

Pantheon Report

Generated at 2018-01-25 12:29:02 (UTC).

Data path: China Ethernet (*remote*) → AWS Korea Ethernet (*local*).

Repeated the test of 15 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).

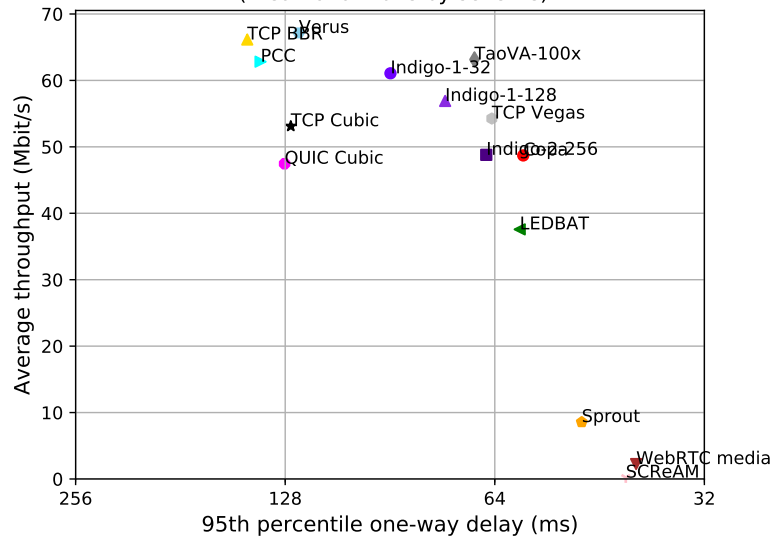
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against `ntp.nict.jp` and have been applied to correct the timestamps in logs.

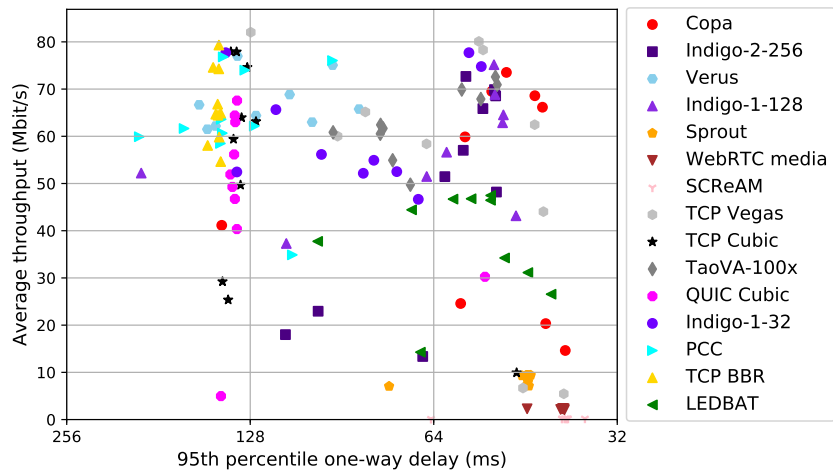
Git summary:

```
branch: master @ 636f858be90392c1dac0ee13c40fd1646f45f9e2
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ ec9585325218d5048c4d4152fa42240af54c6e67
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeab30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 423cbca3e8ea1d599e7b5cf725835e8a2b6bfac6
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from China Ethernet to AWS Korea Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from China Ethernet to AWS Korea Ethernet, 10 runs of 30s each per scheme



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	66.16	145.12	1.97
TCP Cubic	10	53.11	125.66	0.96
LEDBAT	10	37.57	58.94	0.51
PCC	10	62.82	138.86	0.94
QUIC Cubic	10	47.46	128.25	0.88
SCReAM	9	0.21	41.50	0.30
WebRTC media	7	2.24	40.10	0.37
Sprout	10	8.57	48.01	0.35
TaoVA-100x	10	63.14	68.45	1.14
TCP Vegas	10	54.26	64.63	0.26
Verus	9	67.16	122.38	1.02
Copa	9	48.71	58.25	0.47
Indigo-2-256	10	48.80	65.83	0.27
Indigo-1-32	10	61.07	90.37	1.47
Indigo-1-128	9	56.91	75.42	0.54

Run 1: Statistics of TCP BBR

Start at: 2018-01-25 06:02:26

End at: 2018-01-25 06:02:56

Local clock offset: 1.339 ms

Remote clock offset: -3.054 ms

Below is generated by plot.py at 2018-01-25 12:15:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.64 Mbit/s

95th percentile per-packet one-way delay: 143.109 ms

Loss rate: 1.17%

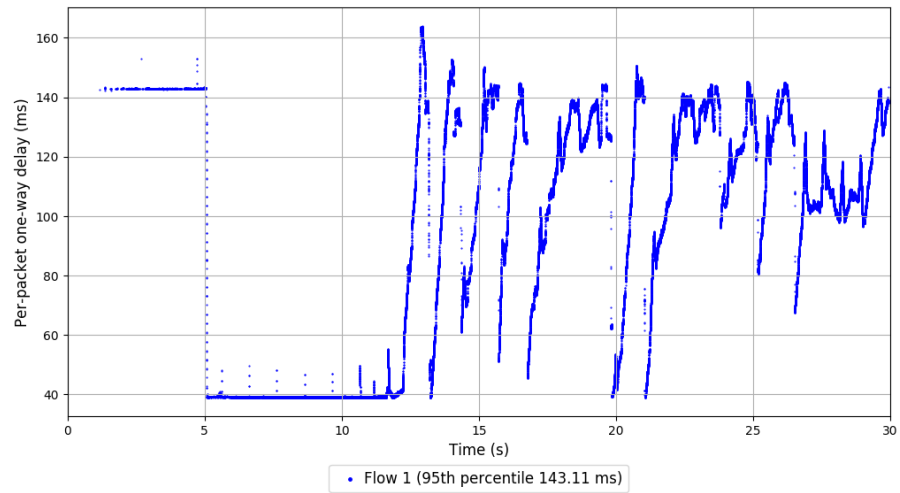
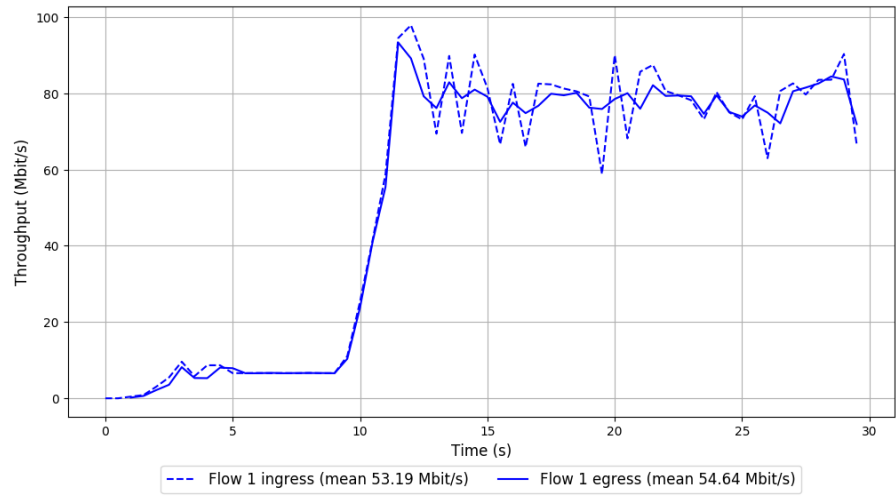
-- Flow 1:

Average throughput: 54.64 Mbit/s

95th percentile per-packet one-way delay: 143.109 ms

Loss rate: 1.17%

Run 1: Report of TCP BBR — Data Link

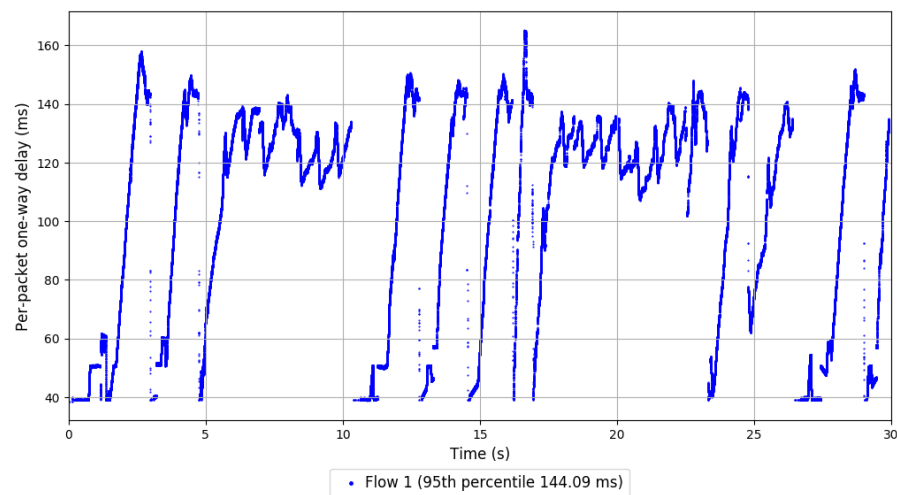
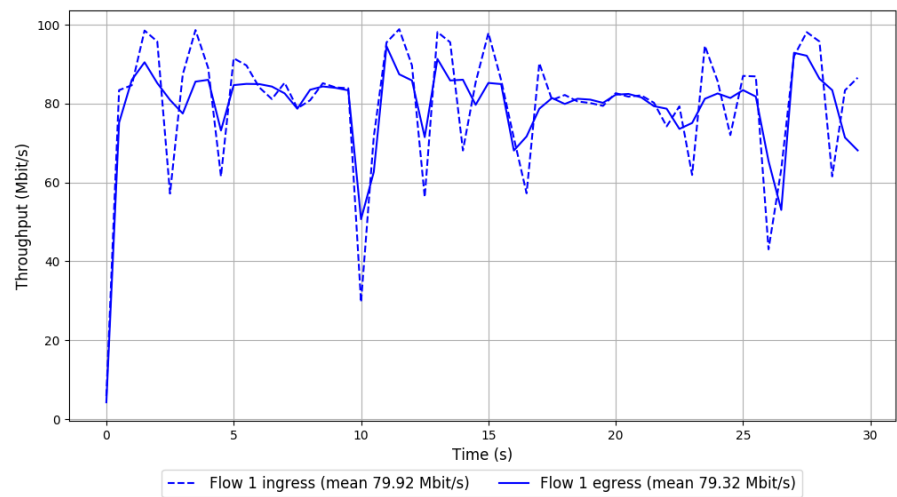


Run 2: Statistics of TCP BBR

Start at: 2018-01-25 06:21:45
End at: 2018-01-25 06:22:15
Local clock offset: 1.932 ms
Remote clock offset: -2.001 ms

Below is generated by plot.py at 2018-01-25 12:16:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.32 Mbit/s
95th percentile per-packet one-way delay: 144.093 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 79.32 Mbit/s
95th percentile per-packet one-way delay: 144.093 ms
Loss rate: 1.03%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-01-25 06:40:54

End at: 2018-01-25 06:41:24

Local clock offset: 1.887 ms

Remote clock offset: -0.911 ms

Below is generated by plot.py at 2018-01-25 12:16:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.59 Mbit/s

95th percentile per-packet one-way delay: 147.238 ms

Loss rate: 1.79%

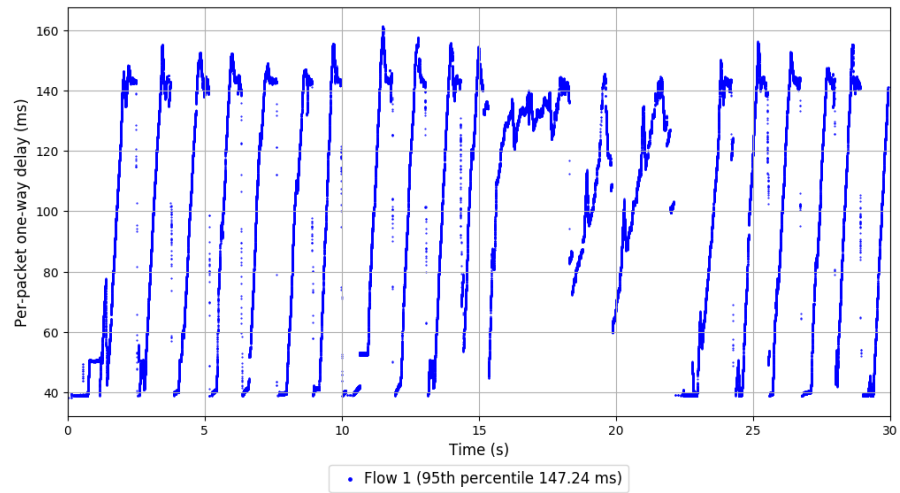
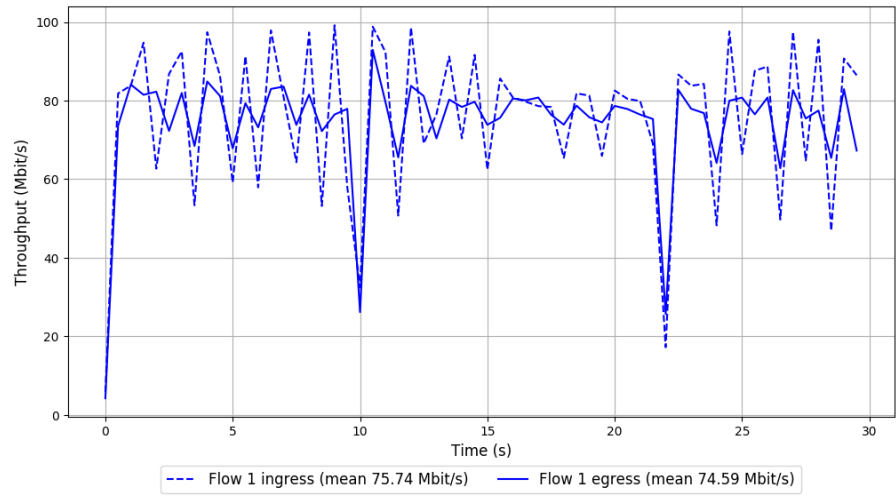
-- Flow 1:

Average throughput: 74.59 Mbit/s

95th percentile per-packet one-way delay: 147.238 ms

Loss rate: 1.79%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-01-25 07:00:04

End at: 2018-01-25 07:00:34

Local clock offset: 1.946 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-01-25 12:16:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.29 Mbit/s

95th percentile per-packet one-way delay: 144.147 ms

Loss rate: 1.28%

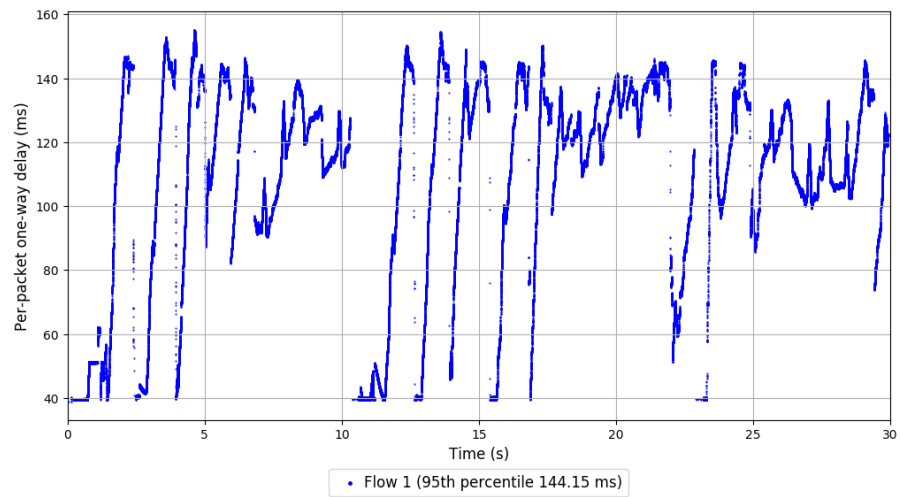
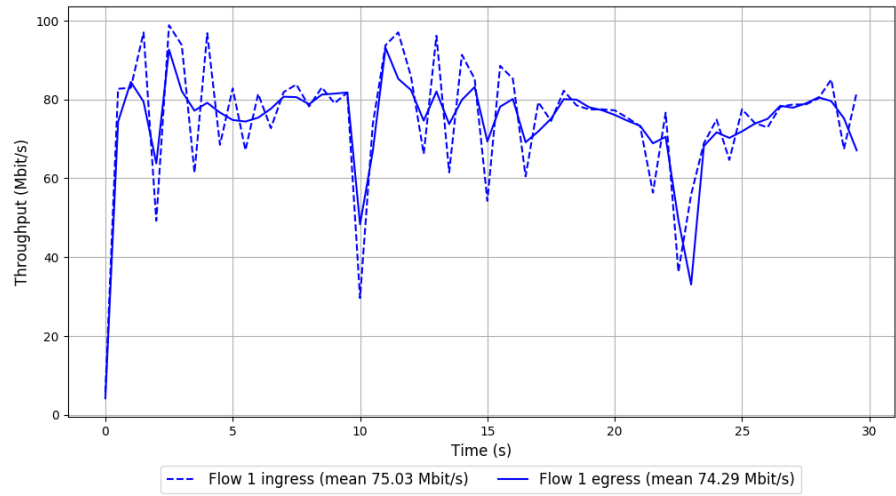
-- Flow 1:

Average throughput: 74.29 Mbit/s

95th percentile per-packet one-way delay: 144.147 ms

Loss rate: 1.28%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-01-25 07:19:10

End at: 2018-01-25 07:19:41

Local clock offset: 1.428 ms

Remote clock offset: 0.751 ms

Below is generated by plot.py at 2018-01-25 12:16:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.91 Mbit/s

95th percentile per-packet one-way delay: 143.154 ms

Loss rate: 1.77%

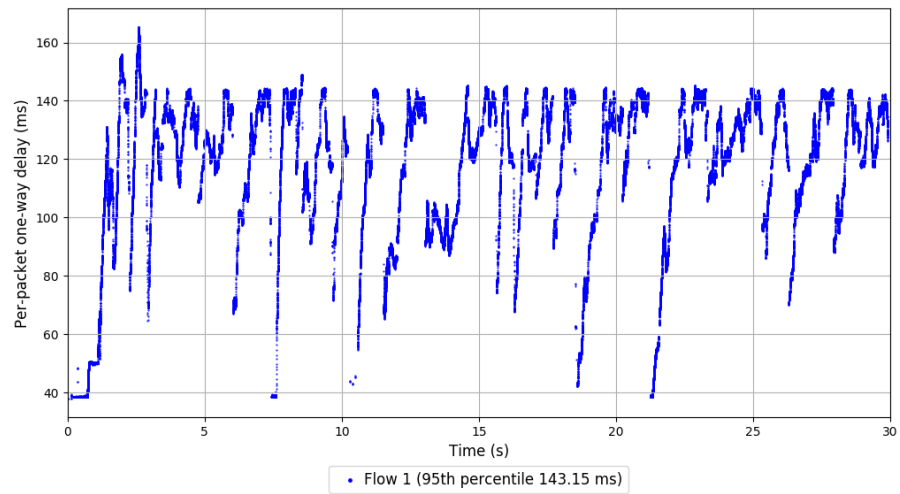
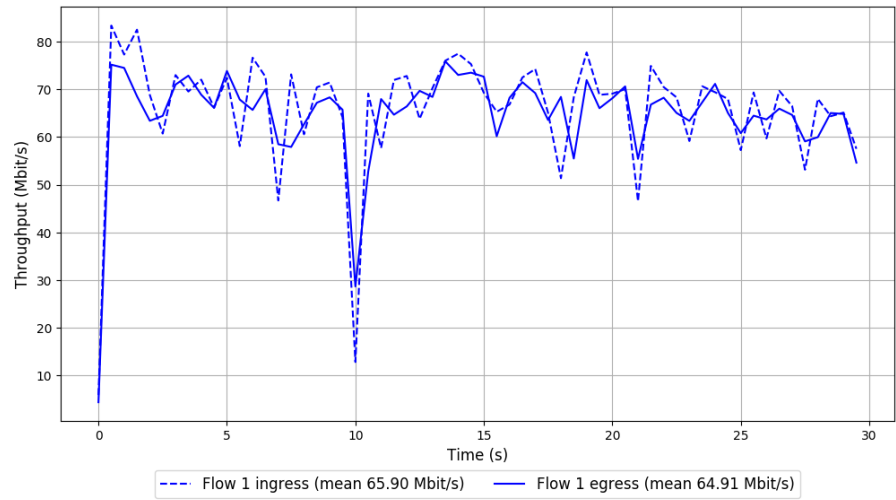
-- Flow 1:

Average throughput: 64.91 Mbit/s

95th percentile per-packet one-way delay: 143.154 ms

Loss rate: 1.77%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-01-25 07:38:12

End at: 2018-01-25 07:38:42

Local clock offset: 1.215 ms

Remote clock offset: 0.786 ms

Below is generated by plot.py at 2018-01-25 12:16:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.69 Mbit/s

95th percentile per-packet one-way delay: 145.812 ms

Loss rate: 2.63%

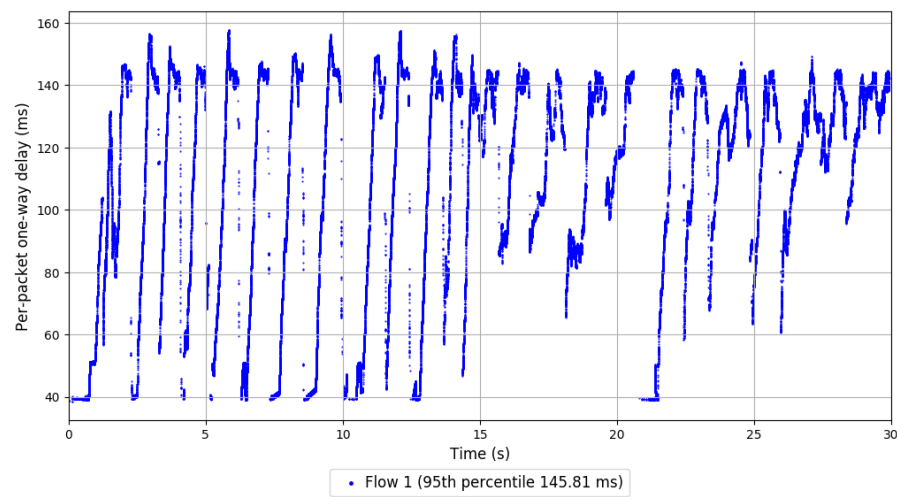
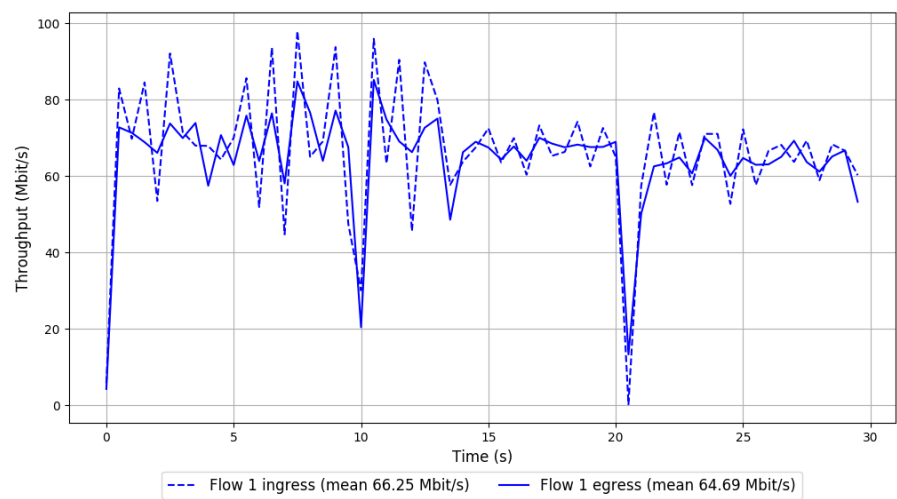
-- Flow 1:

Average throughput: 64.69 Mbit/s

95th percentile per-packet one-way delay: 145.812 ms

Loss rate: 2.63%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-01-25 07:57:13

End at: 2018-01-25 07:57:43

Local clock offset: 0.588 ms

Remote clock offset: 0.757 ms

Below is generated by plot.py at 2018-01-25 12:16:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.83 Mbit/s

95th percentile per-packet one-way delay: 143.937 ms

Loss rate: 3.18%

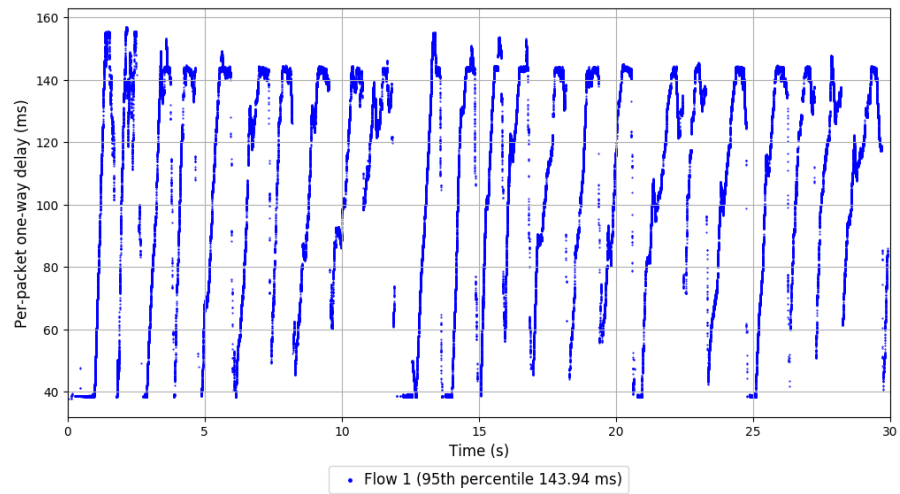
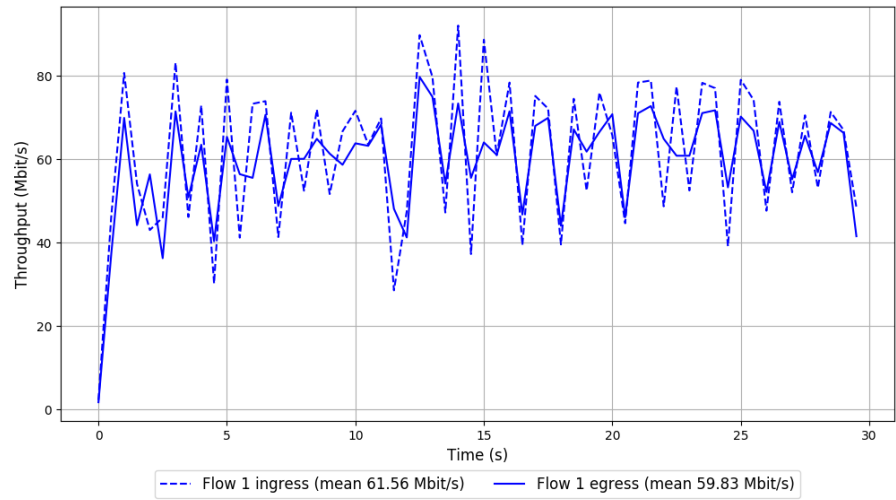
-- Flow 1:

Average throughput: 59.83 Mbit/s

95th percentile per-packet one-way delay: 143.937 ms

Loss rate: 3.18%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-01-25 08:16:24

End at: 2018-01-25 08:16:54

Local clock offset: 0.679 ms

Remote clock offset: 0.807 ms

Below is generated by plot.py at 2018-01-25 12:16:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.46 Mbit/s

95th percentile per-packet one-way delay: 144.575 ms

Loss rate: 2.41%

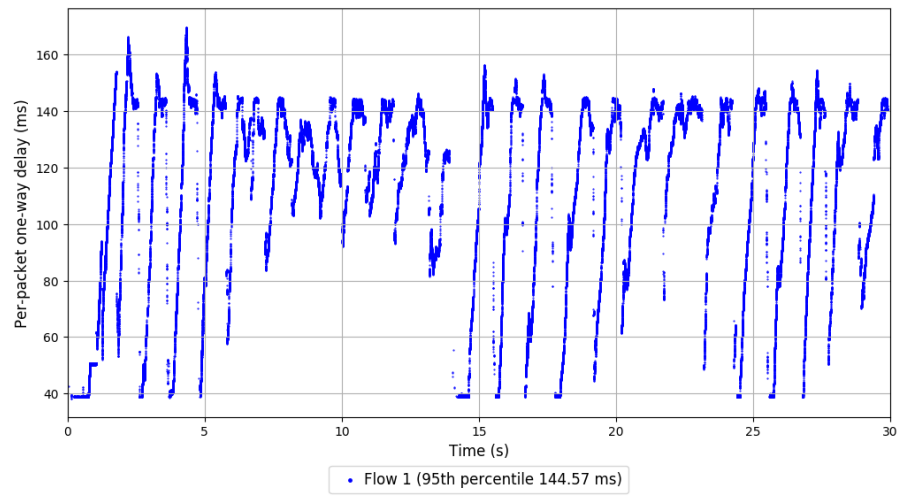
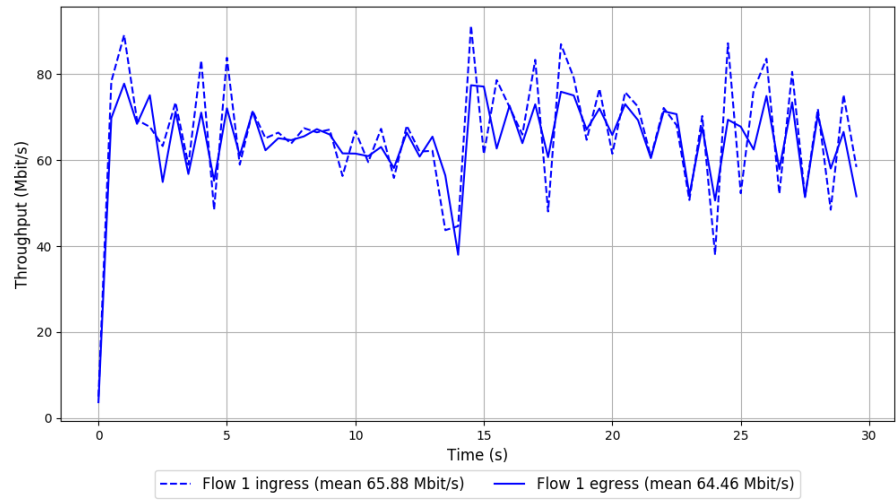
-- Flow 1:

Average throughput: 64.46 Mbit/s

95th percentile per-packet one-way delay: 144.575 ms

Loss rate: 2.41%

Run 8: Report of TCP BBR — Data Link

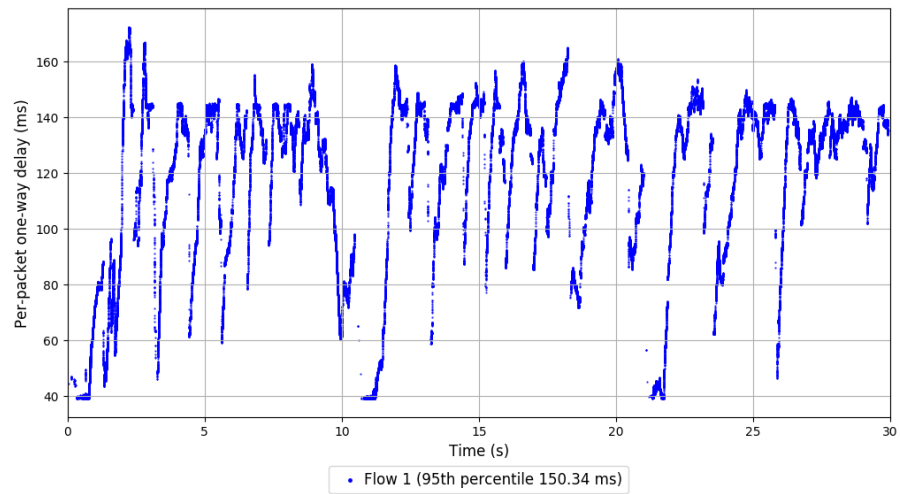
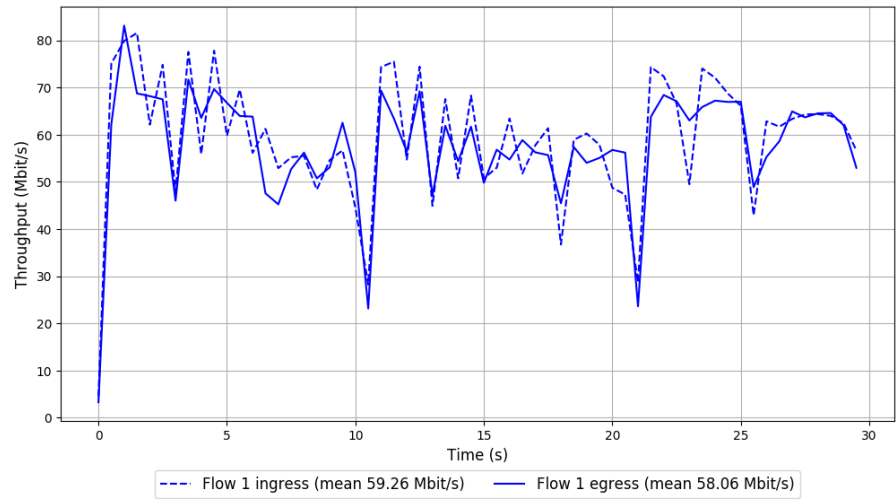


Run 9: Statistics of TCP BBR

Start at: 2018-01-25 08:35:25
End at: 2018-01-25 08:35:55
Local clock offset: 0.302 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-01-25 12:16:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.06 Mbit/s
95th percentile per-packet one-way delay: 150.339 ms
Loss rate: 2.32%
-- Flow 1:
Average throughput: 58.06 Mbit/s
95th percentile per-packet one-way delay: 150.339 ms
Loss rate: 2.32%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-01-25 08:54:48

End at: 2018-01-25 08:55:18

Local clock offset: 0.262 ms

Remote clock offset: -1.163 ms

Below is generated by plot.py at 2018-01-25 12:16:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.80 Mbit/s

95th percentile per-packet one-way delay: 144.757 ms

Loss rate: 2.09%

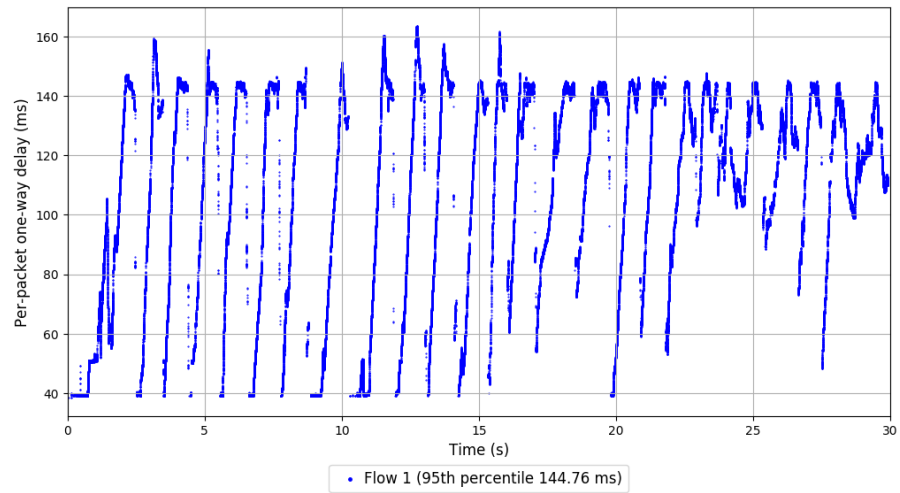
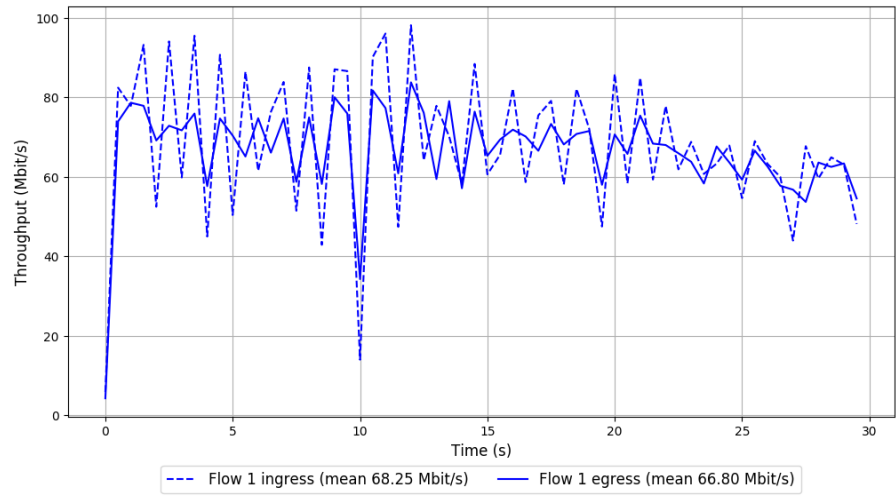
-- Flow 1:

Average throughput: 66.80 Mbit/s

95th percentile per-packet one-way delay: 144.757 ms

Loss rate: 2.09%

Run 10: Report of TCP BBR — Data Link

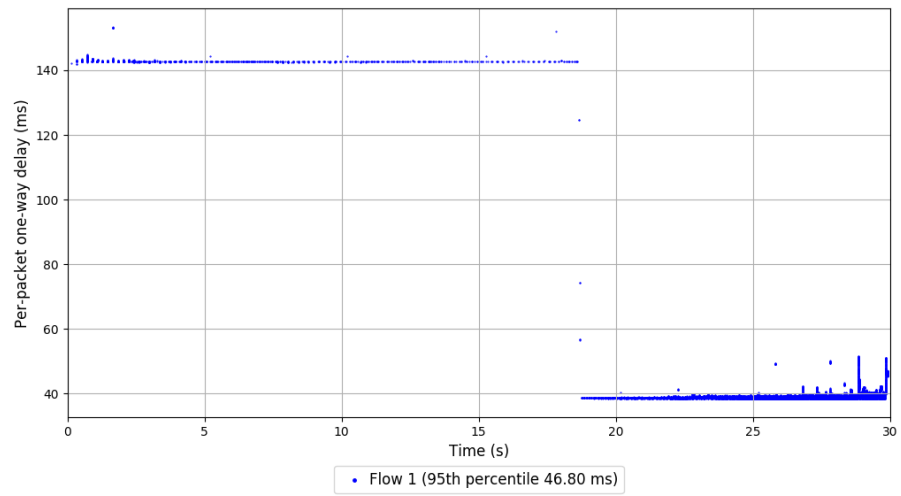
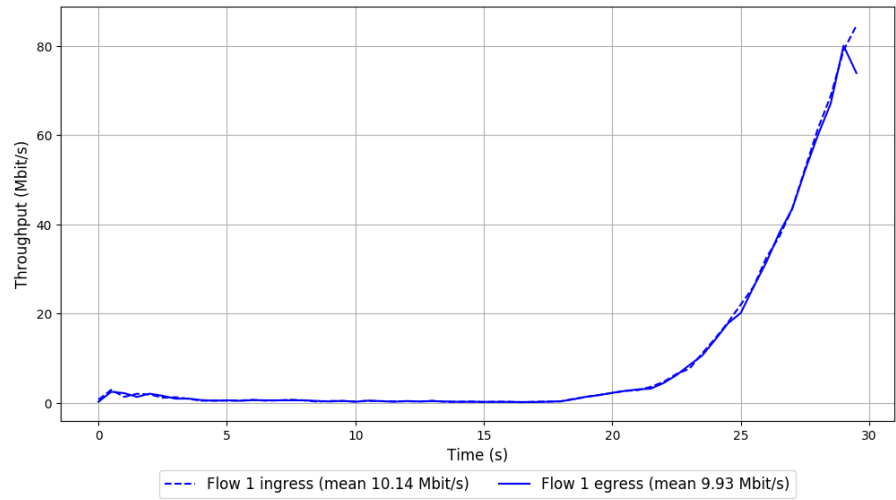


Run 1: Statistics of TCP Cubic

Start at: 2018-01-25 06:07:28
End at: 2018-01-25 06:07:58
Local clock offset: 1.592 ms
Remote clock offset: -2.855 ms

Below is generated by plot.py at 2018-01-25 12:16:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.93 Mbit/s
95th percentile per-packet one-way delay: 46.802 ms
Loss rate: 2.76%
-- Flow 1:
Average throughput: 9.93 Mbit/s
95th percentile per-packet one-way delay: 46.802 ms
Loss rate: 2.76%

Run 1: Report of TCP Cubic — Data Link

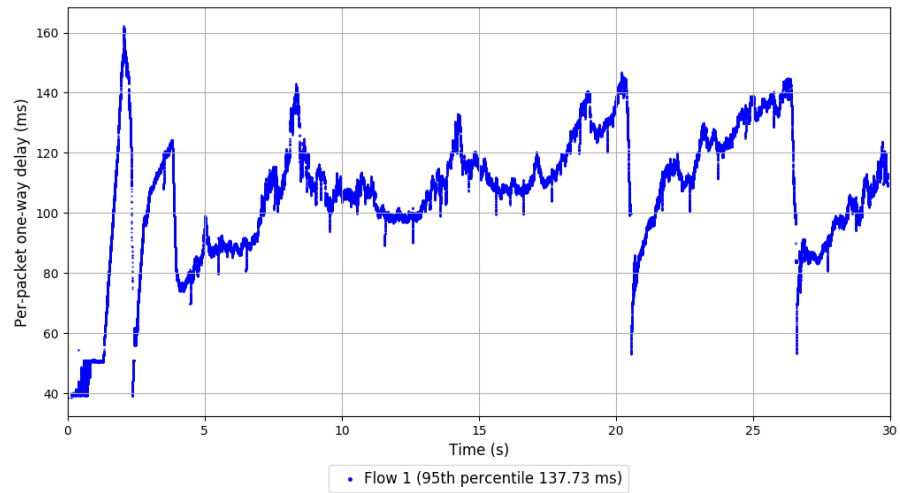
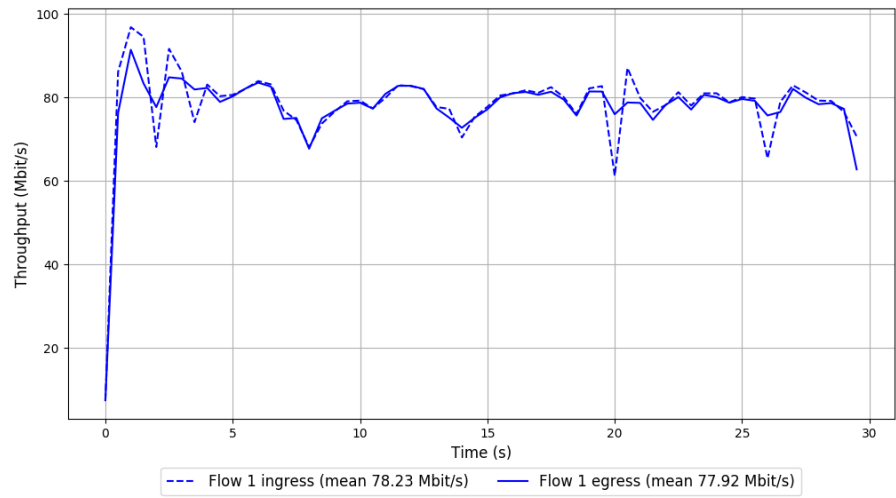


Run 2: Statistics of TCP Cubic

Start at: 2018-01-25 06:26:35
End at: 2018-01-25 06:27:05
Local clock offset: 1.603 ms
Remote clock offset: -1.828 ms

Below is generated by plot.py at 2018-01-25 12:17:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.92 Mbit/s
95th percentile per-packet one-way delay: 137.729 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 77.92 Mbit/s
95th percentile per-packet one-way delay: 137.729 ms
Loss rate: 0.68%

Run 2: Report of TCP Cubic — Data Link

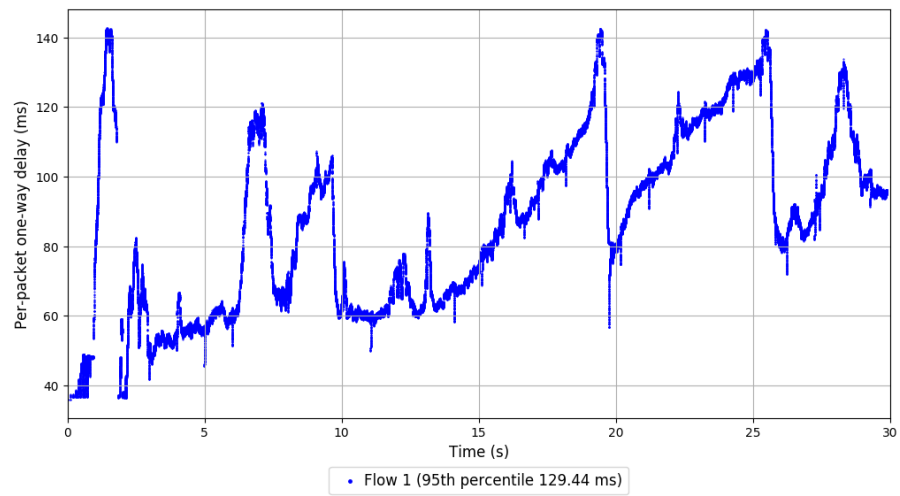
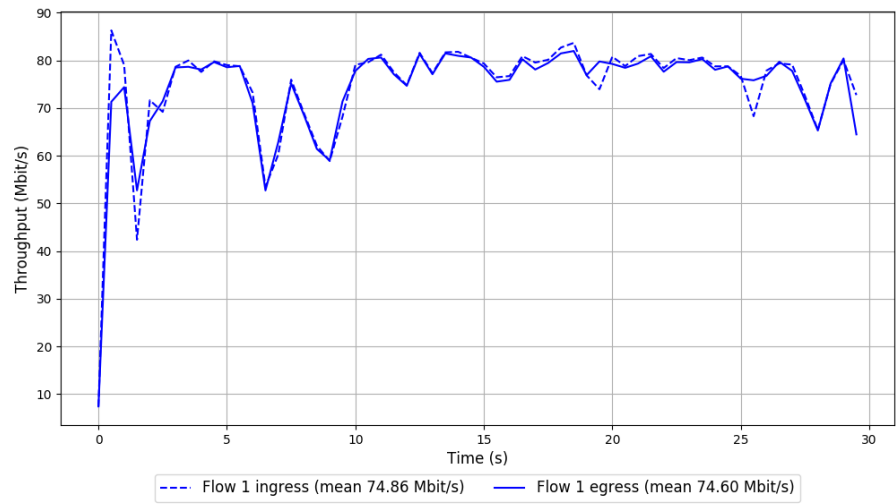


Run 3: Statistics of TCP Cubic

Start at: 2018-01-25 06:45:46
End at: 2018-01-25 06:46:16
Local clock offset: -0.916 ms
Remote clock offset: -0.605 ms

Below is generated by plot.py at 2018-01-25 12:17:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.60 Mbit/s
95th percentile per-packet one-way delay: 129.436 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 74.60 Mbit/s
95th percentile per-packet one-way delay: 129.436 ms
Loss rate: 0.63%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-01-25 07:04:57

End at: 2018-01-25 07:05:27

Local clock offset: 1.738 ms

Remote clock offset: 0.149 ms

Below is generated by plot.py at 2018-01-25 12:17:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.89 Mbit/s

95th percentile per-packet one-way delay: 134.773 ms

Loss rate: 0.63%

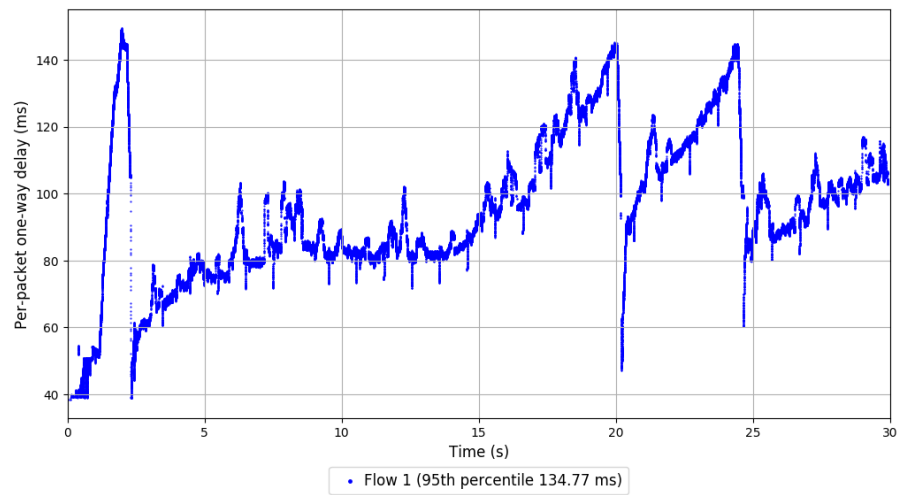
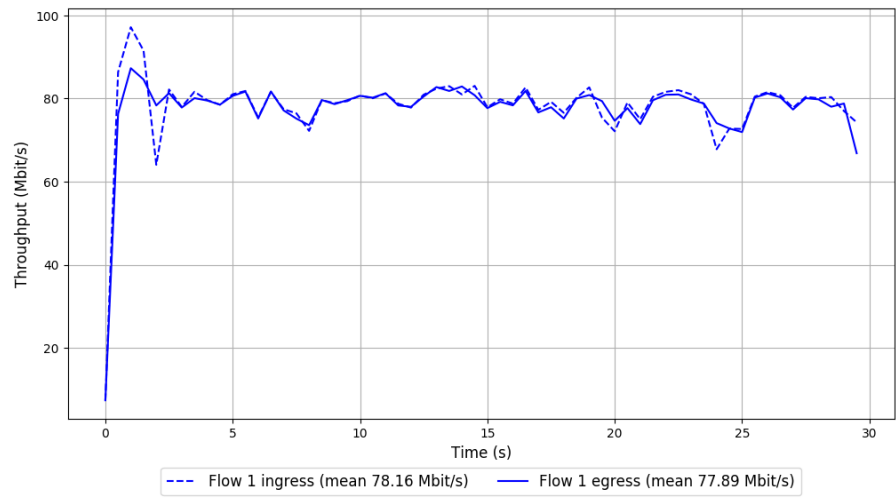
-- Flow 1:

Average throughput: 77.89 Mbit/s

95th percentile per-packet one-way delay: 134.773 ms

Loss rate: 0.63%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-01-25 07:24:01

End at: 2018-01-25 07:24:31

Local clock offset: 1.173 ms

Remote clock offset: 0.834 ms

Below is generated by plot.py at 2018-01-25 12:17:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.13 Mbit/s

95th percentile per-packet one-way delay: 125.244 ms

Loss rate: 0.42%

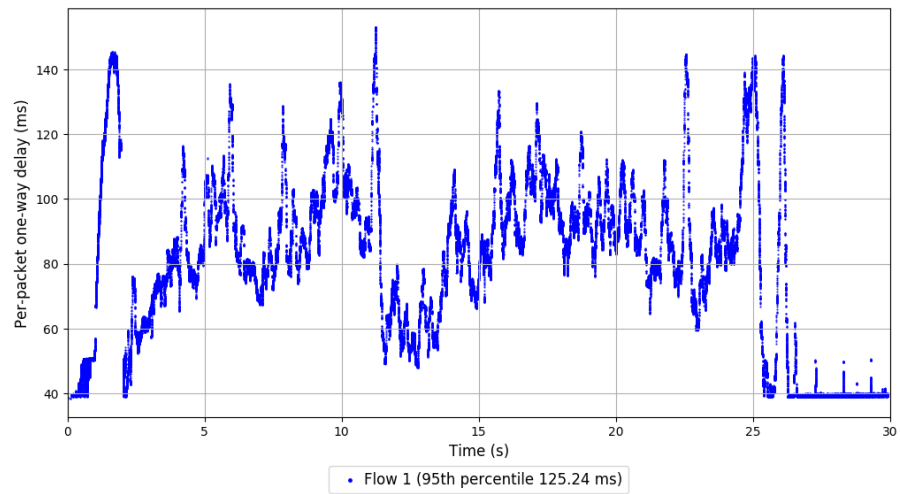
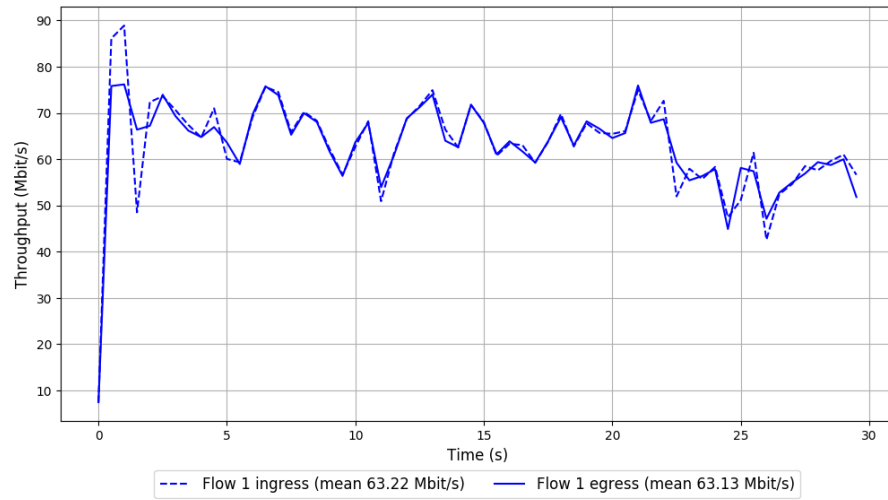
-- Flow 1:

Average throughput: 63.13 Mbit/s

95th percentile per-packet one-way delay: 125.244 ms

Loss rate: 0.42%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-01-25 07:42:59

End at: 2018-01-25 07:43:29

Local clock offset: 1.157 ms

Remote clock offset: 0.696 ms

Below is generated by plot.py at 2018-01-25 12:17:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.96 Mbit/s

95th percentile per-packet one-way delay: 132.257 ms

Loss rate: 0.64%

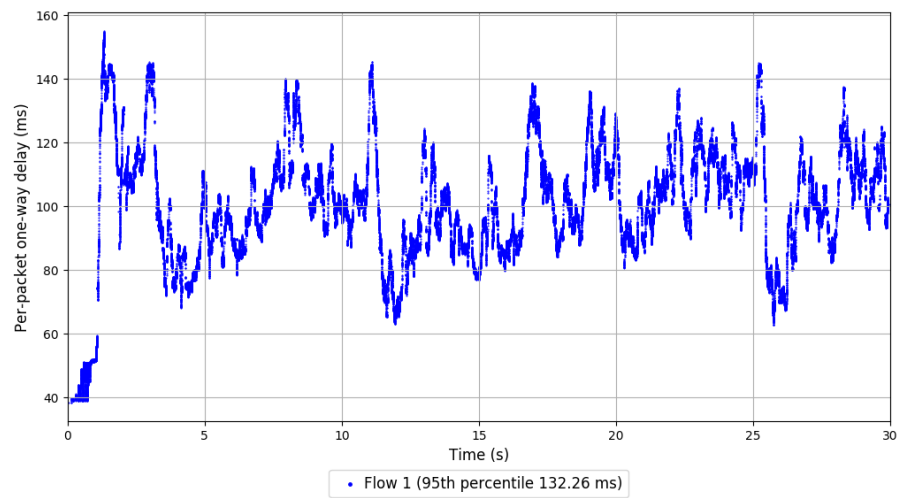
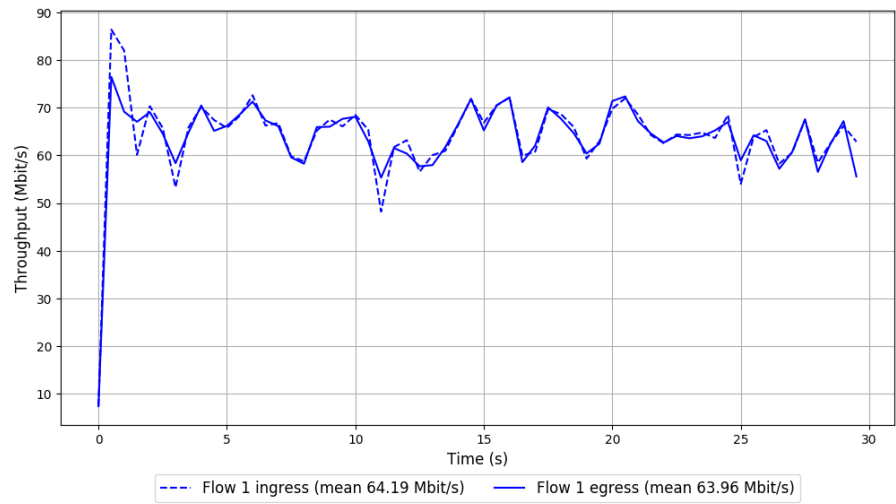
-- Flow 1:

Average throughput: 63.96 Mbit/s

95th percentile per-packet one-way delay: 132.257 ms

Loss rate: 0.64%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-01-25 08:02:06

End at: 2018-01-25 08:02:36

Local clock offset: 0.871 ms

Remote clock offset: 0.737 ms

Below is generated by plot.py at 2018-01-25 12:17:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.40 Mbit/s

95th percentile per-packet one-way delay: 136.351 ms

Loss rate: 0.85%

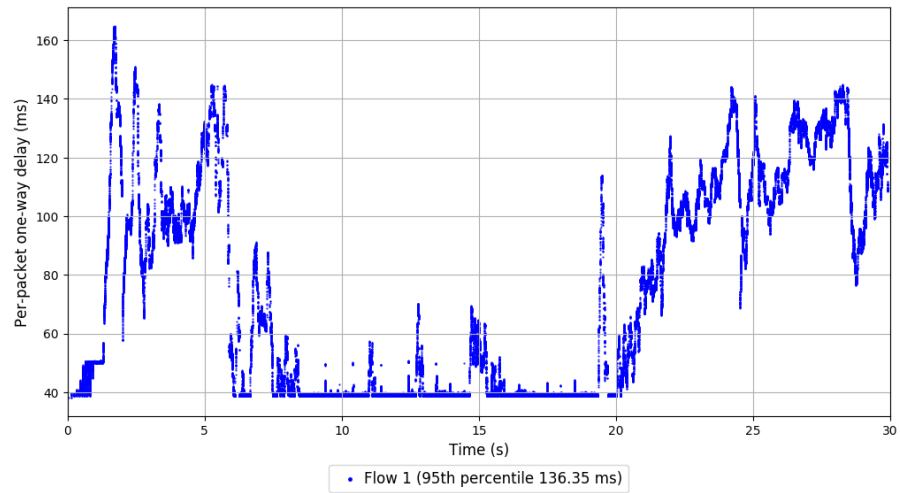
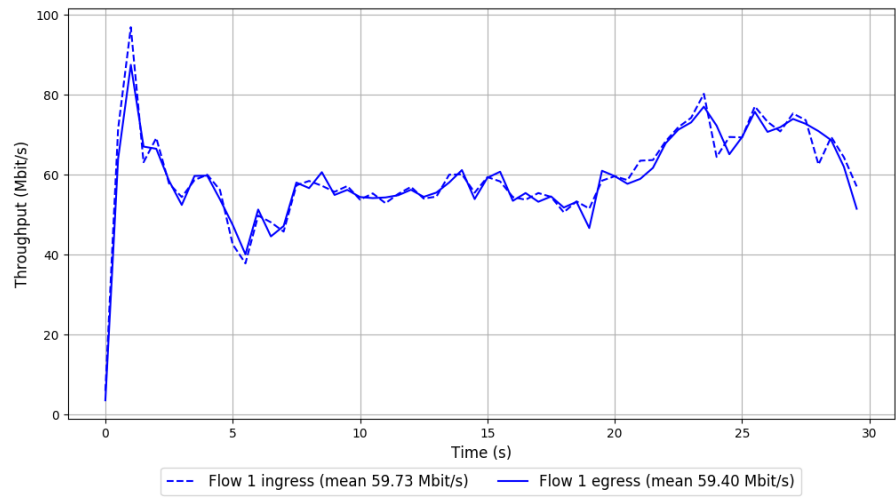
-- Flow 1:

Average throughput: 59.40 Mbit/s

95th percentile per-packet one-way delay: 136.351 ms

Loss rate: 0.85%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-01-25 08:21:14

End at: 2018-01-25 08:21:44

Local clock offset: 0.285 ms

Remote clock offset: 0.752 ms

Below is generated by plot.py at 2018-01-25 12:17:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.67 Mbit/s

95th percentile per-packet one-way delay: 132.774 ms

Loss rate: 0.50%

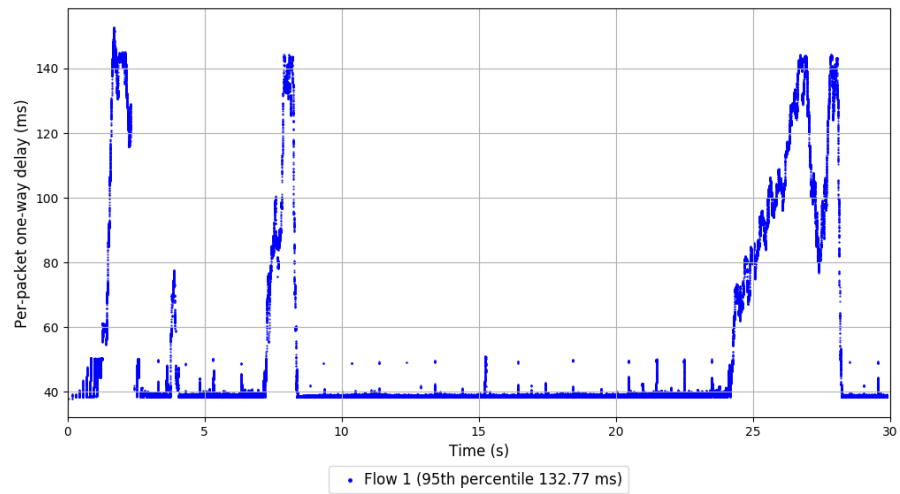
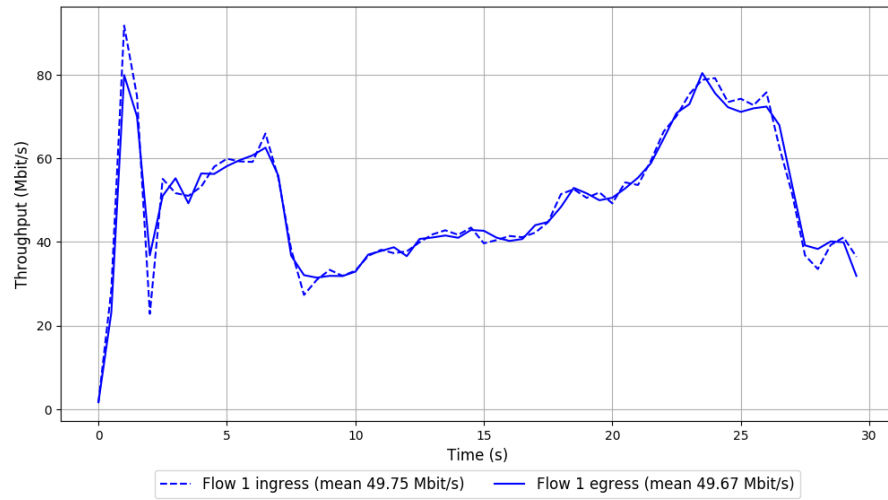
-- Flow 1:

Average throughput: 49.67 Mbit/s

95th percentile per-packet one-way delay: 132.774 ms

Loss rate: 0.50%

Run 8: Report of TCP Cubic — Data Link

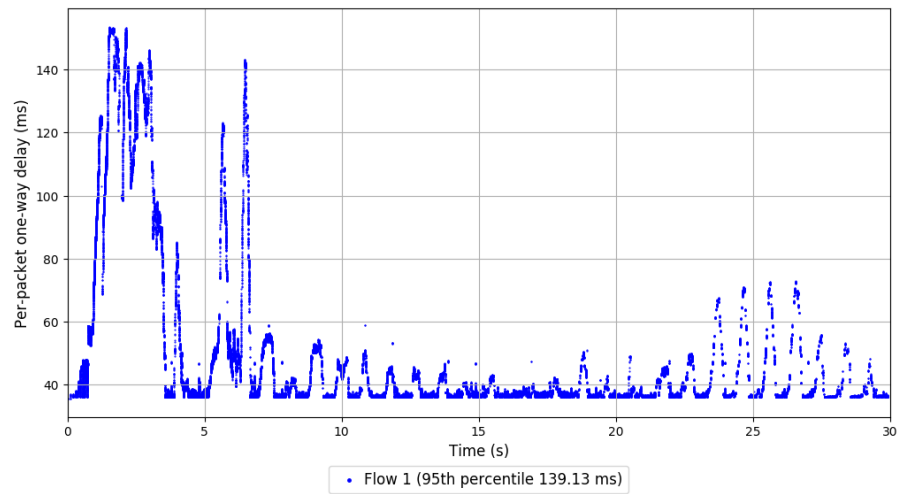
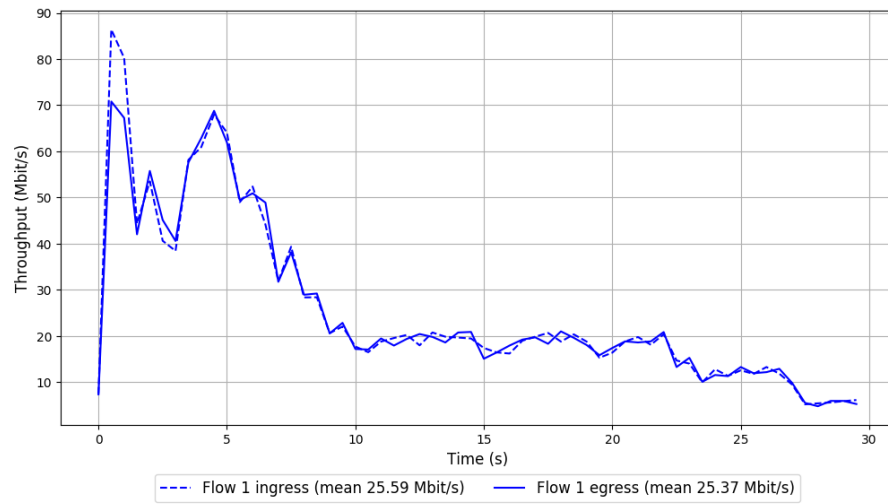


Run 9: Statistics of TCP Cubic

Start at: 2018-01-25 08:40:11
End at: 2018-01-25 08:40:41
Local clock offset: -2.574 ms
Remote clock offset: -0.469 ms

Below is generated by plot.py at 2018-01-25 12:17:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 25.37 Mbit/s
95th percentile per-packet one-way delay: 139.129 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 25.37 Mbit/s
95th percentile per-packet one-way delay: 139.129 ms
Loss rate: 1.17%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-01-25 08:59:38

End at: 2018-01-25 09:00:08

Local clock offset: -0.462 ms

Remote clock offset: -1.349 ms

Below is generated by plot.py at 2018-01-25 12:17:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.22 Mbit/s

95th percentile per-packet one-way delay: 142.134 ms

Loss rate: 1.28%

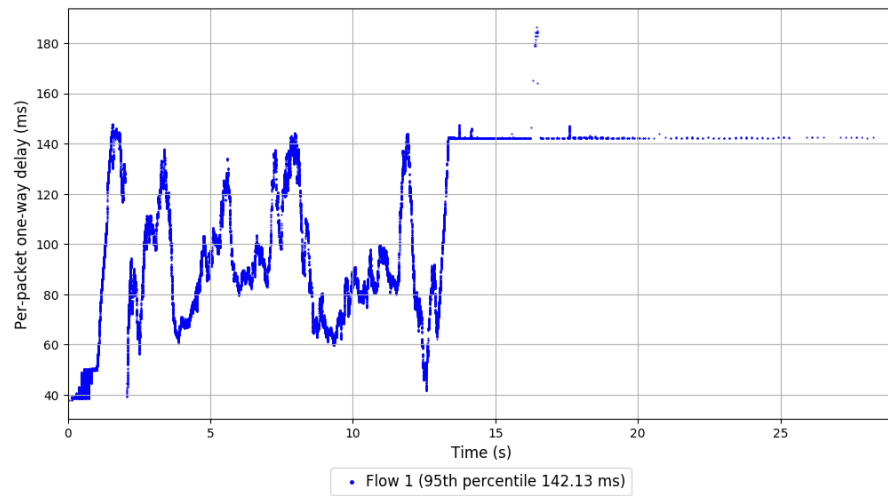
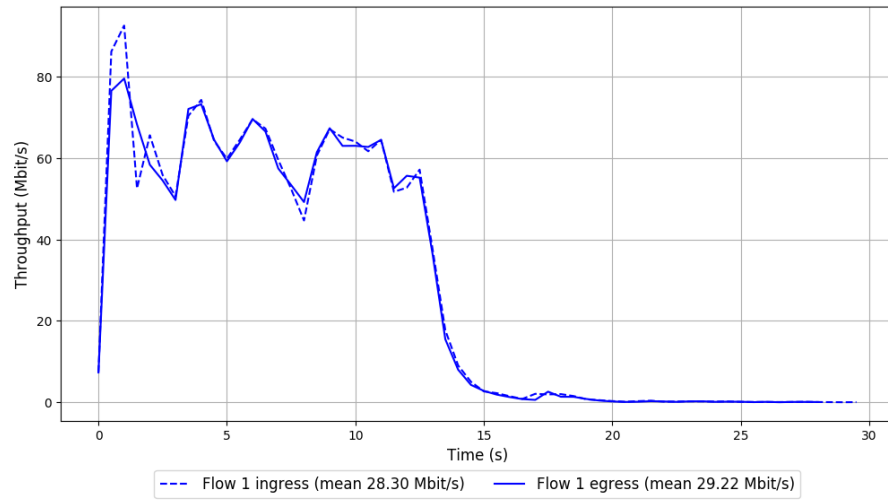
-- Flow 1:

Average throughput: 29.22 Mbit/s

95th percentile per-packet one-way delay: 142.134 ms

Loss rate: 1.28%

Run 10: Report of TCP Cubic — Data Link

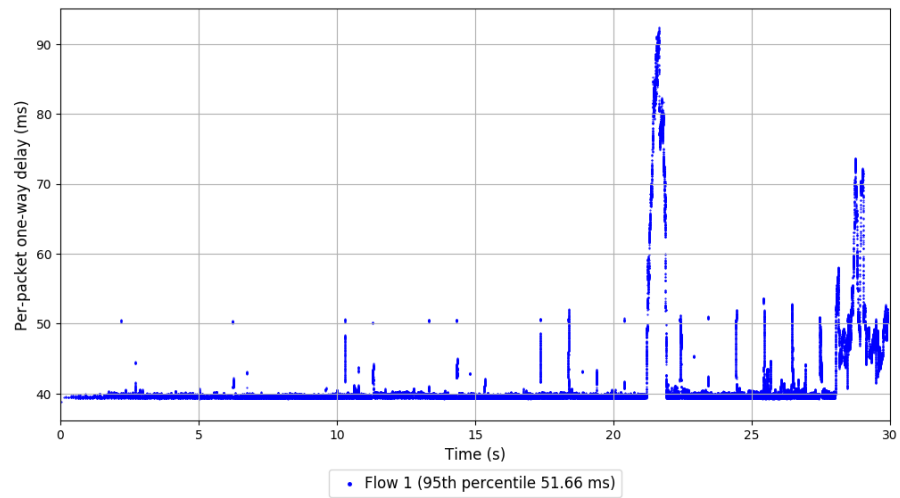
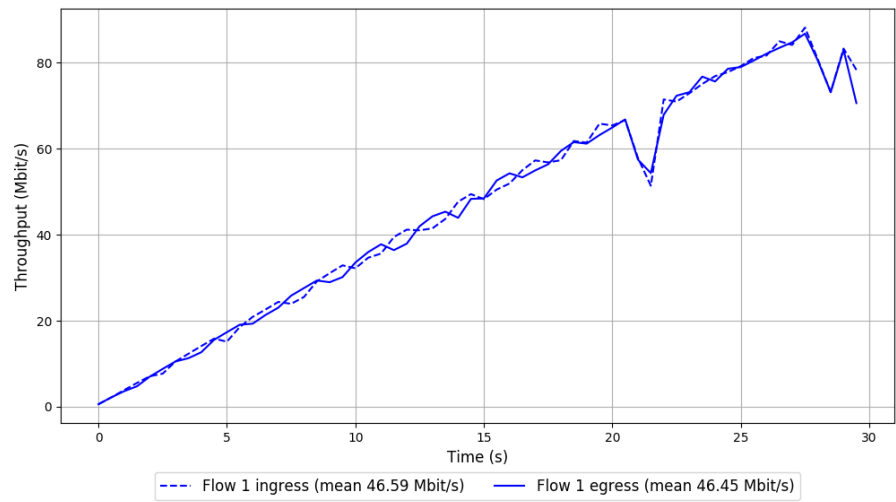


Run 1: Statistics of LEDBAT

Start at: 2018-01-25 06:01:13
End at: 2018-01-25 06:01:43
Local clock offset: 1.754 ms
Remote clock offset: -3.215 ms

Below is generated by plot.py at 2018-01-25 12:17:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 46.45 Mbit/s
95th percentile per-packet one-way delay: 51.655 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 46.45 Mbit/s
95th percentile per-packet one-way delay: 51.655 ms
Loss rate: 0.57%

Run 1: Report of LEDBAT — Data Link

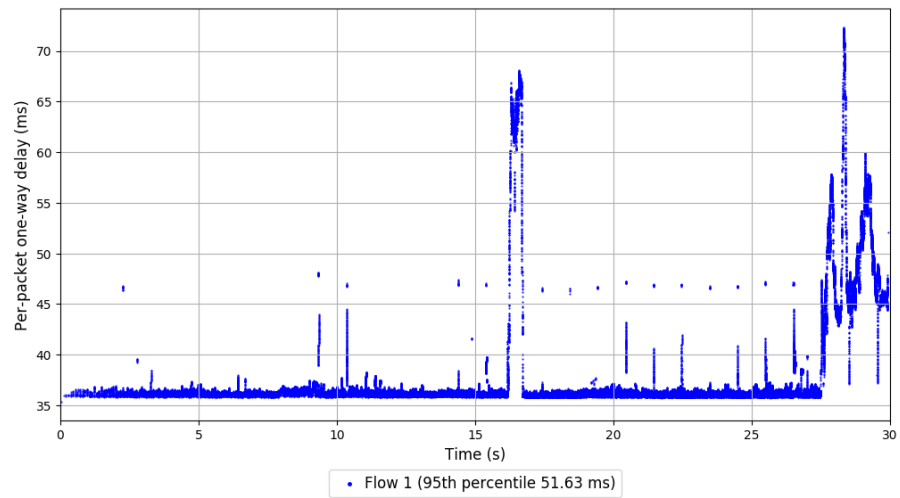
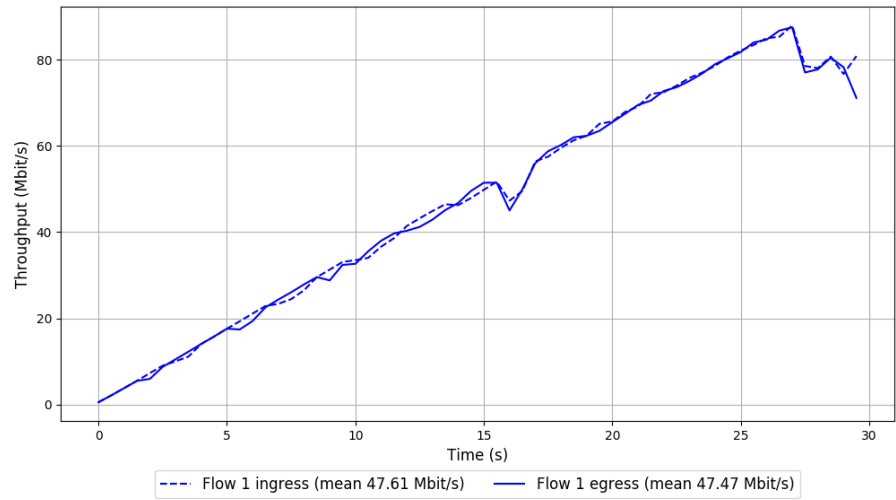


Run 2: Statistics of LEDBAT

Start at: 2018-01-25 06:20:33
End at: 2018-01-25 06:21:03
Local clock offset: -0.877 ms
Remote clock offset: -2.049 ms

Below is generated by plot.py at 2018-01-25 12:17:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 47.47 Mbit/s
95th percentile per-packet one-way delay: 51.629 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 47.47 Mbit/s
95th percentile per-packet one-way delay: 51.629 ms
Loss rate: 0.56%

Run 2: Report of LEDBAT — Data Link

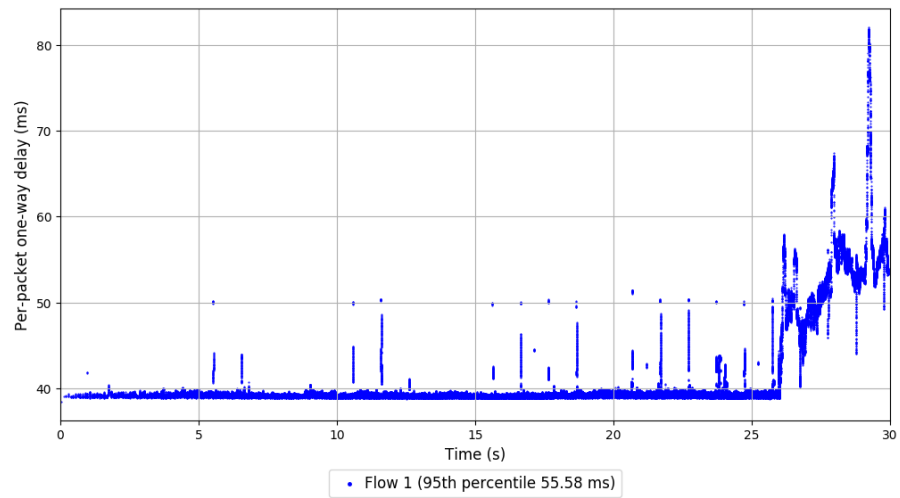
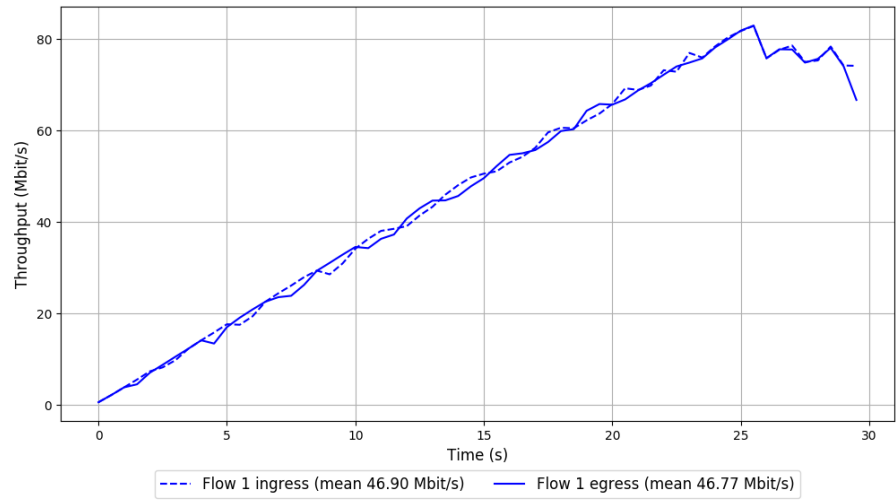


Run 3: Statistics of LEDBAT

Start at: 2018-01-25 06:39:42
End at: 2018-01-25 06:40:12
Local clock offset: 1.839 ms
Remote clock offset: -0.947 ms

Below is generated by plot.py at 2018-01-25 12:17:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 46.77 Mbit/s
95th percentile per-packet one-way delay: 55.580 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 46.77 Mbit/s
95th percentile per-packet one-way delay: 55.580 ms
Loss rate: 0.57%

Run 3: Report of LEDBAT — Data Link

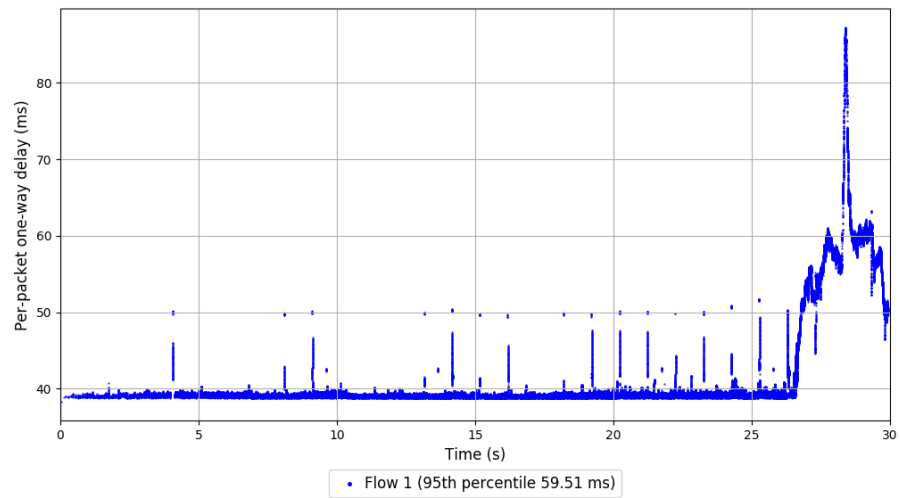
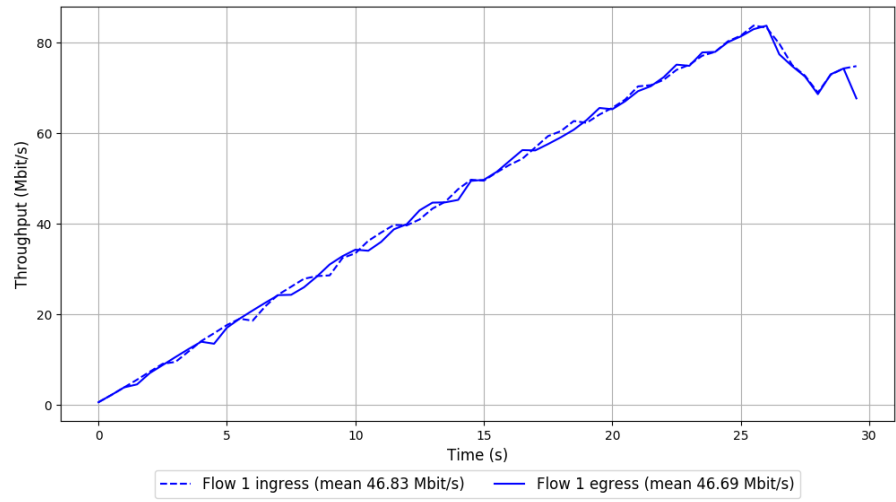


Run 4: Statistics of LEDBAT

Start at: 2018-01-25 06:58:53
End at: 2018-01-25 06:59:23
Local clock offset: 1.617 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-01-25 12:17:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 46.69 Mbit/s
95th percentile per-packet one-way delay: 59.510 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 46.69 Mbit/s
95th percentile per-packet one-way delay: 59.510 ms
Loss rate: 0.56%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-01-25 07:18:00

End at: 2018-01-25 07:18:30

Local clock offset: 1.044 ms

Remote clock offset: 0.622 ms

Below is generated by plot.py at 2018-01-25 12:17:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.14 Mbit/s

95th percentile per-packet one-way delay: 44.856 ms

Loss rate: 0.29%

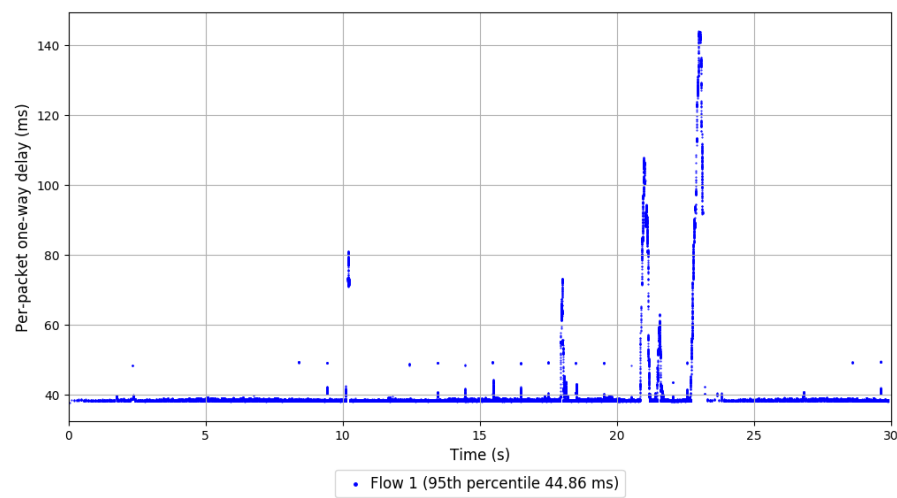
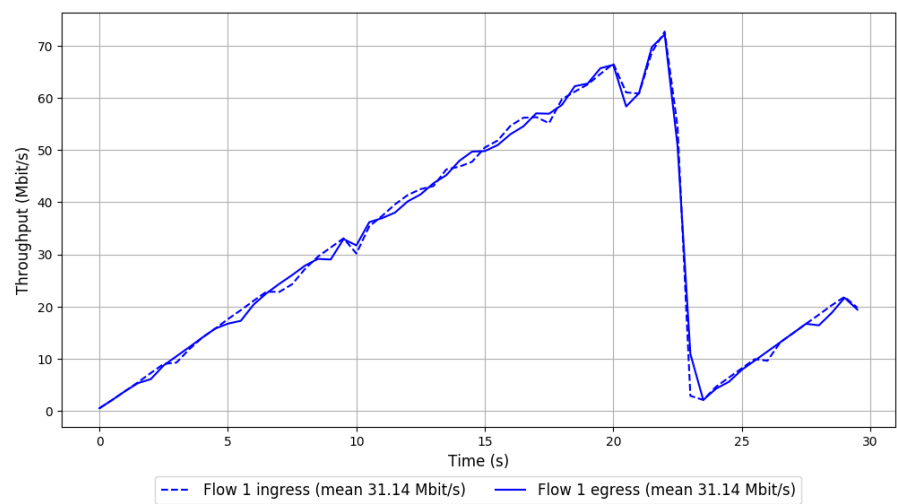
-- Flow 1:

Average throughput: 31.14 Mbit/s

95th percentile per-packet one-way delay: 44.856 ms

Loss rate: 0.29%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-01-25 07:37:01

End at: 2018-01-25 07:37:31

Local clock offset: 1.23 ms

Remote clock offset: 0.777 ms

Below is generated by plot.py at 2018-01-25 12:17:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.42 Mbit/s

95th percentile per-packet one-way delay: 69.597 ms

Loss rate: 0.57%

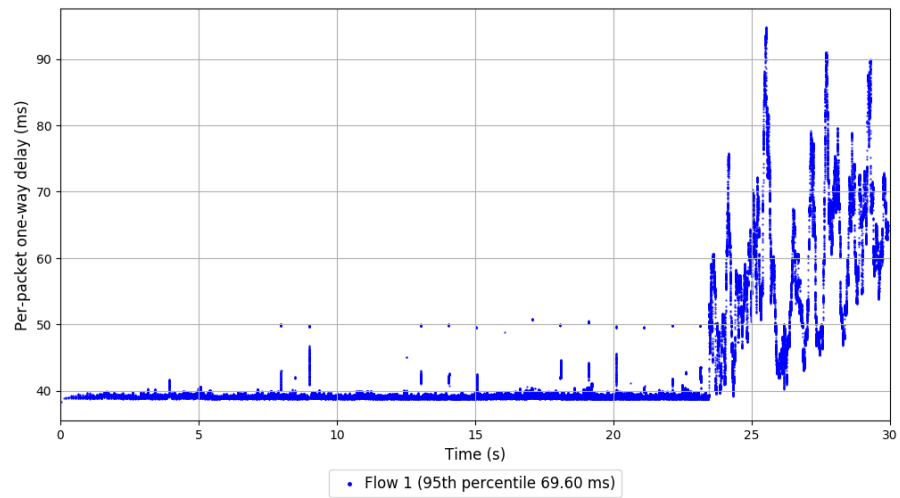
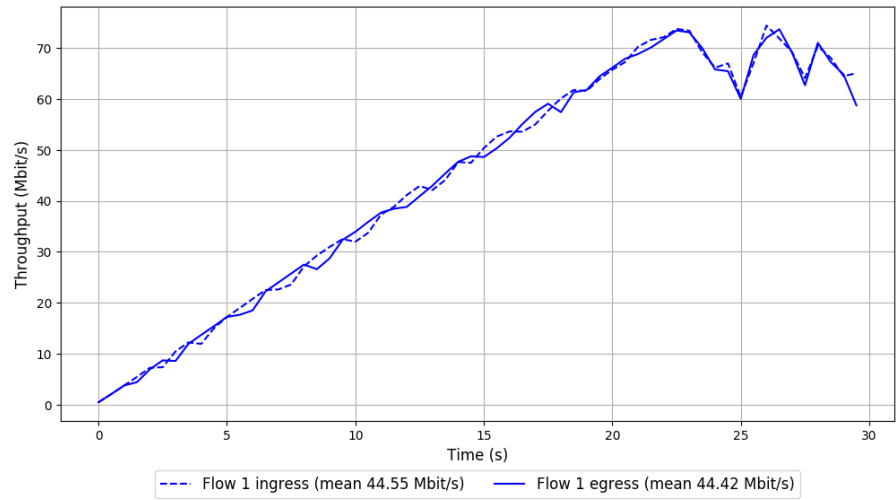
-- Flow 1:

Average throughput: 44.42 Mbit/s

95th percentile per-packet one-way delay: 69.597 ms

Loss rate: 0.57%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-01-25 07:56:00

End at: 2018-01-25 07:56:30

Local clock offset: 1.373 ms

Remote clock offset: 0.757 ms

Below is generated by plot.py at 2018-01-25 12:17:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 37.75 Mbit/s

95th percentile per-packet one-way delay: 99.225 ms

Loss rate: 0.61%

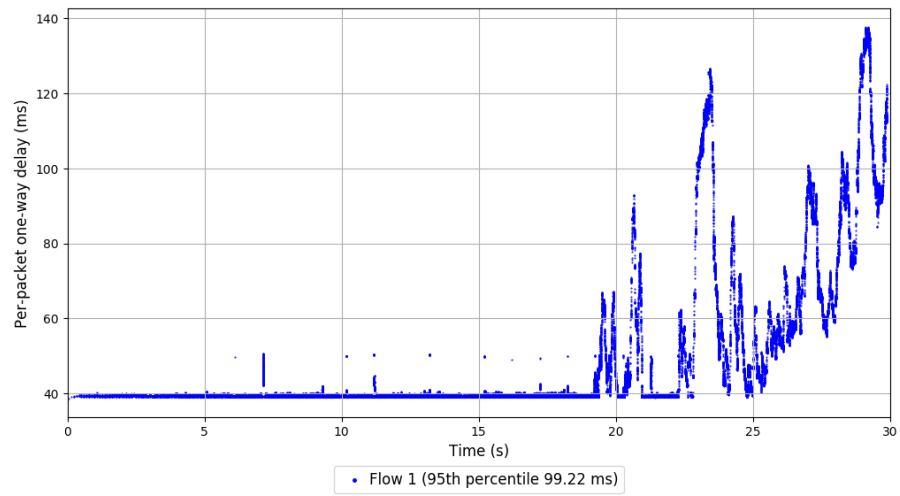
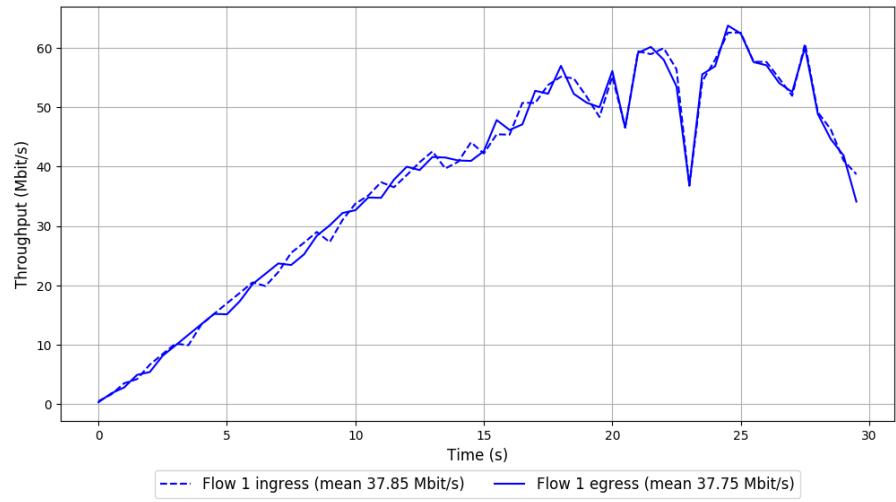
-- Flow 1:

Average throughput: 37.75 Mbit/s

95th percentile per-packet one-way delay: 99.225 ms

Loss rate: 0.61%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-01-25 08:15:12

End at: 2018-01-25 08:15:42

Local clock offset: 0.691 ms

Remote clock offset: 0.856 ms

Below is generated by plot.py at 2018-01-25 12:17:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.55 Mbit/s

95th percentile per-packet one-way delay: 41.088 ms

Loss rate: 0.76%

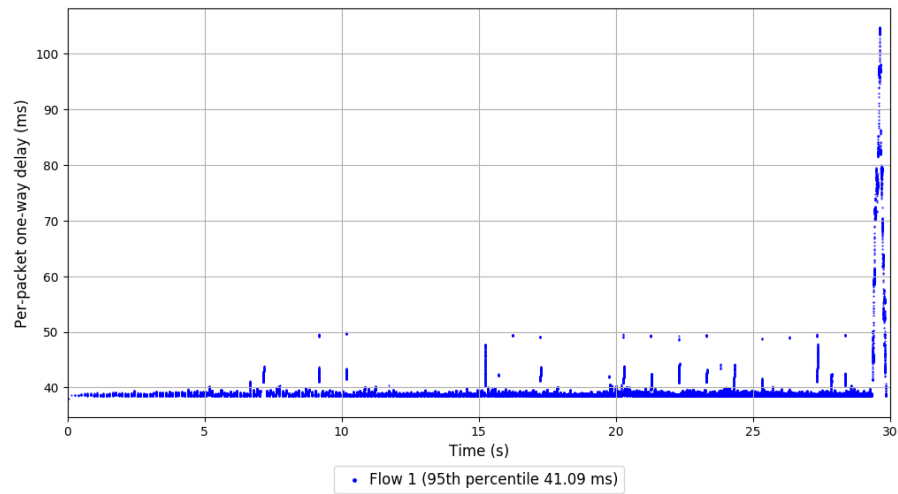
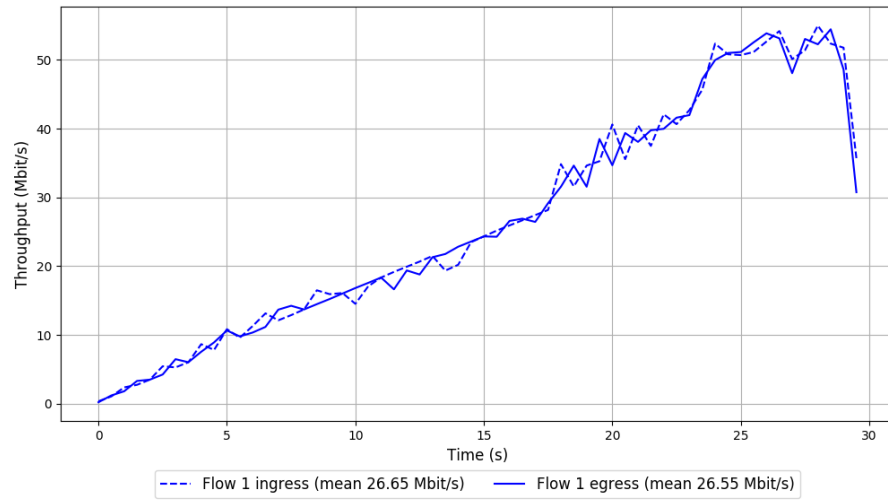
-- Flow 1:

Average throughput: 26.55 Mbit/s

95th percentile per-packet one-way delay: 41.088 ms

Loss rate: 0.76%

Run 8: Report of LEDBAT — Data Link

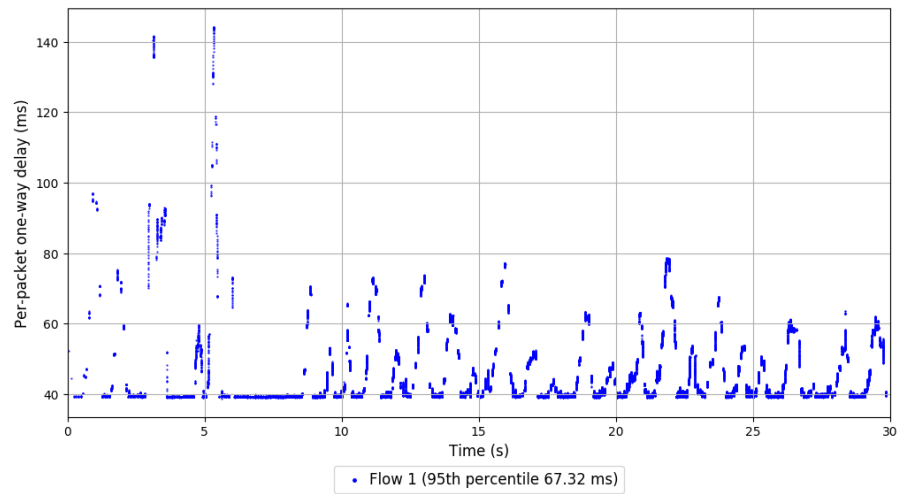
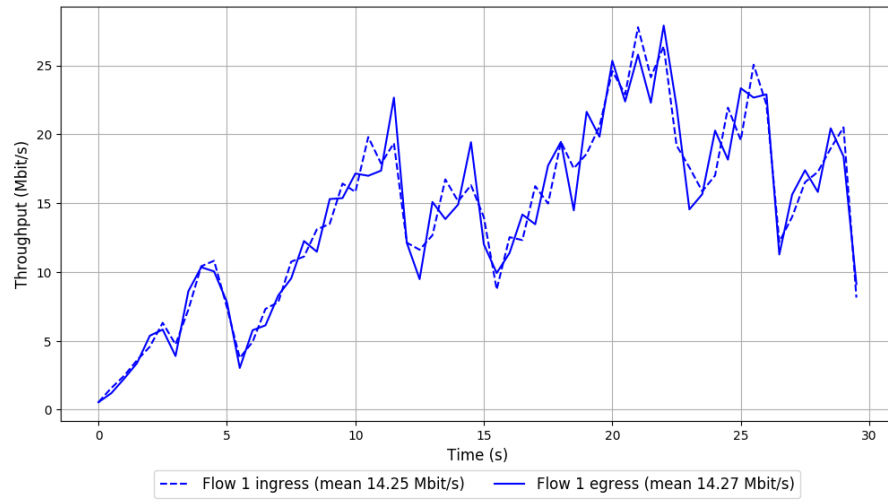


Run 9: Statistics of LEDBAT

Start at: 2018-01-25 08:34:14
End at: 2018-01-25 08:34:44
Local clock offset: 0.622 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-01-25 12:17:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 14.27 Mbit/s
95th percentile per-packet one-way delay: 67.316 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 14.27 Mbit/s
95th percentile per-packet one-way delay: 67.316 ms
Loss rate: 0.20%

Run 9: Report of LEDBAT — Data Link

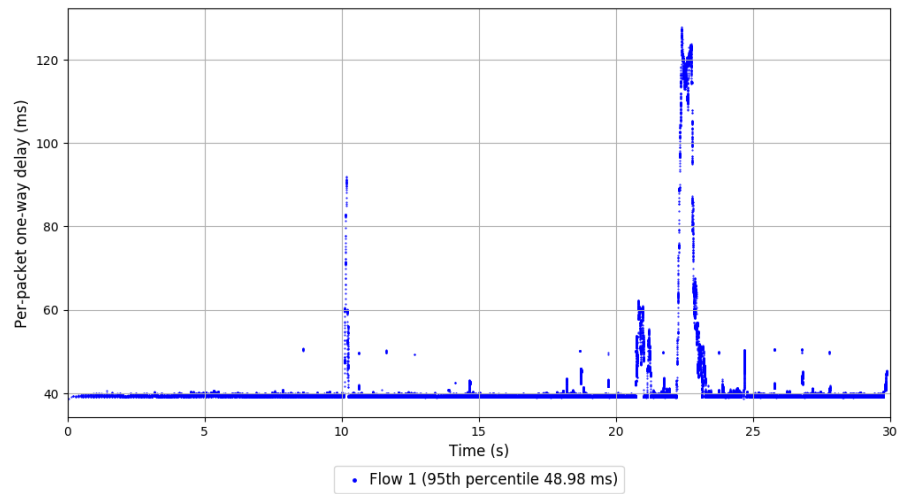
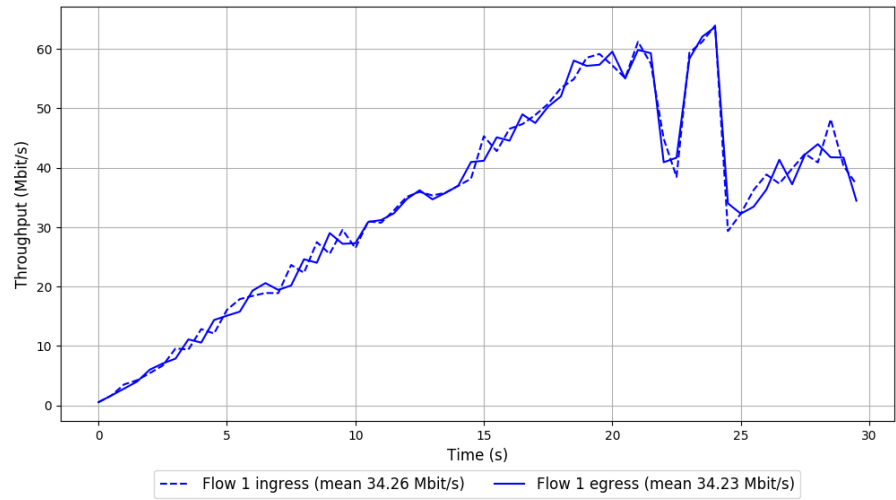


Run 10: Statistics of LEDBAT

Start at: 2018-01-25 08:53:36
End at: 2018-01-25 08:54:06
Local clock offset: 0.263 ms
Remote clock offset: -1.119 ms

Below is generated by plot.py at 2018-01-25 12:18:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.23 Mbit/s
95th percentile per-packet one-way delay: 48.982 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 34.23 Mbit/s
95th percentile per-packet one-way delay: 48.982 ms
Loss rate: 0.43%

Run 10: Report of LEDBAT — Data Link

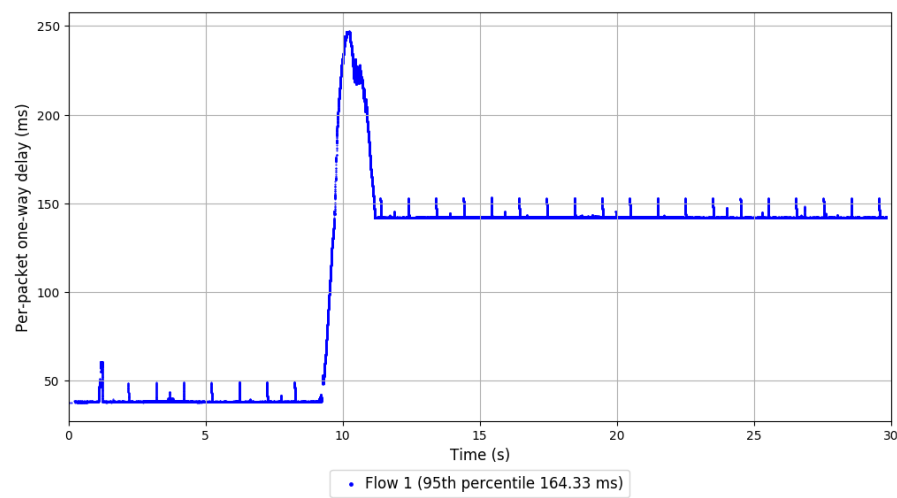
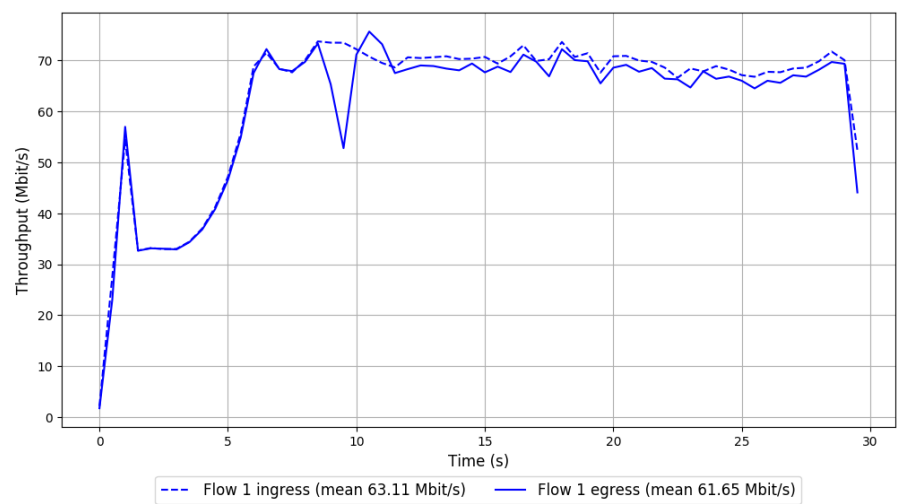


```
Run 1: Statistics of PCC

Start at: 2018-01-25 05:54:28
End at: 2018-01-25 05:54:58
Local clock offset: 1.306 ms
Remote clock offset: -3.5 ms

# Below is generated by plot.py at 2018-01-25 12:18:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.65 Mbit/s
95th percentile per-packet one-way delay: 164.327 ms
Loss rate: 2.59%
-- Flow 1:
Average throughput: 61.65 Mbit/s
95th percentile per-packet one-way delay: 164.327 ms
Loss rate: 2.59%
```

Run 1: Report of PCC — Data Link

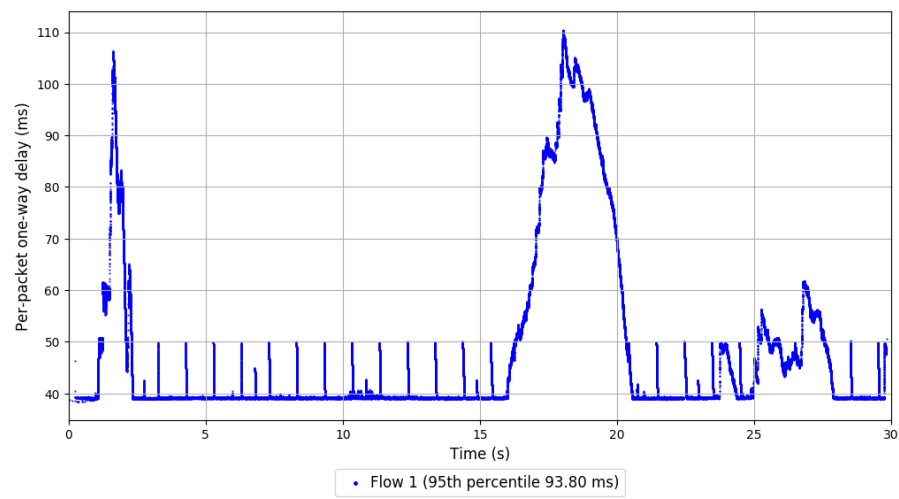
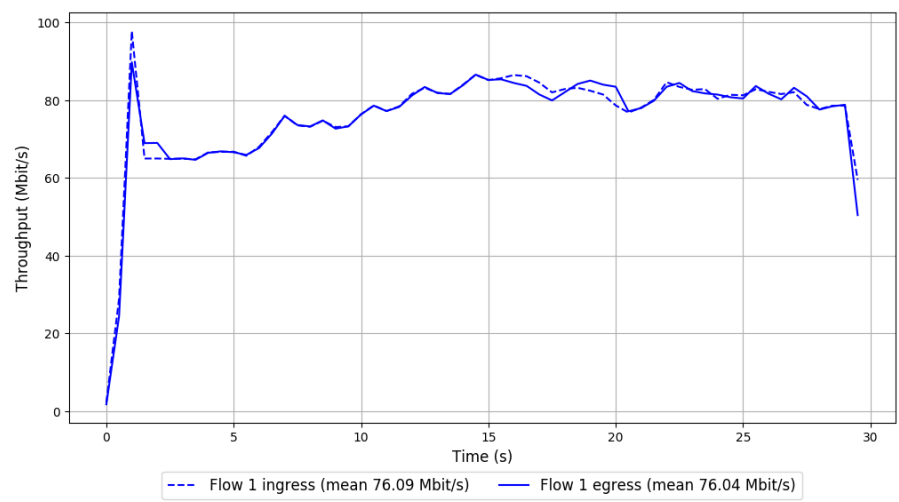


Run 2: Statistics of PCC

Start at: 2018-01-25 06:14:37
End at: 2018-01-25 06:15:07
Local clock offset: 1.623 ms
Remote clock offset: -2.434 ms

Below is generated by plot.py at 2018-01-25 12:18:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.04 Mbit/s
95th percentile per-packet one-way delay: 93.803 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 76.04 Mbit/s
95th percentile per-packet one-way delay: 93.803 ms
Loss rate: 0.33%

Run 2: Report of PCC — Data Link

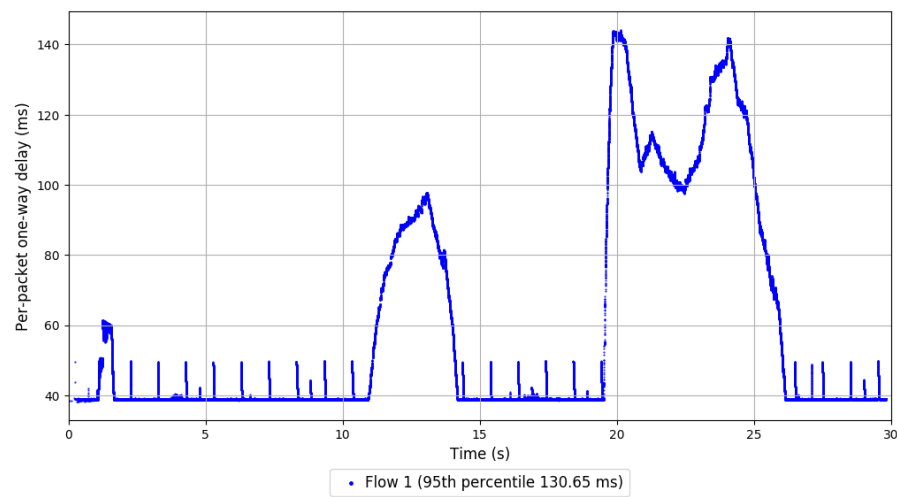
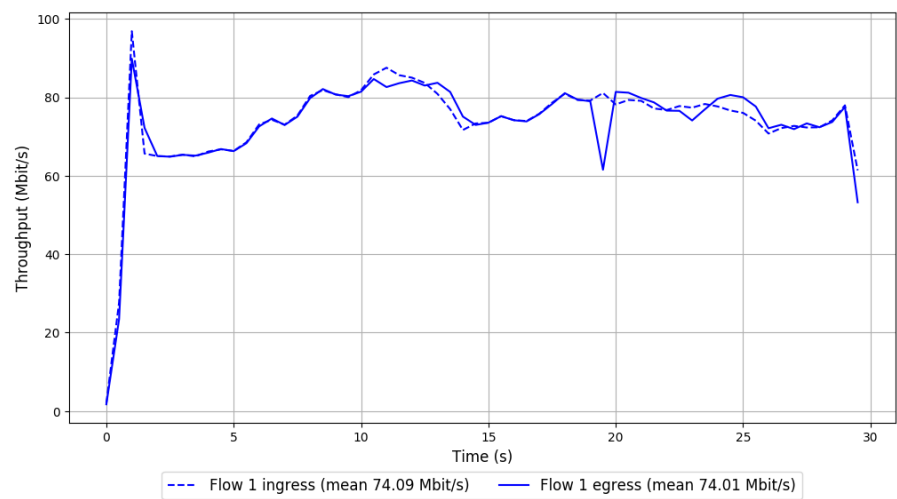


Run 3: Statistics of PCC

Start at: 2018-01-25 06:33:47
End at: 2018-01-25 06:34:17
Local clock offset: 1.749 ms
Remote clock offset: -1.377 ms

Below is generated by plot.py at 2018-01-25 12:18:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.01 Mbit/s
95th percentile per-packet one-way delay: 130.654 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 74.01 Mbit/s
95th percentile per-packet one-way delay: 130.654 ms
Loss rate: 0.40%

Run 3: Report of PCC — Data Link

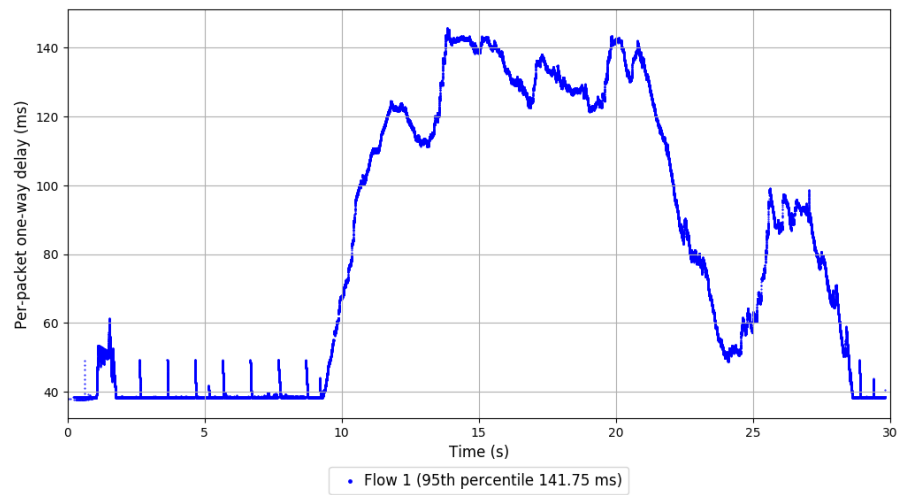
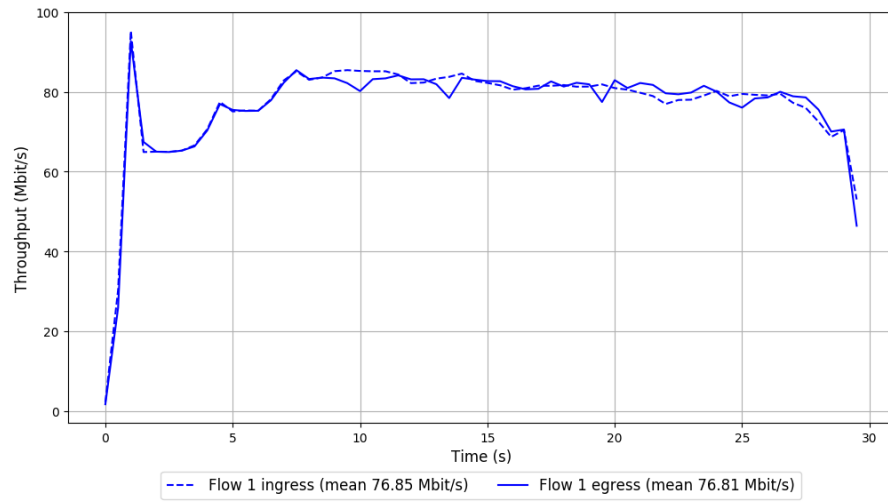


Run 4: Statistics of PCC

Start at: 2018-01-25 06:52:58
End at: 2018-01-25 06:53:28
Local clock offset: 1.67 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-01-25 12:18:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.81 Mbit/s
95th percentile per-packet one-way delay: 141.747 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 76.81 Mbit/s
95th percentile per-packet one-way delay: 141.747 ms
Loss rate: 0.32%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-01-25 07:12:06

End at: 2018-01-25 07:12:36

Local clock offset: 1.449 ms

Remote clock offset: 0.376 ms

Below is generated by plot.py at 2018-01-25 12:18:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.61 Mbit/s

95th percentile per-packet one-way delay: 142.802 ms

Loss rate: 1.10%

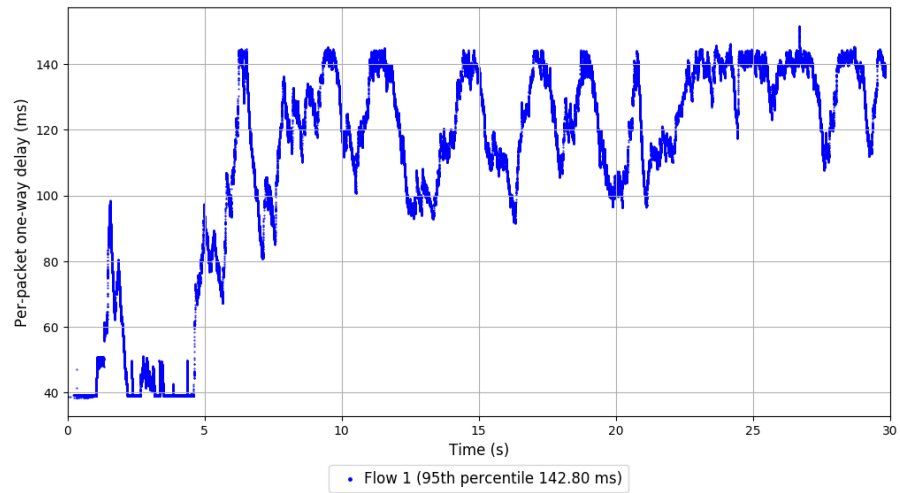
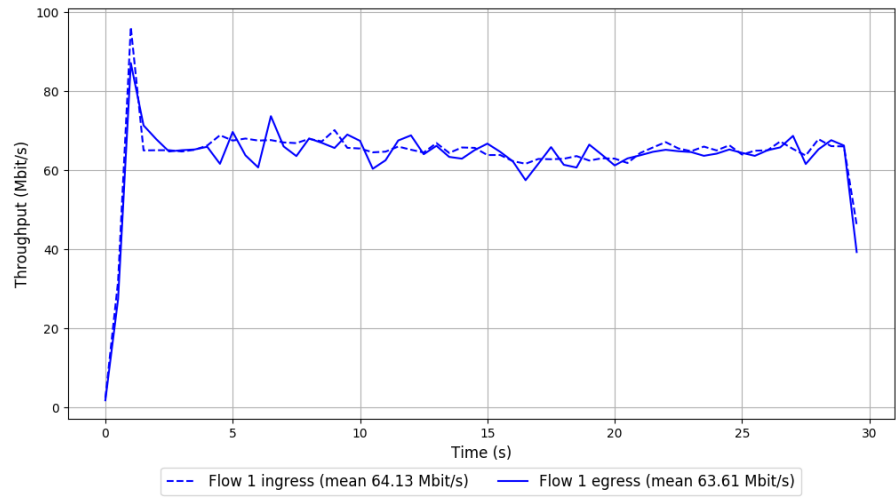
-- Flow 1:

Average throughput: 63.61 Mbit/s

95th percentile per-packet one-way delay: 142.802 ms

Loss rate: 1.10%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-01-25 07:31:08

End at: 2018-01-25 07:31:38

Local clock offset: 1.171 ms

Remote clock offset: 0.866 ms

Below is generated by plot.py at 2018-01-25 12:18:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.66 Mbit/s

95th percentile per-packet one-way delay: 142.220 ms

Loss rate: 1.16%

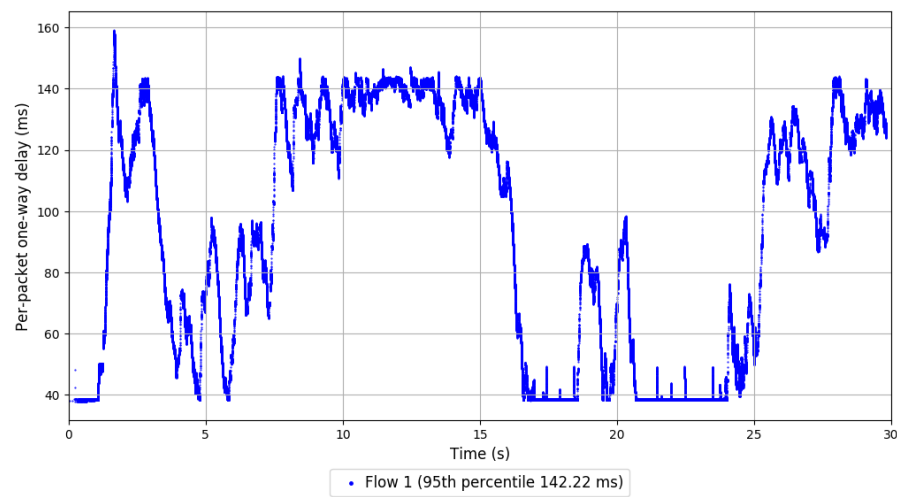
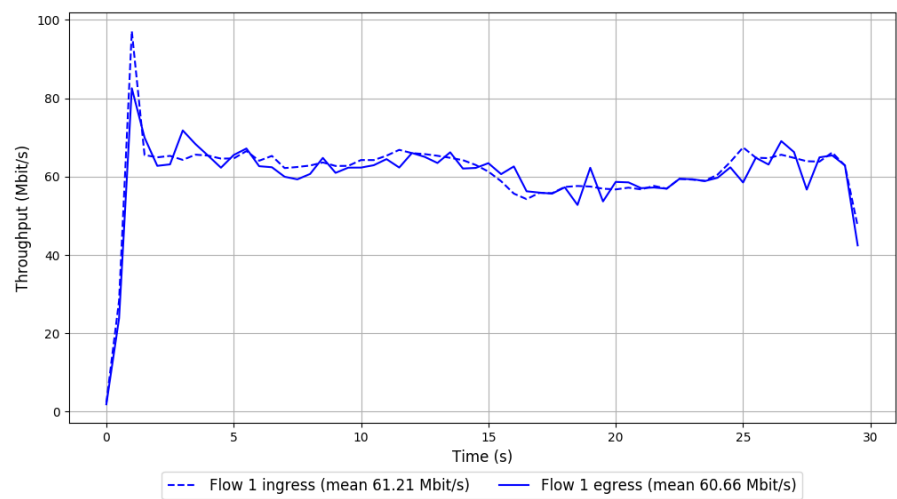
-- Flow 1:

Average throughput: 60.66 Mbit/s

95th percentile per-packet one-way delay: 142.220 ms

Loss rate: 1.16%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-01-25 07:50:05

End at: 2018-01-25 07:50:35

Local clock offset: 0.962 ms

Remote clock offset: 0.736 ms

Below is generated by plot.py at 2018-01-25 12:18:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.15 Mbit/s

95th percentile per-packet one-way delay: 126.060 ms

Loss rate: 0.38%

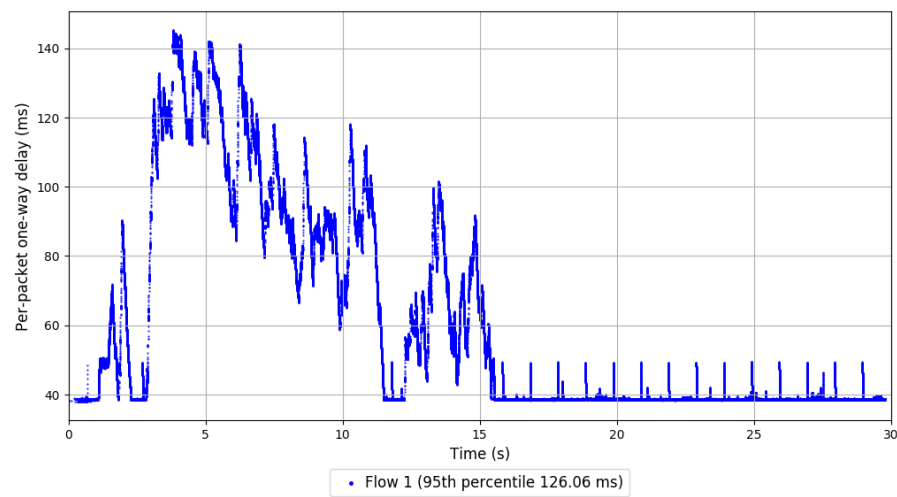
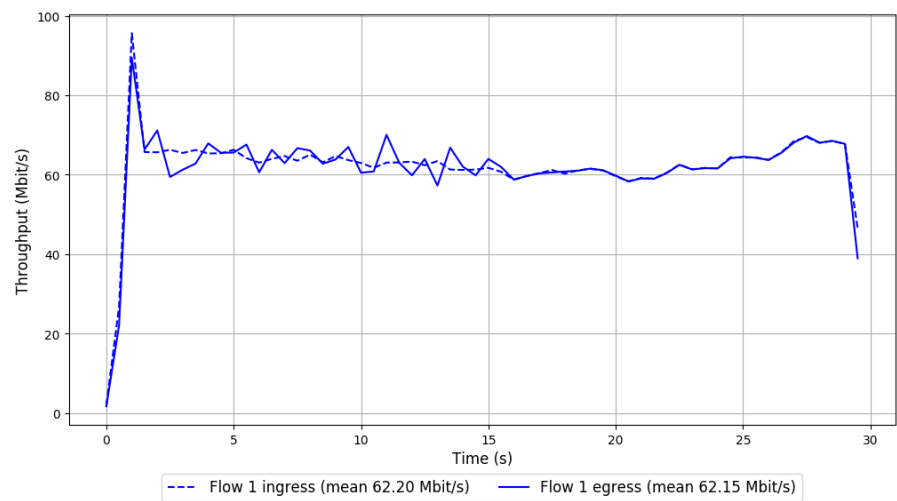
-- Flow 1:

Average throughput: 62.15 Mbit/s

95th percentile per-packet one-way delay: 126.060 ms

Loss rate: 0.38%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-01-25 08:09:13

End at: 2018-01-25 08:09:43

Local clock offset: 0.904 ms

Remote clock offset: 0.798 ms

Below is generated by plot.py at 2018-01-25 12:19:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.49 Mbit/s

95th percentile per-packet one-way delay: 143.233 ms

Loss rate: 1.53%

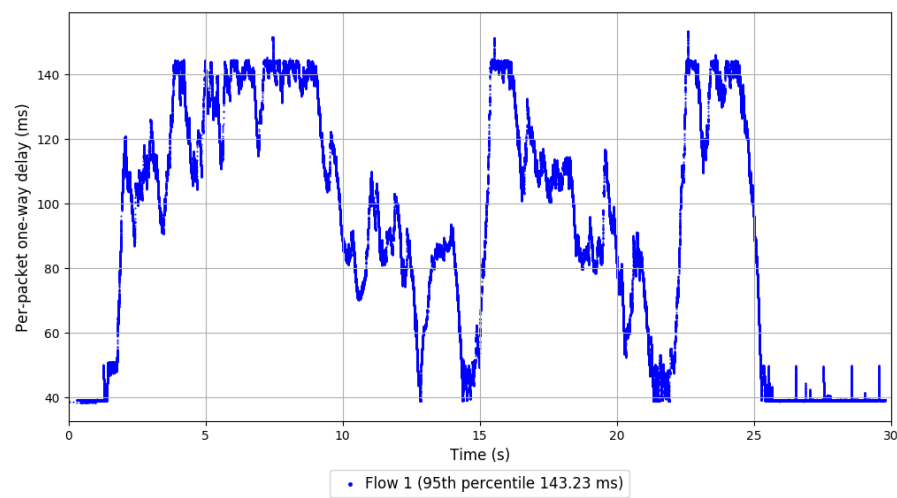
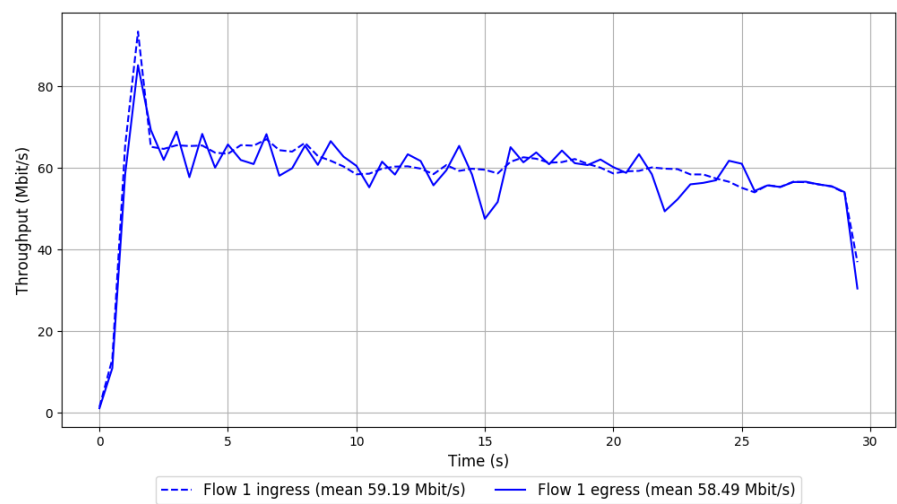
-- Flow 1:

Average throughput: 58.49 Mbit/s

95th percentile per-packet one-way delay: 143.233 ms

Loss rate: 1.53%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-01-25 08:28:21

End at: 2018-01-25 08:28:51

Local clock offset: 0.586 ms

Remote clock offset: 0.408 ms

Below is generated by plot.py at 2018-01-25 12:19:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.88 Mbit/s

95th percentile per-packet one-way delay: 109.175 ms

Loss rate: 0.39%

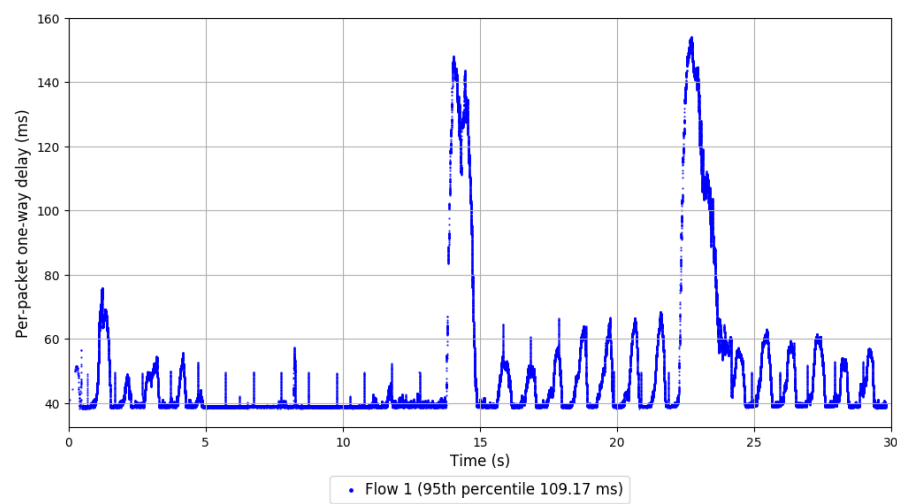
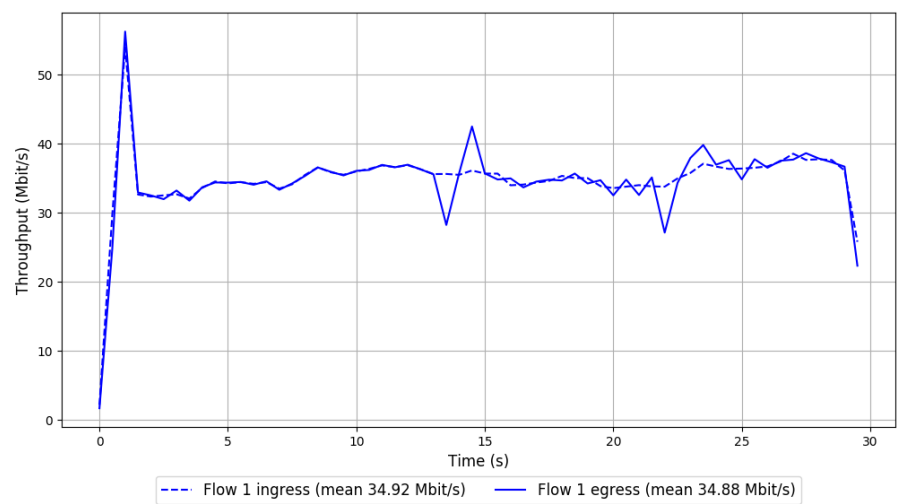
-- Flow 1:

Average throughput: 34.88 Mbit/s

95th percentile per-packet one-way delay: 109.175 ms

Loss rate: 0.39%

Run 9: Report of PCC — Data Link

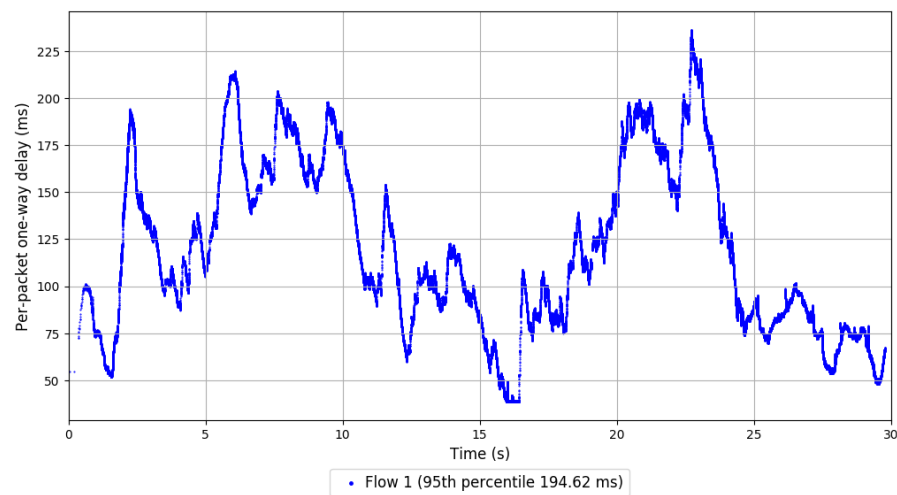
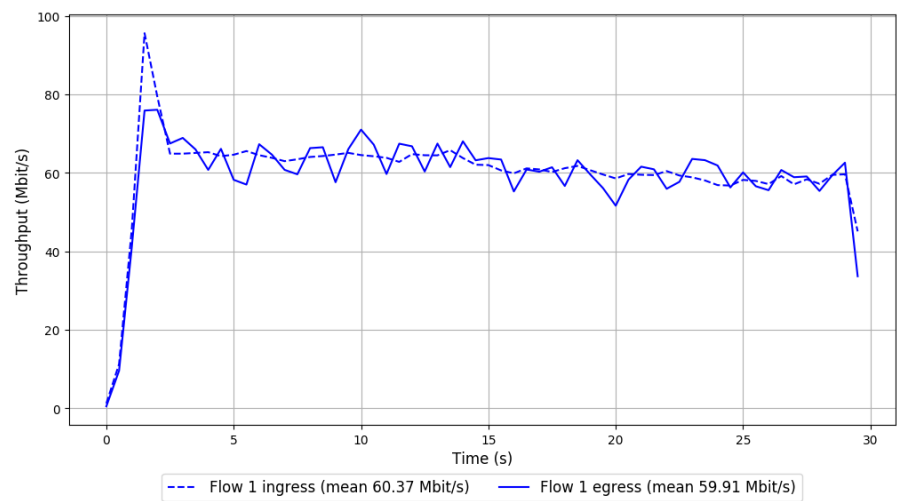


Run 10: Statistics of PCC

Start at: 2018-01-25 08:47:22
End at: 2018-01-25 08:47:52
Local clock offset: 0.26 ms
Remote clock offset: -0.753 ms

Below is generated by plot.py at 2018-01-25 12:19:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.91 Mbit/s
95th percentile per-packet one-way delay: 194.623 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 59.91 Mbit/s
95th percentile per-packet one-way delay: 194.623 ms
Loss rate: 1.21%

Run 10: Report of PCC — Data Link

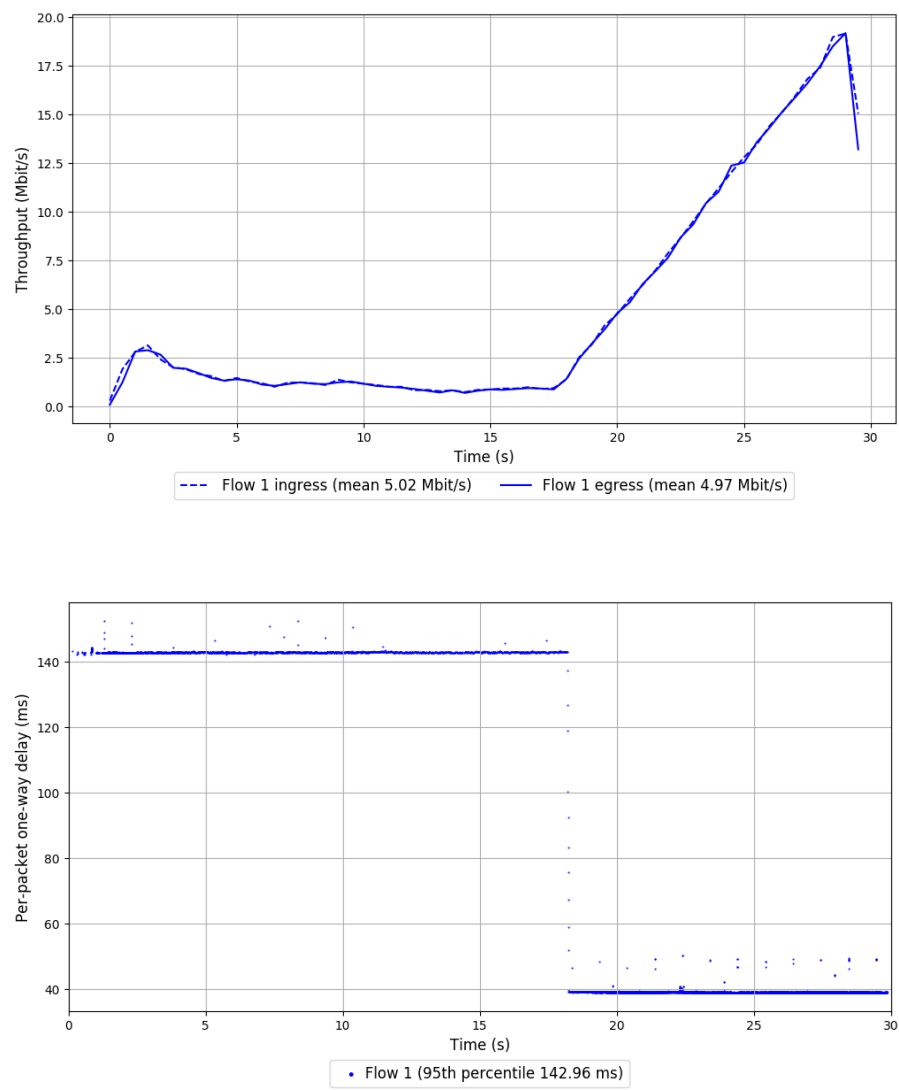


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-01-25 05:52:03
End at: 2018-01-25 05:52:33
Local clock offset: 1.657 ms
Remote clock offset: -3.535 ms

# Below is generated by plot.py at 2018-01-25 12:19:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.97 Mbit/s
95th percentile per-packet one-way delay: 142.962 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 4.97 Mbit/s
95th percentile per-packet one-way delay: 142.962 ms
Loss rate: 1.57%
```


Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-01-25 06:12:13

End at: 2018-01-25 06:12:43

Local clock offset: 1.596 ms

Remote clock offset: -2.599 ms

Below is generated by plot.py at 2018-01-25 12:19:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.41 Mbit/s

95th percentile per-packet one-way delay: 135.683 ms

Loss rate: 0.71%

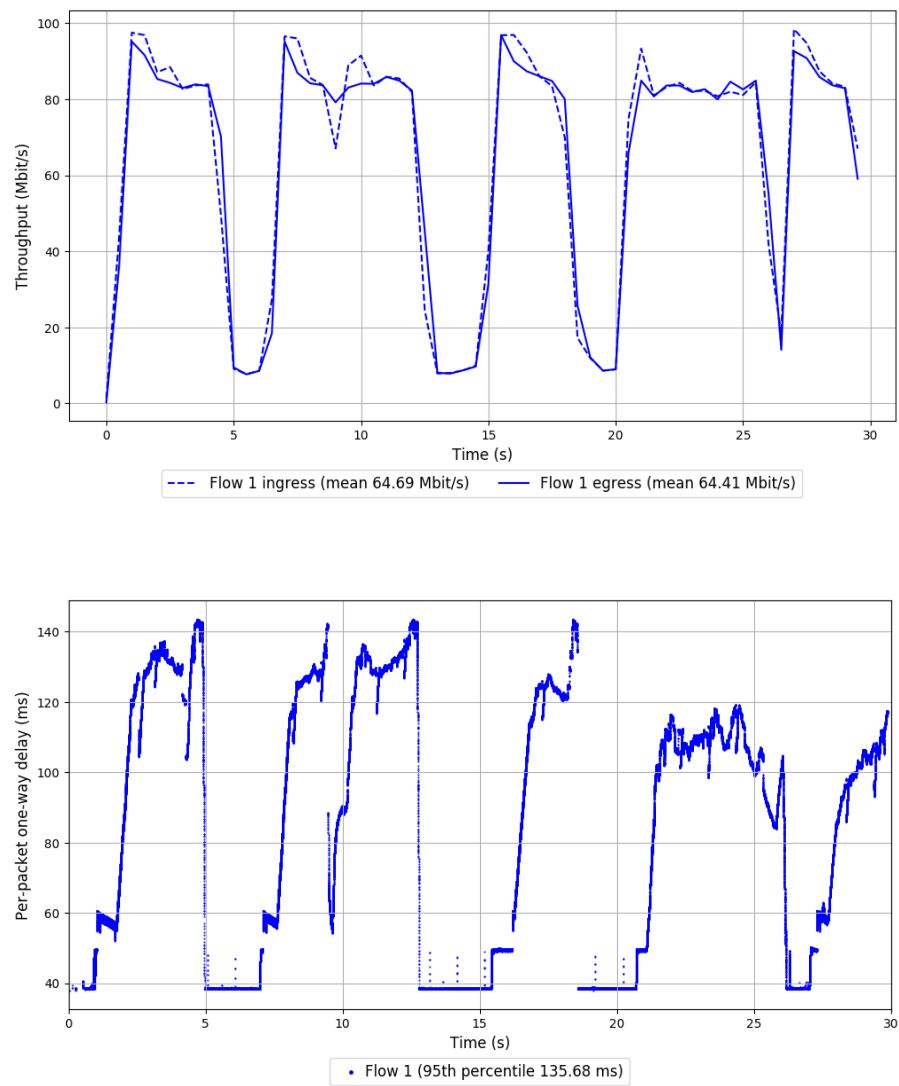
-- Flow 1:

Average throughput: 64.41 Mbit/s

95th percentile per-packet one-way delay: 135.683 ms

Loss rate: 0.71%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-01-25 06:31:23

End at: 2018-01-25 06:31:53

Local clock offset: 1.317 ms

Remote clock offset: -1.481 ms

Below is generated by plot.py at 2018-01-25 12:19:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.00 Mbit/s

95th percentile per-packet one-way delay: 135.455 ms

Loss rate: 0.75%

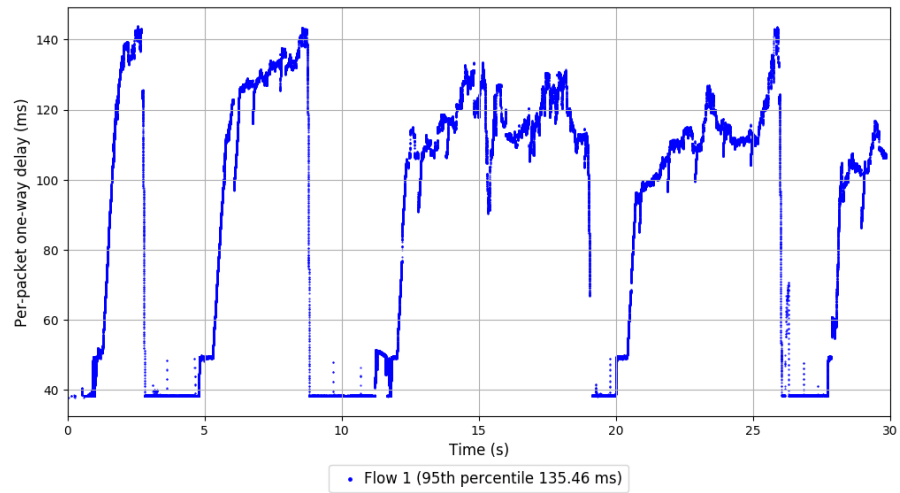
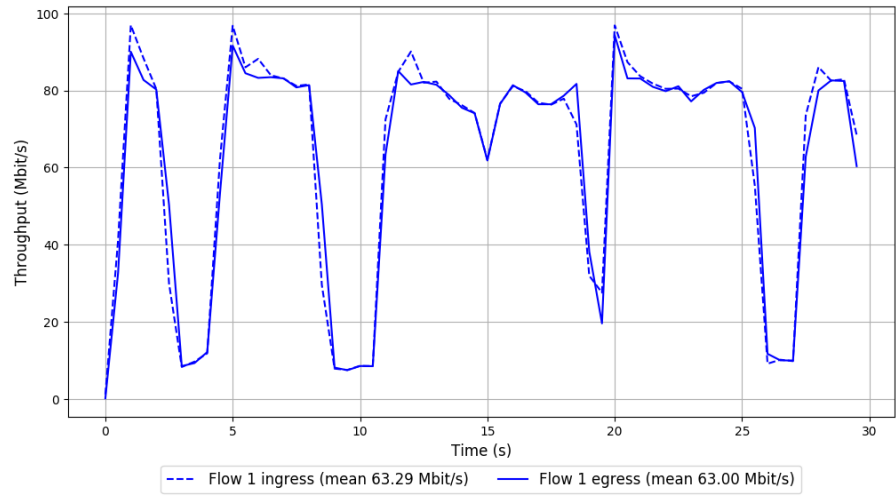
-- Flow 1:

Average throughput: 63.00 Mbit/s

95th percentile per-packet one-way delay: 135.455 ms

Loss rate: 0.75%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-01-25 06:50:33

End at: 2018-01-25 06:51:03

Local clock offset: 1.696 ms

Remote clock offset: -0.316 ms

Below is generated by plot.py at 2018-01-25 12:20:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.56 Mbit/s

95th percentile per-packet one-way delay: 134.537 ms

Loss rate: 0.62%

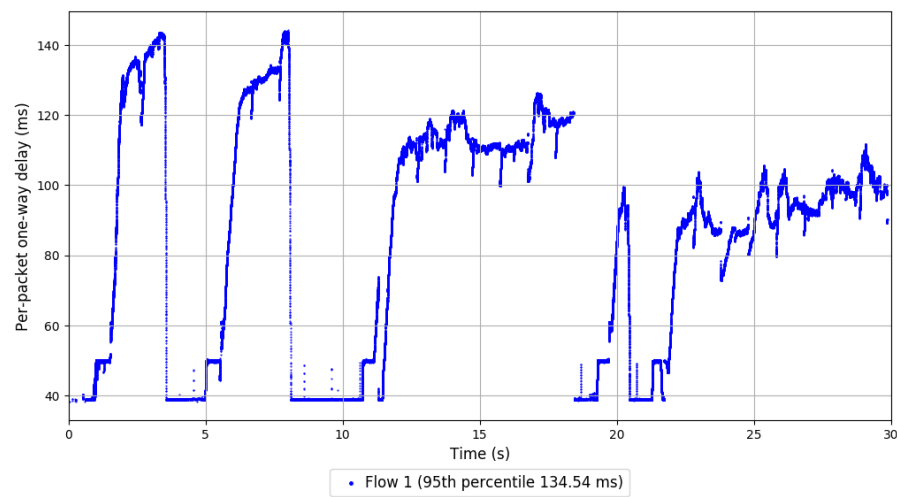
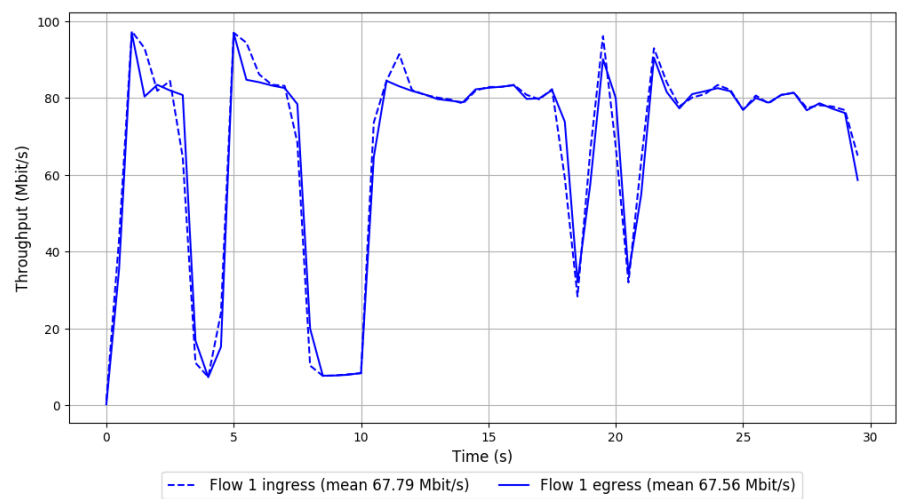
-- Flow 1:

Average throughput: 67.56 Mbit/s

95th percentile per-packet one-way delay: 134.537 ms

Loss rate: 0.62%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-01-25 07:09:43

End at: 2018-01-25 07:10:13

Local clock offset: 1.697 ms

Remote clock offset: 0.349 ms

Below is generated by plot.py at 2018-01-25 12:20:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.16 Mbit/s

95th percentile per-packet one-way delay: 136.024 ms

Loss rate: 0.71%

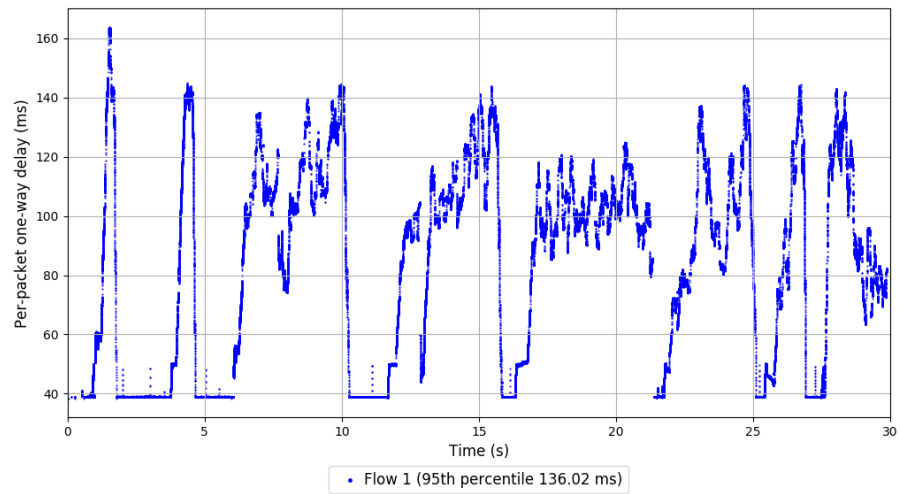
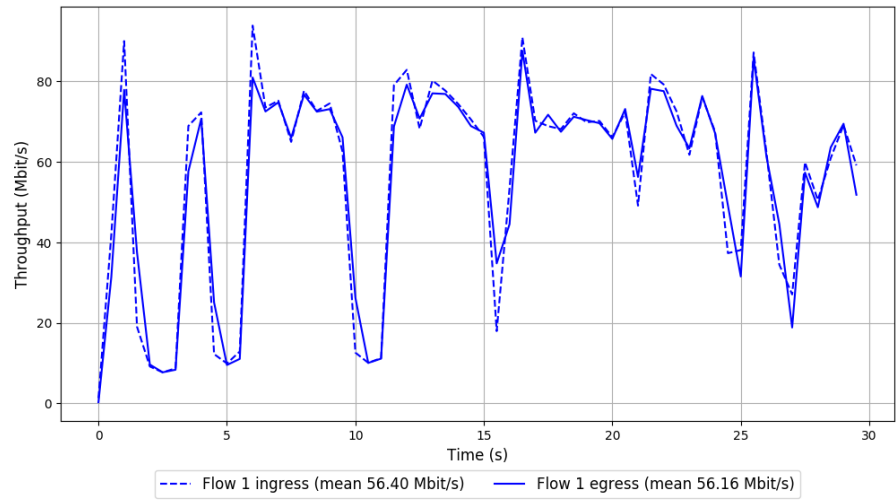
-- Flow 1:

Average throughput: 56.16 Mbit/s

95th percentile per-packet one-way delay: 136.024 ms

Loss rate: 0.71%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-01-25 07:28:45

End at: 2018-01-25 07:29:15

Local clock offset: 1.286 ms

Remote clock offset: 0.901 ms

Below is generated by plot.py at 2018-01-25 12:20:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.91 Mbit/s

95th percentile per-packet one-way delay: 137.967 ms

Loss rate: 0.85%

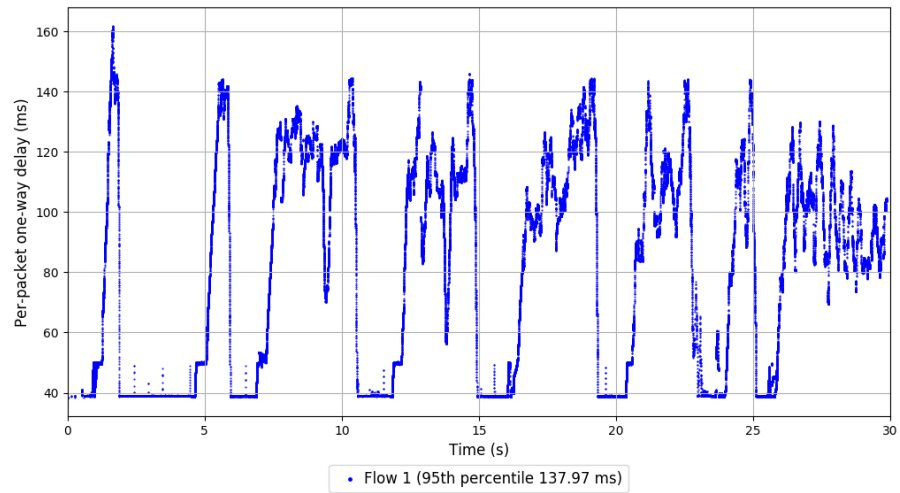
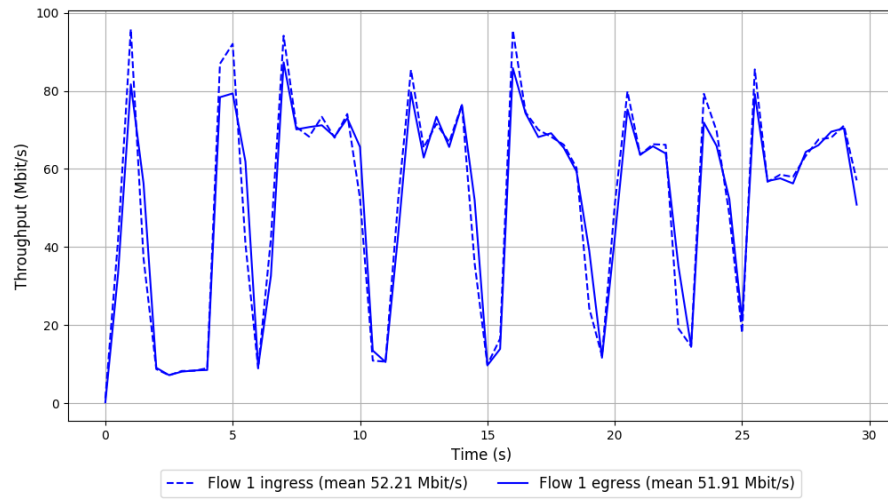
-- Flow 1:

Average throughput: 51.91 Mbit/s

95th percentile per-packet one-way delay: 137.967 ms

Loss rate: 0.85%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-01-25 07:47:43

End at: 2018-01-25 07:48:13

Local clock offset: 1.238 ms

Remote clock offset: 0.724 ms

Below is generated by plot.py at 2018-01-25 12:20:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.28 Mbit/s

95th percentile per-packet one-way delay: 136.912 ms

Loss rate: 0.75%

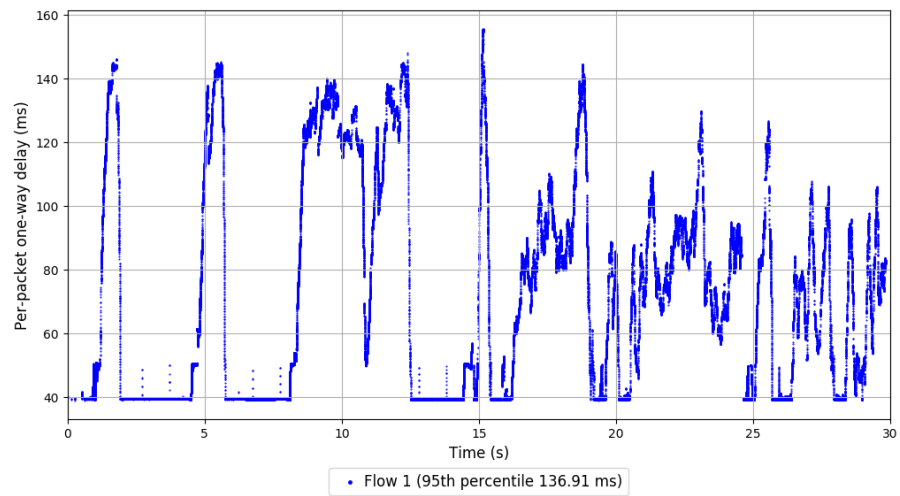
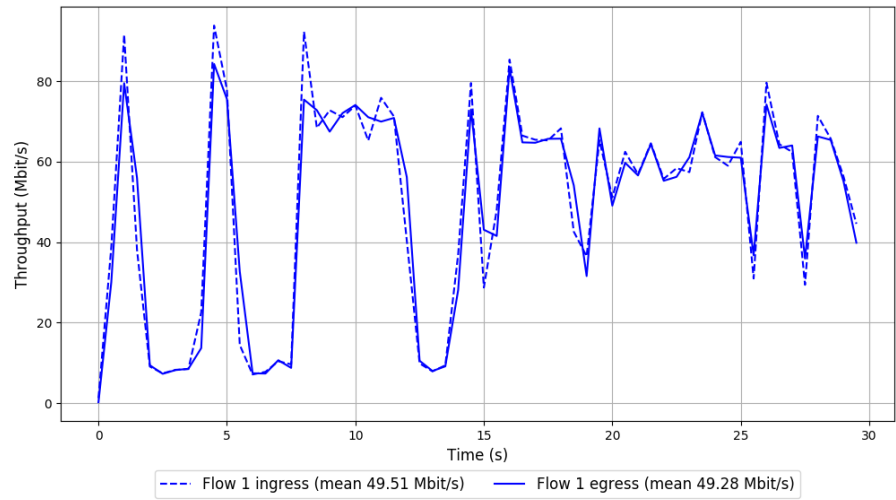
-- Flow 1:

Average throughput: 49.28 Mbit/s

95th percentile per-packet one-way delay: 136.912 ms

Loss rate: 0.75%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-01-25 08:06:51

End at: 2018-01-25 08:07:21

Local clock offset: 0.799 ms

Remote clock offset: 0.774 ms

Below is generated by plot.py at 2018-01-25 12:20:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.35 Mbit/s

95th percentile per-packet one-way delay: 134.619 ms

Loss rate: 1.07%

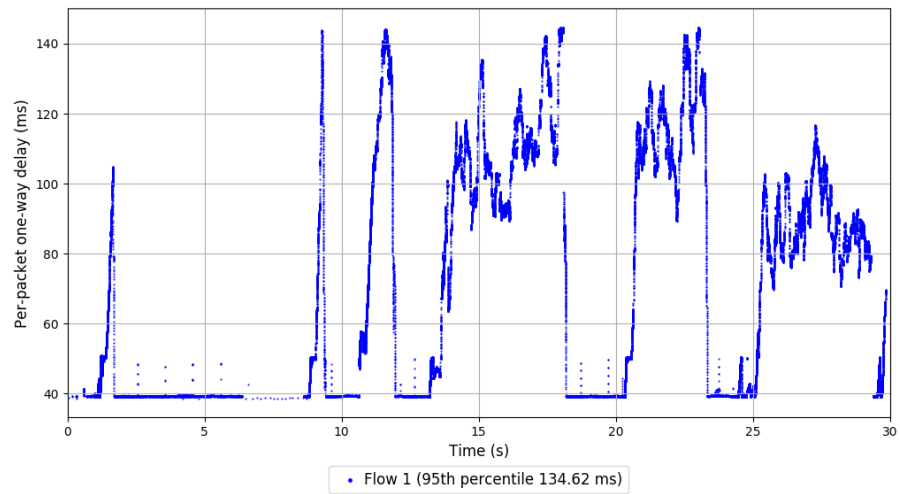
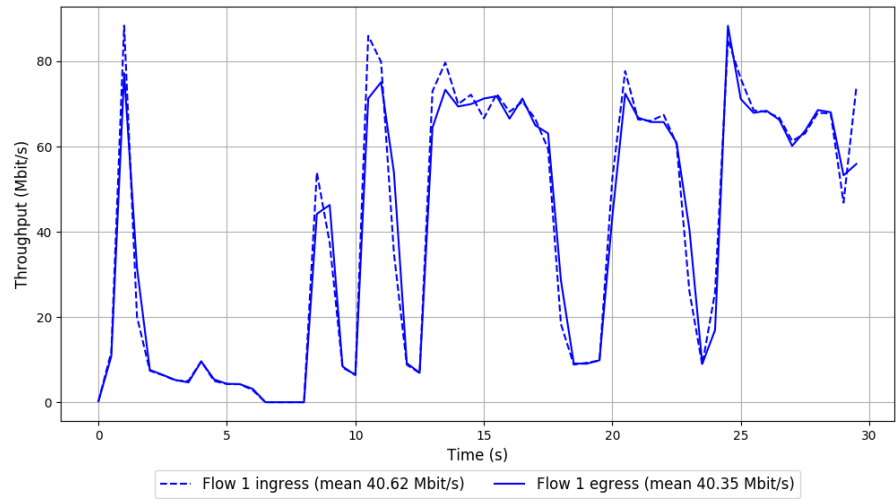
-- Flow 1:

Average throughput: 40.35 Mbit/s

95th percentile per-packet one-way delay: 134.619 ms

Loss rate: 1.07%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-01-25 08:25:59

End at: 2018-01-25 08:26:29

Local clock offset: 0.474 ms

Remote clock offset: 0.457 ms

Below is generated by plot.py at 2018-01-25 12:20:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.73 Mbit/s

95th percentile per-packet one-way delay: 135.647 ms

Loss rate: 1.15%

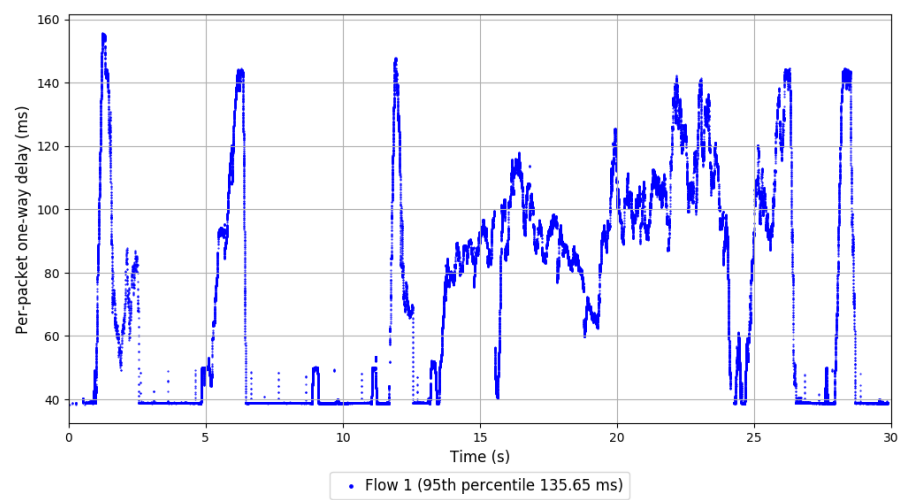
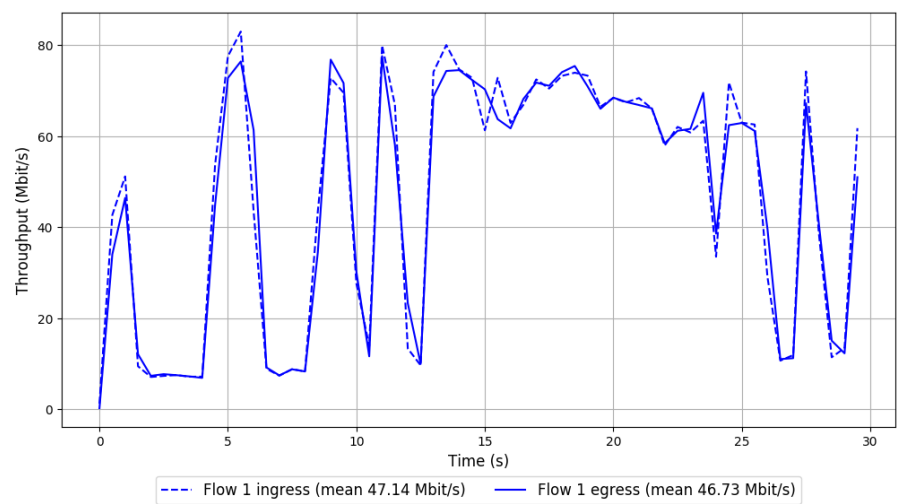
-- Flow 1:

Average throughput: 46.73 Mbit/s

95th percentile per-packet one-way delay: 135.647 ms

Loss rate: 1.15%

Run 9: Report of QUIC Cubic — Data Link

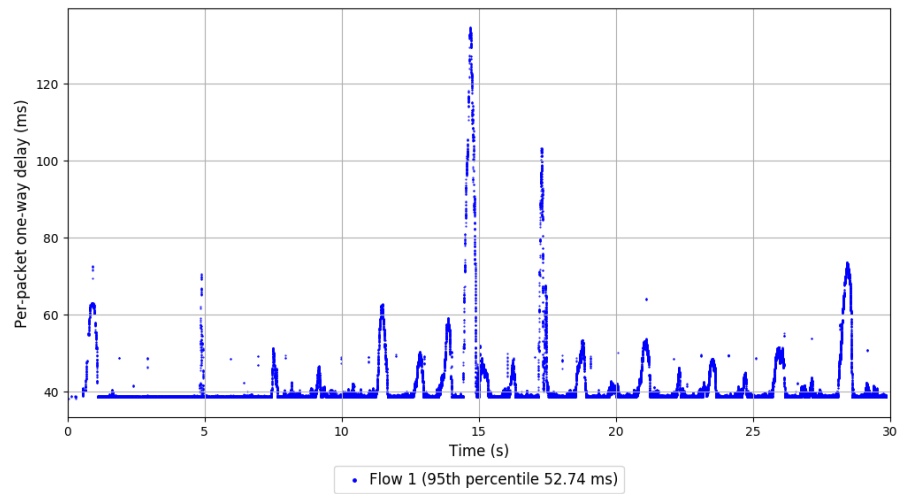
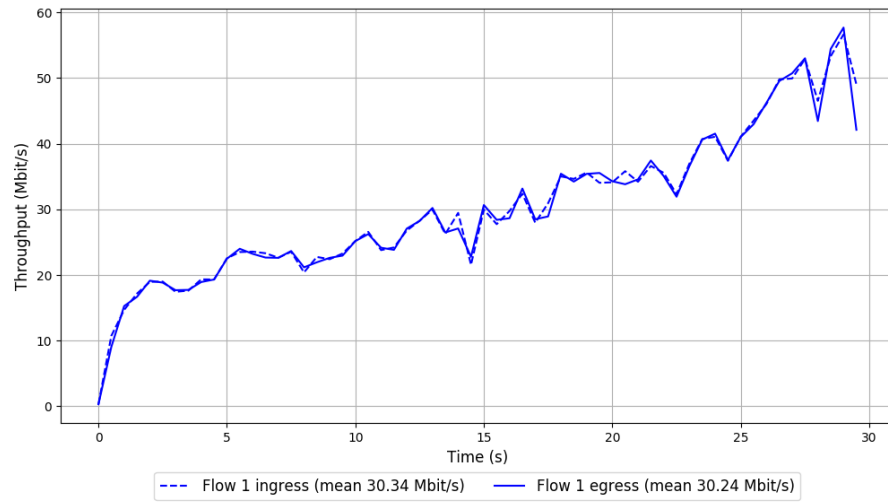


Run 10: Statistics of QUIC Cubic

Start at: 2018-01-25 08:44:55
End at: 2018-01-25 08:45:25
Local clock offset: 0.093 ms
Remote clock offset: -0.636 ms

Below is generated by plot.py at 2018-01-25 12:20:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 30.24 Mbit/s
95th percentile per-packet one-way delay: 52.742 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 30.24 Mbit/s
95th percentile per-packet one-way delay: 52.742 ms
Loss rate: 0.62%

Run 10: Report of QUIC Cubic — Data Link

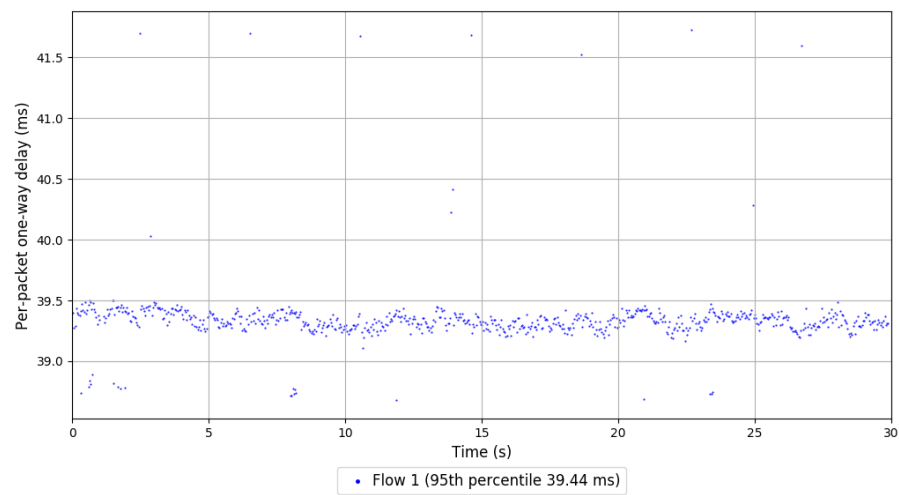
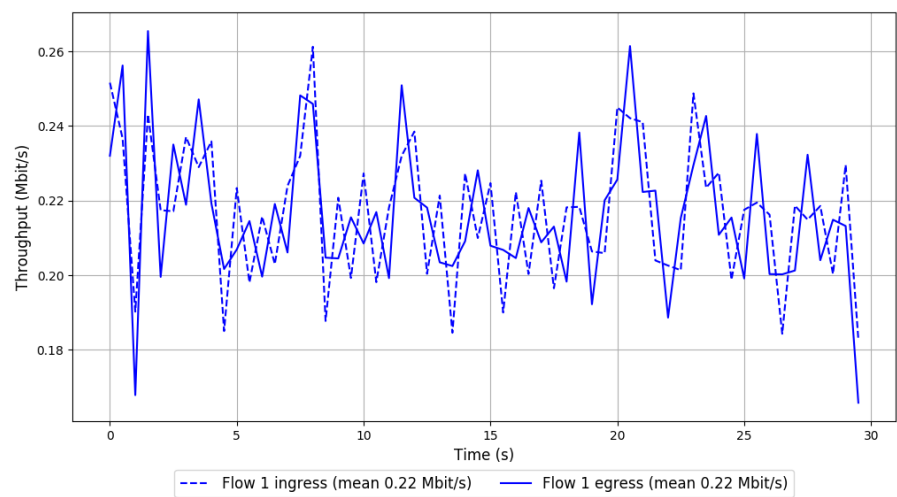


```
Run 1: Statistics of SCReAM

Start at: 2018-01-25 05:57:43
End at: 2018-01-25 05:58:13
Local clock offset: 1.651 ms
Remote clock offset: -3.355 ms

# Below is generated by plot.py at 2018-01-25 12:20:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 39.441 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 39.441 ms
Loss rate: 0.26%
```

Run 1: Report of SReAM — Data Link

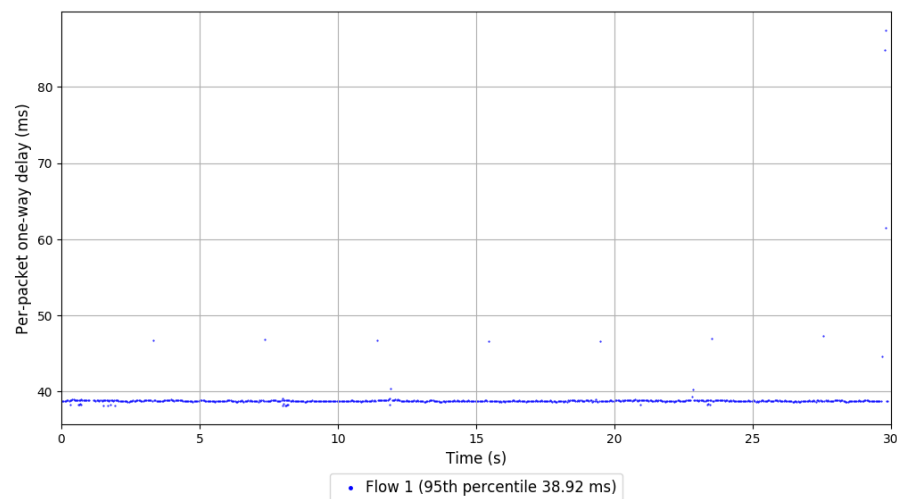
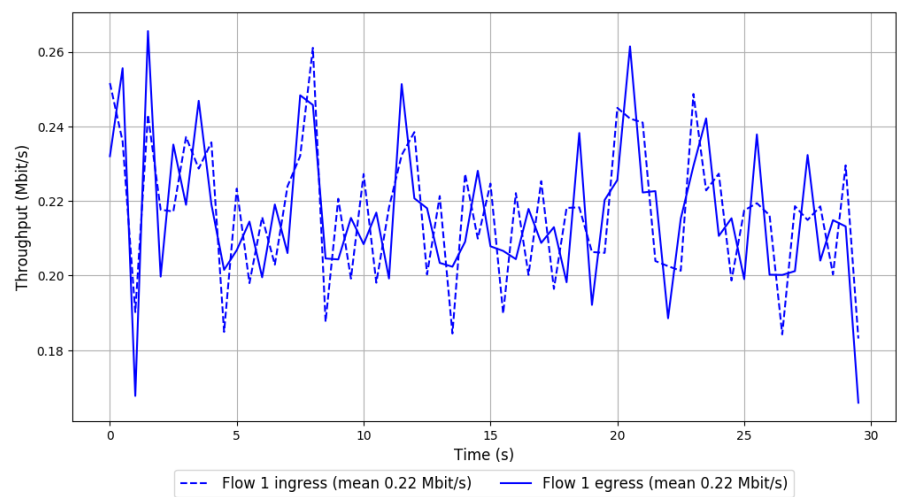


Run 2: Statistics of SCReAM

Start at: 2018-01-25 06:17:03
End at: 2018-01-25 06:17:33
Local clock offset: 1.589 ms
Remote clock offset: -2.259 ms

Below is generated by plot.py at 2018-01-25 12:20:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 38.916 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 38.916 ms
Loss rate: 0.26%

Run 2: Report of SReAM — Data Link

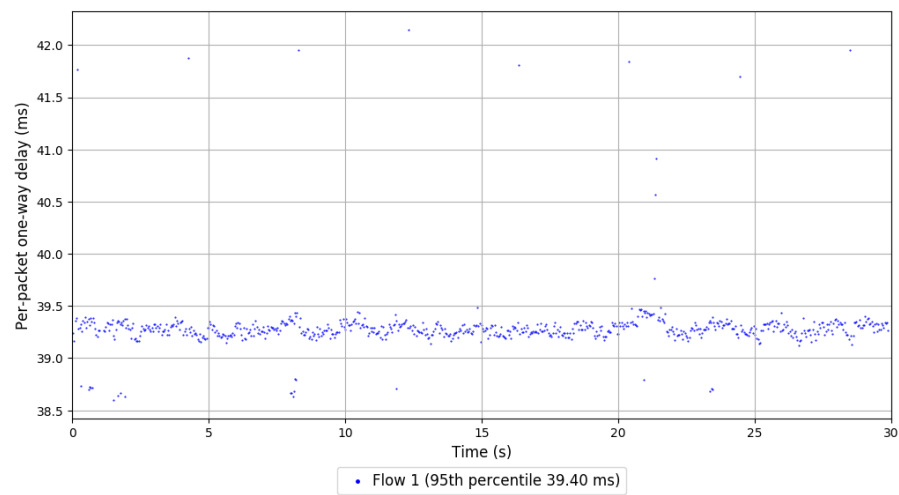
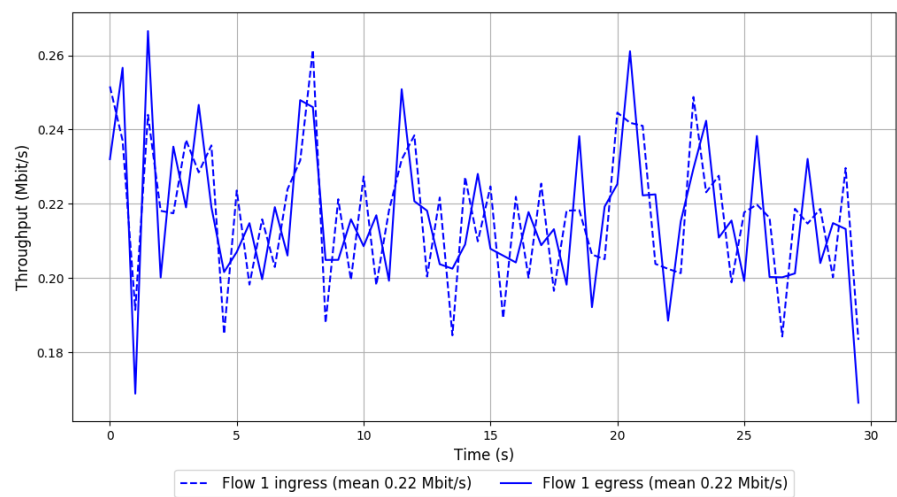


Run 3: Statistics of SCReAM

Start at: 2018-01-25 06:36:12
End at: 2018-01-25 06:36:42
Local clock offset: 1.826 ms
Remote clock offset: -1.246 ms

Below is generated by plot.py at 2018-01-25 12:20:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 39.396 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 39.396 ms
Loss rate: 0.26%

Run 3: Report of SReAM — Data Link

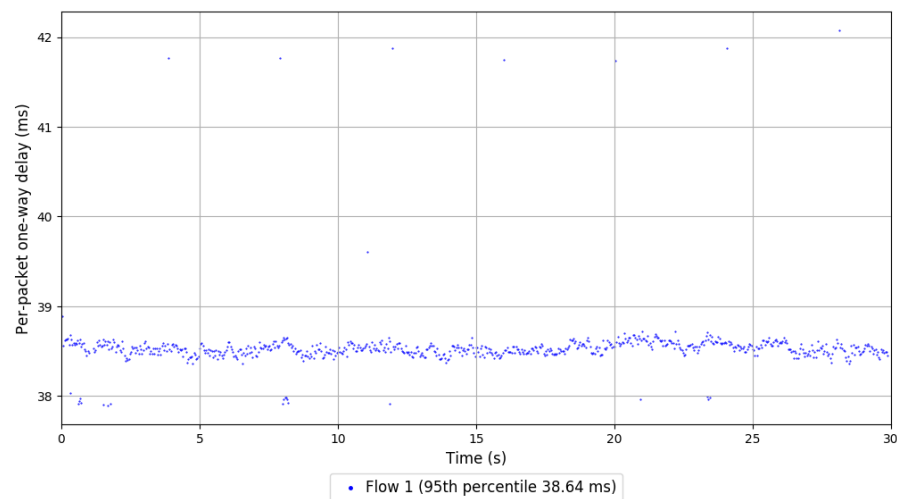
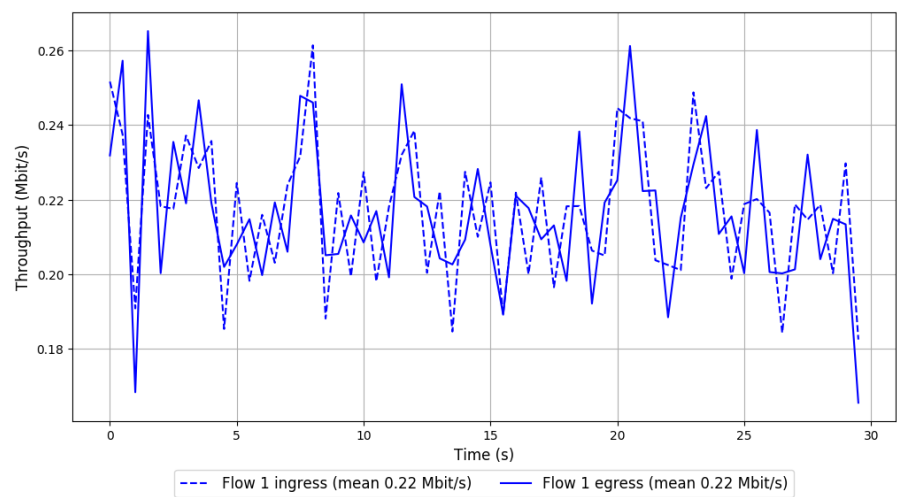


Run 4: Statistics of SCReAM

Start at: 2018-01-25 06:55:23
End at: 2018-01-25 06:55:53
Local clock offset: 1.622 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-01-25 12:20:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 38.643 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 38.643 ms
Loss rate: 0.26%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-01-25 07:14:31

End at: 2018-01-25 07:15:01

Local clock offset: 1.502 ms

Remote clock offset: 0.546 ms

Below is generated by plot.py at 2018-01-25 12:20:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 38.712 ms

Loss rate: 0.26%

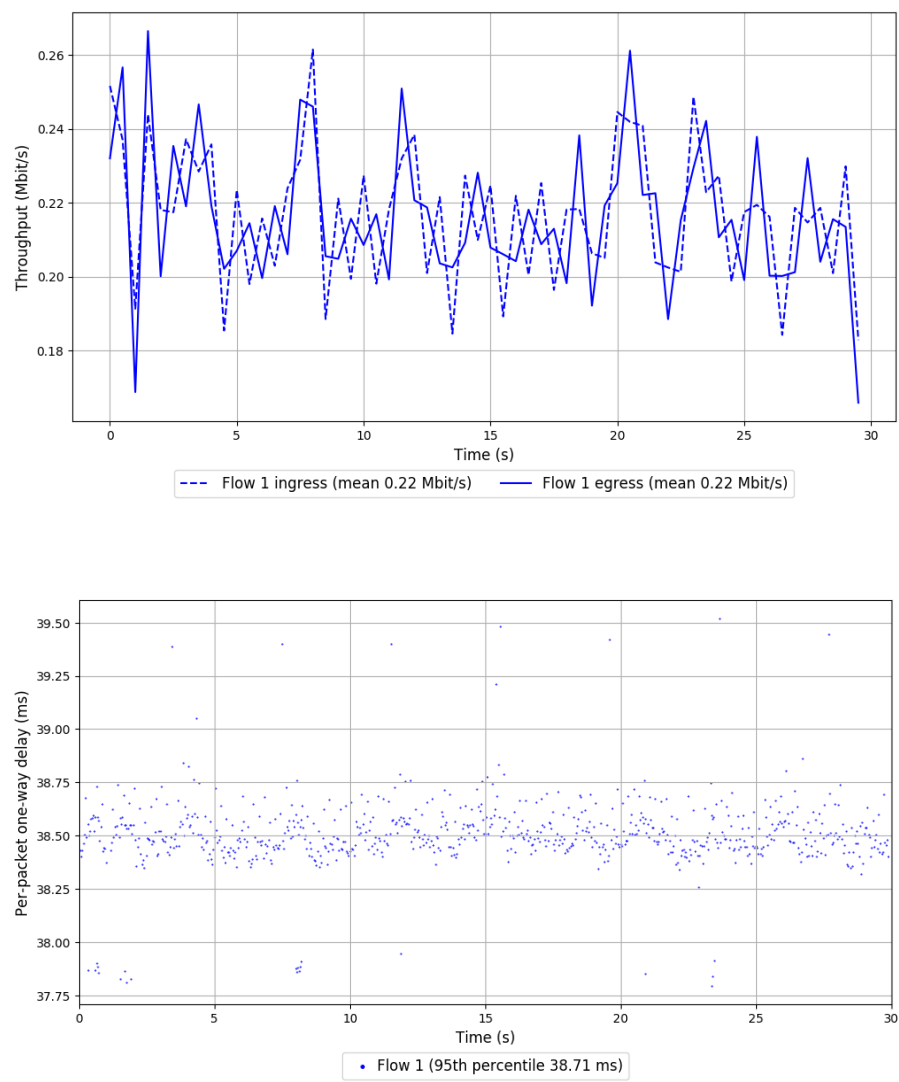
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 38.712 ms

Loss rate: 0.26%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-01-25 07:33:32

End at: 2018-01-25 07:34:02

Local clock offset: 1.351 ms

Remote clock offset: 0.852 ms

Below is generated by plot.py at 2018-01-25 12:20:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 39.019 ms

Loss rate: 0.26%

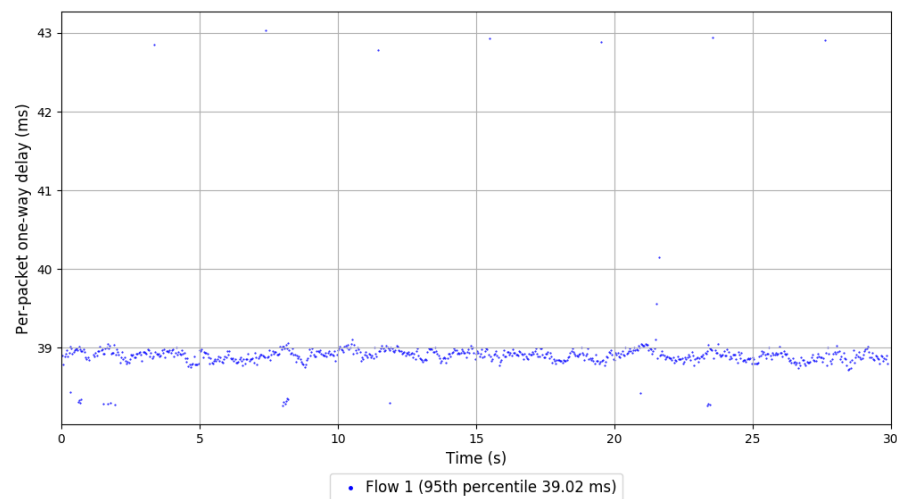
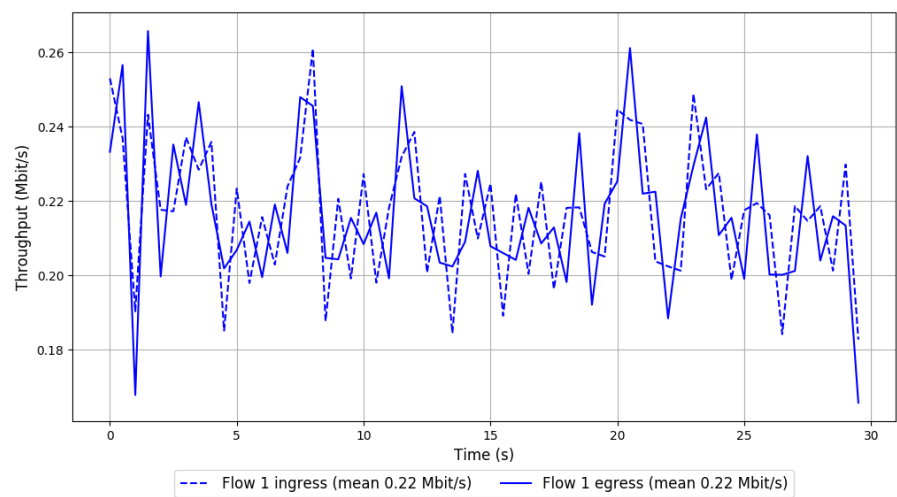
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 39.019 ms

Loss rate: 0.26%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-01-25 07:52:30

End at: 2018-01-25 07:53:00

Local clock offset: 0.641 ms

Remote clock offset: 0.675 ms

Below is generated by plot.py at 2018-01-25 12:20:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 38.542 ms

Loss rate: 0.38%

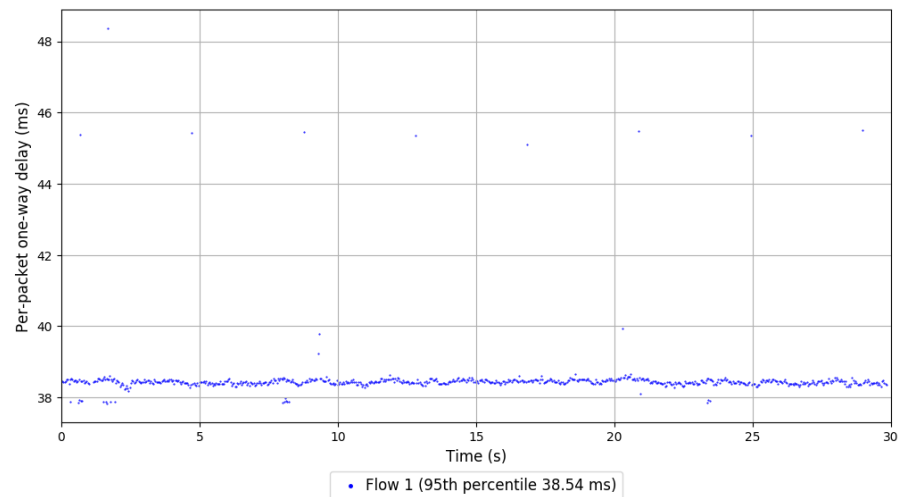
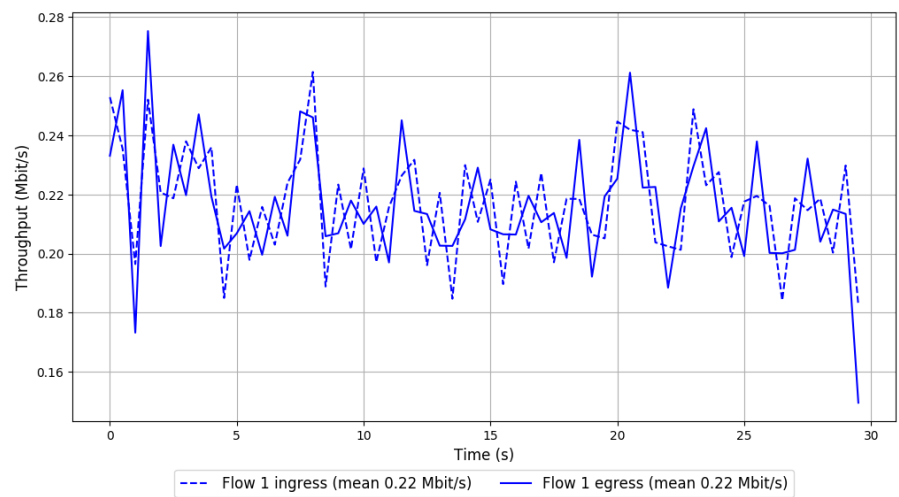
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 38.542 ms

Loss rate: 0.38%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

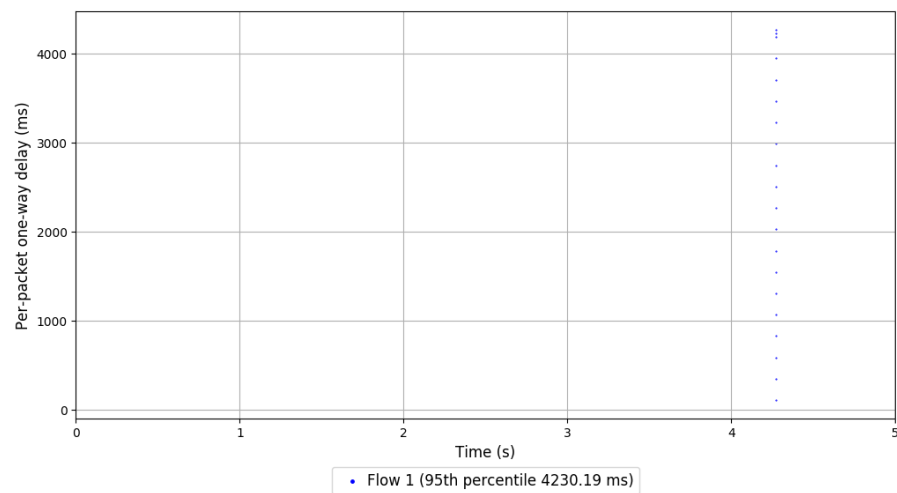
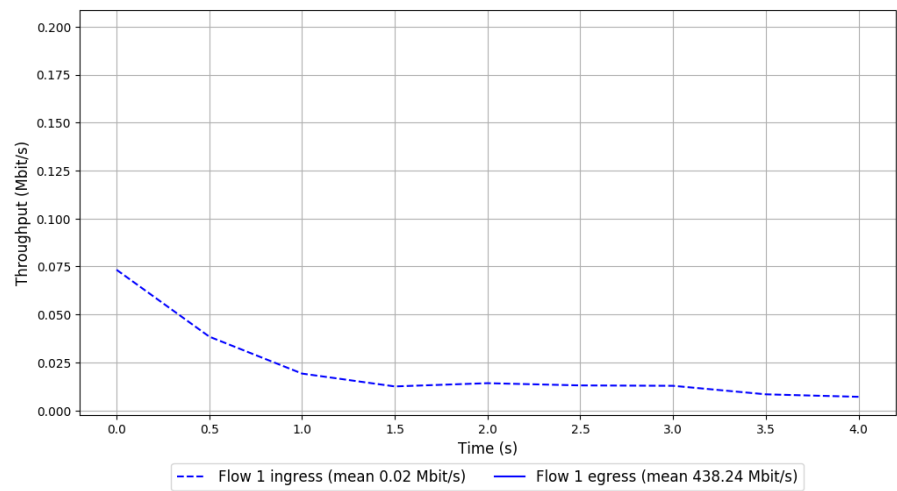
Start at: 2018-01-25 08:11:41

End at: 2018-01-25 08:12:11

Local clock offset: 1.035 ms

Remote clock offset: 0.837 ms

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-01-25 08:30:45

End at: 2018-01-25 08:31:15

Local clock offset: -0.039 ms

Remote clock offset: 0.145 ms

Below is generated by plot.py at 2018-01-25 12:20:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 64.665 ms

Loss rate: 0.38%

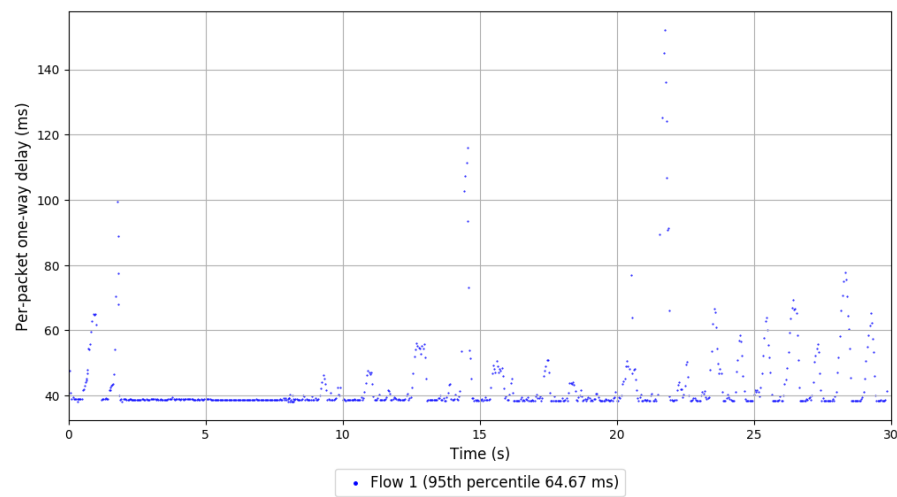
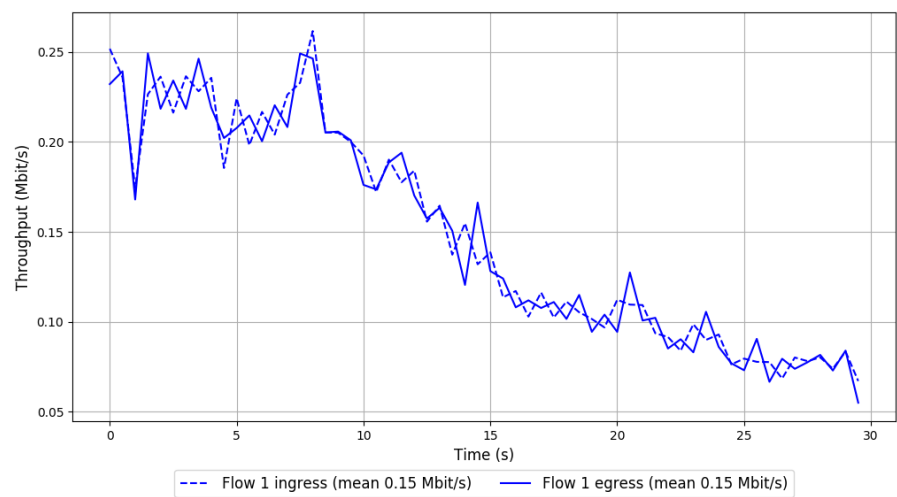
-- Flow 1:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 64.665 ms

Loss rate: 0.38%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-01-25 08:50:06

End at: 2018-01-25 08:50:36

Local clock offset: -2.415 ms

Remote clock offset: -0.92 ms

Below is generated by plot.py at 2018-01-25 12:20:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 36.156 ms

Loss rate: 0.38%

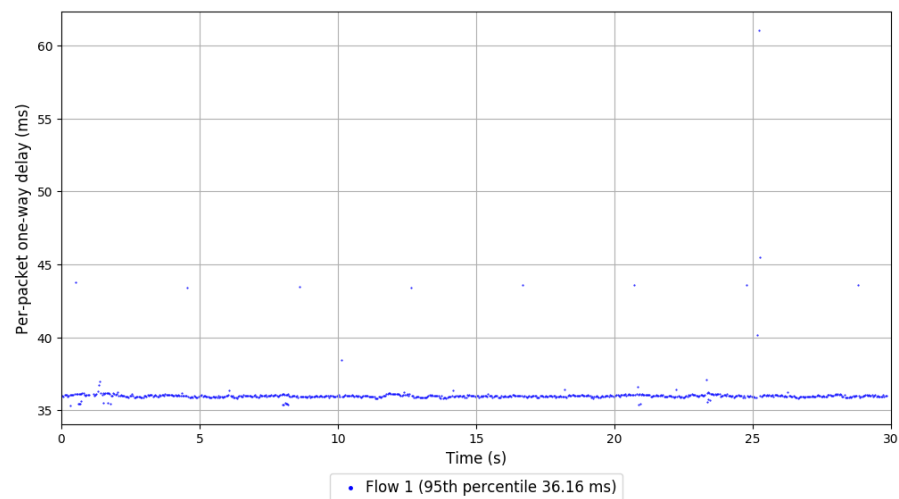
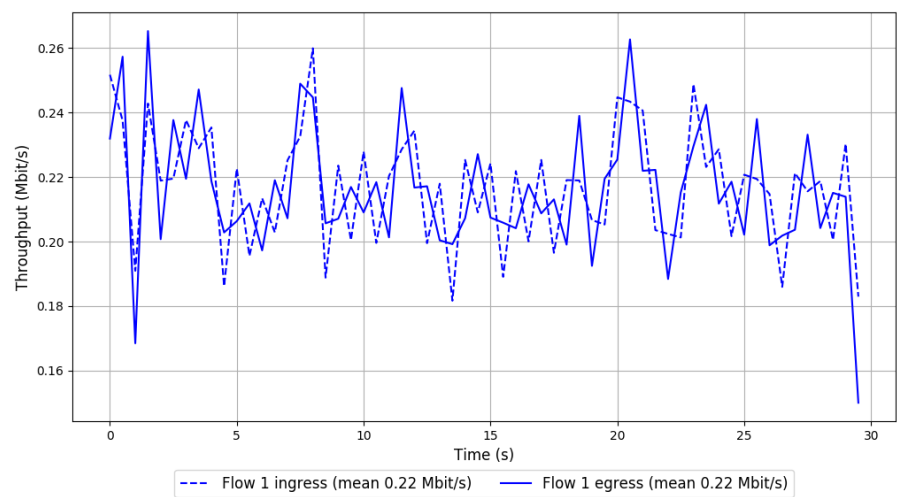
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 36.156 ms

Loss rate: 0.38%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-01-25 05:50:53

End at: 2018-01-25 05:51:23

Local clock offset: 1.329 ms

Remote clock offset: -3.598 ms

Below is generated by plot.py at 2018-01-25 12:20:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 39.111 ms

Loss rate: 0.52%

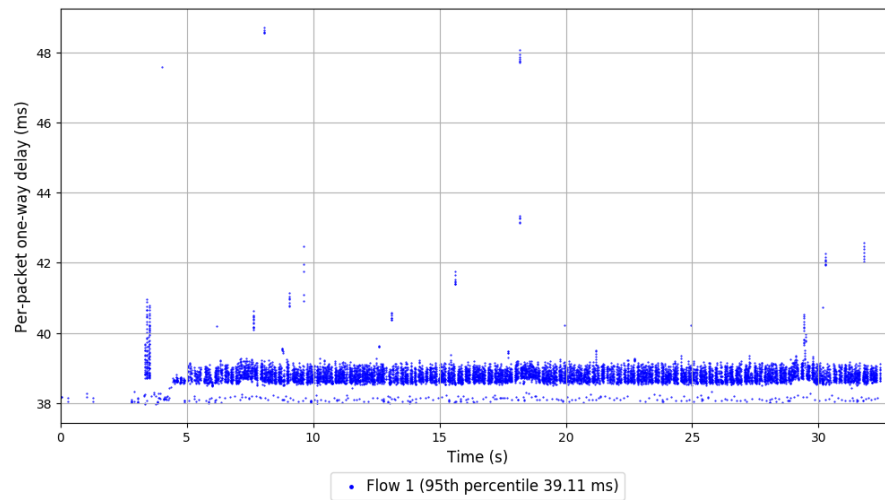
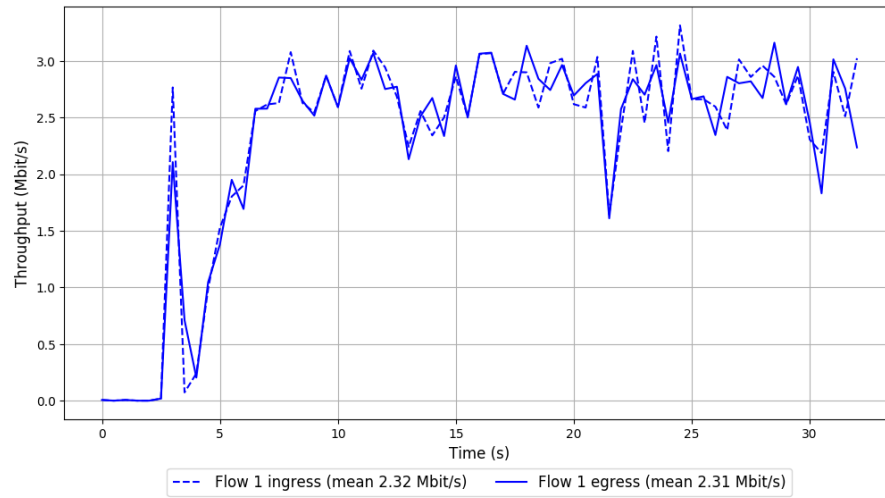
-- Flow 1:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 39.111 ms

Loss rate: 0.52%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-01-25 06:11:04

End at: 2018-01-25 06:11:34

Local clock offset: 1.326 ms

Remote clock offset: -2.679 ms

Below is generated by plot.py at 2018-01-25 12:20:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 39.295 ms

Loss rate: 0.31%

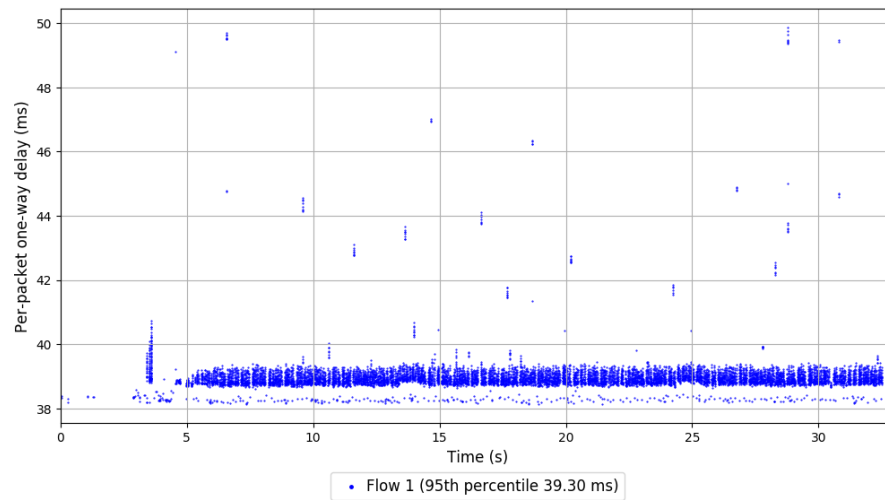
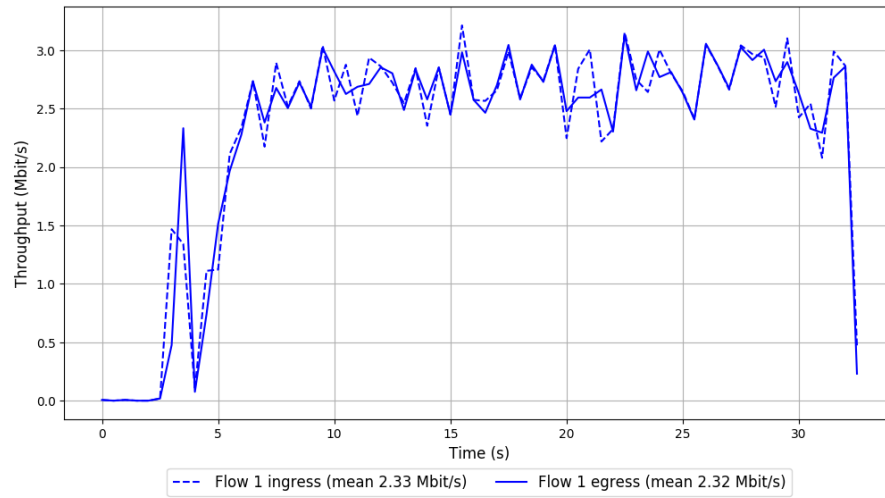
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 39.295 ms

Loss rate: 0.31%

Run 2: Report of WebRTC media — Data Link

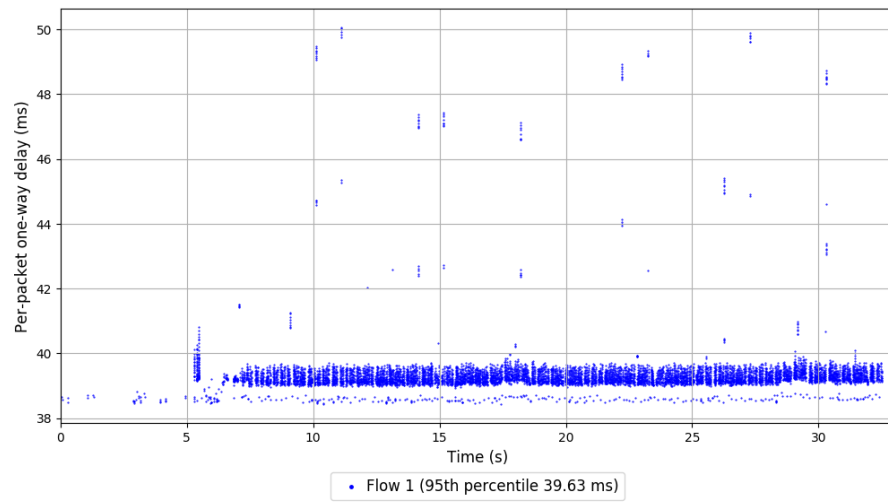
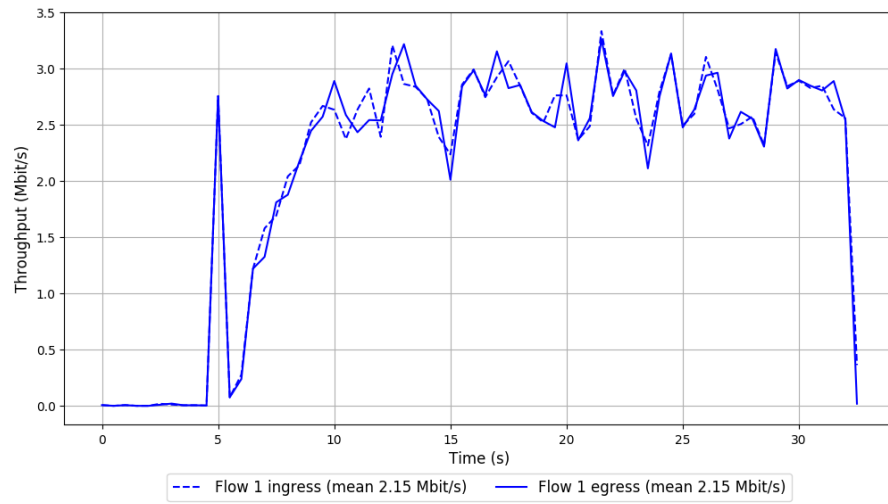


Run 3: Statistics of WebRTC media

Start at: 2018-01-25 06:30:14
End at: 2018-01-25 06:30:44
Local clock offset: 2.079 ms
Remote clock offset: -1.556 ms

Below is generated by plot.py at 2018-01-25 12:20:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 39.626 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 39.626 ms
Loss rate: 0.26%

Run 3: Report of WebRTC media — Data Link

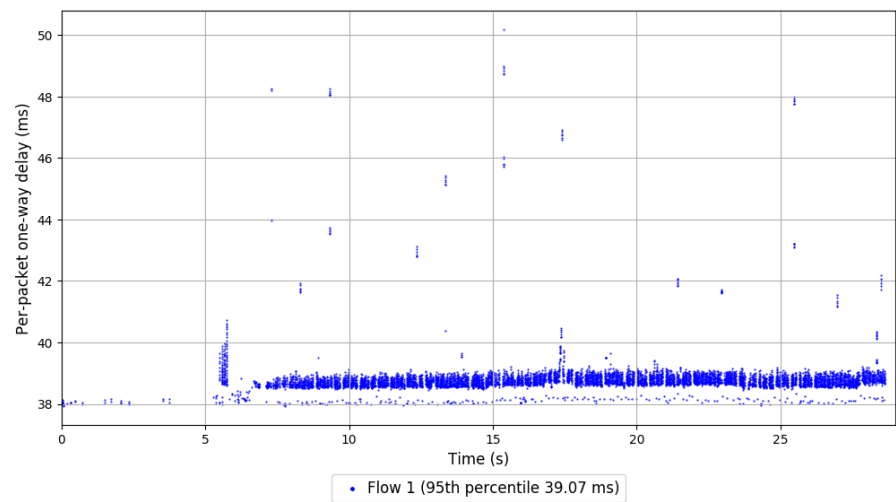
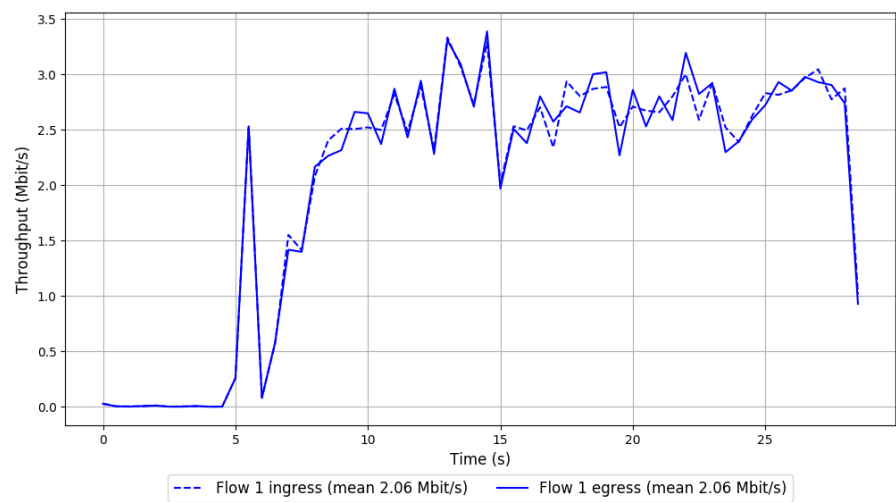


Run 4: Statistics of WebRTC media

Start at: 2018-01-25 06:49:25
End at: 2018-01-25 06:49:55
Local clock offset: 1.564 ms
Remote clock offset: -0.379 ms

Below is generated by plot.py at 2018-01-25 12:20:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 39.074 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 39.074 ms
Loss rate: 0.38%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-01-25 07:08:35

End at: 2018-01-25 07:09:05

Local clock offset: 1.828 ms

Remote clock offset: 0.283 ms

Below is generated by plot.py at 2018-01-25 12:20:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 39.271 ms

Loss rate: 0.32%

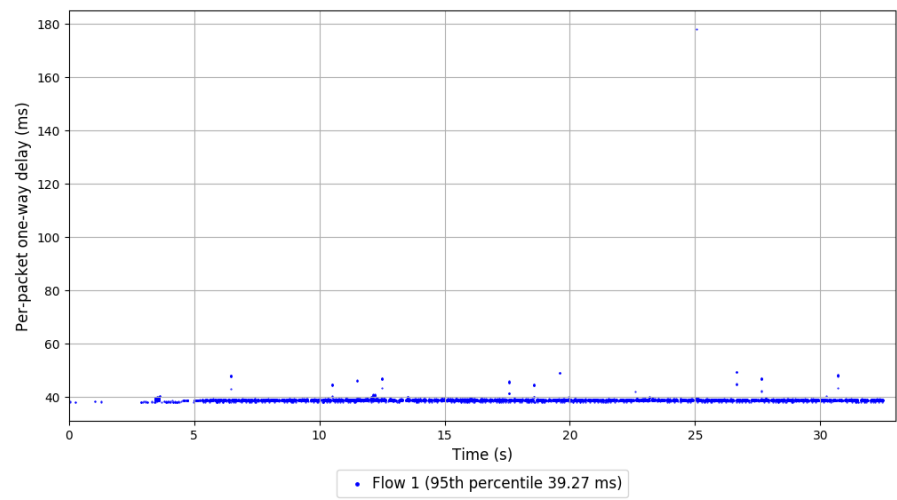
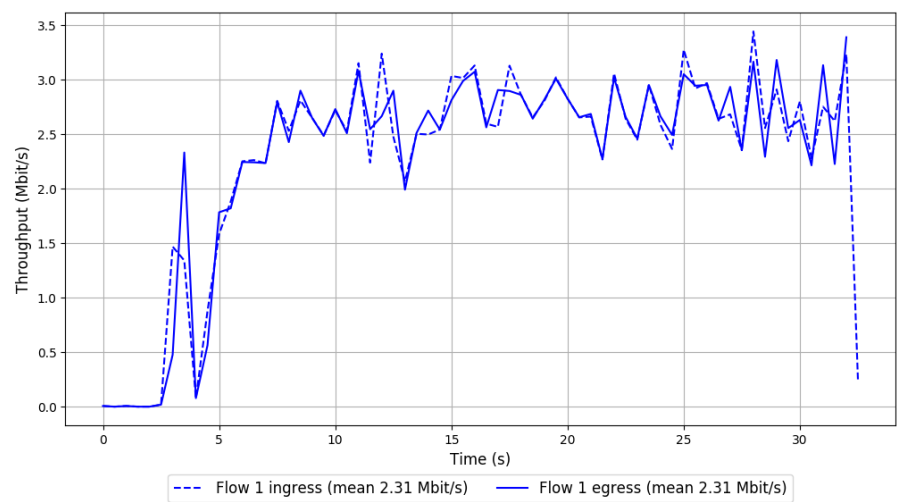
-- Flow 1:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 39.271 ms

Loss rate: 0.32%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

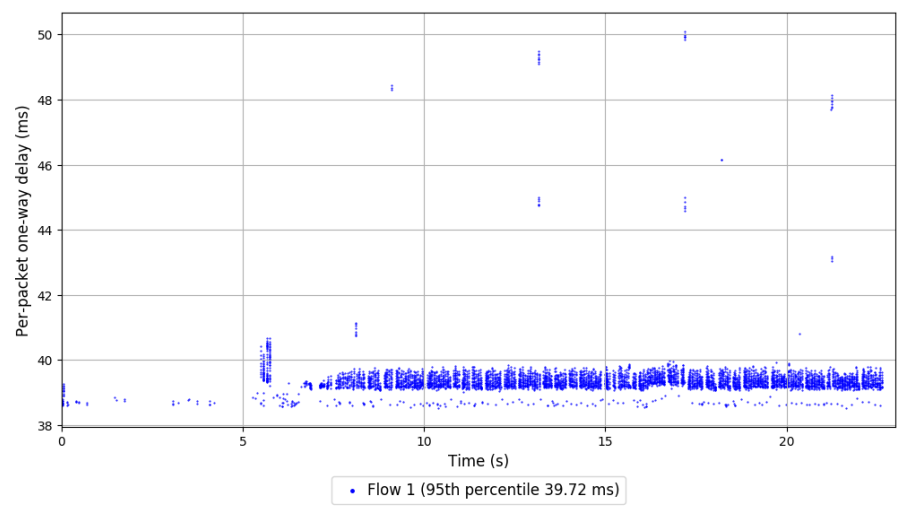
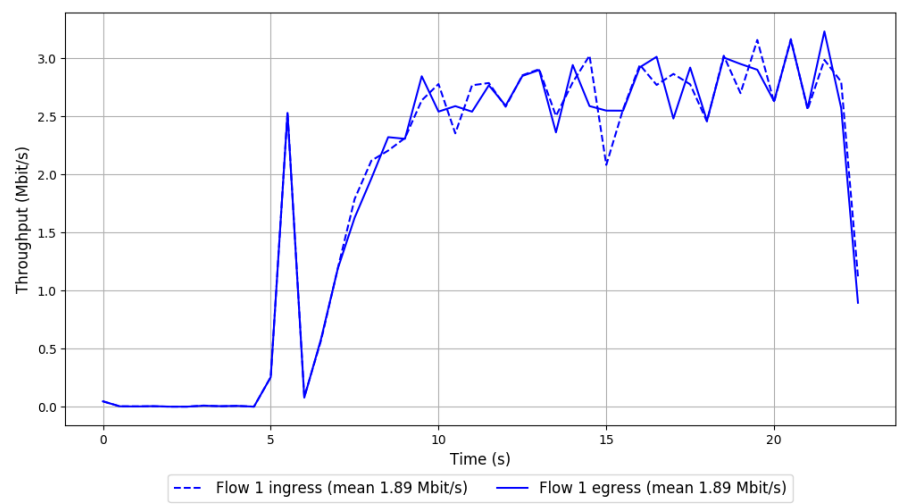
Start at: 2018-01-25 07:27:37

End at: 2018-01-25 07:28:07

Local clock offset: 1.671 ms

Remote clock offset: 0.921 ms

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

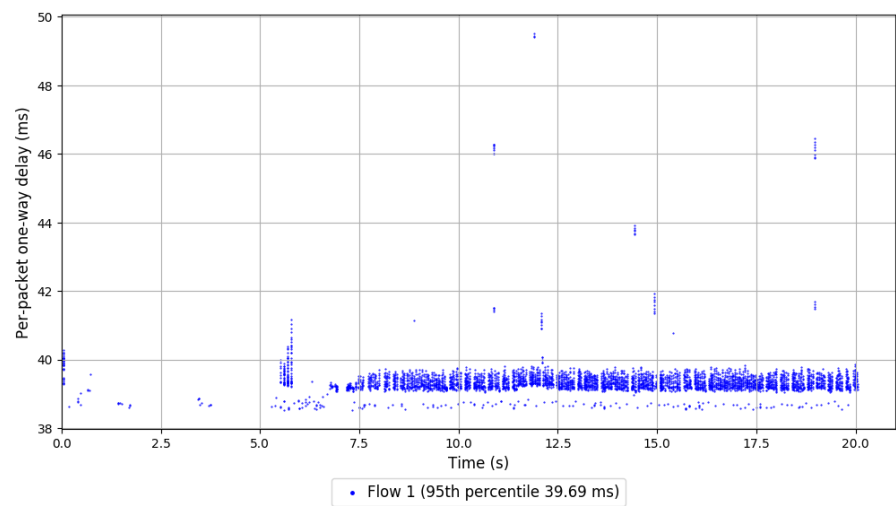
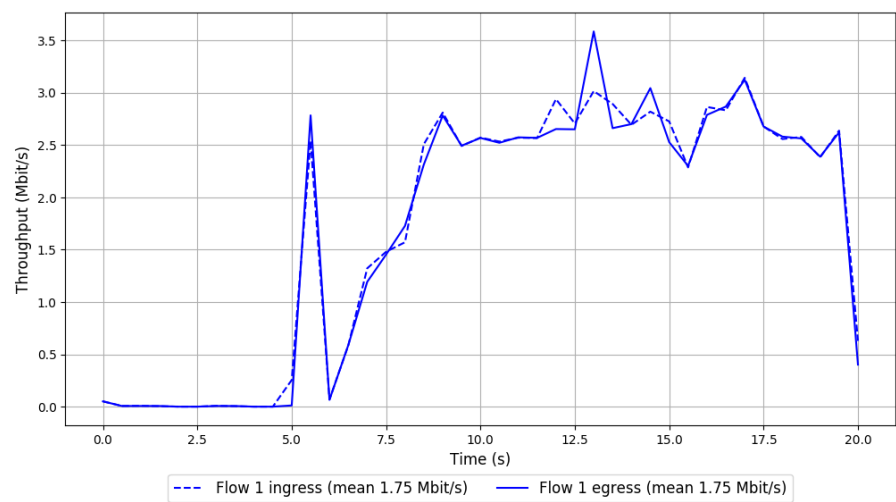
Start at: 2018-01-25 07:46:35

End at: 2018-01-25 07:47:05

Local clock offset: 1.211 ms

Remote clock offset: 0.686 ms

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-01-25 08:05:42

End at: 2018-01-25 08:06:12

Local clock offset: 1.001 ms

Remote clock offset: 0.762 ms

Below is generated by plot.py at 2018-01-25 12:20:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 39.377 ms

Loss rate: 0.15%

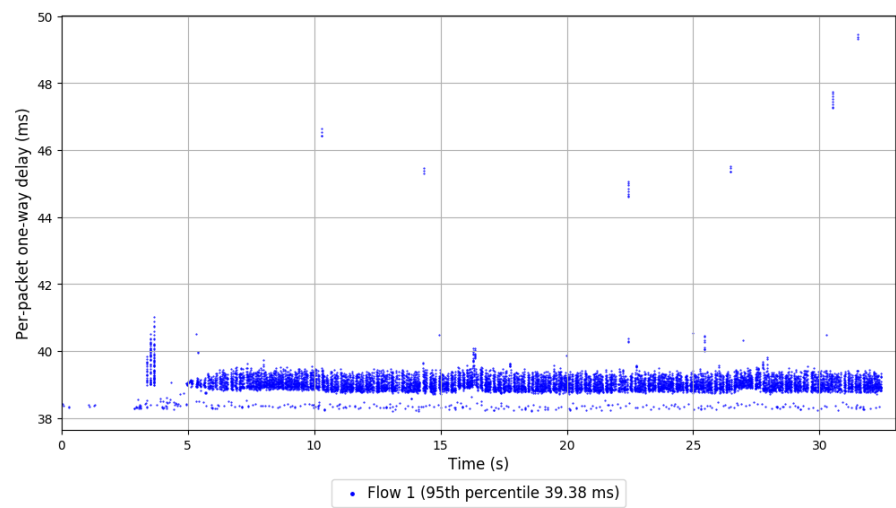
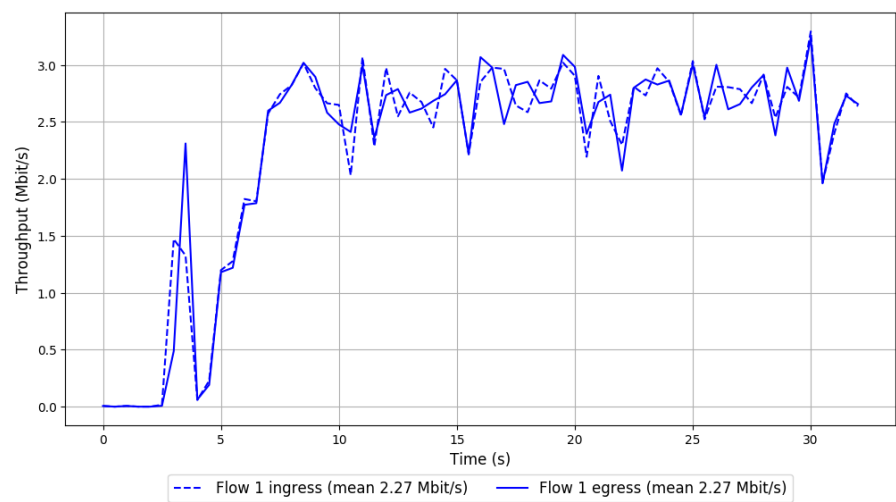
-- Flow 1:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 39.377 ms

Loss rate: 0.15%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

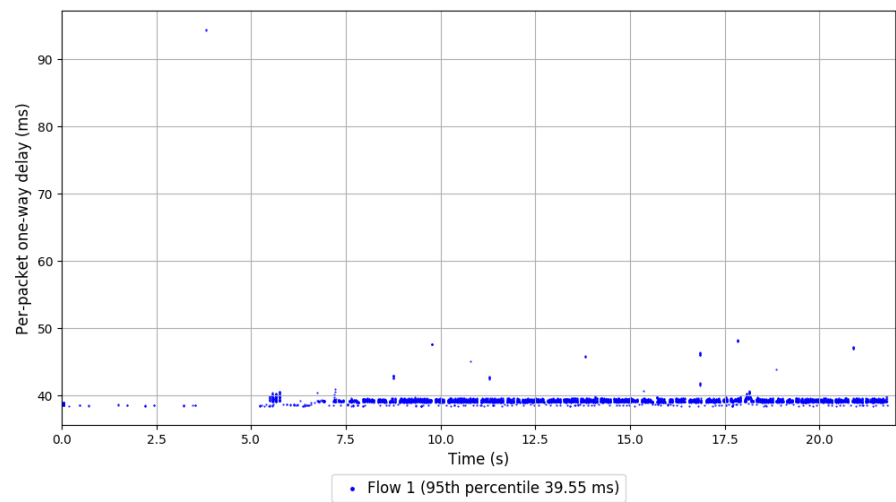
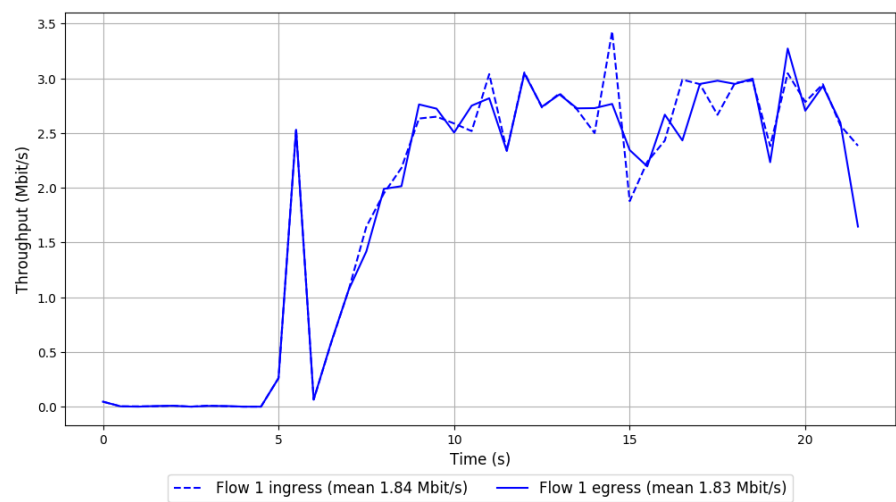
Start at: 2018-01-25 08:24:50

End at: 2018-01-25 08:25:20

Local clock offset: 0.454 ms

Remote clock offset: 0.515 ms

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-01-25 08:43:45

End at: 2018-01-25 08:44:15

Local clock offset: 0.412 ms

Remote clock offset: -0.622 ms

Below is generated by plot.py at 2018-01-25 12:20:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 44.975 ms

Loss rate: 0.62%

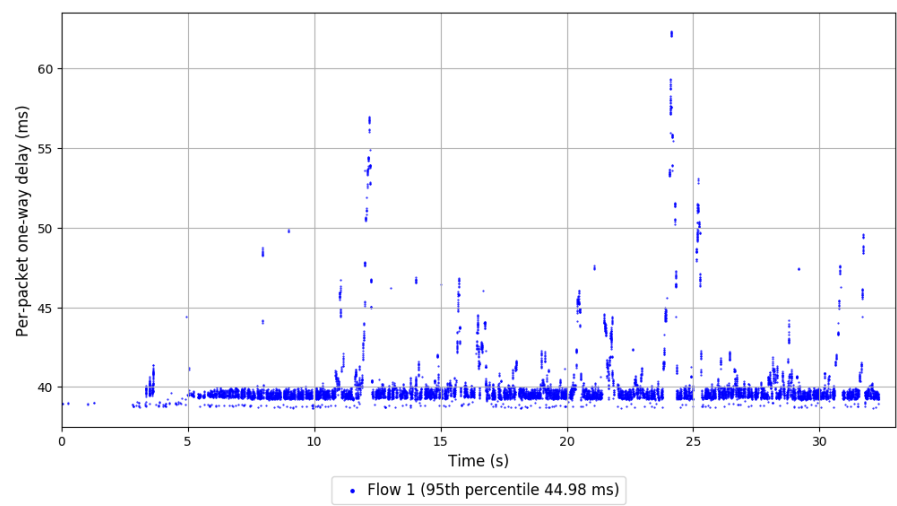
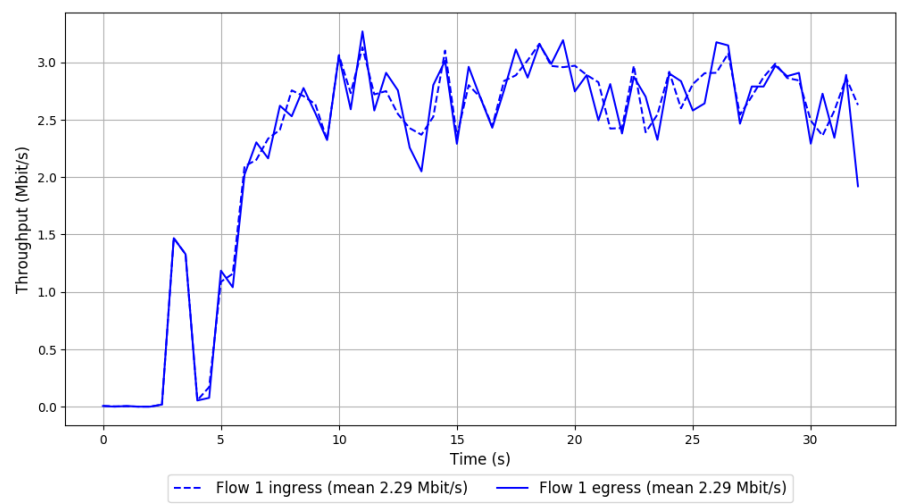
-- Flow 1:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 44.975 ms

Loss rate: 0.62%

Run 10: Report of WebRTC media — Data Link

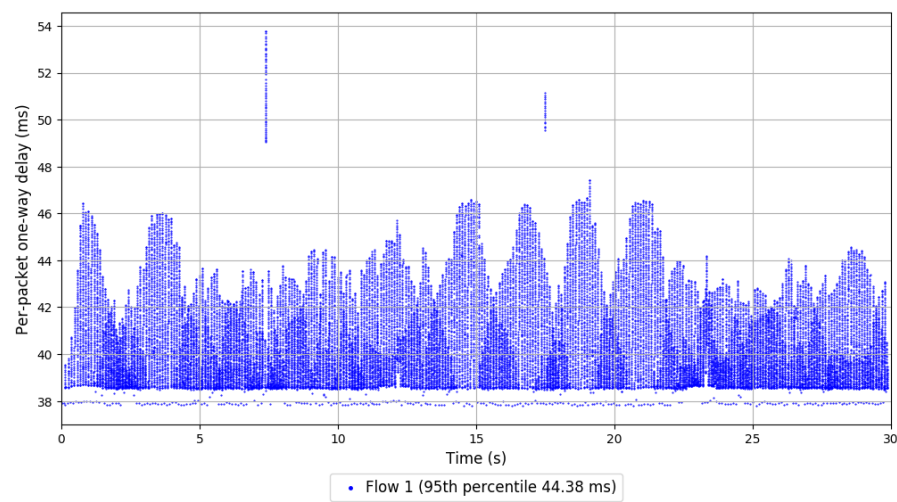
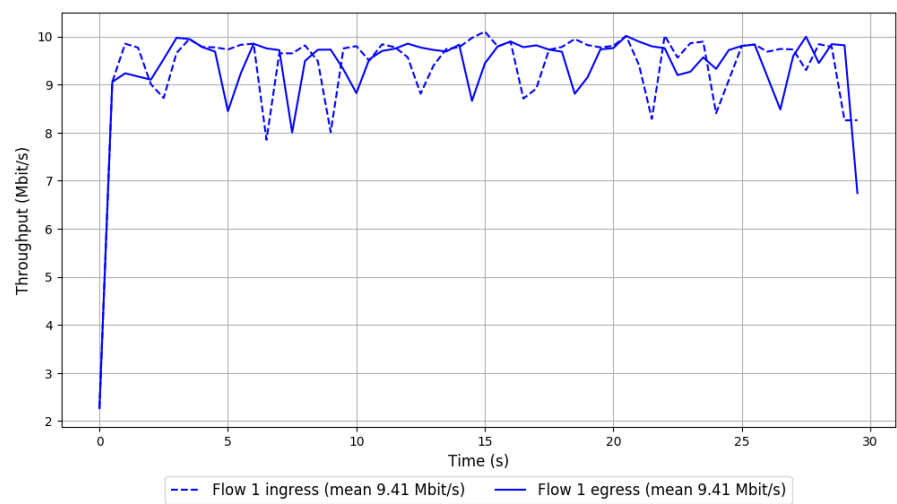


Run 1: Statistics of Sprout

Start at: 2018-01-25 06:00:04
End at: 2018-01-25 06:00:35
Local clock offset: 1.507 ms
Remote clock offset: -3.195 ms

Below is generated by plot.py at 2018-01-25 12:20:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.41 Mbit/s
95th percentile per-packet one-way delay: 44.378 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 9.41 Mbit/s
95th percentile per-packet one-way delay: 44.378 ms
Loss rate: 0.27%

Run 1: Report of Sprout — Data Link

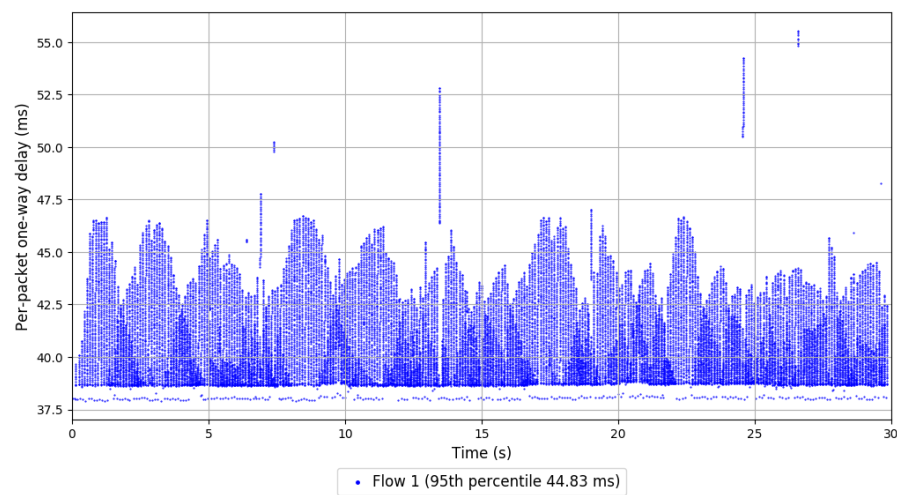
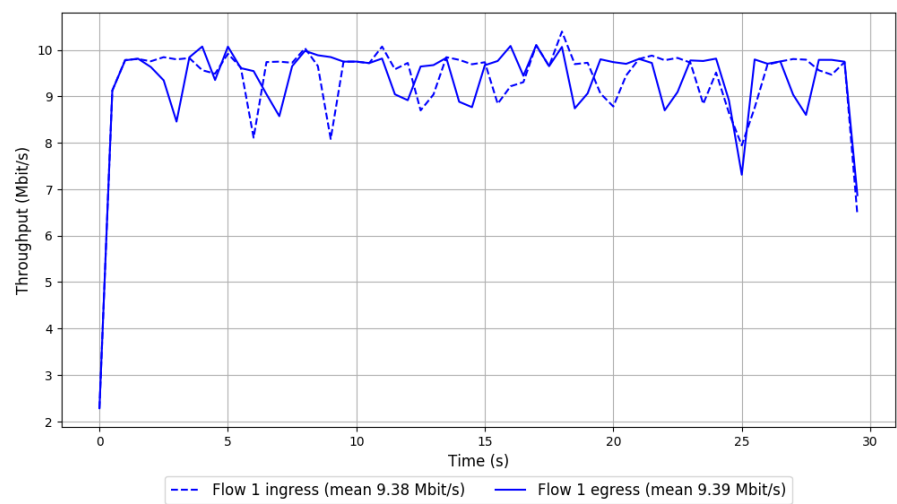


Run 2: Statistics of Sprout

Start at: 2018-01-25 06:19:24
End at: 2018-01-25 06:19:54
Local clock offset: 1.544 ms
Remote clock offset: -2.0 ms

Below is generated by plot.py at 2018-01-25 12:20:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.39 Mbit/s
95th percentile per-packet one-way delay: 44.829 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 9.39 Mbit/s
95th percentile per-packet one-way delay: 44.829 ms
Loss rate: 0.17%

Run 2: Report of Sprout — Data Link

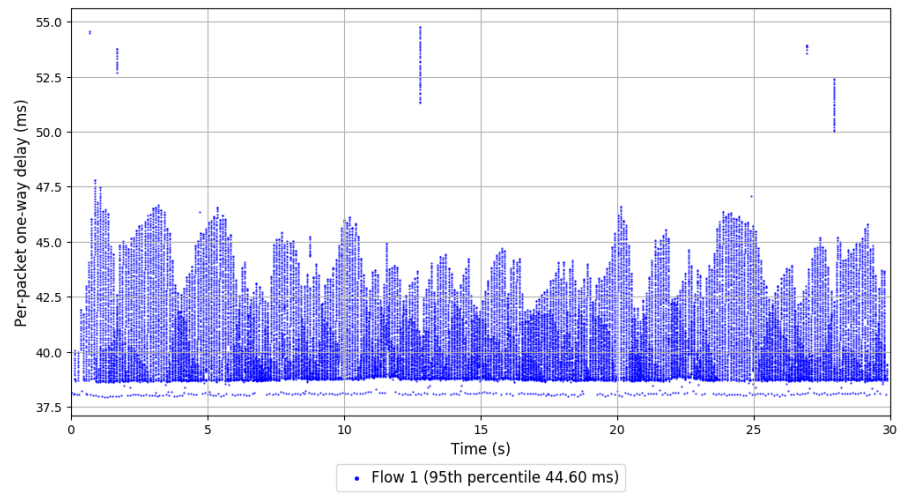
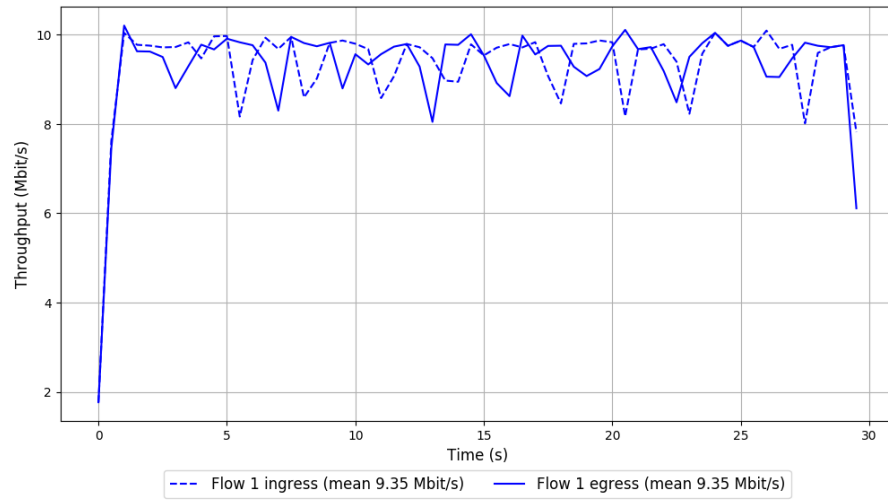


Run 3: Statistics of Sprout

Start at: 2018-01-25 06:38:33
End at: 2018-01-25 06:39:03
Local clock offset: 1.923 ms
Remote clock offset: -1.022 ms

Below is generated by plot.py at 2018-01-25 12:20:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.35 Mbit/s
95th percentile per-packet one-way delay: 44.600 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 9.35 Mbit/s
95th percentile per-packet one-way delay: 44.600 ms
Loss rate: 0.30%

Run 3: Report of Sprout — Data Link

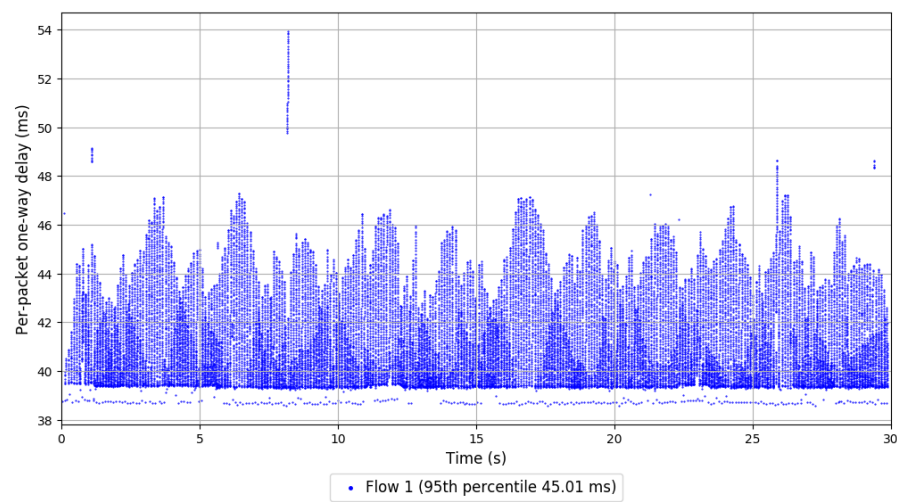
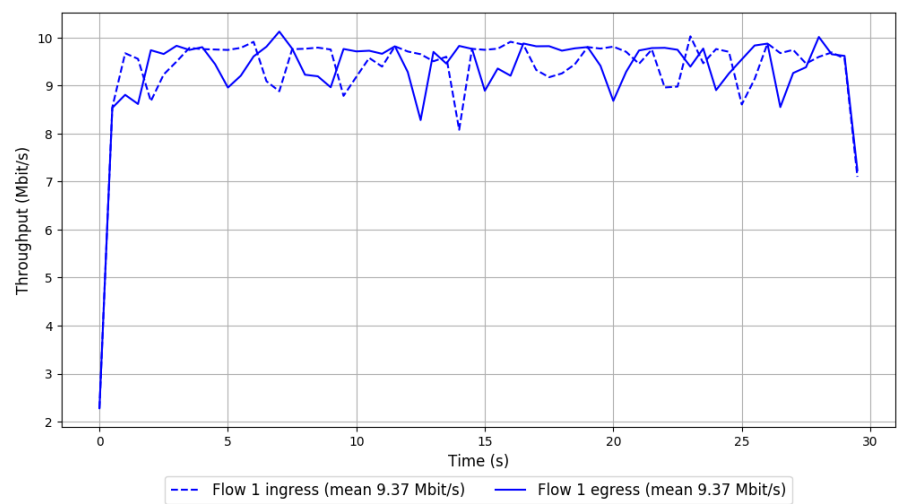


Run 4: Statistics of Sprout

Start at: 2018-01-25 06:57:44
End at: 2018-01-25 06:58:14
Local clock offset: 1.69 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-01-25 12:20:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.37 Mbit/s
95th percentile per-packet one-way delay: 45.014 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 9.37 Mbit/s
95th percentile per-packet one-way delay: 45.014 ms
Loss rate: 0.20%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-01-25 07:16:51

End at: 2018-01-25 07:17:21

Local clock offset: 1.836 ms

Remote clock offset: 0.539 ms

Below is generated by plot.py at 2018-01-25 12:20:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.30 Mbit/s

95th percentile per-packet one-way delay: 45.838 ms

Loss rate: 0.35%

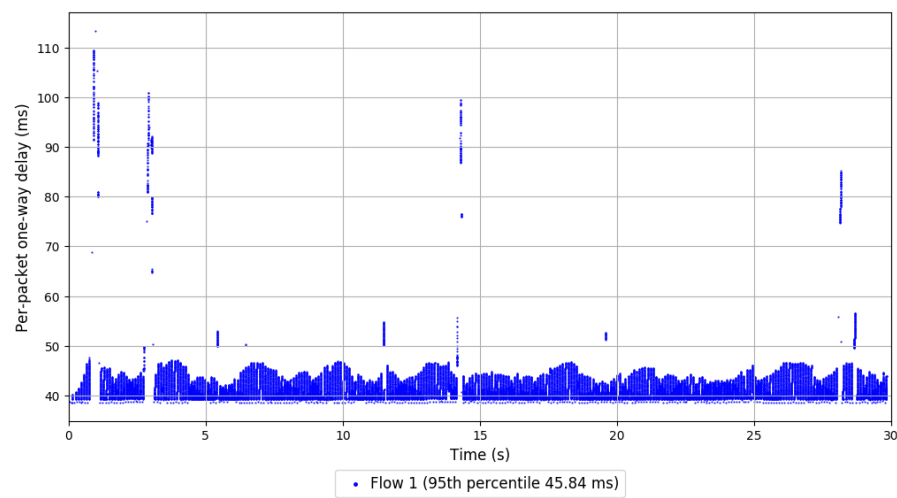
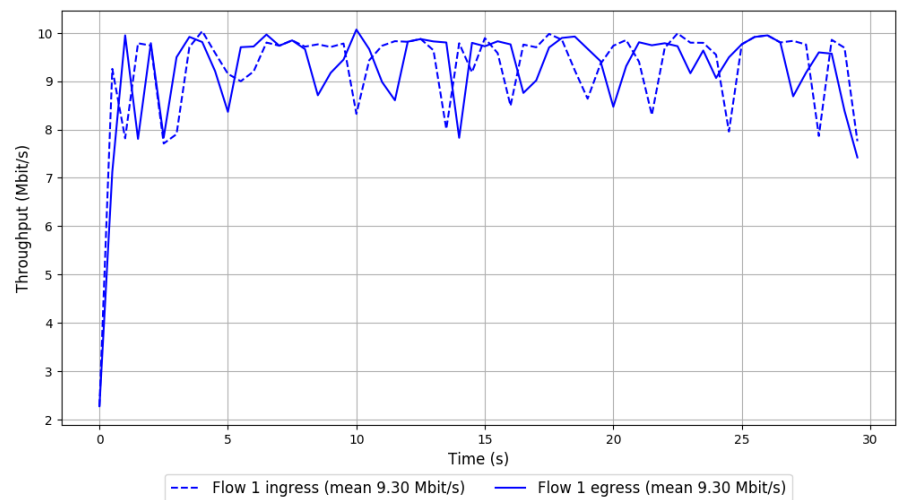
-- Flow 1:

Average throughput: 9.30 Mbit/s

95th percentile per-packet one-way delay: 45.838 ms

Loss rate: 0.35%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-01-25 07:35:52

End at: 2018-01-25 07:36:22

Local clock offset: 1.369 ms

Remote clock offset: 0.846 ms

Below is generated by plot.py at 2018-01-25 12:20:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.38 Mbit/s

95th percentile per-packet one-way delay: 45.158 ms

Loss rate: 0.32%

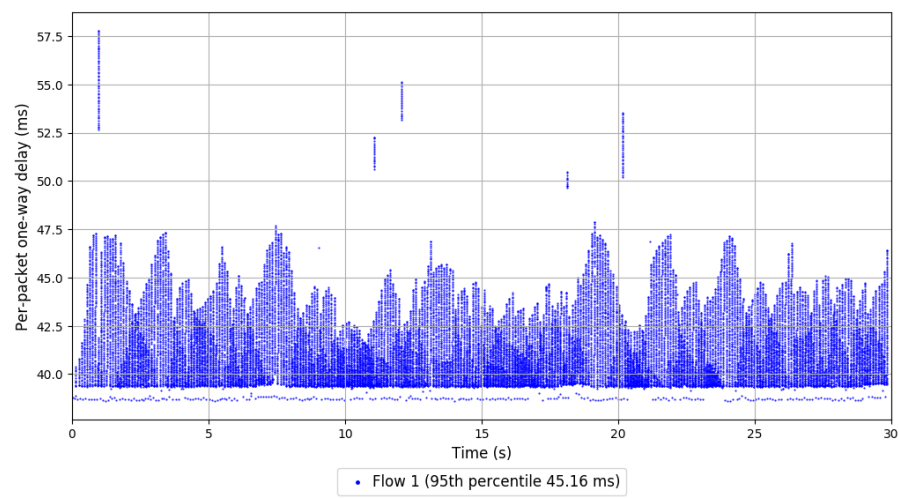
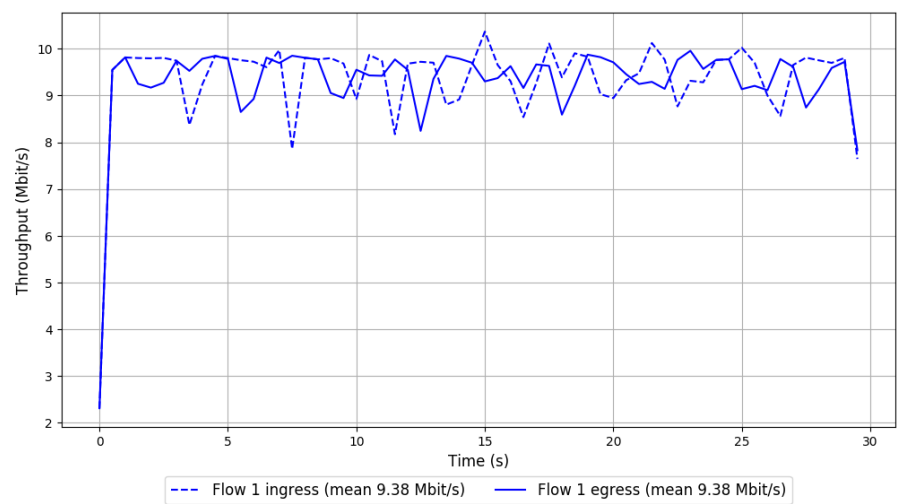
-- Flow 1:

Average throughput: 9.38 Mbit/s

95th percentile per-packet one-way delay: 45.158 ms

Loss rate: 0.32%

Run 6: Report of Sprout — Data Link

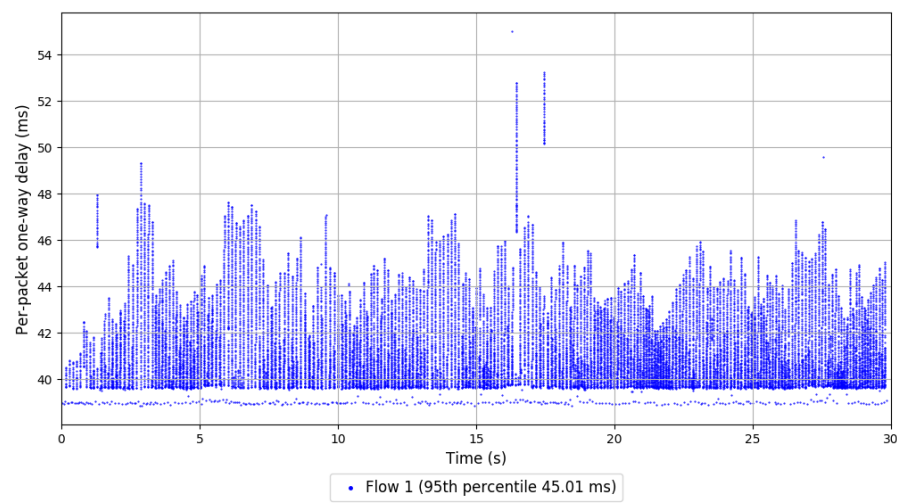
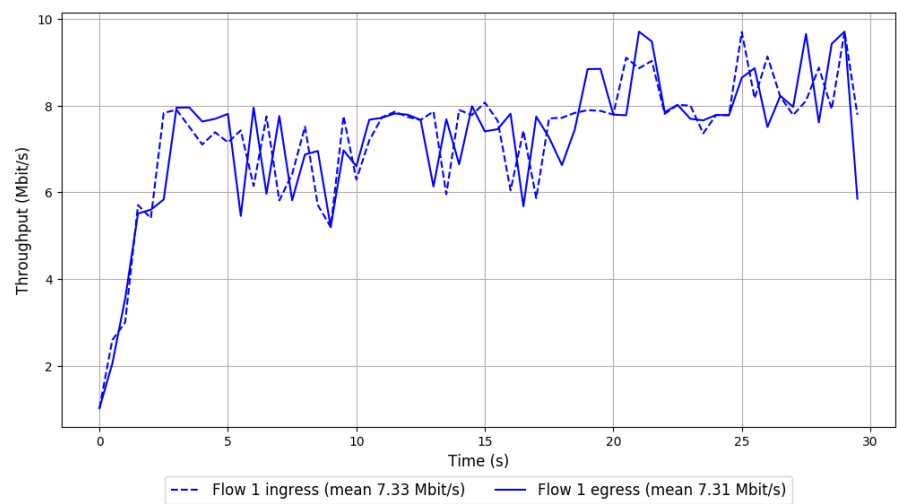


Run 7: Statistics of Sprout

Start at: 2018-01-25 07:54:51
End at: 2018-01-25 07:55:21
Local clock offset: 1.331 ms
Remote clock offset: 0.697 ms

Below is generated by plot.py at 2018-01-25 12:20:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.31 Mbit/s
95th percentile per-packet one-way delay: 45.014 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 7.31 Mbit/s
95th percentile per-packet one-way delay: 45.014 ms
Loss rate: 0.44%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-01-25 08:14:02

End at: 2018-01-25 08:14:32

Local clock offset: 0.673 ms

Remote clock offset: 0.839 ms

Below is generated by plot.py at 2018-01-25 12:20:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.12 Mbit/s

95th percentile per-packet one-way delay: 44.692 ms

Loss rate: 0.52%

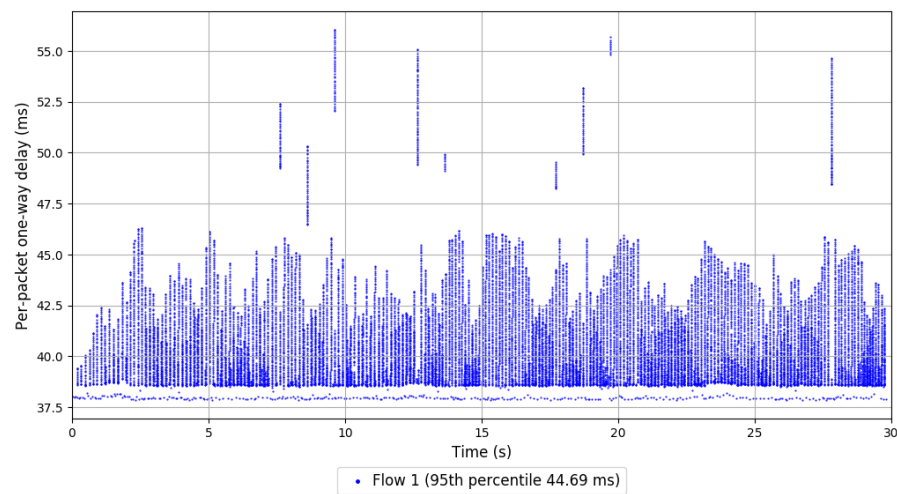
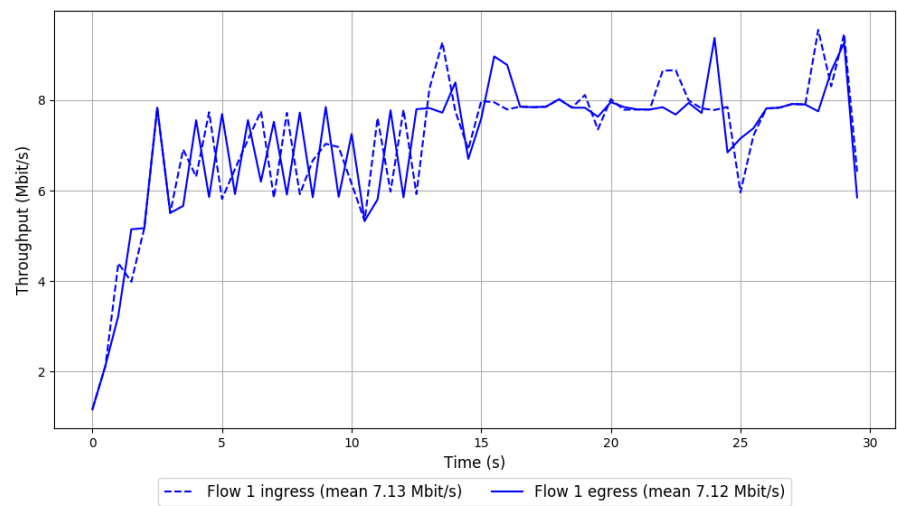
-- Flow 1:

Average throughput: 7.12 Mbit/s

95th percentile per-packet one-way delay: 44.692 ms

Loss rate: 0.52%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-01-25 08:33:04

End at: 2018-01-25 08:33:34

Local clock offset: 0.428 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-01-25 12:20:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.06 Mbit/s

95th percentile per-packet one-way delay: 75.760 ms

Loss rate: 0.51%

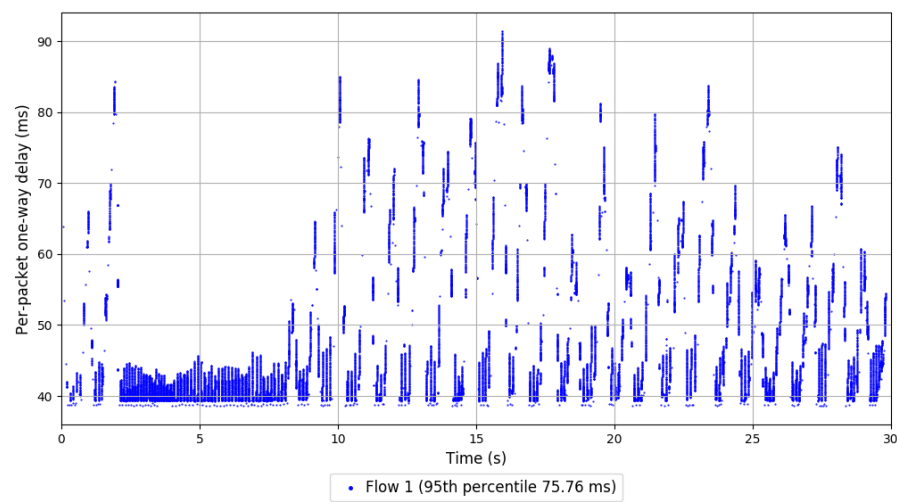
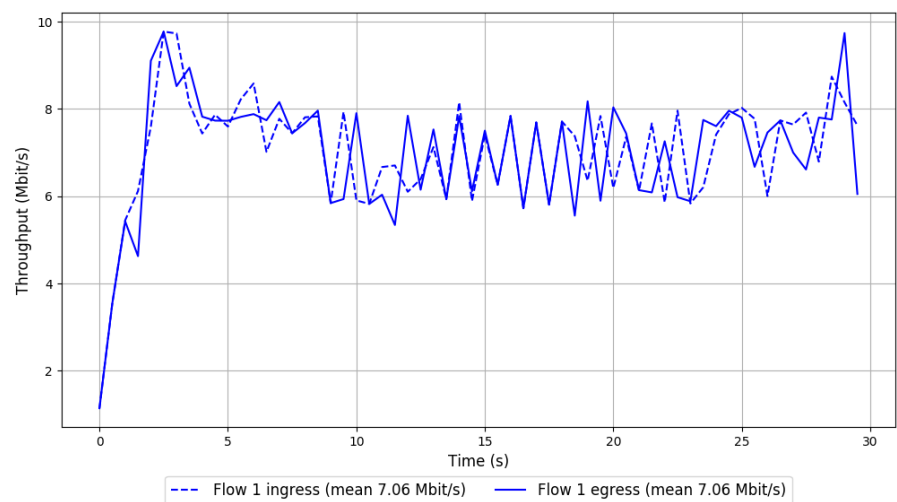
-- Flow 1:

Average throughput: 7.06 Mbit/s

95th percentile per-packet one-way delay: 75.760 ms

Loss rate: 0.51%

Run 9: Report of Sprout — Data Link

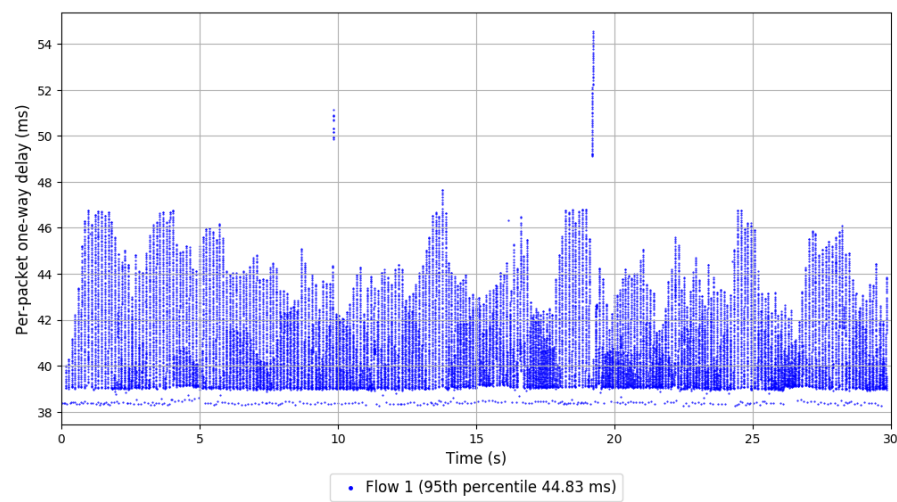
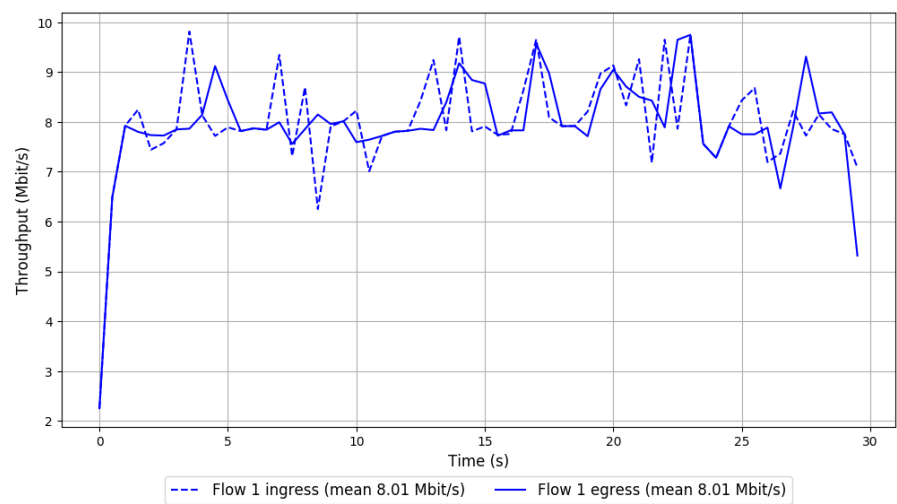


Run 10: Statistics of Sprout

Start at: 2018-01-25 08:52:27
End at: 2018-01-25 08:52:57
Local clock offset: 0.196 ms
Remote clock offset: -0.995 ms

Below is generated by plot.py at 2018-01-25 12:20:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 8.01 Mbit/s
95th percentile per-packet one-way delay: 44.828 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 8.01 Mbit/s
95th percentile per-packet one-way delay: 44.828 ms
Loss rate: 0.37%

Run 10: Report of Sprout — Data Link

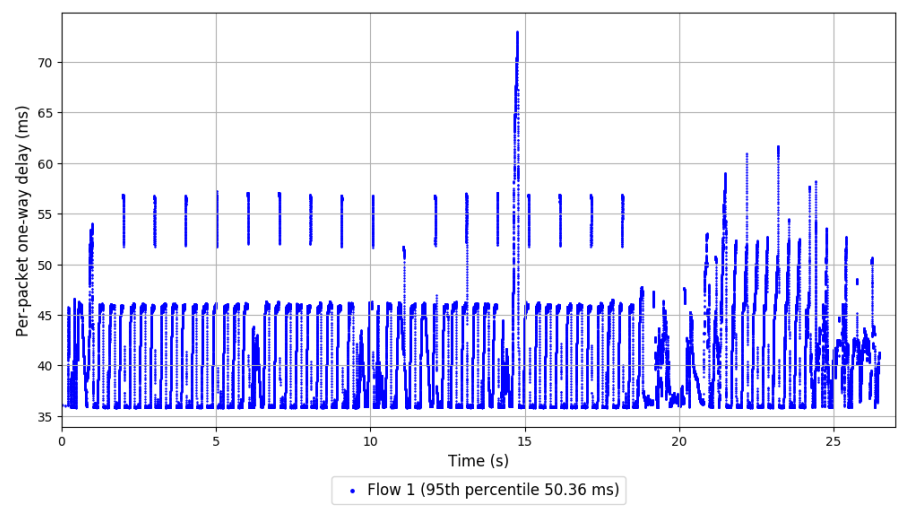
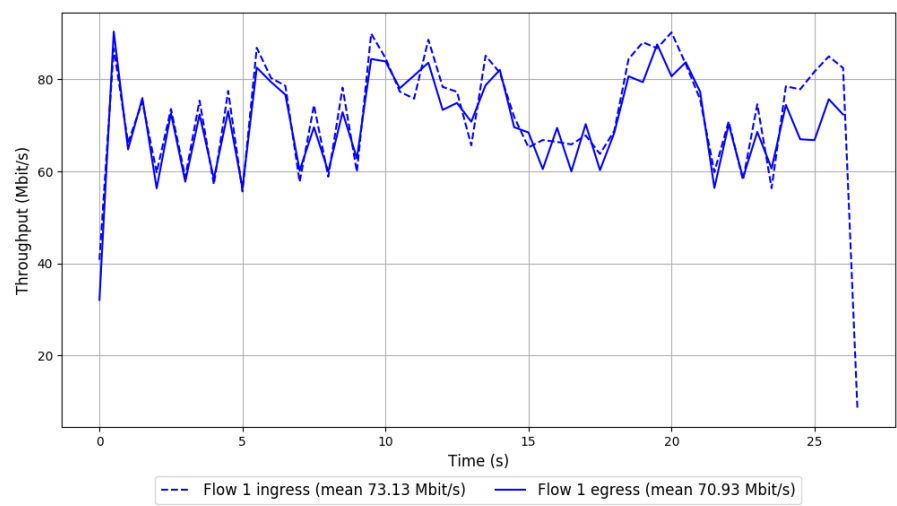


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-01-25 05:56:20
End at: 2018-01-25 05:56:50
Local clock offset: -1.072 ms
Remote clock offset: -3.37 ms

# Below is generated by plot.py at 2018-01-25 12:22:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.93 Mbit/s
95th percentile per-packet one-way delay: 50.359 ms
Loss rate: 3.41%
-- Flow 1:
Average throughput: 70.93 Mbit/s
95th percentile per-packet one-way delay: 50.359 ms
Loss rate: 3.41%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2018-01-25 06:15:48

End at: 2018-01-25 06:16:18

Local clock offset: 1.984 ms

Remote clock offset: -2.44 ms

Below is generated by plot.py at 2018-01-25 12:22:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.90 Mbit/s

95th percentile per-packet one-way delay: 57.574 ms

Loss rate: 0.43%

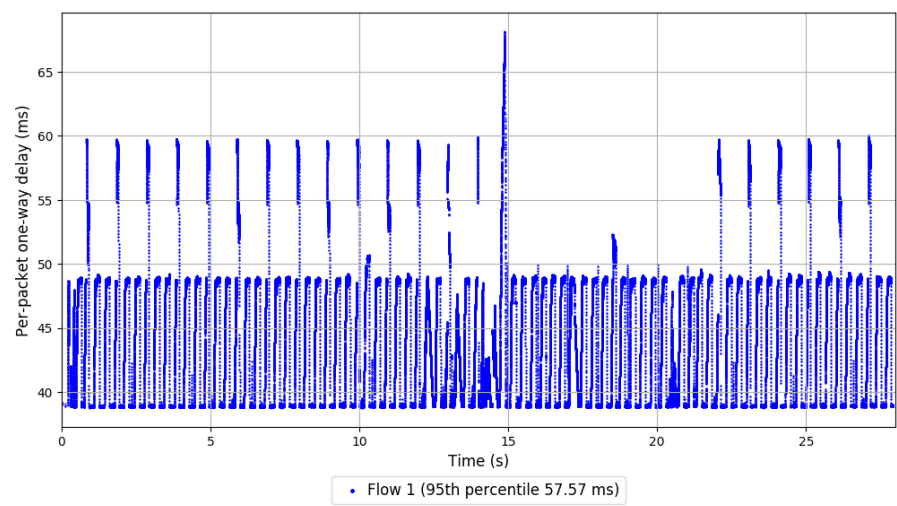
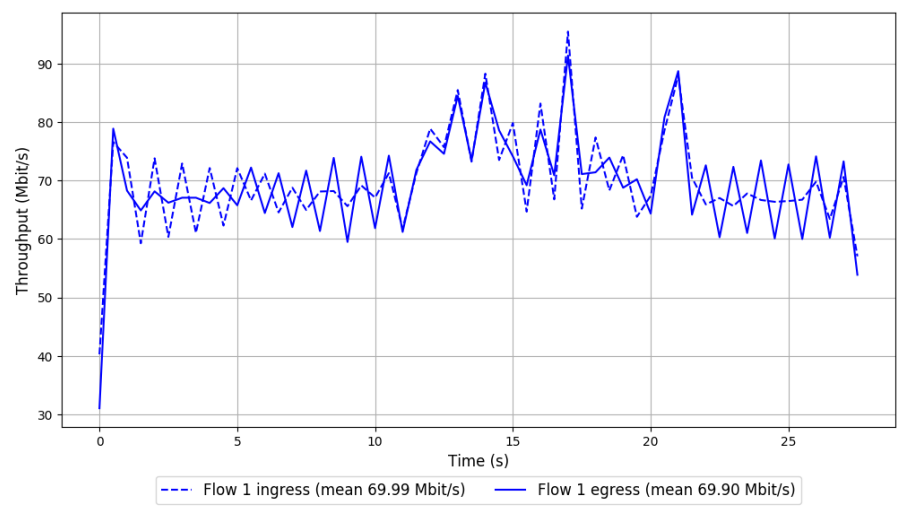
-- Flow 1:

Average throughput: 69.90 Mbit/s

95th percentile per-packet one-way delay: 57.574 ms

Loss rate: 0.43%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-01-25 06:34:58

End at: 2018-01-25 06:35:28

Local clock offset: 2.141 ms

Remote clock offset: -1.366 ms

Below is generated by plot.py at 2018-01-25 12:22:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.58 Mbit/s

95th percentile per-packet one-way delay: 50.697 ms

Loss rate: 1.26%

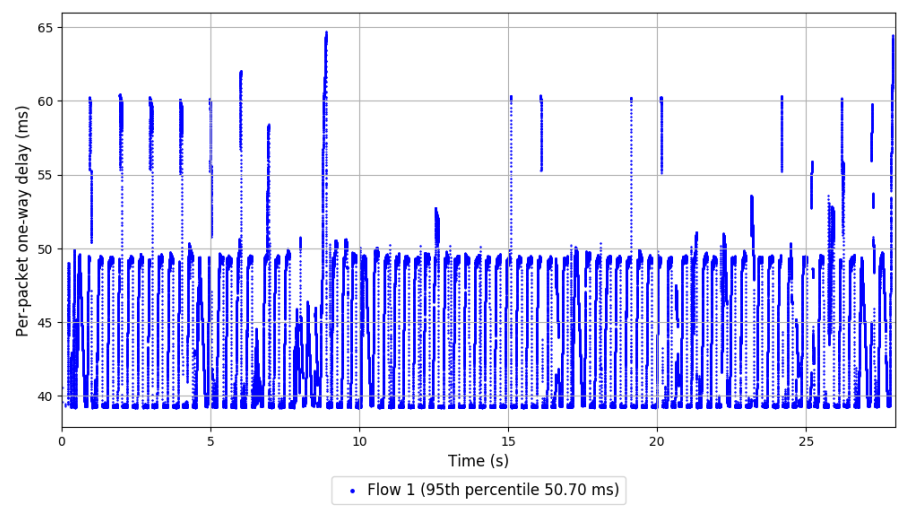
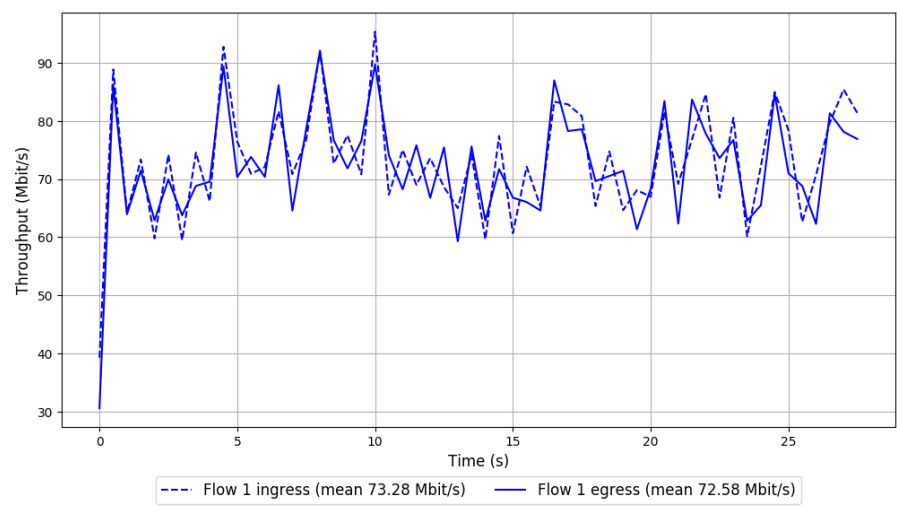
-- Flow 1:

Average throughput: 72.58 Mbit/s

95th percentile per-packet one-way delay: 50.697 ms

Loss rate: 1.26%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-01-25 06:54:09

End at: 2018-01-25 06:54:39

Local clock offset: 1.686 ms

Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-01-25 12:22:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.89 Mbit/s

95th percentile per-packet one-way delay: 53.568 ms

Loss rate: 1.61%

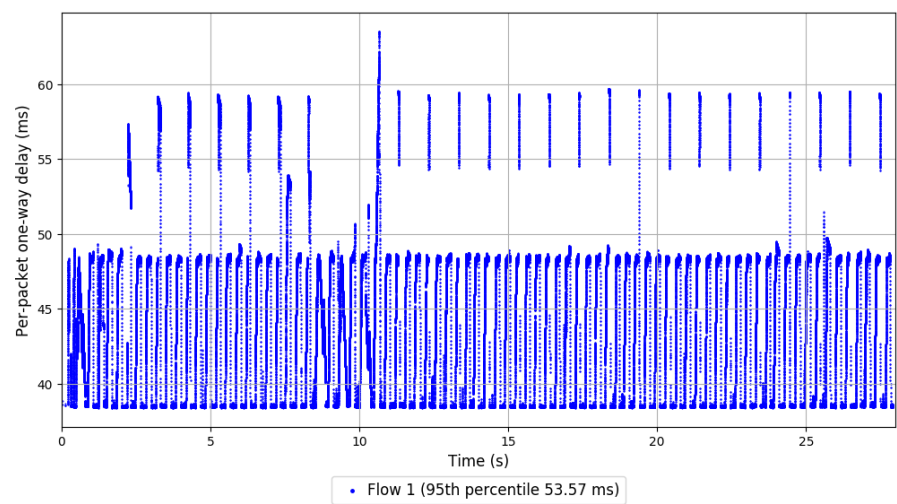
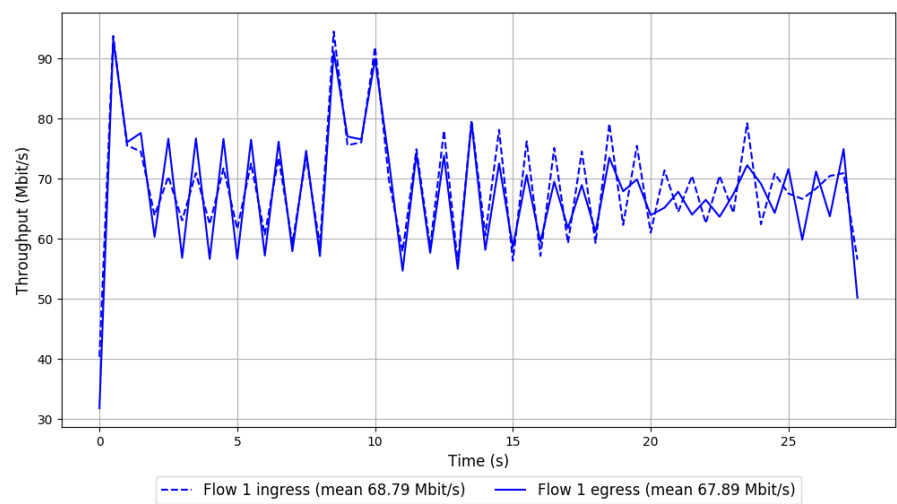
-- Flow 1:

Average throughput: 67.89 Mbit/s

95th percentile per-packet one-way delay: 53.568 ms

Loss rate: 1.61%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-01-25 07:13:17

End at: 2018-01-25 07:13:47

Local clock offset: 1.629 ms

Remote clock offset: 0.427 ms

Below is generated by plot.py at 2018-01-25 12:22:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.84 Mbit/s

95th percentile per-packet one-way delay: 93.601 ms

Loss rate: 0.92%

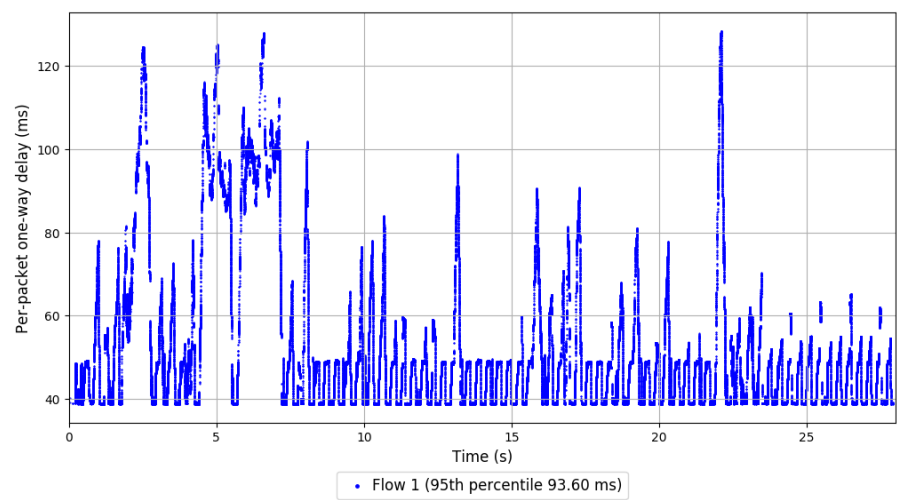
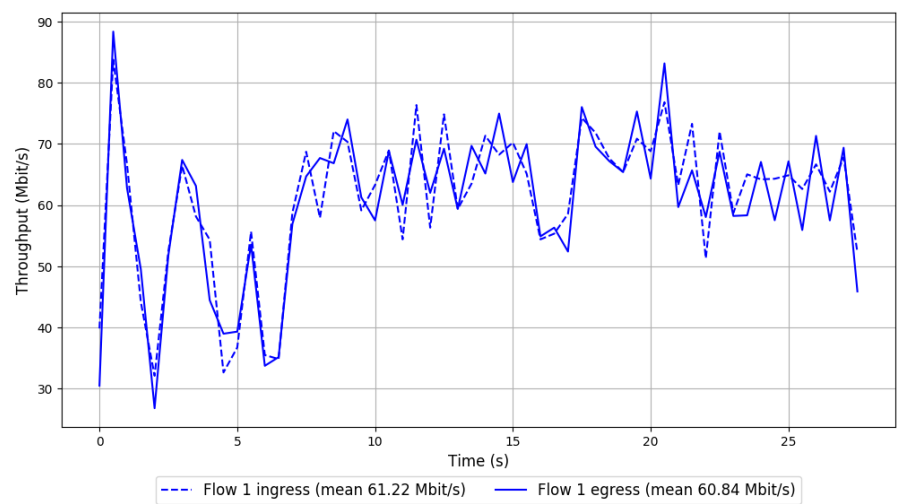
-- Flow 1:

Average throughput: 60.84 Mbit/s

95th percentile per-packet one-way delay: 93.601 ms

Loss rate: 0.92%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-01-25 07:32:18

End at: 2018-01-25 07:32:48

Local clock offset: 1.364 ms

Remote clock offset: 0.897 ms

Below is generated by plot.py at 2018-01-25 12:22:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.42 Mbit/s

95th percentile per-packet one-way delay: 78.234 ms

Loss rate: 1.10%

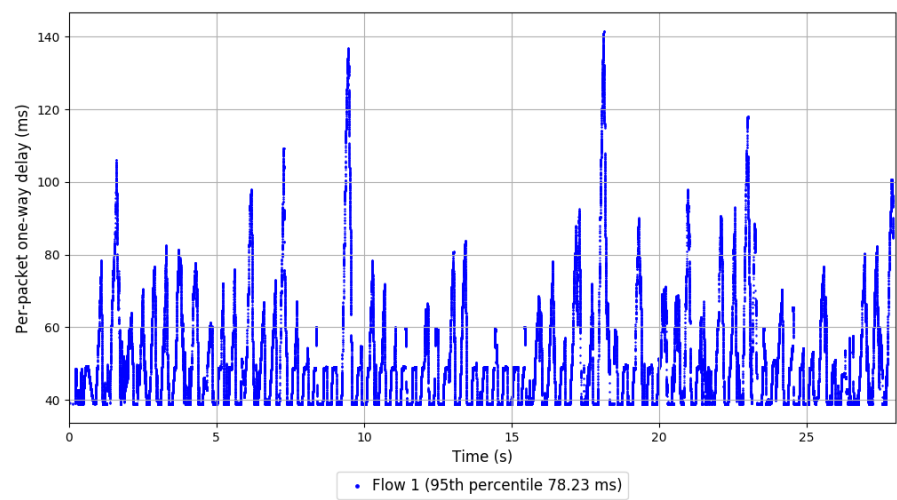
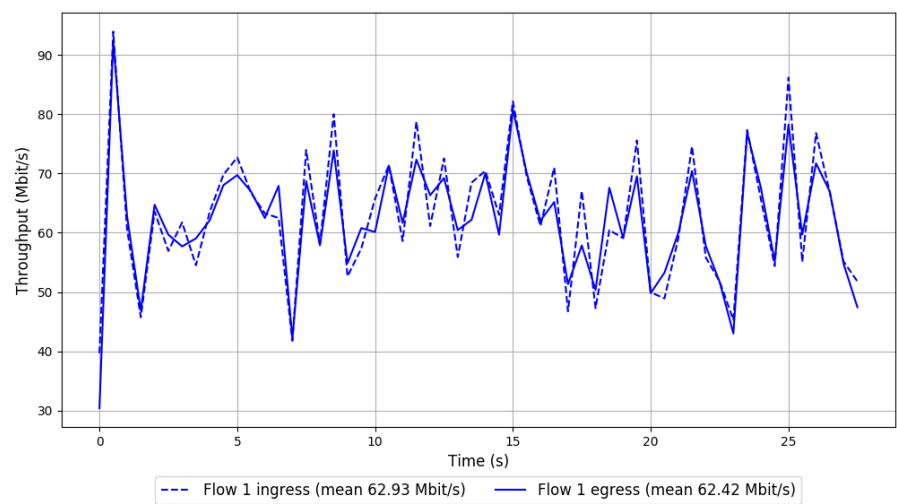
-- Flow 1:

Average throughput: 62.42 Mbit/s

95th percentile per-packet one-way delay: 78.234 ms

Loss rate: 1.10%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-01-25 07:51:16

End at: 2018-01-25 07:51:46

Local clock offset: 1.345 ms

Remote clock offset: 0.728 ms

Below is generated by plot.py at 2018-01-25 12:22:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.54 Mbit/s

95th percentile per-packet one-way delay: 78.318 ms

Loss rate: 0.73%

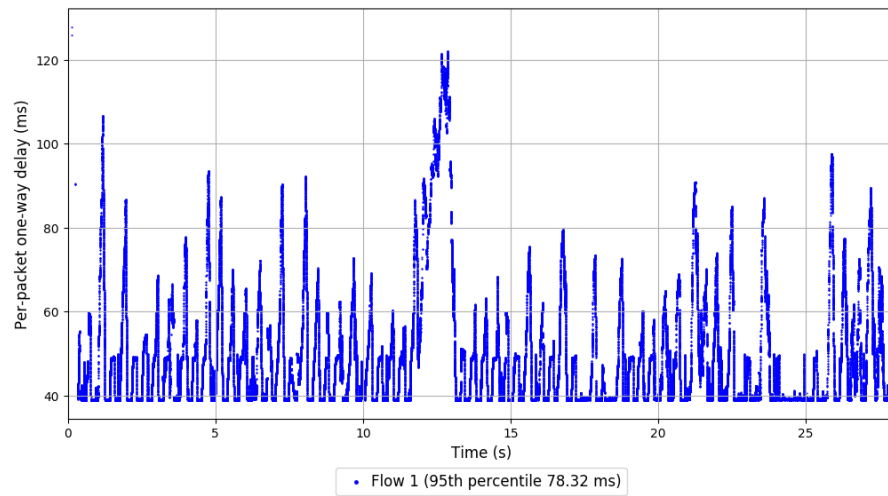
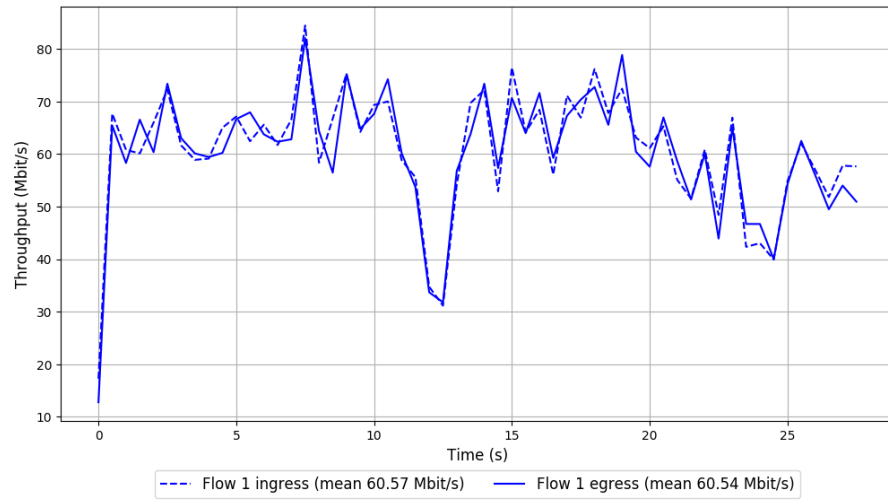
-- Flow 1:

Average throughput: 60.54 Mbit/s

95th percentile per-packet one-way delay: 78.318 ms

Loss rate: 0.73%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-01-25 08:10:26

End at: 2018-01-25 08:10:56

Local clock offset: 0.943 ms

Remote clock offset: 0.831 ms

Below is generated by plot.py at 2018-01-25 12:22:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.67 Mbit/s

95th percentile per-packet one-way delay: 77.485 ms

Loss rate: 0.61%

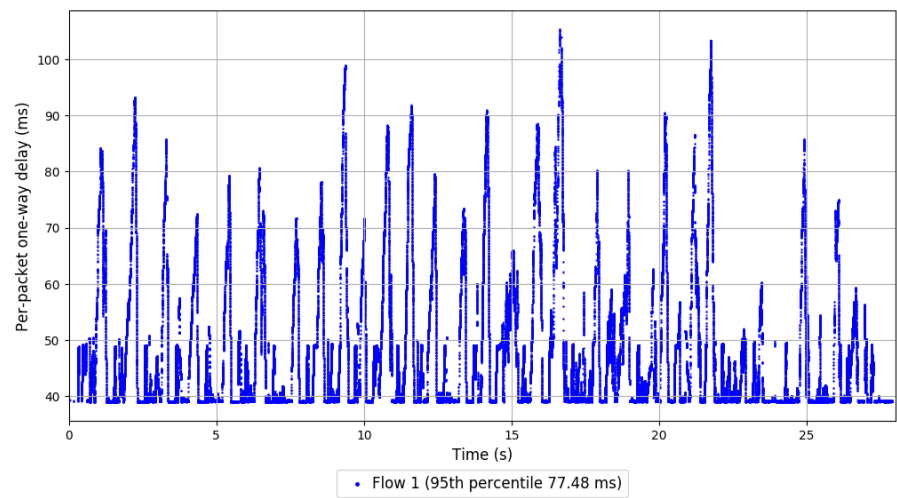
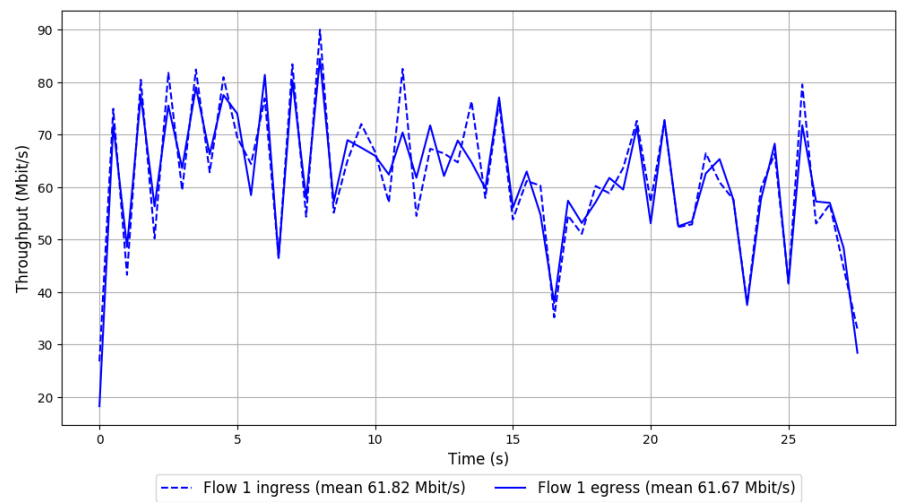
-- Flow 1:

Average throughput: 61.67 Mbit/s

95th percentile per-packet one-way delay: 77.485 ms

Loss rate: 0.61%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-01-25 08:29:31

End at: 2018-01-25 08:30:01

Local clock offset: 0.072 ms

Remote clock offset: 0.249 ms

Below is generated by plot.py at 2018-01-25 12:23:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.75 Mbit/s

95th percentile per-packet one-way delay: 69.906 ms

Loss rate: 0.49%

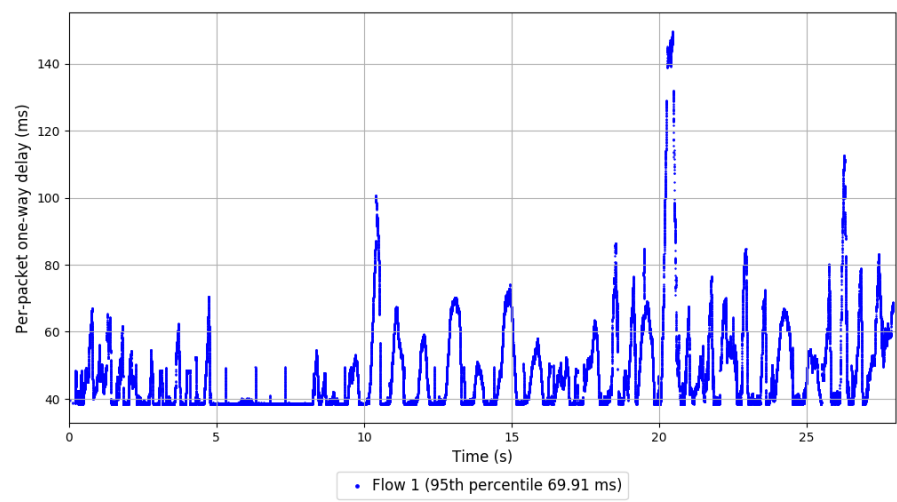
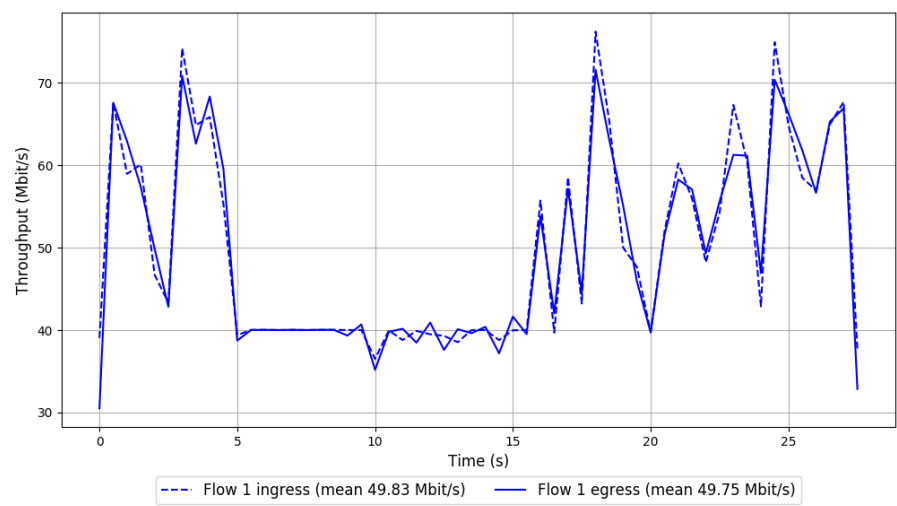
-- Flow 1:

Average throughput: 49.75 Mbit/s

95th percentile per-packet one-way delay: 69.906 ms

Loss rate: 0.49%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-01-25 08:48:47

End at: 2018-01-25 08:49:17

Local clock offset: 0.002 ms

Remote clock offset: -0.881 ms

Below is generated by plot.py at 2018-01-25 12:23:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.92 Mbit/s

95th percentile per-packet one-way delay: 74.745 ms

Loss rate: 0.81%

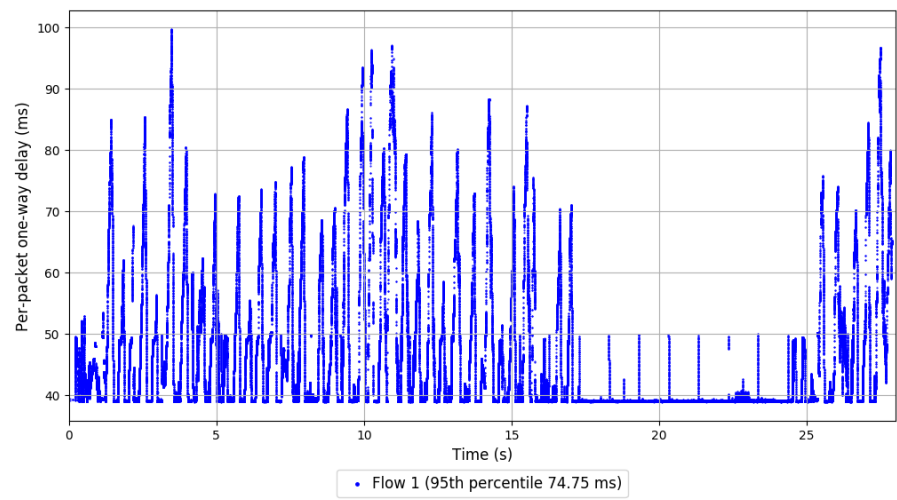
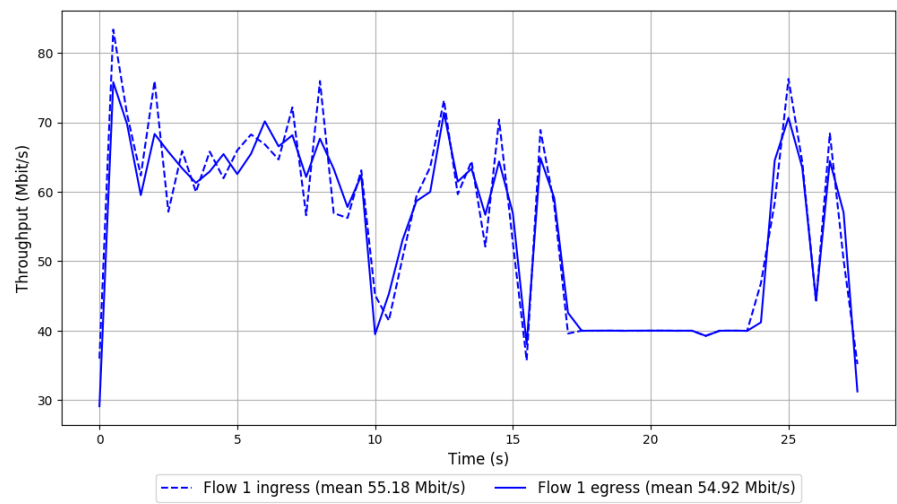
-- Flow 1:

Average throughput: 54.92 Mbit/s

95th percentile per-packet one-way delay: 74.745 ms

Loss rate: 0.81%

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

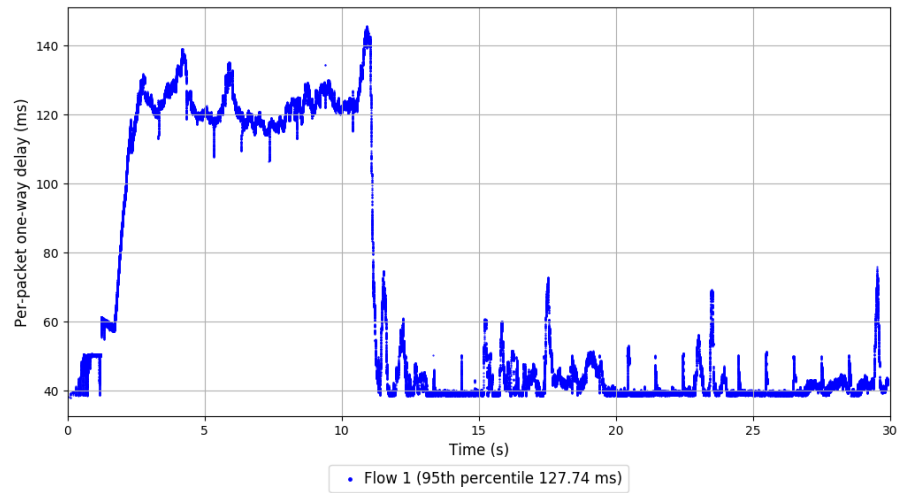
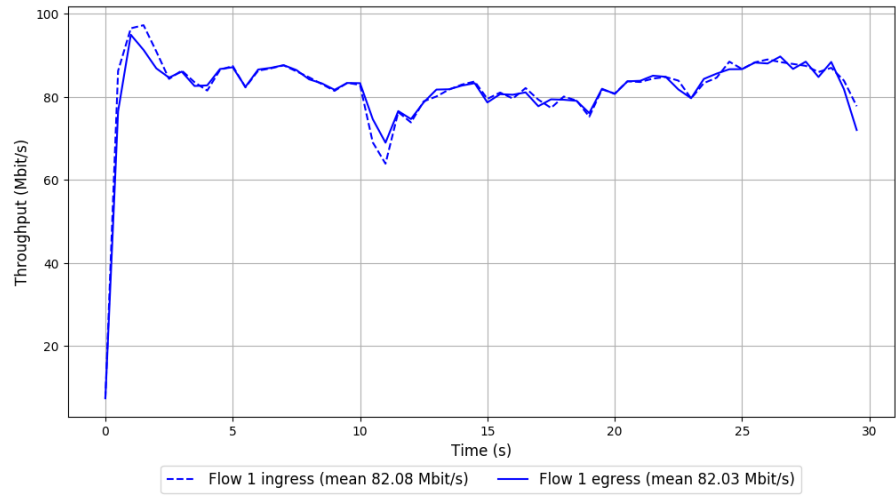


Run 1: Statistics of TCP Vegas

Start at: 2018-01-25 05:53:13
End at: 2018-01-25 05:53:43
Local clock offset: 1.553 ms
Remote clock offset: -3.458 ms

Below is generated by plot.py at 2018-01-25 12:23:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.03 Mbit/s
95th percentile per-packet one-way delay: 127.737 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 82.03 Mbit/s
95th percentile per-packet one-way delay: 127.737 ms
Loss rate: 0.34%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-01-25 06:13:25

End at: 2018-01-25 06:13:55

Local clock offset: 1.523 ms

Remote clock offset: -2.62 ms

Below is generated by plot.py at 2018-01-25 12:23:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.09 Mbit/s

95th percentile per-packet one-way delay: 53.971 ms

Loss rate: 0.29%

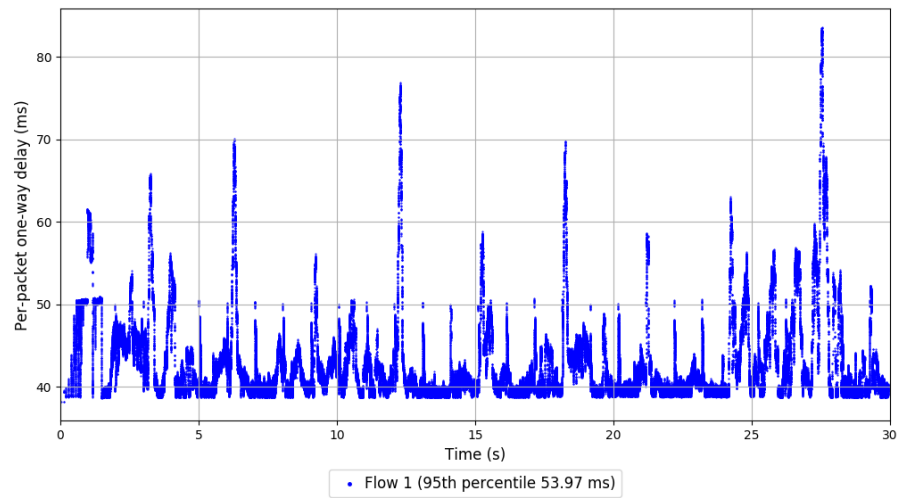
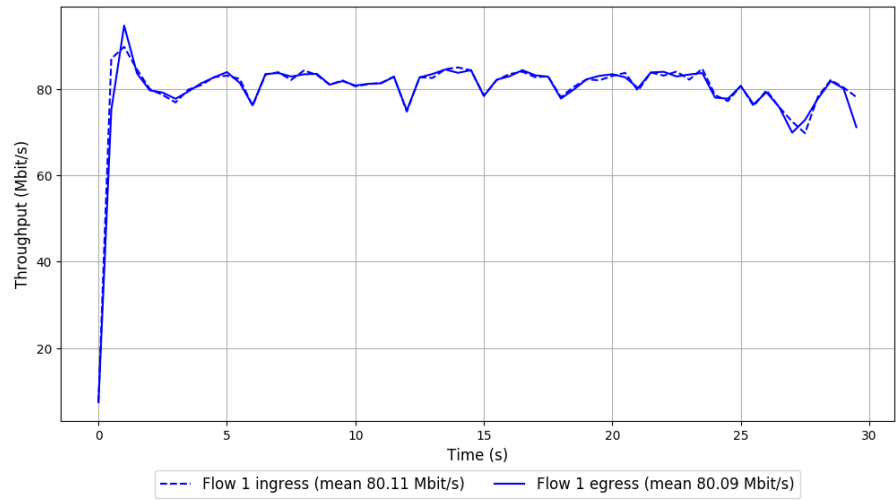
-- Flow 1:

Average throughput: 80.09 Mbit/s

95th percentile per-packet one-way delay: 53.971 ms

Loss rate: 0.29%

Run 2: Report of TCP Vegas — Data Link

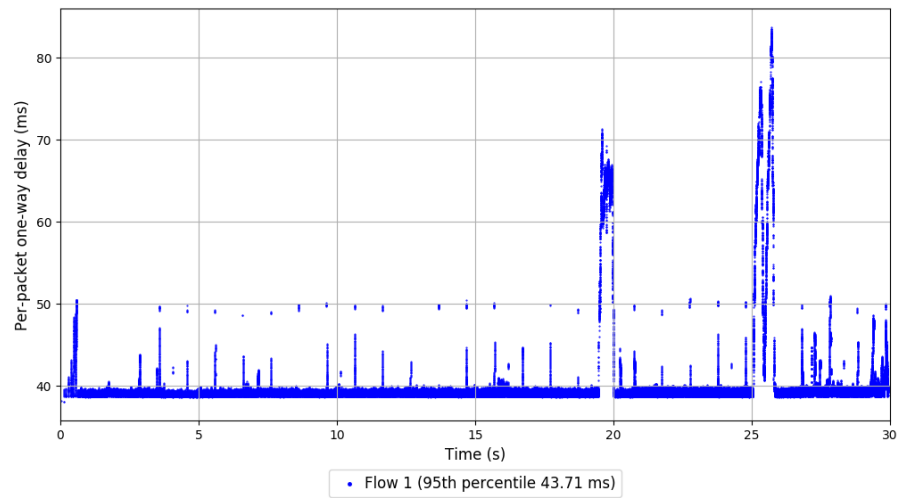
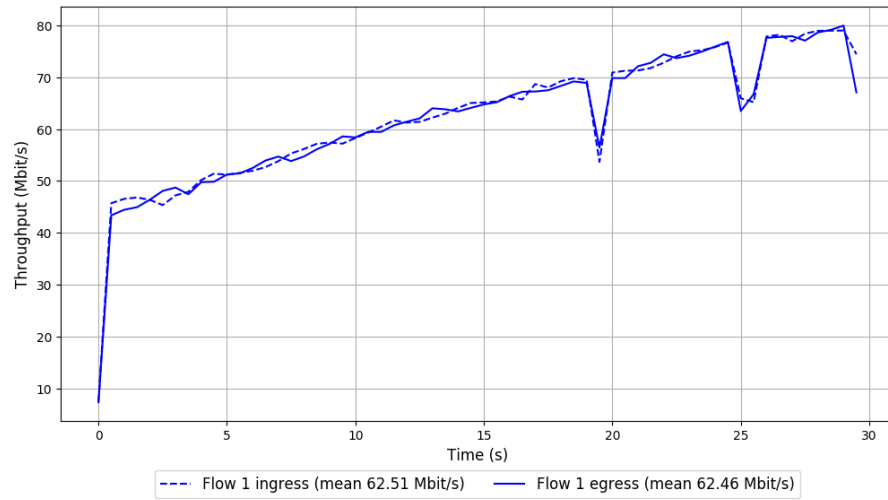


Run 3: Statistics of TCP Vegas

Start at: 2018-01-25 06:32:35
End at: 2018-01-25 06:33:05
Local clock offset: 1.915 ms
Remote clock offset: -1.468 ms

Below is generated by plot.py at 2018-01-25 12:23:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.46 Mbit/s
95th percentile per-packet one-way delay: 43.710 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 62.46 Mbit/s
95th percentile per-packet one-way delay: 43.710 ms
Loss rate: 0.37%

Run 3: Report of TCP Vegas — Data Link

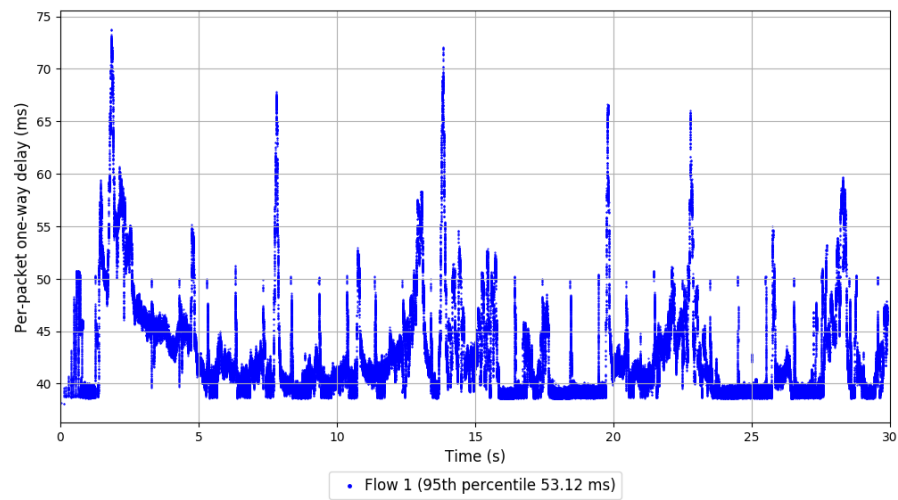
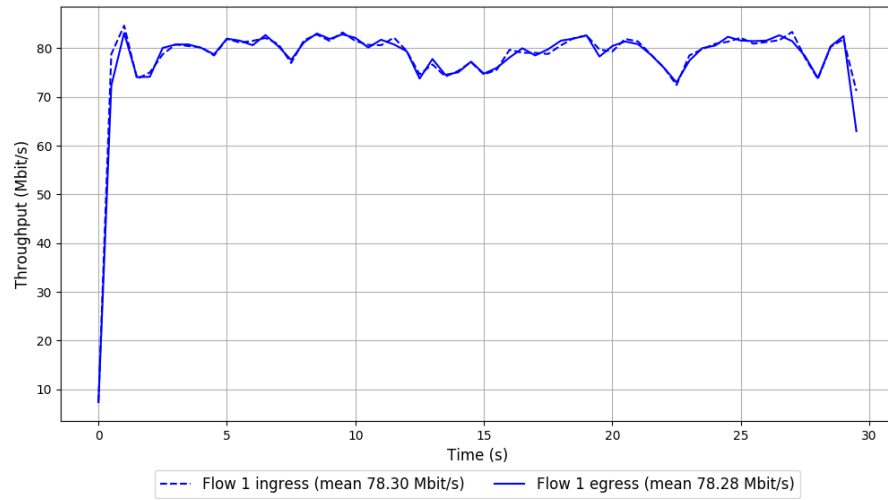


Run 4: Statistics of TCP Vegas

Start at: 2018-01-25 06:51:45
End at: 2018-01-25 06:52:15
Local clock offset: 1.885 ms
Remote clock offset: -0.145 ms

Below is generated by plot.py at 2018-01-25 12:23:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.28 Mbit/s
95th percentile per-packet one-way delay: 53.122 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 78.28 Mbit/s
95th percentile per-packet one-way delay: 53.122 ms
Loss rate: 0.30%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-01-25 07:10:55

End at: 2018-01-25 07:11:25

Local clock offset: 1.558 ms

Remote clock offset: 0.324 ms

Below is generated by plot.py at 2018-01-25 12:23:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.15 Mbit/s

95th percentile per-packet one-way delay: 82.855 ms

Loss rate: 0.32%

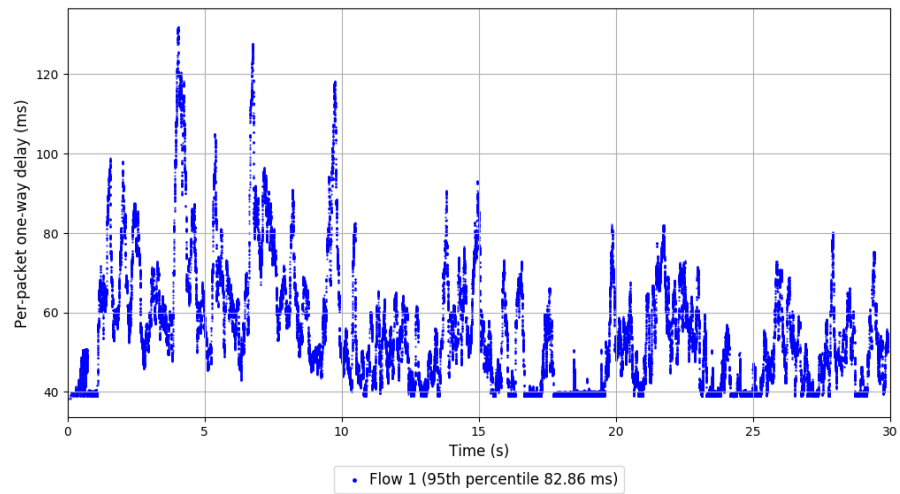
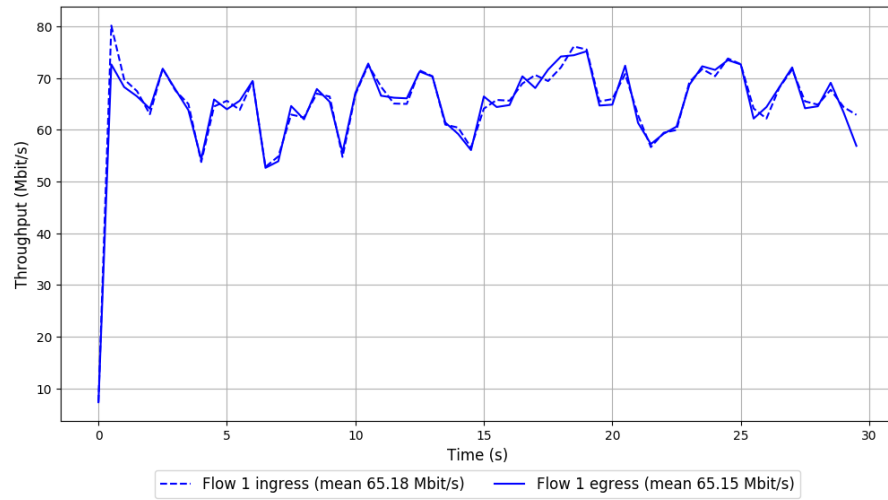
-- Flow 1:

Average throughput: 65.15 Mbit/s

95th percentile per-packet one-way delay: 82.855 ms

Loss rate: 0.32%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-01-25 07:29:56

End at: 2018-01-25 07:30:26

Local clock offset: 0.855 ms

Remote clock offset: 0.889 ms

Below is generated by plot.py at 2018-01-25 12:23:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.02 Mbit/s

95th percentile per-packet one-way delay: 92.029 ms

Loss rate: 0.24%

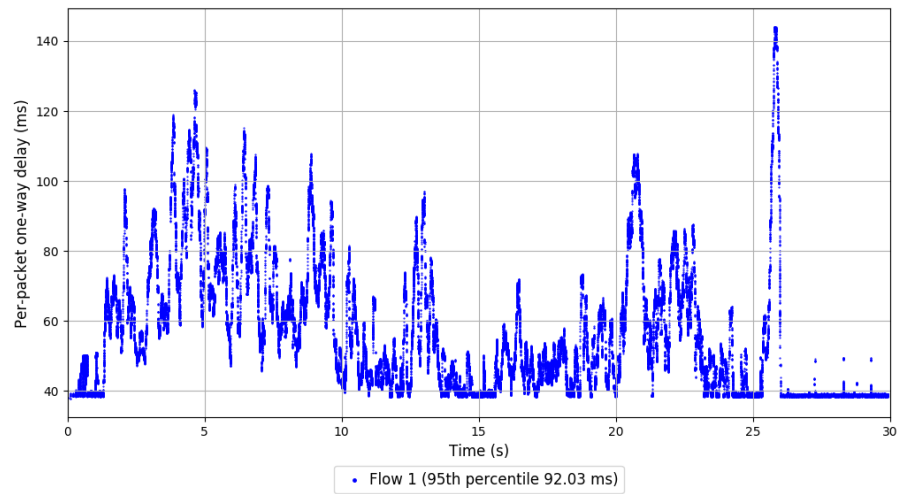
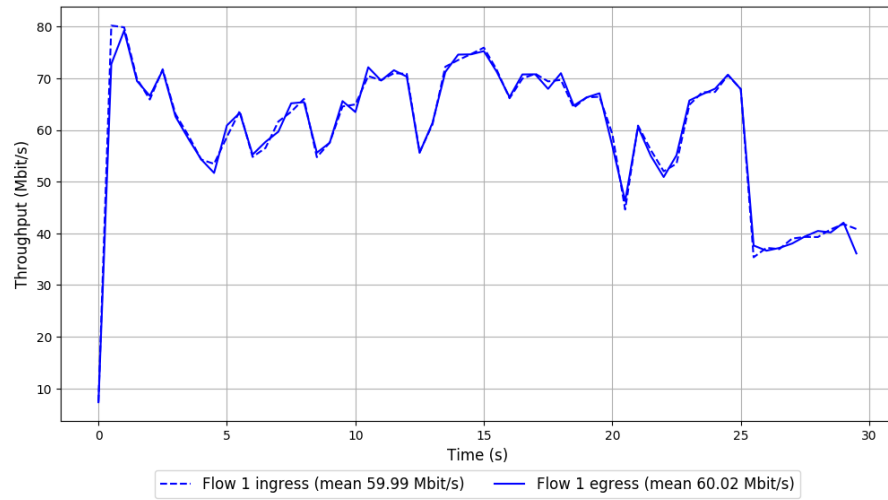
-- Flow 1:

Average throughput: 60.02 Mbit/s

95th percentile per-packet one-way delay: 92.029 ms

Loss rate: 0.24%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-01-25 07:48:54

End at: 2018-01-25 07:49:24

Local clock offset: 0.988 ms

Remote clock offset: 0.782 ms

Below is generated by plot.py at 2018-01-25 12:23:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.39 Mbit/s

95th percentile per-packet one-way delay: 65.768 ms

Loss rate: 0.34%

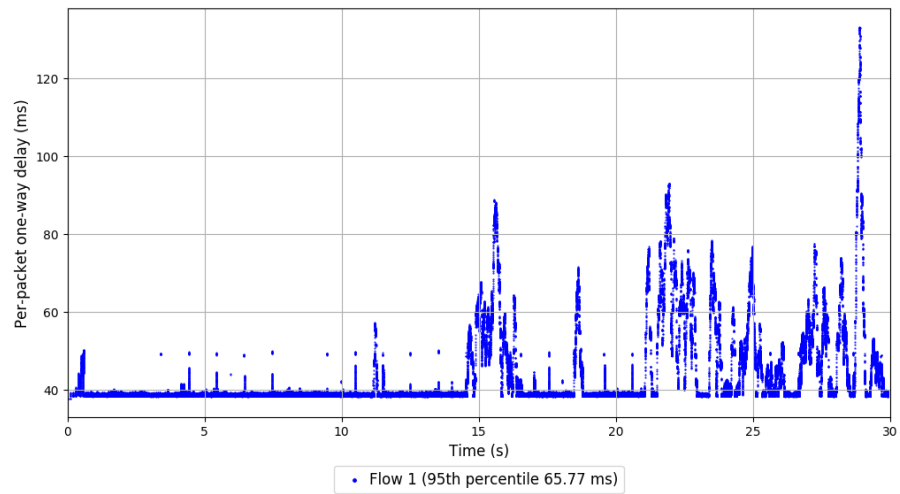
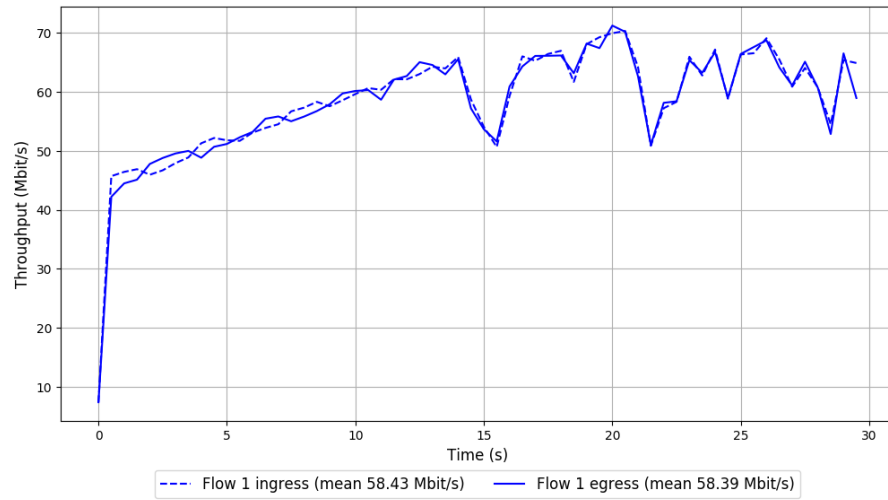
-- Flow 1:

Average throughput: 58.39 Mbit/s

95th percentile per-packet one-way delay: 65.768 ms

Loss rate: 0.34%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-01-25 08:08:03

End at: 2018-01-25 08:08:33

Local clock offset: 0.266 ms

Remote clock offset: 0.893 ms

Below is generated by plot.py at 2018-01-25 12:23:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.46 Mbit/s

95th percentile per-packet one-way delay: 39.160 ms

Loss rate: 0.07%

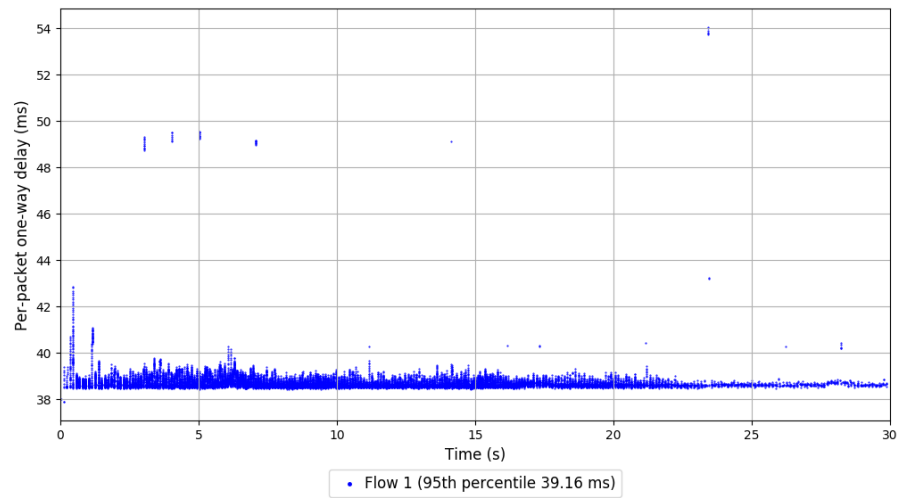
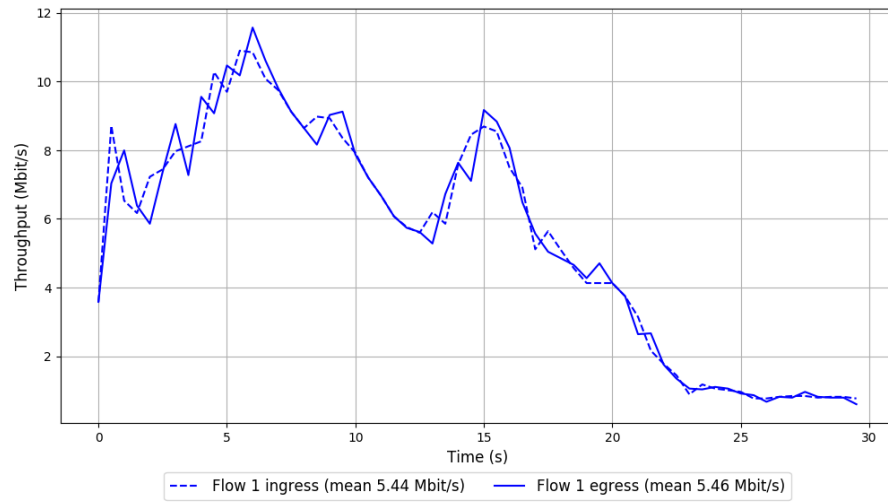
-- Flow 1:

Average throughput: 5.46 Mbit/s

95th percentile per-packet one-way delay: 39.160 ms

Loss rate: 0.07%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-01-25 08:27:10

End at: 2018-01-25 08:27:40

Local clock offset: 0.276 ms

Remote clock offset: 0.397 ms

Below is generated by plot.py at 2018-01-25 12:23:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.04 Mbit/s

95th percentile per-packet one-way delay: 42.292 ms

Loss rate: 0.32%

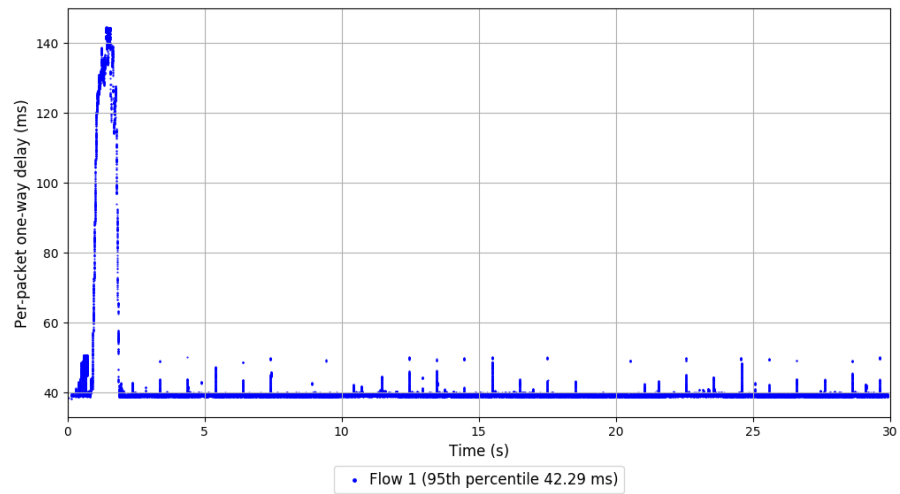
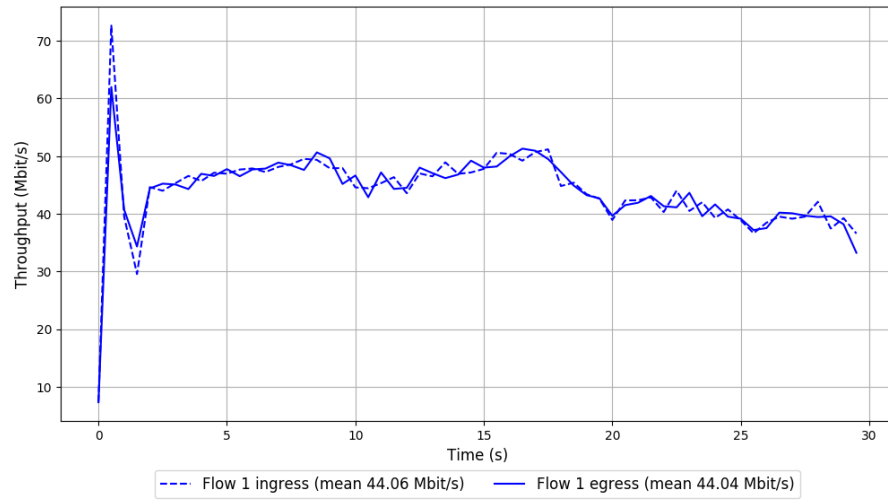
-- Flow 1:

Average throughput: 44.04 Mbit/s

95th percentile per-packet one-way delay: 42.292 ms

Loss rate: 0.32%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-01-25 08:46:06

End at: 2018-01-25 08:46:37

Local clock offset: 0.205 ms

Remote clock offset: -0.77 ms

Below is generated by plot.py at 2018-01-25 12:23:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.68 Mbit/s

95th percentile per-packet one-way delay: 45.690 ms

Loss rate: 0.04%

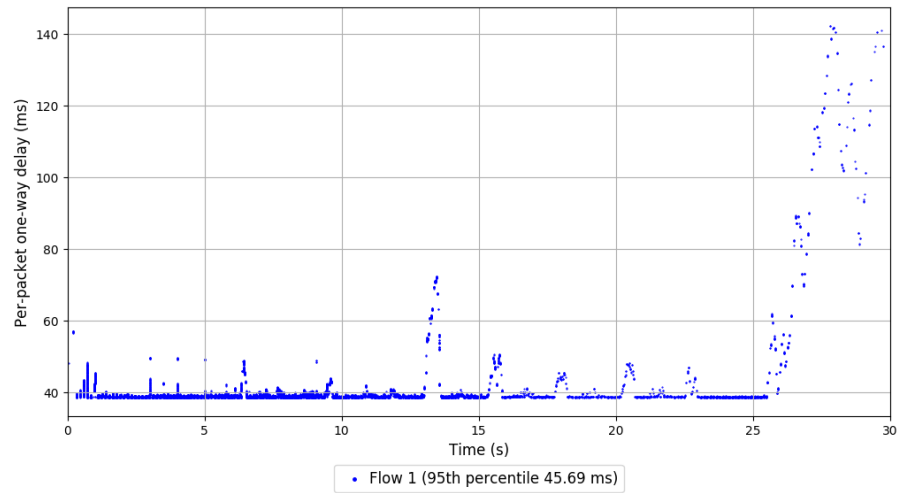
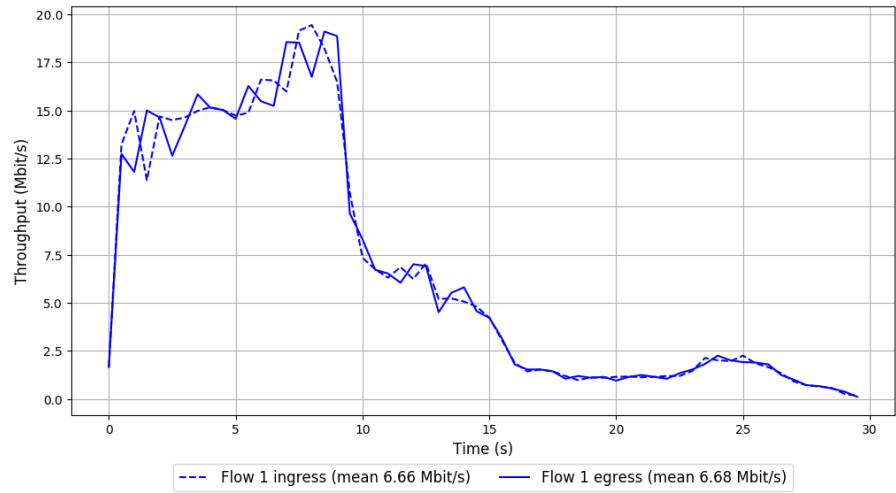
-- Flow 1:

Average throughput: 6.68 Mbit/s

95th percentile per-packet one-way delay: 45.690 ms

Loss rate: 0.04%

Run 10: Report of TCP Vegas — Data Link

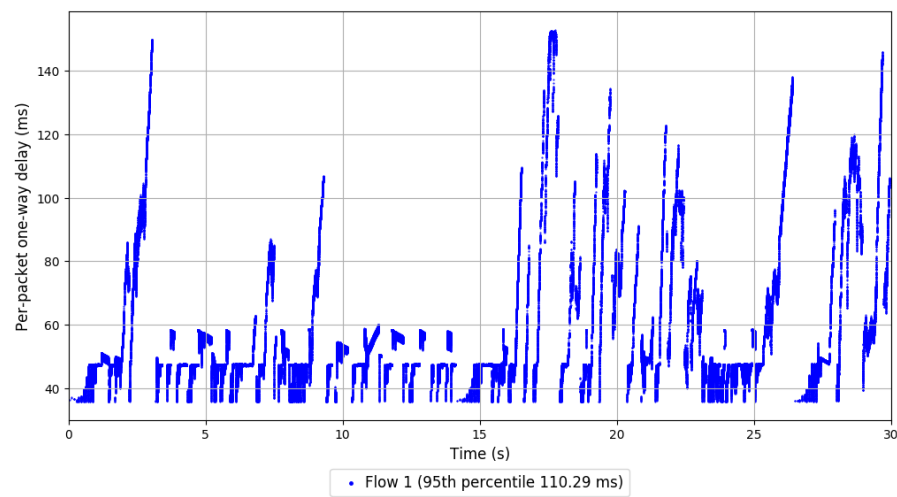
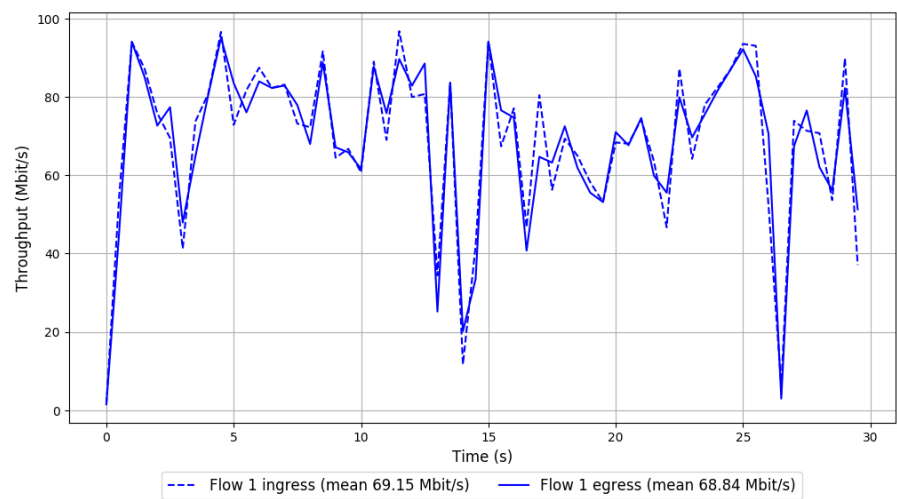


Run 1: Statistics of Verus

Start at: 2018-01-25 06:06:06
End at: 2018-01-25 06:06:36
Local clock offset: -1.096 ms
Remote clock offset: -2.981 ms

Below is generated by plot.py at 2018-01-25 12:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.84 Mbit/s
95th percentile per-packet one-way delay: 110.289 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 68.84 Mbit/s
95th percentile per-packet one-way delay: 110.289 ms
Loss rate: 0.29%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-01-25 06:25:23

End at: 2018-01-25 06:25:53

Local clock offset: 1.632 ms

Remote clock offset: -1.9 ms

Below is generated by plot.py at 2018-01-25 12:24:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.77 Mbit/s

95th percentile per-packet one-way delay: 84.856 ms

Loss rate: 0.26%

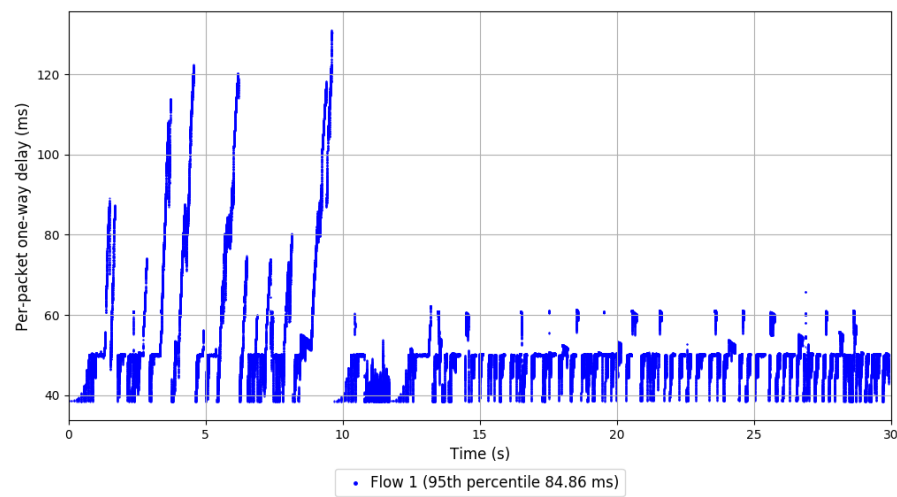
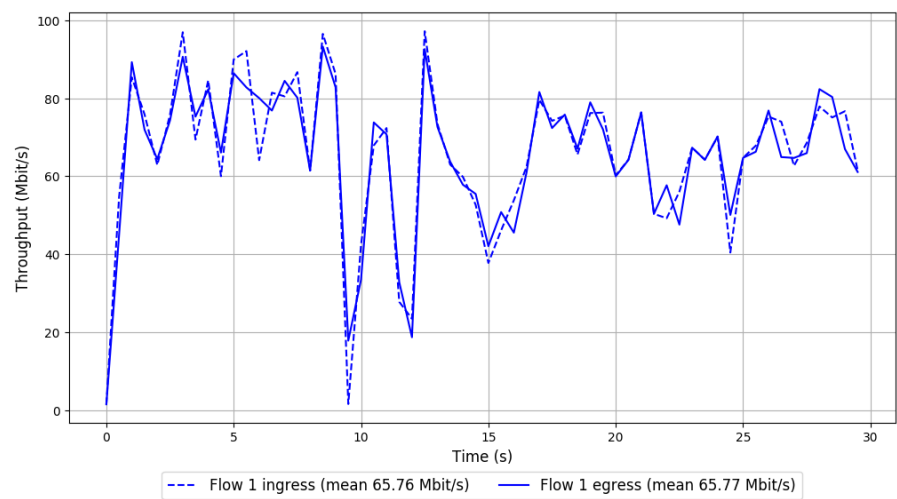
-- Flow 1:

Average throughput: 65.77 Mbit/s

95th percentile per-packet one-way delay: 84.856 ms

Loss rate: 0.26%

Run 2: Report of Verus — Data Link

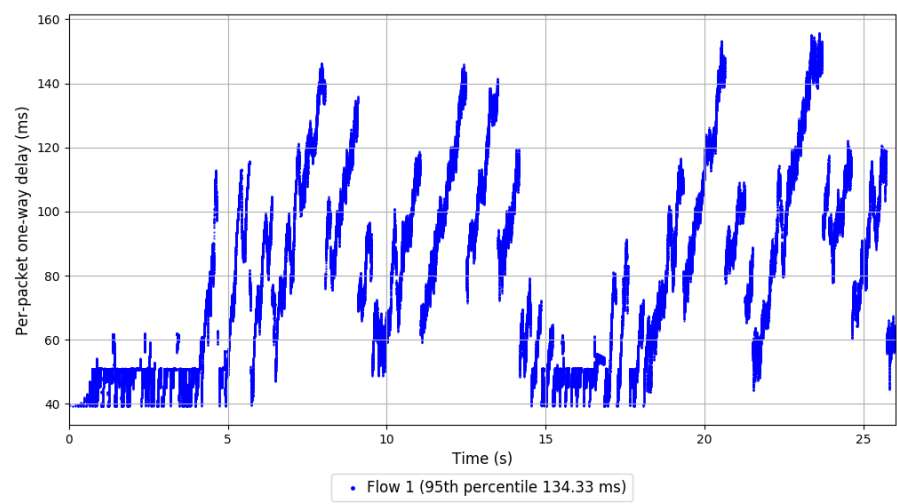
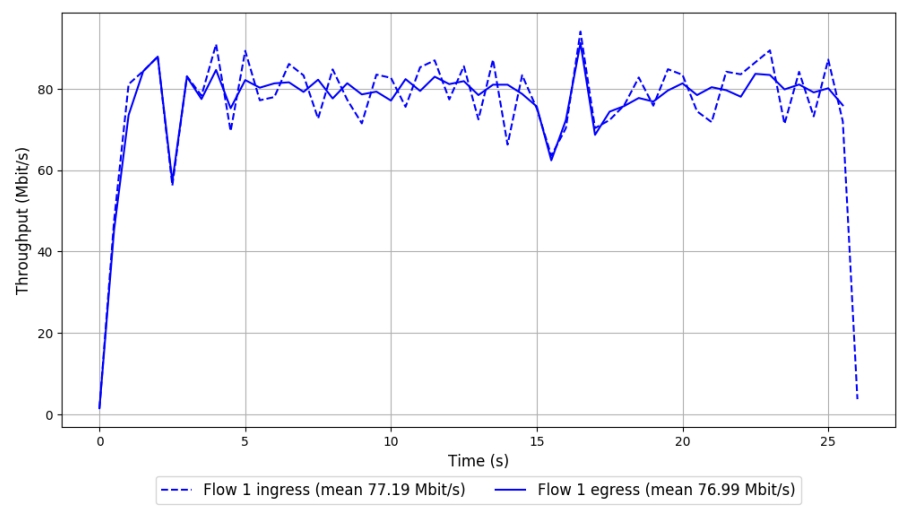


Run 3: Statistics of Verus

Start at: 2018-01-25 06:44:33
End at: 2018-01-25 06:45:03
Local clock offset: 2.088 ms
Remote clock offset: -0.718 ms

Below is generated by plot.py at 2018-01-25 12:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.99 Mbit/s
95th percentile per-packet one-way delay: 134.331 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 76.99 Mbit/s
95th percentile per-packet one-way delay: 134.331 ms
Loss rate: 0.59%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-01-25 07:03:44

End at: 2018-01-25 07:04:14

Local clock offset: 1.762 ms

Remote clock offset: 0.103 ms

Below is generated by plot.py at 2018-01-25 12:24:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.07 Mbit/s

95th percentile per-packet one-way delay: 93.760 ms

Loss rate: 0.41%

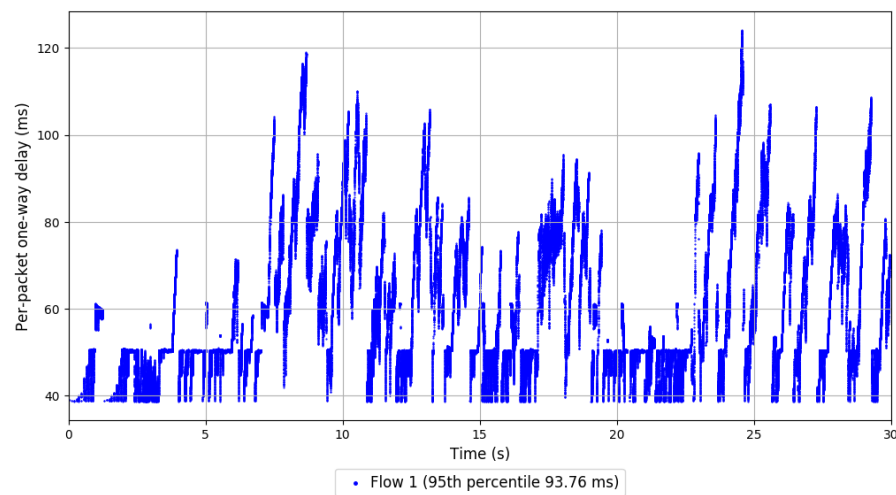
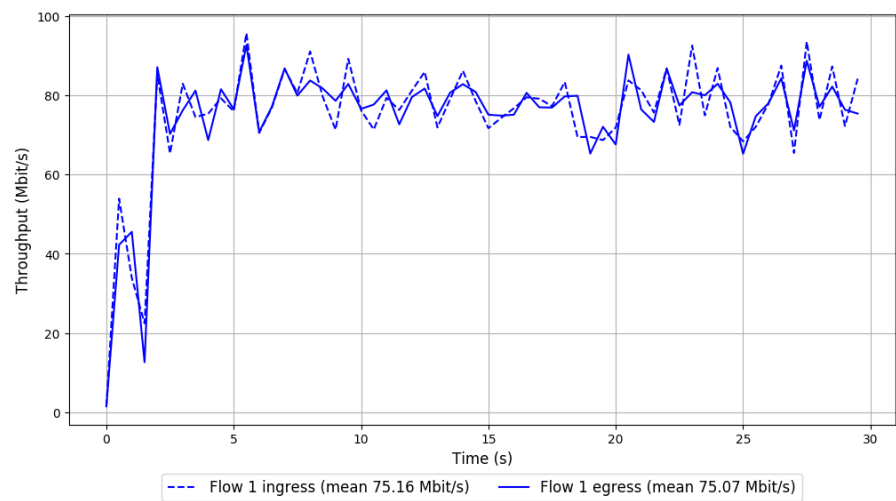
-- Flow 1:

Average throughput: 75.07 Mbit/s

95th percentile per-packet one-way delay: 93.760 ms

Loss rate: 0.41%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-01-25 07:22:48

End at: 2018-01-25 07:23:18

Local clock offset: 1.286 ms

Remote clock offset: 0.779 ms

Below is generated by plot.py at 2018-01-25 12:24:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.67 Mbit/s

95th percentile per-packet one-way delay: 155.238 ms

Loss rate: 2.57%

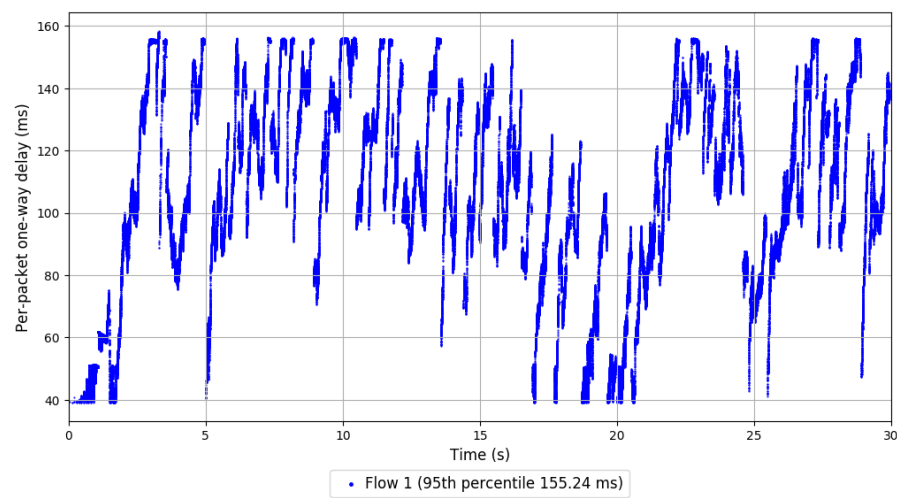
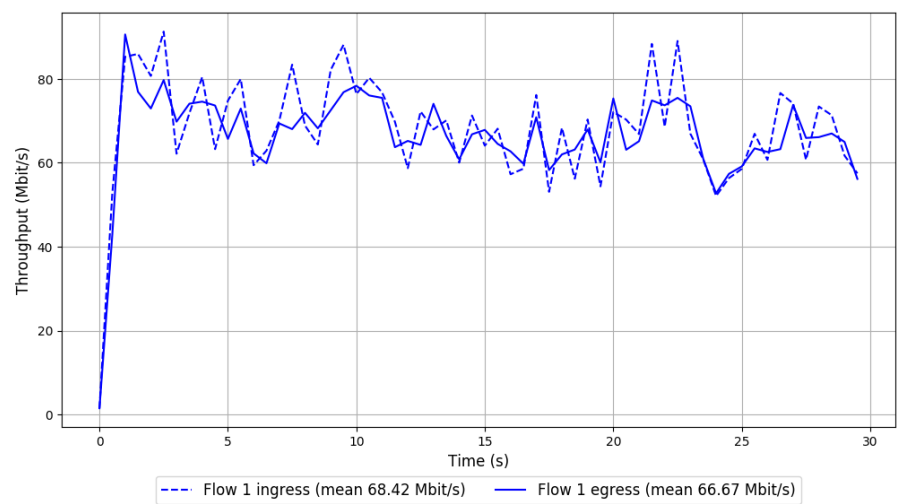
-- Flow 1:

Average throughput: 66.67 Mbit/s

95th percentile per-packet one-way delay: 155.238 ms

Loss rate: 2.57%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

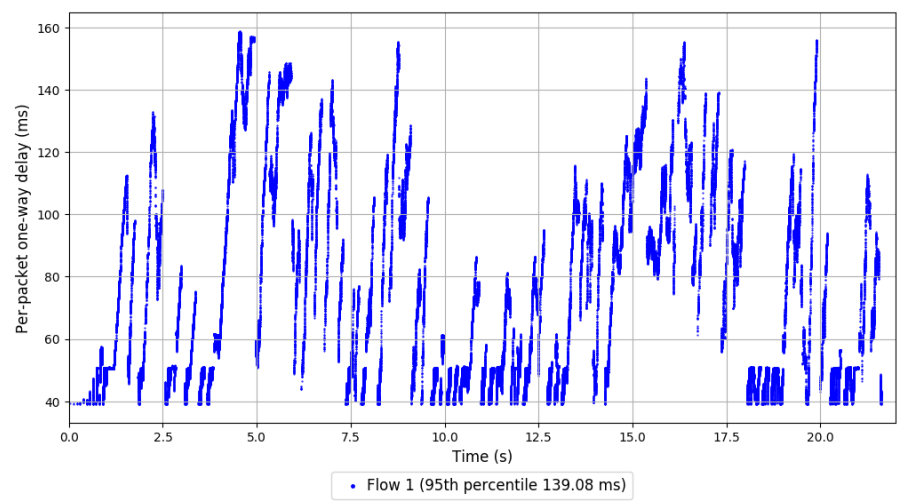
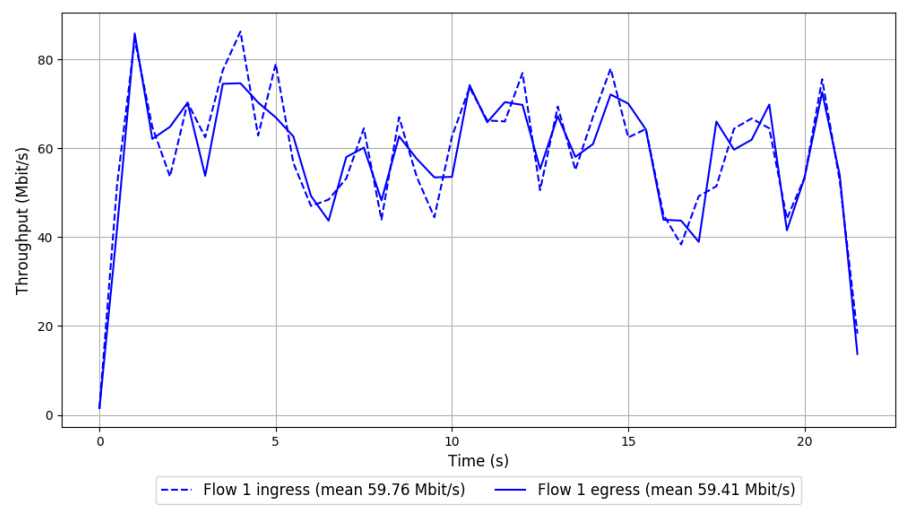
Start at: 2018-01-25 07:41:47

End at: 2018-01-25 07:42:17

Local clock offset: 1.106 ms

Remote clock offset: 0.722 ms

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-01-25 08:00:52

End at: 2018-01-25 08:01:22

Local clock offset: 0.92 ms

Remote clock offset: 0.736 ms

Below is generated by plot.py at 2018-01-25 12:24:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.00 Mbit/s

95th percentile per-packet one-way delay: 101.318 ms

Loss rate: 0.55%

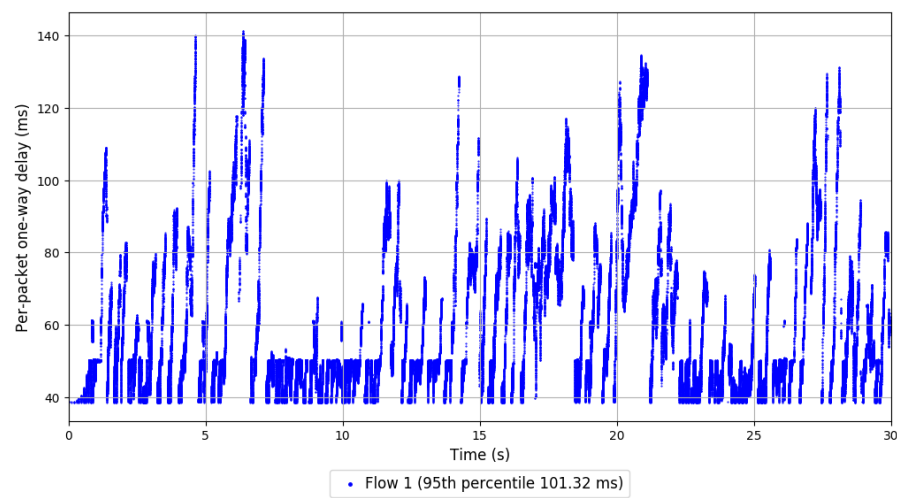
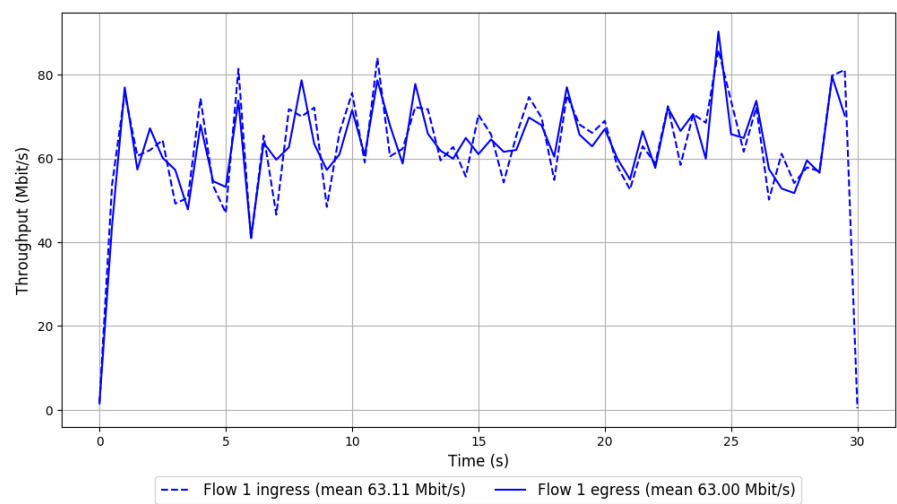
-- Flow 1:

Average throughput: 63.00 Mbit/s

95th percentile per-packet one-way delay: 101.318 ms

Loss rate: 0.55%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-01-25 08:20:01

End at: 2018-01-25 08:20:31

Local clock offset: 0.293 ms

Remote clock offset: 0.872 ms

Below is generated by plot.py at 2018-01-25 12:24:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.49 Mbit/s

95th percentile per-packet one-way delay: 150.505 ms

Loss rate: 2.43%

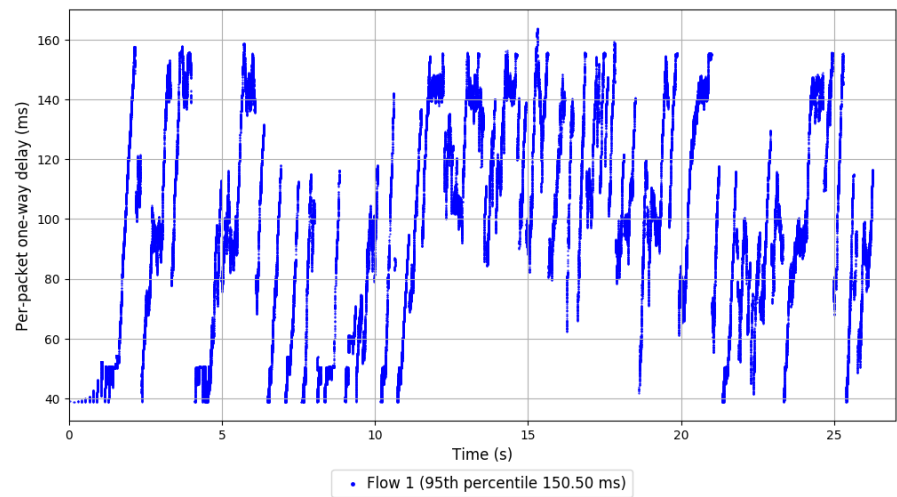
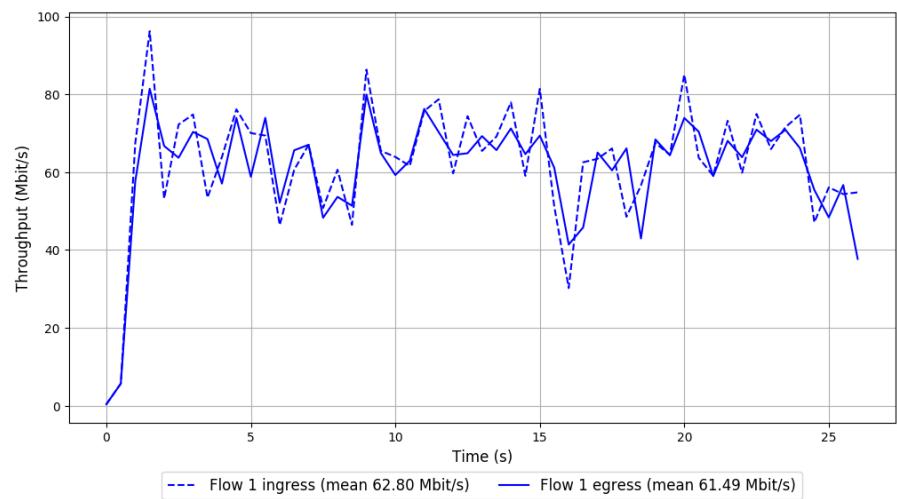
-- Flow 1:

Average throughput: 61.49 Mbit/s

95th percentile per-packet one-way delay: 150.505 ms

Loss rate: 2.43%

Run 8: Report of Verus — Data Link

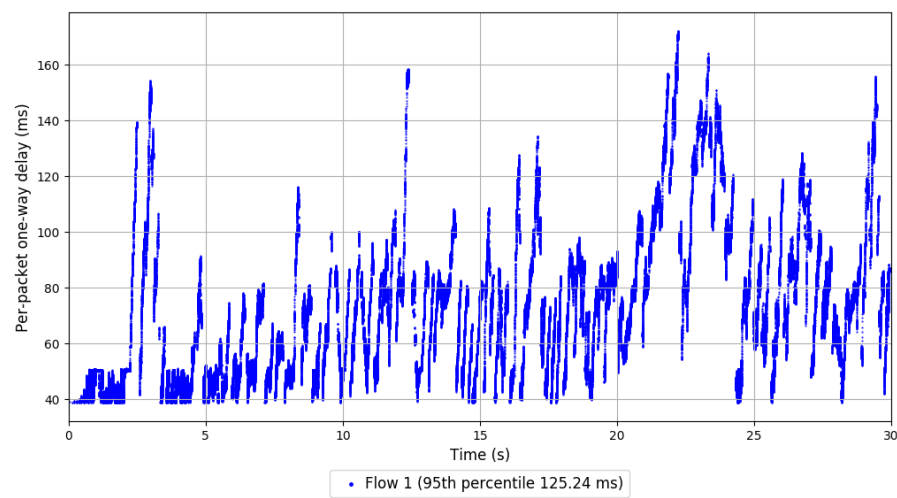
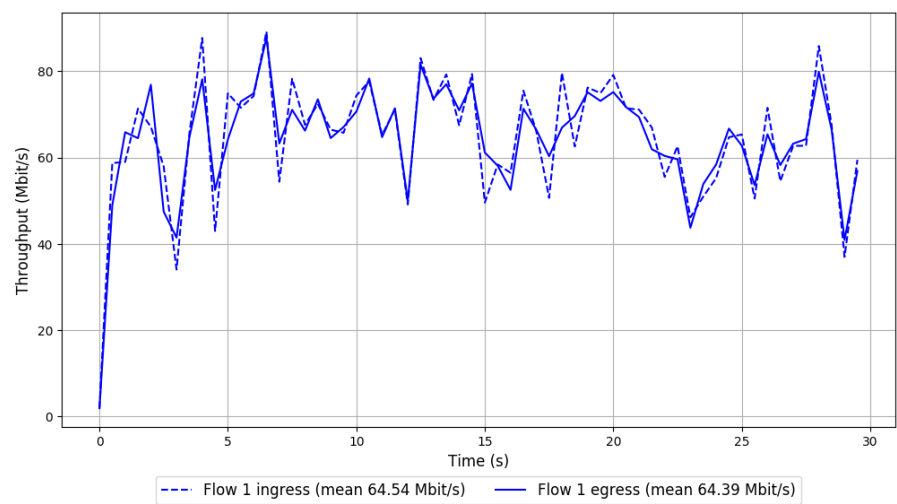


Run 9: Statistics of Verus

Start at: 2018-01-25 08:38:58
End at: 2018-01-25 08:39:28
Local clock offset: 0.155 ms
Remote clock offset: -0.403 ms

Below is generated by plot.py at 2018-01-25 12:24:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 64.39 Mbit/s
95th percentile per-packet one-way delay: 125.242 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 64.39 Mbit/s
95th percentile per-packet one-way delay: 125.242 ms
Loss rate: 0.56%

Run 9: Report of Verus — Data Link

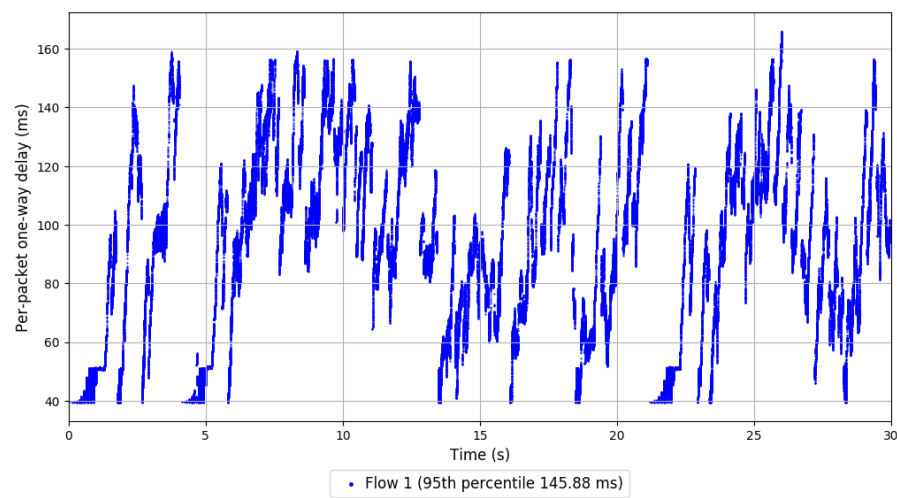
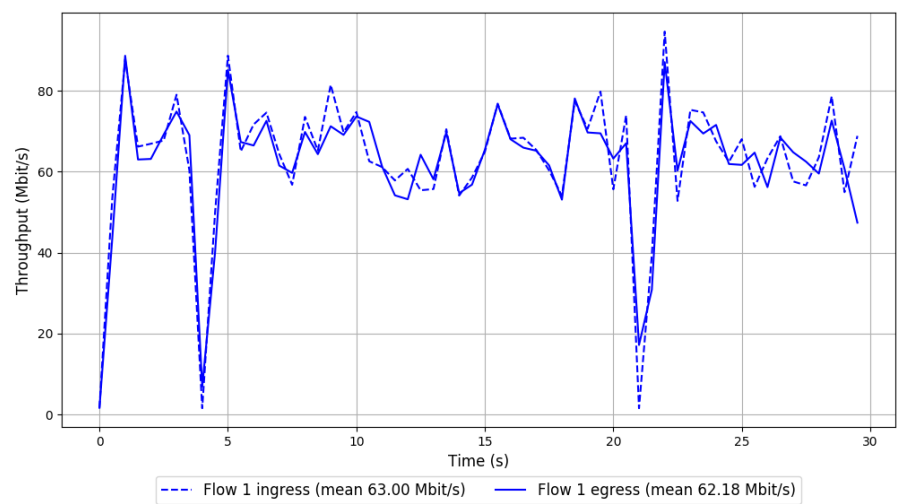


Run 10: Statistics of Verus

Start at: 2018-01-25 08:58:25
End at: 2018-01-25 08:58:55
Local clock offset: 0.264 ms
Remote clock offset: -1.292 ms

Below is generated by plot.py at 2018-01-25 12:24:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.18 Mbit/s
95th percentile per-packet one-way delay: 145.884 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 62.18 Mbit/s
95th percentile per-packet one-way delay: 145.884 ms
Loss rate: 1.56%

Run 10: Report of Verus — Data Link

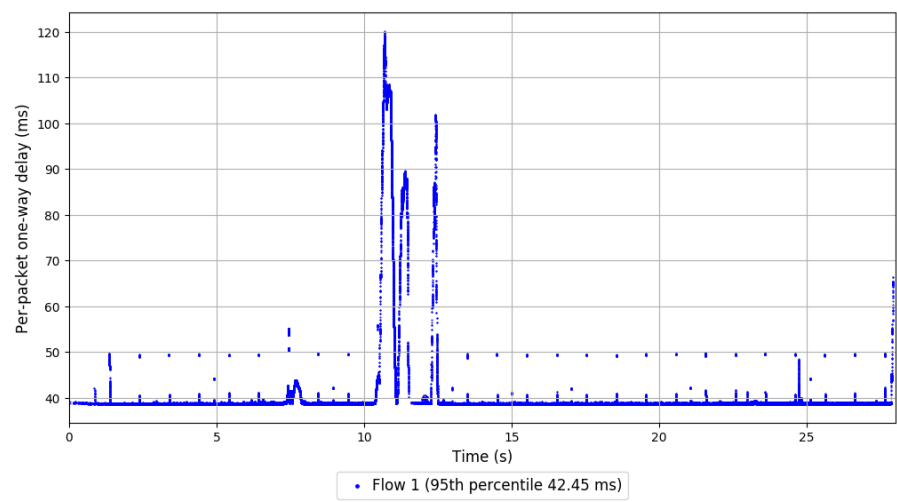
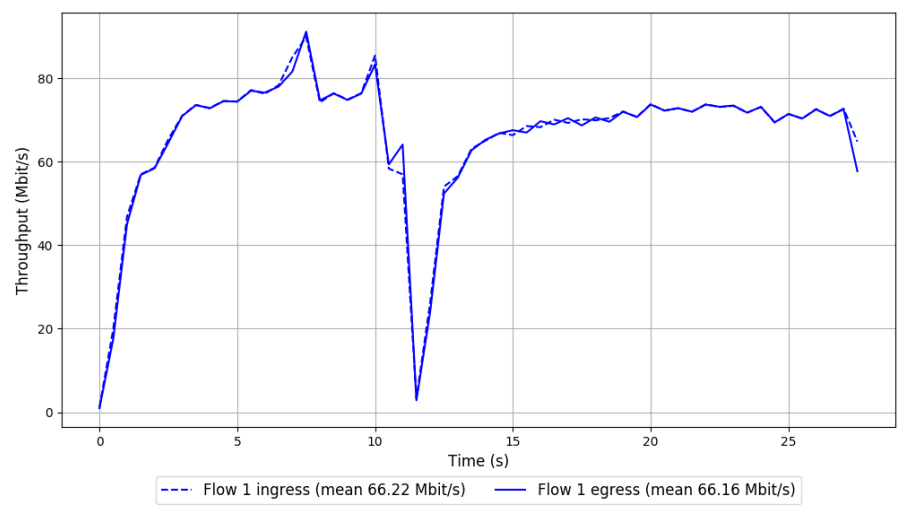


Run 1: Statistics of Copa

Start at: 2018-01-25 06:04:51
End at: 2018-01-25 06:05:21
Local clock offset: 1.479 ms
Remote clock offset: -3.005 ms

Below is generated by plot.py at 2018-01-25 12:25:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.16 Mbit/s
95th percentile per-packet one-way delay: 42.446 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 66.16 Mbit/s
95th percentile per-packet one-way delay: 42.446 ms
Loss rate: 0.40%

Run 1: Report of Copa — Data Link

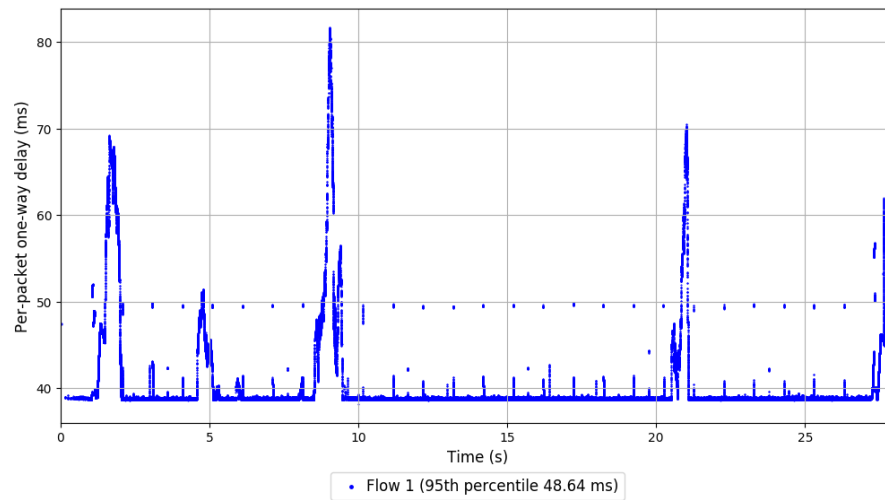
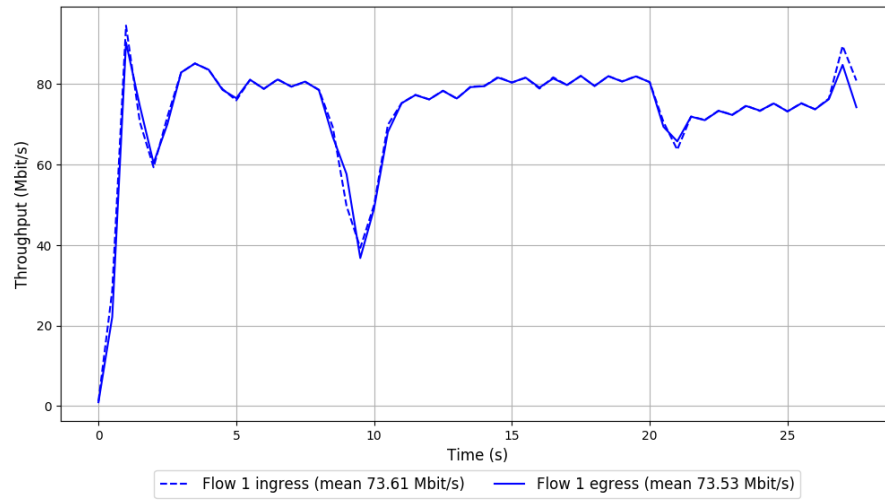


Run 2: Statistics of Copa

Start at: 2018-01-25 06:24:08
End at: 2018-01-25 06:24:38
Local clock offset: 2.007 ms
Remote clock offset: -1.945 ms

Below is generated by plot.py at 2018-01-25 12:26:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.53 Mbit/s
95th percentile per-packet one-way delay: 48.636 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 73.53 Mbit/s
95th percentile per-packet one-way delay: 48.636 ms
Loss rate: 0.45%

Run 2: Report of Copa — Data Link

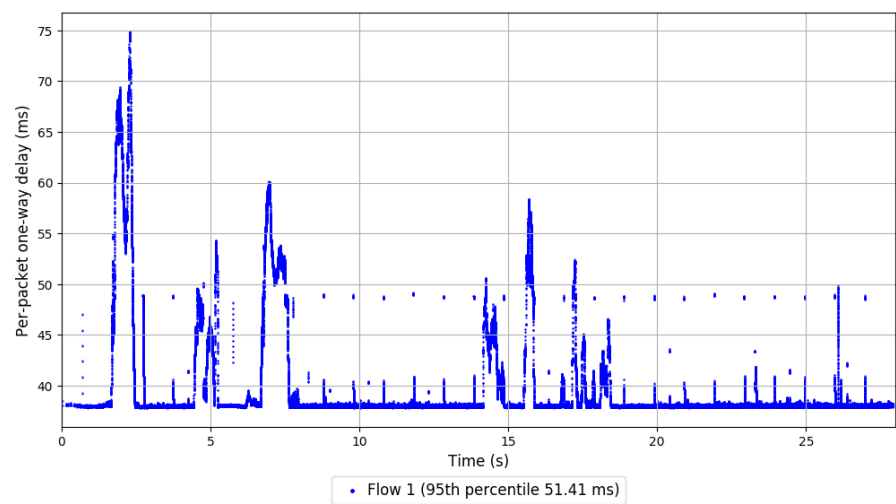
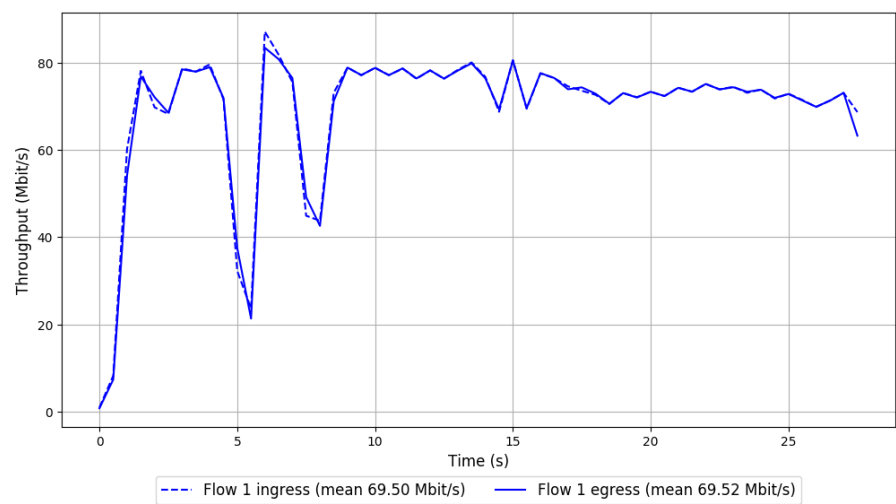


Run 3: Statistics of Copa

Start at: 2018-01-25 06:43:19
End at: 2018-01-25 06:43:49
Local clock offset: 1.221 ms
Remote clock offset: -0.736 ms

Below is generated by plot.py at 2018-01-25 12:26:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.52 Mbit/s
95th percentile per-packet one-way delay: 51.412 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 69.52 Mbit/s
95th percentile per-packet one-way delay: 51.412 ms
Loss rate: 0.28%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-01-25 07:02:30

End at: 2018-01-25 07:03:00

Local clock offset: 1.587 ms

Remote clock offset: 0.075 ms

Below is generated by plot.py at 2018-01-25 12:26:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.59 Mbit/s

95th percentile per-packet one-way delay: 43.684 ms

Loss rate: 0.39%

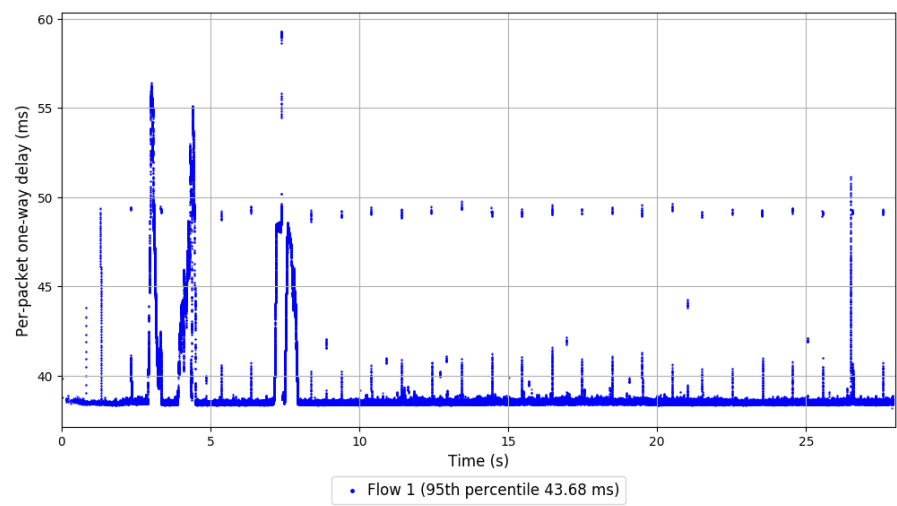
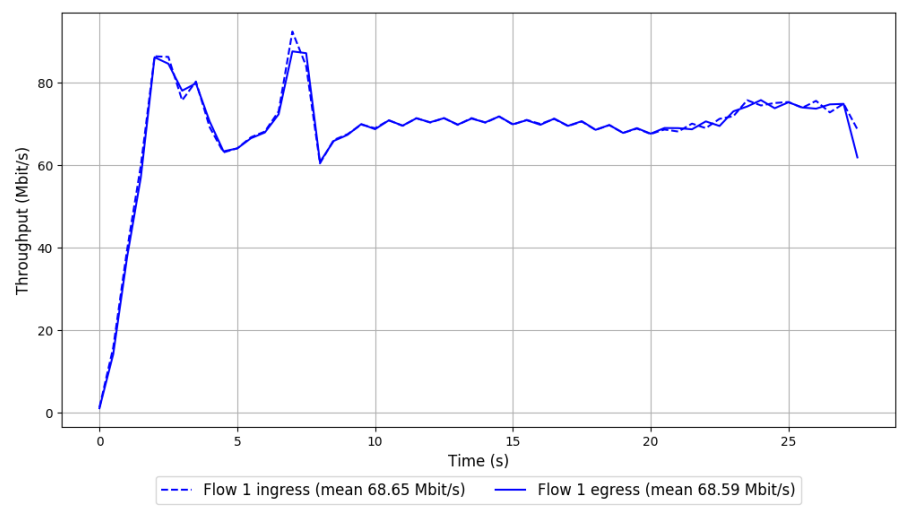
-- Flow 1:

Average throughput: 68.59 Mbit/s

95th percentile per-packet one-way delay: 43.684 ms

Loss rate: 0.39%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-01-25 07:21:34

End at: 2018-01-25 07:22:04

Local clock offset: 1.763 ms

Remote clock offset: 0.705 ms

Below is generated by plot.py at 2018-01-25 12:26:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.87 Mbit/s

95th percentile per-packet one-way delay: 56.864 ms

Loss rate: 0.31%

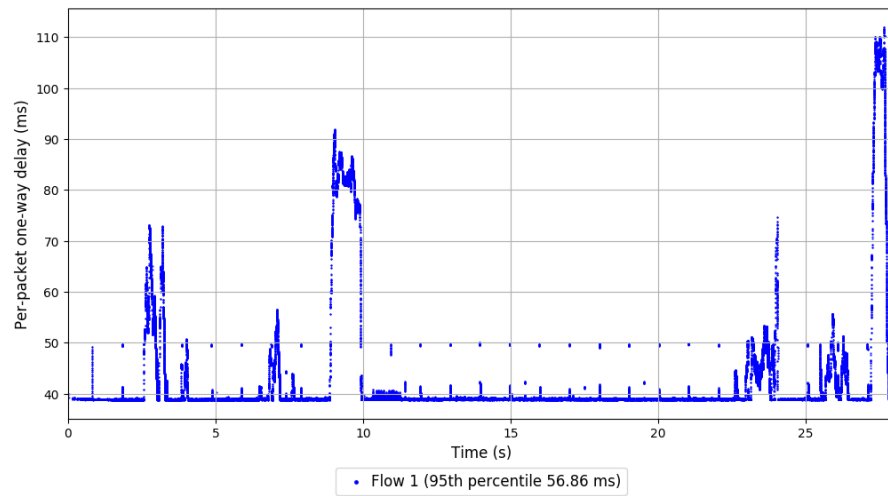
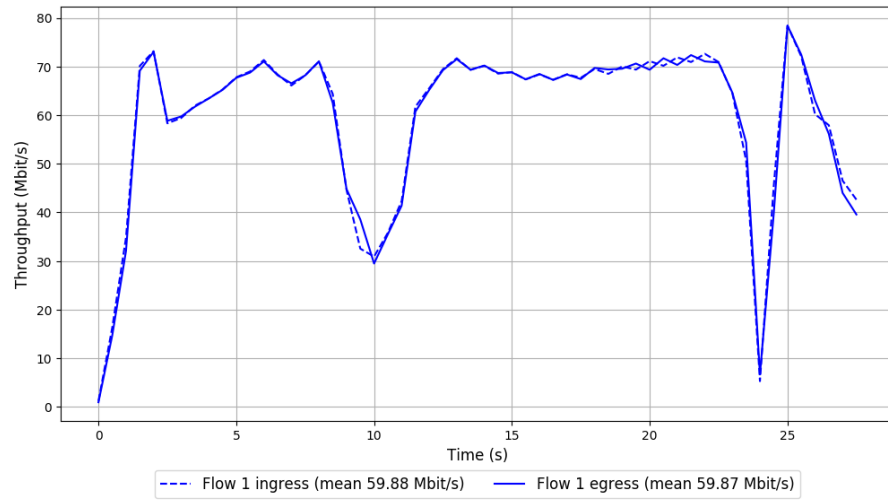
-- Flow 1:

Average throughput: 59.87 Mbit/s

95th percentile per-packet one-way delay: 56.864 ms

Loss rate: 0.31%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

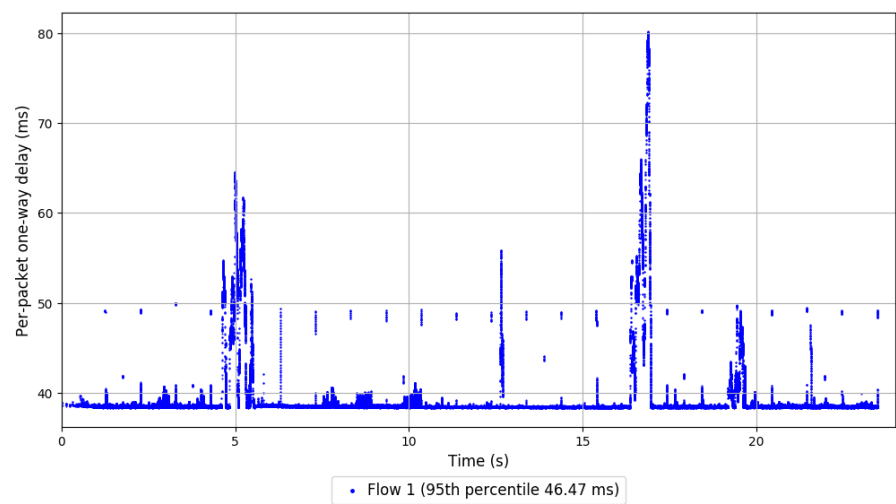
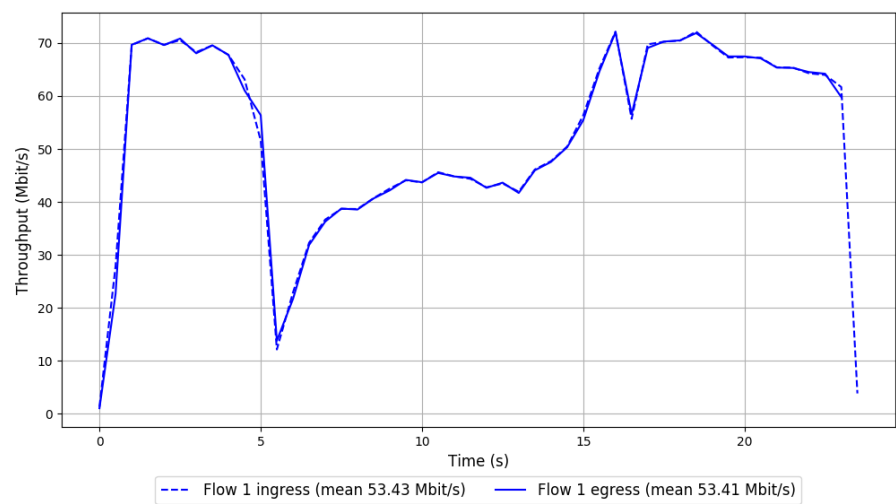
Start at: 2018-01-25 07:40:35

End at: 2018-01-25 07:41:05

Local clock offset: 0.785 ms

Remote clock offset: 0.767 ms

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-01-25 07:59:40

End at: 2018-01-25 08:00:10

Local clock offset: 0.83 ms

Remote clock offset: 0.721 ms

Below is generated by plot.py at 2018-01-25 12:26:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.63 Mbit/s

95th percentile per-packet one-way delay: 38.941 ms

Loss rate: 0.15%

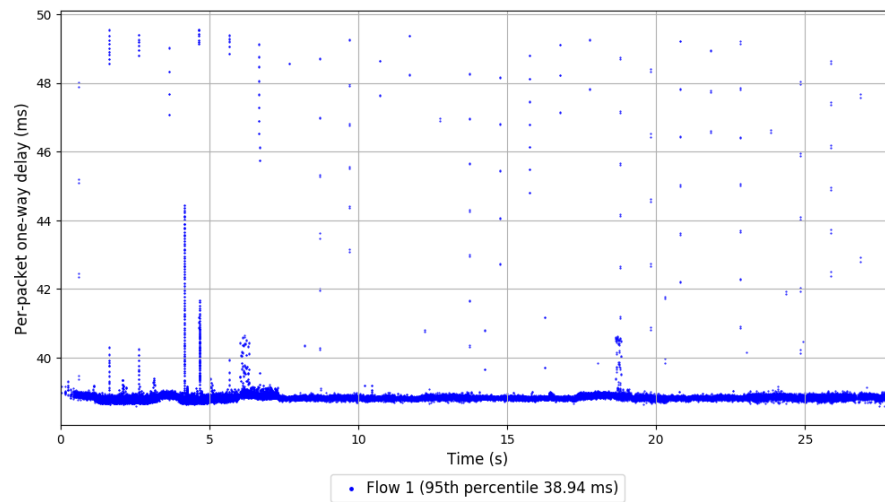
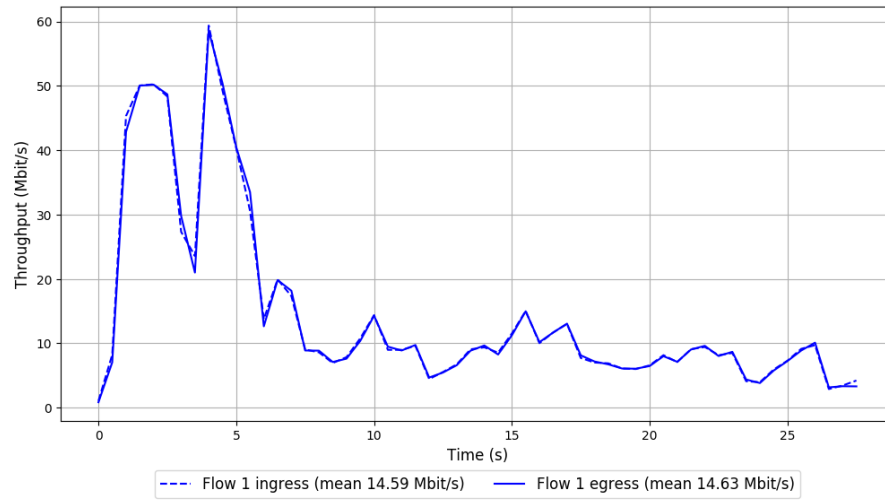
-- Flow 1:

Average throughput: 14.63 Mbit/s

95th percentile per-packet one-way delay: 38.941 ms

Loss rate: 0.15%

Run 7: Report of Copa — Data Link

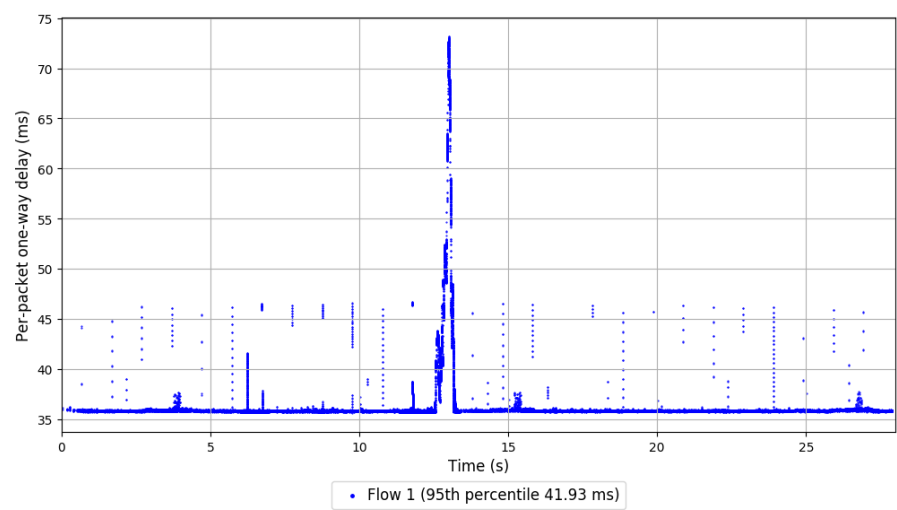
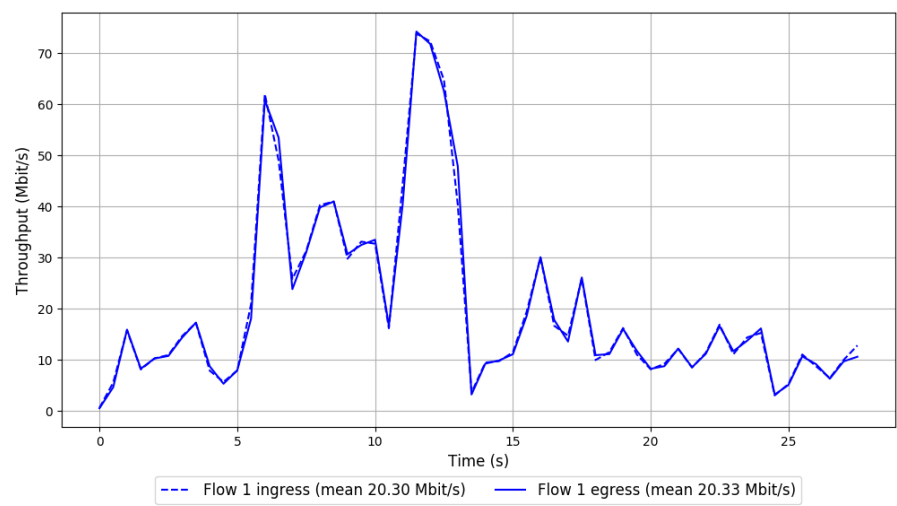


Run 8: Statistics of Copa

Start at: 2018-01-25 08:18:50
End at: 2018-01-25 08:19:20
Local clock offset: -2.061 ms
Remote clock offset: 0.89 ms

Below is generated by plot.py at 2018-01-25 12:26:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.33 Mbit/s
95th percentile per-packet one-way delay: 41.928 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 20.33 Mbit/s
95th percentile per-packet one-way delay: 41.928 ms
Loss rate: 0.27%

Run 8: Report of Copa — Data Link

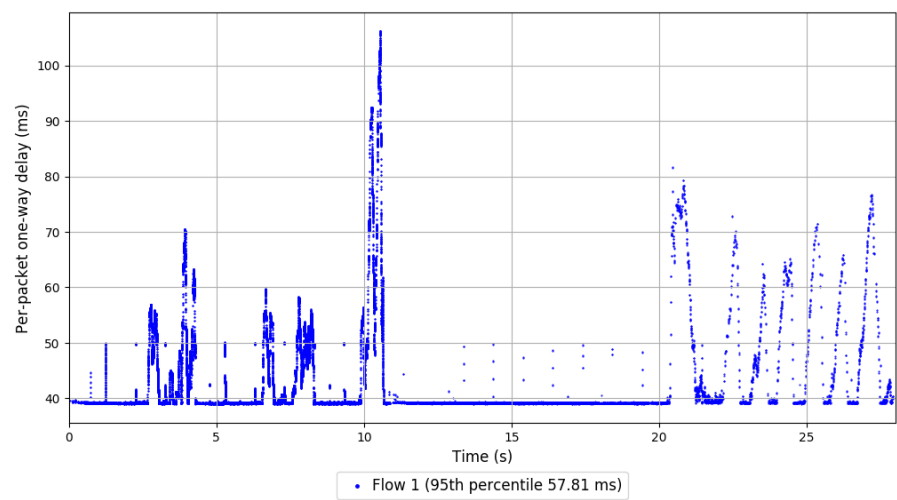
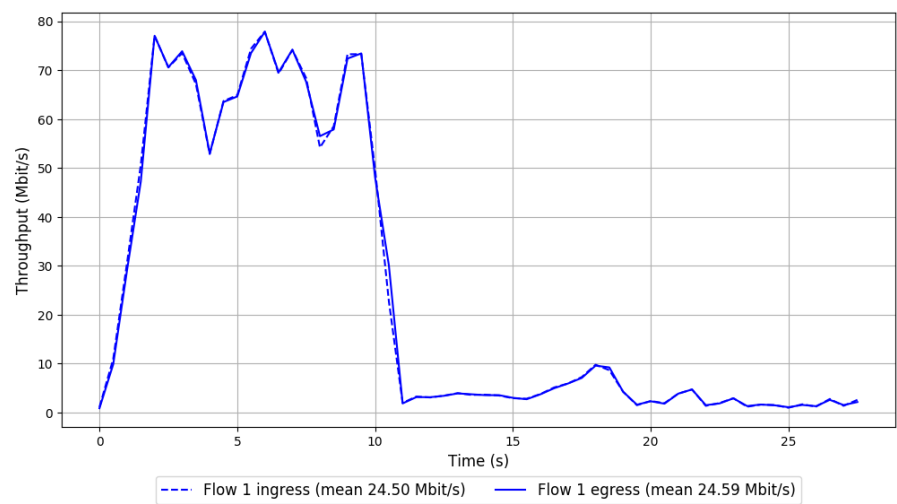


Run 9: Statistics of Copa

Start at: 2018-01-25 08:37:46
End at: 2018-01-25 08:38:16
Local clock offset: 0.255 ms
Remote clock offset: -0.256 ms

Below is generated by plot.py at 2018-01-25 12:26:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 57.813 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 57.813 ms
Loss rate: 0.05%

Run 9: Report of Copa — Data Link

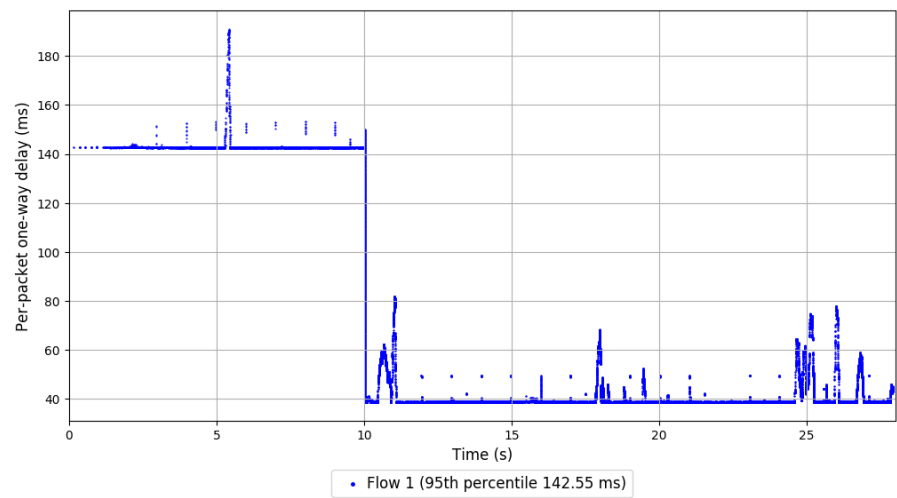
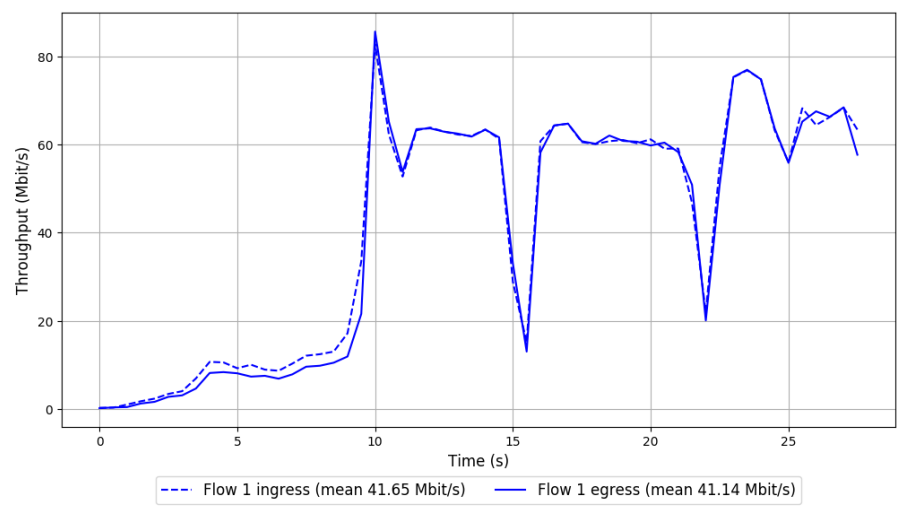


Run 10: Statistics of Copa

Start at: 2018-01-25 08:57:13
End at: 2018-01-25 08:57:43
Local clock offset: 0.04 ms
Remote clock offset: -1.241 ms

Below is generated by plot.py at 2018-01-25 12:26:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.14 Mbit/s
95th percentile per-packet one-way delay: 142.550 ms
Loss rate: 1.89%
-- Flow 1:
Average throughput: 41.14 Mbit/s
95th percentile per-packet one-way delay: 142.550 ms
Loss rate: 1.89%

Run 10: Report of Copa — Data Link

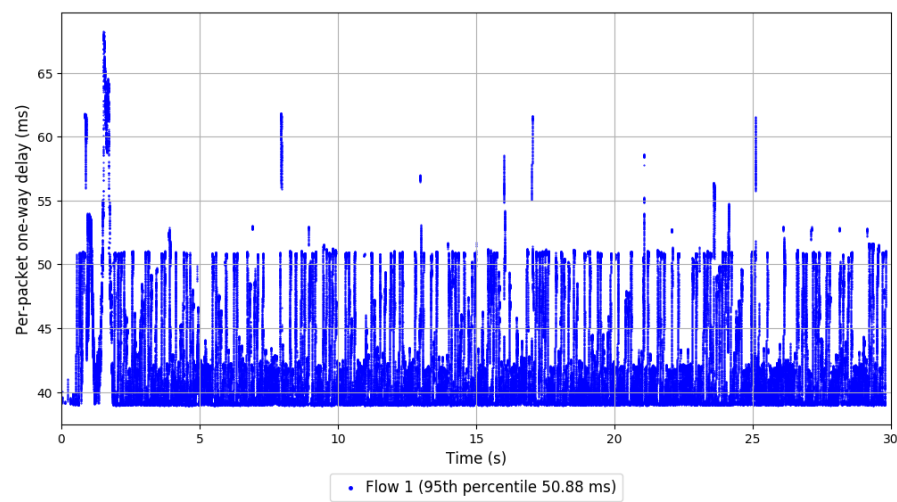
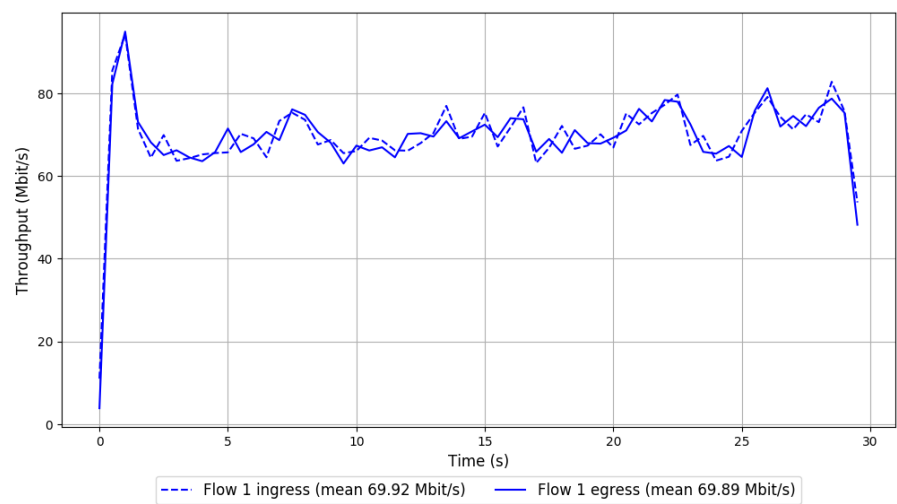


Run 1: Statistics of Indigo-2-256

Start at: 2018-01-25 05:58:51
End at: 2018-01-25 05:59:21
Local clock offset: 1.772 ms
Remote clock offset: -3.323 ms

Below is generated by plot.py at 2018-01-25 12:26:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.89 Mbit/s
95th percentile per-packet one-way delay: 50.879 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 69.89 Mbit/s
95th percentile per-packet one-way delay: 50.879 ms
Loss rate: 0.33%

Run 1: Report of Indigo-2-256 — Data Link

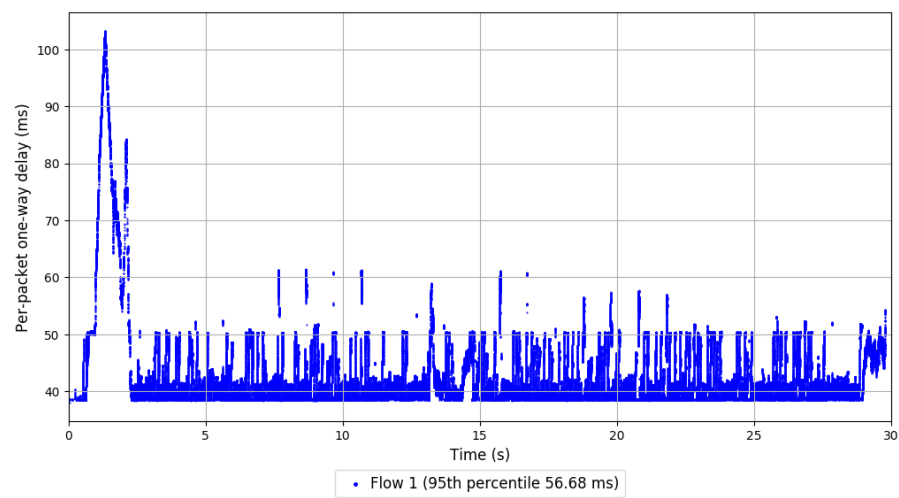
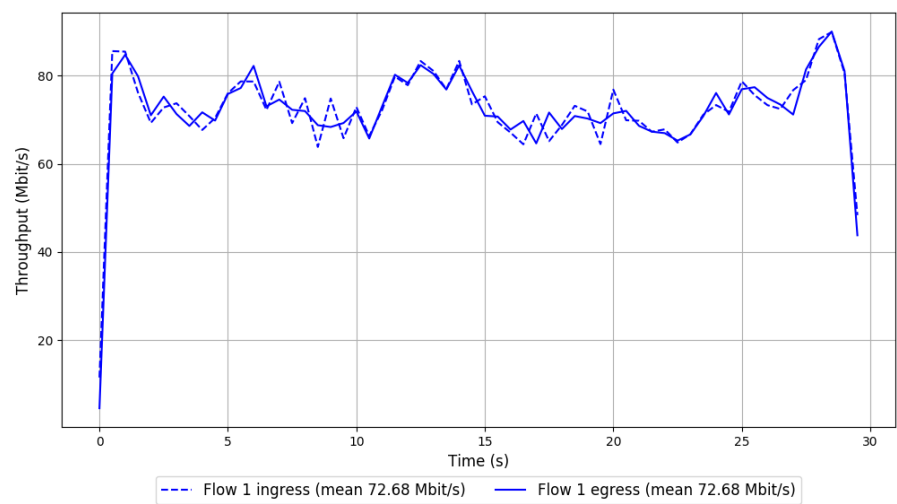


Run 2: Statistics of Indigo-2-256

Start at: 2018-01-25 06:18:11
End at: 2018-01-25 06:18:41
Local clock offset: 1.645 ms
Remote clock offset: -2.279 ms

Below is generated by plot.py at 2018-01-25 12:26:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.68 Mbit/s
95th percentile per-packet one-way delay: 56.679 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 72.68 Mbit/s
95th percentile per-packet one-way delay: 56.679 ms
Loss rate: 0.27%

Run 2: Report of Indigo-2-256 — Data Link

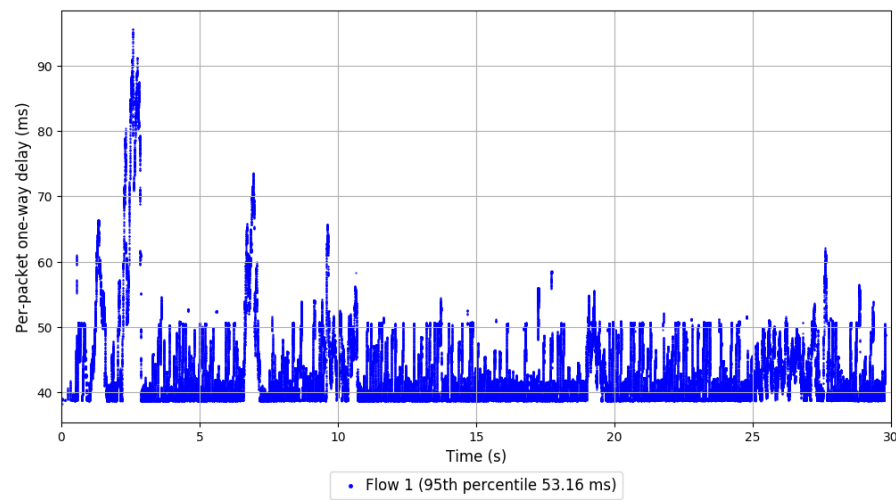
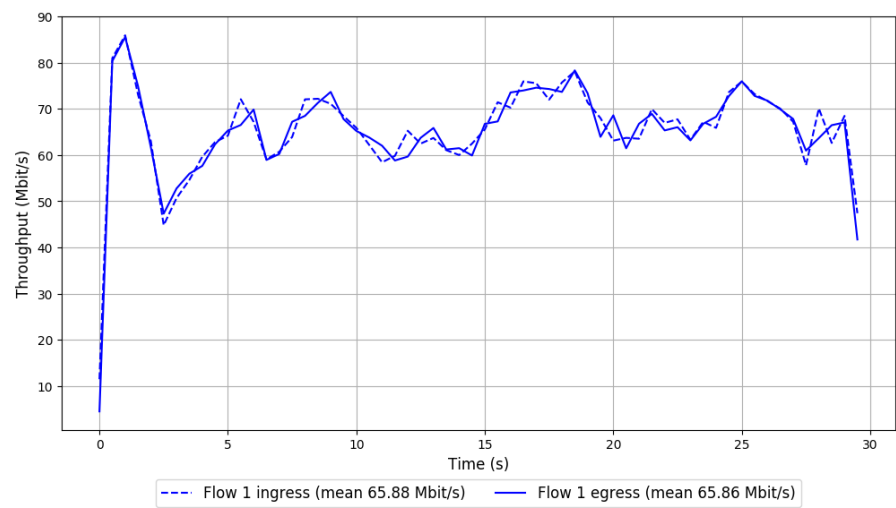


Run 3: Statistics of Indigo-2-256

Start at: 2018-01-25 06:37:20
End at: 2018-01-25 06:37:50
Local clock offset: 1.693 ms
Remote clock offset: -1.142 ms

Below is generated by plot.py at 2018-01-25 12:26:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.86 Mbit/s
95th percentile per-packet one-way delay: 53.156 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 65.86 Mbit/s
95th percentile per-packet one-way delay: 53.156 ms
Loss rate: 0.32%

Run 3: Report of Indigo-2-256 — Data Link

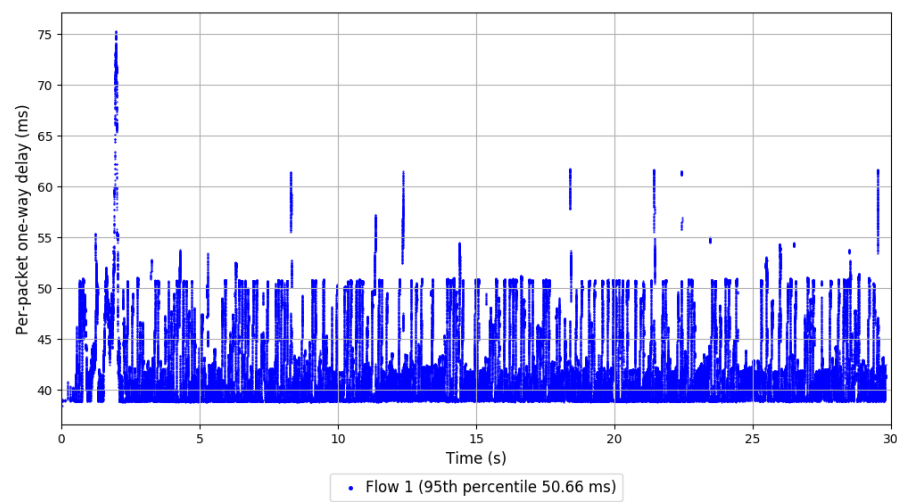
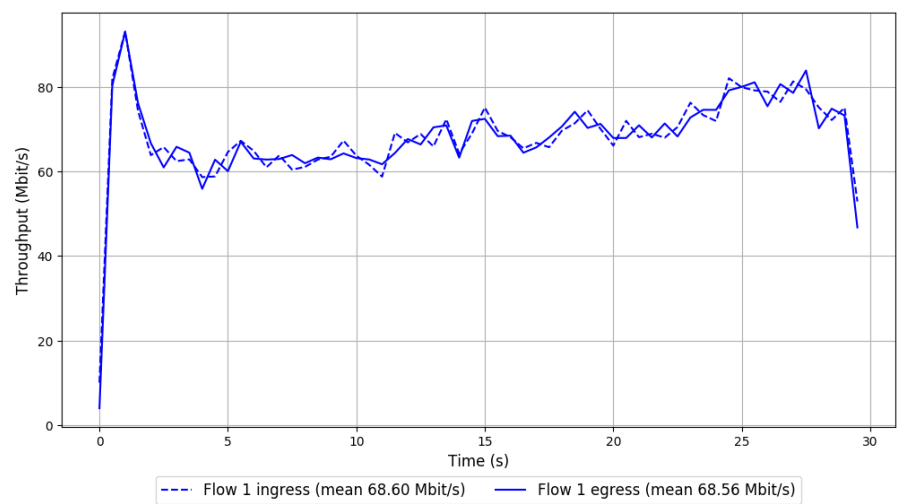


Run 4: Statistics of Indigo-2-256

Start at: 2018-01-25 06:56:31
End at: 2018-01-25 06:57:01
Local clock offset: 1.727 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-01-25 12:27:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.56 Mbit/s
95th percentile per-packet one-way delay: 50.657 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 68.56 Mbit/s
95th percentile per-packet one-way delay: 50.657 ms
Loss rate: 0.34%

Run 4: Report of Indigo-2-256 — Data Link



Run 5: Statistics of Indigo-2-256

Start at: 2018-01-25 07:15:39

End at: 2018-01-25 07:16:09

Local clock offset: 1.897 ms

Remote clock offset: 0.589 ms

Below is generated by plot.py at 2018-01-25 12:27:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.04 Mbit/s

95th percentile per-packet one-way delay: 57.250 ms

Loss rate: 0.31%

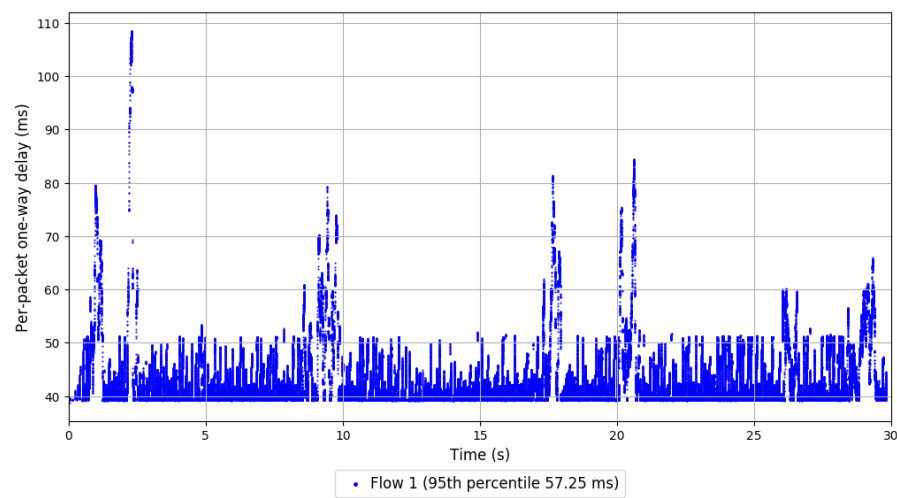
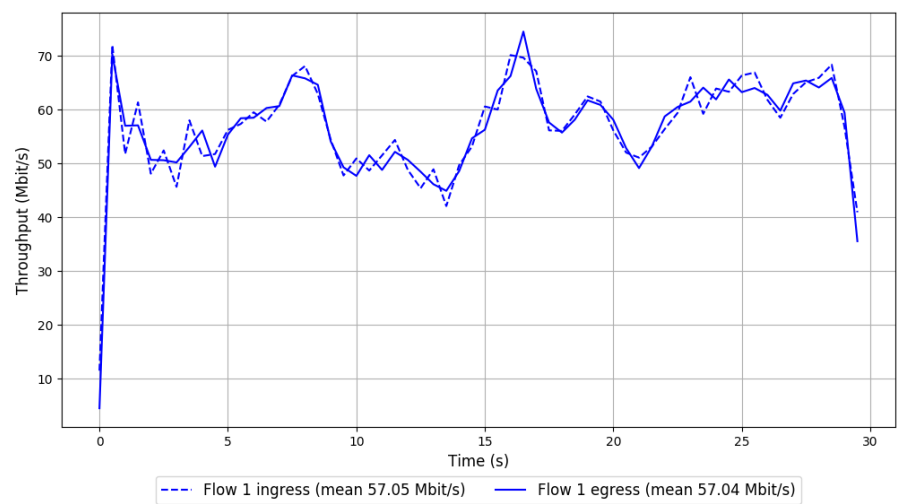
-- Flow 1:

Average throughput: 57.04 Mbit/s

95th percentile per-packet one-way delay: 57.250 ms

Loss rate: 0.31%

Run 5: Report of Indigo-2-256 — Data Link



Run 6: Statistics of Indigo-2-256

Start at: 2018-01-25 07:34:40

End at: 2018-01-25 07:35:10

Local clock offset: 1.407 ms

Remote clock offset: 0.87 ms

Below is generated by plot.py at 2018-01-25 12:27:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.19 Mbit/s

95th percentile per-packet one-way delay: 50.504 ms

Loss rate: 0.39%

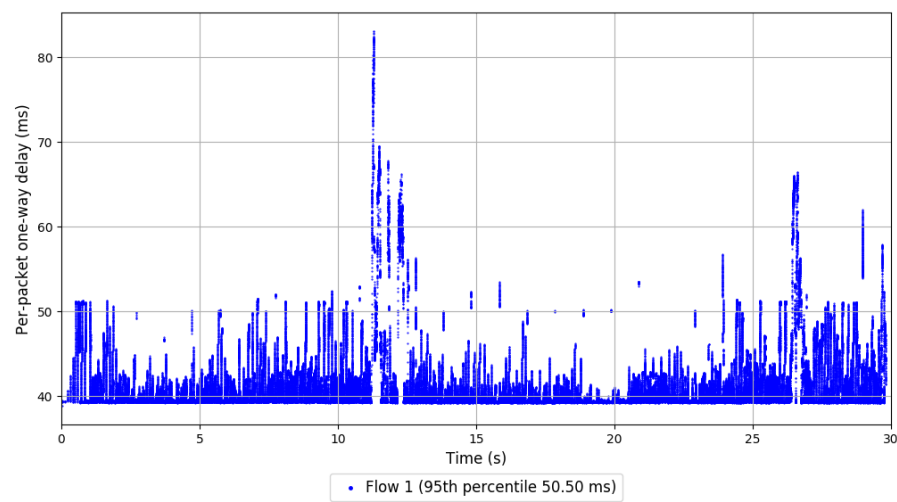
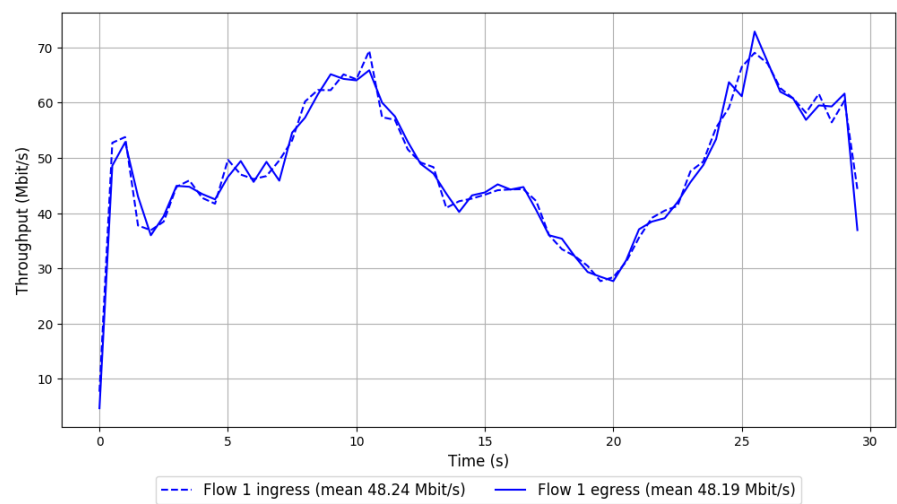
-- Flow 1:

Average throughput: 48.19 Mbit/s

95th percentile per-packet one-way delay: 50.504 ms

Loss rate: 0.39%

Run 6: Report of Indigo-2-256 — Data Link



Run 7: Statistics of Indigo-2-256

Start at: 2018-01-25 07:53:39

End at: 2018-01-25 07:54:09

Local clock offset: 1.051 ms

Remote clock offset: 0.67 ms

Below is generated by plot.py at 2018-01-25 12:27:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.46 Mbit/s

95th percentile per-packet one-way delay: 61.369 ms

Loss rate: 0.32%

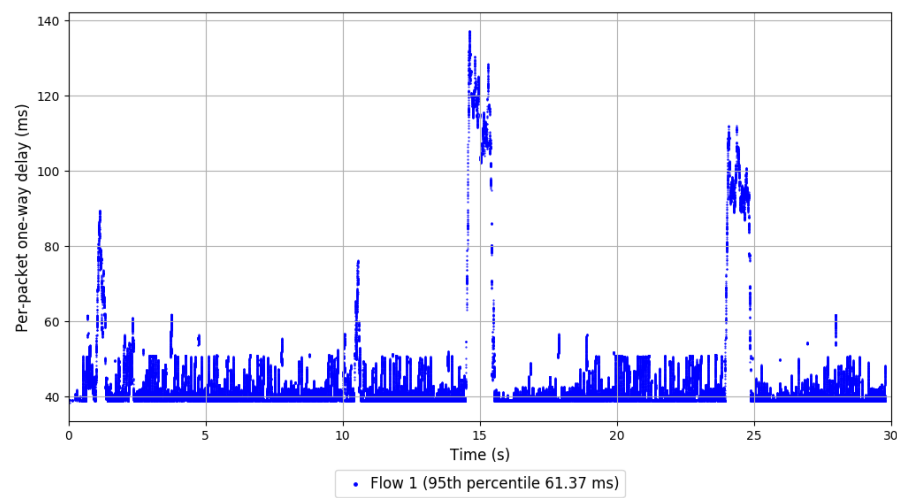
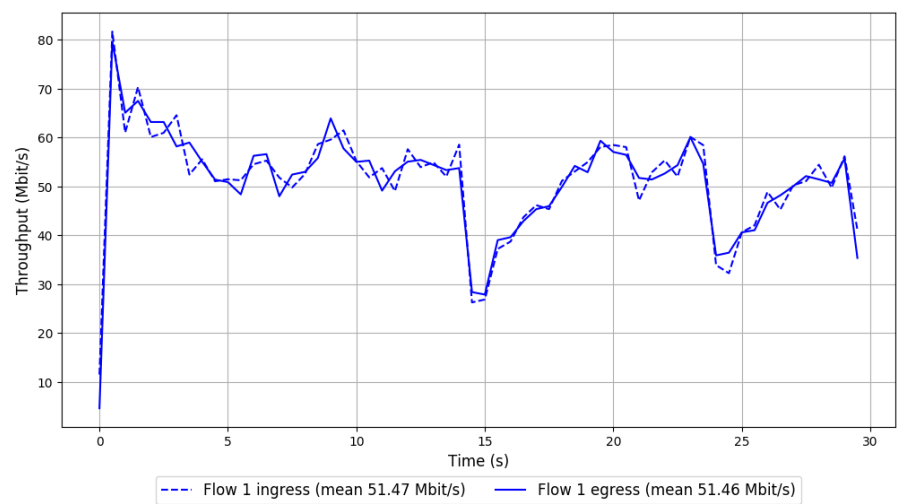
-- Flow 1:

Average throughput: 51.46 Mbit/s

95th percentile per-packet one-way delay: 61.369 ms

Loss rate: 0.32%

Run 7: Report of Indigo-2-256 — Data Link



Run 8: Statistics of Indigo-2-256

Start at: 2018-01-25 08:12:51

End at: 2018-01-25 08:13:21

Local clock offset: 0.779 ms

Remote clock offset: 0.858 ms

Below is generated by plot.py at 2018-01-25 12:27:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.99 Mbit/s

95th percentile per-packet one-way delay: 112.059 ms

Loss rate: 0.18%

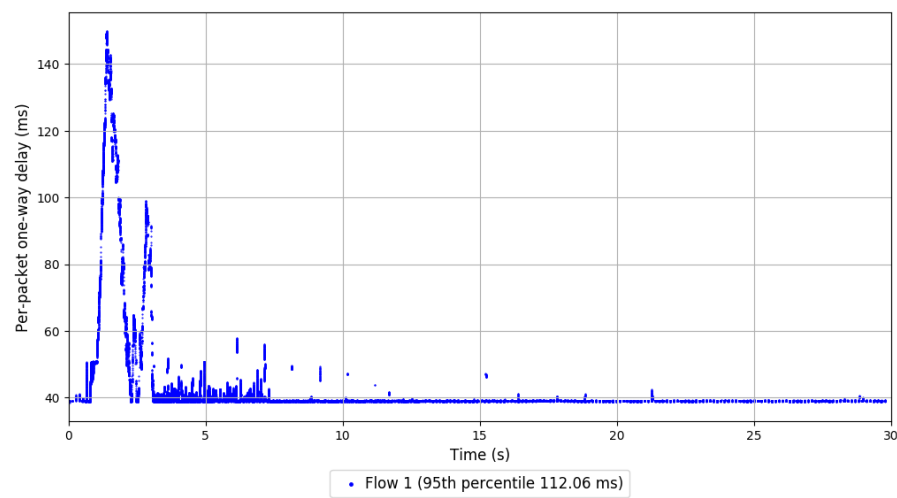
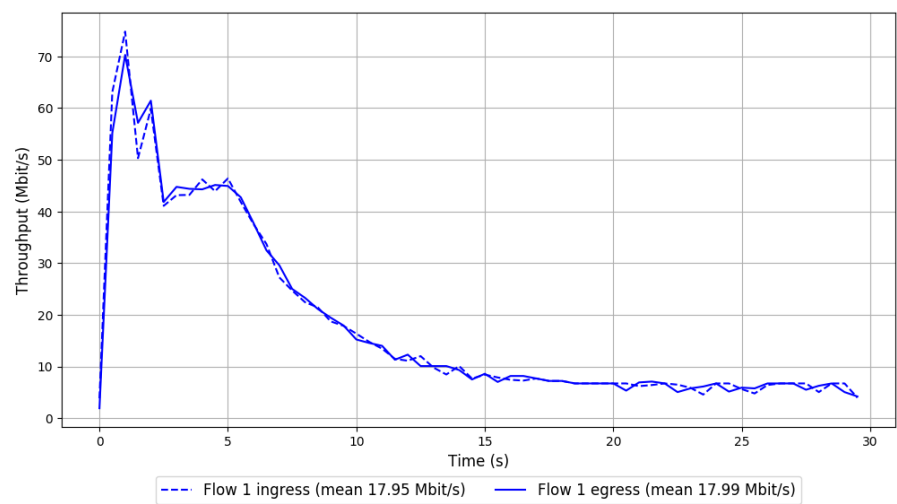
-- Flow 1:

Average throughput: 17.99 Mbit/s

95th percentile per-packet one-way delay: 112.059 ms

Loss rate: 0.18%

Run 8: Report of Indigo-2-256 — Data Link



Run 9: Statistics of Indigo-2-256

Start at: 2018-01-25 08:31:54

End at: 2018-01-25 08:32:24

Local clock offset: 0.737 ms

Remote clock offset: 0.106 ms

Below is generated by plot.py at 2018-01-25 12:27:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.36 Mbit/s

95th percentile per-packet one-way delay: 66.719 ms

Loss rate: 0.10%

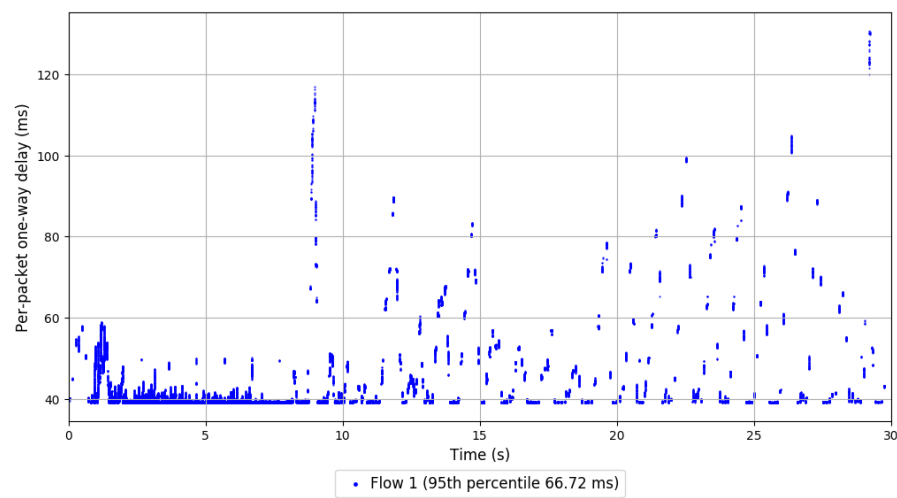
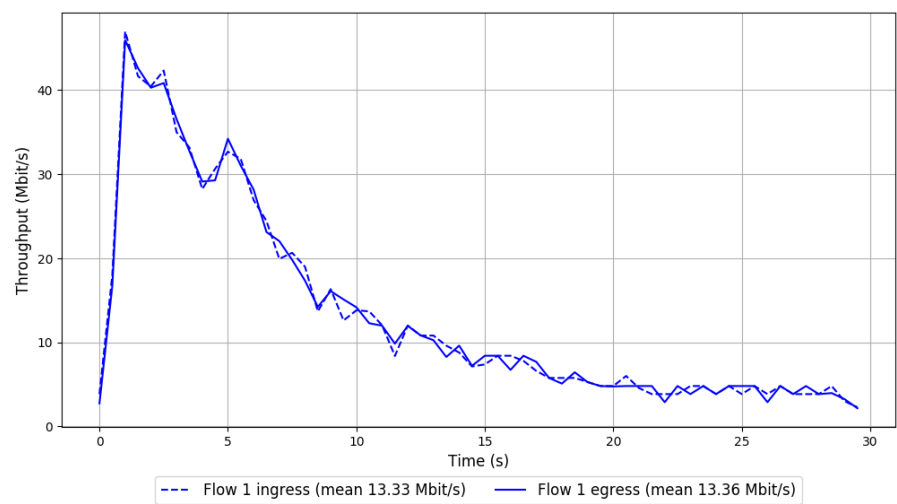
-- Flow 1:

Average throughput: 13.36 Mbit/s

95th percentile per-packet one-way delay: 66.719 ms

Loss rate: 0.10%

Run 9: Report of Indigo-2-256 — Data Link



Run 10: Statistics of Indigo-2-256

Start at: 2018-01-25 08:51:16

End at: 2018-01-25 08:51:46

Local clock offset: 0.001 ms

Remote clock offset: -0.985 ms

Below is generated by plot.py at 2018-01-25 12:27:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.95 Mbit/s

95th percentile per-packet one-way delay: 99.041 ms

Loss rate: 0.18%

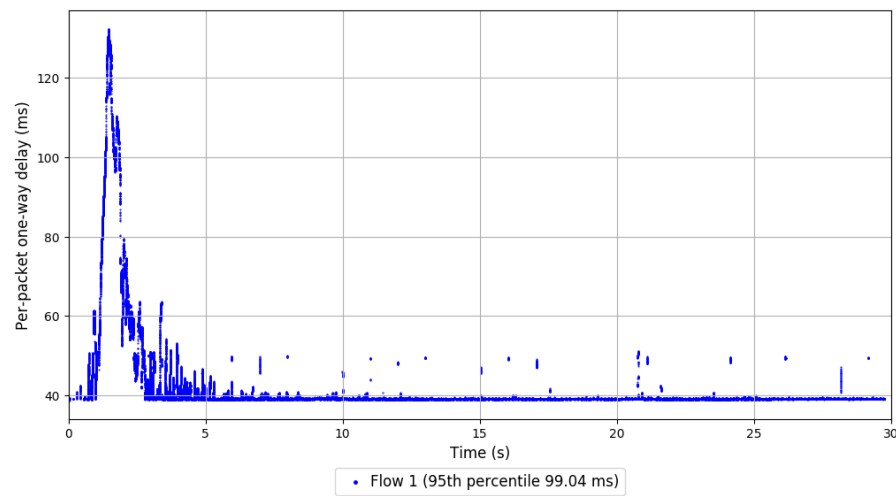
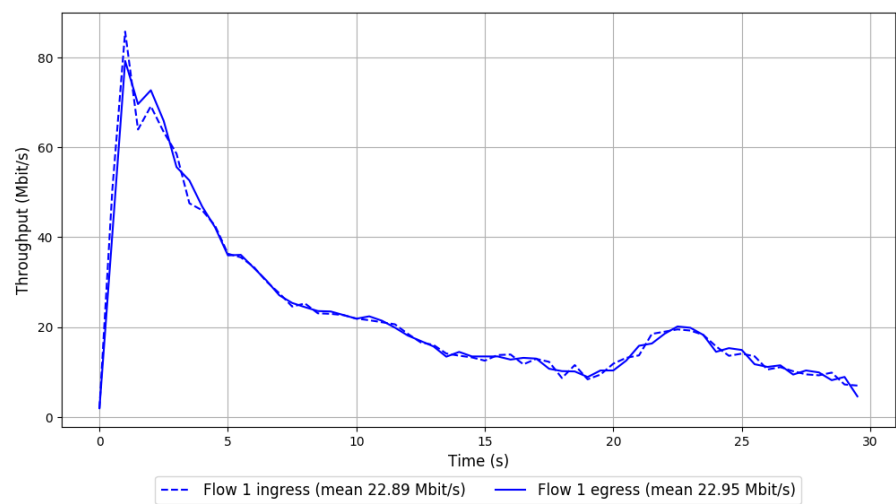
-- Flow 1:

Average throughput: 22.95 Mbit/s

95th percentile per-packet one-way delay: 99.041 ms

Loss rate: 0.18%

Run 10: Report of Indigo-2-256 — Data Link

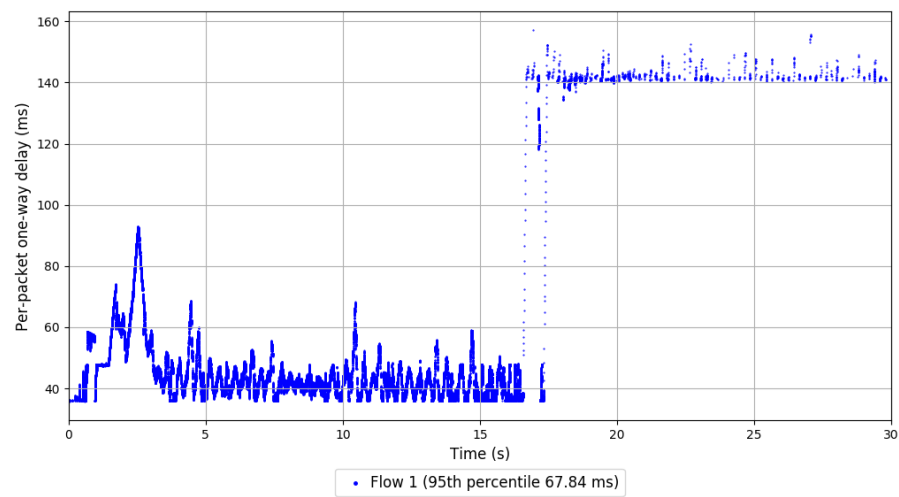
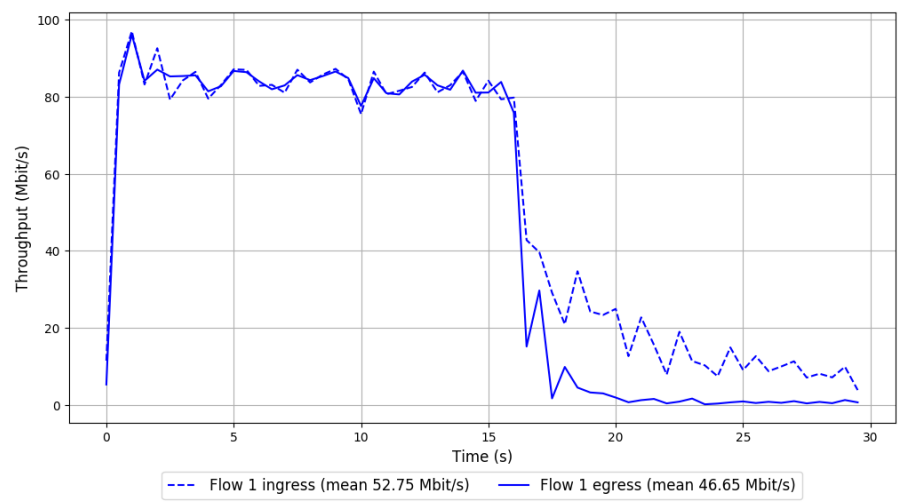


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-01-25 05:41:18
End at: 2018-01-25 05:41:48
Local clock offset: -1.337 ms
Remote clock offset: -3.855 ms

# Below is generated by plot.py at 2018-01-25 12:27:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.65 Mbit/s
95th percentile per-packet one-way delay: 67.845 ms
Loss rate: 11.81%
-- Flow 1:
Average throughput: 46.65 Mbit/s
95th percentile per-packet one-way delay: 67.845 ms
Loss rate: 11.81%
```

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



Run 2: Statistics of Indigo-1-32

Start at: 2018-01-25 06:09:51

End at: 2018-01-25 06:10:21

Local clock offset: 1.5 ms

Remote clock offset: -2.748 ms

Below is generated by plot.py at 2018-01-25 12:27:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.78 Mbit/s

95th percentile per-packet one-way delay: 53.478 ms

Loss rate: 0.26%

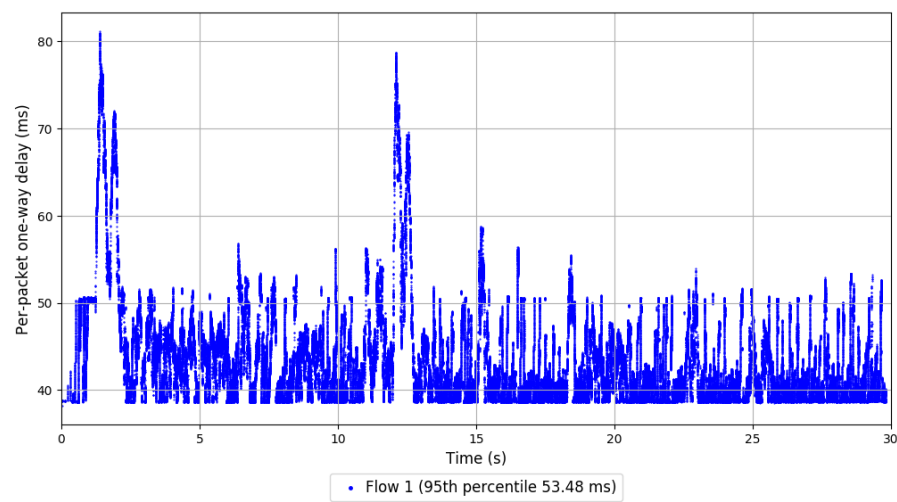
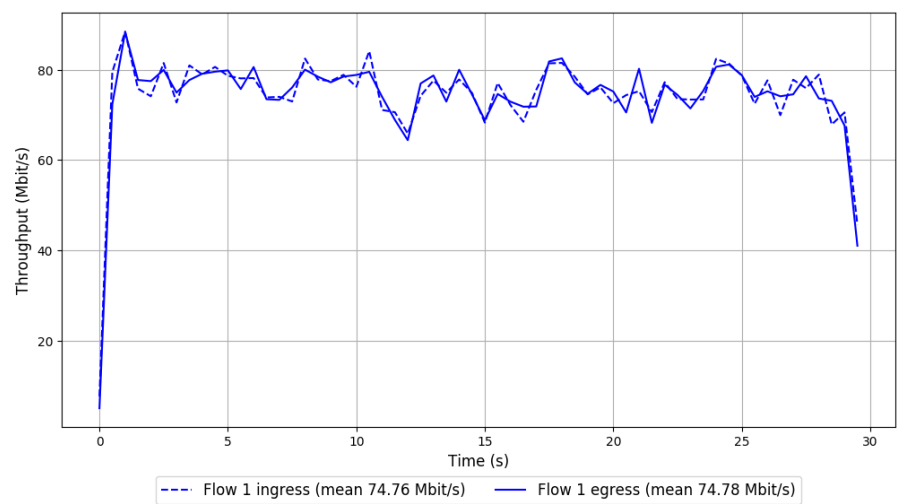
-- Flow 1:

Average throughput: 74.78 Mbit/s

95th percentile per-packet one-way delay: 53.478 ms

Loss rate: 0.26%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-01-25 06:29:00

End at: 2018-01-25 06:29:30

Local clock offset: 1.731 ms

Remote clock offset: -1.689 ms

Below is generated by plot.py at 2018-01-25 12:27:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.71 Mbit/s

95th percentile per-packet one-way delay: 56.034 ms

Loss rate: 0.32%

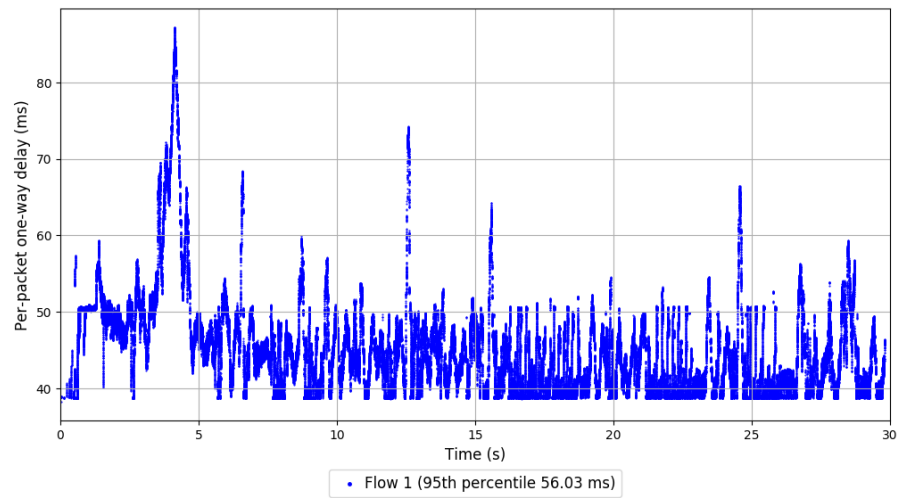
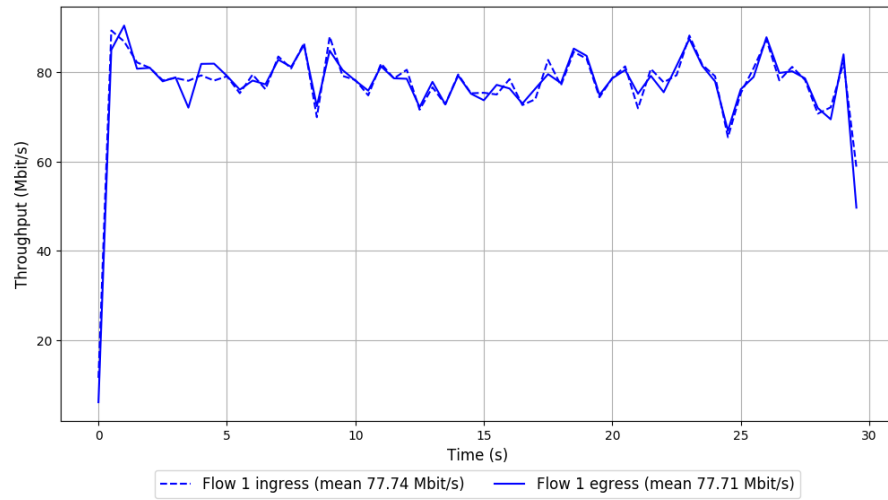
-- Flow 1:

Average throughput: 77.71 Mbit/s

95th percentile per-packet one-way delay: 56.034 ms

Loss rate: 0.32%

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

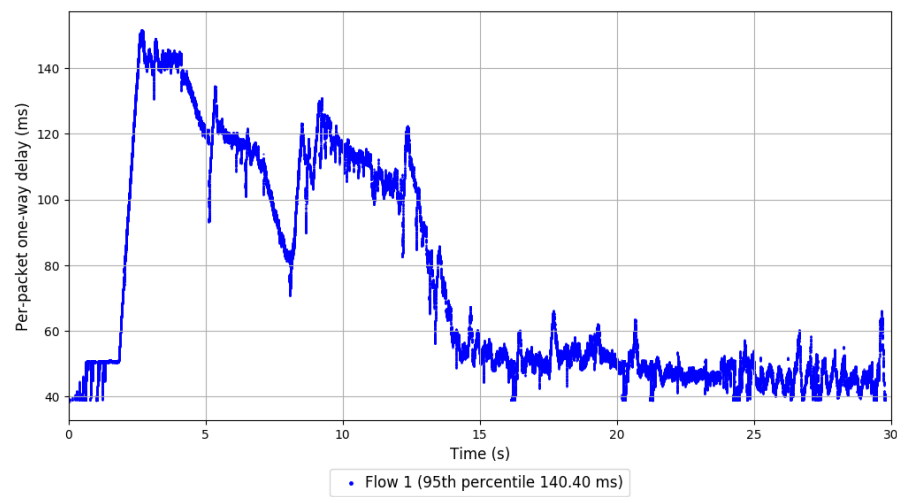
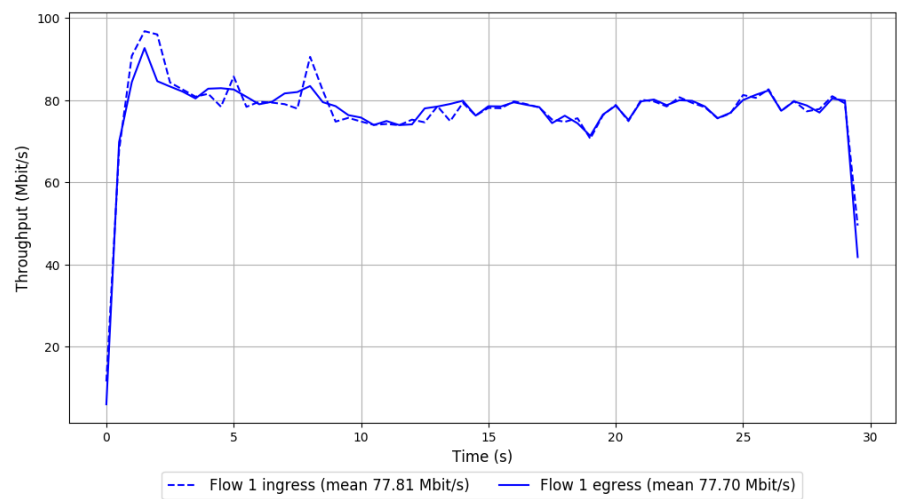


Run 4: Statistics of Indigo-1-32

Start at: 2018-01-25 06:48:11
End at: 2018-01-25 06:48:41
Local clock offset: 1.694 ms
Remote clock offset: -0.495 ms

Below is generated by plot.py at 2018-01-25 12:27:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.70 Mbit/s
95th percentile per-packet one-way delay: 140.402 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 77.70 Mbit/s
95th percentile per-packet one-way delay: 140.402 ms
Loss rate: 0.42%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-01-25 07:07:22

End at: 2018-01-25 07:07:52

Local clock offset: 1.463 ms

Remote clock offset: 0.247 ms

Below is generated by plot.py at 2018-01-25 12:27:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.65 Mbit/s

95th percentile per-packet one-way delay: 116.172 ms

Loss rate: 0.27%

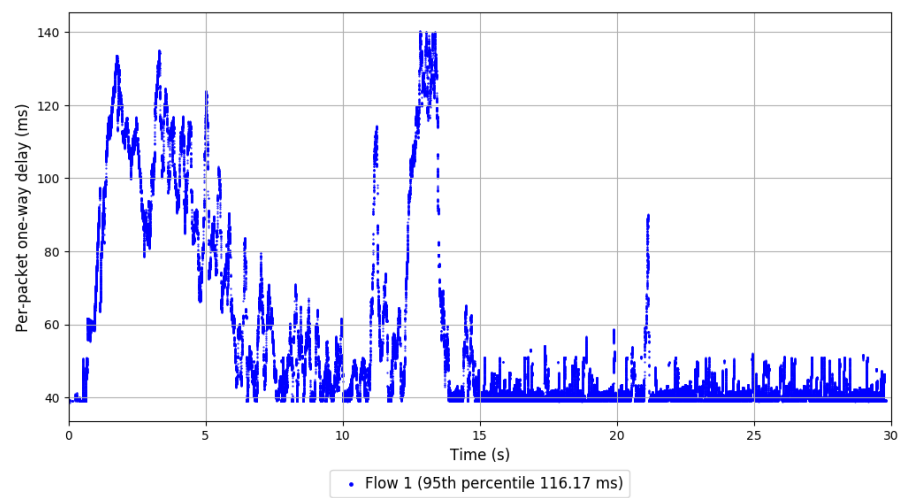
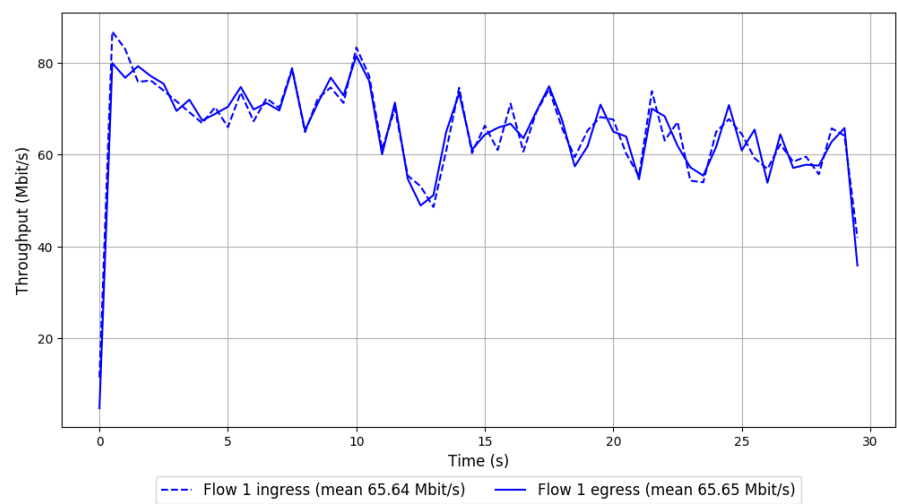
-- Flow 1:

Average throughput: 65.65 Mbit/s

95th percentile per-packet one-way delay: 116.172 ms

Loss rate: 0.27%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-01-25 07:26:24

End at: 2018-01-25 07:26:54

Local clock offset: 0.819 ms

Remote clock offset: 0.951 ms

Below is generated by plot.py at 2018-01-25 12:27:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.16 Mbit/s

95th percentile per-packet one-way delay: 83.511 ms

Loss rate: 0.24%

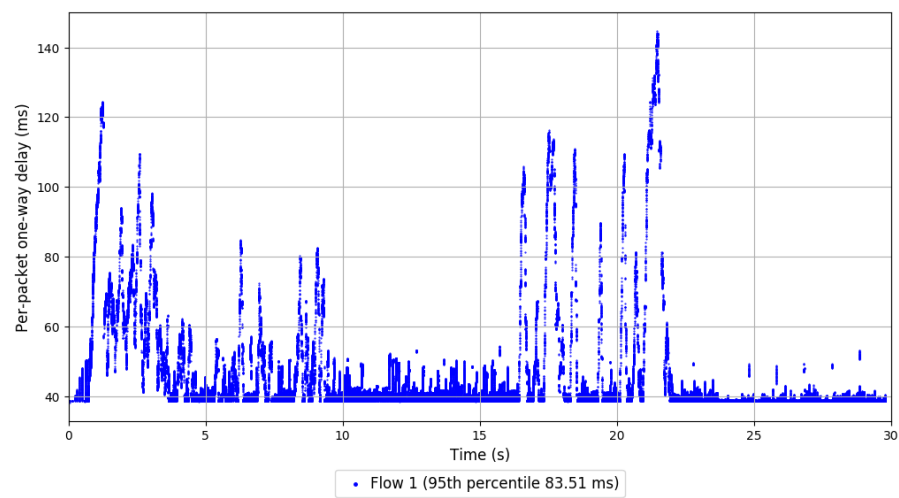
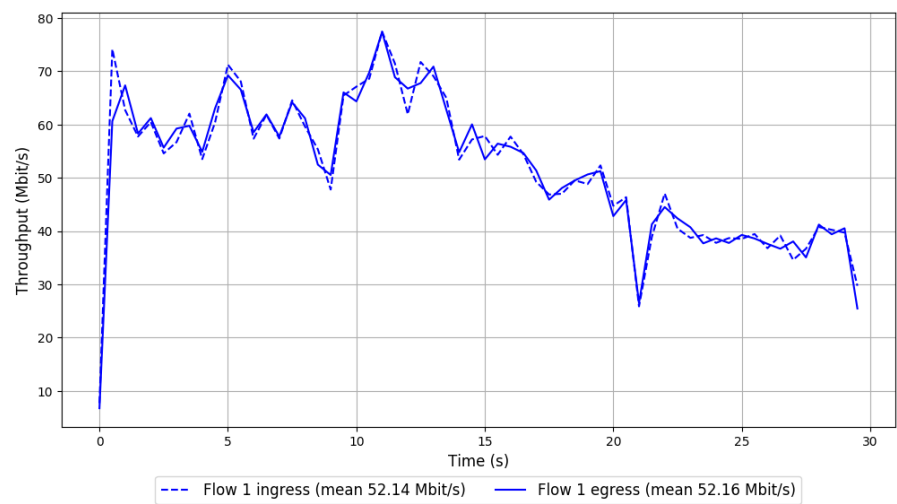
-- Flow 1:

Average throughput: 52.16 Mbit/s

95th percentile per-packet one-way delay: 83.511 ms

Loss rate: 0.24%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-01-25 07:45:23

End at: 2018-01-25 07:45:53

Local clock offset: 1.149 ms

Remote clock offset: -6.511 ms

Below is generated by plot.py at 2018-01-25 12:27:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.52 Mbit/s

95th percentile per-packet one-way delay: 73.588 ms

Loss rate: 0.24%

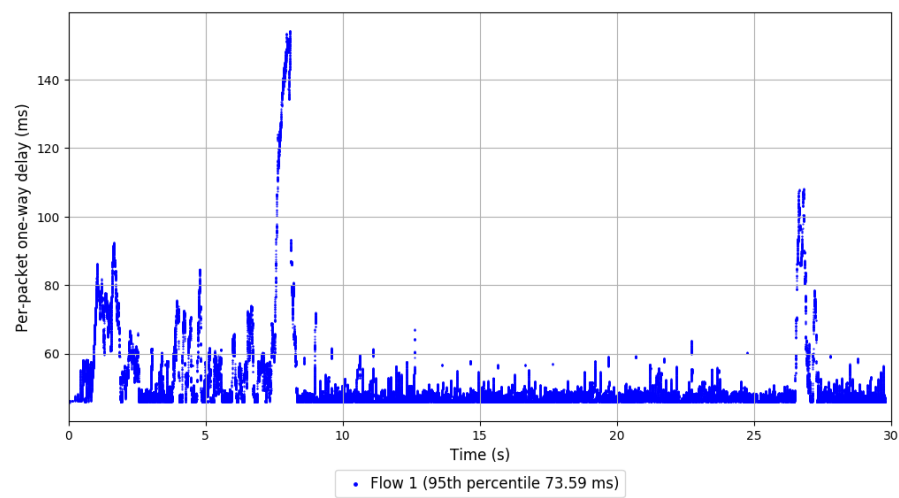
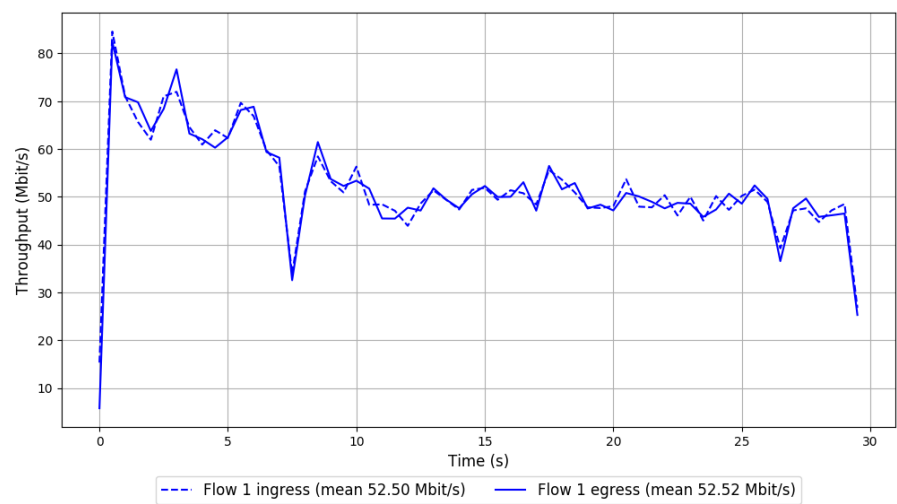
-- Flow 1:

Average throughput: 52.52 Mbit/s

95th percentile per-packet one-way delay: 73.588 ms

Loss rate: 0.24%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-01-25 08:04:29

End at: 2018-01-25 08:04:59

Local clock offset: 1.074 ms

Remote clock offset: 0.736 ms

Below is generated by plot.py at 2018-01-25 12:27:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.92 Mbit/s

95th percentile per-packet one-way delay: 80.248 ms

Loss rate: 0.29%

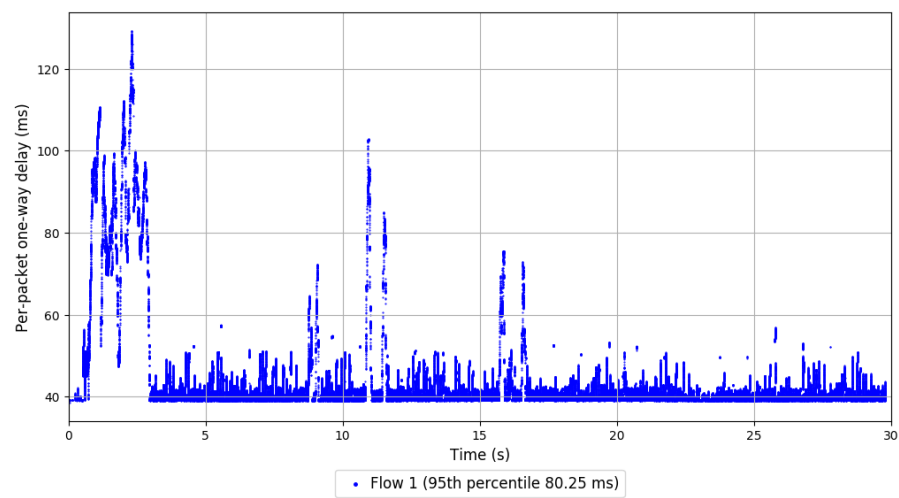
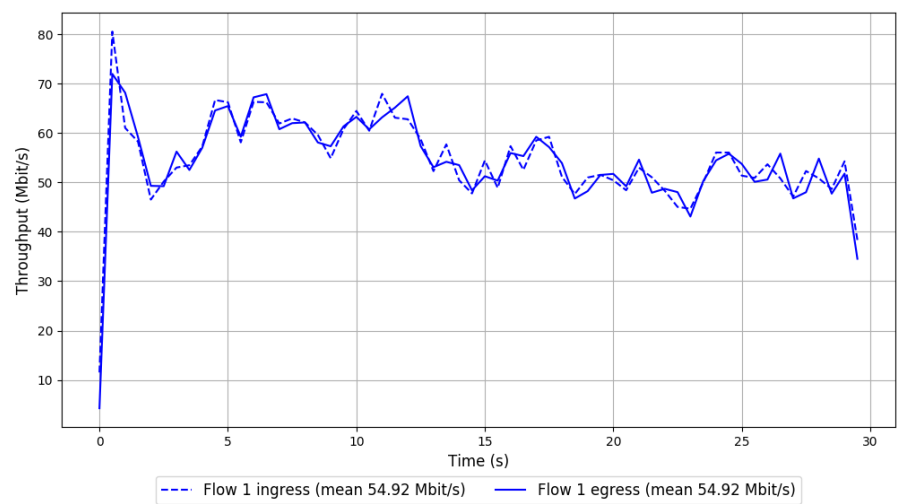
-- Flow 1:

Average throughput: 54.92 Mbit/s

95th percentile per-packet one-way delay: 80.248 ms

Loss rate: 0.29%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-01-25 08:23:38

End at: 2018-01-25 08:24:08

Local clock offset: 0.865 ms

Remote clock offset: 0.58 ms

Below is generated by plot.py at 2018-01-25 12:28:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.45 Mbit/s

95th percentile per-packet one-way delay: 134.639 ms

Loss rate: 0.51%

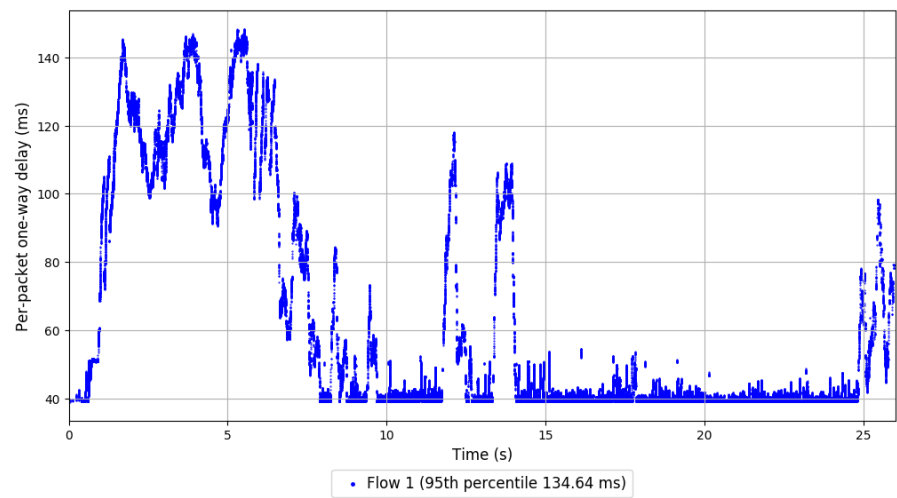
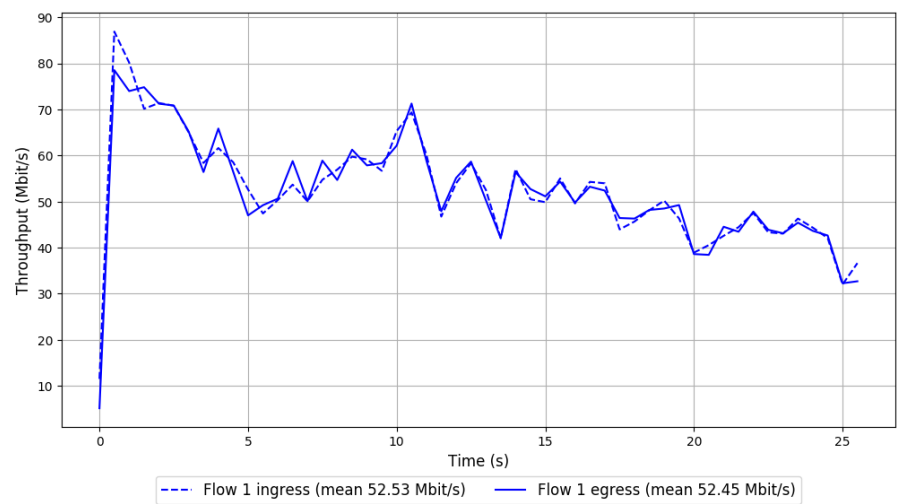
-- Flow 1:

Average throughput: 52.45 Mbit/s

95th percentile per-packet one-way delay: 134.639 ms

Loss rate: 0.51%

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

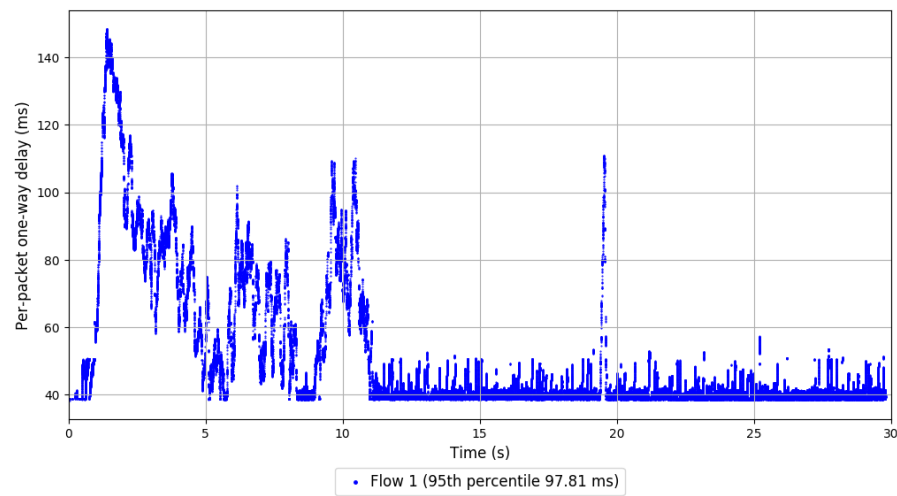
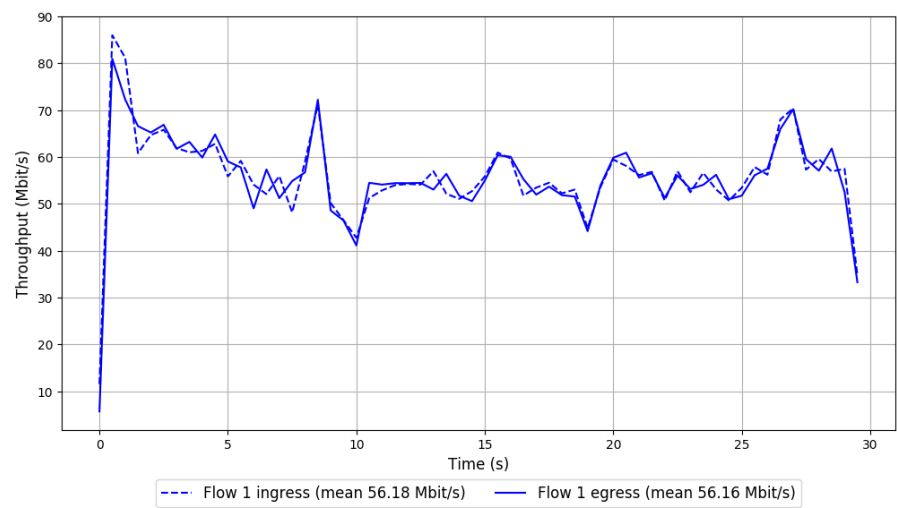


Run 10: Statistics of Indigo-1-32

Start at: 2018-01-25 08:42:32
End at: 2018-01-25 08:43:02
Local clock offset: -0.234 ms
Remote clock offset: -0.479 ms

Below is generated by plot.py at 2018-01-25 12:28:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 56.16 Mbit/s
95th percentile per-packet one-way delay: 97.807 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 56.16 Mbit/s
95th percentile per-packet one-way delay: 97.807 ms
Loss rate: 0.32%

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



Run 1: Statistics of Indigo-1-128

Start at: 2018-01-25 06:08:37

End at: 2018-01-25 06:09:07

Local clock offset: 1.922 ms

Remote clock offset: -2.818 ms

Below is generated by plot.py at 2018-01-25 12:28:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.17 Mbit/s

95th percentile per-packet one-way delay: 50.978 ms

Loss rate: 0.29%

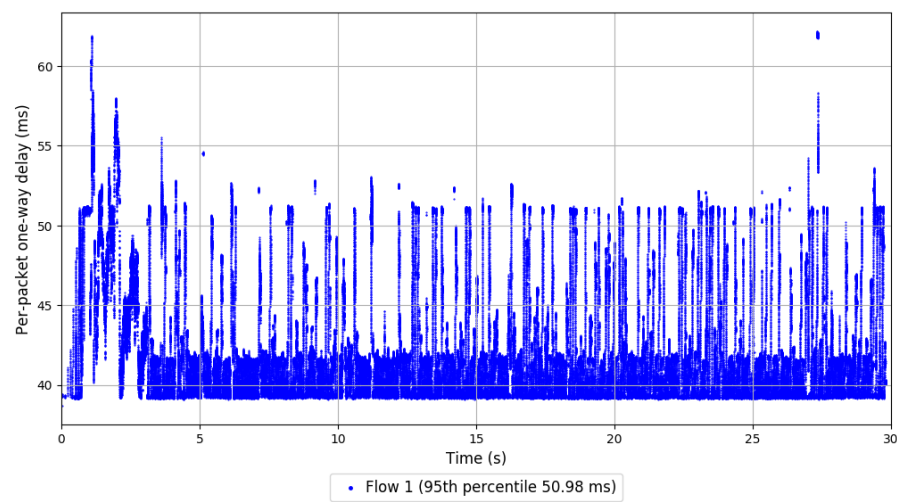
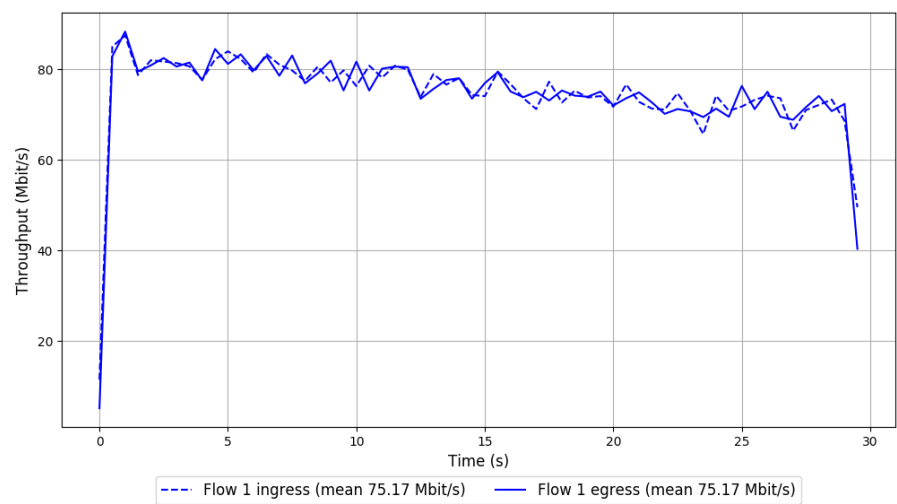
-- Flow 1:

Average throughput: 75.17 Mbit/s

95th percentile per-packet one-way delay: 50.978 ms

Loss rate: 0.29%

Run 1: Report of Indigo-1-128 — Data Link



Run 2: Statistics of Indigo-1-128

Start at: 2018-01-25 06:27:48

End at: 2018-01-25 06:28:18

Local clock offset: 1.81 ms

Remote clock offset: -1.707 ms

Below is generated by plot.py at 2018-01-25 12:28:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.54 Mbit/s

95th percentile per-packet one-way delay: 49.194 ms

Loss rate: 0.29%

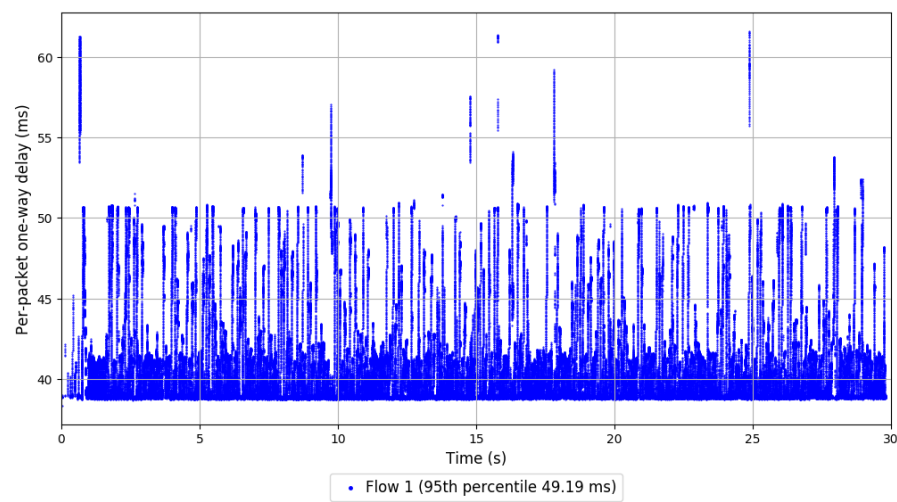
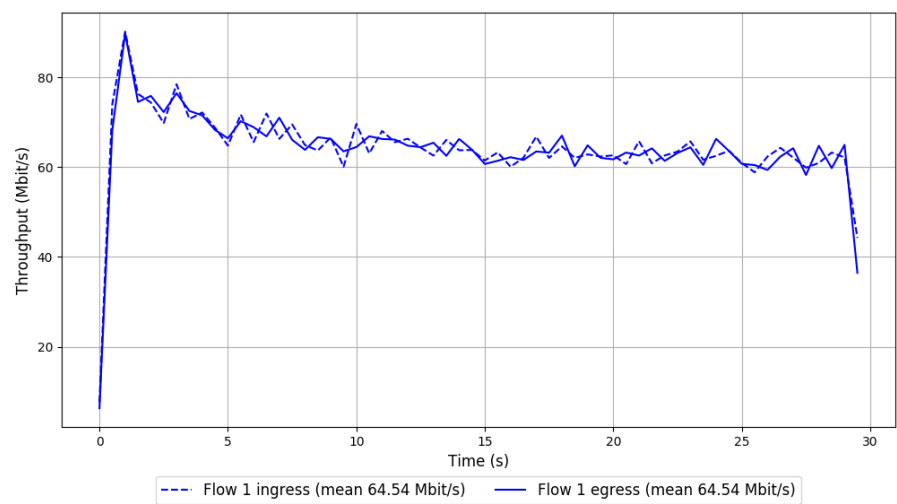
-- Flow 1:

Average throughput: 64.54 Mbit/s

95th percentile per-packet one-way delay: 49.194 ms

Loss rate: 0.29%

Run 2: Report of Indigo-1-128 — Data Link



Run 3: Statistics of Indigo-1-128

Start at: 2018-01-25 06:46:58

End at: 2018-01-25 06:47:28

Local clock offset: 1.594 ms

Remote clock offset: -0.555 ms

Below is generated by plot.py at 2018-01-25 12:28:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.85 Mbit/s

95th percentile per-packet one-way delay: 50.791 ms

Loss rate: 0.30%

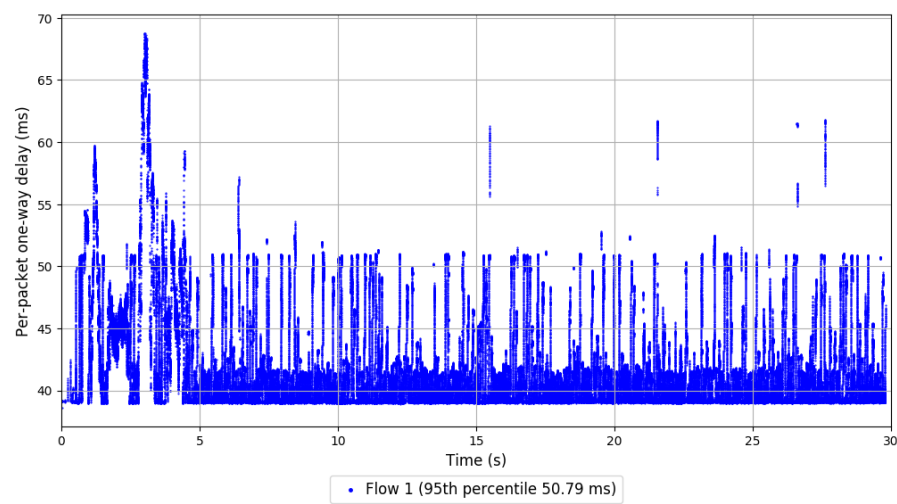
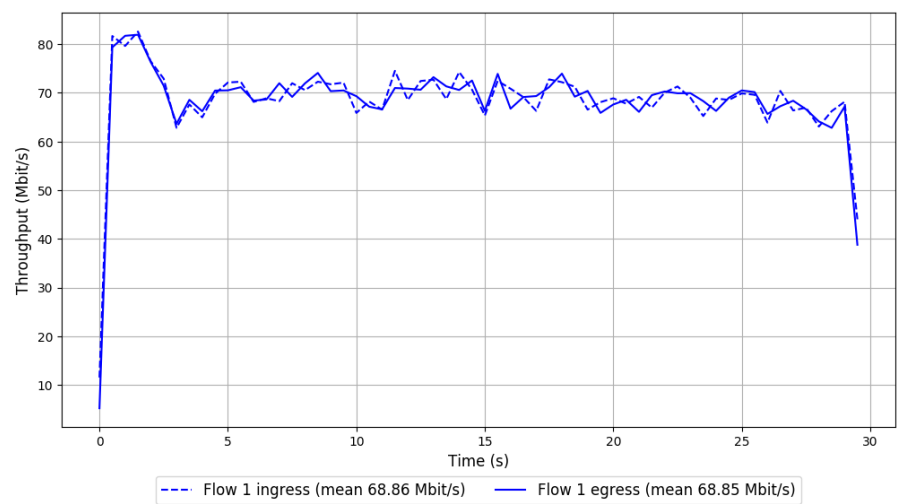
-- Flow 1:

Average throughput: 68.85 Mbit/s

95th percentile per-packet one-way delay: 50.791 ms

Loss rate: 0.30%

Run 3: Report of Indigo-1-128 — Data Link



Run 4: Statistics of Indigo-1-128

Start at: 2018-01-25 07:06:09

End at: 2018-01-25 07:06:39

Local clock offset: 1.562 ms

Remote clock offset: 0.151 ms

Below is generated by plot.py at 2018-01-25 12:28:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.87 Mbit/s

95th percentile per-packet one-way delay: 49.345 ms

Loss rate: 0.28%

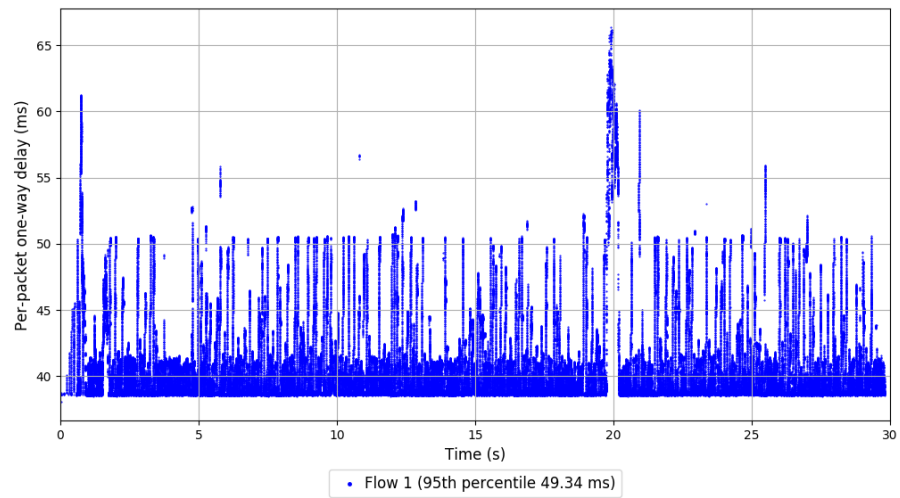
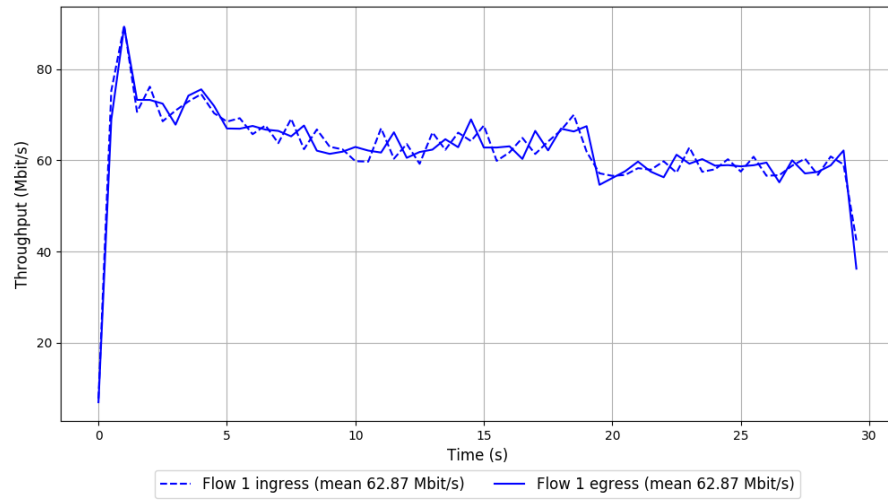
-- Flow 1:

Average throughput: 62.87 Mbit/s

95th percentile per-packet one-way delay: 49.345 ms

Loss rate: 0.28%

Run 4: Report of Indigo-1-128 — Data Link



Run 5: Statistics of Indigo-1-128

Start at: 2018-01-25 07:25:12

End at: 2018-01-25 07:25:42

Local clock offset: 1.428 ms

Remote clock offset: 0.868 ms

Below is generated by plot.py at 2018-01-25 12:28:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.63 Mbit/s

95th percentile per-packet one-way delay: 60.968 ms

Loss rate: 0.32%

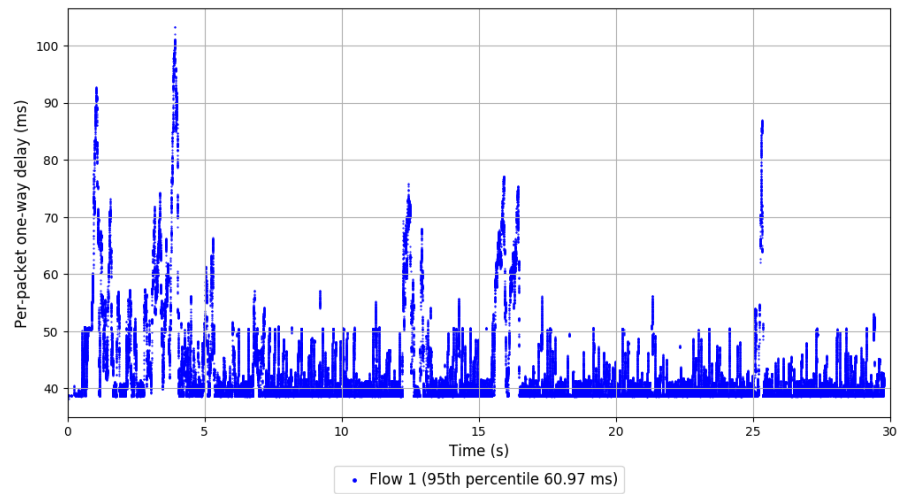
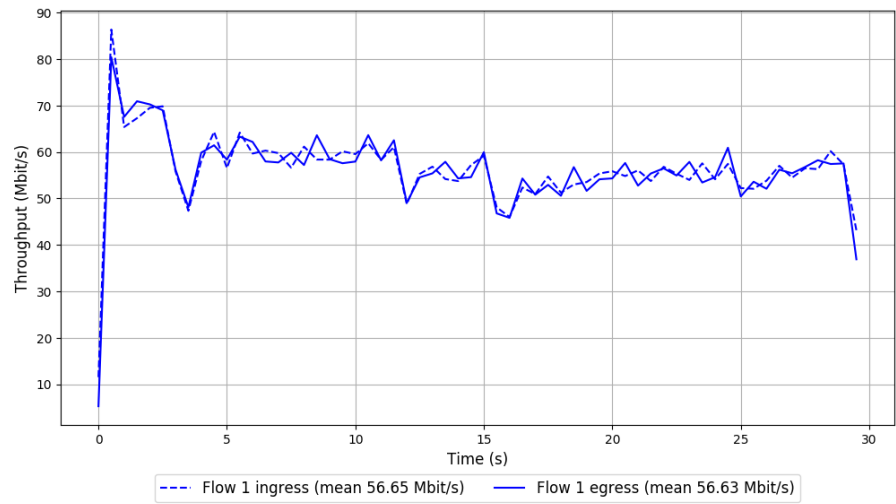
-- Flow 1:

Average throughput: 56.63 Mbit/s

95th percentile per-packet one-way delay: 60.968 ms

Loss rate: 0.32%

Run 5: Report of Indigo-1-128 — Data Link



Run 6: Statistics of Indigo-1-128

Start at: 2018-01-25 07:44:11

End at: 2018-01-25 07:44:41

Local clock offset: 1.317 ms

Remote clock offset: 0.766 ms

Below is generated by plot.py at 2018-01-25 12:28:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.49 Mbit/s

95th percentile per-packet one-way delay: 65.729 ms

Loss rate: 0.30%

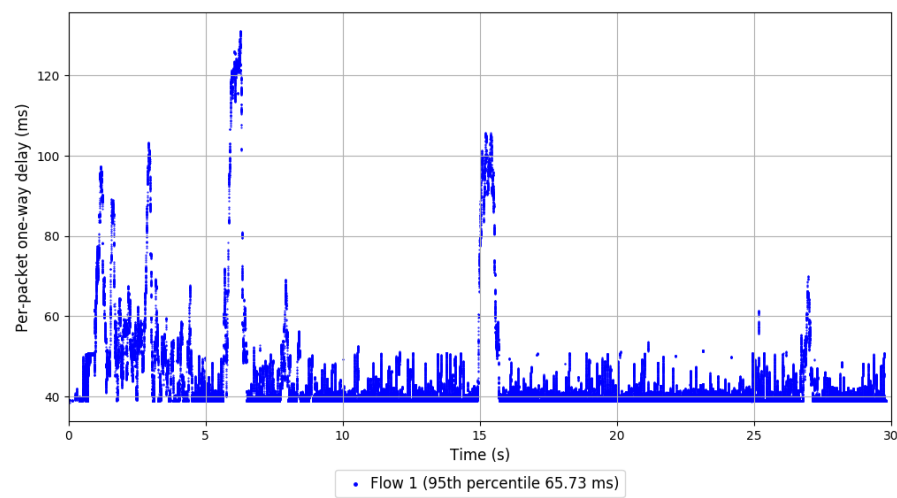
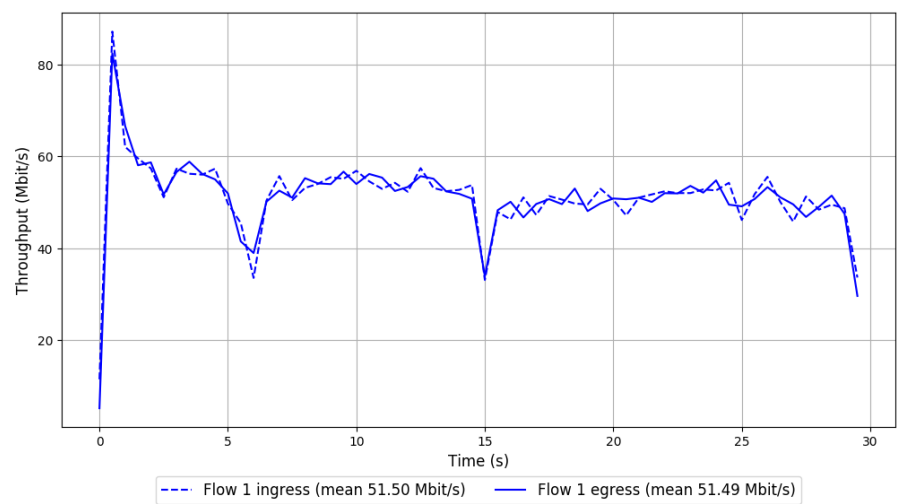
-- Flow 1:

Average throughput: 51.49 Mbit/s

95th percentile per-packet one-way delay: 65.729 ms

Loss rate: 0.30%

Run 6: Report of Indigo-1-128 — Data Link



Run 7: Statistics of Indigo-1-128

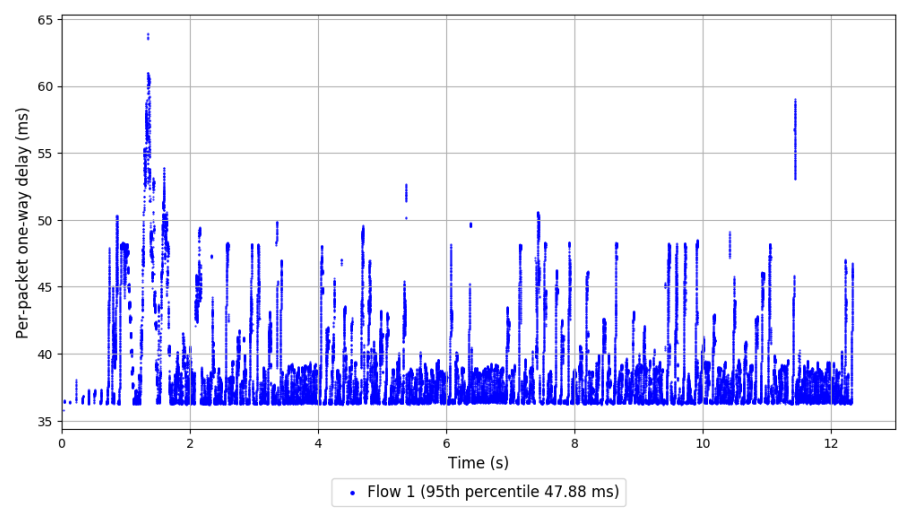
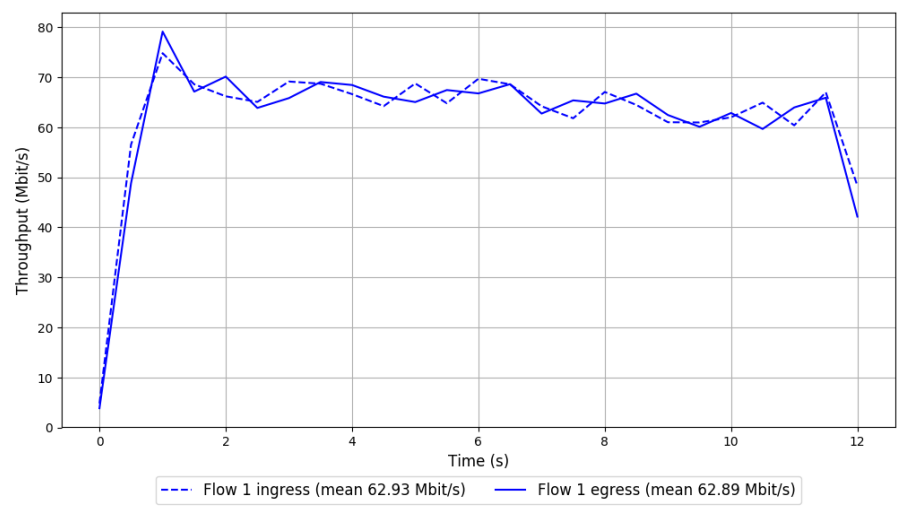
Start at: 2018-01-25 08:03:18

End at: 2018-01-25 08:03:48

Local clock offset: -1.659 ms

Remote clock offset: 0.778 ms

Run 7: Report of Indigo-1-128 — Data Link



Run 8: Statistics of Indigo-1-128

Start at: 2018-01-25 08:22:26

End at: 2018-01-25 08:22:56

Local clock offset: 0.742 ms

Remote clock offset: 0.694 ms

Below is generated by plot.py at 2018-01-25 12:28:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.16 Mbit/s

95th percentile per-packet one-way delay: 46.911 ms

Loss rate: 0.26%

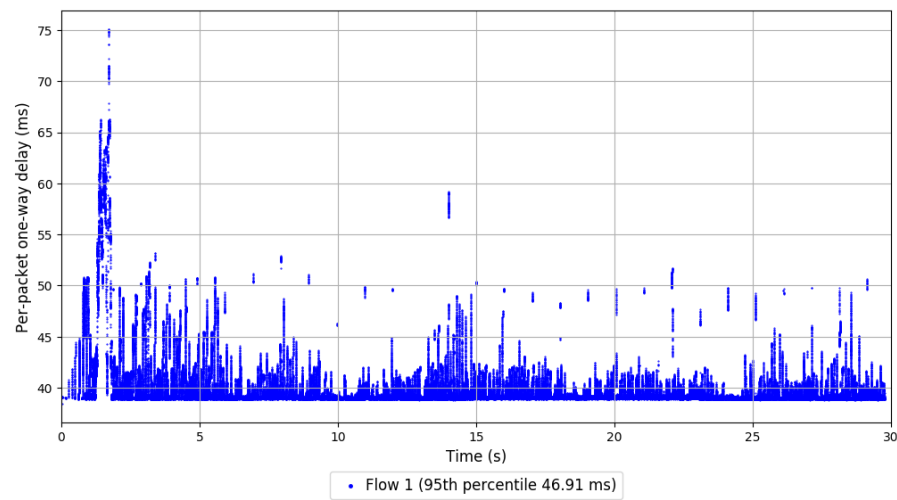
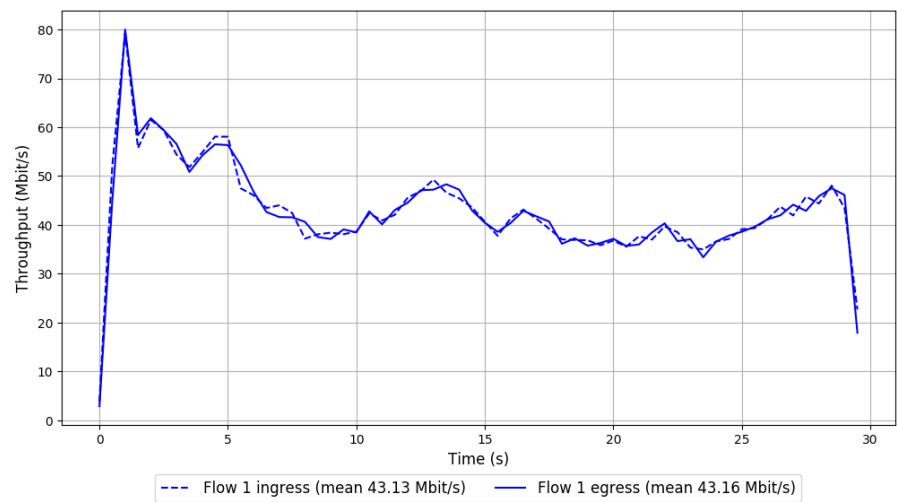
-- Flow 1:

Average throughput: 43.16 Mbit/s

95th percentile per-packet one-way delay: 46.911 ms

Loss rate: 0.26%

Run 8: Report of Indigo-1-128 — Data Link

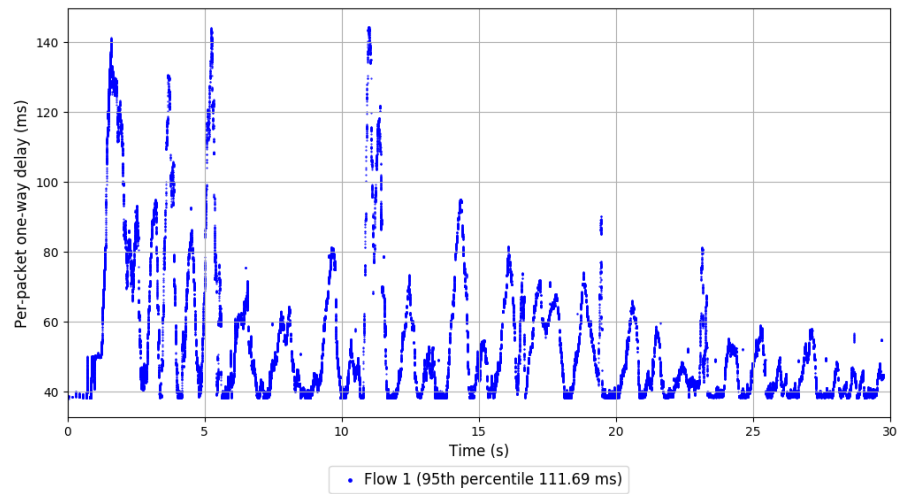
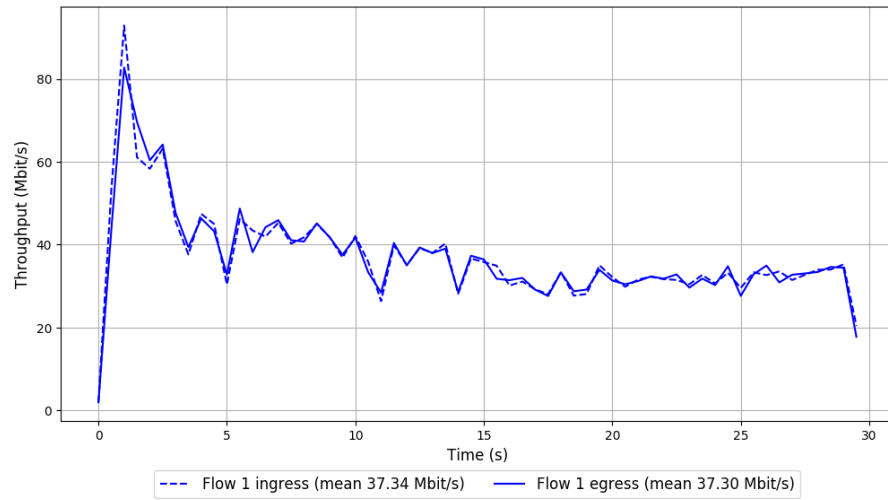


Run 9: Statistics of Indigo-1-128

Start at: 2018-01-25 08:41:21
End at: 2018-01-25 08:41:51
Local clock offset: -0.193 ms
Remote clock offset: -0.434 ms

Below is generated by plot.py at 2018-01-25 12:28:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.30 Mbit/s
95th percentile per-packet one-way delay: 111.688 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 37.30 Mbit/s
95th percentile per-packet one-way delay: 111.688 ms
Loss rate: 0.37%

Run 9: Report of Indigo-1-128 — Data Link



Run 10: Statistics of Indigo-1-128

Start at: 2018-01-25 09:01:03

End at: 2018-01-25 09:01:33

Local clock offset: 0.223 ms

Remote clock offset: -1.333 ms

Below is generated by plot.py at 2018-01-25 12:29:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.21 Mbit/s

95th percentile per-packet one-way delay: 193.205 ms

Loss rate: 2.49%

-- Flow 1:

Average throughput: 52.21 Mbit/s

95th percentile per-packet one-way delay: 193.205 ms

Loss rate: 2.49%

Run 10: Report of Indigo-1-128 — Data Link

