

Pantheon Report

Generated at 2018-01-30 17:41:13 (UTC).

Data path: GCE Iowa Ethernet (*local*) → GCE Sydney Ethernet (*remote*).

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

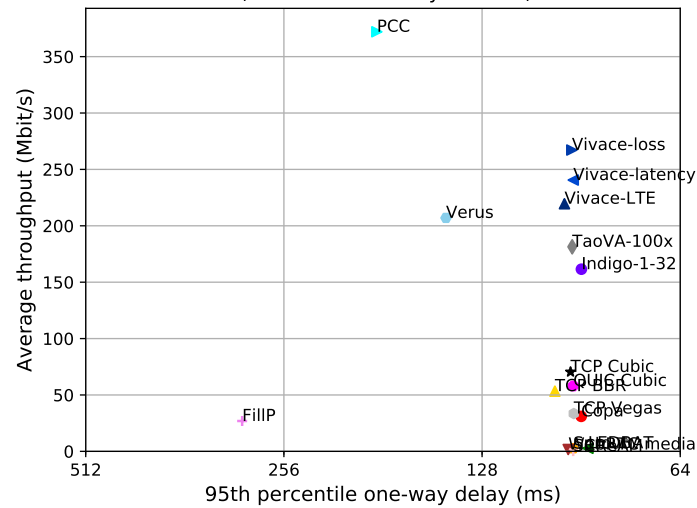
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

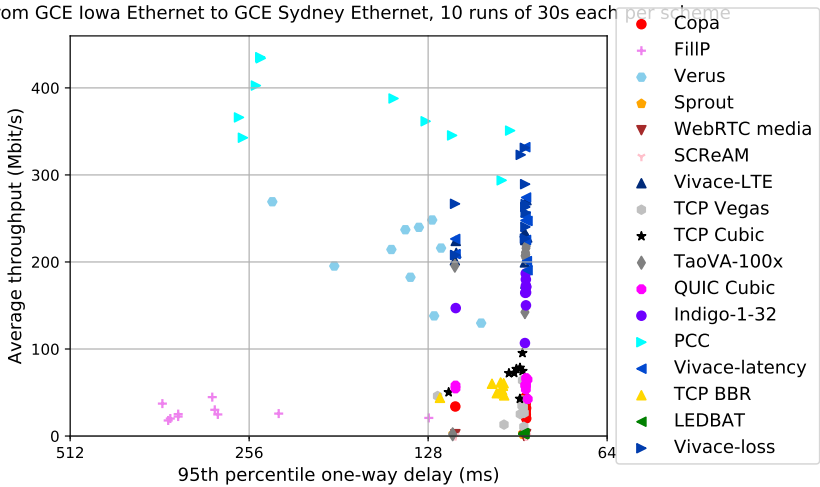
Git summary:

```
branch: master @ 70217998b3c9a7166a95460a70c0854d1326e100
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ fb9c9ab842e5614ad52911a76fb9bd1c1b0dca86
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



test from GCE Iowa Ethernet to GCE Sydney Ethernet, 10 runs of 30s each



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	53.41	99.22	1.89
TCP Cubic	8	70.41	93.94	0.57
LEDBAT	6	2.70	88.40	1.25
PCC	10	372.04	184.93	0.81
QUIC Cubic	10	57.99	93.04	0.01
SCReAM	10	0.22	93.07	0.00
WebRTC media	4	1.64	94.70	0.00
Sprout	6	2.47	93.10	1.85
TaoVA-100x	10	181.37	93.39	0.02
TCP Vegas	10	33.52	92.88	1.12
Verus	10	207.01	145.23	0.54
Copa	10	31.02	90.49	0.04
FillP	10	26.91	296.25	1.68
Indigo-1-32	10	161.52	90.44	0.06
Vivace-latency	10	240.56	93.06	0.04
Vivace-loss	10	267.18	93.50	0.01
Vivace-LTE	10	219.56	95.96	0.06

Run 1: Statistics of TCP BBR

Start at: 2018-01-30 13:35:56

End at: 2018-01-30 13:36:26

Below is generated by plot.py at 2018-01-30 16:51:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.24 Mbit/s

95th percentile per-packet one-way delay: 95.904 ms

Loss rate: 1.83%

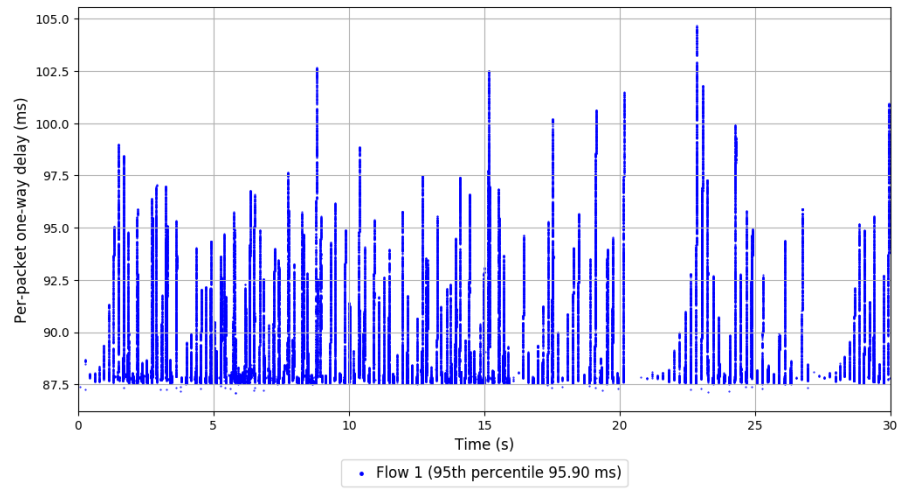
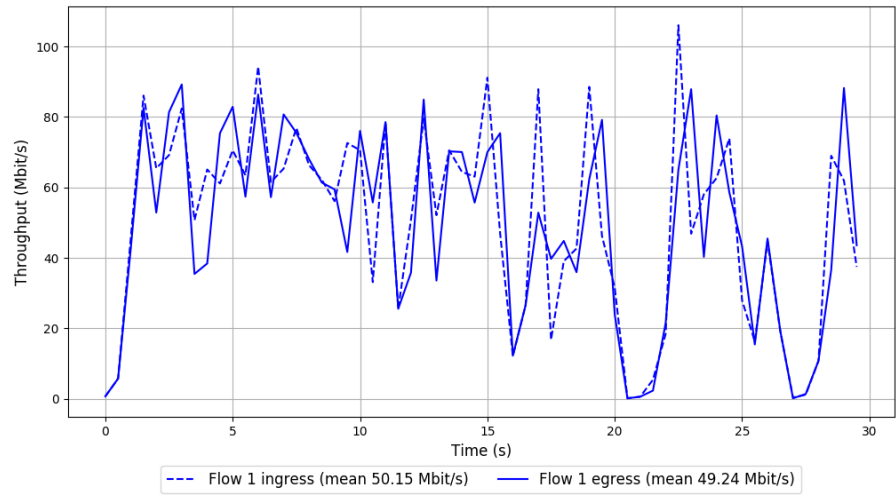
-- Flow 1:

Average throughput: 49.24 Mbit/s

95th percentile per-packet one-way delay: 95.904 ms

Loss rate: 1.83%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-01-30 13:50:37

End at: 2018-01-30 13:51:07

Below is generated by plot.py at 2018-01-30 16:52:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.66 Mbit/s

95th percentile per-packet one-way delay: 95.814 ms

Loss rate: 1.73%

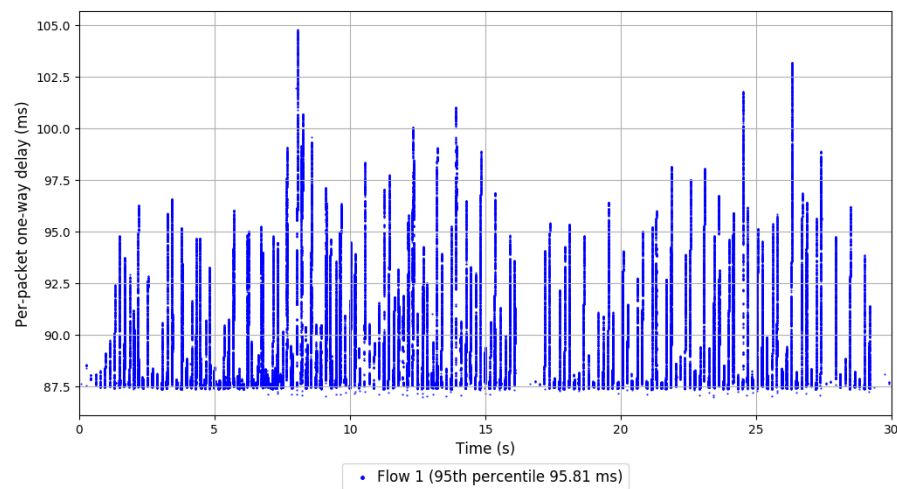
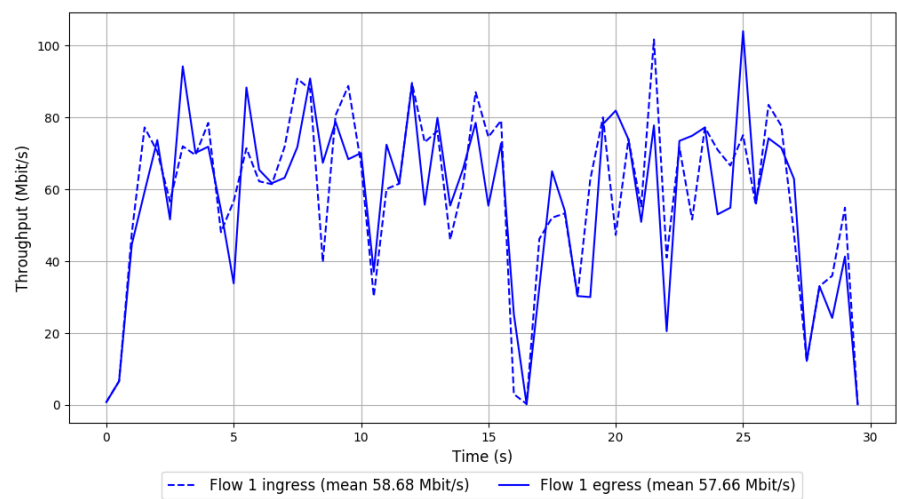
-- Flow 1:

Average throughput: 57.66 Mbit/s

95th percentile per-packet one-way delay: 95.814 ms

Loss rate: 1.73%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-01-30 14:05:20

End at: 2018-01-30 14:05:50

Below is generated by plot.py at 2018-01-30 16:52:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.73 Mbit/s

95th percentile per-packet one-way delay: 95.552 ms

Loss rate: 0.90%

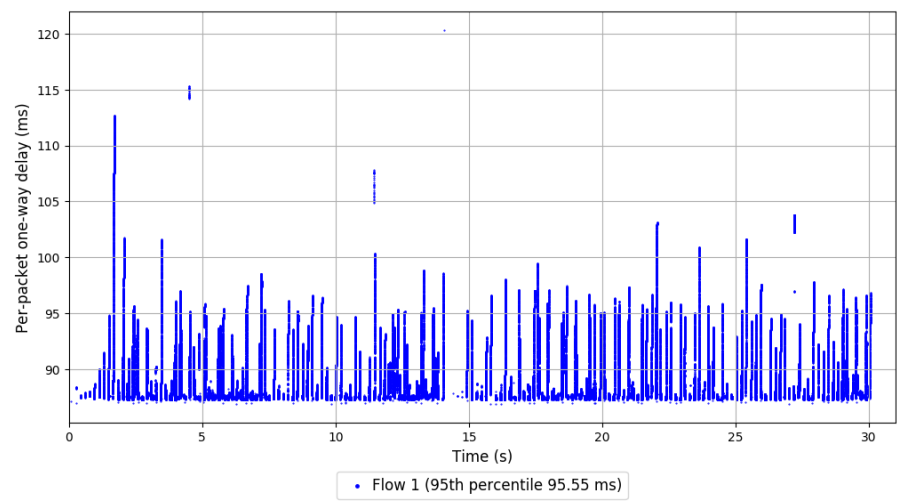
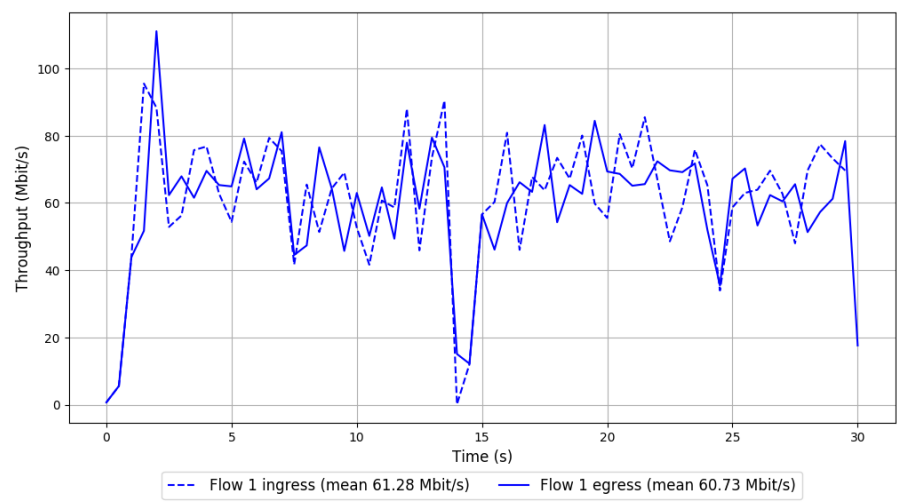
-- Flow 1:

Average throughput: 60.73 Mbit/s

95th percentile per-packet one-way delay: 95.552 ms

Loss rate: 0.90%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-01-30 14:19:41

End at: 2018-01-30 14:20:11

Below is generated by plot.py at 2018-01-30 16:52:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.58 Mbit/s

95th percentile per-packet one-way delay: 96.672 ms

Loss rate: 2.80%

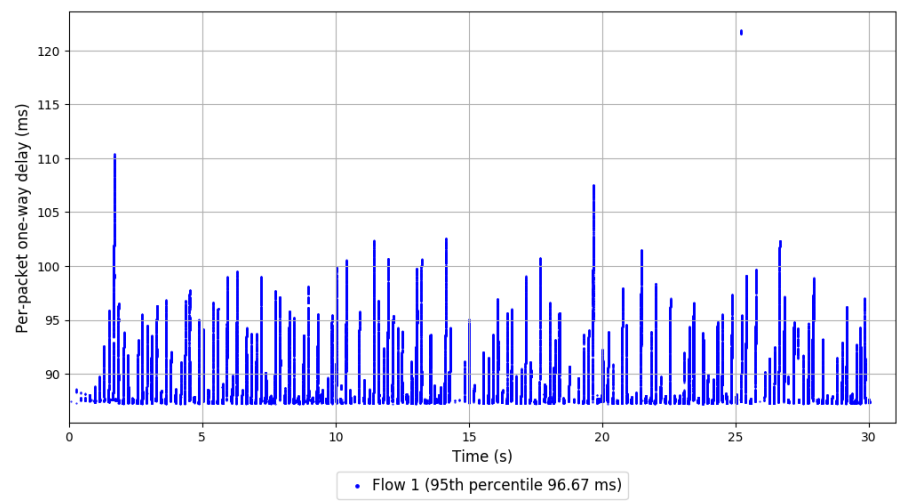
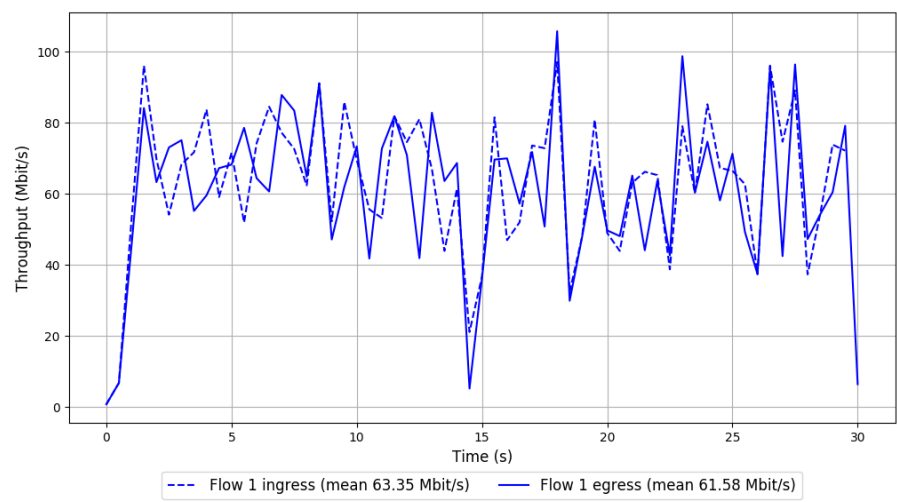
-- Flow 1:

Average throughput: 61.58 Mbit/s

95th percentile per-packet one-way delay: 96.672 ms

Loss rate: 2.80%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-01-30 14:34:07

End at: 2018-01-30 14:34:37

Below is generated by plot.py at 2018-01-30 16:52:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.12 Mbit/s

95th percentile per-packet one-way delay: 99.962 ms

Loss rate: 0.15%

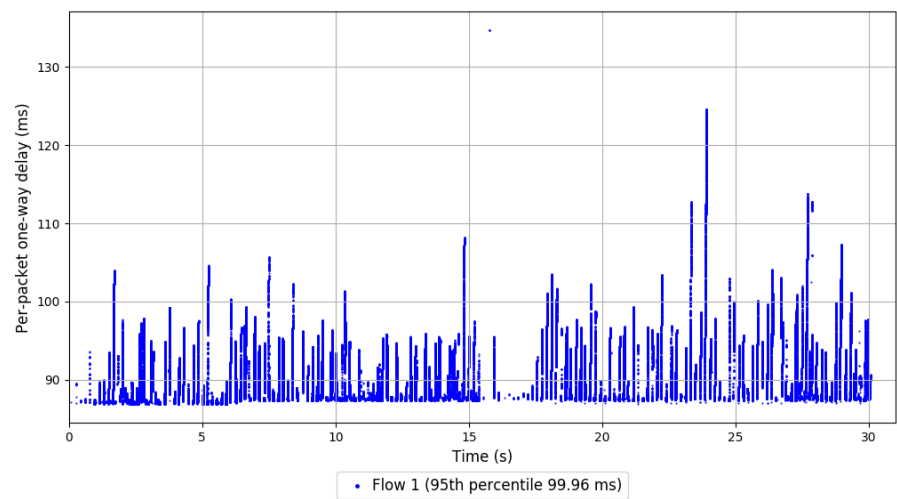
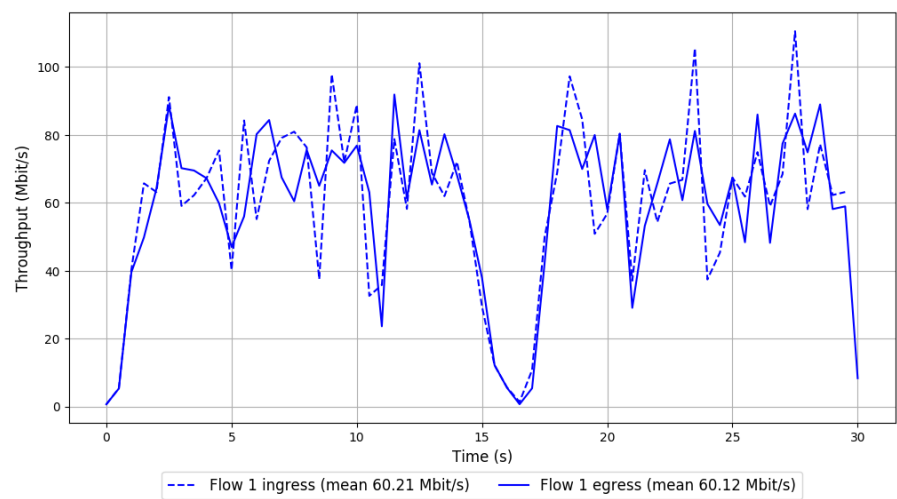
-- Flow 1:

Average throughput: 60.12 Mbit/s

95th percentile per-packet one-way delay: 99.962 ms

Loss rate: 0.15%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-01-30 14:48:39

End at: 2018-01-30 14:49:09

Below is generated by plot.py at 2018-01-30 16:52:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.23 Mbit/s

95th percentile per-packet one-way delay: 98.116 ms

Loss rate: 2.92%

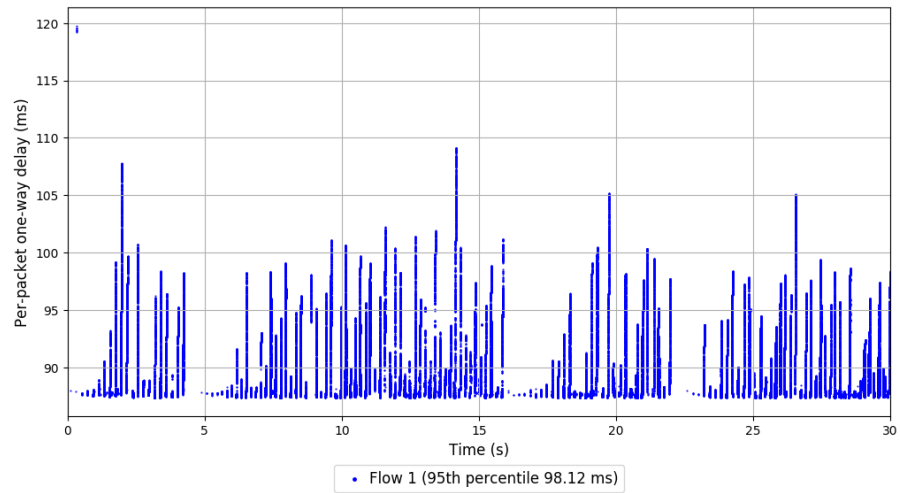
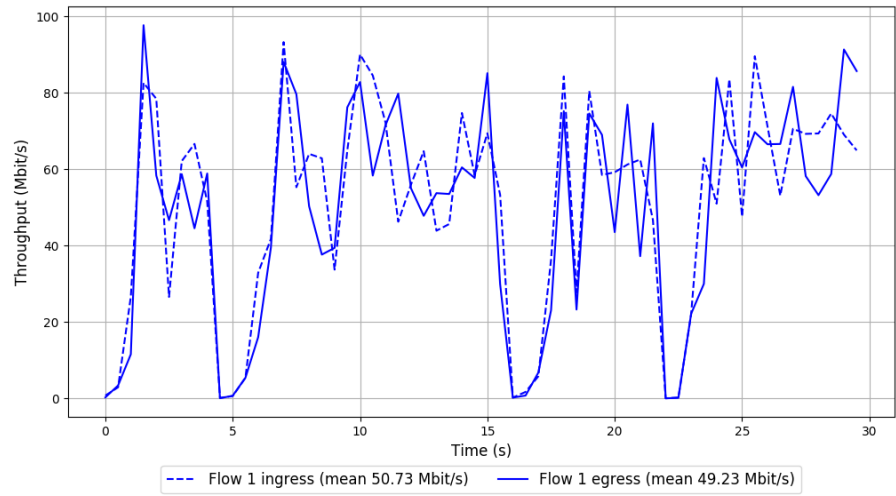
-- Flow 1:

Average throughput: 49.23 Mbit/s

95th percentile per-packet one-way delay: 98.116 ms

Loss rate: 2.92%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-01-30 15:03:10

End at: 2018-01-30 15:03:40

Below is generated by plot.py at 2018-01-30 16:52:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.91 Mbit/s

95th percentile per-packet one-way delay: 122.274 ms

Loss rate: 1.71%

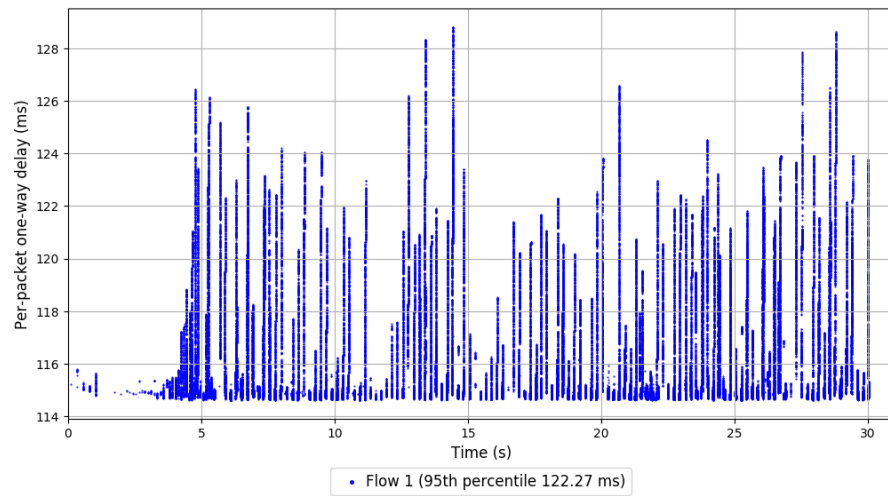
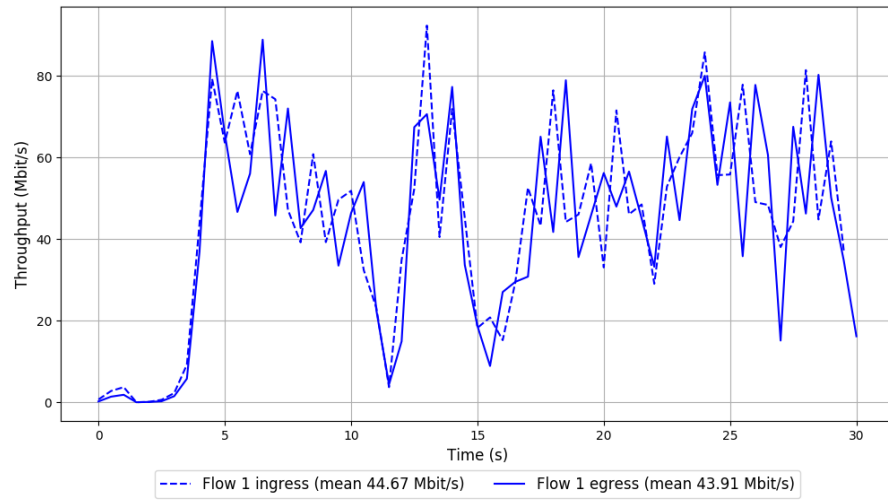
-- Flow 1:

Average throughput: 43.91 Mbit/s

95th percentile per-packet one-way delay: 122.274 ms

Loss rate: 1.71%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-01-30 15:17:49

End at: 2018-01-30 15:18:19

Below is generated by plot.py at 2018-01-30 16:52:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.83 Mbit/s

95th percentile per-packet one-way delay: 96.114 ms

Loss rate: 1.93%

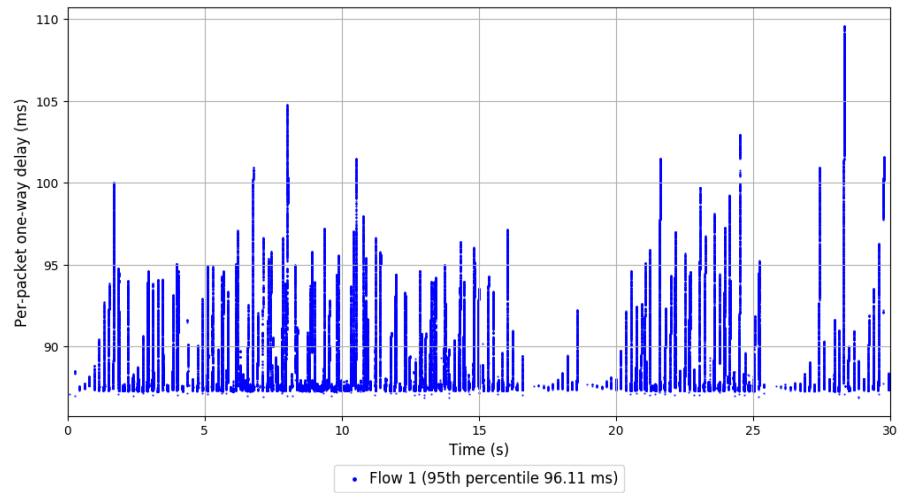
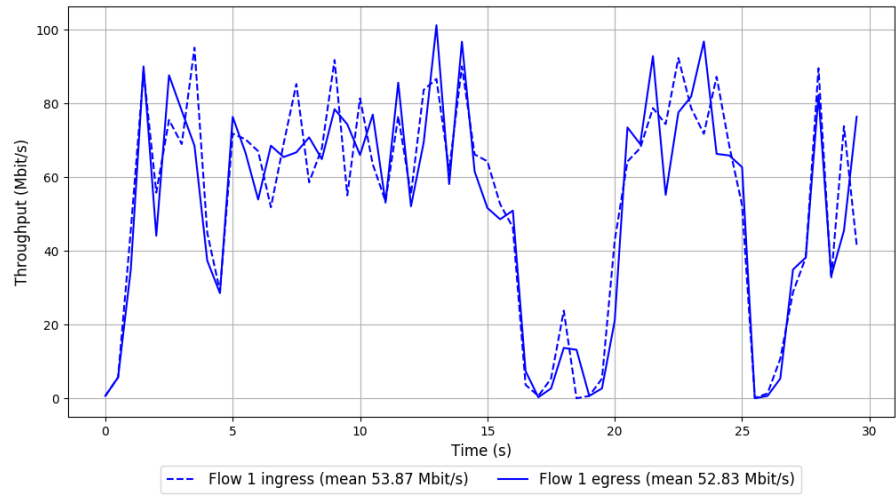
-- Flow 1:

Average throughput: 52.83 Mbit/s

95th percentile per-packet one-way delay: 96.114 ms

Loss rate: 1.93%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-01-30 15:32:08

End at: 2018-01-30 15:32:38

Below is generated by plot.py at 2018-01-30 16:52:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.11 Mbit/s

95th percentile per-packet one-way delay: 96.470 ms

Loss rate: 1.60%

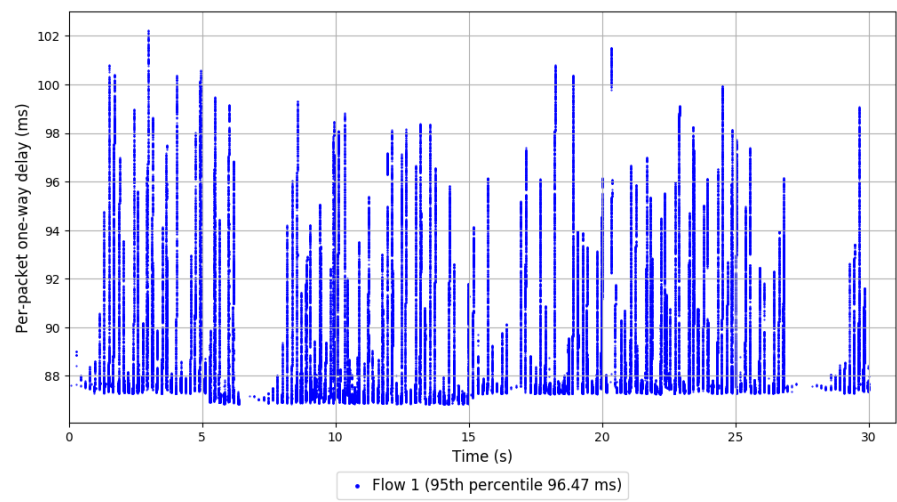
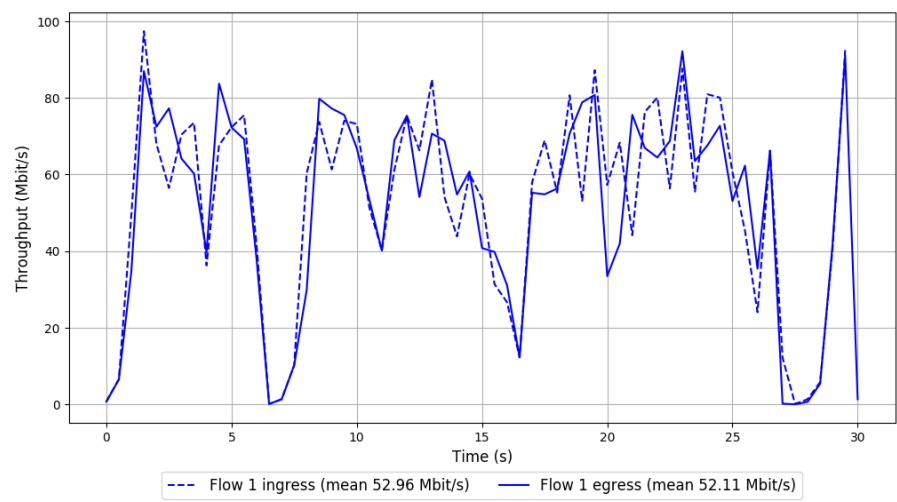
-- Flow 1:

Average throughput: 52.11 Mbit/s

95th percentile per-packet one-way delay: 96.470 ms

Loss rate: 1.60%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-01-30 15:46:29

End at: 2018-01-30 15:46:59

Below is generated by plot.py at 2018-01-30 16:52:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.71 Mbit/s

95th percentile per-packet one-way delay: 95.338 ms

Loss rate: 3.33%

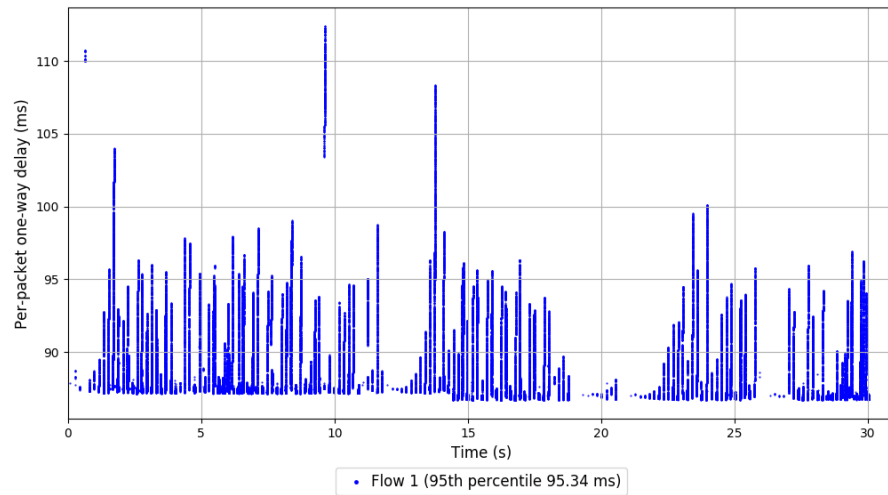
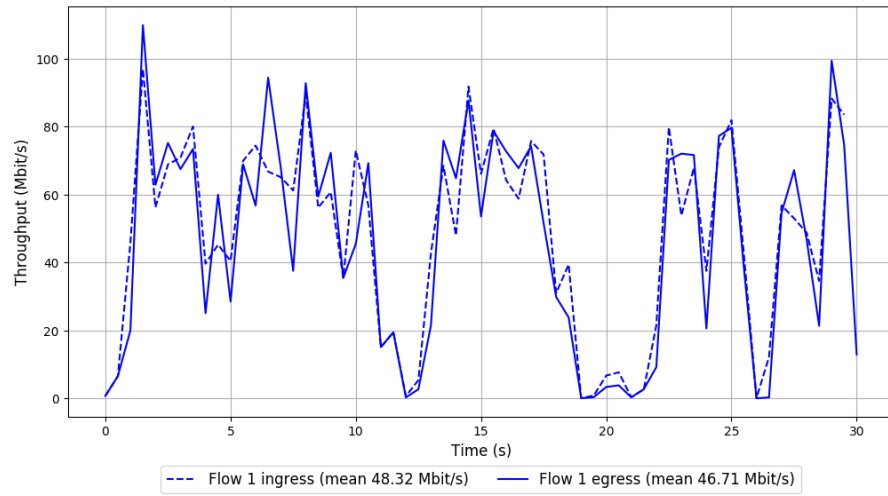
-- Flow 1:

Average throughput: 46.71 Mbit/s

95th percentile per-packet one-way delay: 95.338 ms

Loss rate: 3.33%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-01-30 13:29:26

End at: 2018-01-30 13:29:56

Below is generated by plot.py at 2018-01-30 16:52:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.78 Mbit/s

95th percentile per-packet one-way delay: 89.736 ms

Loss rate: 1.33%

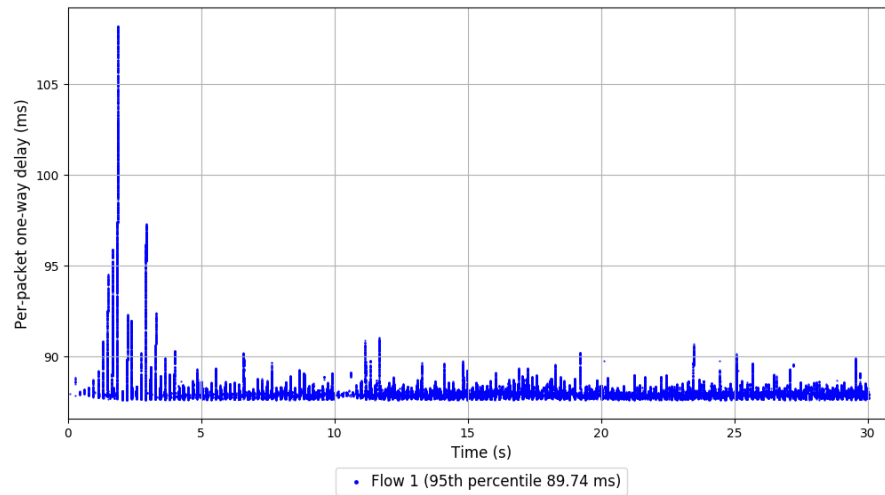
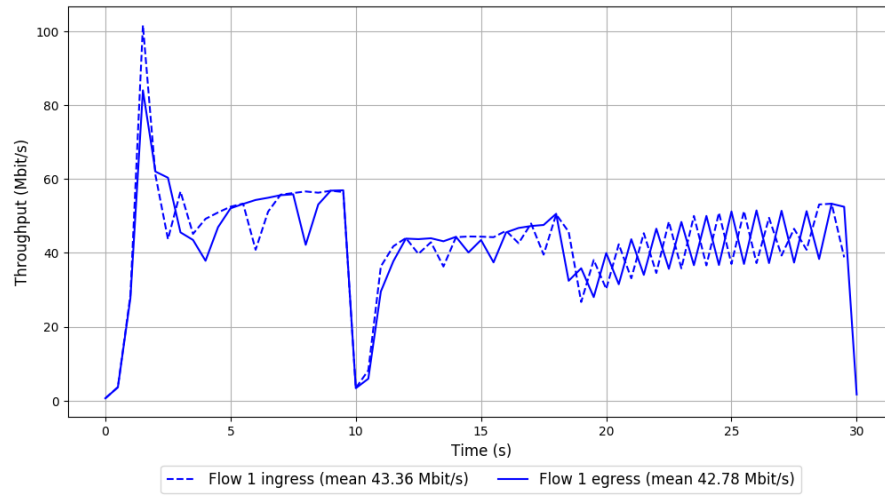
-- Flow 1:

Average throughput: 42.78 Mbit/s

95th percentile per-packet one-way delay: 89.736 ms

Loss rate: 1.33%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-01-30 13:43:56

End at: 2018-01-30 13:44:26

Below is generated by plot.py at 2018-01-30 16:53:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.40 Mbit/s

95th percentile per-packet one-way delay: 89.696 ms

Loss rate: 0.00%

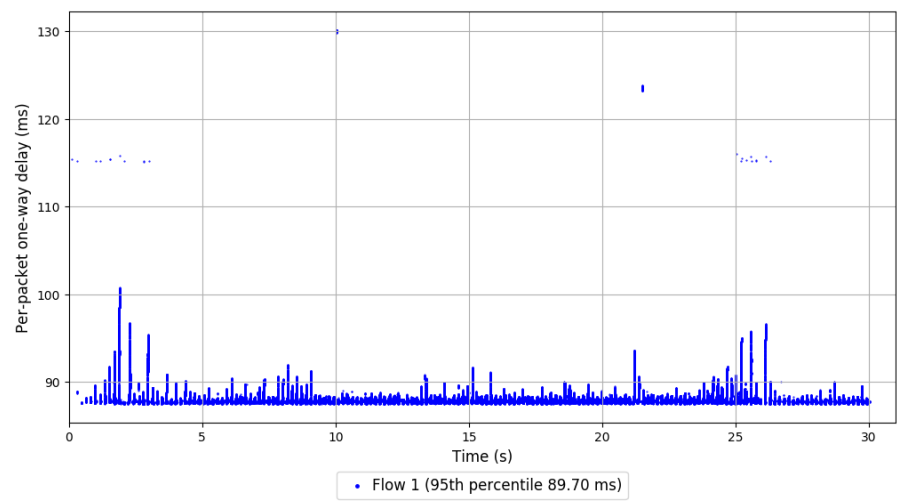
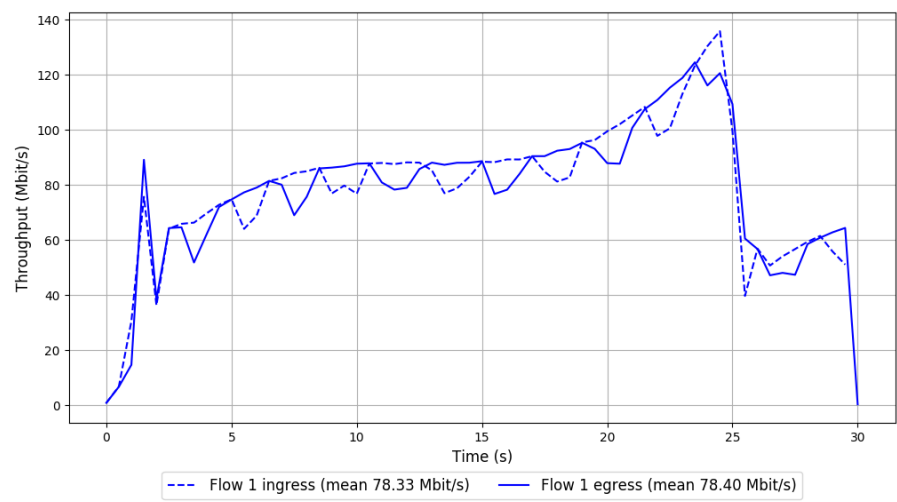
-- Flow 1:

Average throughput: 78.40 Mbit/s

95th percentile per-packet one-way delay: 89.696 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

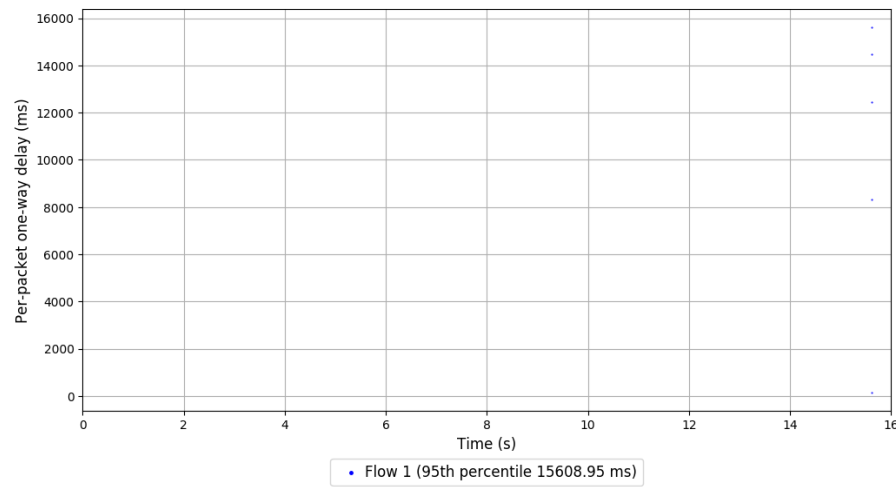
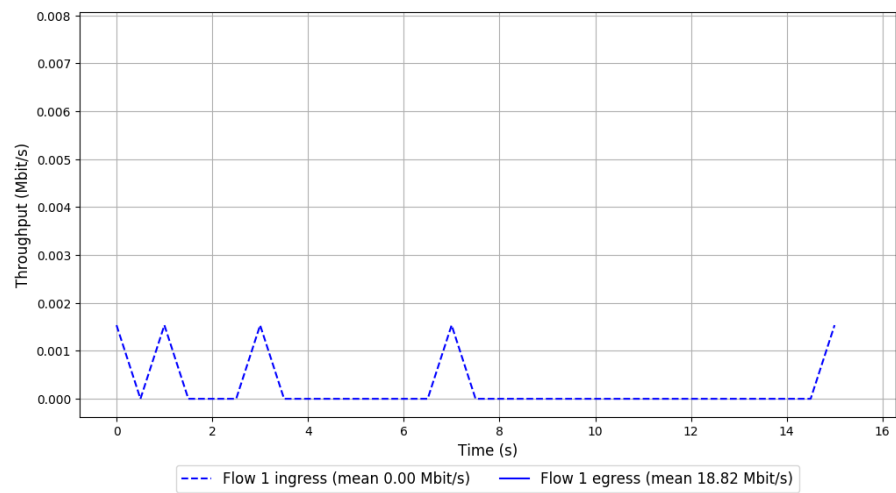


Run 3: Statistics of TCP Cubic

Start at: 2018-01-30 13:58:43

End at: 2018-01-30 13:59:13

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-01-30 14:12:59

End at: 2018-01-30 14:13:29

Below is generated by plot.py at 2018-01-30 16:53:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.49 Mbit/s

95th percentile per-packet one-way delay: 91.730 ms

Loss rate: 0.49%

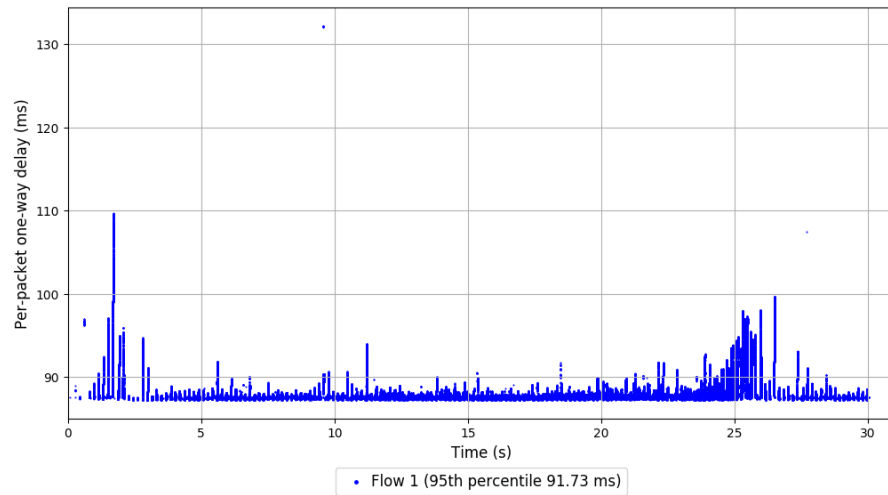
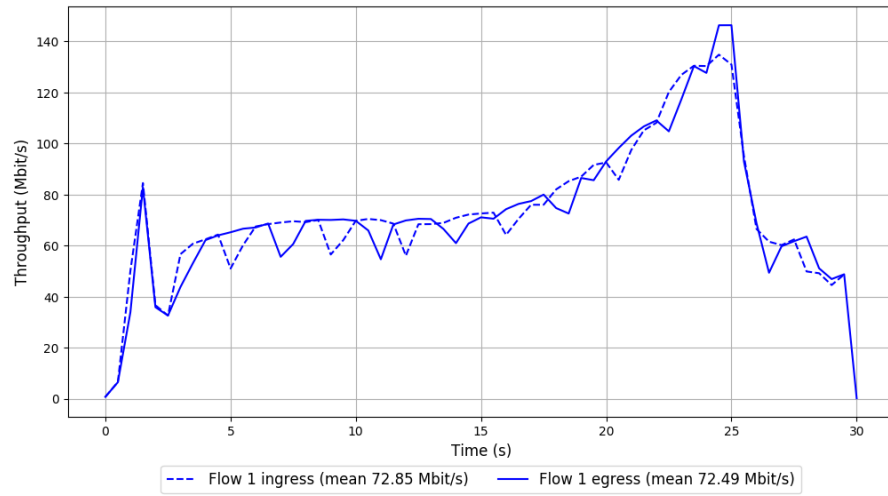
-- Flow 1:

Average throughput: 72.49 Mbit/s

95th percentile per-packet one-way delay: 91.730 ms

Loss rate: 0.49%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-01-30 14:27:32

End at: 2018-01-30 14:28:02

Below is generated by plot.py at 2018-01-30 16:53:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.71 Mbit/s

95th percentile per-packet one-way delay: 88.766 ms

Loss rate: 0.12%

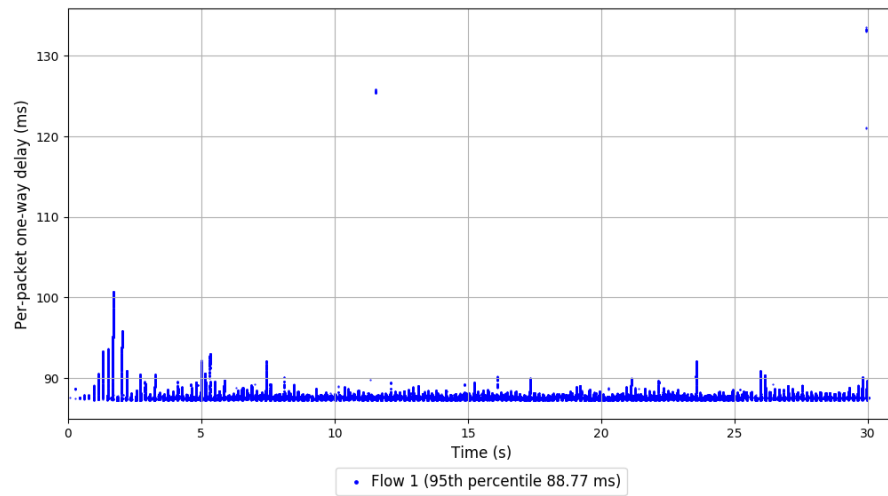
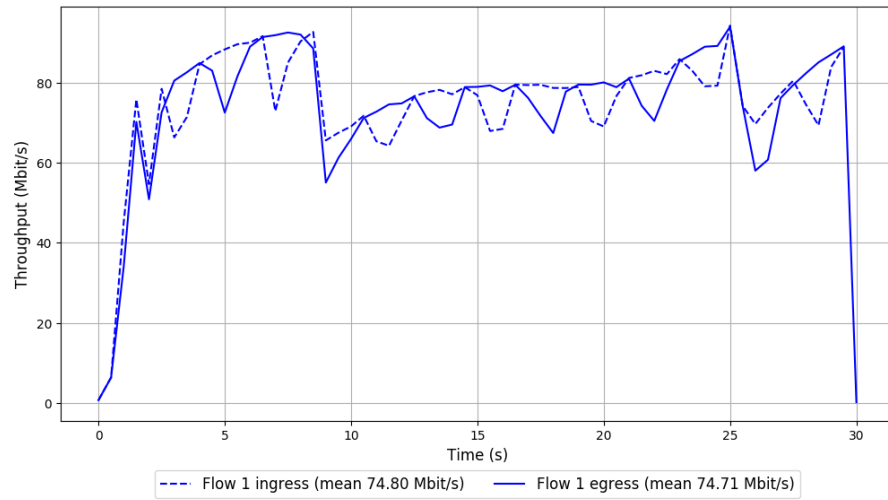
-- Flow 1:

Average throughput: 74.71 Mbit/s

95th percentile per-packet one-way delay: 88.766 ms

Loss rate: 0.12%

Run 5: Report of TCP Cubic — Data Link

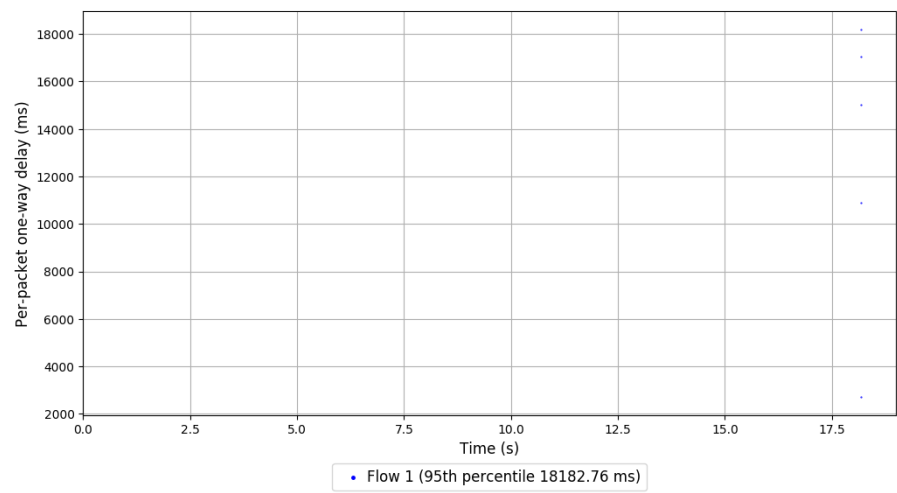
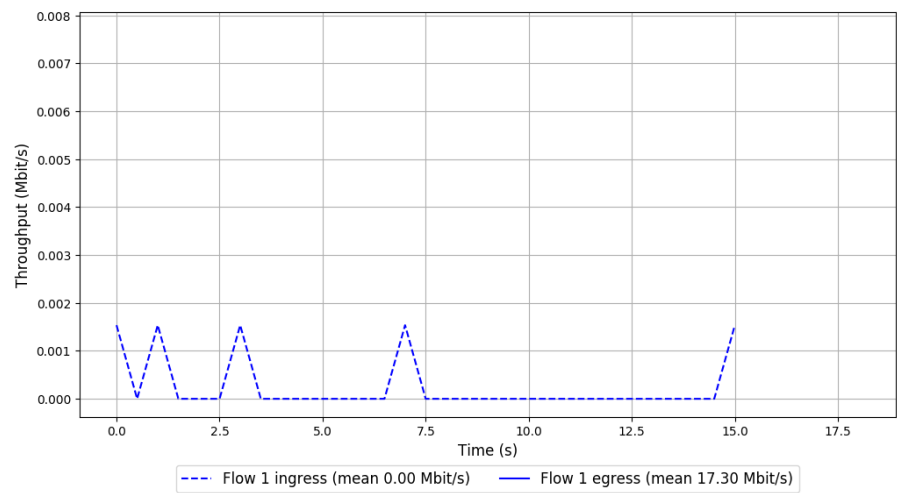


Run 6: Statistics of TCP Cubic

Start at: 2018-01-30 14:42:12

End at: 2018-01-30 14:42:42

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-01-30 14:56:35

End at: 2018-01-30 14:57:05

Below is generated by plot.py at 2018-01-30 16:53:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.34 Mbit/s

95th percentile per-packet one-way delay: 118.230 ms

Loss rate: 0.59%

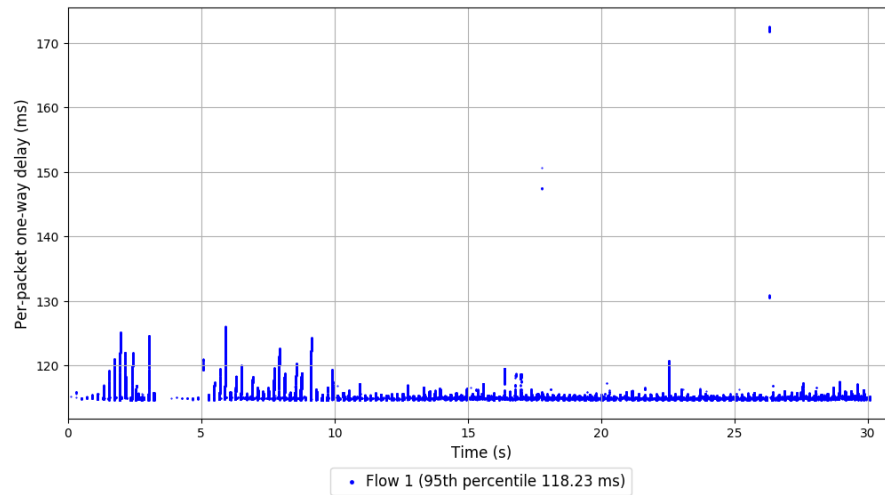
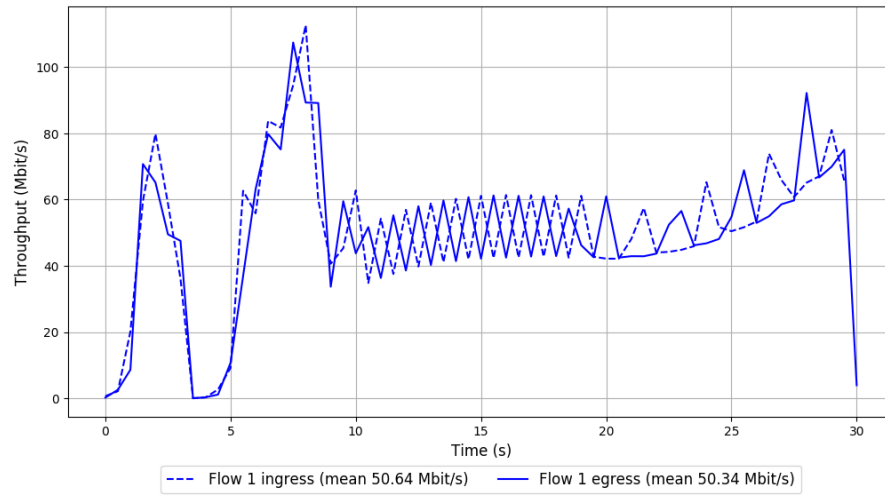
-- Flow 1:

Average throughput: 50.34 Mbit/s

95th percentile per-packet one-way delay: 118.230 ms

Loss rate: 0.59%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-01-30 15:11:11

End at: 2018-01-30 15:11:41

Below is generated by plot.py at 2018-01-30 16:53:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.03 Mbit/s

95th percentile per-packet one-way delay: 90.934 ms

Loss rate: 0.29%

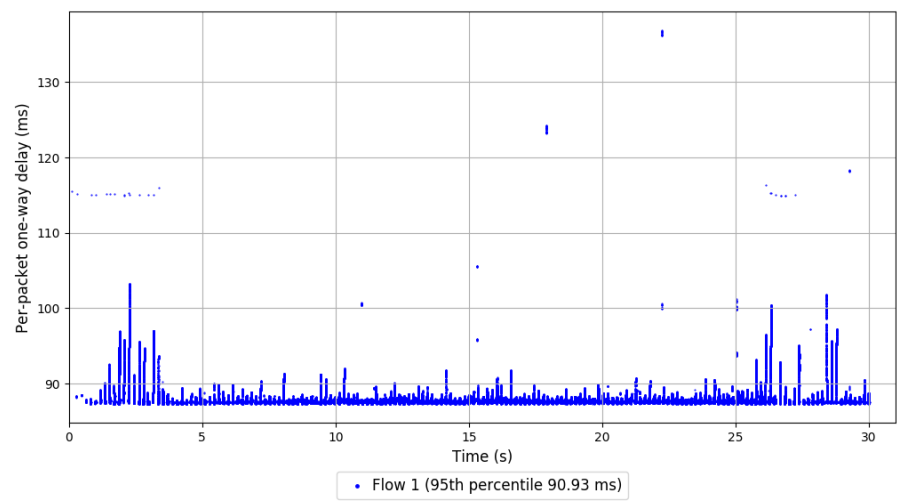
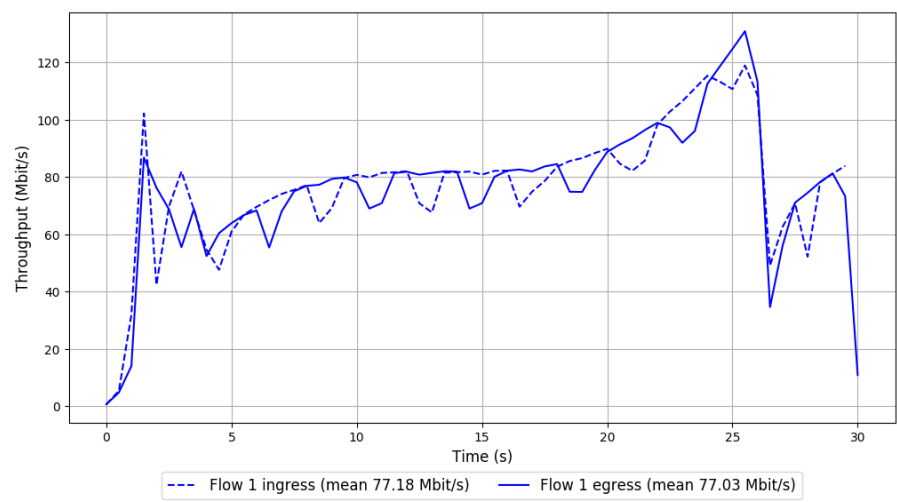
-- Flow 1:

Average throughput: 77.03 Mbit/s

95th percentile per-packet one-way delay: 90.934 ms

Loss rate: 0.29%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-01-30 15:25:46

End at: 2018-01-30 15:26:16

Below is generated by plot.py at 2018-01-30 16:54:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.21 Mbit/s

95th percentile per-packet one-way delay: 93.611 ms

Loss rate: 1.44%

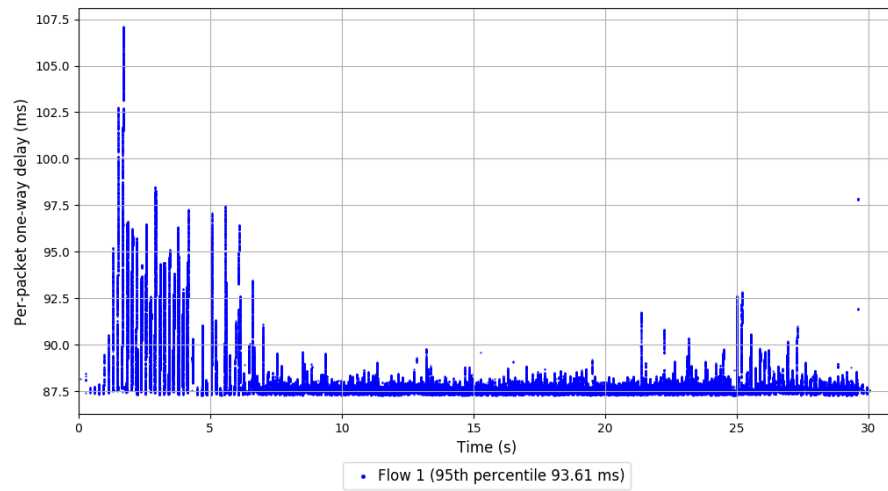
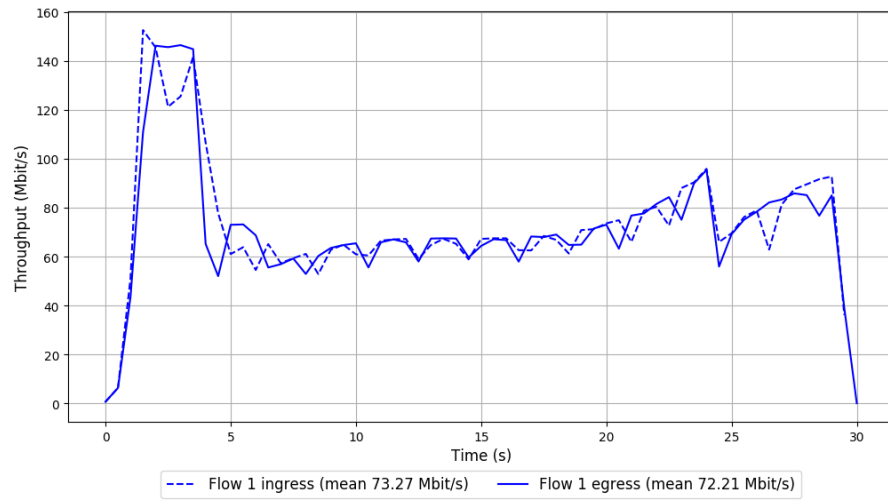
-- Flow 1:

Average throughput: 72.21 Mbit/s

95th percentile per-packet one-way delay: 93.611 ms

Loss rate: 1.44%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-01-30 15:40:05

End at: 2018-01-30 15:40:35

Below is generated by plot.py at 2018-01-30 16:54:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.35 Mbit/s

95th percentile per-packet one-way delay: 88.827 ms

Loss rate: 0.32%

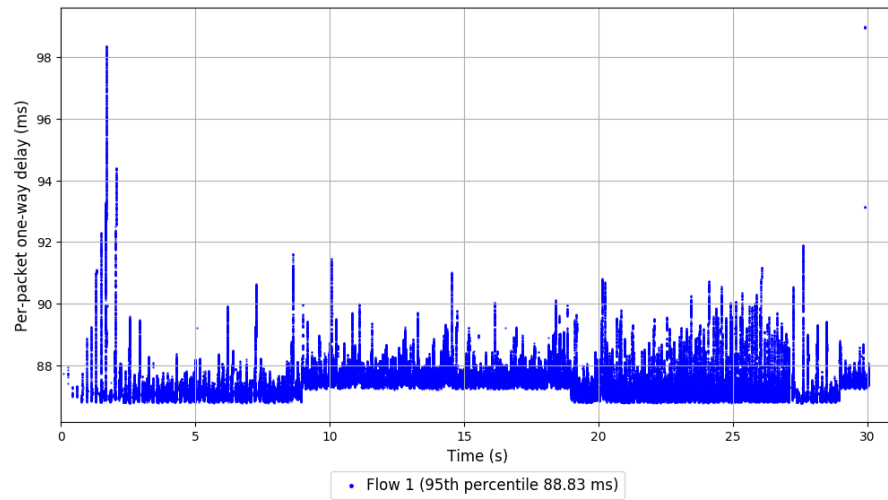
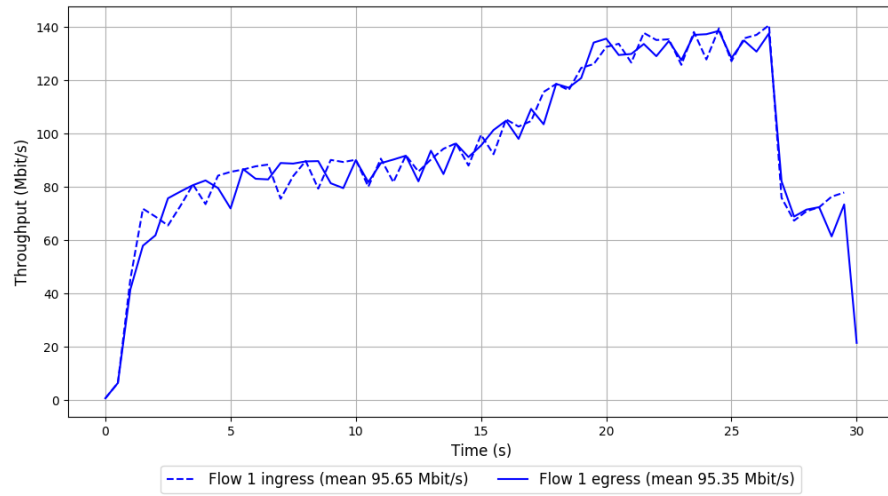
-- Flow 1:

Average throughput: 95.35 Mbit/s

95th percentile per-packet one-way delay: 88.827 ms

Loss rate: 0.32%

Run 10: Report of TCP Cubic — Data Link

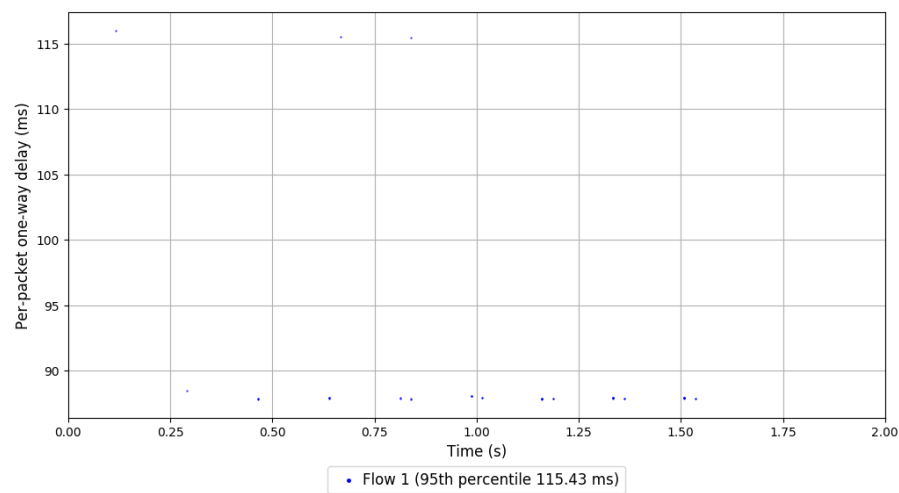
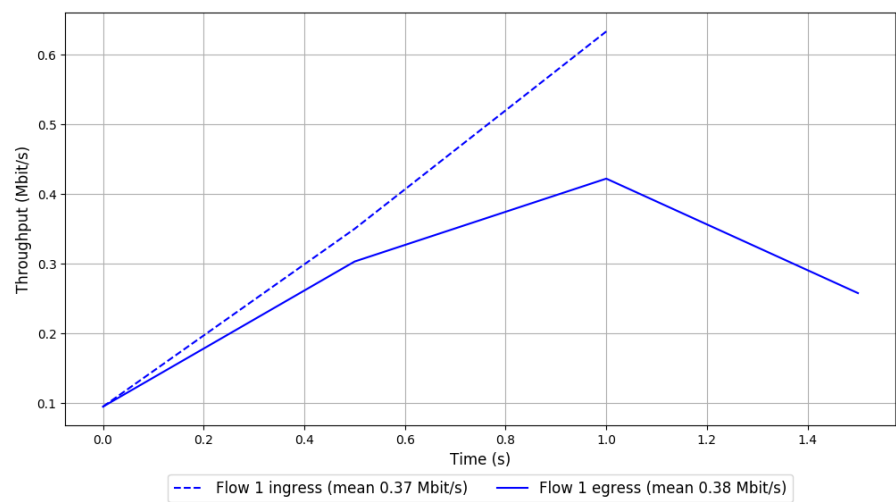


Run 1: Statistics of LEDBAT

Start at: 2018-01-30 13:28:46

End at: 2018-01-30 13:29:16

Run 1: Report of LEDBAT — Data Link

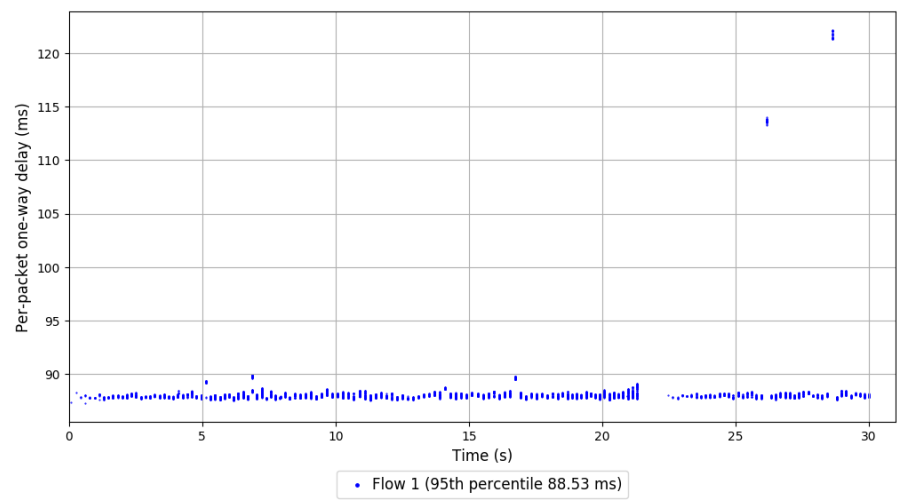
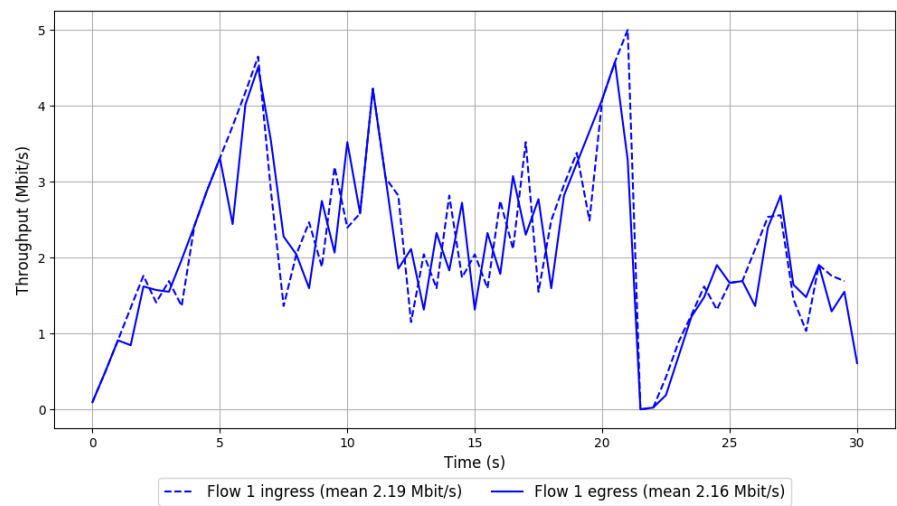


```
Run 2: Statistics of LEDBAT

Start at: 2018-01-30 13:43:16
End at: 2018-01-30 13:43:46

# Below is generated by plot.py at 2018-01-30 16:54:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 88.526 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 88.526 ms
Loss rate: 1.33%
```

Run 2: Report of LEDBAT — Data Link

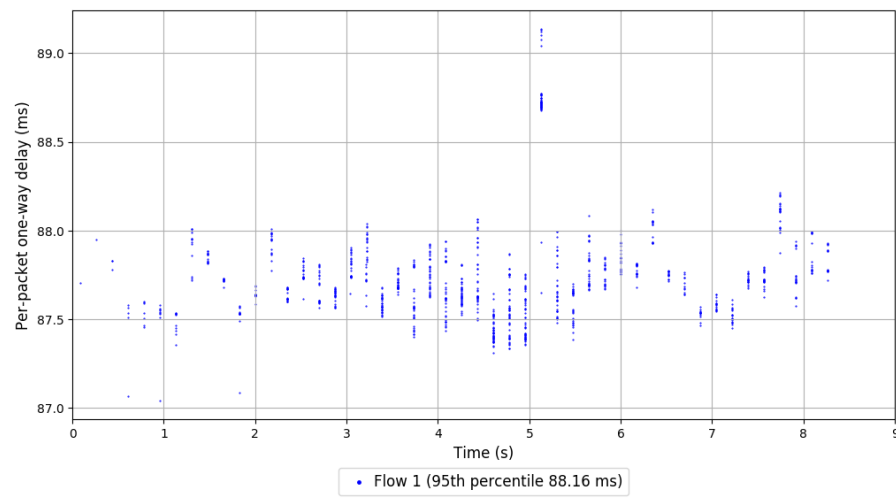
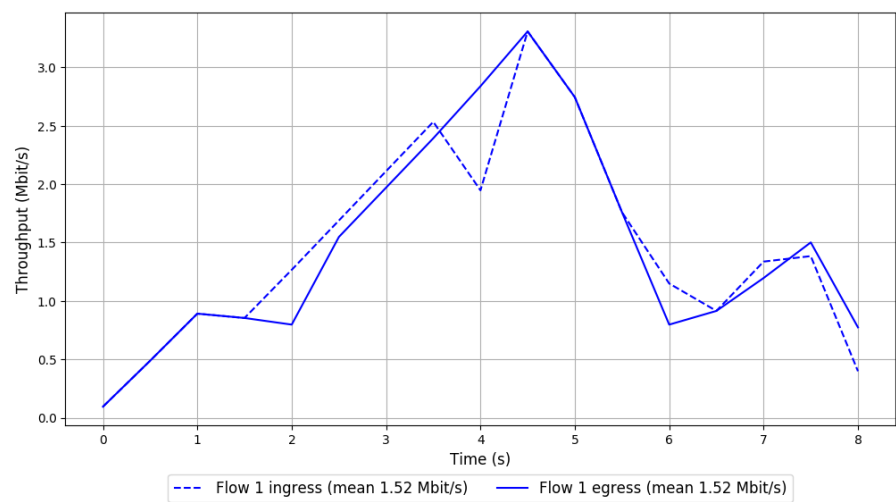


Run 3: Statistics of LEDBAT

Start at: 2018-01-30 13:58:04

End at: 2018-01-30 13:58:34

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-01-30 14:12:20

End at: 2018-01-30 14:12:50

Below is generated by plot.py at 2018-01-30 16:54:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.10 Mbit/s

95th percentile per-packet one-way delay: 88.297 ms

Loss rate: 2.28%

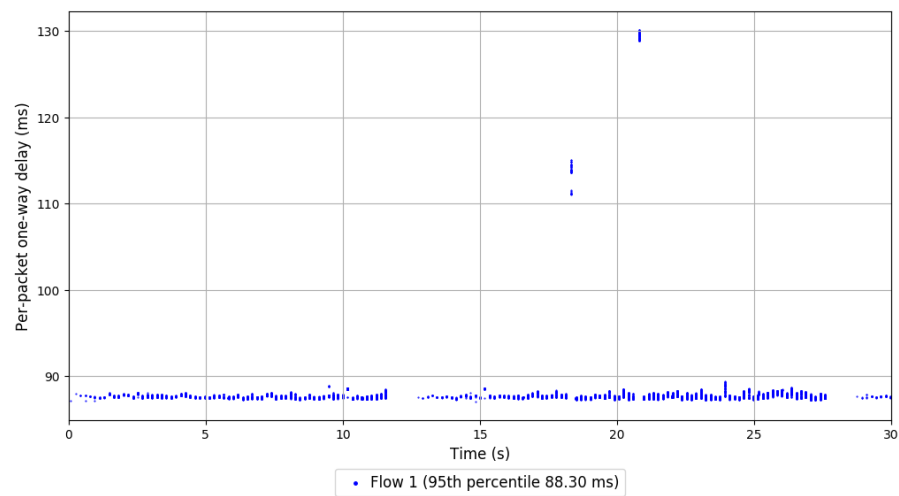
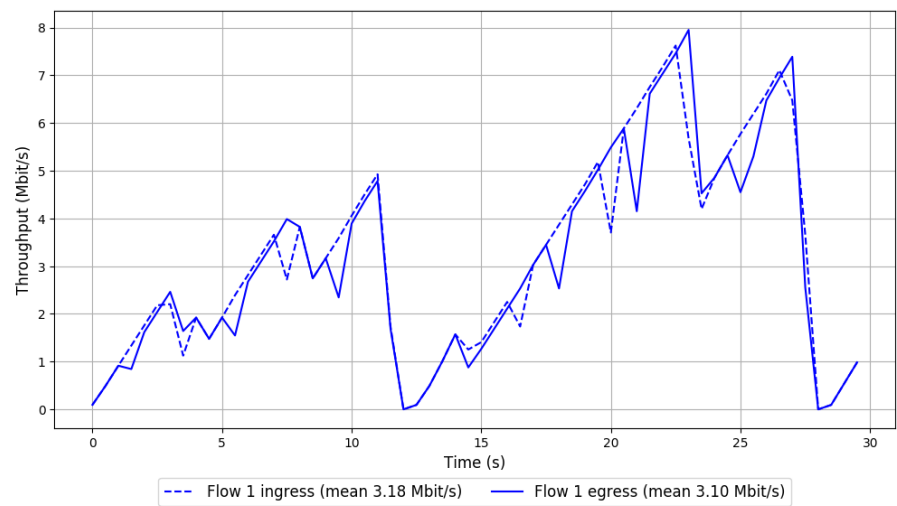
-- Flow 1:

Average throughput: 3.10 Mbit/s

95th percentile per-packet one-way delay: 88.297 ms

Loss rate: 2.28%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-01-30 14:26:53

End at: 2018-01-30 14:27:23

Below is generated by plot.py at 2018-01-30 16:54:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.52 Mbit/s

95th percentile per-packet one-way delay: 88.324 ms

Loss rate: 2.63%

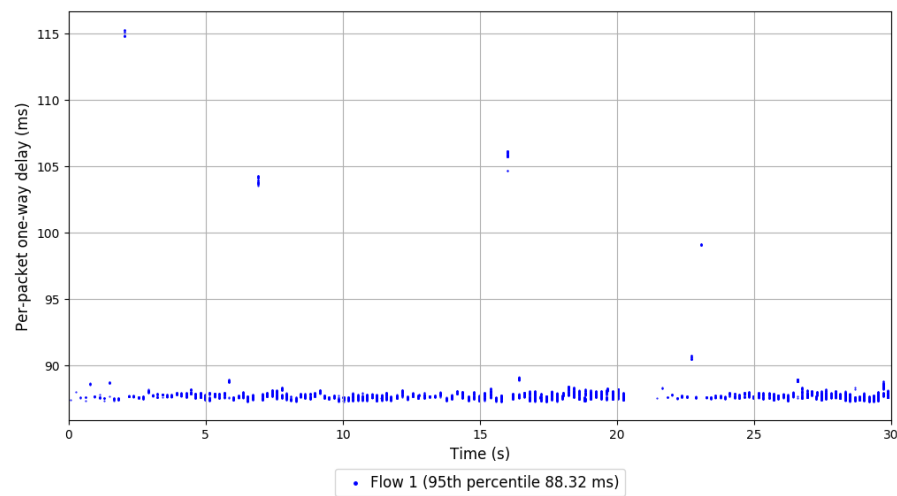
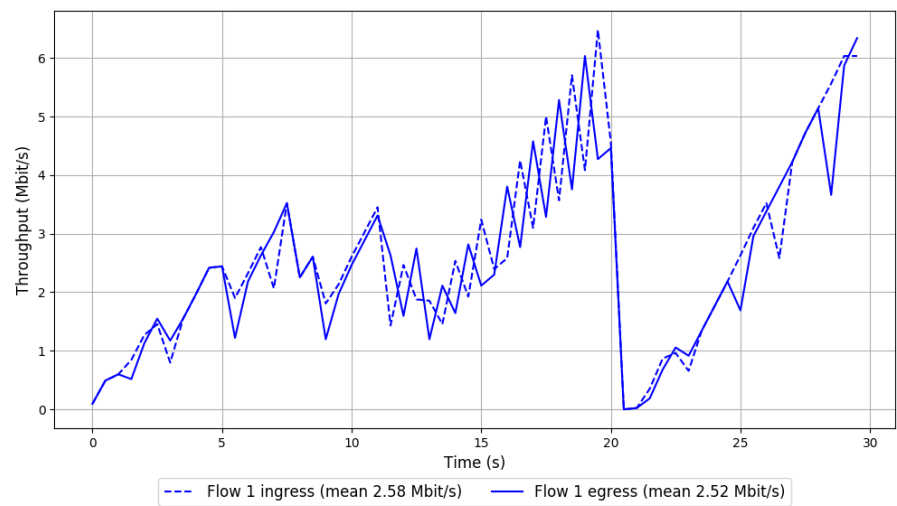
-- Flow 1:

Average throughput: 2.52 Mbit/s

95th percentile per-packet one-way delay: 88.324 ms

Loss rate: 2.63%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-01-30 14:41:32

End at: 2018-01-30 14:42:02

Below is generated by plot.py at 2018-01-30 16:54:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.40 Mbit/s

95th percentile per-packet one-way delay: 88.517 ms

Loss rate: 0.00%

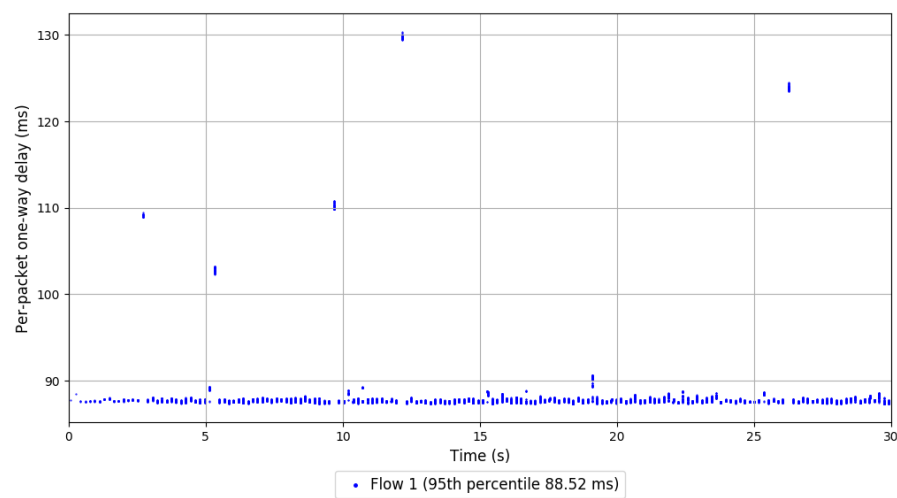
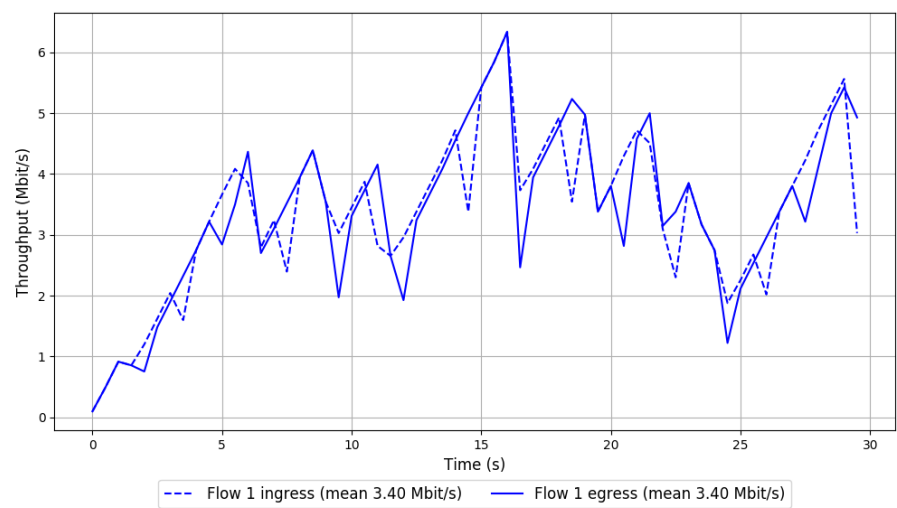
-- Flow 1:

Average throughput: 3.40 Mbit/s

95th percentile per-packet one-way delay: 88.517 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

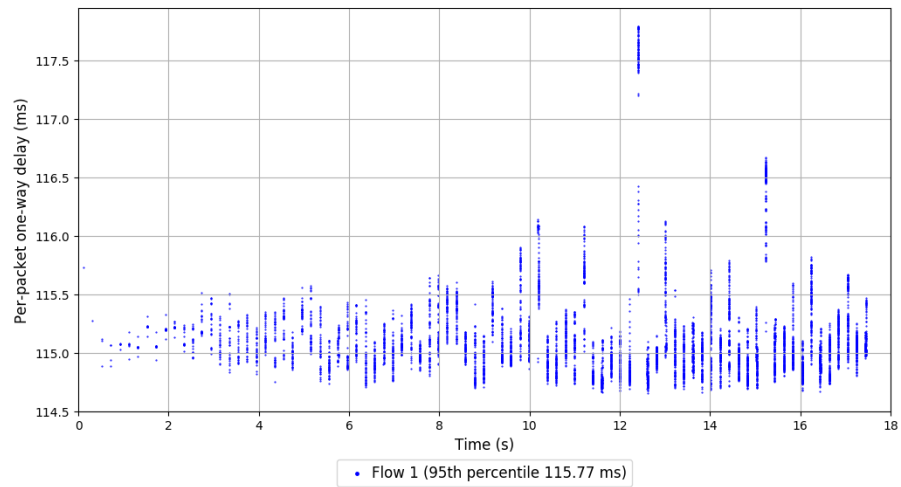
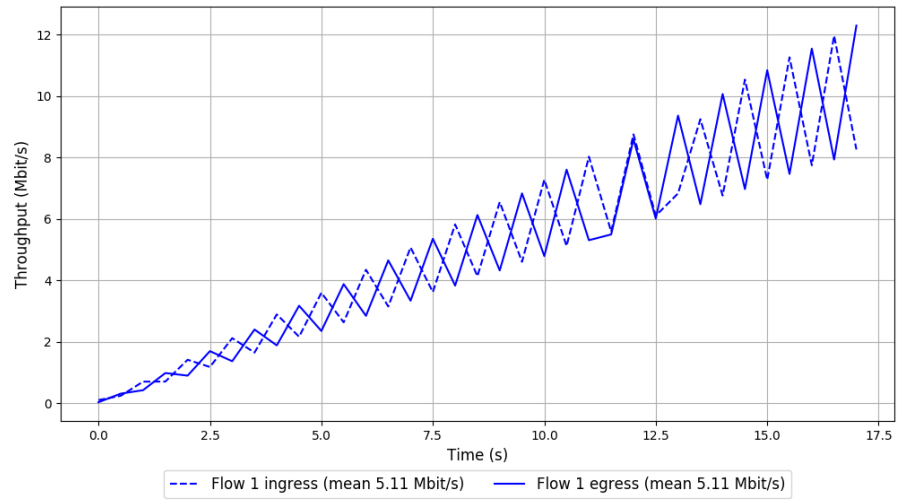


Run 7: Statistics of LEDBAT

Start at: 2018-01-30 14:55:54

End at: 2018-01-30 14:56:24

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-01-30 15:10:30

End at: 2018-01-30 15:11:01

Below is generated by plot.py at 2018-01-30 16:54:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.19 Mbit/s

95th percentile per-packet one-way delay: 88.574 ms

Loss rate: 1.26%

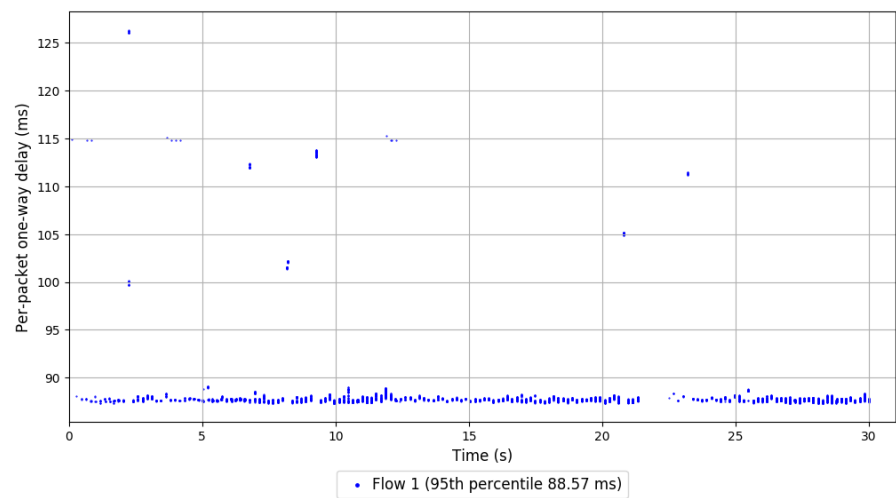
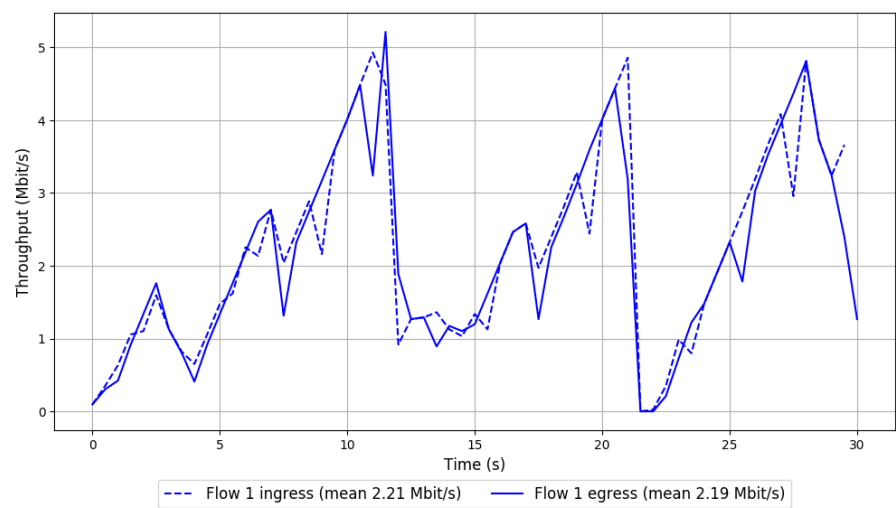
-- Flow 1:

Average throughput: 2.19 Mbit/s

95th percentile per-packet one-way delay: 88.574 ms

Loss rate: 1.26%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-01-30 15:25:07

End at: 2018-01-30 15:25:37

Below is generated by plot.py at 2018-01-30 16:54:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.84 Mbit/s

95th percentile per-packet one-way delay: 88.154 ms

Loss rate: 0.01%

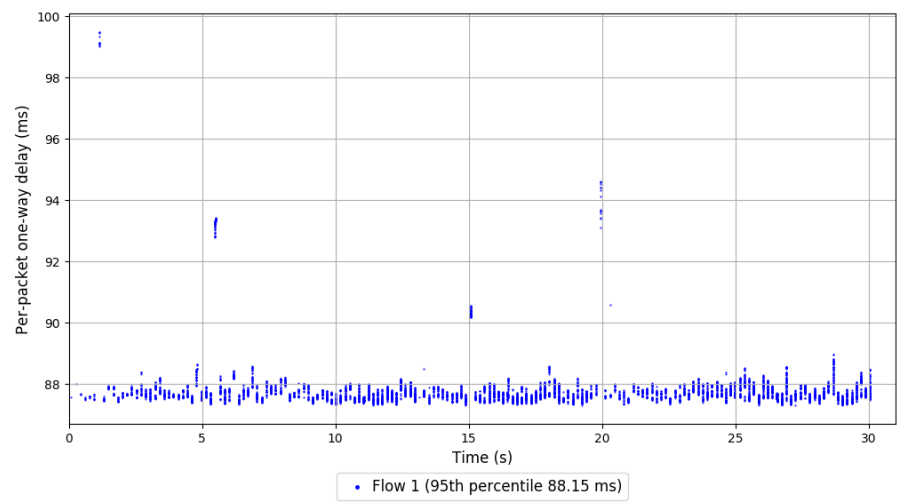
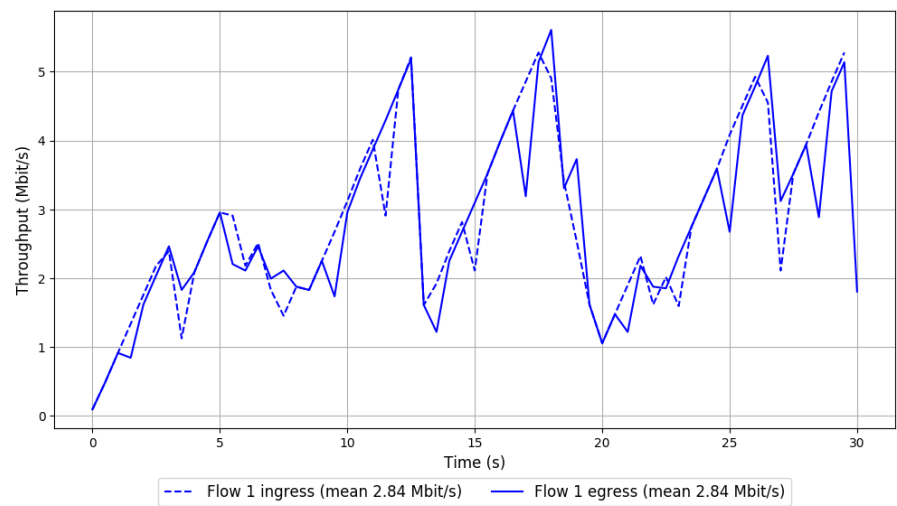
-- Flow 1:

Average throughput: 2.84 Mbit/s

95th percentile per-packet one-way delay: 88.154 ms

Loss rate: 0.01%

Run 9: Report of LEDBAT — Data Link

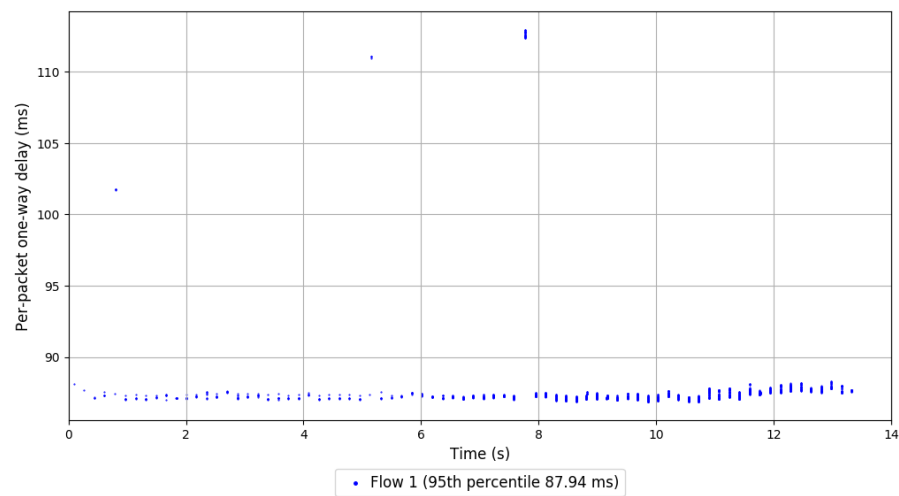
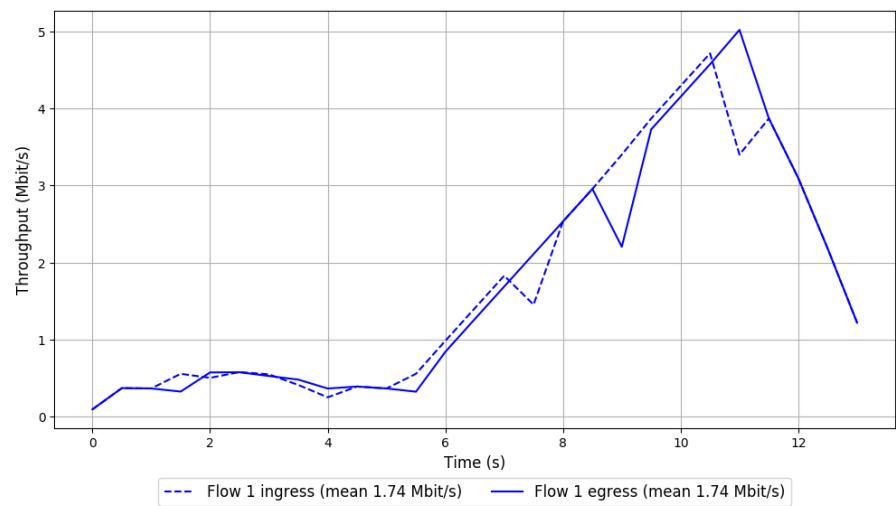


Run 10: Statistics of LEDBAT

Start at: 2018-01-30 15:39:25

End at: 2018-01-30 15:39:55

Run 10: Report of LEDBAT — Data Link

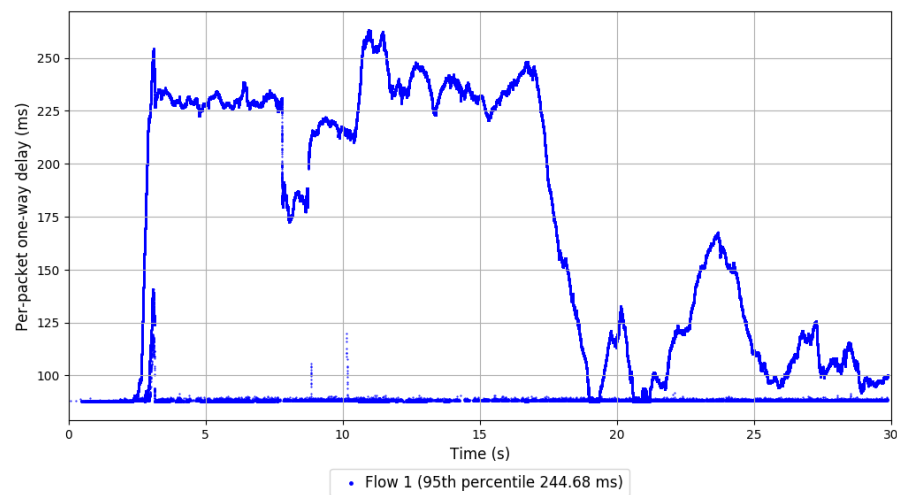
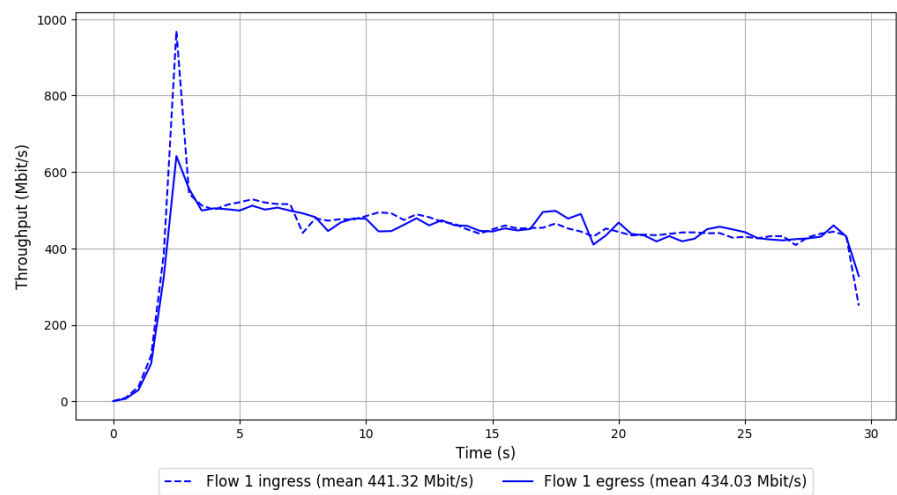


```
Run 1: Statistics of PCC

Start at: 2018-01-30 13:27:00
End at: 2018-01-30 13:27:30

# Below is generated by plot.py at 2018-01-30 17:01:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 434.03 Mbit/s
95th percentile per-packet one-way delay: 244.684 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 434.03 Mbit/s
95th percentile per-packet one-way delay: 244.684 ms
Loss rate: 1.65%
```

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-01-30 13:41:31

End at: 2018-01-30 13:42:01

Below is generated by plot.py at 2018-01-30 17:01:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 293.80 Mbit/s

95th percentile per-packet one-way delay: 96.262 ms

Loss rate: 0.19%

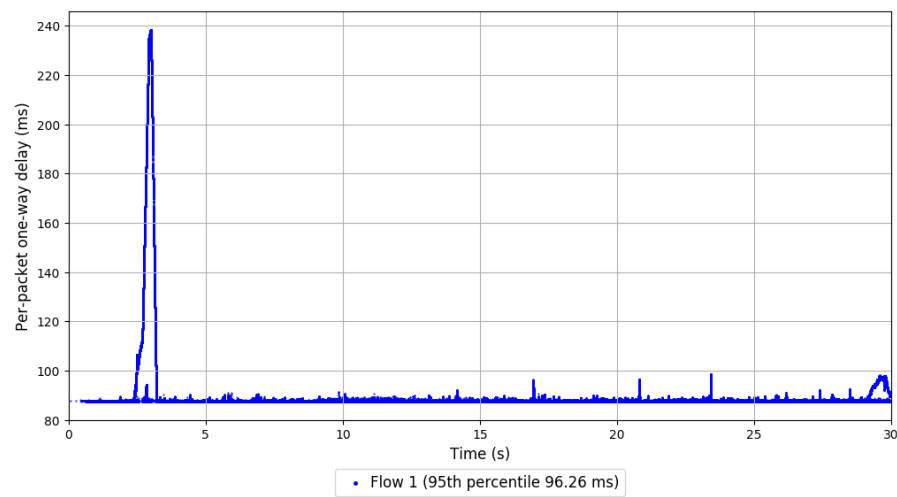
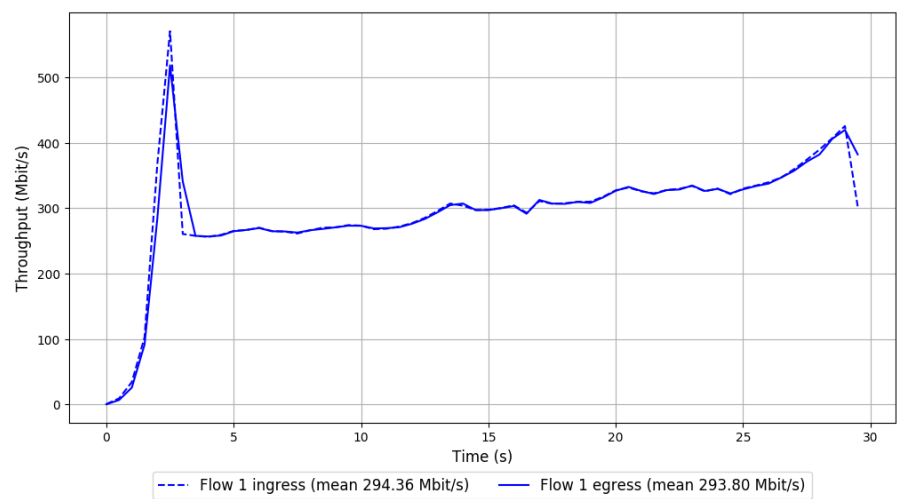
-- Flow 1:

Average throughput: 293.80 Mbit/s

95th percentile per-packet one-way delay: 96.262 ms

Loss rate: 0.19%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-01-30 13:56:12

End at: 2018-01-30 13:56:42

Below is generated by plot.py at 2018-01-30 17:01:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 435.26 Mbit/s

95th percentile per-packet one-way delay: 245.195 ms

Loss rate: 1.24%

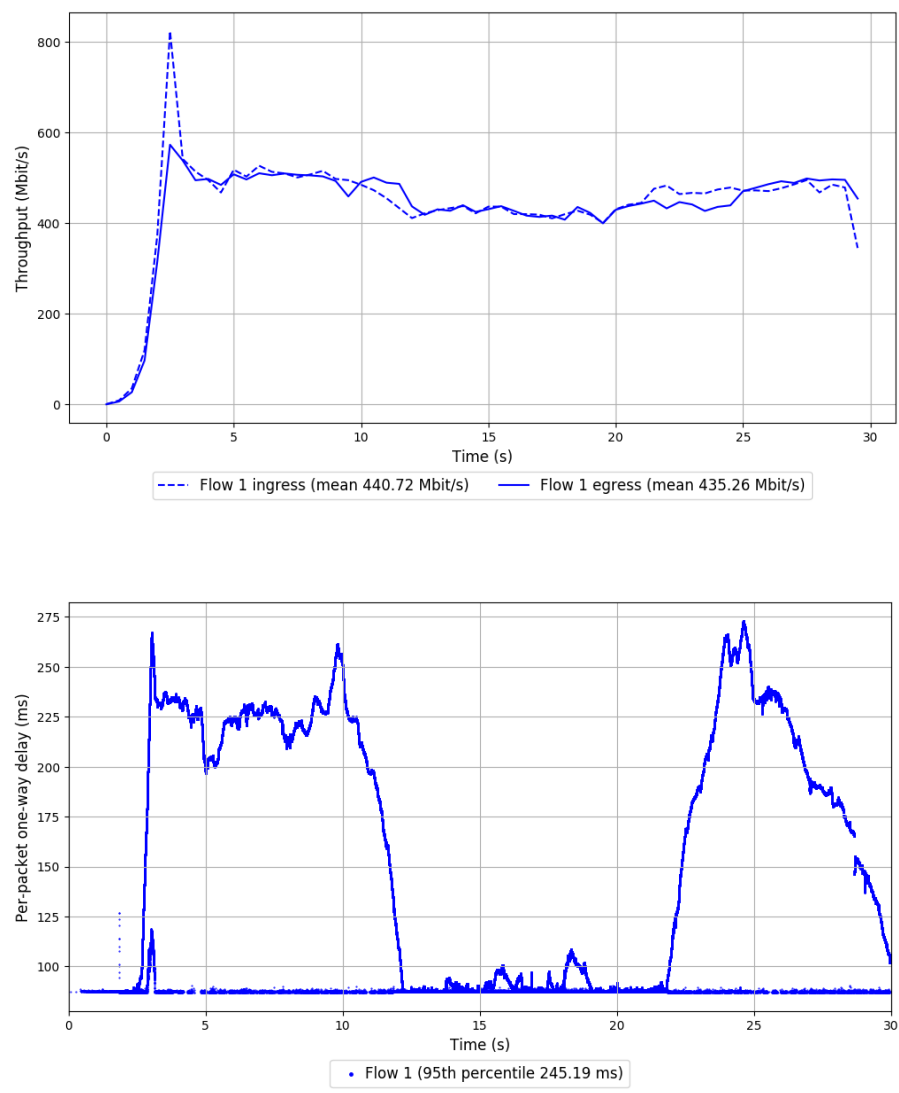
-- Flow 1:

Average throughput: 435.26 Mbit/s

95th percentile per-packet one-way delay: 245.195 ms

Loss rate: 1.24%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-01-30 14:10:32

End at: 2018-01-30 14:11:02

Below is generated by plot.py at 2018-01-30 17:01:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 350.93 Mbit/s

95th percentile per-packet one-way delay: 93.160 ms

Loss rate: 0.18%

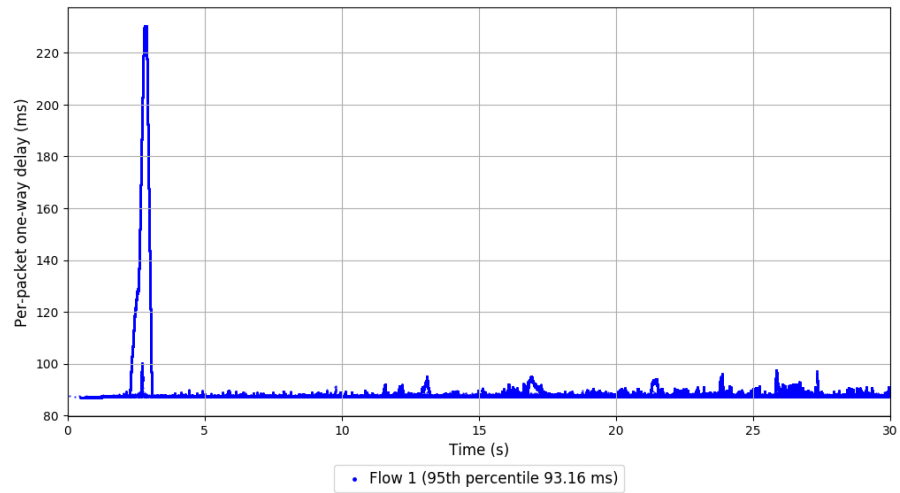
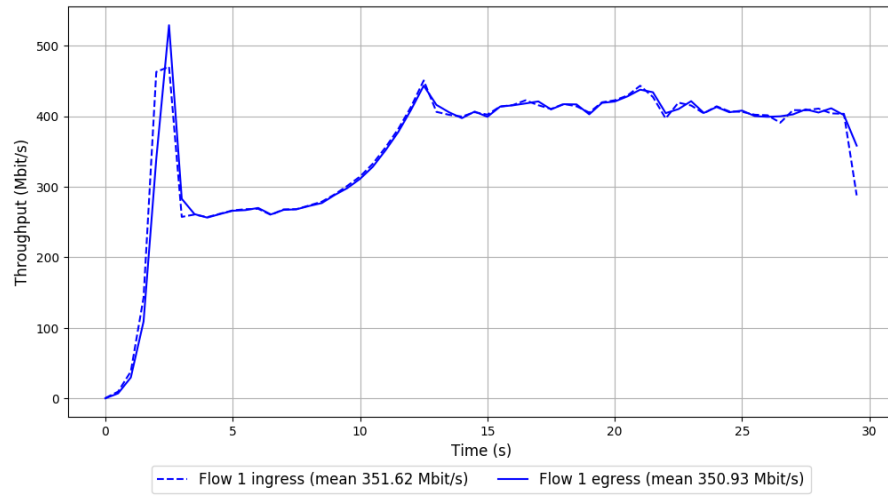
-- Flow 1:

Average throughput: 350.93 Mbit/s

95th percentile per-packet one-way delay: 93.160 ms

Loss rate: 0.18%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-01-30 14:25:05

End at: 2018-01-30 14:25:35

Below is generated by plot.py at 2018-01-30 17:01:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 402.68 Mbit/s

95th percentile per-packet one-way delay: 249.383 ms

Loss rate: 1.43%

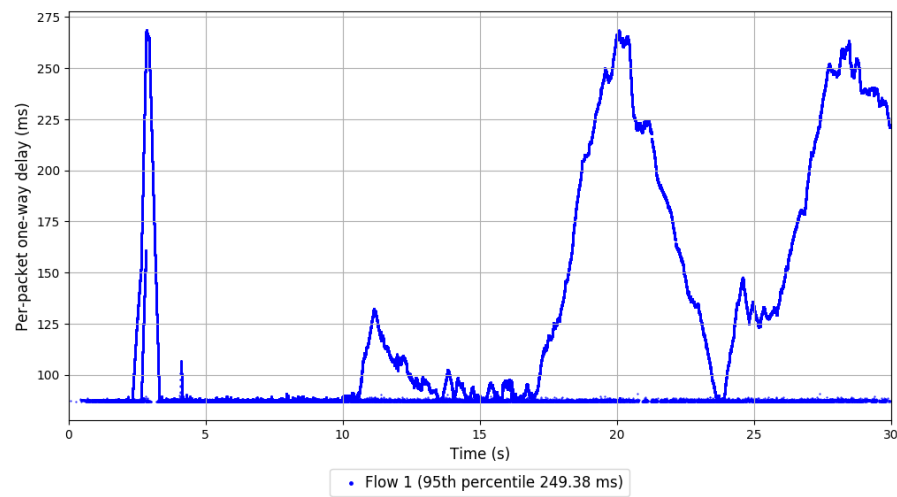
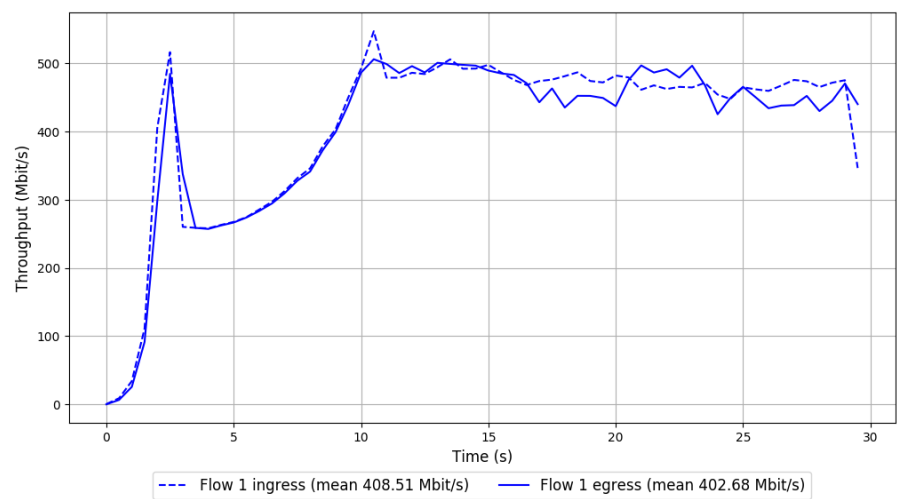
-- Flow 1:

Average throughput: 402.68 Mbit/s

95th percentile per-packet one-way delay: 249.383 ms

Loss rate: 1.43%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-01-30 14:39:43

End at: 2018-01-30 14:40:13

Below is generated by plot.py at 2018-01-30 17:01:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 387.84 Mbit/s

95th percentile per-packet one-way delay: 146.312 ms

Loss rate: 0.18%

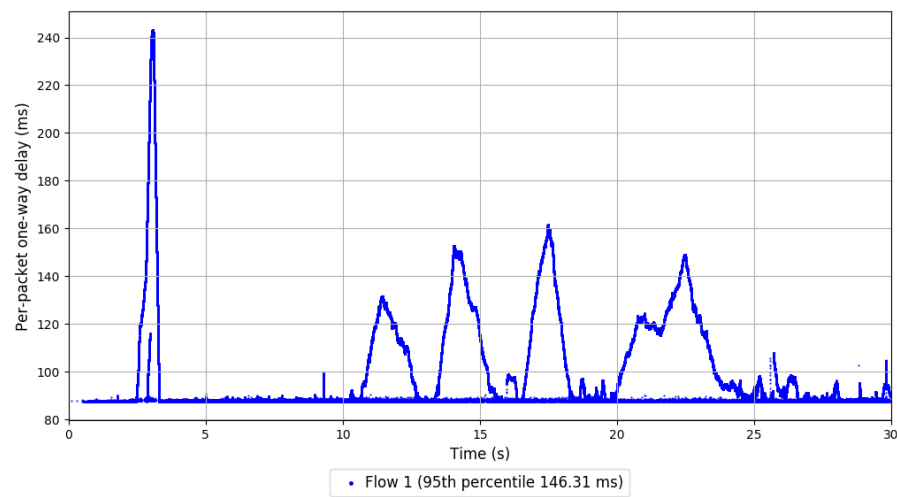
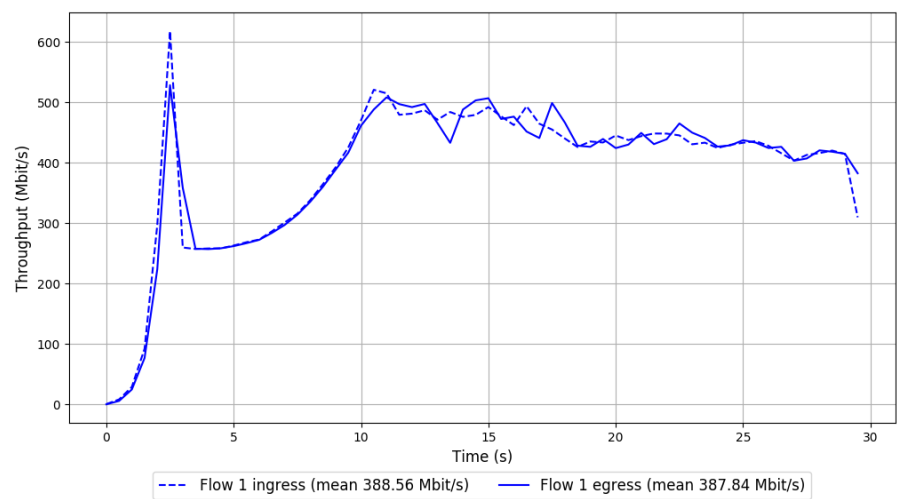
-- Flow 1:

Average throughput: 387.84 Mbit/s

95th percentile per-packet one-way delay: 146.312 ms

Loss rate: 0.18%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-01-30 14:54:07

End at: 2018-01-30 14:54:37

Below is generated by plot.py at 2018-01-30 17:01:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 366.07 Mbit/s

95th percentile per-packet one-way delay: 266.238 ms

Loss rate: 2.23%

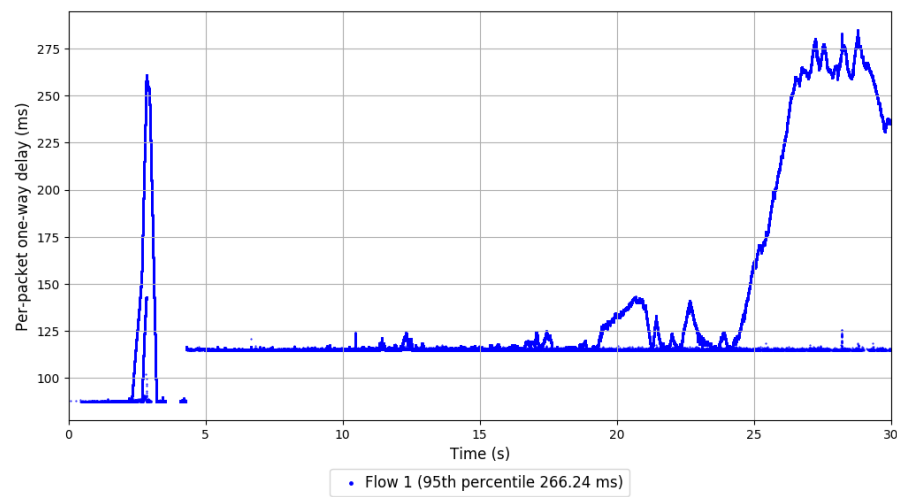
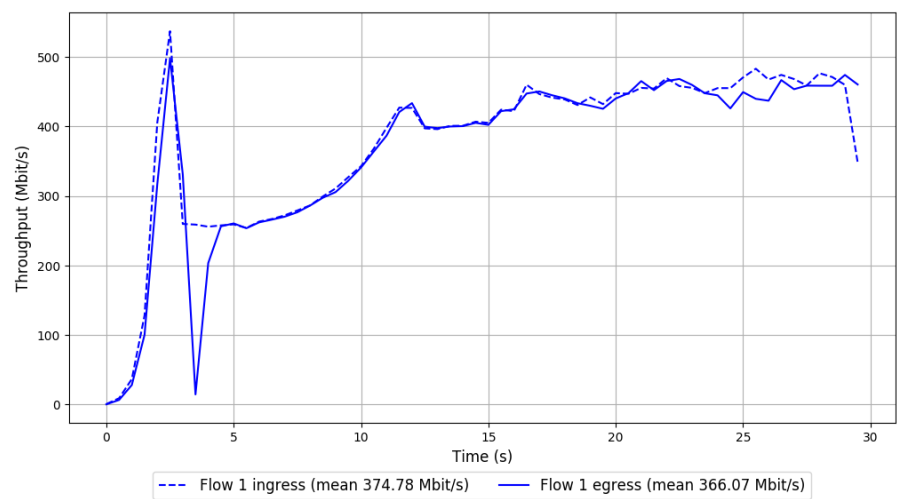
-- Flow 1:

Average throughput: 366.07 Mbit/s

95th percentile per-packet one-way delay: 266.238 ms

Loss rate: 2.23%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-01-30 15:08:43

End at: 2018-01-30 15:09:13

Below is generated by plot.py at 2018-01-30 17:01:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 345.39 Mbit/s

95th percentile per-packet one-way delay: 116.629 ms

Loss rate: 0.07%

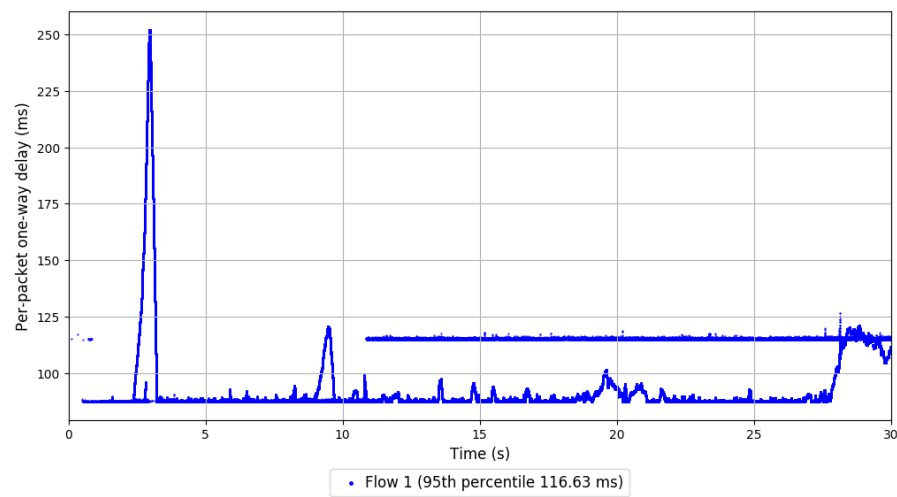
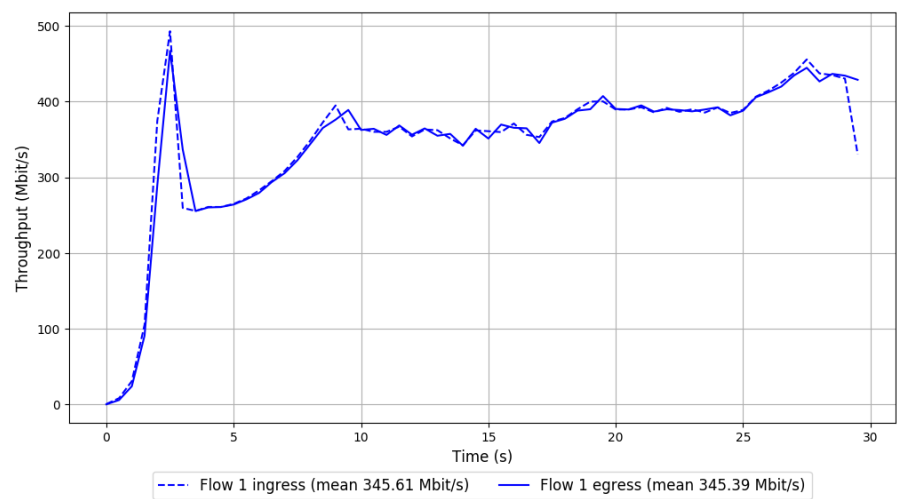
-- Flow 1:

Average throughput: 345.39 Mbit/s

95th percentile per-packet one-way delay: 116.629 ms

Loss rate: 0.07%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-01-30 15:23:21

End at: 2018-01-30 15:23:51

Below is generated by plot.py at 2018-01-30 17:05:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 342.74 Mbit/s

95th percentile per-packet one-way delay: 262.230 ms

Loss rate: 0.81%

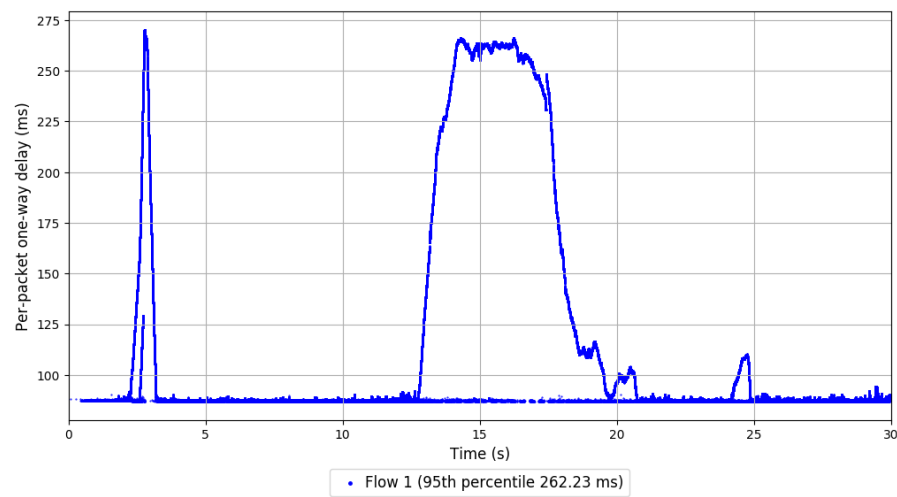
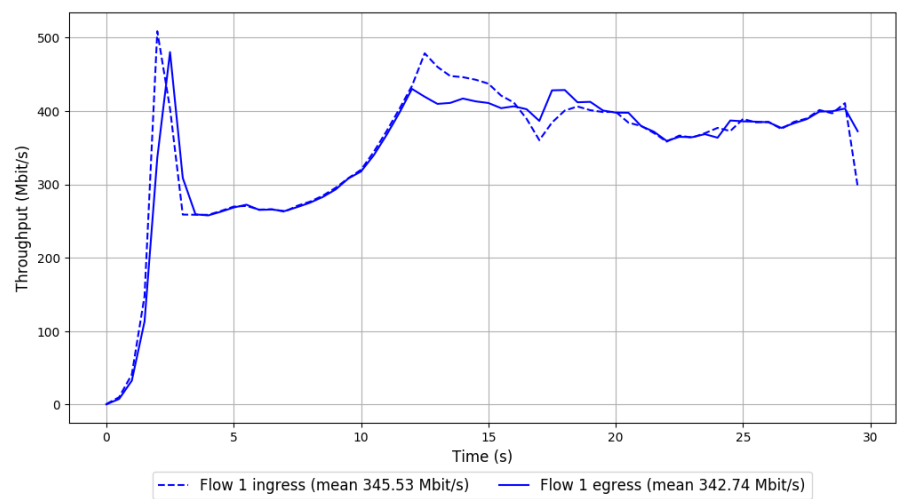
-- Flow 1:

Average throughput: 342.74 Mbit/s

95th percentile per-packet one-way delay: 262.230 ms

Loss rate: 0.81%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-01-30 15:37:39

End at: 2018-01-30 15:38:09

Below is generated by plot.py at 2018-01-30 17:06:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 361.65 Mbit/s

95th percentile per-packet one-way delay: 129.216 ms

Loss rate: 0.16%

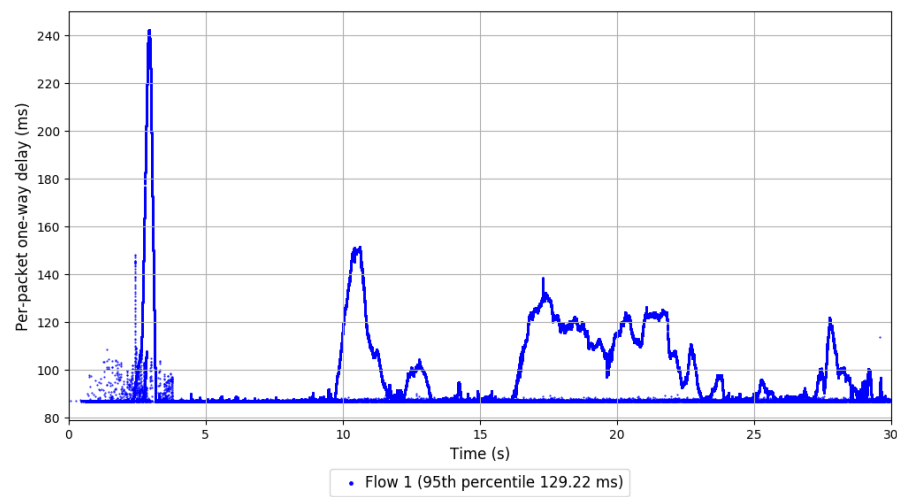
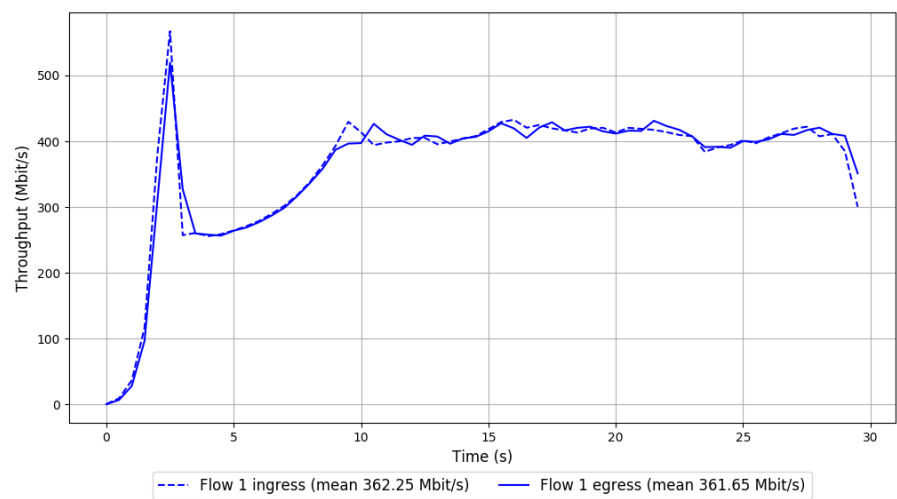
-- Flow 1:

Average throughput: 361.65 Mbit/s

95th percentile per-packet one-way delay: 129.216 ms

Loss rate: 0.16%

Run 10: Report of PCC — Data Link

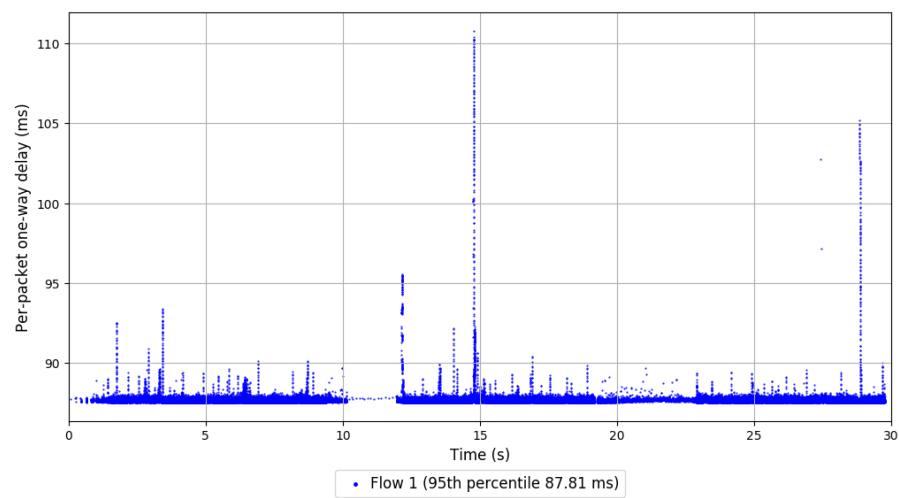
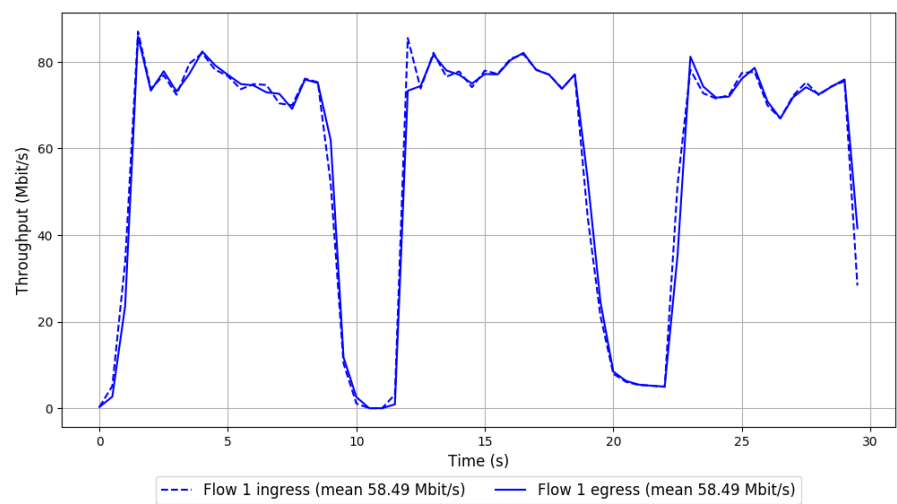


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-01-30 13:36:40
End at: 2018-01-30 13:37:10

# Below is generated by plot.py at 2018-01-30 17:06:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.49 Mbit/s
95th percentile per-packet one-way delay: 87.811 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.49 Mbit/s
95th percentile per-packet one-way delay: 87.811 ms
Loss rate: 0.00%
```


Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-01-30 13:51:21

End at: 2018-01-30 13:51:51

Below is generated by plot.py at 2018-01-30 17:06:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.42 Mbit/s

95th percentile per-packet one-way delay: 87.622 ms

Loss rate: 0.00%

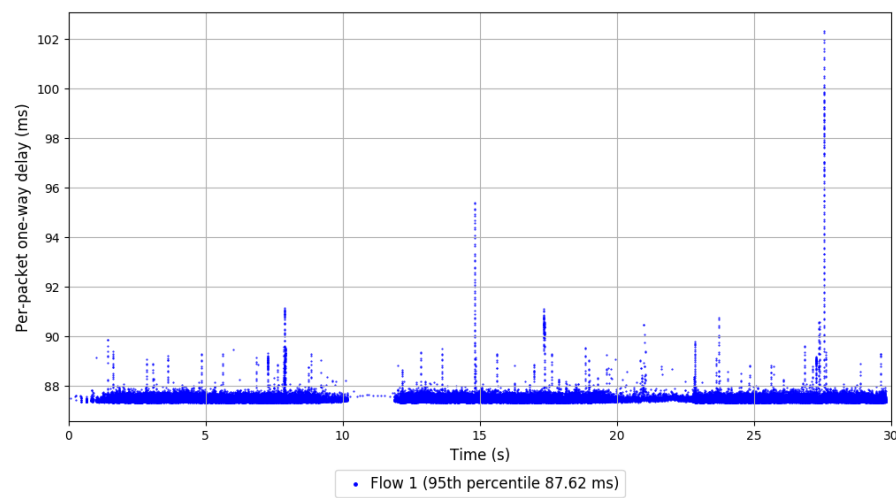
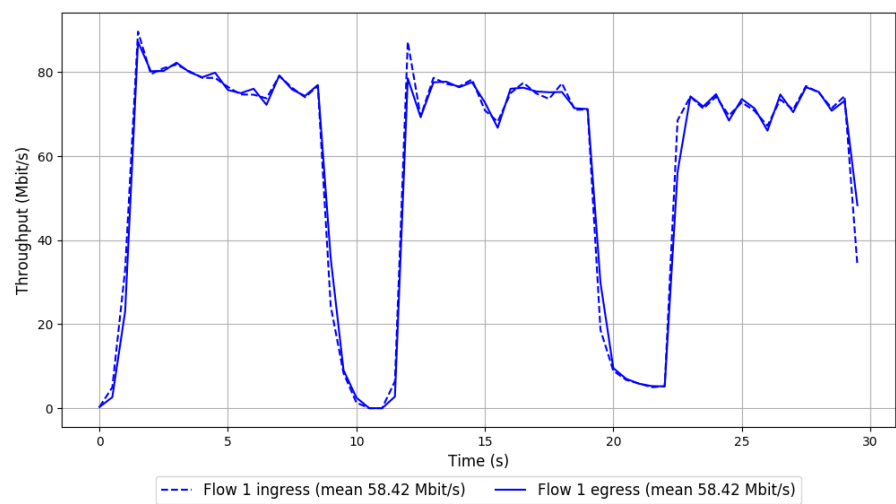
-- Flow 1:

Average throughput: 58.42 Mbit/s

95th percentile per-packet one-way delay: 87.622 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-01-30 14:06:04

End at: 2018-01-30 14:06:34

Below is generated by plot.py at 2018-01-30 17:06:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.04 Mbit/s

95th percentile per-packet one-way delay: 115.121 ms

Loss rate: 0.12%

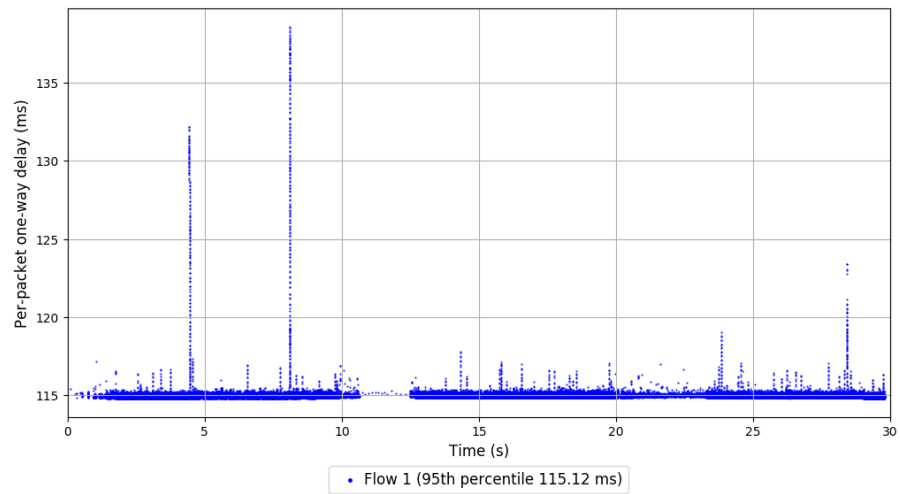
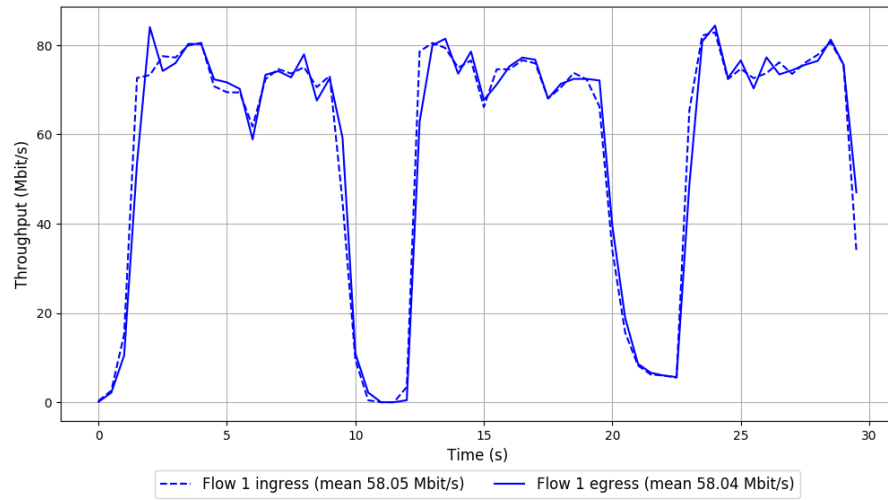
-- Flow 1:

Average throughput: 58.04 Mbit/s

95th percentile per-packet one-way delay: 115.121 ms

Loss rate: 0.12%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-01-30 14:20:25

End at: 2018-01-30 14:20:55

Below is generated by plot.py at 2018-01-30 17:06:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.47 Mbit/s

95th percentile per-packet one-way delay: 87.035 ms

Loss rate: 0.01%

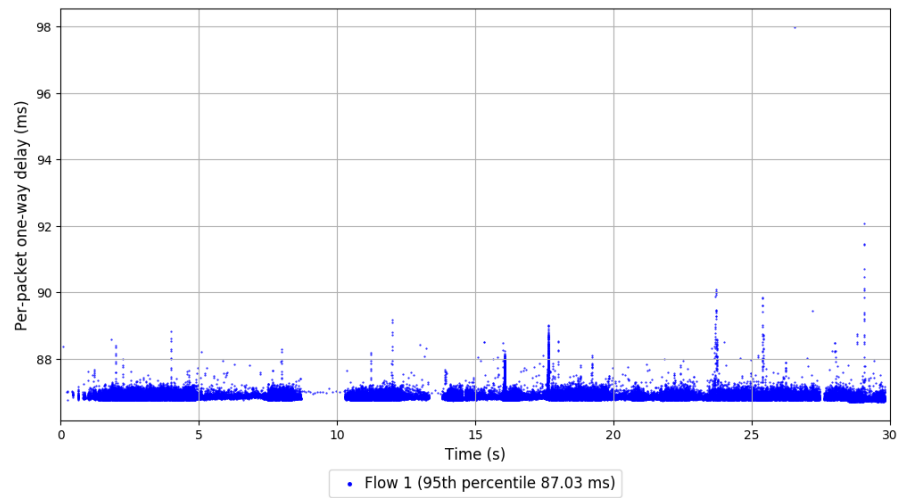
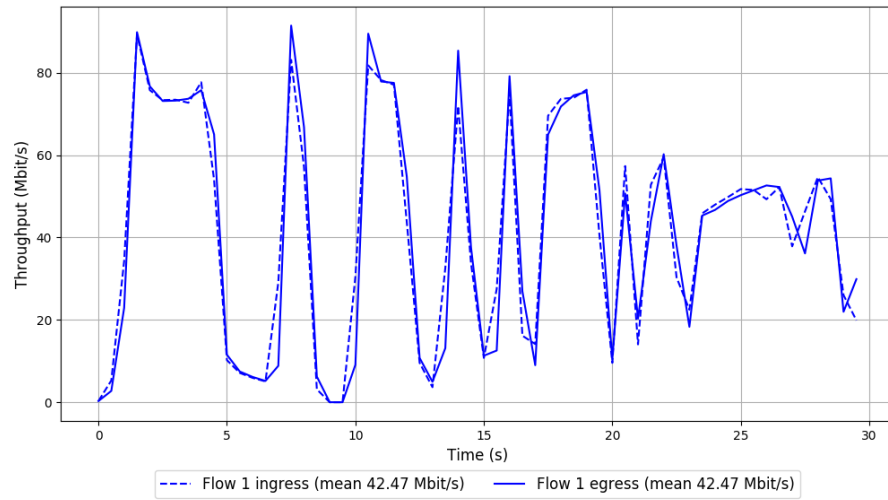
-- Flow 1:

Average throughput: 42.47 Mbit/s

95th percentile per-packet one-way delay: 87.035 ms

Loss rate: 0.01%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-01-30 14:34:51

End at: 2018-01-30 14:35:21

Below is generated by plot.py at 2018-01-30 17:06:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.59 Mbit/s

95th percentile per-packet one-way delay: 87.576 ms

Loss rate: 0.00%

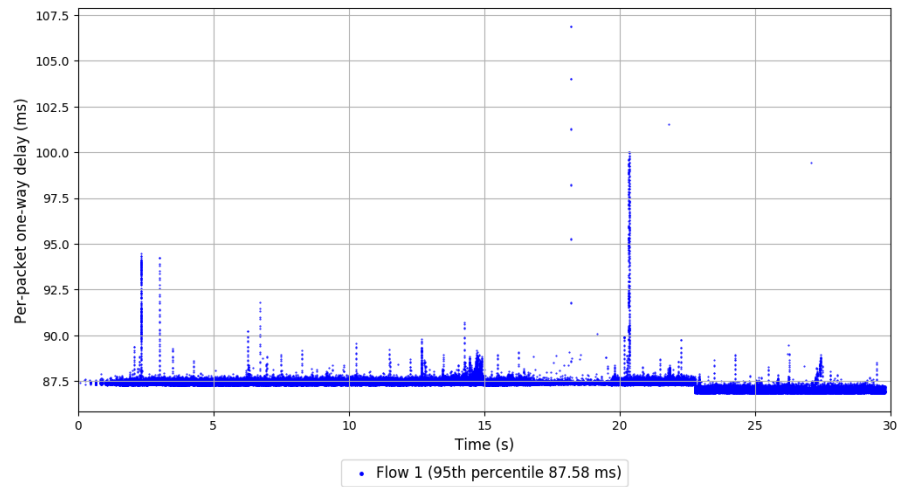
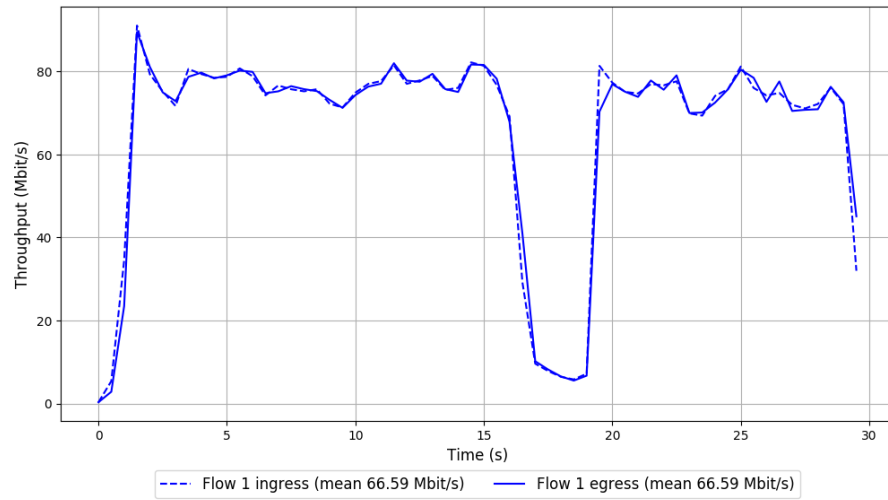
-- Flow 1:

Average throughput: 66.59 Mbit/s

95th percentile per-packet one-way delay: 87.576 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-01-30 14:49:22

End at: 2018-01-30 14:49:52

Below is generated by plot.py at 2018-01-30 17:06:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.54 Mbit/s

95th percentile per-packet one-way delay: 87.433 ms

Loss rate: 0.00%

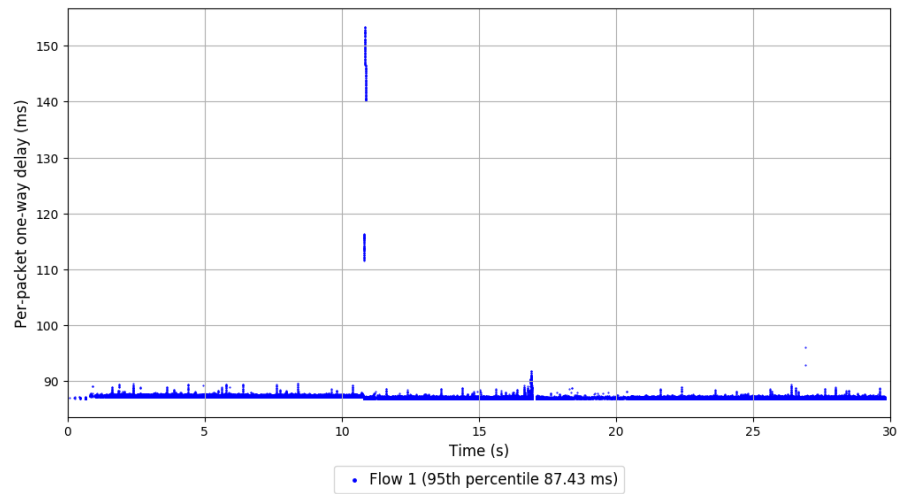
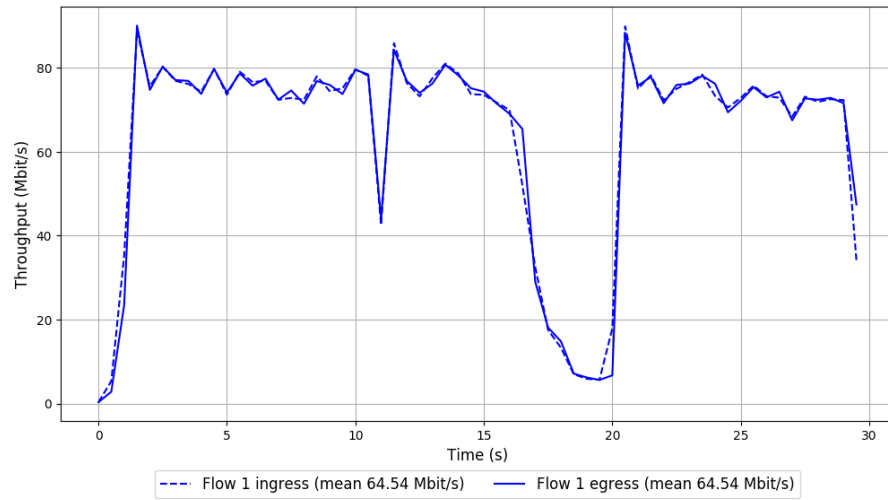
-- Flow 1:

Average throughput: 64.54 Mbit/s

95th percentile per-packet one-way delay: 87.433 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-01-30 15:03:54

End at: 2018-01-30 15:04:24

Below is generated by plot.py at 2018-01-30 17:06:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.66 Mbit/s

95th percentile per-packet one-way delay: 115.131 ms

Loss rate: 0.00%

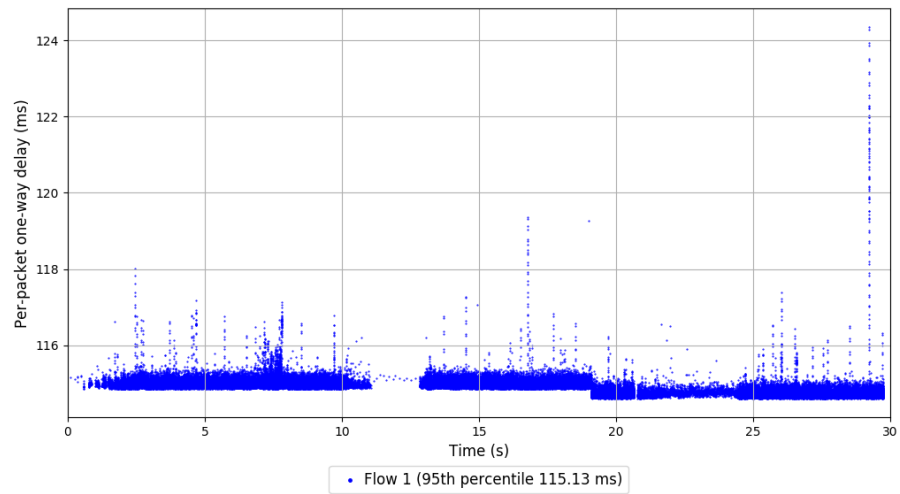
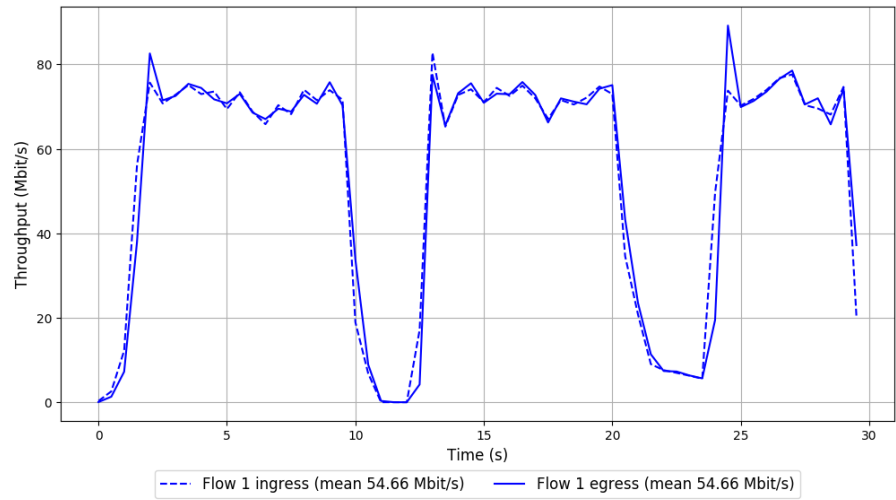
-- Flow 1:

Average throughput: 54.66 Mbit/s

95th percentile per-packet one-way delay: 115.131 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-01-30 15:18:33

End at: 2018-01-30 15:19:03

Below is generated by plot.py at 2018-01-30 17:06:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.08 Mbit/s

95th percentile per-packet one-way delay: 87.854 ms

Loss rate: 0.00%

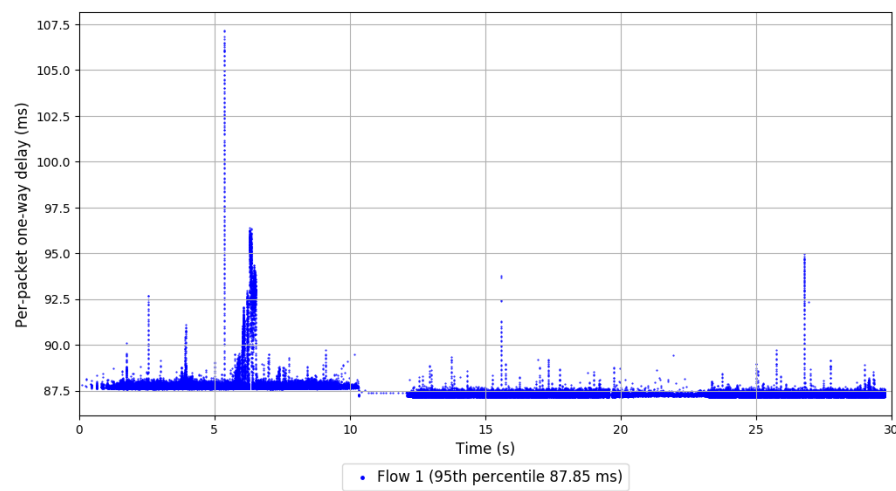
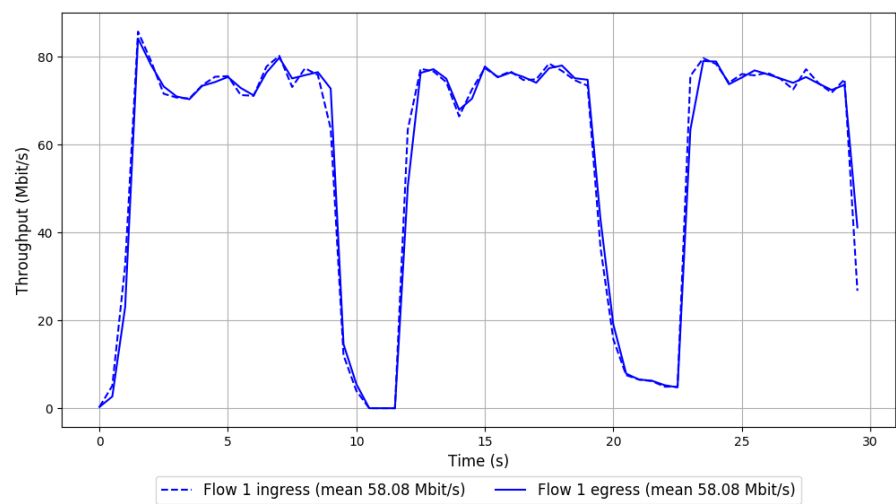
-- Flow 1:

Average throughput: 58.08 Mbit/s

95th percentile per-packet one-way delay: 87.854 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-01-30 15:32:52

End at: 2018-01-30 15:33:22

Below is generated by plot.py at 2018-01-30 17:06:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.91 Mbit/s

95th percentile per-packet one-way delay: 87.115 ms

Loss rate: 0.00%

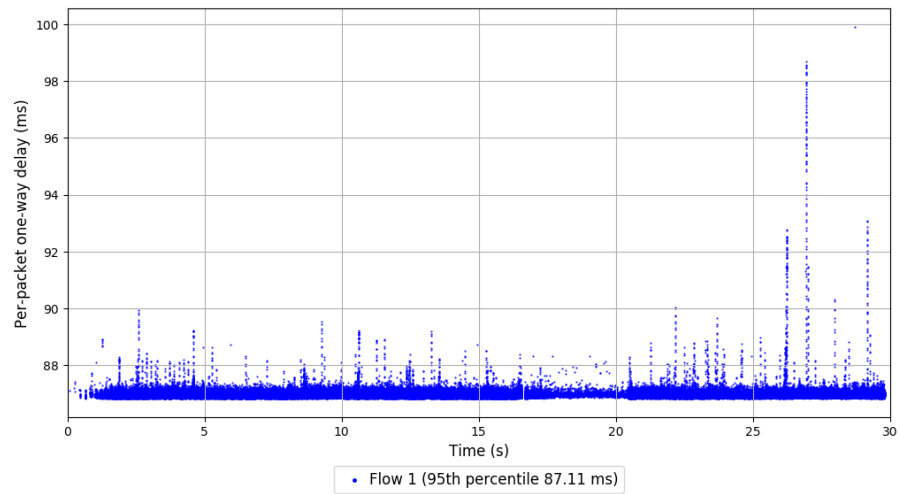
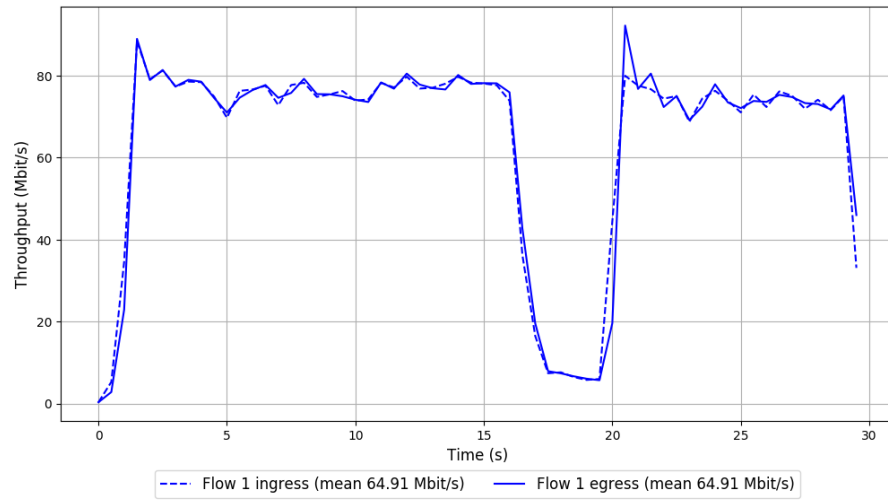
-- Flow 1:

Average throughput: 64.91 Mbit/s

95th percentile per-packet one-way delay: 87.115 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link

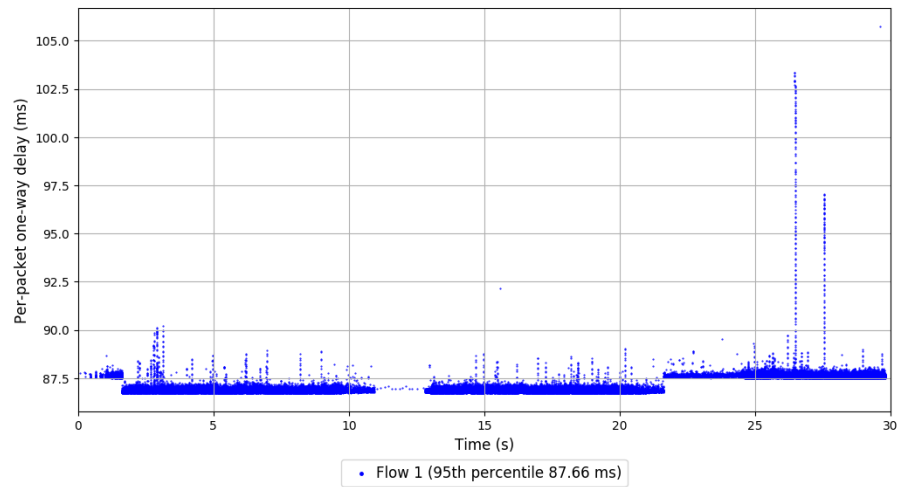
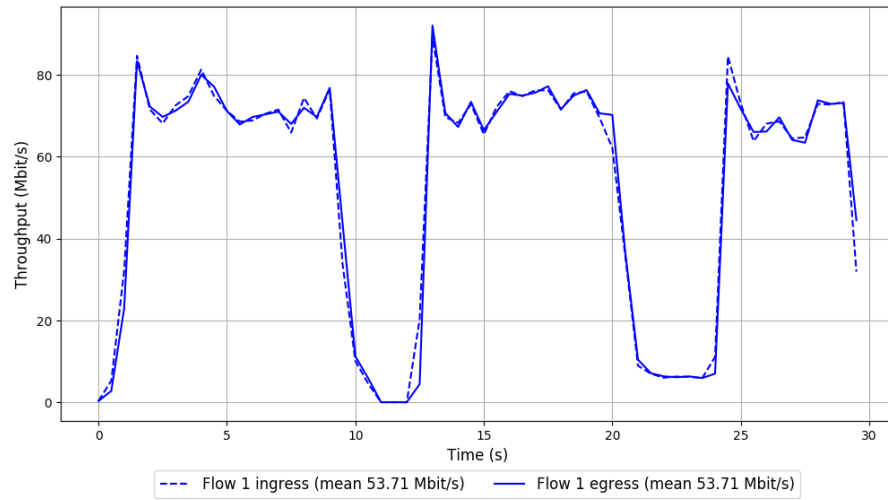


```
Run 10: Statistics of QUIC Cubic

Start at: 2018-01-30 15:47:12
End at: 2018-01-30 15:47:42

# Below is generated by plot.py at 2018-01-30 17:06:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.71 Mbit/s
95th percentile per-packet one-way delay: 87.661 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.71 Mbit/s
95th percentile per-packet one-way delay: 87.661 ms
Loss rate: 0.00%
```

Run 10: Report of QUIC Cubic — Data Link

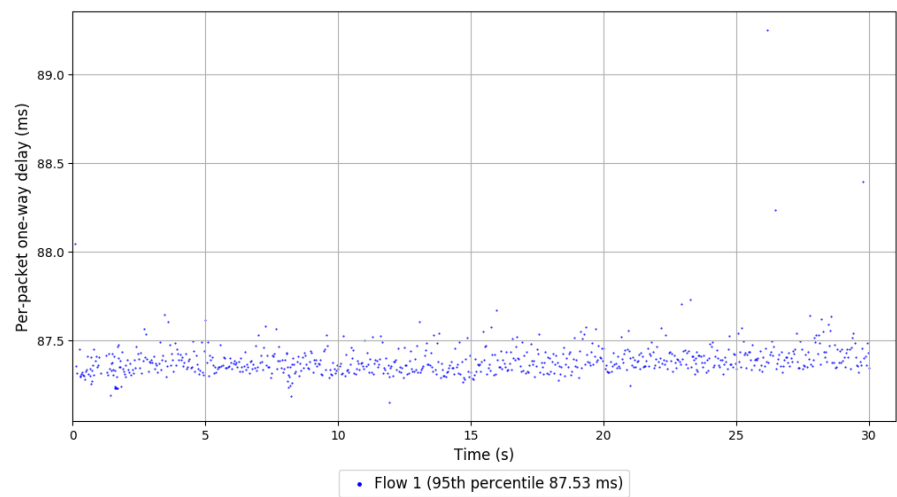
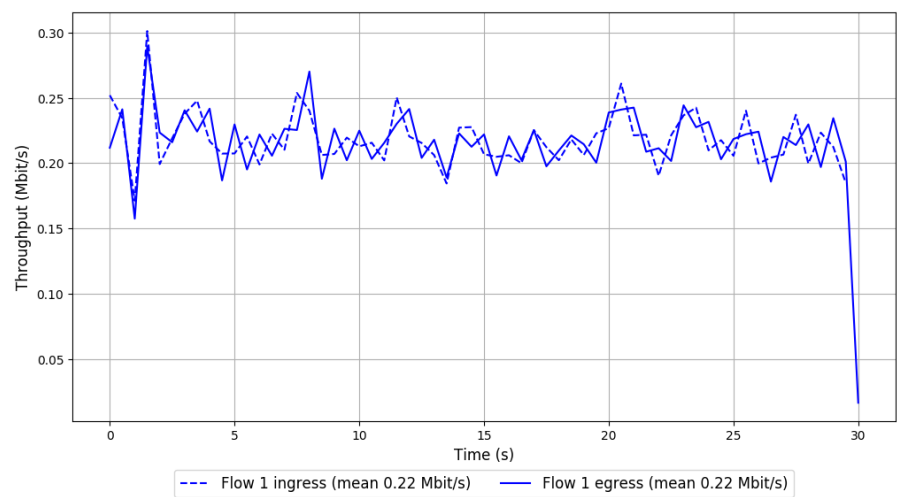


```
Run 1: Statistics of SCReAM

Start at: 2018-01-30 13:25:24
End at: 2018-01-30 13:25:54

# Below is generated by plot.py at 2018-01-30 17:06:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.530 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.530 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-01-30 13:39:51

End at: 2018-01-30 13:40:21

Below is generated by plot.py at 2018-01-30 17:06:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 115.160 ms

Loss rate: 0.00%

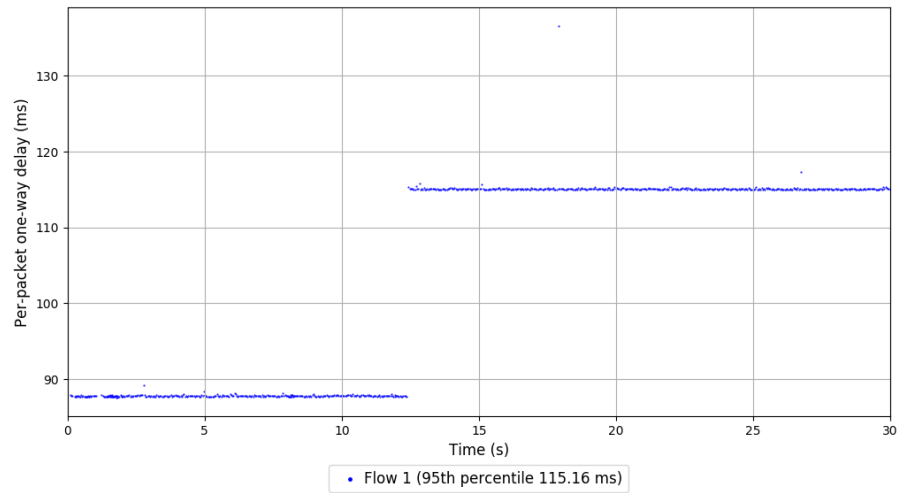
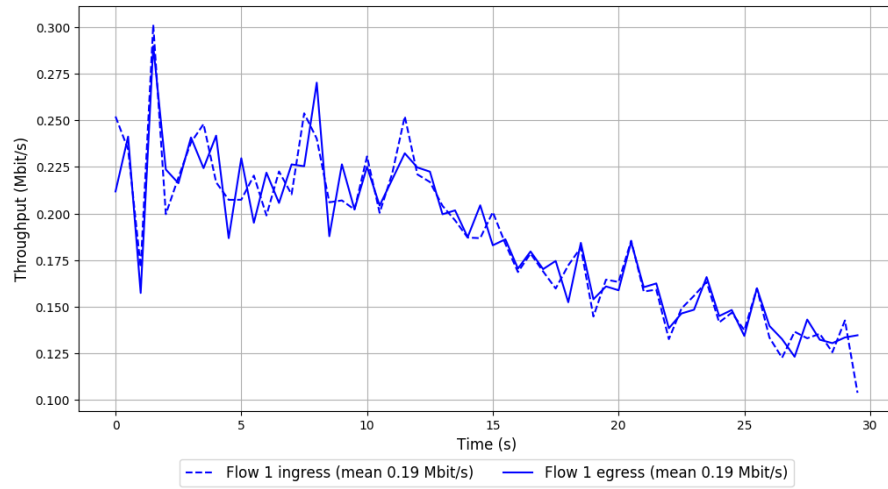
-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 115.160 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-01-30 13:54:34

End at: 2018-01-30 13:55:04

Below is generated by plot.py at 2018-01-30 17:06:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.714 ms

Loss rate: 0.00%

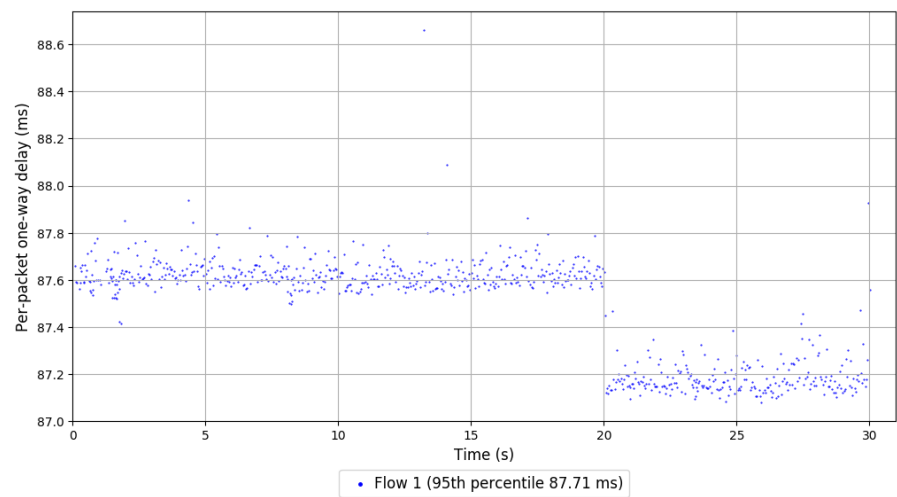
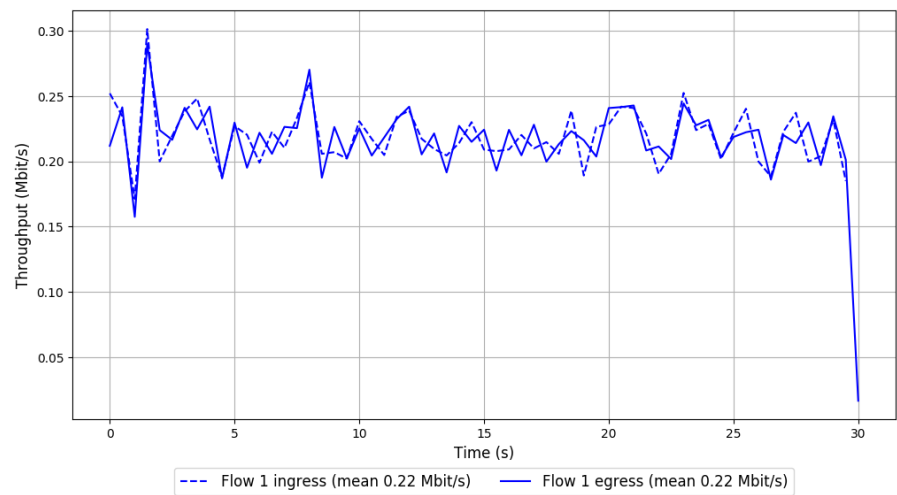
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.714 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-01-30 14:08:53

End at: 2018-01-30 14:09:23

Below is generated by plot.py at 2018-01-30 17:06:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.600 ms

Loss rate: 0.00%

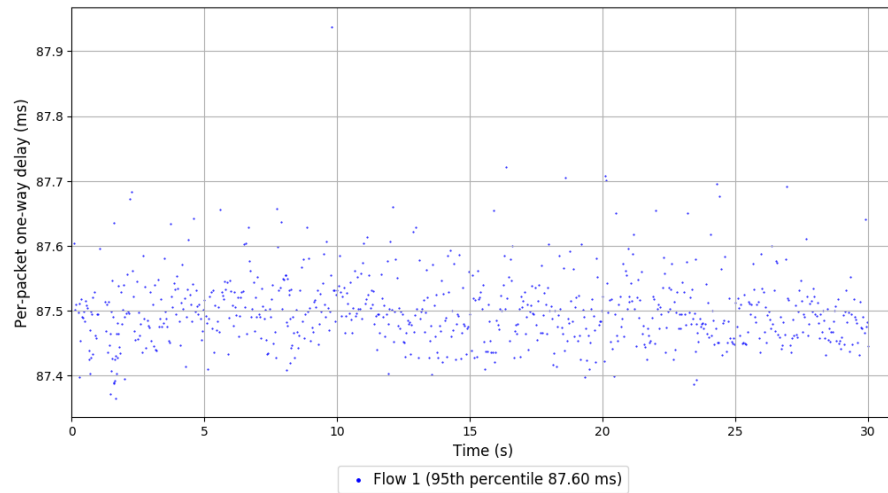
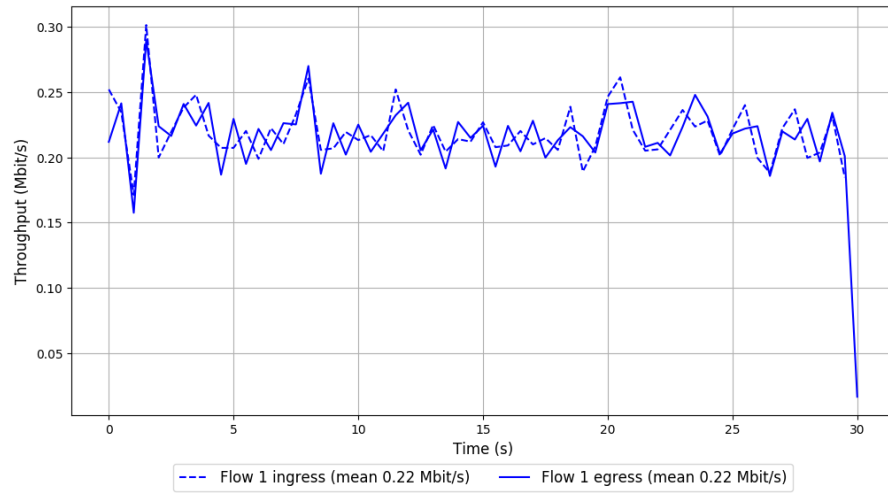
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.600 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-01-30 14:23:32

End at: 2018-01-30 14:24:02

Below is generated by plot.py at 2018-01-30 17:06:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.596 ms

Loss rate: 0.00%

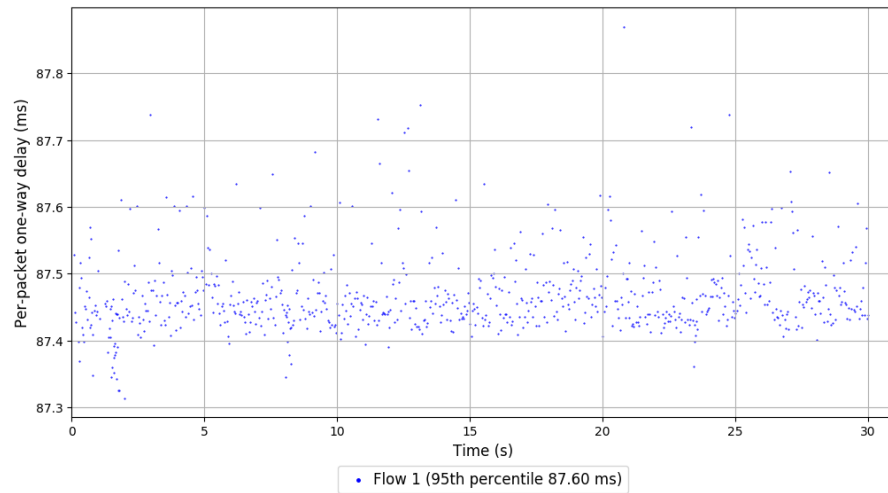
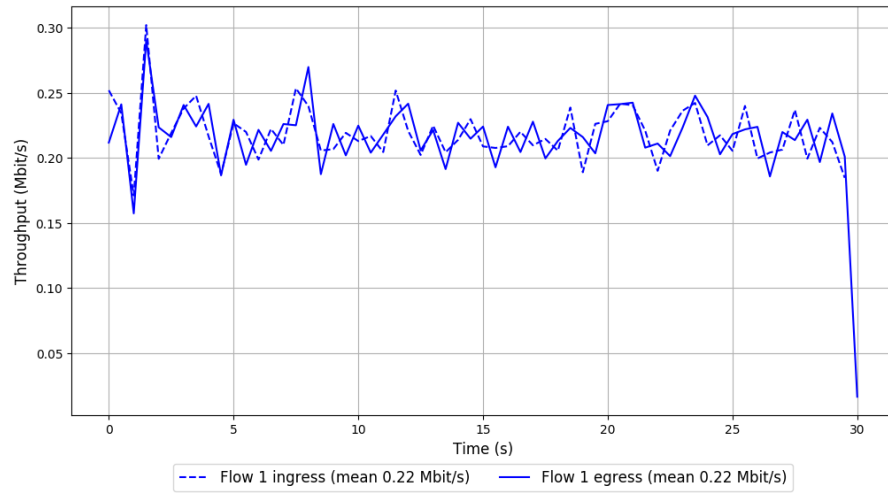
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.596 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-01-30 14:37:59

End at: 2018-01-30 14:38:29

Below is generated by plot.py at 2018-01-30 17:06:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.290 ms

Loss rate: 0.00%

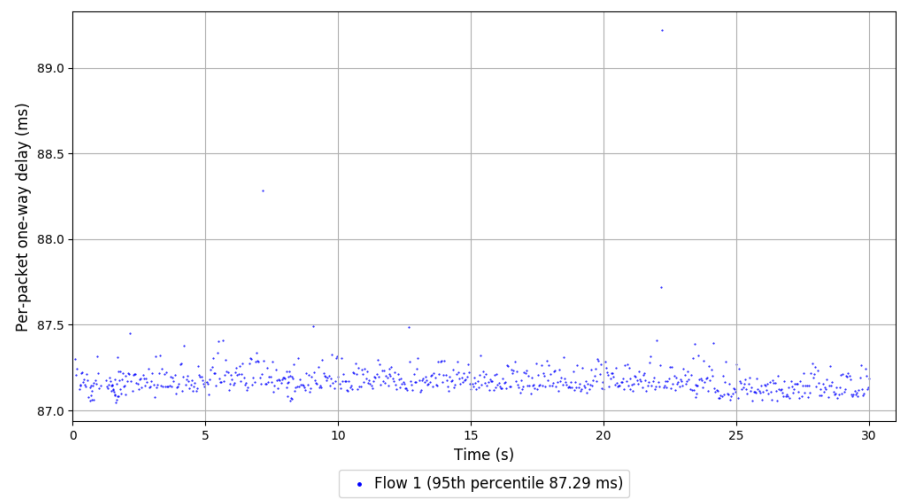
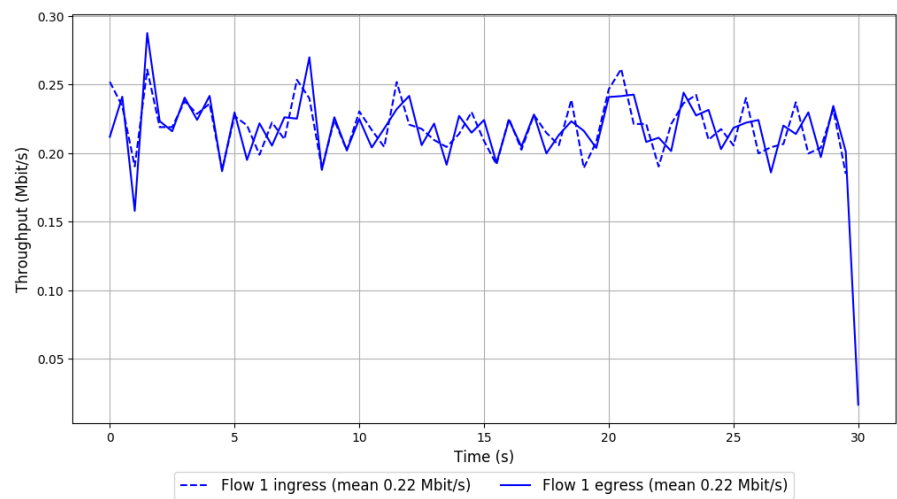
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.290 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-01-30 14:52:30

End at: 2018-01-30 14:53:00

Below is generated by plot.py at 2018-01-30 17:06:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.758 ms

Loss rate: 0.00%

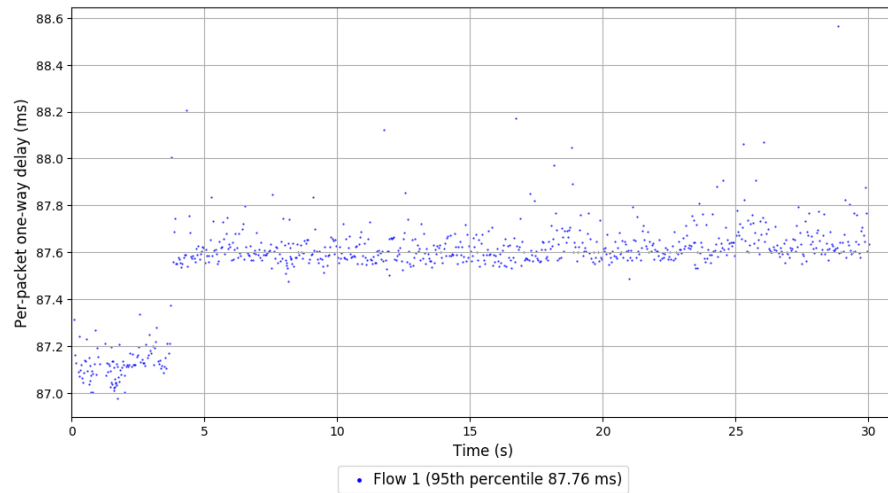
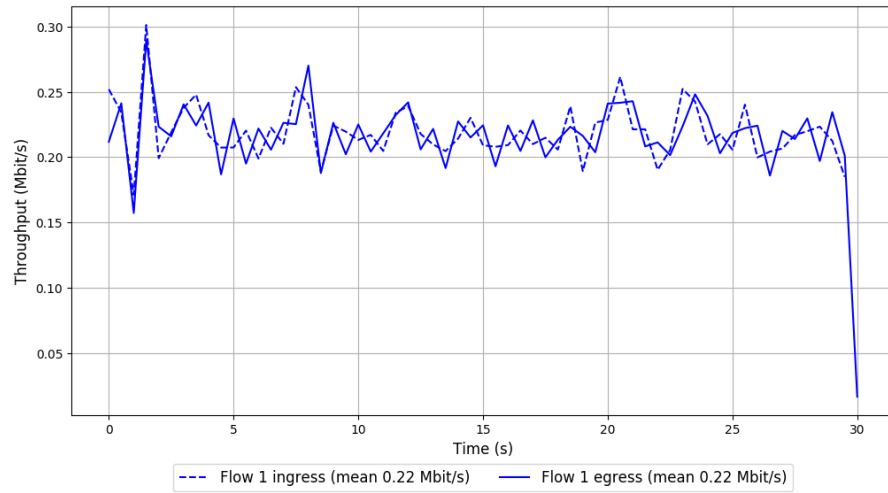
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.758 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-01-30 15:07:06

End at: 2018-01-30 15:07:36

Below is generated by plot.py at 2018-01-30 17:06:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 115.169 ms

Loss rate: 0.00%

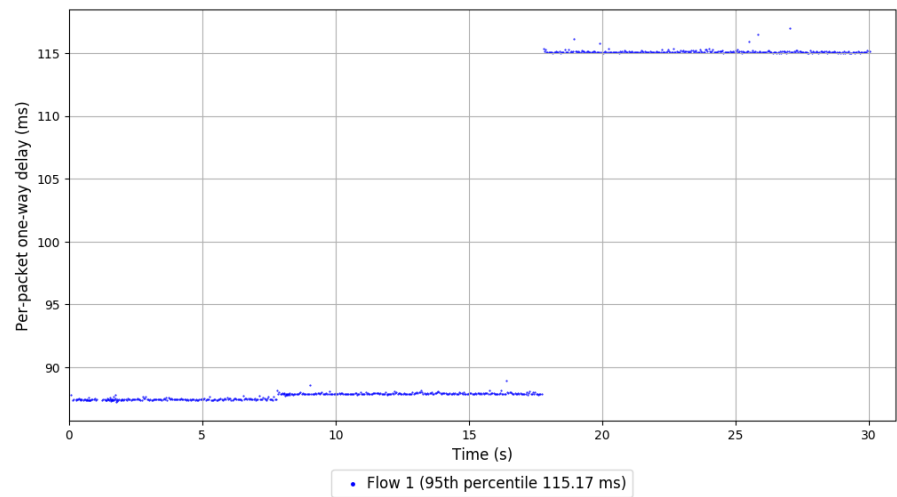
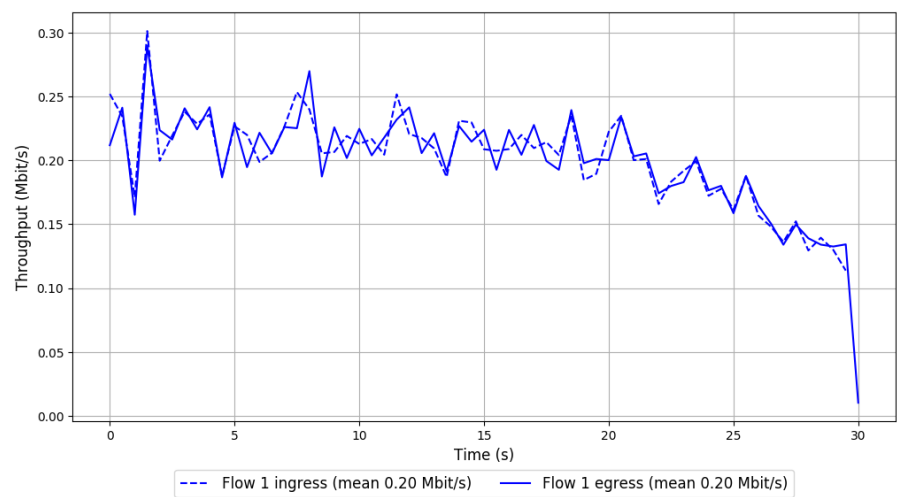
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 115.169 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-01-30 15:21:41

End at: 2018-01-30 15:22:11

Below is generated by plot.py at 2018-01-30 17:06:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.695 ms

Loss rate: 0.00%

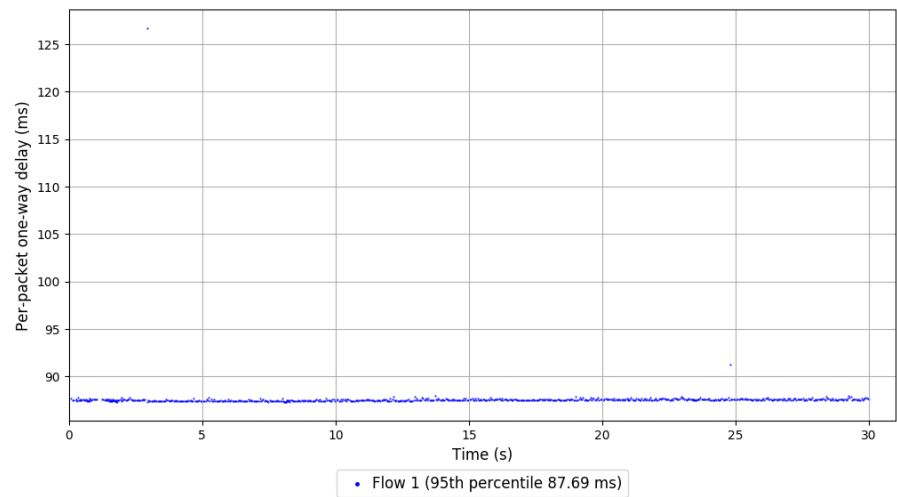
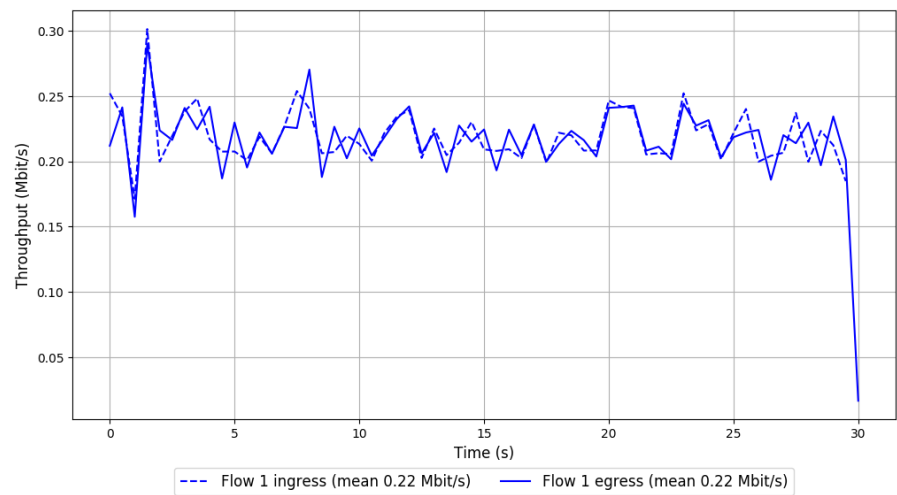
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.695 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-01-30 15:36:01

End at: 2018-01-30 15:36:31

Below is generated by plot.py at 2018-01-30 17:06:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.225 ms

Loss rate: 0.00%

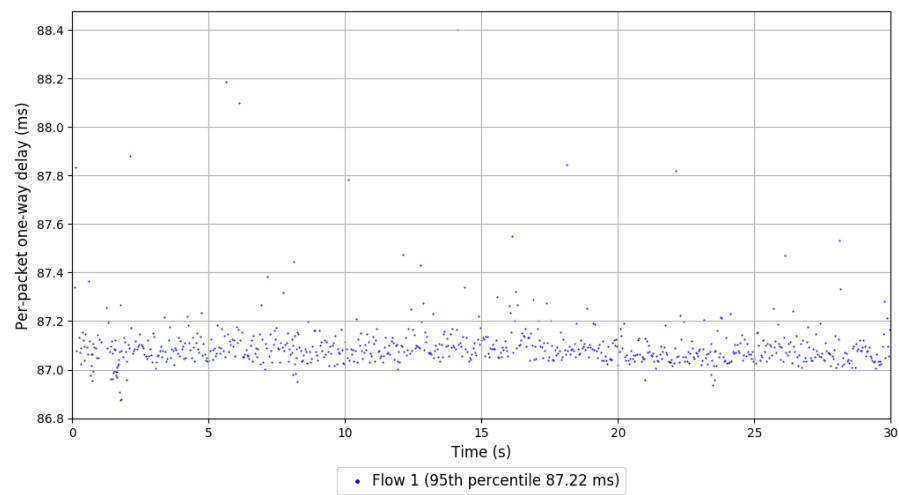
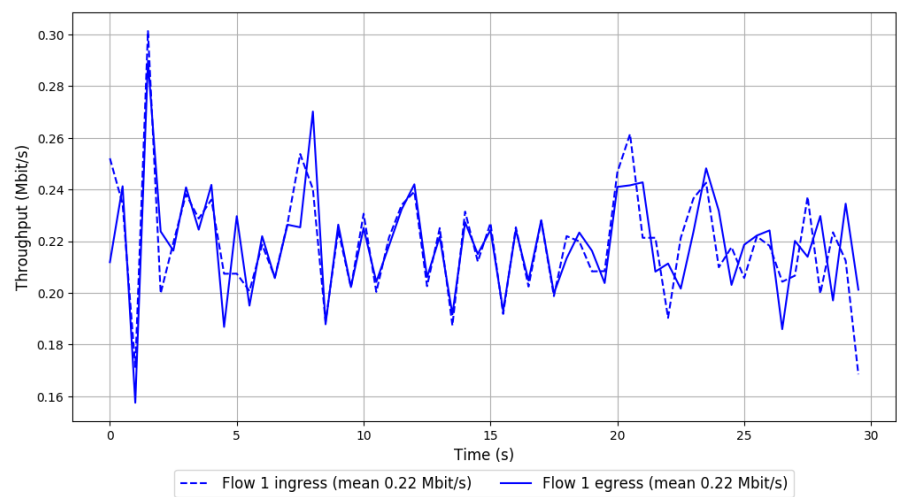
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.225 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

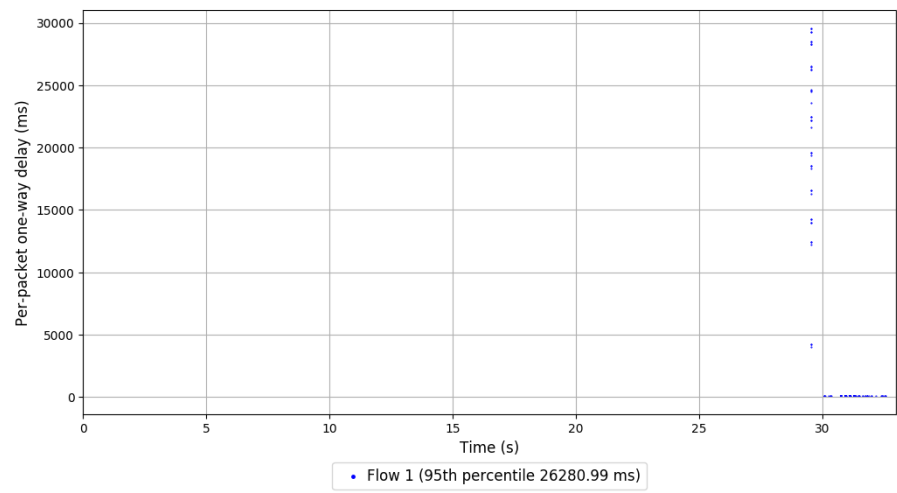
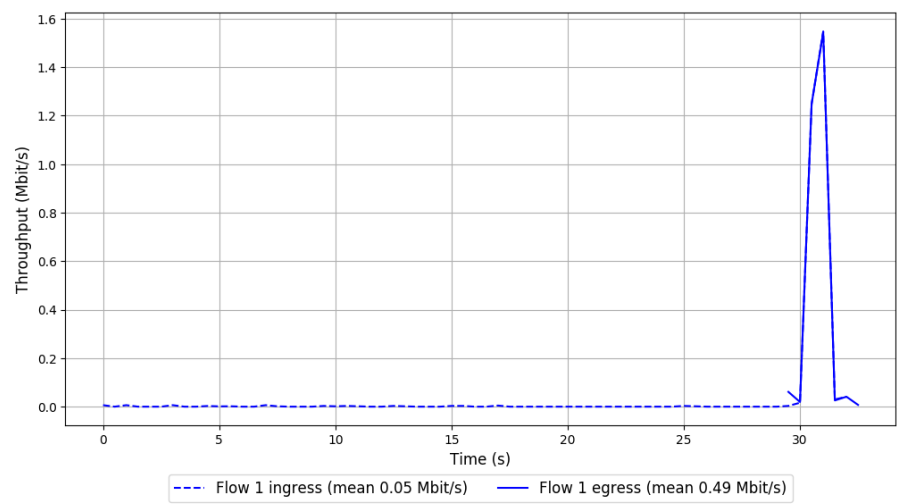


Run 1: Statistics of WebRTC media

Start at: 2018-01-30 13:34:23

End at: 2018-01-30 13:34:53

Run 1: Report of WebRTC media — Data Link

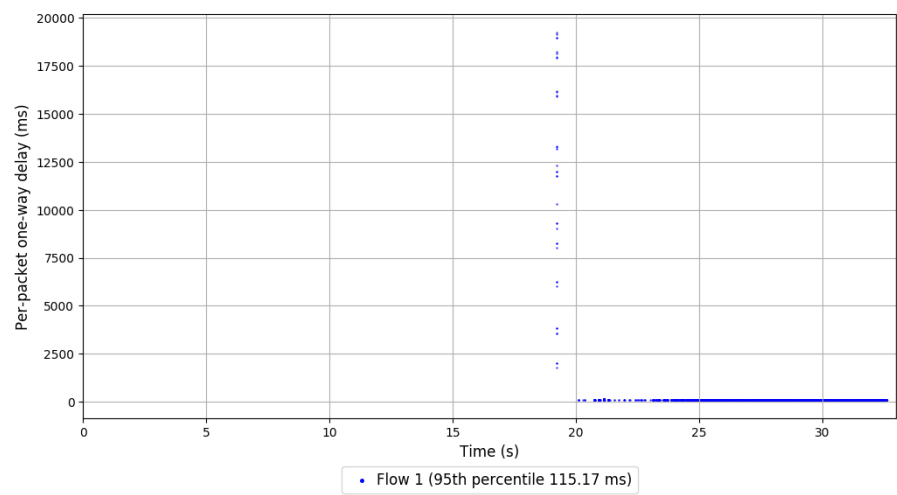
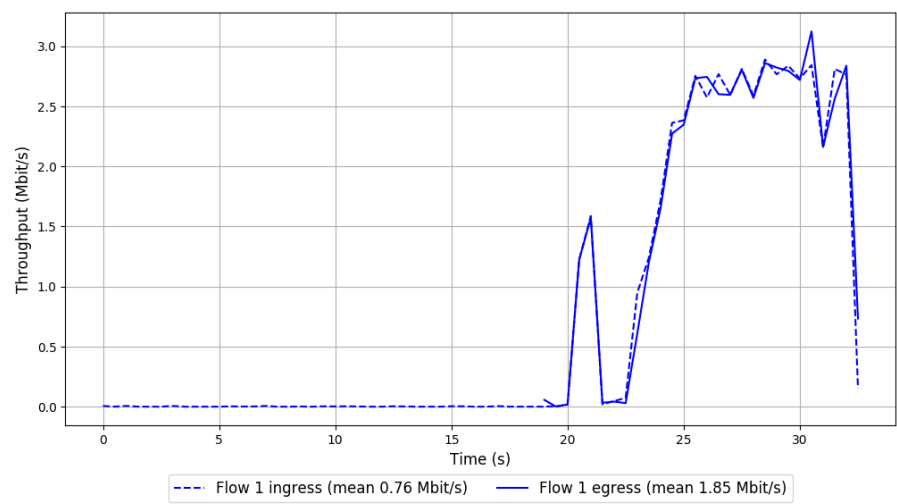


Run 2: Statistics of WebRTC media

Start at: 2018-01-30 13:49:02

End at: 2018-01-30 13:49:32

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-01-30 14:03:45

End at: 2018-01-30 14:04:15

Below is generated by plot.py at 2018-01-30 17:06:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.20 Mbit/s

95th percentile per-packet one-way delay: 87.578 ms

Loss rate: 0.00%

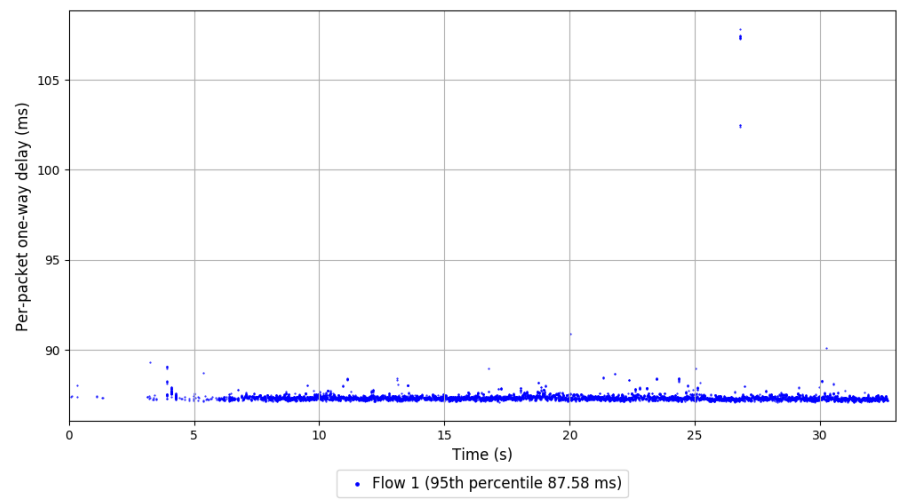
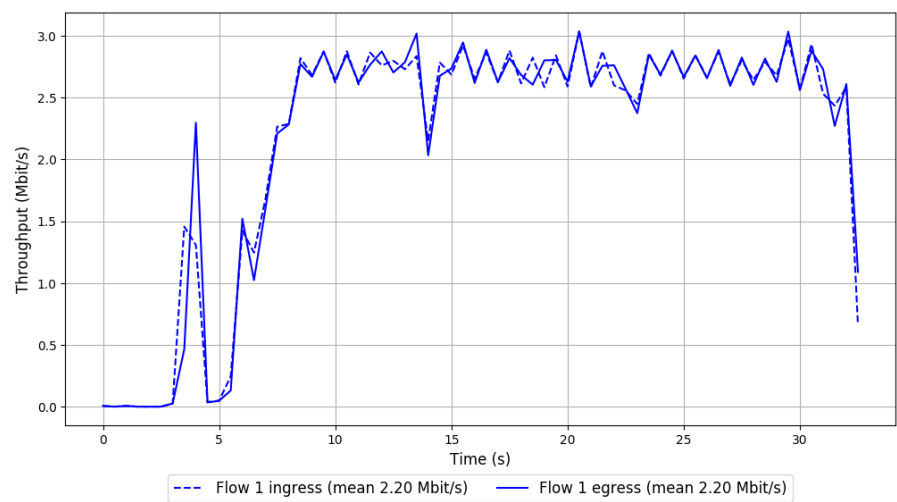
-- Flow 1:

Average throughput: 2.20 Mbit/s

95th percentile per-packet one-way delay: 87.578 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

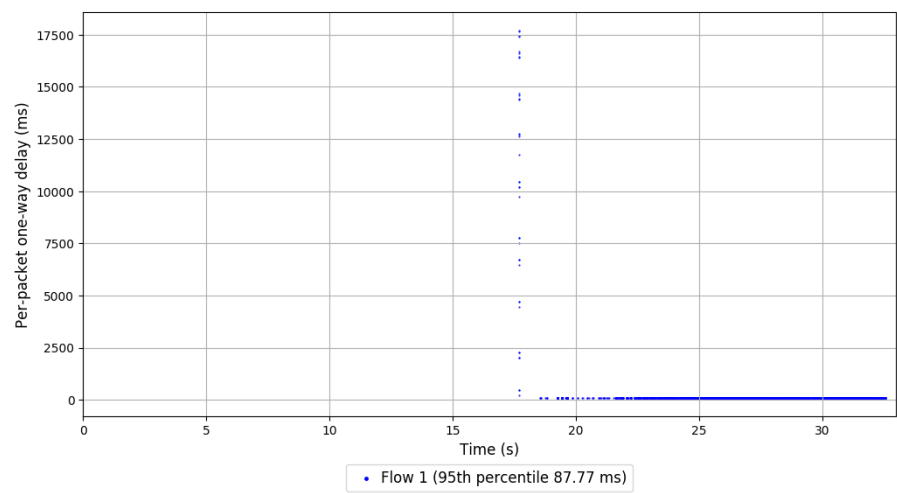
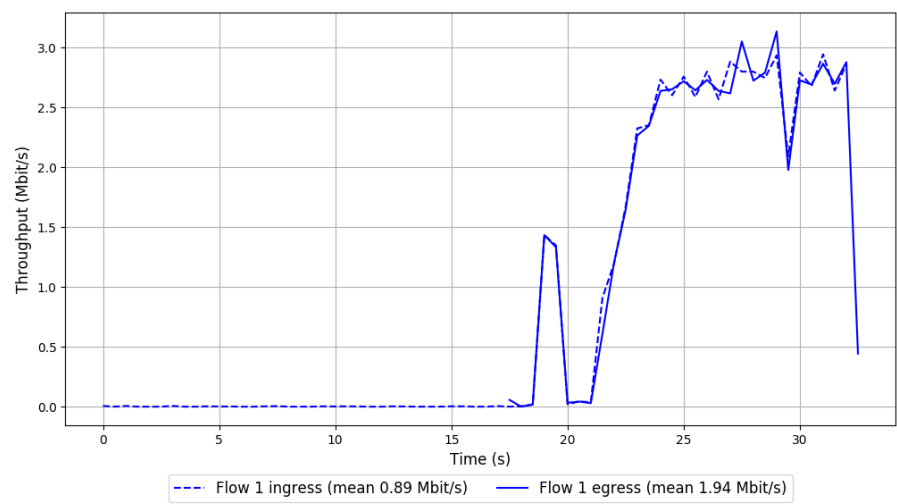


Run 4: Statistics of WebRTC media

Start at: 2018-01-30 14:18:09

End at: 2018-01-30 14:18:39

Run 4: Report of WebRTC media — Data Link

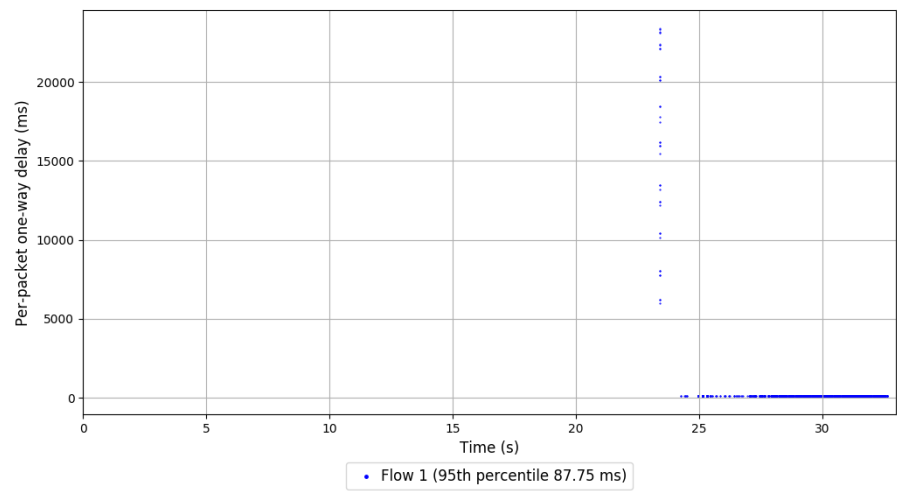
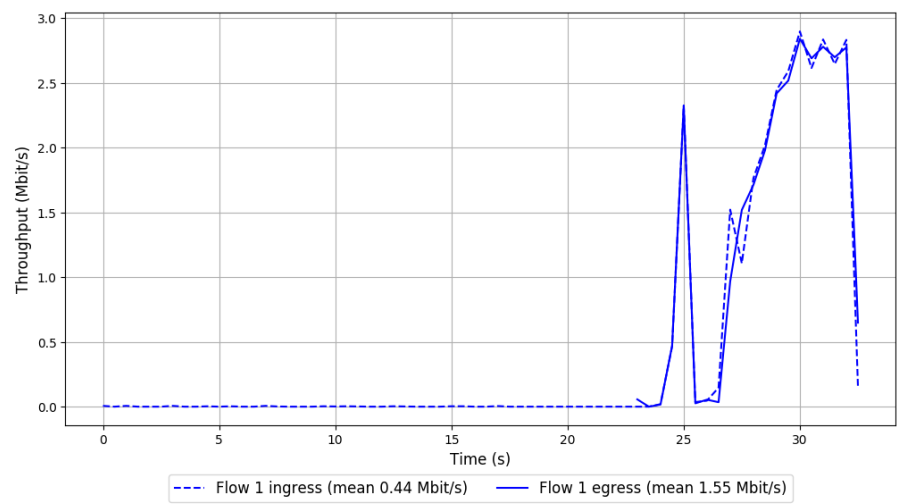


Run 5: Statistics of WebRTC media

Start at: 2018-01-30 14:32:35

End at: 2018-01-30 14:33:05

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-01-30 14:47:08

End at: 2018-01-30 14:47:38

Below is generated by plot.py at 2018-01-30 17:06:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.20 Mbit/s

95th percentile per-packet one-way delay: 87.764 ms

Loss rate: 0.00%

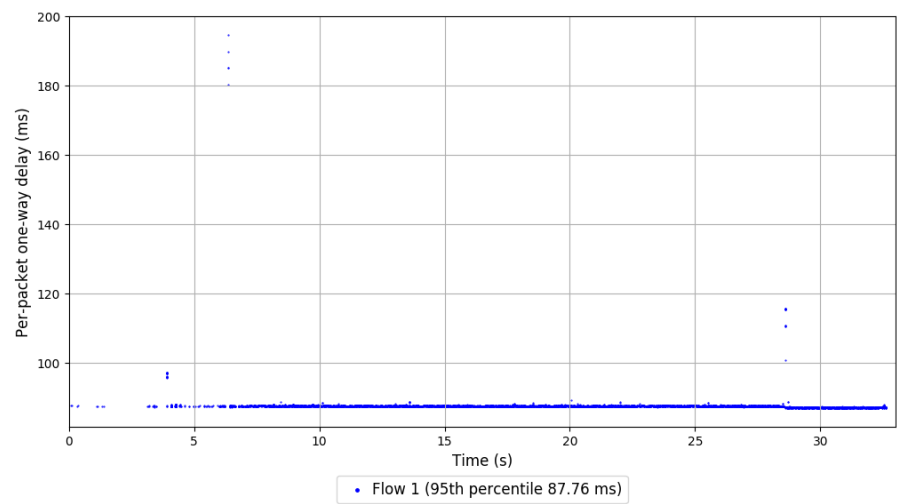
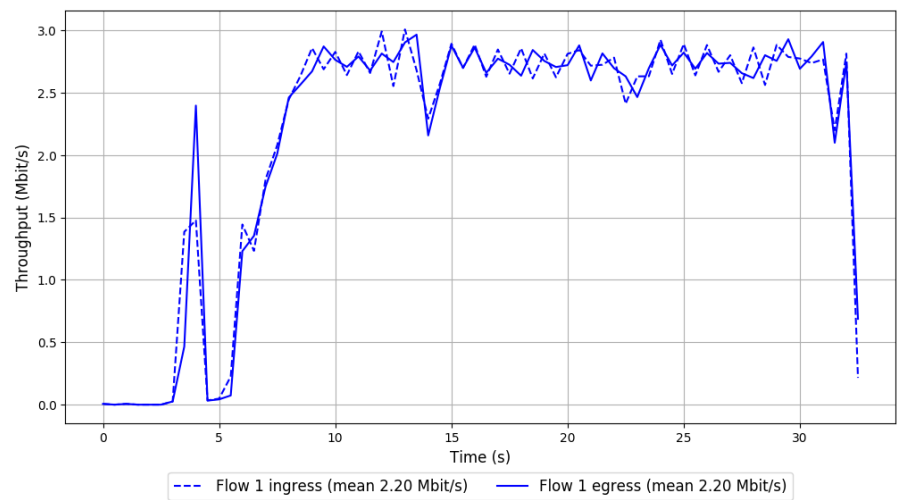
-- Flow 1:

Average throughput: 2.20 Mbit/s

95th percentile per-packet one-way delay: 87.764 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-01-30 15:01:36

End at: 2018-01-30 15:02:06

Below is generated by plot.py at 2018-01-30 17:06:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 115.183 ms

Loss rate: 0.00%

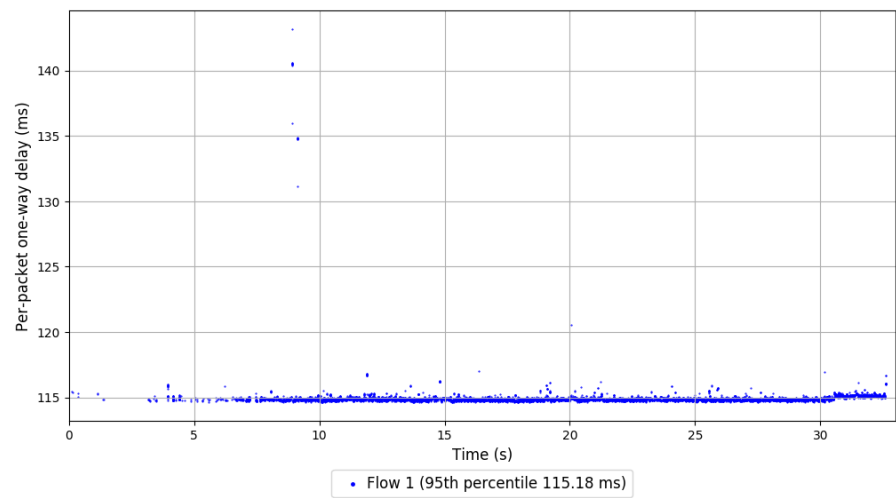
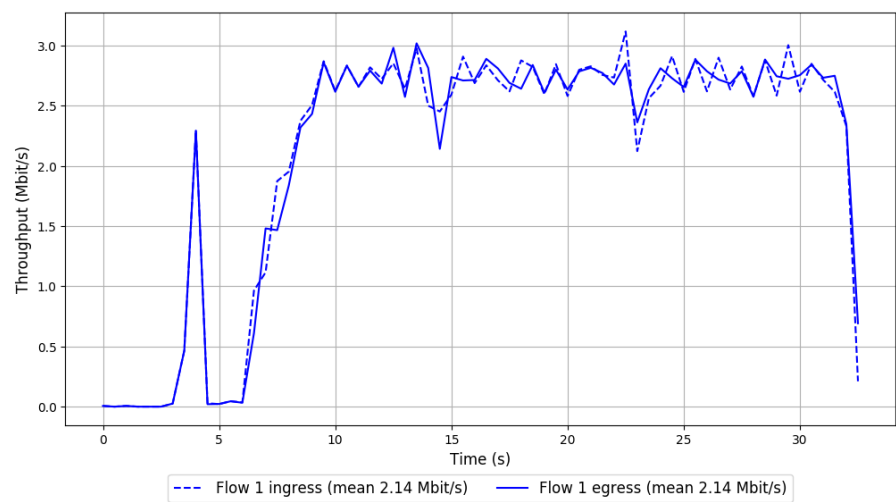
-- Flow 1:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 115.183 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

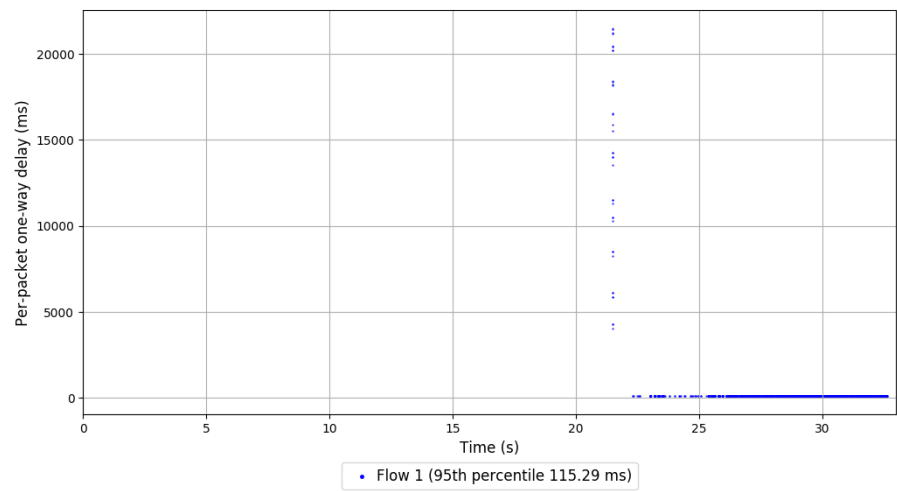
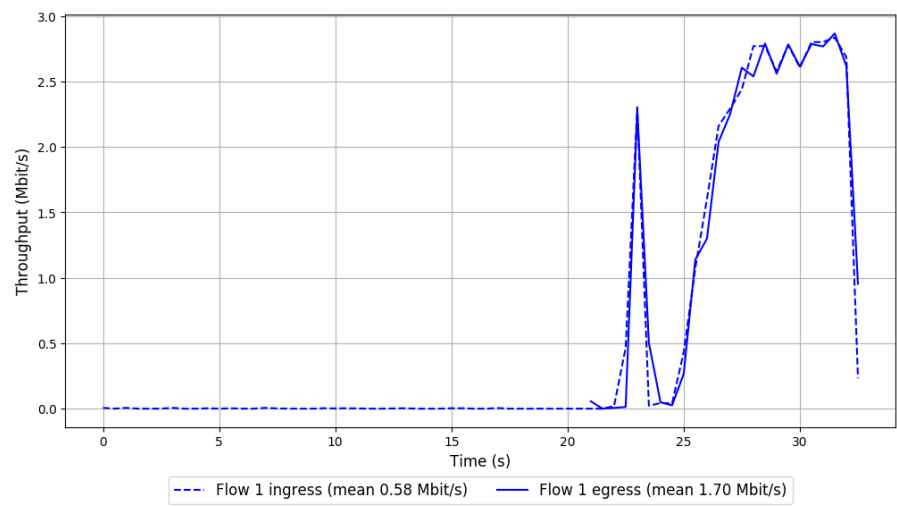


Run 8: Statistics of WebRTC media

Start at: 2018-01-30 15:16:17

End at: 2018-01-30 15:16:47

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-01-30 15:30:36

End at: 2018-01-30 15:31:06

Below is generated by plot.py at 2018-01-30 17:06:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 88.273 ms

Loss rate: 0.00%

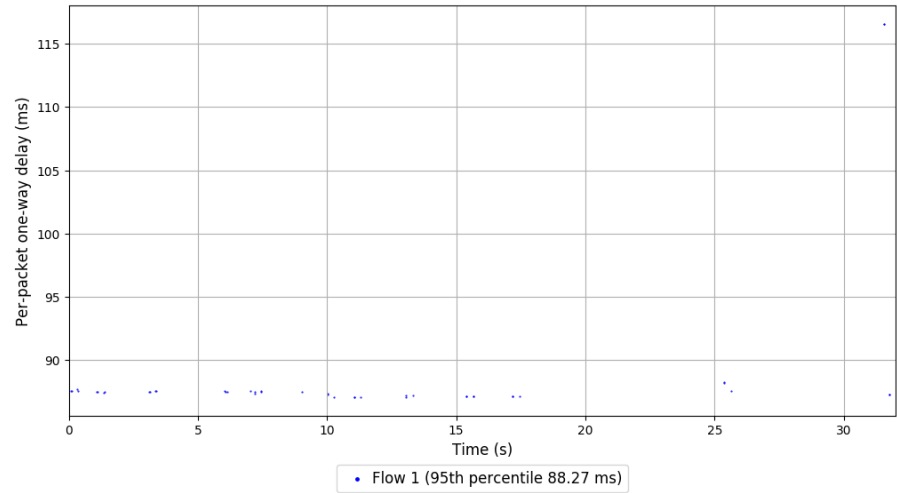
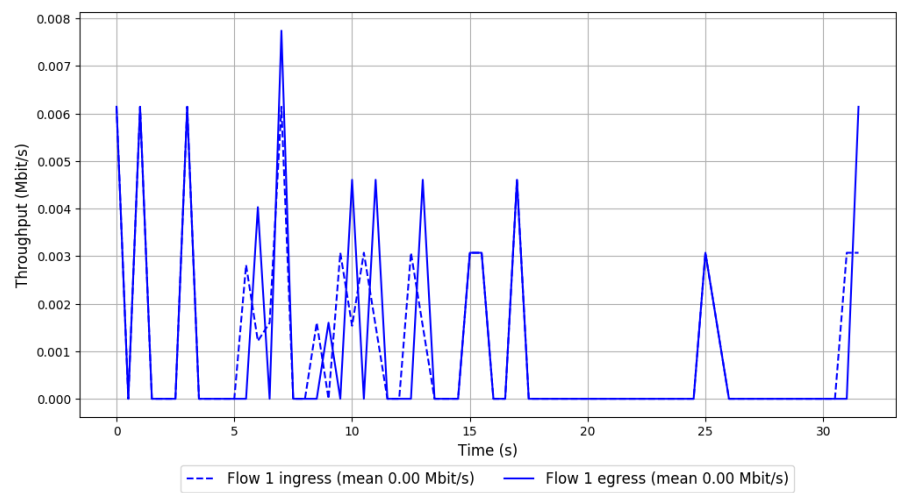
-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 88.273 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-01-30 15:44:57

End at: 2018-01-30 15:45:27

Run 10: Report of WebRTC media — Data Link

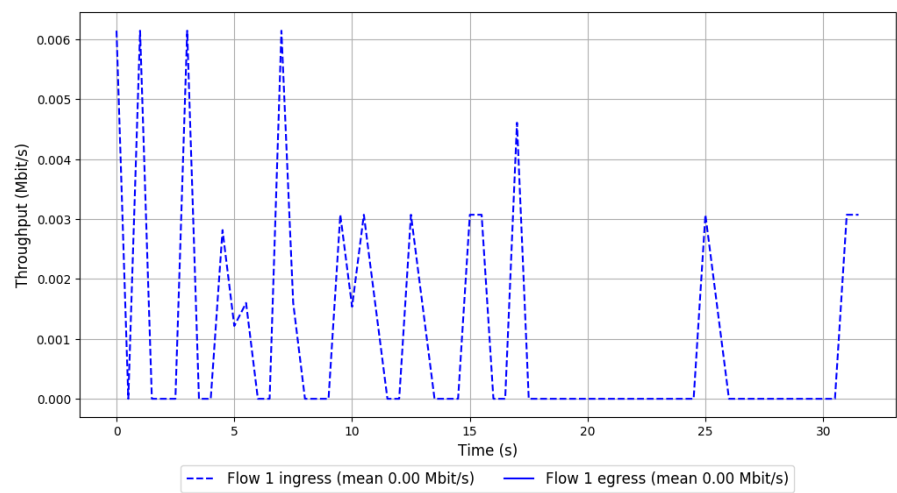


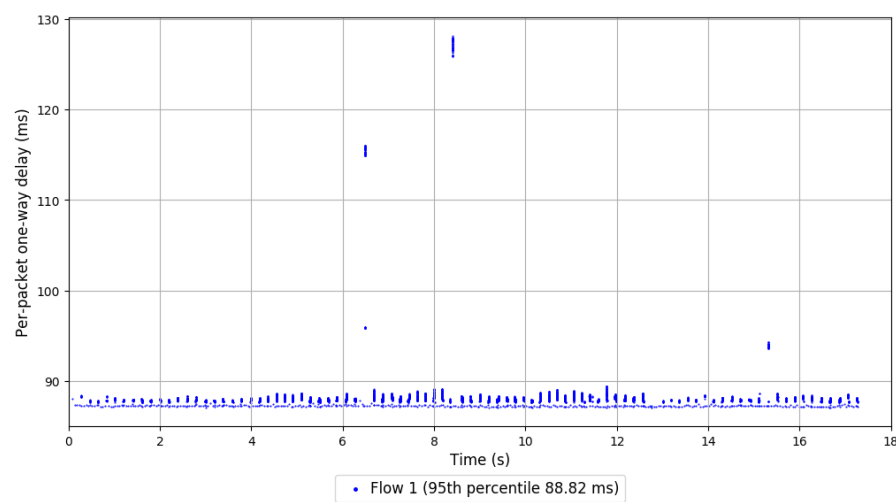
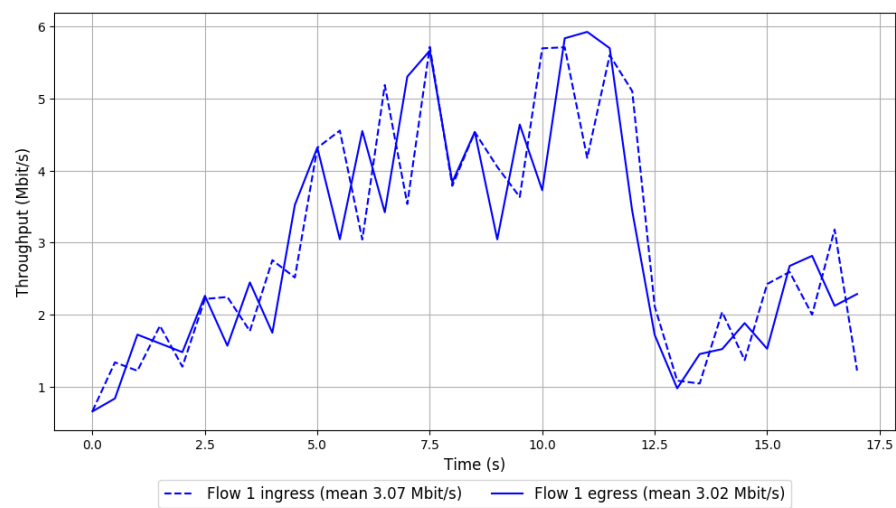
Figure is missing

Run 1: Statistics of Sprout

Start at: 2018-01-30 13:33:43

End at: 2018-01-30 13:34:13

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-01-30 13:48:22

End at: 2018-01-30 13:48:52

Below is generated by plot.py at 2018-01-30 17:06:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.47 Mbit/s

95th percentile per-packet one-way delay: 88.608 ms

Loss rate: 2.40%

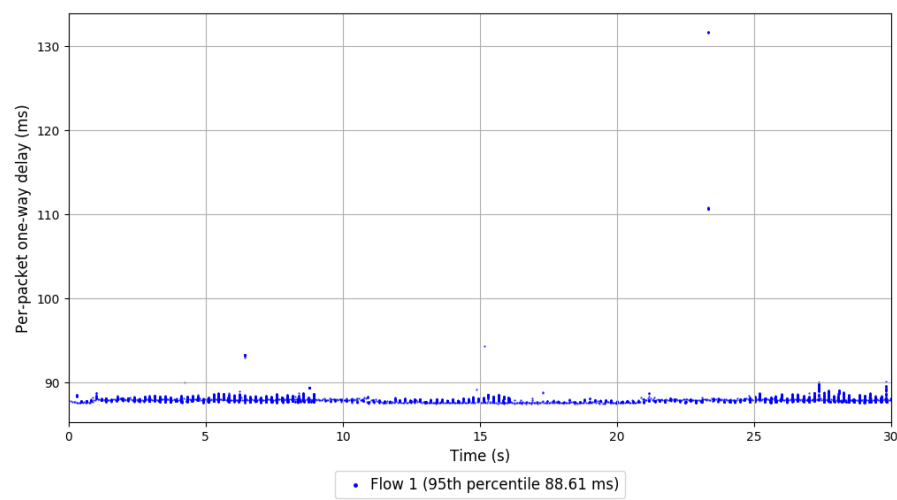
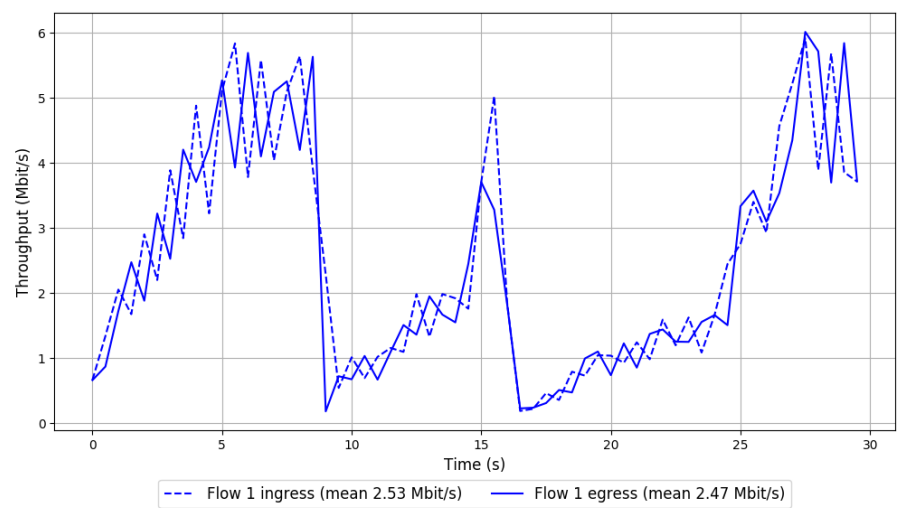
-- Flow 1:

Average throughput: 2.47 Mbit/s

95th percentile per-packet one-way delay: 88.608 ms

Loss rate: 2.40%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-01-30 14:03:05

End at: 2018-01-30 14:03:35

Below is generated by plot.py at 2018-01-30 17:06:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 88.606 ms

Loss rate: 2.72%

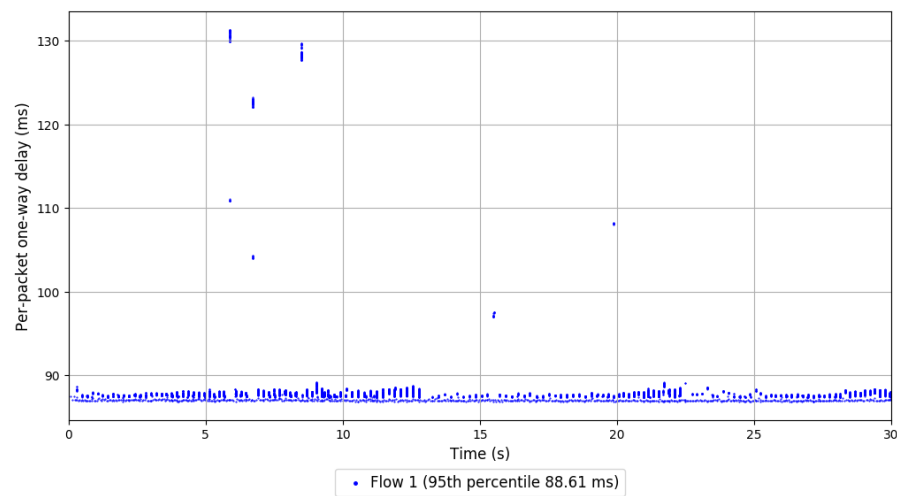
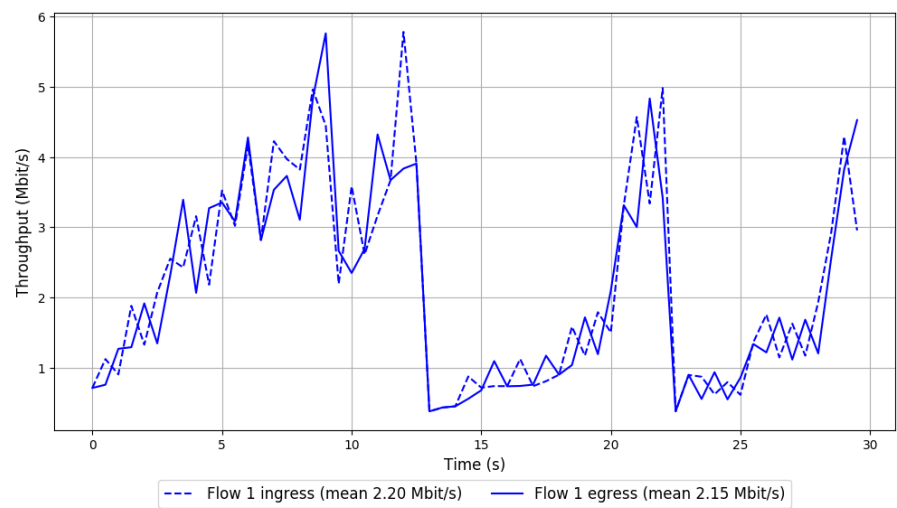
-- Flow 1:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 88.606 ms

Loss rate: 2.72%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-01-30 14:17:29

End at: 2018-01-30 14:17:59

Below is generated by plot.py at 2018-01-30 17:06:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 88.379 ms

Loss rate: 1.45%

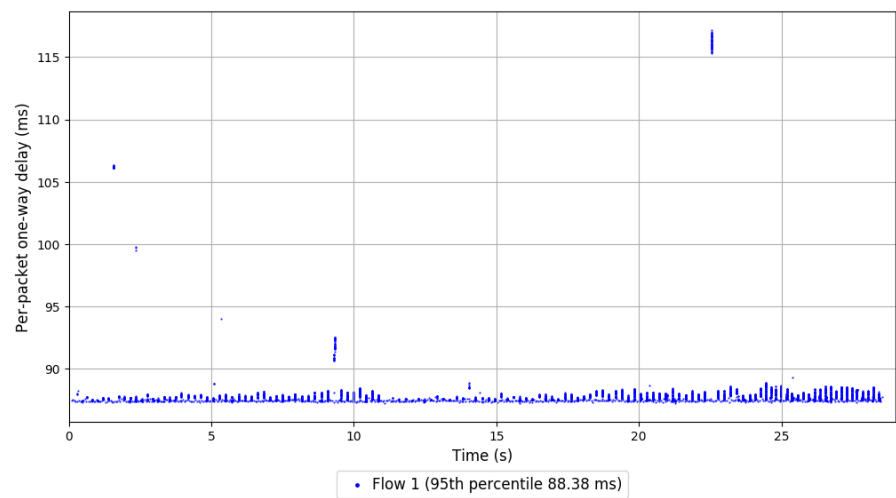
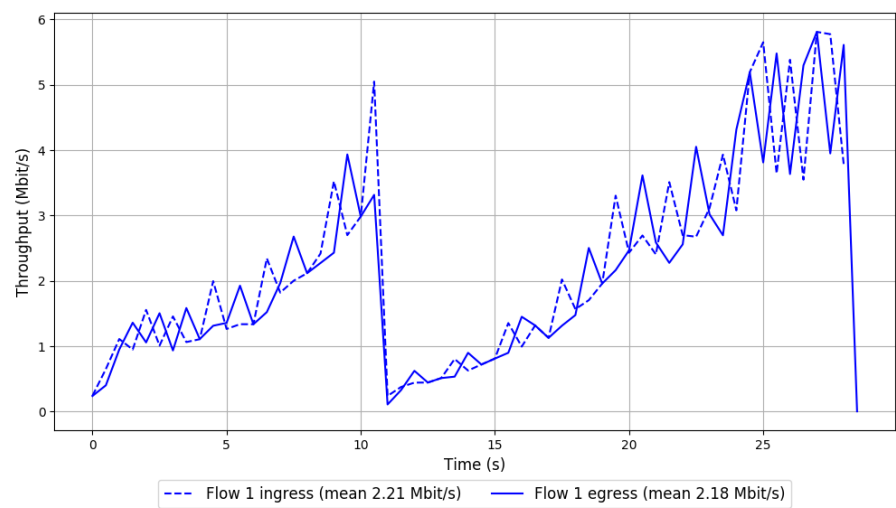
-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 88.379 ms

Loss rate: 1.45%

Run 4: Report of Sprout — Data Link

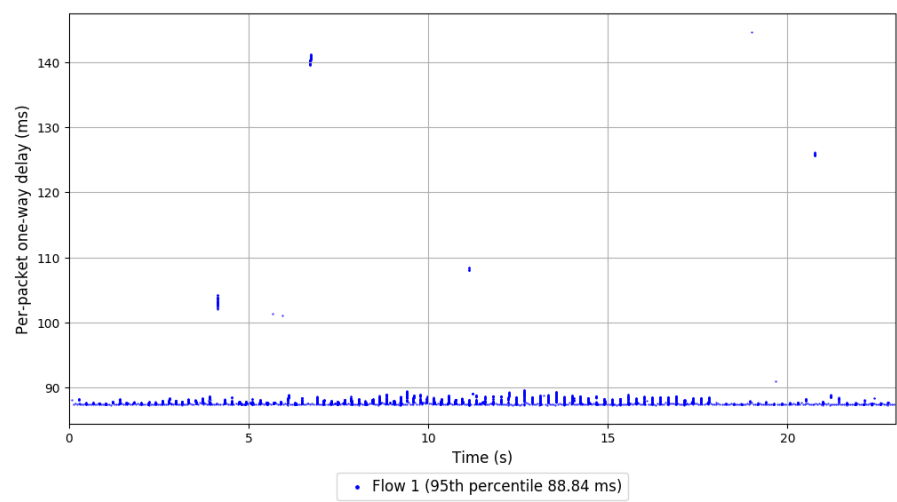
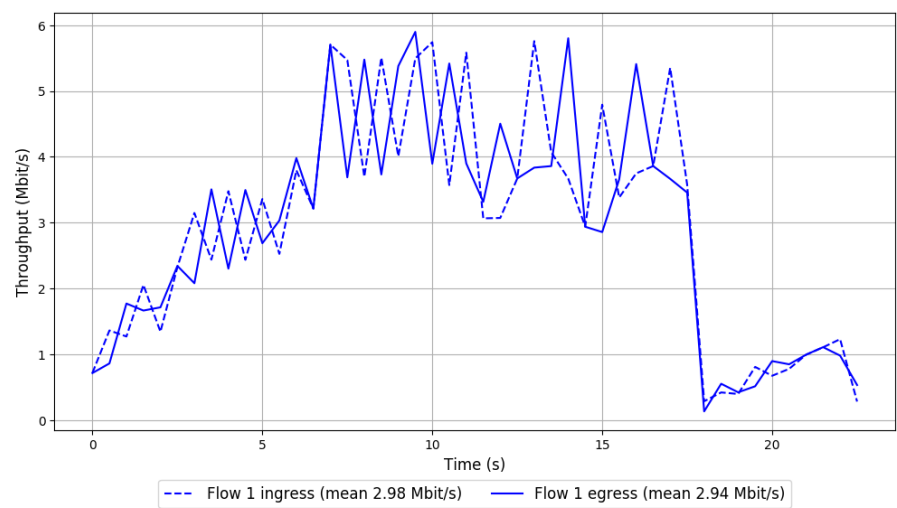


Run 5: Statistics of Sprout

Start at: 2018-01-30 14:31:56

End at: 2018-01-30 14:32:26

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-01-30 14:46:27

End at: 2018-01-30 14:46:57

Below is generated by plot.py at 2018-01-30 17:06:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.42 Mbit/s

95th percentile per-packet one-way delay: 88.315 ms

Loss rate: 1.10%

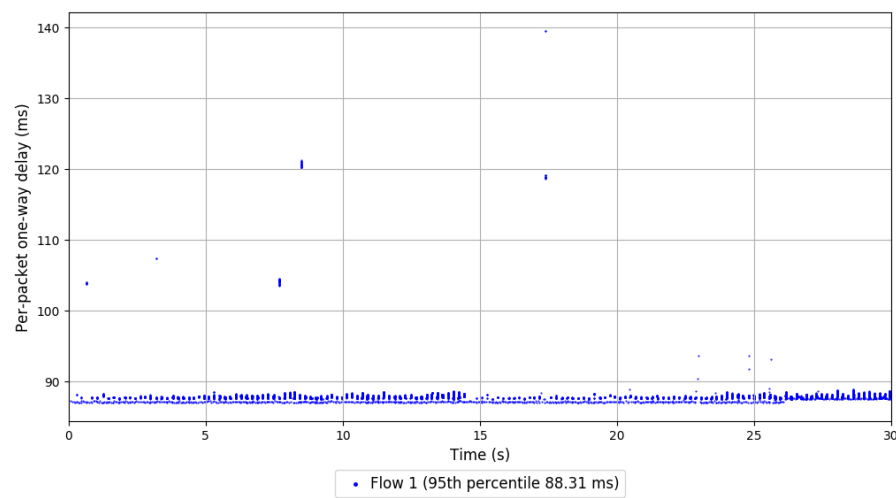
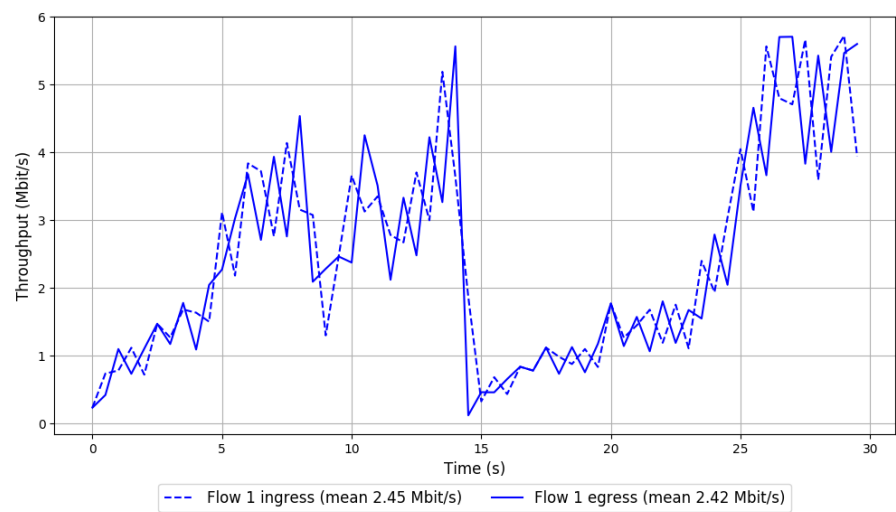
-- Flow 1:

Average throughput: 2.42 Mbit/s

95th percentile per-packet one-way delay: 88.315 ms

Loss rate: 1.10%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-01-30 15:00:55

End at: 2018-01-30 15:01:25

Below is generated by plot.py at 2018-01-30 17:06:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.40 Mbit/s

95th percentile per-packet one-way delay: 116.120 ms

Loss rate: 1.11%

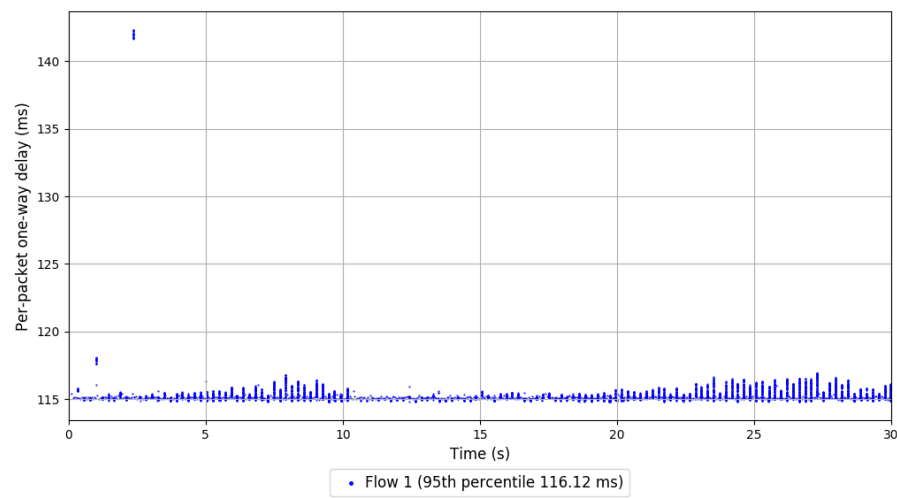
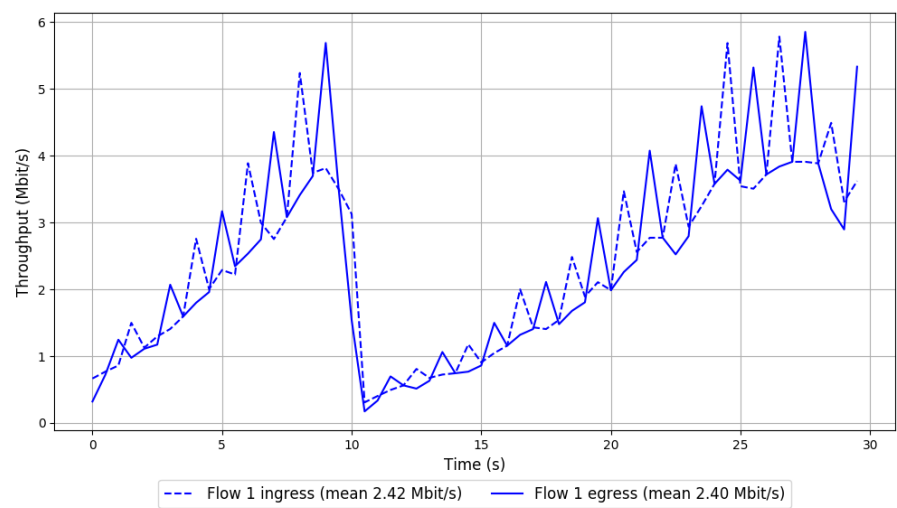
-- Flow 1:

Average throughput: 2.40 Mbit/s

95th percentile per-packet one-way delay: 116.120 ms

Loss rate: 1.11%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-01-30 15:15:37

End at: 2018-01-30 15:16:07

Below is generated by plot.py at 2018-01-30 17:06:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.21 Mbit/s

95th percentile per-packet one-way delay: 88.580 ms

Loss rate: 2.32%

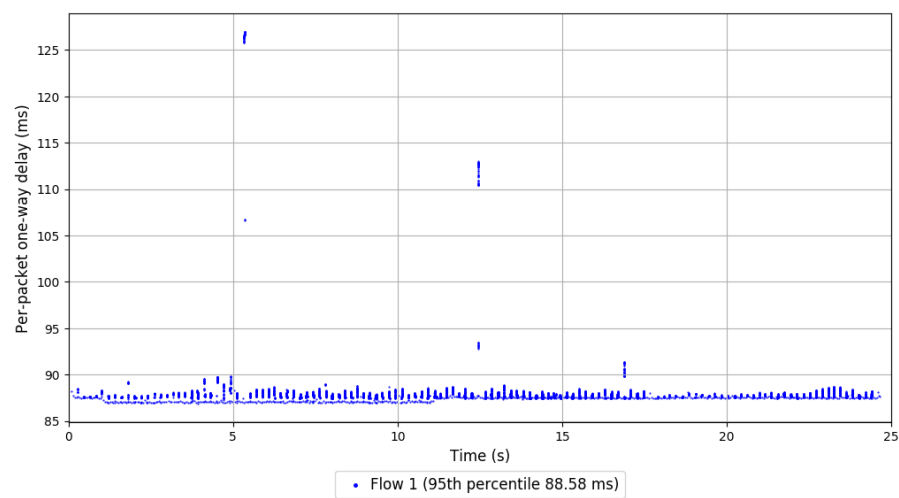
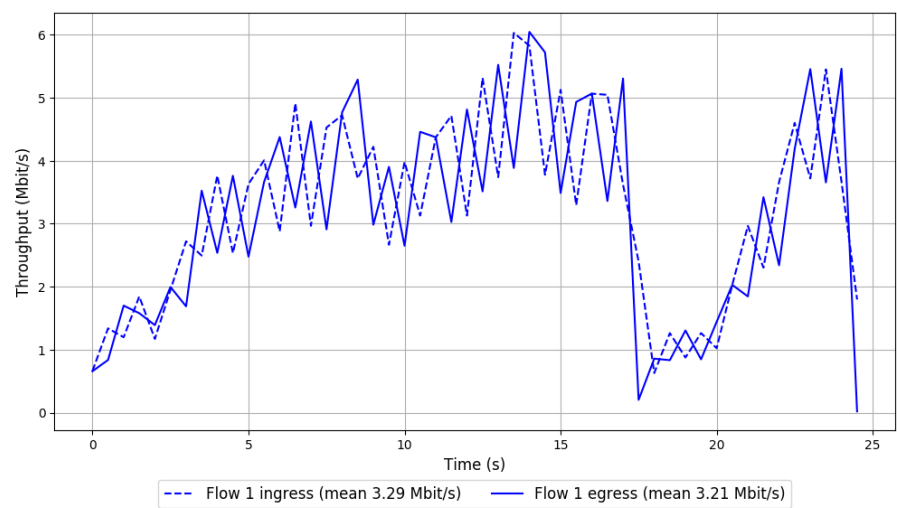
-- Flow 1:

Average throughput: 3.21 Mbit/s

95th percentile per-packet one-way delay: 88.580 ms

Loss rate: 2.32%

Run 8: Report of Sprout — Data Link

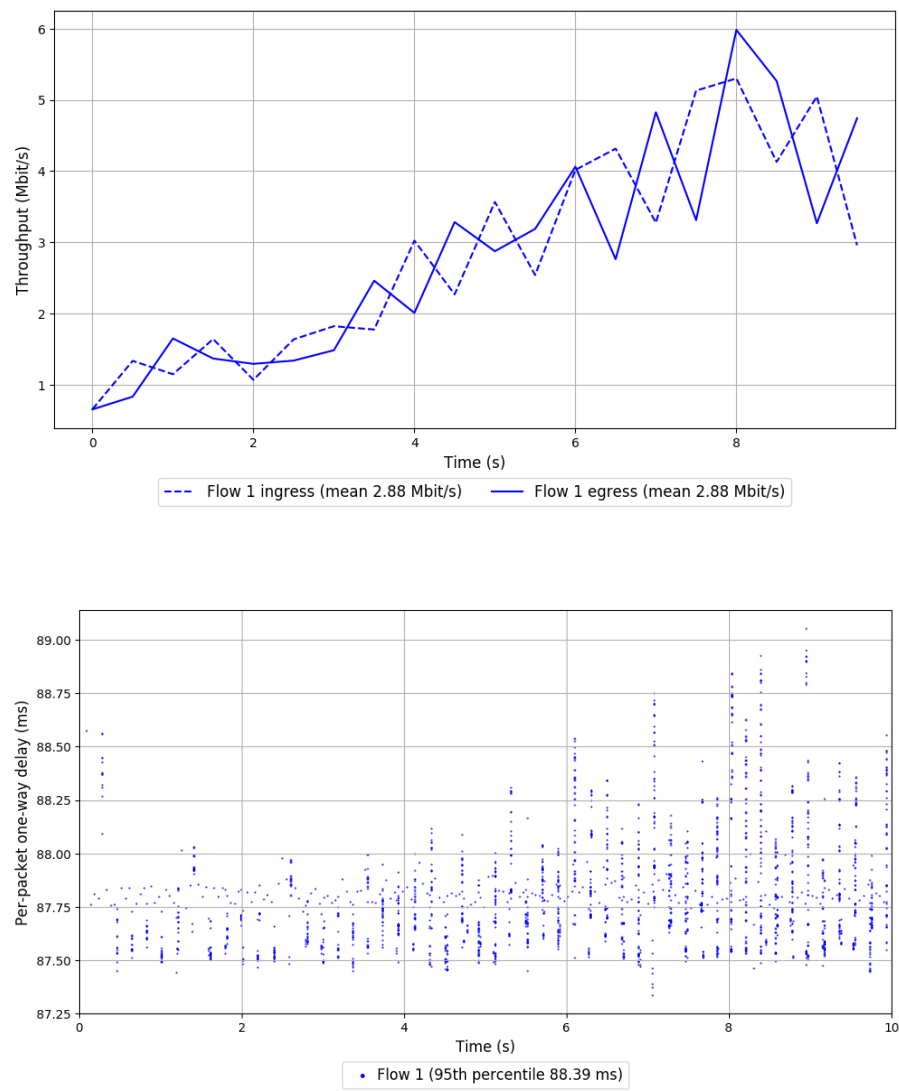


Run 9: Statistics of Sprout

Start at: 2018-01-30 15:29:57

End at: 2018-01-30 15:30:27

Run 9: Report of Sprout — Data Link

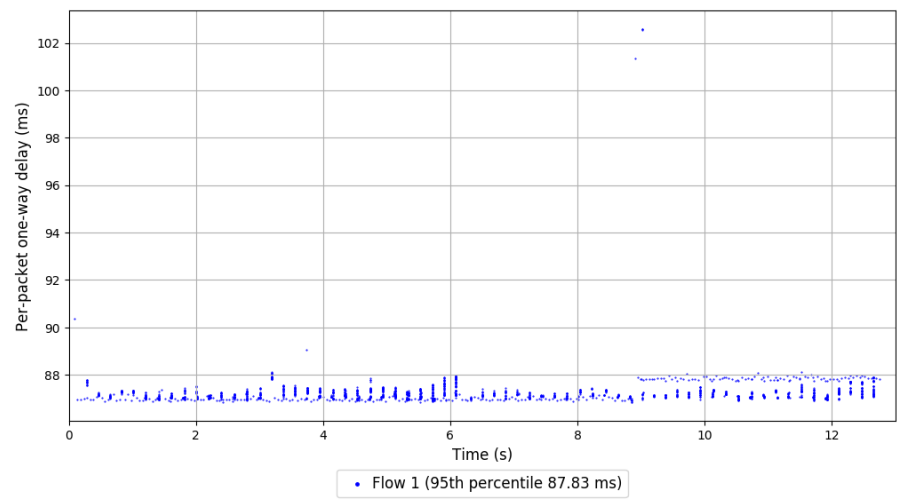
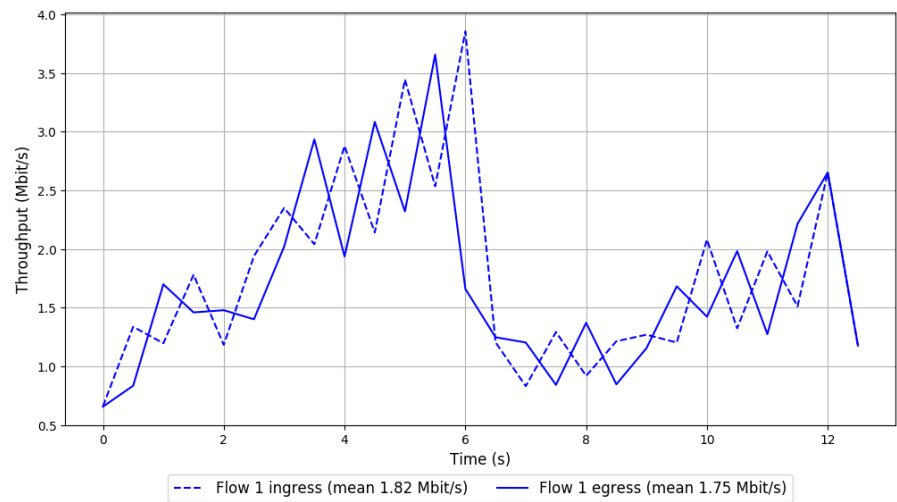


Run 10: Statistics of Sprout

Start at: 2018-01-30 15:44:18

End at: 2018-01-30 15:44:48

Run 10: Report of Sprout — Data Link

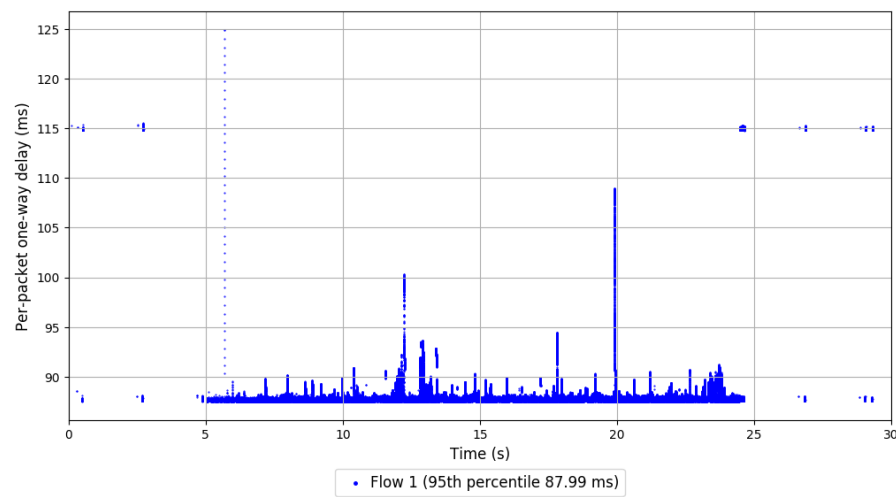
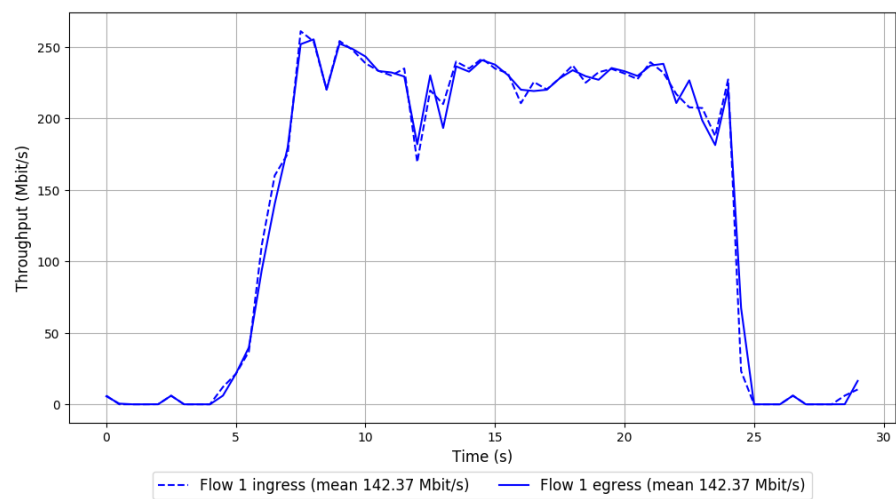


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-01-30 13:23:49
End at: 2018-01-30 13:24:19

# Below is generated by plot.py at 2018-01-30 17:08:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 142.37 Mbit/s
95th percentile per-packet one-way delay: 87.989 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 142.37 Mbit/s
95th percentile per-packet one-way delay: 87.989 ms
Loss rate: 0.00%
```


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

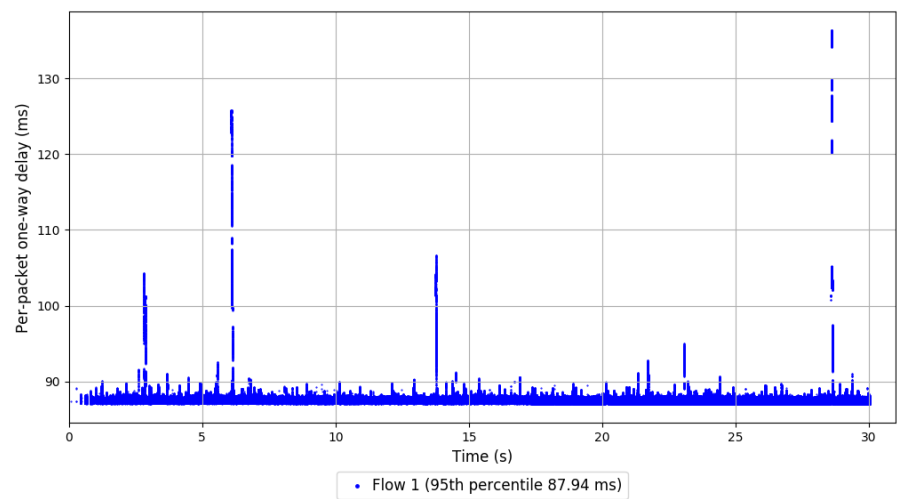
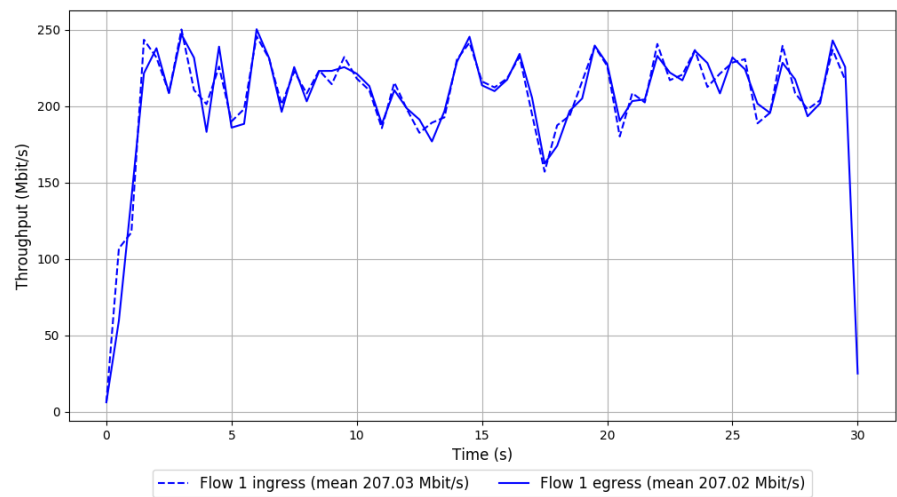


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-01-30 13:38:06
End at: 2018-01-30 13:38:36

# Below is generated by plot.py at 2018-01-30 17:10:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 207.02 Mbit/s
95th percentile per-packet one-way delay: 87.937 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 207.02 Mbit/s
95th percentile per-packet one-way delay: 87.937 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-01-30 13:52:49

End at: 2018-01-30 13:53:19

Below is generated by plot.py at 2018-01-30 17:10:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.22 Mbit/s

95th percentile per-packet one-way delay: 87.790 ms

Loss rate: 0.00%

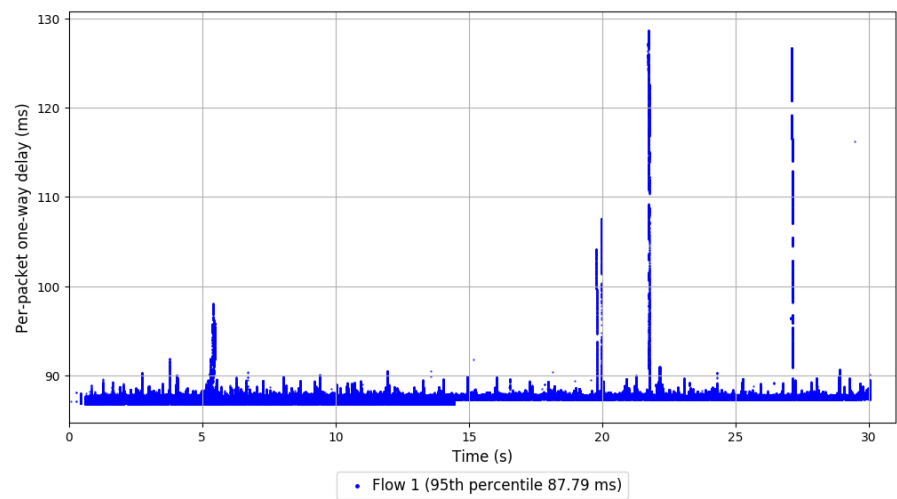
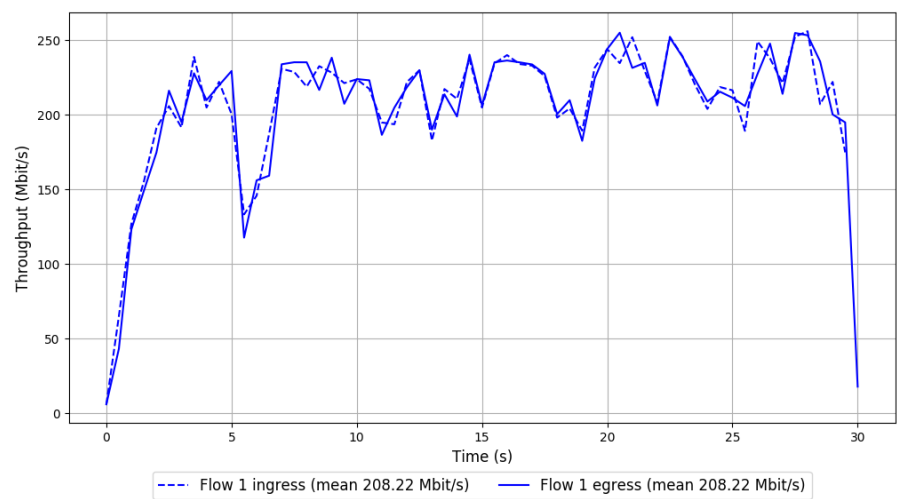
-- Flow 1:

Average throughput: 208.22 Mbit/s

95th percentile per-packet one-way delay: 87.790 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-01-30 14:07:29

End at: 2018-01-30 14:07:59

Below is generated by plot.py at 2018-01-30 17:10:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.02 Mbit/s

95th percentile per-packet one-way delay: 116.401 ms

Loss rate: 0.00%

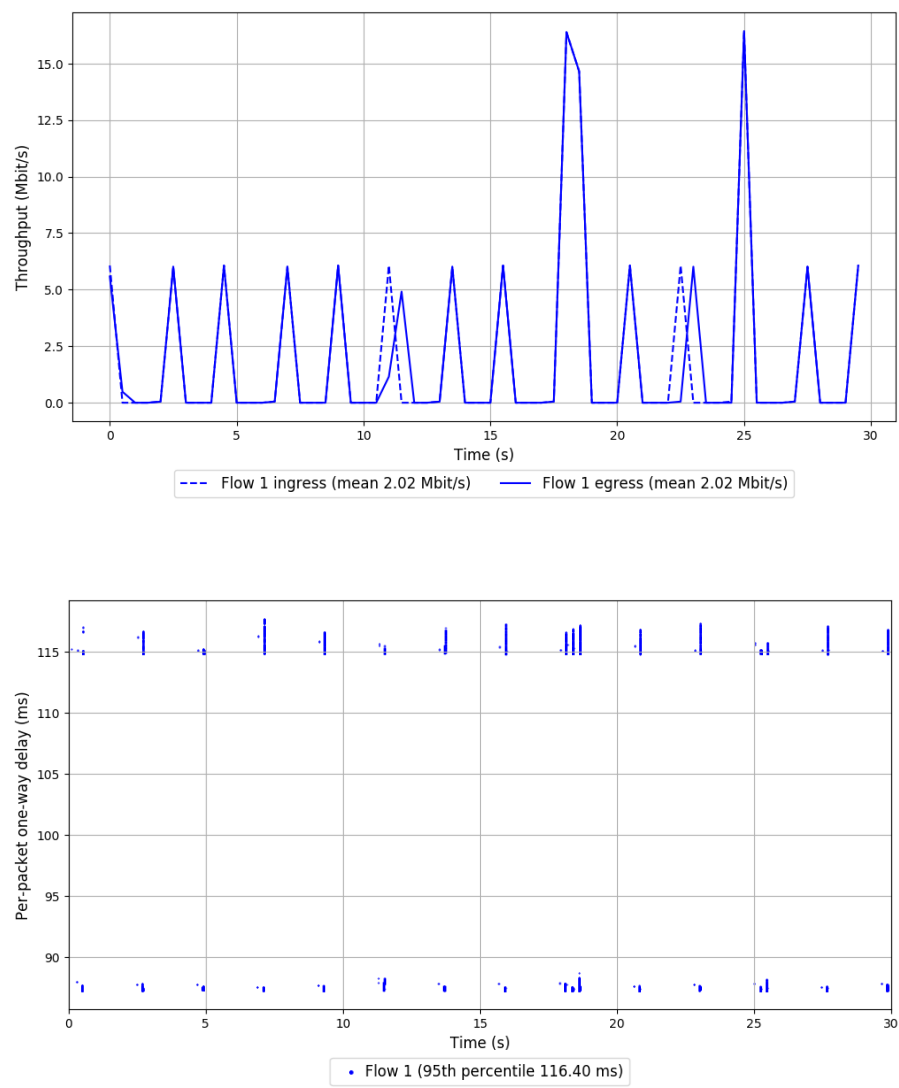
-- Flow 1:

Average throughput: 2.02 Mbit/s

95th percentile per-packet one-way delay: 116.401 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-01-30 14:21:50

End at: 2018-01-30 14:22:20

Below is generated by plot.py at 2018-01-30 17:10:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.20 Mbit/s

95th percentile per-packet one-way delay: 87.530 ms

Loss rate: 0.00%

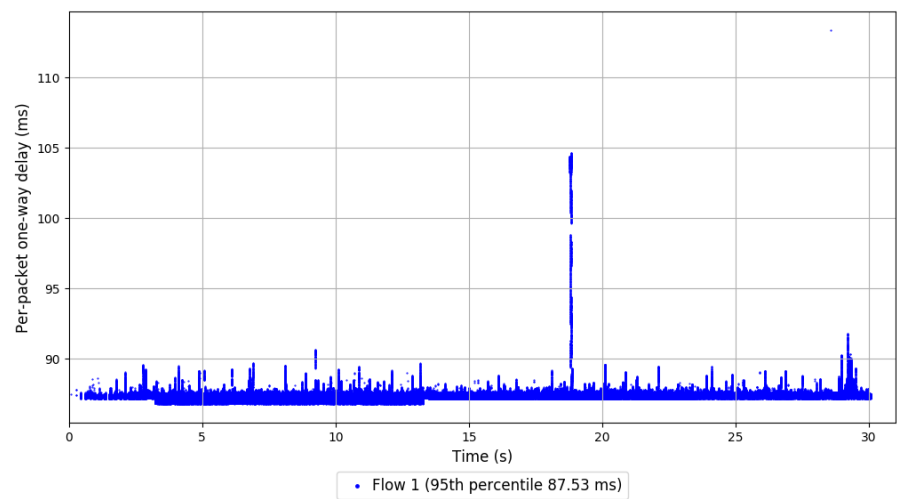
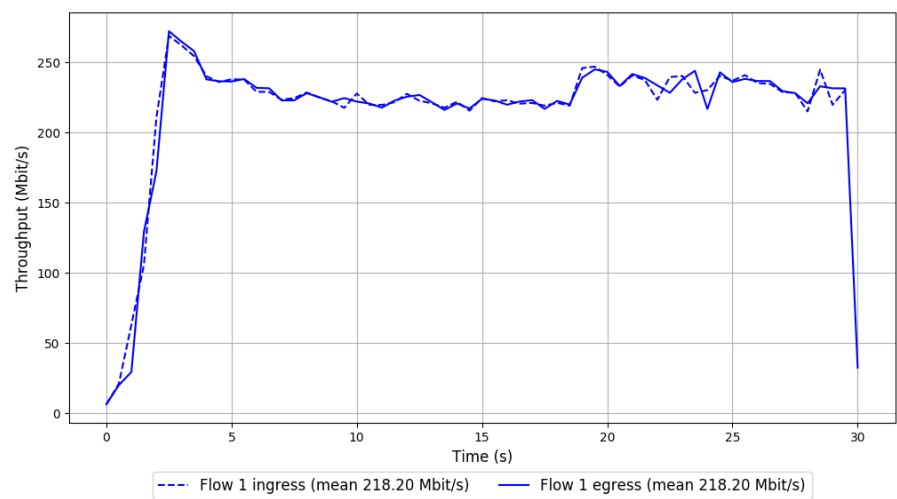
-- Flow 1:

Average throughput: 218.20 Mbit/s

95th percentile per-packet one-way delay: 87.530 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-01-30 14:36:17

End at: 2018-01-30 14:36:47

Below is generated by plot.py at 2018-01-30 17:10:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.69 Mbit/s

95th percentile per-packet one-way delay: 87.694 ms

Loss rate: 0.00%

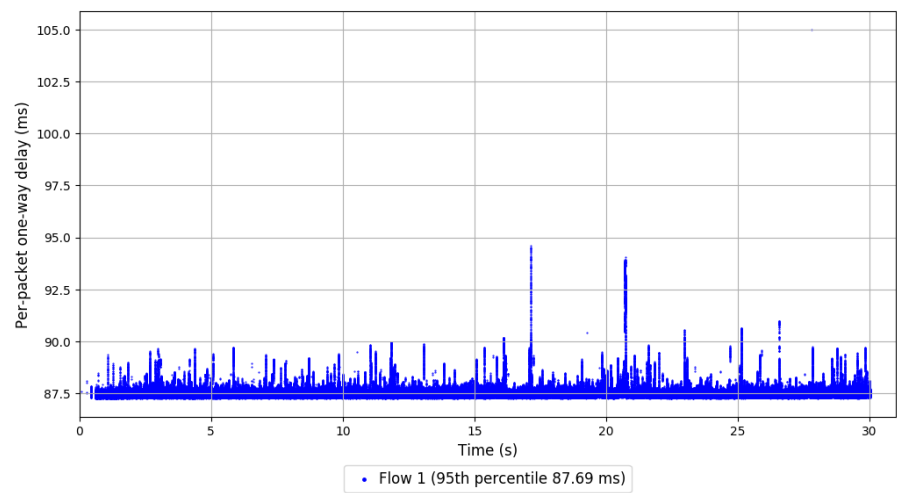
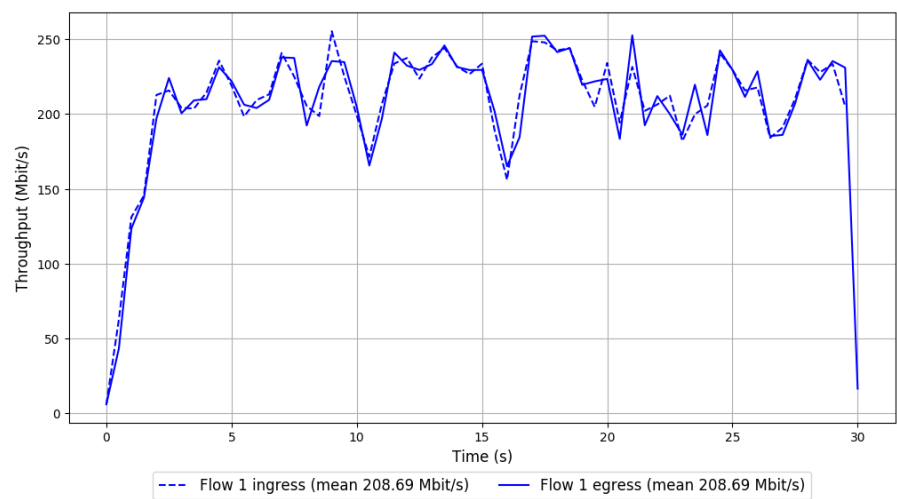
-- Flow 1:

Average throughput: 208.69 Mbit/s

95th percentile per-packet one-way delay: 87.694 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-01-30 14:50:49

End at: 2018-01-30 14:51:19

Below is generated by plot.py at 2018-01-30 17:10:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.17 Mbit/s

95th percentile per-packet one-way delay: 87.807 ms

Loss rate: 0.00%

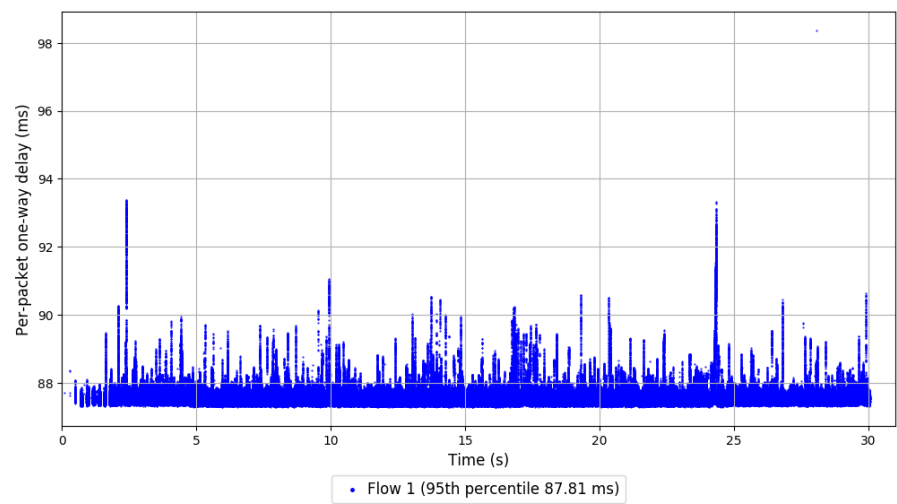
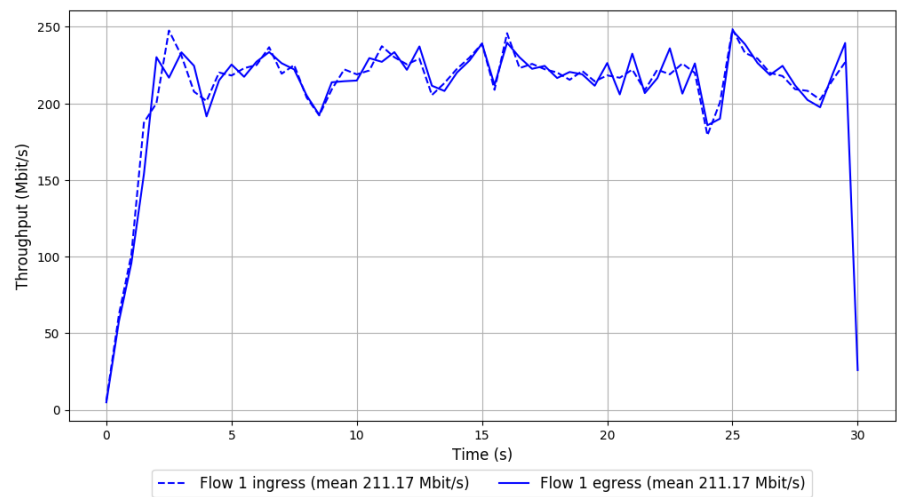
-- Flow 1:

Average throughput: 211.17 Mbit/s

95th percentile per-packet one-way delay: 87.807 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-01-30 15:05:22

End at: 2018-01-30 15:05:52

Below is generated by plot.py at 2018-01-30 17:12:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 195.68 Mbit/s

95th percentile per-packet one-way delay: 115.417 ms

Loss rate: 0.00%

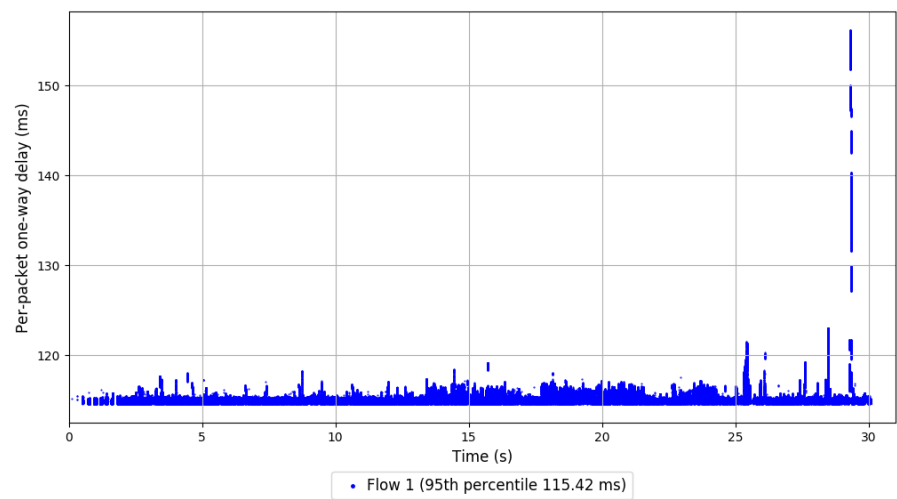
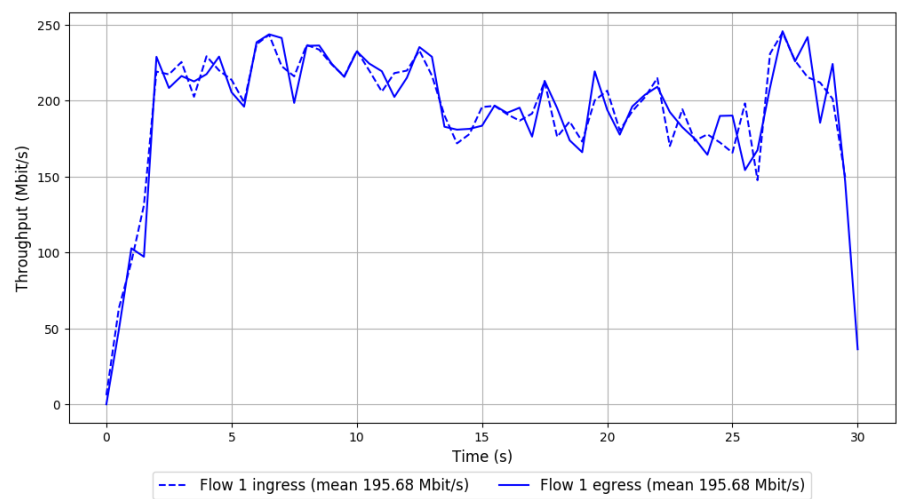
-- Flow 1:

Average throughput: 195.68 Mbit/s

95th percentile per-packet one-way delay: 115.417 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-01-30 15:19:58

End at: 2018-01-30 15:20:28

Below is generated by plot.py at 2018-01-30 17:14:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.72 Mbit/s

95th percentile per-packet one-way delay: 87.636 ms

Loss rate: 0.00%

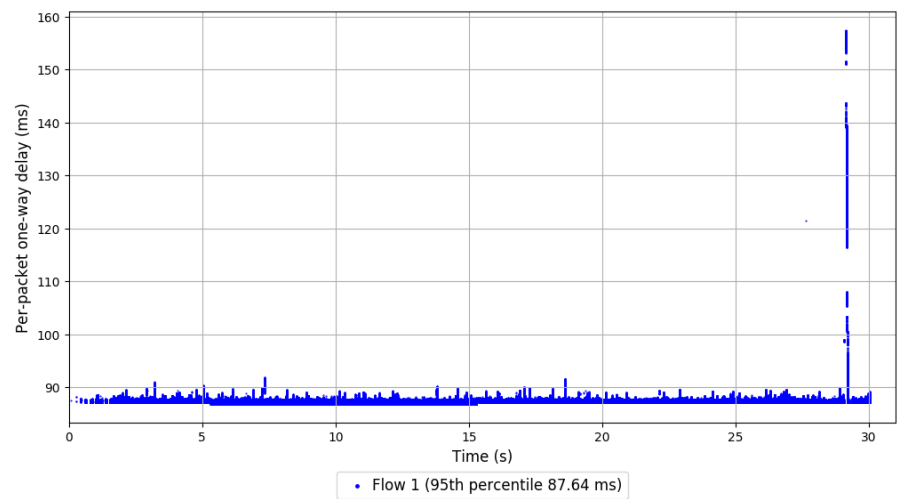
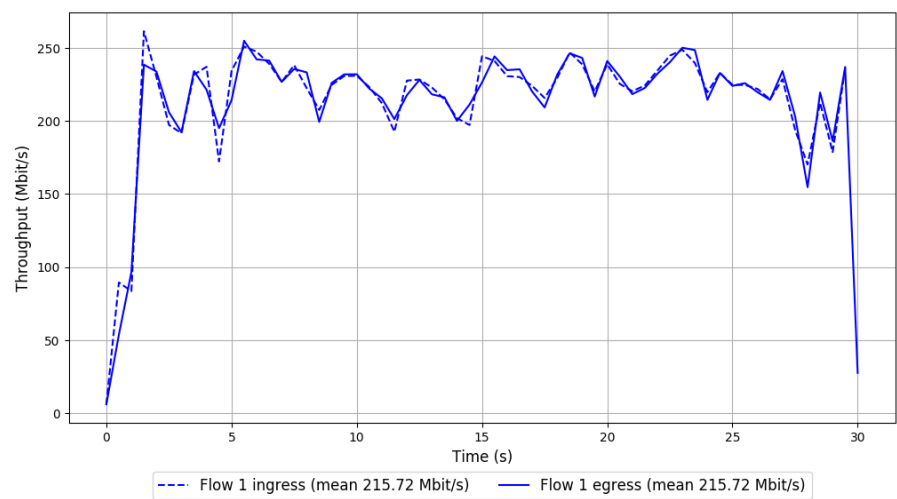
-- Flow 1:

Average throughput: 215.72 Mbit/s

95th percentile per-packet one-way delay: 87.636 ms

Loss rate: 0.00%

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

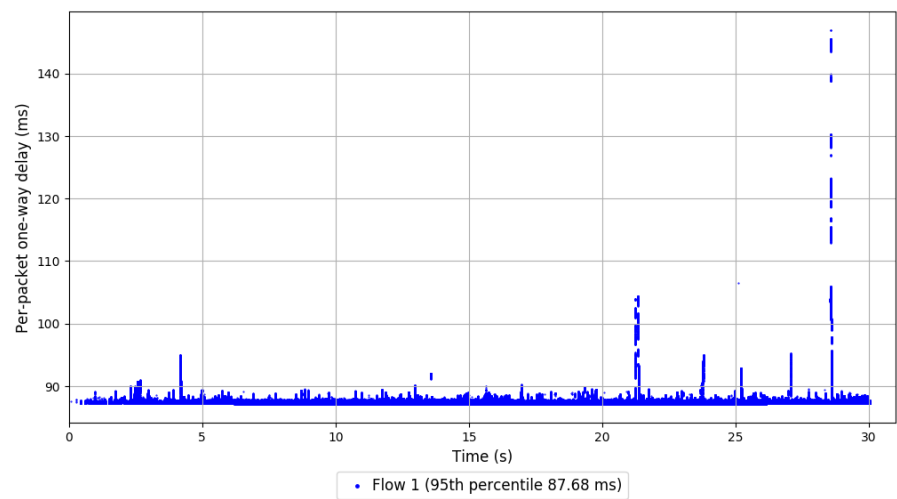
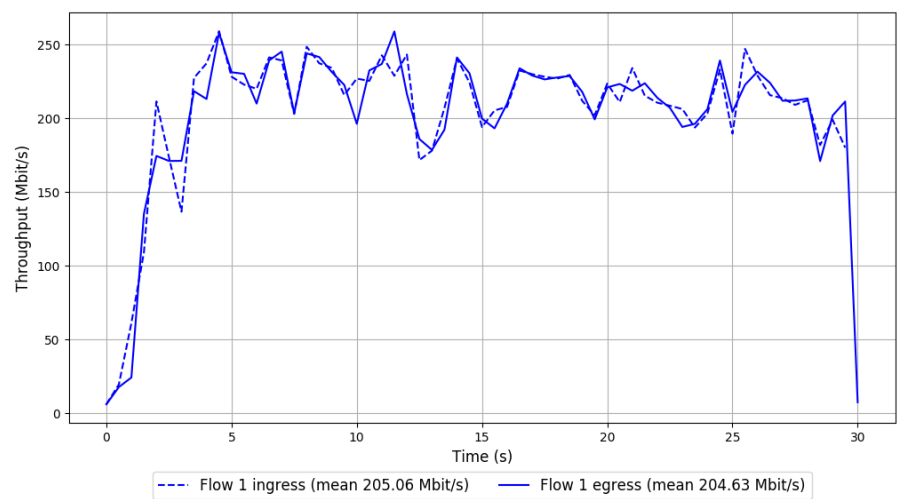


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-01-30 15:34:17
End at: 2018-01-30 15:34:47

# Below is generated by plot.py at 2018-01-30 17:15:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 204.63 Mbit/s
95th percentile per-packet one-way delay: 87.680 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 204.63 Mbit/s
95th percentile per-packet one-way delay: 87.680 ms
Loss rate: 0.21%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-01-30 13:24:44

End at: 2018-01-30 13:25:14

Below is generated by plot.py at 2018-01-30 17:15:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.13 Mbit/s

95th percentile per-packet one-way delay: 95.413 ms

Loss rate: 0.94%

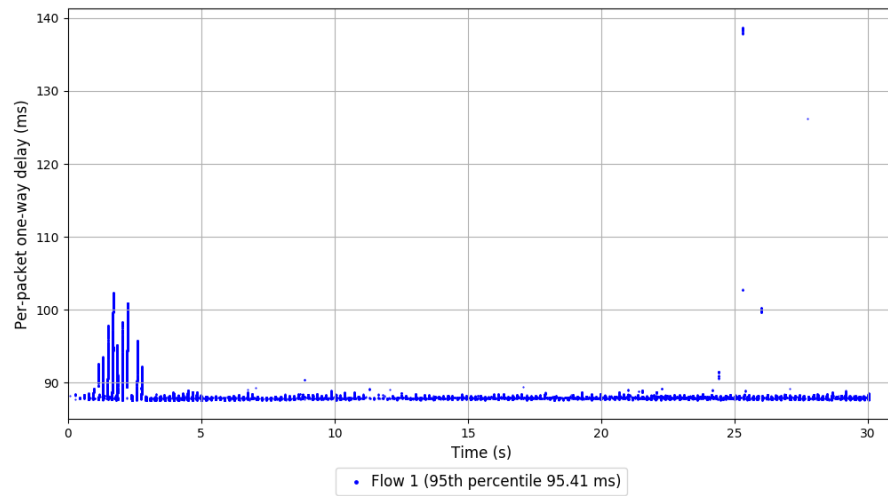
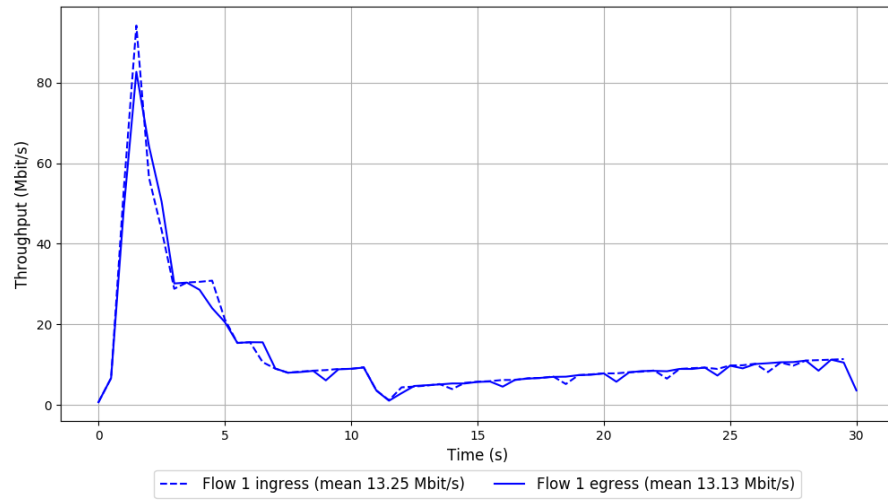
-- Flow 1:

Average throughput: 13.13 Mbit/s

95th percentile per-packet one-way delay: 95.413 ms

Loss rate: 0.94%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-01-30 13:39:09

End at: 2018-01-30 13:39:39

Below is generated by plot.py at 2018-01-30 17:15:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.10 Mbit/s

95th percentile per-packet one-way delay: 88.995 ms

Loss rate: 1.02%

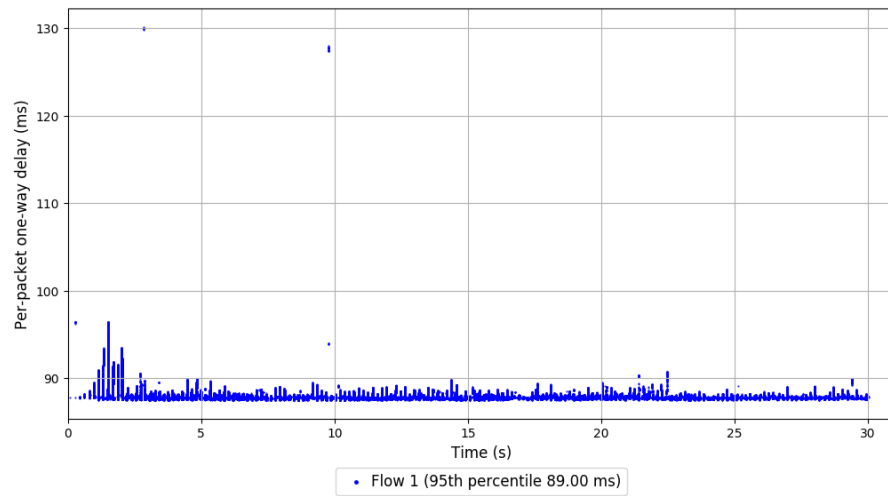
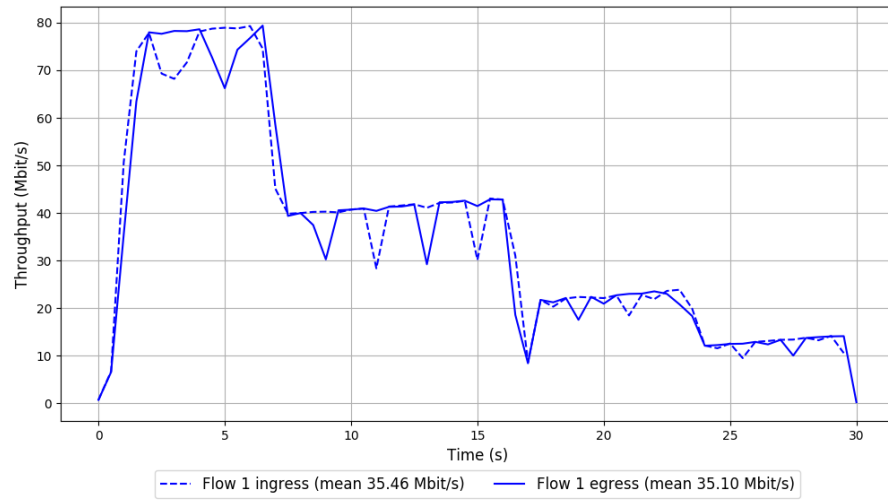
-- Flow 1:

Average throughput: 35.10 Mbit/s

95th percentile per-packet one-way delay: 88.995 ms

Loss rate: 1.02%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-01-30 13:53:51

End at: 2018-01-30 13:54:21

Below is generated by plot.py at 2018-01-30 17:15:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.87 Mbit/s

95th percentile per-packet one-way delay: 88.946 ms

Loss rate: 0.38%

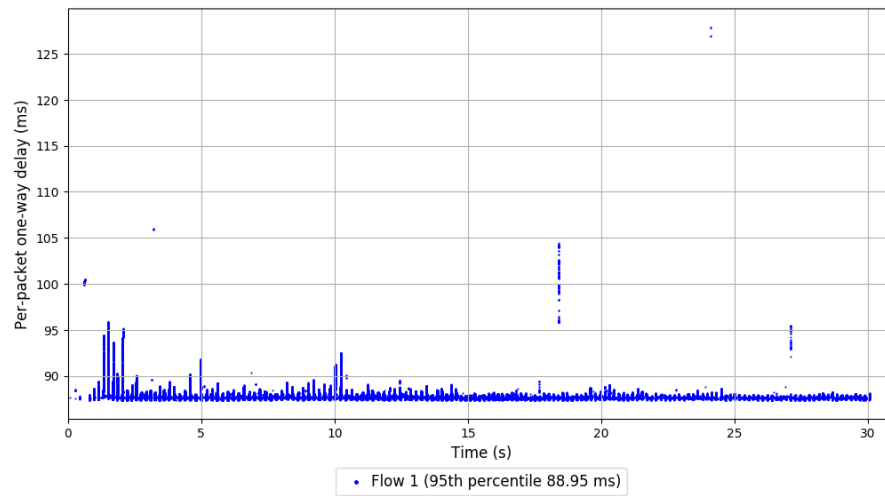
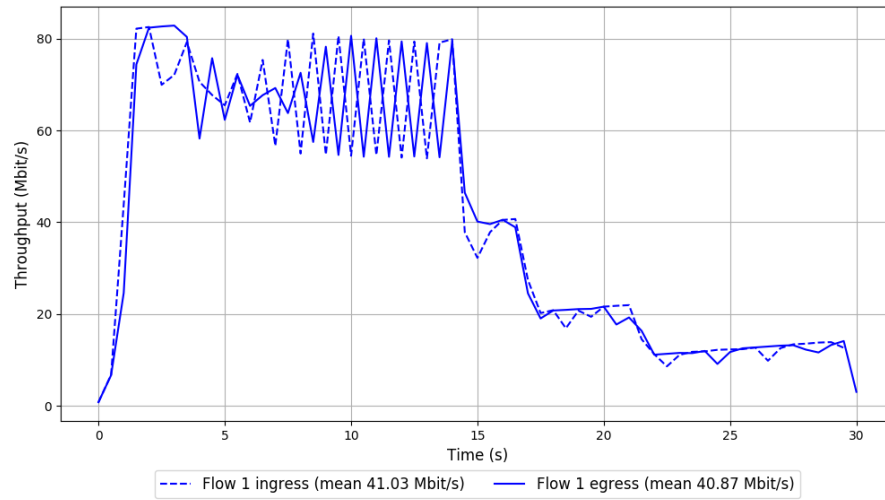
-- Flow 1:

Average throughput: 40.87 Mbit/s

95th percentile per-packet one-way delay: 88.946 ms

Loss rate: 0.38%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-01-30 14:08:10

End at: 2018-01-30 14:08:40

Below is generated by plot.py at 2018-01-30 17:15:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.94 Mbit/s

95th percentile per-packet one-way delay: 88.810 ms

Loss rate: 0.73%

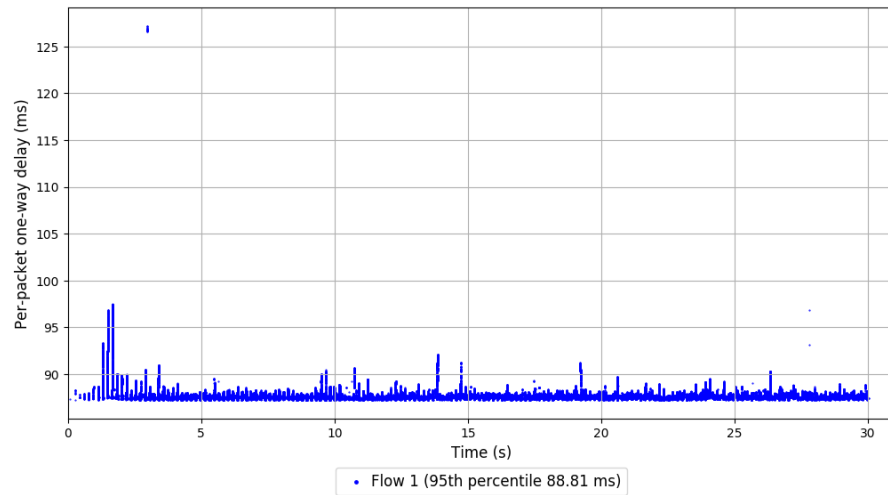
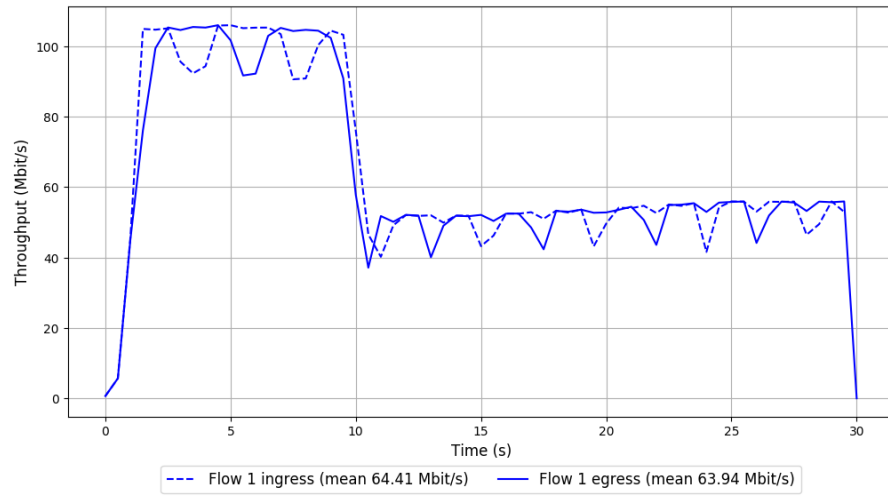
-- Flow 1:

Average throughput: 63.94 Mbit/s

95th percentile per-packet one-way delay: 88.810 ms

Loss rate: 0.73%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-01-30 14:22:50

End at: 2018-01-30 14:23:20

Below is generated by plot.py at 2018-01-30 17:15:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.49 Mbit/s

95th percentile per-packet one-way delay: 88.255 ms

Loss rate: 1.94%

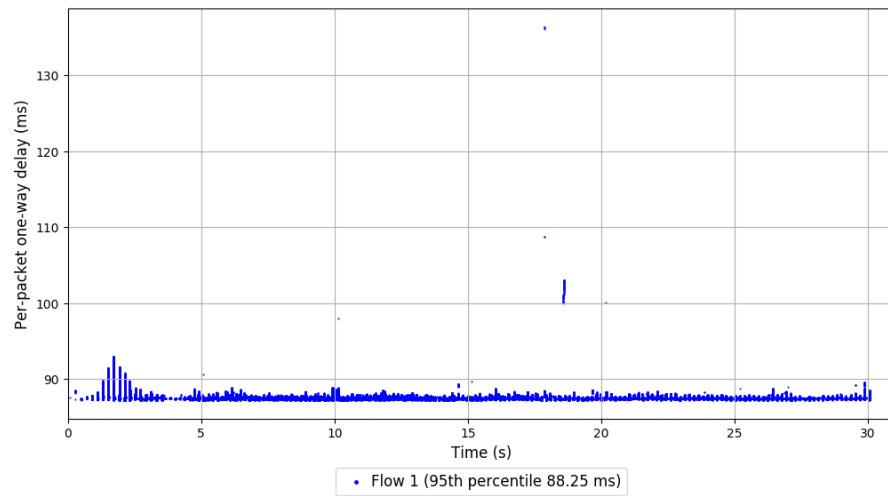
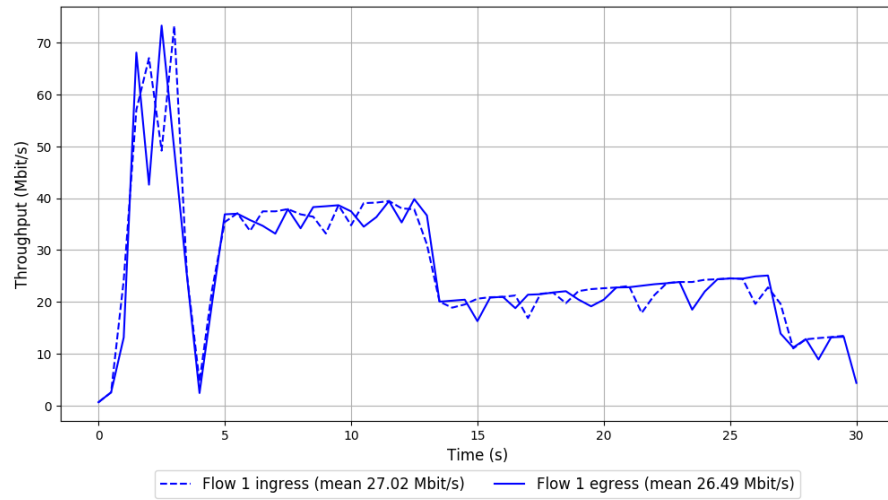
-- Flow 1:

Average throughput: 26.49 Mbit/s

95th percentile per-packet one-way delay: 88.255 ms

Loss rate: 1.94%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-01-30 14:37:18

End at: 2018-01-30 14:37:48

Below is generated by plot.py at 2018-01-30 17:15:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 25.17 Mbit/s

95th percentile per-packet one-way delay: 89.565 ms

Loss rate: 0.05%

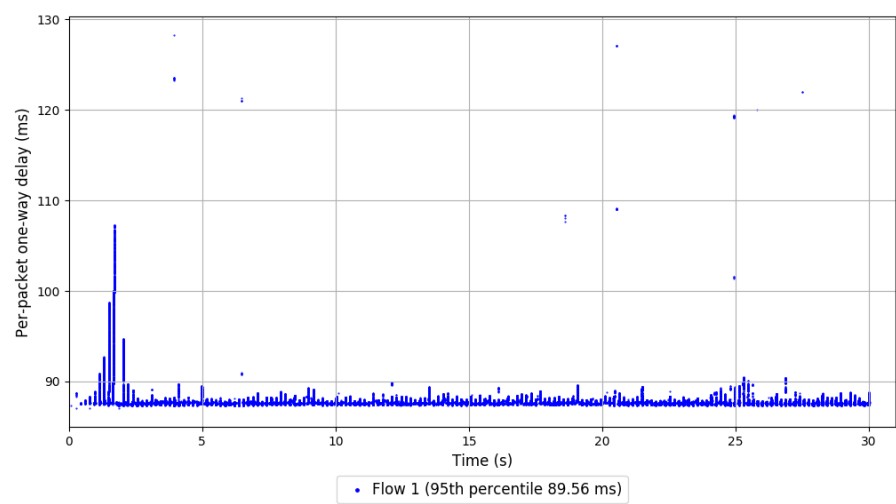
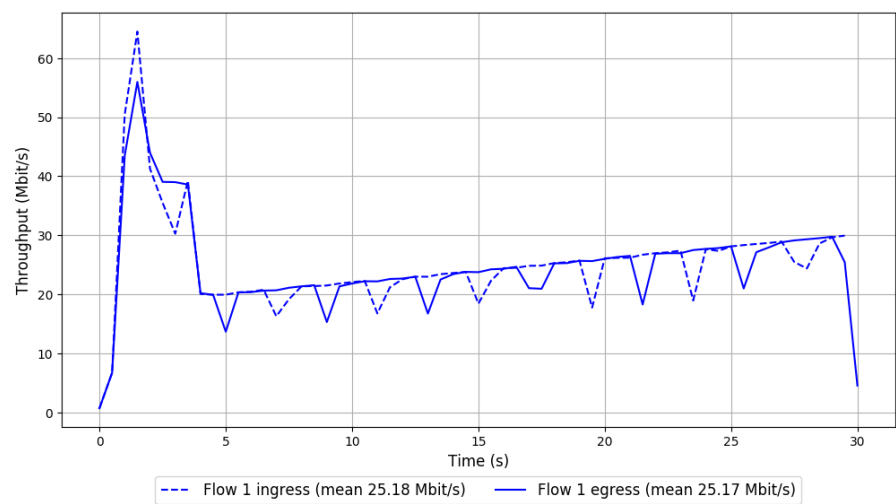
-- Flow 1:

Average throughput: 25.17 Mbit/s

95th percentile per-packet one-way delay: 89.565 ms

Loss rate: 0.05%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-01-30 14:51:49

End at: 2018-01-30 14:52:19

Below is generated by plot.py at 2018-01-30 17:15:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.64 Mbit/s

95th percentile per-packet one-way delay: 88.360 ms

Loss rate: 3.35%

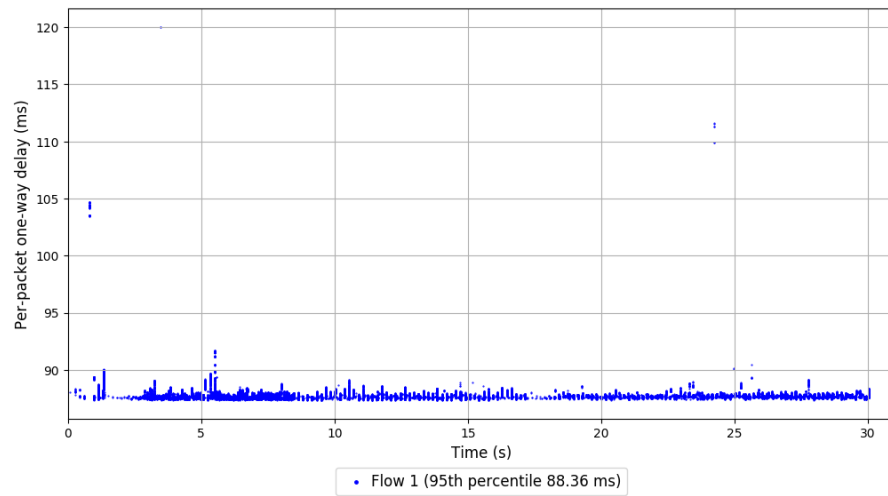
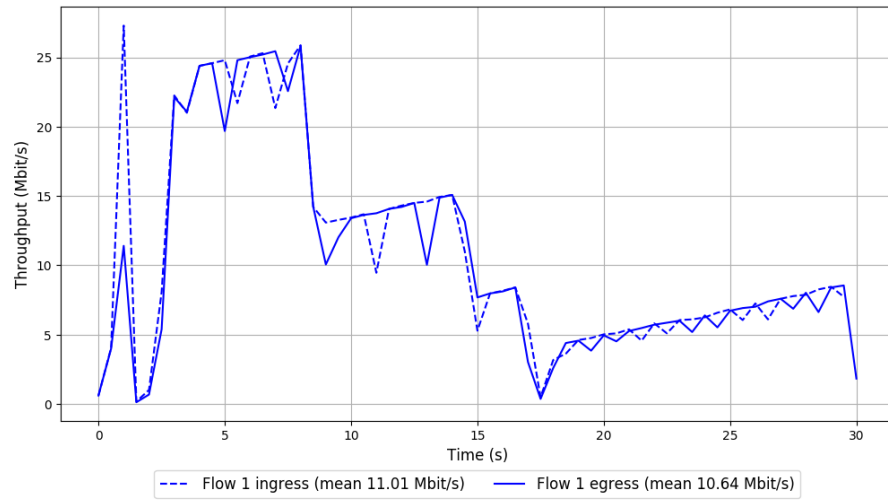
-- Flow 1:

Average throughput: 10.64 Mbit/s

95th percentile per-packet one-way delay: 88.360 ms

Loss rate: 3.35%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-01-30 15:06:22

End at: 2018-01-30 15:06:52

Below is generated by plot.py at 2018-01-30 17:15:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.00 Mbit/s

95th percentile per-packet one-way delay: 123.410 ms

Loss rate: 0.87%

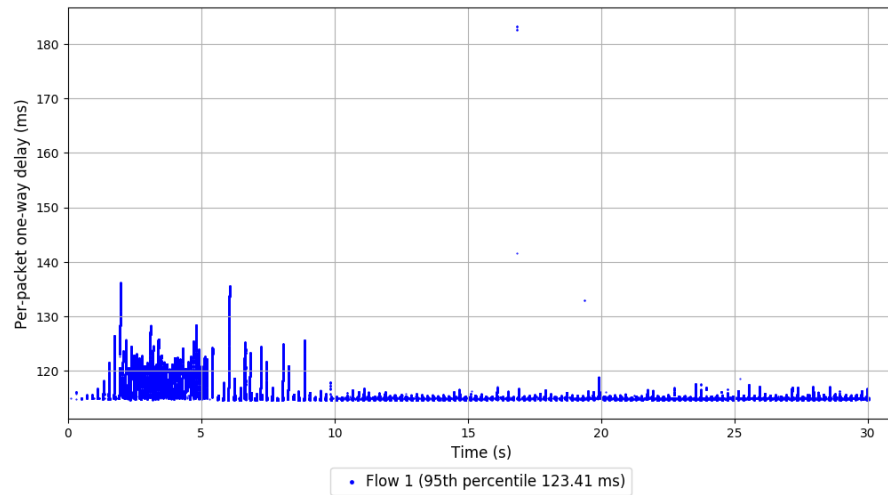
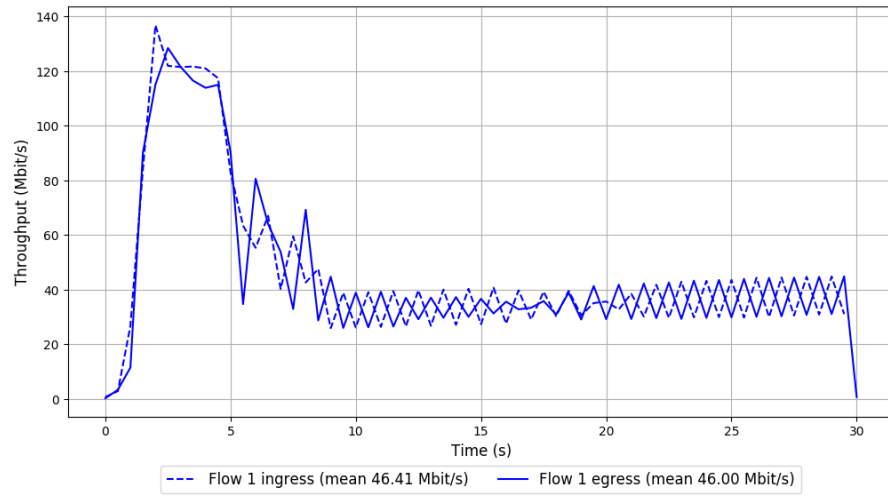
-- Flow 1:

Average throughput: 46.00 Mbit/s

95th percentile per-packet one-way delay: 123.410 ms

Loss rate: 0.87%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-01-30 15:20:59

End at: 2018-01-30 15:21:29

Below is generated by plot.py at 2018-01-30 17:15:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.19 Mbit/s

95th percentile per-packet one-way delay: 88.555 ms

Loss rate: 1.90%

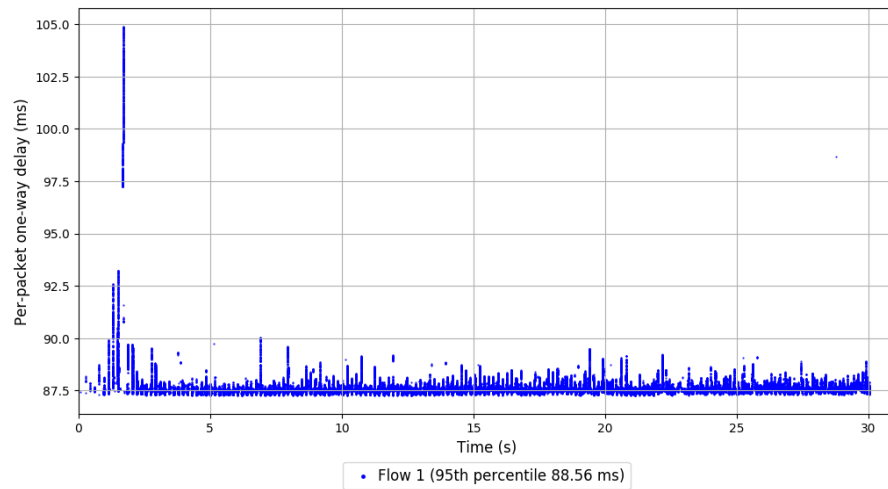
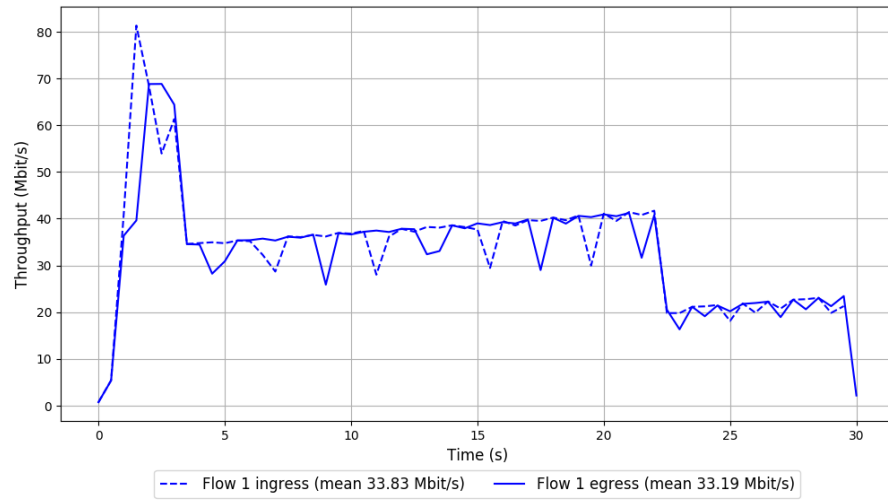
-- Flow 1:

Average throughput: 33.19 Mbit/s

95th percentile per-packet one-way delay: 88.555 ms

Loss rate: 1.90%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-01-30 15:35:19

End at: 2018-01-30 15:35:49

Below is generated by plot.py at 2018-01-30 17:15:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.65 Mbit/s

95th percentile per-packet one-way delay: 88.532 ms

Loss rate: 0.00%

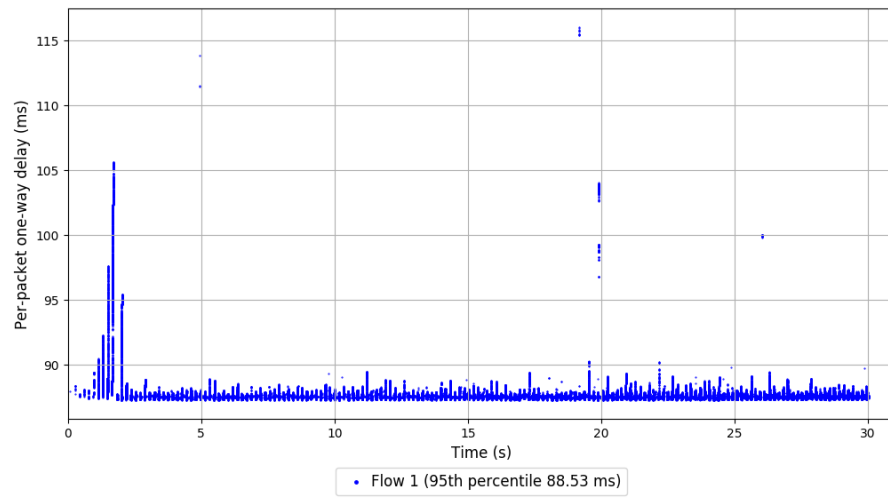
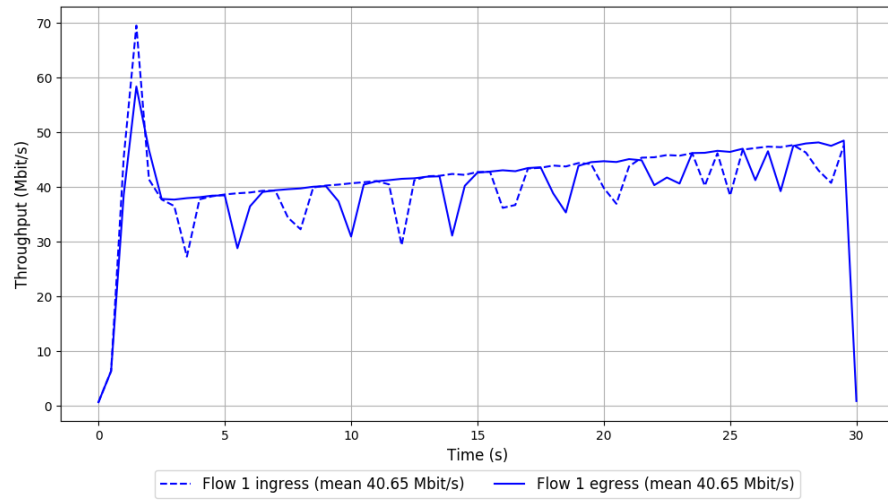
-- Flow 1:

Average throughput: 40.65 Mbit/s

95th percentile per-packet one-way delay: 88.532 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-01-30 13:30:52

End at: 2018-01-30 13:31:22

Below is generated by plot.py at 2018-01-30 17:15:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 195.31 Mbit/s

95th percentile per-packet one-way delay: 184.098 ms

Loss rate: 0.42%

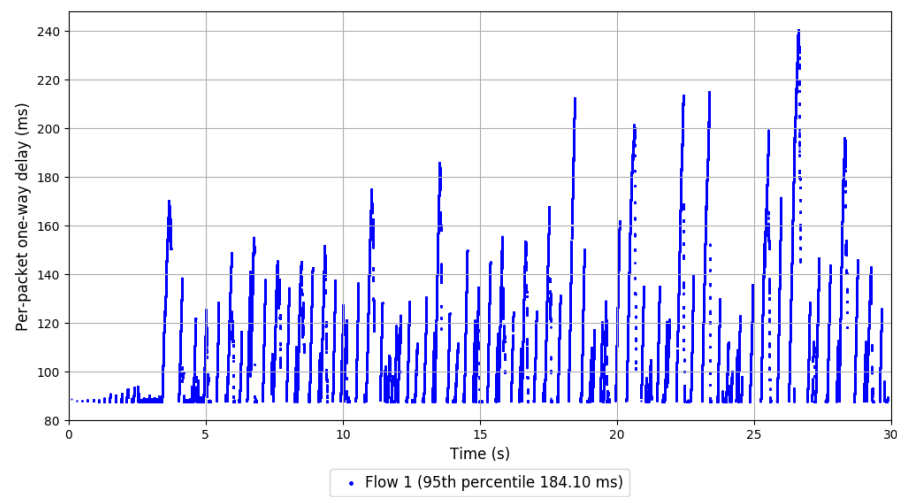
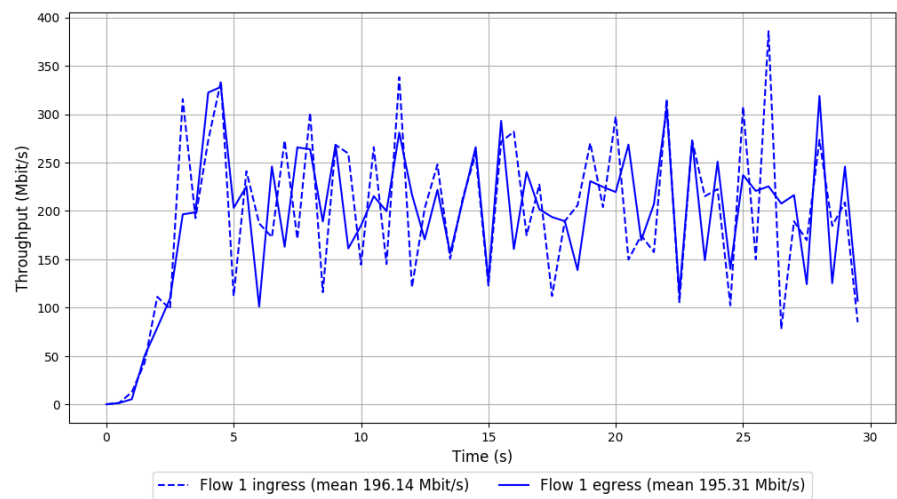
-- Flow 1:

Average throughput: 195.31 Mbit/s

95th percentile per-packet one-way delay: 184.098 ms

Loss rate: 0.42%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-01-30 13:45:25

End at: 2018-01-30 13:45:55

Below is generated by plot.py at 2018-01-30 17:16:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 269.19 Mbit/s

95th percentile per-packet one-way delay: 234.030 ms

Loss rate: 1.30%

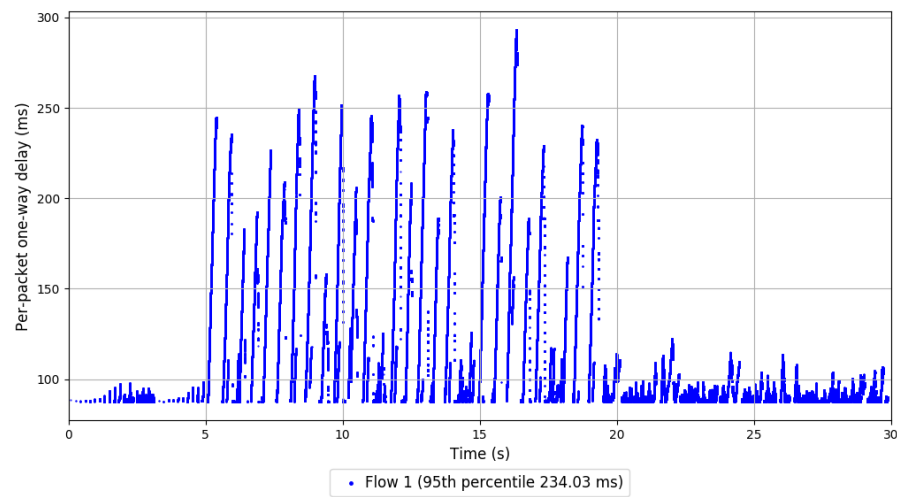
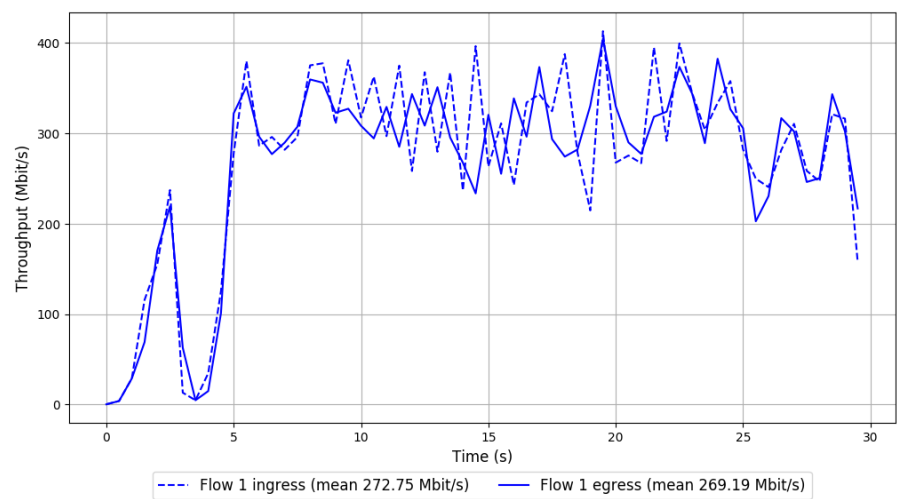
-- Flow 1:

Average throughput: 269.19 Mbit/s

95th percentile per-packet one-way delay: 234.030 ms

Loss rate: 1.30%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-01-30 14:00:07

End at: 2018-01-30 14:00:37

Below is generated by plot.py at 2018-01-30 17:16:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 237.05 Mbit/s

95th percentile per-packet one-way delay: 139.798 ms

Loss rate: 0.00%

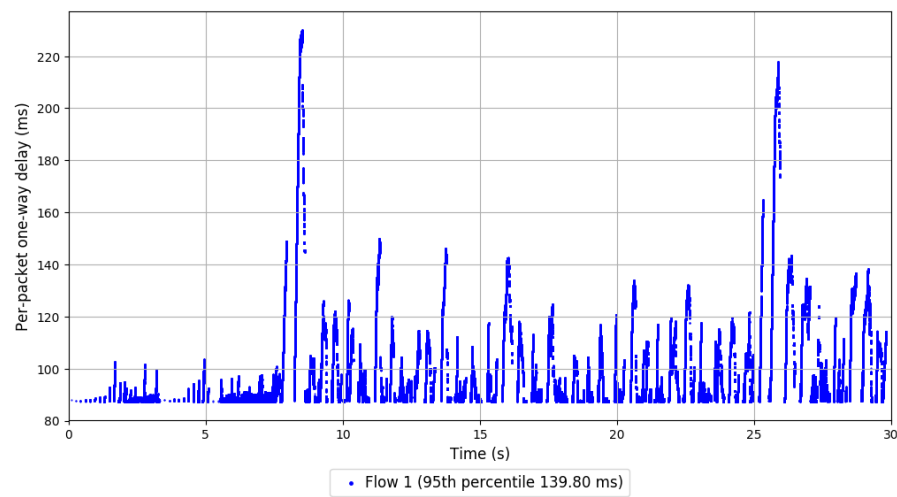
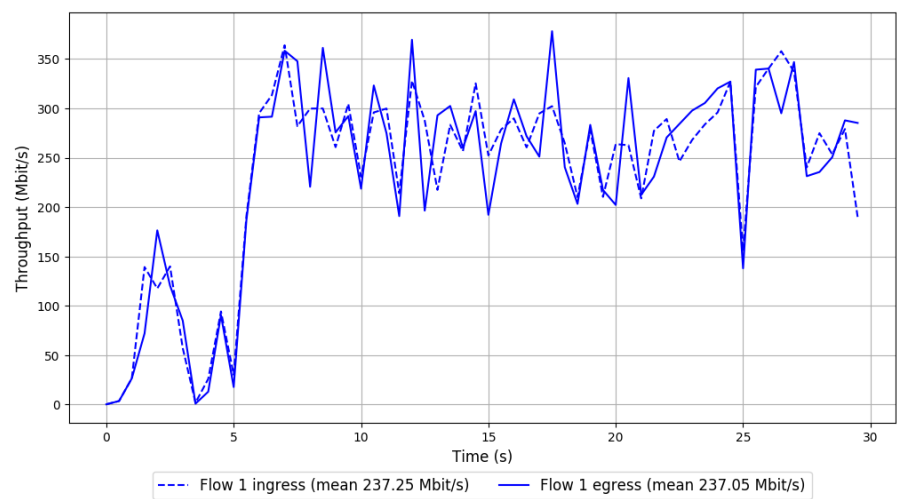
-- Flow 1:

Average throughput: 237.05 Mbit/s

95th percentile per-packet one-way delay: 139.798 ms

Loss rate: 0.00%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-01-30 14:14:26

End at: 2018-01-30 14:14:56

Below is generated by plot.py at 2018-01-30 17:16:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 239.80 Mbit/s

95th percentile per-packet one-way delay: 132.663 ms

Loss rate: 0.21%

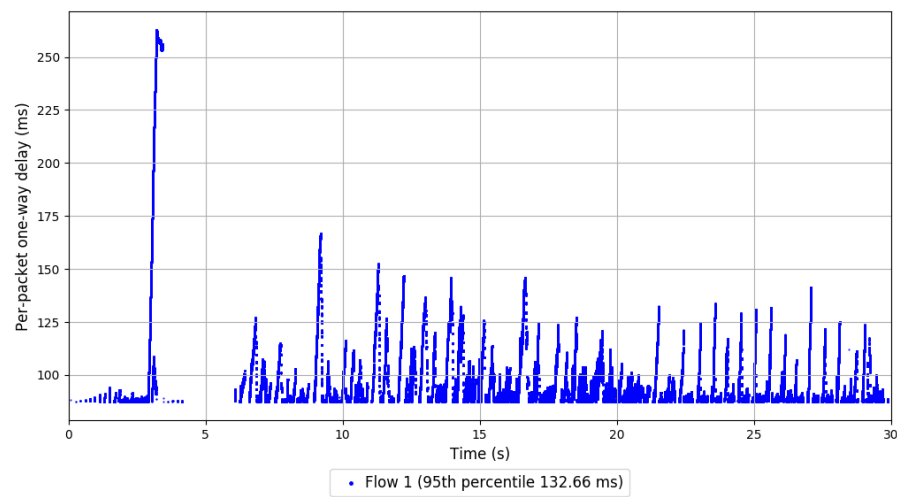
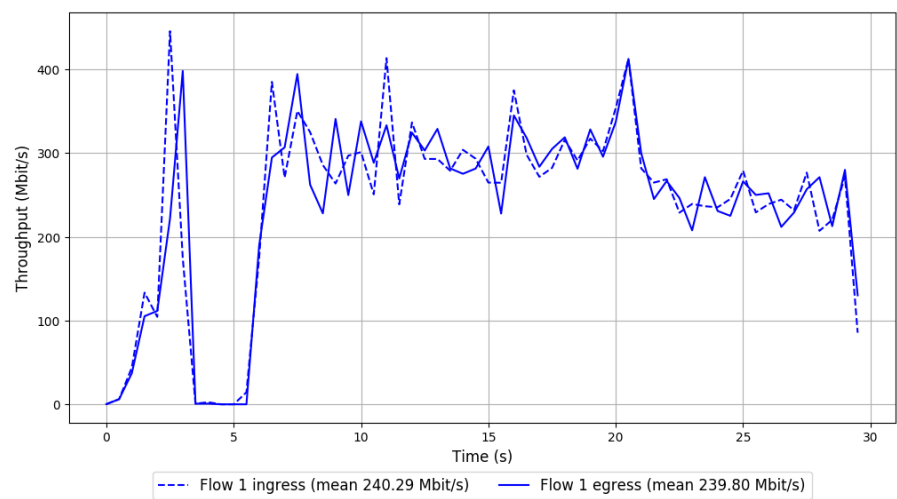
-- Flow 1:

Average throughput: 239.80 Mbit/s

95th percentile per-packet one-way delay: 132.663 ms

Loss rate: 0.21%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-01-30 14:29:00

End at: 2018-01-30 14:29:30

Below is generated by plot.py at 2018-01-30 17:16:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 182.42 Mbit/s

95th percentile per-packet one-way delay: 137.064 ms

Loss rate: 1.65%

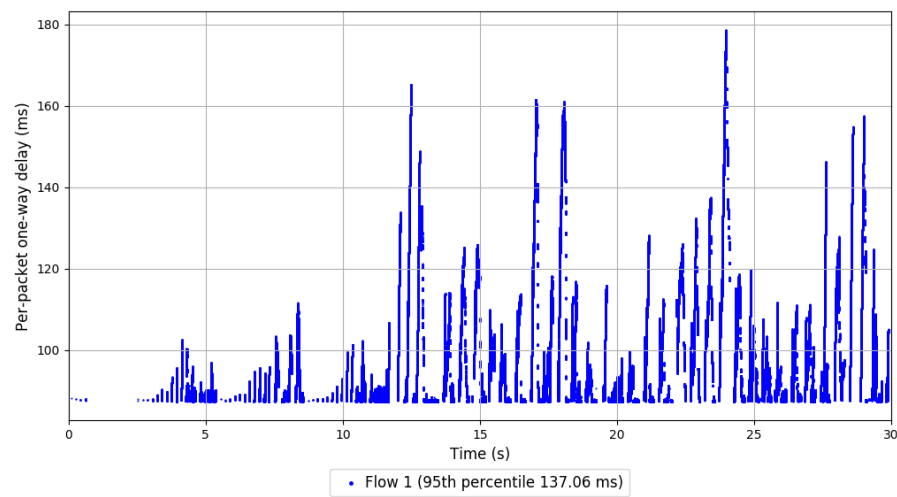
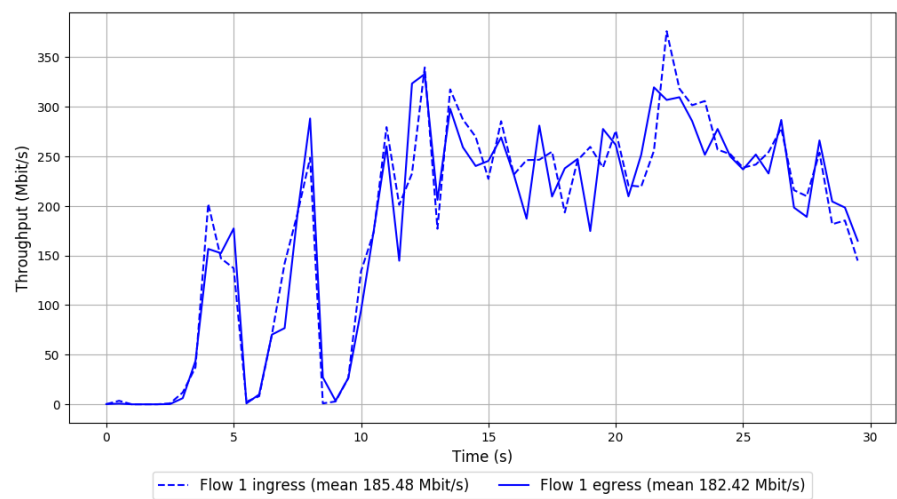
-- Flow 1:

Average throughput: 182.42 Mbit/s

95th percentile per-packet one-way delay: 137.064 ms

Loss rate: 1.65%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-01-30 14:43:33

End at: 2018-01-30 14:44:03

Below is generated by plot.py at 2018-01-30 17:16:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.97 Mbit/s

95th percentile per-packet one-way delay: 121.749 ms

Loss rate: 0.16%

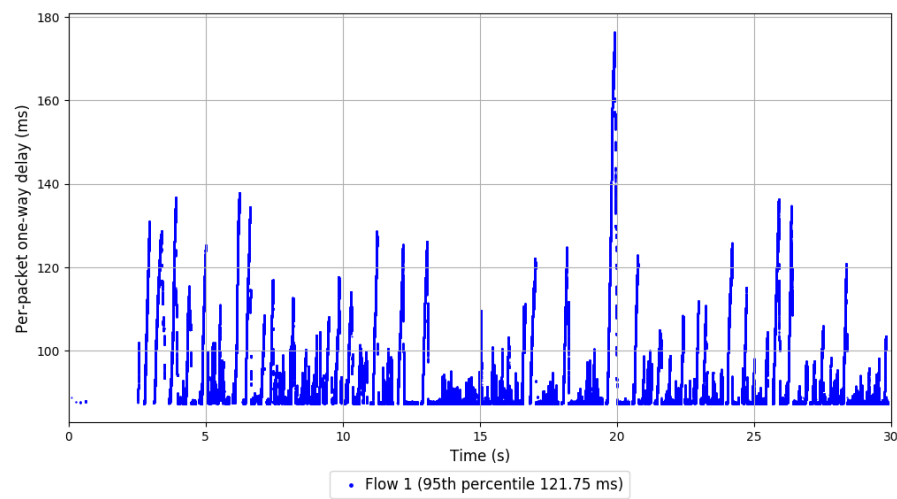
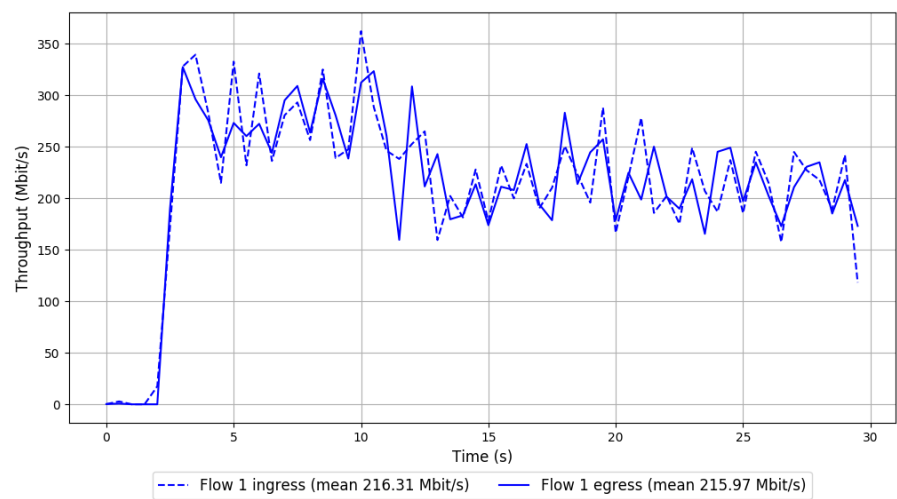
-- Flow 1:

Average throughput: 215.97 Mbit/s

95th percentile per-packet one-way delay: 121.749 ms

Loss rate: 0.16%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-01-30 14:58:03

End at: 2018-01-30 14:58:33

Below is generated by plot.py at 2018-01-30 17:19:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 248.23 Mbit/s

95th percentile per-packet one-way delay: 126.006 ms

Loss rate: 0.02%

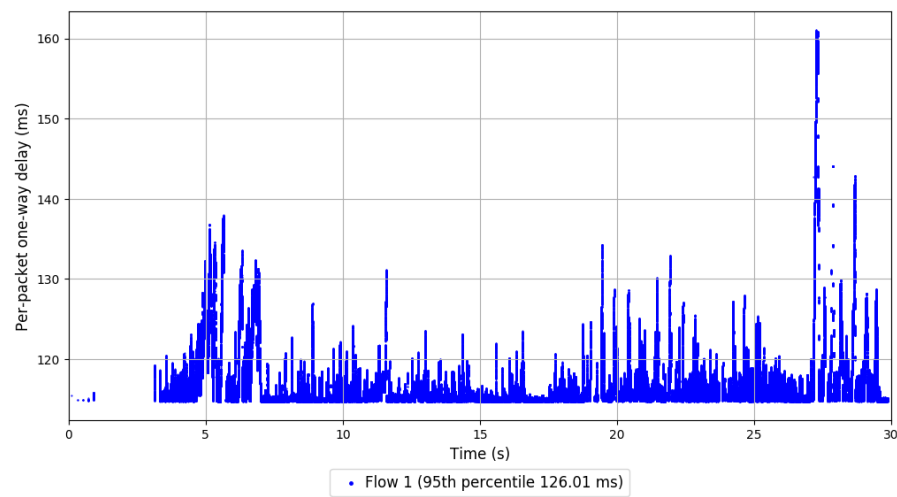
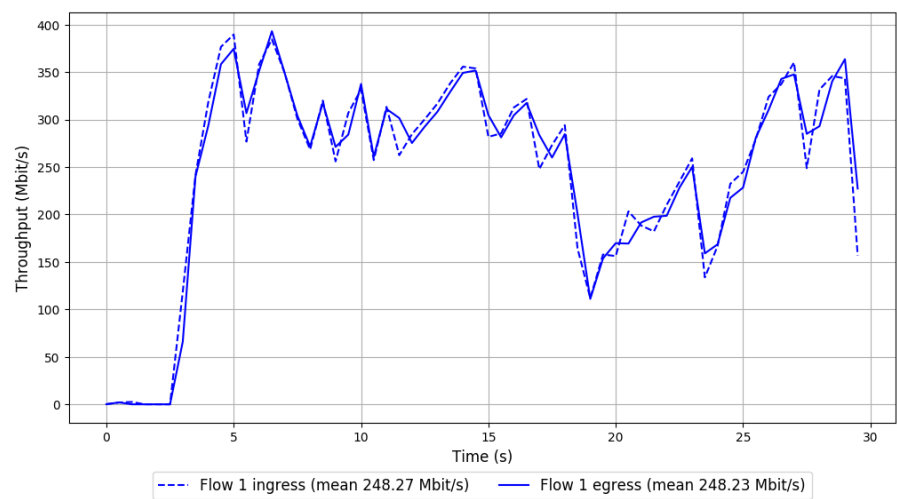
-- Flow 1:

Average throughput: 248.23 Mbit/s

95th percentile per-packet one-way delay: 126.006 ms

Loss rate: 0.02%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-01-30 15:12:41

End at: 2018-01-30 15:13:11

Below is generated by plot.py at 2018-01-30 17:19:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.32 Mbit/s

95th percentile per-packet one-way delay: 147.569 ms

Loss rate: 0.76%

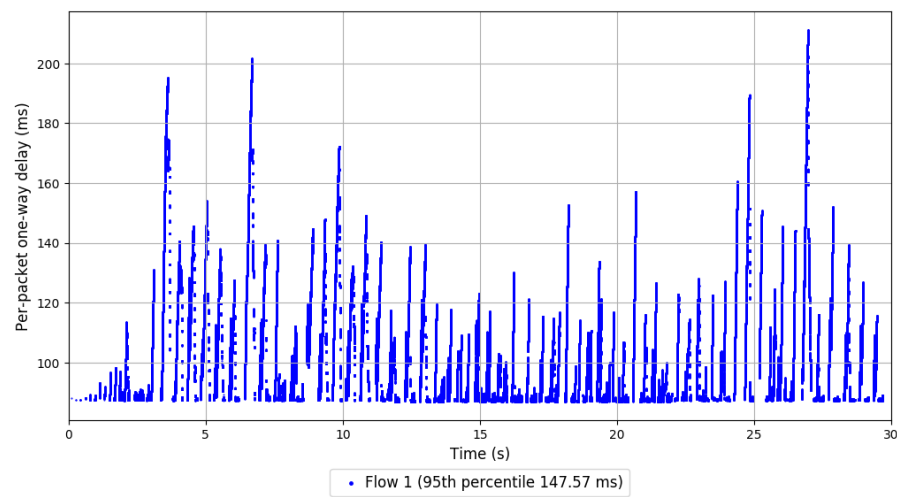
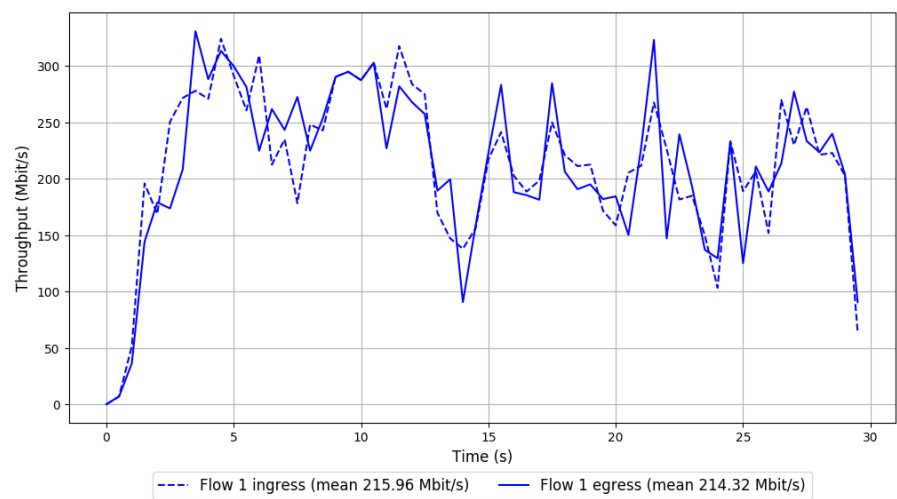
-- Flow 1:

Average throughput: 214.32 Mbit/s

95th percentile per-packet one-way delay: 147.569 ms

Loss rate: 0.76%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-01-30 15:27:12

End at: 2018-01-30 15:27:42

Below is generated by plot.py at 2018-01-30 17:19:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 129.75 Mbit/s

95th percentile per-packet one-way delay: 104.229 ms

Loss rate: 0.14%

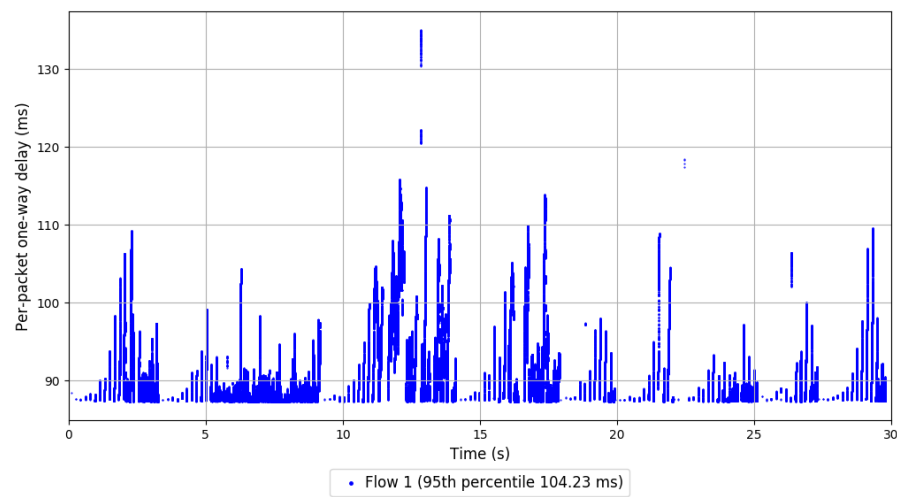
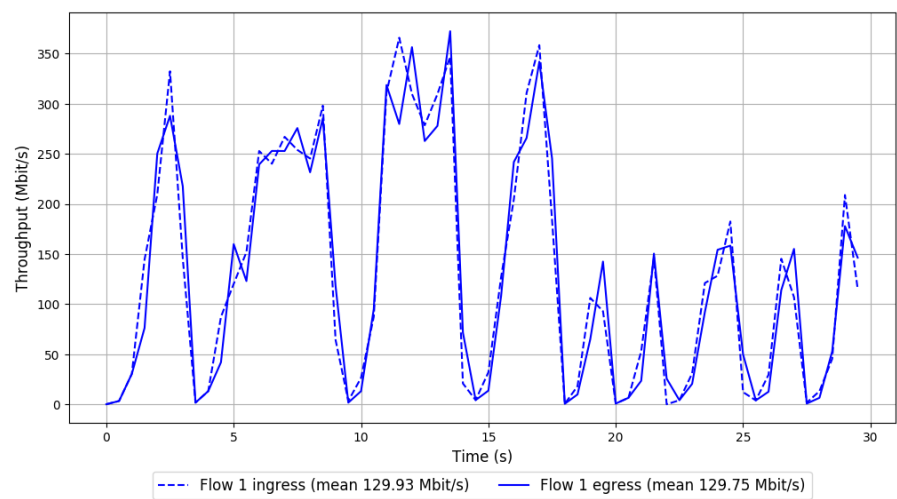
-- Flow 1:

Average throughput: 129.75 Mbit/s

95th percentile per-packet one-way delay: 104.229 ms

Loss rate: 0.14%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-01-30 15:41:33

End at: 2018-01-30 15:42:03

Below is generated by plot.py at 2018-01-30 17:19:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 138.05 Mbit/s

95th percentile per-packet one-way delay: 125.046 ms

Loss rate: 0.78%

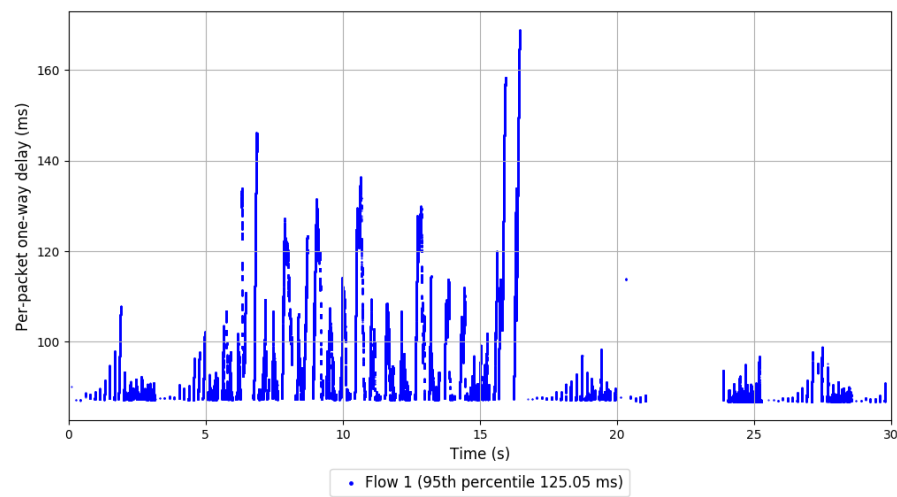
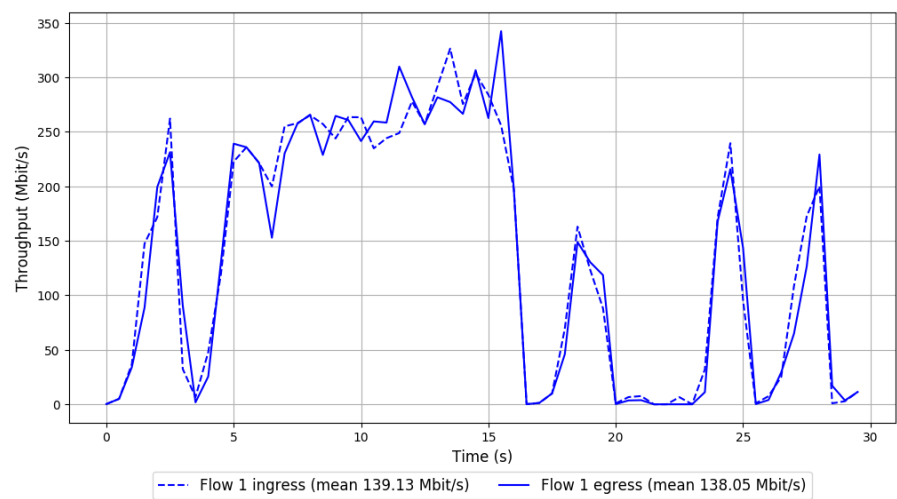
-- Flow 1:

Average throughput: 138.05 Mbit/s

95th percentile per-packet one-way delay: 125.046 ms

Loss rate: 0.78%

Run 10: Report of Verus — Data Link

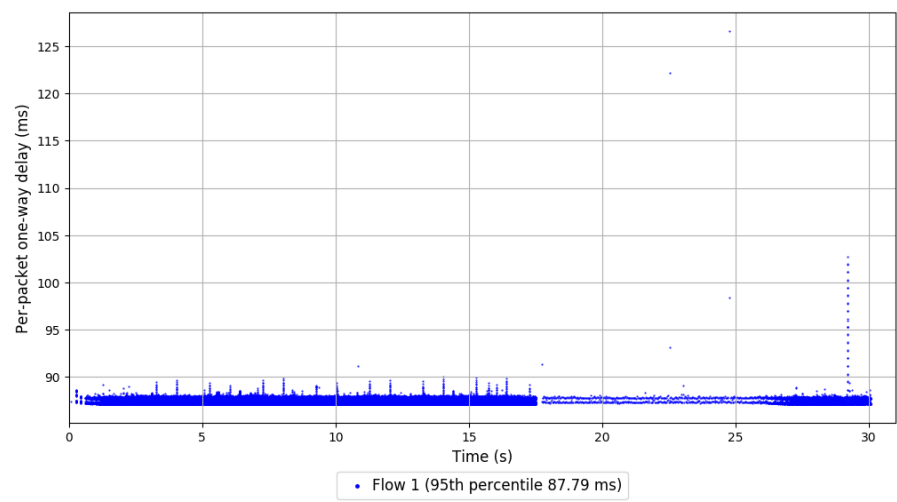
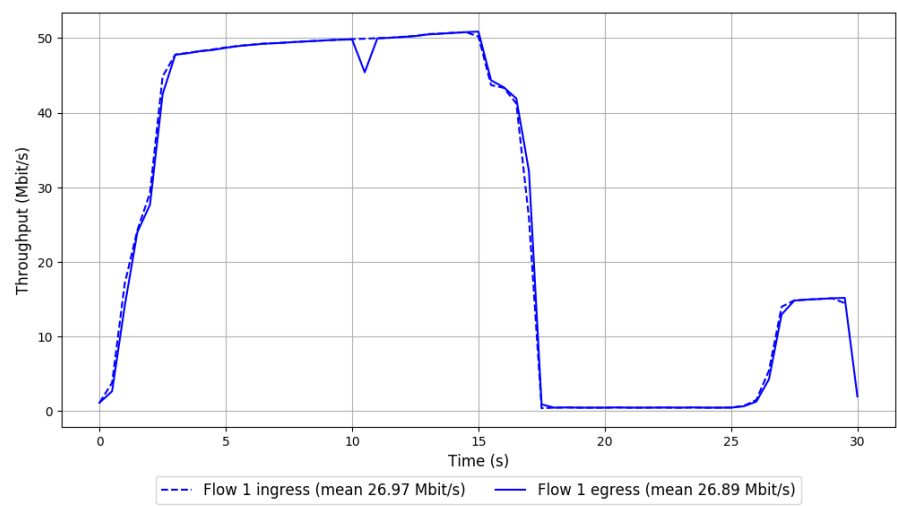


```
Run 1: Statistics of Copa

Start at: 2018-01-30 13:30:09
End at: 2018-01-30 13:30:39

# Below is generated by plot.py at 2018-01-30 17:19:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.89 Mbit/s
95th percentile per-packet one-way delay: 87.789 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 26.89 Mbit/s
95th percentile per-packet one-way delay: 87.789 ms
Loss rate: 0.28%
```

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-01-30 13:44:41

End at: 2018-01-30 13:45:11

Below is generated by plot.py at 2018-01-30 17:19:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.20 Mbit/s

95th percentile per-packet one-way delay: 87.740 ms

Loss rate: 0.00%

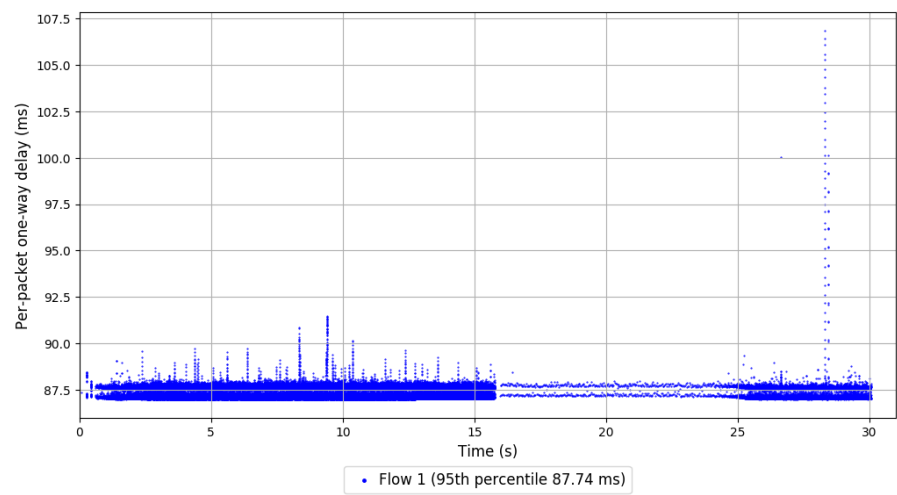
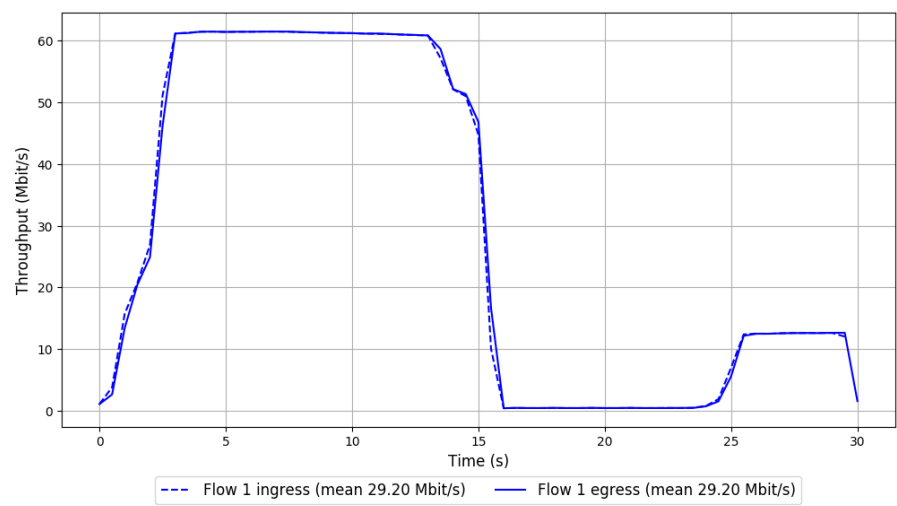
-- Flow 1:

Average throughput: 29.20 Mbit/s

95th percentile per-packet one-way delay: 87.740 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-01-30 13:59:23

End at: 2018-01-30 13:59:53

Below is generated by plot.py at 2018-01-30 17:19:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.11 Mbit/s

95th percentile per-packet one-way delay: 87.589 ms

Loss rate: 0.12%

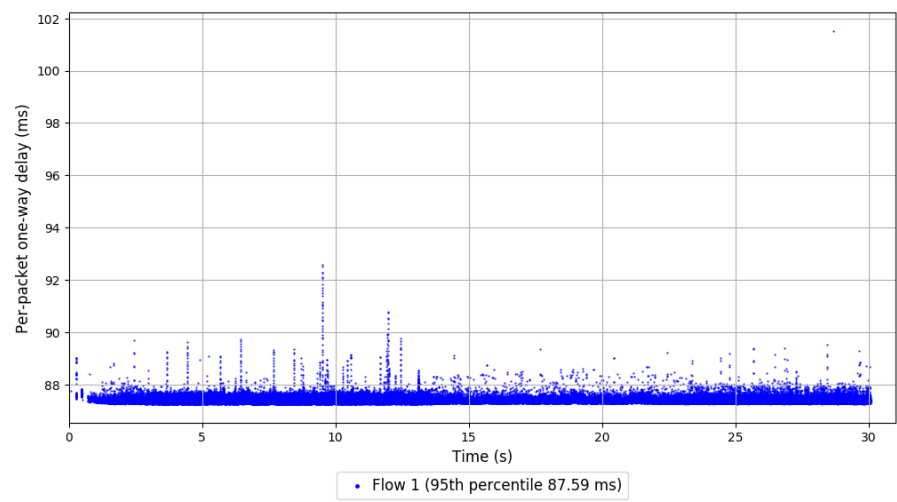
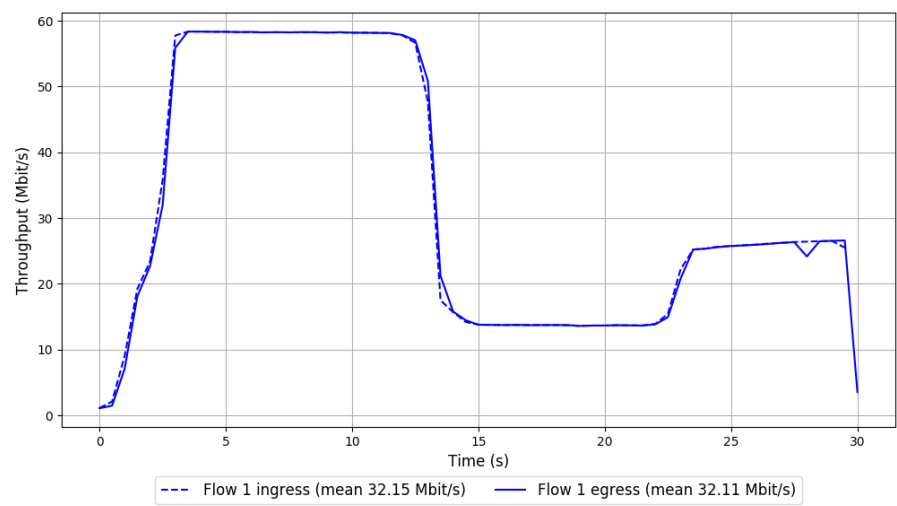
-- Flow 1:

Average throughput: 32.11 Mbit/s

95th percentile per-packet one-way delay: 87.589 ms

Loss rate: 0.12%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-01-30 14:13:43

End at: 2018-01-30 14:14:13

Below is generated by plot.py at 2018-01-30 17:19:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 25.10 Mbit/s

95th percentile per-packet one-way delay: 87.858 ms

Loss rate: 0.00%

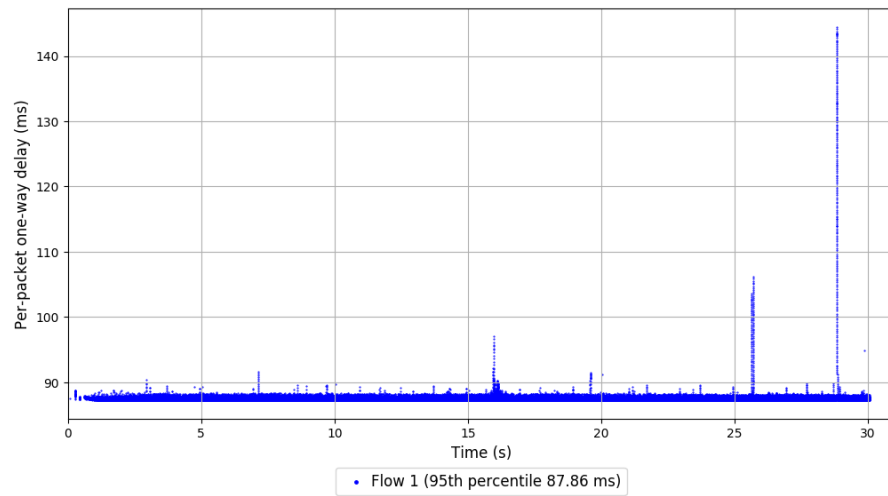
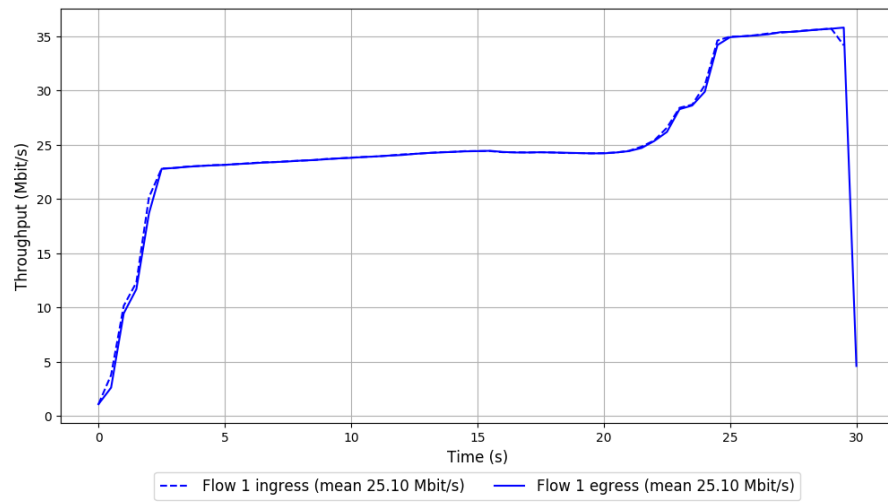
-- Flow 1:

Average throughput: 25.10 Mbit/s

95th percentile per-packet one-way delay: 87.858 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-01-30 14:28:16

End at: 2018-01-30 14:28:46

Below is generated by plot.py at 2018-01-30 17:19:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 37.52 Mbit/s

95th percentile per-packet one-way delay: 87.724 ms

Loss rate: 0.00%

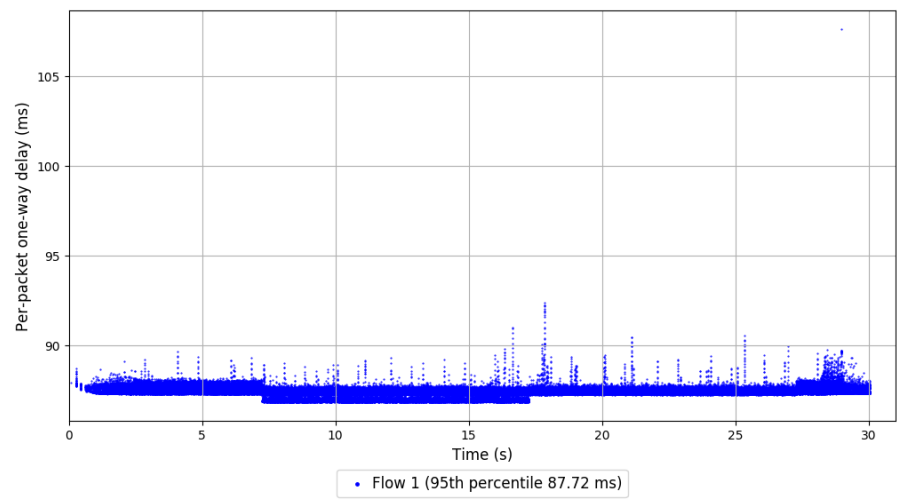
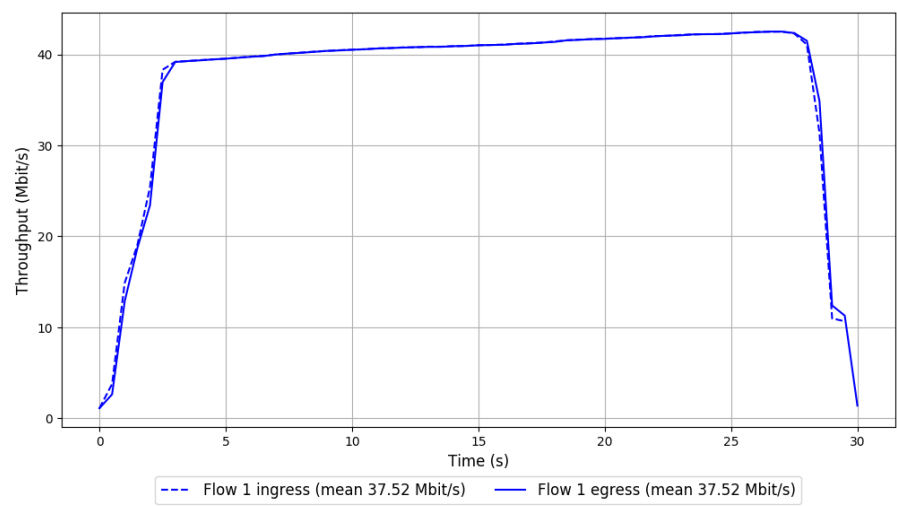
-- Flow 1:

Average throughput: 37.52 Mbit/s

95th percentile per-packet one-way delay: 87.724 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-01-30 14:42:51

End at: 2018-01-30 14:43:21

Below is generated by plot.py at 2018-01-30 17:19:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.53 Mbit/s

95th percentile per-packet one-way delay: 87.686 ms

Loss rate: 0.00%

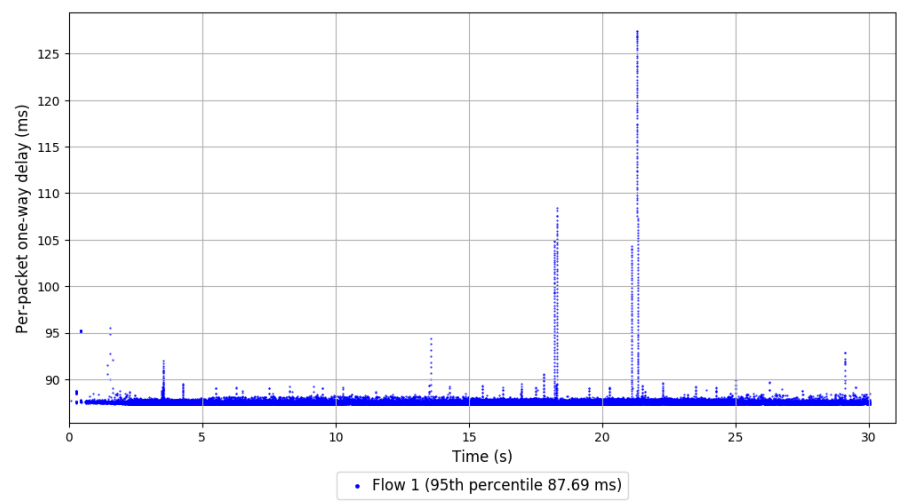
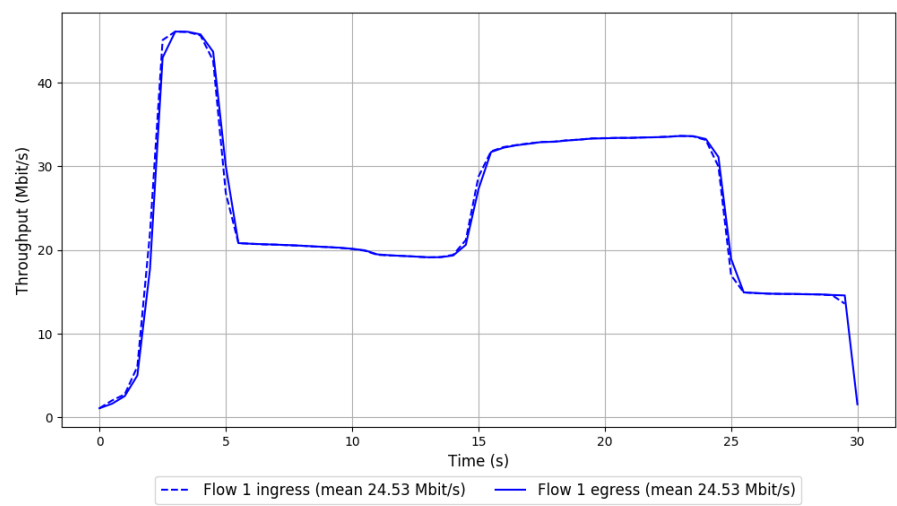
-- Flow 1:

Average throughput: 24.53 Mbit/s

95th percentile per-packet one-way delay: 87.686 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-01-30 14:57:18

End at: 2018-01-30 14:57:48

Below is generated by plot.py at 2018-01-30 17:19:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.94 Mbit/s

95th percentile per-packet one-way delay: 115.211 ms

Loss rate: 0.00%

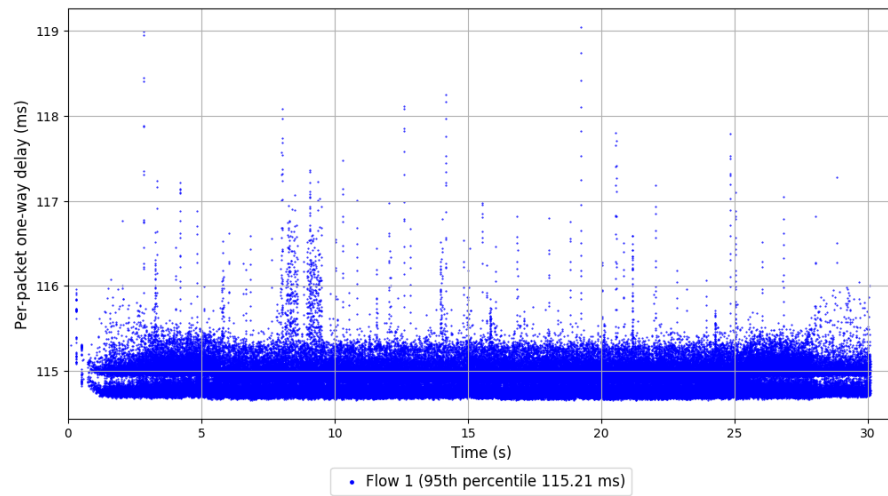
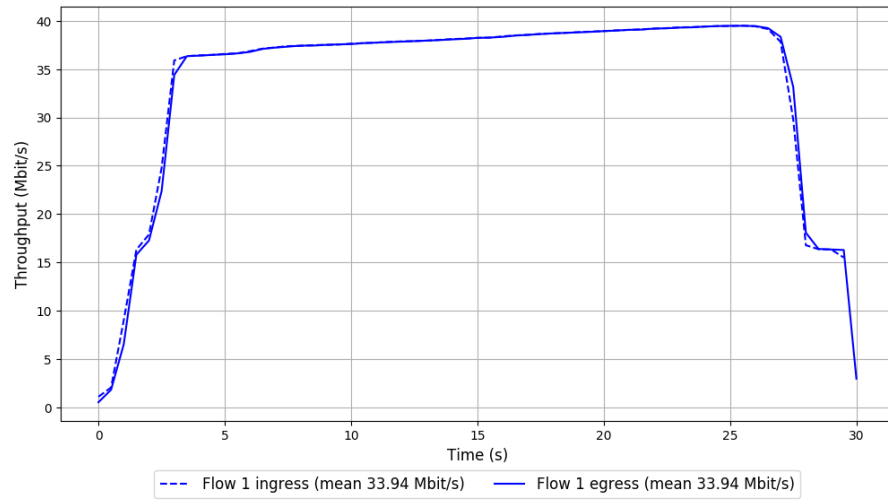
-- Flow 1:

Average throughput: 33.94 Mbit/s

95th percentile per-packet one-way delay: 115.211 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-01-30 15:11:56

End at: 2018-01-30 15:12:26

Below is generated by plot.py at 2018-01-30 17:19:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.24 Mbit/s

95th percentile per-packet one-way delay: 87.892 ms

Loss rate: 0.00%

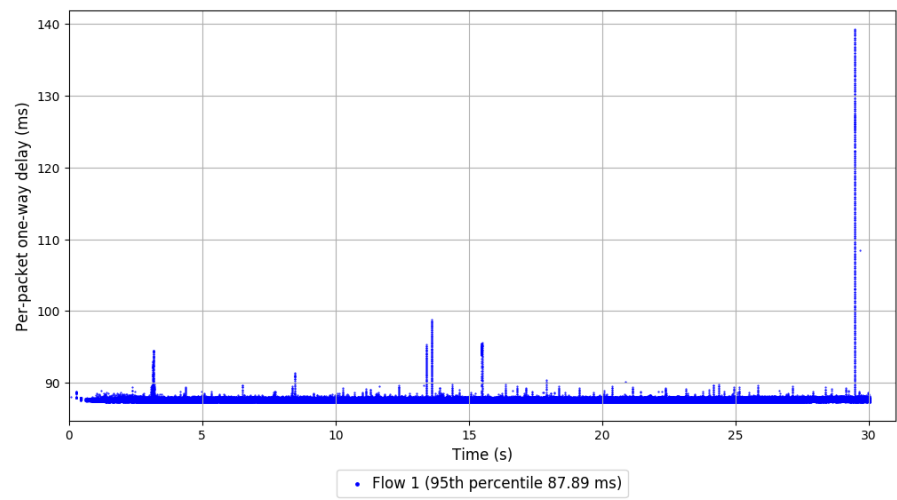
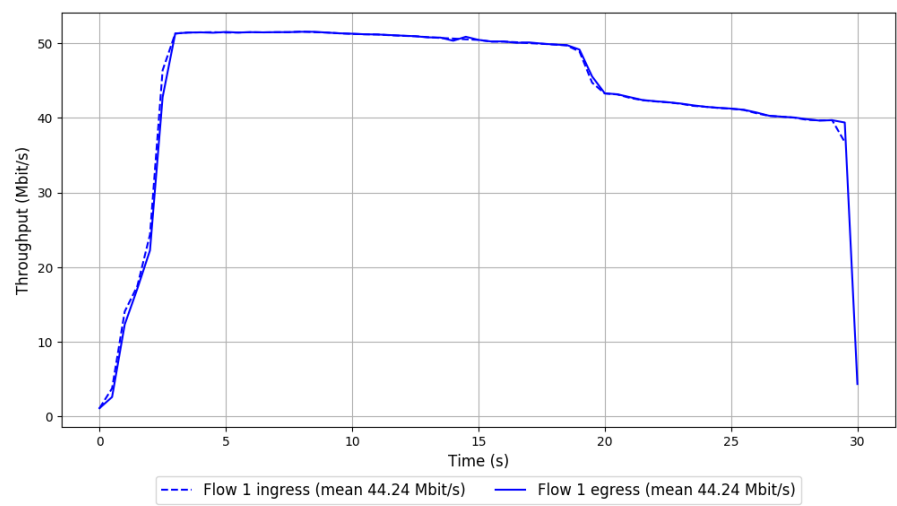
-- Flow 1:

Average throughput: 44.24 Mbit/s

95th percentile per-packet one-way delay: 87.892 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-01-30 15:26:30

End at: 2018-01-30 15:27:00

Below is generated by plot.py at 2018-01-30 17:19:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.23 Mbit/s

95th percentile per-packet one-way delay: 87.552 ms

Loss rate: 0.00%

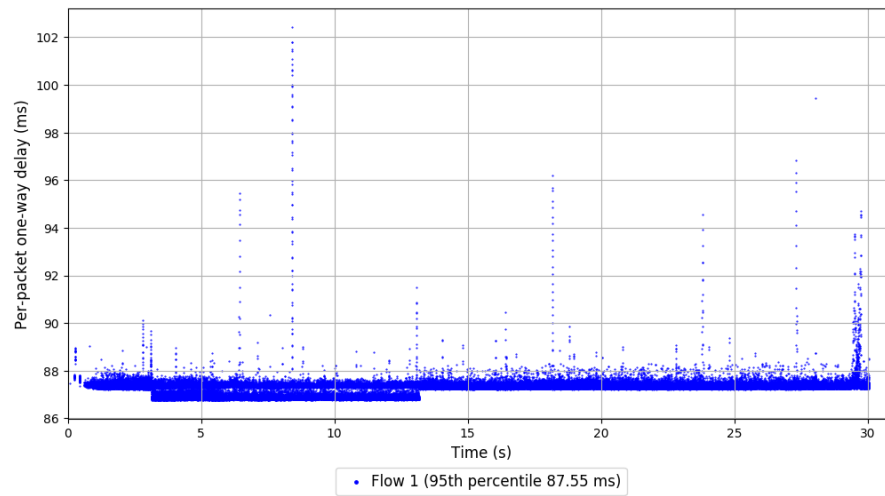
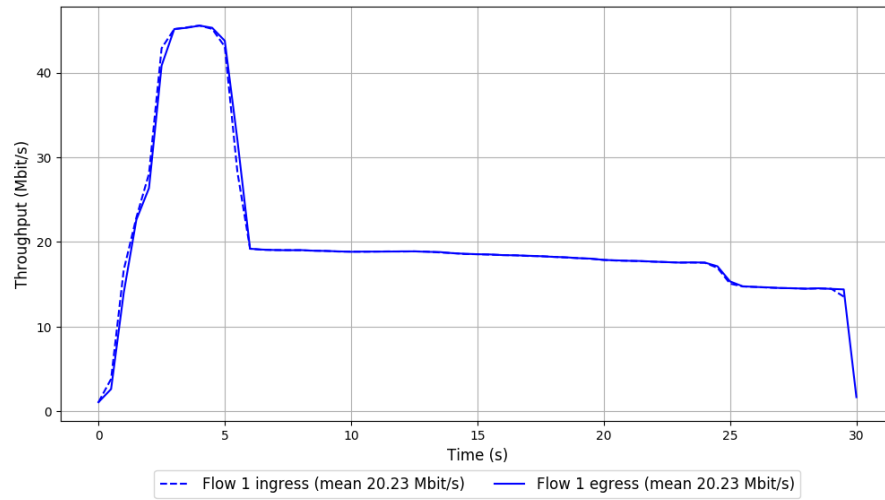
-- Flow 1:

Average throughput: 20.23 Mbit/s

95th percentile per-packet one-way delay: 87.552 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-01-30 15:40:49

End at: 2018-01-30 15:41:19

Below is generated by plot.py at 2018-01-30 17:19:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 36.43 Mbit/s

95th percentile per-packet one-way delay: 87.905 ms

Loss rate: 0.00%

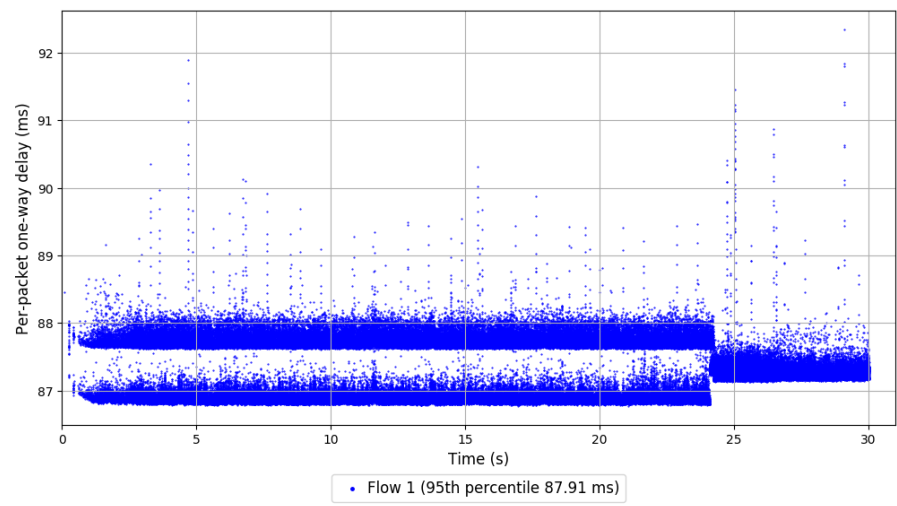
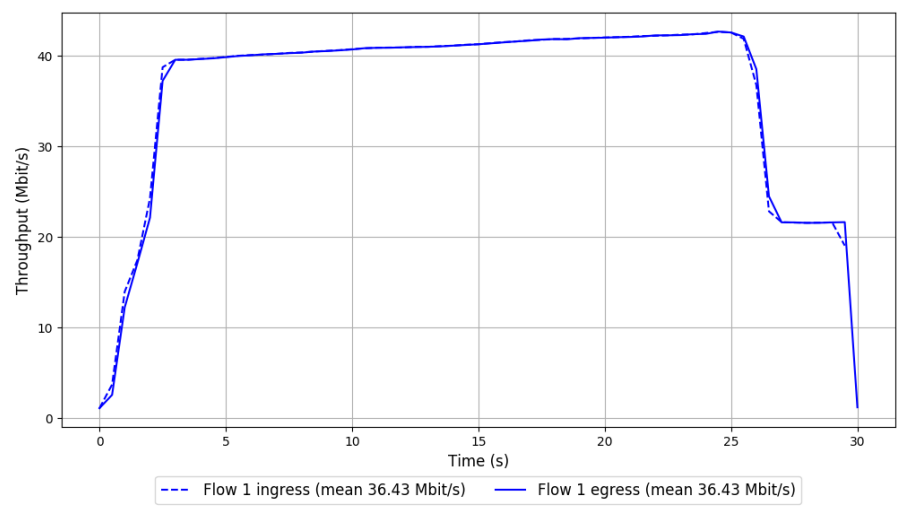
-- Flow 1:

Average throughput: 36.43 Mbit/s

95th percentile per-packet one-way delay: 87.905 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

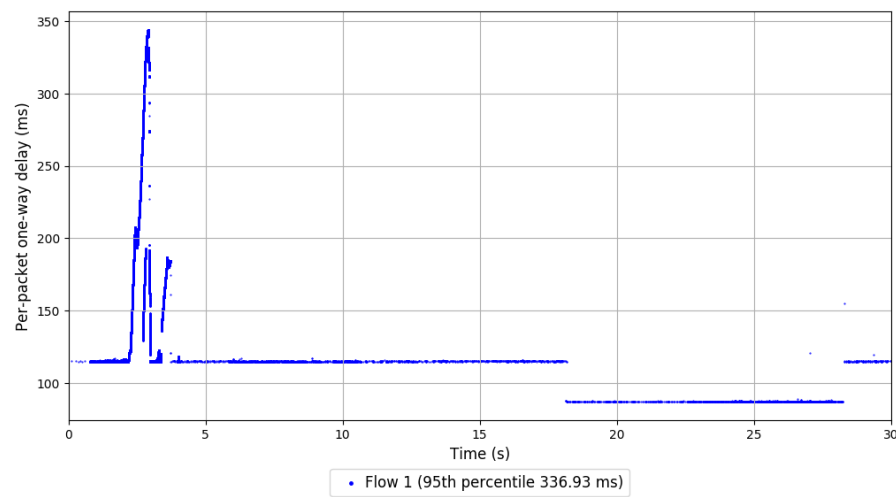
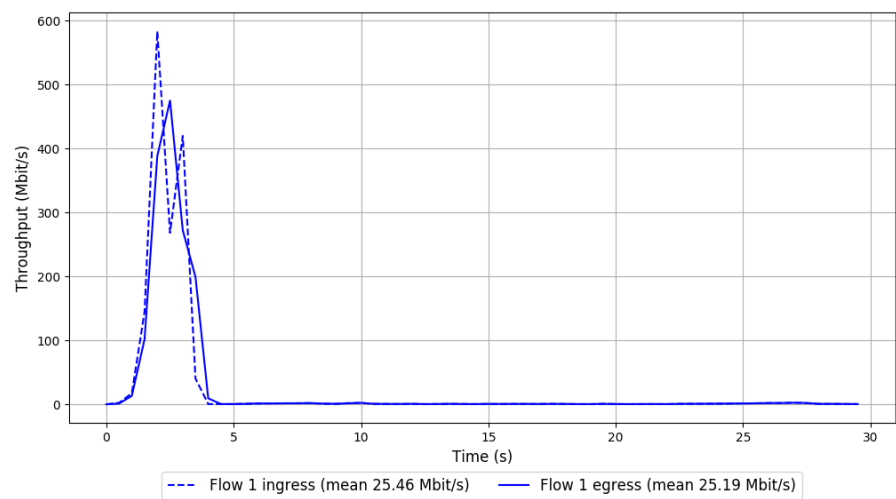


```
Run 1: Statistics of FillP

Start at: 2018-01-30 13:23:05
End at: 2018-01-30 13:23:35

# Below is generated by plot.py at 2018-01-30 17:19:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.19 Mbit/s
95th percentile per-packet one-way delay: 336.934 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 25.19 Mbit/s
95th percentile per-packet one-way delay: 336.934 ms
Loss rate: 1.09%
```


Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-01-30 13:37:24

End at: 2018-01-30 13:37:54

Below is generated by plot.py at 2018-01-30 17:19:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.82 Mbit/s

95th percentile per-packet one-way delay: 127.670 ms

Loss rate: 0.00%

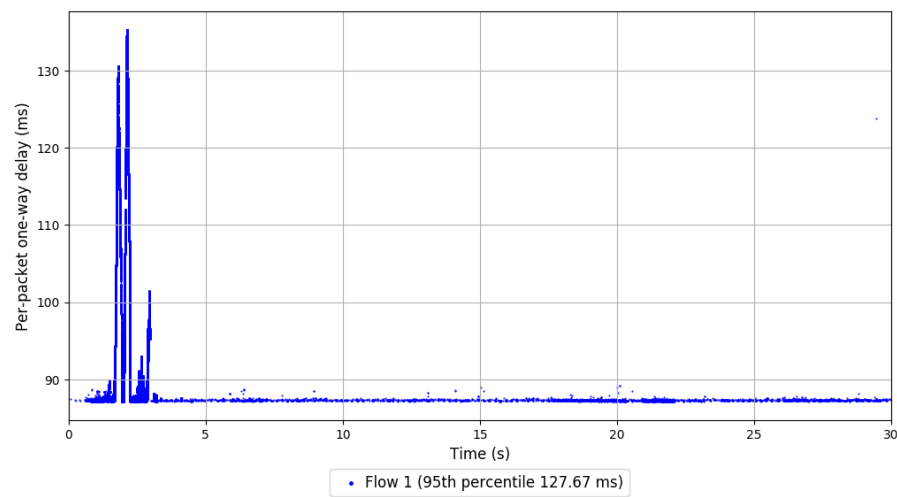
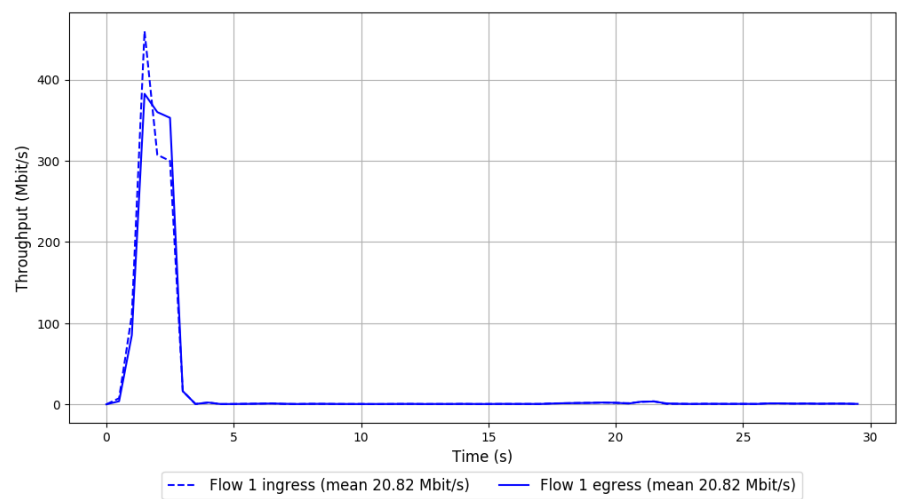
-- Flow 1:

Average throughput: 20.82 Mbit/s

95th percentile per-packet one-way delay: 127.670 ms

Loss rate: 0.00%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-01-30 13:52:06

End at: 2018-01-30 13:52:36

Below is generated by plot.py at 2018-01-30 17:20:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.72 Mbit/s

95th percentile per-packet one-way delay: 295.305 ms

Loss rate: 0.17%

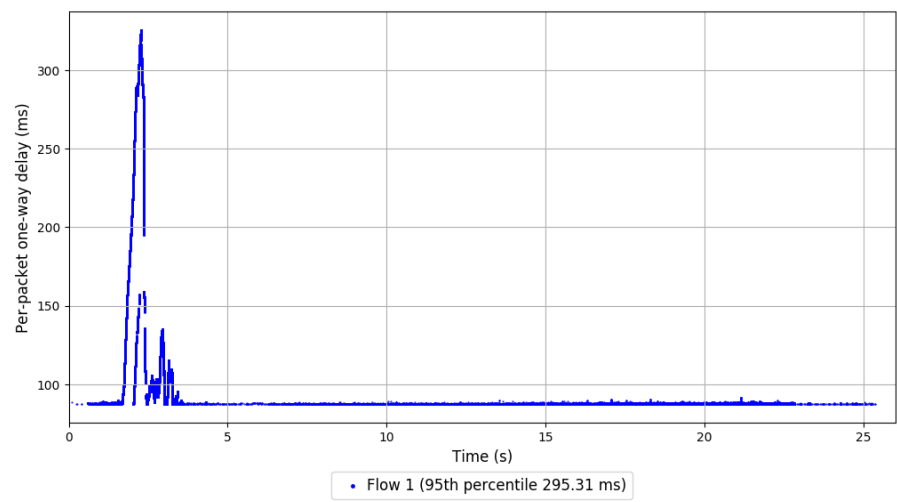
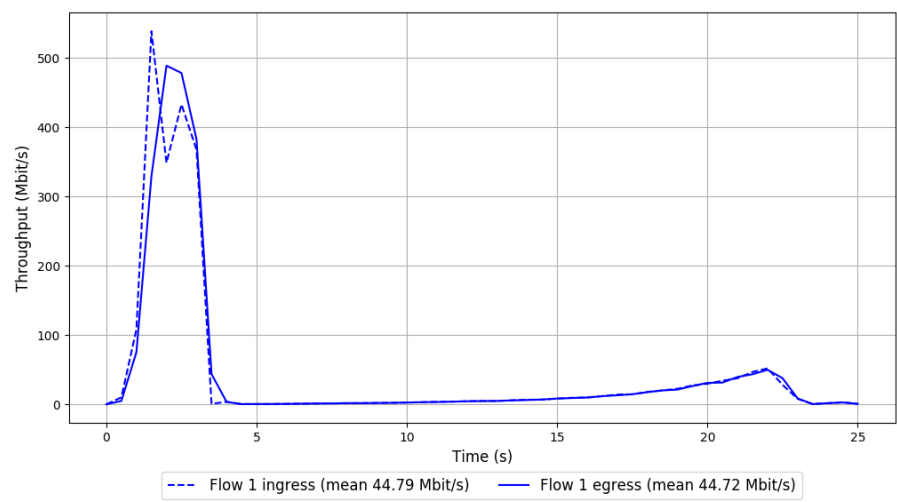
-- Flow 1:

Average throughput: 44.72 Mbit/s

95th percentile per-packet one-way delay: 295.305 ms

Loss rate: 0.17%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-01-30 14:06:48

End at: 2018-01-30 14:07:18

Below is generated by plot.py at 2018-01-30 17:20:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.11 Mbit/s

95th percentile per-packet one-way delay: 347.384 ms

Loss rate: 0.84%

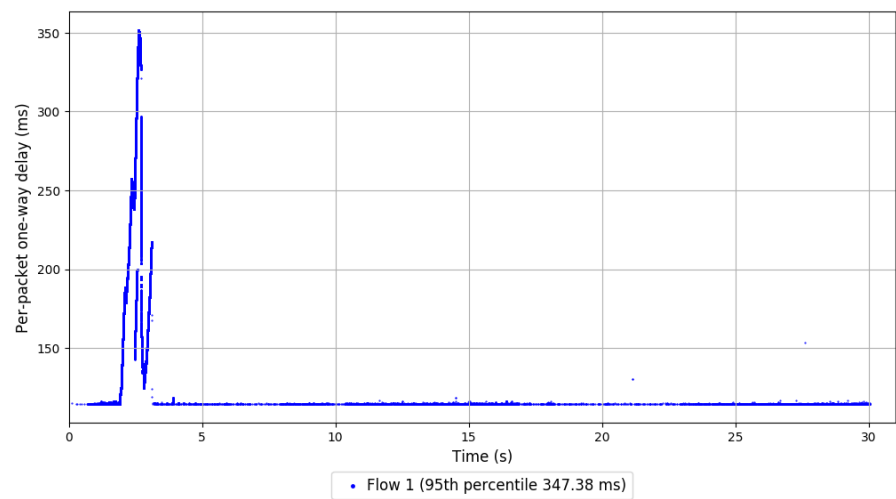
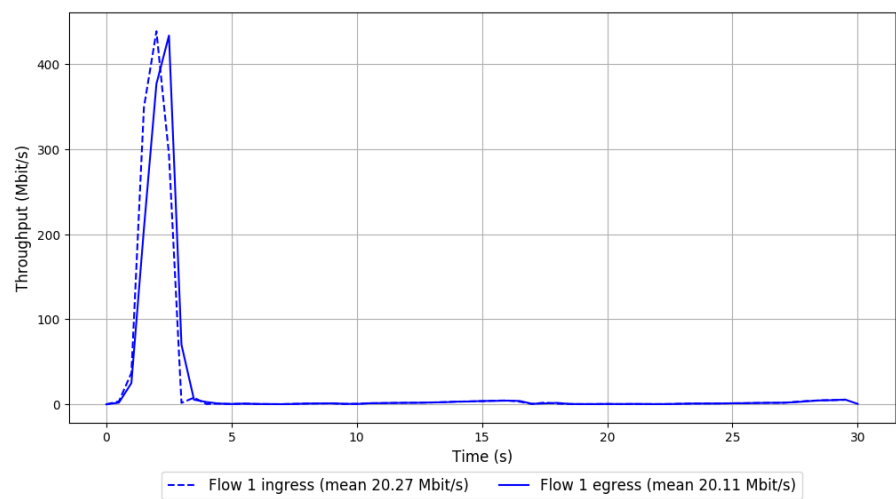
-- Flow 1:

Average throughput: 20.11 Mbit/s

95th percentile per-packet one-way delay: 347.384 ms

Loss rate: 0.84%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-01-30 14:21:07

End at: 2018-01-30 14:21:37

Below is generated by plot.py at 2018-01-30 17:20:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 37.26 Mbit/s

95th percentile per-packet one-way delay: 358.226 ms

Loss rate: 2.92%

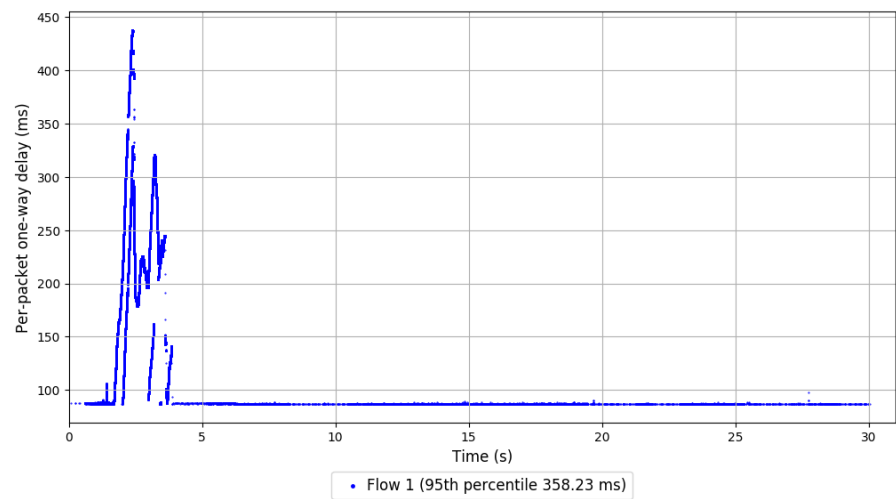
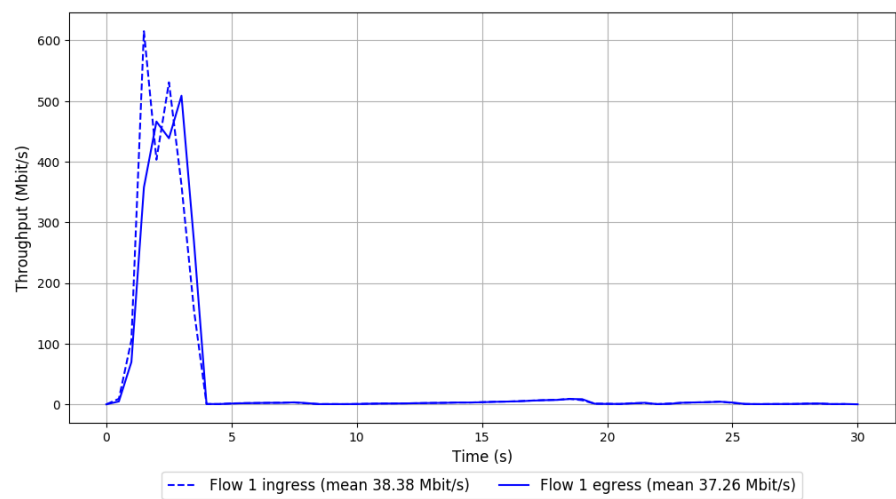
-- Flow 1:

Average throughput: 37.26 Mbit/s

95th percentile per-packet one-way delay: 358.226 ms

Loss rate: 2.92%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-01-30 14:35:35

End at: 2018-01-30 14:36:05

Below is generated by plot.py at 2018-01-30 17:20:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.14 Mbit/s

95th percentile per-packet one-way delay: 292.428 ms

Loss rate: 0.77%

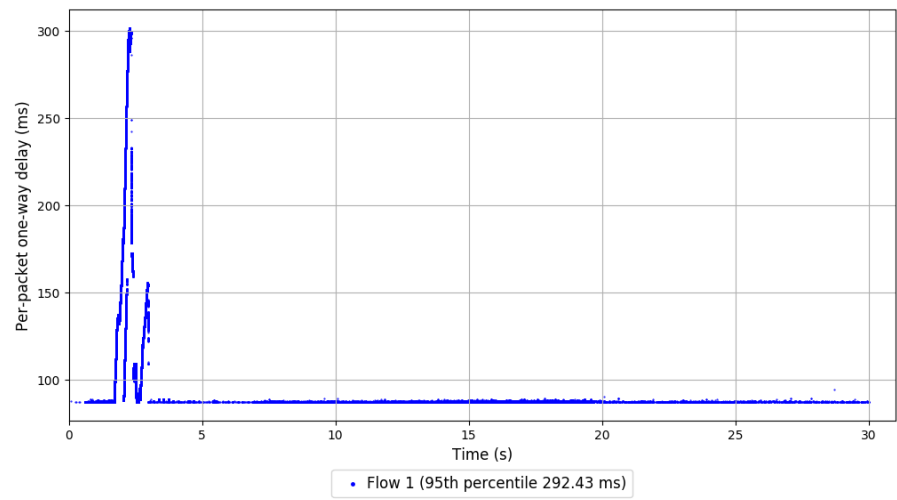
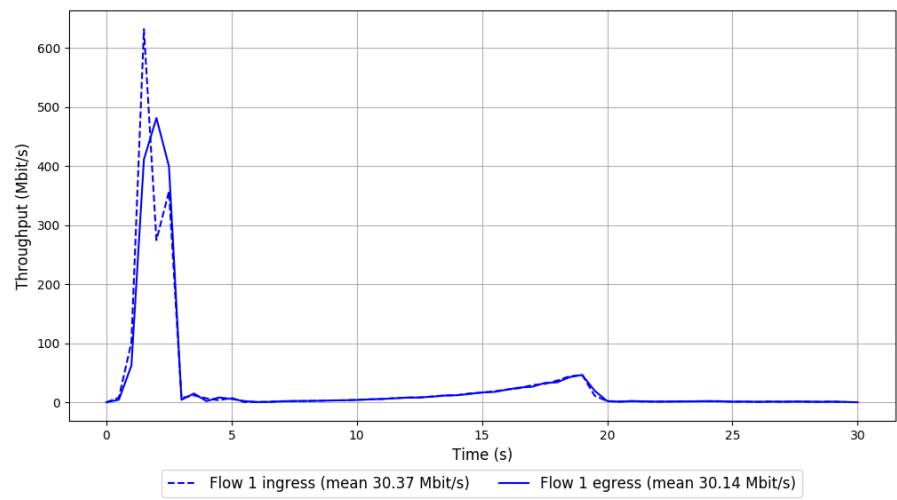
-- Flow 1:

Average throughput: 30.14 Mbit/s

95th percentile per-packet one-way delay: 292.428 ms

Loss rate: 0.77%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-01-30 14:50:06

End at: 2018-01-30 14:50:36

Below is generated by plot.py at 2018-01-30 17:20:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 25.78 Mbit/s

95th percentile per-packet one-way delay: 228.312 ms

Loss rate: 0.00%

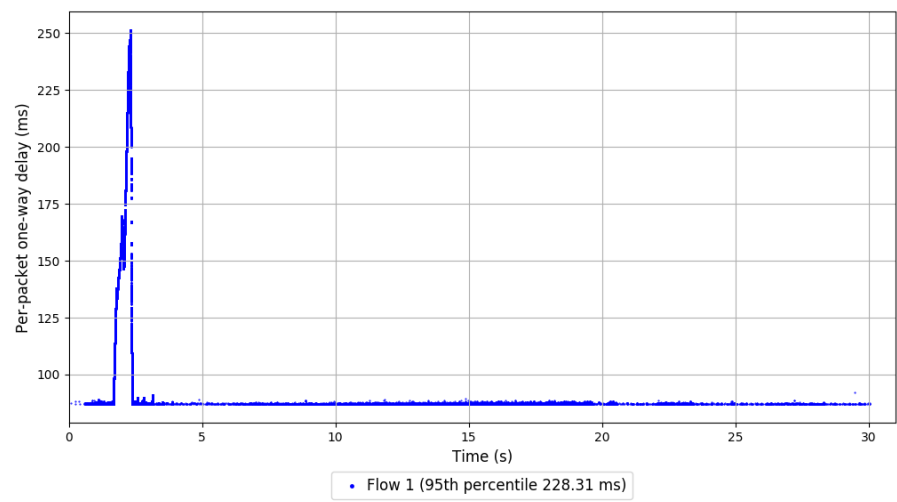
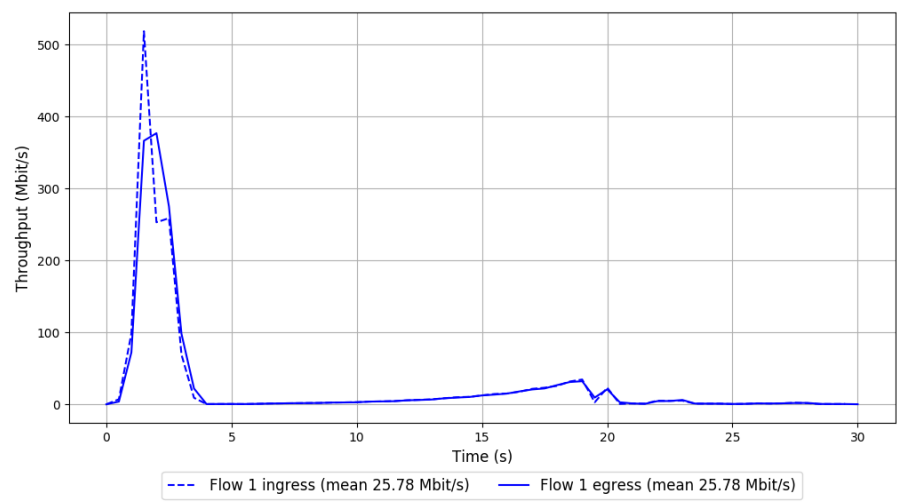
-- Flow 1:

Average throughput: 25.78 Mbit/s

95th percentile per-packet one-way delay: 228.312 ms

Loss rate: 0.00%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-01-30 15:04:39

End at: 2018-01-30 15:05:09

Below is generated by plot.py at 2018-01-30 17:20:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.82 Mbit/s

95th percentile per-packet one-way delay: 289.001 ms

Loss rate: 0.00%

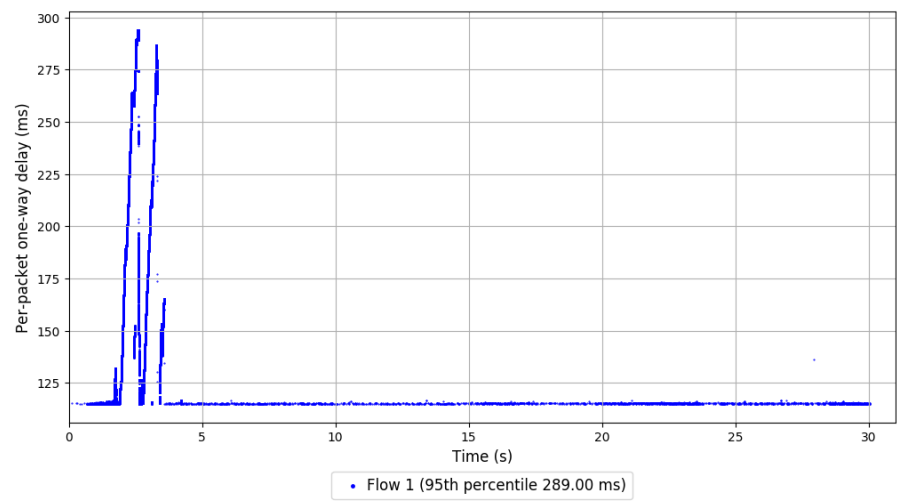
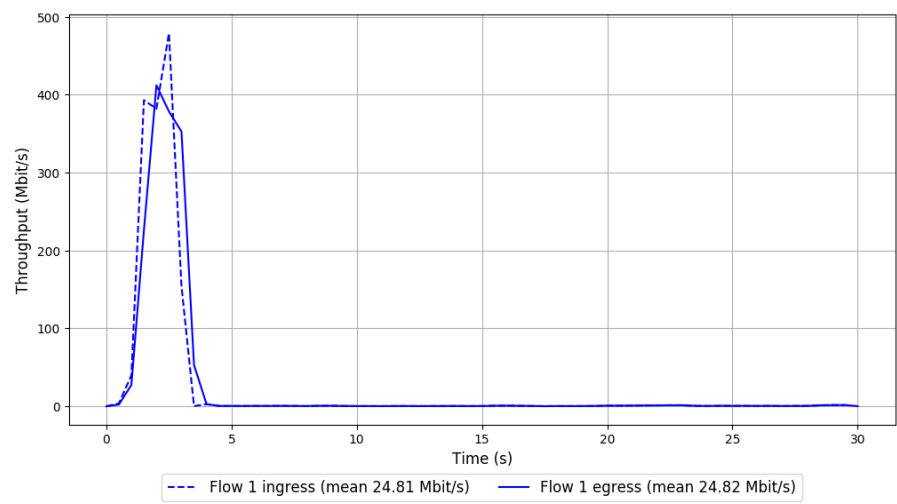
-- Flow 1:

Average throughput: 24.82 Mbit/s

95th percentile per-packet one-way delay: 289.001 ms

Loss rate: 0.00%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-01-30 15:19:17

End at: 2018-01-30 15:19:47

Below is generated by plot.py at 2018-01-30 17:20:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.89 Mbit/s

95th percentile per-packet one-way delay: 350.252 ms

Loss rate: 3.92%

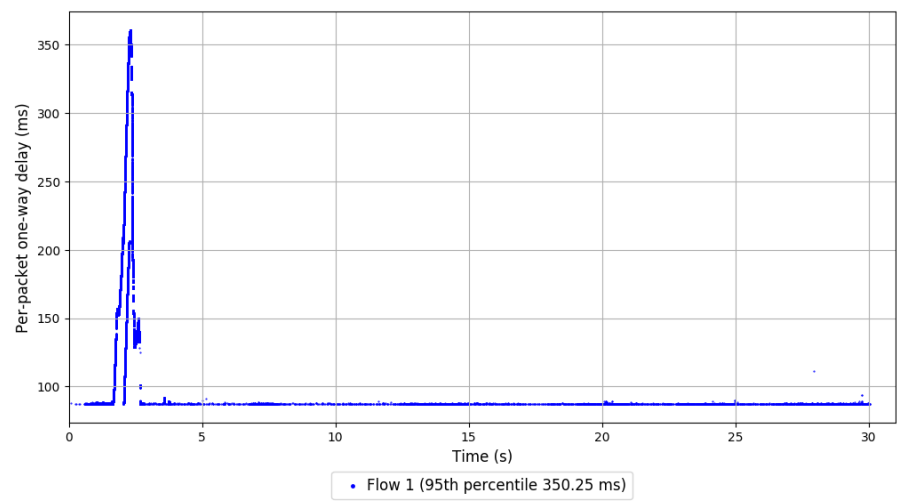
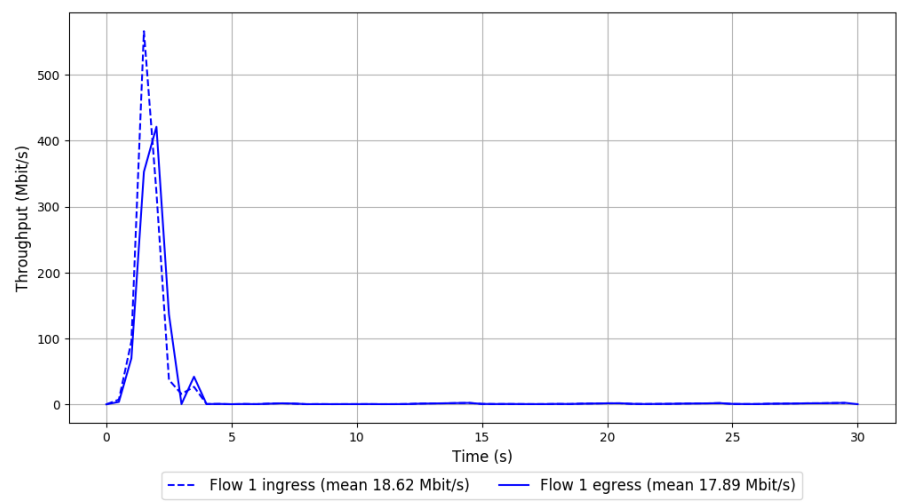
-- Flow 1:

Average throughput: 17.89 Mbit/s

95th percentile per-packet one-way delay: 350.252 ms

Loss rate: 3.92%

Run 9: Report of FillP — Data Link

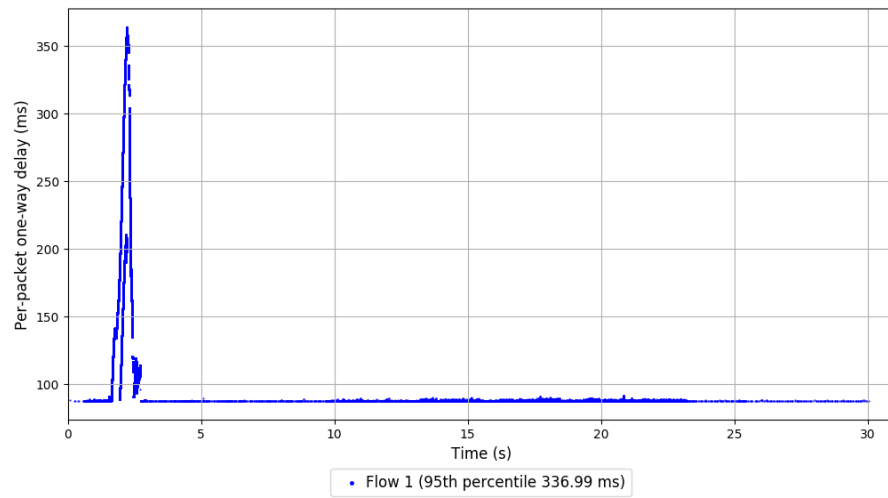
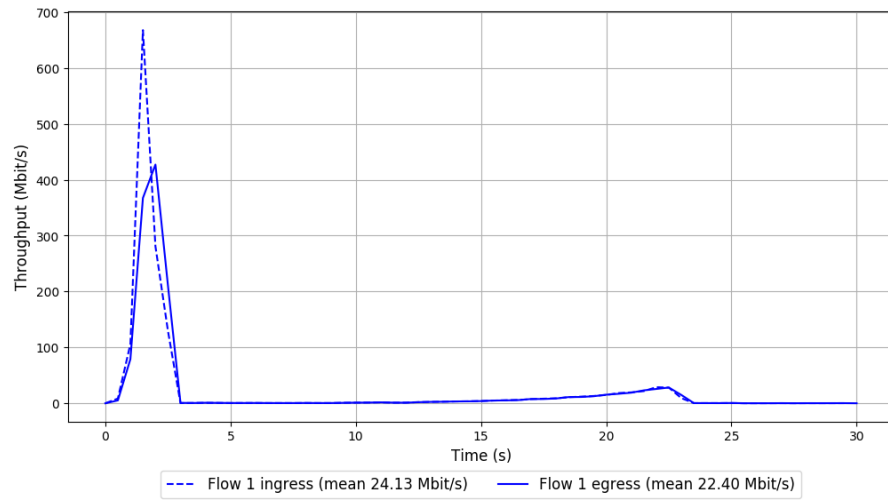


```
Run 10: Statistics of FillP

Start at: 2018-01-30 15:33:35
End at: 2018-01-30 15:34:05

# Below is generated by plot.py at 2018-01-30 17:20:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.40 Mbit/s
95th percentile per-packet one-way delay: 336.989 ms
Loss rate: 7.13%
-- Flow 1:
Average throughput: 22.40 Mbit/s
95th percentile per-packet one-way delay: 336.989 ms
Loss rate: 7.13%
```

Run 10: Report of FillP — Data Link

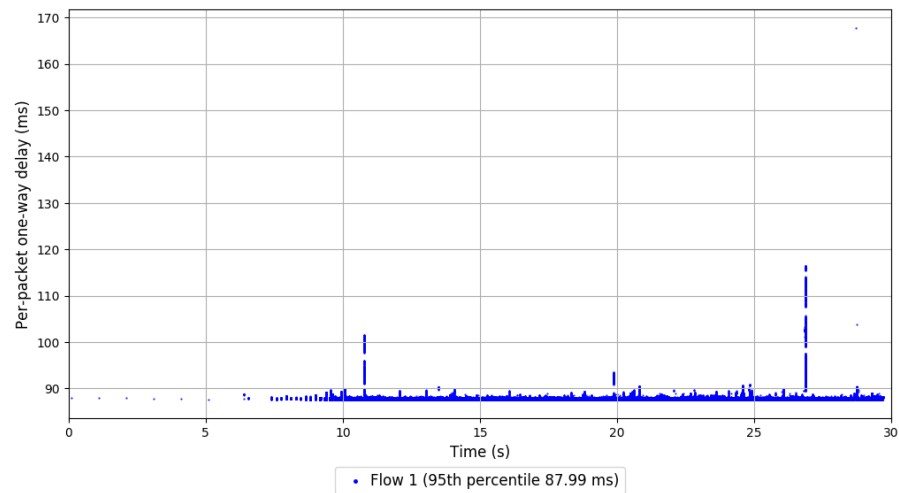
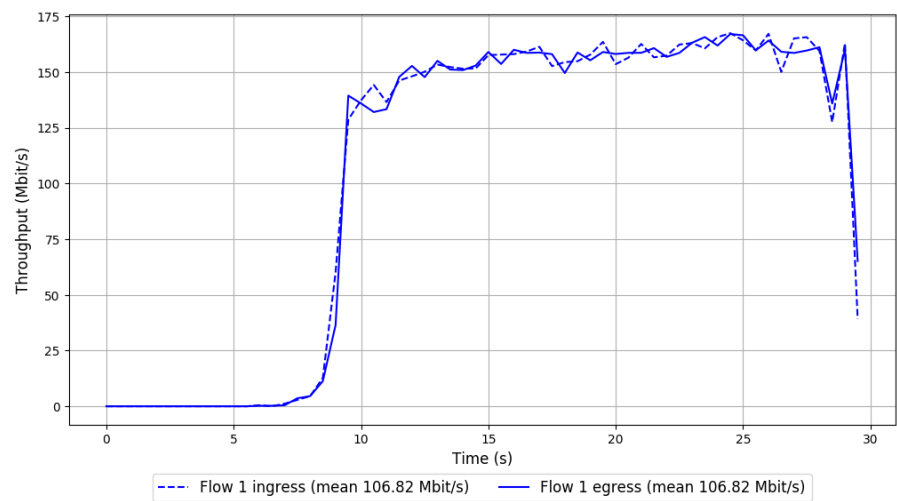


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-01-30 13:27:58
End at: 2018-01-30 13:28:28

# Below is generated by plot.py at 2018-01-30 17:21:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 106.82 Mbit/s
95th percentile per-packet one-way delay: 87.986 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 106.82 Mbit/s
95th percentile per-packet one-way delay: 87.986 ms
Loss rate: 0.00%
```

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

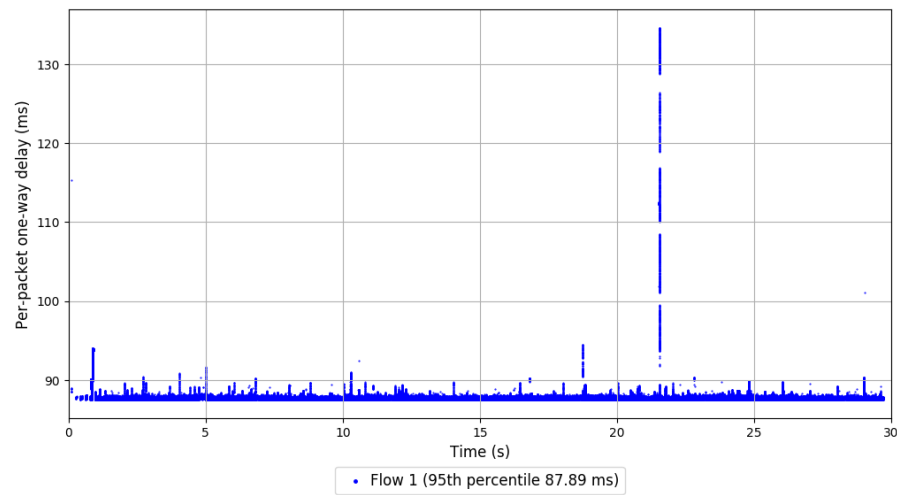
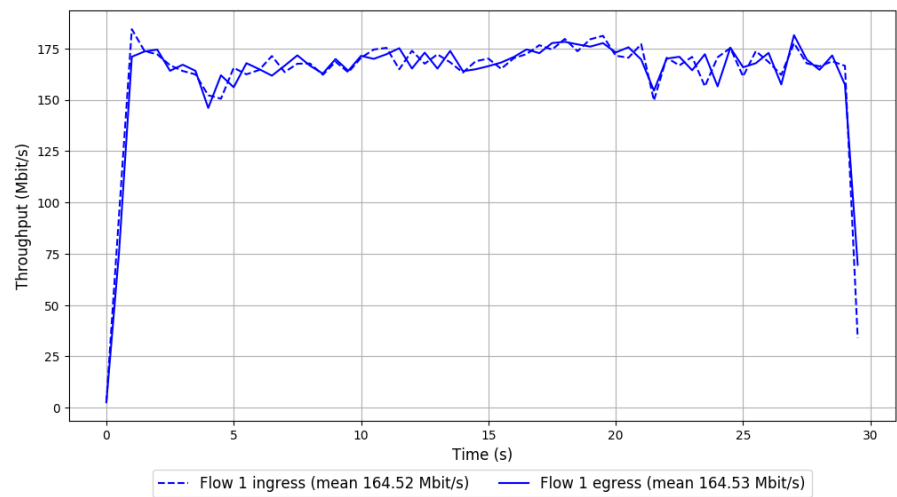


```
Run 2: Statistics of Indigo-1-32

Start at: 2018-01-30 13:42:24
End at: 2018-01-30 13:42:54

# Below is generated by plot.py at 2018-01-30 17:23:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 164.53 Mbit/s
95th percentile per-packet one-way delay: 87.888 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 164.53 Mbit/s
95th percentile per-packet one-way delay: 87.888 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-01-30 13:57:12

End at: 2018-01-30 13:57:42

Below is generated by plot.py at 2018-01-30 17:23:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.90 Mbit/s

95th percentile per-packet one-way delay: 87.670 ms

Loss rate: 0.18%

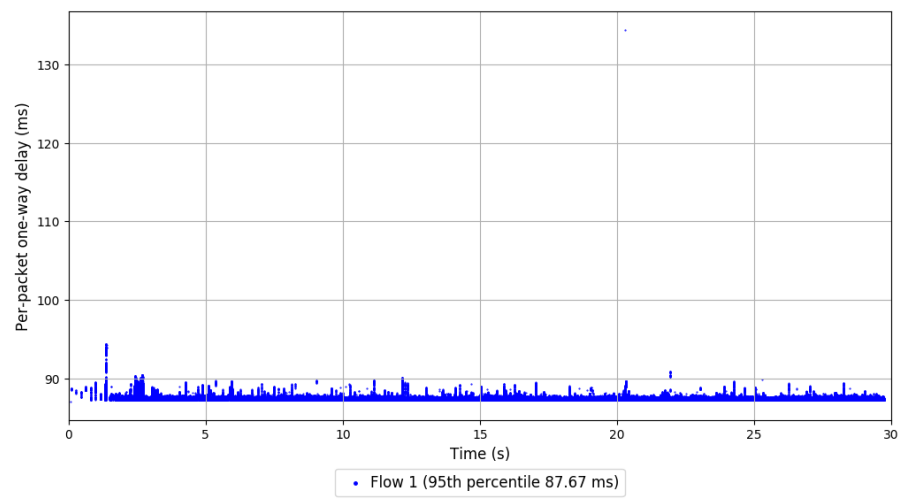
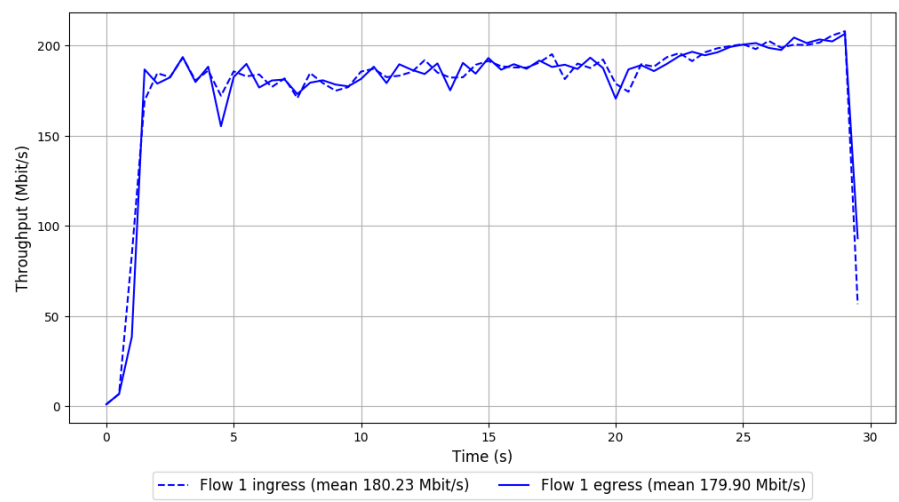
-- Flow 1:

Average throughput: 179.90 Mbit/s

95th percentile per-packet one-way delay: 87.670 ms

Loss rate: 0.18%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-01-30 14:11:27

End at: 2018-01-30 14:11:57

Below is generated by plot.py at 2018-01-30 17:23:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.25 Mbit/s

95th percentile per-packet one-way delay: 87.556 ms

Loss rate: 0.20%

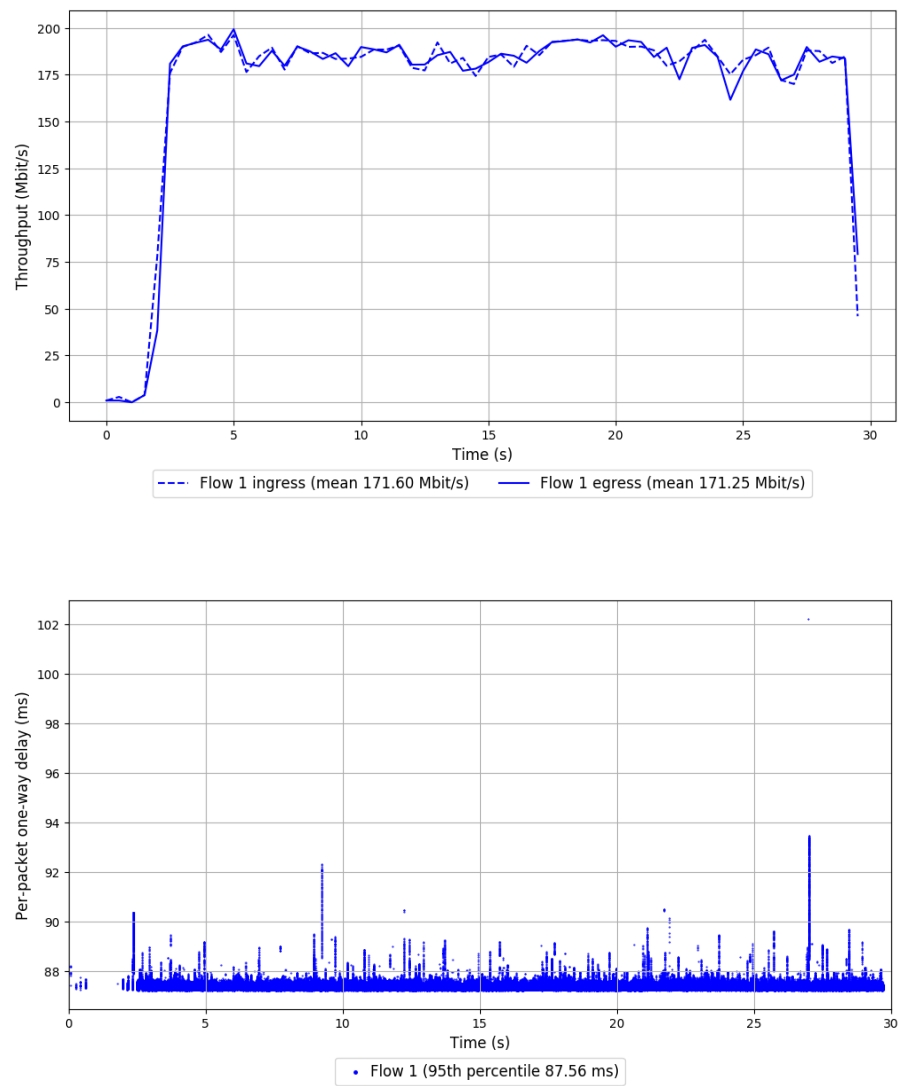
-- Flow 1:

Average throughput: 171.25 Mbit/s

95th percentile per-packet one-way delay: 87.556 ms

Loss rate: 0.20%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-01-30 14:26:01

End at: 2018-01-30 14:26:31

Below is generated by plot.py at 2018-01-30 17:23:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.33 Mbit/s

95th percentile per-packet one-way delay: 87.614 ms

Loss rate: 0.00%

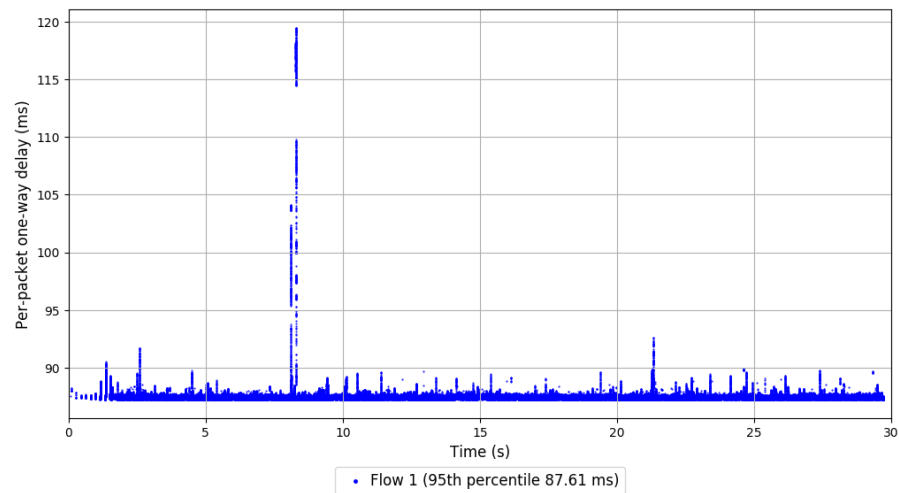
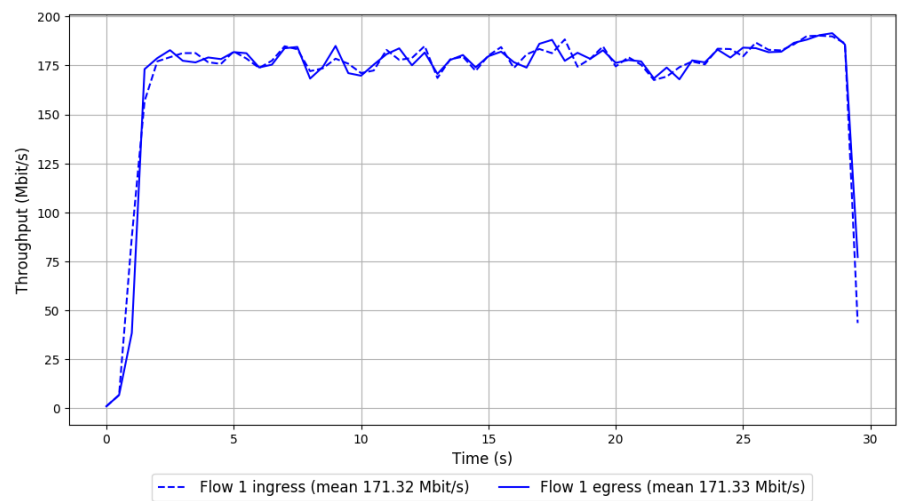
-- Flow 1:

Average throughput: 171.33 Mbit/s

95th percentile per-packet one-way delay: 87.614 ms

Loss rate: 0.00%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-01-30 14:40:38

End at: 2018-01-30 14:41:08

Below is generated by plot.py at 2018-01-30 17:23:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.68 Mbit/s

95th percentile per-packet one-way delay: 87.717 ms

Loss rate: 0.16%

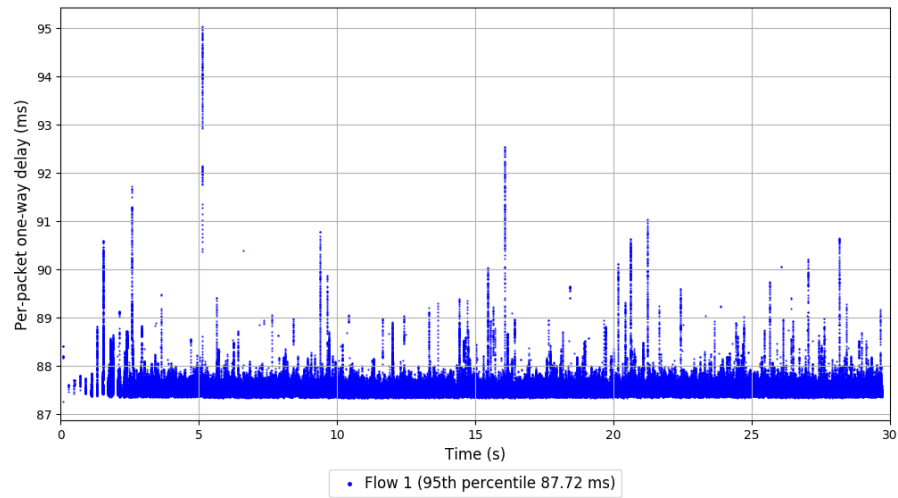
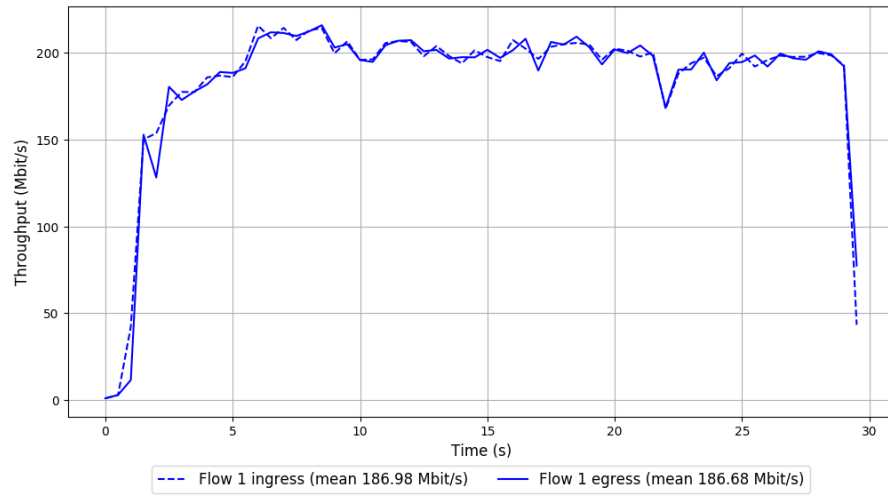
-- Flow 1:

Average throughput: 186.68 Mbit/s

95th percentile per-packet one-way delay: 87.717 ms

Loss rate: 0.16%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-01-30 14:55:02

End at: 2018-01-30 14:55:32

Below is generated by plot.py at 2018-01-30 17:23:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 147.01 Mbit/s

95th percentile per-packet one-way delay: 115.025 ms

Loss rate: 0.00%

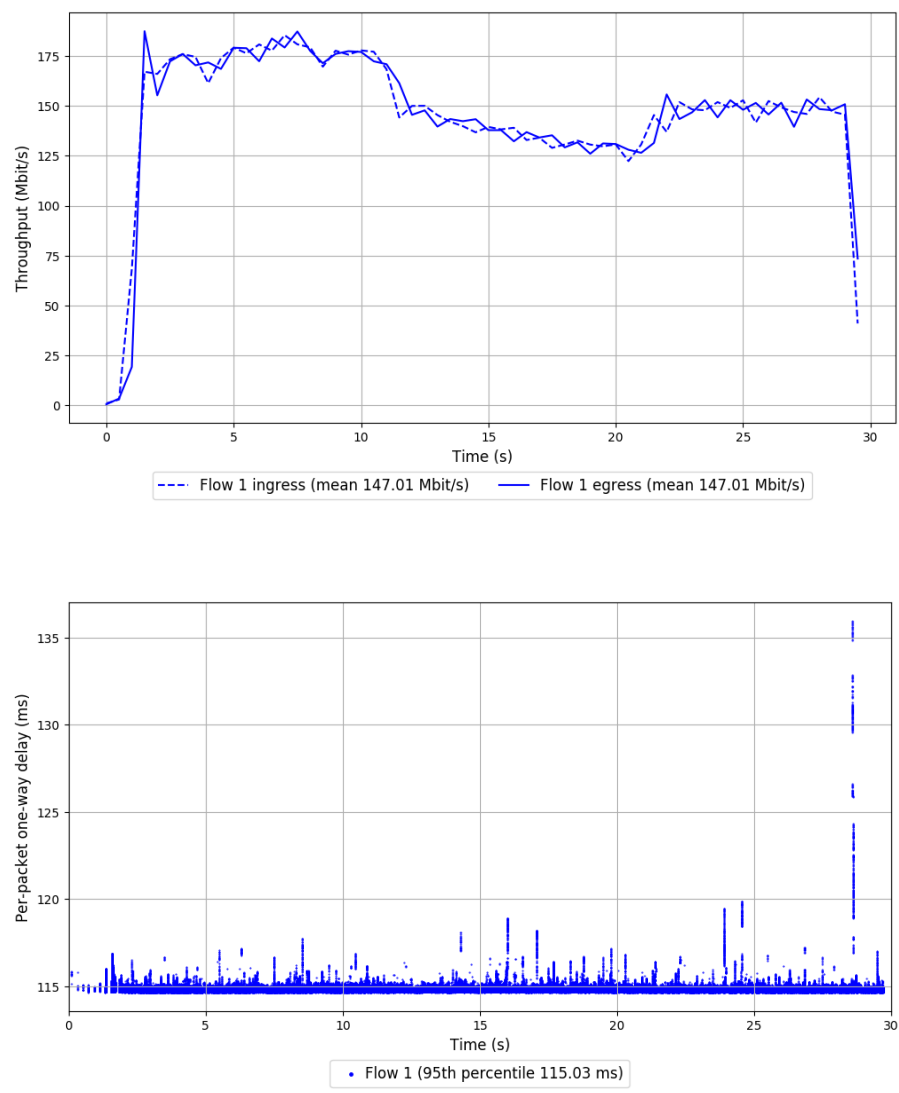
-- Flow 1:

Average throughput: 147.01 Mbit/s

95th percentile per-packet one-way delay: 115.025 ms

Loss rate: 0.00%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-01-30 15:09:37

End at: 2018-01-30 15:10:07

Below is generated by plot.py at 2018-01-30 17:23:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.57 Mbit/s

95th percentile per-packet one-way delay: 87.661 ms

Loss rate: 0.00%

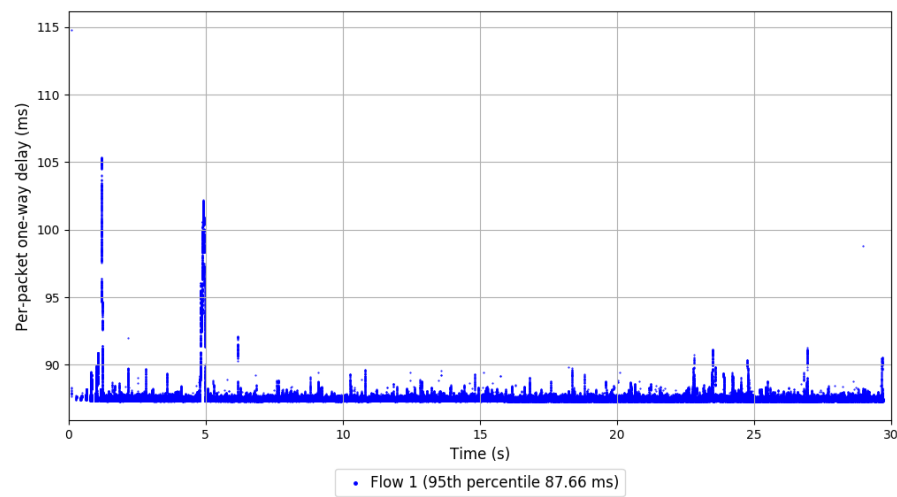
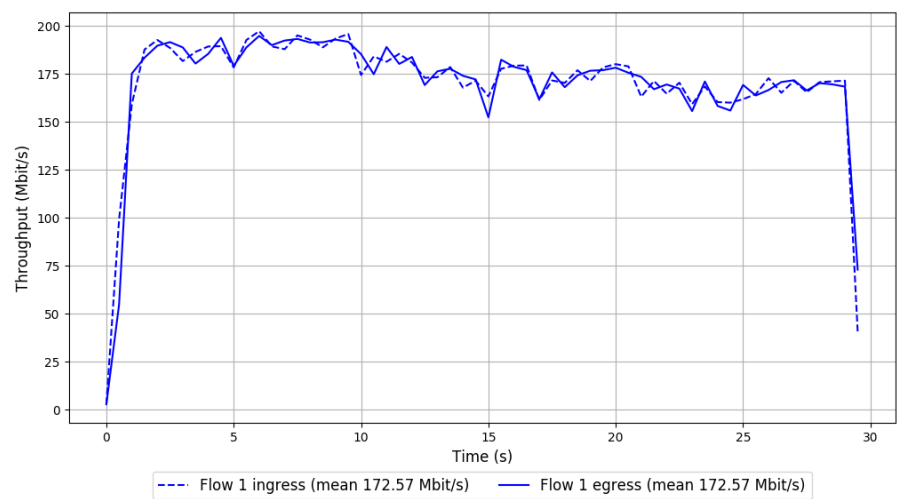
-- Flow 1:

Average throughput: 172.57 Mbit/s

95th percentile per-packet one-way delay: 87.661 ms

Loss rate: 0.00%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-01-30 15:24:16

End at: 2018-01-30 15:24:46

Below is generated by plot.py at 2018-01-30 17:24:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 150.16 Mbit/s

95th percentile per-packet one-way delay: 87.641 ms

Loss rate: 0.02%

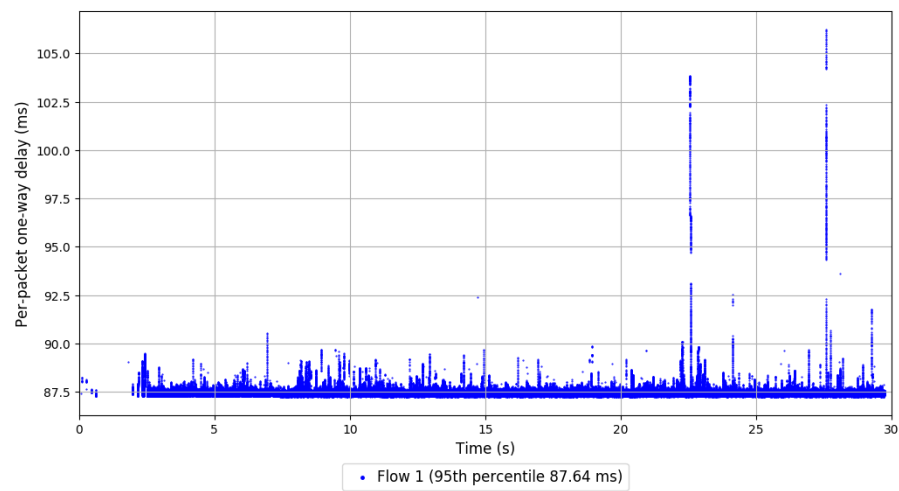
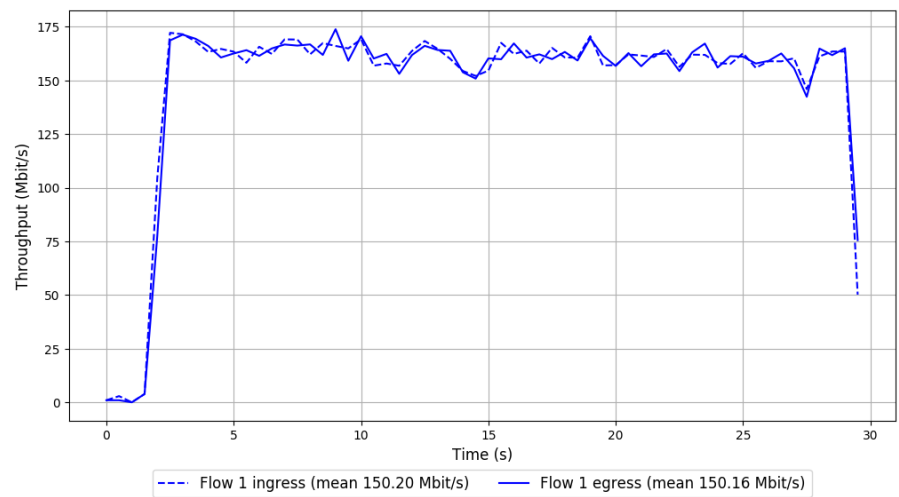
-- Flow 1:

Average throughput: 150.16 Mbit/s

95th percentile per-packet one-way delay: 87.641 ms

Loss rate: 0.02%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-01-30 15:38:34

End at: 2018-01-30 15:39:04

Below is generated by plot.py at 2018-01-30 17:25:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 164.94 Mbit/s

95th percentile per-packet one-way delay: 87.594 ms

Loss rate: 0.00%

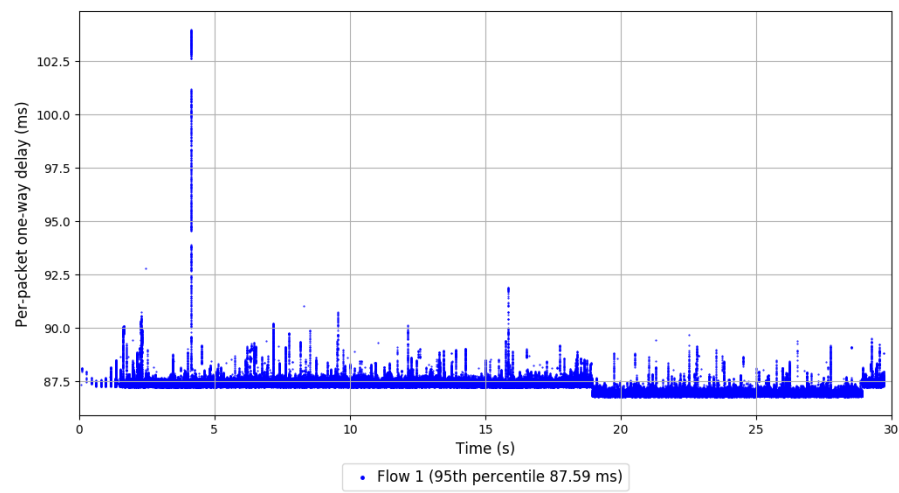
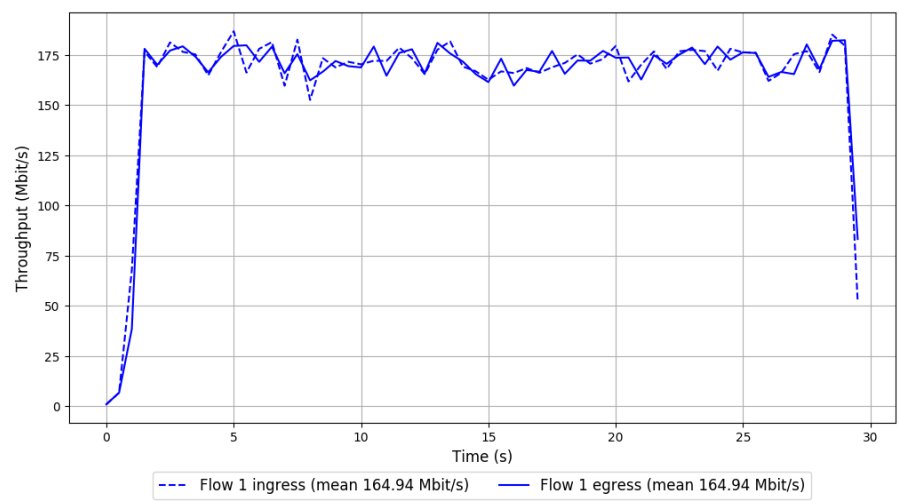
-- Flow 1:

Average throughput: 164.94 Mbit/s

95th percentile per-packet one-way delay: 87.594 ms

Loss rate: 0.00%

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



Run 1: Statistics of Vivace-latency

Start at: 2018-01-30 13:26:03

End at: 2018-01-30 13:26:33

Below is generated by plot.py at 2018-01-30 17:27:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.05 Mbit/s

95th percentile per-packet one-way delay: 115.109 ms

Loss rate: 0.00%

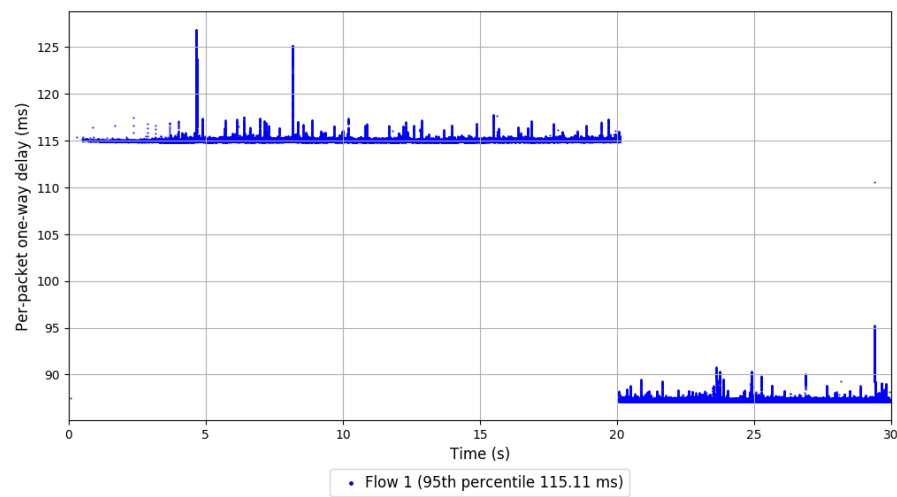
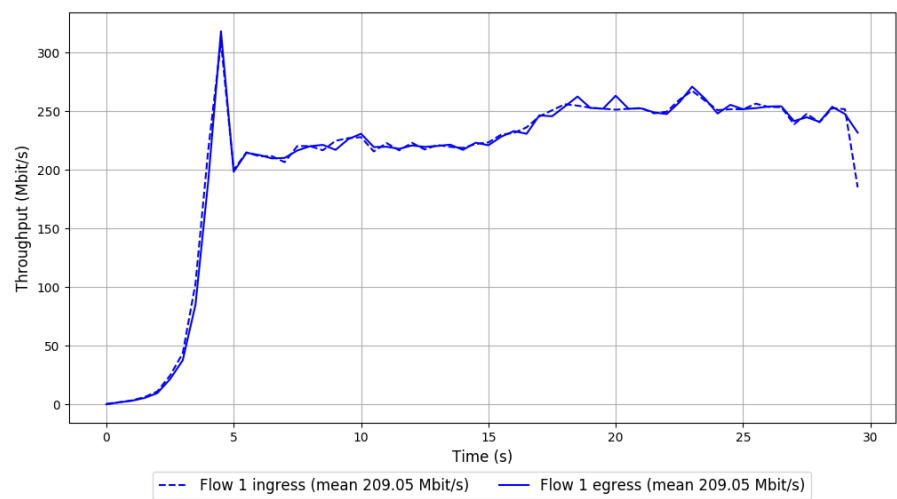
-- Flow 1:

Average throughput: 209.05 Mbit/s

95th percentile per-packet one-way delay: 115.109 ms

Loss rate: 0.00%

Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-01-30 13:40:31

End at: 2018-01-30 13:41:01

Below is generated by plot.py at 2018-01-30 17:28:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 247.70 Mbit/s

95th percentile per-packet one-way delay: 87.832 ms

Loss rate: 0.00%

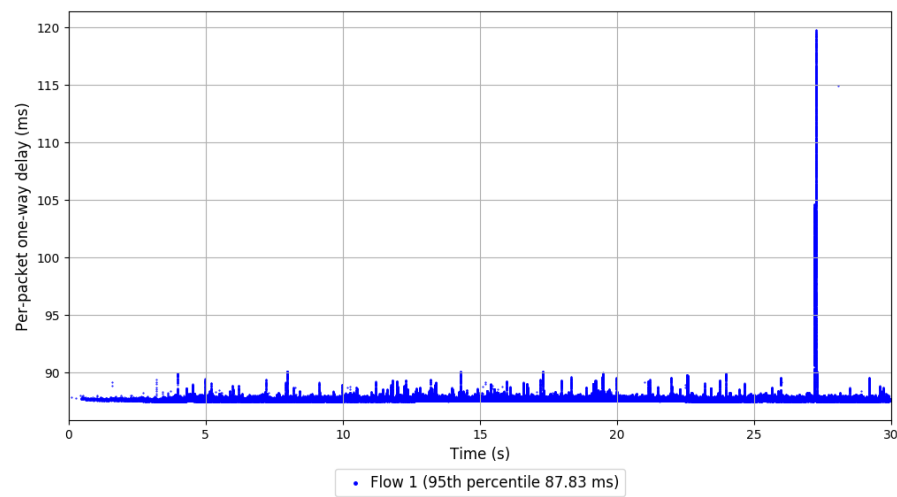
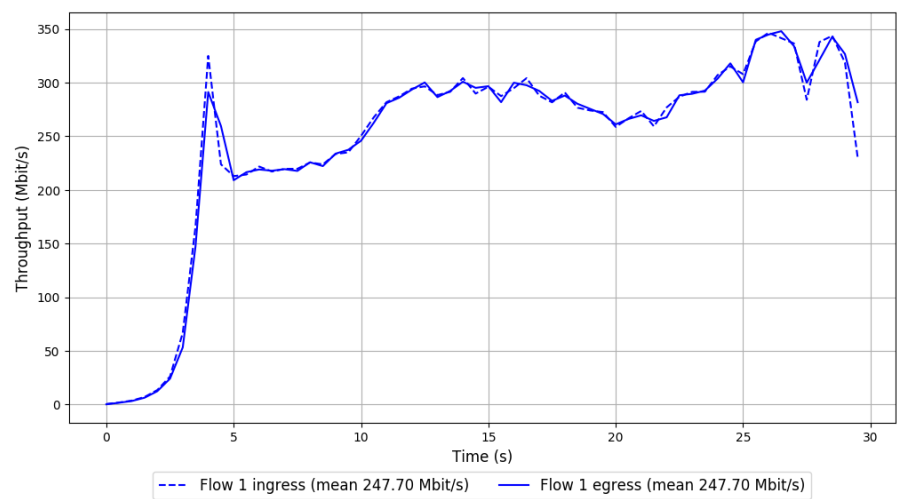
-- Flow 1:

Average throughput: 247.70 Mbit/s

95th percentile per-packet one-way delay: 87.832 ms

Loss rate: 0.00%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-01-30 13:55:13

End at: 2018-01-30 13:55:43

Below is generated by plot.py at 2018-01-30 17:28:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.32 Mbit/s

95th percentile per-packet one-way delay: 87.607 ms

Loss rate: 0.00%

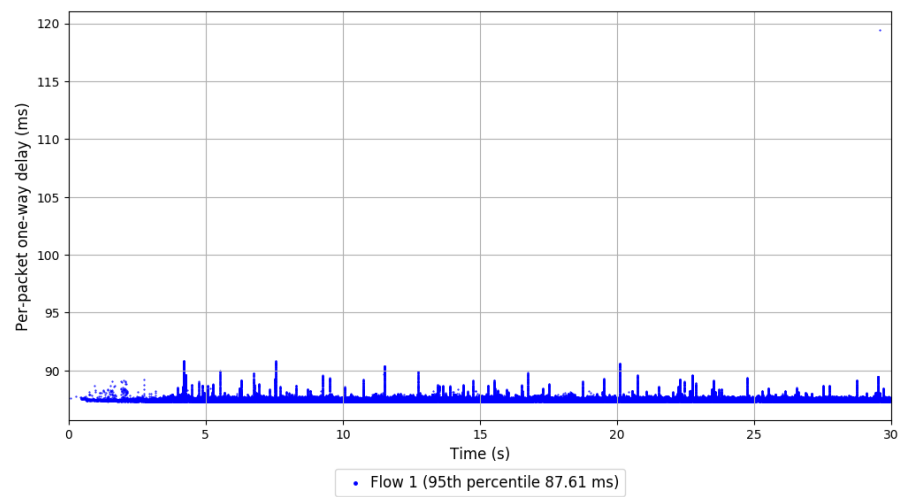
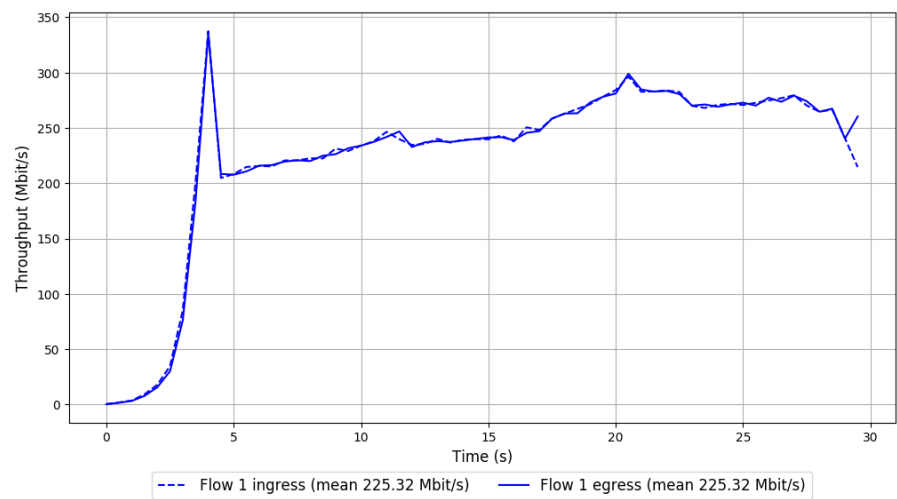
-- Flow 1:

Average throughput: 225.32 Mbit/s

95th percentile per-packet one-way delay: 87.607 ms

Loss rate: 0.00%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-01-30 14:09:32

End at: 2018-01-30 14:10:02

Below is generated by plot.py at 2018-01-30 17:28:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 247.13 Mbit/s

95th percentile per-packet one-way delay: 87.119 ms

Loss rate: 0.00%

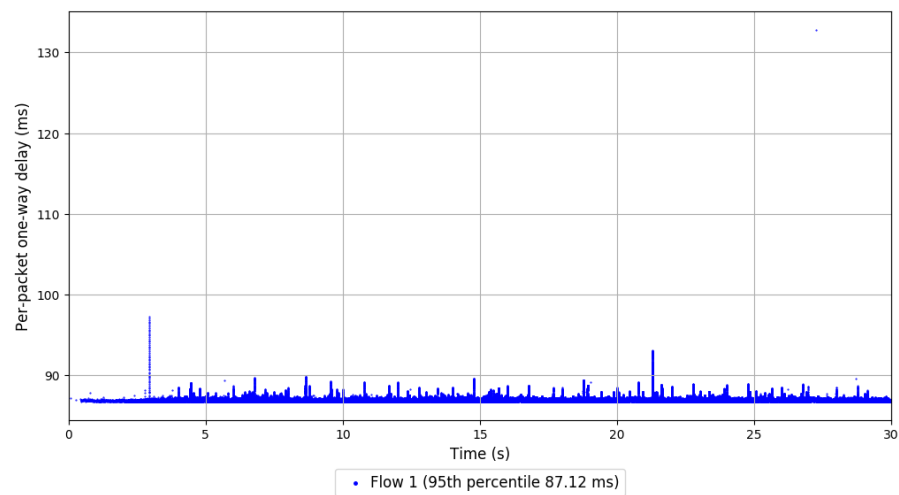
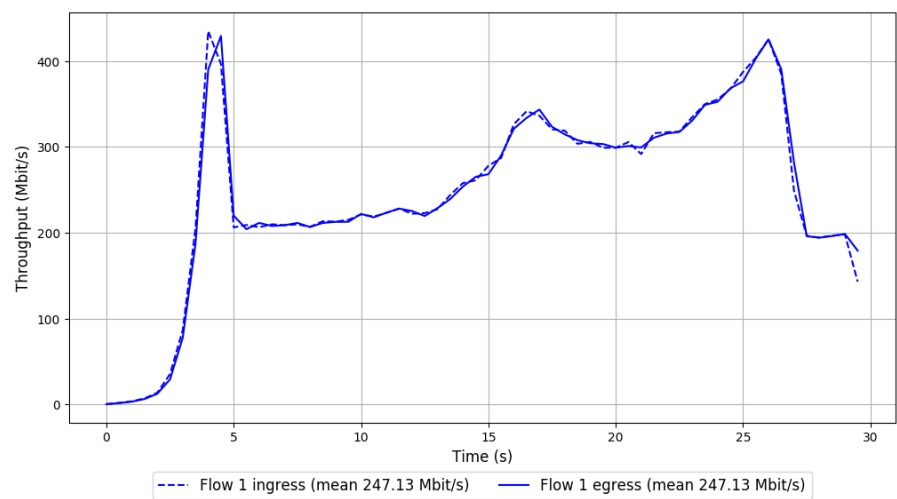
-- Flow 1:

Average throughput: 247.13 Mbit/s

95th percentile per-packet one-way delay: 87.119 ms

Loss rate: 0.00%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-01-30 14:24:11

End at: 2018-01-30 14:24:41

Below is generated by plot.py at 2018-01-30 17:28:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 190.50 Mbit/s

95th percentile per-packet one-way delay: 87.102 ms

Loss rate: 0.00%

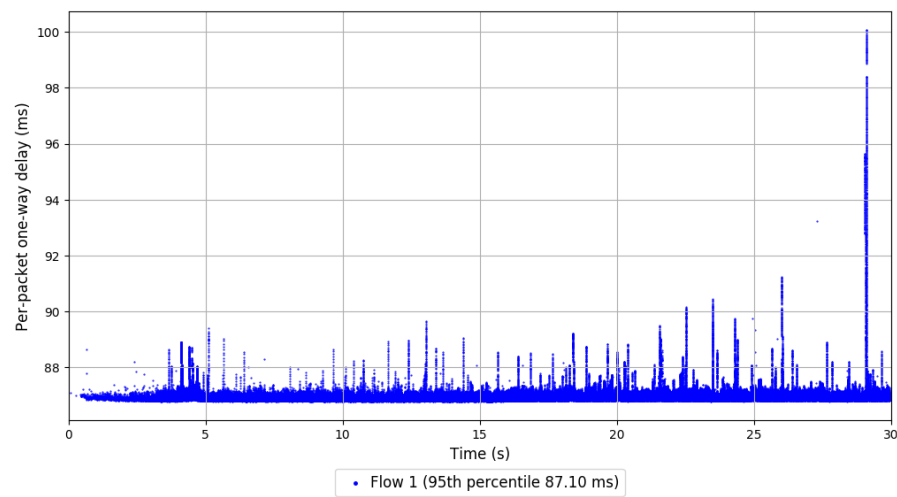
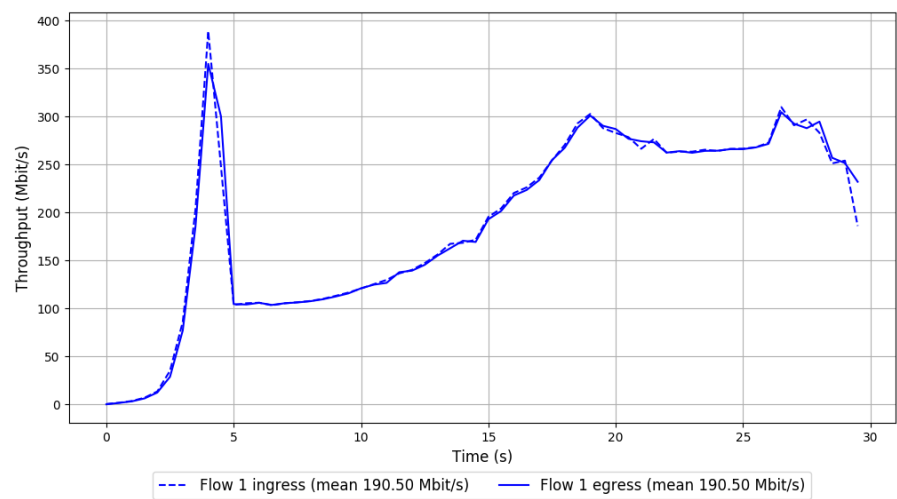
-- Flow 1:

Average throughput: 190.50 Mbit/s

95th percentile per-packet one-way delay: 87.102 ms

Loss rate: 0.00%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-01-30 14:38:38

End at: 2018-01-30 14:39:08

Below is generated by plot.py at 2018-01-30 17:29:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 331.90 Mbit/s

95th percentile per-packet one-way delay: 87.860 ms

Loss rate: 0.00%

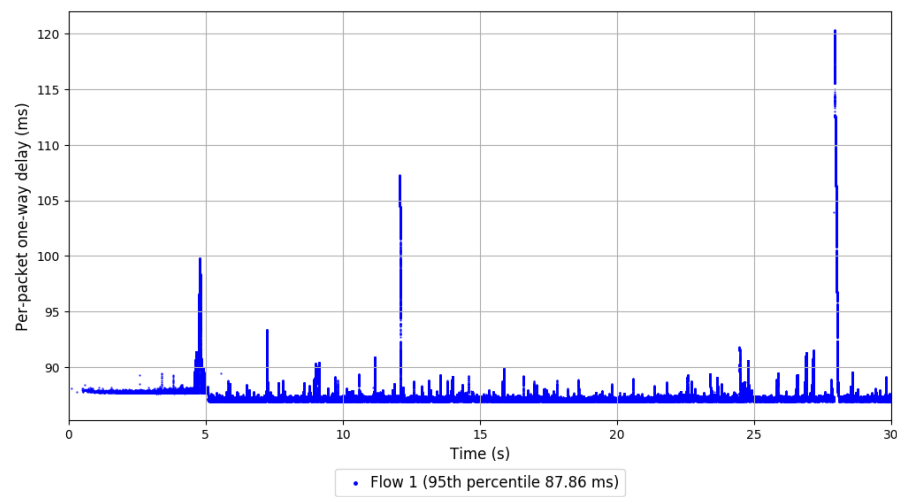
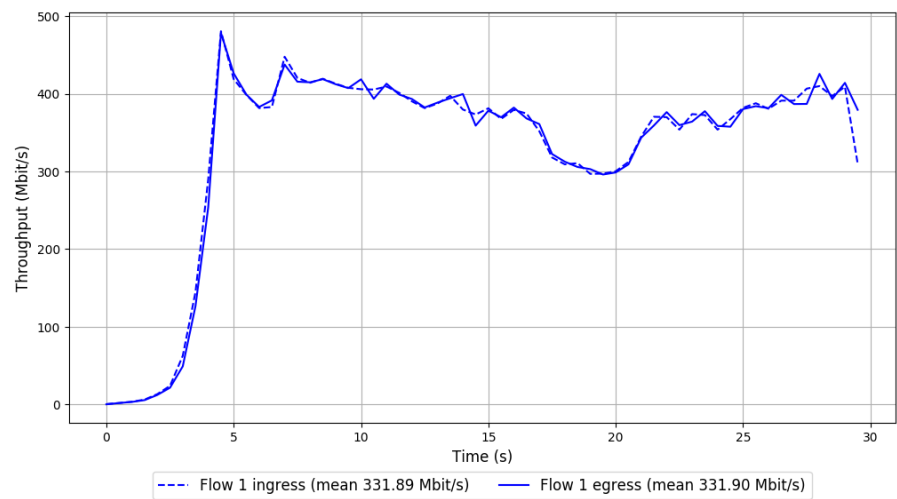
-- Flow 1:

Average throughput: 331.90 Mbit/s

95th percentile per-packet one-way delay: 87.860 ms

Loss rate: 0.00%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-01-30 14:53:09

End at: 2018-01-30 14:53:39

Below is generated by plot.py at 2018-01-30 17:29:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.47 Mbit/s

95th percentile per-packet one-way delay: 115.264 ms

Loss rate: 0.40%

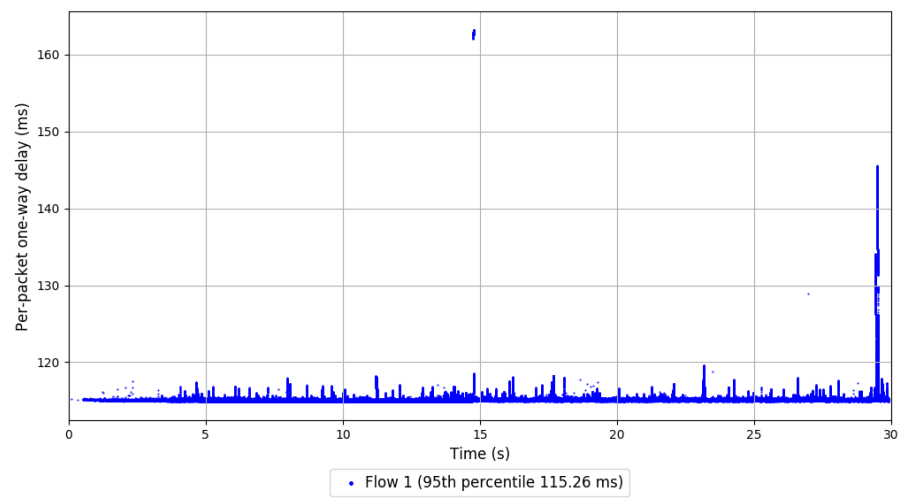
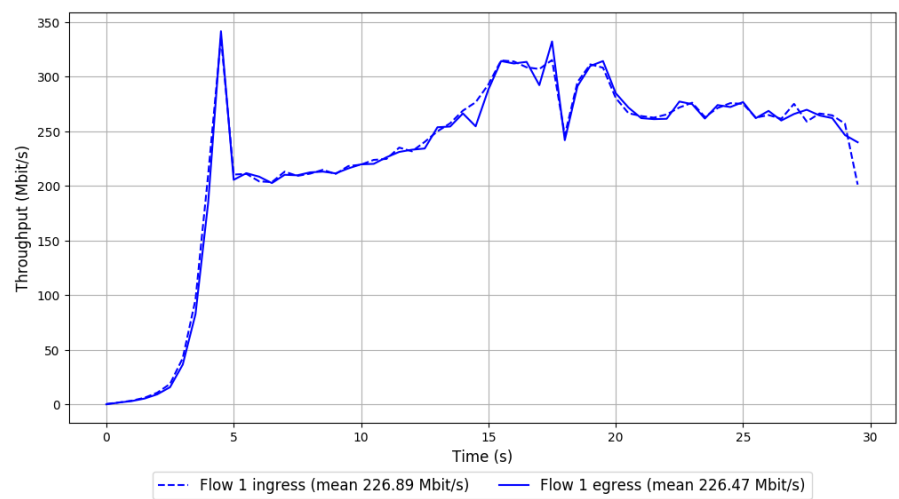
-- Flow 1:

Average throughput: 226.47 Mbit/s

95th percentile per-packet one-way delay: 115.264 ms

Loss rate: 0.40%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-01-30 15:07:46

End at: 2018-01-30 15:08:16

Below is generated by plot.py at 2018-01-30 17:29:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.97 Mbit/s

95th percentile per-packet one-way delay: 87.322 ms

Loss rate: 0.00%

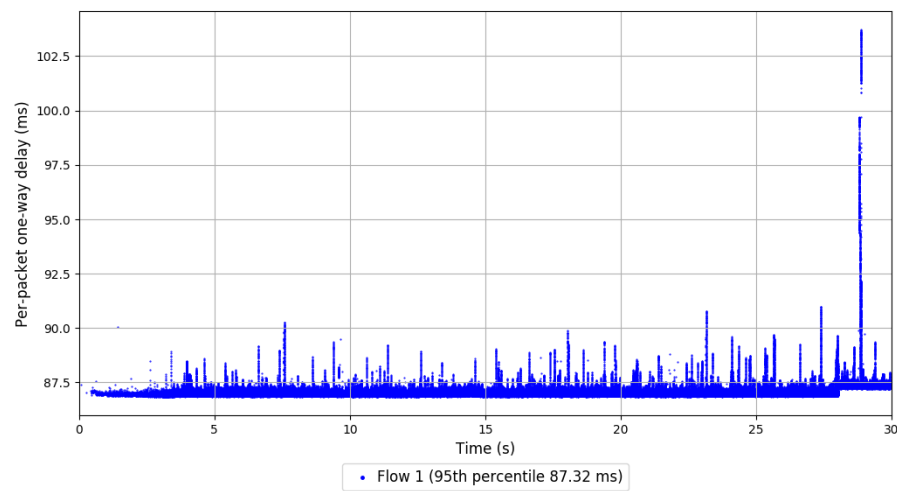
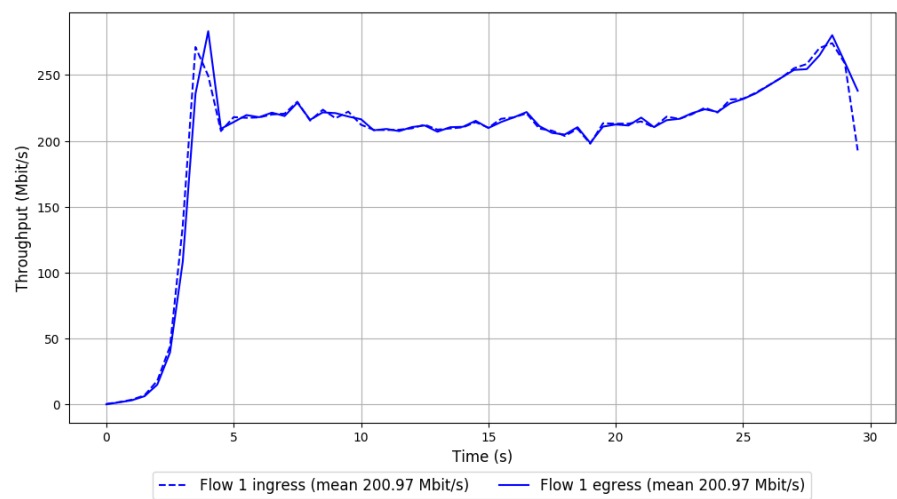
-- Flow 1:

Average throughput: 200.97 Mbit/s

95th percentile per-packet one-way delay: 87.322 ms

Loss rate: 0.00%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-01-30 15:22:20

End at: 2018-01-30 15:22:50

Below is generated by plot.py at 2018-01-30 17:32:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 274.07 Mbit/s

95th percentile per-packet one-way delay: 87.598 ms

Loss rate: 0.00%

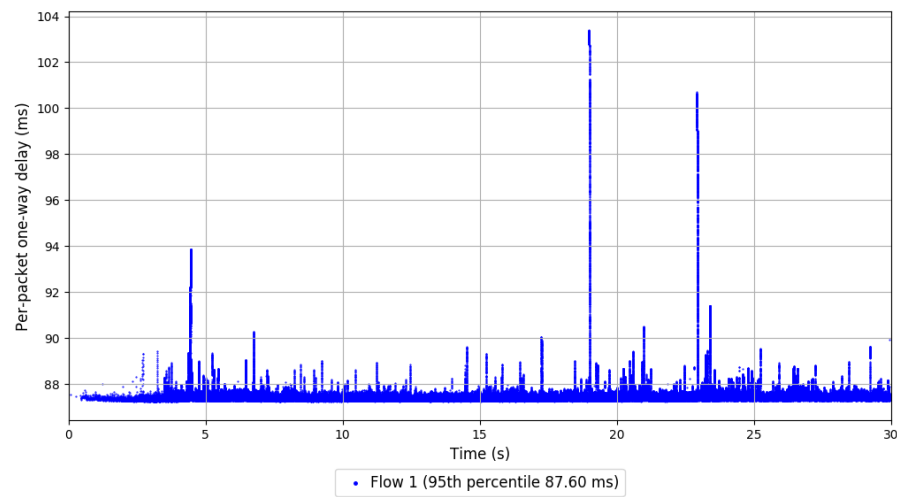
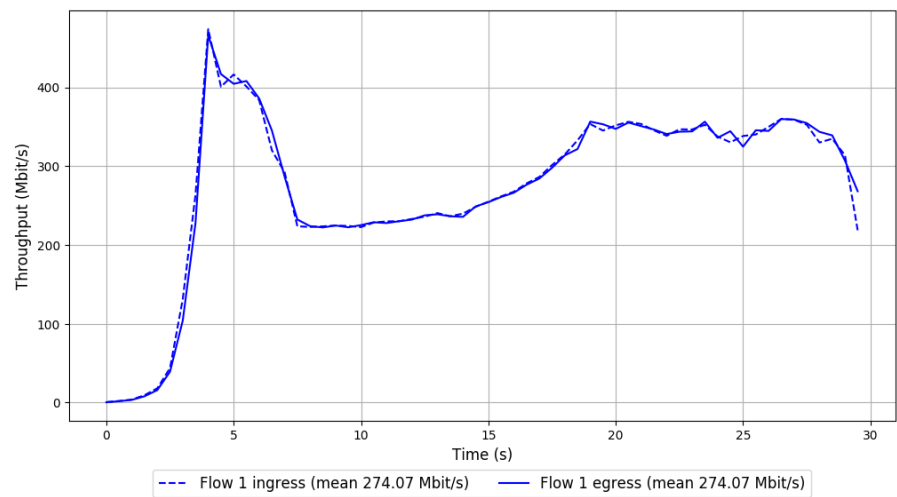
-- Flow 1:

Average throughput: 274.07 Mbit/s

95th percentile per-packet one-way delay: 87.598 ms

Loss rate: 0.00%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-01-30 15:36:40

End at: 2018-01-30 15:37:10

Below is generated by plot.py at 2018-01-30 17:32:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 252.44 Mbit/s

95th percentile per-packet one-way delay: 87.783 ms

Loss rate: 0.00%

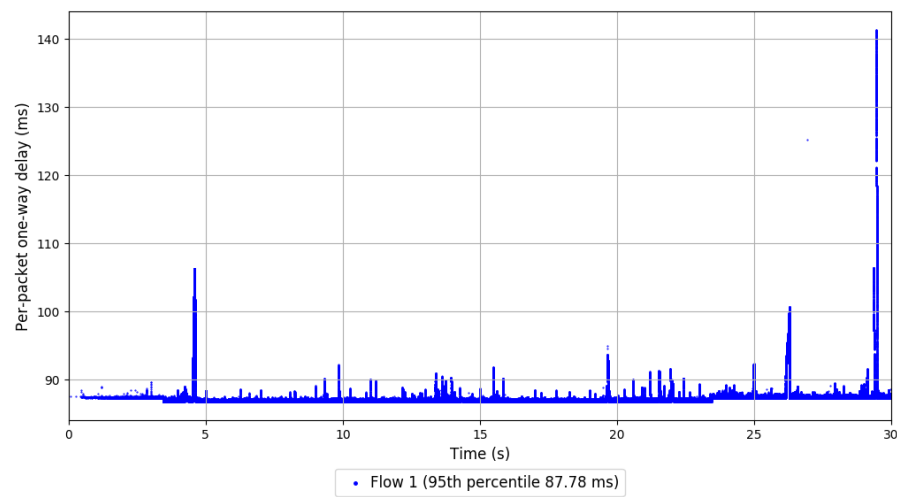
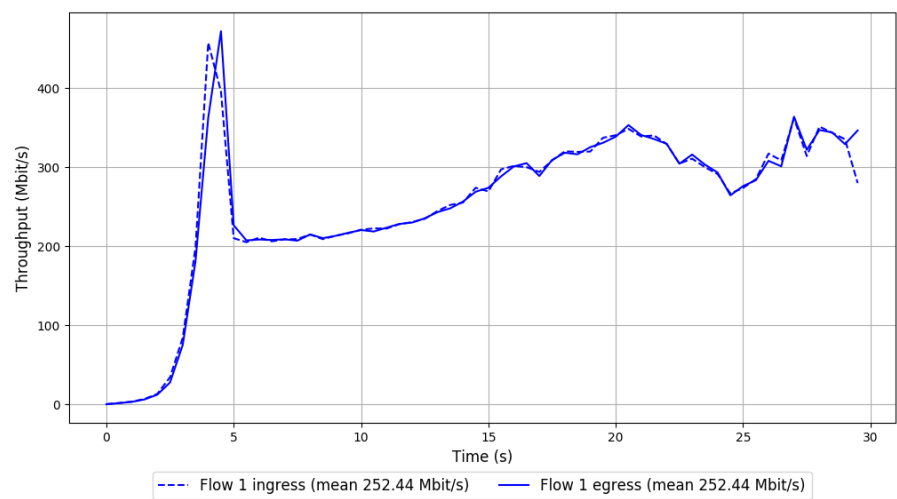
-- Flow 1:

Average throughput: 252.44 Mbit/s

95th percentile per-packet one-way delay: 87.783 ms

Loss rate: 0.00%

Run 10: Report of Vivace-latency — Data Link

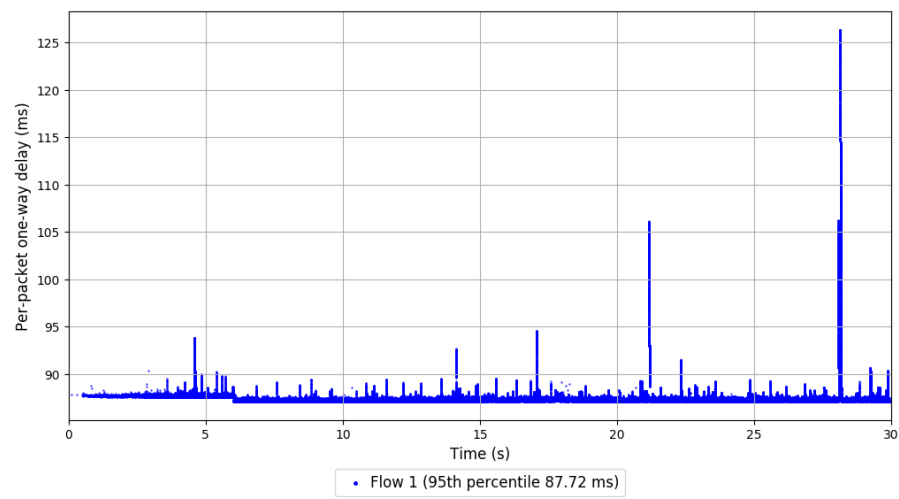
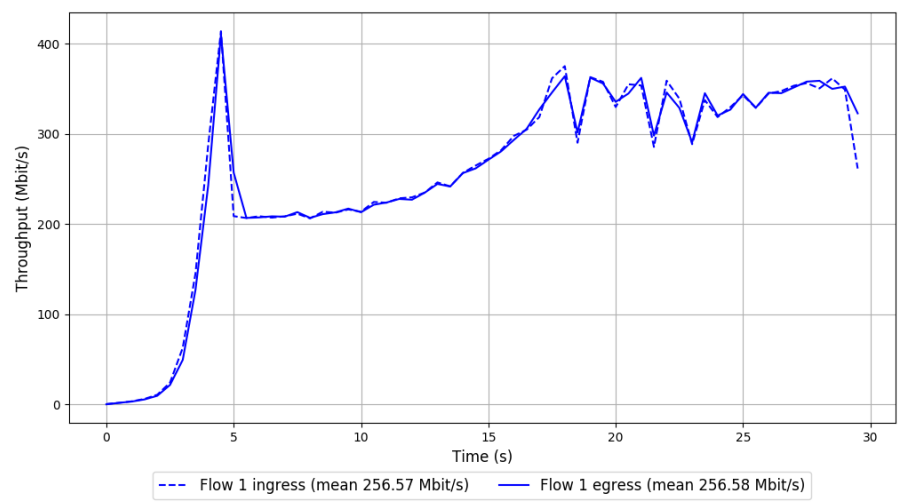


```
Run 1: Statistics of Vivace-loss

Start at: 2018-01-30 13:31:47
End at: 2018-01-30 13:32:17

# Below is generated by plot.py at 2018-01-30 17:32:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 256.58 Mbit/s
95th percentile per-packet one-way delay: 87.715 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 256.58 Mbit/s
95th percentile per-packet one-way delay: 87.715 ms
Loss rate: 0.00%
```

Run 1: Report of Vivace-loss — Data Link

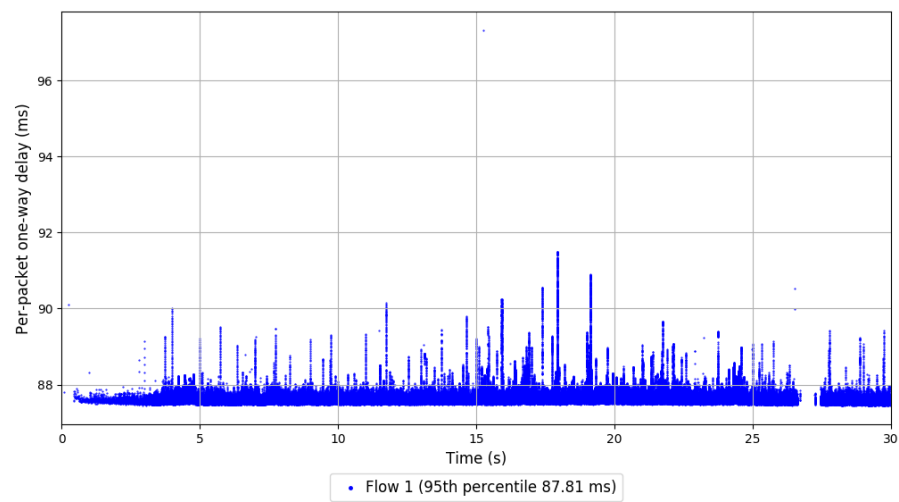
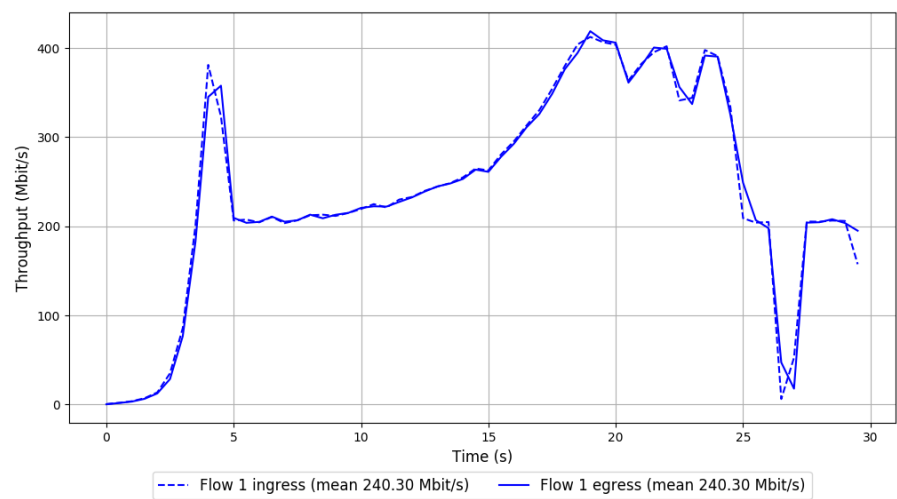


```
Run 2: Statistics of Vivace-loss

Start at: 2018-01-30 13:46:25
End at: 2018-01-30 13:46:55

# Below is generated by plot.py at 2018-01-30 17:32:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 240.30 Mbit/s
95th percentile per-packet one-way delay: 87.815 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 240.30 Mbit/s
95th percentile per-packet one-way delay: 87.815 ms
Loss rate: 0.00%
```

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-01-30 14:01:04

End at: 2018-01-30 14:01:34

Below is generated by plot.py at 2018-01-30 17:33:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 289.37 Mbit/s

95th percentile per-packet one-way delay: 87.909 ms

Loss rate: 0.00%

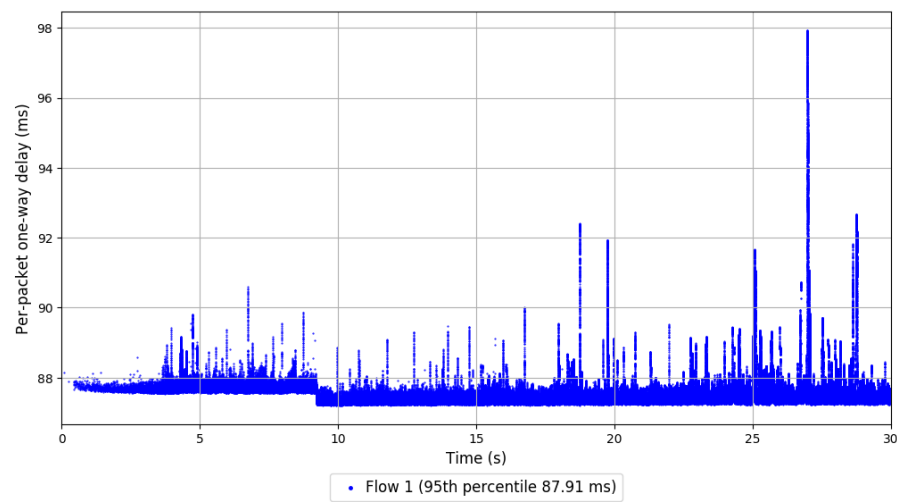
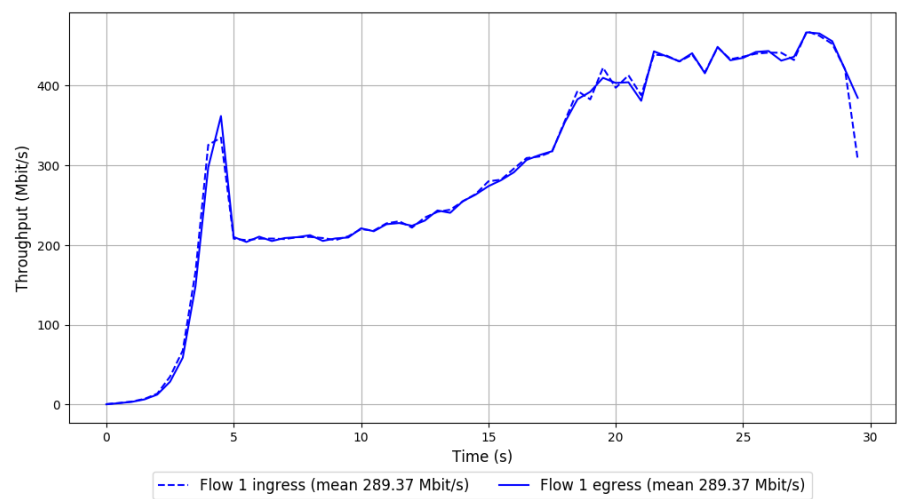
-- Flow 1:

Average throughput: 289.37 Mbit/s

95th percentile per-packet one-way delay: 87.909 ms

Loss rate: 0.00%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-01-30 14:15:23

End at: 2018-01-30 14:15:53

Below is generated by plot.py at 2018-01-30 17:35:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 331.11 Mbit/s

95th percentile per-packet one-way delay: 88.010 ms

Loss rate: 0.00%

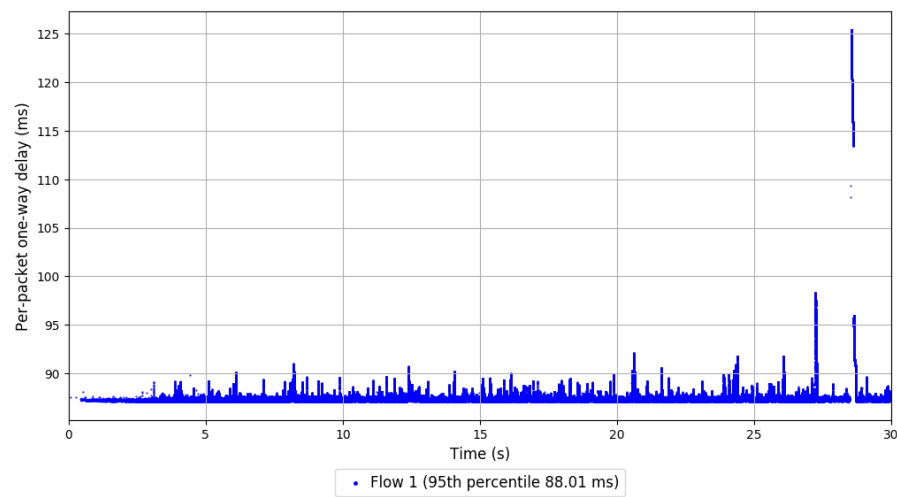
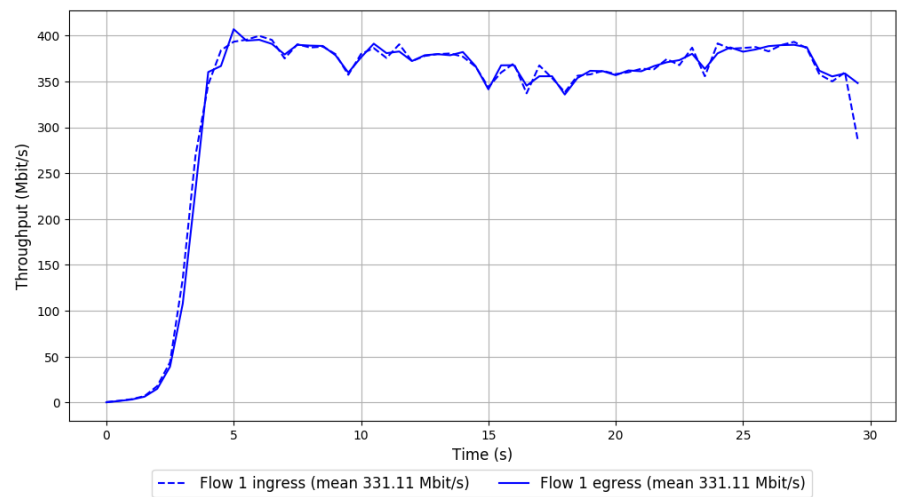
-- Flow 1:

Average throughput: 331.11 Mbit/s

95th percentile per-packet one-way delay: 88.010 ms

Loss rate: 0.00%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-01-30 14:29:53

End at: 2018-01-30 14:30:23

Below is generated by plot.py at 2018-01-30 17:36:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 323.07 Mbit/s

95th percentile per-packet one-way delay: 89.419 ms

Loss rate: 0.00%

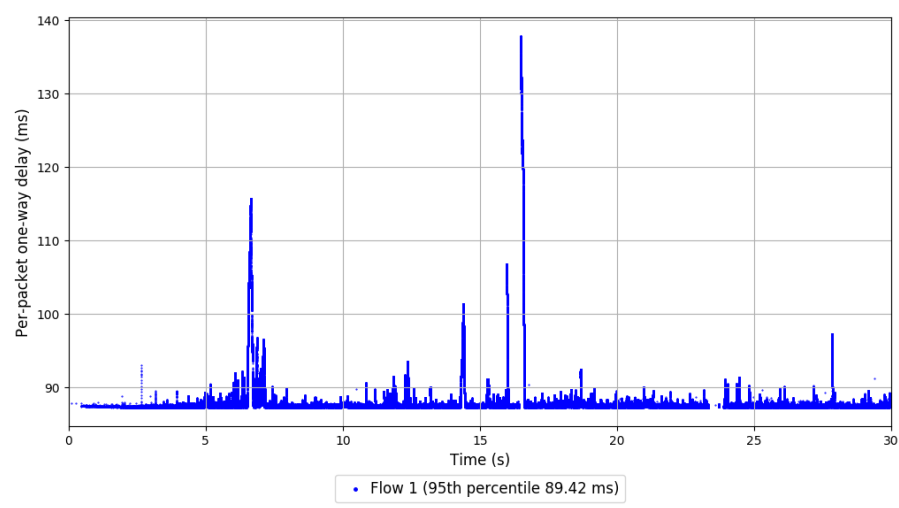
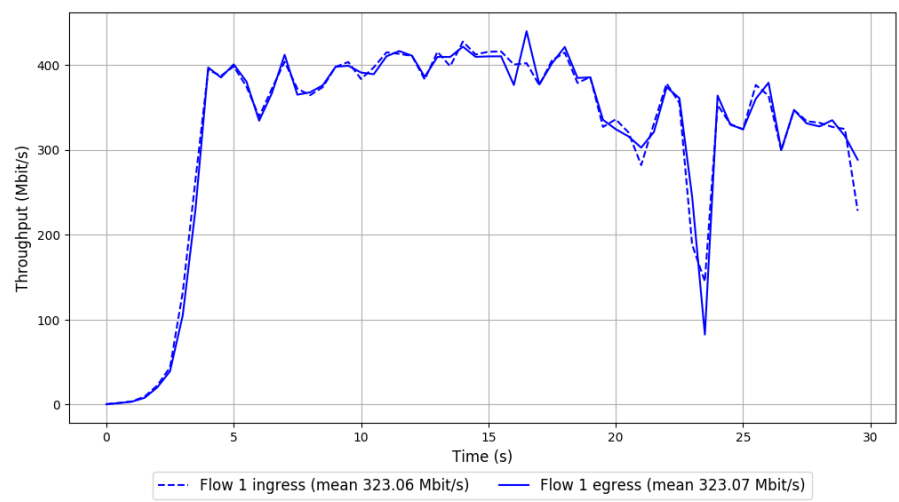
-- Flow 1:

Average throughput: 323.07 Mbit/s

95th percentile per-packet one-way delay: 89.419 ms

Loss rate: 0.00%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-01-30 14:44:29

End at: 2018-01-30 14:44:59

Below is generated by plot.py at 2018-01-30 17:36:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 266.44 Mbit/s

95th percentile per-packet one-way delay: 87.720 ms

Loss rate: 0.00%

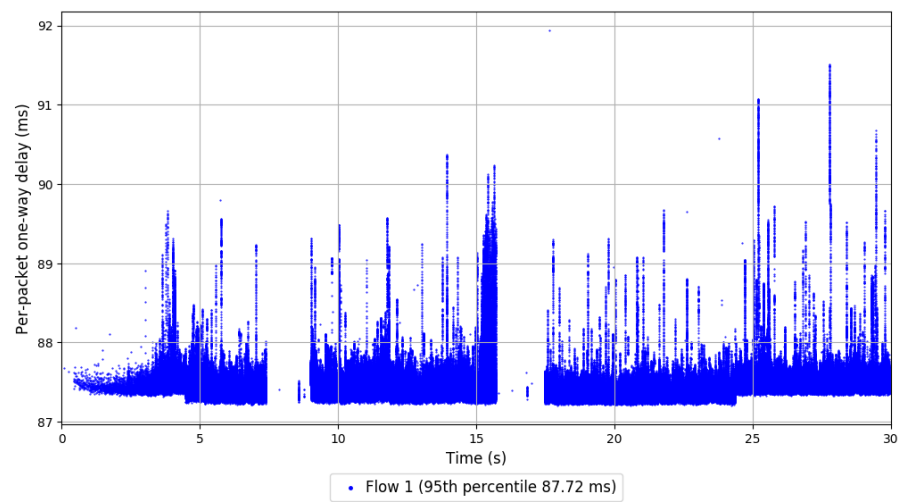
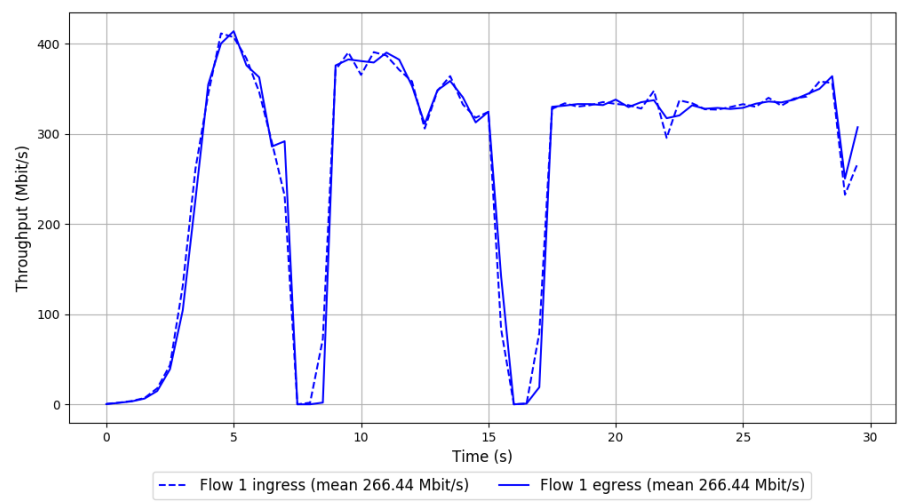
-- Flow 1:

Average throughput: 266.44 Mbit/s

95th percentile per-packet one-way delay: 87.720 ms

Loss rate: 0.00%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-01-30 14:59:02

End at: 2018-01-30 14:59:32

Below is generated by plot.py at 2018-01-30 17:36:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.00 Mbit/s

95th percentile per-packet one-way delay: 115.307 ms

Loss rate: 0.00%

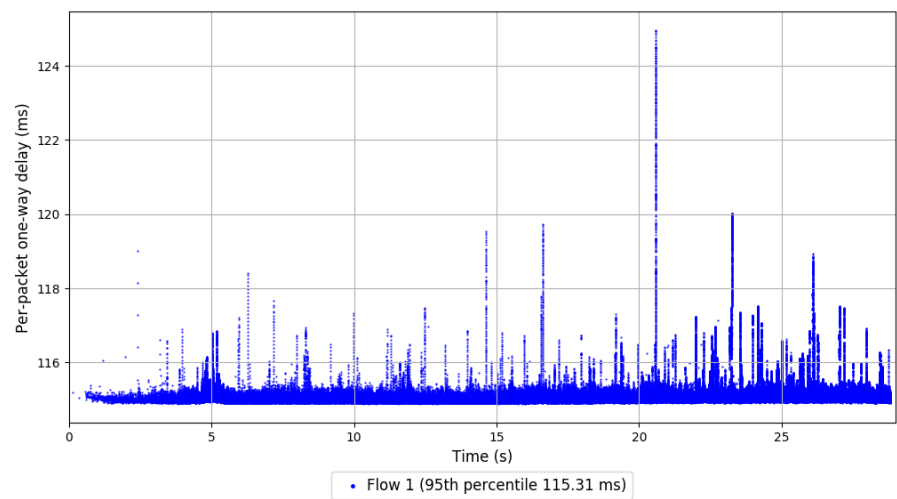
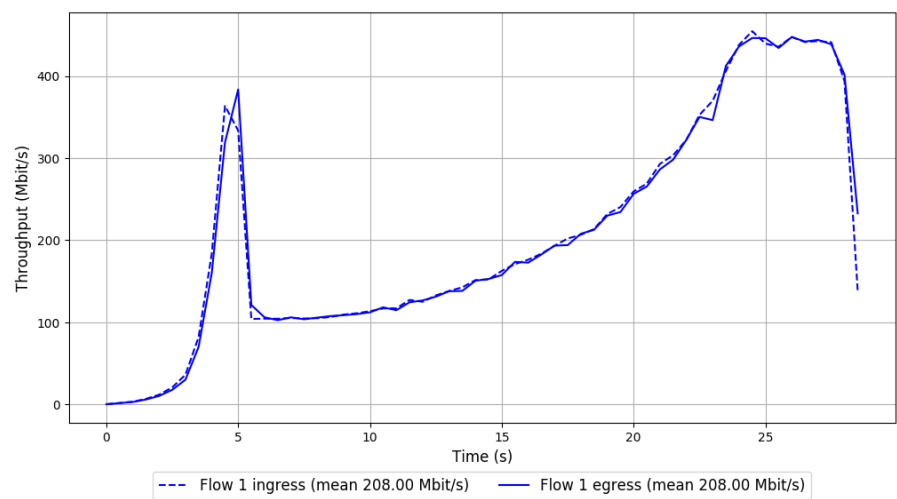
-- Flow 1:

Average throughput: 208.00 Mbit/s

95th percentile per-packet one-way delay: 115.307 ms

Loss rate: 0.00%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-01-30 15:13:37

End at: 2018-01-30 15:14:07

Below is generated by plot.py at 2018-01-30 17:37:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 266.82 Mbit/s

95th percentile per-packet one-way delay: 115.324 ms

Loss rate: 0.00%

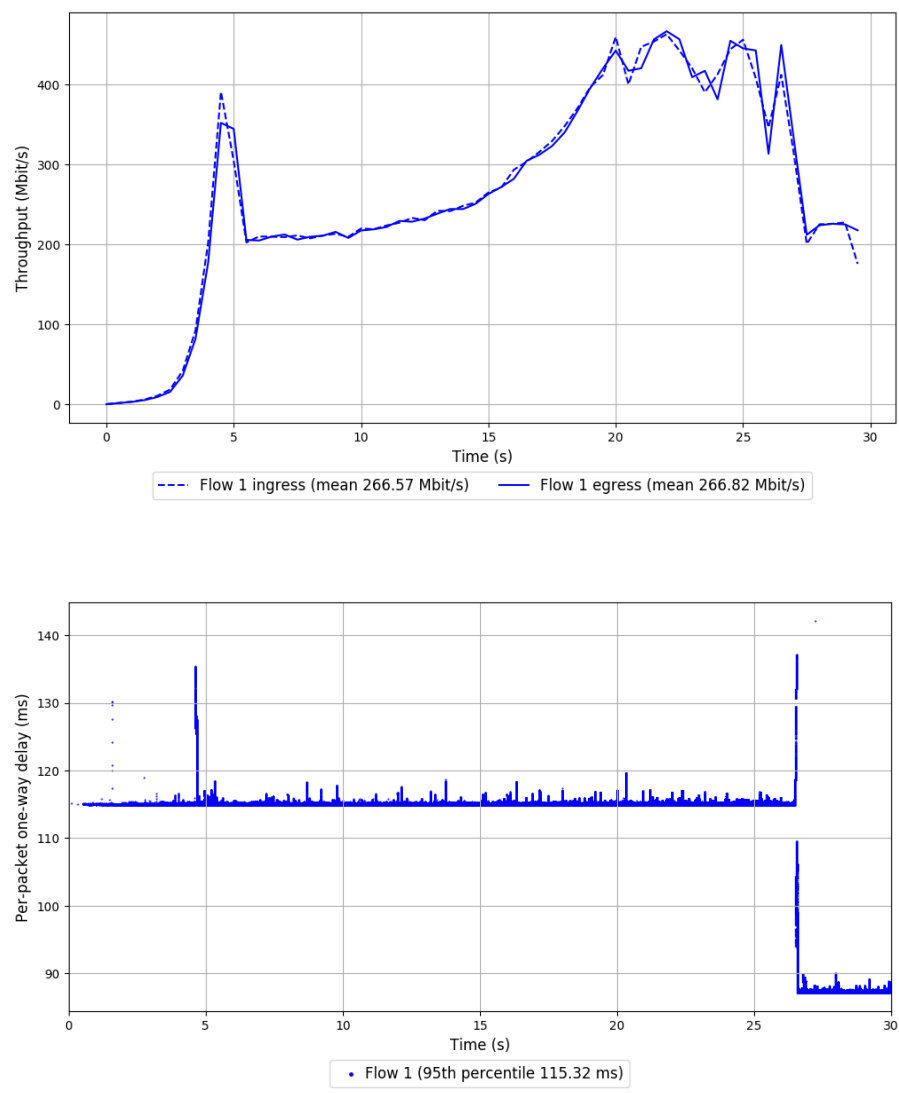
-- Flow 1:

Average throughput: 266.82 Mbit/s

95th percentile per-packet one-way delay: 115.324 ms

Loss rate: 0.00%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-01-30 15:28:01

End at: 2018-01-30 15:28:31

Below is generated by plot.py at 2018-01-30 17:37:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.88 Mbit/s

95th percentile per-packet one-way delay: 87.976 ms

Loss rate: 0.07%

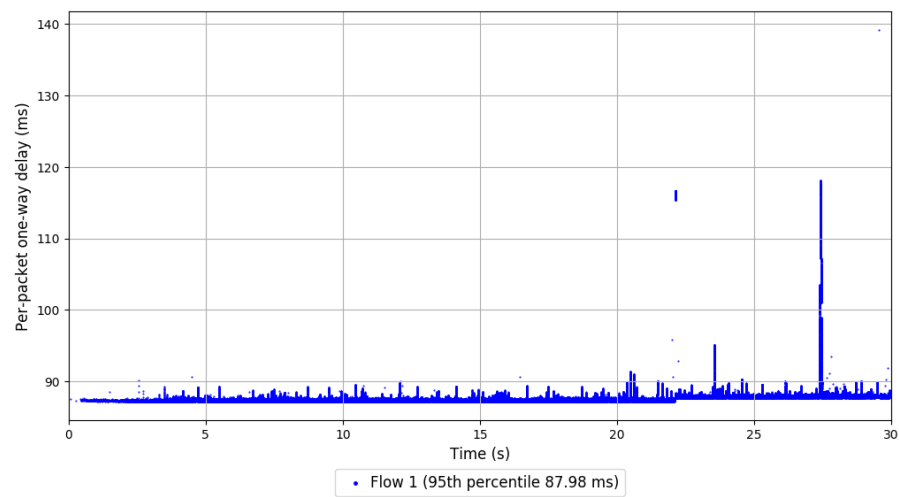
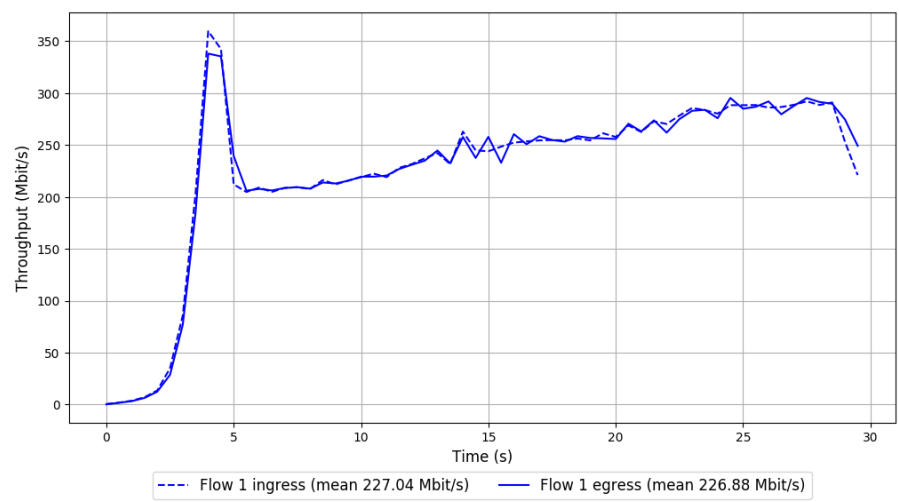
-- Flow 1:

Average throughput: 226.88 Mbit/s

95th percentile per-packet one-way delay: 87.976 ms

Loss rate: 0.07%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-01-30 15:42:22

End at: 2018-01-30 15:42:53

Below is generated by plot.py at 2018-01-30 17:37:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 263.21 Mbit/s

95th percentile per-packet one-way delay: 87.845 ms

Loss rate: 0.00%

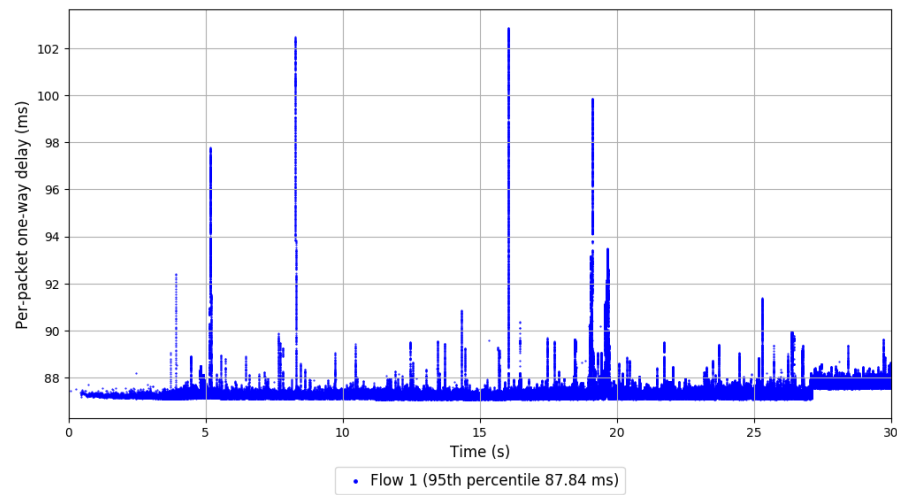
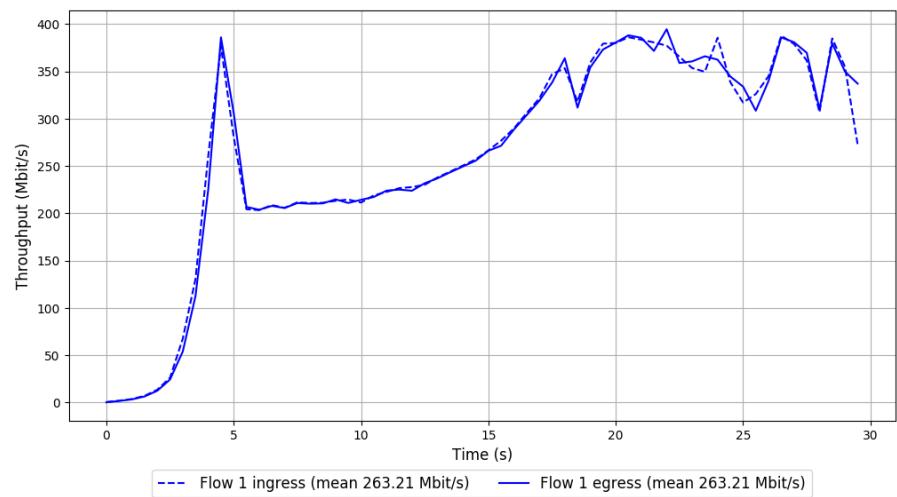
-- Flow 1:

Average throughput: 263.21 Mbit/s

95th percentile per-packet one-way delay: 87.845 ms

Loss rate: 0.00%

Run 10: Report of Vivace-loss — Data Link

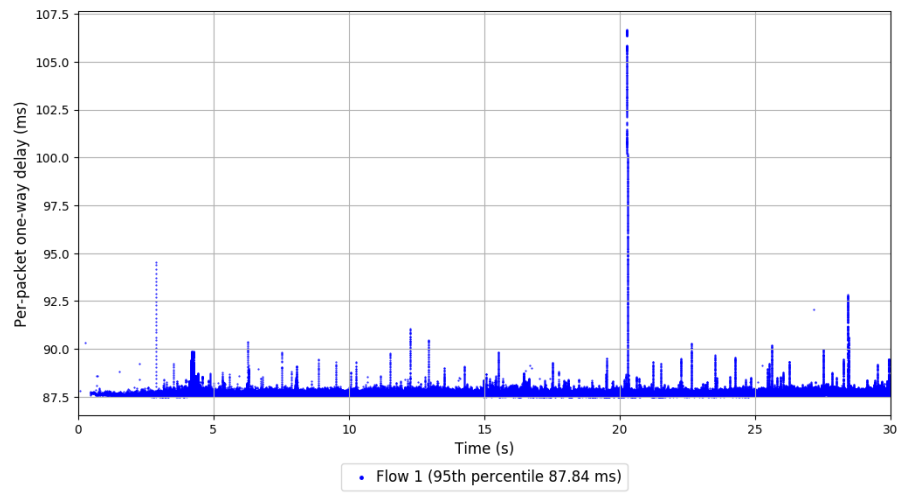
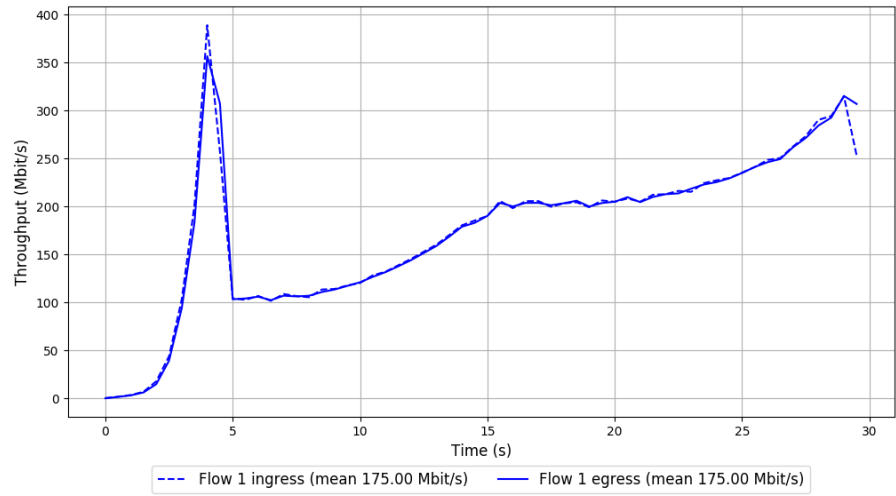


```
Run 1: Statistics of Vivace-LTE

Start at: 2018-01-30 13:32:49
End at: 2018-01-30 13:33:19

# Below is generated by plot.py at 2018-01-30 17:37:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 175.00 Mbit/s
95th percentile per-packet one-way delay: 87.836 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 175.00 Mbit/s
95th percentile per-packet one-way delay: 87.836 ms
Loss rate: 0.00%
```


Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-01-30 13:47:24

End at: 2018-01-30 13:47:54

Below is generated by plot.py at 2018-01-30 17:39:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.19 Mbit/s

95th percentile per-packet one-way delay: 115.021 ms

Loss rate: 0.00%

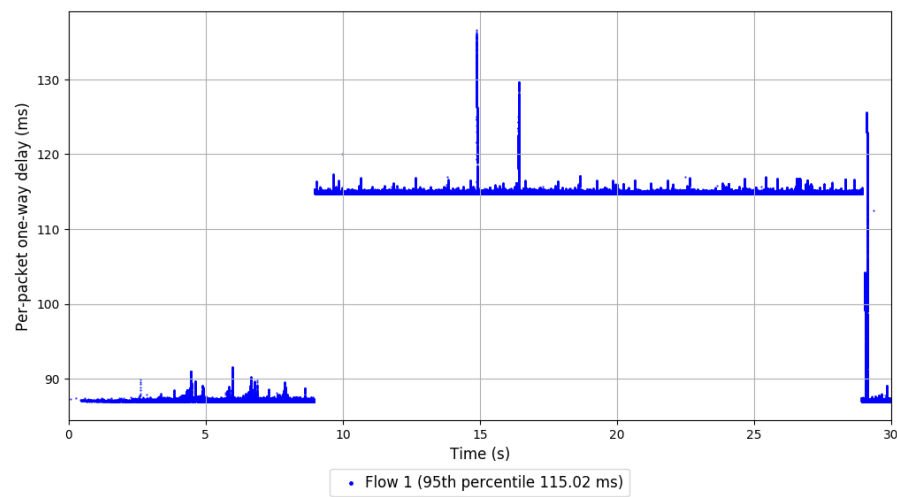
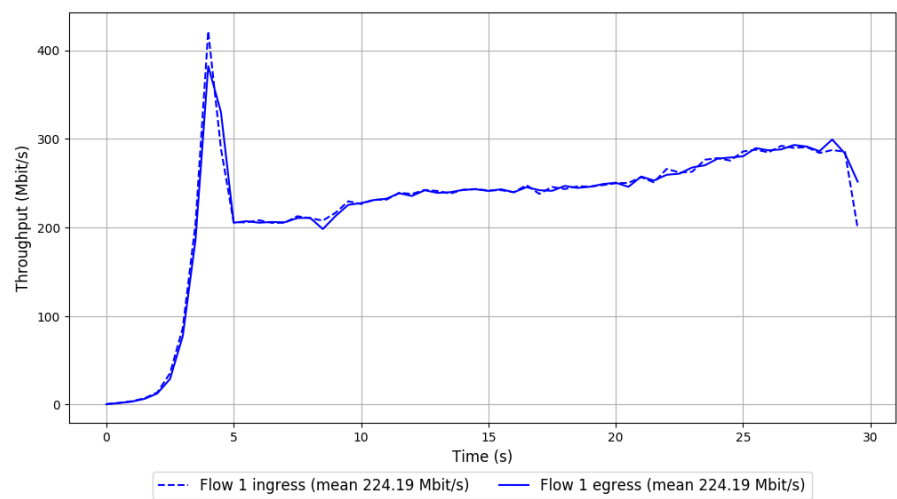
-- Flow 1:

Average throughput: 224.19 Mbit/s

95th percentile per-packet one-way delay: 115.021 ms

Loss rate: 0.00%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-01-30 14:02:08

End at: 2018-01-30 14:02:38

Below is generated by plot.py at 2018-01-30 17:39:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.45 Mbit/s

95th percentile per-packet one-way delay: 114.786 ms

Loss rate: 0.00%

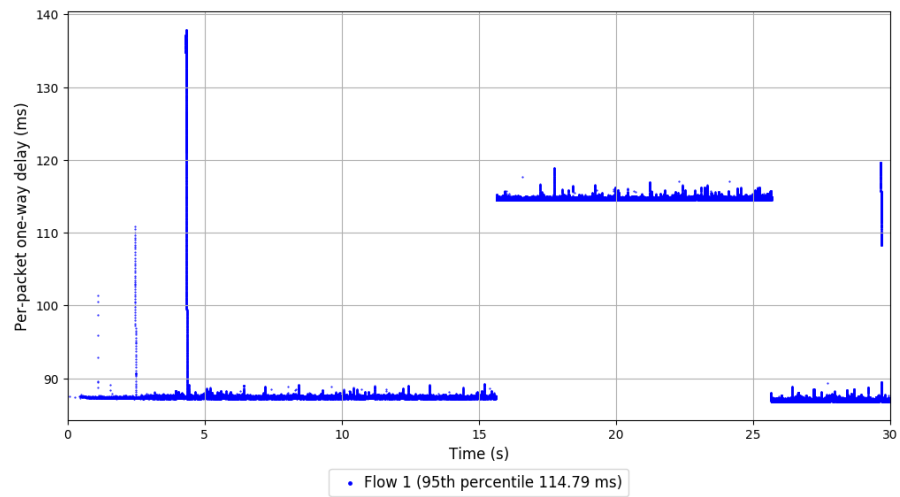
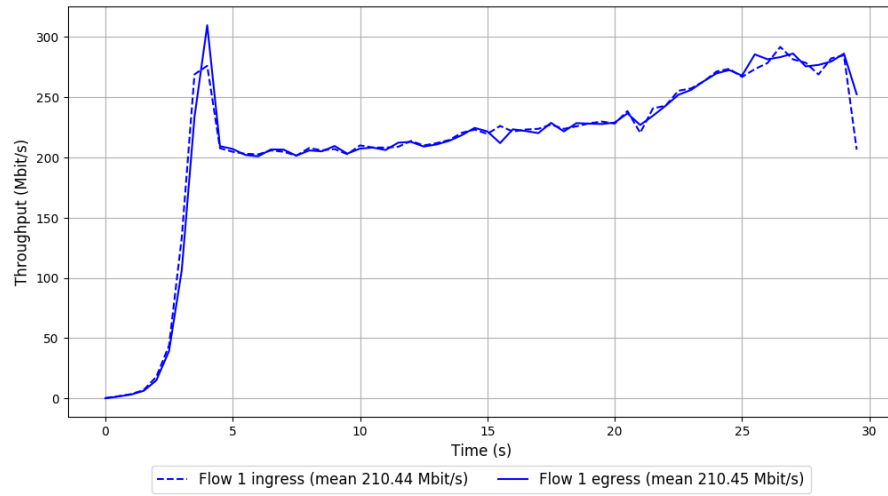
-- Flow 1:

Average throughput: 210.45 Mbit/s

95th percentile per-packet one-way delay: 114.786 ms

Loss rate: 0.00%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-01-30 14:16:29

End at: 2018-01-30 14:16:59

Below is generated by plot.py at 2018-01-30 17:40:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 271.04 Mbit/s

95th percentile per-packet one-way delay: 87.461 ms

Loss rate: 0.63%

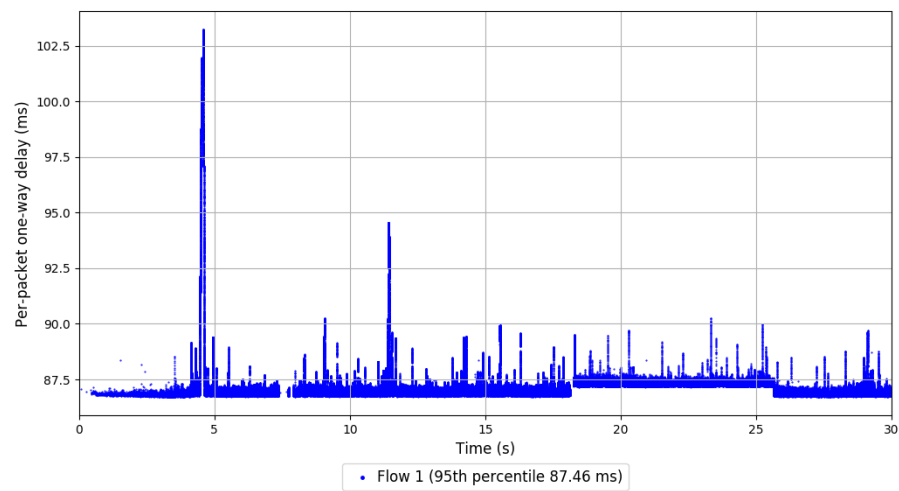
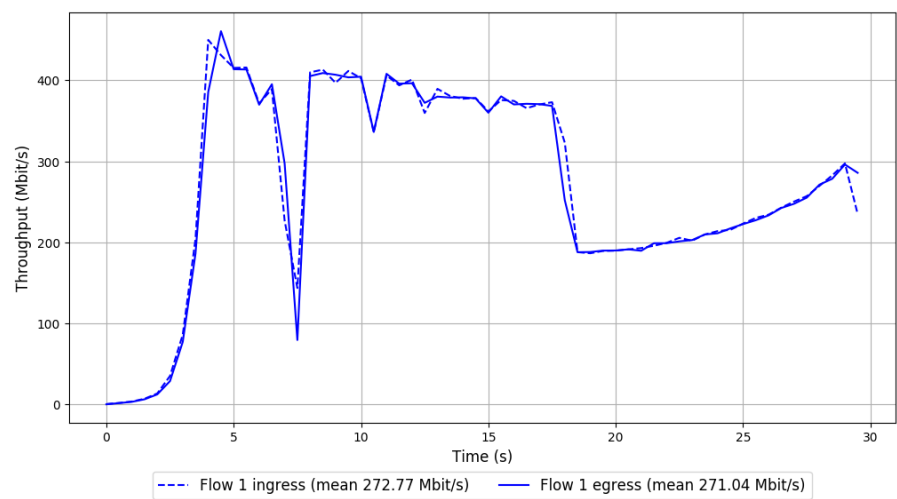
-- Flow 1:

Average throughput: 271.04 Mbit/s

95th percentile per-packet one-way delay: 87.461 ms

Loss rate: 0.63%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-01-30 14:30:58

End at: 2018-01-30 14:31:28

Below is generated by plot.py at 2018-01-30 17:40:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 228.17 Mbit/s

95th percentile per-packet one-way delay: 87.203 ms

Loss rate: 0.00%

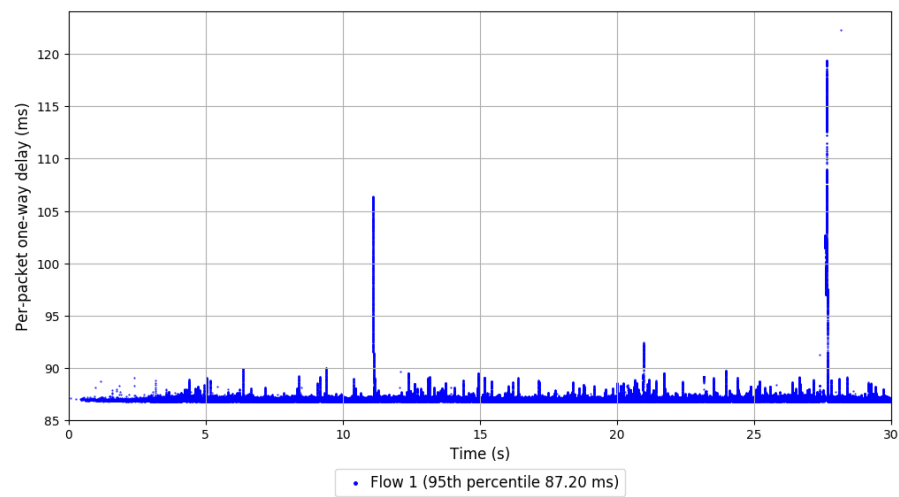
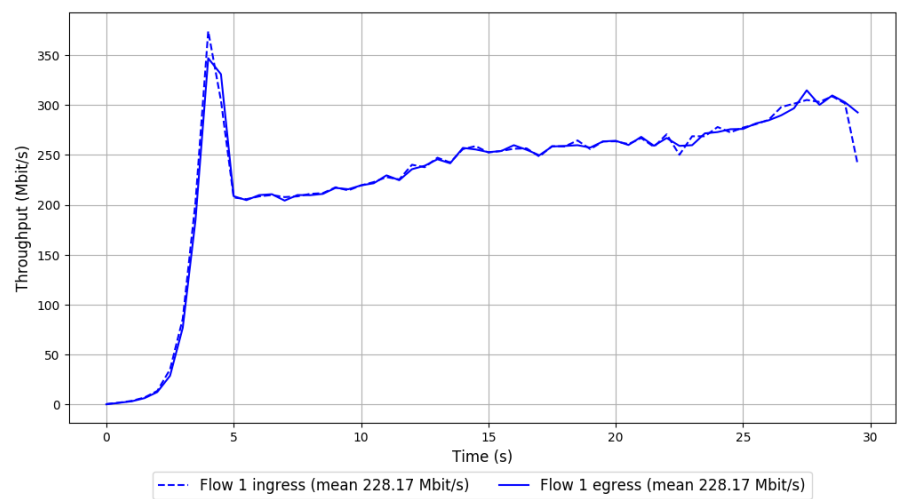
-- Flow 1:

Average throughput: 228.17 Mbit/s

95th percentile per-packet one-way delay: 87.203 ms

Loss rate: 0.00%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-01-30 14:45:30

End at: 2018-01-30 14:46:00

Below is generated by plot.py at 2018-01-30 17:40:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 233.92 Mbit/s

95th percentile per-packet one-way delay: 88.081 ms

Loss rate: 0.00%

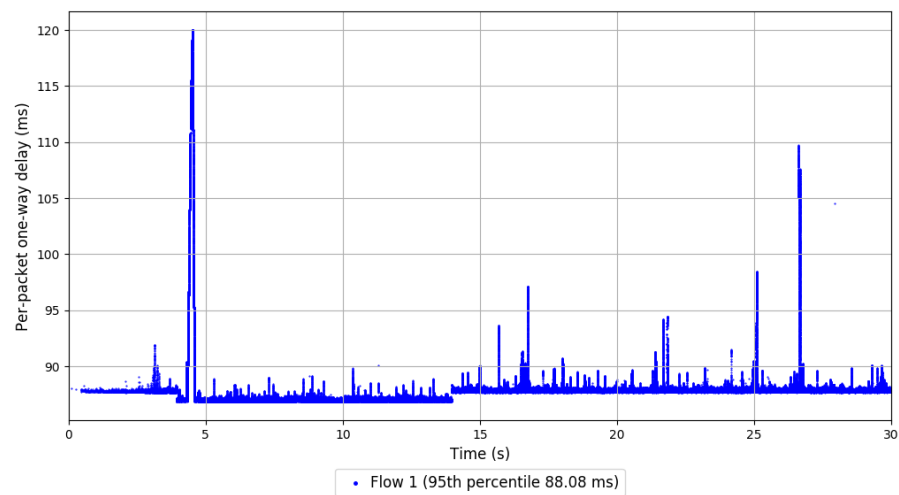
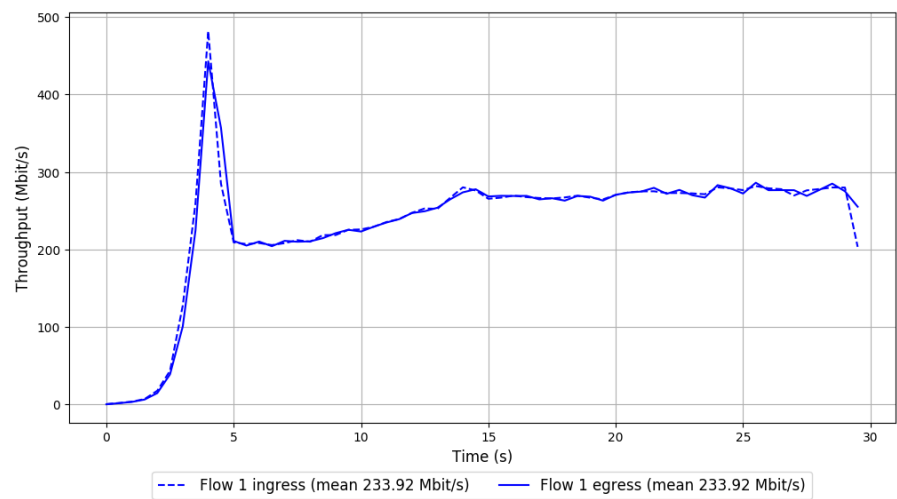
-- Flow 1:

Average throughput: 233.92 Mbit/s

95th percentile per-packet one-way delay: 88.081 ms

Loss rate: 0.00%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-01-30 14:59:59

End at: 2018-01-30 15:00:29

Below is generated by plot.py at 2018-01-30 17:40:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 201.91 Mbit/s

95th percentile per-packet one-way delay: 115.417 ms

Loss rate: 0.00%

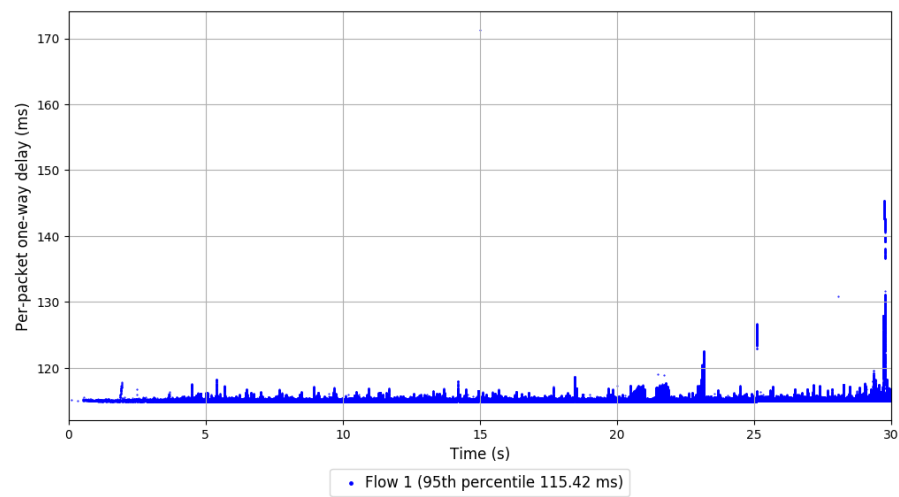
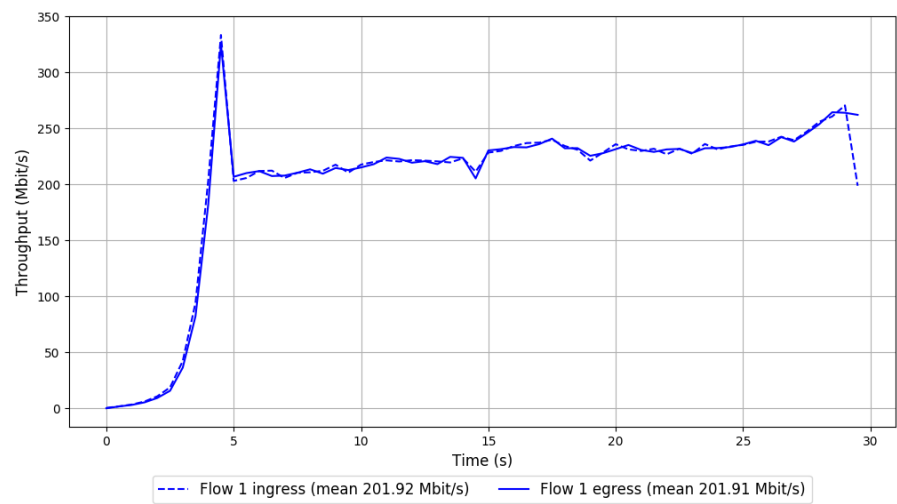
-- Flow 1:

Average throughput: 201.91 Mbit/s

95th percentile per-packet one-way delay: 115.417 ms

Loss rate: 0.00%

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-01-30 15:14:38

End at: 2018-01-30 15:15:08

Below is generated by plot.py at 2018-01-30 17:41:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.26 Mbit/s

95th percentile per-packet one-way delay: 87.918 ms

Loss rate: 0.00%

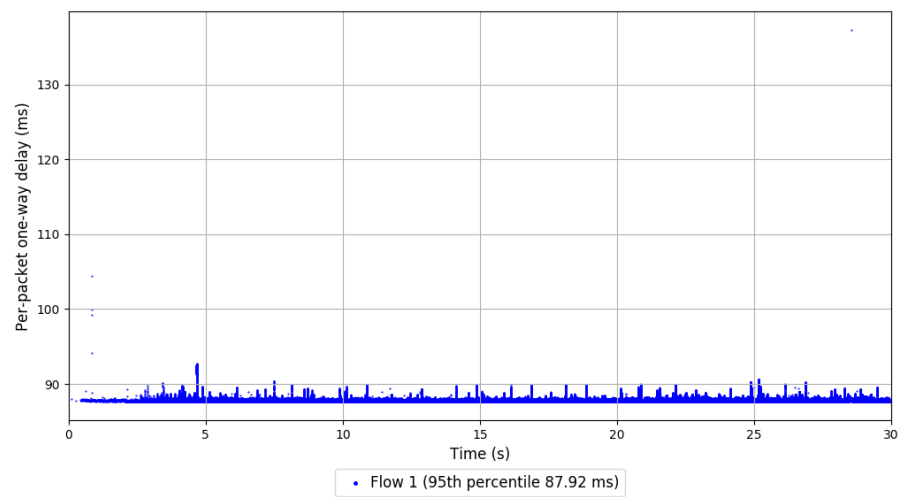
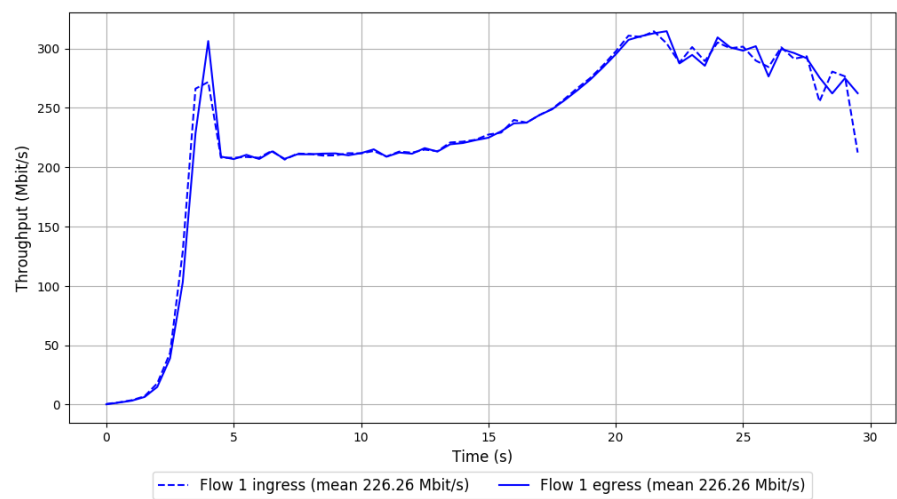
-- Flow 1:

Average throughput: 226.26 Mbit/s

95th percentile per-packet one-way delay: 87.918 ms

Loss rate: 0.00%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-01-30 15:29:00

End at: 2018-01-30 15:29:30

Below is generated by plot.py at 2018-01-30 17:41:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.16 Mbit/s

95th percentile per-packet one-way delay: 87.862 ms

Loss rate: 0.00%

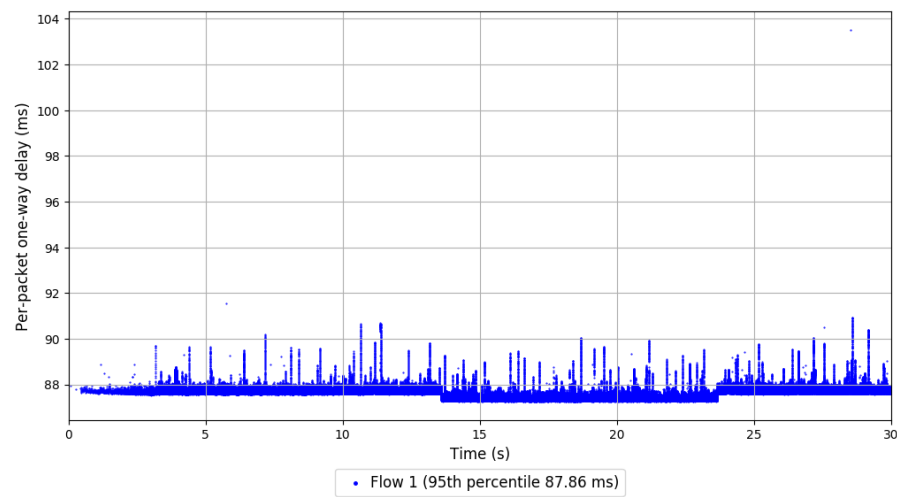
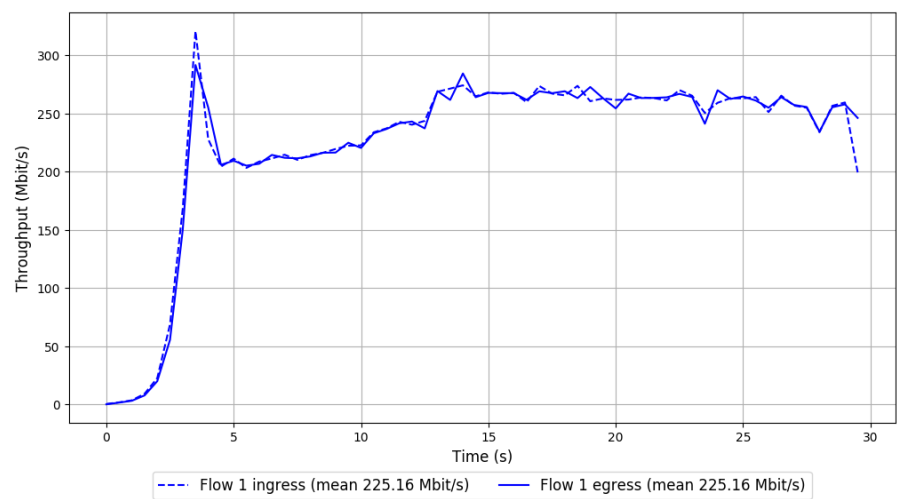
-- Flow 1:

Average throughput: 225.16 Mbit/s

95th percentile per-packet one-way delay: 87.862 ms

Loss rate: 0.00%

Run 9: Report of Vivace-LTE — Data Link



```
Run 10: Statistics of Vivace-LTE

Start at: 2018-01-30 15:43:22
End at: 2018-01-30 15:43:52

# Below is generated by plot.py at 2018-01-30 17:41:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 199.51 Mbit/s
95th percentile per-packet one-way delay: 87.994 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 199.51 Mbit/s
95th percentile per-packet one-way delay: 87.994 ms
Loss rate: 0.00%
```

Run 10: Report of Vivace-LTE — Data Link

