

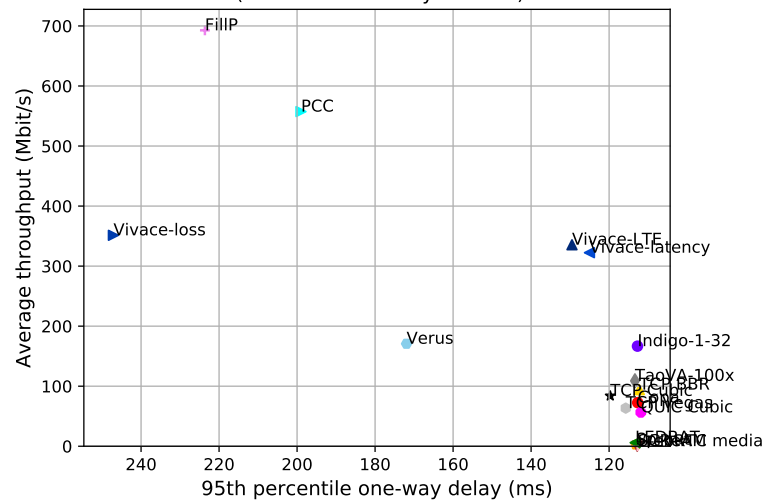
Pantheon Report

Generated at 2018-04-03 07:15:44 (UTC).
Data path: GCE London 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**).

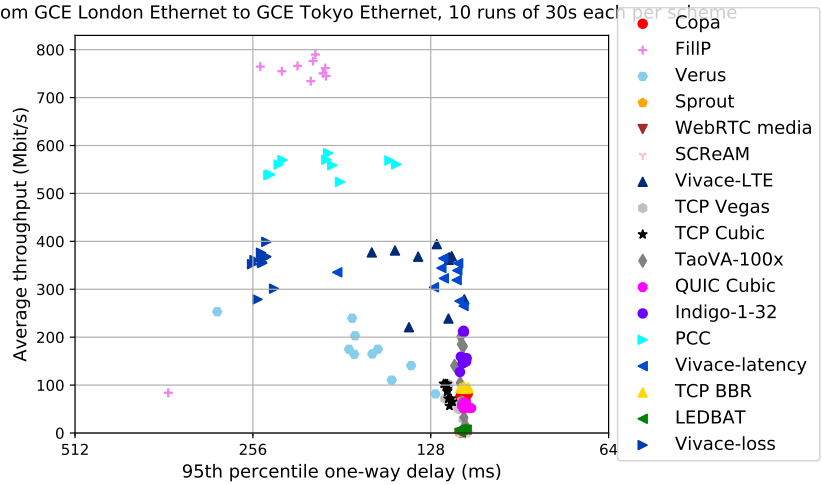
Git summary:

```
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 London Ethernet to GCE Tokyo Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from GCE London 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	94.27	112.25	0.00
TCP Cubic	10	83.90	119.71	0.00
LEDBAT	10	5.97	113.33	0.00
PCC	10	557.37	198.99	1.23
QUIC Cubic	7	56.44	111.87	0.00
SCReAM	10	0.21	112.66	0.00
WebRTC media	10	0.06	112.79	0.00
Sprout	10	2.53	113.14	0.00
TaoVA-100x	10	108.87	113.37	0.00
TCP Vegas	10	63.45	115.74	0.00
Verus	10	170.70	171.94	0.70
Copa	10	72.60	112.67	0.00
FillP	10	692.71	223.63	5.20
Indigo-1-32	10	166.69	112.72	0.00
Vivace-latency	10	322.35	125.05	0.02
Vivace-loss	10	351.31	247.09	2.14
Vivace-LTE	10	335.61	129.52	0.01

Run 1: Statistics of TCP BBR

Start at: 2018-04-03 02:26:26

End at: 2018-04-03 02:26:56

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.06 Mbit/s

95th percentile per-packet one-way delay: 114.033 ms

Loss rate: 0.00%

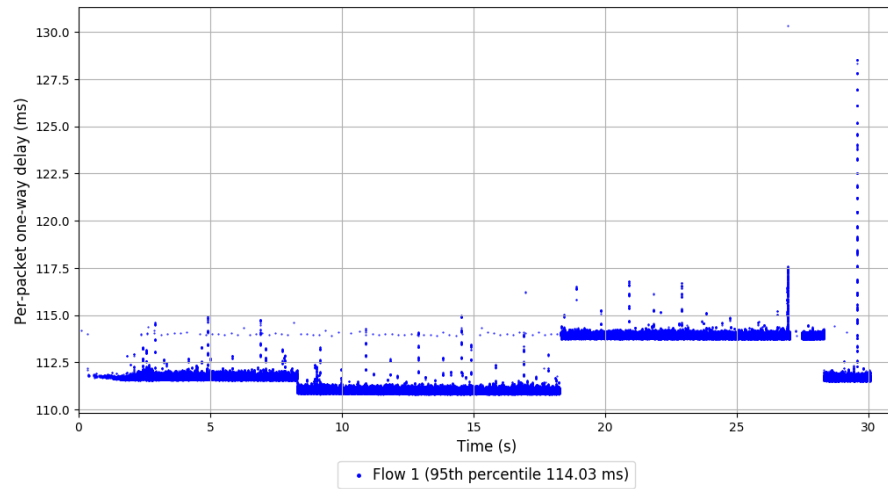
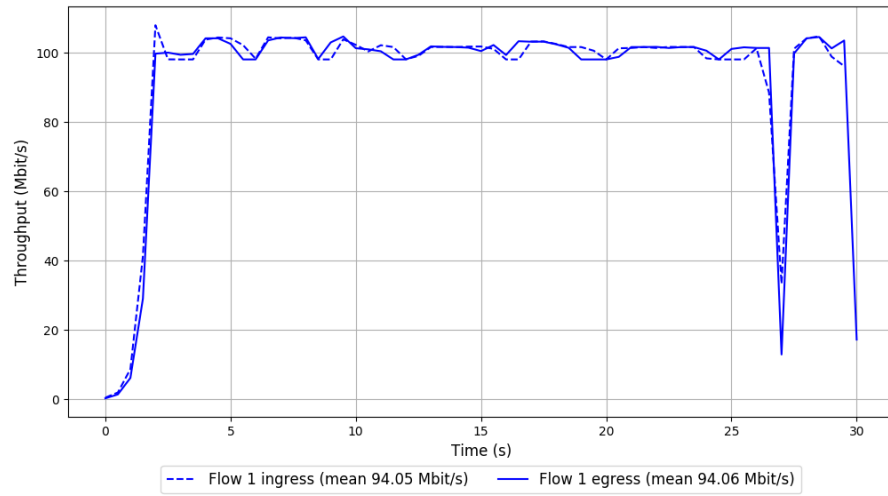
-- Flow 1:

Average throughput: 94.06 Mbit/s

95th percentile per-packet one-way delay: 114.033 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-04-03 02:41:58

End at: 2018-04-03 02:42:28

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.27 Mbit/s

95th percentile per-packet one-way delay: 110.574 ms

Loss rate: 0.00%

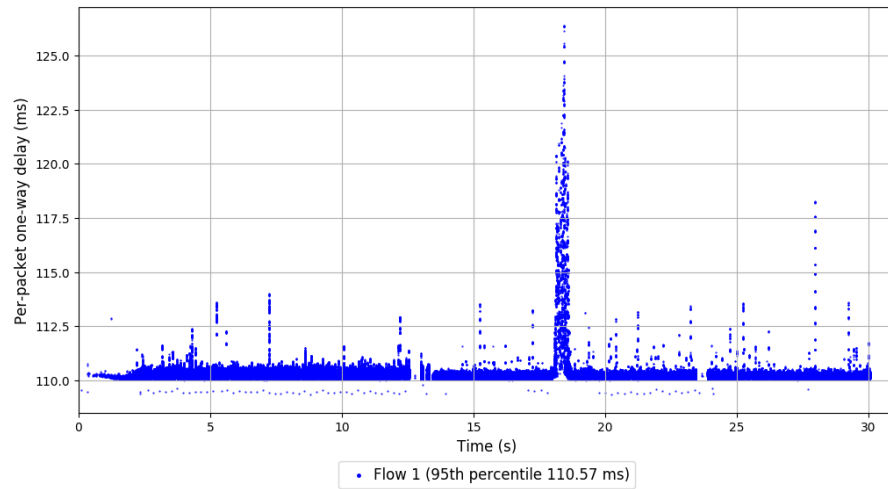
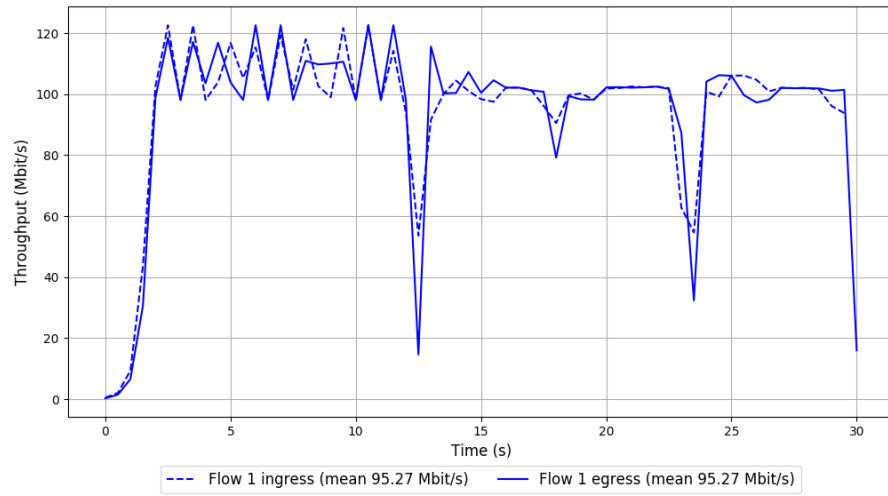
-- Flow 1:

Average throughput: 95.27 Mbit/s

95th percentile per-packet one-way delay: 110.574 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-04-03 02:57:16

End at: 2018-04-03 02:57:46

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.45 Mbit/s

95th percentile per-packet one-way delay: 112.259 ms

Loss rate: 0.00%

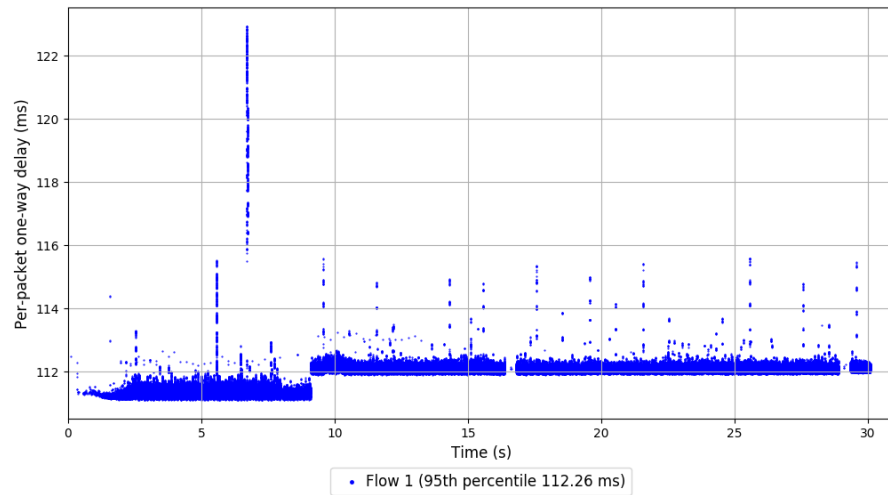
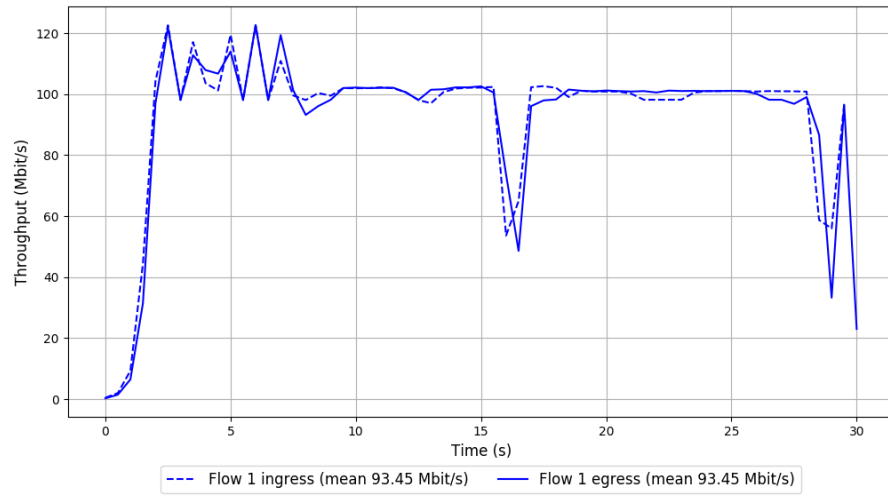
-- Flow 1:

Average throughput: 93.45 Mbit/s

95th percentile per-packet one-way delay: 112.259 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-04-03 03:13:01

End at: 2018-04-03 03:13:31

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.81 Mbit/s

95th percentile per-packet one-way delay: 112.152 ms

Loss rate: 0.00%

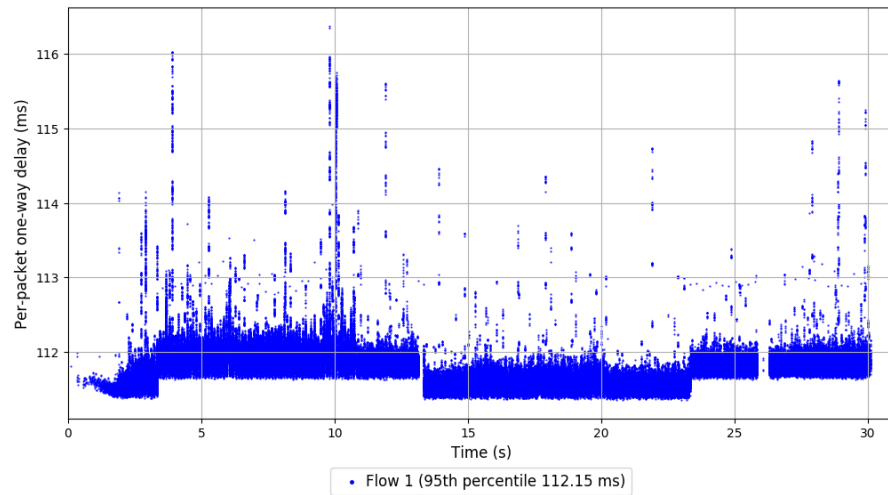
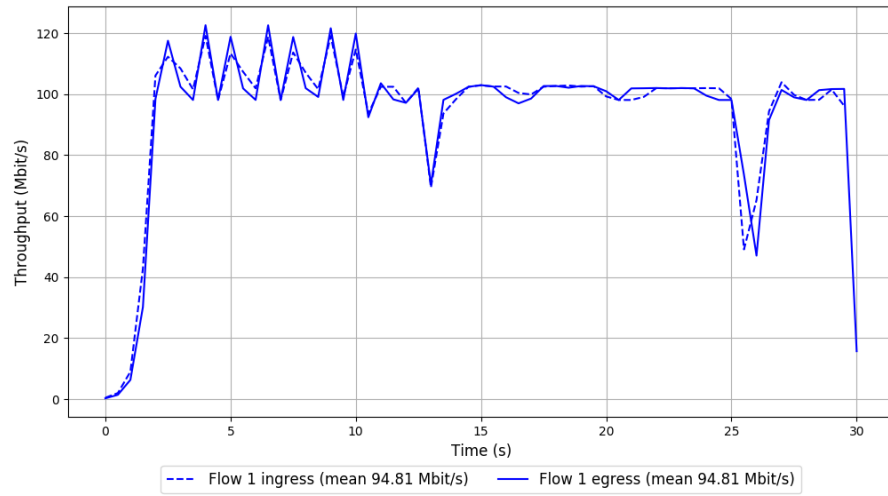
-- Flow 1:

Average throughput: 94.81 Mbit/s

95th percentile per-packet one-way delay: 112.152 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-04-03 03:28:23

End at: 2018-04-03 03:28:53

Below is generated by plot.py at 2018-04-03 06:06:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.94 Mbit/s

95th percentile per-packet one-way delay: 112.205 ms

Loss rate: 0.00%

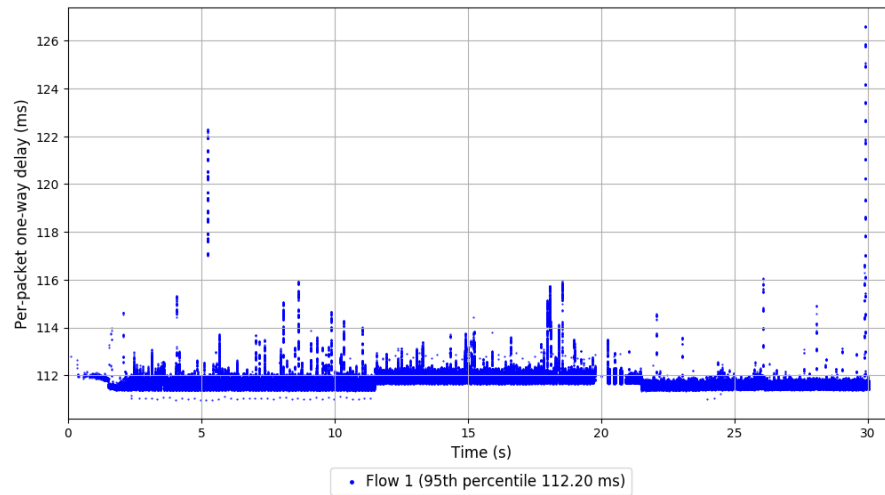
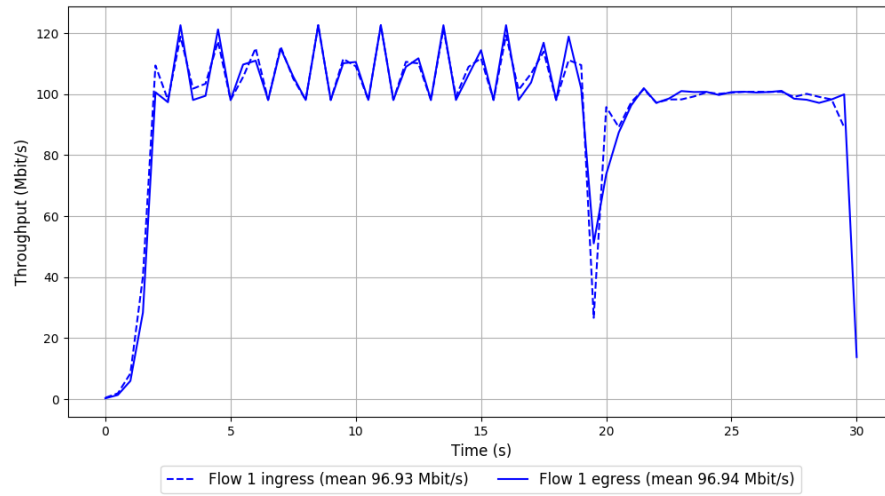
-- Flow 1:

Average throughput: 96.94 Mbit/s

95th percentile per-packet one-way delay: 112.205 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-04-03 03:43:54

End at: 2018-04-03 03:44:24

Below is generated by plot.py at 2018-04-03 06:06:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.82 Mbit/s

95th percentile per-packet one-way delay: 112.850 ms

Loss rate: 0.00%

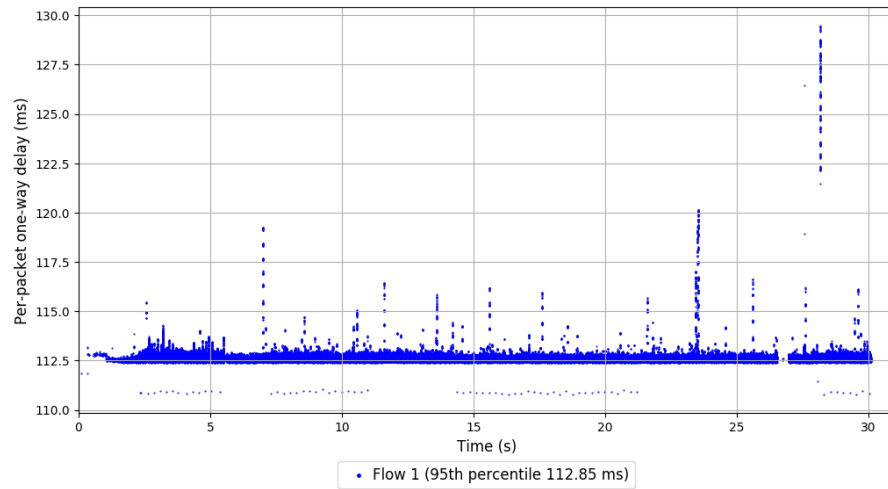
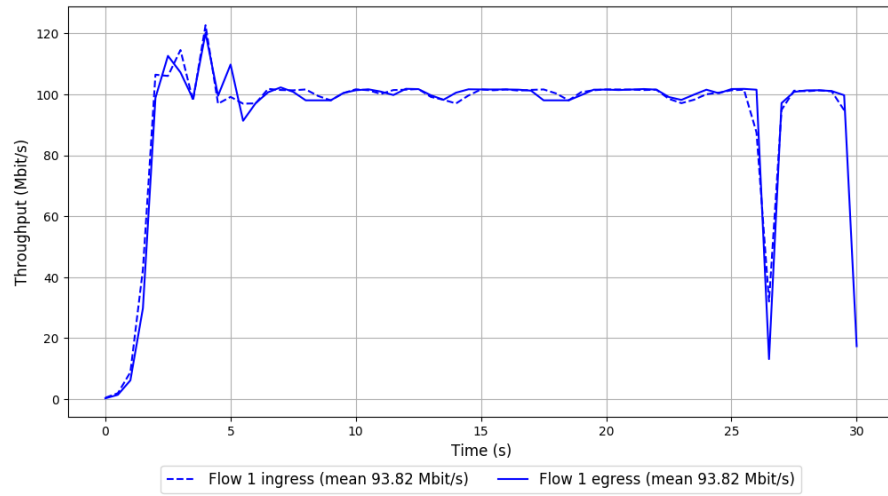
-- Flow 1:

Average throughput: 93.82 Mbit/s

95th percentile per-packet one-way delay: 112.850 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

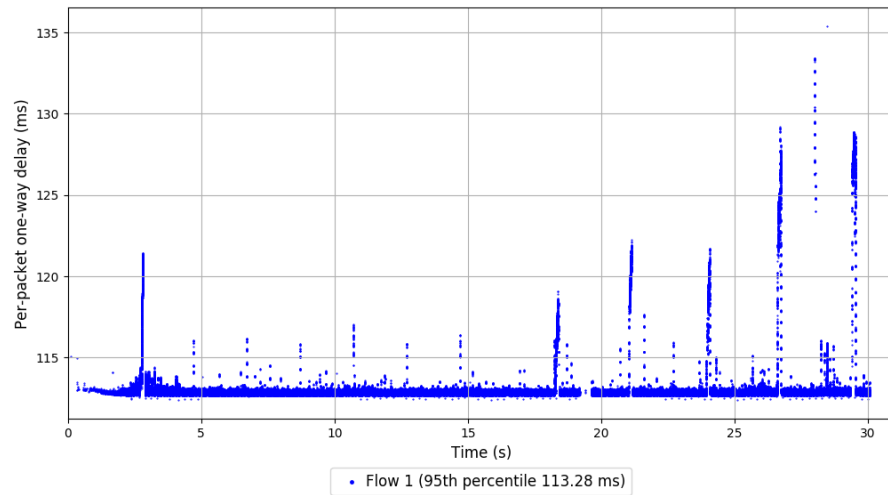
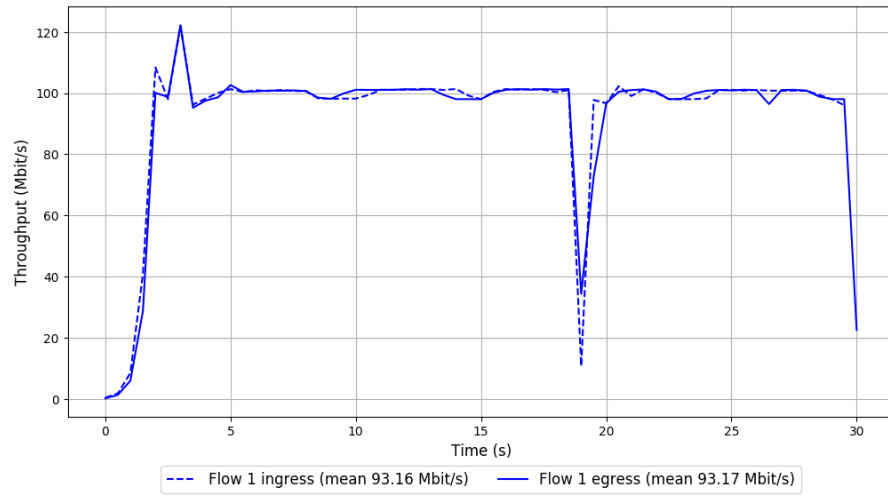


```
Run 7: Statistics of TCP BBR

Start at: 2018-04-03 03:59:32
End at: 2018-04-03 04:00:02

# Below is generated by plot.py at 2018-04-03 06:06:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.17 Mbit/s
95th percentile per-packet one-way delay: 113.280 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.17 Mbit/s
95th percentile per-packet one-way delay: 113.280 ms
Loss rate: 0.00%
```

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-04-03 04:15:08

End at: 2018-04-03 04:15:38

Below is generated by plot.py at 2018-04-03 06:06:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.81 Mbit/s

95th percentile per-packet one-way delay: 112.826 ms

Loss rate: 0.00%

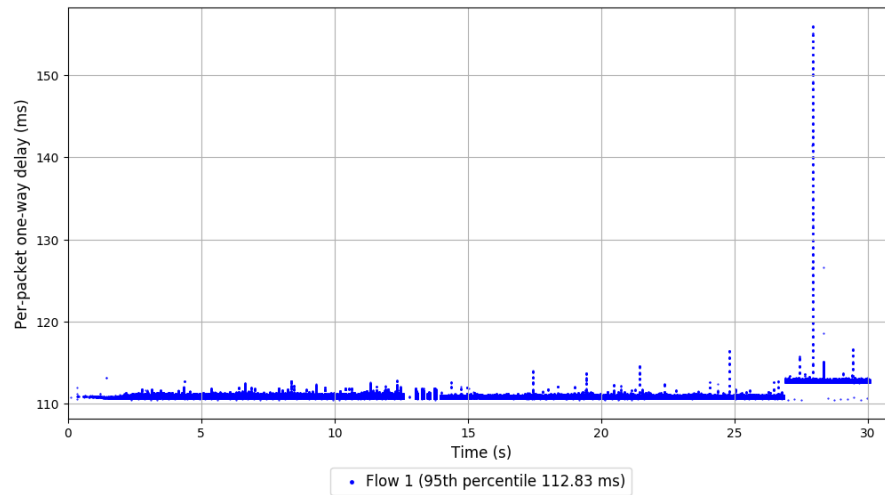
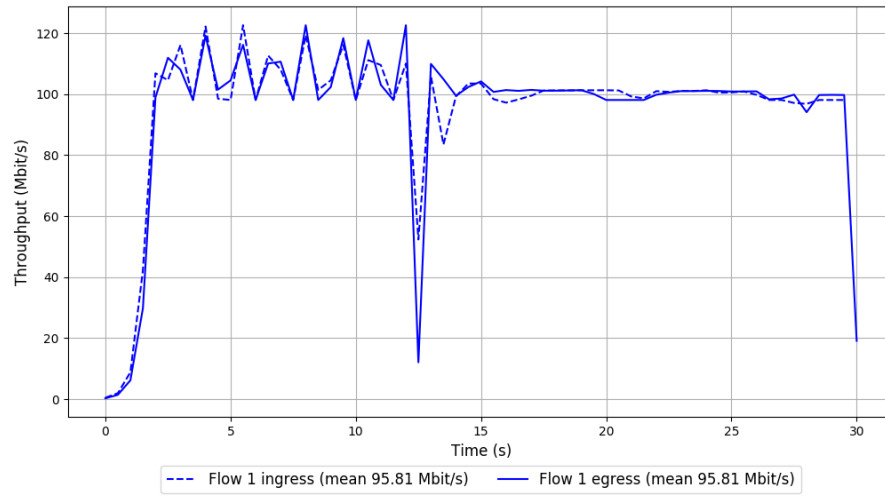
-- Flow 1:

Average throughput: 95.81 Mbit/s

95th percentile per-packet one-way delay: 112.826 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-04-03 04:30:50

End at: 2018-04-03 04:31:20

Below is generated by plot.py at 2018-04-03 06:07:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.06 Mbit/s

95th percentile per-packet one-way delay: 111.637 ms

Loss rate: 0.00%

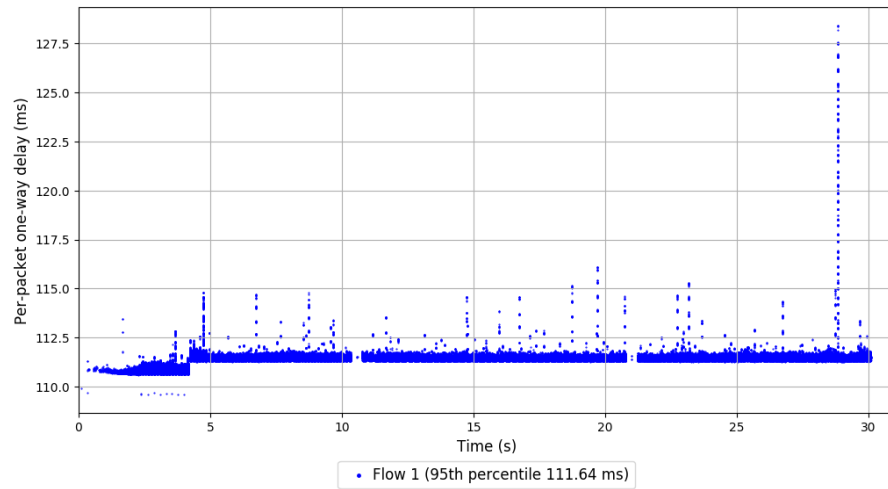
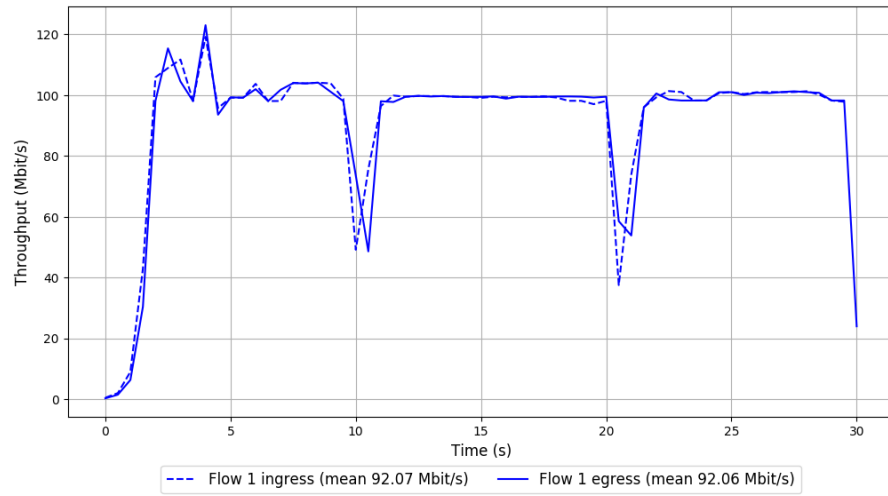
-- Flow 1:

Average throughput: 92.06 Mbit/s

95th percentile per-packet one-way delay: 111.637 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-04-03 04:45:47

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

Below is generated by plot.py at 2018-04-03 06:07:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.29 Mbit/s

95th percentile per-packet one-way delay: 110.706 ms

Loss rate: 0.00%

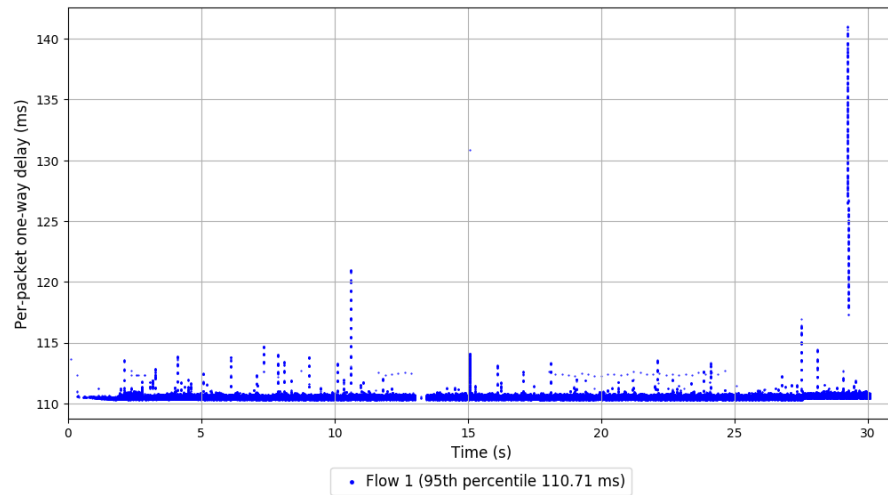
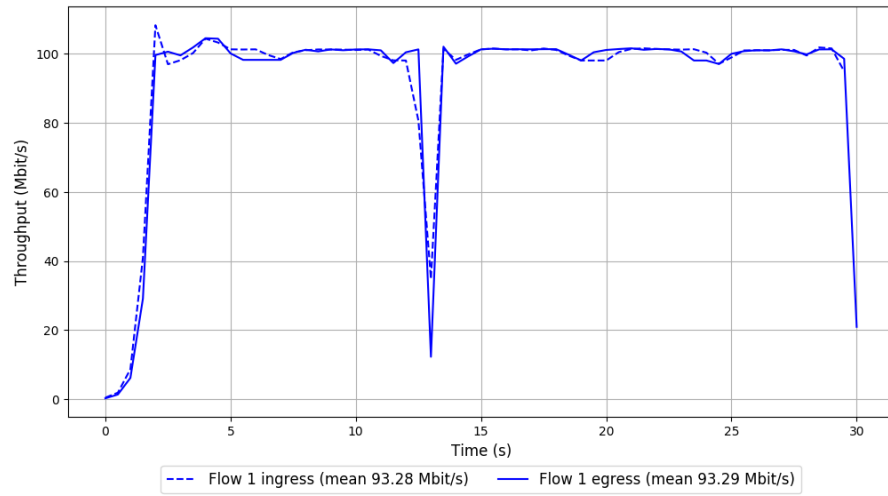
-- Flow 1:

Average throughput: 93.29 Mbit/s

95th percentile per-packet one-way delay: 110.706 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-04-03 02:15:30

End at: 2018-04-03 02:16:00

Below is generated by plot.py at 2018-04-03 06:07:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.57 Mbit/s

95th percentile per-packet one-way delay: 118.999 ms

Loss rate: 0.00%

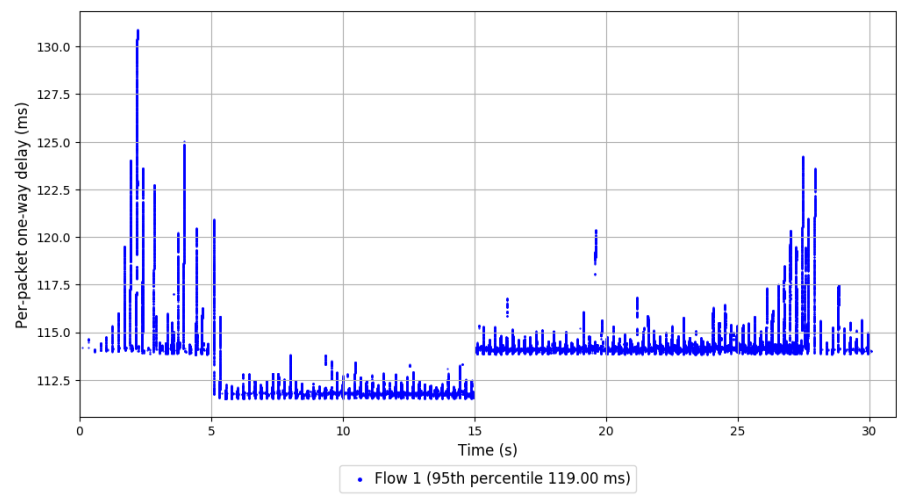
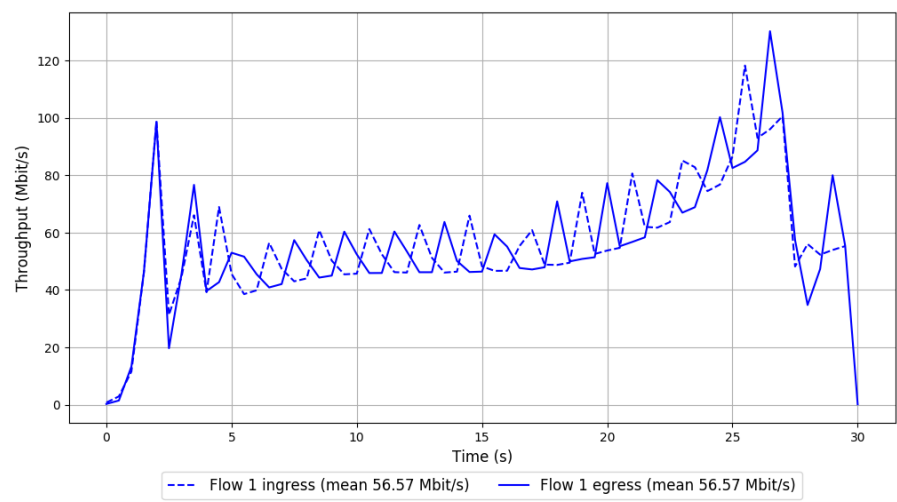
-- Flow 1:

Average throughput: 56.57 Mbit/s

95th percentile per-packet one-way delay: 118.999 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-04-03 02:30:50

End at: 2018-04-03 02:31:20

Below is generated by plot.py at 2018-04-03 06:07:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.90 Mbit/s

95th percentile per-packet one-way delay: 121.738 ms

Loss rate: 0.00%

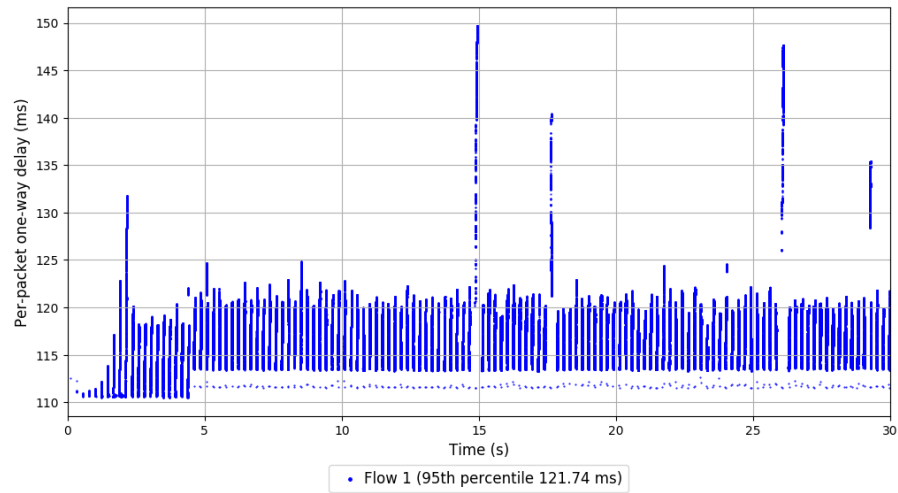
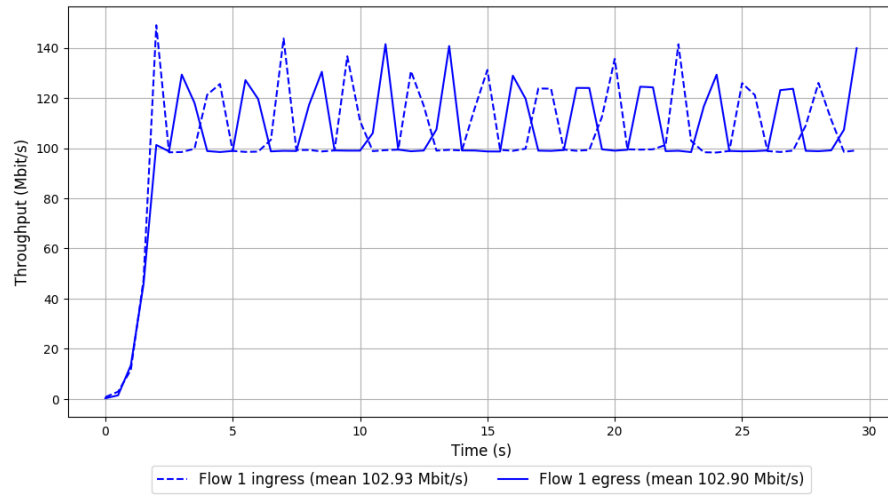
-- Flow 1:

Average throughput: 102.90 Mbit/s

95th percentile per-packet one-way delay: 121.738 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-04-03 02:46:17

End at: 2018-04-03 02:46:47

Below is generated by plot.py at 2018-04-03 06:07:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.74 Mbit/s

95th percentile per-packet one-way delay: 118.331 ms

Loss rate: 0.00%

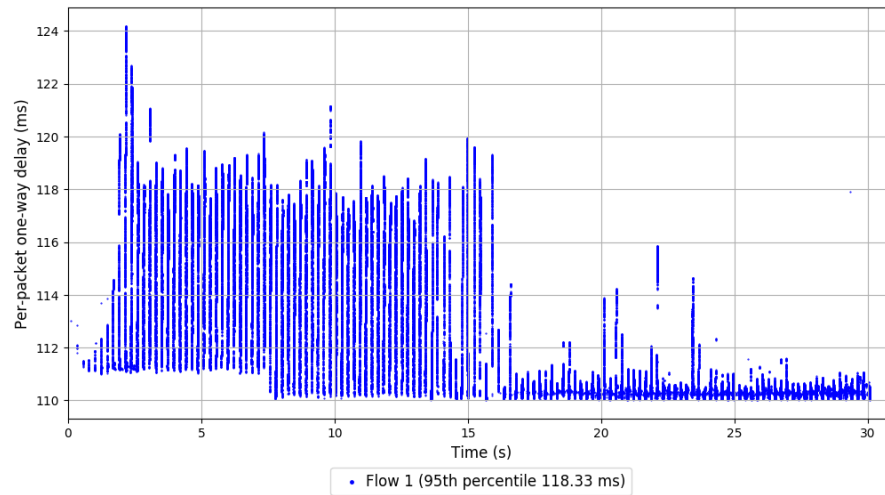
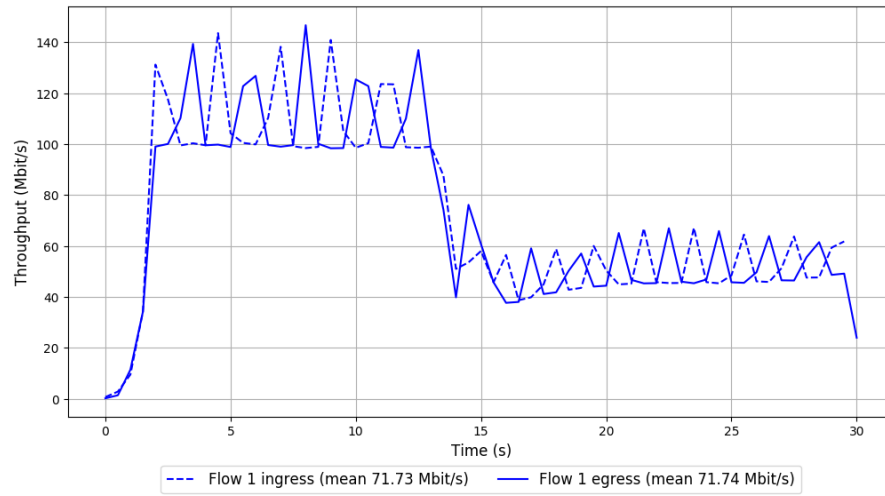
-- Flow 1:

Average throughput: 71.74 Mbit/s

95th percentile per-packet one-way delay: 118.331 ms

Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

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

End at: 2018-04-03 03:02:24

Below is generated by plot.py at 2018-04-03 06:07:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.72 Mbit/s

95th percentile per-packet one-way delay: 120.033 ms

Loss rate: 0.00%

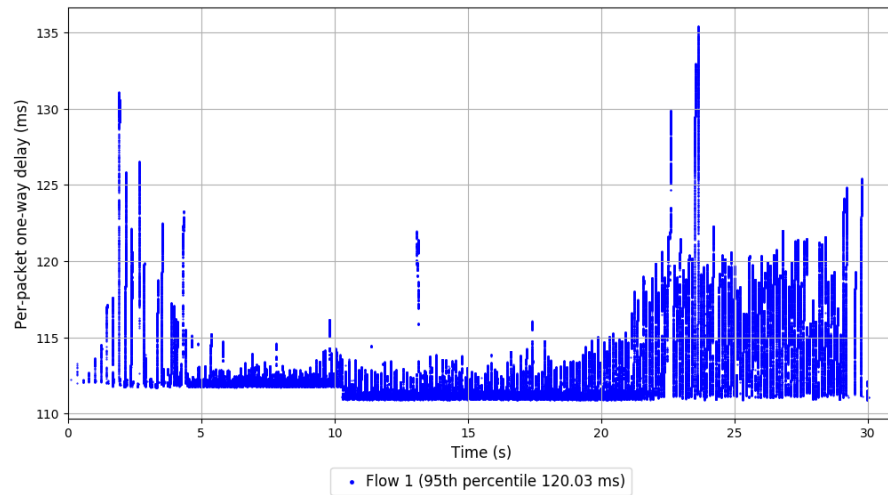
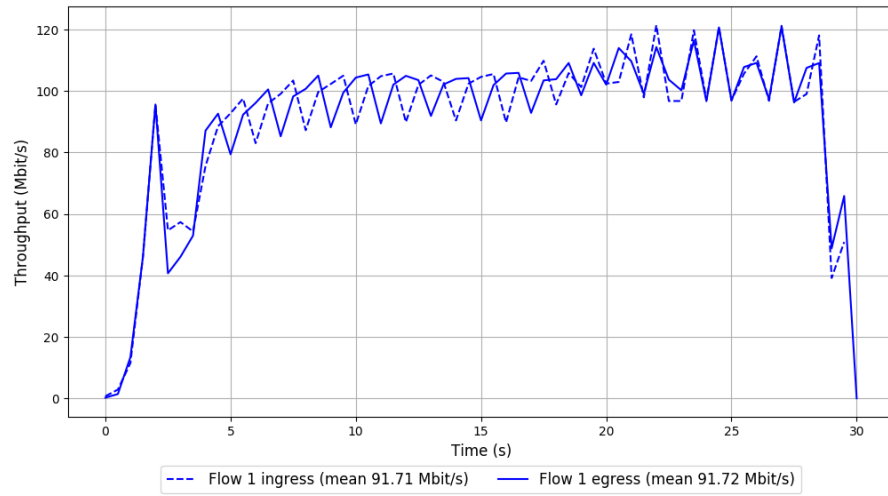
-- Flow 1:

Average throughput: 91.72 Mbit/s

95th percentile per-packet one-way delay: 120.033 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

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

End at: 2018-04-03 03:17:51

Below is generated by plot.py at 2018-04-03 06:07:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.67 Mbit/s

95th percentile per-packet one-way delay: 119.547 ms

Loss rate: 0.01%

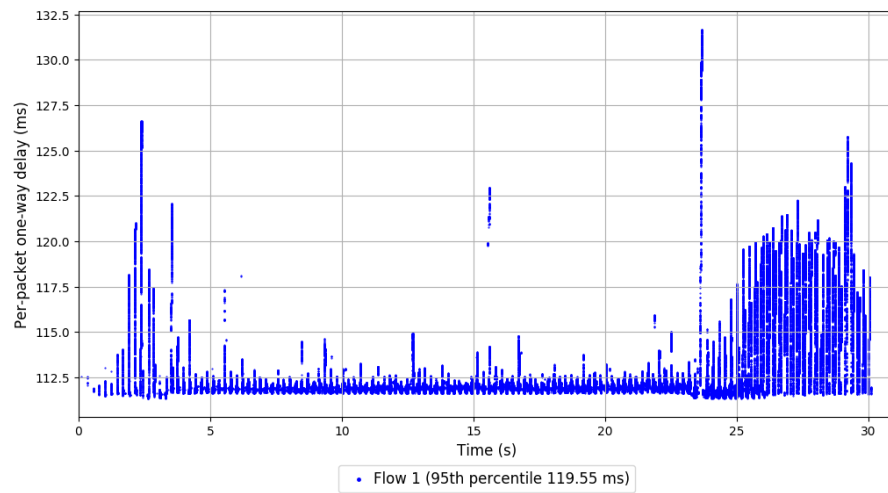
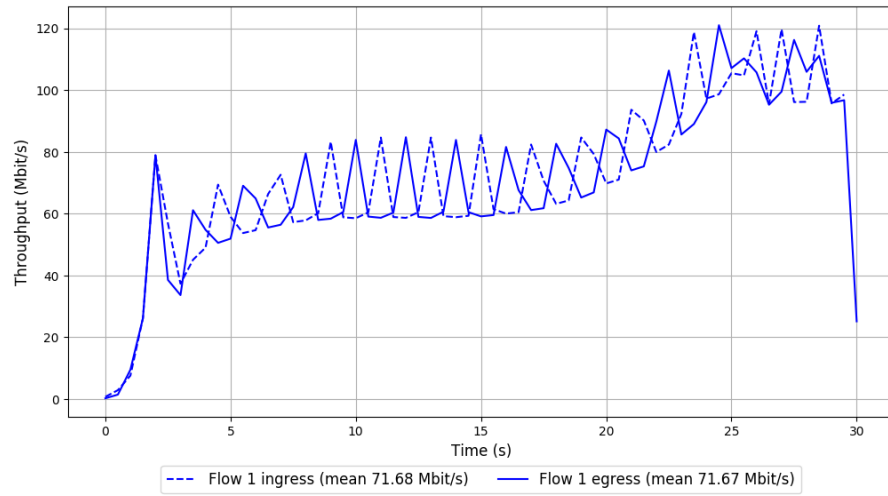
-- Flow 1:

Average throughput: 71.67 Mbit/s

95th percentile per-packet one-way delay: 119.547 ms

Loss rate: 0.01%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-04-03 03:32:44

End at: 2018-04-03 03:33:14

Below is generated by plot.py at 2018-04-03 06:07:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.40 Mbit/s

95th percentile per-packet one-way delay: 120.089 ms

Loss rate: 0.00%

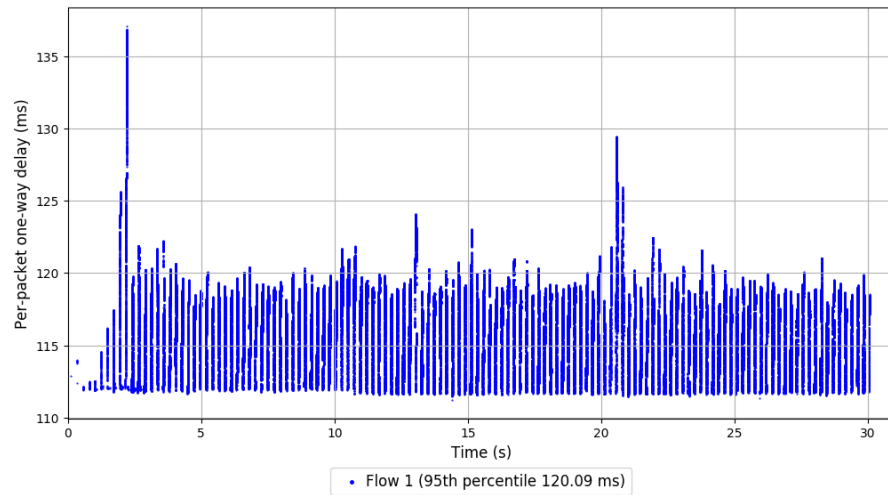
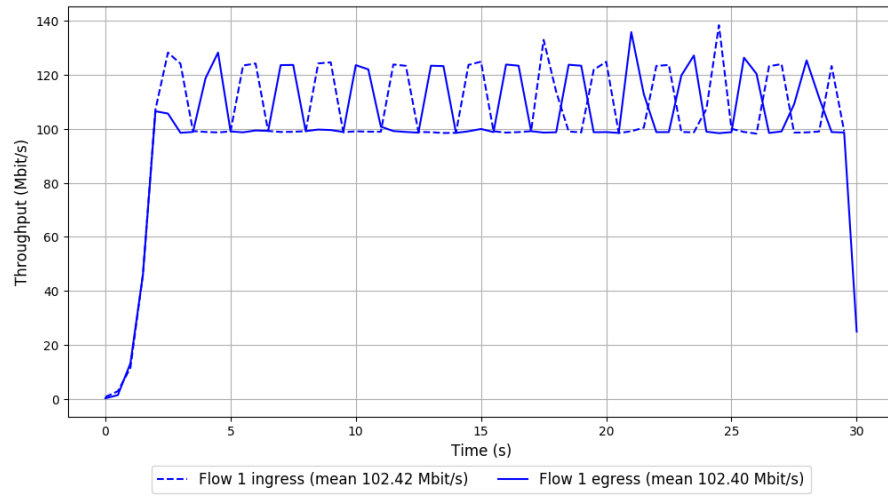
-- Flow 1:

Average throughput: 102.40 Mbit/s

95th percentile per-packet one-way delay: 120.089 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-04-03 03:48:25

End at: 2018-04-03 03:48:55

Below is generated by plot.py at 2018-04-03 06:08:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.77 Mbit/s

95th percentile per-packet one-way delay: 120.837 ms

Loss rate: 0.00%

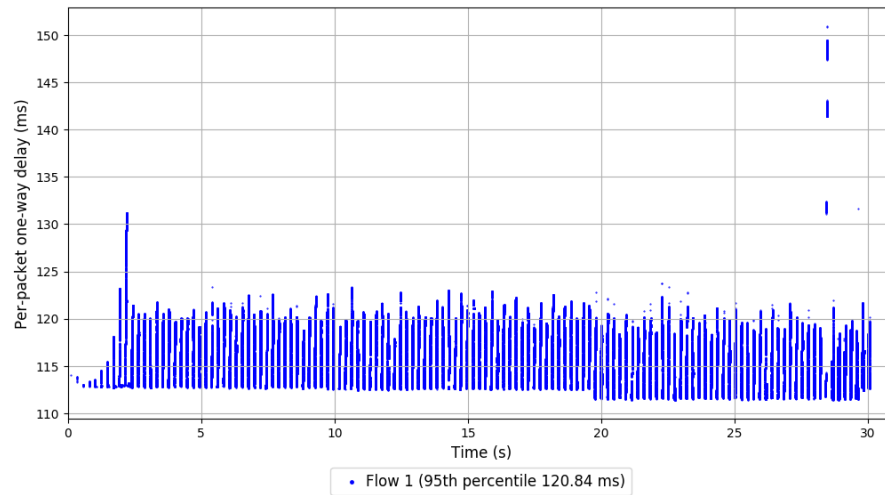
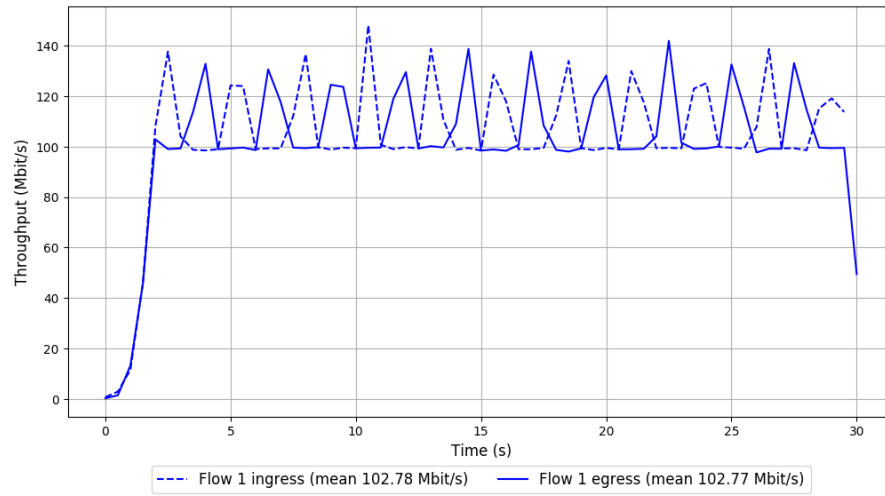
-- Flow 1:

Average throughput: 102.77 Mbit/s

95th percentile per-packet one-way delay: 120.837 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

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

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

Below is generated by plot.py at 2018-04-03 06:08:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.56 Mbit/s

95th percentile per-packet one-way delay: 119.947 ms

Loss rate: 0.00%

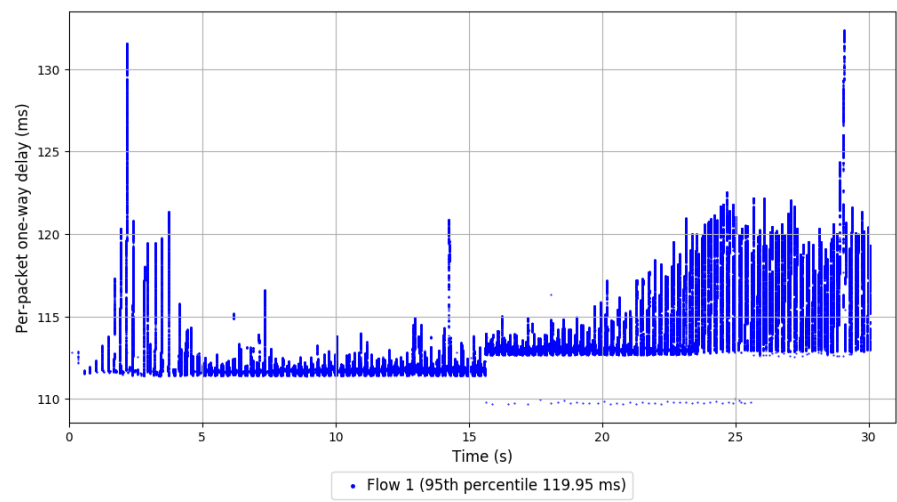
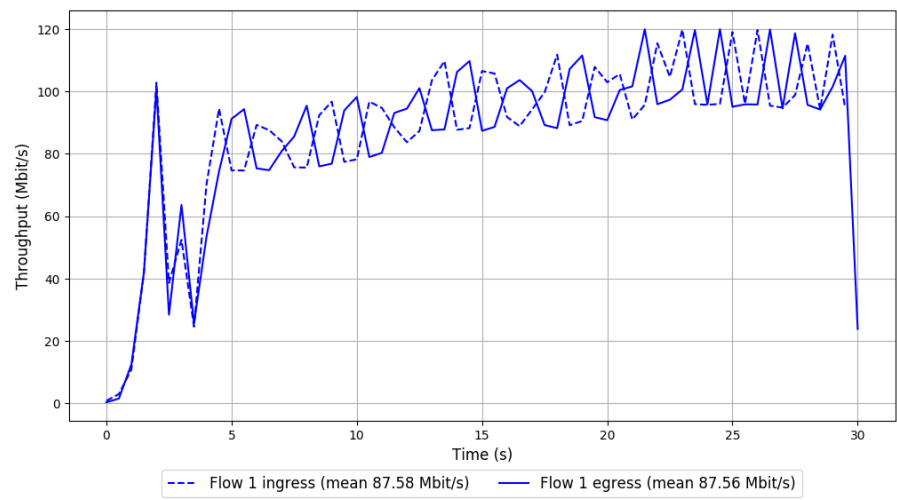
-- Flow 1:

Average throughput: 87.56 Mbit/s

95th percentile per-packet one-way delay: 119.947 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-04-03 04:19:51

End at: 2018-04-03 04:20:21

Below is generated by plot.py at 2018-04-03 06:08:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.35 Mbit/s

95th percentile per-packet one-way delay: 120.068 ms

Loss rate: 0.00%

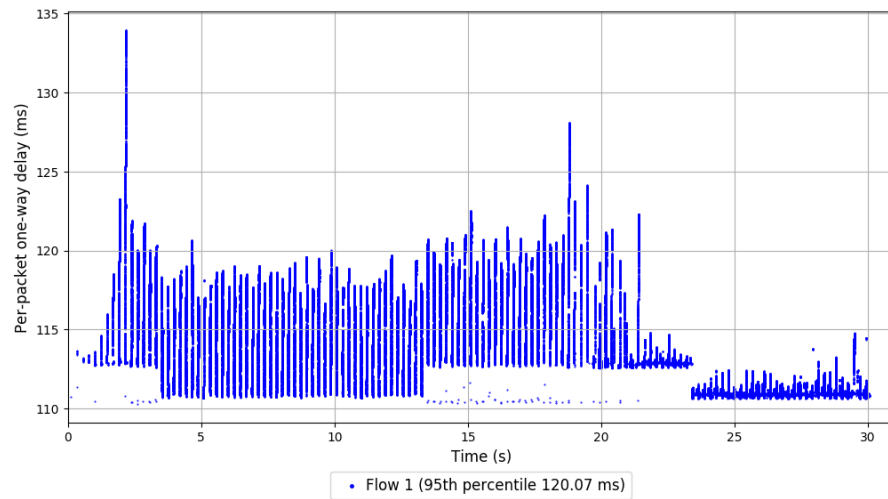
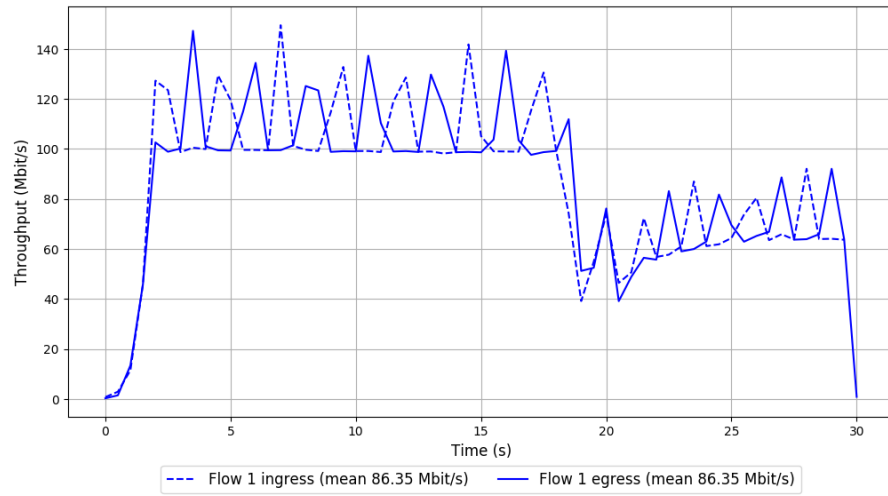
-- Flow 1:

Average throughput: 86.35 Mbit/s

95th percentile per-packet one-way delay: 120.068 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-04-03 04:34:59

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

Below is generated by plot.py at 2018-04-03 06:08:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.29 Mbit/s

95th percentile per-packet one-way delay: 117.532 ms

Loss rate: 0.00%

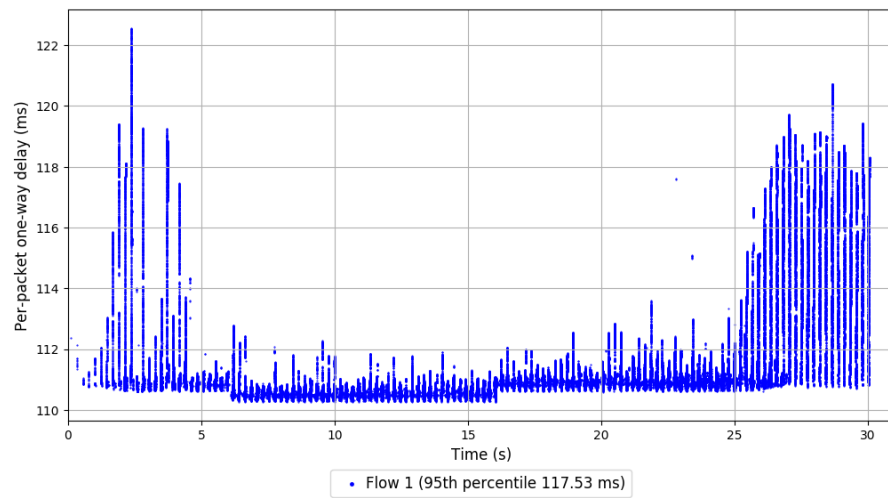
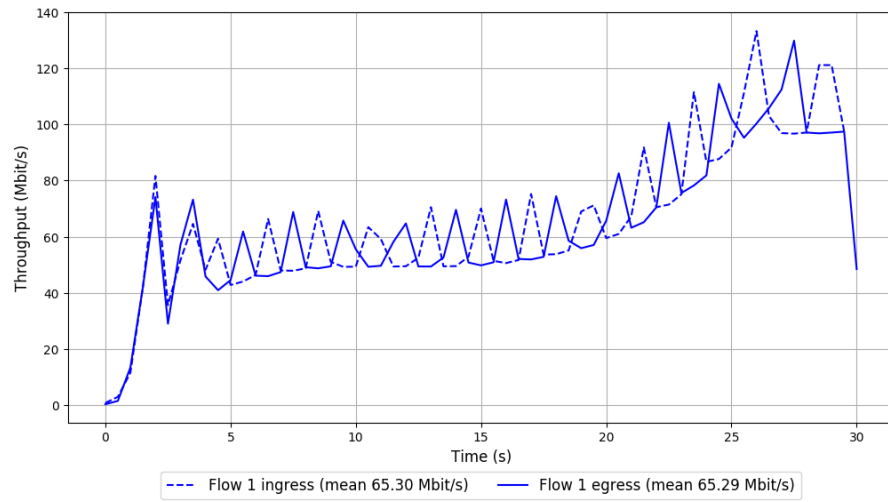
-- Flow 1:

Average throughput: 65.29 Mbit/s

95th percentile per-packet one-way delay: 117.532 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

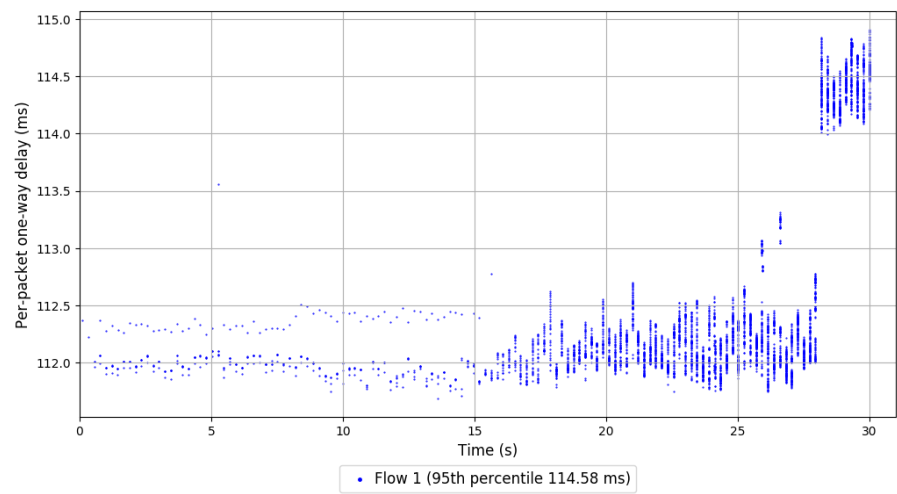
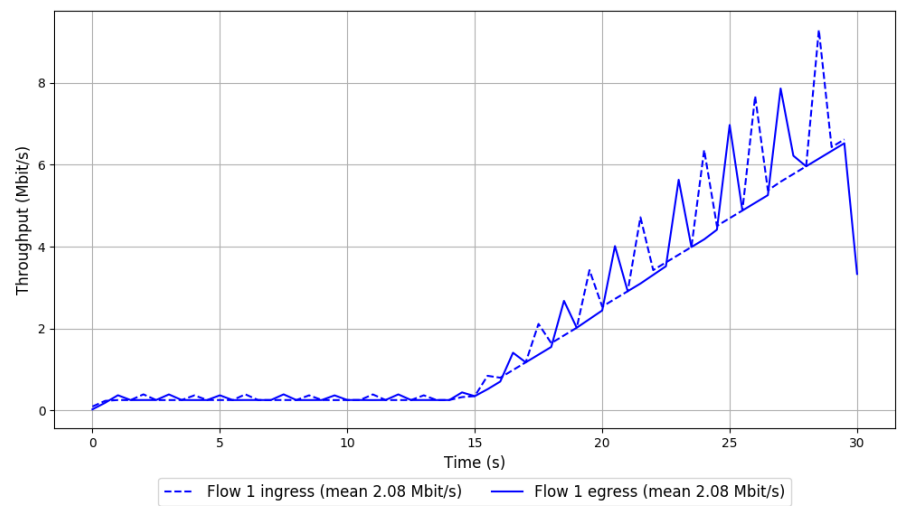


```
Run 1: Statistics of LEDBAT

Start at: 2018-04-03 02:23:17
End at: 2018-04-03 02:23:47

# Below is generated by plot.py at 2018-04-03 06:08:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 114.576 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 114.576 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

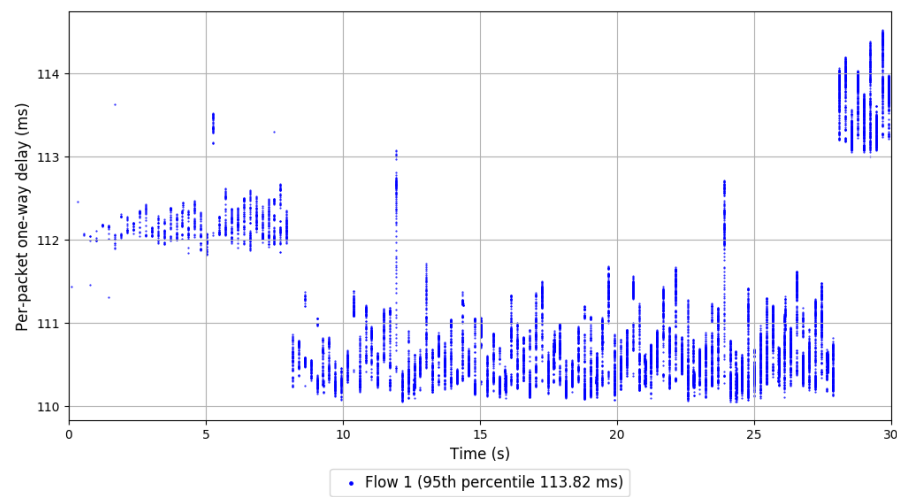
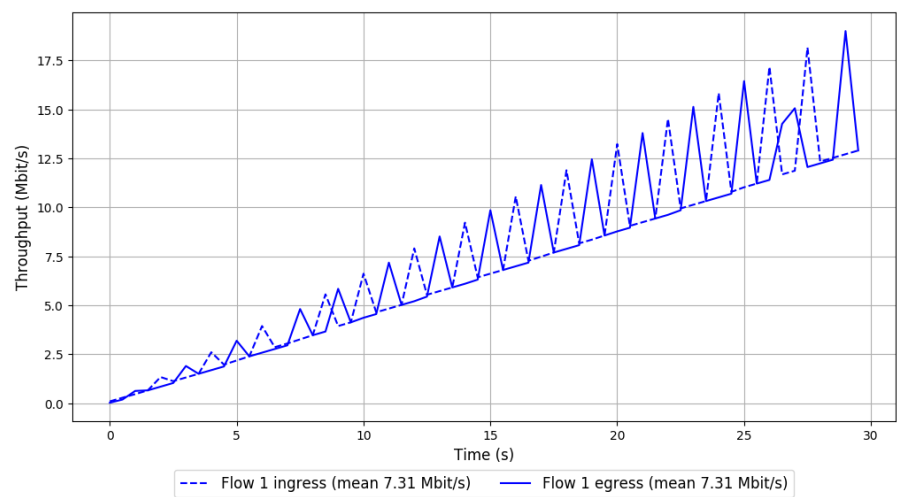


```
Run 2: Statistics of LEDBAT

Start at: 2018-04-03 02:38:46
End at: 2018-04-03 02:39:16

# Below is generated by plot.py at 2018-04-03 06:08:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.31 Mbit/s
95th percentile per-packet one-way delay: 113.823 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.31 Mbit/s
95th percentile per-packet one-way delay: 113.823 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-04-03 02:54:05

End at: 2018-04-03 02:54:35

Below is generated by plot.py at 2018-04-03 06:08:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.17 Mbit/s

95th percentile per-packet one-way delay: 111.934 ms

Loss rate: 0.00%

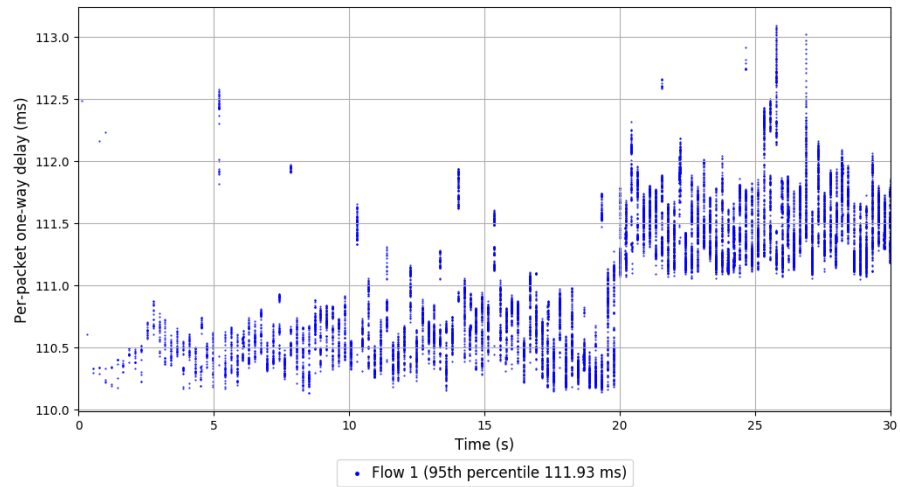
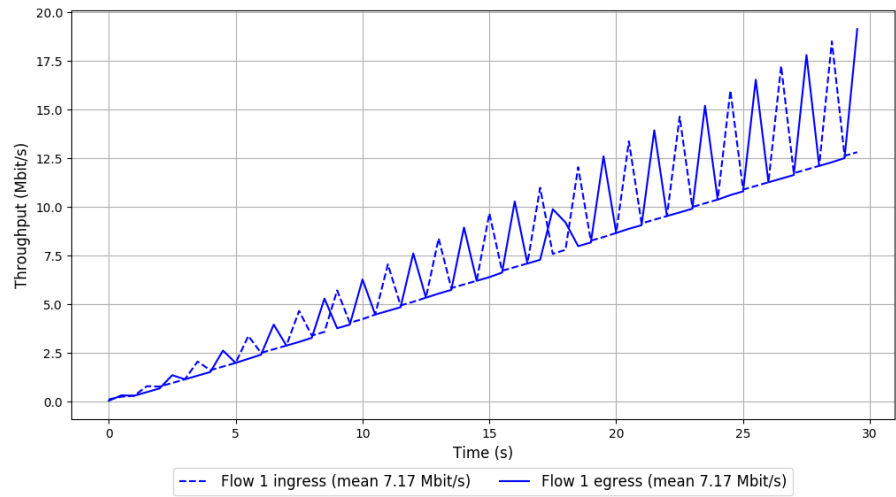
-- Flow 1:

Average throughput: 7.17 Mbit/s

95th percentile per-packet one-way delay: 111.934 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

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

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

Below is generated by plot.py at 2018-04-03 06:08:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.19 Mbit/s

95th percentile per-packet one-way delay: 113.611 ms

Loss rate: 0.00%

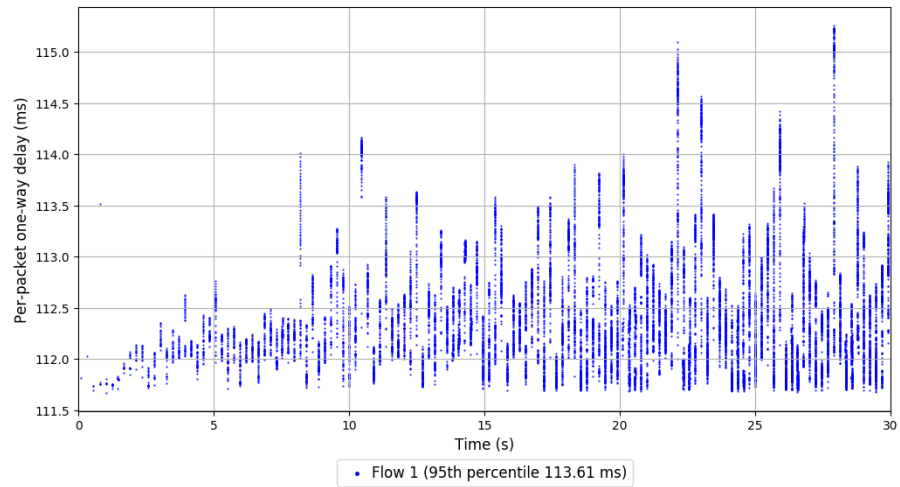
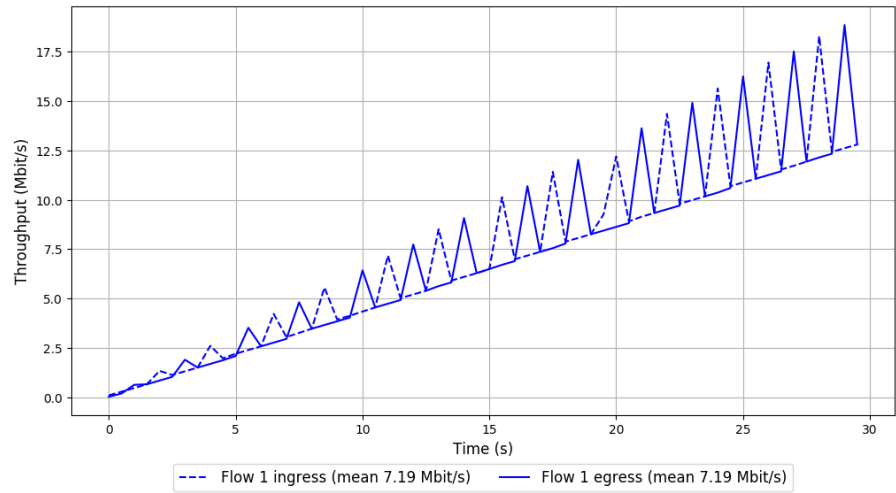
-- Flow 1:

Average throughput: 7.19 Mbit/s

95th percentile per-packet one-way delay: 113.611 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

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

End at: 2018-04-03 03:25:41

Below is generated by plot.py at 2018-04-03 06:08:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.25 Mbit/s

95th percentile per-packet one-way delay: 112.857 ms

Loss rate: 0.00%

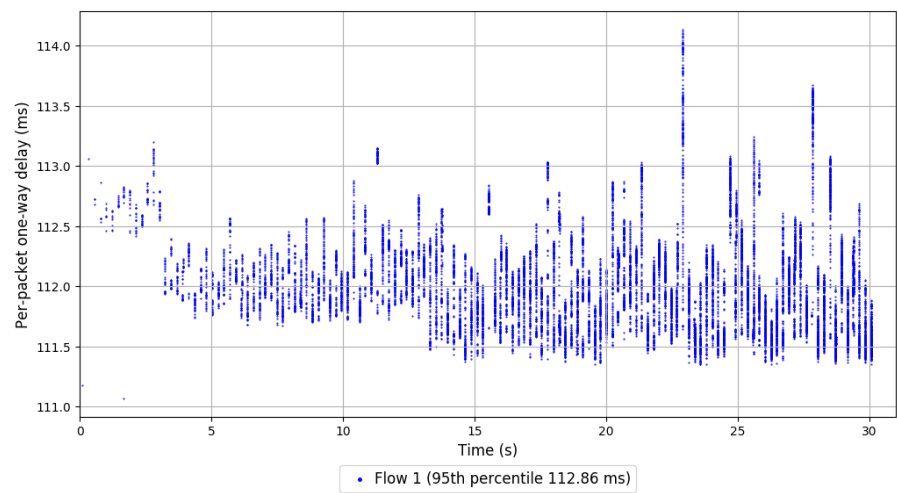
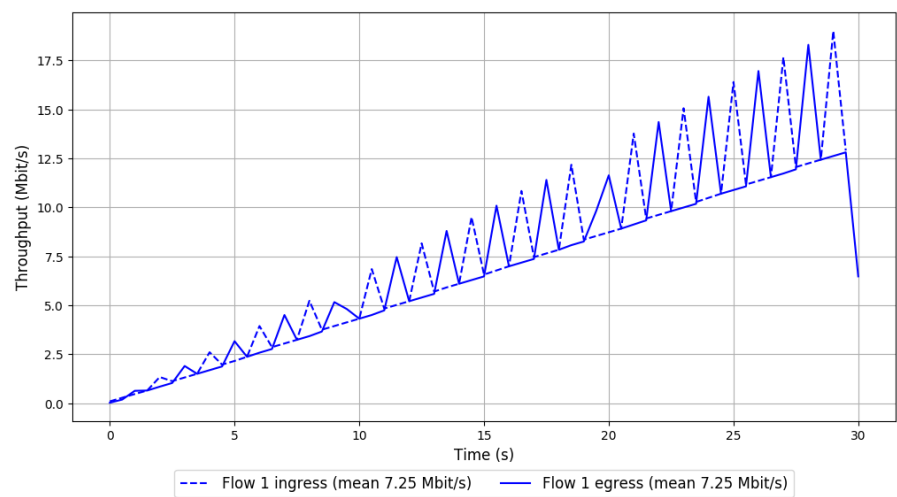
-- Flow 1:

Average throughput: 7.25 Mbit/s

95th percentile per-packet one-way delay: 112.857 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-04-03 03:40:52

End at: 2018-04-03 03:41:22

Below is generated by plot.py at 2018-04-03 06:08:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.81 Mbit/s

95th percentile per-packet one-way delay: 113.660 ms

Loss rate: 0.00%

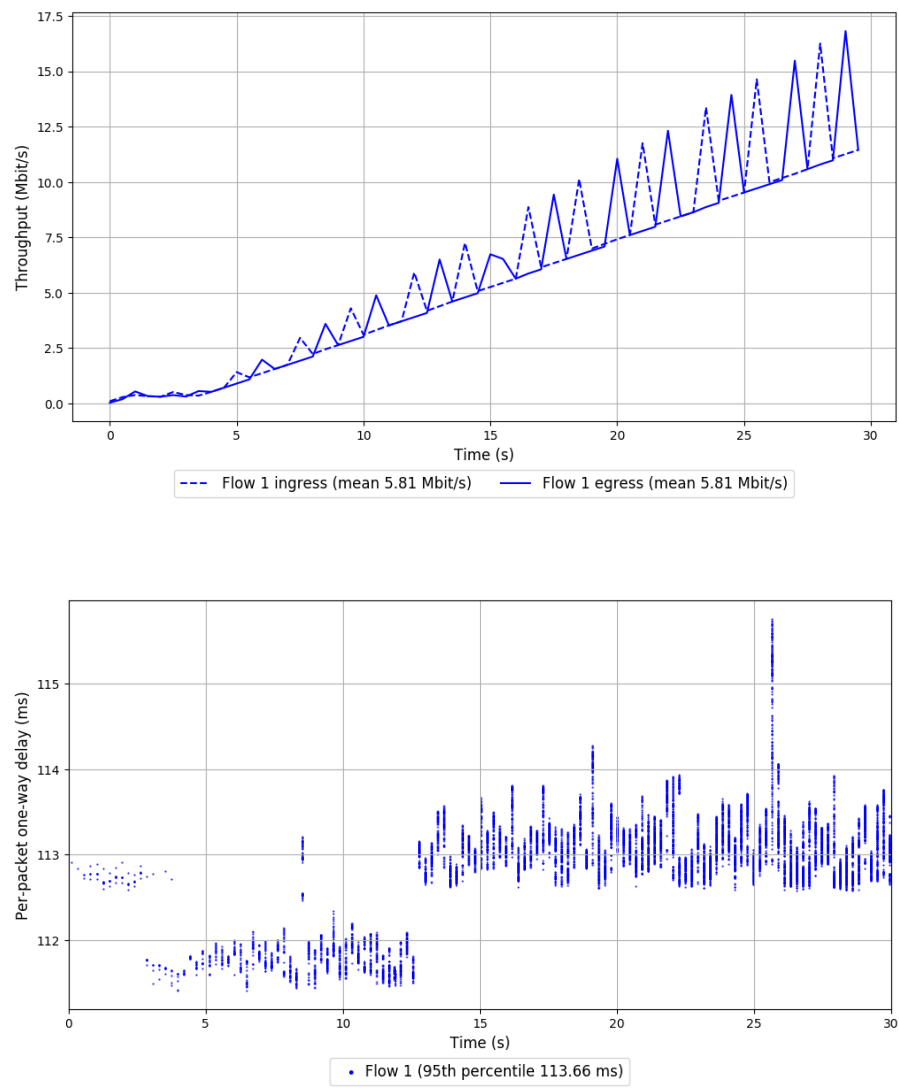
-- Flow 1:

Average throughput: 5.81 Mbit/s

95th percentile per-packet one-way delay: 113.660 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-04-03 03:56:20

End at: 2018-04-03 03:56:50

Below is generated by plot.py at 2018-04-03 06:08:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.12 Mbit/s

95th percentile per-packet one-way delay: 114.518 ms

Loss rate: 0.00%

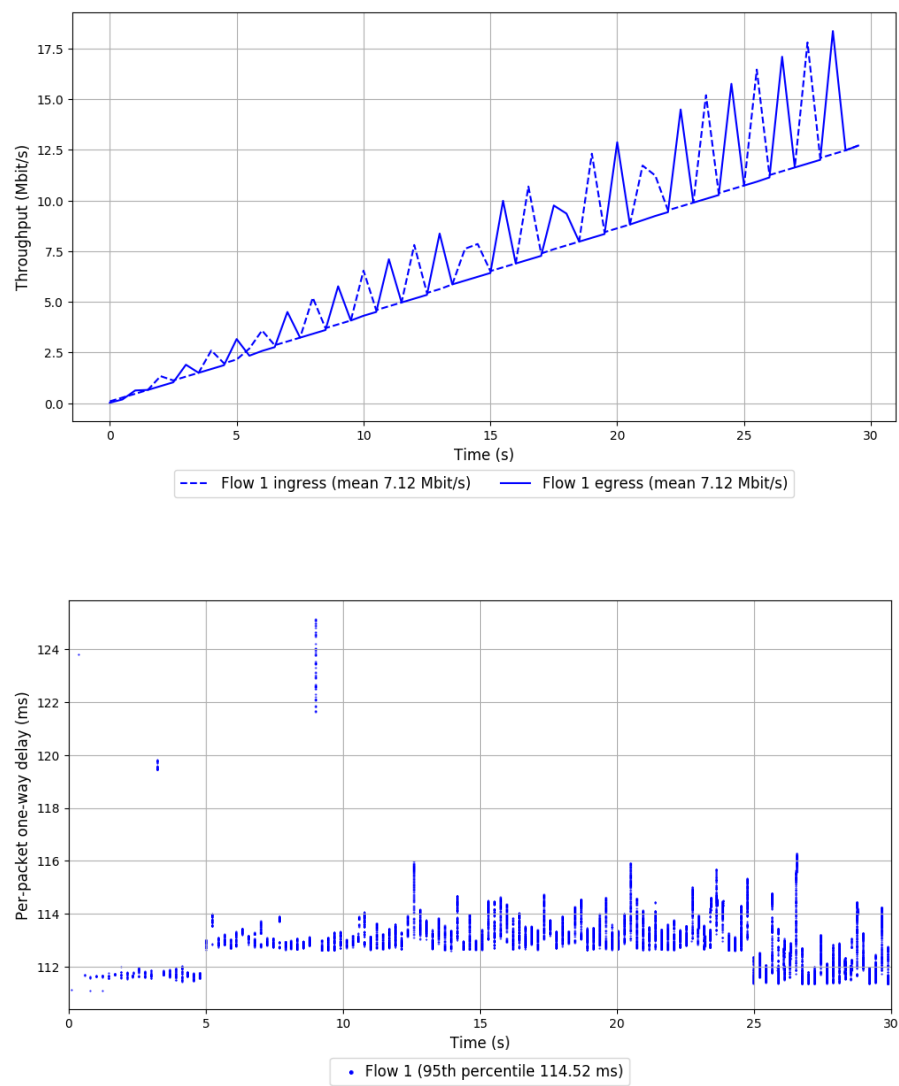
-- Flow 1:

Average throughput: 7.12 Mbit/s

95th percentile per-packet one-way delay: 114.518 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

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

End at: 2018-04-03 04:12:26

Below is generated by plot.py at 2018-04-03 06:08:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.26 Mbit/s

95th percentile per-packet one-way delay: 113.288 ms

Loss rate: 0.00%

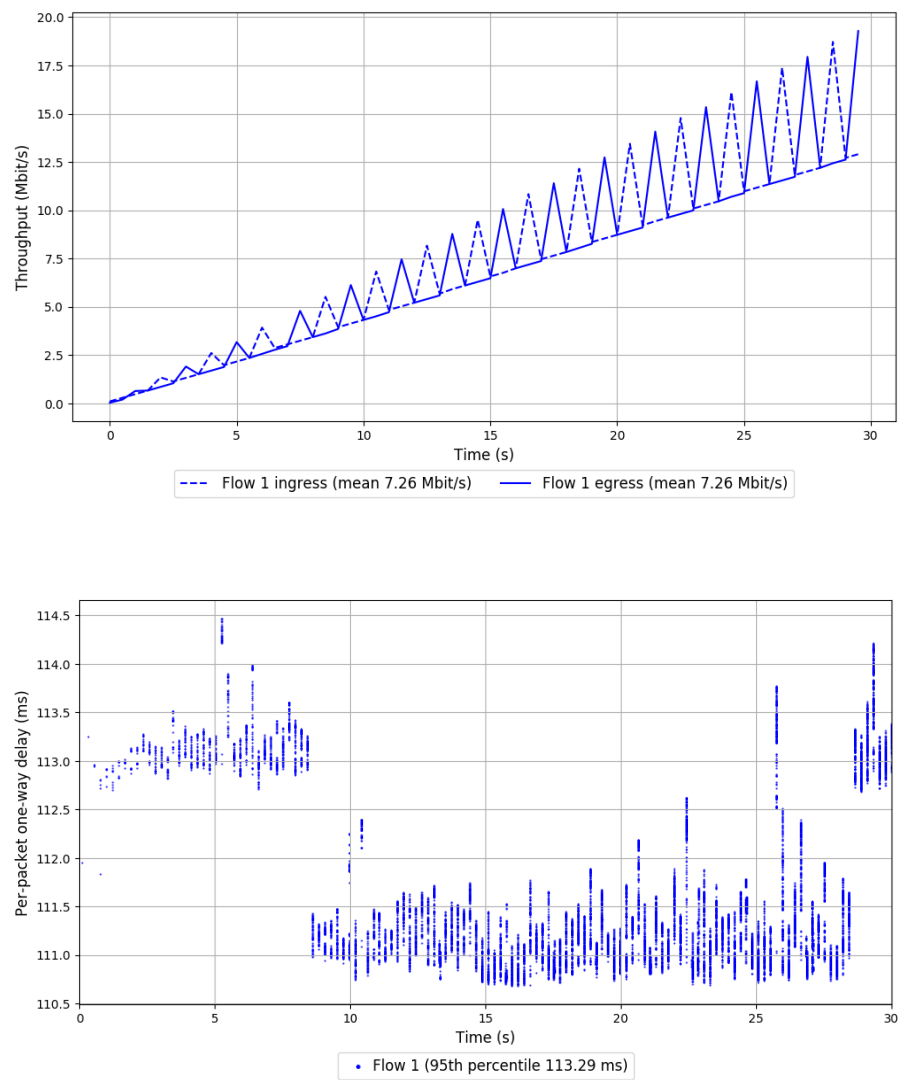
-- Flow 1:

Average throughput: 7.26 Mbit/s

95th percentile per-packet one-way delay: 113.288 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-04-03 04:27:46

End at: 2018-04-03 04:28:16

Below is generated by plot.py at 2018-04-03 06:08:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.48 Mbit/s

95th percentile per-packet one-way delay: 113.789 ms

Loss rate: 0.00%

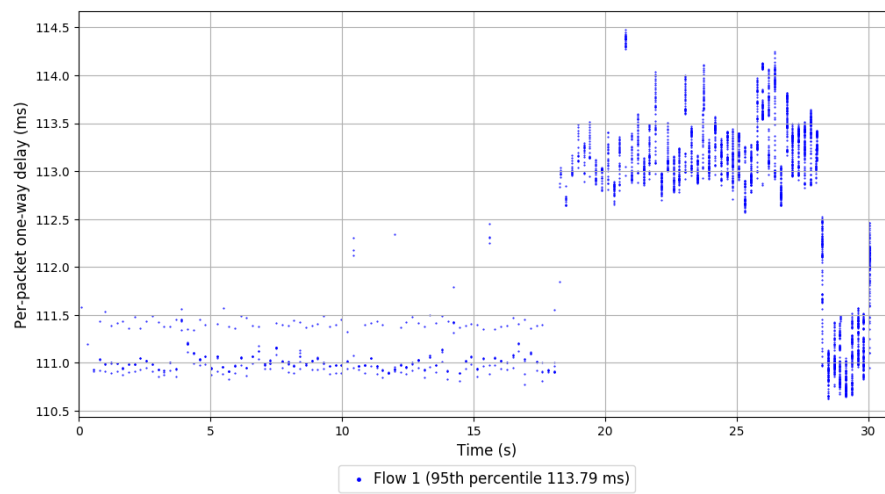
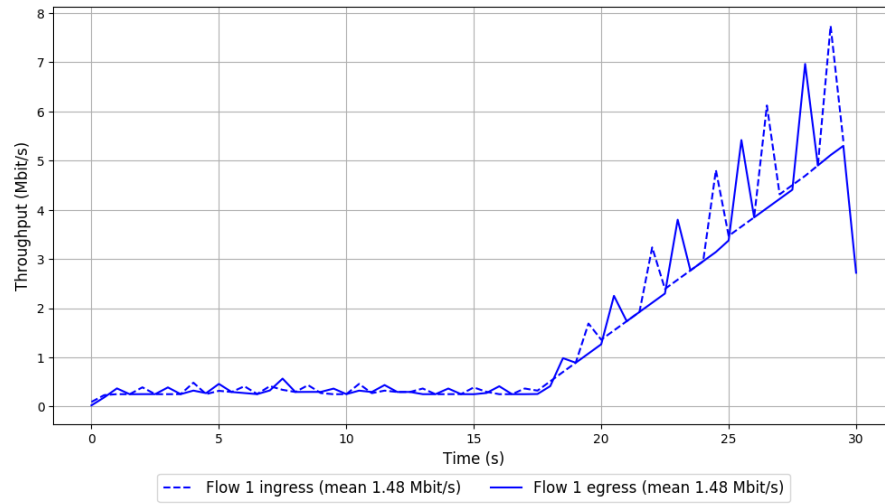
-- Flow 1:

Average throughput: 1.48 Mbit/s

95th percentile per-packet one-way delay: 113.789 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-04-03 04:42:46

End at: 2018-04-03 04:43:16

Below is generated by plot.py at 2018-04-03 06:08:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.01 Mbit/s

95th percentile per-packet one-way delay: 111.288 ms

Loss rate: 0.00%

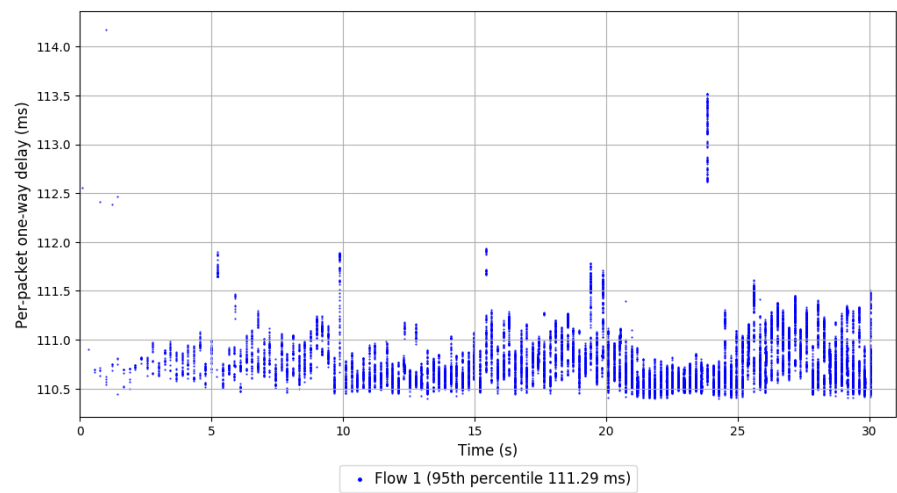
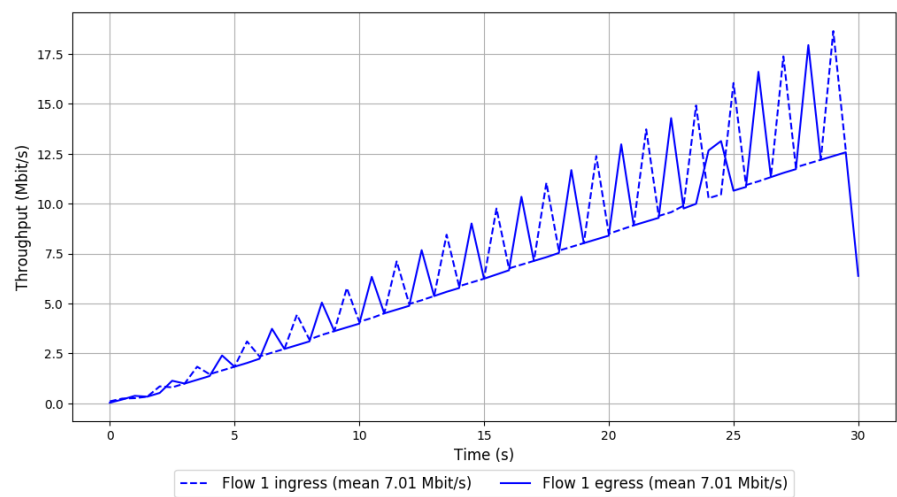
-- Flow 1:

Average throughput: 7.01 Mbit/s

95th percentile per-packet one-way delay: 111.288 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

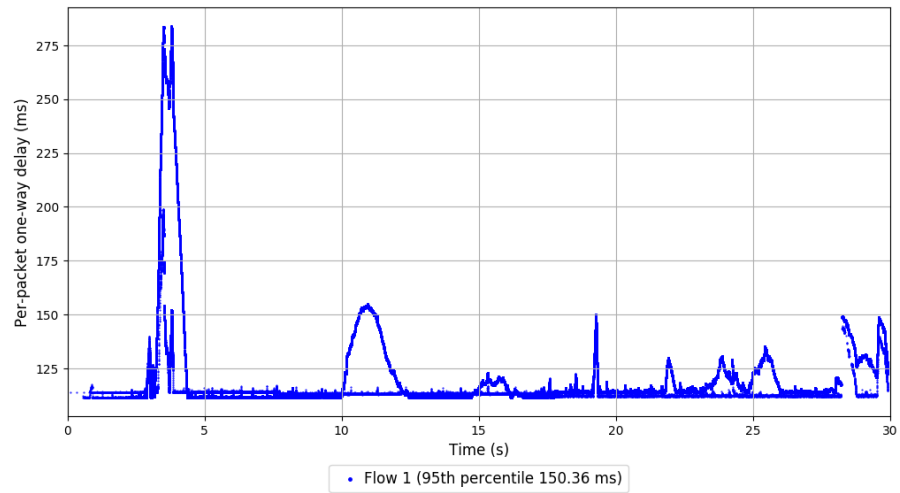
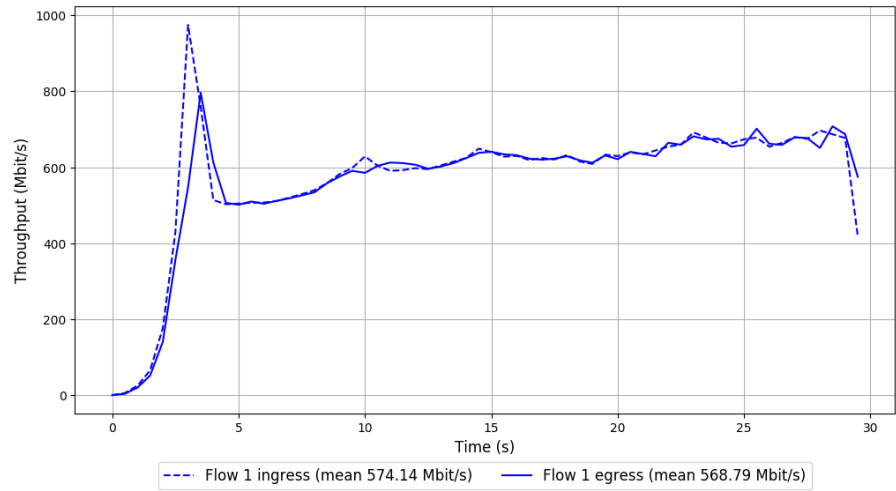


```
Run 1: Statistics of PCC

Start at: 2018-04-03 02:17:07
End at: 2018-04-03 02:17:37

# Below is generated by plot.py at 2018-04-03 06:17:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 568.79 Mbit/s
95th percentile per-packet one-way delay: 150.357 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 568.79 Mbit/s
95th percentile per-packet one-way delay: 150.357 ms
Loss rate: 0.93%
```

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-04-03 02:32:30

End at: 2018-04-03 02:33:00

Below is generated by plot.py at 2018-04-03 06:17:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 558.57 Mbit/s

95th percentile per-packet one-way delay: 187.866 ms

Loss rate: 1.39%

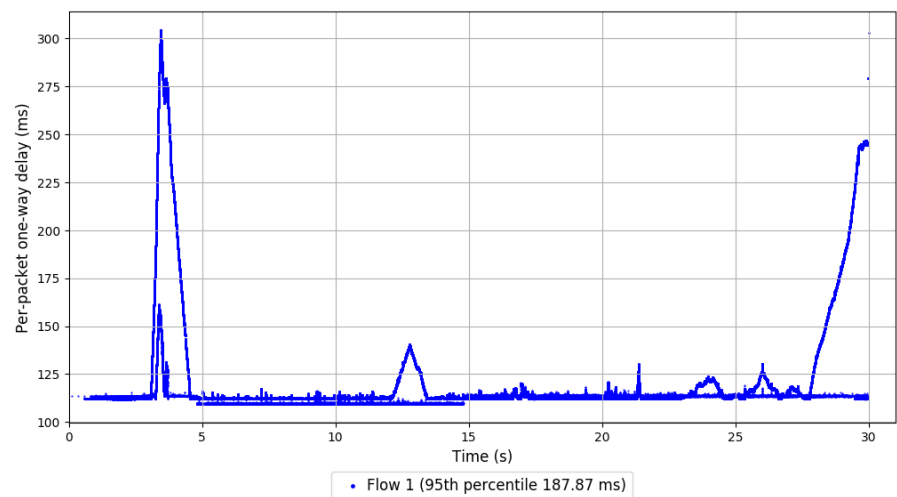
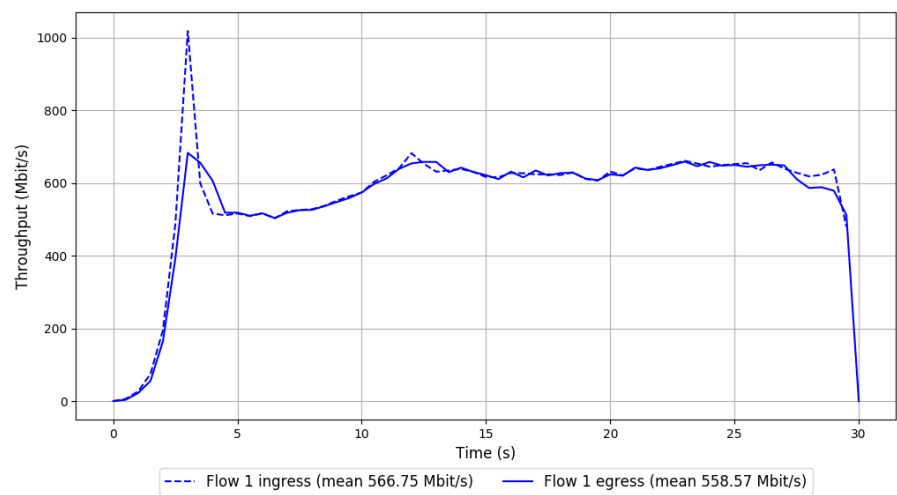
-- Flow 1:

Average throughput: 558.57 Mbit/s

95th percentile per-packet one-way delay: 187.866 ms

Loss rate: 1.39%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-04-03 02:47:56

End at: 2018-04-03 02:48:26

Below is generated by plot.py at 2018-04-03 06:17:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 570.33 Mbit/s

95th percentile per-packet one-way delay: 192.283 ms

Loss rate: 1.22%

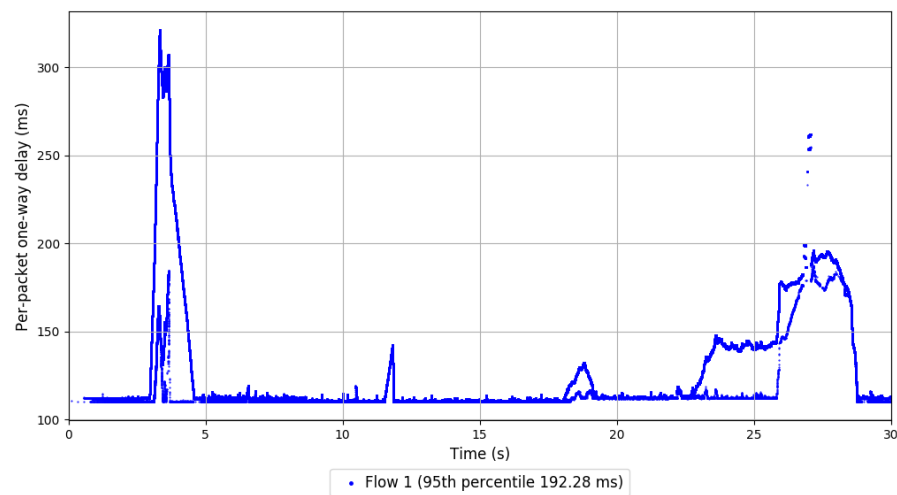
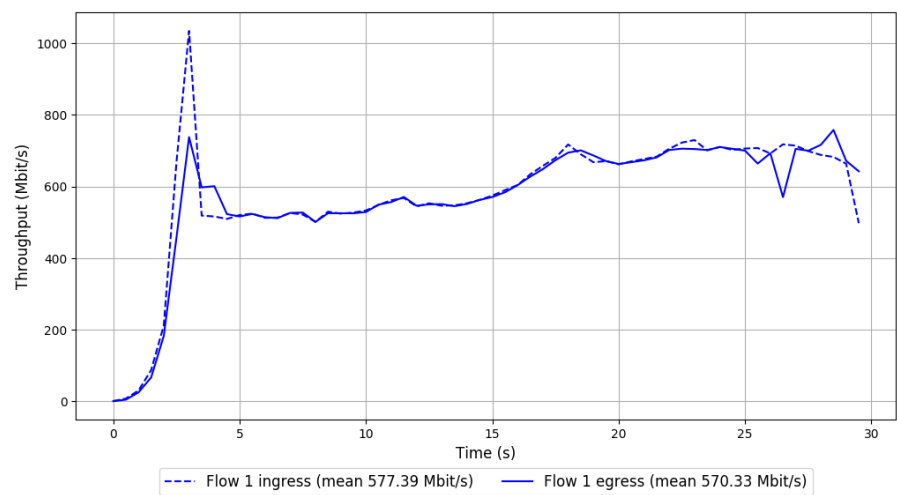
-- Flow 1:

Average throughput: 570.33 Mbit/s

95th percentile per-packet one-way delay: 192.283 ms

Loss rate: 1.22%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

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

End at: 2018-04-03 03:04:03

Below is generated by plot.py at 2018-04-03 06:17:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 560.30 Mbit/s

95th percentile per-packet one-way delay: 231.521 ms

Loss rate: 1.52%

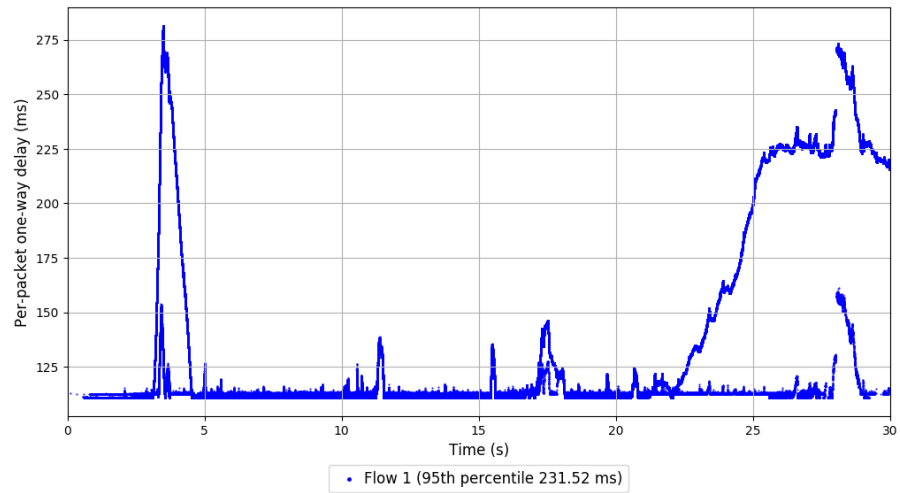
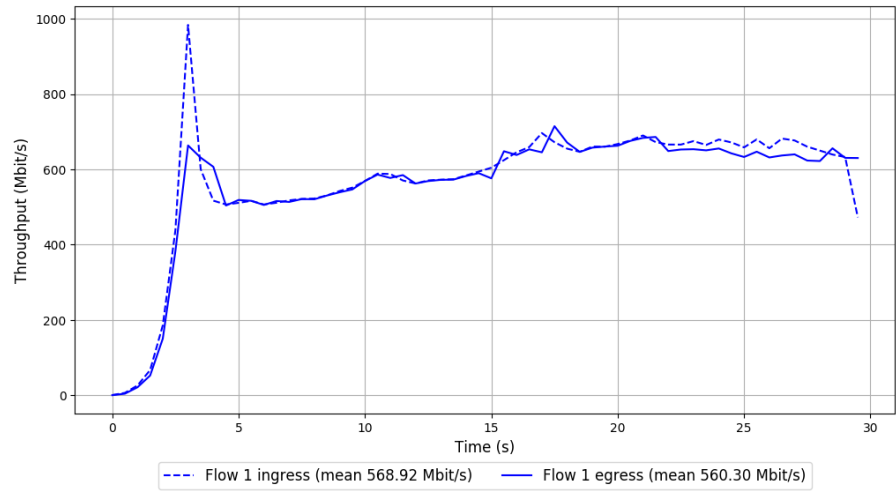
-- Flow 1:

Average throughput: 560.30 Mbit/s

95th percentile per-packet one-way delay: 231.521 ms

Loss rate: 1.52%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-04-03 03:18:59

End at: 2018-04-03 03:19:29

Below is generated by plot.py at 2018-04-03 06:18:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 583.87 Mbit/s

95th percentile per-packet one-way delay: 190.833 ms

Loss rate: 1.13%

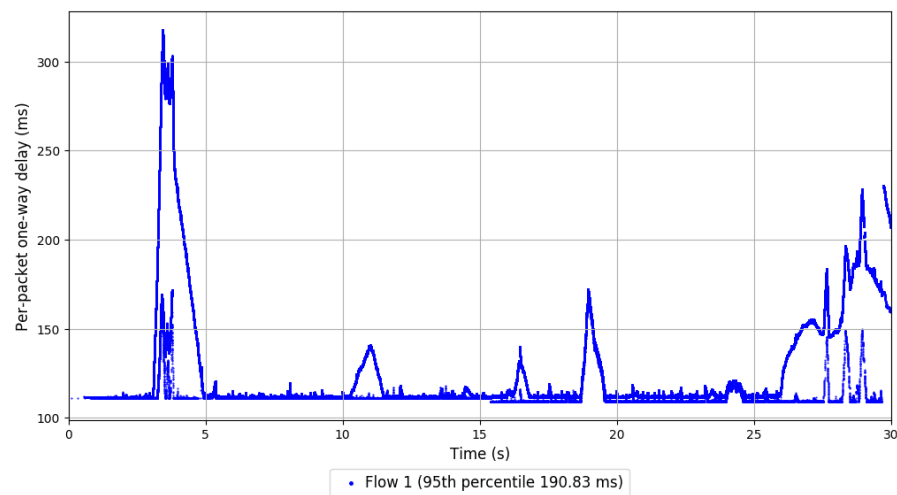
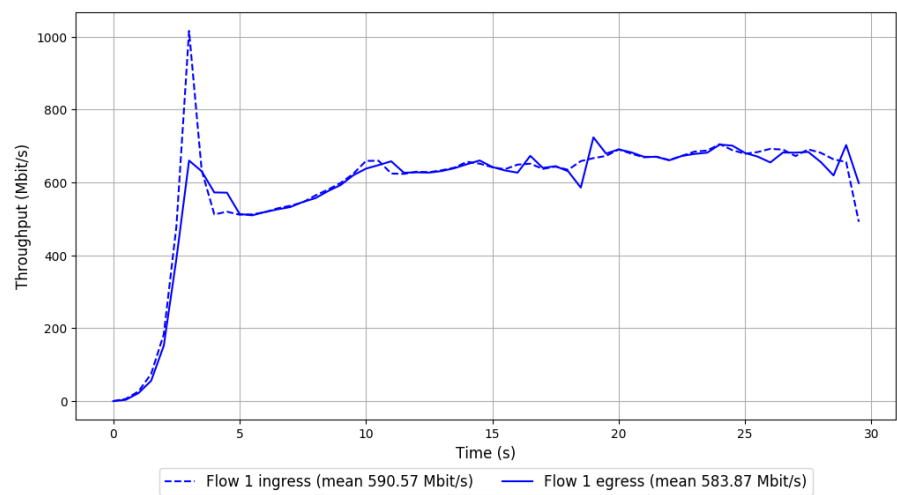
-- Flow 1:

Average throughput: 583.87 Mbit/s

95th percentile per-packet one-way delay: 190.833 ms

Loss rate: 1.13%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-04-03 03:34:23

End at: 2018-04-03 03:34:53

Below is generated by plot.py at 2018-04-03 06:18:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 569.51 Mbit/s

95th percentile per-packet one-way delay: 228.108 ms

Loss rate: 1.18%

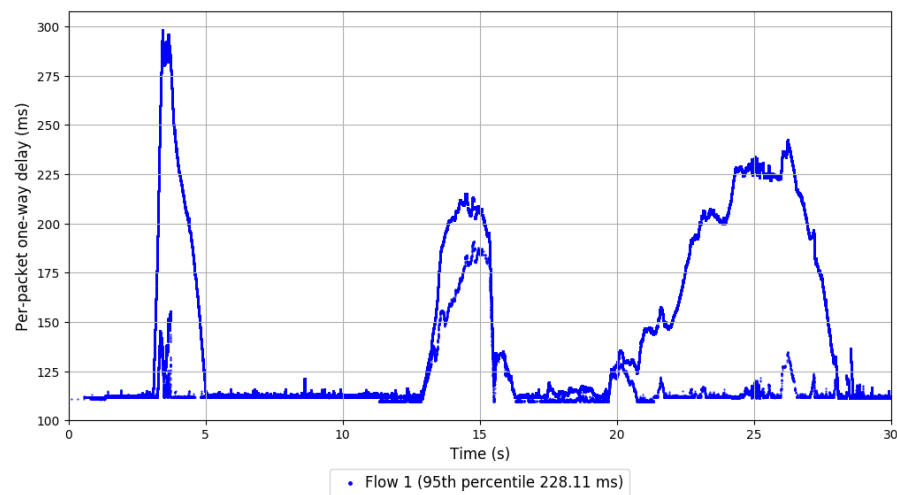
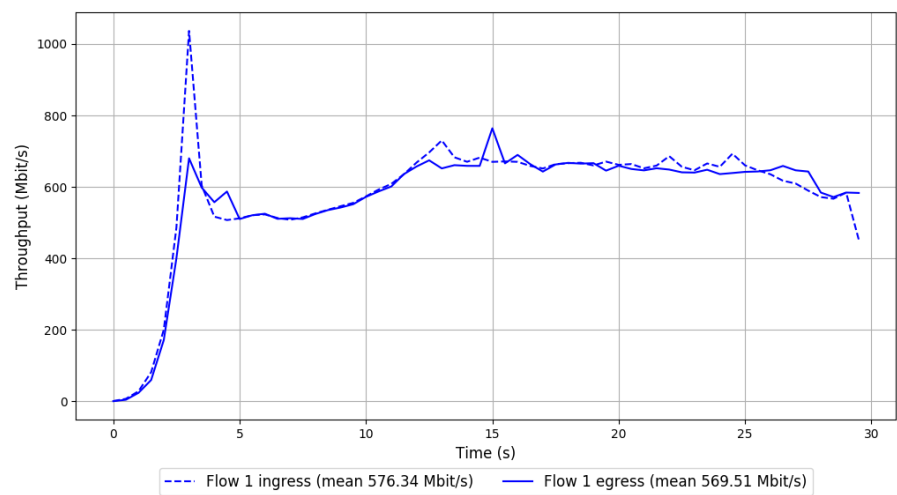
-- Flow 1:

Average throughput: 569.51 Mbit/s

95th percentile per-packet one-way delay: 228.108 ms

Loss rate: 1.18%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

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

End at: 2018-04-03 03:50:34

Below is generated by plot.py at 2018-04-03 06:18:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 538.38 Mbit/s

95th percentile per-packet one-way delay: 240.920 ms

Loss rate: 1.50%

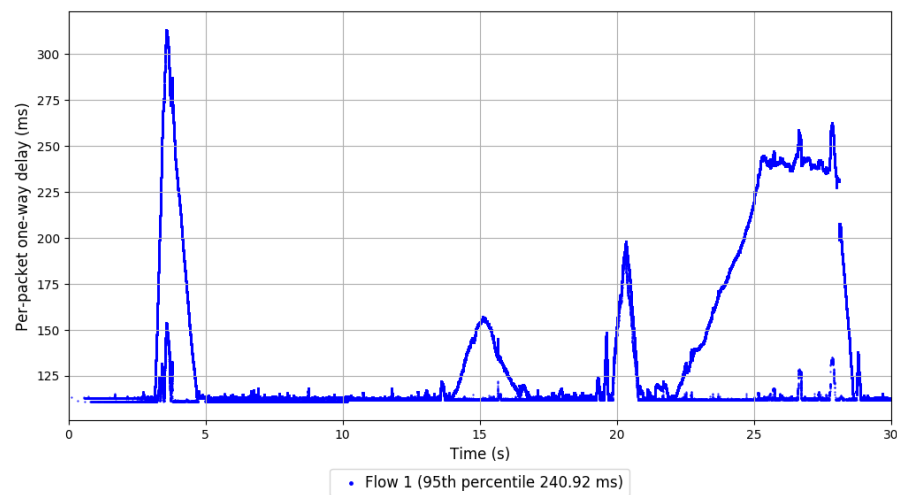
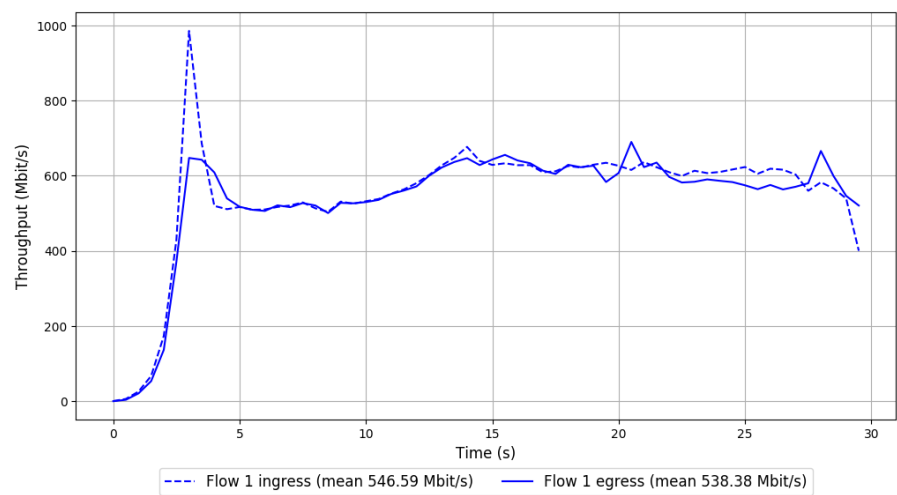
-- Flow 1:

Average throughput: 538.38 Mbit/s

95th percentile per-packet one-way delay: 240.920 ms

Loss rate: 1.50%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

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

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

Below is generated by plot.py at 2018-04-03 06:18:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 539.32 Mbit/s

95th percentile per-packet one-way delay: 239.332 ms

Loss rate: 1.70%

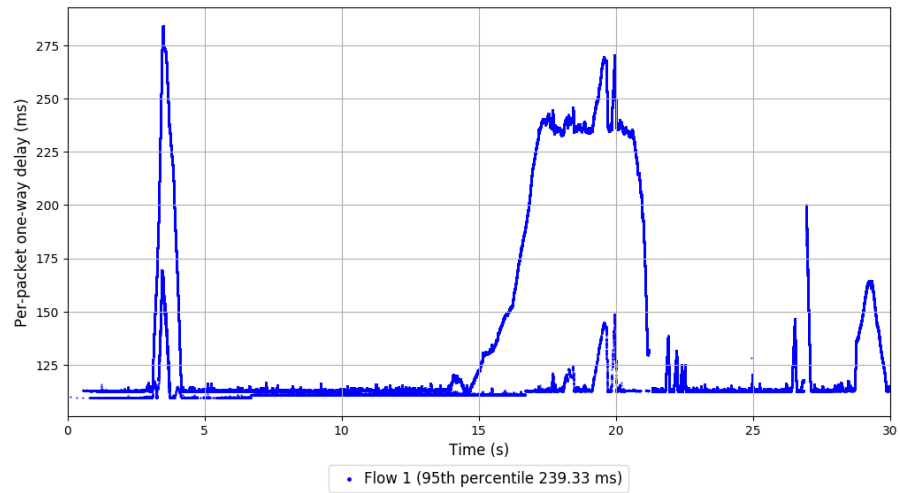
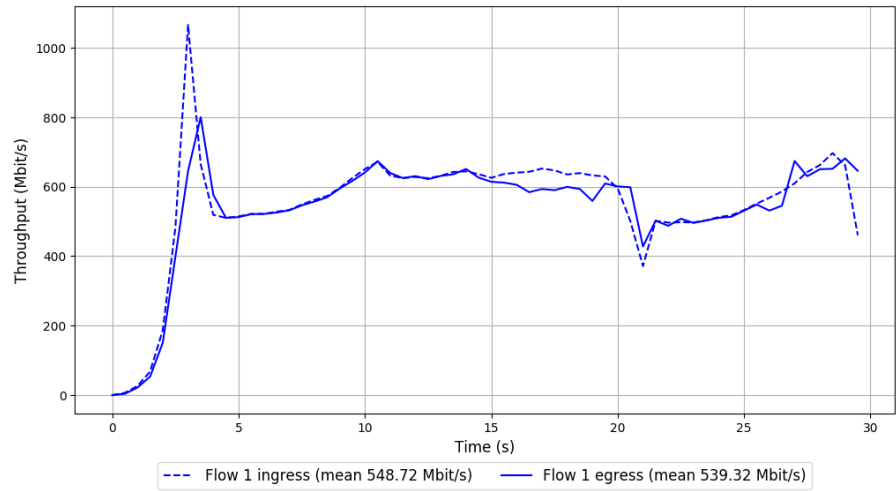
-- Flow 1:

Average throughput: 539.32 Mbit/s

95th percentile per-packet one-way delay: 239.332 ms

Loss rate: 1.70%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

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

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

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 560.66 Mbit/s

95th percentile per-packet one-way delay: 146.374 ms

Loss rate: 0.83%

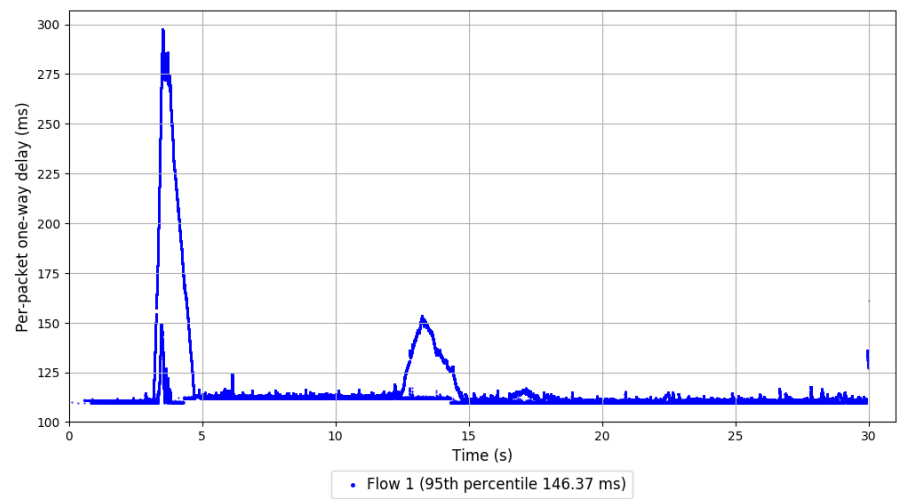
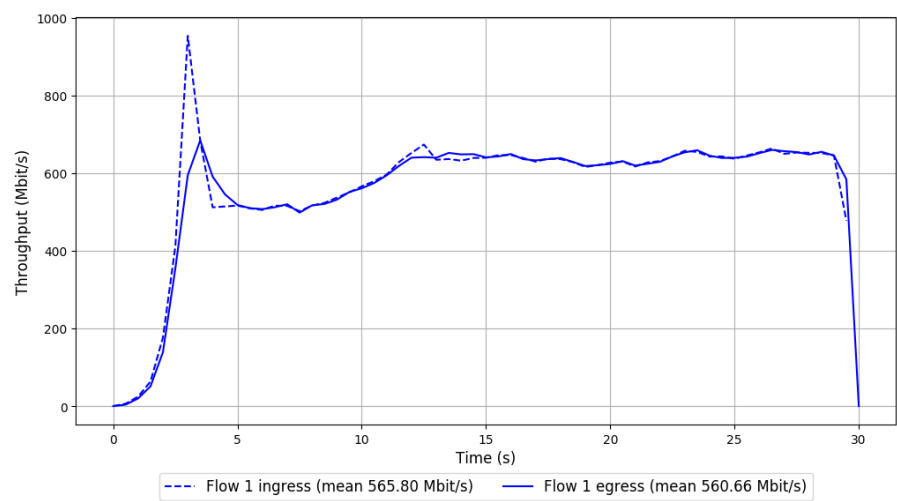
-- Flow 1:

Average throughput: 560.66 Mbit/s

95th percentile per-packet one-way delay: 146.374 ms

Loss rate: 0.83%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-04-03 04:36:37

End at: 2018-04-03 04:37:07

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 523.95 Mbit/s

95th percentile per-packet one-way delay: 182.275 ms

Loss rate: 0.94%

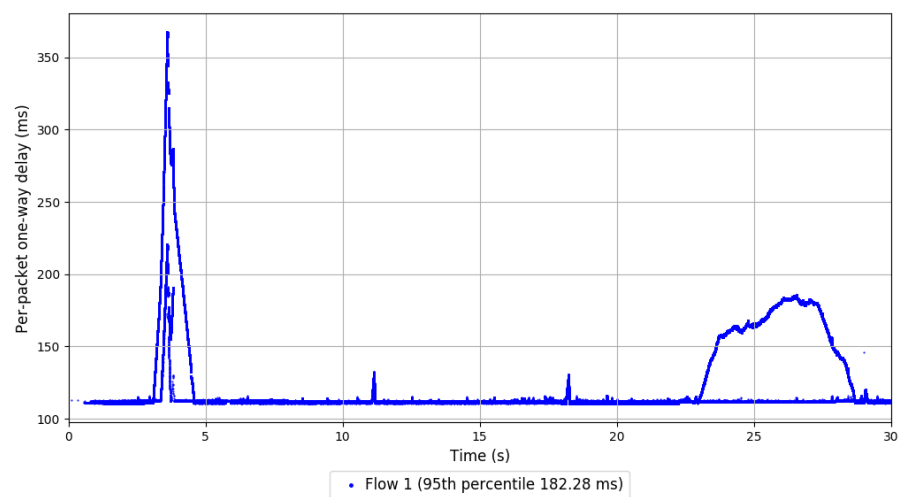
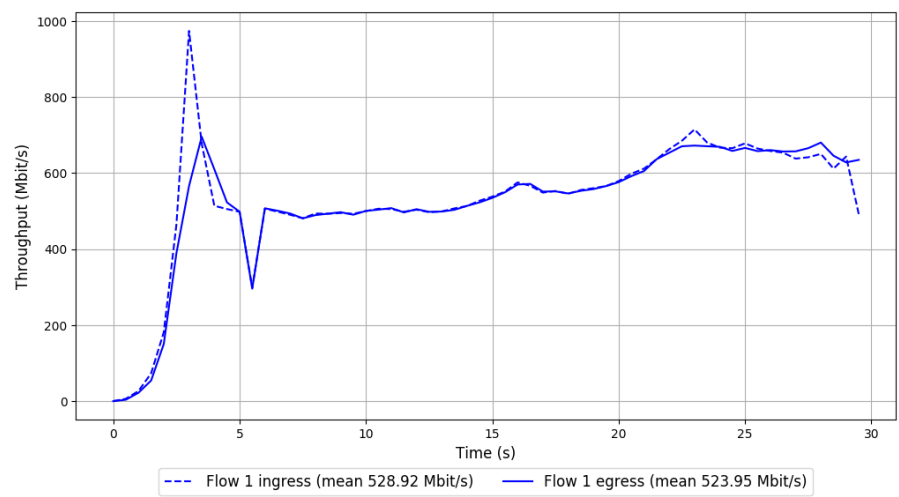
-- Flow 1:

Average throughput: 523.95 Mbit/s

95th percentile per-packet one-way delay: 182.275 ms

Loss rate: 0.94%

Run 10: Report of PCC — Data Link

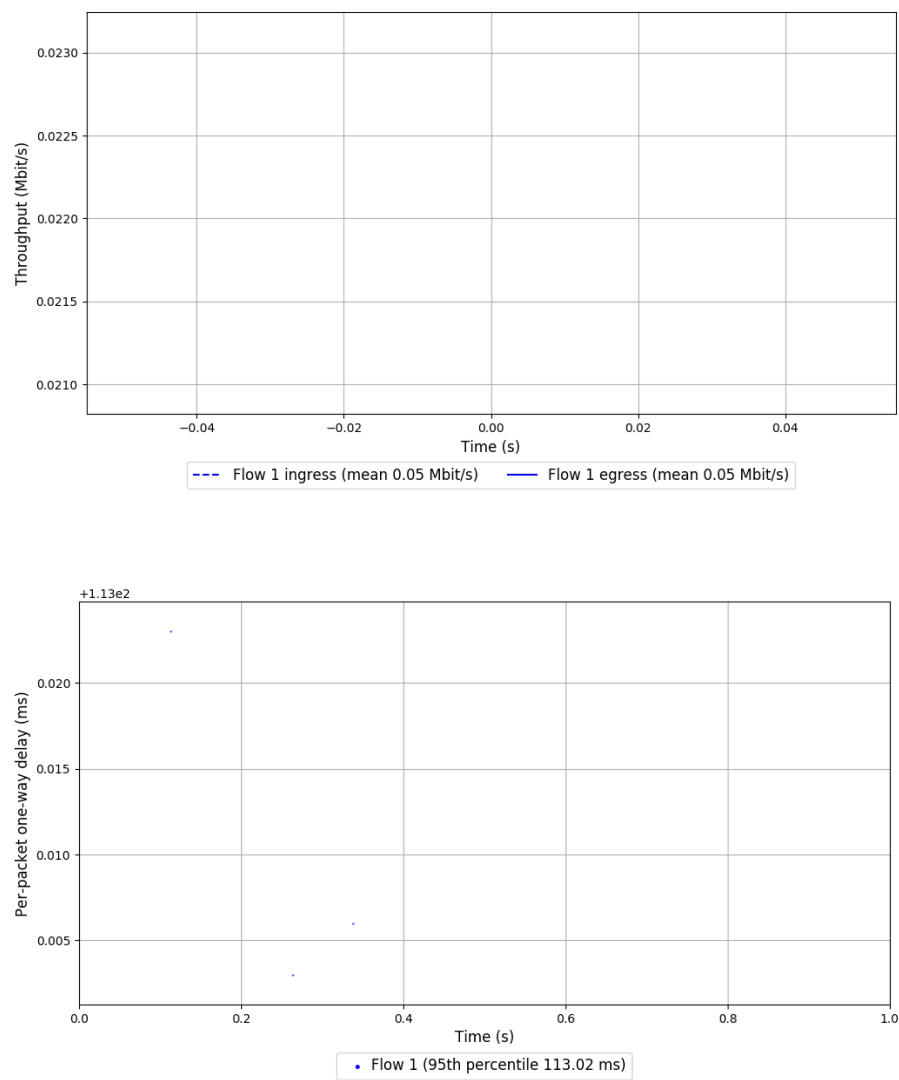


Run 1: Statistics of QUIC Cubic

Start at: 2018-04-03 02:21:35

End at: 2018-04-03 02:22:05

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-04-03 02:36:57

End at: 2018-04-03 02:37:27

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.52 Mbit/s

95th percentile per-packet one-way delay: 113.335 ms

Loss rate: 0.00%

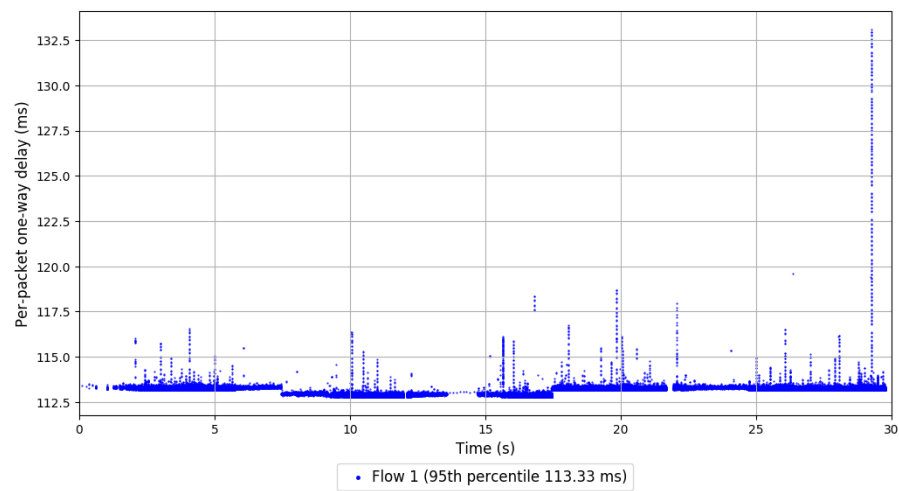
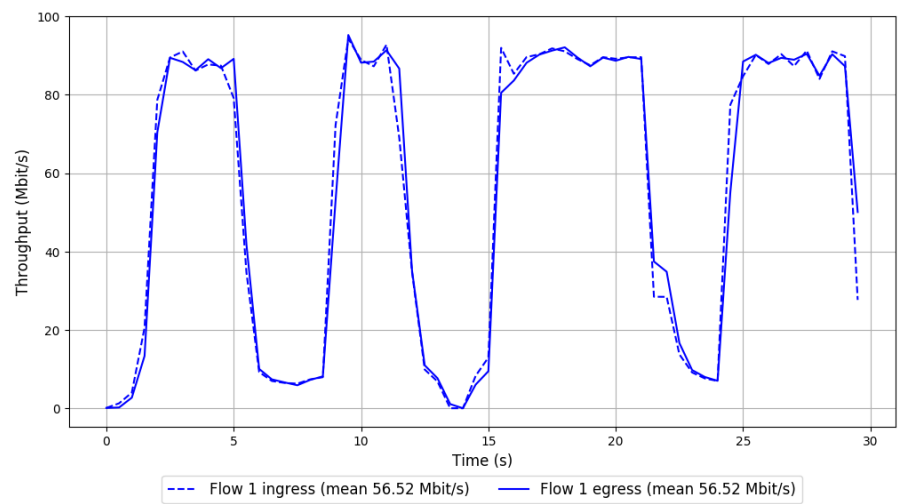
-- Flow 1:

Average throughput: 56.52 Mbit/s

95th percentile per-packet one-way delay: 113.335 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-04-03 02:52:20

End at: 2018-04-03 02:52:50

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.90 Mbit/s

95th percentile per-packet one-way delay: 112.956 ms

Loss rate: 0.00%

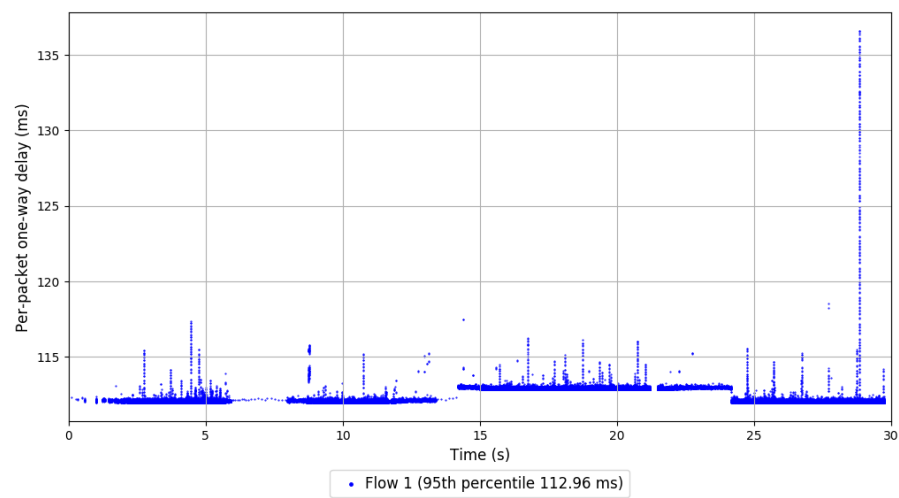
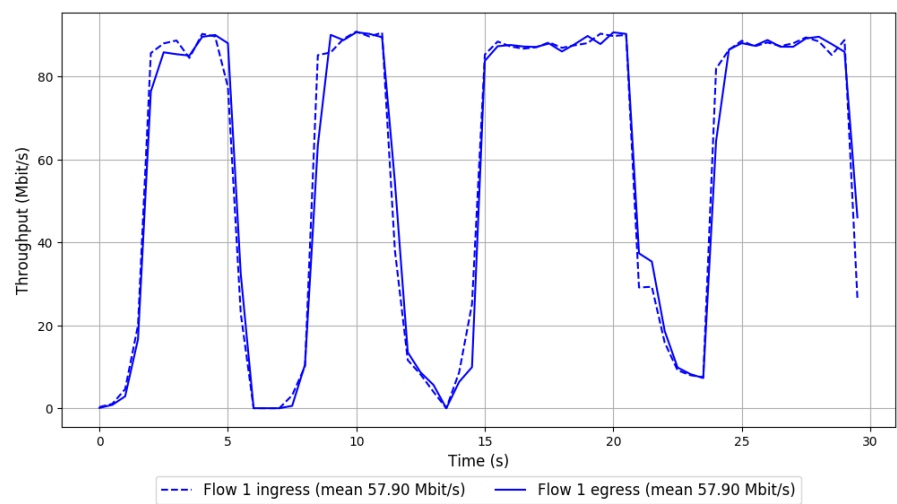
-- Flow 1:

Average throughput: 57.90 Mbit/s

95th percentile per-packet one-way delay: 112.956 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

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

End at: 2018-04-03 03:08:32

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.96 Mbit/s

95th percentile per-packet one-way delay: 109.327 ms

Loss rate: 0.00%

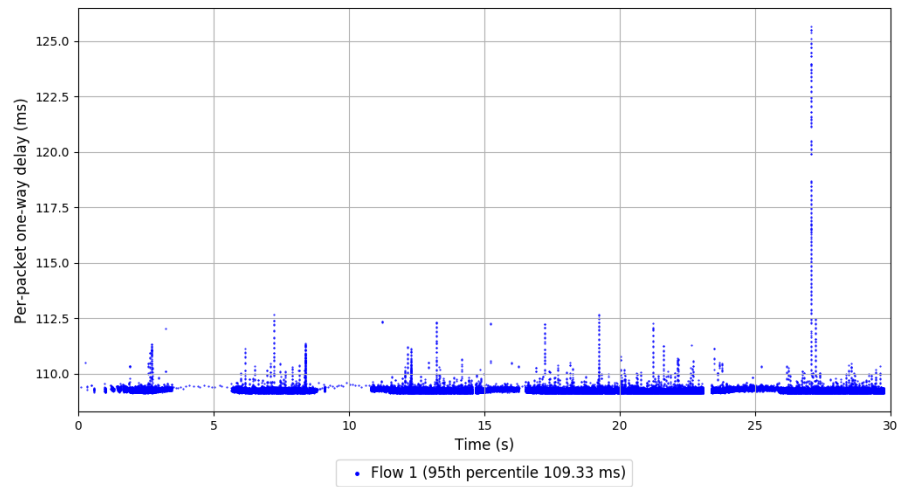
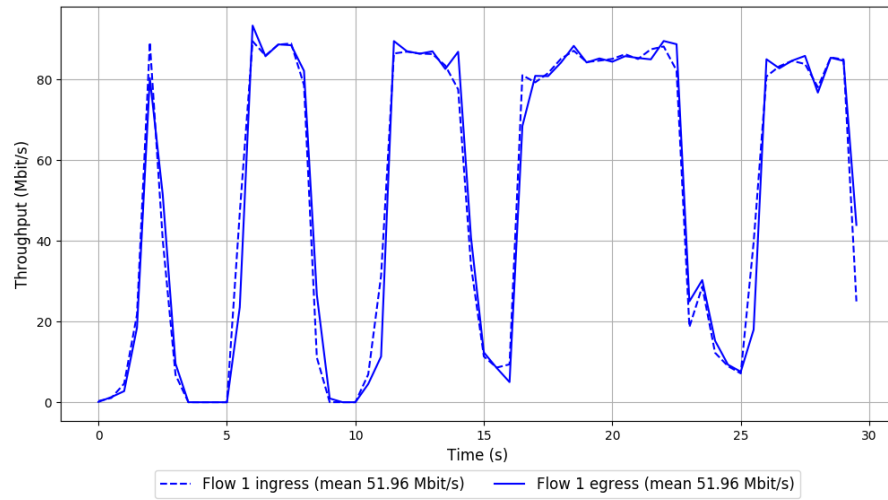
-- Flow 1:

Average throughput: 51.96 Mbit/s

95th percentile per-packet one-way delay: 109.327 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-04-03 03:23:20

End at: 2018-04-03 03:23:50

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.07 Mbit/s

95th percentile per-packet one-way delay: 111.473 ms

Loss rate: 0.00%

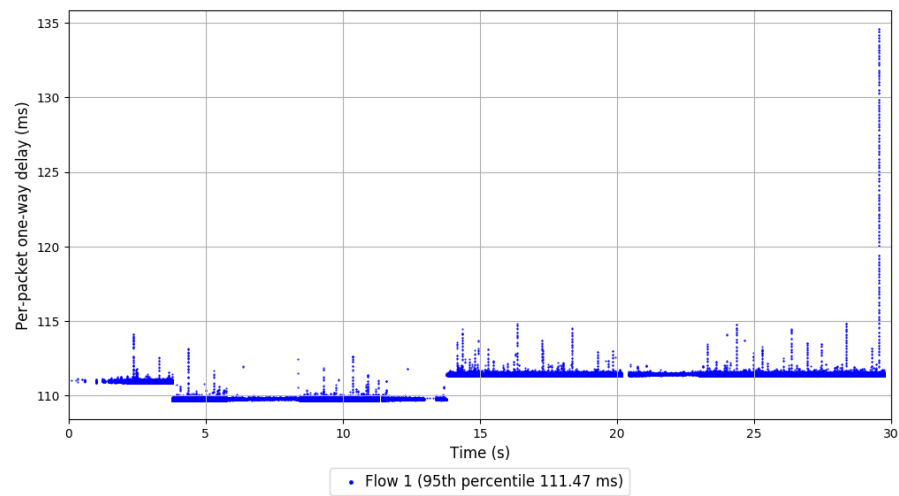
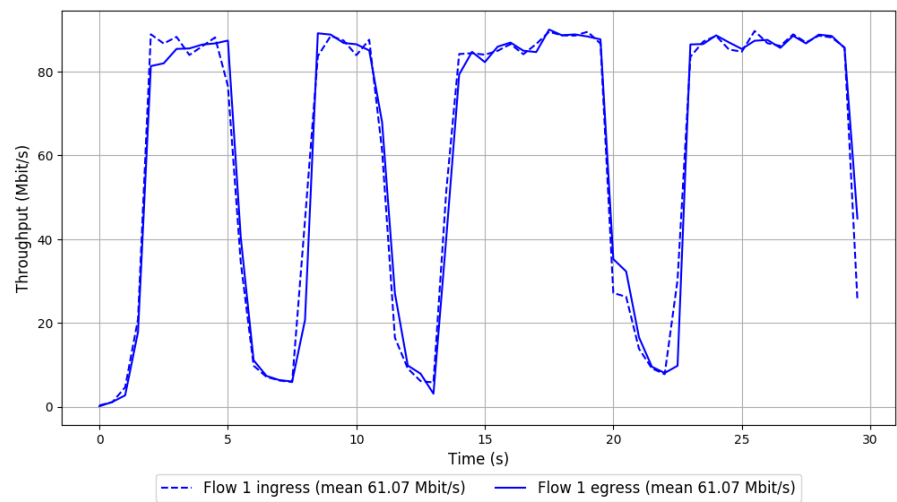
-- Flow 1:

Average throughput: 61.07 Mbit/s

95th percentile per-packet one-way delay: 111.473 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-04-03 03:39:00

End at: 2018-04-03 03:39:30

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.05 Mbit/s

95th percentile per-packet one-way delay: 112.664 ms

Loss rate: 0.00%

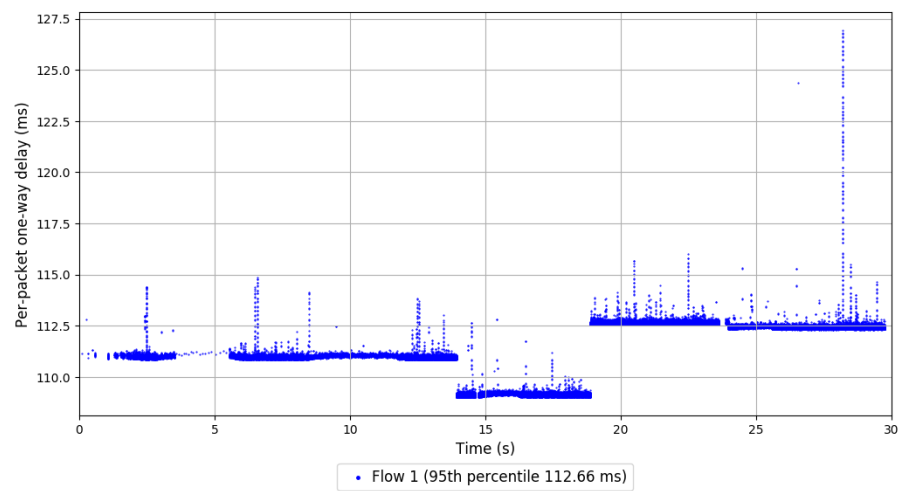
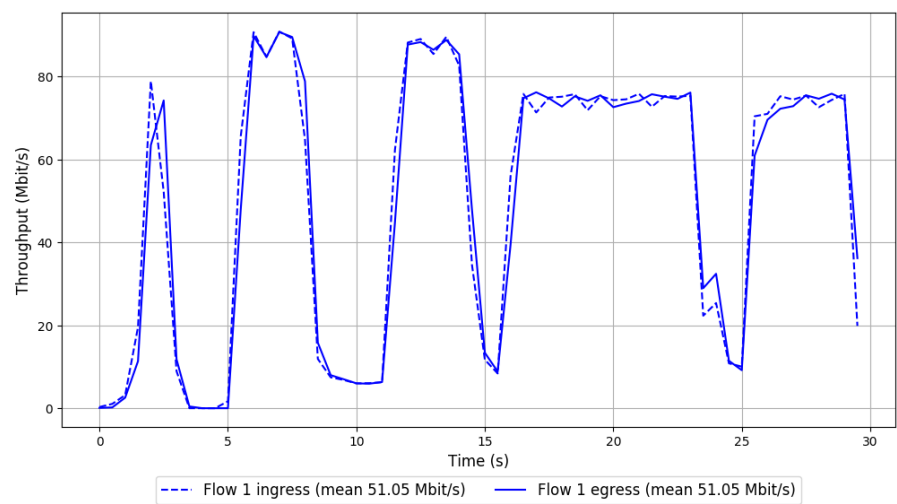
-- Flow 1:

Average throughput: 51.05 Mbit/s

95th percentile per-packet one-way delay: 112.664 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-04-03 03:54:32

End at: 2018-04-03 03:55:02

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.24 Mbit/s

95th percentile per-packet one-way delay: 111.030 ms

Loss rate: 0.00%

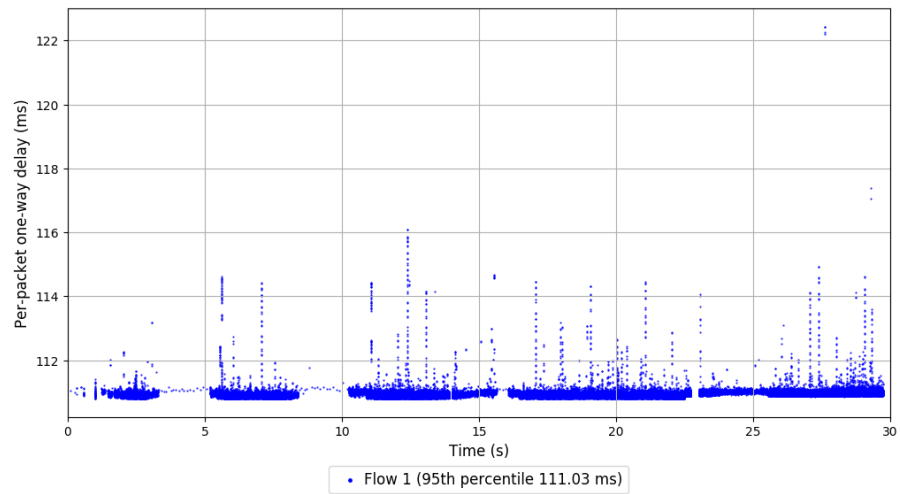
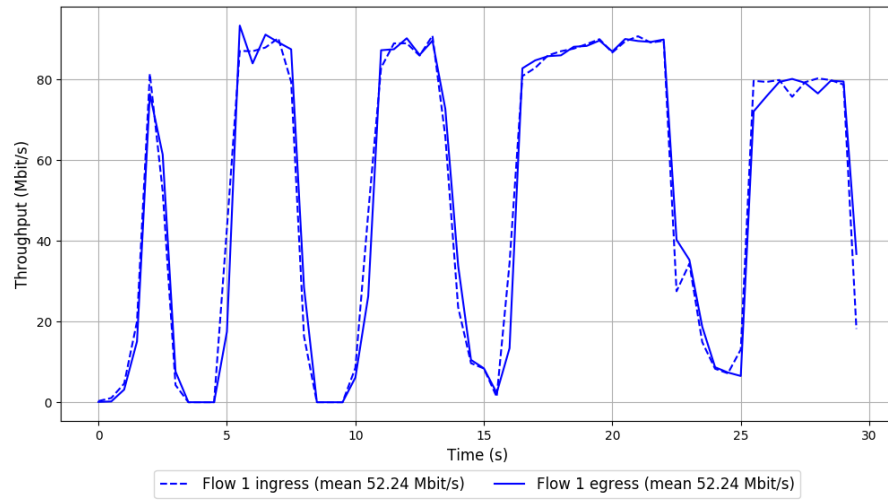
-- Flow 1:

Average throughput: 52.24 Mbit/s

95th percentile per-packet one-way delay: 111.030 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

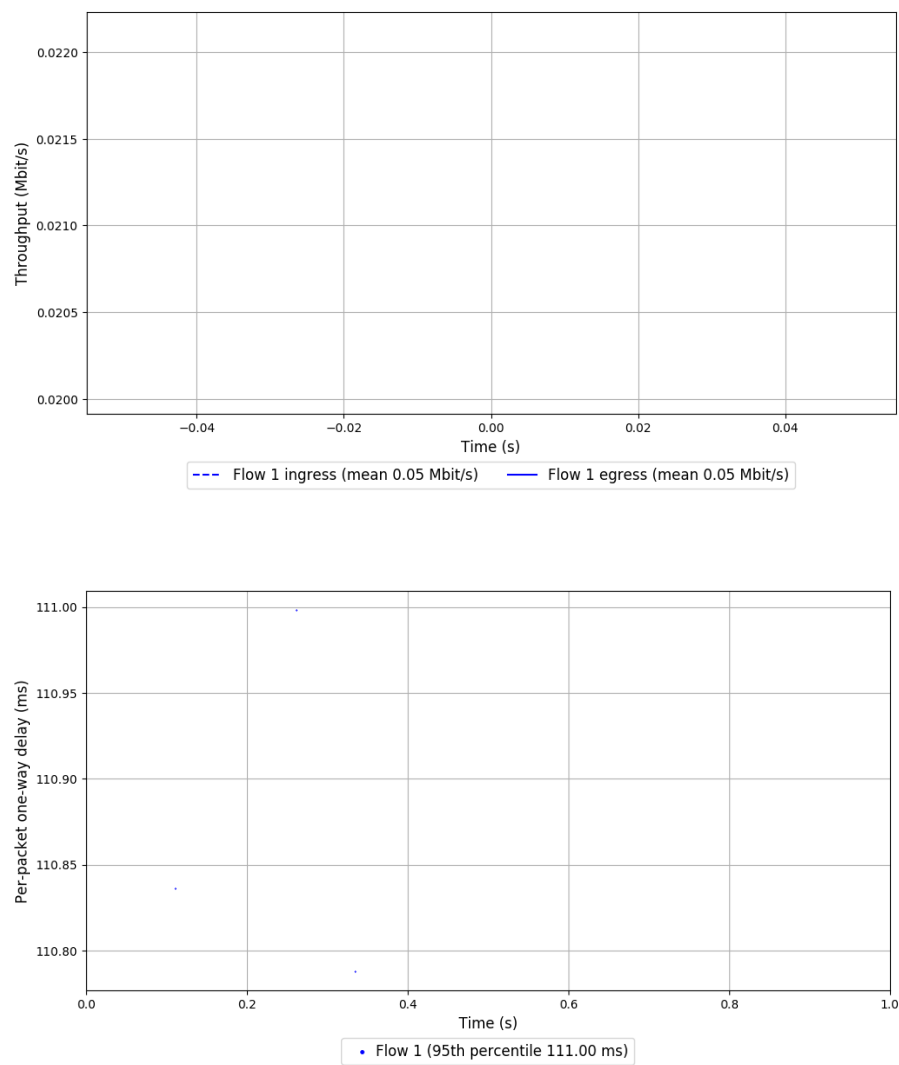


Run 8: Statistics of QUIC Cubic

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

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

Run 8: Report of QUIC Cubic — Data Link

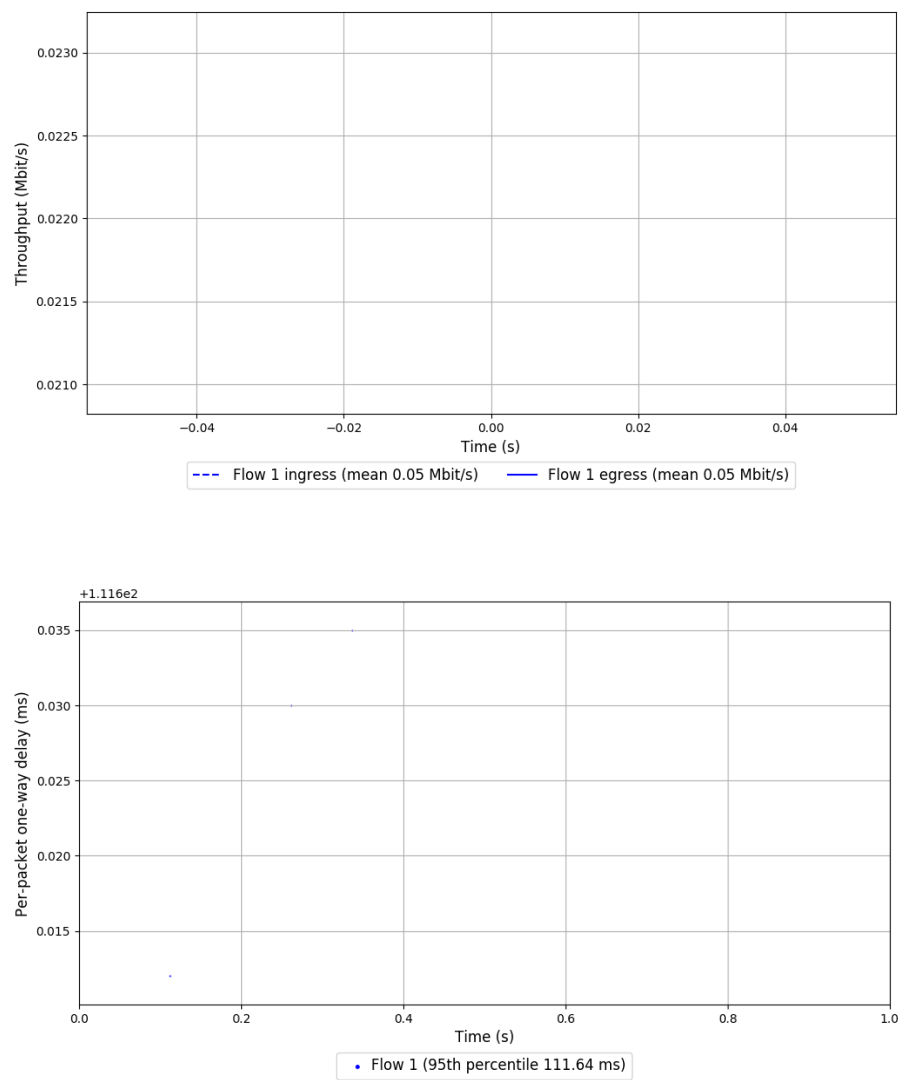


Run 9: Statistics of QUIC Cubic

Start at: 2018-04-03 04:26:01

End at: 2018-04-03 04:26:31

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-04-03 04:40:55

End at: 2018-04-03 04:41:25

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.32 Mbit/s

95th percentile per-packet one-way delay: 112.280 ms

Loss rate: 0.00%

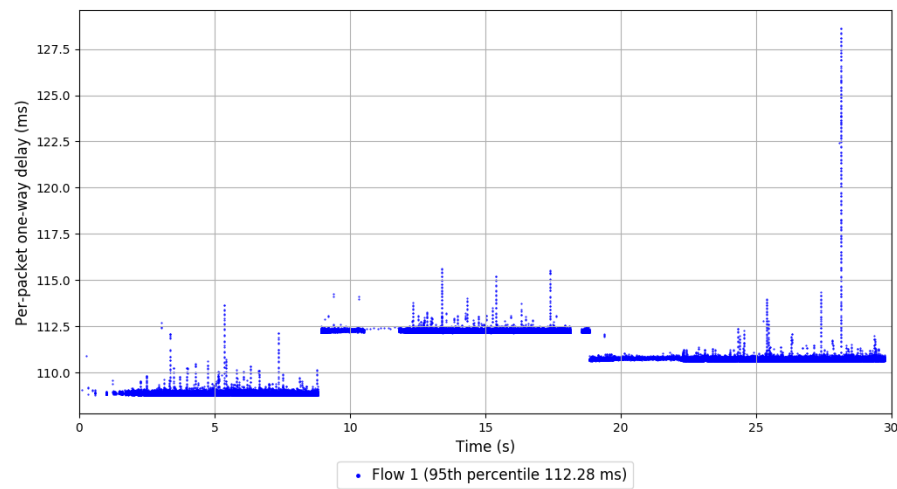
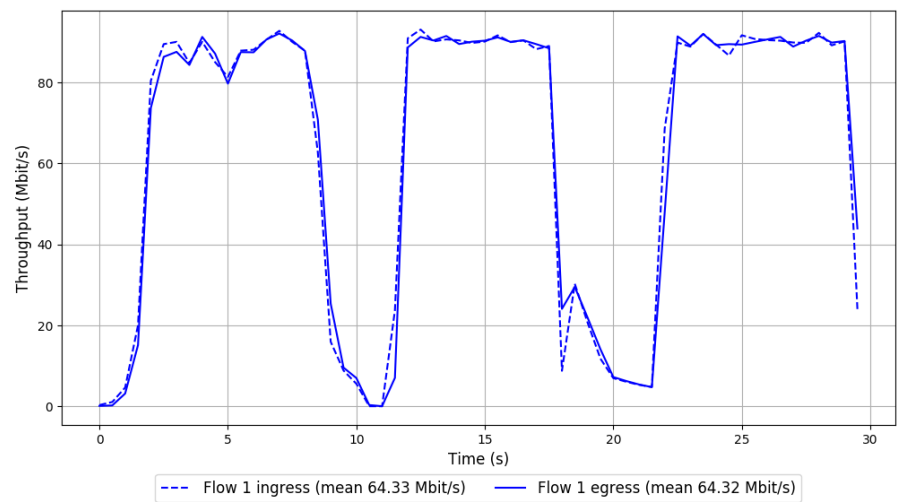
-- Flow 1:

Average throughput: 64.32 Mbit/s

95th percentile per-packet one-way delay: 112.280 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

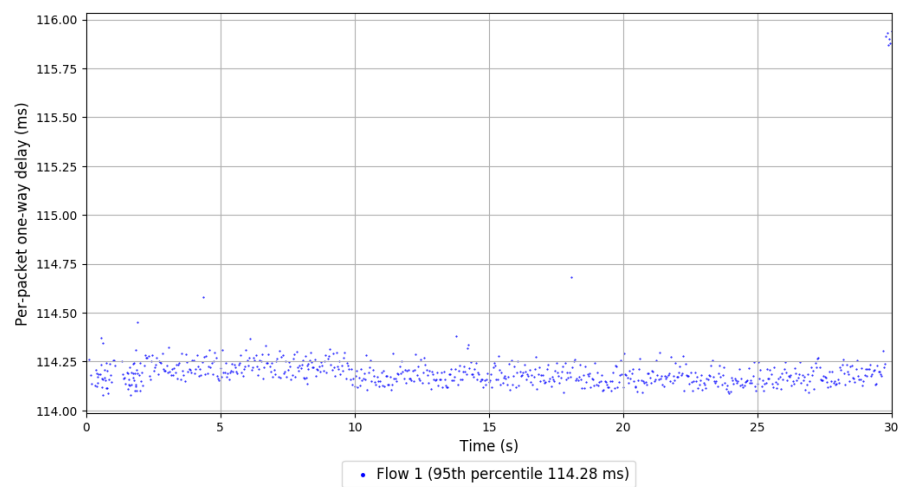
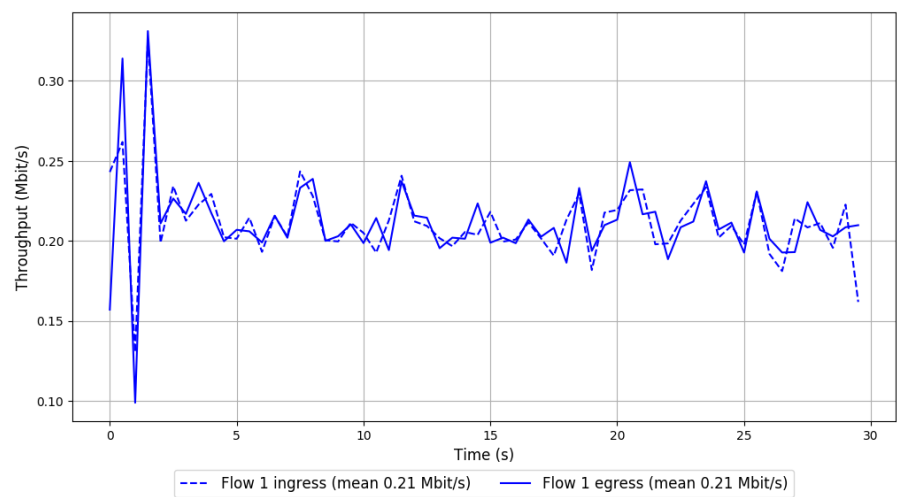


```
Run 1: Statistics of SCReAM

Start at: 2018-04-03 02:20:55
End at: 2018-04-03 02:21:25

# Below is generated by plot.py at 2018-04-03 06:27:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 114.285 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 114.285 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

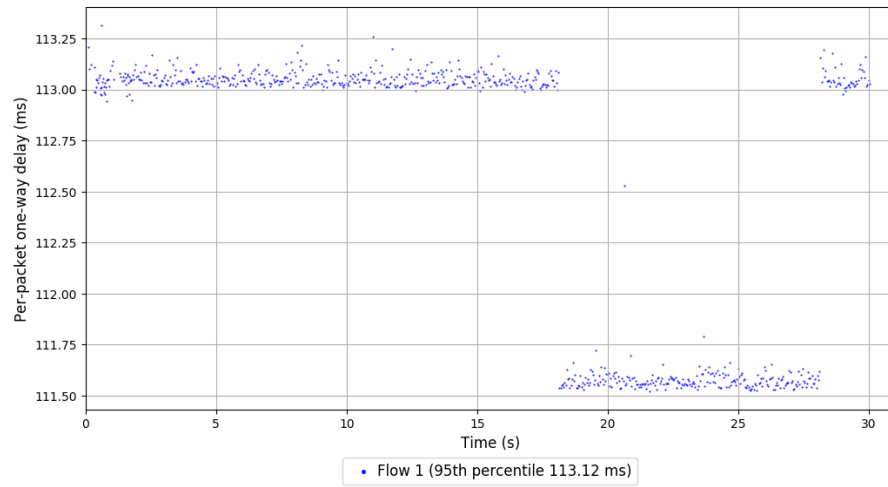
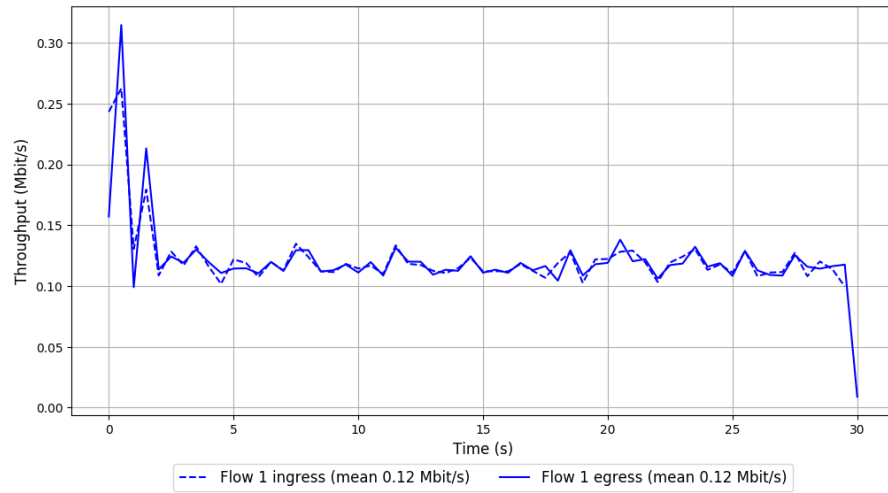


```
Run 2: Statistics of SCReAM

Start at: 2018-04-03 02:36:16
End at: 2018-04-03 02:36:46

# Below is generated by plot.py at 2018-04-03 06:27:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 113.116 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 113.116 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-04-03 02:51:40

End at: 2018-04-03 02:52:10

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.527 ms

Loss rate: 0.00%

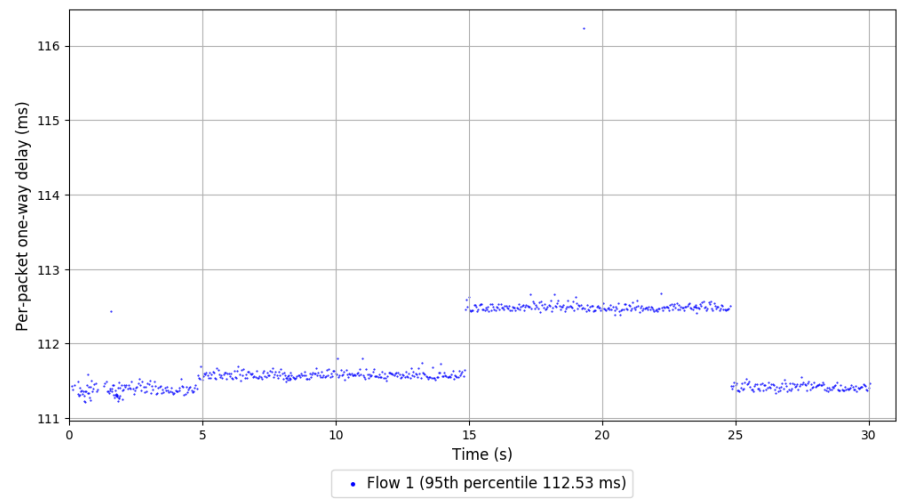
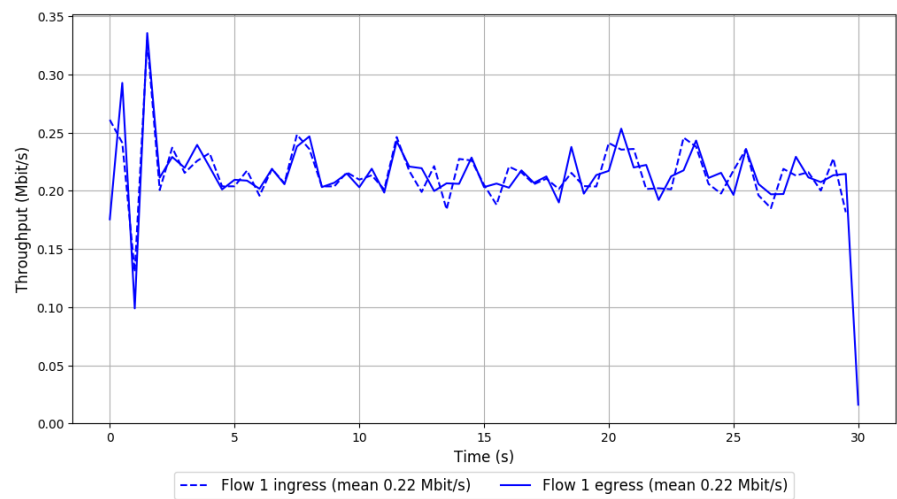
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.527 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

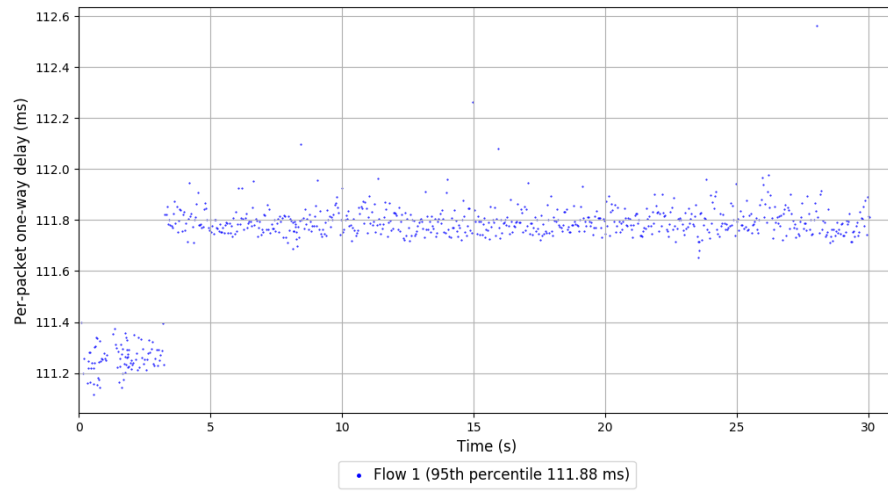
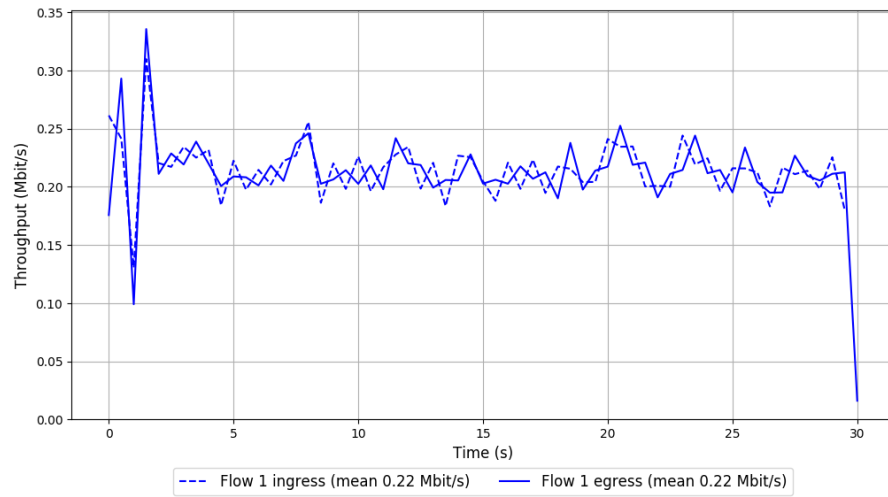


```
Run 4: Statistics of SCReAM

Start at: 2018-04-03 03:07:21
End at: 2018-04-03 03:07:51

# Below is generated by plot.py at 2018-04-03 06:27:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.882 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.882 ms
Loss rate: 0.00%
```

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-04-03 03:22:40

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

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.121 ms

Loss rate: 0.00%

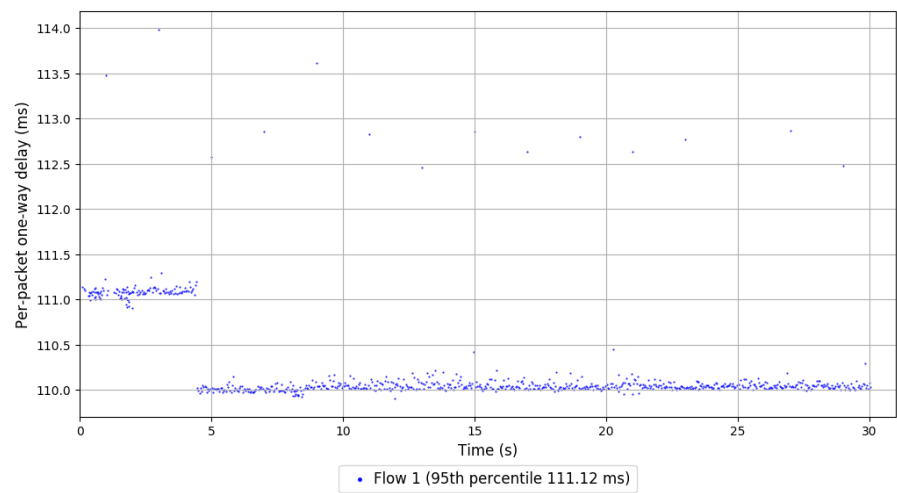
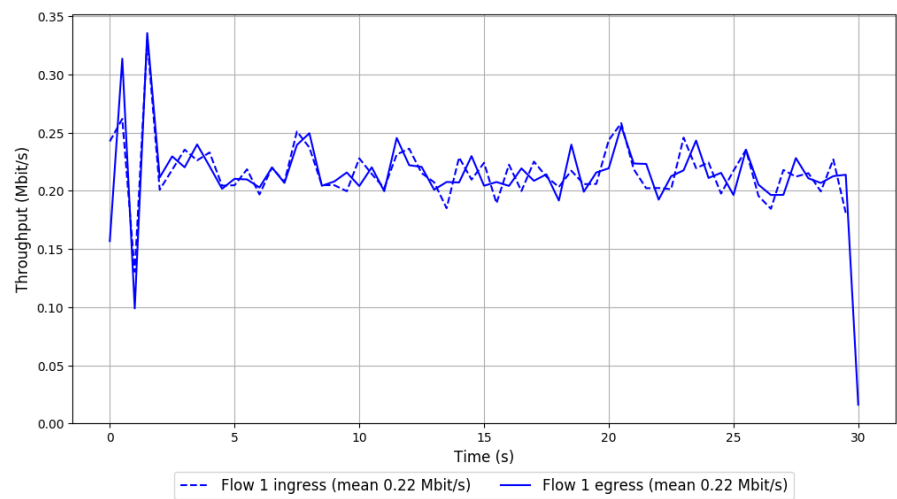
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.121 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

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

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

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 115.088 ms

Loss rate: 0.00%

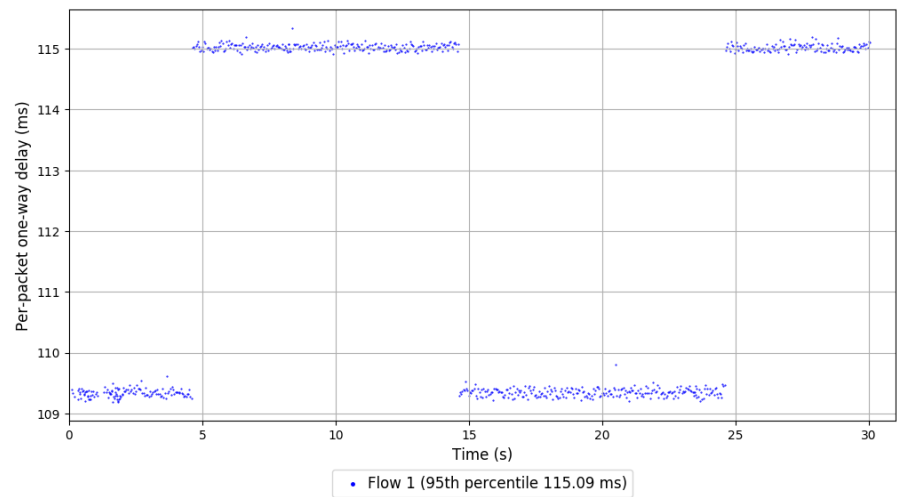
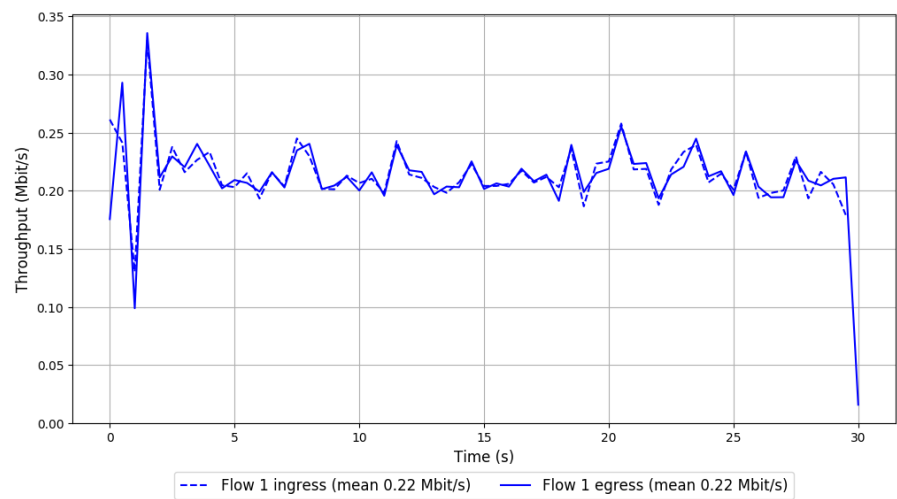
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 115.088 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-04-03 03:53:51

End at: 2018-04-03 03:54:21

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.991 ms

Loss rate: 0.00%

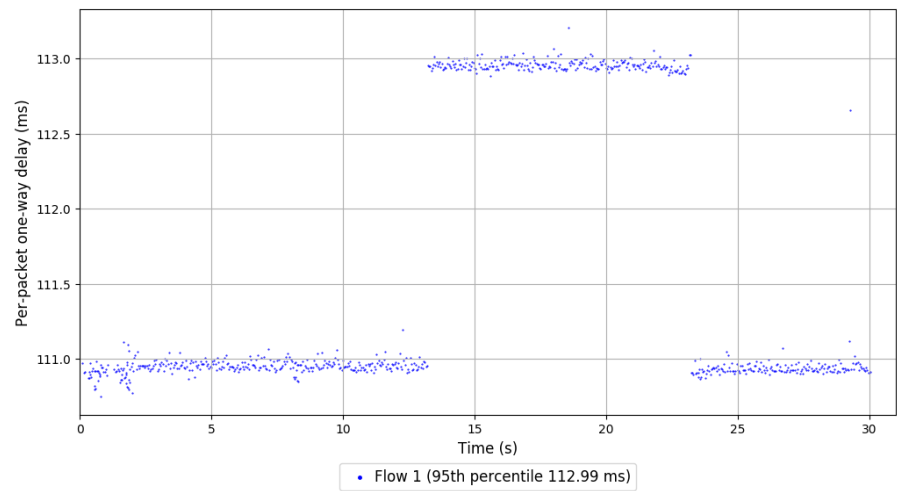
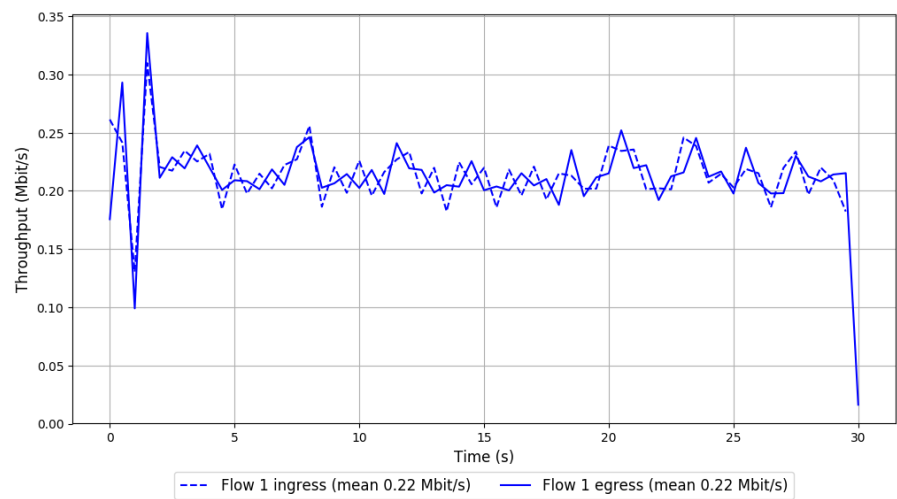
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.991 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-04-03 04:09:32

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

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 113.087 ms

Loss rate: 0.00%

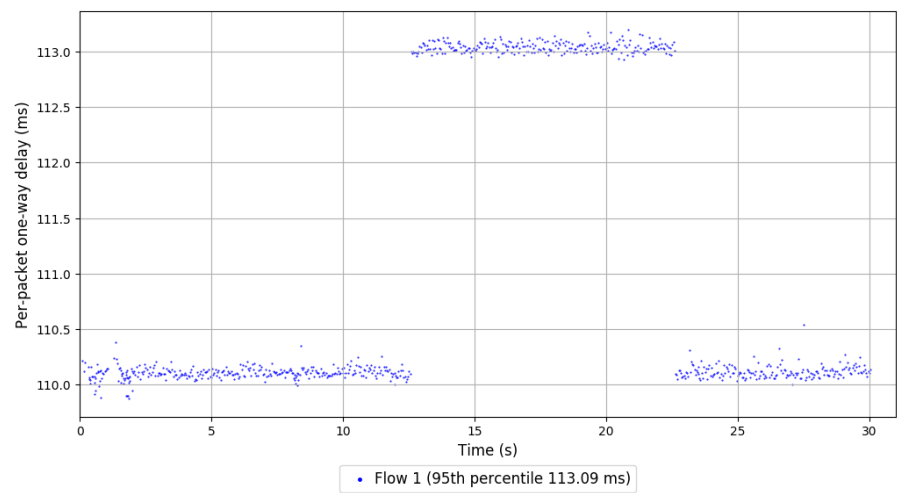
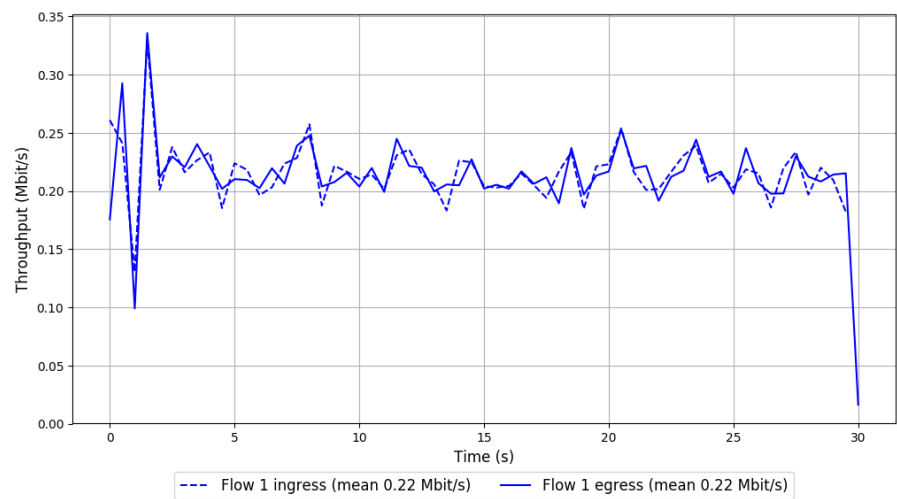
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 113.087 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-04-03 04:25:20

End at: 2018-04-03 04:25:50

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.135 ms

Loss rate: 0.00%

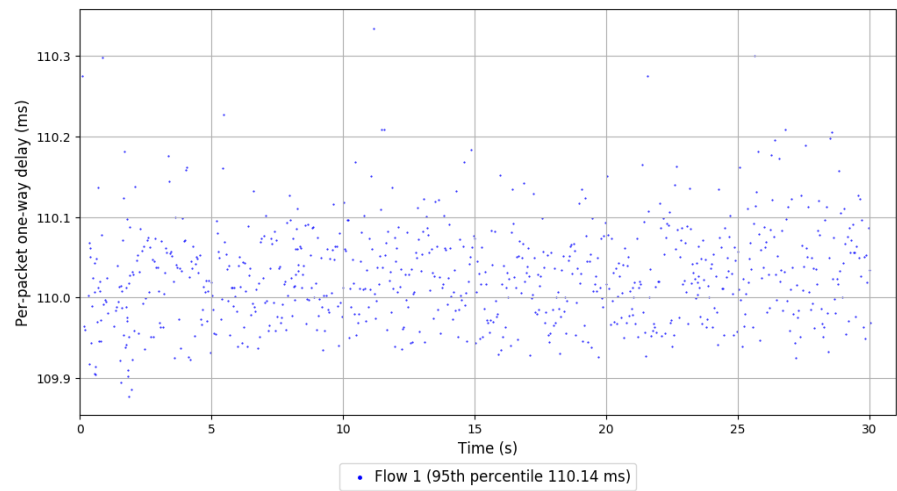
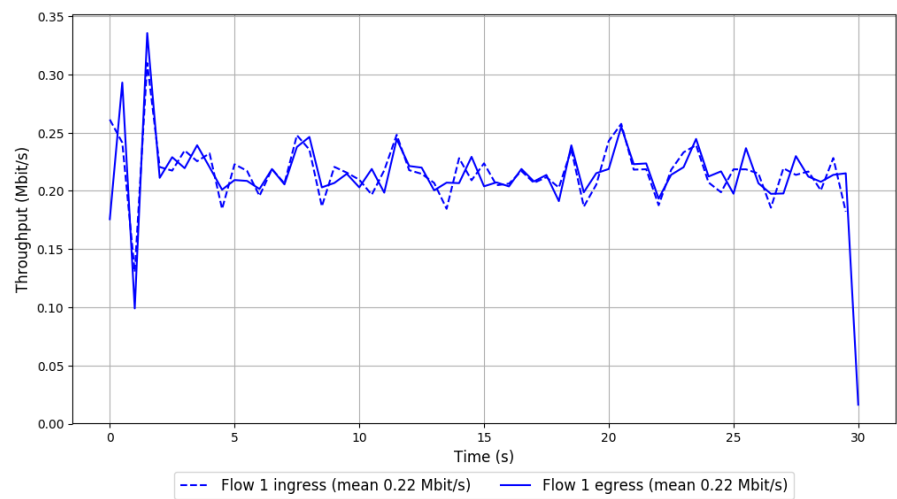
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.135 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-04-03 04:40:15

End at: 2018-04-03 04:40:45

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.407 ms

Loss rate: 0.00%

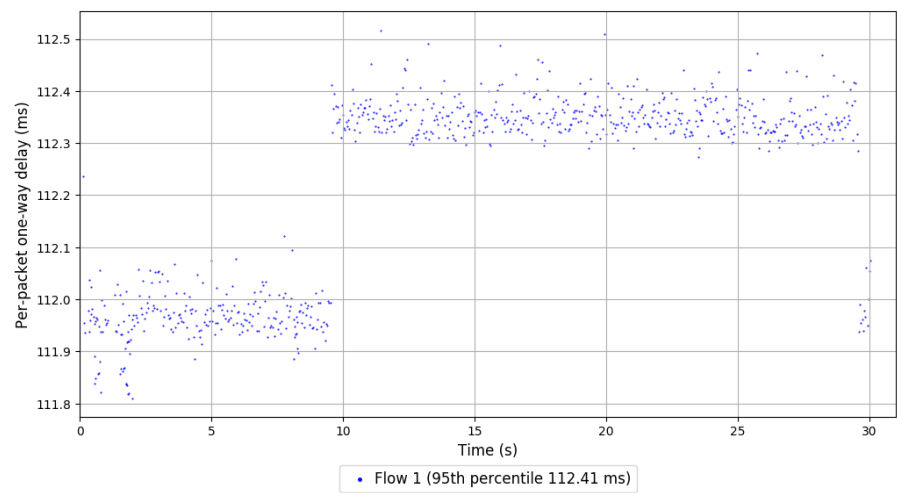
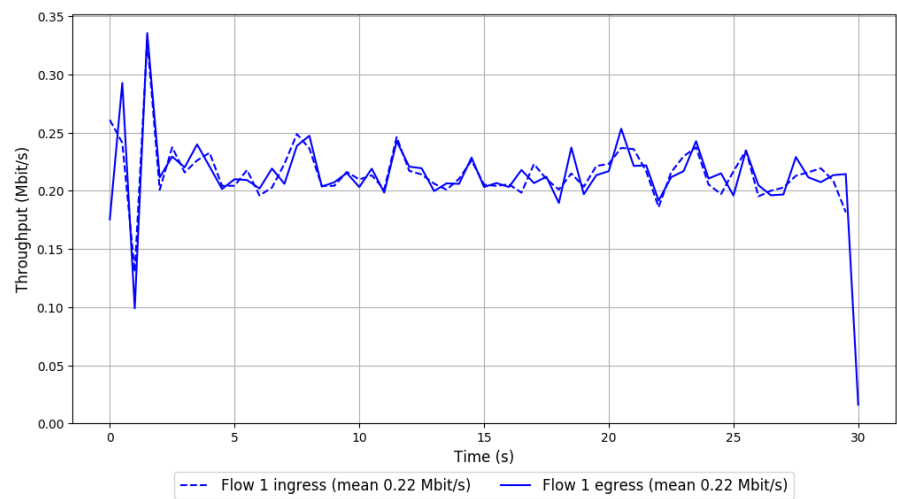
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.407 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

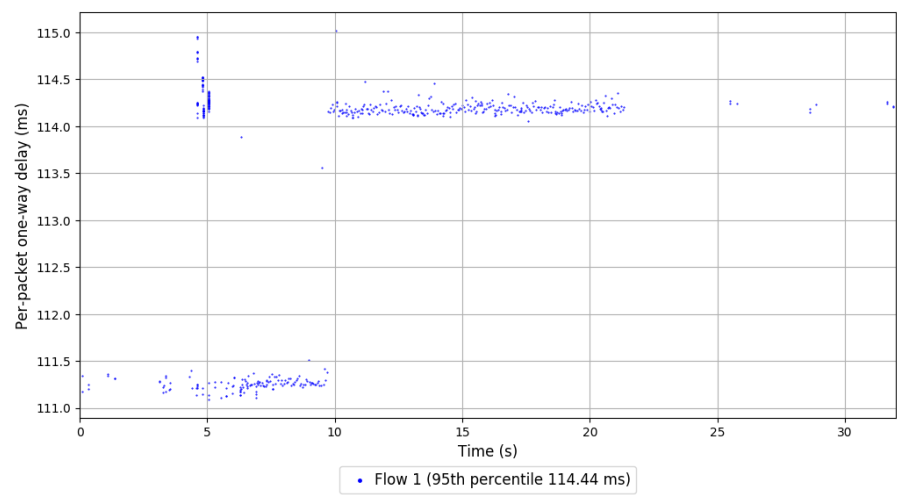
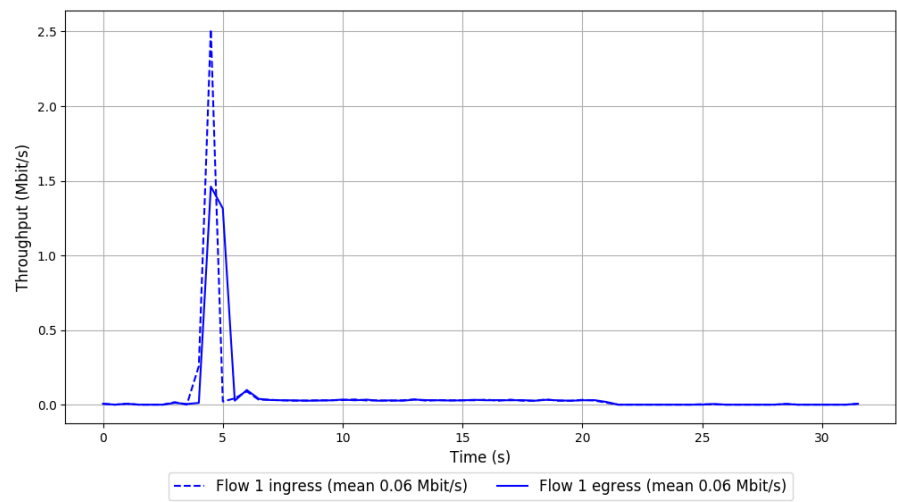


```
Run 1: Statistics of WebRTC media

Start at: 2018-04-03 02:23:57
End at: 2018-04-03 02:24:27

# Below is generated by plot.py at 2018-04-03 06:27:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 114.438 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 114.438 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-04-03 02:39:28

End at: 2018-04-03 02:39:58

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 112.195 ms

Loss rate: 0.00%

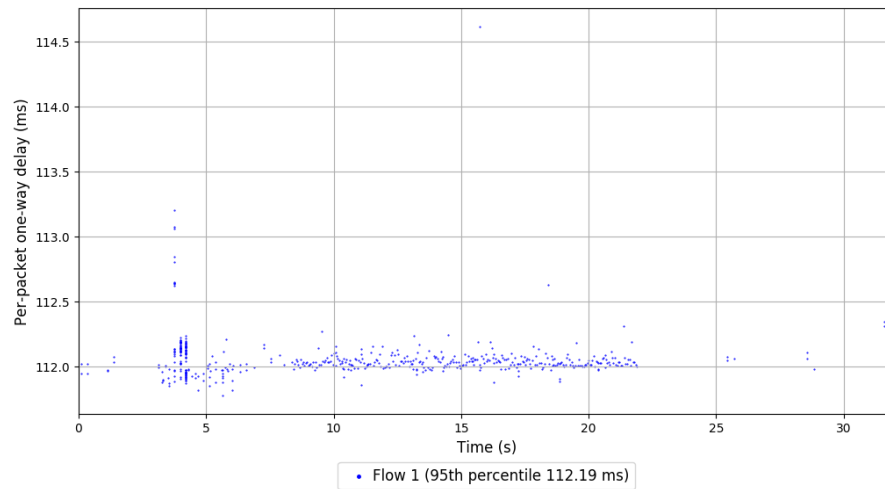
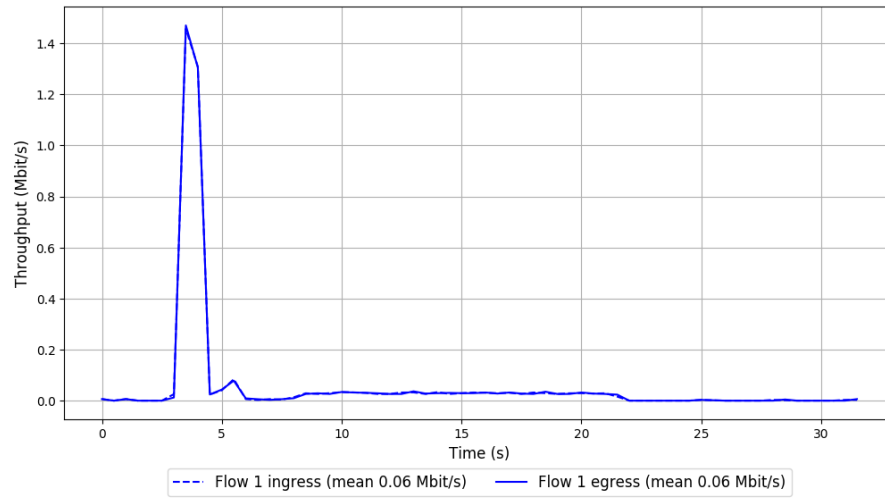
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 112.195 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-04-03 02:54:46

End at: 2018-04-03 02:55:16

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 113.329 ms

Loss rate: 0.00%

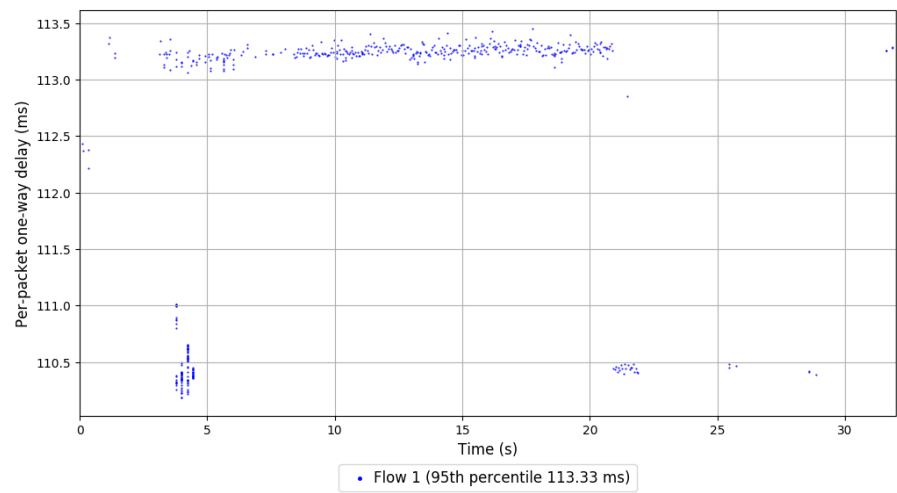
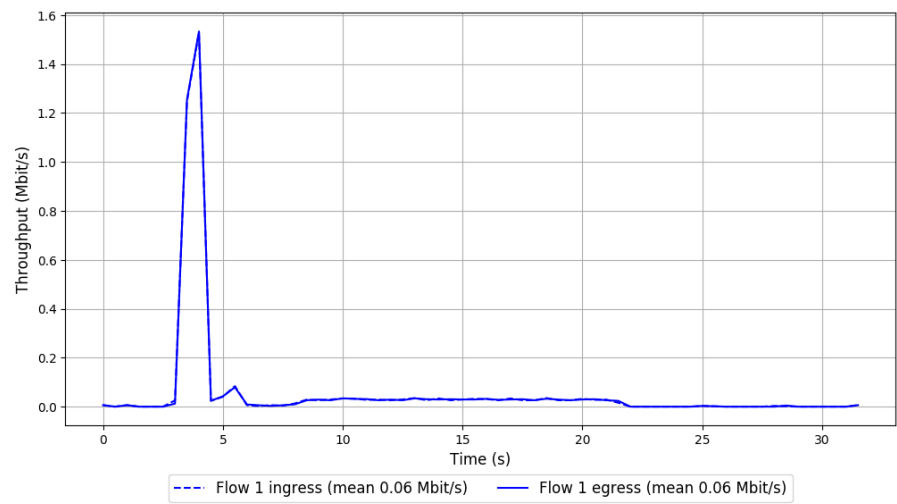
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 113.329 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

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

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

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 111.847 ms

Loss rate: 0.00%

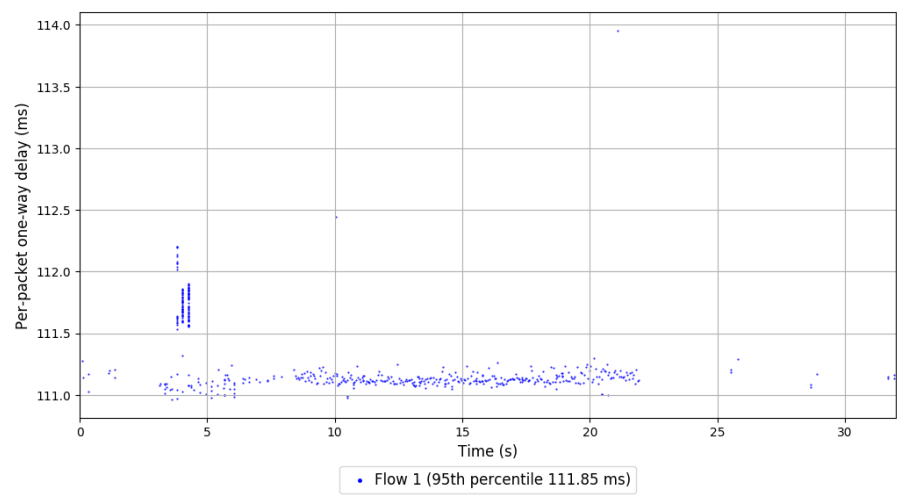
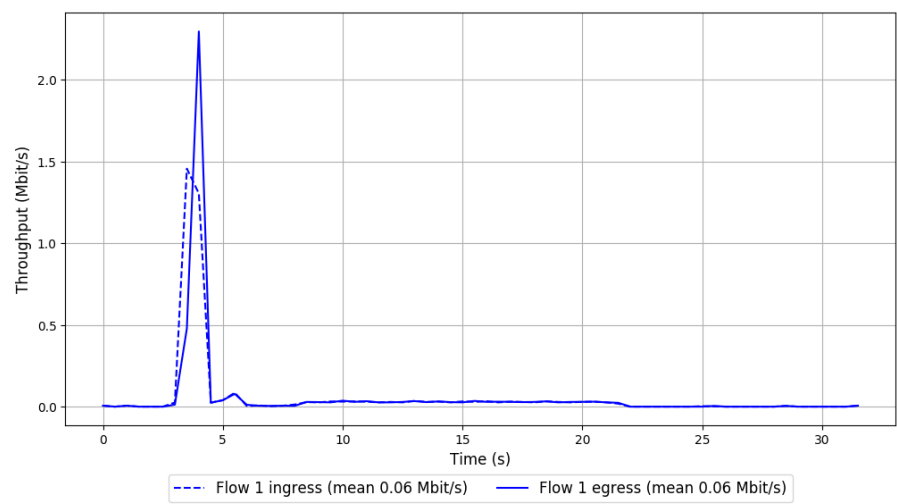
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 111.847 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-04-03 03:25:53

End at: 2018-04-03 03:26:23

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 111.927 ms

Loss rate: 0.00%

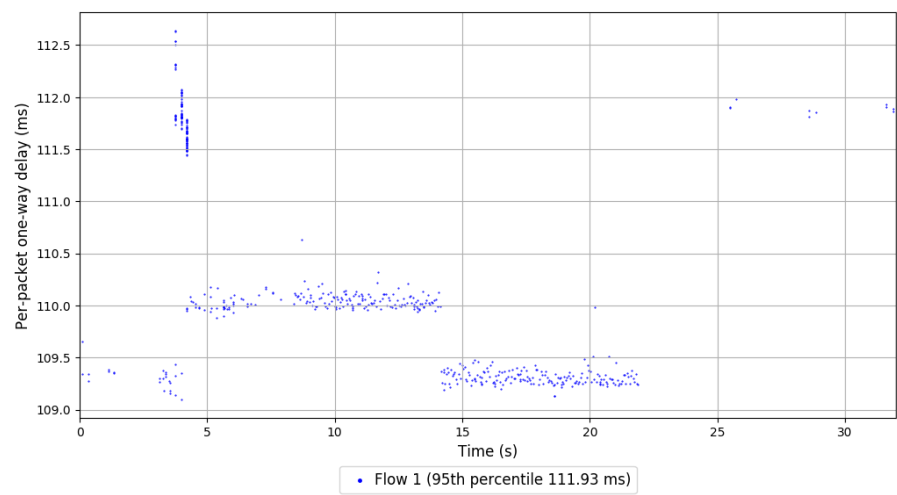
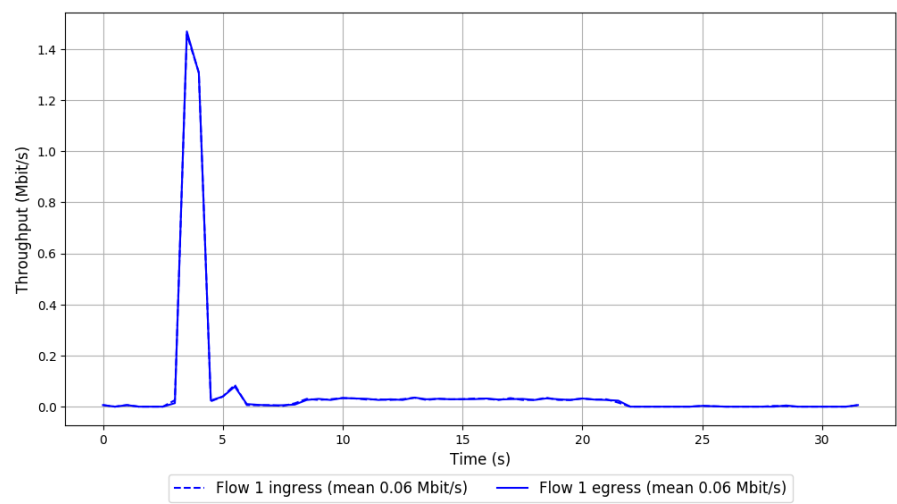
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 111.927 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-04-03 03:41:33

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

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 113.877 ms

Loss rate: 0.00%

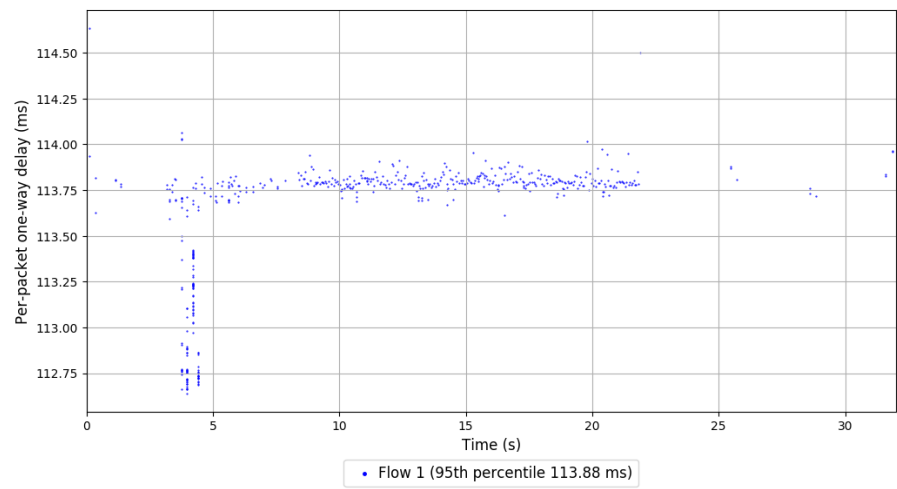
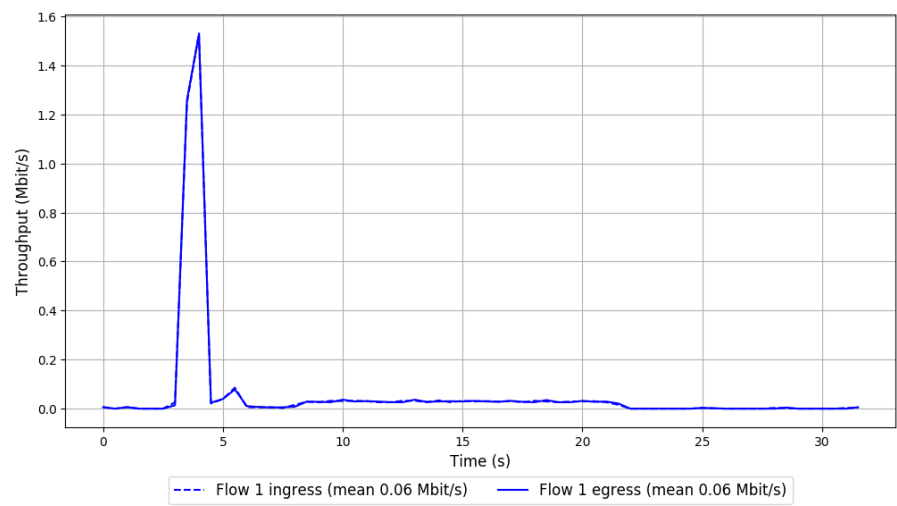
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 113.877 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-04-03 03:57:01

End at: 2018-04-03 03:57:31

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 112.533 ms

Loss rate: 0.00%

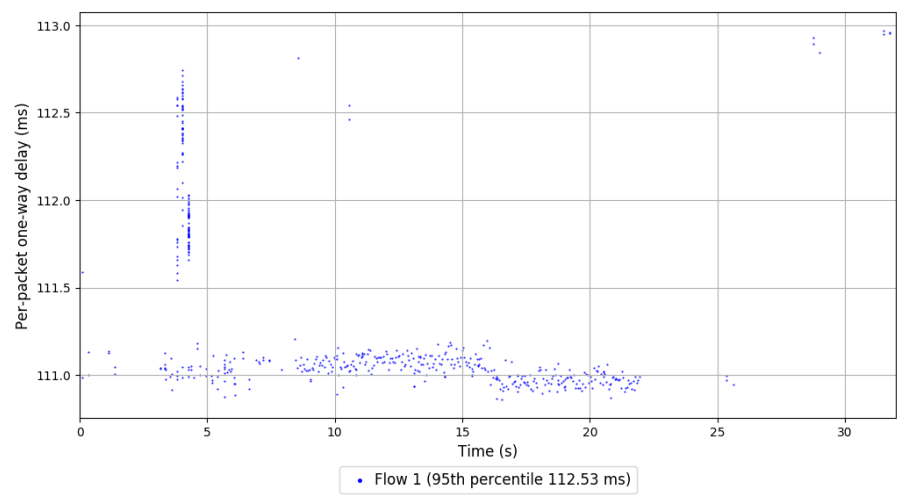
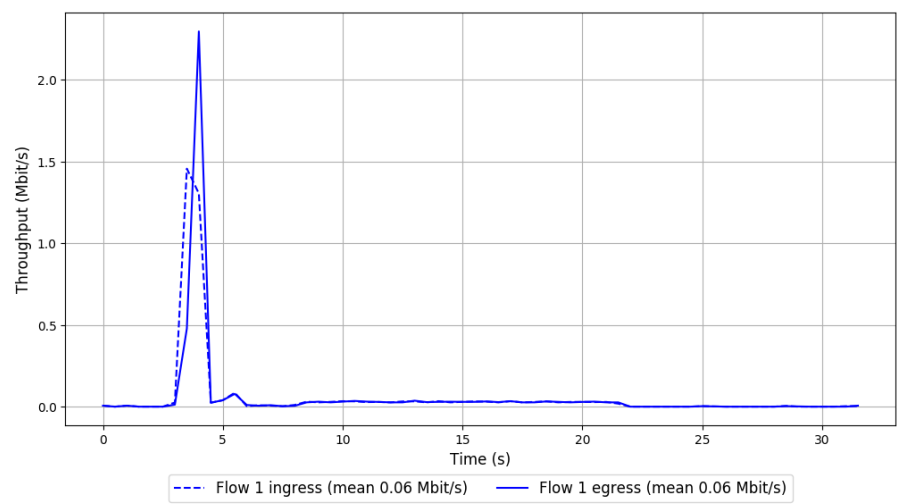
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 112.533 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-04-03 04:12:38

End at: 2018-04-03 04:13:08

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 112.009 ms

Loss rate: 0.00%

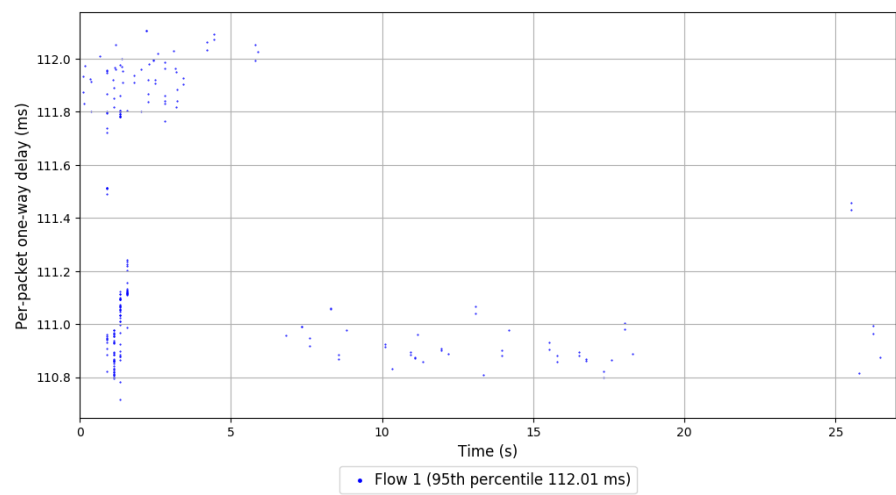
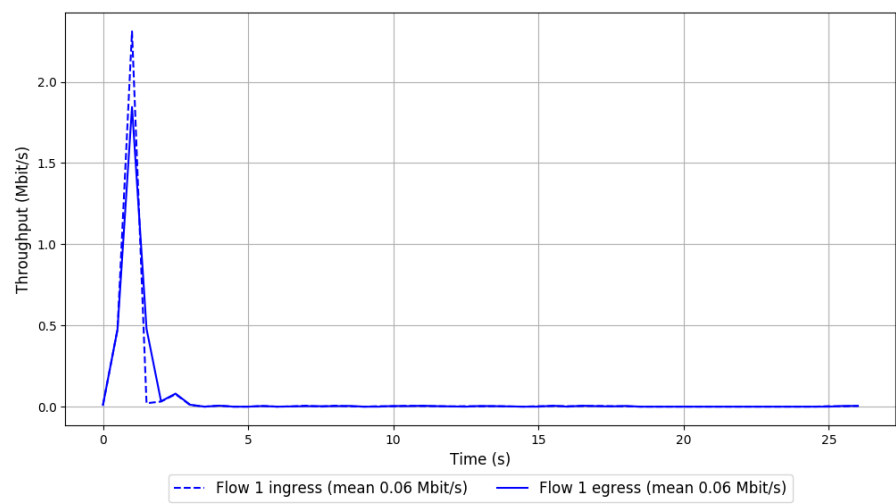
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 112.009 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-04-03 04:28:27

End at: 2018-04-03 04:28:57

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 112.897 ms

Loss rate: 0.00%

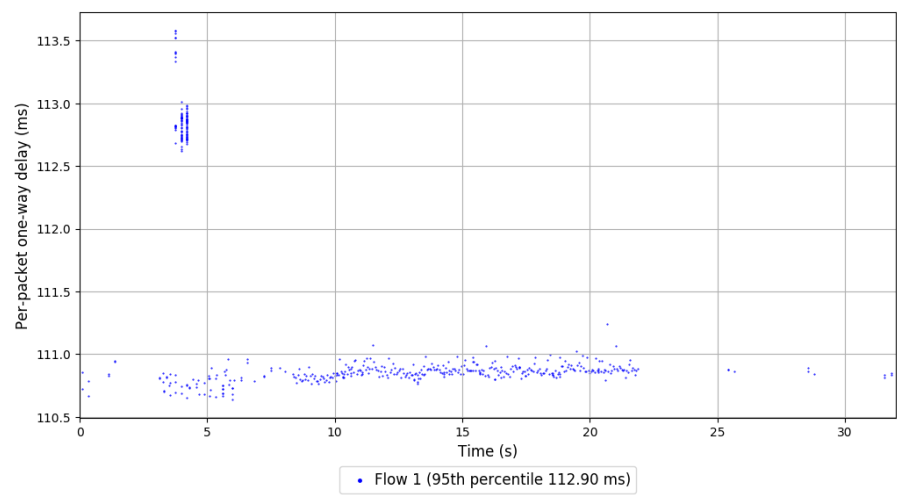
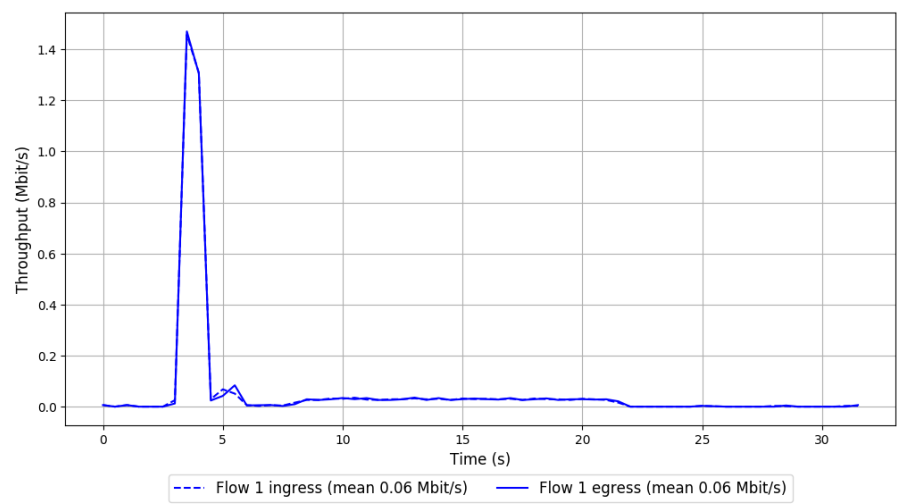
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 112.897 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-04-03 04:43:28

End at: 2018-04-03 04:43:58

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 112.888 ms

Loss rate: 0.00%

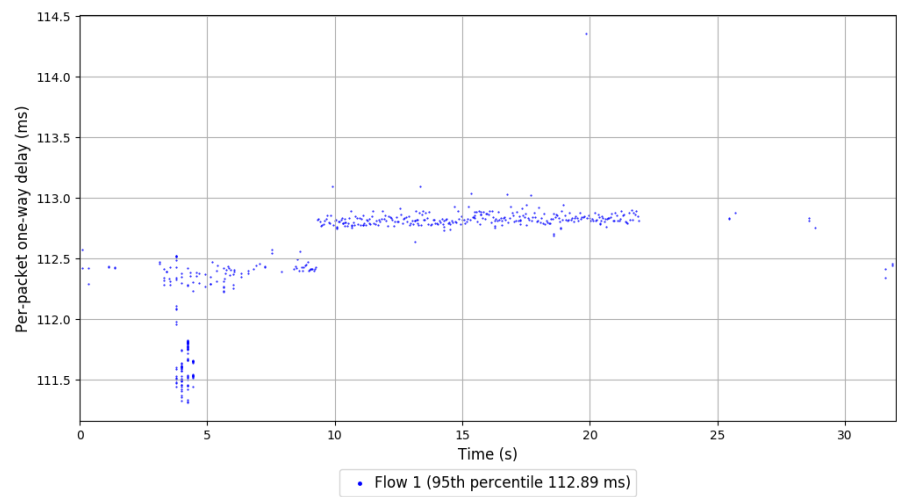
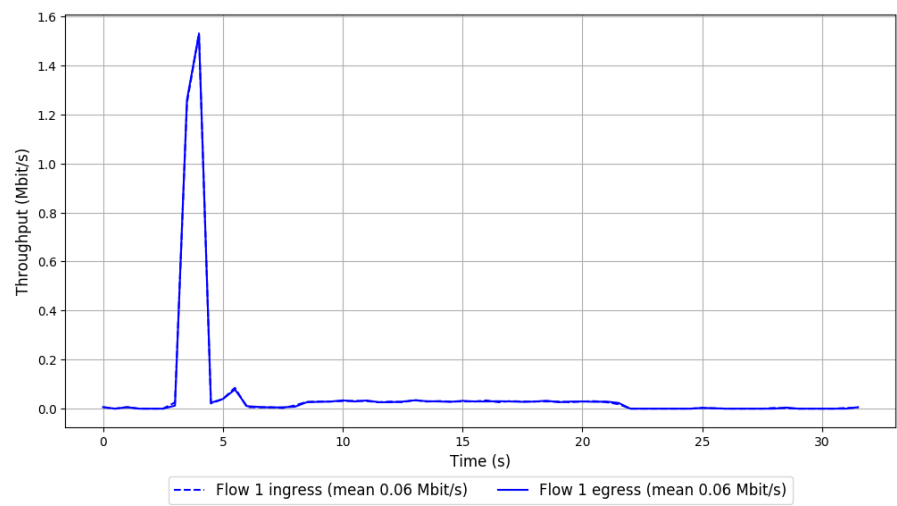
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 112.888 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-04-03 02:24:38

End at: 2018-04-03 02:25:08

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 114.754 ms

Loss rate: 0.00%

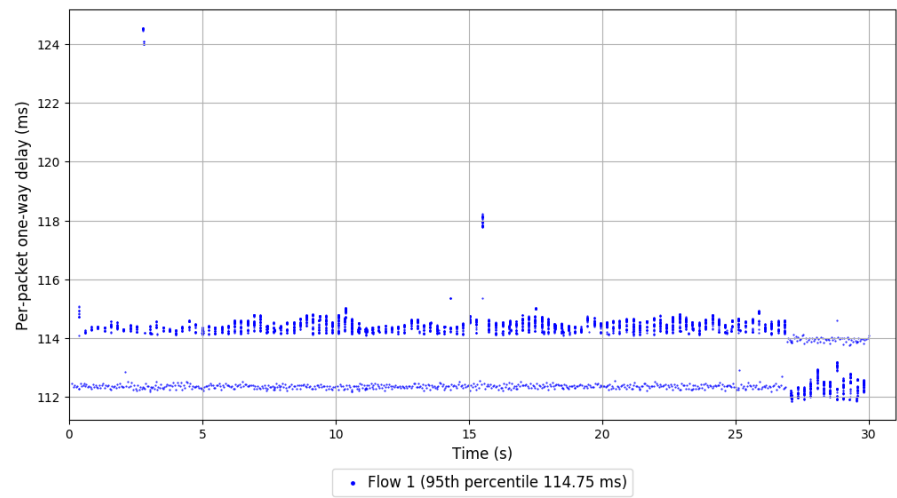
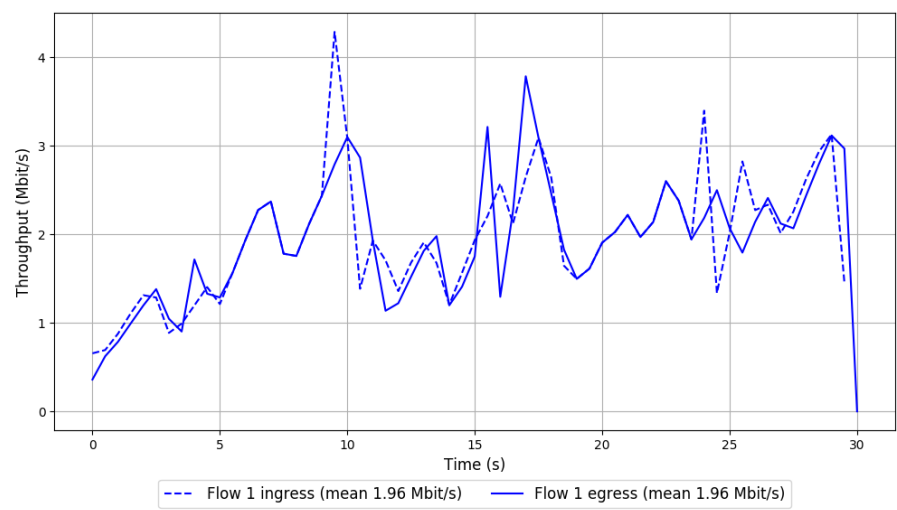
-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 114.754 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-04-03 02:40:08

End at: 2018-04-03 02:40:38

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.49 Mbit/s

95th percentile per-packet one-way delay: 112.859 ms

Loss rate: 0.00%

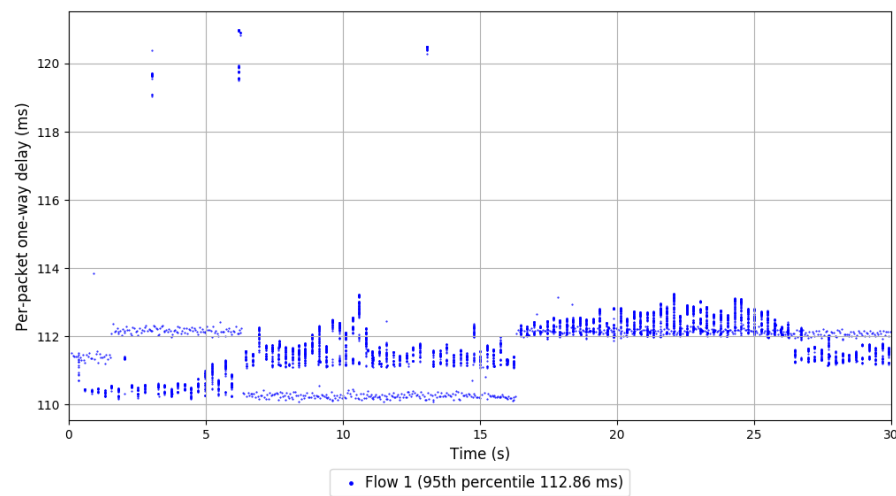
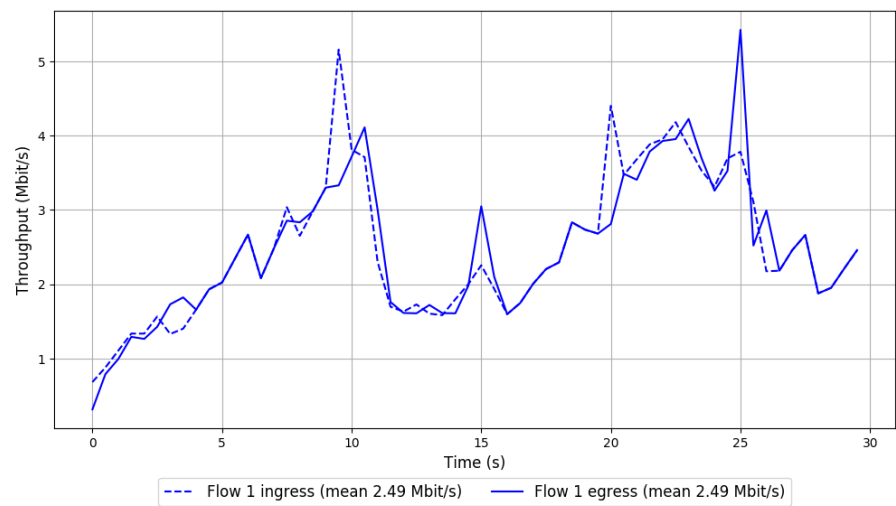
-- Flow 1:

Average throughput: 2.49 Mbit/s

95th percentile per-packet one-way delay: 112.859 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-04-03 02:55:26

End at: 2018-04-03 02:55:56

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.56 Mbit/s

95th percentile per-packet one-way delay: 113.252 ms

Loss rate: 0.00%

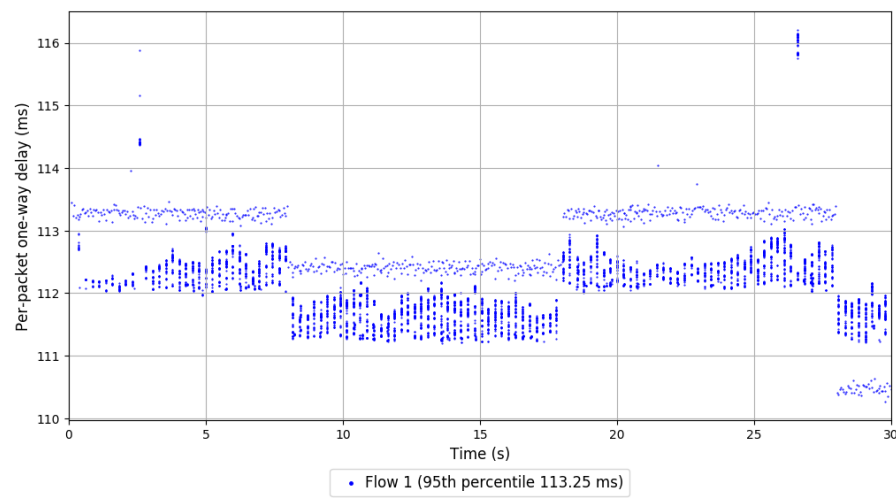
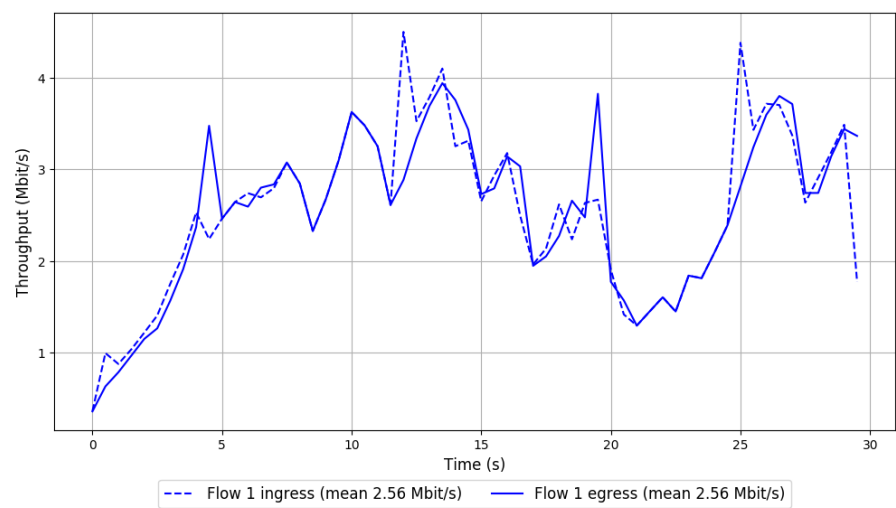
-- Flow 1:

Average throughput: 2.56 Mbit/s

95th percentile per-packet one-way delay: 113.252 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

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

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

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.17 Mbit/s

95th percentile per-packet one-way delay: 112.721 ms

Loss rate: 0.00%

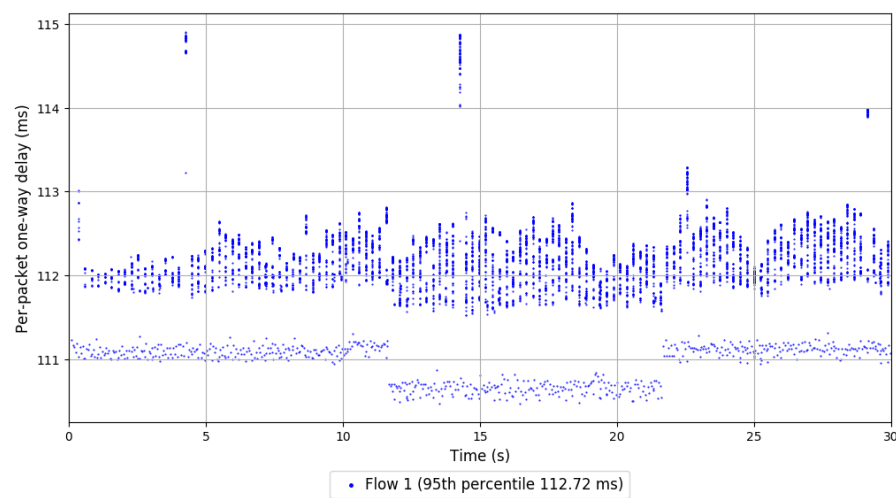
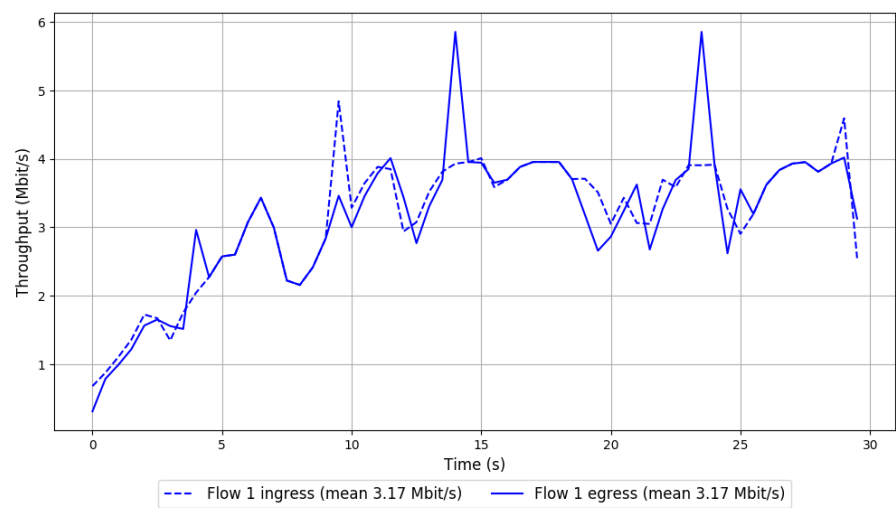
-- Flow 1:

Average throughput: 3.17 Mbit/s

95th percentile per-packet one-way delay: 112.721 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-04-03 03:26:33

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

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.24 Mbit/s

95th percentile per-packet one-way delay: 112.647 ms

Loss rate: 0.00%

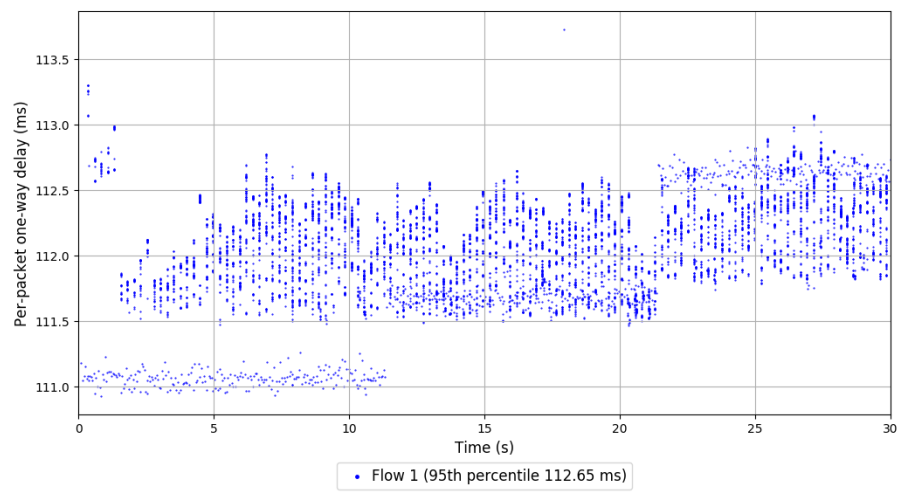
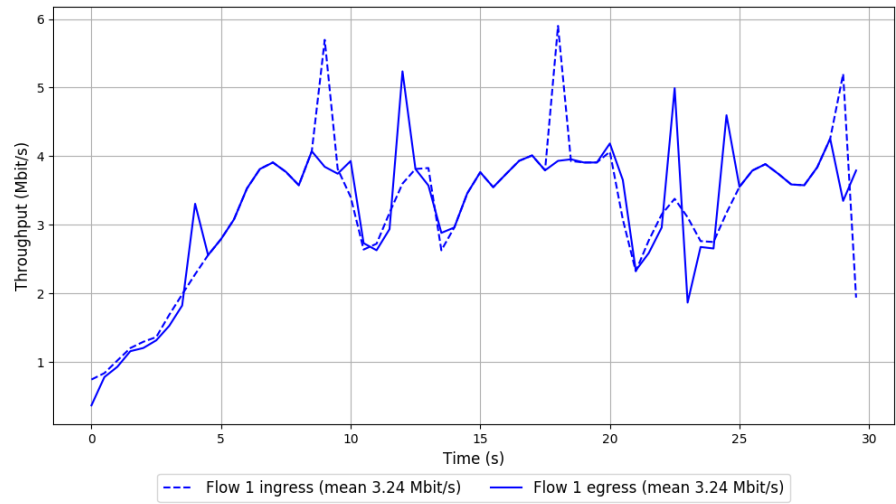
-- Flow 1:

Average throughput: 3.24 Mbit/s

95th percentile per-packet one-way delay: 112.647 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

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

End at: 2018-04-03 03:42:44

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.55 Mbit/s

95th percentile per-packet one-way delay: 113.504 ms

Loss rate: 0.00%

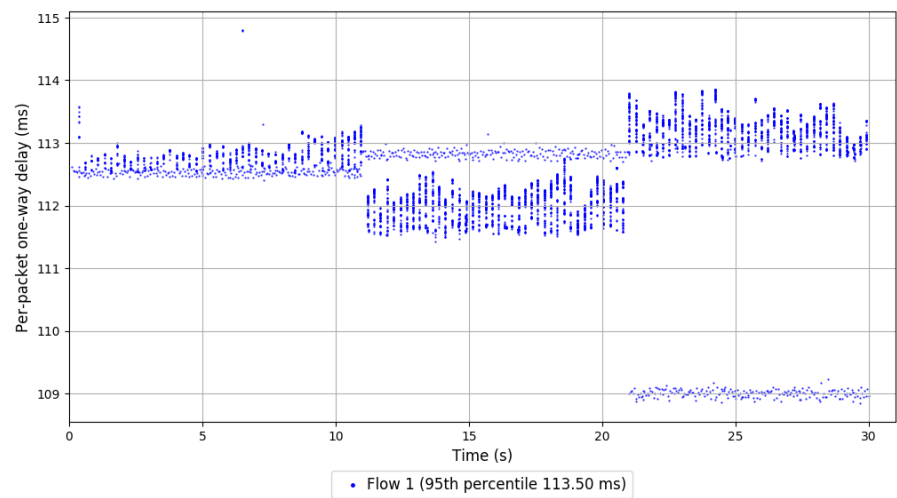
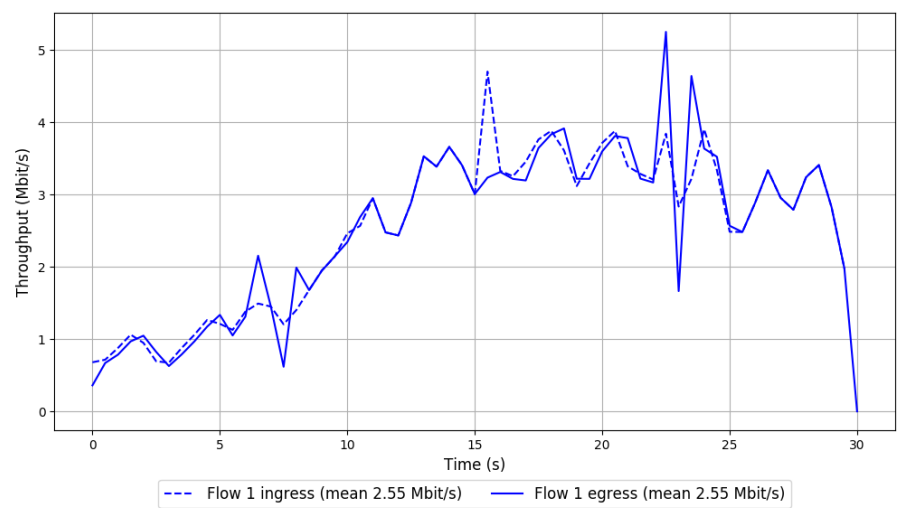
-- Flow 1:

Average throughput: 2.55 Mbit/s

95th percentile per-packet one-way delay: 113.504 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-04-03 03:57:41

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

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 113.682 ms

Loss rate: 0.00%

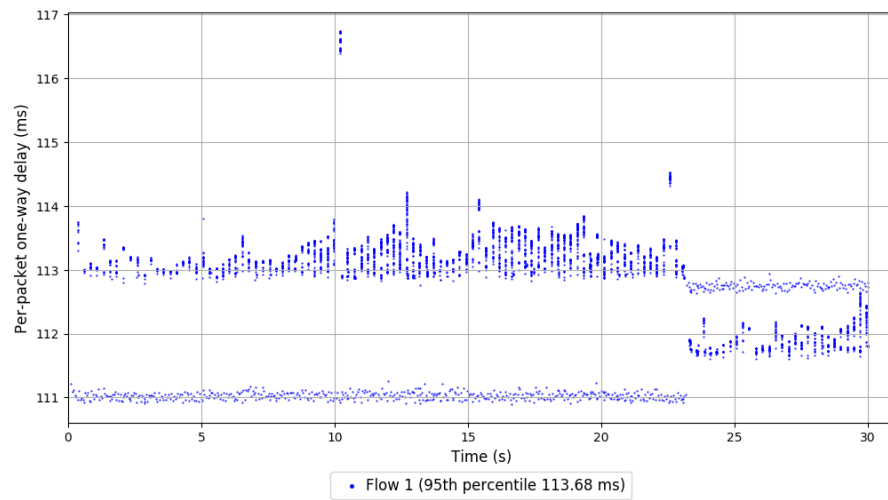
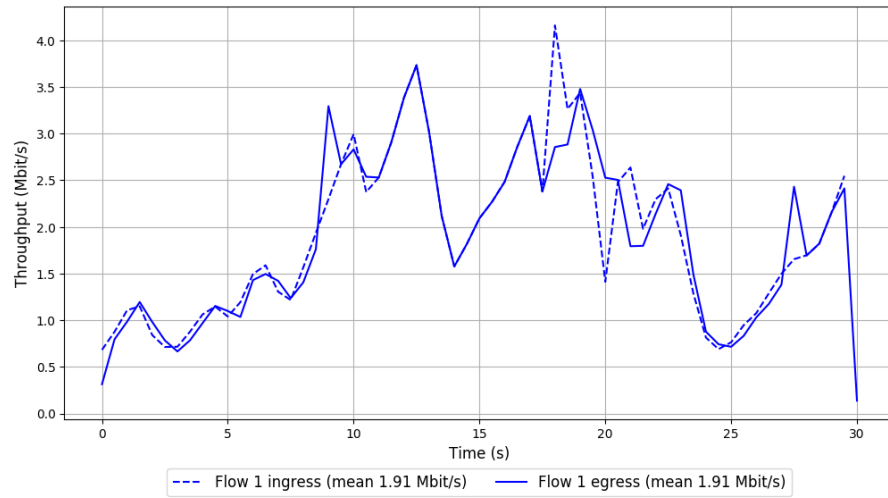
-- Flow 1:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 113.682 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-04-03 04:13:18

End at: 2018-04-03 04:13:48

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.19 Mbit/s

95th percentile per-packet one-way delay: 113.538 ms

Loss rate: 0.00%

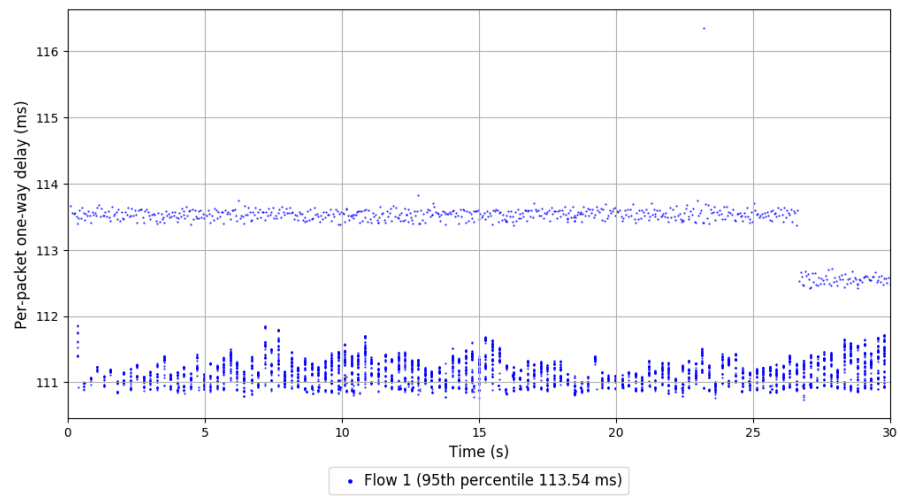
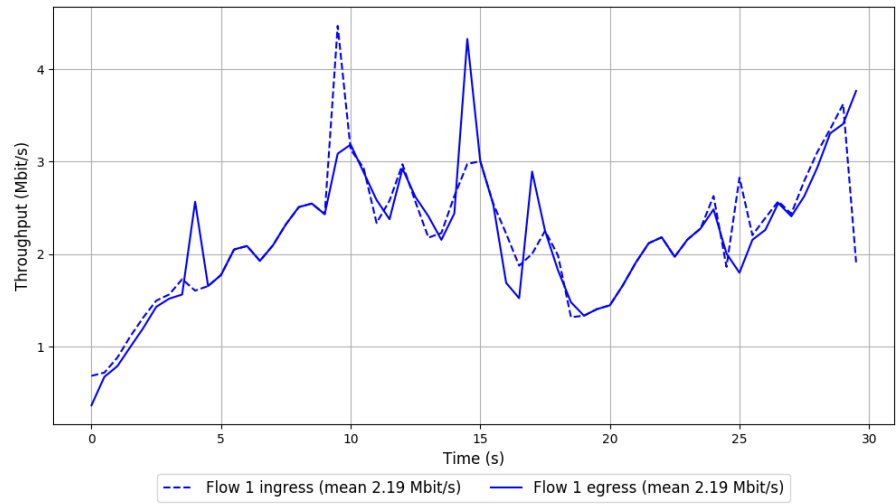
-- Flow 1:

Average throughput: 2.19 Mbit/s

95th percentile per-packet one-way delay: 113.538 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-04-03 04:29:07

End at: 2018-04-03 04:29:37

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 111.971 ms

Loss rate: 0.00%

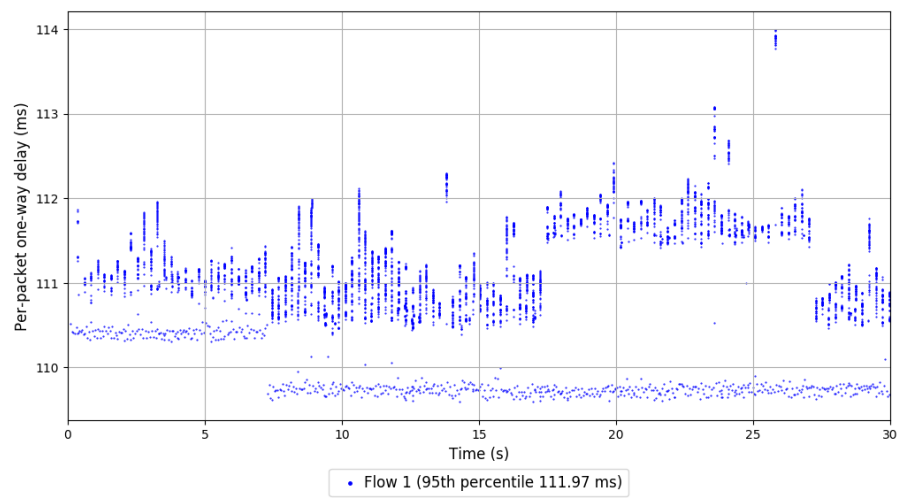
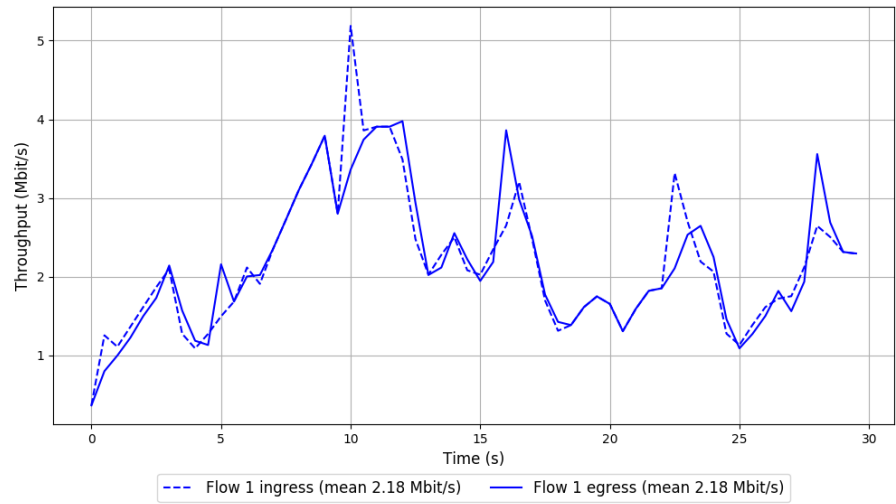
-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 111.971 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-04-03 04:44:08

End at: 2018-04-03 04:44:38

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.02 Mbit/s

95th percentile per-packet one-way delay: 112.493 ms

Loss rate: 0.00%

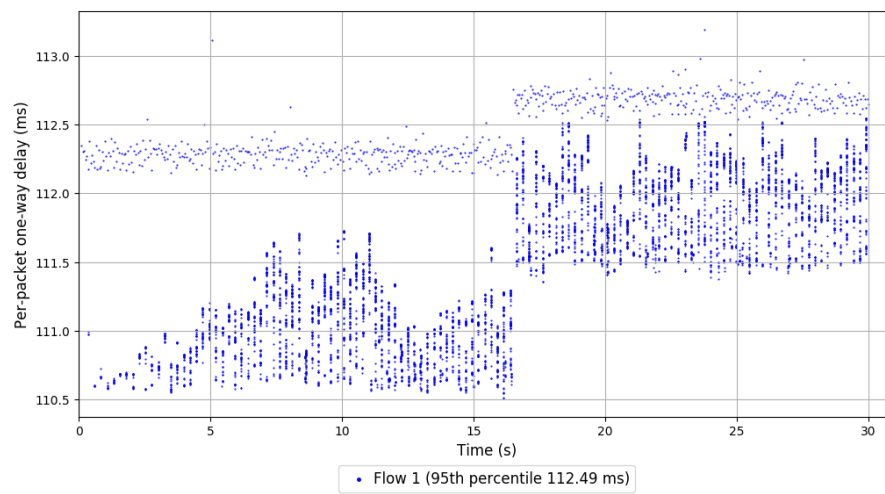
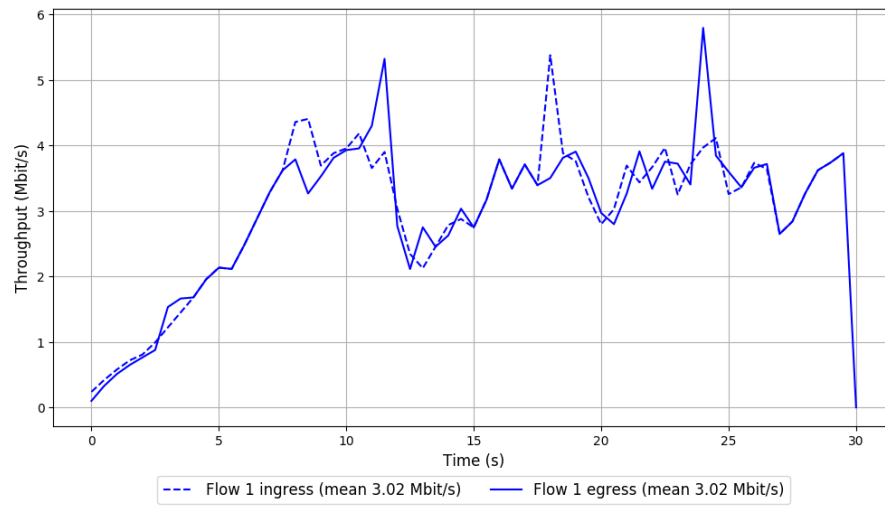
-- Flow 1:

Average throughput: 3.02 Mbit/s

95th percentile per-packet one-way delay: 112.493 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

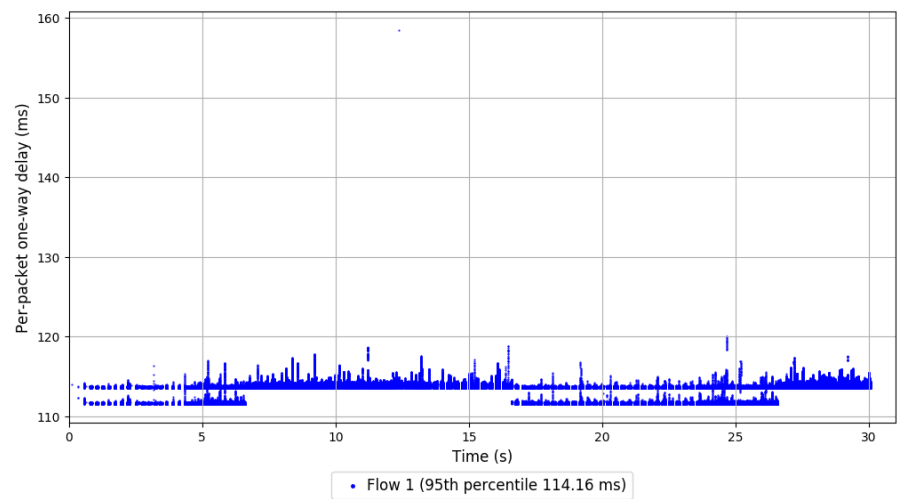
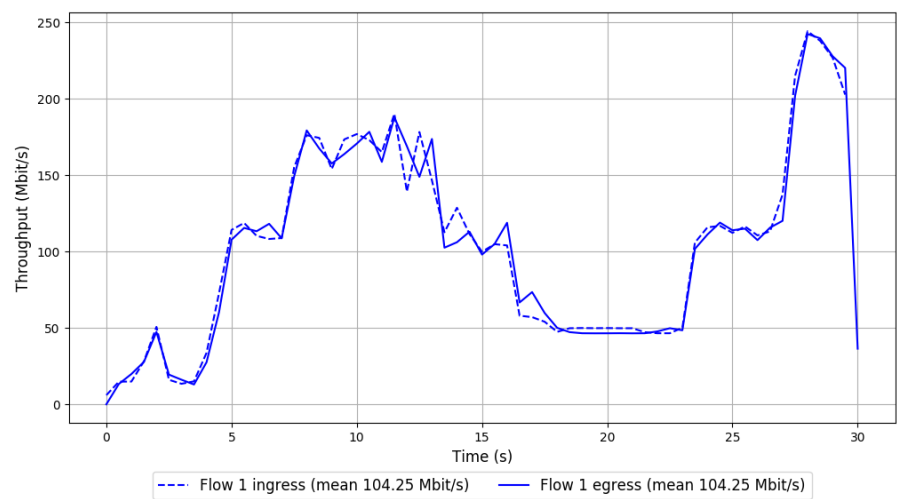


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-04-03 02:12:38
End at: 2018-04-03 02:13:08

# Below is generated by plot.py at 2018-04-03 06:27:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 104.25 Mbit/s
95th percentile per-packet one-way delay: 114.158 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 104.25 Mbit/s
95th percentile per-packet one-way delay: 114.158 ms
Loss rate: 0.00%
```

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

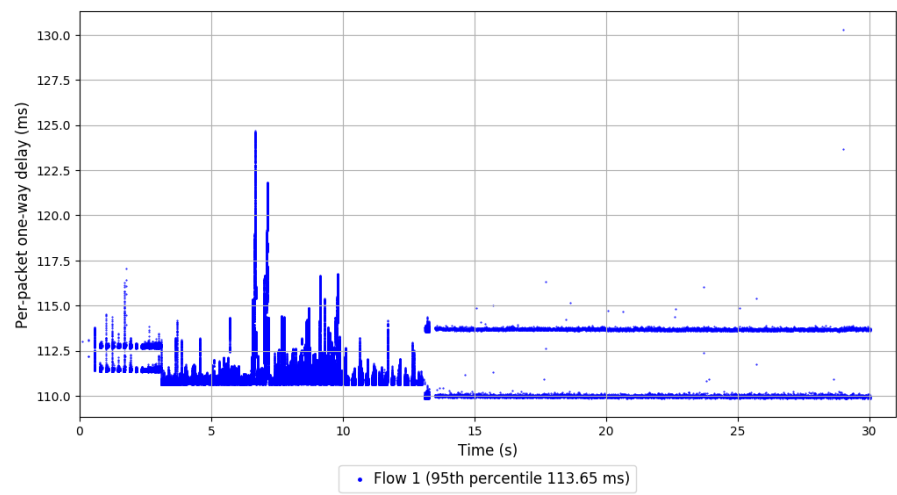
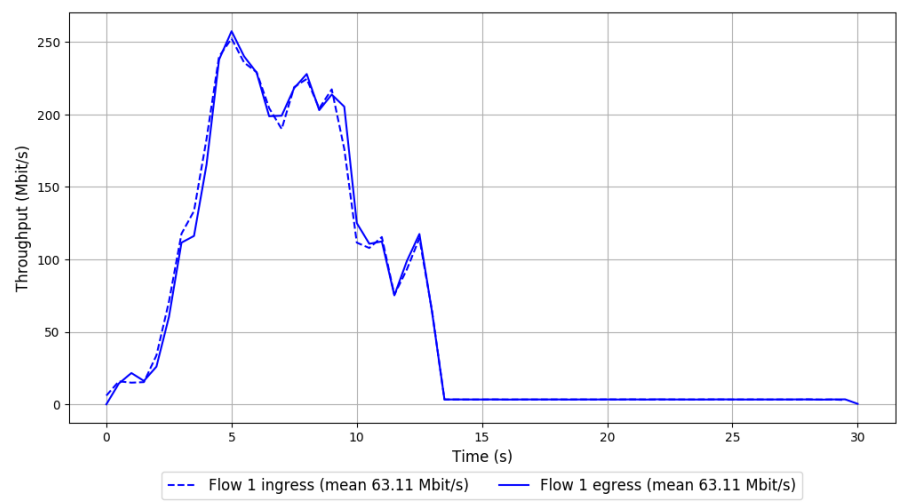


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-04-03 02:28:01
End at: 2018-04-03 02:28:31

# Below is generated by plot.py at 2018-04-03 06:27:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.11 Mbit/s
95th percentile per-packet one-way delay: 113.647 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.11 Mbit/s
95th percentile per-packet one-way delay: 113.647 ms
Loss rate: 0.00%
```

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

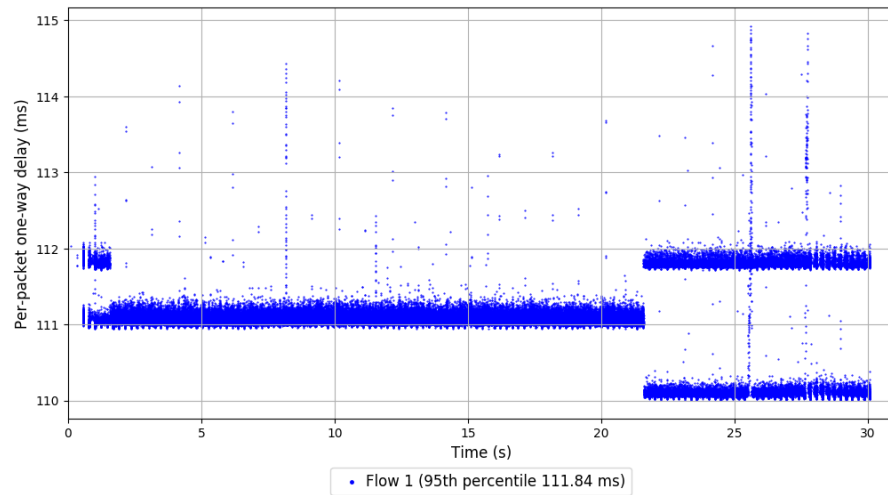
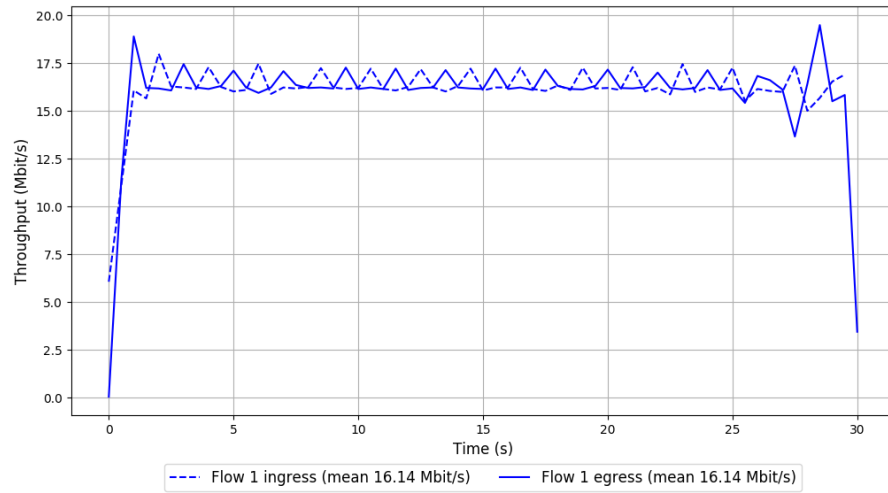


```
Run 3: Statistics of TaoVA-100x

Start at: 2018-04-03 02:43:33
End at: 2018-04-03 02:44:03

# Below is generated by plot.py at 2018-04-03 06:27:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.14 Mbit/s
95th percentile per-packet one-way delay: 111.845 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 16.14 Mbit/s
95th percentile per-packet one-way delay: 111.845 ms
Loss rate: 0.00%
```

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

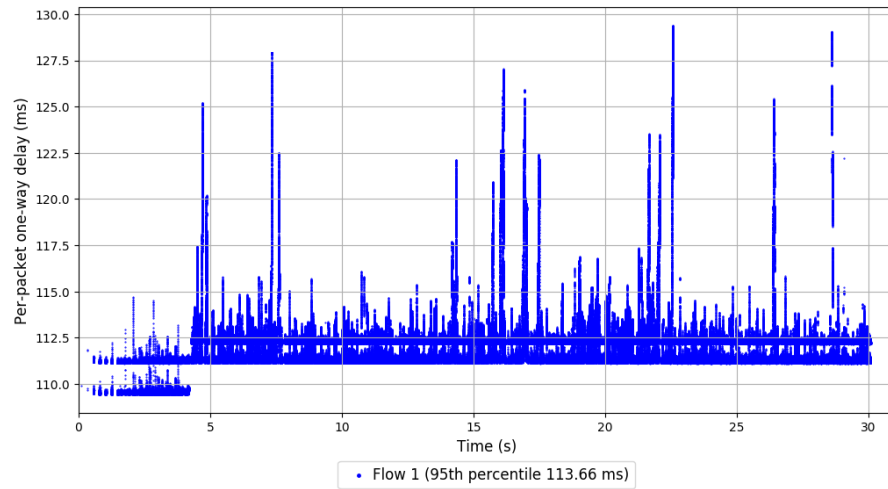
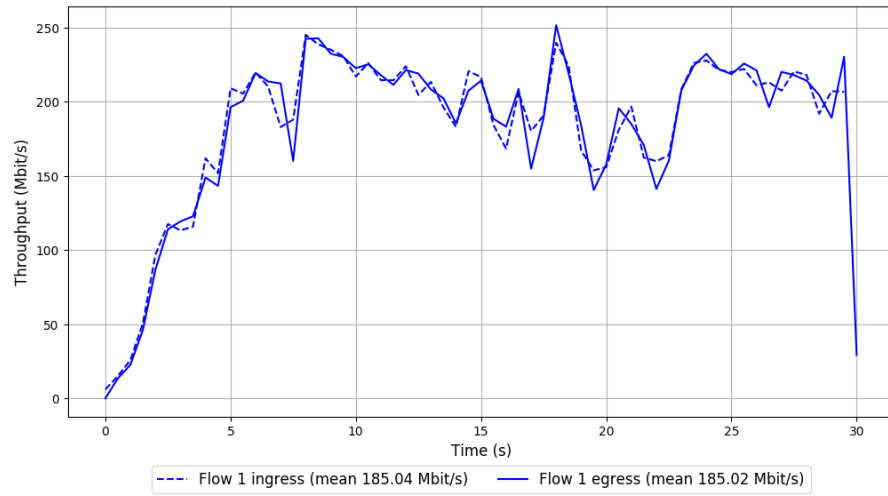


```
Run 4: Statistics of TaoVA-100x

Start at: 2018-04-03 02:58:50
End at: 2018-04-03 02:59:20

# Below is generated by plot.py at 2018-04-03 06:27:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 185.02 Mbit/s
95th percentile per-packet one-way delay: 113.655 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 185.02 Mbit/s
95th percentile per-packet one-way delay: 113.655 ms
Loss rate: 0.00%
```

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-04-03 03:14:36

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

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.46 Mbit/s

95th percentile per-packet one-way delay: 112.433 ms

Loss rate: 0.00%

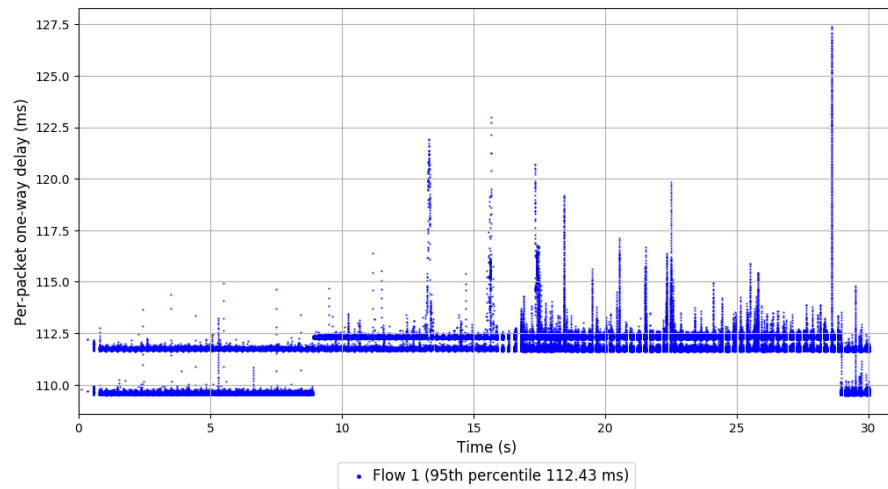
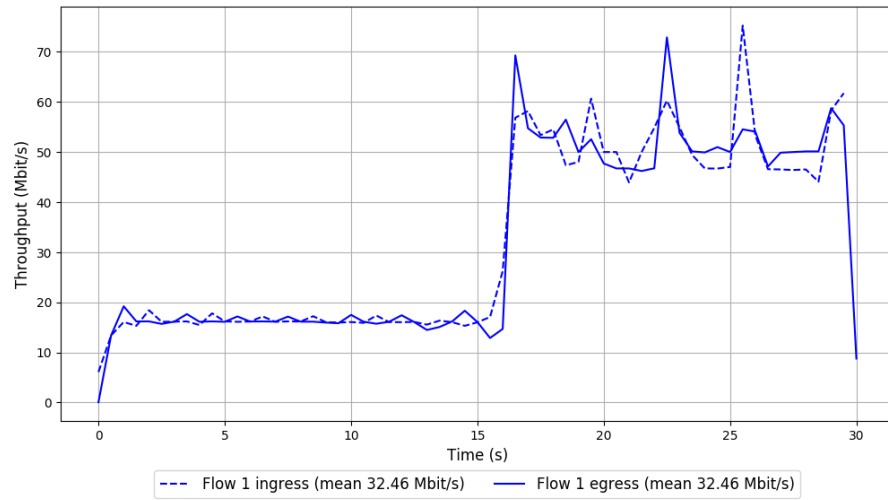
-- Flow 1:

Average throughput: 32.46 Mbit/s

95th percentile per-packet one-way delay: 112.433 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-04-03 03:29:57

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

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.47 Mbit/s

95th percentile per-packet one-way delay: 112.489 ms

Loss rate: 0.00%

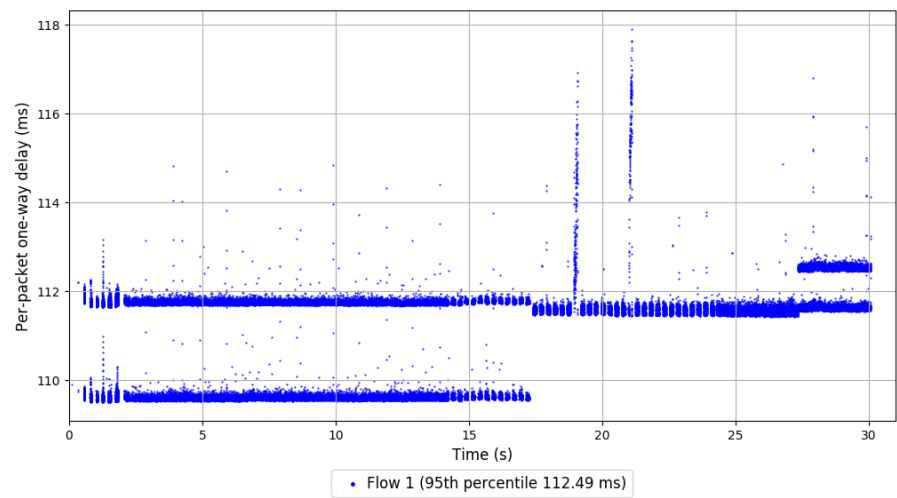
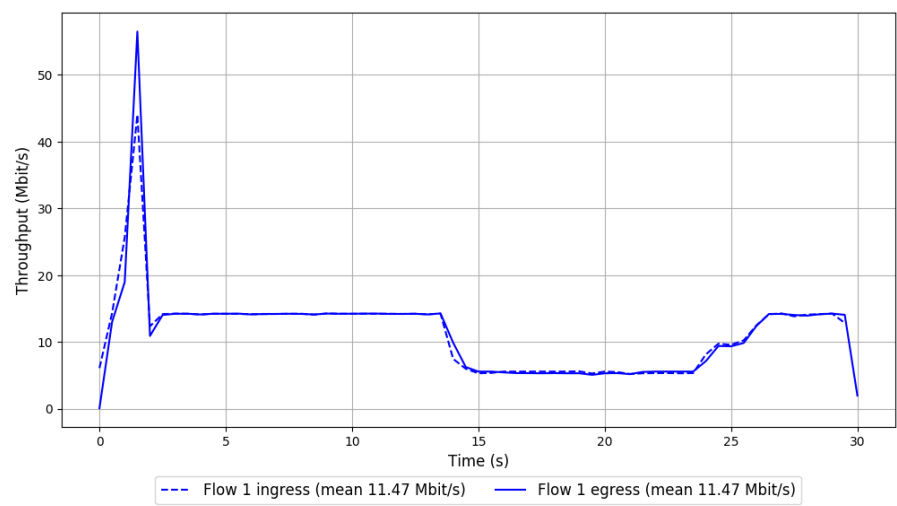
-- Flow 1:

Average throughput: 11.47 Mbit/s

95th percentile per-packet one-way delay: 112.489 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-04-03 03:45:29

End at: 2018-04-03 03:45:59

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 140.43 Mbit/s

95th percentile per-packet one-way delay: 116.662 ms

Loss rate: 0.00%

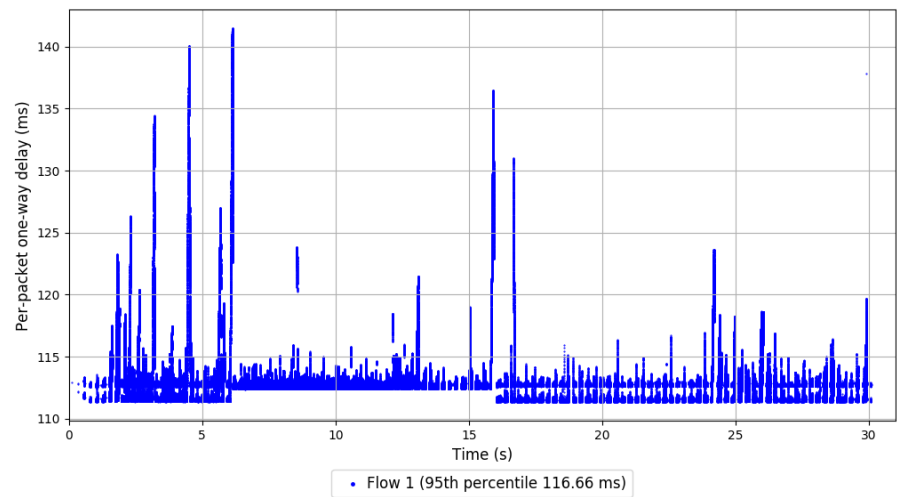
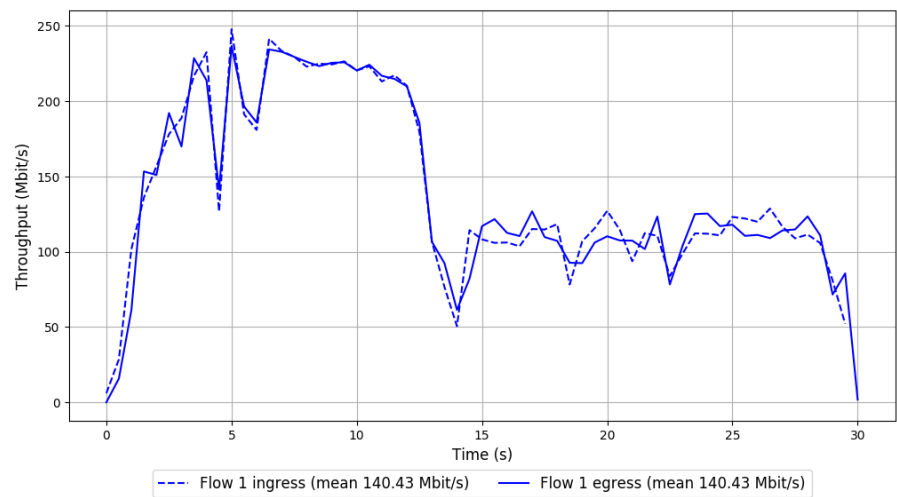
-- Flow 1:

Average throughput: 140.43 Mbit/s

95th percentile per-packet one-way delay: 116.662 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-04-03 04:01:07

End at: 2018-04-03 04:01:37

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.98 Mbit/s

95th percentile per-packet one-way delay: 113.885 ms

Loss rate: 0.00%

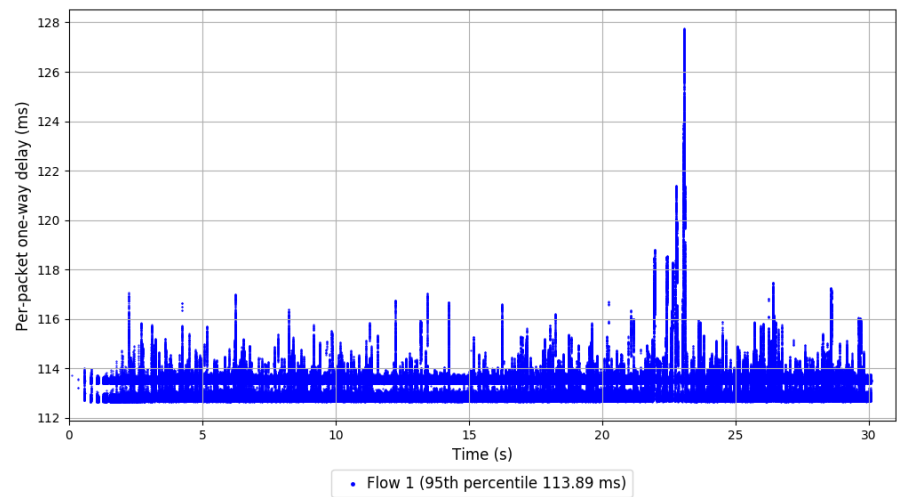
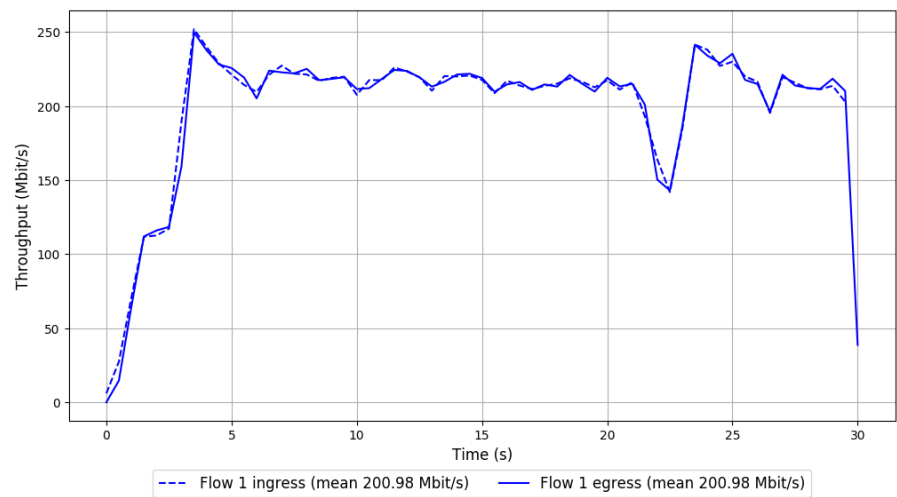
-- Flow 1:

Average throughput: 200.98 Mbit/s

95th percentile per-packet one-way delay: 113.885 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

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

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

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.03 Mbit/s

95th percentile per-packet one-way delay: 112.664 ms

Loss rate: 0.00%

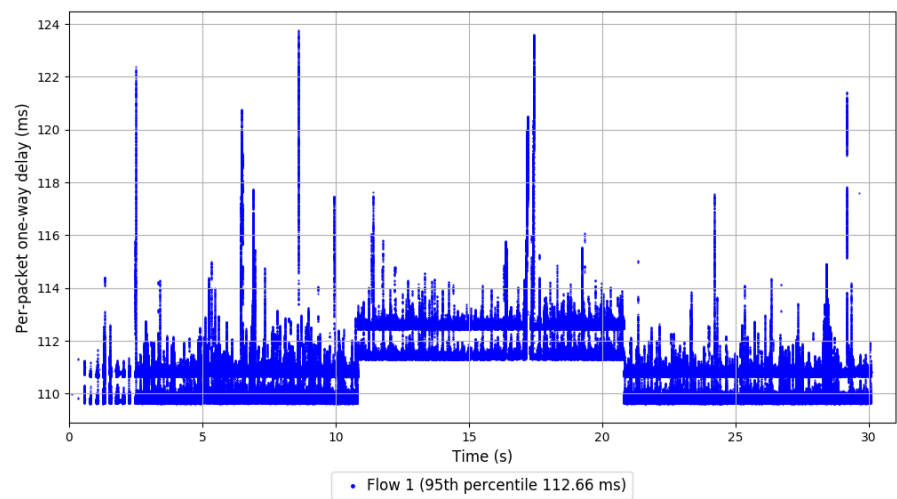
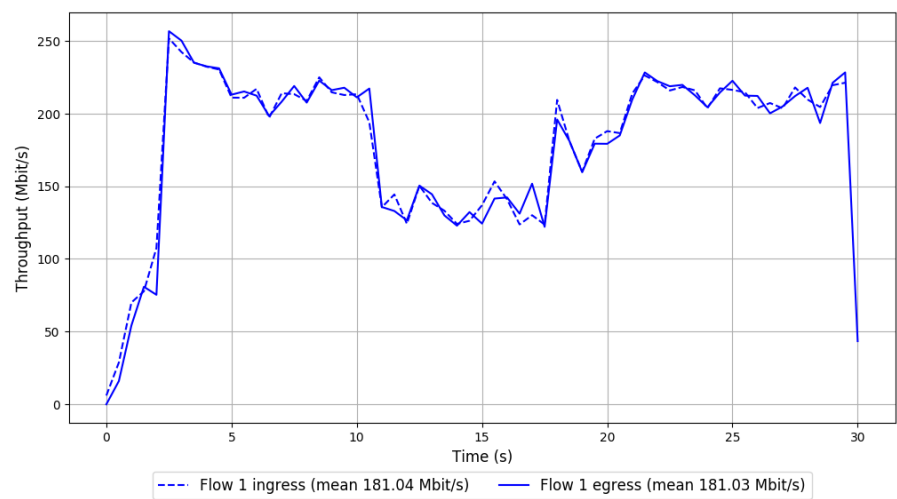
-- Flow 1:

Average throughput: 181.03 Mbit/s

95th percentile per-packet one-way delay: 112.664 ms

Loss rate: 0.00%

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

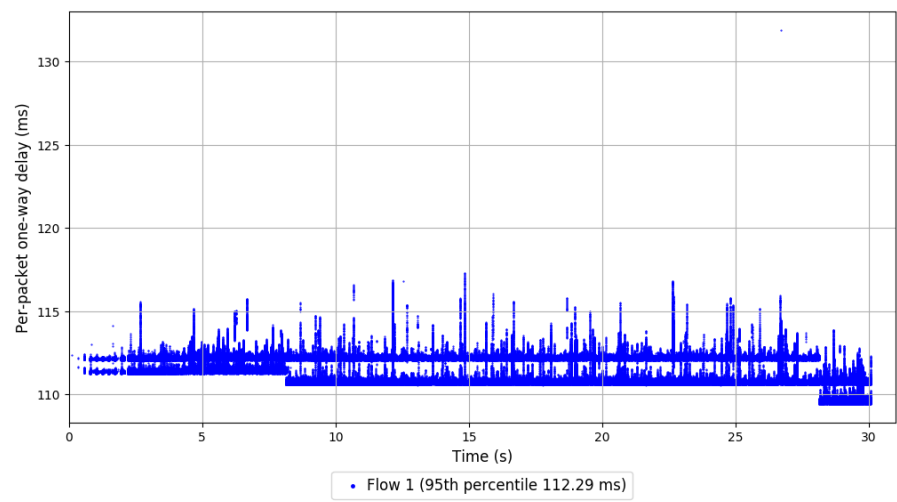
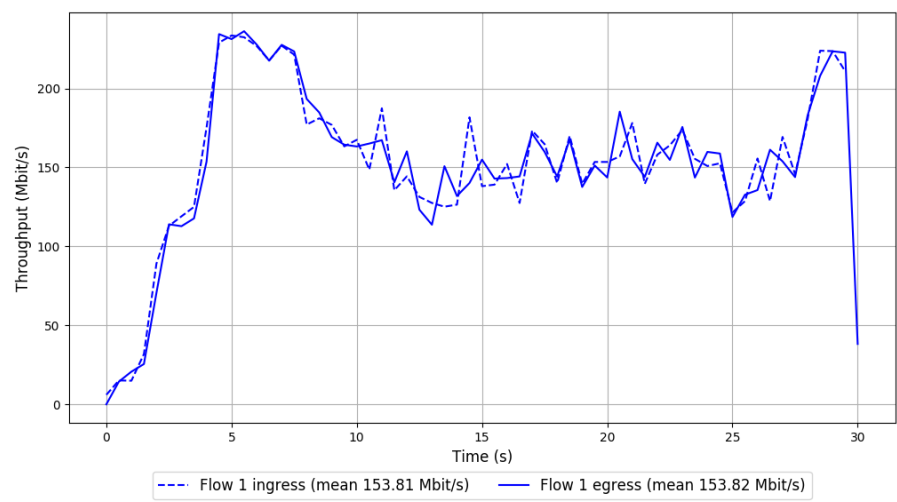


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-04-03 04:32:26
End at: 2018-04-03 04:32:56

# Below is generated by plot.py at 2018-04-03 06:27:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 153.82 Mbit/s
95th percentile per-packet one-way delay: 112.293 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 153.82 Mbit/s
95th percentile per-packet one-way delay: 112.293 ms
Loss rate: 0.00%
```

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



Run 1: Statistics of TCP Vegas

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

End at: 2018-04-03 02:20:40

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.35 Mbit/s

95th percentile per-packet one-way delay: 121.140 ms

Loss rate: 0.00%

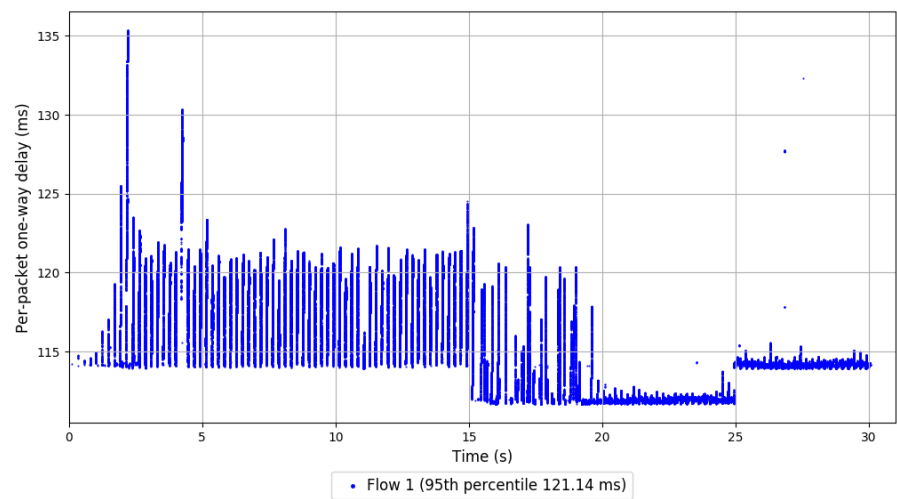
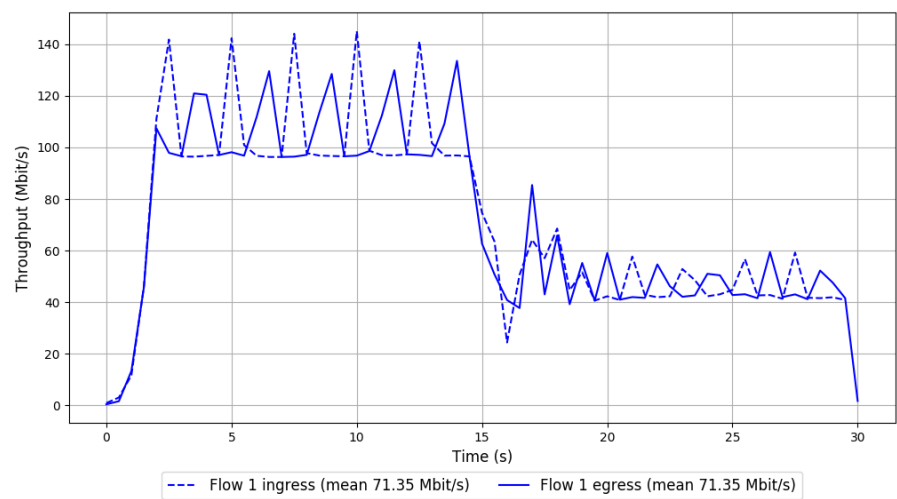
-- Flow 1:

Average throughput: 71.35 Mbit/s

95th percentile per-packet one-way delay: 121.140 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-04-03 02:35:33

End at: 2018-04-03 02:36:03

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.84 Mbit/s

95th percentile per-packet one-way delay: 114.726 ms

Loss rate: 0.00%

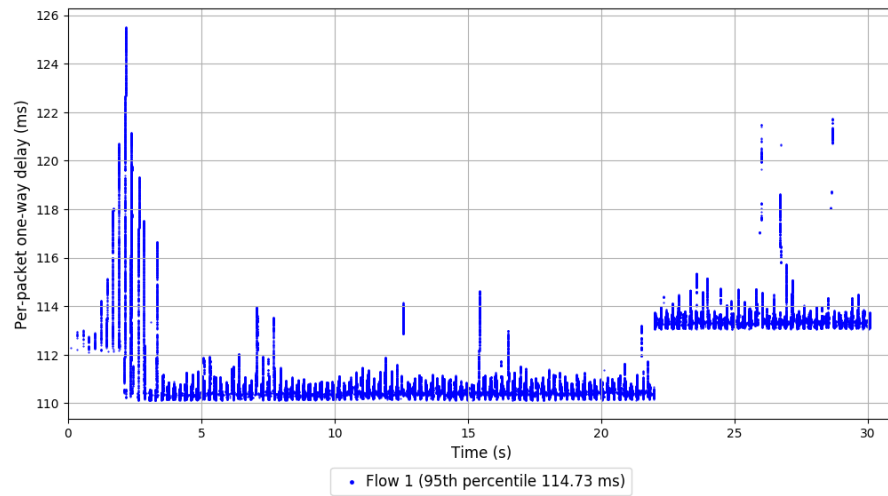
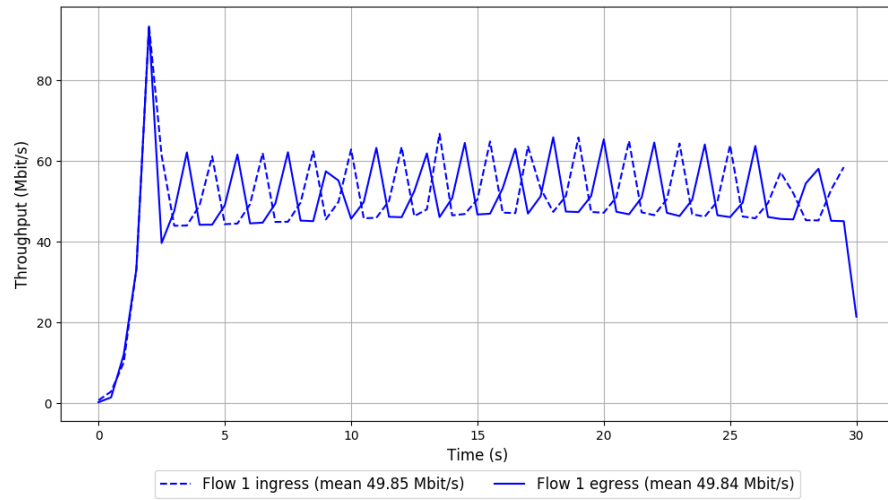
-- Flow 1:

Average throughput: 49.84 Mbit/s

95th percentile per-packet one-way delay: 114.726 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-04-03 02:50:56

End at: 2018-04-03 02:51:26

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.24 Mbit/s

95th percentile per-packet one-way delay: 112.275 ms

Loss rate: 0.00%

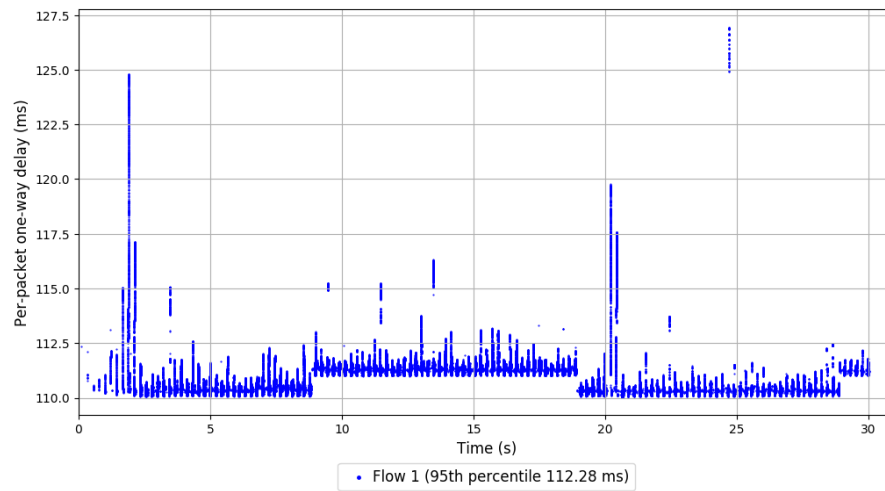
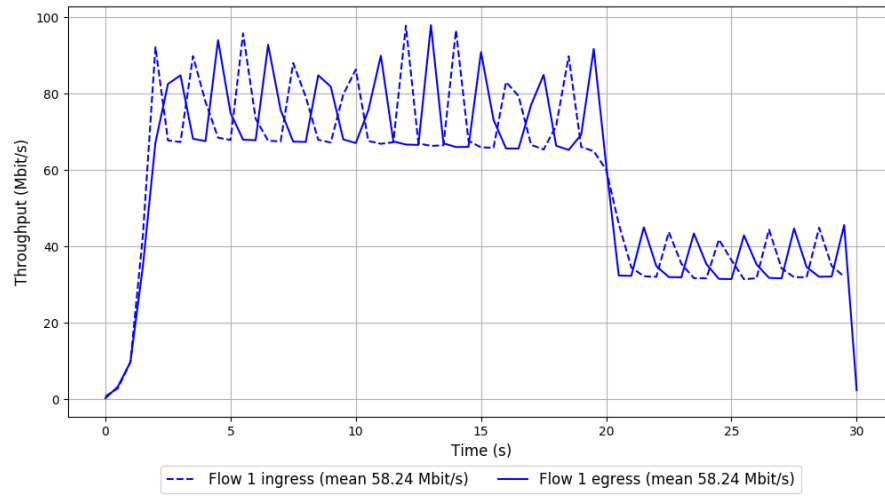
-- Flow 1:

Average throughput: 58.24 Mbit/s

95th percentile per-packet one-way delay: 112.275 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

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

End at: 2018-04-03 03:07:05

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.78 Mbit/s

95th percentile per-packet one-way delay: 119.288 ms

Loss rate: 0.00%

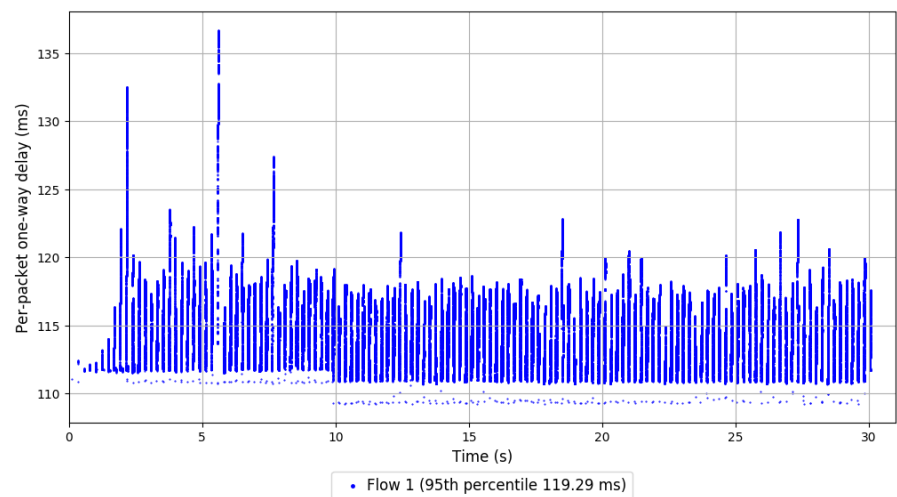
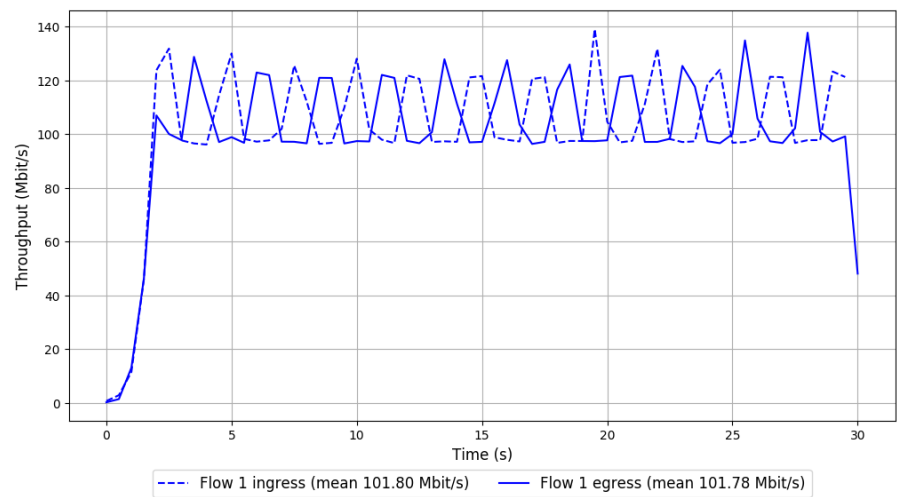
-- Flow 1:

Average throughput: 101.78 Mbit/s

95th percentile per-packet one-way delay: 119.288 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-04-03 03:21:56

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

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.30 Mbit/s

95th percentile per-packet one-way delay: 114.388 ms

Loss rate: 0.00%

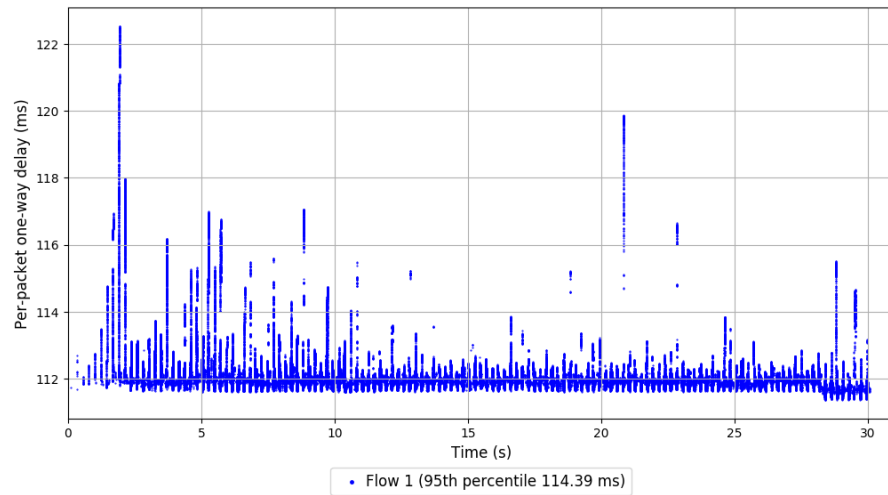
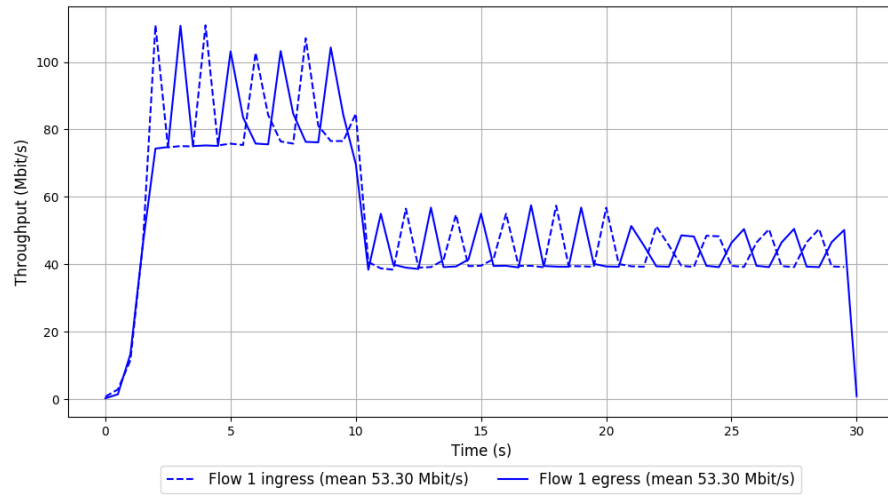
-- Flow 1:

Average throughput: 53.30 Mbit/s

95th percentile per-packet one-way delay: 114.388 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-04-03 03:37:33

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

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 98.54 Mbit/s

95th percentile per-packet one-way delay: 119.705 ms

Loss rate: 0.00%

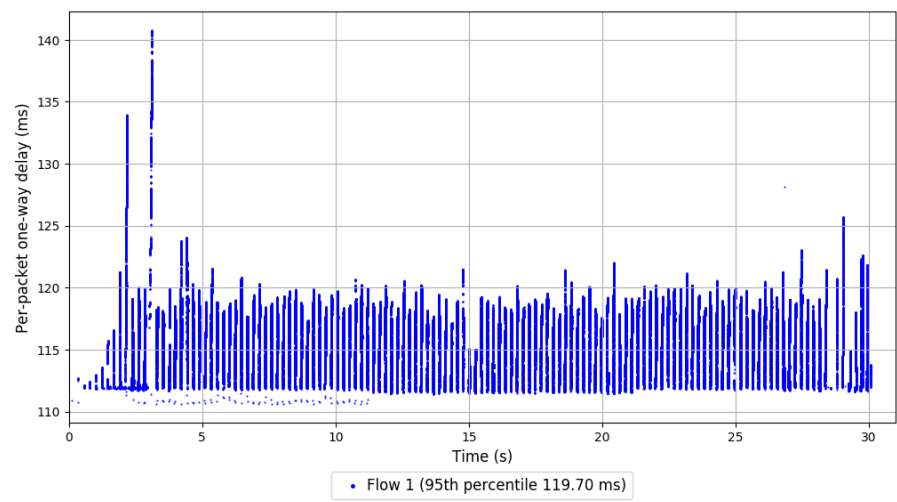
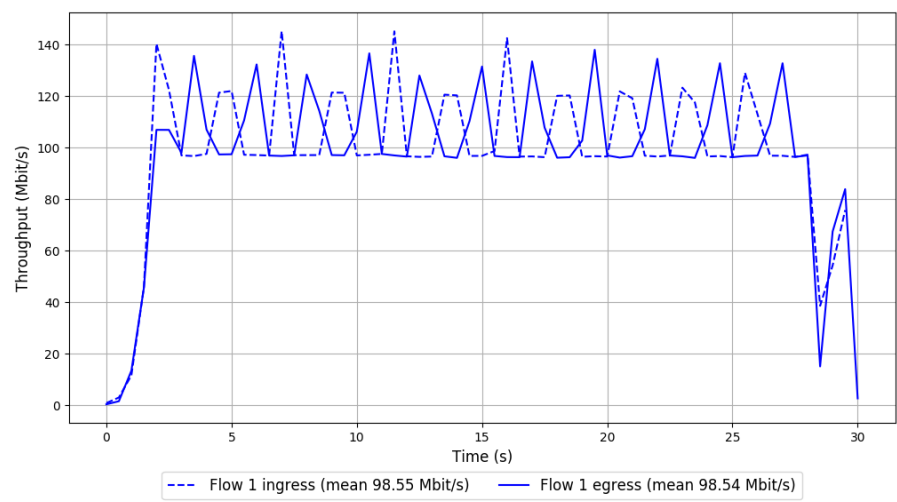
-- Flow 1:

Average throughput: 98.54 Mbit/s

95th percentile per-packet one-way delay: 119.705 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-04-03 03:53:08

End at: 2018-04-03 03:53:38

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.38 Mbit/s

95th percentile per-packet one-way delay: 115.139 ms

Loss rate: 0.00%

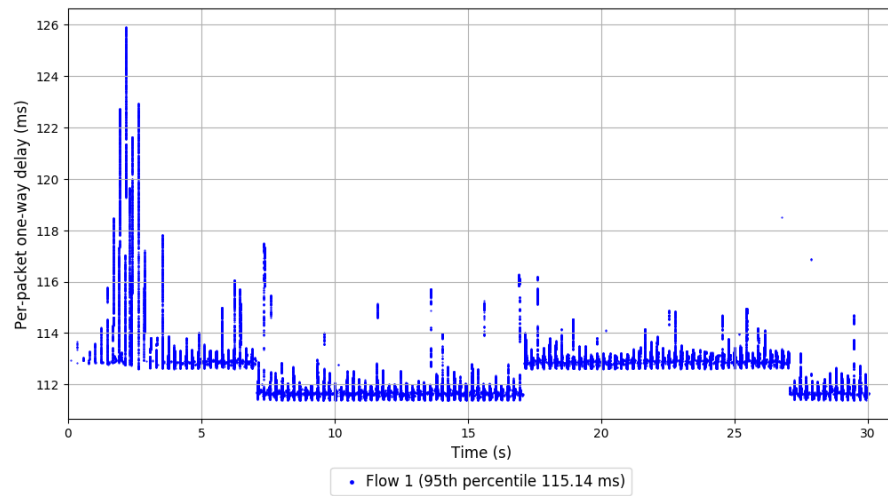
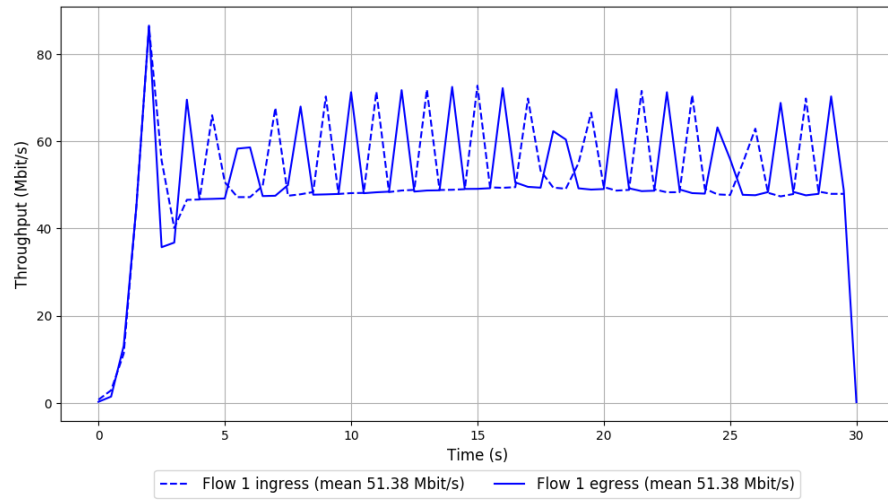
-- Flow 1:

Average throughput: 51.38 Mbit/s

95th percentile per-packet one-way delay: 115.139 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-04-03 04:08:48

End at: 2018-04-03 04:09:18

Below is generated by plot.py at 2018-04-03 06:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.01 Mbit/s

95th percentile per-packet one-way delay: 114.435 ms

Loss rate: 0.00%

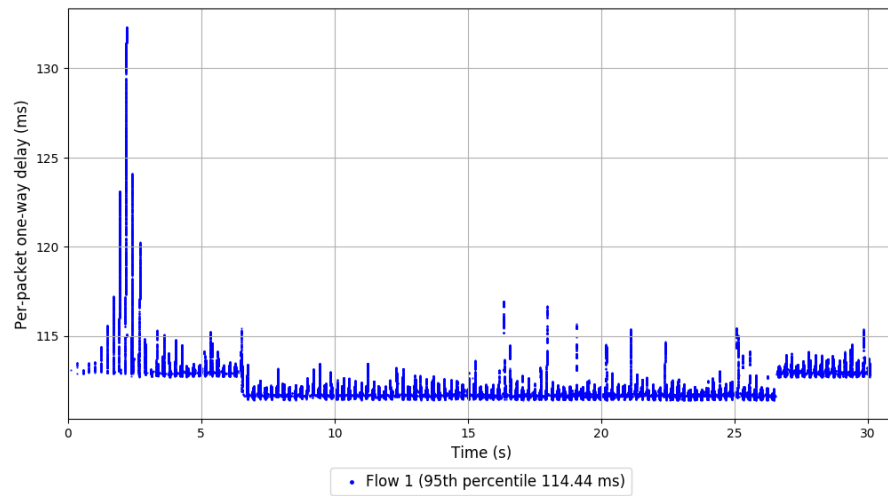
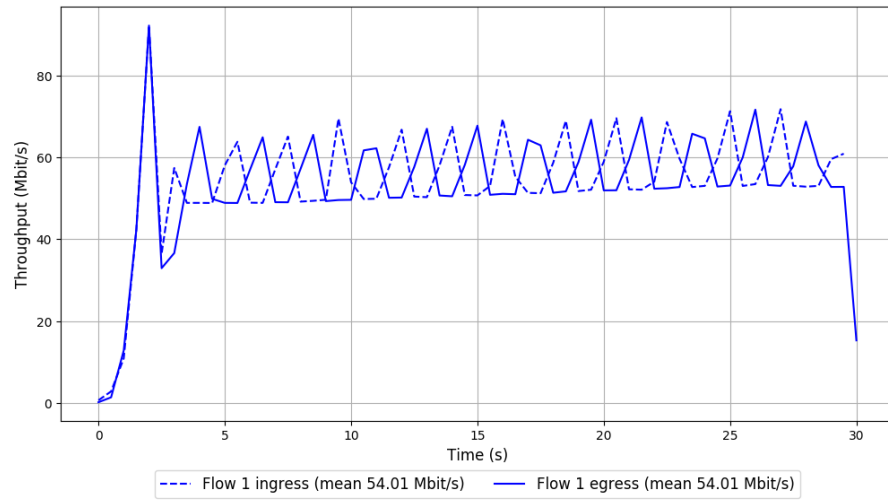
-- Flow 1:

Average throughput: 54.01 Mbit/s

95th percentile per-packet one-way delay: 114.435 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-04-03 04:24:36

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

Below is generated by plot.py at 2018-04-03 06:27:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.93 Mbit/s

95th percentile per-packet one-way delay: 113.474 ms

Loss rate: 0.00%

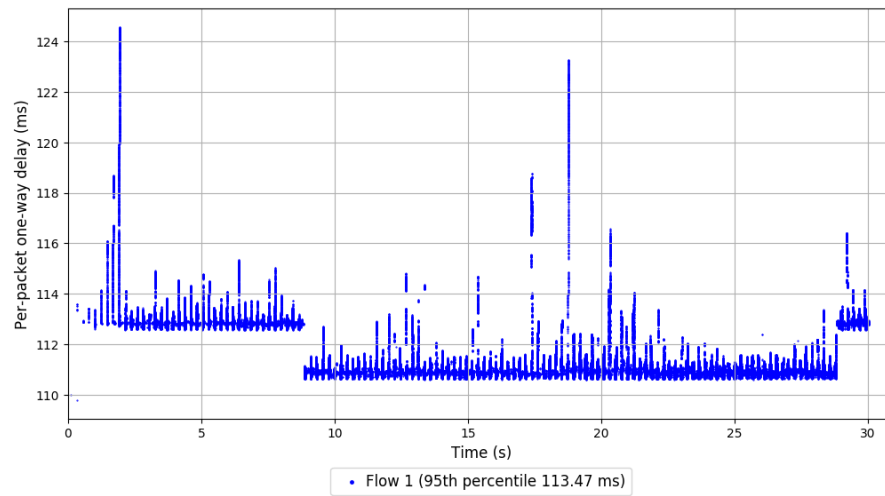
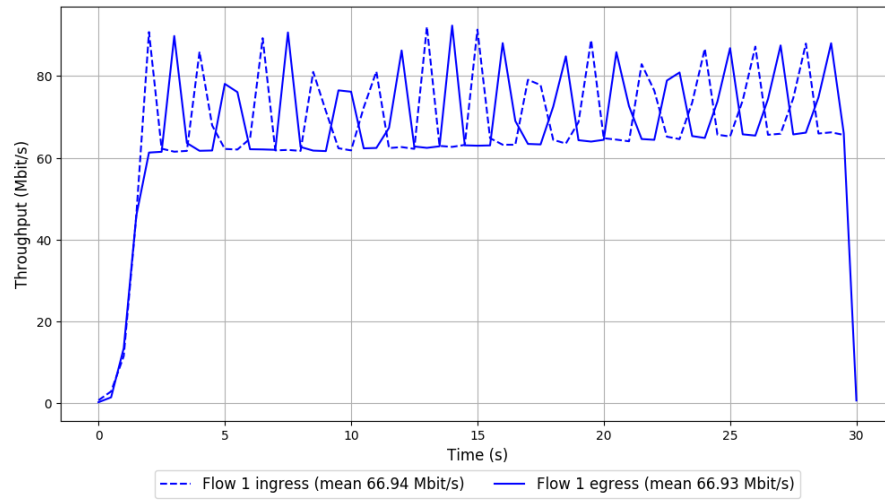
-- Flow 1:

Average throughput: 66.93 Mbit/s

95th percentile per-packet one-way delay: 113.474 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-04-03 04:39:32

End at: 2018-04-03 04:40:02

Below is generated by plot.py at 2018-04-03 06:27:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.10 Mbit/s

95th percentile per-packet one-way delay: 112.806 ms

Loss rate: 0.00%

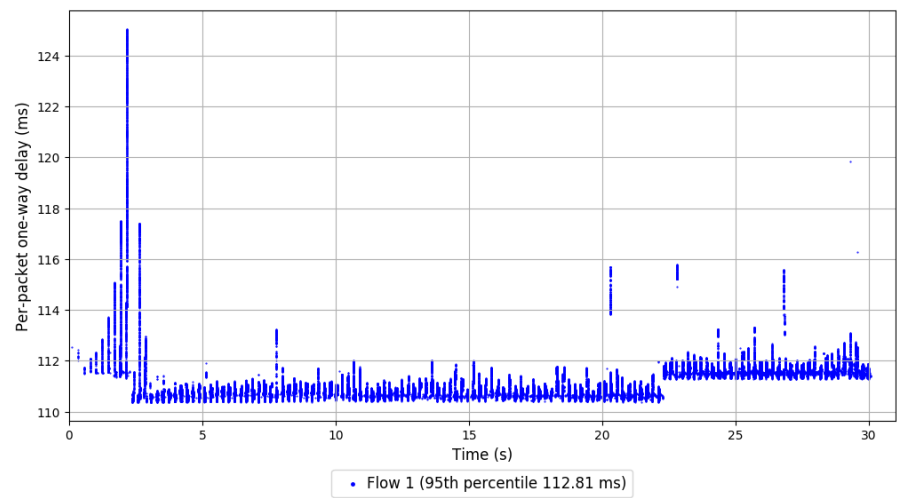
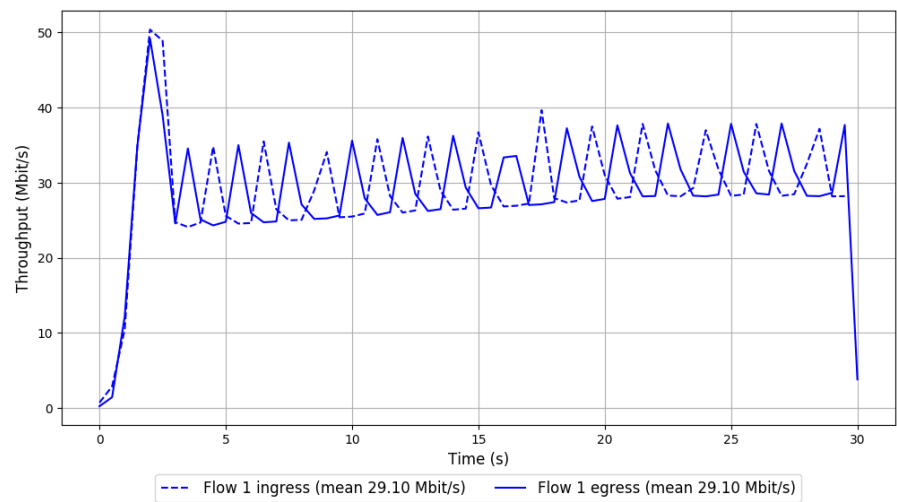
-- Flow 1:

Average throughput: 29.10 Mbit/s

95th percentile per-packet one-way delay: 112.806 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-04-03 02:19:16

End at: 2018-04-03 02:19:47

Below is generated by plot.py at 2018-04-03 06:29:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 174.84 Mbit/s

95th percentile per-packet one-way delay: 176.033 ms

Loss rate: 0.40%

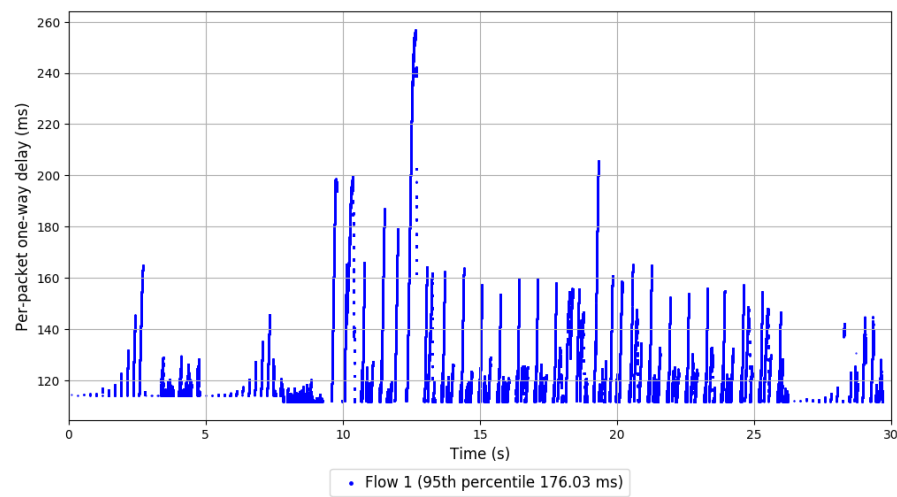
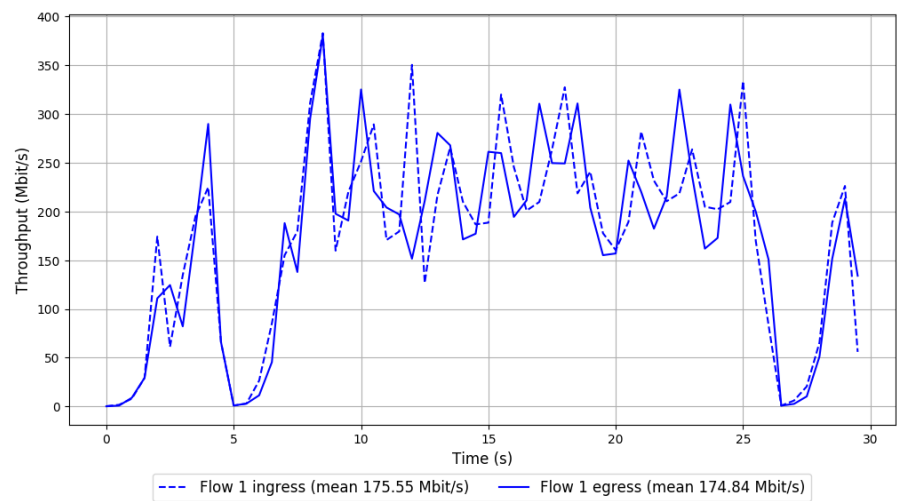
-- Flow 1:

Average throughput: 174.84 Mbit/s

95th percentile per-packet one-way delay: 176.033 ms

Loss rate: 0.40%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-04-03 02:34:40

End at: 2018-04-03 02:35:10

Below is generated by plot.py at 2018-04-03 06:29:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 165.04 Mbit/s

95th percentile per-packet one-way delay: 160.792 ms

Loss rate: 0.00%

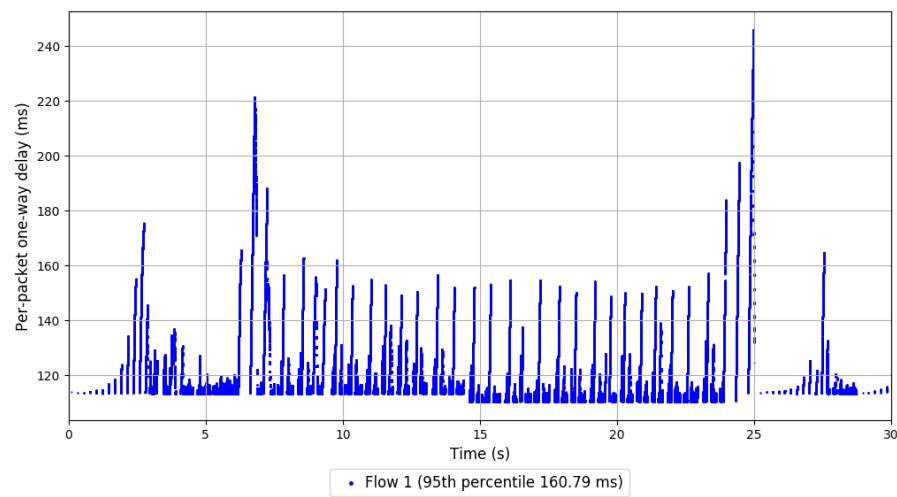
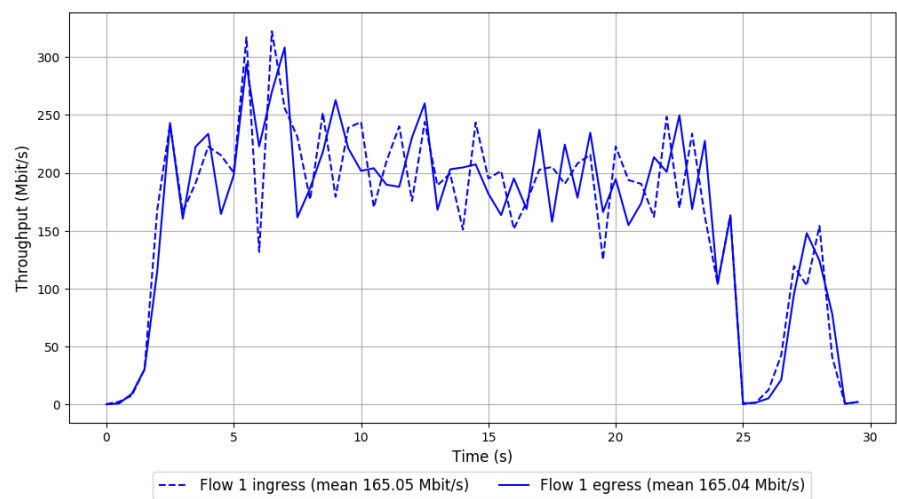
-- Flow 1:

Average throughput: 165.04 Mbit/s

95th percentile per-packet one-way delay: 160.792 ms

Loss rate: 0.00%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-04-03 02:50:07

End at: 2018-04-03 02:50:37

Below is generated by plot.py at 2018-04-03 06:29:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 110.36 Mbit/s

95th percentile per-packet one-way delay: 149.049 ms

Loss rate: 0.00%

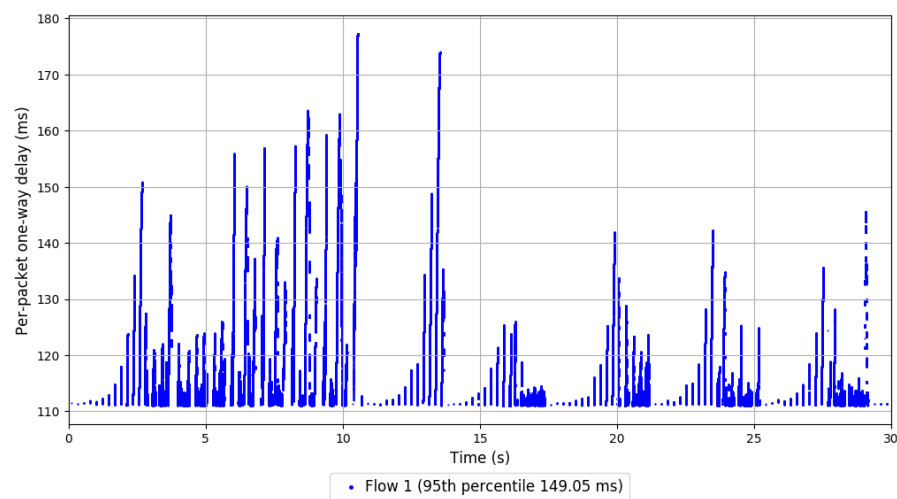
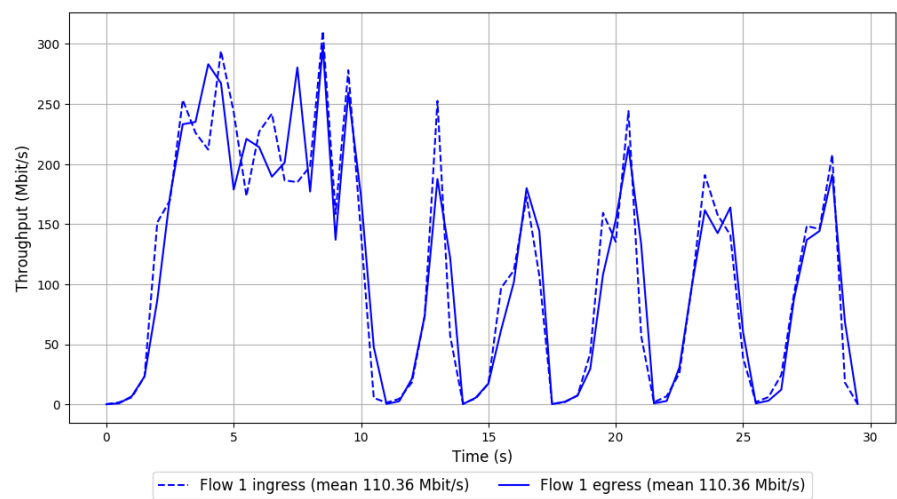
-- Flow 1:

Average throughput: 110.36 Mbit/s

95th percentile per-packet one-way delay: 149.049 ms

Loss rate: 0.00%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-04-03 03:05:42

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

Below is generated by plot.py at 2018-04-03 06:29:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 164.25 Mbit/s

95th percentile per-packet one-way delay: 172.439 ms

Loss rate: 0.37%

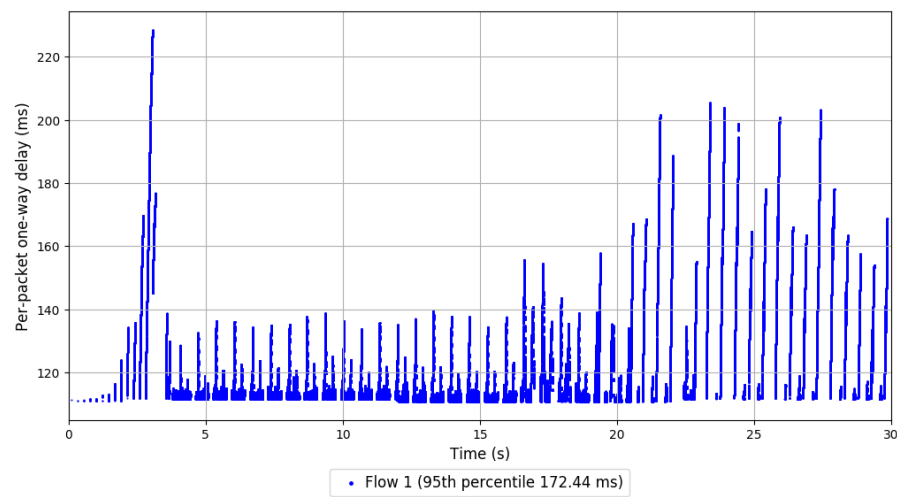
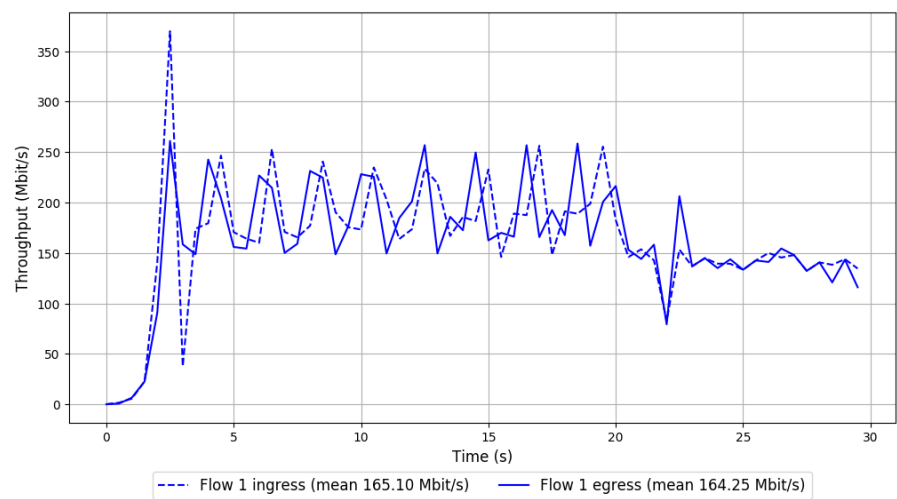
-- Flow 1:

Average throughput: 164.25 Mbit/s

95th percentile per-packet one-way delay: 172.439 ms

Loss rate: 0.37%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

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

End at: 2018-04-03 03:21:33

Below is generated by plot.py at 2018-04-03 06:30:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 174.80 Mbit/s

95th percentile per-packet one-way delay: 157.282 ms

Loss rate: 0.00%

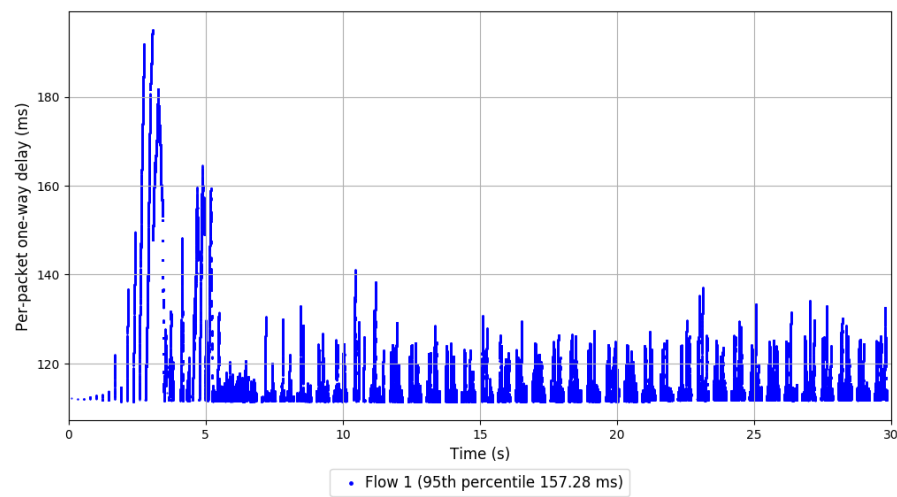
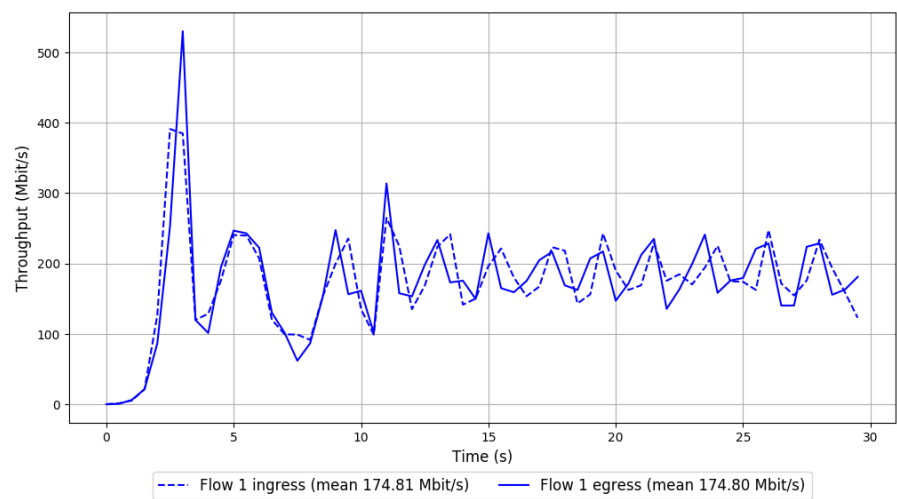
-- Flow 1:

Average throughput: 174.80 Mbit/s

95th percentile per-packet one-way delay: 157.282 ms

Loss rate: 0.00%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

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

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

Below is generated by plot.py at 2018-04-03 06:31:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 239.50 Mbit/s

95th percentile per-packet one-way delay: 173.896 ms

Loss rate: 0.00%

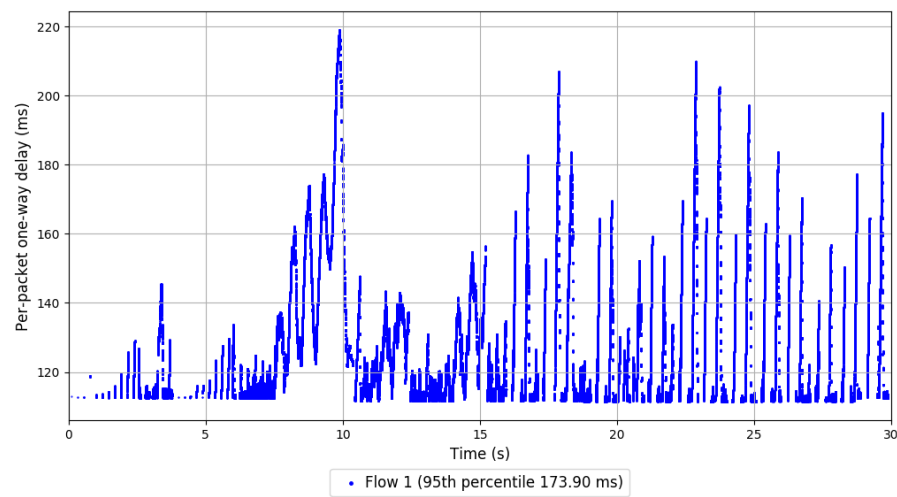
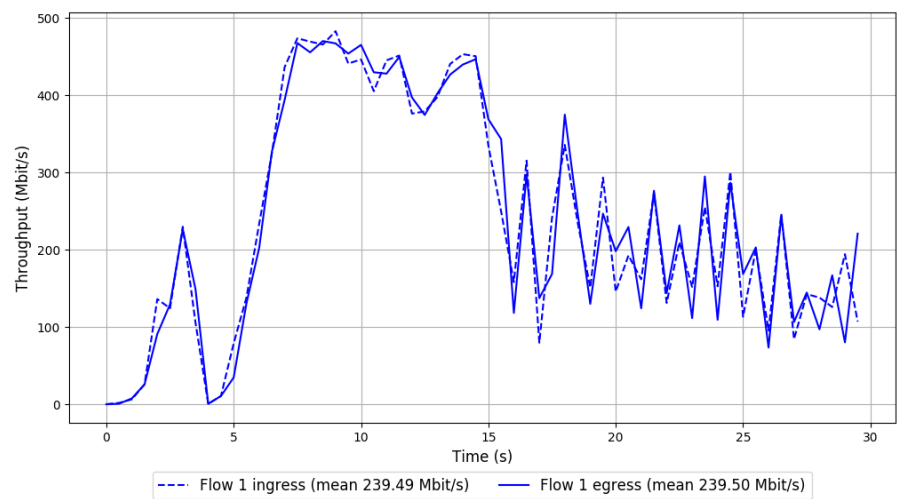
-- Flow 1:

Average throughput: 239.50 Mbit/s

95th percentile per-packet one-way delay: 173.896 ms

Loss rate: 0.00%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

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

End at: 2018-04-03 03:52:42

Below is generated by plot.py at 2018-04-03 06:31:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 202.93 Mbit/s

95th percentile per-packet one-way delay: 171.942 ms

Loss rate: 0.00%

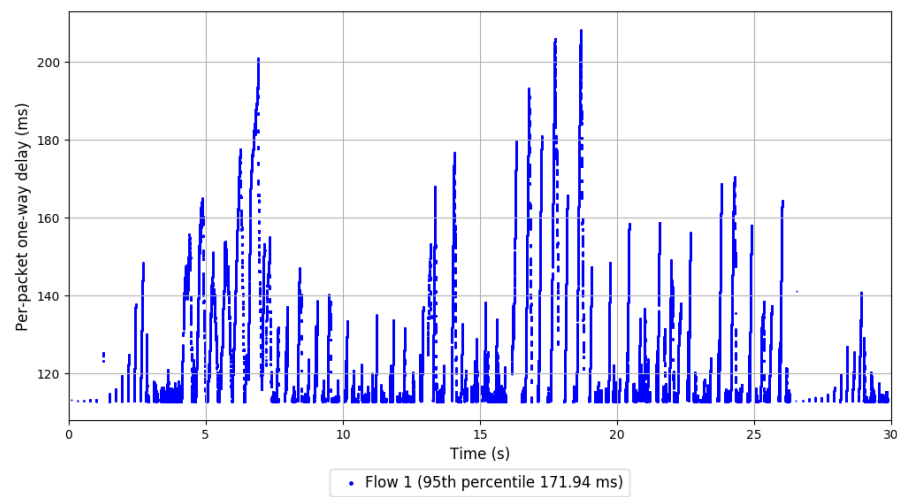
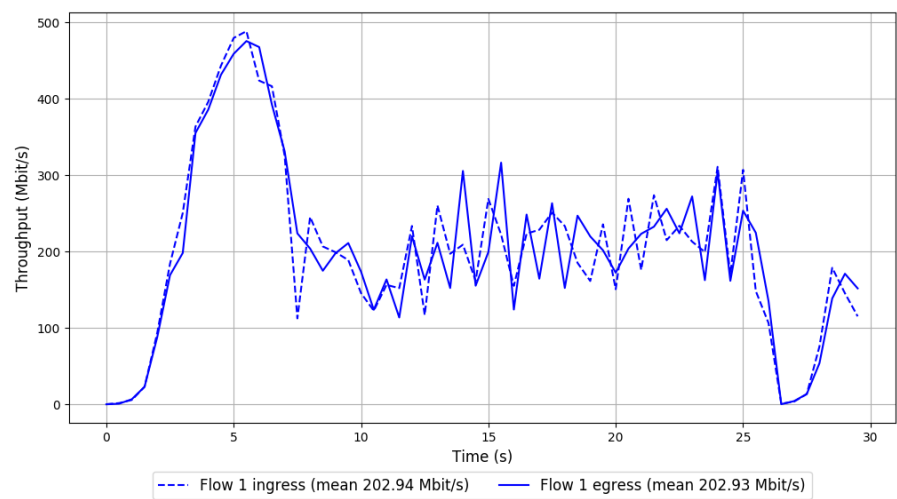
-- Flow 1:

Average throughput: 202.93 Mbit/s

95th percentile per-packet one-way delay: 171.942 ms

Loss rate: 0.00%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-04-03 04:07:57

End at: 2018-04-03 04:08:27

Below is generated by plot.py at 2018-04-03 06:31:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 140.59 Mbit/s

95th percentile per-packet one-way delay: 138.178 ms

Loss rate: 0.00%

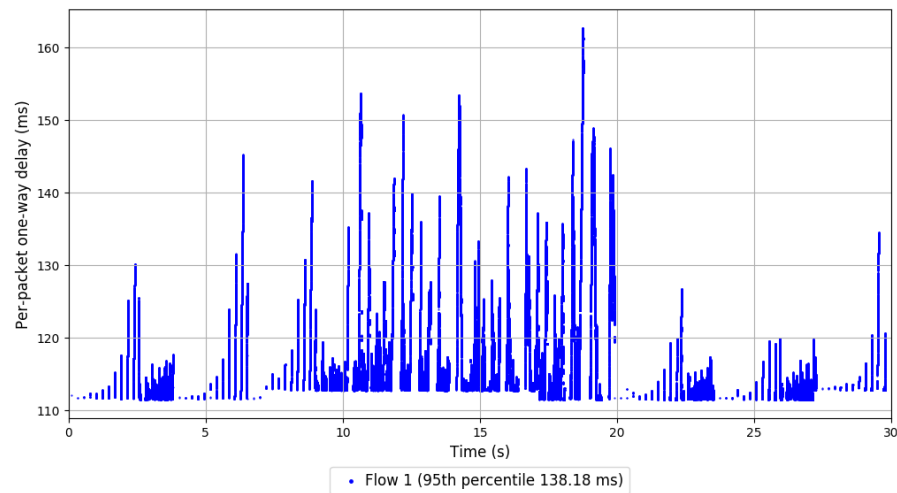
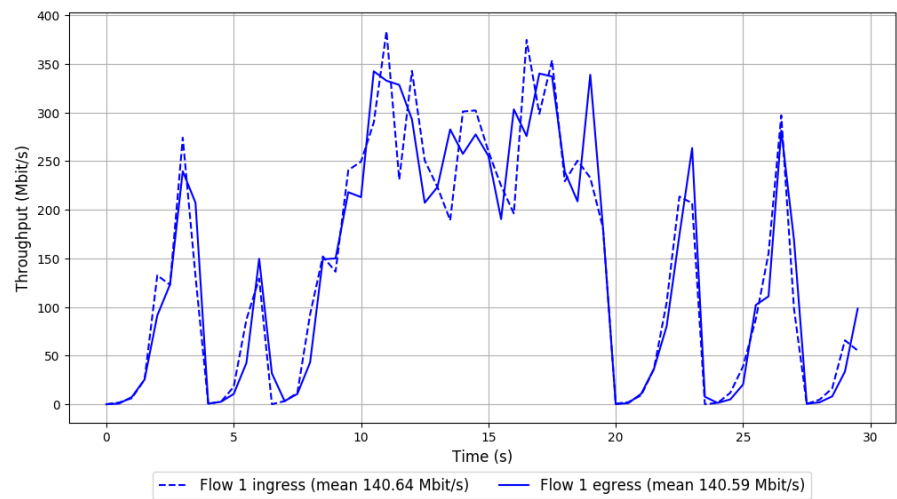
-- Flow 1:

Average throughput: 140.59 Mbit/s

95th percentile per-packet one-way delay: 138.178 ms

Loss rate: 0.00%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-04-03 04:23:37

End at: 2018-04-03 04:24:07

Below is generated by plot.py at 2018-04-03 06:33:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 253.02 Mbit/s

95th percentile per-packet one-way delay: 294.160 ms

Loss rate: 6.25%

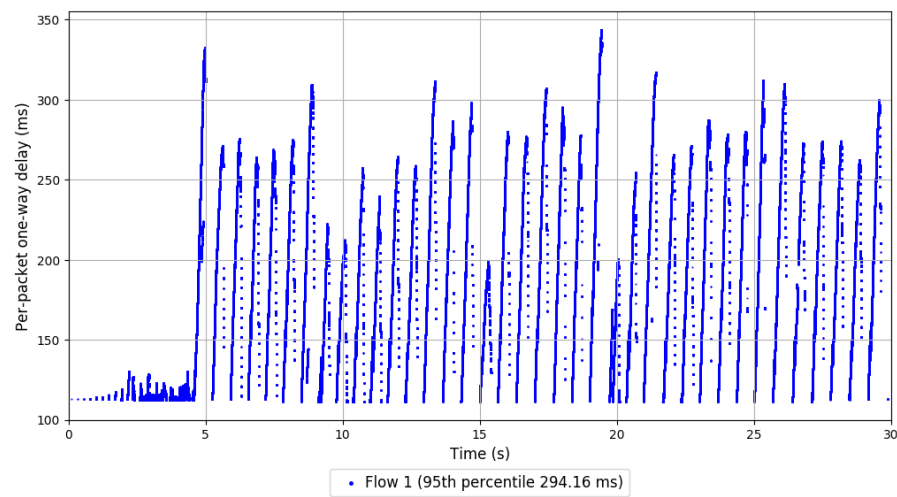
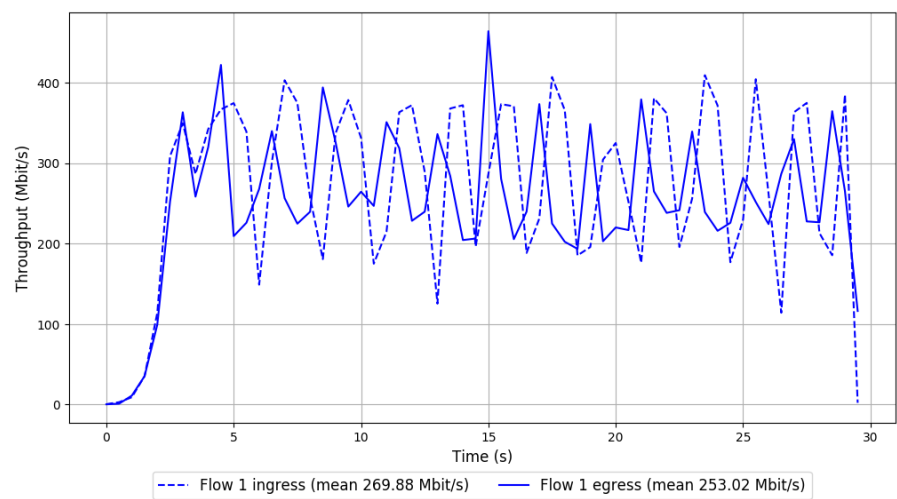
-- Flow 1:

Average throughput: 253.02 Mbit/s

95th percentile per-packet one-way delay: 294.160 ms

Loss rate: 6.25%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-04-03 04:38:45

End at: 2018-04-03 04:39:15

Below is generated by plot.py at 2018-04-03 06:33:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.66 Mbit/s

95th percentile per-packet one-way delay: 125.640 ms

Loss rate: 0.00%

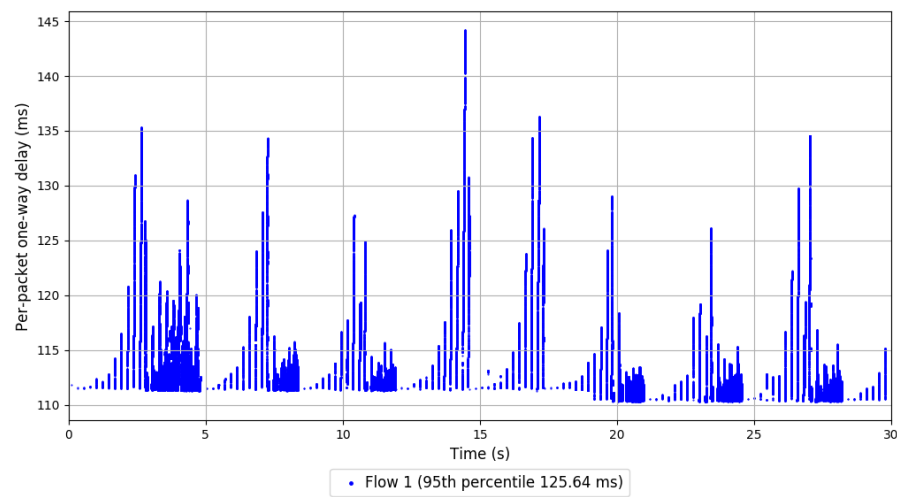
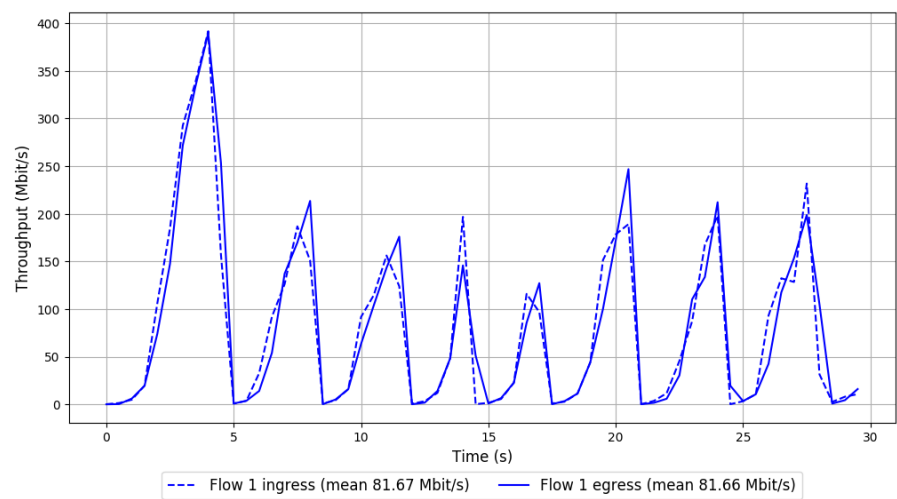
-- Flow 1:

Average throughput: 81.66 Mbit/s

95th percentile per-packet one-way delay: 125.640 ms

Loss rate: 0.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-04-03 02:11:50

End at: 2018-04-03 02:12:20

Below is generated by plot.py at 2018-04-03 06:33:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.00 Mbit/s

95th percentile per-packet one-way delay: 114.025 ms

Loss rate: 0.00%

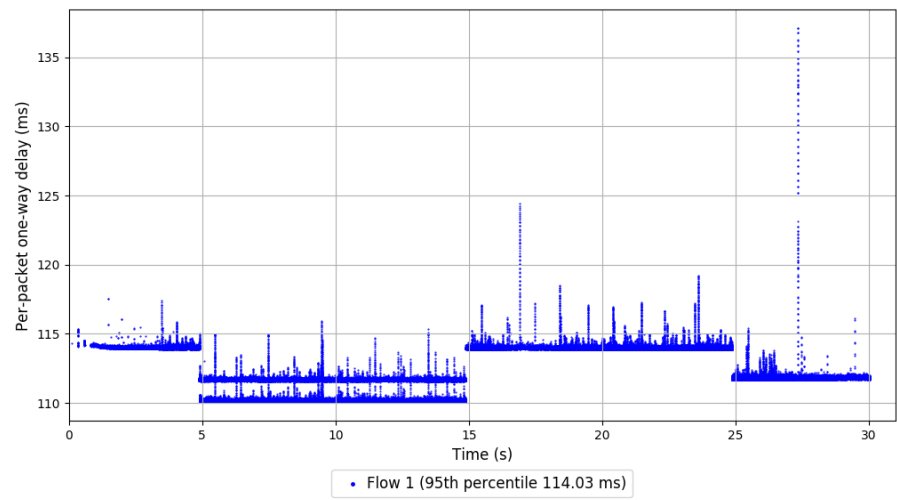
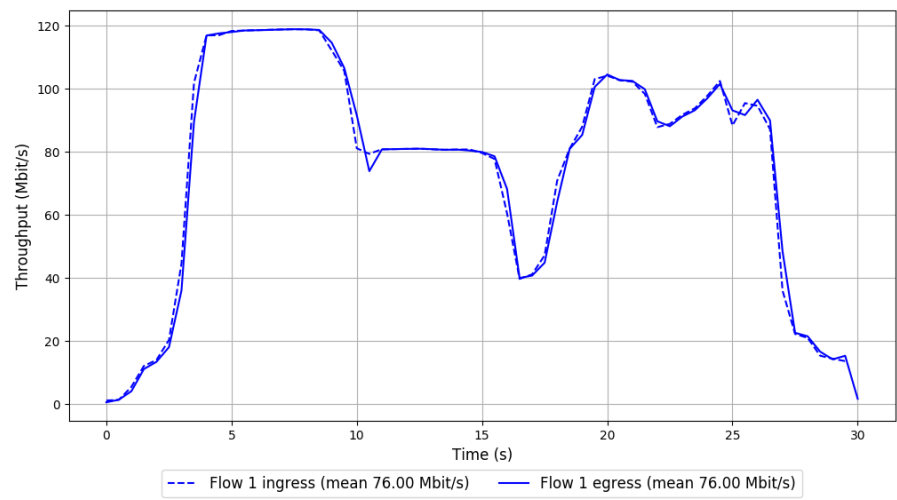
-- Flow 1:

Average throughput: 76.00 Mbit/s

95th percentile per-packet one-way delay: 114.025 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-04-03 02:27:13

End at: 2018-04-03 02:27:43

Below is generated by plot.py at 2018-04-03 06:33:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.18 Mbit/s

95th percentile per-packet one-way delay: 113.703 ms

Loss rate: 0.00%

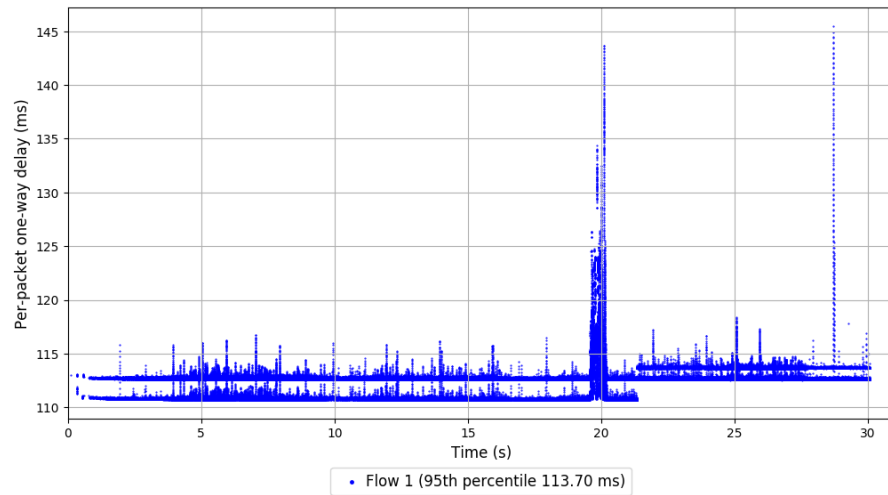
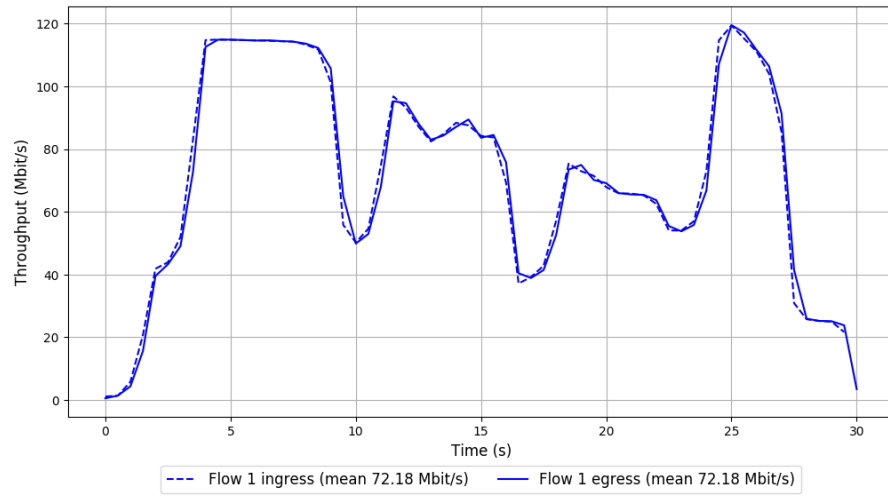
-- Flow 1:

Average throughput: 72.18 Mbit/s

95th percentile per-packet one-way delay: 113.703 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-04-03 02:42:45

End at: 2018-04-03 02:43:15

Below is generated by plot.py at 2018-04-03 06:33:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.28 Mbit/s

95th percentile per-packet one-way delay: 111.955 ms

Loss rate: 0.00%

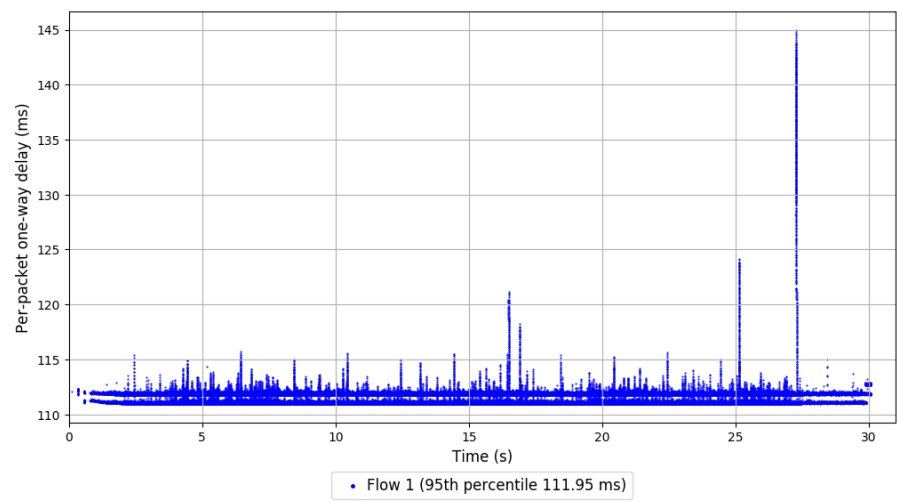
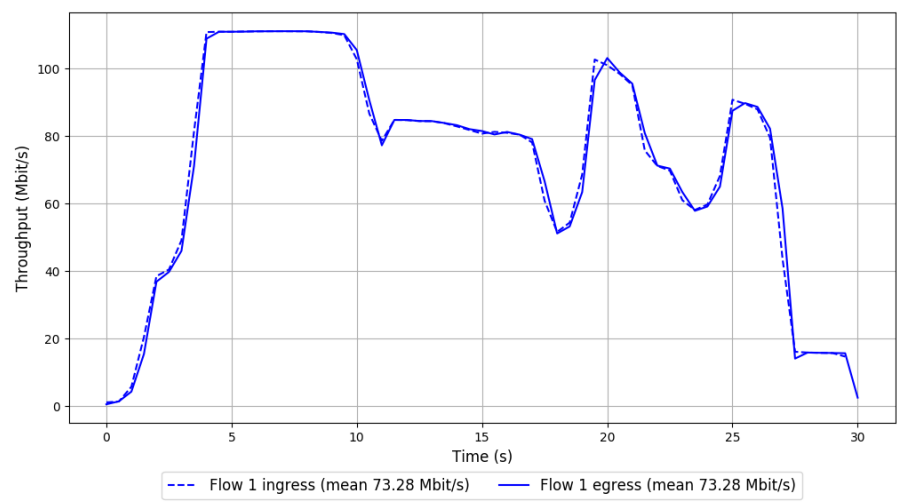
-- Flow 1:

Average throughput: 73.28 Mbit/s

95th percentile per-packet one-way delay: 111.955 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-04-03 02:58:02

End at: 2018-04-03 02:58:32

Below is generated by plot.py at 2018-04-03 06:33:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.83 Mbit/s

95th percentile per-packet one-way delay: 113.351 ms

Loss rate: 0.00%

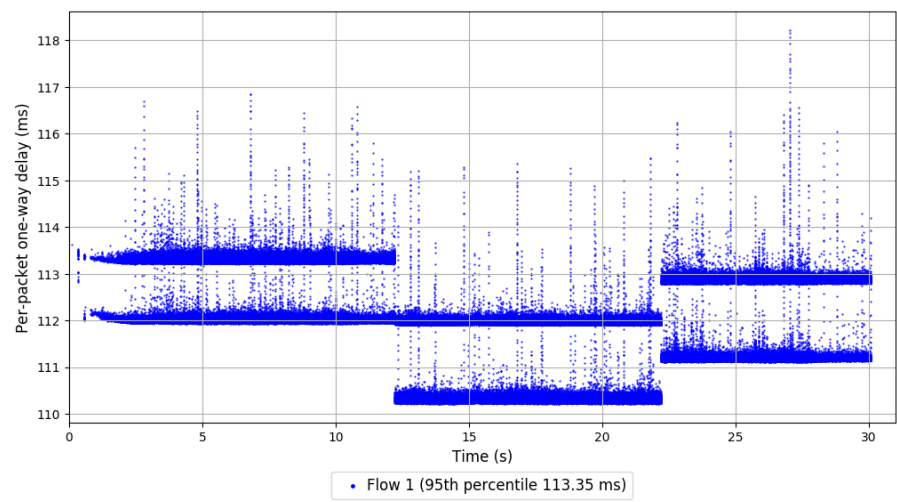
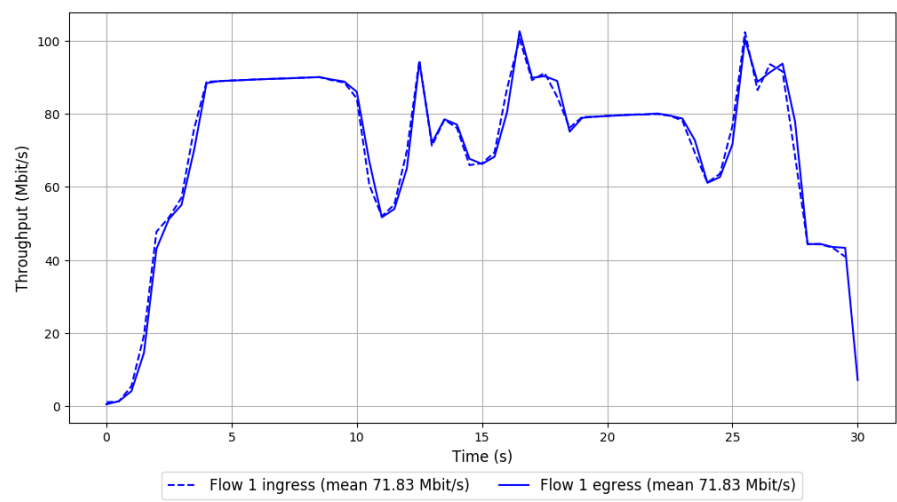
-- Flow 1:

Average throughput: 71.83 Mbit/s

95th percentile per-packet one-way delay: 113.351 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-04-03 03:13:48

End at: 2018-04-03 03:14:18

Below is generated by plot.py at 2018-04-03 06:33:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.61 Mbit/s

95th percentile per-packet one-way delay: 111.786 ms

Loss rate: 0.01%

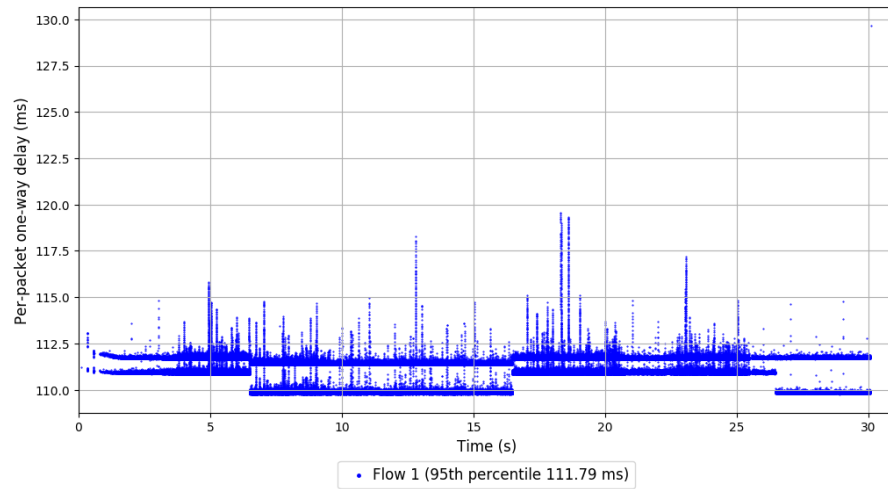
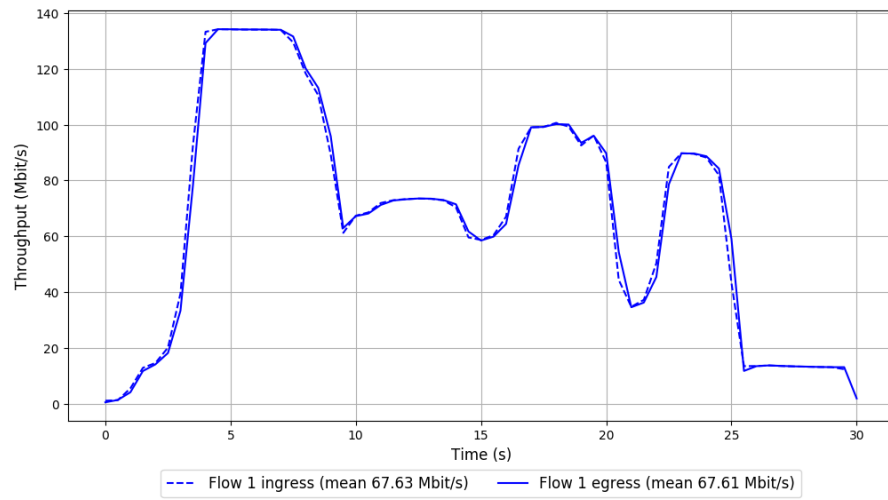
-- Flow 1:

Average throughput: 67.61 Mbit/s

95th percentile per-packet one-way delay: 111.786 ms

Loss rate: 0.01%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

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

End at: 2018-04-03 03:29:40

Below is generated by plot.py at 2018-04-03 06:33:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.34 Mbit/s

95th percentile per-packet one-way delay: 112.590 ms

Loss rate: 0.00%

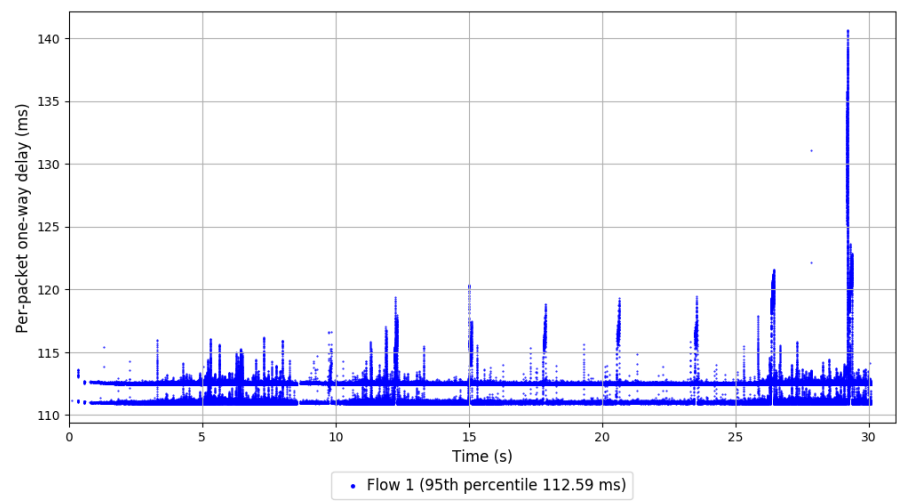
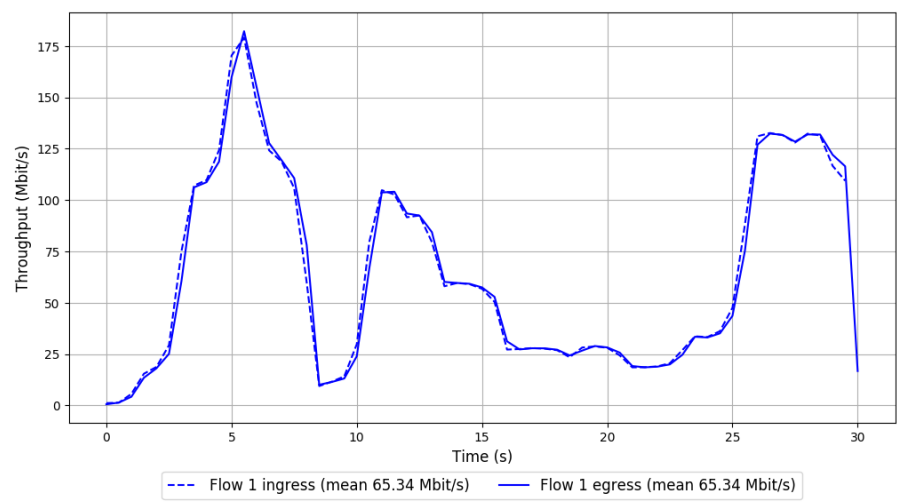
-- Flow 1:

Average throughput: 65.34 Mbit/s

95th percentile per-packet one-way delay: 112.590 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-04-03 03:44:40

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

Below is generated by plot.py at 2018-04-03 06:33:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.23 Mbit/s

95th percentile per-packet one-way delay: 112.857 ms

Loss rate: 0.00%

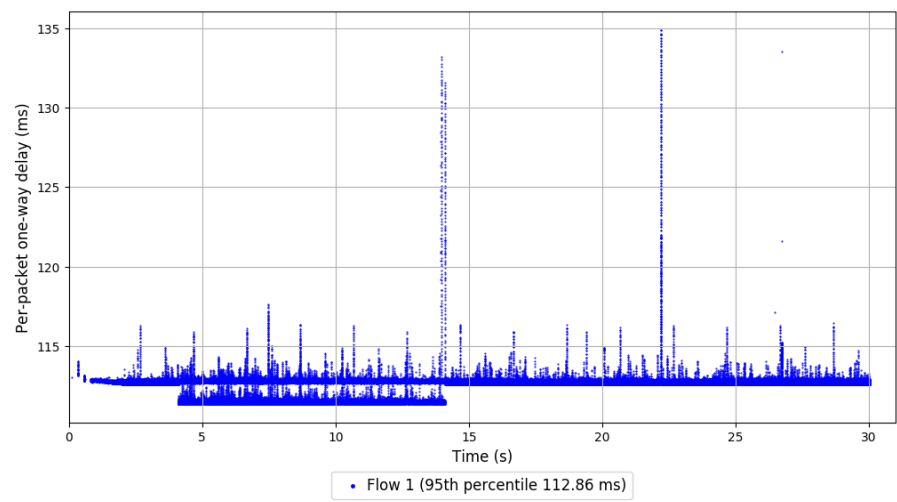
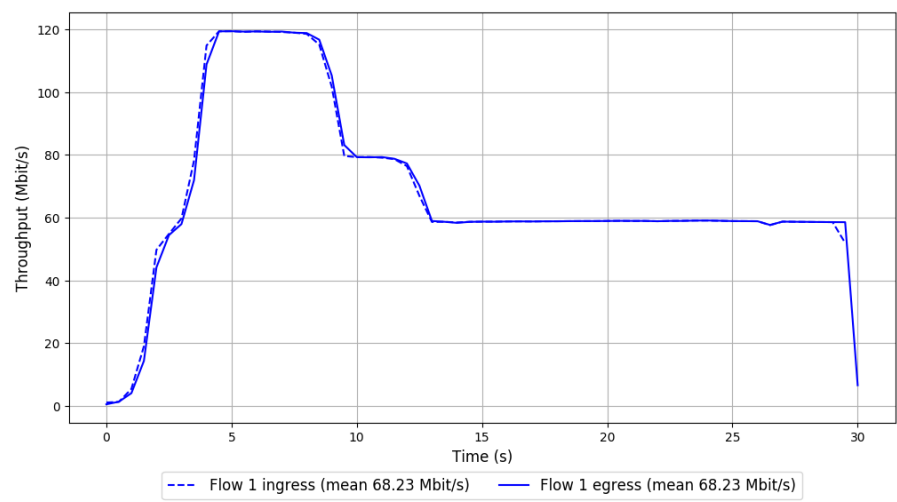
-- Flow 1:

Average throughput: 68.23 Mbit/s

95th percentile per-packet one-way delay: 112.857 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-04-03 04:00:19

End at: 2018-04-03 04:00:49

Below is generated by plot.py at 2018-04-03 06:34:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.61 Mbit/s

95th percentile per-packet one-way delay: 112.871 ms

Loss rate: 0.00%

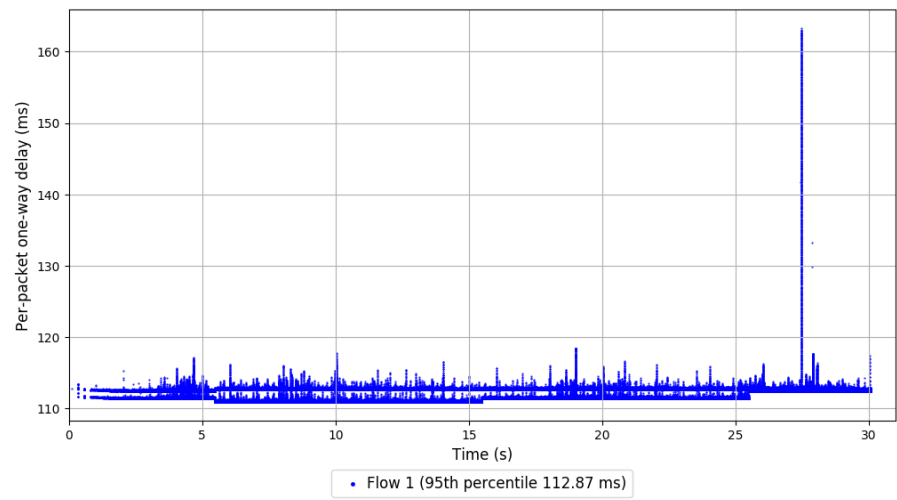
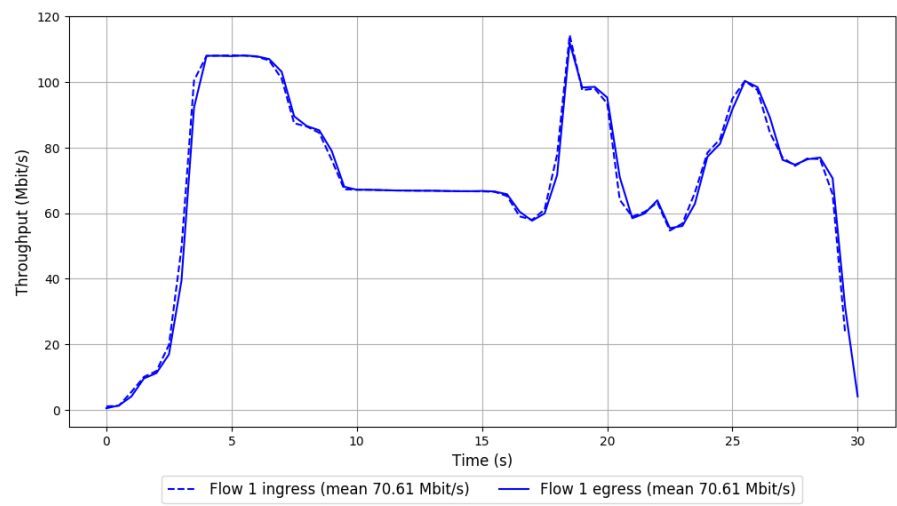
-- Flow 1:

Average throughput: 70.61 Mbit/s

95th percentile per-packet one-way delay: 112.871 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-04-03 04:15:55

End at: 2018-04-03 04:16:25

Below is generated by plot.py at 2018-04-03 06:34:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.06 Mbit/s

95th percentile per-packet one-way delay: 112.711 ms

Loss rate: 0.00%

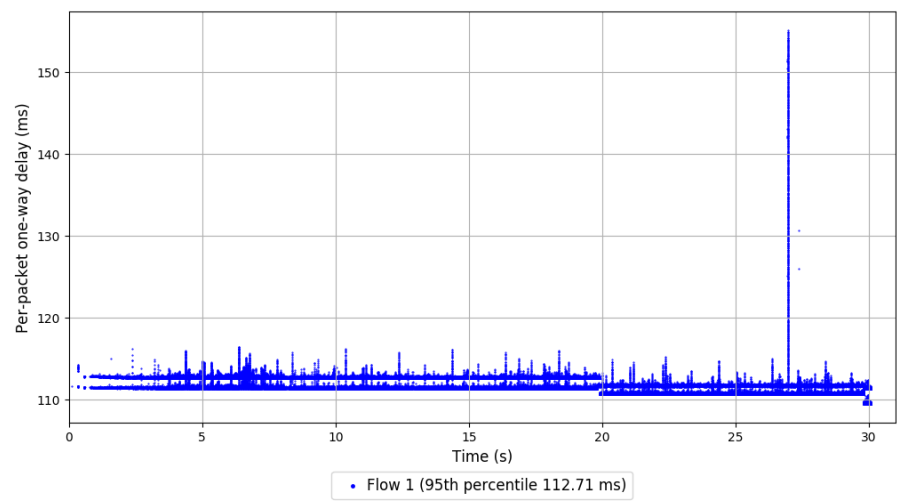
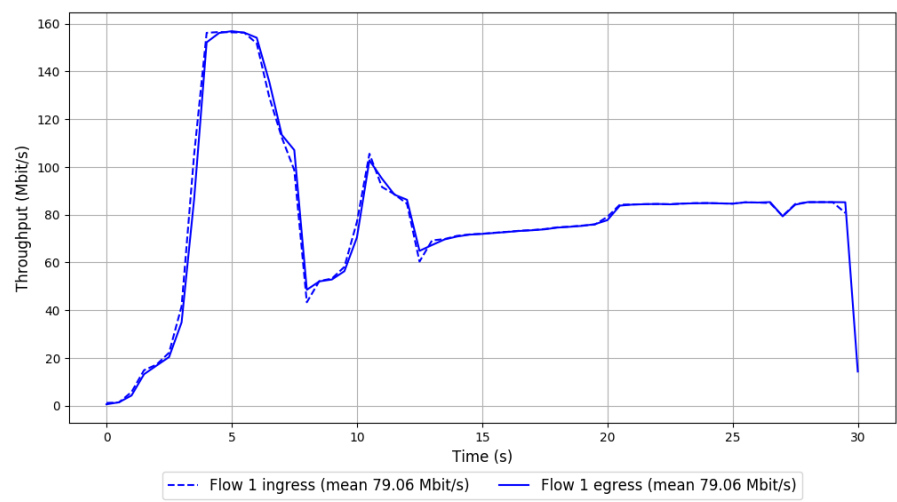
-- Flow 1:

Average throughput: 79.06 Mbit/s

95th percentile per-packet one-way delay: 112.711 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-04-03 04:31:37

End at: 2018-04-03 04:32:07

Below is generated by plot.py at 2018-04-03 06:34:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.90 Mbit/s

95th percentile per-packet one-way delay: 110.816 ms

Loss rate: 0.00%

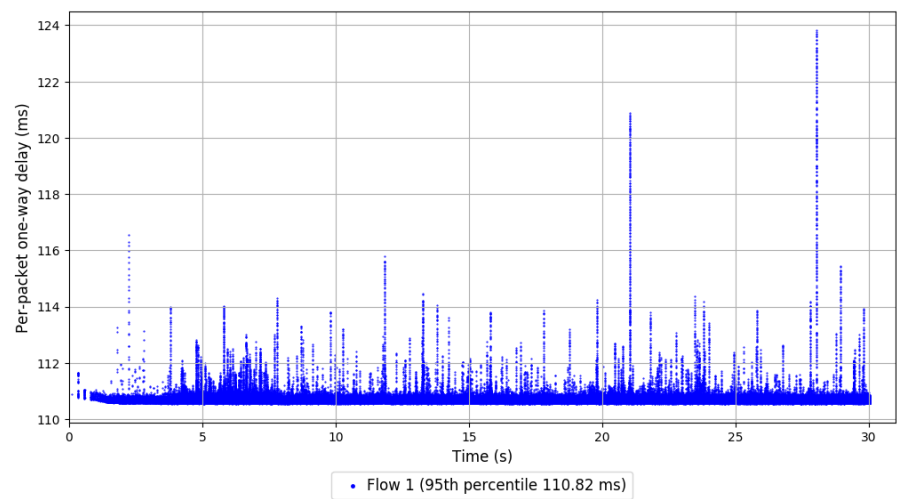
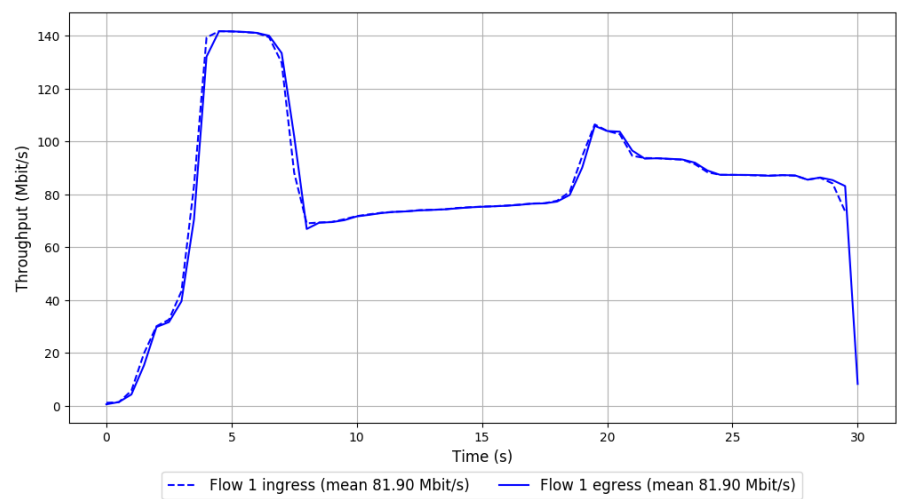
-- Flow 1:

Average throughput: 81.90 Mbit/s

95th percentile per-packet one-way delay: 110.816 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of FillP

Start at: 2018-04-03 02:14:19

End at: 2018-04-03 02:14:49

Below is generated by plot.py at 2018-04-03 06:46:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 766.11 Mbit/s

95th percentile per-packet one-way delay: 215.115 ms

Loss rate: 5.45%

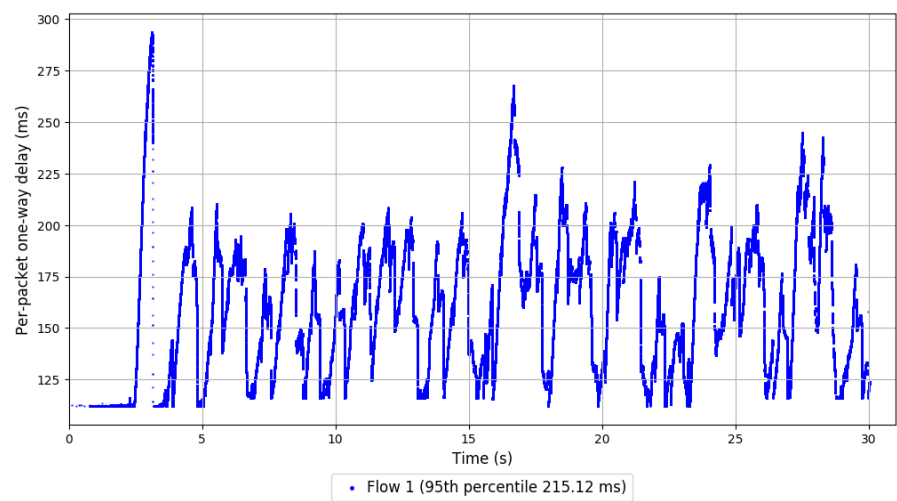
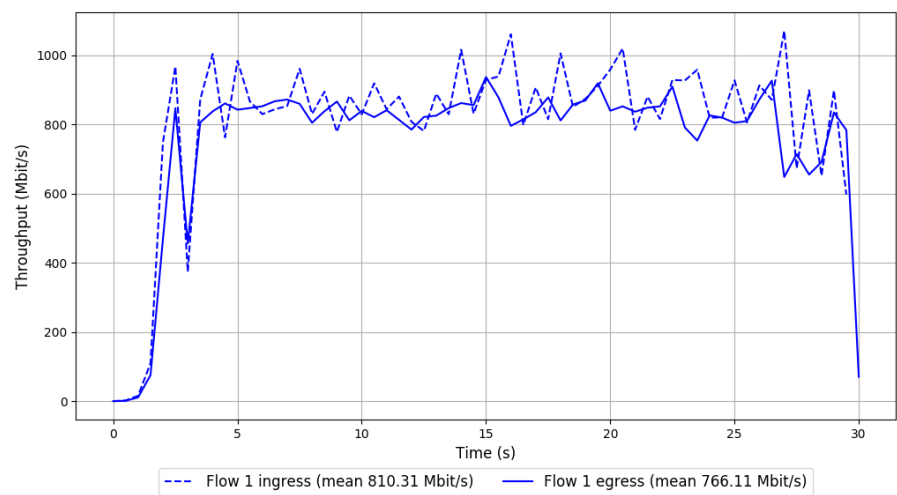
-- Flow 1:

Average throughput: 766.11 Mbit/s

95th percentile per-packet one-way delay: 215.115 ms

Loss rate: 5.45%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-04-03 02:29:40

End at: 2018-04-03 02:30:10

Below is generated by plot.py at 2018-04-03 06:46:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 750.57 Mbit/s

95th percentile per-packet one-way delay: 194.832 ms

Loss rate: 3.63%

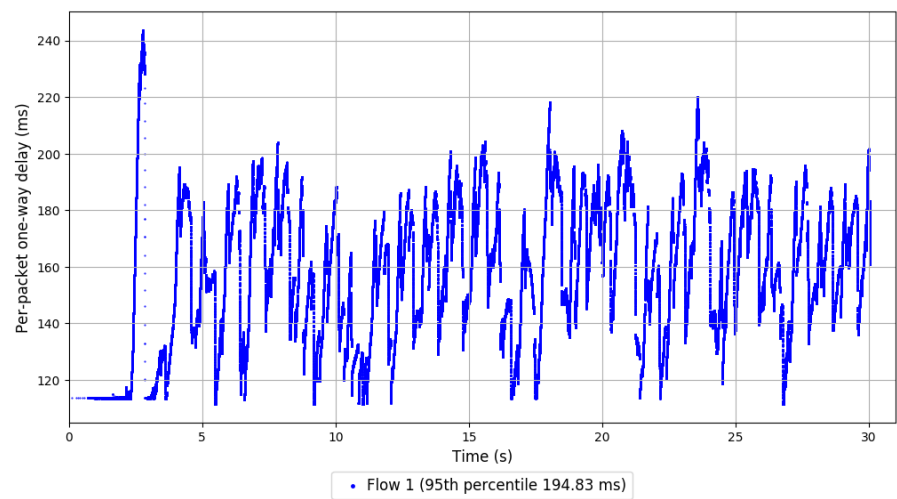
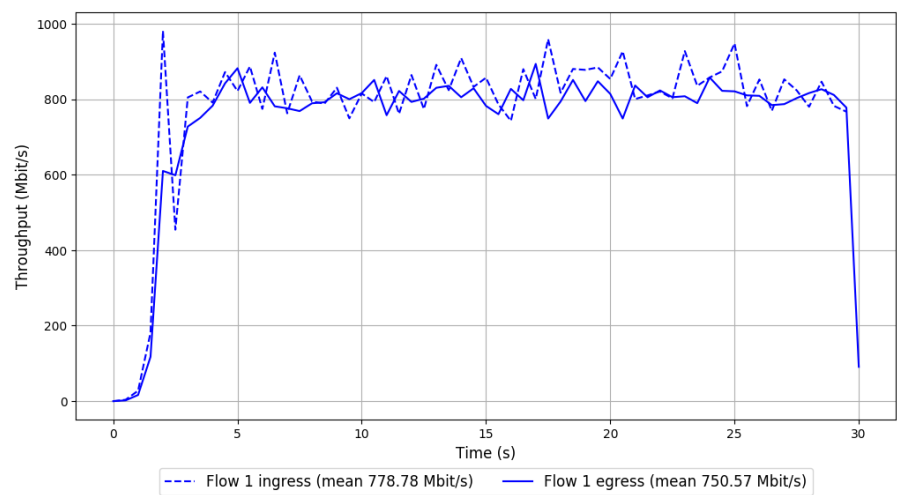
-- Flow 1:

Average throughput: 750.57 Mbit/s

95th percentile per-packet one-way delay: 194.832 ms

Loss rate: 3.63%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-04-03 02:45:08

End at: 2018-04-03 02:45:38

Below is generated by plot.py at 2018-04-03 06:46:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 734.36 Mbit/s

95th percentile per-packet one-way delay: 204.312 ms

Loss rate: 5.89%

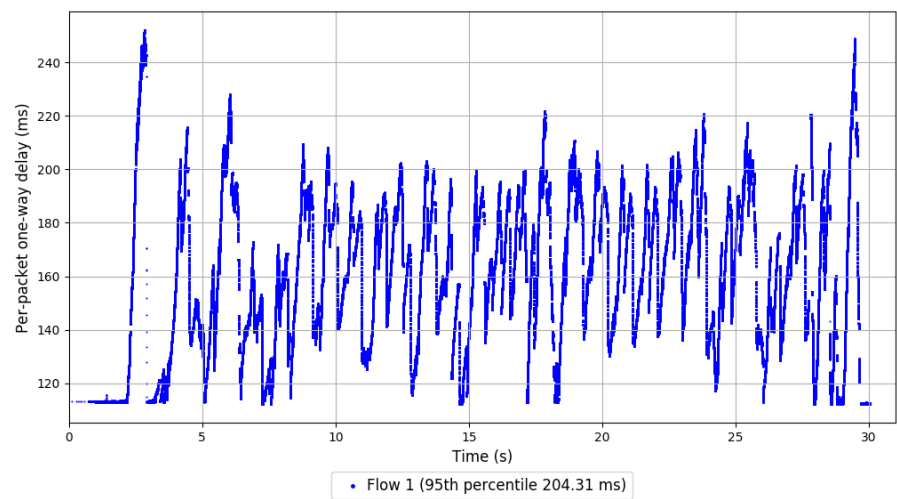
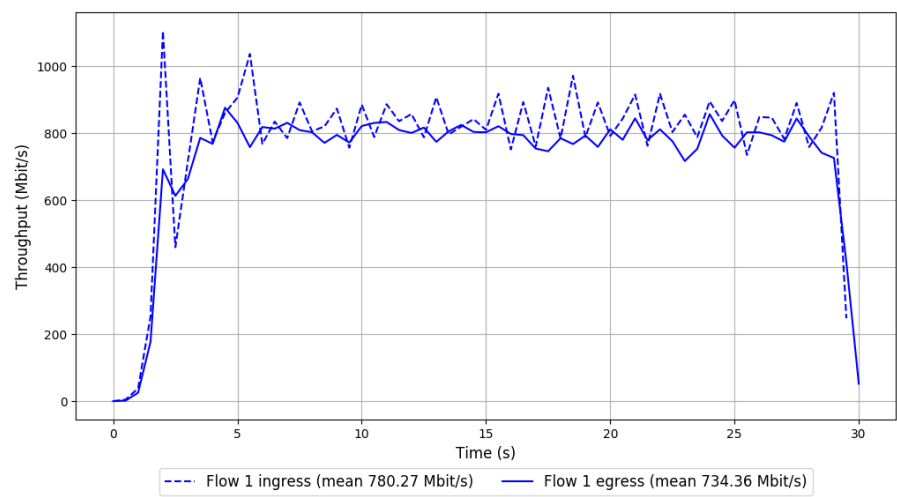
-- Flow 1:

Average throughput: 734.36 Mbit/s

95th percentile per-packet one-way delay: 204.312 ms

Loss rate: 5.89%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-04-03 03:00:44

End at: 2018-04-03 03:01:14

Below is generated by plot.py at 2018-04-03 06:47:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 764.65 Mbit/s

95th percentile per-packet one-way delay: 248.748 ms

Loss rate: 4.73%

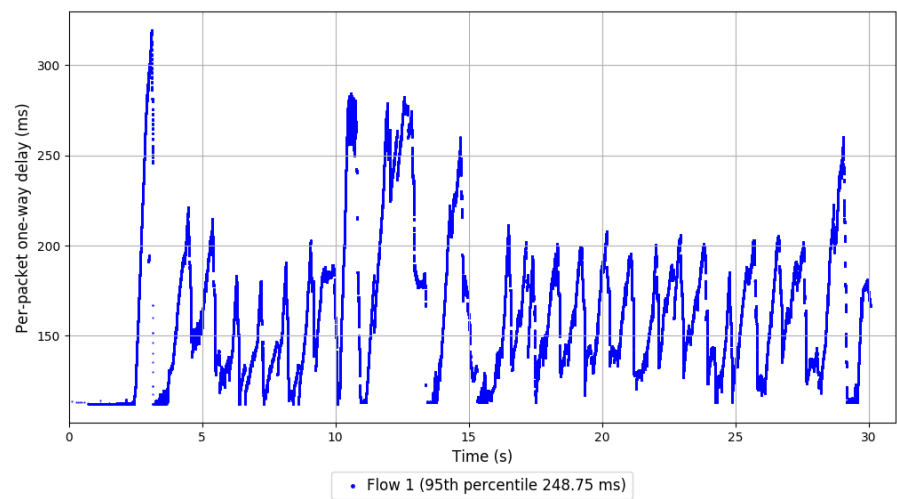
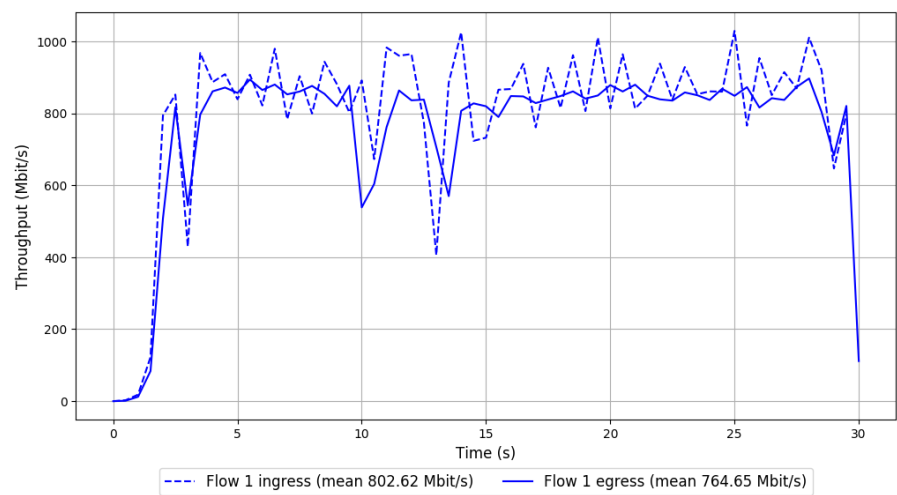
-- Flow 1:

Average throughput: 764.65 Mbit/s

95th percentile per-packet one-way delay: 248.748 ms

Loss rate: 4.73%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

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

End at: 2018-04-03 03:16:41

Below is generated by plot.py at 2018-04-03 06:47:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 754.93 Mbit/s

95th percentile per-packet one-way delay: 228.661 ms

Loss rate: 4.57%

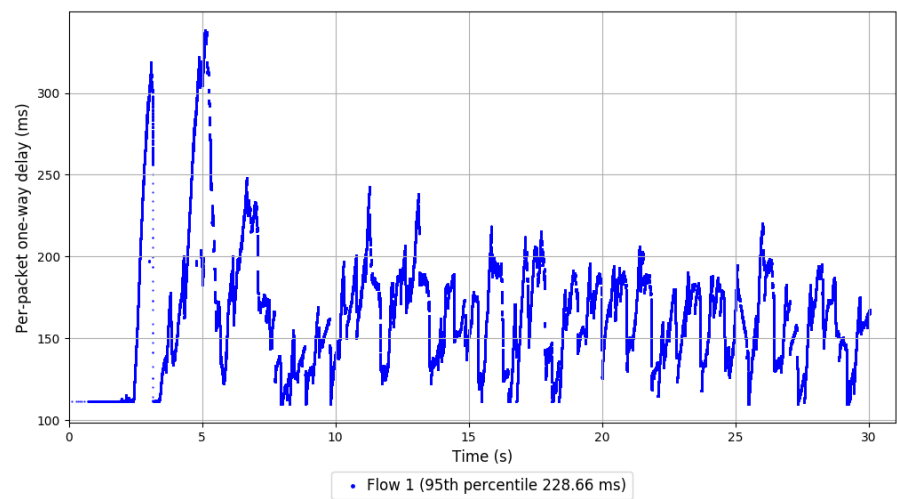
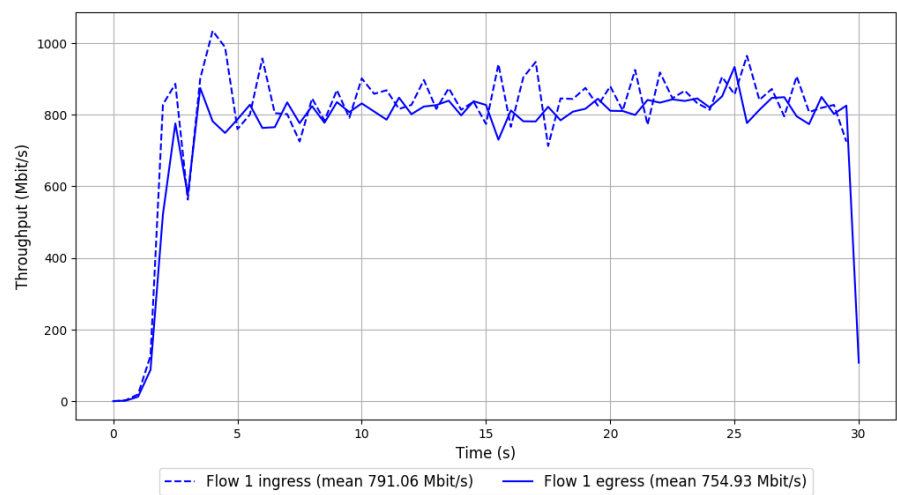
-- Flow 1:

Average throughput: 754.93 Mbit/s

95th percentile per-packet one-way delay: 228.661 ms

Loss rate: 4.57%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

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

End at: 2018-04-03 03:32:05

Below is generated by plot.py at 2018-04-03 06:47:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 744.93 Mbit/s

95th percentile per-packet one-way delay: 192.412 ms

Loss rate: 4.06%

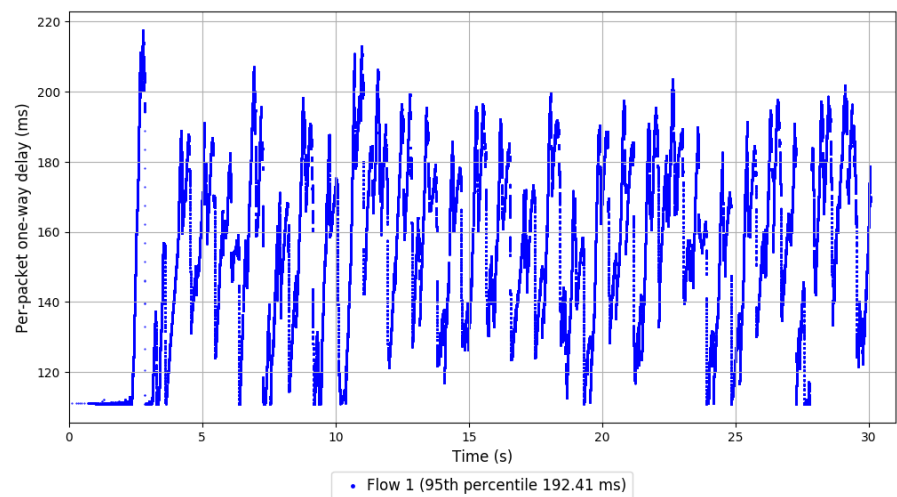
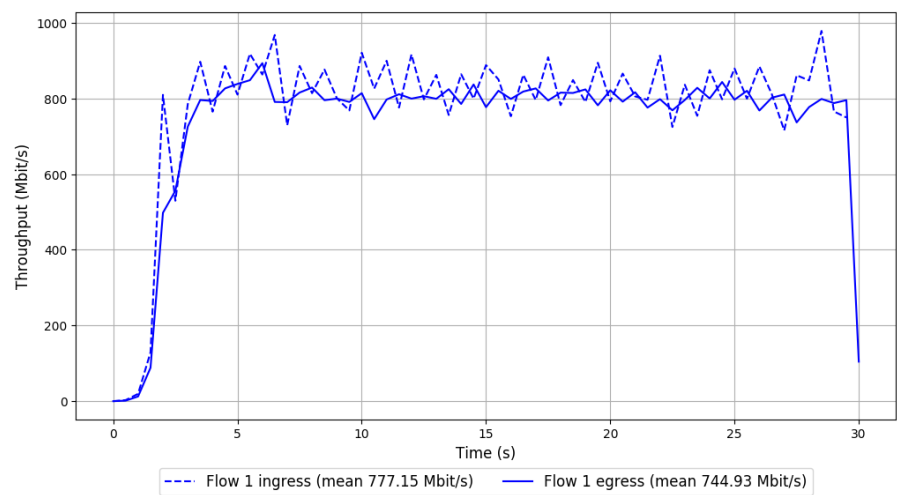
-- Flow 1:

Average throughput: 744.93 Mbit/s

95th percentile per-packet one-way delay: 192.412 ms

Loss rate: 4.06%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

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

End at: 2018-04-03 03:47:44

Below is generated by plot.py at 2018-04-03 06:48:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 761.55 Mbit/s

95th percentile per-packet one-way delay: 193.077 ms

Loss rate: 4.09%

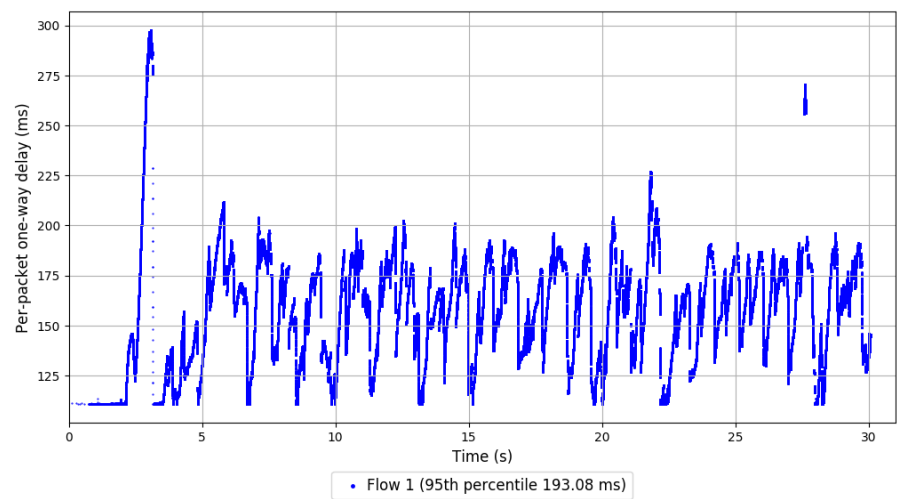
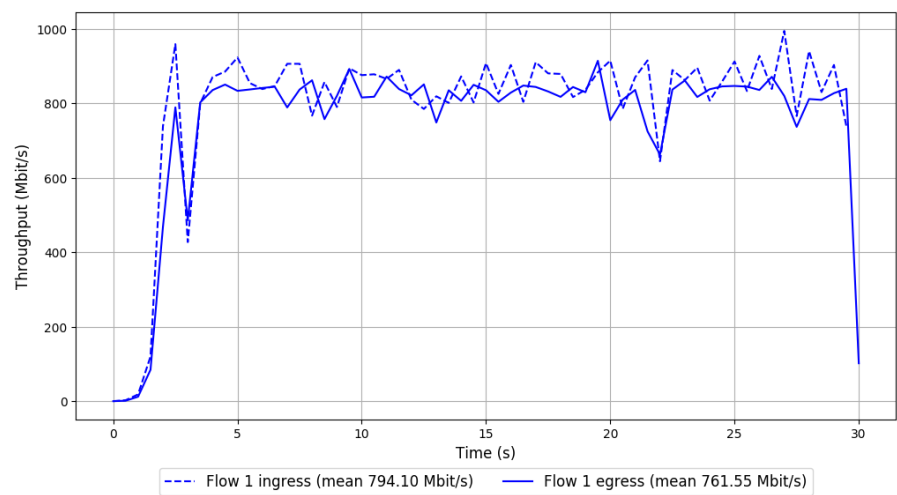
-- Flow 1:

Average throughput: 761.55 Mbit/s

95th percentile per-packet one-way delay: 193.077 ms

Loss rate: 4.09%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-04-03 04:02:58

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

Below is generated by plot.py at 2018-04-03 06:49:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 776.28 Mbit/s

95th percentile per-packet one-way delay: 202.535 ms

Loss rate: 4.42%

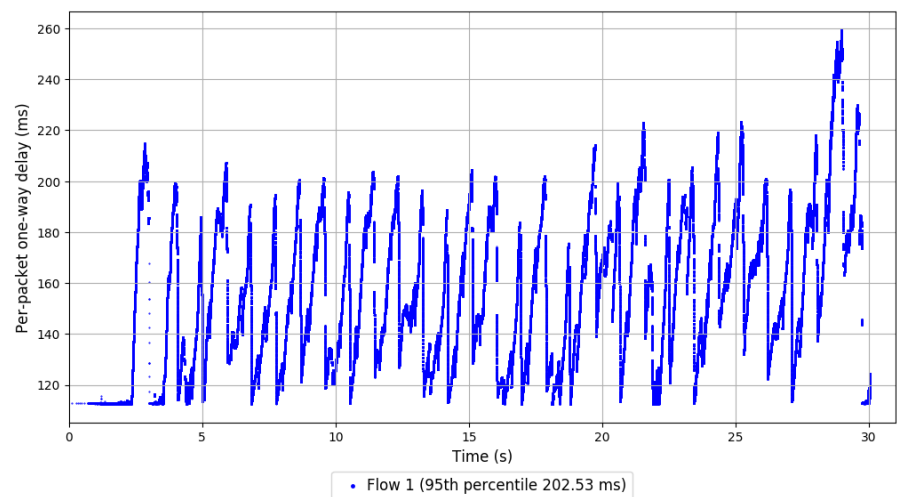
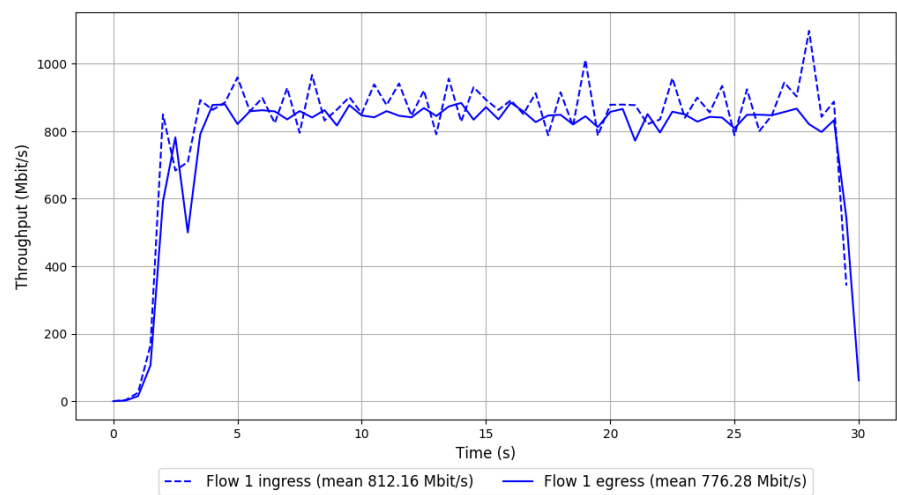
-- Flow 1:

Average throughput: 776.28 Mbit/s

95th percentile per-packet one-way delay: 202.535 ms

Loss rate: 4.42%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-04-03 04:18:38

End at: 2018-04-03 04:19:08

Below is generated by plot.py at 2018-04-03 07:00:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 789.80 Mbit/s

95th percentile per-packet one-way delay: 200.639 ms

Loss rate: 3.66%

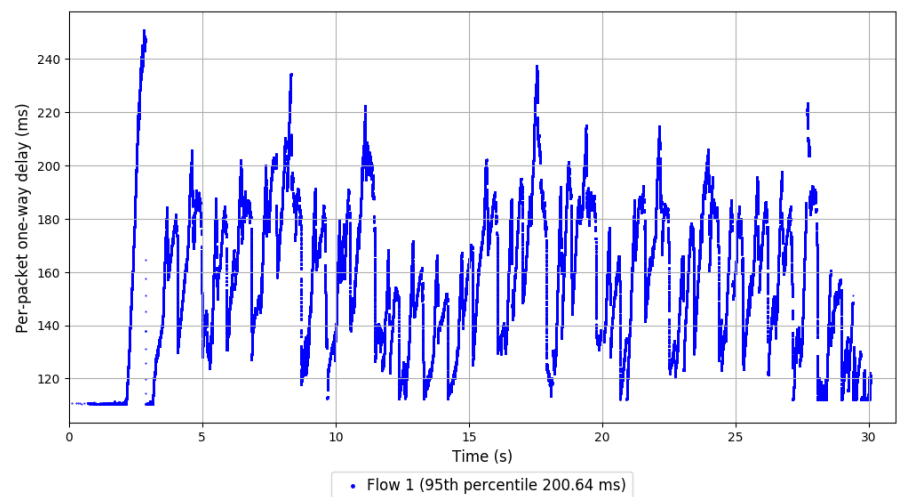
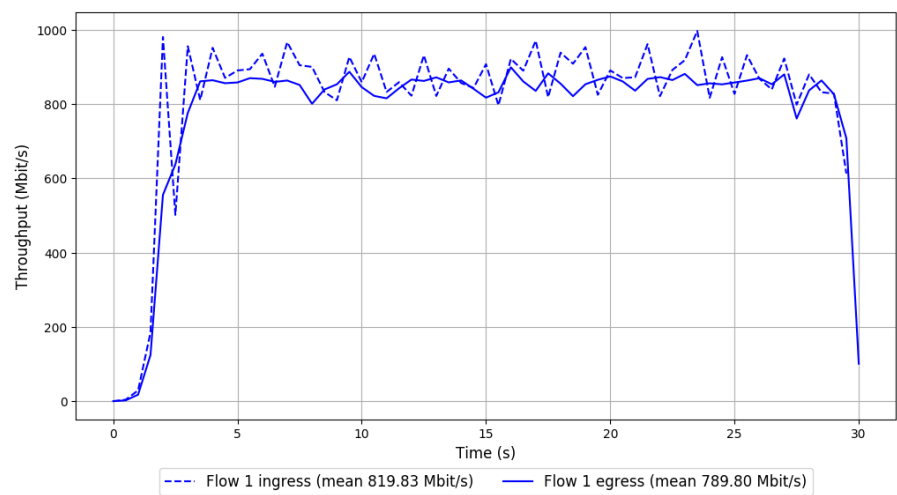
-- Flow 1:

Average throughput: 789.80 Mbit/s

95th percentile per-packet one-way delay: 200.639 ms

Loss rate: 3.66%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

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

End at: 2018-04-03 04:34:44

Below is generated by plot.py at 2018-04-03 07:00:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.91 Mbit/s

95th percentile per-packet one-way delay: 355.998 ms

Loss rate: 11.52%

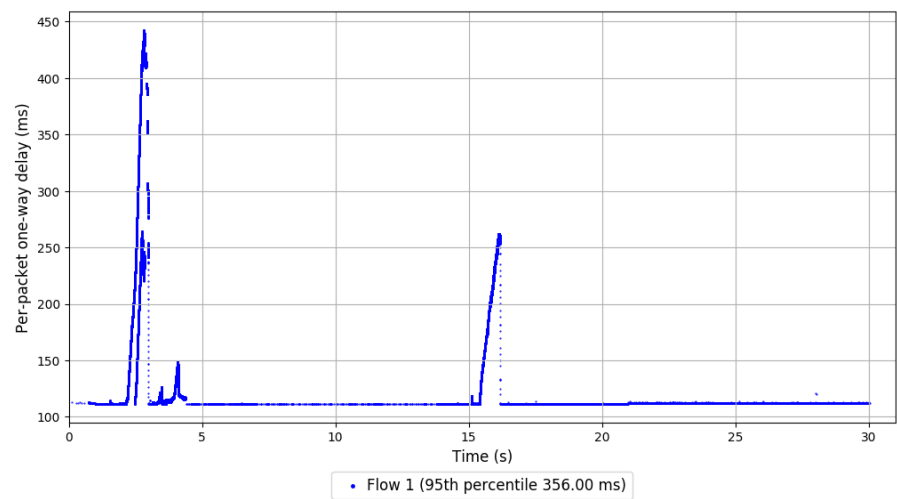
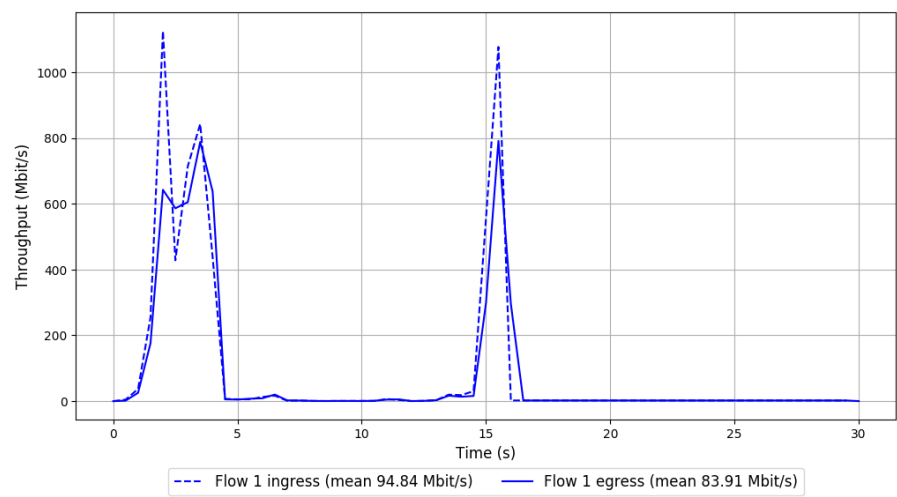
-- Flow 1:

Average throughput: 83.91 Mbit/s

95th percentile per-packet one-way delay: 355.998 ms

Loss rate: 11.52%

Run 10: Report of FillP — Data Link

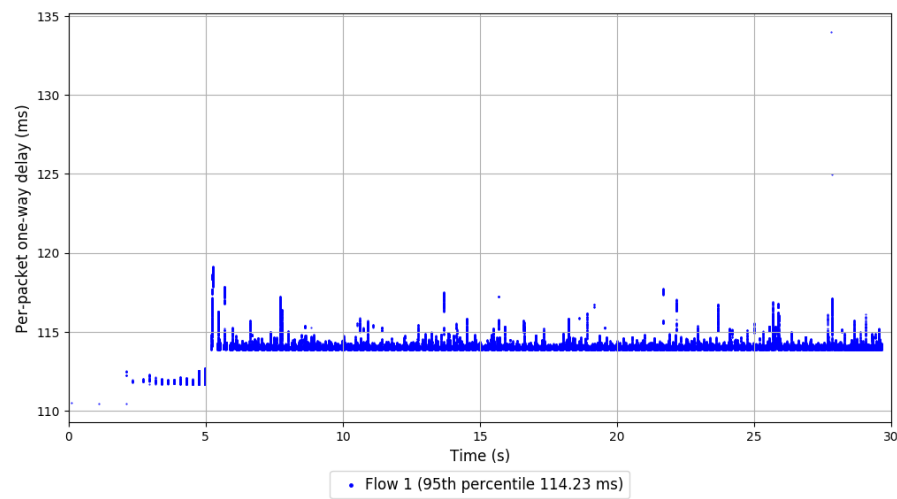
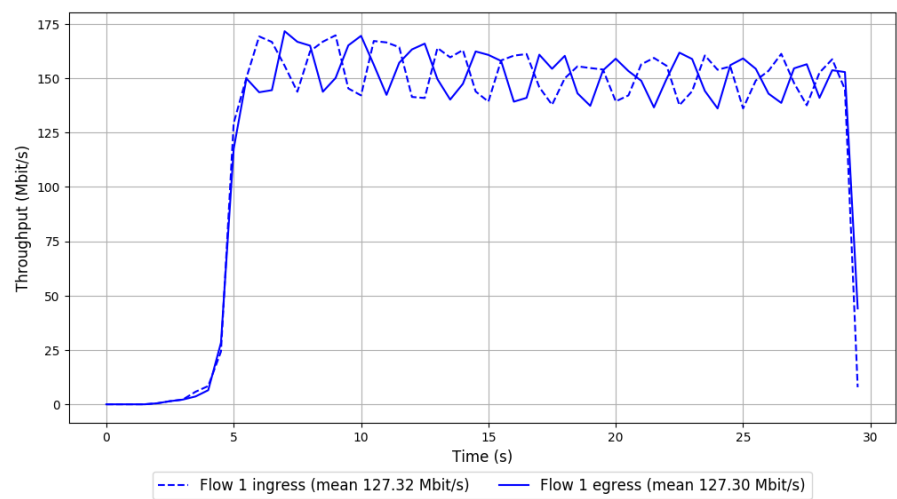


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-04-03 02:13:29
End at: 2018-04-03 02:13:59

# Below is generated by plot.py at 2018-04-03 07:00:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 127.30 Mbit/s
95th percentile per-packet one-way delay: 114.232 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 127.30 Mbit/s
95th percentile per-packet one-way delay: 114.232 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 02:28:49

End at: 2018-04-03 02:29:19

Below is generated by plot.py at 2018-04-03 07:00:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 159.23 Mbit/s

95th percentile per-packet one-way delay: 113.837 ms

Loss rate: 0.00%

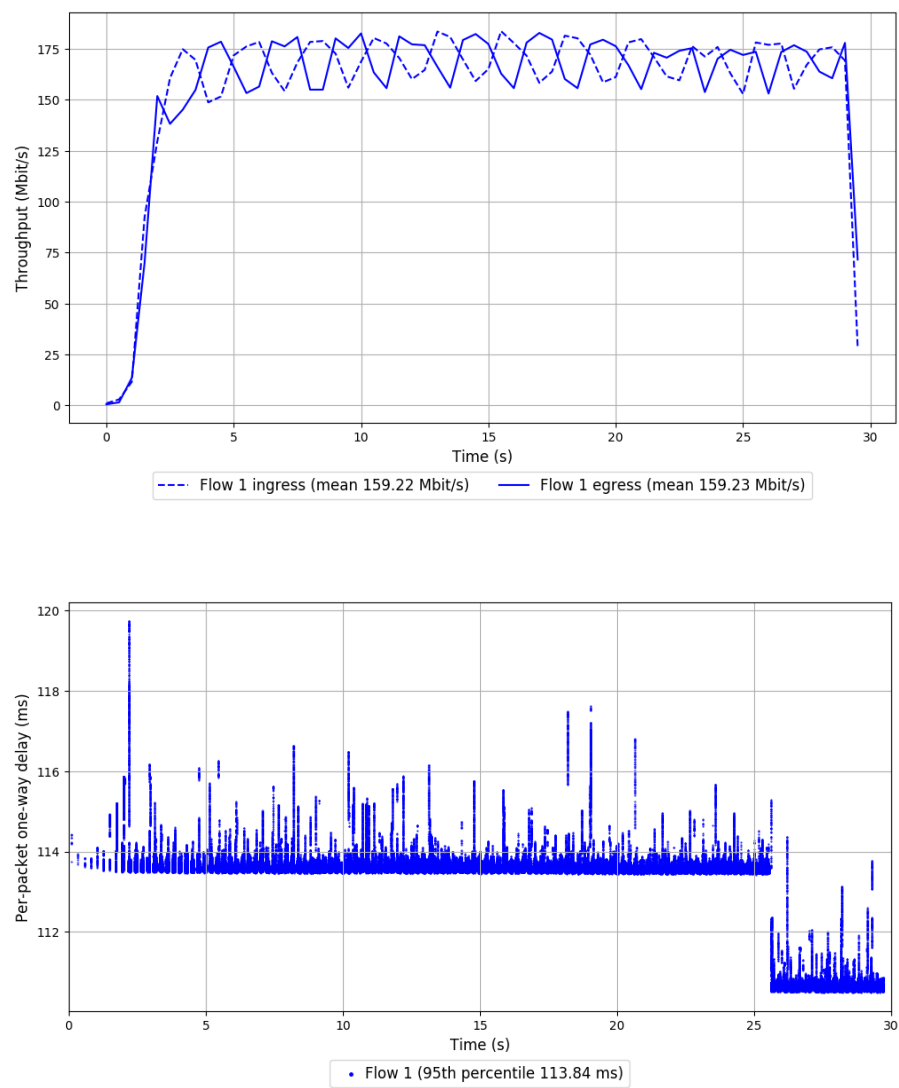
-- Flow 1:

Average throughput: 159.23 Mbit/s

95th percentile per-packet one-way delay: 113.837 ms

Loss rate: 0.00%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-04-03 02:44:16

End at: 2018-04-03 02:44:46

Below is generated by plot.py at 2018-04-03 07:00:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 156.20 Mbit/s

95th percentile per-packet one-way delay: 111.301 ms

Loss rate: 0.00%

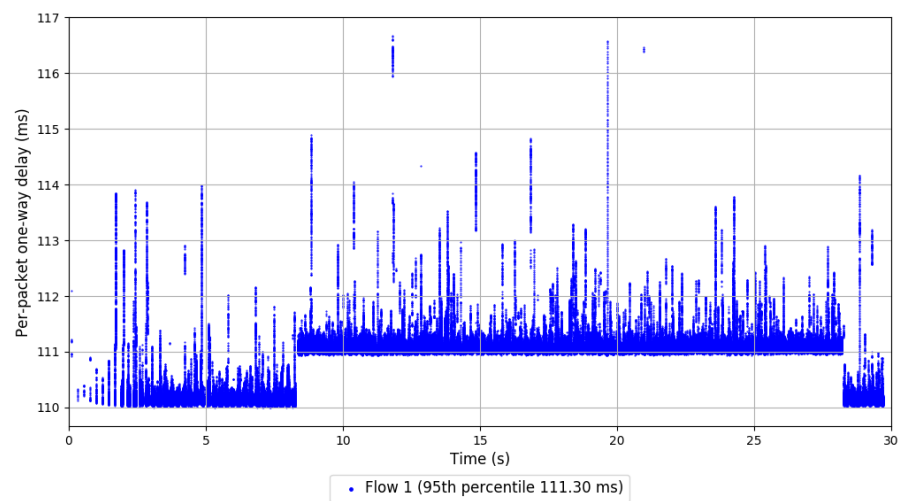
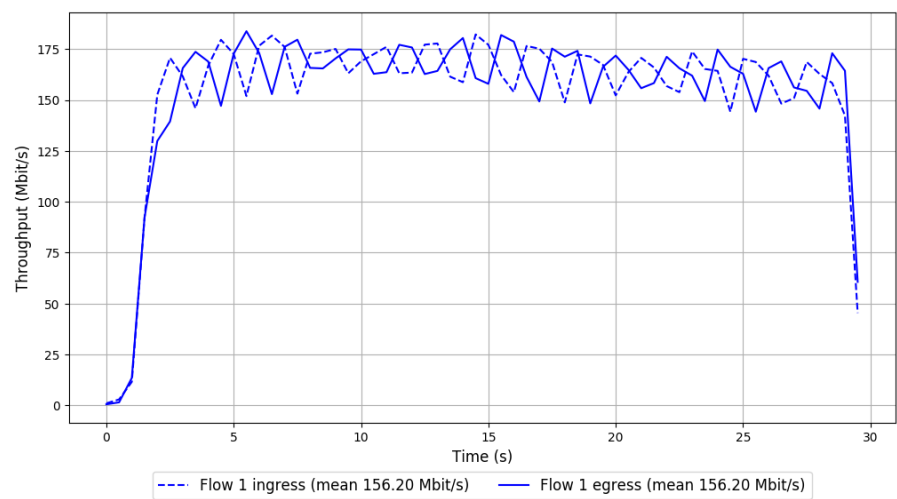
-- Flow 1:

Average throughput: 156.20 Mbit/s

95th percentile per-packet one-way delay: 111.301 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 02:59:49

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

Below is generated by plot.py at 2018-04-03 07:00:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.30 Mbit/s

95th percentile per-packet one-way delay: 112.502 ms

Loss rate: 0.00%

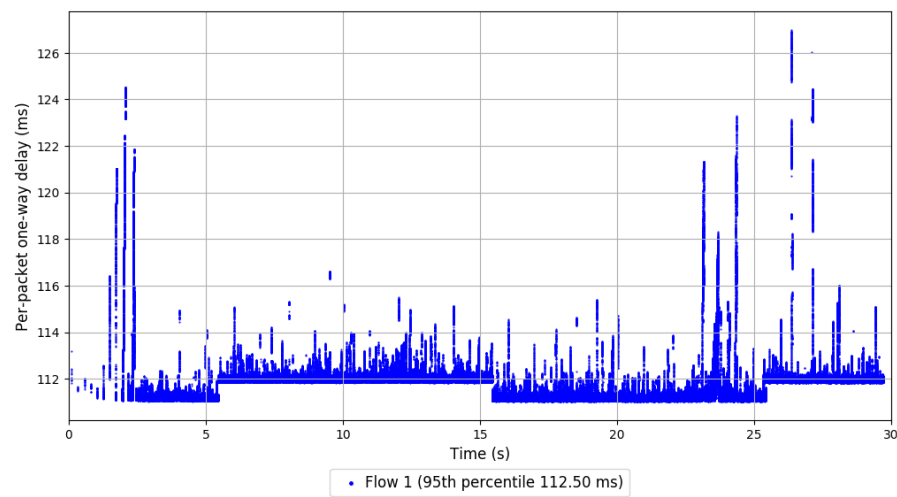
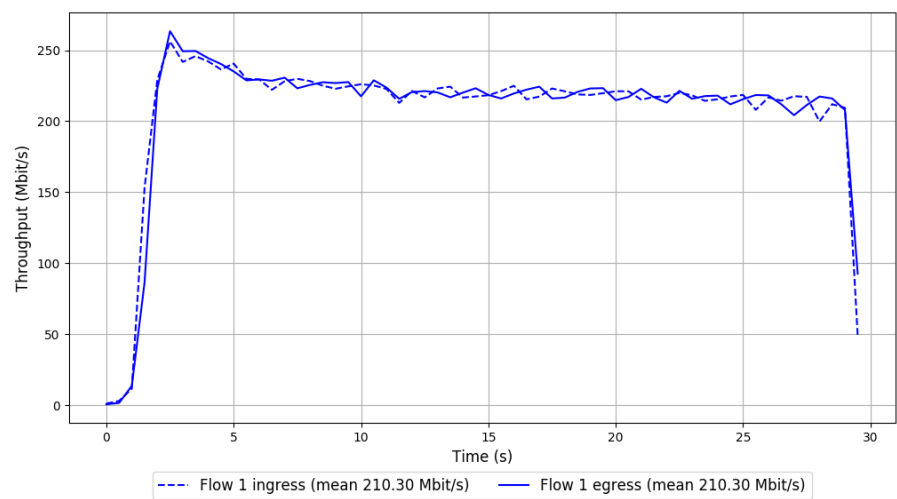
-- Flow 1:

Average throughput: 210.30 Mbit/s

95th percentile per-packet one-way delay: 112.502 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 03:15:20

End at: 2018-04-03 03:15:50

Below is generated by plot.py at 2018-04-03 07:00:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 147.07 Mbit/s

95th percentile per-packet one-way delay: 112.499 ms

Loss rate: 0.00%

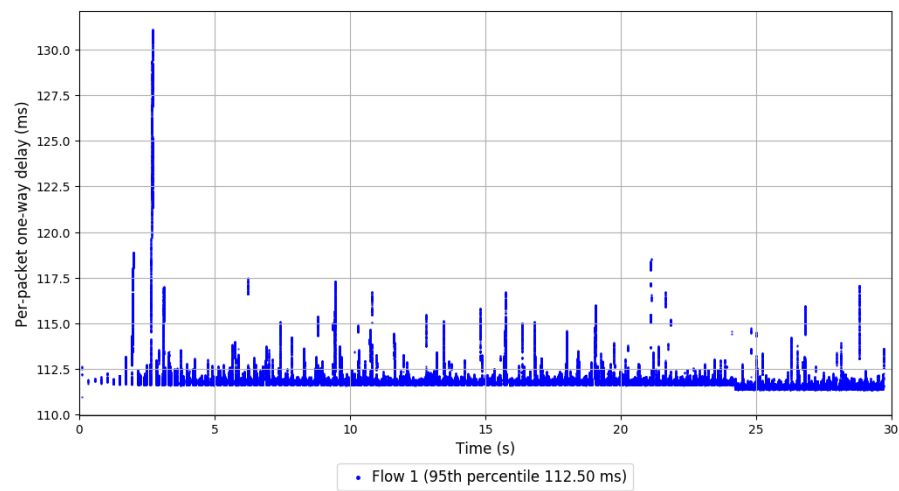
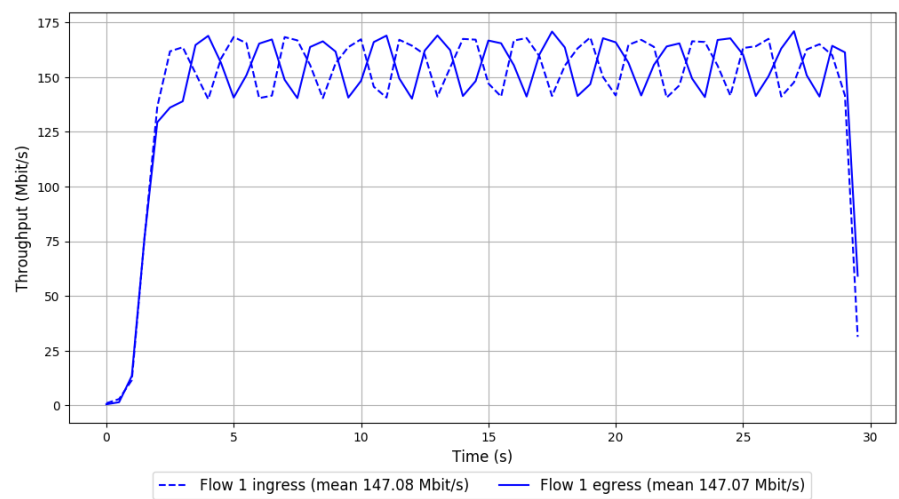
-- Flow 1:

Average throughput: 147.07 Mbit/s

95th percentile per-packet one-way delay: 112.499 ms

Loss rate: 0.00%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-04-03 03:30:39

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

Below is generated by plot.py at 2018-04-03 07:00:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.36 Mbit/s

95th percentile per-packet one-way delay: 112.566 ms

Loss rate: 0.00%

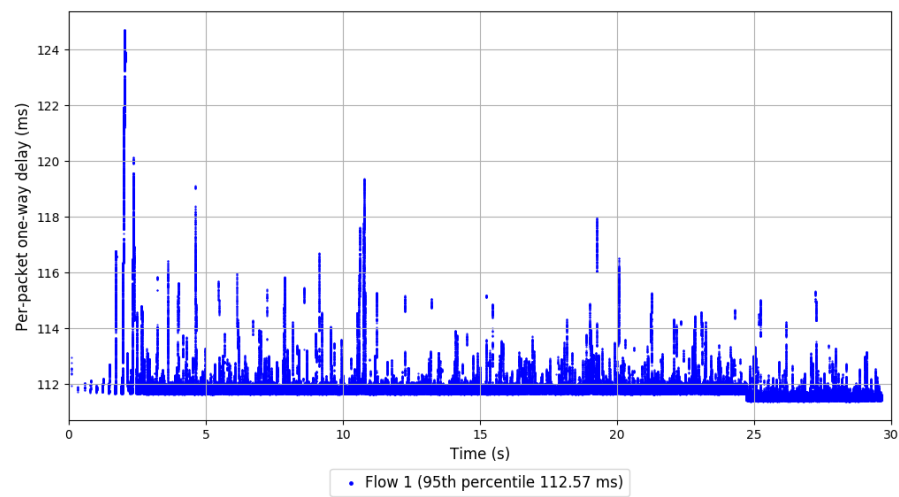
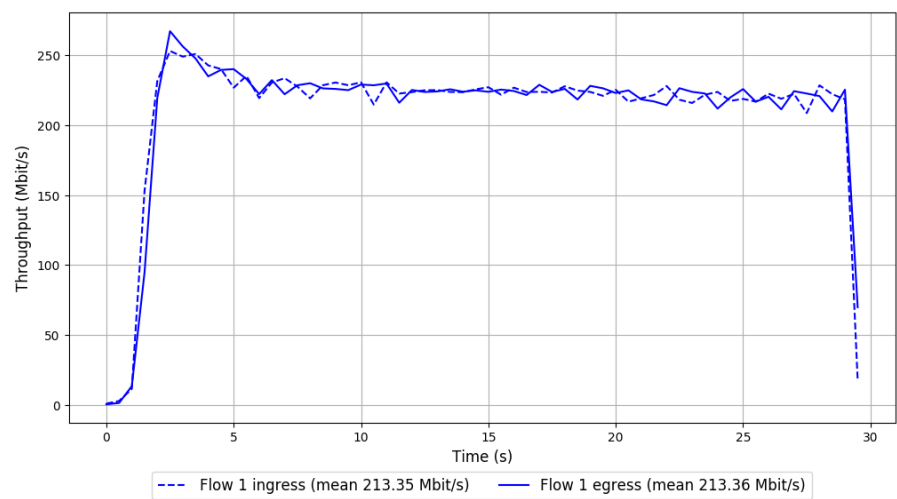
-- Flow 1:

Average throughput: 213.36 Mbit/s

95th percentile per-packet one-way delay: 112.566 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 03:46:23

End at: 2018-04-03 03:46:53

Below is generated by plot.py at 2018-04-03 07:00:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 147.03 Mbit/s

95th percentile per-packet one-way delay: 112.910 ms

Loss rate: 0.00%

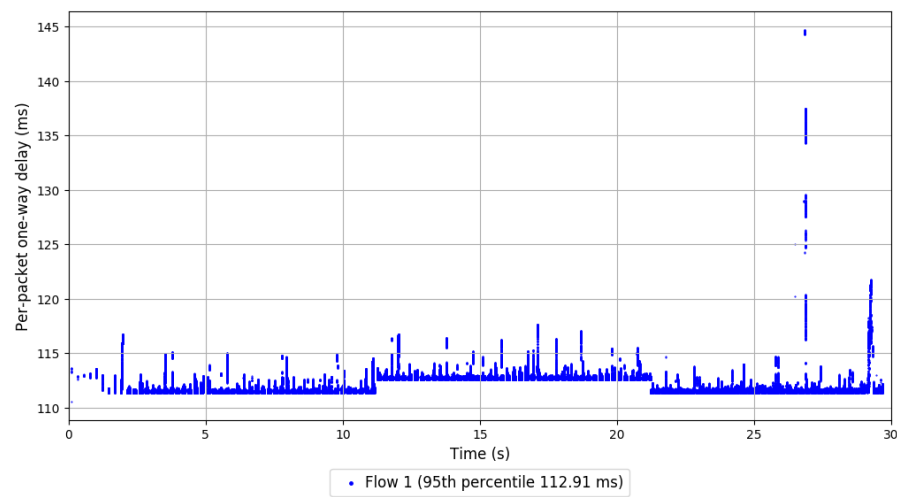
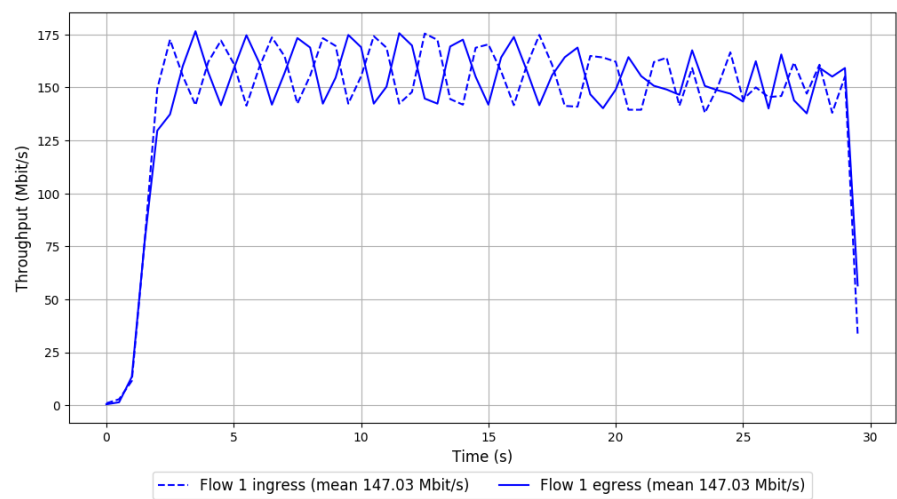
-- Flow 1:

Average throughput: 147.03 Mbit/s

95th percentile per-packet one-way delay: 112.910 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 04:02:07

End at: 2018-04-03 04:02:37

Below is generated by plot.py at 2018-04-03 07:00:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 145.28 Mbit/s

95th percentile per-packet one-way delay: 113.008 ms

Loss rate: 0.00%

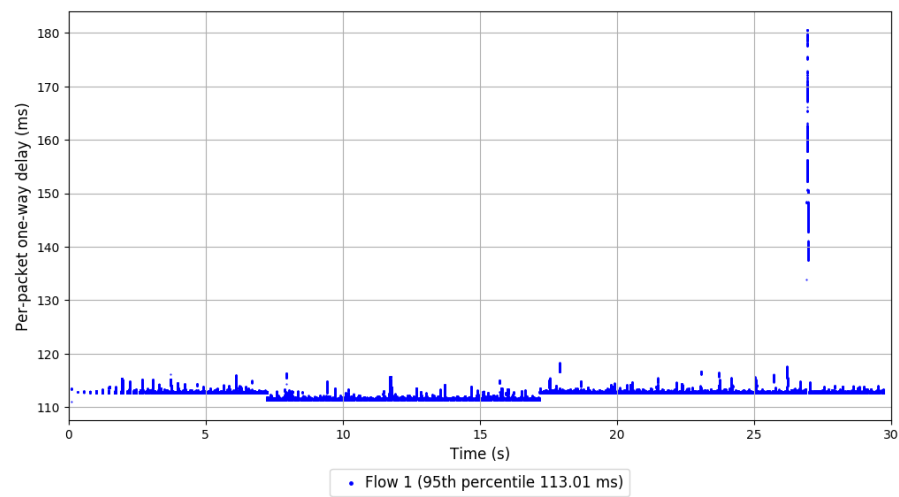
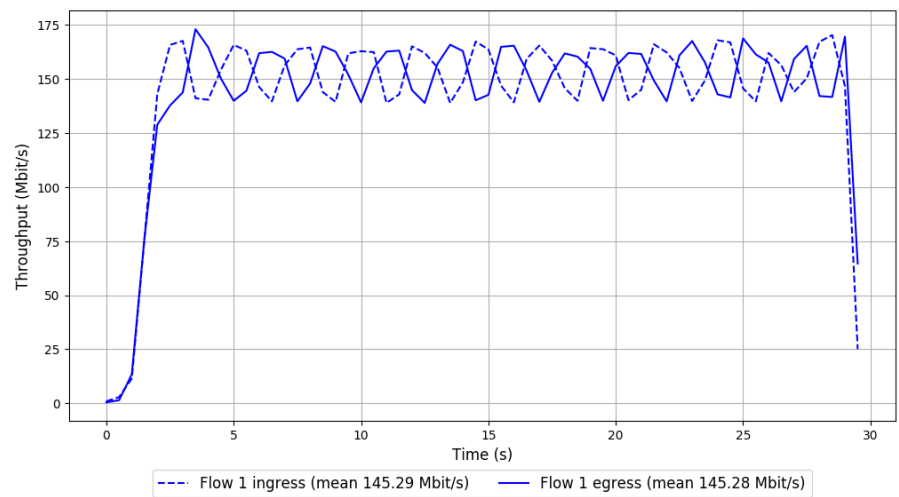
-- Flow 1:

Average throughput: 145.28 Mbit/s

95th percentile per-packet one-way delay: 113.008 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 04:17:43

End at: 2018-04-03 04:18:13

Below is generated by plot.py at 2018-04-03 07:00:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.89 Mbit/s

95th percentile per-packet one-way delay: 112.866 ms

Loss rate: 0.00%

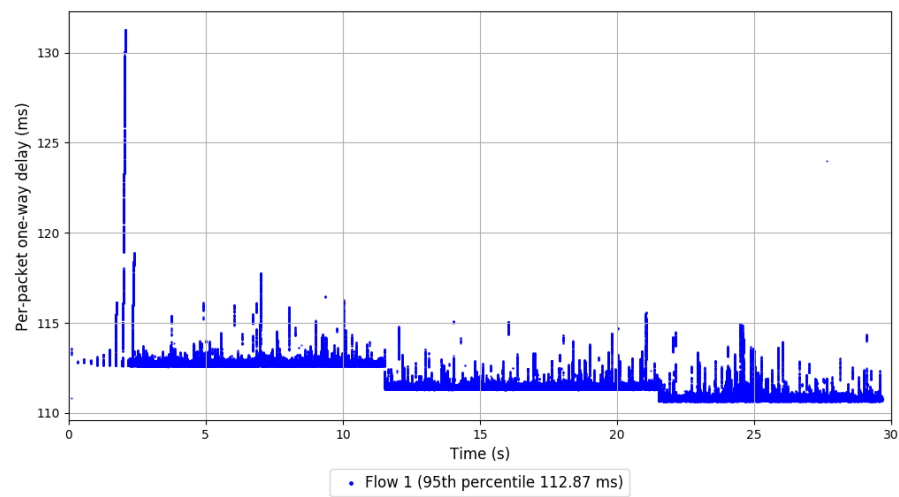
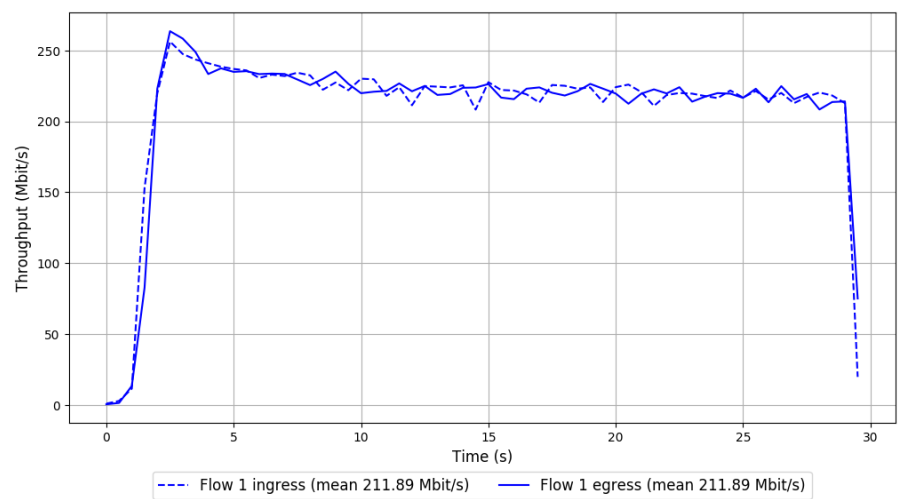
-- Flow 1:

Average throughput: 211.89 Mbit/s

95th percentile per-packet one-way delay: 112.866 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 04:33:22

End at: 2018-04-03 04:33:52

Below is generated by plot.py at 2018-04-03 07:00:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 149.28 Mbit/s

95th percentile per-packet one-way delay: 111.523 ms

Loss rate: 0.00%

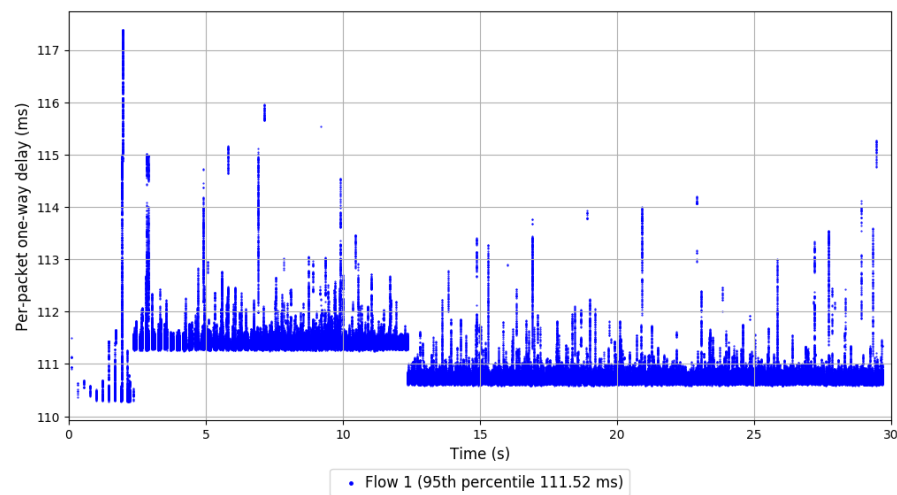
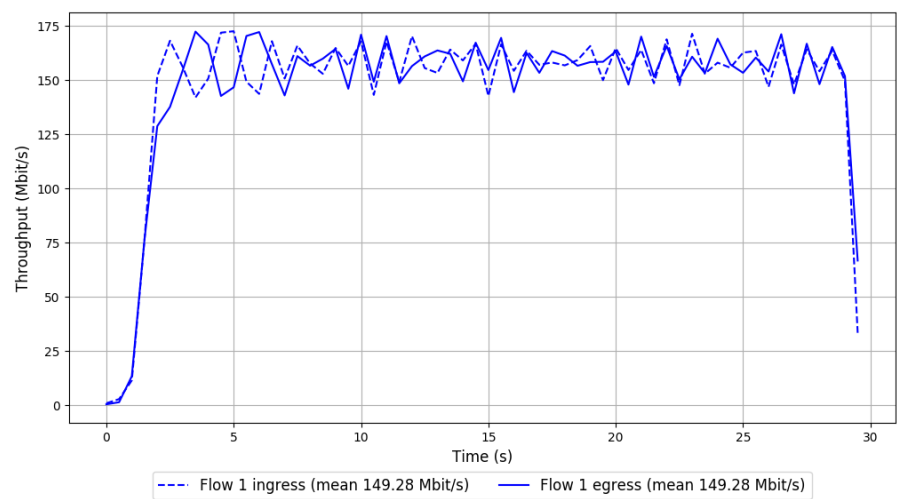
-- Flow 1:

Average throughput: 149.28 Mbit/s

95th percentile per-packet one-way delay: 111.523 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 02:22:15

End at: 2018-04-03 02:22:45

Below is generated by plot.py at 2018-04-03 07:00:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 275.31 Mbit/s

95th percentile per-packet one-way delay: 114.477 ms

Loss rate: 0.01%

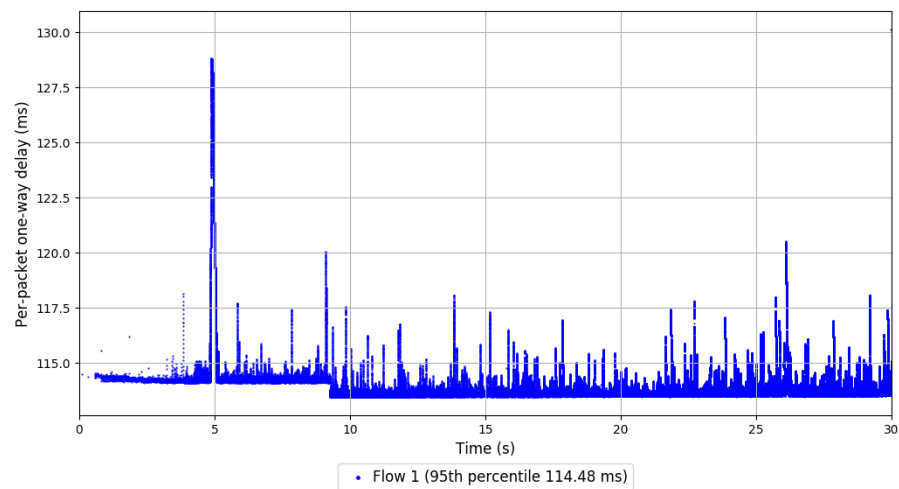
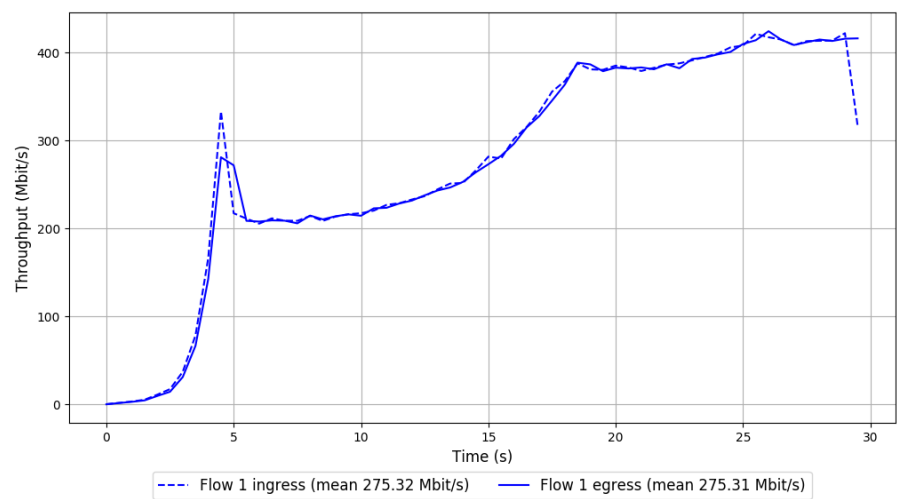
-- Flow 1:

Average throughput: 275.31 Mbit/s

95th percentile per-packet one-way delay: 114.477 ms

Loss rate: 0.01%

Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-04-03 02:37:41

End at: 2018-04-03 02:38:11

Below is generated by plot.py at 2018-04-03 07:00:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 335.29 Mbit/s

95th percentile per-packet one-way delay: 184.267 ms

Loss rate: 0.00%

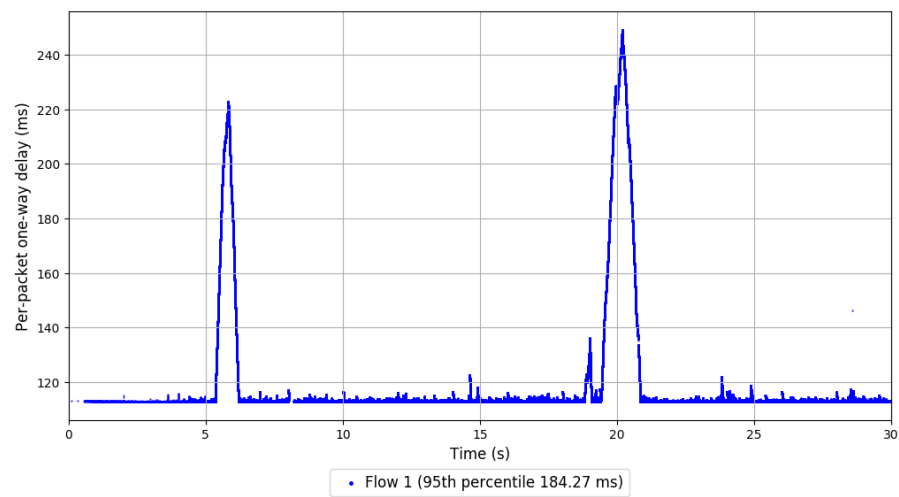
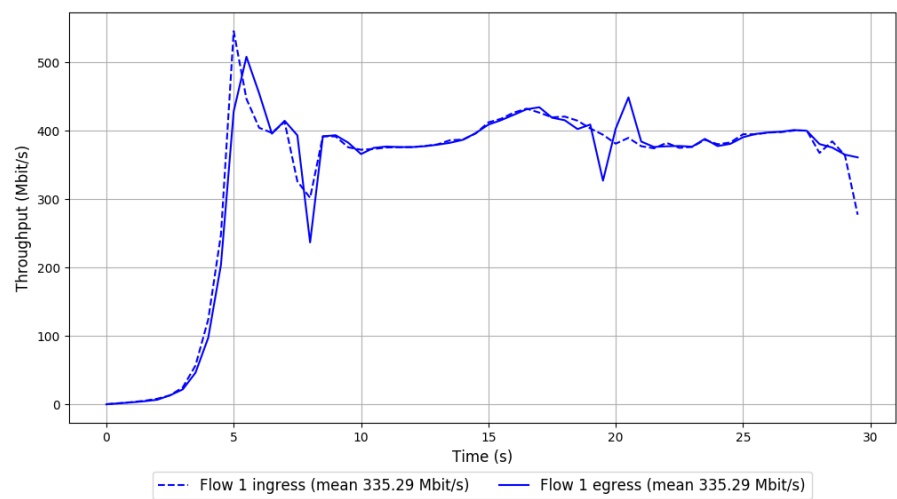
-- Flow 1:

Average throughput: 335.29 Mbit/s

95th percentile per-packet one-way delay: 184.267 ms

Loss rate: 0.00%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-04-03 02:53:04

End at: 2018-04-03 02:53:34

Below is generated by plot.py at 2018-04-03 07:00:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 265.05 Mbit/s

95th percentile per-packet one-way delay: 112.648 ms

Loss rate: 0.00%

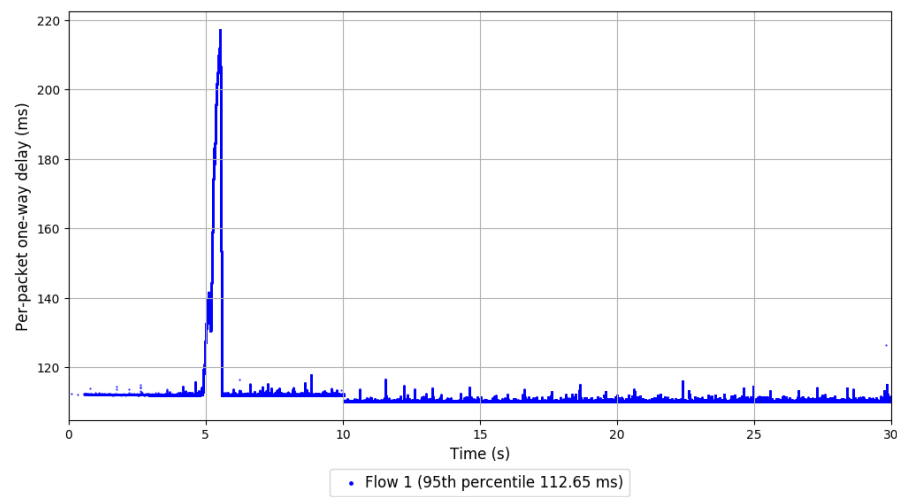
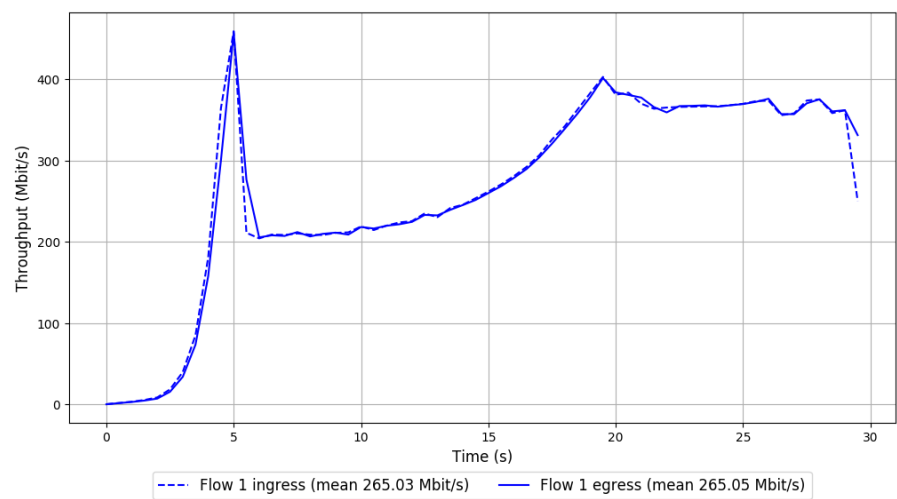
-- Flow 1:

Average throughput: 265.05 Mbit/s

95th percentile per-packet one-way delay: 112.648 ms

Loss rate: 0.00%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

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

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

Below is generated by plot.py at 2018-04-03 07:00:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 344.29 Mbit/s

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

Loss rate: 0.00%

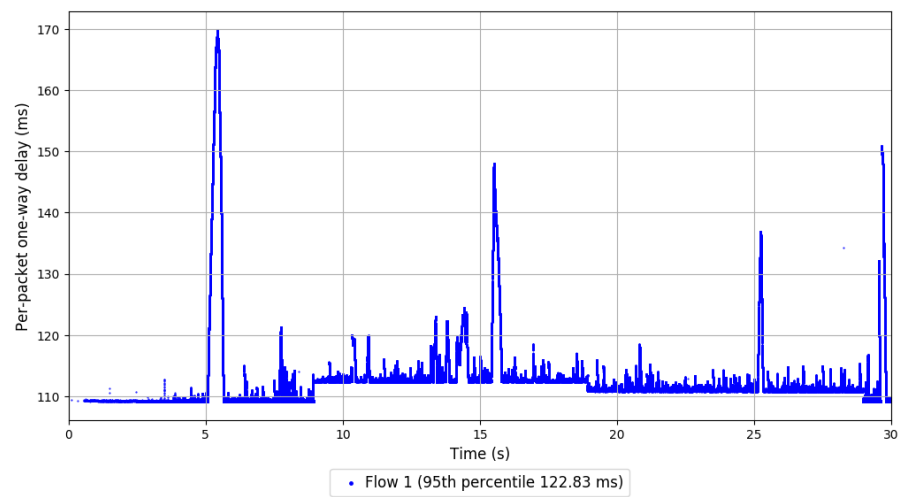
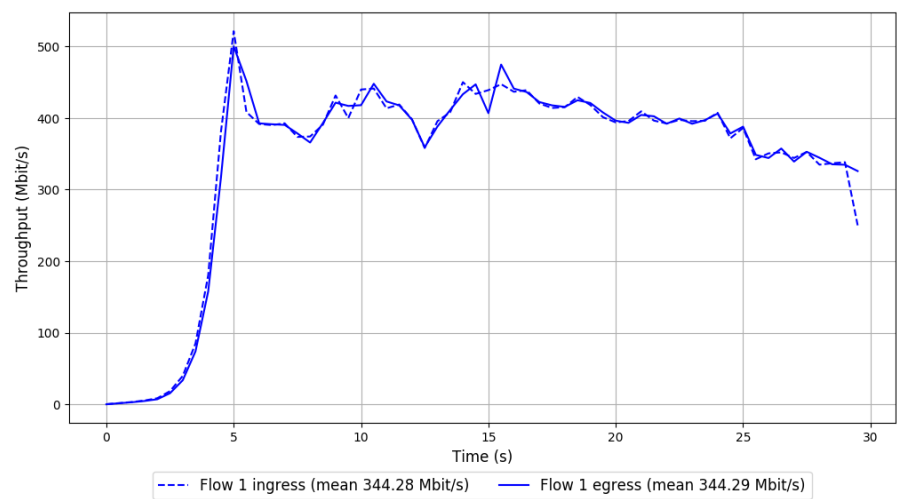
-- Flow 1:

Average throughput: 344.29 Mbit/s

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

Loss rate: 0.00%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

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

End at: 2018-04-03 03:24:35

Below is generated by plot.py at 2018-04-03 07:00:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 354.17 Mbit/s

95th percentile per-packet one-way delay: 115.047 ms

Loss rate: 0.00%

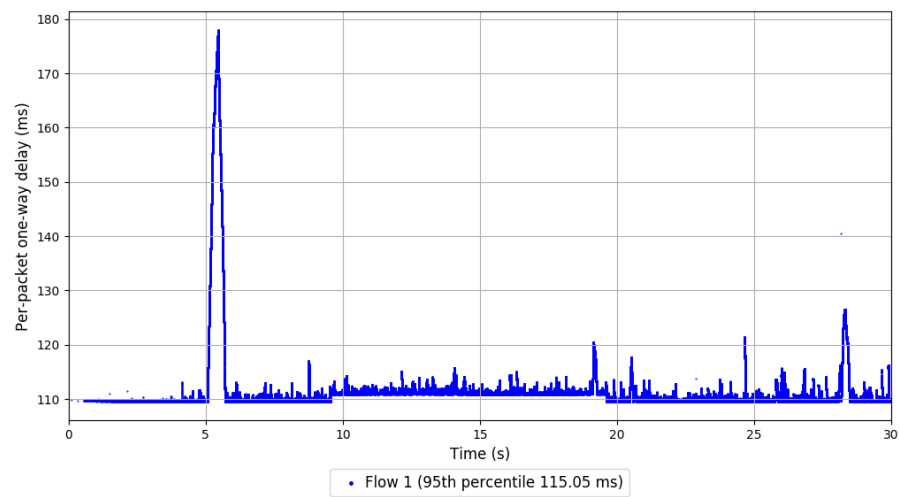
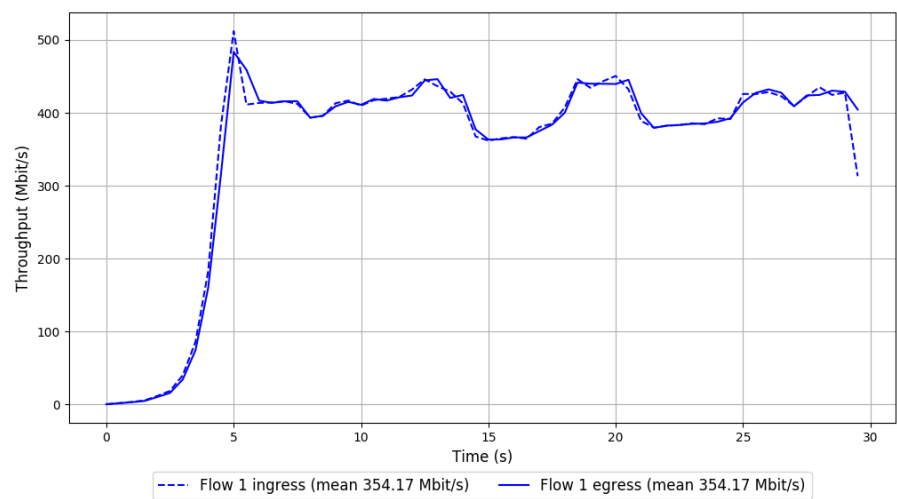
-- Flow 1:

Average throughput: 354.17 Mbit/s

95th percentile per-packet one-way delay: 115.047 ms

Loss rate: 0.00%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-04-03 03:39:44

End at: 2018-04-03 03:40:14

Below is generated by plot.py at 2018-04-03 07:00:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 364.41 Mbit/s

95th percentile per-packet one-way delay: 121.955 ms

Loss rate: 0.14%

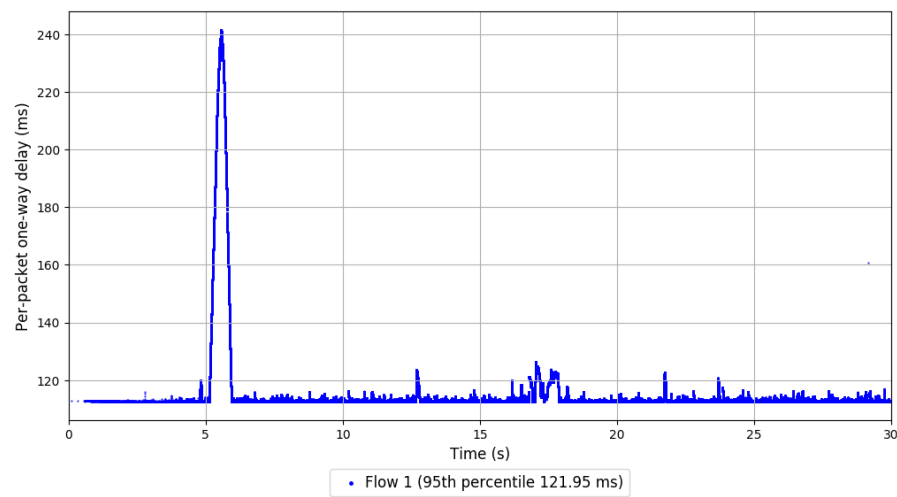
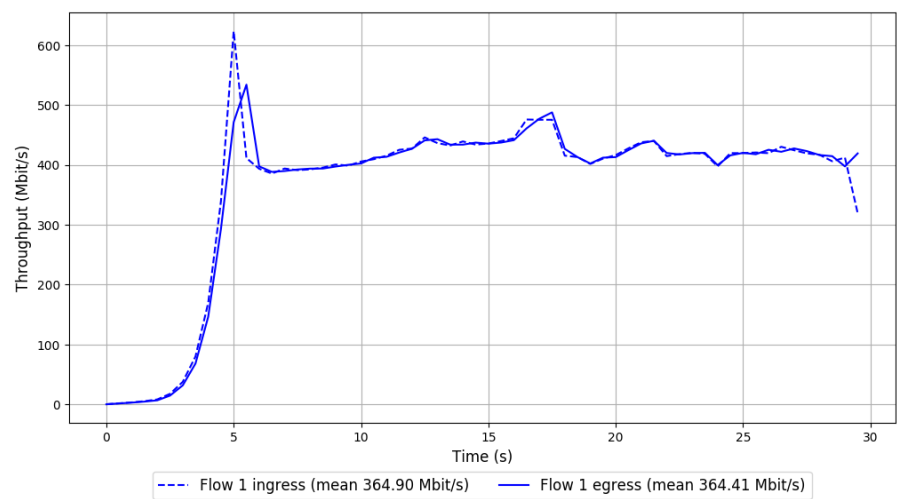
-- Flow 1:

Average throughput: 364.41 Mbit/s

95th percentile per-packet one-way delay: 121.955 ms

Loss rate: 0.14%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-04-03 03:55:16

End at: 2018-04-03 03:55:46

Below is generated by plot.py at 2018-04-03 07:00:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 319.04 Mbit/s

95th percentile per-packet one-way delay: 115.728 ms

Loss rate: 0.00%

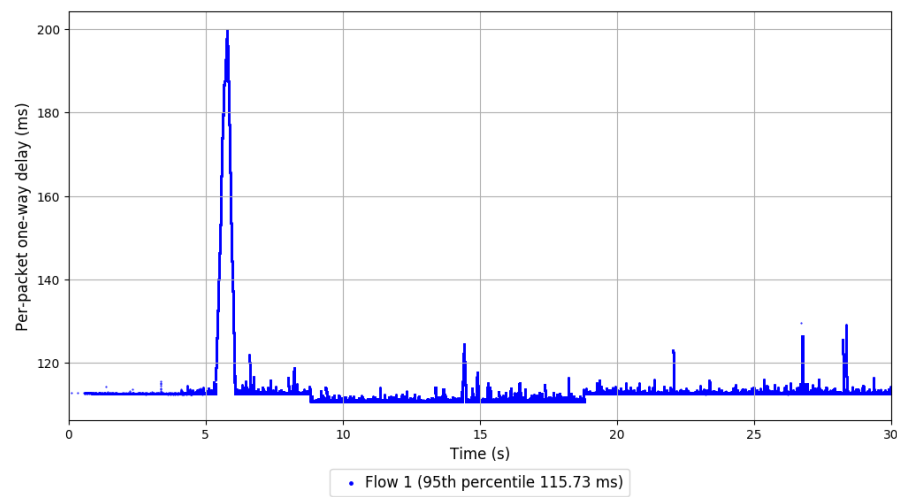
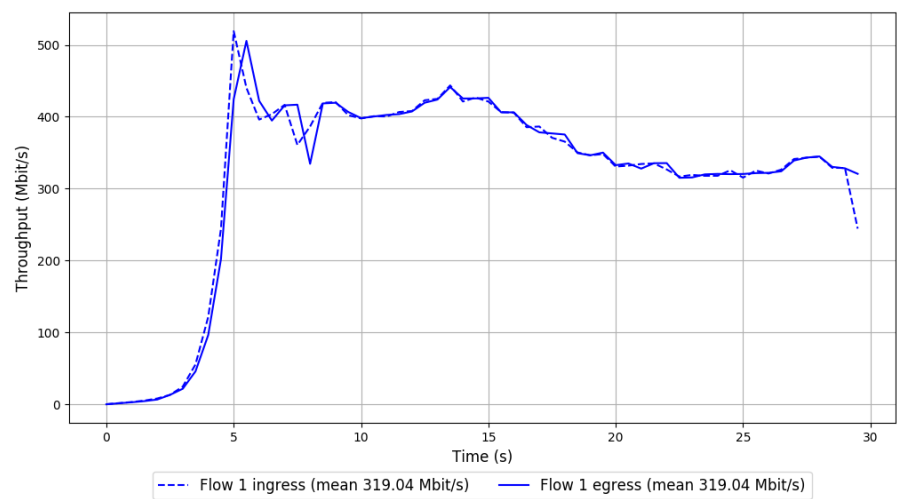
-- Flow 1:

Average throughput: 319.04 Mbit/s

95th percentile per-packet one-way delay: 115.728 ms

Loss rate: 0.00%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

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

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

Below is generated by plot.py at 2018-04-03 07:00:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 304.06 Mbit/s

95th percentile per-packet one-way delay: 126.434 ms

Loss rate: 0.03%

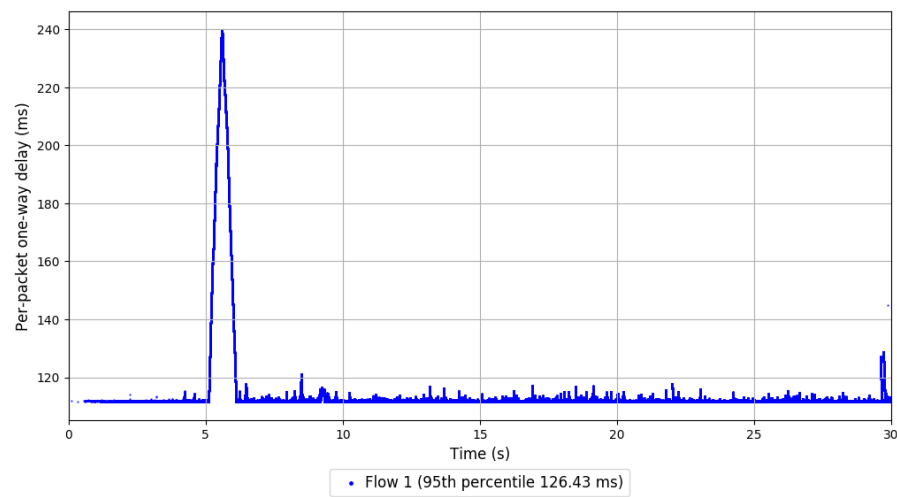
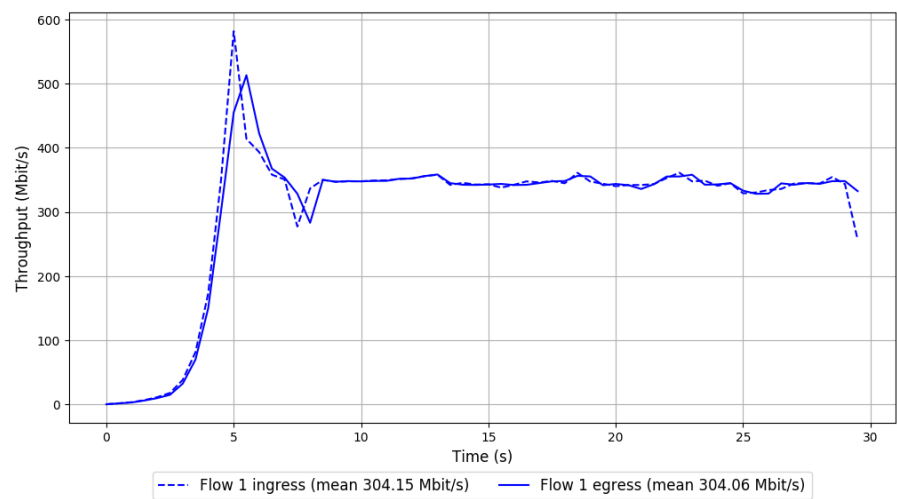
-- Flow 1:

Average throughput: 304.06 Mbit/s

95th percentile per-packet one-way delay: 126.434 ms

Loss rate: 0.03%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-04-03 04:26:41

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

Below is generated by plot.py at 2018-04-03 07:01:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 322.73 Mbit/s

95th percentile per-packet one-way delay: 121.645 ms

Loss rate: 0.01%

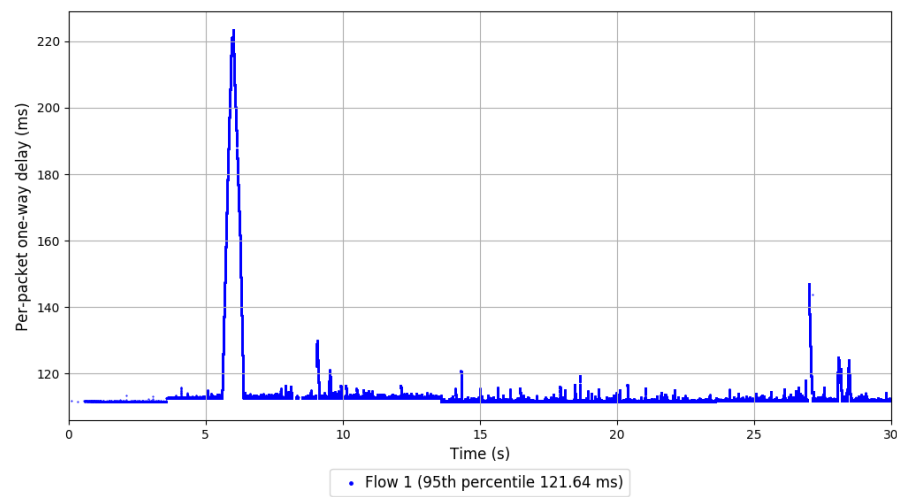
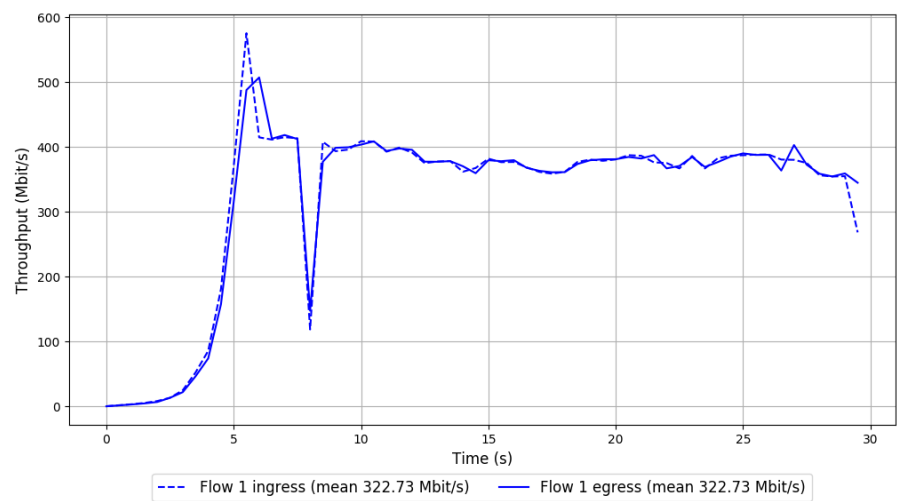
-- Flow 1:

Average throughput: 322.73 Mbit/s

95th percentile per-packet one-way delay: 121.645 ms

Loss rate: 0.01%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-04-03 04:41:40

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

Below is generated by plot.py at 2018-04-03 07:02:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 339.19 Mbit/s

95th percentile per-packet one-way delay: 115.432 ms

Loss rate: 0.00%

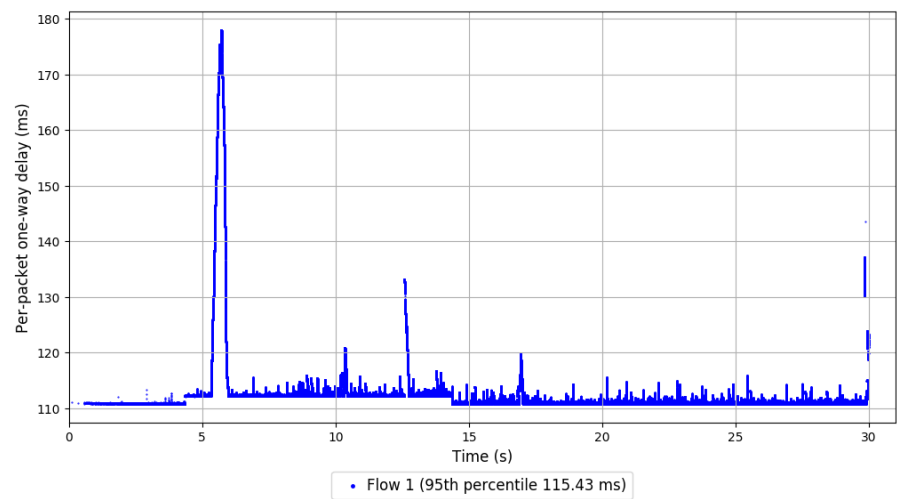
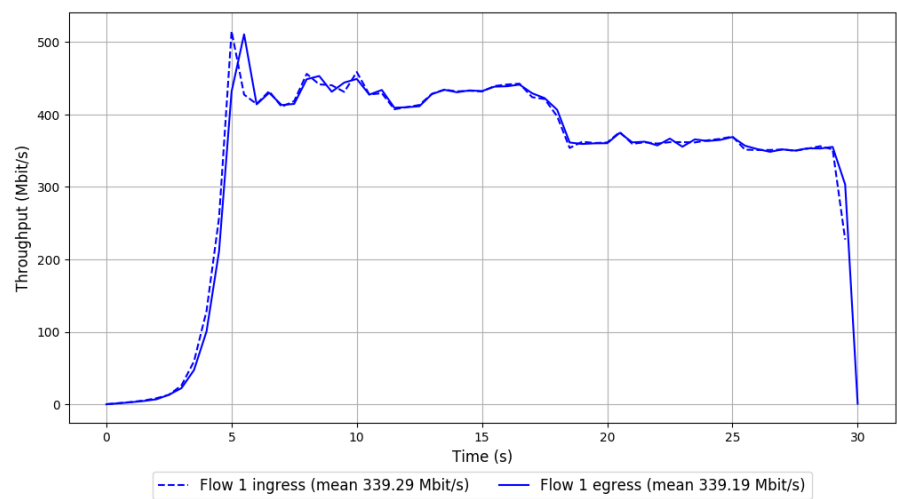
-- Flow 1:

Average throughput: 339.19 Mbit/s

95th percentile per-packet one-way delay: 115.432 ms

Loss rate: 0.00%

Run 10: Report of Vivace-latency — Data Link

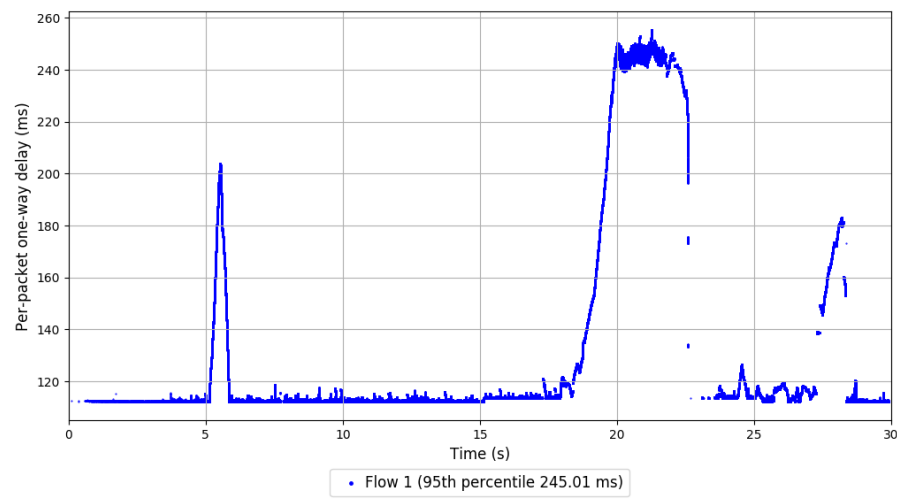
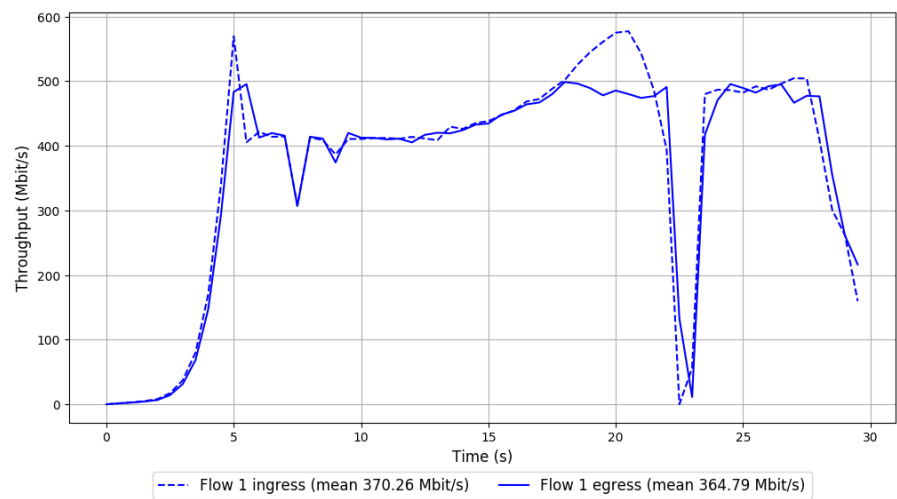


```
Run 1: Statistics of Vivace-loss

Start at: 2018-04-03 02:18:09
End at: 2018-04-03 02:18:39

# Below is generated by plot.py at 2018-04-03 07:04:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 364.79 Mbit/s
95th percentile per-packet one-way delay: 245.007 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 364.79 Mbit/s
95th percentile per-packet one-way delay: 245.007 ms
Loss rate: 1.48%
```

Run 1: Report of Vivace-loss — Data Link

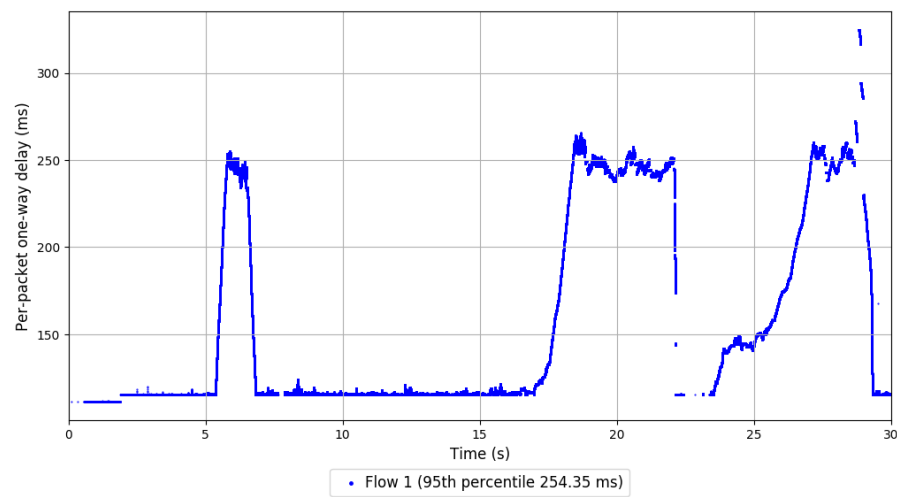
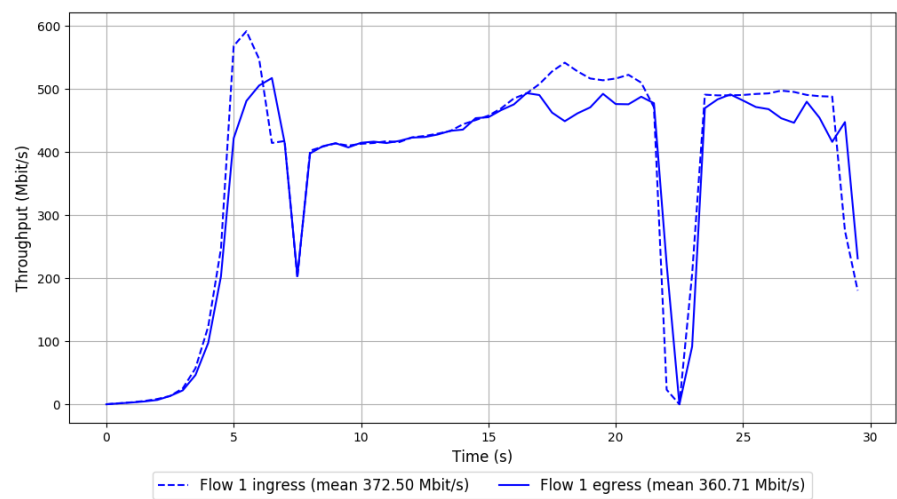


```
Run 2: Statistics of Vivace-loss

Start at: 2018-04-03 02:33:33
End at: 2018-04-03 02:34:03

# Below is generated by plot.py at 2018-04-03 07:04:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 360.71 Mbit/s
95th percentile per-packet one-way delay: 254.355 ms
Loss rate: 3.16%
-- Flow 1:
Average throughput: 360.71 Mbit/s
95th percentile per-packet one-way delay: 254.355 ms
Loss rate: 3.16%
```

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-04-03 02:48:59

End at: 2018-04-03 02:49:29

Below is generated by plot.py at 2018-04-03 07:05:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 376.23 Mbit/s

95th percentile per-packet one-way delay: 247.991 ms

Loss rate: 2.32%

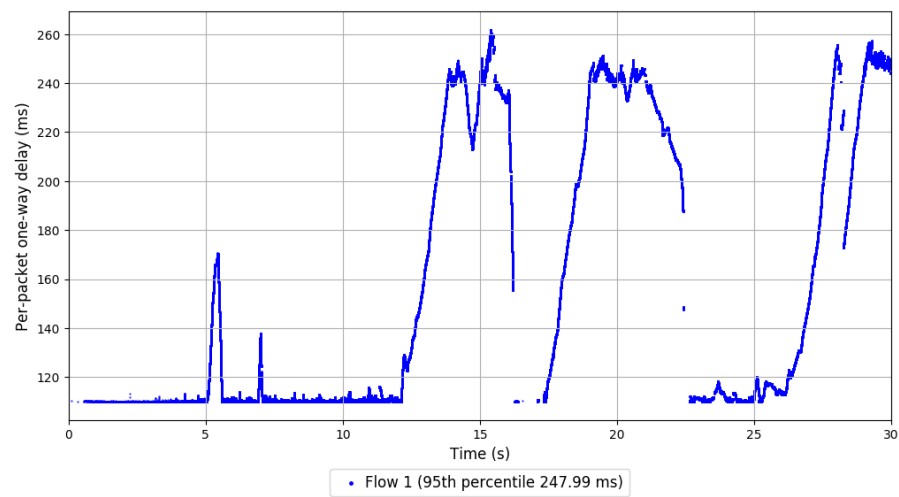
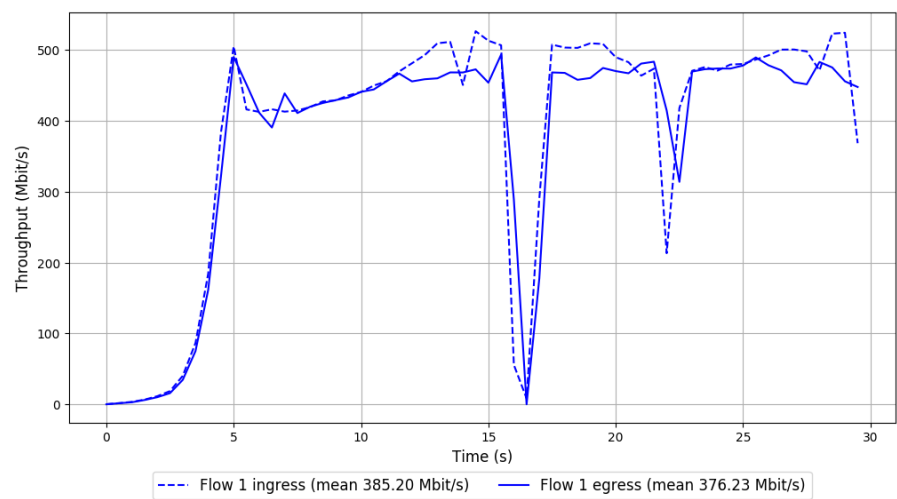
-- Flow 1:

Average throughput: 376.23 Mbit/s

95th percentile per-packet one-way delay: 247.991 ms

Loss rate: 2.32%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

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

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

Below is generated by plot.py at 2018-04-03 07:05:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 357.10 Mbit/s

95th percentile per-packet one-way delay: 247.245 ms

Loss rate: 0.81%

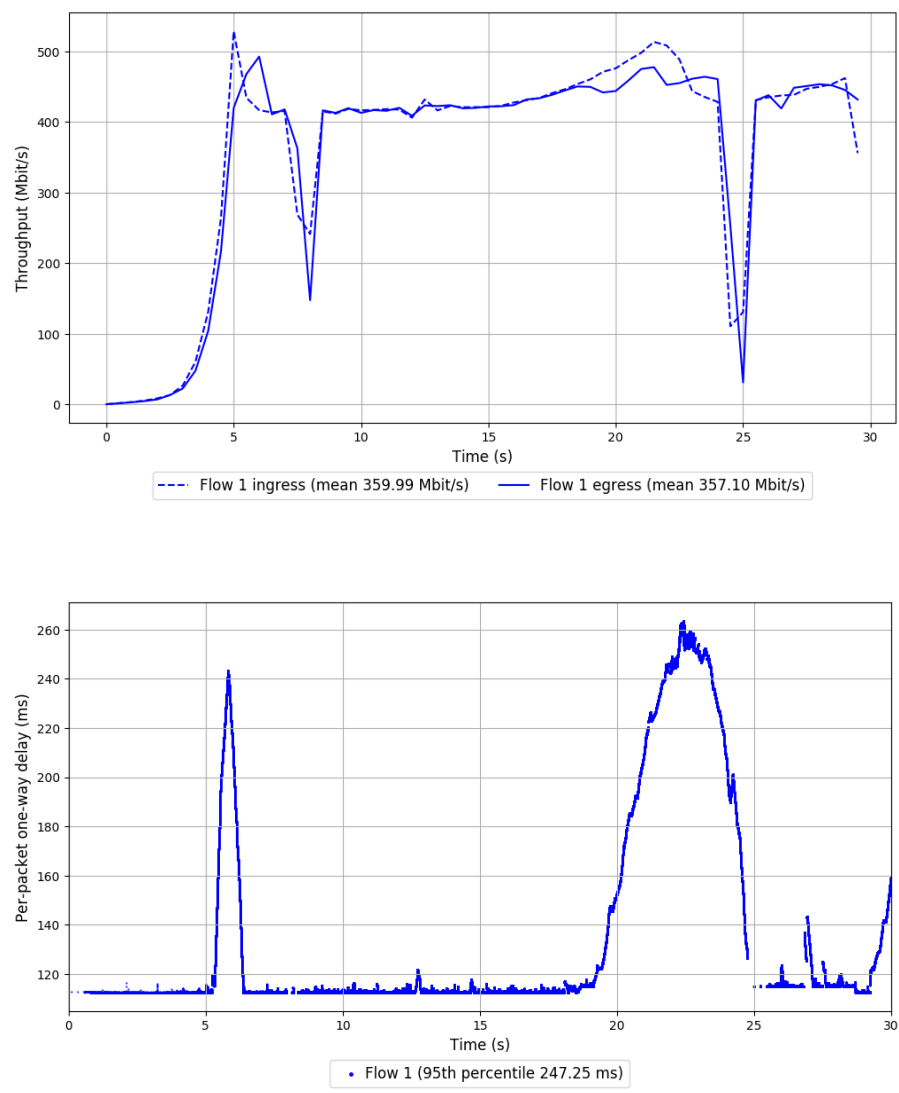
-- Flow 1:

Average throughput: 357.10 Mbit/s

95th percentile per-packet one-way delay: 247.245 ms

Loss rate: 0.81%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

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

End at: 2018-04-03 03:20:32

Below is generated by plot.py at 2018-04-03 07:05:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 278.84 Mbit/s

95th percentile per-packet one-way delay: 251.398 ms

Loss rate: 3.32%

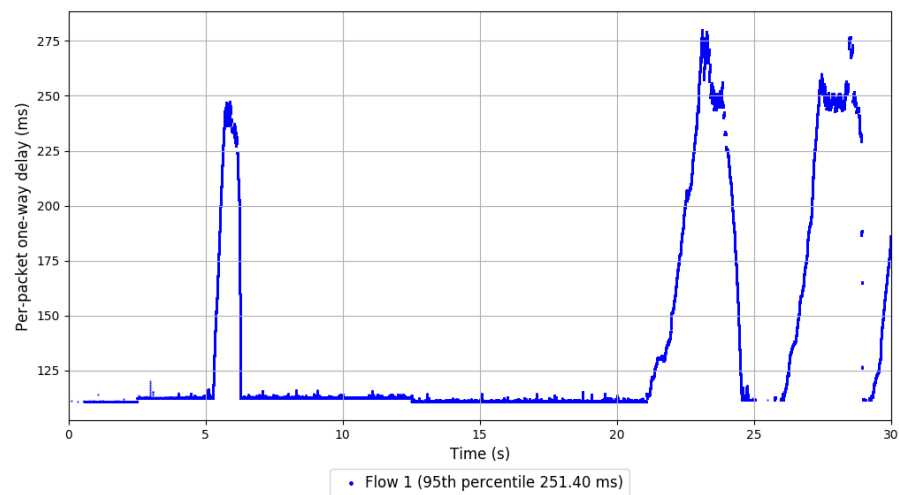
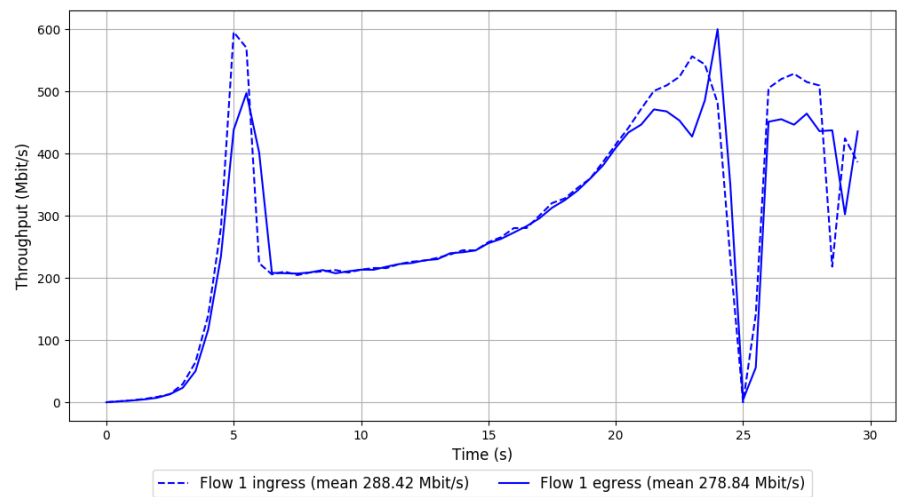
-- Flow 1:

Average throughput: 278.84 Mbit/s

95th percentile per-packet one-way delay: 251.398 ms

Loss rate: 3.32%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-04-03 03:35:26

End at: 2018-04-03 03:35:56

Below is generated by plot.py at 2018-04-03 07:08:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 398.98 Mbit/s

95th percentile per-packet one-way delay: 242.900 ms

Loss rate: 1.54%

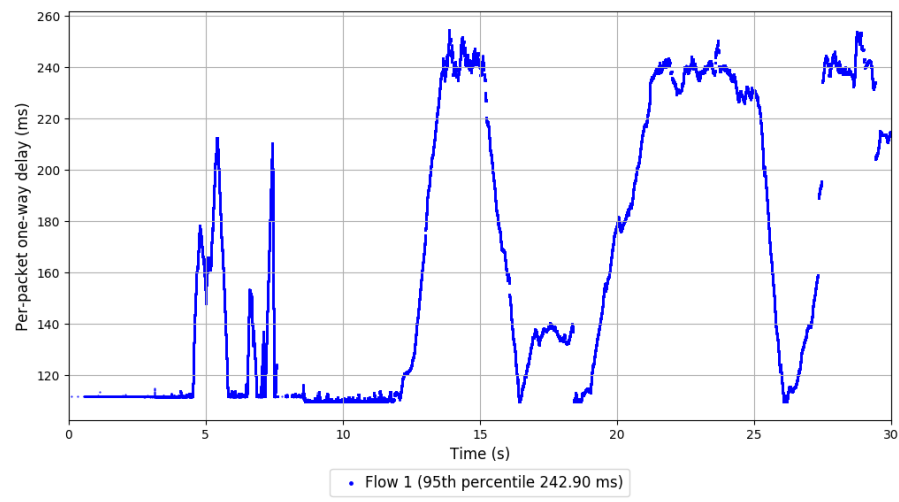
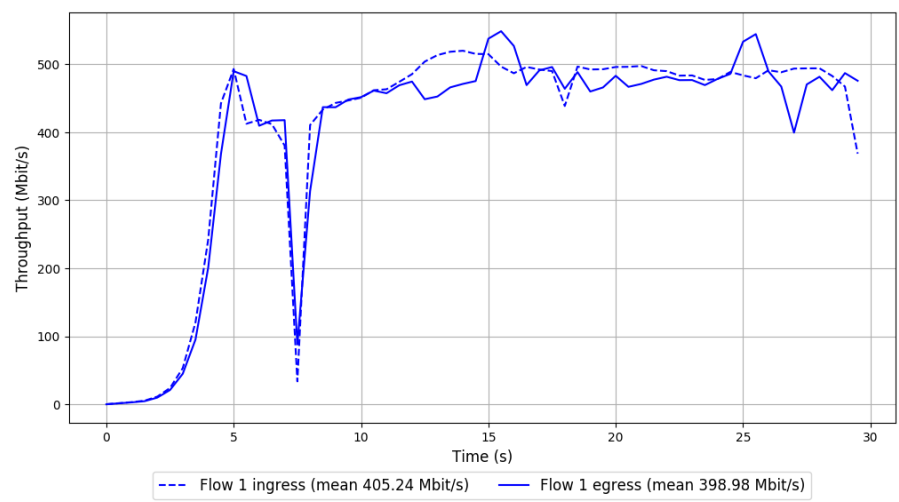
-- Flow 1:

Average throughput: 398.98 Mbit/s

95th percentile per-packet one-way delay: 242.900 ms

Loss rate: 1.54%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

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

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

Below is generated by plot.py at 2018-04-03 07:08:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 354.74 Mbit/s

95th percentile per-packet one-way delay: 246.641 ms

Loss rate: 1.78%

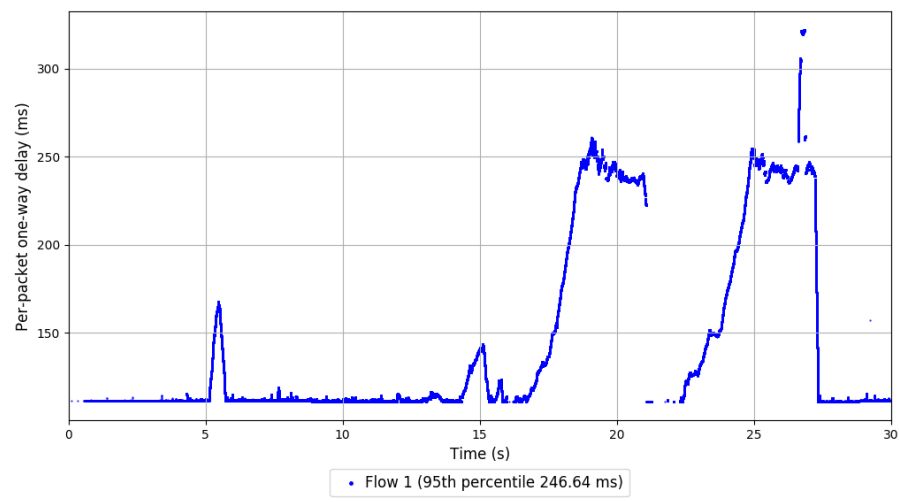
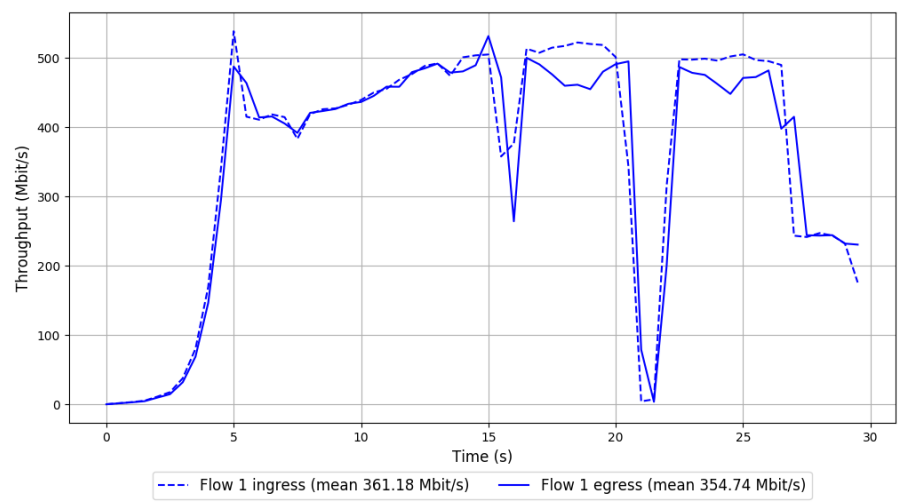
-- Flow 1:

Average throughput: 354.74 Mbit/s

95th percentile per-packet one-way delay: 246.641 ms

Loss rate: 1.78%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

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

End at: 2018-04-03 04:07:19

Below is generated by plot.py at 2018-04-03 07:09:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 368.11 Mbit/s

95th percentile per-packet one-way delay: 242.823 ms

Loss rate: 2.62%

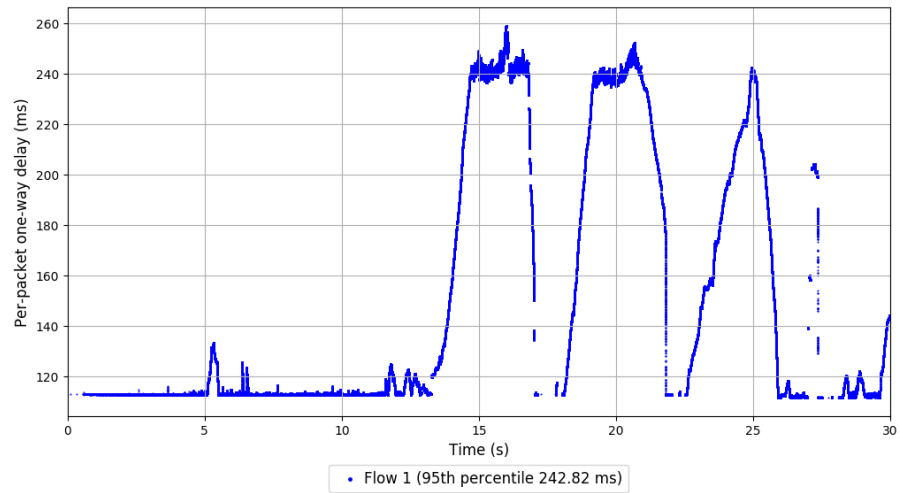
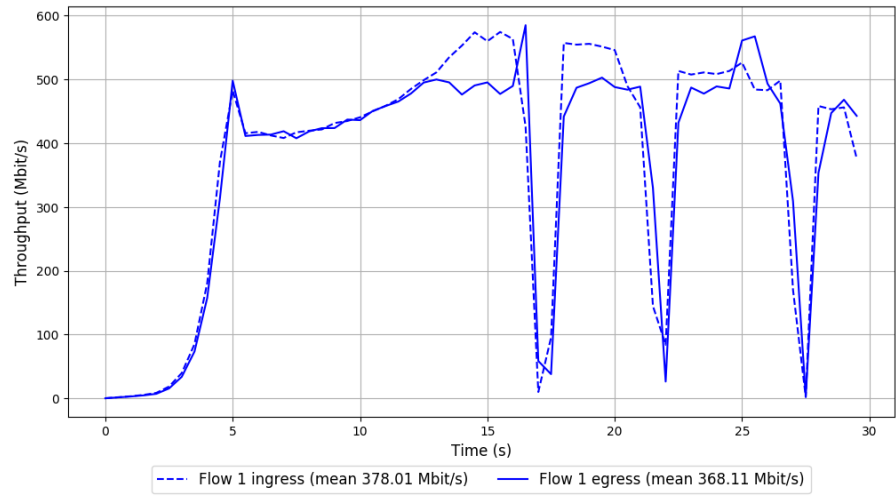
-- Flow 1:

Average throughput: 368.11 Mbit/s

95th percentile per-packet one-way delay: 242.823 ms

Loss rate: 2.62%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-04-03 04:22:33

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

Below is generated by plot.py at 2018-04-03 07:09:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 301.26 Mbit/s

95th percentile per-packet one-way delay: 235.697 ms

Loss rate: 1.44%

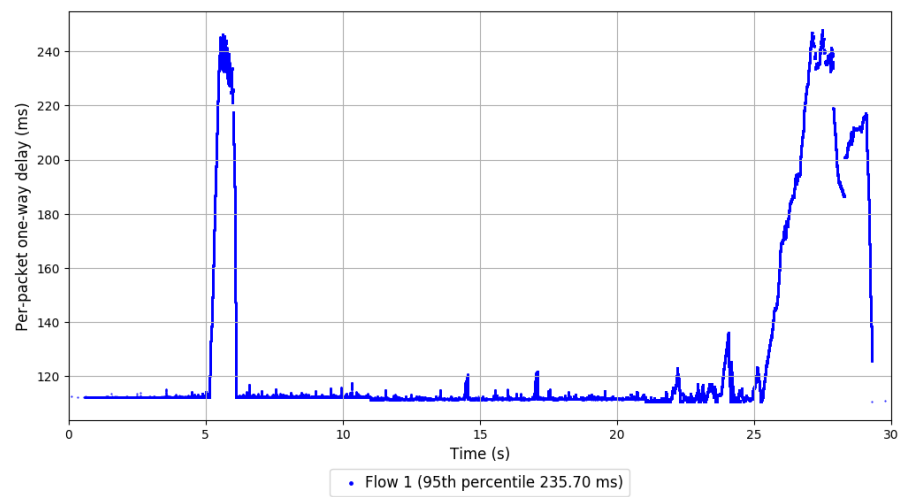
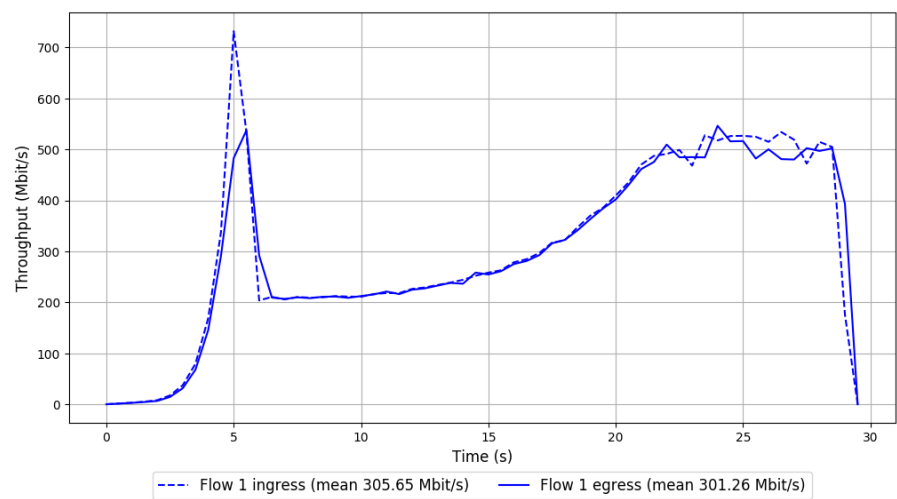
-- Flow 1:

Average throughput: 301.26 Mbit/s

95th percentile per-packet one-way delay: 235.697 ms

Loss rate: 1.44%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-04-03 04:37:38

End at: 2018-04-03 04:38:08

Below is generated by plot.py at 2018-04-03 07:11:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 352.34 Mbit/s

95th percentile per-packet one-way delay: 256.807 ms

Loss rate: 2.95%

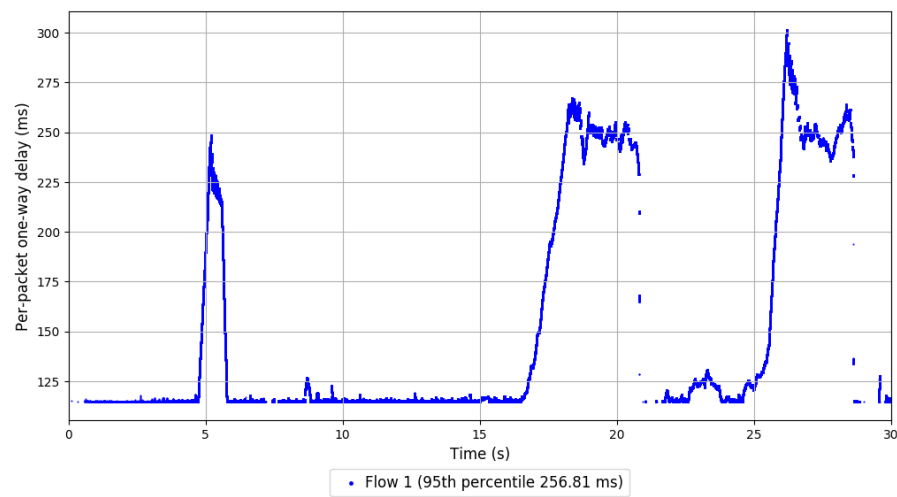
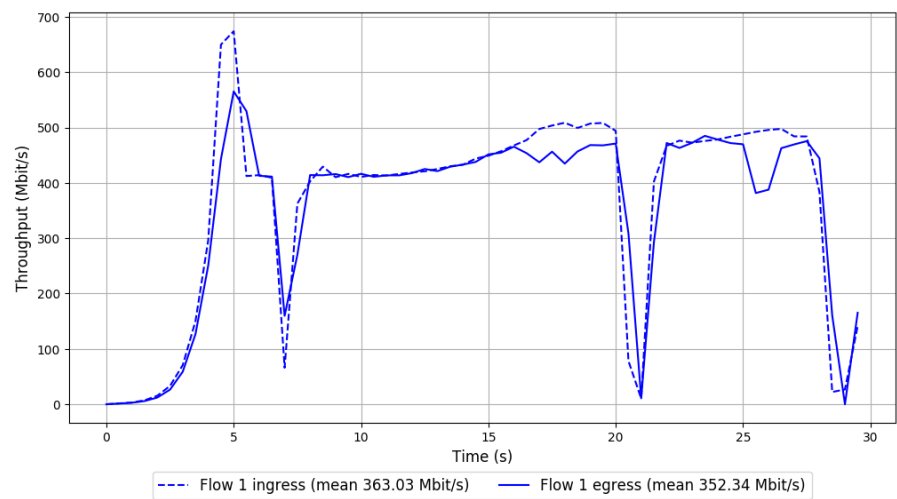
-- Flow 1:

Average throughput: 352.34 Mbit/s

95th percentile per-packet one-way delay: 256.807 ms

Loss rate: 2.95%

Run 10: Report of Vivace-loss — Data Link

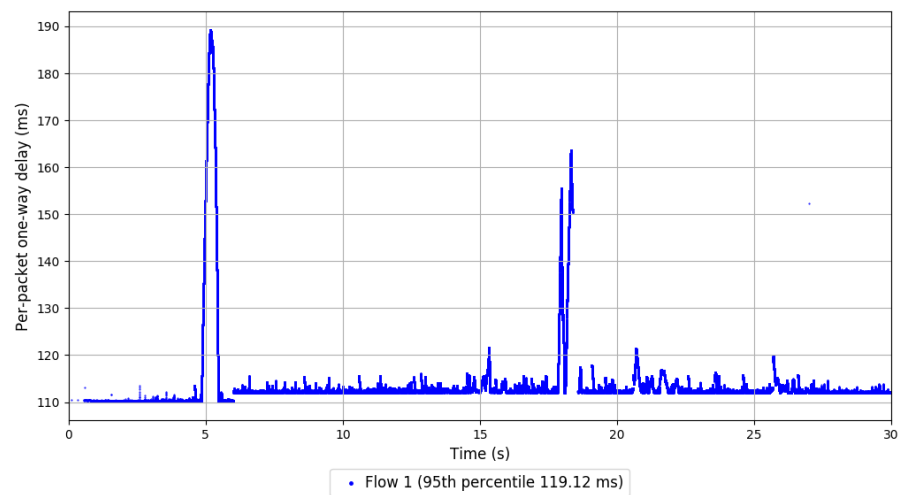
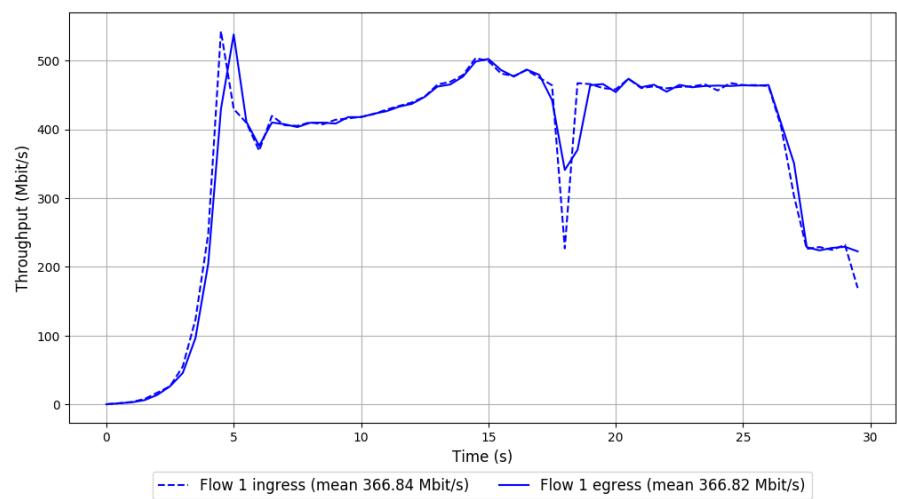


```
Run 1: Statistics of Vivace-LTE

Start at: 2018-04-03 02:25:18
End at: 2018-04-03 02:25:48

# Below is generated by plot.py at 2018-04-03 07:11:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 366.82 Mbit/s
95th percentile per-packet one-way delay: 119.124 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 366.82 Mbit/s
95th percentile per-packet one-way delay: 119.124 ms
Loss rate: 0.00%
```

Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-04-03 02:40:49

End at: 2018-04-03 02:41:19

Below is generated by plot.py at 2018-04-03 07:12:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 376.93 Mbit/s

95th percentile per-packet one-way delay: 161.066 ms

Loss rate: 0.09%

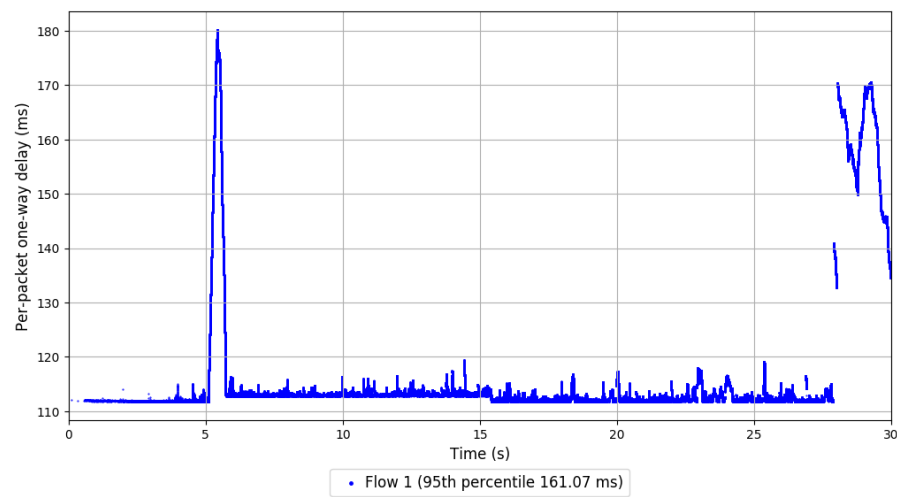
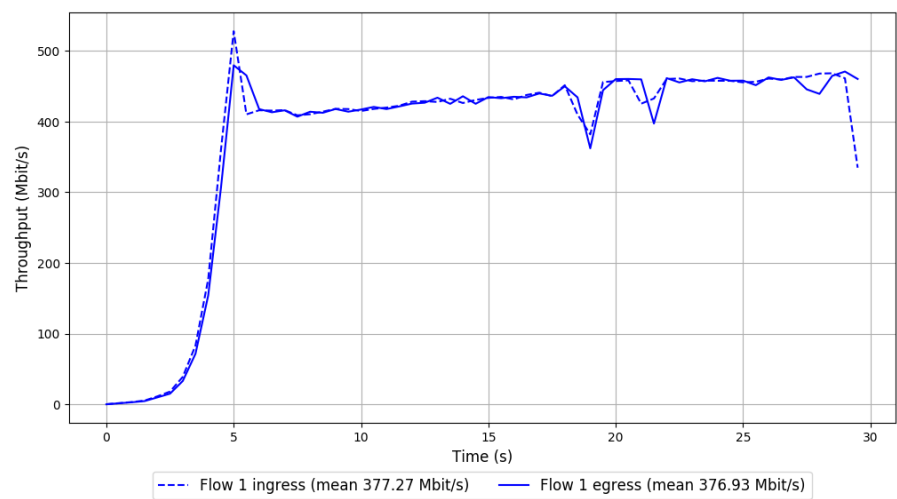
-- Flow 1:

Average throughput: 376.93 Mbit/s

95th percentile per-packet one-way delay: 161.066 ms

Loss rate: 0.09%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-04-03 02:56:07

End at: 2018-04-03 02:56:37

Below is generated by plot.py at 2018-04-03 07:12:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 369.02 Mbit/s

95th percentile per-packet one-way delay: 117.952 ms

Loss rate: 0.02%

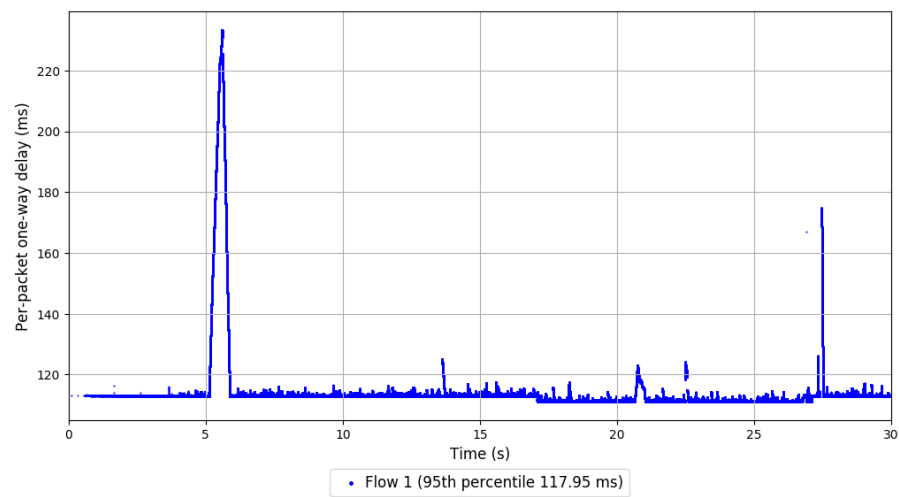
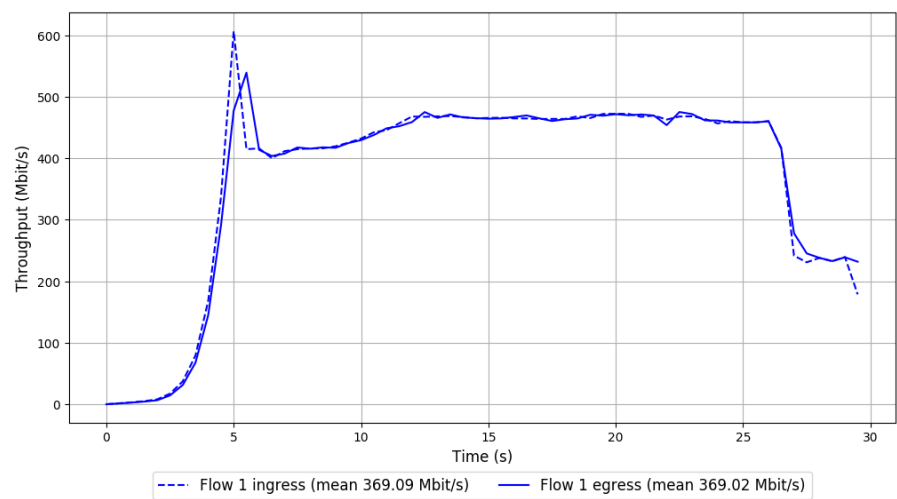
-- Flow 1:

Average throughput: 369.02 Mbit/s

95th percentile per-packet one-way delay: 117.952 ms

Loss rate: 0.02%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

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

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

Below is generated by plot.py at 2018-04-03 07:14:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 361.48 Mbit/s

95th percentile per-packet one-way delay: 119.319 ms

Loss rate: 0.00%

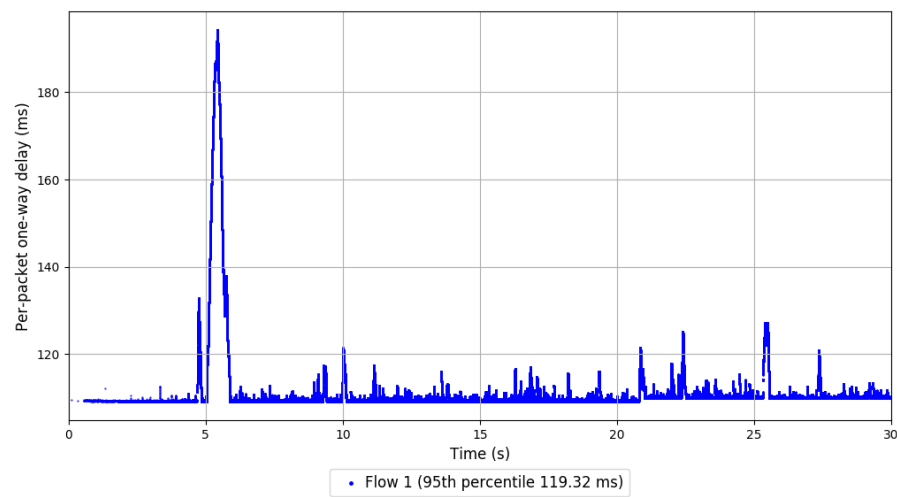
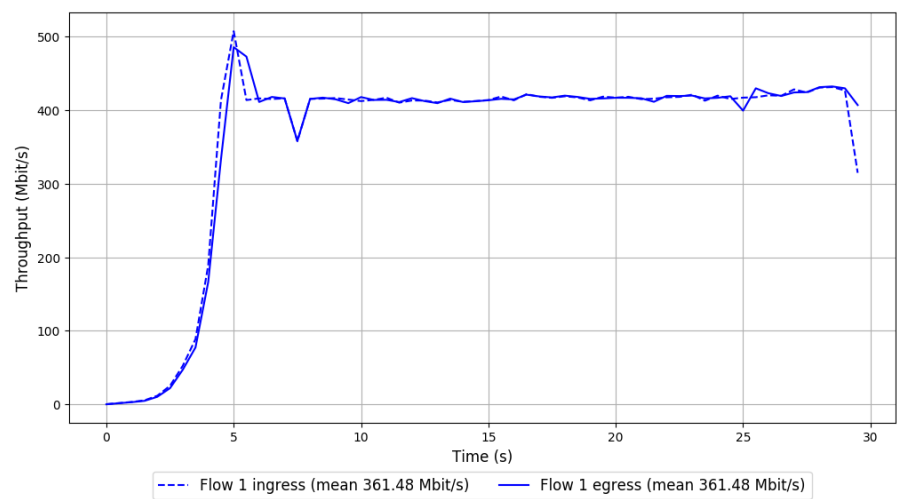
-- Flow 1:

Average throughput: 361.48 Mbit/s

95th percentile per-packet one-way delay: 119.319 ms

Loss rate: 0.00%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-04-03 03:27:14

End at: 2018-04-03 03:27:44

Below is generated by plot.py at 2018-04-03 07:14:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 380.89 Mbit/s

95th percentile per-packet one-way delay: 147.155 ms

Loss rate: 0.00%

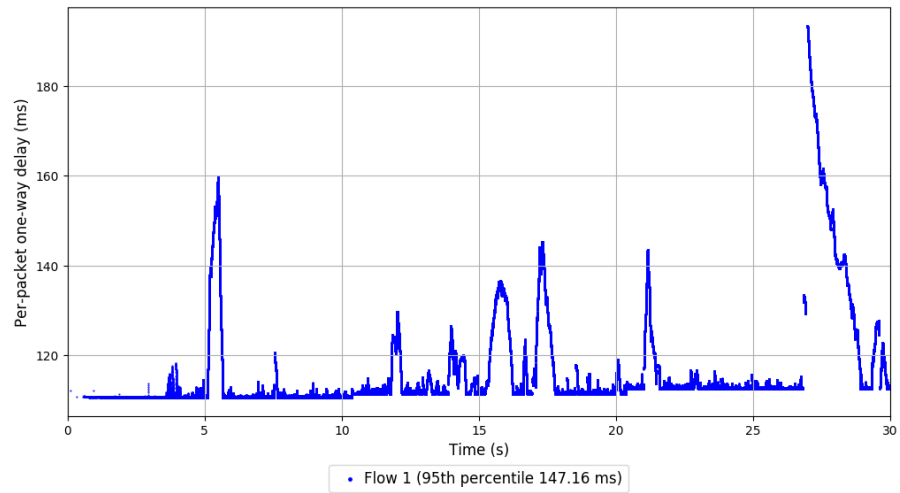
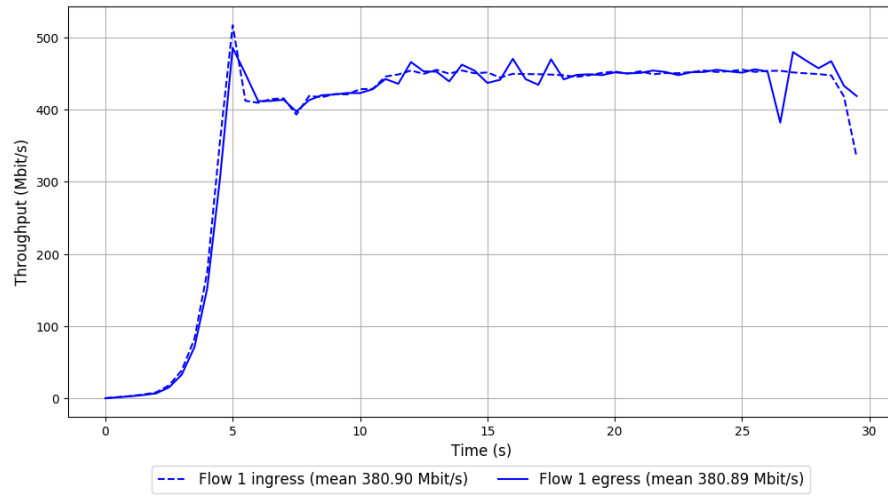
-- Flow 1:

Average throughput: 380.89 Mbit/s

95th percentile per-packet one-way delay: 147.155 ms

Loss rate: 0.00%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-04-03 03:42:54

End at: 2018-04-03 03:43:24

Below is generated by plot.py at 2018-04-03 07:14:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 238.90 Mbit/s

95th percentile per-packet one-way delay: 119.461 ms

Loss rate: 0.00%

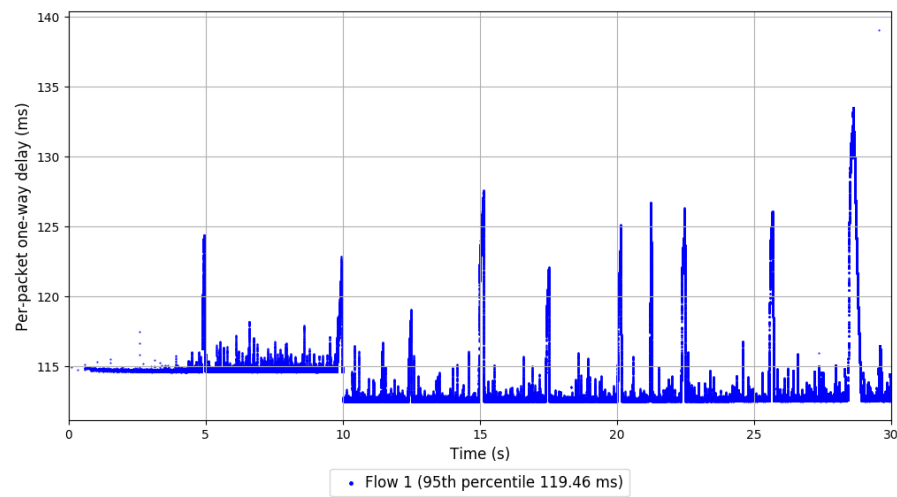
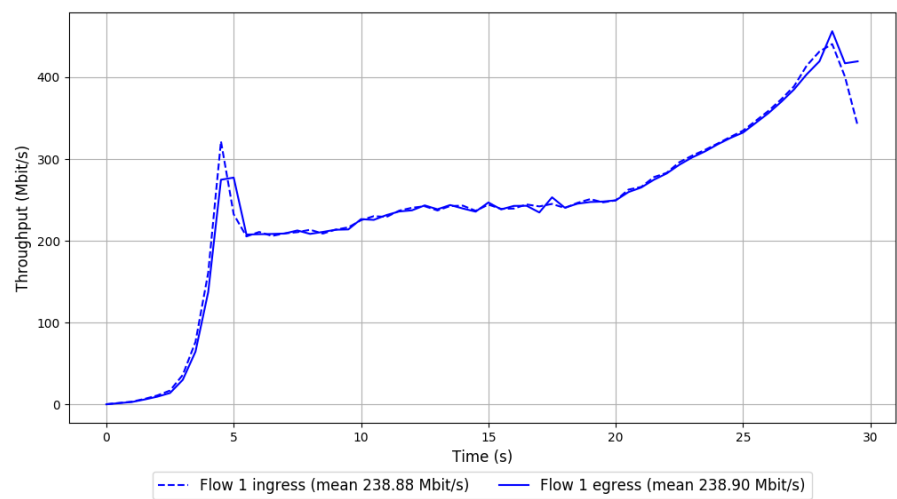
-- Flow 1:

Average throughput: 238.90 Mbit/s

95th percentile per-packet one-way delay: 119.461 ms

Loss rate: 0.00%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-04-03 03:58:22

End at: 2018-04-03 03:58:52

Below is generated by plot.py at 2018-04-03 07:15:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 394.25 Mbit/s

95th percentile per-packet one-way delay: 125.021 ms

Loss rate: 0.01%

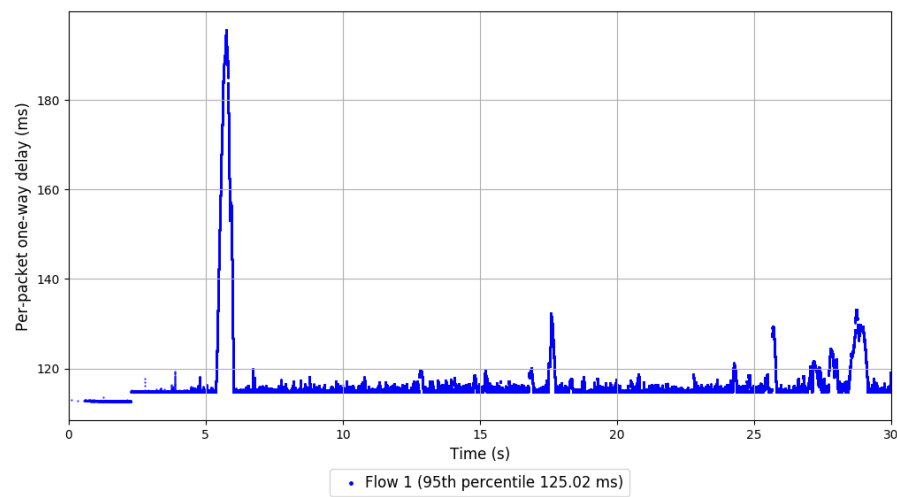
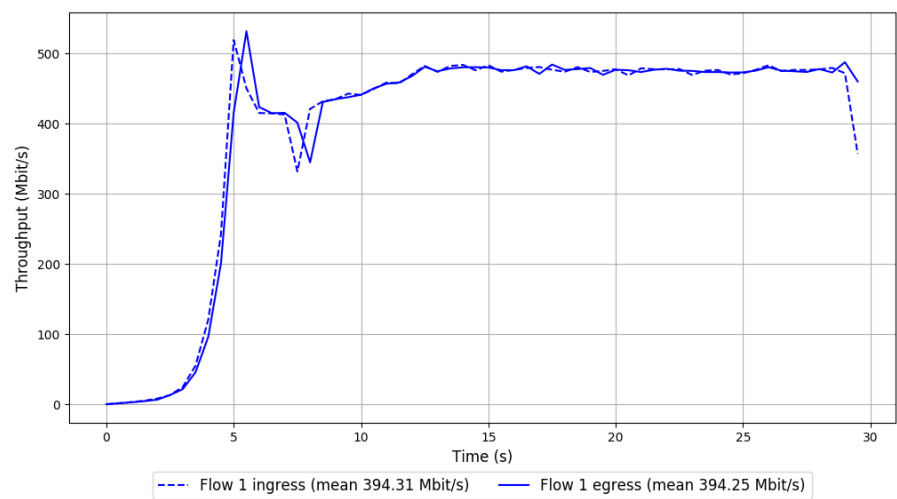
-- Flow 1:

Average throughput: 394.25 Mbit/s

95th percentile per-packet one-way delay: 125.021 ms

Loss rate: 0.01%

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-04-03 04:13:59

End at: 2018-04-03 04:14:29

Below is generated by plot.py at 2018-04-03 07:15:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 368.03 Mbit/s

95th percentile per-packet one-way delay: 134.440 ms

Loss rate: 0.00%

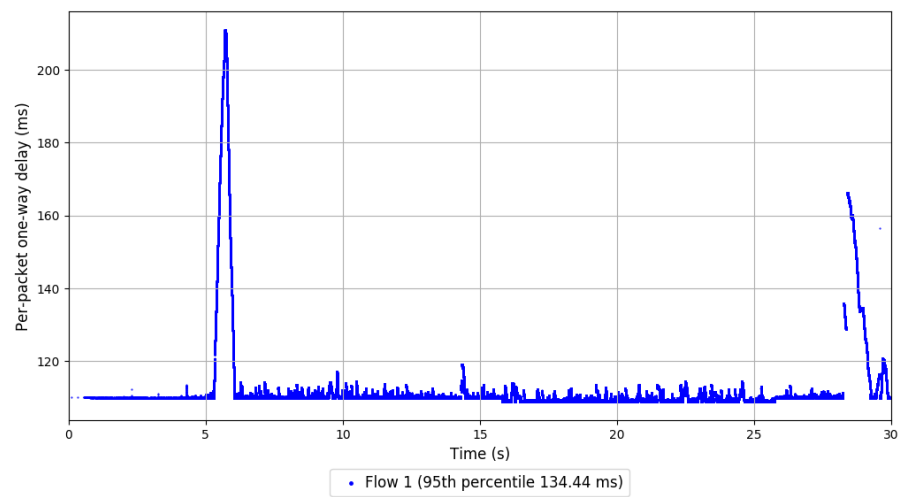
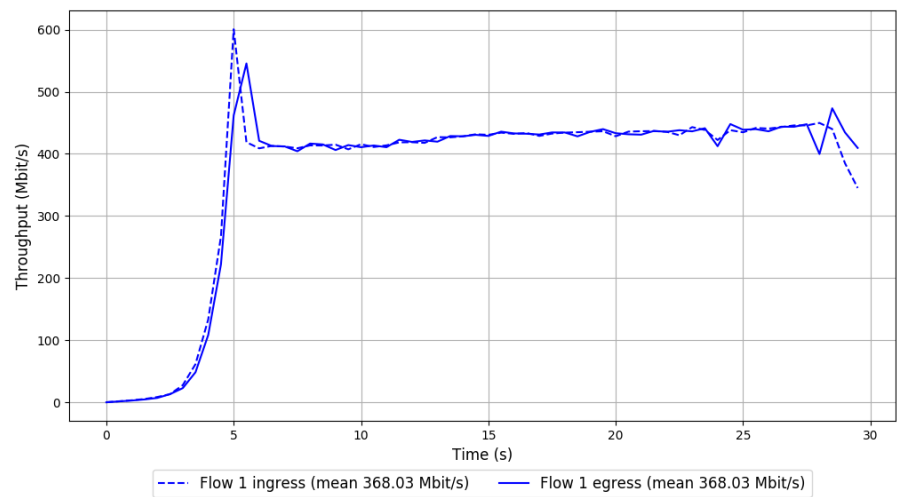
-- Flow 1:

Average throughput: 368.03 Mbit/s

95th percentile per-packet one-way delay: 134.440 ms

Loss rate: 0.00%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

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

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

Below is generated by plot.py at 2018-04-03 07:15:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 278.98 Mbit/s

95th percentile per-packet one-way delay: 112.292 ms

Loss rate: 0.00%

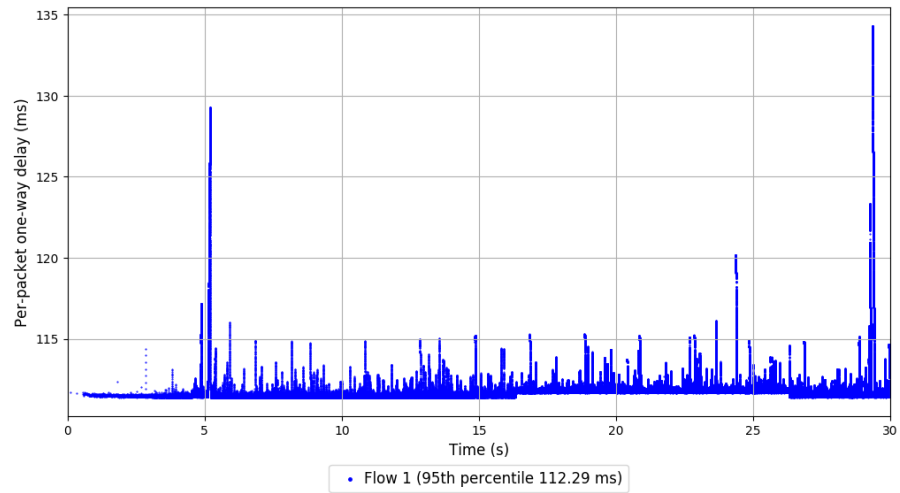
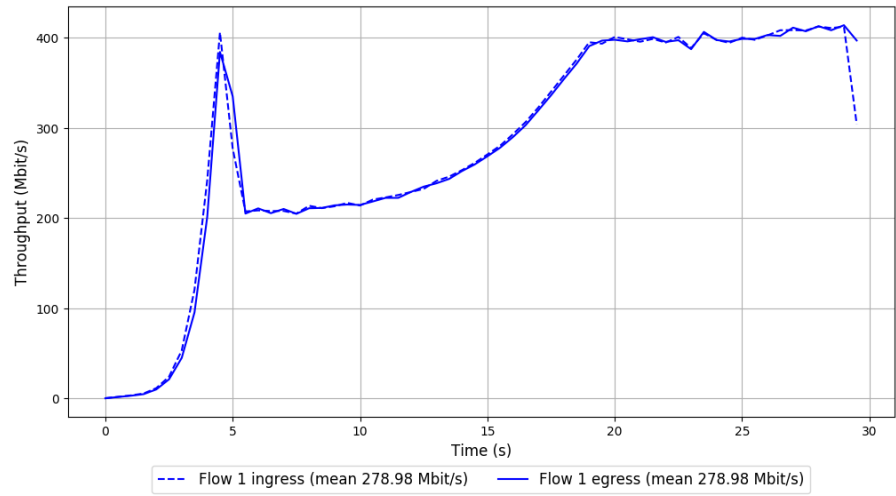
-- Flow 1:

Average throughput: 278.98 Mbit/s

95th percentile per-packet one-way delay: 112.292 ms

Loss rate: 0.00%

Run 9: Report of Vivace-LTE — Data Link



```
Run 10: Statistics of Vivace-LTE

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

# Below is generated by plot.py at 2018-04-03 07:15:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 220.81 Mbit/s
95th percentile per-packet one-way delay: 139.332 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 220.81 Mbit/s
95th percentile per-packet one-way delay: 139.332 ms
Loss rate: 0.00%
```

Run 10: Report of Vivace-LTE — Data Link

