

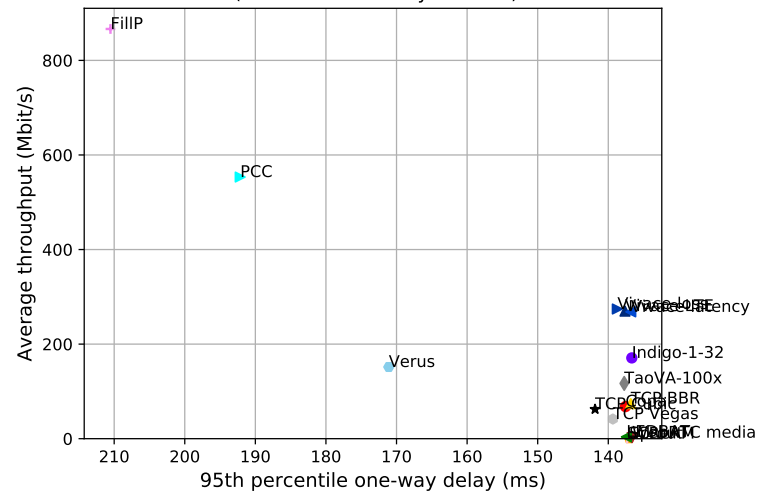
Pantheon Report

Generated at 2018-03-13 20:23:07 (UTC).
Data path: GCE Sydney Ethernet (*local*) → GCE London Ethernet (*remote*).
Repeated the test of 17 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

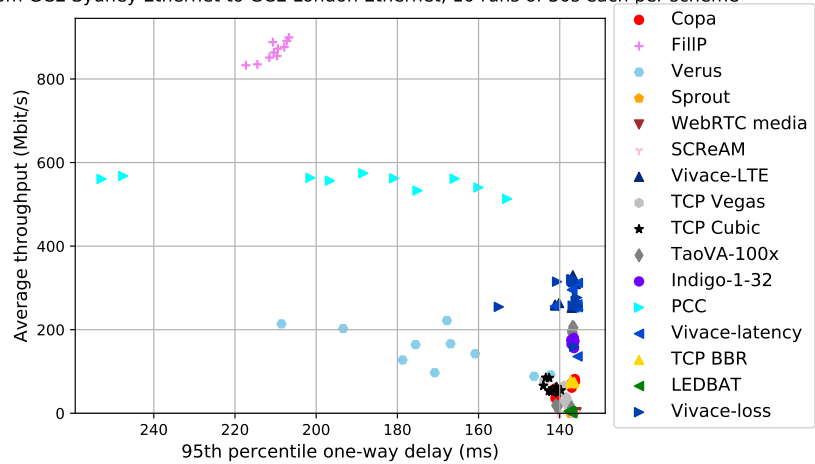
Git summary:

```
branch: master @ f12c42a2c63fdd9a862eefa0468859bf379b6623
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5ceec90f281d1c69ae1a5c6
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeab30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



test from GCE Sydney Ethernet to GCE London 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	74.27	136.82	0.00
TCP Cubic	10	62.30	141.87	0.01
LEDBAT	10	3.83	137.44	0.00
PCC	10	553.32	192.14	1.10
QUIC Cubic	0	N/A	N/A	N/A
SCReAM	10	0.22	137.33	0.00
WebRTC media	10	2.10	136.63	0.00
Sprout	10	0.41	137.02	0.00
TaoVA-100x	9	116.88	137.74	0.00
TCP Vegas	10	41.54	139.35	0.01
Verus	10	151.62	171.10	0.08
Copa	10	67.89	137.56	0.00
FillP	10	866.45	210.53	3.41
Indigo-1-32	10	170.83	136.67	0.00
Vivace-latency	10	268.16	136.82	0.00
Vivace-loss	10	274.26	138.72	0.00
Vivace-LTE	10	269.85	137.63	0.01

Run 1: Statistics of TCP BBR

Start at: 2018-03-13 14:56:28

End at: 2018-03-13 14:56:58

Below is generated by plot.py at 2018-03-13 18:56:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.05 Mbit/s

95th percentile per-packet one-way delay: 136.391 ms

Loss rate: 0.00%

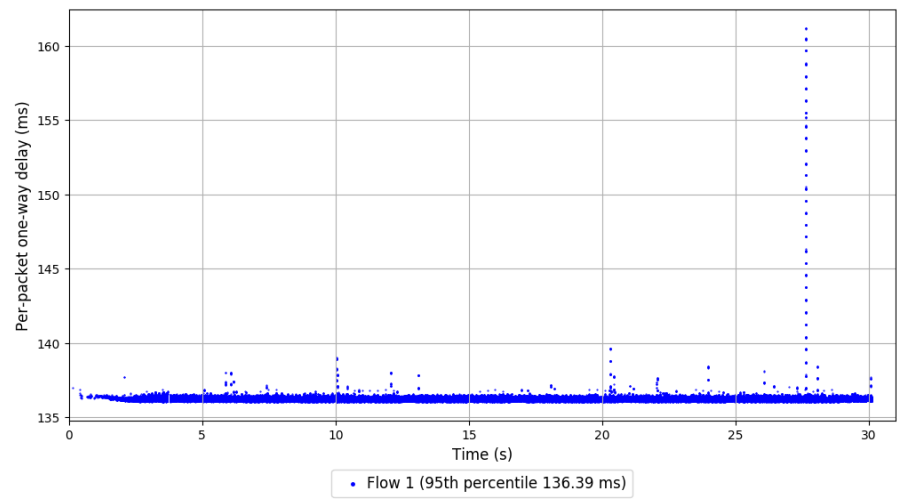
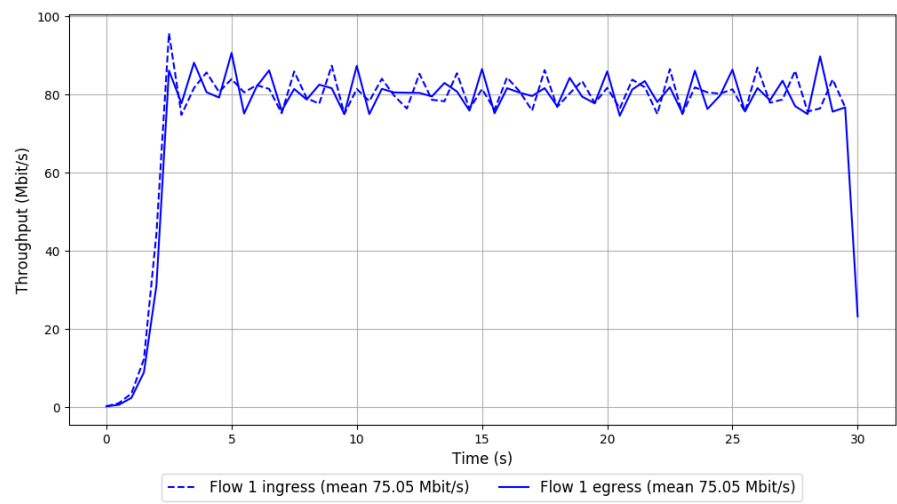
-- Flow 1:

Average throughput: 75.05 Mbit/s

95th percentile per-packet one-way delay: 136.391 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-03-13 15:12:30

End at: 2018-03-13 15:13:00

Below is generated by plot.py at 2018-03-13 18:56:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.86 Mbit/s

95th percentile per-packet one-way delay: 136.568 ms

Loss rate: 0.00%

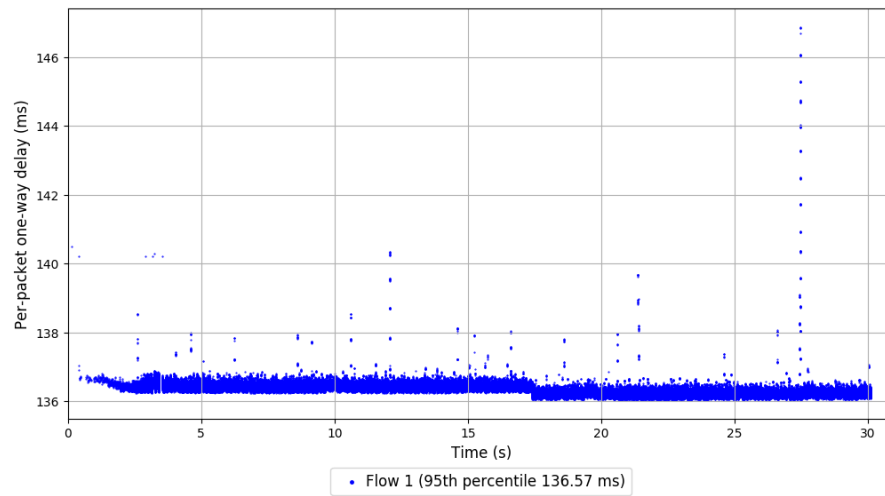
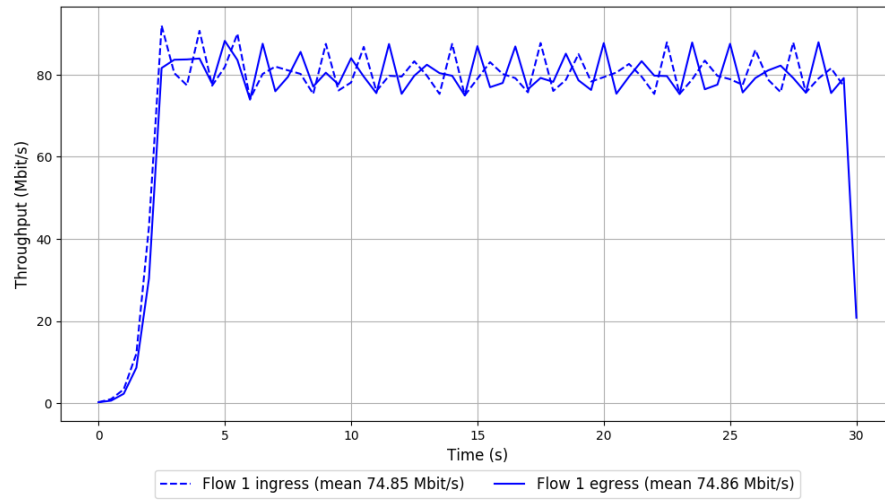
-- Flow 1:

Average throughput: 74.86 Mbit/s

95th percentile per-packet one-way delay: 136.568 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-03-13 15:28:12

End at: 2018-03-13 15:28:42

Below is generated by plot.py at 2018-03-13 18:56:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.50 Mbit/s

95th percentile per-packet one-way delay: 136.568 ms

Loss rate: 0.00%

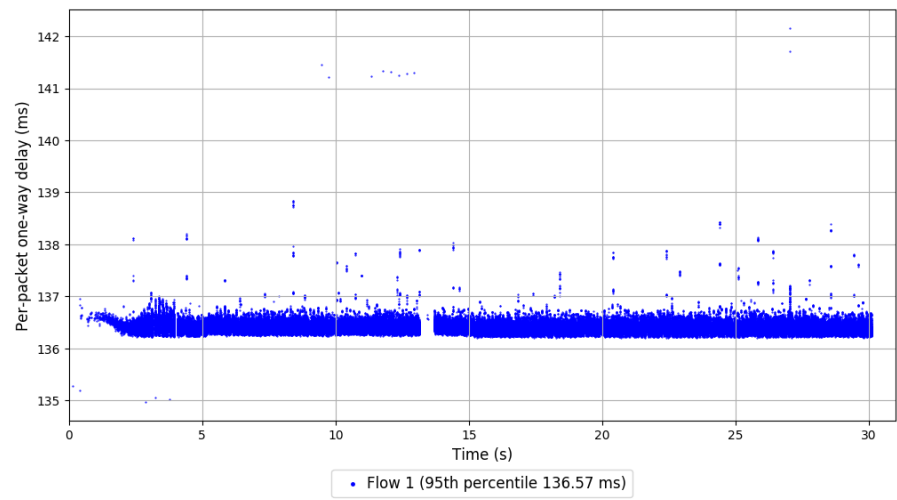
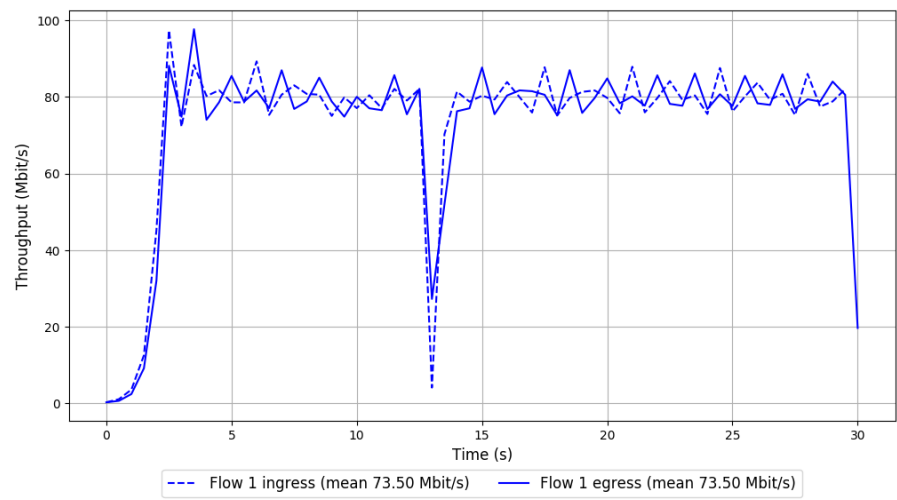
-- Flow 1:

Average throughput: 73.50 Mbit/s

95th percentile per-packet one-way delay: 136.568 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-03-13 15:43:52

End at: 2018-03-13 15:44:22

Below is generated by plot.py at 2018-03-13 18:56:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.04 Mbit/s

95th percentile per-packet one-way delay: 136.573 ms

Loss rate: 0.00%

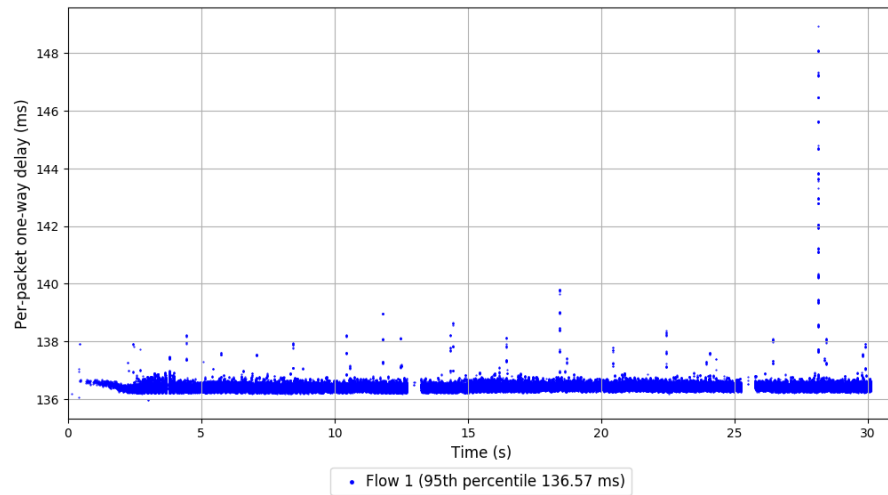
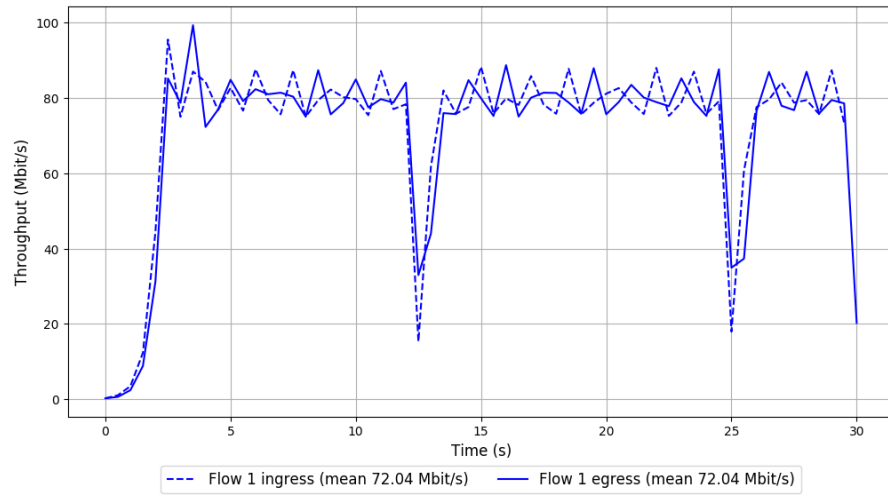
-- Flow 1:

Average throughput: 72.04 Mbit/s

95th percentile per-packet one-way delay: 136.573 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-03-13 15:59:31

End at: 2018-03-13 16:00:01

Below is generated by plot.py at 2018-03-13 18:56:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.52 Mbit/s

95th percentile per-packet one-way delay: 136.538 ms

Loss rate: 0.00%

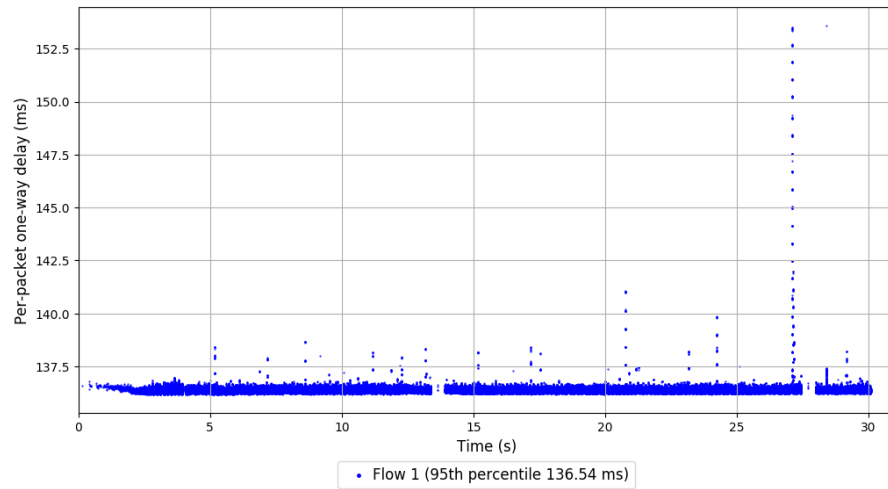
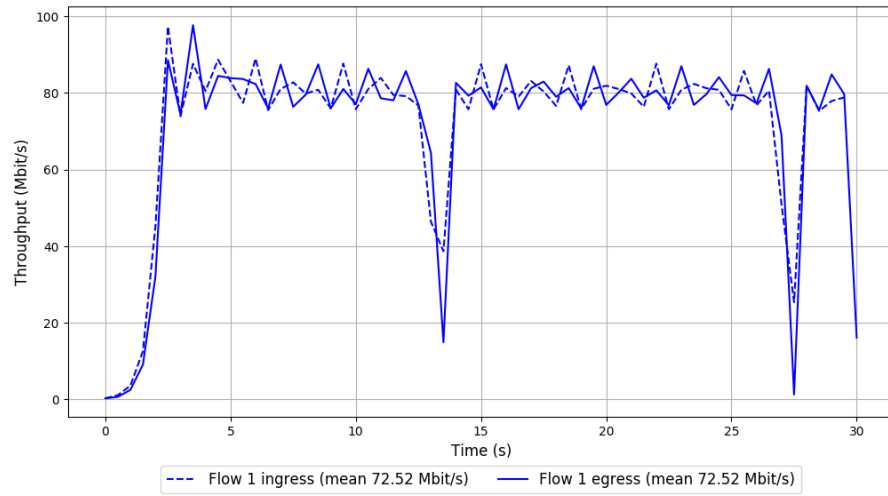
-- Flow 1:

Average throughput: 72.52 Mbit/s

95th percentile per-packet one-way delay: 136.538 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-03-13 16:15:16

End at: 2018-03-13 16:15:46

Below is generated by plot.py at 2018-03-13 18:56:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.55 Mbit/s

95th percentile per-packet one-way delay: 137.143 ms

Loss rate: 0.00%

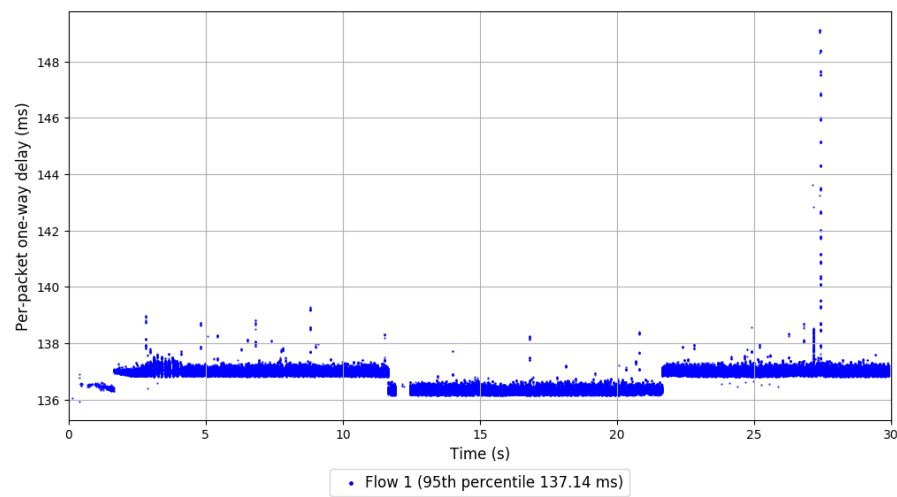
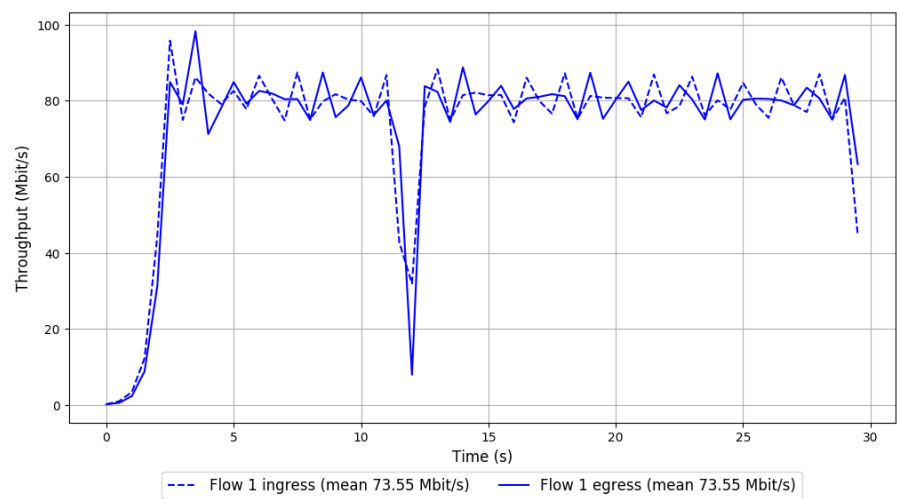
-- Flow 1:

Average throughput: 73.55 Mbit/s

95th percentile per-packet one-way delay: 137.143 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-03-13 16:30:57

End at: 2018-03-13 16:31:27

Below is generated by plot.py at 2018-03-13 18:56:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.06 Mbit/s

95th percentile per-packet one-way delay: 137.216 ms

Loss rate: 0.00%

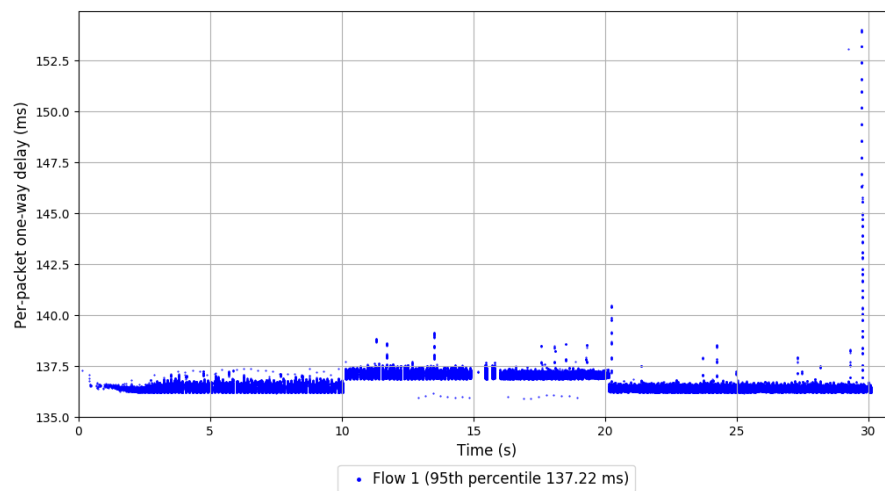
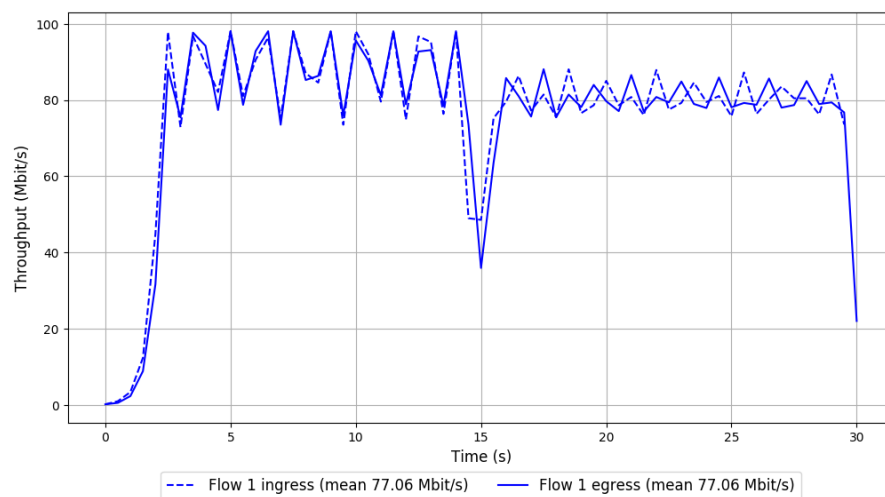
-- Flow 1:

Average throughput: 77.06 Mbit/s

95th percentile per-packet one-way delay: 137.216 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-03-13 16:46:42

End at: 2018-03-13 16:47:12

Below is generated by plot.py at 2018-03-13 18:56:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.77 Mbit/s

95th percentile per-packet one-way delay: 137.213 ms

Loss rate: 0.01%

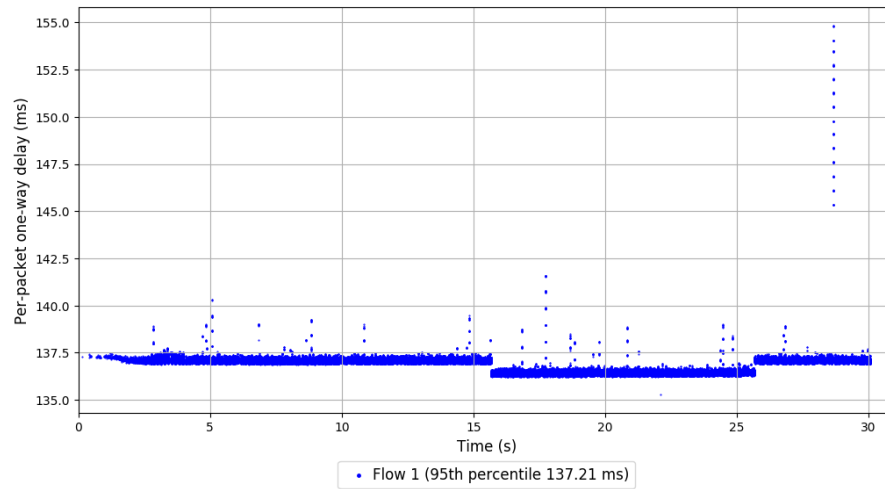
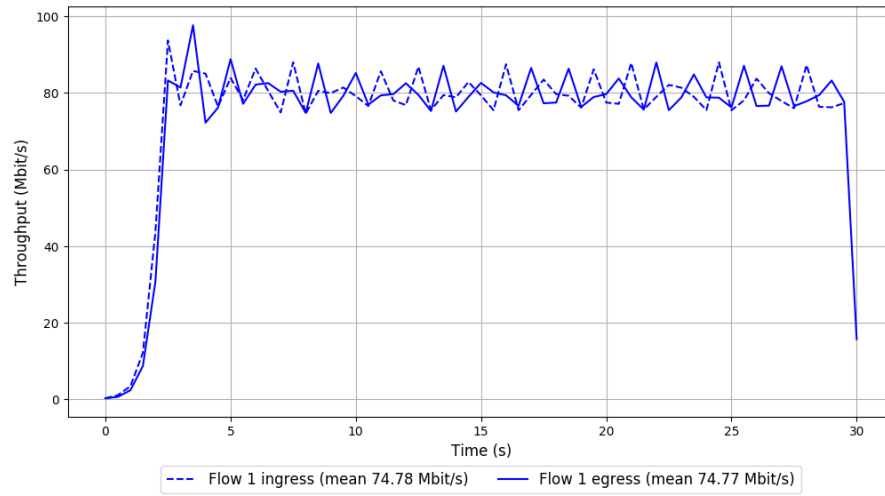
-- Flow 1:

Average throughput: 74.77 Mbit/s

95th percentile per-packet one-way delay: 137.213 ms

Loss rate: 0.01%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-03-13 17:02:40

End at: 2018-03-13 17:03:10

Below is generated by plot.py at 2018-03-13 18:58:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.16 Mbit/s

95th percentile per-packet one-way delay: 137.351 ms

Loss rate: 0.00%

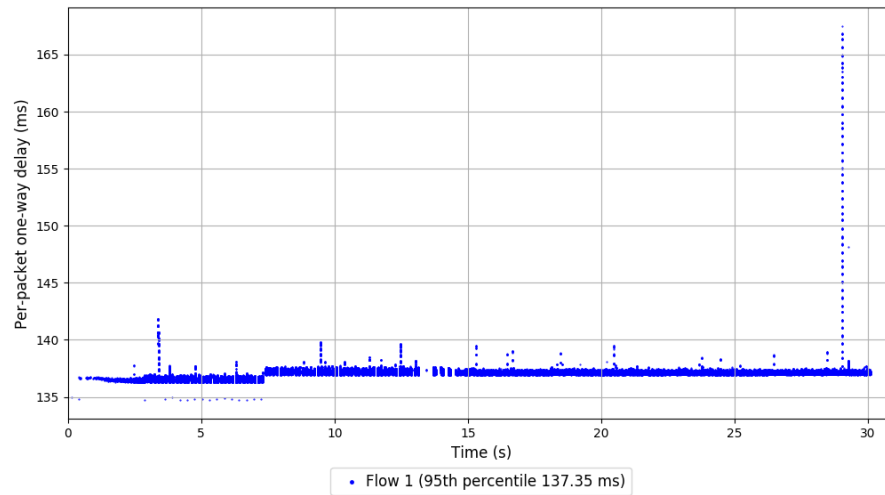
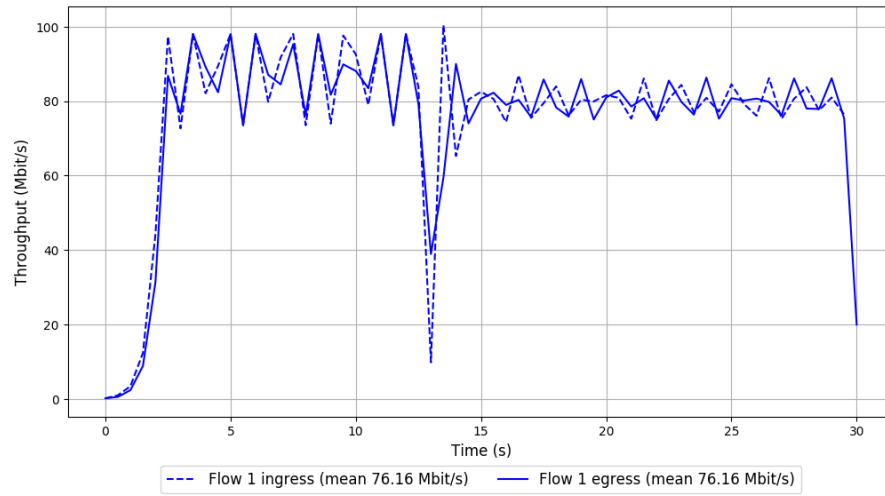
-- Flow 1:

Average throughput: 76.16 Mbit/s

95th percentile per-packet one-way delay: 137.351 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-03-13 17:18:25

End at: 2018-03-13 17:18:55

Below is generated by plot.py at 2018-03-13 18:58:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.15 Mbit/s

95th percentile per-packet one-way delay: 136.597 ms

Loss rate: 0.00%

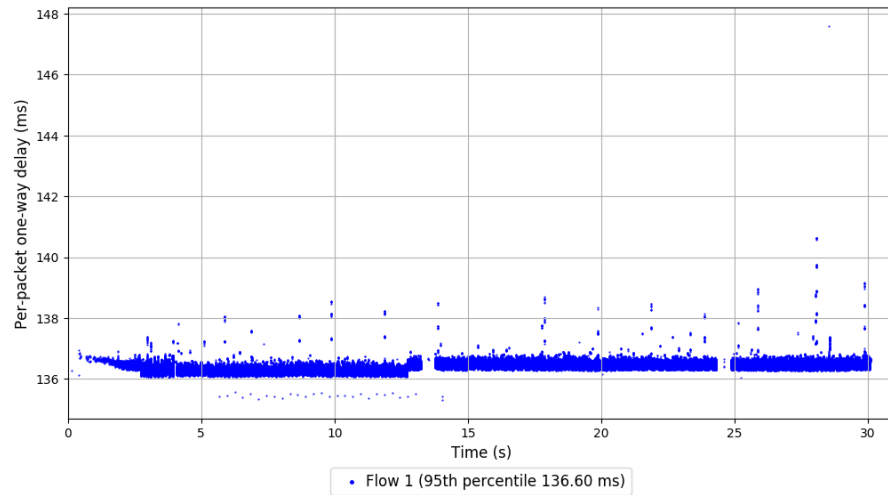
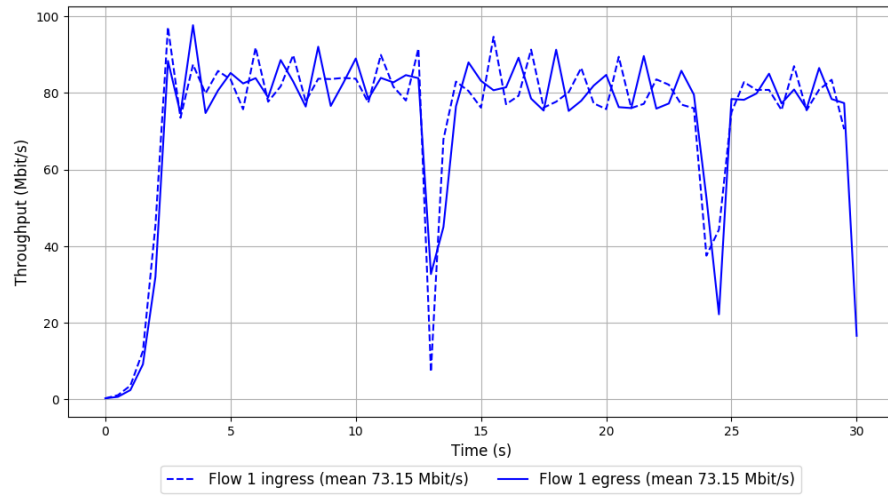
-- Flow 1:

Average throughput: 73.15 Mbit/s

95th percentile per-packet one-way delay: 136.597 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-03-13 15:03:51

End at: 2018-03-13 15:04:21

Below is generated by plot.py at 2018-03-13 18:58:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.69 Mbit/s

95th percentile per-packet one-way delay: 139.693 ms

Loss rate: 0.00%

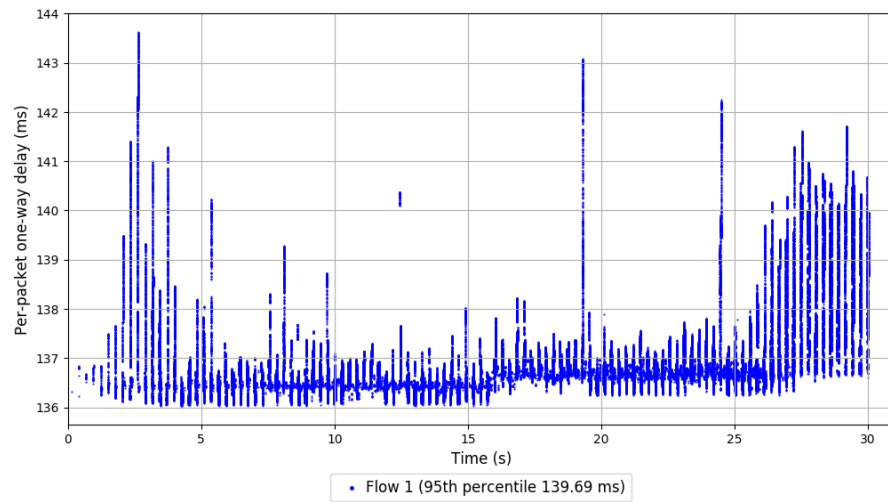
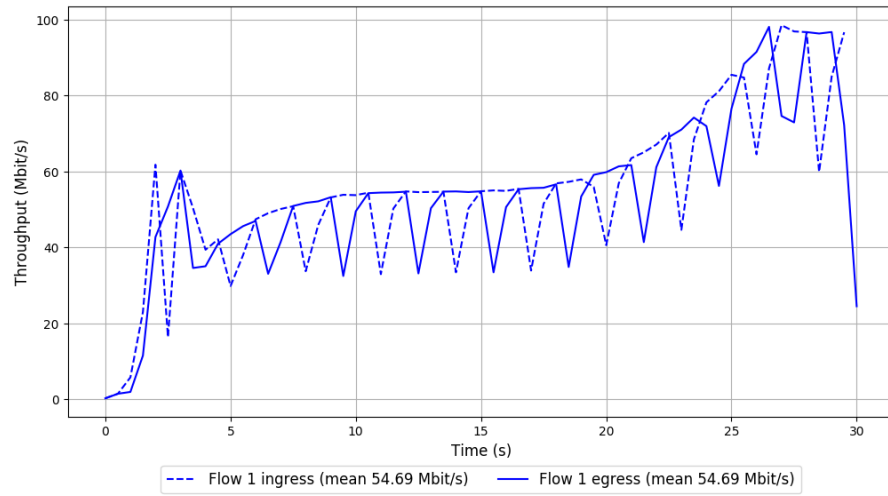
-- Flow 1:

Average throughput: 54.69 Mbit/s

95th percentile per-packet one-way delay: 139.693 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-03-13 15:19:33

End at: 2018-03-13 15:20:03

Below is generated by plot.py at 2018-03-13 18:58:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.67 Mbit/s

95th percentile per-packet one-way delay: 142.615 ms

Loss rate: 0.00%

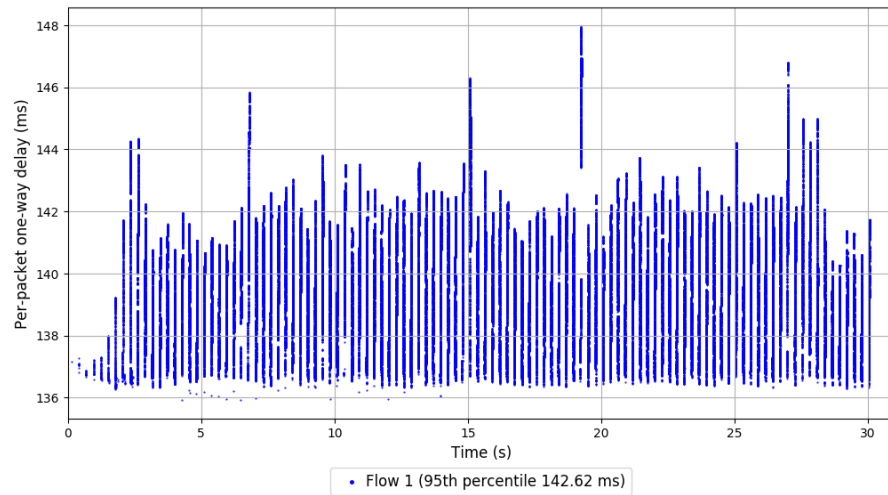
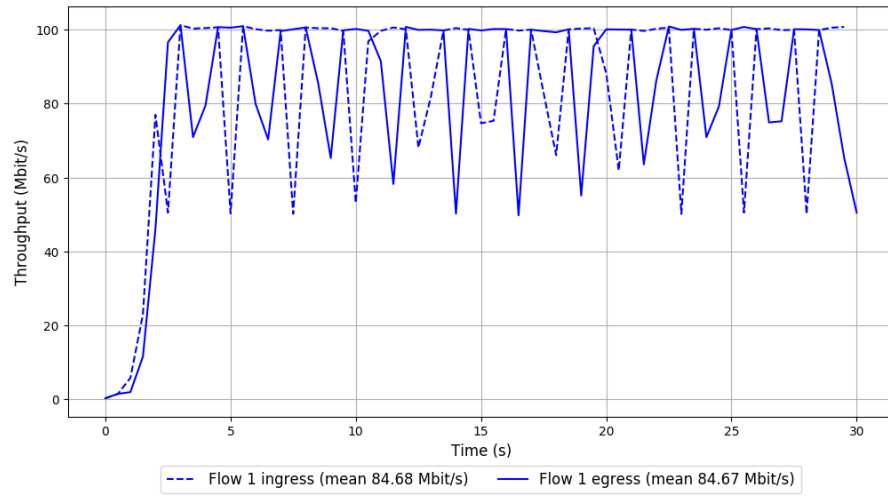
-- Flow 1:

Average throughput: 84.67 Mbit/s

95th percentile per-packet one-way delay: 142.615 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-03-13 15:35:25

End at: 2018-03-13 15:35:55

Below is generated by plot.py at 2018-03-13 18:58:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.80 Mbit/s

95th percentile per-packet one-way delay: 140.421 ms

Loss rate: 0.00%

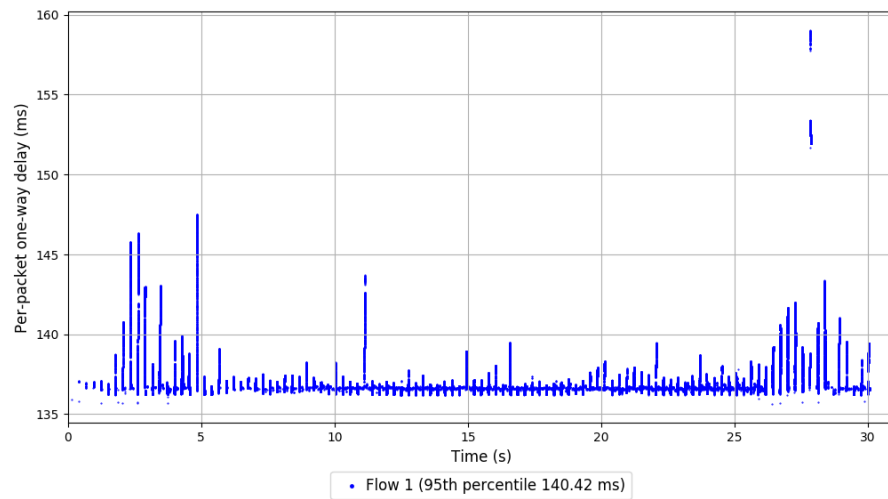
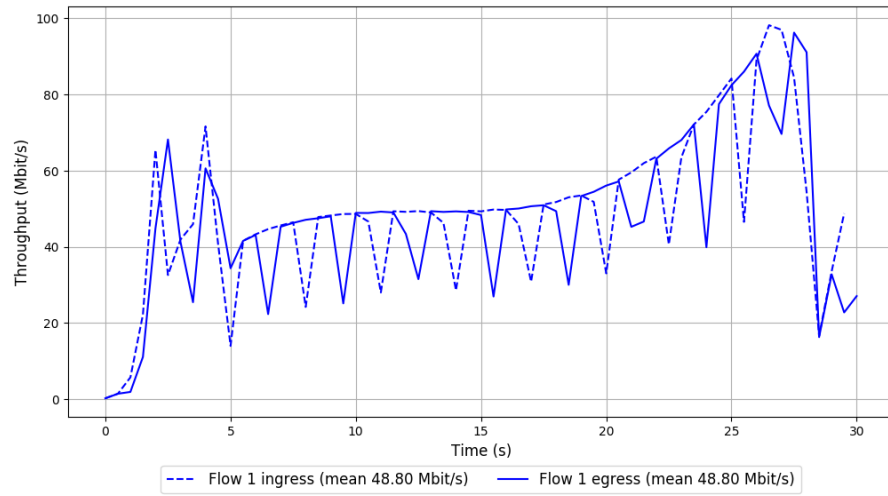
-- Flow 1:

Average throughput: 48.80 Mbit/s

95th percentile per-packet one-way delay: 140.421 ms

Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-03-13 15:50:54

End at: 2018-03-13 15:51:24

Below is generated by plot.py at 2018-03-13 18:58:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.02 Mbit/s

95th percentile per-packet one-way delay: 142.189 ms

Loss rate: 0.00%

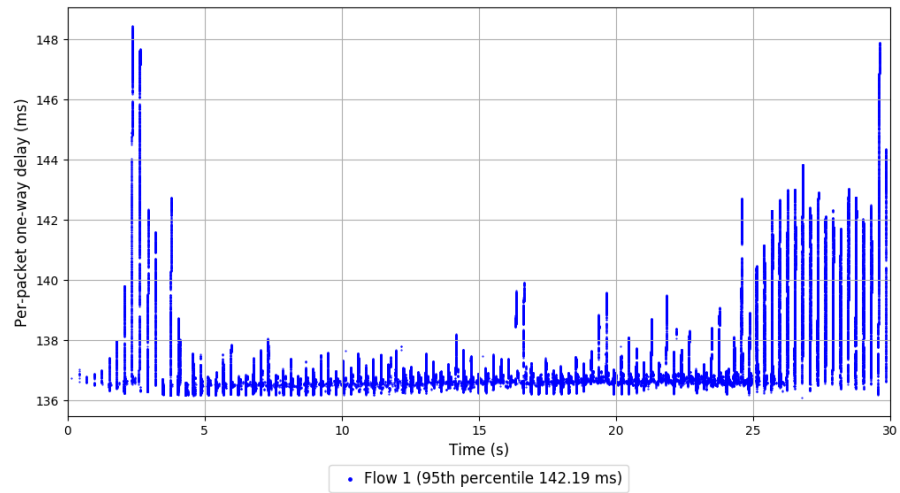
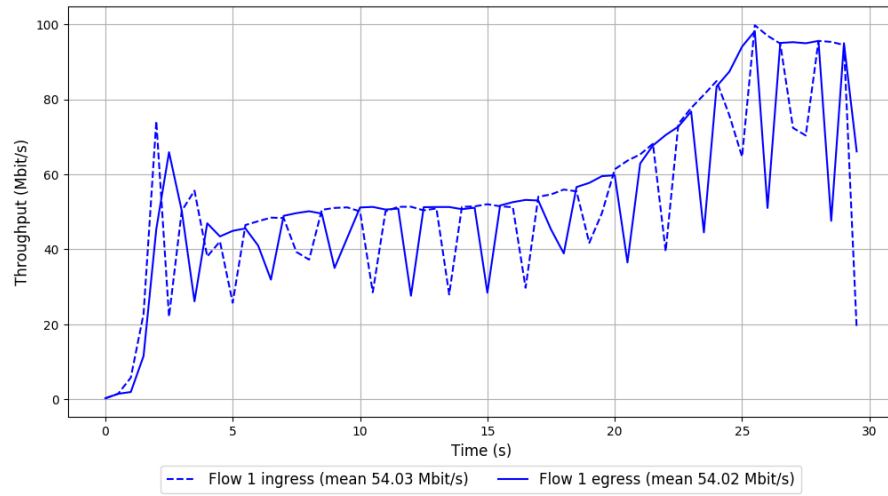
-- Flow 1:

Average throughput: 54.02 Mbit/s

95th percentile per-packet one-way delay: 142.189 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-03-13 16:06:46

End at: 2018-03-13 16:07:16

Below is generated by plot.py at 2018-03-13 18:58:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.39 Mbit/s

95th percentile per-packet one-way delay: 142.679 ms

Loss rate: 0.00%

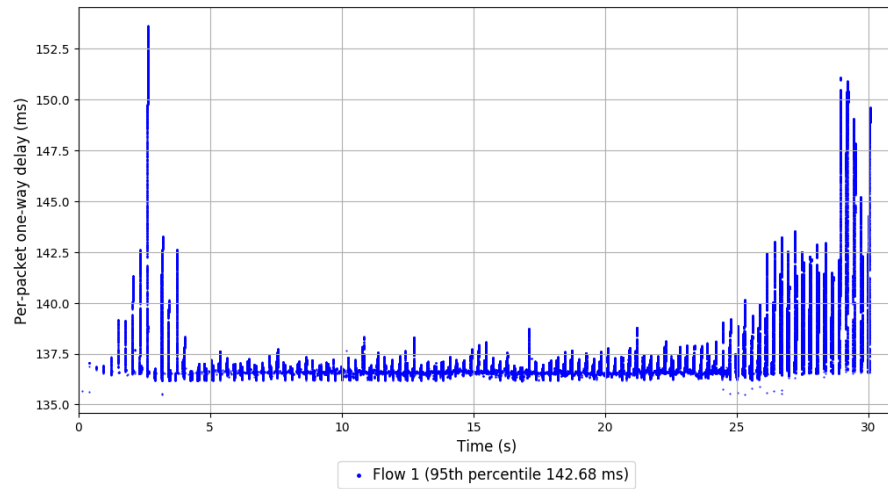
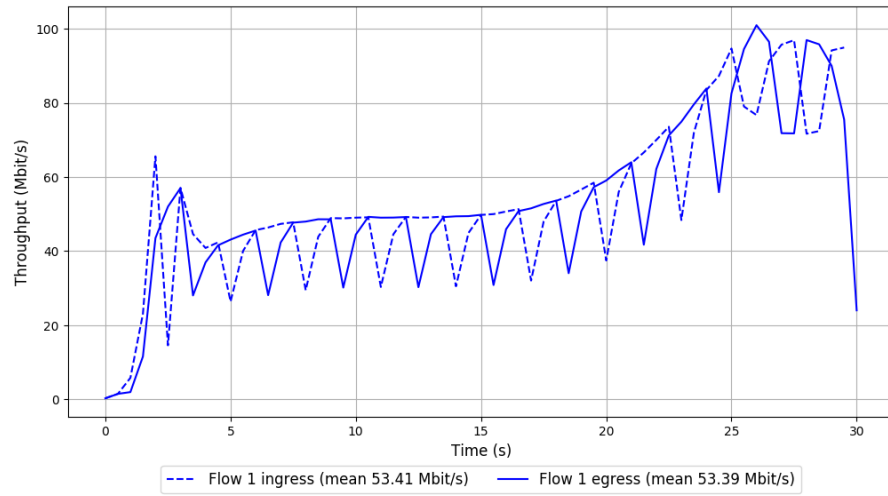
-- Flow 1:

Average throughput: 53.39 Mbit/s

95th percentile per-packet one-way delay: 142.679 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-03-13 16:22:20

End at: 2018-03-13 16:22:50

Below is generated by plot.py at 2018-03-13 18:58:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.76 Mbit/s

95th percentile per-packet one-way delay: 144.029 ms

Loss rate: 0.00%

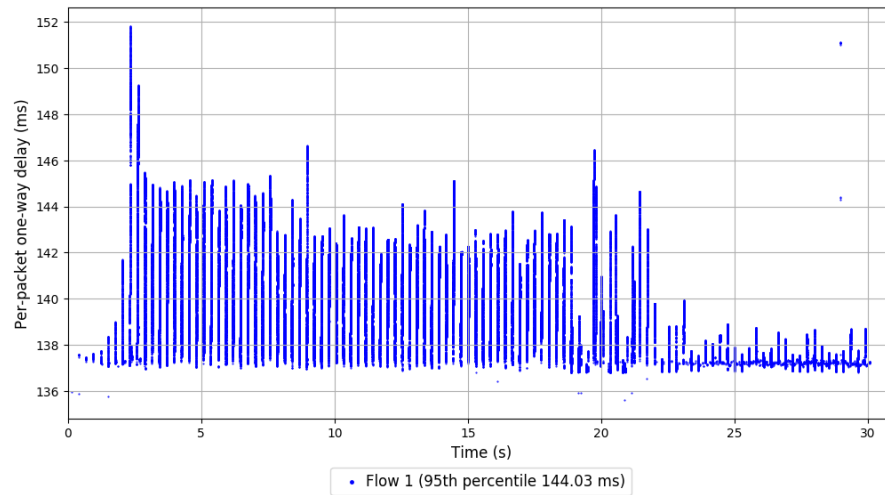
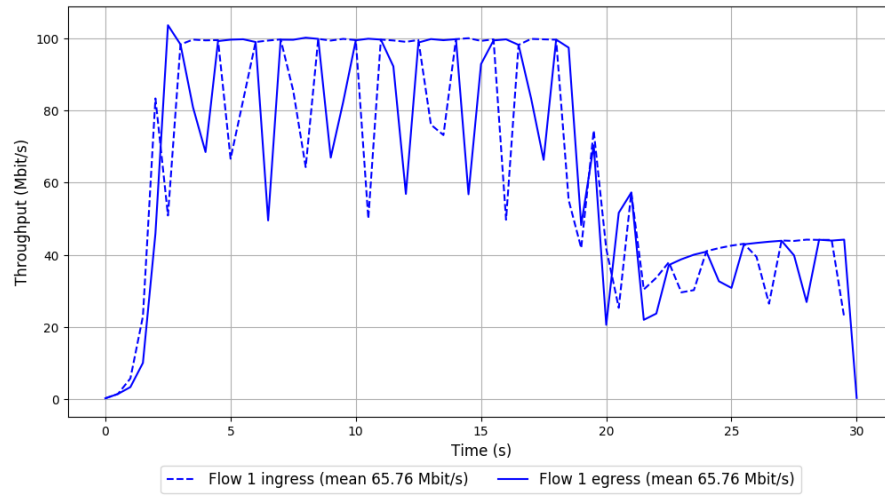
-- Flow 1:

Average throughput: 65.76 Mbit/s

95th percentile per-packet one-way delay: 144.029 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-03-13 16:38:08

End at: 2018-03-13 16:38:38

Below is generated by plot.py at 2018-03-13 18:59:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.04 Mbit/s

95th percentile per-packet one-way delay: 140.848 ms

Loss rate: 0.00%

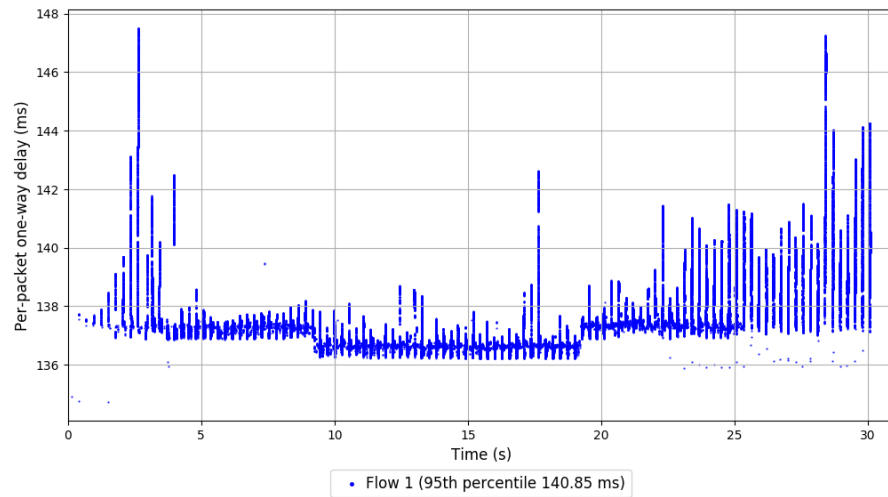
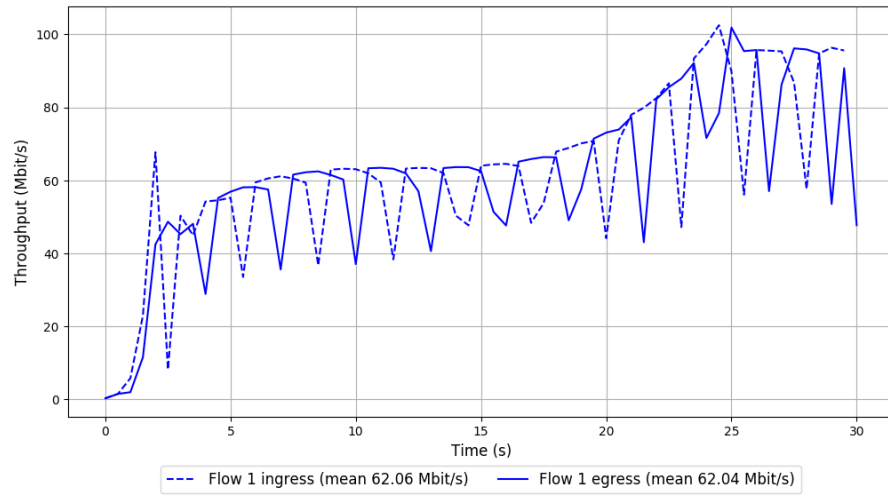
-- Flow 1:

Average throughput: 62.04 Mbit/s

95th percentile per-packet one-way delay: 140.848 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-03-13 16:54:11

End at: 2018-03-13 16:54:41

Below is generated by plot.py at 2018-03-13 18:59:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.49 Mbit/s

95th percentile per-packet one-way delay: 142.032 ms

Loss rate: 0.00%

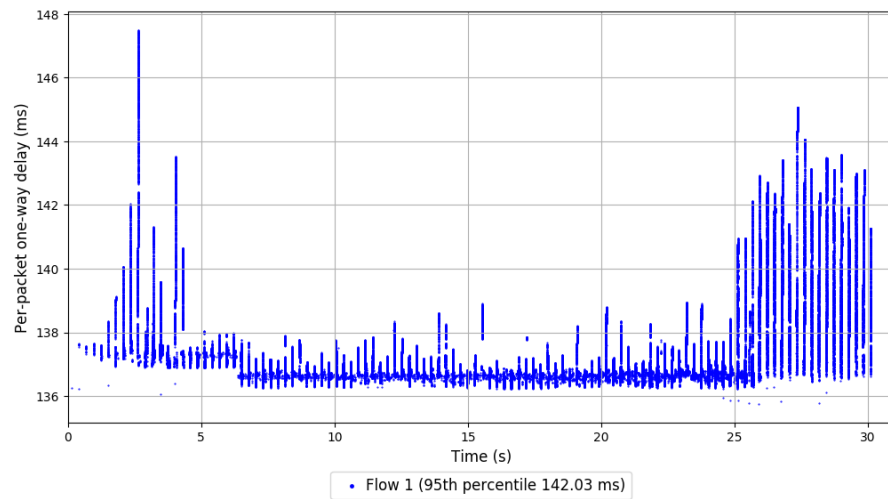
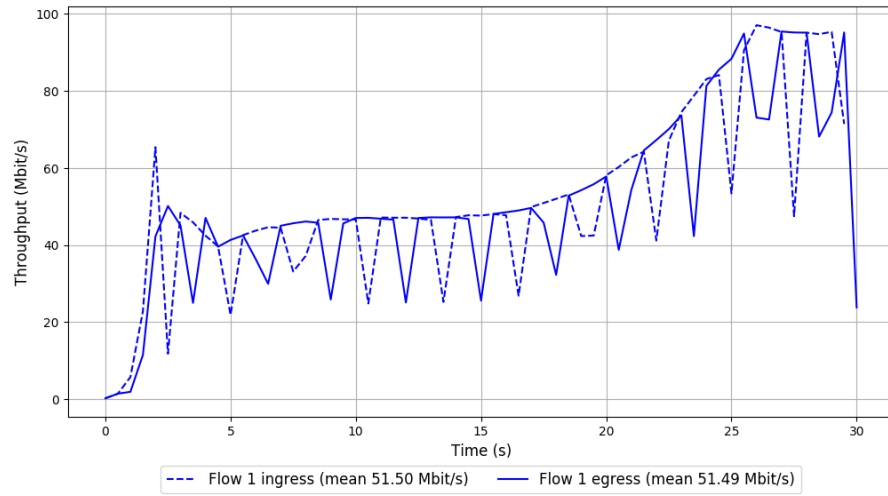
-- Flow 1:

Average throughput: 51.49 Mbit/s

95th percentile per-packet one-way delay: 142.032 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-03-13 17:09:48

End at: 2018-03-13 17:10:18

Below is generated by plot.py at 2018-03-13 18:59:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.06 Mbit/s

95th percentile per-packet one-way delay: 140.788 ms

Loss rate: 0.05%

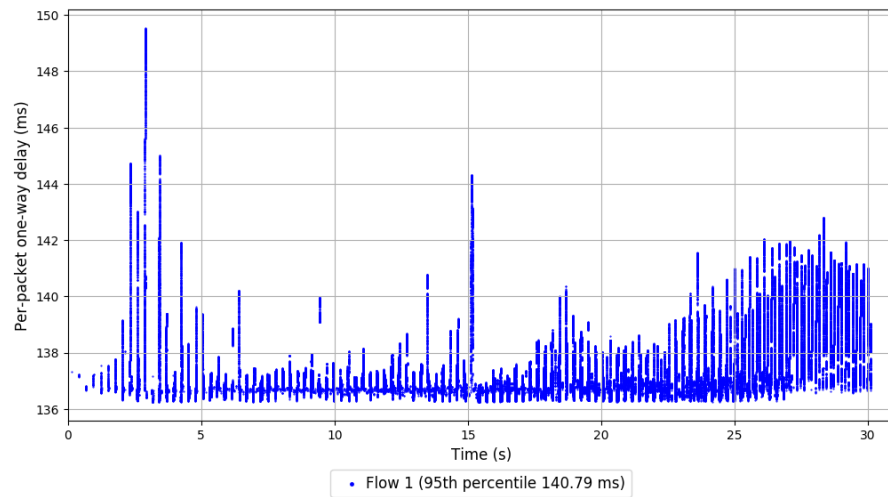
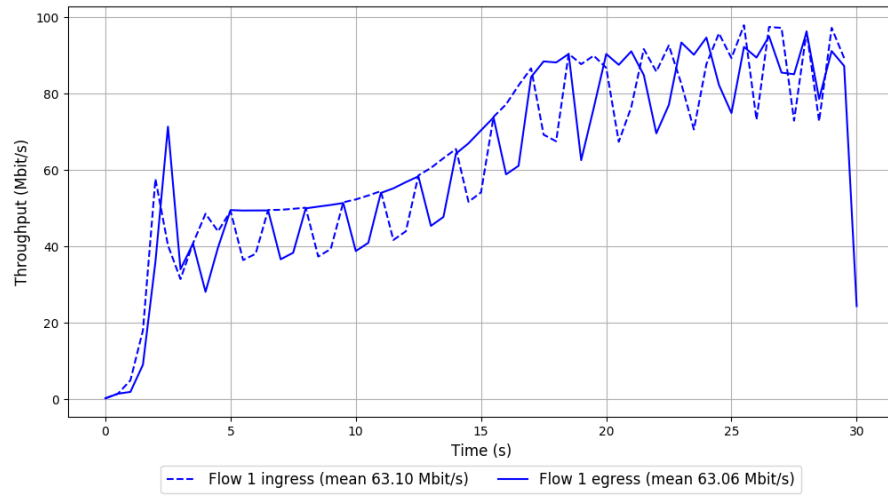
-- Flow 1:

Average throughput: 63.06 Mbit/s

95th percentile per-packet one-way delay: 140.788 ms

Loss rate: 0.05%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-03-13 17:25:51

End at: 2018-03-13 17:26:21

Below is generated by plot.py at 2018-03-13 18:59:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.09 Mbit/s

95th percentile per-packet one-way delay: 143.435 ms

Loss rate: 0.00%

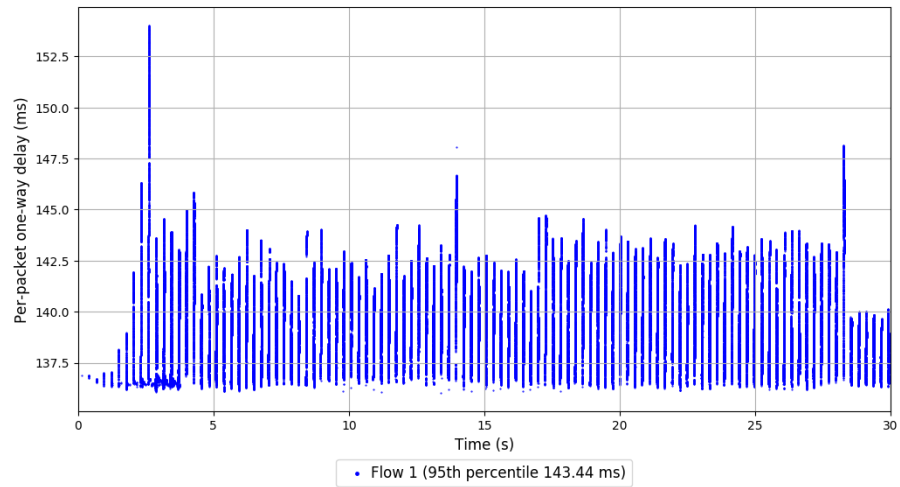
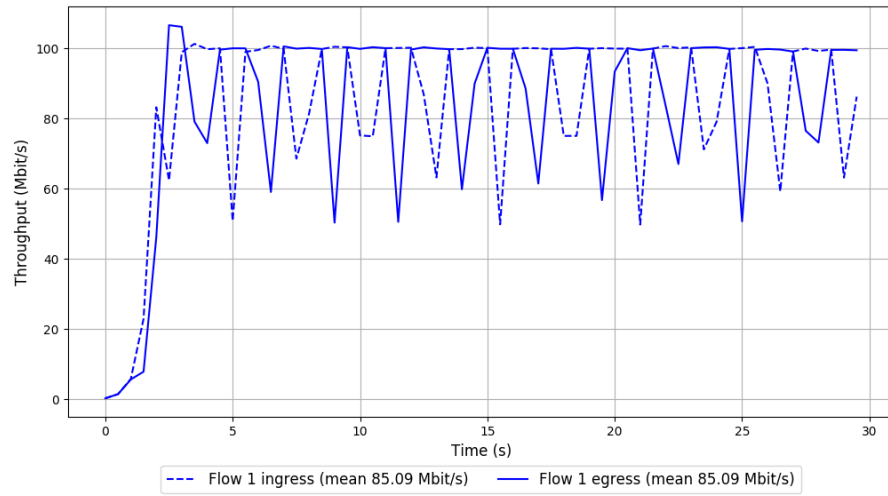
-- Flow 1:

Average throughput: 85.09 Mbit/s

95th percentile per-packet one-way delay: 143.435 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

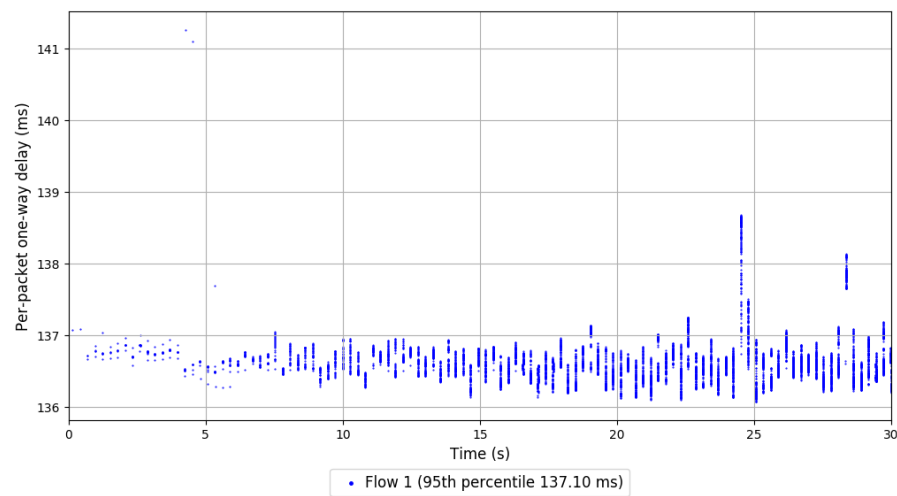
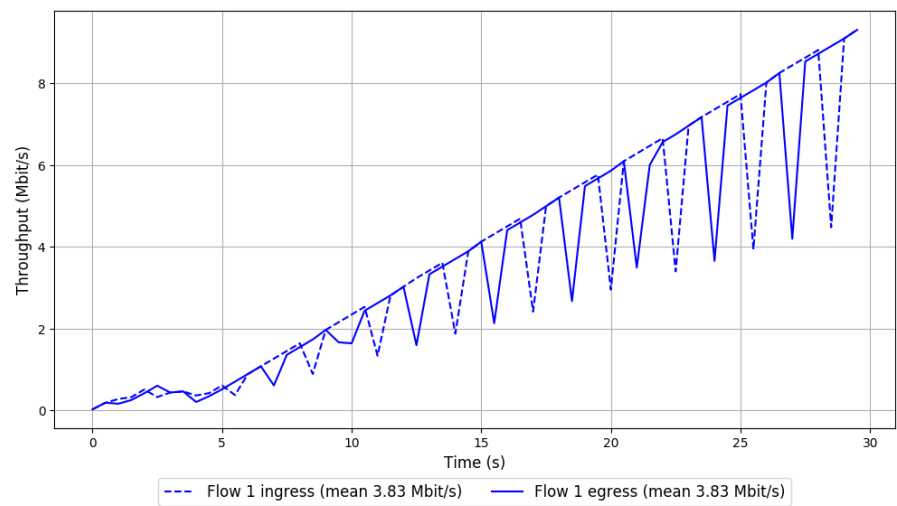


```
Run 1: Statistics of LEDBAT

Start at: 2018-03-13 14:52:03
End at: 2018-03-13 14:52:33

# Below is generated by plot.py at 2018-03-13 18:59:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 137.096 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 137.096 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-03-13 15:07:59

End at: 2018-03-13 15:08:29

Below is generated by plot.py at 2018-03-13 18:59:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 137.082 ms

Loss rate: 0.00%

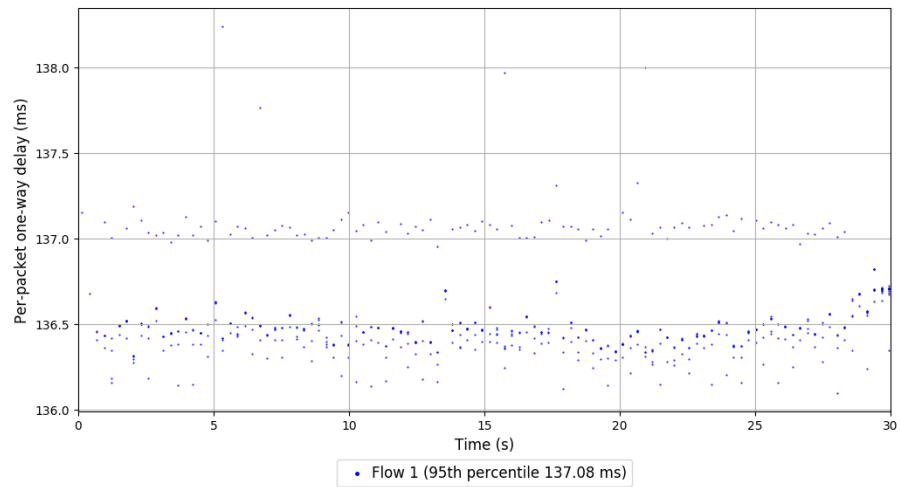
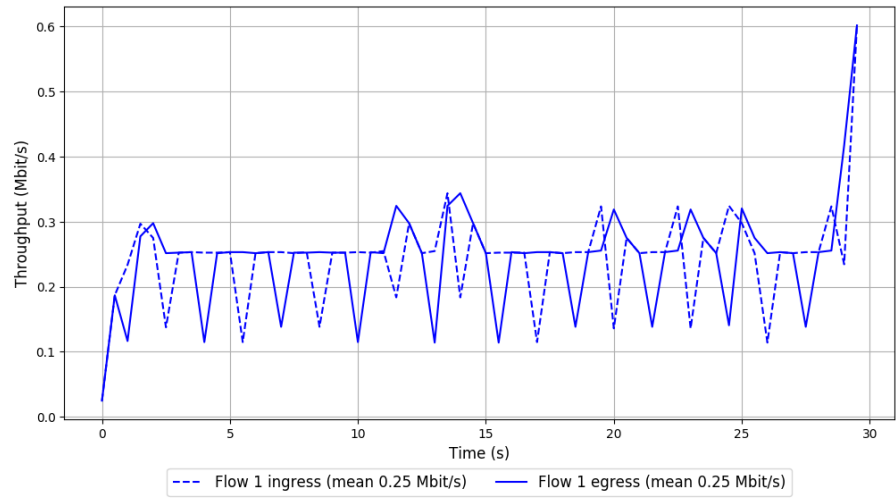
-- Flow 1:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 137.082 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-03-13 15:23:37

End at: 2018-03-13 15:24:07

Below is generated by plot.py at 2018-03-13 18:59:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.83 Mbit/s

95th percentile per-packet one-way delay: 137.535 ms

Loss rate: 0.00%

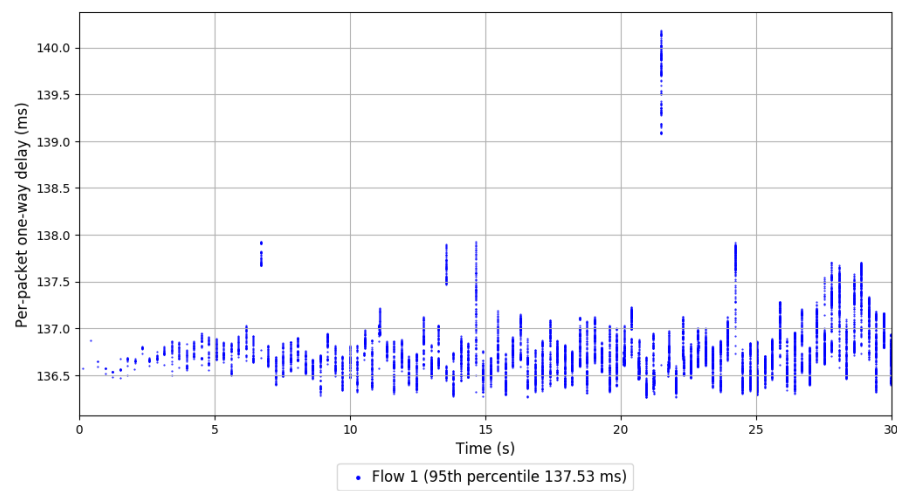
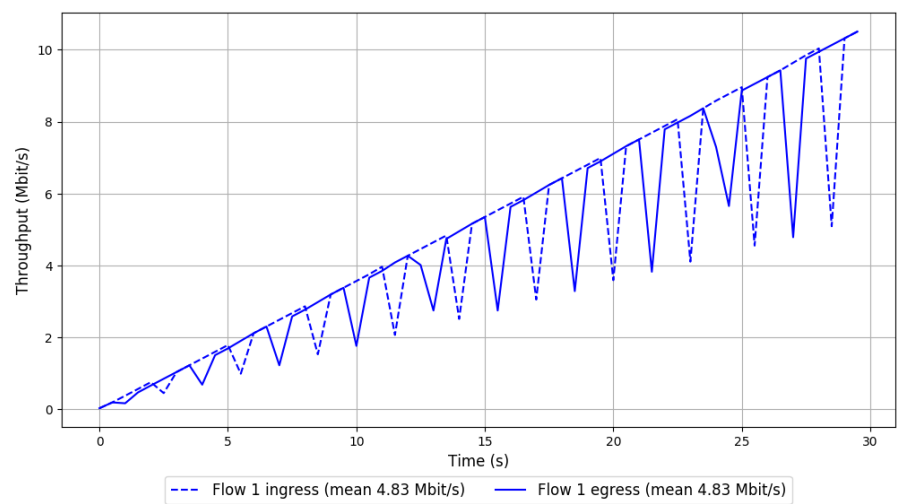
-- Flow 1:

Average throughput: 4.83 Mbit/s

95th percentile per-packet one-way delay: 137.535 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-03-13 15:39:30

End at: 2018-03-13 15:40:00

Below is generated by plot.py at 2018-03-13 18:59:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 136.901 ms

Loss rate: 0.00%

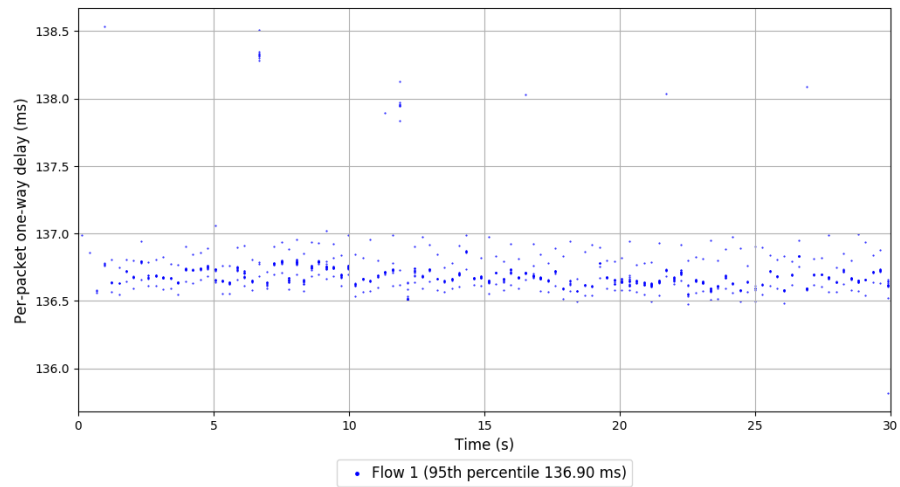
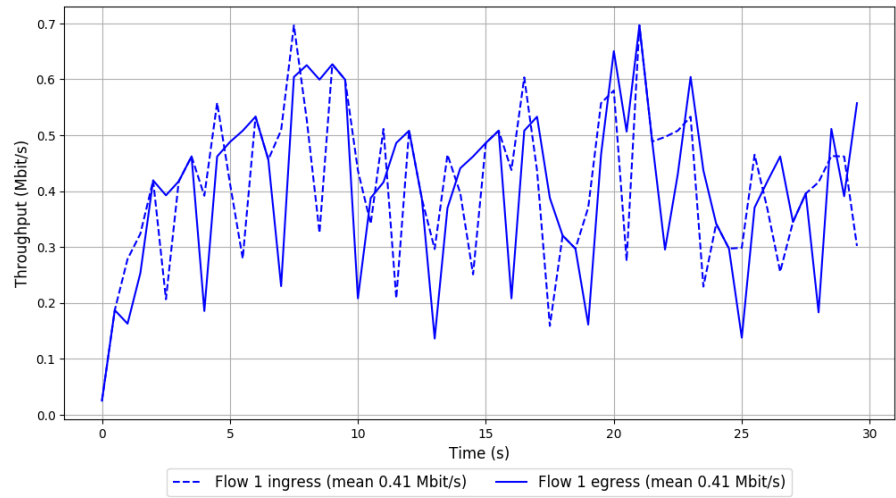
-- Flow 1:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 136.901 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-03-13 15:55:01

End at: 2018-03-13 15:55:31

Below is generated by plot.py at 2018-03-13 18:59:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.82 Mbit/s

95th percentile per-packet one-way delay: 137.564 ms

Loss rate: 0.00%

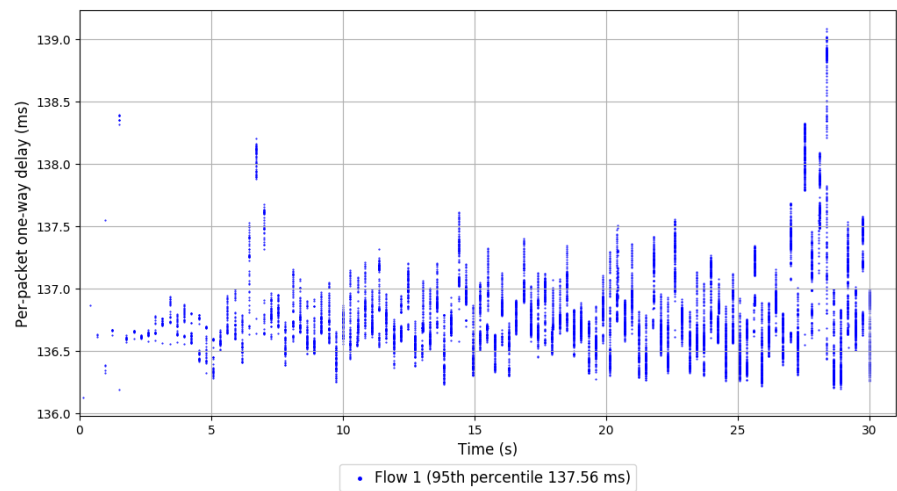
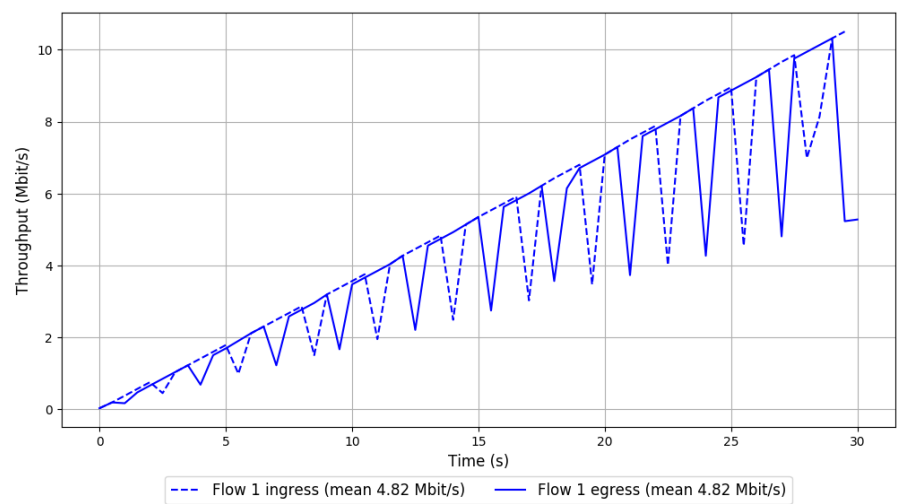
-- Flow 1:

Average throughput: 4.82 Mbit/s

95th percentile per-packet one-way delay: 137.564 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-03-13 16:10:52

End at: 2018-03-13 16:11:22

Below is generated by plot.py at 2018-03-13 18:59:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.90 Mbit/s

95th percentile per-packet one-way delay: 137.290 ms

Loss rate: 0.00%

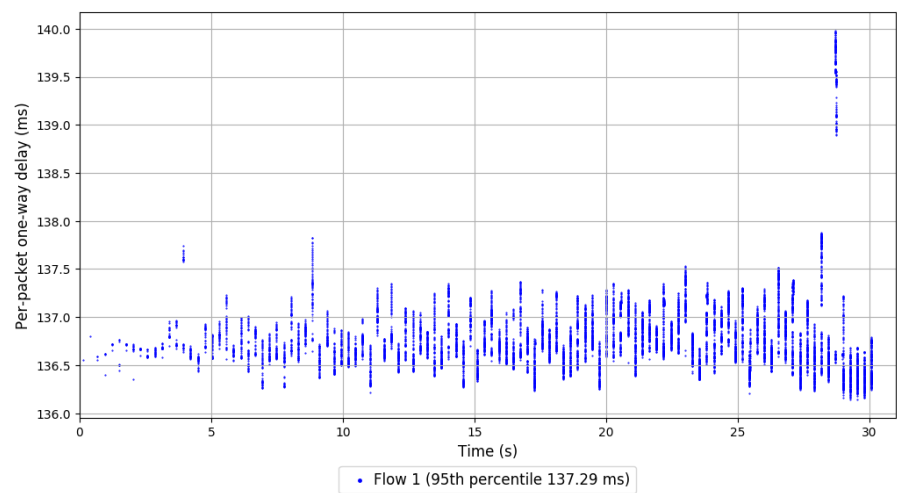
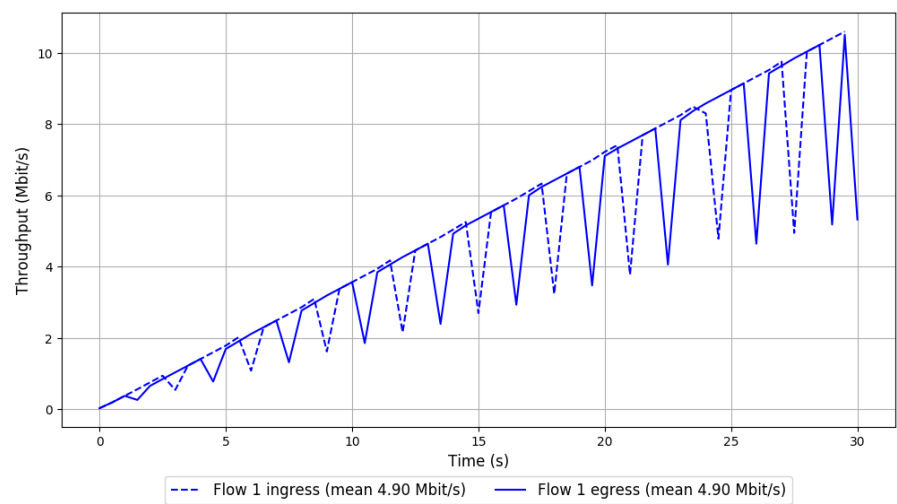
-- Flow 1:

Average throughput: 4.90 Mbit/s

95th percentile per-packet one-way delay: 137.290 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-03-13 16:26:26

End at: 2018-03-13 16:26:56

Below is generated by plot.py at 2018-03-13 18:59:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.83 Mbit/s

95th percentile per-packet one-way delay: 137.858 ms

Loss rate: 0.00%

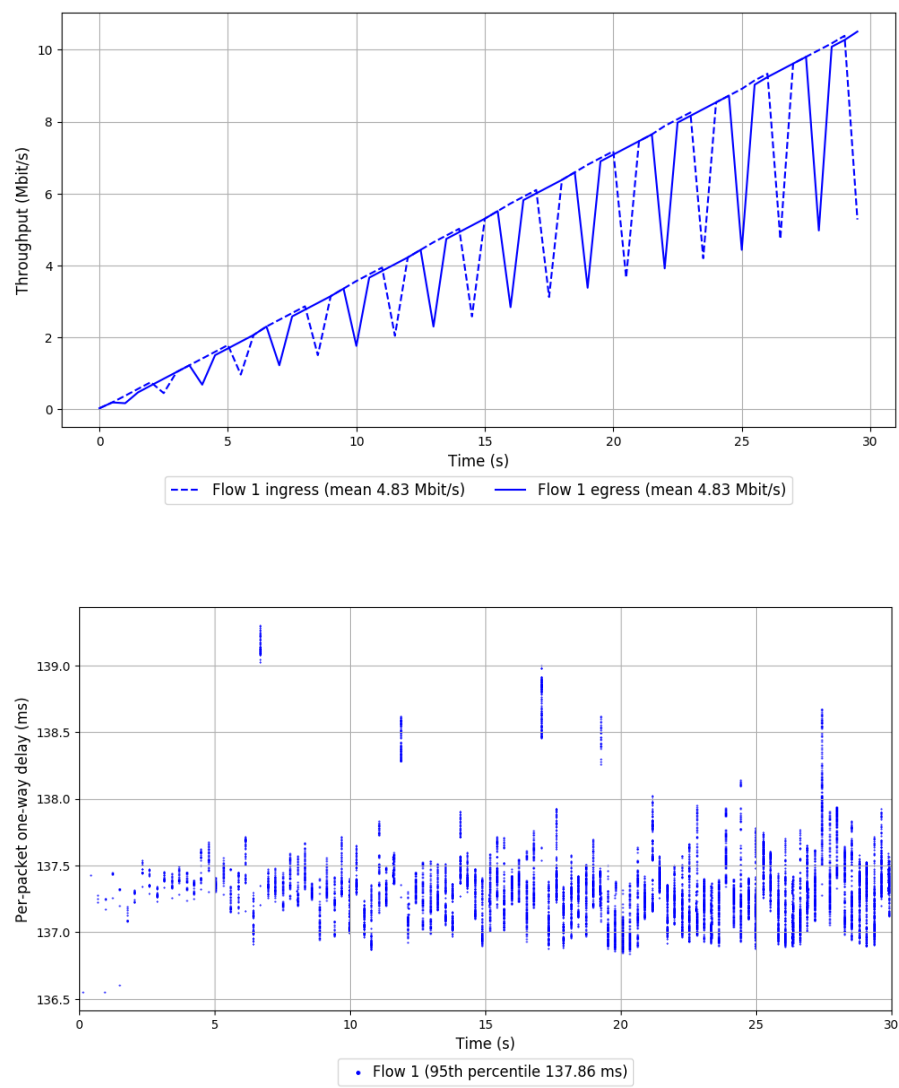
-- Flow 1:

Average throughput: 4.83 Mbit/s

95th percentile per-packet one-way delay: 137.858 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-03-13 16:42:15

End at: 2018-03-13 16:42:45

Below is generated by plot.py at 2018-03-13 18:59:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.83 Mbit/s

95th percentile per-packet one-way delay: 137.705 ms

Loss rate: 0.00%

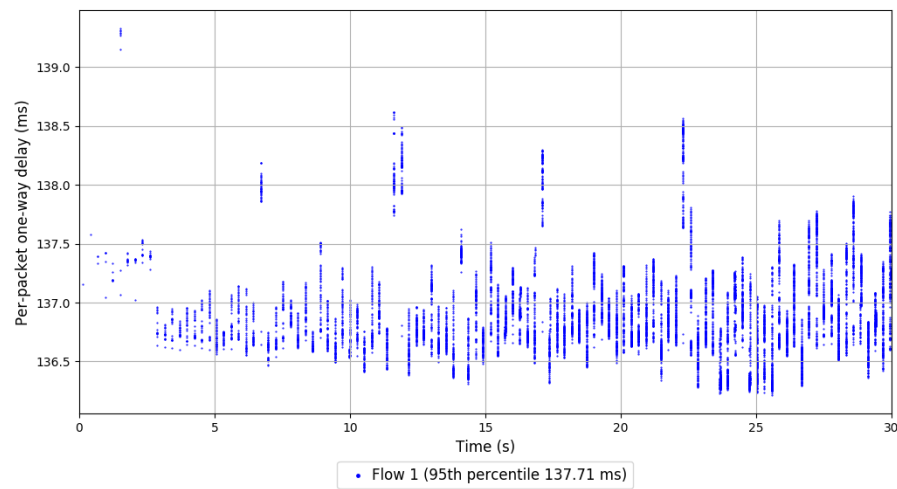
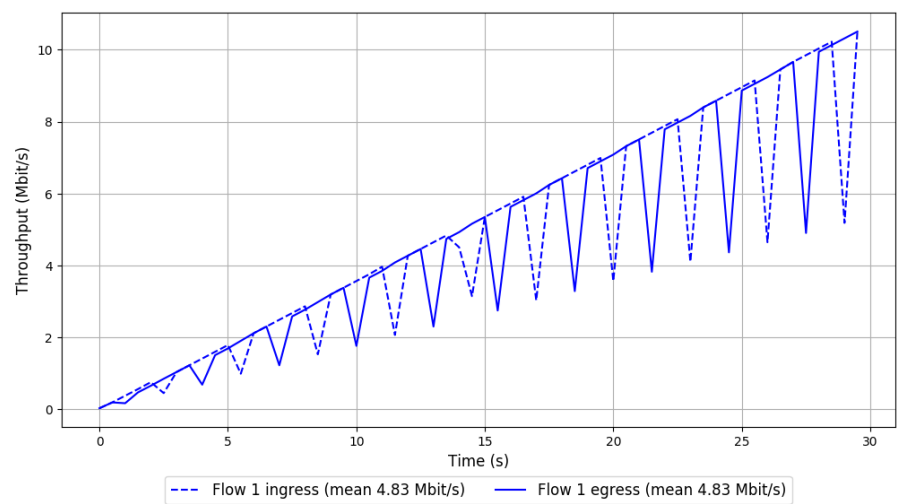
-- Flow 1:

Average throughput: 4.83 Mbit/s

95th percentile per-packet one-way delay: 137.705 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-03-13 16:58:17

End at: 2018-03-13 16:58:47

Below is generated by plot.py at 2018-03-13 18:59:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.82 Mbit/s

95th percentile per-packet one-way delay: 137.700 ms

Loss rate: 0.00%

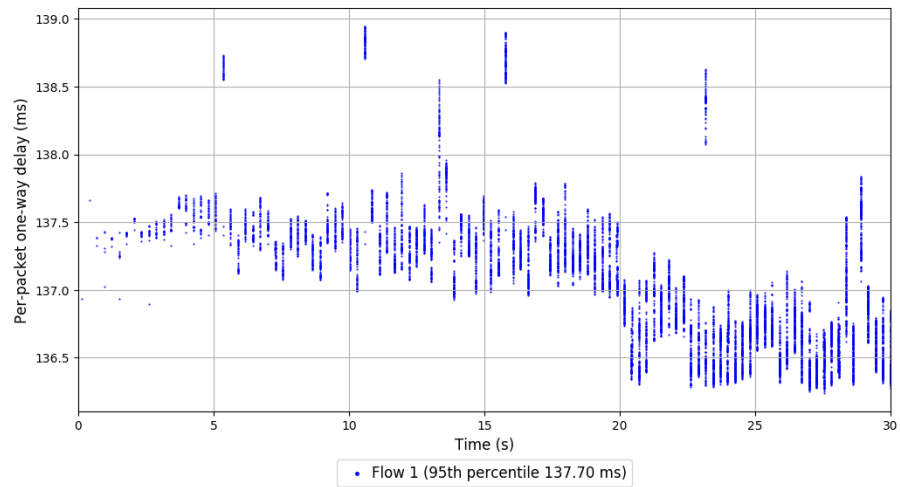
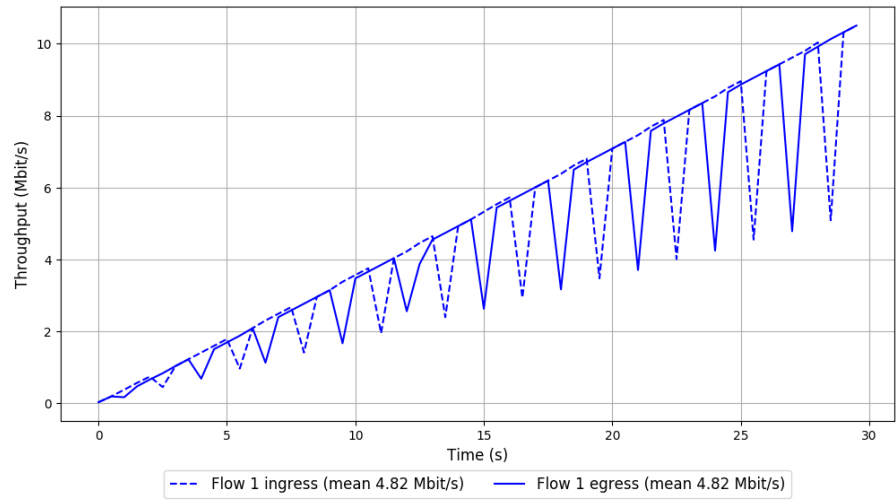
-- Flow 1:

Average throughput: 4.82 Mbit/s

95th percentile per-packet one-way delay: 137.700 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-03-13 17:13:53

End at: 2018-03-13 17:14:23

Below is generated by plot.py at 2018-03-13 18:59:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.81 Mbit/s

95th percentile per-packet one-way delay: 137.664 ms

Loss rate: 0.00%

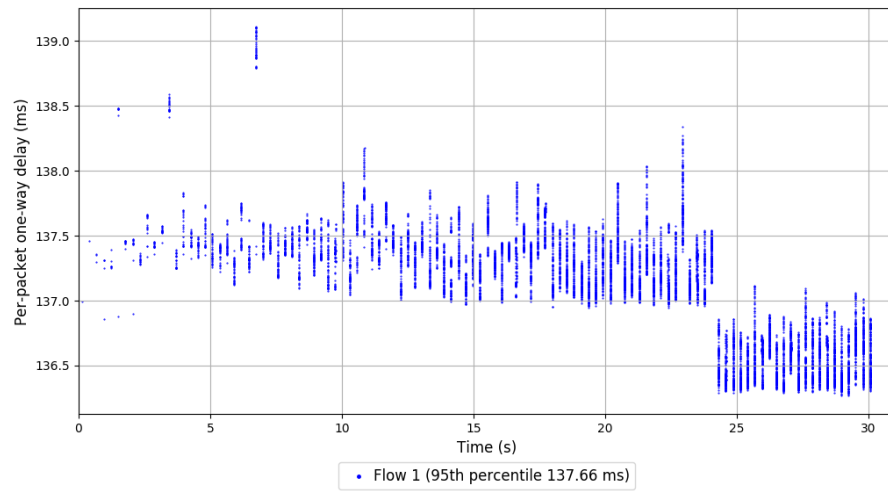
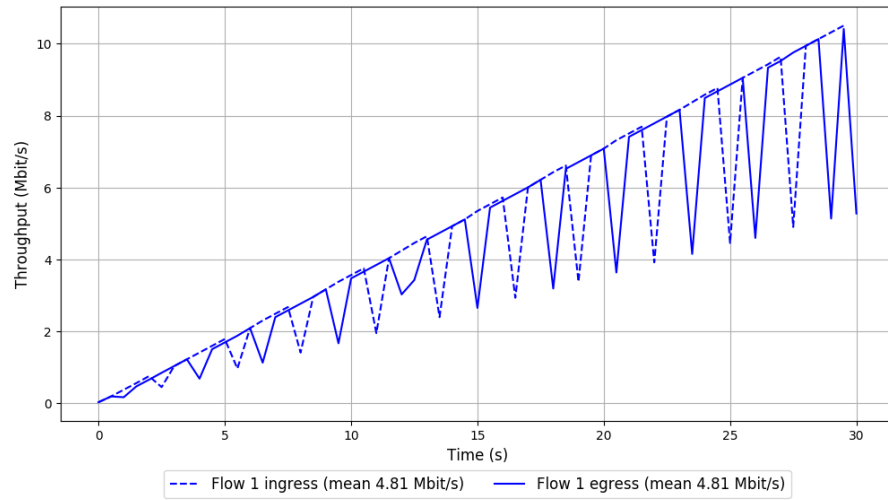
-- Flow 1:

Average throughput: 4.81 Mbit/s

95th percentile per-packet one-way delay: 137.664 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

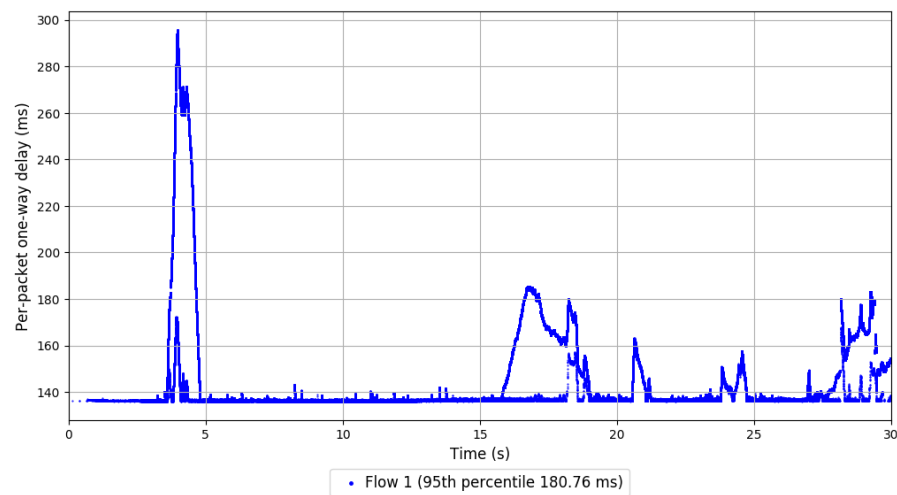
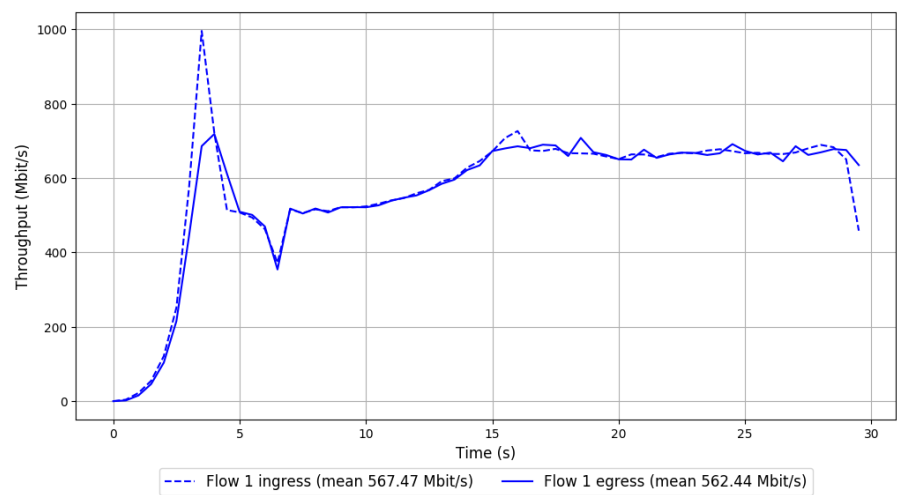


```
Run 1: Statistics of PCC

Start at: 2018-03-13 15:04:37
End at: 2018-03-13 15:05:07

# Below is generated by plot.py at 2018-03-13 19:10:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 562.44 Mbit/s
95th percentile per-packet one-way delay: 180.763 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 562.44 Mbit/s
95th percentile per-packet one-way delay: 180.763 ms
Loss rate: 0.89%
```

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-03-13 15:20:21

End at: 2018-03-13 15:20:51

Below is generated by plot.py at 2018-03-13 19:10:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 561.38 Mbit/s

95th percentile per-packet one-way delay: 165.890 ms

Loss rate: 0.89%

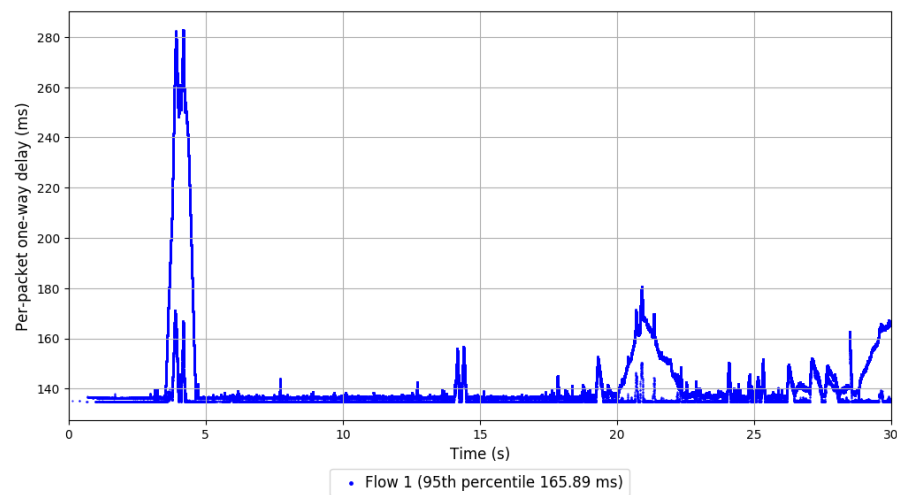
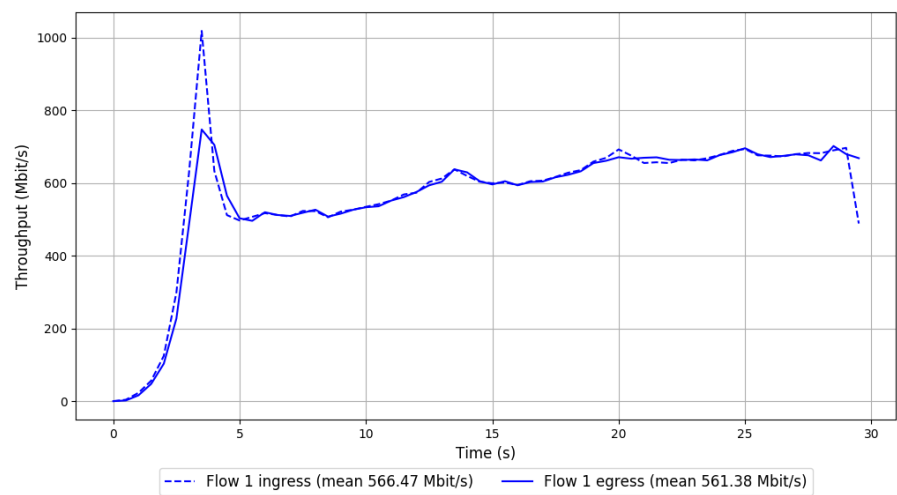
-- Flow 1:

Average throughput: 561.38 Mbit/s

95th percentile per-packet one-way delay: 165.890 ms

Loss rate: 0.89%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-03-13 15:36:11

End at: 2018-03-13 15:36:41

Below is generated by plot.py at 2018-03-13 19:11:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 563.52 Mbit/s

95th percentile per-packet one-way delay: 201.402 ms

Loss rate: 1.02%

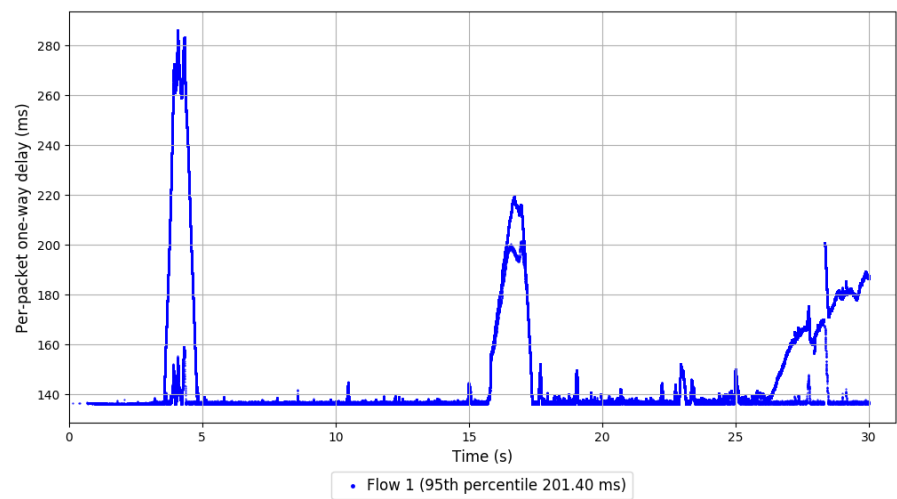
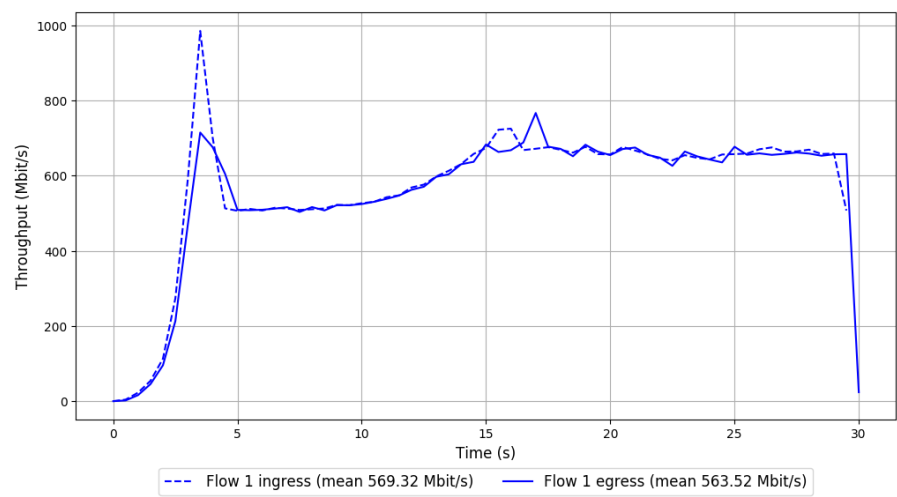
-- Flow 1:

Average throughput: 563.52 Mbit/s

95th percentile per-packet one-way delay: 201.402 ms

Loss rate: 1.02%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-03-13 15:51:40

End at: 2018-03-13 15:52:10

Below is generated by plot.py at 2018-03-13 19:11:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 560.73 Mbit/s

95th percentile per-packet one-way delay: 252.867 ms

Loss rate: 2.06%

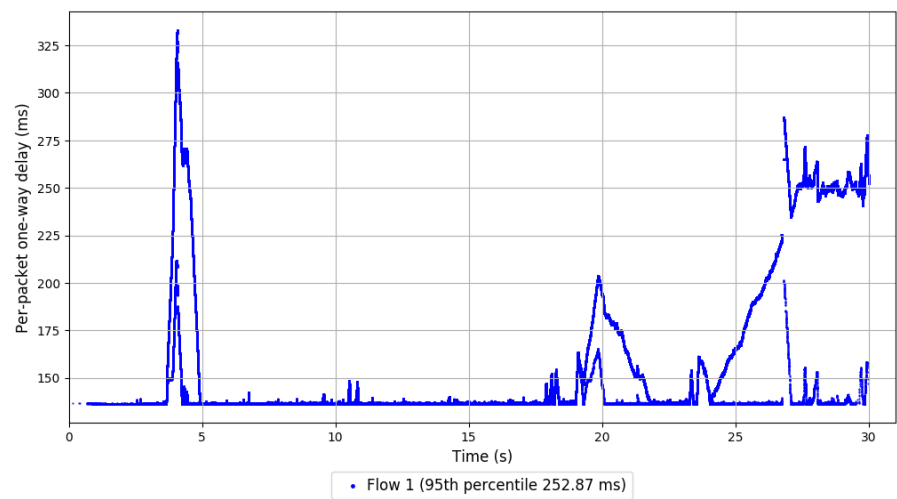
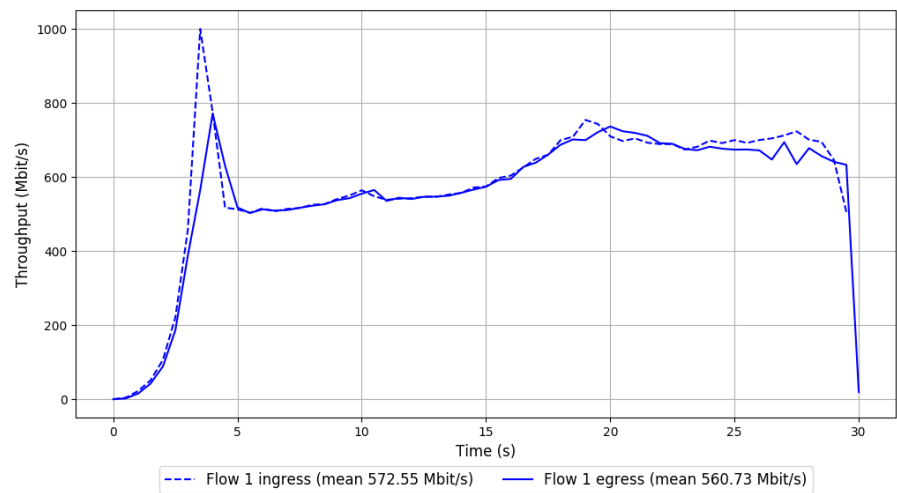
-- Flow 1:

Average throughput: 560.73 Mbit/s

95th percentile per-packet one-way delay: 252.867 ms

Loss rate: 2.06%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-03-13 16:07:32

End at: 2018-03-13 16:08:02

Below is generated by plot.py at 2018-03-13 19:11:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 540.36 Mbit/s

95th percentile per-packet one-way delay: 160.017 ms

Loss rate: 0.94%

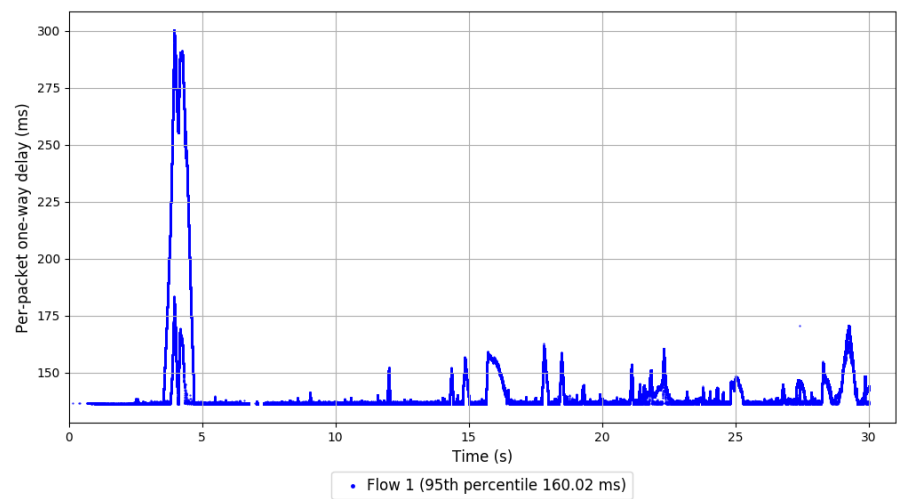
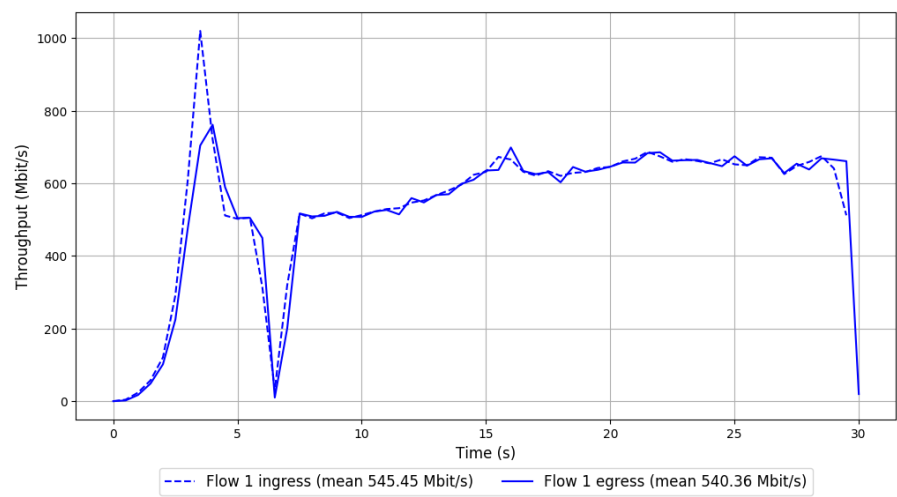
-- Flow 1:

Average throughput: 540.36 Mbit/s

95th percentile per-packet one-way delay: 160.017 ms

Loss rate: 0.94%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-03-13 16:23:07

End at: 2018-03-13 16:23:37

Below is generated by plot.py at 2018-03-13 19:11:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 556.66 Mbit/s

95th percentile per-packet one-way delay: 196.618 ms

Loss rate: 1.15%

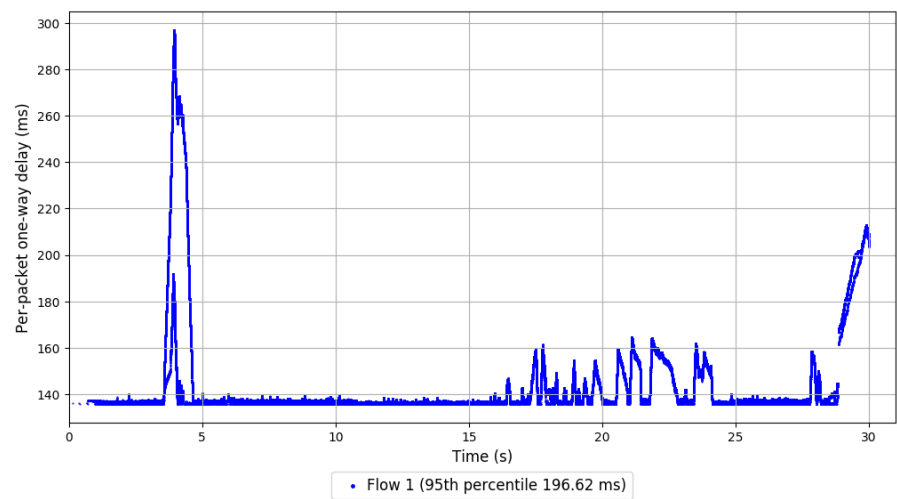
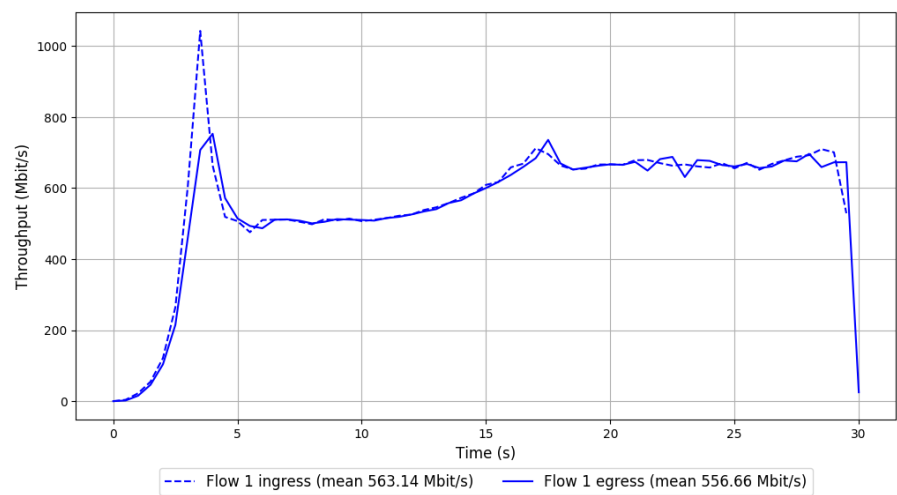
-- Flow 1:

Average throughput: 556.66 Mbit/s

95th percentile per-packet one-way delay: 196.618 ms

Loss rate: 1.15%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-03-13 16:38:54

End at: 2018-03-13 16:39:24

Below is generated by plot.py at 2018-03-13 19:12:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 567.88 Mbit/s

95th percentile per-packet one-way delay: 247.530 ms

Loss rate: 1.47%

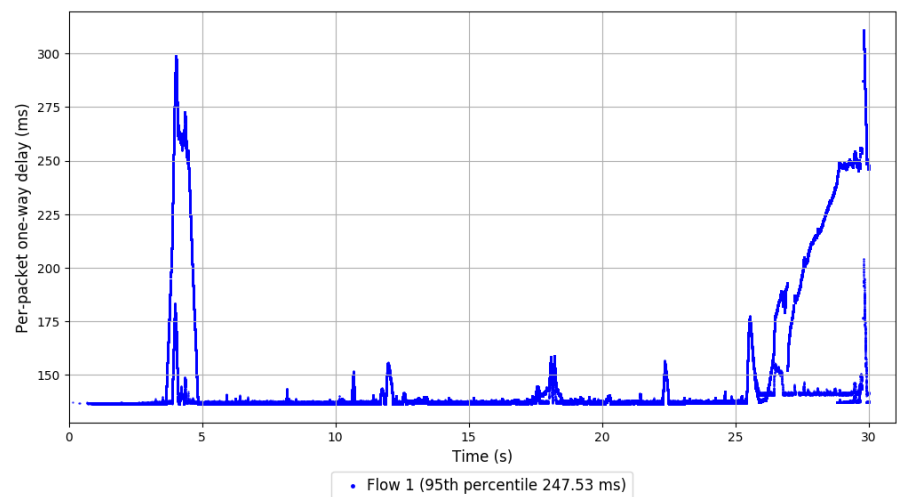
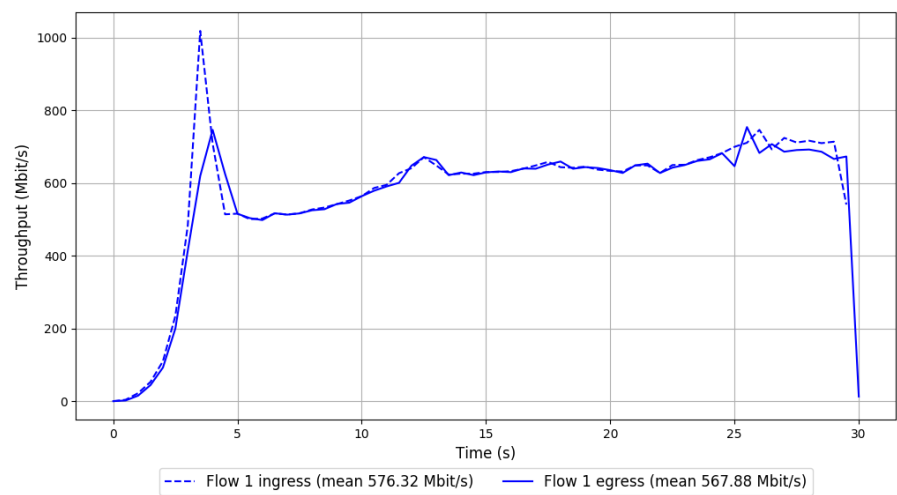
-- Flow 1:

Average throughput: 567.88 Mbit/s

95th percentile per-packet one-way delay: 247.530 ms

Loss rate: 1.47%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-03-13 16:54:57

End at: 2018-03-13 16:55:27

Below is generated by plot.py at 2018-03-13 19:13:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 574.26 Mbit/s

95th percentile per-packet one-way delay: 188.370 ms

Loss rate: 0.81%

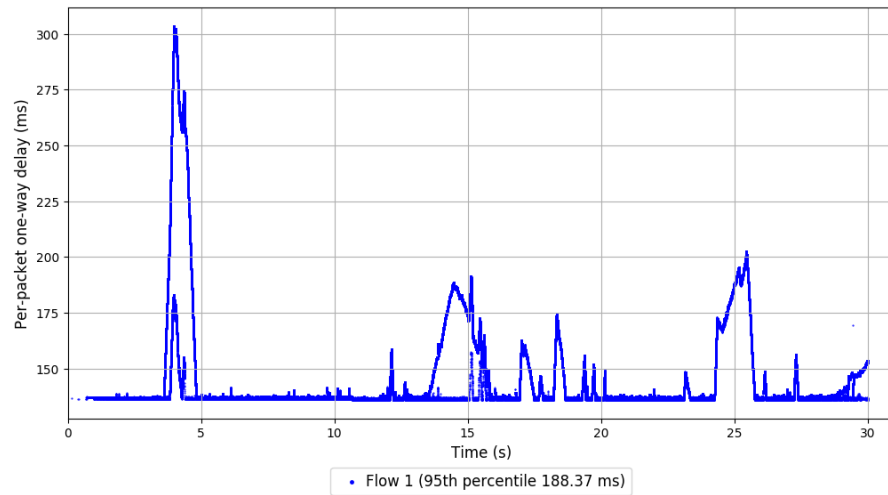
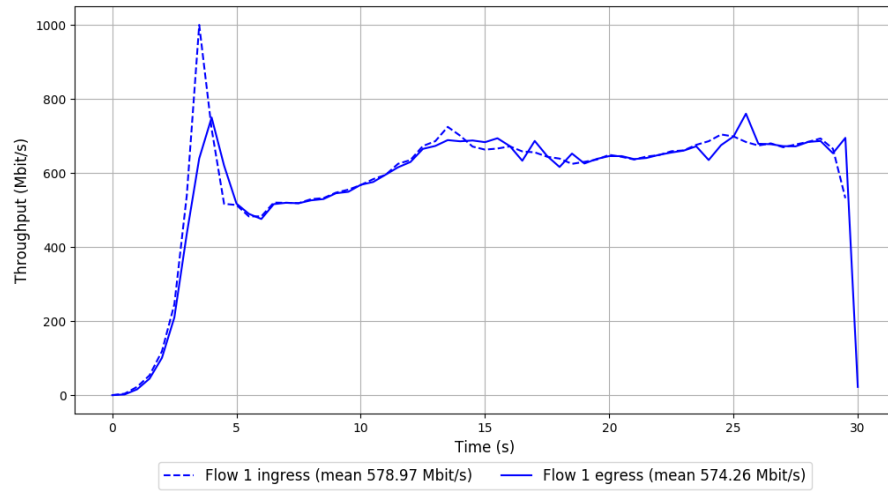
-- Flow 1:

Average throughput: 574.26 Mbit/s

95th percentile per-packet one-way delay: 188.370 ms

Loss rate: 0.81%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-03-13 17:10:35

End at: 2018-03-13 17:11:05

Below is generated by plot.py at 2018-03-13 19:23:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 532.89 Mbit/s

95th percentile per-packet one-way delay: 175.032 ms

Loss rate: 0.91%

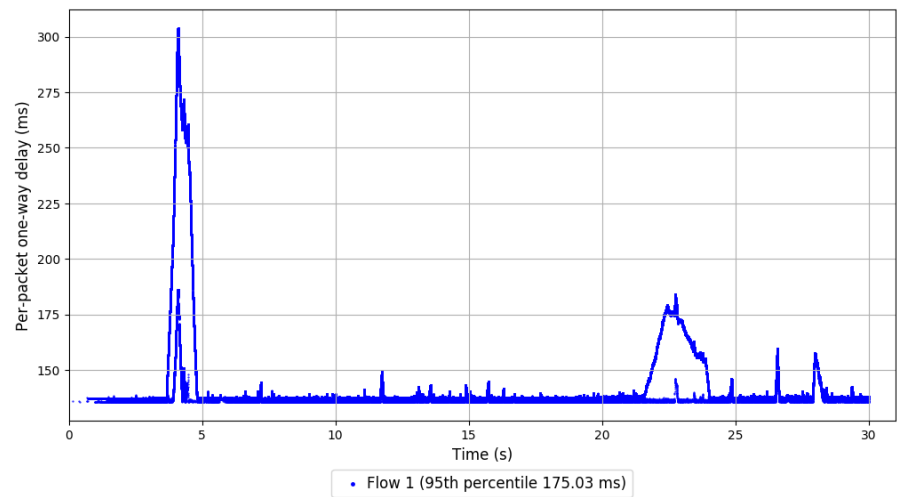
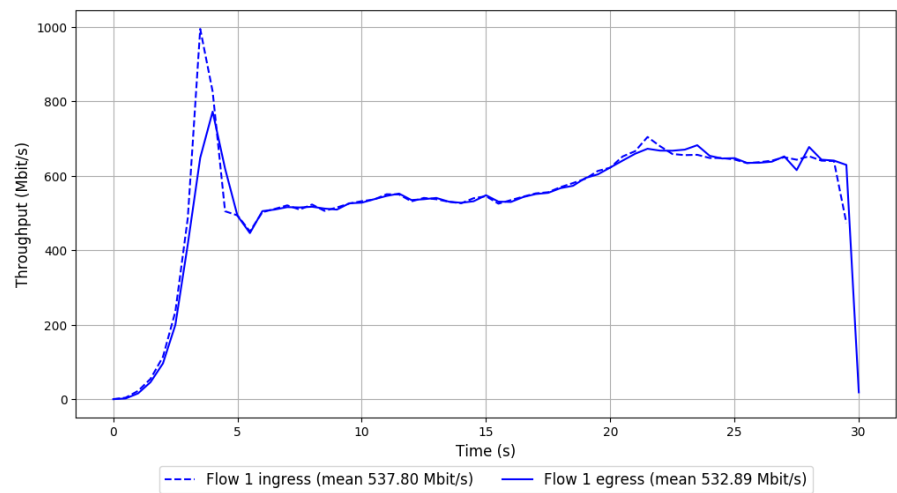
-- Flow 1:

Average throughput: 532.89 Mbit/s

95th percentile per-packet one-way delay: 175.032 ms

Loss rate: 0.91%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-03-13 17:26:38

End at: 2018-03-13 17:27:08

Below is generated by plot.py at 2018-03-13 19:23:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 513.12 Mbit/s

95th percentile per-packet one-way delay: 152.940 ms

Loss rate: 0.82%

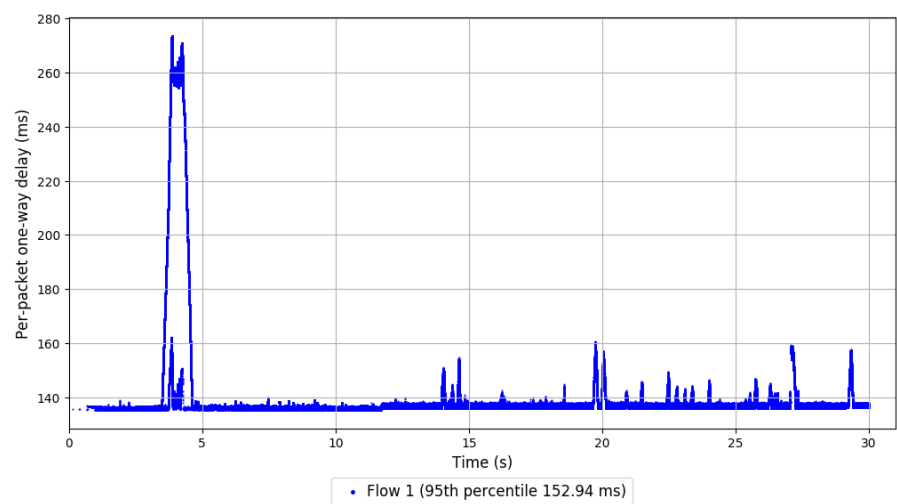
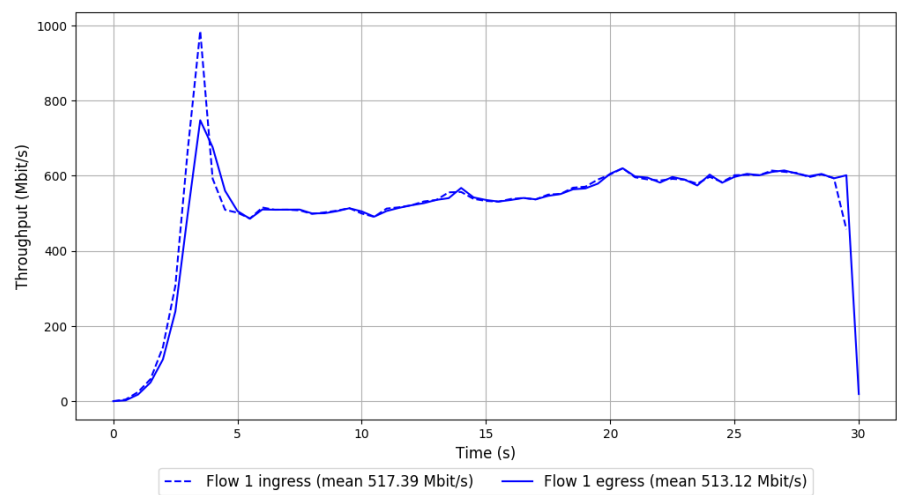
-- Flow 1:

Average throughput: 513.12 Mbit/s

95th percentile per-packet one-way delay: 152.940 ms

Loss rate: 0.82%

Run 10: Report of PCC — Data Link

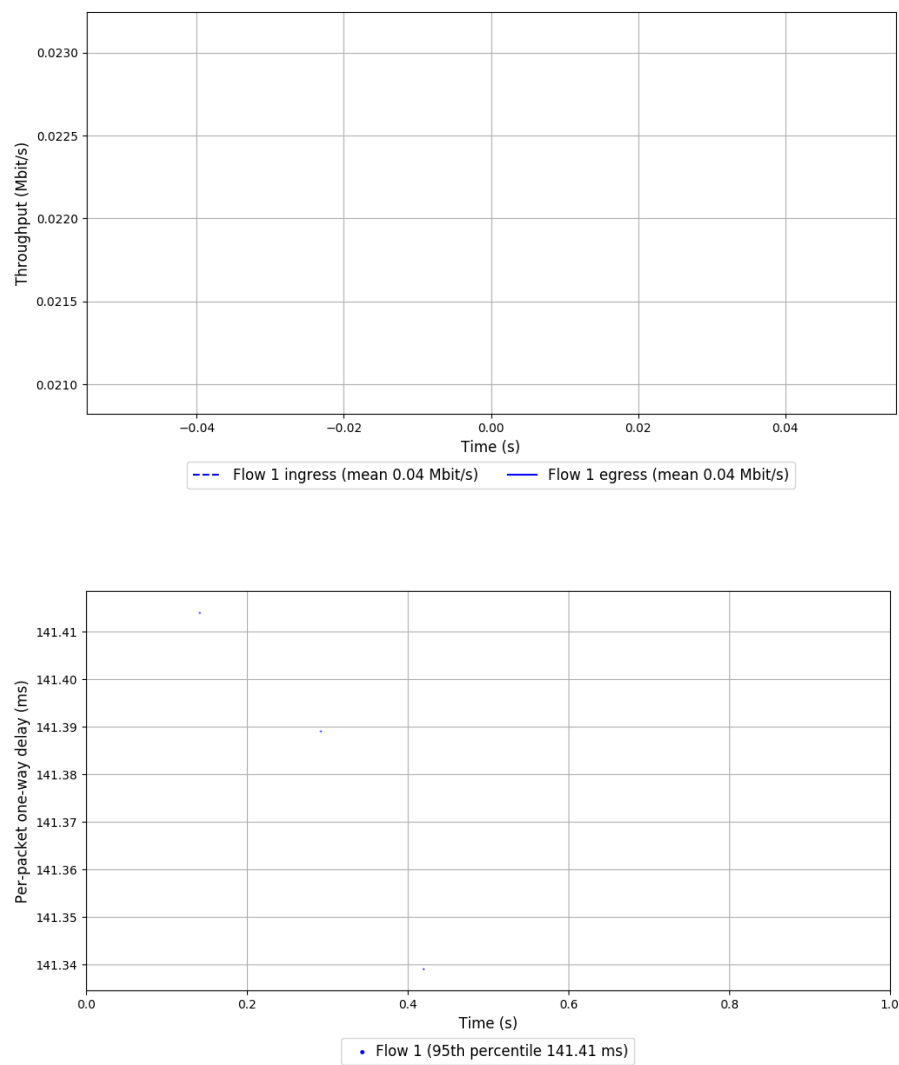


Run 1: Statistics of QUIC Cubic

Start at: 2018-03-13 14:58:33

End at: 2018-03-13 14:59:03

Run 1: Report of QUIC Cubic — Data Link

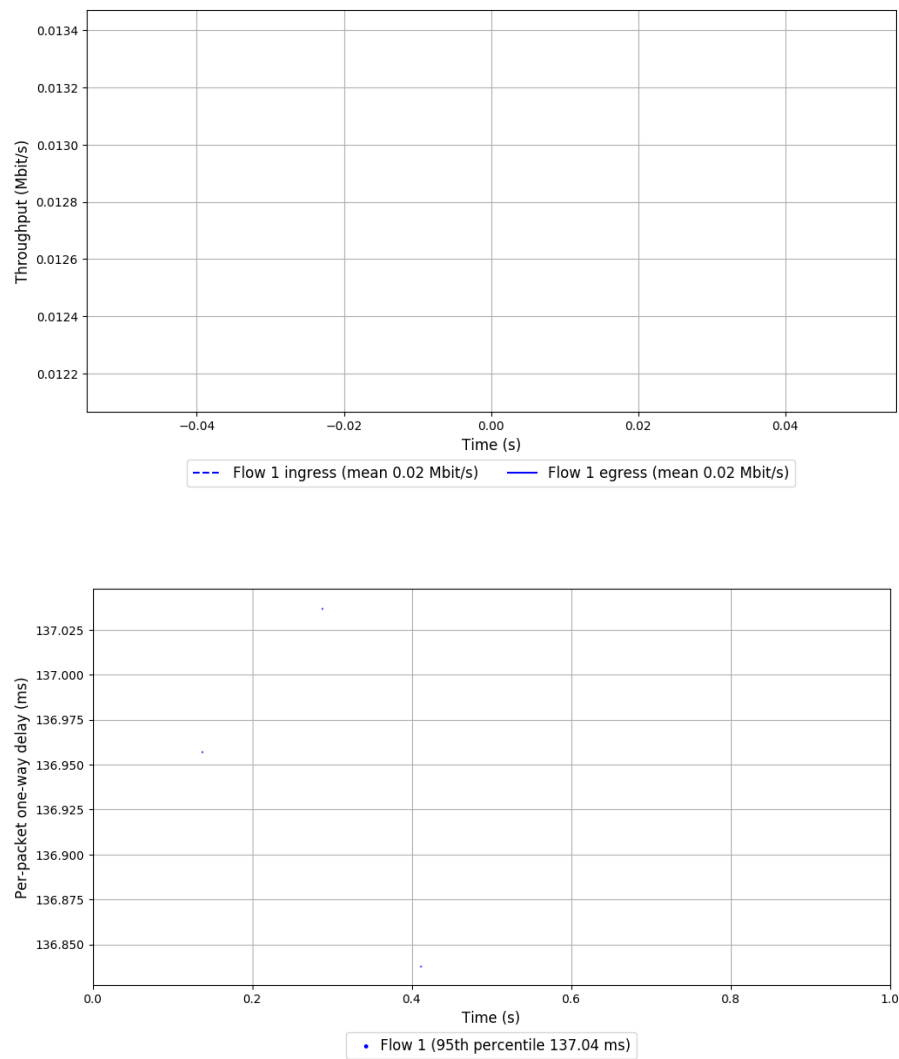


Run 2: Statistics of QUIC Cubic

Start at: 2018-03-13 15:14:36

End at: 2018-03-13 15:15:06

Run 2: Report of QUIC Cubic — Data Link

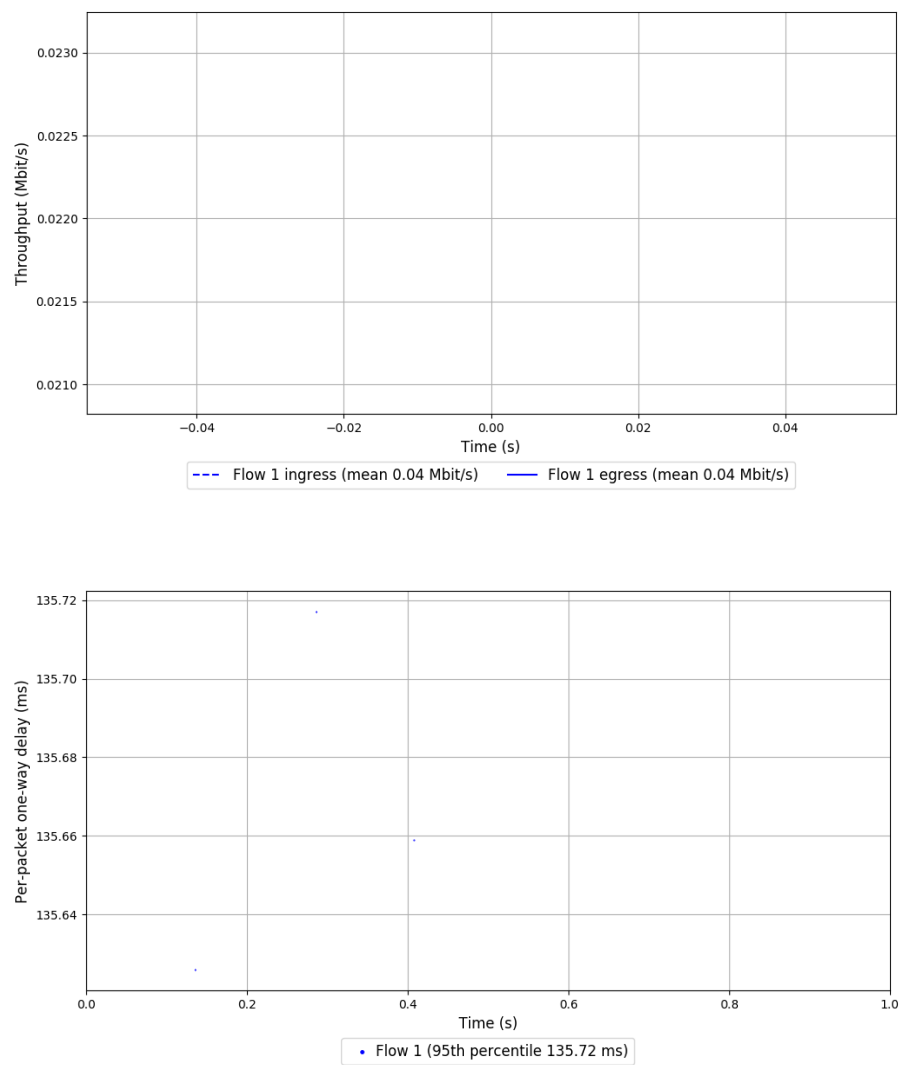


Run 3: Statistics of QUIC Cubic

Start at: 2018-03-13 15:30:18

End at: 2018-03-13 15:30:48

Run 3: Report of QUIC Cubic — Data Link

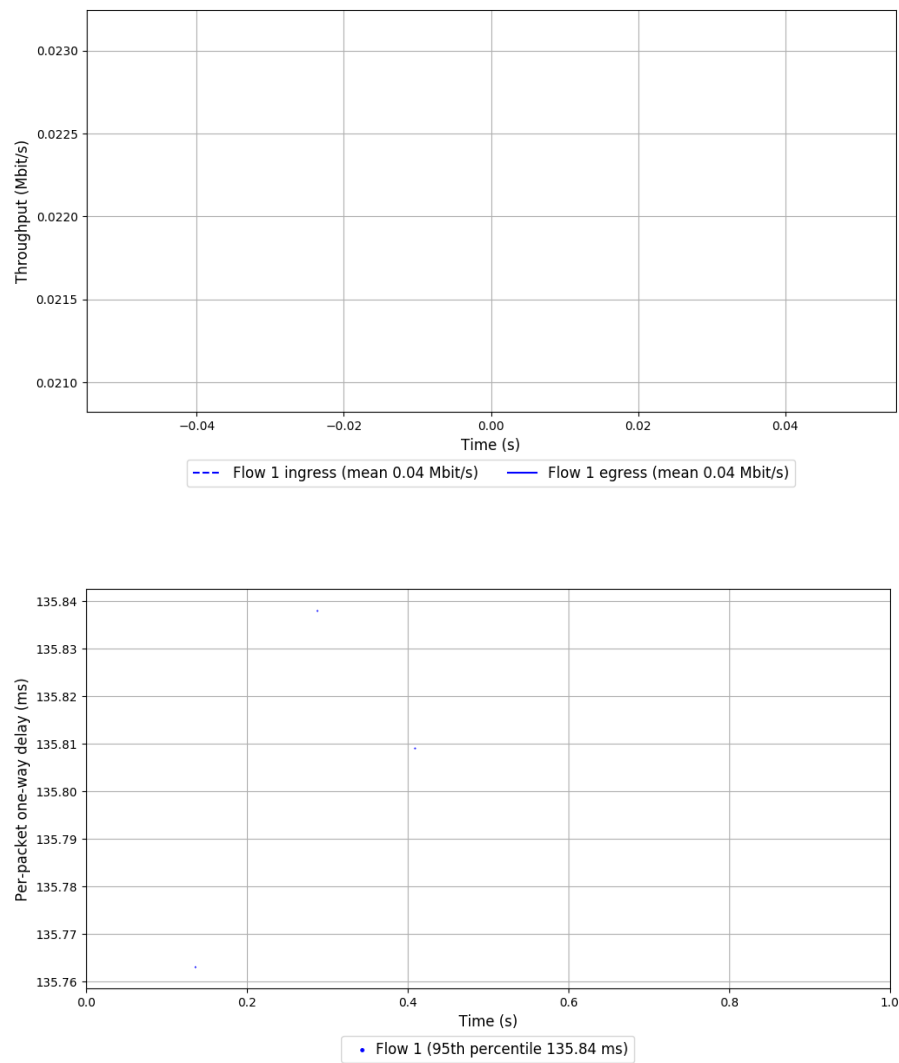


Run 4: Statistics of QUIC Cubic

Start at: 2018-03-13 15:45:55

End at: 2018-03-13 15:46:26

Run 4: Report of QUIC Cubic — Data Link

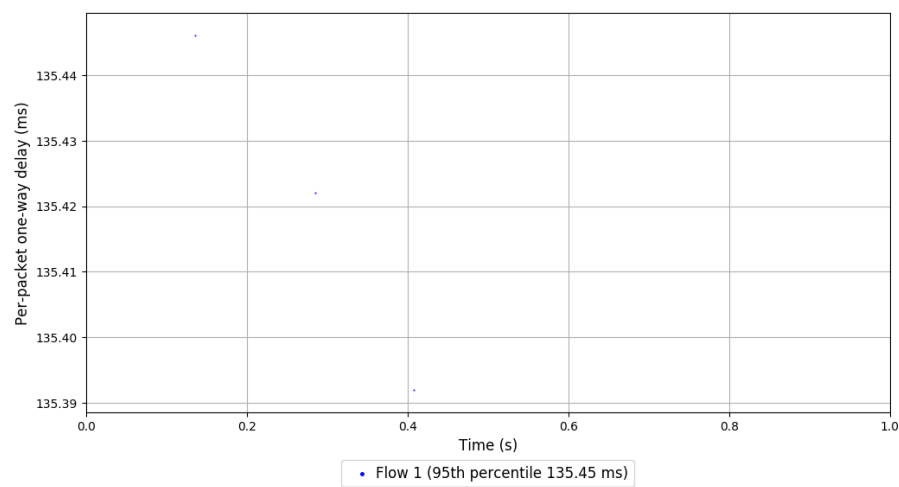
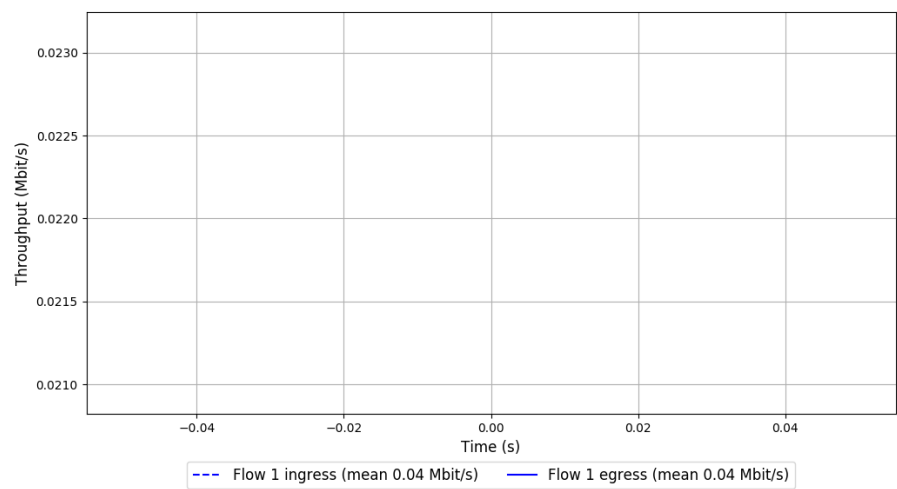


Run 5: Statistics of QUIC Cubic

Start at: 2018-03-13 16:01:36

End at: 2018-03-13 16:02:06

Run 5: Report of QUIC Cubic — Data Link

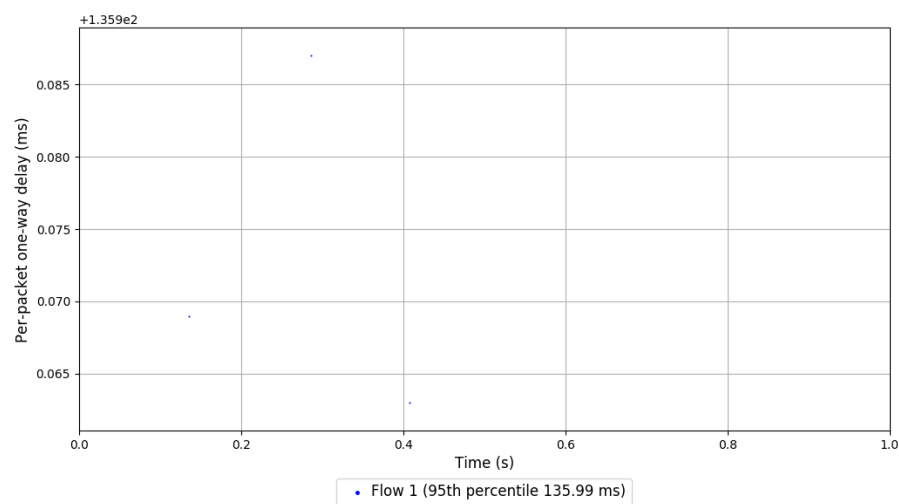
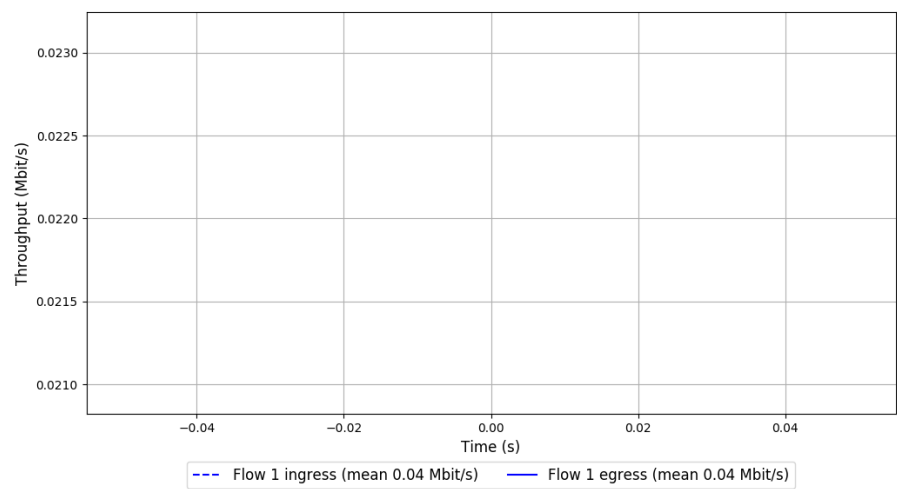


Run 6: Statistics of QUIC Cubic

Start at: 2018-03-13 16:17:20

End at: 2018-03-13 16:17:50

Run 6: Report of QUIC Cubic — Data Link

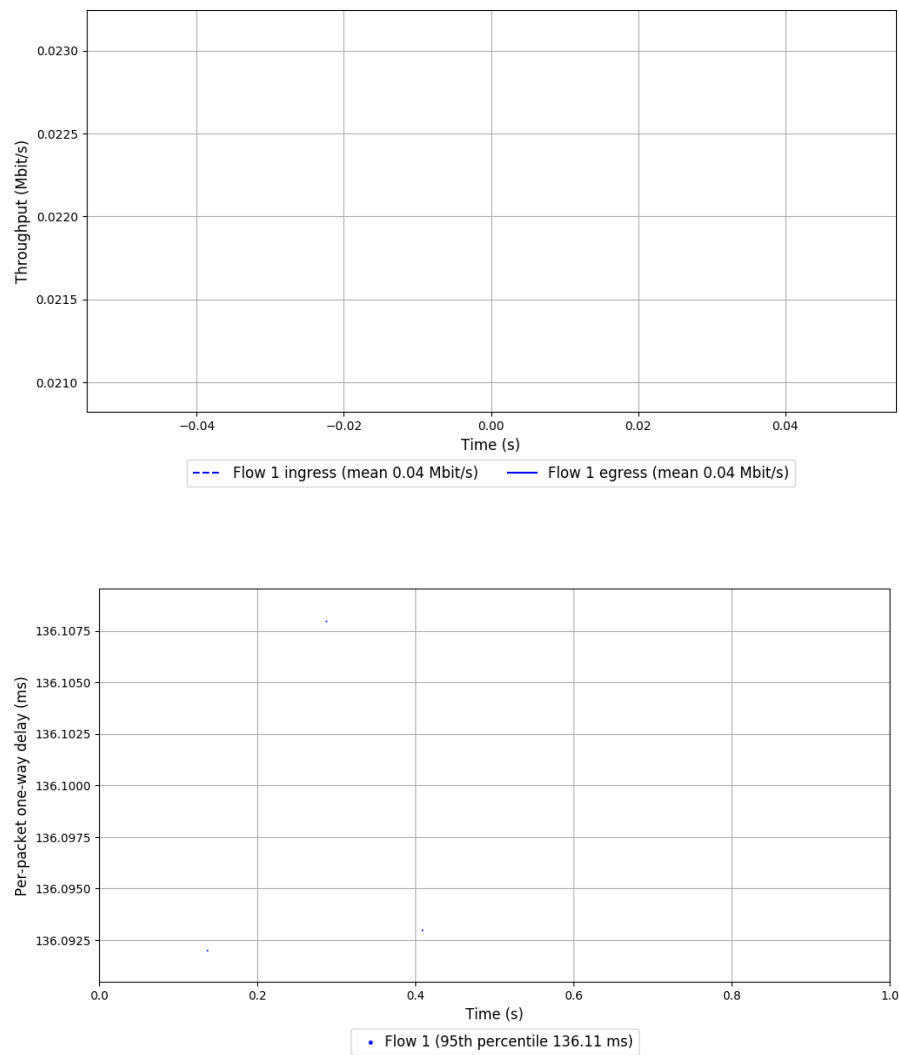


Run 7: Statistics of QUIC Cubic

Start at: 2018-03-13 16:33:03

End at: 2018-03-13 16:33:33

Run 7: Report of QUIC Cubic — Data Link

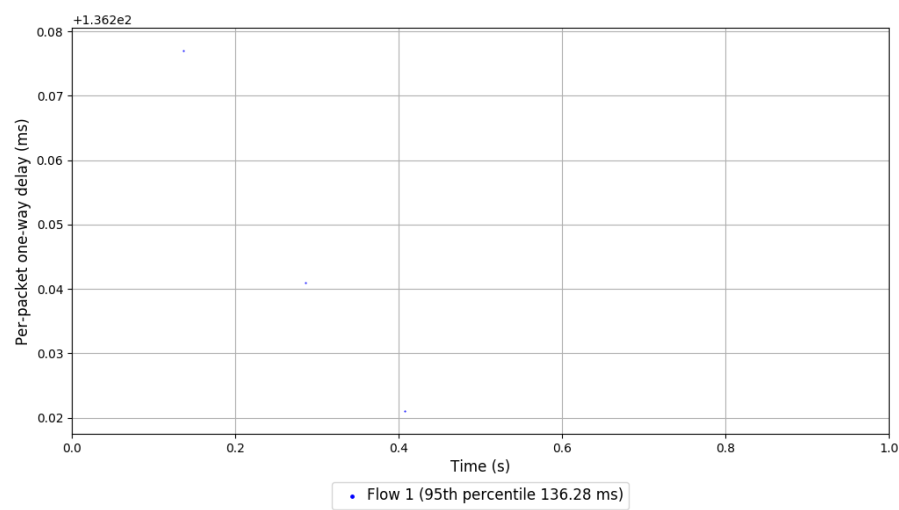
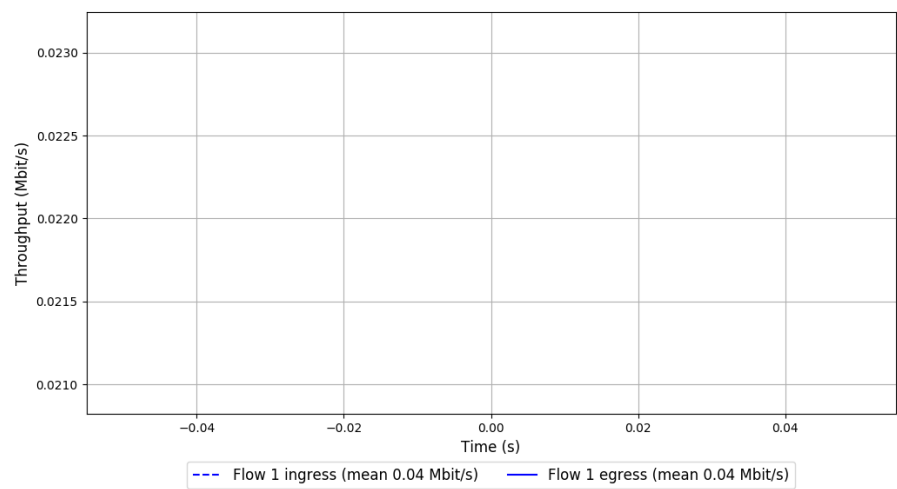


Run 8: Statistics of QUIC Cubic

Start at: 2018-03-13 16:48:49

End at: 2018-03-13 16:49:19

Run 8: Report of QUIC Cubic — Data Link

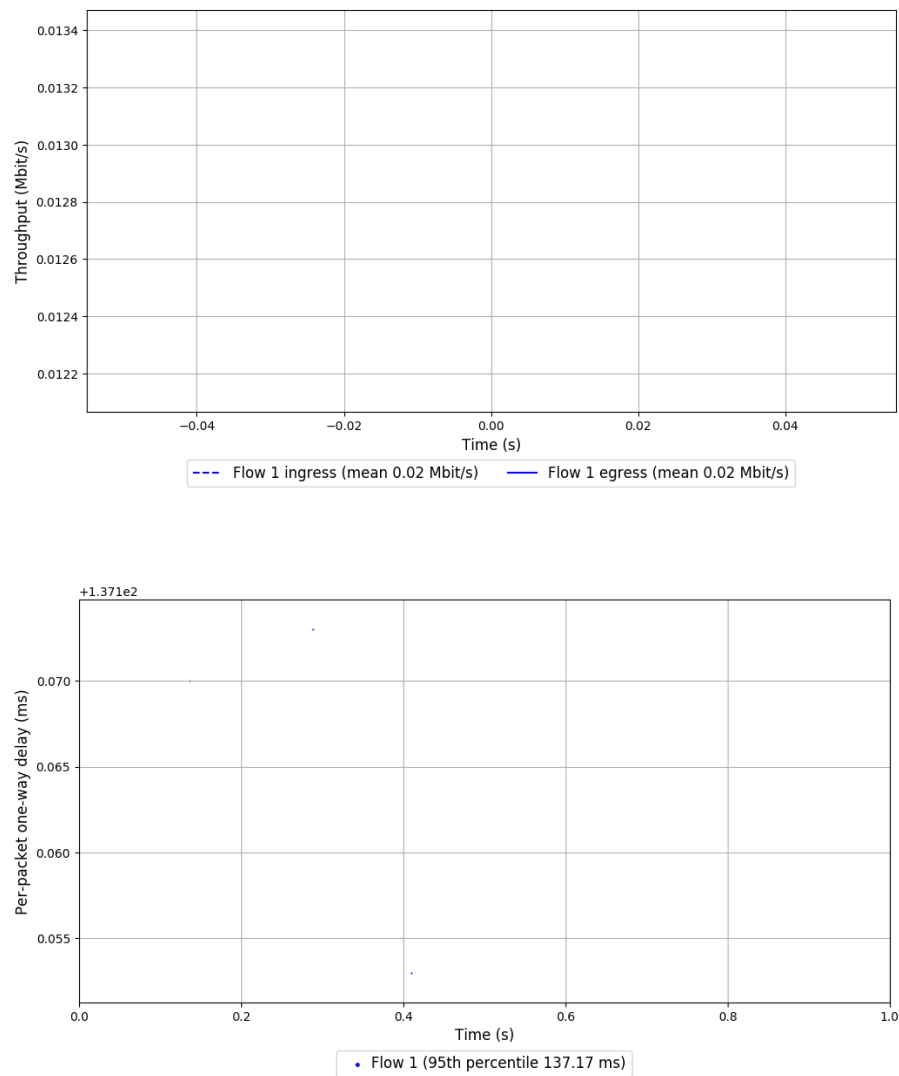


Run 9: Statistics of QUIC Cubic

Start at: 2018-03-13 17:04:46

End at: 2018-03-13 17:05:16

Run 9: Report of QUIC Cubic — Data Link

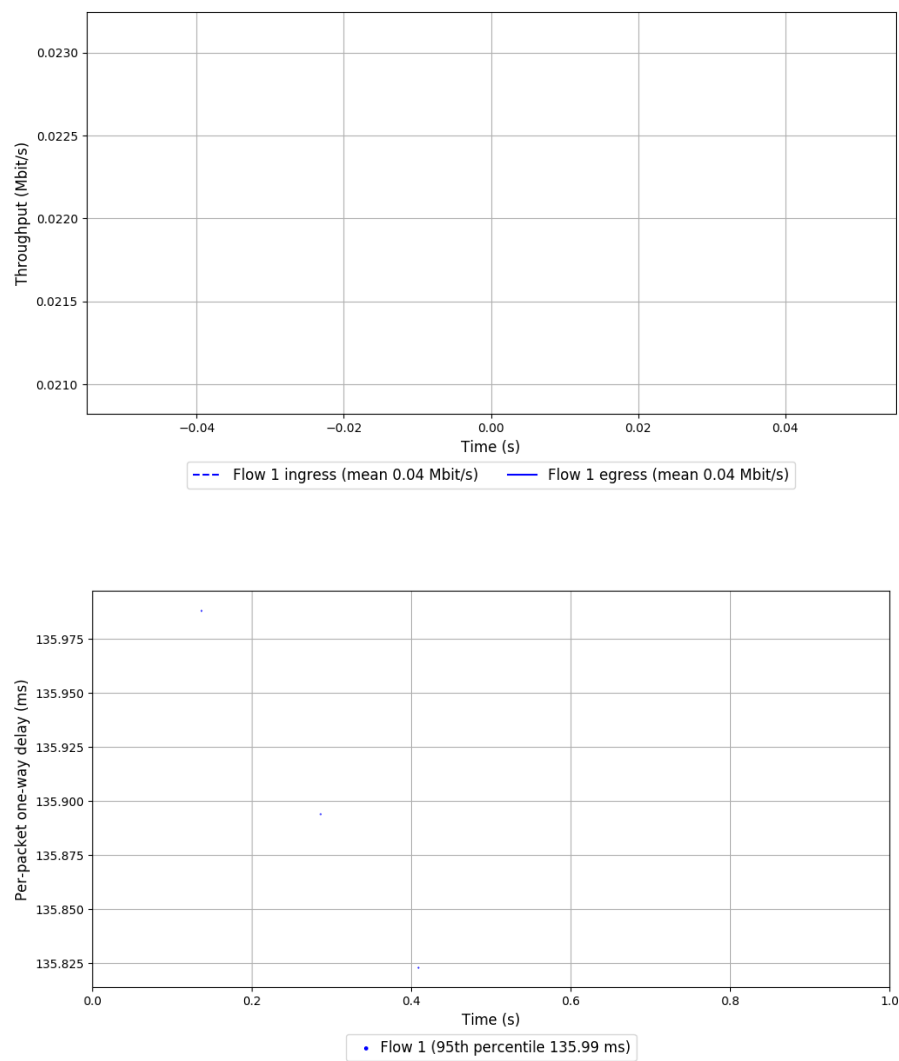


Run 10: Statistics of QUIC Cubic

Start at: 2018-03-13 17:20:30

End at: 2018-03-13 17:21:00

Run 10: Report of QUIC Cubic — Data Link

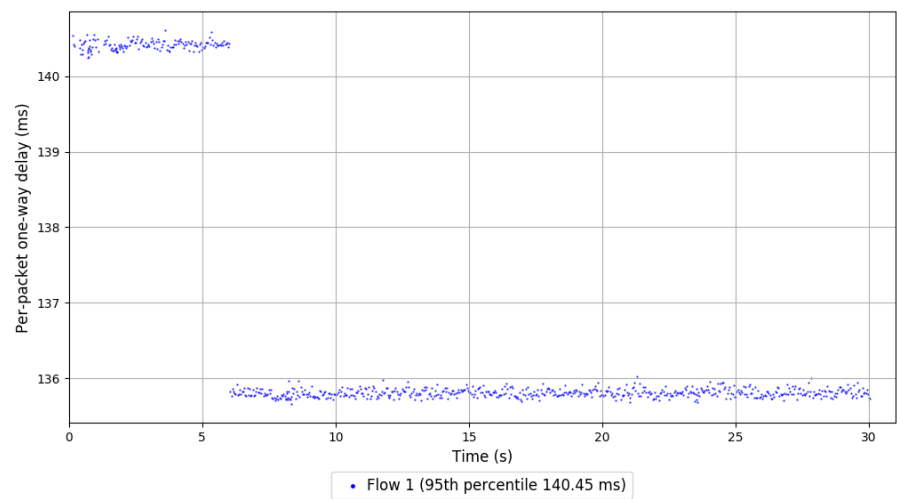
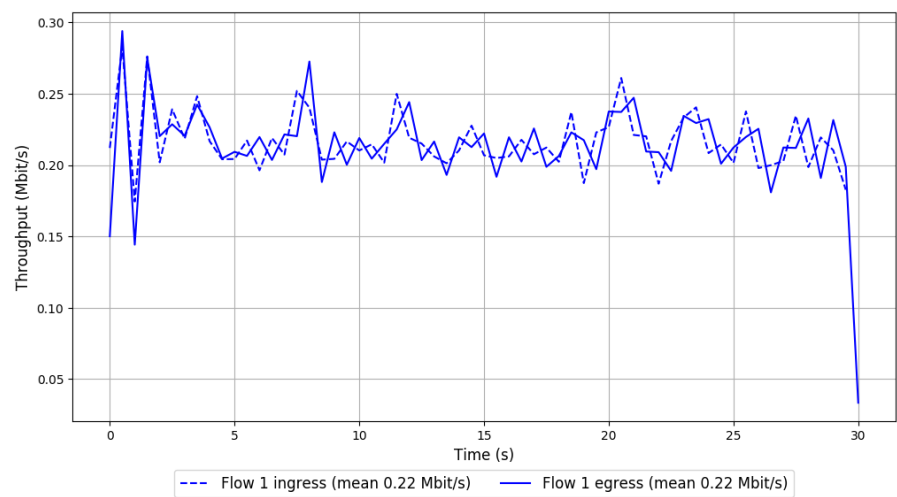


```
Run 1: Statistics of SCReAM

Start at: 2018-03-13 14:51:21
End at: 2018-03-13 14:51:51

# Below is generated by plot.py at 2018-03-13 19:23:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 140.452 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 140.452 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

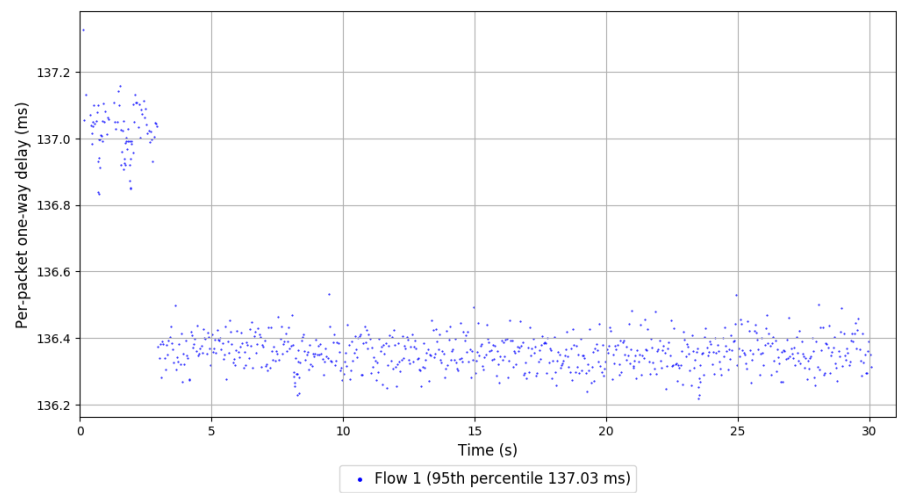
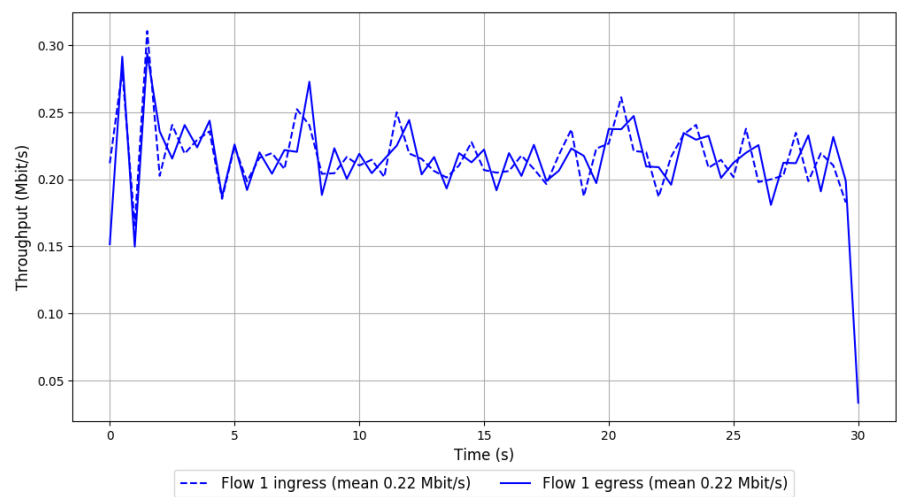


```
Run 2: Statistics of SCReAM

Start at: 2018-03-13 15:07:17
End at: 2018-03-13 15:07:47

# Below is generated by plot.py at 2018-03-13 19:23:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.035 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.035 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-03-13 15:22:55

End at: 2018-03-13 15:23:25

Below is generated by plot.py at 2018-03-13 19:23:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.588 ms

Loss rate: 0.00%

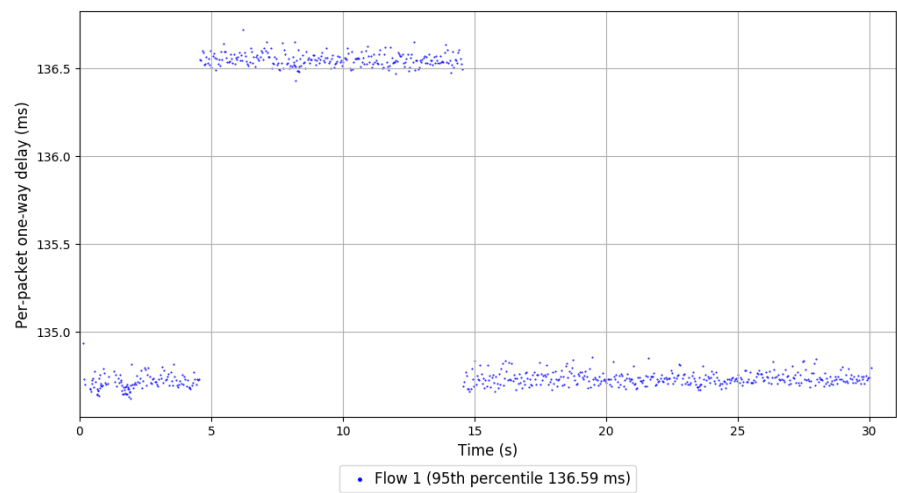
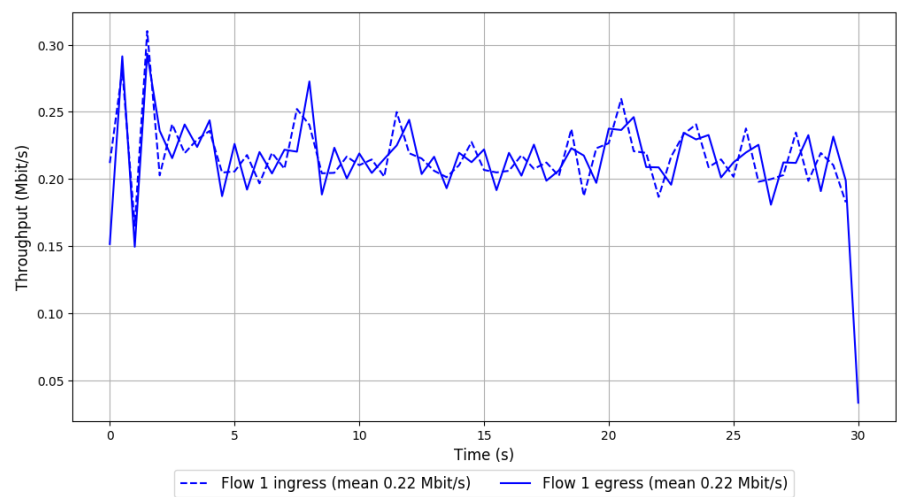
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.588 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-03-13 15:38:48

End at: 2018-03-13 15:39:18

Below is generated by plot.py at 2018-03-13 19:23:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.992 ms

Loss rate: 0.00%

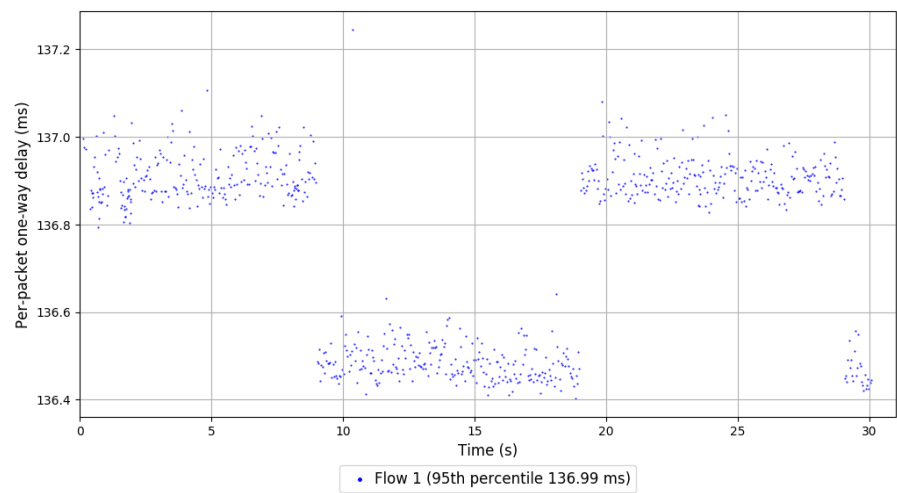
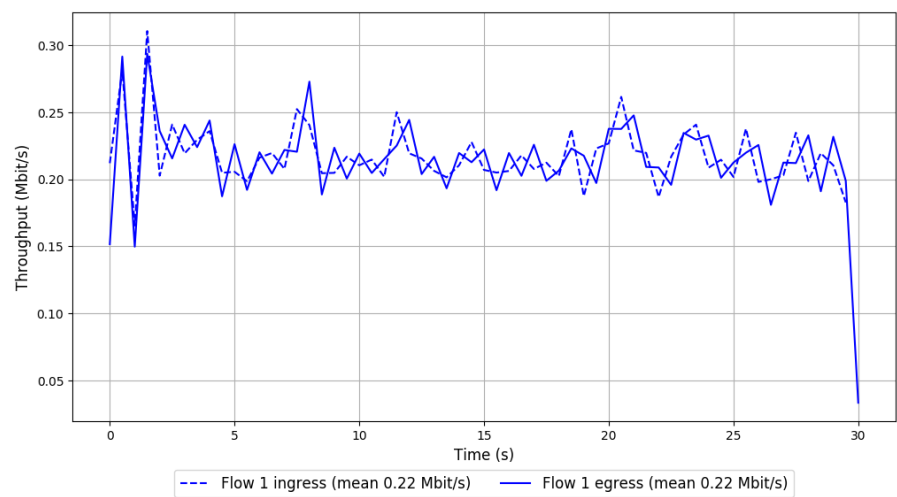
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.992 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-03-13 15:54:19

End at: 2018-03-13 15:54:49

Below is generated by plot.py at 2018-03-13 19:23:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.162 ms

Loss rate: 0.00%

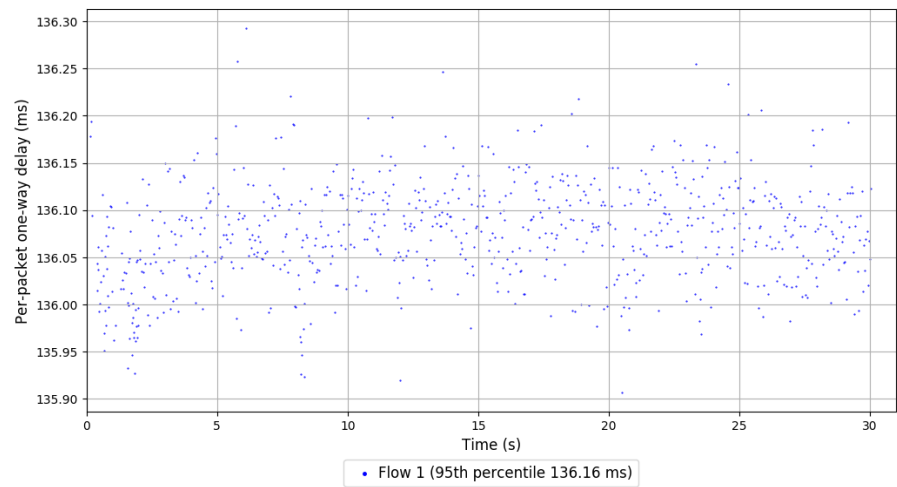
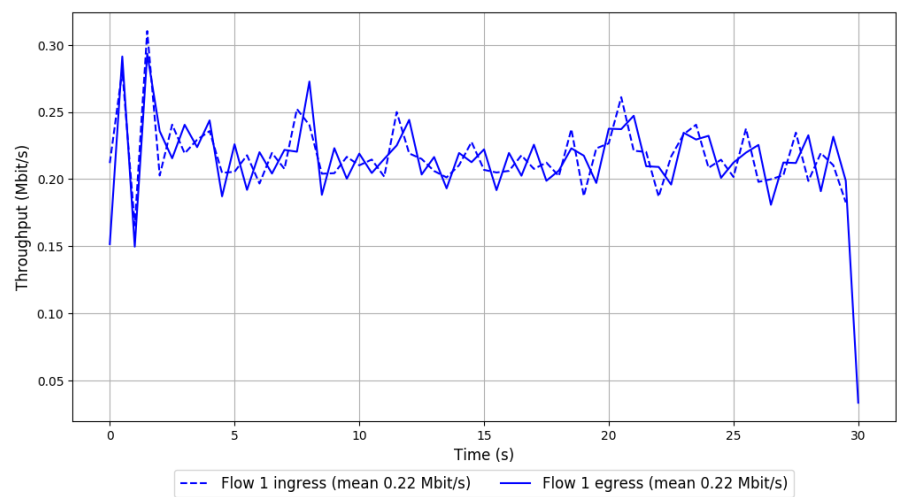
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.162 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-03-13 16:10:11

End at: 2018-03-13 16:10:41

Below is generated by plot.py at 2018-03-13 19:23:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 140.153 ms

Loss rate: 0.00%

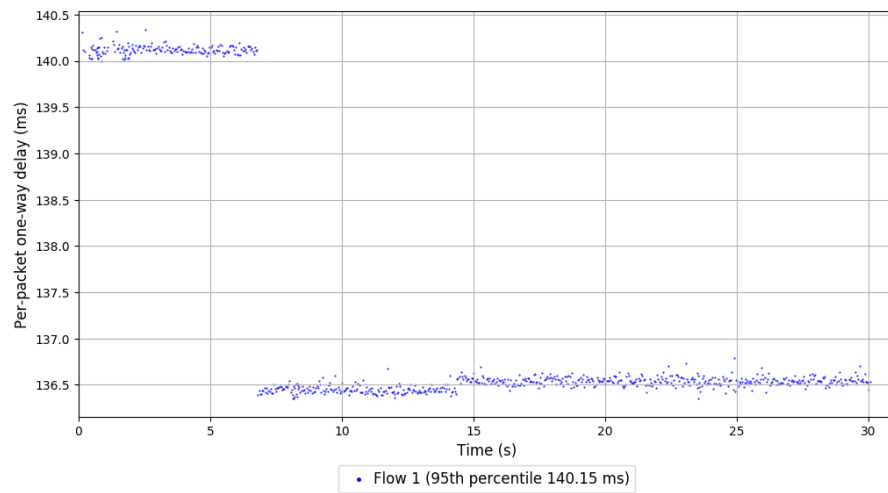
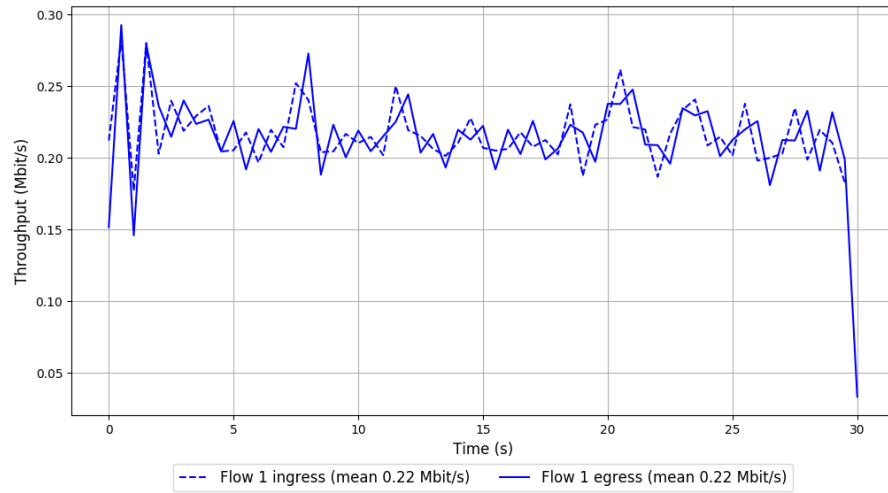
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 140.153 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-03-13 16:25:44

End at: 2018-03-13 16:26:14

Below is generated by plot.py at 2018-03-13 19:23:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.147 ms

Loss rate: 0.00%

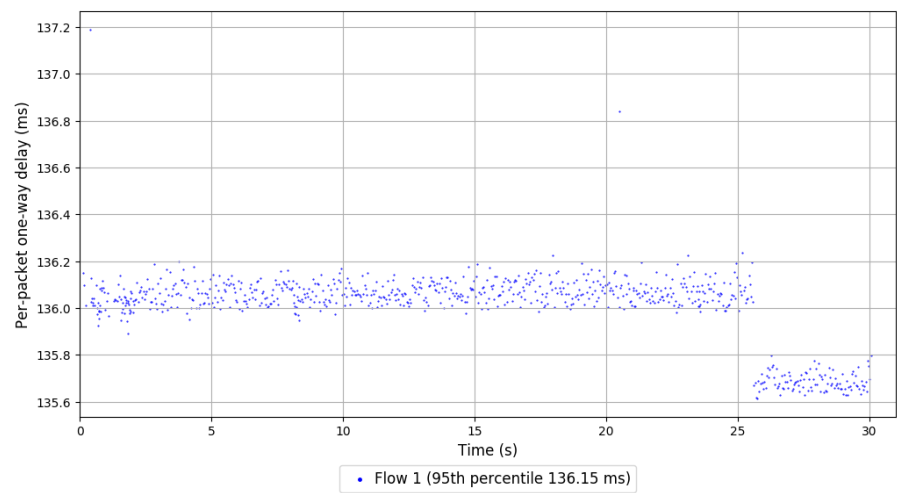
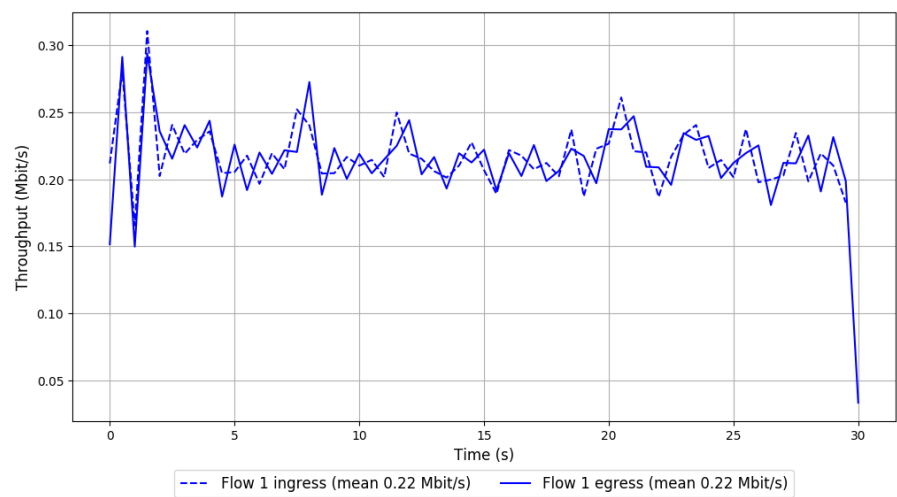
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.147 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-03-13 16:41:33

End at: 2018-03-13 16:42:03

Below is generated by plot.py at 2018-03-13 19:23:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.879 ms

Loss rate: 0.00%

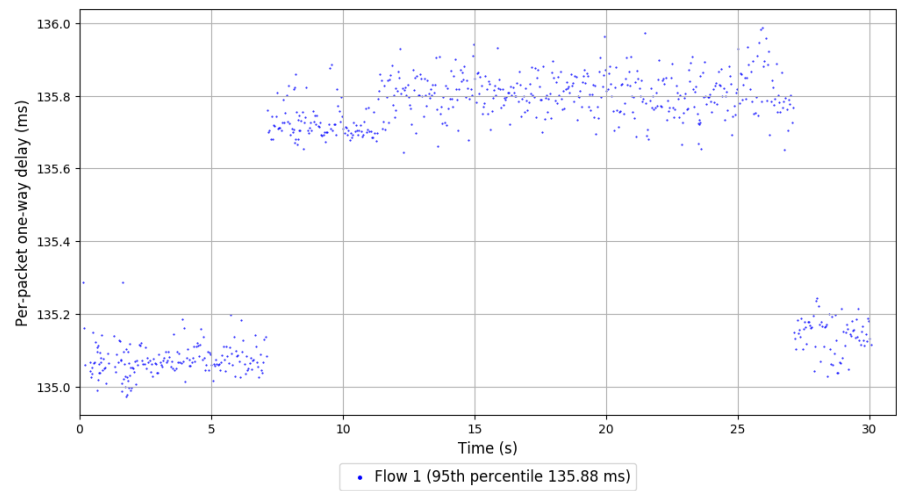
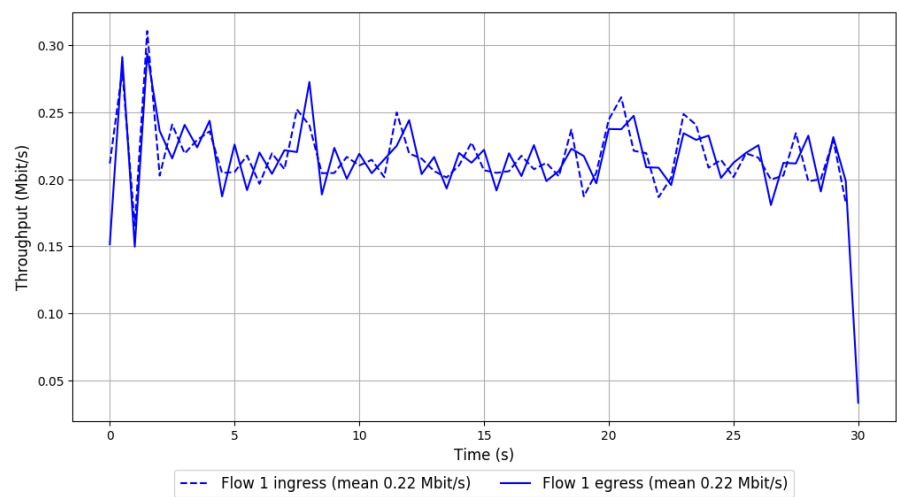
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.879 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-03-13 16:57:35

End at: 2018-03-13 16:58:05

Below is generated by plot.py at 2018-03-13 19:23:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.636 ms

Loss rate: 0.00%

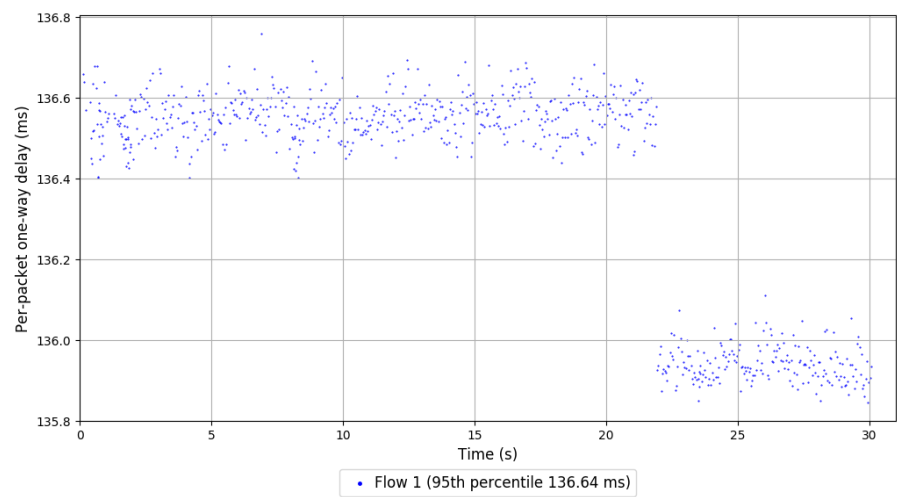
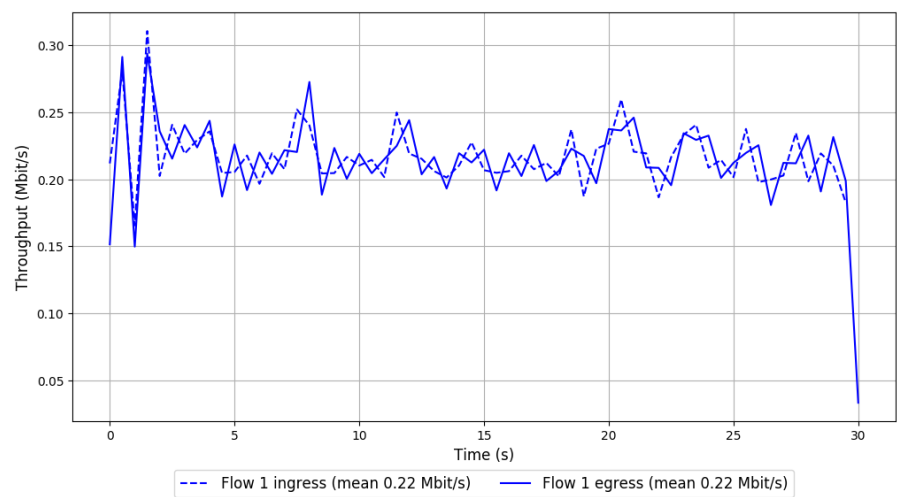
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.636 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-03-13 17:13:11

End at: 2018-03-13 17:13:41

Below is generated by plot.py at 2018-03-13 19:23:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.249 ms

Loss rate: 0.00%

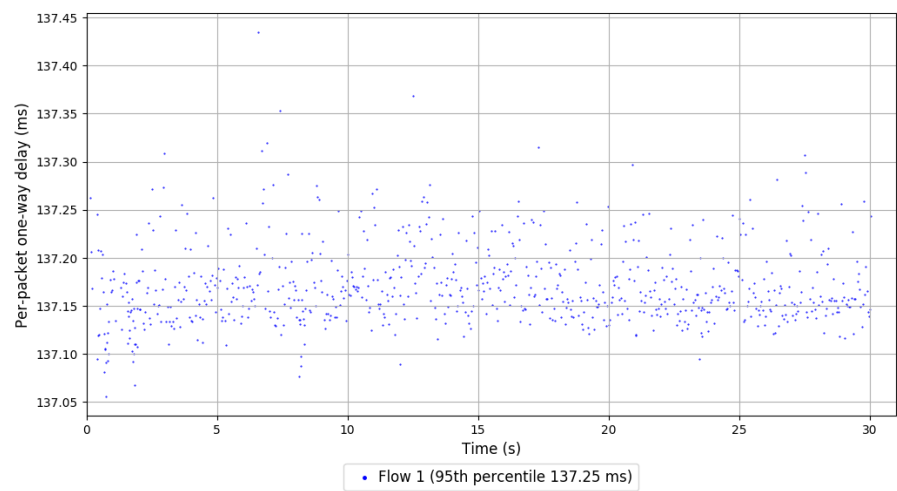
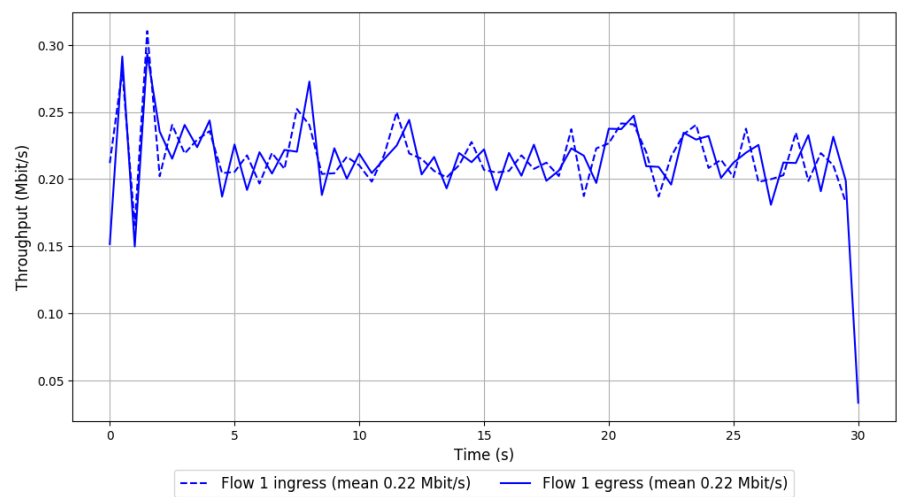
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.249 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

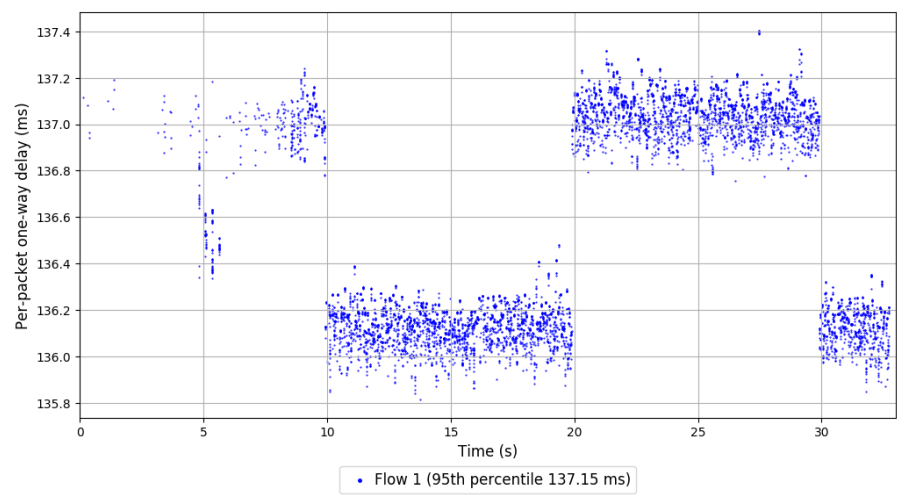
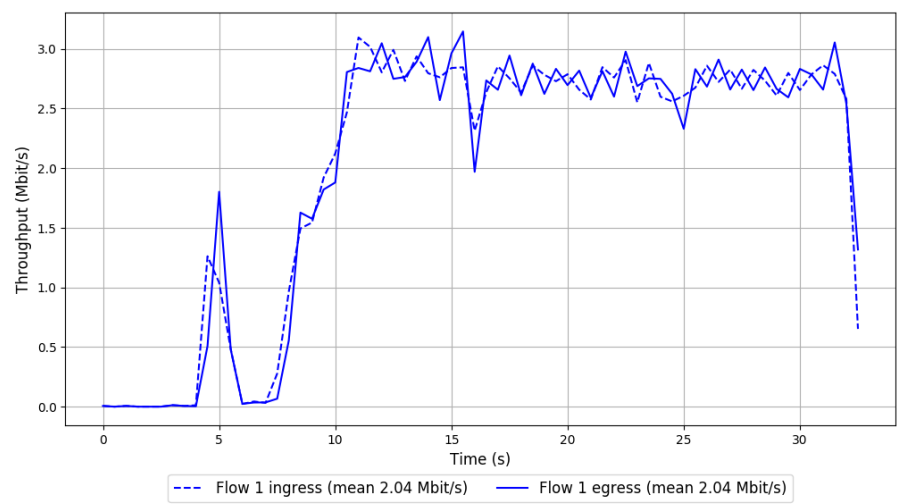


```
Run 1: Statistics of WebRTC media

Start at: 2018-03-13 15:05:43
End at: 2018-03-13 15:06:13

# Below is generated by plot.py at 2018-03-13 19:23:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 137.150 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 137.150 ms
Loss rate: 0.00%
```


Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-03-13 15:21:25

End at: 2018-03-13 15:21:55

Below is generated by plot.py at 2018-03-13 19:23:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 136.580 ms

Loss rate: 0.00%

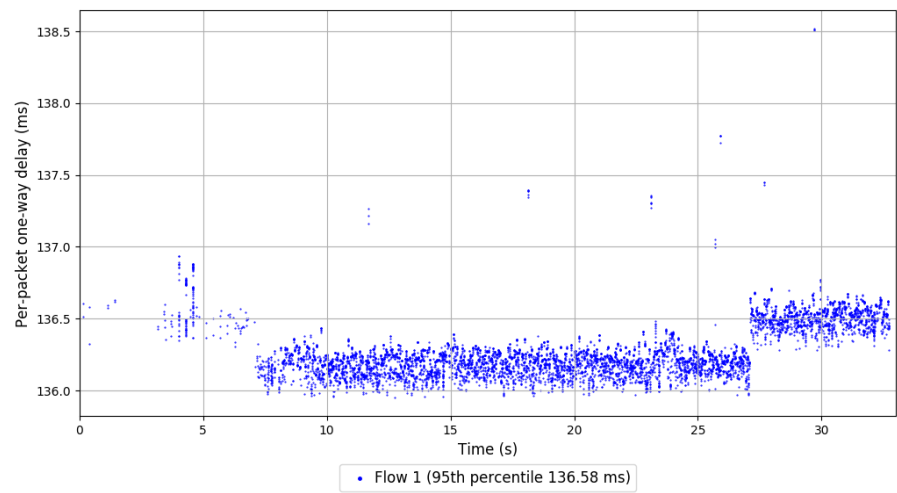
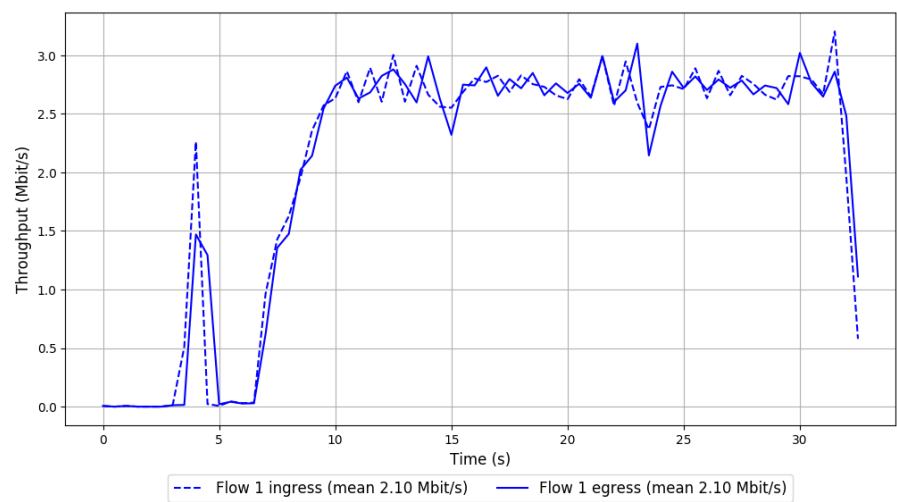
-- Flow 1:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 136.580 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-03-13 15:37:16

End at: 2018-03-13 15:37:46

Below is generated by plot.py at 2018-03-13 19:23:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 136.831 ms

Loss rate: 0.00%

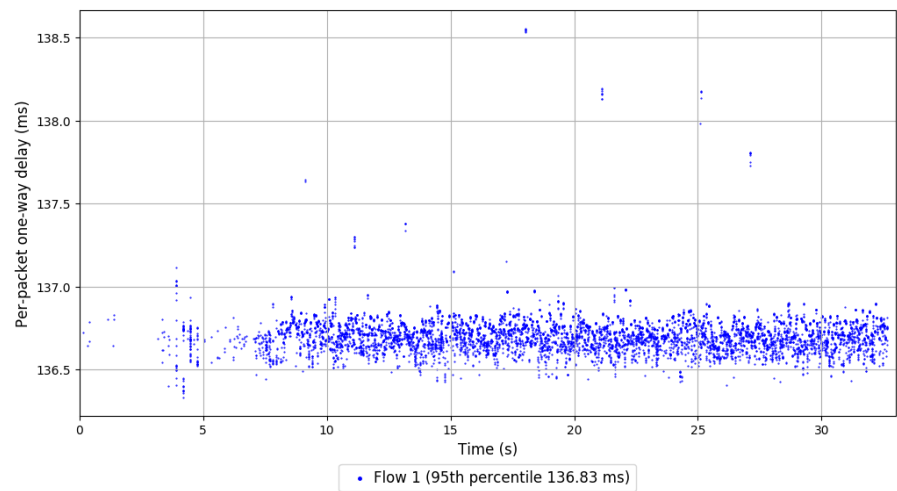
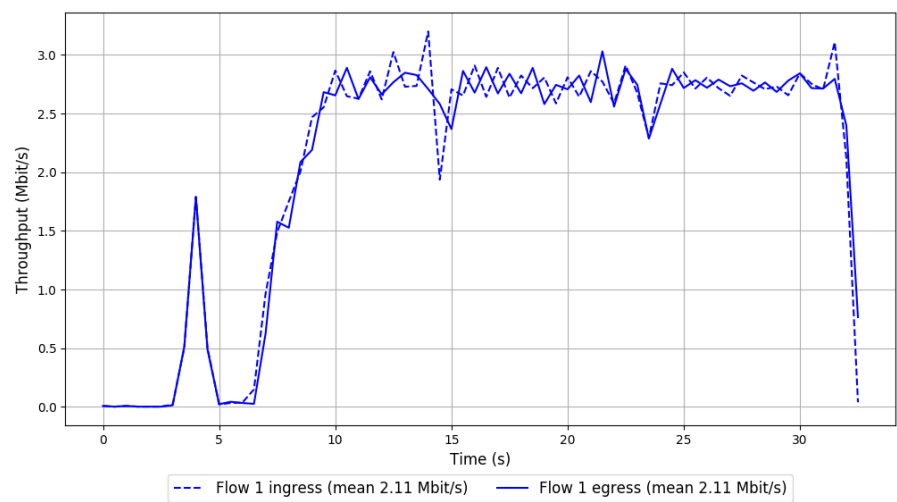
-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 136.831 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-03-13 15:52:45

End at: 2018-03-13 15:53:15

Below is generated by plot.py at 2018-03-13 19:23:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 136.187 ms

Loss rate: 0.00%

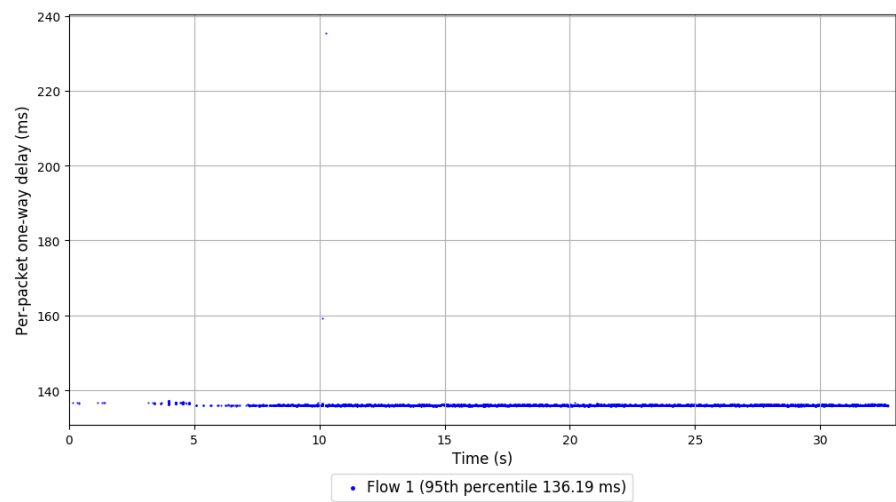
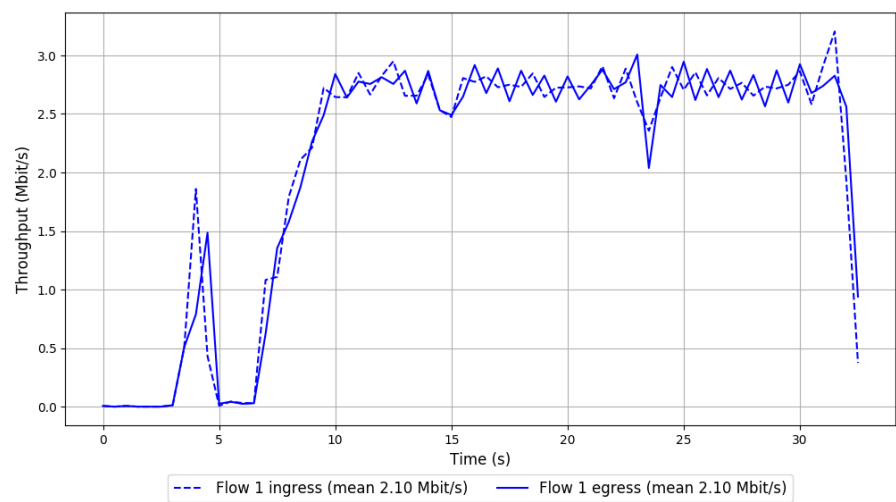
-- Flow 1:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 136.187 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-03-13 16:08:36

End at: 2018-03-13 16:09:06

Below is generated by plot.py at 2018-03-13 19:23:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 136.570 ms

Loss rate: 0.00%

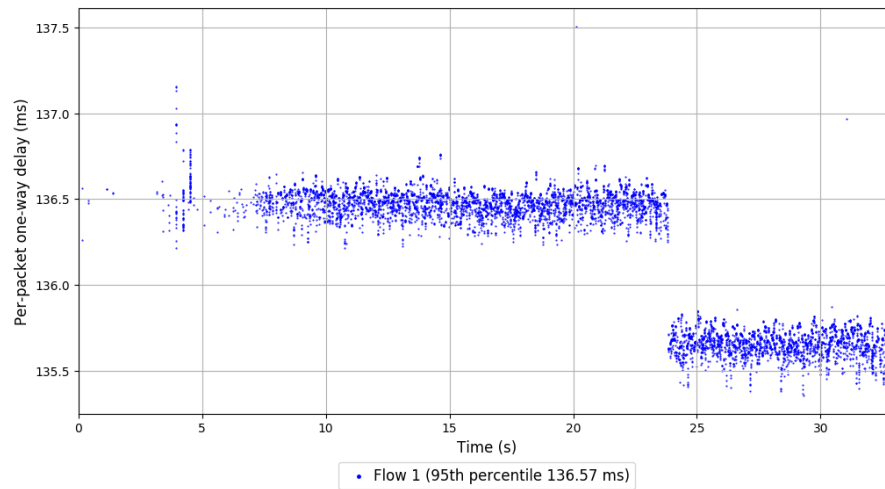
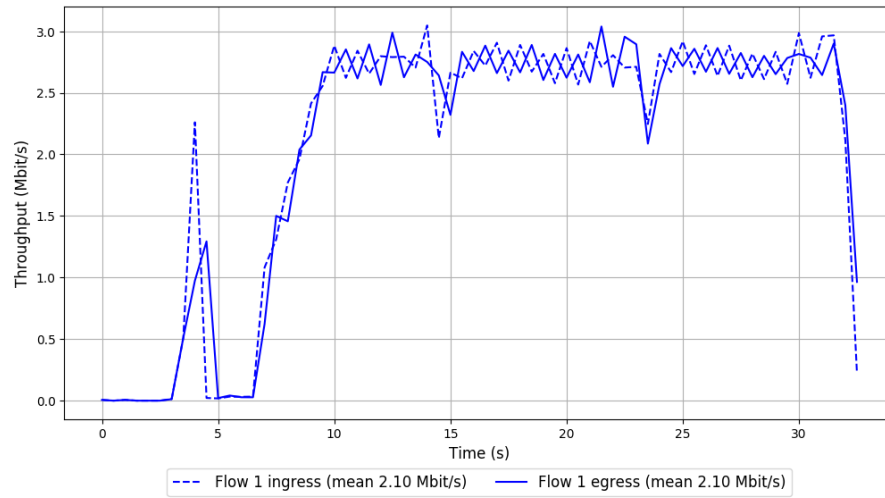
-- Flow 1:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 136.570 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-03-13 16:24:11

End at: 2018-03-13 16:24:41

Below is generated by plot.py at 2018-03-13 19:23:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 135.889 ms

Loss rate: 0.00%

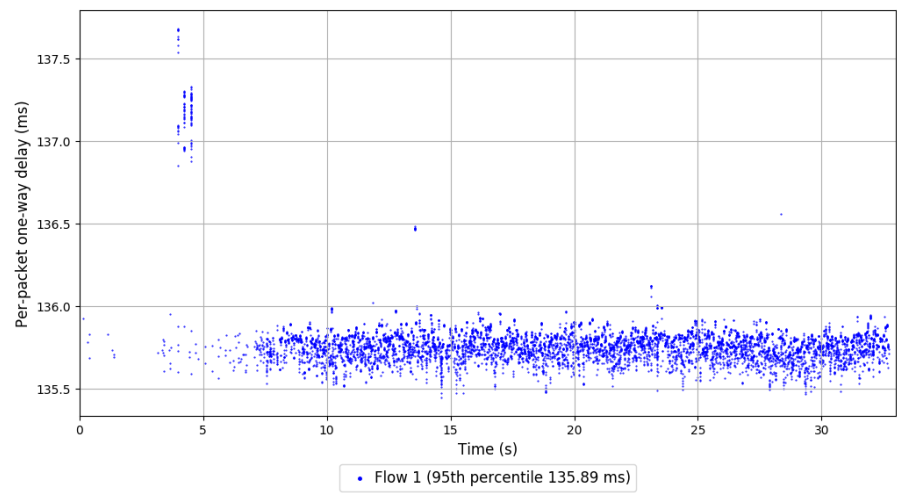
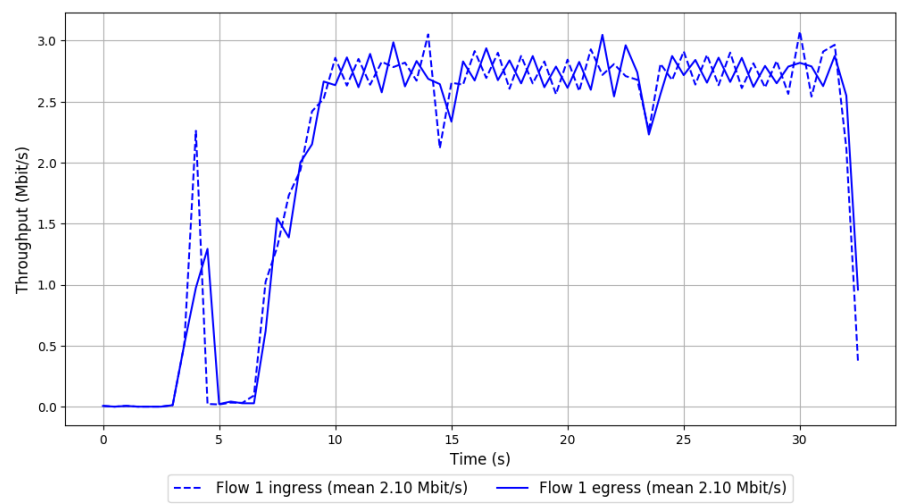
-- Flow 1:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 135.889 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-03-13 16:40:00

End at: 2018-03-13 16:40:30

Below is generated by plot.py at 2018-03-13 19:23:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 135.913 ms

Loss rate: 0.00%

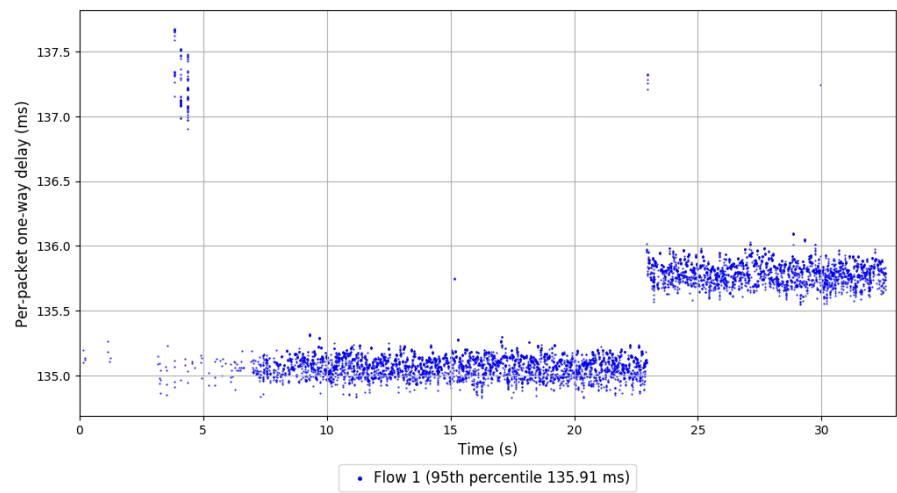
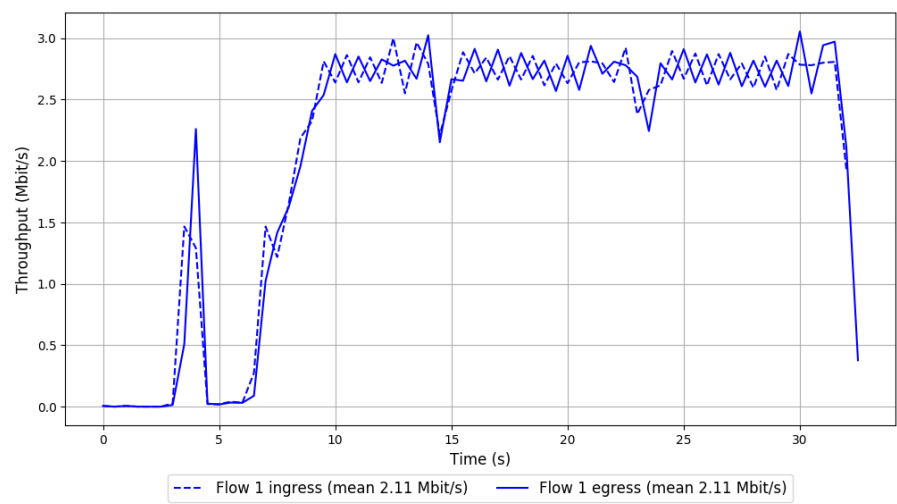
-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 135.913 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-03-13 16:56:02

End at: 2018-03-13 16:56:32

Below is generated by plot.py at 2018-03-13 19:23:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 137.225 ms

Loss rate: 0.00%

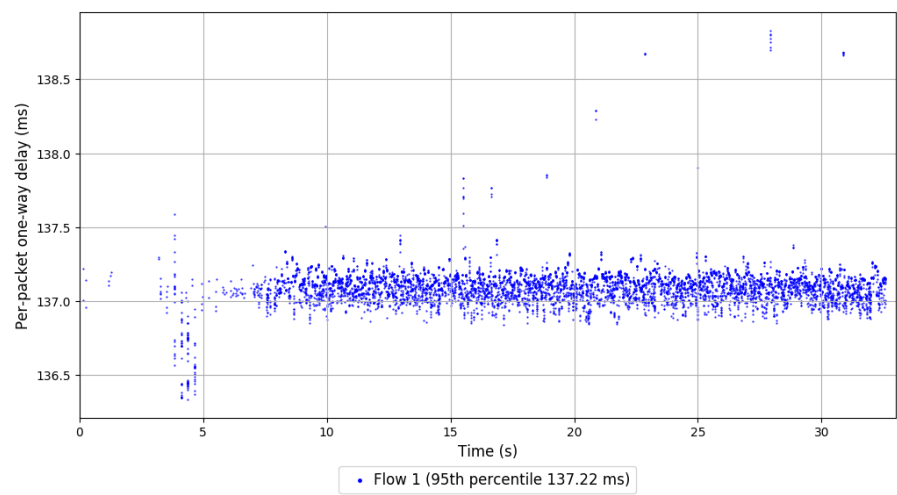
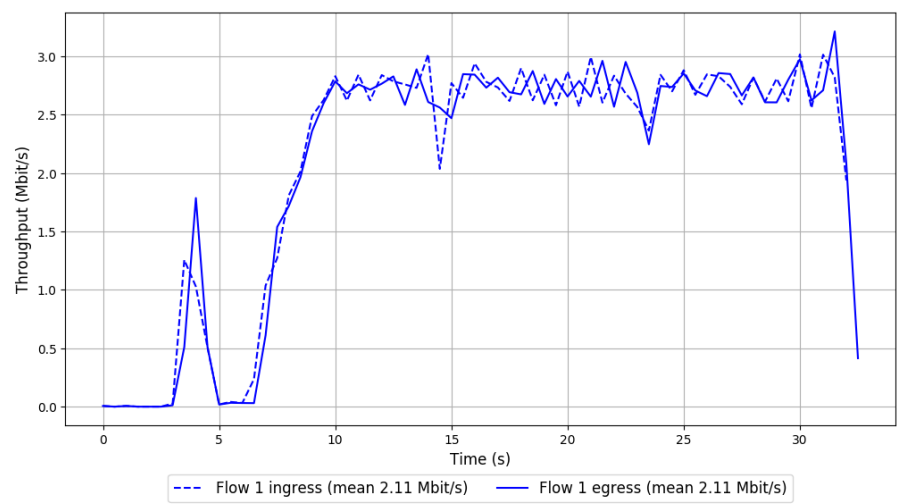
-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 137.225 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-03-13 17:11:39

End at: 2018-03-13 17:12:09

Below is generated by plot.py at 2018-03-13 19:23:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 137.243 ms

Loss rate: 0.00%

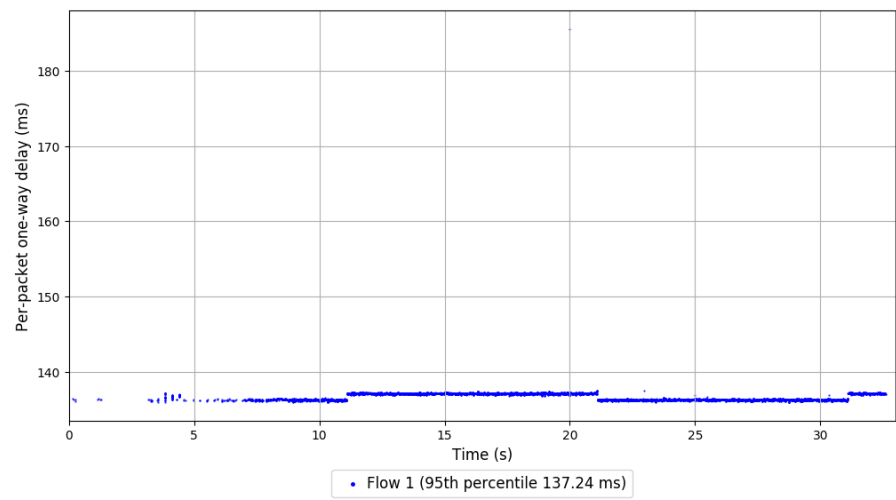
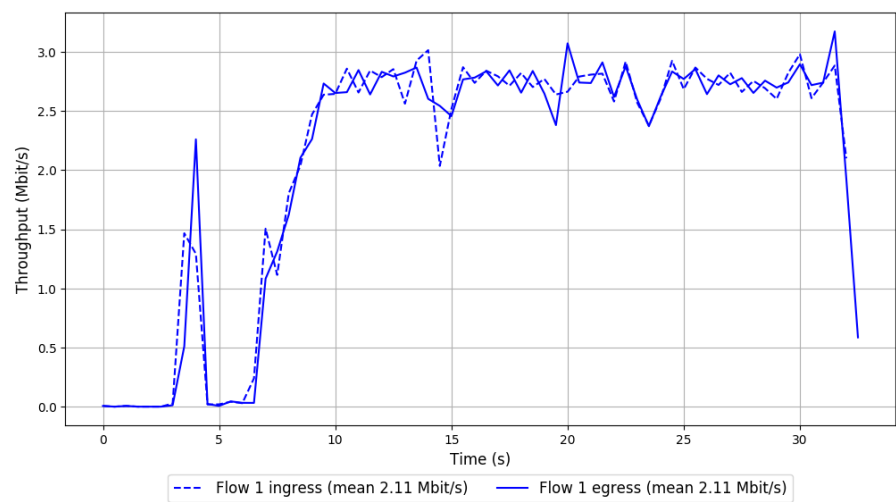
-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 137.243 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-03-13 17:27:42

End at: 2018-03-13 17:28:12

Below is generated by plot.py at 2018-03-13 19:23:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 136.731 ms

Loss rate: 0.00%

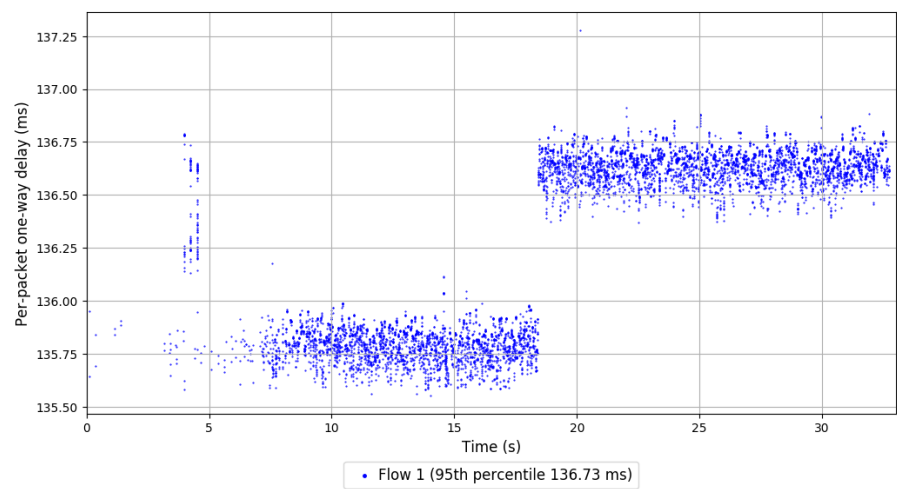
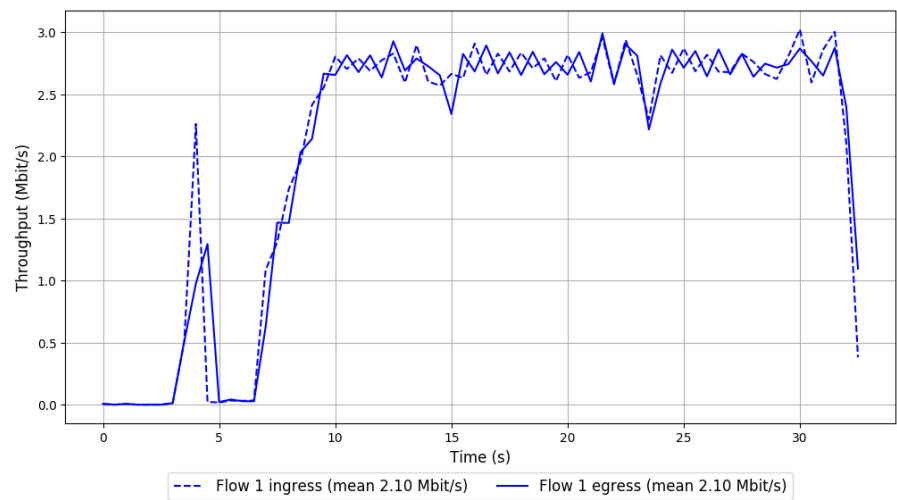
-- Flow 1:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 136.731 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-03-13 15:03:09

End at: 2018-03-13 15:03:40

Below is generated by plot.py at 2018-03-13 19:23:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 137.125 ms

Loss rate: 0.00%

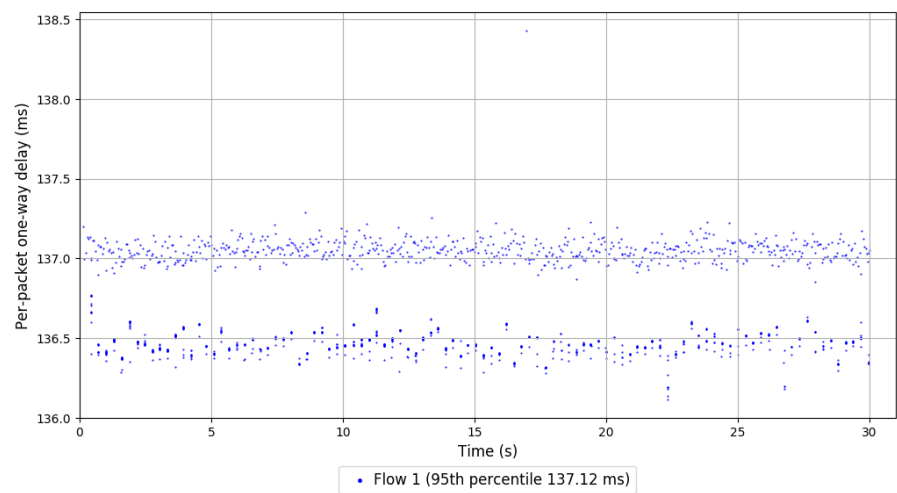
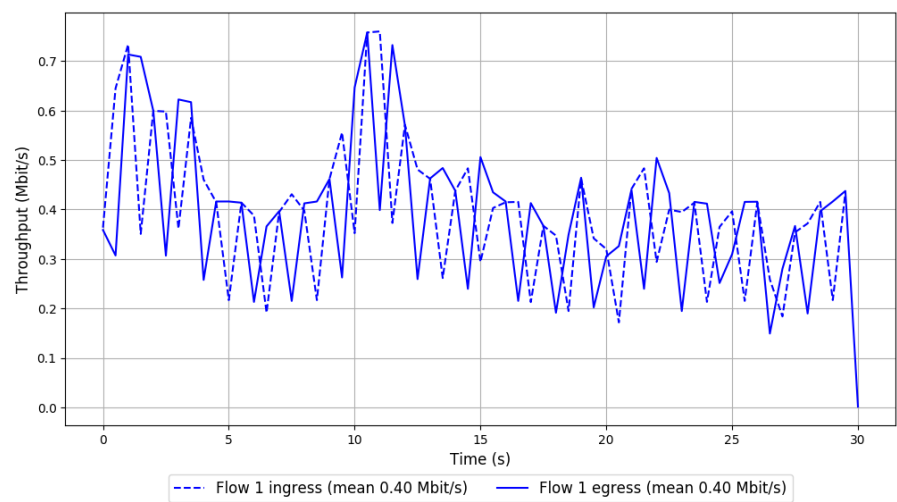
-- Flow 1:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 137.125 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-03-13 15:18:51

End at: 2018-03-13 15:19:21

Below is generated by plot.py at 2018-03-13 19:23:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 136.834 ms

Loss rate: 0.00%

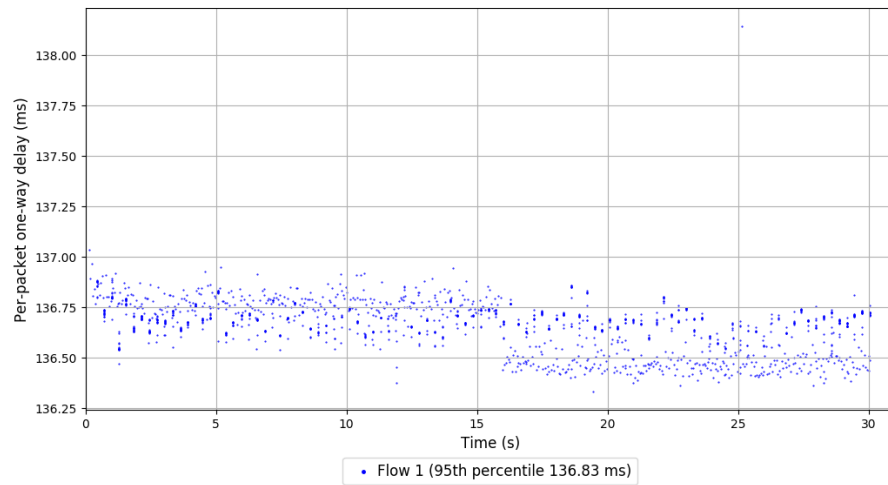
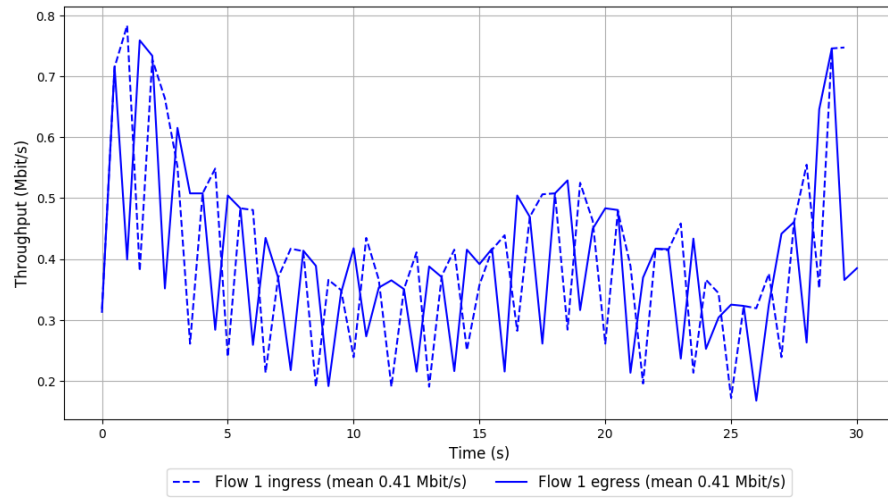
-- Flow 1:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 136.834 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-03-13 15:34:43

End at: 2018-03-13 15:35:13

Below is generated by plot.py at 2018-03-13 19:23:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 136.726 ms

Loss rate: 0.00%

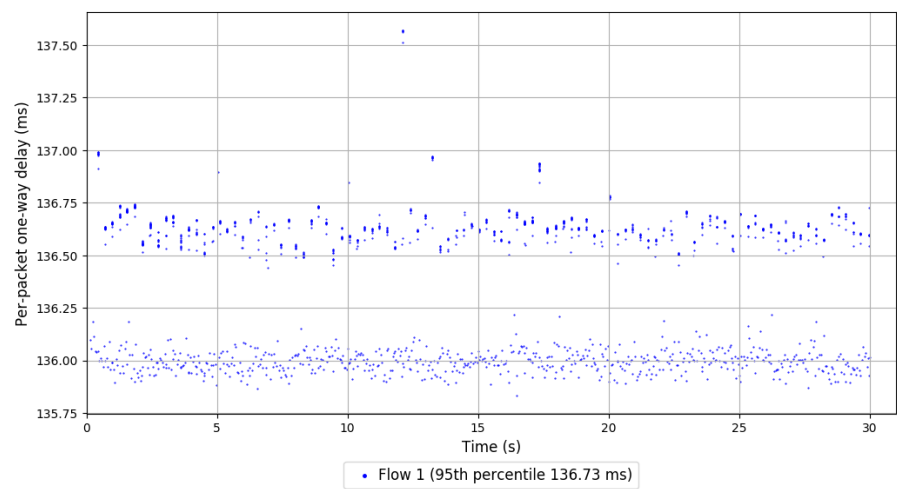
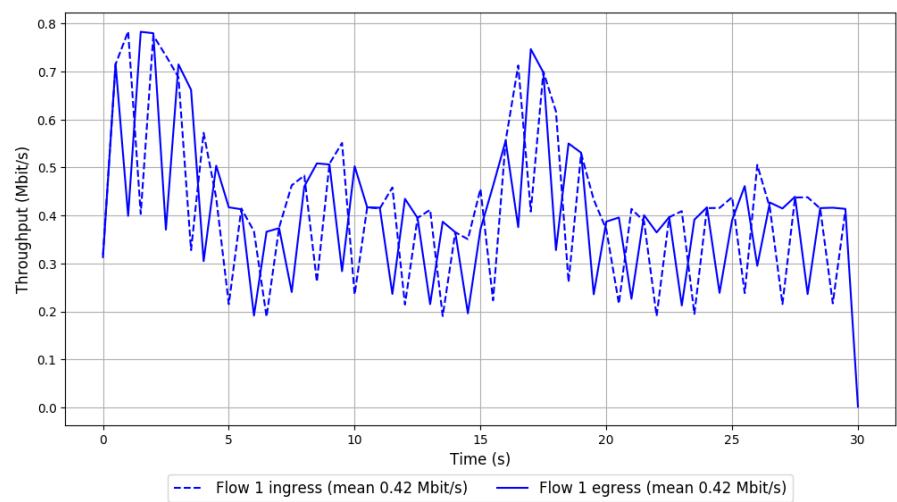
-- Flow 1:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 136.726 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-03-13 15:50:12

End at: 2018-03-13 15:50:42

Below is generated by plot.py at 2018-03-13 19:23:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 136.715 ms

Loss rate: 0.00%

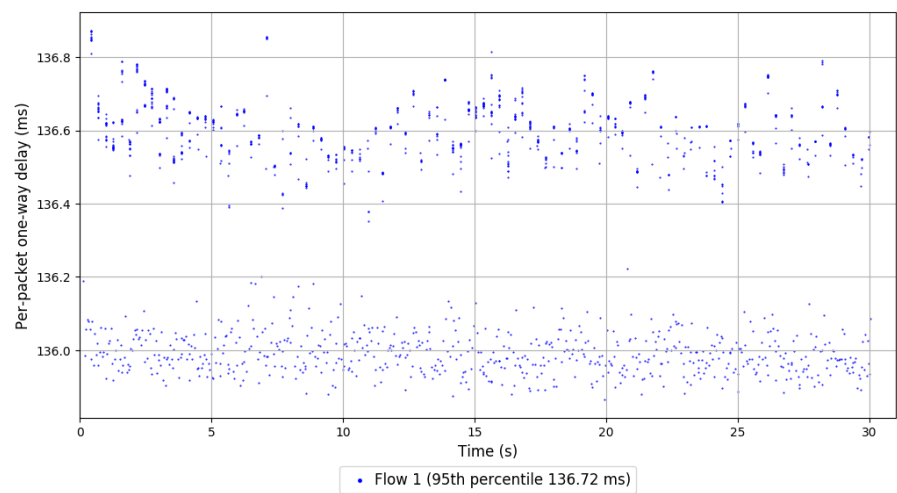
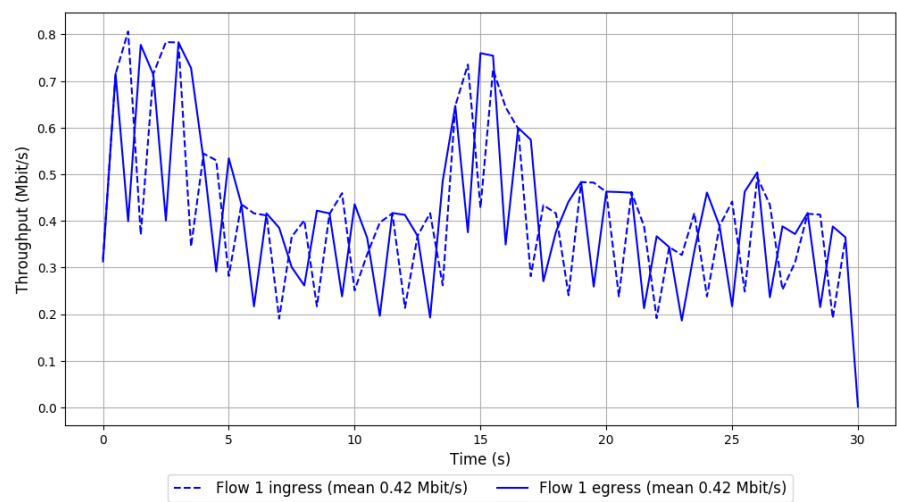
-- Flow 1:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 136.715 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-03-13 16:06:04

End at: 2018-03-13 16:06:34

Below is generated by plot.py at 2018-03-13 19:23:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 136.771 ms

Loss rate: 0.00%

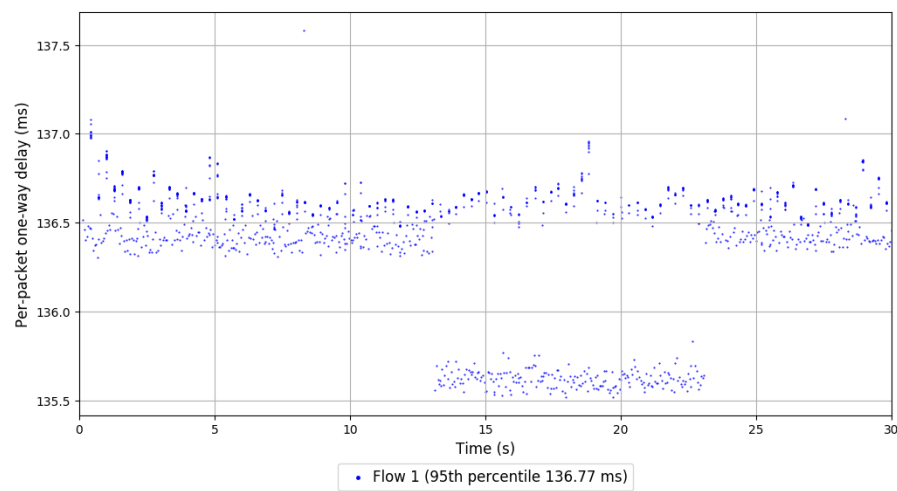
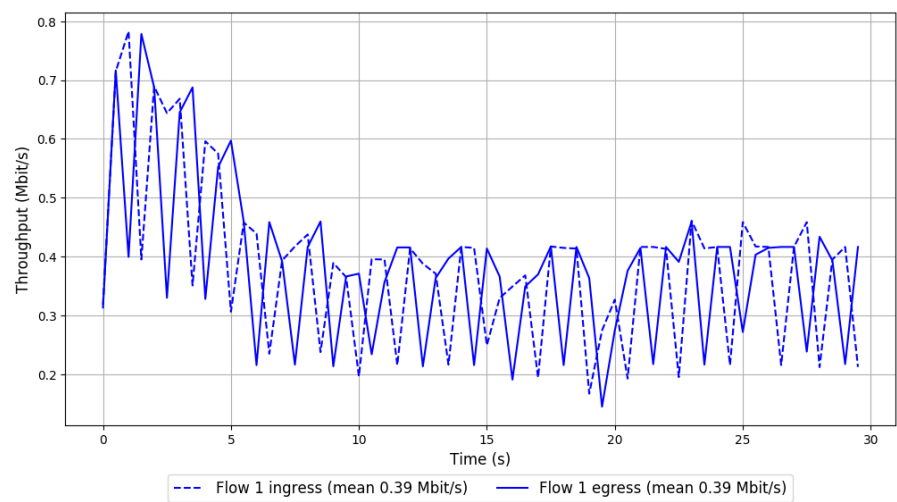
-- Flow 1:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 136.771 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-03-13 16:21:38

End at: 2018-03-13 16:22:08

Below is generated by plot.py at 2018-03-13 19:23:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 137.330 ms

Loss rate: 0.00%

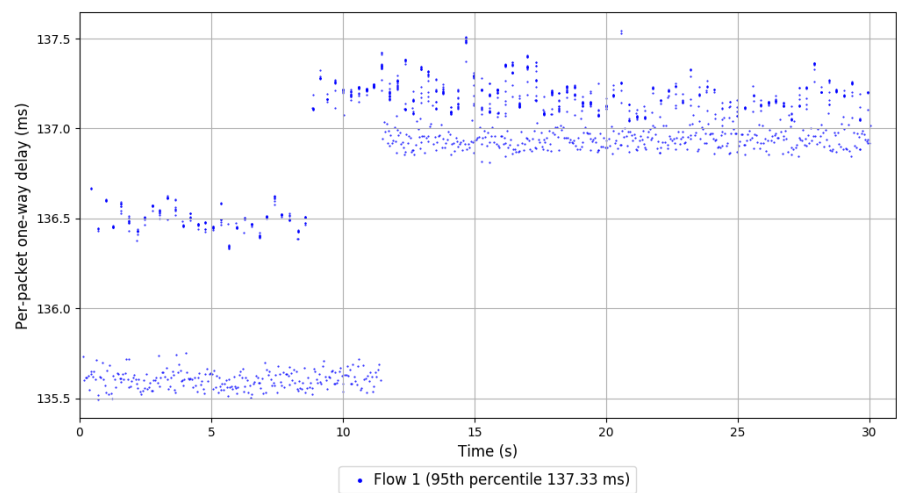
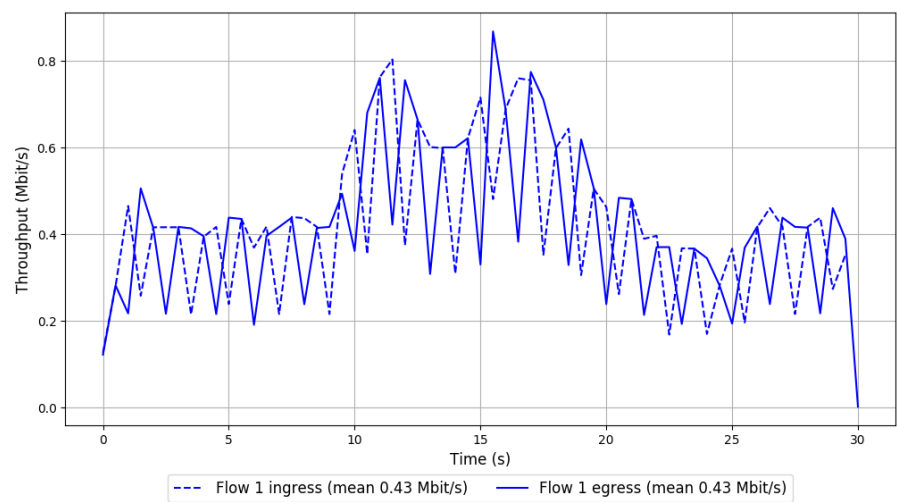
-- Flow 1:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 137.330 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-03-13 16:37:26

End at: 2018-03-13 16:37:56

Below is generated by plot.py at 2018-03-13 19:23:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 137.288 ms

Loss rate: 0.00%

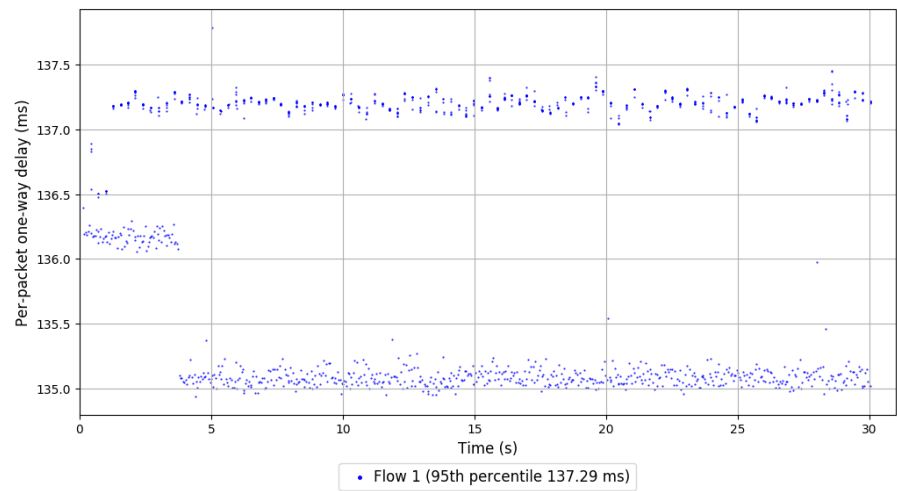
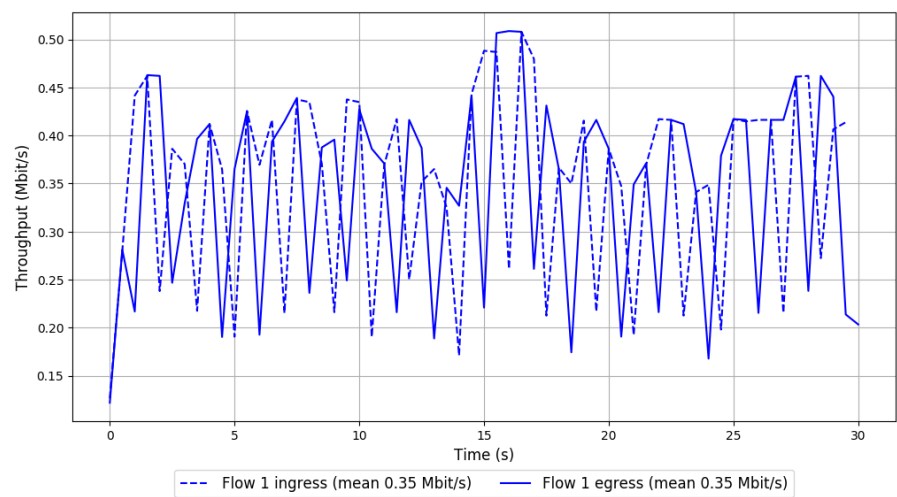
-- Flow 1:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 137.288 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-03-13 16:53:29

End at: 2018-03-13 16:53:59

Below is generated by plot.py at 2018-03-13 19:23:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 137.377 ms

Loss rate: 0.00%

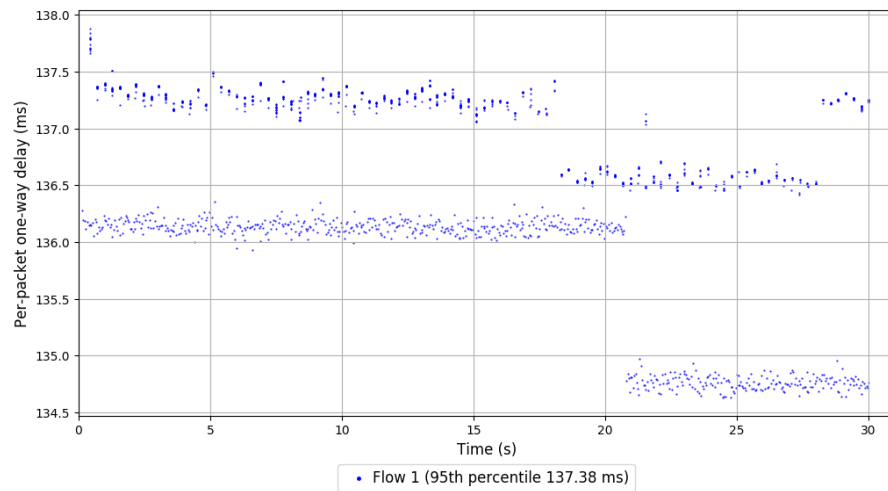
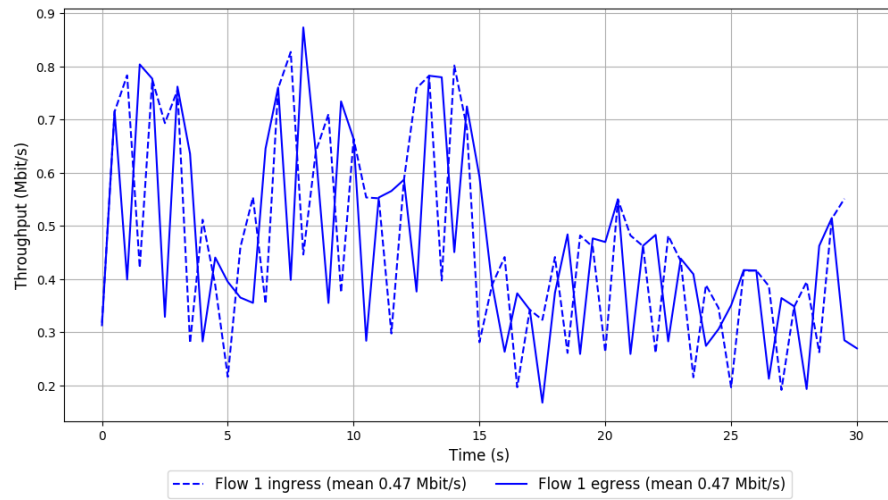
-- Flow 1:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 137.377 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-03-13 17:09:06

End at: 2018-03-13 17:09:36

Below is generated by plot.py at 2018-03-13 19:23:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 137.407 ms

Loss rate: 0.00%

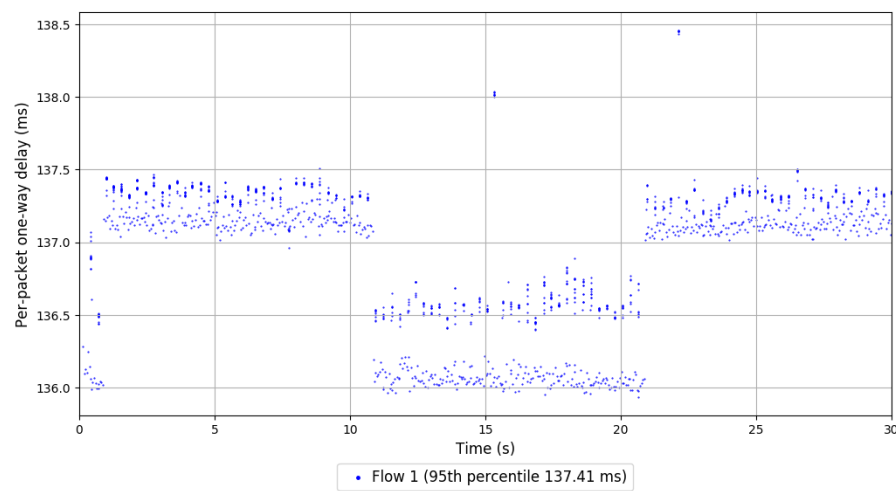
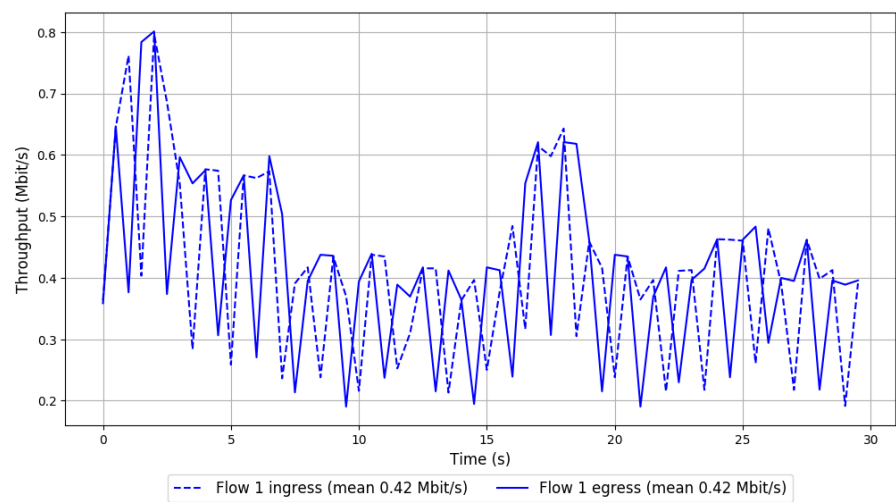
-- Flow 1:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 137.407 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-03-13 17:25:09

End at: 2018-03-13 17:25:39

Below is generated by plot.py at 2018-03-13 19:23:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 136.654 ms

Loss rate: 0.00%

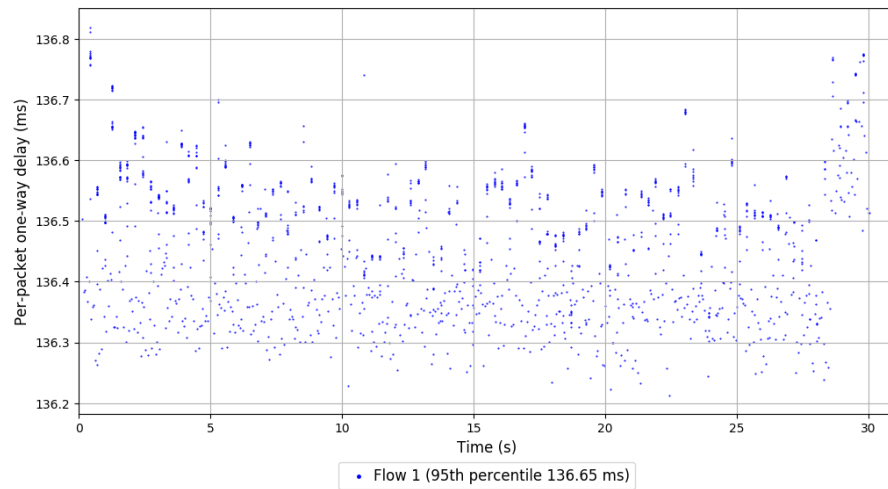
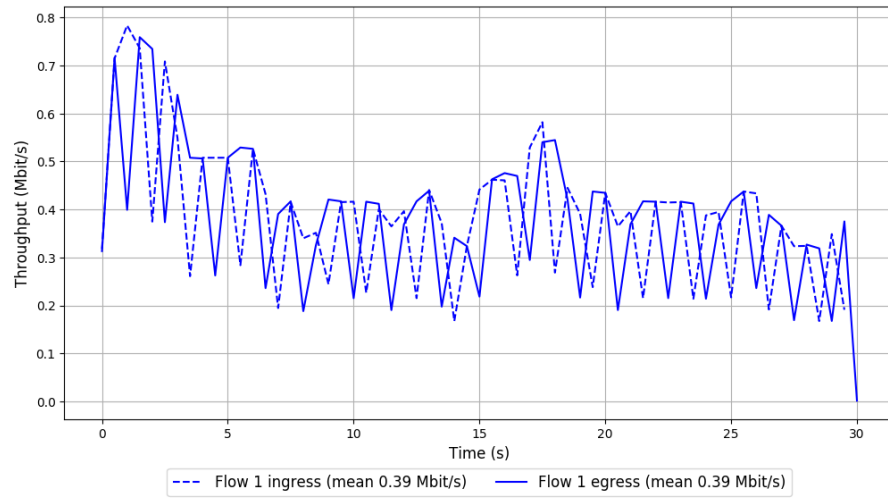
-- Flow 1:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 136.654 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

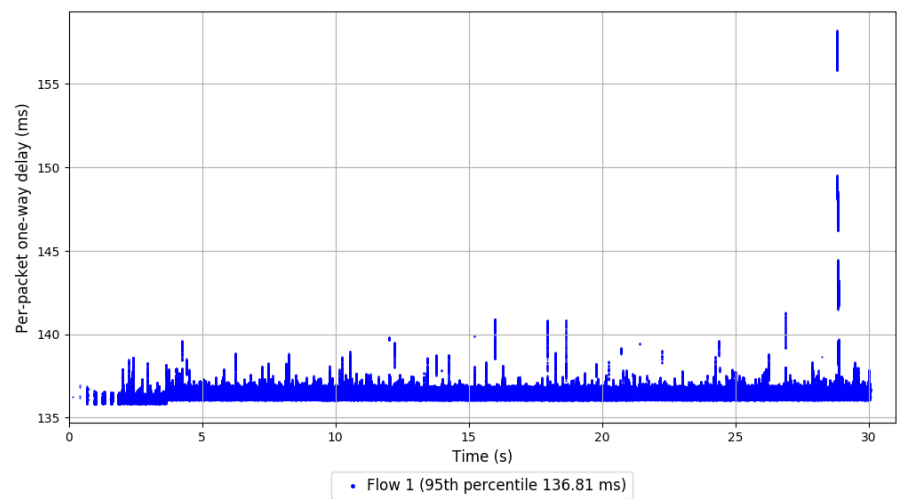
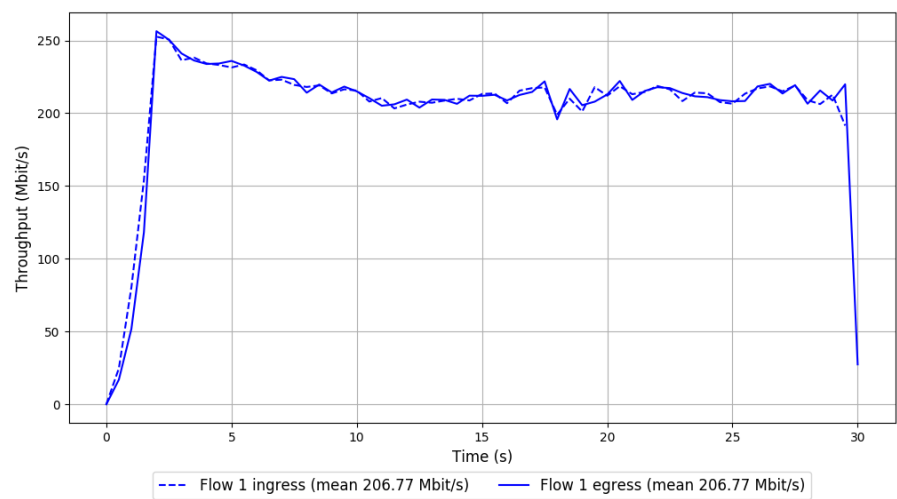


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-03-13 15:02:06
End at: 2018-03-13 15:02:36

# Below is generated by plot.py at 2018-03-13 19:23:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 206.77 Mbit/s
95th percentile per-packet one-way delay: 136.815 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 206.77 Mbit/s
95th percentile per-packet one-way delay: 136.815 ms
Loss rate: 0.00%
```


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

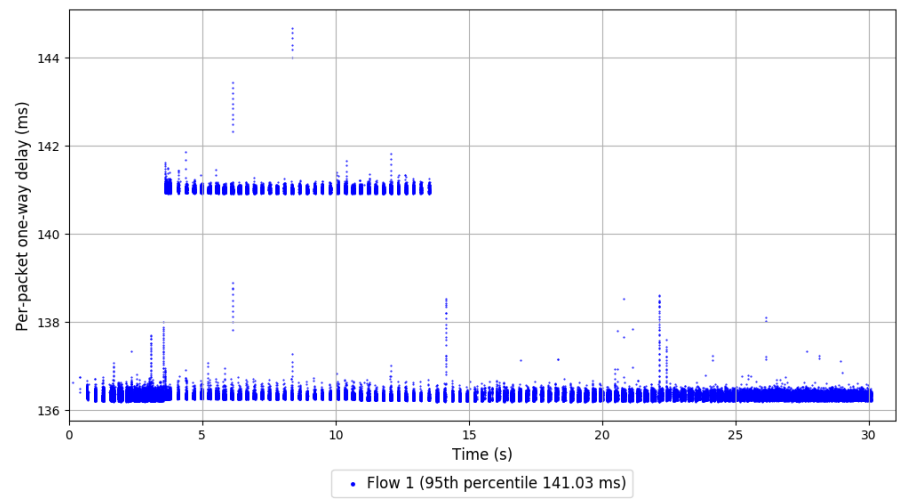
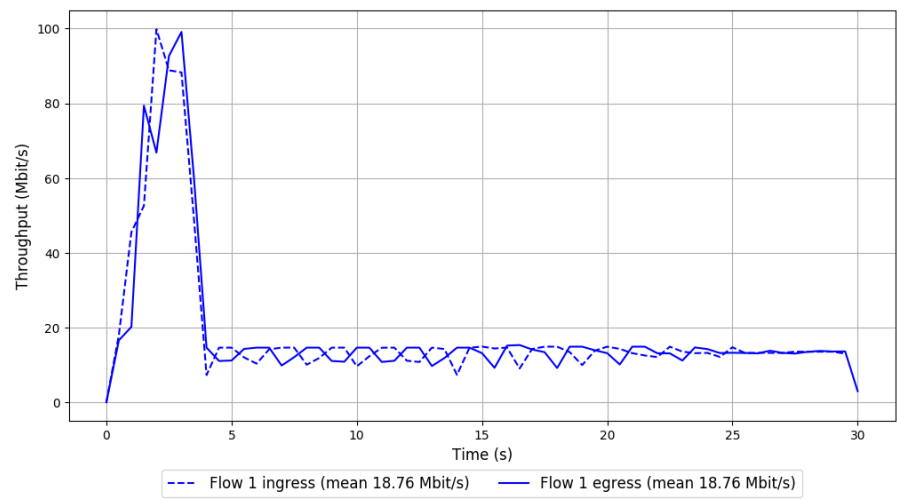


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-03-13 15:18:06
End at: 2018-03-13 15:18:36

# Below is generated by plot.py at 2018-03-13 19:23:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.76 Mbit/s
95th percentile per-packet one-way delay: 141.025 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 18.76 Mbit/s
95th percentile per-packet one-way delay: 141.025 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-03-13 15:33:40

End at: 2018-03-13 15:34:10

Below is generated by plot.py at 2018-03-13 19:23:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.81 Mbit/s

95th percentile per-packet one-way delay: 136.501 ms

Loss rate: 0.00%

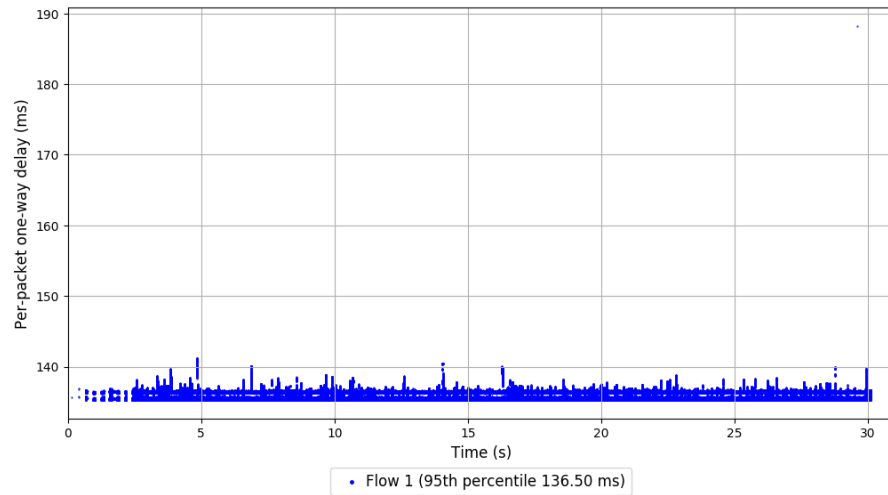
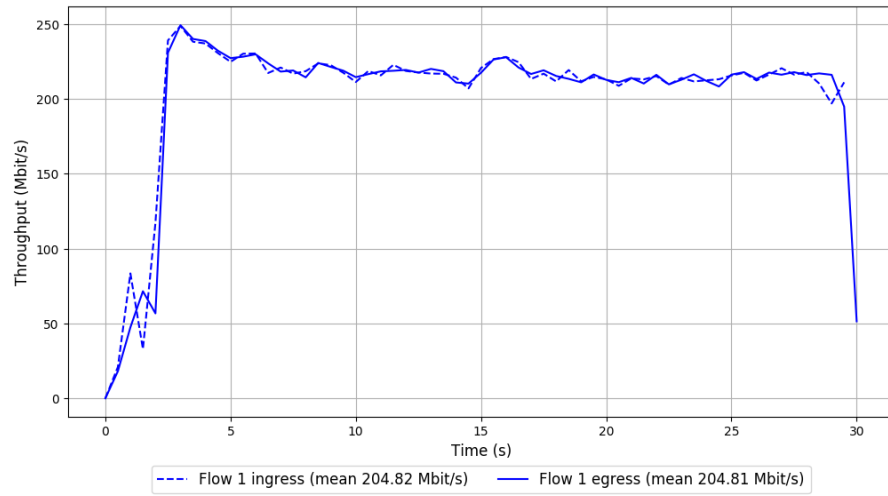
-- Flow 1:

Average throughput: 204.81 Mbit/s

95th percentile per-packet one-way delay: 136.501 ms

Loss rate: 0.00%

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

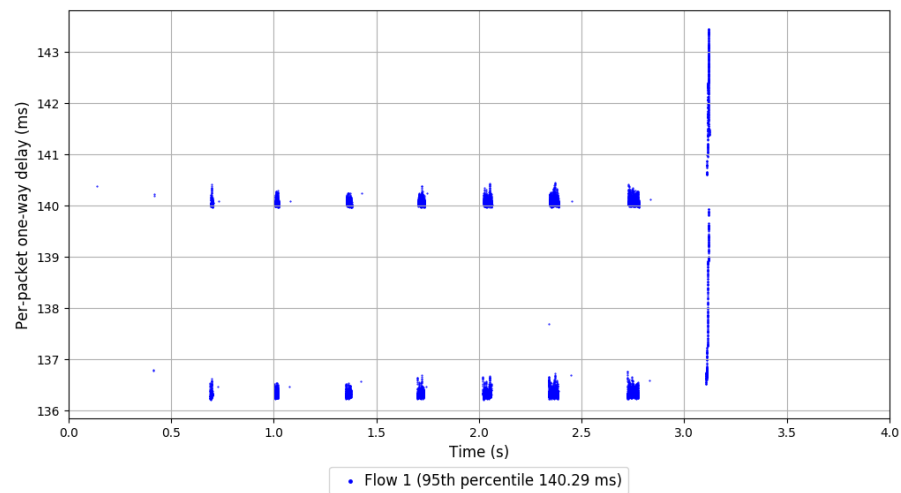
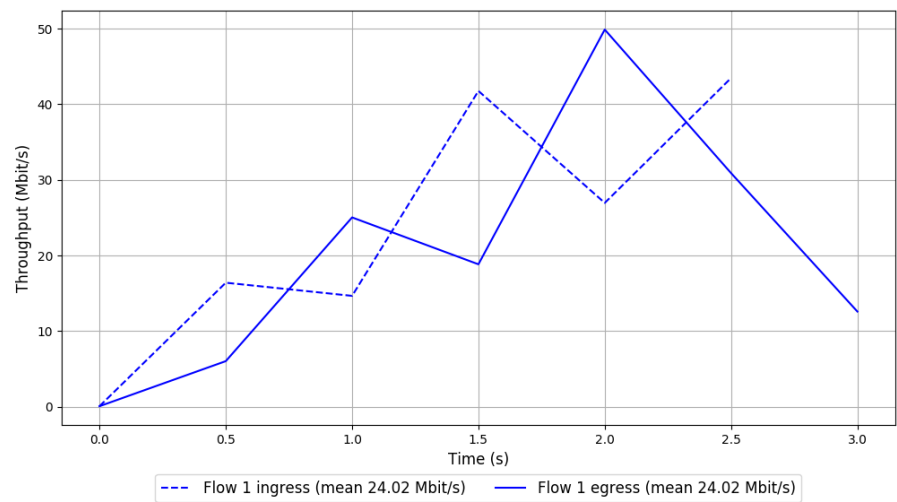


Run 4: Statistics of TaoVA-100x

Start at: 2018-03-13 15:49:29

End at: 2018-03-13 15:49:59

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-03-13 16:05:02

End at: 2018-03-13 16:05:32

Below is generated by plot.py at 2018-03-13 19:23:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 192.34 Mbit/s

95th percentile per-packet one-way delay: 136.654 ms

Loss rate: 0.00%

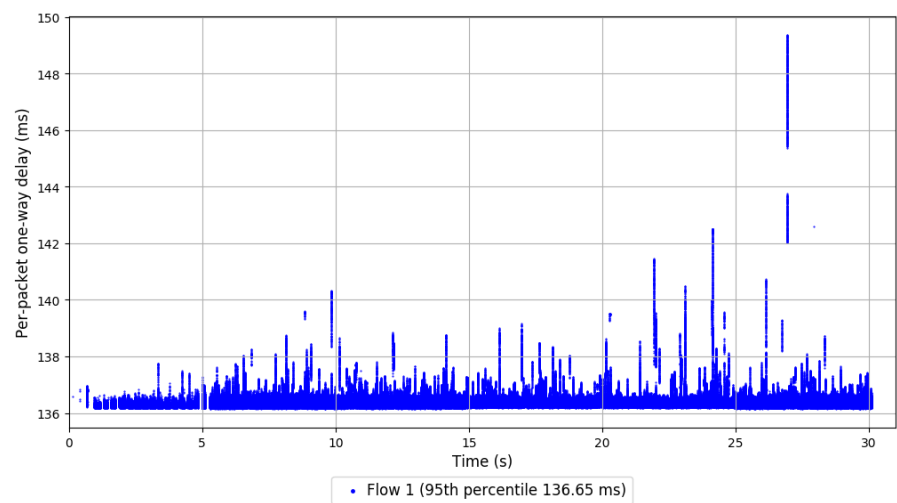
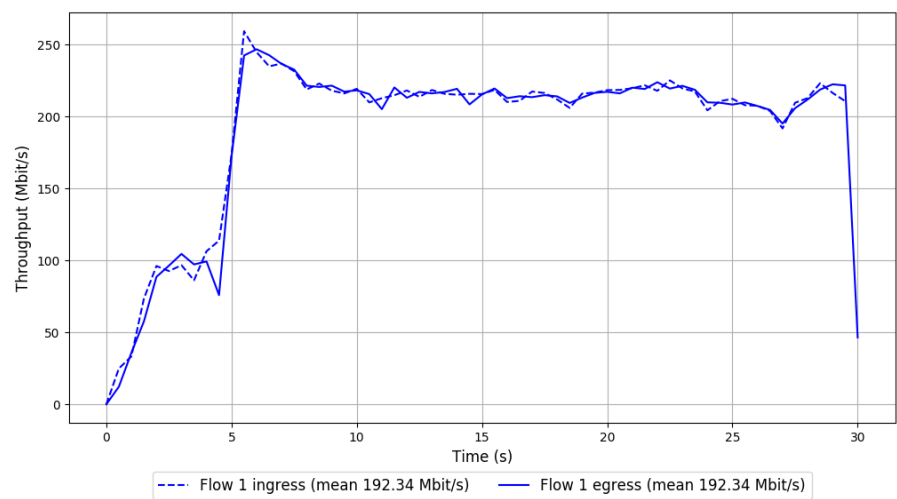
-- Flow 1:

Average throughput: 192.34 Mbit/s

95th percentile per-packet one-way delay: 136.654 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-03-13 16:20:54

End at: 2018-03-13 16:21:24

Below is generated by plot.py at 2018-03-13 19:23:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.64 Mbit/s

95th percentile per-packet one-way delay: 140.394 ms

Loss rate: 0.00%

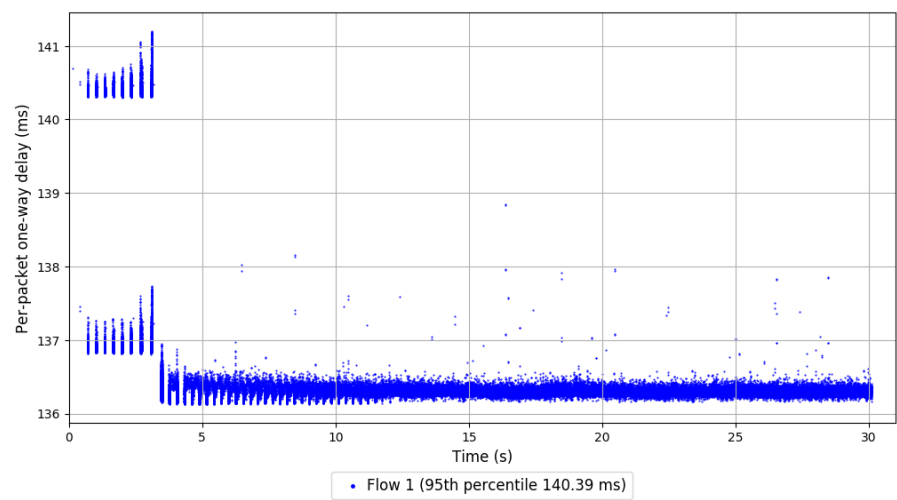
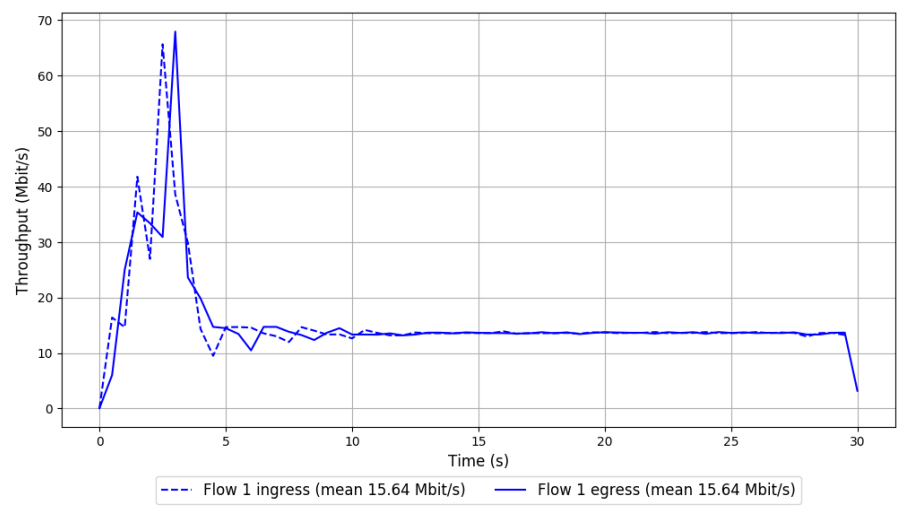
-- Flow 1:

Average throughput: 15.64 Mbit/s

95th percentile per-packet one-way delay: 140.394 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-03-13 16:36:42

End at: 2018-03-13 16:37:12

Below is generated by plot.py at 2018-03-13 19:23:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.00 Mbit/s

95th percentile per-packet one-way delay: 137.001 ms

Loss rate: 0.00%

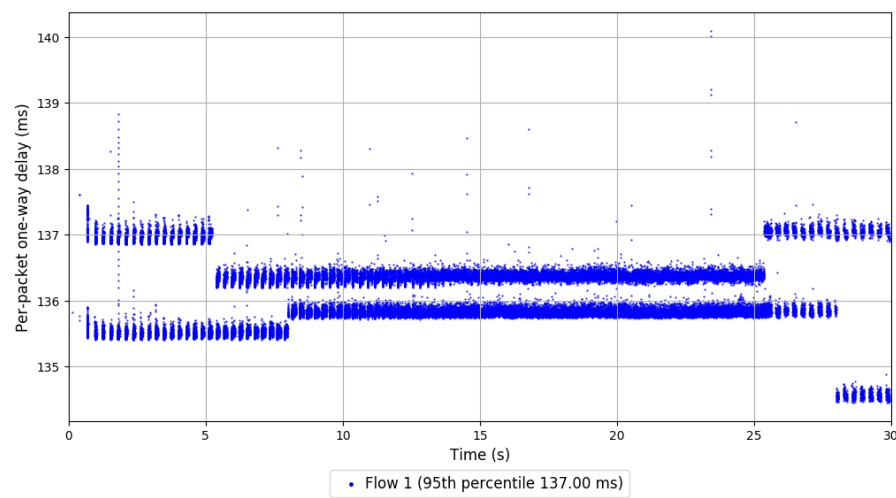
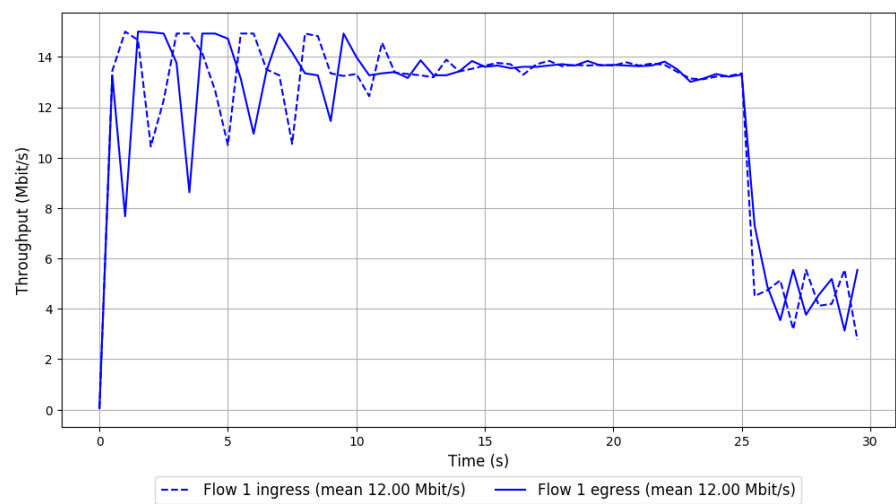
-- Flow 1:

Average throughput: 12.00 Mbit/s

95th percentile per-packet one-way delay: 137.001 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-03-13 16:52:27

End at: 2018-03-13 16:52:57

Below is generated by plot.py at 2018-03-13 19:23:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 196.69 Mbit/s

95th percentile per-packet one-way delay: 137.153 ms

Loss rate: 0.00%

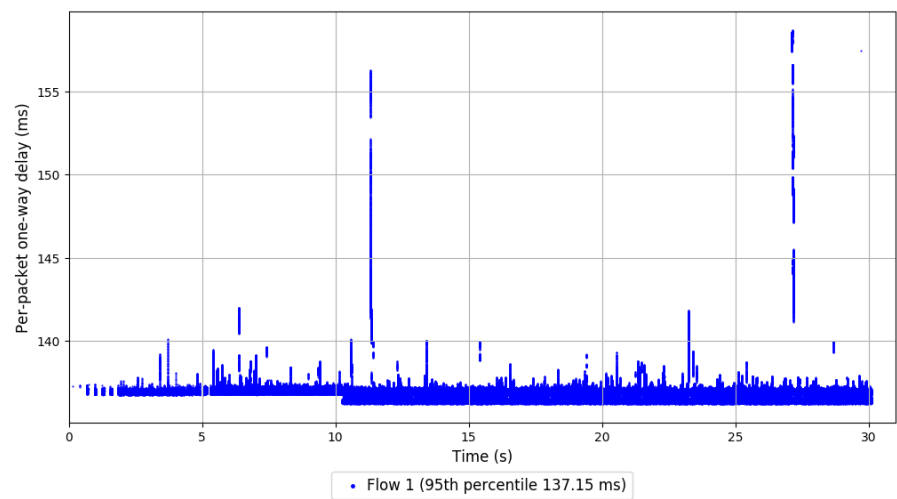
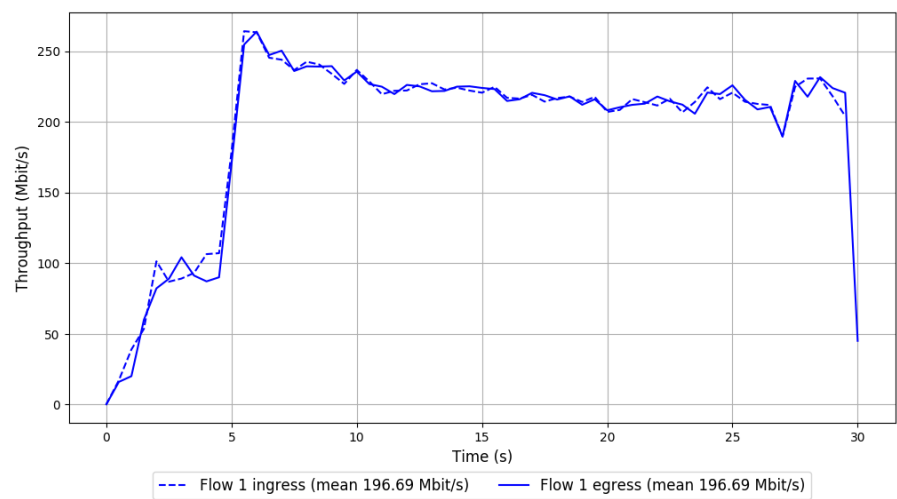
-- Flow 1:

Average throughput: 196.69 Mbit/s

95th percentile per-packet one-way delay: 137.153 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-03-13 17:08:22

End at: 2018-03-13 17:08:52

Below is generated by plot.py at 2018-03-13 19:23:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.37 Mbit/s

95th percentile per-packet one-way delay: 137.109 ms

Loss rate: 0.00%

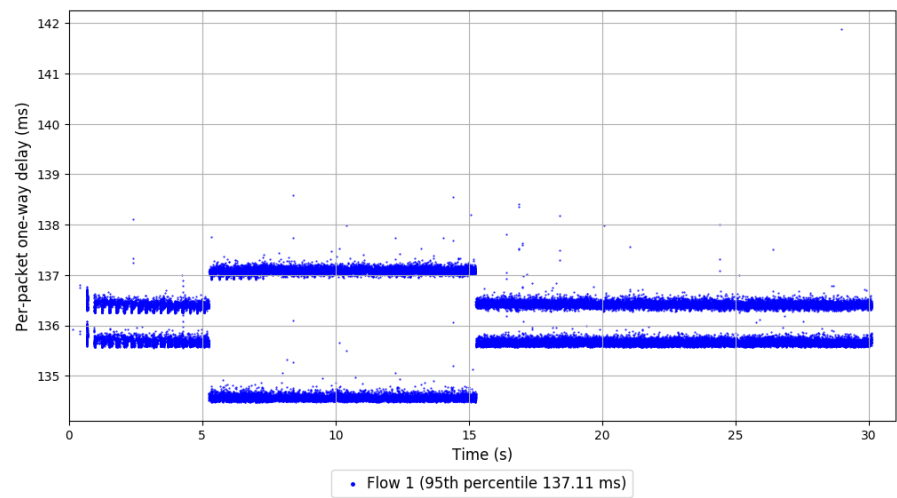
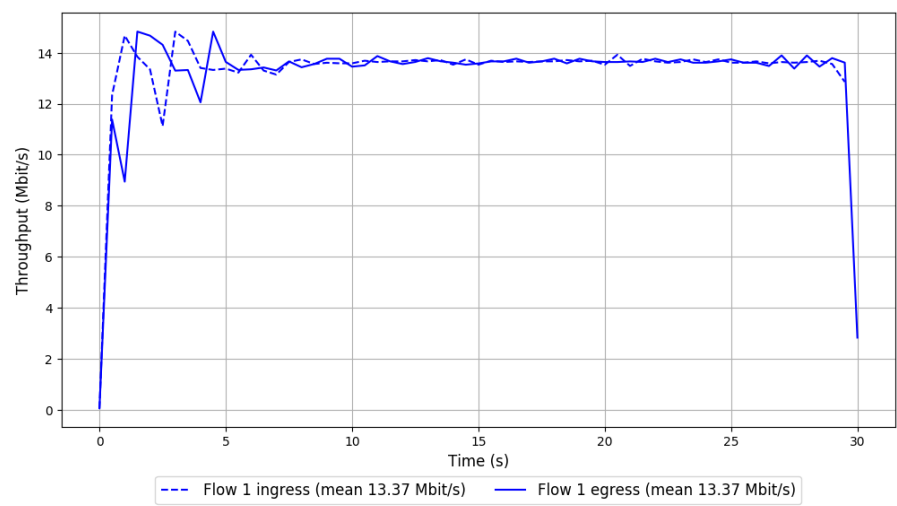
-- Flow 1:

Average throughput: 13.37 Mbit/s

95th percentile per-packet one-way delay: 137.109 ms

Loss rate: 0.00%

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

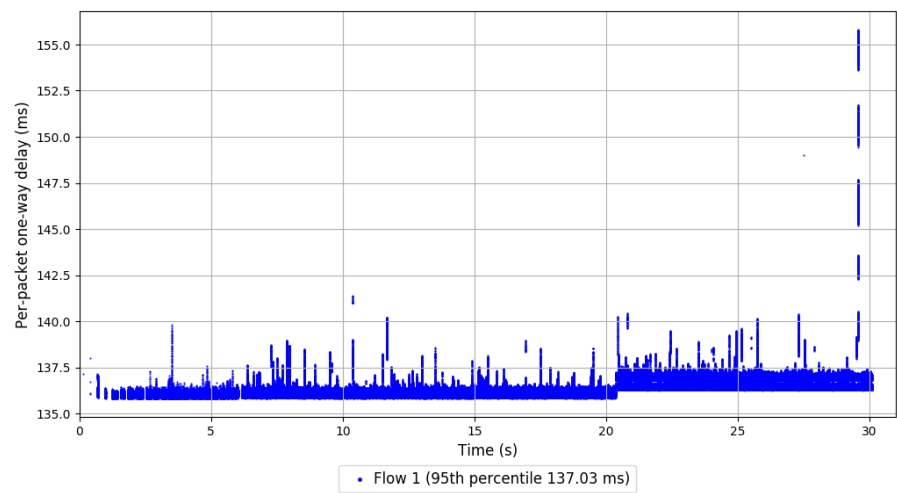
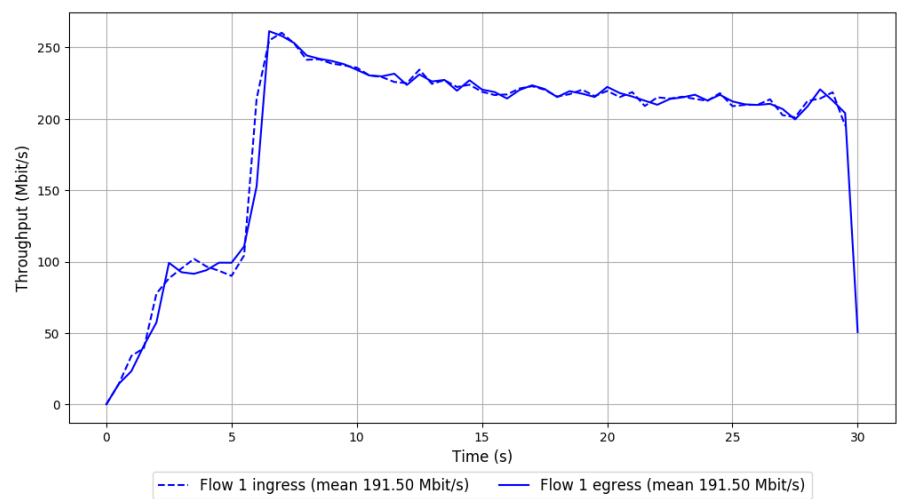


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-03-13 17:24:07
End at: 2018-03-13 17:24:37

# Below is generated by plot.py at 2018-03-13 19:23:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 191.50 Mbit/s
95th percentile per-packet one-way delay: 137.033 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 191.50 Mbit/s
95th percentile per-packet one-way delay: 137.033 ms
Loss rate: 0.00%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-03-13 15:01:22

End at: 2018-03-13 15:01:52

Below is generated by plot.py at 2018-03-13 19:23:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.52 Mbit/s

95th percentile per-packet one-way delay: 137.922 ms

Loss rate: 0.00%

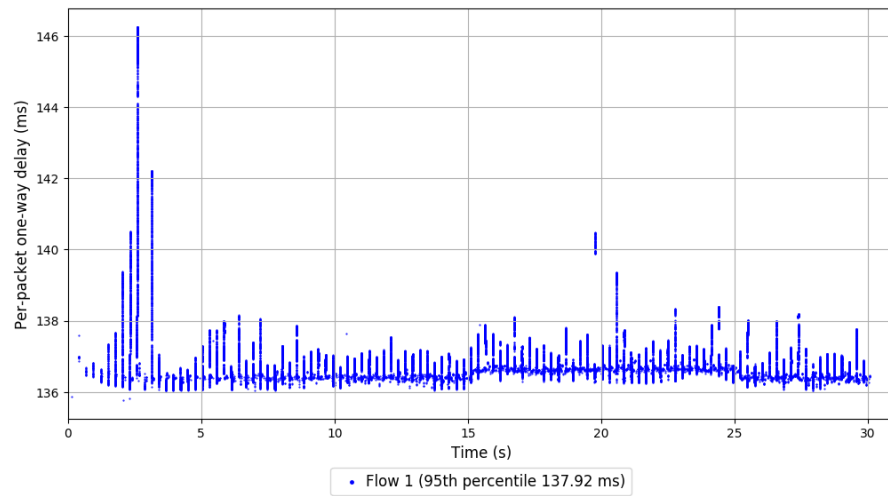
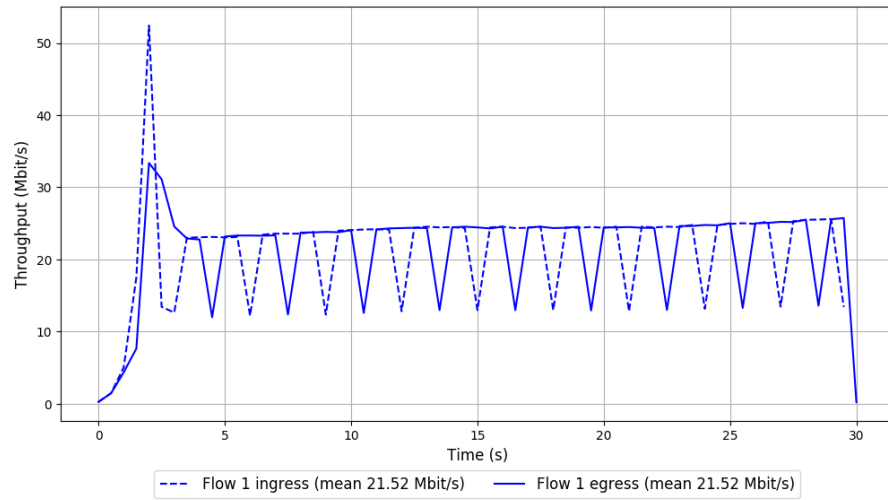
-- Flow 1:

Average throughput: 21.52 Mbit/s

95th percentile per-packet one-way delay: 137.922 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-03-13 15:17:22

End at: 2018-03-13 15:17:52

Below is generated by plot.py at 2018-03-13 19:23:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 25.69 Mbit/s

95th percentile per-packet one-way delay: 138.596 ms

Loss rate: 0.00%

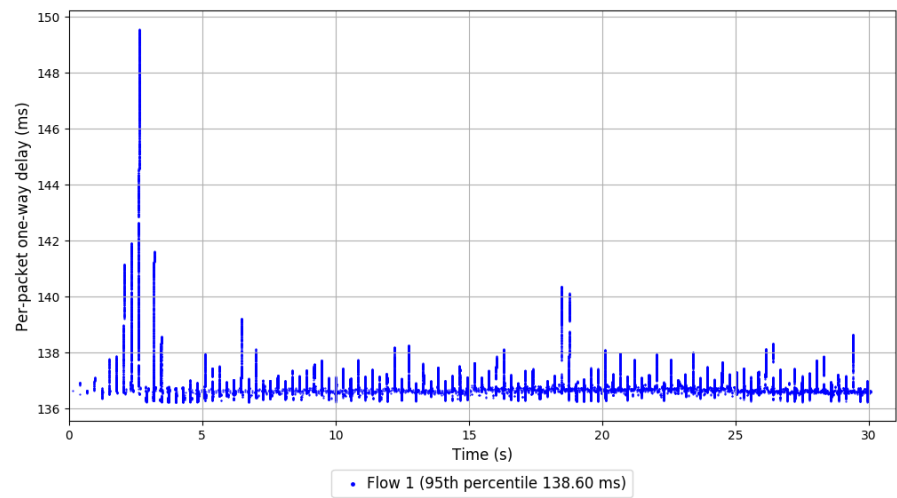
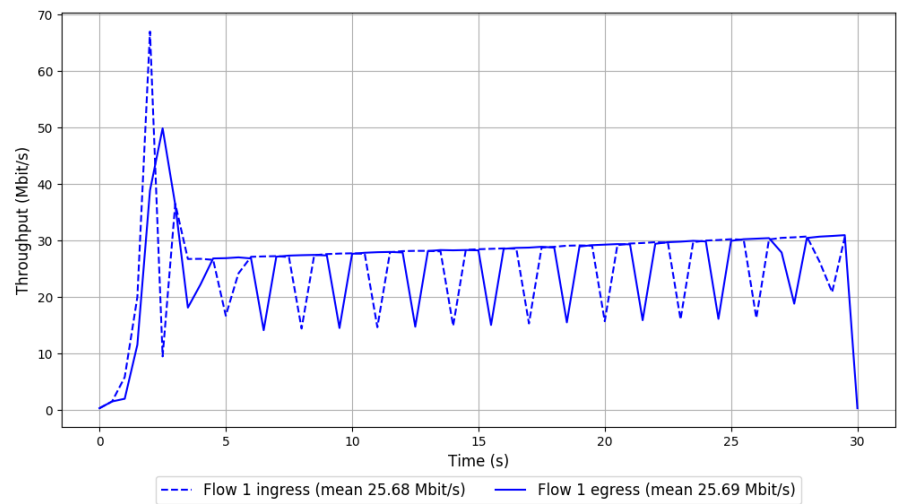
-- Flow 1:

Average throughput: 25.69 Mbit/s

95th percentile per-packet one-way delay: 138.596 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-03-13 15:32:56

End at: 2018-03-13 15:33:26

Below is generated by plot.py at 2018-03-13 19:23:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 25.60 Mbit/s

95th percentile per-packet one-way delay: 137.936 ms

Loss rate: 0.00%

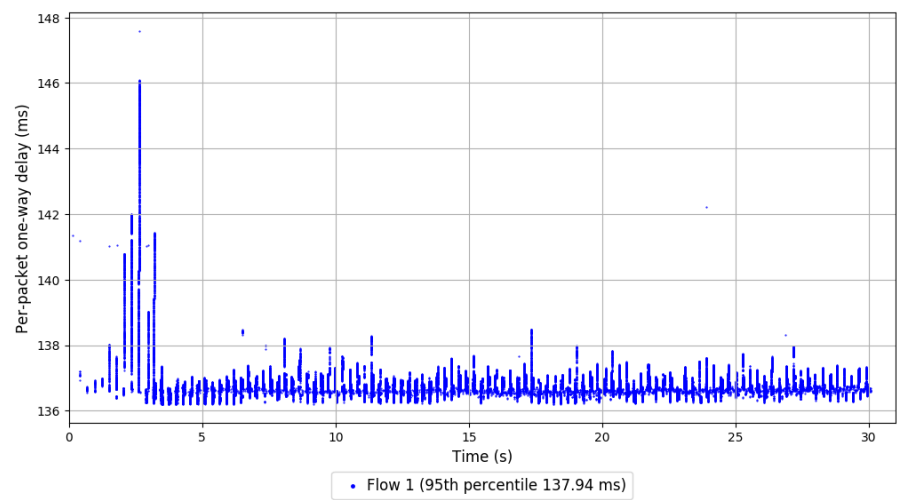
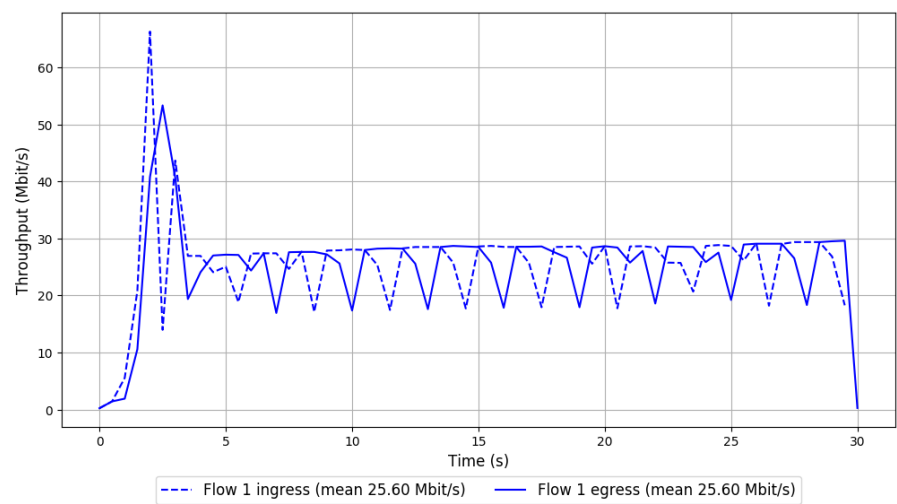
-- Flow 1:

Average throughput: 25.60 Mbit/s

95th percentile per-packet one-way delay: 137.936 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-03-13 15:48:45

End at: 2018-03-13 15:49:15

Below is generated by plot.py at 2018-03-13 19:23:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.20 Mbit/s

95th percentile per-packet one-way delay: 138.741 ms

Loss rate: 0.00%

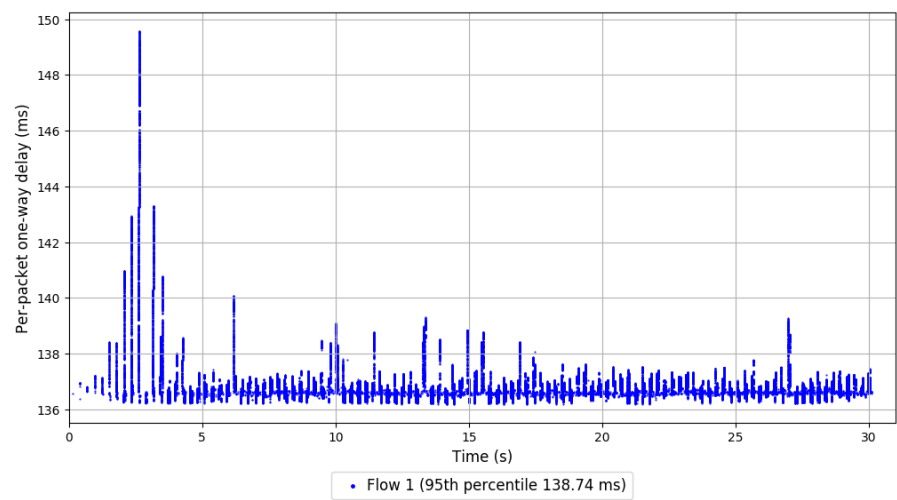
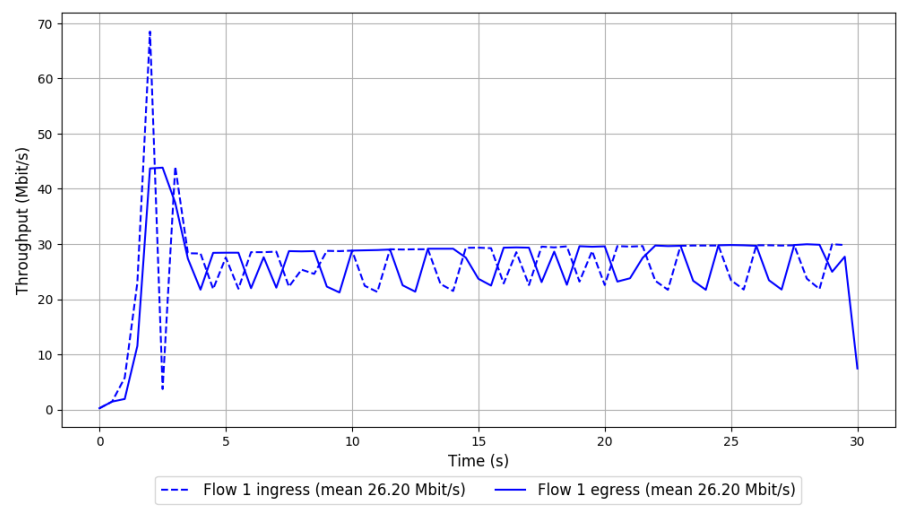
-- Flow 1:

Average throughput: 26.20 Mbit/s

95th percentile per-packet one-way delay: 138.741 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-03-13 16:04:15

End at: 2018-03-13 16:04:45

Below is generated by plot.py at 2018-03-13 19:23:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.31 Mbit/s

95th percentile per-packet one-way delay: 143.001 ms

Loss rate: 0.00%

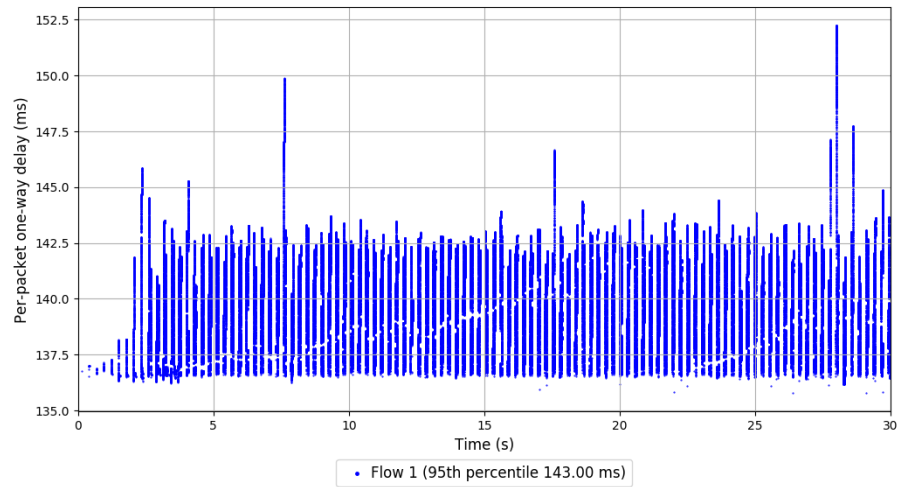
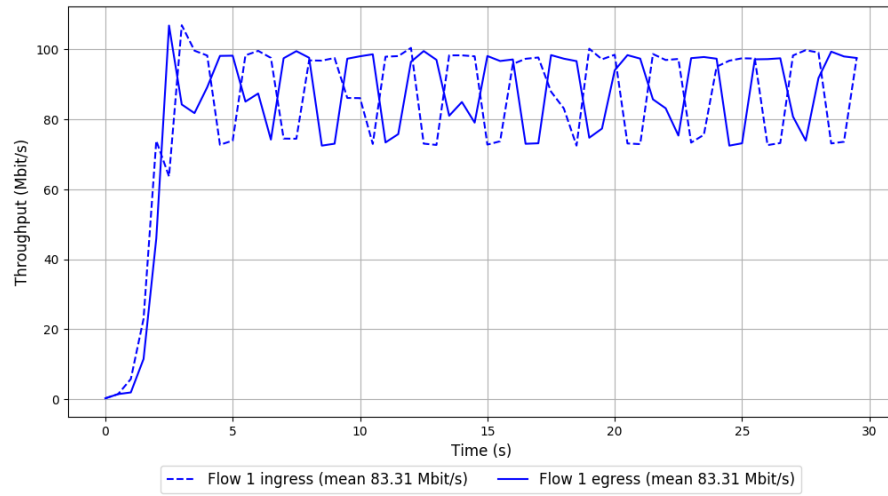
-- Flow 1:

Average throughput: 83.31 Mbit/s

95th percentile per-packet one-way delay: 143.001 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-03-13 16:20:09

End at: 2018-03-13 16:20:39

Below is generated by plot.py at 2018-03-13 19:23:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.46 Mbit/s

95th percentile per-packet one-way delay: 138.238 ms

Loss rate: 0.00%

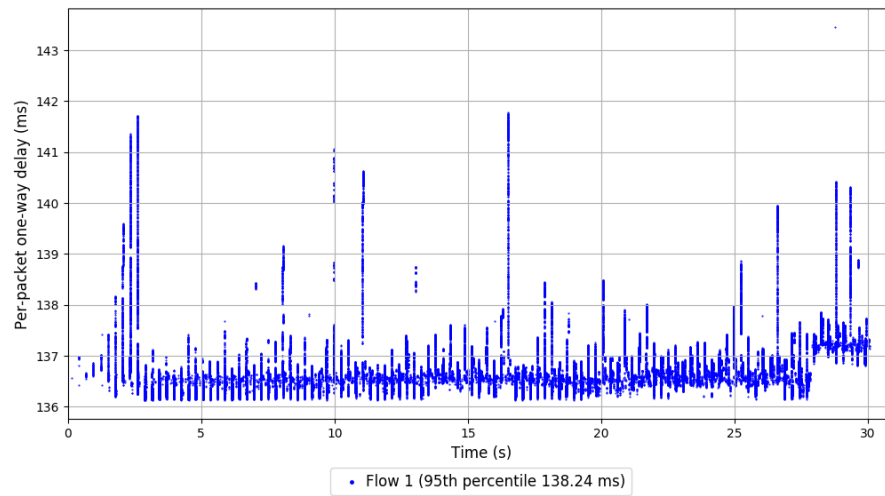
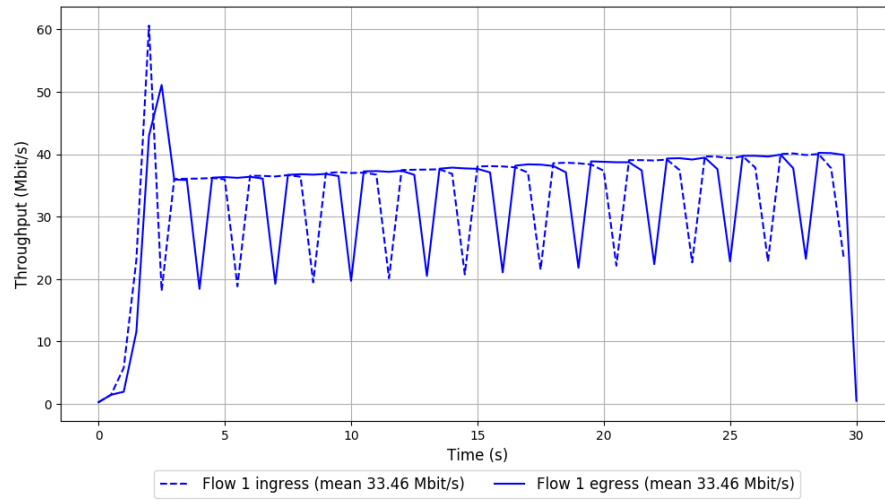
-- Flow 1:

Average throughput: 33.46 Mbit/s

95th percentile per-packet one-way delay: 138.238 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-03-13 16:35:57

End at: 2018-03-13 16:36:27

Below is generated by plot.py at 2018-03-13 19:23:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.40 Mbit/s

95th percentile per-packet one-way delay: 138.446 ms

Loss rate: 0.00%

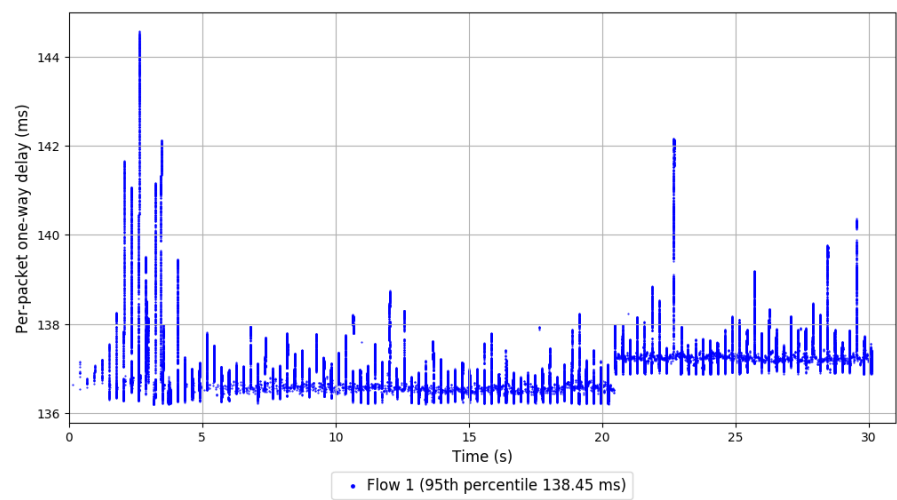
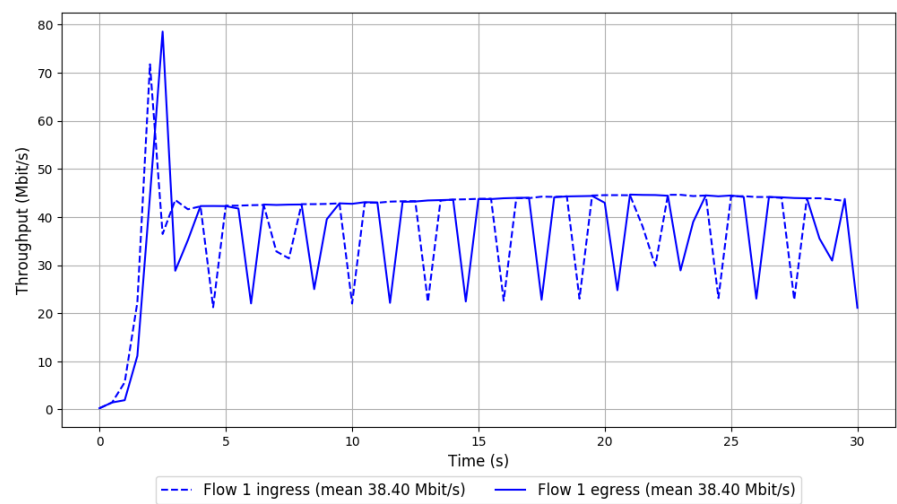
-- Flow 1:

Average throughput: 38.40 Mbit/s

95th percentile per-packet one-way delay: 138.446 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-03-13 16:51:43

End at: 2018-03-13 16:52:13

Below is generated by plot.py at 2018-03-13 19:23:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.45 Mbit/s

95th percentile per-packet one-way delay: 137.895 ms

Loss rate: 0.00%

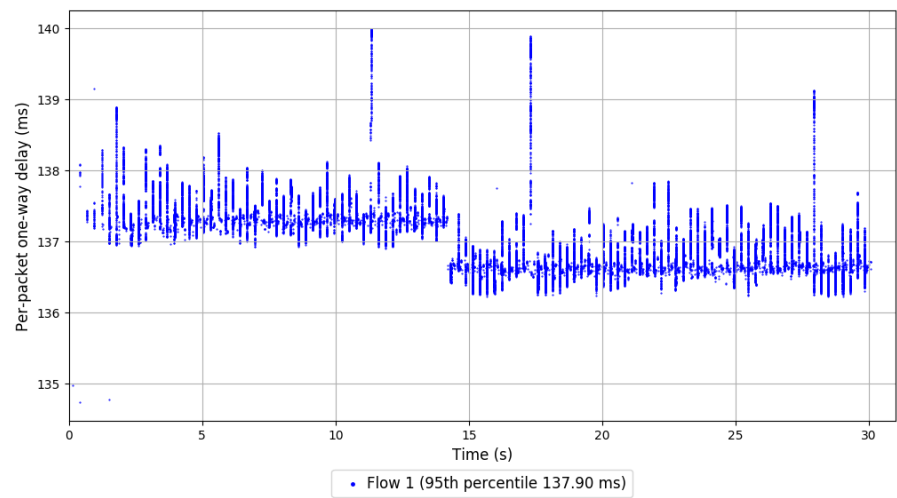
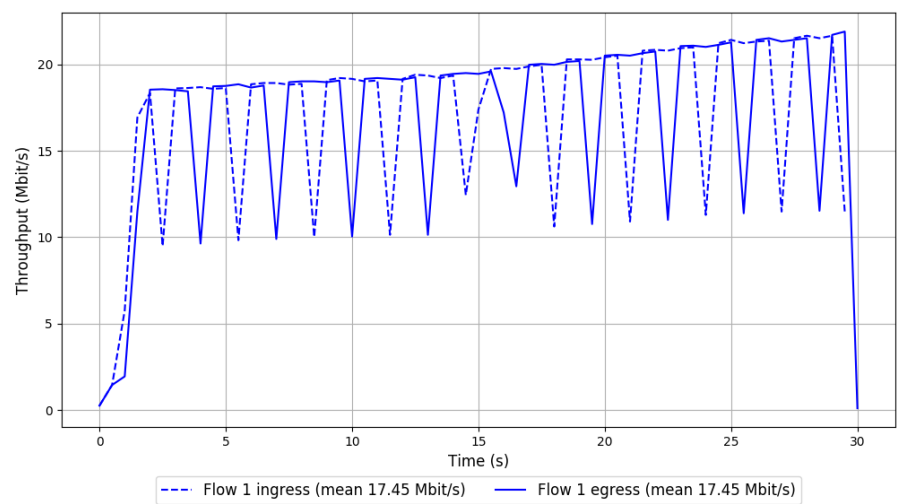
-- Flow 1:

Average throughput: 17.45 Mbit/s

95th percentile per-packet one-way delay: 137.895 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-03-13 17:07:35

End at: 2018-03-13 17:08:05

Below is generated by plot.py at 2018-03-13 19:23:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.92 Mbit/s

95th percentile per-packet one-way delay: 143.880 ms

Loss rate: 0.07%

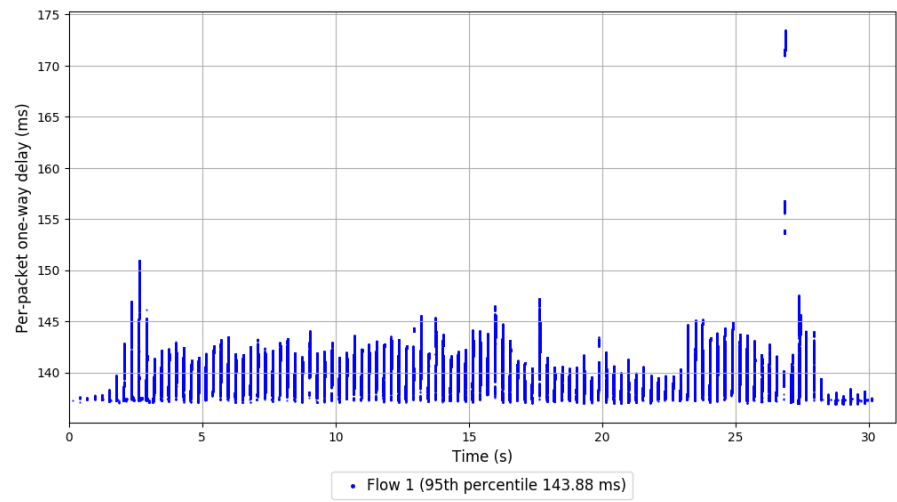
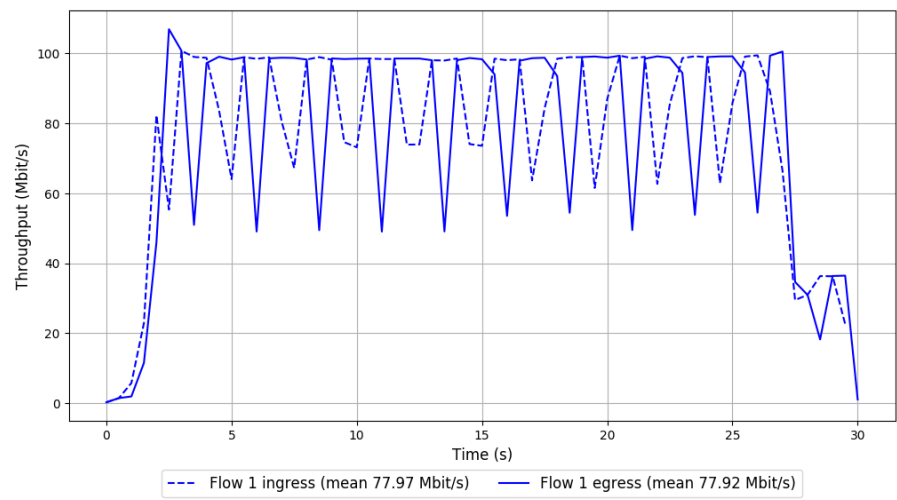
-- Flow 1:

Average throughput: 77.92 Mbit/s

95th percentile per-packet one-way delay: 143.880 ms

Loss rate: 0.07%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-03-13 17:23:21

End at: 2018-03-13 17:23:51

Below is generated by plot.py at 2018-03-13 19:23:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.87 Mbit/s

95th percentile per-packet one-way delay: 138.858 ms

Loss rate: 0.00%

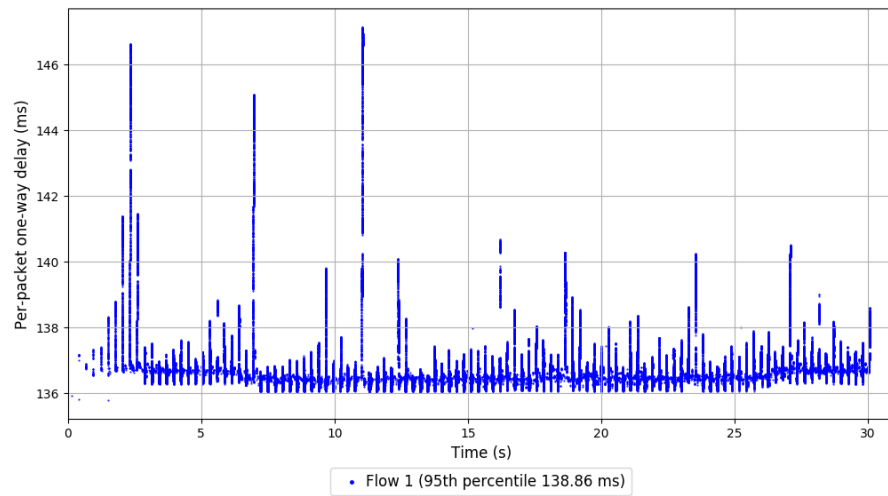
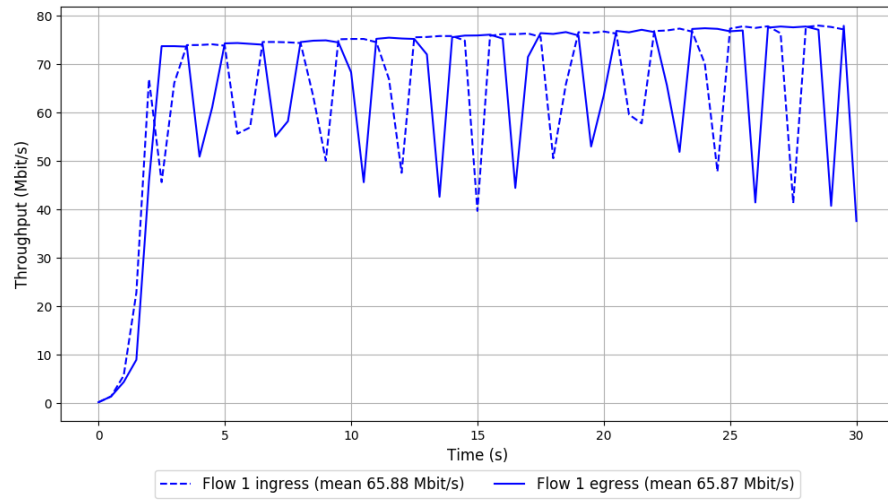
-- Flow 1:

Average throughput: 65.87 Mbit/s

95th percentile per-packet one-way delay: 138.858 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-03-13 14:53:40

End at: 2018-03-13 14:54:10

Below is generated by plot.py at 2018-03-13 19:23:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 127.51 Mbit/s

95th percentile per-packet one-way delay: 178.721 ms

Loss rate: 0.01%

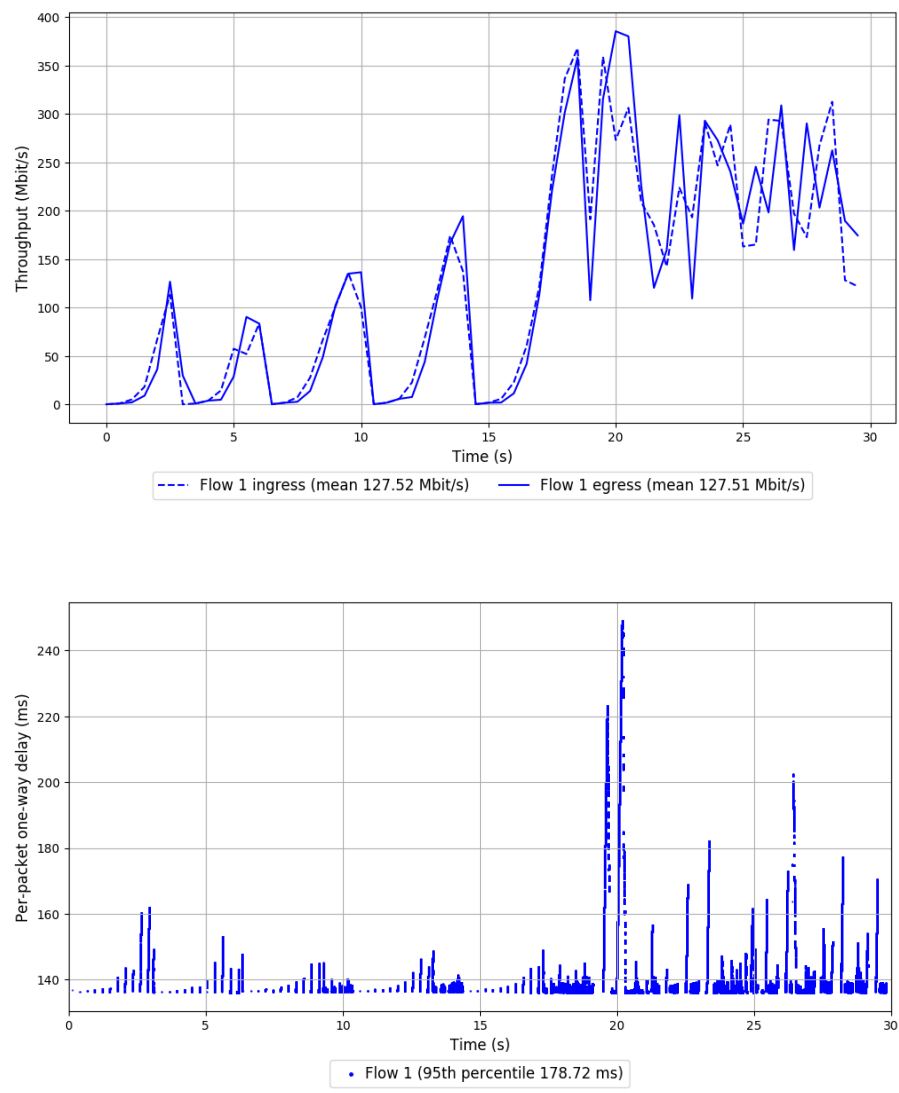
-- Flow 1:

Average throughput: 127.51 Mbit/s

95th percentile per-packet one-way delay: 178.721 ms

Loss rate: 0.01%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-03-13 15:09:35

End at: 2018-03-13 15:10:05

Below is generated by plot.py at 2018-03-13 19:24:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.97 Mbit/s

95th percentile per-packet one-way delay: 208.546 ms

Loss rate: 0.60%

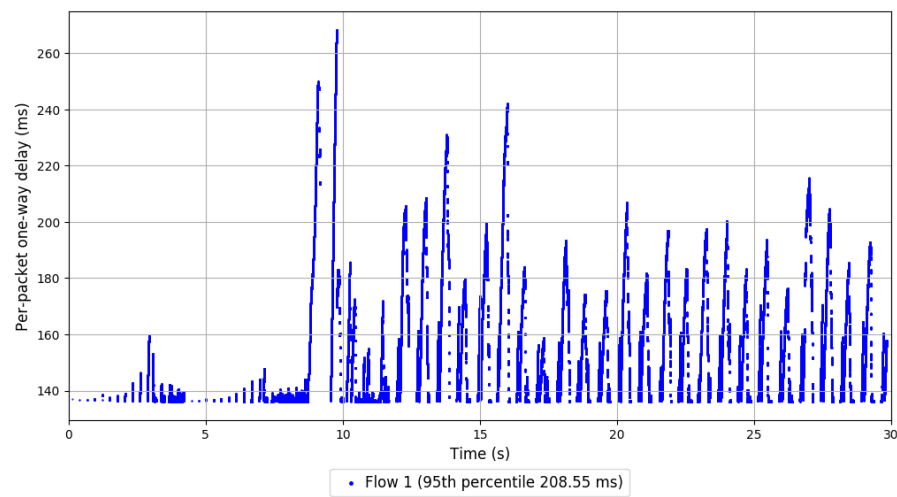
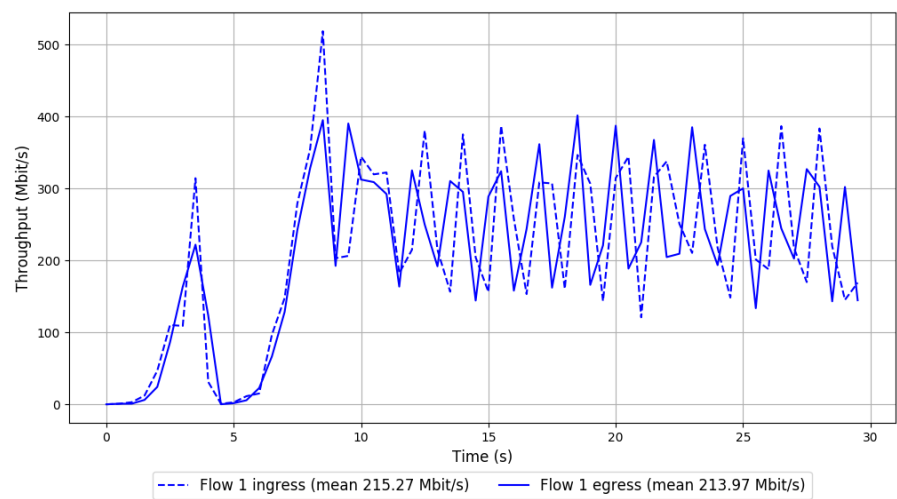
-- Flow 1:

Average throughput: 213.97 Mbit/s

95th percentile per-packet one-way delay: 208.546 ms

Loss rate: 0.60%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-03-13 15:25:16

End at: 2018-03-13 15:25:46

Below is generated by plot.py at 2018-03-13 19:24:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 166.27 Mbit/s

95th percentile per-packet one-way delay: 166.900 ms

Loss rate: 0.00%

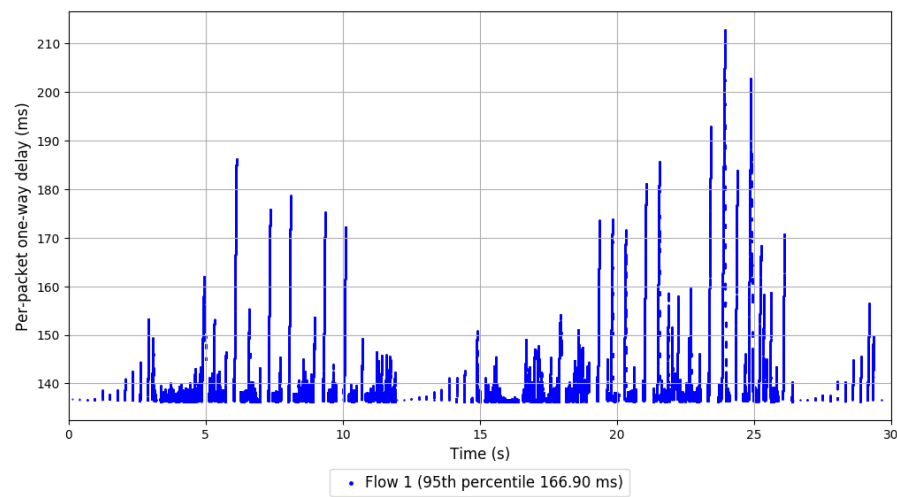
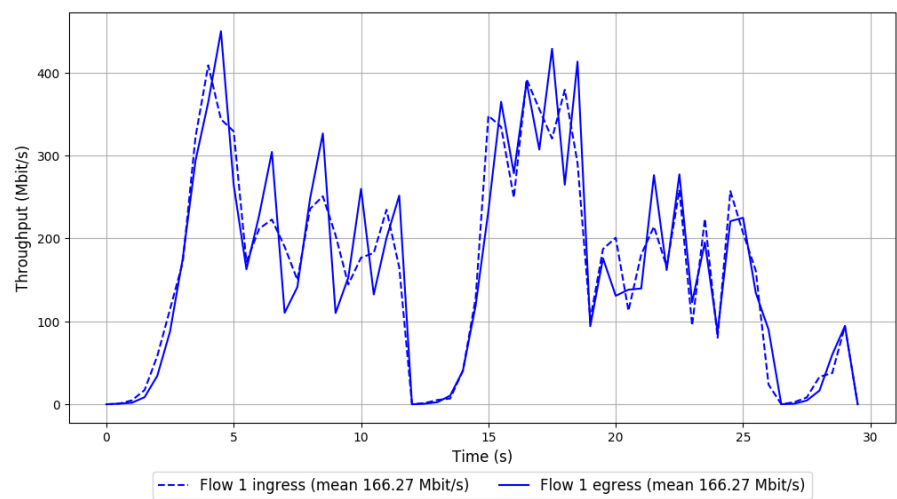
-- Flow 1:

Average throughput: 166.27 Mbit/s

95th percentile per-packet one-way delay: 166.900 ms

Loss rate: 0.00%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-03-13 15:41:07

End at: 2018-03-13 15:41:37

Below is generated by plot.py at 2018-03-13 19:24:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.93 Mbit/s

95th percentile per-packet one-way delay: 142.250 ms

Loss rate: 0.00%

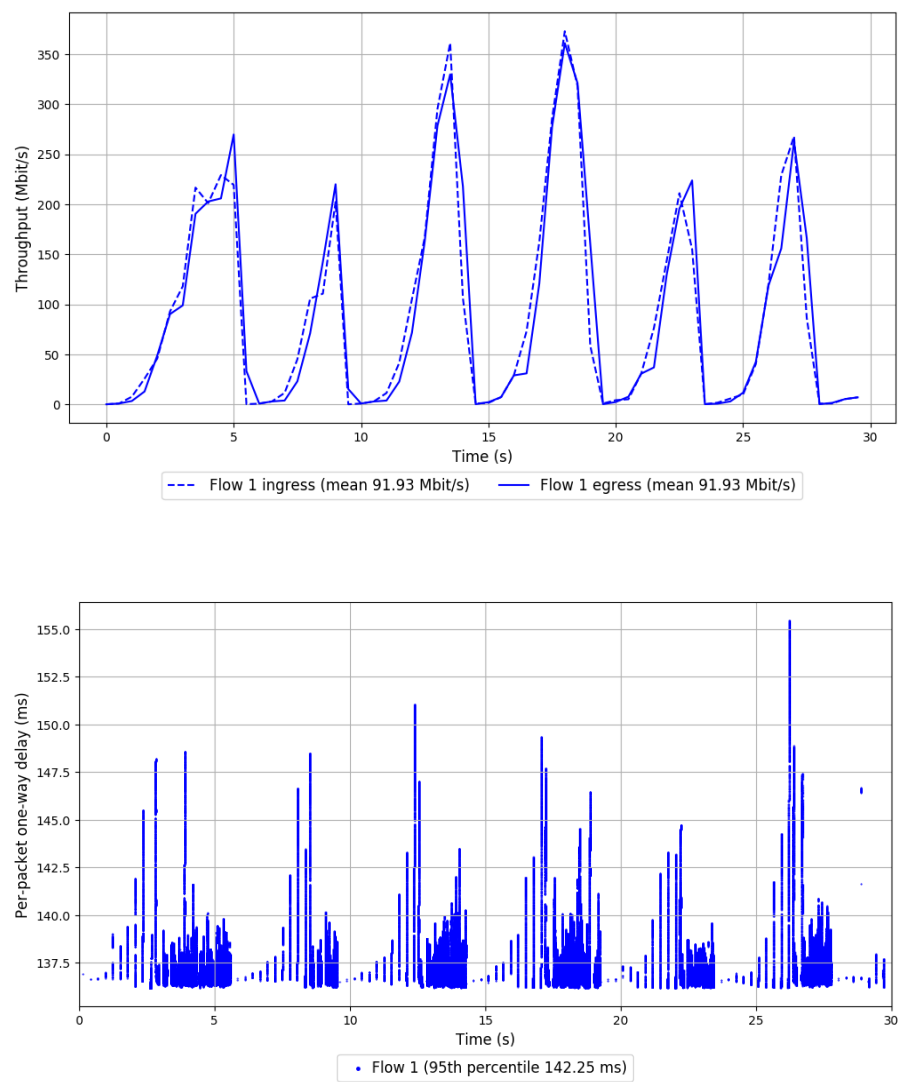
-- Flow 1:

Average throughput: 91.93 Mbit/s

95th percentile per-packet one-way delay: 142.250 ms

Loss rate: 0.00%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-03-13 15:56:39

End at: 2018-03-13 15:57:09

Below is generated by plot.py at 2018-03-13 19:25:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 202.56 Mbit/s

95th percentile per-packet one-way delay: 193.337 ms

Loss rate: 0.17%

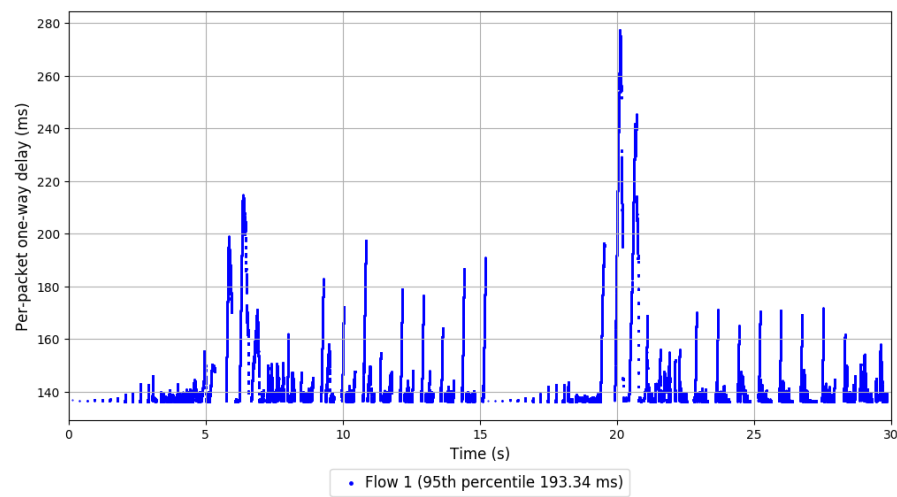
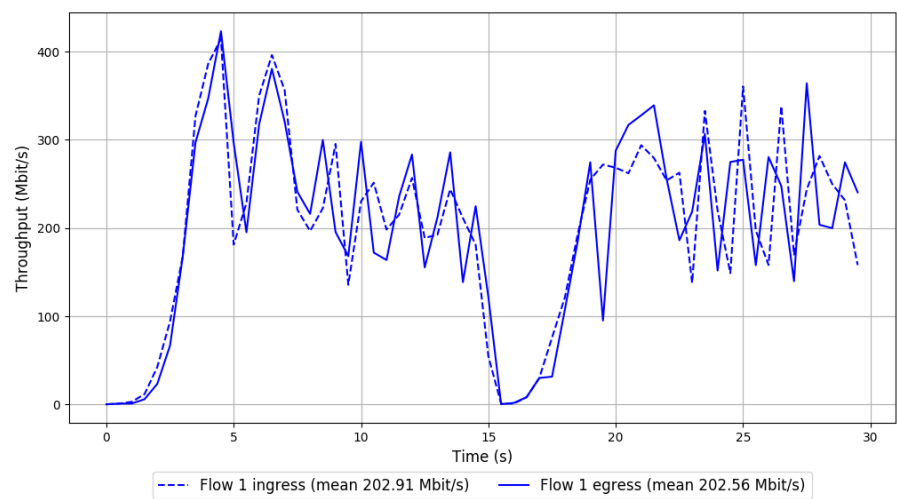
-- Flow 1:

Average throughput: 202.56 Mbit/s

95th percentile per-packet one-way delay: 193.337 ms

Loss rate: 0.17%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-03-13 16:12:30

End at: 2018-03-13 16:13:00

Below is generated by plot.py at 2018-03-13 19:25:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.08 Mbit/s

95th percentile per-packet one-way delay: 170.785 ms

Loss rate: 0.00%

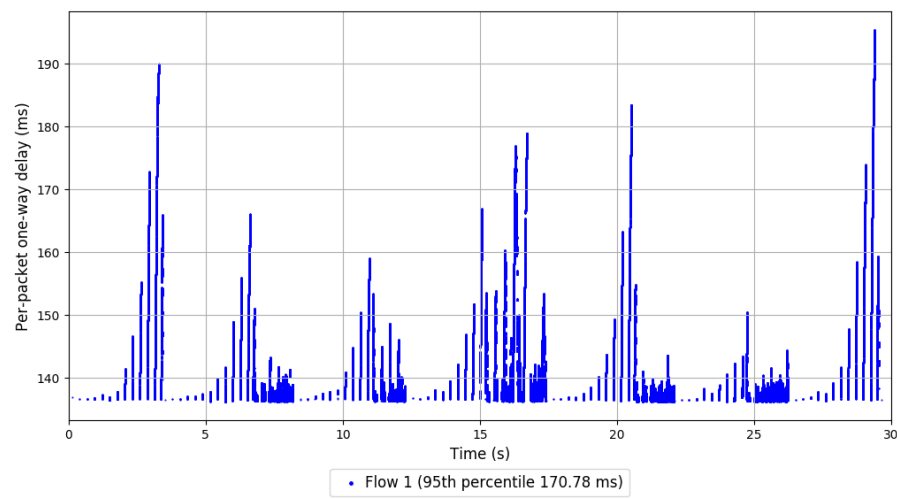
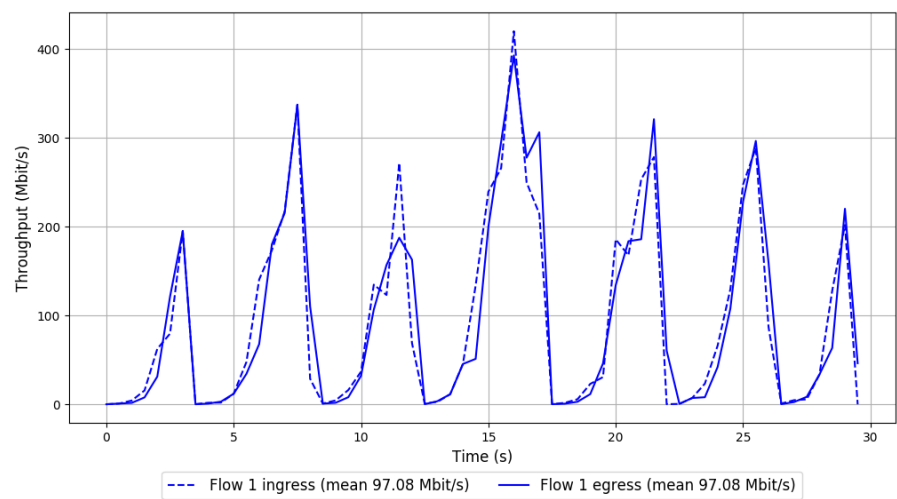
-- Flow 1:

Average throughput: 97.08 Mbit/s

95th percentile per-packet one-way delay: 170.785 ms

Loss rate: 0.00%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-03-13 16:28:04

End at: 2018-03-13 16:28:34

Below is generated by plot.py at 2018-03-13 19:26:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 142.44 Mbit/s

95th percentile per-packet one-way delay: 160.849 ms

Loss rate: 0.00%

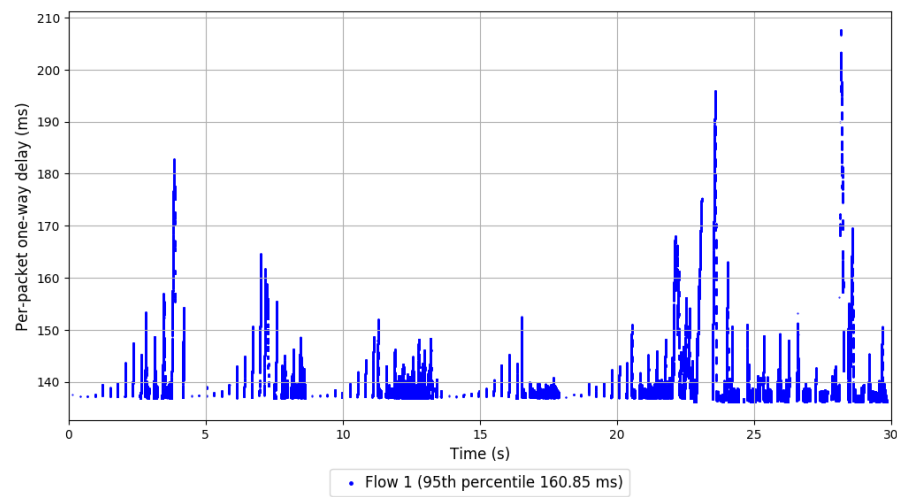
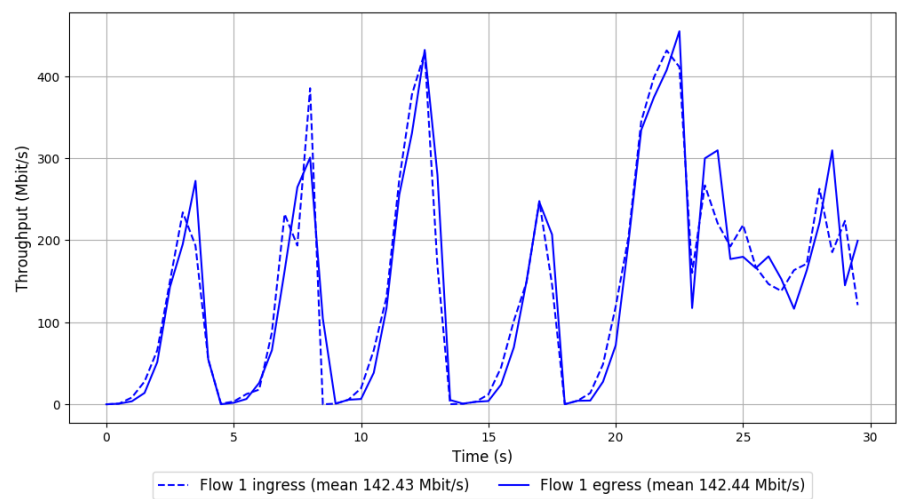
-- Flow 1:

Average throughput: 142.44 Mbit/s

95th percentile per-packet one-way delay: 160.849 ms

Loss rate: 0.00%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-03-13 16:43:52

End at: 2018-03-13 16:44:22

Below is generated by plot.py at 2018-03-13 19:26:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 164.17 Mbit/s

95th percentile per-packet one-way delay: 175.502 ms

Loss rate: 0.00%

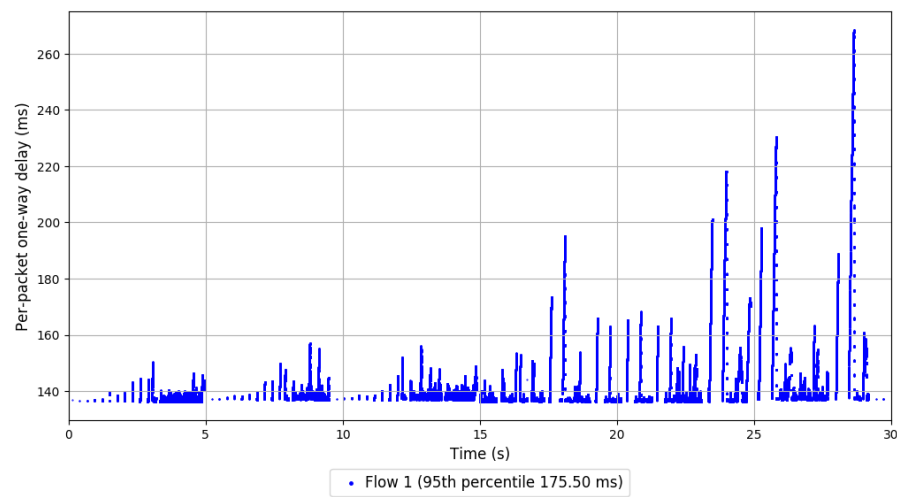
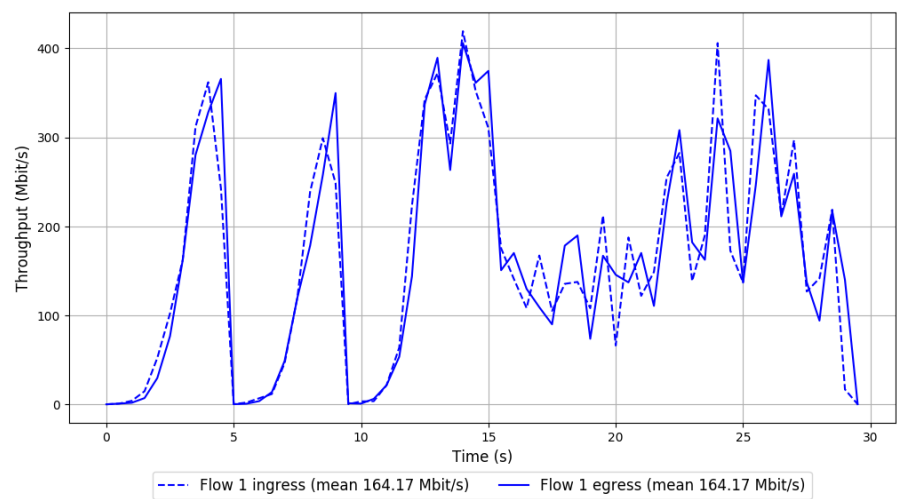
-- Flow 1:

Average throughput: 164.17 Mbit/s

95th percentile per-packet one-way delay: 175.502 ms

Loss rate: 0.00%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-03-13 16:59:56

End at: 2018-03-13 17:00:26

Below is generated by plot.py at 2018-03-13 19:26:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.53 Mbit/s

95th percentile per-packet one-way delay: 146.314 ms

Loss rate: 0.00%

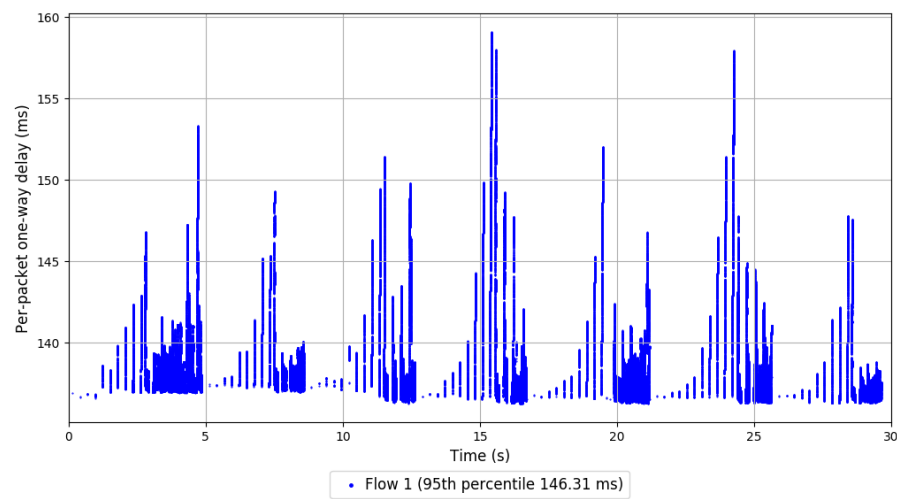
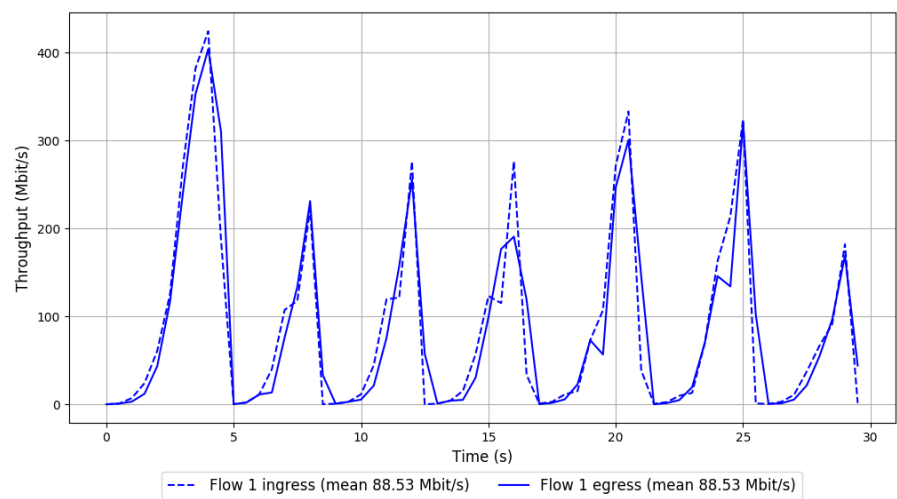
-- Flow 1:

Average throughput: 88.53 Mbit/s

95th percentile per-packet one-way delay: 146.314 ms

Loss rate: 0.00%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-03-13 17:15:31

End at: 2018-03-13 17:16:01

Below is generated by plot.py at 2018-03-13 19:28:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.78 Mbit/s

95th percentile per-packet one-way delay: 167.797 ms

Loss rate: 0.01%

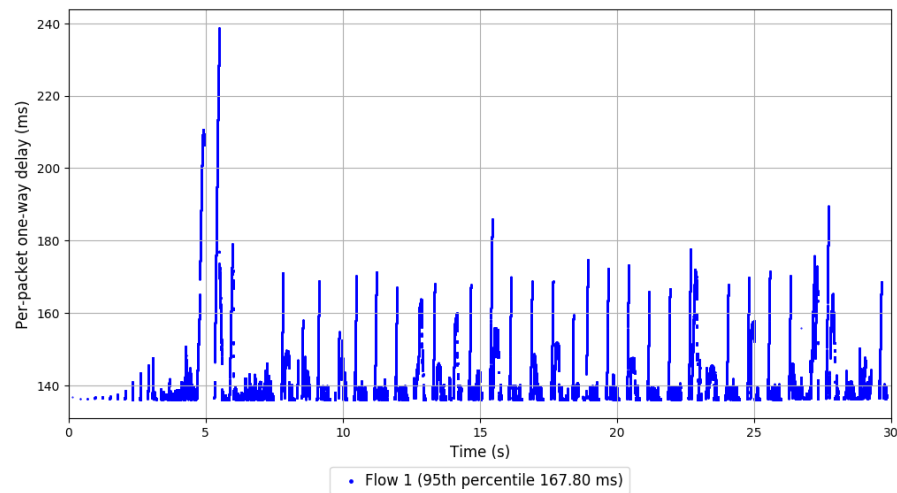
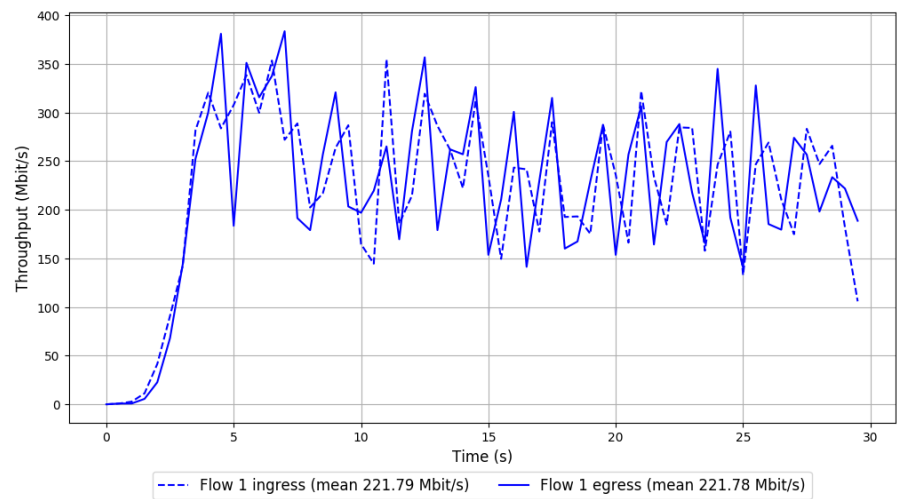
-- Flow 1:

Average throughput: 221.78 Mbit/s

95th percentile per-packet one-way delay: 167.797 ms

Loss rate: 0.01%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-03-13 15:06:25

End at: 2018-03-13 15:06:55

Below is generated by plot.py at 2018-03-13 19:28:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.28 Mbit/s

95th percentile per-packet one-way delay: 136.525 ms

Loss rate: 0.00%

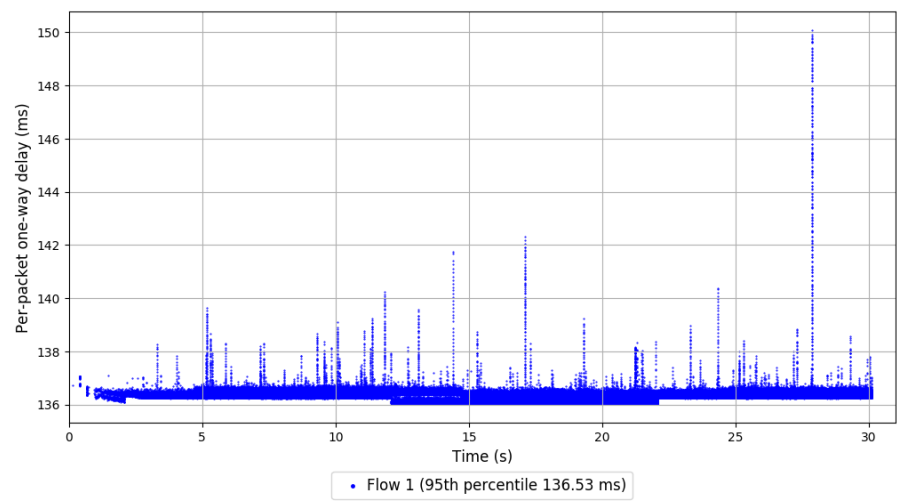
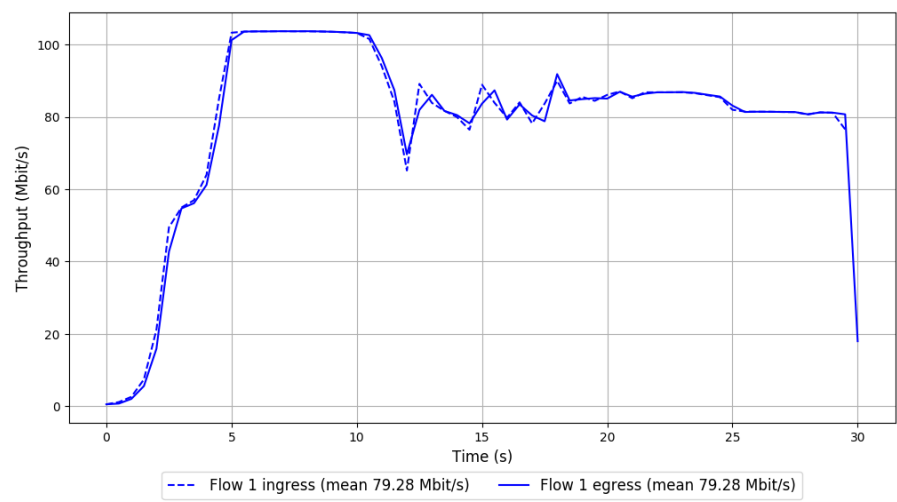
-- Flow 1:

Average throughput: 79.28 Mbit/s

95th percentile per-packet one-way delay: 136.525 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-03-13 15:22:08

End at: 2018-03-13 15:22:38

Below is generated by plot.py at 2018-03-13 19:28:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 36.19 Mbit/s

95th percentile per-packet one-way delay: 141.059 ms

Loss rate: 0.00%

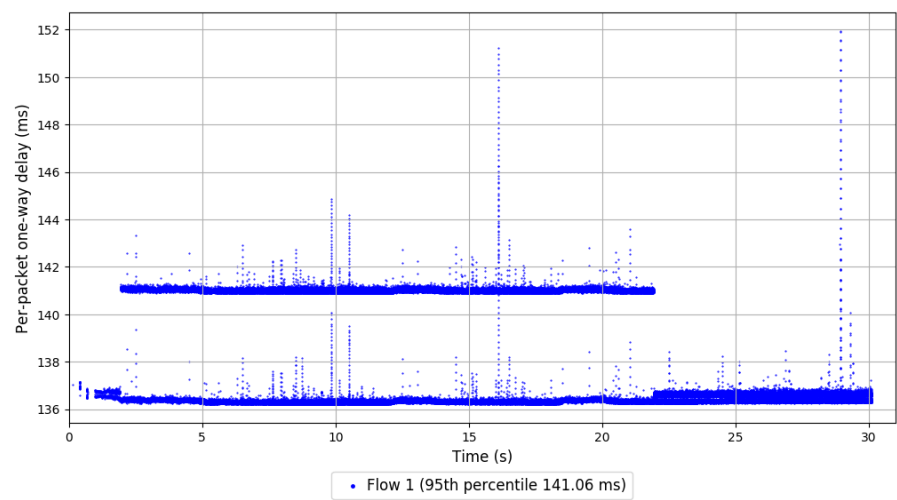
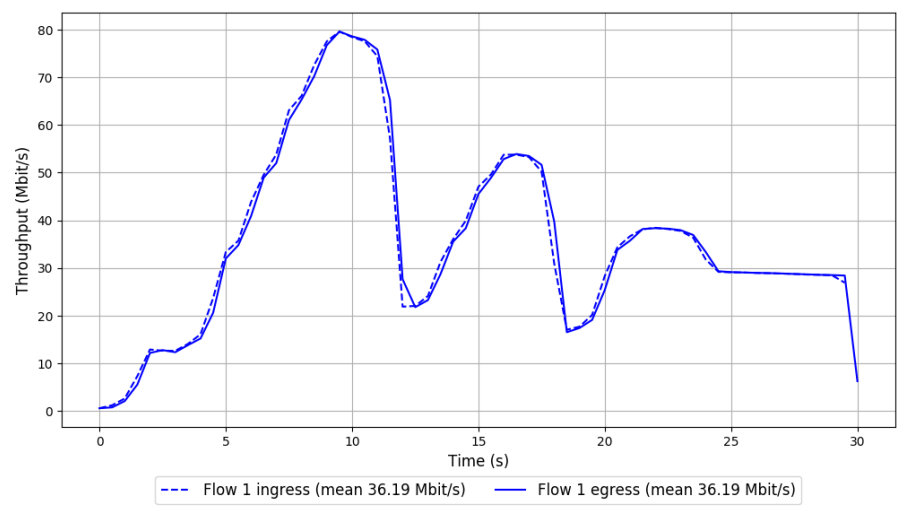
-- Flow 1:

Average throughput: 36.19 Mbit/s

95th percentile per-packet one-way delay: 141.059 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-03-13 15:37:59

End at: 2018-03-13 15:38:29

Below is generated by plot.py at 2018-03-13 19:28:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.52 Mbit/s

95th percentile per-packet one-way delay: 141.113 ms

Loss rate: 0.00%

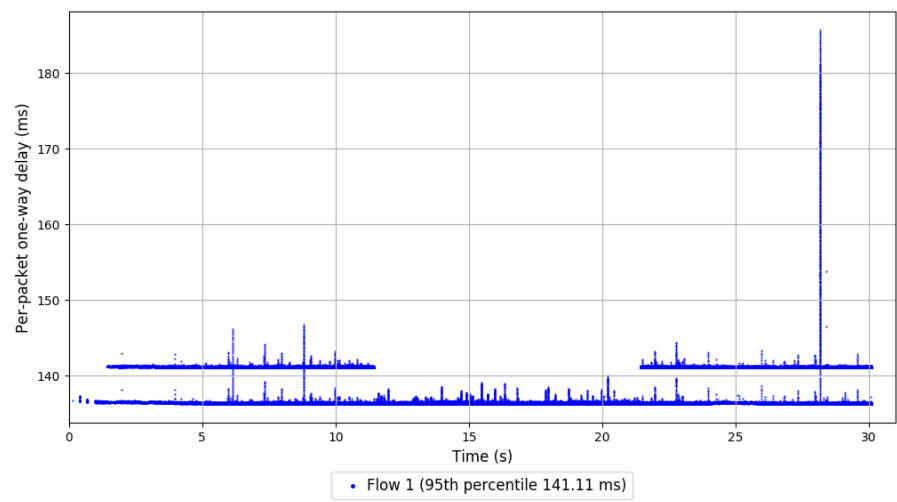
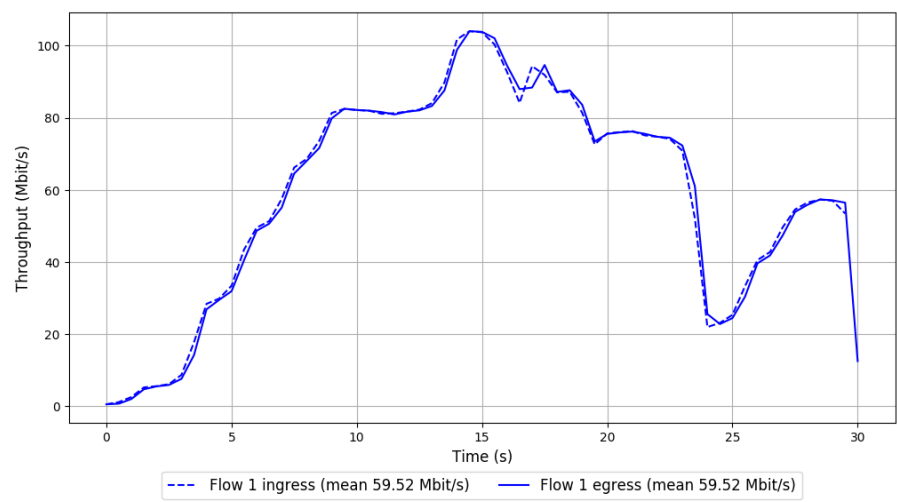
-- Flow 1:

Average throughput: 59.52 Mbit/s

95th percentile per-packet one-way delay: 141.113 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-03-13 15:53:28

End at: 2018-03-13 15:53:58

Below is generated by plot.py at 2018-03-13 19:28:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.92 Mbit/s

95th percentile per-packet one-way delay: 136.456 ms

Loss rate: 0.00%

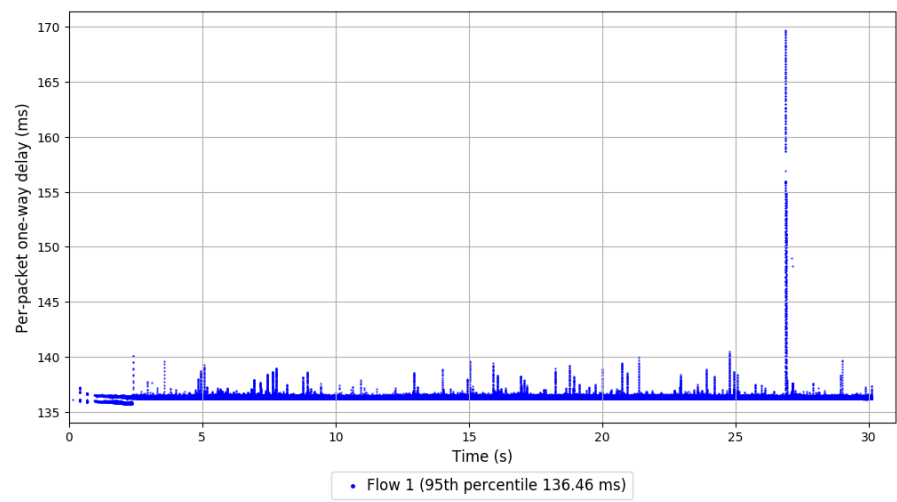
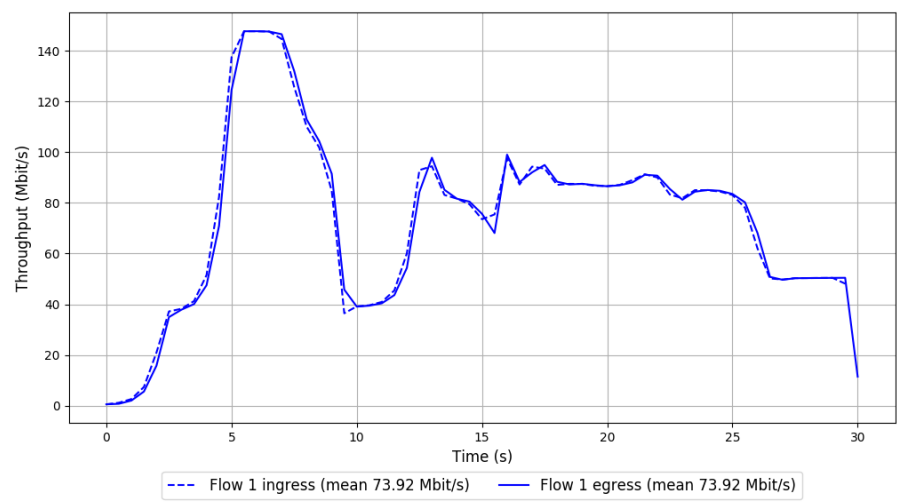
-- Flow 1:

Average throughput: 73.92 Mbit/s

95th percentile per-packet one-way delay: 136.456 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-03-13 16:09:19

End at: 2018-03-13 16:09:49

Below is generated by plot.py at 2018-03-13 19:29:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.93 Mbit/s

95th percentile per-packet one-way delay: 136.293 ms

Loss rate: 0.00%

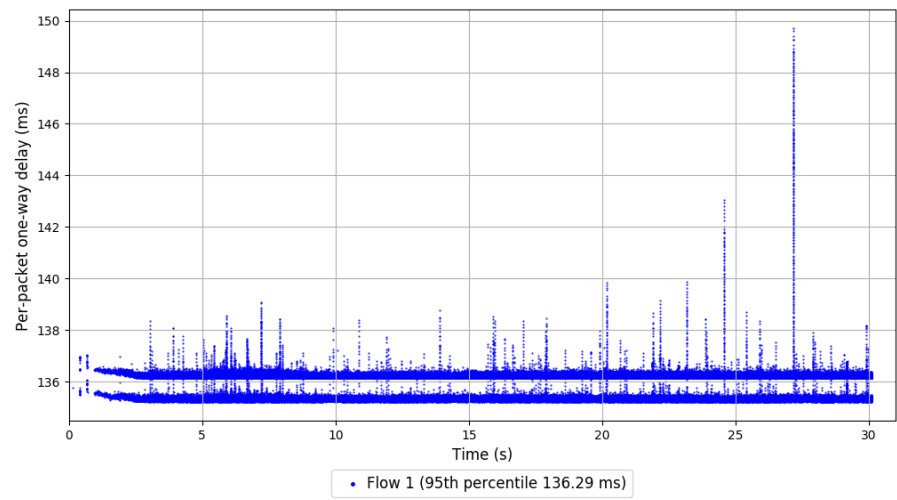
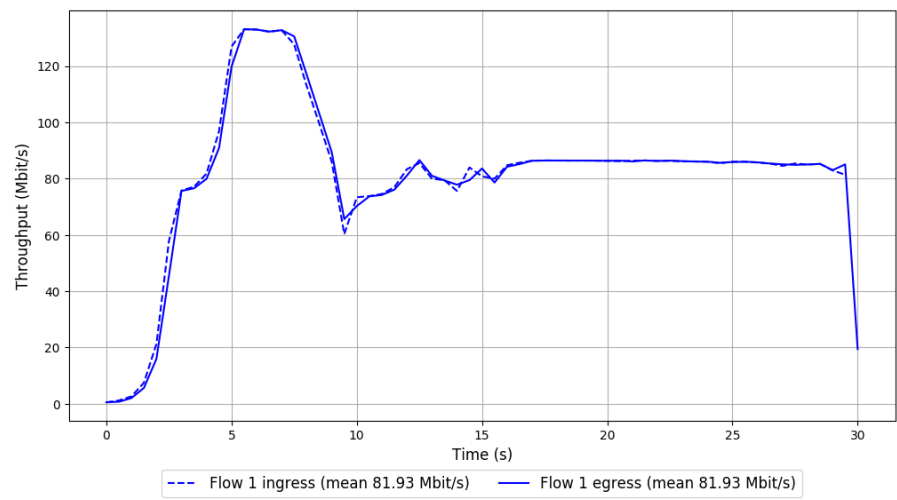
-- Flow 1:

Average throughput: 81.93 Mbit/s

95th percentile per-packet one-way delay: 136.293 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-03-13 16:24:54

End at: 2018-03-13 16:25:24

Below is generated by plot.py at 2018-03-13 19:29:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.59 Mbit/s

95th percentile per-packet one-way delay: 136.942 ms

Loss rate: 0.00%

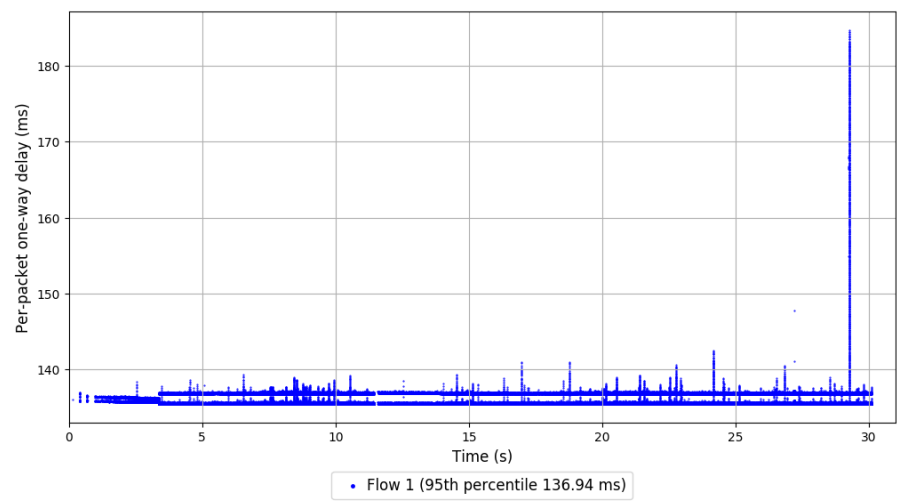
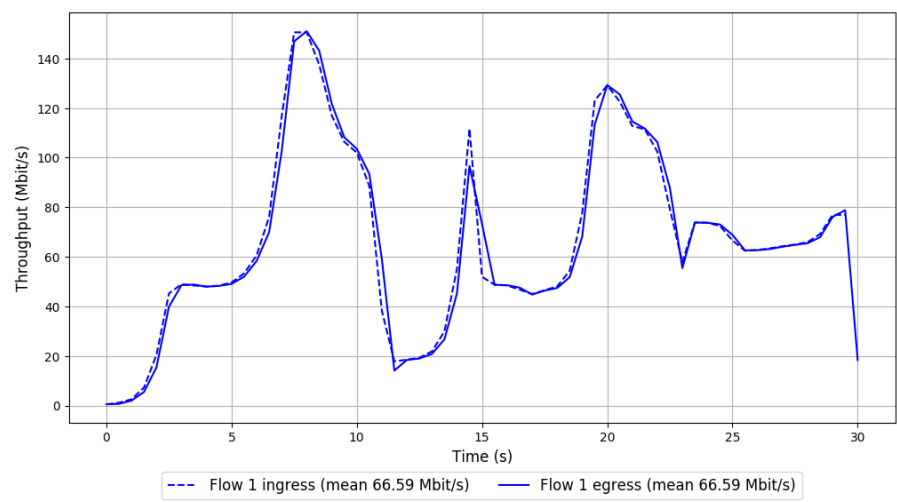
-- Flow 1:

Average throughput: 66.59 Mbit/s

95th percentile per-packet one-way delay: 136.942 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-03-13 16:40:42

End at: 2018-03-13 16:41:12

Below is generated by plot.py at 2018-03-13 19:29:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.51 Mbit/s

95th percentile per-packet one-way delay: 136.955 ms

Loss rate: 0.00%

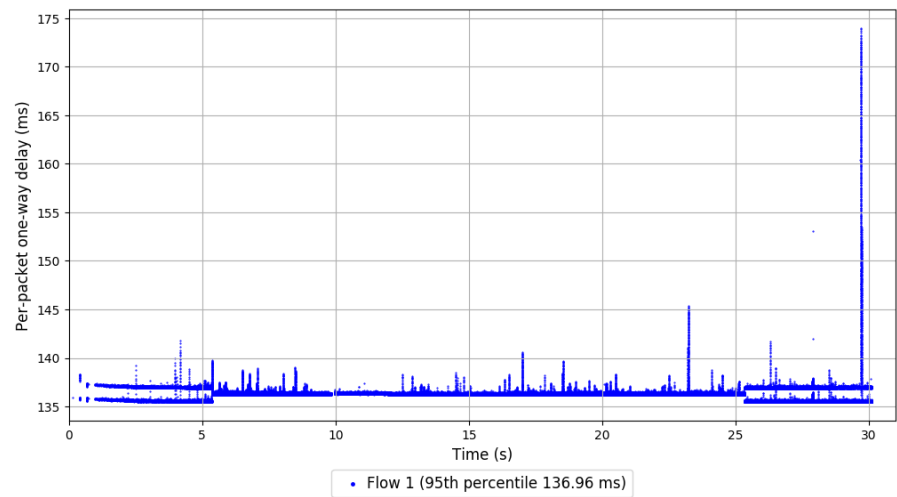
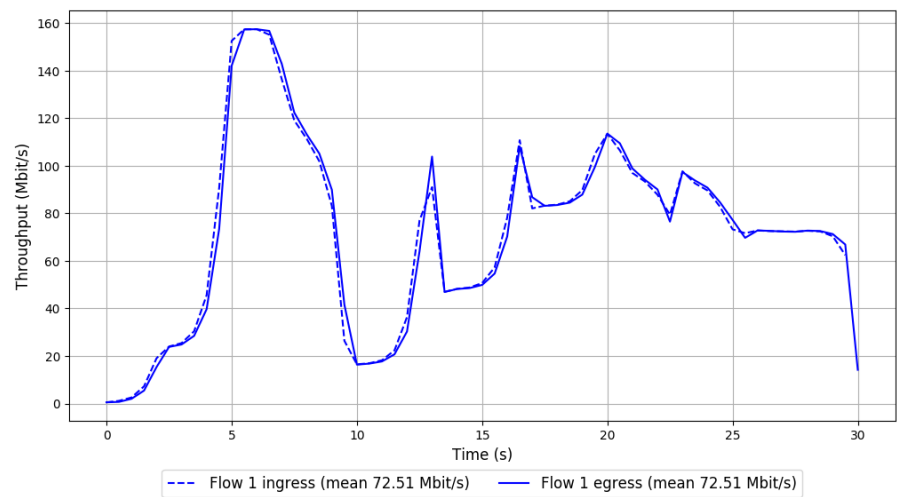
-- Flow 1:

Average throughput: 72.51 Mbit/s

95th percentile per-packet one-way delay: 136.955 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-03-13 16:56:45

End at: 2018-03-13 16:57:15

Below is generated by plot.py at 2018-03-13 19:29:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.10 Mbit/s

95th percentile per-packet one-way delay: 137.022 ms

Loss rate: 0.00%

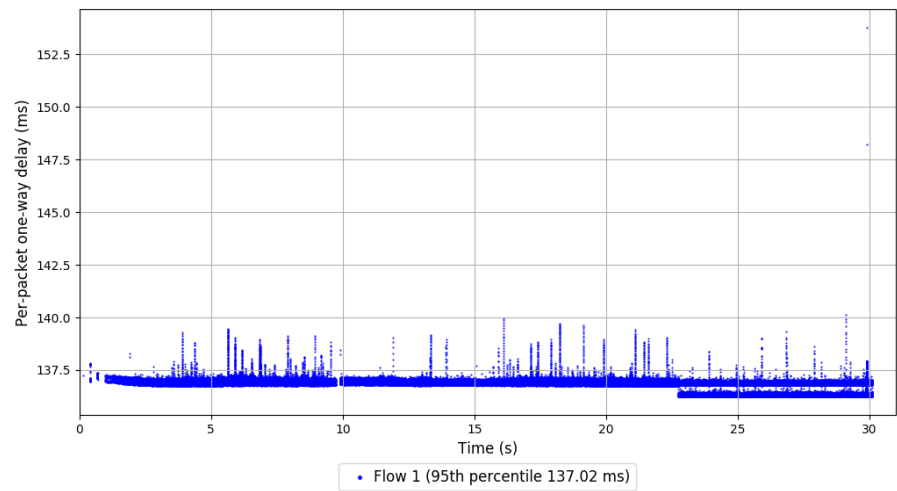
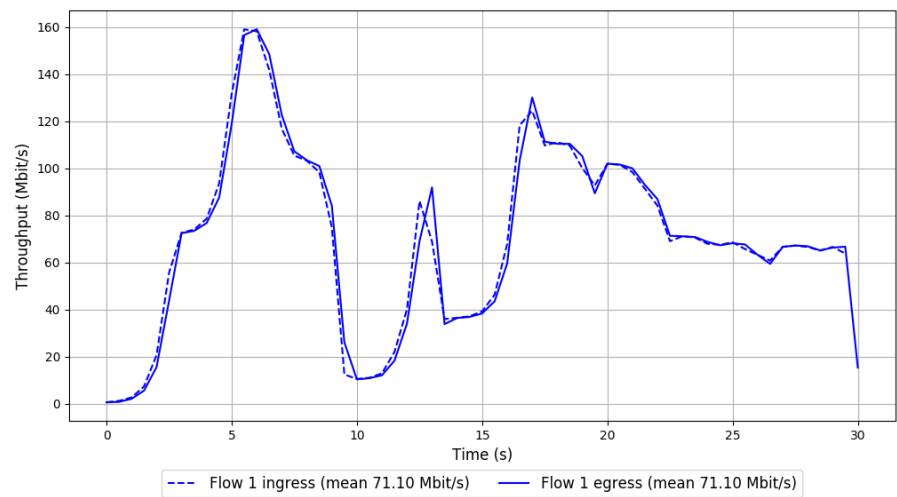
-- Flow 1:

Average throughput: 71.10 Mbit/s

95th percentile per-packet one-way delay: 137.022 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-03-13 17:12:21

End at: 2018-03-13 17:12:51

Below is generated by plot.py at 2018-03-13 19:29:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.11 Mbit/s

95th percentile per-packet one-way delay: 137.051 ms

Loss rate: 0.00%

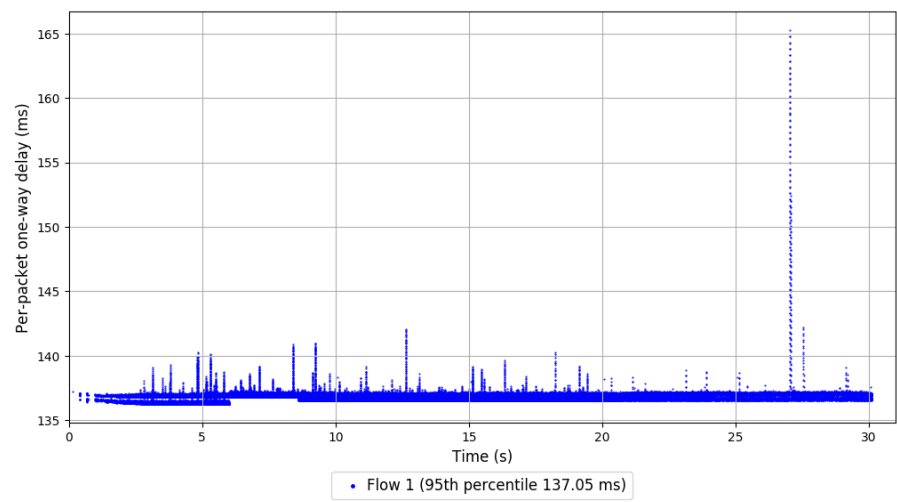
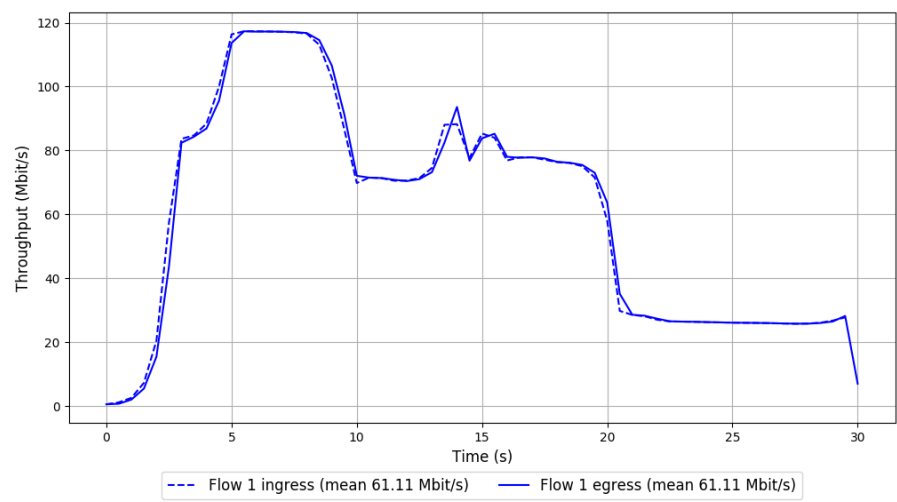
-- Flow 1:

Average throughput: 61.11 Mbit/s

95th percentile per-packet one-way delay: 137.051 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-03-13 17:28:24

End at: 2018-03-13 17:28:54

Below is generated by plot.py at 2018-03-13 19:30:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.74 Mbit/s

95th percentile per-packet one-way delay: 136.230 ms

Loss rate: 0.00%

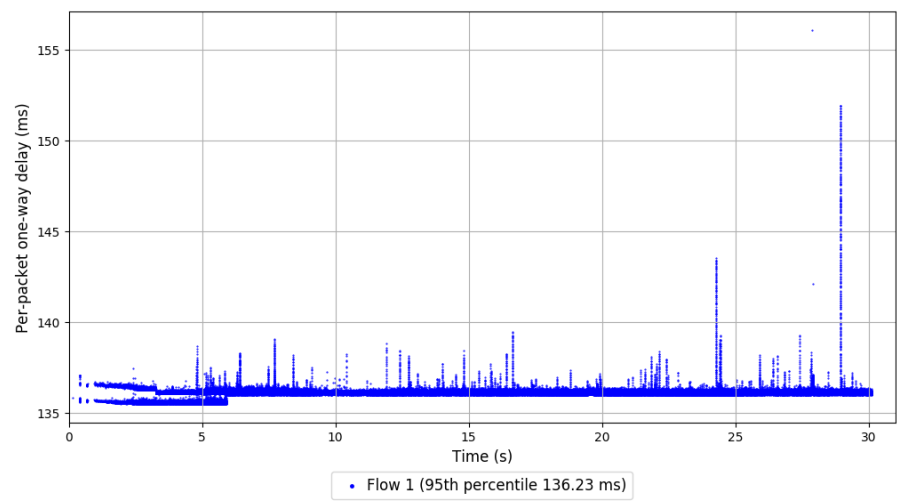
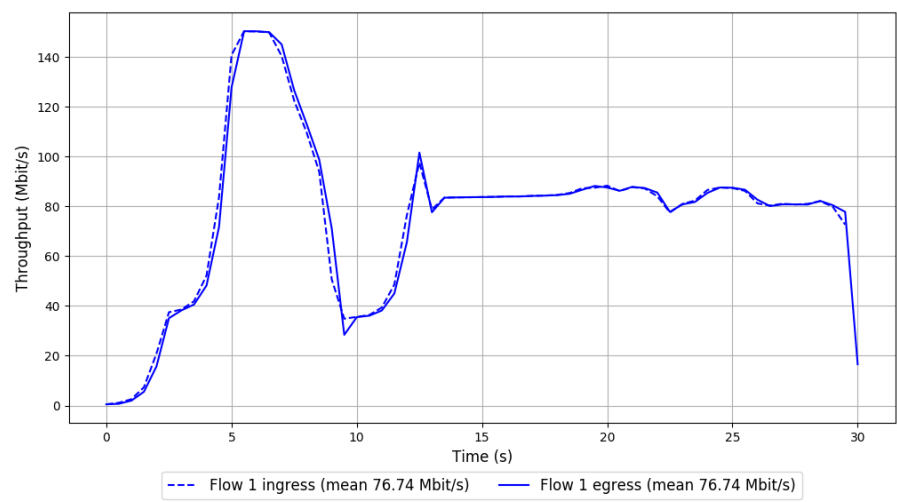
-- Flow 1:

Average throughput: 76.74 Mbit/s

95th percentile per-packet one-way delay: 136.230 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of FillP

Start at: 2018-03-13 14:57:16

End at: 2018-03-13 14:57:46

Below is generated by plot.py at 2018-03-13 19:49:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 863.25 Mbit/s

95th percentile per-packet one-way delay: 210.405 ms

Loss rate: 3.81%

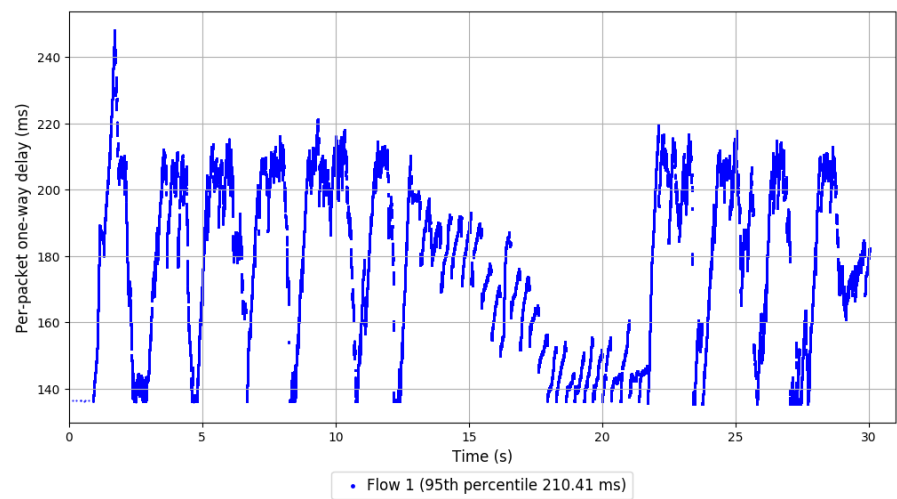
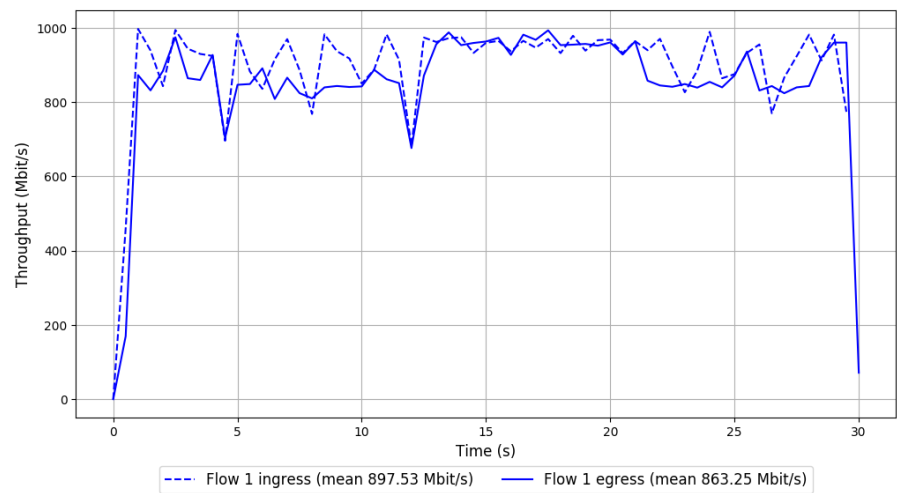
-- Flow 1:

Average throughput: 863.25 Mbit/s

95th percentile per-packet one-way delay: 210.405 ms

Loss rate: 3.81%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-03-13 15:13:17

End at: 2018-03-13 15:13:47

Below is generated by plot.py at 2018-03-13 19:49:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 855.03 Mbit/s

95th percentile per-packet one-way delay: 209.632 ms

Loss rate: 4.17%

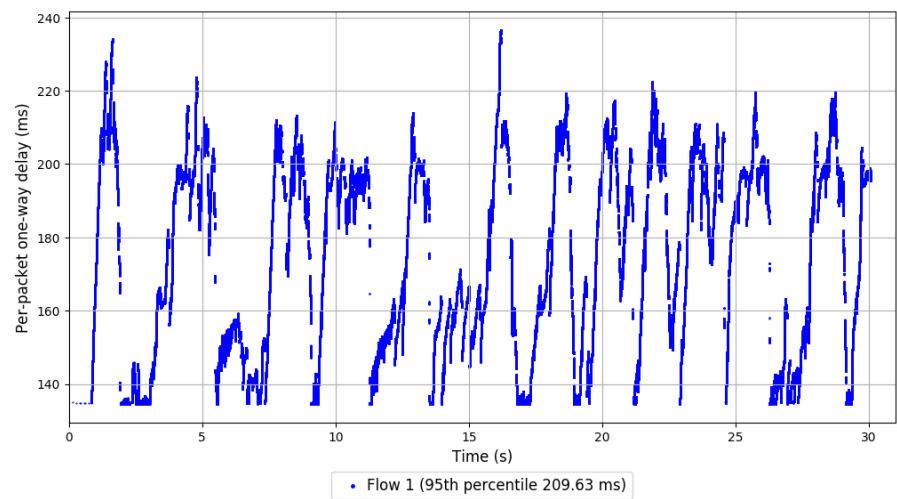
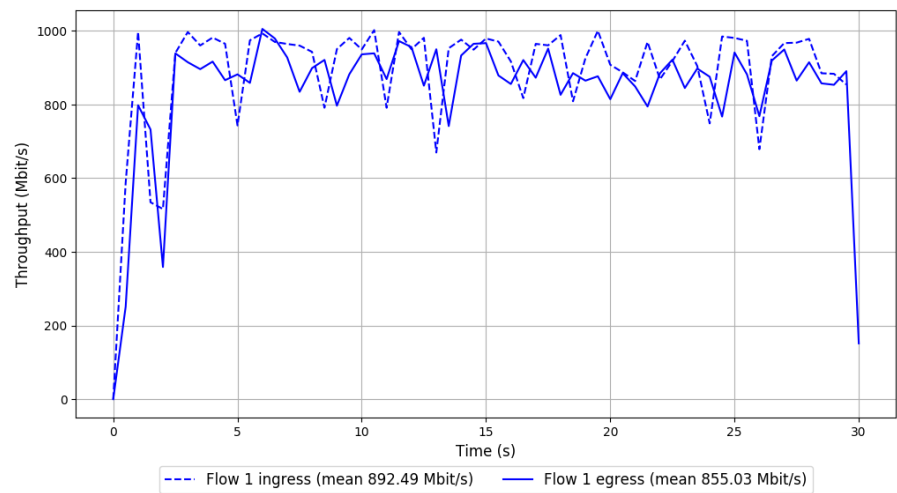
-- Flow 1:

Average throughput: 855.03 Mbit/s

95th percentile per-packet one-way delay: 209.632 ms

Loss rate: 4.17%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-03-13 15:28:59

End at: 2018-03-13 15:29:29

Below is generated by plot.py at 2018-03-13 19:49:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 888.14 Mbit/s

95th percentile per-packet one-way delay: 210.670 ms

Loss rate: 2.58%

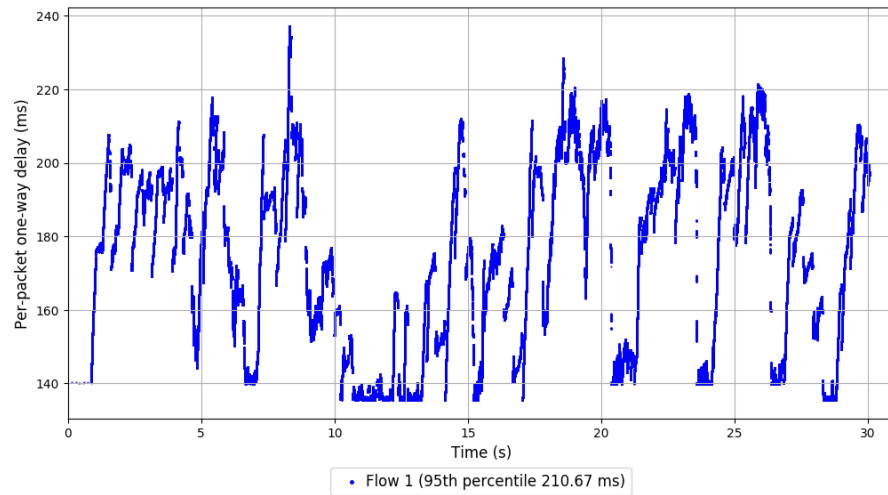
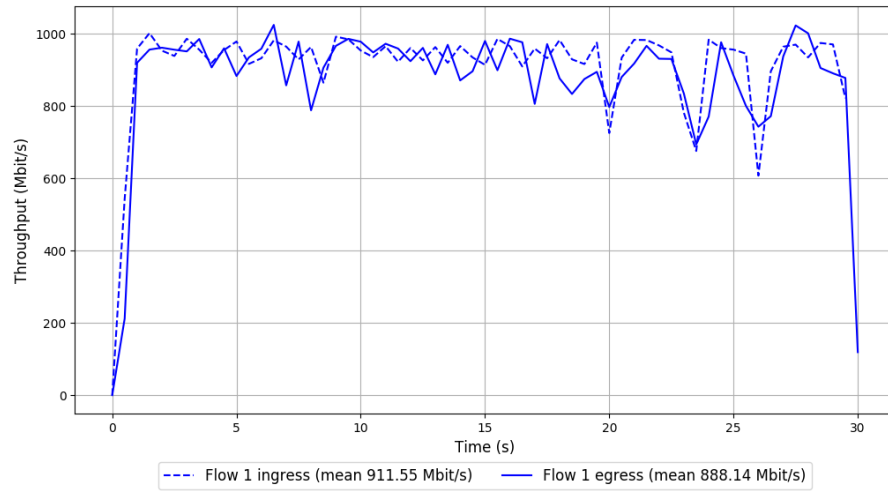
-- Flow 1:

Average throughput: 888.14 Mbit/s

95th percentile per-packet one-way delay: 210.670 ms

Loss rate: 2.58%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-03-13 15:44:39

End at: 2018-03-13 15:45:09

Below is generated by plot.py at 2018-03-13 19:49:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 832.84 Mbit/s

95th percentile per-packet one-way delay: 217.300 ms

Loss rate: 4.41%

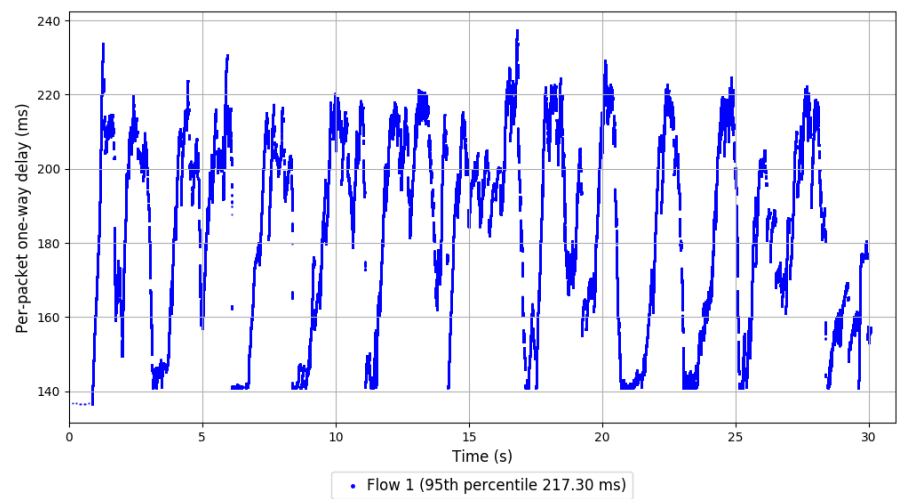
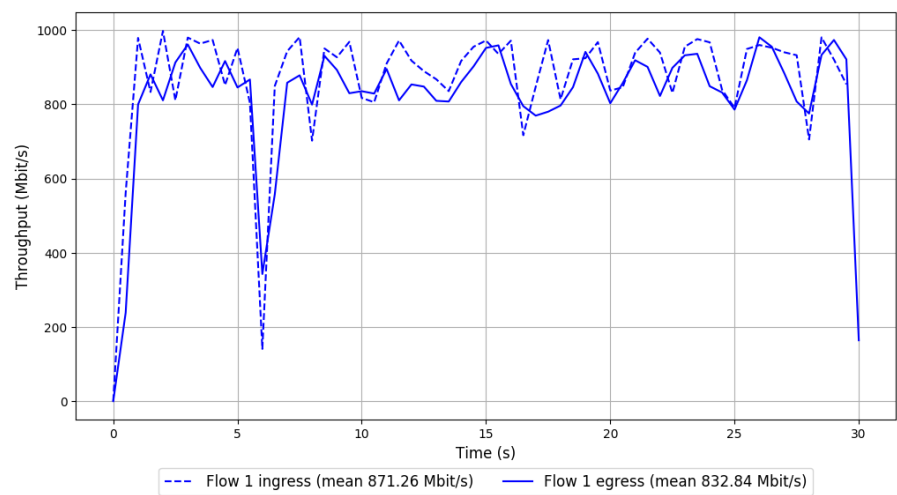
-- Flow 1:

Average throughput: 832.84 Mbit/s

95th percentile per-packet one-way delay: 217.300 ms

Loss rate: 4.41%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-03-13 16:00:18

End at: 2018-03-13 16:00:48

Below is generated by plot.py at 2018-03-13 19:49:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 872.43 Mbit/s

95th percentile per-packet one-way delay: 209.432 ms

Loss rate: 2.62%

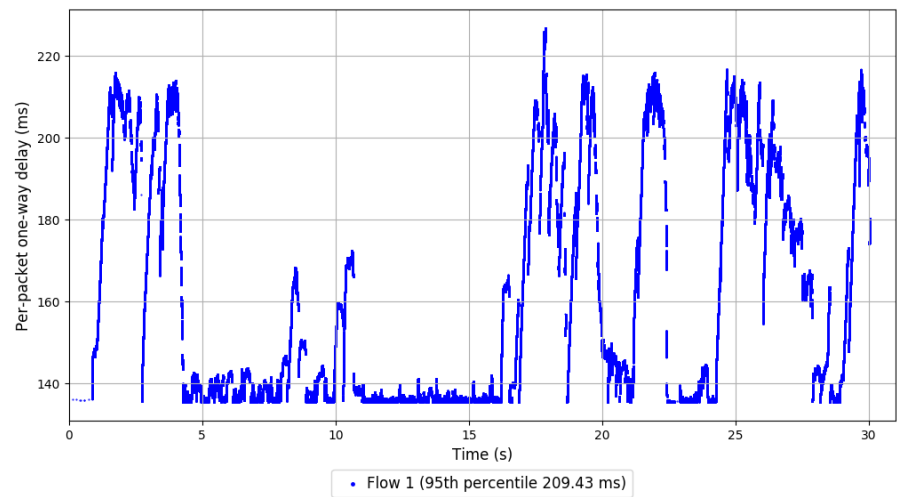
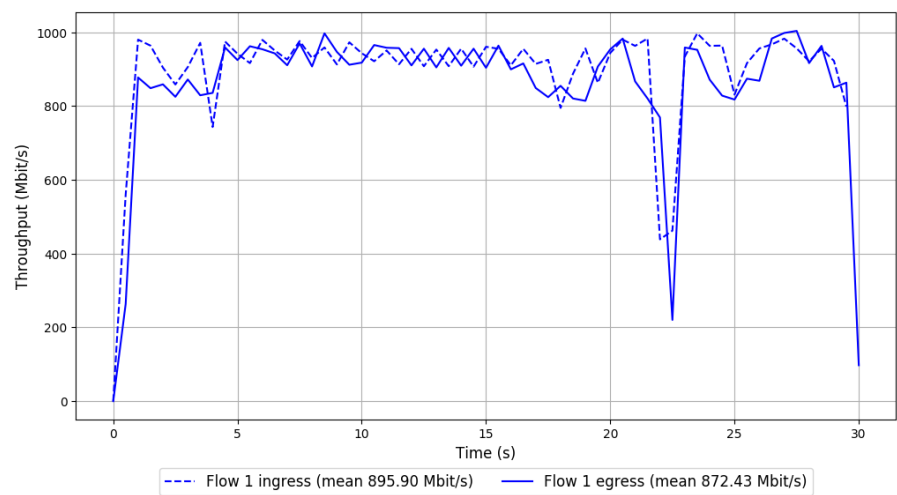
-- Flow 1:

Average throughput: 872.43 Mbit/s

95th percentile per-packet one-way delay: 209.432 ms

Loss rate: 2.62%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-03-13 16:16:02

End at: 2018-03-13 16:16:32

Below is generated by plot.py at 2018-03-13 19:49:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 851.07 Mbit/s

95th percentile per-packet one-way delay: 211.533 ms

Loss rate: 3.76%

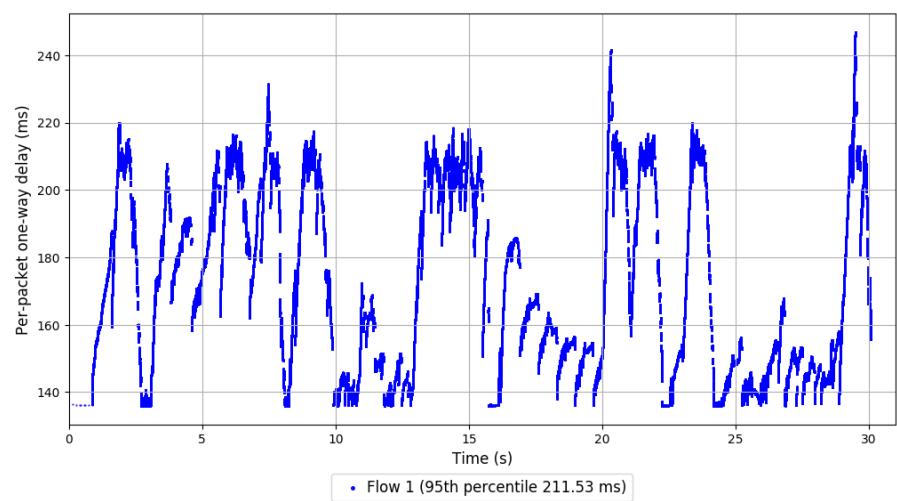
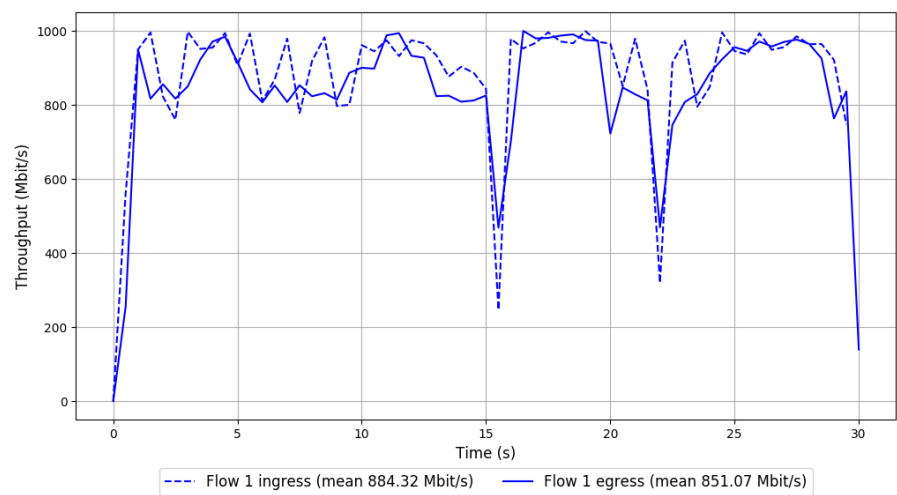
-- Flow 1:

Average throughput: 851.07 Mbit/s

95th percentile per-packet one-way delay: 211.533 ms

Loss rate: 3.76%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-03-13 16:31:44

End at: 2018-03-13 16:32:15

Below is generated by plot.py at 2018-03-13 19:50:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 876.48 Mbit/s

95th percentile per-packet one-way delay: 207.853 ms

Loss rate: 2.86%

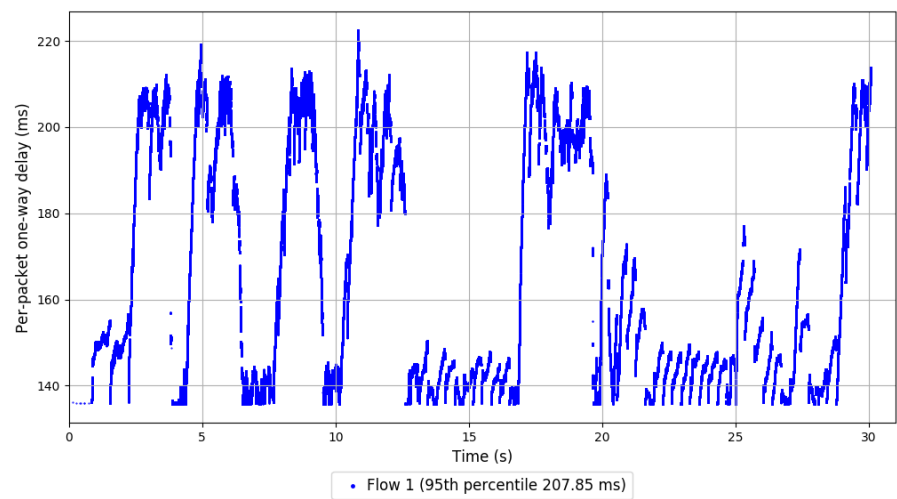
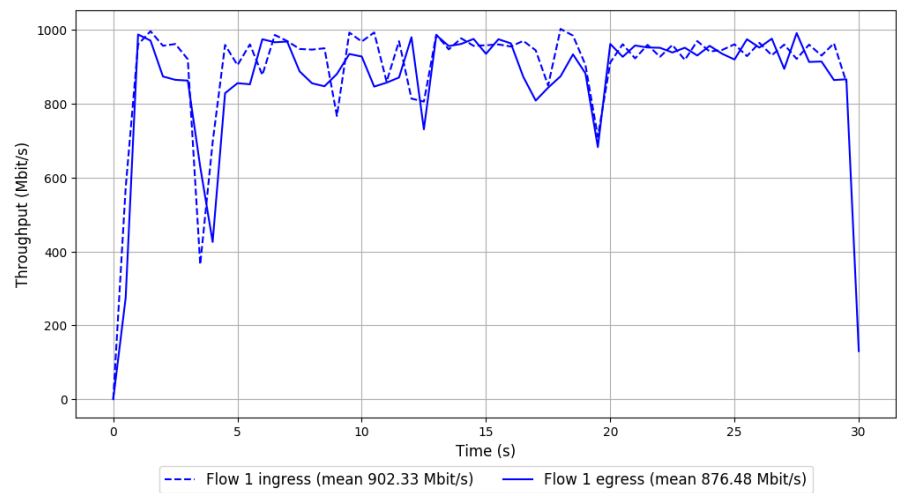
-- Flow 1:

Average throughput: 876.48 Mbit/s

95th percentile per-packet one-way delay: 207.853 ms

Loss rate: 2.86%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-03-13 16:47:29

End at: 2018-03-13 16:47:59

Below is generated by plot.py at 2018-03-13 19:52:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 899.33 Mbit/s

95th percentile per-packet one-way delay: 206.714 ms

Loss rate: 2.04%

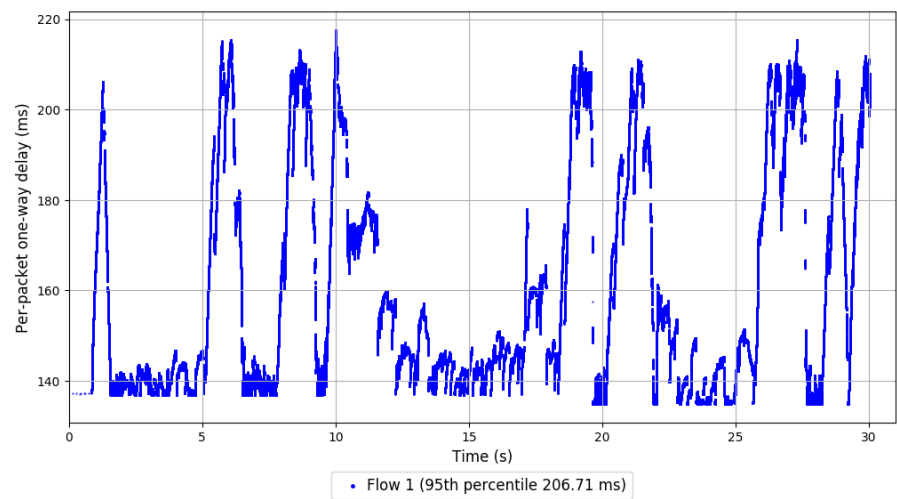
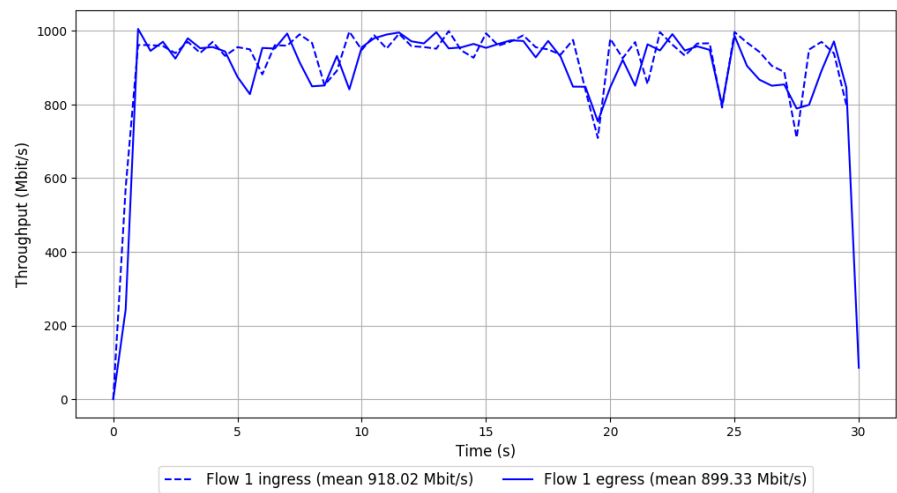
-- Flow 1:

Average throughput: 899.33 Mbit/s

95th percentile per-packet one-way delay: 206.714 ms

Loss rate: 2.04%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-03-13 17:03:27

End at: 2018-03-13 17:03:57

Below is generated by plot.py at 2018-03-13 20:10:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 890.87 Mbit/s

95th percentile per-packet one-way delay: 207.243 ms

Loss rate: 2.92%

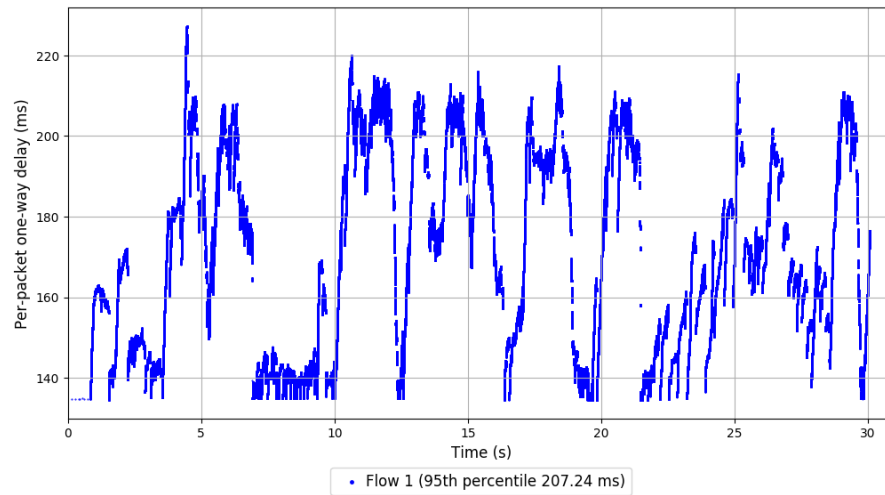
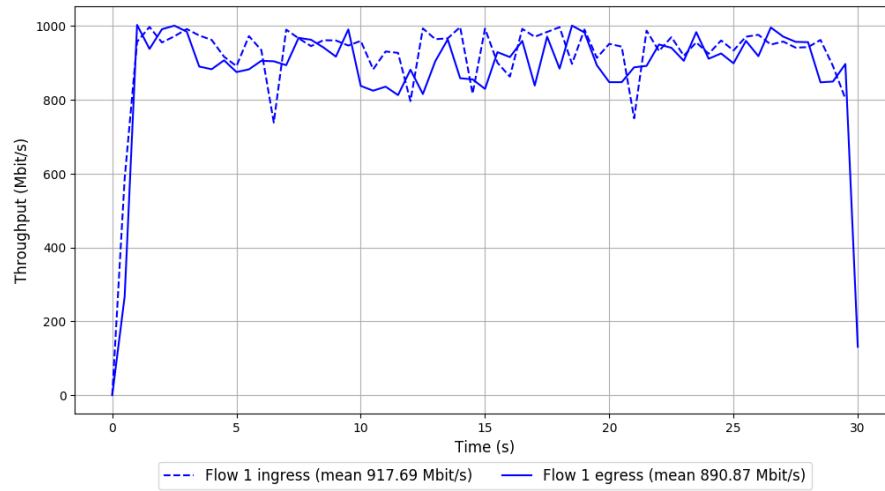
-- Flow 1:

Average throughput: 890.87 Mbit/s

95th percentile per-packet one-way delay: 207.243 ms

Loss rate: 2.92%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-03-13 17:19:11

End at: 2018-03-13 17:19:41

Below is generated by plot.py at 2018-03-13 20:10:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 835.09 Mbit/s

95th percentile per-packet one-way delay: 214.481 ms

Loss rate: 4.92%

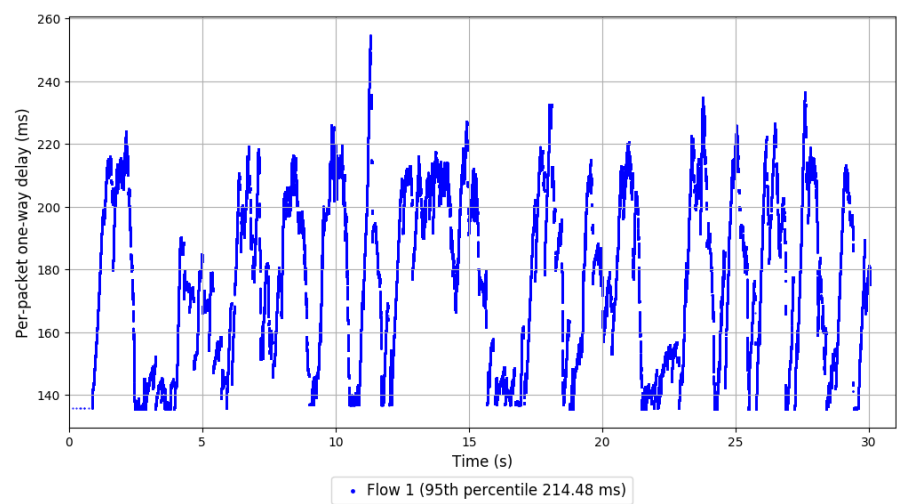
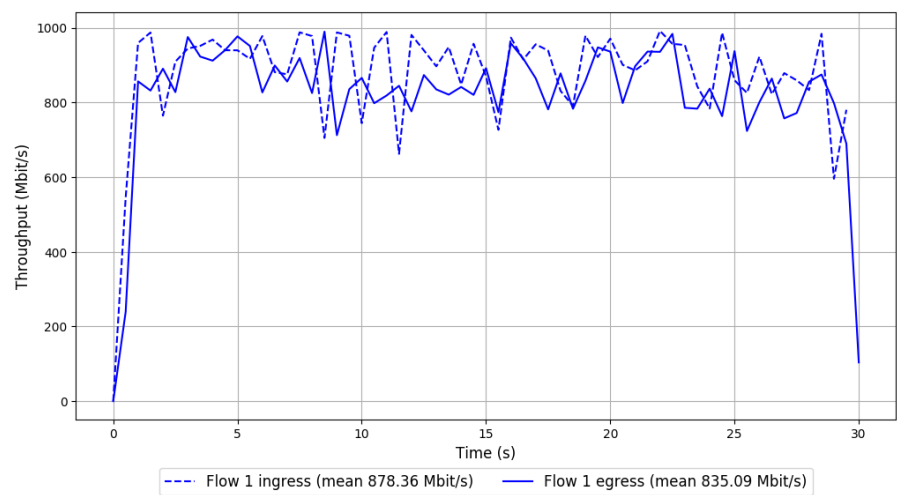
-- Flow 1:

Average throughput: 835.09 Mbit/s

95th percentile per-packet one-way delay: 214.481 ms

Loss rate: 4.92%

Run 10: Report of FillP — Data Link

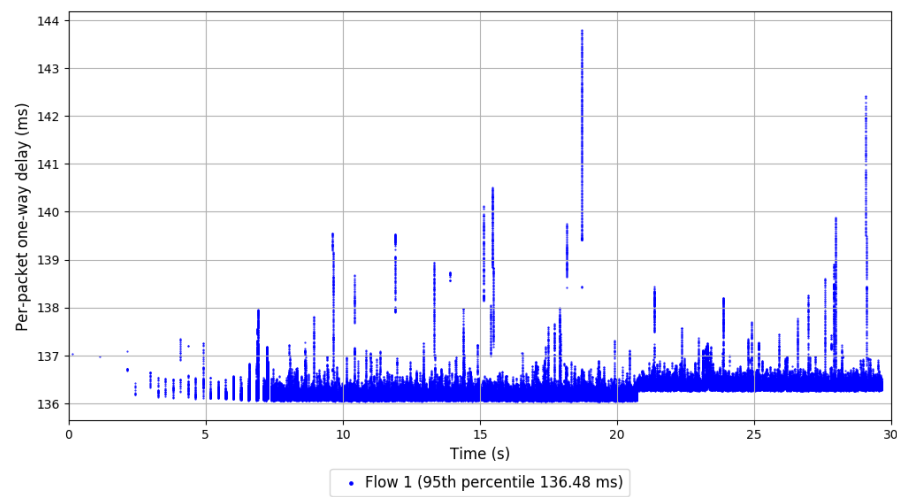
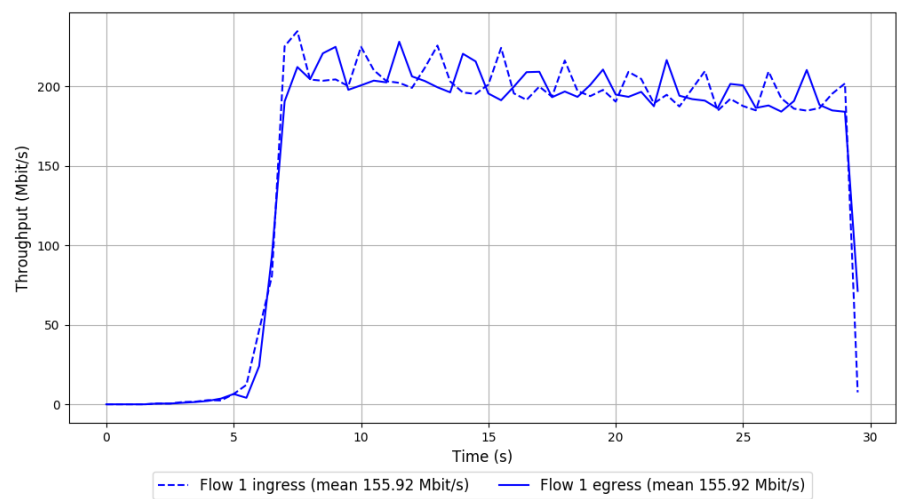


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-03-13 14:52:46
End at: 2018-03-13 14:53:16

# Below is generated by plot.py at 2018-03-13 20:10:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 155.92 Mbit/s
95th percentile per-packet one-way delay: 136.478 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 155.92 Mbit/s
95th percentile per-packet one-way delay: 136.478 ms
Loss rate: 0.00%
```

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



Run 2: Statistics of Indigo-1-32

Start at: 2018-03-13 15:08:41

End at: 2018-03-13 15:09:11

Below is generated by plot.py at 2018-03-13 20:10:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 170.64 Mbit/s

95th percentile per-packet one-way delay: 136.488 ms

Loss rate: 0.00%

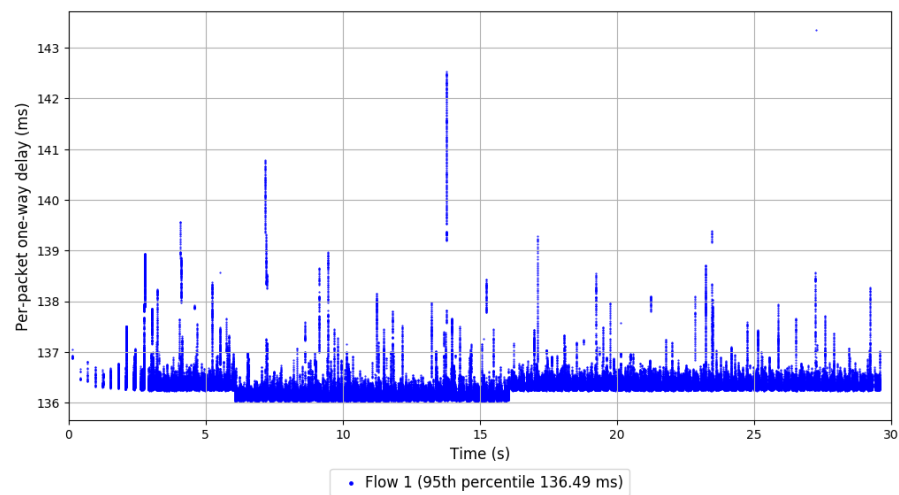
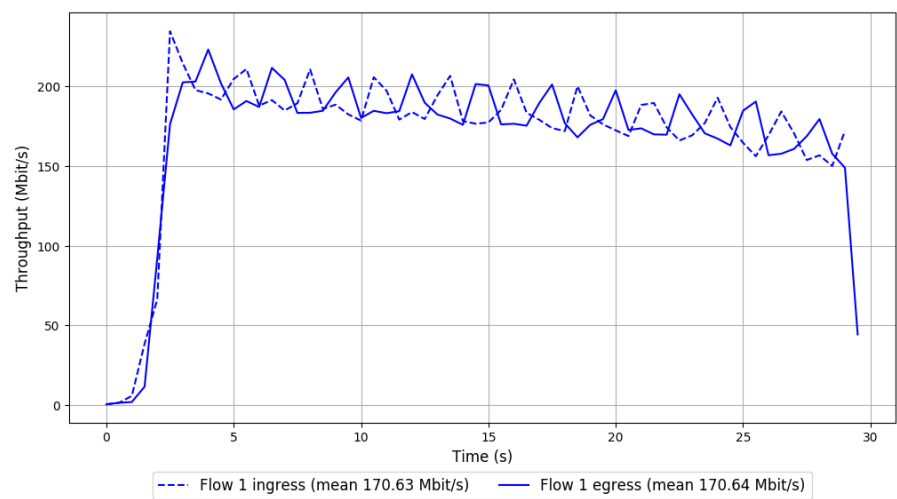
-- Flow 1:

Average throughput: 170.64 Mbit/s

95th percentile per-packet one-way delay: 136.488 ms

Loss rate: 0.00%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-03-13 15:24:20

End at: 2018-03-13 15:24:50

Below is generated by plot.py at 2018-03-13 20:10:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.27 Mbit/s

95th percentile per-packet one-way delay: 136.531 ms

Loss rate: 0.00%

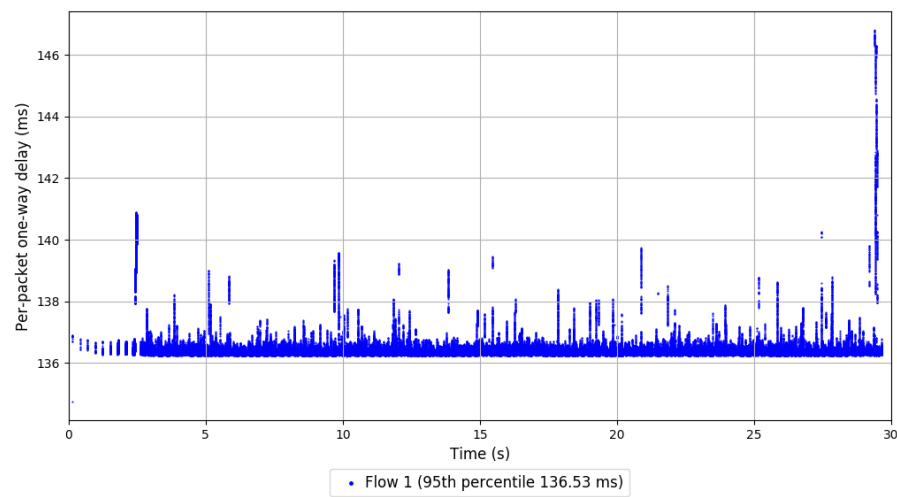
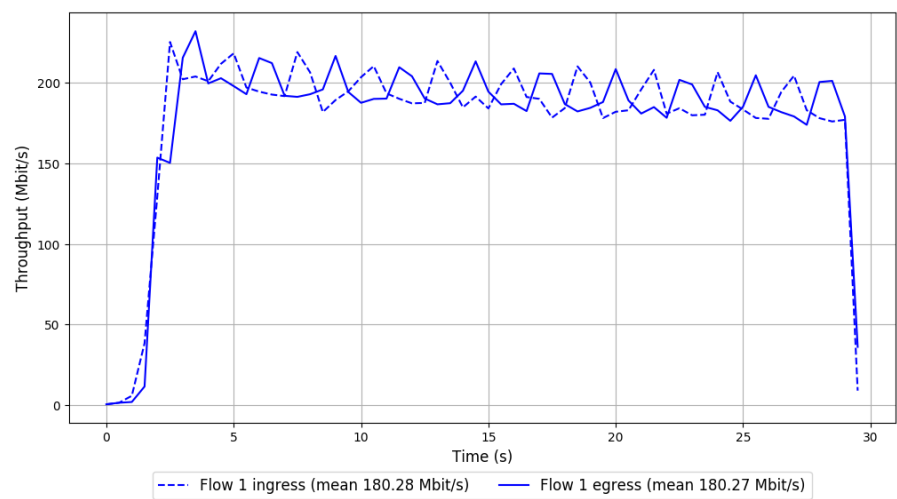
-- Flow 1:

Average throughput: 180.27 Mbit/s

95th percentile per-packet one-way delay: 136.531 ms

Loss rate: 0.00%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-03-13 15:40:12

End at: 2018-03-13 15:40:42

Below is generated by plot.py at 2018-03-13 20:10:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 169.22 Mbit/s

95th percentile per-packet one-way delay: 136.489 ms

Loss rate: 0.00%

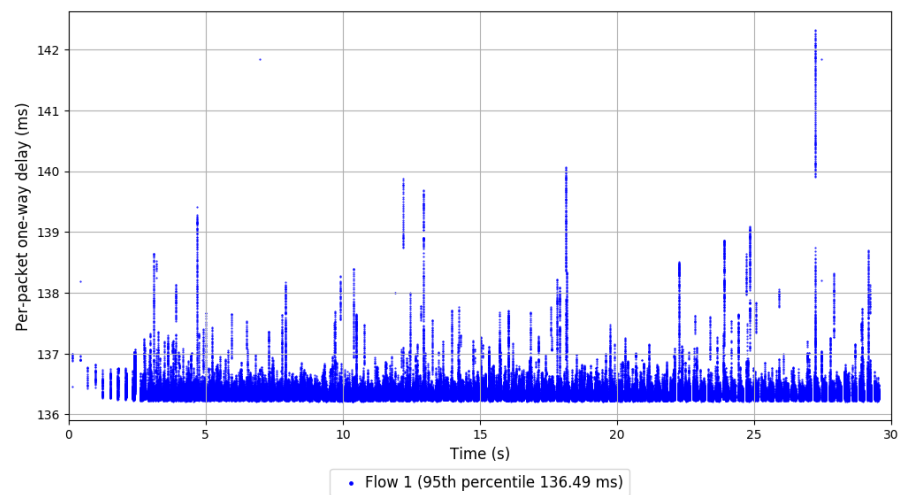
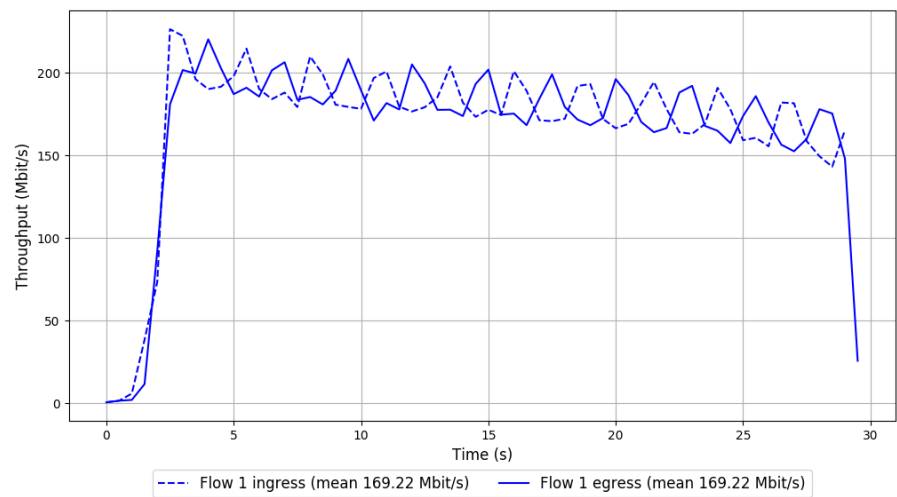
-- Flow 1:

Average throughput: 169.22 Mbit/s

95th percentile per-packet one-way delay: 136.489 ms

Loss rate: 0.00%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-03-13 15:55:43

End at: 2018-03-13 15:56:14

Below is generated by plot.py at 2018-03-13 20:10:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.86 Mbit/s

95th percentile per-packet one-way delay: 136.423 ms

Loss rate: 0.00%

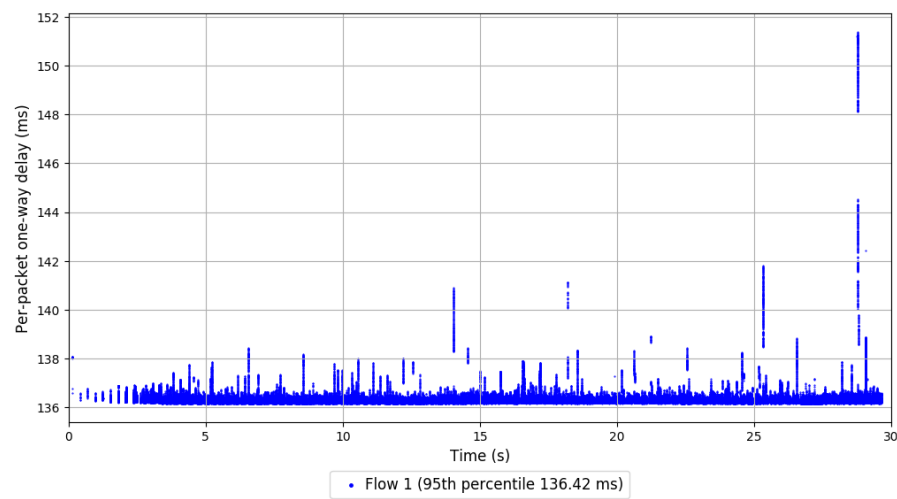
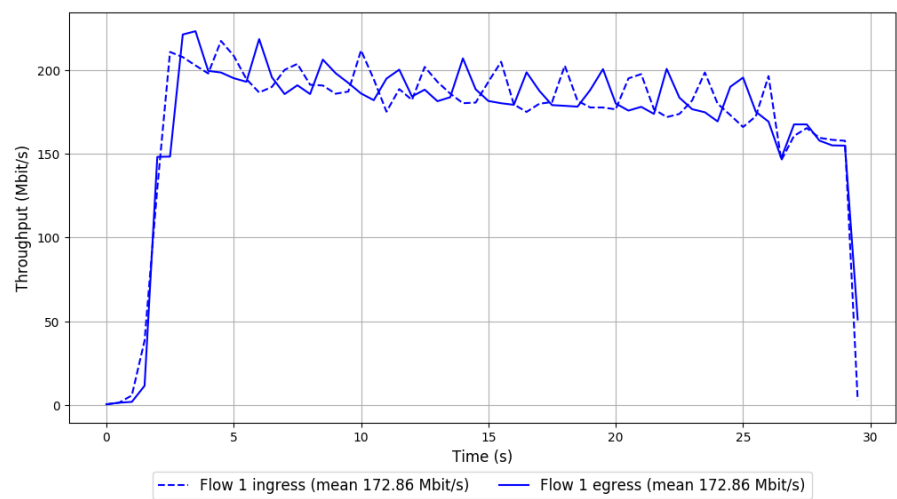
-- Flow 1:

Average throughput: 172.86 Mbit/s

95th percentile per-packet one-way delay: 136.423 ms

Loss rate: 0.00%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-03-13 16:11:35

End at: 2018-03-13 16:12:05

Below is generated by plot.py at 2018-03-13 20:10:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 173.83 Mbit/s

95th percentile per-packet one-way delay: 136.442 ms

Loss rate: 0.00%

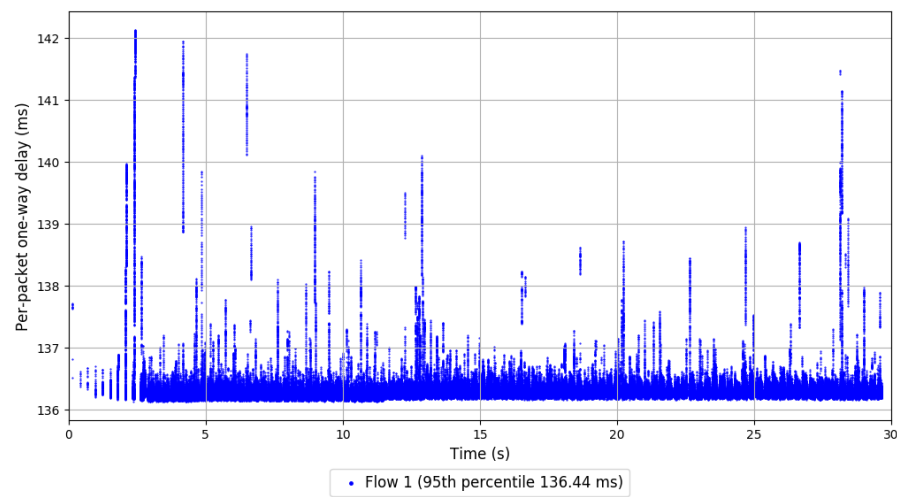
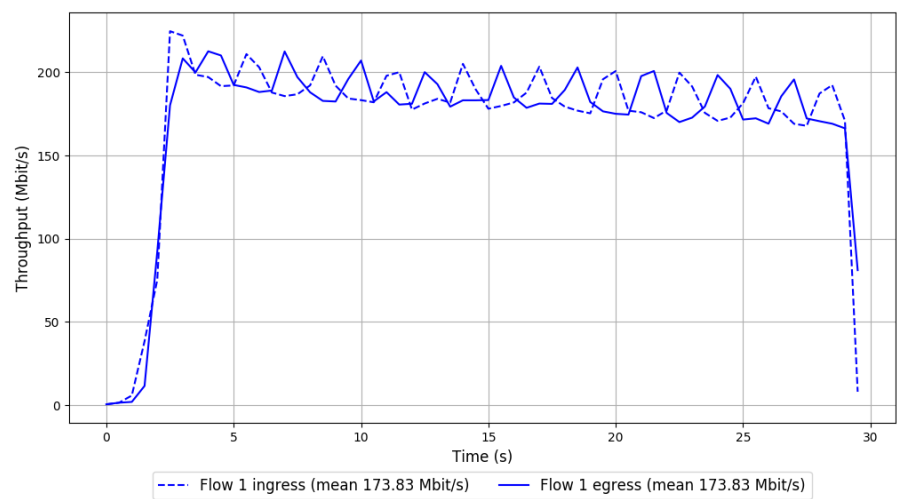
-- Flow 1:

Average throughput: 173.83 Mbit/s

95th percentile per-packet one-way delay: 136.442 ms

Loss rate: 0.00%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-03-13 16:27:09

End at: 2018-03-13 16:27:39

Below is generated by plot.py at 2018-03-13 20:10:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 174.25 Mbit/s

95th percentile per-packet one-way delay: 137.057 ms

Loss rate: 0.00%

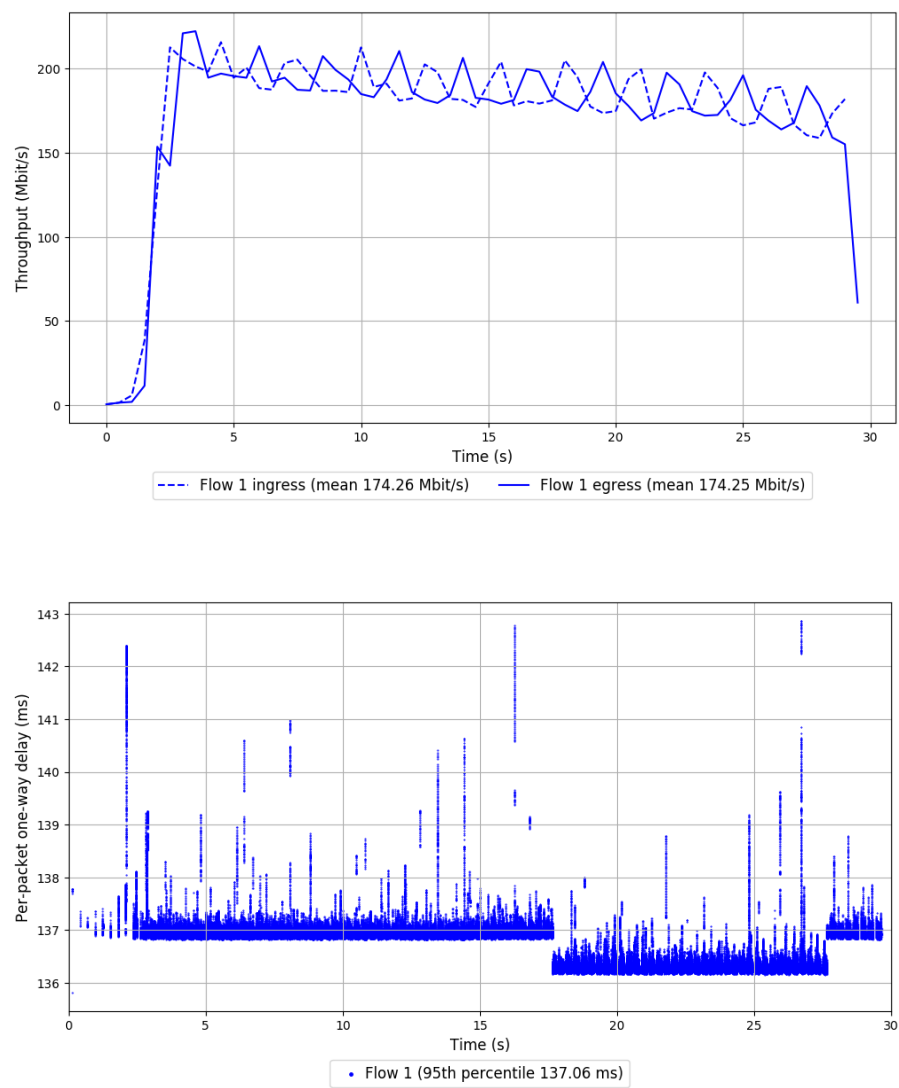
-- Flow 1:

Average throughput: 174.25 Mbit/s

95th percentile per-packet one-way delay: 137.057 ms

Loss rate: 0.00%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-03-13 16:42:58

End at: 2018-03-13 16:43:28

Below is generated by plot.py at 2018-03-13 20:10:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 170.38 Mbit/s

95th percentile per-packet one-way delay: 136.530 ms

Loss rate: 0.01%

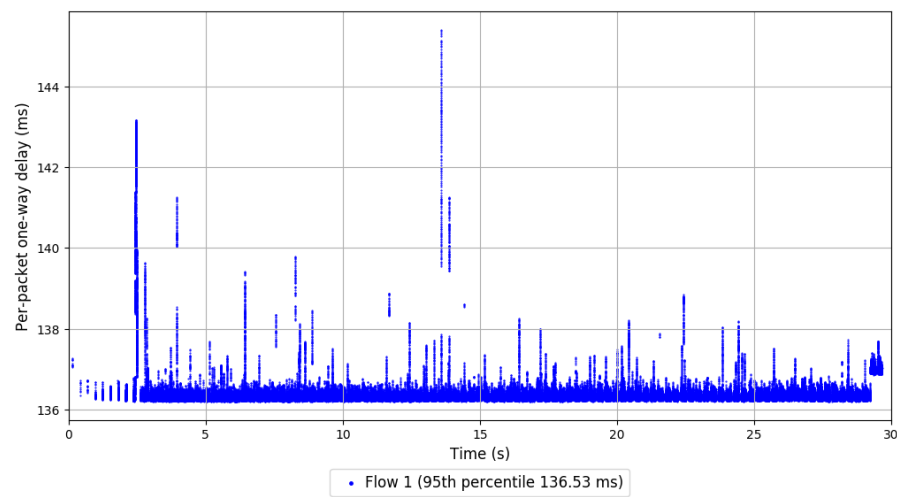
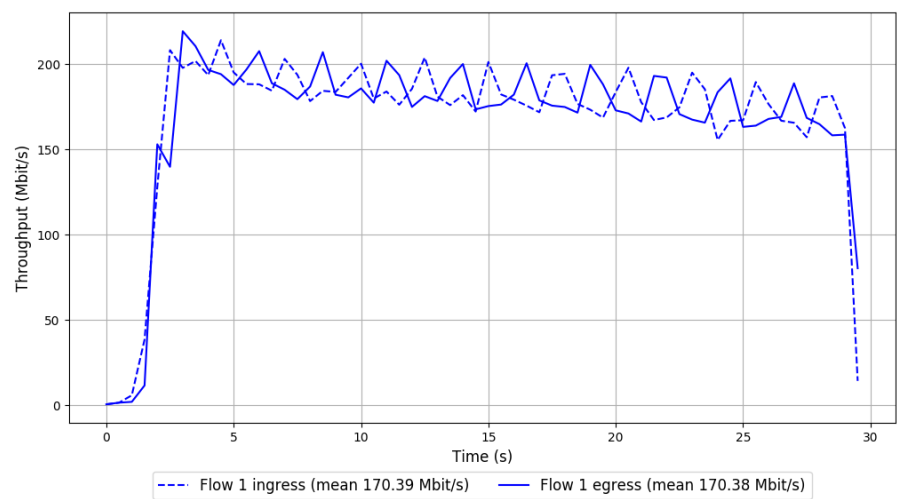
-- Flow 1:

Average throughput: 170.38 Mbit/s

95th percentile per-packet one-way delay: 136.530 ms

Loss rate: 0.01%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-03-13 16:59:00

End at: 2018-03-13 16:59:30

Below is generated by plot.py at 2018-03-13 20:10:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 175.74 Mbit/s

95th percentile per-packet one-way delay: 137.146 ms

Loss rate: 0.00%

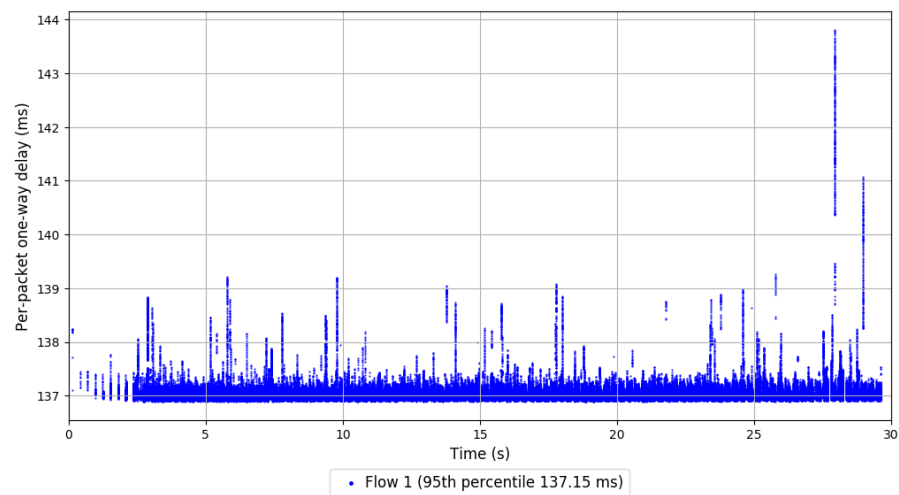
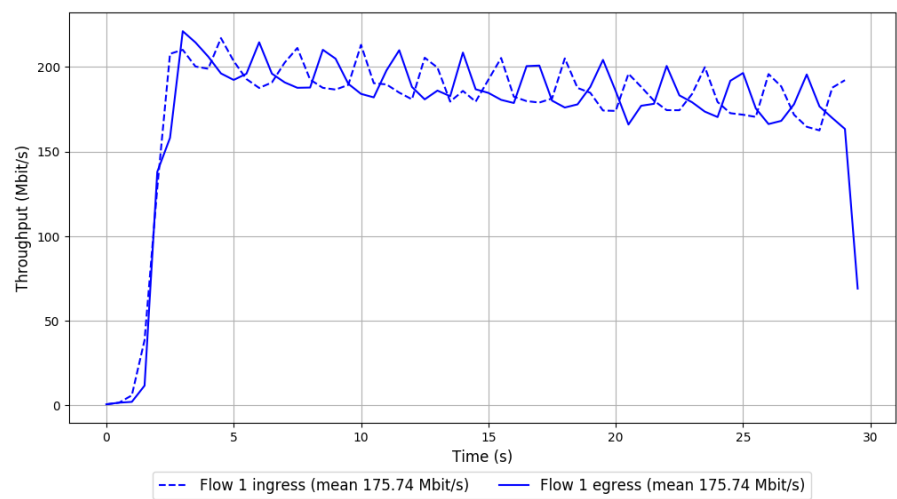
-- Flow 1:

Average throughput: 175.74 Mbit/s

95th percentile per-packet one-way delay: 137.146 ms

Loss rate: 0.00%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-03-13 17:14:36

End at: 2018-03-13 17:15:06

Below is generated by plot.py at 2018-03-13 20:10:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 165.15 Mbit/s

95th percentile per-packet one-way delay: 137.098 ms

Loss rate: 0.00%

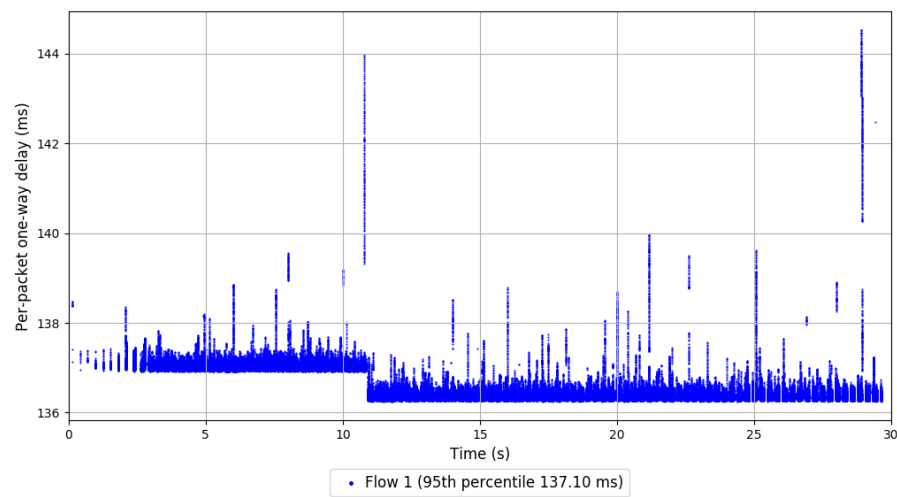
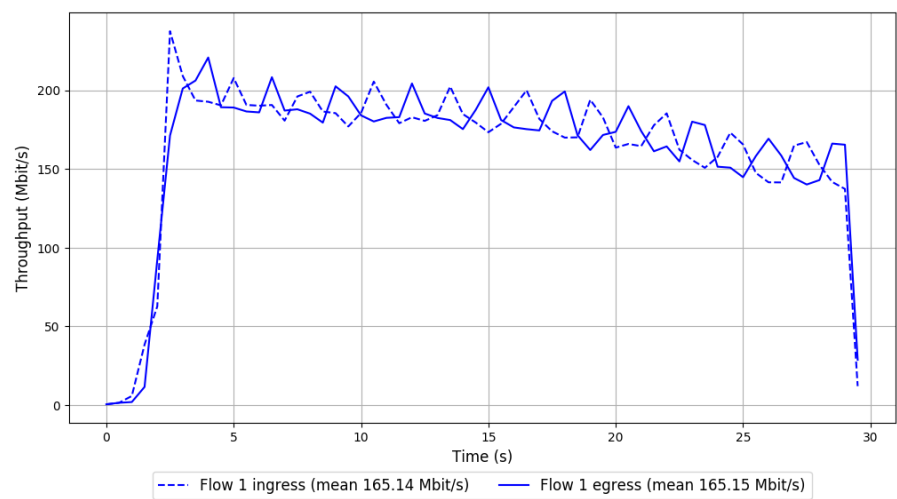
-- Flow 1:

Average throughput: 165.15 Mbit/s

95th percentile per-packet one-way delay: 137.098 ms

Loss rate: 0.00%

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



Run 1: Statistics of Vivace-latency

Start at: 2018-03-13 14:59:15

End at: 2018-03-13 14:59:45

Below is generated by plot.py at 2018-03-13 20:10:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 295.18 Mbit/s

95th percentile per-packet one-way delay: 136.973 ms

Loss rate: 0.00%

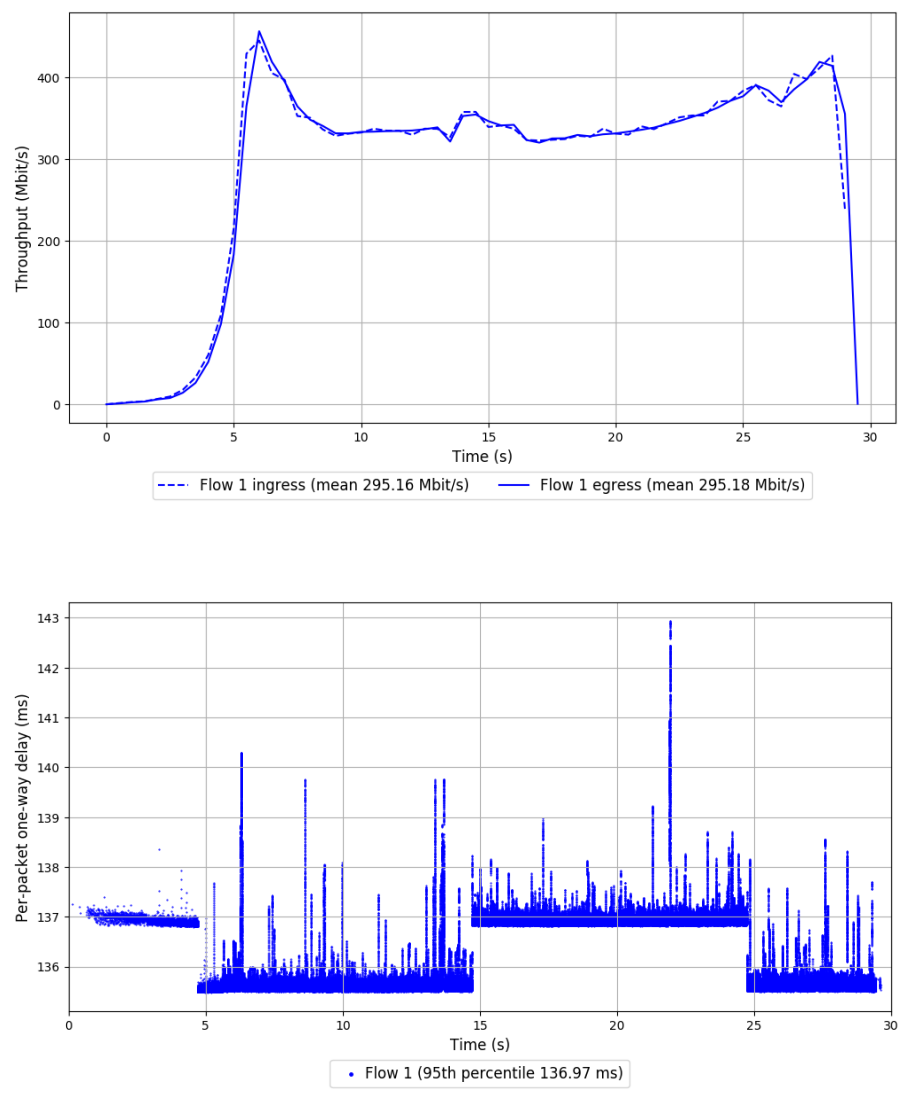
-- Flow 1:

Average throughput: 295.18 Mbit/s

95th percentile per-packet one-way delay: 136.973 ms

Loss rate: 0.00%

Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-03-13 15:15:18

End at: 2018-03-13 15:15:48

Below is generated by plot.py at 2018-03-13 20:10:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 260.63 Mbit/s

95th percentile per-packet one-way delay: 135.663 ms

Loss rate: 0.00%

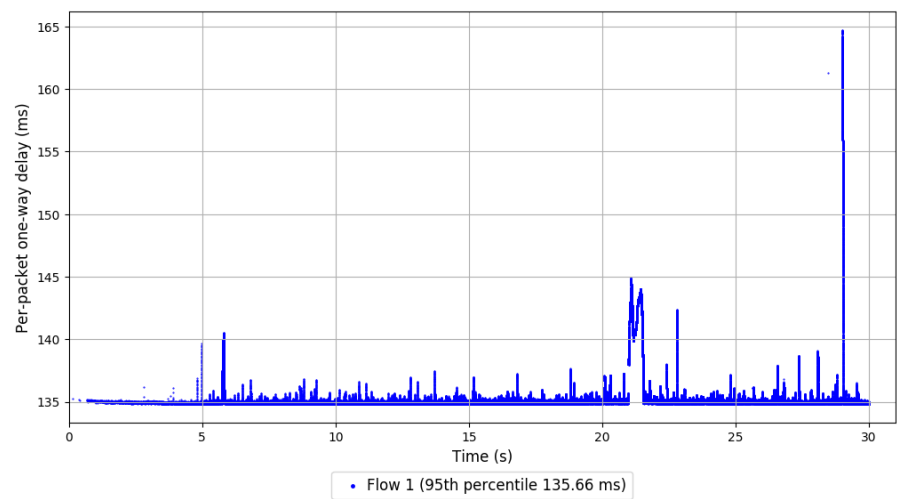
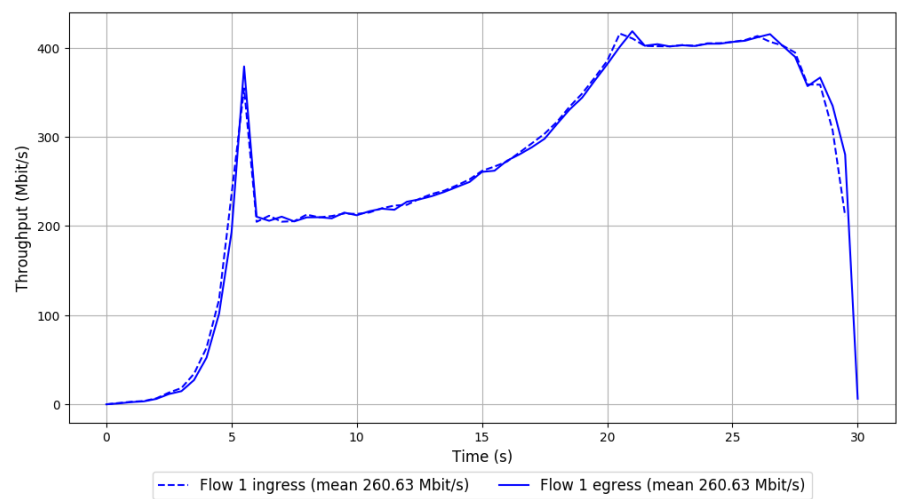
-- Flow 1:

Average throughput: 260.63 Mbit/s

95th percentile per-packet one-way delay: 135.663 ms

Loss rate: 0.00%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-03-13 15:30:59

End at: 2018-03-13 15:31:29

Below is generated by plot.py at 2018-03-13 20:10:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 256.27 Mbit/s

95th percentile per-packet one-way delay: 141.225 ms

Loss rate: 0.02%

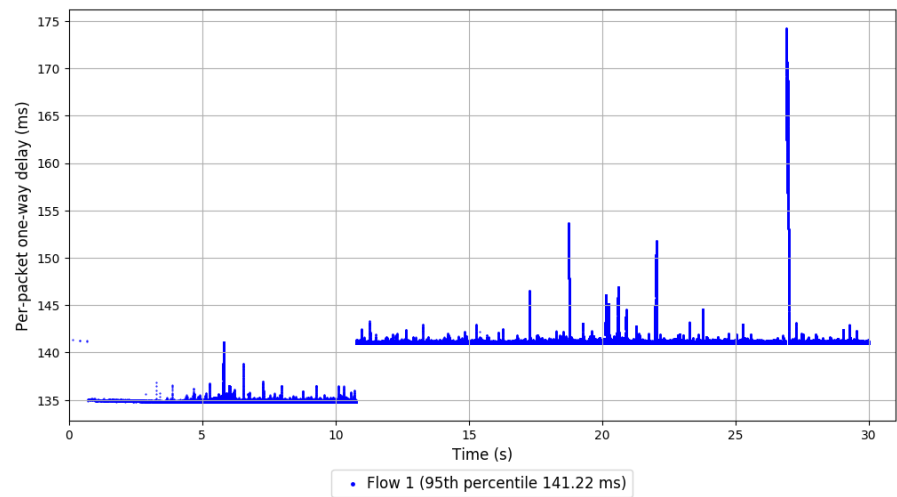
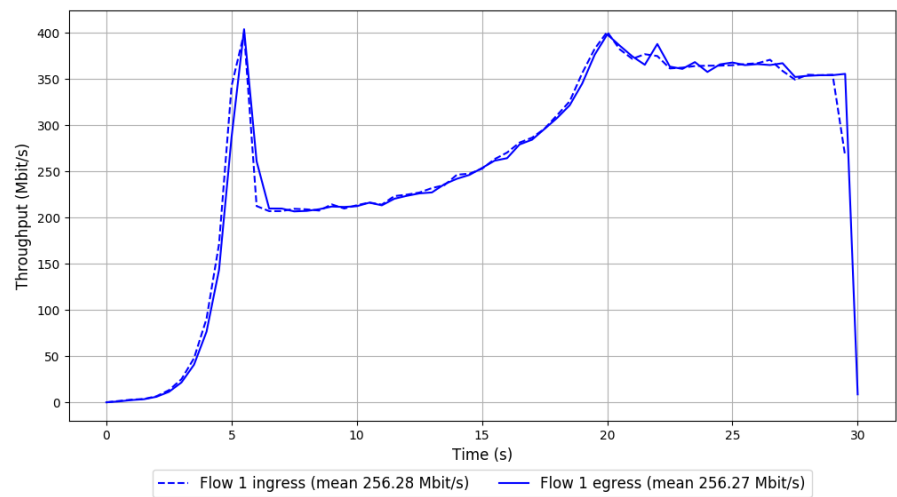
-- Flow 1:

Average throughput: 256.27 Mbit/s

95th percentile per-packet one-way delay: 141.225 ms

Loss rate: 0.02%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-03-13 15:46:37

End at: 2018-03-13 15:47:07

Below is generated by plot.py at 2018-03-13 20:10:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 253.67 Mbit/s

95th percentile per-packet one-way delay: 135.561 ms

Loss rate: 0.00%

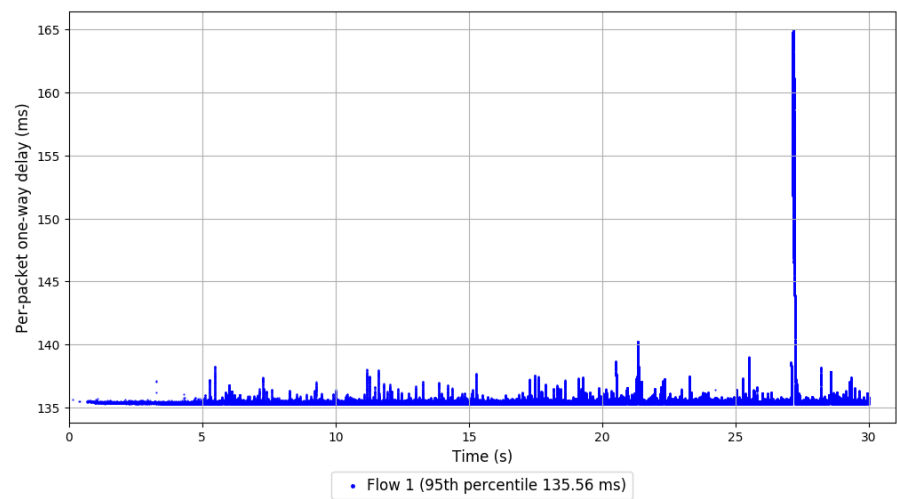
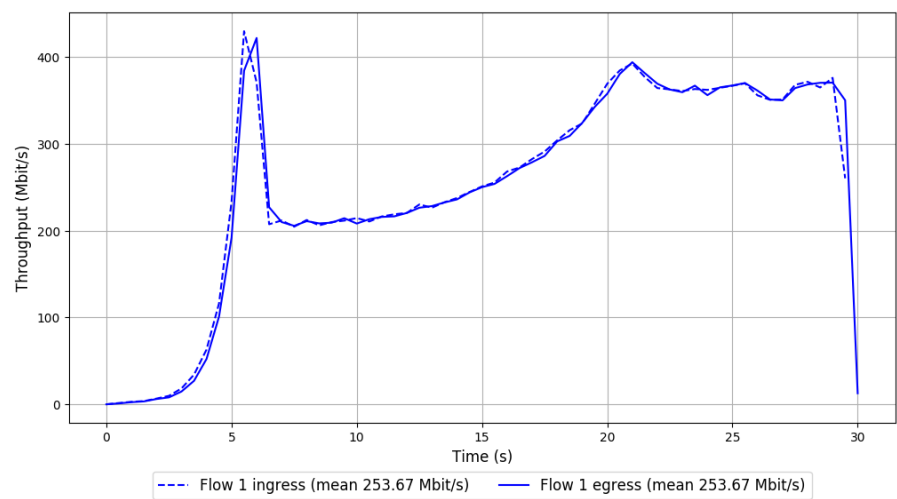
-- Flow 1:

Average throughput: 253.67 Mbit/s

95th percentile per-packet one-way delay: 135.561 ms

Loss rate: 0.00%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-03-13 16:02:18

End at: 2018-03-13 16:02:48

Below is generated by plot.py at 2018-03-13 20:10:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 135.90 Mbit/s

95th percentile per-packet one-way delay: 135.612 ms

Loss rate: 0.00%

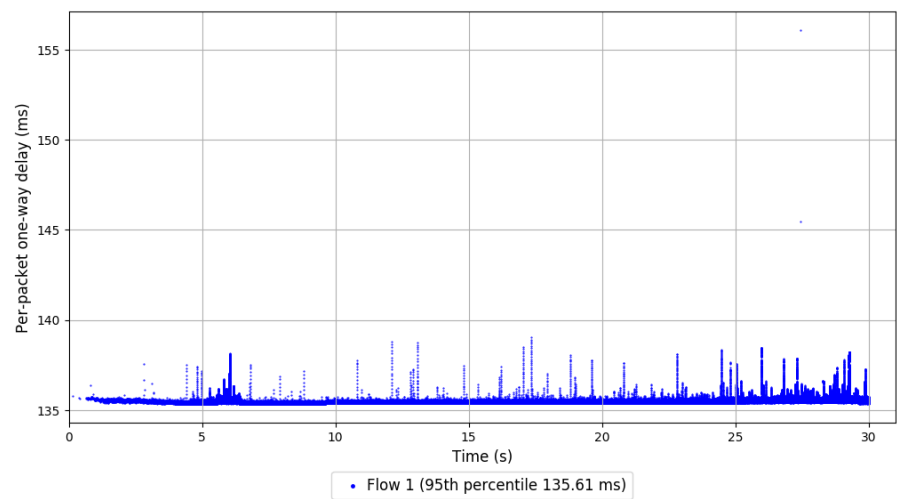
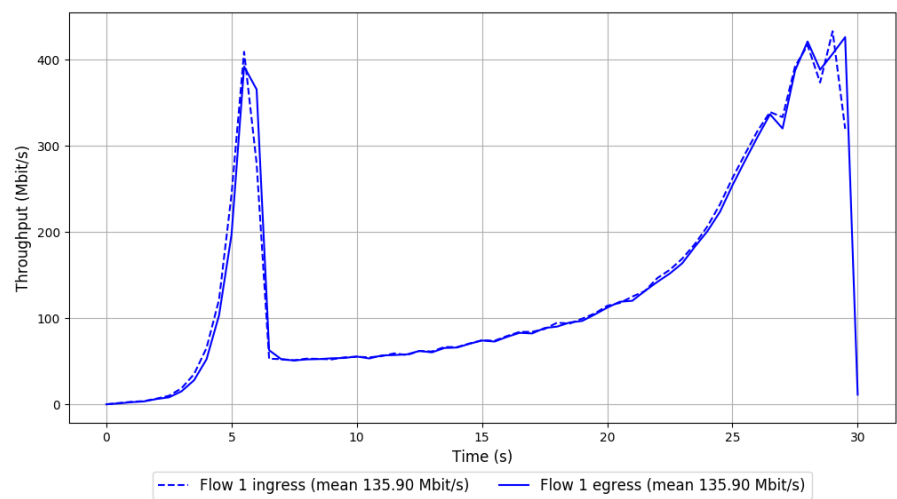
-- Flow 1:

Average throughput: 135.90 Mbit/s

95th percentile per-packet one-way delay: 135.612 ms

Loss rate: 0.00%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-03-13 16:18:02

End at: 2018-03-13 16:18:32

Below is generated by plot.py at 2018-03-13 20:10:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 252.84 Mbit/s

95th percentile per-packet one-way delay: 136.409 ms

Loss rate: 0.00%

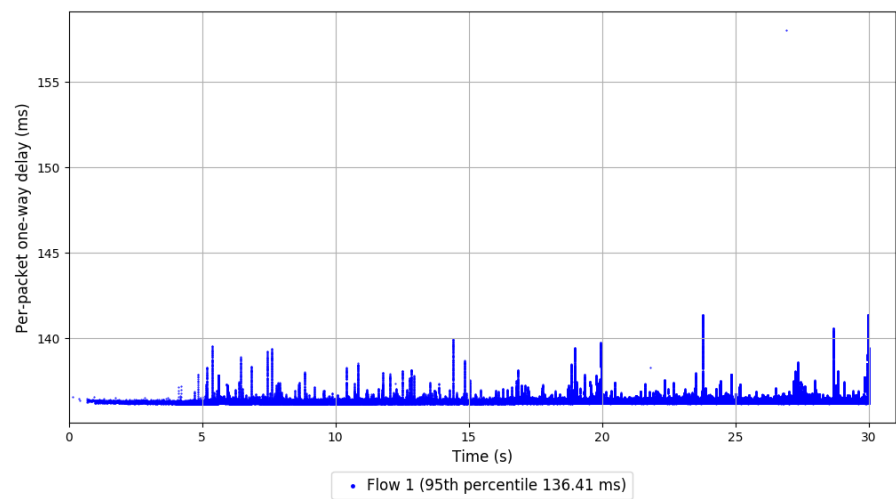
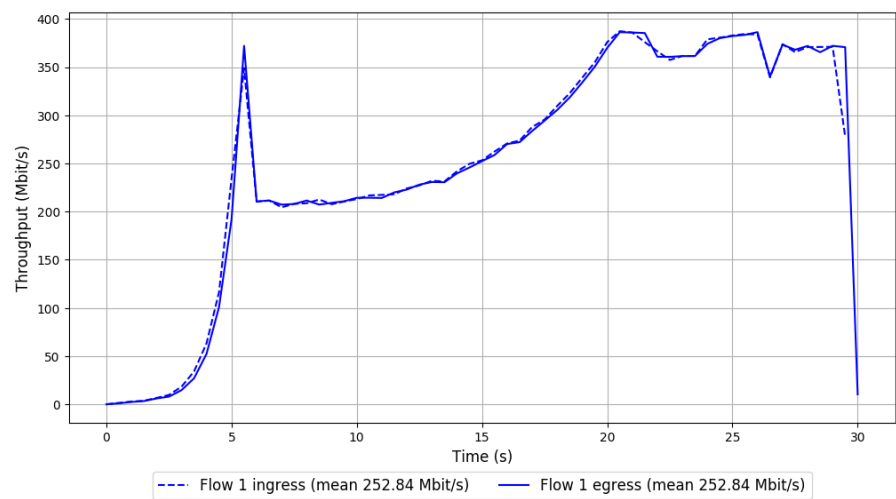
-- Flow 1:

Average throughput: 252.84 Mbit/s

95th percentile per-packet one-way delay: 136.409 ms

Loss rate: 0.00%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-03-13 16:33:44

End at: 2018-03-13 16:34:14

Below is generated by plot.py at 2018-03-13 20:10:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 295.76 Mbit/s

95th percentile per-packet one-way delay: 136.918 ms

Loss rate: 0.00%

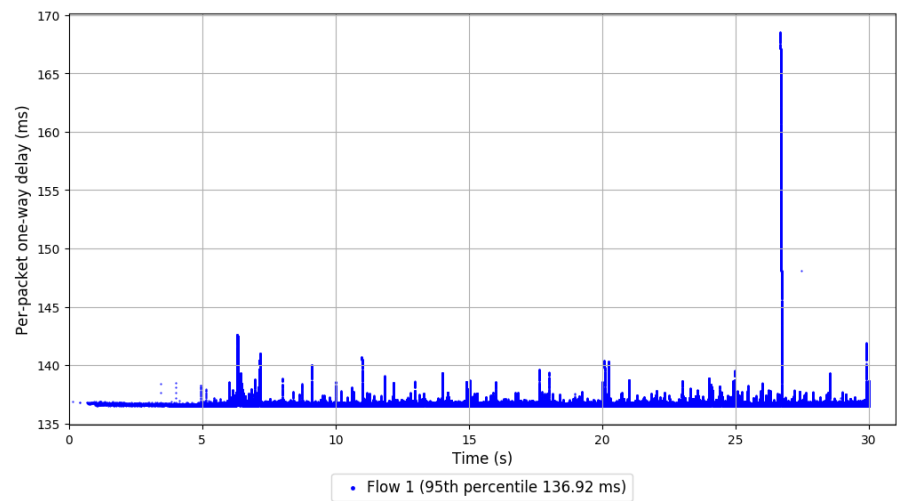
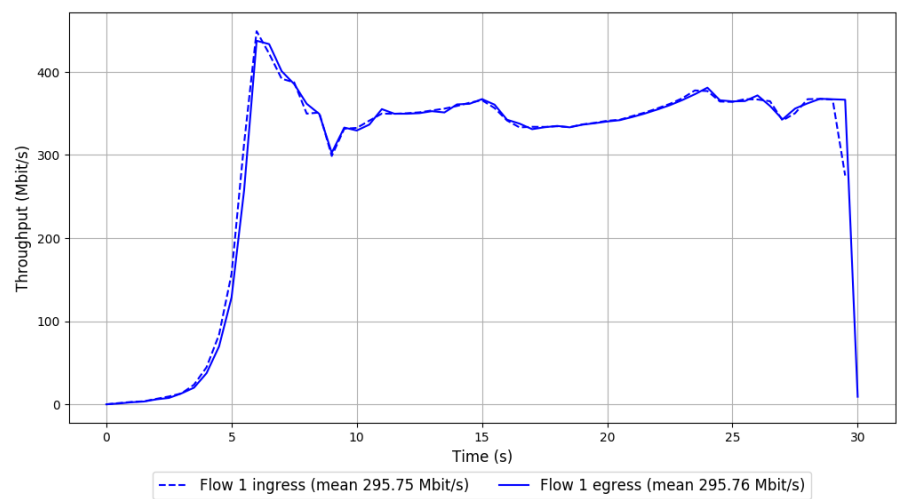
-- Flow 1:

Average throughput: 295.76 Mbit/s

95th percentile per-packet one-way delay: 136.918 ms

Loss rate: 0.00%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-03-13 16:49:31

End at: 2018-03-13 16:50:01

Below is generated by plot.py at 2018-03-13 20:10:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 312.08 Mbit/s

95th percentile per-packet one-way delay: 135.523 ms

Loss rate: 0.00%

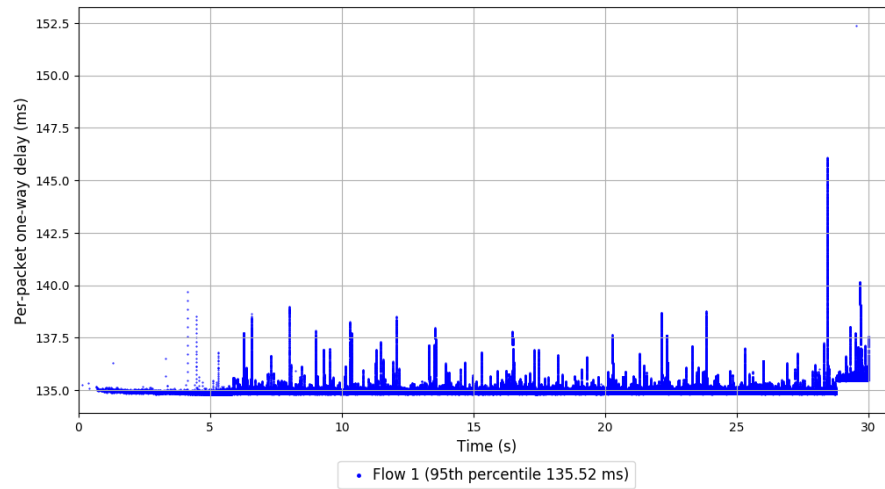
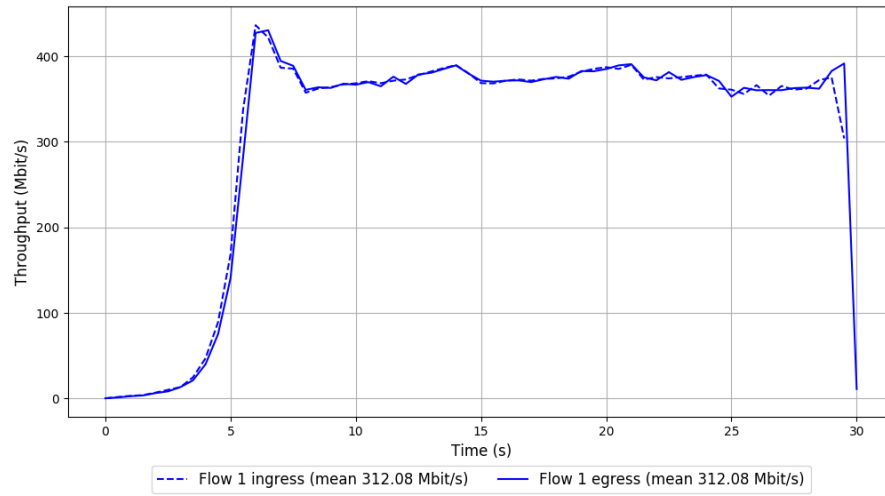
-- Flow 1:

Average throughput: 312.08 Mbit/s

95th percentile per-packet one-way delay: 135.523 ms

Loss rate: 0.00%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-03-13 17:05:27

End at: 2018-03-13 17:05:57

Below is generated by plot.py at 2018-03-13 20:10:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 306.70 Mbit/s

95th percentile per-packet one-way delay: 137.151 ms

Loss rate: 0.00%

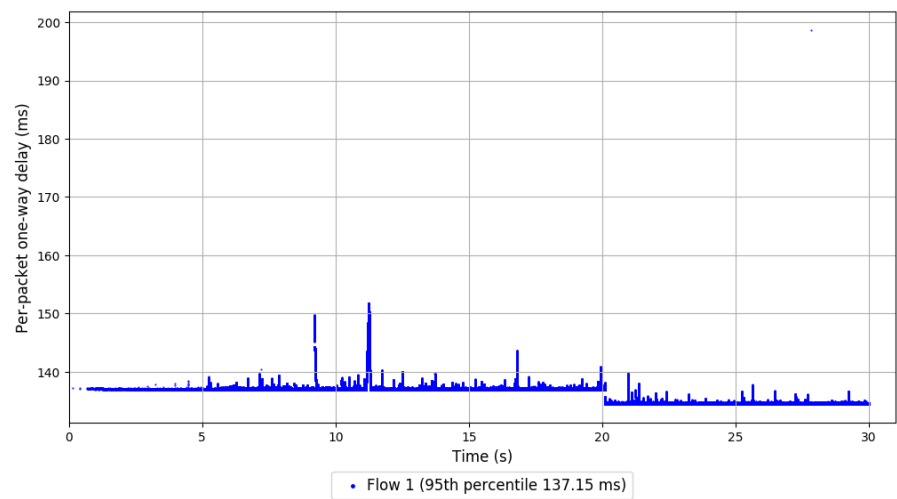
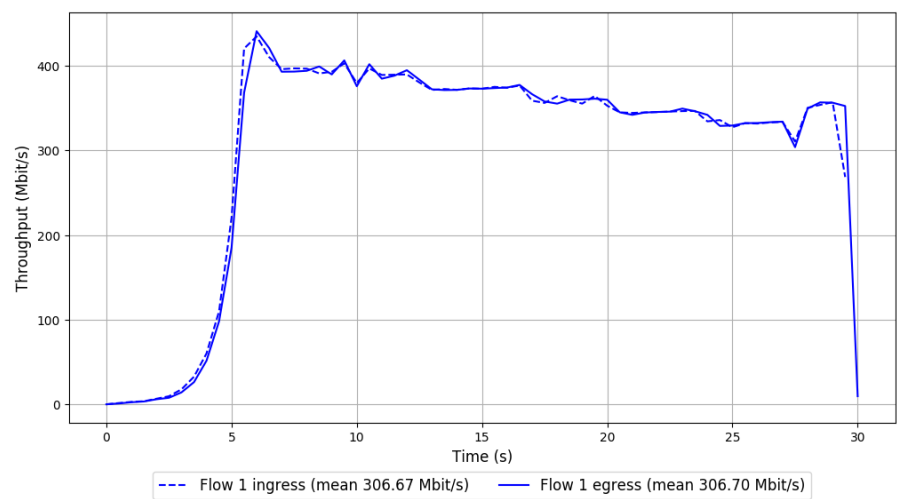
-- Flow 1:

Average throughput: 306.70 Mbit/s

95th percentile per-packet one-way delay: 137.151 ms

Loss rate: 0.00%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-03-13 17:21:12

End at: 2018-03-13 17:21:42

Below is generated by plot.py at 2018-03-13 20:10:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 312.61 Mbit/s

95th percentile per-packet one-way delay: 137.128 ms

Loss rate: 0.00%

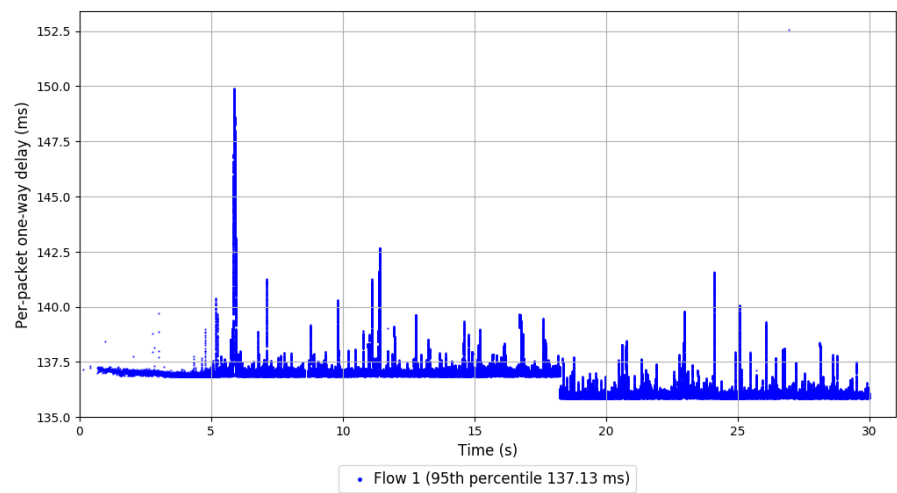
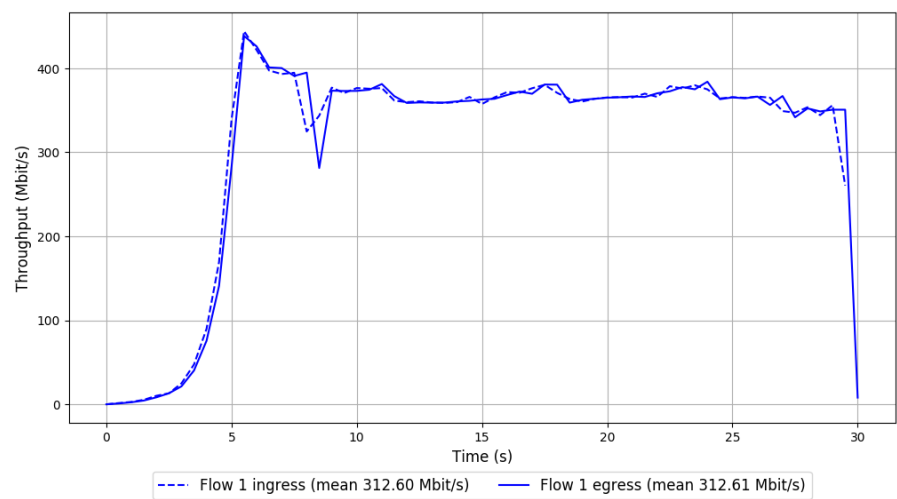
-- Flow 1:

Average throughput: 312.61 Mbit/s

95th percentile per-packet one-way delay: 137.128 ms

Loss rate: 0.00%

Run 10: Report of Vivace-latency — Data Link

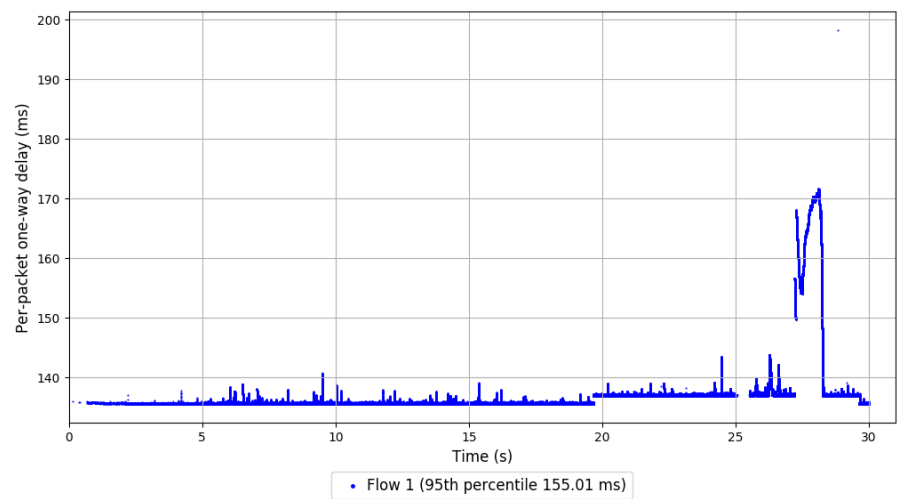
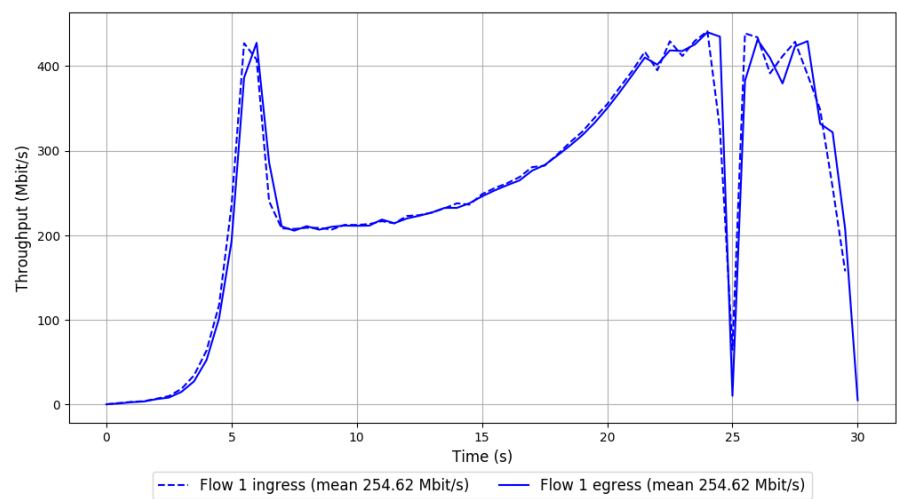


```
Run 1: Statistics of Vivace-loss

Start at: 2018-03-13 15:00:20
End at: 2018-03-13 15:00:50

# Below is generated by plot.py at 2018-03-13 20:10:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 254.62 Mbit/s
95th percentile per-packet one-way delay: 155.006 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 254.62 Mbit/s
95th percentile per-packet one-way delay: 155.006 ms
Loss rate: 0.00%
```

Run 1: Report of Vivace-loss — Data Link

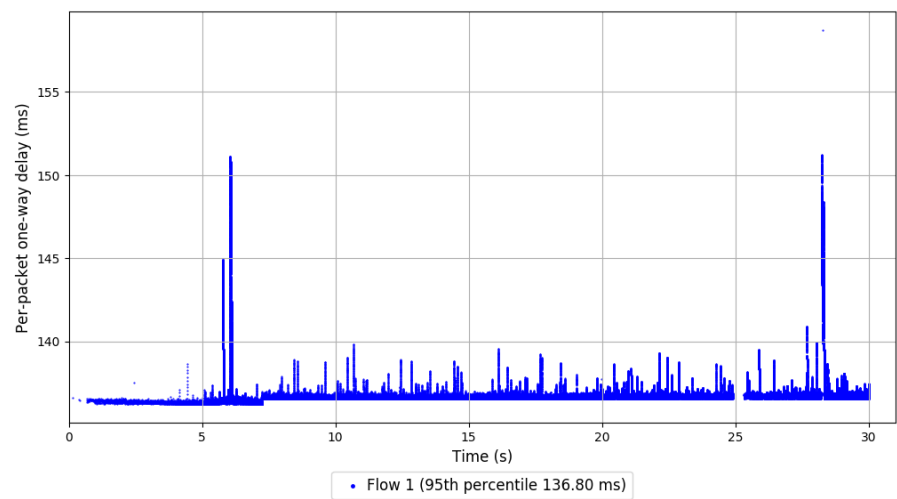
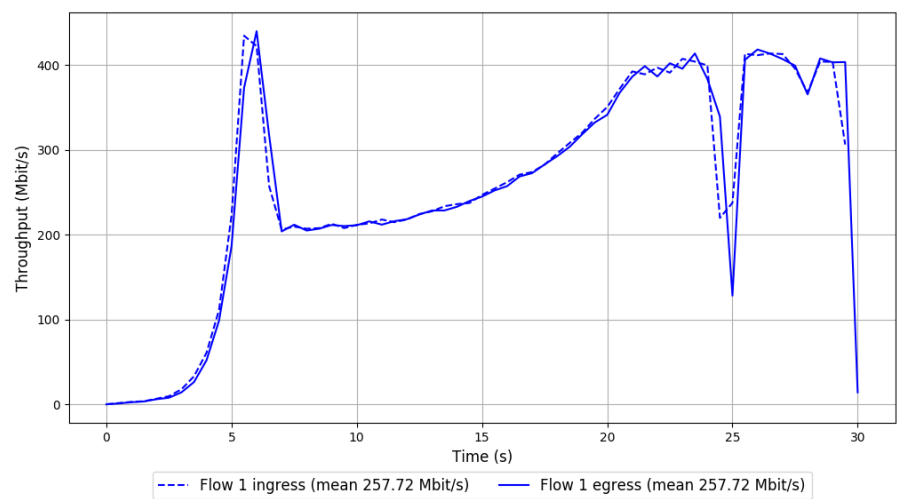


```
Run 2: Statistics of Vivace-loss

Start at: 2018-03-13 15:16:20
End at: 2018-03-13 15:16:50

# Below is generated by plot.py at 2018-03-13 20:10:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 257.72 Mbit/s
95th percentile per-packet one-way delay: 136.802 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 257.72 Mbit/s
95th percentile per-packet one-way delay: 136.802 ms
Loss rate: 0.00%
```

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-03-13 15:32:01

End at: 2018-03-13 15:32:31

Below is generated by plot.py at 2018-03-13 20:10:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 159.38 Mbit/s

95th percentile per-packet one-way delay: 136.423 ms

Loss rate: 0.00%

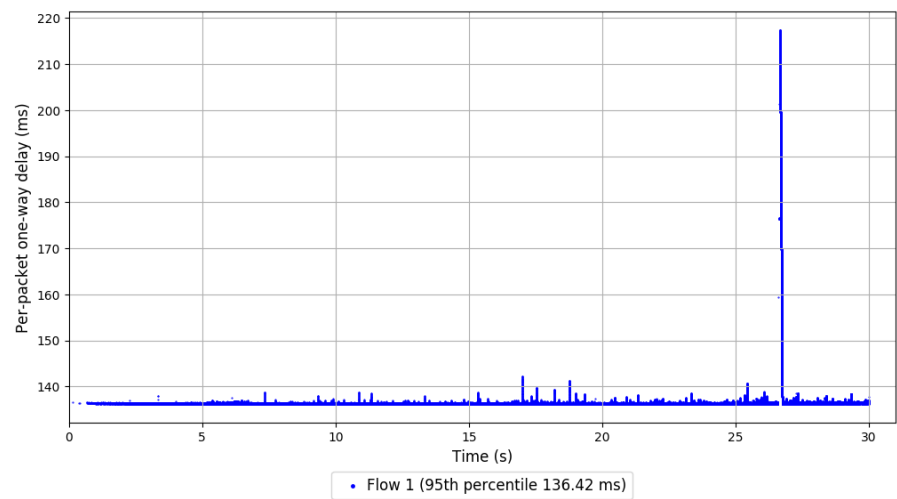
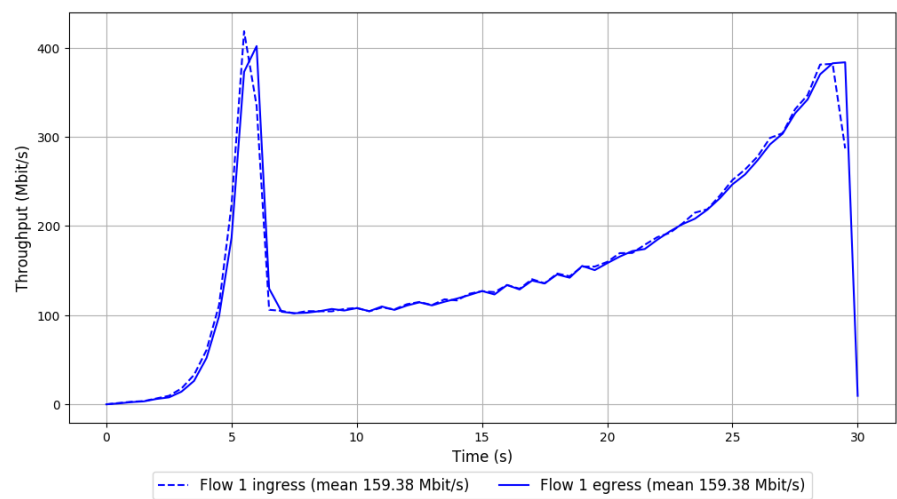
-- Flow 1:

Average throughput: 159.38 Mbit/s

95th percentile per-packet one-way delay: 136.423 ms

Loss rate: 0.00%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-03-13 15:47:39

End at: 2018-03-13 15:48:09

Below is generated by plot.py at 2018-03-13 20:15:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 314.85 Mbit/s

95th percentile per-packet one-way delay: 140.653 ms

Loss rate: 0.00%

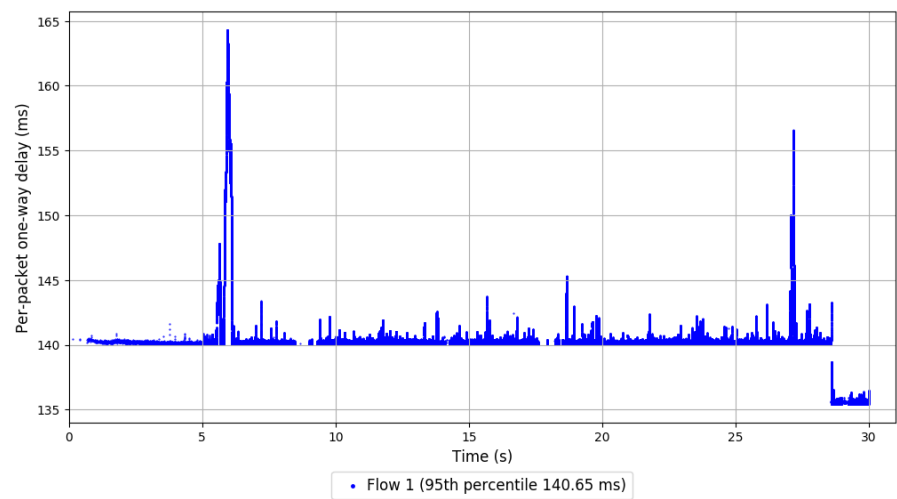
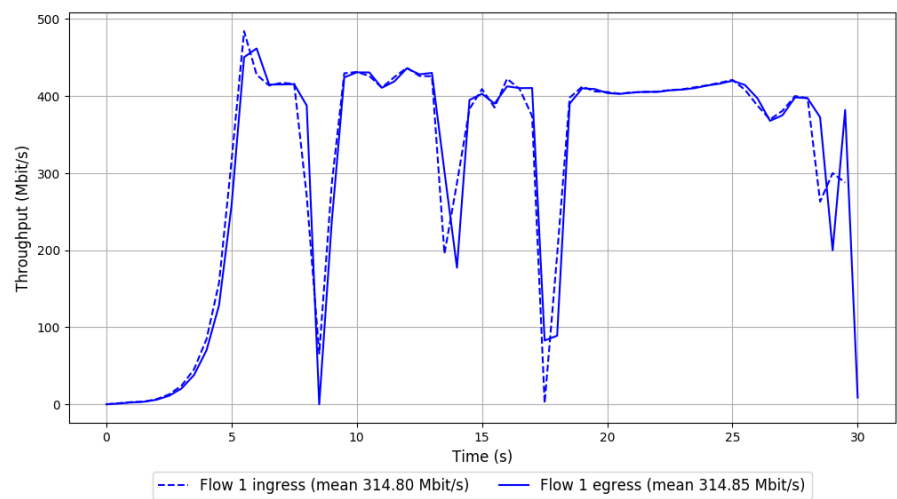
-- Flow 1:

Average throughput: 314.85 Mbit/s

95th percentile per-packet one-way delay: 140.653 ms

Loss rate: 0.00%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-03-13 16:03:11

End at: 2018-03-13 16:03:41

Below is generated by plot.py at 2018-03-13 20:15:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 276.66 Mbit/s

95th percentile per-packet one-way delay: 135.763 ms

Loss rate: 0.00%

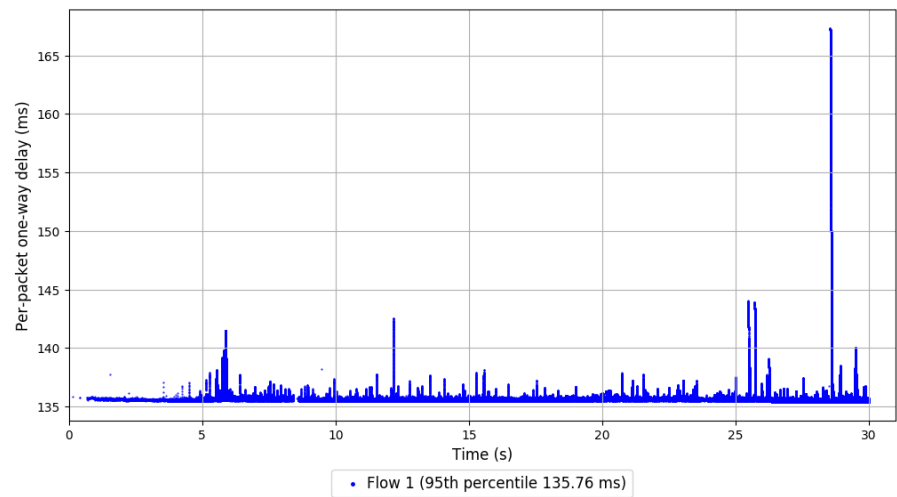
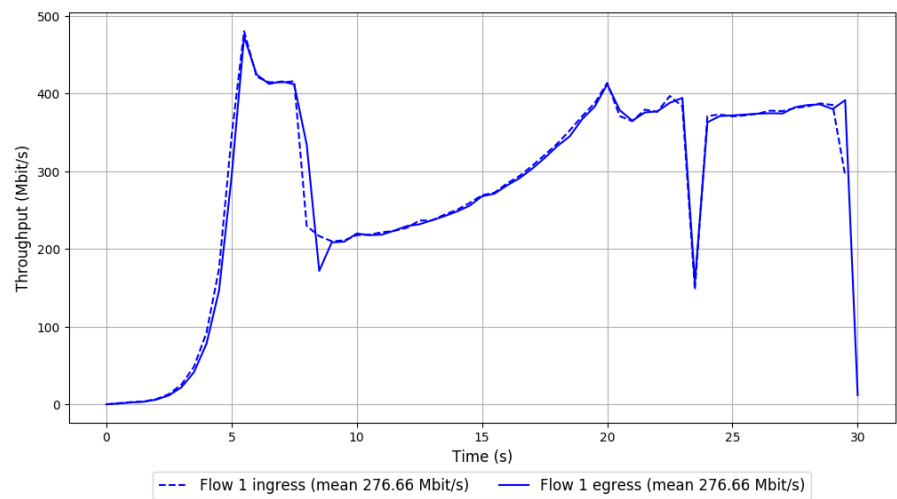
-- Flow 1:

Average throughput: 276.66 Mbit/s

95th percentile per-packet one-way delay: 135.763 ms

Loss rate: 0.00%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-03-13 16:19:03

End at: 2018-03-13 16:19:33

Below is generated by plot.py at 2018-03-13 20:16:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 320.77 Mbit/s

95th percentile per-packet one-way delay: 136.920 ms

Loss rate: 0.00%

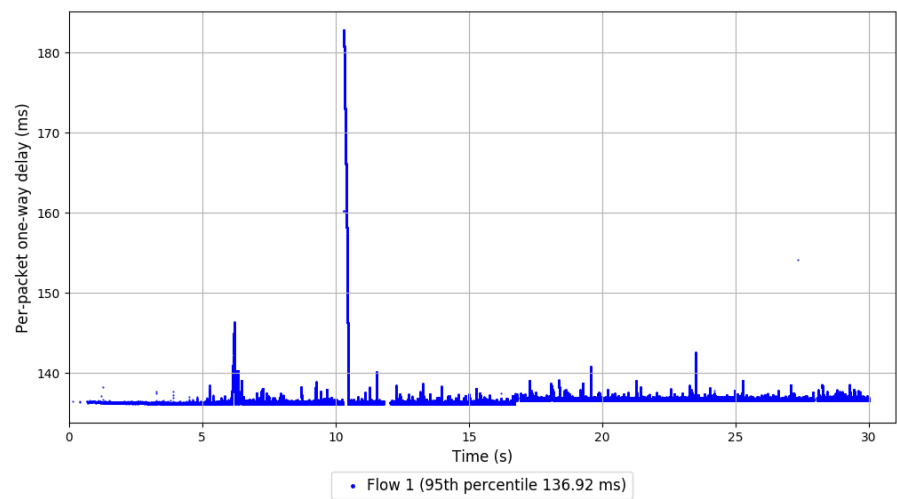
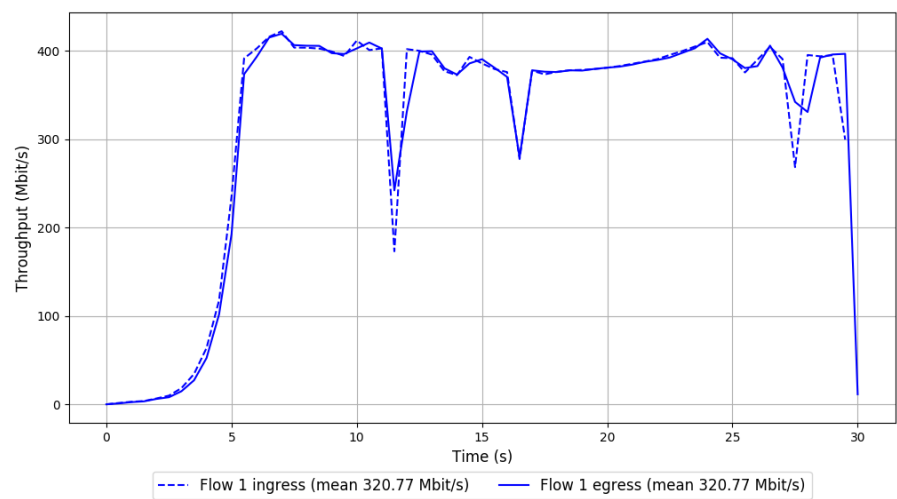
-- Flow 1:

Average throughput: 320.77 Mbit/s

95th percentile per-packet one-way delay: 136.920 ms

Loss rate: 0.00%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-03-13 16:34:50

End at: 2018-03-13 16:35:20

Below is generated by plot.py at 2018-03-13 20:16:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 320.27 Mbit/s

95th percentile per-packet one-way delay: 137.159 ms

Loss rate: 0.00%

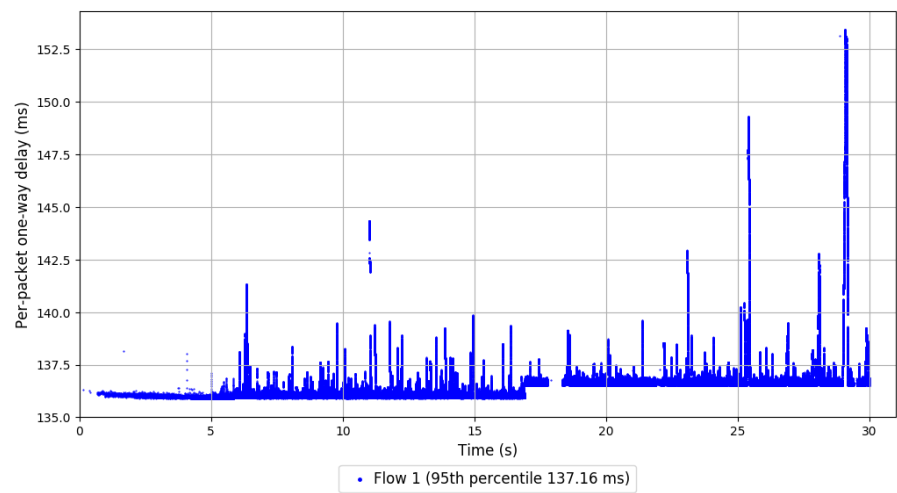
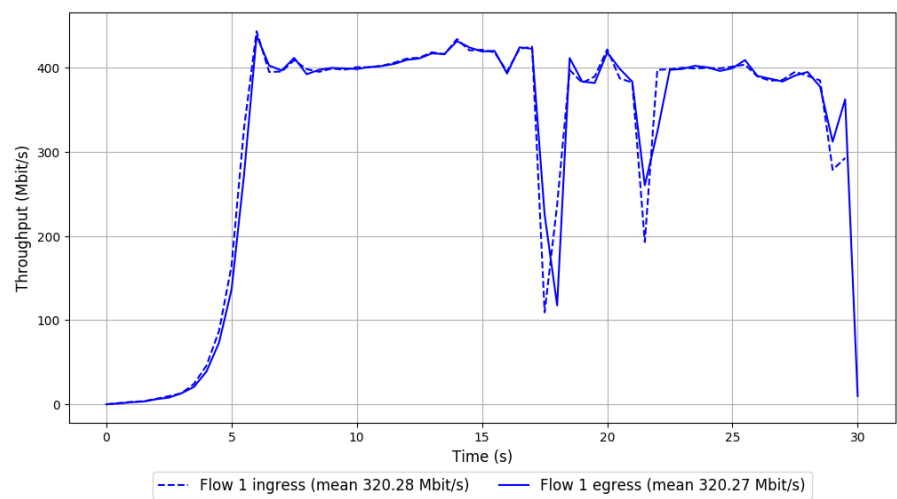
-- Flow 1:

Average throughput: 320.27 Mbit/s

95th percentile per-packet one-way delay: 137.159 ms

Loss rate: 0.00%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-03-13 16:50:37

End at: 2018-03-13 16:51:07

Below is generated by plot.py at 2018-03-13 20:16:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 313.32 Mbit/s

95th percentile per-packet one-way delay: 136.679 ms

Loss rate: 0.00%

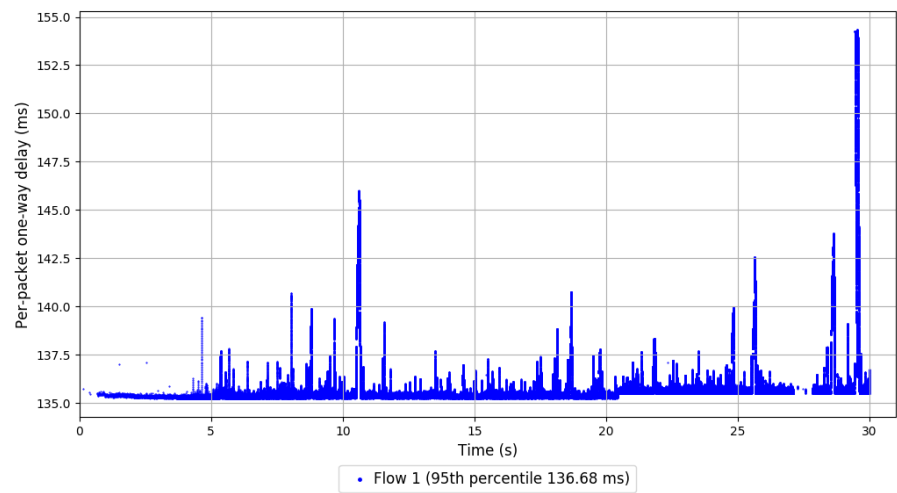
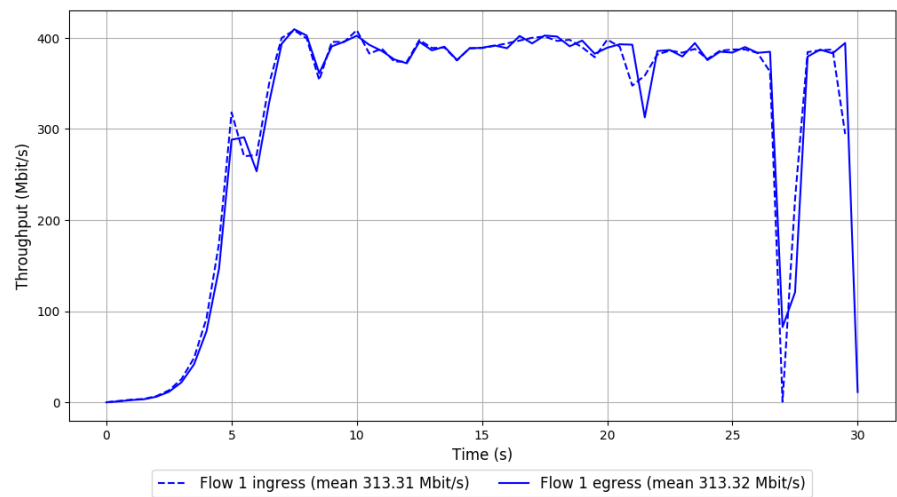
-- Flow 1:

Average throughput: 313.32 Mbit/s

95th percentile per-packet one-way delay: 136.679 ms

Loss rate: 0.00%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-03-13 17:06:33

End at: 2018-03-13 17:07:03

Below is generated by plot.py at 2018-03-13 20:16:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 256.56 Mbit/s

95th percentile per-packet one-way delay: 135.678 ms

Loss rate: 0.00%

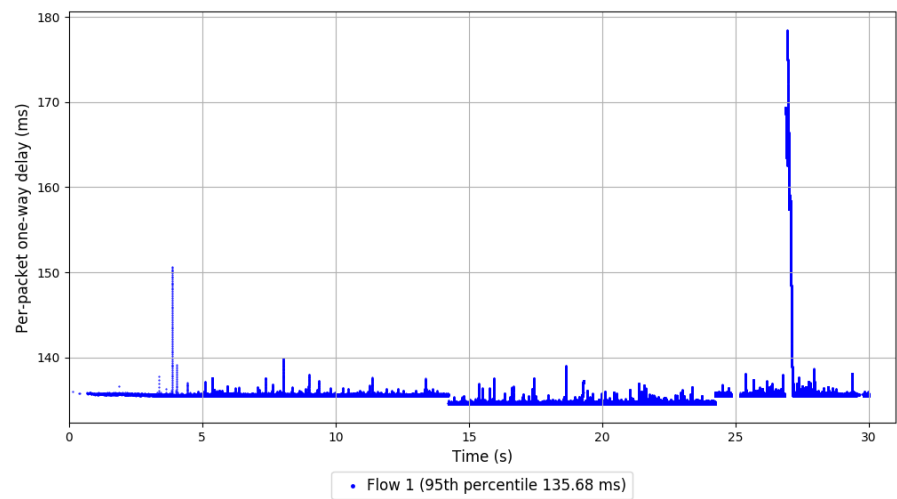
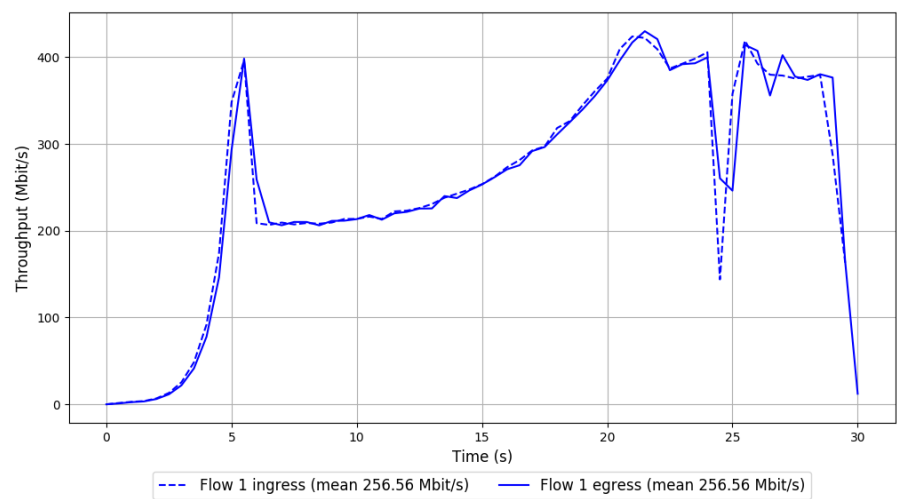
-- Flow 1:

Average throughput: 256.56 Mbit/s

95th percentile per-packet one-way delay: 135.678 ms

Loss rate: 0.00%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-03-13 17:22:18

End at: 2018-03-13 17:22:48

Below is generated by plot.py at 2018-03-13 20:16:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 268.50 Mbit/s

95th percentile per-packet one-way delay: 136.082 ms

Loss rate: 0.00%

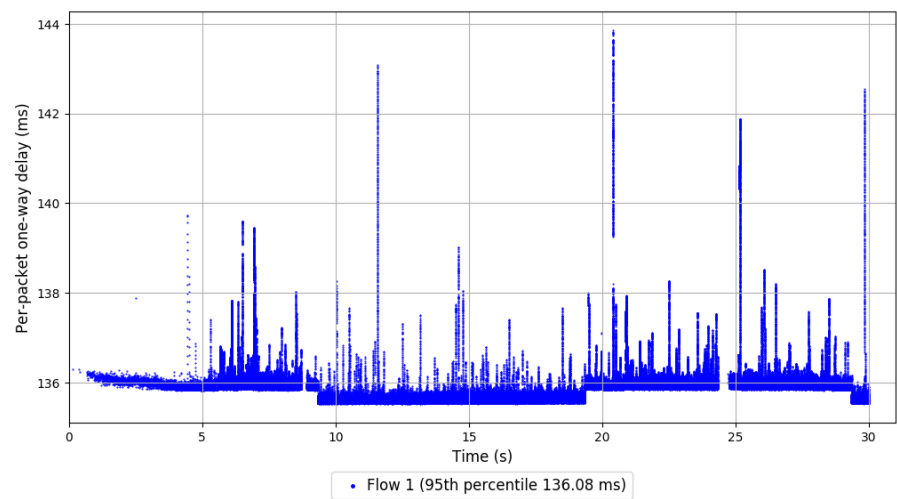
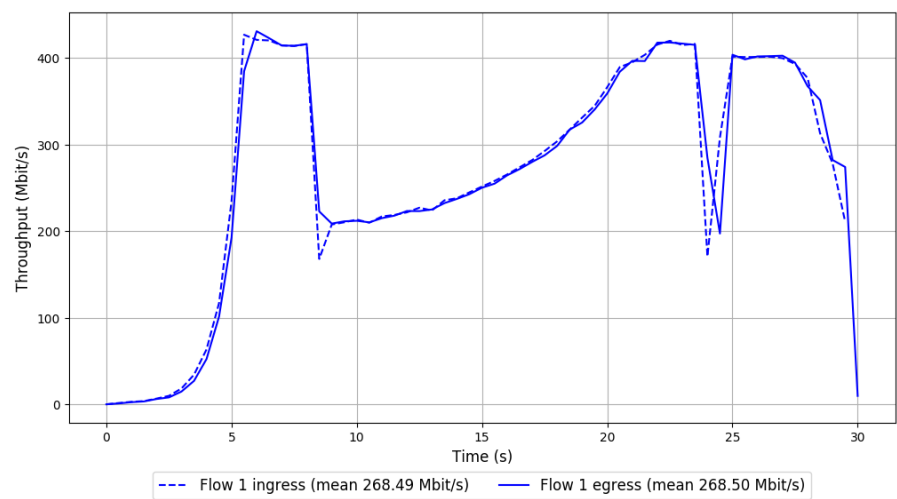
-- Flow 1:

Average throughput: 268.50 Mbit/s

95th percentile per-packet one-way delay: 136.082 ms

Loss rate: 0.00%

Run 10: Report of Vivace-loss — Data Link

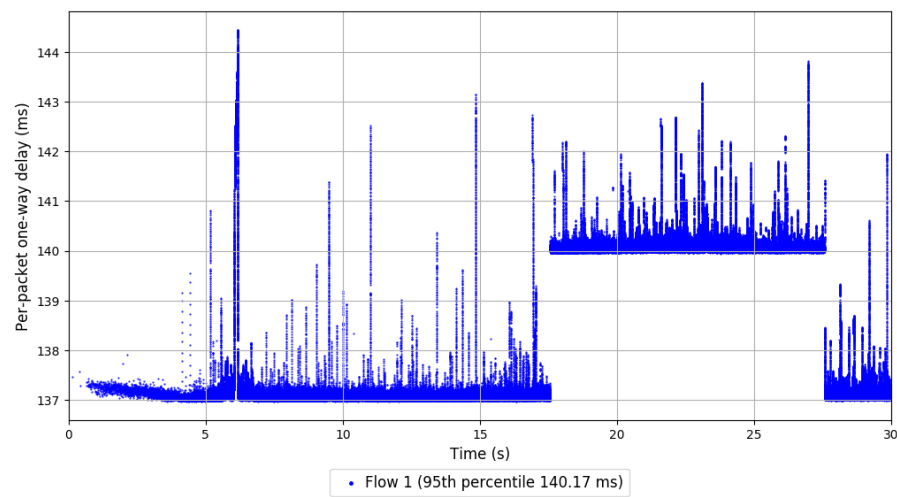
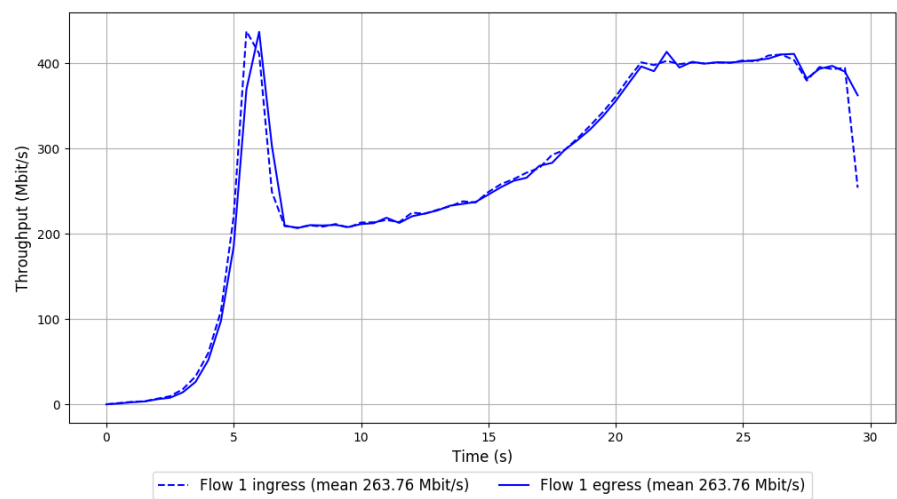


```
Run 1: Statistics of Vivace-LTE

Start at: 2018-03-13 14:54:32
End at: 2018-03-13 14:55:02

# Below is generated by plot.py at 2018-03-13 20:17:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 263.76 Mbit/s
95th percentile per-packet one-way delay: 140.171 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 263.76 Mbit/s
95th percentile per-packet one-way delay: 140.171 ms
Loss rate: 0.00%
```


Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-03-13 15:10:34

End at: 2018-03-13 15:11:04

Below is generated by plot.py at 2018-03-13 20:21:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 259.71 Mbit/s

95th percentile per-packet one-way delay: 141.144 ms

Loss rate: 0.02%

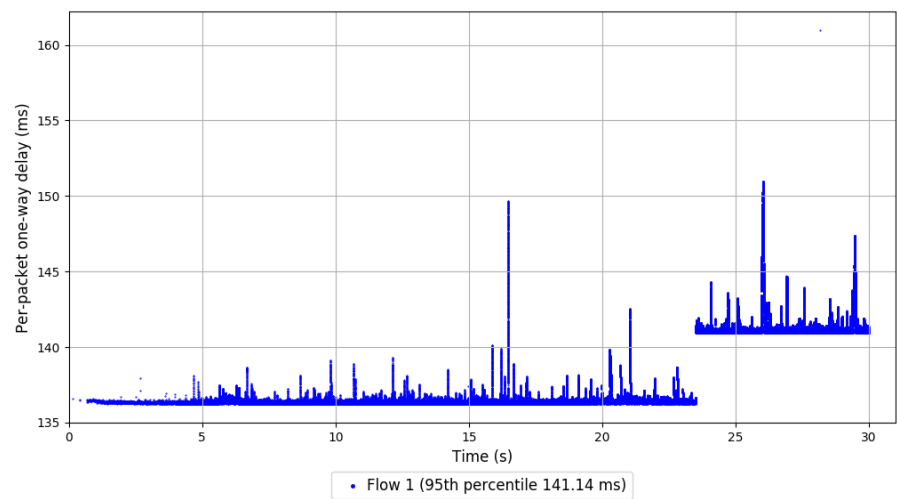
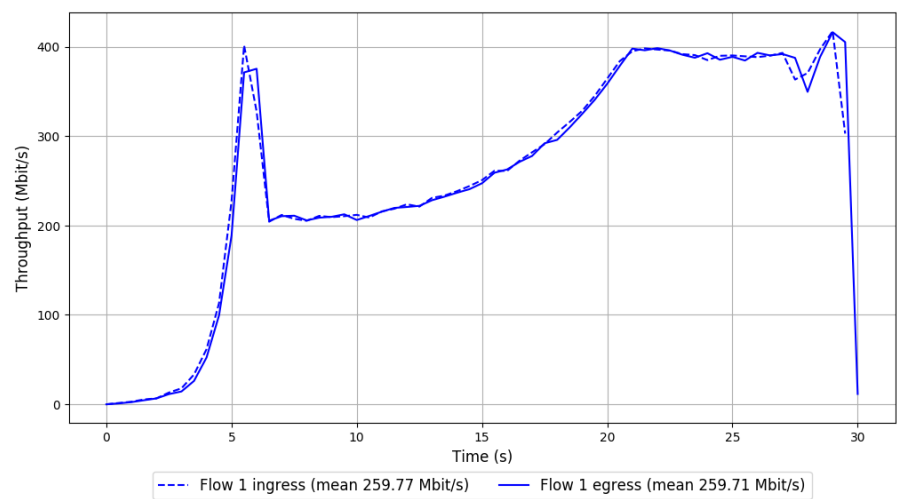
-- Flow 1:

Average throughput: 259.71 Mbit/s

95th percentile per-packet one-way delay: 141.144 ms

Loss rate: 0.02%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-03-13 15:26:10

End at: 2018-03-13 15:26:40

Below is generated by plot.py at 2018-03-13 20:22:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 330.24 Mbit/s

95th percentile per-packet one-way delay: 136.762 ms

Loss rate: 0.00%

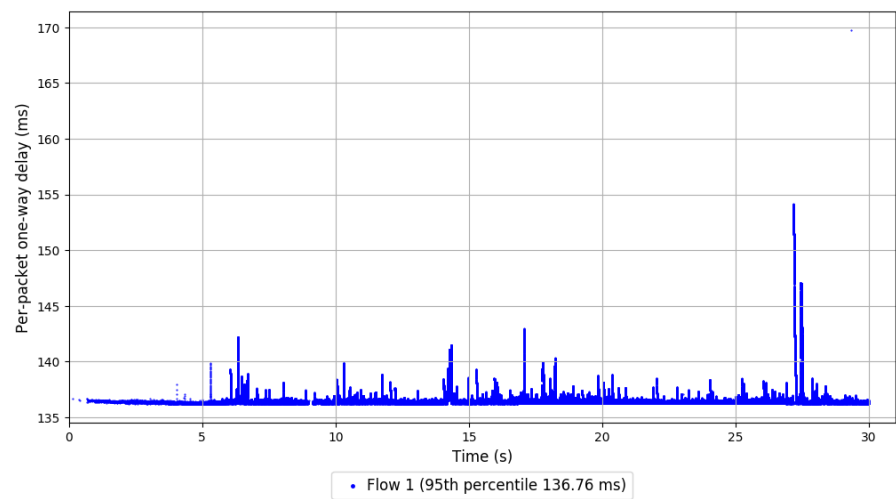
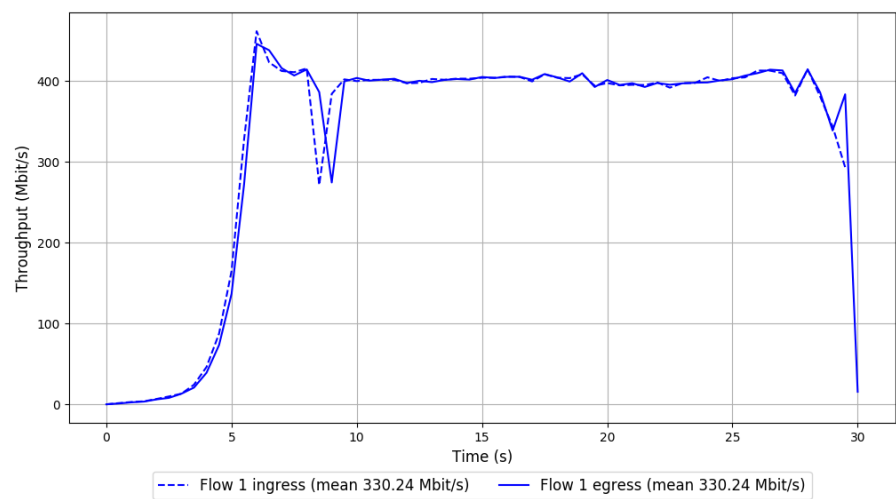
-- Flow 1:

Average throughput: 330.24 Mbit/s

95th percentile per-packet one-way delay: 136.762 ms

Loss rate: 0.00%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-03-13 15:41:57

End at: 2018-03-13 15:42:27

Below is generated by plot.py at 2018-03-13 20:22:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 257.82 Mbit/s

95th percentile per-packet one-way delay: 141.137 ms

Loss rate: 0.02%

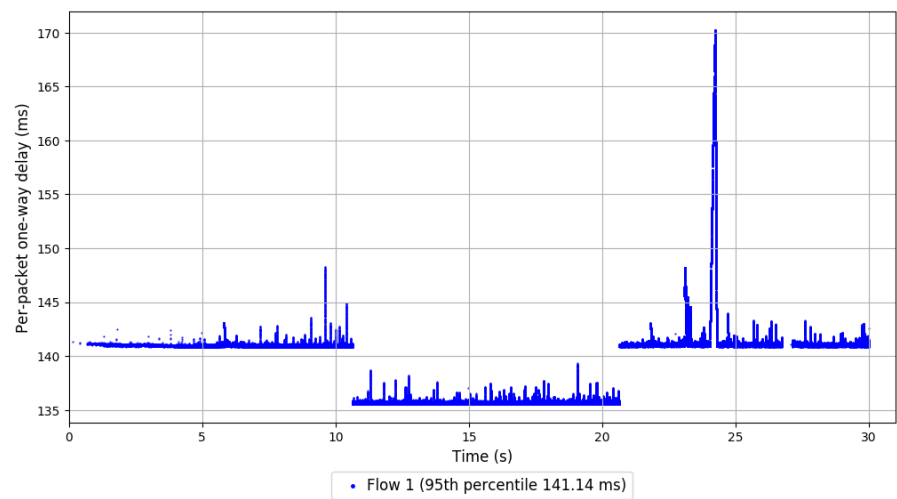
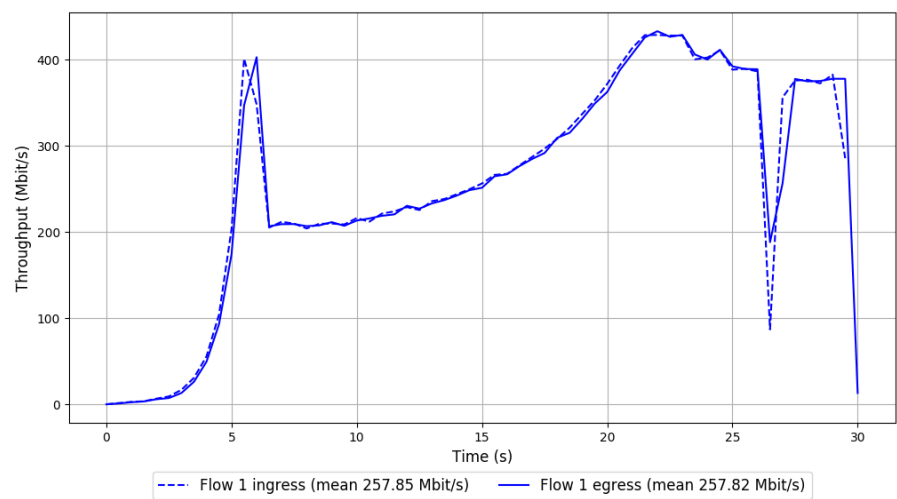
-- Flow 1:

Average throughput: 257.82 Mbit/s

95th percentile per-packet one-way delay: 141.137 ms

Loss rate: 0.02%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-03-13 15:57:36

End at: 2018-03-13 15:58:06

Below is generated by plot.py at 2018-03-13 20:22:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 257.14 Mbit/s

95th percentile per-packet one-way delay: 135.682 ms

Loss rate: 0.00%

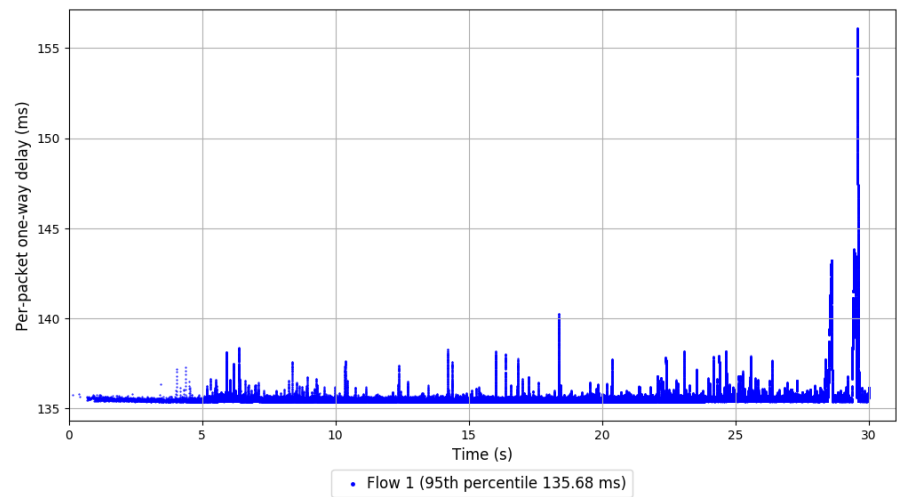
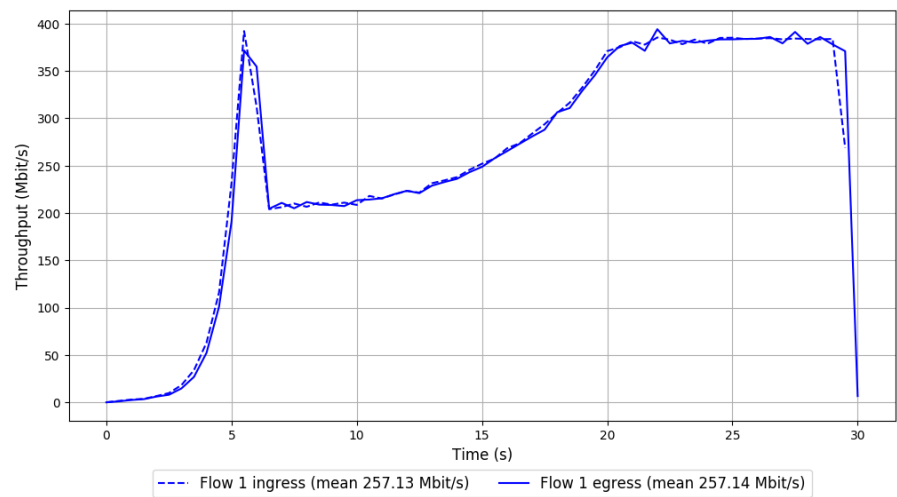
-- Flow 1:

Average throughput: 257.14 Mbit/s

95th percentile per-packet one-way delay: 135.682 ms

Loss rate: 0.00%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-03-13 16:13:20

End at: 2018-03-13 16:13:50

Below is generated by plot.py at 2018-03-13 20:22:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 256.99 Mbit/s

95th percentile per-packet one-way delay: 135.918 ms

Loss rate: 0.00%

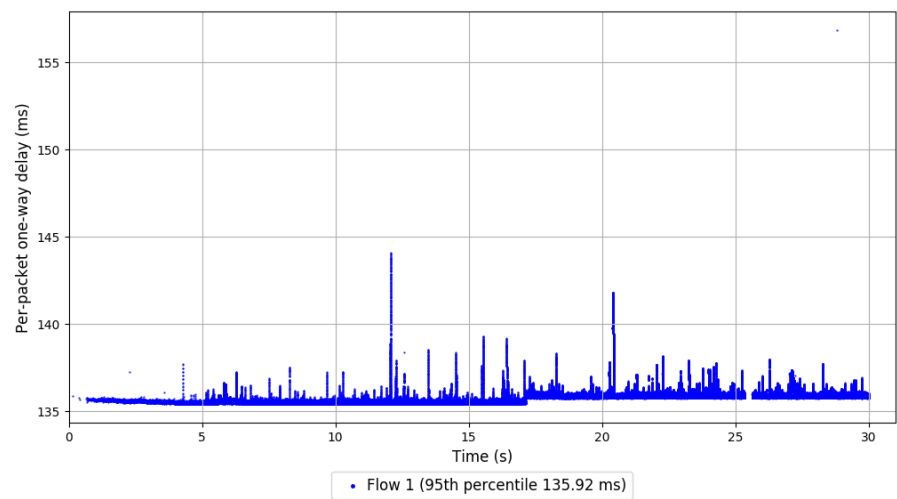
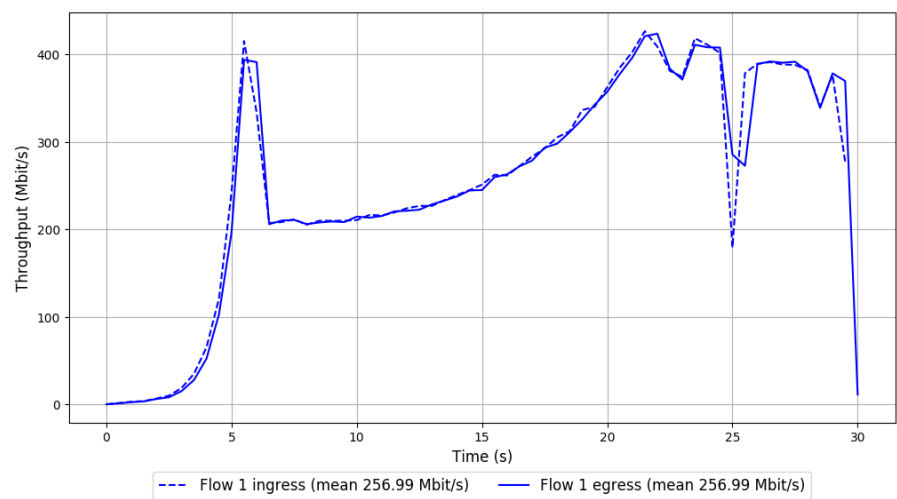
-- Flow 1:

Average throughput: 256.99 Mbit/s

95th percentile per-packet one-way delay: 135.918 ms

Loss rate: 0.00%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-03-13 16:28:58

End at: 2018-03-13 16:29:28

Below is generated by plot.py at 2018-03-13 20:22:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 309.33 Mbit/s

95th percentile per-packet one-way delay: 136.045 ms

Loss rate: 0.00%

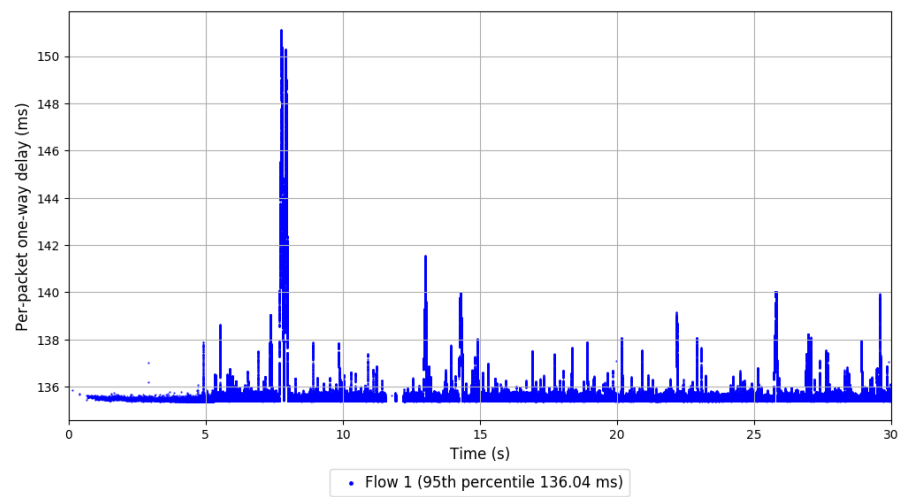
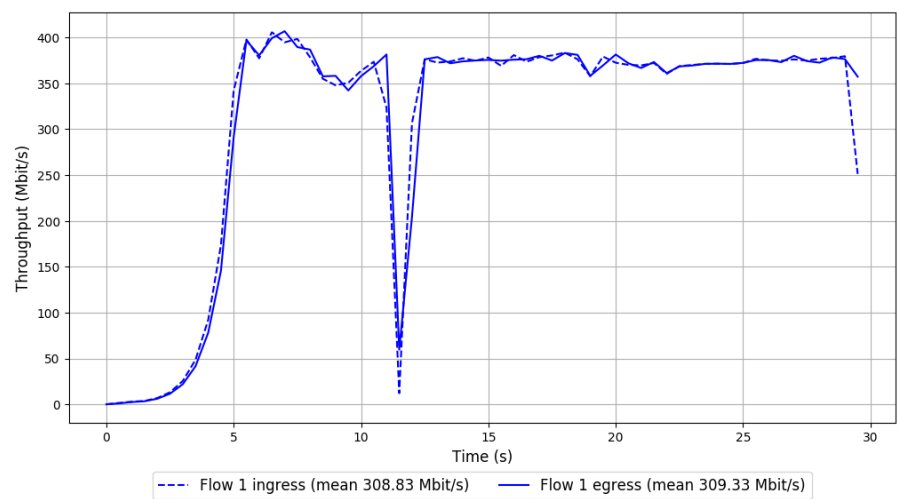
-- Flow 1:

Average throughput: 309.33 Mbit/s

95th percentile per-packet one-way delay: 136.045 ms

Loss rate: 0.00%

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-03-13 16:44:47

End at: 2018-03-13 16:45:17

Below is generated by plot.py at 2018-03-13 20:22:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 252.81 Mbit/s

95th percentile per-packet one-way delay: 137.001 ms

Loss rate: 0.00%

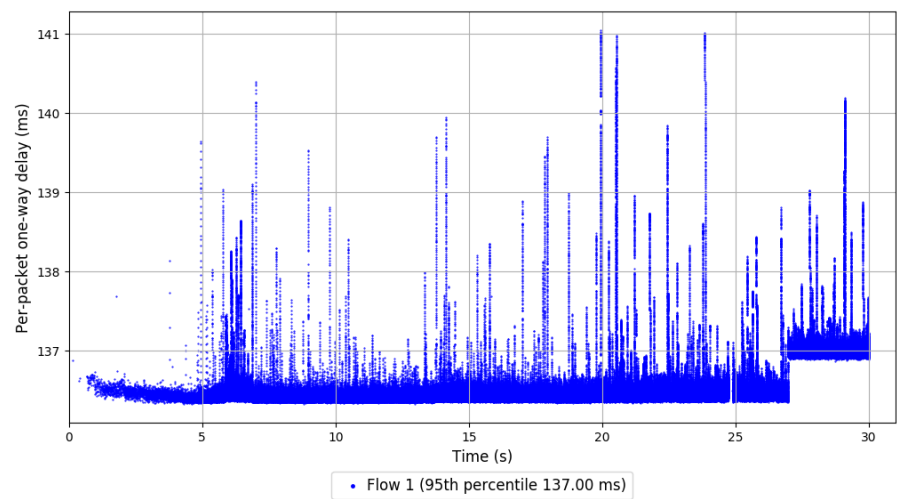
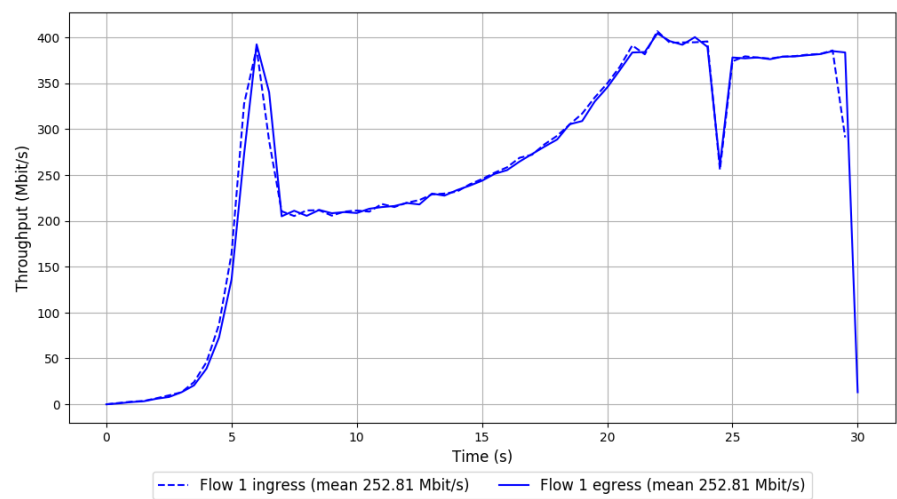
-- Flow 1:

Average throughput: 252.81 Mbit/s

95th percentile per-packet one-way delay: 137.001 ms

Loss rate: 0.00%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-03-13 17:00:45

End at: 2018-03-13 17:01:15

Below is generated by plot.py at 2018-03-13 20:22:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 252.60 Mbit/s

95th percentile per-packet one-way delay: 137.019 ms

Loss rate: 0.01%

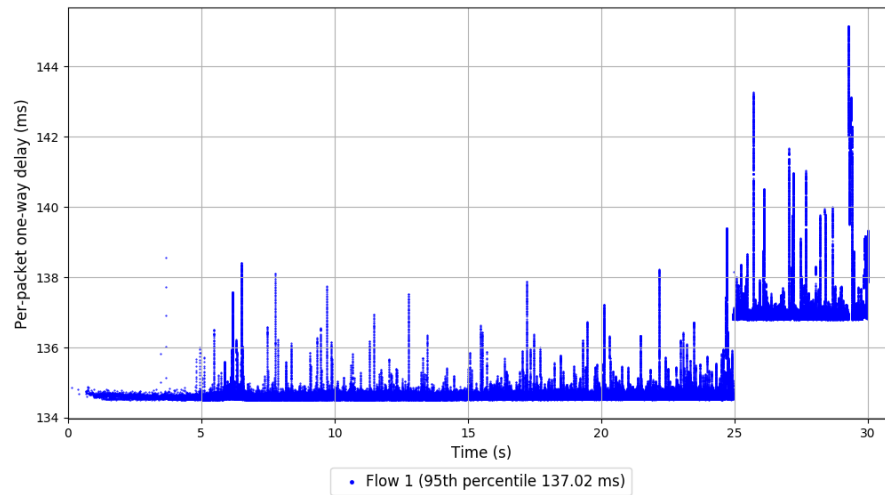
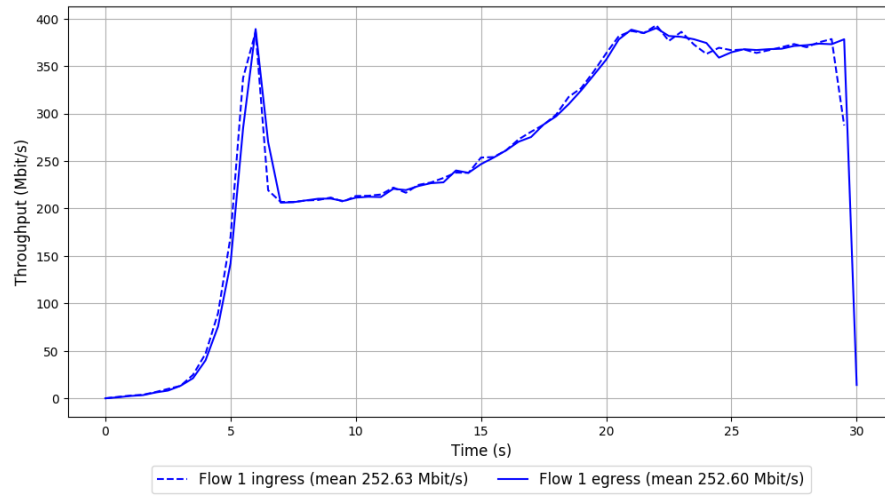
-- Flow 1:

Average throughput: 252.60 Mbit/s

95th percentile per-packet one-way delay: 137.019 ms

Loss rate: 0.01%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-03-13 17:16:29

End at: 2018-03-13 17:16:59

Below is generated by plot.py at 2018-03-13 20:23:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 258.07 Mbit/s

95th percentile per-packet one-way delay: 135.430 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 258.07 Mbit/s

95th percentile per-packet one-way delay: 135.430 ms

Loss rate: 0.00%

Run 10: Report of Vivace-LTE — Data Link

