

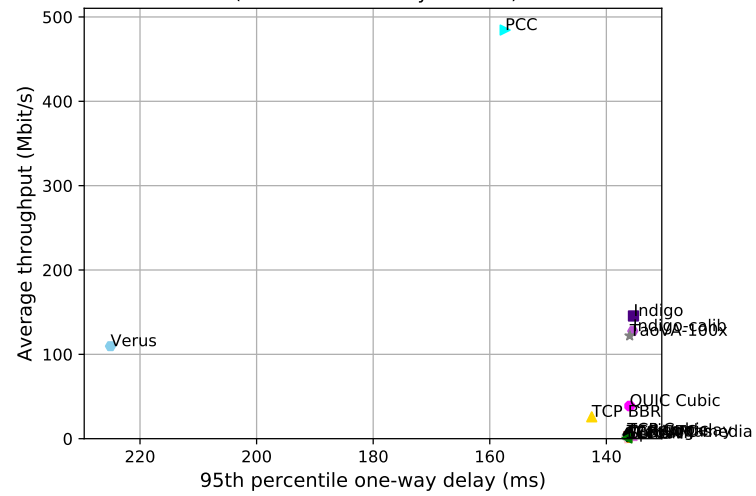
Pantheon Report

Generated at 2017-09-22 00:16:23 (UTC).
Data path: GCE Sydney Ethernet (*local*) → GCE London Ethernet (*remote*).
Repeated the test of 14 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**).

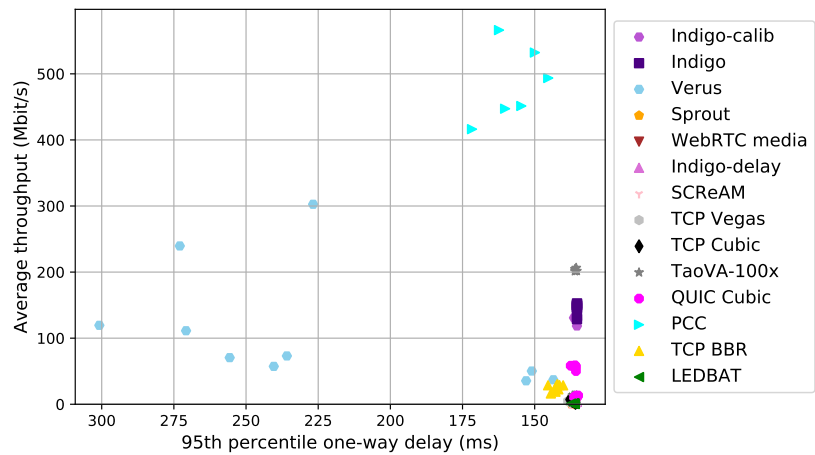
Git summary:

```
branch: indigos @ 46c7c812d4acb71eea4f5fb0b03b3657cea3062f
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906edff4876d5a7e5bfff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fab936fdca204b80db
third_party/indigo-no-send-rate @ b39dfa6b2c5f19cb7cd89626cb4f5bb81f9fecda
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
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 @ f1a14bffe749737437f61b1eaaeb30b267cde681
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/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	25.95	142.51	0.89
TCP Cubic	10	4.70	136.42	0.66
LEDBAT	10	0.85	136.48	0.24
PCC	6	484.49	157.36	1.08
QUIC Cubic	10	38.75	136.01	0.04
SCReAM	10	0.21	136.71	0.06
WebRTC media	10	2.17	136.19	0.04
Sprout	10	0.43	136.20	0.13
TaoVA-100x	7	121.99	135.99	0.09
TCP Vegas	10	2.45	136.51	0.95
Verus	10	109.68	225.07	4.48
Indigo	10	145.50	135.35	0.14
Indigo-calib	10	127.55	135.47	0.22
Indigo-delay	10	3.82	135.59	1.70

Run 1: Statistics of TCP BBR

Start at: 2017-09-21 21:41:49

End at: 2017-09-21 21:42:19

Below is generated by plot.py at 2017-09-21 23:53:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.62 Mbit/s

95th percentile per-packet one-way delay: 141.793 ms

Loss rate: 0.40%

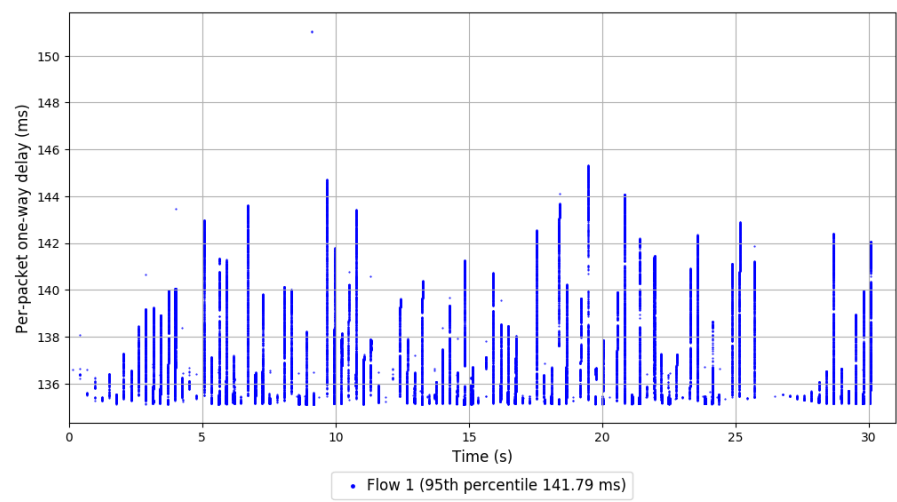
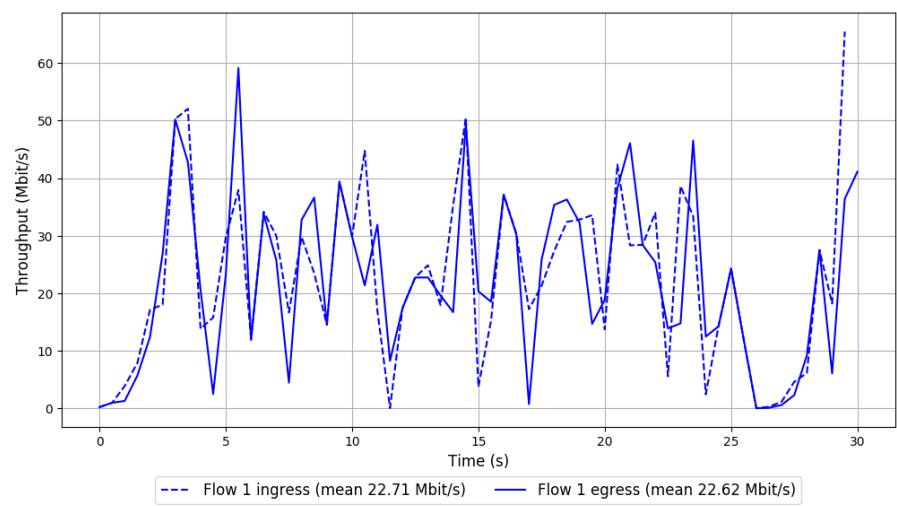
-- Flow 1:

Average throughput: 22.62 Mbit/s

95th percentile per-packet one-way delay: 141.793 ms

Loss rate: 0.40%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2017-09-21 21:53:07

End at: 2017-09-21 21:53:37

Below is generated by plot.py at 2017-09-21 23:53:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.99 Mbit/s

95th percentile per-packet one-way delay: 142.622 ms

Loss rate: 0.50%

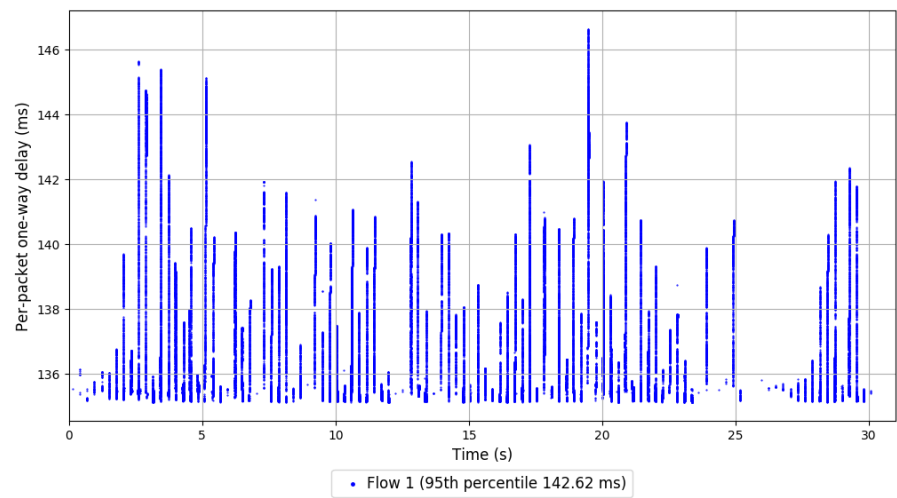
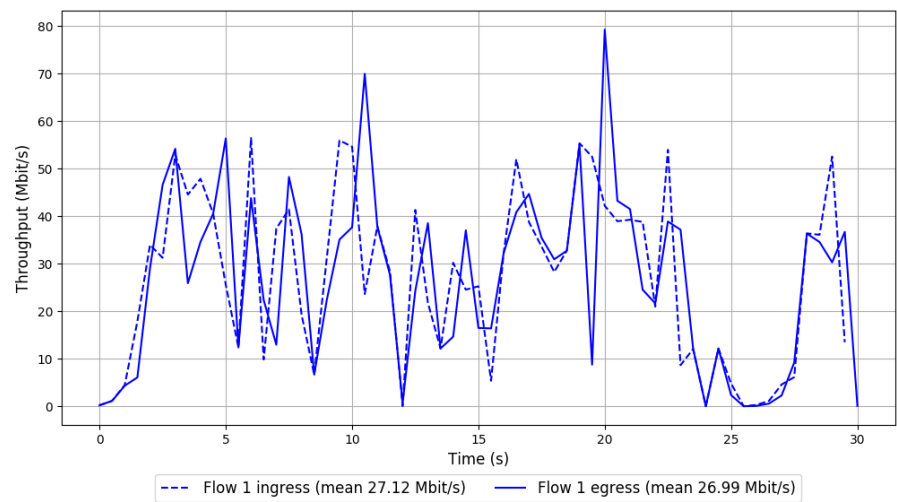
-- Flow 1:

Average throughput: 26.99 Mbit/s

95th percentile per-packet one-way delay: 142.622 ms

Loss rate: 0.50%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2017-09-21 22:04:17

End at: 2017-09-21 22:04:47

Below is generated by plot.py at 2017-09-21 23:53:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 28.27 Mbit/s

95th percentile per-packet one-way delay: 142.282 ms

Loss rate: 0.21%

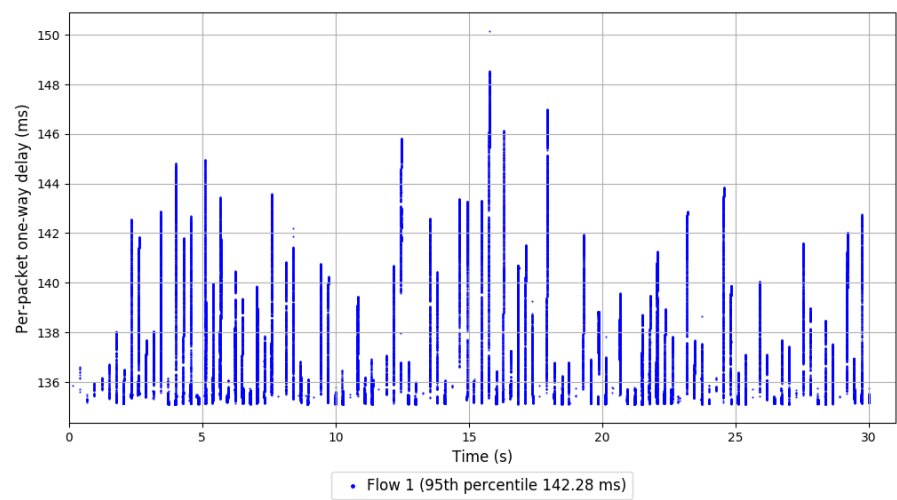
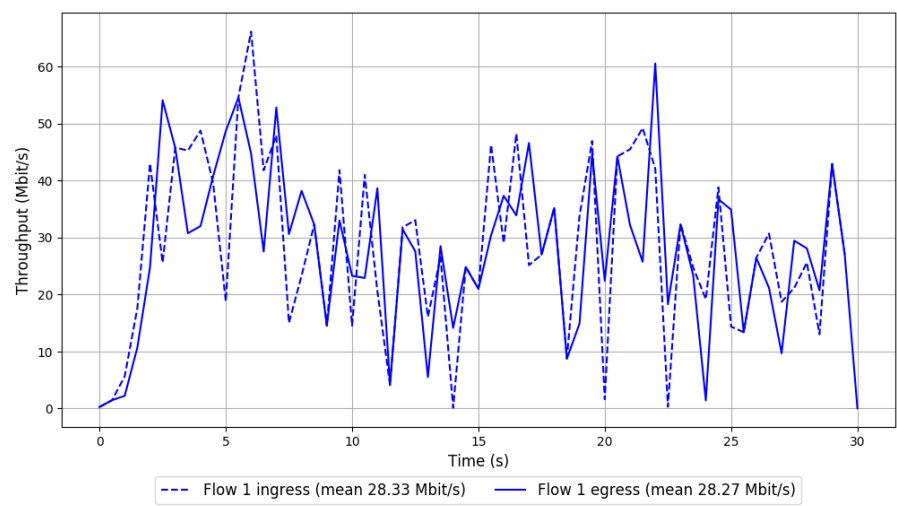
-- Flow 1:

Average throughput: 28.27 Mbit/s

95th percentile per-packet one-way delay: 142.282 ms

Loss rate: 0.21%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2017-09-21 22:15:55

End at: 2017-09-21 22:16:25

Below is generated by plot.py at 2017-09-21 23:53:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.44 Mbit/s

95th percentile per-packet one-way delay: 142.135 ms

Loss rate: 0.18%

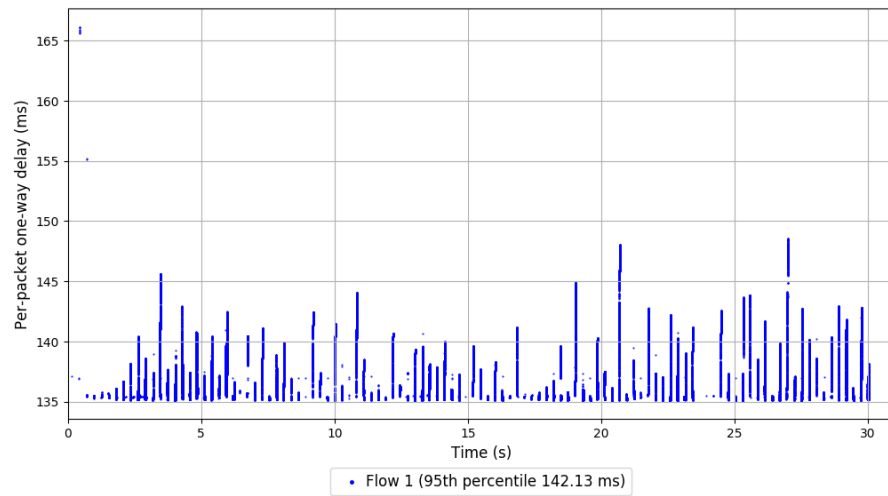
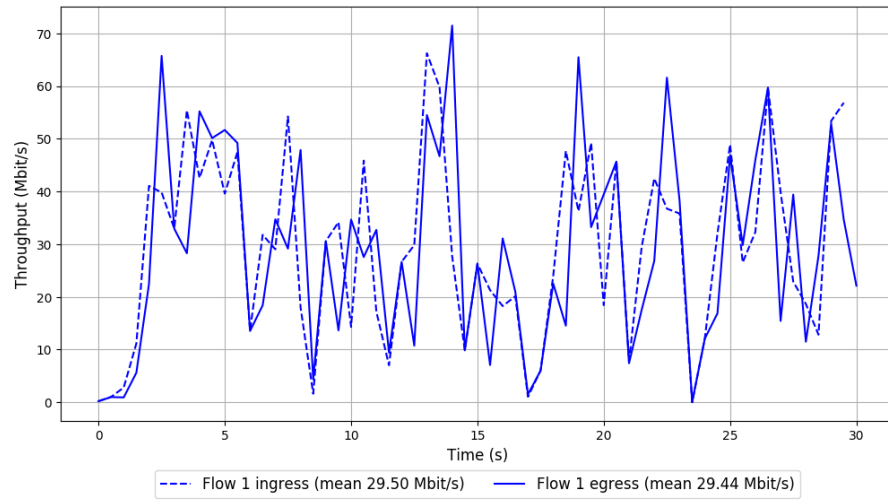
-- Flow 1:

Average throughput: 29.44 Mbit/s

95th percentile per-packet one-way delay: 142.135 ms

Loss rate: 0.18%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2017-09-21 22:26:46

End at: 2017-09-21 22:27:16

Below is generated by plot.py at 2017-09-21 23:53:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 28.98 Mbit/s

95th percentile per-packet one-way delay: 141.419 ms

Loss rate: 0.25%

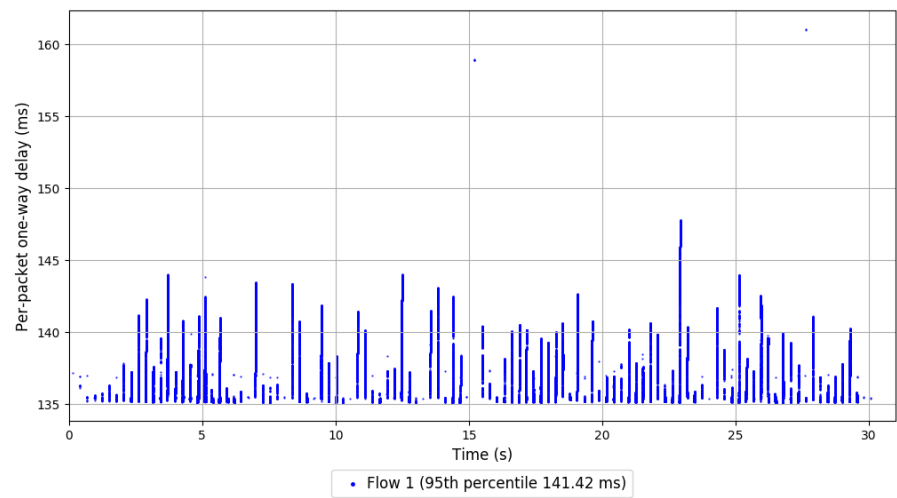
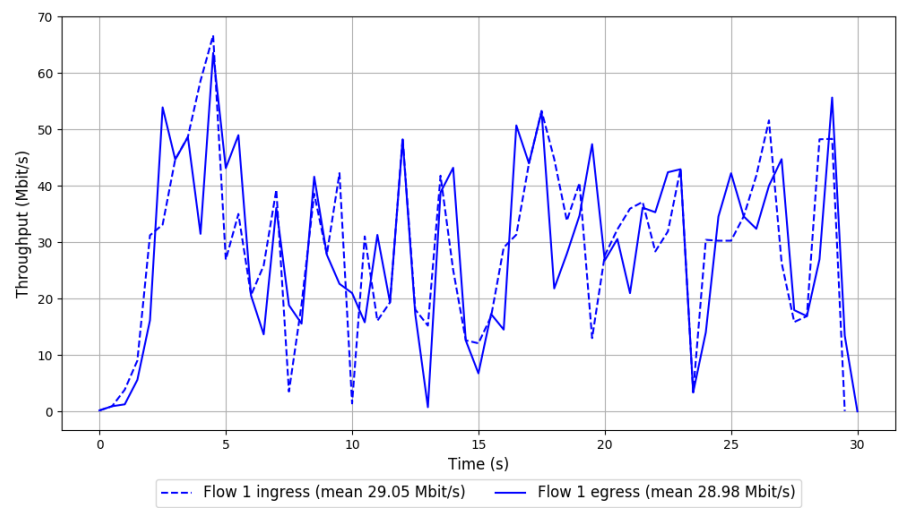
-- Flow 1:

Average throughput: 28.98 Mbit/s

95th percentile per-packet one-way delay: 141.419 ms

Loss rate: 0.25%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2017-09-21 22:37:50

End at: 2017-09-21 22:38:20

Below is generated by plot.py at 2017-09-21 23:53:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 19.08 Mbit/s

95th percentile per-packet one-way delay: 142.782 ms

Loss rate: 3.47%

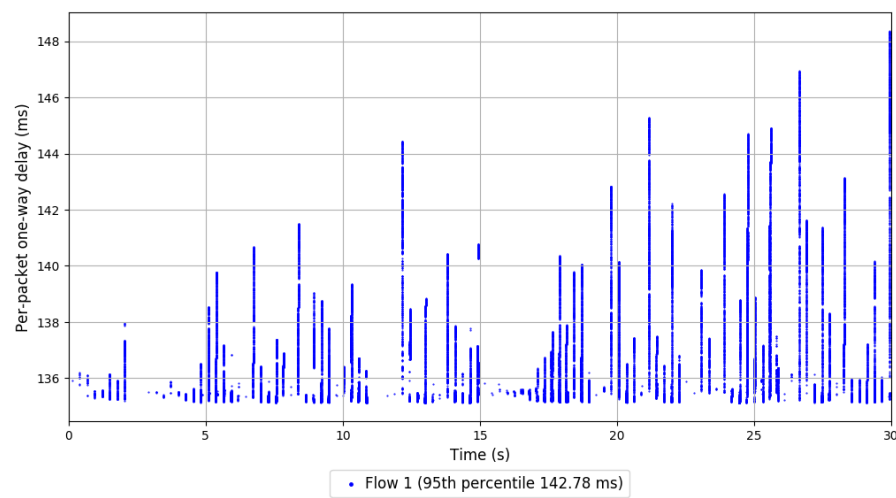
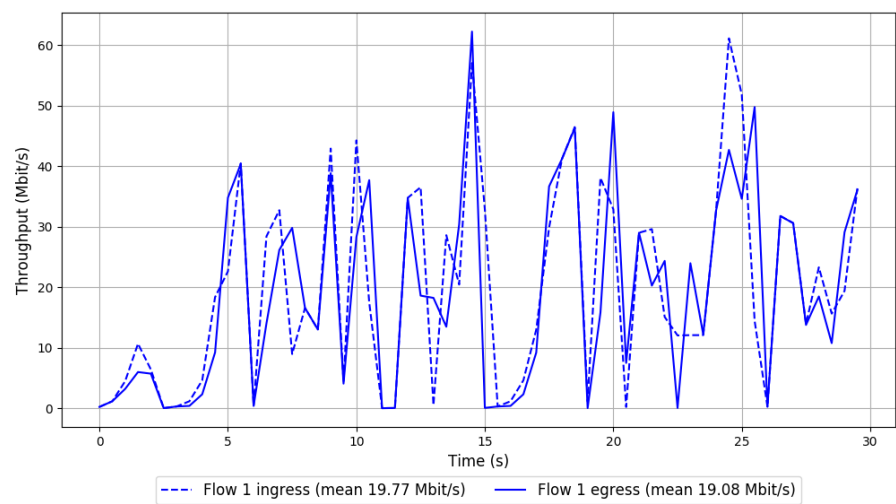
-- Flow 1:

Average throughput: 19.08 Mbit/s

95th percentile per-packet one-way delay: 142.782 ms

Loss rate: 3.47%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2017-09-21 22:49:14

End at: 2017-09-21 22:49:44

Below is generated by plot.py at 2017-09-21 23:53:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 28.74 Mbit/s

95th percentile per-packet one-way delay: 145.368 ms

Loss rate: 0.46%

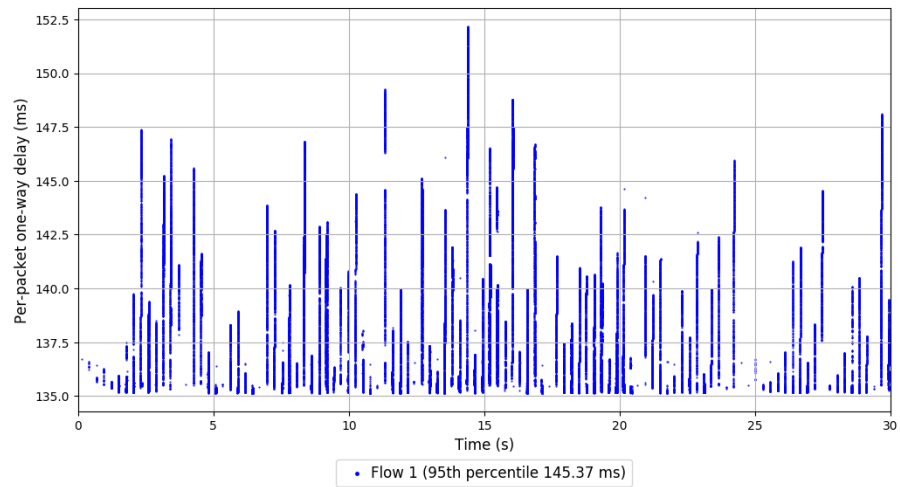
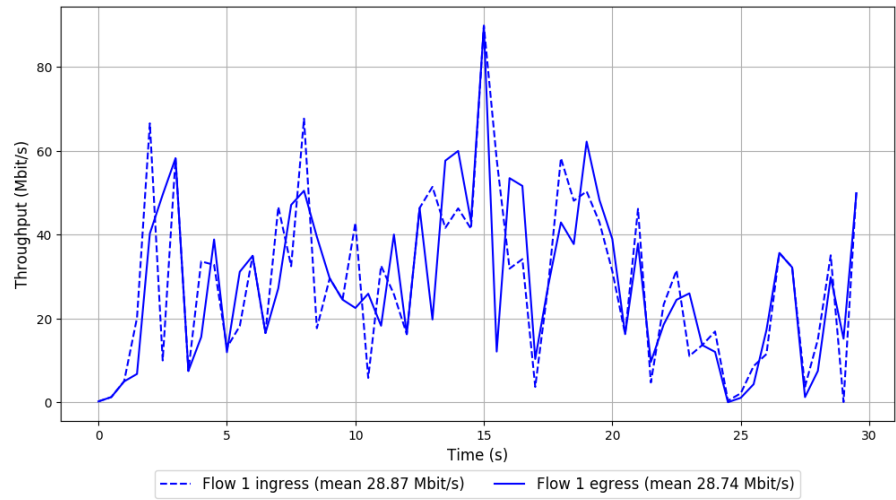
-- Flow 1:

Average throughput: 28.74 Mbit/s

95th percentile per-packet one-way delay: 145.368 ms

Loss rate: 0.46%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2017-09-21 23:00:35

End at: 2017-09-21 23:01:05

Below is generated by plot.py at 2017-09-21 23:53:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.37 Mbit/s

95th percentile per-packet one-way delay: 142.151 ms

Loss rate: 1.26%

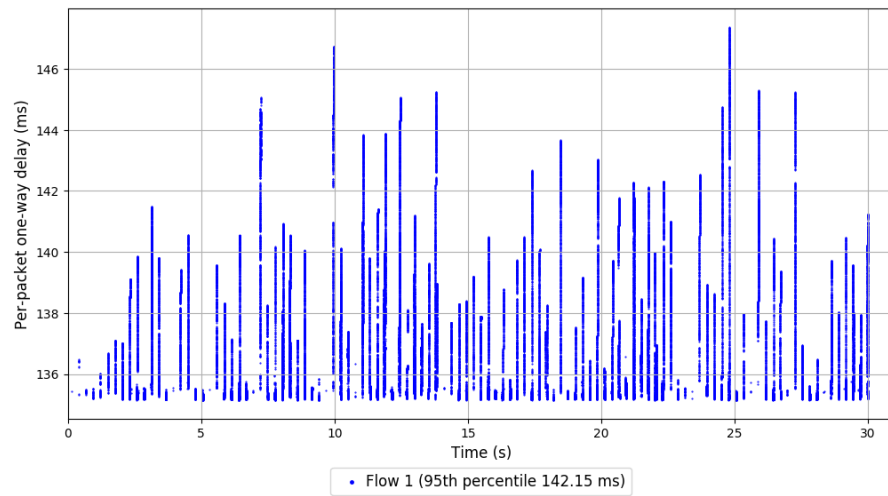
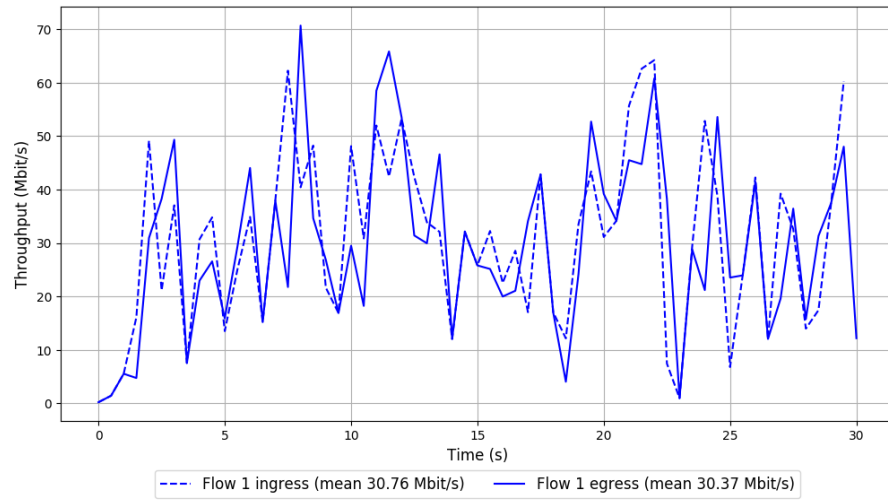
-- Flow 1:

Average throughput: 30.37 Mbit/s

95th percentile per-packet one-way delay: 142.151 ms

Loss rate: 1.26%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2017-09-21 23:11:08

End at: 2017-09-21 23:11:38

Below is generated by plot.py at 2017-09-21 23:54:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 28.69 Mbit/s

95th percentile per-packet one-way delay: 140.144 ms

Loss rate: 1.22%

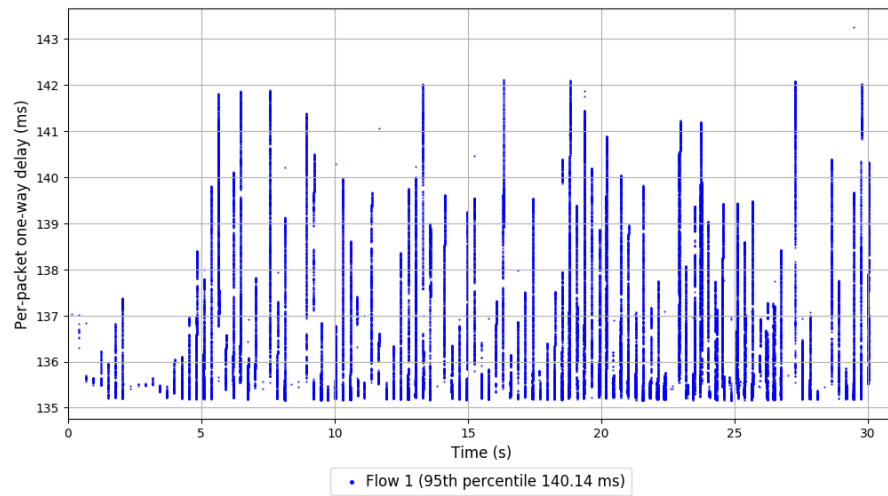
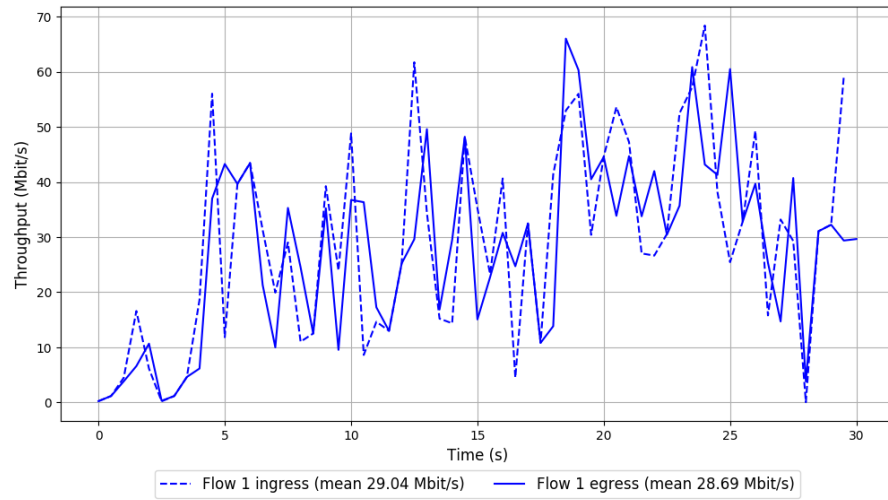
-- Flow 1:

Average throughput: 28.69 Mbit/s

95th percentile per-packet one-way delay: 140.144 ms

Loss rate: 1.22%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2017-09-21 23:21:47

End at: 2017-09-21 23:22:17

Below is generated by plot.py at 2017-09-21 23:54:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 16.33 Mbit/s

95th percentile per-packet one-way delay: 144.403 ms

Loss rate: 1.00%

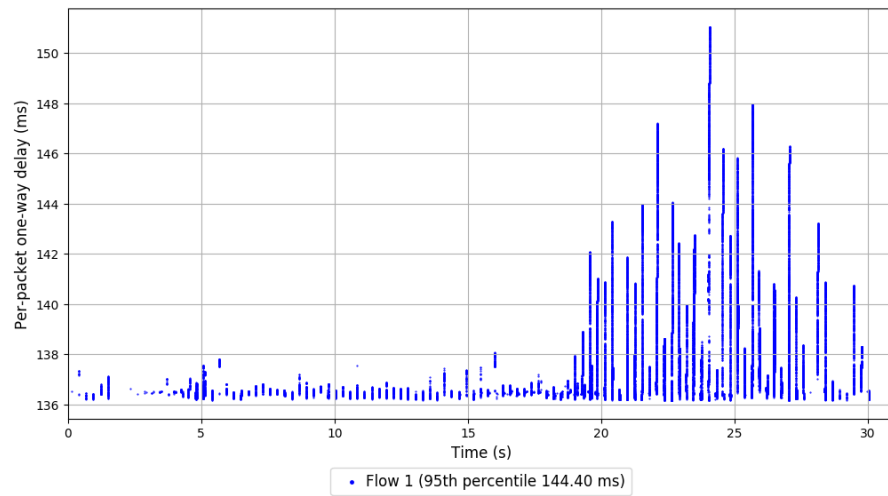
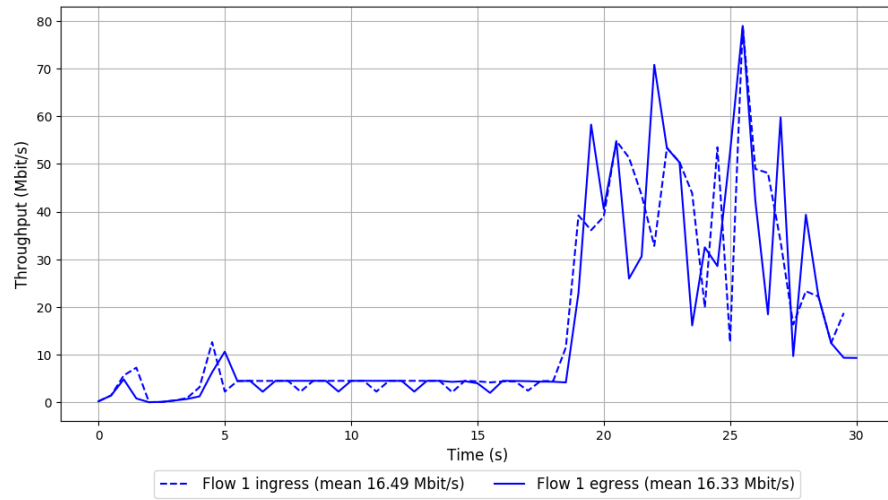
-- Flow 1:

Average throughput: 16.33 Mbit/s

95th percentile per-packet one-way delay: 144.403 ms

Loss rate: 1.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2017-09-21 21:38:04

End at: 2017-09-21 21:38:34

Below is generated by plot.py at 2017-09-21 23:54:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.46 Mbit/s

95th percentile per-packet one-way delay: 136.529 ms

Loss rate: 0.61%

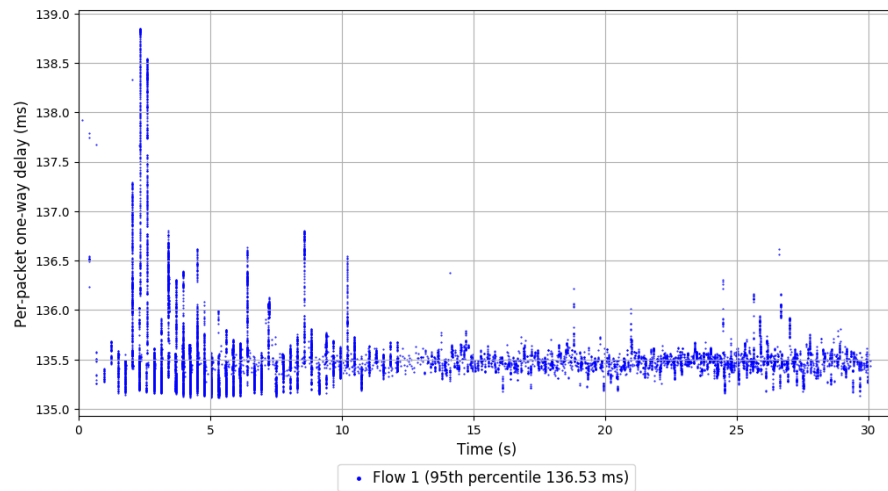
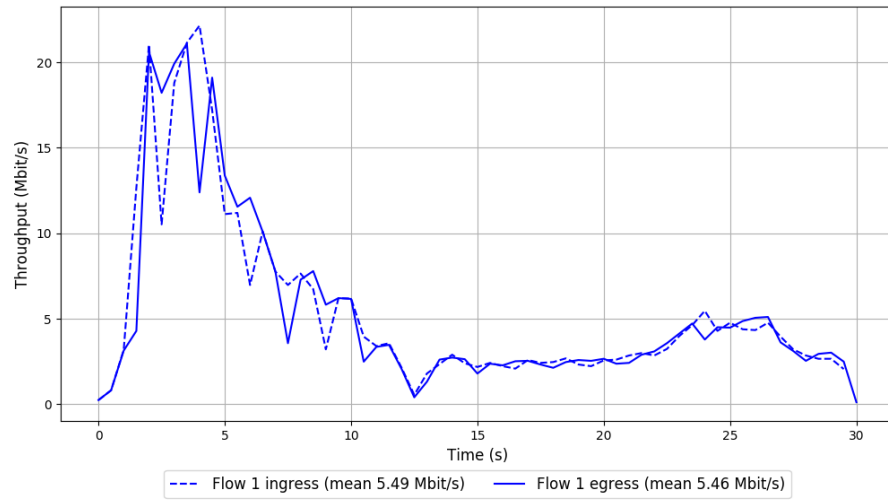
-- Flow 1:

Average throughput: 5.46 Mbit/s

95th percentile per-packet one-way delay: 136.529 ms

Loss rate: 0.61%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2017-09-21 21:49:20

End at: 2017-09-21 21:49:50

Below is generated by plot.py at 2017-09-21 23:54:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.74 Mbit/s

95th percentile per-packet one-way delay: 136.610 ms

Loss rate: 0.11%

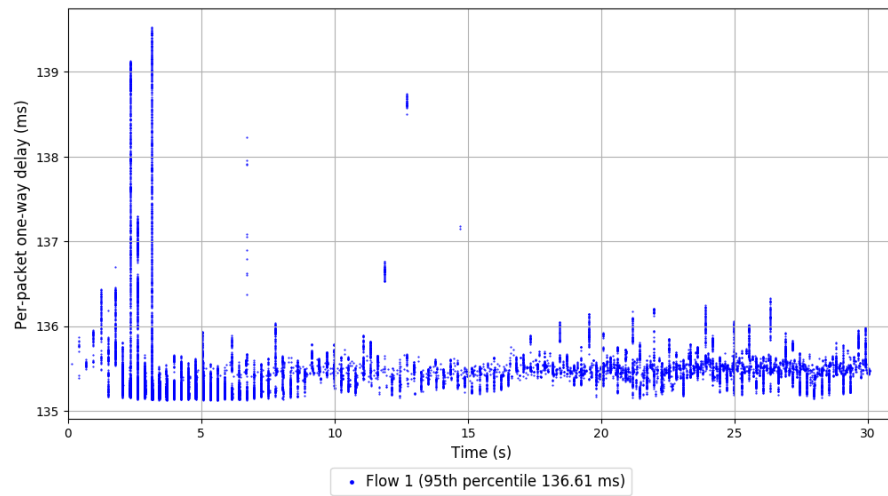
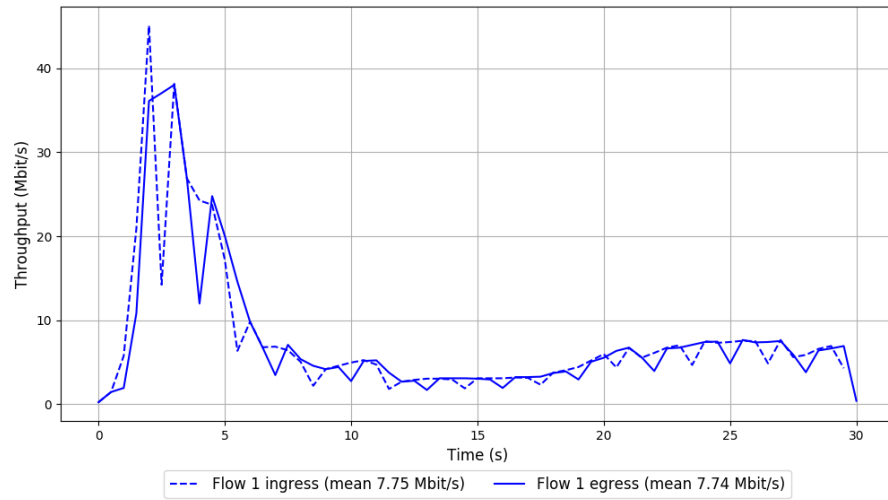
-- Flow 1:

Average throughput: 7.74 Mbit/s

95th percentile per-packet one-way delay: 136.610 ms

Loss rate: 0.11%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2017-09-21 22:00:33

End at: 2017-09-21 22:01:03

Below is generated by plot.py at 2017-09-21 23:54:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.11 Mbit/s

95th percentile per-packet one-way delay: 137.881 ms

Loss rate: 0.36%

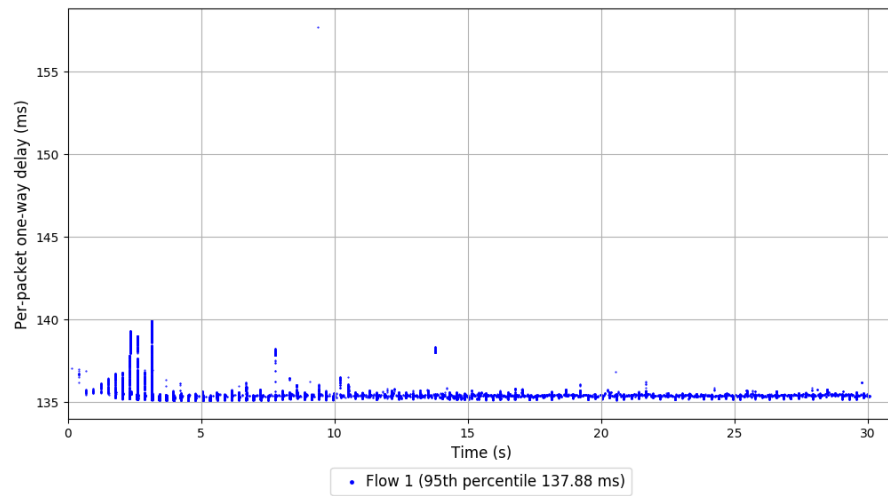
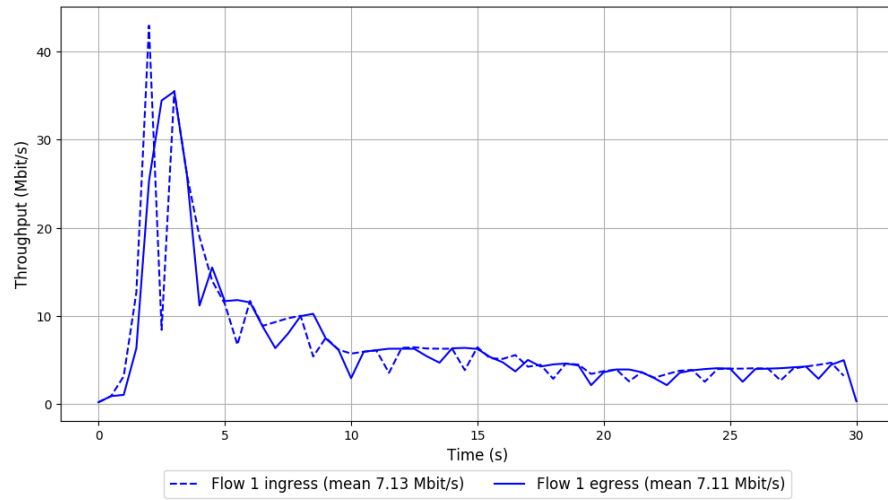
-- Flow 1:

Average throughput: 7.11 Mbit/s

95th percentile per-packet one-way delay: 137.881 ms

Loss rate: 0.36%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2017-09-21 22:11:51

End at: 2017-09-21 22:12:21

Below is generated by plot.py at 2017-09-21 23:54:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.66 Mbit/s

95th percentile per-packet one-way delay: 136.242 ms

Loss rate: 0.55%

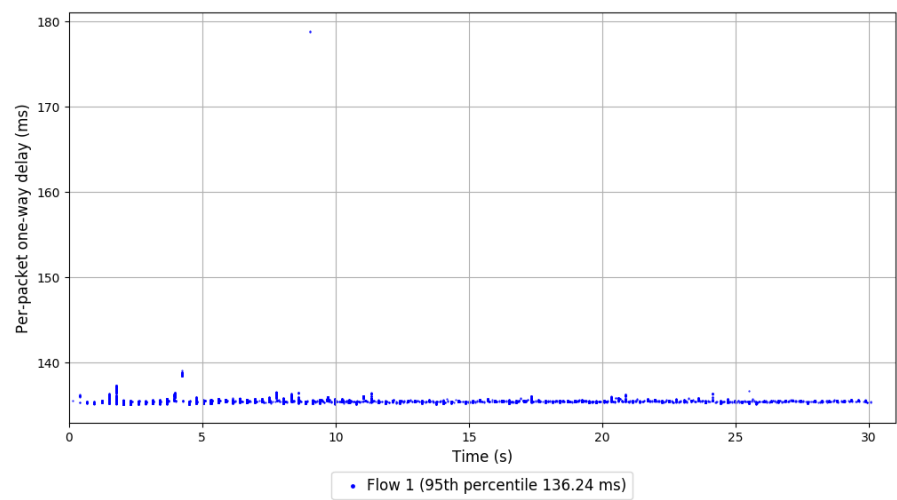
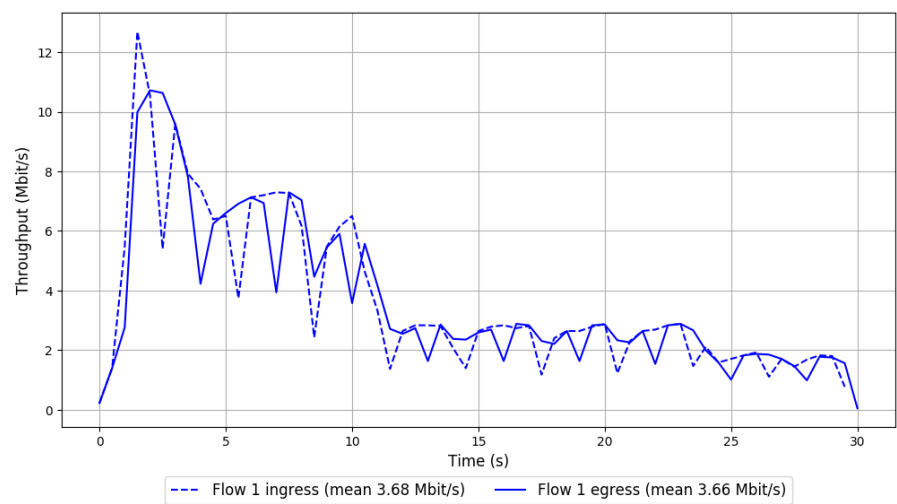
-- Flow 1:

Average throughput: 3.66 Mbit/s

95th percentile per-packet one-way delay: 136.242 ms

Loss rate: 0.55%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2017-09-21 22:22:46

End at: 2017-09-21 22:23:16

Below is generated by plot.py at 2017-09-21 23:54:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.83 Mbit/s

95th percentile per-packet one-way delay: 135.765 ms

Loss rate: 0.14%

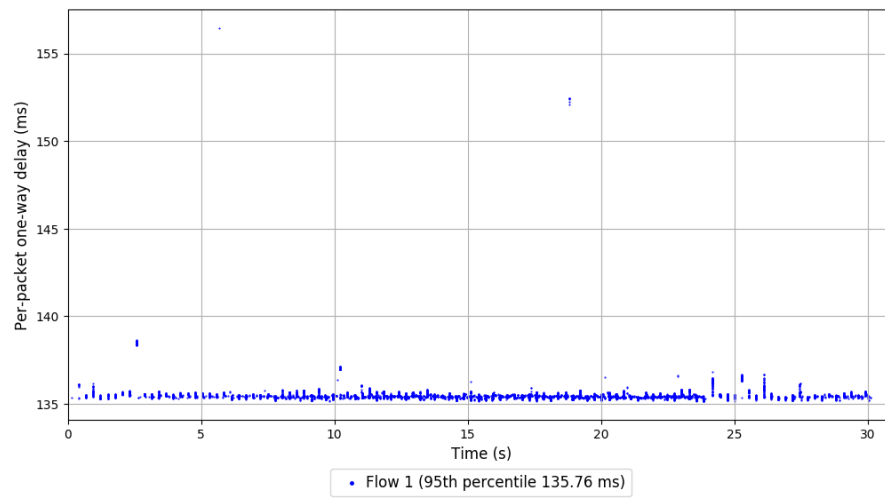
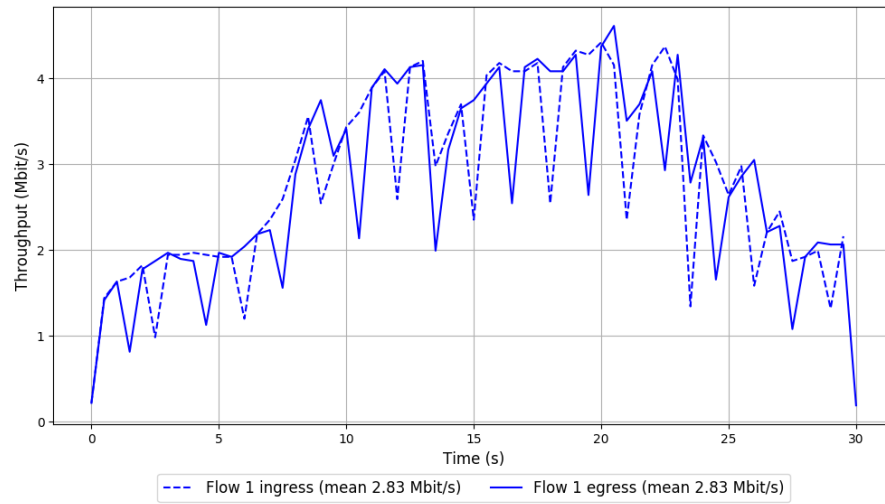
-- Flow 1:

Average throughput: 2.83 Mbit/s

95th percentile per-packet one-way delay: 135.765 ms

Loss rate: 0.14%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2017-09-21 22:34:08

End at: 2017-09-21 22:34:38

Below is generated by plot.py at 2017-09-21 23:54:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.22 Mbit/s

95th percentile per-packet one-way delay: 135.833 ms

Loss rate: 2.52%

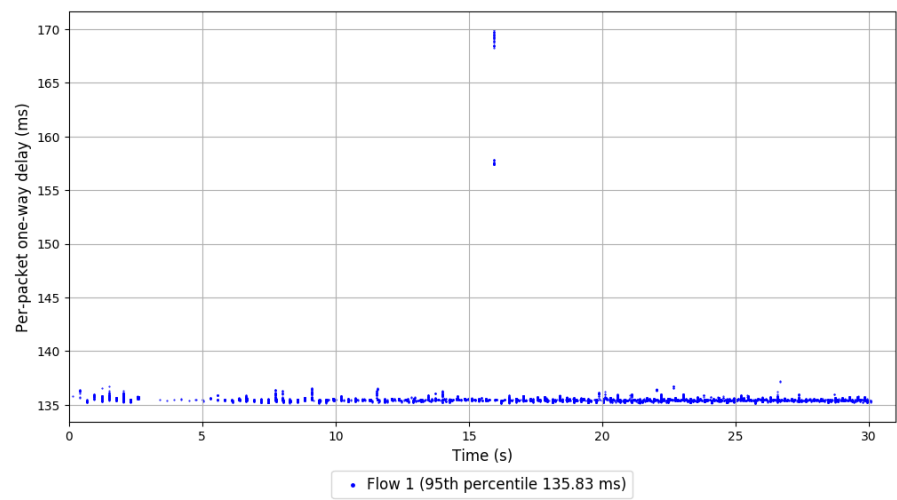
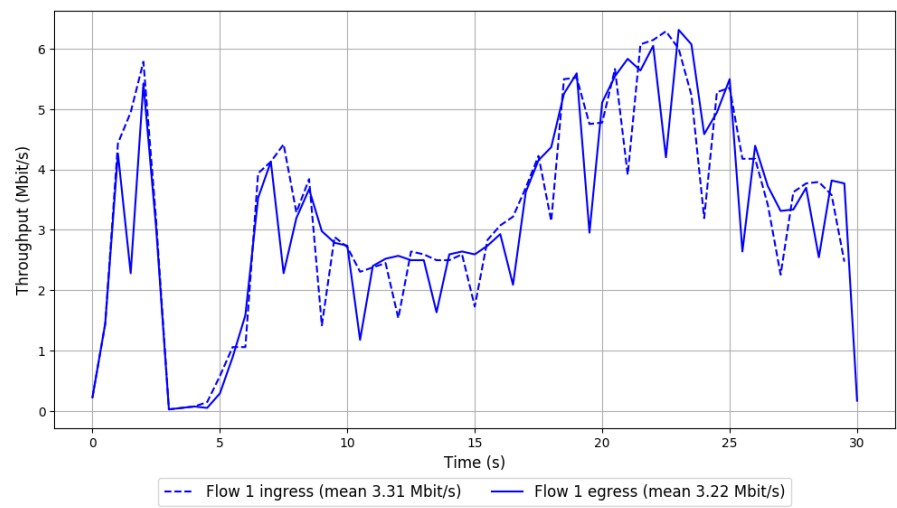
-- Flow 1:

Average throughput: 3.22 Mbit/s

95th percentile per-packet one-way delay: 135.833 ms

Loss rate: 2.52%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2017-09-21 22:45:29

End at: 2017-09-21 22:45:59

Below is generated by plot.py at 2017-09-21 23:54:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 135.894 ms

Loss rate: 1.69%

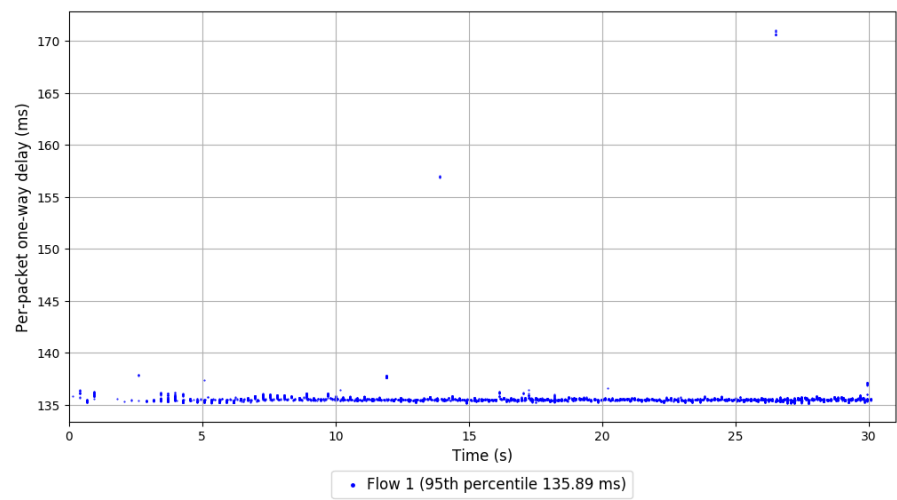
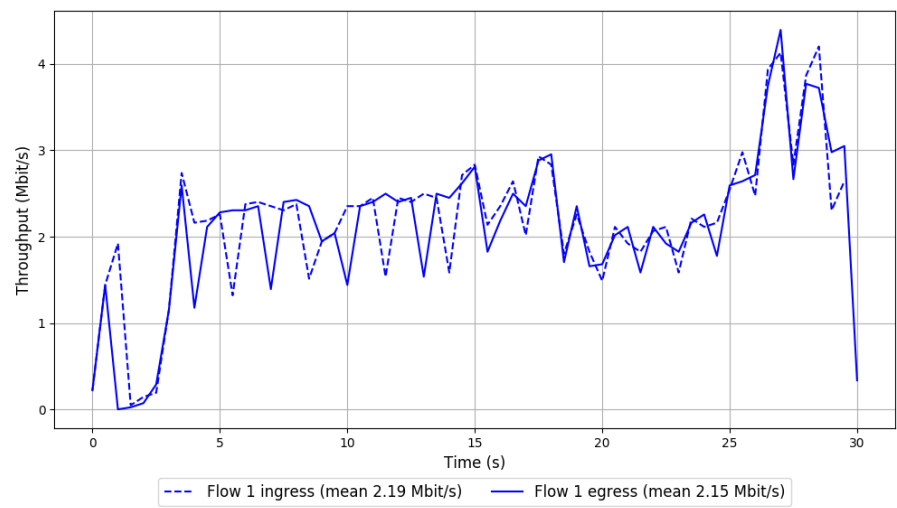
-- Flow 1:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 135.894 ms

Loss rate: 1.69%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2017-09-21 22:56:55

End at: 2017-09-21 22:57:25

Below is generated by plot.py at 2017-09-21 23:54:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.83 Mbit/s

95th percentile per-packet one-way delay: 136.711 ms

Loss rate: 0.15%

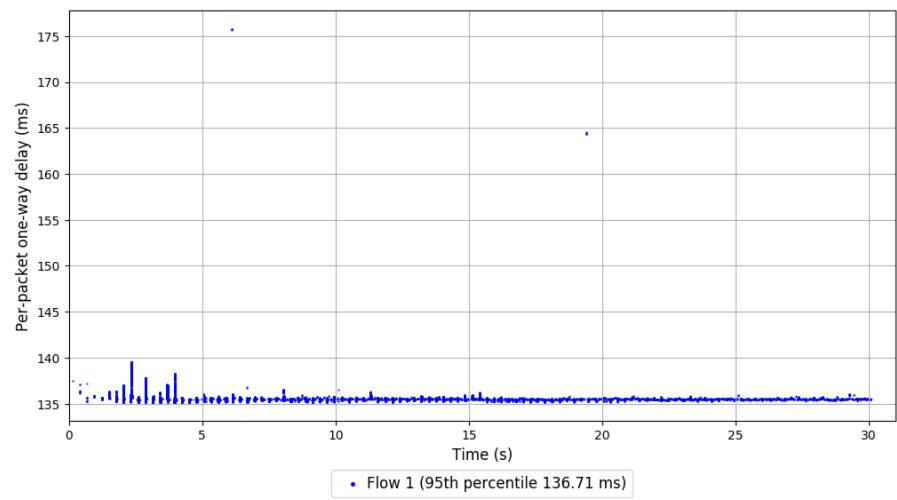
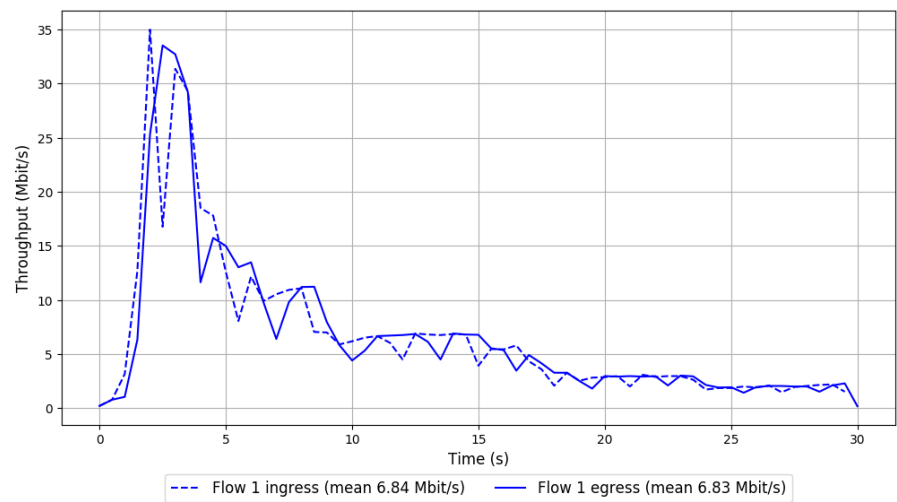
-- Flow 1:

Average throughput: 6.83 Mbit/s

95th percentile per-packet one-way delay: 136.711 ms

Loss rate: 0.15%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2017-09-21 23:07:26

End at: 2017-09-21 23:07:56

Below is generated by plot.py at 2017-09-21 23:54:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.10 Mbit/s

95th percentile per-packet one-way delay: 135.766 ms

Loss rate: 0.34%

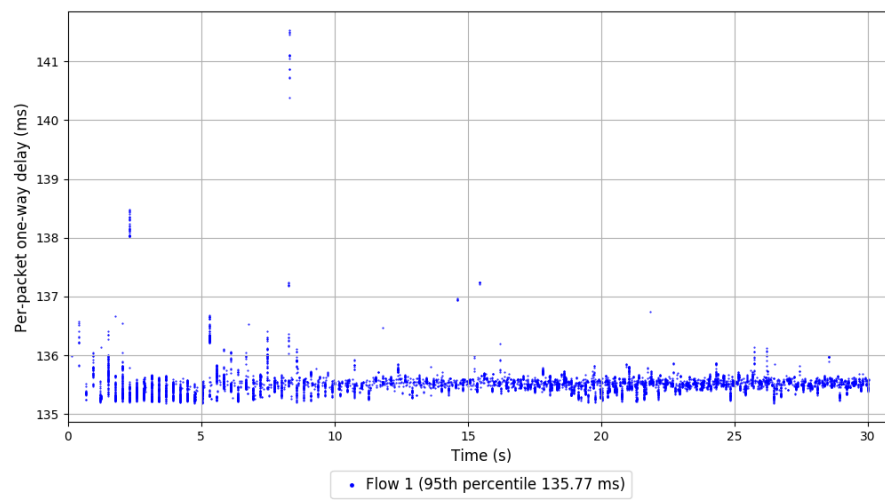
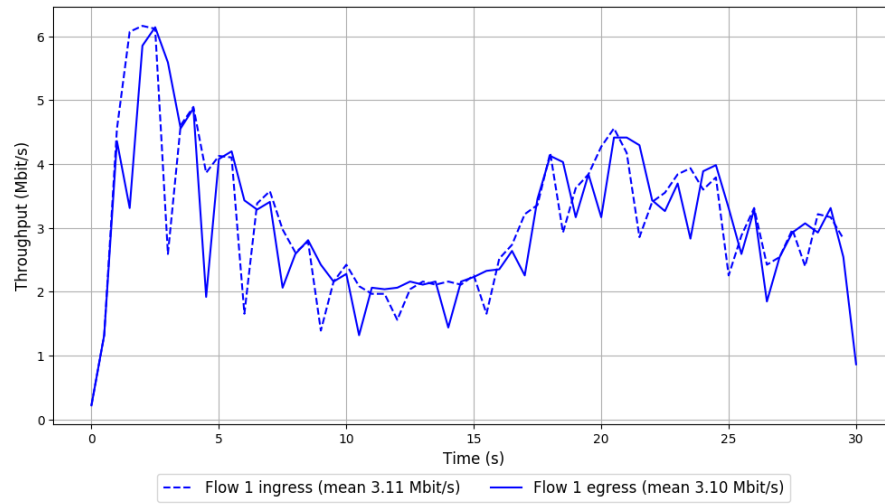
-- Flow 1:

Average throughput: 3.10 Mbit/s

95th percentile per-packet one-way delay: 135.766 ms

Loss rate: 0.34%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2017-09-21 23:18:01

End at: 2017-09-21 23:18:31

Below is generated by plot.py at 2017-09-21 23:54:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.91 Mbit/s

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

Loss rate: 0.15%

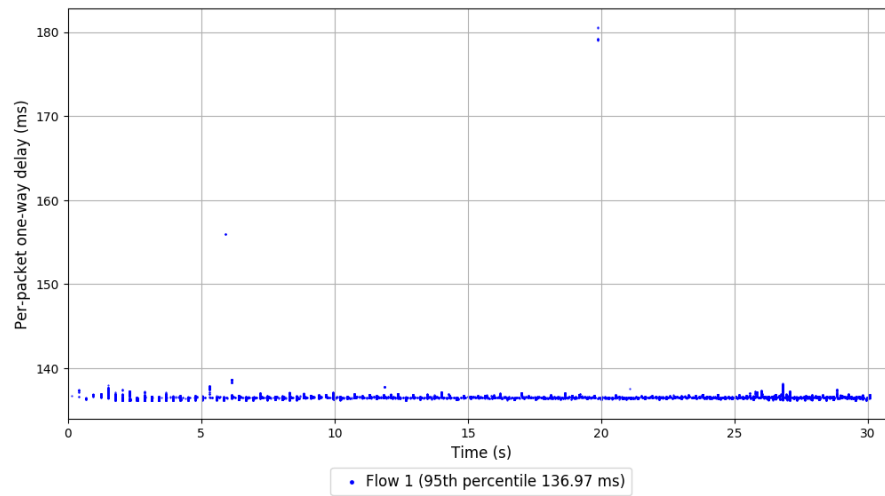
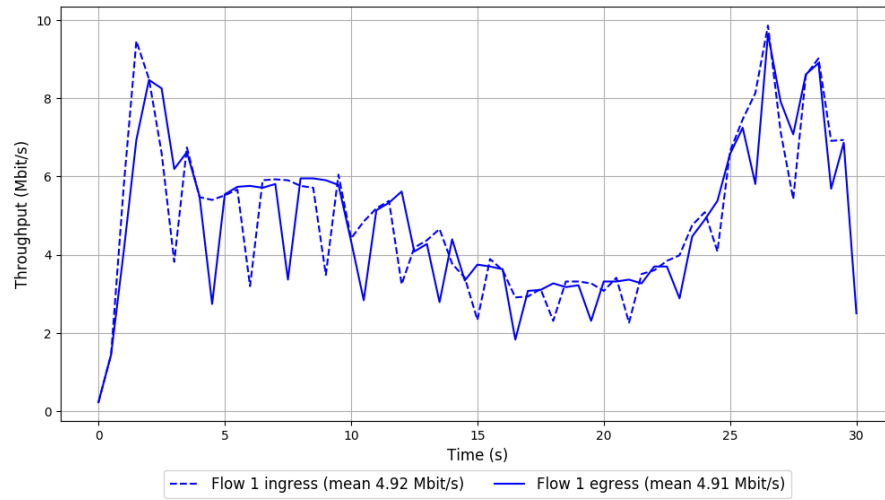
-- Flow 1:

Average throughput: 4.91 Mbit/s

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

Loss rate: 0.15%

Run 10: Report of TCP Cubic — Data Link

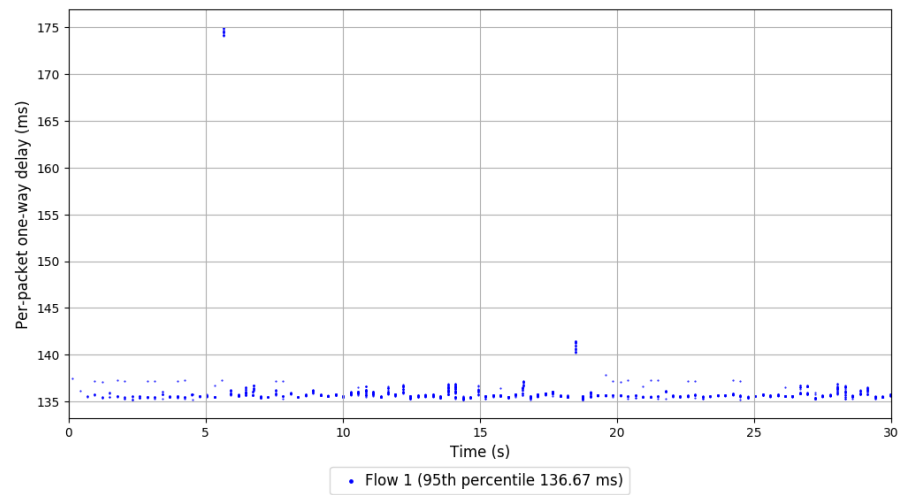
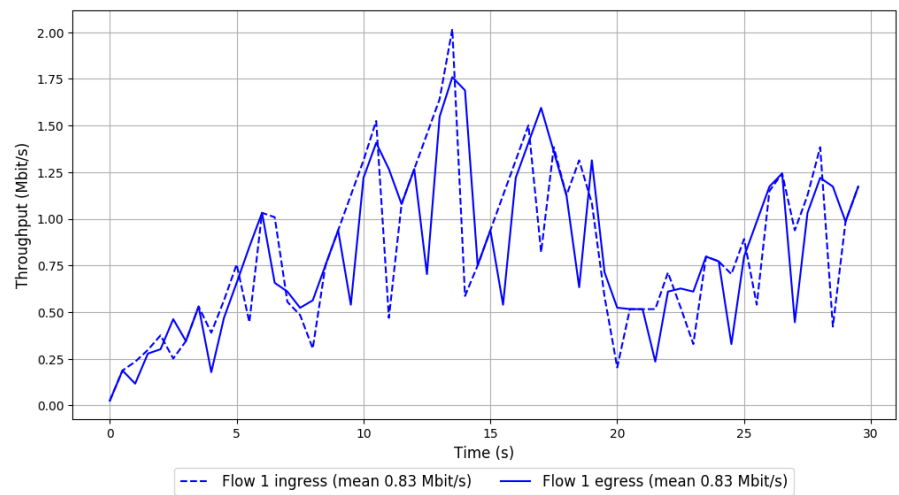


```
Run 1: Statistics of LEDBAT

Start at: 2017-09-21 21:34:55
End at: 2017-09-21 21:35:25

# Below is generated by plot.py at 2017-09-21 23:54:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.83 Mbit/s
95th percentile per-packet one-way delay: 136.672 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 0.83 Mbit/s
95th percentile per-packet one-way delay: 136.672 ms
Loss rate: 0.05%
```


Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2017-09-21 21:45:48

End at: 2017-09-21 21:46:18

Below is generated by plot.py at 2017-09-21 23:54:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.77 Mbit/s

95th percentile per-packet one-way delay: 136.118 ms

Loss rate: 0.10%

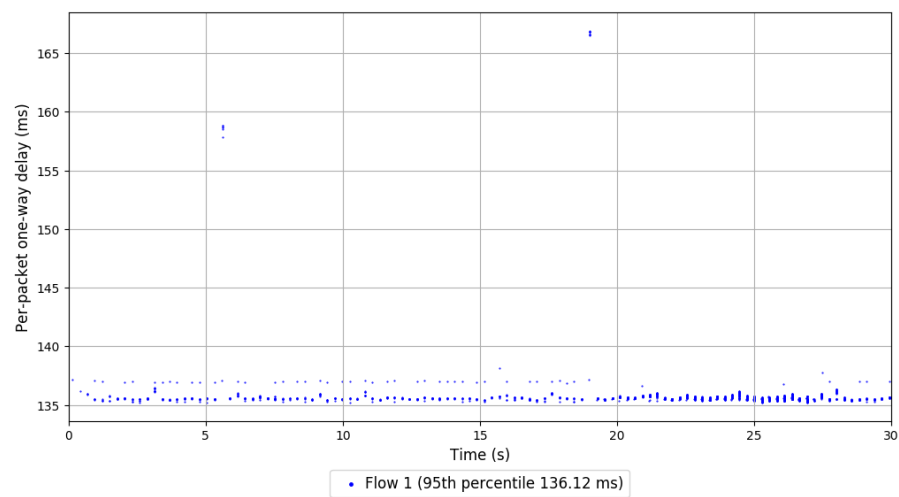
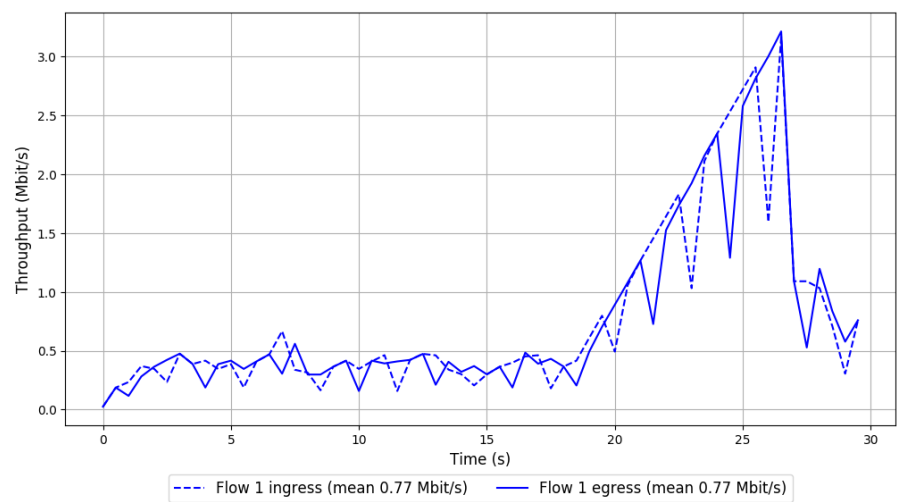
-- Flow 1:

Average throughput: 0.77 Mbit/s

95th percentile per-packet one-way delay: 136.118 ms

Loss rate: 0.10%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2017-09-21 21:57:05

End at: 2017-09-21 21:57:35

Below is generated by plot.py at 2017-09-21 23:54:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.10 Mbit/s

95th percentile per-packet one-way delay: 136.355 ms

Loss rate: 0.18%

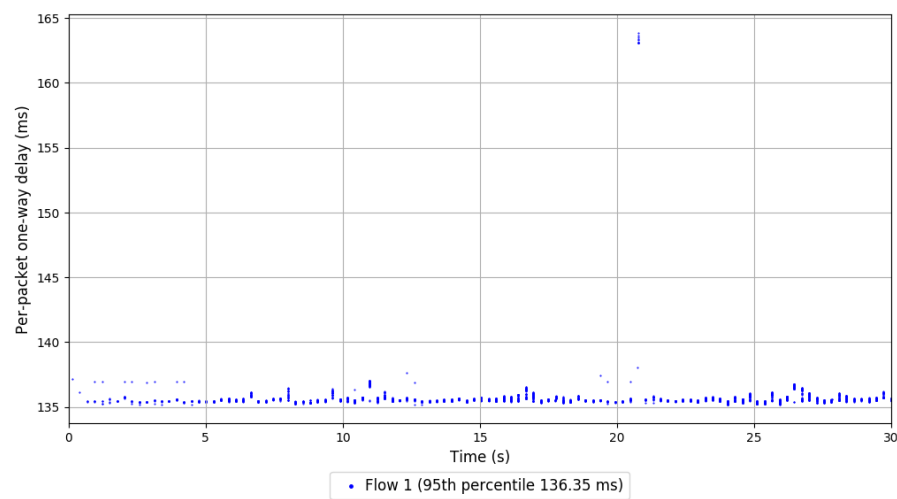
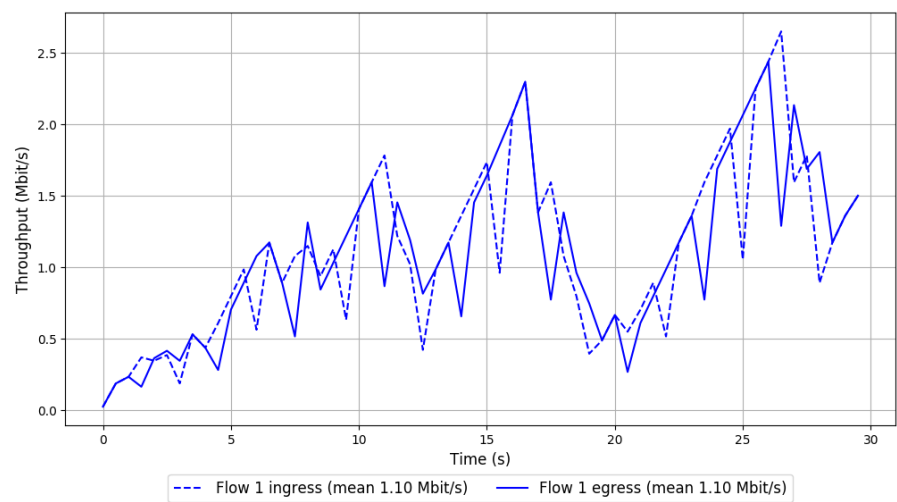
-- Flow 1:

Average throughput: 1.10 Mbit/s

95th percentile per-packet one-way delay: 136.355 ms

Loss rate: 0.18%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2017-09-21 22:08:18

End at: 2017-09-21 22:08:48

Below is generated by plot.py at 2017-09-21 23:54:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.03 Mbit/s

95th percentile per-packet one-way delay: 136.591 ms

Loss rate: 0.19%

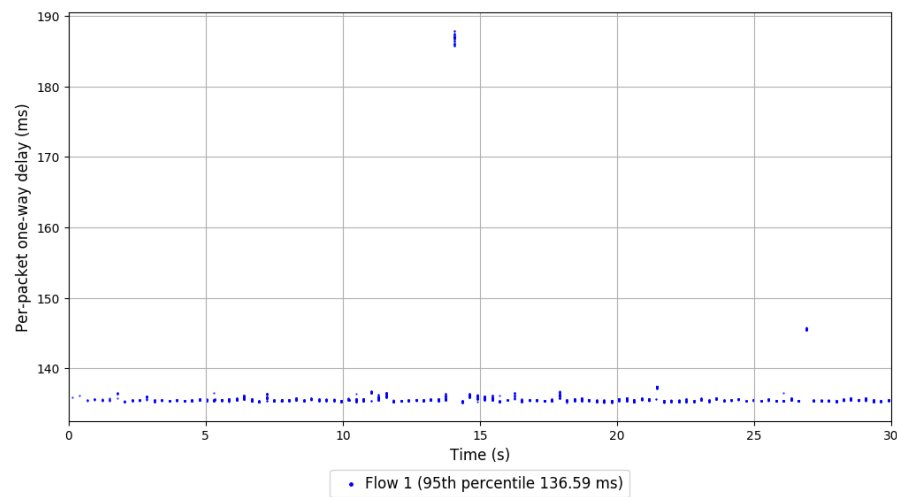
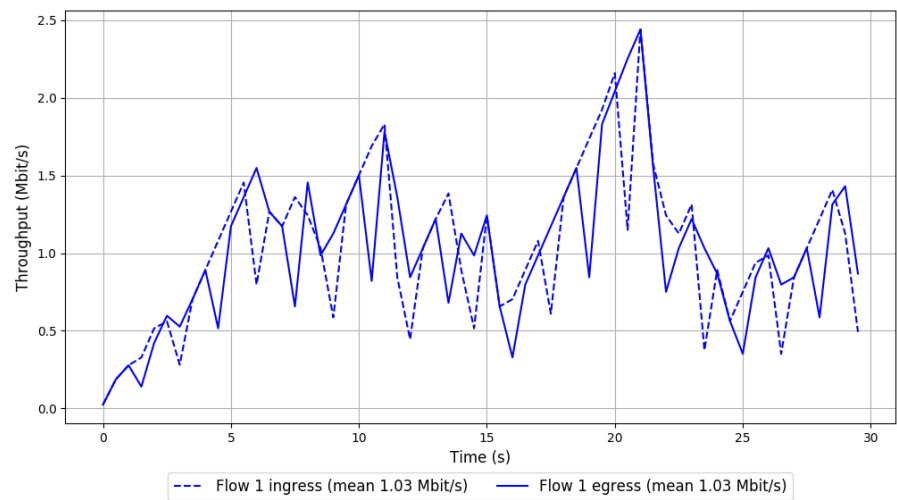
-- Flow 1:

Average throughput: 1.03 Mbit/s

95th percentile per-packet one-way delay: 136.591 ms

Loss rate: 0.19%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2017-09-21 22:19:56

End at: 2017-09-21 22:20:26

Below is generated by plot.py at 2017-09-21 23:54:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.18 Mbit/s

95th percentile per-packet one-way delay: 136.620 ms

Loss rate: 0.37%

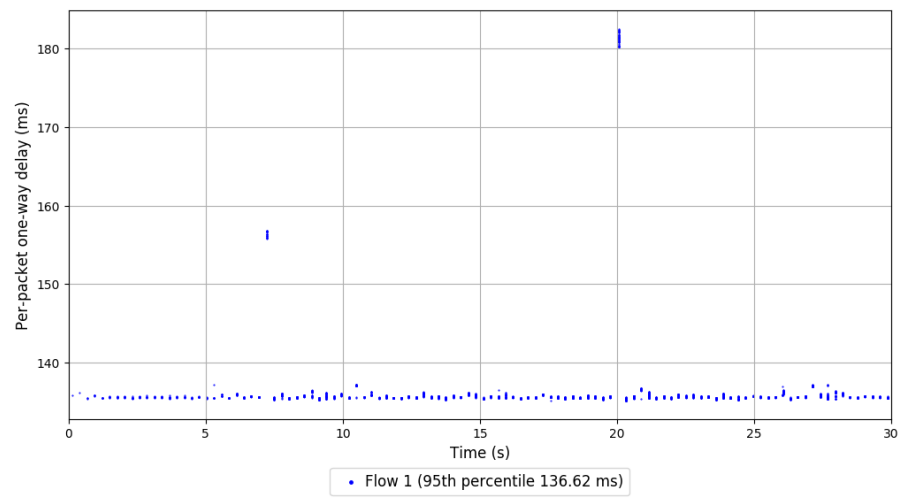
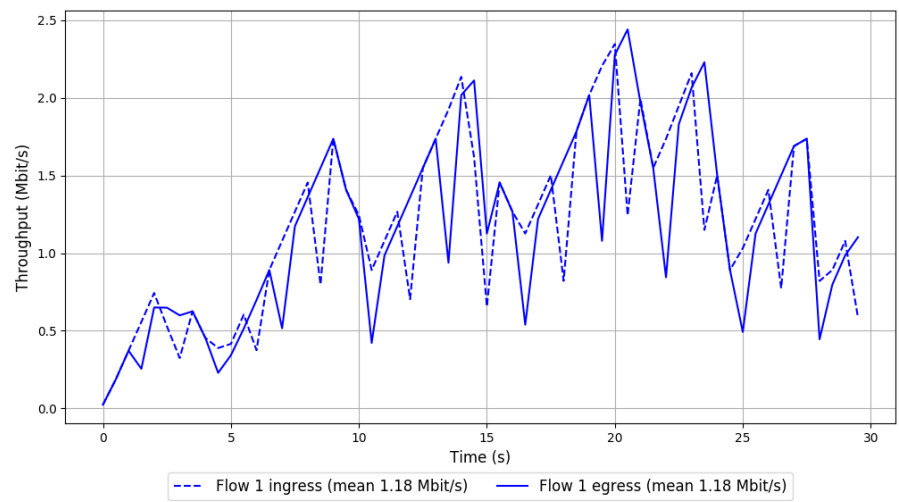
-- Flow 1:

Average throughput: 1.18 Mbit/s

95th percentile per-packet one-way delay: 136.620 ms

Loss rate: 0.37%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2017-09-21 22:30:46

End at: 2017-09-21 22:31:16

Below is generated by plot.py at 2017-09-21 23:54:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.96 Mbit/s

95th percentile per-packet one-way delay: 136.246 ms

Loss rate: 0.93%

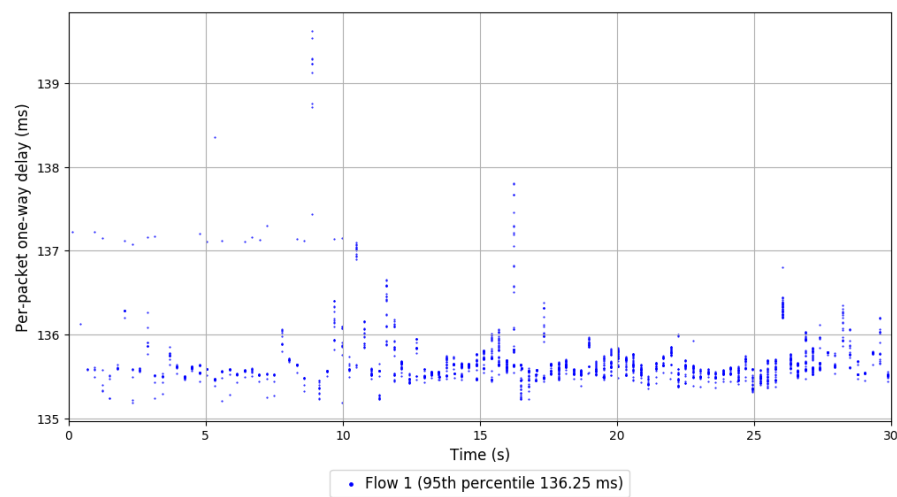
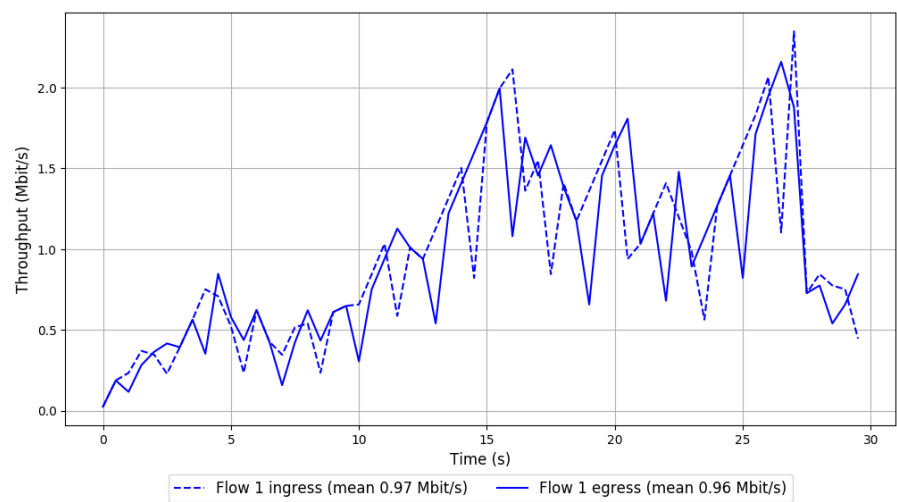
-- Flow 1:

Average throughput: 0.96 Mbit/s

95th percentile per-packet one-way delay: 136.246 ms

Loss rate: 0.93%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2017-09-21 22:41:51

End at: 2017-09-21 22:42:21

Below is generated by plot.py at 2017-09-21 23:54:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 136.144 ms

Loss rate: 0.00%

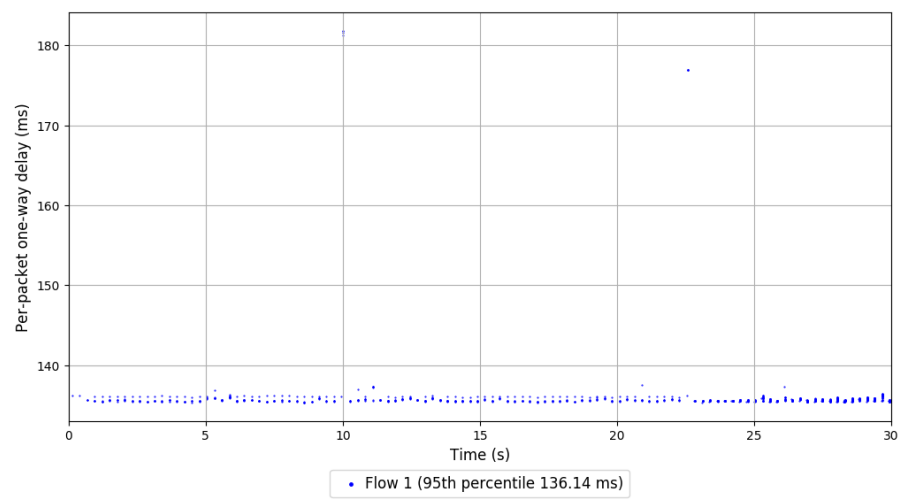
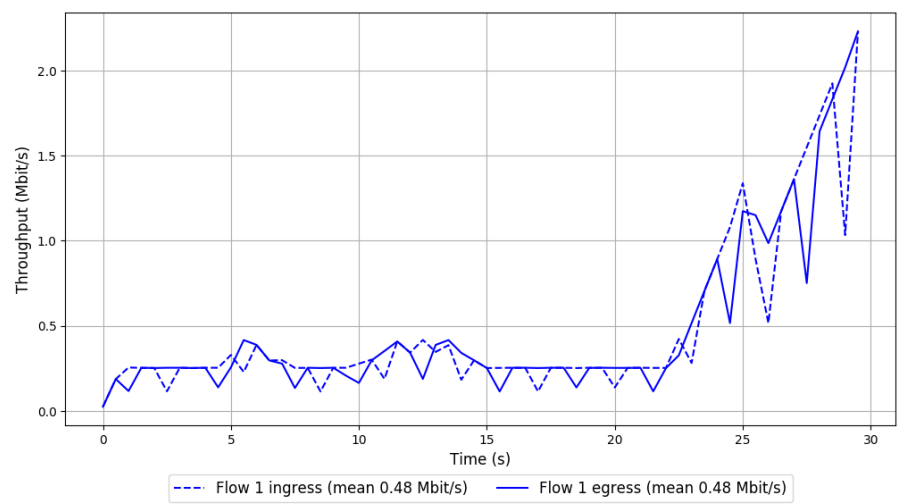
-- Flow 1:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 136.144 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2017-09-21 22:53:18

End at: 2017-09-21 22:53:48

Below is generated by plot.py at 2017-09-21 23:54:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 136.183 ms

Loss rate: 0.00%

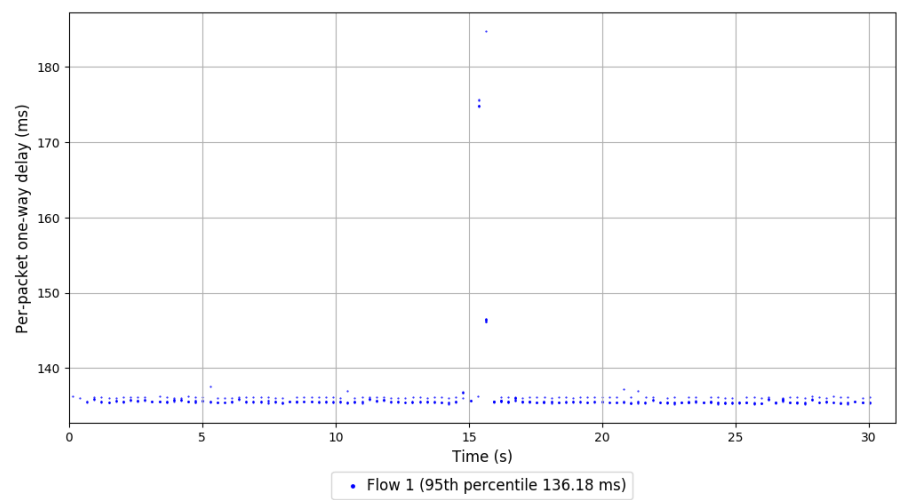
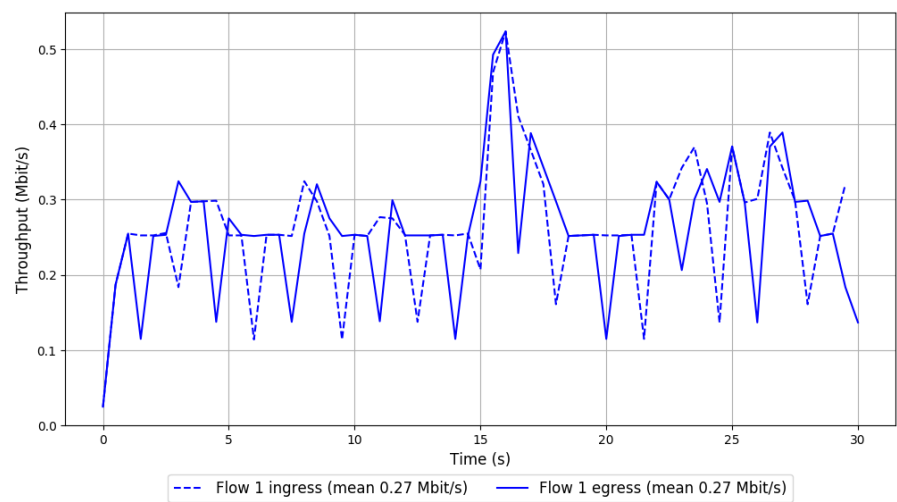
-- Flow 1:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 136.183 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2017-09-21 23:04:35

End at: 2017-09-21 23:05:05

Below is generated by plot.py at 2017-09-21 23:54:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.78 Mbit/s

95th percentile per-packet one-way delay: 136.387 ms

Loss rate: 0.10%

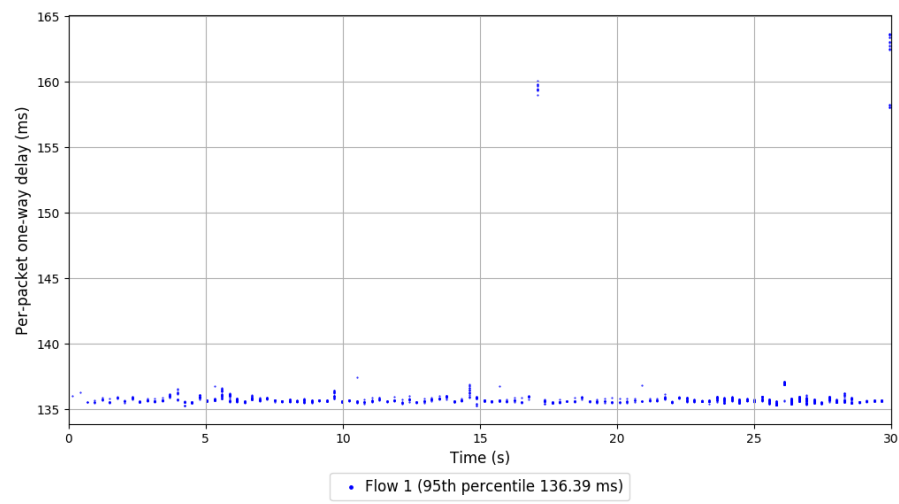
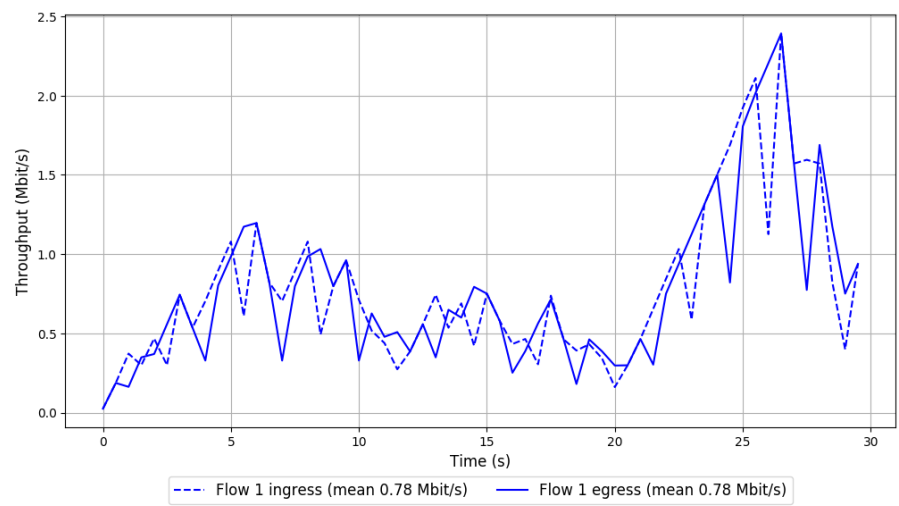
-- Flow 1:

Average throughput: 0.78 Mbit/s

95th percentile per-packet one-way delay: 136.387 ms

Loss rate: 0.10%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2017-09-21 23:15:09

End at: 2017-09-21 23:15:39

Below is generated by plot.py at 2017-09-21 23:54:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.09 Mbit/s

95th percentile per-packet one-way delay: 137.437 ms

Loss rate: 0.50%

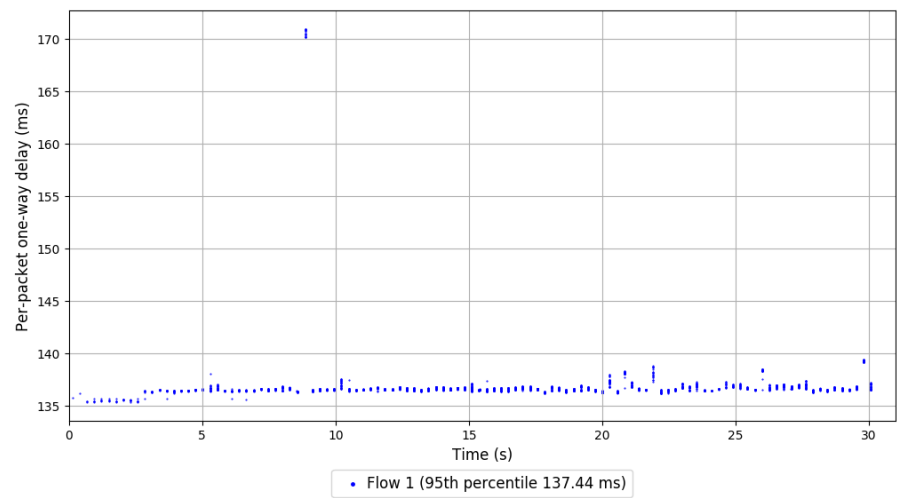
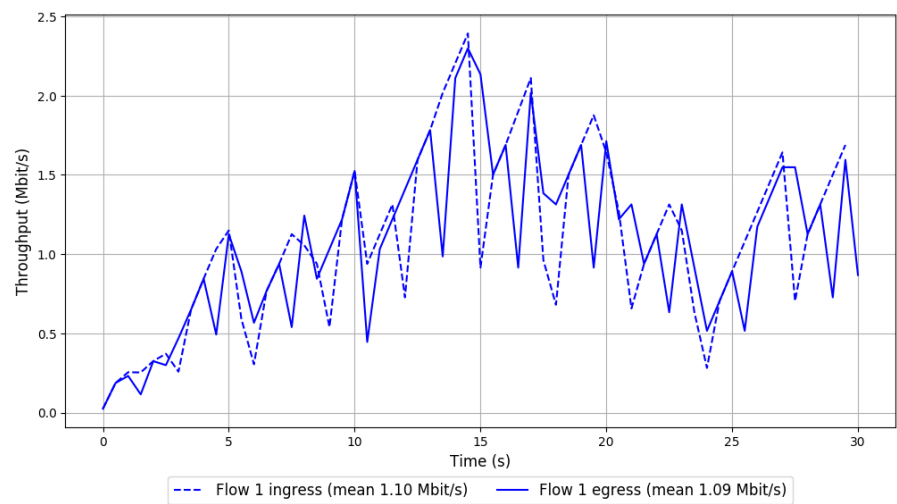
-- Flow 1:

Average throughput: 1.09 Mbit/s

95th percentile per-packet one-way delay: 137.437 ms

Loss rate: 0.50%

Run 10: Report of LEDBAT — Data Link

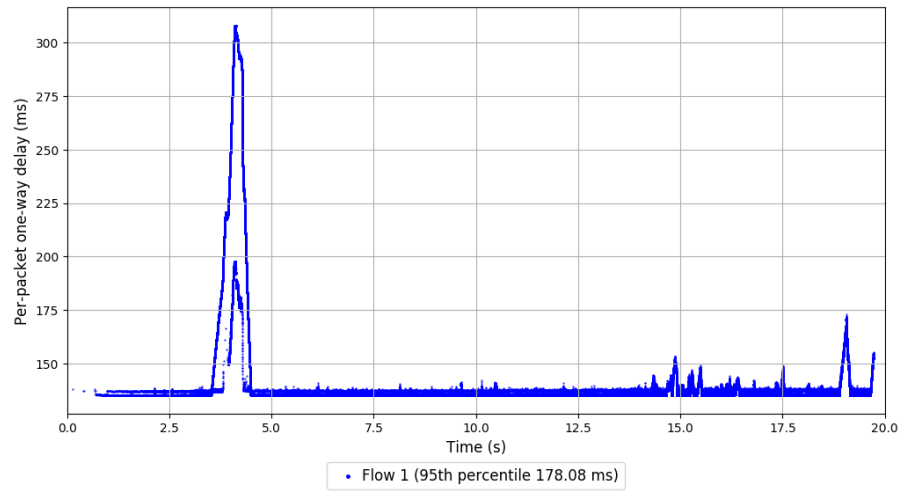
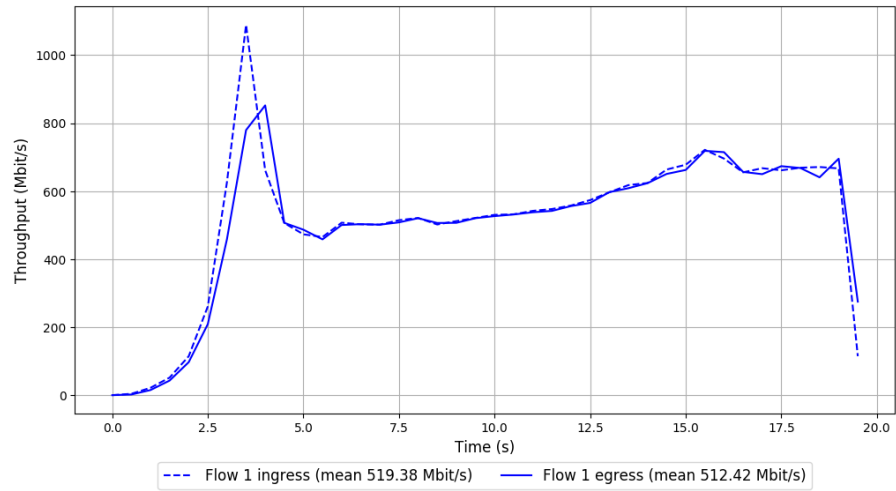


Run 1: Statistics of PCC

Start at: 2017-09-21 21:37:05

End at: 2017-09-21 21:37:35

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2017-09-21 21:48:18

End at: 2017-09-21 21:48:48

Below is generated by plot.py at 2017-09-22 00:02:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 416.29 Mbit/s

95th percentile per-packet one-way delay: 171.708 ms

Loss rate: 1.32%

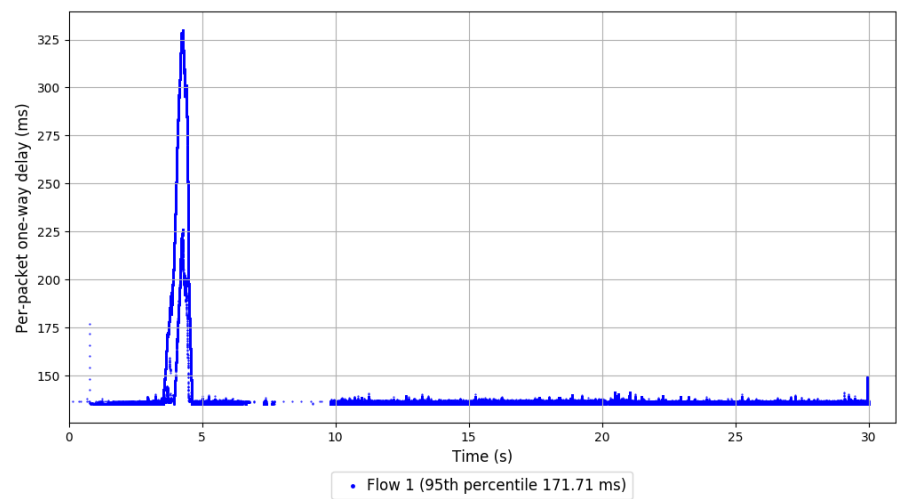
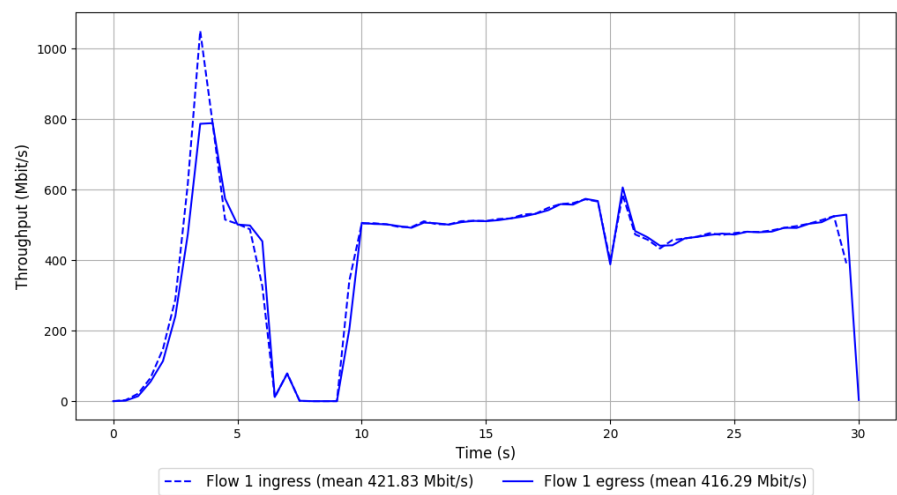
-- Flow 1:

Average throughput: 416.29 Mbit/s

95th percentile per-packet one-way delay: 171.708 ms

Loss rate: 1.32%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2017-09-21 21:59:27

End at: 2017-09-21 21:59:57

Below is generated by plot.py at 2017-09-22 00:03:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 493.66 Mbit/s

95th percentile per-packet one-way delay: 145.294 ms

Loss rate: 0.82%

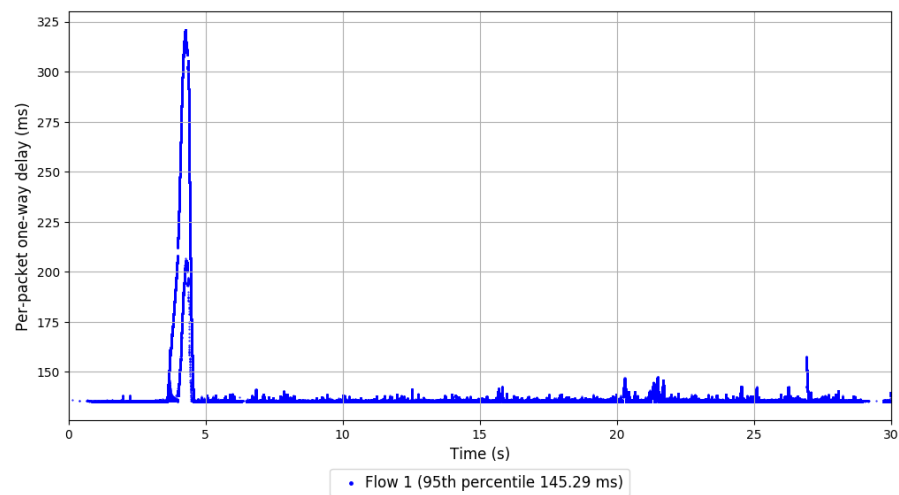
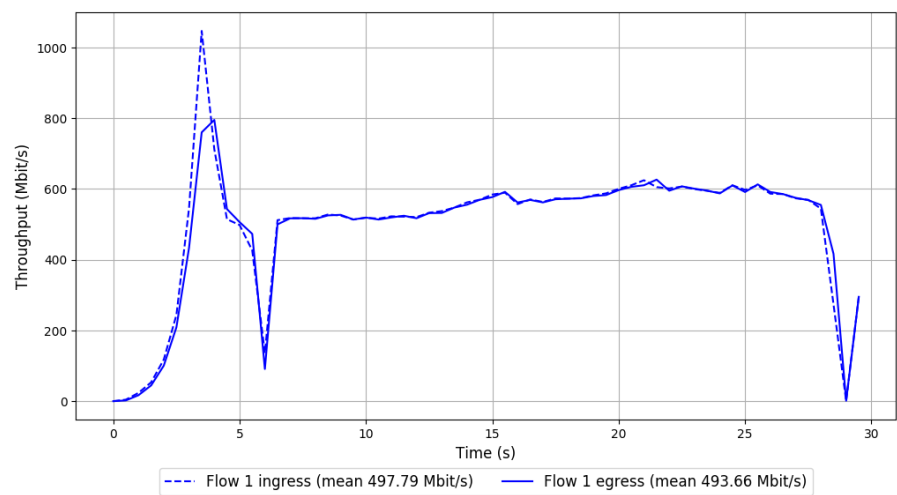
-- Flow 1:

Average throughput: 493.66 Mbit/s

95th percentile per-packet one-way delay: 145.294 ms

Loss rate: 0.82%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2017-09-21 22:10:47

End at: 2017-09-21 22:11:17

Below is generated by plot.py at 2017-09-22 00:03:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 451.35 Mbit/s

95th percentile per-packet one-way delay: 154.625 ms

Loss rate: 1.48%

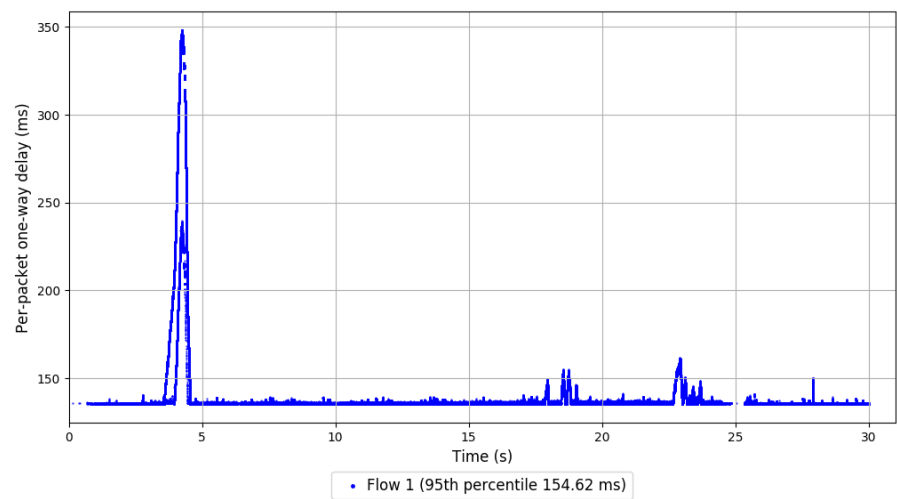
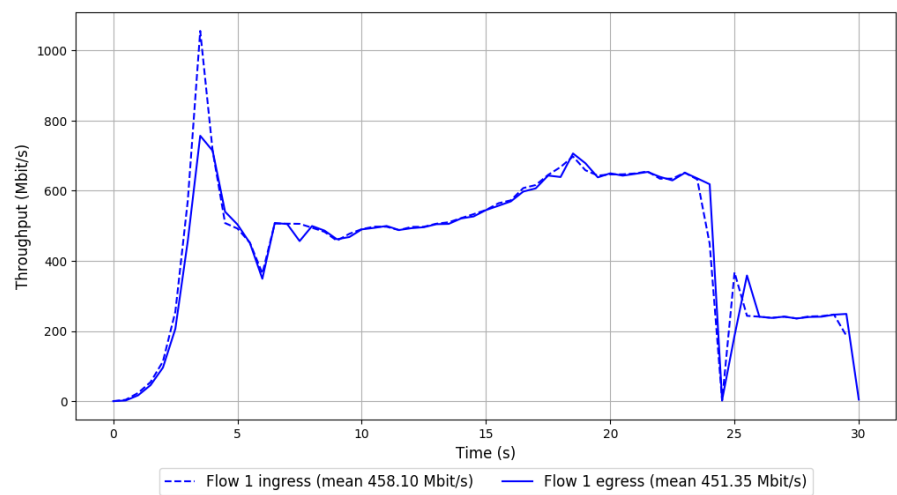
-- Flow 1:

Average throughput: 451.35 Mbit/s

95th percentile per-packet one-way delay: 154.625 ms

Loss rate: 1.48%

Run 4: Report of PCC — Data Link

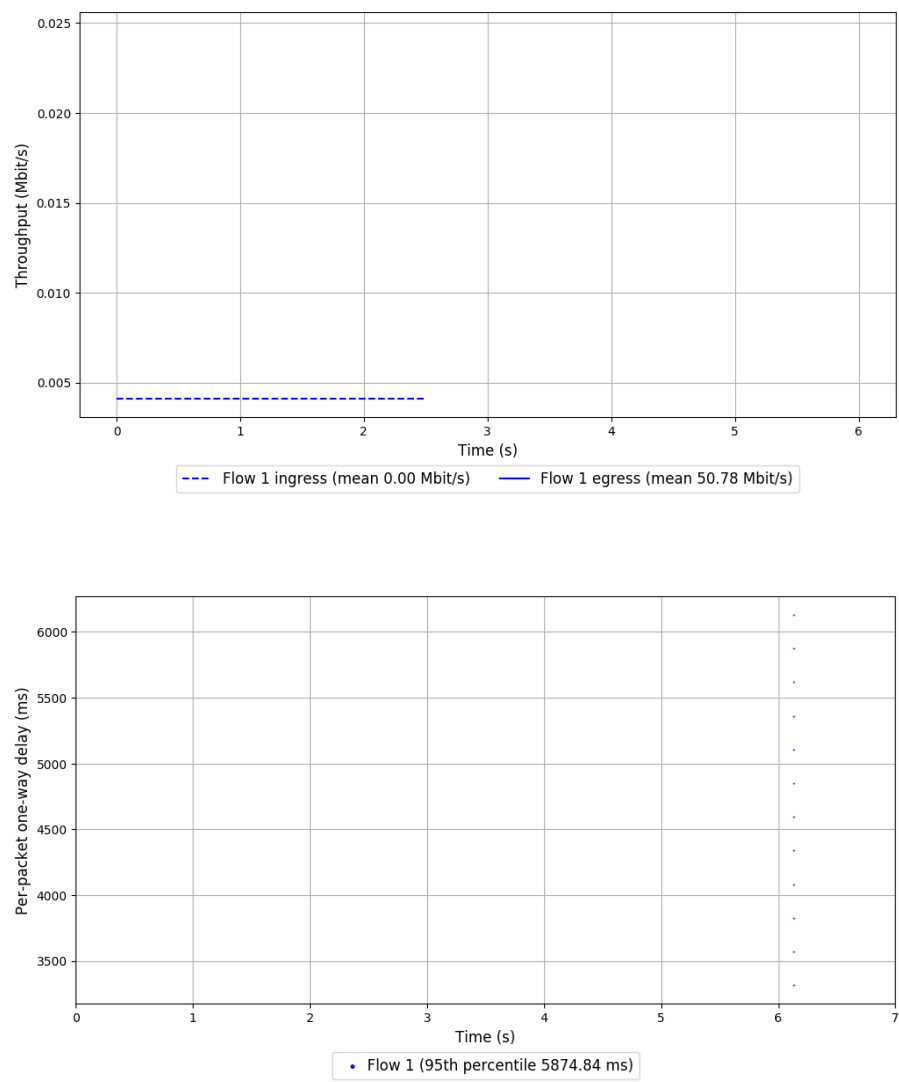


Run 5: Statistics of PCC

Start at: 2017-09-21 22:22:05

End at: 2017-09-21 22:22:35

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2017-09-21 22:33:05

End at: 2017-09-21 22:33:35

Below is generated by plot.py at 2017-09-22 00:03:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 447.23 Mbit/s

95th percentile per-packet one-way delay: 160.242 ms

Loss rate: 0.96%

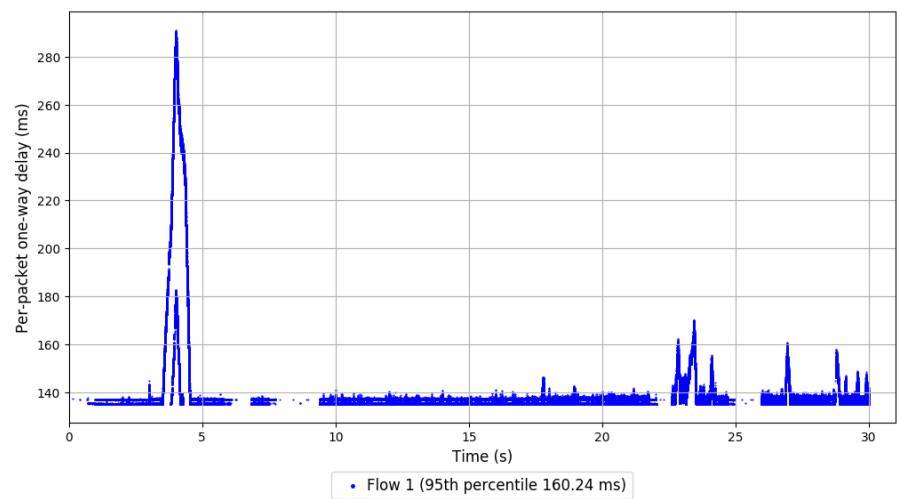
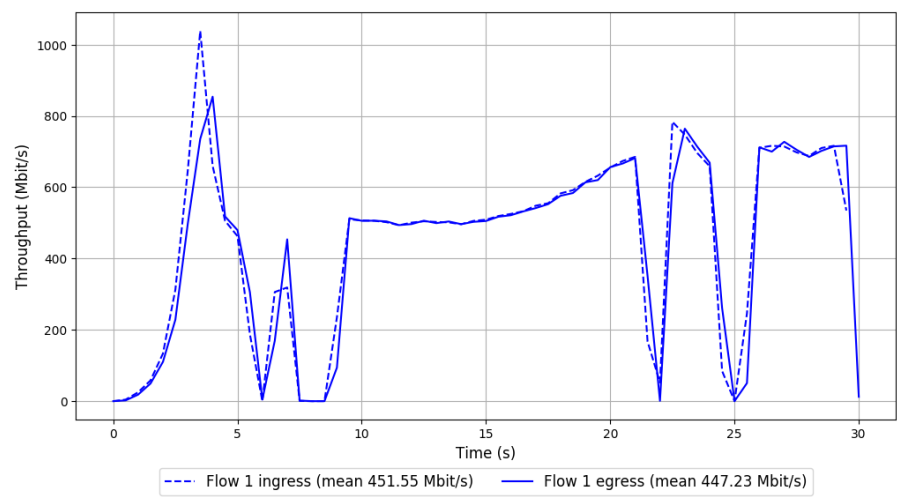
-- Flow 1:

Average throughput: 447.23 Mbit/s

95th percentile per-packet one-way delay: 160.242 ms

Loss rate: 0.96%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2017-09-21 22:44:20

End at: 2017-09-21 22:44:50

Below is generated by plot.py at 2017-09-22 00:04:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 566.19 Mbit/s

95th percentile per-packet one-way delay: 162.359 ms

Loss rate: 0.68%

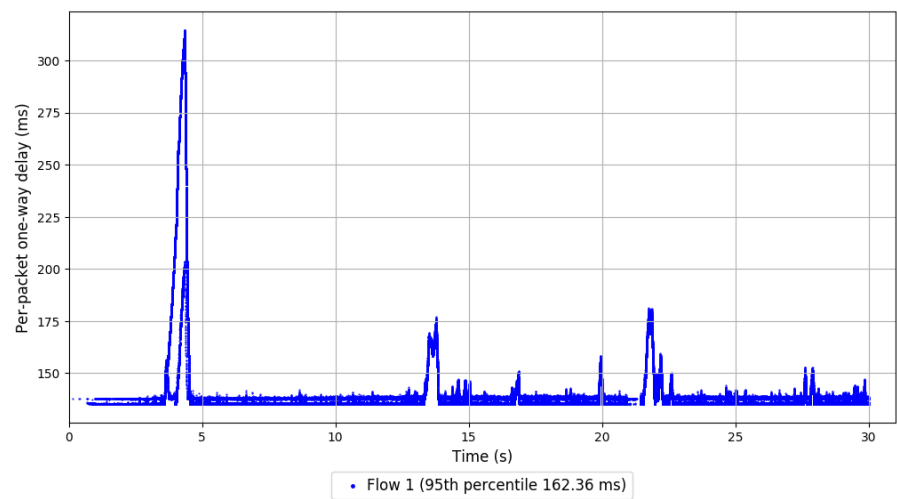
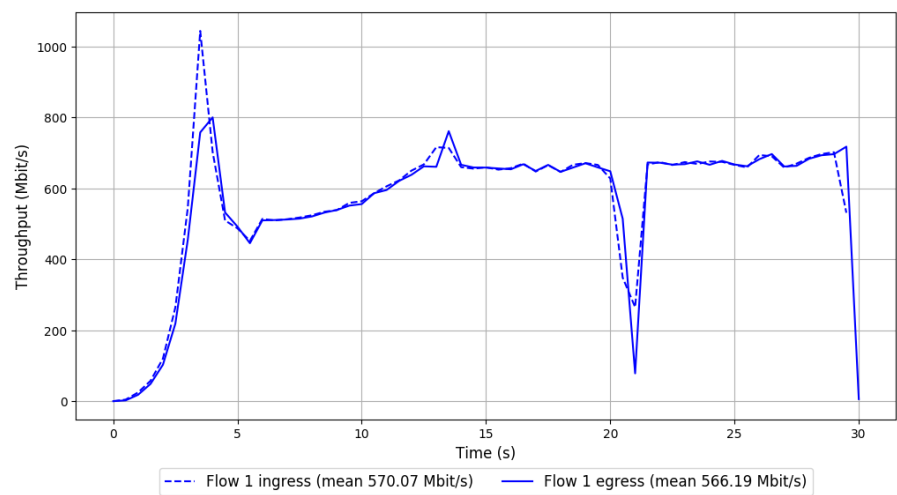
-- Flow 1:

Average throughput: 566.19 Mbit/s

95th percentile per-packet one-way delay: 162.359 ms

Loss rate: 0.68%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2017-09-21 22:55:47

End at: 2017-09-21 22:56:17

Below is generated by plot.py at 2017-09-22 00:04:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 532.21 Mbit/s

95th percentile per-packet one-way delay: 149.930 ms

Loss rate: 1.21%

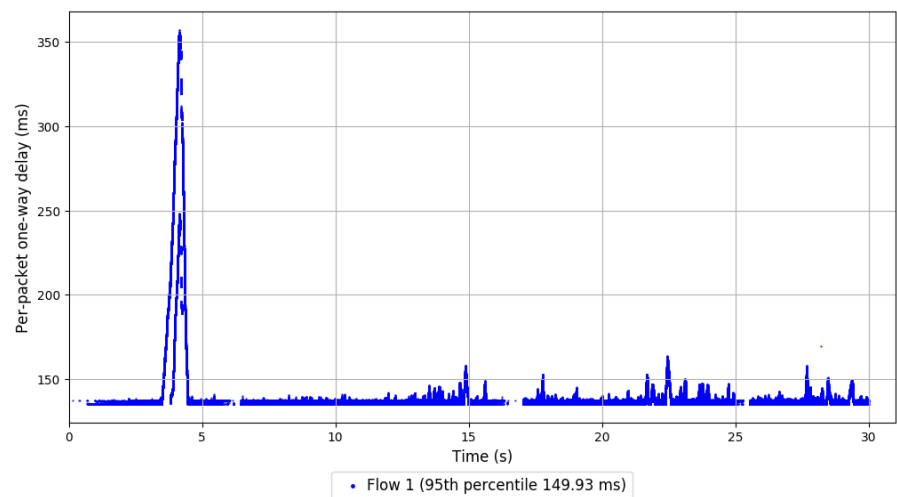
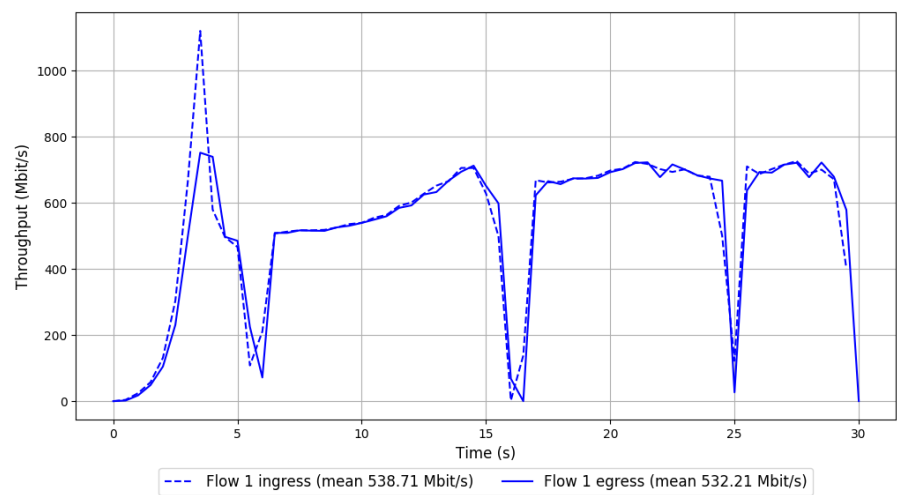
-- Flow 1:

Average throughput: 532.21 Mbit/s

95th percentile per-packet one-way delay: 149.930 ms

Loss rate: 1.21%

Run 8: Report of PCC — Data Link

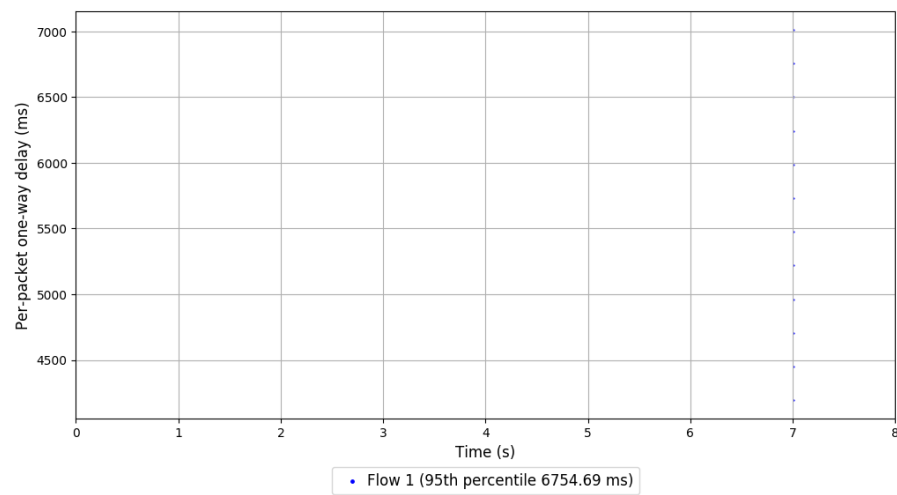
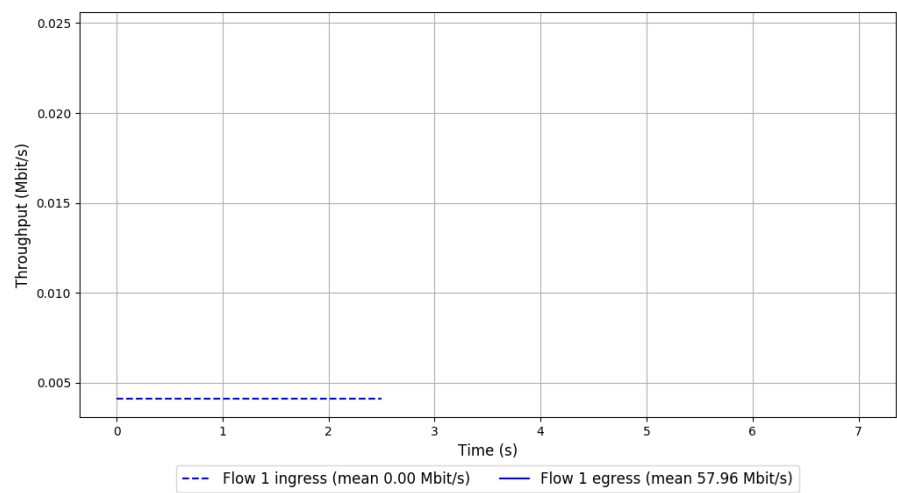


Run 9: Statistics of PCC

Start at: 2017-09-21 23:06:44

End at: 2017-09-21 23:07:15

Run 9: Report of PCC — Data Link

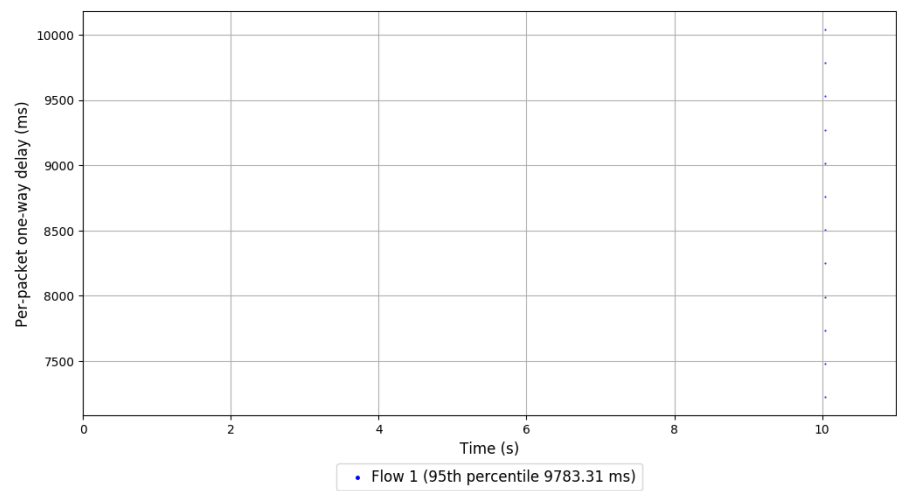
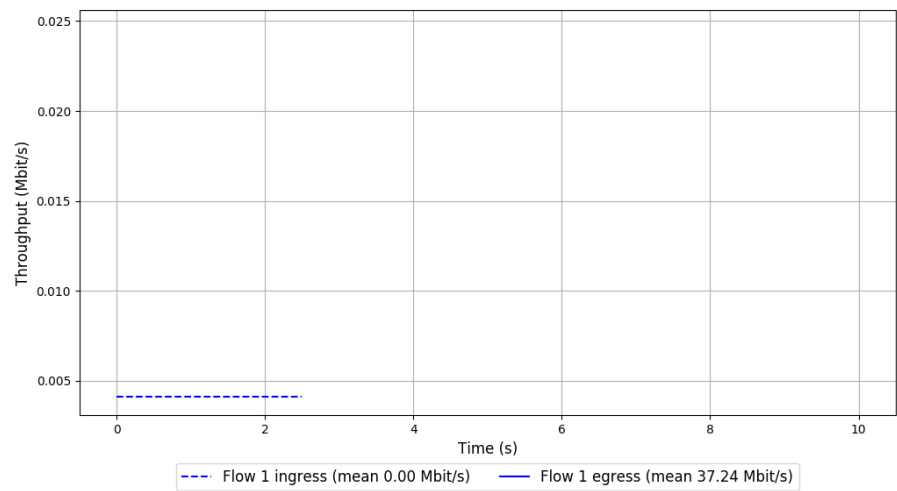


Run 10: Statistics of PCC

Start at: 2017-09-21 23:17:18

End at: 2017-09-21 23:17:48

Run 10: Report of PCC — Data Link

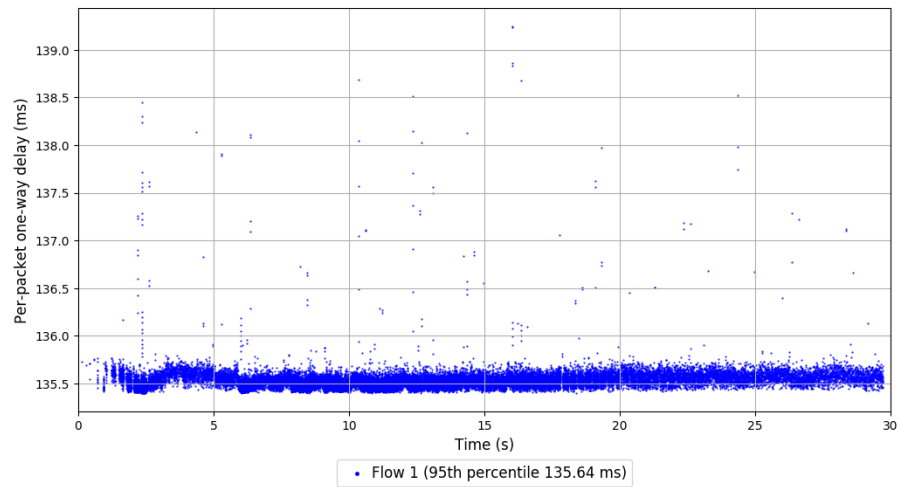
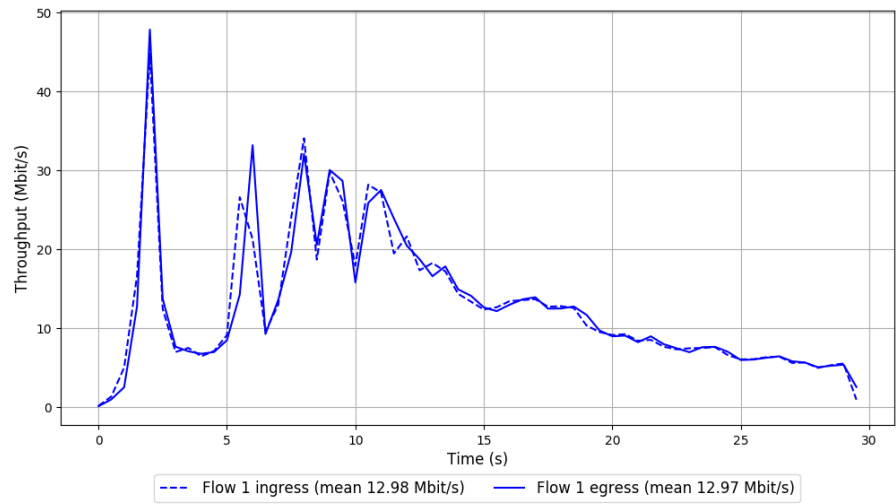


```
Run 1: Statistics of QUIC Cubic

Start at: 2017-09-21 21:40:22
End at: 2017-09-21 21:40:52

# Below is generated by plot.py at 2017-09-22 00:04:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.97 Mbit/s
95th percentile per-packet one-way delay: 135.642 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 12.97 Mbit/s
95th percentile per-packet one-way delay: 135.642 ms
Loss rate: 0.11%
```


Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2017-09-21 21:51:37

End at: 2017-09-21 21:52:07

Below is generated by plot.py at 2017-09-22 00:04:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.92 Mbit/s

95th percentile per-packet one-way delay: 136.014 ms

Loss rate: 0.00%

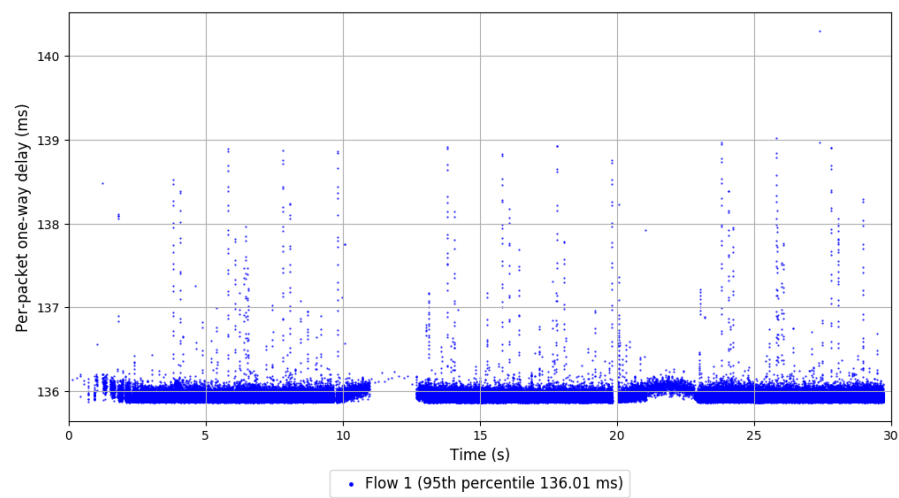
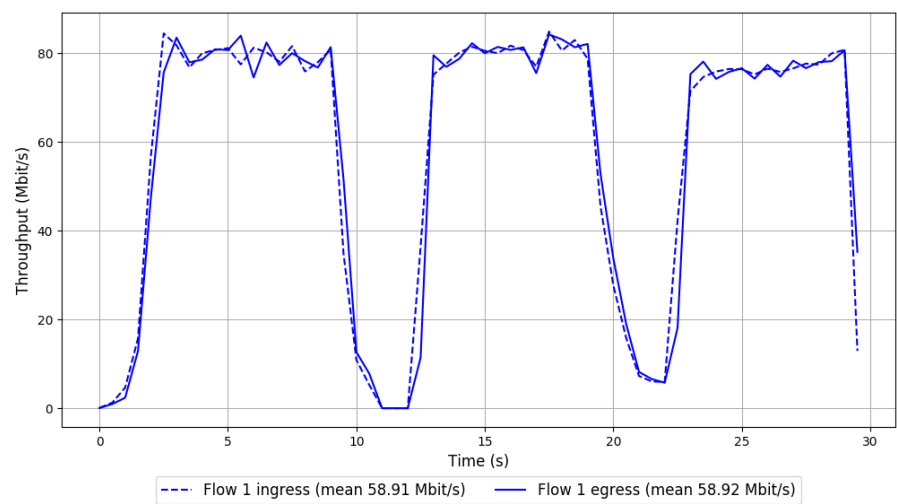
-- Flow 1:

Average throughput: 58.92 Mbit/s

95th percentile per-packet one-way delay: 136.014 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2017-09-21 22:02:47

End at: 2017-09-21 22:03:17

Below is generated by plot.py at 2017-09-22 00:04:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.33 Mbit/s

95th percentile per-packet one-way delay: 137.524 ms

Loss rate: 0.00%

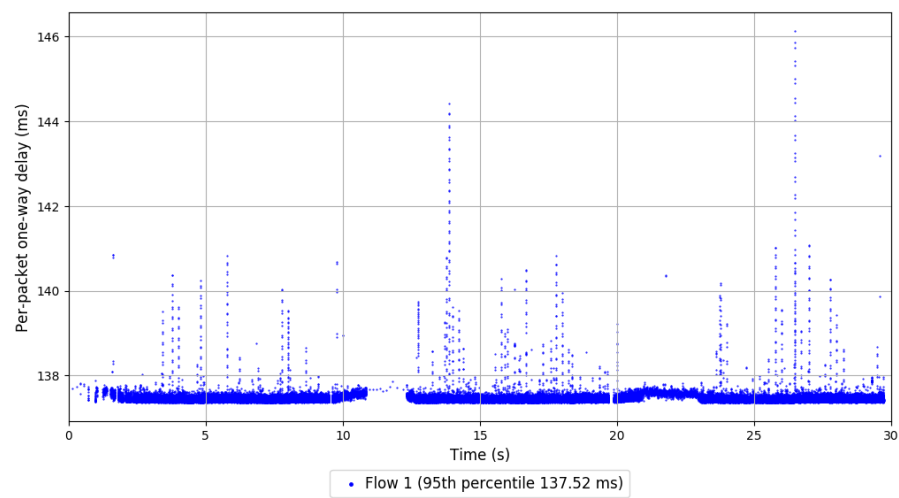
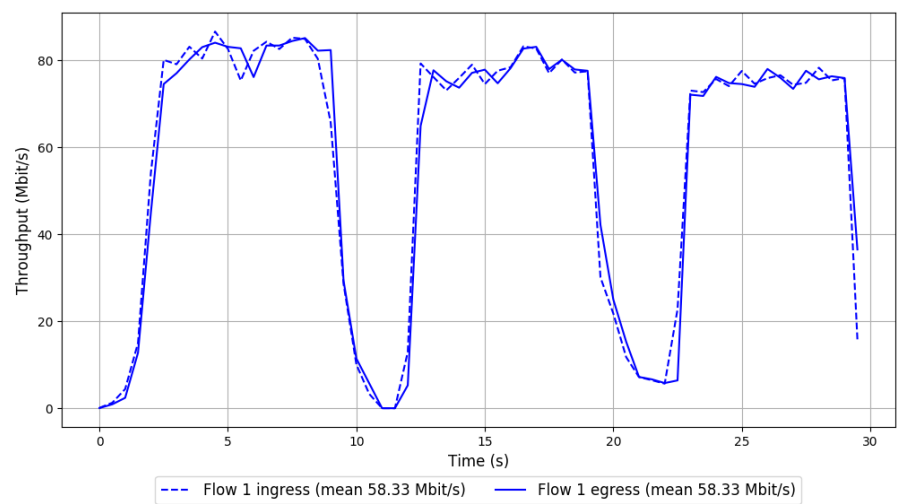
-- Flow 1:

Average throughput: 58.33 Mbit/s

95th percentile per-packet one-way delay: 137.524 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2017-09-21 22:14:25

End at: 2017-09-21 22:14:55

Below is generated by plot.py at 2017-09-22 00:04:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.85 Mbit/s

95th percentile per-packet one-way delay: 135.696 ms

Loss rate: 0.00%

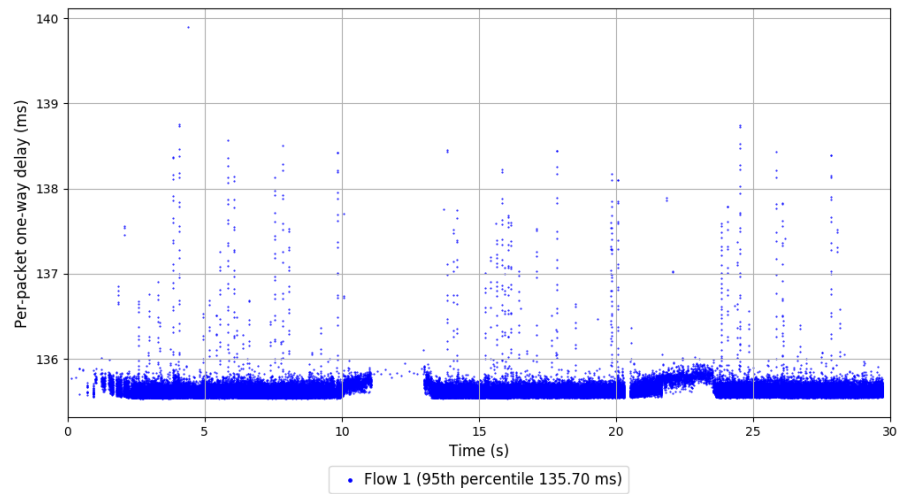
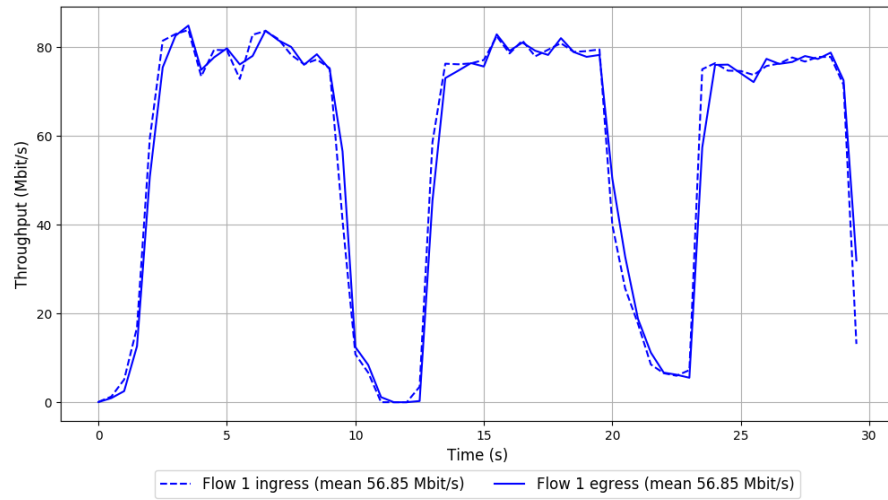
-- Flow 1:

Average throughput: 56.85 Mbit/s

95th percentile per-packet one-way delay: 135.696 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2017-09-21 22:25:16

End at: 2017-09-21 22:25:46

Below is generated by plot.py at 2017-09-22 00:04:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.87 Mbit/s

95th percentile per-packet one-way delay: 136.856 ms

Loss rate: 0.00%

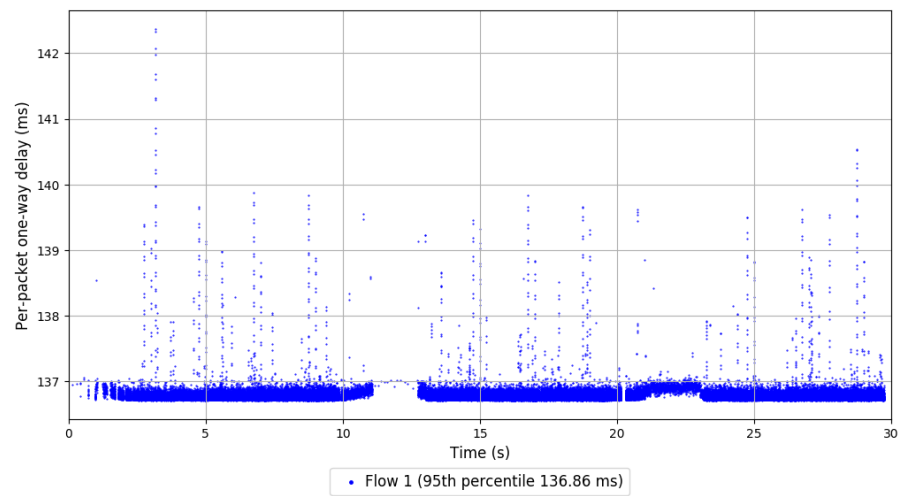
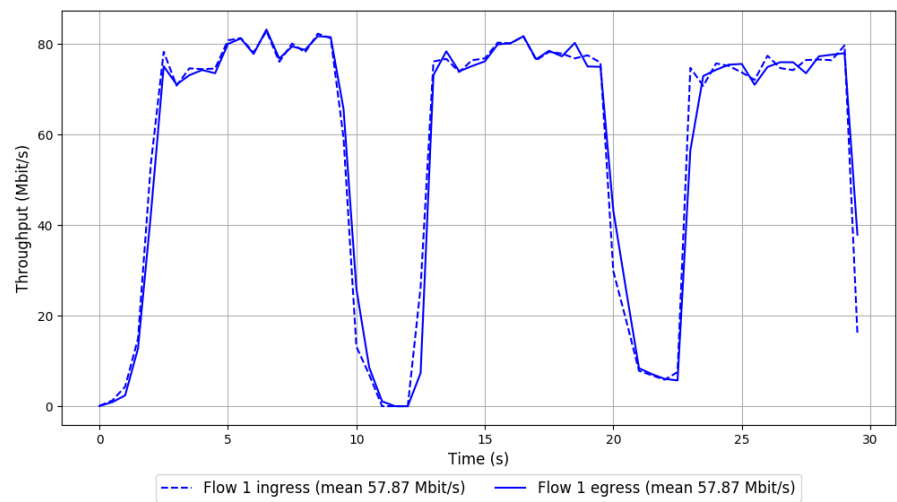
-- Flow 1:

Average throughput: 57.87 Mbit/s

95th percentile per-packet one-way delay: 136.856 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2017-09-21 22:36:20

End at: 2017-09-21 22:36:50

Below is generated by plot.py at 2017-09-22 00:04:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.12 Mbit/s

95th percentile per-packet one-way delay: 136.043 ms

Loss rate: 0.00%

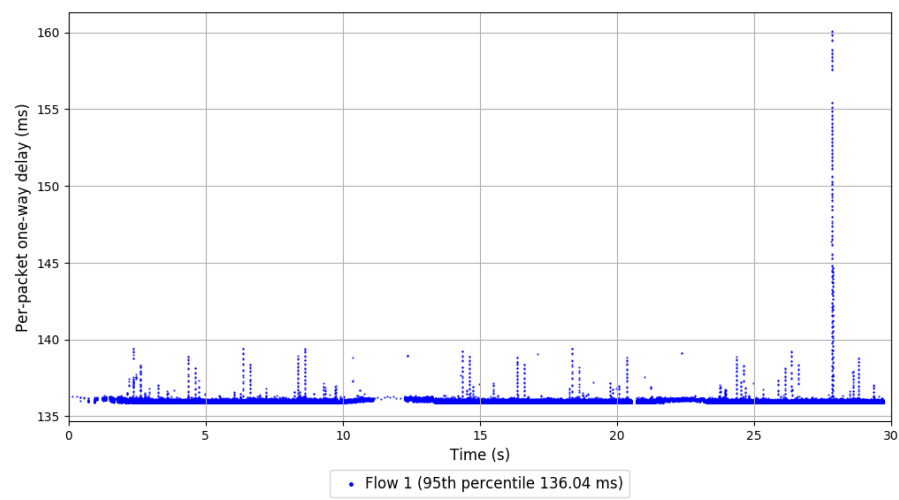
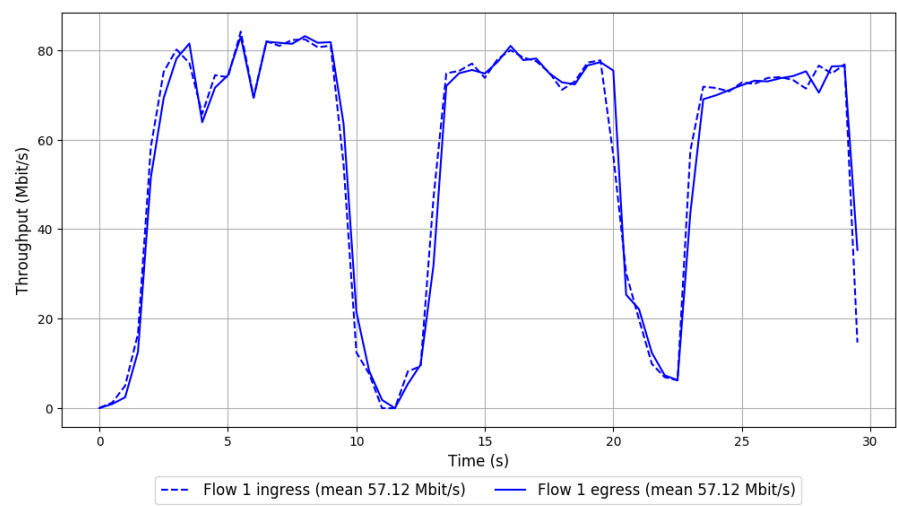
-- Flow 1:

Average throughput: 57.12 Mbit/s

95th percentile per-packet one-way delay: 136.043 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2017-09-21 22:47:42

End at: 2017-09-21 22:48:12

Below is generated by plot.py at 2017-09-22 00:04:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.26 Mbit/s

95th percentile per-packet one-way delay: 135.709 ms

Loss rate: 0.00%

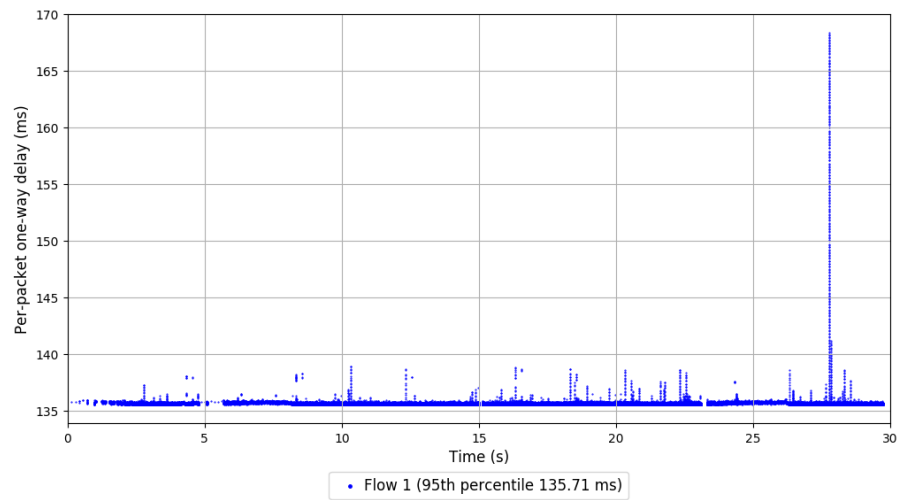
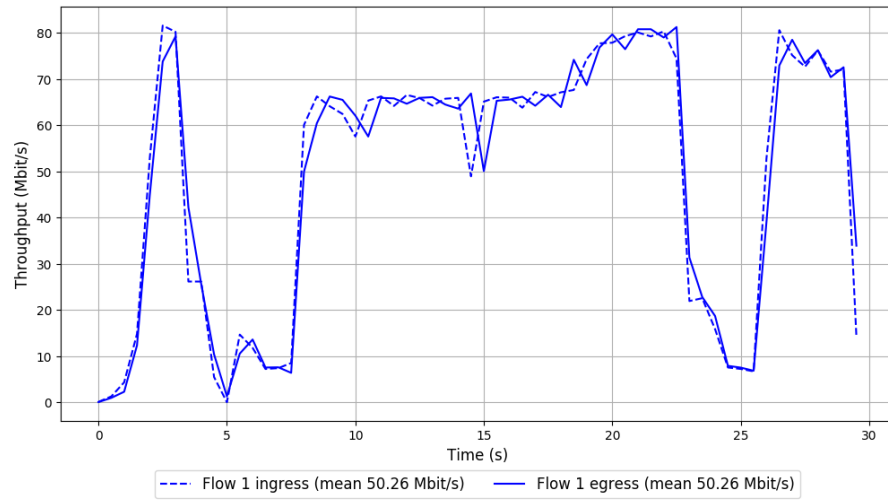
-- Flow 1:

Average throughput: 50.26 Mbit/s

95th percentile per-packet one-way delay: 135.709 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2017-09-21 22:59:08

End at: 2017-09-21 22:59:38

Below is generated by plot.py at 2017-09-22 00:04:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.94 Mbit/s

95th percentile per-packet one-way delay: 135.352 ms

Loss rate: 0.09%

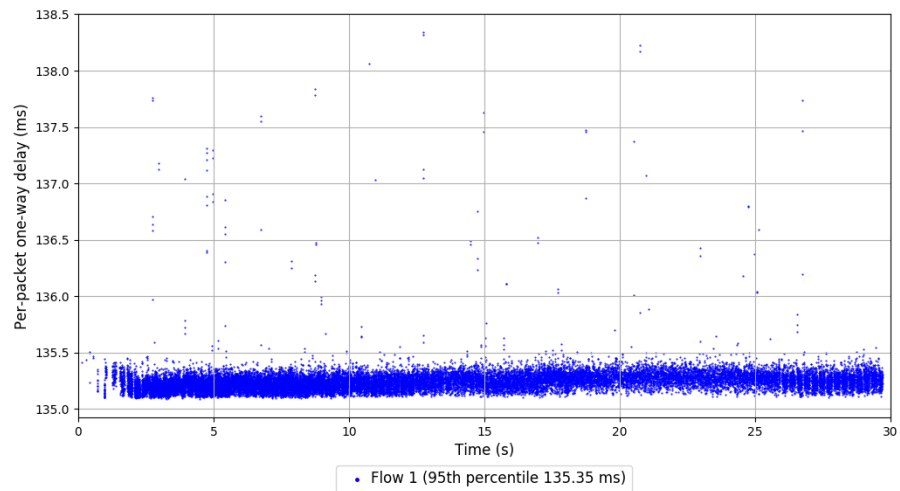
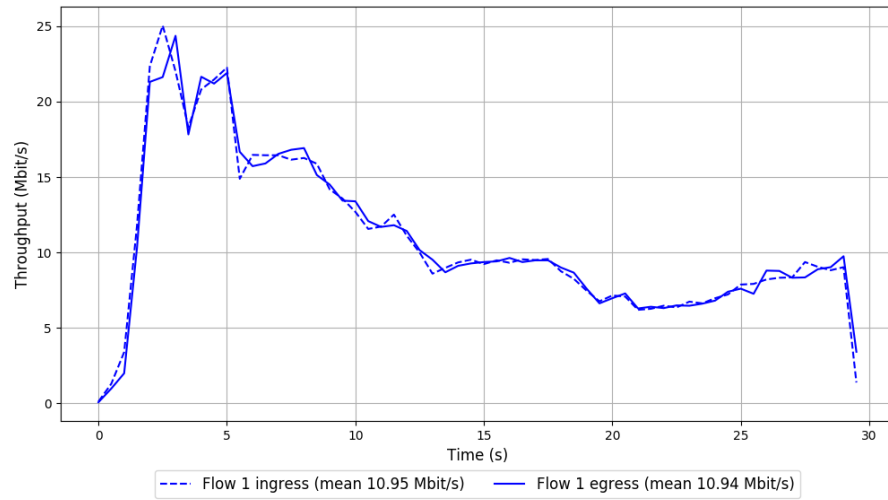
-- Flow 1:

Average throughput: 10.94 Mbit/s

95th percentile per-packet one-way delay: 135.352 ms

Loss rate: 0.09%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2017-09-21 23:09:41

End at: 2017-09-21 23:10:11

Below is generated by plot.py at 2017-09-22 00:04:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.23 Mbit/s

95th percentile per-packet one-way delay: 134.941 ms

Loss rate: 0.09%

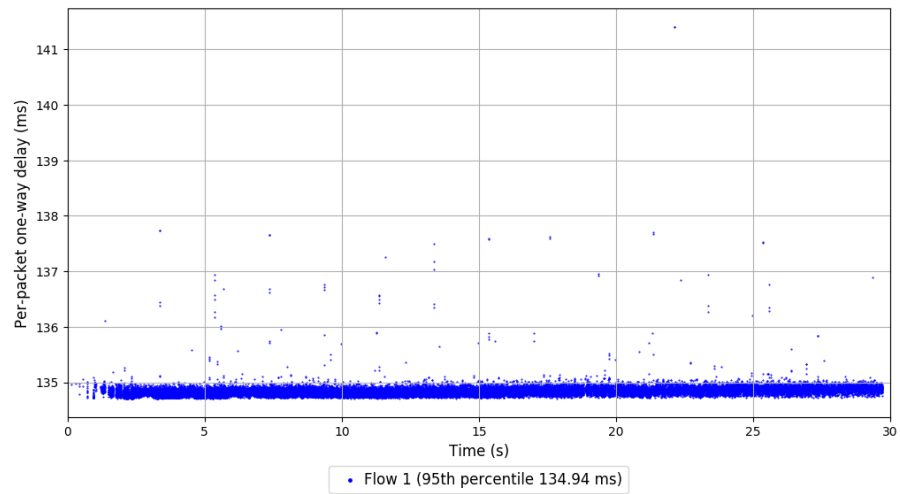
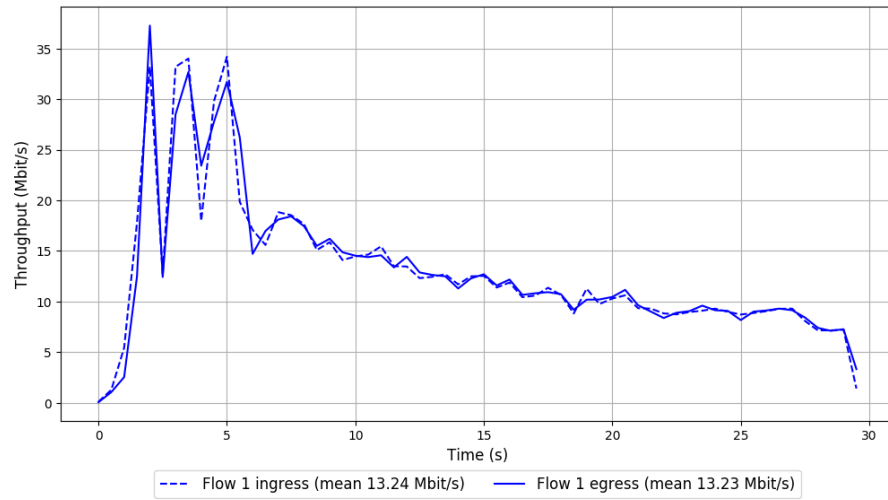
-- Flow 1:

Average throughput: 13.23 Mbit/s

95th percentile per-packet one-way delay: 134.941 ms

Loss rate: 0.09%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2017-09-21 23:20:20

End at: 2017-09-21 23:20:50

Below is generated by plot.py at 2017-09-22 00:04:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.01 Mbit/s

95th percentile per-packet one-way delay: 136.339 ms

Loss rate: 0.10%

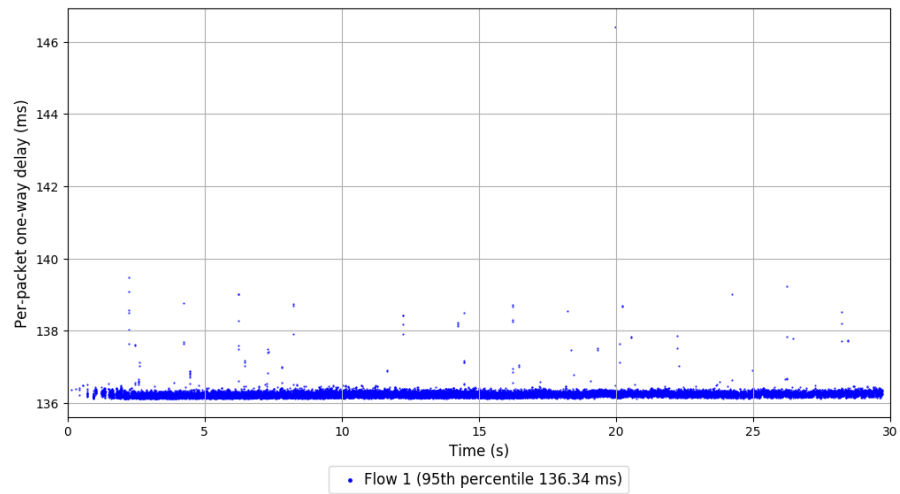
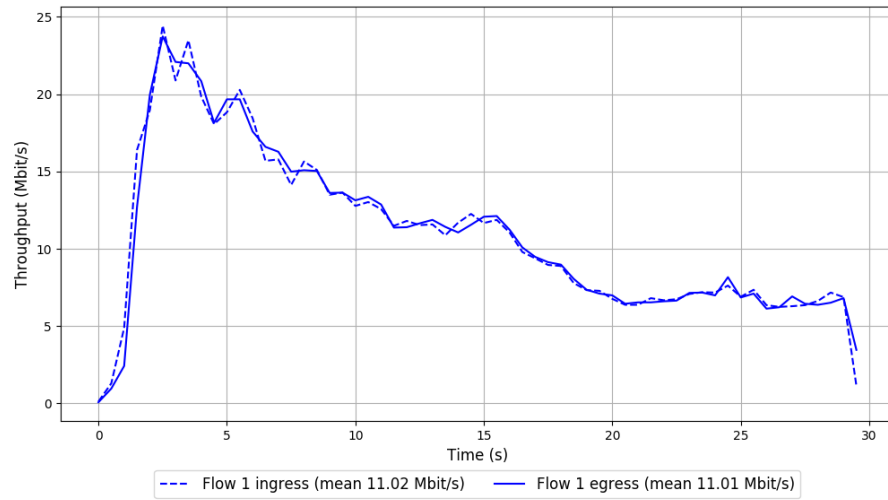
-- Flow 1:

Average throughput: 11.01 Mbit/s

95th percentile per-packet one-way delay: 136.339 ms

Loss rate: 0.10%

Run 10: Report of QUIC Cubic — Data Link

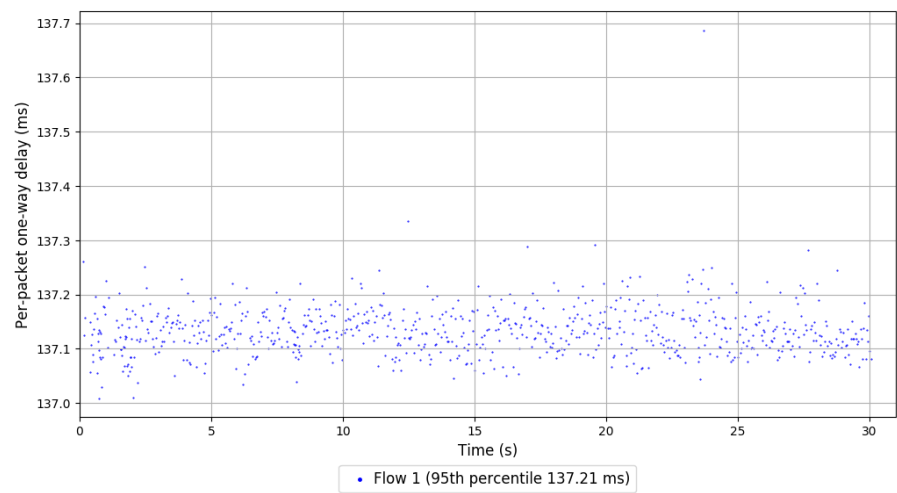
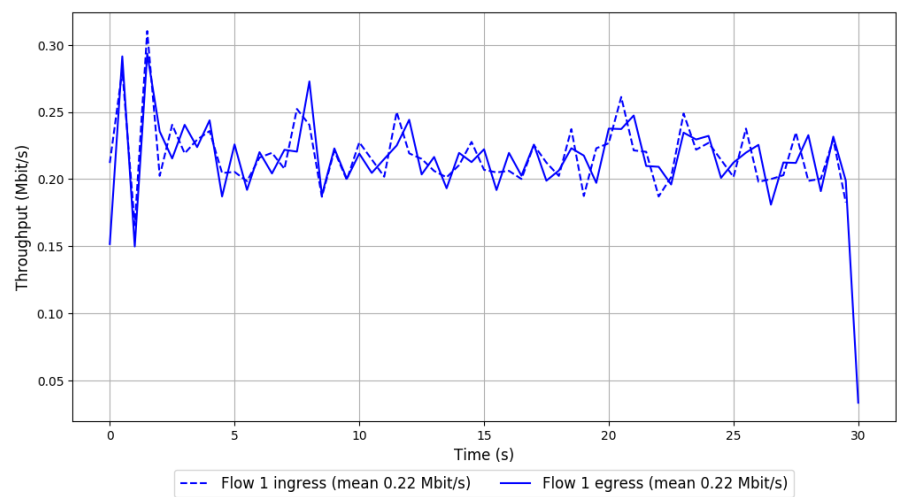


```
Run 1: Statistics of SCReAM

Start at: 2017-09-21 21:35:38
End at: 2017-09-21 21:36:08

# Below is generated by plot.py at 2017-09-22 00:04:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.207 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.207 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

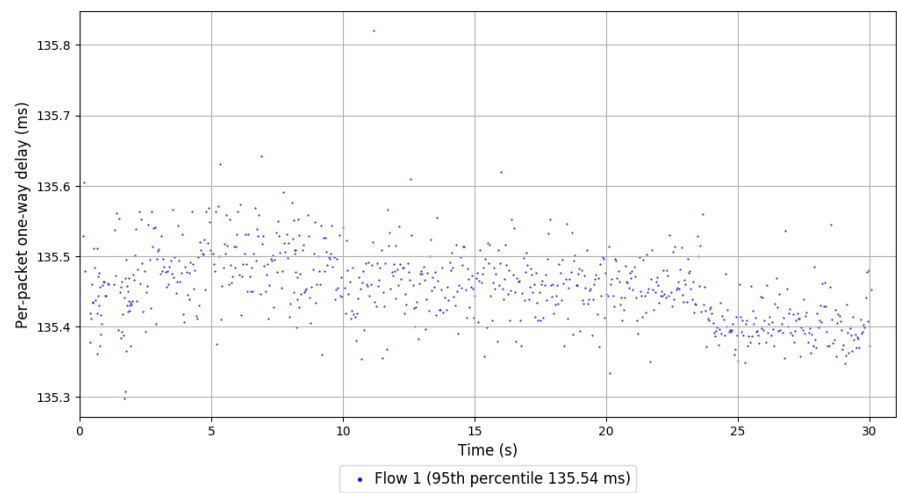
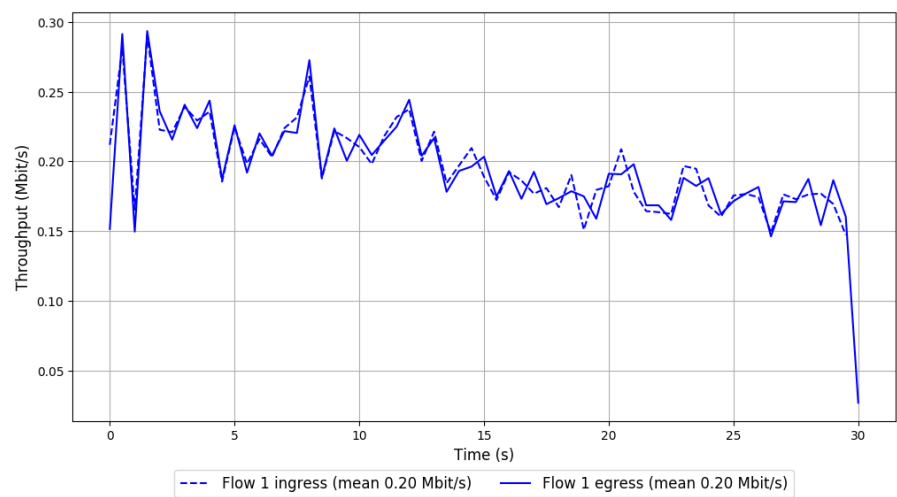


```
Run 2: Statistics of SCReAM

Start at: 2017-09-21 21:46:31
End at: 2017-09-21 21:47:01

# Below is generated by plot.py at 2017-09-22 00:04:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 135.545 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 135.545 ms
Loss rate: 0.13%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2017-09-21 21:57:48

End at: 2017-09-21 21:58:18

Below is generated by plot.py at 2017-09-22 00:04:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.798 ms

Loss rate: 0.00%

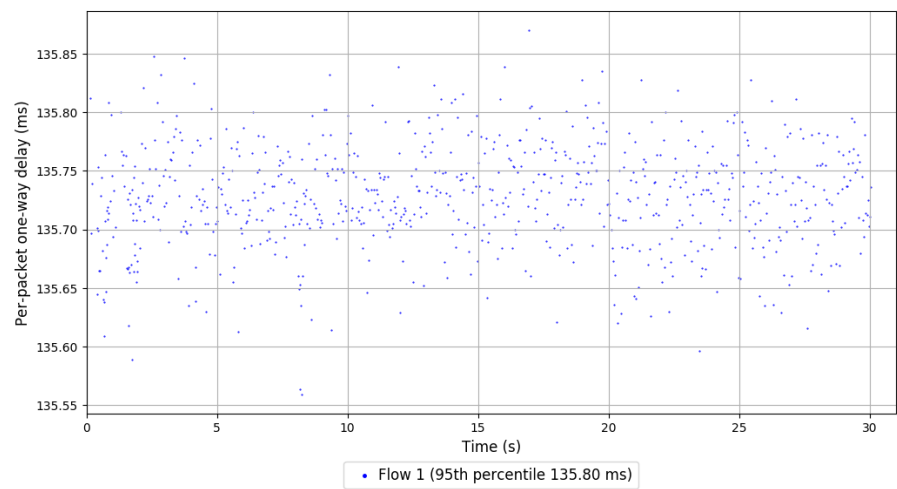
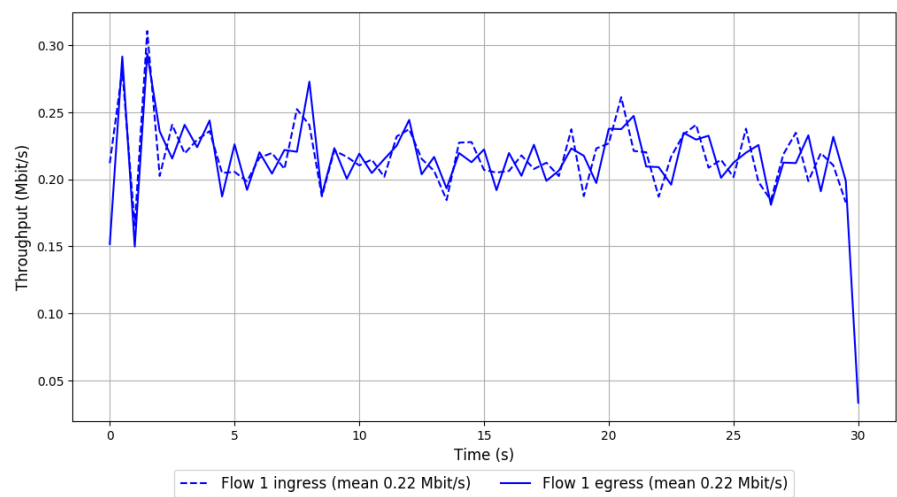
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.798 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2017-09-21 22:09:01

End at: 2017-09-21 22:09:31

Below is generated by plot.py at 2017-09-22 00:04:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.793 ms

Loss rate: 0.00%

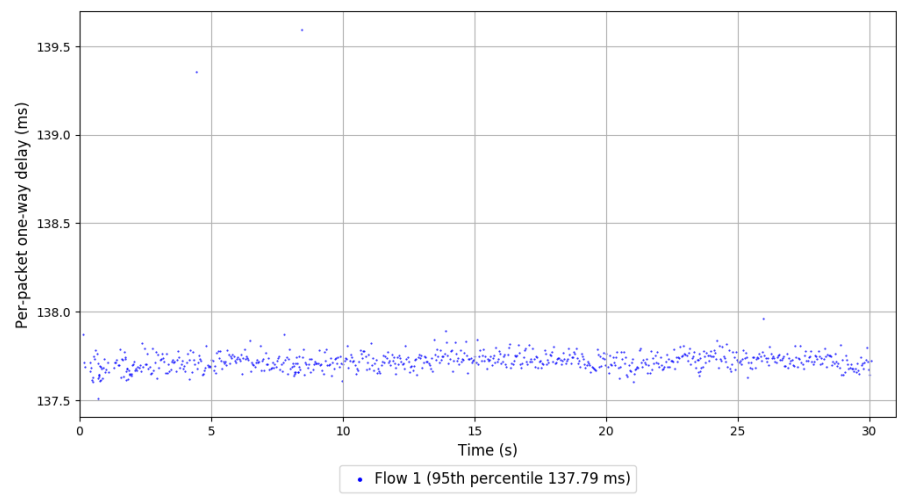
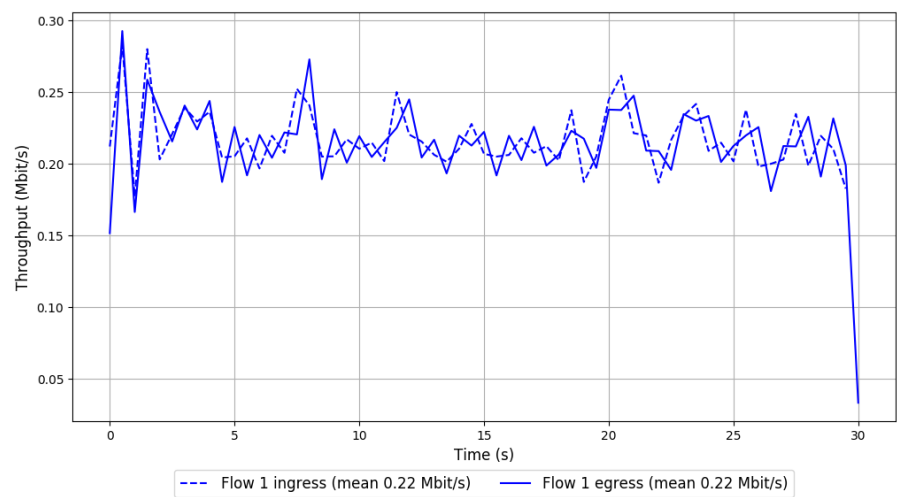
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.793 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2017-09-21 22:20:39

End at: 2017-09-21 22:21:09

Below is generated by plot.py at 2017-09-22 00:04:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.207 ms

Loss rate: 0.00%

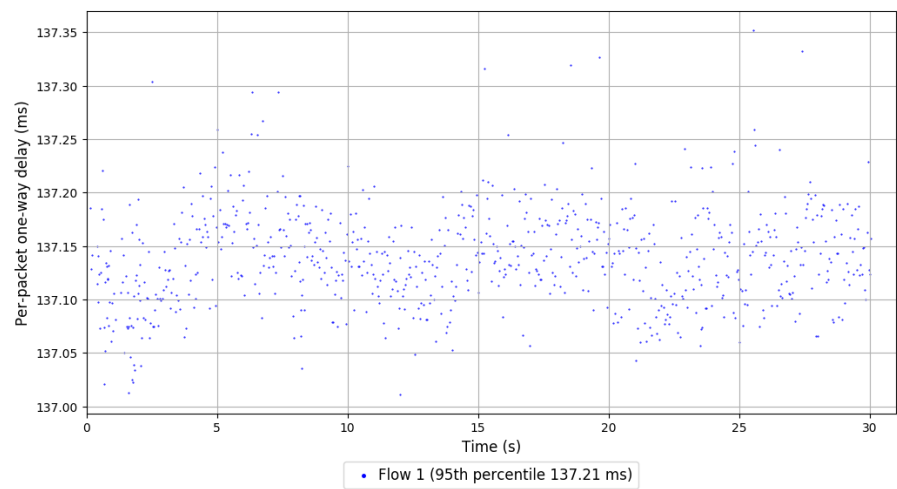
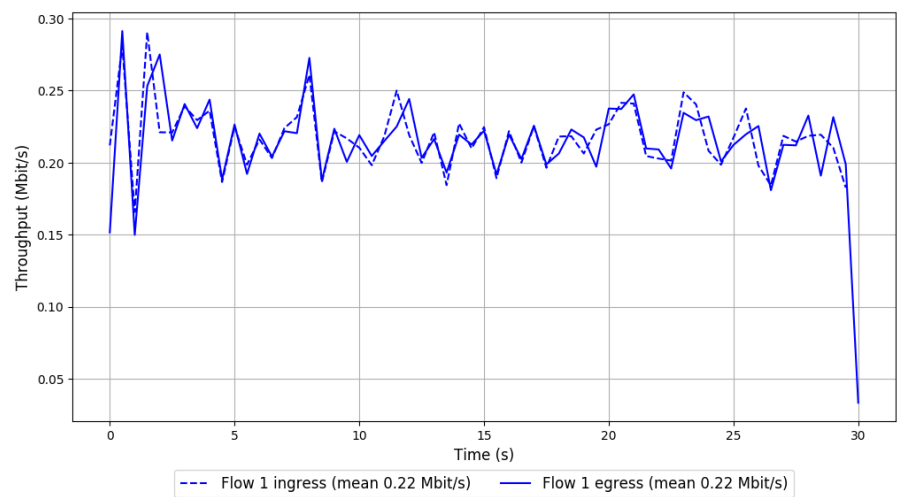
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.207 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2017-09-21 22:31:29

End at: 2017-09-21 22:31:59

Below is generated by plot.py at 2017-09-22 00:04:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.831 ms

Loss rate: 0.00%

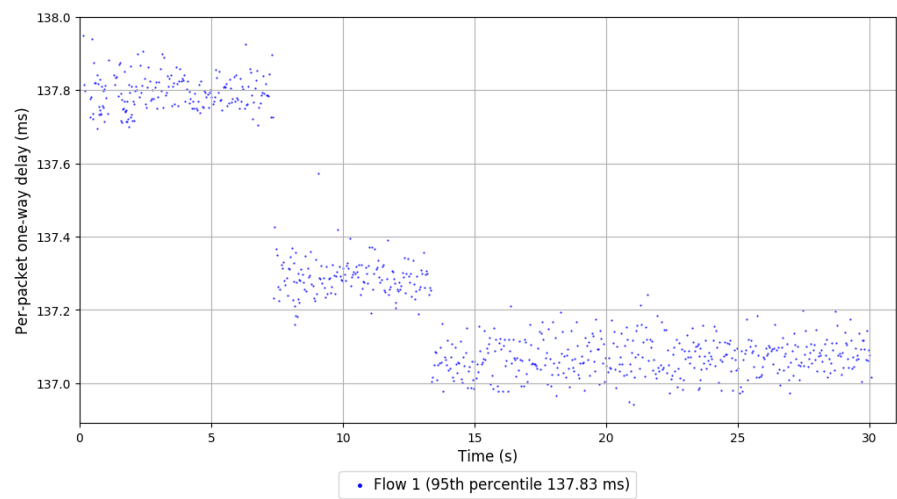
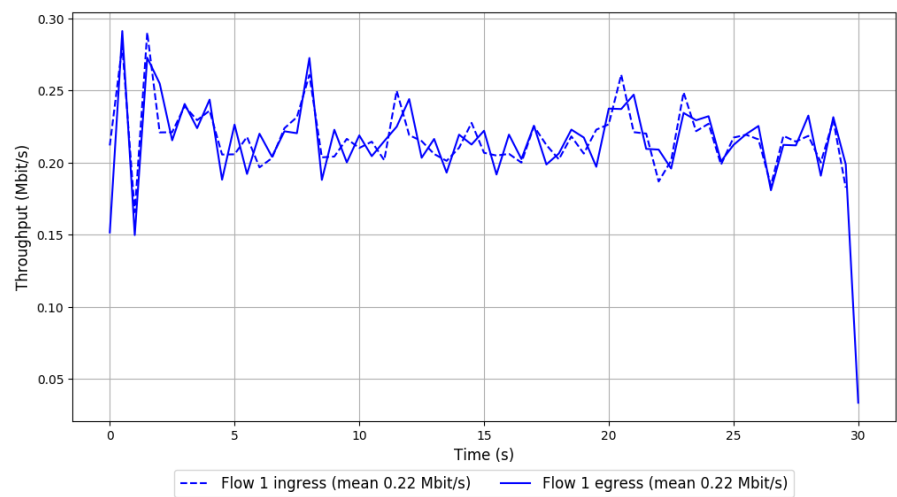
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.831 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2017-09-21 22:42:33

End at: 2017-09-21 22:43:03

Below is generated by plot.py at 2017-09-22 00:04:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.430 ms

Loss rate: 0.00%

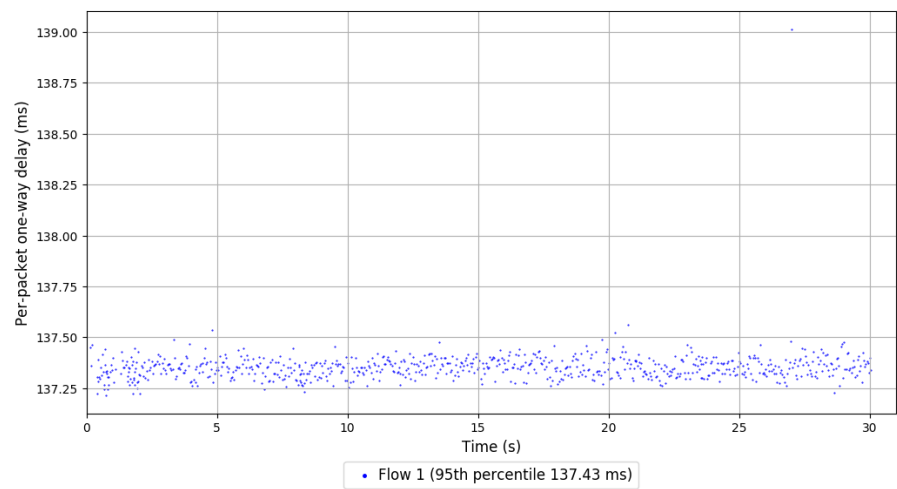
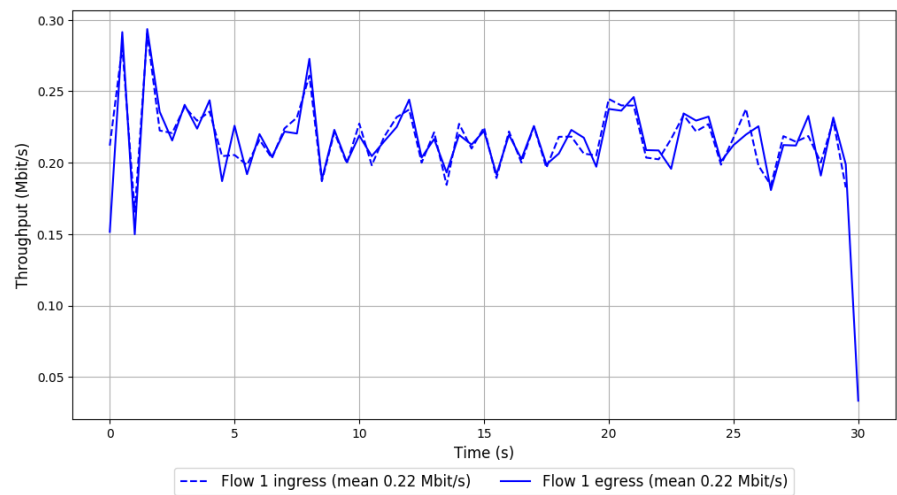
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.430 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2017-09-21 22:54:00

End at: 2017-09-21 22:54:30

Below is generated by plot.py at 2017-09-22 00:04:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 135.478 ms

Loss rate: 0.29%

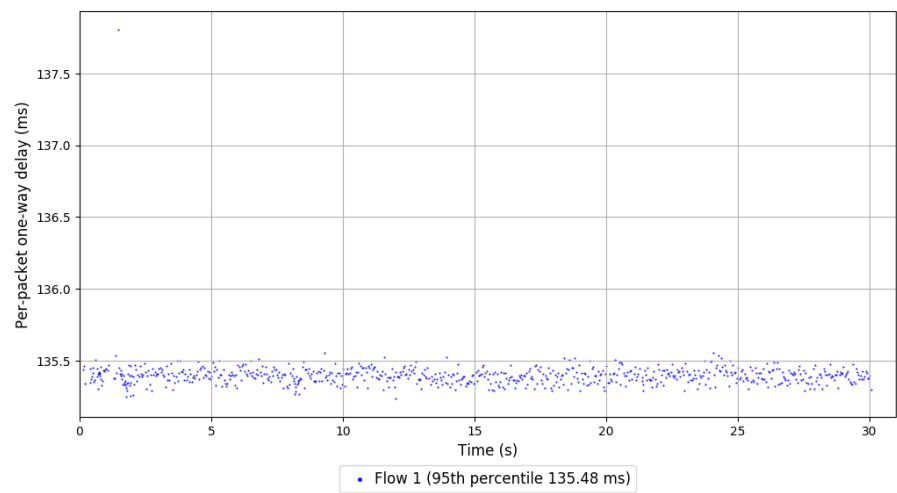
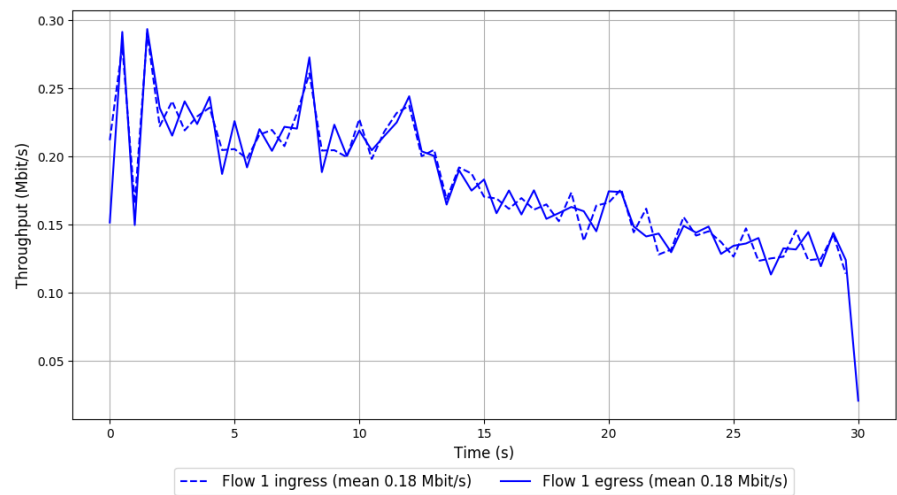
-- Flow 1:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 135.478 ms

Loss rate: 0.29%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2017-09-21 23:05:18

End at: 2017-09-21 23:05:48

Below is generated by plot.py at 2017-09-22 00:04:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.990 ms

Loss rate: 0.13%

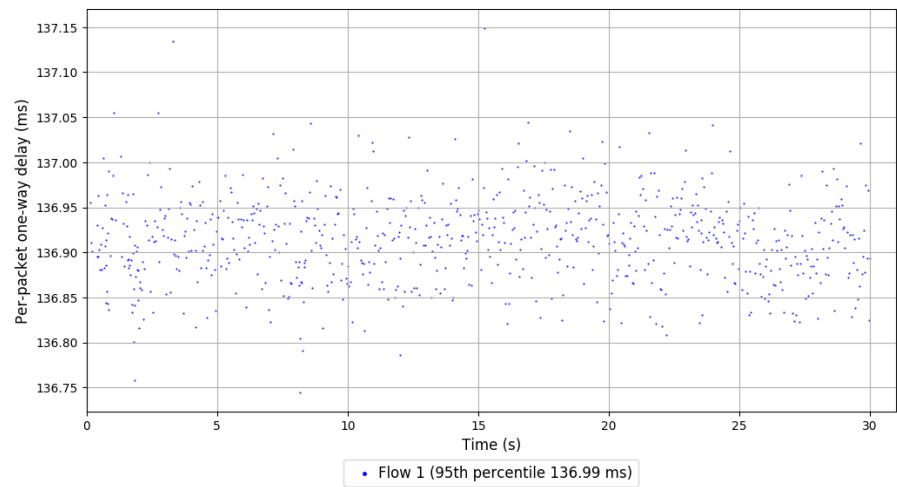
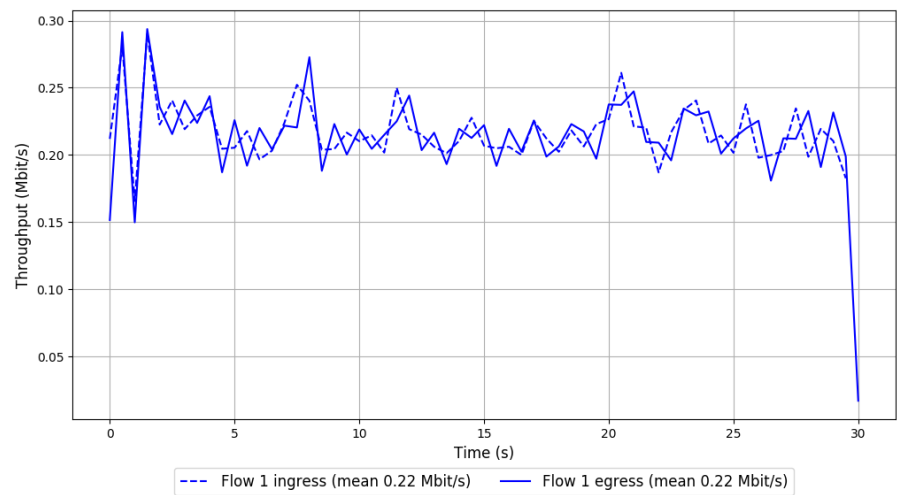
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.990 ms

Loss rate: 0.13%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2017-09-21 23:15:52

End at: 2017-09-21 23:16:22

Below is generated by plot.py at 2017-09-22 00:04:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.823 ms

Loss rate: 0.00%

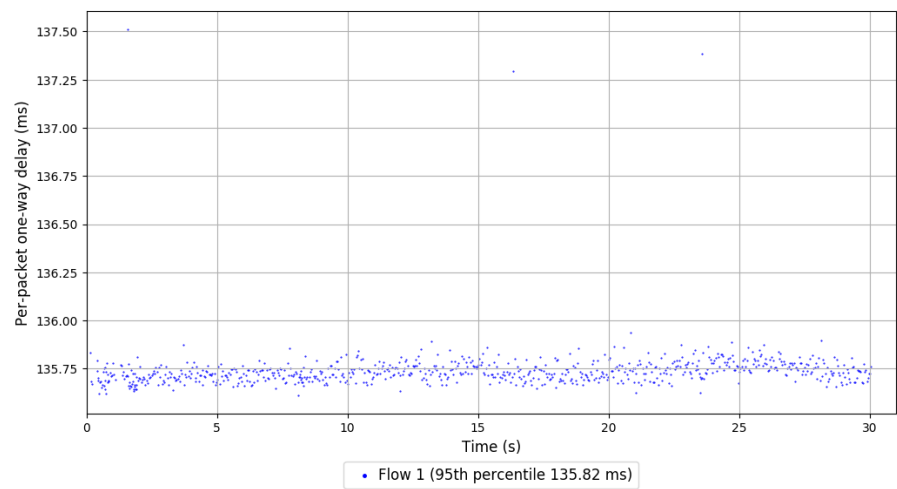
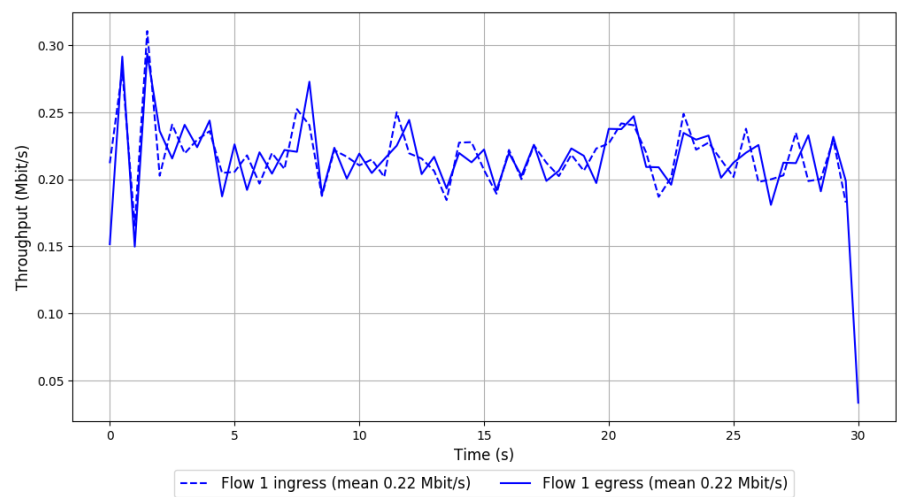
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.823 ms

Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

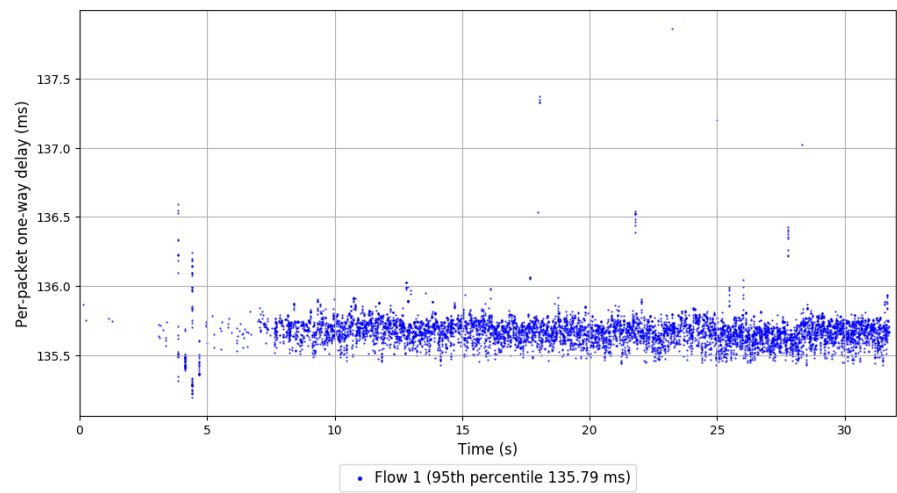
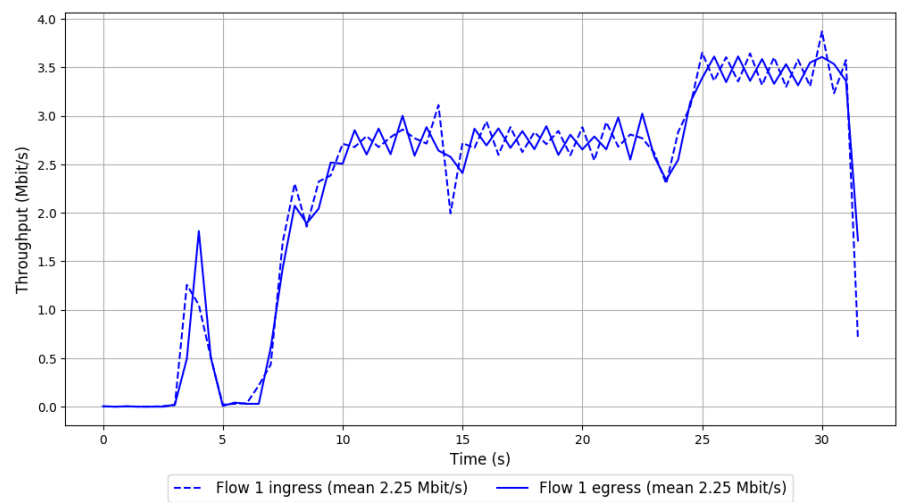


```
Run 1: Statistics of WebRTC media

Start at: 2017-09-21 21:38:47
End at: 2017-09-21 21:39:17

# Below is generated by plot.py at 2017-09-22 00:04:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 135.794 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 135.794 ms
Loss rate: 0.11%
```


Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2017-09-21 21:50:05

End at: 2017-09-21 21:50:35

Below is generated by plot.py at 2017-09-22 00:04:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 135.818 ms

Loss rate: 0.04%

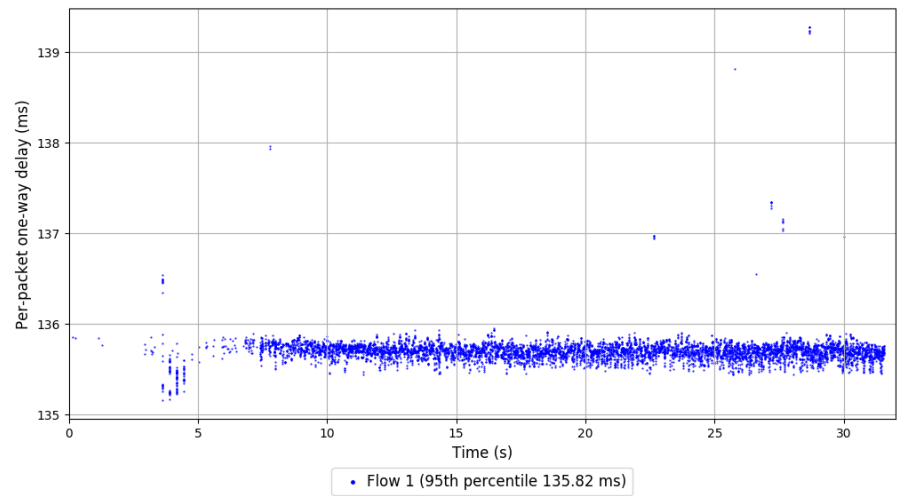
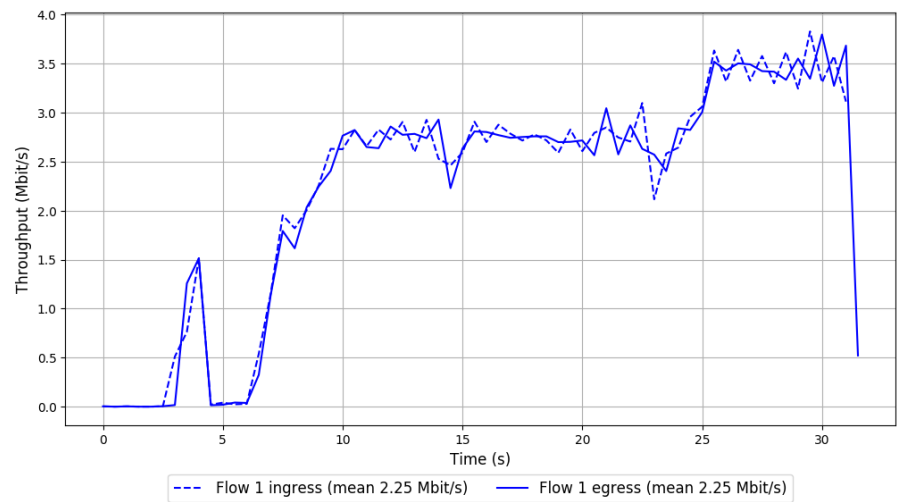
-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 135.818 ms

Loss rate: 0.04%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2017-09-21 22:01:17

End at: 2017-09-21 22:01:47

Below is generated by plot.py at 2017-09-22 00:04:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 135.953 ms

Loss rate: 0.00%

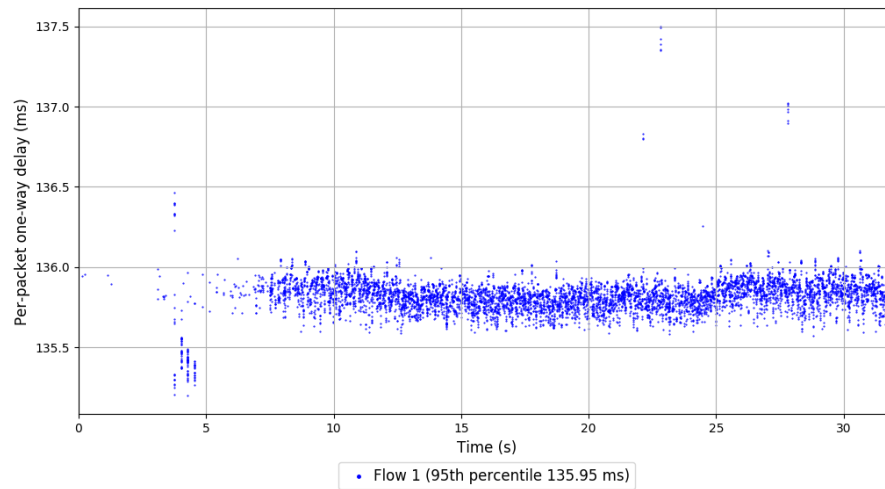
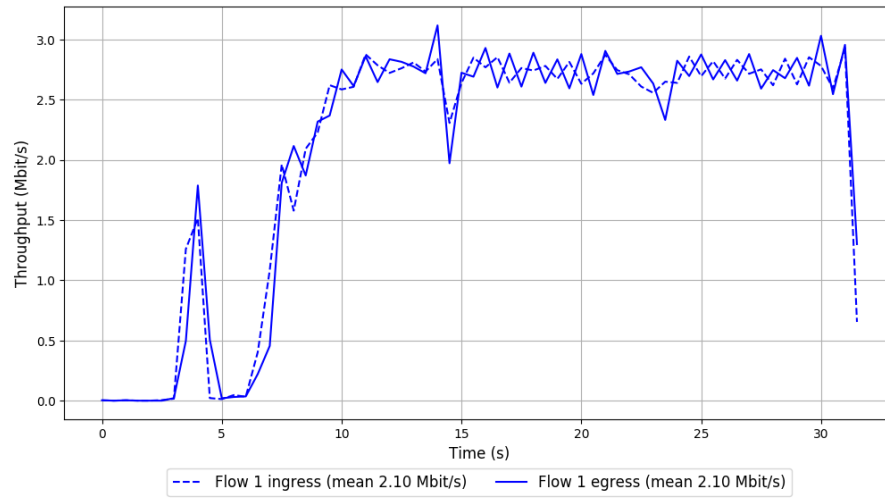
-- Flow 1:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 135.953 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2017-09-21 22:12:34

End at: 2017-09-21 22:13:04

Below is generated by plot.py at 2017-09-22 00:04:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 137.240 ms

Loss rate: 0.00%

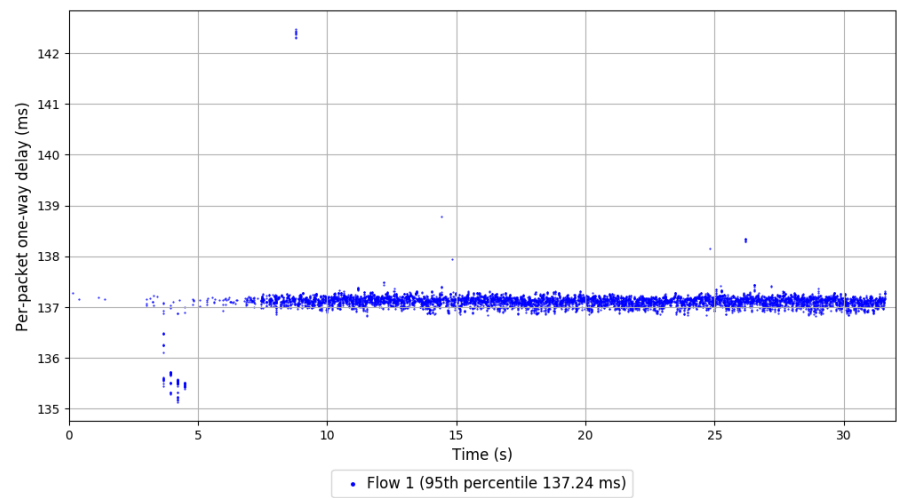
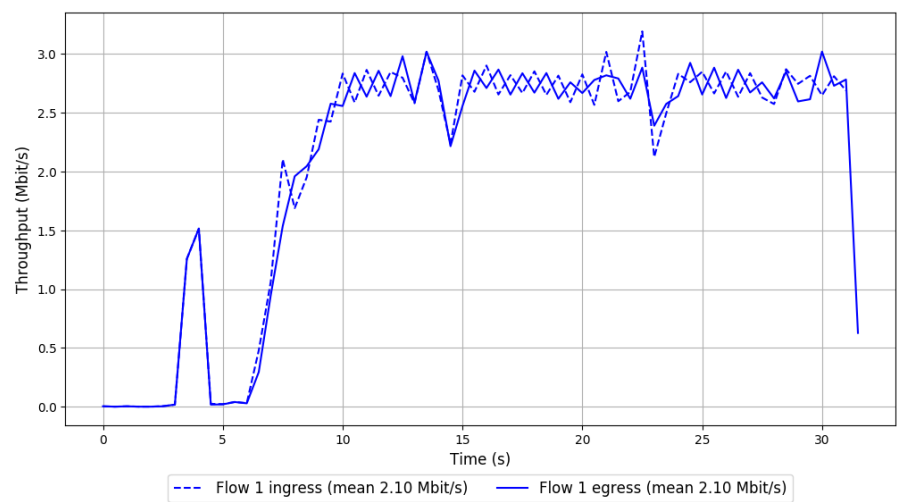
-- Flow 1:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 137.240 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2017-09-21 22:23:29

End at: 2017-09-21 22:23:59

Below is generated by plot.py at 2017-09-22 00:04:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 135.739 ms

Loss rate: 0.06%

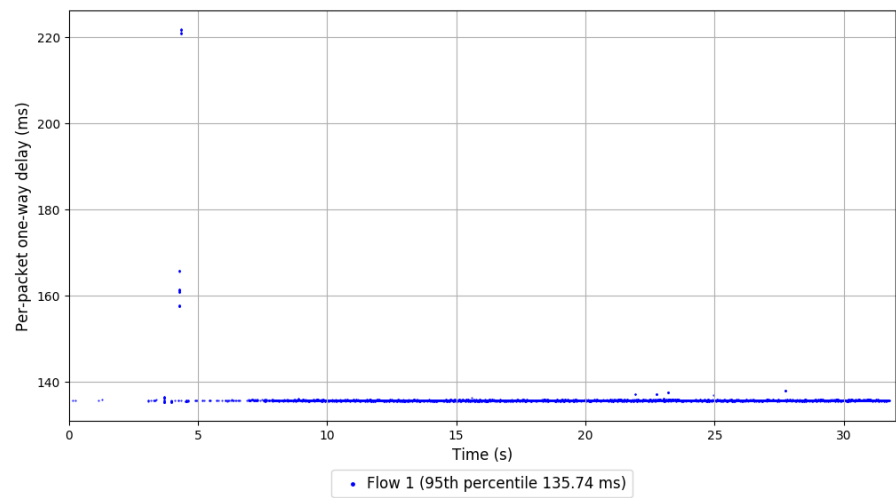
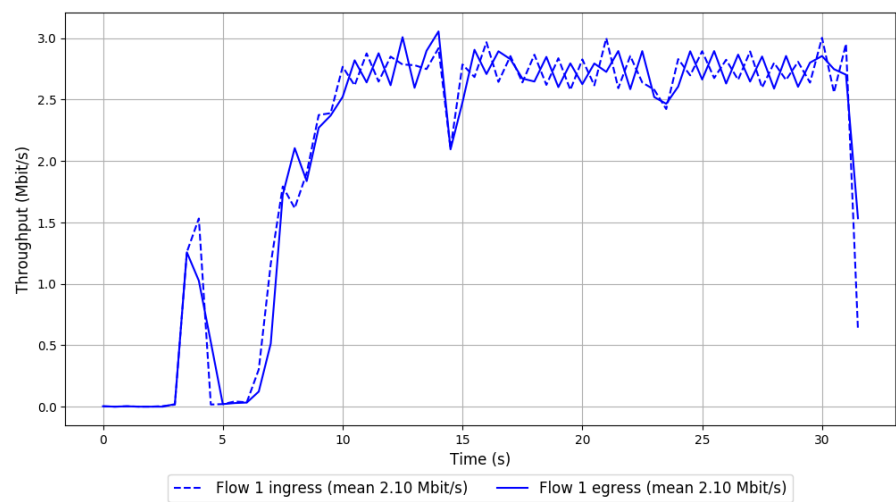
-- Flow 1:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 135.739 ms

Loss rate: 0.06%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2017-09-21 22:34:51

End at: 2017-09-21 22:35:21

Below is generated by plot.py at 2017-09-22 00:04:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 135.510 ms

Loss rate: 0.09%

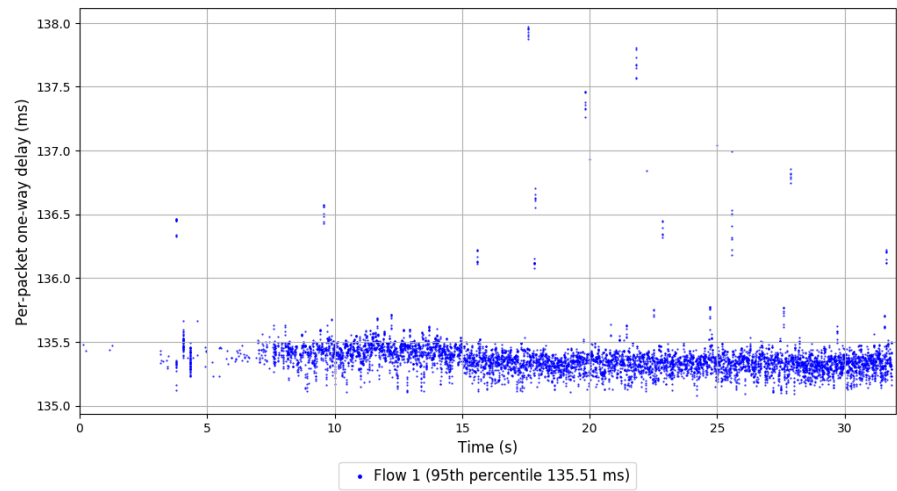
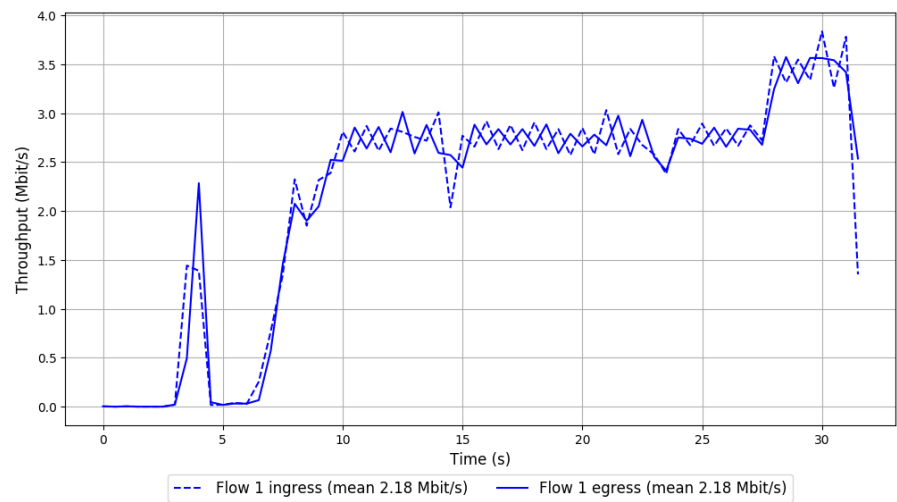
-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 135.510 ms

Loss rate: 0.09%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2017-09-21 22:46:12

End at: 2017-09-21 22:46:42

Below is generated by plot.py at 2017-09-22 00:04:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 137.846 ms

Loss rate: 0.00%

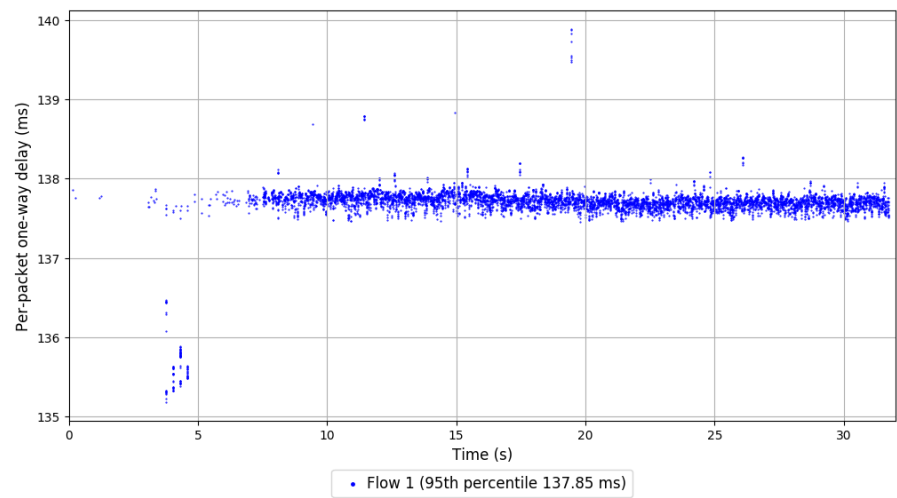
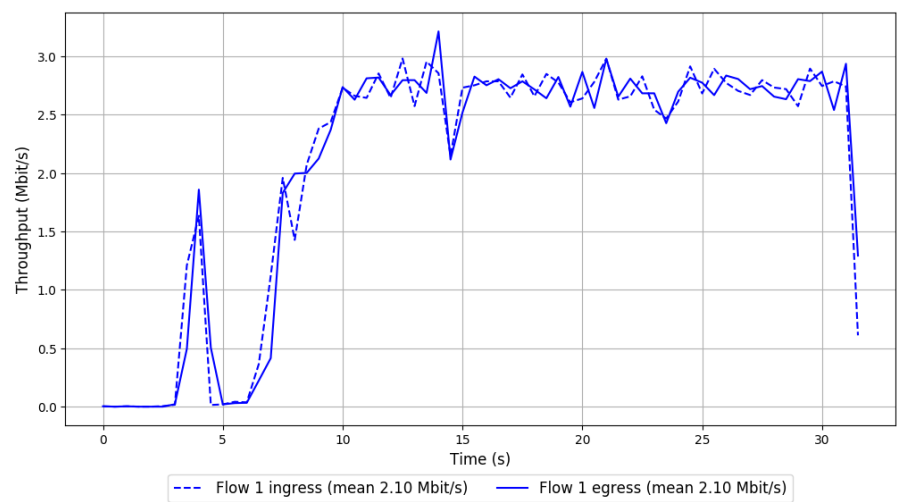
-- Flow 1:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 137.846 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2017-09-21 22:57:38

End at: 2017-09-21 22:58:08

Below is generated by plot.py at 2017-09-22 00:04:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 135.848 ms

Loss rate: 0.04%

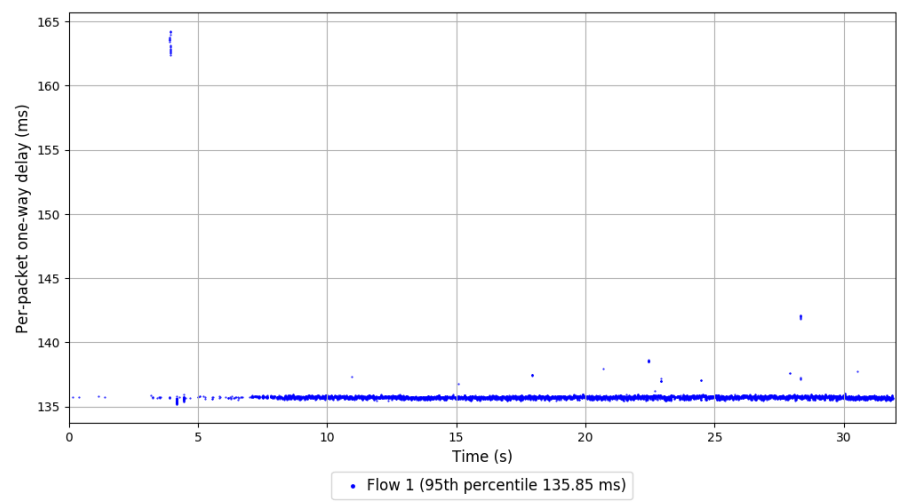
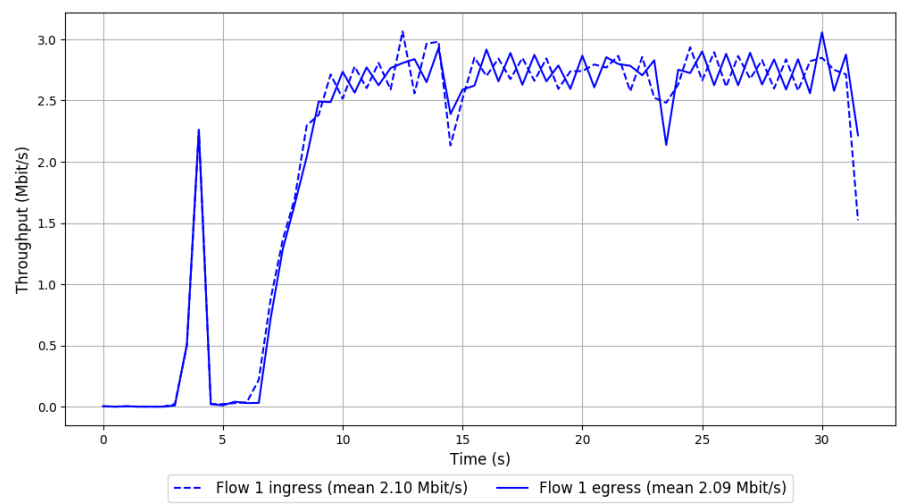
-- Flow 1:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 135.848 ms

Loss rate: 0.04%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2017-09-21 23:08:09

End at: 2017-09-21 23:08:39

Below is generated by plot.py at 2017-09-22 00:04:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 136.324 ms

Loss rate: 0.00%

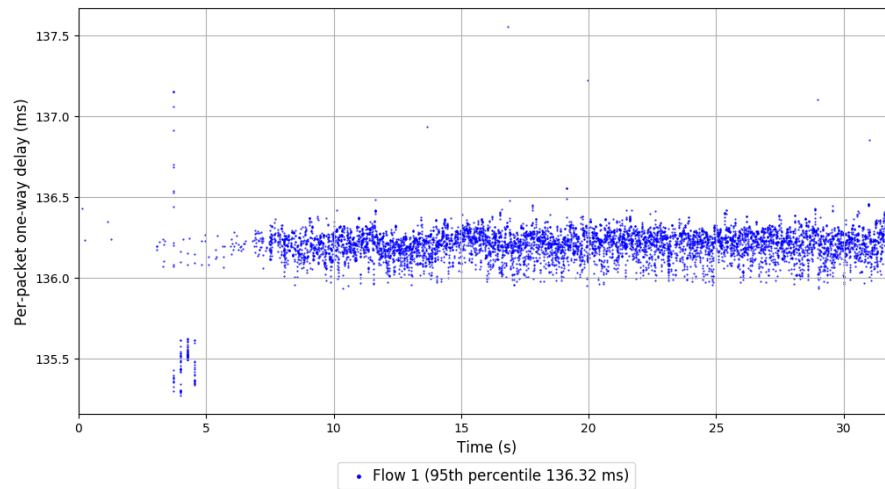
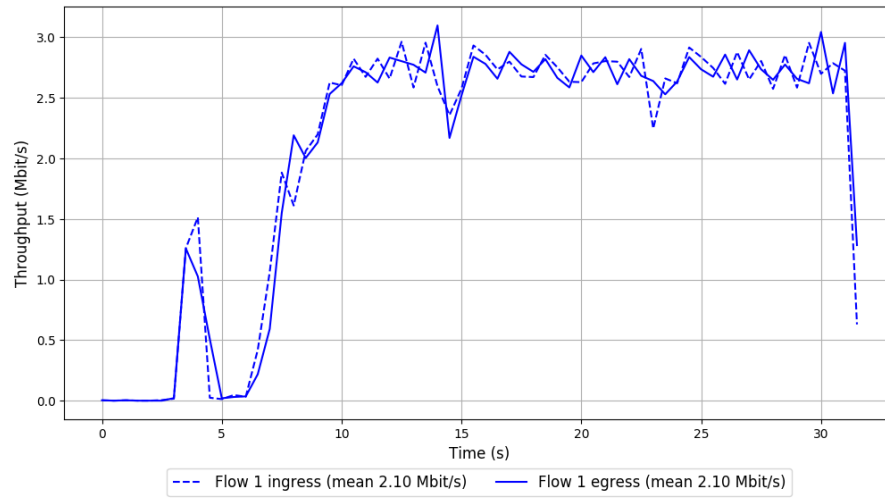
-- Flow 1:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 136.324 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2017-09-21 23:18:44

End at: 2017-09-21 23:19:14

Below is generated by plot.py at 2017-09-22 00:04:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.39 Mbit/s

95th percentile per-packet one-way delay: 135.823 ms

Loss rate: 0.07%

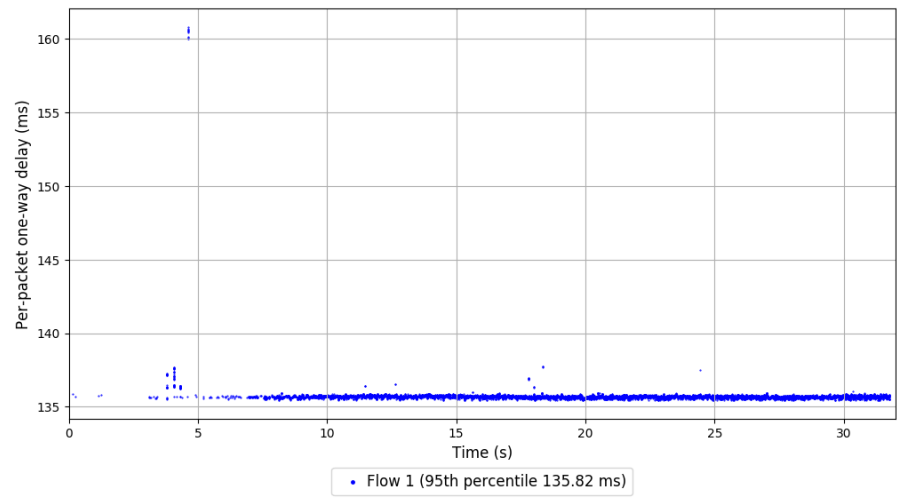
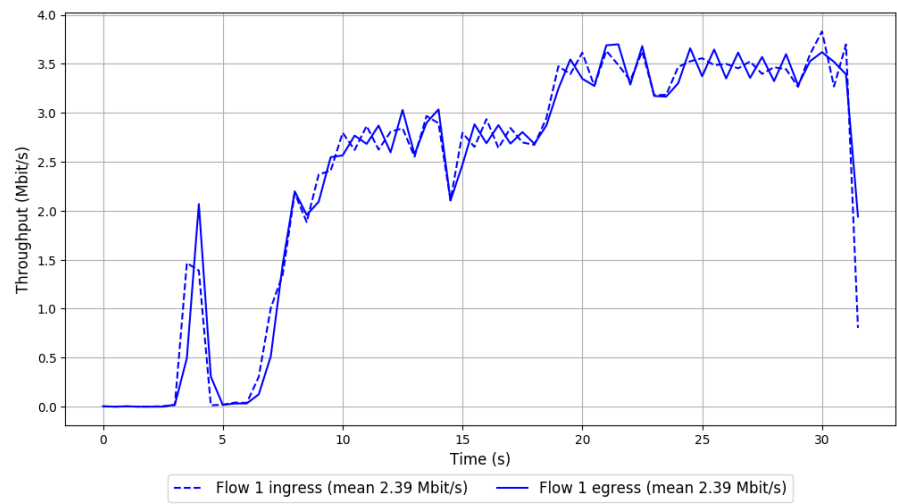
-- Flow 1:

Average throughput: 2.39 Mbit/s

95th percentile per-packet one-way delay: 135.823 ms

Loss rate: 0.07%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2017-09-21 21:41:06

End at: 2017-09-21 21:41:36

Below is generated by plot.py at 2017-09-22 00:04:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 137.252 ms

Loss rate: 0.21%

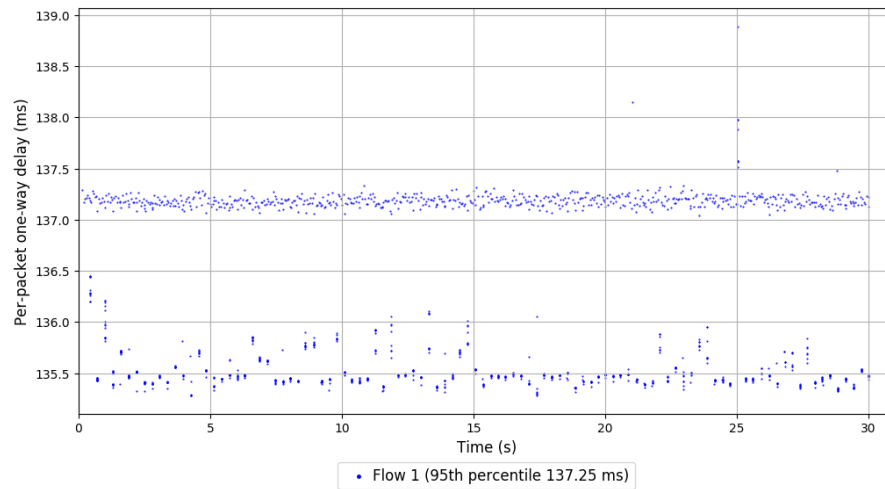
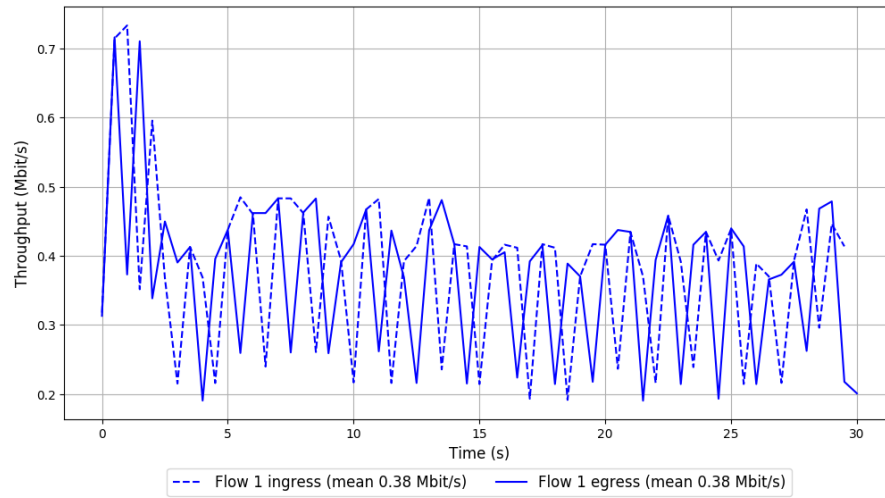
-- Flow 1:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 137.252 ms

Loss rate: 0.21%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2017-09-21 21:52:24

End at: 2017-09-21 21:52:54

Below is generated by plot.py at 2017-09-22 00:04:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 135.961 ms

Loss rate: 0.00%

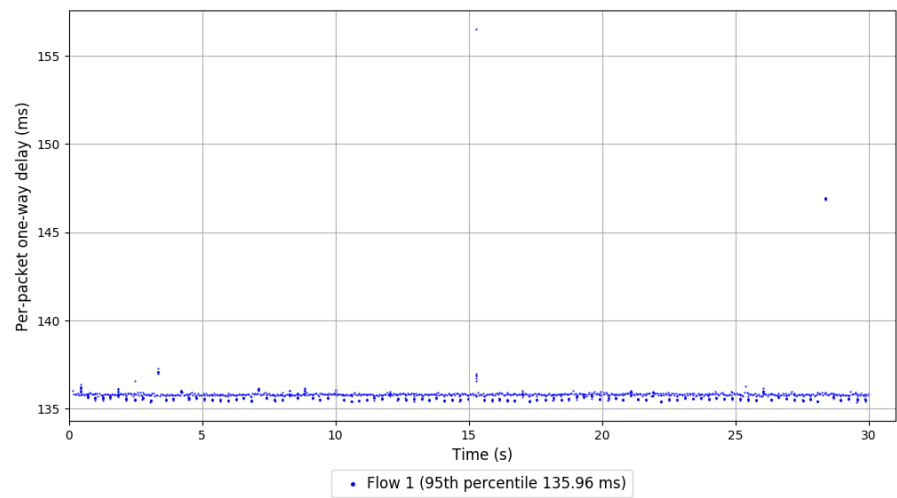
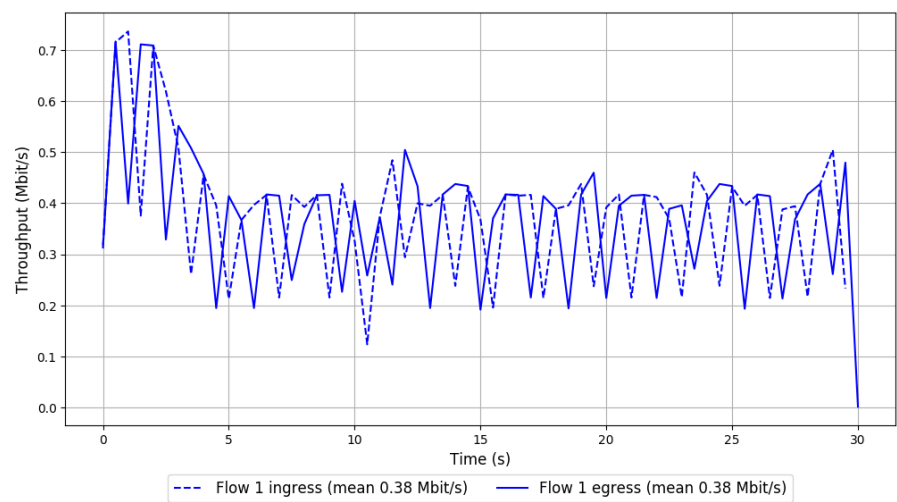
-- Flow 1:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 135.961 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2017-09-21 22:03:34

End at: 2017-09-21 22:04:04

Below is generated by plot.py at 2017-09-22 00:04:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 135.757 ms

Loss rate: 0.21%

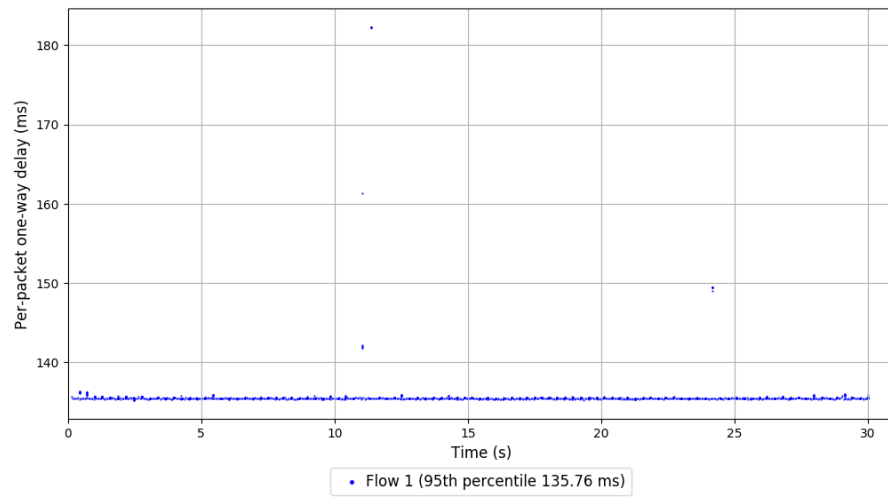
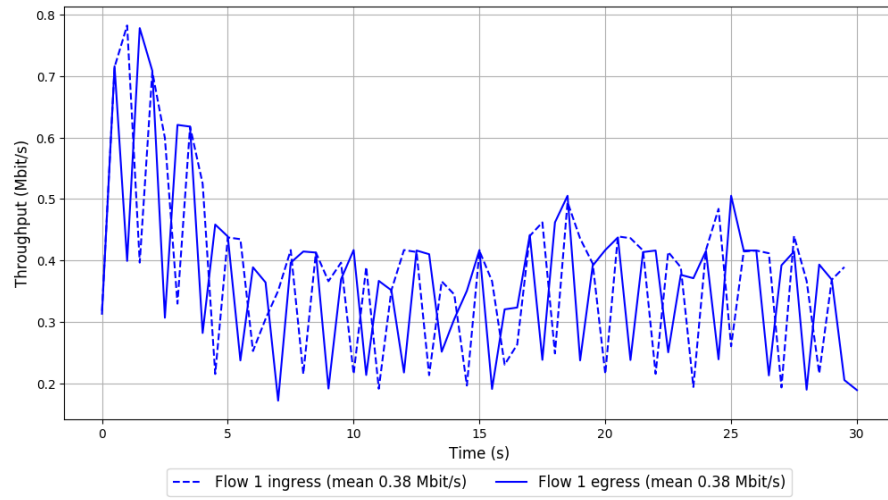
-- Flow 1:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 135.757 ms

Loss rate: 0.21%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2017-09-21 22:15:12

End at: 2017-09-21 22:15:42

Below is generated by plot.py at 2017-09-22 00:04:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 135.901 ms

Loss rate: 0.11%

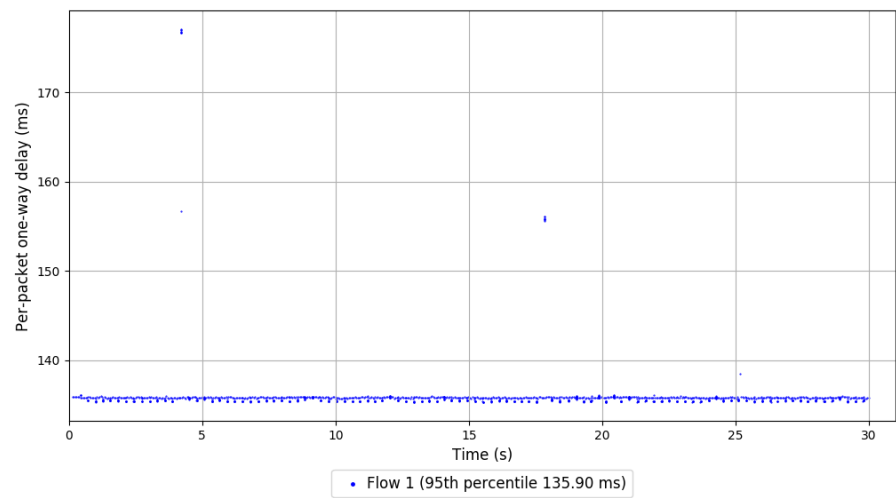
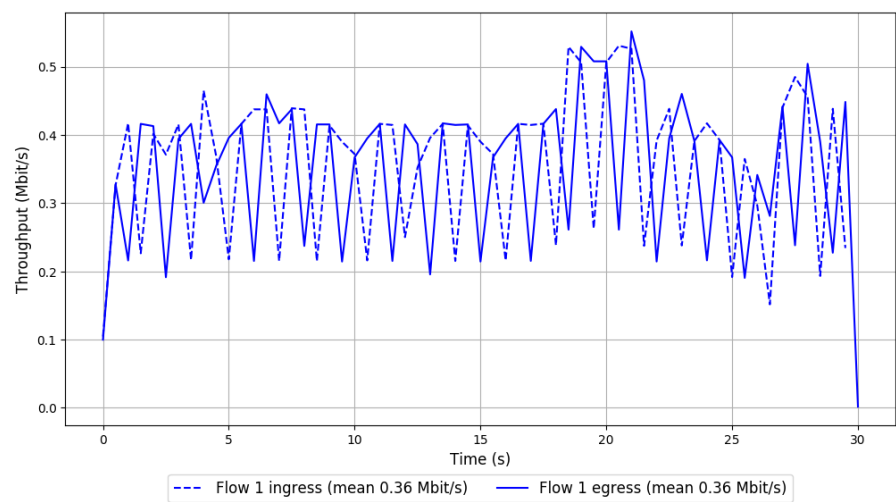
-- Flow 1:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 135.901 ms

Loss rate: 0.11%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2017-09-21 22:26:03

End at: 2017-09-21 22:26:33

Below is generated by plot.py at 2017-09-22 00:04:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 135.910 ms

Loss rate: 0.28%

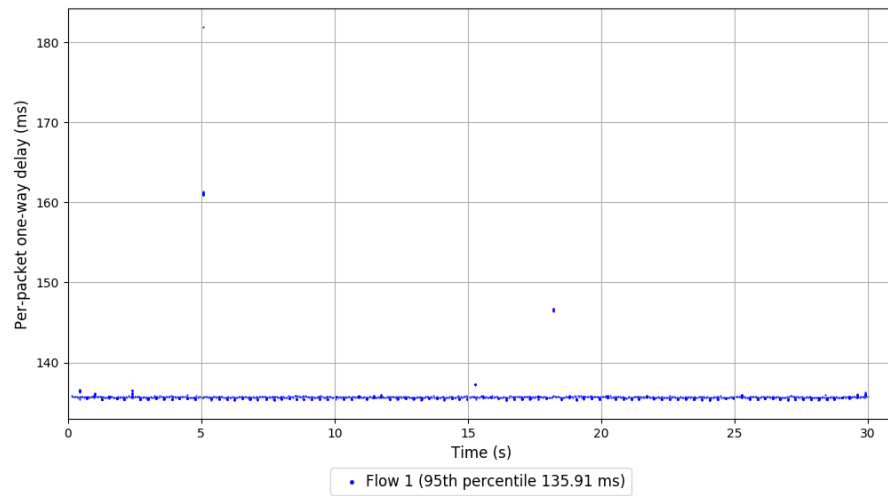
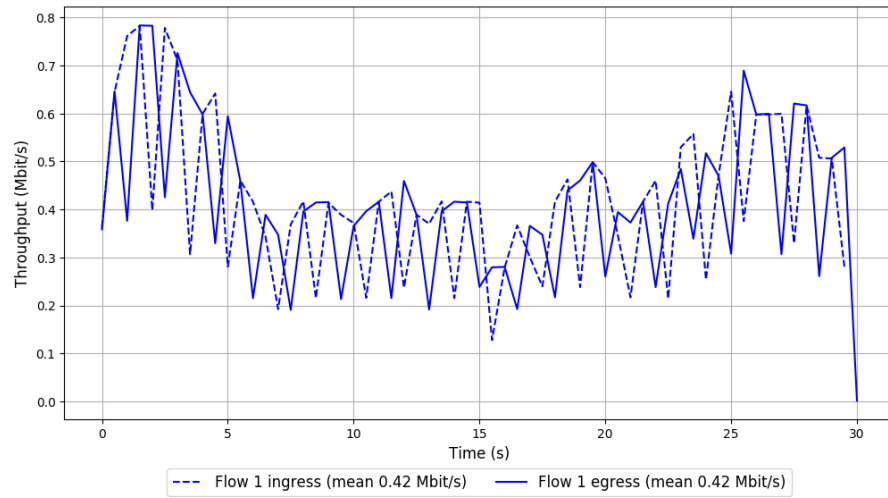
-- Flow 1:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 135.910 ms

Loss rate: 0.28%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2017-09-21 22:37:07

End at: 2017-09-21 22:37:37

Below is generated by plot.py at 2017-09-22 00:04:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.62 Mbit/s

95th percentile per-packet one-way delay: 135.900 ms

Loss rate: 0.13%

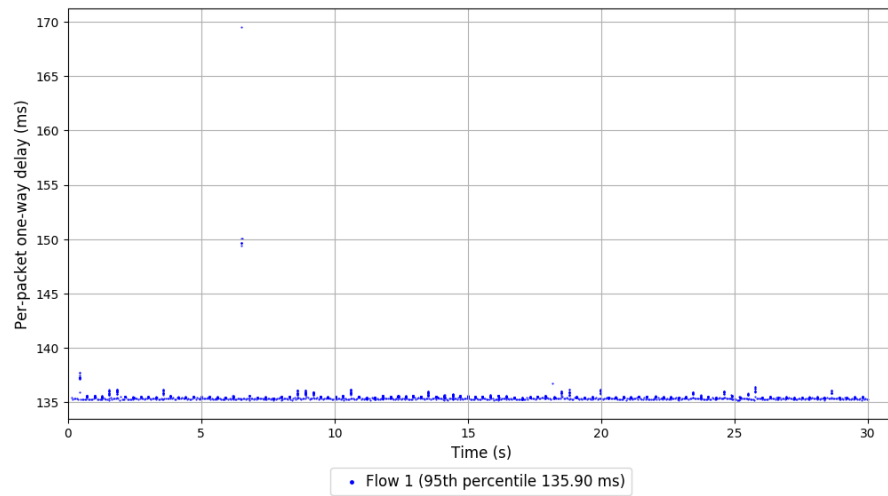
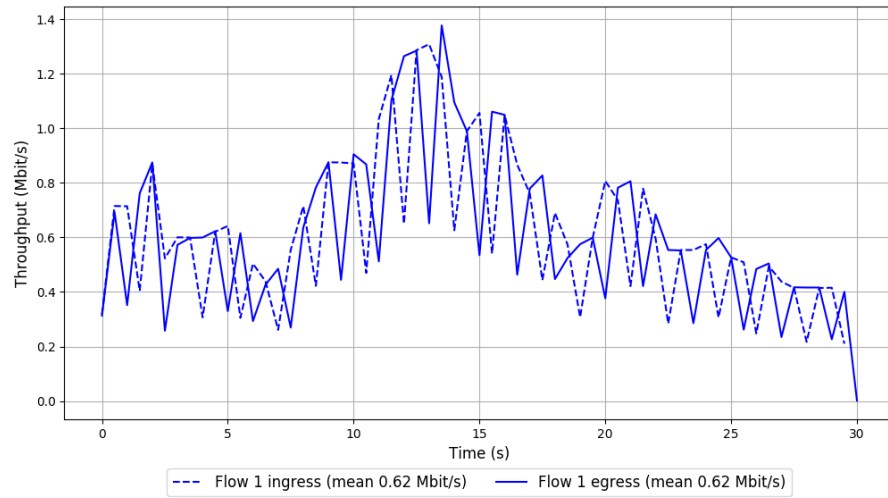
-- Flow 1:

Average throughput: 0.62 Mbit/s

95th percentile per-packet one-way delay: 135.900 ms

Loss rate: 0.13%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2017-09-21 22:48:30

End at: 2017-09-21 22:49:00

Below is generated by plot.py at 2017-09-22 00:04:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 136.591 ms

Loss rate: 0.08%

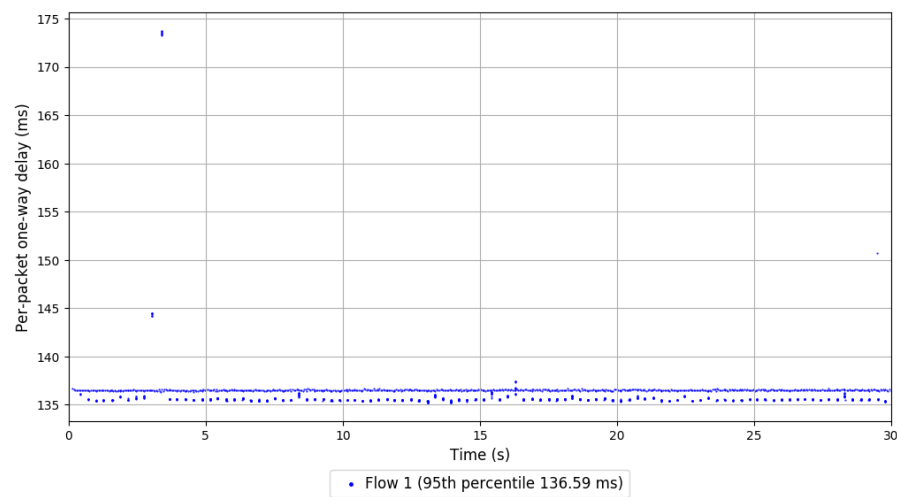
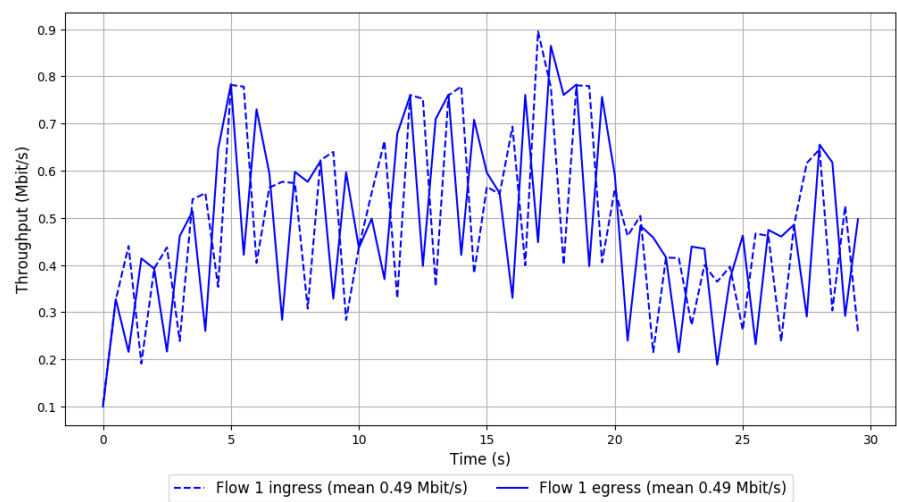
-- Flow 1:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 136.591 ms

Loss rate: 0.08%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2017-09-21 22:59:52

End at: 2017-09-21 23:00:22

Below is generated by plot.py at 2017-09-22 00:04:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 135.823 ms

Loss rate: 0.09%

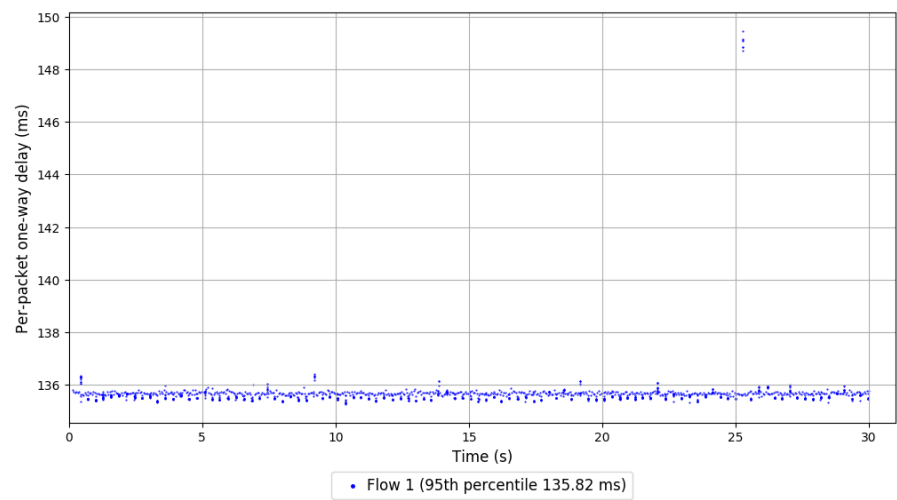
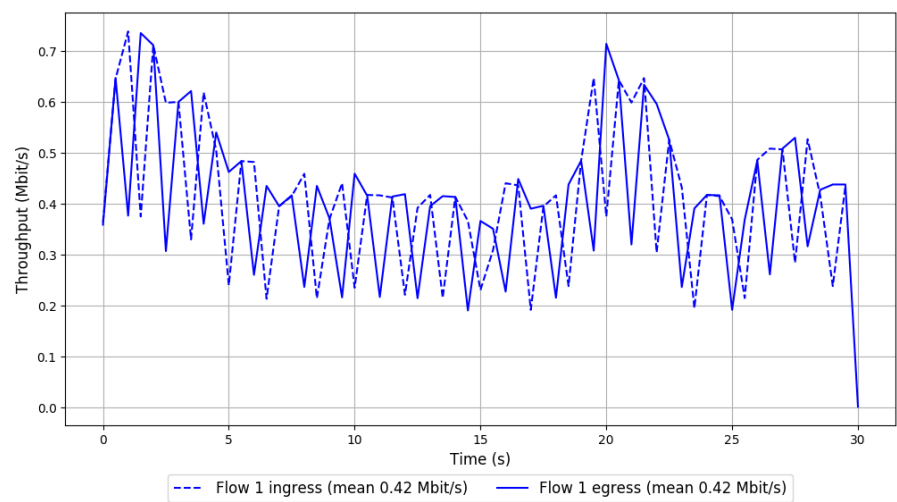
-- Flow 1:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 135.823 ms

Loss rate: 0.09%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2017-09-21 23:10:25

End at: 2017-09-21 23:10:55

Below is generated by plot.py at 2017-09-22 00:04:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 135.905 ms

Loss rate: 0.10%

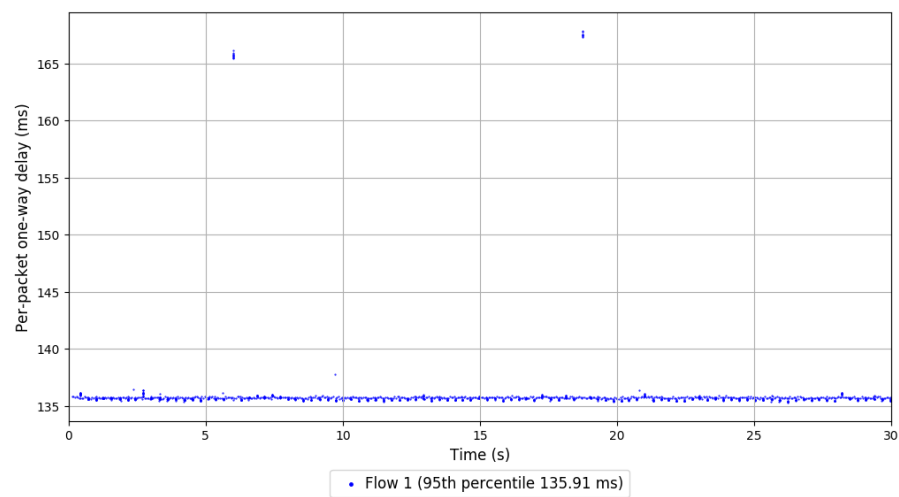
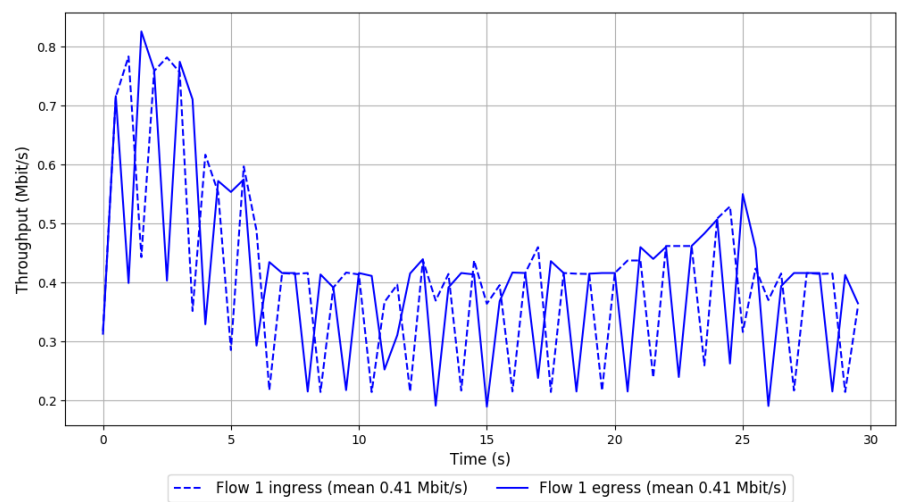
-- Flow 1:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 135.905 ms

Loss rate: 0.10%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2017-09-21 23:21:04

End at: 2017-09-21 23:21:34

Below is generated by plot.py at 2017-09-22 00:04:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 136.975 ms

Loss rate: 0.09%

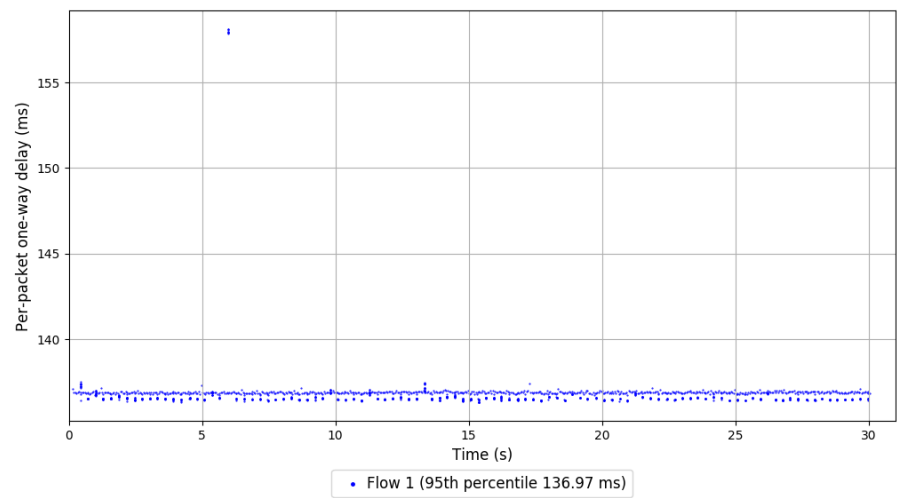
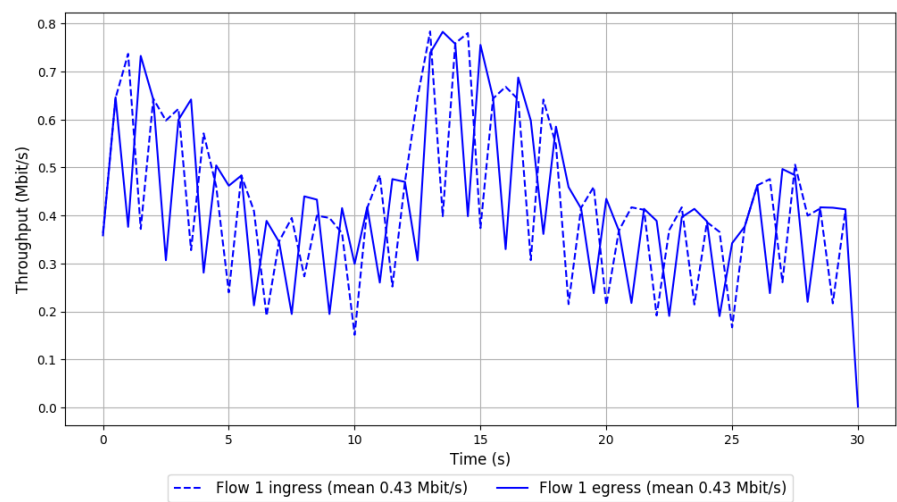
-- Flow 1:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 136.975 ms

Loss rate: 0.09%

Run 10: Report of Sprout — Data Link

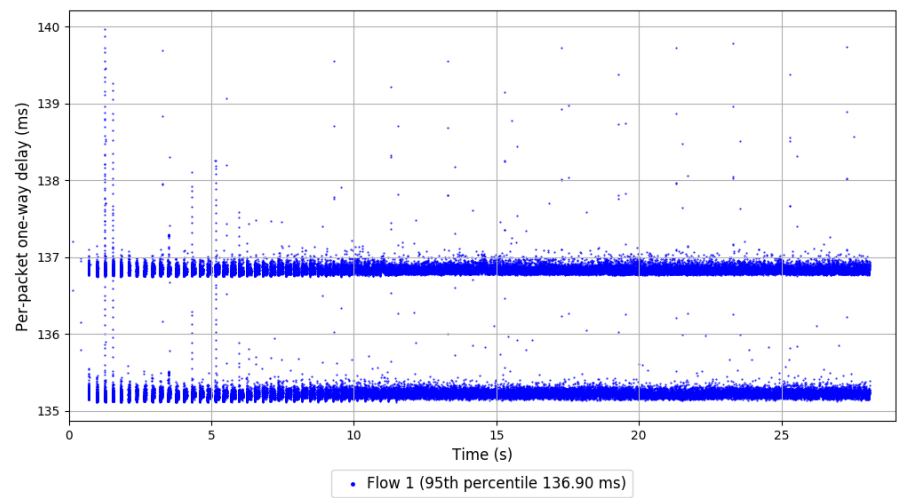
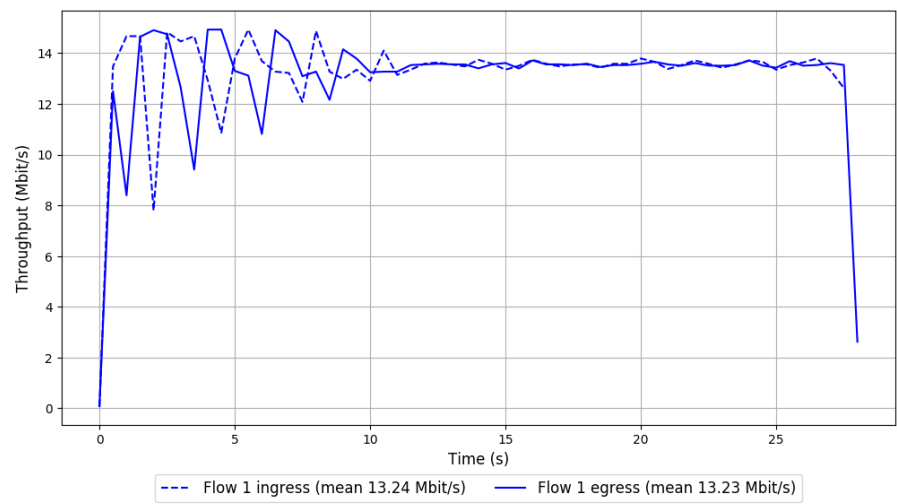


```
Run 1: Statistics of TaoVA-100x

Start at: 2017-09-21 21:36:20
End at: 2017-09-21 21:36:50

# Below is generated by plot.py at 2017-09-22 00:04:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.23 Mbit/s
95th percentile per-packet one-way delay: 136.904 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 13.23 Mbit/s
95th percentile per-packet one-way delay: 136.904 ms
Loss rate: 0.10%
```


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

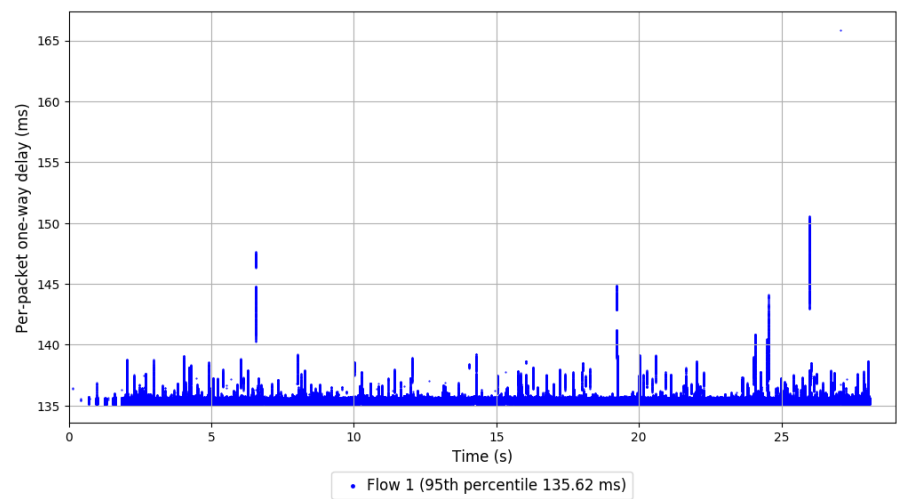
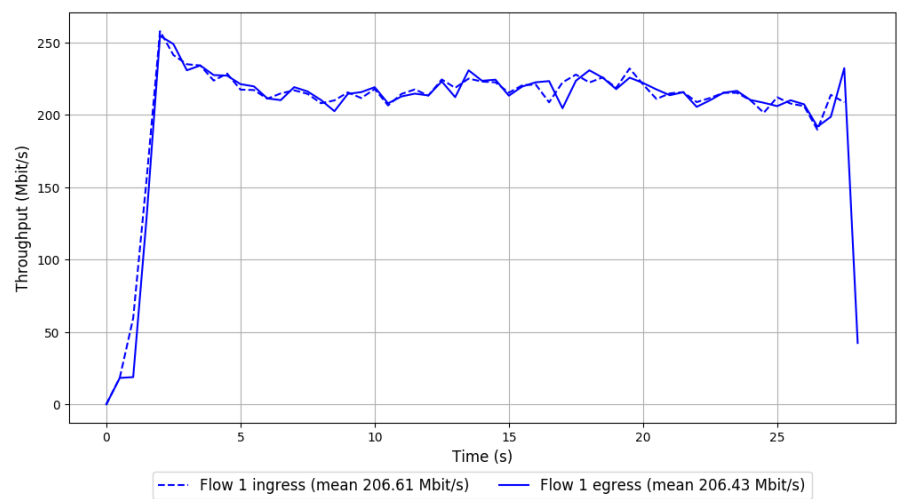


```
Run 2: Statistics of TaoVA-100x

Start at: 2017-09-21 21:47:13
End at: 2017-09-21 21:47:43

# Below is generated by plot.py at 2017-09-22 00:08:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 206.43 Mbit/s
95th percentile per-packet one-way delay: 135.619 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 206.43 Mbit/s
95th percentile per-packet one-way delay: 135.619 ms
Loss rate: 0.09%
```

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

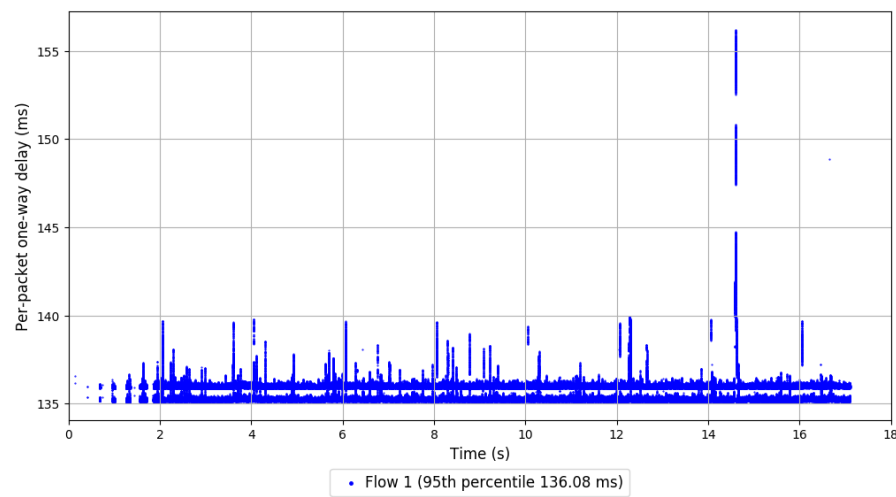
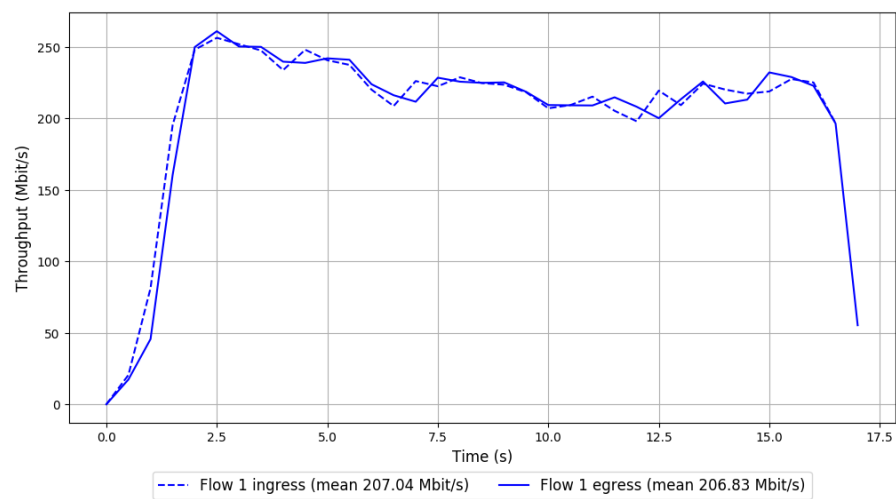


Run 3: Statistics of TaoVA-100x

Start at: 2017-09-21 21:58:30

End at: 2017-09-21 21:59:00

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



Run 4: Statistics of TaoVA-100x

Start at: 2017-09-21 22:09:43

End at: 2017-09-21 22:10:13

Below is generated by plot.py at 2017-09-22 00:08:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 201.32 Mbit/s

95th percentile per-packet one-way delay: 136.057 ms

Loss rate: 0.10%

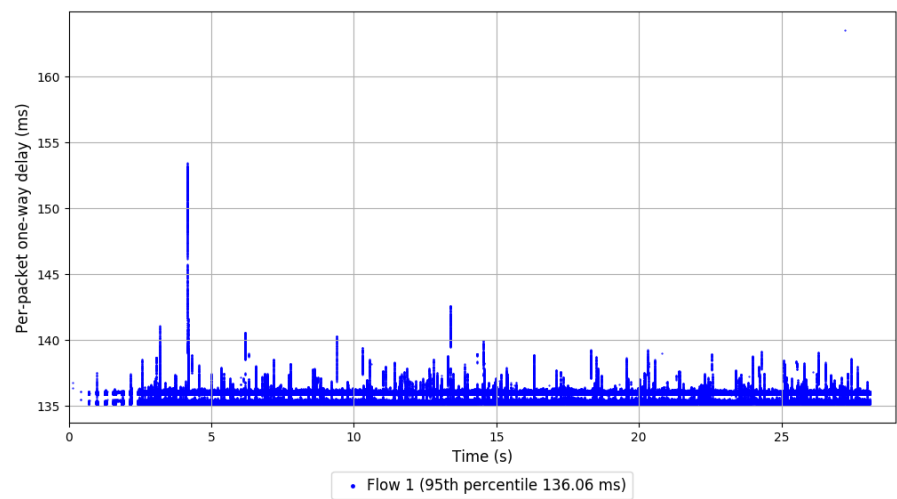
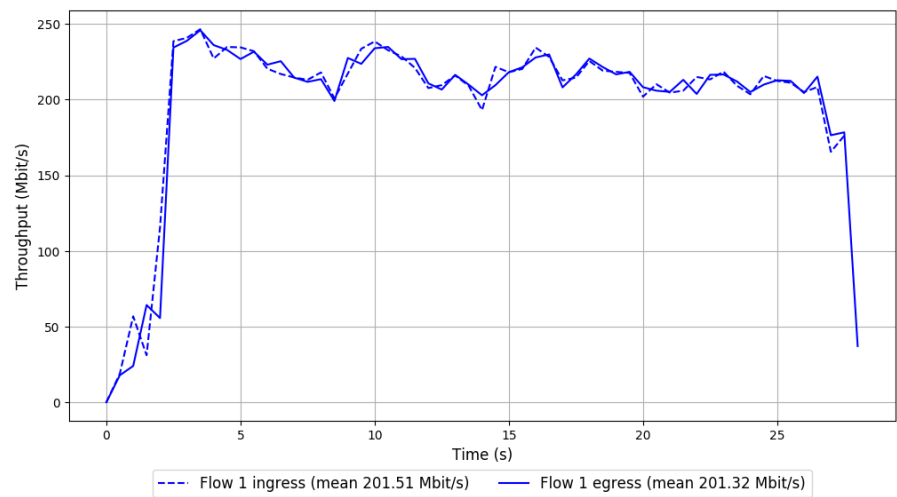
-- Flow 1:

Average throughput: 201.32 Mbit/s

95th percentile per-packet one-way delay: 136.057 ms

Loss rate: 0.10%

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

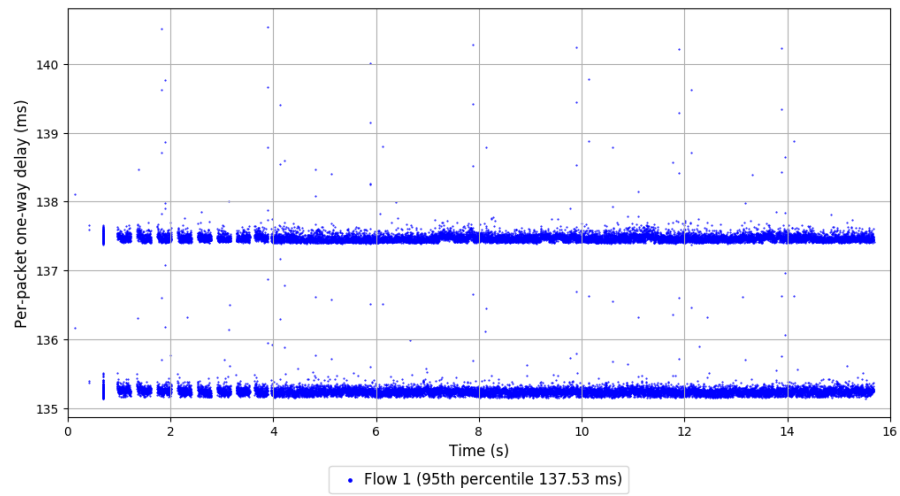
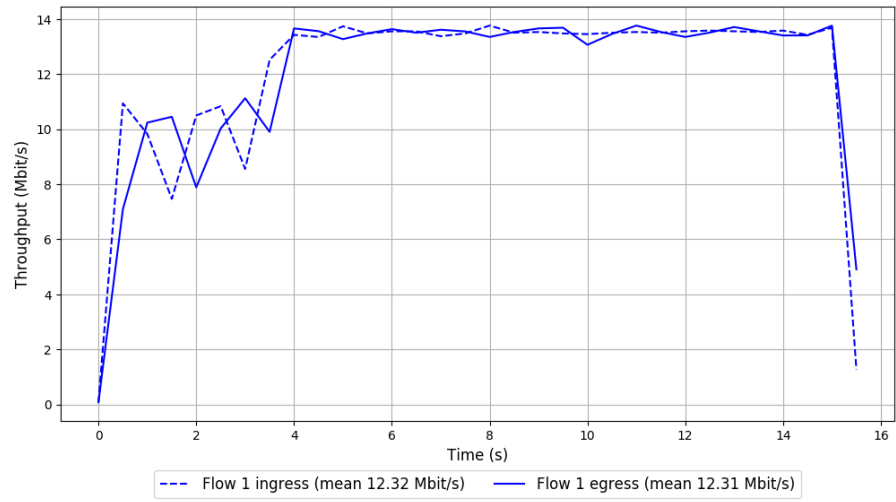


Run 5: Statistics of TaoVA-100x

Start at: 2017-09-21 22:21:21

End at: 2017-09-21 22:21:51

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

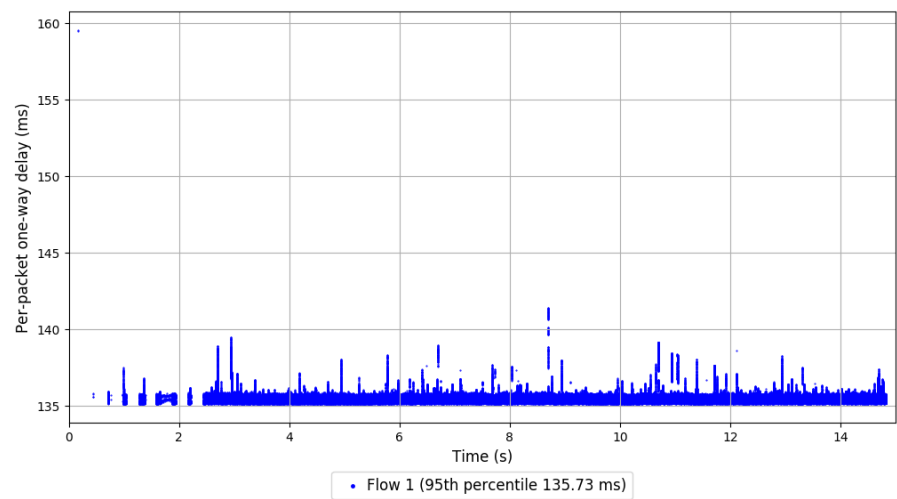
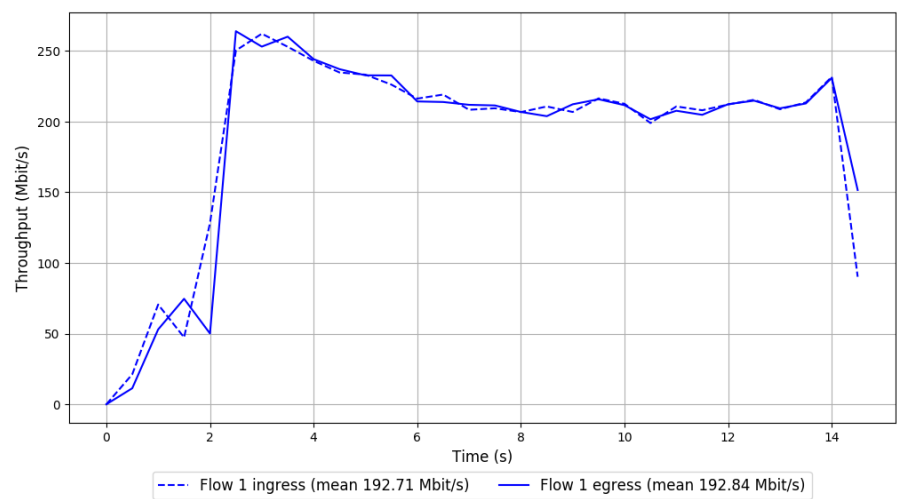


Run 6: Statistics of TaoVA-100x

Start at: 2017-09-21 22:32:11

End at: 2017-09-21 22:32:41

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

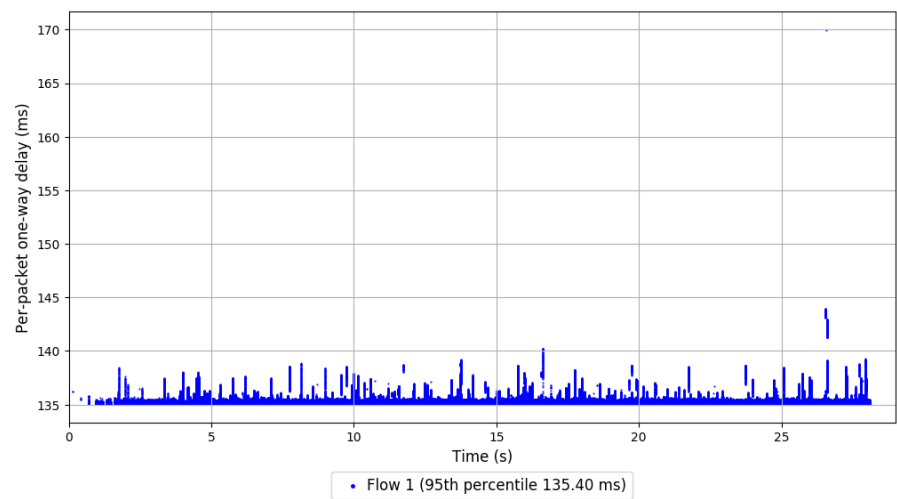
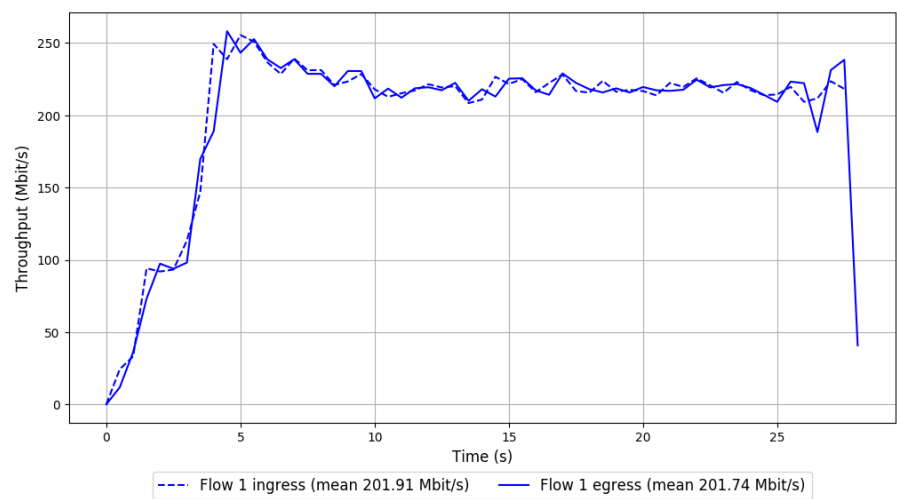


```
Run 7: Statistics of TaoVA-100x

Start at: 2017-09-21 22:43:15
End at: 2017-09-21 22:43:45

# Below is generated by plot.py at 2017-09-22 00:09:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 201.74 Mbit/s
95th percentile per-packet one-way delay: 135.396 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 201.74 Mbit/s
95th percentile per-packet one-way delay: 135.396 ms
Loss rate: 0.09%
```

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



Run 8: Statistics of TaoVA-100x

Start at: 2017-09-21 22:54:42

End at: 2017-09-21 22:55:12

Below is generated by plot.py at 2017-09-22 00:10:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.50 Mbit/s

95th percentile per-packet one-way delay: 136.054 ms

Loss rate: 0.10%

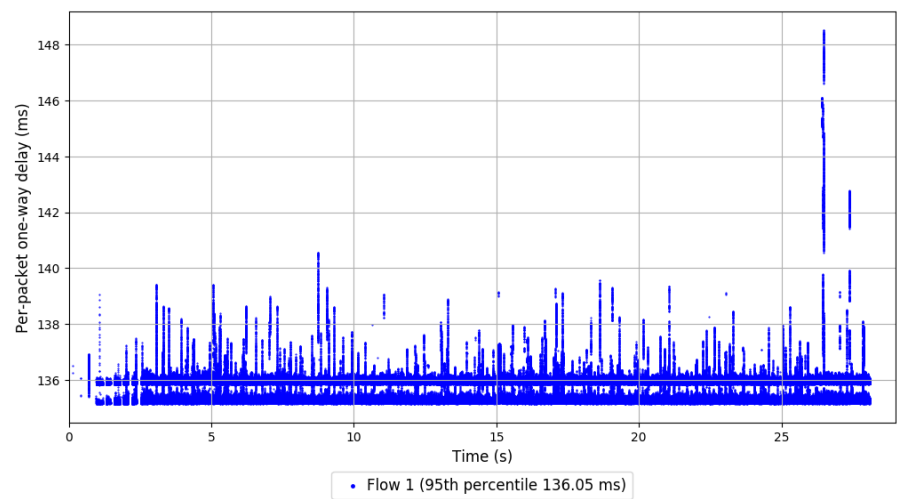
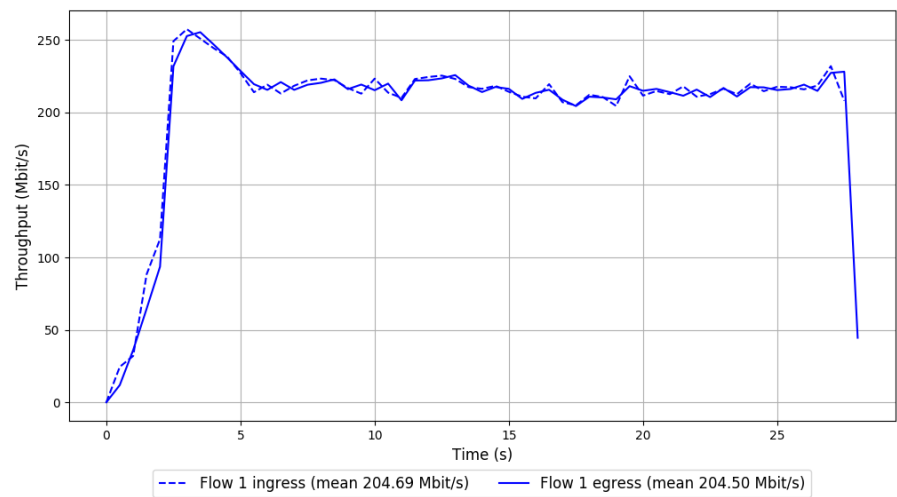
-- Flow 1:

Average throughput: 204.50 Mbit/s

95th percentile per-packet one-way delay: 136.054 ms

Loss rate: 0.10%

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



Run 9: Statistics of TaoVA-100x

Start at: 2017-09-21 23:06:00

End at: 2017-09-21 23:06:30

Below is generated by plot.py at 2017-09-22 00:10:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.42 Mbit/s

95th percentile per-packet one-way delay: 135.565 ms

Loss rate: 0.07%

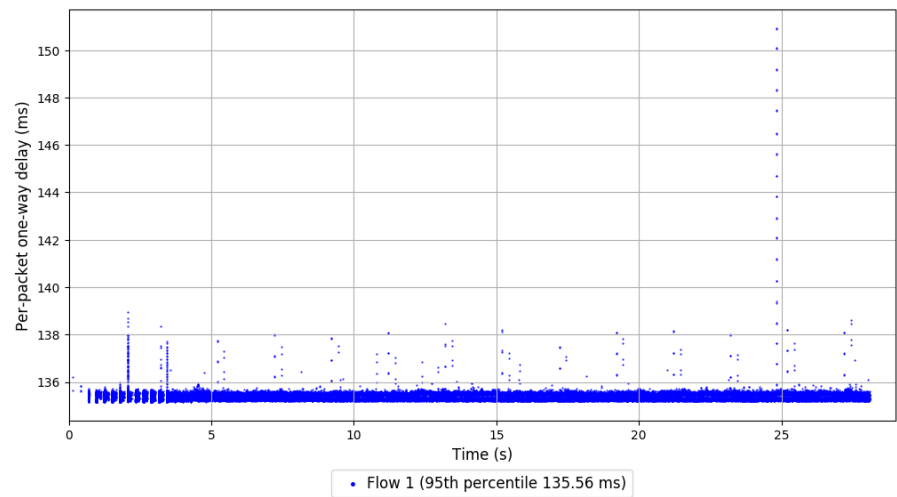
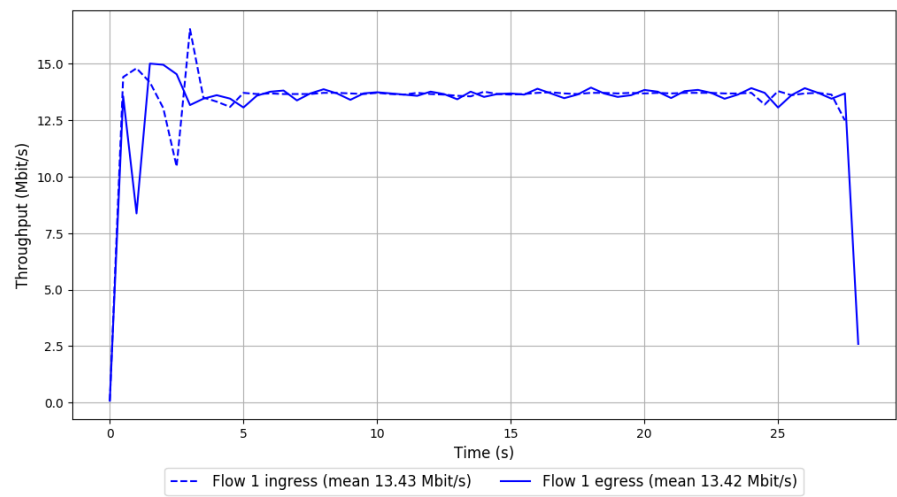
-- Flow 1:

Average throughput: 13.42 Mbit/s

95th percentile per-packet one-way delay: 135.565 ms

Loss rate: 0.07%

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

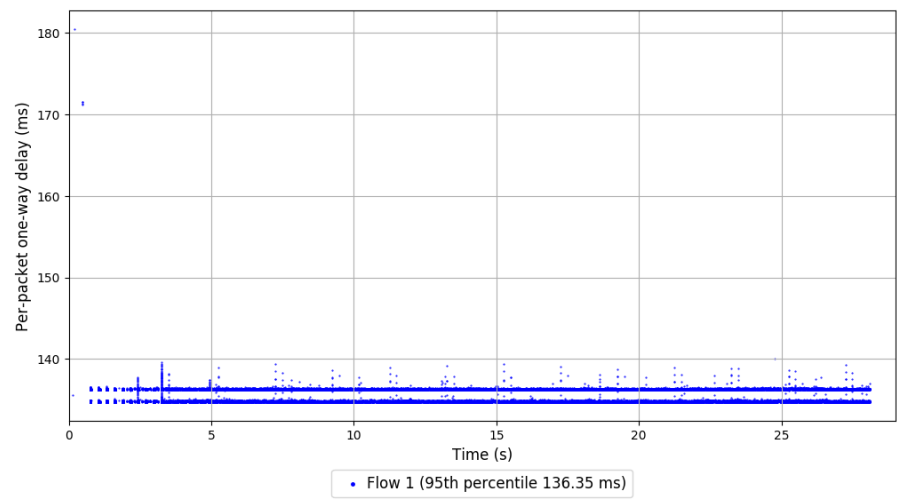
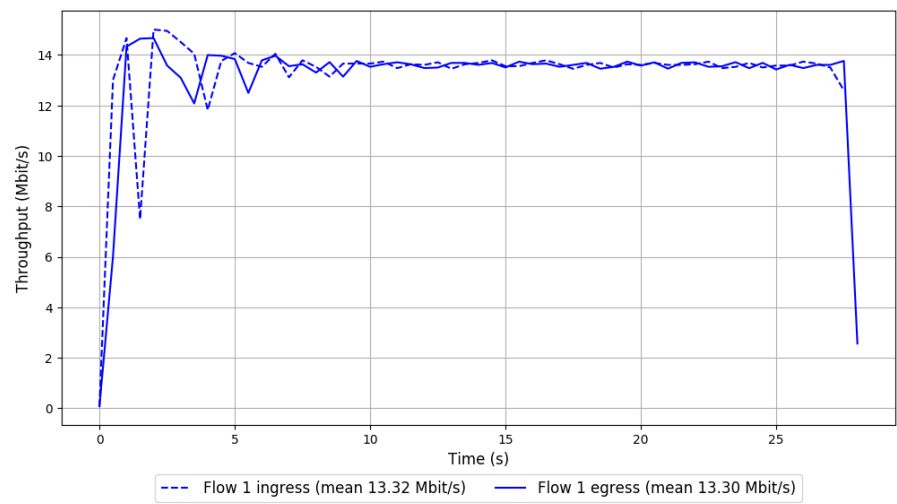


```
Run 10: Statistics of TaoVA-100x

Start at: 2017-09-21 23:16:34
End at: 2017-09-21 23:17:04

# Below is generated by plot.py at 2017-09-22 00:10:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.30 Mbit/s
95th percentile per-packet one-way delay: 136.352 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 13.30 Mbit/s
95th percentile per-packet one-way delay: 136.352 ms
Loss rate: 0.10%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2017-09-21 21:33:29

End at: 2017-09-21 21:33:59

Below is generated by plot.py at 2017-09-22 00:10:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.42 Mbit/s

95th percentile per-packet one-way delay: 136.322 ms

Loss rate: 0.09%

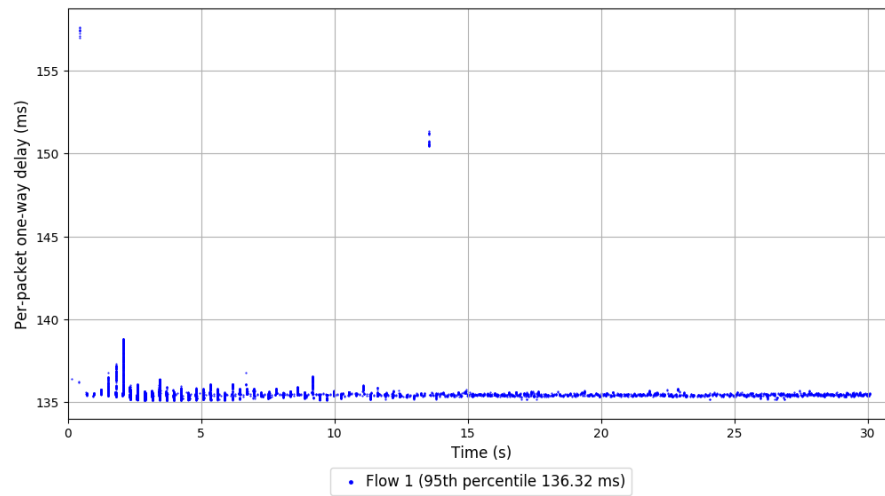
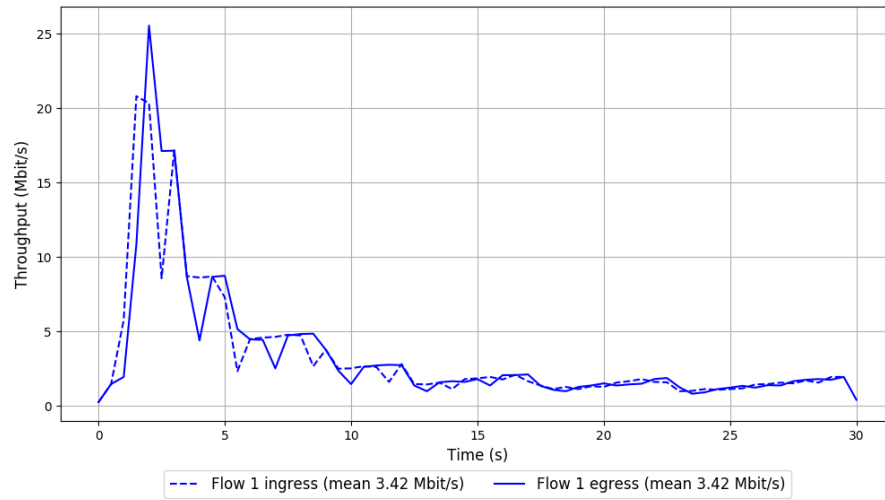
-- Flow 1:

Average throughput: 3.42 Mbit/s

95th percentile per-packet one-way delay: 136.322 ms

Loss rate: 0.09%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2017-09-21 21:44:23

End at: 2017-09-21 21:44:53

Below is generated by plot.py at 2017-09-22 00:10:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.66 Mbit/s

95th percentile per-packet one-way delay: 135.923 ms

Loss rate: 0.48%

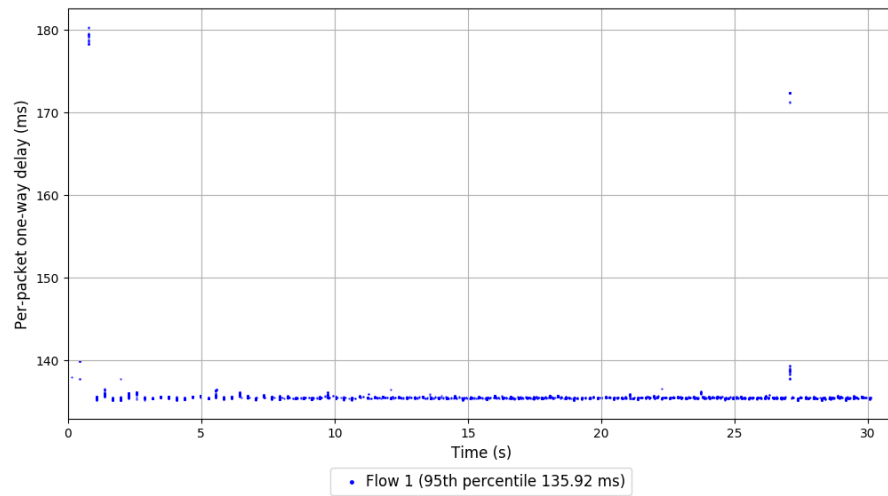
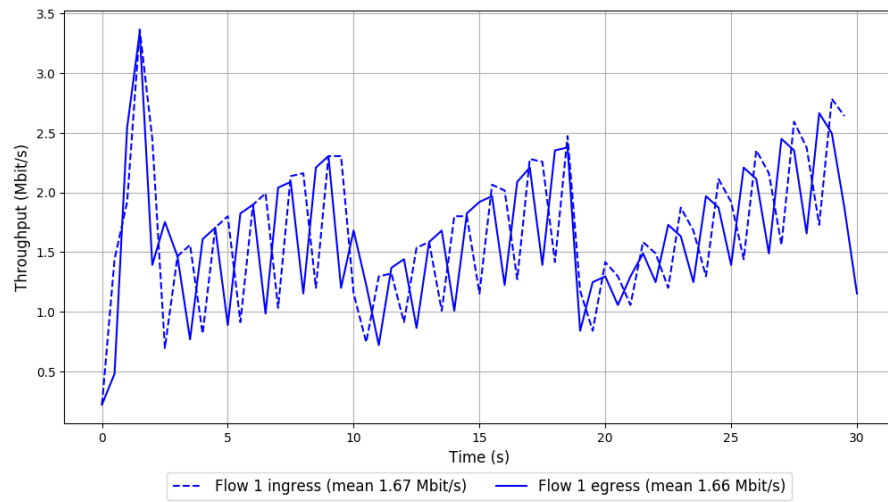
-- Flow 1:

Average throughput: 1.66 Mbit/s

95th percentile per-packet one-way delay: 135.923 ms

Loss rate: 0.48%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2017-09-21 21:55:39

End at: 2017-09-21 21:56:09

Below is generated by plot.py at 2017-09-22 00:10:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.66 Mbit/s

95th percentile per-packet one-way delay: 137.493 ms

Loss rate: 2.21%

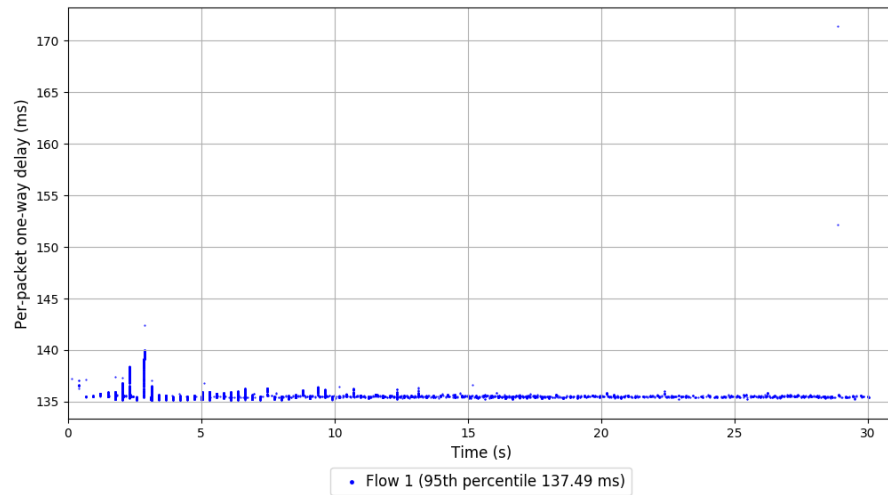
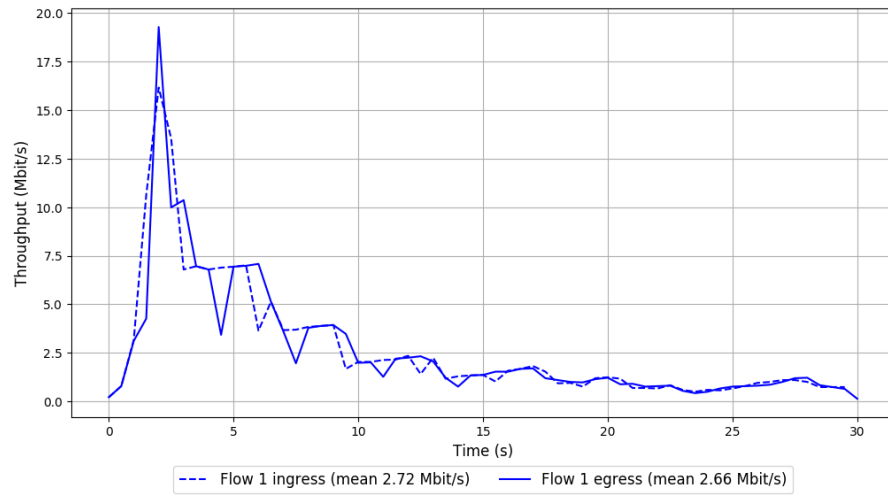
-- Flow 1:

Average throughput: 2.66 Mbit/s

95th percentile per-packet one-way delay: 137.493 ms

Loss rate: 2.21%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2017-09-21 22:06:52

End at: 2017-09-21 22:07:22

Below is generated by plot.py at 2017-09-22 00:10:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.17 Mbit/s

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

Loss rate: 0.17%

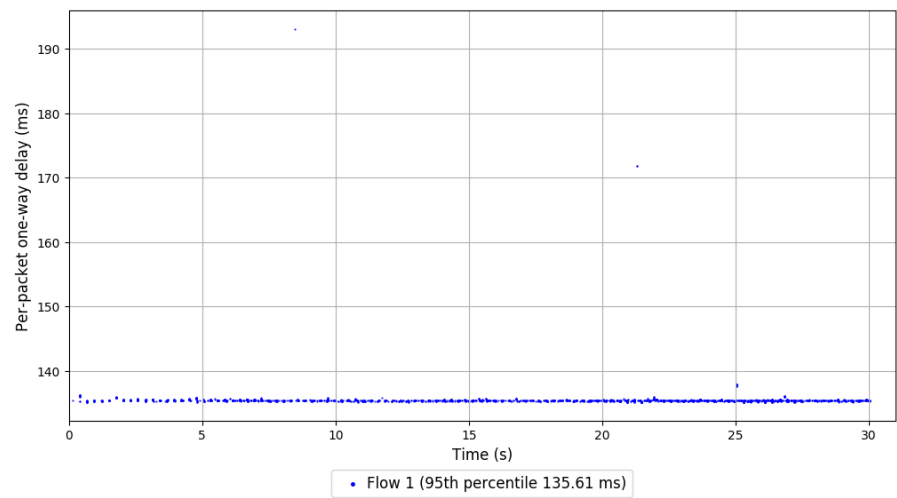
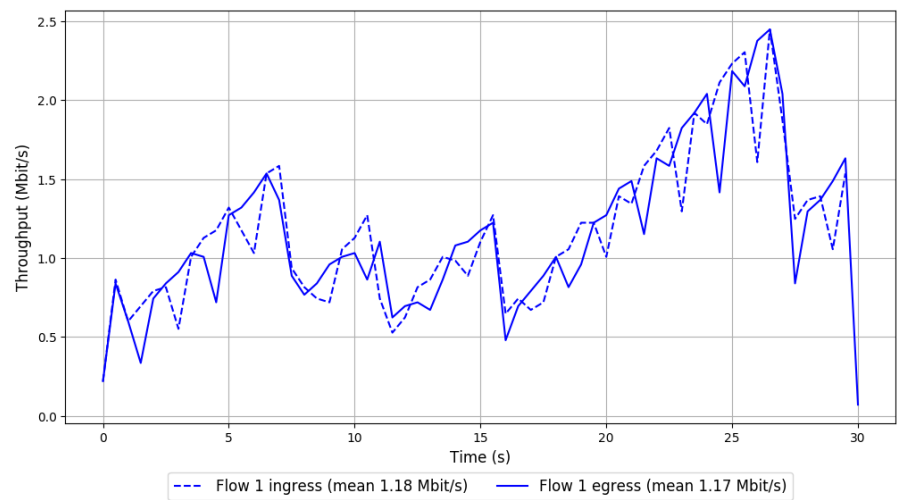
-- Flow 1:

Average throughput: 1.17 Mbit/s

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

Loss rate: 0.17%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2017-09-21 22:18:30

End at: 2017-09-21 22:19:00

Below is generated by plot.py at 2017-09-22 00:10:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 135.741 ms

Loss rate: 3.62%

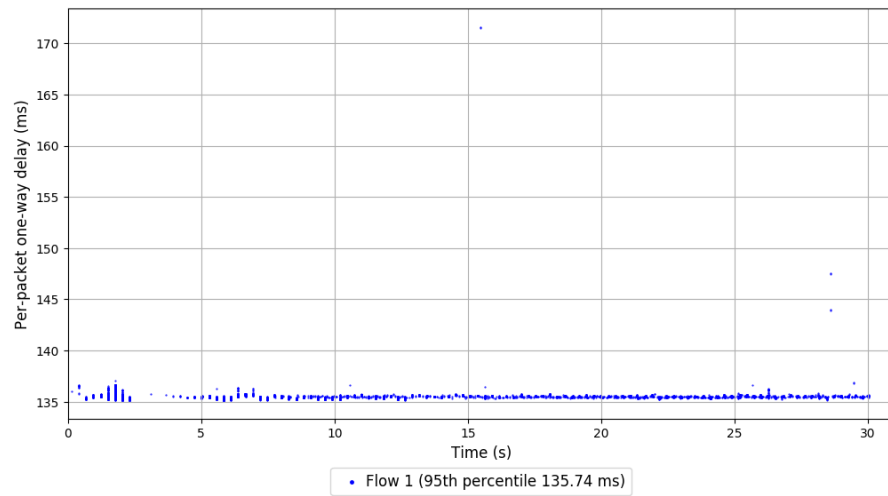
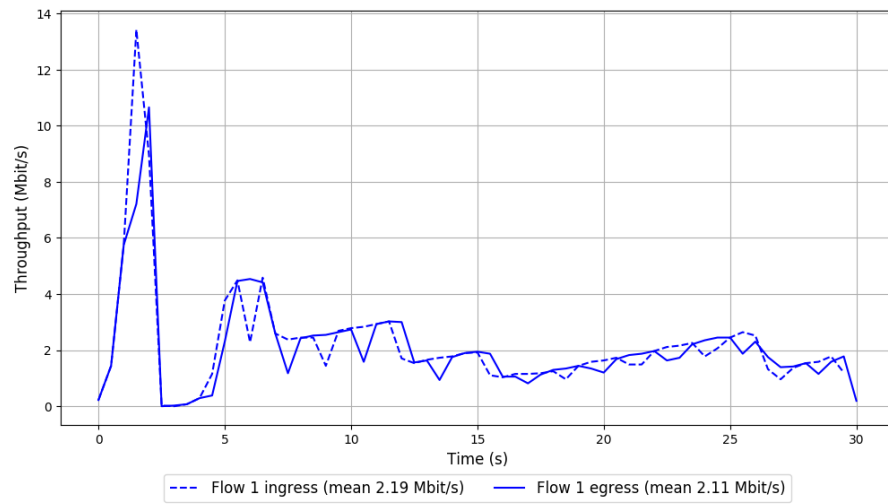
-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 135.741 ms

Loss rate: 3.62%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2017-09-21 22:29:20

End at: 2017-09-21 22:29:50

Below is generated by plot.py at 2017-09-22 00:10:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 136.371 ms

Loss rate: 0.30%

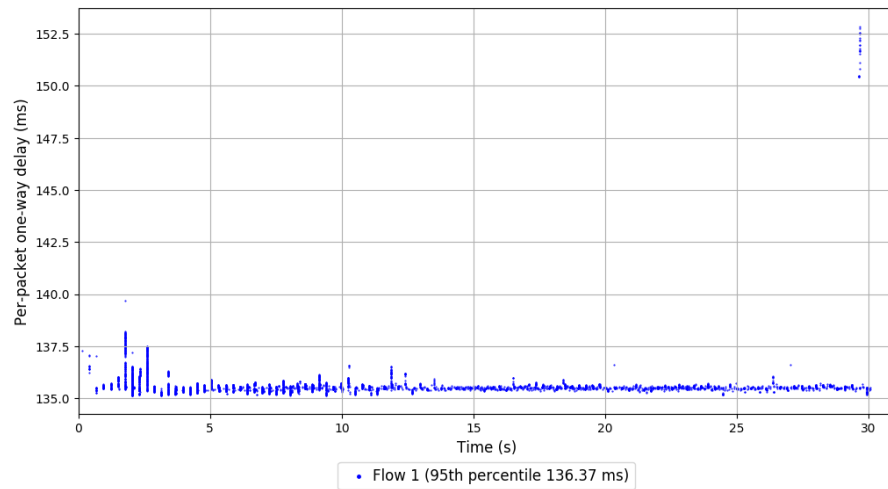
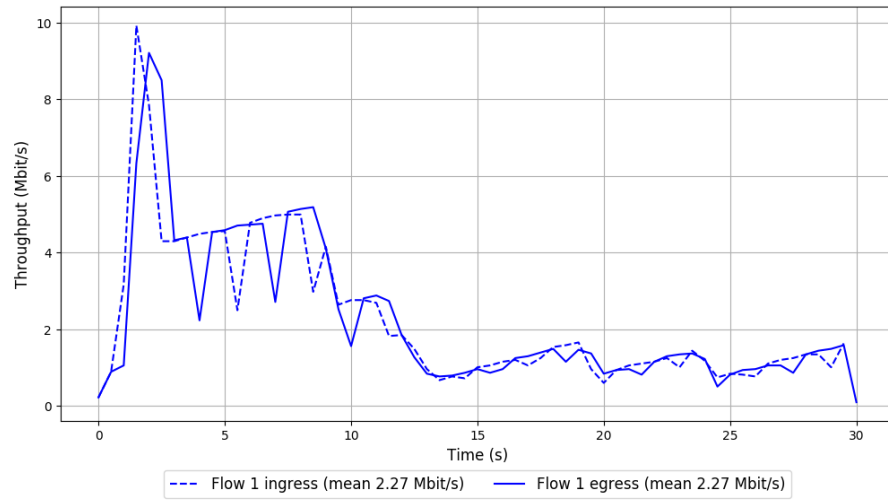
-- Flow 1:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 136.371 ms

Loss rate: 0.30%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2017-09-21 22:40:25

End at: 2017-09-21 22:40:55

Below is generated by plot.py at 2017-09-22 00:10:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.37 Mbit/s

95th percentile per-packet one-way delay: 135.806 ms

Loss rate: 0.29%

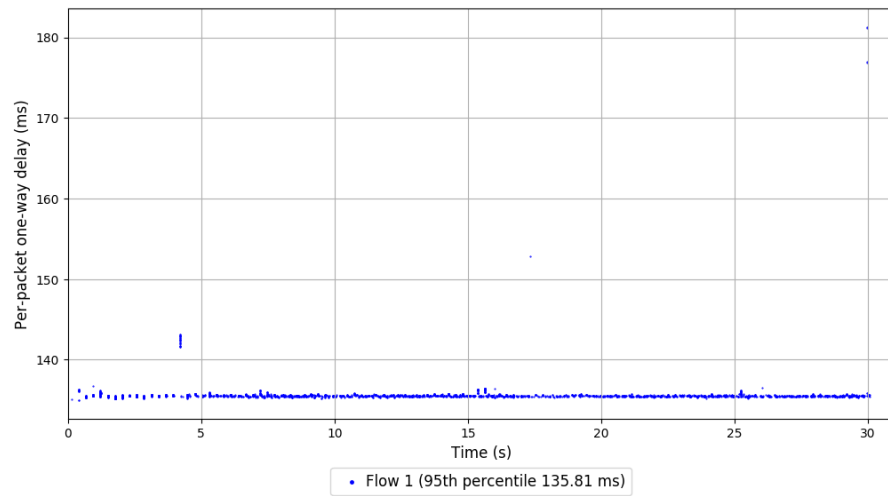
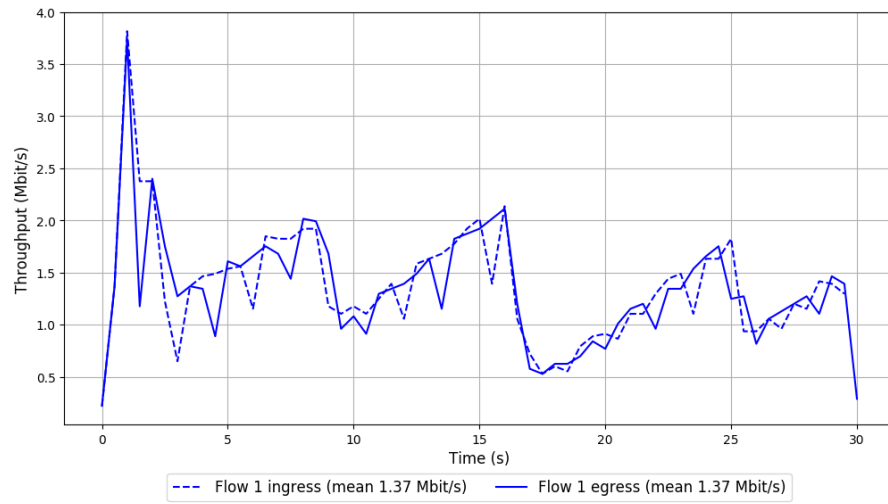
-- Flow 1:

Average throughput: 1.37 Mbit/s

95th percentile per-packet one-way delay: 135.806 ms

Loss rate: 0.29%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2017-09-21 22:51:50

End at: 2017-09-21 22:52:20

Below is generated by plot.py at 2017-09-22 00:10:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.57 Mbit/s

95th percentile per-packet one-way delay: 138.524 ms

Loss rate: 0.85%

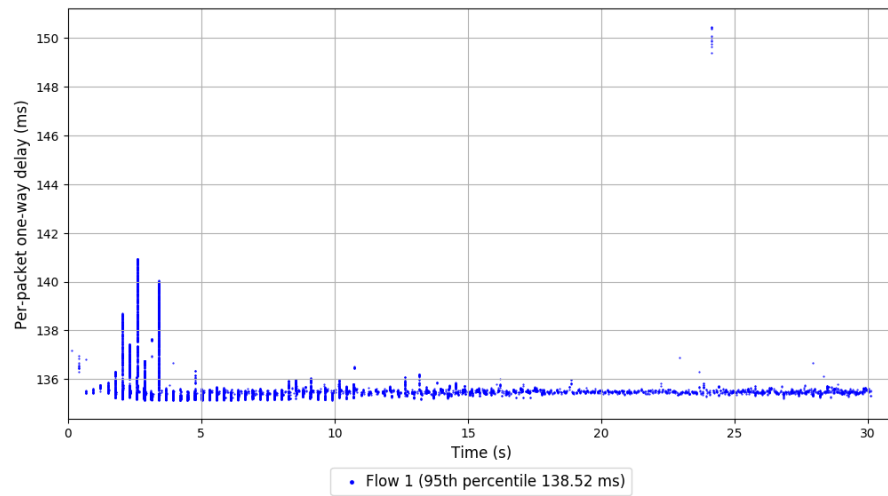
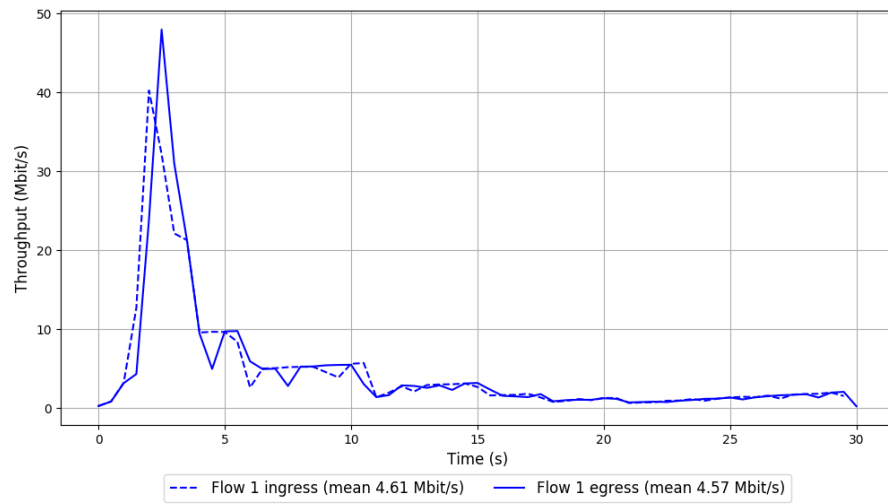
-- Flow 1:

Average throughput: 4.57 Mbit/s

95th percentile per-packet one-way delay: 138.524 ms

Loss rate: 0.85%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2017-09-21 23:03:09

End at: 2017-09-21 23:03:39

Below is generated by plot.py at 2017-09-22 00:10:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.14 Mbit/s

95th percentile per-packet one-way delay: 137.337 ms

Loss rate: 0.11%

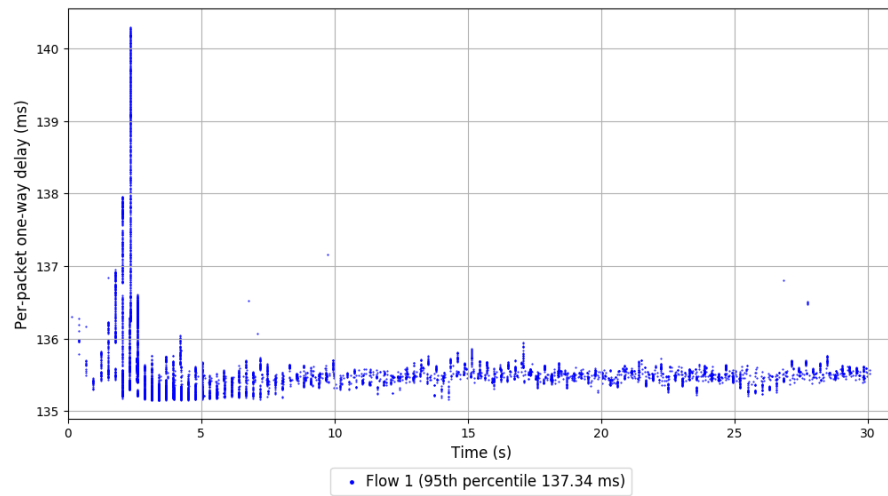
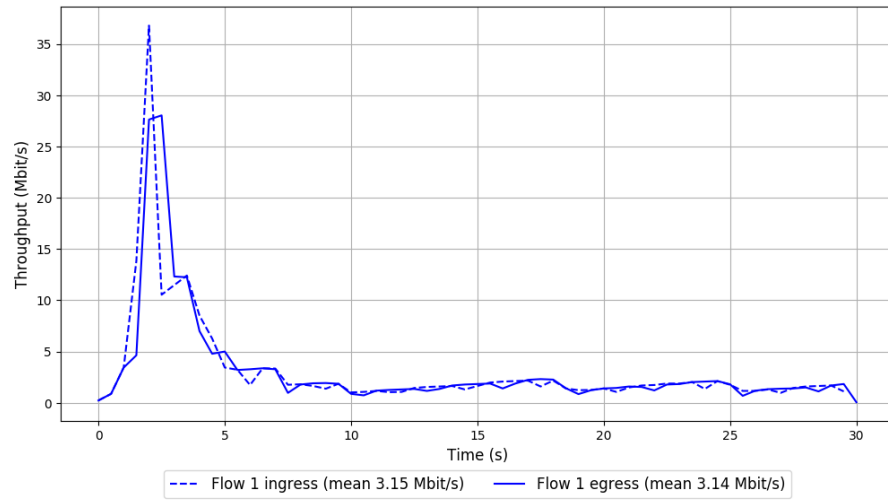
-- Flow 1:

Average throughput: 3.14 Mbit/s

95th percentile per-packet one-way delay: 137.337 ms

Loss rate: 0.11%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2017-09-21 23:13:43

End at: 2017-09-21 23:14:13

Below is generated by plot.py at 2017-09-22 00:10:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 135.928 ms

Loss rate: 1.38%

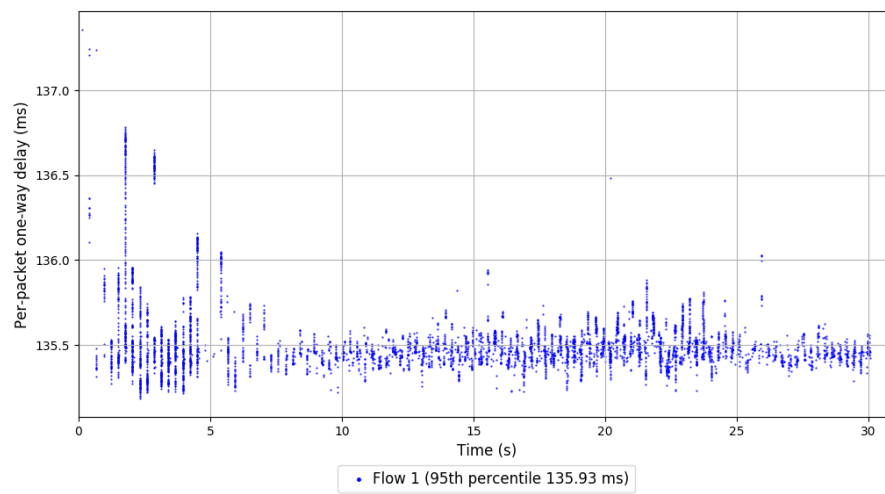
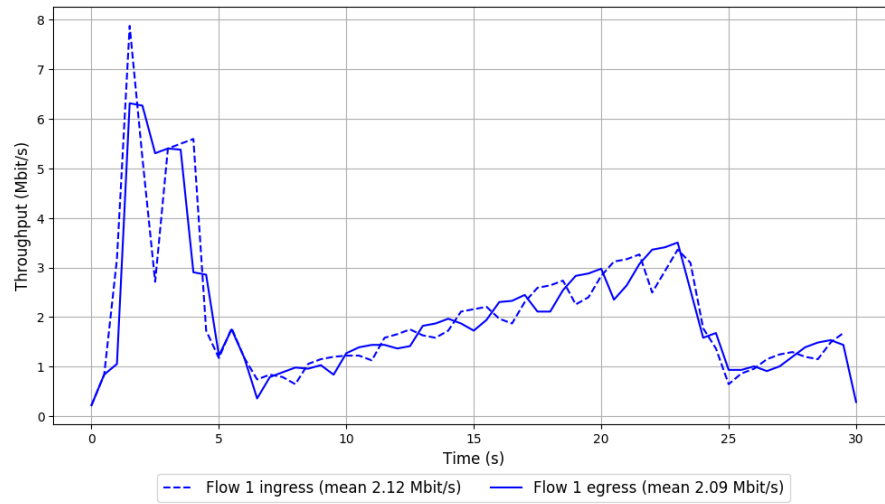
-- Flow 1:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 135.928 ms

Loss rate: 1.38%

Run 10: Report of TCP Vegas — Data Link

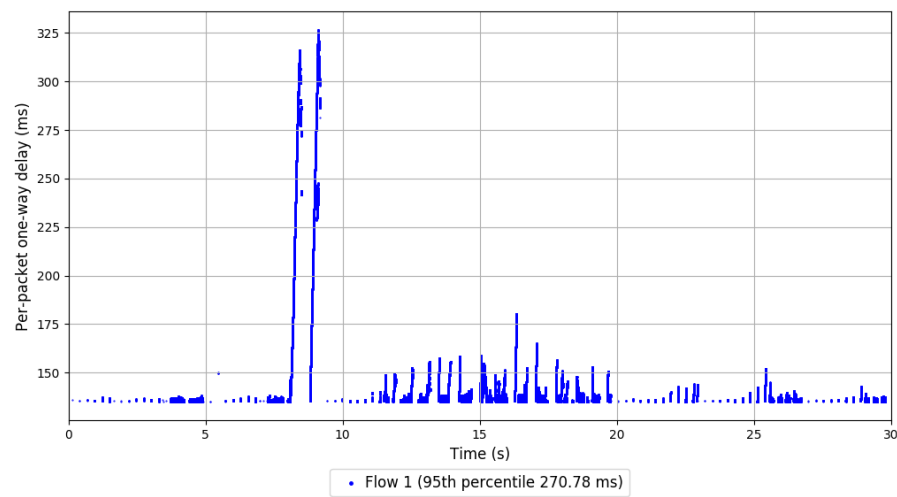
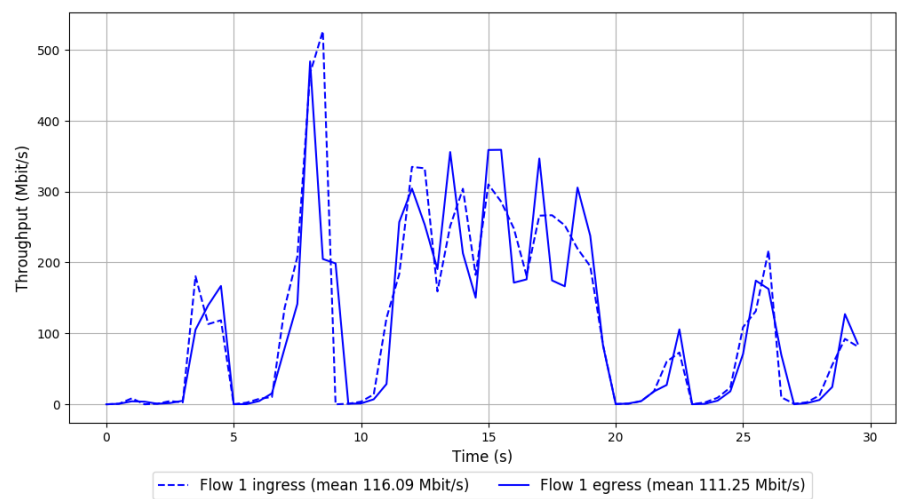


```
Run 1: Statistics of Verus

Start at: 2017-09-21 21:39:30
End at: 2017-09-21 21:40:00

# Below is generated by plot.py at 2017-09-22 00:10:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 111.25 Mbit/s
95th percentile per-packet one-way delay: 270.777 ms
Loss rate: 4.16%
-- Flow 1:
Average throughput: 111.25 Mbit/s
95th percentile per-packet one-way delay: 270.777 ms
Loss rate: 4.16%
```


Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2017-09-21 21:50:48

End at: 2017-09-21 21:51:18

Below is generated by plot.py at 2017-09-22 00:10:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.54 Mbit/s

95th percentile per-packet one-way delay: 255.660 ms

Loss rate: 6.64%

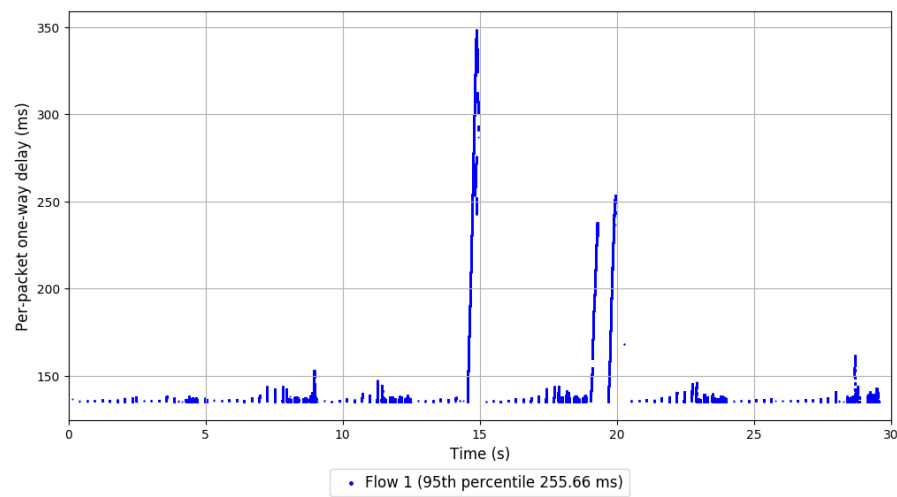
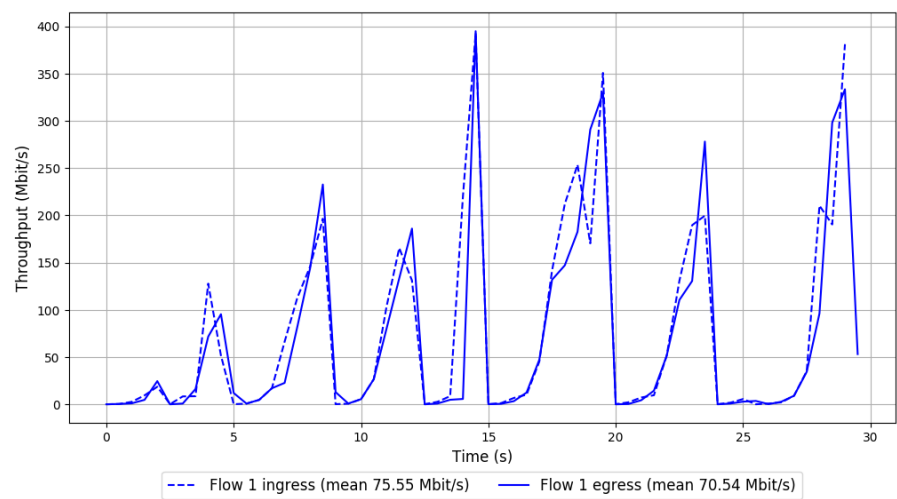
-- Flow 1:

Average throughput: 70.54 Mbit/s

95th percentile per-packet one-way delay: 255.660 ms

Loss rate: 6.64%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2017-09-21 22:01:59

End at: 2017-09-21 22:02:30

Below is generated by plot.py at 2017-09-22 00:10:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.28 Mbit/s

95th percentile per-packet one-way delay: 150.997 ms

Loss rate: 0.16%

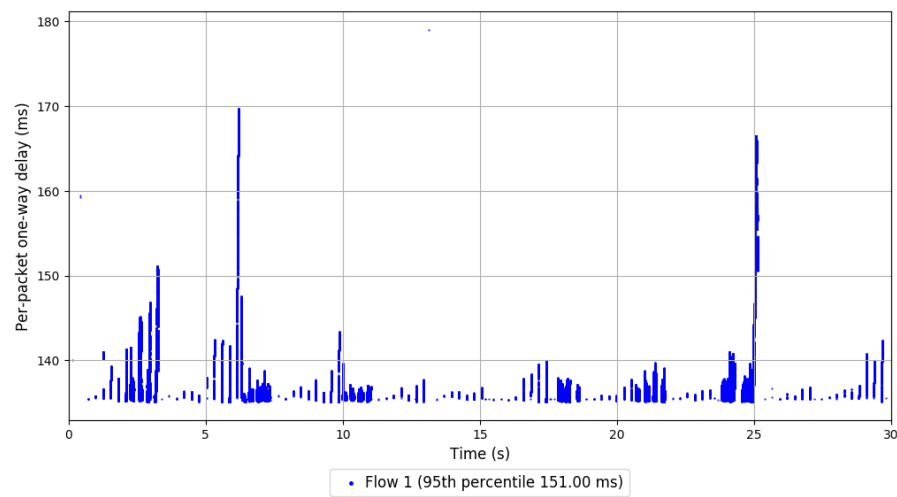
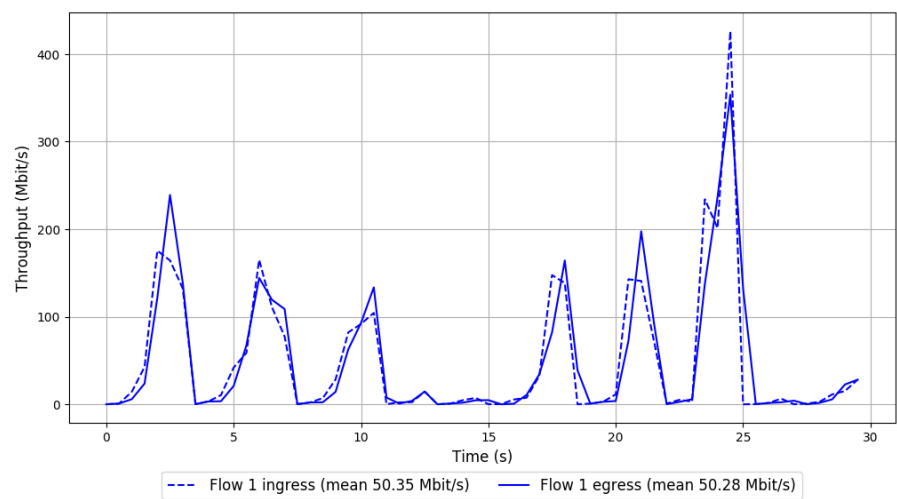
-- Flow 1:

Average throughput: 50.28 Mbit/s

95th percentile per-packet one-way delay: 150.997 ms

Loss rate: 0.16%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2017-09-21 22:13:17

End at: 2017-09-21 22:13:47

Below is generated by plot.py at 2017-09-22 00:11:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 302.65 Mbit/s

95th percentile per-packet one-way delay: 226.767 ms

Loss rate: 2.57%

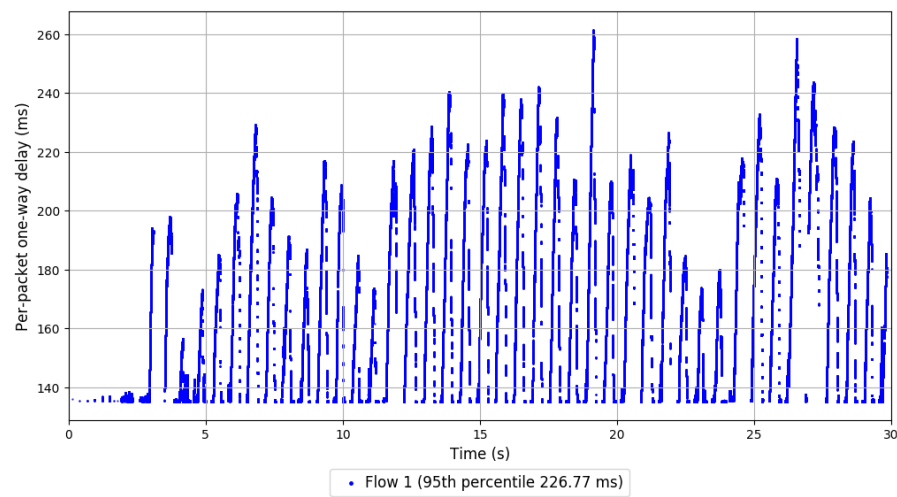
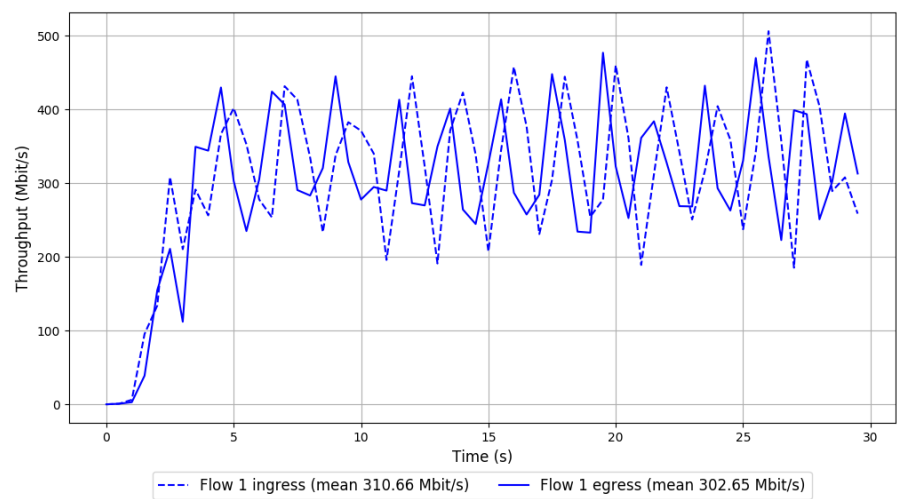
-- Flow 1:

Average throughput: 302.65 Mbit/s

95th percentile per-packet one-way delay: 226.767 ms

Loss rate: 2.57%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2017-09-21 22:24:12

End at: 2017-09-21 22:24:42

Below is generated by plot.py at 2017-09-22 00:11:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 239.57 Mbit/s

95th percentile per-packet one-way delay: 272.945 ms

Loss rate: 10.94%

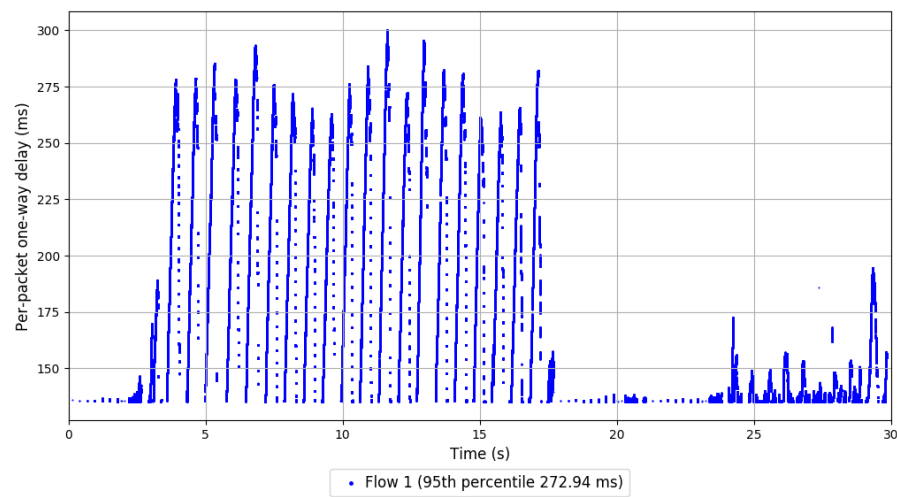
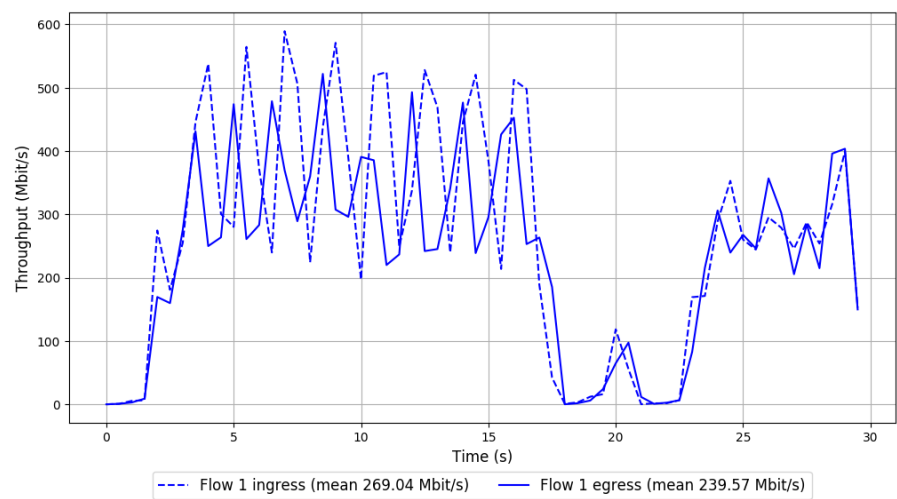
-- Flow 1:

Average throughput: 239.57 Mbit/s

95th percentile per-packet one-way delay: 272.945 ms

Loss rate: 10.94%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2017-09-21 22:35:34

End at: 2017-09-21 22:36:04

Below is generated by plot.py at 2017-09-22 00:11:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.51 Mbit/s

95th percentile per-packet one-way delay: 152.964 ms

Loss rate: 0.18%

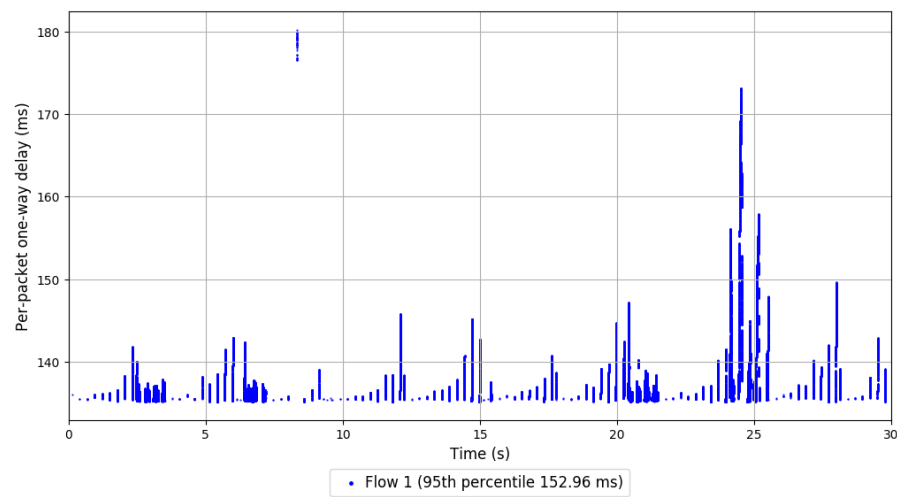
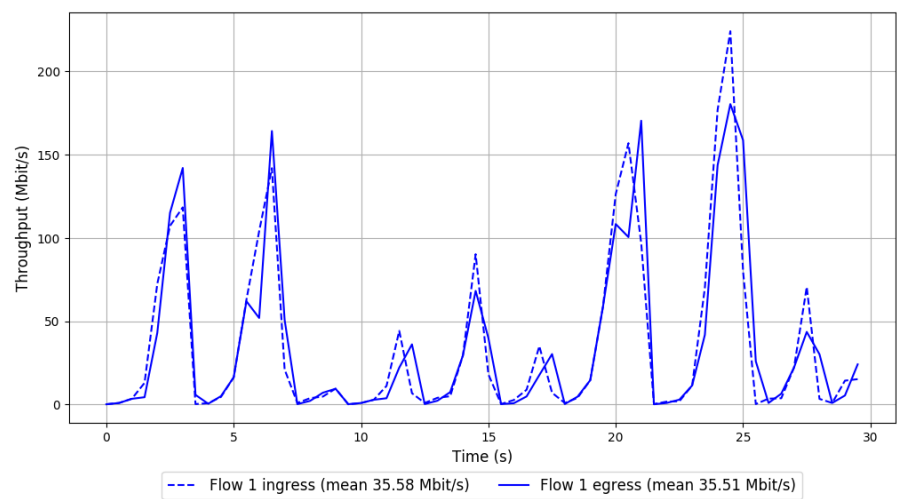
-- Flow 1:

Average throughput: 35.51 Mbit/s

95th percentile per-packet one-way delay: 152.964 ms

Loss rate: 0.18%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2017-09-21 22:46:54

End at: 2017-09-21 22:47:24

Below is generated by plot.py at 2017-09-22 00:11:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.33 Mbit/s

95th percentile per-packet one-way delay: 240.382 ms

Loss rate: 7.50%

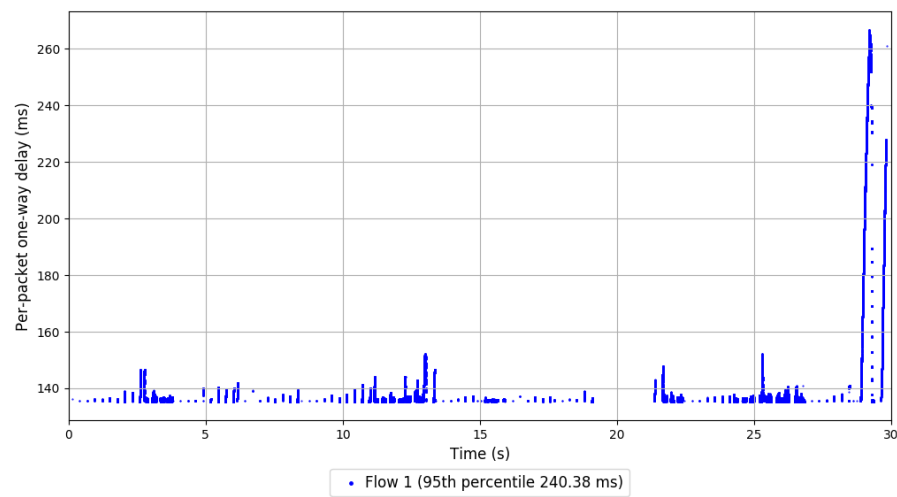
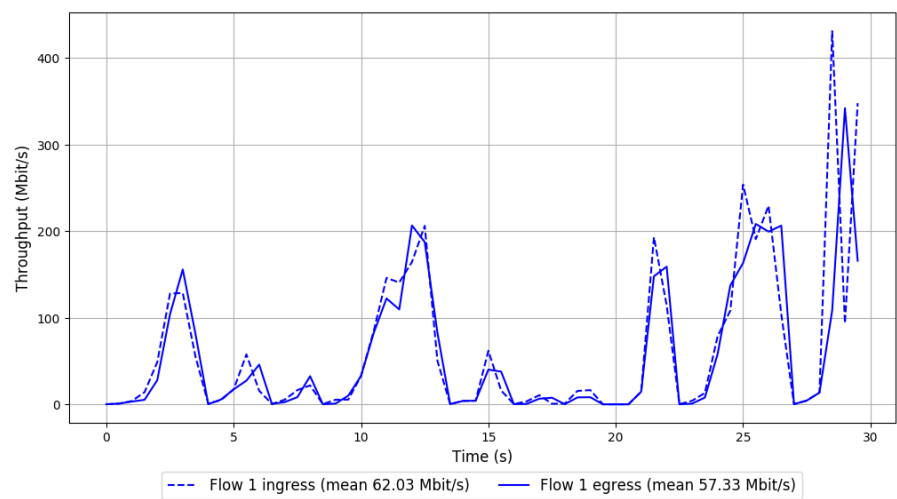
-- Flow 1:

Average throughput: 57.33 Mbit/s

95th percentile per-packet one-way delay: 240.382 ms

Loss rate: 7.50%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2017-09-21 22:58:21

End at: 2017-09-21 22:58:51

Below is generated by plot.py at 2017-09-22 00:11:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 37.05 Mbit/s

95th percentile per-packet one-way delay: 143.527 ms

Loss rate: 3.08%

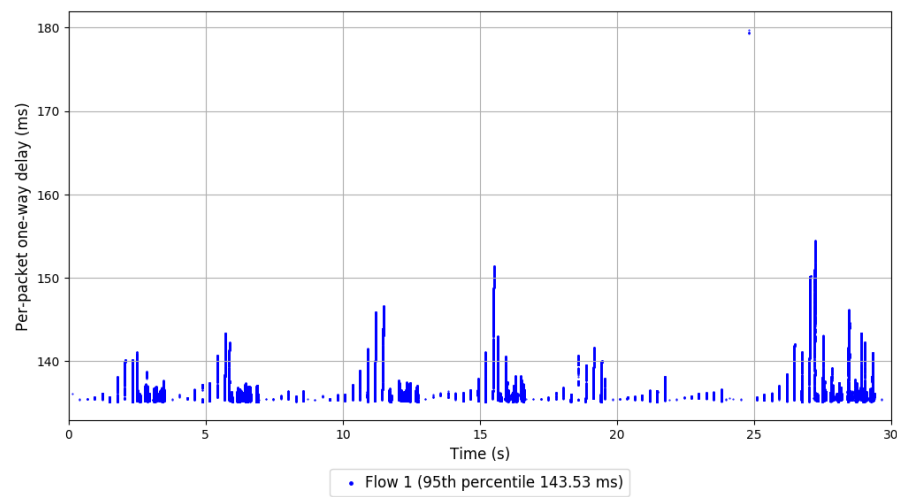
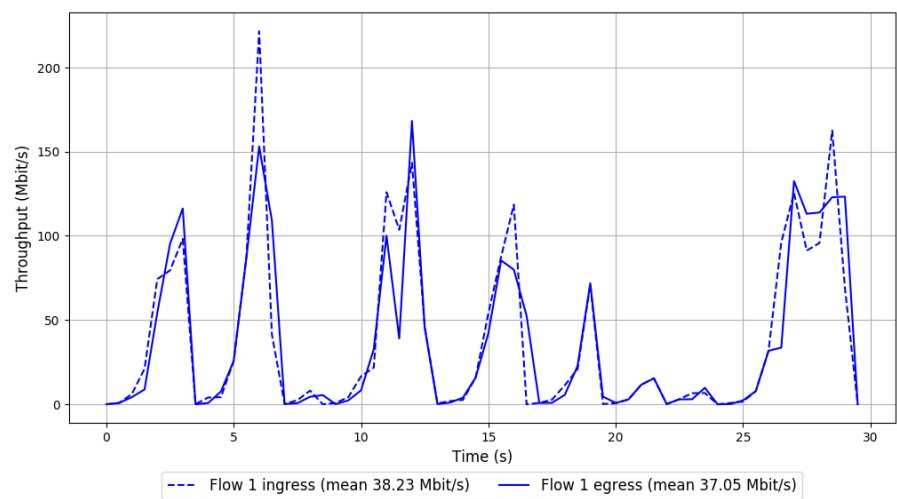
-- Flow 1:

Average throughput: 37.05 Mbit/s

95th percentile per-packet one-way delay: 143.527 ms

Loss rate: 3.08%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2017-09-21 23:08:52

End at: 2017-09-21 23:09:22

Below is generated by plot.py at 2017-09-22 00:11:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.12 Mbit/s

95th percentile per-packet one-way delay: 235.848 ms

Loss rate: 3.51%

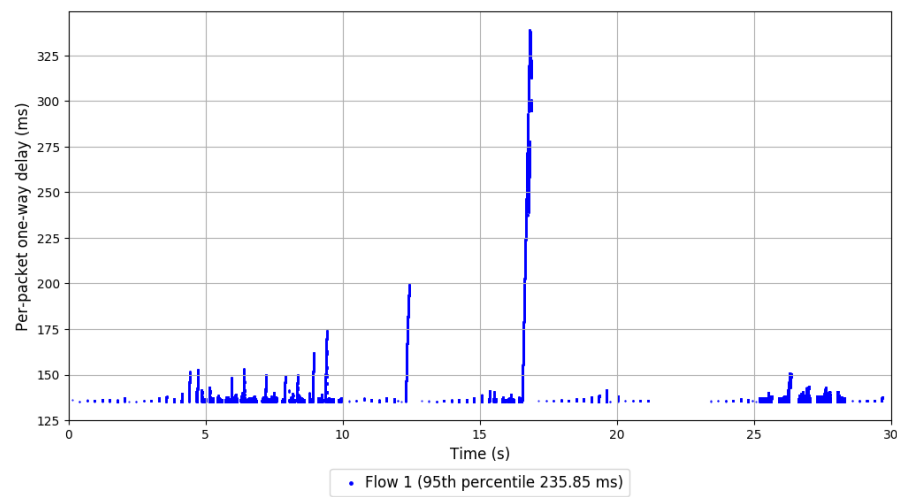
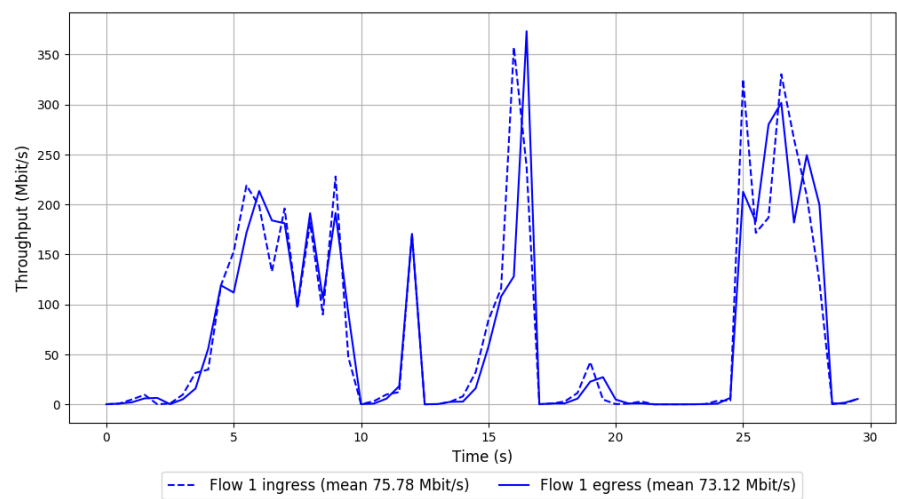
-- Flow 1:

Average throughput: 73.12 Mbit/s

95th percentile per-packet one-way delay: 235.848 ms

Loss rate: 3.51%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2017-09-21 23:19:27

End at: 2017-09-21 23:19:57

Below is generated by plot.py at 2017-09-22 00:11:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 119.46 Mbit/s

95th percentile per-packet one-way delay: 300.819 ms

Loss rate: 6.10%

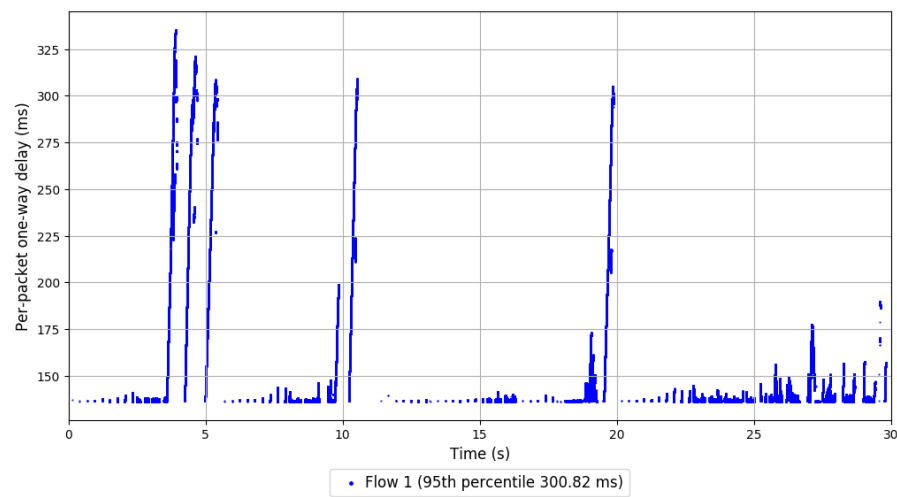
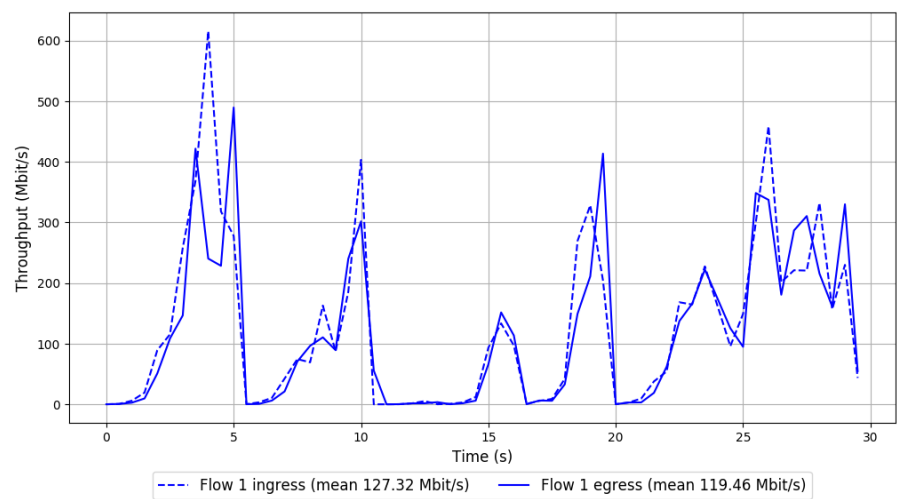
-- Flow 1:

Average throughput: 119.46 Mbit/s

95th percentile per-packet one-way delay: 300.819 ms

Loss rate: 6.10%

Run 10: Report of Verus — Data Link

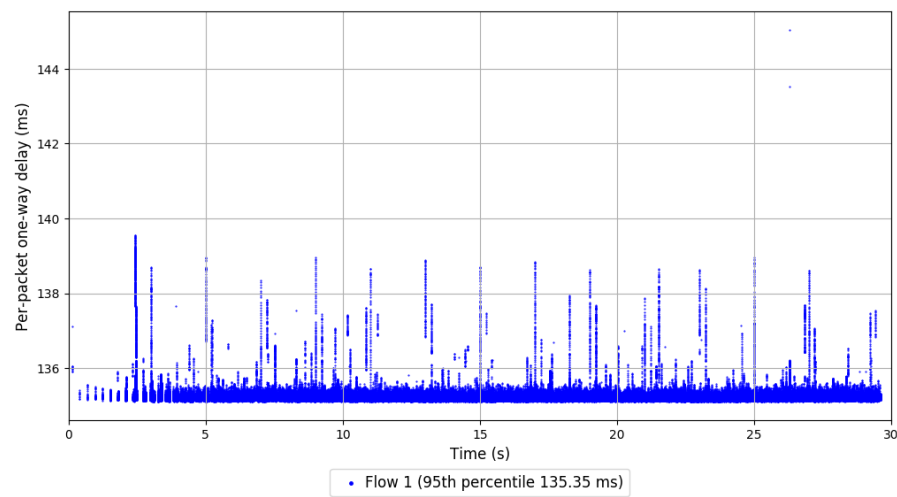
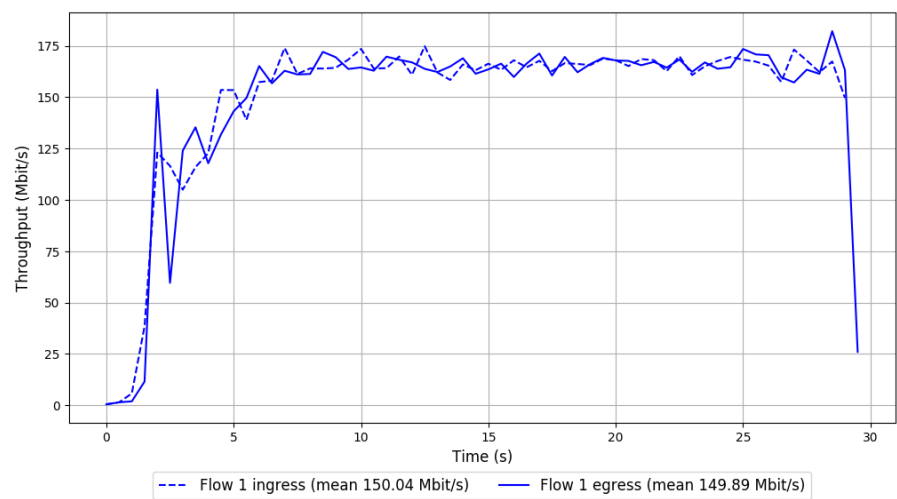


```
Run 1: Statistics of Indigo

Start at: 2017-09-21 21:32:34
End at: 2017-09-21 21:33:04

# Below is generated by plot.py at 2017-09-22 00:11:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 149.89 Mbit/s
95th percentile per-packet one-way delay: 135.354 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 149.89 Mbit/s
95th percentile per-packet one-way delay: 135.354 ms
Loss rate: 0.10%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2017-09-21 21:43:28

End at: 2017-09-21 21:43:58

Below is generated by plot.py at 2017-09-22 00:11:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 149.21 Mbit/s

95th percentile per-packet one-way delay: 135.327 ms

Loss rate: 0.15%

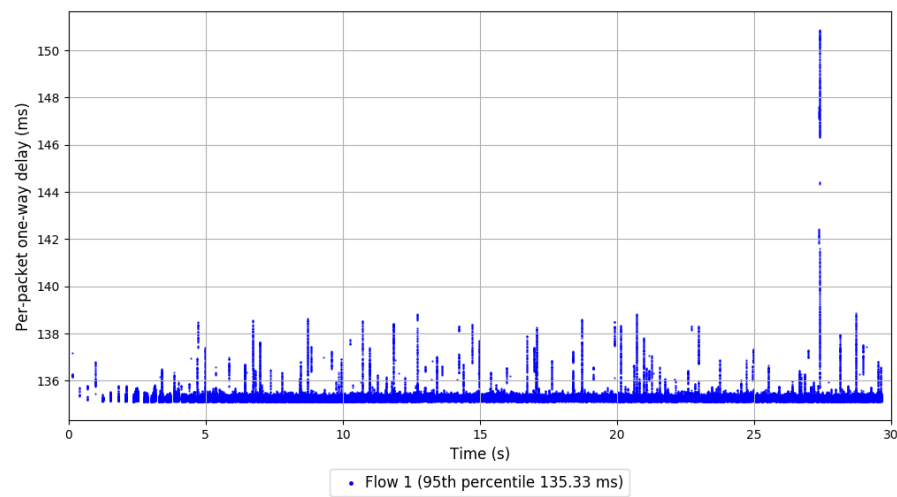
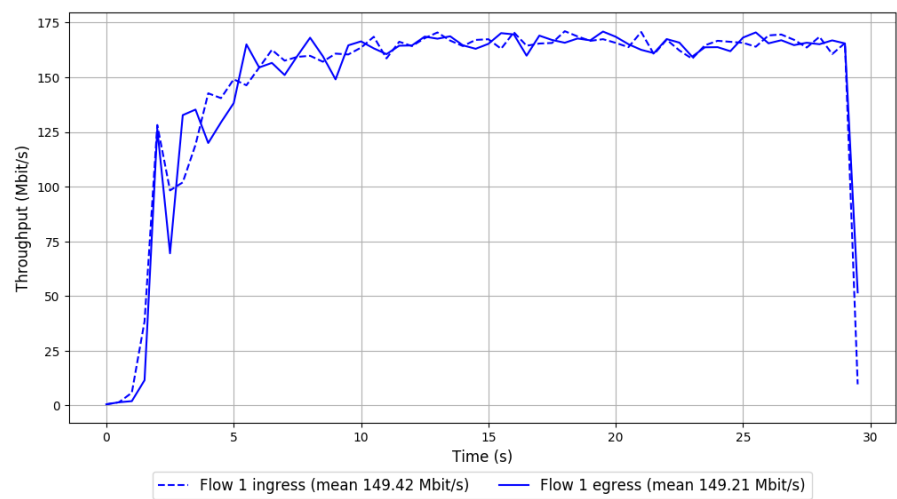
-- Flow 1:

Average throughput: 149.21 Mbit/s

95th percentile per-packet one-way delay: 135.327 ms

Loss rate: 0.15%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2017-09-21 21:54:45

End at: 2017-09-21 21:55:15

Below is generated by plot.py at 2017-09-22 00:11:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 133.62 Mbit/s

95th percentile per-packet one-way delay: 135.346 ms

Loss rate: 0.11%

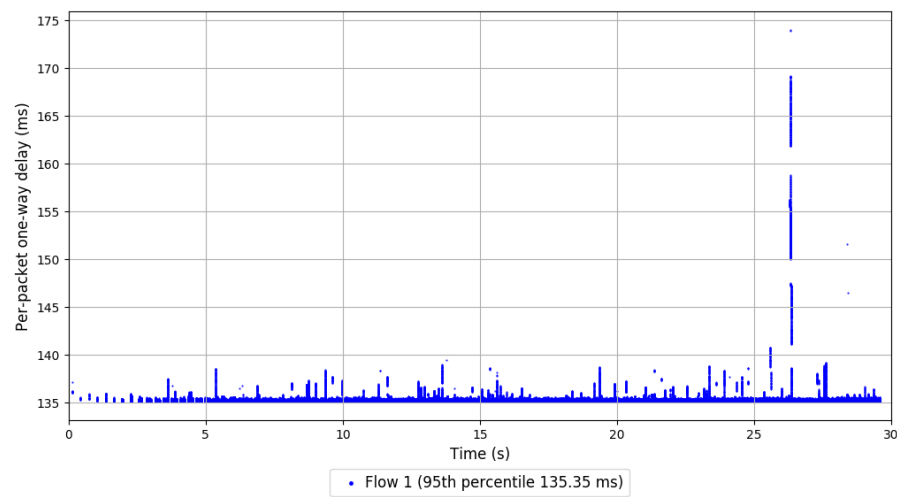
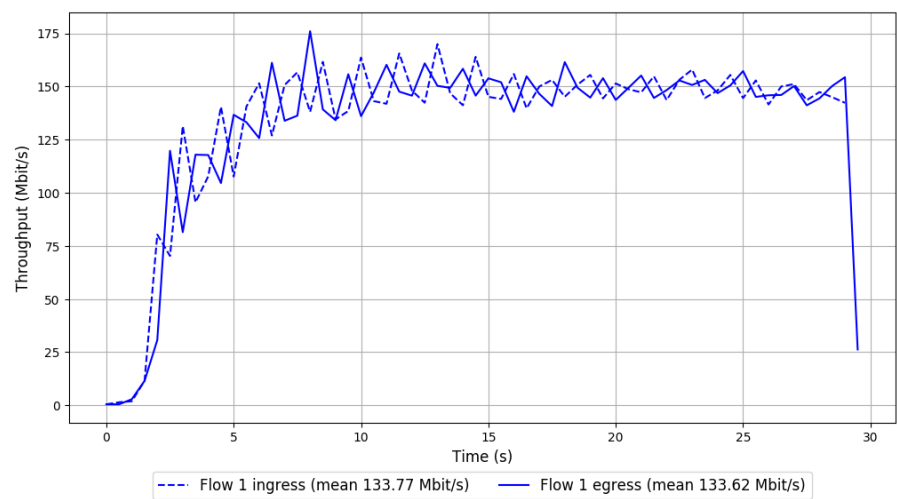
-- Flow 1:

Average throughput: 133.62 Mbit/s

95th percentile per-packet one-way delay: 135.346 ms

Loss rate: 0.11%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2017-09-21 22:05:57

End at: 2017-09-21 22:06:27

Below is generated by plot.py at 2017-09-22 00:12:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 145.61 Mbit/s

95th percentile per-packet one-way delay: 135.352 ms

Loss rate: 0.09%

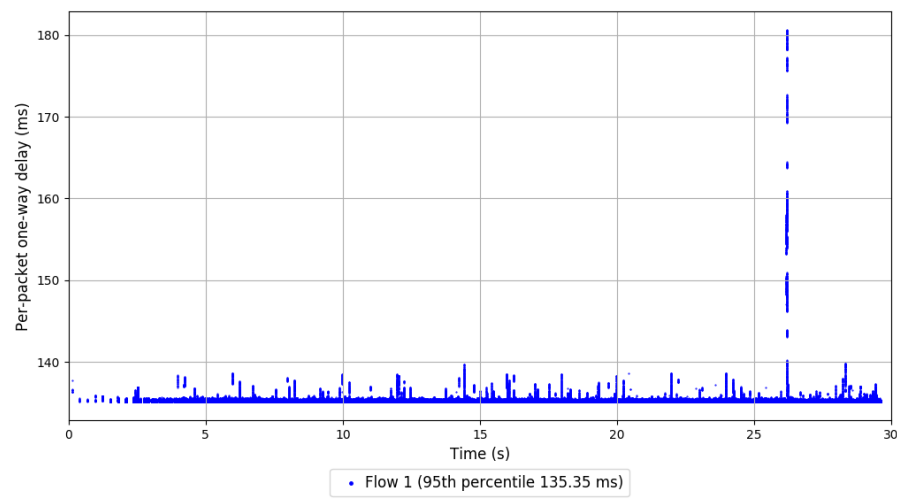
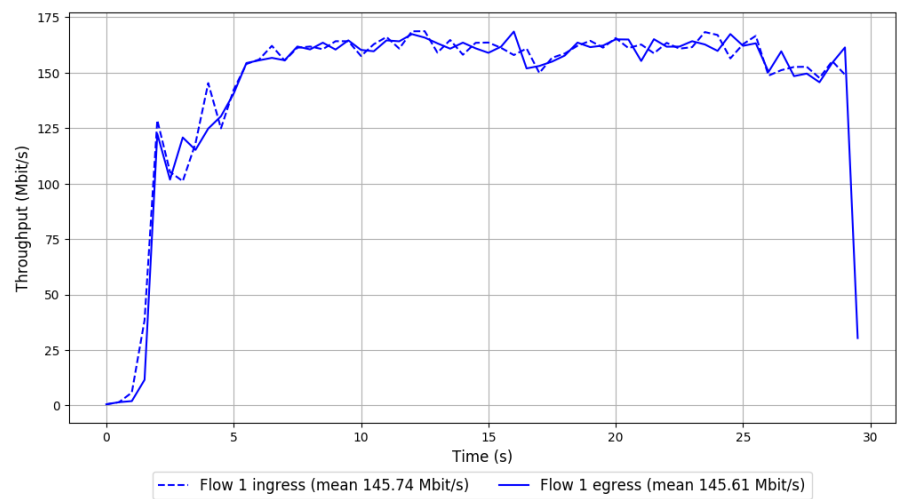
-- Flow 1:

Average throughput: 145.61 Mbit/s

95th percentile per-packet one-way delay: 135.352 ms

Loss rate: 0.09%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2017-09-21 22:17:34

End at: 2017-09-21 22:18:04

Below is generated by plot.py at 2017-09-22 00:12:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 152.65 Mbit/s

95th percentile per-packet one-way delay: 135.324 ms

Loss rate: 0.10%

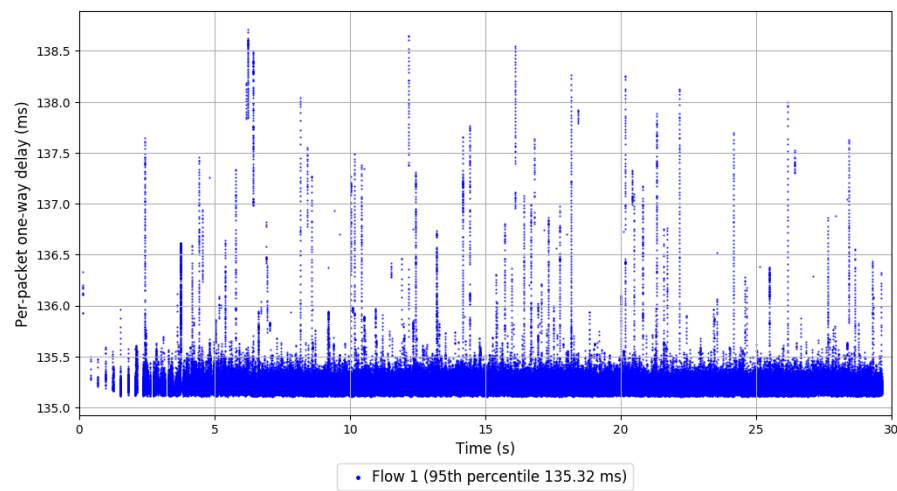
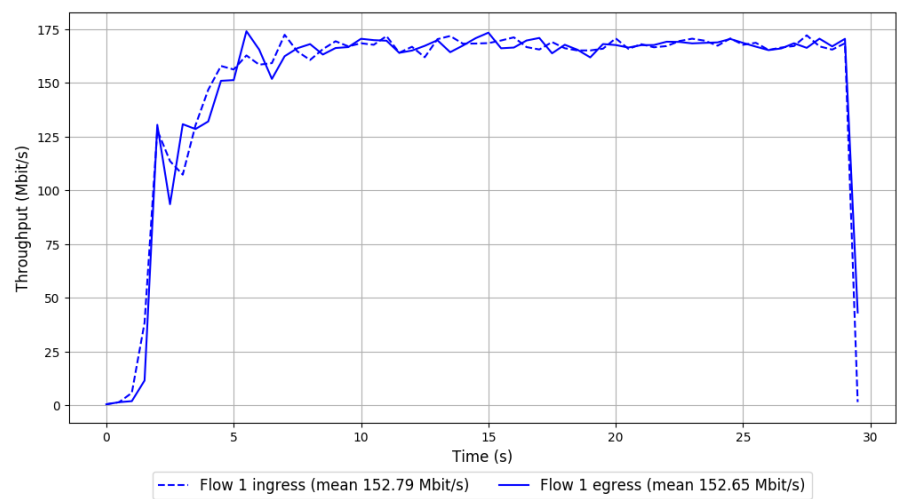
-- Flow 1:

Average throughput: 152.65 Mbit/s

95th percentile per-packet one-way delay: 135.324 ms

Loss rate: 0.10%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2017-09-21 22:28:25

End at: 2017-09-21 22:28:55

Below is generated by plot.py at 2017-09-22 00:13:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 147.60 Mbit/s

95th percentile per-packet one-way delay: 135.364 ms

Loss rate: 0.24%

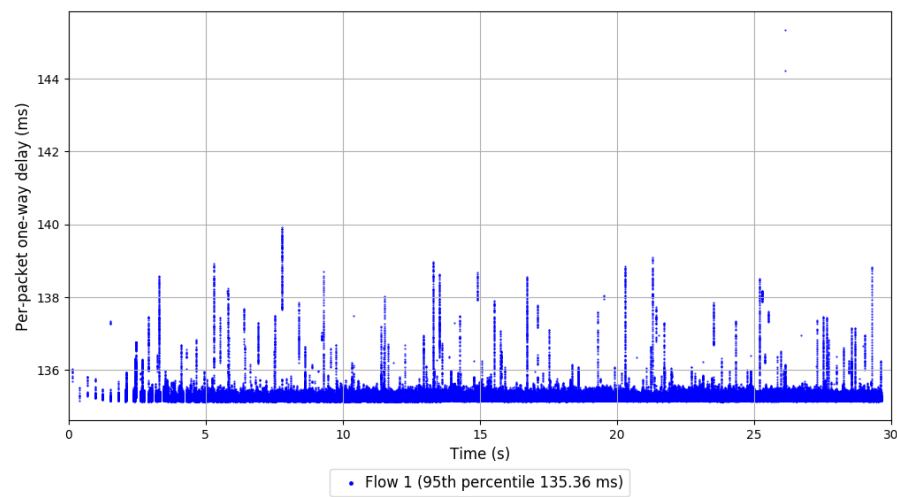
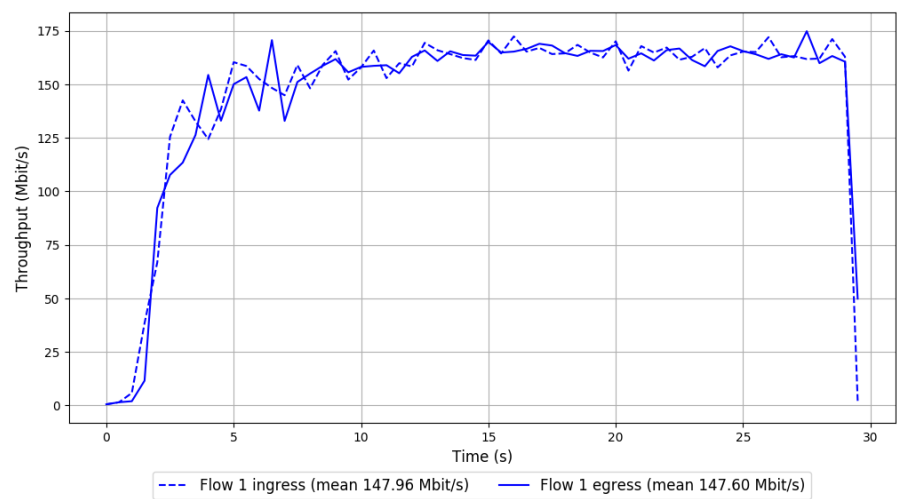
-- Flow 1:

Average throughput: 147.60 Mbit/s

95th percentile per-packet one-way delay: 135.364 ms

Loss rate: 0.24%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2017-09-21 22:39:29

End at: 2017-09-21 22:39:59

Below is generated by plot.py at 2017-09-22 00:13:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 151.30 Mbit/s

95th percentile per-packet one-way delay: 135.337 ms

Loss rate: 0.10%

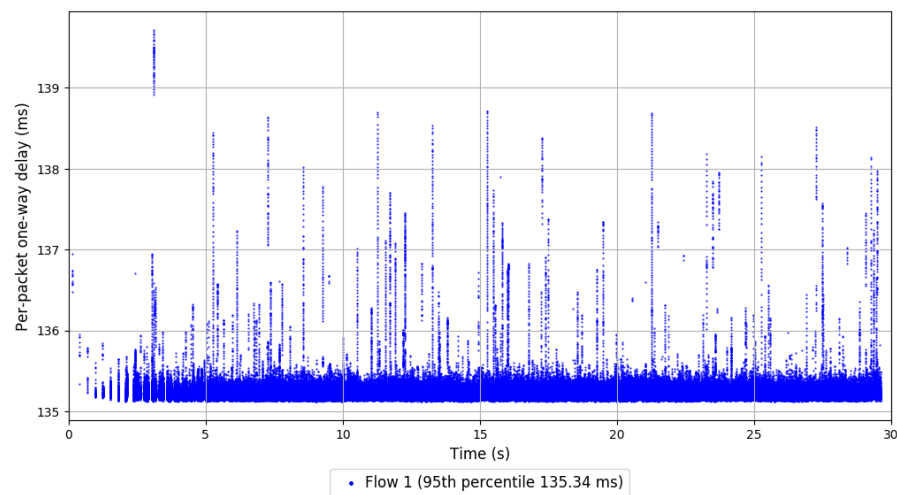
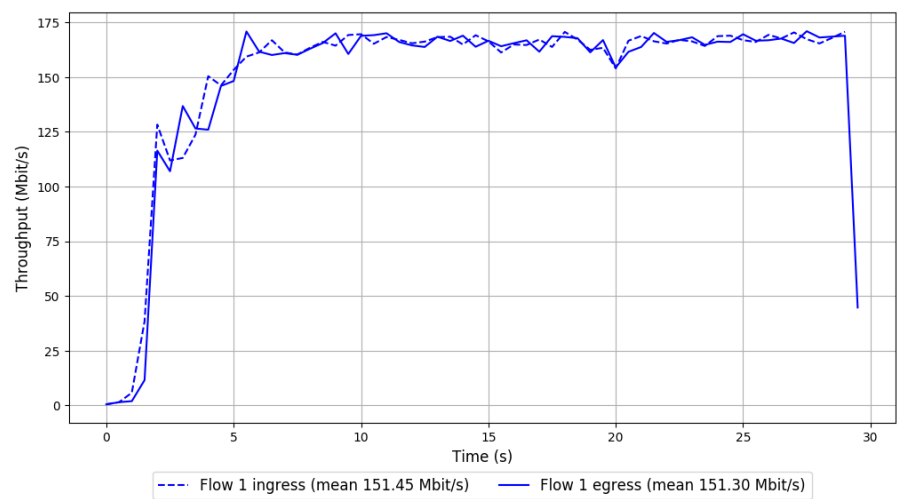
-- Flow 1:

Average throughput: 151.30 Mbit/s

95th percentile per-packet one-way delay: 135.337 ms

Loss rate: 0.10%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2017-09-21 22:50:55

End at: 2017-09-21 22:51:25

Below is generated by plot.py at 2017-09-22 00:13:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 128.79 Mbit/s

95th percentile per-packet one-way delay: 135.346 ms

Loss rate: 0.10%

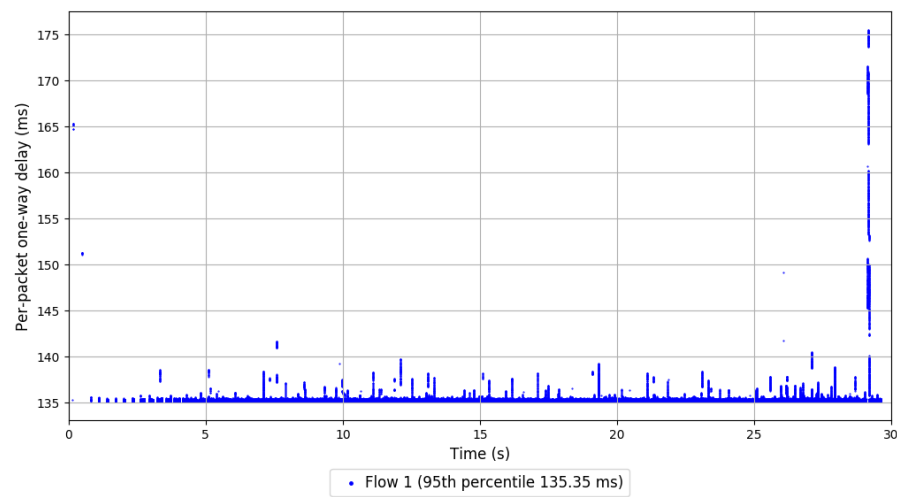
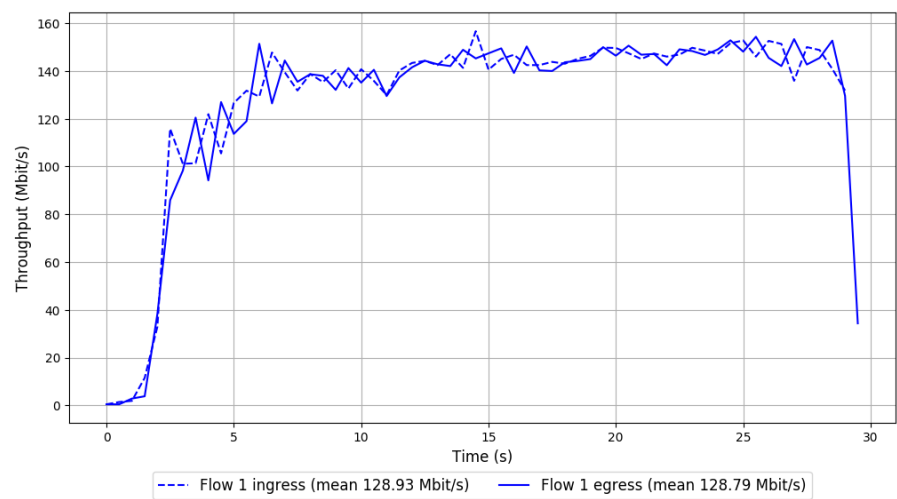
-- Flow 1:

Average throughput: 128.79 Mbit/s

95th percentile per-packet one-way delay: 135.346 ms

Loss rate: 0.10%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2017-09-21 23:02:14

End at: 2017-09-21 23:02:44

Below is generated by plot.py at 2017-09-22 00:14:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 146.84 Mbit/s

95th percentile per-packet one-way delay: 135.359 ms

Loss rate: 0.29%

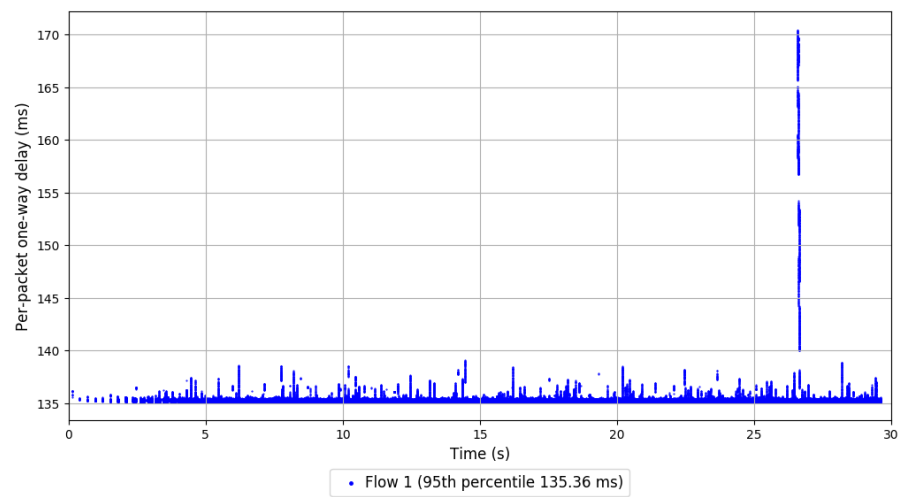
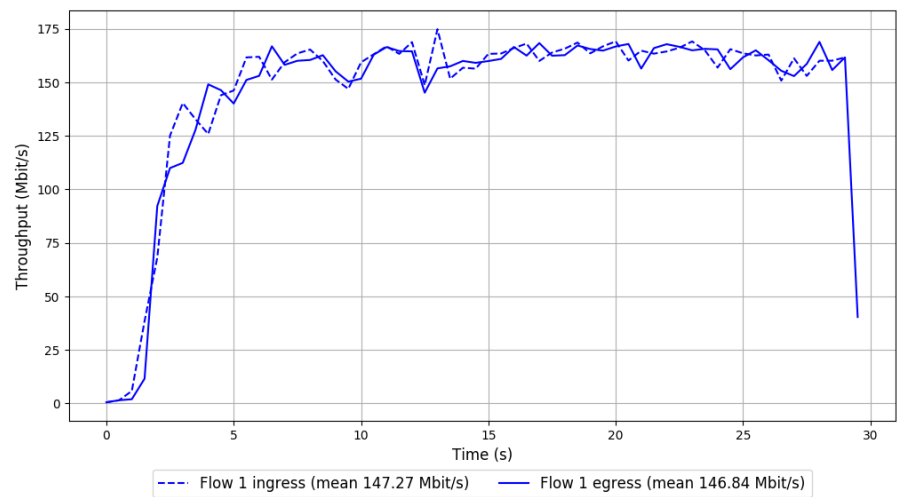
-- Flow 1:

Average throughput: 146.84 Mbit/s

95th percentile per-packet one-way delay: 135.359 ms

Loss rate: 0.29%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2017-09-21 23:12:48

End at: 2017-09-21 23:13:18

Below is generated by plot.py at 2017-09-22 00:14:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 149.48 Mbit/s

95th percentile per-packet one-way delay: 135.379 ms

Loss rate: 0.10%

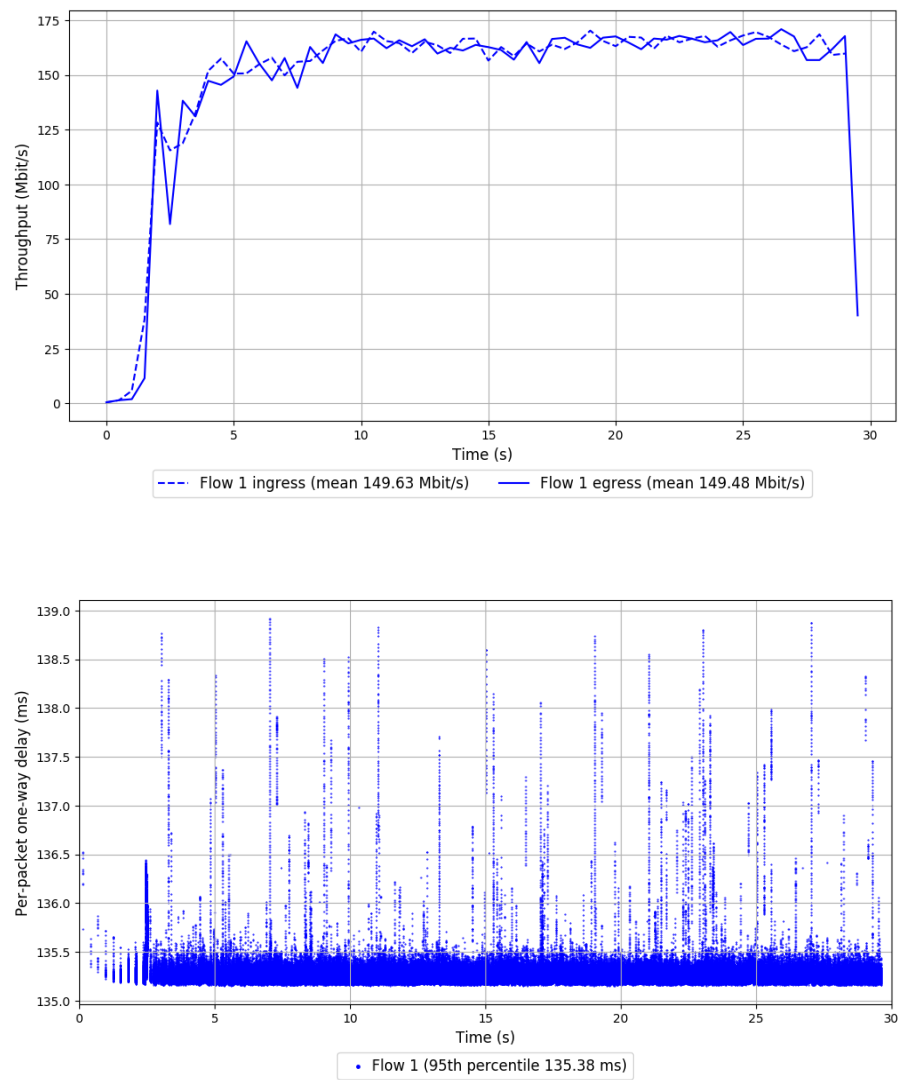
-- Flow 1:

Average throughput: 149.48 Mbit/s

95th percentile per-packet one-way delay: 135.379 ms

Loss rate: 0.10%

Run 10: Report of Indigo — Data Link

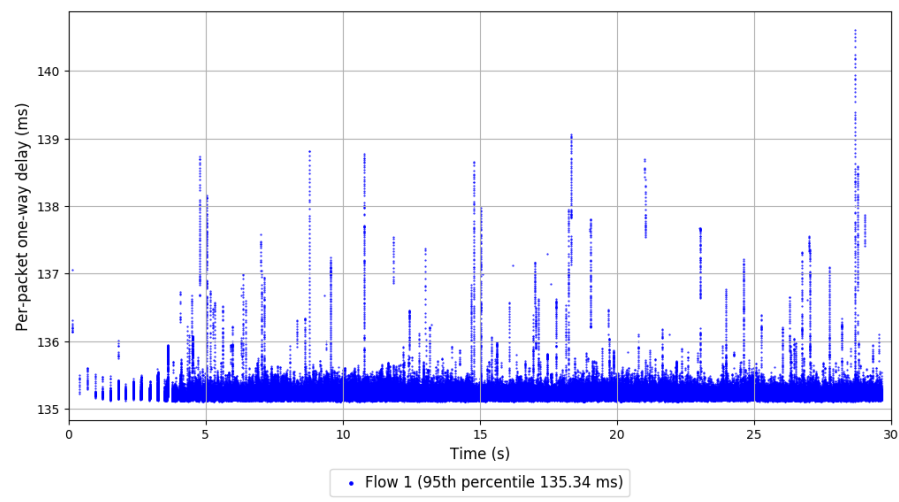
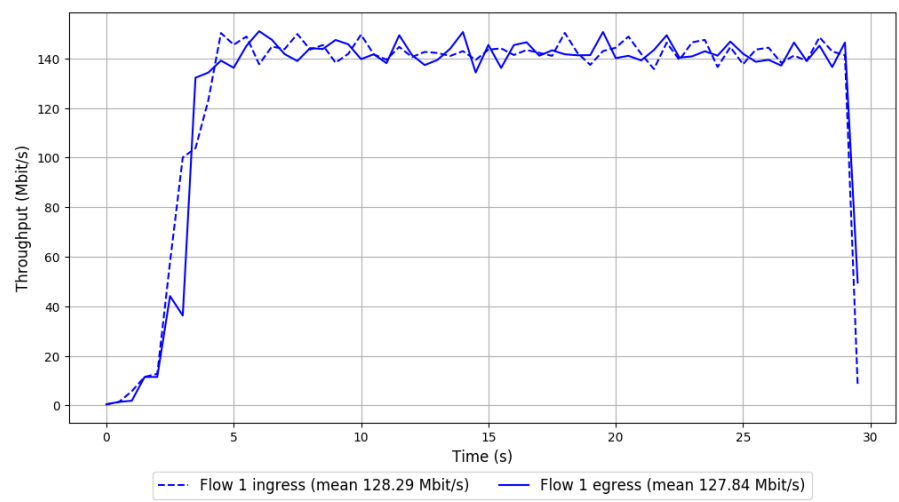


```
Run 1: Statistics of Indigo-calib

Start at: 2017-09-21 21:42:34
End at: 2017-09-21 21:43:04

# Below is generated by plot.py at 2017-09-22 00:14:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 127.84 Mbit/s
95th percentile per-packet one-way delay: 135.342 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 127.84 Mbit/s
95th percentile per-packet one-way delay: 135.342 ms
Loss rate: 0.36%
```


Run 1: Report of Indigo-calib — Data Link

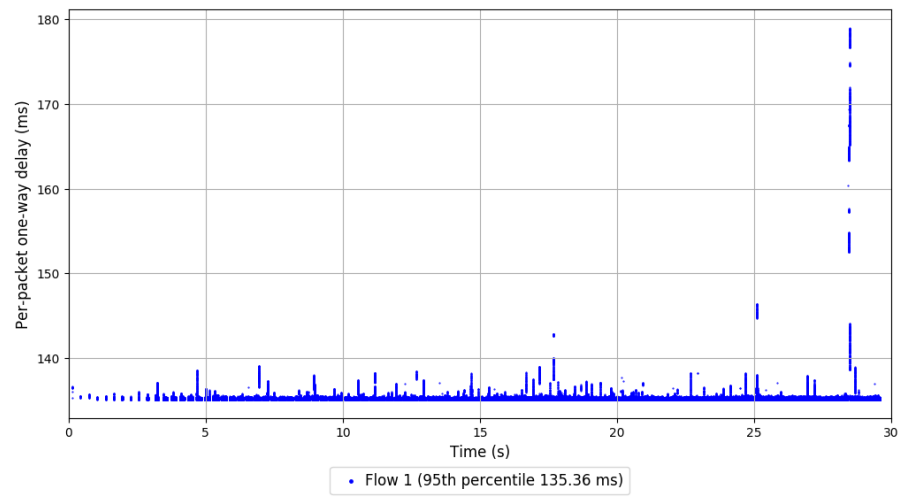
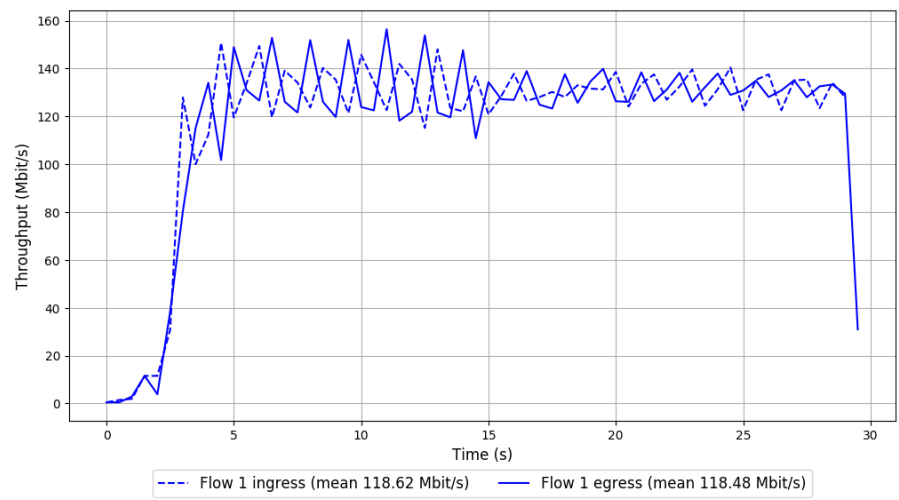


```
Run 2: Statistics of Indigo-calib

Start at: 2017-09-21 21:53:52
End at: 2017-09-21 21:54:22

# Below is generated by plot.py at 2017-09-22 00:14:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 118.48 Mbit/s
95th percentile per-packet one-way delay: 135.364 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 118.48 Mbit/s
95th percentile per-packet one-way delay: 135.364 ms
Loss rate: 0.12%
```

Run 2: Report of Indigo-calib — Data Link

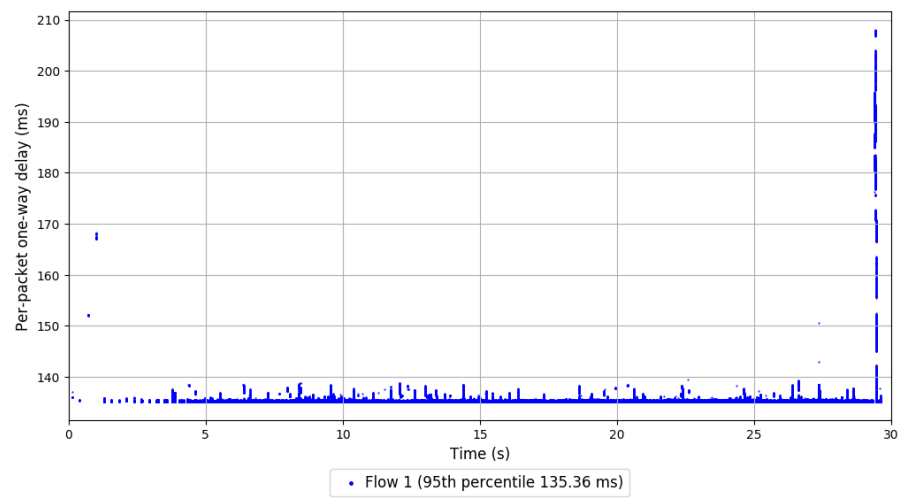
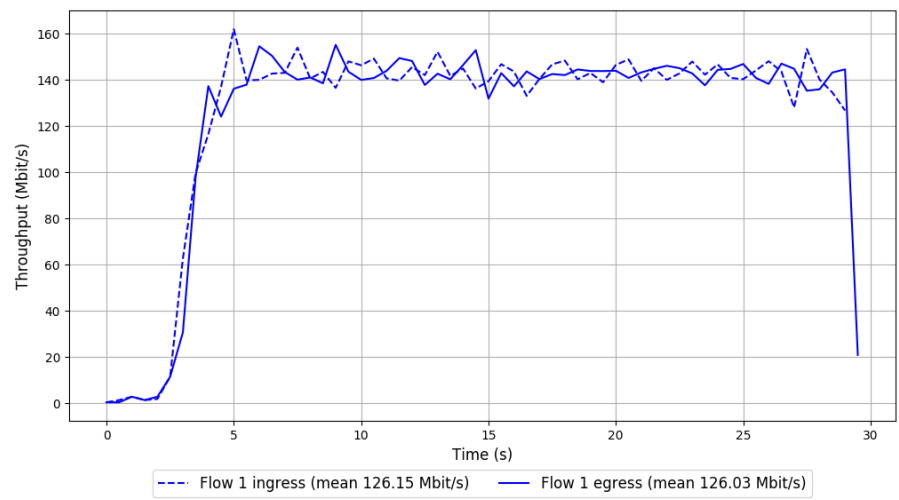


```
Run 3: Statistics of Indigo-calib

Start at: 2017-09-21 22:05:02
End at: 2017-09-21 22:05:32

# Below is generated by plot.py at 2017-09-22 00:15:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 126.03 Mbit/s
95th percentile per-packet one-way delay: 135.357 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 126.03 Mbit/s
95th percentile per-packet one-way delay: 135.357 ms
Loss rate: 0.10%
```

Run 3: Report of Indigo-calib — Data Link



Run 4: Statistics of Indigo-calib

Start at: 2017-09-21 22:16:40

End at: 2017-09-21 22:17:10

Below is generated by plot.py at 2017-09-22 00:15:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 129.44 Mbit/s

95th percentile per-packet one-way delay: 135.379 ms

Loss rate: 0.11%

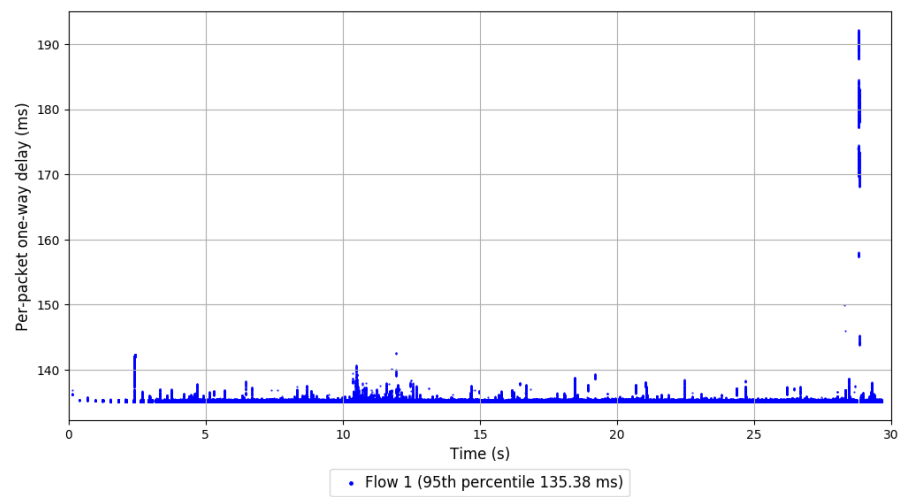
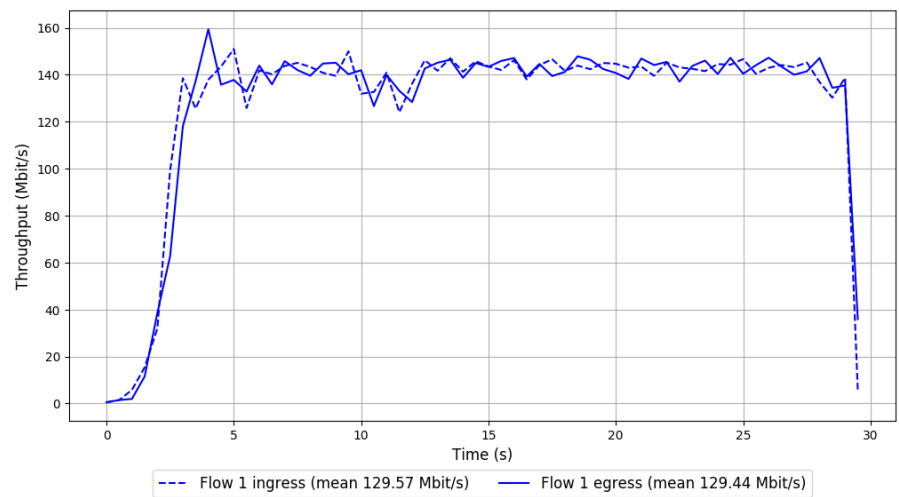
-- Flow 1:

Average throughput: 129.44 Mbit/s

95th percentile per-packet one-way delay: 135.379 ms

Loss rate: 0.11%

Run 4: Report of Indigo-calib — Data Link



Run 5: Statistics of Indigo-calib

Start at: 2017-09-21 22:27:31

End at: 2017-09-21 22:28:01

Below is generated by plot.py at 2017-09-22 00:16:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 130.59 Mbit/s

95th percentile per-packet one-way delay: 135.354 ms

Loss rate: 0.26%

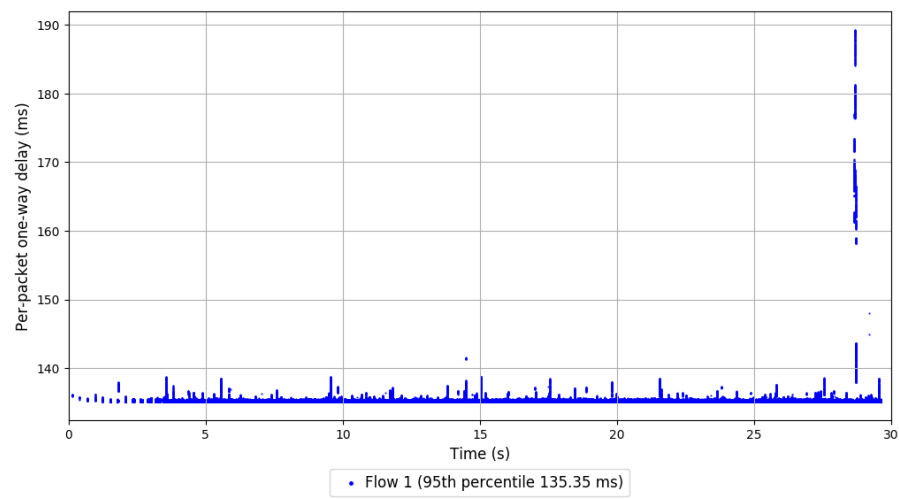
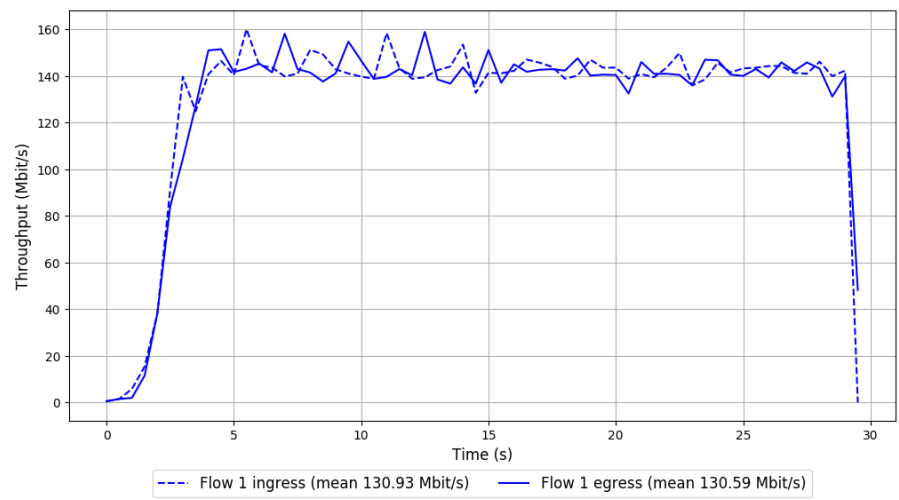
-- Flow 1:

Average throughput: 130.59 Mbit/s

95th percentile per-packet one-way delay: 135.354 ms

Loss rate: 0.26%

Run 5: Report of Indigo-calib — Data Link



Run 6: Statistics of Indigo-calib

Start at: 2017-09-21 22:38:35

End at: 2017-09-21 22:39:05

Below is generated by plot.py at 2017-09-22 00:16:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 128.68 Mbit/s

95th percentile per-packet one-way delay: 135.354 ms

Loss rate: 0.59%

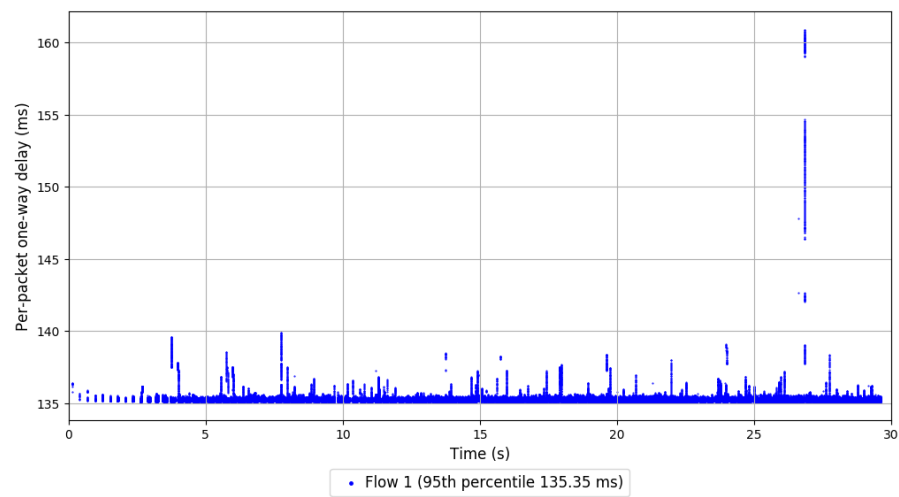
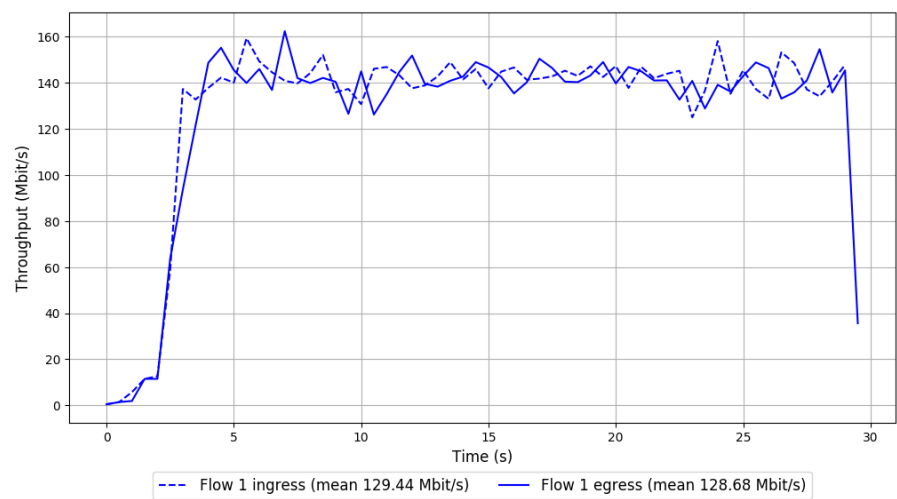
-- Flow 1:

Average throughput: 128.68 Mbit/s

95th percentile per-packet one-way delay: 135.354 ms

Loss rate: 0.59%

Run 6: Report of Indigo-calib — Data Link



Run 7: Statistics of Indigo-calib

Start at: 2017-09-21 22:50:00

End at: 2017-09-21 22:50:30

Below is generated by plot.py at 2017-09-22 00:16:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 129.57 Mbit/s

95th percentile per-packet one-way delay: 135.371 ms

Loss rate: 0.10%

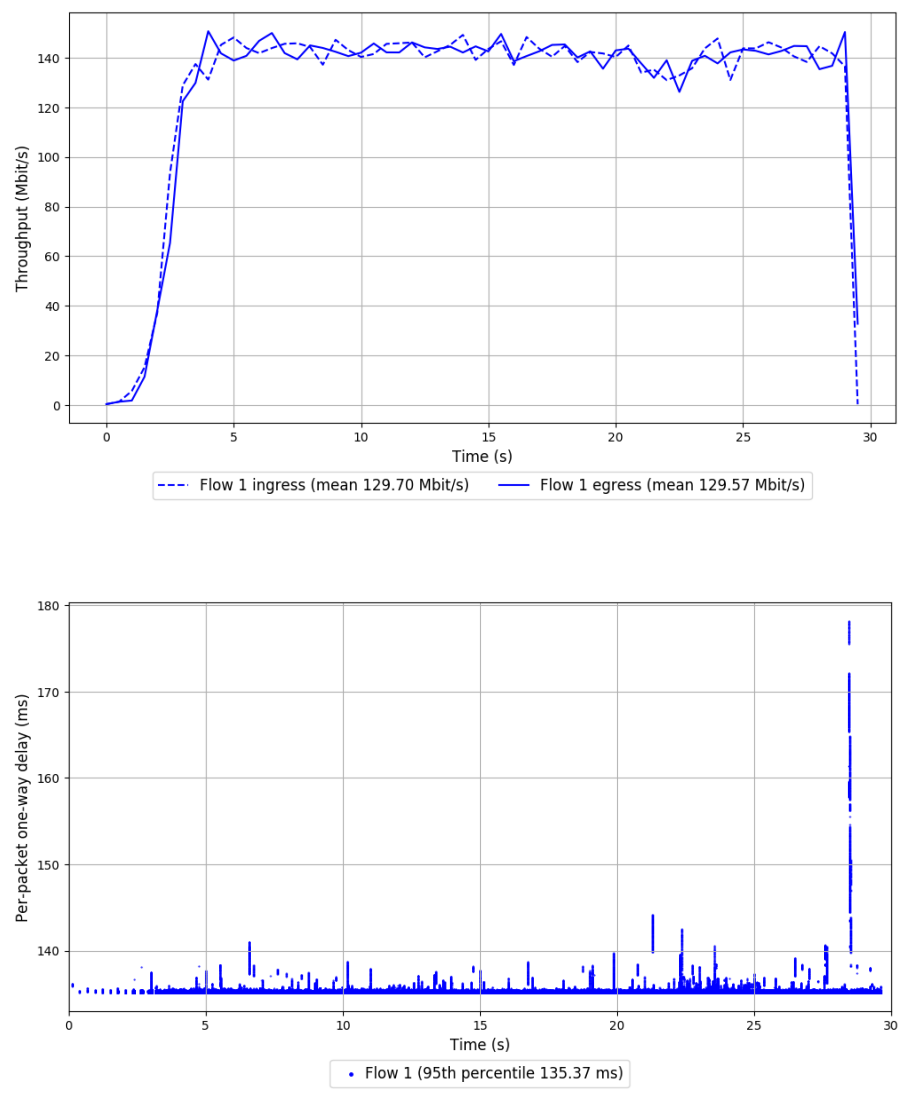
-- Flow 1:

Average throughput: 129.57 Mbit/s

95th percentile per-packet one-way delay: 135.371 ms

Loss rate: 0.10%

Run 7: Report of Indigo-calib — Data Link



Run 8: Statistics of Indigo-calib

Start at: 2017-09-21 23:01:20

End at: 2017-09-21 23:01:50

Below is generated by plot.py at 2017-09-22 00:16:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 124.94 Mbit/s

95th percentile per-packet one-way delay: 135.370 ms

Loss rate: 0.22%

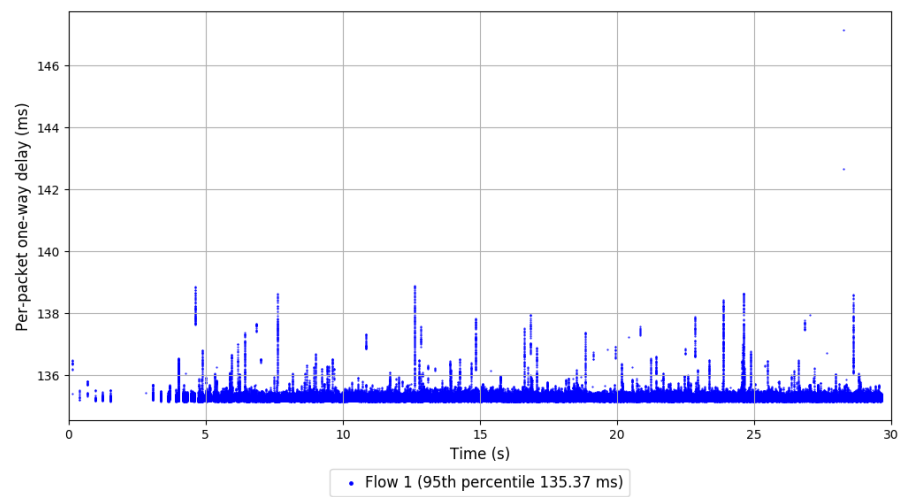
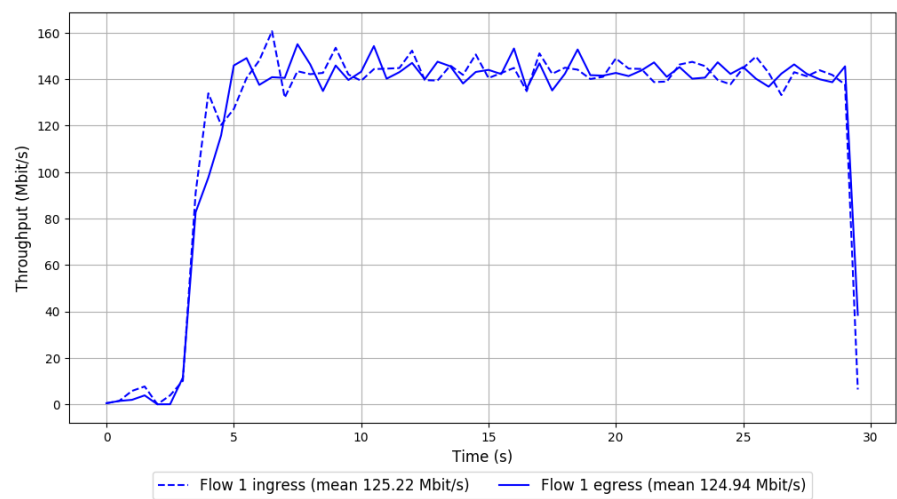
-- Flow 1:

Average throughput: 124.94 Mbit/s

95th percentile per-packet one-way delay: 135.370 ms

Loss rate: 0.22%

Run 8: Report of Indigo-calib — Data Link

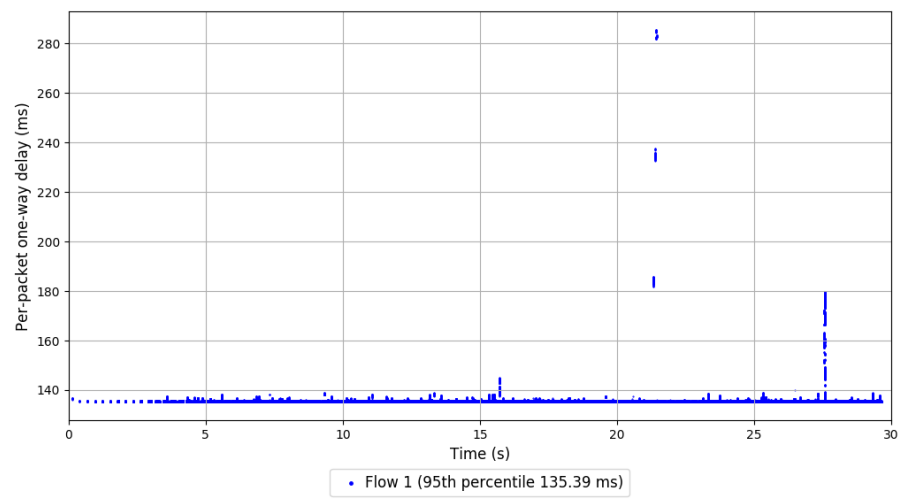
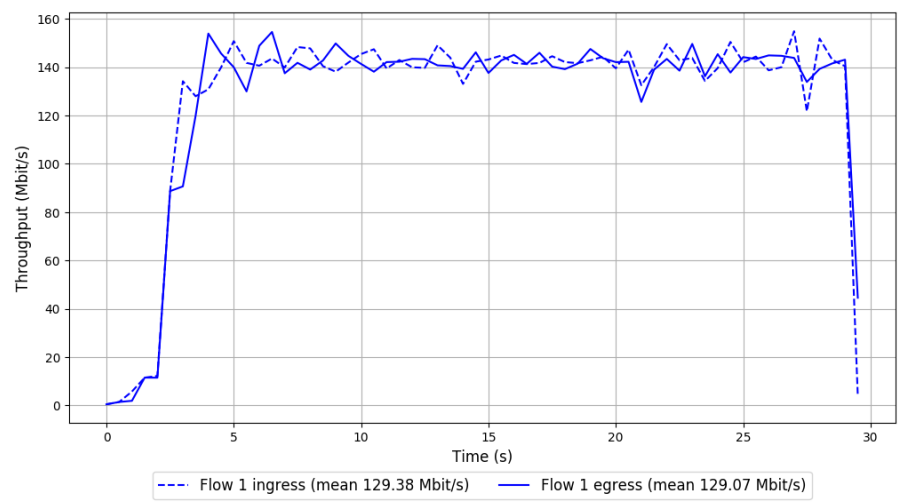


```
Run 9: Statistics of Indigo-calib

Start at: 2017-09-21 23:11:53
End at: 2017-09-21 23:12:23

# Below is generated by plot.py at 2017-09-22 00:16:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 129.07 Mbit/s
95th percentile per-packet one-way delay: 135.389 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 129.07 Mbit/s
95th percentile per-packet one-way delay: 135.389 ms
Loss rate: 0.25%
```


Run 9: Report of Indigo-calib — Data Link



Run 10: Statistics of Indigo-calib

Start at: 2017-09-21 23:22:31

End at: 2017-09-21 23:23:01

Below is generated by plot.py at 2017-09-22 00:16:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 130.83 Mbit/s

95th percentile per-packet one-way delay: 136.389 ms

Loss rate: 0.10%

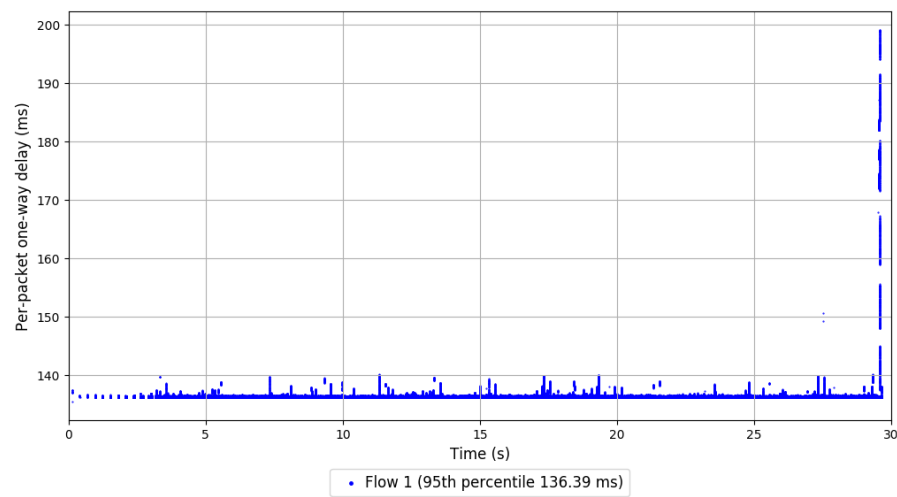
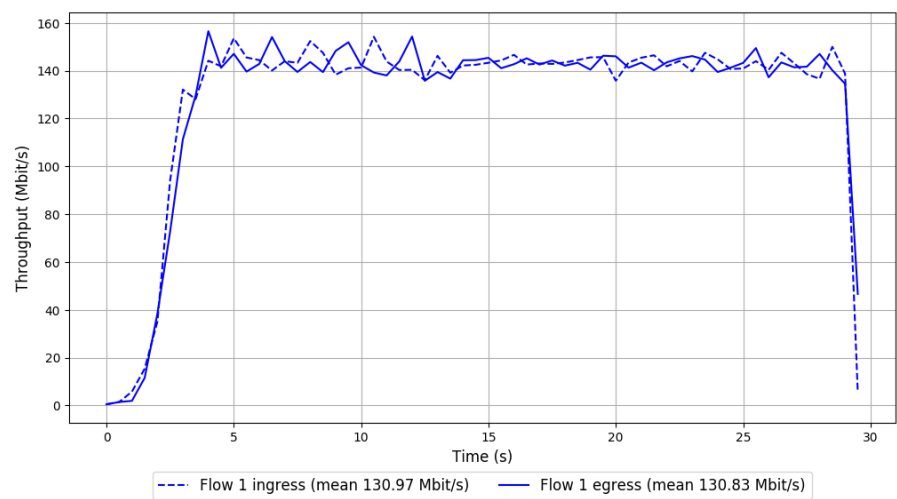
-- Flow 1:

Average throughput: 130.83 Mbit/s

95th percentile per-packet one-way delay: 136.389 ms

Loss rate: 0.10%

Run 10: Report of Indigo-calib — Data Link

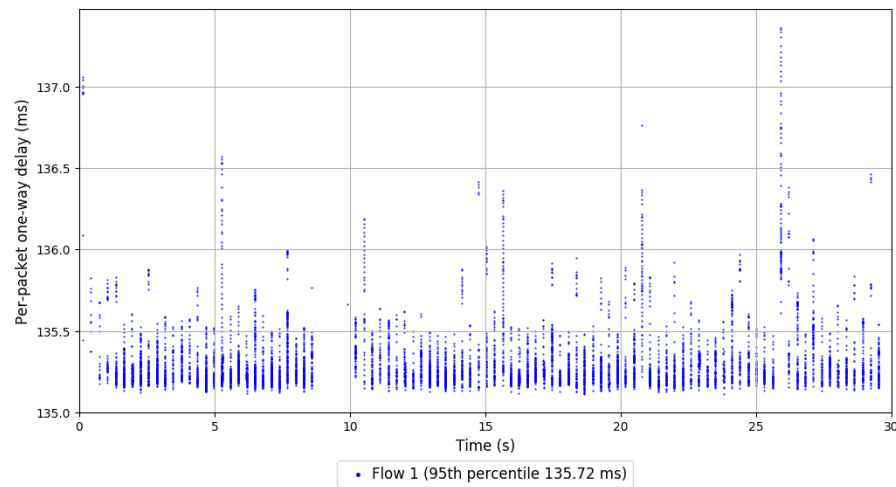
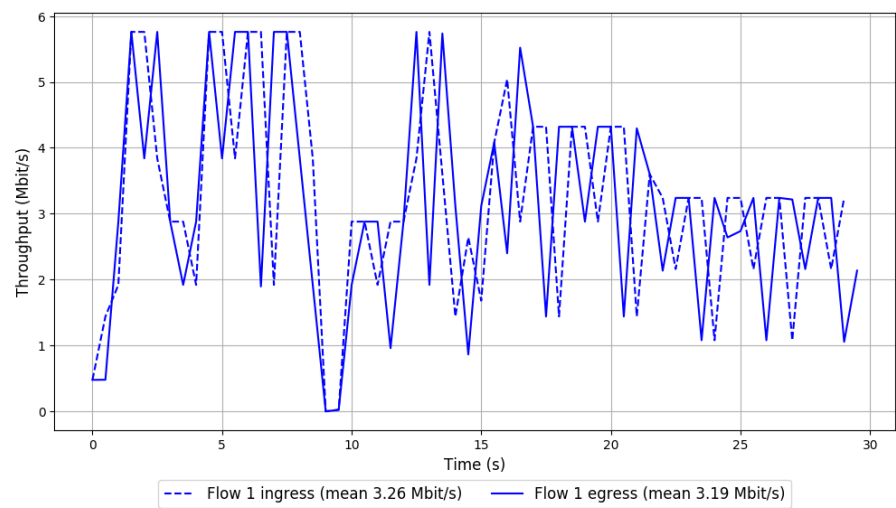


```
Run 1: Statistics of Indigo-delay

Start at: 2017-09-21 21:34:12
End at: 2017-09-21 21:34:42

# Below is generated by plot.py at 2017-09-22 00:16:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.19 Mbit/s
95th percentile per-packet one-way delay: 135.723 ms
Loss rate: 2.28%
-- Flow 1:
Average throughput: 3.19 Mbit/s
95th percentile per-packet one-way delay: 135.723 ms
Loss rate: 2.28%
```

Run 1: Report of Indigo-delay — Data Link

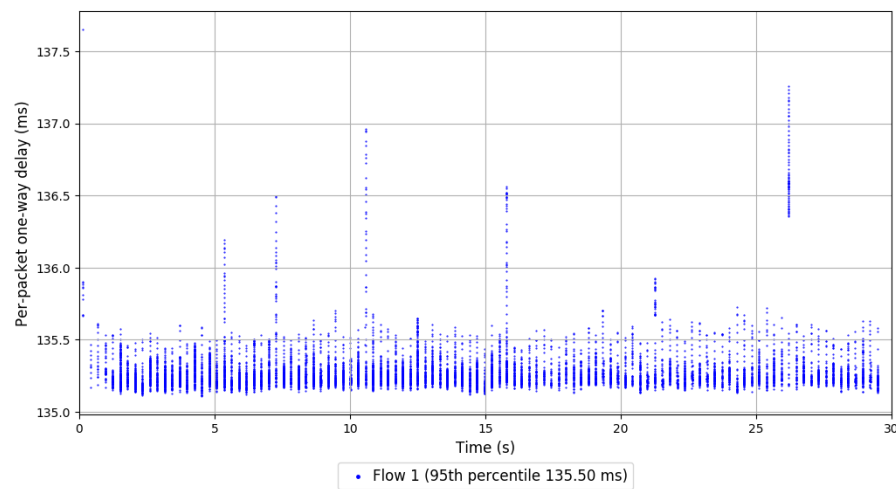
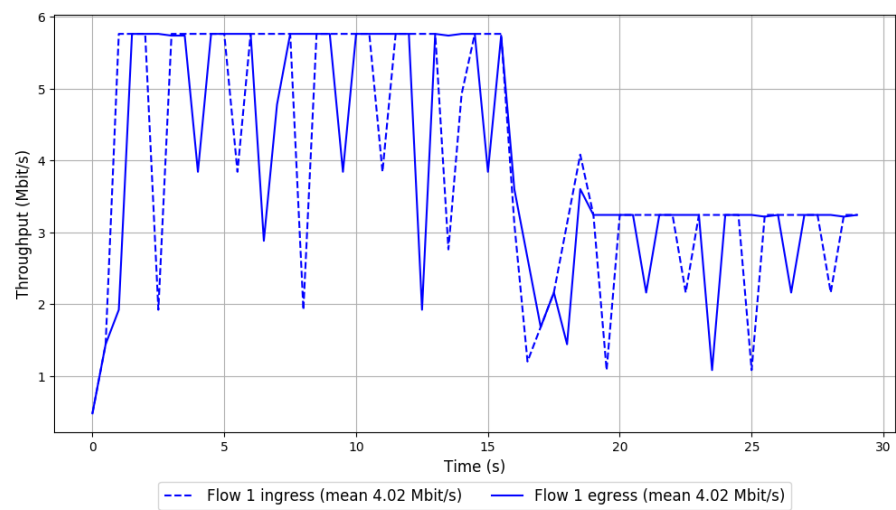


```
Run 2: Statistics of Indigo-delay

Start at: 2017-09-21 21:45:05
End at: 2017-09-21 21:45:35

# Below is generated by plot.py at 2017-09-22 00:16:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.02 Mbit/s
95th percentile per-packet one-way delay: 135.505 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 4.02 Mbit/s
95th percentile per-packet one-way delay: 135.505 ms
Loss rate: 0.07%
```

Run 2: Report of Indigo-delay — Data Link

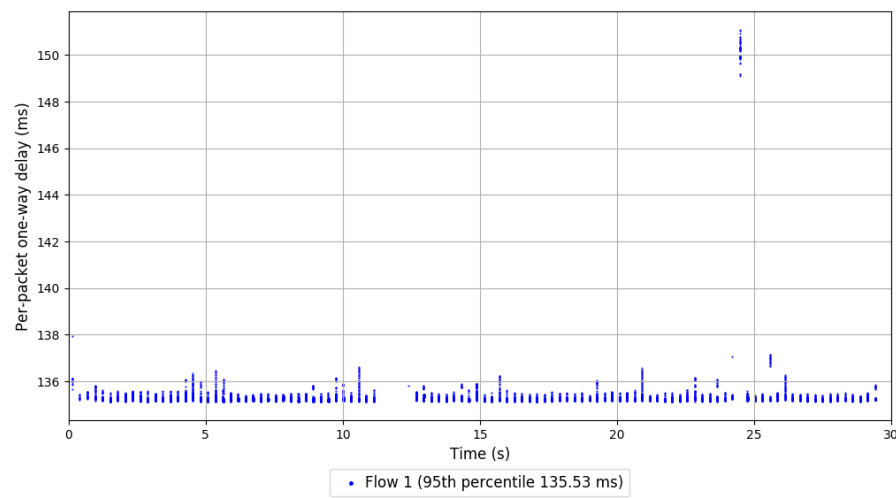
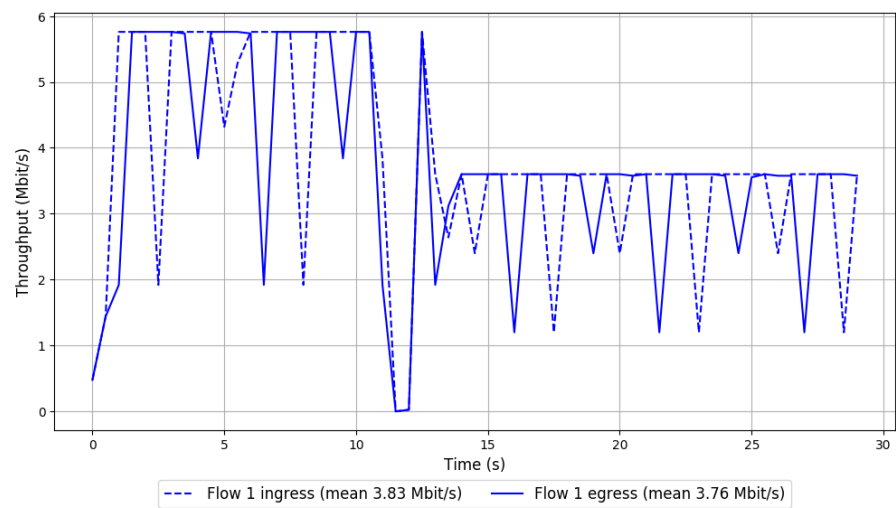


```
Run 3: Statistics of Indigo-delay

Start at: 2017-09-21 21:56:22
End at: 2017-09-21 21:56:52

# Below is generated by plot.py at 2017-09-22 00:16:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.76 Mbit/s
95th percentile per-packet one-way delay: 135.533 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 3.76 Mbit/s
95th percentile per-packet one-way delay: 135.533 ms
Loss rate: 1.82%
```


Run 3: Report of Indigo-delay — Data Link



Run 4: Statistics of Indigo-delay

Start at: 2017-09-21 22:07:35

End at: 2017-09-21 22:08:05

Below is generated by plot.py at 2017-09-22 00:16:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.92 Mbit/s

95th percentile per-packet one-way delay: 135.459 ms

Loss rate: 1.80%

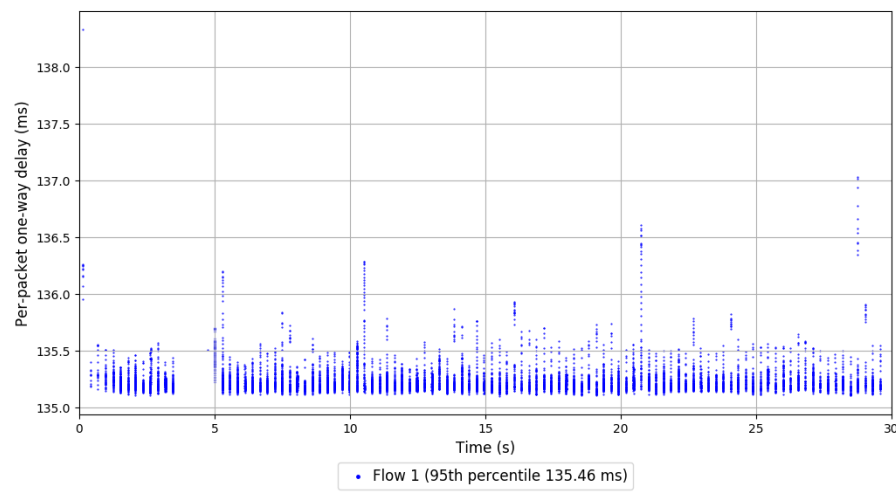
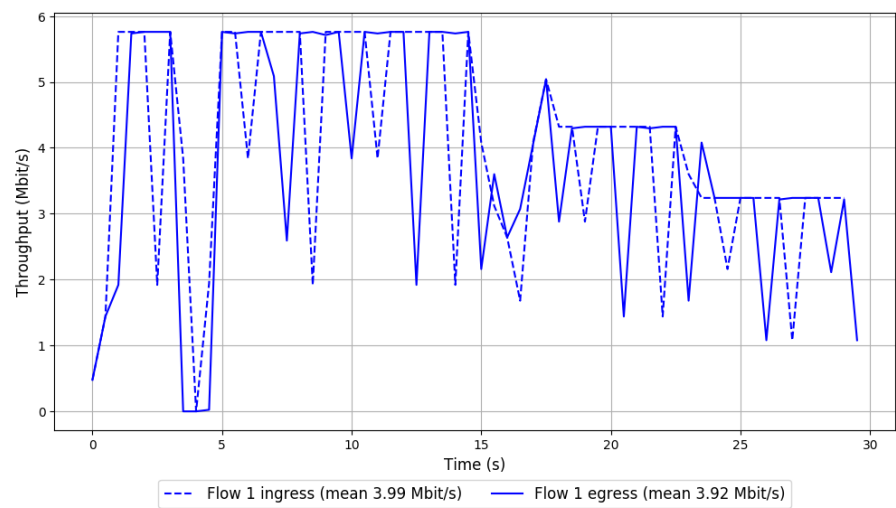
-- Flow 1:

Average throughput: 3.92 Mbit/s

95th percentile per-packet one-way delay: 135.459 ms

Loss rate: 1.80%

Run 4: Report of Indigo-delay — Data Link

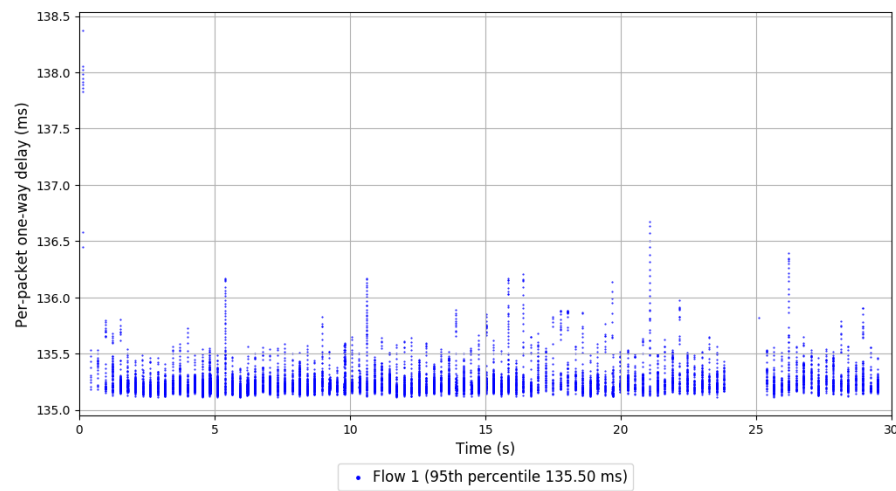
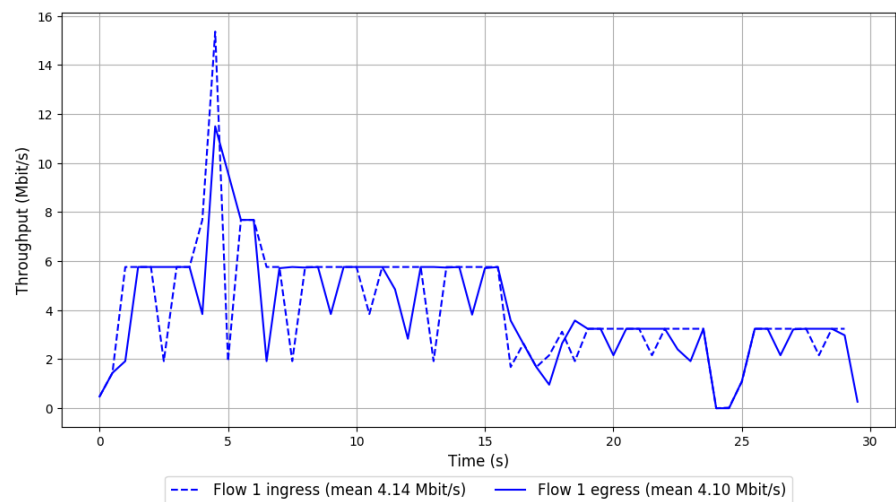


```
Run 5: Statistics of Indigo-delay

Start at: 2017-09-21 22:19:12
End at: 2017-09-21 22:19:42

# Below is generated by plot.py at 2017-09-22 00:16:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.10 Mbit/s
95th percentile per-packet one-way delay: 135.499 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 4.10 Mbit/s
95th percentile per-packet one-way delay: 135.499 ms
Loss rate: 1.01%
```

Run 5: Report of Indigo-delay — Data Link

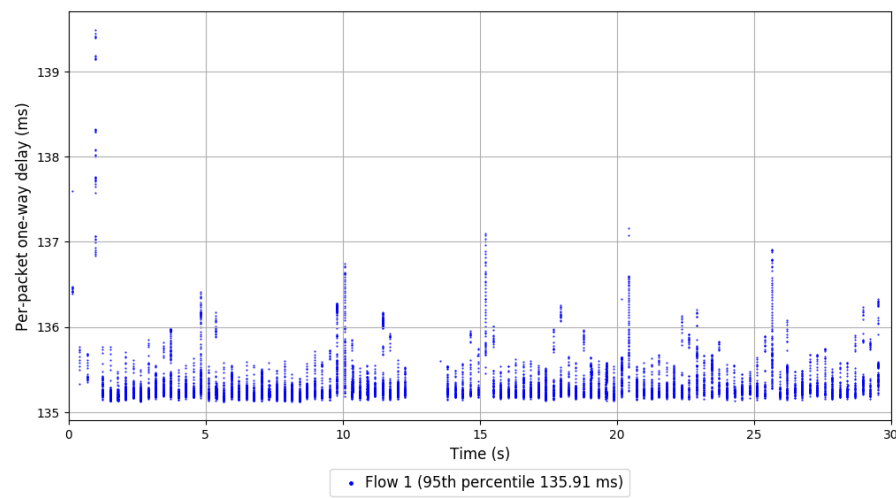
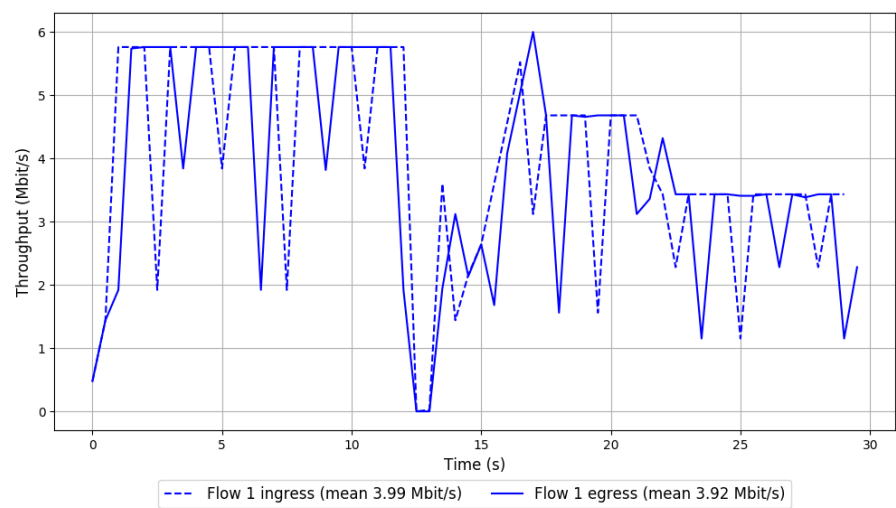


```
Run 6: Statistics of Indigo-delay

Start at: 2017-09-21 22:30:03
End at: 2017-09-21 22:30:33

# Below is generated by plot.py at 2017-09-22 00:16:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.92 Mbit/s
95th percentile per-packet one-way delay: 135.907 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 3.92 Mbit/s
95th percentile per-packet one-way delay: 135.907 ms
Loss rate: 1.72%
```

Run 6: Report of Indigo-delay — Data Link



Run 7: Statistics of Indigo-delay

Start at: 2017-09-21 22:41:08

End at: 2017-09-21 22:41:38

Below is generated by plot.py at 2017-09-22 00:16:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.82 Mbit/s

95th percentile per-packet one-way delay: 135.631 ms

Loss rate: 2.80%

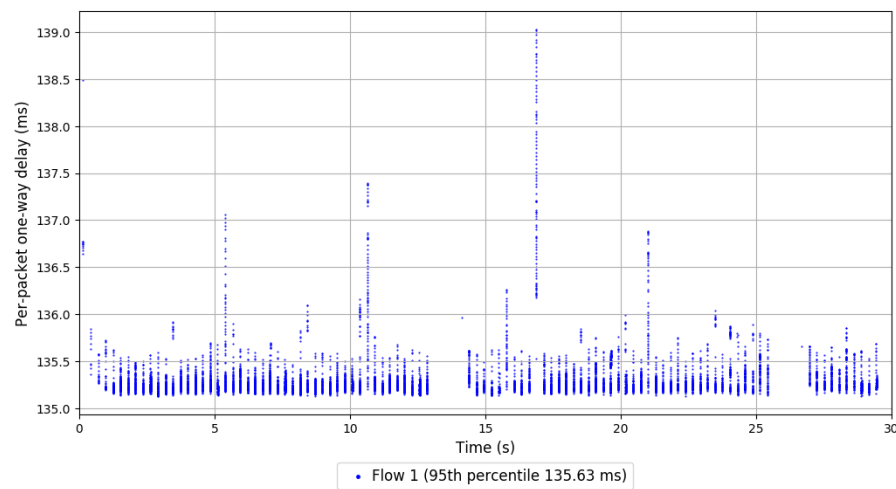
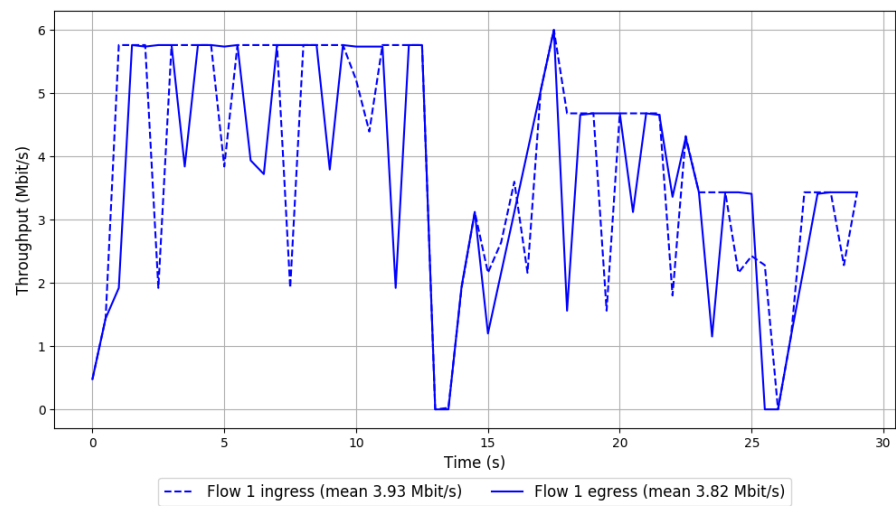
-- Flow 1:

Average throughput: 3.82 Mbit/s

95th percentile per-packet one-way delay: 135.631 ms

Loss rate: 2.80%

Run 7: Report of Indigo-delay — Data Link



Run 8: Statistics of Indigo-delay

Start at: 2017-09-21 22:52:34

End at: 2017-09-21 22:53:04

Below is generated by plot.py at 2017-09-22 00:16:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.55 Mbit/s

95th percentile per-packet one-way delay: 135.526 ms

Loss rate: 1.93%

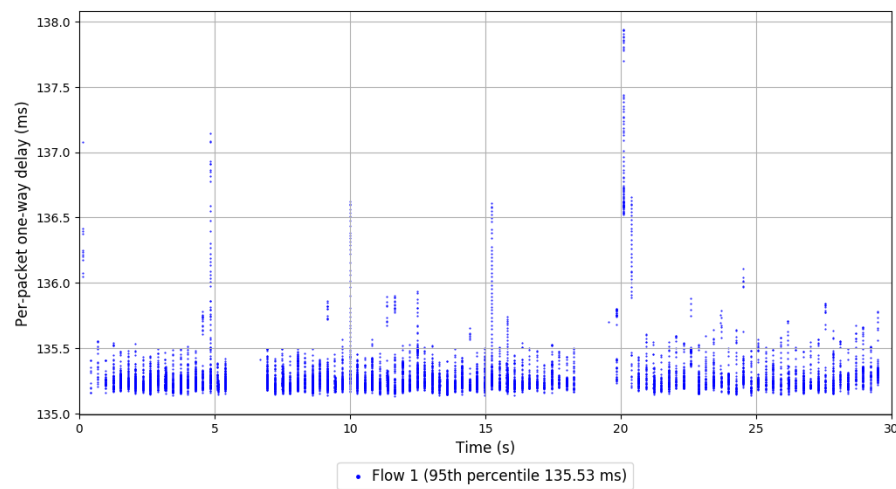
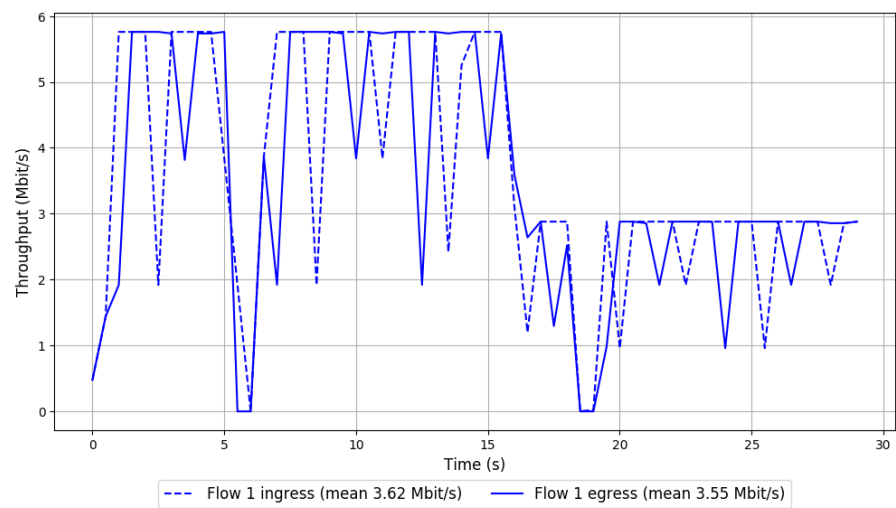
-- Flow 1:

Average throughput: 3.55 Mbit/s

95th percentile per-packet one-way delay: 135.526 ms

Loss rate: 1.93%

Run 8: Report of Indigo-delay — Data Link

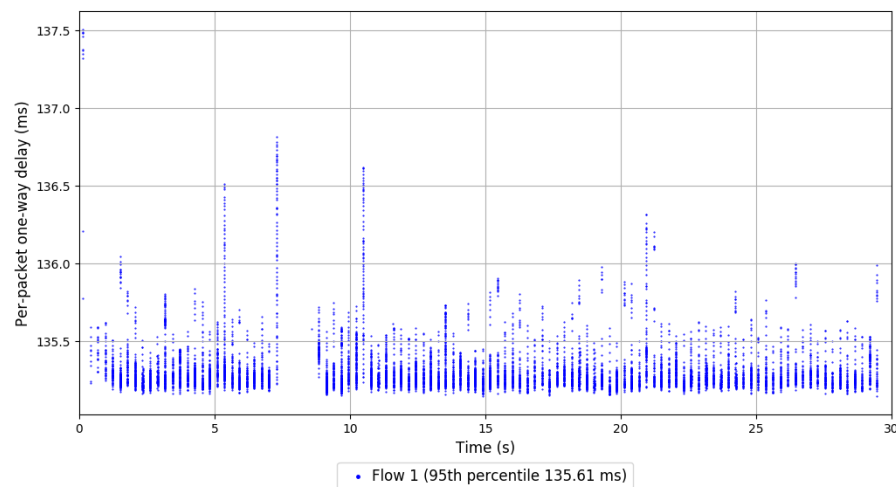
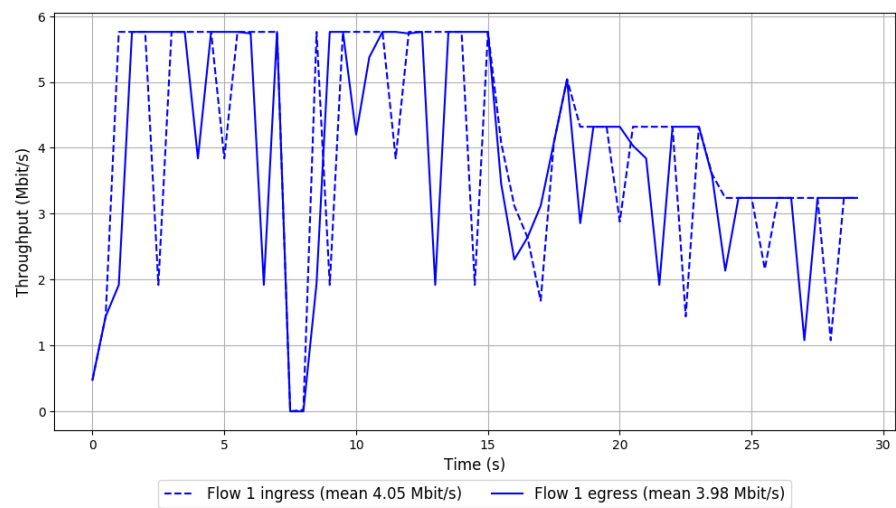


```
Run 9: Statistics of Indigo-delay

Start at: 2017-09-21 23:03:52
End at: 2017-09-21 23:04:22

# Below is generated by plot.py at 2017-09-22 00:16:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.98 Mbit/s
95th percentile per-packet one-way delay: 135.611 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 3.98 Mbit/s
95th percentile per-packet one-way delay: 135.611 ms
Loss rate: 1.80%
```

Run 9: Report of Indigo-delay — Data Link



Run 10: Statistics of Indigo-delay

Start at: 2017-09-21 23:14:26

End at: 2017-09-21 23:14:56

Below is generated by plot.py at 2017-09-22 00:16:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.97 Mbit/s

95th percentile per-packet one-way delay: 135.538 ms

Loss rate: 1.74%

-- Flow 1:

Average throughput: 3.97 Mbit/s

95th percentile per-packet one-way delay: 135.538 ms

Loss rate: 1.74%

Run 10: Report of Indigo-delay — Data Link

