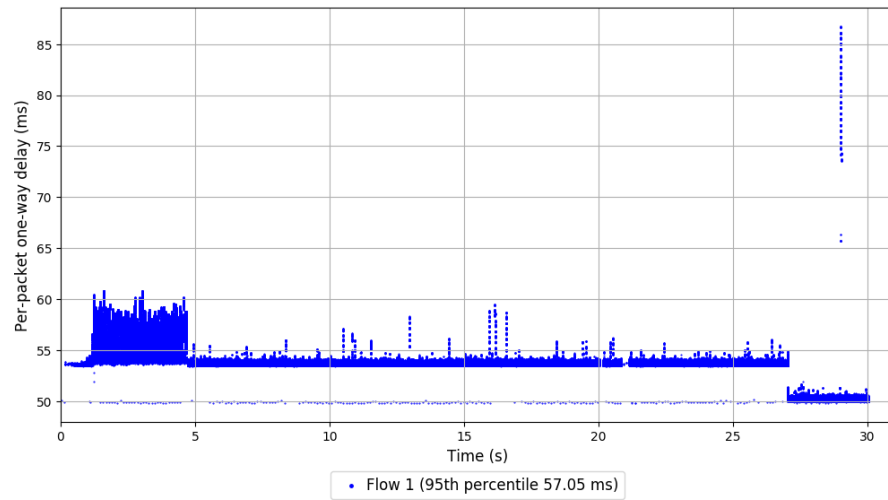
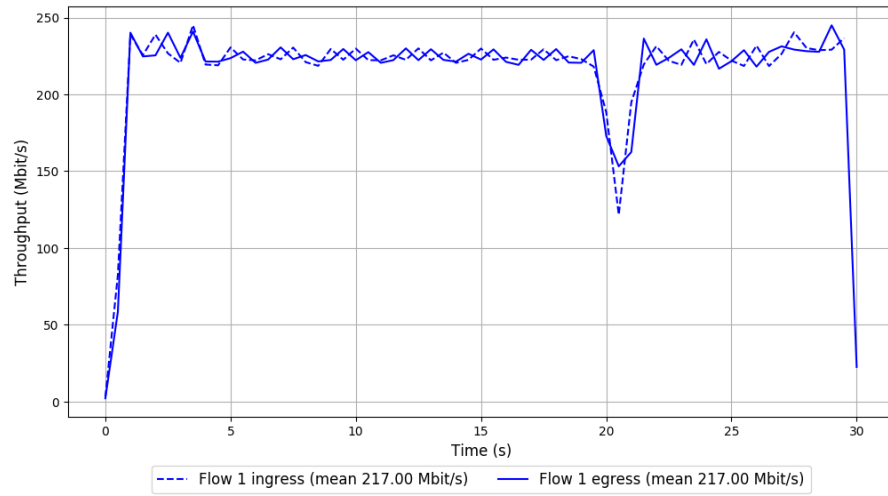
-- Flow 1:

Average throughput: 217.00 Mbit/s

95th percentile per-packet one-way delay: 57.047 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-04-03 11:12:08

End at: 2018-04-03 11:12:38

Below is generated by plot.py at 2018-04-03 14:08:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.39 Mbit/s

95th percentile per-packet one-way delay: 59.065 ms

Loss rate: 0.00%

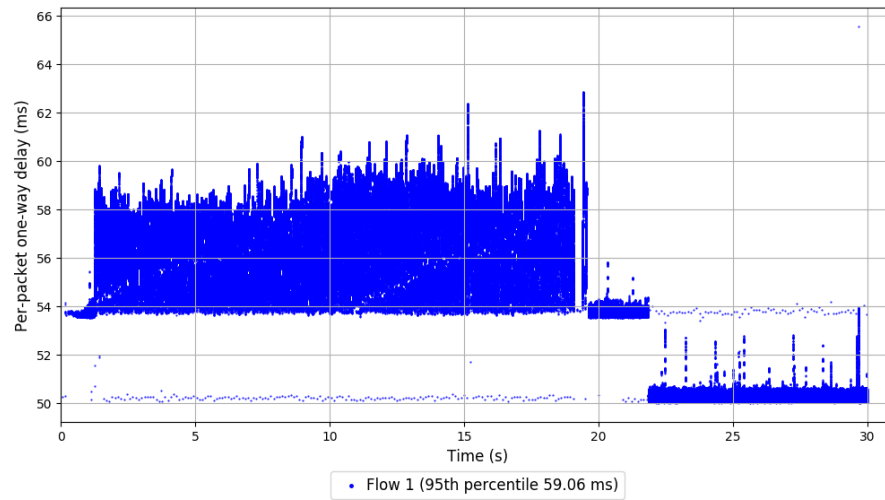
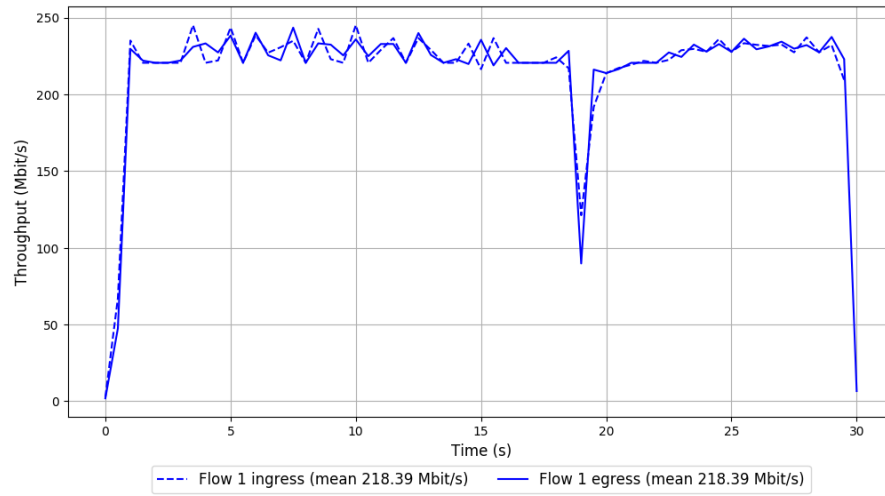
-- Flow 1:

Average throughput: 218.39 Mbit/s

95th percentile per-packet one-way delay: 59.065 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-04-03 11:26:21

End at: 2018-04-03 11:26:51

Below is generated by plot.py at 2018-04-03 14:08:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.54 Mbit/s

95th percentile per-packet one-way delay: 58.017 ms

Loss rate: 0.00%

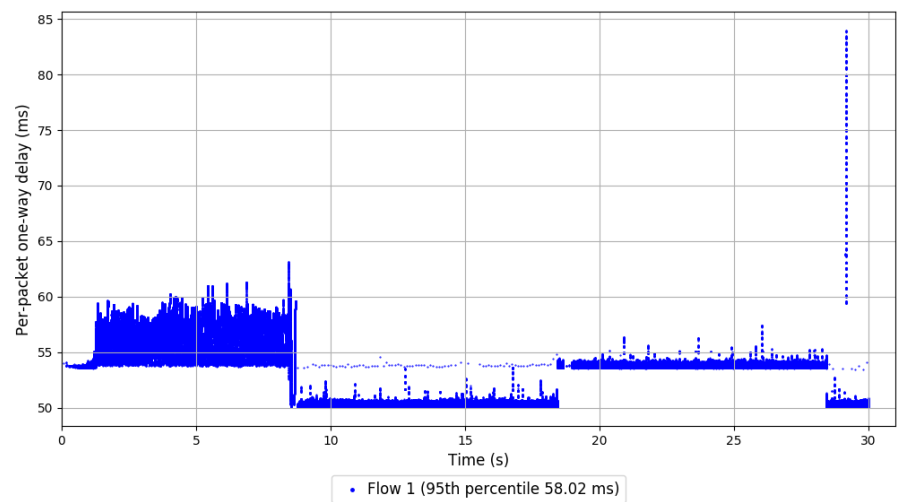
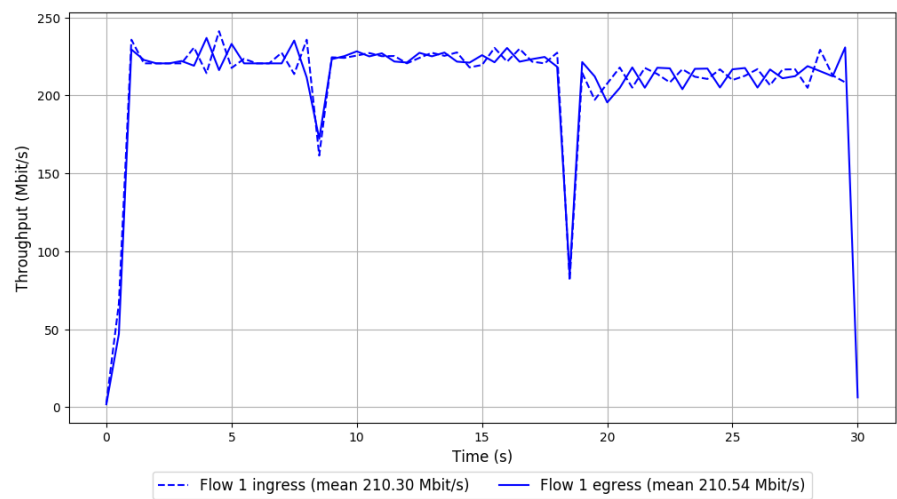
-- Flow 1:

Average throughput: 210.54 Mbit/s

95th percentile per-packet one-way delay: 58.017 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-04-03 11:41:00

End at: 2018-04-03 11:41:30

Below is generated by plot.py at 2018-04-03 14:12:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.54 Mbit/s

95th percentile per-packet one-way delay: 55.491 ms

Loss rate: 0.00%

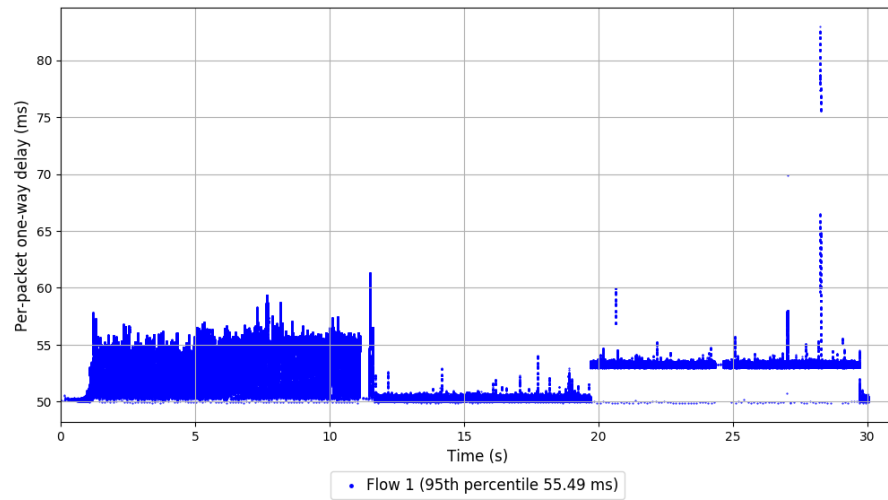
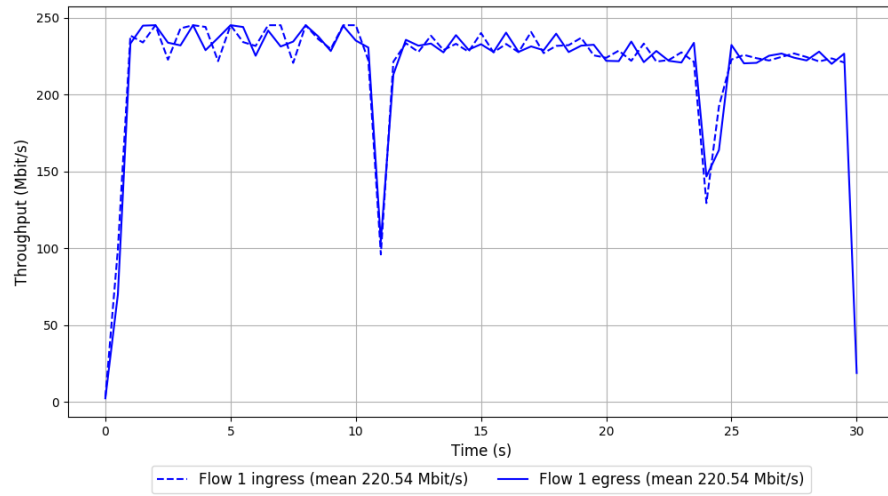
-- Flow 1:

Average throughput: 220.54 Mbit/s

95th percentile per-packet one-way delay: 55.491 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-04-03 11:55:34

End at: 2018-04-03 11:56:04

Below is generated by plot.py at 2018-04-03 14:12:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.68 Mbit/s

95th percentile per-packet one-way delay: 50.636 ms

Loss rate: 0.00%

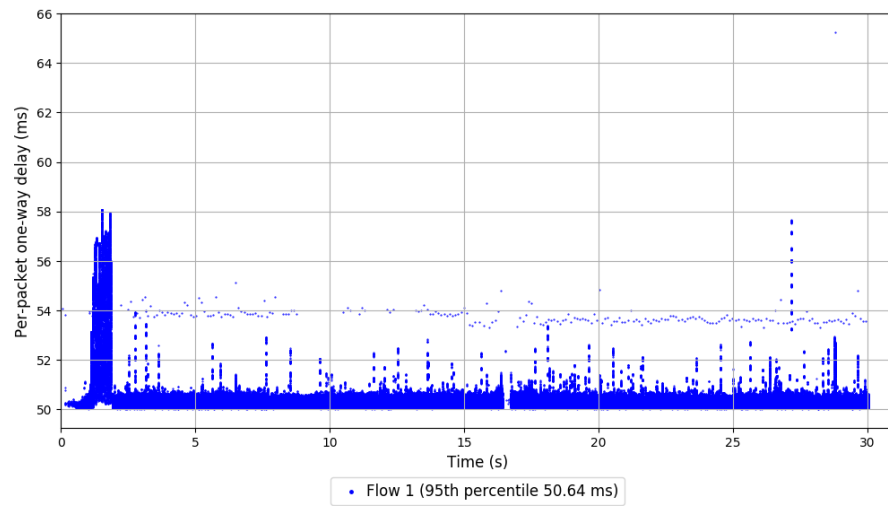
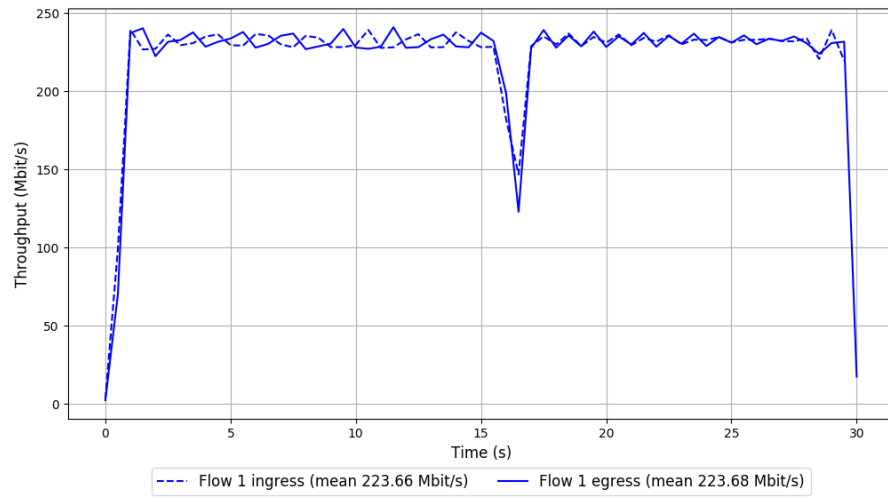
-- Flow 1:

Average throughput: 223.68 Mbit/s

95th percentile per-packet one-way delay: 50.636 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-04-03 09:44:02

End at: 2018-04-03 09:44:32

Below is generated by plot.py at 2018-04-03 14:12:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.42 Mbit/s

95th percentile per-packet one-way delay: 59.871 ms

Loss rate: 0.00%

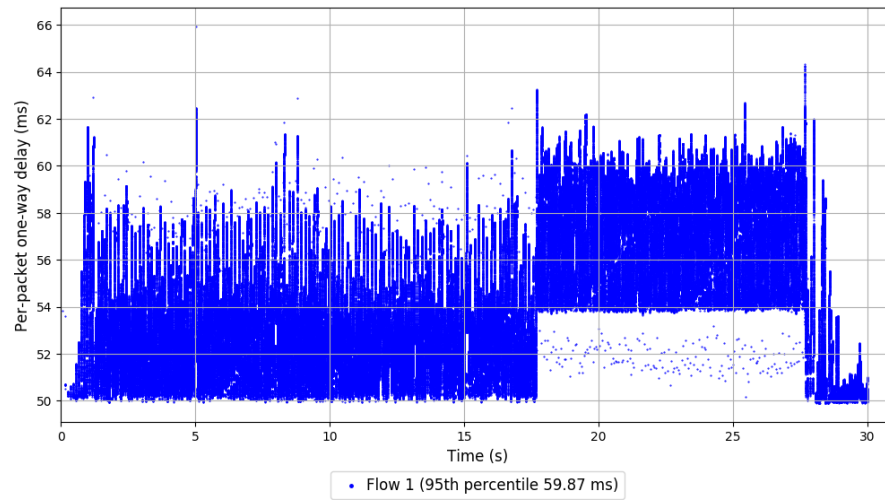
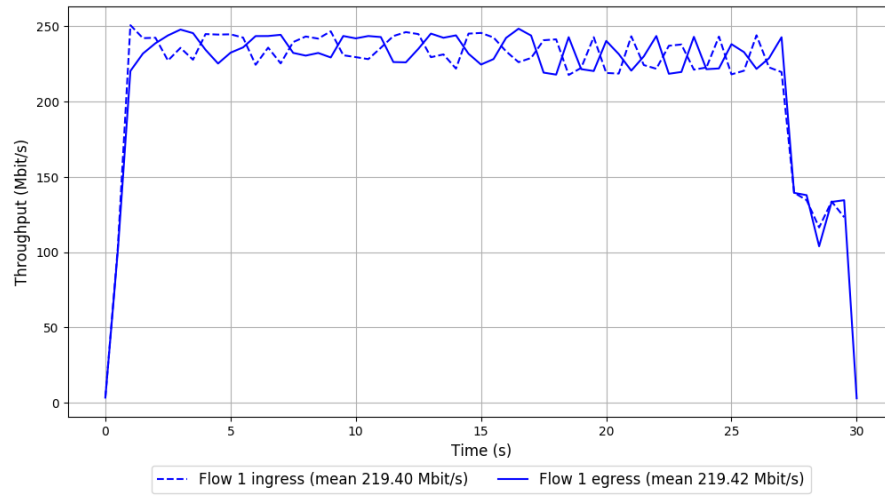
-- Flow 1:

Average throughput: 219.42 Mbit/s

95th percentile per-packet one-way delay: 59.871 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-04-03 09:58:41

End at: 2018-04-03 09:59:11

Below is generated by plot.py at 2018-04-03 14:12:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 174.91 Mbit/s

95th percentile per-packet one-way delay: 56.112 ms

Loss rate: 0.00%

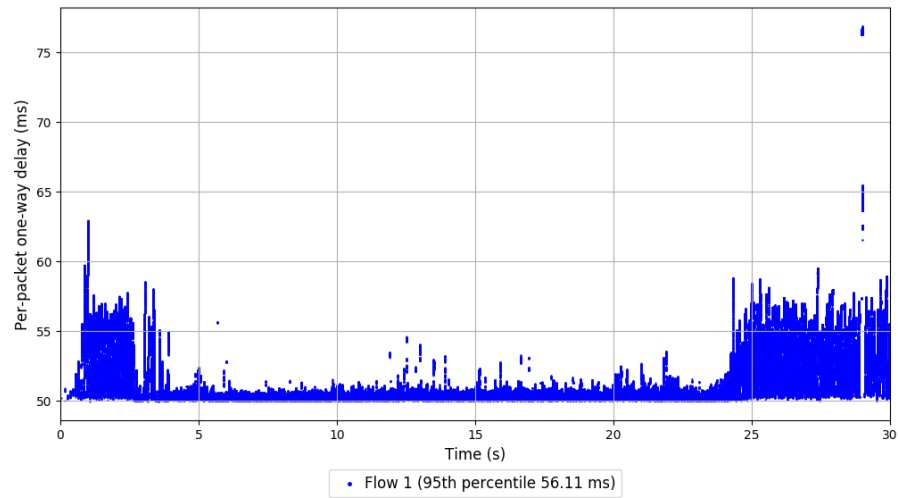
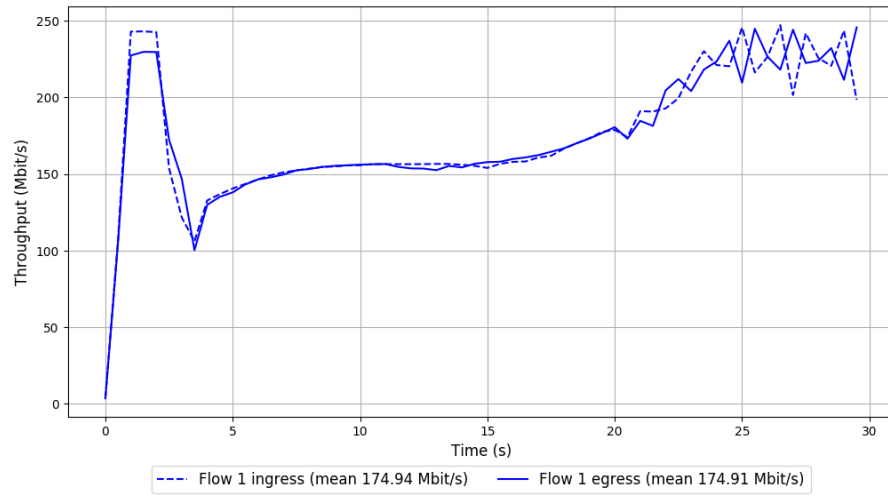
-- Flow 1:

Average throughput: 174.91 Mbit/s

95th percentile per-packet one-way delay: 56.112 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-04-03 10:13:03

End at: 2018-04-03 10:13:33

Below is generated by plot.py at 2018-04-03 14:12:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.51 Mbit/s

95th percentile per-packet one-way delay: 57.014 ms

Loss rate: 0.00%

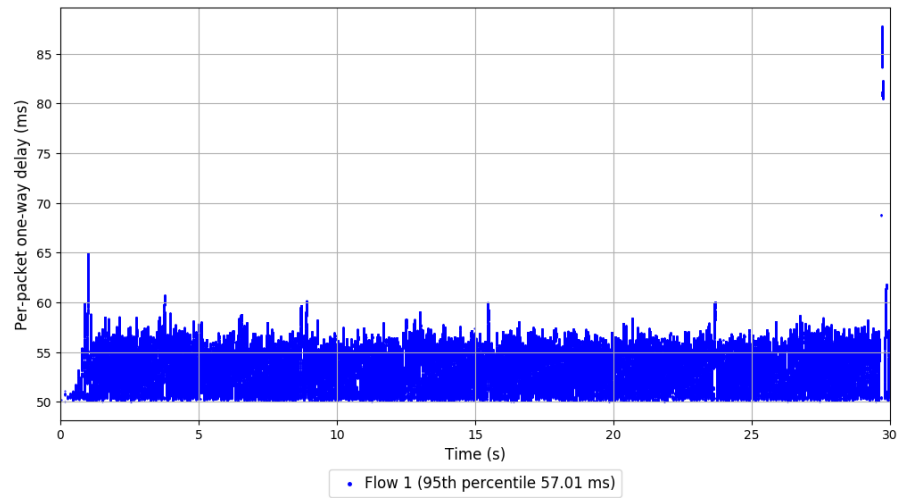
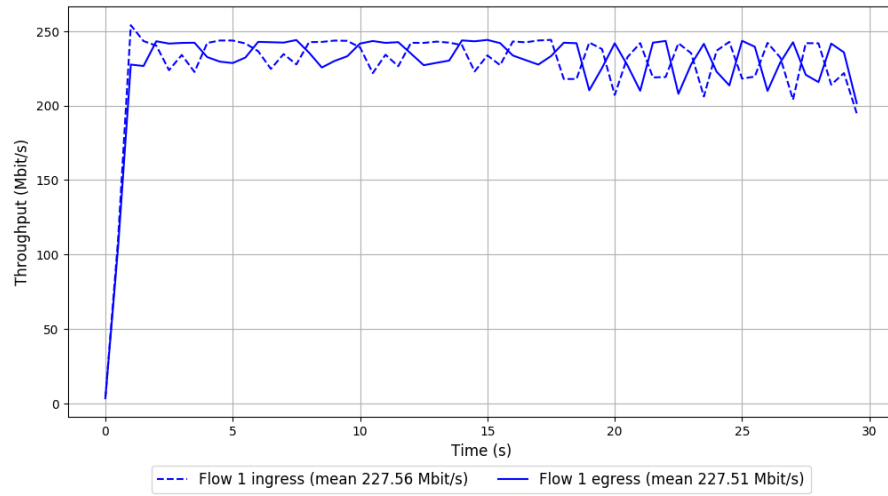
-- Flow 1:

Average throughput: 227.51 Mbit/s

95th percentile per-packet one-way delay: 57.014 ms

Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-04-03 10:27:23

End at: 2018-04-03 10:27:53

Below is generated by plot.py at 2018-04-03 14:12:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.84 Mbit/s

95th percentile per-packet one-way delay: 56.938 ms

Loss rate: 0.00%

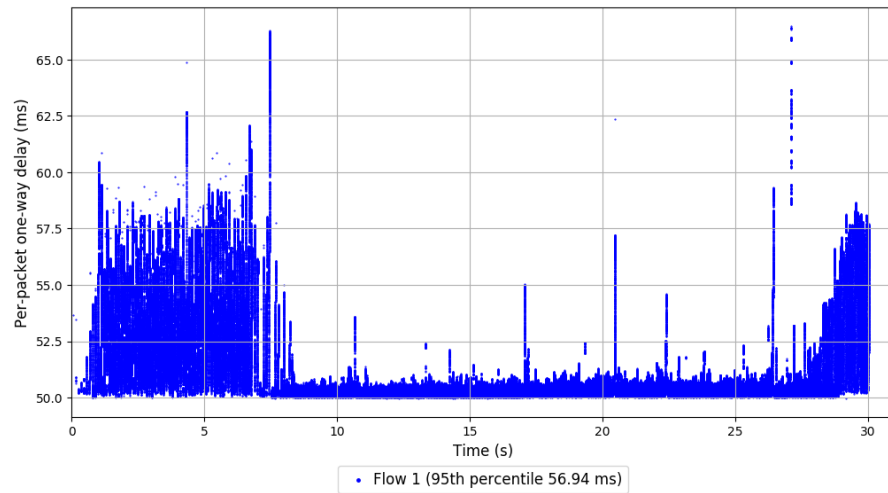
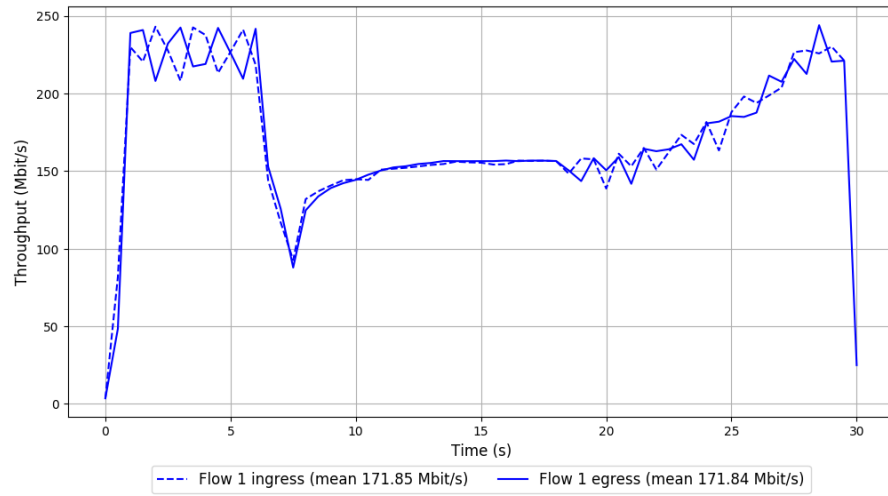
-- Flow 1:

Average throughput: 171.84 Mbit/s

95th percentile per-packet one-way delay: 56.938 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-04-03 10:41:43

End at: 2018-04-03 10:42:13

Below is generated by plot.py at 2018-04-03 14:12:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 163.52 Mbit/s

95th percentile per-packet one-way delay: 59.495 ms

Loss rate: 0.00%

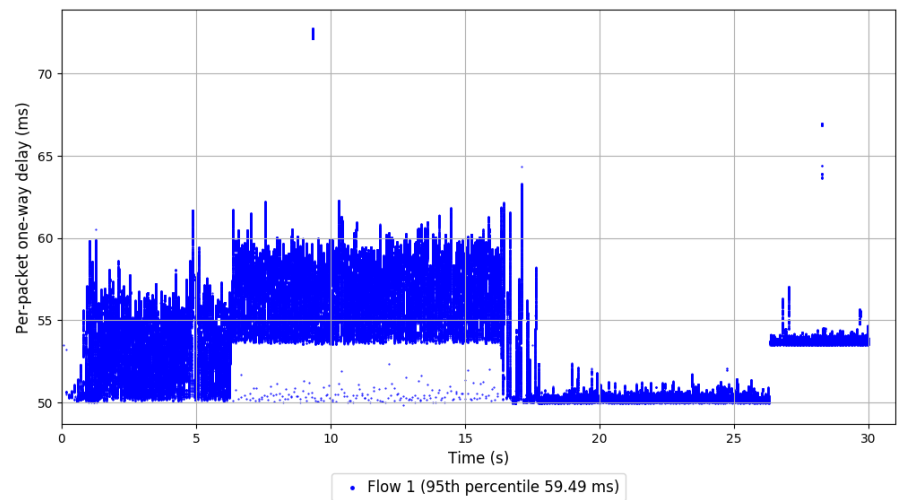
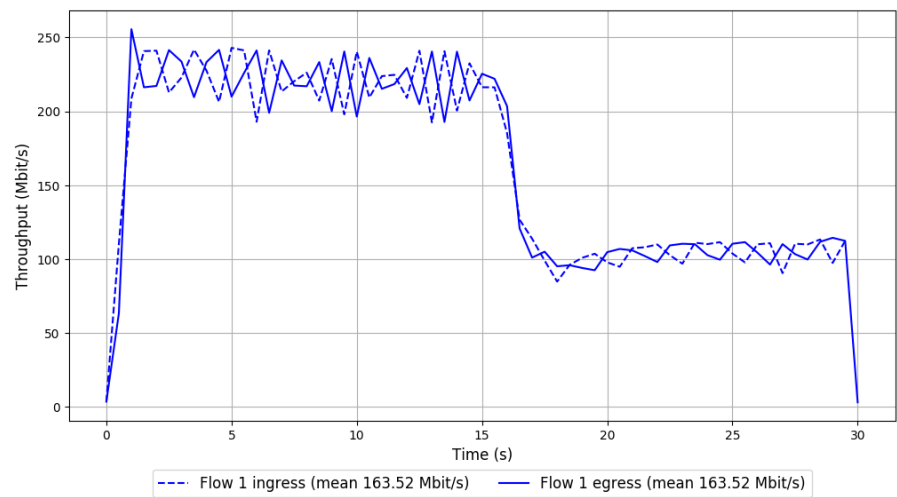
-- Flow 1:

Average throughput: 163.52 Mbit/s

95th percentile per-packet one-way delay: 59.495 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-04-03 10:55:55

End at: 2018-04-03 10:56:25

Below is generated by plot.py at 2018-04-03 14:12:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 170.62 Mbit/s

95th percentile per-packet one-way delay: 60.801 ms

Loss rate: 0.00%

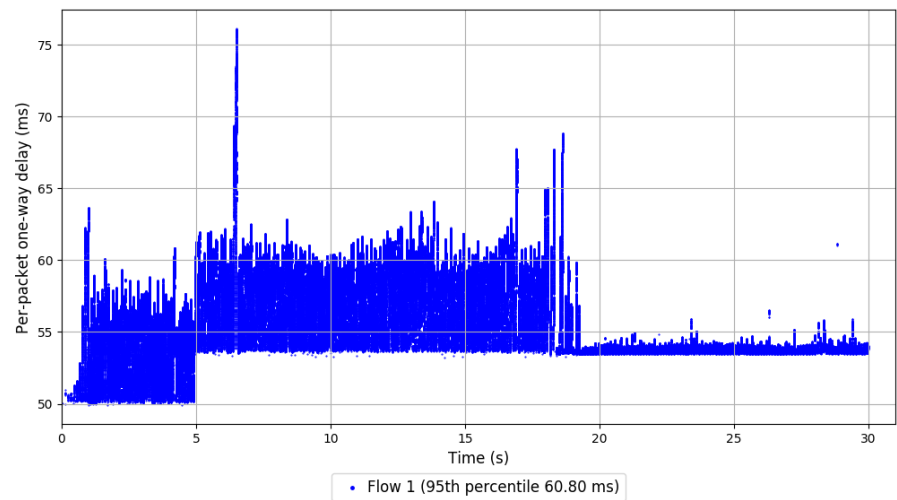
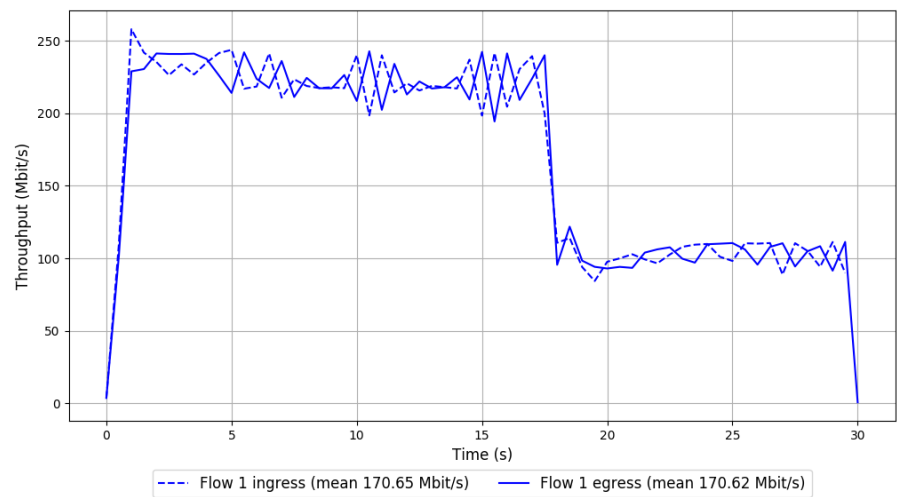
-- Flow 1:

Average throughput: 170.62 Mbit/s

95th percentile per-packet one-way delay: 60.801 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-04-03 11:10:18

End at: 2018-04-03 11:10:48

Below is generated by plot.py at 2018-04-03 14:15:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 169.82 Mbit/s

95th percentile per-packet one-way delay: 57.456 ms

Loss rate: 0.00%

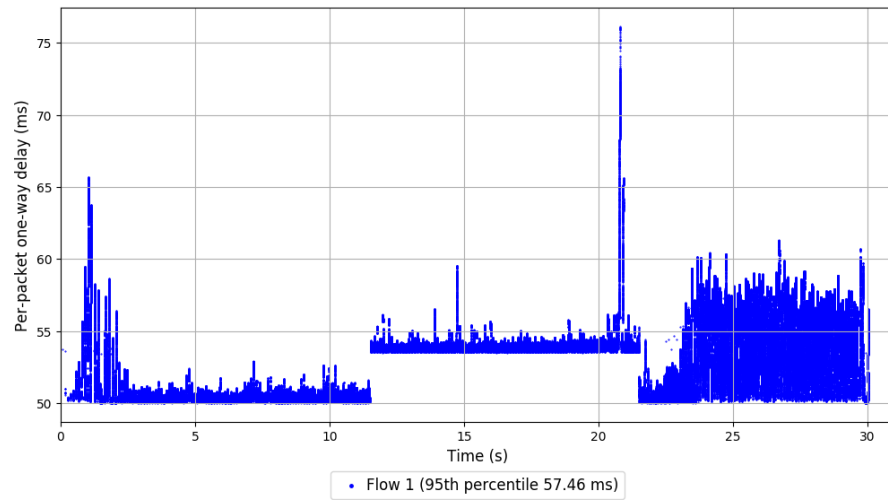
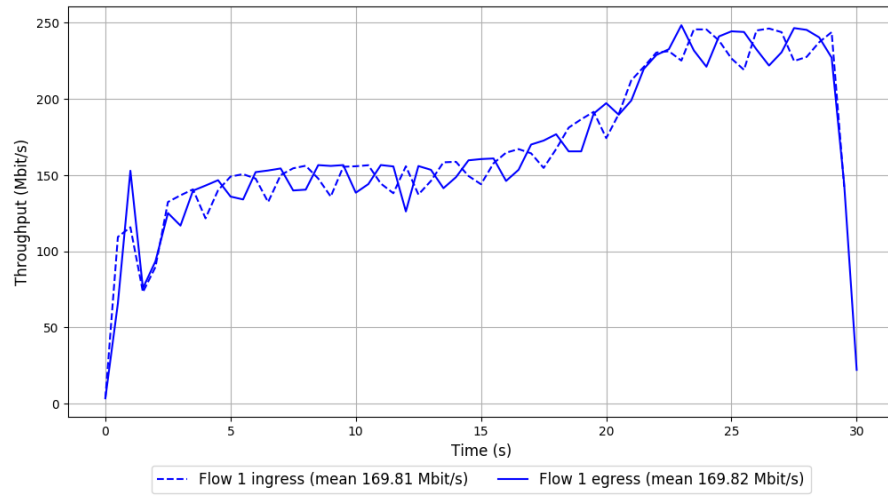
-- Flow 1:

Average throughput: 169.82 Mbit/s

95th percentile per-packet one-way delay: 57.456 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-04-03 11:24:34

End at: 2018-04-03 11:25:04

Below is generated by plot.py at 2018-04-03 14:15:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 140.33 Mbit/s

95th percentile per-packet one-way delay: 57.063 ms

Loss rate: 0.00%

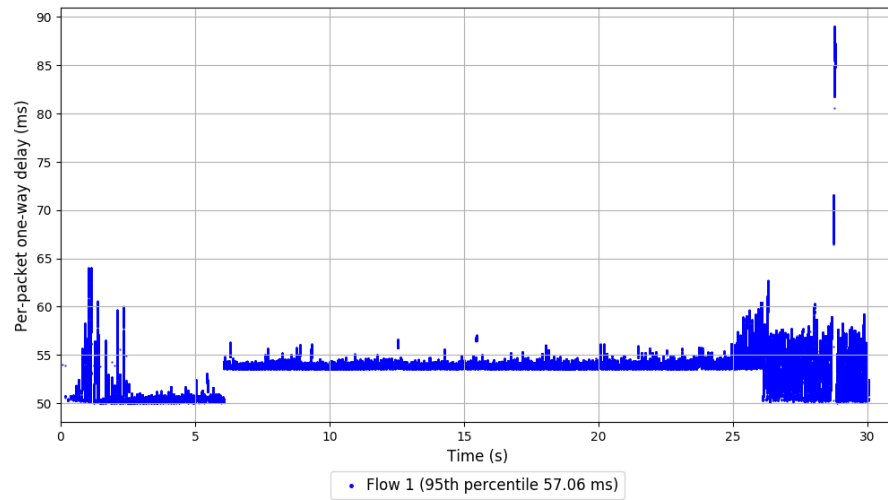
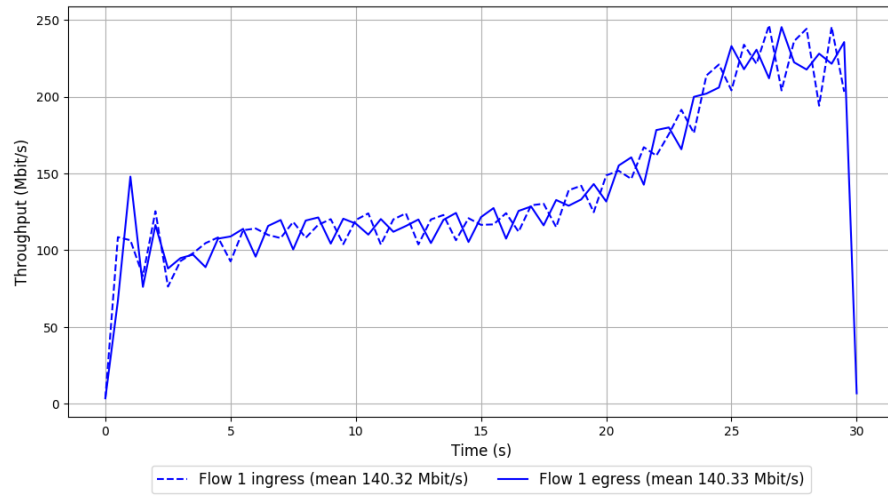
-- Flow 1:

Average throughput: 140.33 Mbit/s

95th percentile per-packet one-way delay: 57.063 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-04-03 11:39:11

End at: 2018-04-03 11:39:41

Below is generated by plot.py at 2018-04-03 14:15:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.44 Mbit/s

95th percentile per-packet one-way delay: 59.626 ms

Loss rate: 0.00%

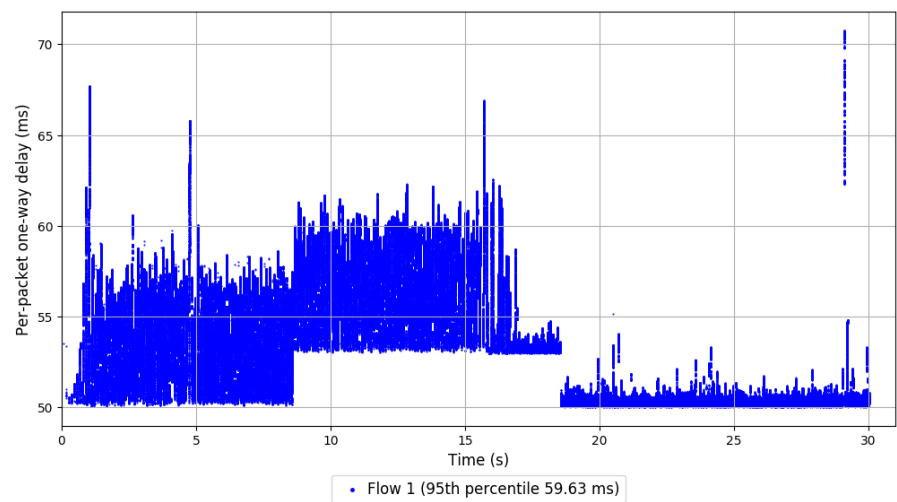
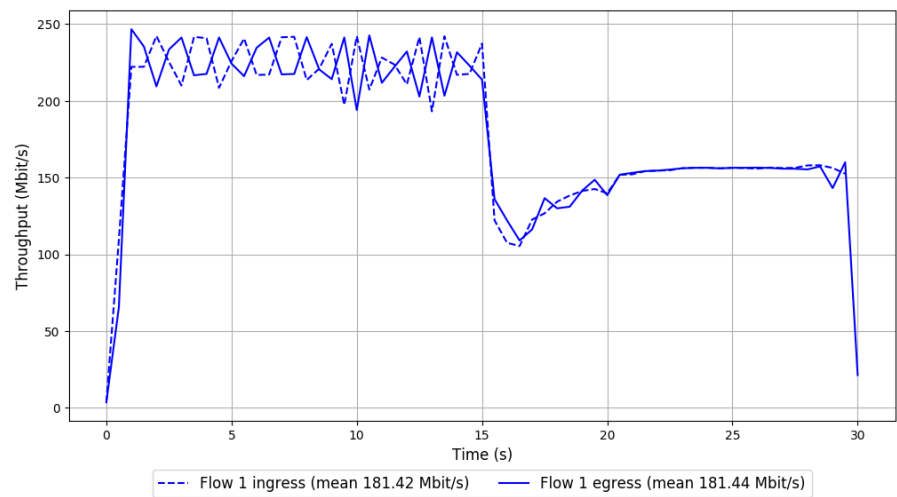
-- Flow 1:

Average throughput: 181.44 Mbit/s

95th percentile per-packet one-way delay: 59.626 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-04-03 11:53:45

End at: 2018-04-03 11:54:15

Below is generated by plot.py at 2018-04-03 14:15:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 165.20 Mbit/s

95th percentile per-packet one-way delay: 56.165 ms

Loss rate: 0.00%

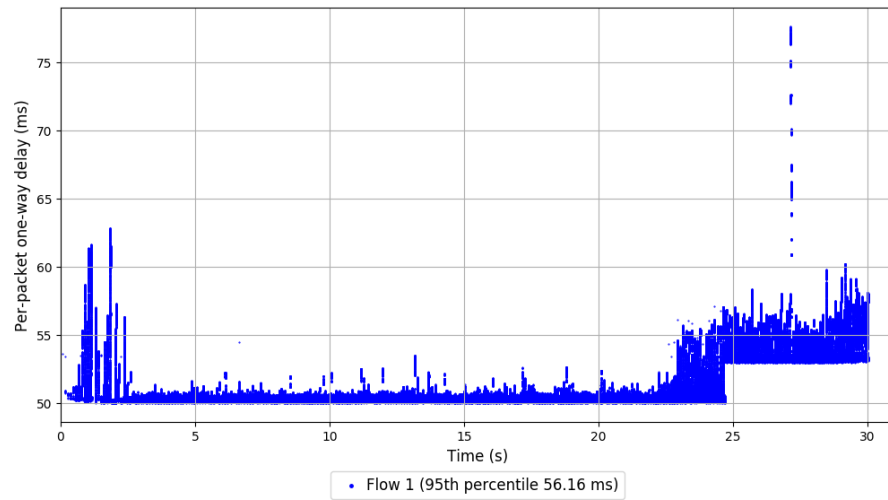
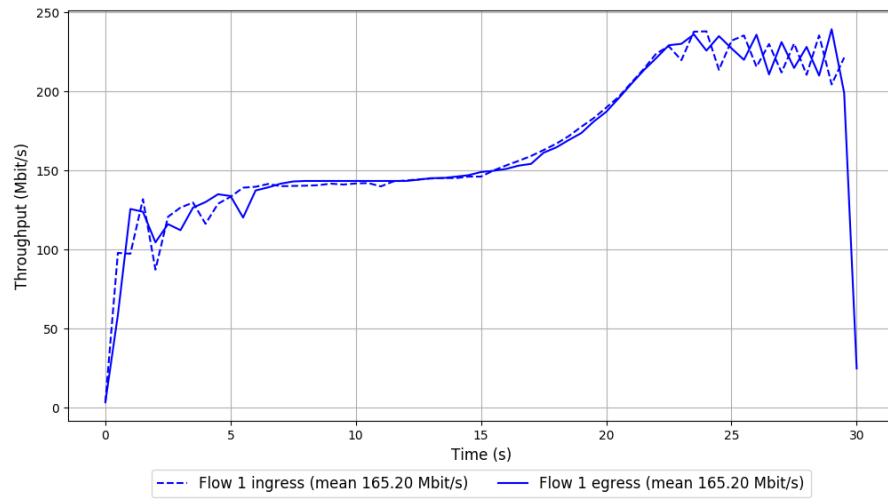
-- Flow 1:

Average throughput: 165.20 Mbit/s

95th percentile per-packet one-way delay: 56.165 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

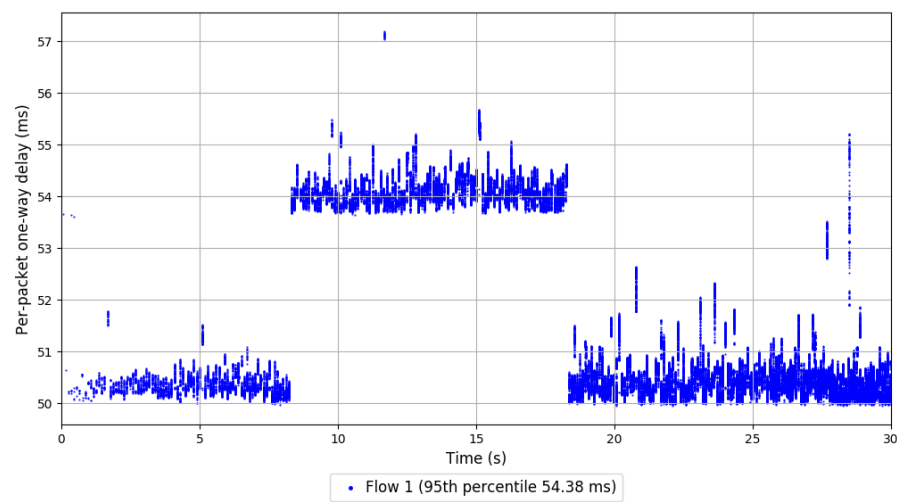
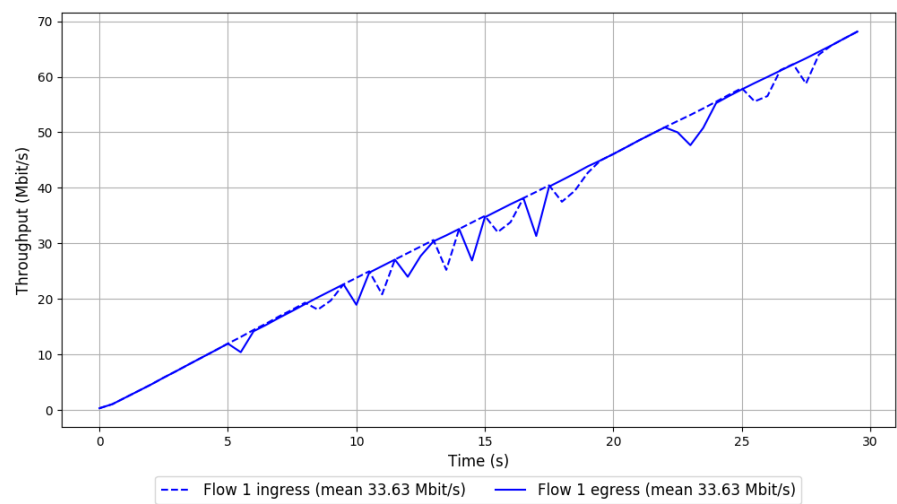


```
Run 1: Statistics of LEDBAT

Start at: 2018-04-03 09:54:21
End at: 2018-04-03 09:54:51

# Below is generated by plot.py at 2018-04-03 14:15:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.63 Mbit/s
95th percentile per-packet one-way delay: 54.379 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 33.63 Mbit/s
95th percentile per-packet one-way delay: 54.379 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

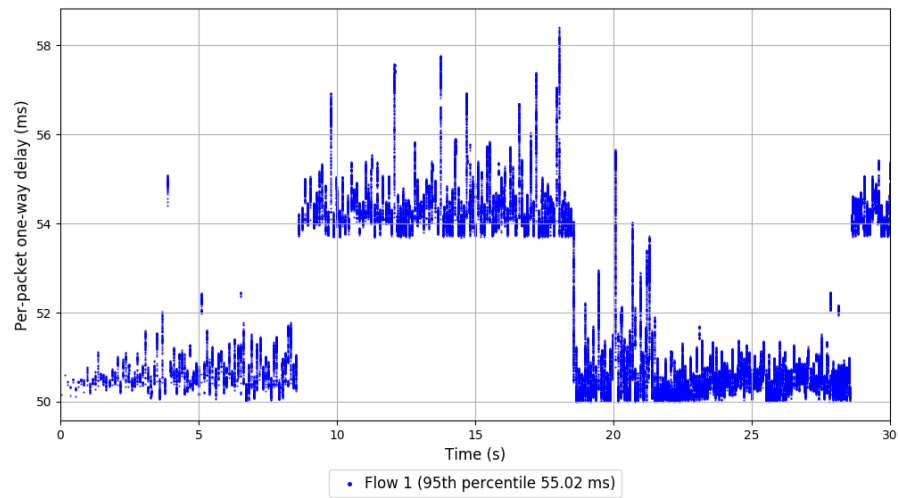
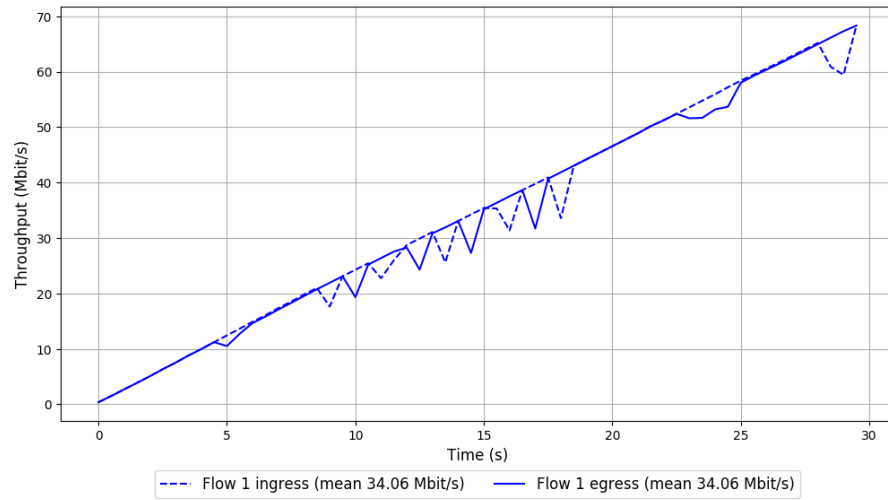


```
Run 2: Statistics of LEDBAT

Start at: 2018-04-03 10:08:41
End at: 2018-04-03 10:09:11

# Below is generated by plot.py at 2018-04-03 14:15:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.06 Mbit/s
95th percentile per-packet one-way delay: 55.024 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.06 Mbit/s
95th percentile per-packet one-way delay: 55.024 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-04-03 10:23:03

End at: 2018-04-03 10:23:33

Below is generated by plot.py at 2018-04-03 14:15:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.48 Mbit/s

95th percentile per-packet one-way delay: 55.069 ms

Loss rate: 0.00%

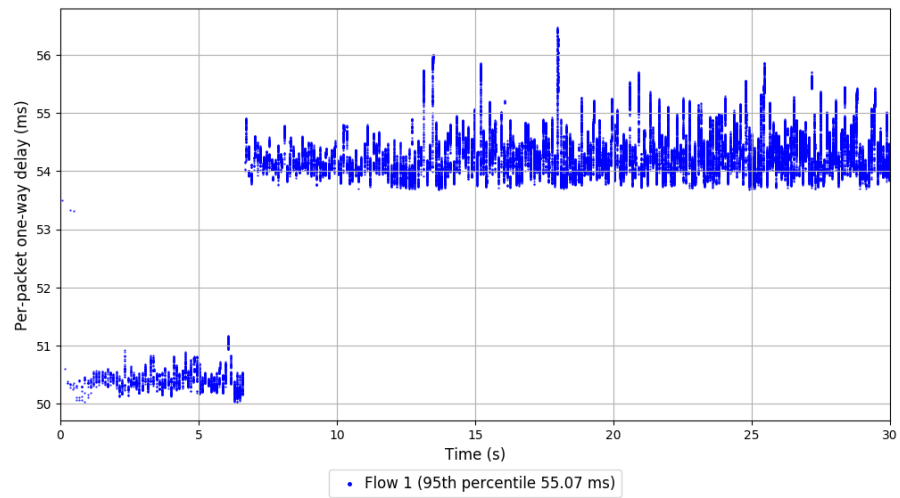
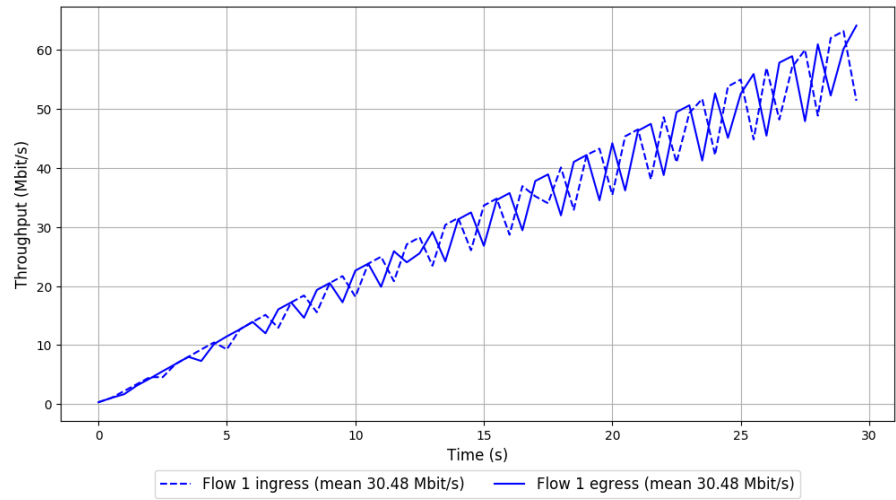
-- Flow 1:

Average throughput: 30.48 Mbit/s

95th percentile per-packet one-way delay: 55.069 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-04-03 10:37:24

End at: 2018-04-03 10:37:54

Below is generated by plot.py at 2018-04-03 14:15:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.24 Mbit/s

95th percentile per-packet one-way delay: 54.537 ms

Loss rate: 0.00%

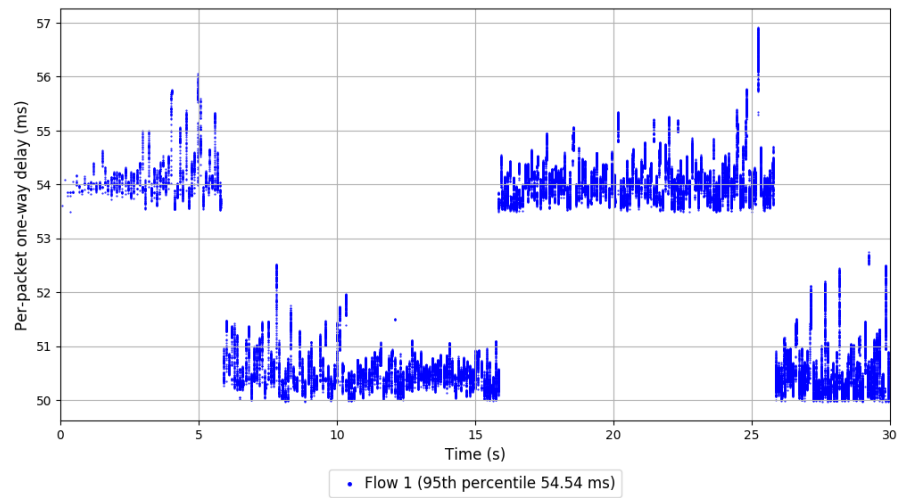
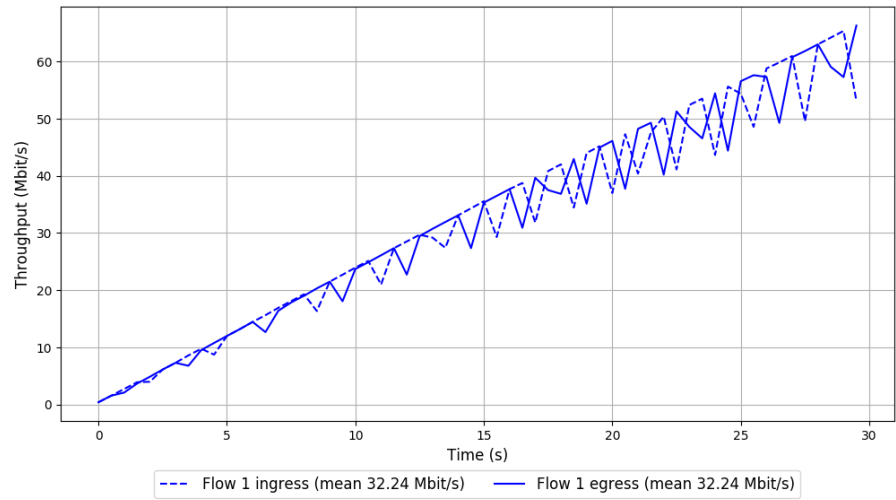
-- Flow 1:

Average throughput: 32.24 Mbit/s

95th percentile per-packet one-way delay: 54.537 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-04-03 10:51:36

End at: 2018-04-03 10:52:06

Below is generated by plot.py at 2018-04-03 14:15:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.42 Mbit/s

95th percentile per-packet one-way delay: 54.766 ms

Loss rate: 0.00%

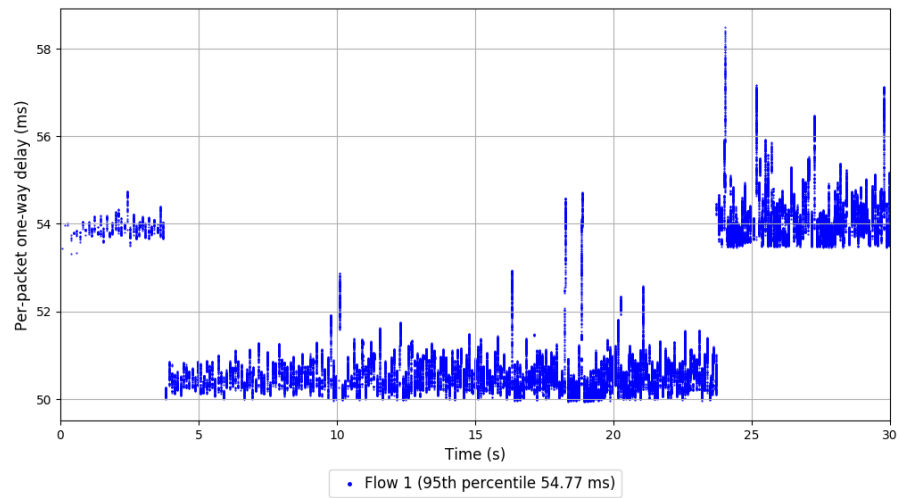
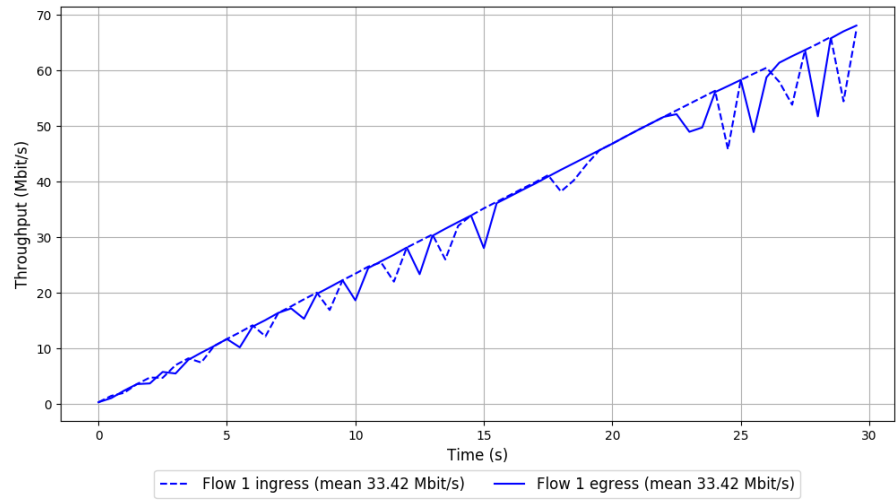
-- Flow 1:

Average throughput: 33.42 Mbit/s

95th percentile per-packet one-way delay: 54.766 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-04-03 11:05:55

End at: 2018-04-03 11:06:25

Below is generated by plot.py at 2018-04-03 14:15:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.77 Mbit/s

95th percentile per-packet one-way delay: 51.592 ms

Loss rate: 0.00%

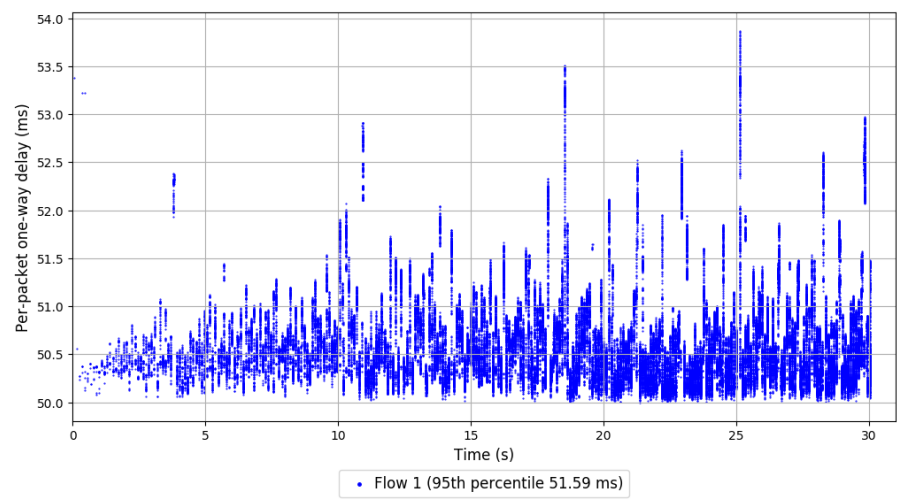
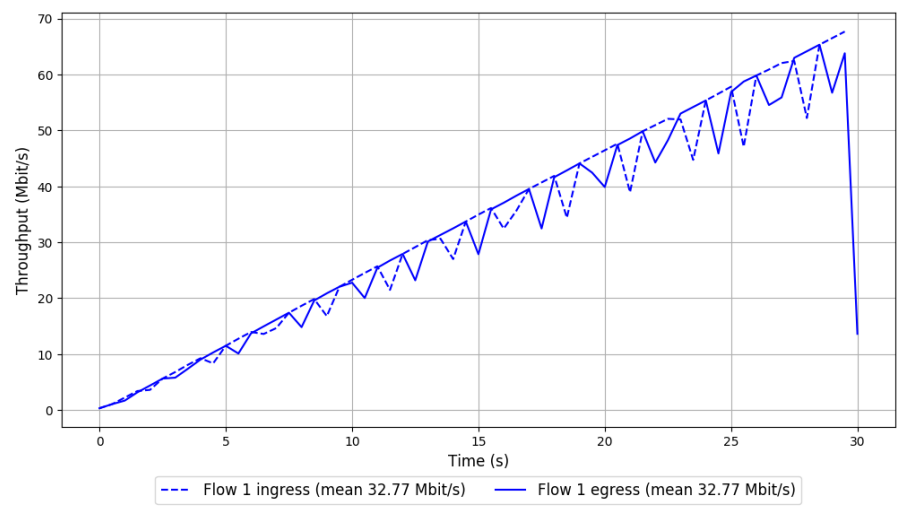
-- Flow 1:

Average throughput: 32.77 Mbit/s

95th percentile per-packet one-way delay: 51.592 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-04-03 11:20:15

End at: 2018-04-03 11:20:45

Below is generated by plot.py at 2018-04-03 14:15:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.69 Mbit/s

95th percentile per-packet one-way delay: 54.494 ms

Loss rate: 0.00%

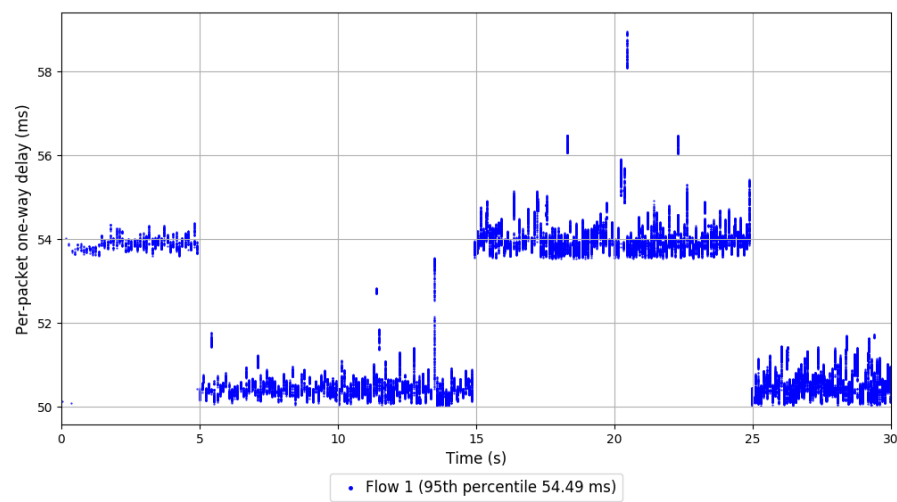
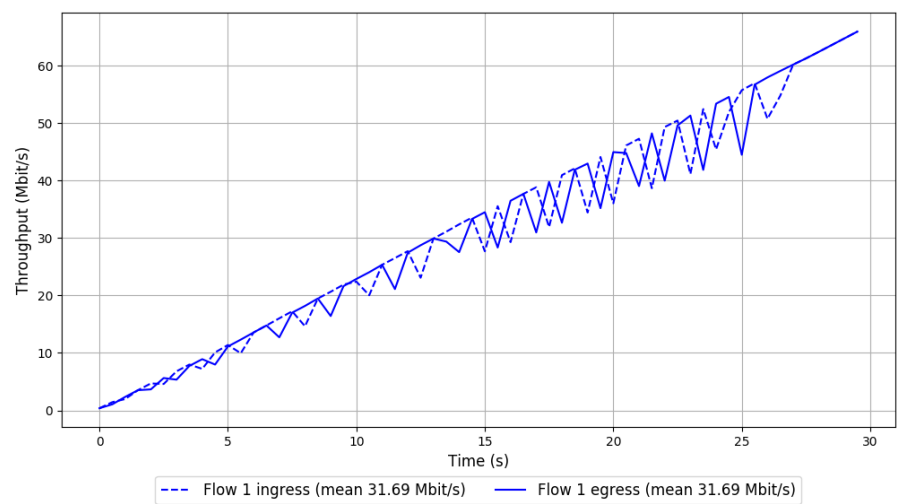
-- Flow 1:

Average throughput: 31.69 Mbit/s

95th percentile per-packet one-way delay: 54.494 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-04-03 11:34:53

End at: 2018-04-03 11:35:23

Below is generated by plot.py at 2018-04-03 14:15:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.69 Mbit/s

95th percentile per-packet one-way delay: 54.981 ms

Loss rate: 0.00%

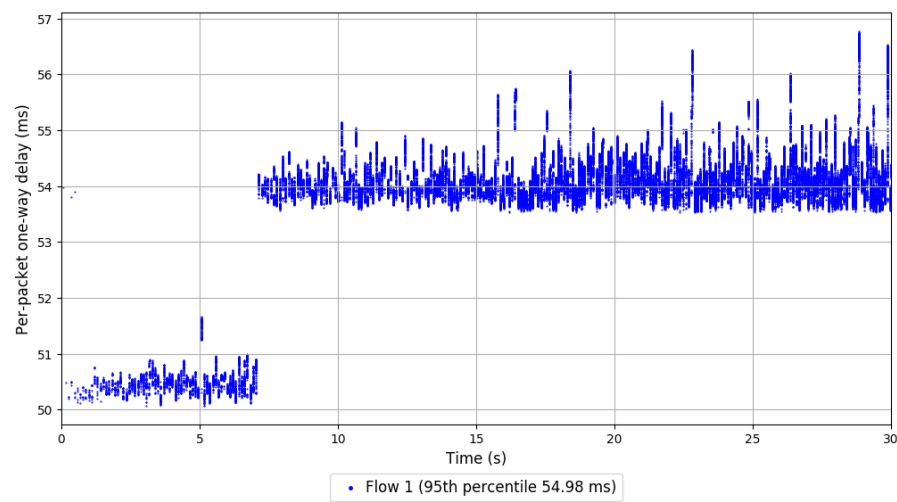
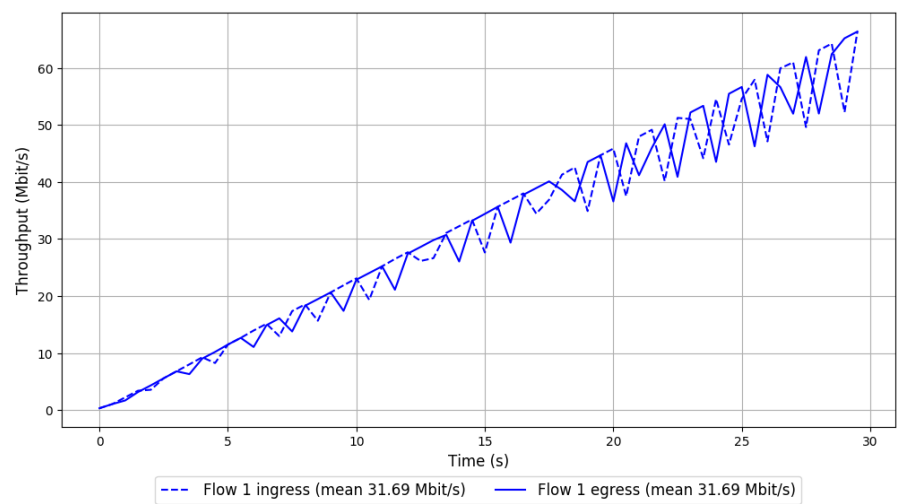
-- Flow 1:

Average throughput: 31.69 Mbit/s

95th percentile per-packet one-way delay: 54.981 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-04-03 11:49:24

End at: 2018-04-03 11:49:54

Below is generated by plot.py at 2018-04-03 14:15:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.39 Mbit/s

95th percentile per-packet one-way delay: 53.950 ms

Loss rate: 0.00%

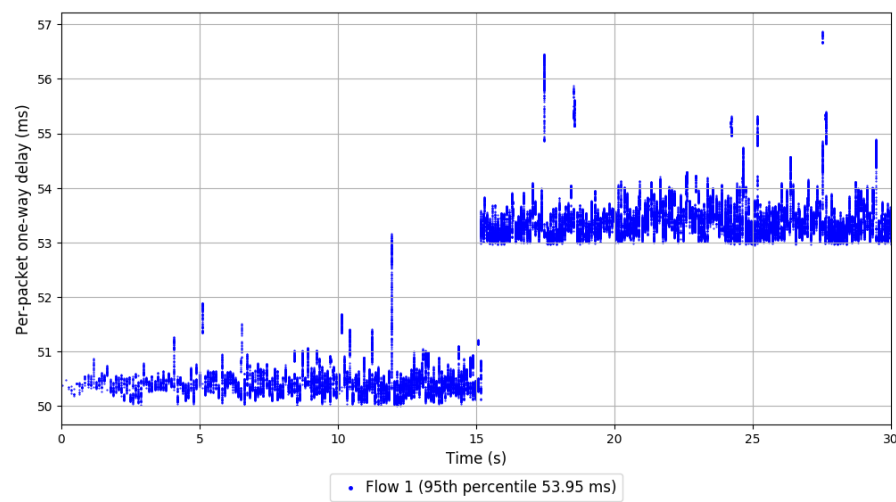
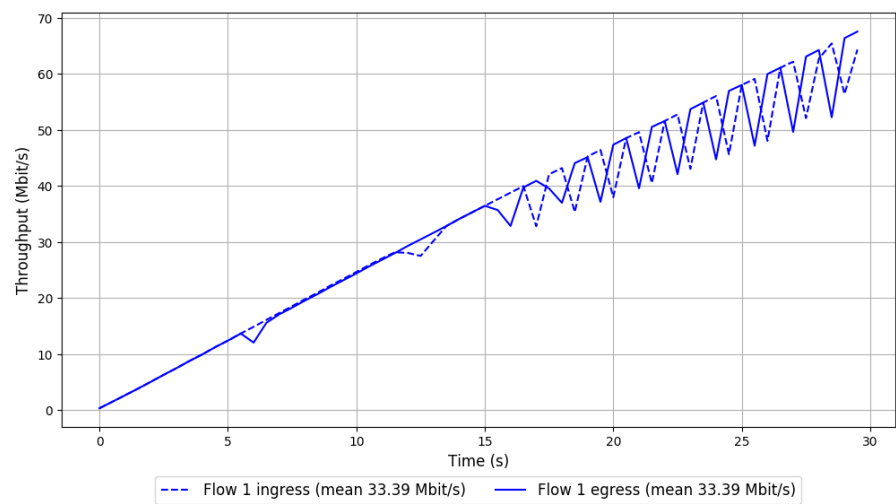
-- Flow 1:

Average throughput: 33.39 Mbit/s

95th percentile per-packet one-way delay: 53.950 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-04-03 12:03:54

End at: 2018-04-03 12:04:24

Below is generated by plot.py at 2018-04-03 14:15:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.65 Mbit/s

95th percentile per-packet one-way delay: 53.907 ms

Loss rate: 0.00%

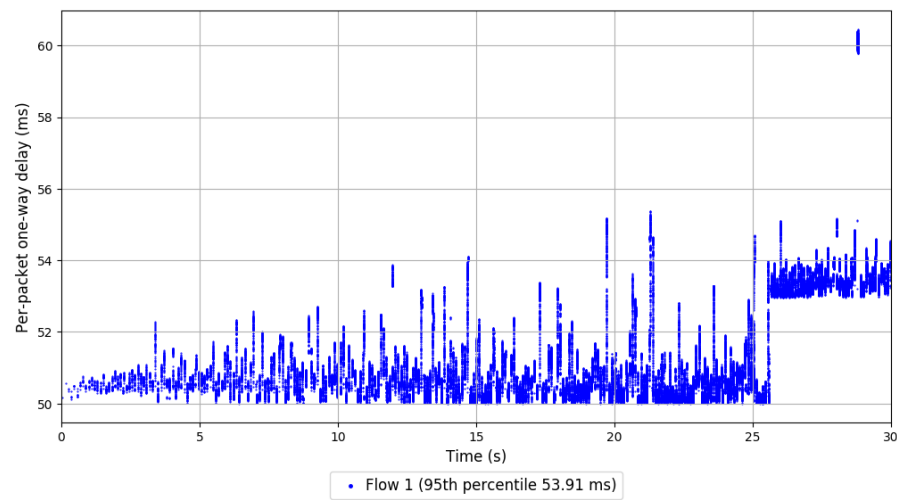
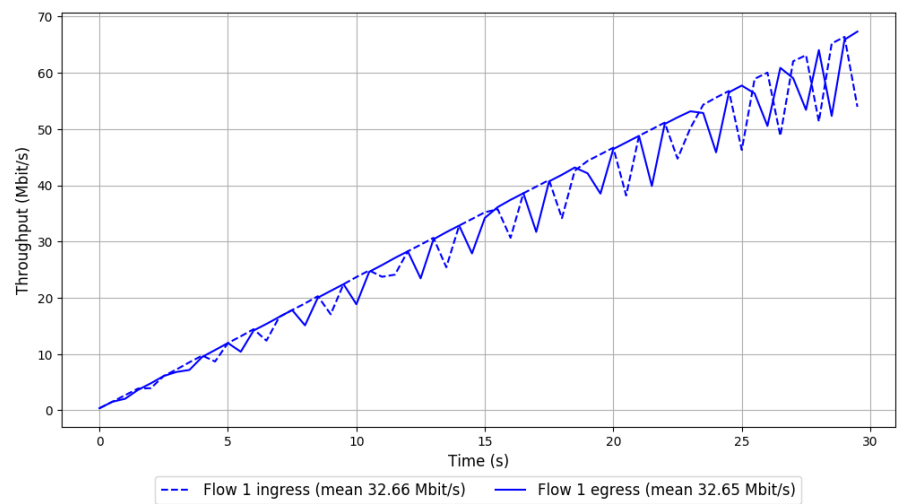
-- Flow 1:

Average throughput: 32.65 Mbit/s

95th percentile per-packet one-way delay: 53.907 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

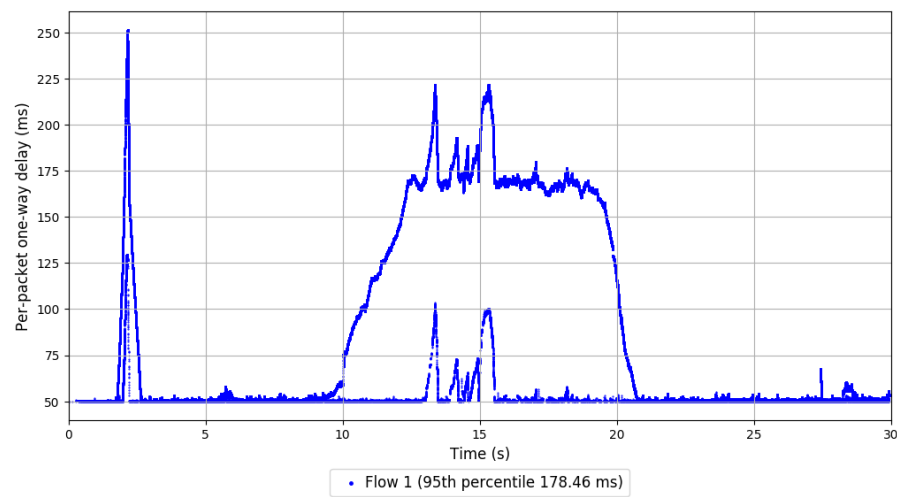
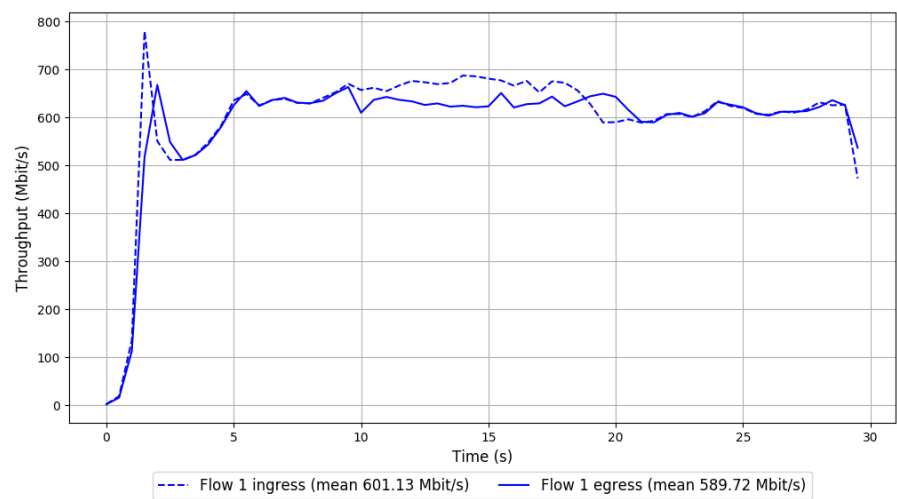


```
Run 1: Statistics of PCC

Start at: 2018-04-03 09:55:37
End at: 2018-04-03 09:56:07

# Below is generated by plot.py at 2018-04-03 14:26:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 589.72 Mbit/s
95th percentile per-packet one-way delay: 178.462 ms
Loss rate: 1.89%
-- Flow 1:
Average throughput: 589.72 Mbit/s
95th percentile per-packet one-way delay: 178.462 ms
Loss rate: 1.89%
```

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-04-03 10:09:57

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

Below is generated by plot.py at 2018-04-03 14:26:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 557.82 Mbit/s

95th percentile per-packet one-way delay: 117.879 ms

Loss rate: 0.15%

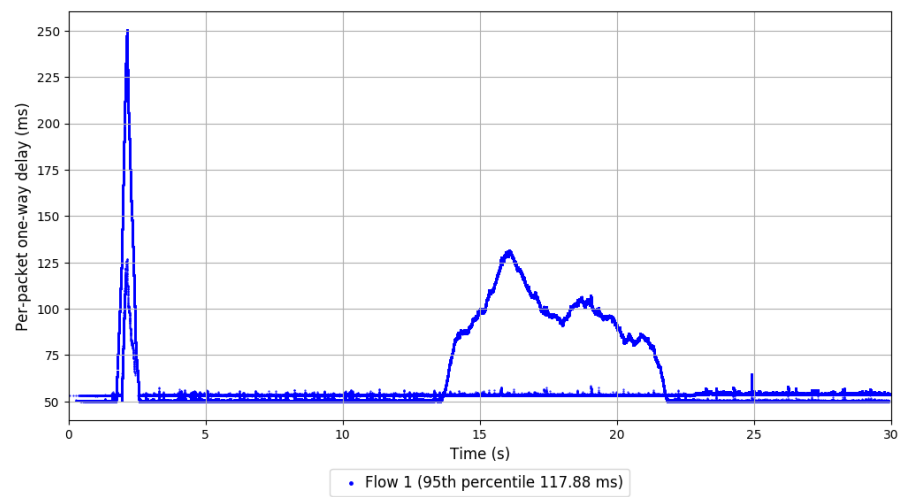
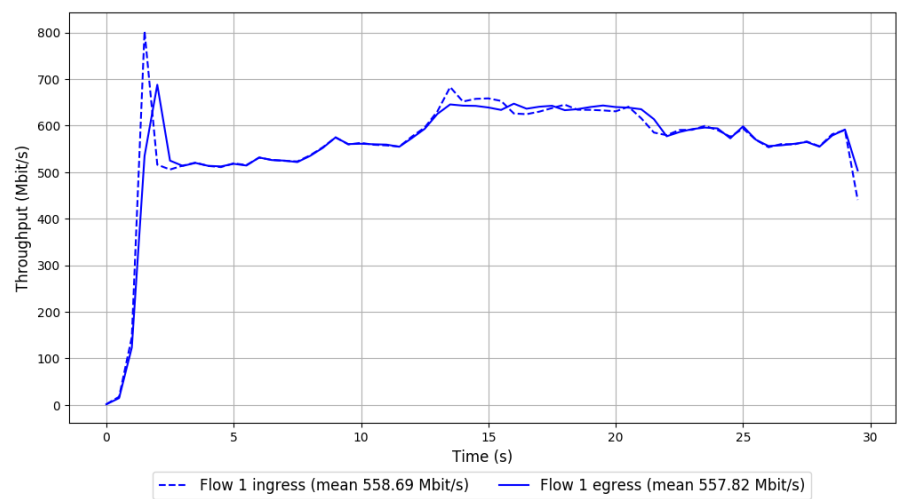
-- Flow 1:

Average throughput: 557.82 Mbit/s

95th percentile per-packet one-way delay: 117.879 ms

Loss rate: 0.15%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-04-03 10:24:18

End at: 2018-04-03 10:24:48

Below is generated by plot.py at 2018-04-03 14:26:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 566.89 Mbit/s

95th percentile per-packet one-way delay: 164.183 ms

Loss rate: 0.36%

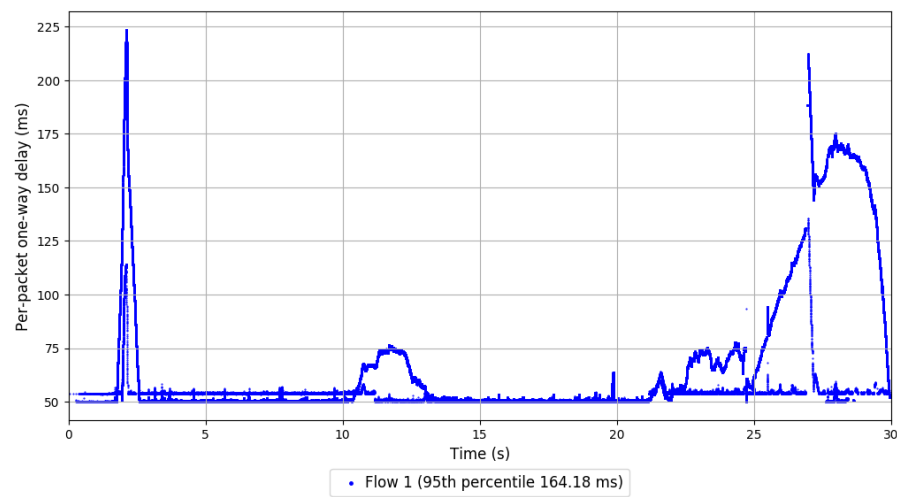
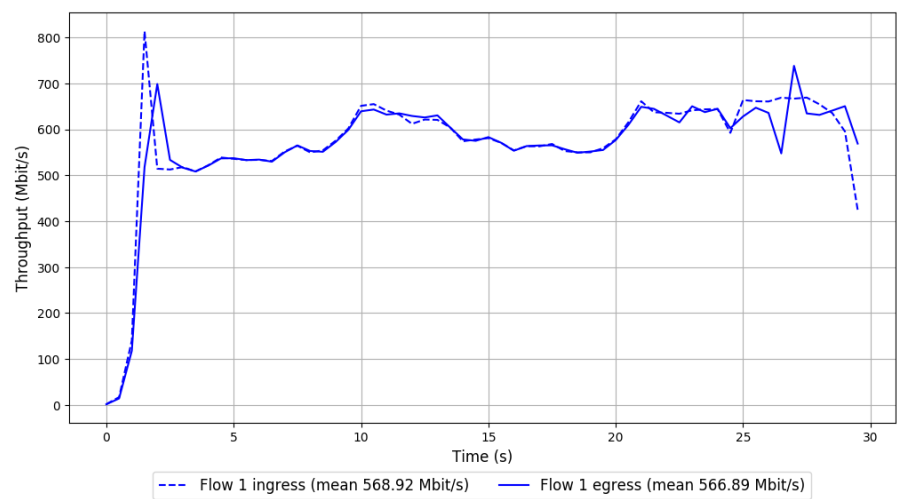
-- Flow 1:

Average throughput: 566.89 Mbit/s

95th percentile per-packet one-way delay: 164.183 ms

Loss rate: 0.36%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-04-03 10:38:39

End at: 2018-04-03 10:39:09

Below is generated by plot.py at 2018-04-03 14:26:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 574.97 Mbit/s

95th percentile per-packet one-way delay: 84.233 ms

Loss rate: 0.16%

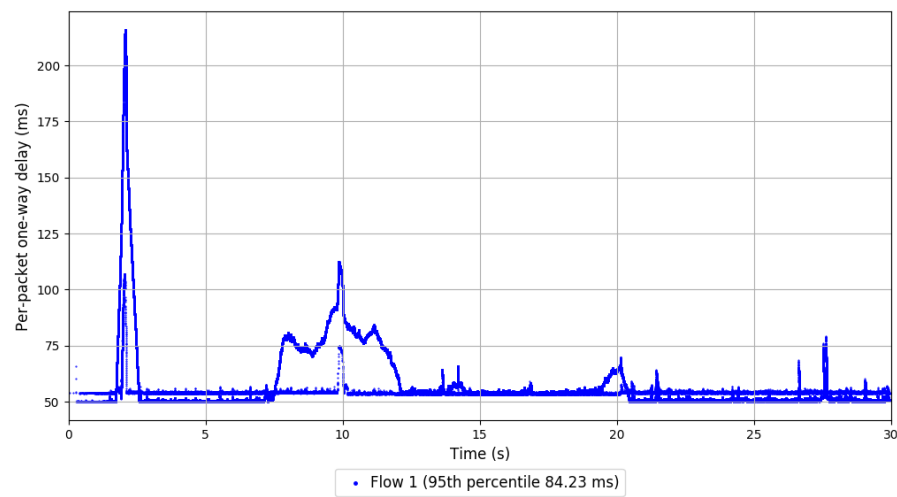
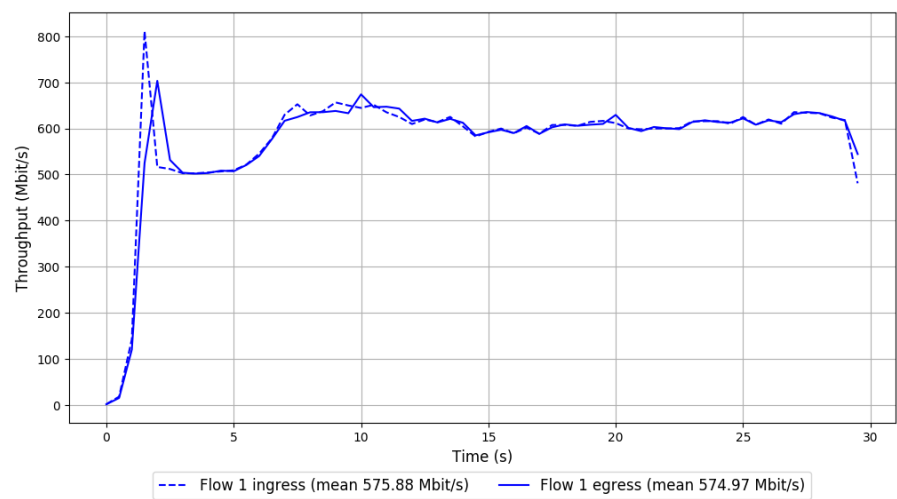
-- Flow 1:

Average throughput: 574.97 Mbit/s

95th percentile per-packet one-way delay: 84.233 ms

Loss rate: 0.16%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-04-03 10:52:51

End at: 2018-04-03 10:53:21

Below is generated by plot.py at 2018-04-03 14:26:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 554.49 Mbit/s

95th percentile per-packet one-way delay: 74.439 ms

Loss rate: 0.24%

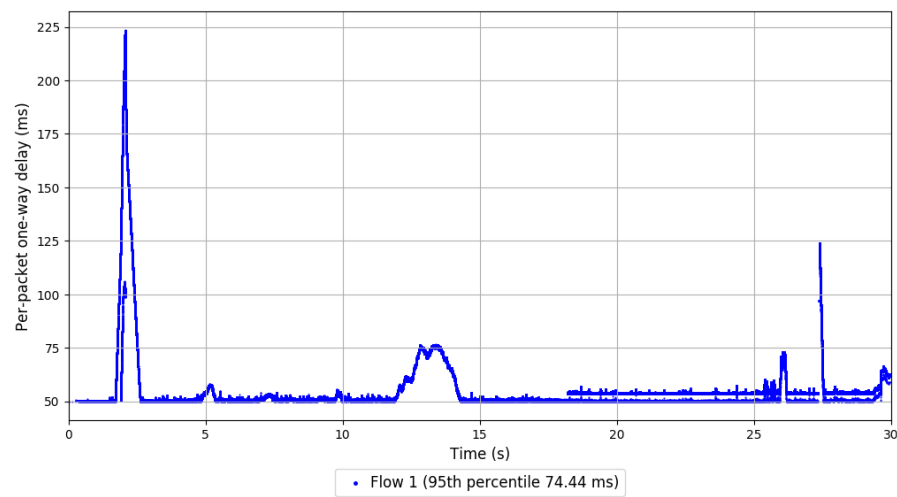
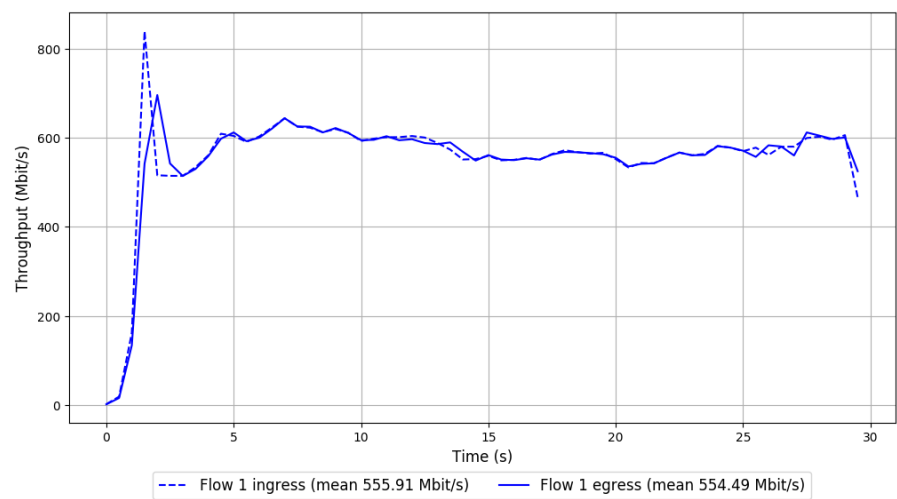
-- Flow 1:

Average throughput: 554.49 Mbit/s

95th percentile per-packet one-way delay: 74.439 ms

Loss rate: 0.24%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-04-03 11:07:11

End at: 2018-04-03 11:07:41

Below is generated by plot.py at 2018-04-03 14:27:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 568.01 Mbit/s

95th percentile per-packet one-way delay: 71.957 ms

Loss rate: 0.23%

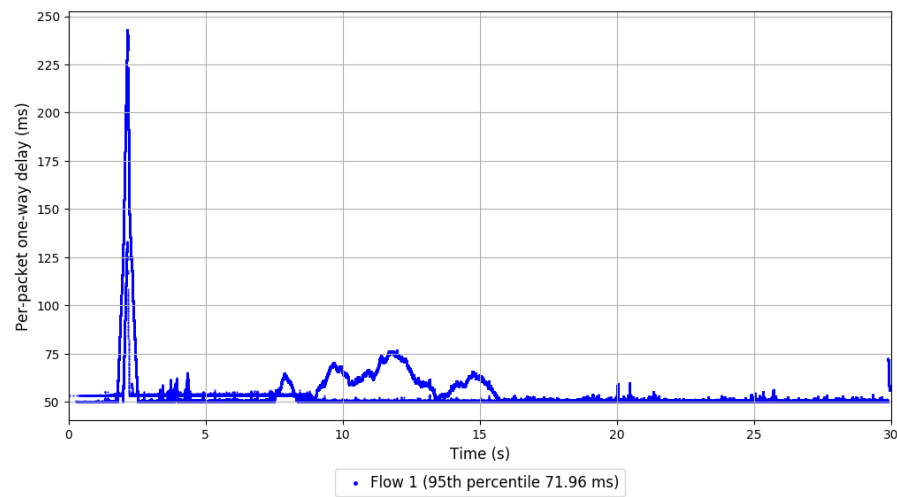
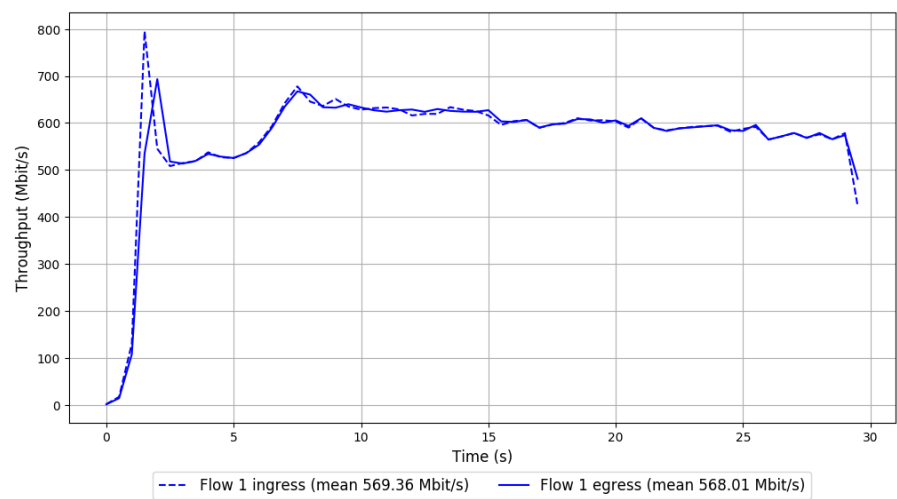
-- Flow 1:

Average throughput: 568.01 Mbit/s

95th percentile per-packet one-way delay: 71.957 ms

Loss rate: 0.23%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-04-03 11:21:30

End at: 2018-04-03 11:22:00

Below is generated by plot.py at 2018-04-03 14:27:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 568.08 Mbit/s

95th percentile per-packet one-way delay: 71.273 ms

Loss rate: 0.15%

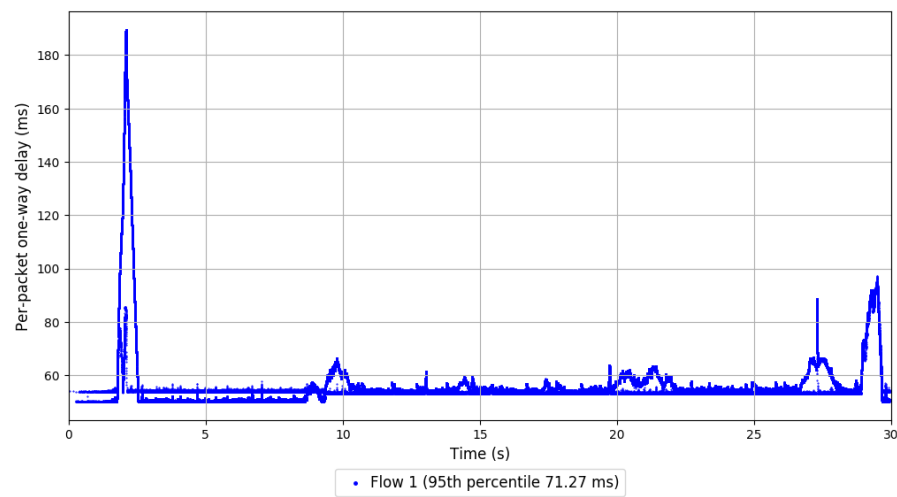
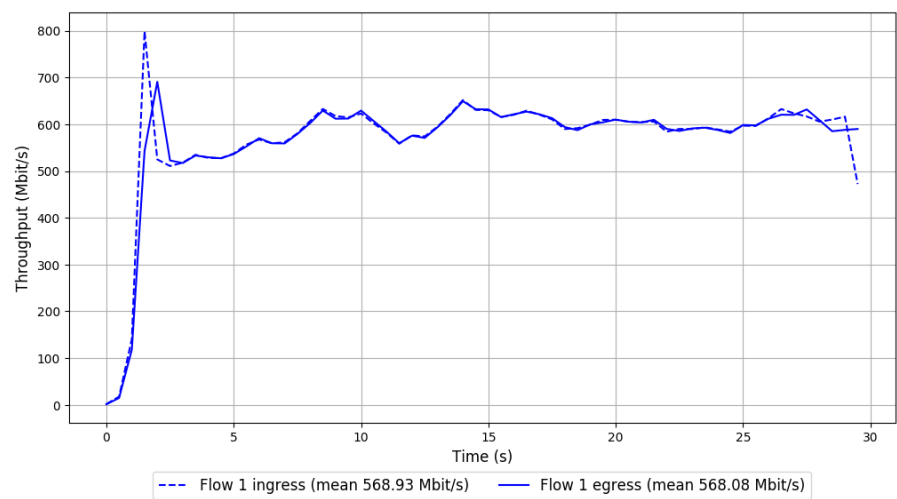
-- Flow 1:

Average throughput: 568.08 Mbit/s

95th percentile per-packet one-way delay: 71.273 ms

Loss rate: 0.15%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-04-03 11:36:08

End at: 2018-04-03 11:36:38

Below is generated by plot.py at 2018-04-03 14:27:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 547.28 Mbit/s

95th percentile per-packet one-way delay: 135.238 ms

Loss rate: 0.17%

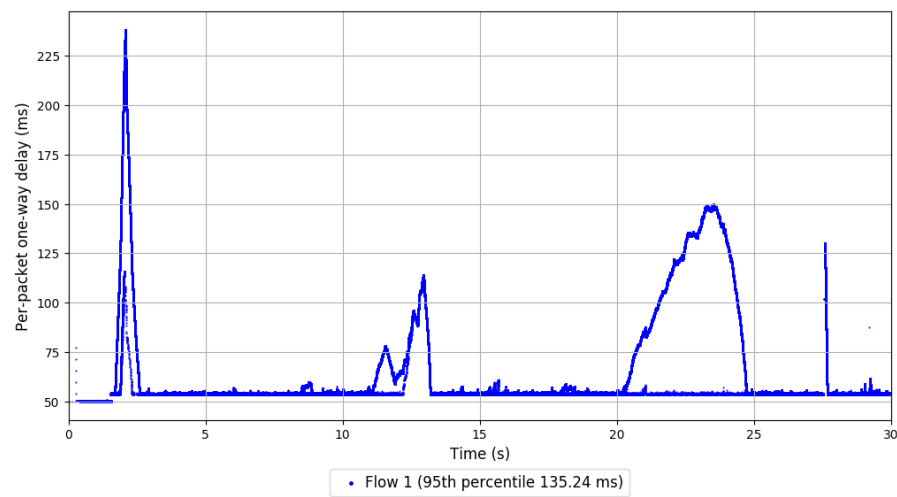
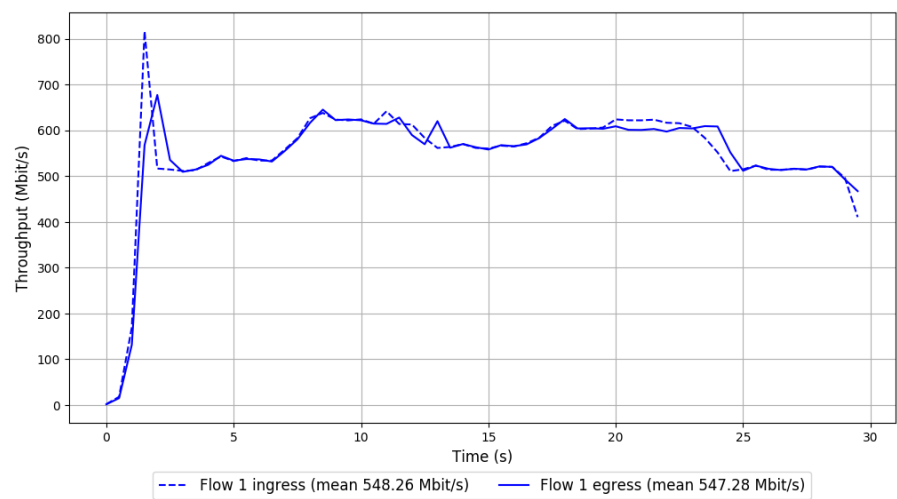
-- Flow 1:

Average throughput: 547.28 Mbit/s

95th percentile per-packet one-way delay: 135.238 ms

Loss rate: 0.17%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-04-03 11:50:40

End at: 2018-04-03 11:51:10

Below is generated by plot.py at 2018-04-03 14:38:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 566.47 Mbit/s

95th percentile per-packet one-way delay: 151.672 ms

Loss rate: 0.21%

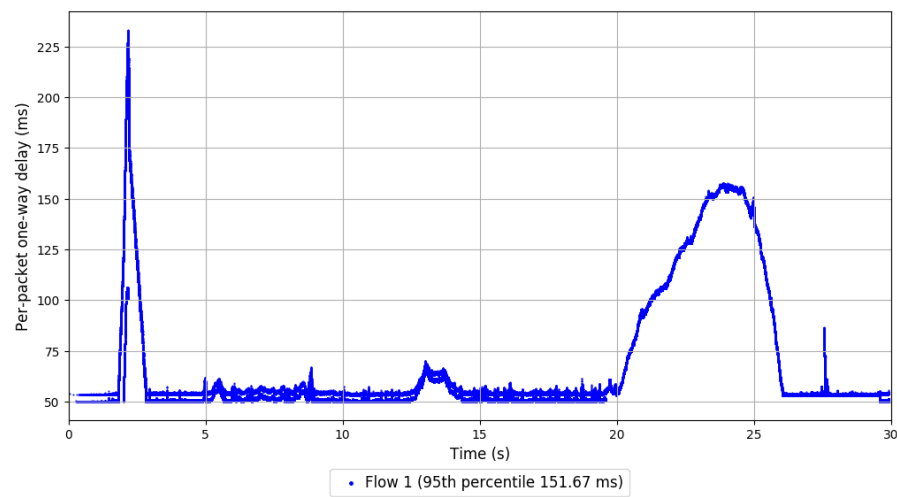
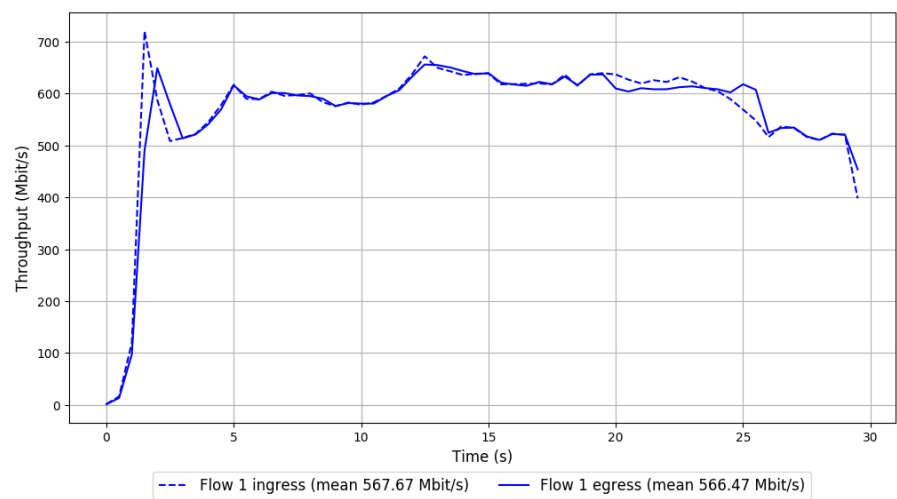
-- Flow 1:

Average throughput: 566.47 Mbit/s

95th percentile per-packet one-way delay: 151.672 ms

Loss rate: 0.21%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-04-03 12:05:09

End at: 2018-04-03 12:05:39

Below is generated by plot.py at 2018-04-03 14:39:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 564.72 Mbit/s

95th percentile per-packet one-way delay: 108.545 ms

Loss rate: 0.54%

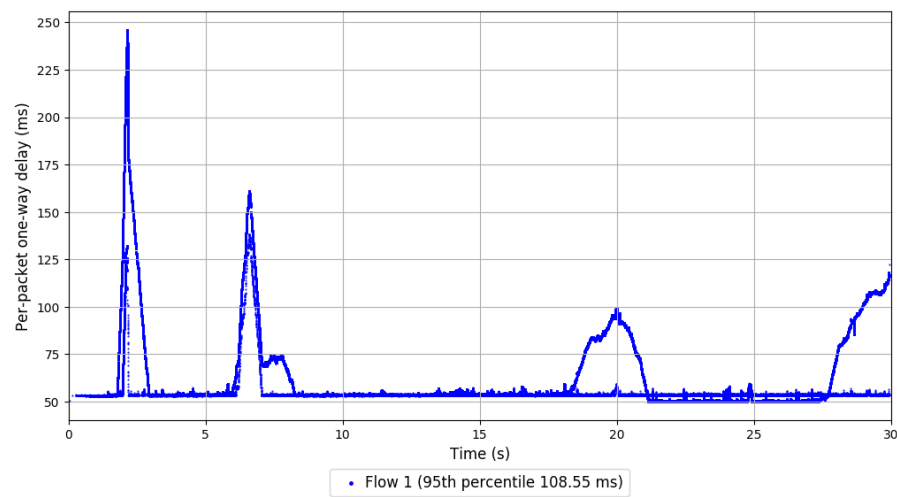
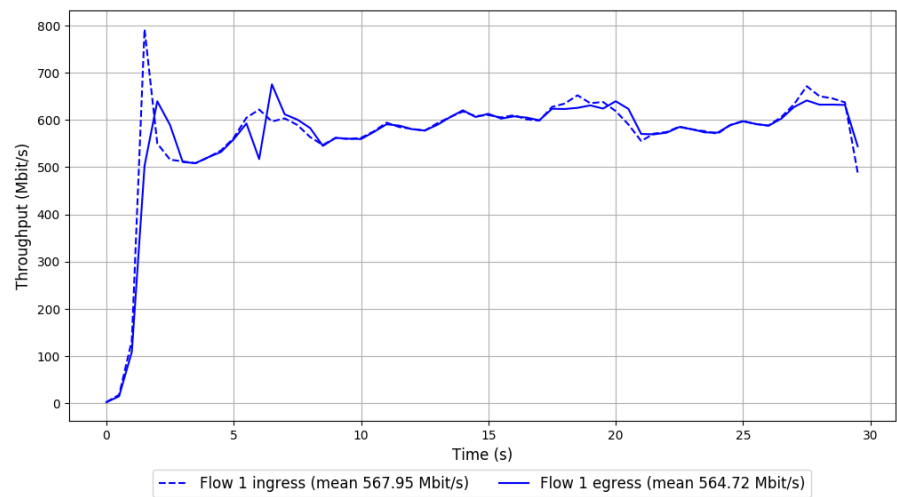
-- Flow 1:

Average throughput: 564.72 Mbit/s

95th percentile per-packet one-way delay: 108.545 ms

Loss rate: 0.54%

Run 10: Report of PCC — Data Link

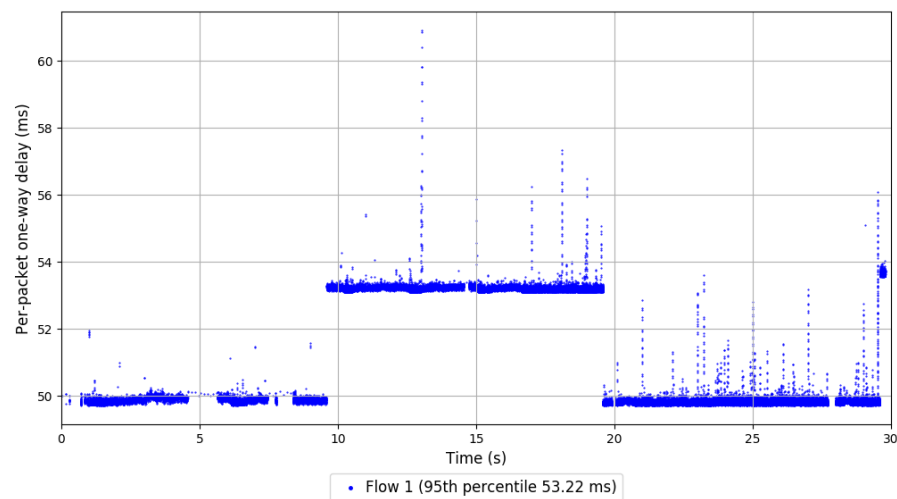
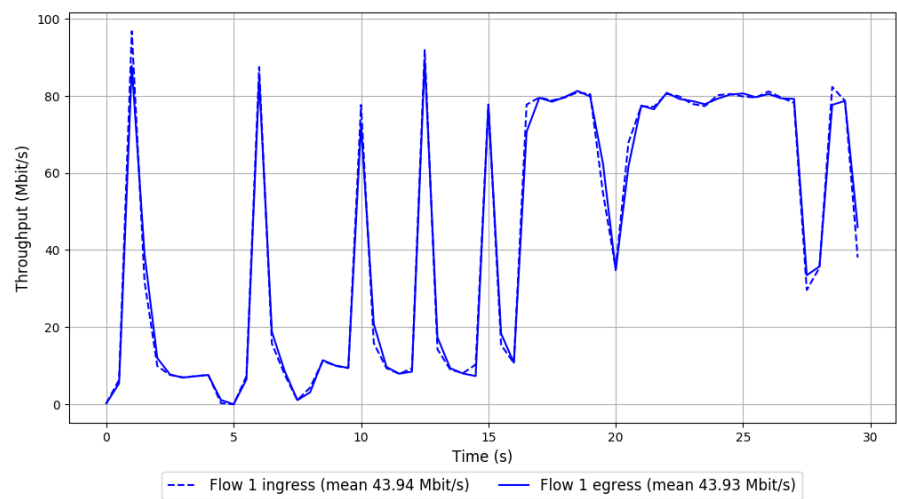


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-04-03 09:42:30
End at: 2018-04-03 09:43:00

# Below is generated by plot.py at 2018-04-03 14:39:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.93 Mbit/s
95th percentile per-packet one-way delay: 53.224 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.93 Mbit/s
95th percentile per-packet one-way delay: 53.224 ms
Loss rate: 0.00%
```

Run 1: Report of QUIC Cubic — Data Link

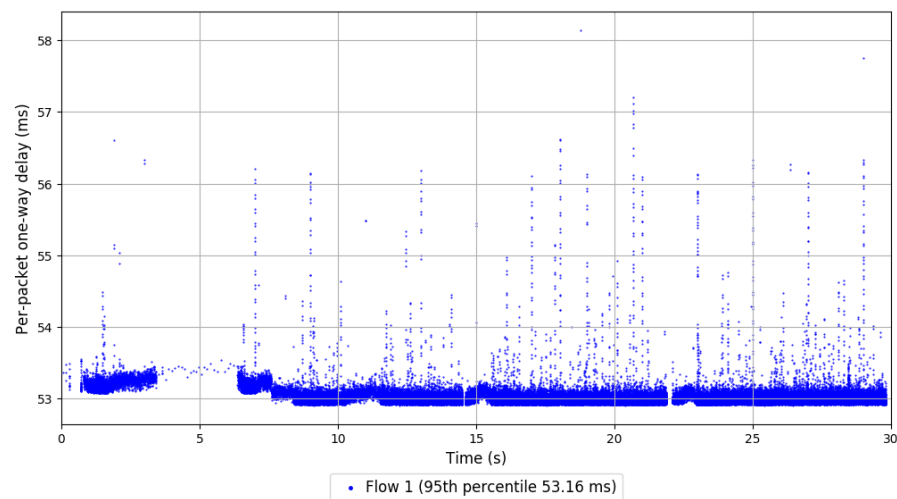
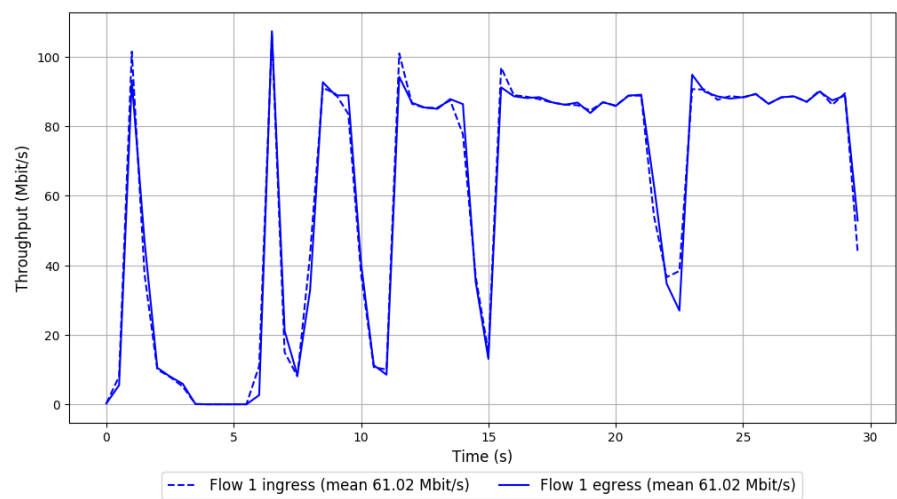


```
Run 2: Statistics of QUIC Cubic

Start at: 2018-04-03 09:57:12
End at: 2018-04-03 09:57:42

# Below is generated by plot.py at 2018-04-03 14:39:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.02 Mbit/s
95th percentile per-packet one-way delay: 53.161 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.02 Mbit/s
95th percentile per-packet one-way delay: 53.161 ms
Loss rate: 0.00%
```

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-04-03 10:11:30

End at: 2018-04-03 10:12:00

Below is generated by plot.py at 2018-04-03 14:39:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.31 Mbit/s

95th percentile per-packet one-way delay: 49.970 ms

Loss rate: 0.00%

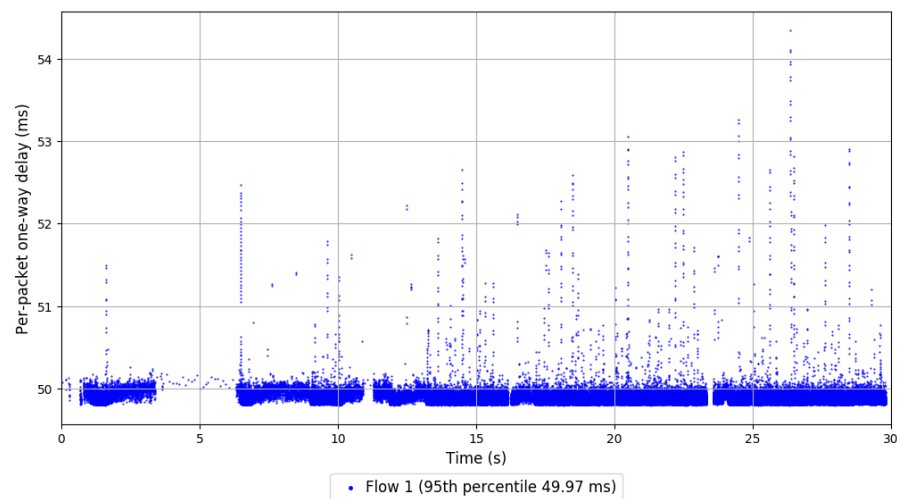
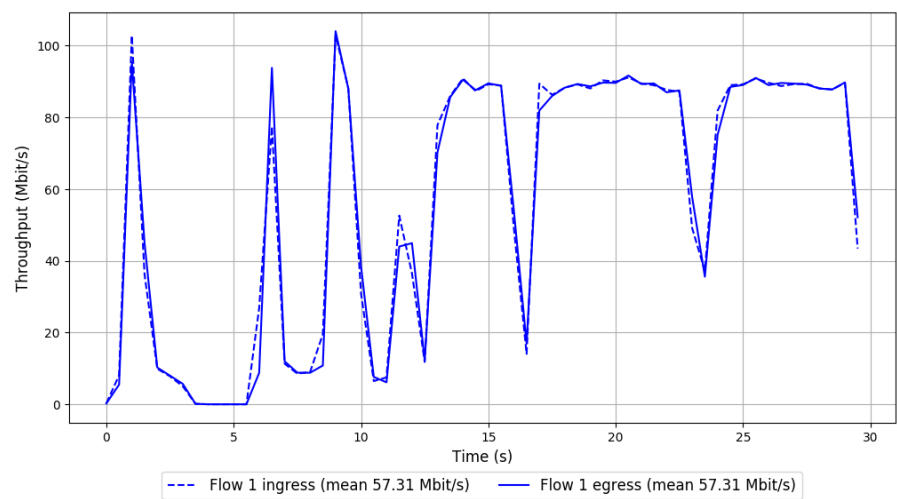
-- Flow 1:

Average throughput: 57.31 Mbit/s

95th percentile per-packet one-way delay: 49.970 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-04-03 10:25:52

End at: 2018-04-03 10:26:22

Below is generated by plot.py at 2018-04-03 14:39:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.79 Mbit/s

95th percentile per-packet one-way delay: 53.480 ms

Loss rate: 0.00%

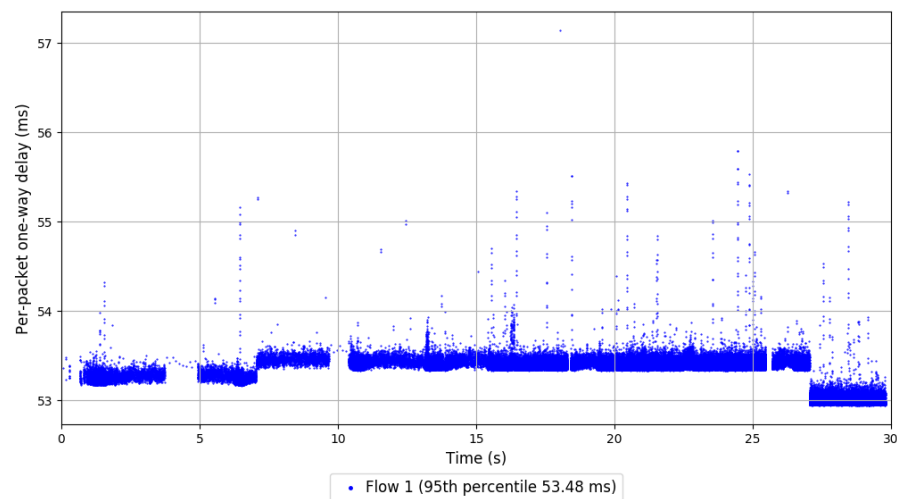
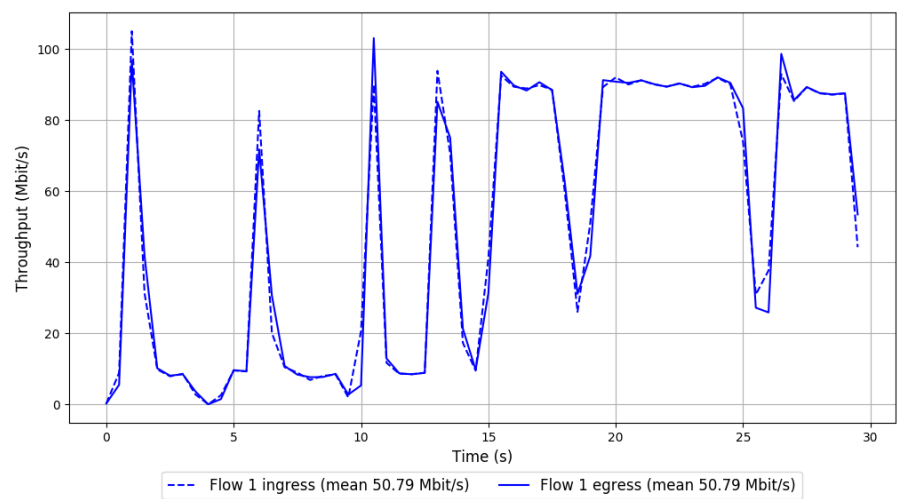
-- Flow 1:

Average throughput: 50.79 Mbit/s

95th percentile per-packet one-way delay: 53.480 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-04-03 10:40:13

End at: 2018-04-03 10:40:44

Below is generated by plot.py at 2018-04-03 14:39:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.55 Mbit/s

95th percentile per-packet one-way delay: 53.383 ms

Loss rate: 0.00%

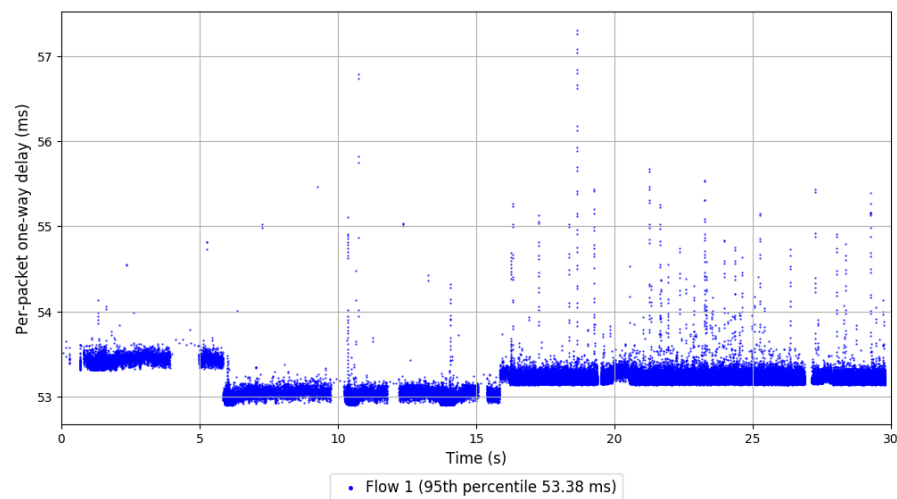
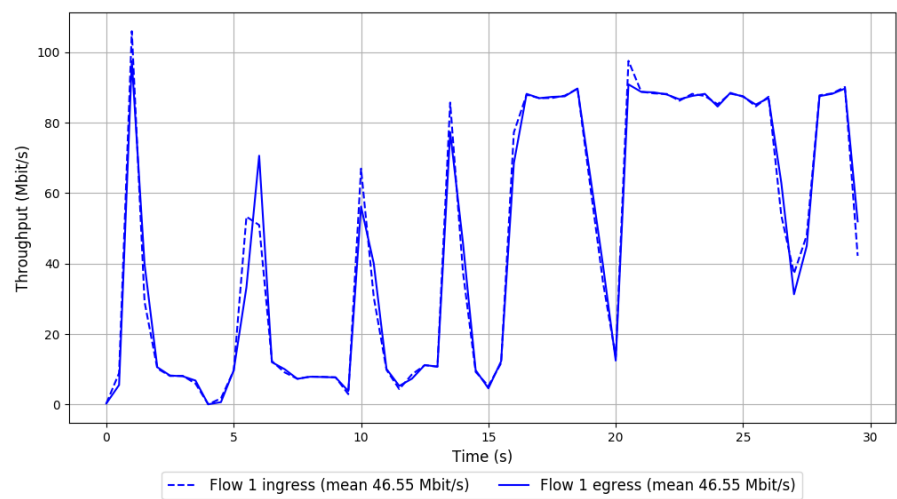
-- Flow 1:

Average throughput: 46.55 Mbit/s

95th percentile per-packet one-way delay: 53.383 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

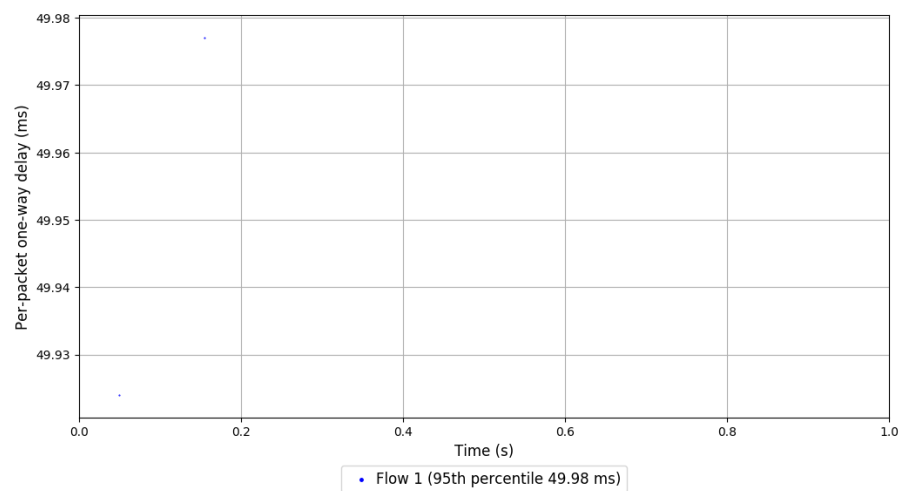
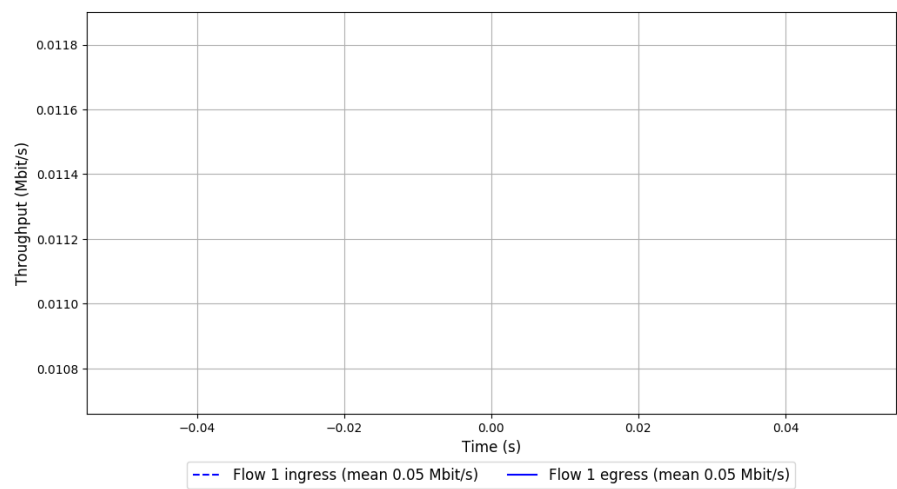


Run 6: Statistics of QUIC Cubic

Start at: 2018-04-03 10:54:25

End at: 2018-04-03 10:54:55

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-04-03 11:08:46

End at: 2018-04-03 11:09:16

Below is generated by plot.py at 2018-04-03 14:39:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.48 Mbit/s

95th percentile per-packet one-way delay: 50.133 ms

Loss rate: 0.00%

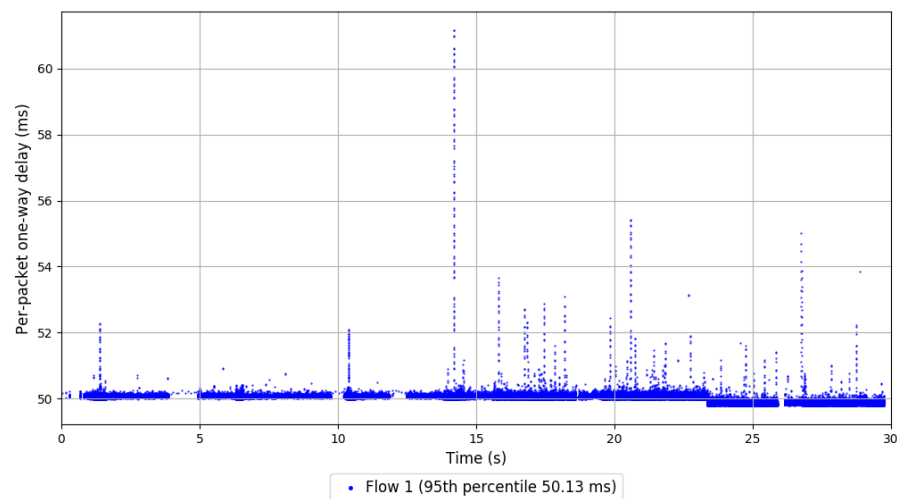
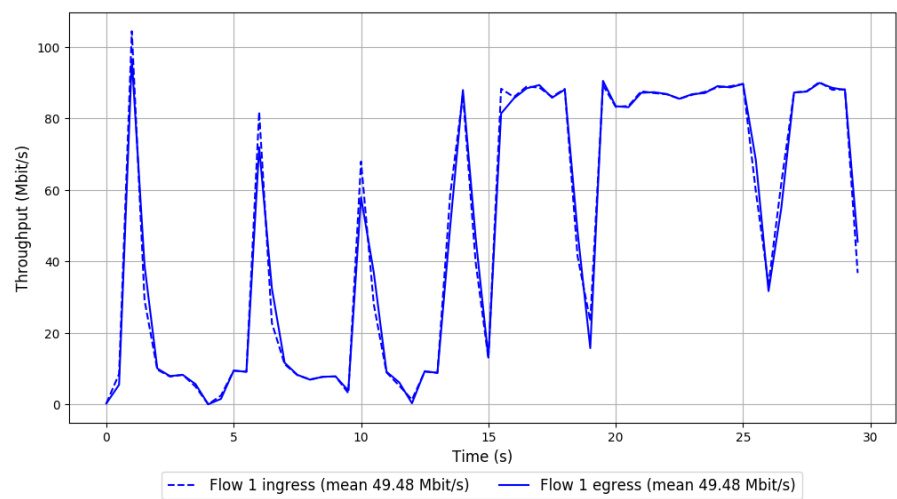
-- Flow 1:

Average throughput: 49.48 Mbit/s

95th percentile per-packet one-way delay: 50.133 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

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

End at: 2018-04-03 11:23:34

Below is generated by plot.py at 2018-04-03 14:39:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.66 Mbit/s

95th percentile per-packet one-way delay: 49.990 ms

Loss rate: 0.00%

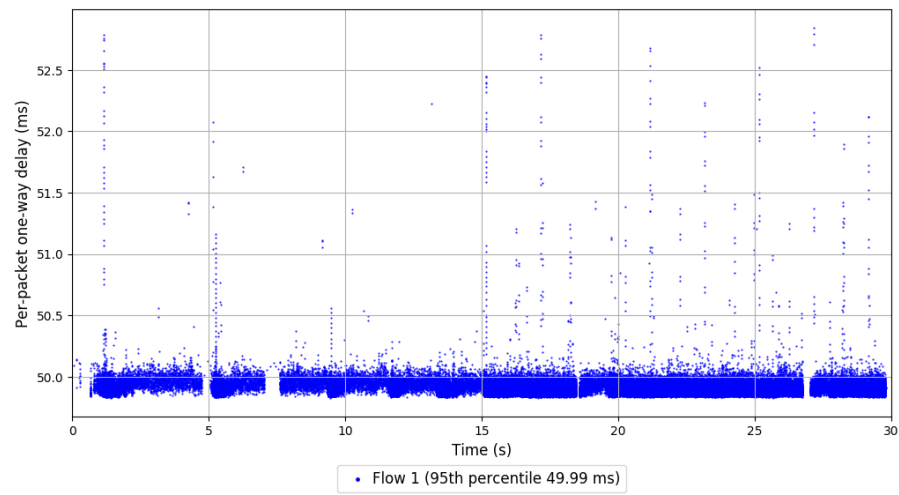
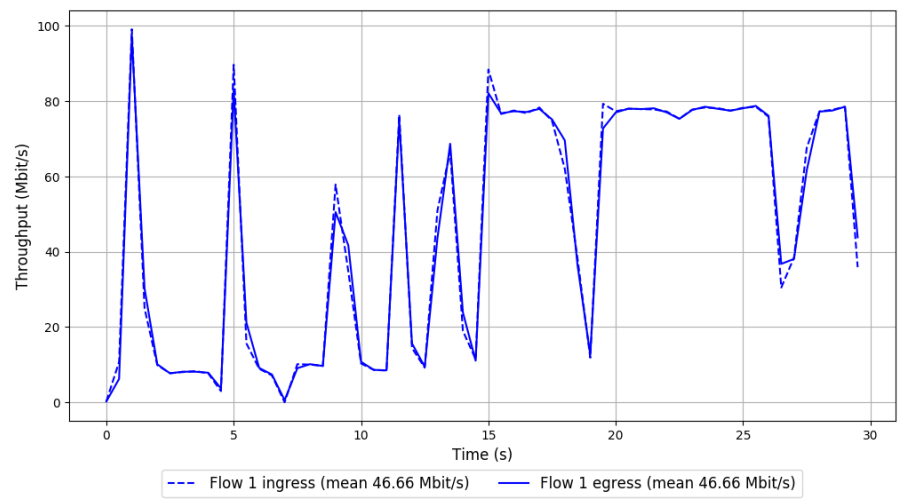
-- Flow 1:

Average throughput: 46.66 Mbit/s

95th percentile per-packet one-way delay: 49.990 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-04-03 11:37:41

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

Below is generated by plot.py at 2018-04-03 14:39:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.71 Mbit/s

95th percentile per-packet one-way delay: 49.975 ms

Loss rate: 0.00%

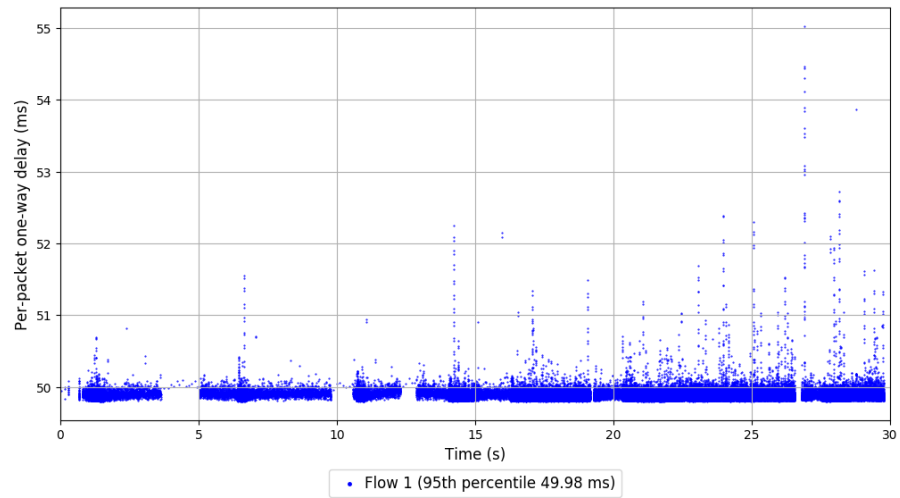
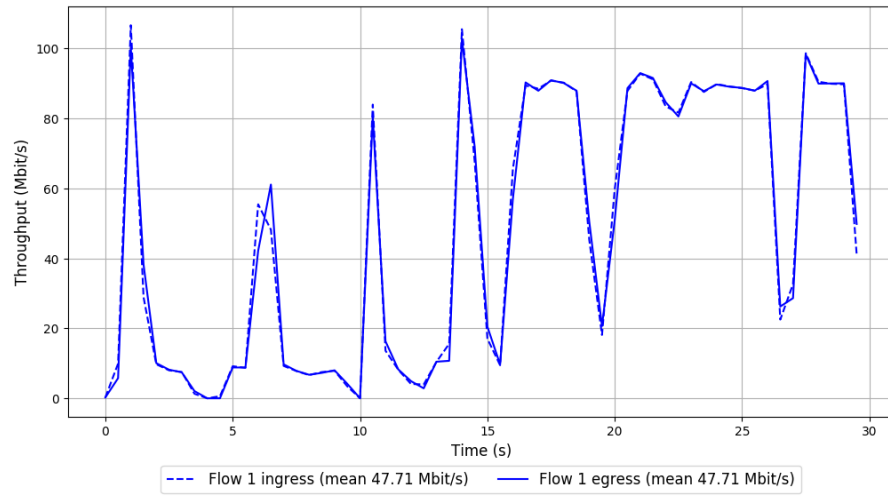
-- Flow 1:

Average throughput: 47.71 Mbit/s

95th percentile per-packet one-way delay: 49.975 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-04-03 11:52:14

End at: 2018-04-03 11:52:44

Below is generated by plot.py at 2018-04-03 14:39:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.76 Mbit/s

95th percentile per-packet one-way delay: 53.330 ms

Loss rate: 0.00%

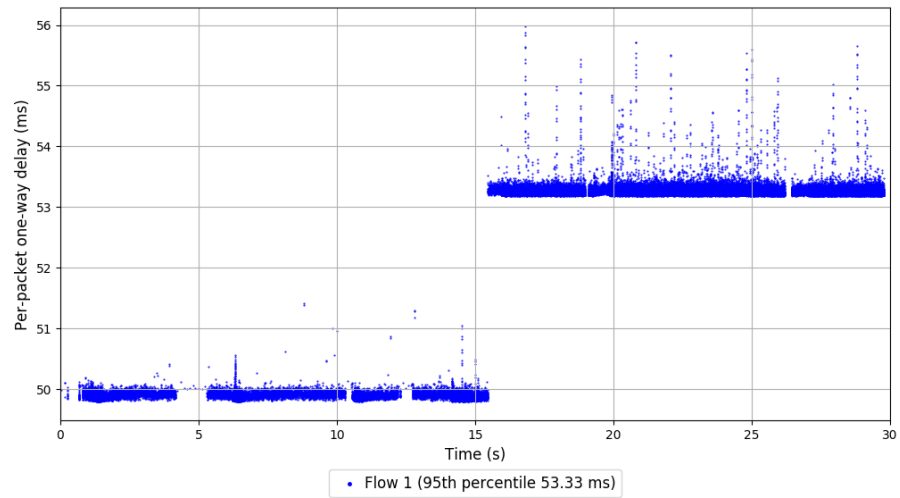
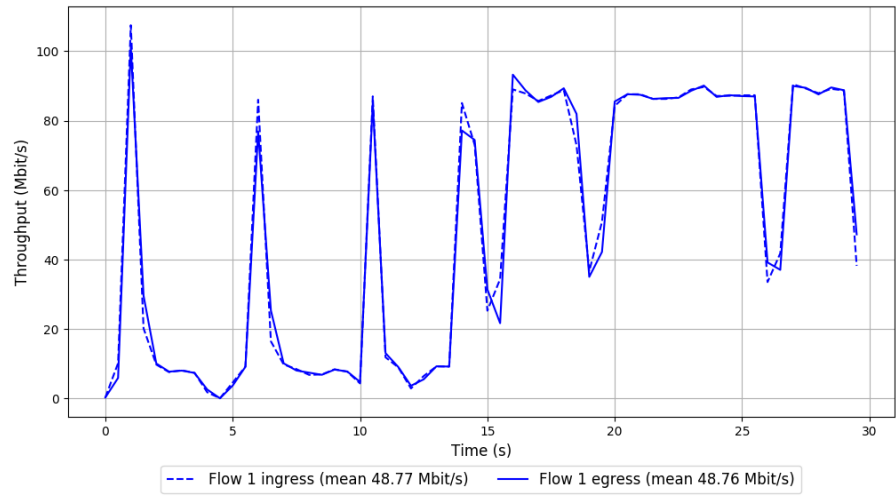
-- Flow 1:

Average throughput: 48.76 Mbit/s

95th percentile per-packet one-way delay: 53.330 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

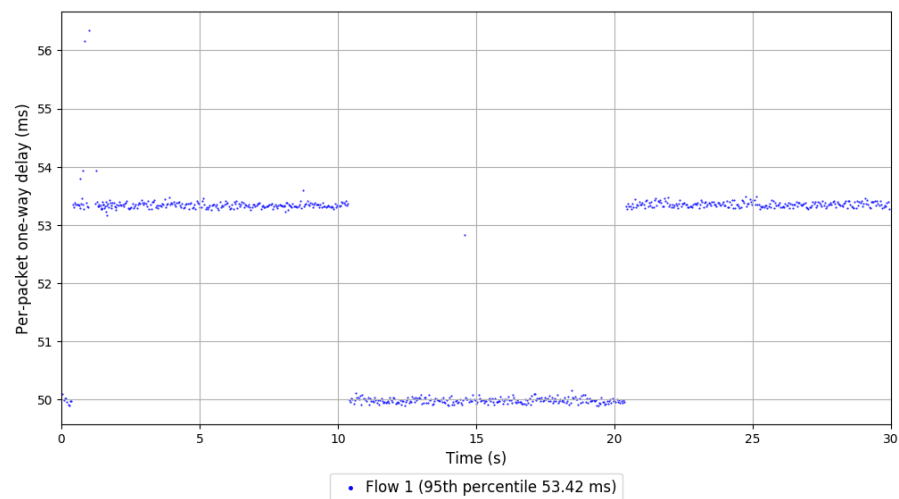
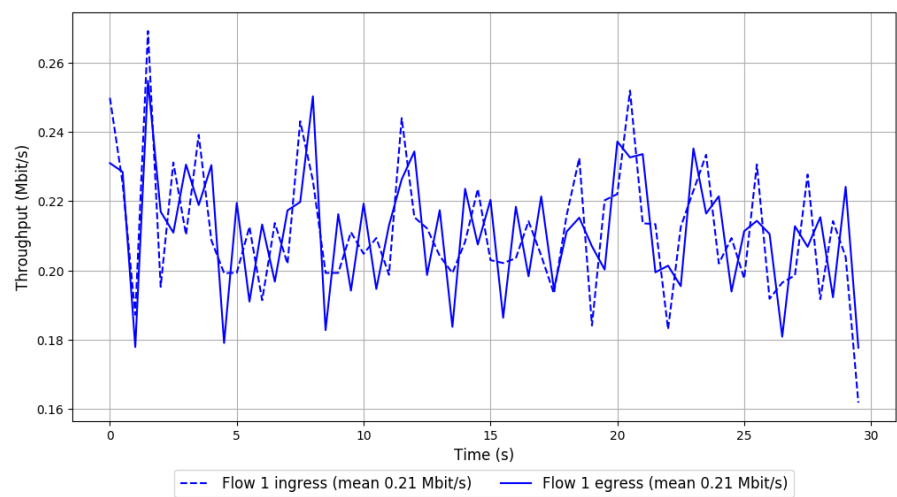


```
Run 1: Statistics of SCReAM

Start at: 2018-04-03 09:48:39
End at: 2018-04-03 09:49:09

# Below is generated by plot.py at 2018-04-03 14:39:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.417 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.417 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

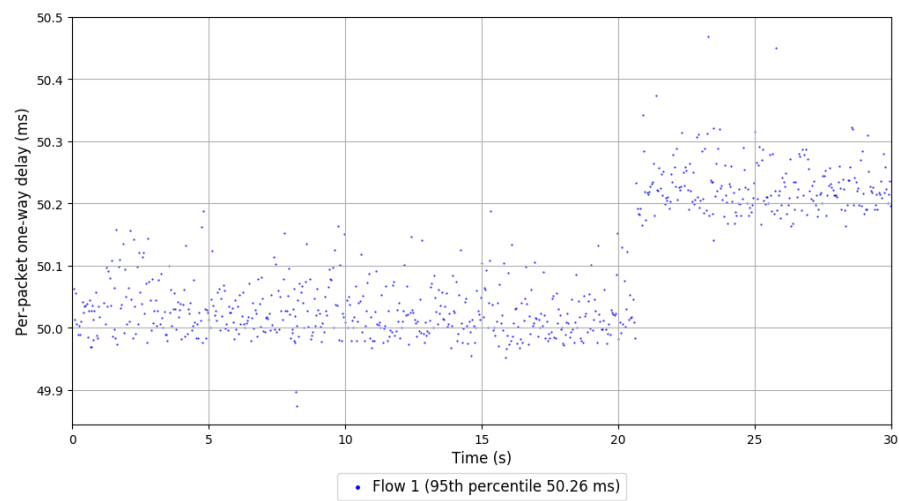
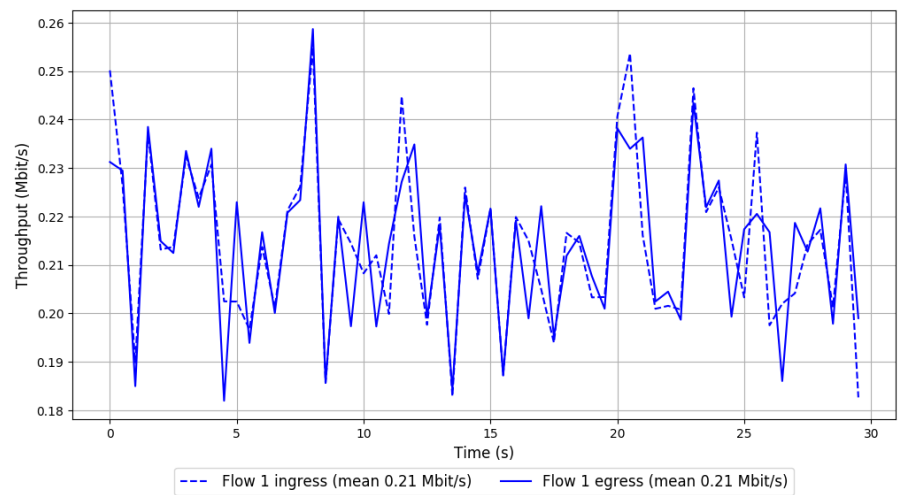


```
Run 2: Statistics of SCReAM

Start at: 2018-04-03 10:02:59
End at: 2018-04-03 10:03:29

# Below is generated by plot.py at 2018-04-03 14:39:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.264 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.264 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-04-03 10:17:24

End at: 2018-04-03 10:17:54

Below is generated by plot.py at 2018-04-03 14:39:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.661 ms

Loss rate: 0.00%

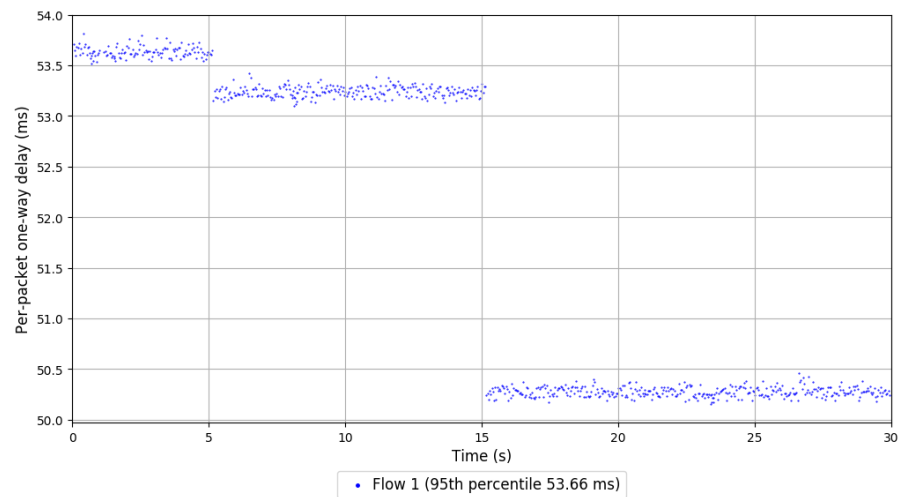
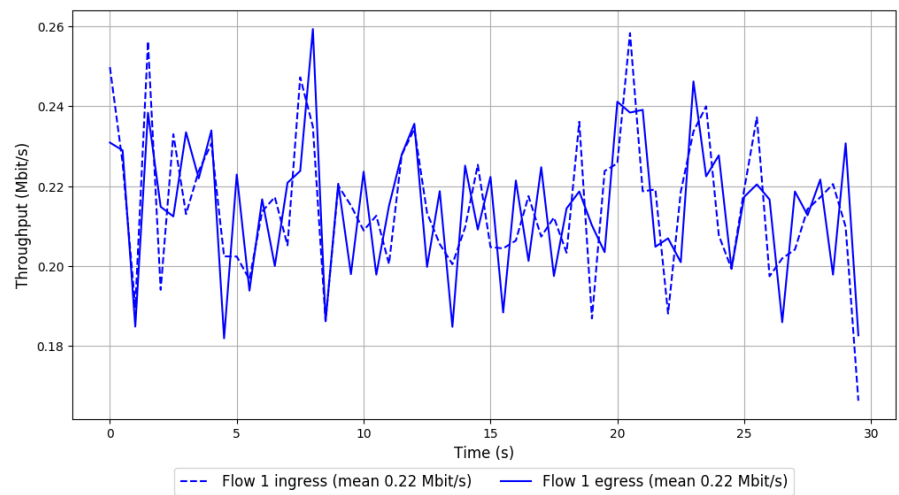
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.661 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-04-03 10:31:45

End at: 2018-04-03 10:32:15

Below is generated by plot.py at 2018-04-03 14:39:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.108 ms

Loss rate: 0.00%

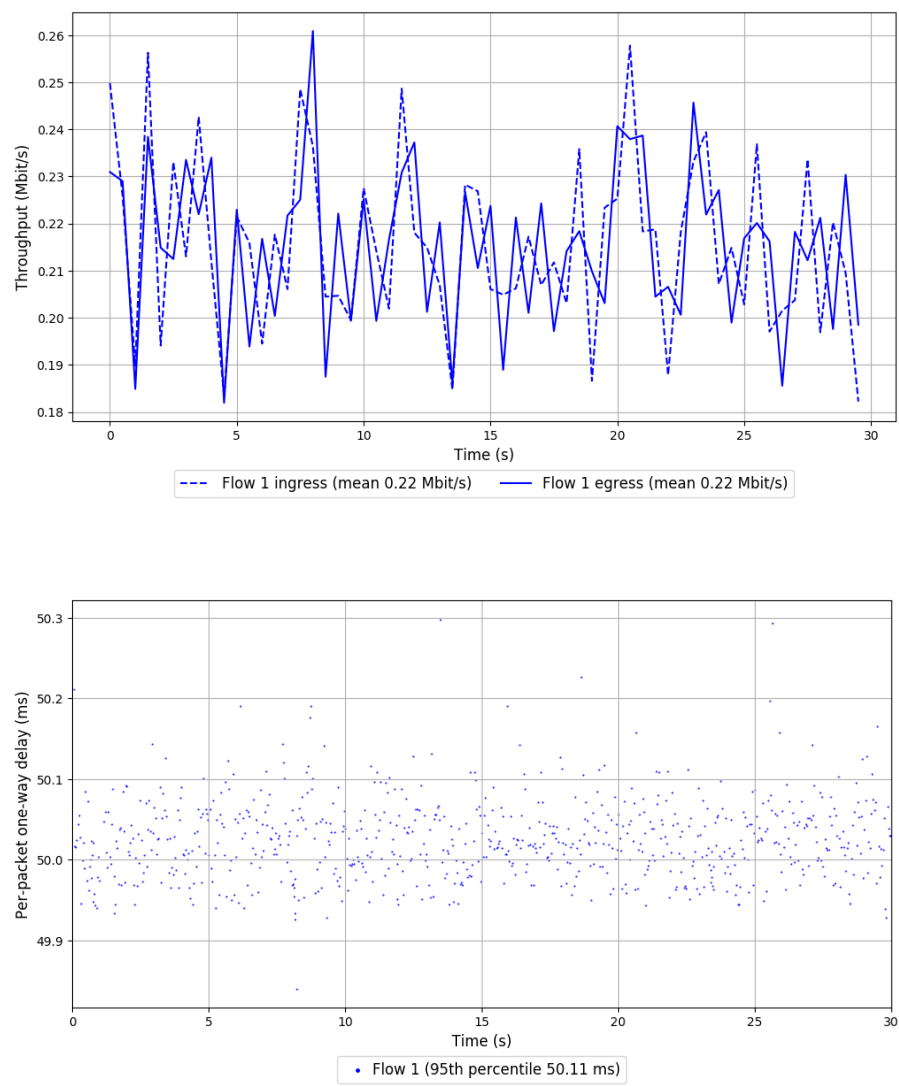
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.108 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-04-03 10:45:59

End at: 2018-04-03 10:46:29

Below is generated by plot.py at 2018-04-03 14:39:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.506 ms

Loss rate: 0.00%

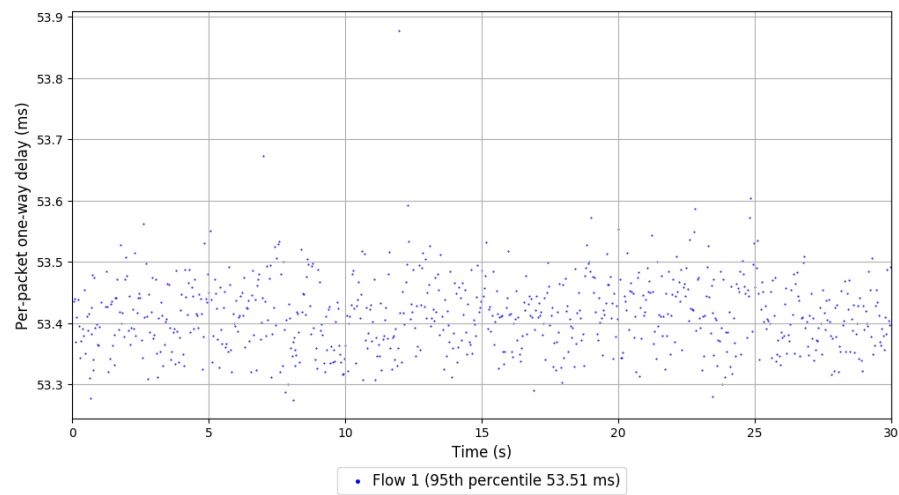
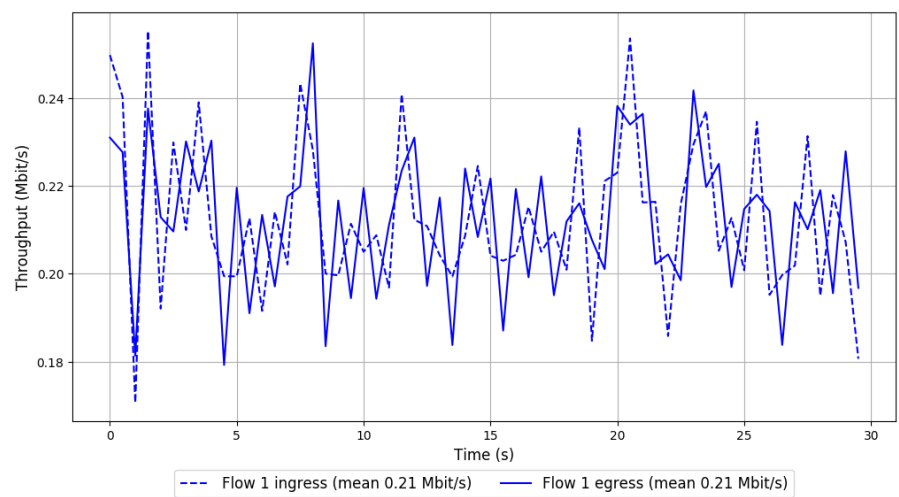
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.506 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-04-03 11:00:15

End at: 2018-04-03 11:00:45

Below is generated by plot.py at 2018-04-03 14:39:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.280 ms

Loss rate: 0.00%

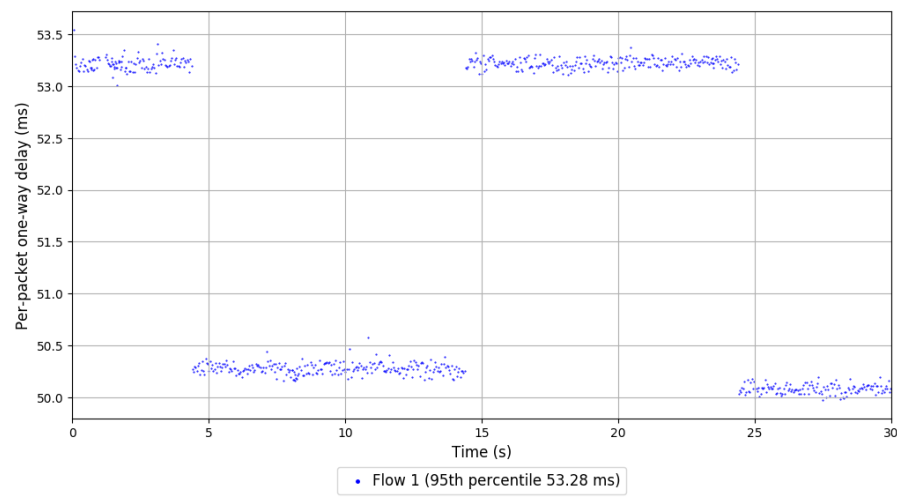
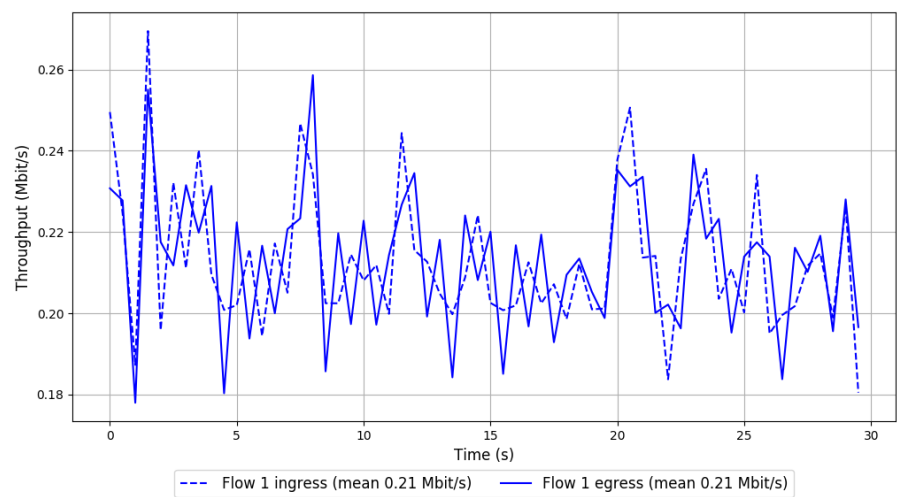
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.280 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-04-03 11:14:34

End at: 2018-04-03 11:15:04

Below is generated by plot.py at 2018-04-03 14:39:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 50.126 ms

Loss rate: 0.00%

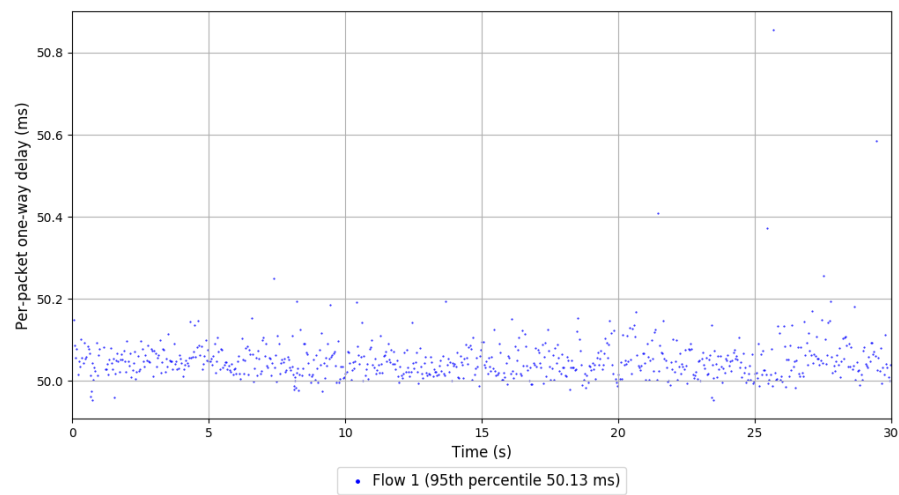
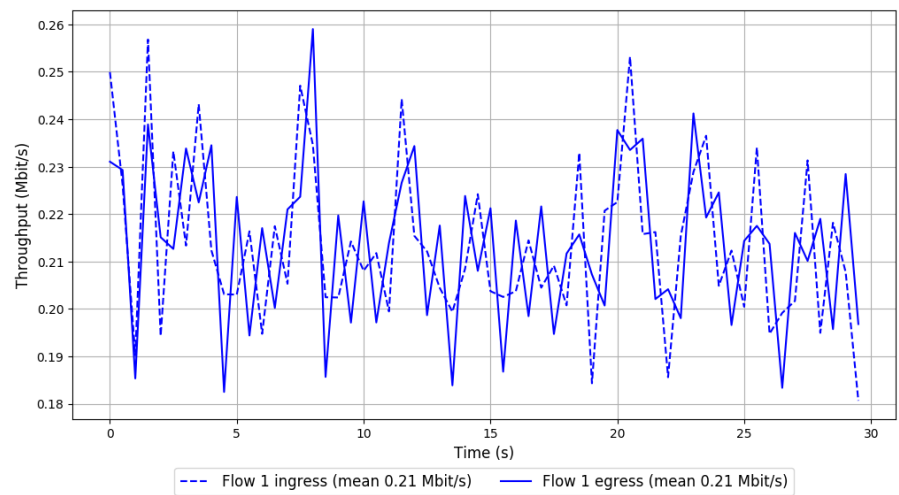
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 50.126 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-04-03 11:29:05

End at: 2018-04-03 11:29:35

Below is generated by plot.py at 2018-04-03 14:39:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.845 ms

Loss rate: 0.00%

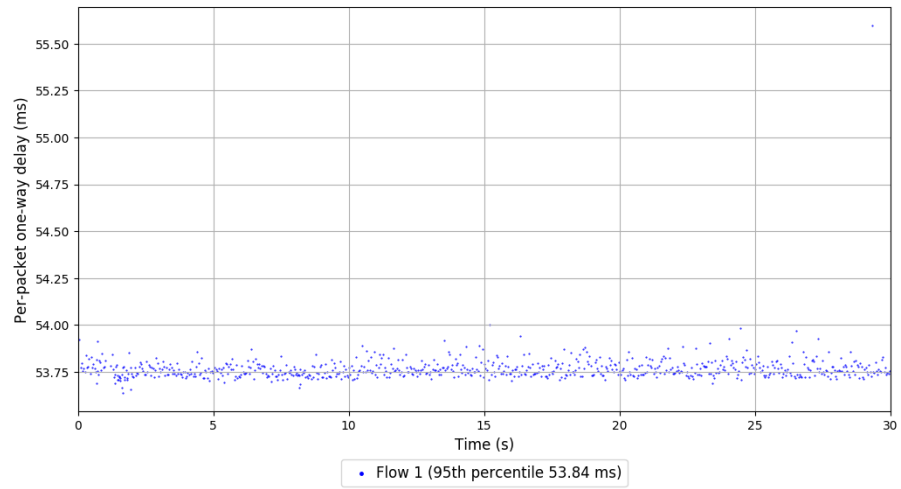
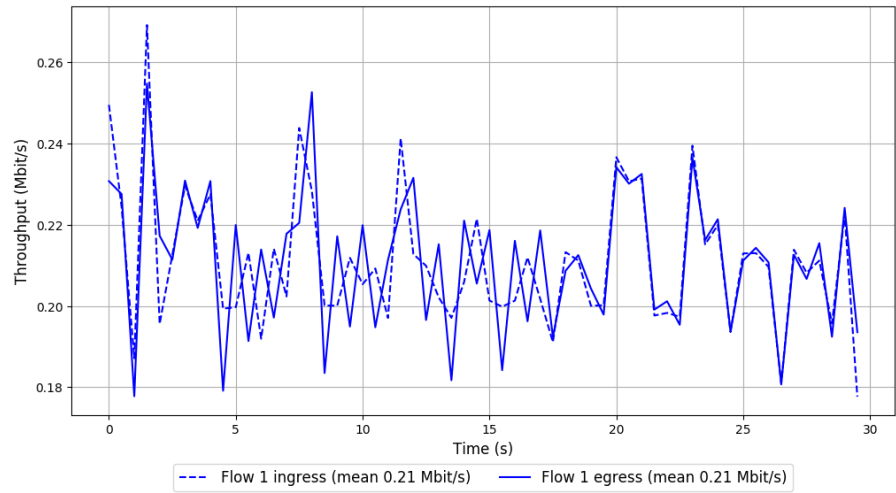
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.845 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-04-03 11:43:38

End at: 2018-04-03 11:44:08

Below is generated by plot.py at 2018-04-03 14:39:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.431 ms

Loss rate: 0.00%

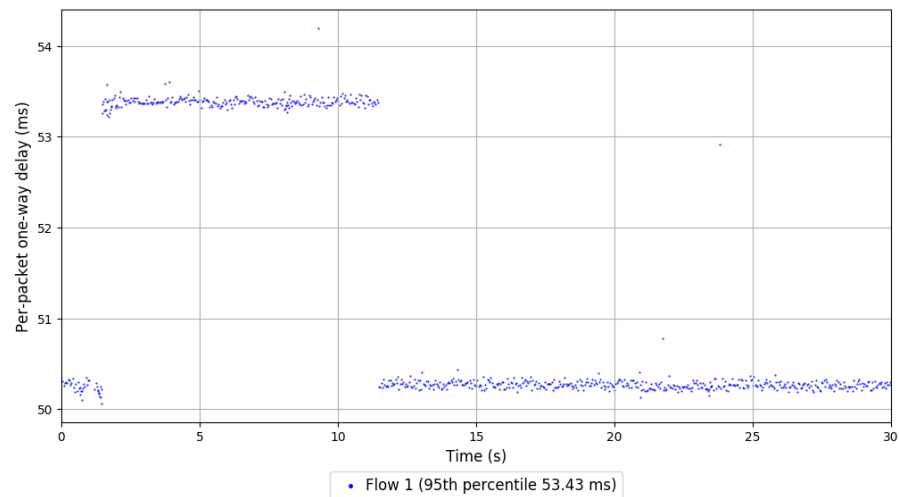
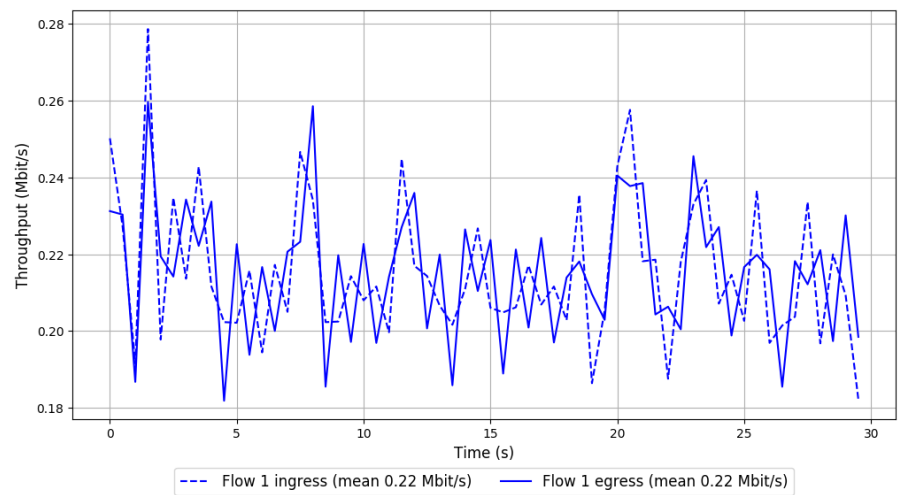
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.431 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-04-03 11:58:06

End at: 2018-04-03 11:58:36

Below is generated by plot.py at 2018-04-03 14:39:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.739 ms

Loss rate: 0.00%

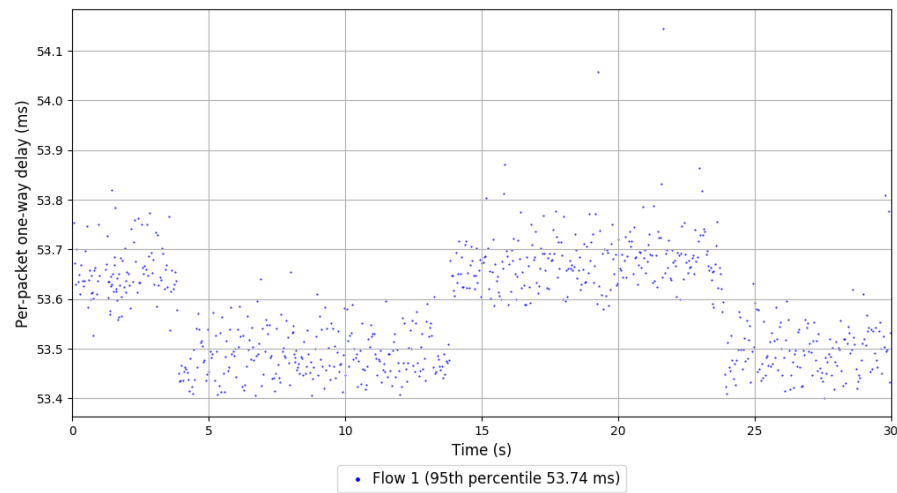
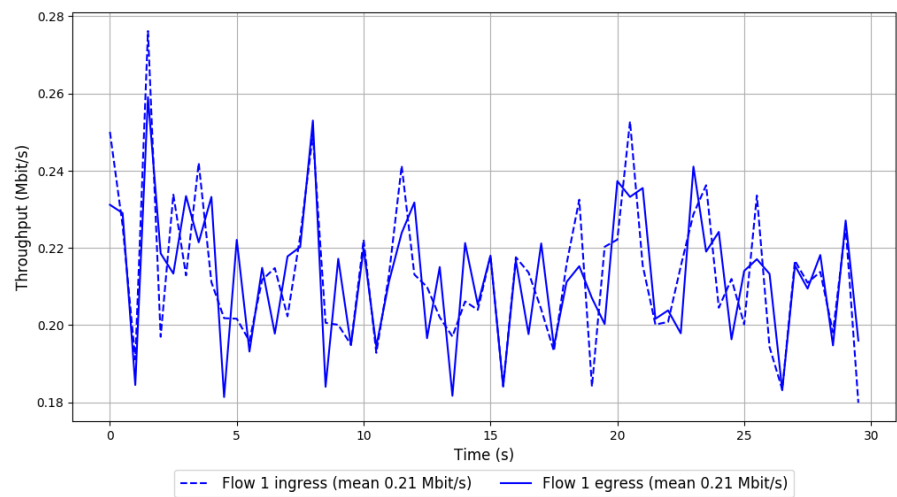
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.739 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

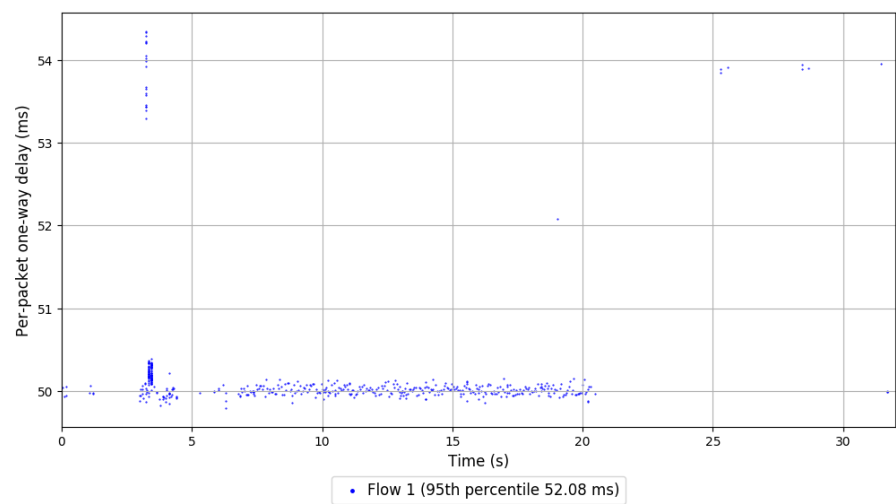
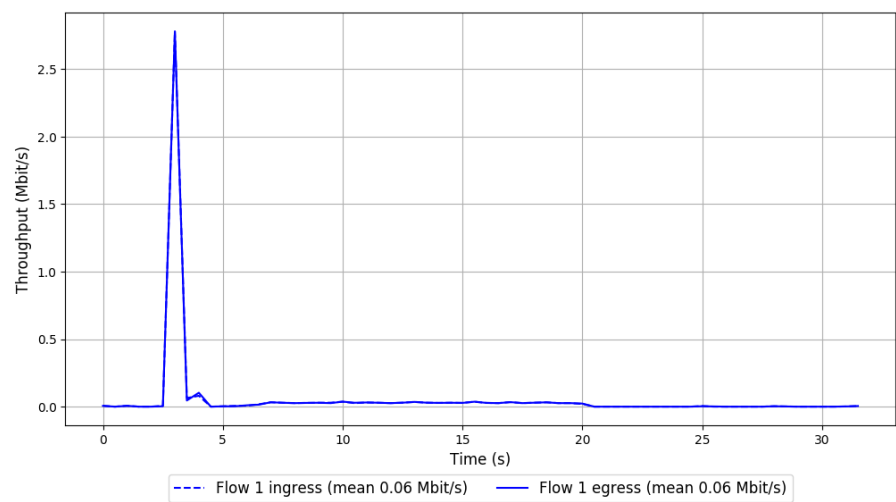


```
Run 1: Statistics of WebRTC media

Start at: 2018-04-03 09:55:00
End at: 2018-04-03 09:55:30

# Below is generated by plot.py at 2018-04-03 14:39:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 52.082 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 52.082 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-04-03 10:09:20

End at: 2018-04-03 10:09:50

Below is generated by plot.py at 2018-04-03 14:39:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.634 ms

Loss rate: 0.00%

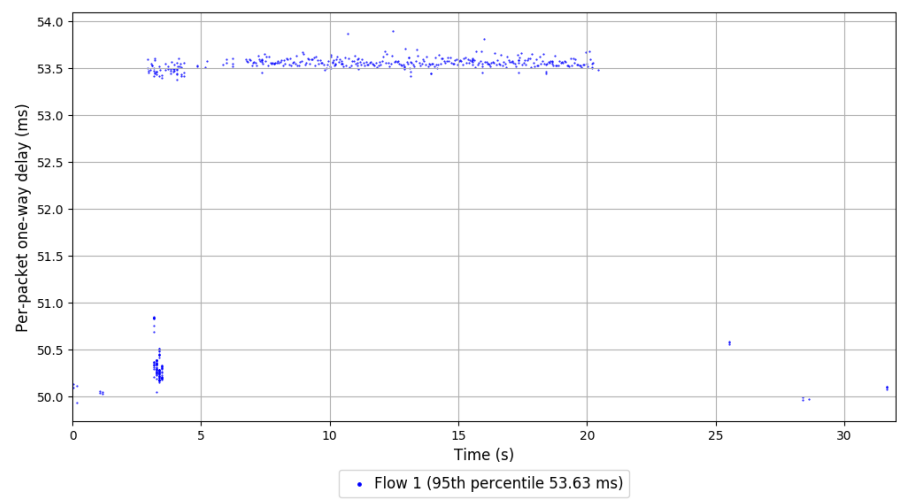
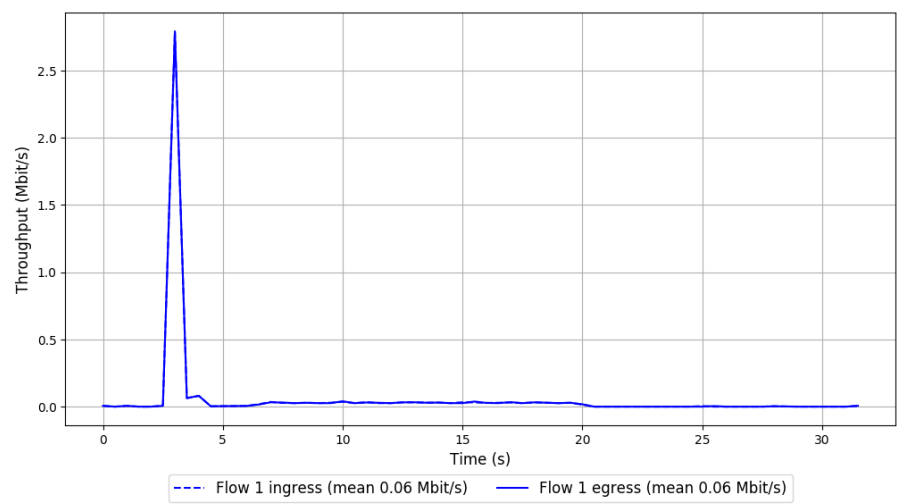
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.634 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-04-03 10:23:42

End at: 2018-04-03 10:24:12

Below is generated by plot.py at 2018-04-03 14:39:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.462 ms

Loss rate: 0.00%

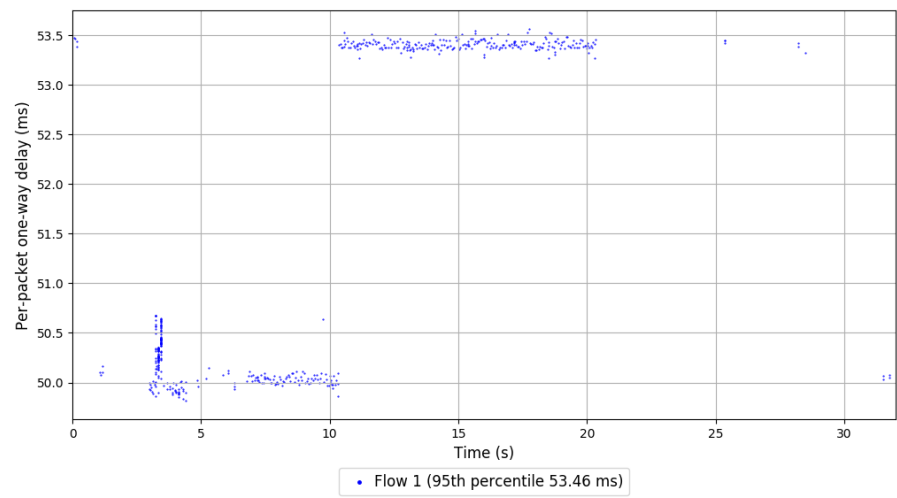
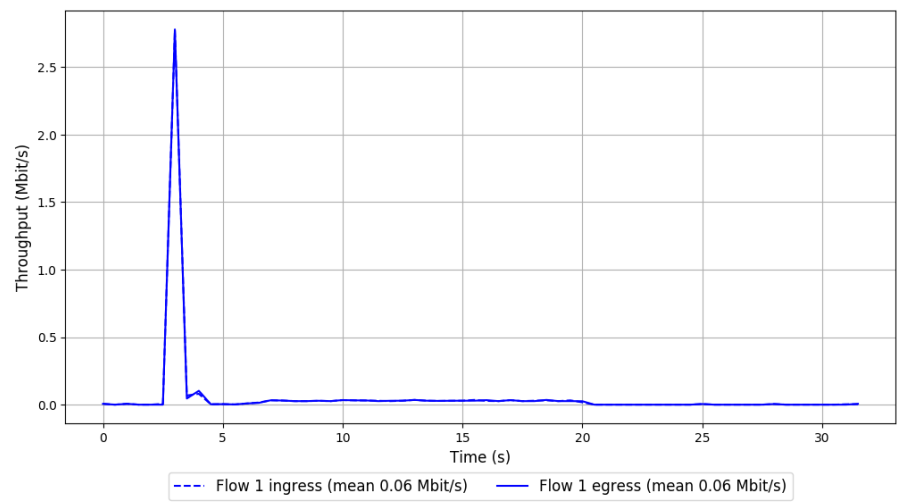
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.462 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-04-03 10:38:03

End at: 2018-04-03 10:38:33

Below is generated by plot.py at 2018-04-03 14:39:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 53.996 ms

Loss rate: 0.00%

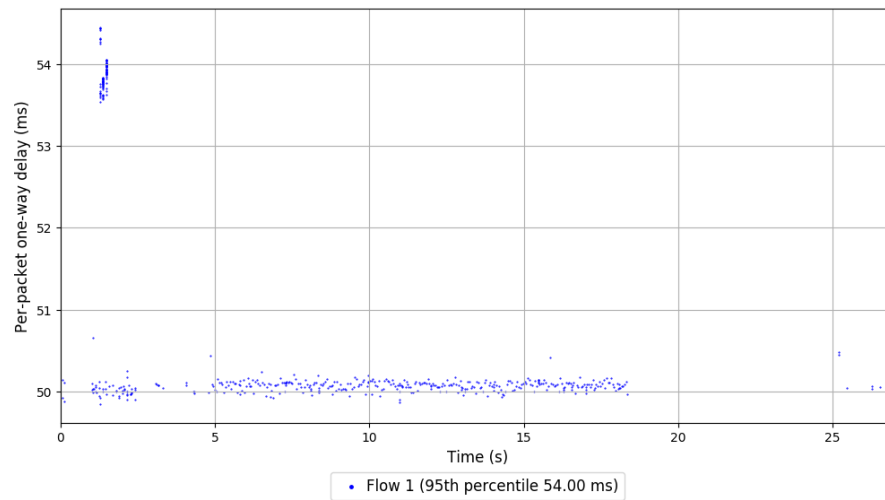
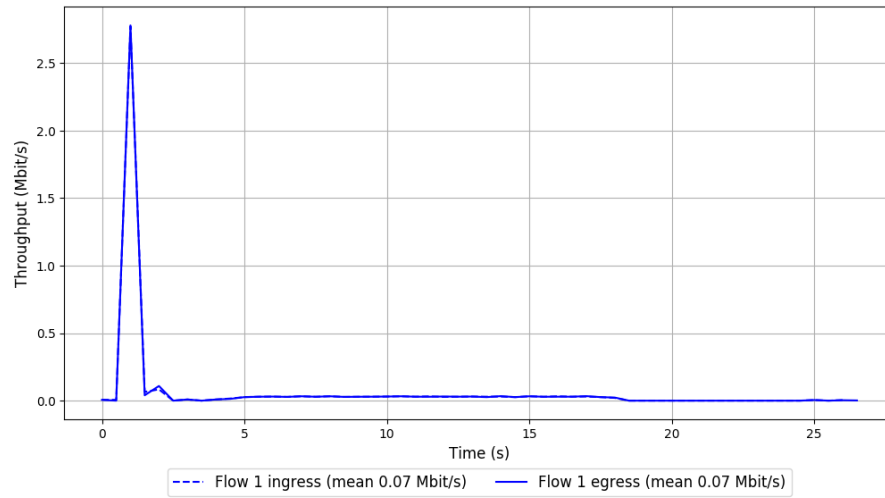
-- Flow 1:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 53.996 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-04-03 10:52:15

End at: 2018-04-03 10:52:45

Below is generated by plot.py at 2018-04-03 14:39:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

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

Loss rate: 0.00%

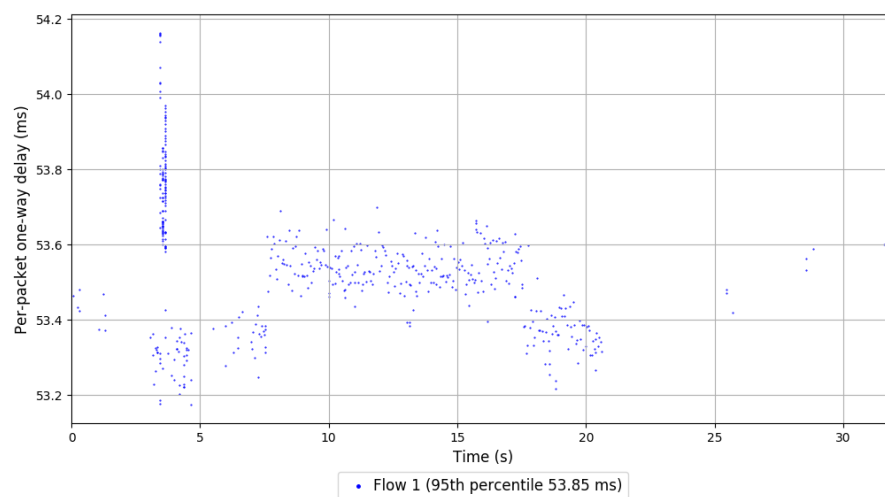
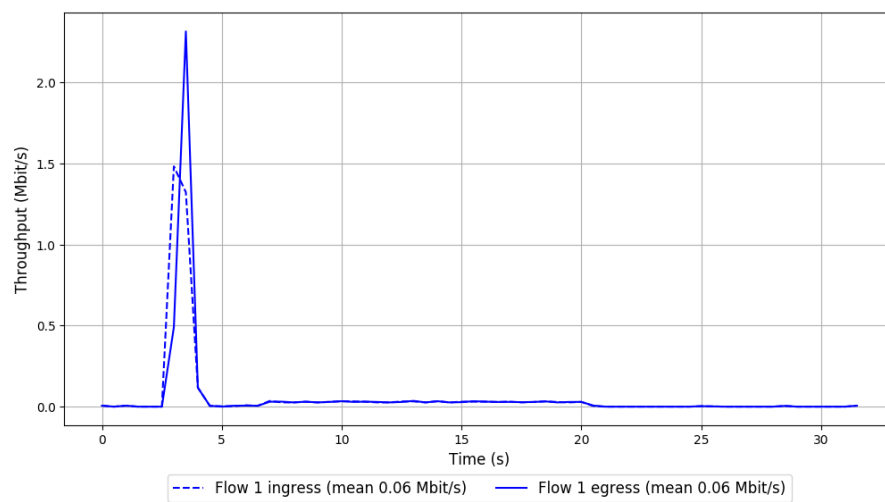
-- Flow 1:

Average throughput: 0.06 Mbit/s

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

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-04-03 11:06:34

End at: 2018-04-03 11:07:04

Below is generated by plot.py at 2018-04-03 14:39:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.492 ms

Loss rate: 0.00%

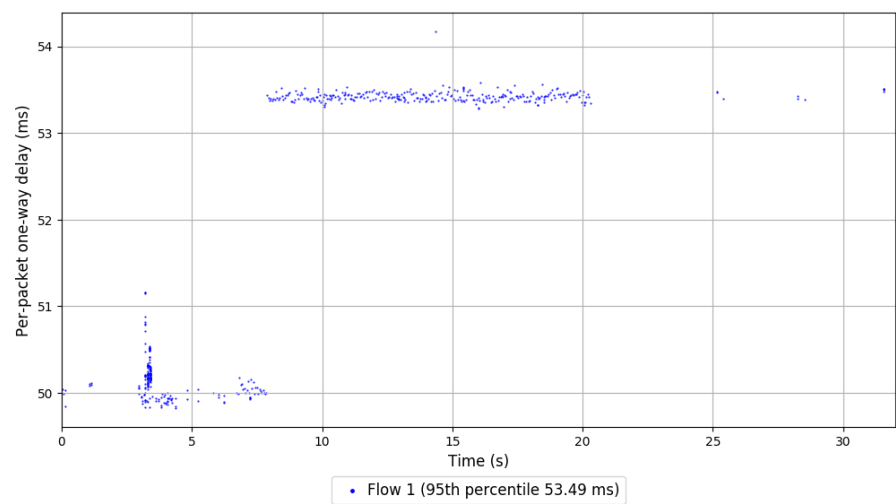
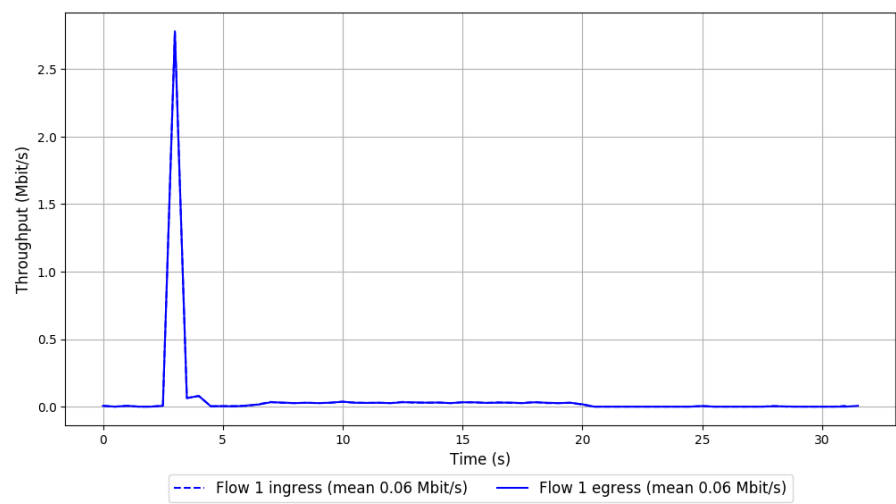
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.492 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-04-03 11:20:54

End at: 2018-04-03 11:21:24

Below is generated by plot.py at 2018-04-03 14:39:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.933 ms

Loss rate: 0.00%

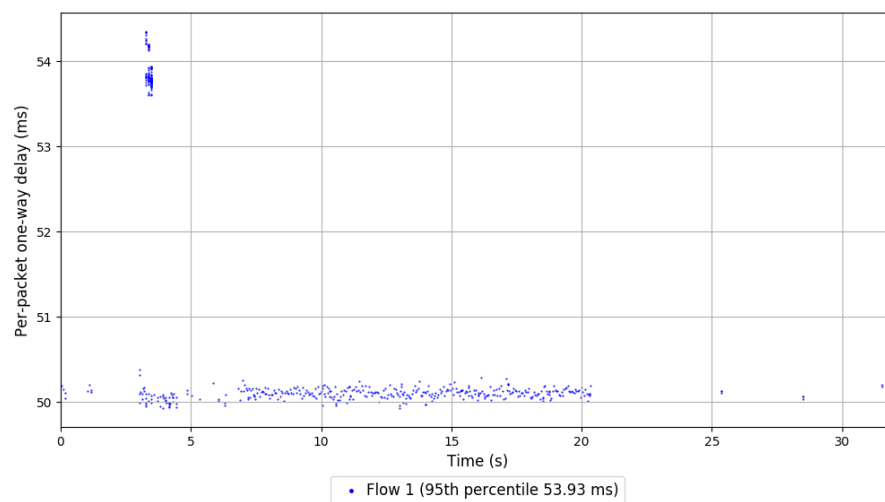
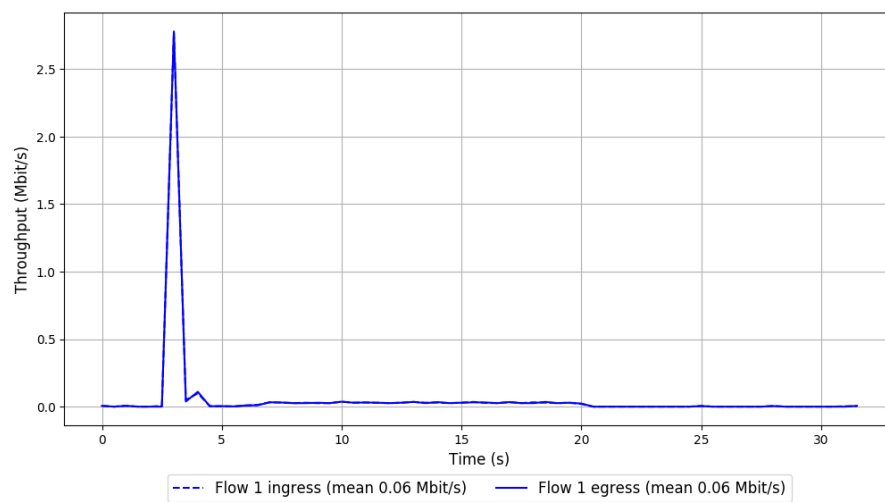
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.933 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-04-03 11:35:31

End at: 2018-04-03 11:36:01

Below is generated by plot.py at 2018-04-03 14:39:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.866 ms

Loss rate: 0.00%

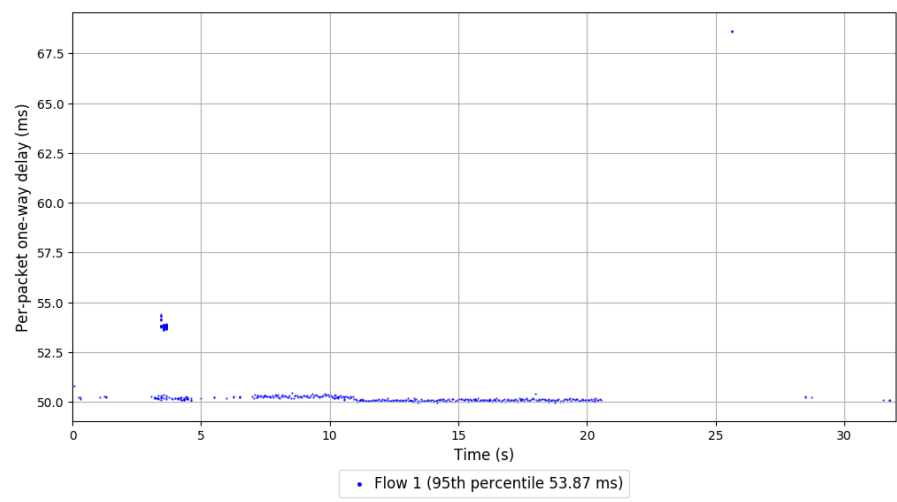
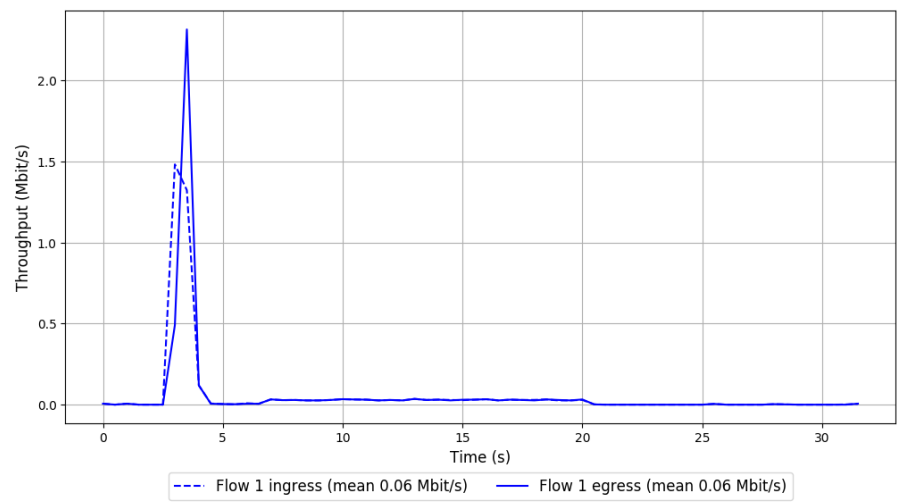
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.866 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-04-03 11:50:03

End at: 2018-04-03 11:50:33

Below is generated by plot.py at 2018-04-03 14:39:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.996 ms

Loss rate: 0.00%

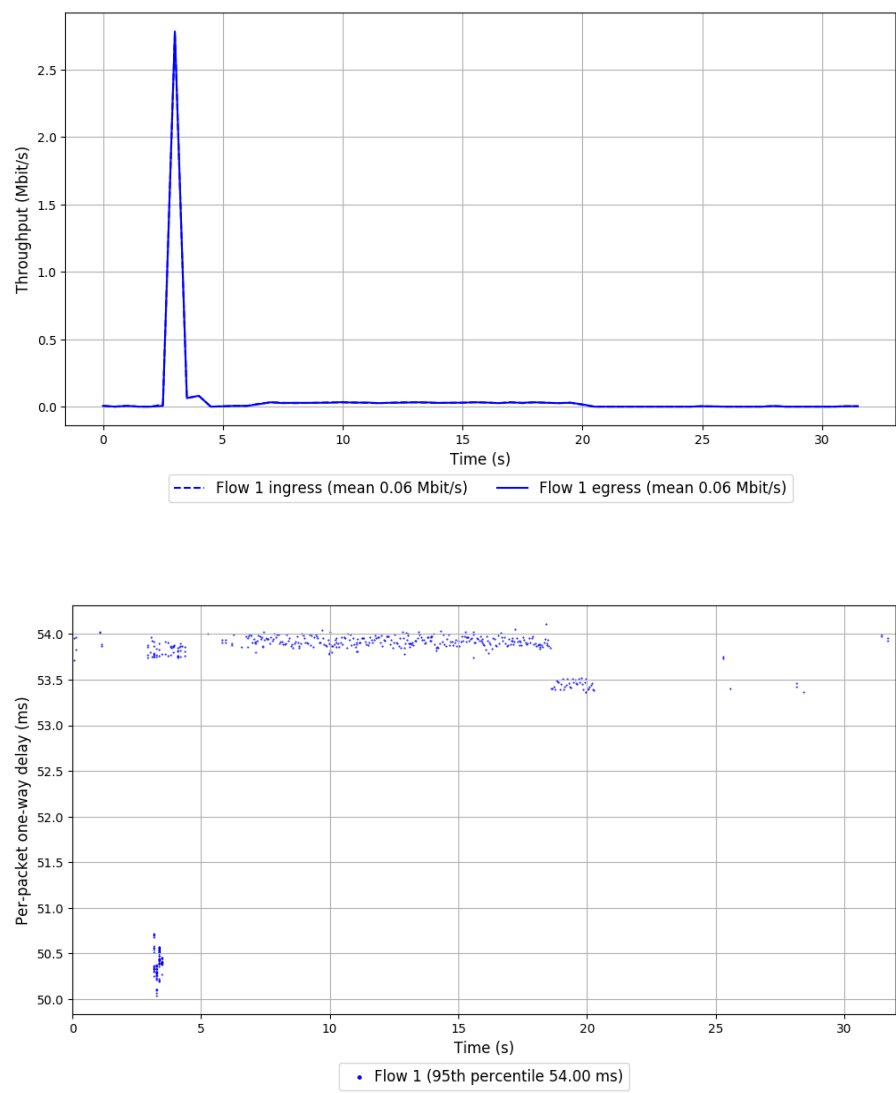
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.996 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-04-03 12:04:33

End at: 2018-04-03 12:05:03

Below is generated by plot.py at 2018-04-03 14:39:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.238 ms

Loss rate: 0.00%

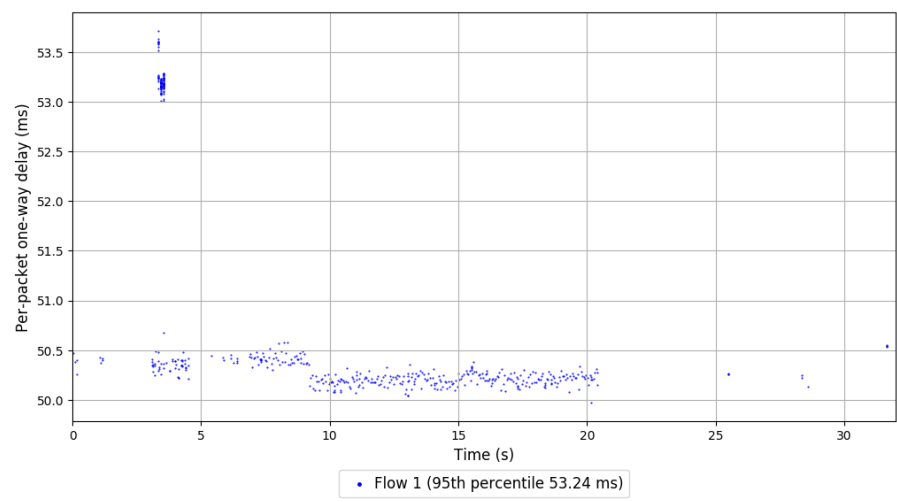
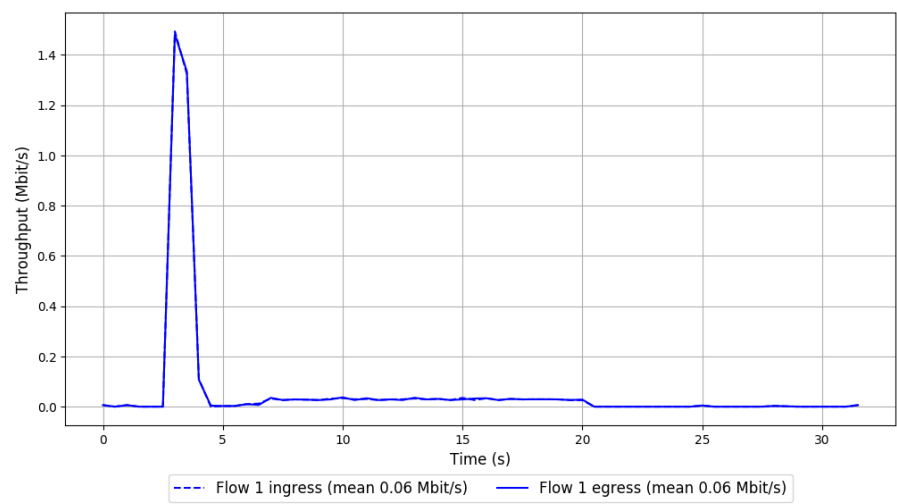
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.238 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

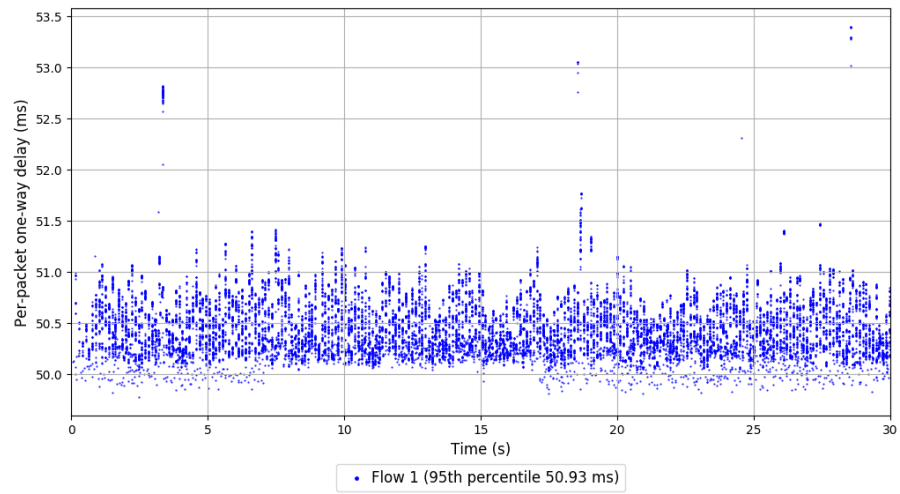
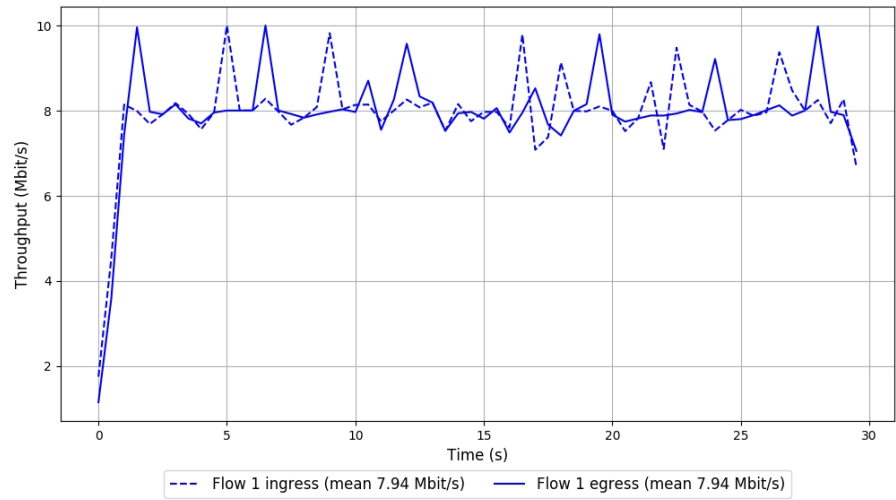


```
Run 1: Statistics of Sprout

Start at: 2018-04-03 09:41:52
End at: 2018-04-03 09:42:22

# Below is generated by plot.py at 2018-04-03 14:39:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.94 Mbit/s
95th percentile per-packet one-way delay: 50.934 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.94 Mbit/s
95th percentile per-packet one-way delay: 50.934 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-04-03 09:56:34

End at: 2018-04-03 09:57:04

Below is generated by plot.py at 2018-04-03 14:39:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.71 Mbit/s

95th percentile per-packet one-way delay: 54.644 ms

Loss rate: 0.00%

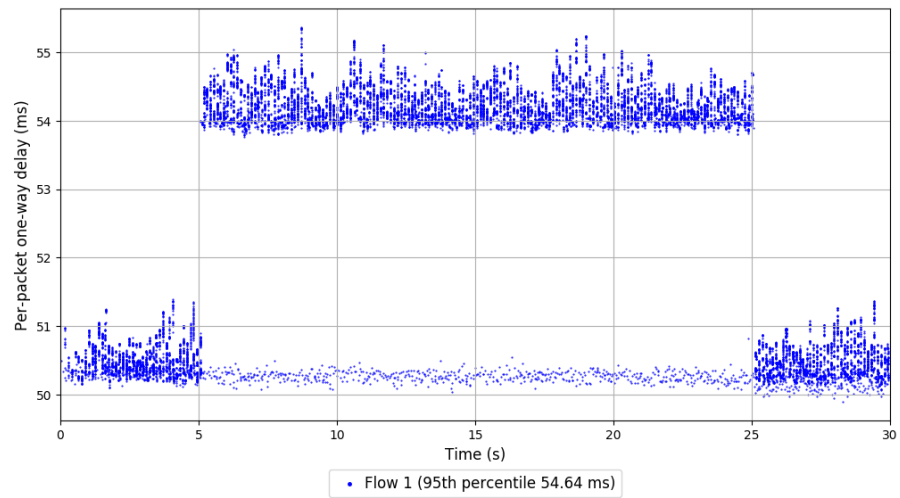
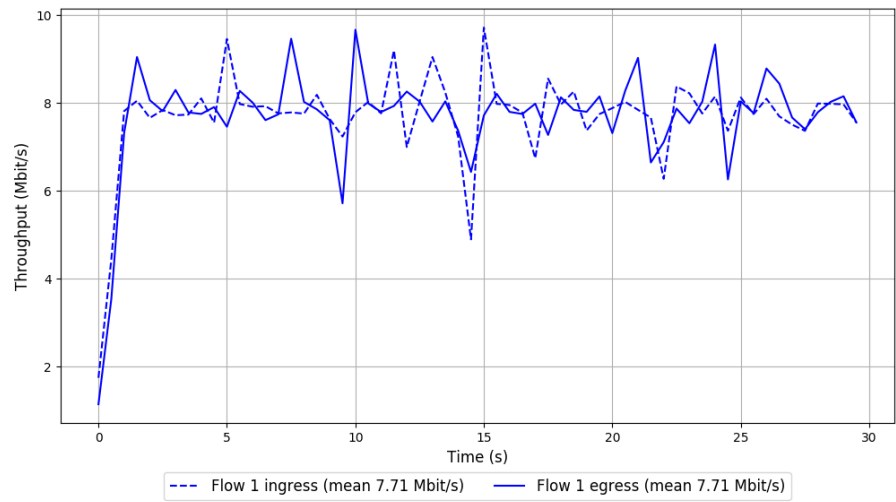
-- Flow 1:

Average throughput: 7.71 Mbit/s

95th percentile per-packet one-way delay: 54.644 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-04-03 10:10:53

End at: 2018-04-03 10:11:23

Below is generated by plot.py at 2018-04-03 14:39:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.81 Mbit/s

95th percentile per-packet one-way delay: 50.986 ms

Loss rate: 0.00%

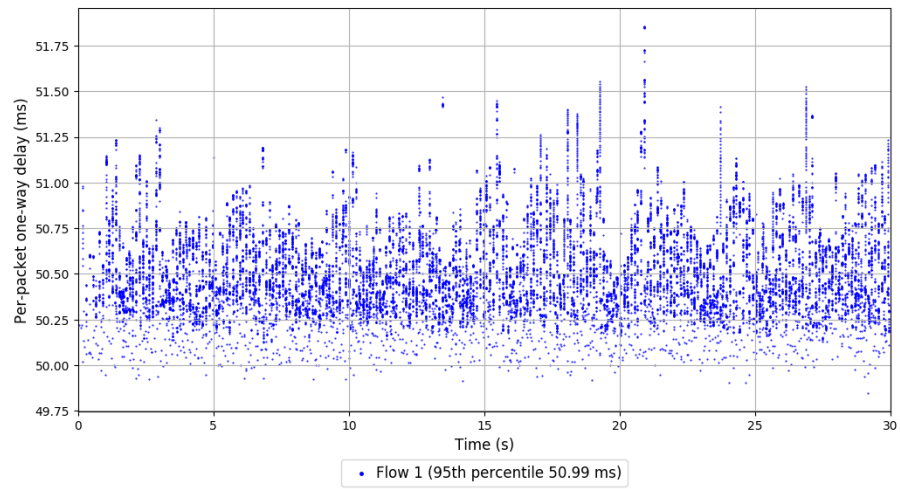
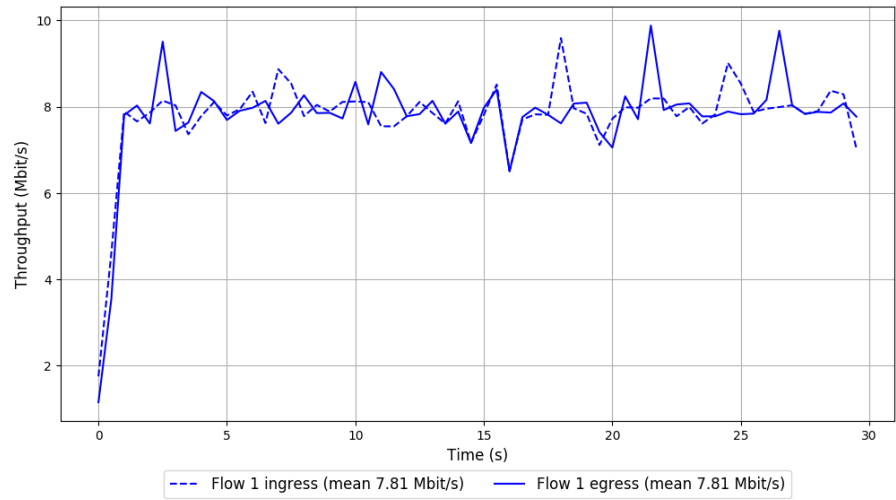
-- Flow 1:

Average throughput: 7.81 Mbit/s

95th percentile per-packet one-way delay: 50.986 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-04-03 10:25:15

End at: 2018-04-03 10:25:45

Below is generated by plot.py at 2018-04-03 14:39:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.82 Mbit/s

95th percentile per-packet one-way delay: 54.547 ms

Loss rate: 0.00%

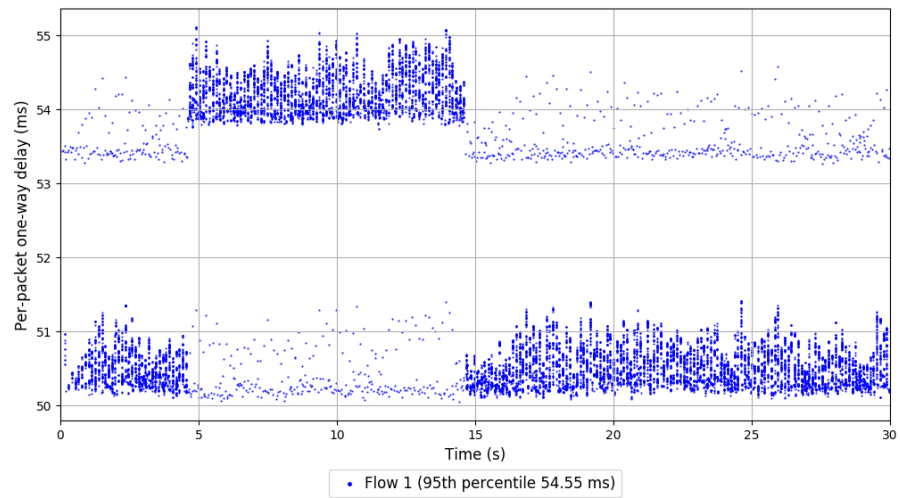
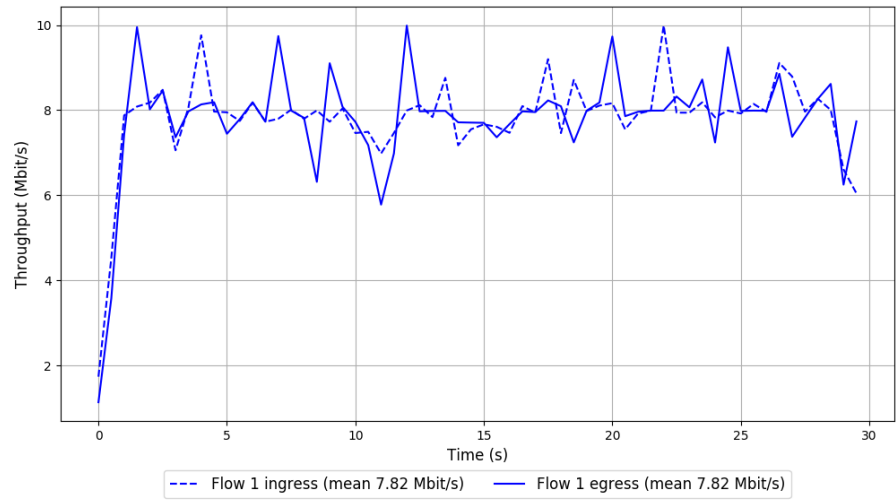
-- Flow 1:

Average throughput: 7.82 Mbit/s

95th percentile per-packet one-way delay: 54.547 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-04-03 10:39:36

End at: 2018-04-03 10:40:06

Below is generated by plot.py at 2018-04-03 14:39:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.81 Mbit/s

95th percentile per-packet one-way delay: 54.320 ms

Loss rate: 0.00%

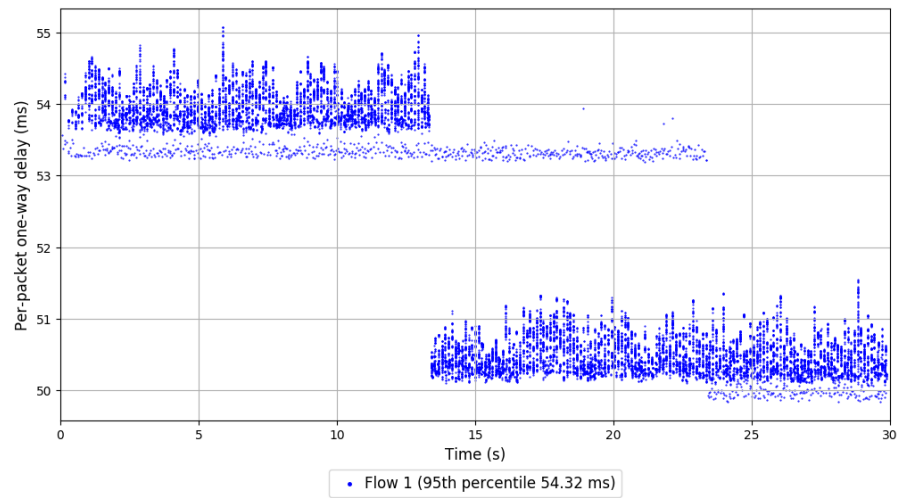
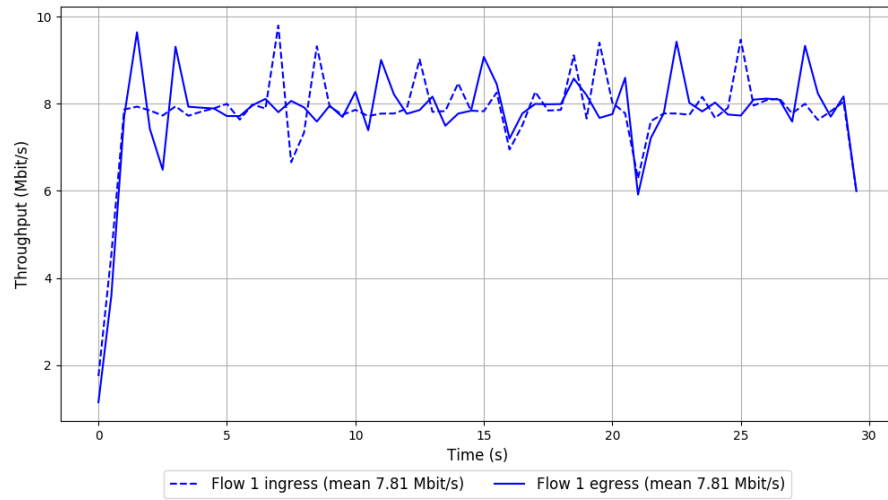
-- Flow 1:

Average throughput: 7.81 Mbit/s

95th percentile per-packet one-way delay: 54.320 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-04-03 10:53:48

End at: 2018-04-03 10:54:18

Below is generated by plot.py at 2018-04-03 14:39:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.96 Mbit/s

95th percentile per-packet one-way delay: 54.423 ms

Loss rate: 0.00%

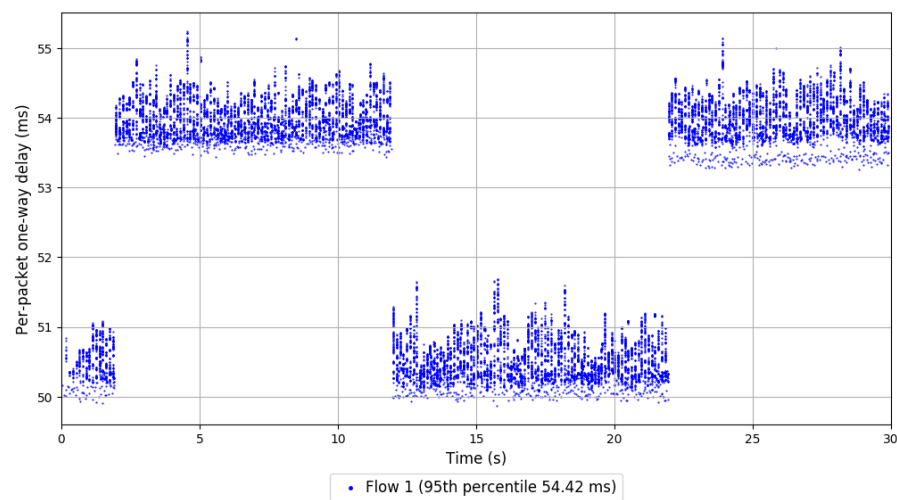
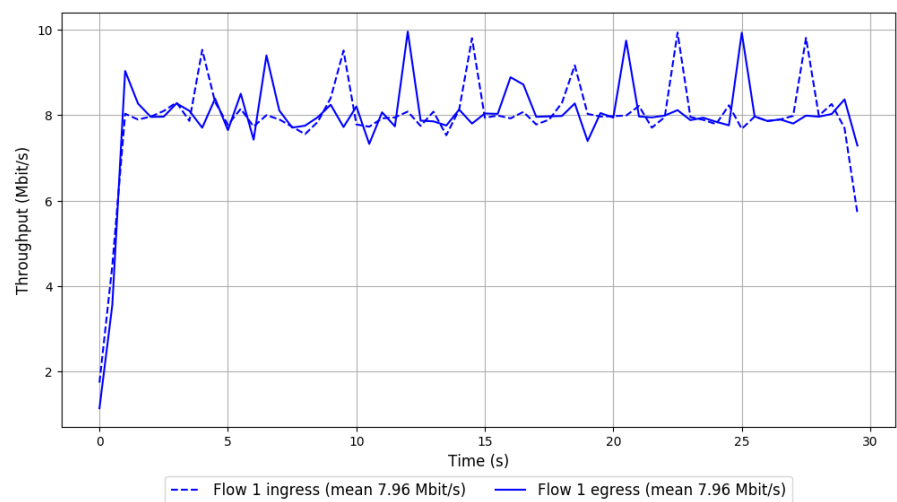
-- Flow 1:

Average throughput: 7.96 Mbit/s

95th percentile per-packet one-way delay: 54.423 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-04-03 11:08:09

End at: 2018-04-03 11:08:39

Below is generated by plot.py at 2018-04-03 14:39:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.66 Mbit/s

95th percentile per-packet one-way delay: 51.123 ms

Loss rate: 0.00%

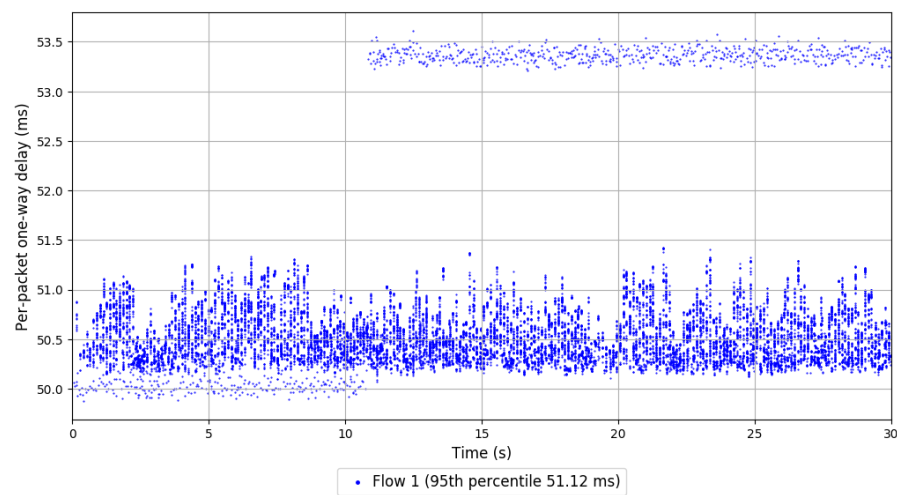
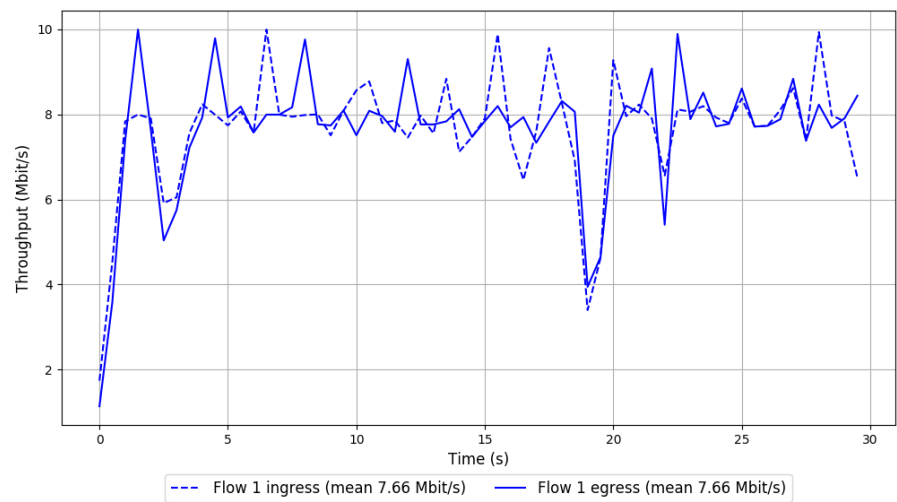
-- Flow 1:

Average throughput: 7.66 Mbit/s

95th percentile per-packet one-way delay: 51.123 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-04-03 11:22:26

End at: 2018-04-03 11:22:56

Below is generated by plot.py at 2018-04-03 14:39:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.93 Mbit/s

95th percentile per-packet one-way delay: 51.084 ms

Loss rate: 0.00%

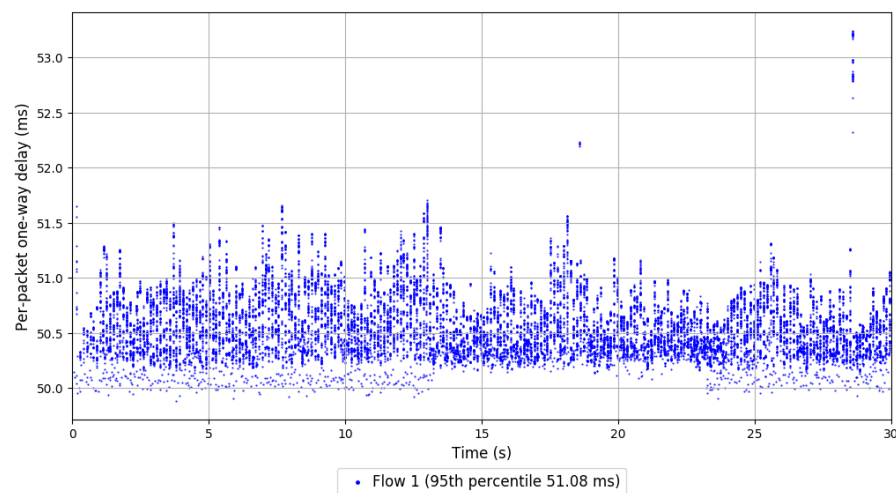
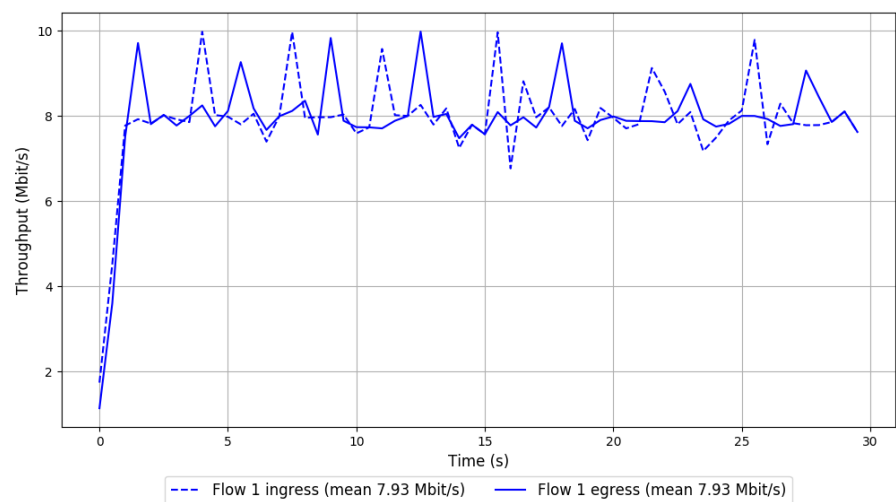
-- Flow 1:

Average throughput: 7.93 Mbit/s

95th percentile per-packet one-way delay: 51.084 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-04-03 11:37:03

End at: 2018-04-03 11:37:33

Below is generated by plot.py at 2018-04-03 14:39:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.85 Mbit/s

95th percentile per-packet one-way delay: 53.749 ms

Loss rate: 0.00%

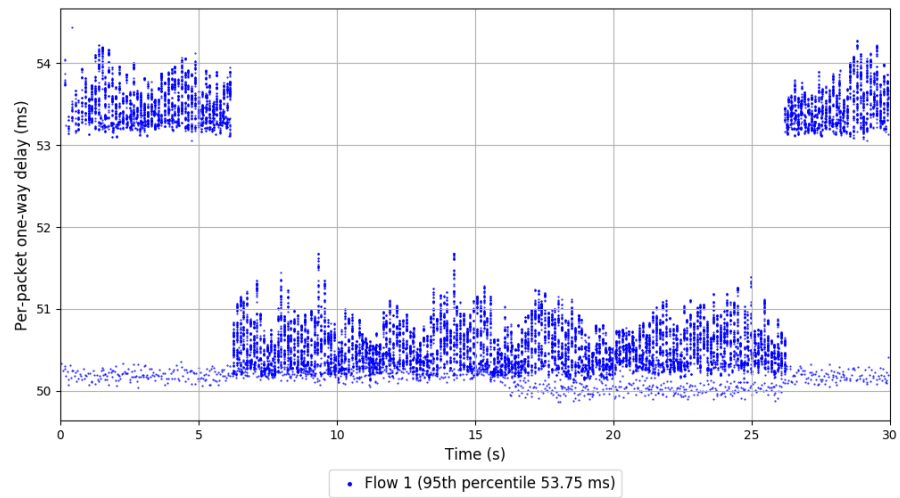
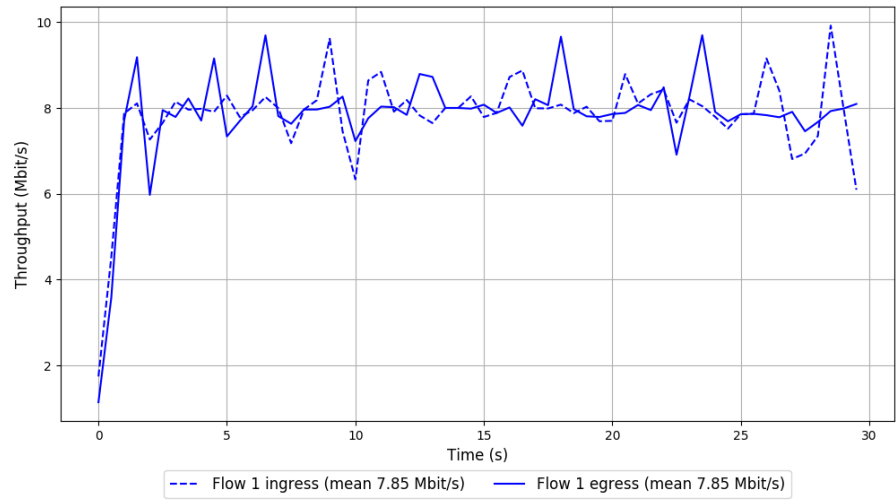
-- Flow 1:

Average throughput: 7.85 Mbit/s

95th percentile per-packet one-way delay: 53.749 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-04-03 11:51:37

End at: 2018-04-03 11:52:07

Below is generated by plot.py at 2018-04-03 14:39:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.76 Mbit/s

95th percentile per-packet one-way delay: 53.722 ms

Loss rate: 0.00%

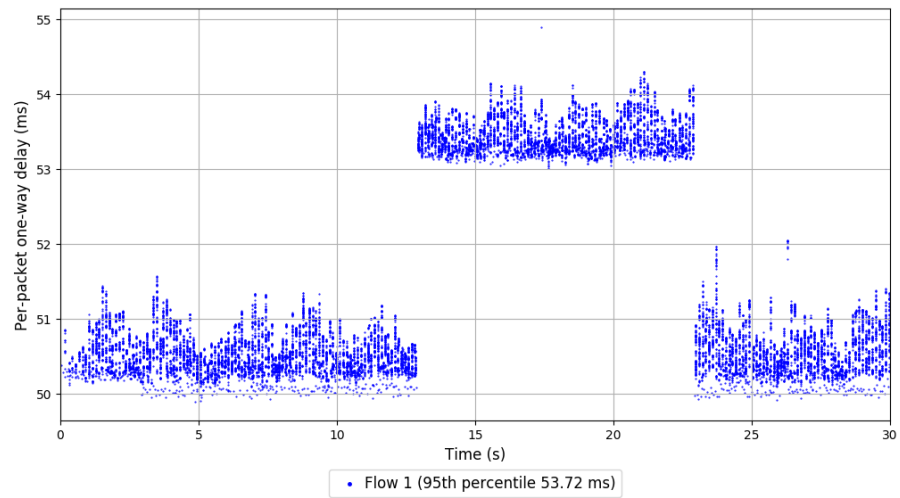
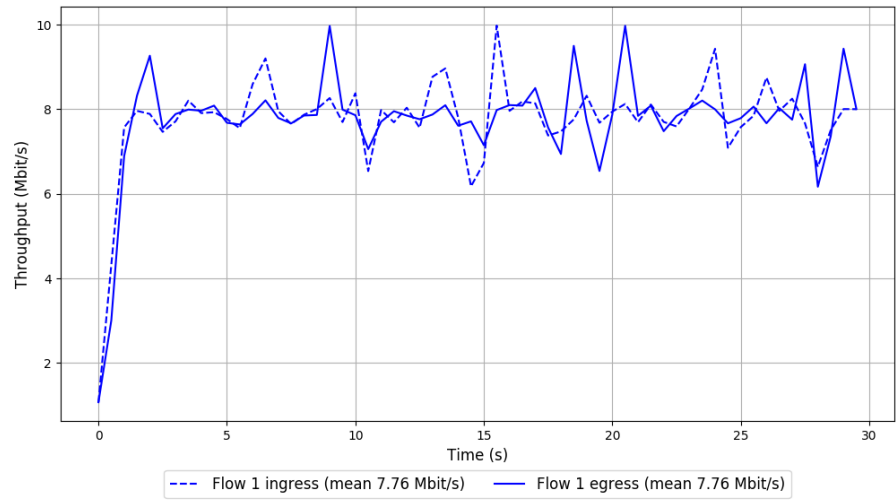
-- Flow 1:

Average throughput: 7.76 Mbit/s

95th percentile per-packet one-way delay: 53.722 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

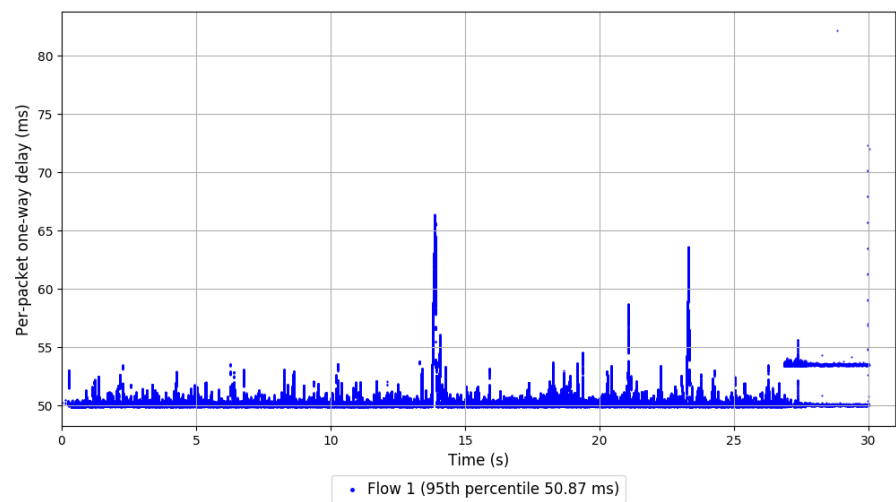
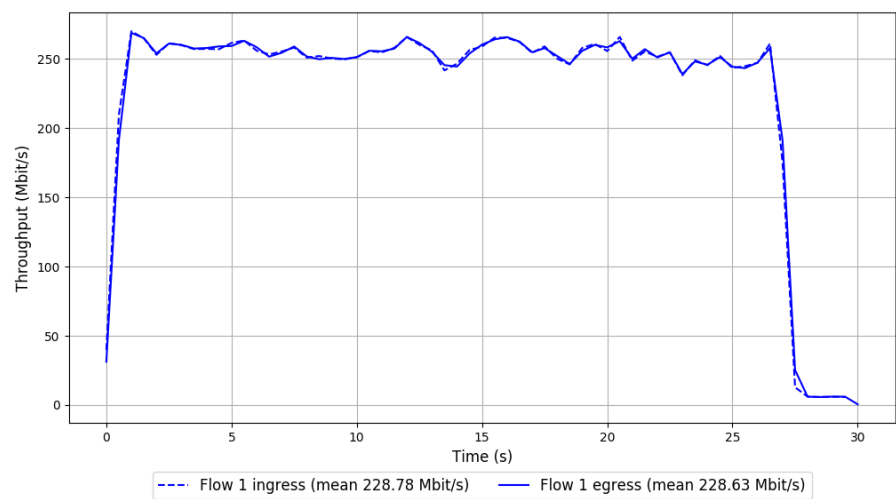


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-04-03 09:47:43
End at: 2018-04-03 09:48:13

# Below is generated by plot.py at 2018-04-03 14:39:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 228.63 Mbit/s
95th percentile per-packet one-way delay: 50.868 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 228.63 Mbit/s
95th percentile per-packet one-way delay: 50.868 ms
Loss rate: 0.00%
```

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

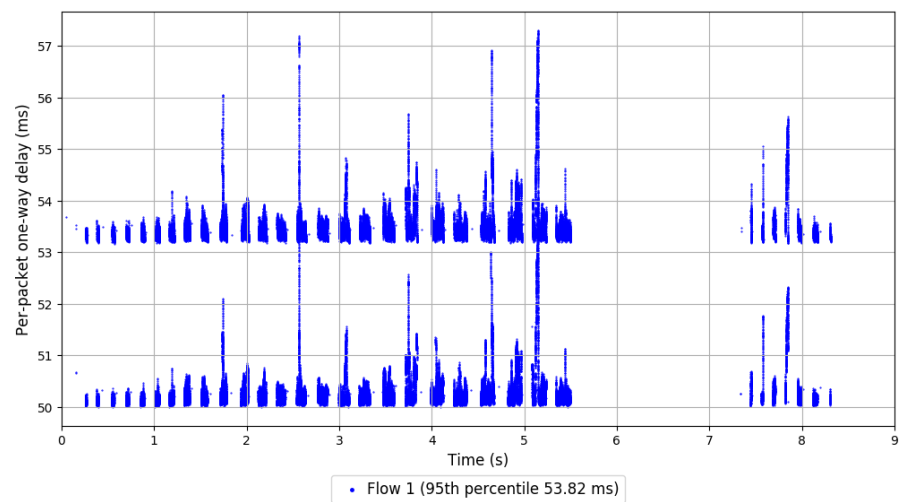
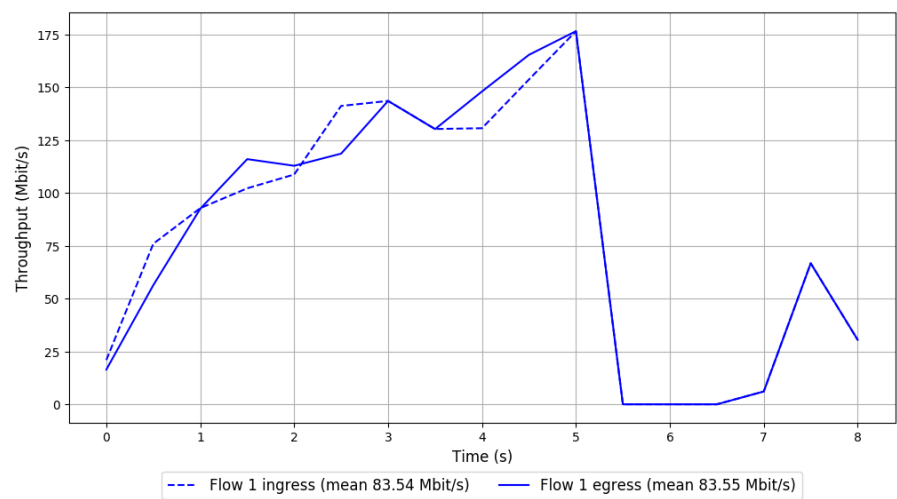


Run 2: Statistics of TaoVA-100x

Start at: 2018-04-03 10:02:20

End at: 2018-04-03 10:02:50

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

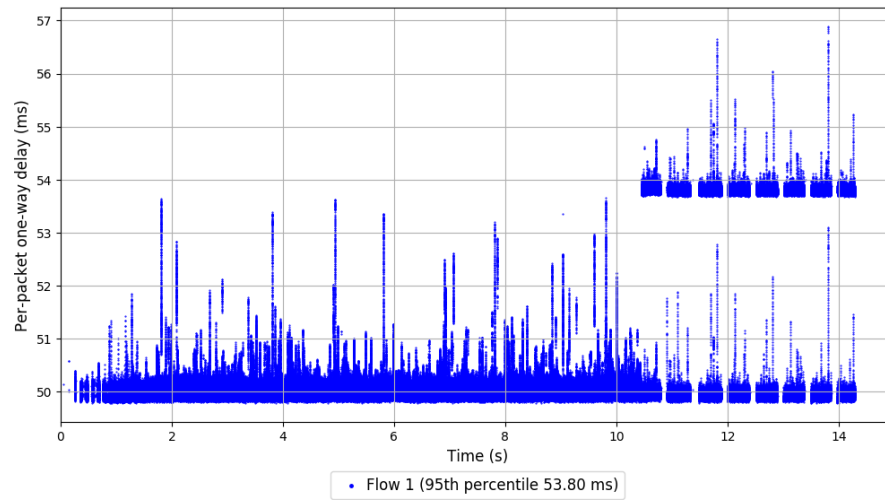
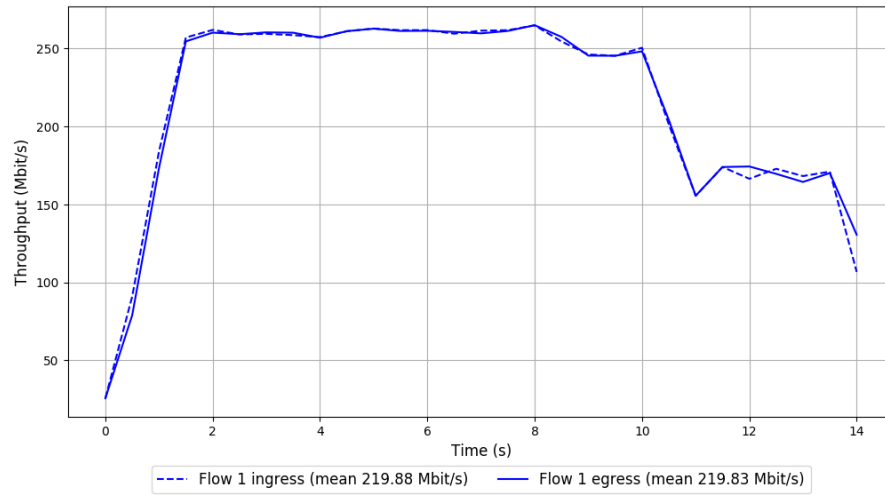


Run 3: Statistics of TaoVA-100x

Start at: 2018-04-03 10:16:39

End at: 2018-04-03 10:17:09

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

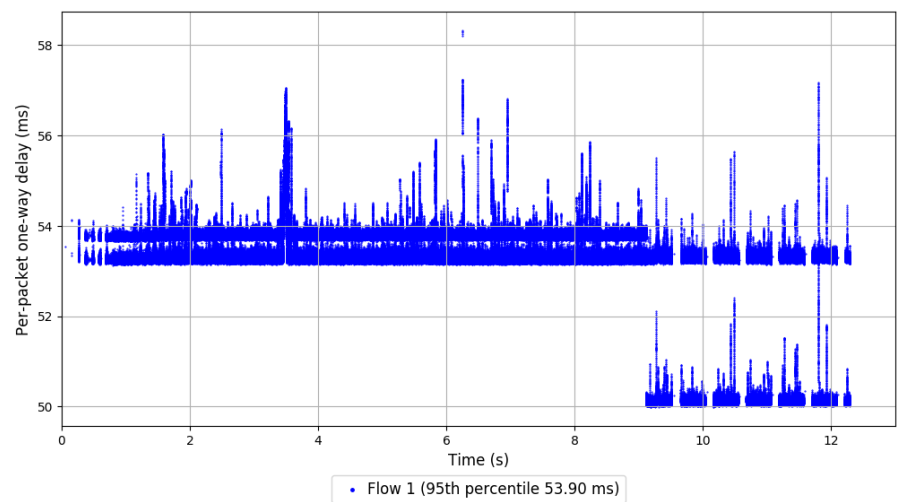
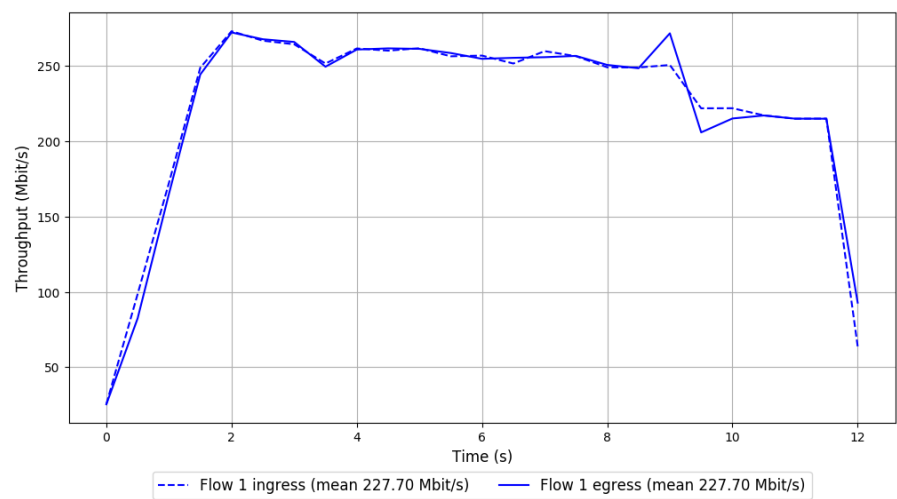


Run 4: Statistics of TaoVA-100x

Start at: 2018-04-03 10:31:01

End at: 2018-04-03 10:31:31

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

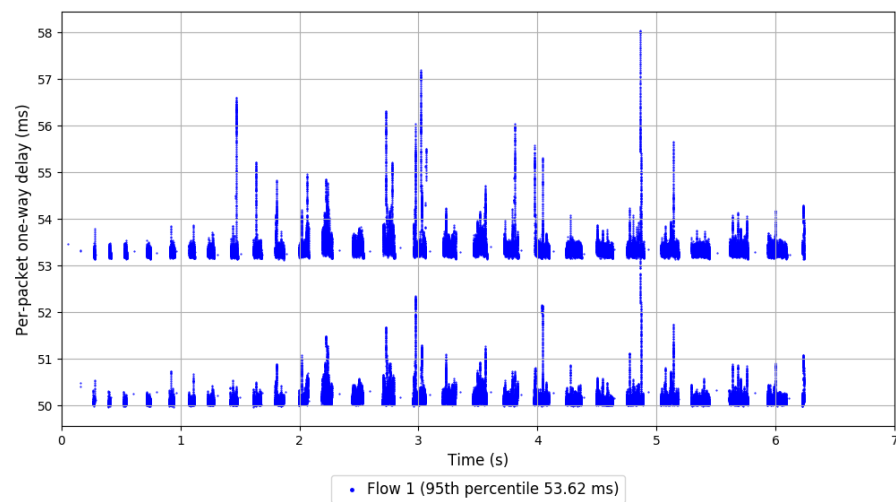
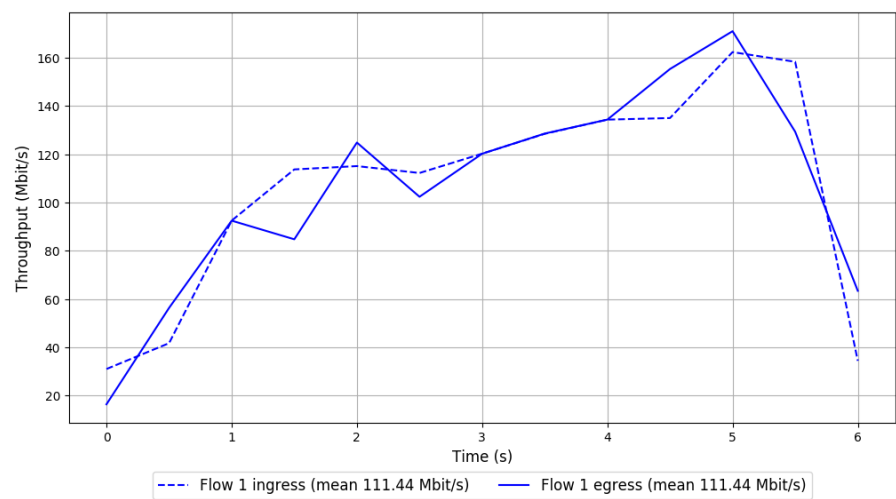


Run 5: Statistics of TaoVA-100x

Start at: 2018-04-03 10:45:21

End at: 2018-04-03 10:45:51

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

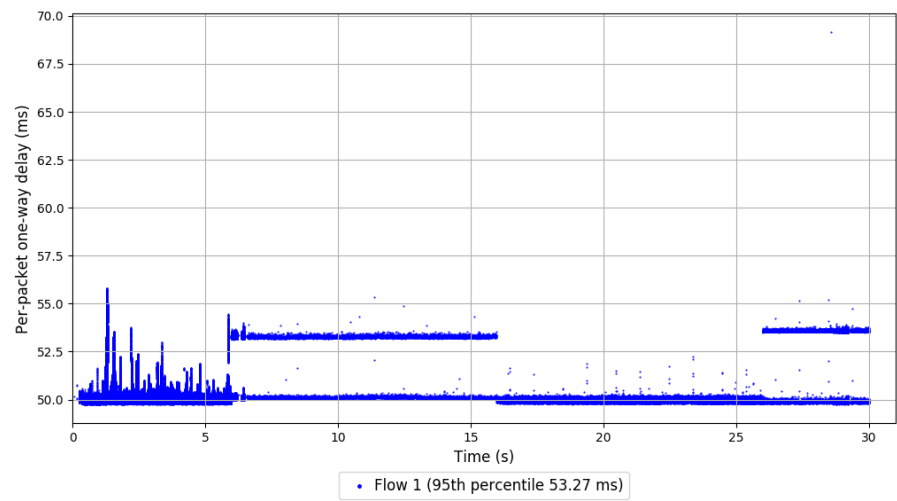
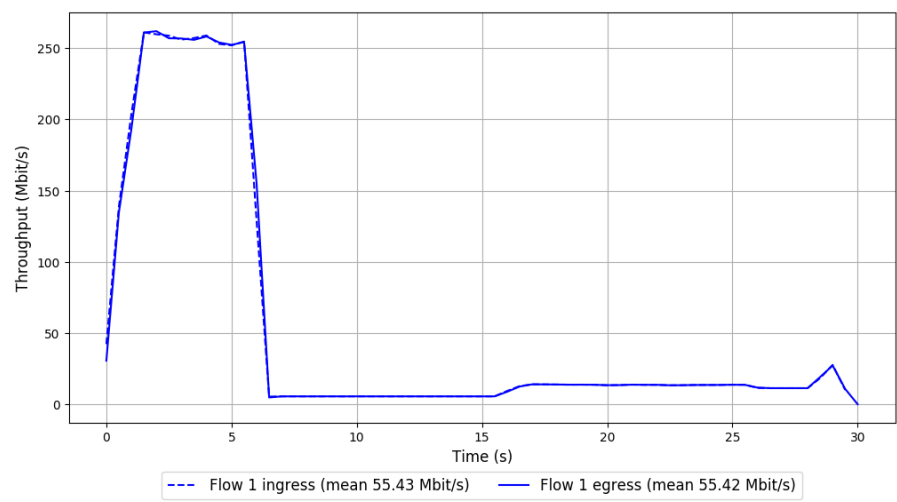


```
Run 6: Statistics of TaoVA-100x

Start at: 2018-04-03 10:59:34
End at: 2018-04-03 11:00:04

# Below is generated by plot.py at 2018-04-03 14:39:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.42 Mbit/s
95th percentile per-packet one-way delay: 53.265 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.42 Mbit/s
95th percentile per-packet one-way delay: 53.265 ms
Loss rate: 0.00%
```

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-04-03 11:13:55

End at: 2018-04-03 11:14:25

Below is generated by plot.py at 2018-04-03 14:39:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.01 Mbit/s

95th percentile per-packet one-way delay: 53.678 ms

Loss rate: 0.00%

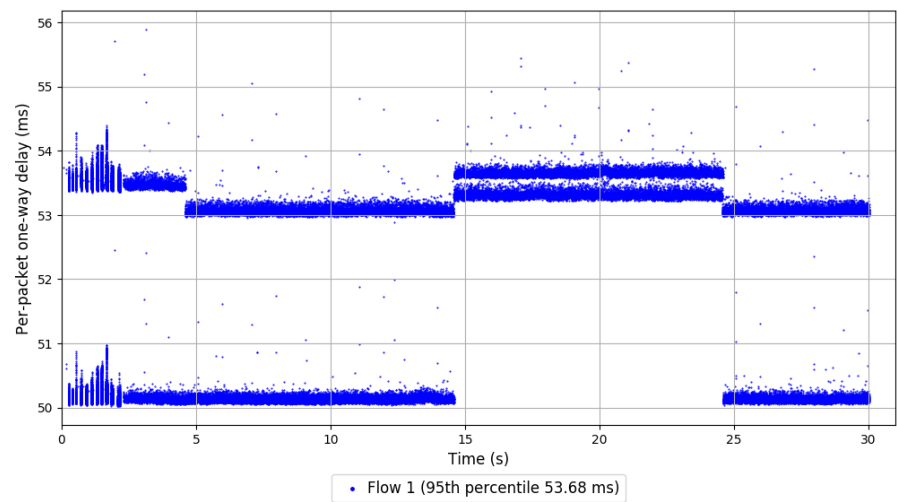
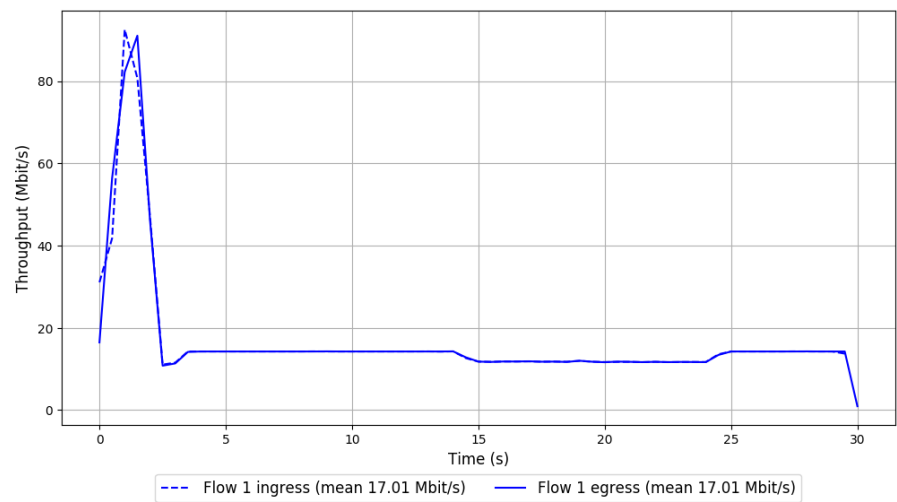
-- Flow 1:

Average throughput: 17.01 Mbit/s

95th percentile per-packet one-way delay: 53.678 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-04-03 11:28:09

End at: 2018-04-03 11:28:39

Below is generated by plot.py at 2018-04-03 14:39:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.66 Mbit/s

95th percentile per-packet one-way delay: 50.439 ms

Loss rate: 0.00%

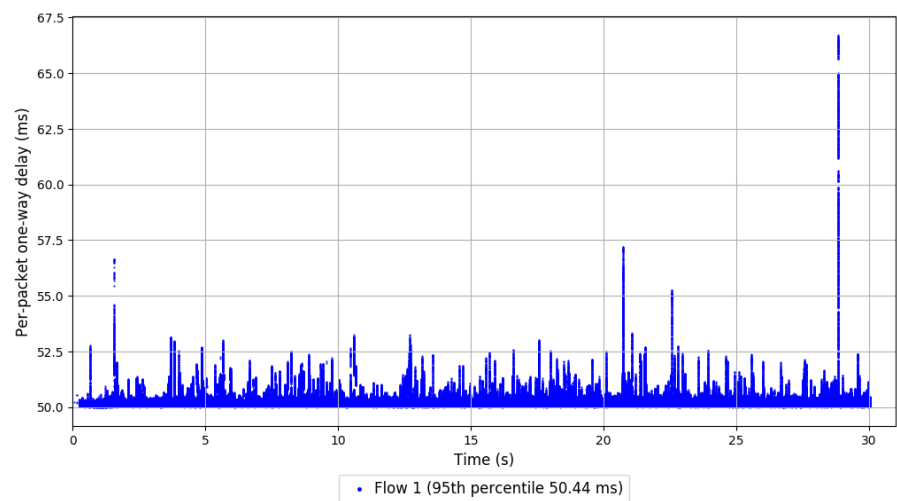
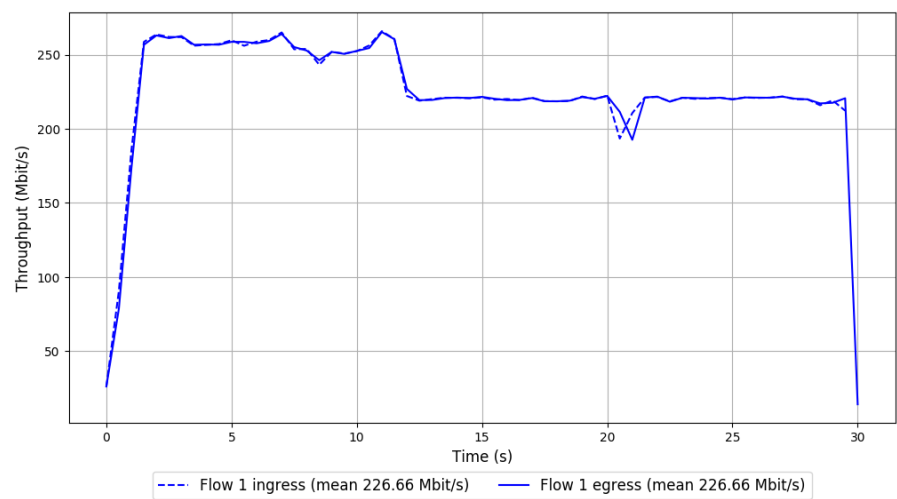
-- Flow 1:

Average throughput: 226.66 Mbit/s

95th percentile per-packet one-way delay: 50.439 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-04-03 11:42:47

End at: 2018-04-03 11:43:17

Below is generated by plot.py at 2018-04-03 14:39:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 169.15 Mbit/s

95th percentile per-packet one-way delay: 50.275 ms

Loss rate: 0.00%

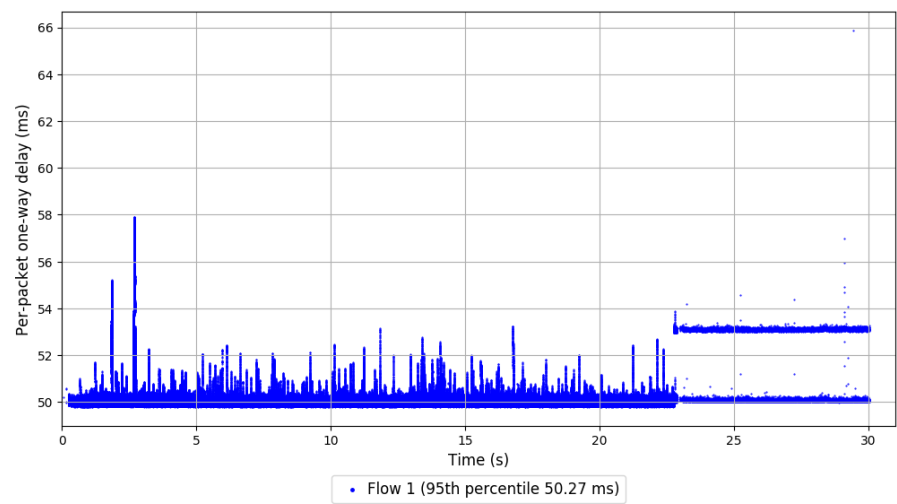
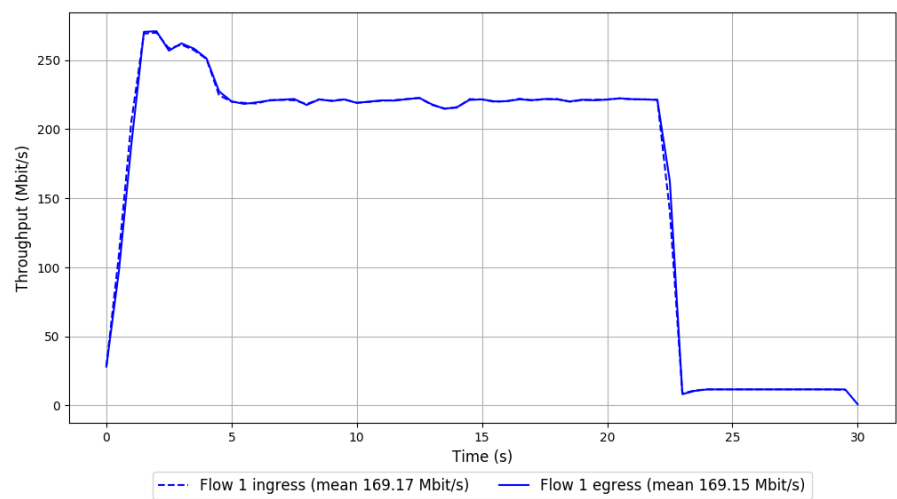
-- Flow 1:

Average throughput: 169.15 Mbit/s

95th percentile per-packet one-way delay: 50.275 ms

Loss rate: 0.00%

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

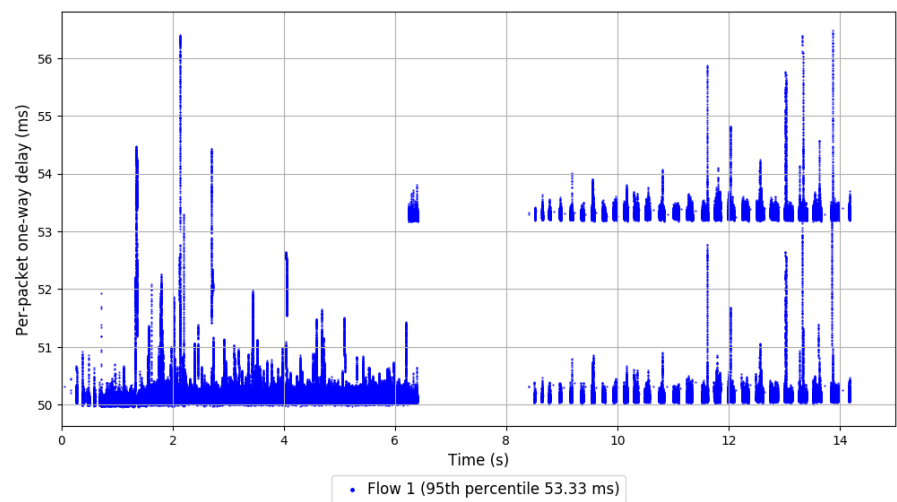
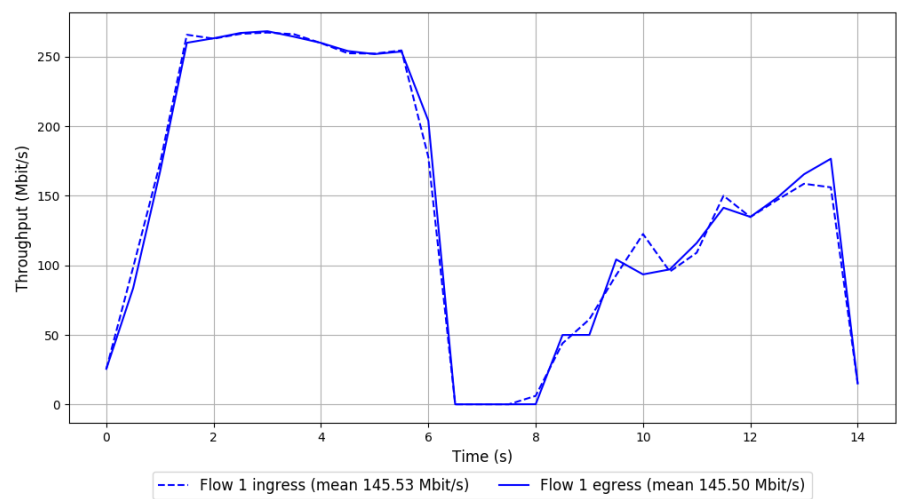


Run 10: Statistics of TaoVA-100x

Start at: 2018-04-03 11:57:23

End at: 2018-04-03 11:57:53

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



Run 1: Statistics of TCP Vegas

Start at: 2018-04-03 09:49:16

End at: 2018-04-03 09:49:46

Below is generated by plot.py at 2018-04-03 14:39:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.96 Mbit/s

95th percentile per-packet one-way delay: 51.147 ms

Loss rate: 0.00%

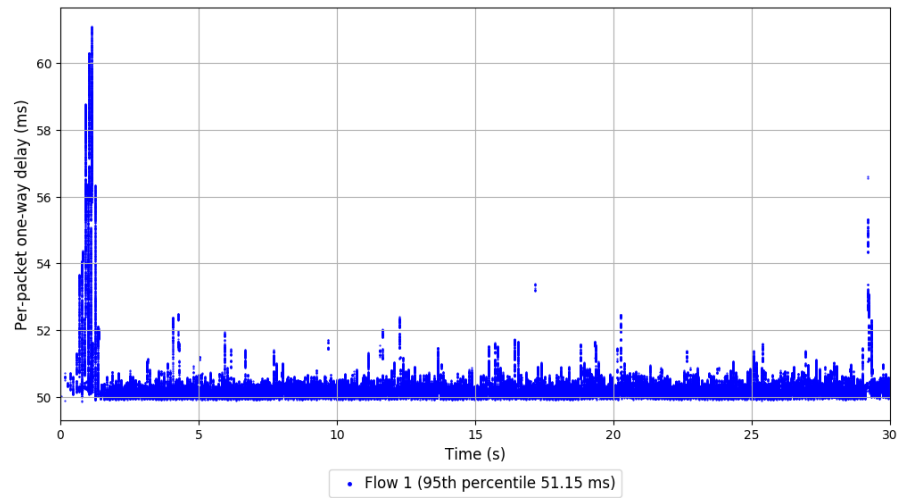
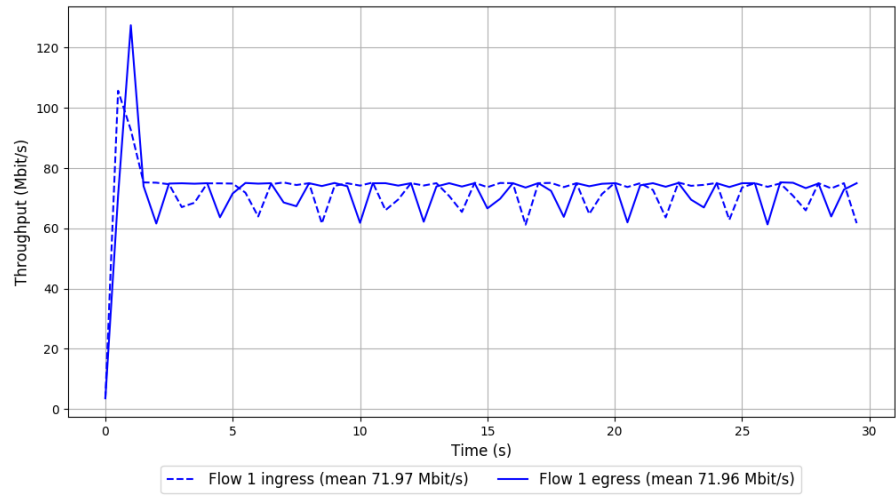
-- Flow 1:

Average throughput: 71.96 Mbit/s

95th percentile per-packet one-way delay: 51.147 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-04-03 10:03:36

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

Below is generated by plot.py at 2018-04-03 14:39:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 152.75 Mbit/s

95th percentile per-packet one-way delay: 51.459 ms

Loss rate: 0.00%

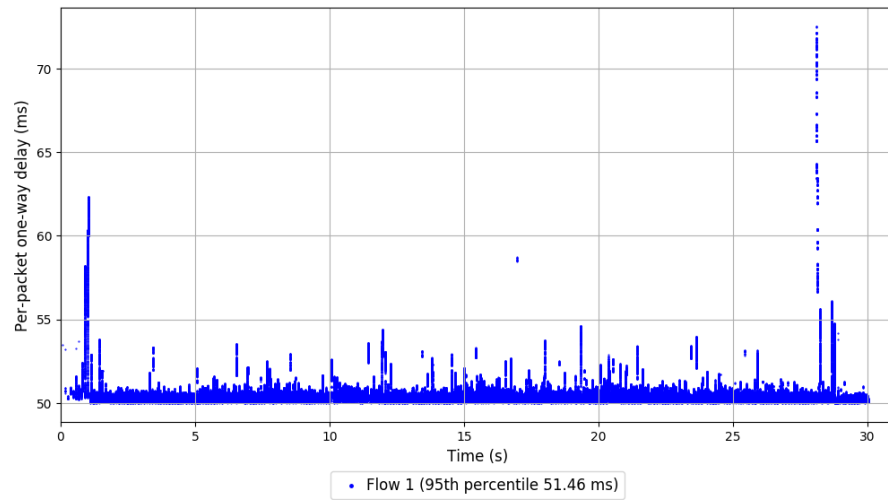
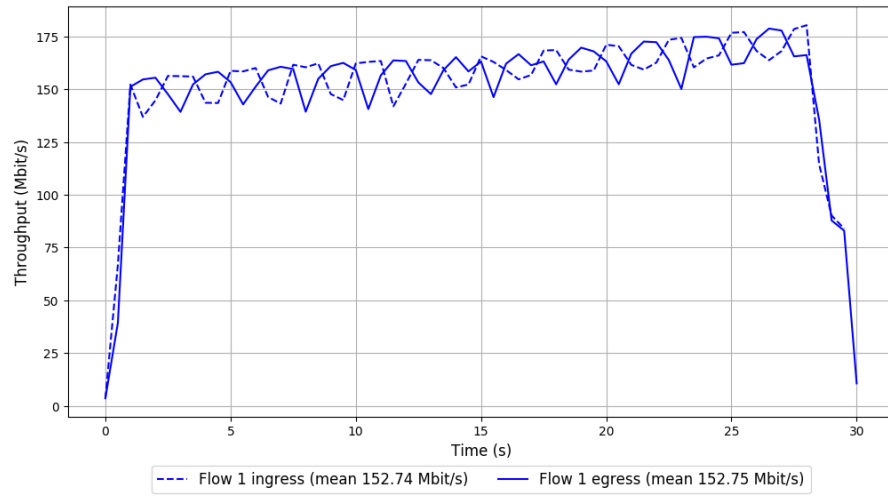
-- Flow 1:

Average throughput: 152.75 Mbit/s

95th percentile per-packet one-way delay: 51.459 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-04-03 10:18:01

End at: 2018-04-03 10:18:31

Below is generated by plot.py at 2018-04-03 14:39:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 167.49 Mbit/s

95th percentile per-packet one-way delay: 50.757 ms

Loss rate: 0.00%

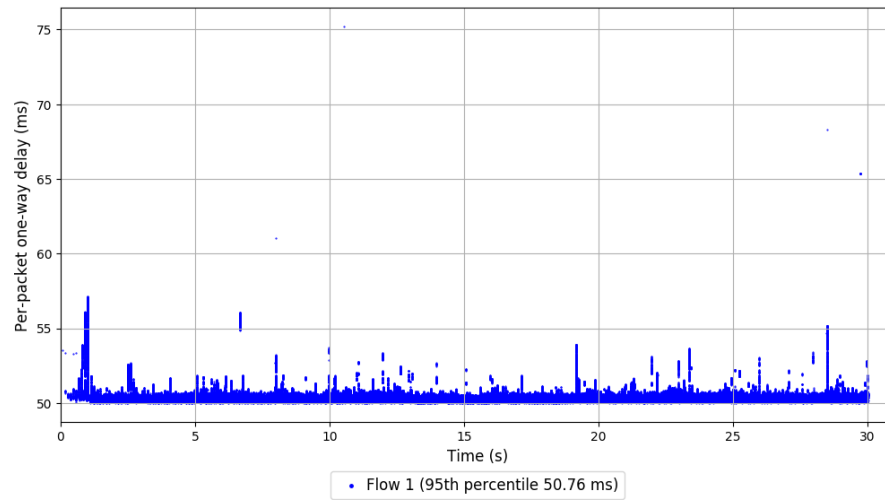
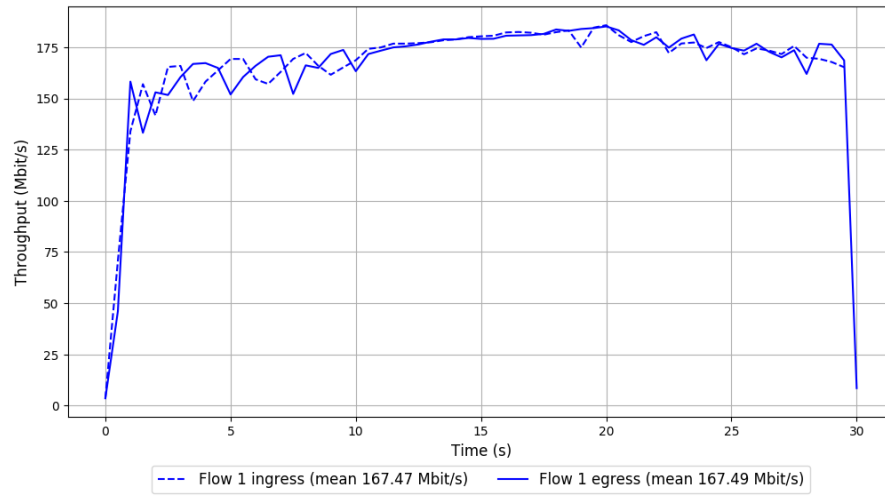
-- Flow 1:

Average throughput: 167.49 Mbit/s

95th percentile per-packet one-way delay: 50.757 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-04-03 10:32:22

End at: 2018-04-03 10:32:52

Below is generated by plot.py at 2018-04-03 14:39:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 146.96 Mbit/s

95th percentile per-packet one-way delay: 50.815 ms

Loss rate: 0.00%

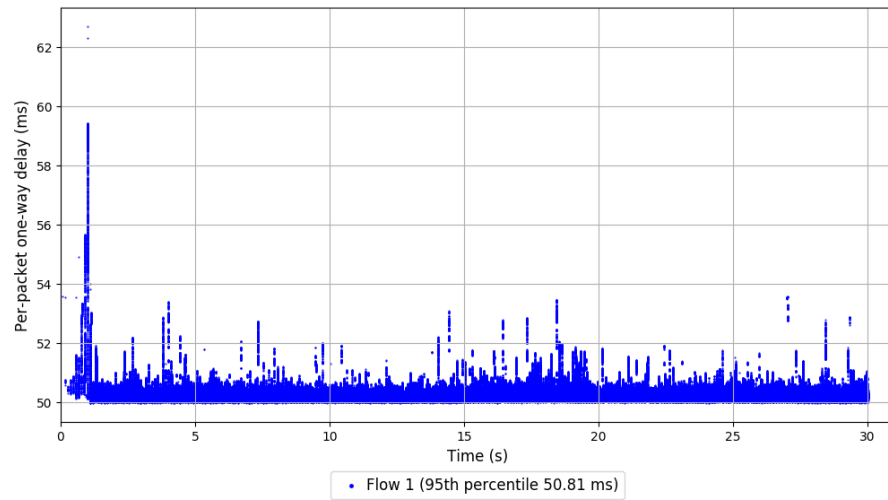
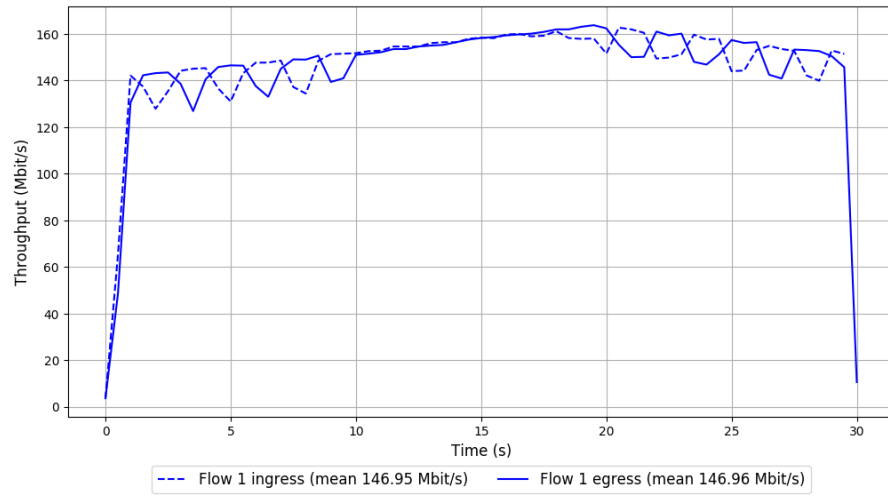
-- Flow 1:

Average throughput: 146.96 Mbit/s

95th percentile per-packet one-way delay: 50.815 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-04-03 10:46:36

End at: 2018-04-03 10:47:06

Below is generated by plot.py at 2018-04-03 14:39:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.75 Mbit/s

95th percentile per-packet one-way delay: 54.248 ms

Loss rate: 0.00%

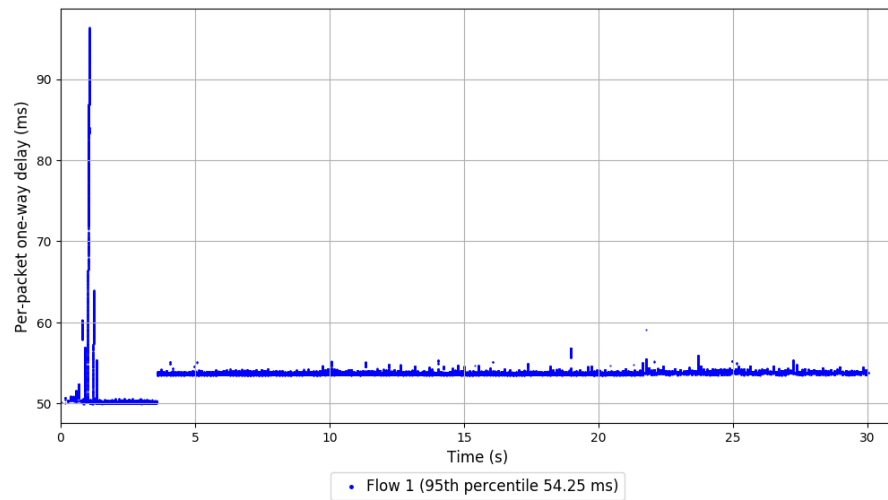
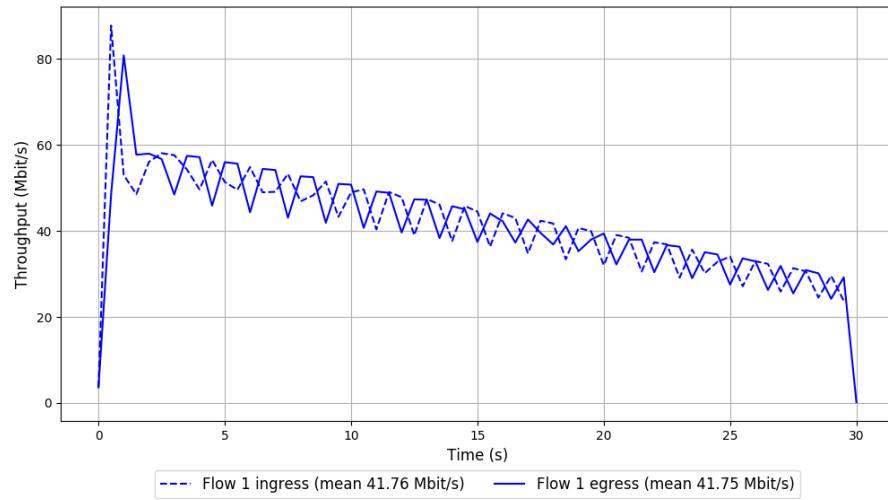
-- Flow 1:

Average throughput: 41.75 Mbit/s

95th percentile per-packet one-way delay: 54.248 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-04-03 11:00:52

End at: 2018-04-03 11:01:22

Below is generated by plot.py at 2018-04-03 14:39:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.79 Mbit/s

95th percentile per-packet one-way delay: 54.314 ms

Loss rate: 0.00%

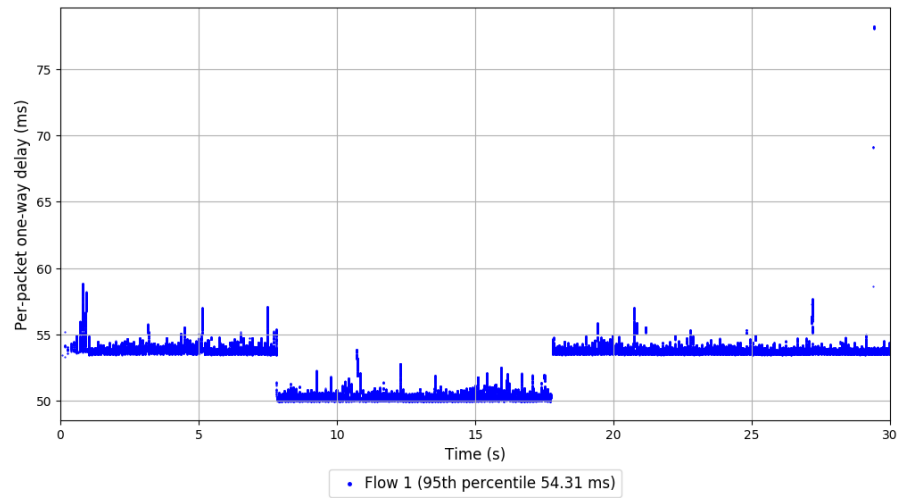
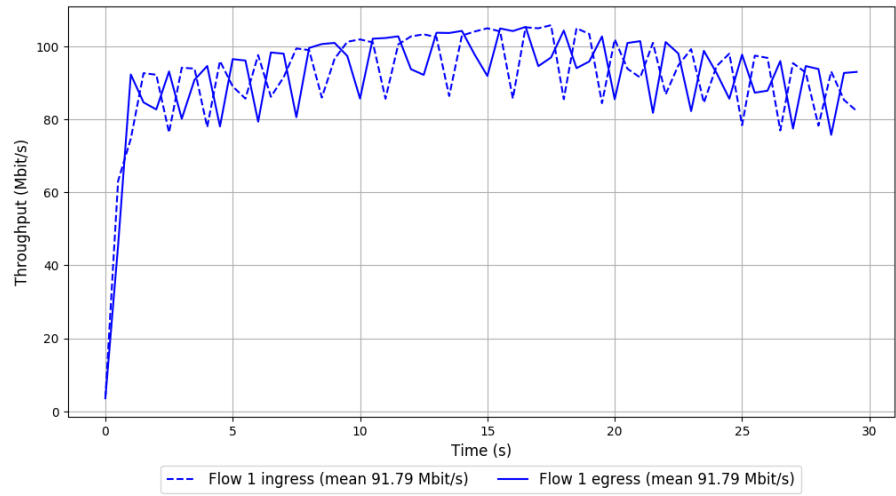
-- Flow 1:

Average throughput: 91.79 Mbit/s

95th percentile per-packet one-way delay: 54.314 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-04-03 11:15:10

End at: 2018-04-03 11:15:40

Below is generated by plot.py at 2018-04-03 14:42:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.96 Mbit/s

95th percentile per-packet one-way delay: 61.378 ms

Loss rate: 0.00%

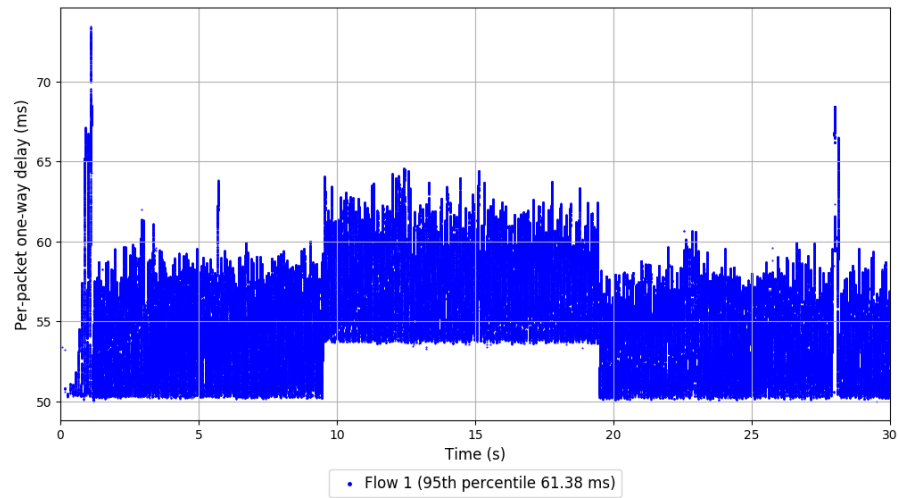
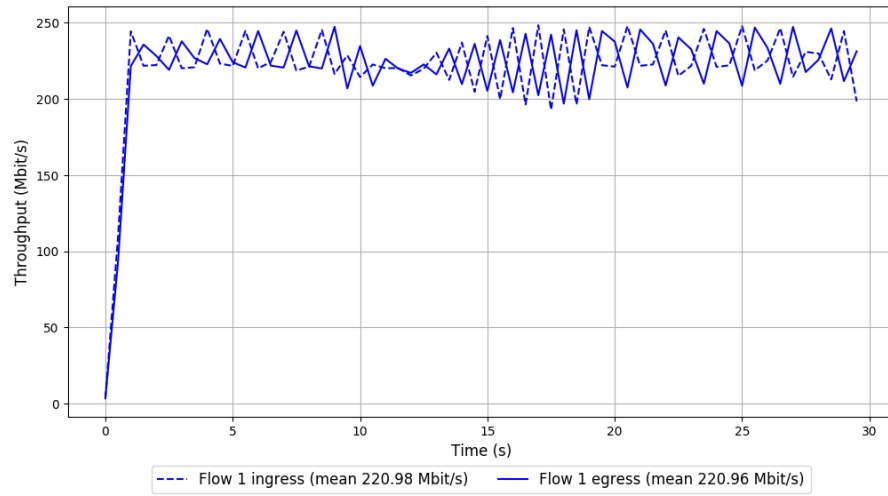
-- Flow 1:

Average throughput: 220.96 Mbit/s

95th percentile per-packet one-way delay: 61.378 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-04-03 11:29:42

End at: 2018-04-03 11:30:12

Below is generated by plot.py at 2018-04-03 14:42:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 27.26 Mbit/s

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

Loss rate: 0.00%

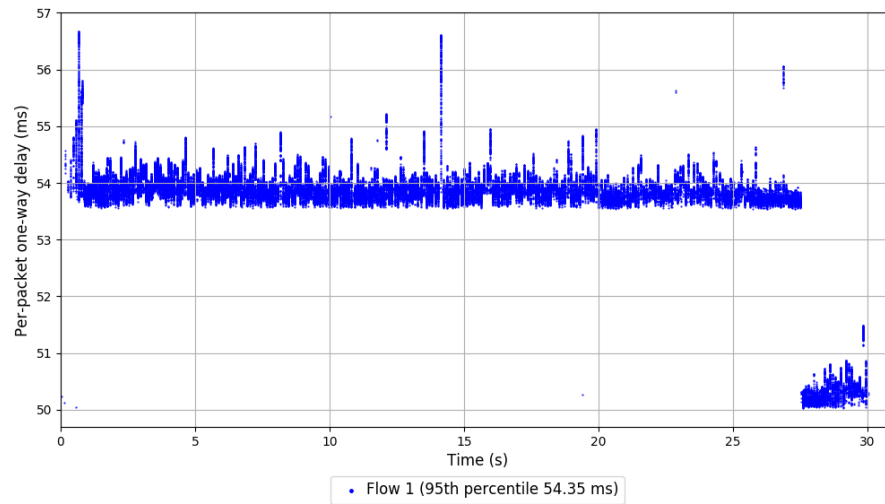
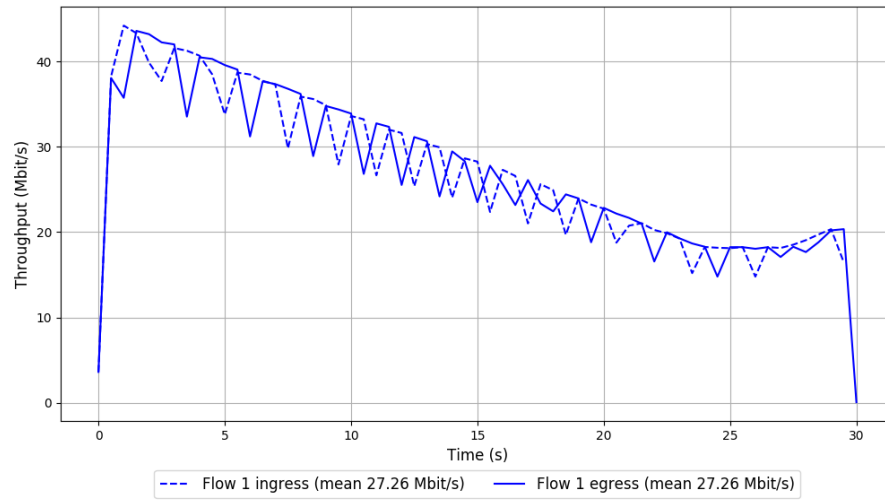
-- Flow 1:

Average throughput: 27.26 Mbit/s

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

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-04-03 11:44:15

End at: 2018-04-03 11:44:45

Below is generated by plot.py at 2018-04-03 14:43:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.23 Mbit/s

95th percentile per-packet one-way delay: 59.965 ms

Loss rate: 0.00%

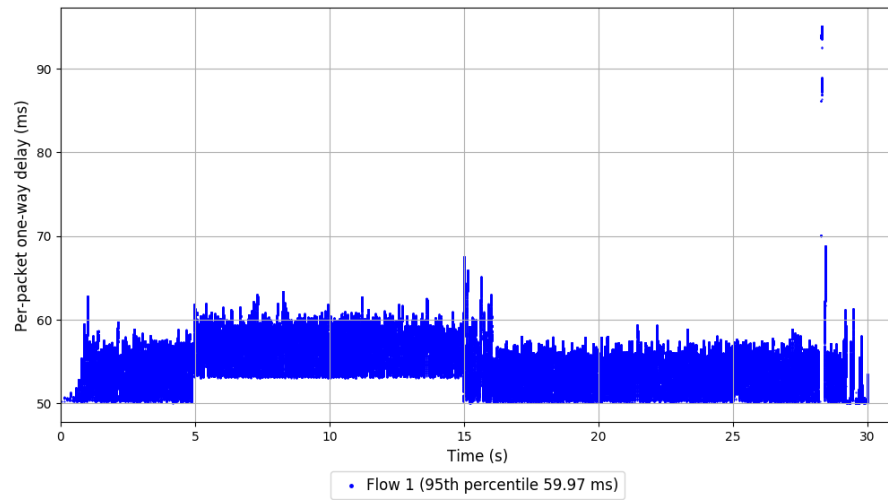
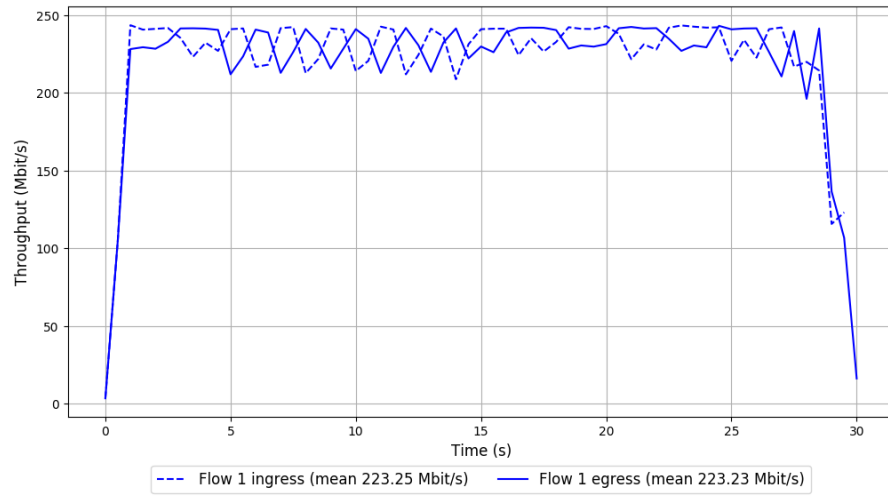
-- Flow 1:

Average throughput: 223.23 Mbit/s

95th percentile per-packet one-way delay: 59.965 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-04-03 11:58:42

End at: 2018-04-03 11:59:12

Below is generated by plot.py at 2018-04-03 14:43:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.19 Mbit/s

95th percentile per-packet one-way delay: 57.302 ms

Loss rate: 0.00%

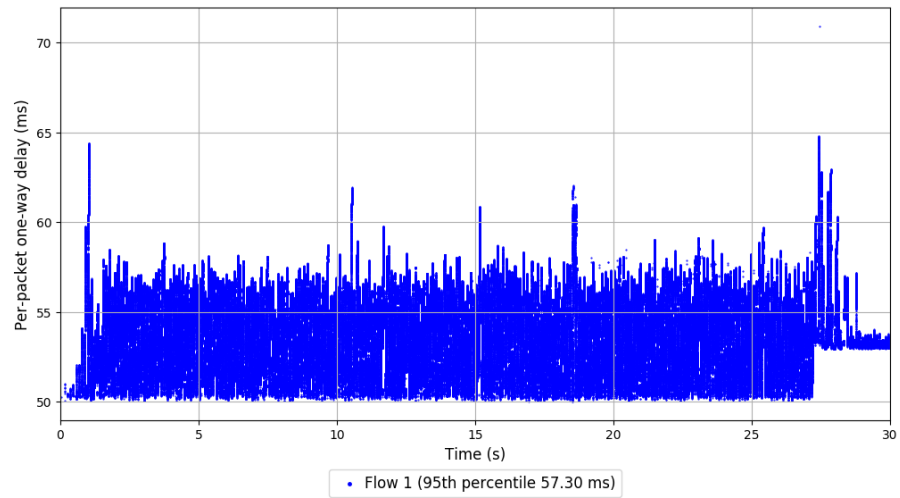
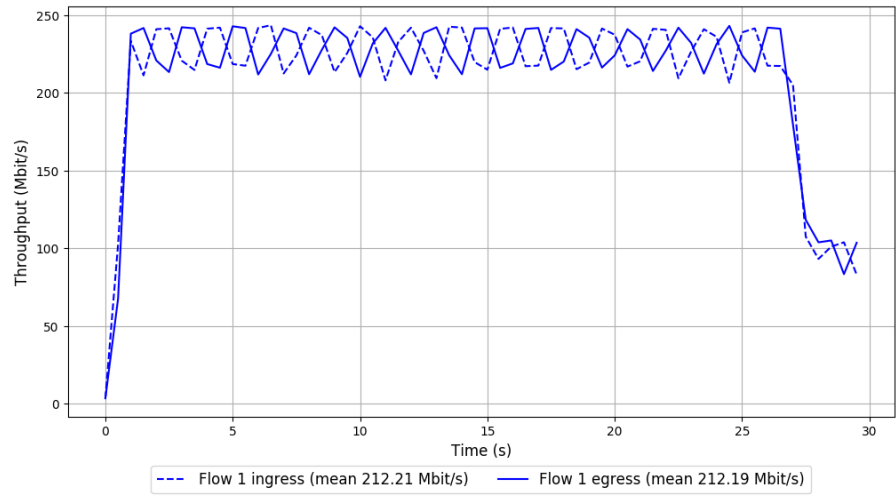
-- Flow 1:

Average throughput: 212.19 Mbit/s

95th percentile per-packet one-way delay: 57.302 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-04-03 09:43:09

End at: 2018-04-03 09:43:39

Below is generated by plot.py at 2018-04-03 14:44:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 258.82 Mbit/s

95th percentile per-packet one-way delay: 70.216 ms

Loss rate: 0.16%

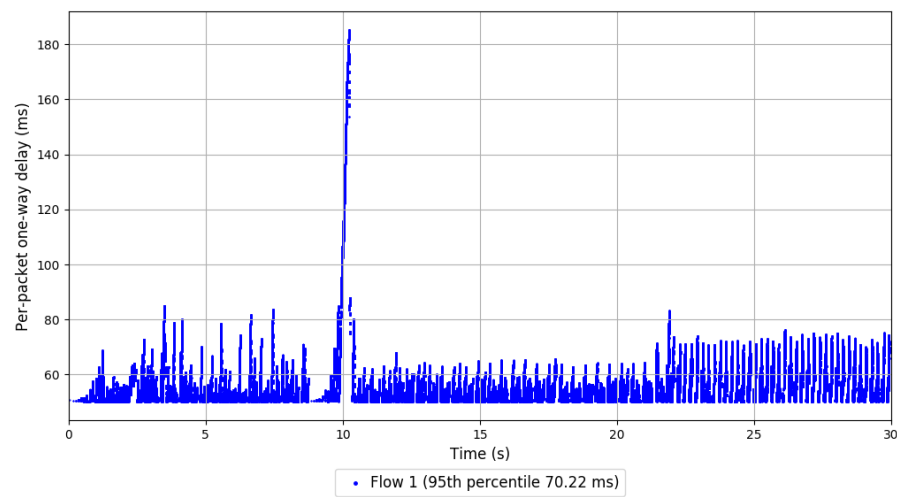
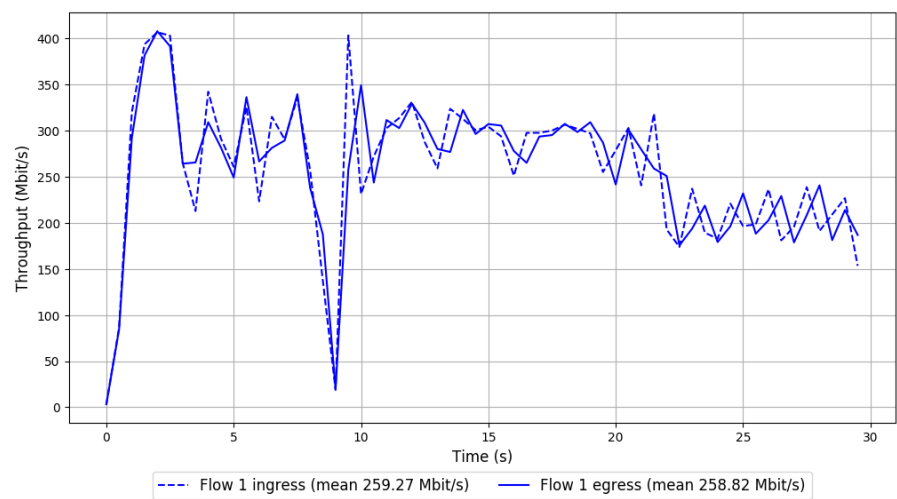
-- Flow 1:

Average throughput: 258.82 Mbit/s

95th percentile per-packet one-way delay: 70.216 ms

Loss rate: 0.16%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-04-03 09:57:52

End at: 2018-04-03 09:58:22

Below is generated by plot.py at 2018-04-03 14:44:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 201.68 Mbit/s

95th percentile per-packet one-way delay: 71.676 ms

Loss rate: 0.00%

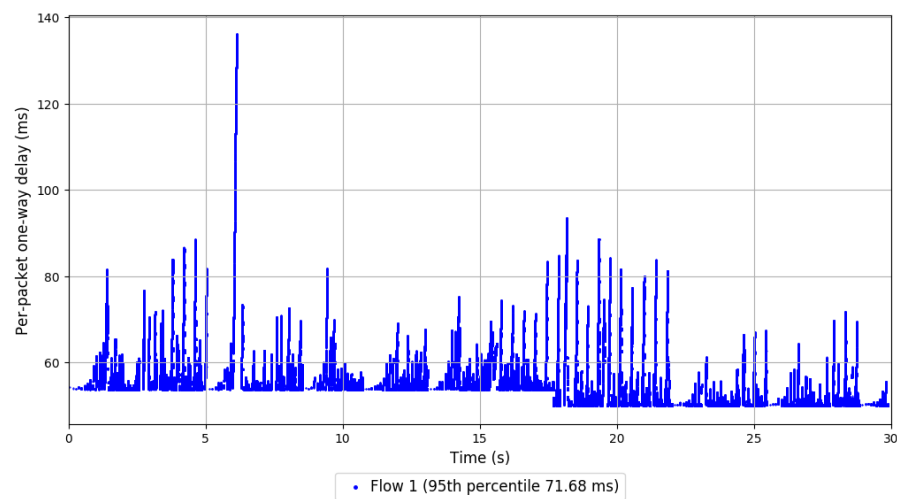
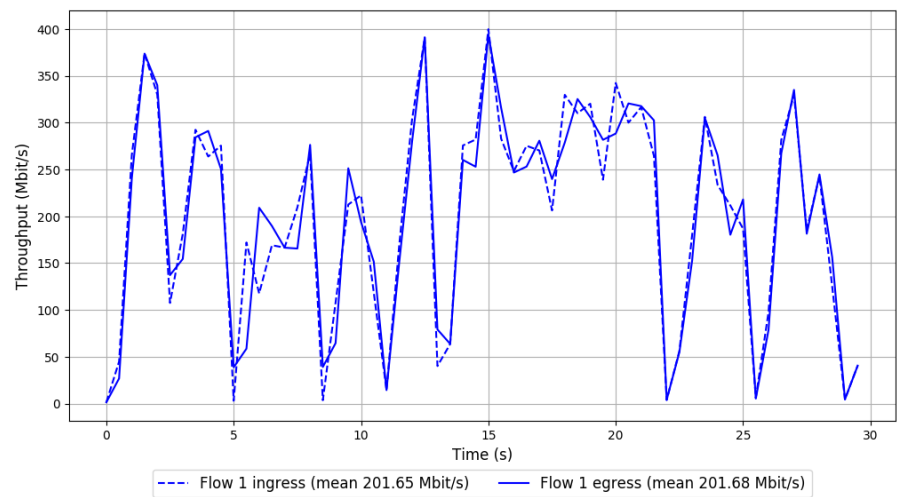
-- Flow 1:

Average throughput: 201.68 Mbit/s

95th percentile per-packet one-way delay: 71.676 ms

Loss rate: 0.00%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-04-03 10:12:10

End at: 2018-04-03 10:12:40

Below is generated by plot.py at 2018-04-03 14:44:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 266.30 Mbit/s

95th percentile per-packet one-way delay: 191.359 ms

Loss rate: 0.72%

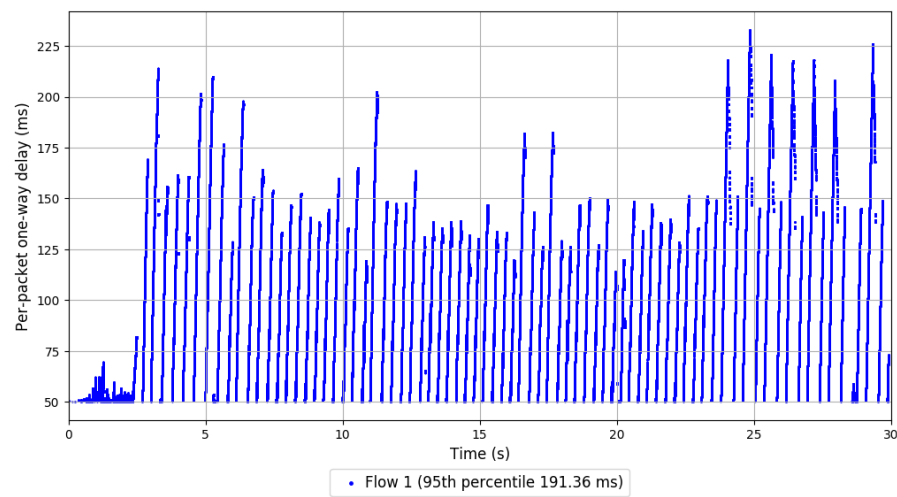
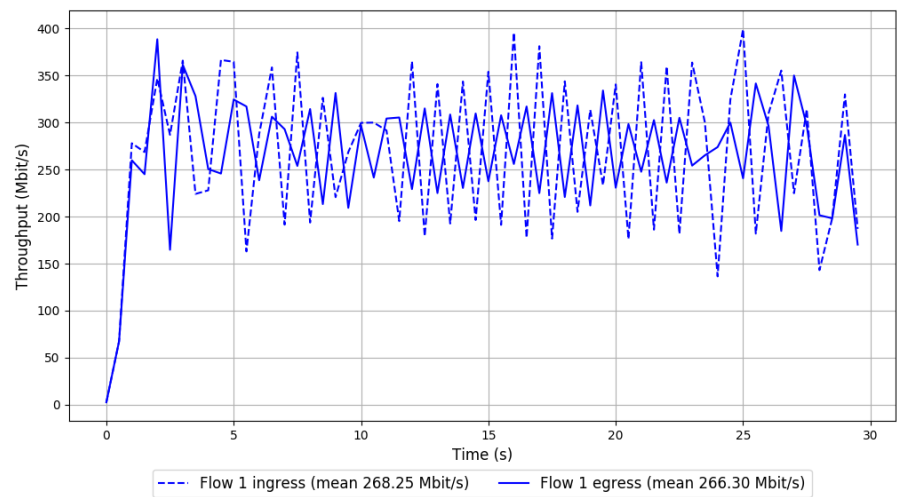
-- Flow 1:

Average throughput: 266.30 Mbit/s

95th percentile per-packet one-way delay: 191.359 ms

Loss rate: 0.72%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-04-03 10:26:32

End at: 2018-04-03 10:27:02

Below is generated by plot.py at 2018-04-03 14:44:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 236.23 Mbit/s

95th percentile per-packet one-way delay: 77.400 ms

Loss rate: 1.02%

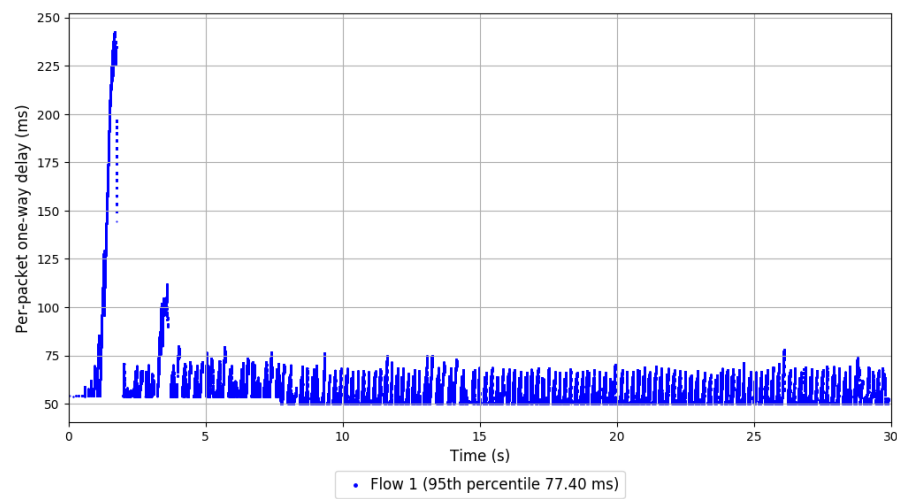
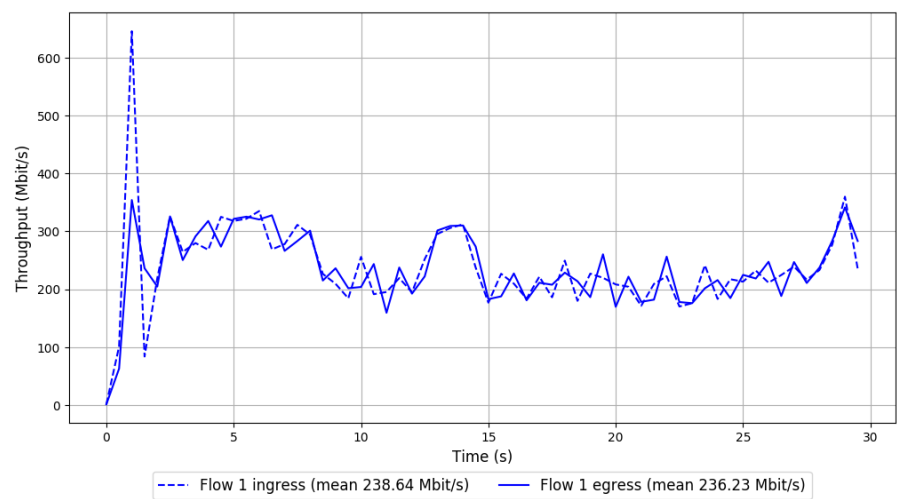
-- Flow 1:

Average throughput: 236.23 Mbit/s

95th percentile per-packet one-way delay: 77.400 ms

Loss rate: 1.02%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-04-03 10:40:53

End at: 2018-04-03 10:41:23

Below is generated by plot.py at 2018-04-03 14:44:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.99 Mbit/s

95th percentile per-packet one-way delay: 77.553 ms

Loss rate: 0.00%

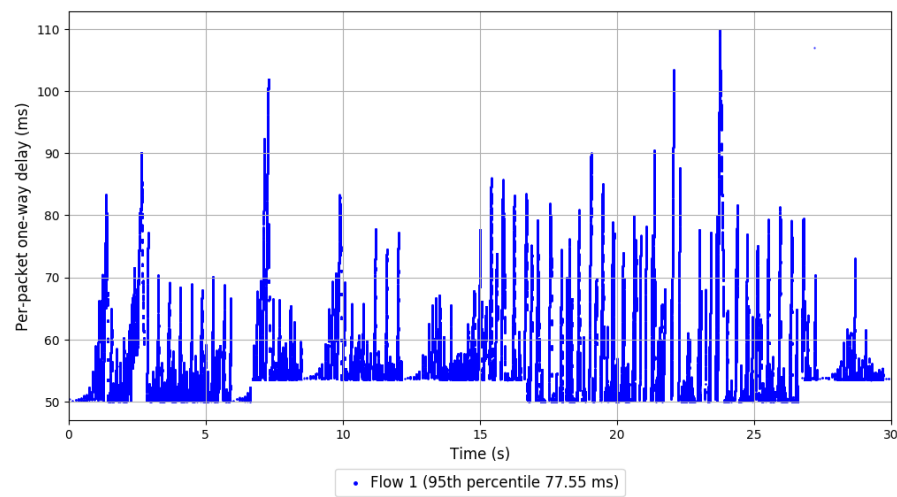
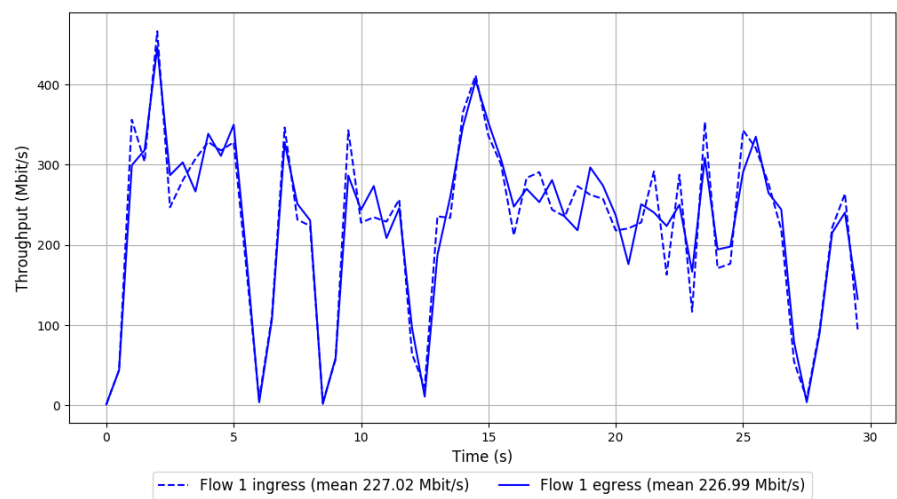
-- Flow 1:

Average throughput: 226.99 Mbit/s

95th percentile per-packet one-way delay: 77.553 ms

Loss rate: 0.00%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-04-03 10:55:01

End at: 2018-04-03 10:55:31

Below is generated by plot.py at 2018-04-03 14:48:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 271.92 Mbit/s

95th percentile per-packet one-way delay: 71.953 ms

Loss rate: 0.72%

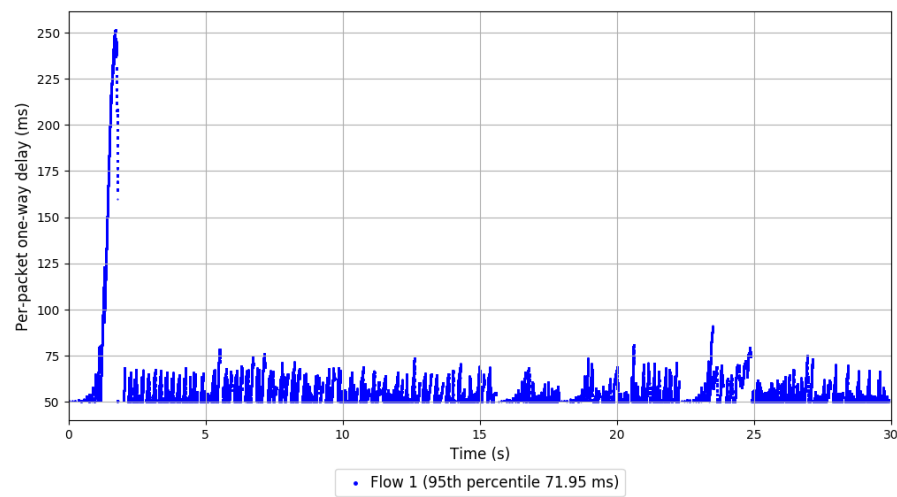
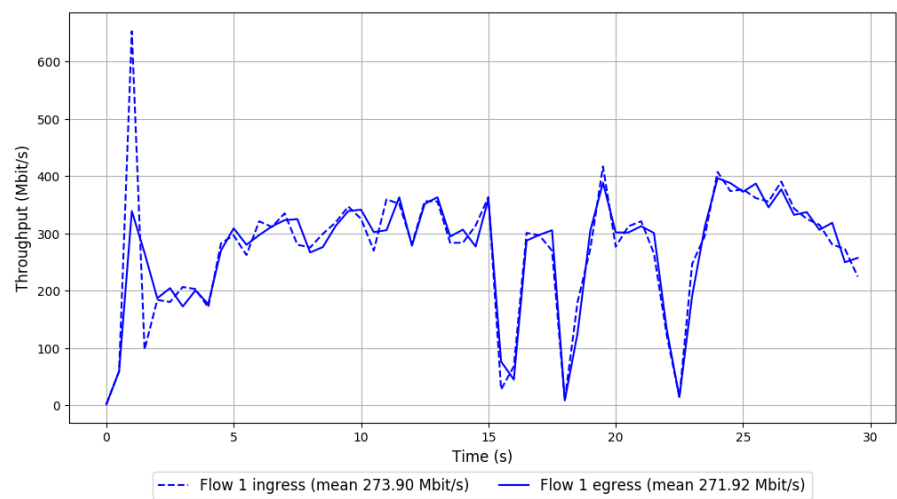
-- Flow 1:

Average throughput: 271.92 Mbit/s

95th percentile per-packet one-way delay: 71.953 ms

Loss rate: 0.72%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-04-03 11:09:25

End at: 2018-04-03 11:09:55

Below is generated by plot.py at 2018-04-03 14:48:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 261.75 Mbit/s

95th percentile per-packet one-way delay: 92.053 ms

Loss rate: 0.00%

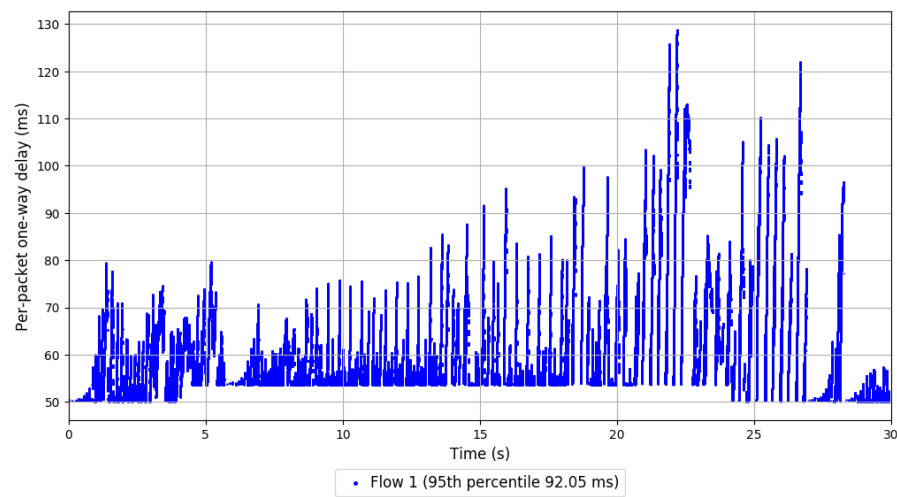
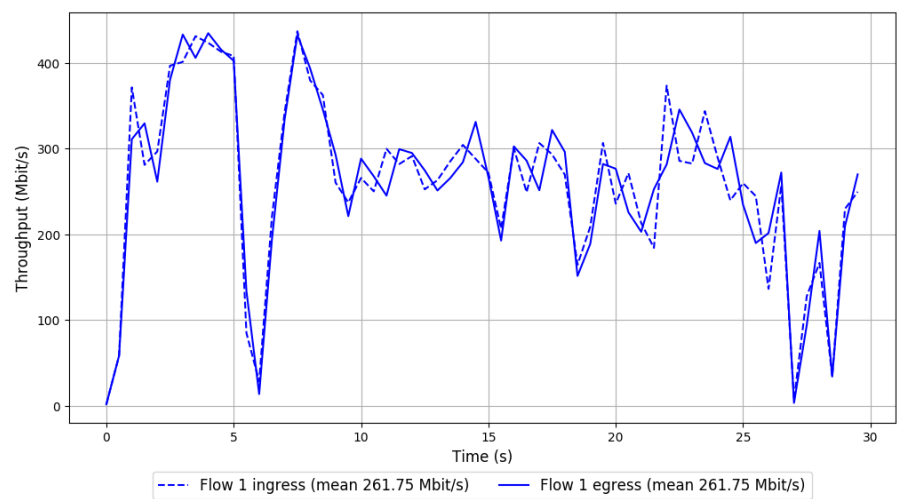
-- Flow 1:

Average throughput: 261.75 Mbit/s

95th percentile per-packet one-way delay: 92.053 ms

Loss rate: 0.00%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-04-03 11:23:43

End at: 2018-04-03 11:24:13

Below is generated by plot.py at 2018-04-03 14:48:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.63 Mbit/s

95th percentile per-packet one-way delay: 95.097 ms

Loss rate: 0.00%

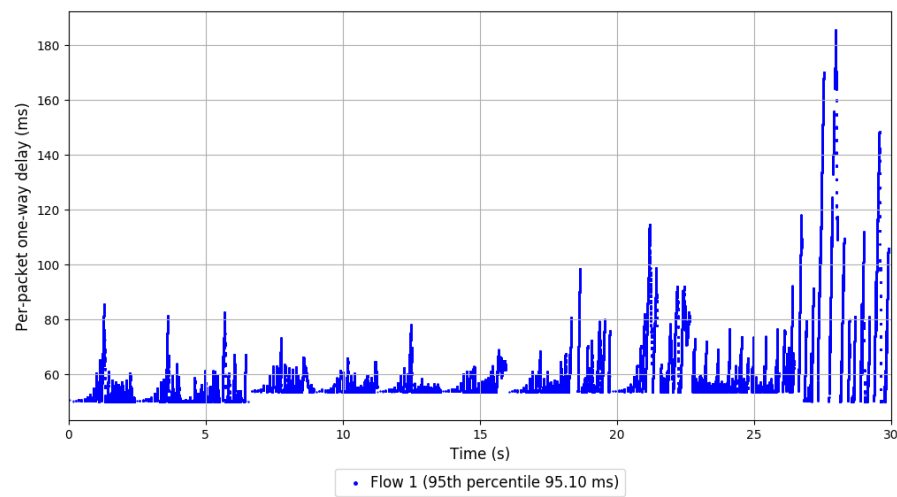
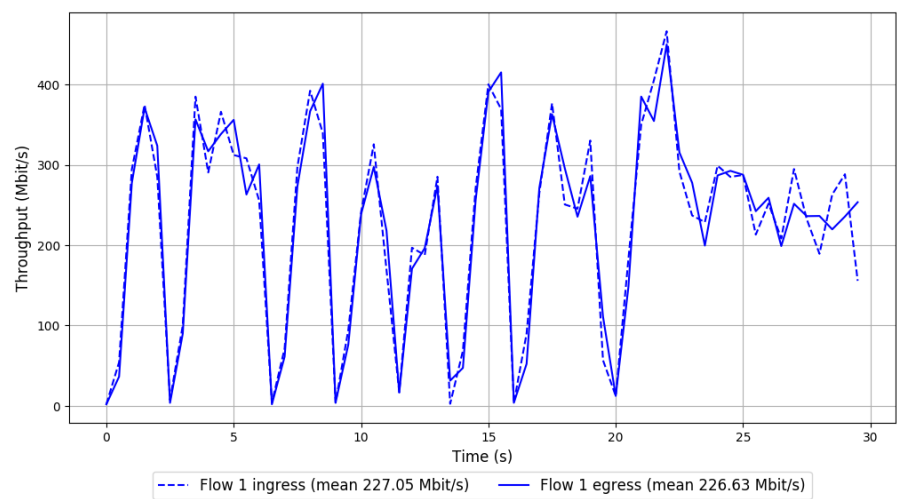
-- Flow 1:

Average throughput: 226.63 Mbit/s

95th percentile per-packet one-way delay: 95.097 ms

Loss rate: 0.00%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-04-03 11:38:20

End at: 2018-04-03 11:38:50

Below is generated by plot.py at 2018-04-03 14:48:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 233.07 Mbit/s

95th percentile per-packet one-way delay: 155.116 ms

Loss rate: 0.30%

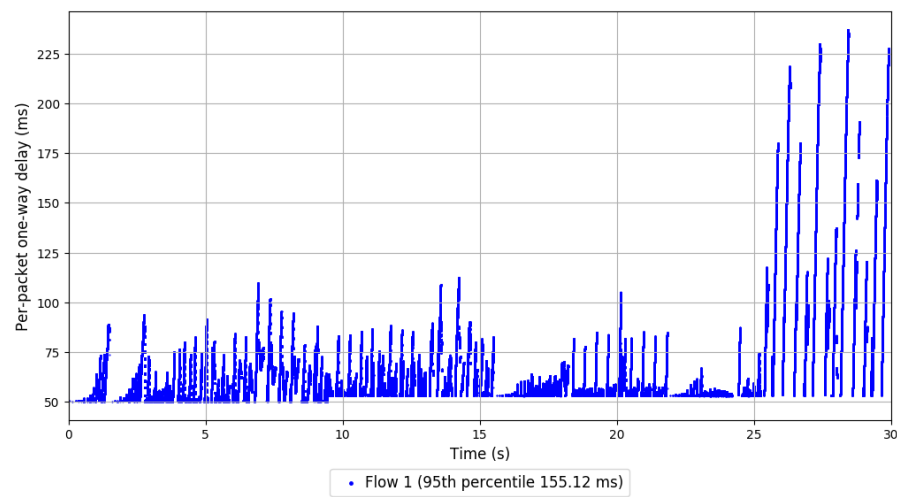
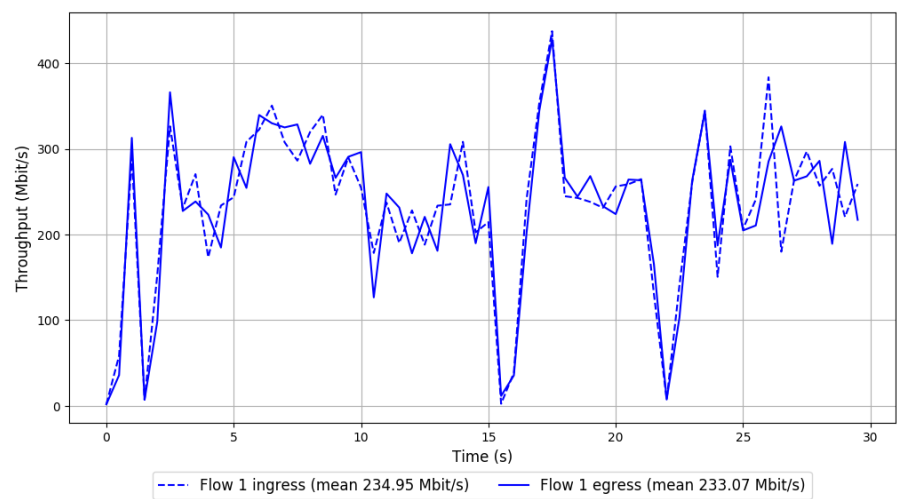
-- Flow 1:

Average throughput: 233.07 Mbit/s

95th percentile per-packet one-way delay: 155.116 ms

Loss rate: 0.30%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-04-03 11:52:53

End at: 2018-04-03 11:53:23

Below is generated by plot.py at 2018-04-03 14:49:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 233.43 Mbit/s

95th percentile per-packet one-way delay: 112.226 ms

Loss rate: 0.01%

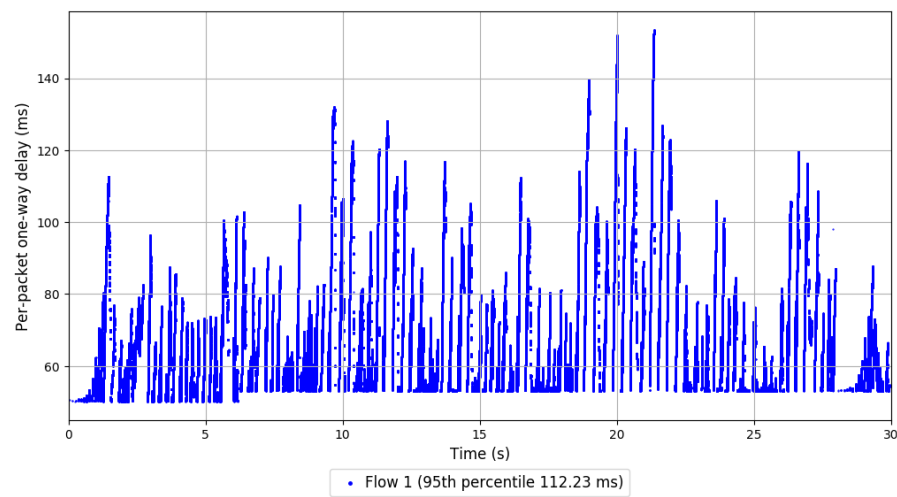
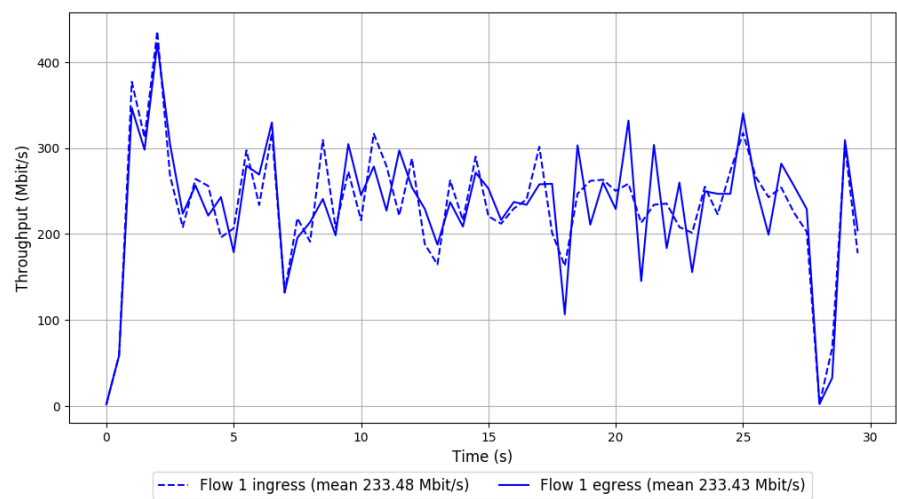
-- Flow 1:

Average throughput: 233.43 Mbit/s

95th percentile per-packet one-way delay: 112.226 ms

Loss rate: 0.01%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-04-03 09:52:34

End at: 2018-04-03 09:53:04

Below is generated by plot.py at 2018-04-03 14:49:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.45 Mbit/s

95th percentile per-packet one-way delay: 50.116 ms

Loss rate: 0.00%

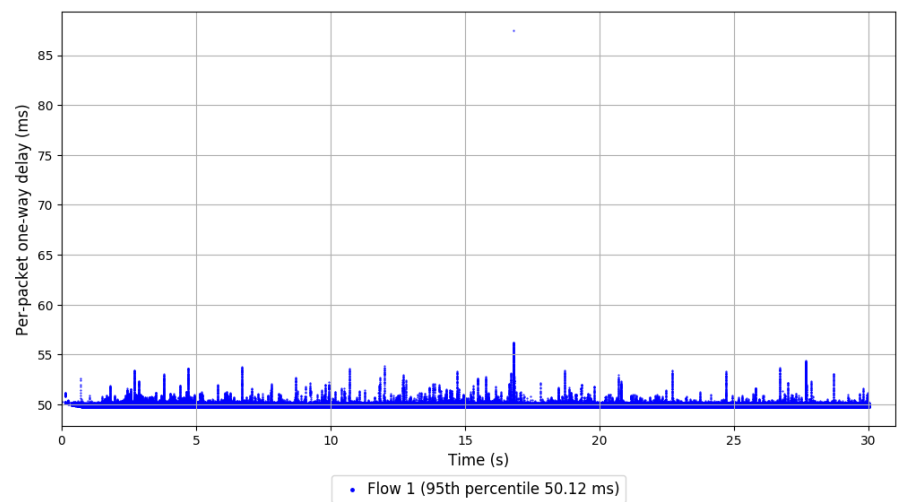
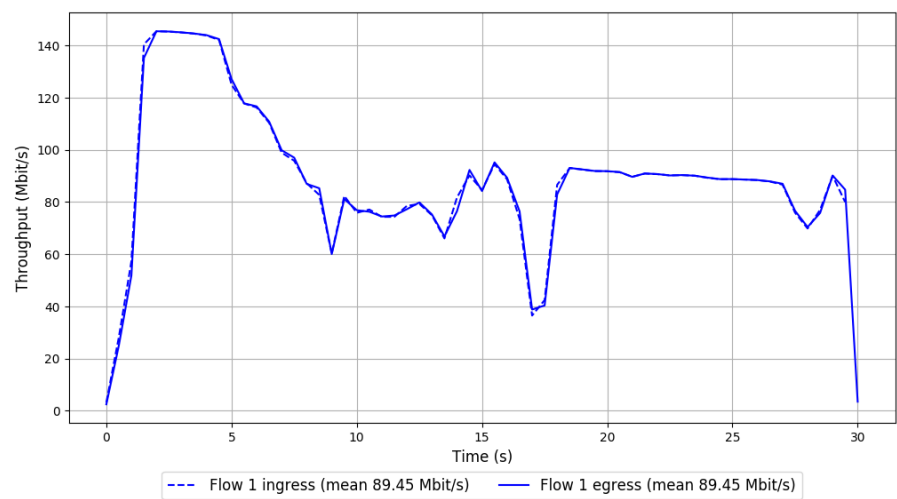
-- Flow 1:

Average throughput: 89.45 Mbit/s

95th percentile per-packet one-way delay: 50.116 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-04-03 10:06:56

End at: 2018-04-03 10:07:26

Below is generated by plot.py at 2018-04-03 14:49:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.39 Mbit/s

95th percentile per-packet one-way delay: 53.488 ms

Loss rate: 0.00%

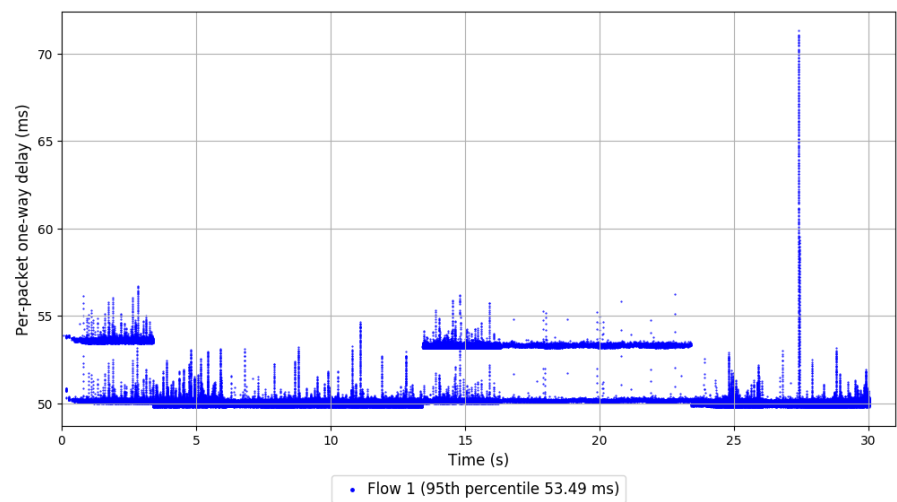
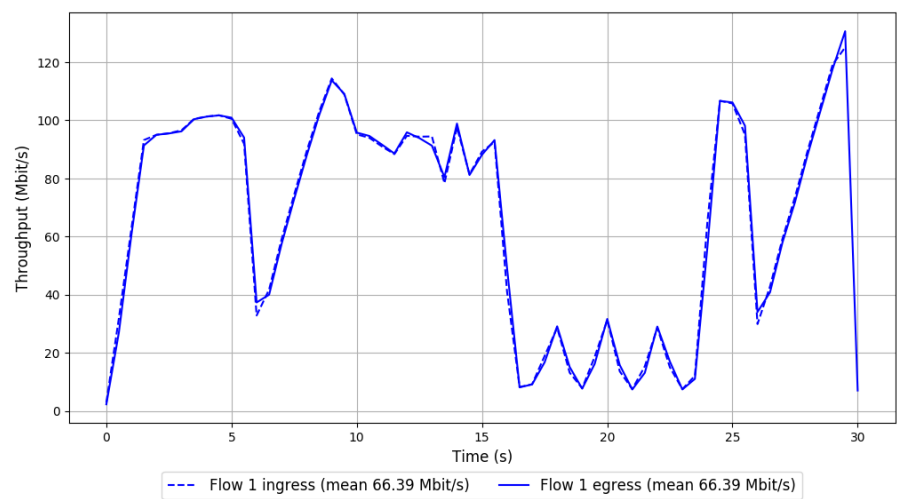
-- Flow 1:

Average throughput: 66.39 Mbit/s

95th percentile per-packet one-way delay: 53.488 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-04-03 10:21:20

End at: 2018-04-03 10:21:50

Below is generated by plot.py at 2018-04-03 14:49:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.93 Mbit/s

95th percentile per-packet one-way delay: 53.767 ms

Loss rate: 0.00%

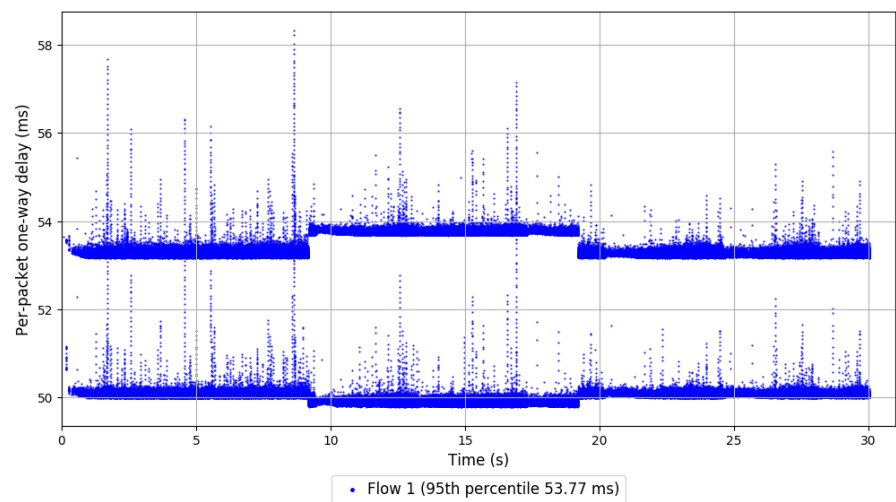
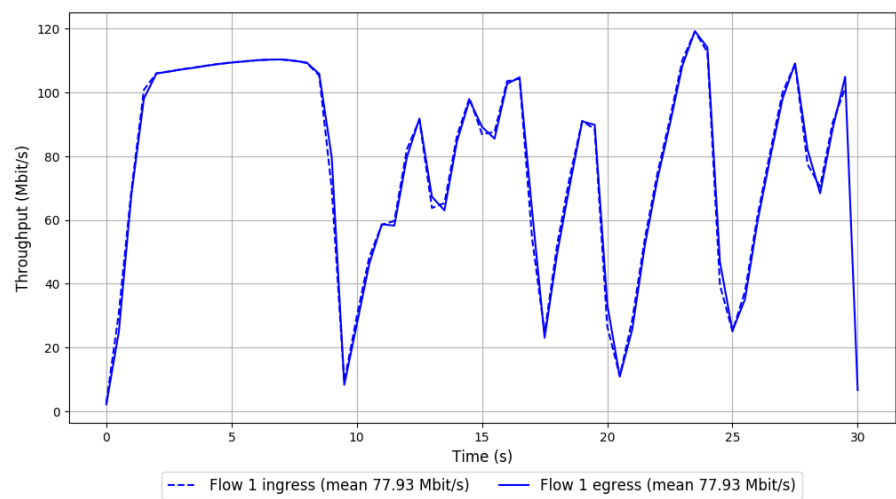
-- Flow 1:

Average throughput: 77.93 Mbit/s

95th percentile per-packet one-way delay: 53.767 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-04-03 10:35:40

End at: 2018-04-03 10:36:10

Below is generated by plot.py at 2018-04-03 14:49:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.71 Mbit/s

95th percentile per-packet one-way delay: 53.356 ms

Loss rate: 0.00%

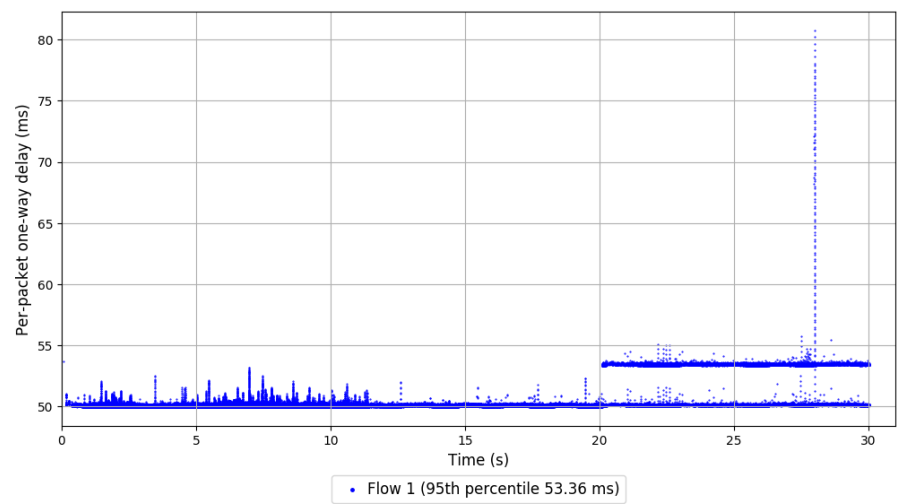
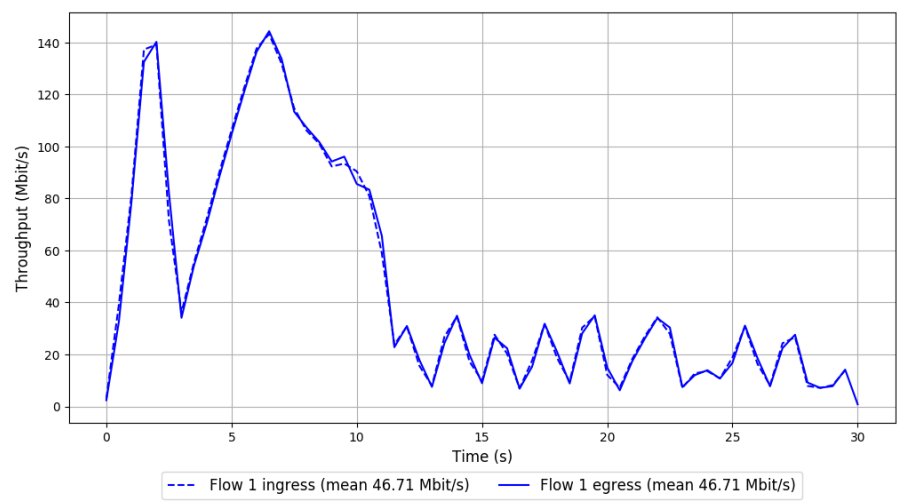
-- Flow 1:

Average throughput: 46.71 Mbit/s

95th percentile per-packet one-way delay: 53.356 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-04-03 10:49:51

End at: 2018-04-03 10:50:21

Below is generated by plot.py at 2018-04-03 14:51:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.75 Mbit/s

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

Loss rate: 0.00%

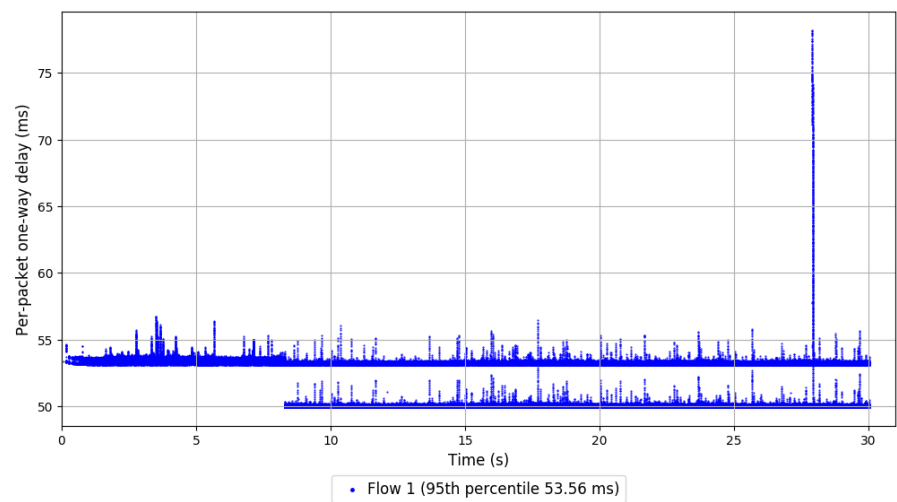
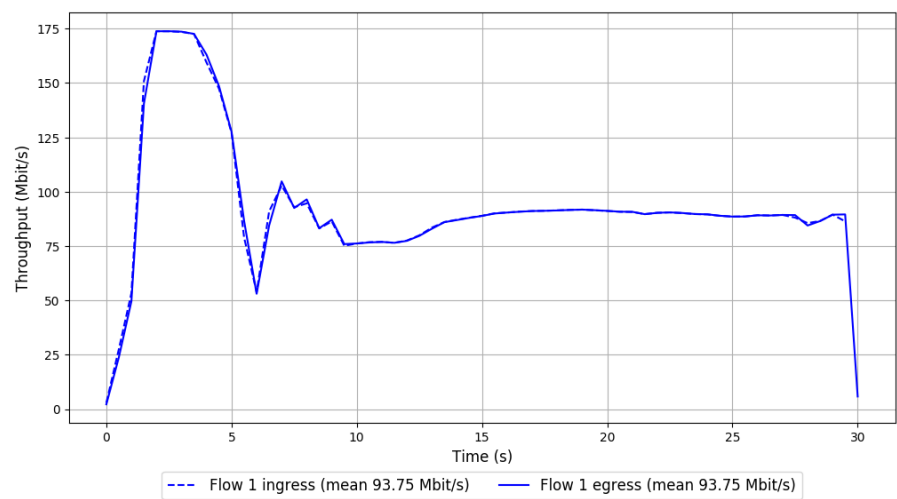
-- Flow 1:

Average throughput: 93.75 Mbit/s

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

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-04-03 11:04:08

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

Below is generated by plot.py at 2018-04-03 14:51:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.55 Mbit/s

95th percentile per-packet one-way delay: 53.750 ms

Loss rate: 0.00%

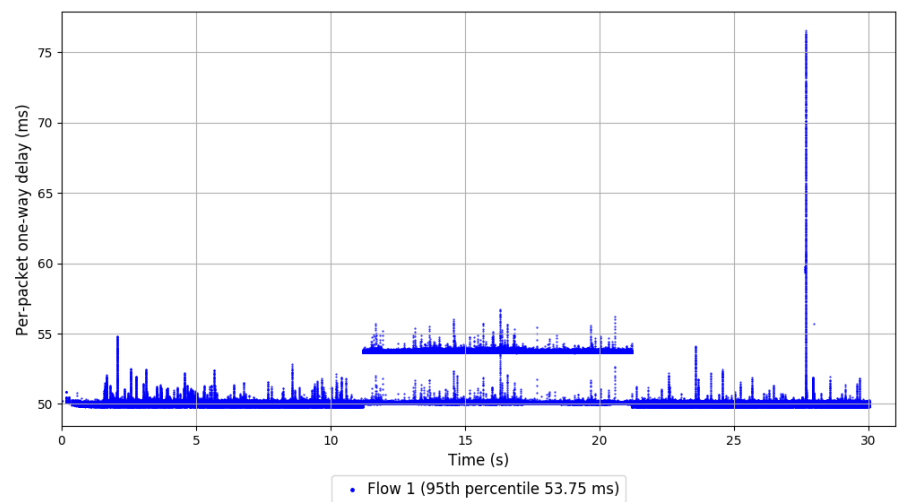
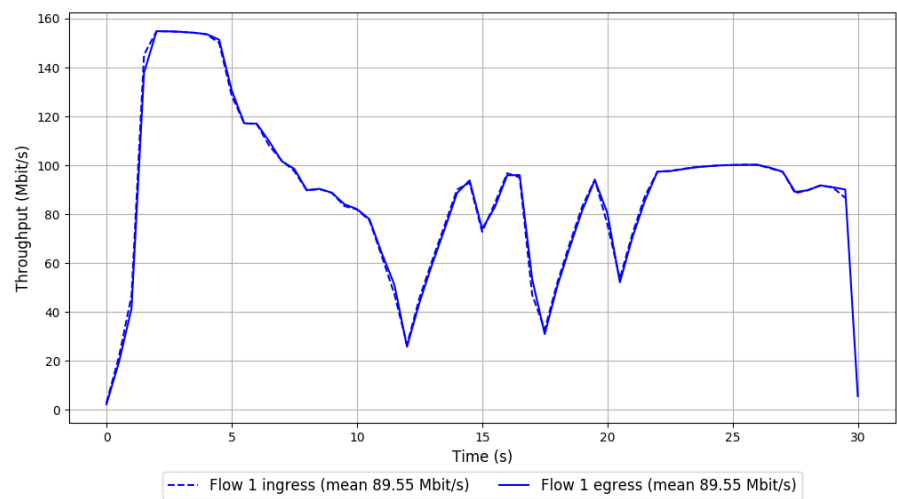
-- Flow 1:

Average throughput: 89.55 Mbit/s

95th percentile per-packet one-way delay: 53.750 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-04-03 11:18:30

End at: 2018-04-03 11:19:00

Below is generated by plot.py at 2018-04-03 14:51:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.35 Mbit/s

95th percentile per-packet one-way delay: 53.340 ms

Loss rate: 0.00%

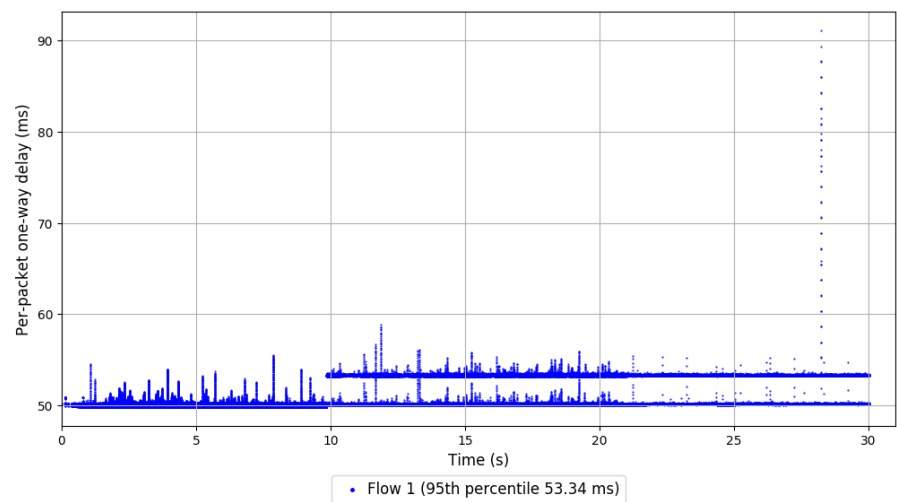
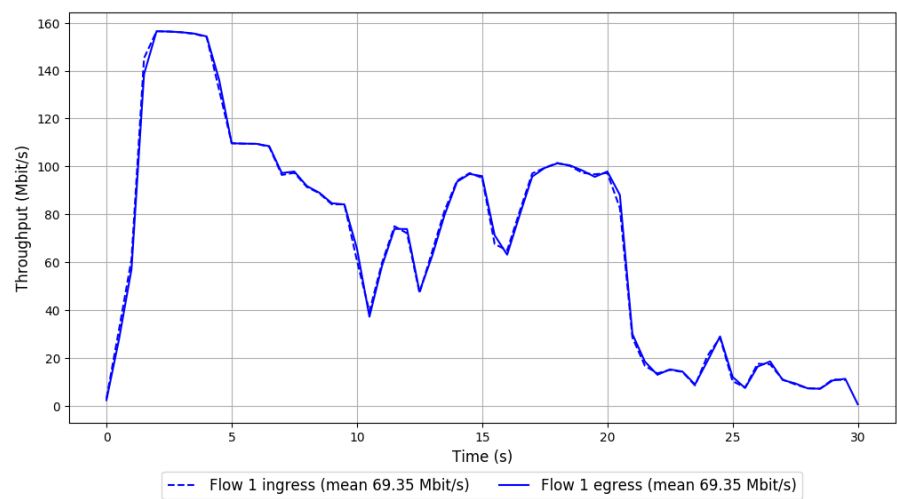
-- Flow 1:

Average throughput: 69.35 Mbit/s

95th percentile per-packet one-way delay: 53.340 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-04-03 11:32:59

End at: 2018-04-03 11:33:29

Below is generated by plot.py at 2018-04-03 14:56:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.99 Mbit/s

95th percentile per-packet one-way delay: 239.933 ms

Loss rate: 30.63%

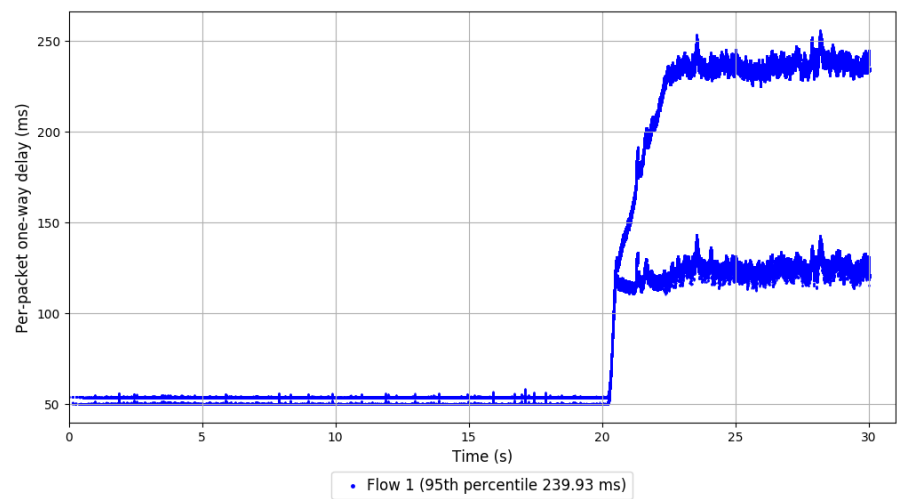
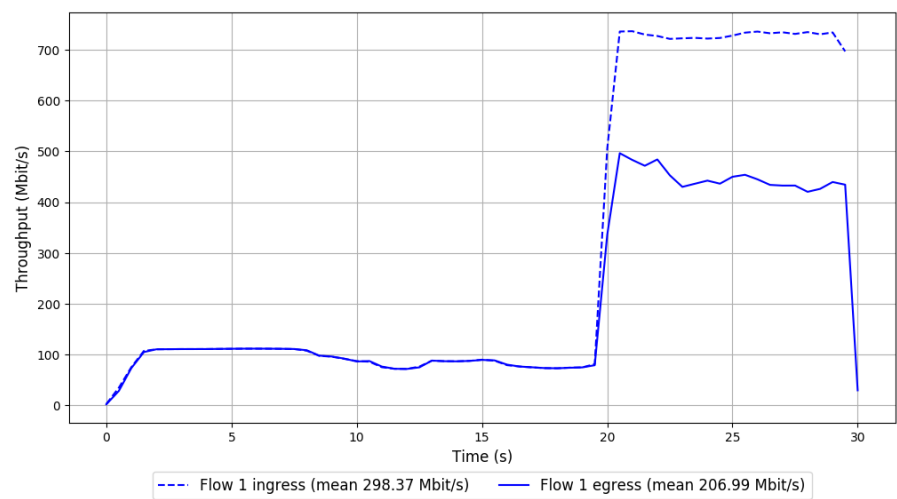
-- Flow 1:

Average throughput: 206.99 Mbit/s

95th percentile per-packet one-way delay: 239.933 ms

Loss rate: 30.63%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-04-03 11:47:37

End at: 2018-04-03 11:48:07

Below is generated by plot.py at 2018-04-03 14:56:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.59 Mbit/s

95th percentile per-packet one-way delay: 53.059 ms

Loss rate: 0.00%

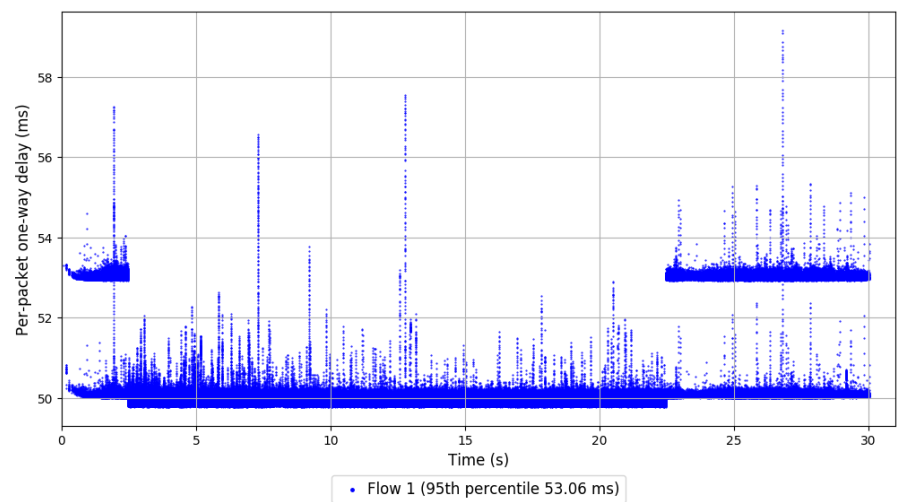
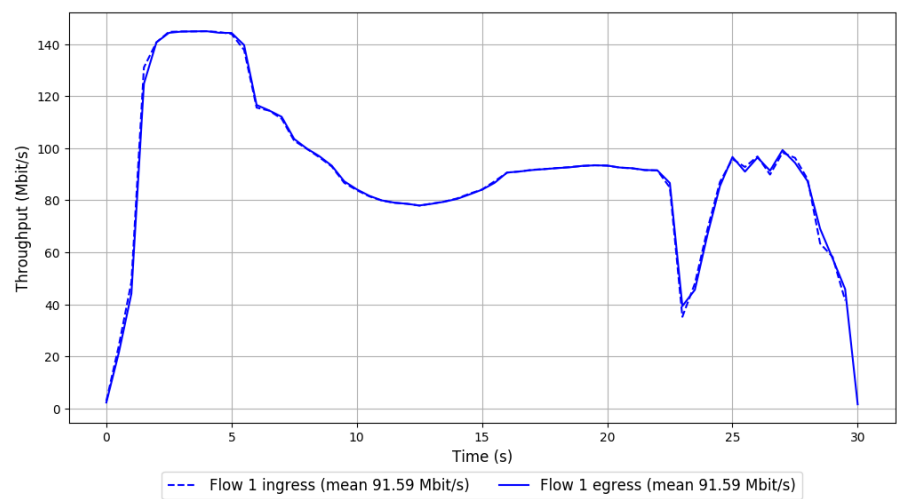
-- Flow 1:

Average throughput: 91.59 Mbit/s

95th percentile per-packet one-way delay: 53.059 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-04-03 12:02:08

End at: 2018-04-03 12:02:38

Below is generated by plot.py at 2018-04-03 14:56:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.02 Mbit/s

95th percentile per-packet one-way delay: 53.277 ms

Loss rate: 0.00%

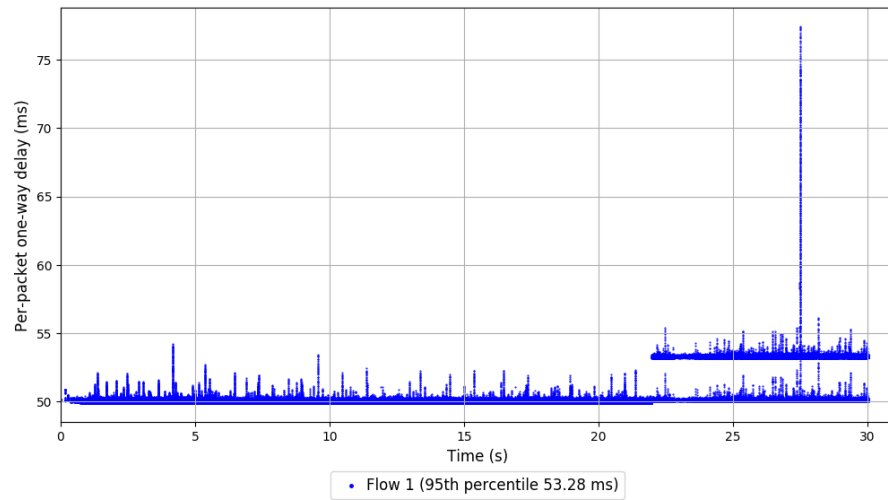
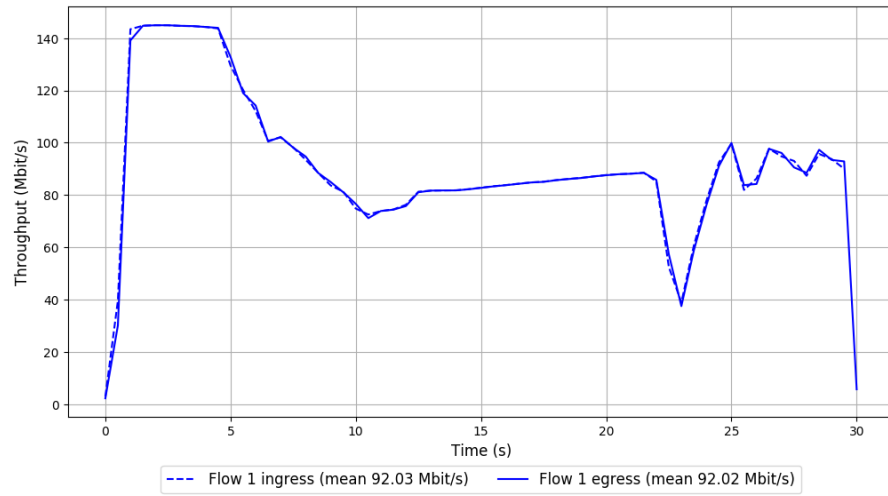
-- Flow 1:

Average throughput: 92.02 Mbit/s

95th percentile per-packet one-way delay: 53.277 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

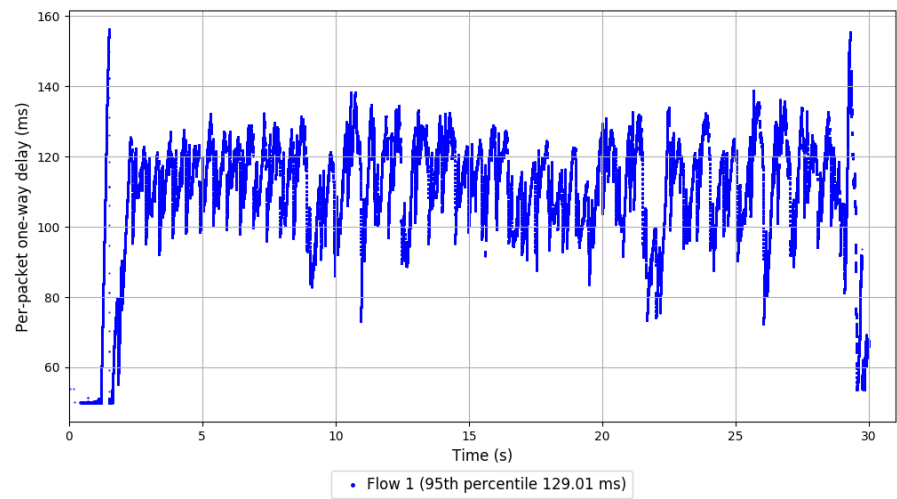
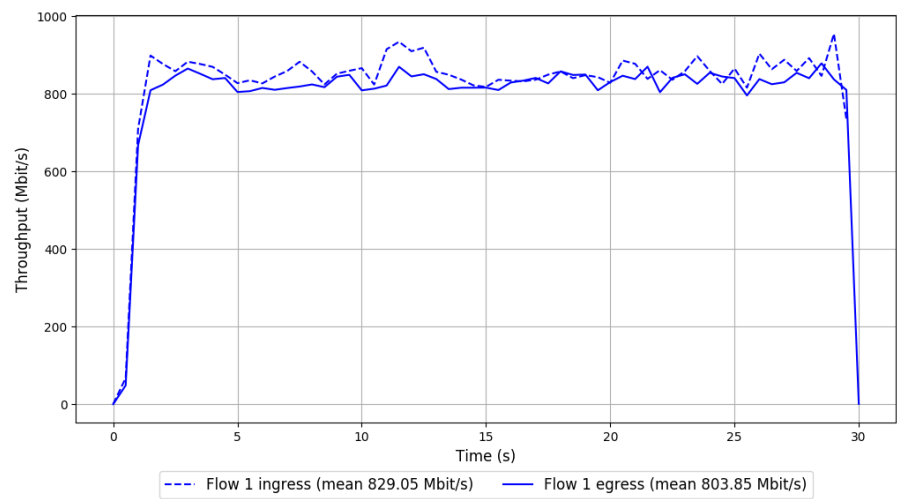


```
Run 1: Statistics of FillP

Start at: 2018-04-03 09:44:49
End at: 2018-04-03 09:45:19

# Below is generated by plot.py at 2018-04-03 15:08:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 803.85 Mbit/s
95th percentile per-packet one-way delay: 129.014 ms
Loss rate: 3.04%
-- Flow 1:
Average throughput: 803.85 Mbit/s
95th percentile per-packet one-way delay: 129.014 ms
Loss rate: 3.04%
```

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-04-03 09:59:26

End at: 2018-04-03 09:59:56

Below is generated by plot.py at 2018-04-03 15:08:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 839.98 Mbit/s

95th percentile per-packet one-way delay: 126.155 ms

Loss rate: 3.36%

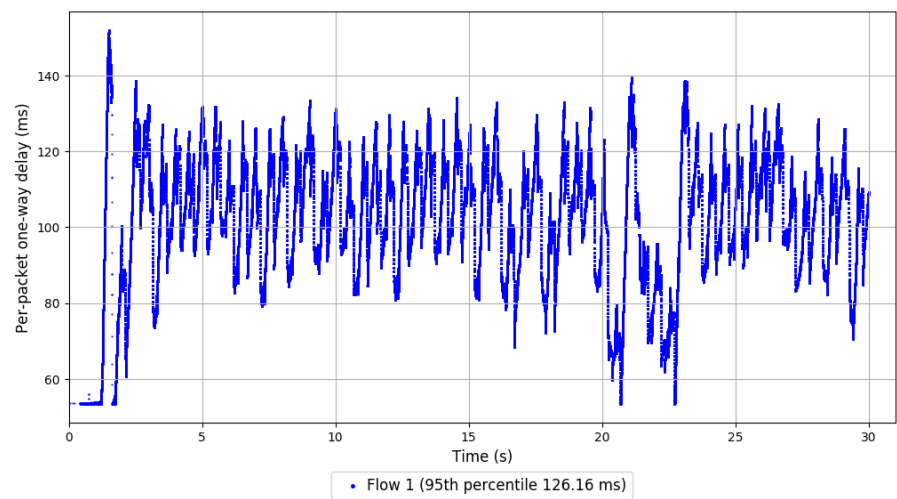
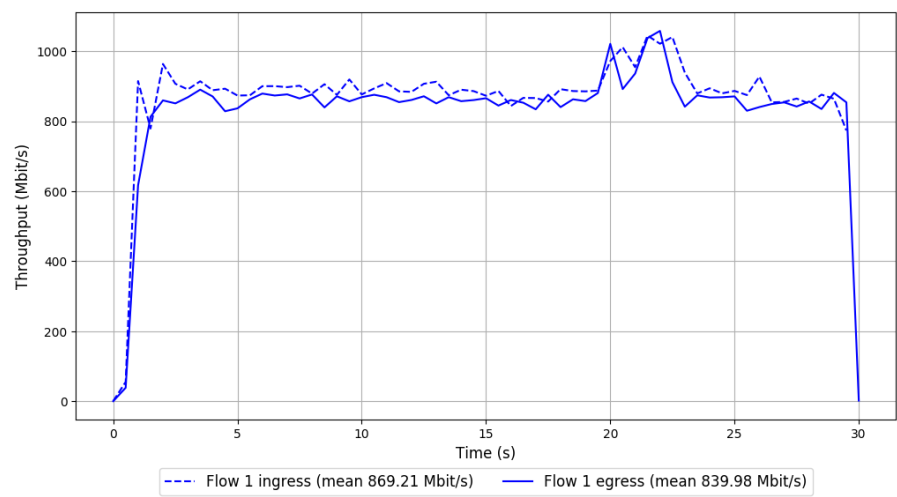
-- Flow 1:

Average throughput: 839.98 Mbit/s

95th percentile per-packet one-way delay: 126.155 ms

Loss rate: 3.36%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-04-03 10:13:51

End at: 2018-04-03 10:14:21

Below is generated by plot.py at 2018-04-03 15:09:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 834.35 Mbit/s

95th percentile per-packet one-way delay: 130.331 ms

Loss rate: 4.05%

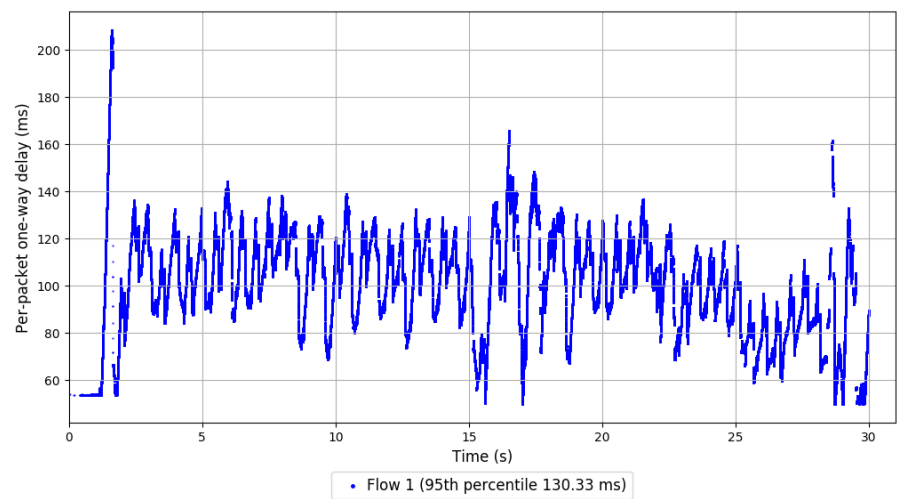
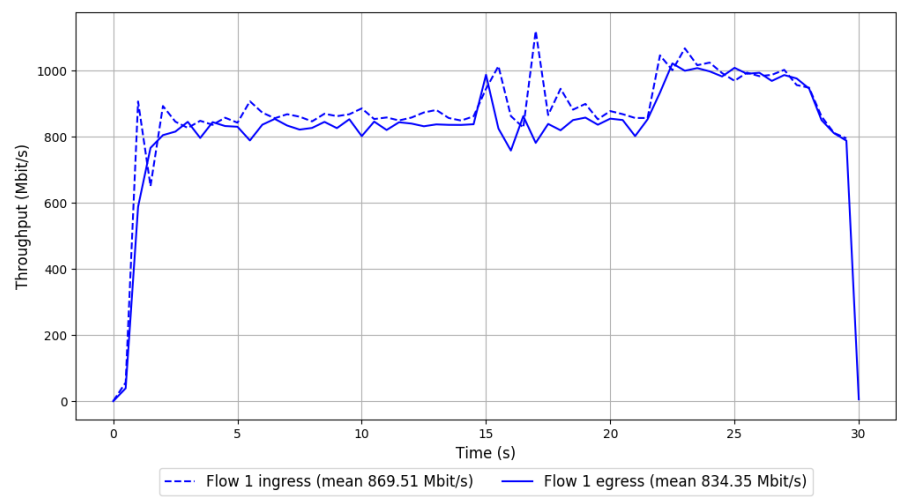
-- Flow 1:

Average throughput: 834.35 Mbit/s

95th percentile per-packet one-way delay: 130.331 ms

Loss rate: 4.05%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-04-03 10:28:08

End at: 2018-04-03 10:28:38

Below is generated by plot.py at 2018-04-03 15:09:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 837.79 Mbit/s

95th percentile per-packet one-way delay: 126.830 ms

Loss rate: 4.12%

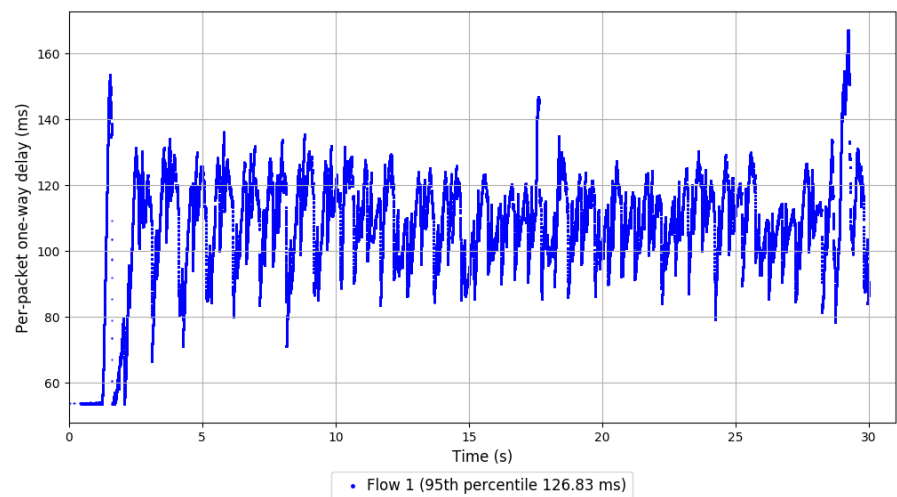
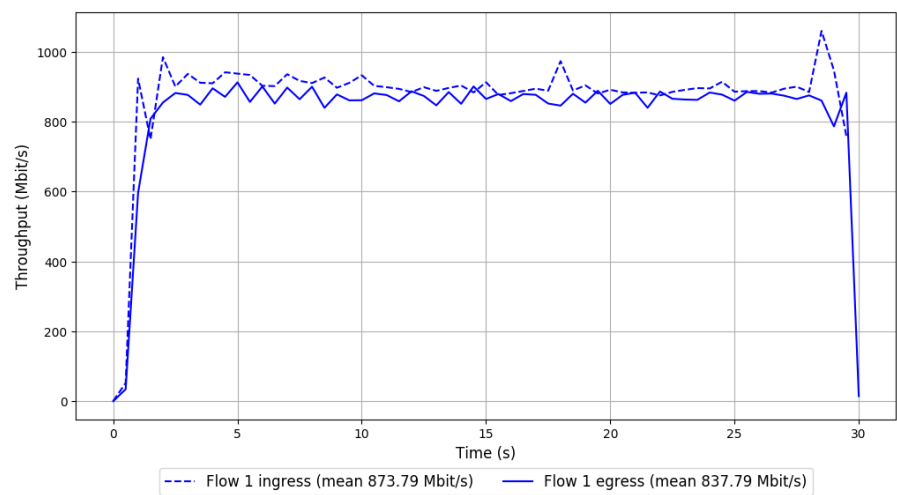
-- Flow 1:

Average throughput: 837.79 Mbit/s

95th percentile per-packet one-way delay: 126.830 ms

Loss rate: 4.12%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-04-03 10:42:28

End at: 2018-04-03 10:42:58

Below is generated by plot.py at 2018-04-03 15:10:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 850.95 Mbit/s

95th percentile per-packet one-way delay: 130.035 ms

Loss rate: 4.40%

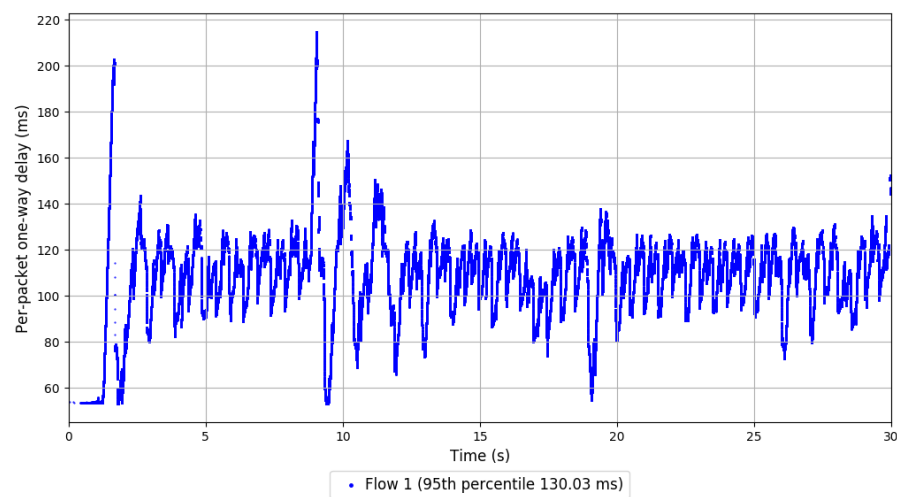
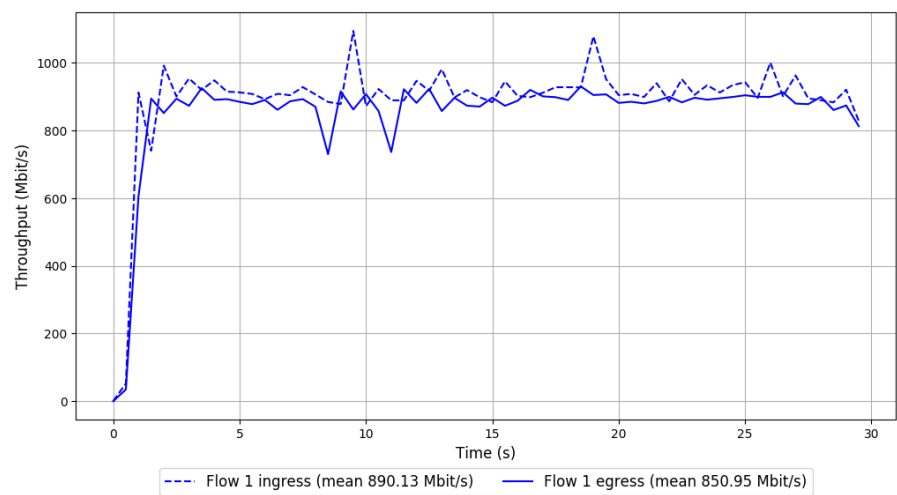
-- Flow 1:

Average throughput: 850.95 Mbit/s

95th percentile per-packet one-way delay: 130.035 ms

Loss rate: 4.40%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-04-03 10:56:39

End at: 2018-04-03 10:57:09

Below is generated by plot.py at 2018-04-03 15:10:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 790.91 Mbit/s

95th percentile per-packet one-way delay: 130.761 ms

Loss rate: 4.40%

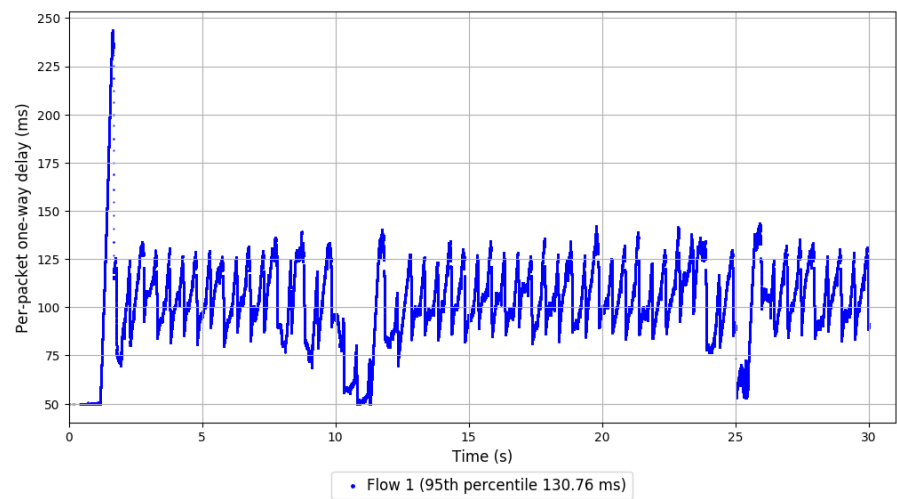
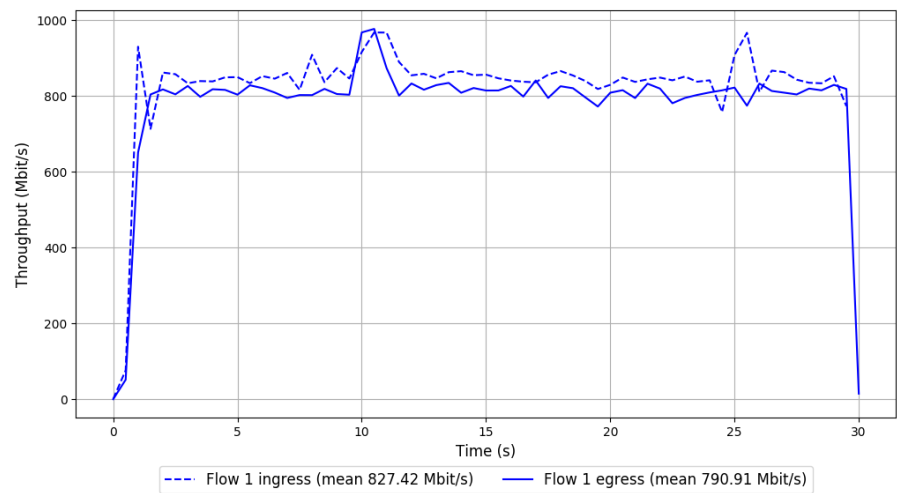
-- Flow 1:

Average throughput: 790.91 Mbit/s

95th percentile per-packet one-way delay: 130.761 ms

Loss rate: 4.40%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

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

End at: 2018-04-03 11:11:33

Below is generated by plot.py at 2018-04-03 15:11:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 841.44 Mbit/s

95th percentile per-packet one-way delay: 127.229 ms

Loss rate: 4.53%

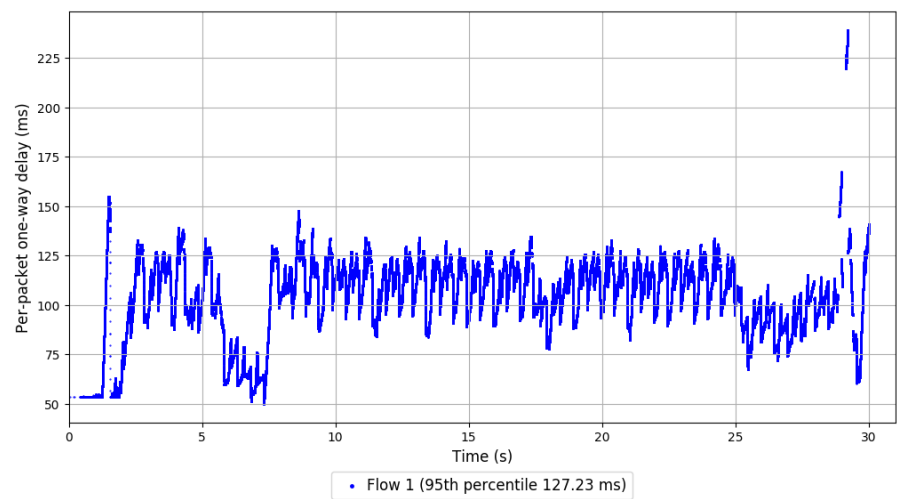
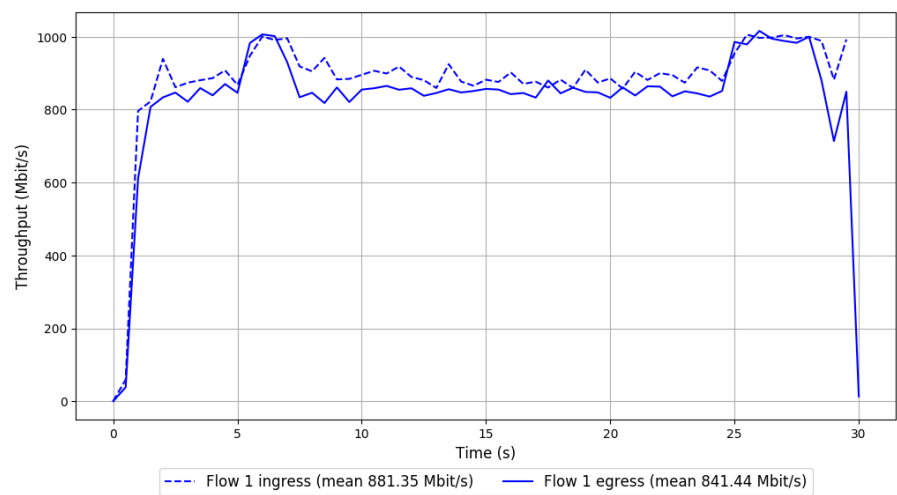
-- Flow 1:

Average throughput: 841.44 Mbit/s

95th percentile per-packet one-way delay: 127.229 ms

Loss rate: 4.53%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-04-03 11:25:17

End at: 2018-04-03 11:25:47

Below is generated by plot.py at 2018-04-03 15:17:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 812.81 Mbit/s

95th percentile per-packet one-way delay: 132.419 ms

Loss rate: 3.65%

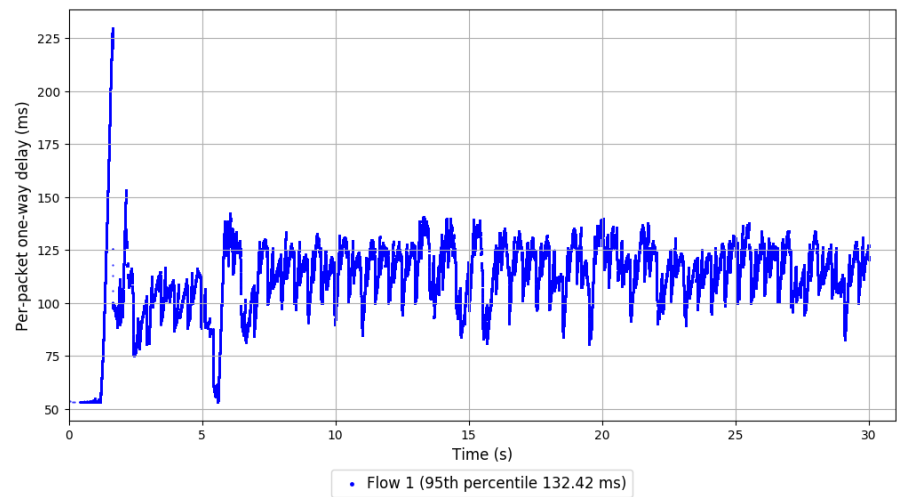
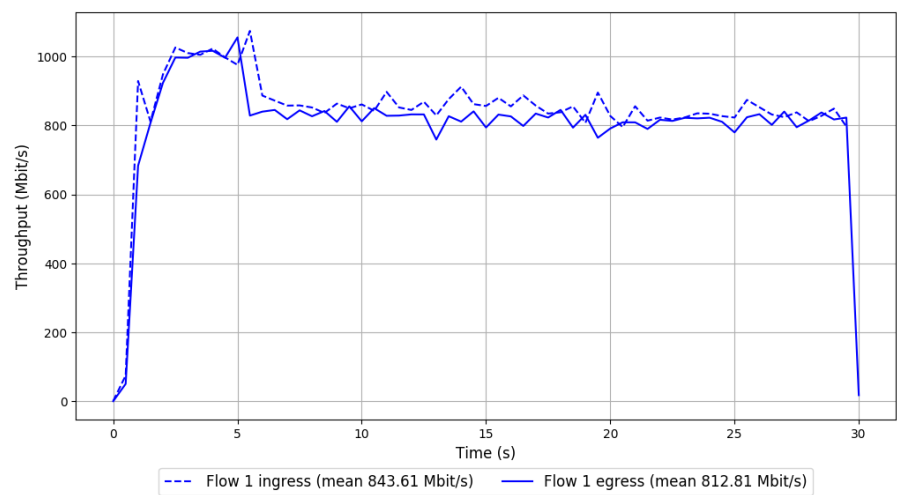
-- Flow 1:

Average throughput: 812.81 Mbit/s

95th percentile per-packet one-way delay: 132.419 ms

Loss rate: 3.65%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-04-03 11:39:56

End at: 2018-04-03 11:40:26

Below is generated by plot.py at 2018-04-03 15:26:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 803.49 Mbit/s

95th percentile per-packet one-way delay: 131.896 ms

Loss rate: 4.41%

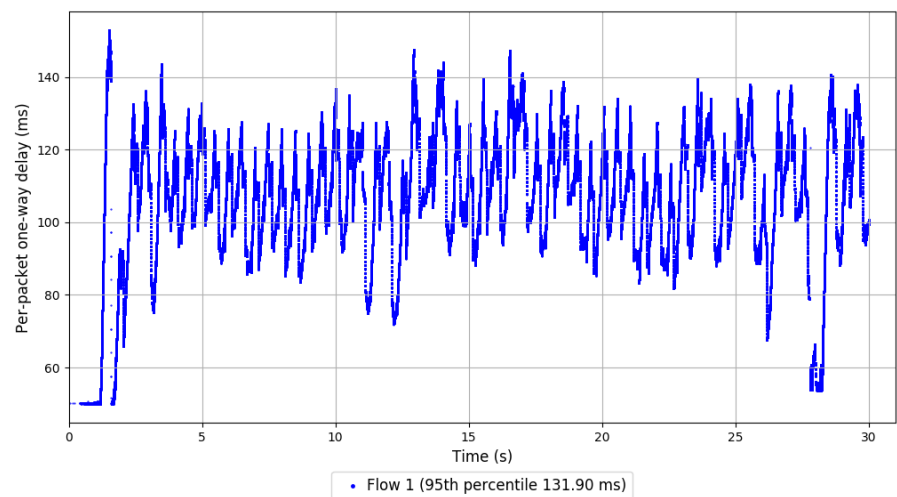
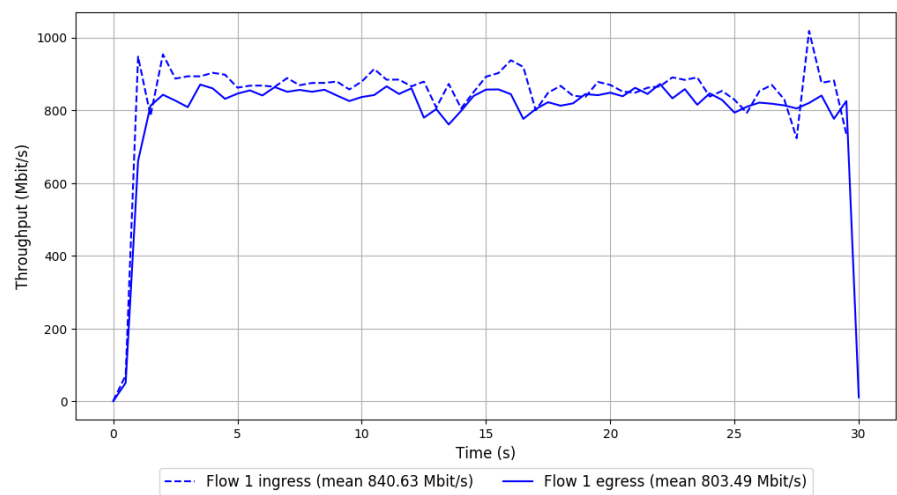
-- Flow 1:

Average throughput: 803.49 Mbit/s

95th percentile per-packet one-way delay: 131.896 ms

Loss rate: 4.41%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-04-03 11:54:29

End at: 2018-04-03 11:54:59

Below is generated by plot.py at 2018-04-03 15:27:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 821.26 Mbit/s

95th percentile per-packet one-way delay: 129.508 ms

Loss rate: 3.76%

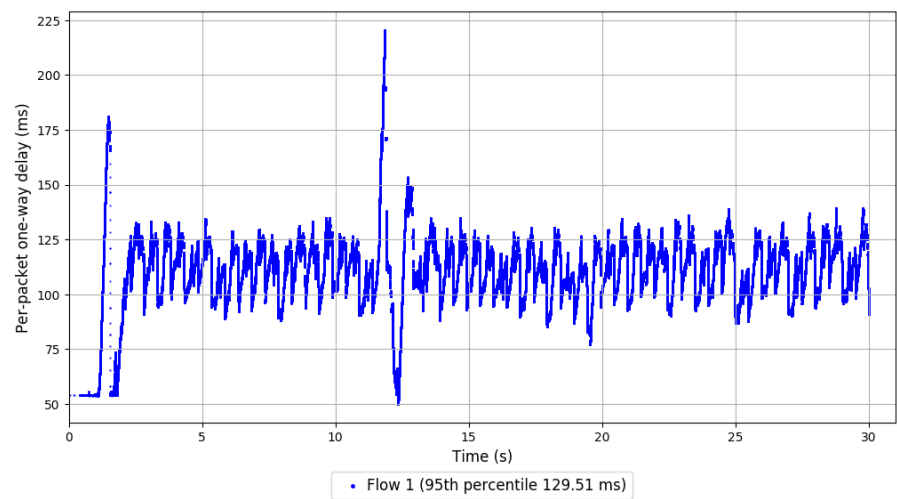
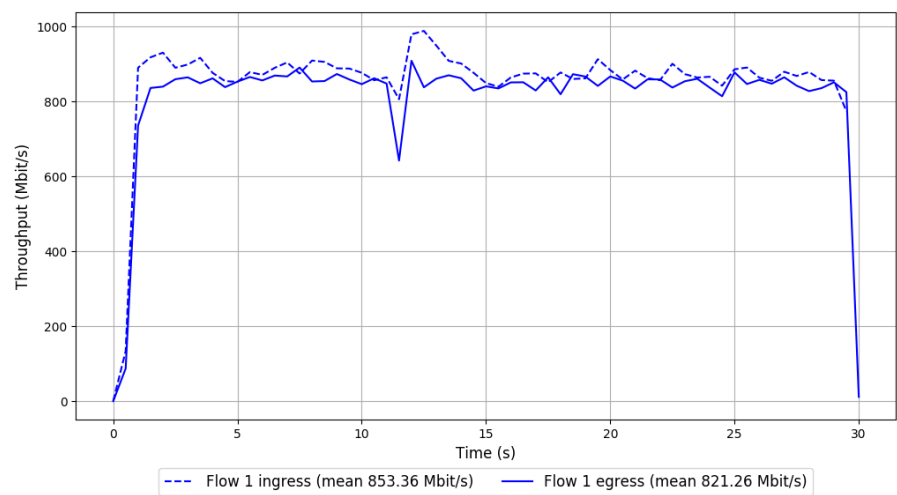
-- Flow 1:

Average throughput: 821.26 Mbit/s

95th percentile per-packet one-way delay: 129.508 ms

Loss rate: 3.76%

Run 10: Report of FillP — Data Link

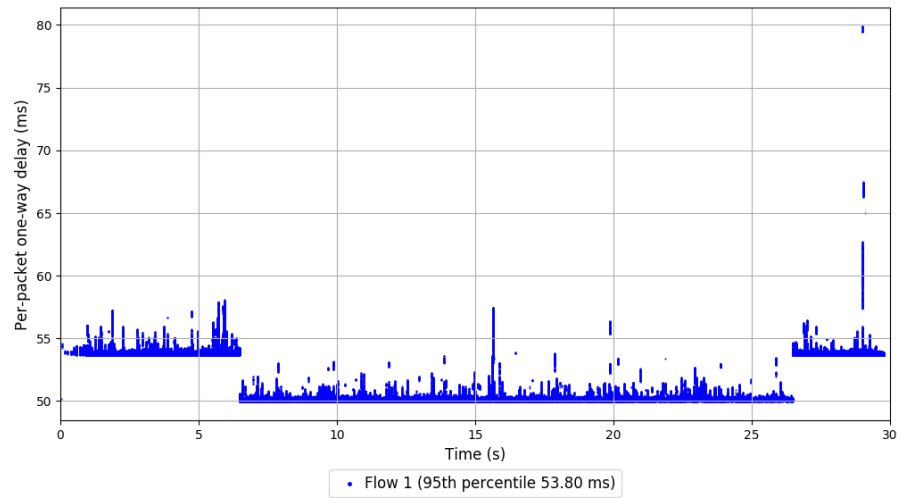
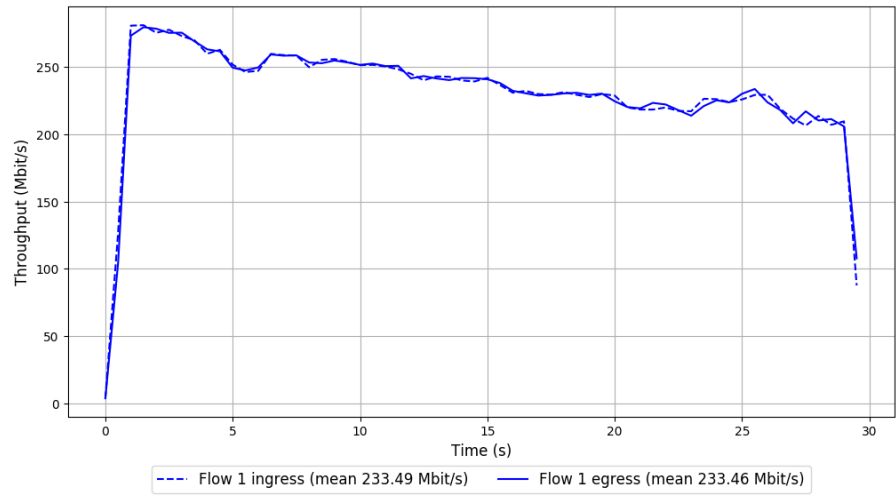


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-04-03 09:50:43
End at: 2018-04-03 09:51:13

# Below is generated by plot.py at 2018-04-03 15:27:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 233.46 Mbit/s
95th percentile per-packet one-way delay: 53.804 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 233.46 Mbit/s
95th percentile per-packet one-way delay: 53.804 ms
Loss rate: 0.00%
```

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



Run 2: Statistics of Indigo-1-32

Start at: 2018-04-03 10:05:06

End at: 2018-04-03 10:05:37

Below is generated by plot.py at 2018-04-03 15:27:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.71 Mbit/s

95th percentile per-packet one-way delay: 53.883 ms

Loss rate: 0.01%

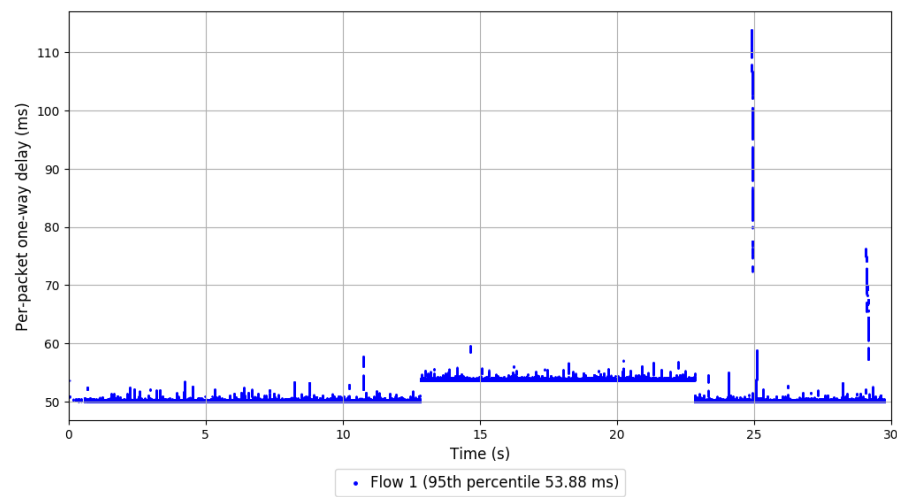
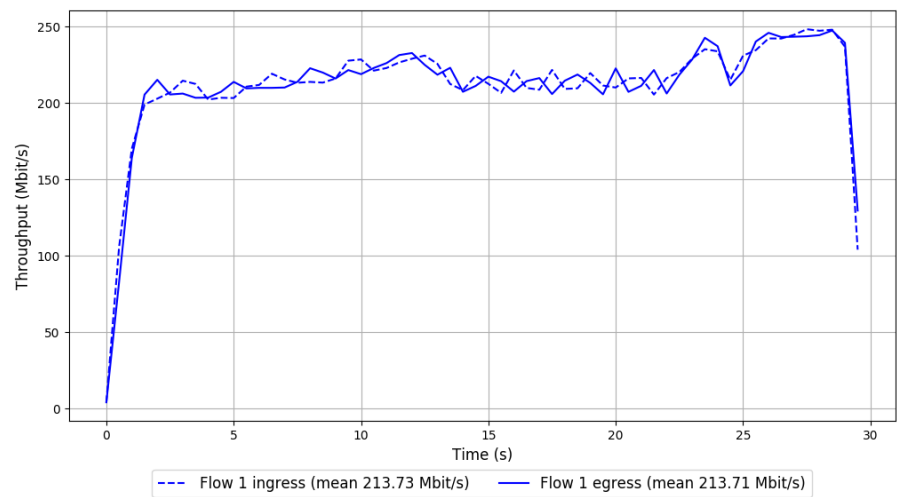
-- Flow 1:

Average throughput: 213.71 Mbit/s

95th percentile per-packet one-way delay: 53.883 ms

Loss rate: 0.01%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-04-03 10:19:32

End at: 2018-04-03 10:20:02

Below is generated by plot.py at 2018-04-03 15:27:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.43 Mbit/s

95th percentile per-packet one-way delay: 53.909 ms

Loss rate: 0.00%

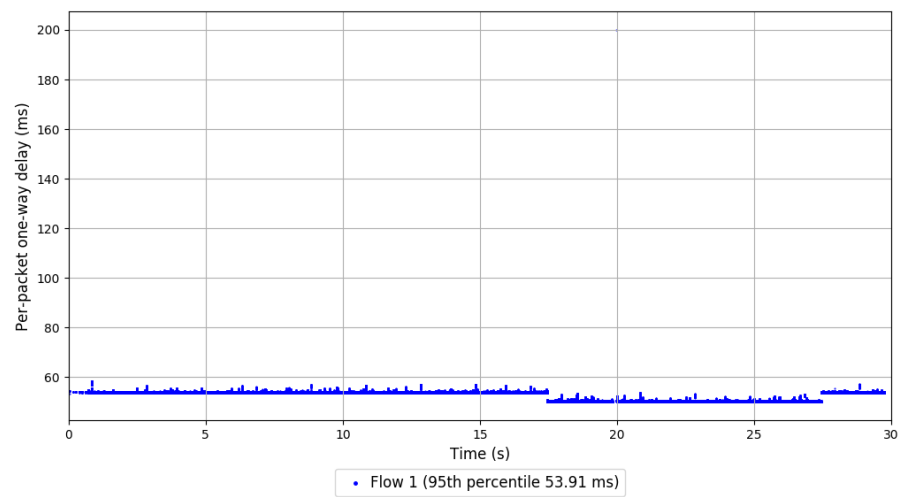
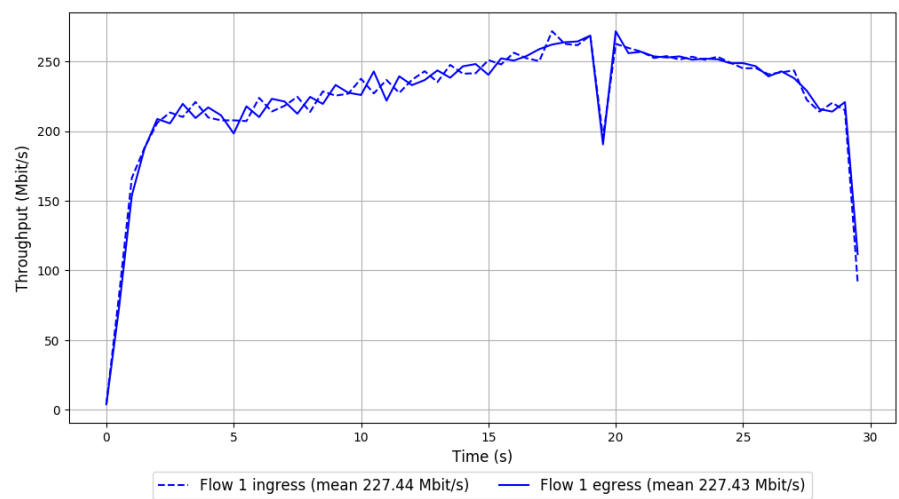
-- Flow 1:

Average throughput: 227.43 Mbit/s

95th percentile per-packet one-way delay: 53.909 ms

Loss rate: 0.00%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-04-03 10:33:51

End at: 2018-04-03 10:34:21

Below is generated by plot.py at 2018-04-03 15:27:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.18 Mbit/s

95th percentile per-packet one-way delay: 53.819 ms

Loss rate: 0.00%

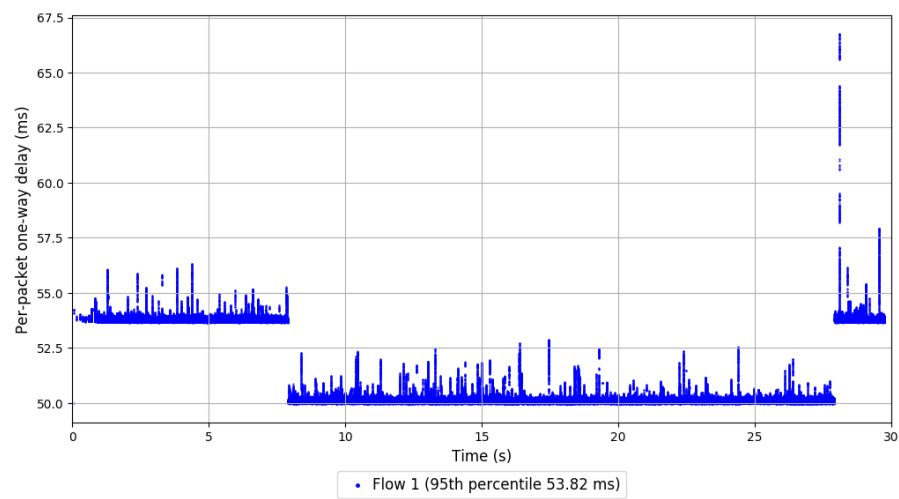
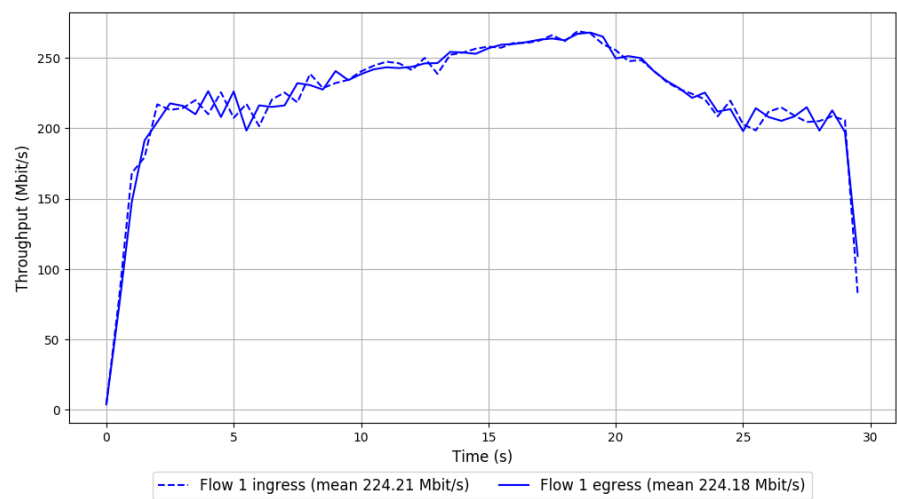
-- Flow 1:

Average throughput: 224.18 Mbit/s

95th percentile per-packet one-way delay: 53.819 ms

Loss rate: 0.00%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-04-03 10:48:01

End at: 2018-04-03 10:48:31

Below is generated by plot.py at 2018-04-03 15:27:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.84 Mbit/s

95th percentile per-packet one-way delay: 53.656 ms

Loss rate: 0.00%

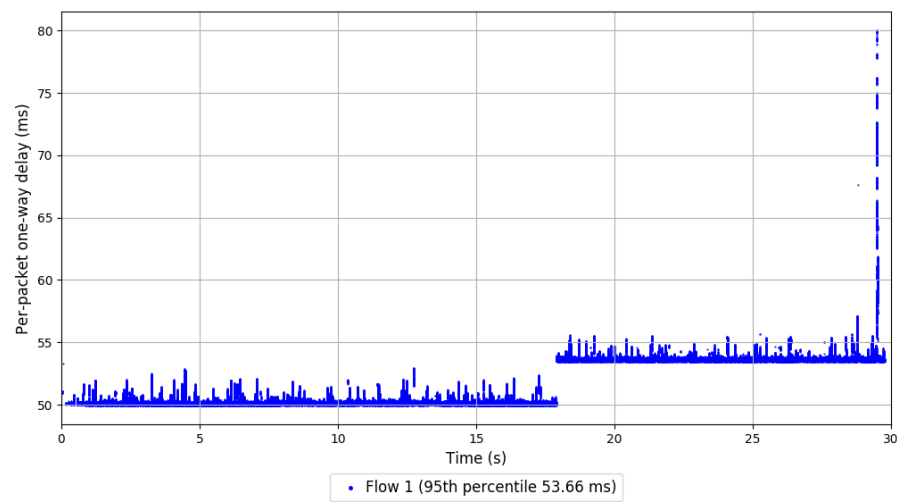
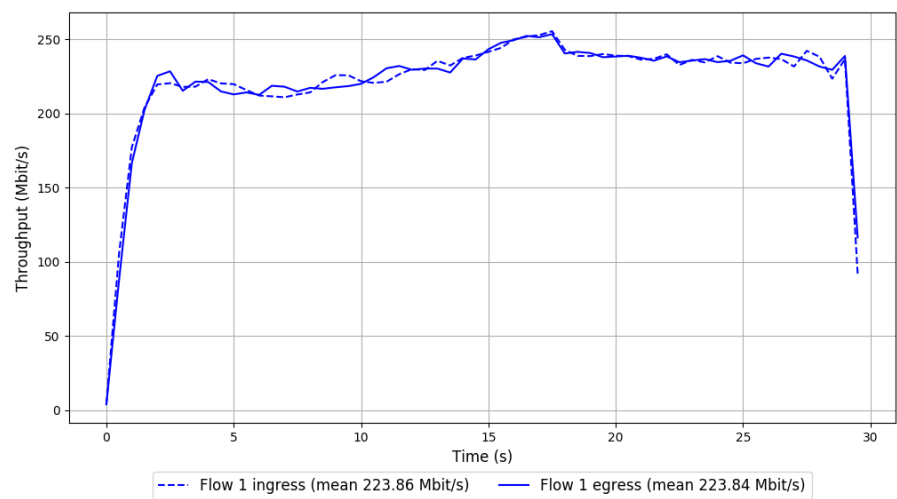
-- Flow 1:

Average throughput: 223.84 Mbit/s

95th percentile per-packet one-way delay: 53.656 ms

Loss rate: 0.00%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-04-03 11:02:19

End at: 2018-04-03 11:02:49

Below is generated by plot.py at 2018-04-03 15:27:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 228.20 Mbit/s

95th percentile per-packet one-way delay: 50.321 ms

Loss rate: 0.00%

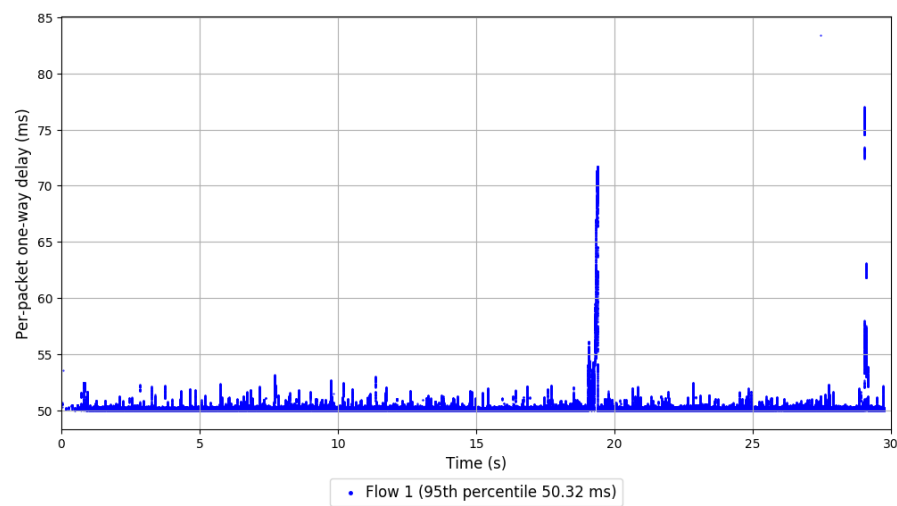
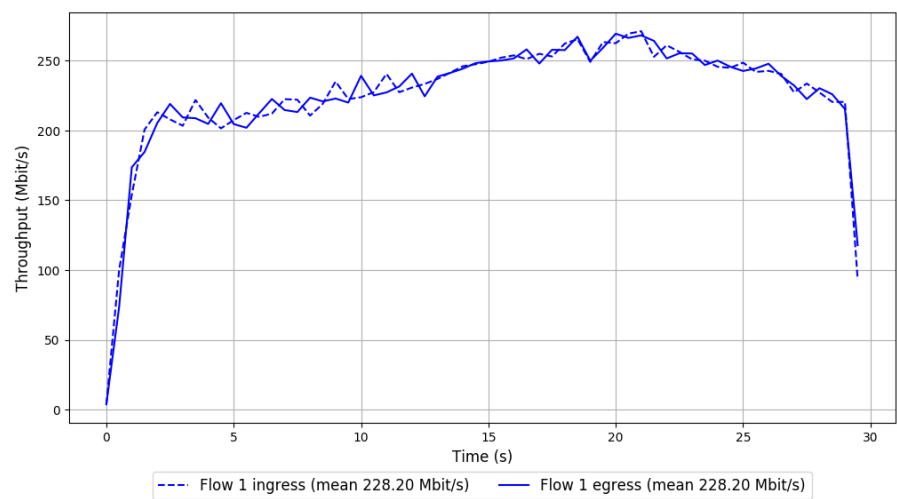
-- Flow 1:

Average throughput: 228.20 Mbit/s

95th percentile per-packet one-way delay: 50.321 ms

Loss rate: 0.00%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-04-03 11:16:44

End at: 2018-04-03 11:17:14

Below is generated by plot.py at 2018-04-03 15:27:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.59 Mbit/s

95th percentile per-packet one-way delay: 53.736 ms

Loss rate: 0.00%

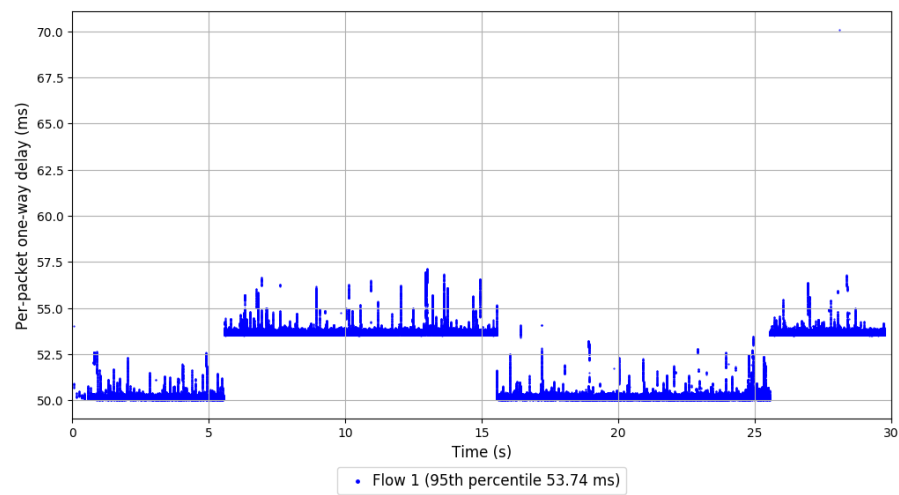
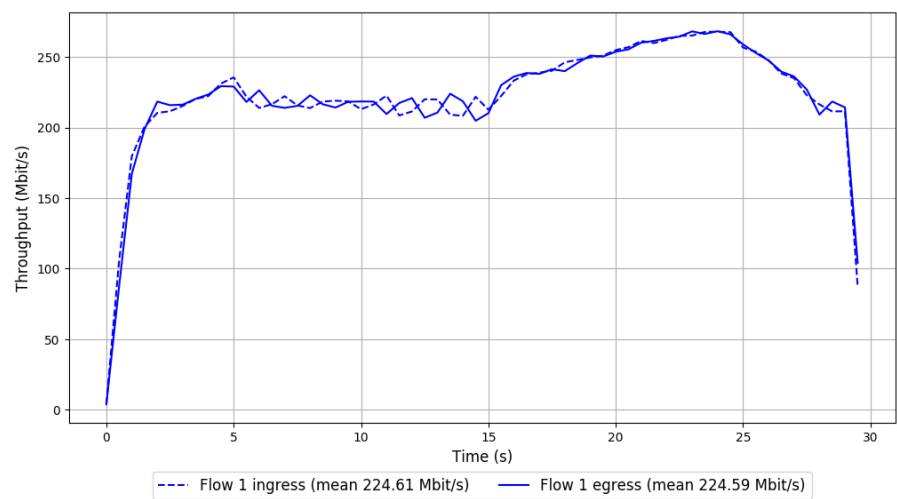
-- Flow 1:

Average throughput: 224.59 Mbit/s

95th percentile per-packet one-way delay: 53.736 ms

Loss rate: 0.00%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-04-03 11:31:07

End at: 2018-04-03 11:31:37

Below is generated by plot.py at 2018-04-03 15:27:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 232.62 Mbit/s

95th percentile per-packet one-way delay: 50.325 ms

Loss rate: 0.00%

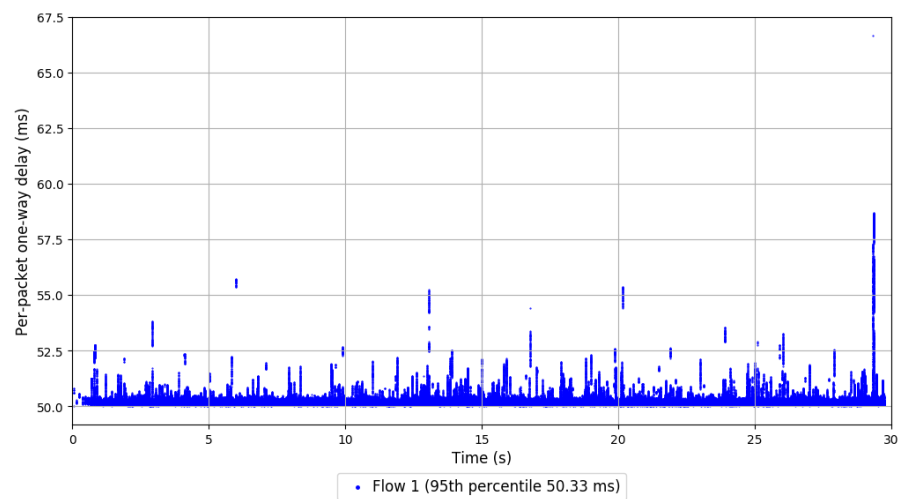
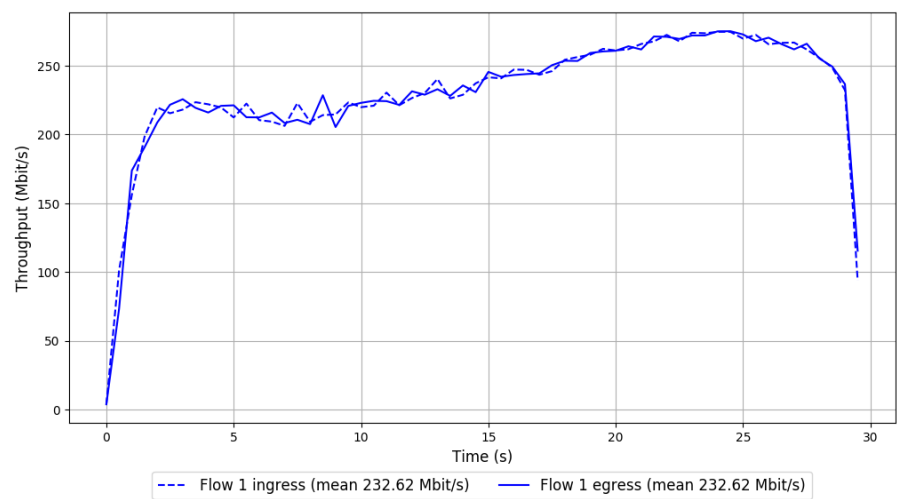
-- Flow 1:

Average throughput: 232.62 Mbit/s

95th percentile per-packet one-way delay: 50.325 ms

Loss rate: 0.00%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-04-03 11:45:48

End at: 2018-04-03 11:46:18

Below is generated by plot.py at 2018-04-03 15:27:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 234.46 Mbit/s

95th percentile per-packet one-way delay: 50.315 ms

Loss rate: 0.00%

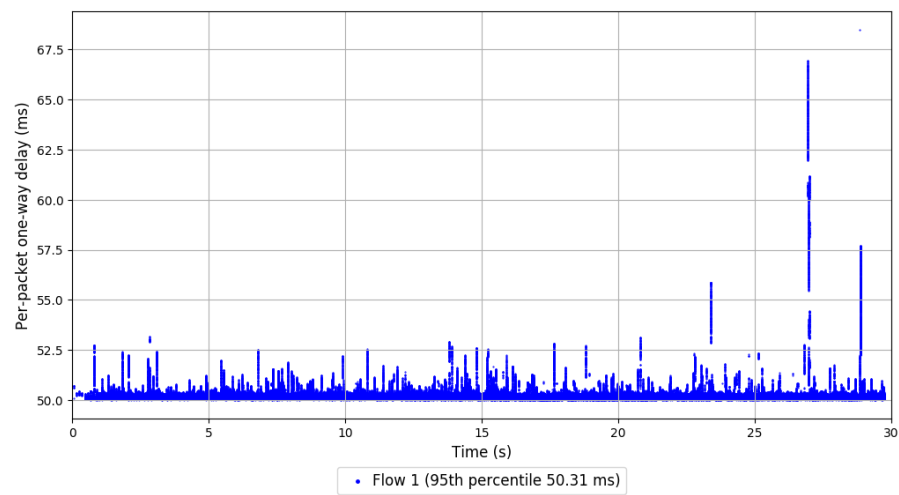
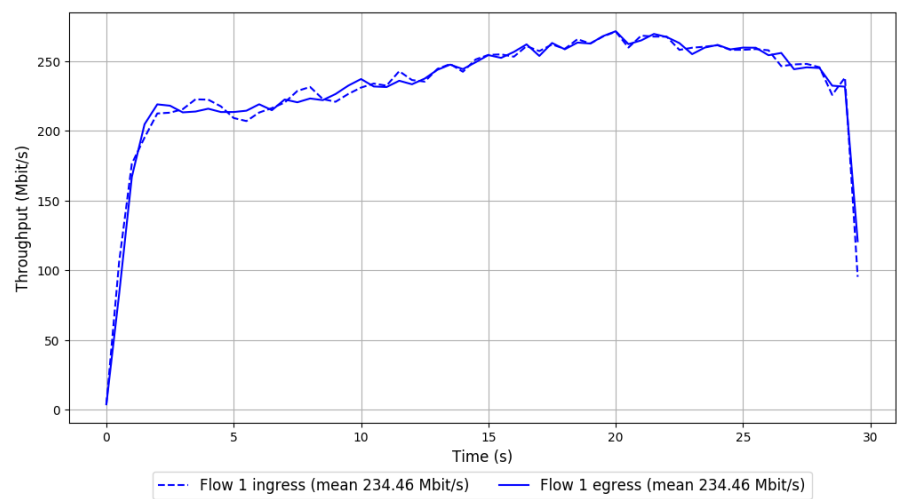
-- Flow 1:

Average throughput: 234.46 Mbit/s

95th percentile per-packet one-way delay: 50.315 ms

Loss rate: 0.00%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-04-03 12:00:17

End at: 2018-04-03 12:00:47

Below is generated by plot.py at 2018-04-03 15:27:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.69 Mbit/s

95th percentile per-packet one-way delay: 53.138 ms

Loss rate: 0.00%

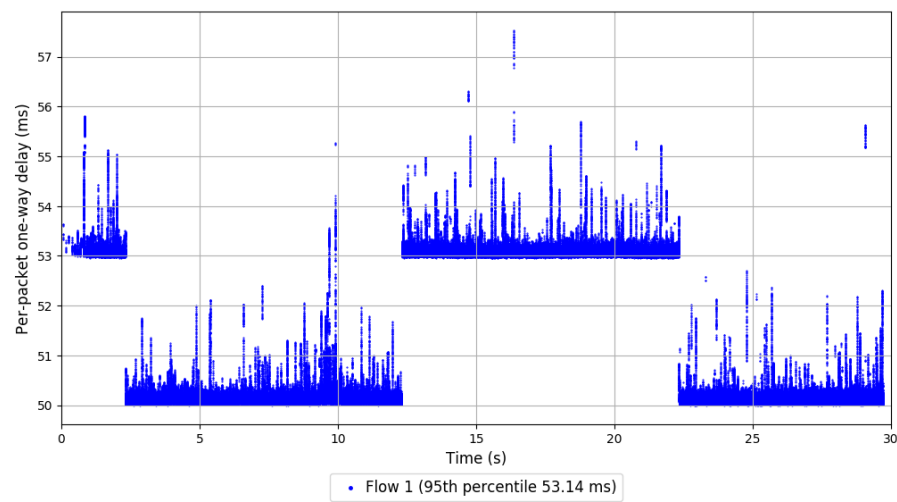
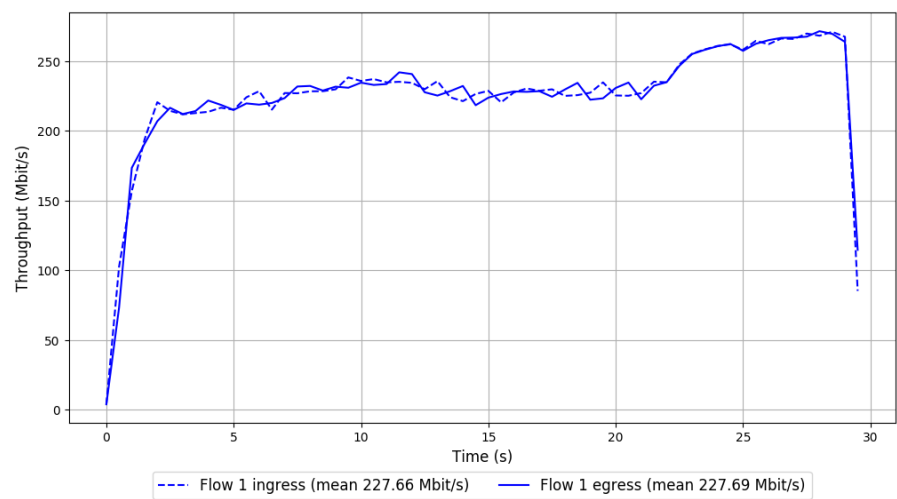
-- Flow 1:

Average throughput: 227.69 Mbit/s

95th percentile per-packet one-way delay: 53.138 ms

Loss rate: 0.00%

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



Run 1: Statistics of Vivace-latency

Start at: 2018-04-03 09:51:34

End at: 2018-04-03 09:52:04

Below is generated by plot.py at 2018-04-03 15:27:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 359.92 Mbit/s

95th percentile per-packet one-way delay: 54.170 ms

Loss rate: 0.00%

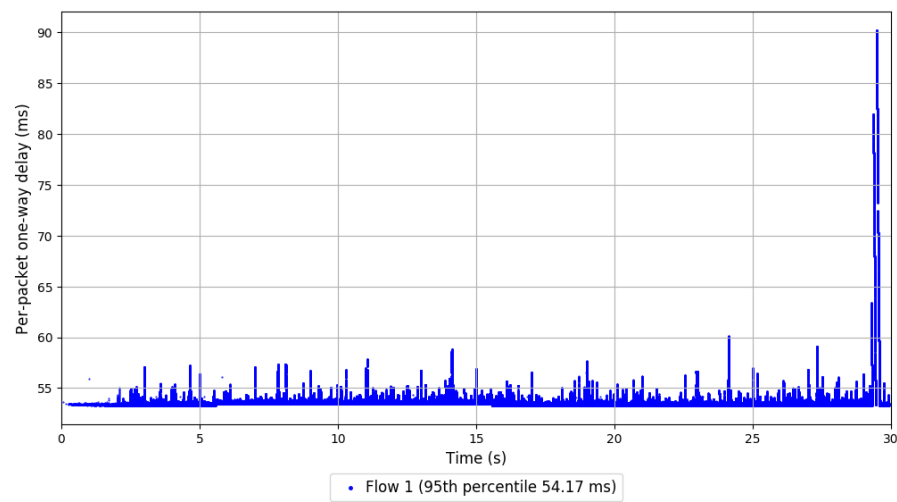
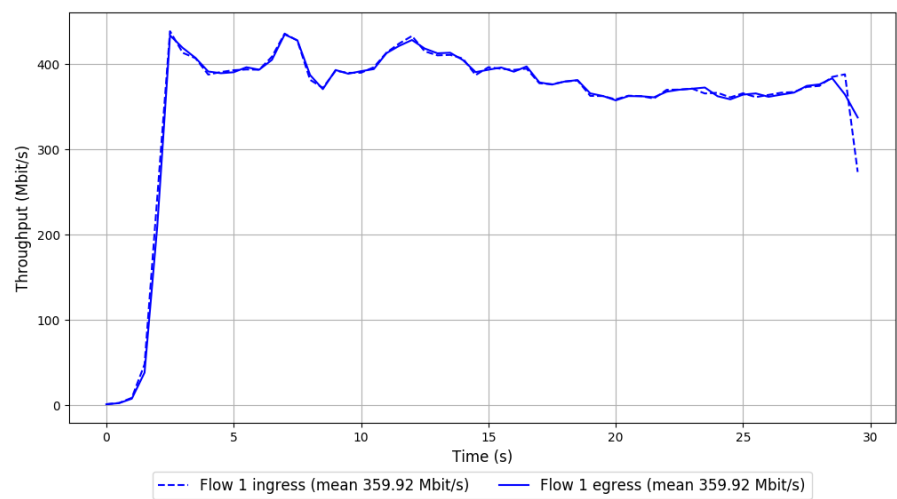
-- Flow 1:

Average throughput: 359.92 Mbit/s

95th percentile per-packet one-way delay: 54.170 ms

Loss rate: 0.00%

Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-04-03 10:05:56

End at: 2018-04-03 10:06:26

Below is generated by plot.py at 2018-04-03 15:27:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 360.08 Mbit/s

95th percentile per-packet one-way delay: 51.052 ms

Loss rate: 0.00%

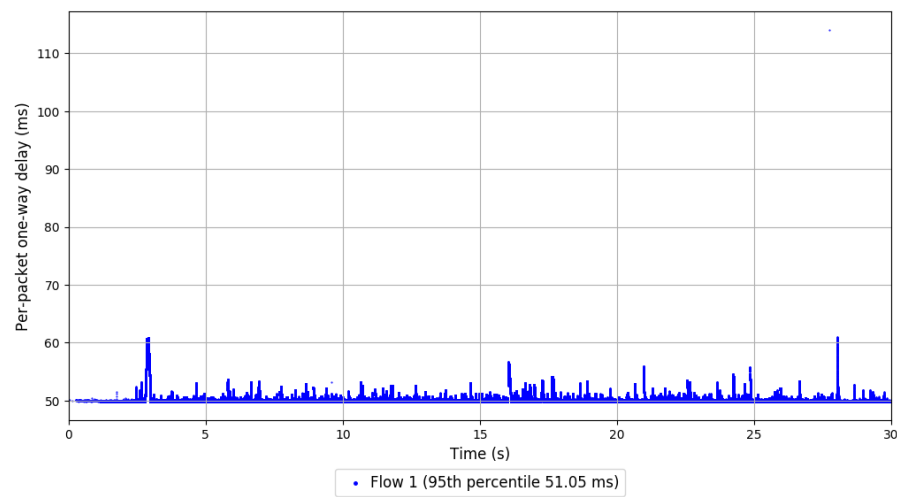
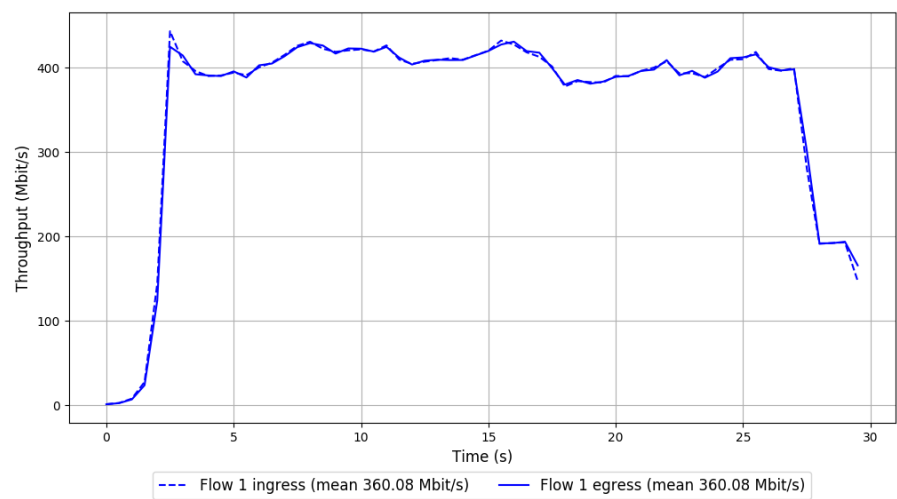
-- Flow 1:

Average throughput: 360.08 Mbit/s

95th percentile per-packet one-way delay: 51.052 ms

Loss rate: 0.00%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-04-03 10:20:22

End at: 2018-04-03 10:20:52

Below is generated by plot.py at 2018-04-03 15:27:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 335.02 Mbit/s

95th percentile per-packet one-way delay: 53.295 ms

Loss rate: 0.00%

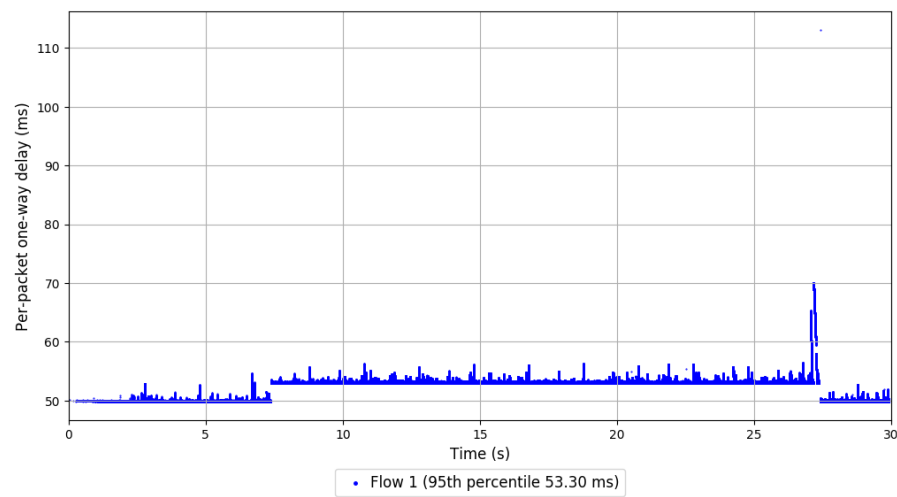
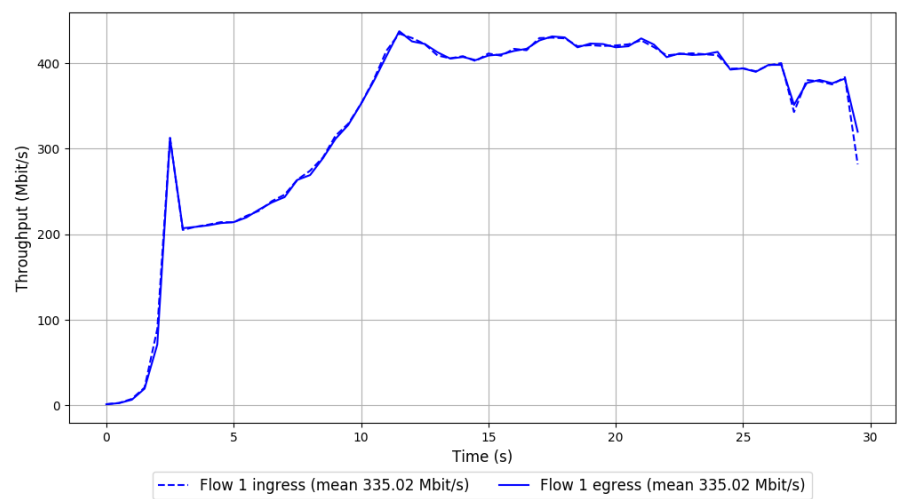
-- Flow 1:

Average throughput: 335.02 Mbit/s

95th percentile per-packet one-way delay: 53.295 ms

Loss rate: 0.00%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-04-03 10:34:41

End at: 2018-04-03 10:35:11

Below is generated by plot.py at 2018-04-03 15:27:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 339.25 Mbit/s

95th percentile per-packet one-way delay: 54.214 ms

Loss rate: 0.01%

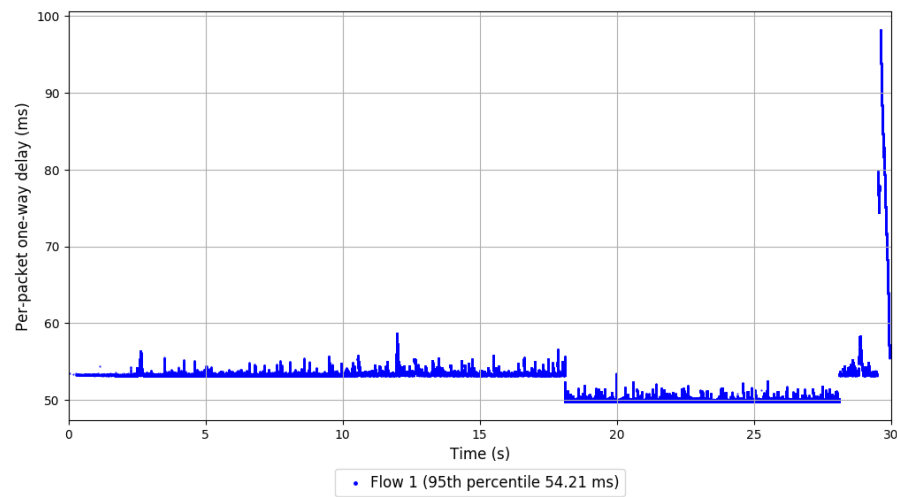
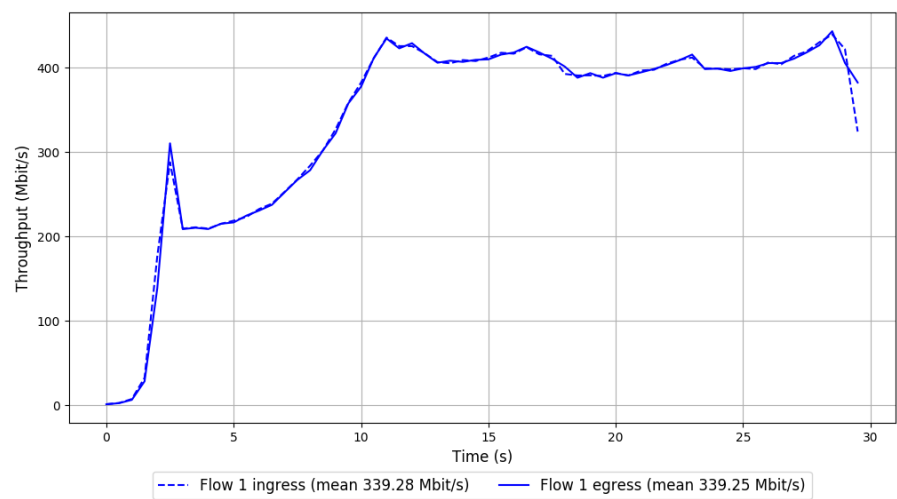
-- Flow 1:

Average throughput: 339.25 Mbit/s

95th percentile per-packet one-way delay: 54.214 ms

Loss rate: 0.01%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-04-03 10:48:51

End at: 2018-04-03 10:49:21

Below is generated by plot.py at 2018-04-03 15:28:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 363.97 Mbit/s

95th percentile per-packet one-way delay: 53.752 ms

Loss rate: 0.00%

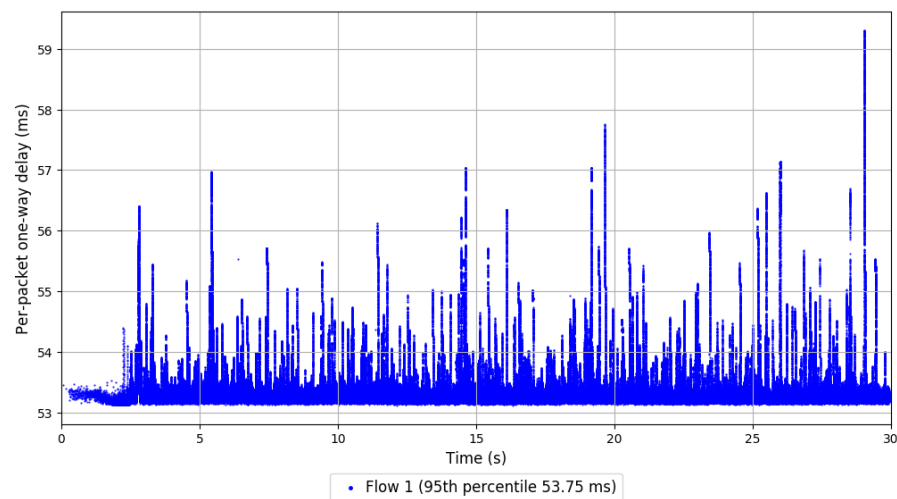
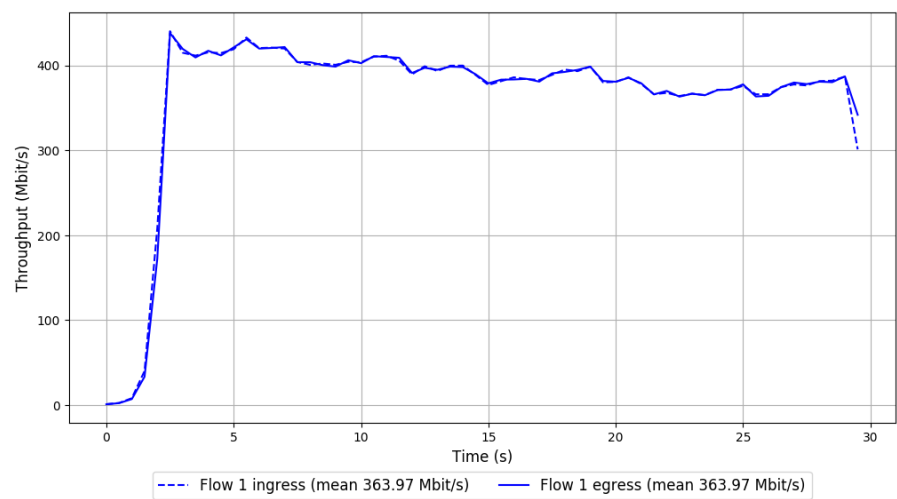
-- Flow 1:

Average throughput: 363.97 Mbit/s

95th percentile per-packet one-way delay: 53.752 ms

Loss rate: 0.00%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

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

End at: 2018-04-03 11:03:39

Below is generated by plot.py at 2018-04-03 15:28:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 340.37 Mbit/s

95th percentile per-packet one-way delay: 54.056 ms

Loss rate: 0.00%

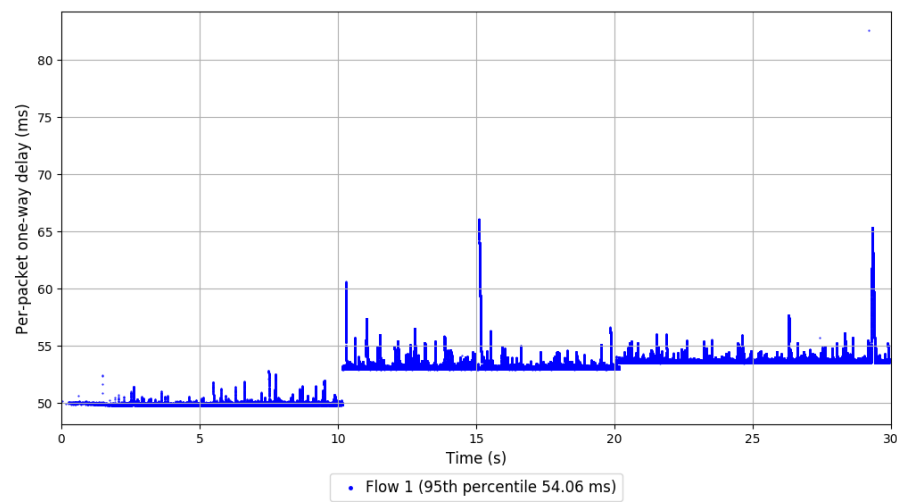
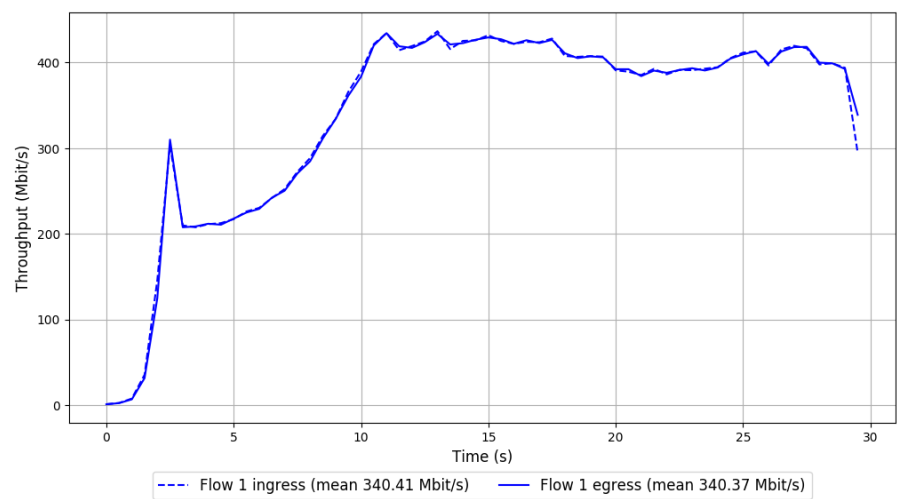
-- Flow 1:

Average throughput: 340.37 Mbit/s

95th percentile per-packet one-way delay: 54.056 ms

Loss rate: 0.00%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-04-03 11:17:34

End at: 2018-04-03 11:18:04

Below is generated by plot.py at 2018-04-03 15:32:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 295.71 Mbit/s

95th percentile per-packet one-way delay: 54.187 ms

Loss rate: 0.00%

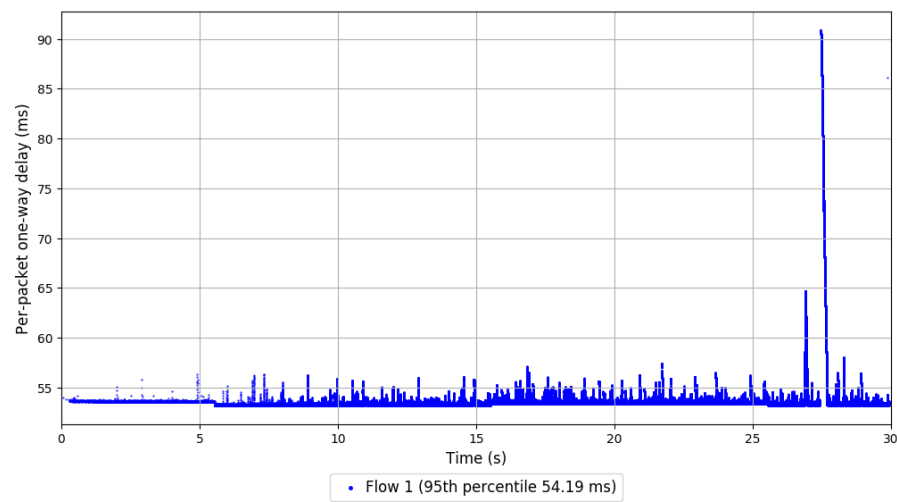
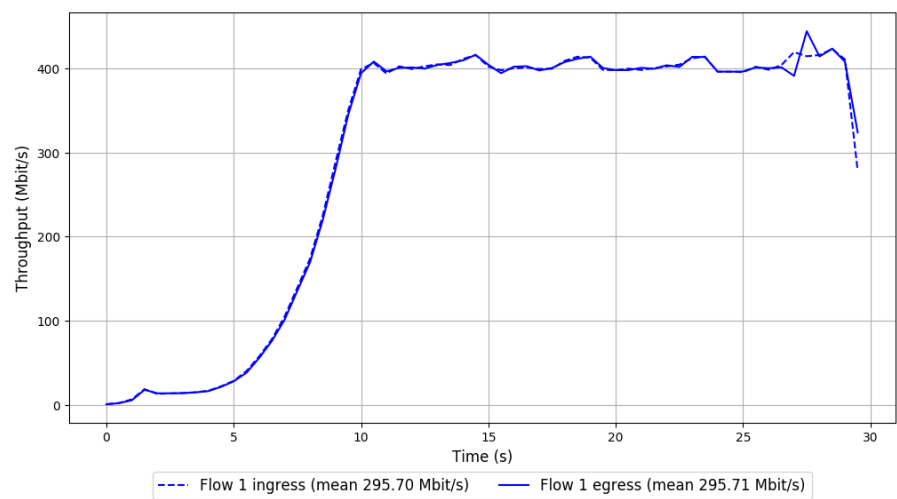
-- Flow 1:

Average throughput: 295.71 Mbit/s

95th percentile per-packet one-way delay: 54.187 ms

Loss rate: 0.00%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-04-03 11:31:57

End at: 2018-04-03 11:32:27

Below is generated by plot.py at 2018-04-03 15:34:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 380.35 Mbit/s

95th percentile per-packet one-way delay: 57.682 ms

Loss rate: 0.00%

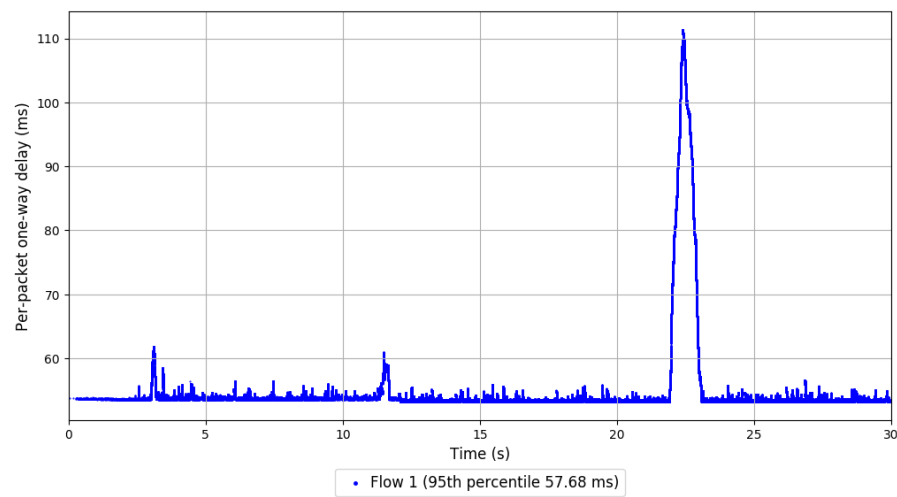
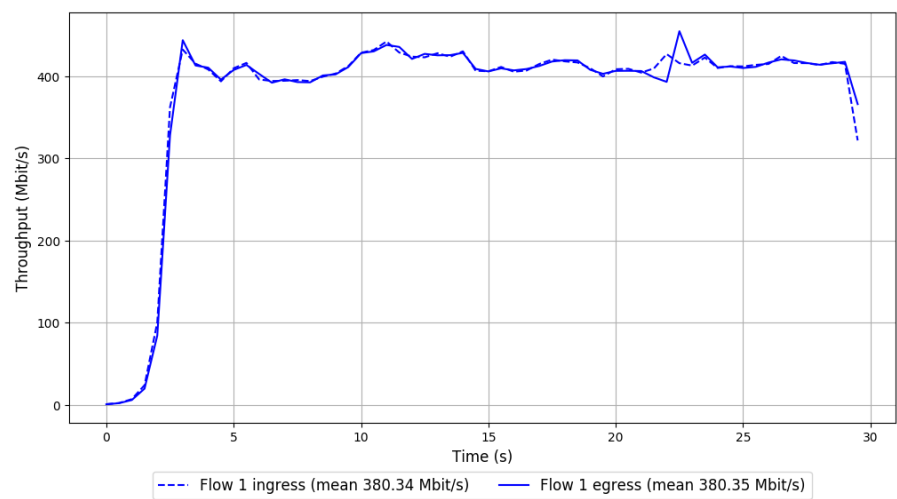
-- Flow 1:

Average throughput: 380.35 Mbit/s

95th percentile per-packet one-way delay: 57.682 ms

Loss rate: 0.00%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-04-03 11:46:39

End at: 2018-04-03 11:47:09

Below is generated by plot.py at 2018-04-03 15:34:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 337.26 Mbit/s

95th percentile per-packet one-way delay: 50.319 ms

Loss rate: 0.00%

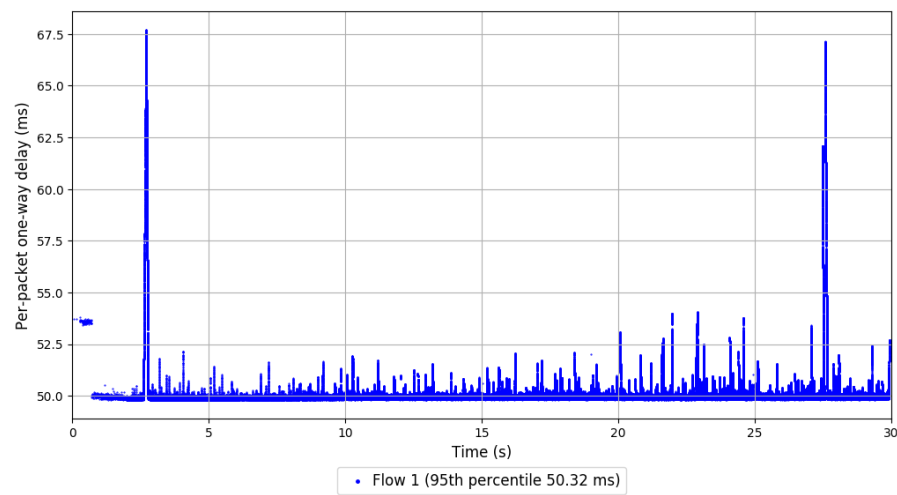
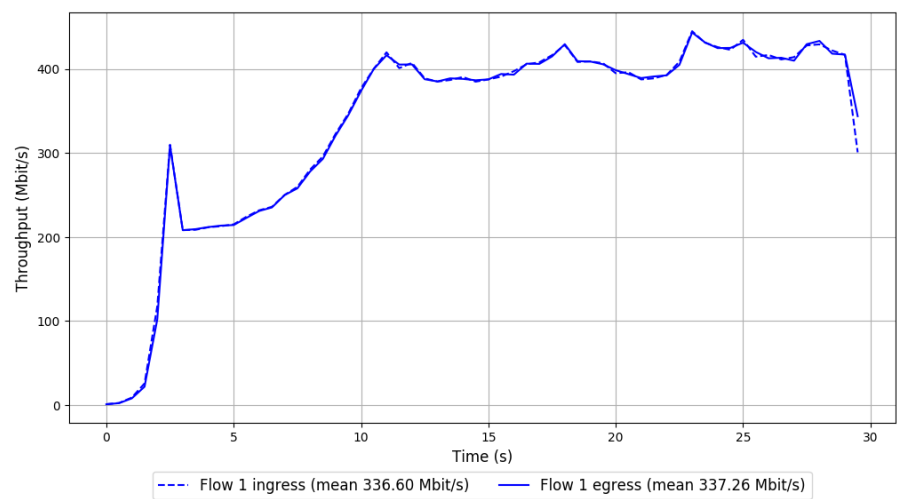
-- Flow 1:

Average throughput: 337.26 Mbit/s

95th percentile per-packet one-way delay: 50.319 ms

Loss rate: 0.00%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-04-03 12:01:08

End at: 2018-04-03 12:01:38

Below is generated by plot.py at 2018-04-03 15:35:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 364.16 Mbit/s

95th percentile per-packet one-way delay: 53.875 ms

Loss rate: 0.00%

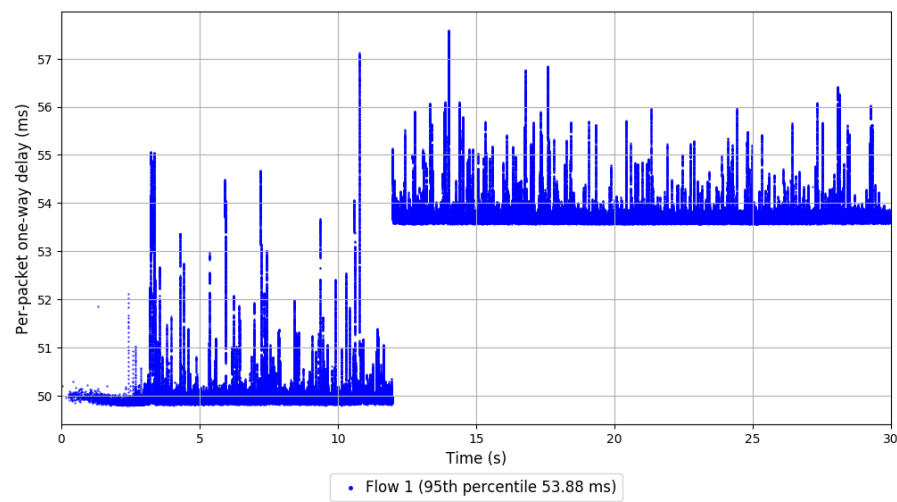
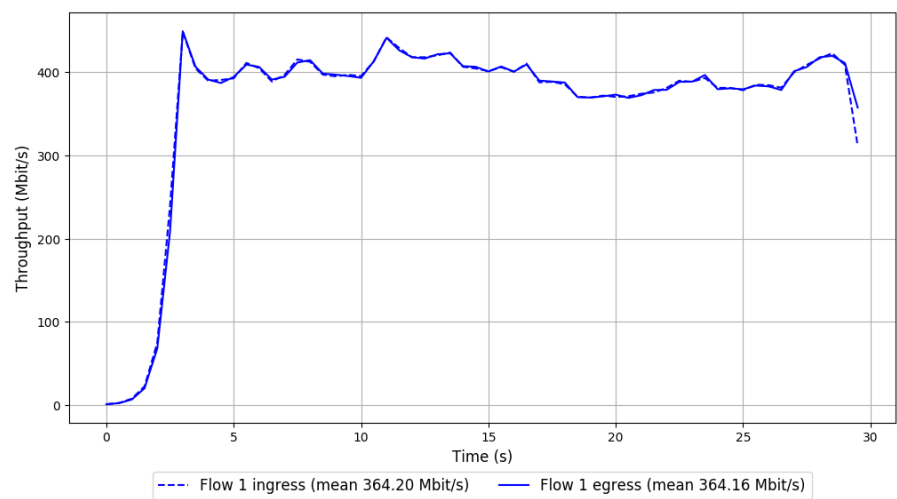
-- Flow 1:

Average throughput: 364.16 Mbit/s

95th percentile per-packet one-way delay: 53.875 ms

Loss rate: 0.00%

Run 10: Report of Vivace-latency — Data Link

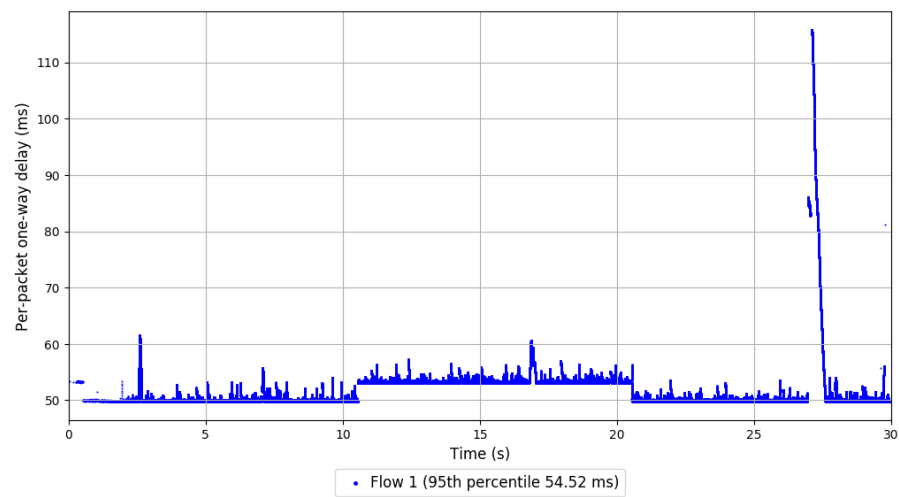
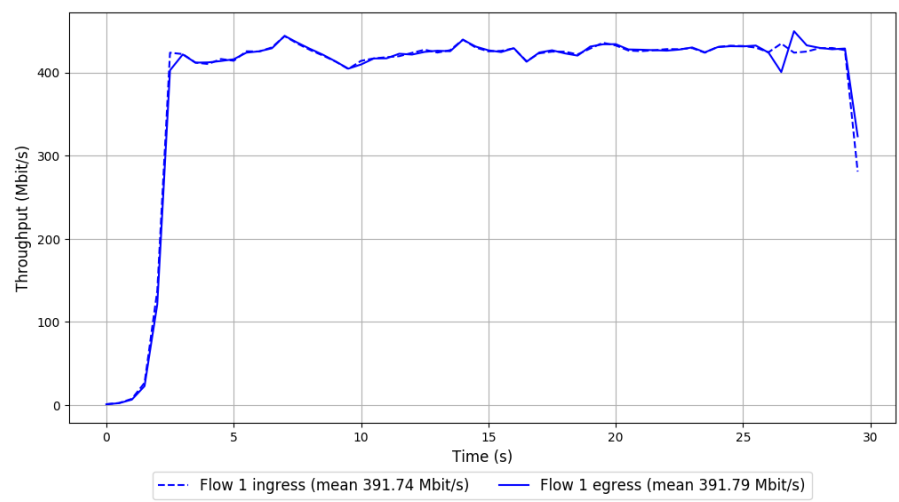


```
Run 1: Statistics of Vivace-loss

Start at: 2018-04-03 09:53:19
End at: 2018-04-03 09:53:49

# Below is generated by plot.py at 2018-04-03 15:36:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 391.79 Mbit/s
95th percentile per-packet one-way delay: 54.518 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 391.79 Mbit/s
95th percentile per-packet one-way delay: 54.518 ms
Loss rate: 0.00%
```

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-04-03 10:07:39

End at: 2018-04-03 10:08:09

Below is generated by plot.py at 2018-04-03 15:36:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 395.17 Mbit/s

95th percentile per-packet one-way delay: 54.055 ms

Loss rate: 0.00%

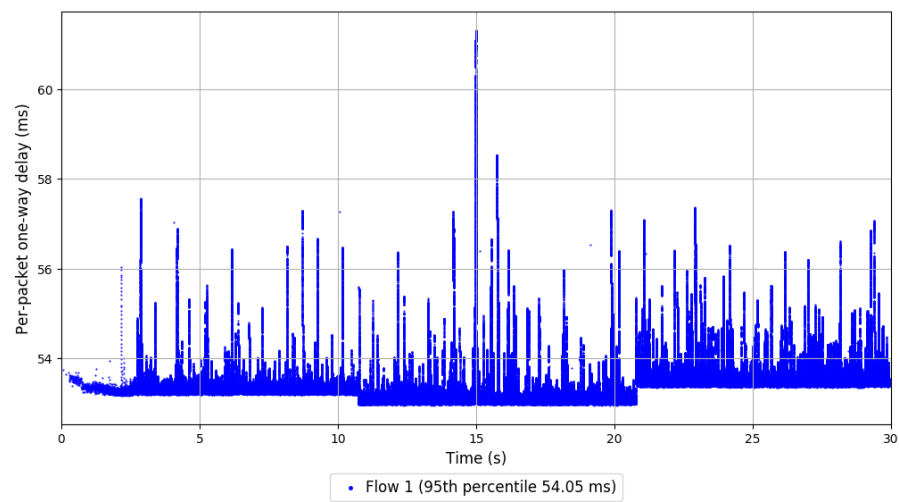
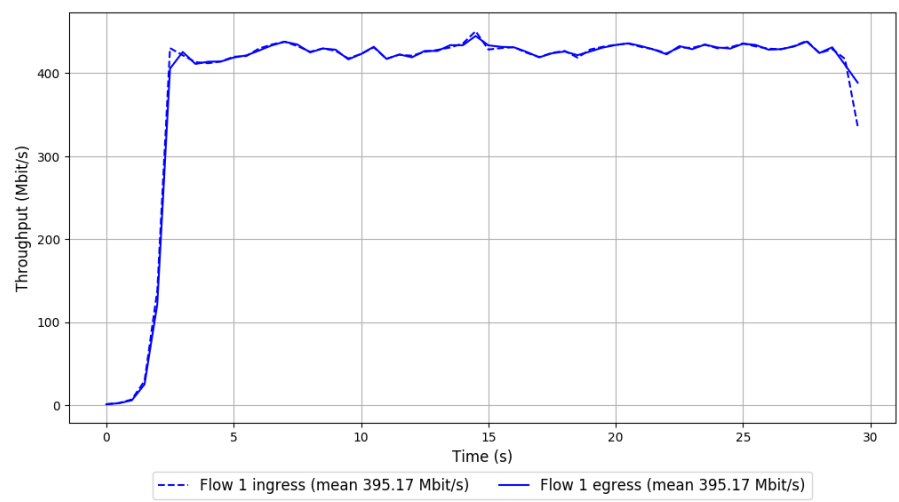
-- Flow 1:

Average throughput: 395.17 Mbit/s

95th percentile per-packet one-way delay: 54.055 ms

Loss rate: 0.00%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-04-03 10:22:04

End at: 2018-04-03 10:22:34

Below is generated by plot.py at 2018-04-03 15:36:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 355.86 Mbit/s

95th percentile per-packet one-way delay: 54.421 ms

Loss rate: 0.00%

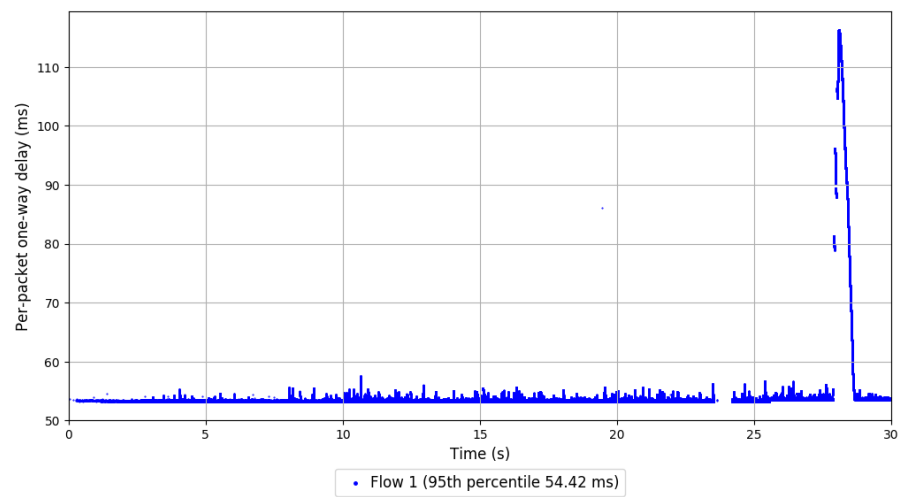
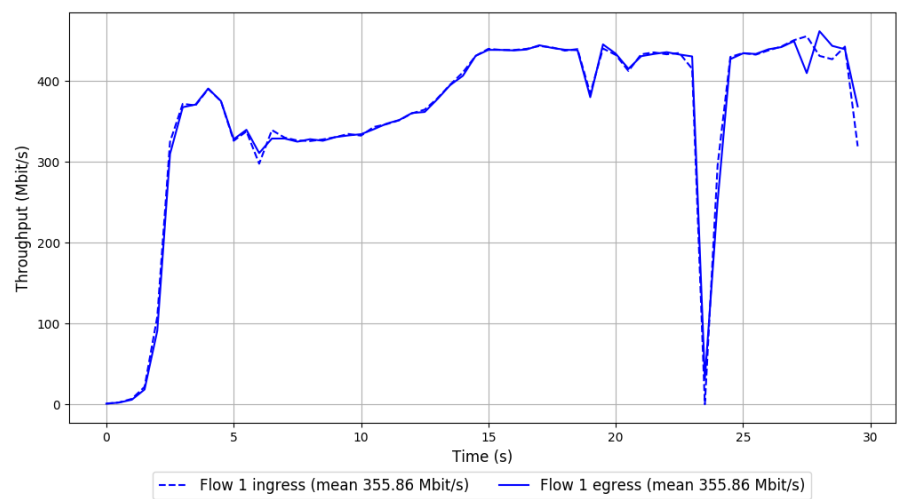
-- Flow 1:

Average throughput: 355.86 Mbit/s

95th percentile per-packet one-way delay: 54.421 ms

Loss rate: 0.00%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-04-03 10:36:20

End at: 2018-04-03 10:36:51

Below is generated by plot.py at 2018-04-03 15:37:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 403.11 Mbit/s

95th percentile per-packet one-way delay: 53.323 ms

Loss rate: 0.01%

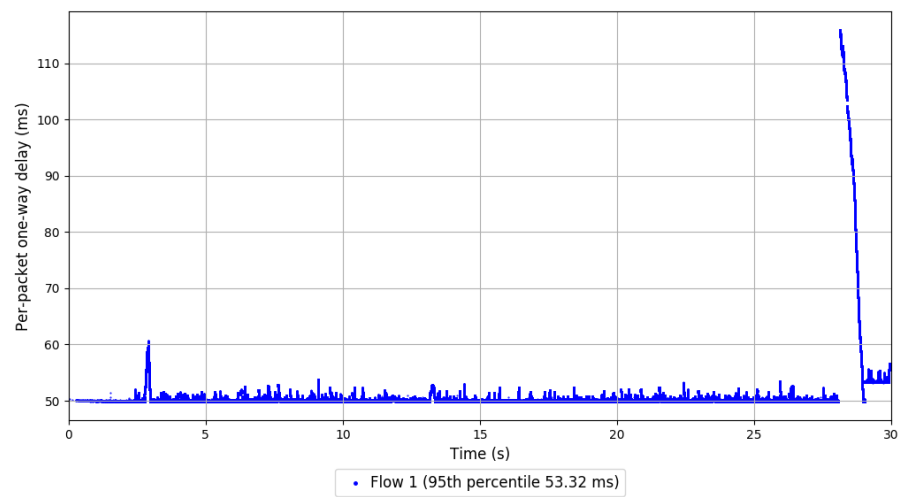
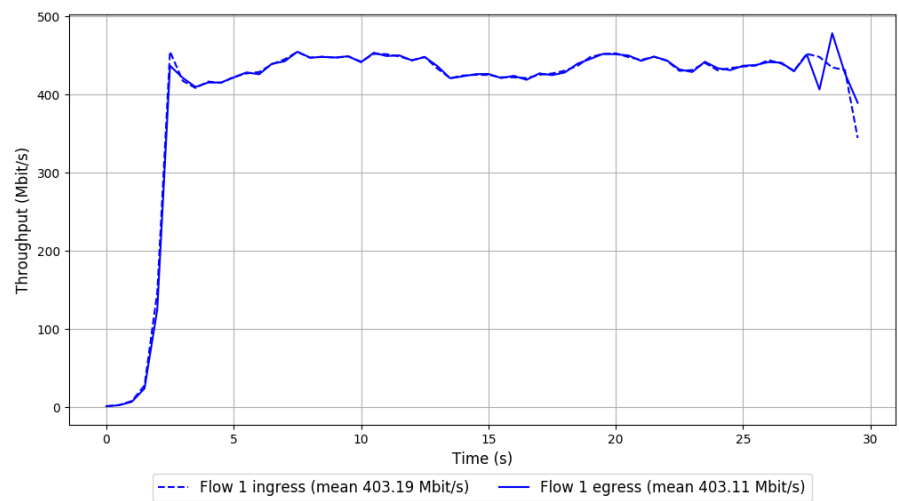
-- Flow 1:

Average throughput: 403.11 Mbit/s

95th percentile per-packet one-way delay: 53.323 ms

Loss rate: 0.01%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-04-03 10:50:36

End at: 2018-04-03 10:51:06

Below is generated by plot.py at 2018-04-03 15:40:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 349.08 Mbit/s

95th percentile per-packet one-way delay: 55.464 ms

Loss rate: 0.01%

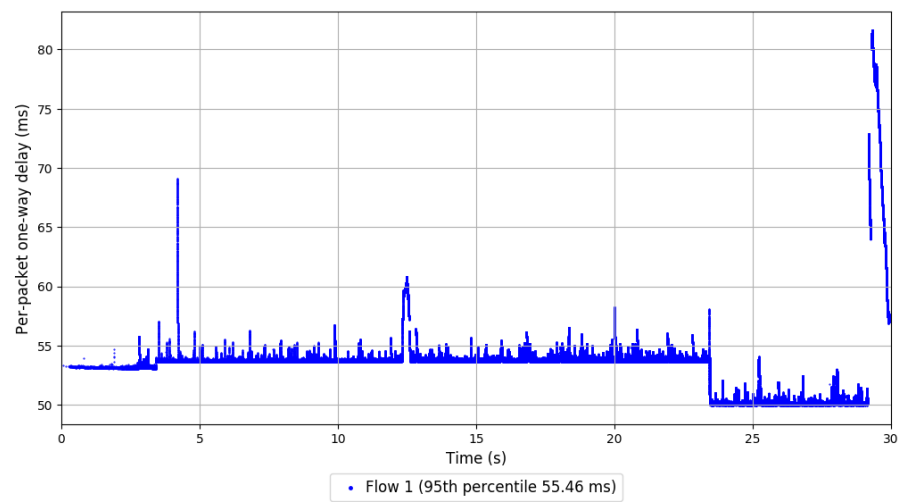
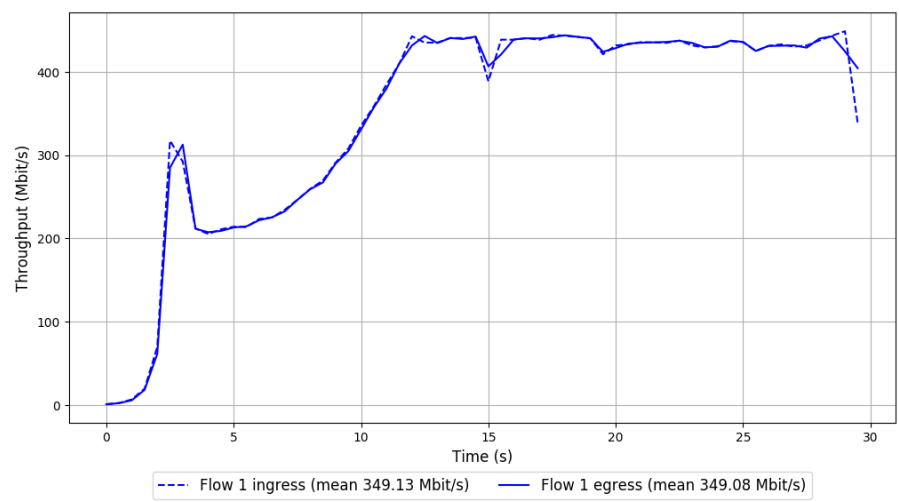
-- Flow 1:

Average throughput: 349.08 Mbit/s

95th percentile per-packet one-way delay: 55.464 ms

Loss rate: 0.01%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-04-03 11:04:53

End at: 2018-04-03 11:05:23

Below is generated by plot.py at 2018-04-03 15:43:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 394.14 Mbit/s

95th percentile per-packet one-way delay: 51.139 ms

Loss rate: 0.00%

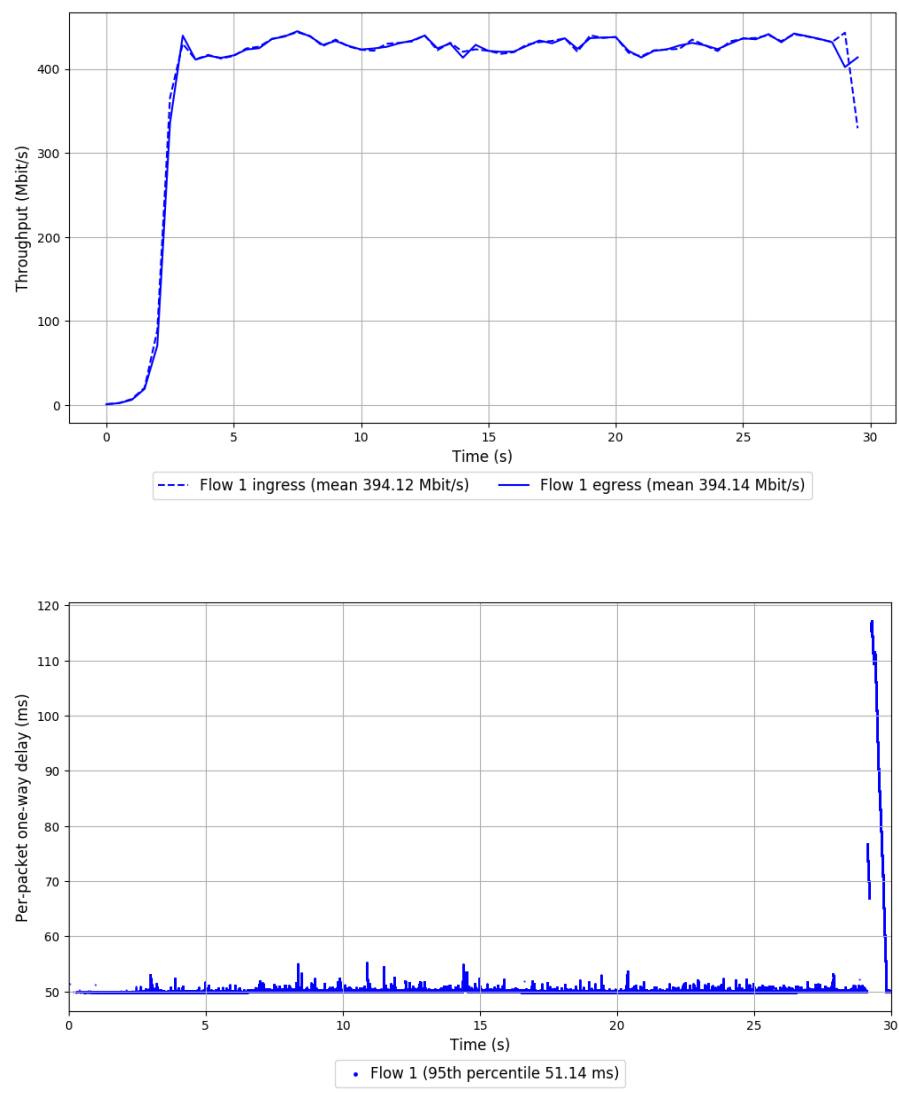
-- Flow 1:

Average throughput: 394.14 Mbit/s

95th percentile per-packet one-way delay: 51.139 ms

Loss rate: 0.00%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-04-03 11:19:13

End at: 2018-04-03 11:19:43

Below is generated by plot.py at 2018-04-03 15:43:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 396.14 Mbit/s

95th percentile per-packet one-way delay: 52.934 ms

Loss rate: 0.00%

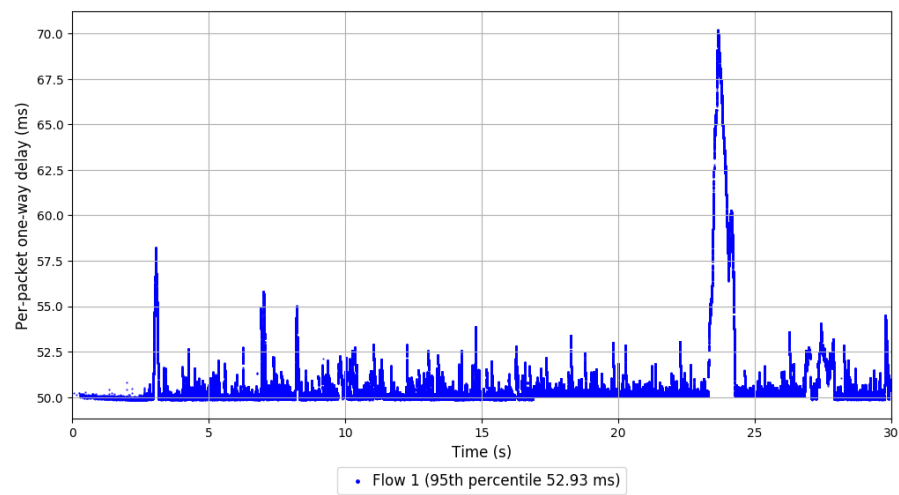
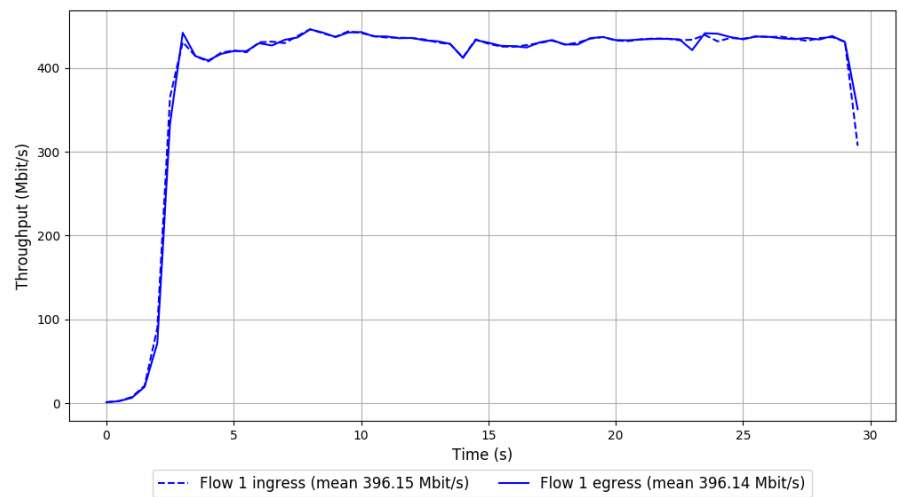
-- Flow 1:

Average throughput: 396.14 Mbit/s

95th percentile per-packet one-way delay: 52.934 ms

Loss rate: 0.00%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-04-03 11:33:52

End at: 2018-04-03 11:34:22

Below is generated by plot.py at 2018-04-03 15:43:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 382.69 Mbit/s

95th percentile per-packet one-way delay: 53.973 ms

Loss rate: 0.00%

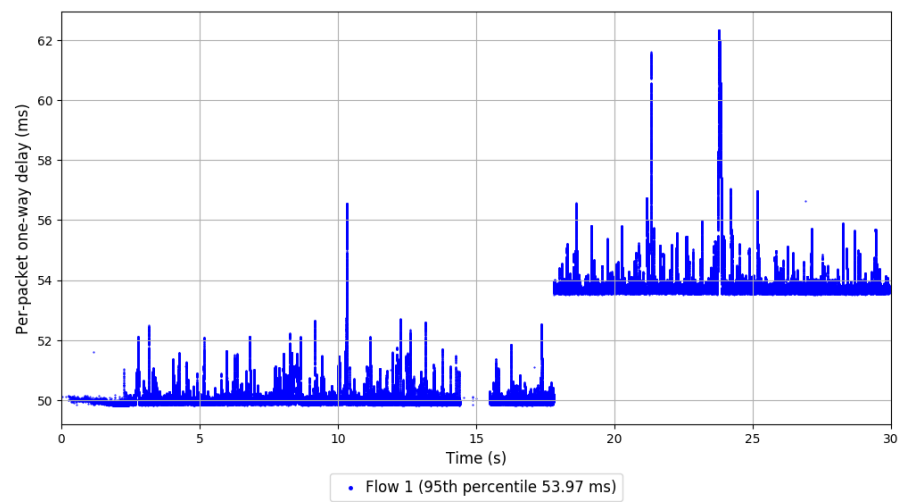
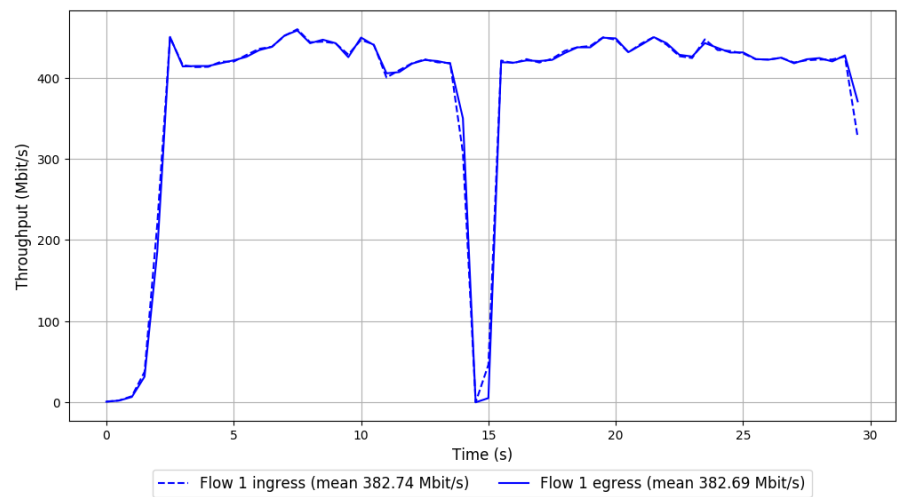
-- Flow 1:

Average throughput: 382.69 Mbit/s

95th percentile per-packet one-way delay: 53.973 ms

Loss rate: 0.00%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-04-03 11:48:22

End at: 2018-04-03 11:48:52

Below is generated by plot.py at 2018-04-03 15:44:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 398.32 Mbit/s

95th percentile per-packet one-way delay: 54.262 ms

Loss rate: 0.00%

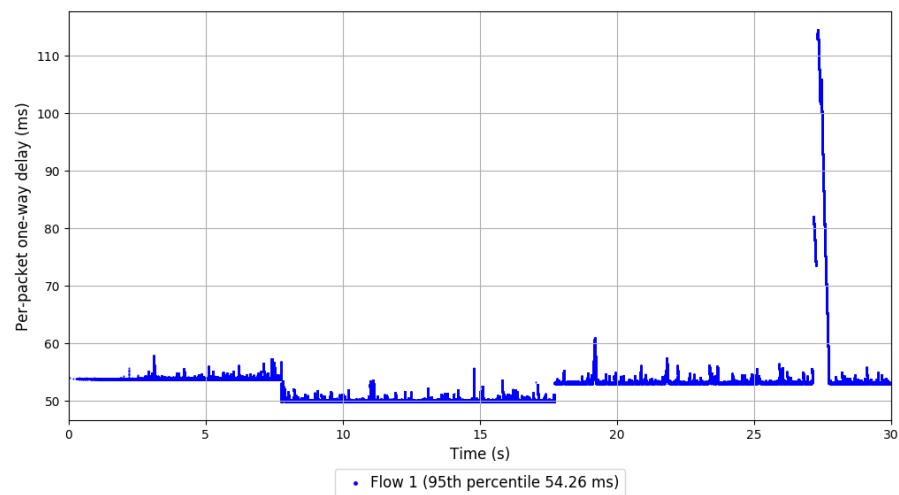
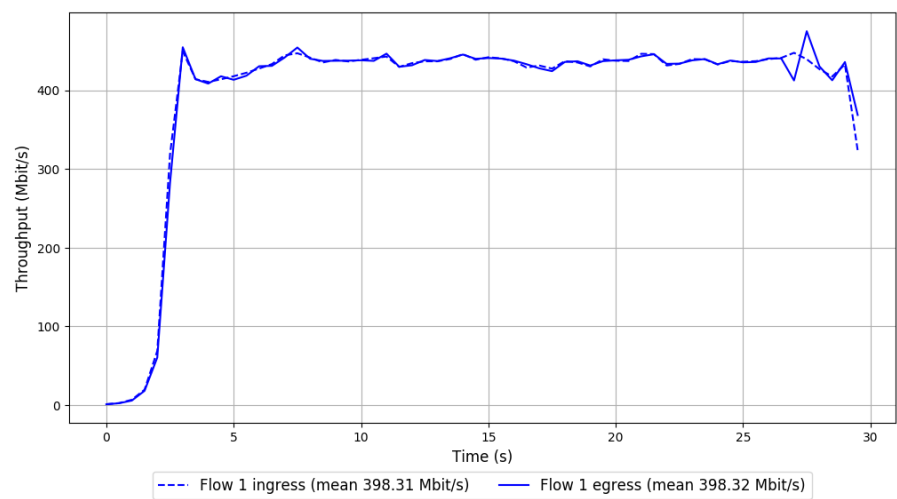
-- Flow 1:

Average throughput: 398.32 Mbit/s

95th percentile per-packet one-way delay: 54.262 ms

Loss rate: 0.00%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-04-03 12:02:52

End at: 2018-04-03 12:03:22

Below is generated by plot.py at 2018-04-03 15:45:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 384.87 Mbit/s

95th percentile per-packet one-way delay: 53.382 ms

Loss rate: 0.00%

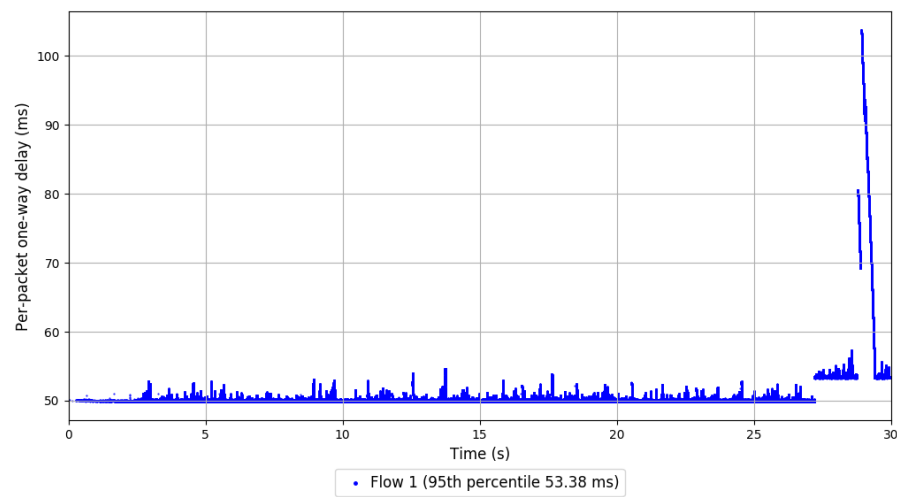
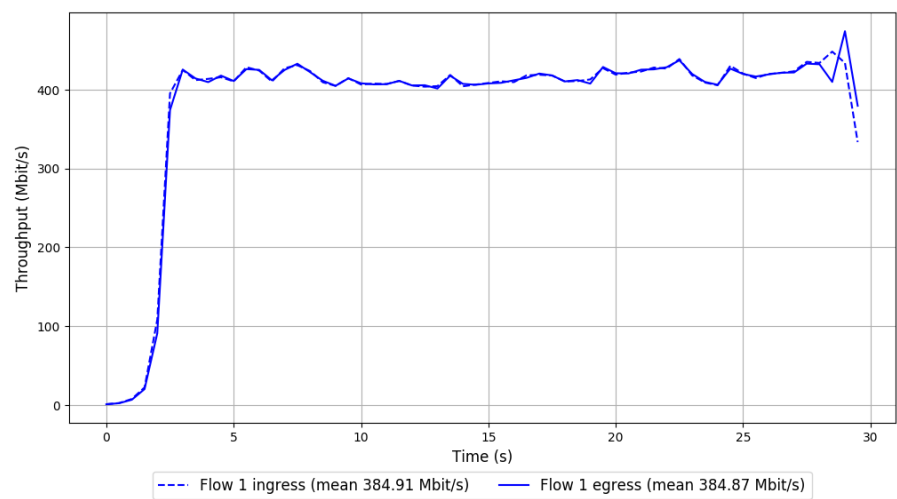
-- Flow 1:

Average throughput: 384.87 Mbit/s

95th percentile per-packet one-way delay: 53.382 ms

Loss rate: 0.00%

Run 10: Report of Vivace-loss — Data Link



Run 1: Statistics of Vivace-LTE

Start at: 2018-04-03 09:46:41

End at: 2018-04-03 09:47:11

Below is generated by plot.py at 2018-04-03 15:45:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 389.09 Mbit/s

95th percentile per-packet one-way delay: 55.929 ms

Loss rate: 0.02%

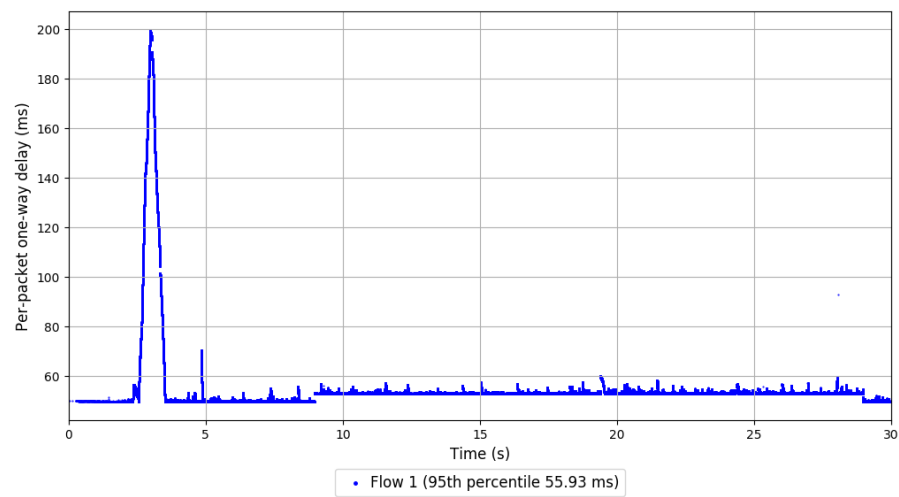
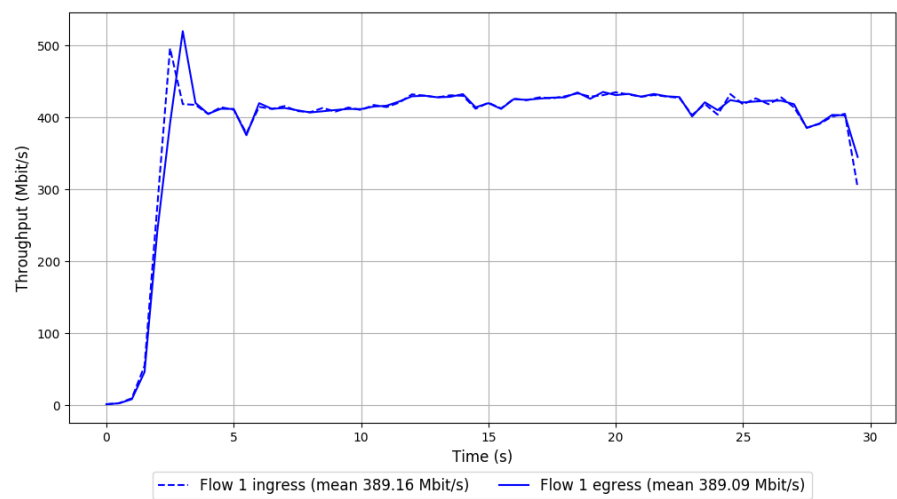
-- Flow 1:

Average throughput: 389.09 Mbit/s

95th percentile per-packet one-way delay: 55.929 ms

Loss rate: 0.02%

Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-04-03 10:01:19

End at: 2018-04-03 10:01:49

Below is generated by plot.py at 2018-04-03 15:46:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 374.45 Mbit/s

95th percentile per-packet one-way delay: 51.168 ms

Loss rate: 0.00%

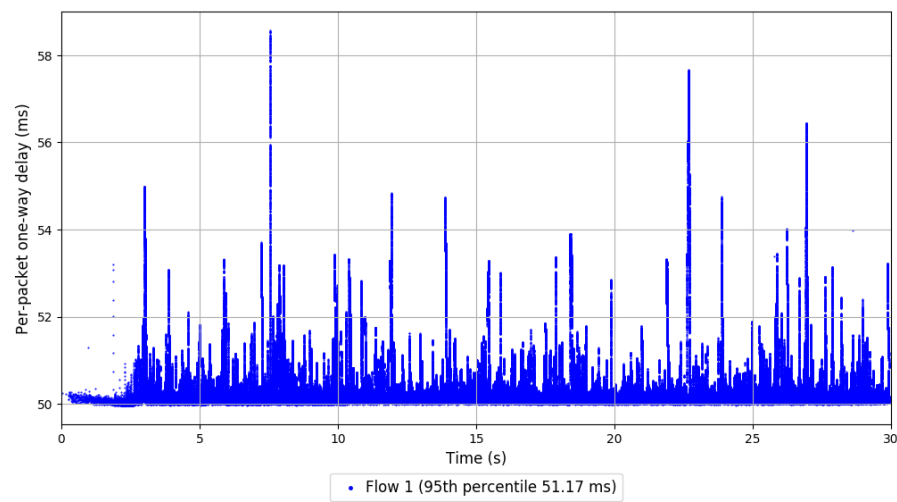
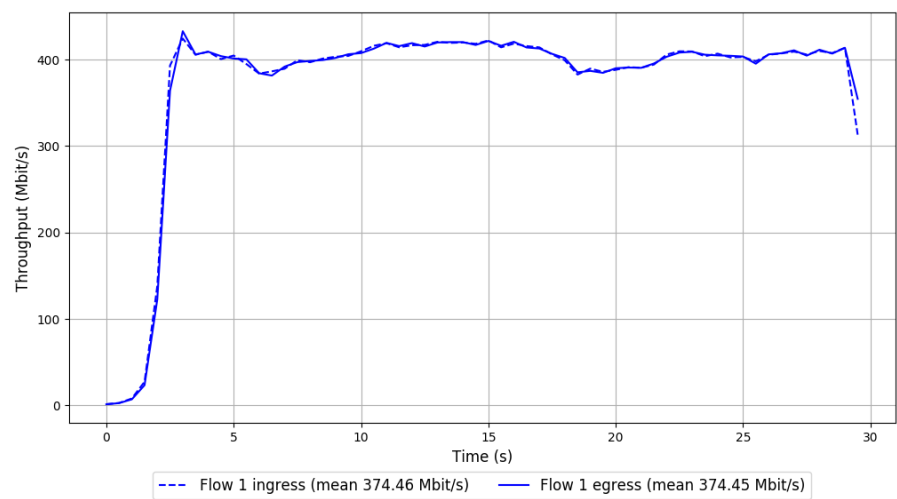
-- Flow 1:

Average throughput: 374.45 Mbit/s

95th percentile per-packet one-way delay: 51.168 ms

Loss rate: 0.00%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-04-03 10:15:43

End at: 2018-04-03 10:16:13

Below is generated by plot.py at 2018-04-03 15:47:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 302.97 Mbit/s

95th percentile per-packet one-way delay: 53.830 ms

Loss rate: 0.00%

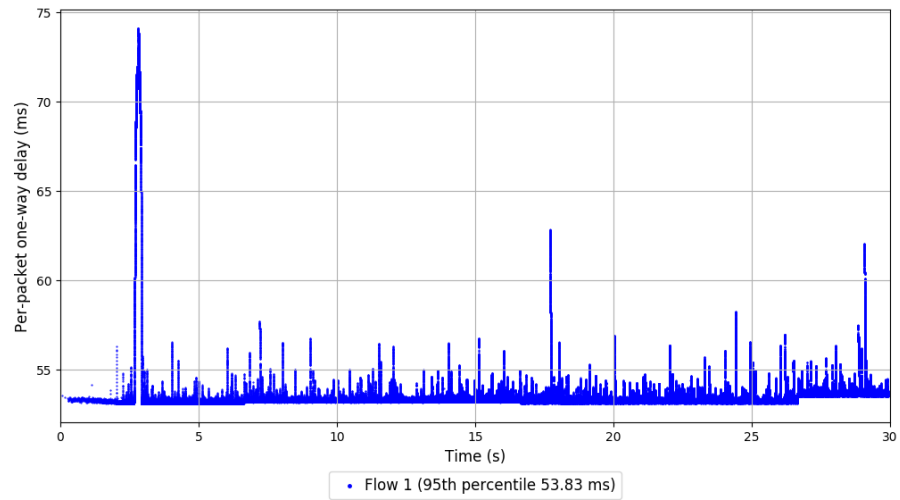
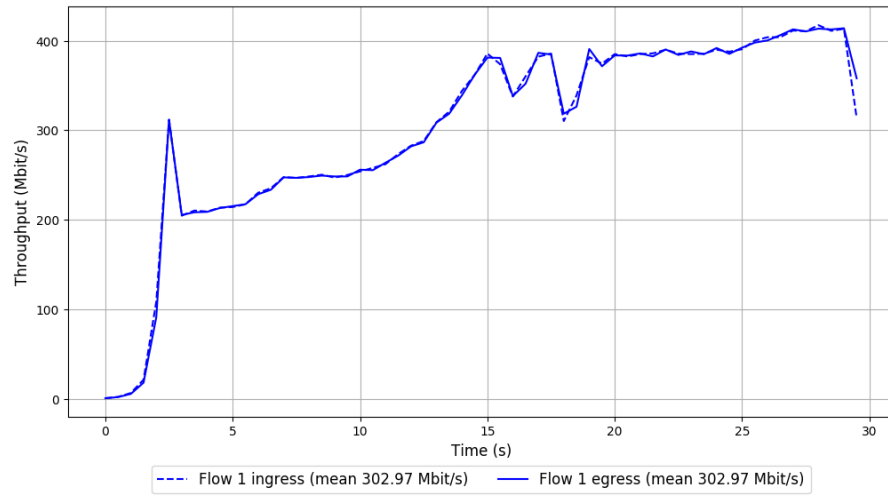
-- Flow 1:

Average throughput: 302.97 Mbit/s

95th percentile per-packet one-way delay: 53.830 ms

Loss rate: 0.00%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-04-03 10:29:59

End at: 2018-04-03 10:30:30

Below is generated by plot.py at 2018-04-03 15:51:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 384.88 Mbit/s

95th percentile per-packet one-way delay: 51.533 ms

Loss rate: 0.46%

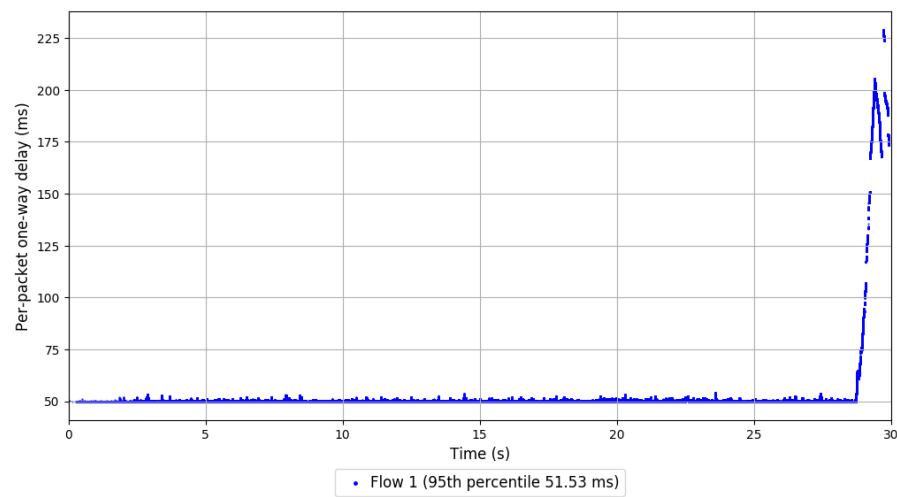
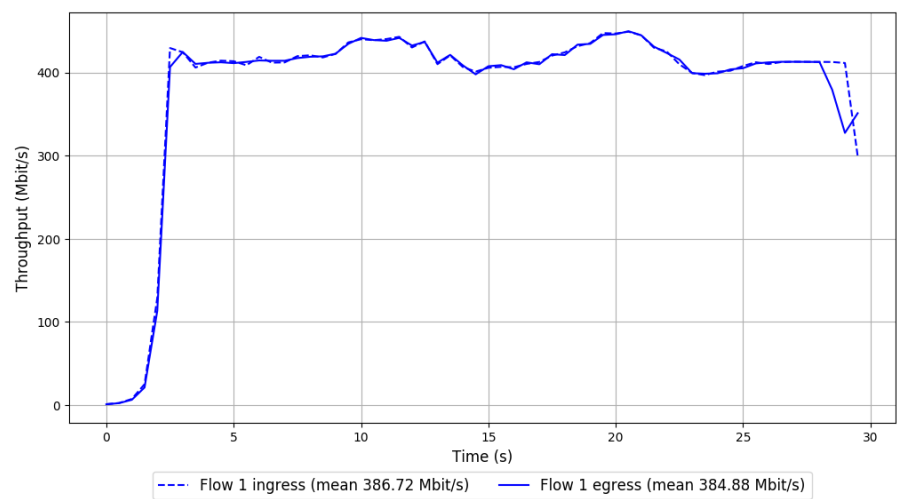
-- Flow 1:

Average throughput: 384.88 Mbit/s

95th percentile per-packet one-way delay: 51.533 ms

Loss rate: 0.46%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-04-03 10:44:20

End at: 2018-04-03 10:44:50

Below is generated by plot.py at 2018-04-03 15:51:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 389.07 Mbit/s

95th percentile per-packet one-way delay: 54.888 ms

Loss rate: 0.00%

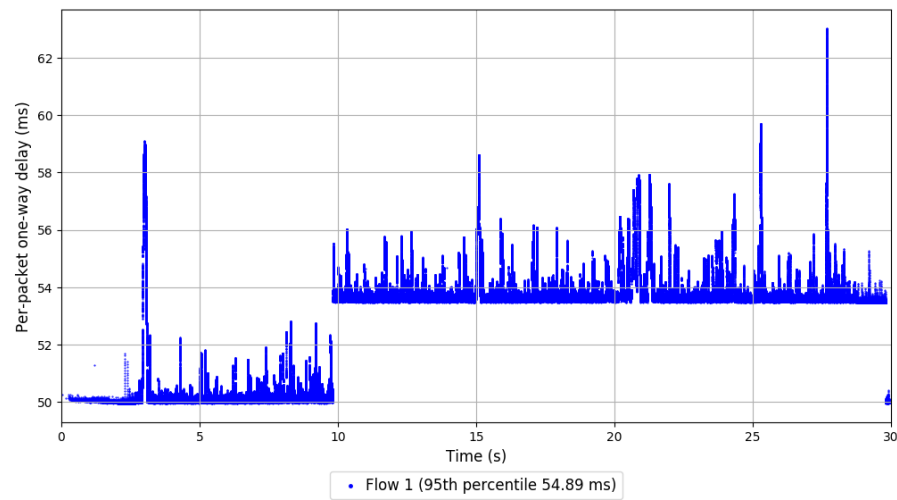
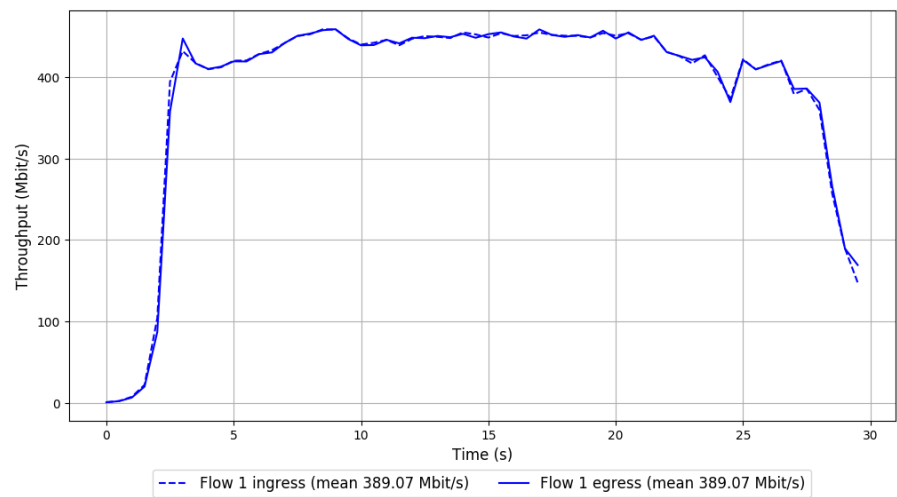
-- Flow 1:

Average throughput: 389.07 Mbit/s

95th percentile per-packet one-way delay: 54.888 ms

Loss rate: 0.00%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-04-03 10:58:31

End at: 2018-04-03 10:59:01

Below is generated by plot.py at 2018-04-03 15:51:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 379.80 Mbit/s

95th percentile per-packet one-way delay: 92.570 ms

Loss rate: 0.00%

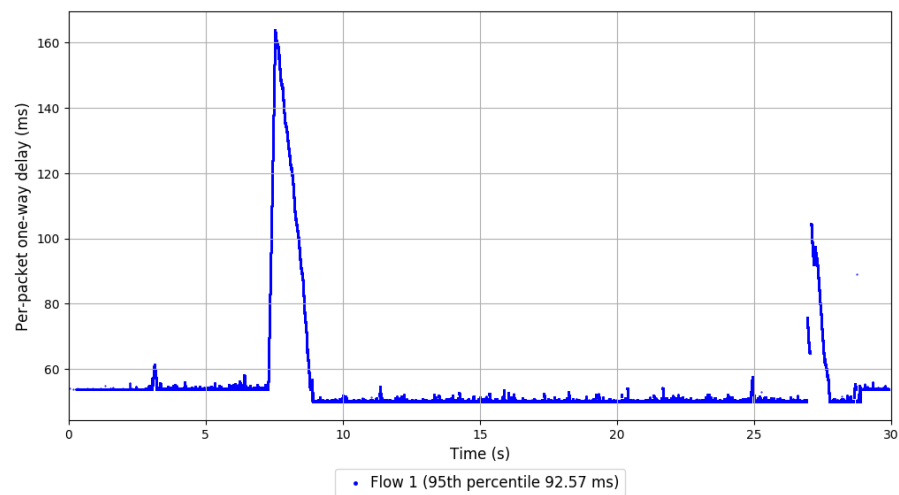
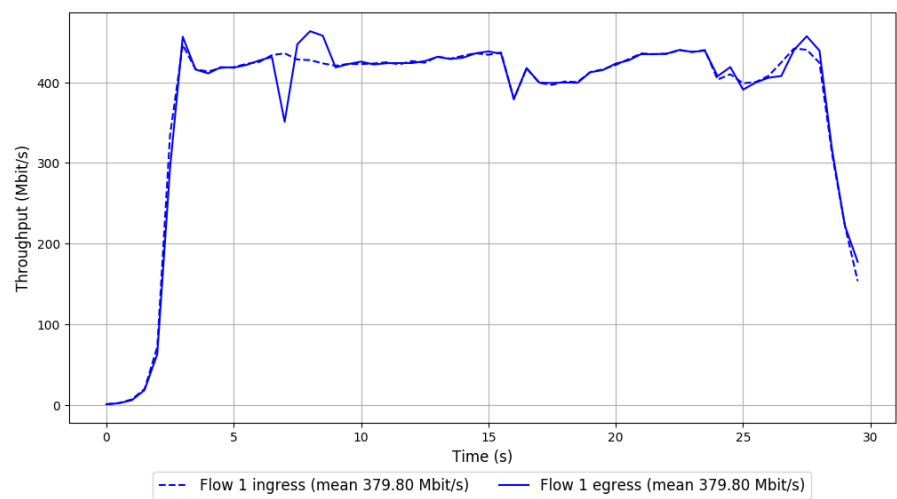
-- Flow 1:

Average throughput: 379.80 Mbit/s

95th percentile per-packet one-way delay: 92.570 ms

Loss rate: 0.00%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-04-03 11:12:55

End at: 2018-04-03 11:13:25

Below is generated by plot.py at 2018-04-03 15:51:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 373.57 Mbit/s

95th percentile per-packet one-way delay: 54.099 ms

Loss rate: 0.00%

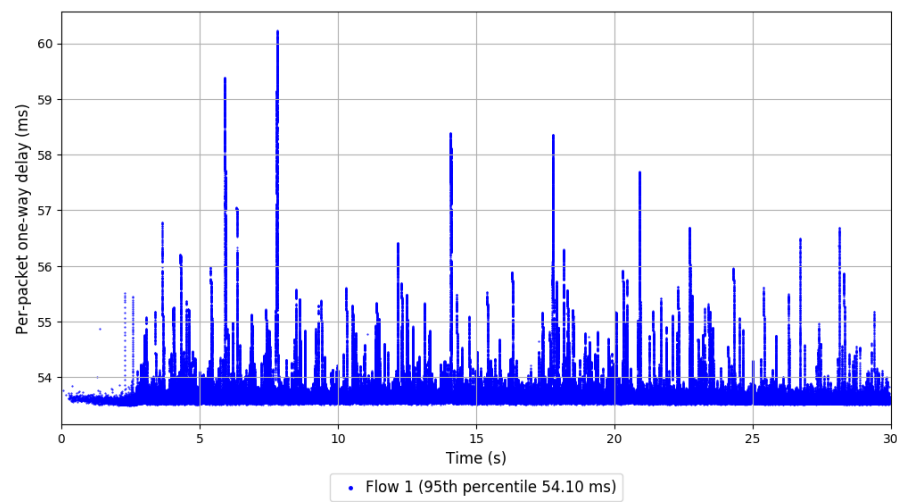
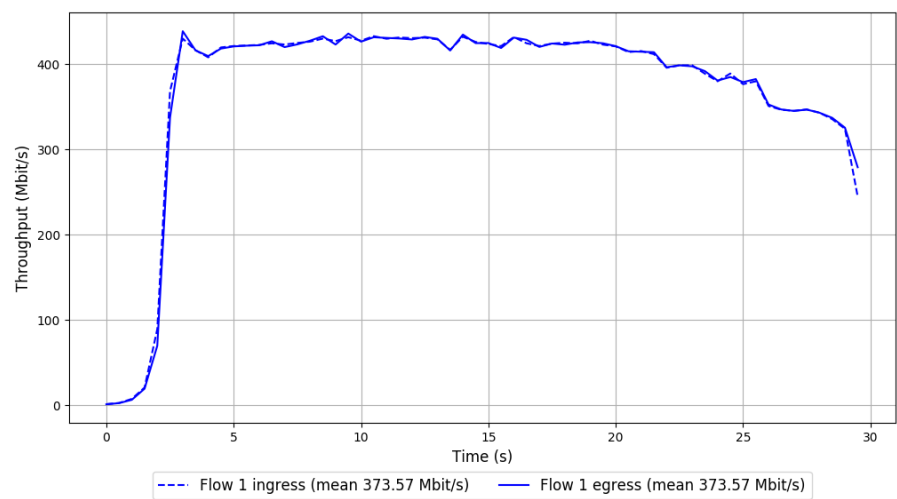
-- Flow 1:

Average throughput: 373.57 Mbit/s

95th percentile per-packet one-way delay: 54.099 ms

Loss rate: 0.00%

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-04-03 11:27:08

End at: 2018-04-03 11:27:38

Below is generated by plot.py at 2018-04-03 15:52:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 390.24 Mbit/s

95th percentile per-packet one-way delay: 50.595 ms

Loss rate: 0.00%

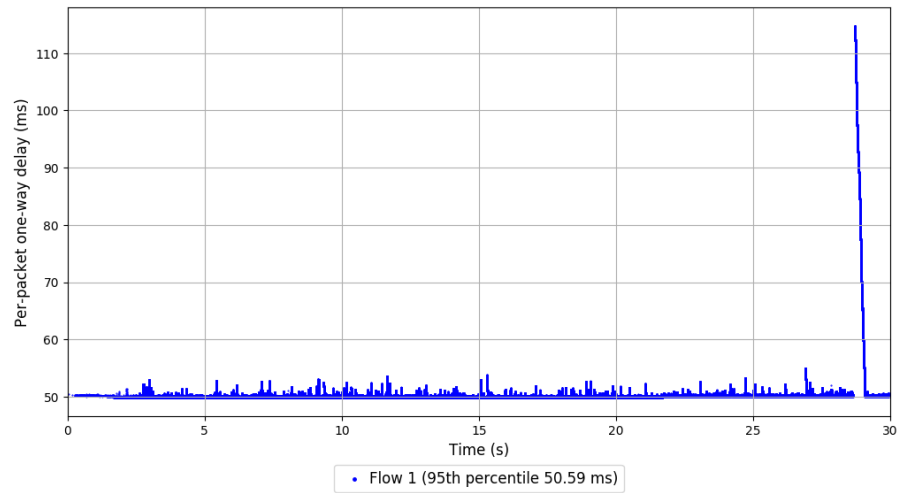
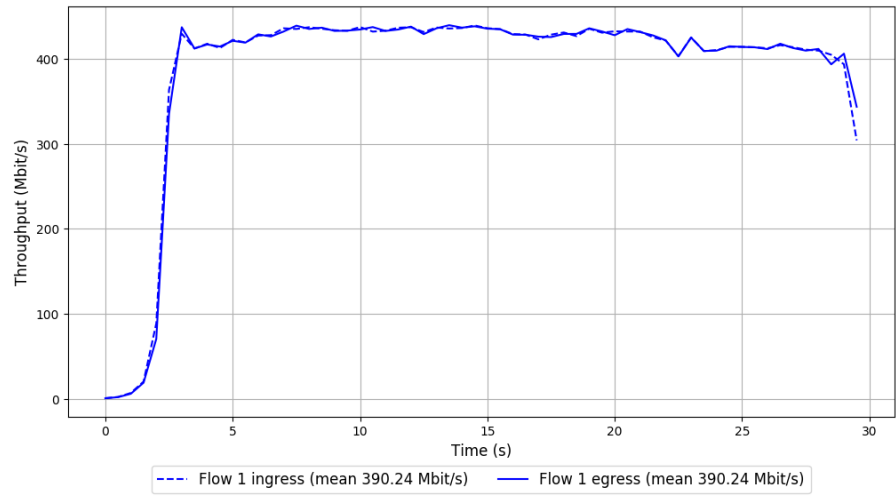
-- Flow 1:

Average throughput: 390.24 Mbit/s

95th percentile per-packet one-way delay: 50.595 ms

Loss rate: 0.00%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-04-03 11:41:48

End at: 2018-04-03 11:42:18

Below is generated by plot.py at 2018-04-03 15:52:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 346.55 Mbit/s

95th percentile per-packet one-way delay: 50.432 ms

Loss rate: 0.00%

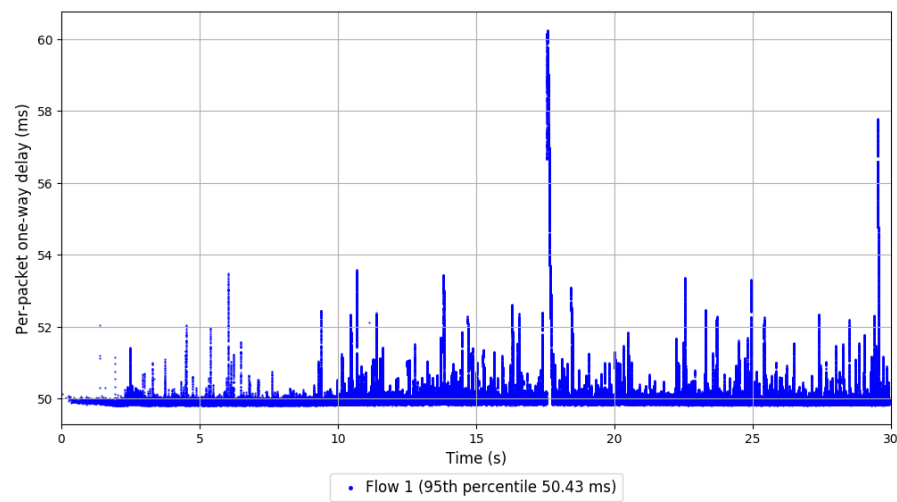
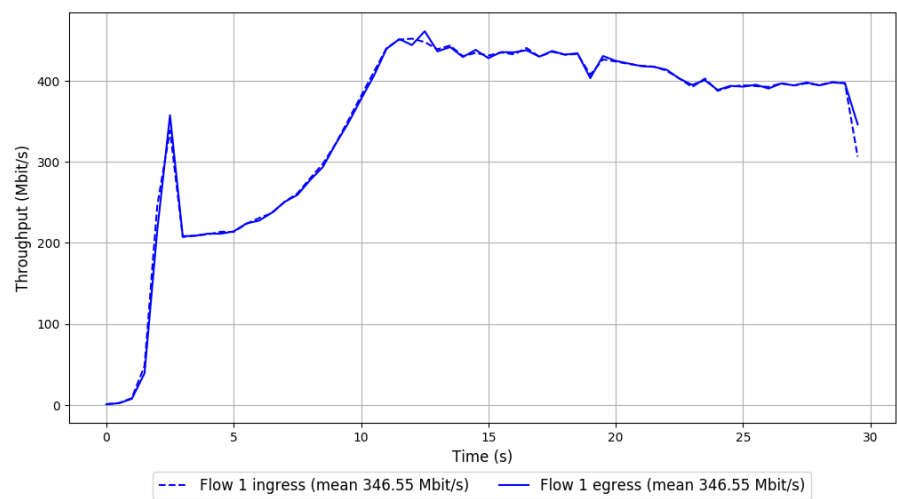
-- Flow 1:

Average throughput: 346.55 Mbit/s

95th percentile per-packet one-way delay: 50.432 ms

Loss rate: 0.00%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-04-03 11:56:22

End at: 2018-04-03 11:56:52

Below is generated by plot.py at 2018-04-03 15:52:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 380.19 Mbit/s

95th percentile per-packet one-way delay: 53.486 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 380.19 Mbit/s

95th percentile per-packet one-way delay: 53.486 ms

Loss rate: 0.00%

Run 10: Report of Vivace-LTE — Data Link

