

Pantheon Report

Generated at 2018-04-24 12:21:41 (UTC).

Data path: AWS India 1 Ethernet (*local*) → India Ethernet (*remote*).

Repeated the test of 16 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).

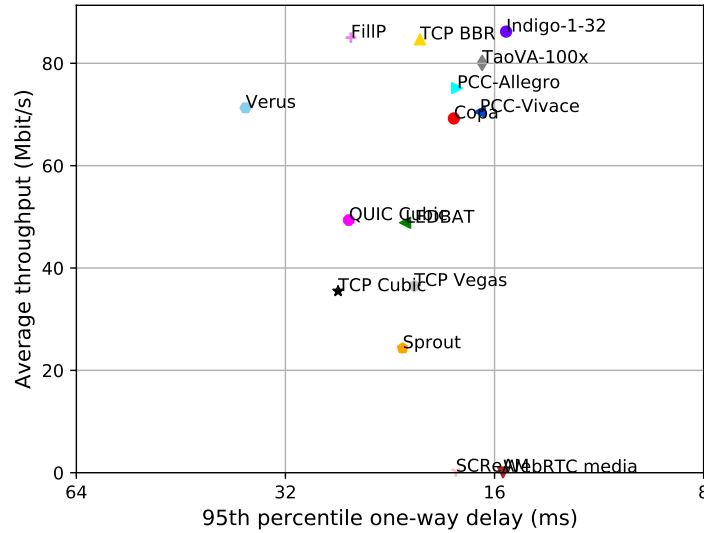
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against **nets.org.sg** and have been applied to correct the timestamps in logs.

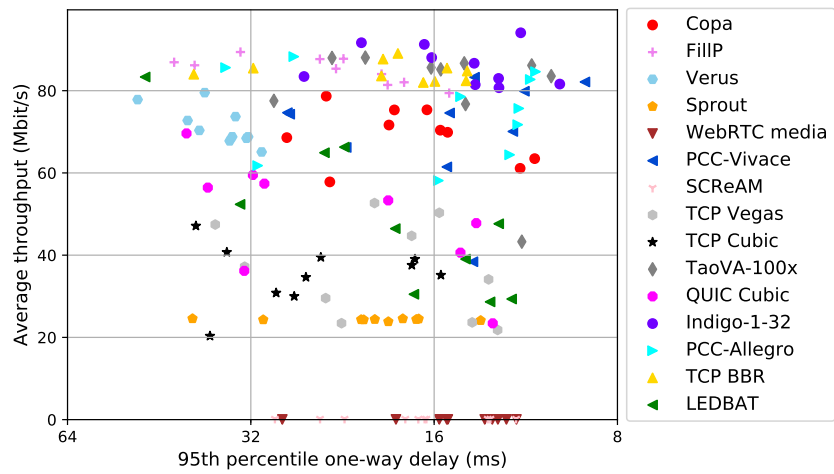
Git summary:

```
branch: master @ 114e807ac1bad7b85168ceb1f8a969063ee6c12c
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 11f8c46a2bf1dc797253db7e8ca04076272b2a44
third_party/genericCC @ d223989828276fa83a807da6e0341dc0c7b89aec
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/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ f271183af822eee5d0031620f4bebf38aedc5581
```

test from AWS India 1 Ethernet to India Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from AWS India 1 Ethernet to India 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	84.67	20.49	5.25
TCP Cubic	10	35.49	26.87	0.20
LEDBAT	10	48.85	21.52	0.10
PCC-Allegro	10	75.15	18.11	4.57
QUIC Cubic	9	49.36	25.93	0.47
SCReAM	10	0.21	18.19	0.01
WebRTC media	10	0.06	15.56	0.04
Sprout	10	24.33	21.70	0.18
TaoVA-100x	10	80.07	16.67	5.14
TCP Vegas	10	36.49	20.88	0.21
Verus	10	71.30	36.52	5.93
Copa	10	69.23	18.31	1.14
FillP	10	85.02	25.76	5.54
Indigo-1-32	10	86.20	15.40	4.44
PCC-Vivace	10	70.49	16.80	3.35
PCC-Expr	0	N/A	N/A	N/A

Run 1: Statistics of TCP BBR

Start at: 2018-04-24 08:25:41

End at: 2018-04-24 08:26:11

Local clock offset: -7.827 ms

Remote clock offset: 3.751 ms

Below is generated by plot.py at 2018-04-24 12:04:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.48 Mbit/s

95th percentile per-packet one-way delay: 31.706 ms

Loss rate: 6.38%

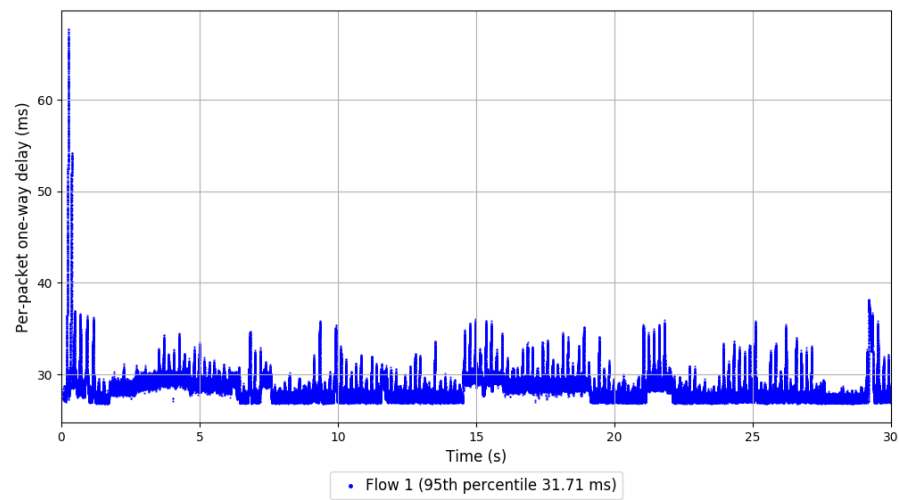
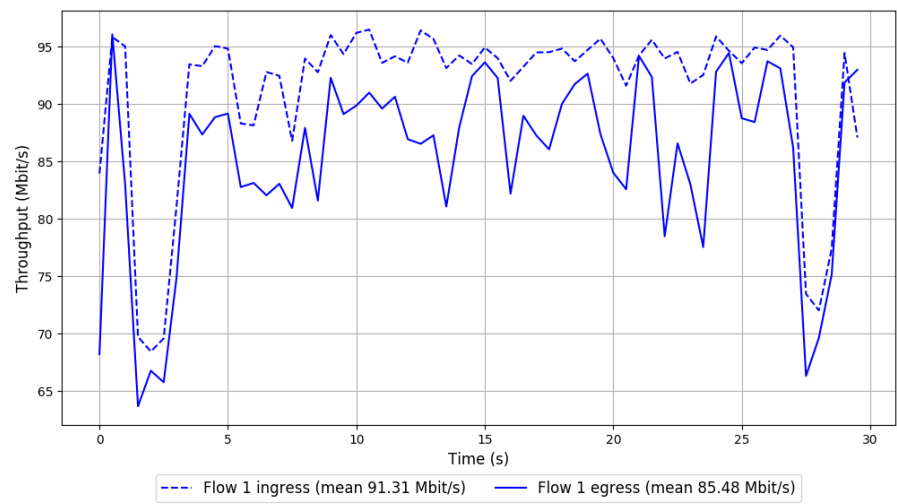
-- Flow 1:

Average throughput: 85.48 Mbit/s

95th percentile per-packet one-way delay: 31.706 ms

Loss rate: 6.38%

Run 1: Report of TCP BBR — Data Link

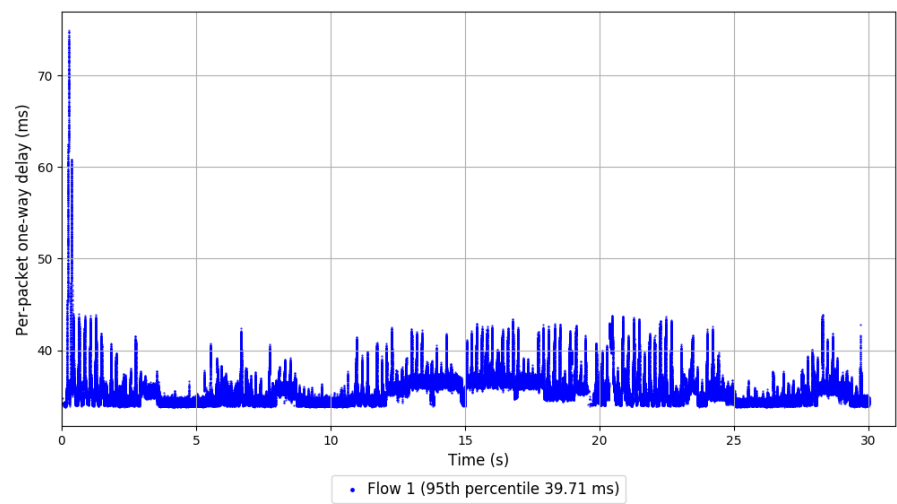
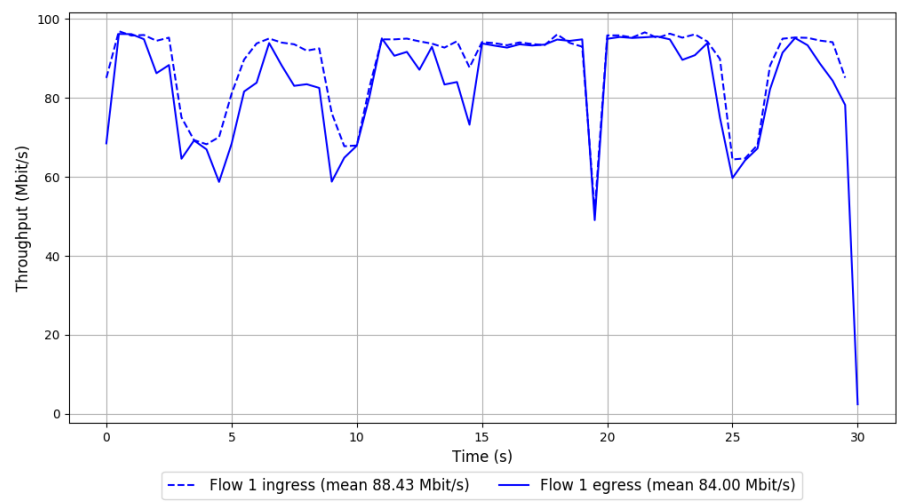


Run 2: Statistics of TCP BBR

Start at: 2018-04-24 08:45:08
End at: 2018-04-24 08:45:38
Local clock offset: -14.163 ms
Remote clock offset: 5.644 ms

Below is generated by plot.py at 2018-04-24 12:04:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.00 Mbit/s
95th percentile per-packet one-way delay: 39.706 ms
Loss rate: 5.02%
-- Flow 1:
Average throughput: 84.00 Mbit/s
95th percentile per-packet one-way delay: 39.706 ms
Loss rate: 5.02%

Run 2: Report of TCP BBR — Data Link

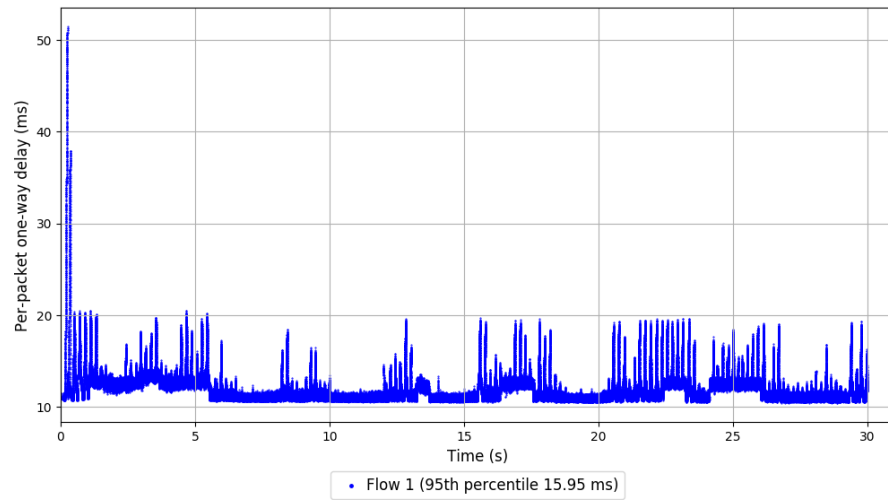
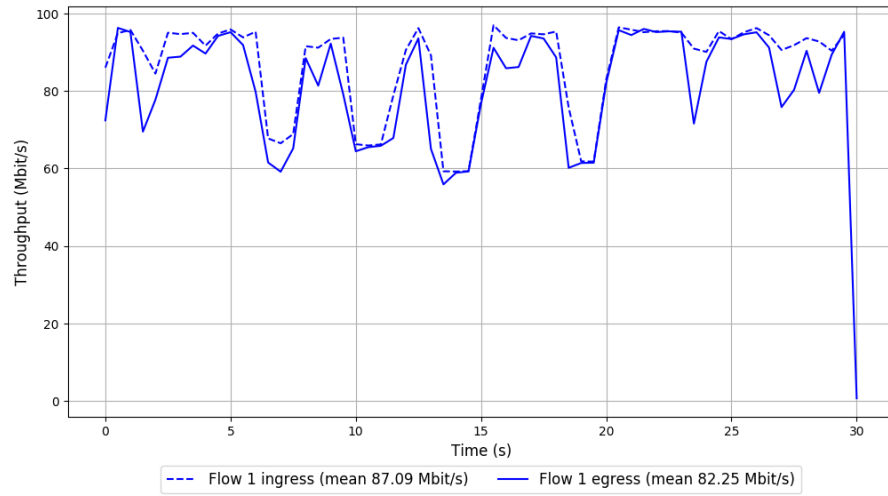


Run 3: Statistics of TCP BBR

Start at: 2018-04-24 09:04:30
End at: 2018-04-24 09:05:00
Local clock offset: -5.068 ms
Remote clock offset: -6.506 ms

Below is generated by plot.py at 2018-04-24 12:04:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.25 Mbit/s
95th percentile per-packet one-way delay: 15.952 ms
Loss rate: 5.55%
-- Flow 1:
Average throughput: 82.25 Mbit/s
95th percentile per-packet one-way delay: 15.952 ms
Loss rate: 5.55%

Run 3: Report of TCP BBR — Data Link

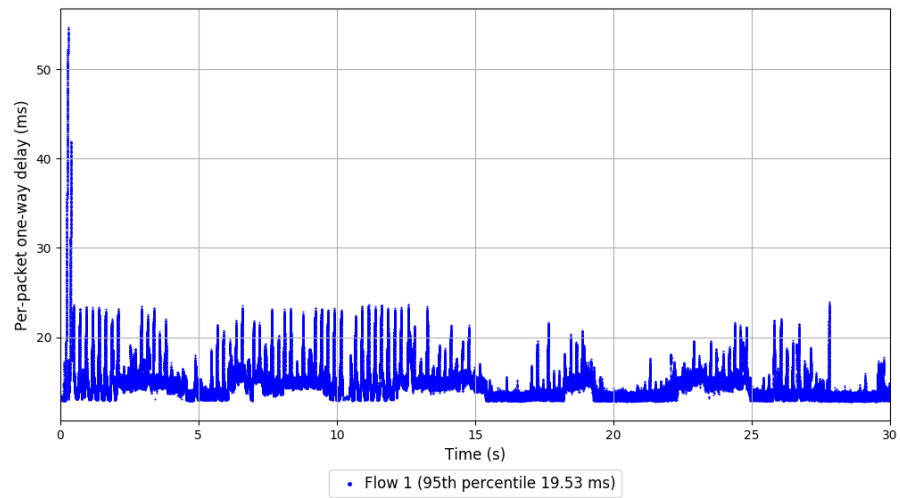
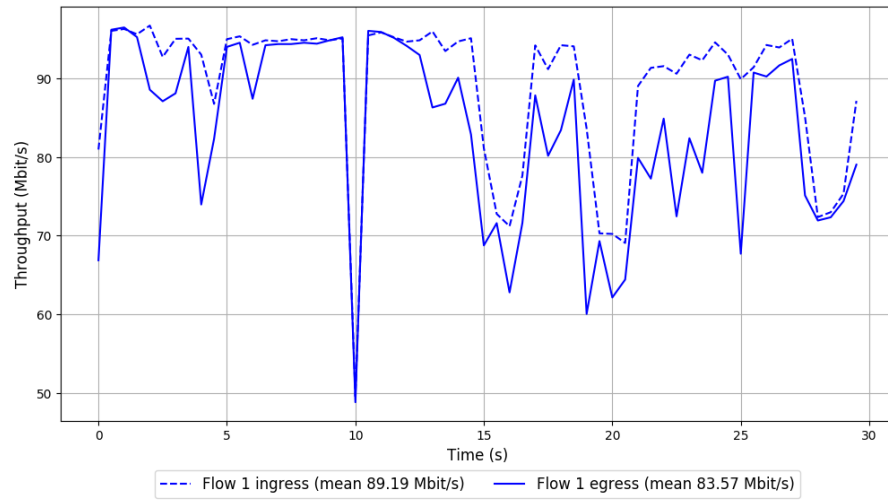


Run 4: Statistics of TCP BBR

Start at: 2018-04-24 09:24:06
End at: 2018-04-24 09:24:36
Local clock offset: -8.548 ms
Remote clock offset: -3.978 ms

Below is generated by plot.py at 2018-04-24 12:04:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.57 Mbit/s
95th percentile per-packet one-way delay: 19.528 ms
Loss rate: 6.30%
-- Flow 1:
Average throughput: 83.57 Mbit/s
95th percentile per-packet one-way delay: 19.528 ms
Loss rate: 6.30%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-04-24 09:43:44

End at: 2018-04-24 09:44:14

Local clock offset: -6.562 ms

Remote clock offset: 5.449 ms

Below is generated by plot.py at 2018-04-24 12:04:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.00 Mbit/s

95th percentile per-packet one-way delay: 16.668 ms

Loss rate: 5.02%

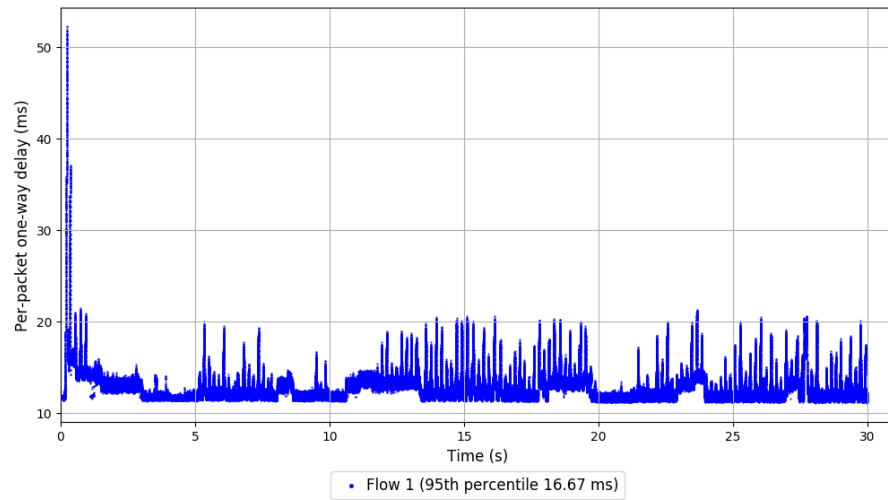
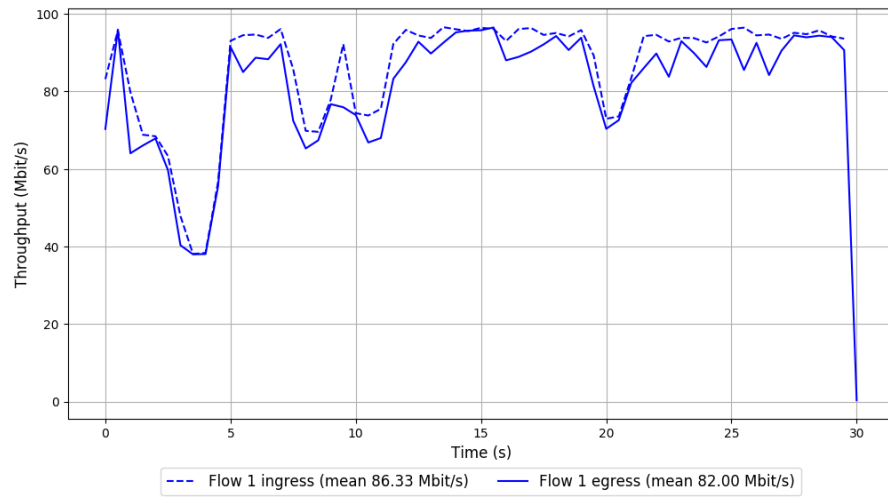
-- Flow 1:

Average throughput: 82.00 Mbit/s

95th percentile per-packet one-way delay: 16.668 ms

Loss rate: 5.02%

Run 5: Report of TCP BBR — Data Link

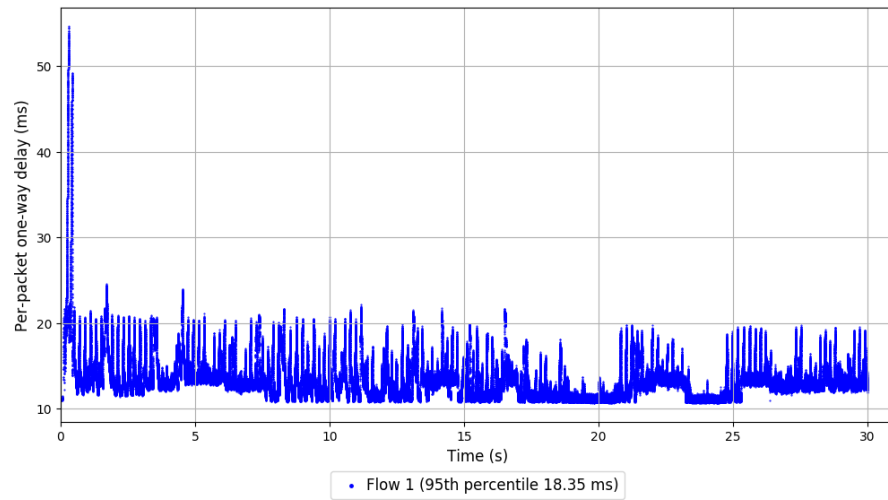
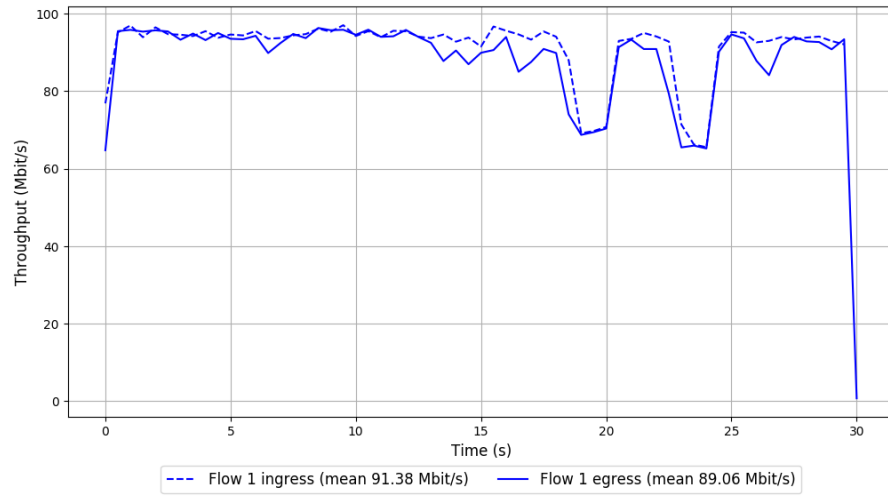


Run 6: Statistics of TCP BBR

Start at: 2018-04-24 10:03:14
End at: 2018-04-24 10:03:44
Local clock offset: -5.386 ms
Remote clock offset: 13.579 ms

Below is generated by plot.py at 2018-04-24 12:04:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.06 Mbit/s
95th percentile per-packet one-way delay: 18.349 ms
Loss rate: 2.53%
-- Flow 1:
Average throughput: 89.06 Mbit/s
95th percentile per-packet one-way delay: 18.349 ms
Loss rate: 2.53%

Run 6: Report of TCP BBR — Data Link

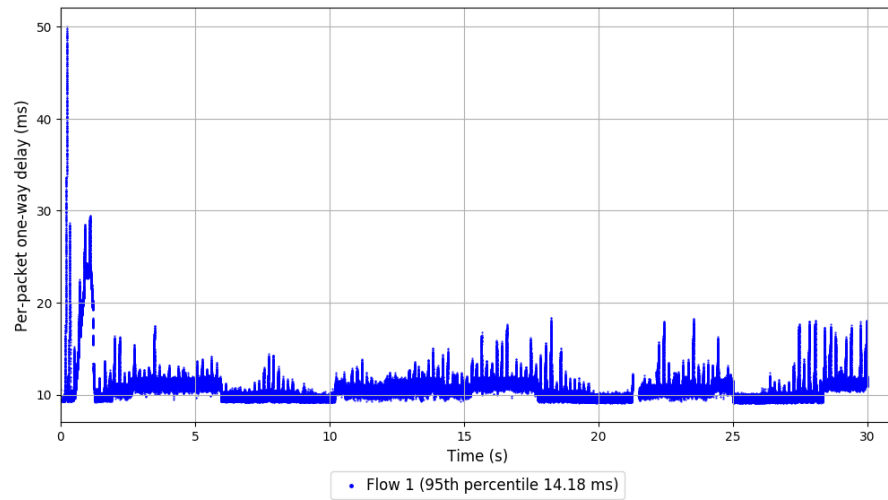
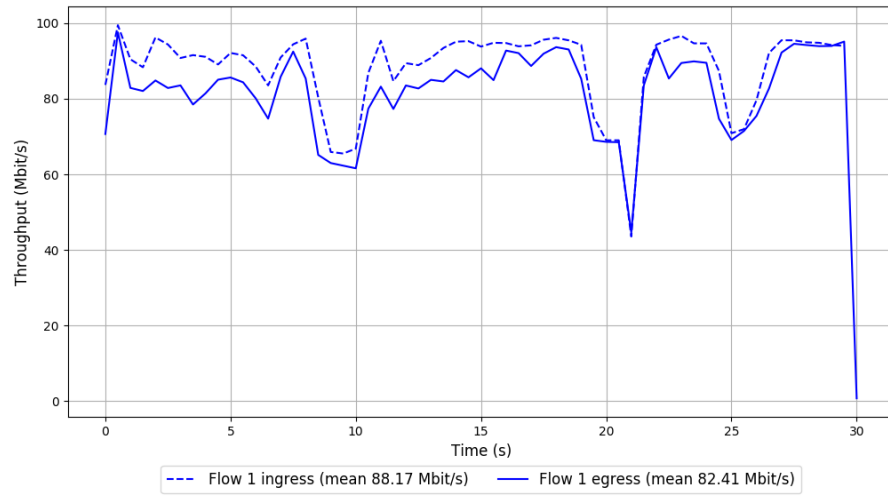


Run 7: Statistics of TCP BBR

Start at: 2018-04-24 10:22:42
End at: 2018-04-24 10:23:12
Local clock offset: -3.707 ms
Remote clock offset: 19.957 ms

Below is generated by plot.py at 2018-04-24 12:04:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.41 Mbit/s
95th percentile per-packet one-way delay: 14.179 ms
Loss rate: 6.53%
-- Flow 1:
Average throughput: 82.41 Mbit/s
95th percentile per-packet one-way delay: 14.179 ms
Loss rate: 6.53%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-04-24 10:42:13

End at: 2018-04-24 10:42:43

Local clock offset: -5.199 ms

Remote clock offset: 26.83 ms

Below is generated by plot.py at 2018-04-24 12:04:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.69 Mbit/s

95th percentile per-packet one-way delay: 19.408 ms

Loss rate: 3.51%

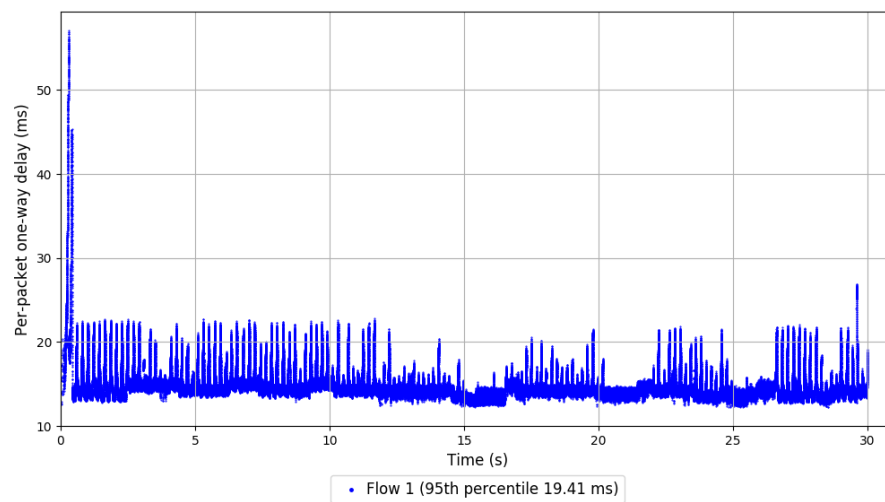
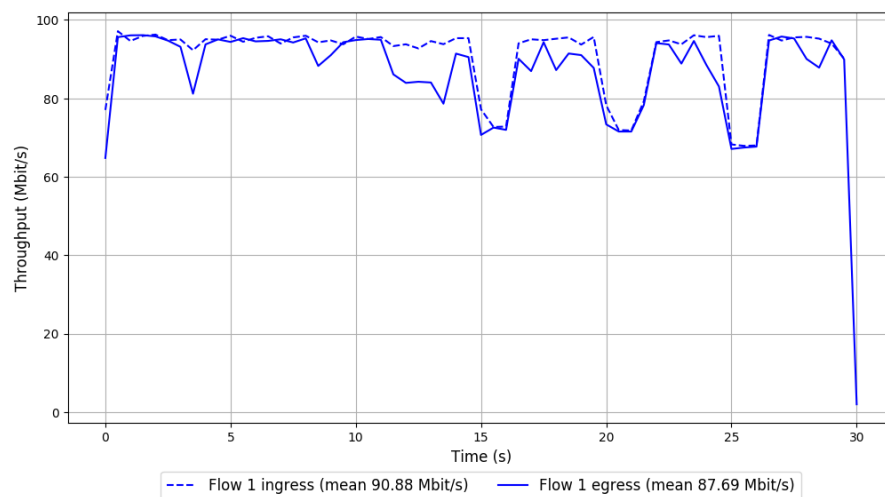
-- Flow 1:

Average throughput: 87.69 Mbit/s

95th percentile per-packet one-way delay: 19.408 ms

Loss rate: 3.51%

Run 8: Report of TCP BBR — Data Link

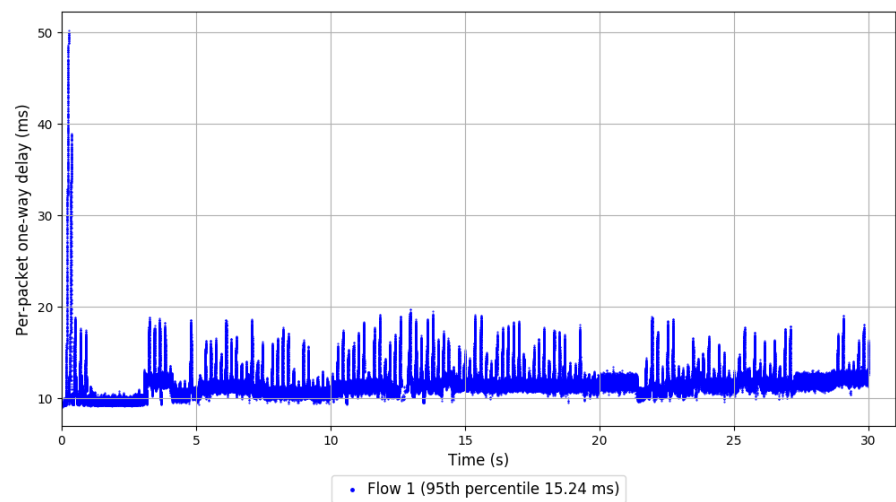
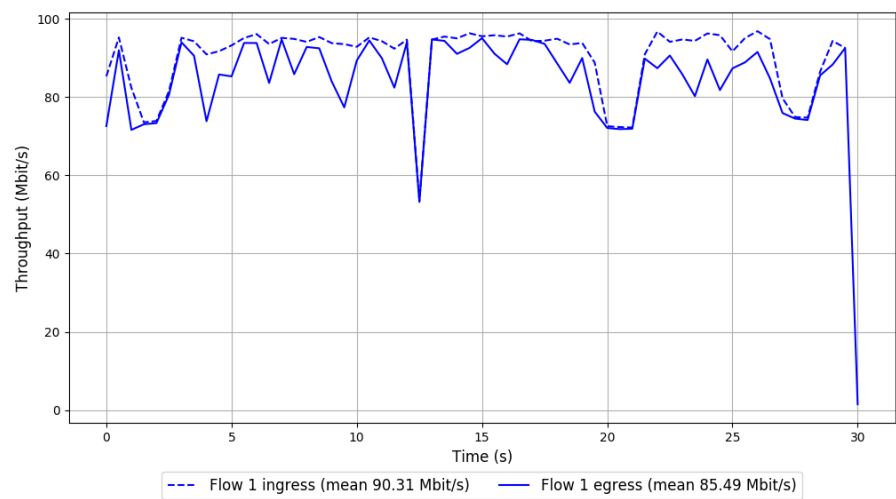


Run 9: Statistics of TCP BBR

Start at: 2018-04-24 11:01:50
End at: 2018-04-24 11:02:20
Local clock offset: -5.191 ms
Remote clock offset: -9.615 ms

Below is generated by plot.py at 2018-04-24 12:05:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.49 Mbit/s
95th percentile per-packet one-way delay: 15.240 ms
Loss rate: 5.32%
-- Flow 1:
Average throughput: 85.49 Mbit/s
95th percentile per-packet one-way delay: 15.240 ms
Loss rate: 5.32%

Run 9: Report of TCP BBR — Data Link

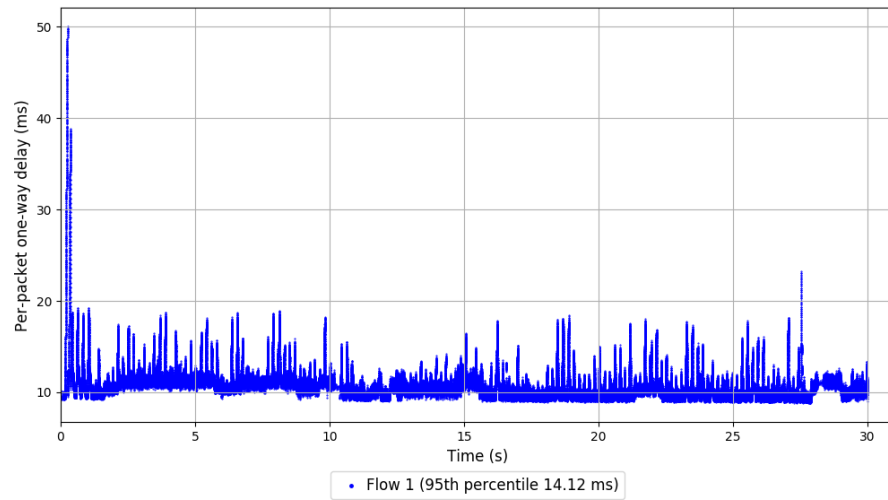
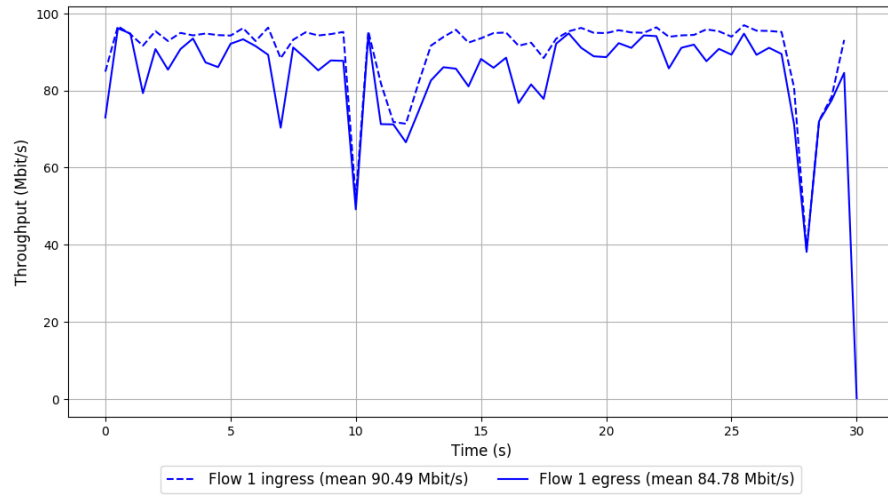


Run 10: Statistics of TCP BBR

Start at: 2018-04-24 11:21:22
End at: 2018-04-24 11:21:52
Local clock offset: -4.751 ms
Remote clock offset: -12.955 ms

Below is generated by plot.py at 2018-04-24 12:05:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.78 Mbit/s
95th percentile per-packet one-way delay: 14.120 ms
Loss rate: 6.31%
-- Flow 1:
Average throughput: 84.78 Mbit/s
95th percentile per-packet one-way delay: 14.120 ms
Loss rate: 6.31%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-04-24 08:24:33

End at: 2018-04-24 08:25:03

Local clock offset: -4.923 ms

Remote clock offset: 4.877 ms

Below is generated by plot.py at 2018-04-24 12:05:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.12 Mbit/s

95th percentile per-packet one-way delay: 39.385 ms

Loss rate: 0.32%

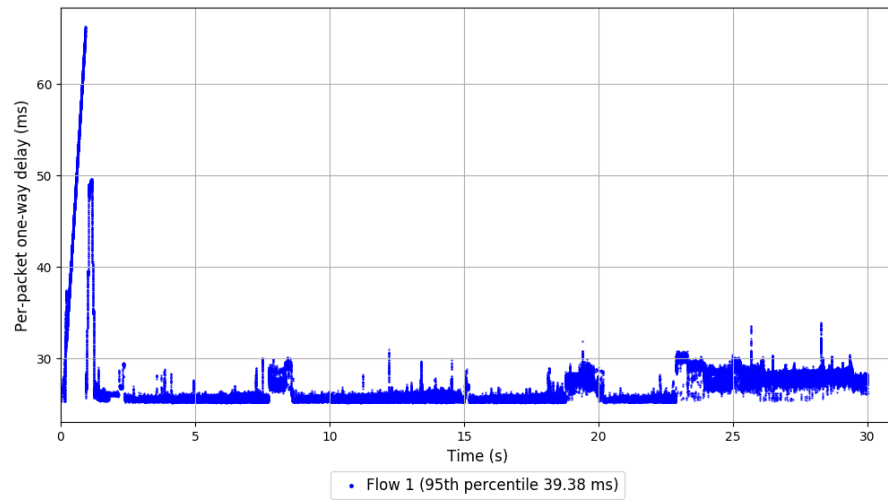
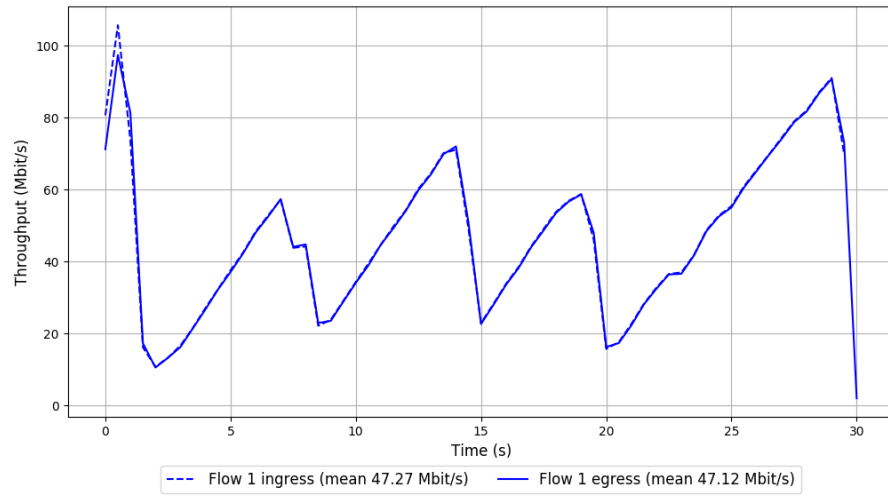
-- Flow 1:

Average throughput: 47.12 Mbit/s

95th percentile per-packet one-way delay: 39.385 ms

Loss rate: 0.32%

Run 1: Report of TCP Cubic — Data Link

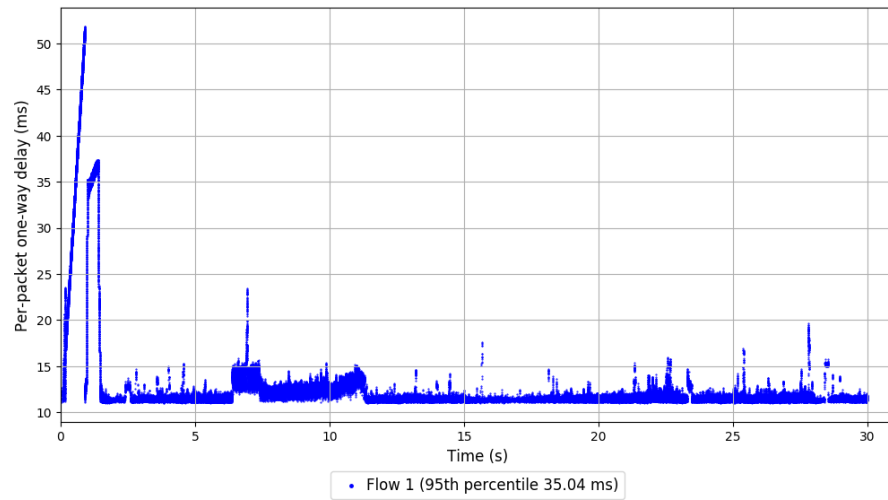
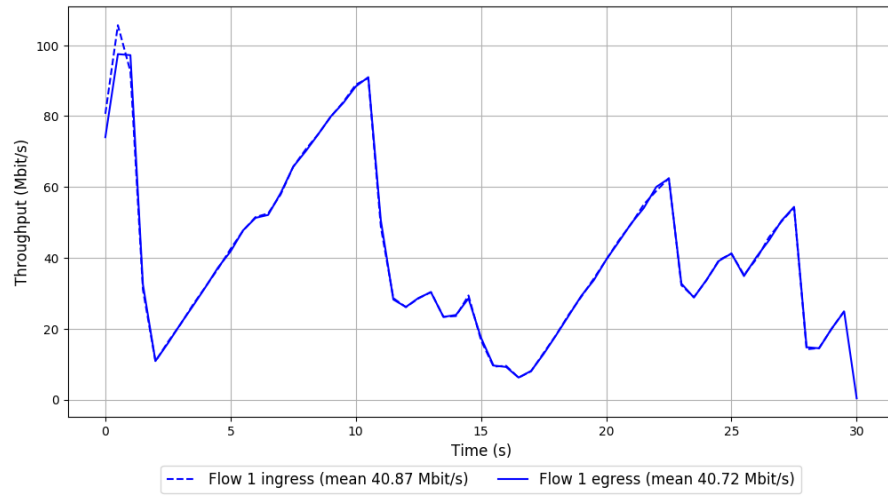


Run 2: Statistics of TCP Cubic

Start at: 2018-04-24 08:44:01
End at: 2018-04-24 08:44:31
Local clock offset: -4.928 ms
Remote clock offset: -7.887 ms

Below is generated by plot.py at 2018-04-24 12:05:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.72 Mbit/s
95th percentile per-packet one-way delay: 35.039 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 40.72 Mbit/s
95th percentile per-packet one-way delay: 35.039 ms
Loss rate: 0.37%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-04-24 09:03:22

End at: 2018-04-24 09:03:52

Local clock offset: -7.16 ms

Remote clock offset: -6.203 ms

Below is generated by plot.py at 2018-04-24 12:05:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.82 Mbit/s

95th percentile per-packet one-way delay: 29.078 ms

Loss rate: 0.07%

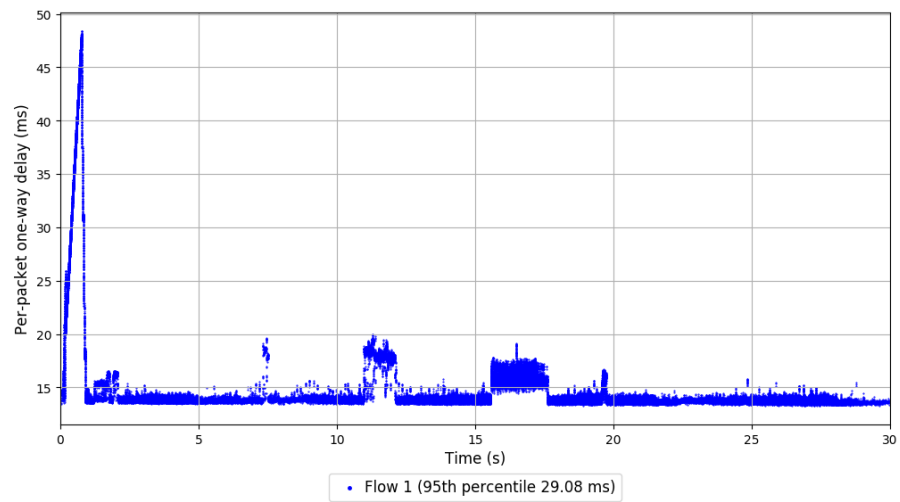
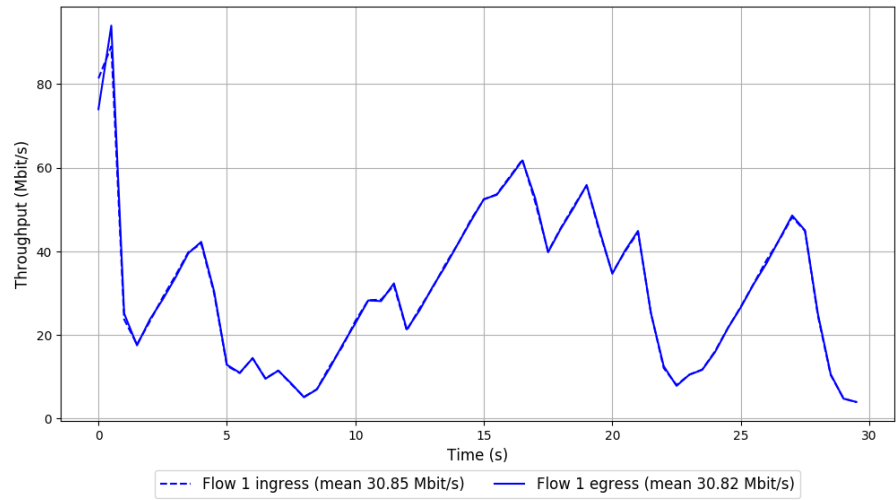
-- Flow 1:

Average throughput: 30.82 Mbit/s

95th percentile per-packet one-way delay: 29.078 ms

Loss rate: 0.07%

Run 3: Report of TCP Cubic — Data Link

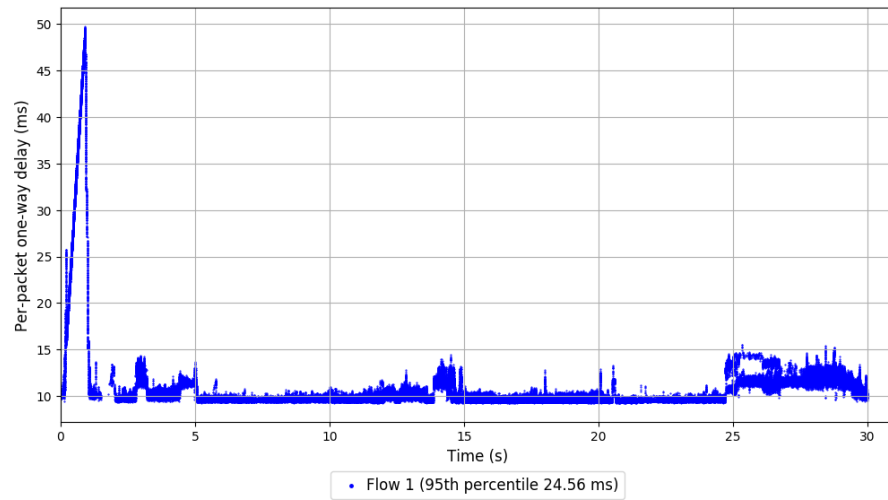
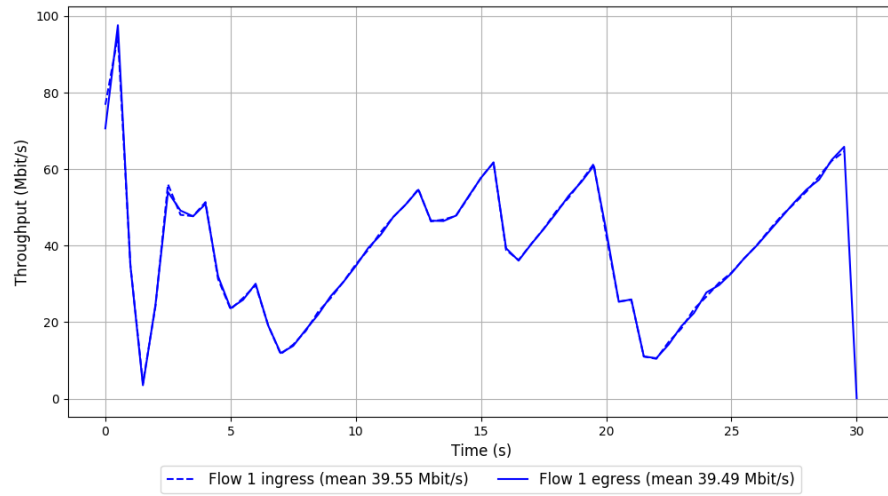


Run 4: Statistics of TCP Cubic

Start at: 2018-04-24 09:22:59
End at: 2018-04-24 09:23:29
Local clock offset: -5.095 ms
Remote clock offset: -3.988 ms

Below is generated by plot.py at 2018-04-24 12:05:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 39.49 Mbit/s
95th percentile per-packet one-way delay: 24.558 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 39.49 Mbit/s
95th percentile per-packet one-way delay: 24.558 ms
Loss rate: 0.17%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-04-24 09:42:37

End at: 2018-04-24 09:43:07

Local clock offset: -6.206 ms

Remote clock offset: 4.844 ms

Below is generated by plot.py at 2018-04-24 12:05:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.16 Mbit/s

95th percentile per-packet one-way delay: 15.596 ms

Loss rate: 0.05%

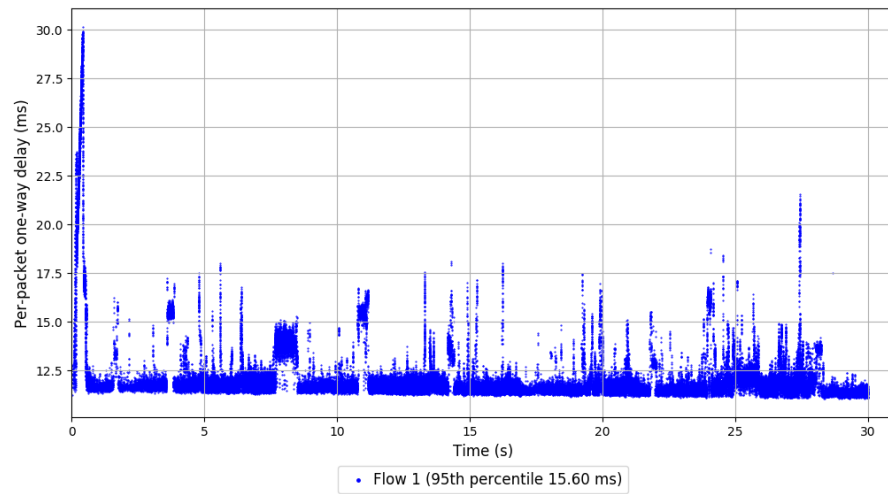
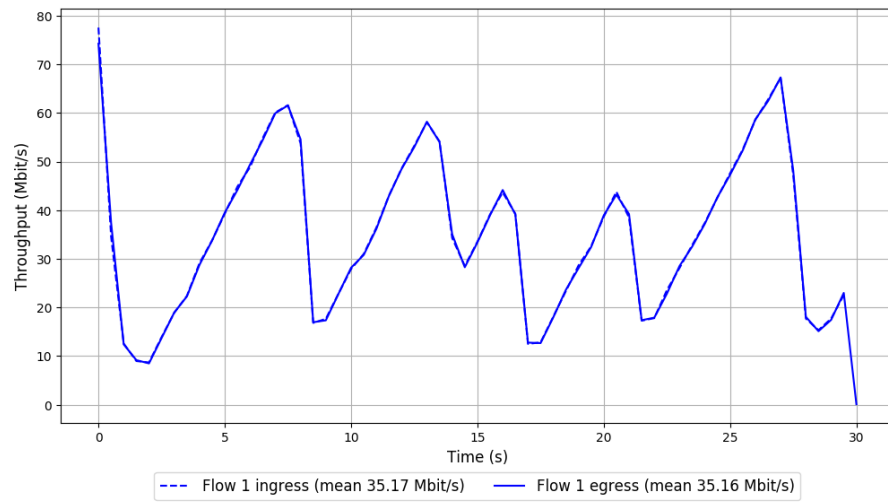
-- Flow 1:

Average throughput: 35.16 Mbit/s

95th percentile per-packet one-way delay: 15.596 ms

Loss rate: 0.05%

Run 5: Report of TCP Cubic — Data Link

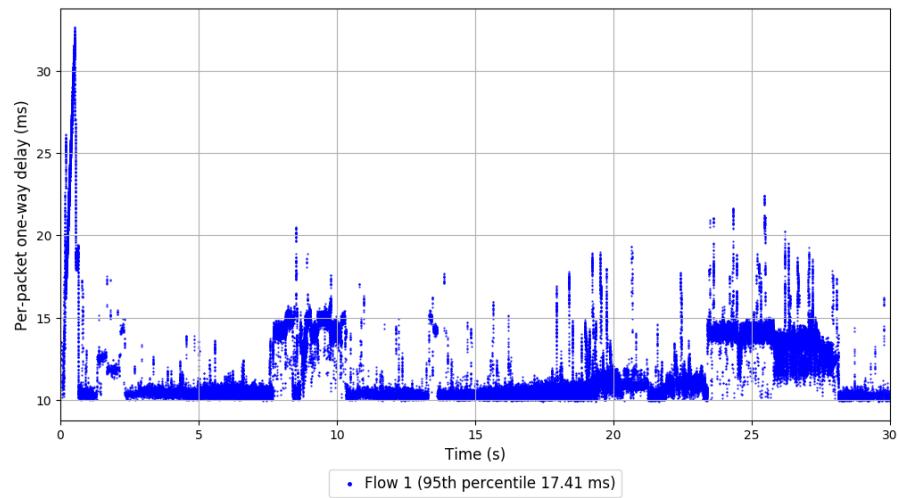
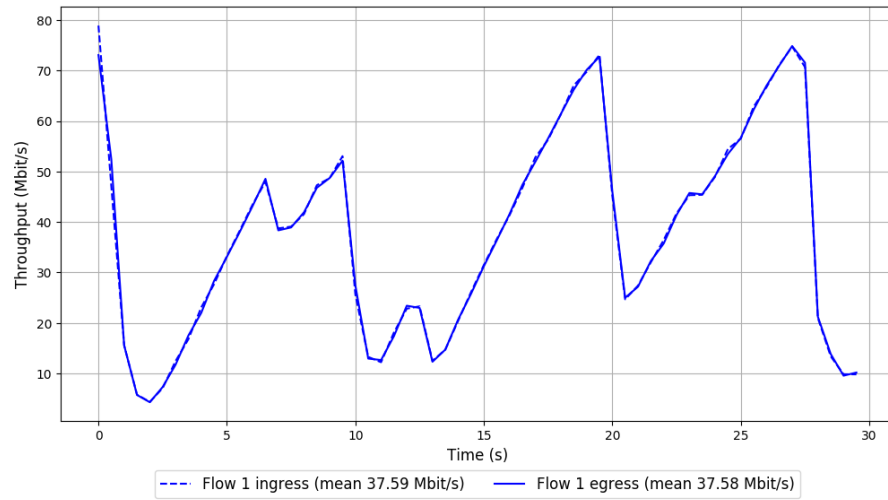


Run 6: Statistics of TCP Cubic

Start at: 2018-04-24 10:02:07
End at: 2018-04-24 10:02:37
Local clock offset: -3.943 ms
Remote clock offset: 13.946 ms

Below is generated by plot.py at 2018-04-24 12:05:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.58 Mbit/s
95th percentile per-packet one-way delay: 17.409 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 37.58 Mbit/s
95th percentile per-packet one-way delay: 17.409 ms
Loss rate: 0.05%

Run 6: Report of TCP Cubic — Data Link

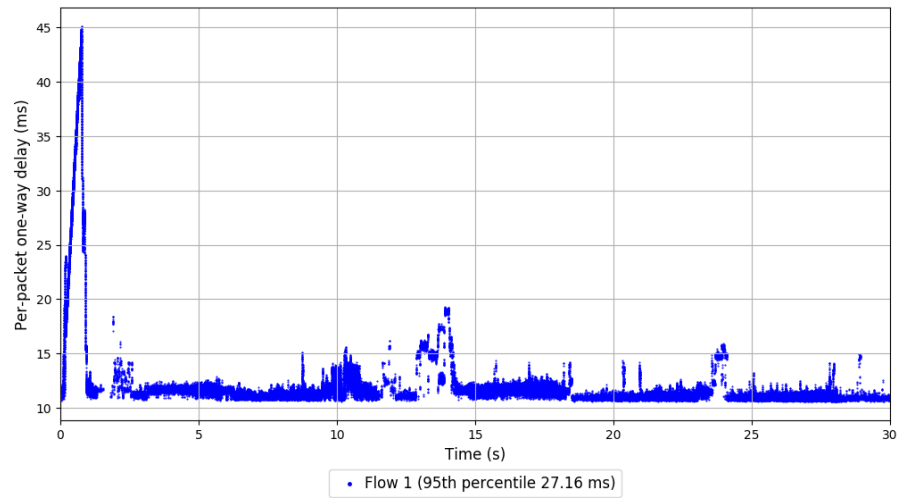
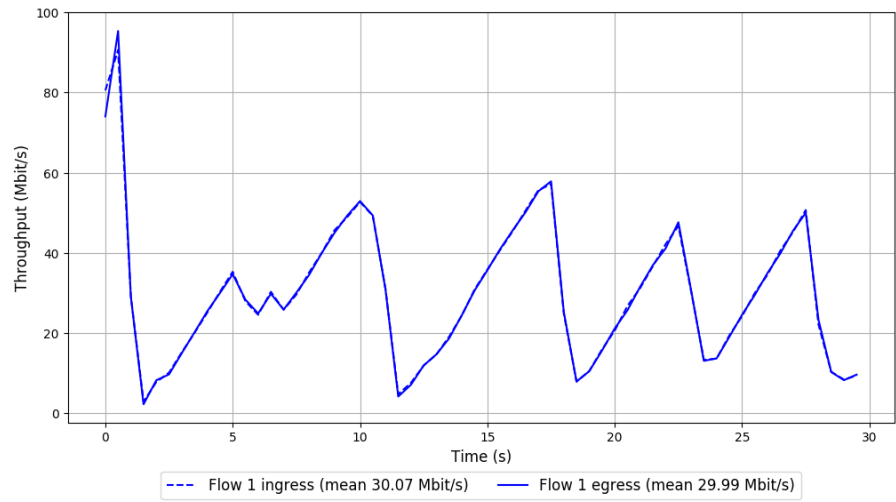


Run 7: Statistics of TCP Cubic

Start at: 2018-04-24 10:21:32
End at: 2018-04-24 10:22:02
Local clock offset: -6.416 ms
Remote clock offset: 18.216 ms

Below is generated by plot.py at 2018-04-24 12:05:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 29.99 Mbit/s
95th percentile per-packet one-way delay: 27.158 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 29.99 Mbit/s
95th percentile per-packet one-way delay: 27.158 ms
Loss rate: 0.24%

Run 7: Report of TCP Cubic — Data Link

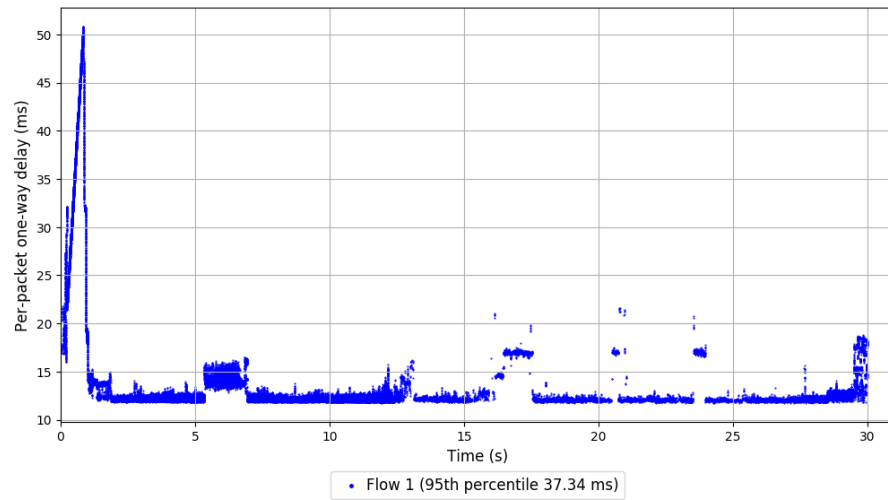
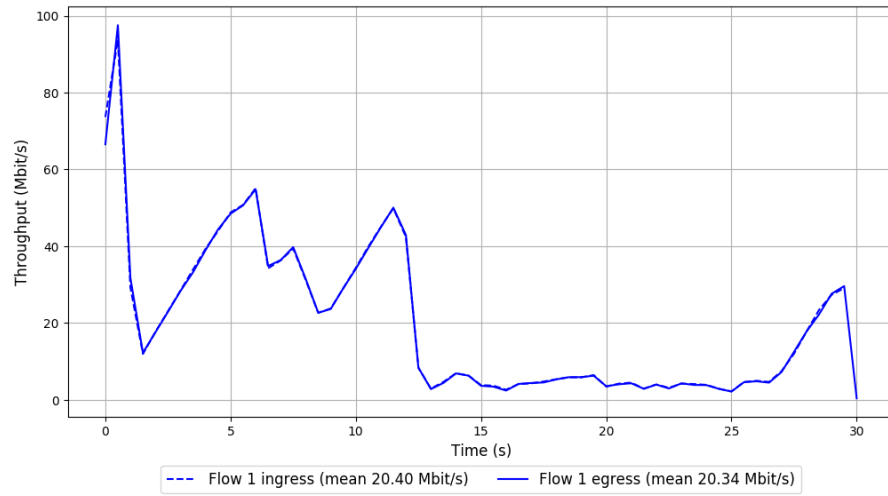


Run 8: Statistics of TCP Cubic

Start at: 2018-04-24 10:41:07
End at: 2018-04-24 10:41:37
Local clock offset: -5.589 ms
Remote clock offset: 25.802 ms

Below is generated by plot.py at 2018-04-24 12:05:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.34 Mbit/s
95th percentile per-packet one-way delay: 37.343 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 20.34 Mbit/s
95th percentile per-packet one-way delay: 37.343 ms
Loss rate: 0.27%

Run 8: Report of TCP Cubic — Data Link

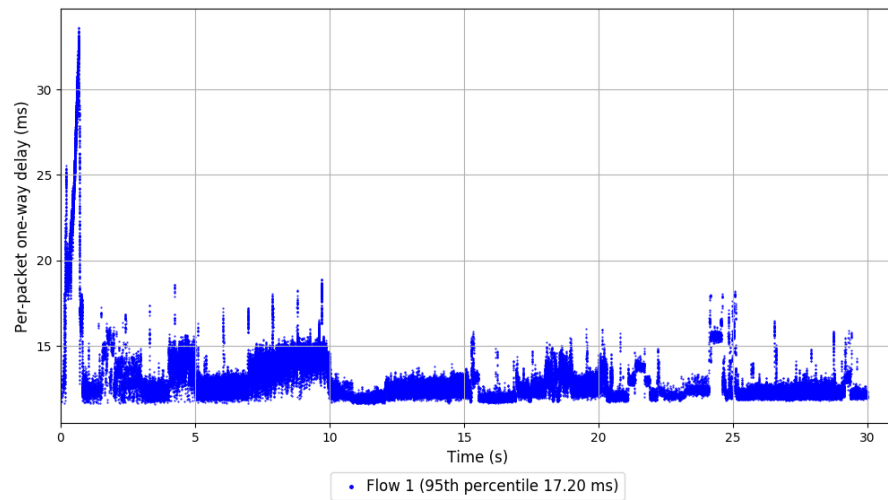
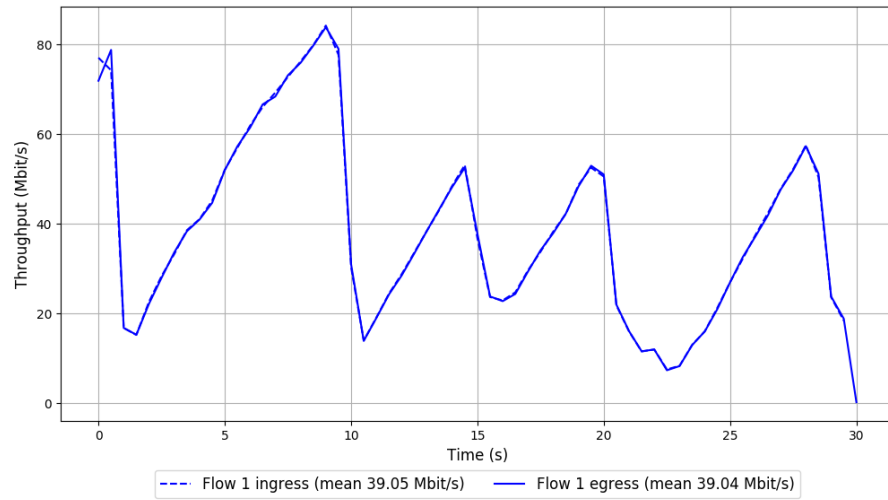


Run 9: Statistics of TCP Cubic

Start at: 2018-04-24 11:00:43
End at: 2018-04-24 11:01:13
Local clock offset: -5.824 ms
Remote clock offset: -7.327 ms

Below is generated by plot.py at 2018-04-24 12:05:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 39.04 Mbit/s
95th percentile per-packet one-way delay: 17.203 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 39.04 Mbit/s
95th percentile per-packet one-way delay: 17.203 ms
Loss rate: 0.05%

Run 9: Report of TCP Cubic — Data Link

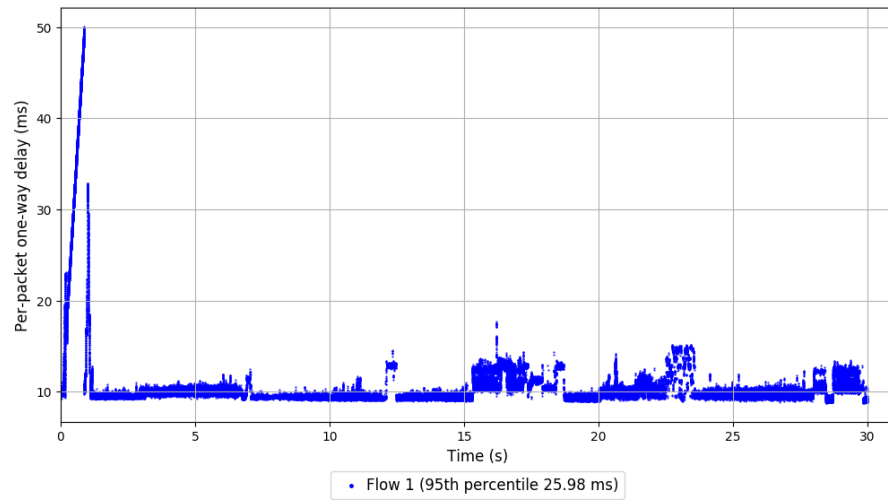
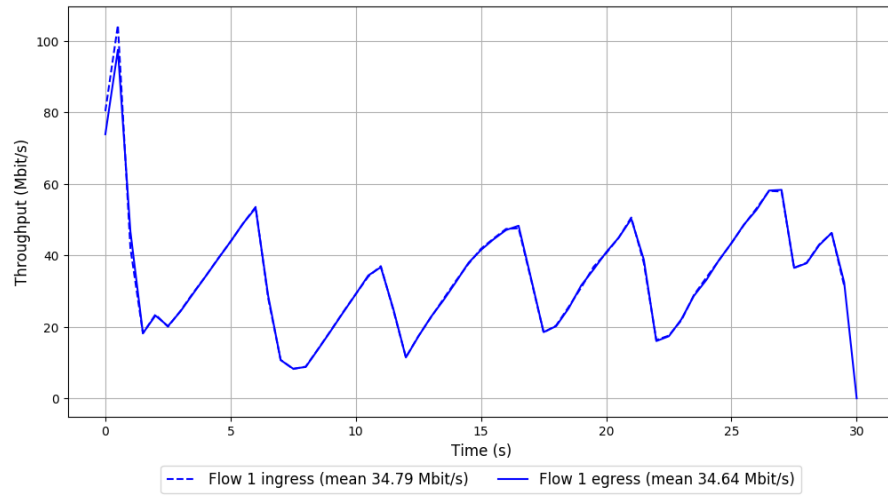


Run 10: Statistics of TCP Cubic

Start at: 2018-04-24 11:20:16
End at: 2018-04-24 11:20:46
Local clock offset: -5.349 ms
Remote clock offset: -14.479 ms

Below is generated by plot.py at 2018-04-24 12:05:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.64 Mbit/s
95th percentile per-packet one-way delay: 25.980 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 34.64 Mbit/s
95th percentile per-packet one-way delay: 25.980 ms
Loss rate: 0.43%

Run 10: Report of TCP Cubic — Data Link

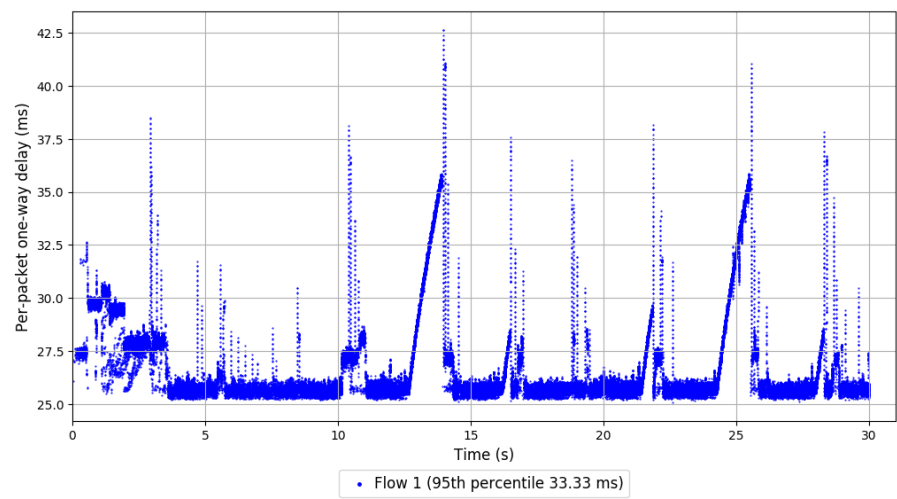
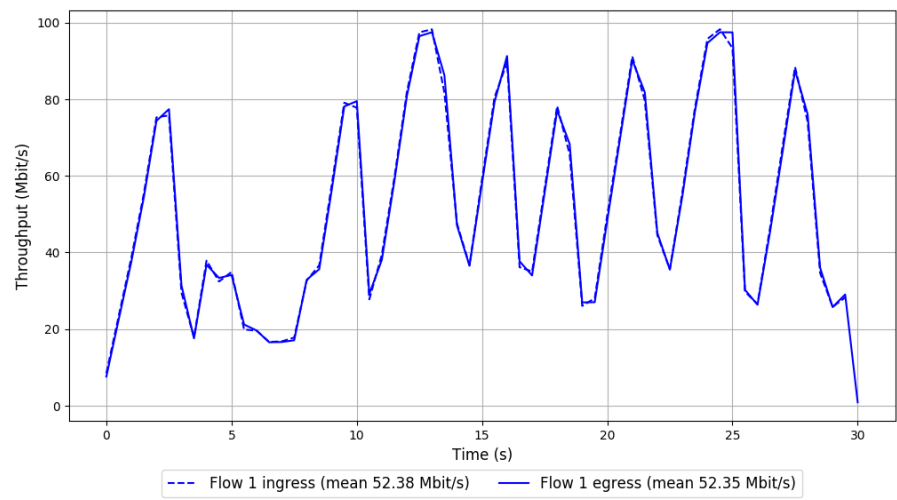


```
Run 1: Statistics of LEDBAT

Start at: 2018-04-24 08:41:39
End at: 2018-04-24 08:42:09
Local clock offset: -7.184 ms
Remote clock offset: 4.243 ms

# Below is generated by plot.py at 2018-04-24 12:05:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.35 Mbit/s
95th percentile per-packet one-way delay: 33.331 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 52.35 Mbit/s
95th percentile per-packet one-way delay: 33.331 ms
Loss rate: 0.05%
```

Run 1: Report of LEDBAT — Data Link

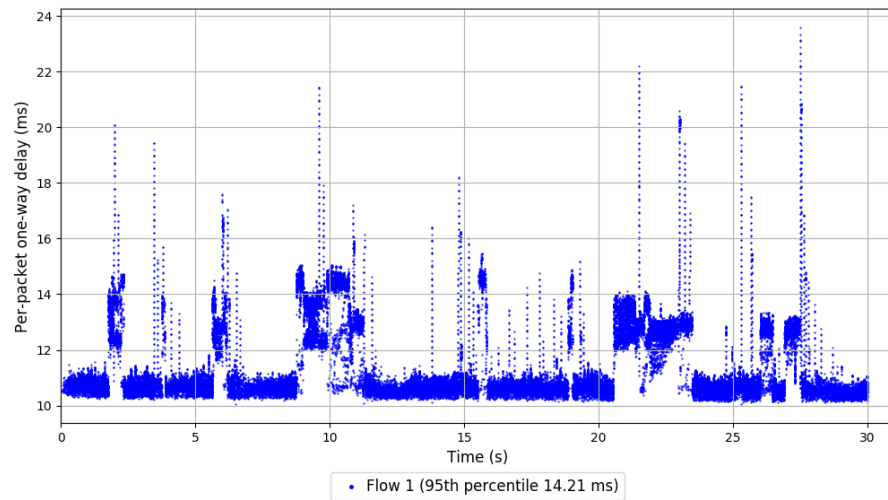
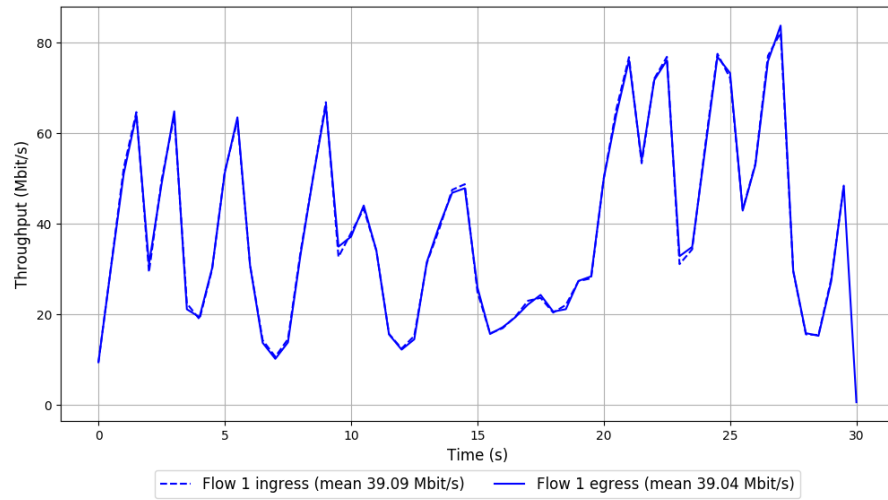


Run 2: Statistics of LEDBAT

Start at: 2018-04-24 09:01:10
End at: 2018-04-24 09:01:40
Local clock offset: -4.963 ms
Remote clock offset: -8.168 ms

Below is generated by plot.py at 2018-04-24 12:05:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 39.04 Mbit/s
95th percentile per-packet one-way delay: 14.213 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 39.04 Mbit/s
95th percentile per-packet one-way delay: 14.213 ms
Loss rate: 0.11%

Run 2: Report of LEDBAT — Data Link

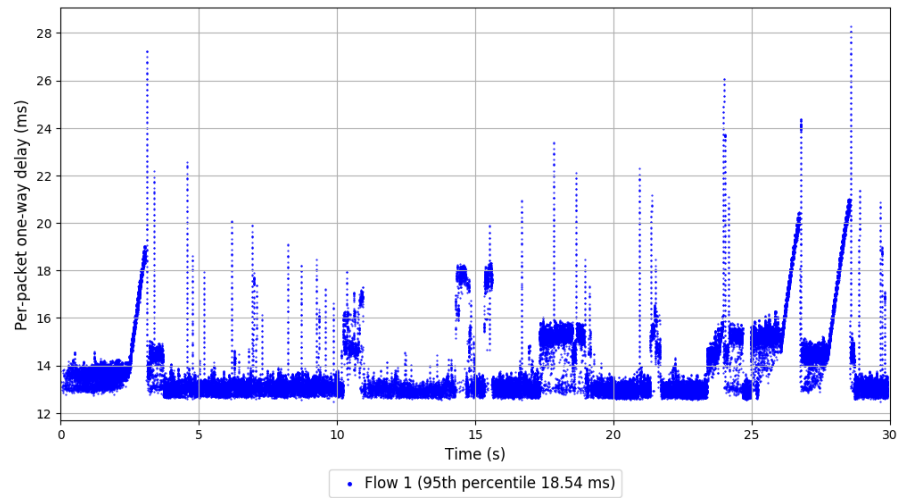
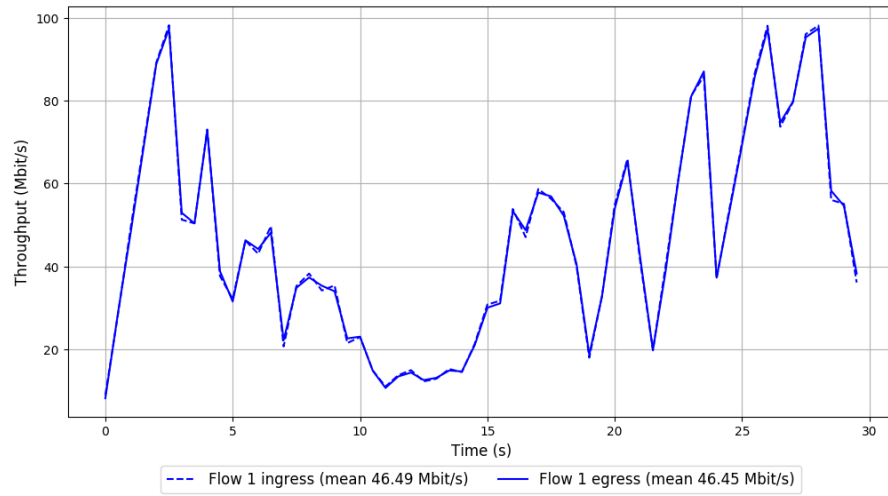


Run 3: Statistics of LEDBAT

Start at: 2018-04-24 09:20:44
End at: 2018-04-24 09:21:14
Local clock offset: -8.746 ms
Remote clock offset: -4.579 ms

Below is generated by plot.py at 2018-04-24 12:05:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 46.45 Mbit/s
95th percentile per-packet one-way delay: 18.535 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 46.45 Mbit/s
95th percentile per-packet one-way delay: 18.535 ms
Loss rate: 0.09%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-04-24 09:40:25

End at: 2018-04-24 09:40:55

Local clock offset: -8.405 ms

Remote clock offset: 2.455 ms

Below is generated by plot.py at 2018-04-24 12:05:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.49 Mbit/s

95th percentile per-packet one-way delay: 17.274 ms

Loss rate: 0.19%

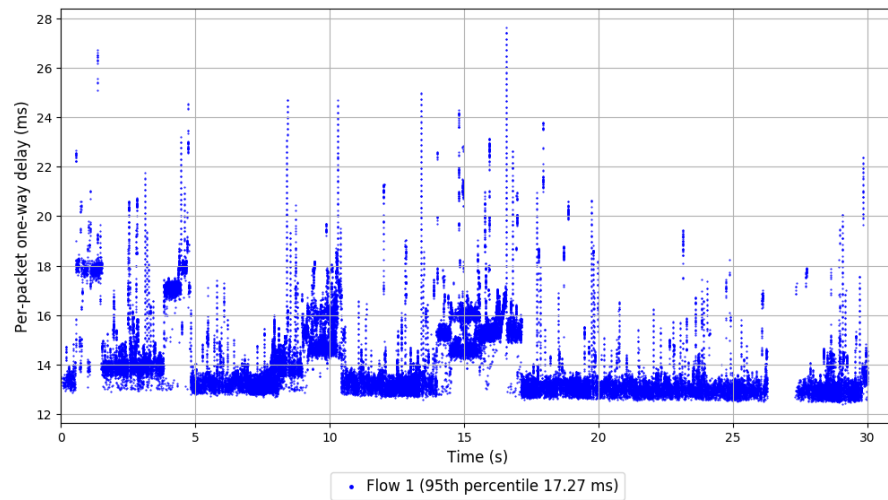
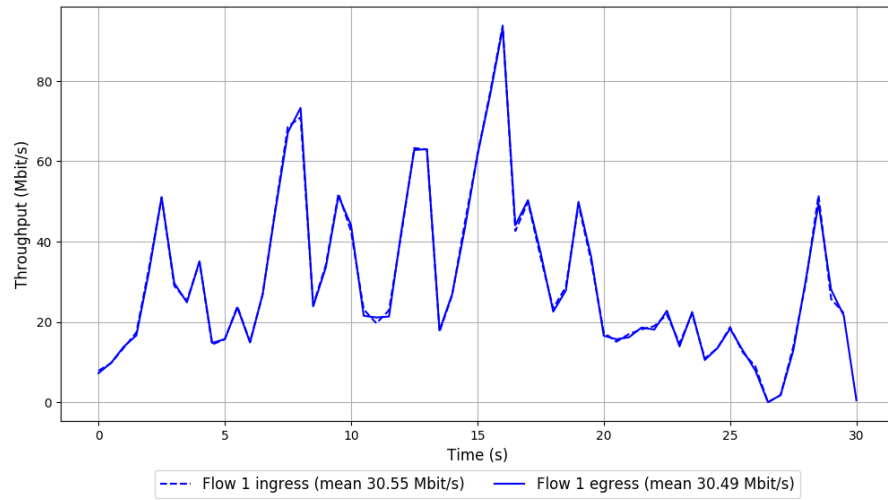
-- Flow 1:

Average throughput: 30.49 Mbit/s

95th percentile per-packet one-way delay: 17.274 ms

Loss rate: 0.19%

Run 4: Report of LEDBAT — Data Link

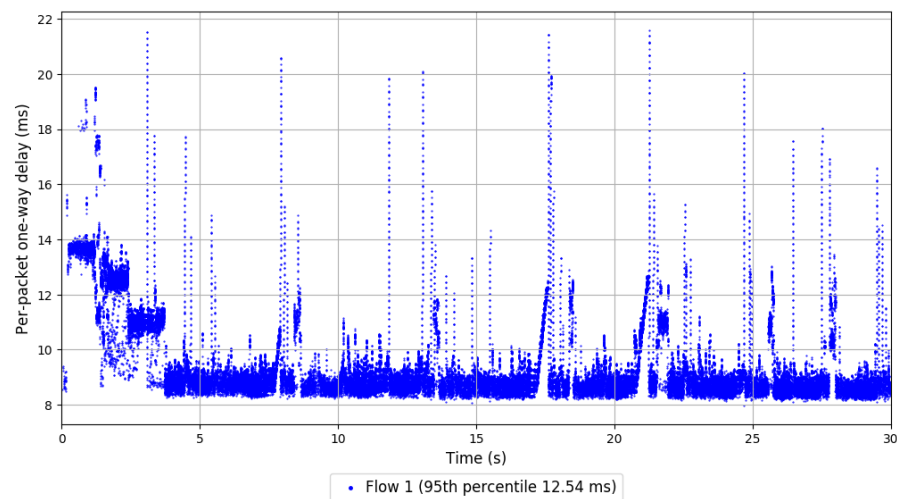
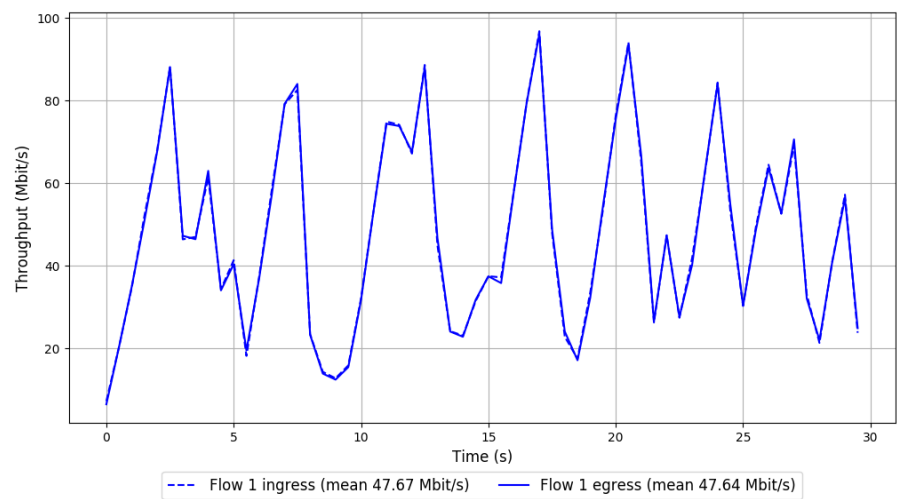


Run 5: Statistics of LEDBAT

Start at: 2018-04-24 09:59:54
End at: 2018-04-24 10:00:24
Local clock offset: -3.007 ms
Remote clock offset: 12.685 ms

Below is generated by plot.py at 2018-04-24 12:05:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 47.64 Mbit/s
95th percentile per-packet one-way delay: 12.535 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 47.64 Mbit/s
95th percentile per-packet one-way delay: 12.535 ms
Loss rate: 0.08%

Run 5: Report of LEDBAT — Data Link

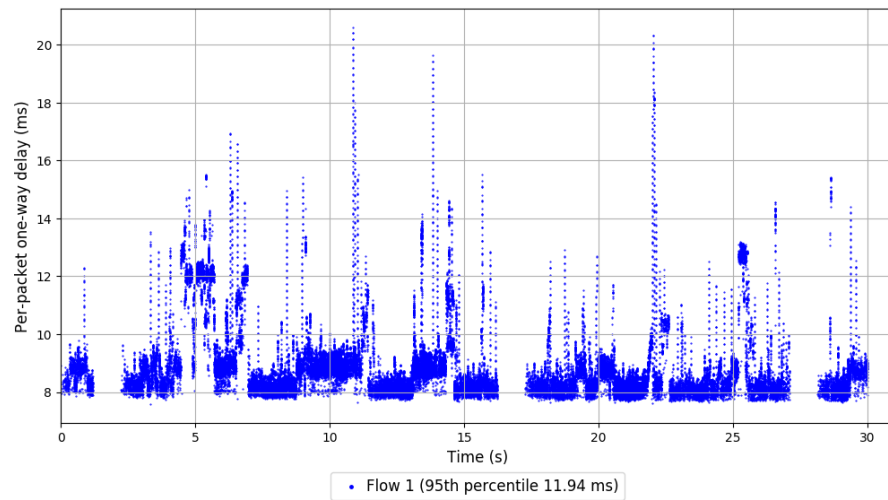
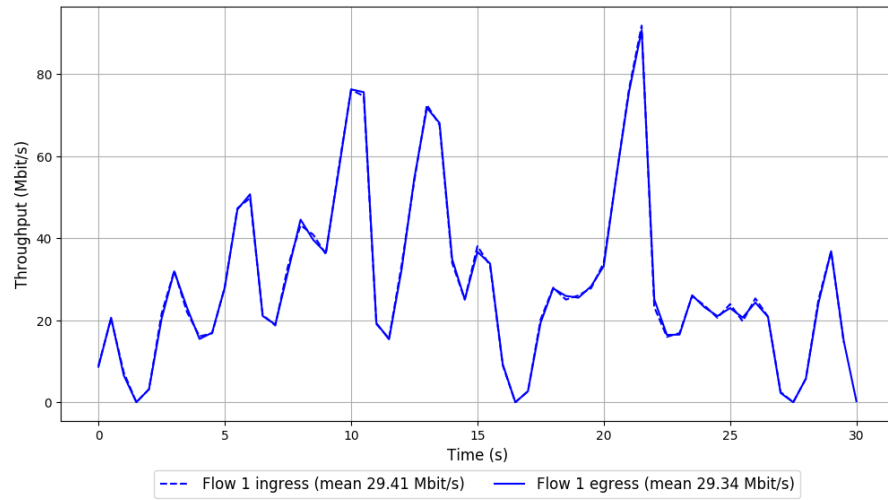


Run 6: Statistics of LEDBAT

Start at: 2018-04-24 10:19:19
End at: 2018-04-24 10:19:49
Local clock offset: -3.701 ms
Remote clock offset: 17.361 ms

Below is generated by plot.py at 2018-04-24 12:05:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 29.34 Mbit/s
95th percentile per-packet one-way delay: 11.937 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 29.34 Mbit/s
95th percentile per-packet one-way delay: 11.937 ms
Loss rate: 0.24%

Run 6: Report of LEDBAT — Data Link

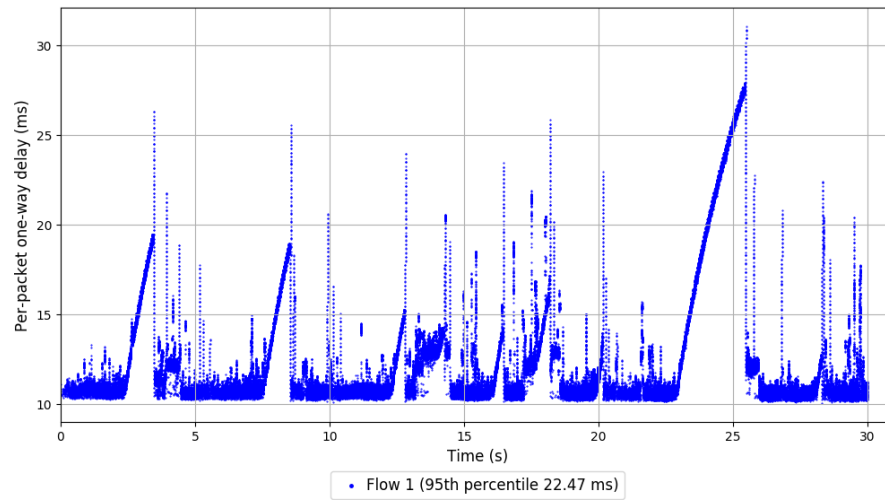
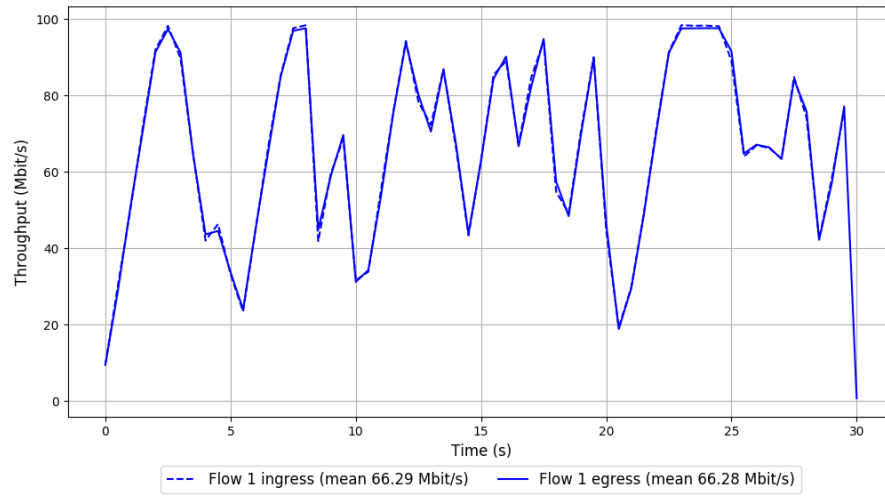


Run 7: Statistics of LEDBAT

Start at: 2018-04-24 10:38:52
End at: 2018-04-24 10:39:22
Local clock offset: -4.354 ms
Remote clock offset: 24.638 ms

Below is generated by plot.py at 2018-04-24 12:06:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.28 Mbit/s
95th percentile per-packet one-way delay: 22.471 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 66.28 Mbit/s
95th percentile per-packet one-way delay: 22.471 ms
Loss rate: 0.02%

Run 7: Report of LEDBAT — Data Link

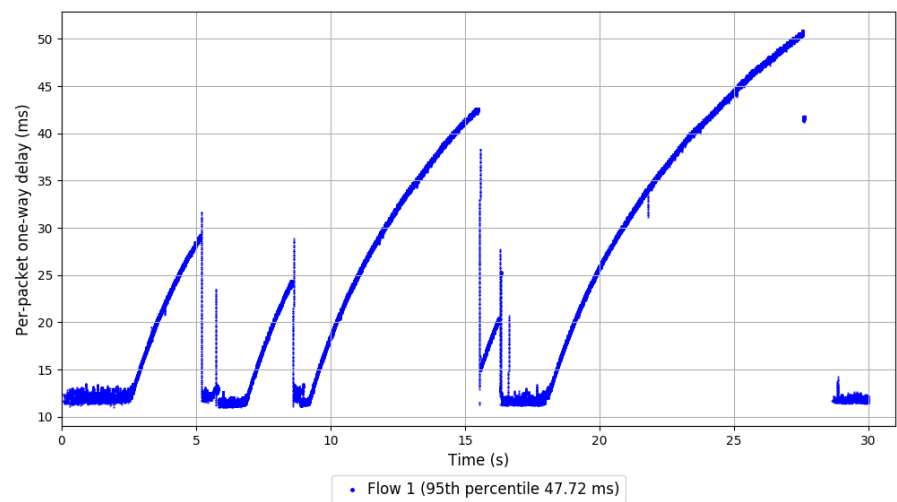
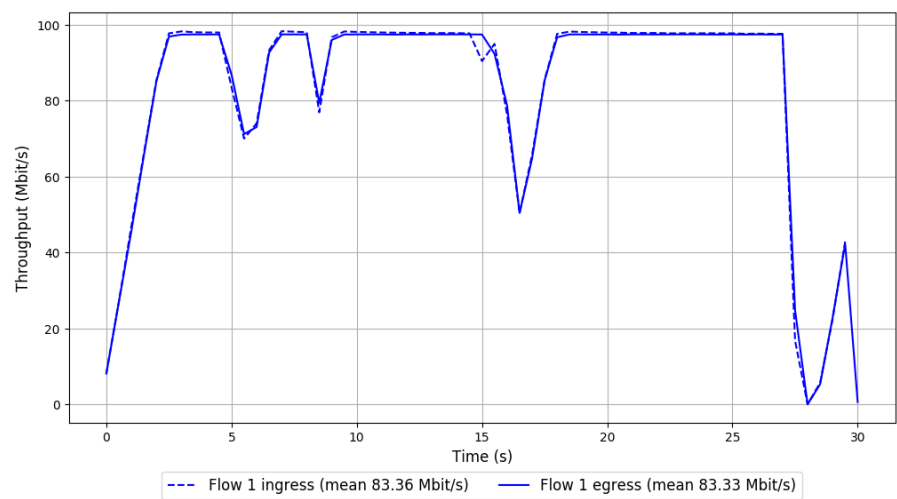


Run 8: Statistics of LEDBAT

Start at: 2018-04-24 10:58:27
End at: 2018-04-24 10:58:57
Local clock offset: -6.76 ms
Remote clock offset: -6.628 ms

Below is generated by plot.py at 2018-04-24 12:06:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.33 Mbit/s
95th percentile per-packet one-way delay: 47.720 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 83.33 Mbit/s
95th percentile per-packet one-way delay: 47.720 ms
Loss rate: 0.04%

Run 8: Report of LEDBAT — Data Link

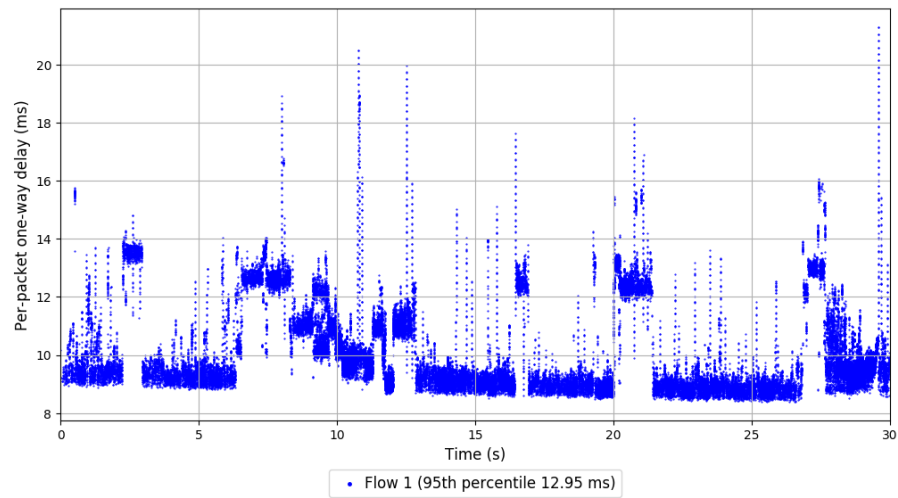
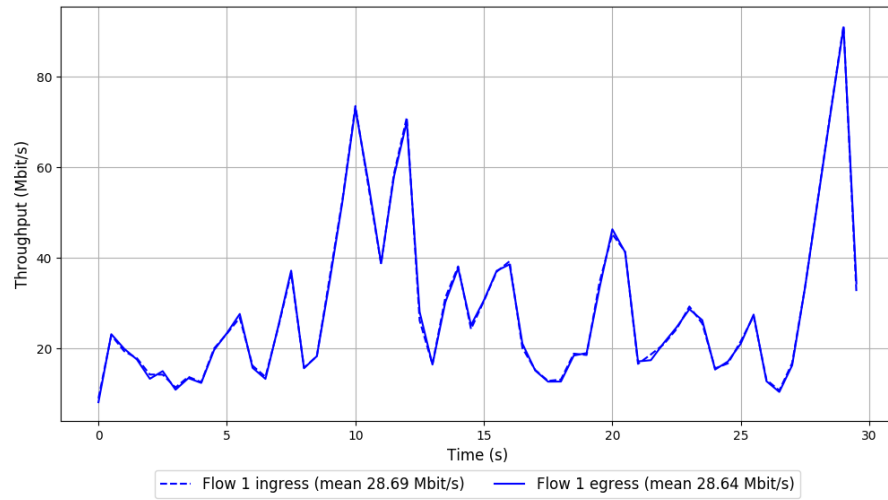


Run 9: Statistics of LEDBAT

Start at: 2018-04-24 11:18:04
End at: 2018-04-24 11:18:34
Local clock offset: -5.083 ms
Remote clock offset: -17.17 ms

Below is generated by plot.py at 2018-04-24 12:06:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 28.64 Mbit/s
95th percentile per-packet one-way delay: 12.950 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 28.64 Mbit/s
95th percentile per-packet one-way delay: 12.950 ms
Loss rate: 0.15%

Run 9: Report of LEDBAT — Data Link

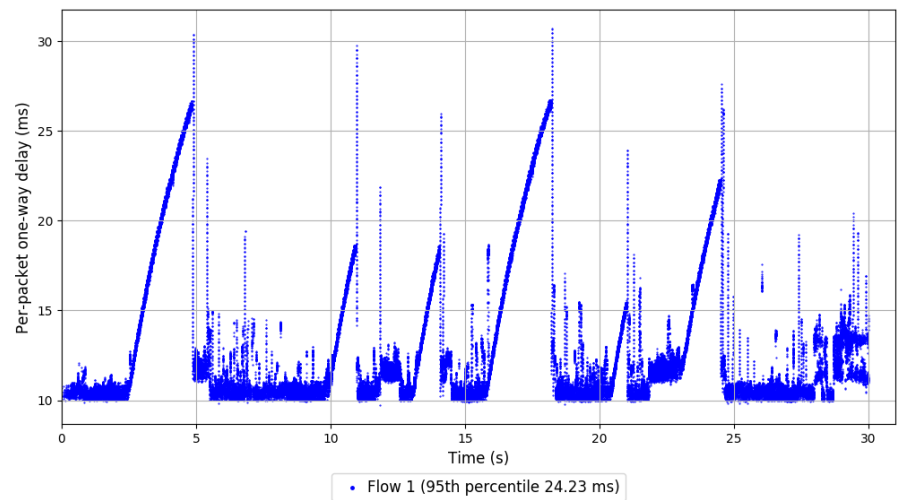
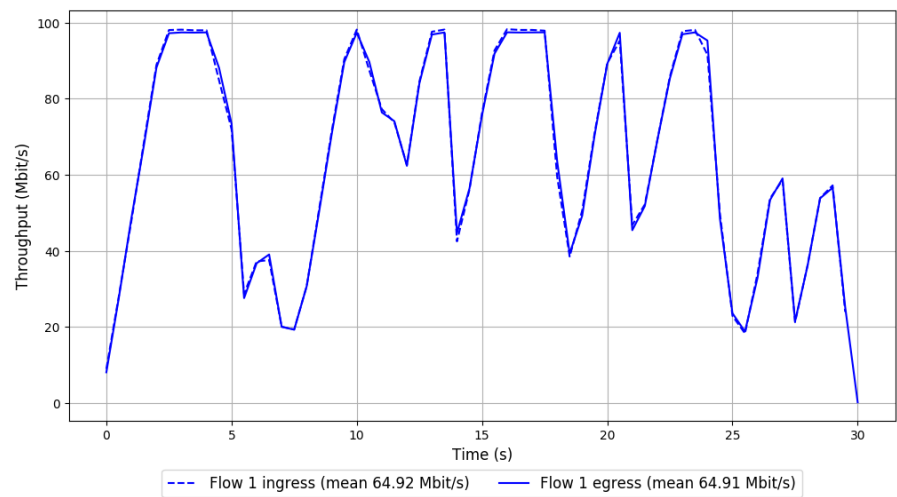


Run 10: Statistics of LEDBAT

Start at: 2018-04-24 11:37:41
End at: 2018-04-24 11:38:11
Local clock offset: -4.967 ms
Remote clock offset: -6.927 ms

Below is generated by plot.py at 2018-04-24 12:06:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 64.91 Mbit/s
95th percentile per-packet one-way delay: 24.228 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 64.91 Mbit/s
95th percentile per-packet one-way delay: 24.228 ms
Loss rate: 0.02%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-04-24 08:33:47

End at: 2018-04-24 08:34:17

Local clock offset: -7.556 ms

Remote clock offset: 6.595 ms

Below is generated by plot.py at 2018-04-24 12:06:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.78 Mbit/s

95th percentile per-packet one-way delay: 31.182 ms

Loss rate: 0.59%

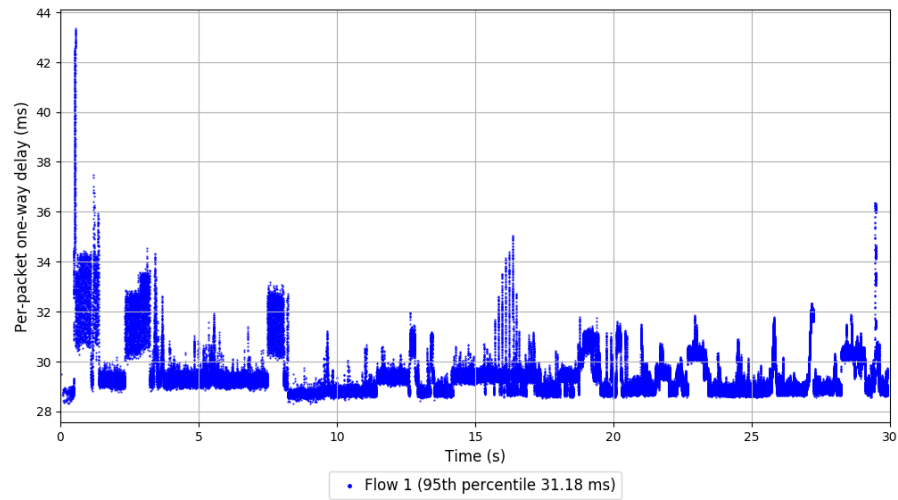
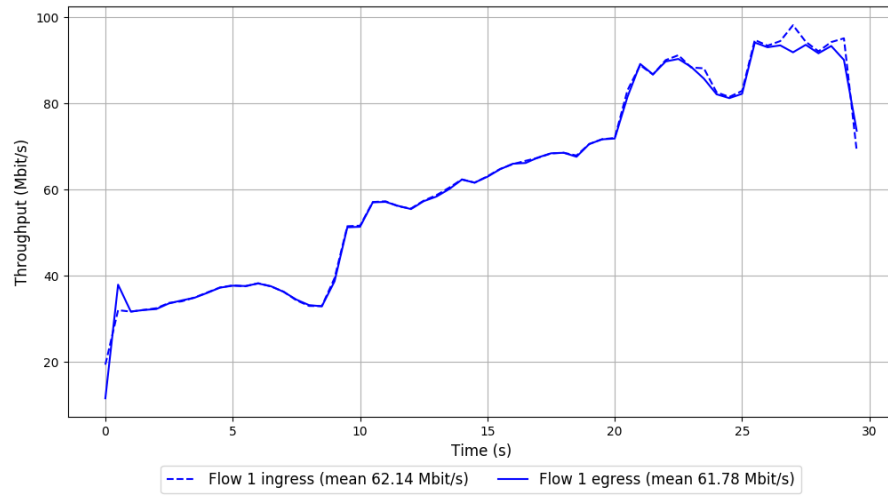
-- Flow 1:

Average throughput: 61.78 Mbit/s

95th percentile per-packet one-way delay: 31.182 ms

Loss rate: 0.59%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-04-24 08:53:15

End at: 2018-04-24 08:53:45

Local clock offset: -4.665 ms

Remote clock offset: 3.727 ms

Below is generated by plot.py at 2018-04-24 12:07:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.29 Mbit/s

95th percentile per-packet one-way delay: 27.201 ms

Loss rate: 3.81%

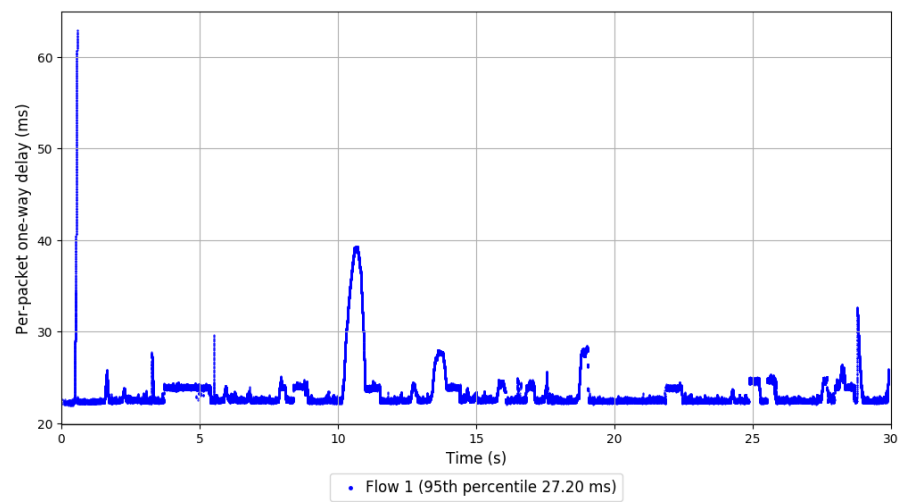
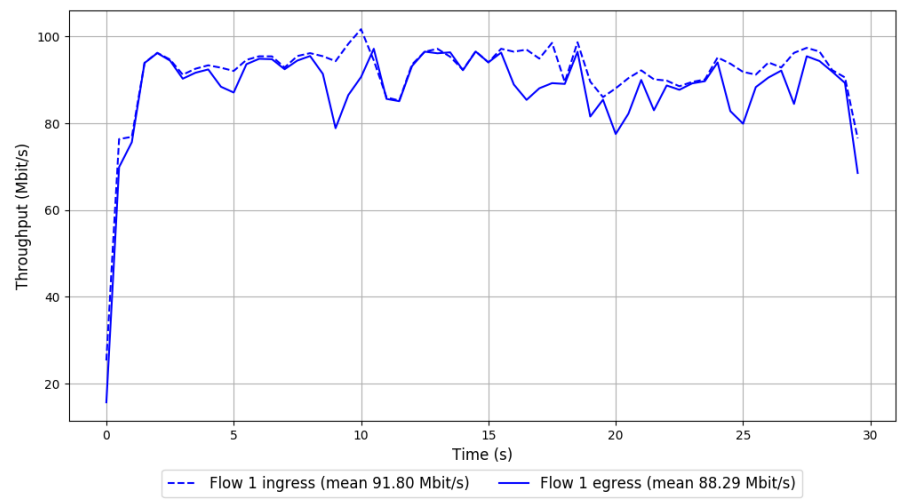
-- Flow 1:

Average throughput: 88.29 Mbit/s

95th percentile per-packet one-way delay: 27.201 ms

Loss rate: 3.81%

Run 2: Report of PCC-Allegro — Data Link

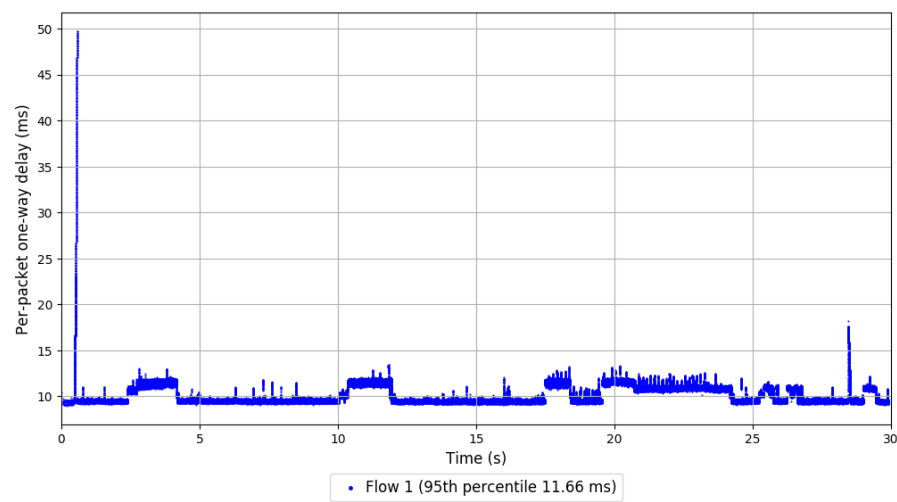
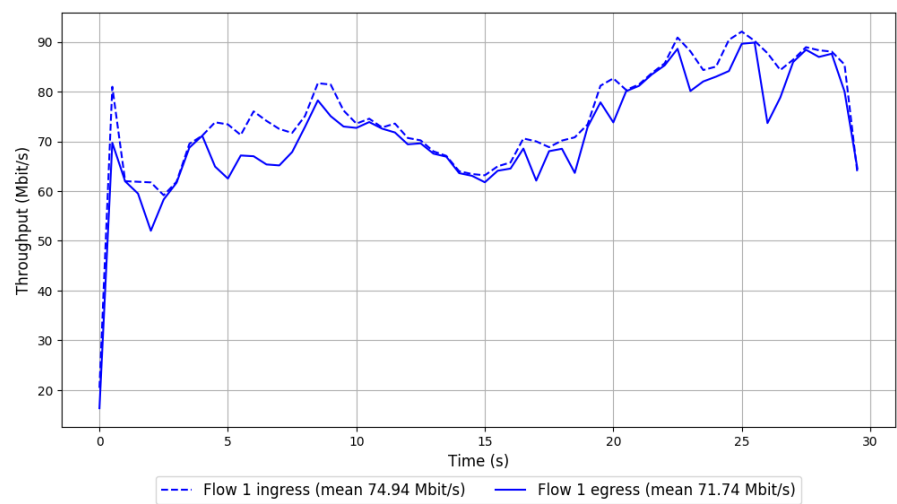


Run 3: Statistics of PCC-Allegro

Start at: 2018-04-24 09:12:39
End at: 2018-04-24 09:13:09
Local clock offset: -4.184 ms
Remote clock offset: -4.667 ms

Below is generated by plot.py at 2018-04-24 12:07:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.74 Mbit/s
95th percentile per-packet one-way delay: 11.664 ms
Loss rate: 4.28%
-- Flow 1:
Average throughput: 71.74 Mbit/s
95th percentile per-packet one-way delay: 11.664 ms
Loss rate: 4.28%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-04-24 09:32:21

End at: 2018-04-24 09:32:51

Local clock offset: -8.005 ms

Remote clock offset: -2.243 ms

Below is generated by plot.py at 2018-04-24 12:07:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.14 Mbit/s

95th percentile per-packet one-way delay: 15.747 ms

Loss rate: 4.10%

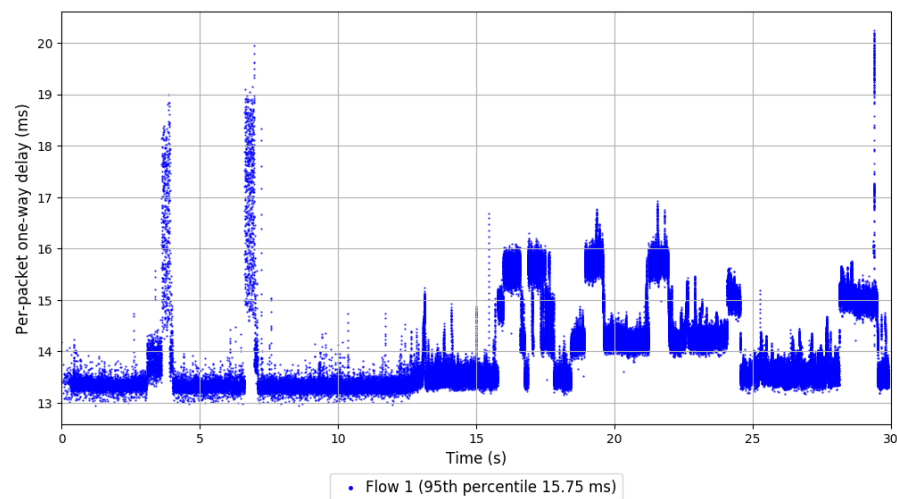
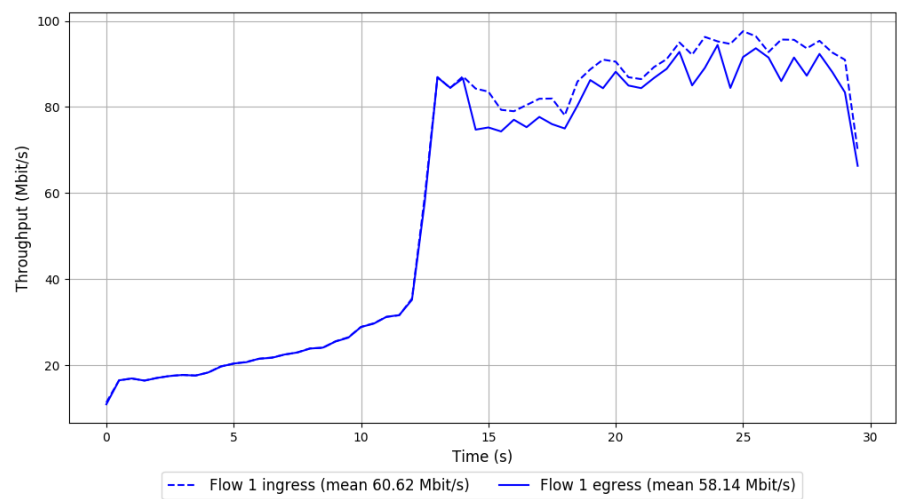
-- Flow 1:

Average throughput: 58.14 Mbit/s

95th percentile per-packet one-way delay: 15.747 ms

Loss rate: 4.10%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-04-24 09:51:59

End at: 2018-04-24 09:52:29

Local clock offset: -3.078 ms

Remote clock offset: 9.34 ms

Below is generated by plot.py at 2018-04-24 12:07:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.62 Mbit/s

95th percentile per-packet one-way delay: 10.905 ms

Loss rate: 4.46%

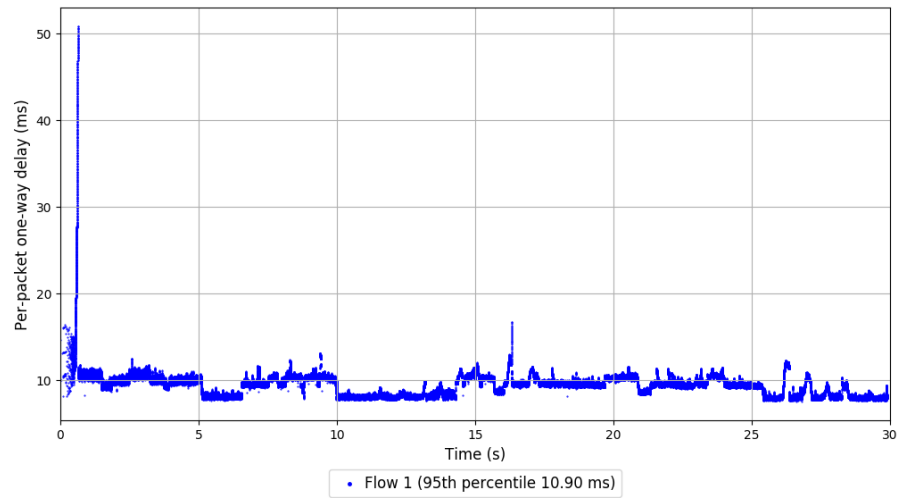
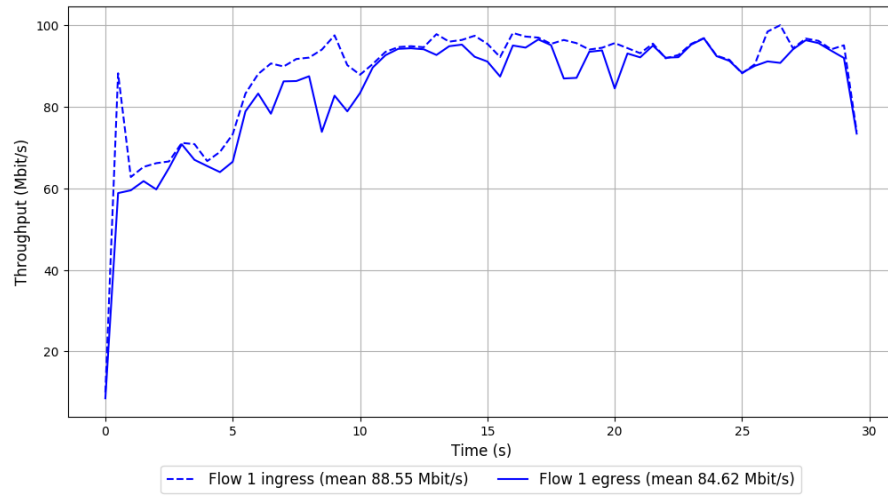
-- Flow 1:

Average throughput: 84.62 Mbit/s

95th percentile per-packet one-way delay: 10.905 ms

Loss rate: 4.46%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-04-24 10:11:22

End at: 2018-04-24 10:11:52

Local clock offset: -3.674 ms

Remote clock offset: 15.686 ms

Below is generated by plot.py at 2018-04-24 12:07:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.40 Mbit/s

95th percentile per-packet one-way delay: 12.026 ms

Loss rate: 6.38%

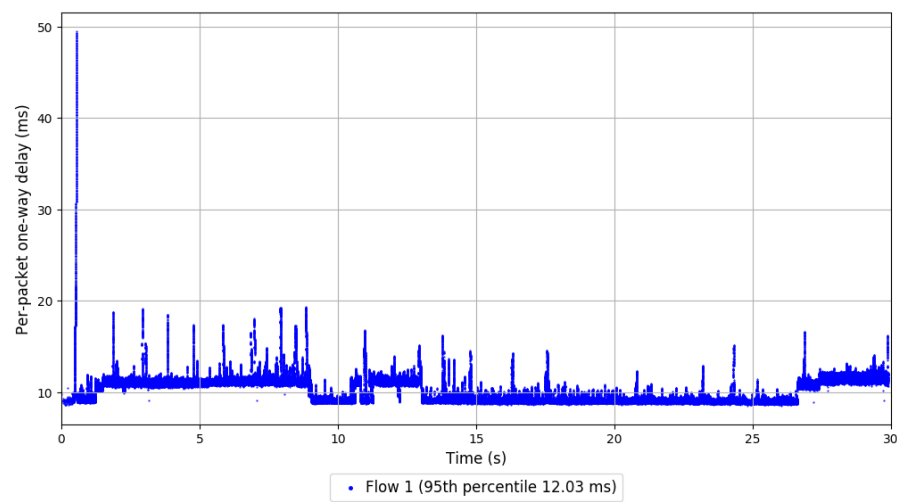
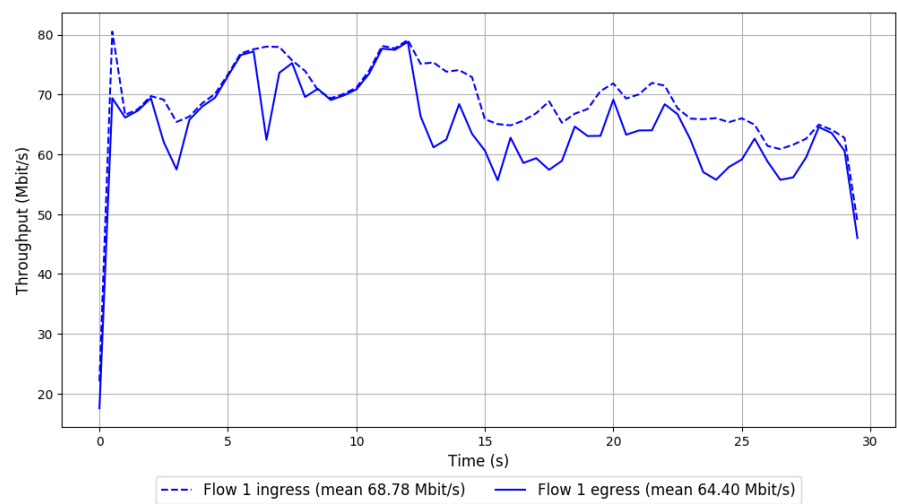
-- Flow 1:

Average throughput: 64.40 Mbit/s

95th percentile per-packet one-way delay: 12.026 ms

Loss rate: 6.38%

Run 6: Report of PCC-Allegro — Data Link

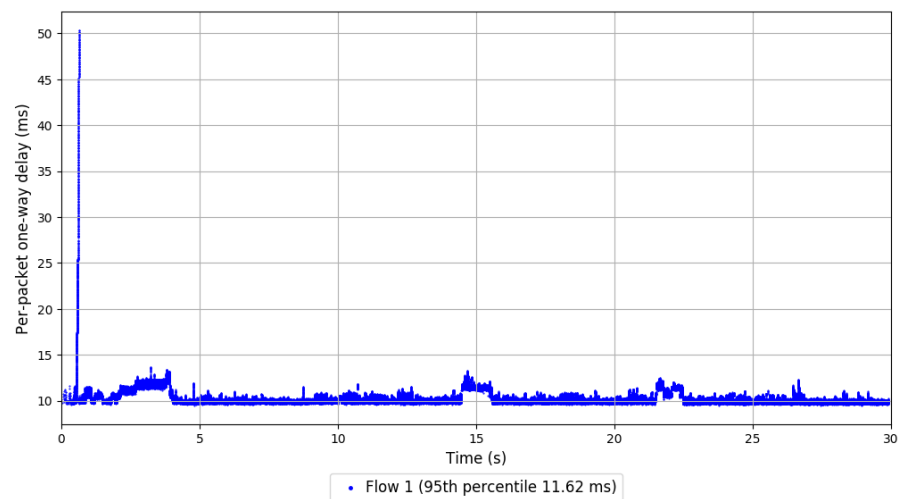
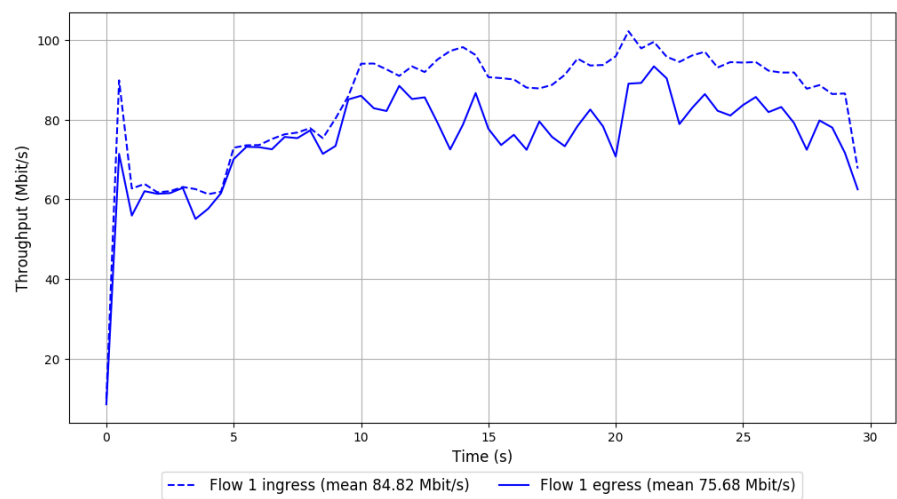


Run 7: Statistics of PCC-Allegro

Start at: 2018-04-24 10:30:54
End at: 2018-04-24 10:31:24
Local clock offset: -4.766 ms
Remote clock offset: 21.664 ms

Below is generated by plot.py at 2018-04-24 12:07:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.68 Mbit/s
95th percentile per-packet one-way delay: 11.616 ms
Loss rate: 10.77%
-- Flow 1:
Average throughput: 75.68 Mbit/s
95th percentile per-packet one-way delay: 11.616 ms
Loss rate: 10.77%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-04-24 10:50:26

End at: 2018-04-24 10:50:56

Local clock offset: -6.85 ms

Remote clock offset: 4.781 ms

Below is generated by plot.py at 2018-04-24 12:07:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.61 Mbit/s

95th percentile per-packet one-way delay: 35.204 ms

Loss rate: 3.25%

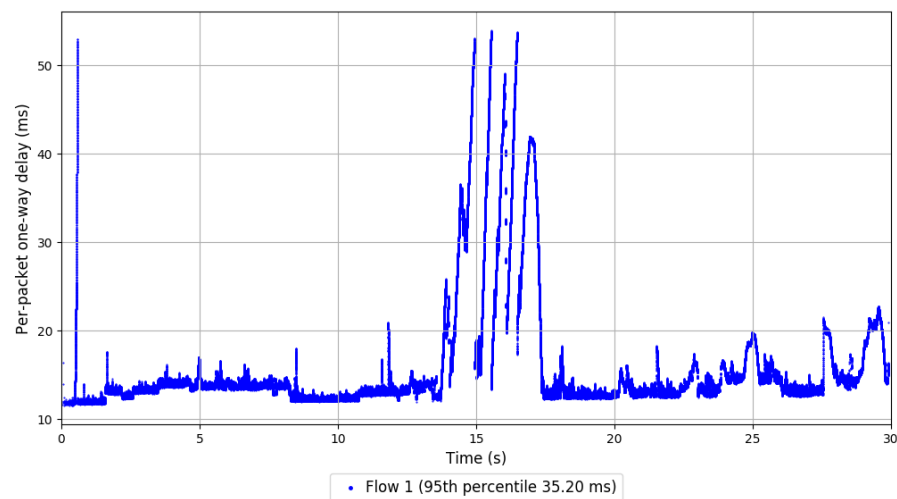
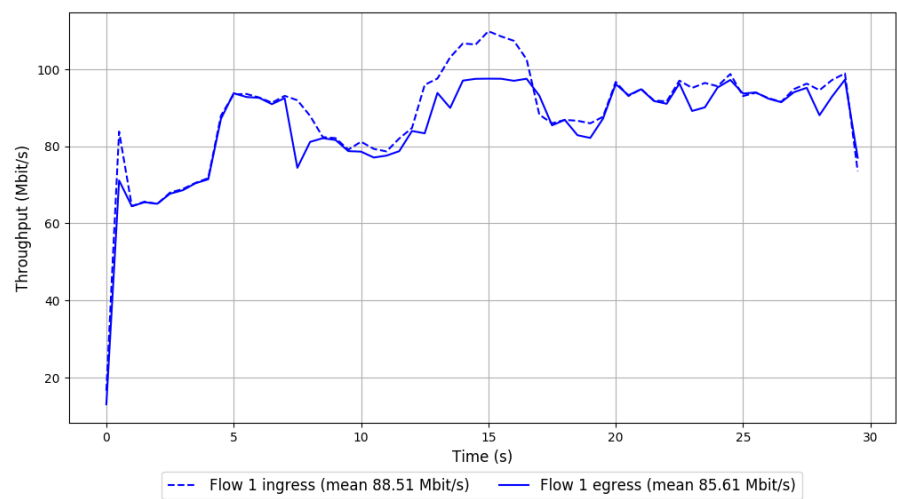
-- Flow 1:

Average throughput: 85.61 Mbit/s

95th percentile per-packet one-way delay: 35.204 ms

Loss rate: 3.25%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-04-24 11:09:57

End at: 2018-04-24 11:10:27

Local clock offset: -4.126 ms

Remote clock offset: -14.368 ms

Below is generated by plot.py at 2018-04-24 12:08:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.73 Mbit/s

95th percentile per-packet one-way delay: 11.124 ms

Loss rate: 3.14%

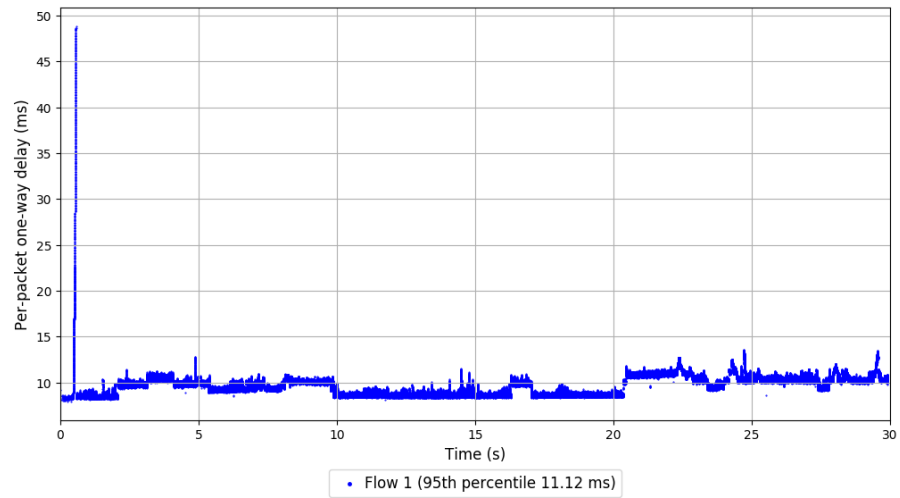
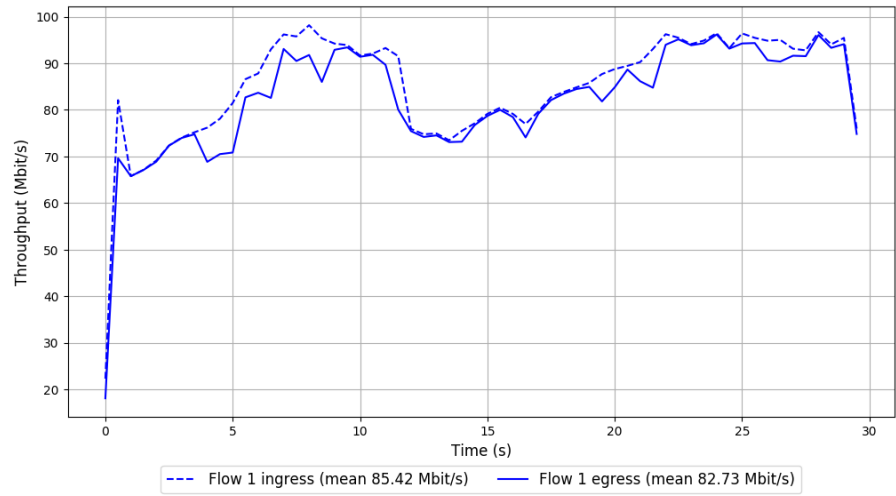
-- Flow 1:

Average throughput: 82.73 Mbit/s

95th percentile per-packet one-way delay: 11.124 ms

Loss rate: 3.14%

Run 9: Report of PCC-Allegro — Data Link

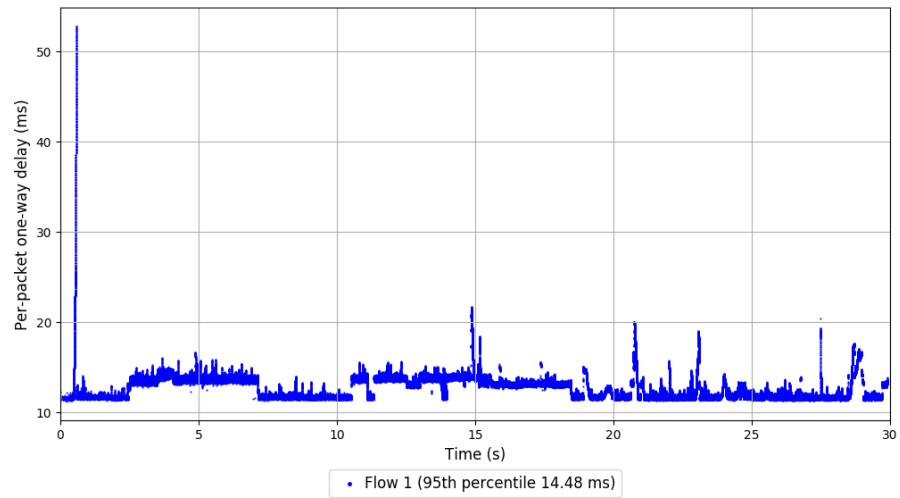
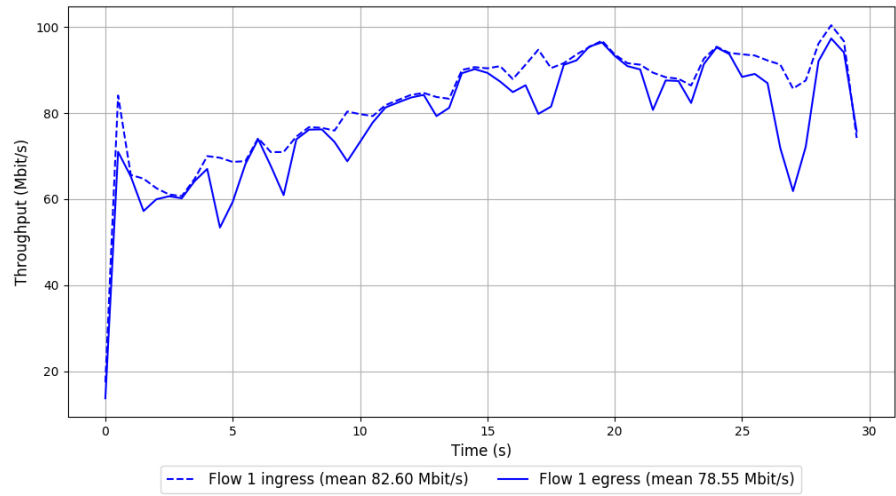


Run 10: Statistics of PCC-Allegro

Start at: 2018-04-24 11:29:36
End at: 2018-04-24 11:30:06
Local clock offset: -6.274 ms
Remote clock offset: -8.177 ms

Below is generated by plot.py at 2018-04-24 12:08:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.55 Mbit/s
95th percentile per-packet one-way delay: 14.480 ms
Loss rate: 4.91%
-- Flow 1:
Average throughput: 78.55 Mbit/s
95th percentile per-packet one-way delay: 14.480 ms
Loss rate: 4.91%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of QUIC Cubic

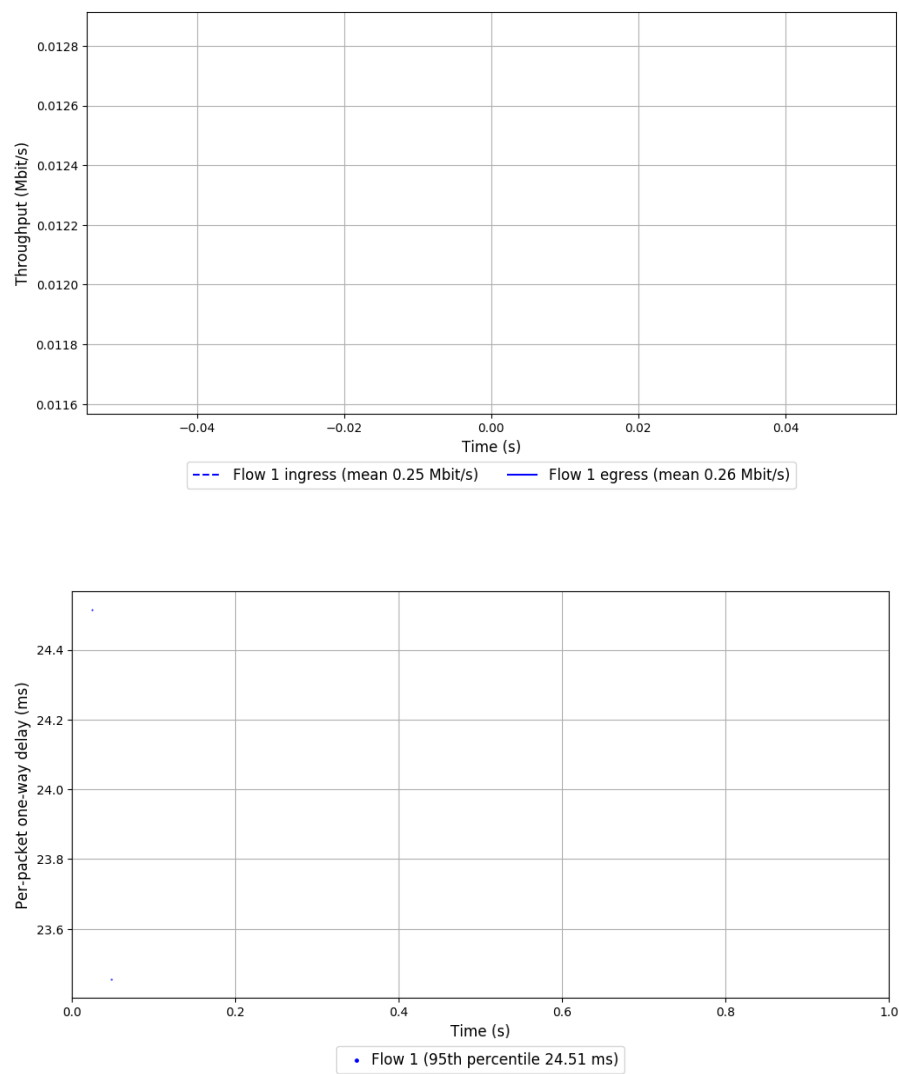
Start at: 2018-04-24 08:37:08

End at: 2018-04-24 08:37:38

Local clock offset: -7.939 ms

Remote clock offset: 1.515 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-04-24 08:56:37

End at: 2018-04-24 08:57:07

Local clock offset: -4.635 ms

Remote clock offset: 6.055 ms

Below is generated by plot.py at 2018-04-24 12:08:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.39 Mbit/s

95th percentile per-packet one-way delay: 30.402 ms

Loss rate: 0.06%

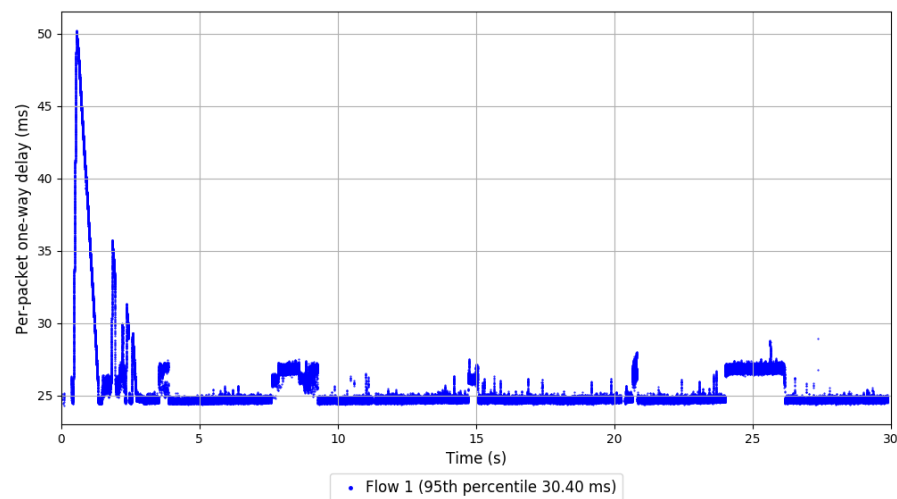
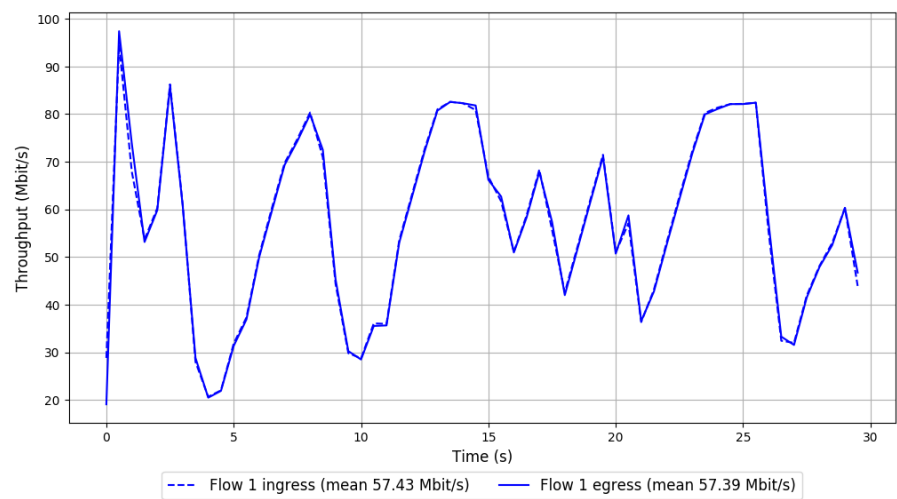
-- Flow 1:

Average throughput: 57.39 Mbit/s

95th percentile per-packet one-way delay: 30.402 ms

Loss rate: 0.06%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-04-24 09:16:02

End at: 2018-04-24 09:16:32

Local clock offset: -5.909 ms

Remote clock offset: -4.804 ms

Below is generated by plot.py at 2018-04-24 12:08:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.79 Mbit/s

95th percentile per-packet one-way delay: 13.645 ms

Loss rate: 0.09%

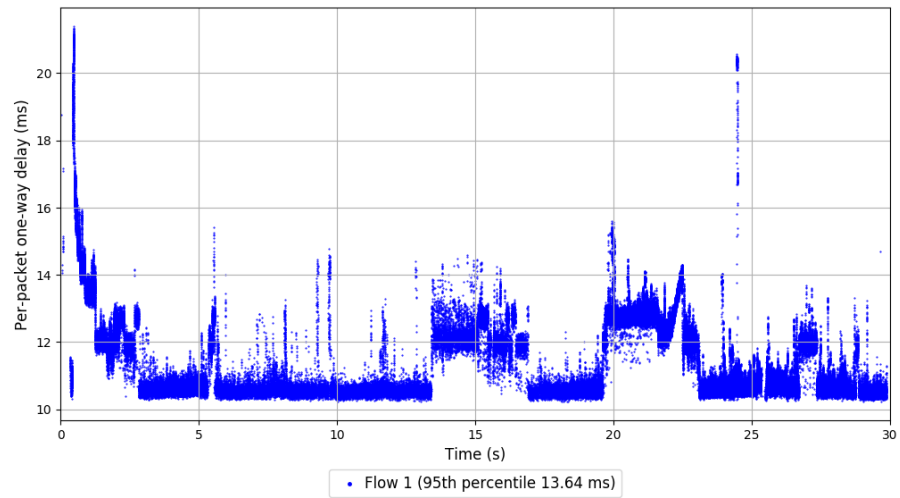
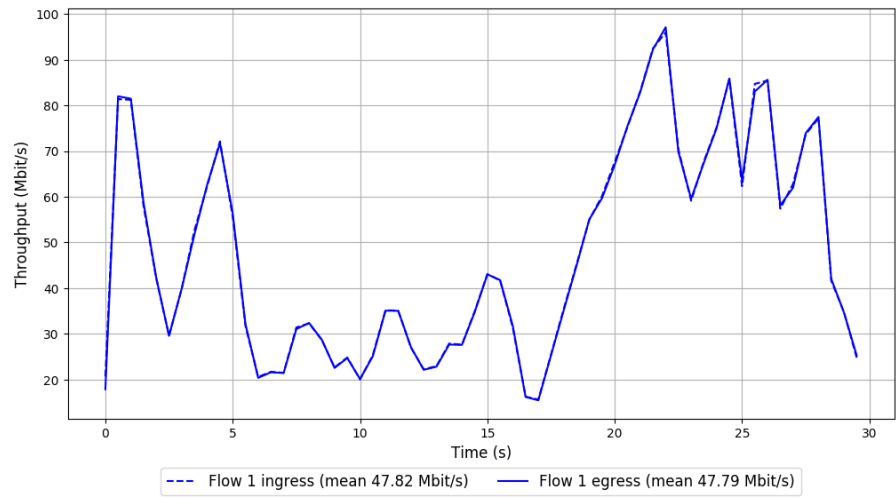
-- Flow 1:

Average throughput: 47.79 Mbit/s

95th percentile per-packet one-way delay: 13.645 ms

Loss rate: 0.09%

Run 3: Report of QUIC Cubic — Data Link

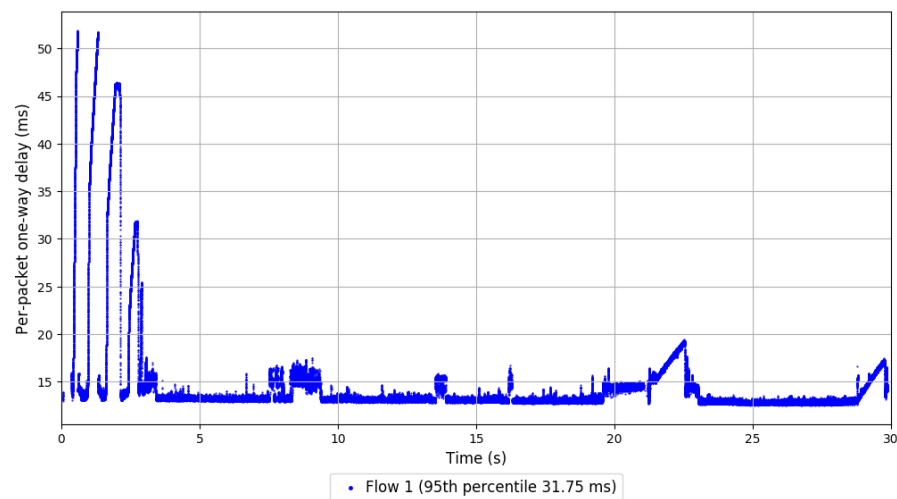
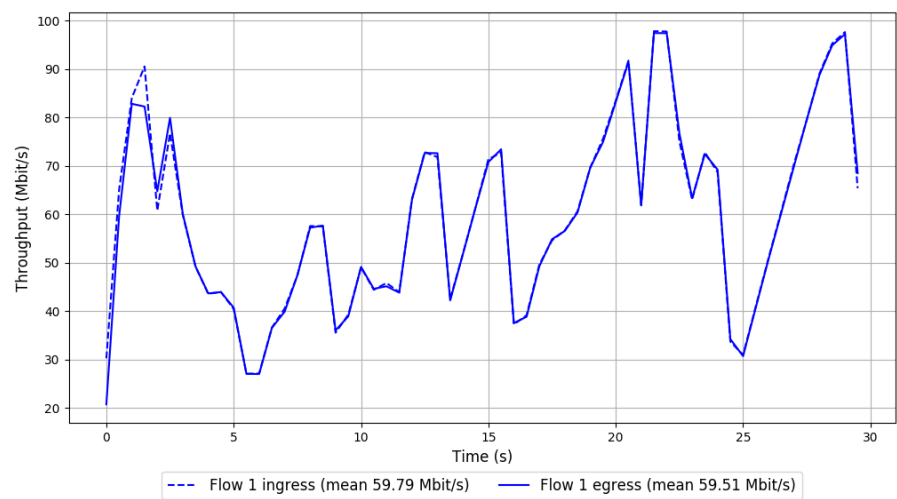


Run 4: Statistics of QUIC Cubic

Start at: 2018-04-24 09:35:47
End at: 2018-04-24 09:36:17
Local clock offset: -8.924 ms
Remote clock offset: -2.201 ms

Below is generated by plot.py at 2018-04-24 12:08:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.51 Mbit/s
95th percentile per-packet one-way delay: 31.754 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 59.51 Mbit/s
95th percentile per-packet one-way delay: 31.754 ms
Loss rate: 0.48%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-04-24 09:55:21

End at: 2018-04-24 09:55:51

Local clock offset: -3.426 ms

Remote clock offset: 10.54 ms

Below is generated by plot.py at 2018-04-24 12:08:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.42 Mbit/s

95th percentile per-packet one-way delay: 12.820 ms

Loss rate: 0.82%

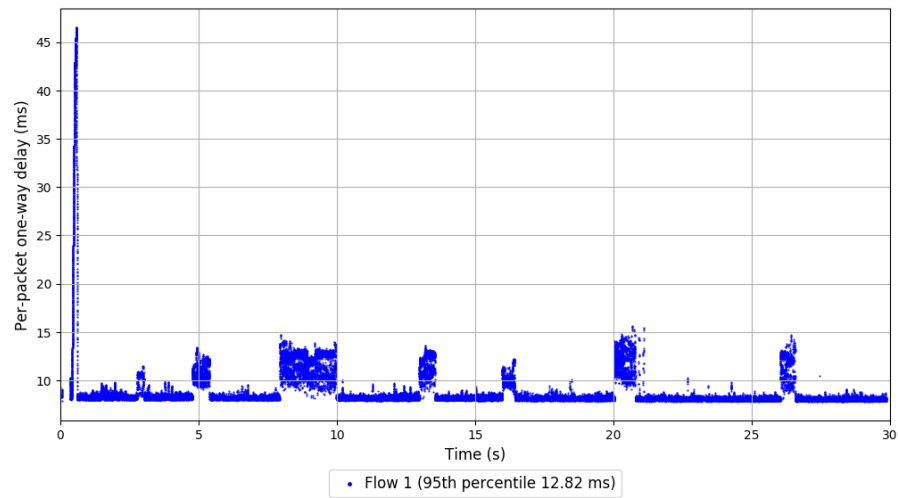
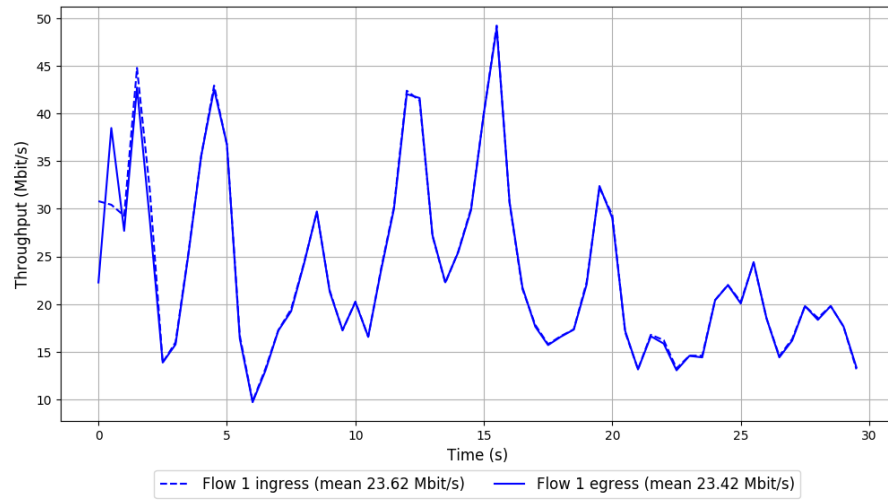
-- Flow 1:

Average throughput: 23.42 Mbit/s

95th percentile per-packet one-way delay: 12.820 ms

Loss rate: 0.82%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-04-24 10:14:44

End at: 2018-04-24 10:15:14

Local clock offset: -4.072 ms

Remote clock offset: 16.102 ms

Below is generated by plot.py at 2018-04-24 12:08:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 36.19 Mbit/s

95th percentile per-packet one-way delay: 32.804 ms

Loss rate: 1.17%

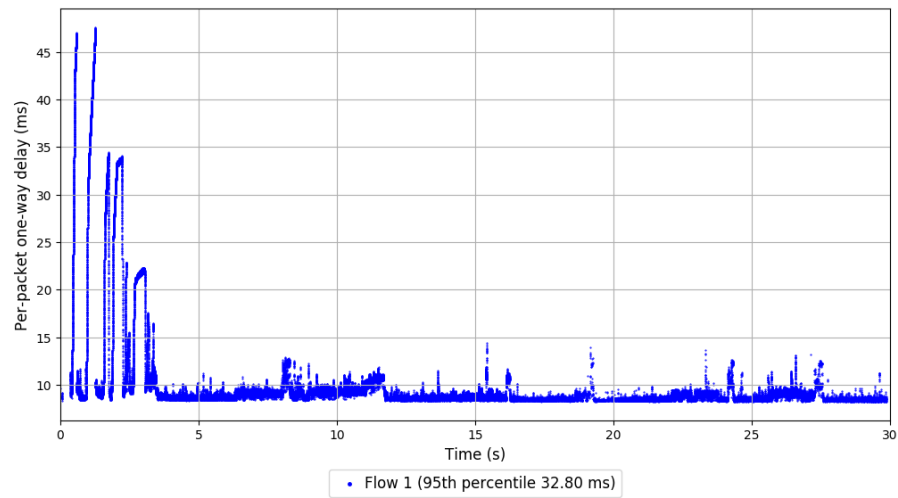
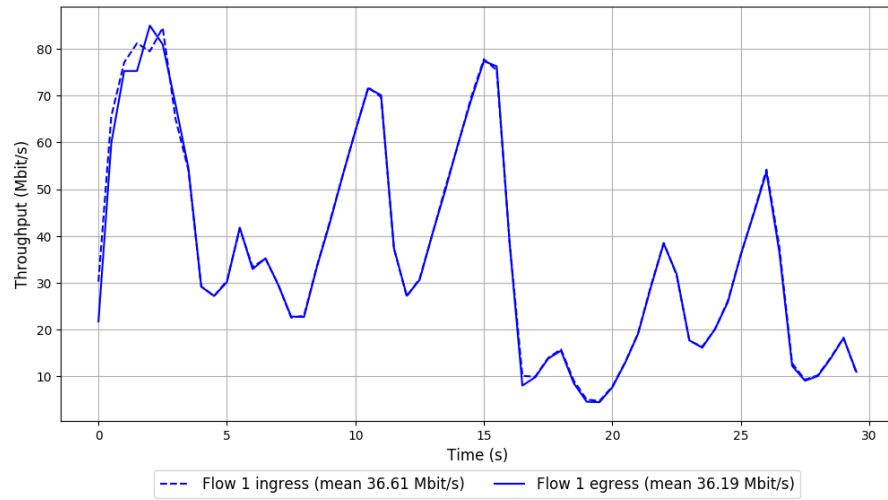
-- Flow 1:

Average throughput: 36.19 Mbit/s

95th percentile per-packet one-way delay: 32.804 ms

Loss rate: 1.17%

Run 6: Report of QUIC Cubic — Data Link

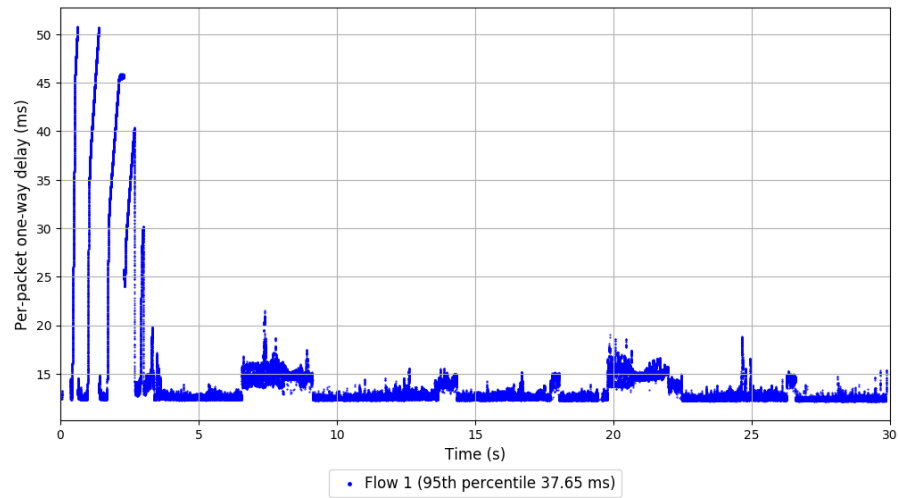
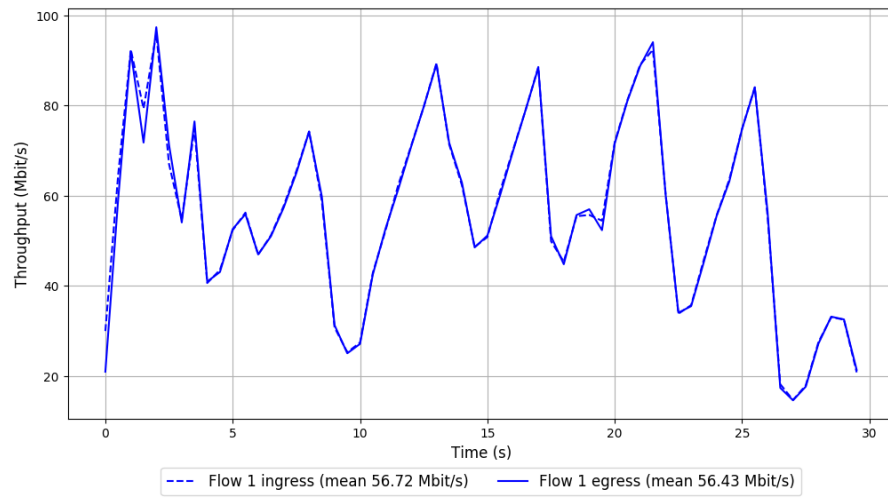


Run 7: Statistics of QUIC Cubic

Start at: 2018-04-24 10:34:19
End at: 2018-04-24 10:34:49
Local clock offset: -4.422 ms
Remote clock offset: 25.373 ms

Below is generated by plot.py at 2018-04-24 12:09:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 56.43 Mbit/s
95th percentile per-packet one-way delay: 37.652 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 56.43 Mbit/s
95th percentile per-packet one-way delay: 37.652 ms
Loss rate: 0.52%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-04-24 10:53:53

End at: 2018-04-24 10:54:23

Local clock offset: -6.563 ms

Remote clock offset: -1.189 ms

Below is generated by plot.py at 2018-04-24 12:09:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.61 Mbit/s

95th percentile per-packet one-way delay: 14.485 ms

Loss rate: 0.60%

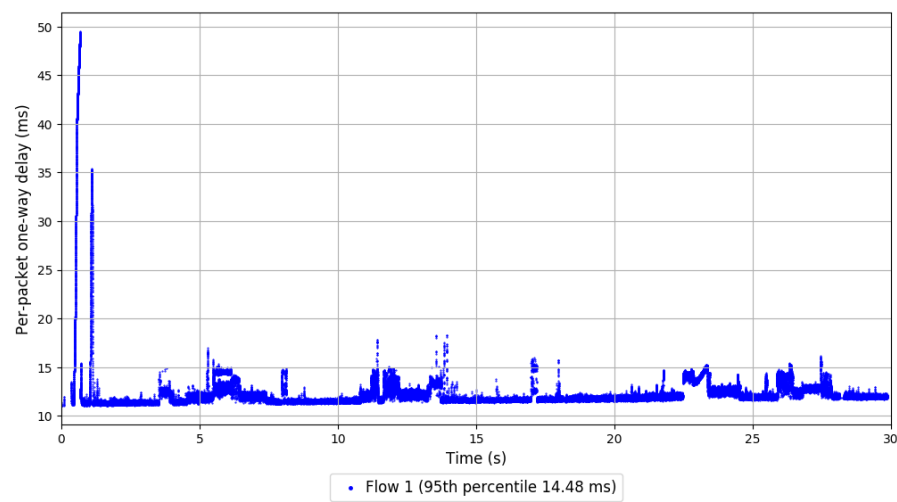
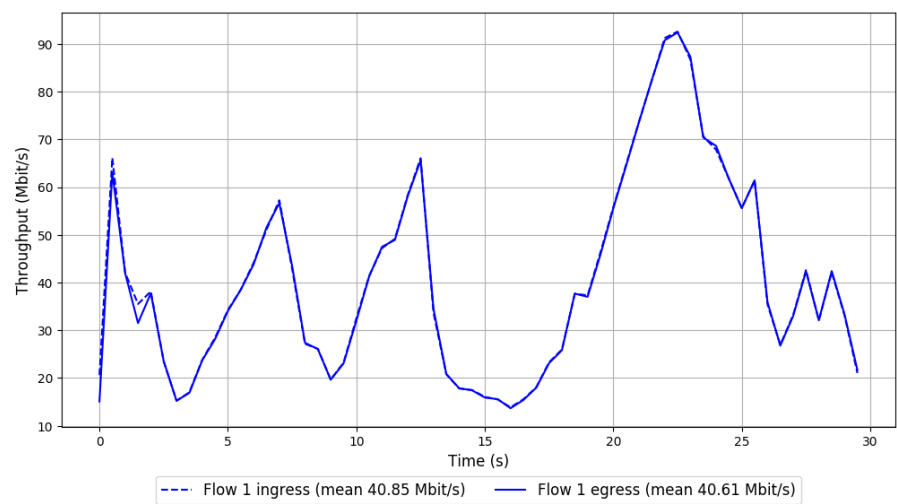
-- Flow 1:

Average throughput: 40.61 Mbit/s

95th percentile per-packet one-way delay: 14.485 ms

Loss rate: 0.60%

Run 8: Report of QUIC Cubic — Data Link

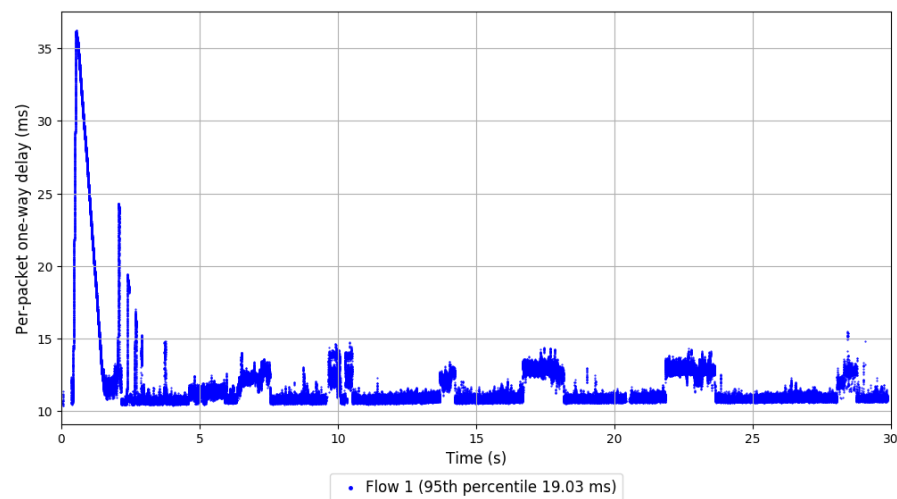
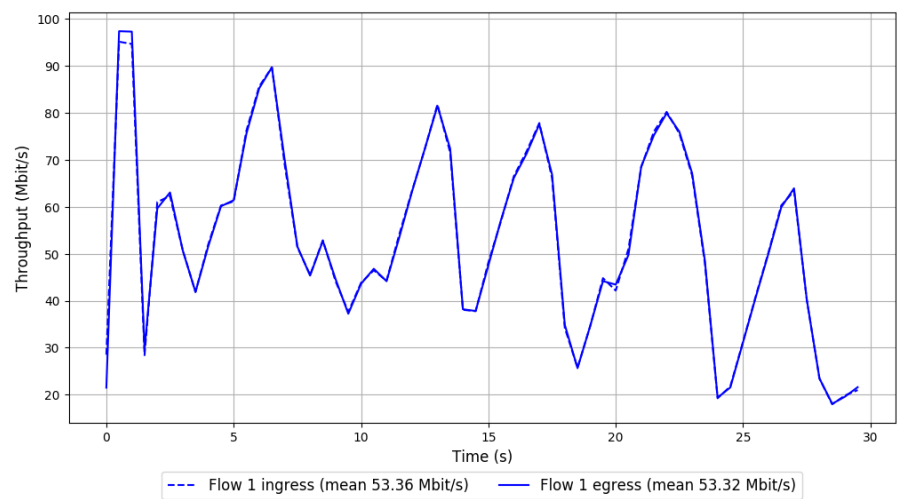


Run 9: Statistics of QUIC Cubic

Start at: 2018-04-24 11:13:23
End at: 2018-04-24 11:13:53
Local clock offset: -11.507 ms
Remote clock offset: -20.992 ms

Below is generated by plot.py at 2018-04-24 12:09:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 53.32 Mbit/s
95th percentile per-packet one-way delay: 19.034 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 53.32 Mbit/s
95th percentile per-packet one-way delay: 19.034 ms
Loss rate: 0.07%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-04-24 11:33:04

End at: 2018-04-24 11:33:34

Local clock offset: -4.545 ms

Remote clock offset: -7.203 ms

Below is generated by plot.py at 2018-04-24 12:09:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.61 Mbit/s

95th percentile per-packet one-way delay: 40.811 ms

Loss rate: 0.40%

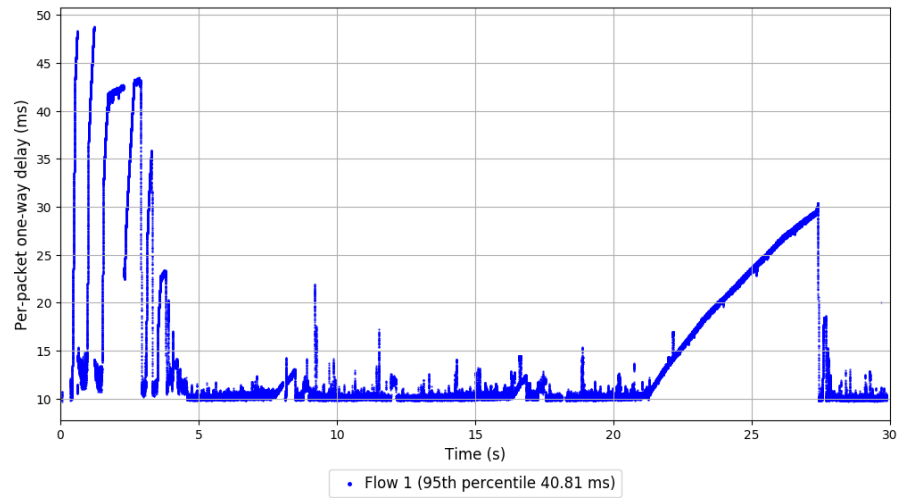
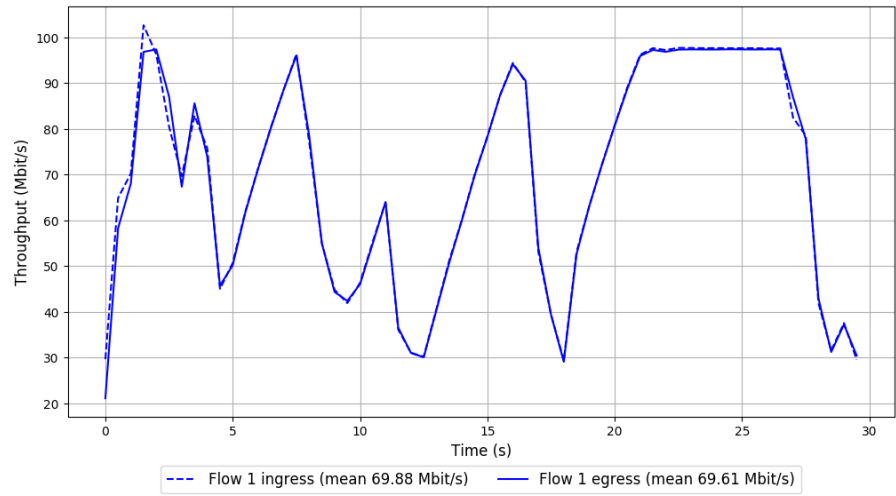
-- Flow 1:

Average throughput: 69.61 Mbit/s

95th percentile per-packet one-way delay: 40.811 ms

Loss rate: 0.40%

Run 10: Report of QUIC Cubic — Data Link

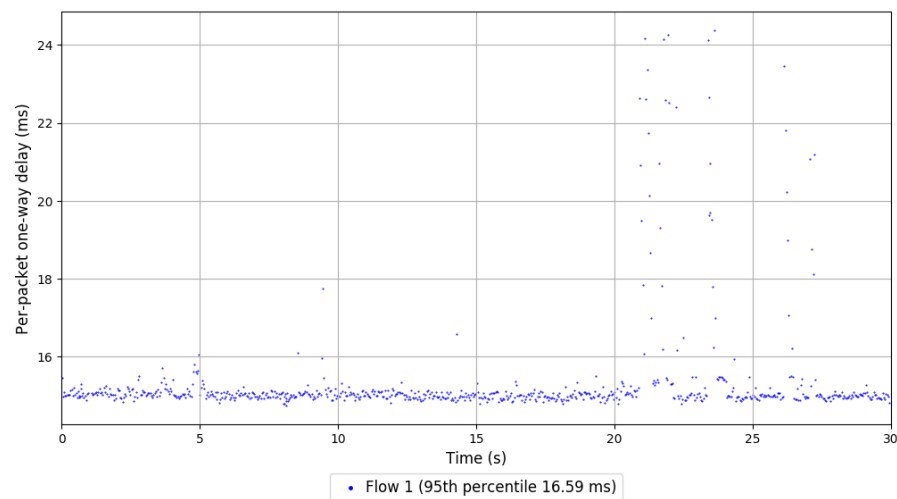
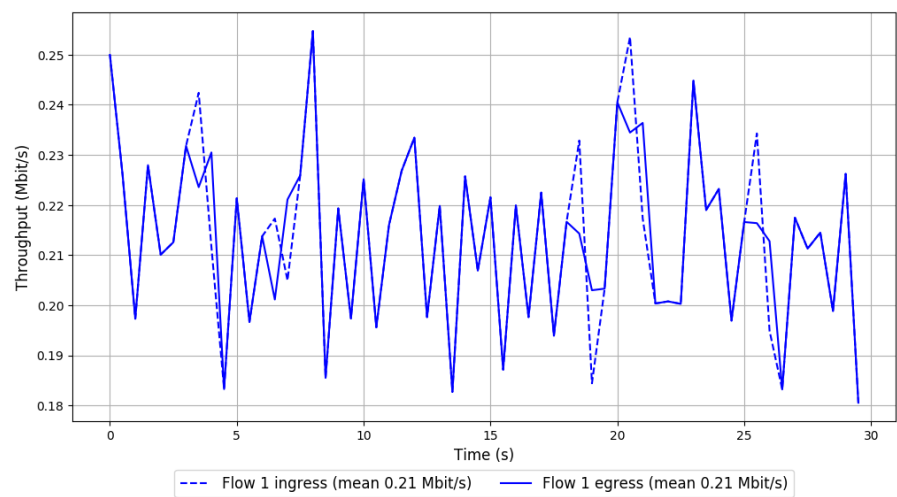


Run 1: Statistics of SCReAM

Start at: 2018-04-24 08:34:54
End at: 2018-04-24 08:35:24
Local clock offset: -5.2 ms
Remote clock offset: -4.666 ms

Below is generated by plot.py at 2018-04-24 12:09:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.588 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.588 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-04-24 08:54:23

End at: 2018-04-24 08:54:53

Local clock offset: -7.279 ms

Remote clock offset: 7.542 ms

Below is generated by plot.py at 2018-04-24 12:09:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 29.213 ms

Loss rate: 0.00%

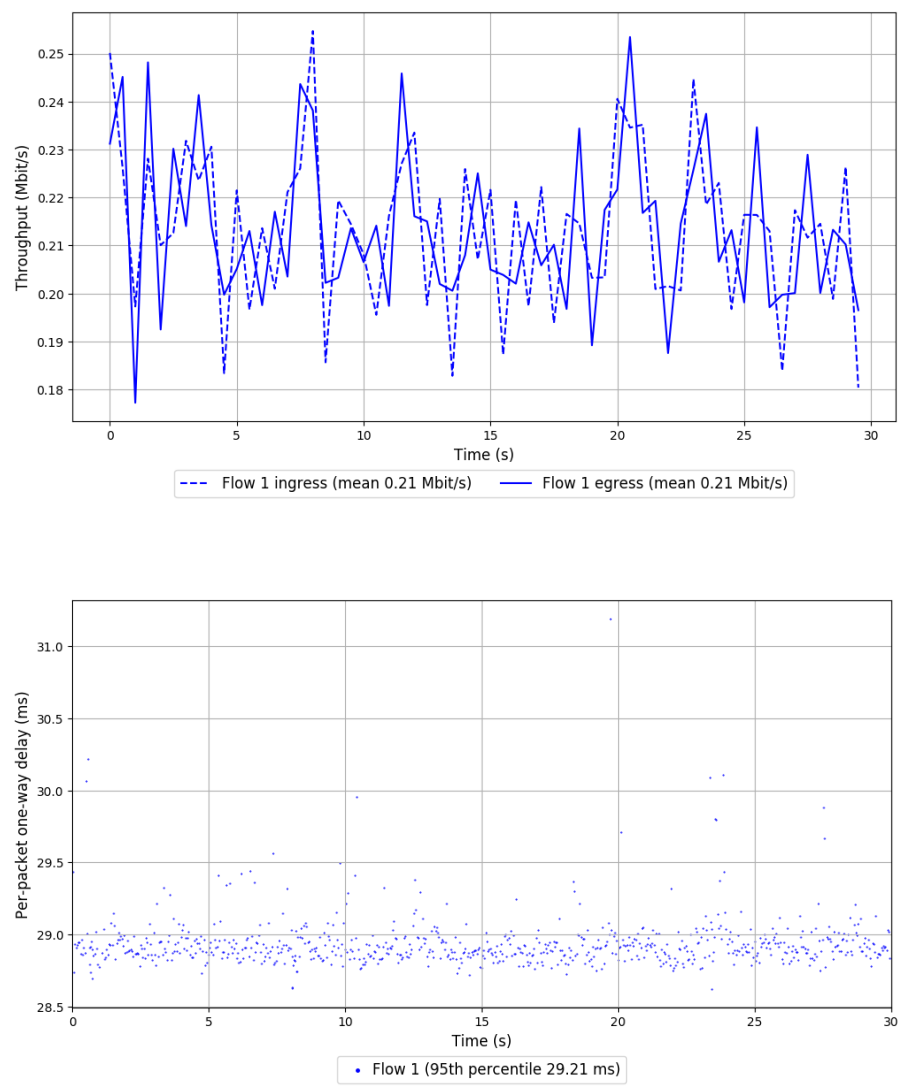
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 29.213 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

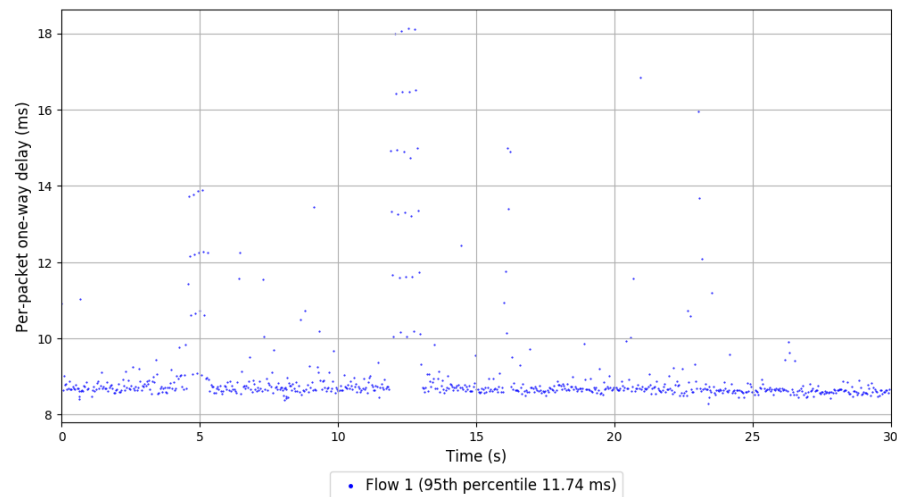
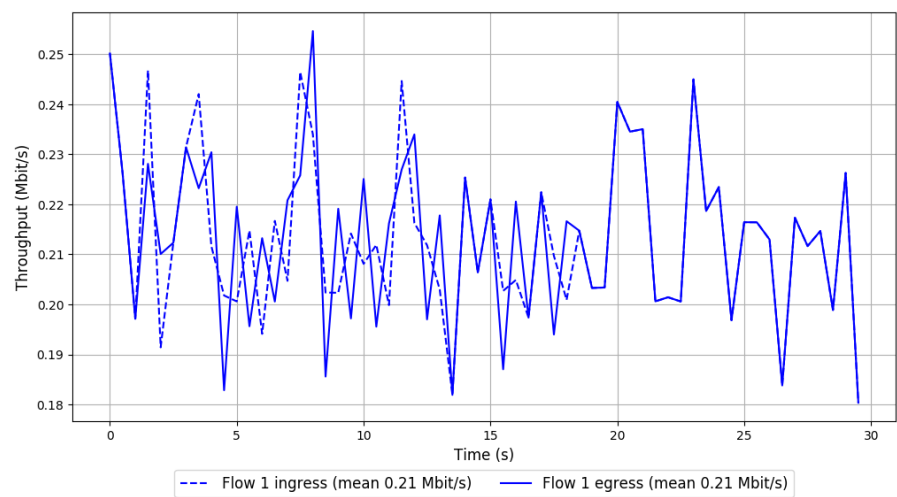


Run 3: Statistics of SCReAM

Start at: 2018-04-24 09:13:47
End at: 2018-04-24 09:14:17
Local clock offset: -3.648 ms
Remote clock offset: -4.786 ms

Below is generated by plot.py at 2018-04-24 12:09:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.737 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.737 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

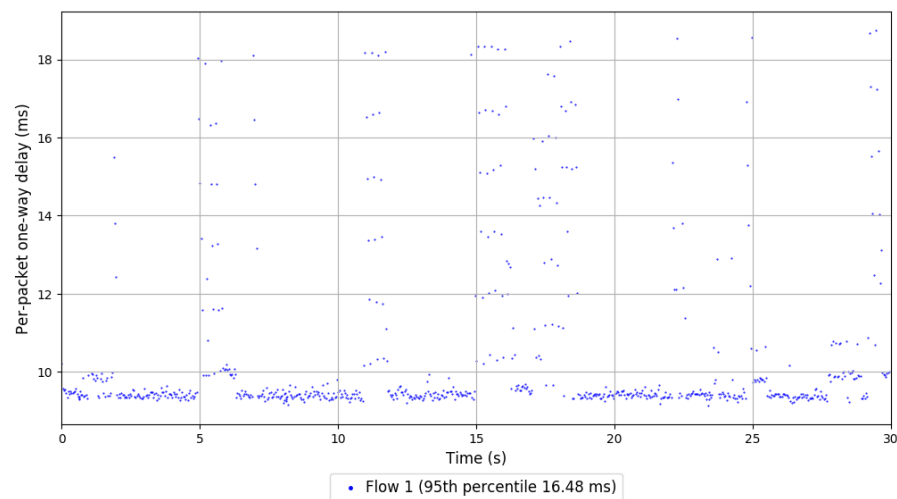
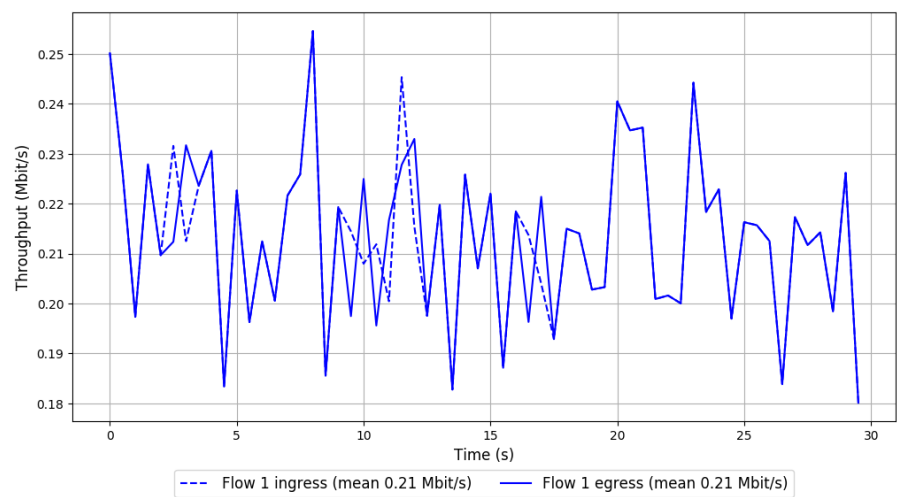


Run 4: Statistics of SCReAM

Start at: 2018-04-24 09:33:29
End at: 2018-04-24 09:33:59
Local clock offset: -4.659 ms
Remote clock offset: -2.788 ms

Below is generated by plot.py at 2018-04-24 12:09:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.476 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.476 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

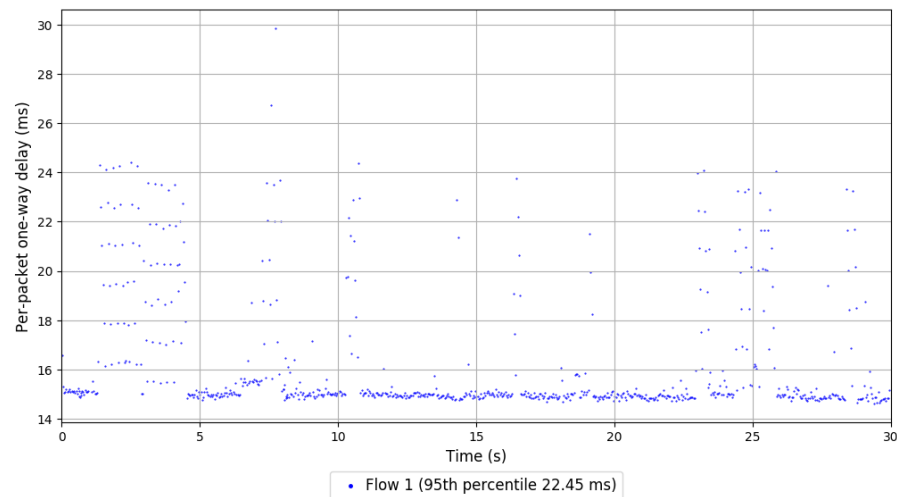
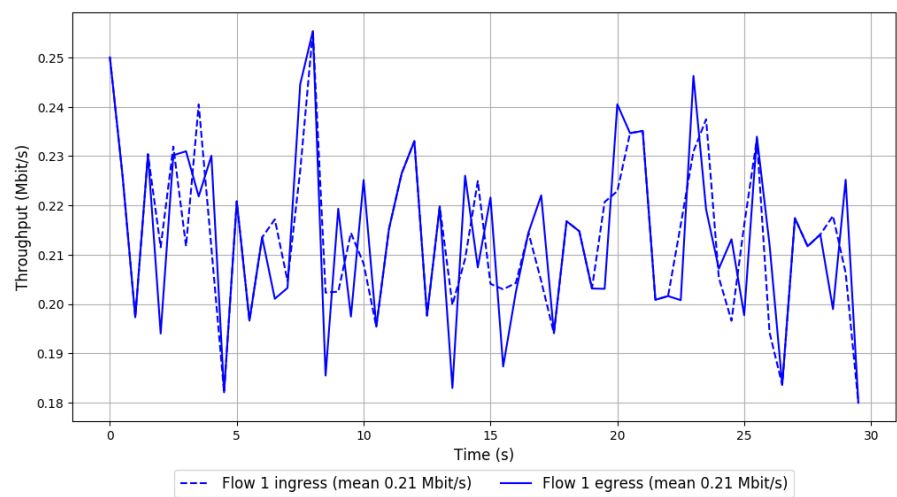


Run 5: Statistics of SCReAM

Start at: 2018-04-24 09:53:07
End at: 2018-04-24 09:53:37
Local clock offset: -6.004 ms
Remote clock offset: 13.818 ms

Below is generated by plot.py at 2018-04-24 12:09:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 22.452 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 22.452 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

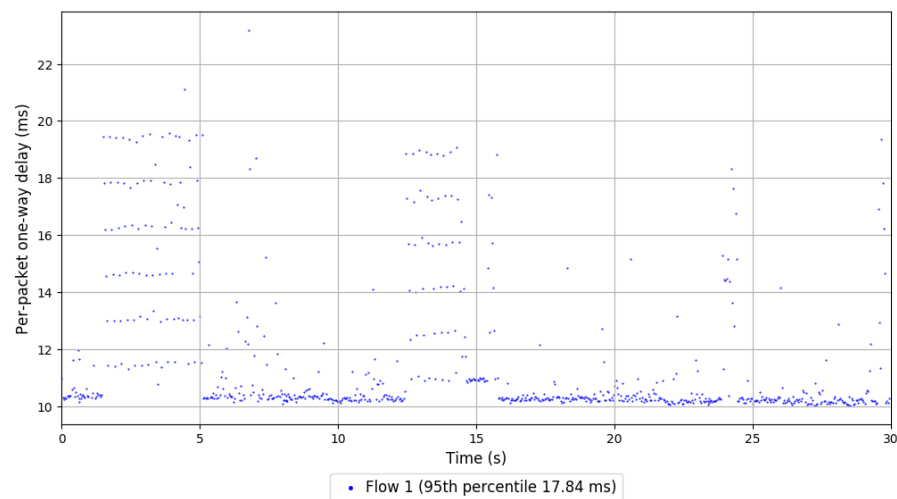
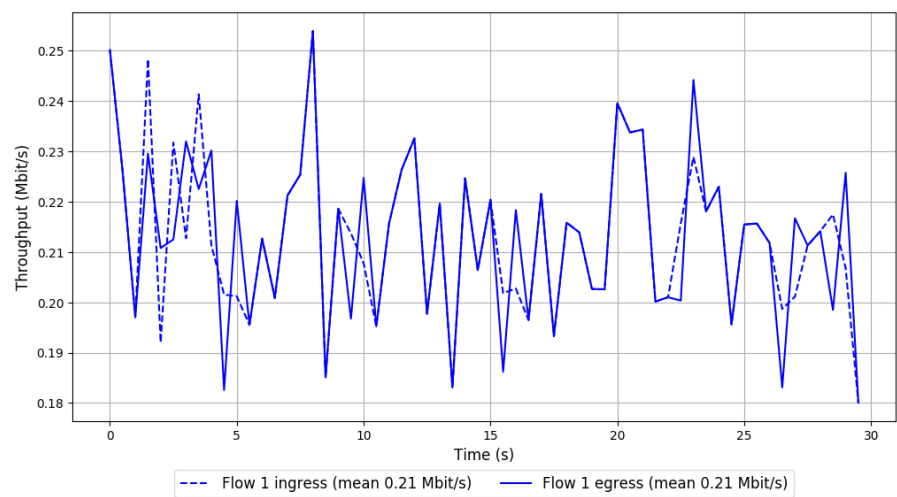


Run 6: Statistics of SReAM

Start at: 2018-04-24 10:12:29
End at: 2018-04-24 10:12:59
Local clock offset: -5.329 ms
Remote clock offset: 15.753 ms

Below is generated by plot.py at 2018-04-24 12:09:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.844 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.844 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-04-24 10:32:05

End at: 2018-04-24 10:32:35

Local clock offset: -4.552 ms

Remote clock offset: 31.05 ms

Below is generated by plot.py at 2018-04-24 12:09:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 24.632 ms

Loss rate: 0.00%

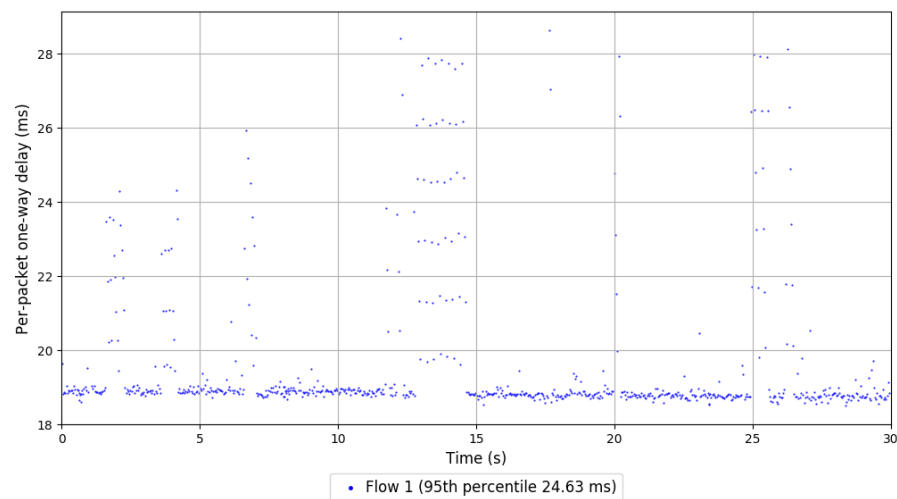
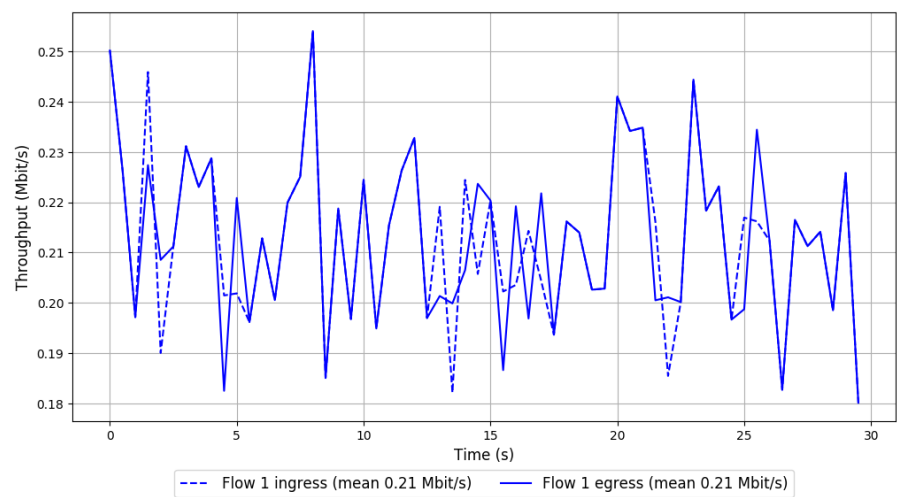
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 24.632 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-04-24 10:51:36

End at: 2018-04-24 10:52:06

Local clock offset: -4.542 ms

Remote clock offset: 1.814 ms

Below is generated by plot.py at 2018-04-24 12:09:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 13.066 ms

Loss rate: 0.00%

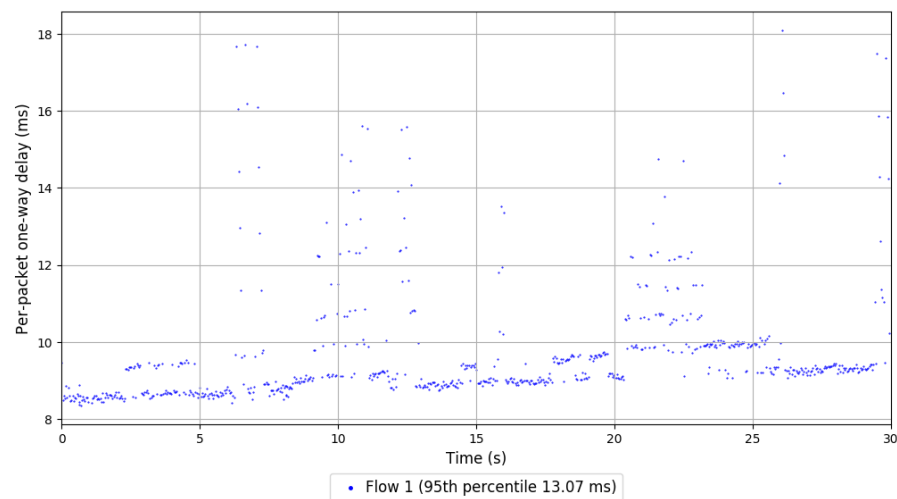
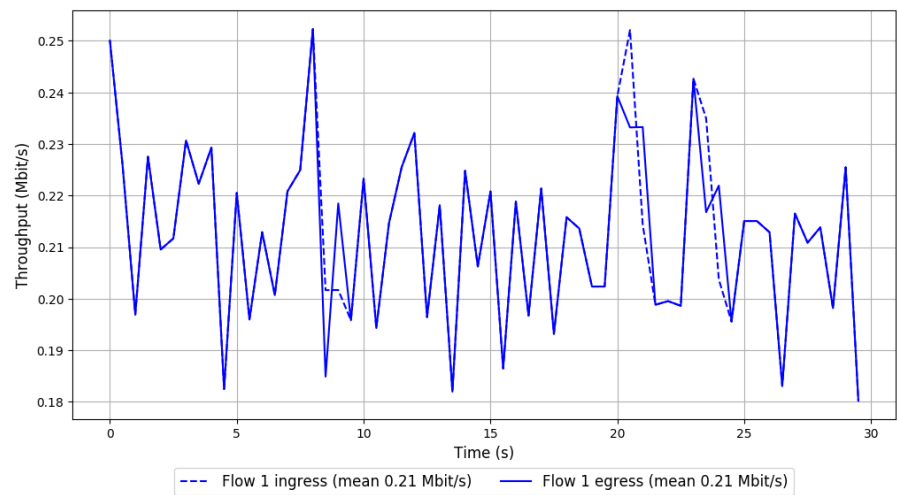
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 13.066 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

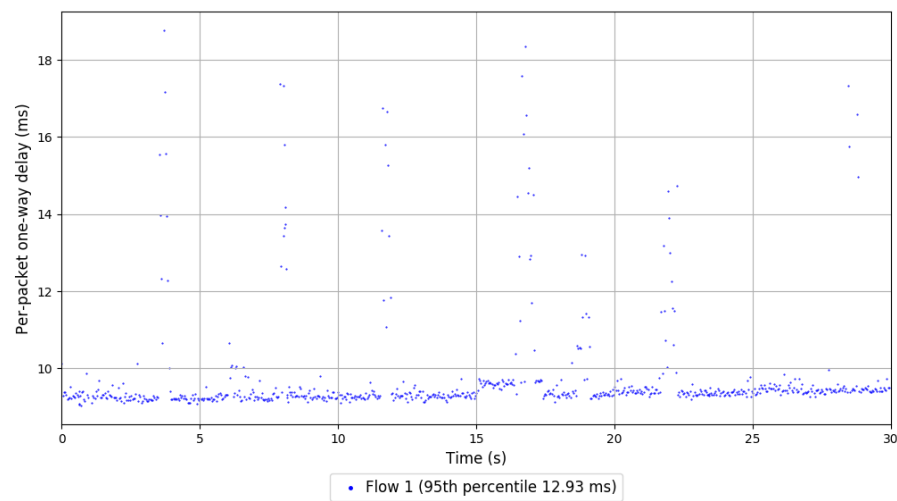
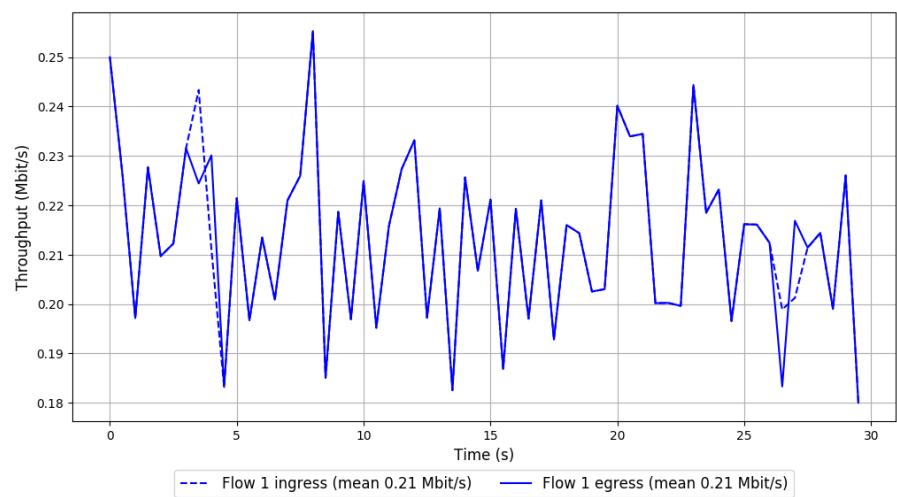


Run 9: Statistics of SCReAM

Start at: 2018-04-24 11:11:05
End at: 2018-04-24 11:11:35
Local clock offset: -4.346 ms
Remote clock offset: -14.264 ms

Below is generated by plot.py at 2018-04-24 12:09:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 12.933 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 12.933 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

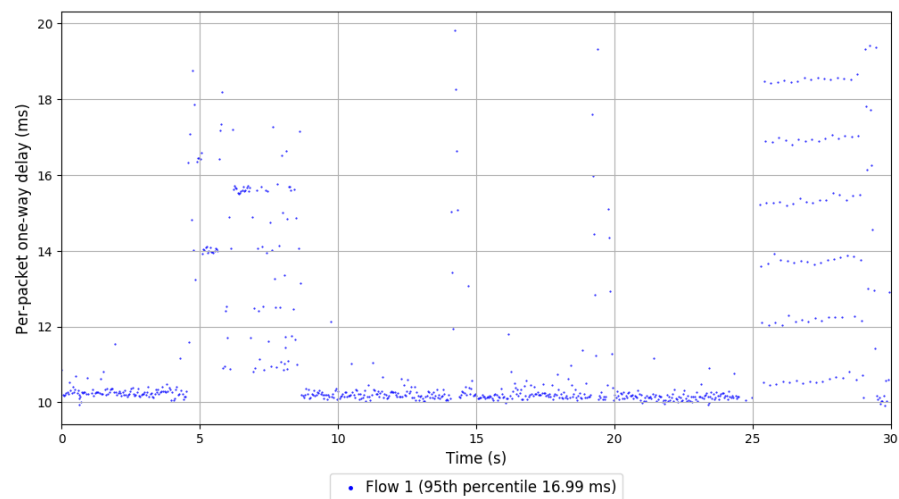
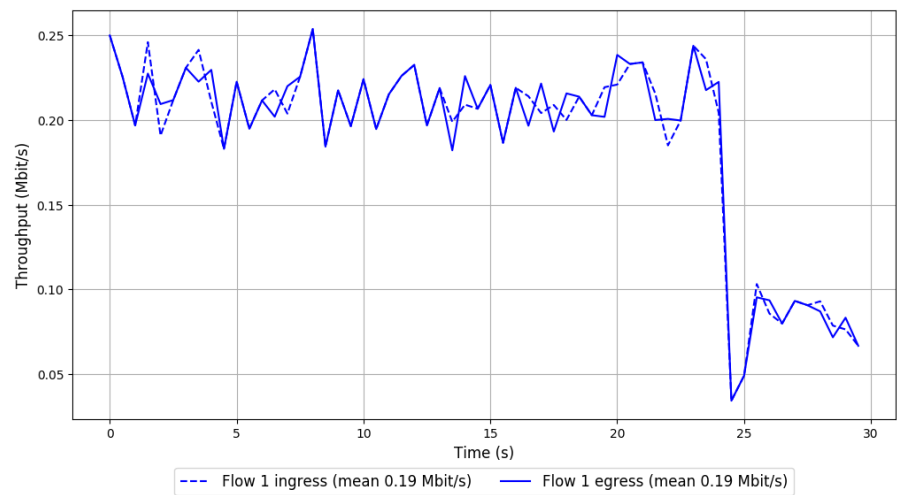


Run 10: Statistics of SReAM

Start at: 2018-04-24 11:30:43
End at: 2018-04-24 11:31:13
Local clock offset: -4.903 ms
Remote clock offset: -7.866 ms

Below is generated by plot.py at 2018-04-24 12:09:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 16.987 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 16.987 ms
Loss rate: 0.05%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-04-24 08:40:34

End at: 2018-04-24 08:41:04

Local clock offset: -7.501 ms

Remote clock offset: 4.774 ms

Below is generated by plot.py at 2018-04-24 12:09:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 28.408 ms

Loss rate: 0.00%

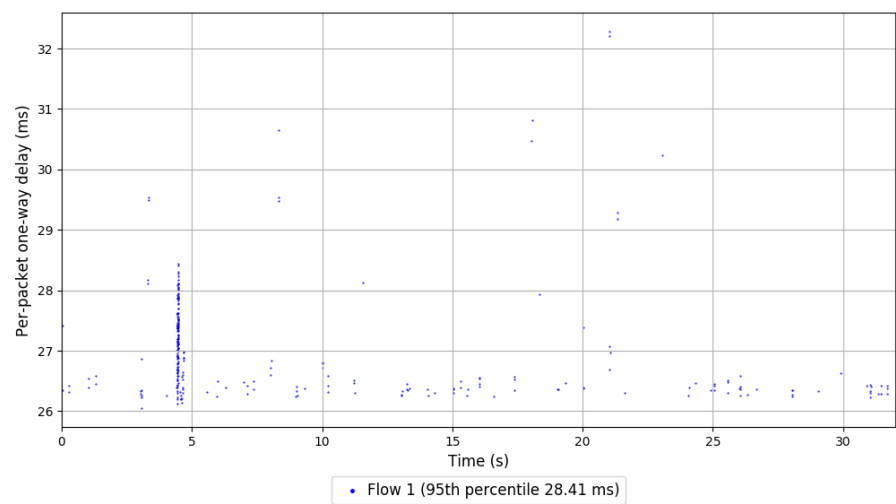
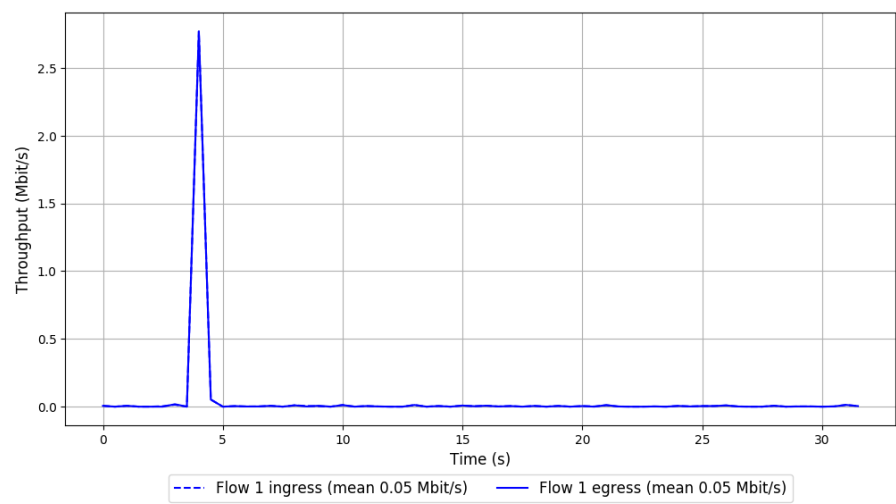
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 28.408 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

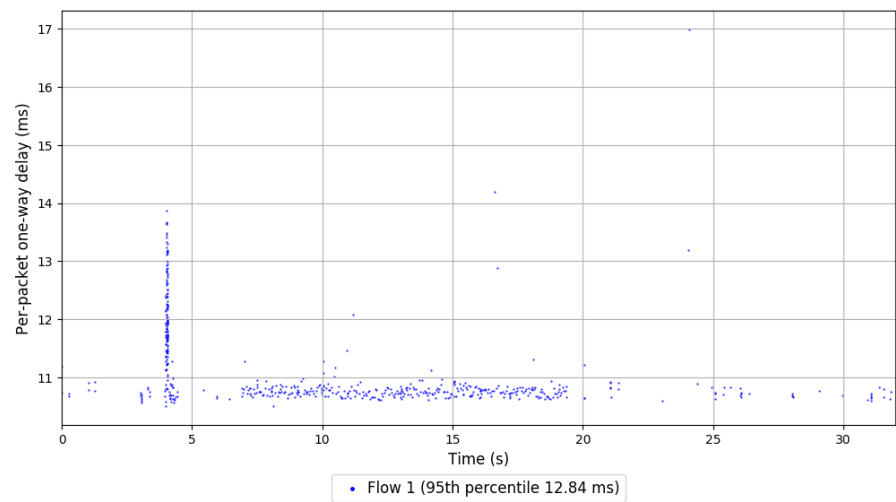
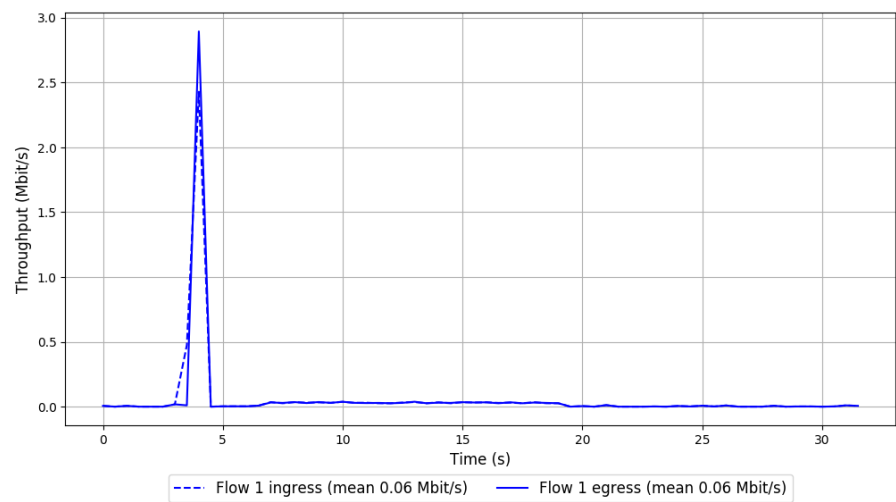


Run 2: Statistics of WebRTC media

Start at: 2018-04-24 09:00:05
End at: 2018-04-24 09:00:35
Local clock offset: -4.848 ms
Remote clock offset: -7.945 ms

Below is generated by plot.py at 2018-04-24 12:09:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 12.842 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 12.842 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-04-24 09:19:39

End at: 2018-04-24 09:20:09

Local clock offset: -4.686 ms

Remote clock offset: -4.67 ms

Below is generated by plot.py at 2018-04-24 12:09:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 11.721 ms

Loss rate: 0.00%

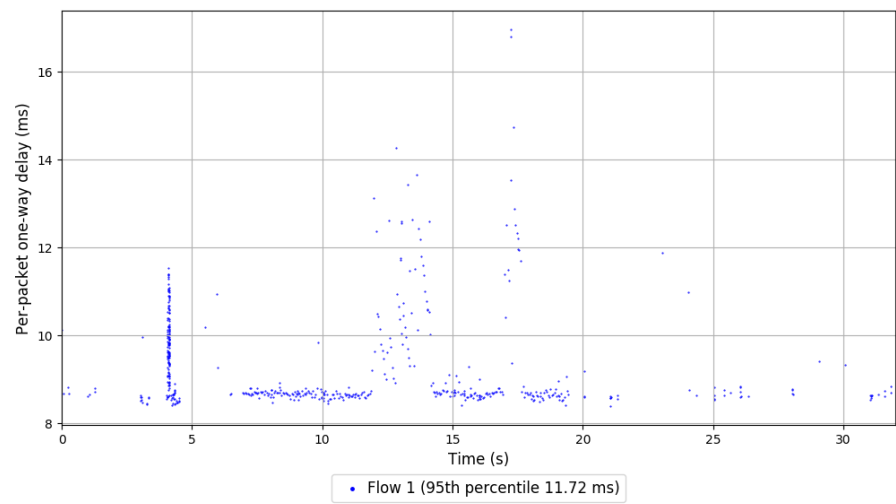
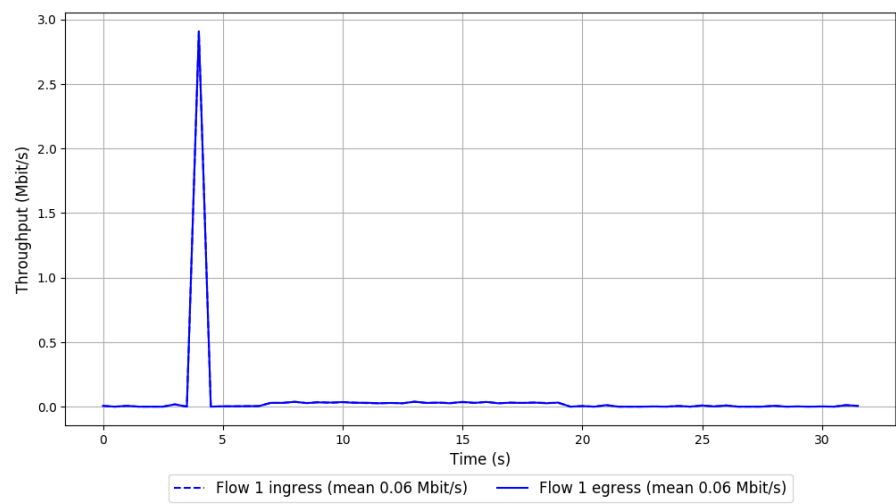
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 11.721 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-04-24 09:39:20

End at: 2018-04-24 09:39:50

Local clock offset: -3.687 ms

Remote clock offset: 1.265 ms

Below is generated by plot.py at 2018-04-24 12:09:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 15.193 ms

Loss rate: 0.00%

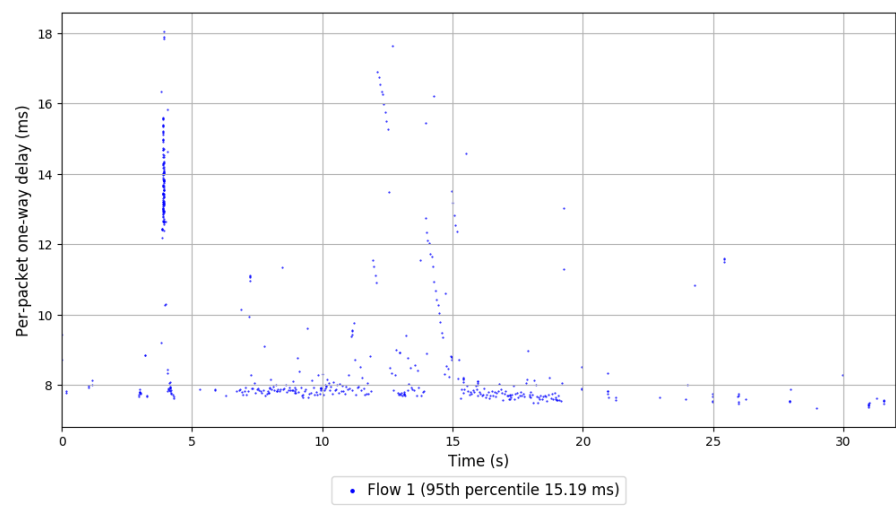
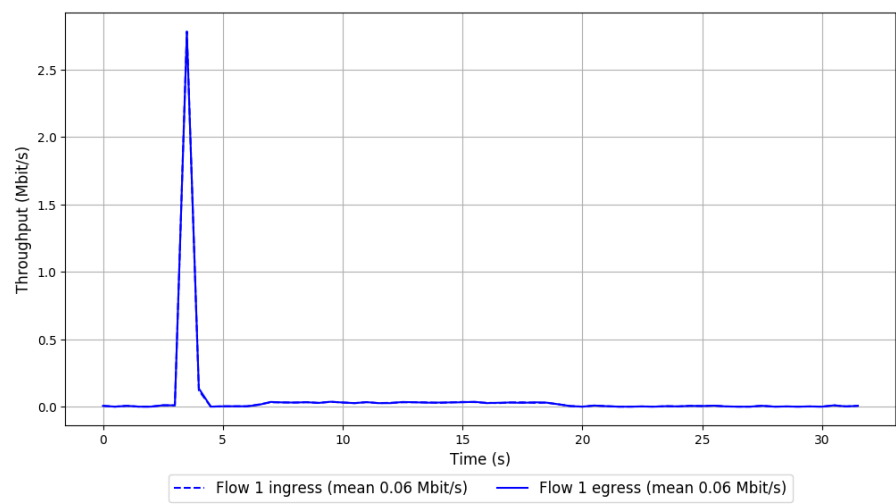
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 15.193 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-04-24 09:58:49

End at: 2018-04-24 09:59:19

Local clock offset: -6.013 ms

Remote clock offset: 6.621 ms

Below is generated by plot.py at 2018-04-24 12:09:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 13.213 ms

Loss rate: 0.00%

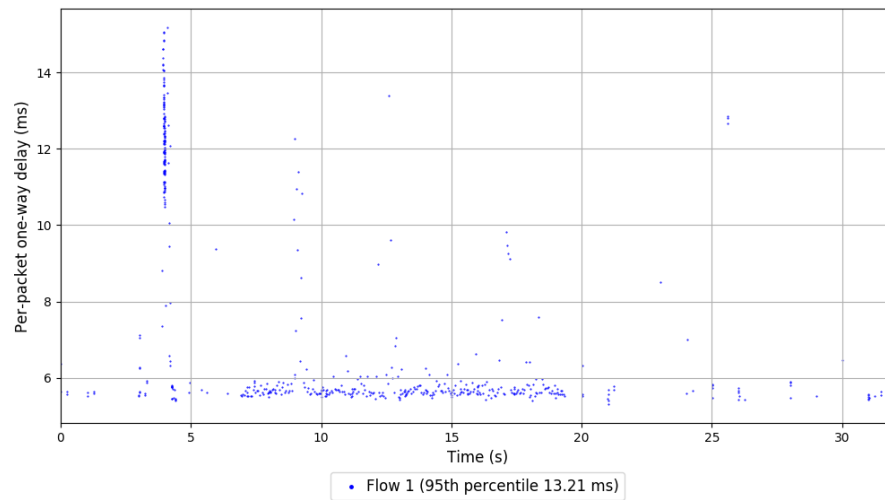
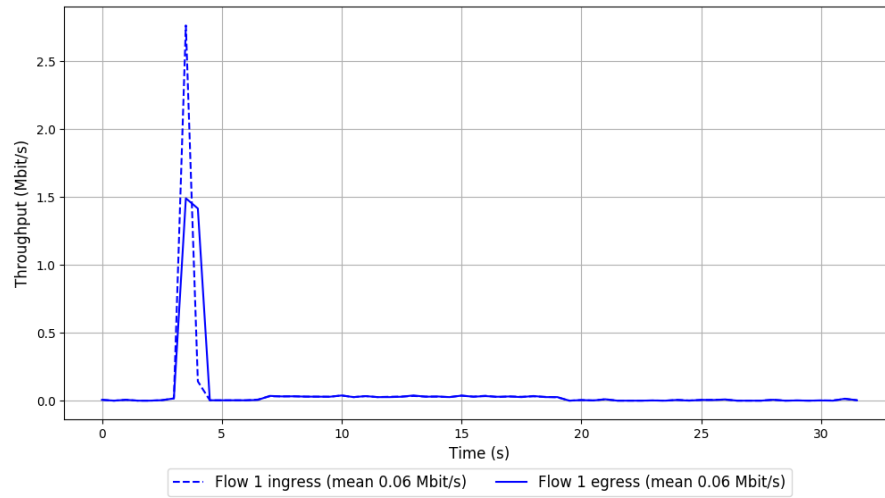
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 13.213 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

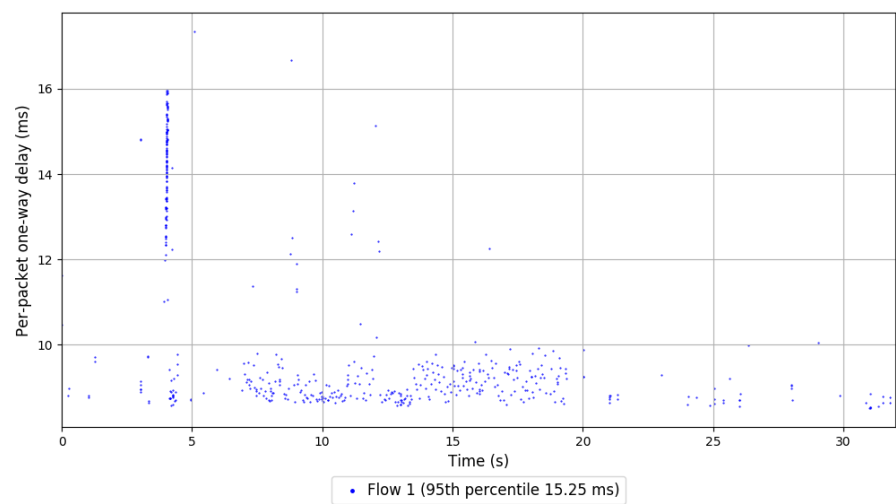
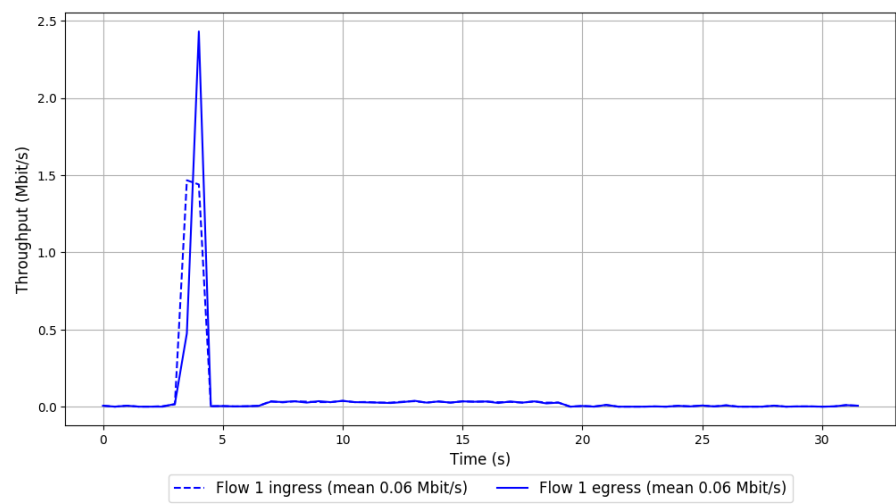


Run 6: Statistics of WebRTC media

Start at: 2018-04-24 10:18:15
End at: 2018-04-24 10:18:45
Local clock offset: -3.79 ms
Remote clock offset: 17.861 ms

Below is generated by plot.py at 2018-04-24 12:09:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 15.253 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 15.253 ms
Loss rate: 0.39%

Run 6: Report of WebRTC media — Data Link

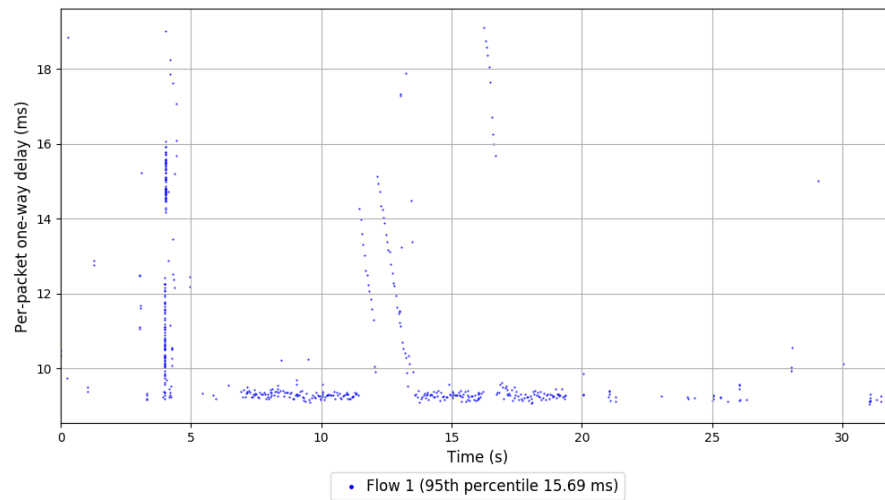
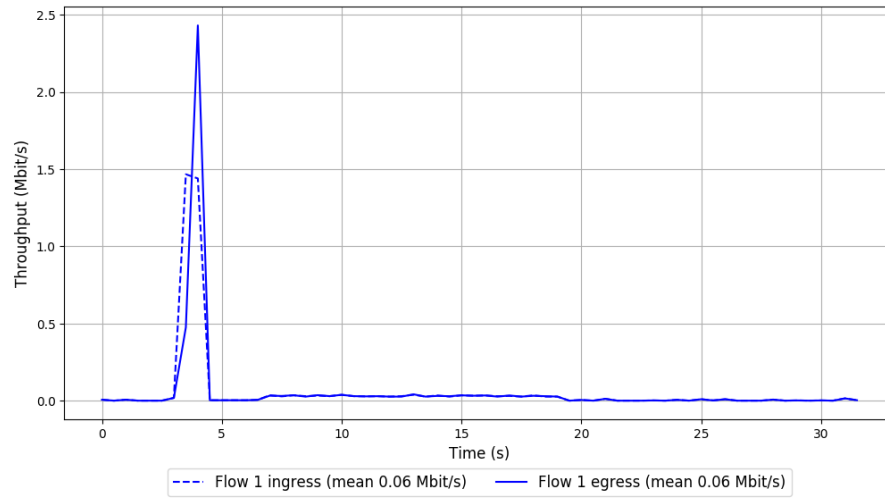


Run 7: Statistics of WebRTC media

Start at: 2018-04-24 10:37:48
End at: 2018-04-24 10:38:18
Local clock offset: -4.51 ms
Remote clock offset: 23.347 ms

Below is generated by plot.py at 2018-04-24 12:09:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 15.691 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 15.691 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

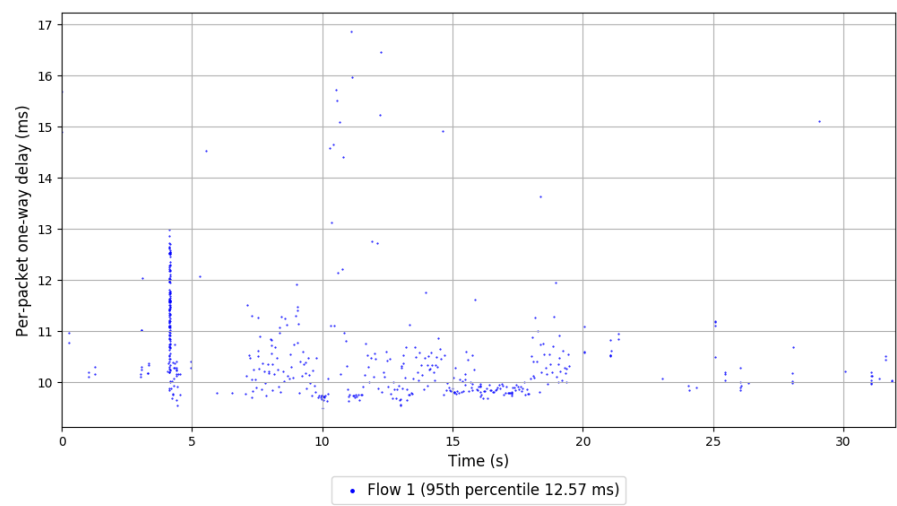
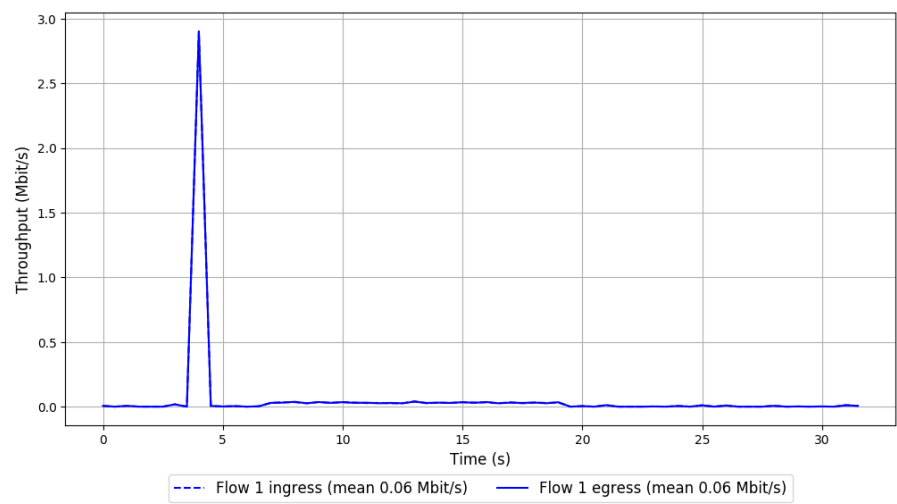


Run 8: Statistics of WebRTC media

Start at: 2018-04-24 10:57:23
End at: 2018-04-24 10:57:53
Local clock offset: -5.012 ms
Remote clock offset: -5.354 ms

Below is generated by plot.py at 2018-04-24 12:09:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 12.573 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 12.573 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

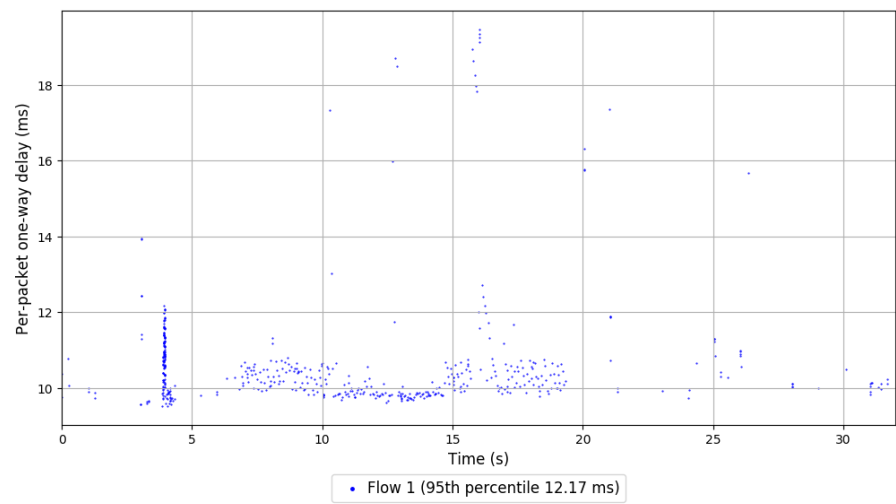
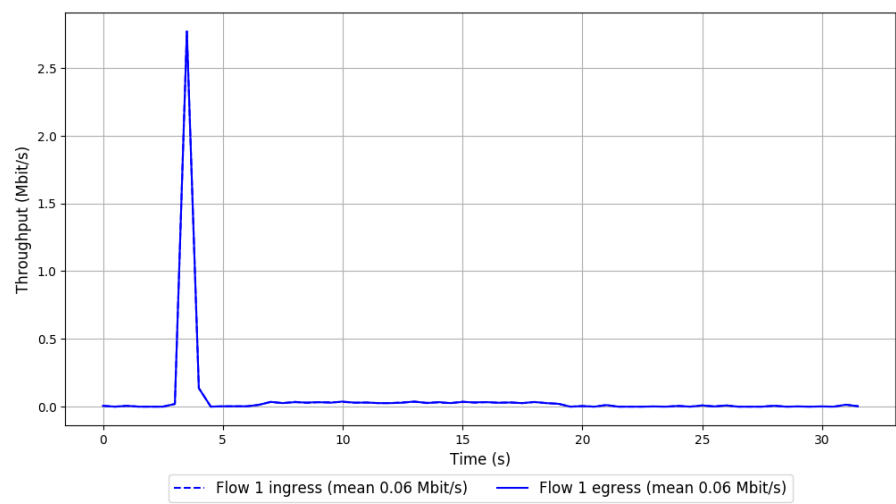


Run 9: Statistics of WebRTC media

Start at: 2018-04-24 11:16:59
End at: 2018-04-24 11:17:29
Local clock offset: -5.667 ms
Remote clock offset: -17.516 ms

Below is generated by plot.py at 2018-04-24 12:09:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 12.174 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 12.174 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

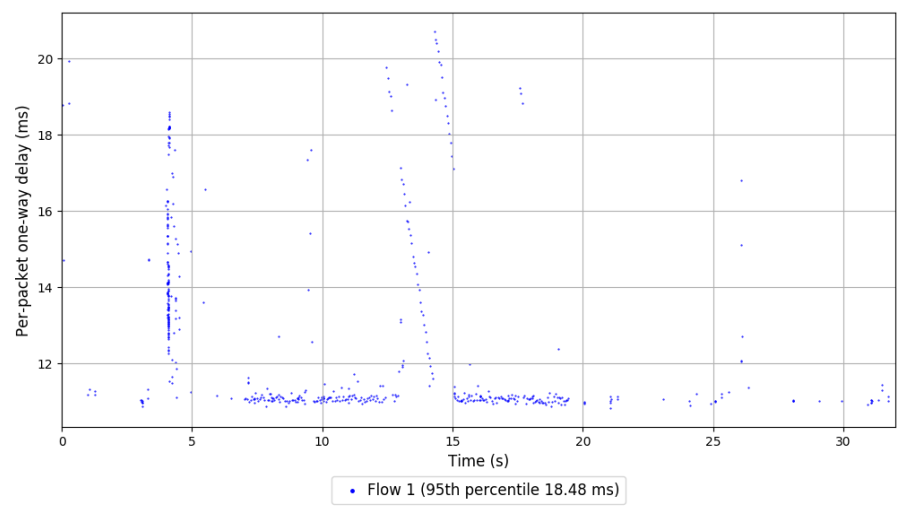
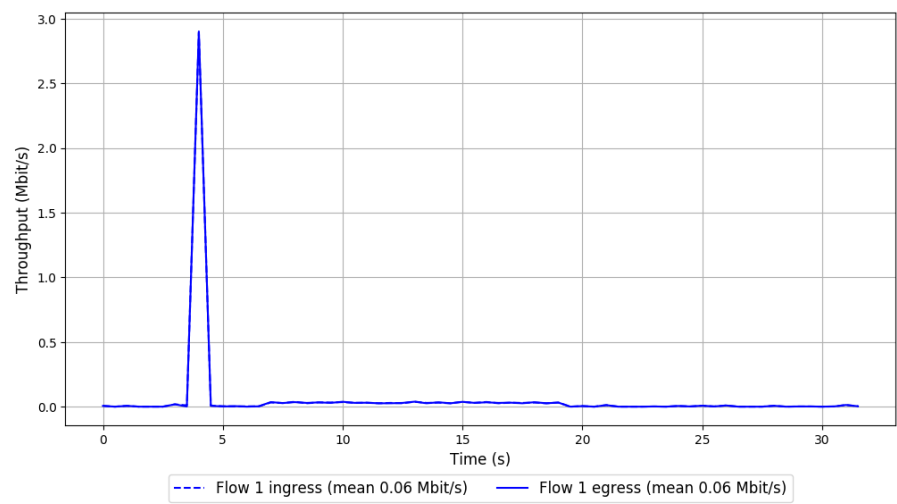


Run 10: Statistics of WebRTC media

Start at: 2018-04-24 11:36:37
End at: 2018-04-24 11:37:07
Local clock offset: -6.346 ms
Remote clock offset: -7.332 ms

Below is generated by plot.py at 2018-04-24 12:09:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 18.485 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 18.485 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-04-24 08:23:27

End at: 2018-04-24 08:23:57

Local clock offset: -7.196 ms

Remote clock offset: 8.661 ms

Below is generated by plot.py at 2018-04-24 12:09:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.57 Mbit/s

95th percentile per-packet one-way delay: 39.894 ms

Loss rate: 0.00%

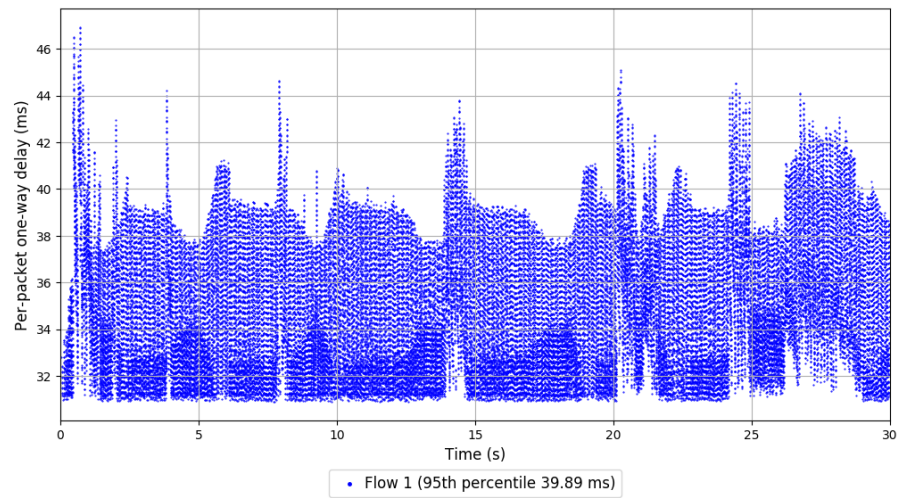
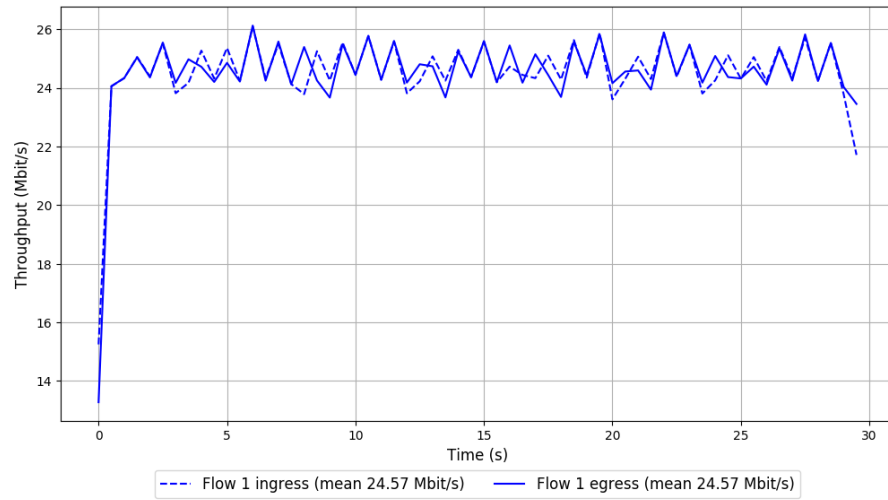
-- Flow 1:

Average throughput: 24.57 Mbit/s

95th percentile per-packet one-way delay: 39.894 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-04-24 08:42:55

End at: 2018-04-24 08:43:25

Local clock offset: -7.852 ms

Remote clock offset: 1.498 ms

Below is generated by plot.py at 2018-04-24 12:09:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.30 Mbit/s

95th percentile per-packet one-way delay: 30.533 ms

Loss rate: 0.00%

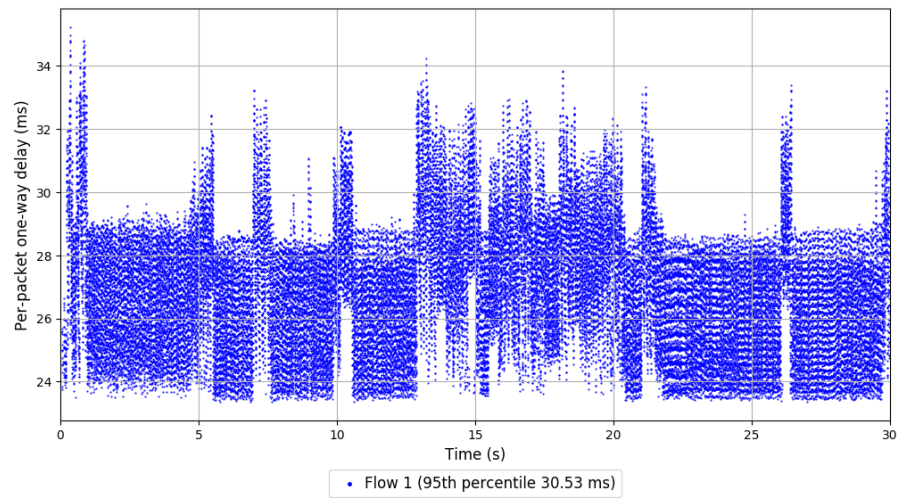
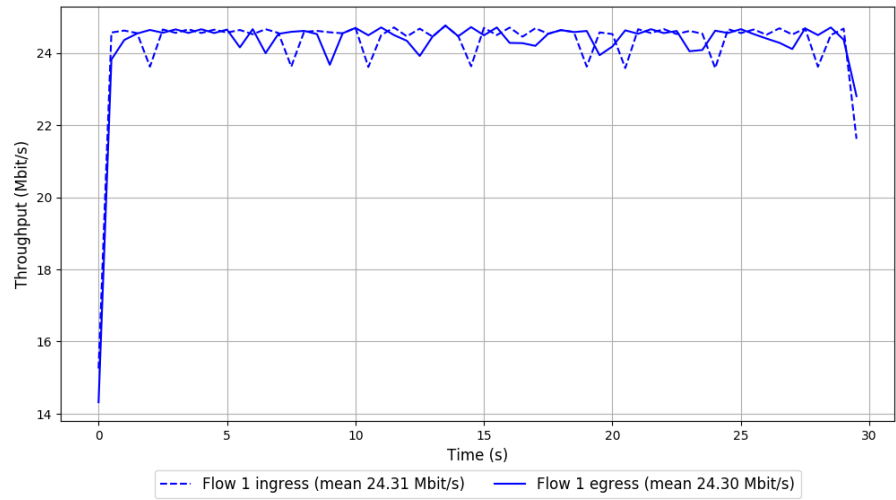
-- Flow 1:

Average throughput: 24.30 Mbit/s

95th percentile per-packet one-way delay: 30.533 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

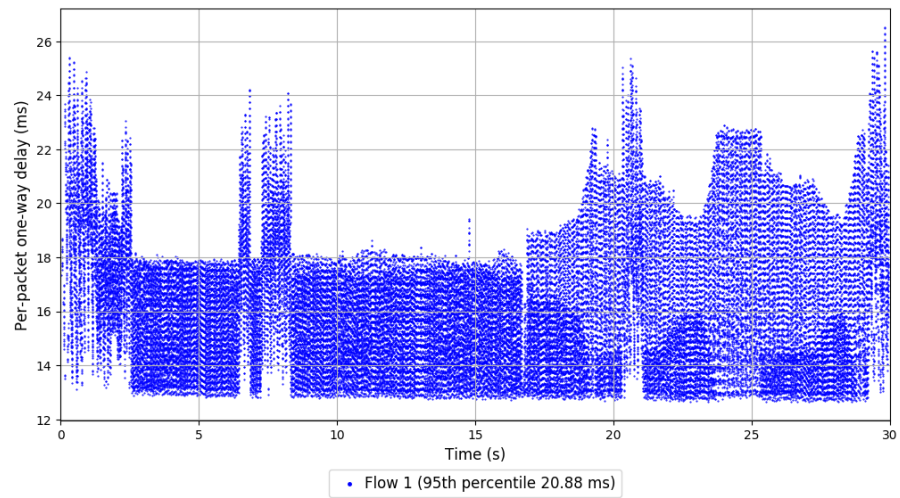
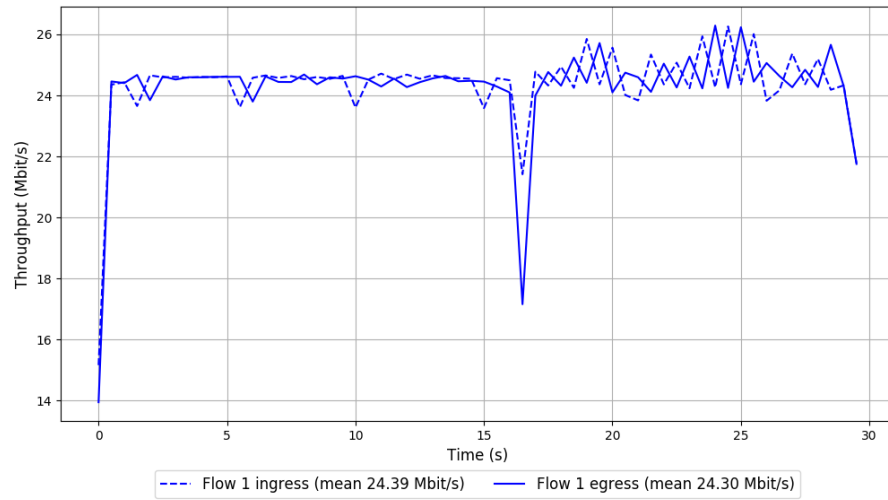


Run 3: Statistics of Sprout

Start at: 2018-04-24 09:02:17
End at: 2018-04-24 09:02:47
Local clock offset: -7.237 ms
Remote clock offset: -7.491 ms

Below is generated by plot.py at 2018-04-24 12:09:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 20.884 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 20.884 ms
Loss rate: 0.38%

Run 3: Report of Sprout — Data Link

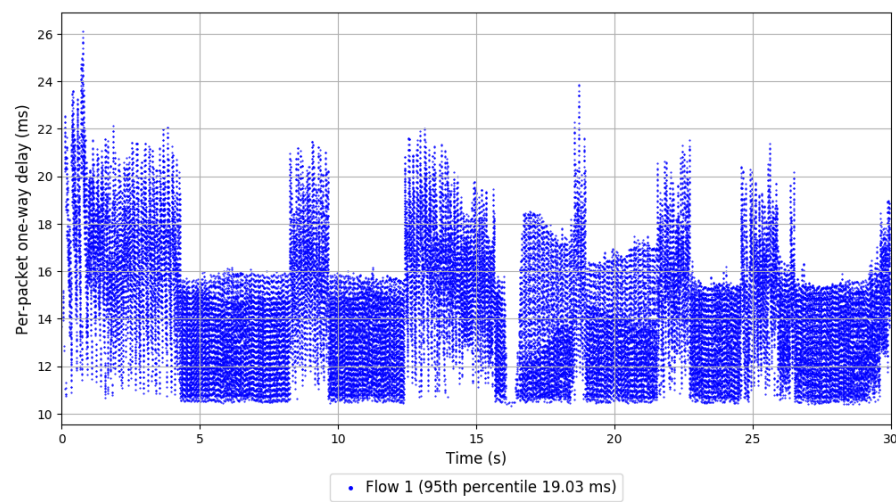
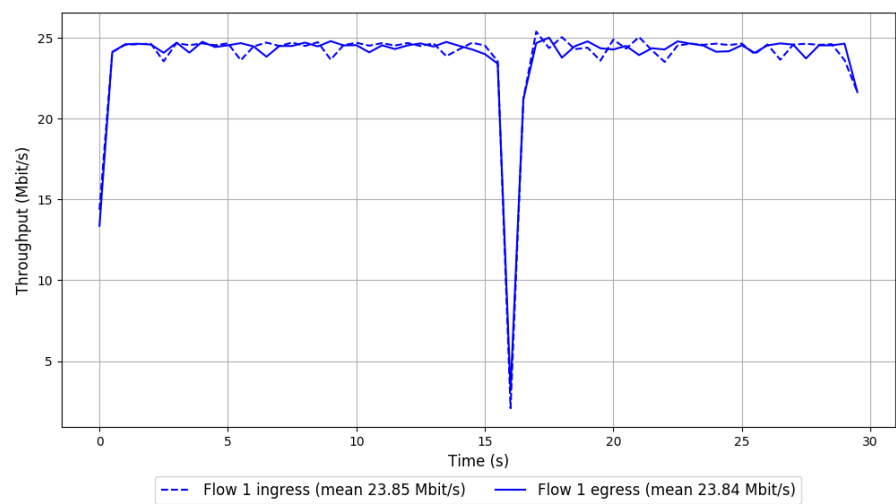


Run 4: Statistics of Sprout

Start at: 2018-04-24 09:21:53
End at: 2018-04-24 09:22:23
Local clock offset: -6.113 ms
Remote clock offset: -3.999 ms

Below is generated by plot.py at 2018-04-24 12:09:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.84 Mbit/s
95th percentile per-packet one-way delay: 19.026 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 23.84 Mbit/s
95th percentile per-packet one-way delay: 19.026 ms
Loss rate: 0.03%

Run 4: Report of Sprout — Data Link

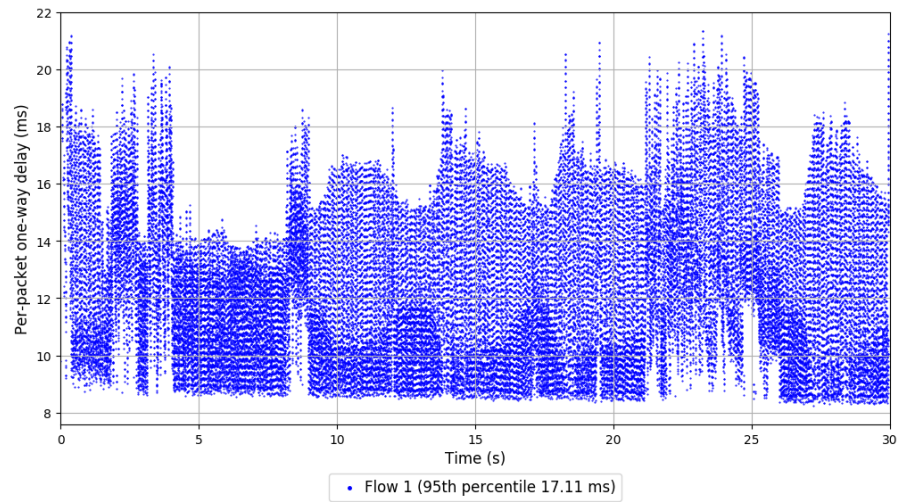
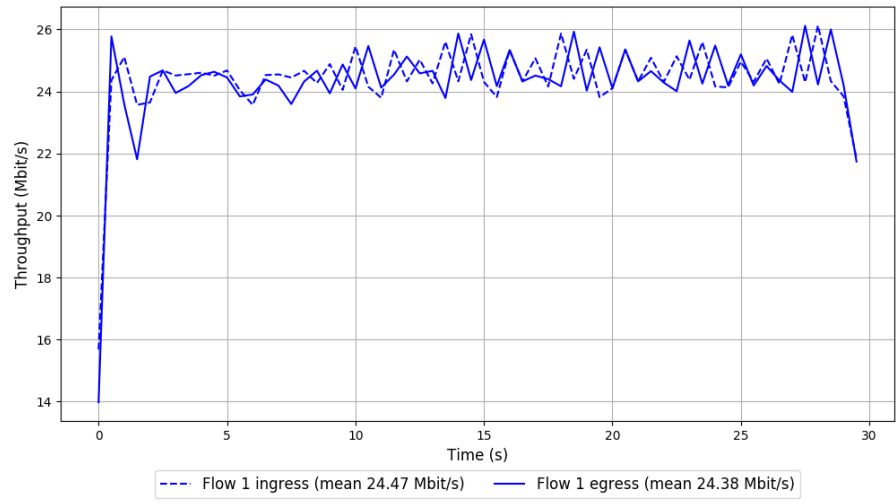


Run 5: Statistics of Sprout

Start at: 2018-04-24 09:41:31
End at: 2018-04-24 09:42:01
Local clock offset: -3.625 ms
Remote clock offset: 3.886 ms

Below is generated by plot.py at 2018-04-24 12:09:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 17.113 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 17.113 ms
Loss rate: 0.37%

Run 5: Report of Sprout — Data Link

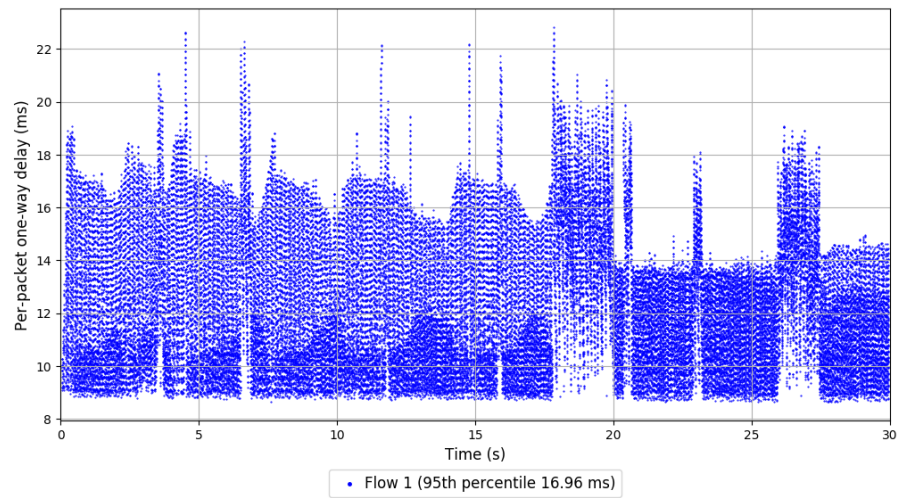
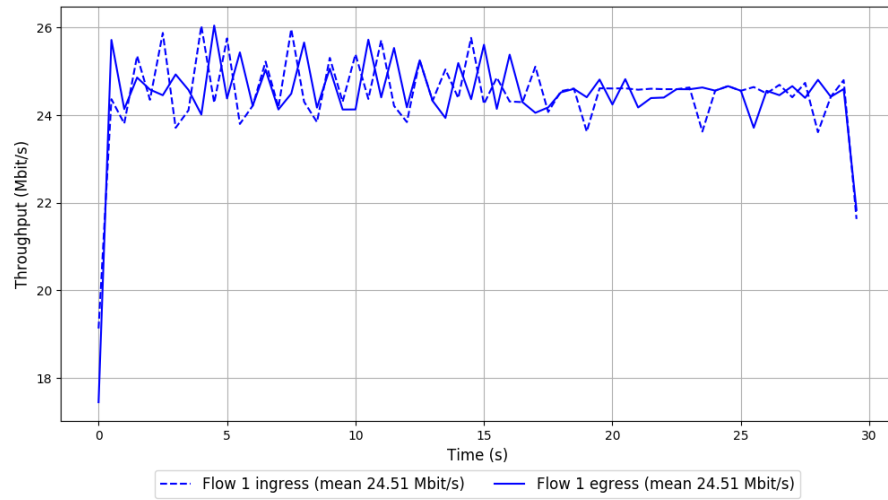


Run 6: Statistics of Sprout

Start at: 2018-04-24 10:01:02
End at: 2018-04-24 10:01:32
Local clock offset: -2.749 ms
Remote clock offset: 13.526 ms

Below is generated by plot.py at 2018-04-24 12:09:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.51 Mbit/s
95th percentile per-packet one-way delay: 16.964 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.51 Mbit/s
95th percentile per-packet one-way delay: 16.964 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-04-24 10:20:26

End at: 2018-04-24 10:20:56

Local clock offset: -3.577 ms

Remote clock offset: 17.79 ms

Below is generated by plot.py at 2018-04-24 12:09:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.12 Mbit/s

95th percentile per-packet one-way delay: 13.419 ms

Loss rate: 0.48%

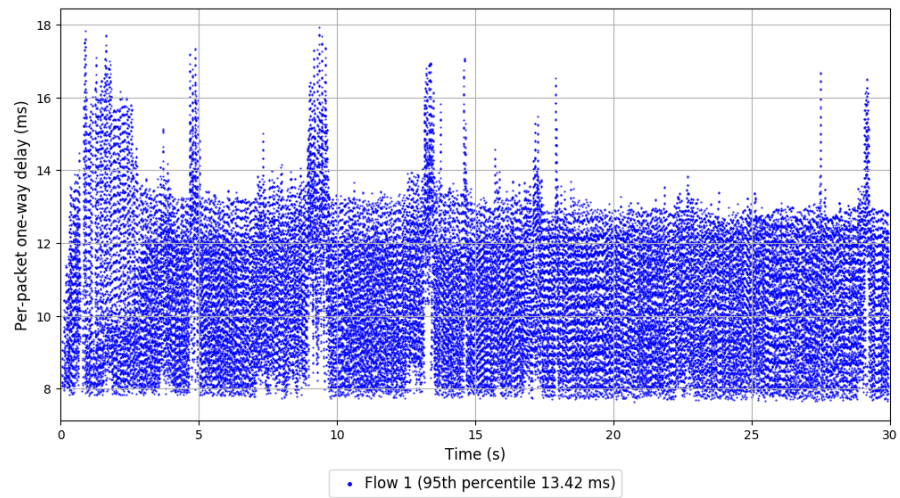
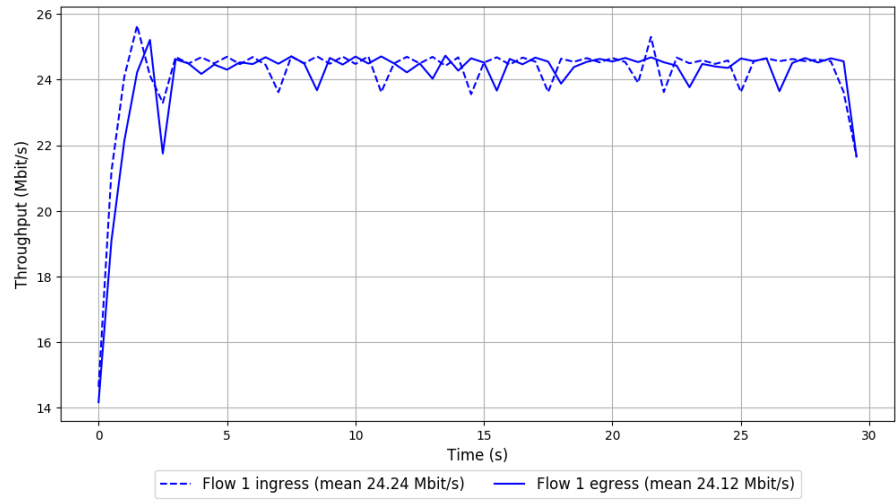
-- Flow 1:

Average throughput: 24.12 Mbit/s

95th percentile per-packet one-way delay: 13.419 ms

Loss rate: 0.48%

Run 7: Report of Sprout — Data Link

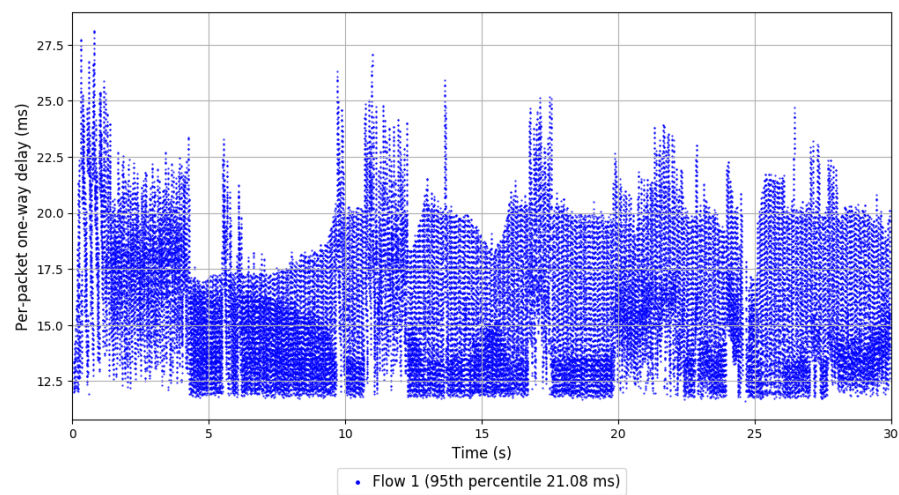
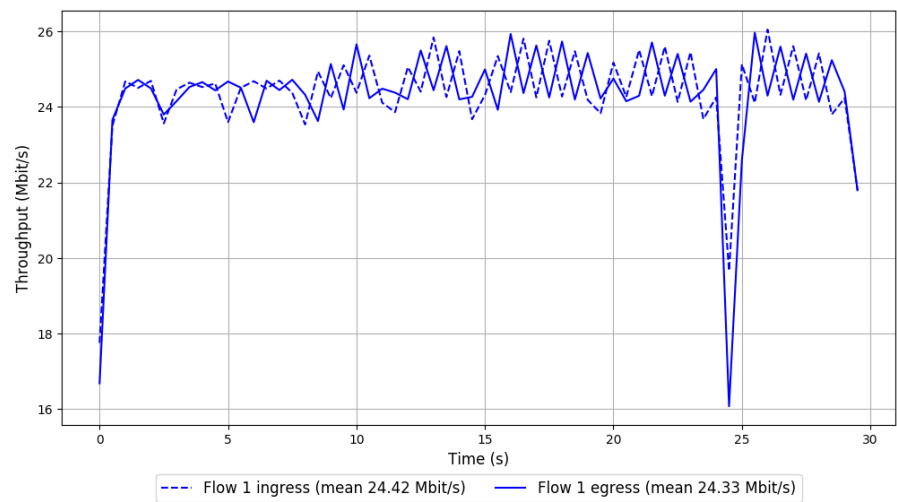


Run 8: Statistics of Sprout

Start at: 2018-04-24 10:40:01
End at: 2018-04-24 10:40:31
Local clock offset: -7.085 ms
Remote clock offset: 23.76 ms

Below is generated by plot.py at 2018-04-24 12:09:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.33 Mbit/s
95th percentile per-packet one-way delay: 21.084 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 24.33 Mbit/s
95th percentile per-packet one-way delay: 21.084 ms
Loss rate: 0.34%

Run 8: Report of Sprout — Data Link

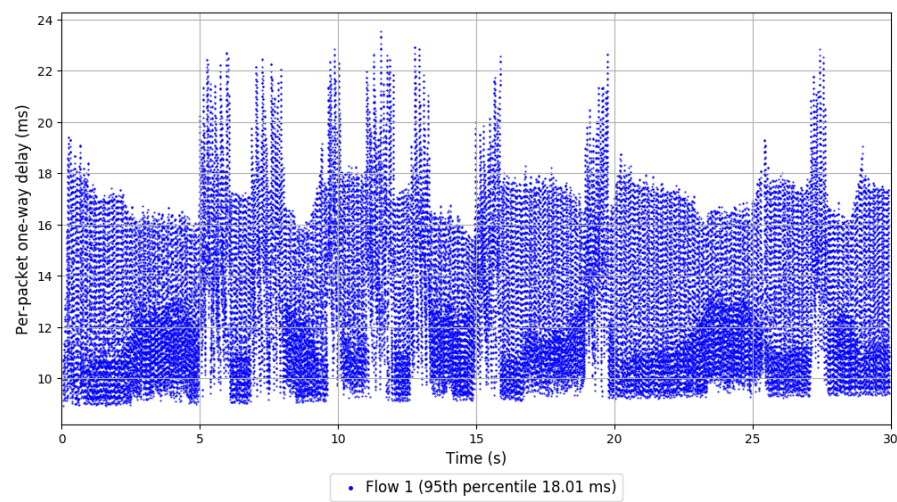
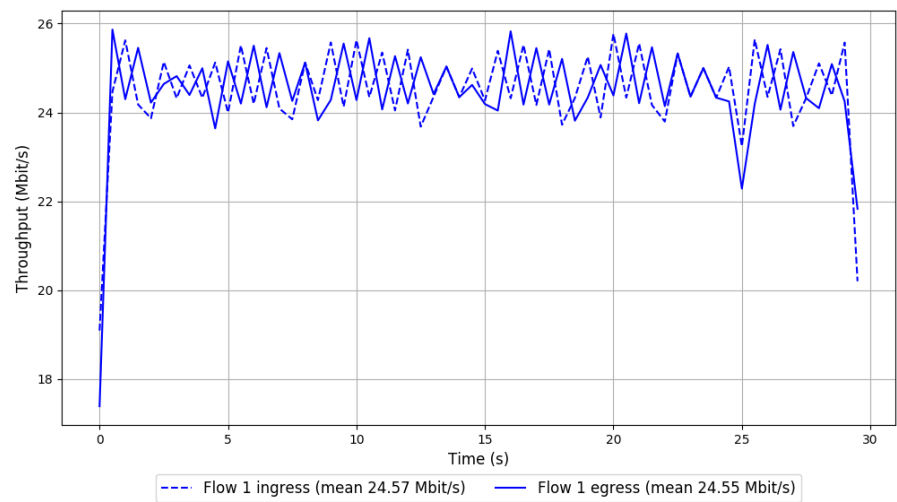


Run 9: Statistics of Sprout

Start at: 2018-04-24 10:59:37
End at: 2018-04-24 11:00:07
Local clock offset: -4.959 ms
Remote clock offset: -7.899 ms

Below is generated by plot.py at 2018-04-24 12:09:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: 18.014 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: 18.014 ms
Loss rate: 0.12%

Run 9: Report of Sprout — Data Link

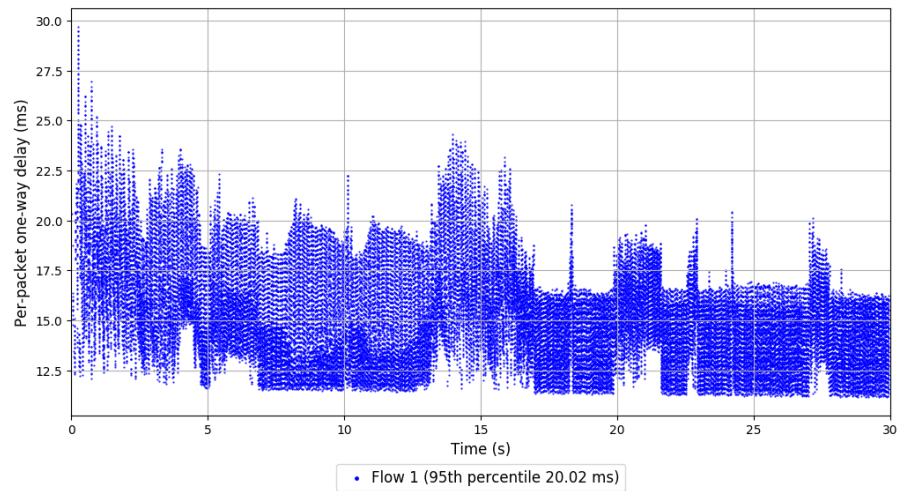
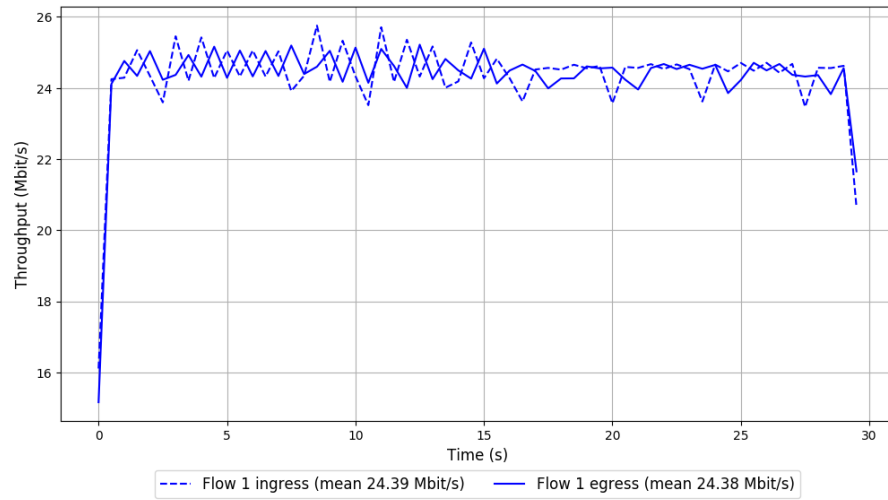


Run 10: Statistics of Sprout

Start at: 2018-04-24 11:19:10
End at: 2018-04-24 11:19:40
Local clock offset: -6.803 ms
Remote clock offset: -14.63 ms

Below is generated by plot.py at 2018-04-24 12:09:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 20.024 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 20.024 ms
Loss rate: 0.04%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-04-24 08:31:24

End at: 2018-04-24 08:31:55

Local clock offset: -7.463 ms

Remote clock offset: -1.019 ms

Below is generated by plot.py at 2018-04-24 12:11:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.96 Mbit/s

95th percentile per-packet one-way delay: 23.540 ms

Loss rate: 3.31%

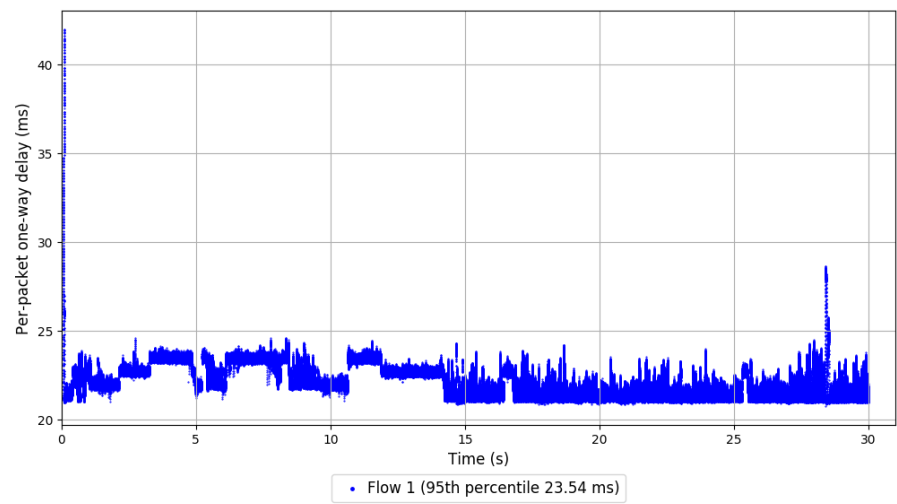
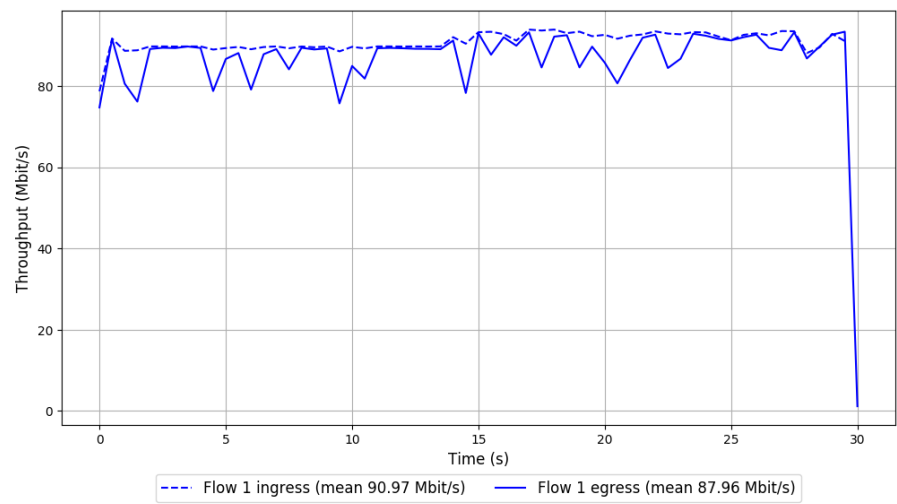
-- Flow 1:

Average throughput: 87.96 Mbit/s

95th percentile per-packet one-way delay: 23.540 ms

Loss rate: 3.31%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-04-24 08:50:52

End at: 2018-04-24 08:51:22

Local clock offset: -7.672 ms

Remote clock offset: 5.226 ms

Below is generated by plot.py at 2018-04-24 12:11:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.53 Mbit/s

95th percentile per-packet one-way delay: 29.328 ms

Loss rate: 12.41%

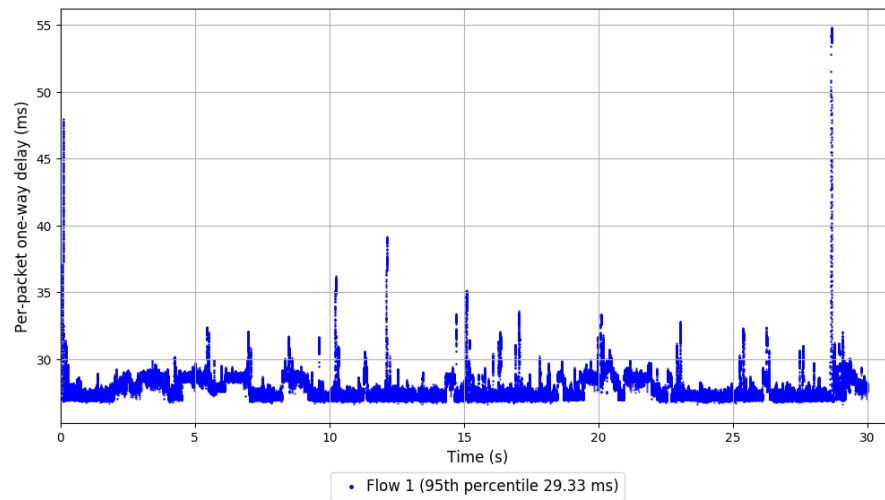
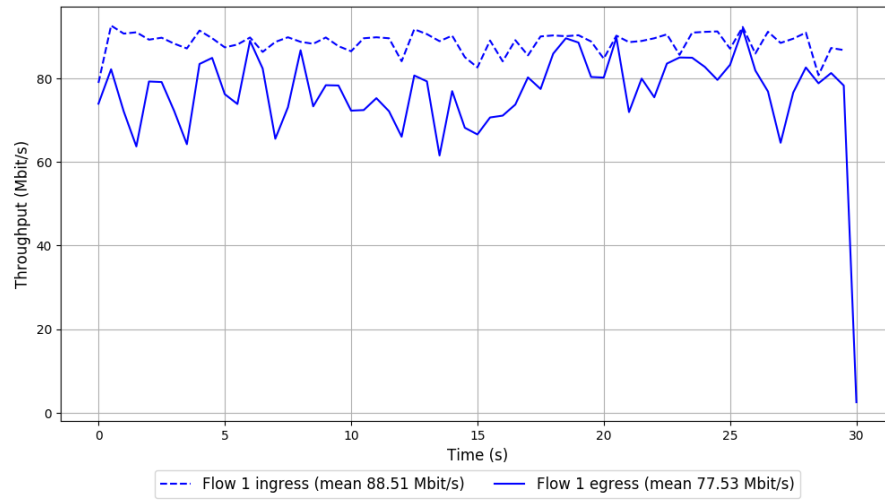
-- Flow 1:

Average throughput: 77.53 Mbit/s

95th percentile per-packet one-way delay: 29.328 ms

Loss rate: 12.41%

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

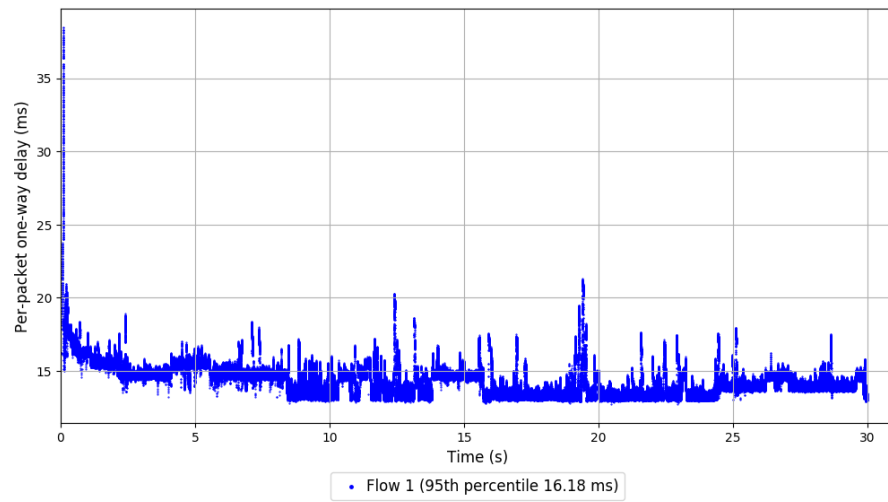
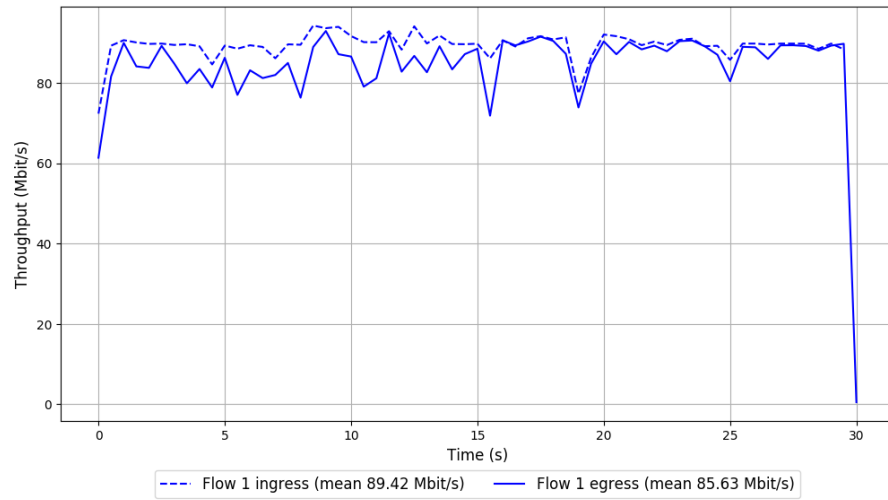


Run 3: Statistics of TaoVA-100x

Start at: 2018-04-24 09:10:14
End at: 2018-04-24 09:10:44
Local clock offset: -7.817 ms
Remote clock offset: -5.285 ms

Below is generated by plot.py at 2018-04-24 12:11:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.63 Mbit/s
95th percentile per-packet one-way delay: 16.184 ms
Loss rate: 4.26%
-- Flow 1:
Average throughput: 85.63 Mbit/s
95th percentile per-packet one-way delay: 16.184 ms
Loss rate: 4.26%

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

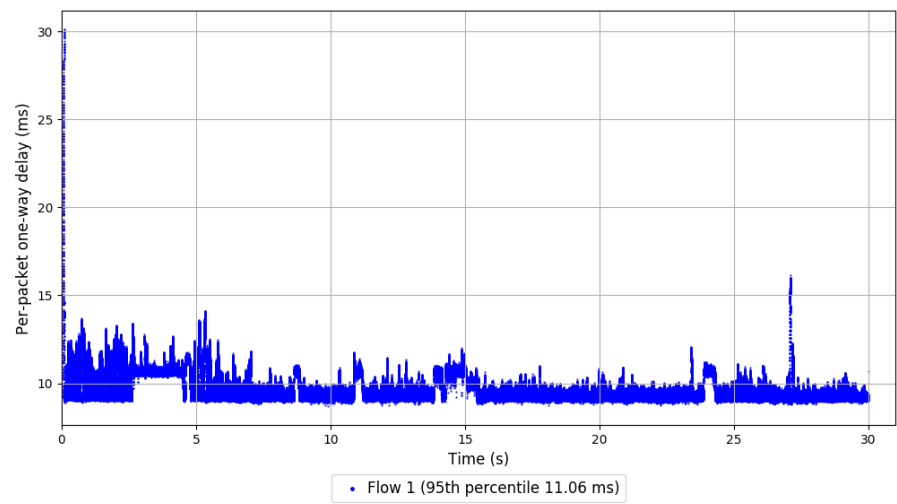
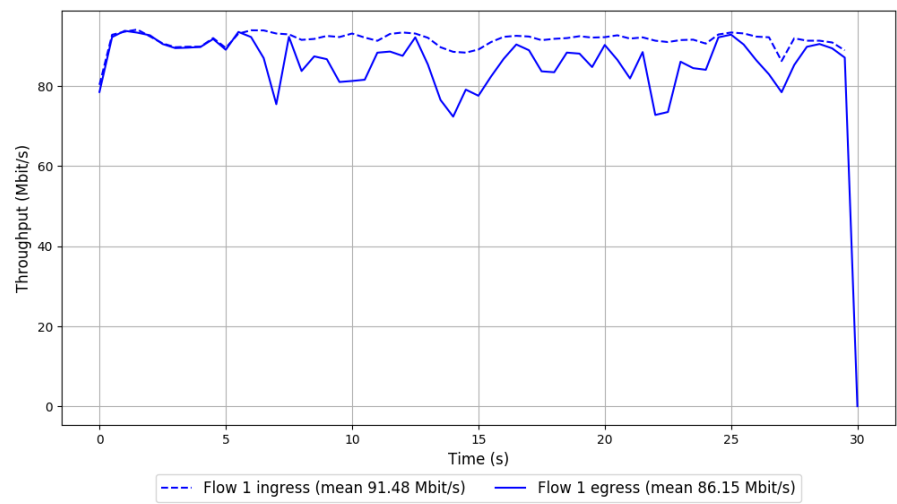


Run 4: Statistics of TaoVA-100x

Start at: 2018-04-24 09:29:50
End at: 2018-04-24 09:30:20
Local clock offset: -5.218 ms
Remote clock offset: -3.948 ms

Below is generated by plot.py at 2018-04-24 12:11:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.15 Mbit/s
95th percentile per-packet one-way delay: 11.064 ms
Loss rate: 5.83%
-- Flow 1:
Average throughput: 86.15 Mbit/s
95th percentile per-packet one-way delay: 11.064 ms
Loss rate: 5.83%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-04-24 09:49:31

End at: 2018-04-24 09:50:01

Local clock offset: -8.108 ms

Remote clock offset: 8.705 ms

Below is generated by plot.py at 2018-04-24 12:11:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.18 Mbit/s

95th percentile per-packet one-way delay: 15.606 ms

Loss rate: 5.61%

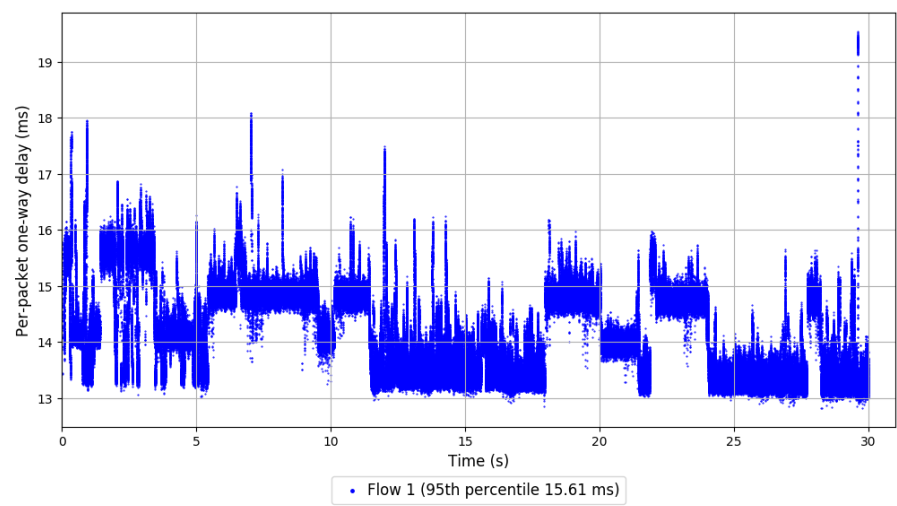
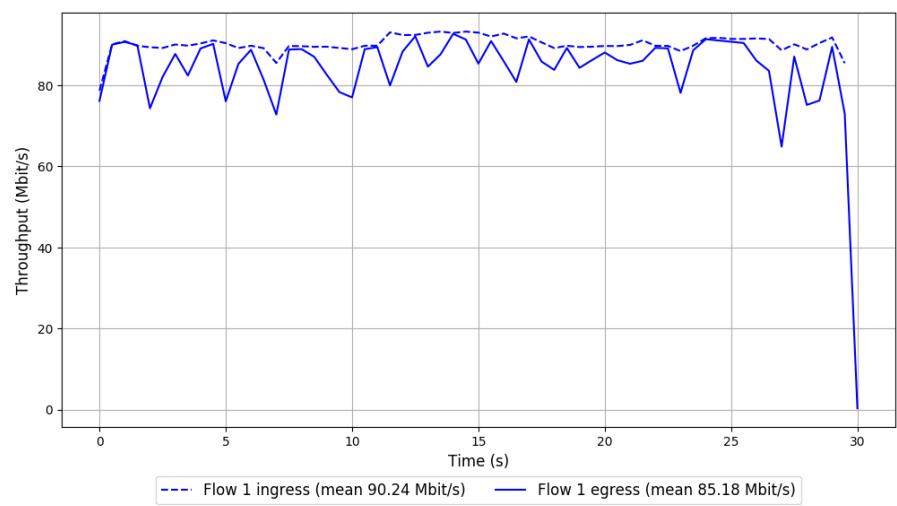
-- Flow 1:

Average throughput: 85.18 Mbit/s

95th percentile per-packet one-way delay: 15.606 ms

Loss rate: 5.61%

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

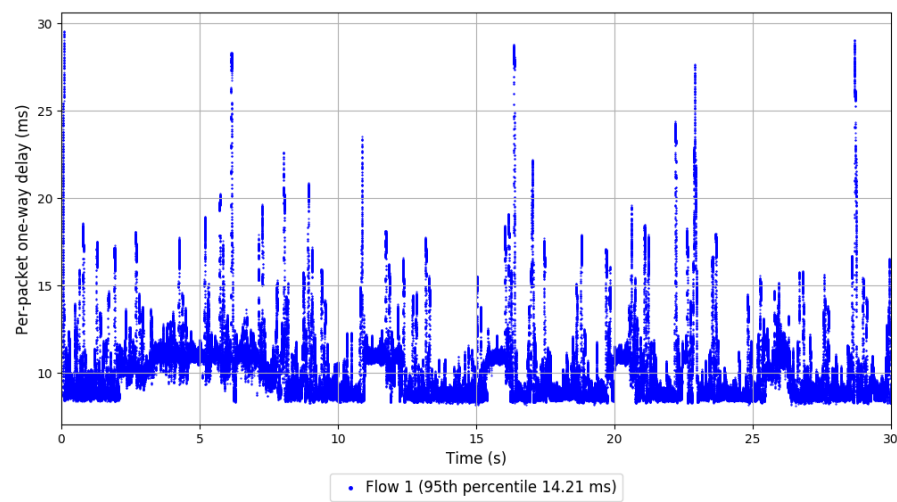
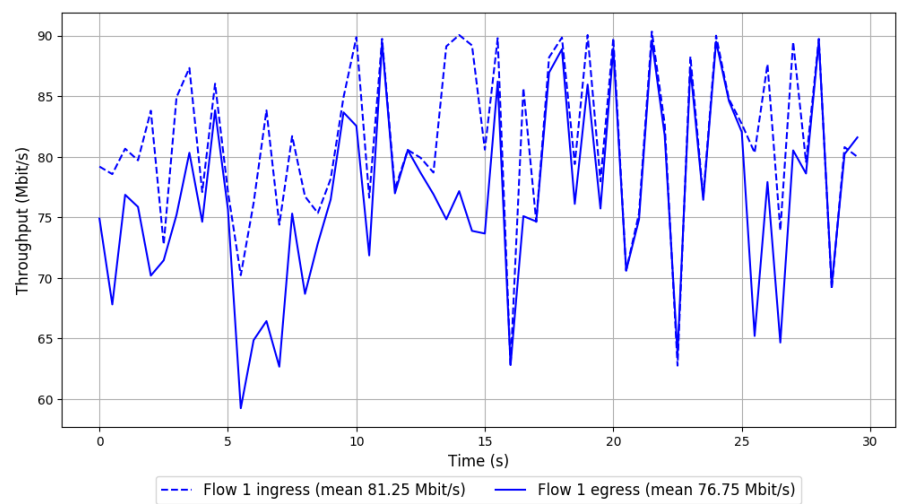


Run 6: Statistics of TaoVA-100x

Start at: 2018-04-24 10:09:01
End at: 2018-04-24 10:09:31
Local clock offset: -3.558 ms
Remote clock offset: 14.604 ms

Below is generated by plot.py at 2018-04-24 12:11:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.75 Mbit/s
95th percentile per-packet one-way delay: 14.209 ms
Loss rate: 5.54%
-- Flow 1:
Average throughput: 76.75 Mbit/s
95th percentile per-packet one-way delay: 14.209 ms
Loss rate: 5.54%

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

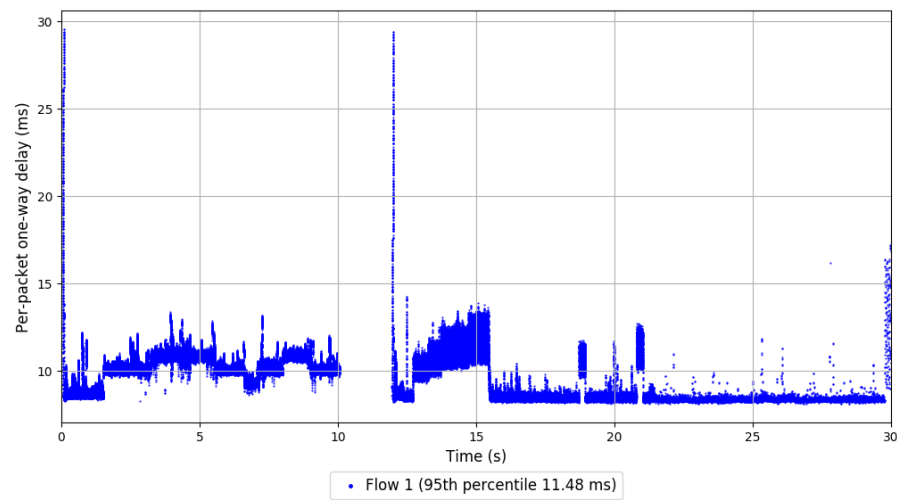
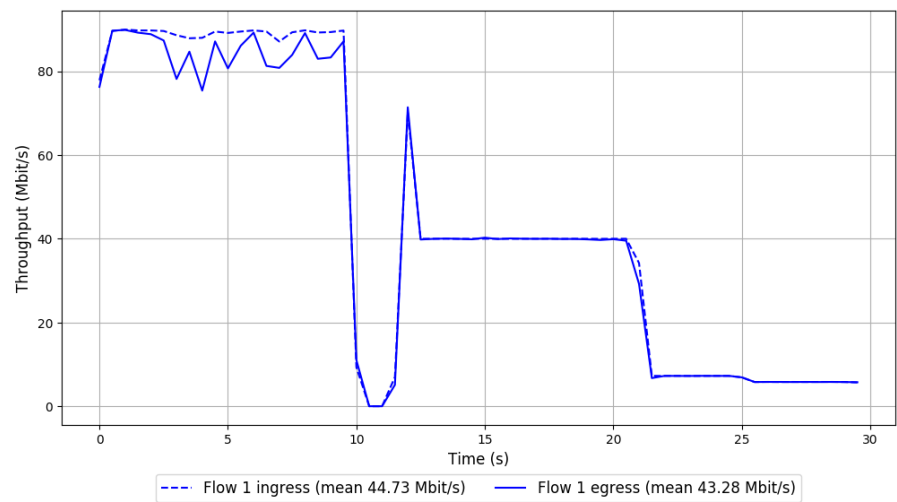


Run 7: Statistics of TaoVA-100x

Start at: 2018-04-24 10:28:29
End at: 2018-04-24 10:28:59
Local clock offset: -3.602 ms
Remote clock offset: 20.556 ms

Below is generated by plot.py at 2018-04-24 12:11:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 43.28 Mbit/s
95th percentile per-packet one-way delay: 11.485 ms
Loss rate: 3.25%
-- Flow 1:
Average throughput: 43.28 Mbit/s
95th percentile per-packet one-way delay: 11.485 ms
Loss rate: 3.25%

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

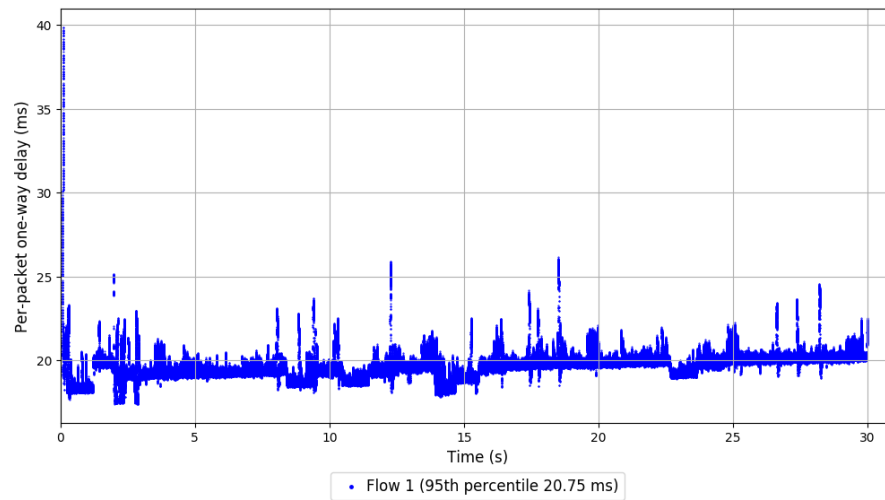
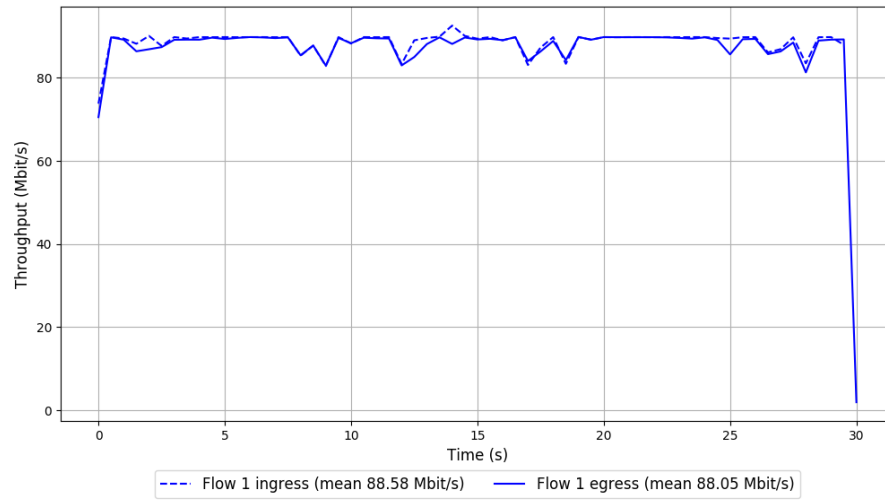


Run 8: Statistics of TaoVA-100x

Start at: 2018-04-24 10:47:59
End at: 2018-04-24 10:48:29
Local clock offset: -5.113 ms
Remote clock offset: 17.442 ms

Below is generated by plot.py at 2018-04-24 12:11:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.05 Mbit/s
95th percentile per-packet one-way delay: 20.753 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 88.05 Mbit/s
95th percentile per-packet one-way delay: 20.753 ms
Loss rate: 0.60%

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

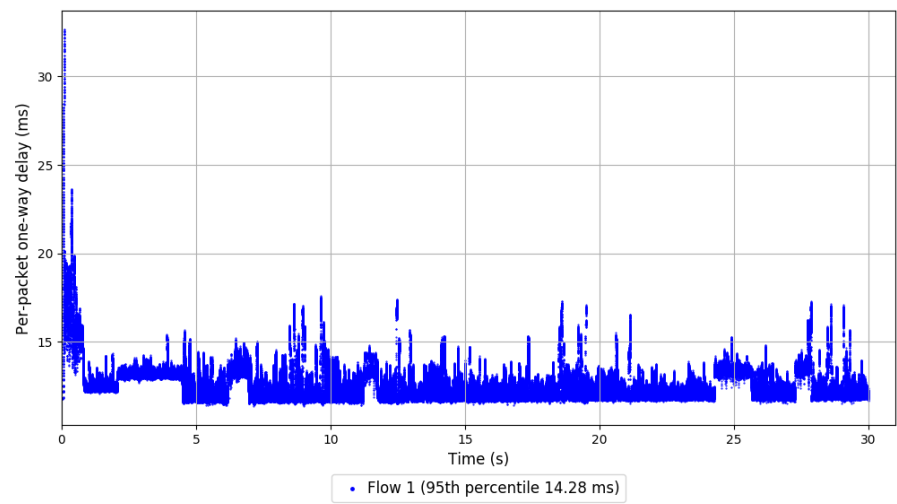
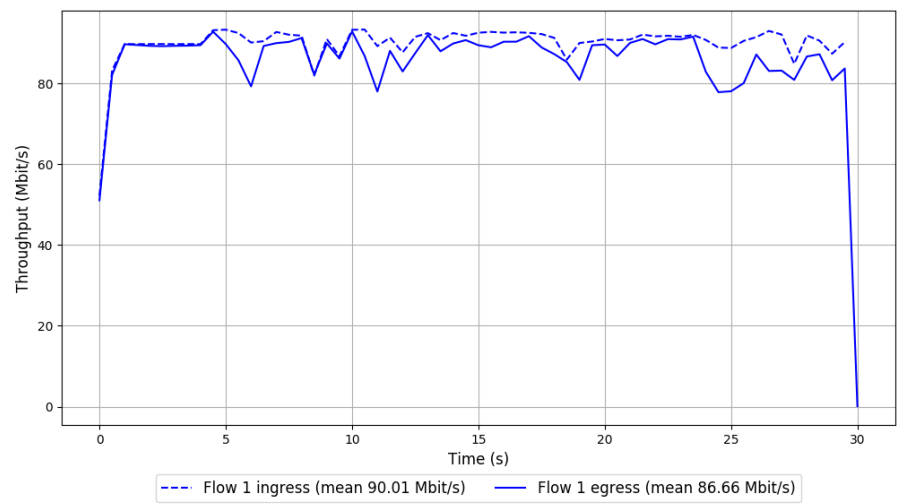


Run 9: Statistics of TaoVA-100x

Start at: 2018-04-24 11:07:33
End at: 2018-04-24 11:08:03
Local clock offset: -6.211 ms
Remote clock offset: -12.264 ms

Below is generated by plot.py at 2018-04-24 12:13:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.66 Mbit/s
95th percentile per-packet one-way delay: 14.277 ms
Loss rate: 3.73%
-- Flow 1:
Average throughput: 86.66 Mbit/s
95th percentile per-packet one-way delay: 14.277 ms
Loss rate: 3.73%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-04-24 11:27:07

End at: 2018-04-24 11:27:37

Local clock offset: -3.761 ms

Remote clock offset: -10.0 ms

Below is generated by plot.py at 2018-04-24 12:13:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.53 Mbit/s

95th percentile per-packet one-way delay: 10.276 ms

Loss rate: 6.87%

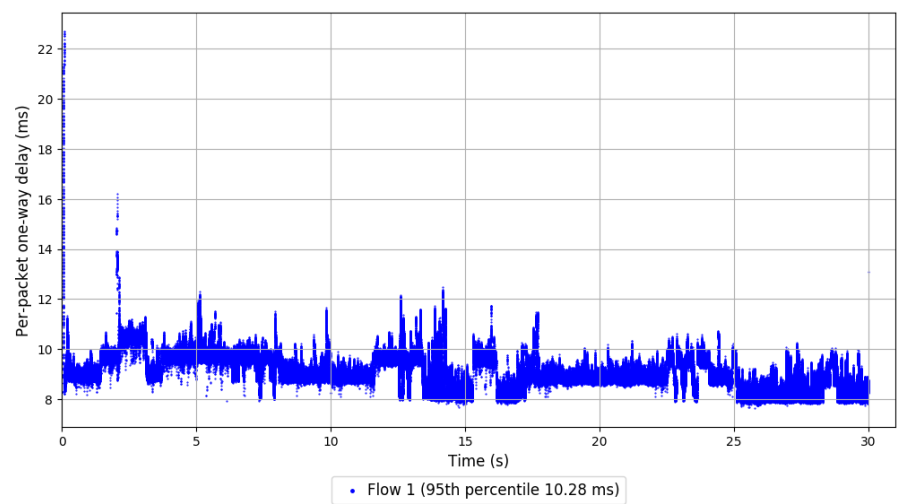
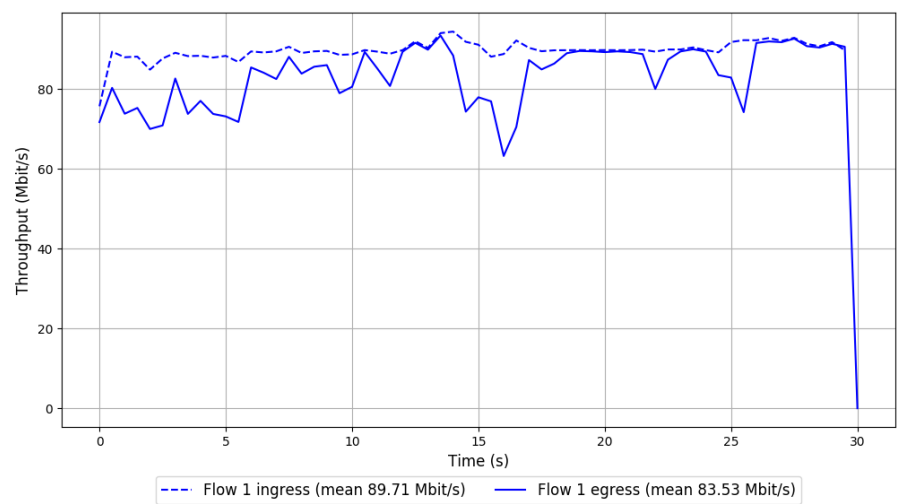
-- Flow 1:

Average throughput: 83.53 Mbit/s

95th percentile per-packet one-way delay: 10.276 ms

Loss rate: 6.87%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-04-24 08:30:17

End at: 2018-04-24 08:30:47

Local clock offset: -7.457 ms

Remote clock offset: 4.459 ms

Below is generated by plot.py at 2018-04-24 12:13:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.45 Mbit/s

95th percentile per-packet one-way delay: 36.610 ms

Loss rate: 0.02%

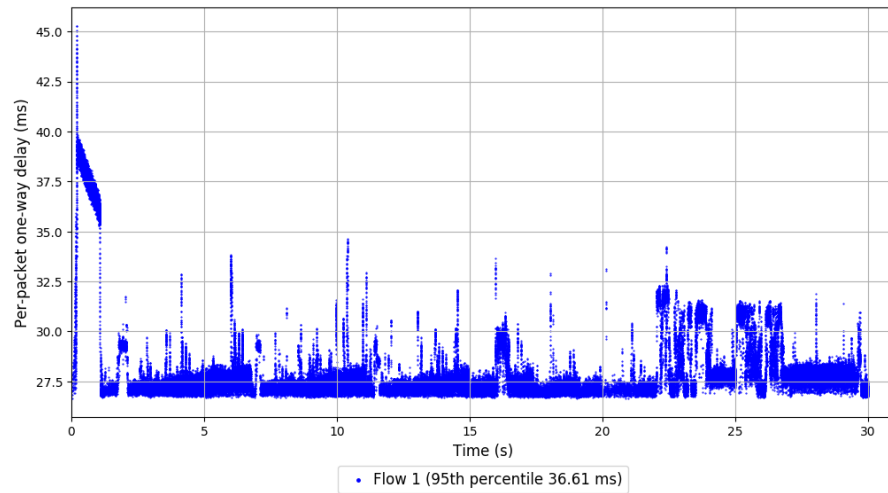
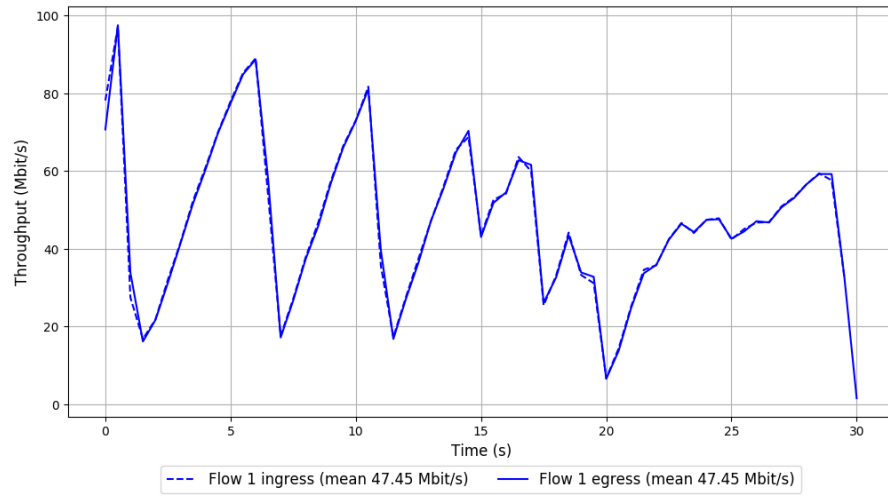
-- Flow 1:

Average throughput: 47.45 Mbit/s

95th percentile per-packet one-way delay: 36.610 ms

Loss rate: 0.02%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-04-24 08:49:45

End at: 2018-04-24 08:50:15

Local clock offset: -7.512 ms

Remote clock offset: 8.338 ms

Below is generated by plot.py at 2018-04-24 12:13:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 37.19 Mbit/s

95th percentile per-packet one-way delay: 32.756 ms

Loss rate: 0.02%

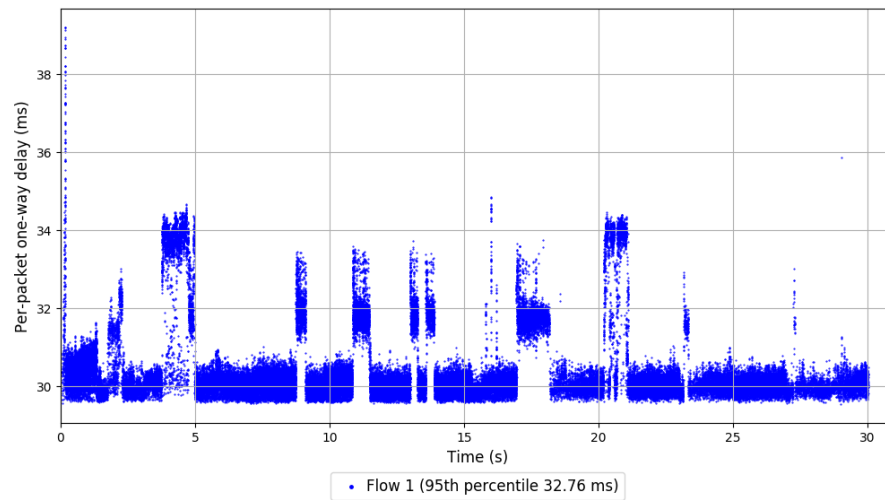
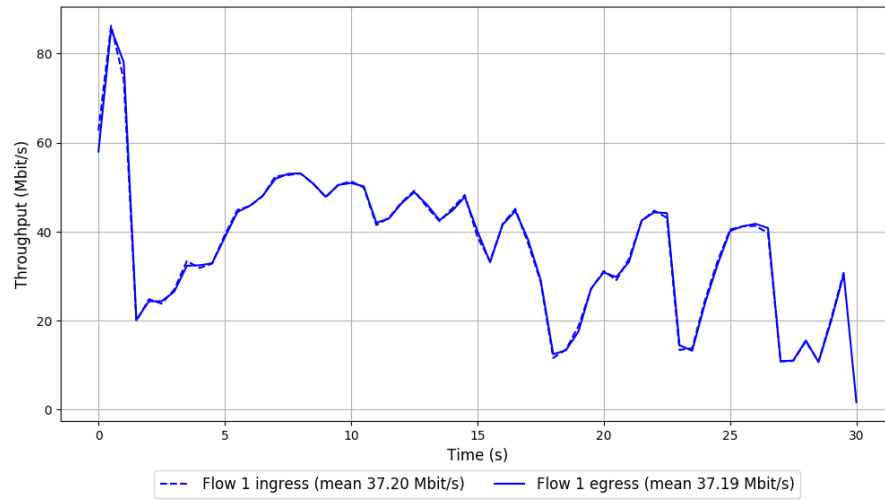
-- Flow 1:

Average throughput: 37.19 Mbit/s

95th percentile per-packet one-way delay: 32.756 ms

Loss rate: 0.02%

Run 2: Report of TCP Vegas — Data Link

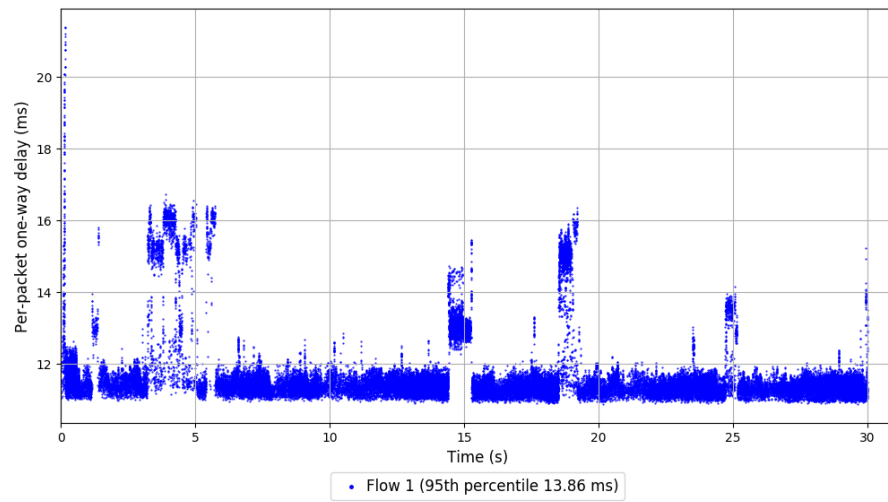
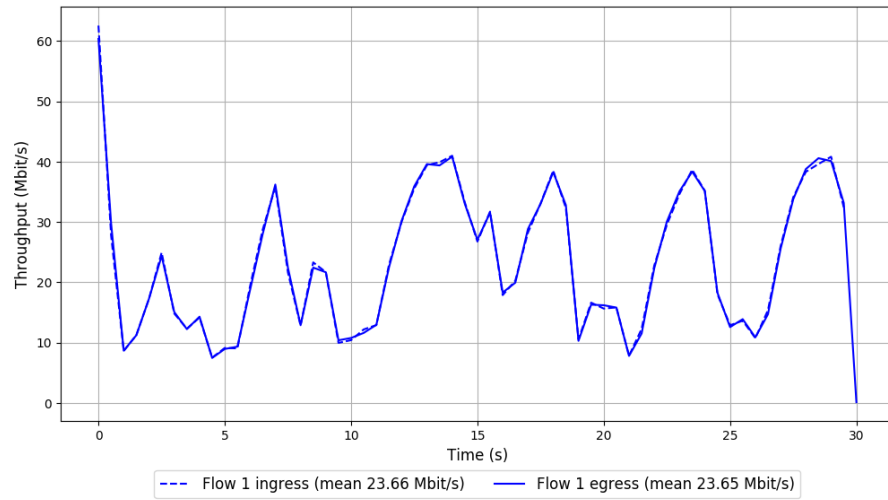


Run 3: Statistics of TCP Vegas

Start at: 2018-04-24 09:09:07
End at: 2018-04-24 09:09:37
Local clock offset: -5.888 ms
Remote clock offset: -5.395 ms

Below is generated by plot.py at 2018-04-24 12:13:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.65 Mbit/s
95th percentile per-packet one-way delay: 13.856 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 23.65 Mbit/s
95th percentile per-packet one-way delay: 13.856 ms
Loss rate: 0.07%

Run 3: Report of TCP Vegas — Data Link

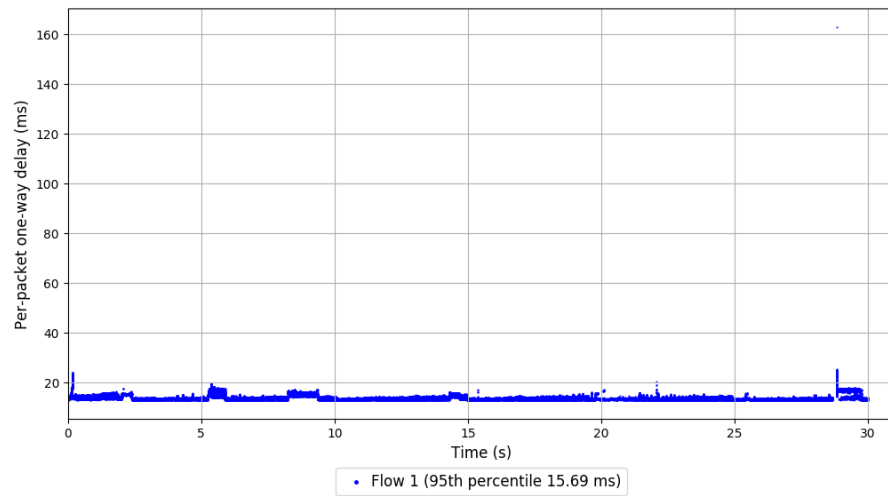
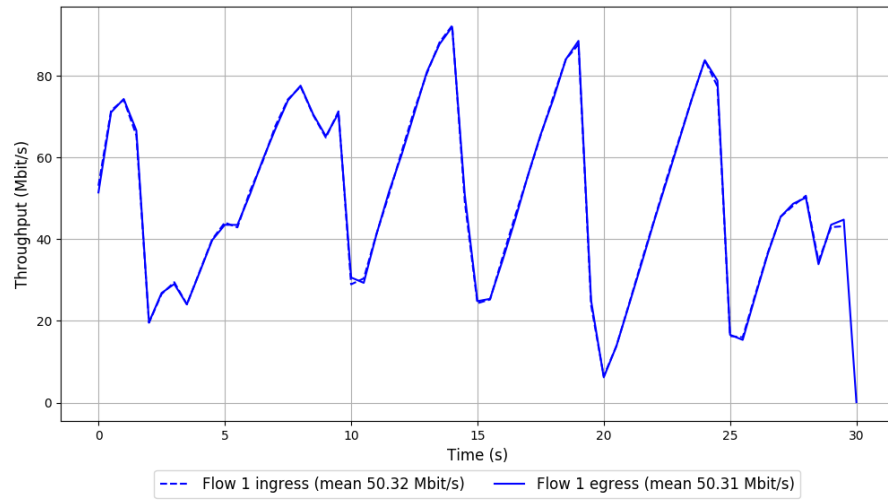


Run 4: Statistics of TCP Vegas

Start at: 2018-04-24 09:28:42
End at: 2018-04-24 09:29:12
Local clock offset: -8.084 ms
Remote clock offset: -2.801 ms

Below is generated by plot.py at 2018-04-24 12:13:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.31 Mbit/s
95th percentile per-packet one-way delay: 15.690 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 50.31 Mbit/s
95th percentile per-packet one-way delay: 15.690 ms
Loss rate: 0.02%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-04-24 09:48:23

End at: 2018-04-24 09:48:53

Local clock offset: -7.842 ms

Remote clock offset: 7.63 ms

Below is generated by plot.py at 2018-04-24 12:13:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.55 Mbit/s

95th percentile per-packet one-way delay: 24.115 ms

Loss rate: 0.65%

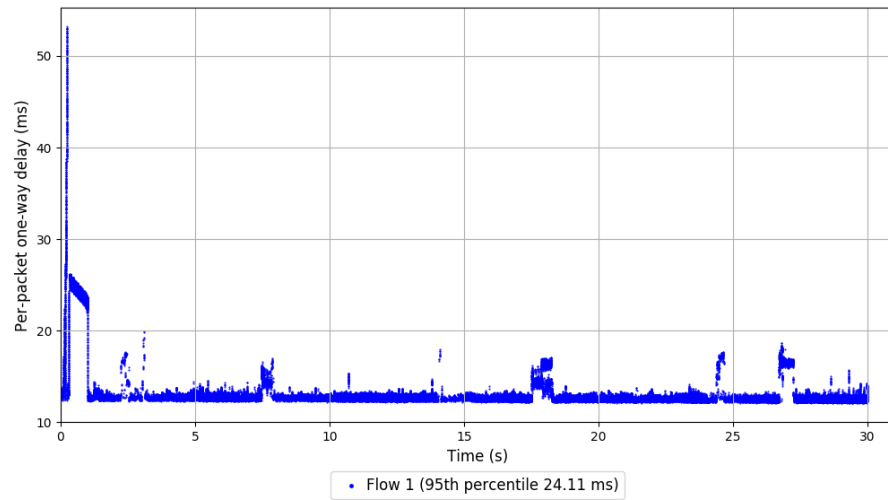
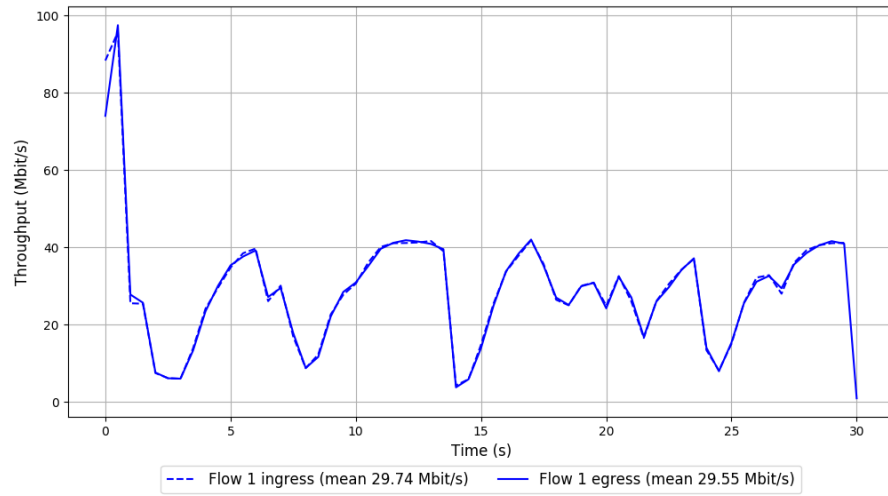
-- Flow 1:

Average throughput: 29.55 Mbit/s

95th percentile per-packet one-way delay: 24.115 ms

Loss rate: 0.65%

Run 5: Report of TCP Vegas — Data Link

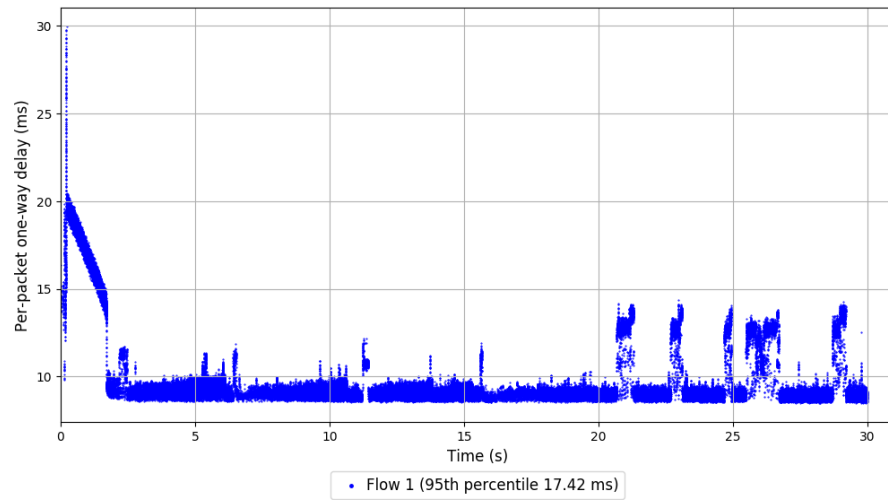
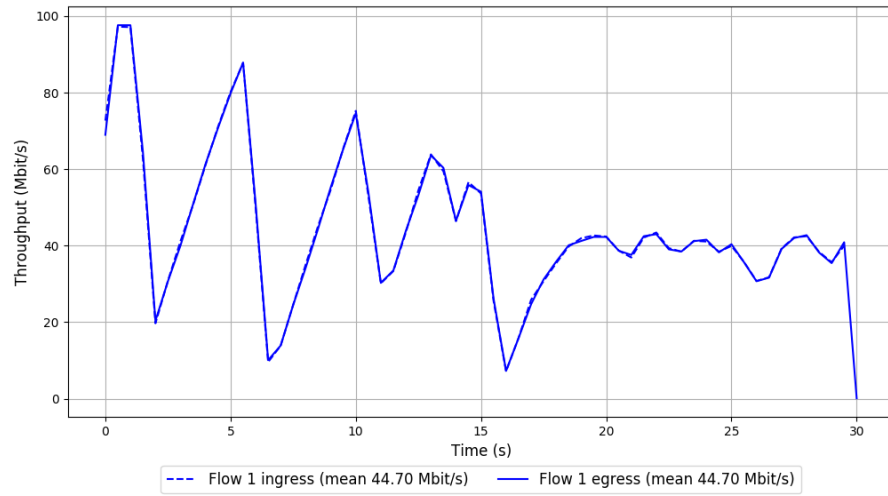


Run 6: Statistics of TCP Vegas

Start at: 2018-04-24 10:07:52
End at: 2018-04-24 10:08:22
Local clock offset: -3.024 ms
Remote clock offset: 15.293 ms

Below is generated by plot.py at 2018-04-24 12:13:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 44.70 Mbit/s
95th percentile per-packet one-way delay: 17.420 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 44.70 Mbit/s
95th percentile per-packet one-way delay: 17.420 ms
Loss rate: 0.02%

Run 6: Report of TCP Vegas — Data Link

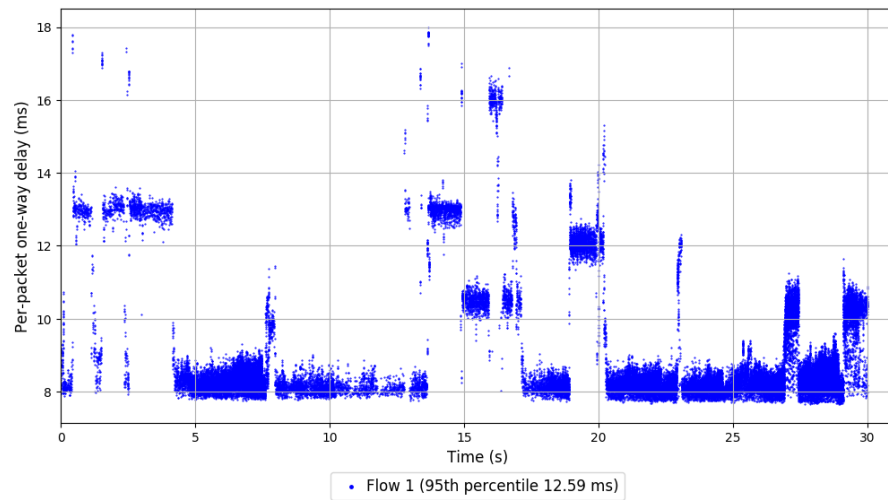
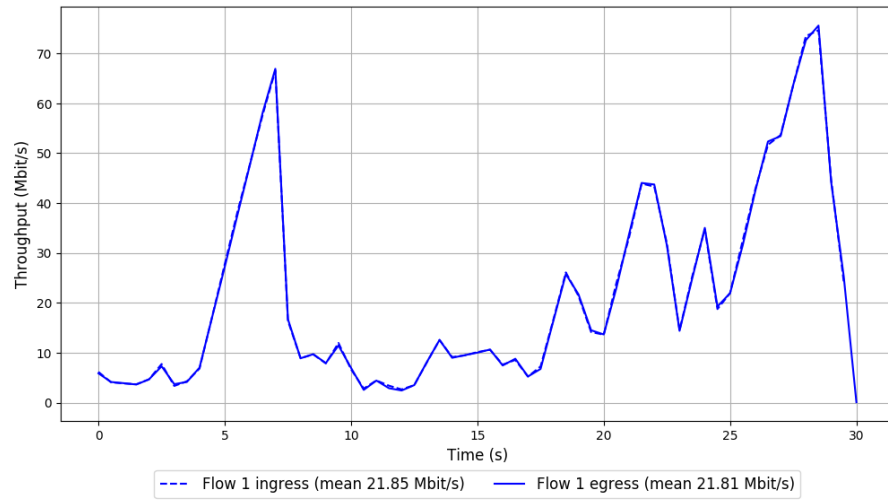


Run 7: Statistics of TCP Vegas

Start at: 2018-04-24 10:27:23
End at: 2018-04-24 10:27:53
Local clock offset: -4.059 ms
Remote clock offset: 19.533 ms

Below is generated by plot.py at 2018-04-24 12:13:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.81 Mbit/s
95th percentile per-packet one-way delay: 12.586 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 21.81 Mbit/s
95th percentile per-packet one-way delay: 12.586 ms
Loss rate: 0.15%

Run 7: Report of TCP Vegas — Data Link

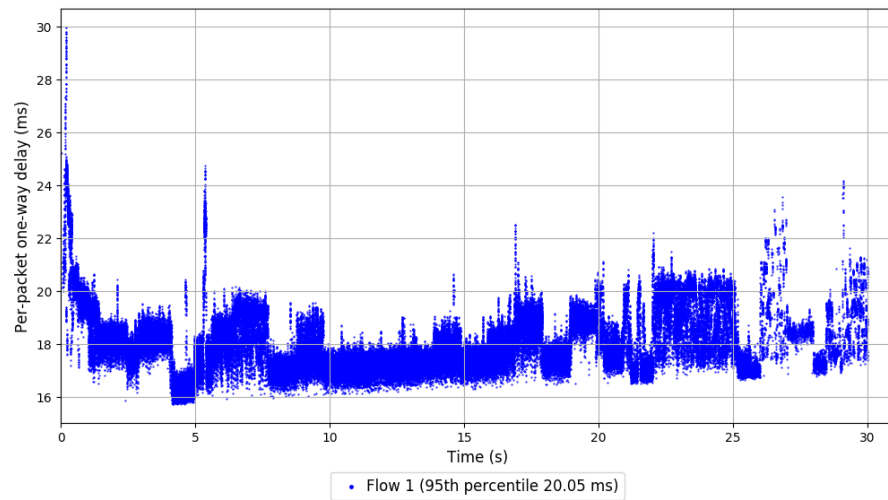
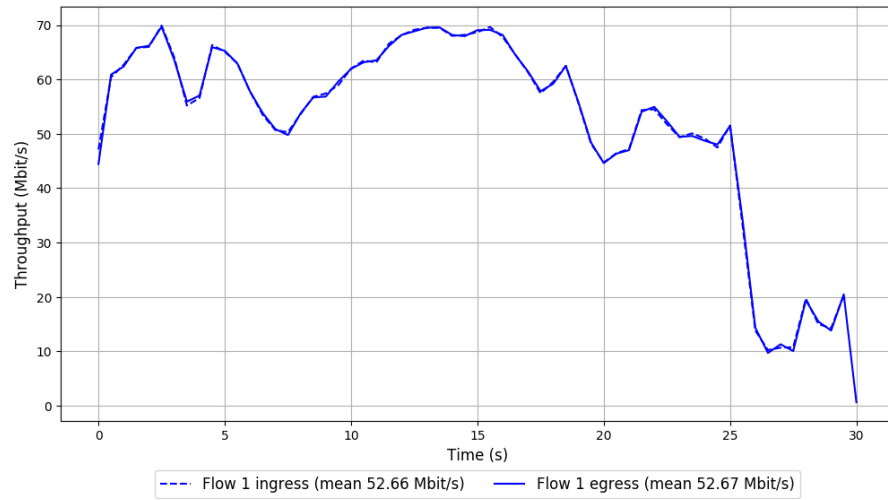


Run 8: Statistics of TCP Vegas

Start at: 2018-04-24 10:46:50
End at: 2018-04-24 10:47:20
Local clock offset: -4.808 ms
Remote clock offset: 19.269 ms

Below is generated by plot.py at 2018-04-24 12:13:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 52.67 Mbit/s
95th percentile per-packet one-way delay: 20.045 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 52.67 Mbit/s
95th percentile per-packet one-way delay: 20.045 ms
Loss rate: 0.01%

Run 8: Report of TCP Vegas — Data Link

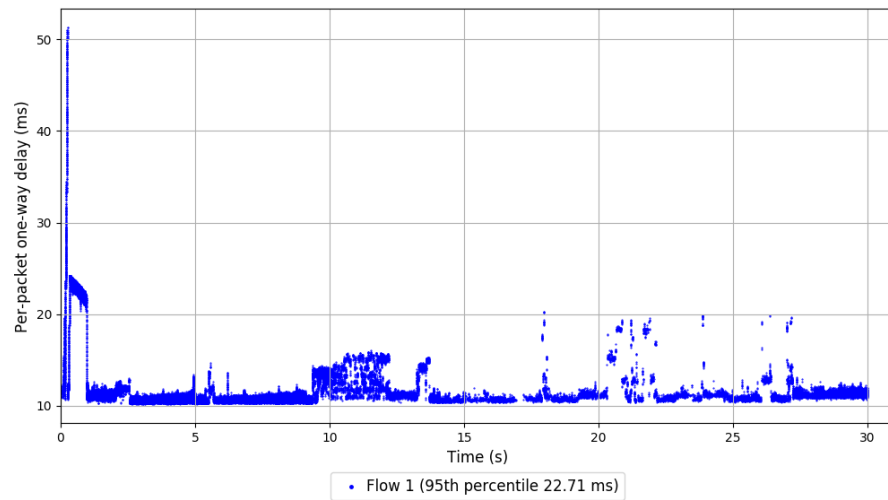
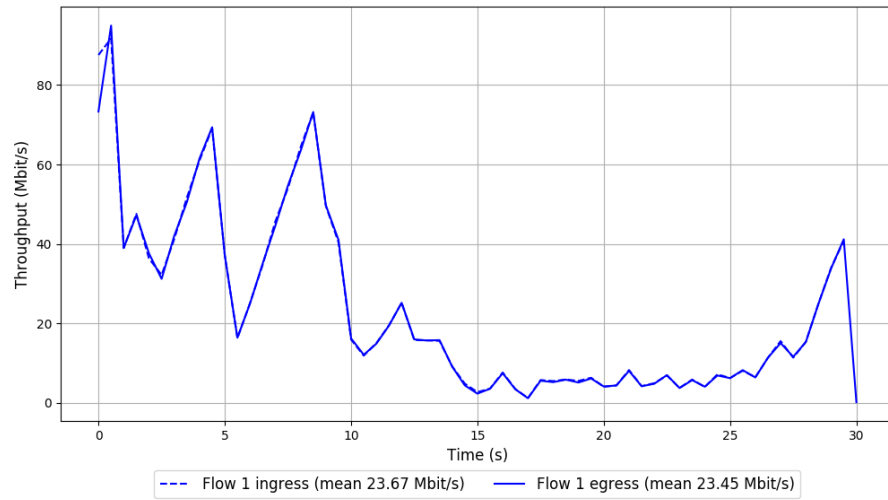


Run 9: Statistics of TCP Vegas

Start at: 2018-04-24 11:06:26
End at: 2018-04-24 11:06:56
Local clock offset: -5.276 ms
Remote clock offset: -11.712 ms

Below is generated by plot.py at 2018-04-24 12:13:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.45 Mbit/s
95th percentile per-packet one-way delay: 22.710 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 23.45 Mbit/s
95th percentile per-packet one-way delay: 22.710 ms
Loss rate: 0.91%

Run 9: Report of TCP Vegas — Data Link

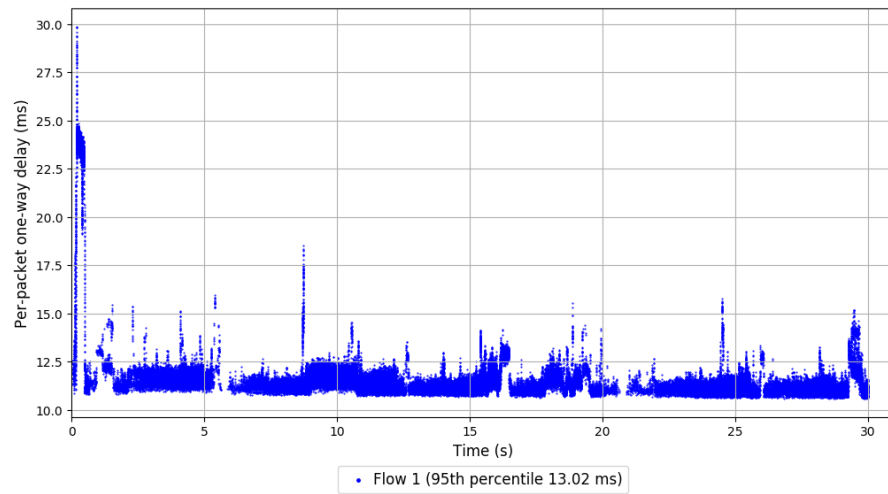
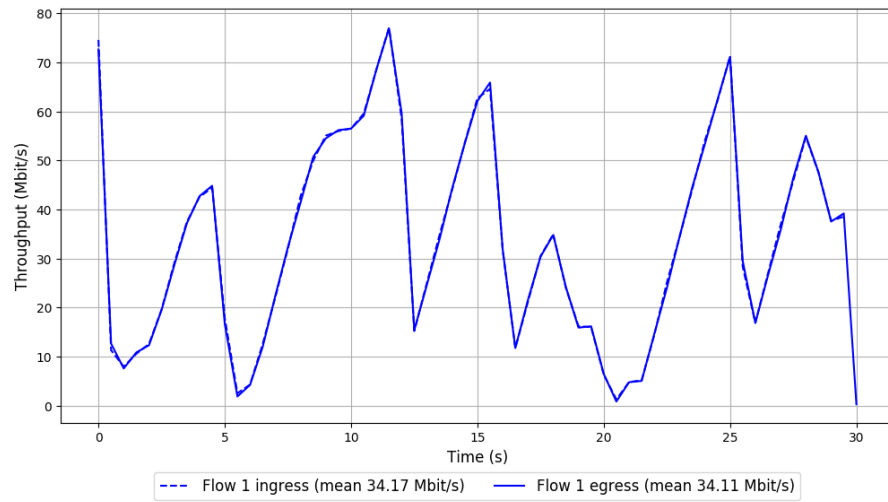


Run 10: Statistics of TCP Vegas

Start at: 2018-04-24 11:26:00
End at: 2018-04-24 11:26:31
Local clock offset: -6.611 ms
Remote clock offset: -10.429 ms

Below is generated by plot.py at 2018-04-24 12:13:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.11 Mbit/s
95th percentile per-packet one-way delay: 13.023 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 34.11 Mbit/s
95th percentile per-packet one-way delay: 13.023 ms
Loss rate: 0.18%

Run 10: Report of TCP Vegas — Data Link

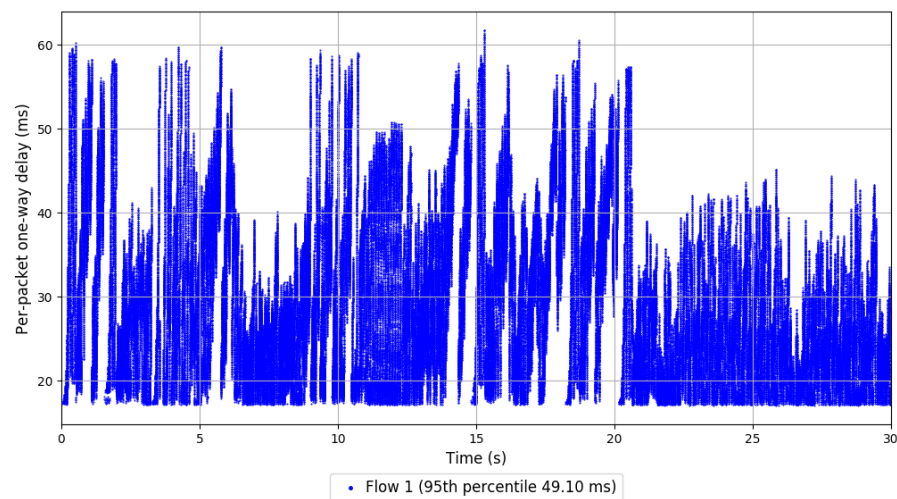
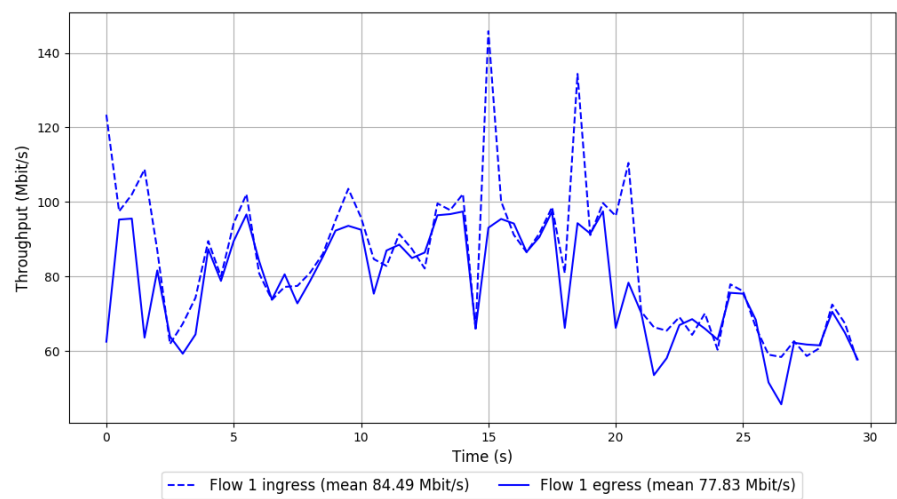


Run 1: Statistics of Verus

Start at: 2018-04-24 08:35:59
End at: 2018-04-24 08:36:29
Local clock offset: -5.004 ms
Remote clock offset: -2.113 ms

Below is generated by plot.py at 2018-04-24 12:13:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.83 Mbit/s
95th percentile per-packet one-way delay: 49.097 ms
Loss rate: 7.86%
-- Flow 1:
Average throughput: 77.83 Mbit/s
95th percentile per-packet one-way delay: 49.097 ms
Loss rate: 7.86%

Run 1: Report of Verus — Data Link

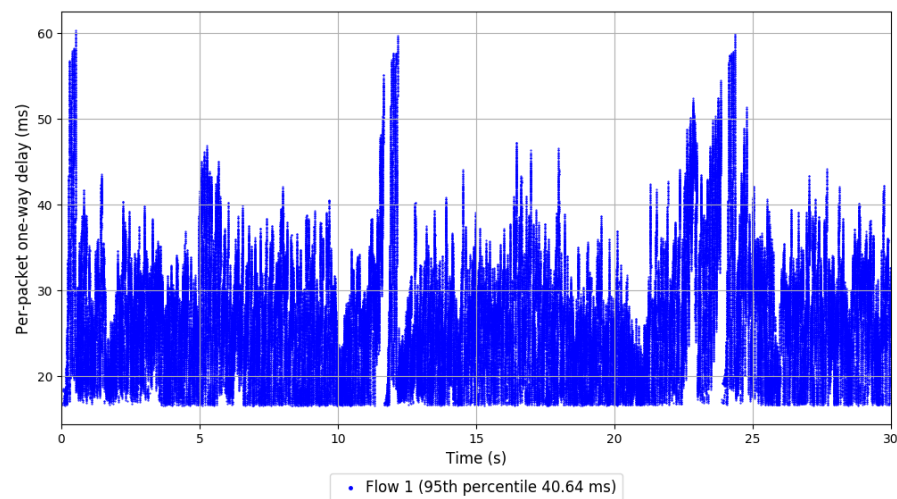
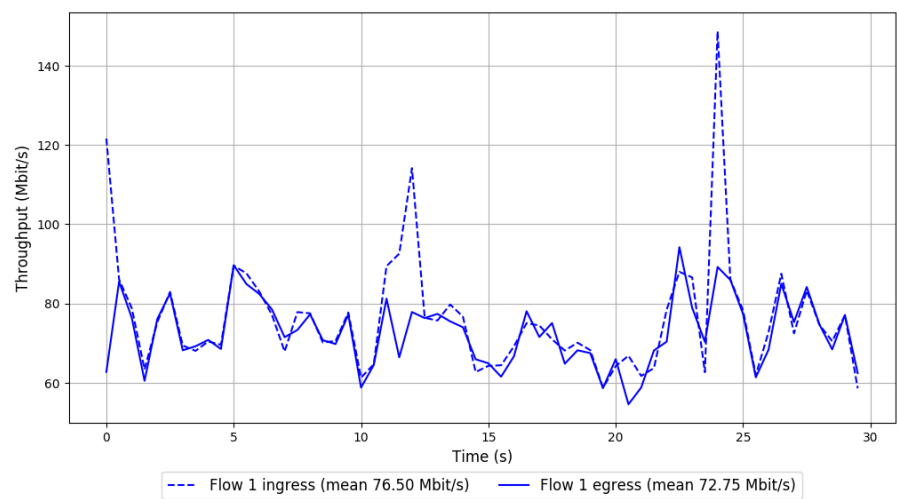


Run 2: Statistics of Verus

Start at: 2018-04-24 08:55:28
End at: 2018-04-24 08:55:58
Local clock offset: -5.314 ms
Remote clock offset: -2.647 ms

Below is generated by plot.py at 2018-04-24 12:13:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.75 Mbit/s
95th percentile per-packet one-way delay: 40.638 ms
Loss rate: 4.90%
-- Flow 1:
Average throughput: 72.75 Mbit/s
95th percentile per-packet one-way delay: 40.638 ms
Loss rate: 4.90%

Run 2: Report of Verus — Data Link

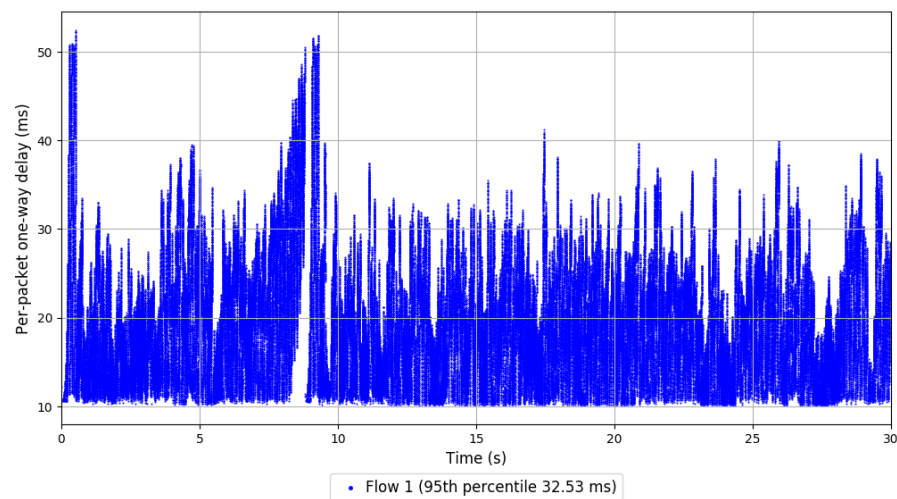
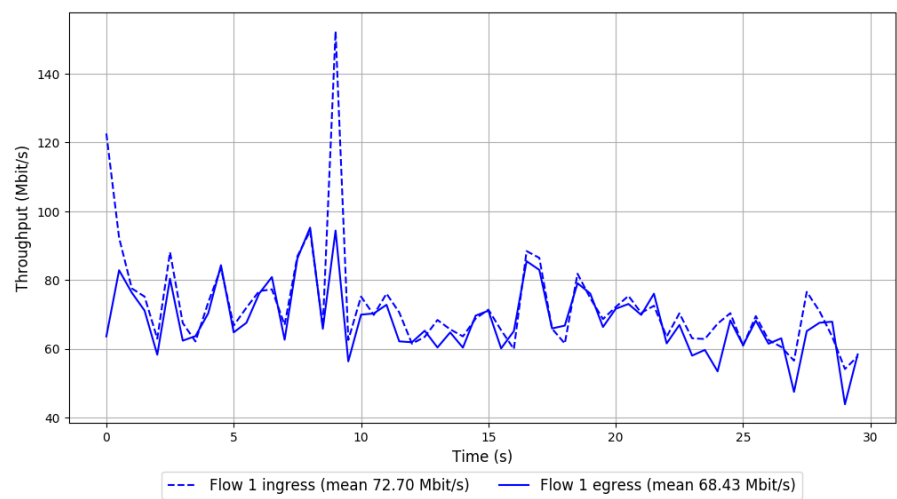


Run 3: Statistics of Verus

Start at: 2018-04-24 09:14:51
End at: 2018-04-24 09:15:21
Local clock offset: -5.62 ms
Remote clock offset: -4.695 ms

Below is generated by plot.py at 2018-04-24 12:13:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.43 Mbit/s
95th percentile per-packet one-way delay: 32.529 ms
Loss rate: 5.83%
-- Flow 1:
Average throughput: 68.43 Mbit/s
95th percentile per-packet one-way delay: 32.529 ms
Loss rate: 5.83%

Run 3: Report of Verus — Data Link

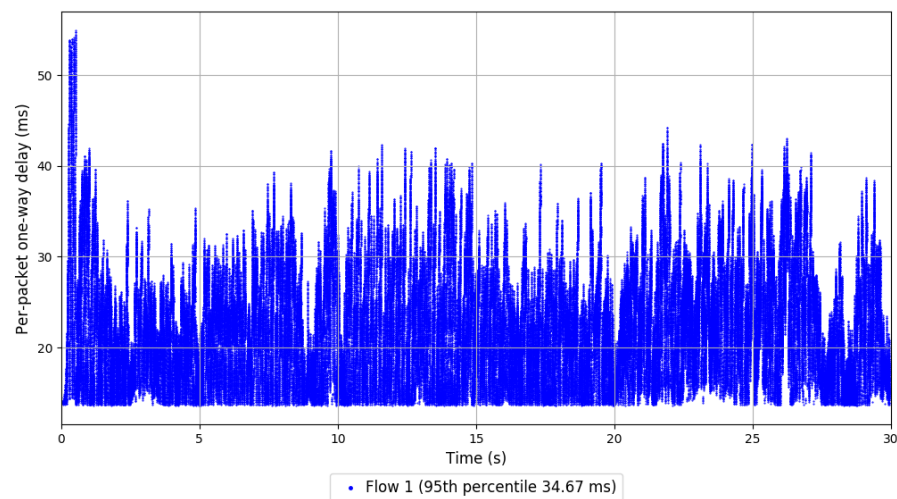
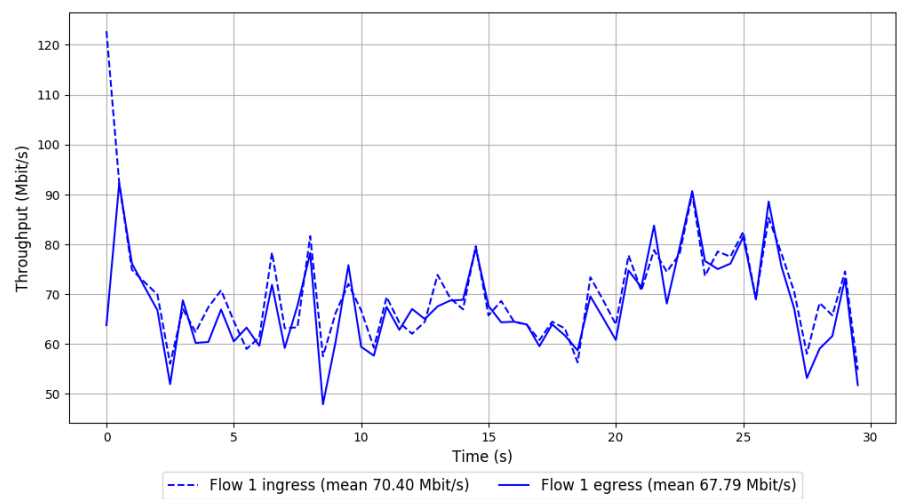


Run 4: Statistics of Verus

Start at: 2018-04-24 09:34:34
End at: 2018-04-24 09:35:04
Local clock offset: -8.742 ms
Remote clock offset: -2.329 ms

Below is generated by plot.py at 2018-04-24 12:13:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.79 Mbit/s
95th percentile per-packet one-way delay: 34.667 ms
Loss rate: 3.70%
-- Flow 1:
Average throughput: 67.79 Mbit/s
95th percentile per-packet one-way delay: 34.667 ms
Loss rate: 3.70%

Run 4: Report of Verus — Data Link

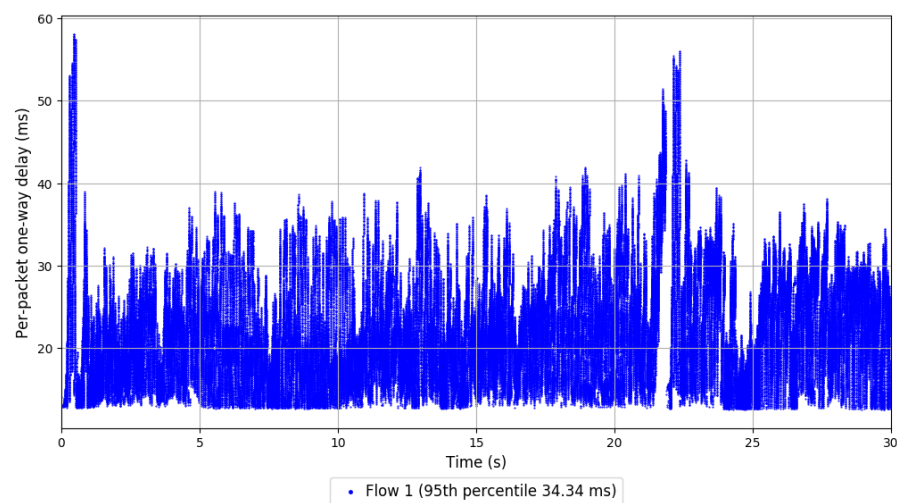
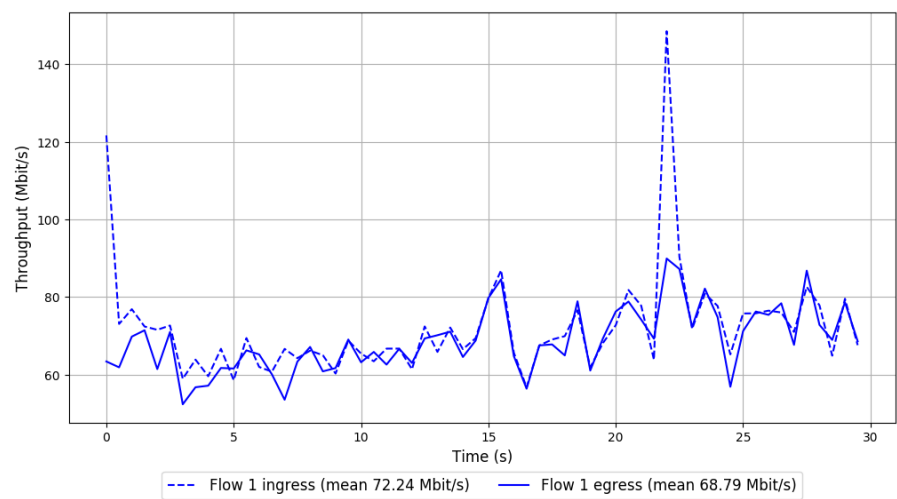


Run 5: Statistics of Verus

Start at: 2018-04-24 09:54:12
End at: 2018-04-24 09:54:42
Local clock offset: -3.688 ms
Remote clock offset: 14.376 ms

Below is generated by plot.py at 2018-04-24 12:13:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.79 Mbit/s
95th percentile per-packet one-way delay: 34.335 ms
Loss rate: 4.78%
-- Flow 1:
Average throughput: 68.79 Mbit/s
95th percentile per-packet one-way delay: 34.335 ms
Loss rate: 4.78%

Run 5: Report of Verus — Data Link

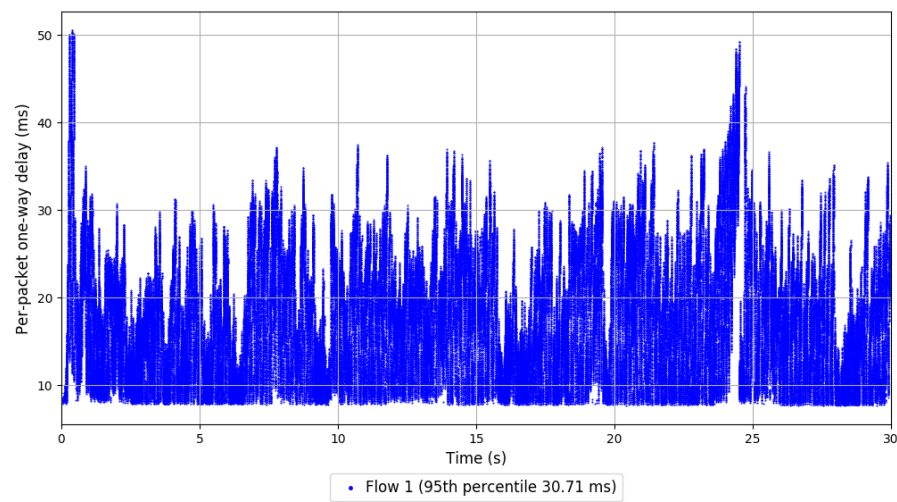
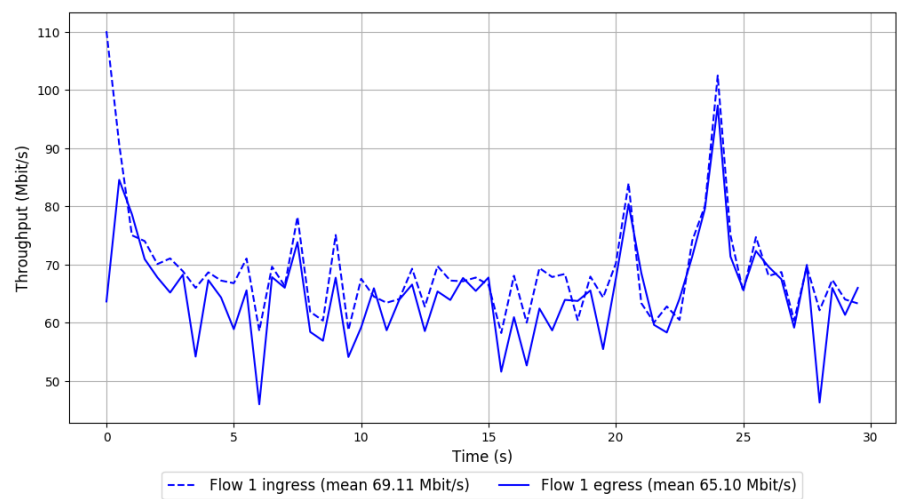


Run 6: Statistics of Verus

Start at: 2018-04-24 10:13:33
End at: 2018-04-24 10:14:03
Local clock offset: -3.425 ms
Remote clock offset: 15.771 ms

Below is generated by plot.py at 2018-04-24 12:14:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.10 Mbit/s
95th percentile per-packet one-way delay: 30.714 ms
Loss rate: 5.77%
-- Flow 1:
Average throughput: 65.10 Mbit/s
95th percentile per-packet one-way delay: 30.714 ms
Loss rate: 5.77%

Run 6: Report of Verus — Data Link

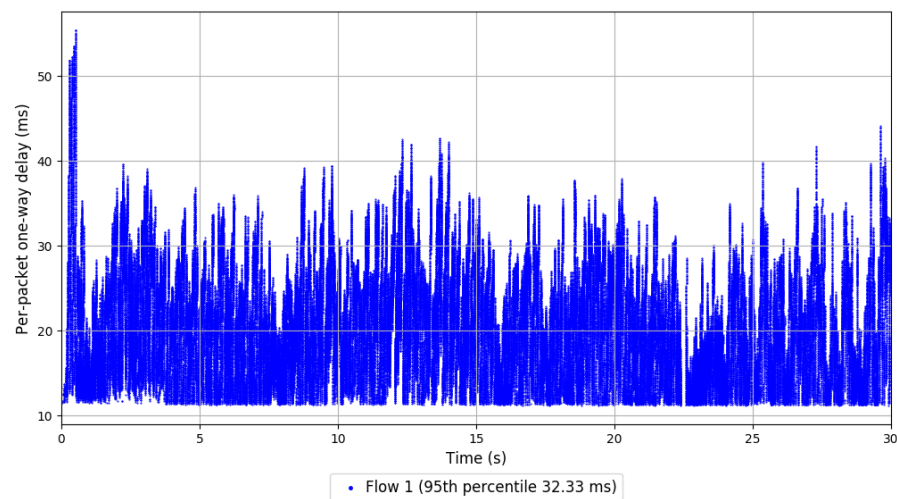
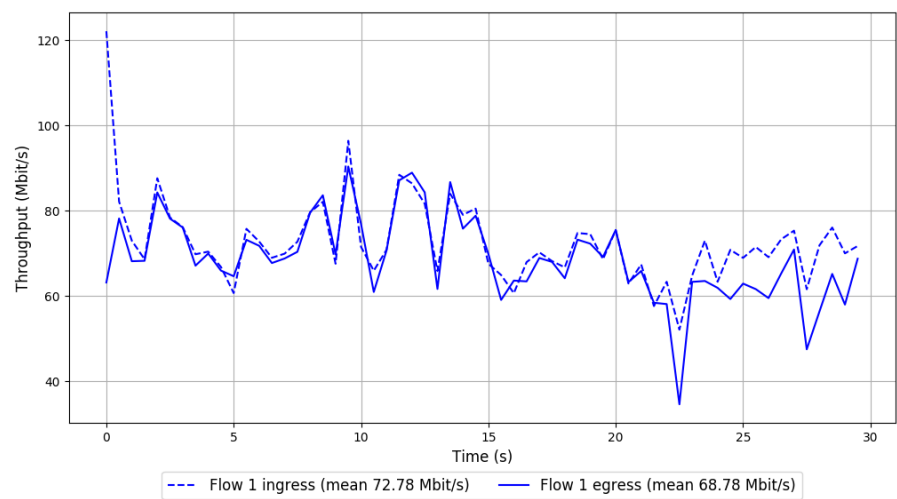


Run 7: Statistics of Verus

Start at: 2018-04-24 10:33:09
End at: 2018-04-24 10:33:39
Local clock offset: -6.6 ms
Remote clock offset: 21.876 ms

Below is generated by plot.py at 2018-04-24 12:14:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.78 Mbit/s
95th percentile per-packet one-way delay: 32.325 ms
Loss rate: 5.45%
-- Flow 1:
Average throughput: 68.78 Mbit/s
95th percentile per-packet one-way delay: 32.325 ms
Loss rate: 5.45%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-04-24 10:52:40

End at: 2018-04-24 10:53:11

Local clock offset: -5.83 ms

Remote clock offset: 0.206 ms

Below is generated by plot.py at 2018-04-24 12:14:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.69 Mbit/s

95th percentile per-packet one-way delay: 33.908 ms

Loss rate: 4.41%

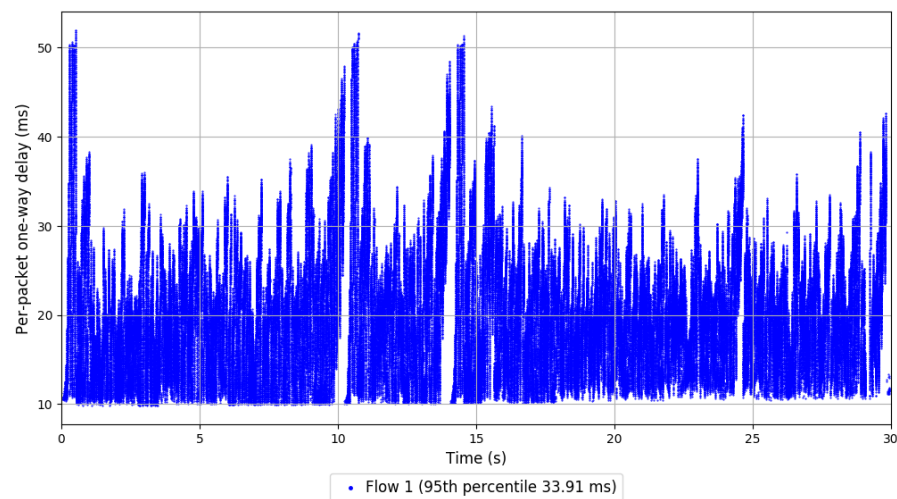
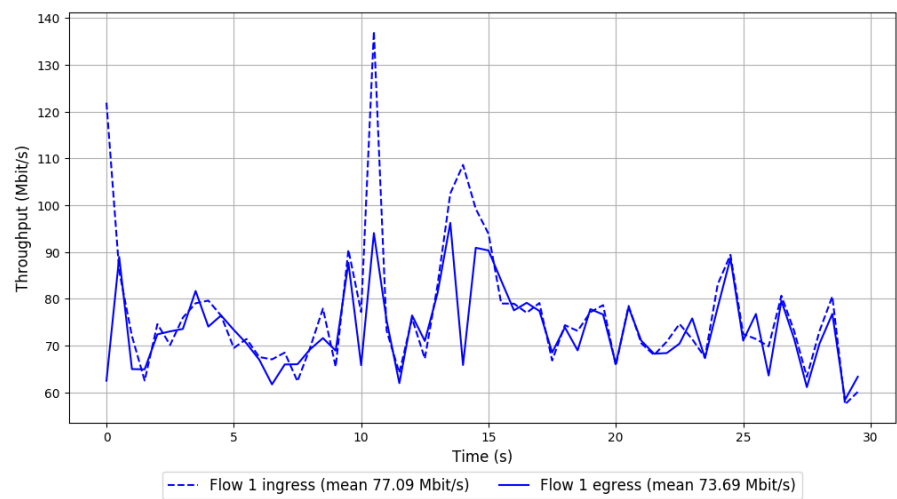
-- Flow 1:

Average throughput: 73.69 Mbit/s

95th percentile per-packet one-way delay: 33.908 ms

Loss rate: 4.41%

Run 8: Report of Verus — Data Link

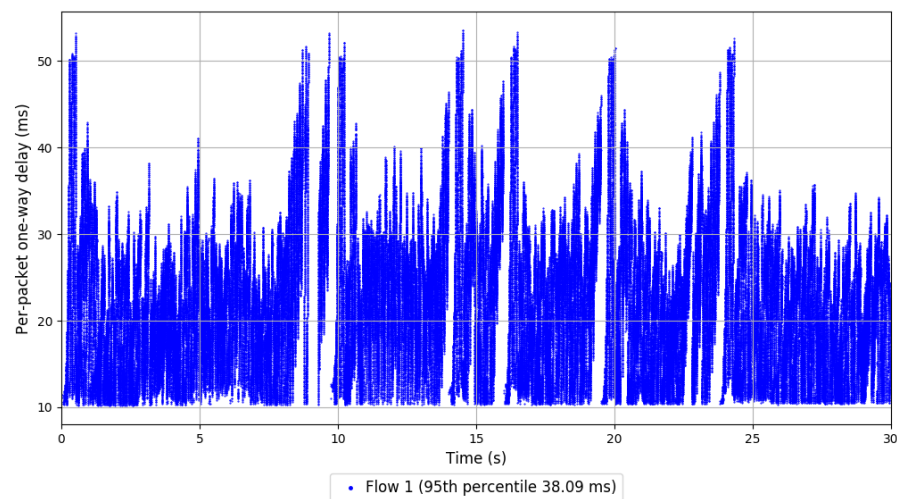
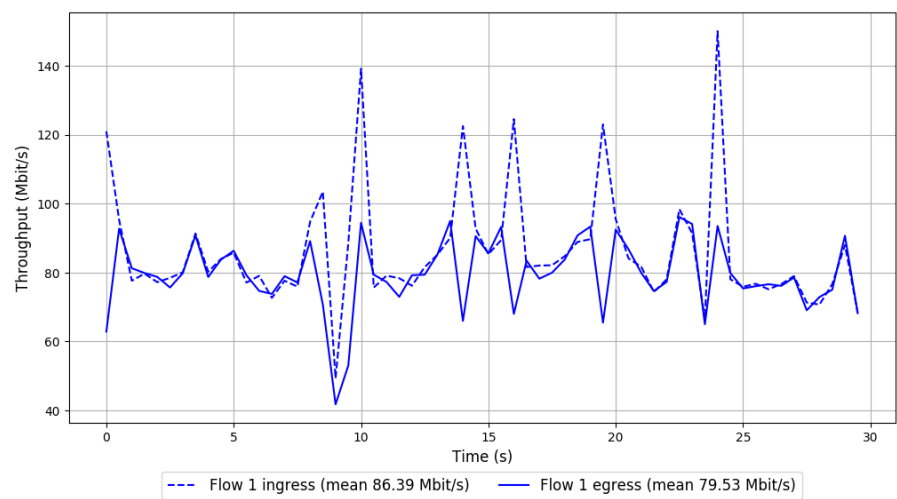


Run 9: Statistics of Verus

Start at: 2018-04-24 11:12:10
End at: 2018-04-24 11:12:40
Local clock offset: -4.933 ms
Remote clock offset: -14.386 ms

Below is generated by plot.py at 2018-04-24 12:14:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.53 Mbit/s
95th percentile per-packet one-way delay: 38.094 ms
Loss rate: 7.90%
-- Flow 1:
Average throughput: 79.53 Mbit/s
95th percentile per-packet one-way delay: 38.094 ms
Loss rate: 7.90%

Run 9: Report of Verus — Data Link

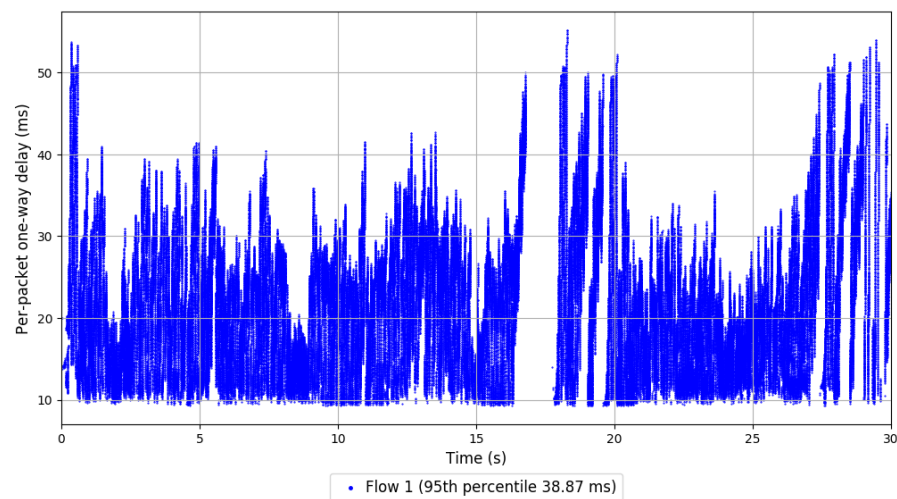
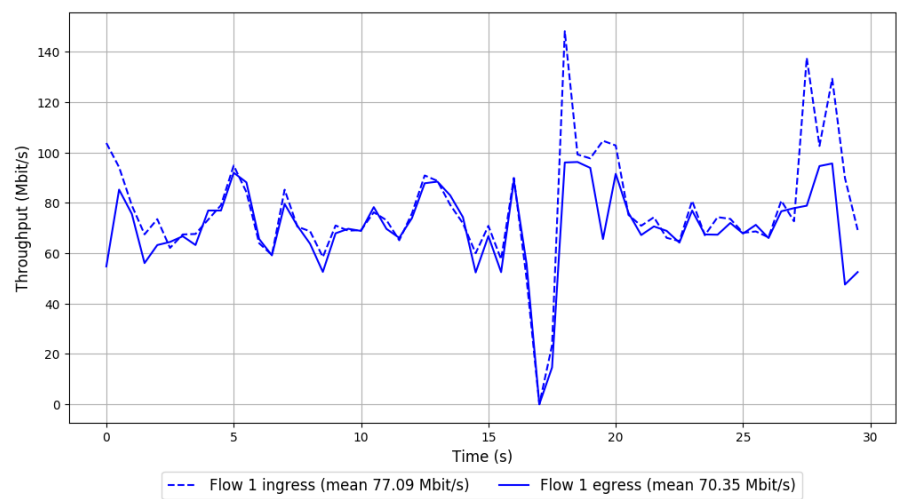


Run 10: Statistics of Verus

Start at: 2018-04-24 11:31:48
End at: 2018-04-24 11:32:18
Local clock offset: -4.434 ms
Remote clock offset: -7.829 ms

Below is generated by plot.py at 2018-04-24 12:14:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.35 Mbit/s
95th percentile per-packet one-way delay: 38.873 ms
Loss rate: 8.72%
-- Flow 1:
Average throughput: 70.35 Mbit/s
95th percentile per-packet one-way delay: 38.873 ms
Loss rate: 8.72%

Run 10: Report of Verus — Data Link

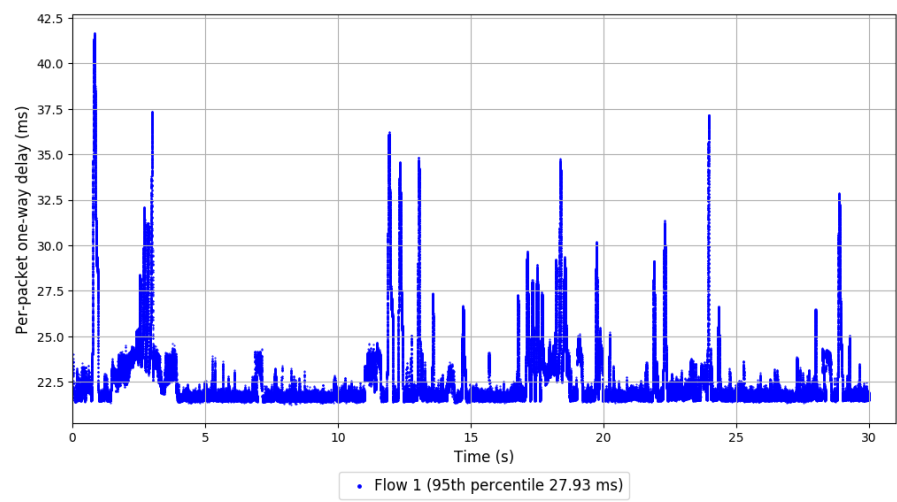
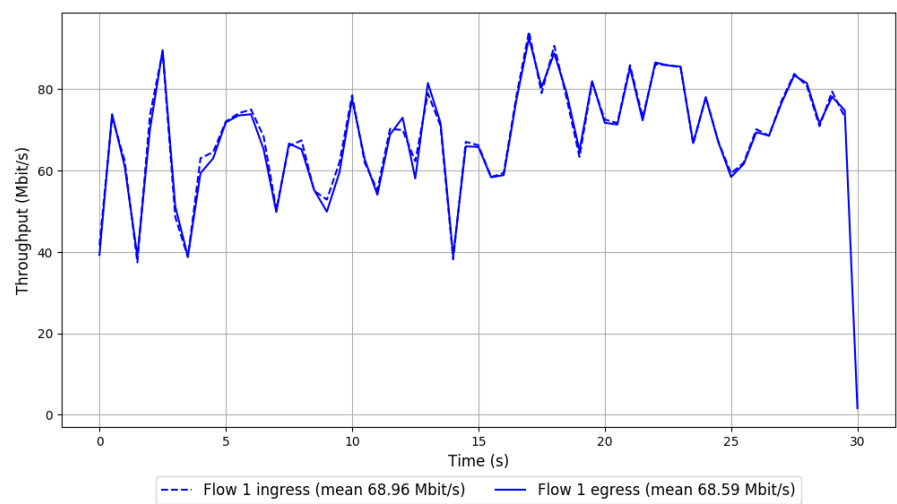


Run 1: Statistics of Copa

Start at: 2018-04-24 08:39:23
End at: 2018-04-24 08:39:53
Local clock offset: -7.787 ms
Remote clock offset: -0.437 ms

Below is generated by plot.py at 2018-04-24 12:15:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.59 Mbit/s
95th percentile per-packet one-way delay: 27.930 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 68.59 Mbit/s
95th percentile per-packet one-way delay: 27.930 ms
Loss rate: 0.55%

Run 1: Report of Copa — Data Link

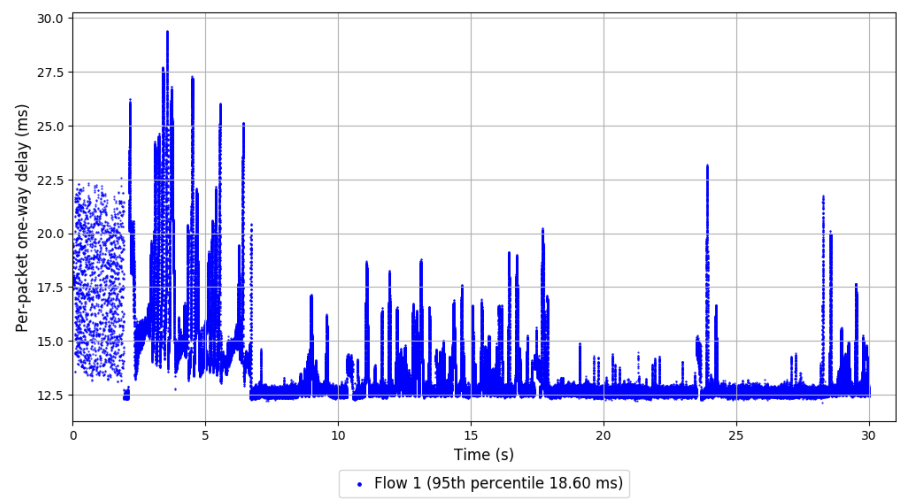
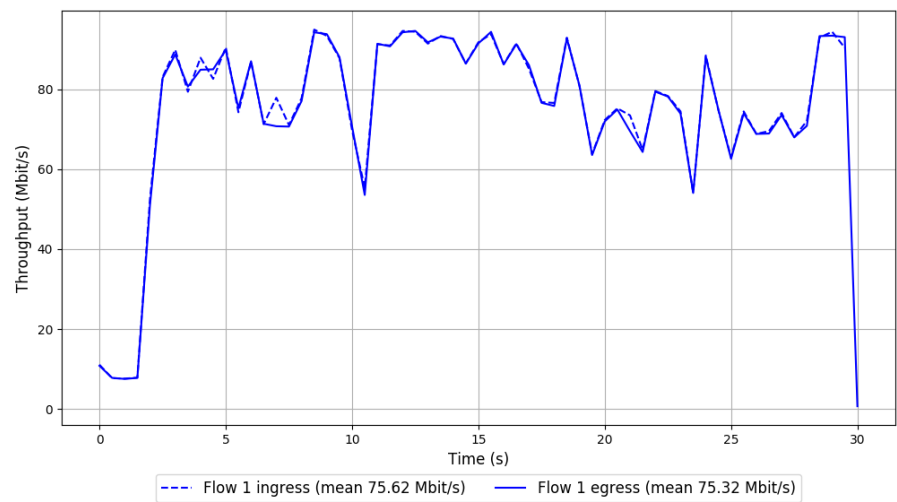


Run 2: Statistics of Copa

Start at: 2018-04-24 08:58:55
End at: 2018-04-24 08:59:25
Local clock offset: -6.616 ms
Remote clock offset: -8.083 ms

Below is generated by plot.py at 2018-04-24 12:15:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.32 Mbit/s
95th percentile per-packet one-way delay: 18.596 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 75.32 Mbit/s
95th percentile per-packet one-way delay: 18.596 ms
Loss rate: 0.41%

Run 2: Report of Copa — Data Link

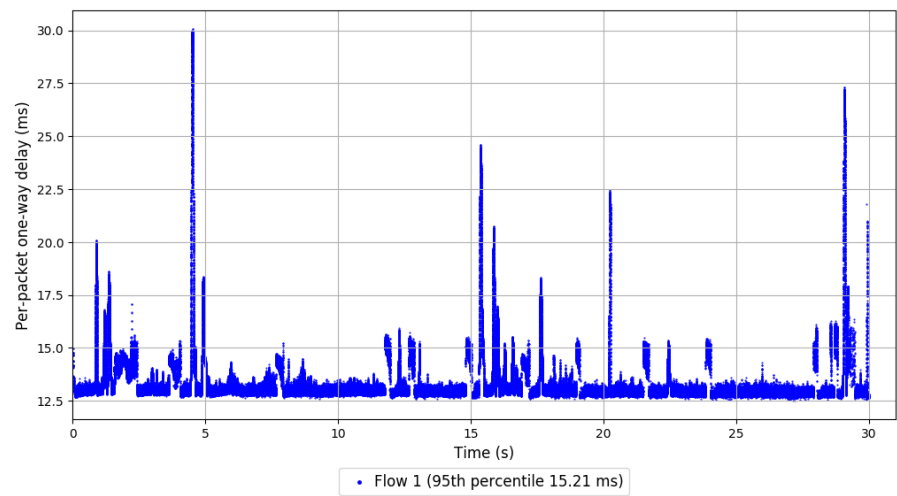
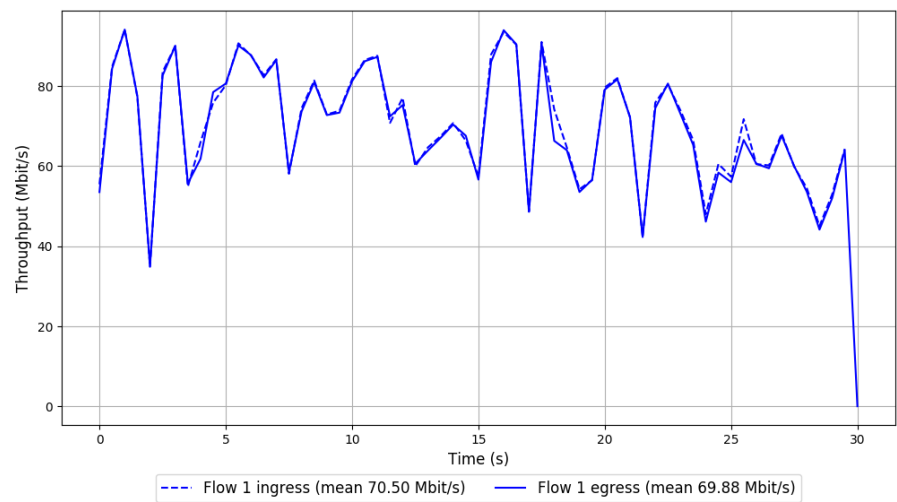


Run 3: Statistics of Copa

Start at: 2018-04-24 09:18:25
End at: 2018-04-24 09:18:55
Local clock offset: -7.853 ms
Remote clock offset: -3.929 ms

Below is generated by plot.py at 2018-04-24 12:15:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.88 Mbit/s
95th percentile per-packet one-way delay: 15.205 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 69.88 Mbit/s
95th percentile per-packet one-way delay: 15.205 ms
Loss rate: 0.88%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-04-24 09:38:08

End at: 2018-04-24 09:38:38

Local clock offset: -8.62 ms

Remote clock offset: 0.315 ms

Below is generated by plot.py at 2018-04-24 12:16:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.65 Mbit/s

95th percentile per-packet one-way delay: 18.980 ms

Loss rate: 0.44%

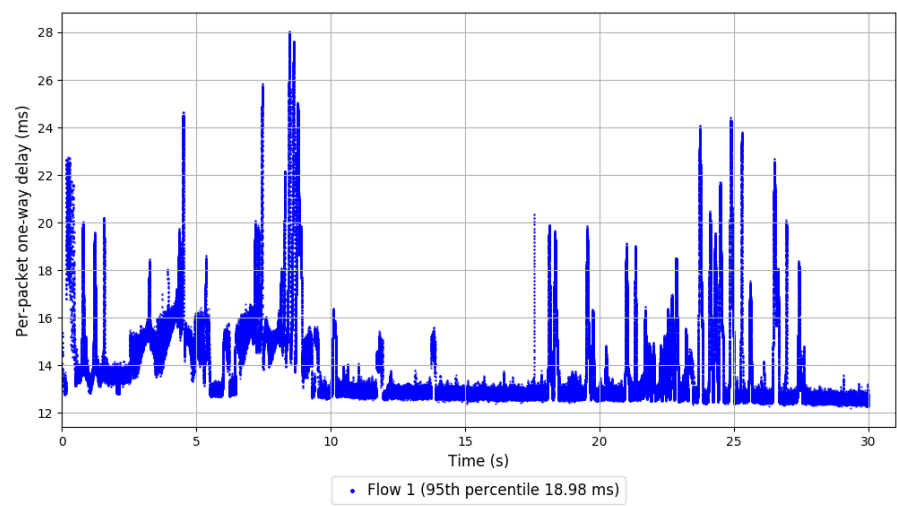
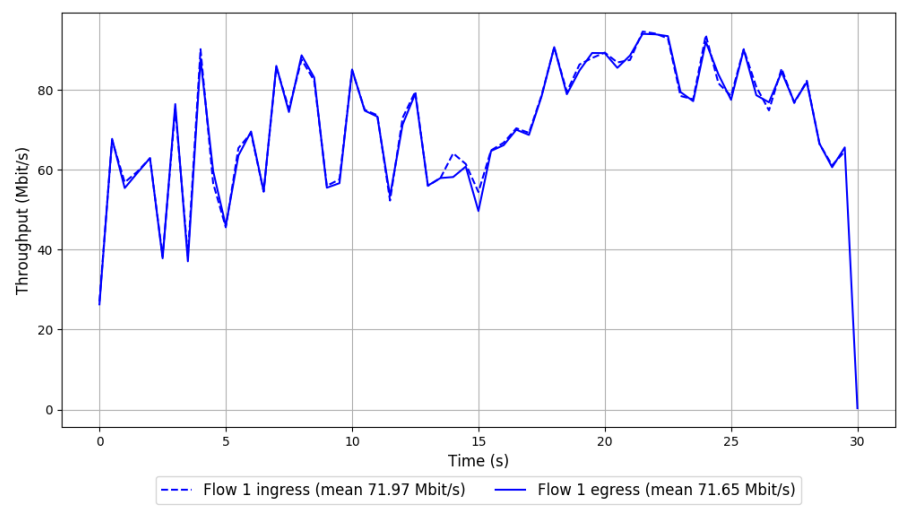
-- Flow 1:

Average throughput: 71.65 Mbit/s

95th percentile per-packet one-way delay: 18.980 ms

Loss rate: 0.44%

Run 4: Report of Copa — Data Link

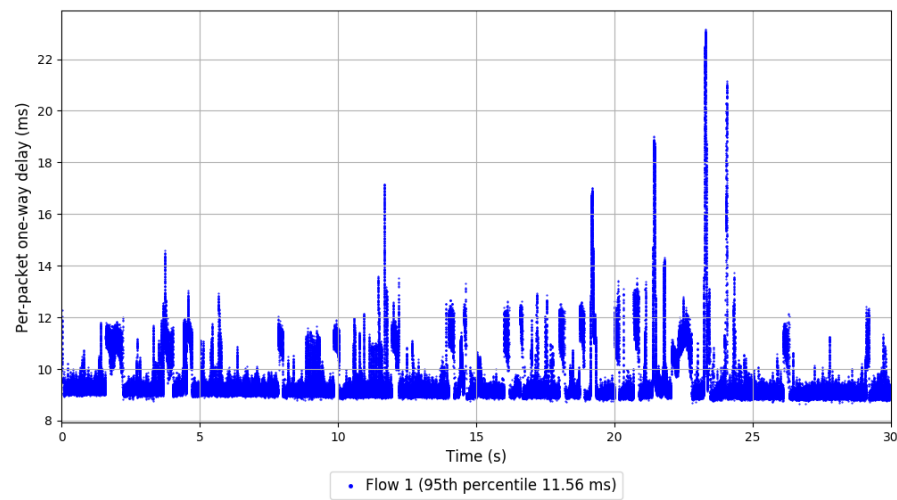
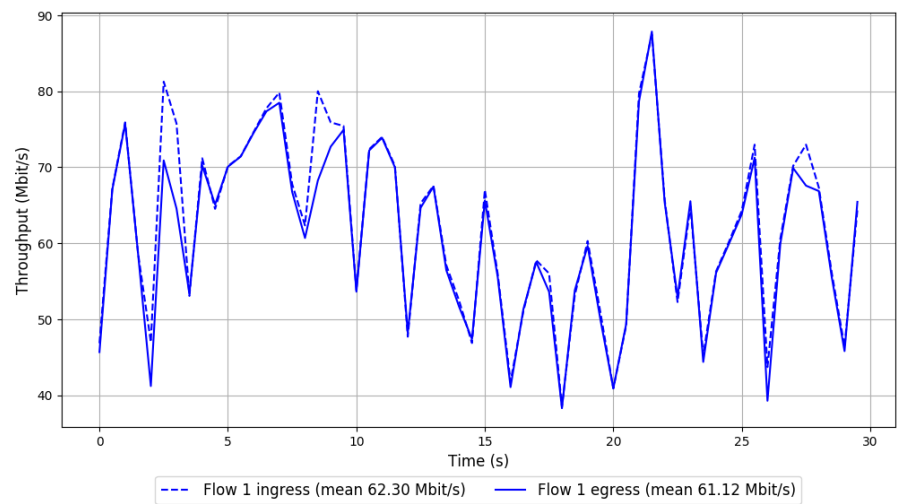


Run 5: Statistics of Copa

Start at: 2018-04-24 09:57:37
End at: 2018-04-24 09:58:07
Local clock offset: -3.914 ms
Remote clock offset: 11.487 ms

Below is generated by plot.py at 2018-04-24 12:16:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.12 Mbit/s
95th percentile per-packet one-way delay: 11.559 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 61.12 Mbit/s
95th percentile per-packet one-way delay: 11.559 ms
Loss rate: 1.90%

Run 5: Report of Copa — Data Link

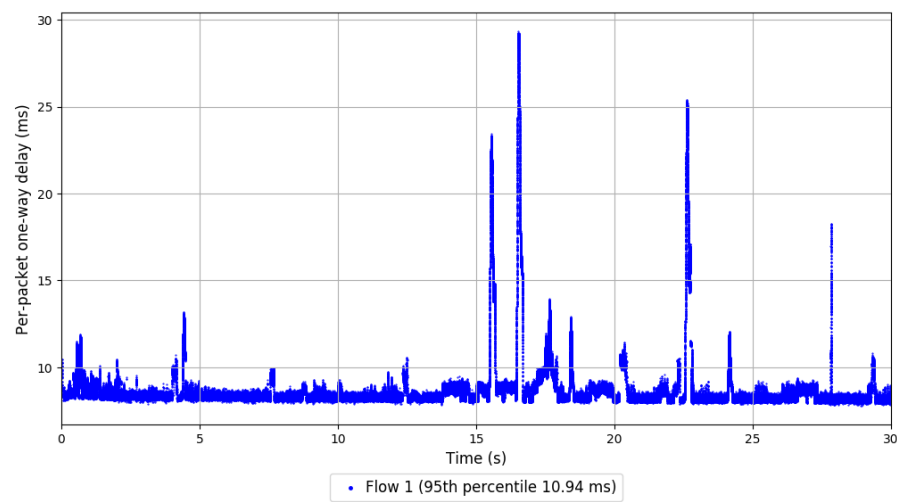
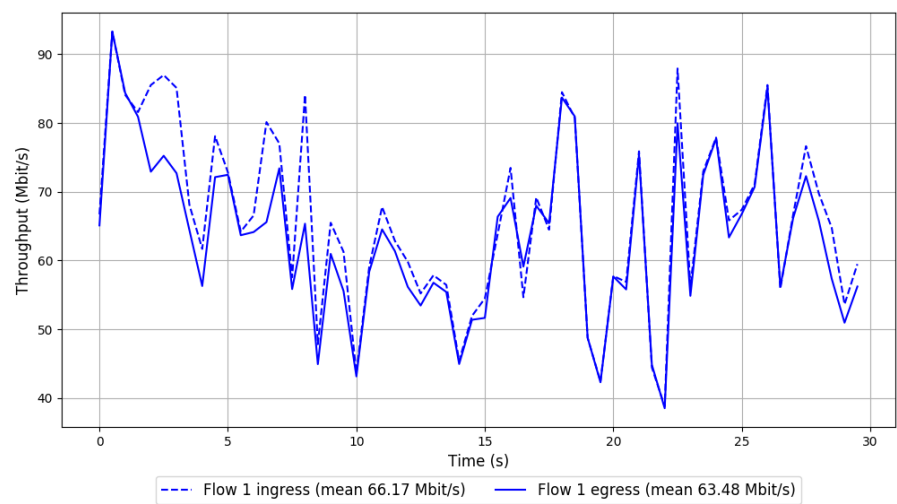


Run 6: Statistics of Copa

Start at: 2018-04-24 10:17:03
End at: 2018-04-24 10:17:33
Local clock offset: -3.84 ms
Remote clock offset: 16.948 ms

Below is generated by plot.py at 2018-04-24 12:16:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.48 Mbit/s
95th percentile per-packet one-way delay: 10.940 ms
Loss rate: 4.07%
-- Flow 1:
Average throughput: 63.48 Mbit/s
95th percentile per-packet one-way delay: 10.940 ms
Loss rate: 4.07%

Run 6: Report of Copa — Data Link

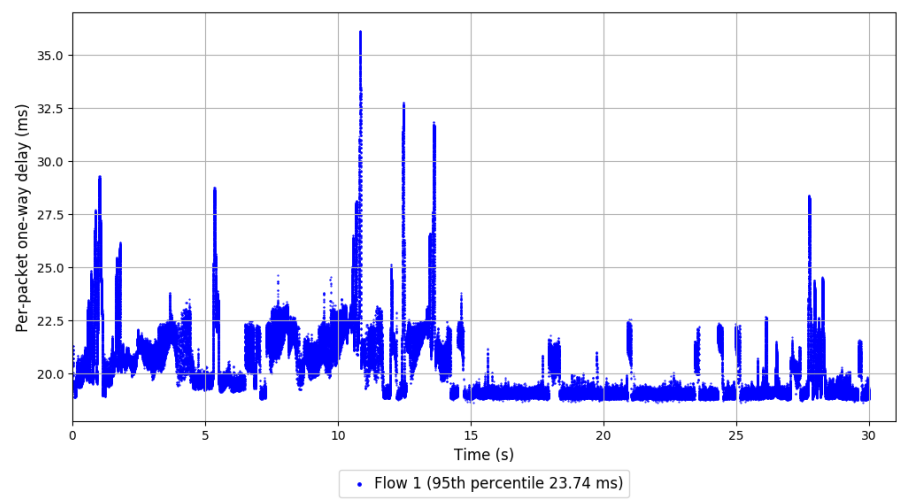
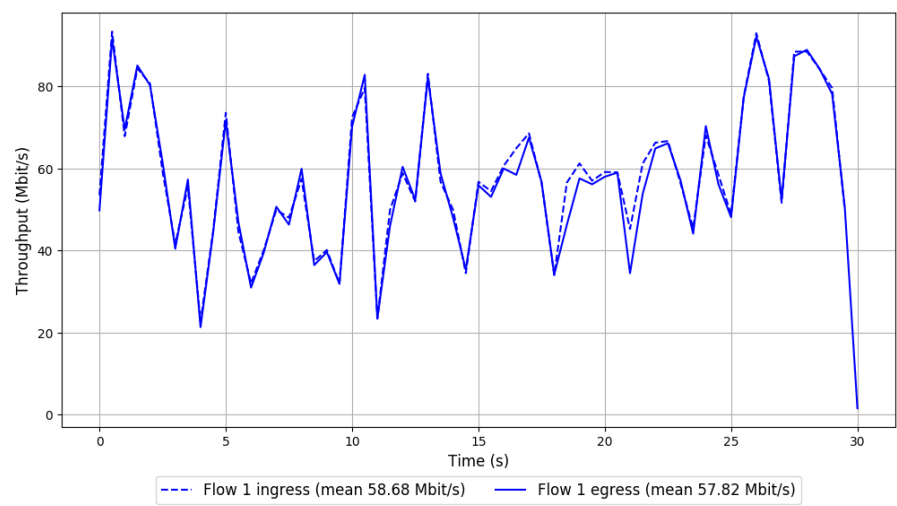


Run 7: Statistics of Copa

Start at: 2018-04-24 10:36:38
End at: 2018-04-24 10:37:08
Local clock offset: -6.452 ms
Remote clock offset: 30.674 ms

Below is generated by plot.py at 2018-04-24 12:16:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.82 Mbit/s
95th percentile per-packet one-way delay: 23.737 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 57.82 Mbit/s
95th percentile per-packet one-way delay: 23.737 ms
Loss rate: 1.47%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-04-24 10:56:11

End at: 2018-04-24 10:56:41

Local clock offset: -6.732 ms

Remote clock offset: 1.363 ms

Below is generated by plot.py at 2018-04-24 12:17:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.67 Mbit/s

95th percentile per-packet one-way delay: 24.061 ms

Loss rate: 0.09%

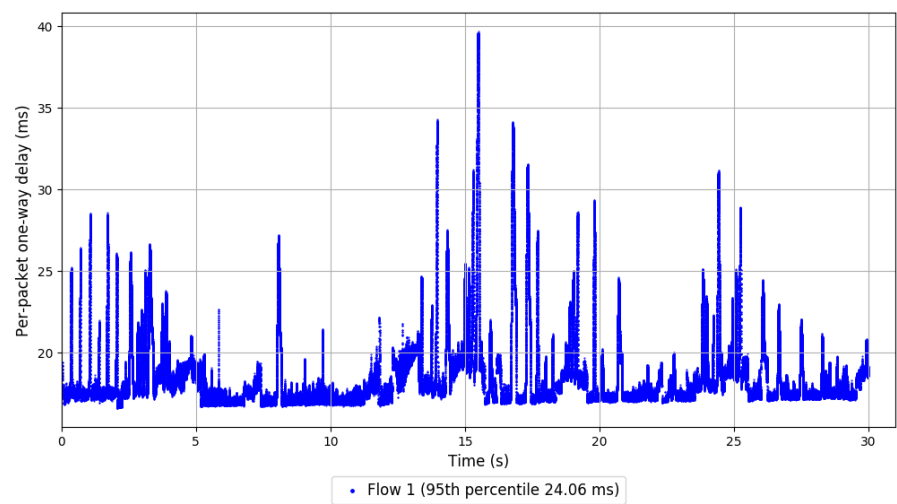
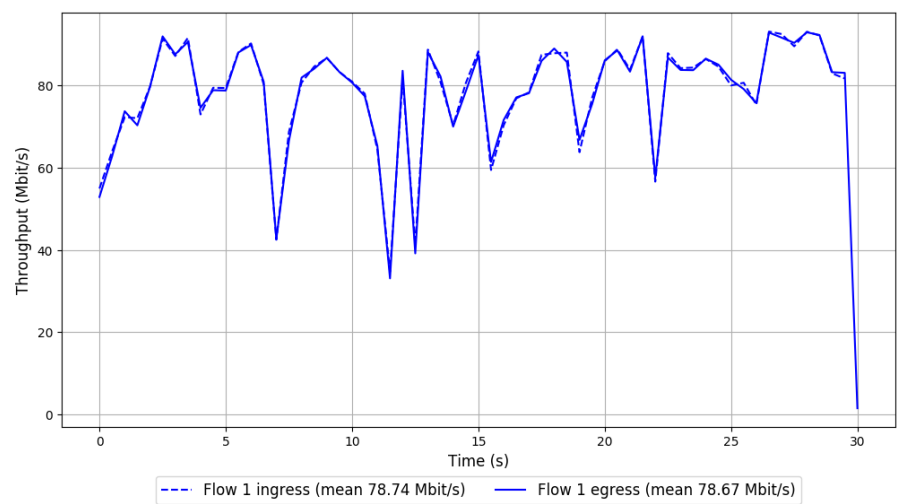
-- Flow 1:

Average throughput: 78.67 Mbit/s

95th percentile per-packet one-way delay: 24.061 ms

Loss rate: 0.09%

Run 8: Report of Copa — Data Link

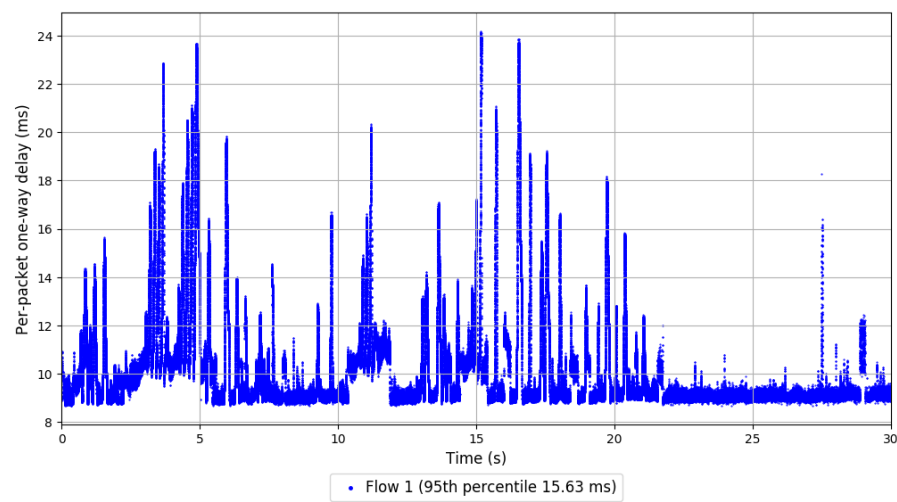
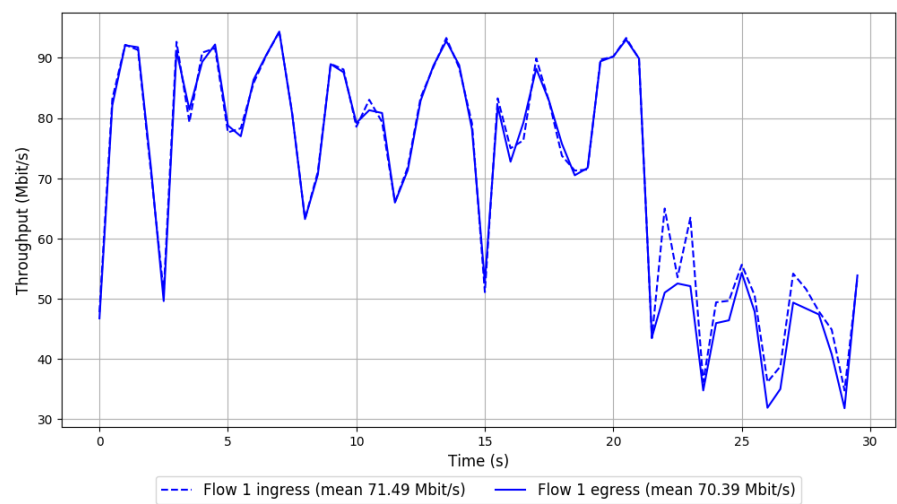


Run 9: Statistics of Copa

Start at: 2018-04-24 11:15:43
End at: 2018-04-24 11:16:13
Local clock offset: -5.041 ms
Remote clock offset: -17.277 ms

Below is generated by plot.py at 2018-04-24 12:17:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.39 Mbit/s
95th percentile per-packet one-way delay: 15.629 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 70.39 Mbit/s
95th percentile per-packet one-way delay: 15.629 ms
Loss rate: 1.54%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-04-24 11:35:24

End at: 2018-04-24 11:35:54

Local clock offset: -6.04 ms

Remote clock offset: -7.261 ms

Below is generated by plot.py at 2018-04-24 12:17:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.35 Mbit/s

95th percentile per-packet one-way delay: 16.442 ms

Loss rate: 0.08%

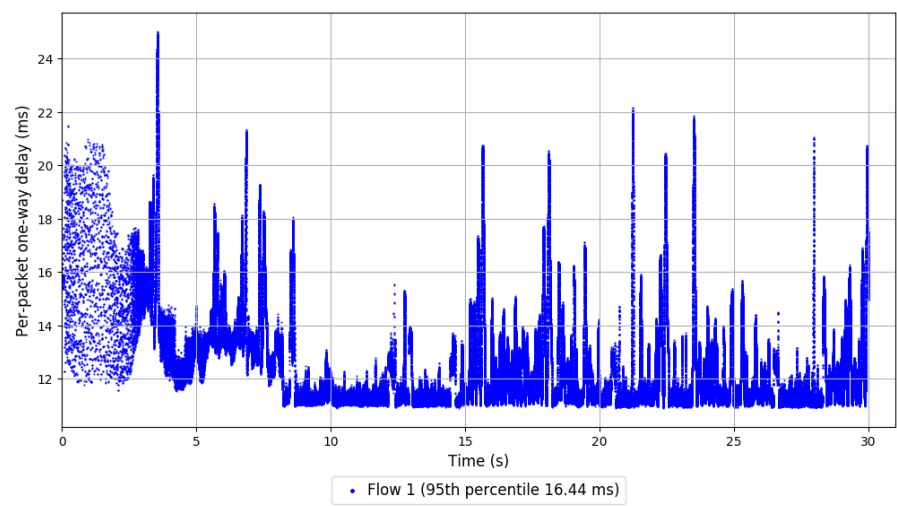
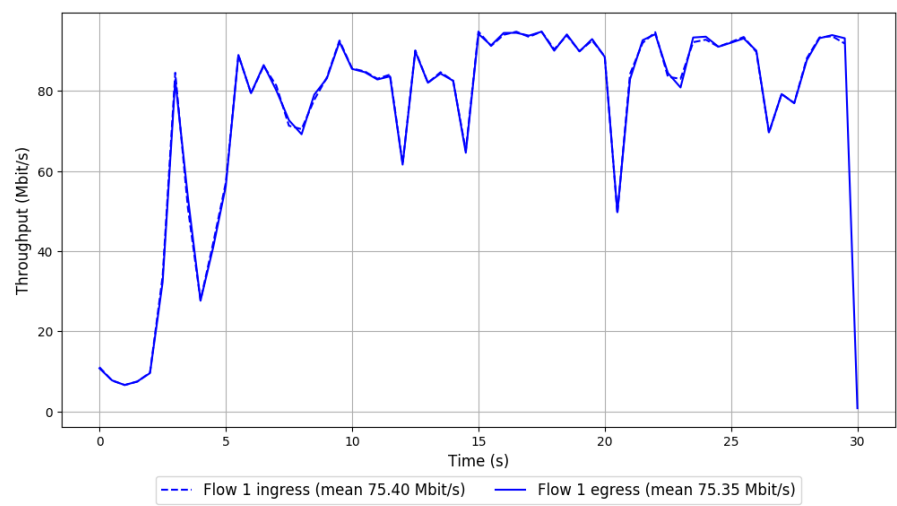
-- Flow 1:

Average throughput: 75.35 Mbit/s

95th percentile per-packet one-way delay: 16.442 ms

Loss rate: 0.08%

Run 10: Report of Copa — Data Link



Run 1: Statistics of FillP

Start at: 2018-04-24 08:29:07

End at: 2018-04-24 08:29:38

Local clock offset: -7.235 ms

Remote clock offset: 7.553 ms

Below is generated by plot.py at 2018-04-24 12:17:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.91 Mbit/s

95th percentile per-packet one-way delay: 42.764 ms

Loss rate: 4.19%

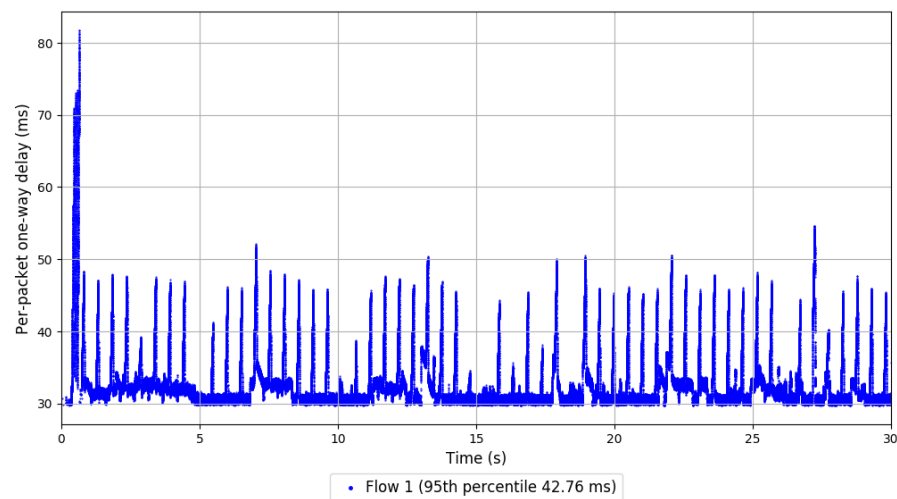
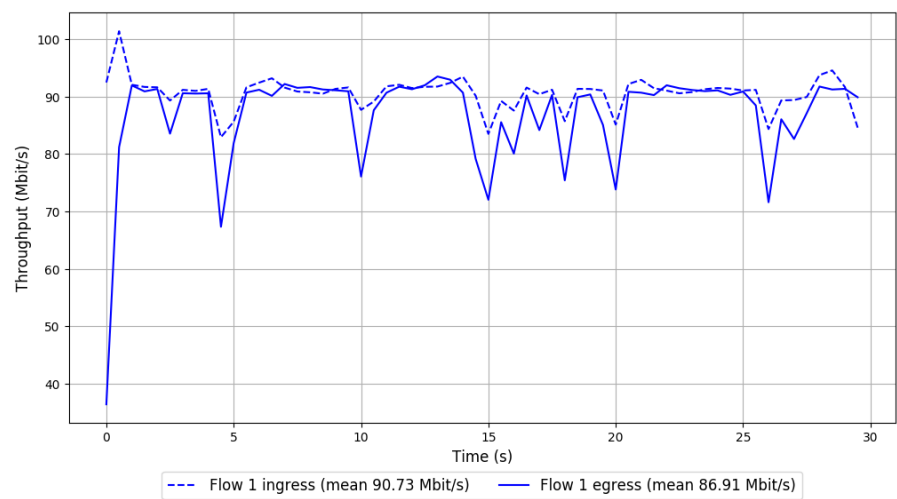
-- Flow 1:

Average throughput: 86.91 Mbit/s

95th percentile per-packet one-way delay: 42.764 ms

Loss rate: 4.19%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-04-24 08:48:37

End at: 2018-04-24 08:49:07

Local clock offset: -7.446 ms

Remote clock offset: 6.74 ms

Below is generated by plot.py at 2018-04-24 12:17:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.18 Mbit/s

95th percentile per-packet one-way delay: 39.576 ms

Loss rate: 4.61%

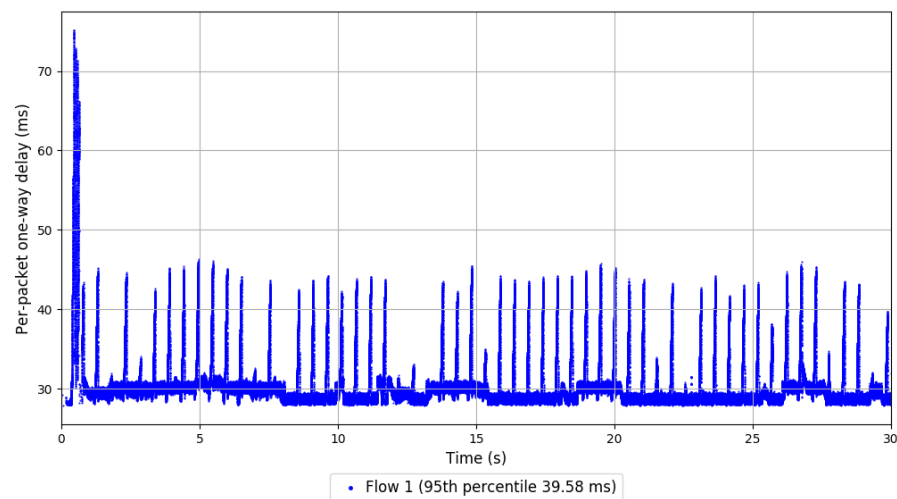
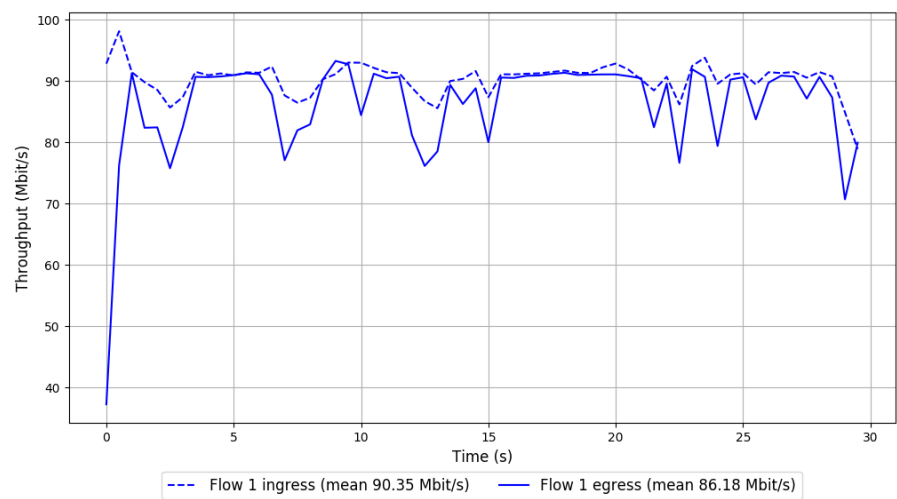
-- Flow 1:

Average throughput: 86.18 Mbit/s

95th percentile per-packet one-way delay: 39.576 ms

Loss rate: 4.61%

Run 2: Report of FillP — Data Link

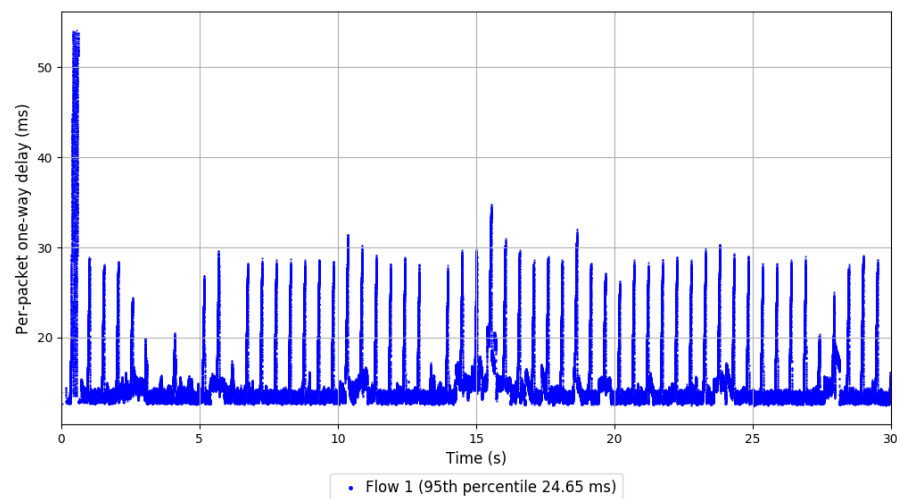
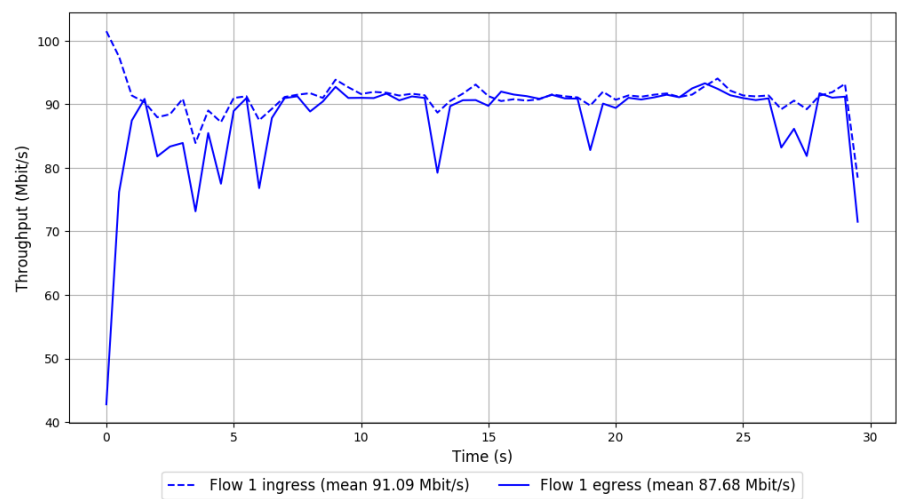


Run 3: Statistics of FillP

Start at: 2018-04-24 09:07:58
End at: 2018-04-24 09:08:28
Local clock offset: -7.408 ms
Remote clock offset: -5.833 ms

Below is generated by plot.py at 2018-04-24 12:17:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.68 Mbit/s
95th percentile per-packet one-way delay: 24.647 ms
Loss rate: 3.74%
-- Flow 1:
Average throughput: 87.68 Mbit/s
95th percentile per-packet one-way delay: 24.647 ms
Loss rate: 3.74%

Run 3: Report of FillP — Data Link

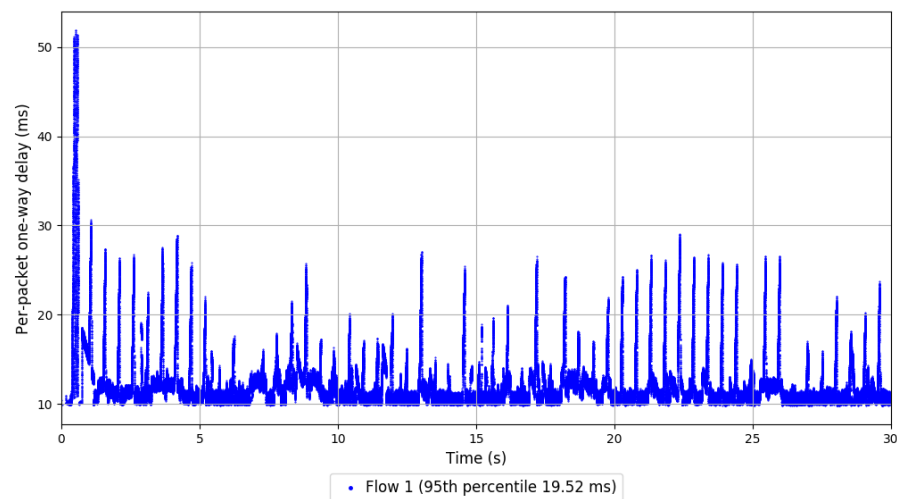
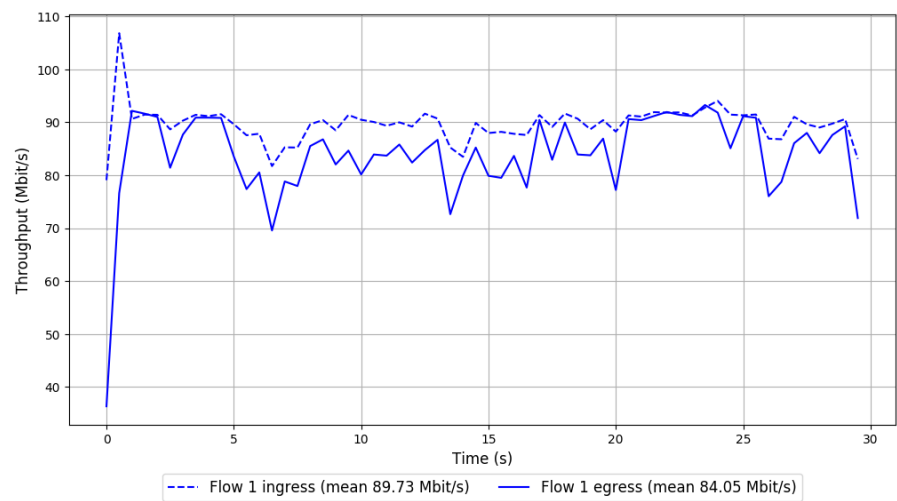


Run 4: Statistics of FillP

Start at: 2018-04-24 09:27:33
End at: 2018-04-24 09:28:03
Local clock offset: -5.362 ms
Remote clock offset: -3.459 ms

Below is generated by plot.py at 2018-04-24 12:17:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.05 Mbit/s
95th percentile per-packet one-way delay: 19.518 ms
Loss rate: 6.33%
-- Flow 1:
Average throughput: 84.05 Mbit/s
95th percentile per-packet one-way delay: 19.518 ms
Loss rate: 6.33%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-04-24 09:47:09

End at: 2018-04-24 09:47:39

Local clock offset: -8.545 ms

Remote clock offset: 6.76 ms

Below is generated by plot.py at 2018-04-24 12:18:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.35 Mbit/s

95th percentile per-packet one-way delay: 23.187 ms

Loss rate: 5.42%

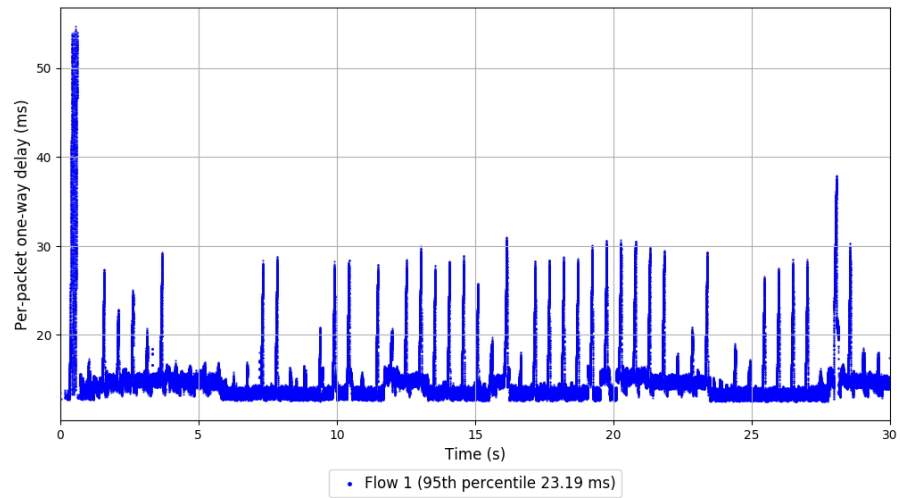
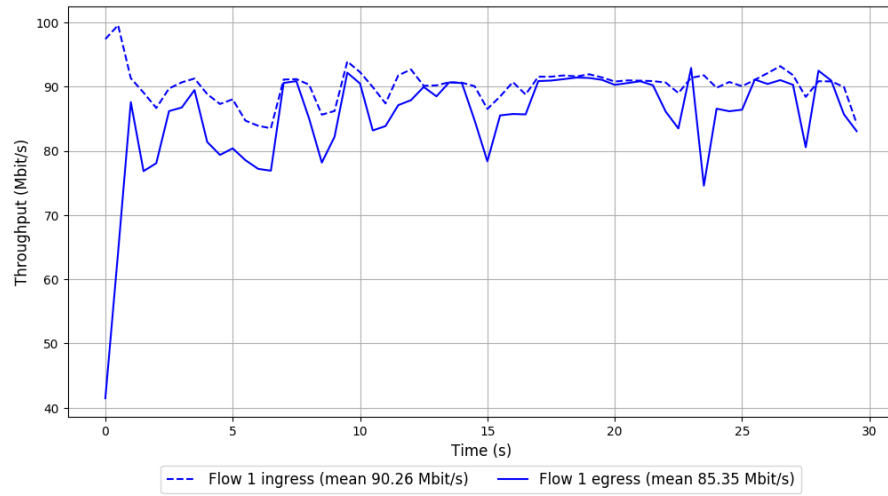
-- Flow 1:

Average throughput: 85.35 Mbit/s

95th percentile per-packet one-way delay: 23.187 ms

Loss rate: 5.42%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-04-24 10:06:43

End at: 2018-04-24 10:07:13

Local clock offset: -3.82 ms

Remote clock offset: 14.72 ms

Below is generated by plot.py at 2018-04-24 12:18:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.76 Mbit/s

95th percentile per-packet one-way delay: 22.543 ms

Loss rate: 3.82%

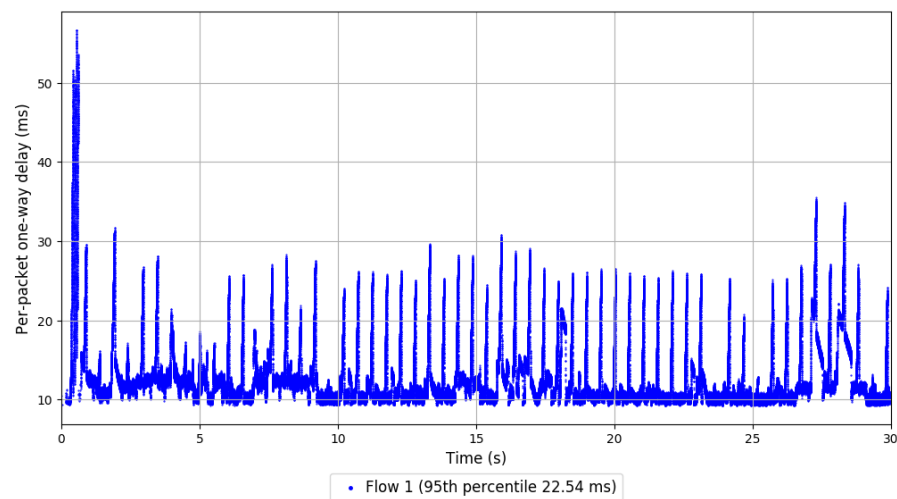
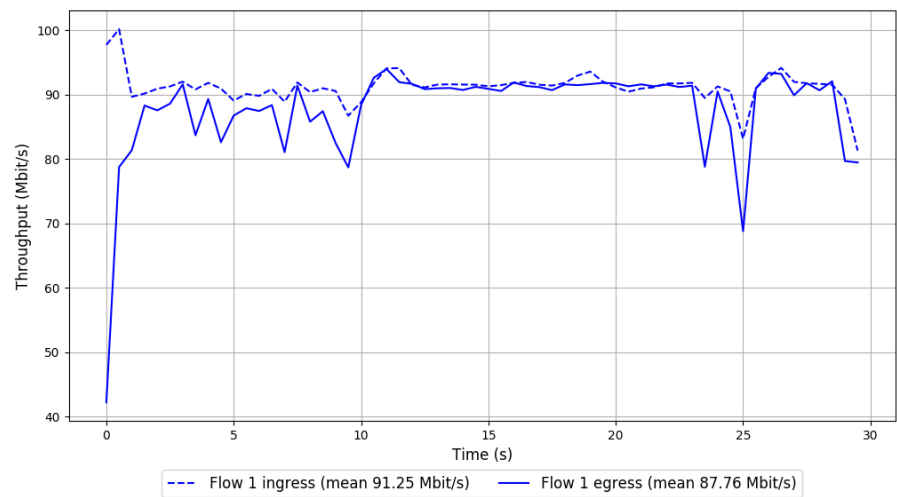
-- Flow 1:

Average throughput: 87.76 Mbit/s

95th percentile per-packet one-way delay: 22.543 ms

Loss rate: 3.82%

Run 6: Report of FillP — Data Link

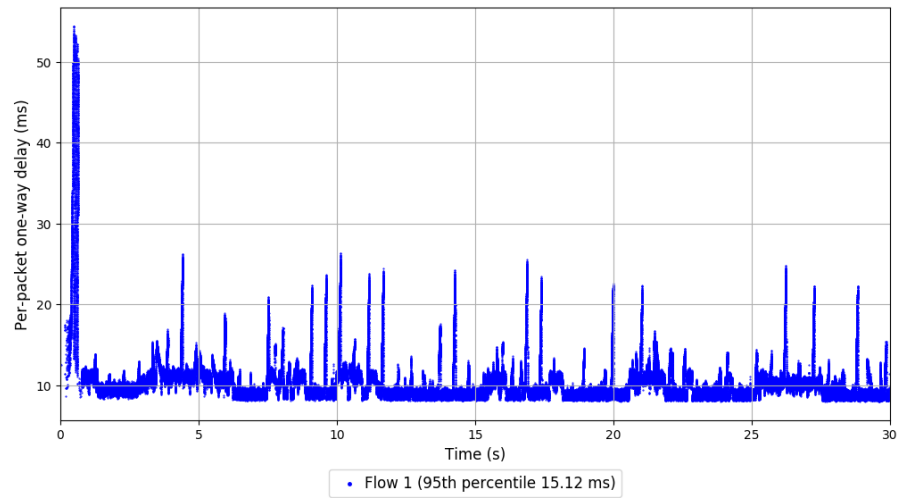
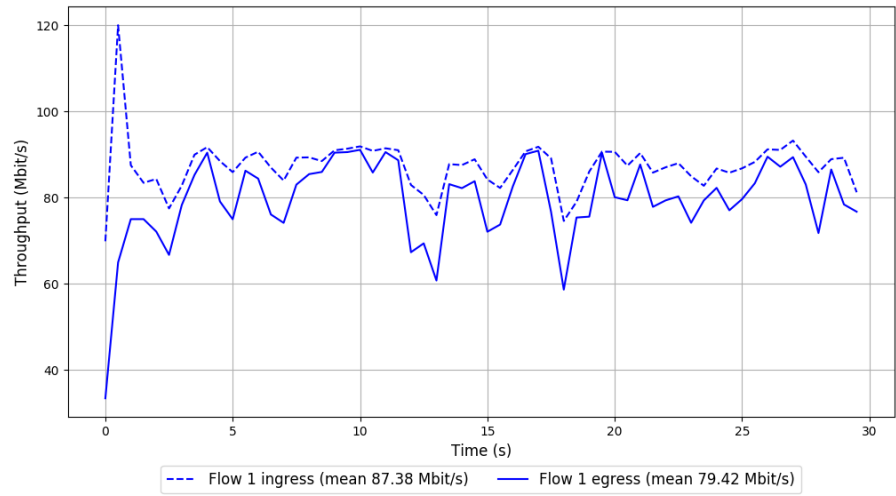


Run 7: Statistics of FillP

Start at: 2018-04-24 10:26:12
End at: 2018-04-24 10:26:42
Local clock offset: -3.57 ms
Remote clock offset: 19.827 ms

Below is generated by plot.py at 2018-04-24 12:18:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.42 Mbit/s
95th percentile per-packet one-way delay: 15.115 ms
Loss rate: 9.11%
-- Flow 1:
Average throughput: 79.42 Mbit/s
95th percentile per-packet one-way delay: 15.115 ms
Loss rate: 9.11%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-04-24 10:45:41

End at: 2018-04-24 10:46:11

Local clock offset: -5.784 ms

Remote clock offset: 25.24 ms

Below is generated by plot.py at 2018-04-24 12:18:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.40 Mbit/s

95th percentile per-packet one-way delay: 33.280 ms

Loss rate: 2.42%

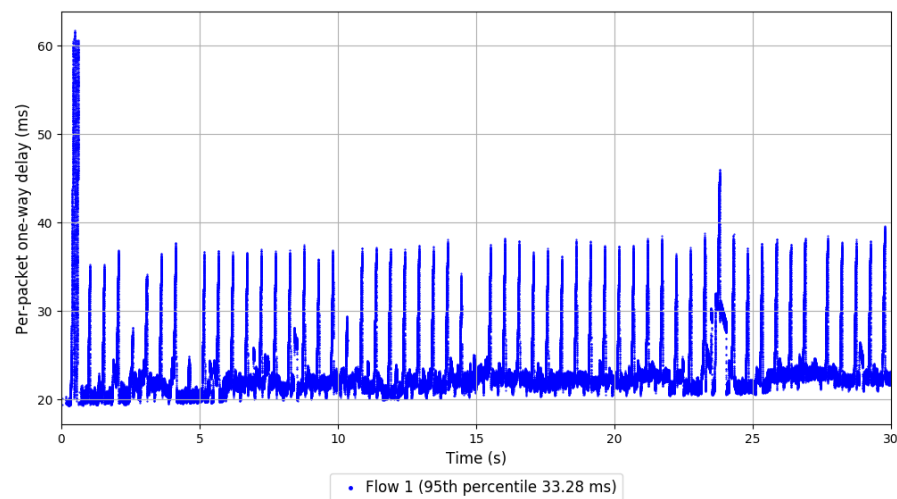
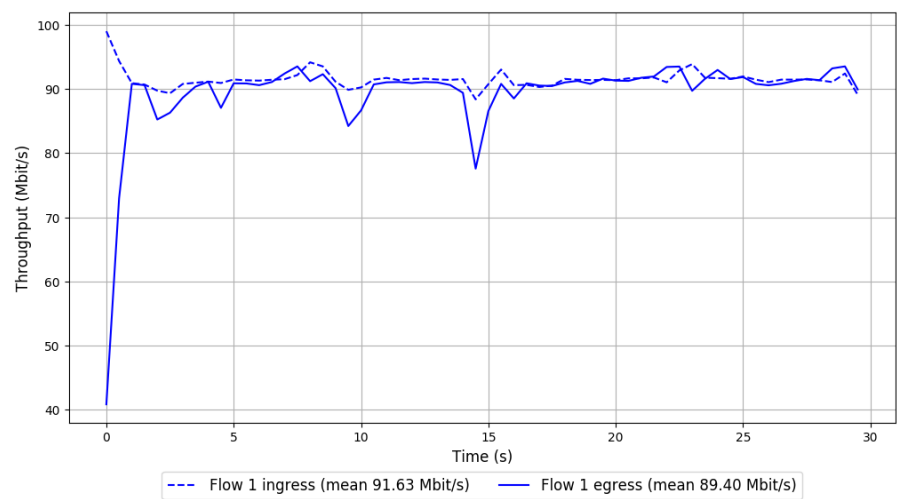
-- Flow 1:

Average throughput: 89.40 Mbit/s

95th percentile per-packet one-way delay: 33.280 ms

Loss rate: 2.42%

Run 8: Report of FillP — Data Link

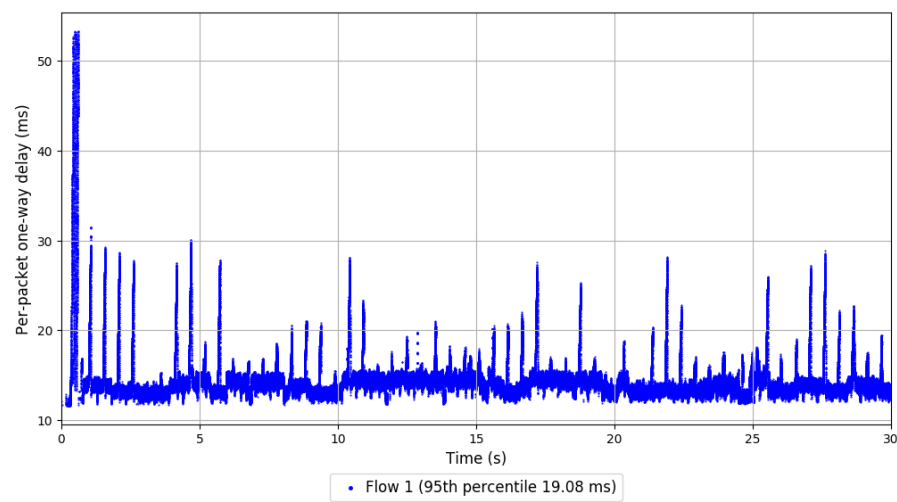
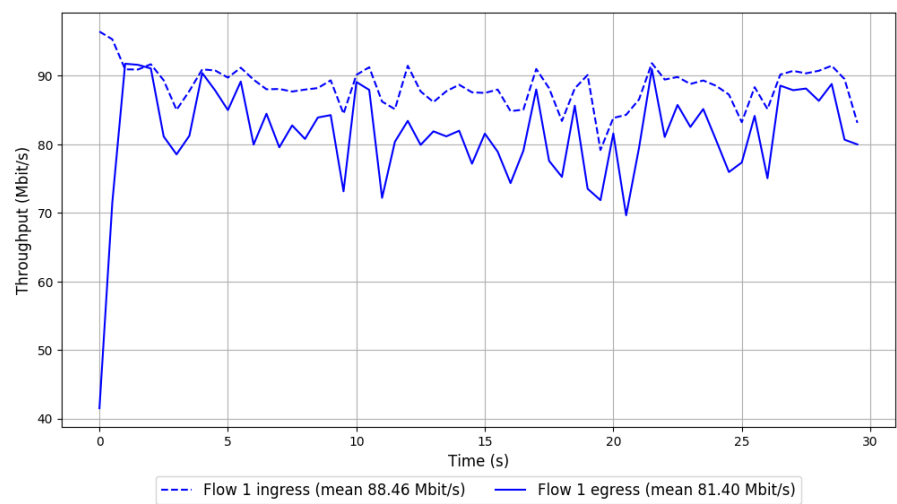


Run 9: Statistics of FillP

Start at: 2018-04-24 11:05:17
End at: 2018-04-24 11:05:47
Local clock offset: -6.877 ms
Remote clock offset: -11.207 ms

Below is generated by plot.py at 2018-04-24 12:18:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.40 Mbit/s
95th percentile per-packet one-way delay: 19.076 ms
Loss rate: 7.98%
-- Flow 1:
Average throughput: 81.40 Mbit/s
95th percentile per-packet one-way delay: 19.076 ms
Loss rate: 7.98%

Run 9: Report of FillP — Data Link

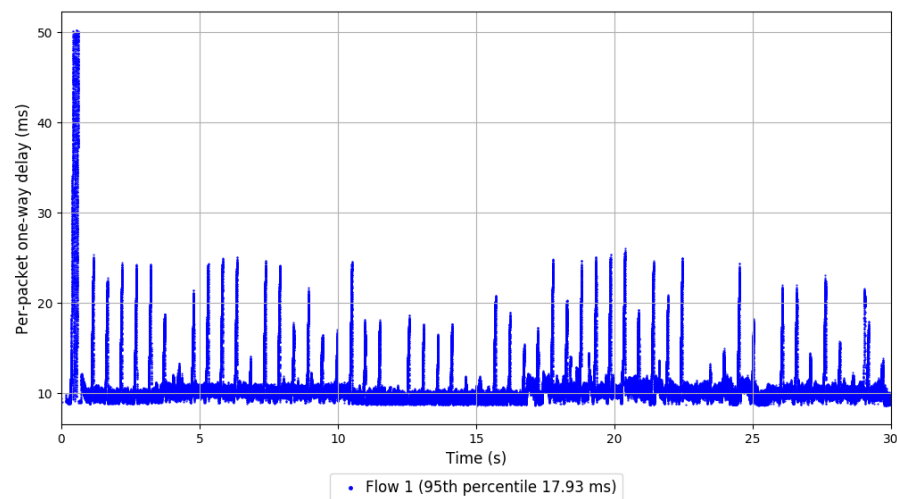
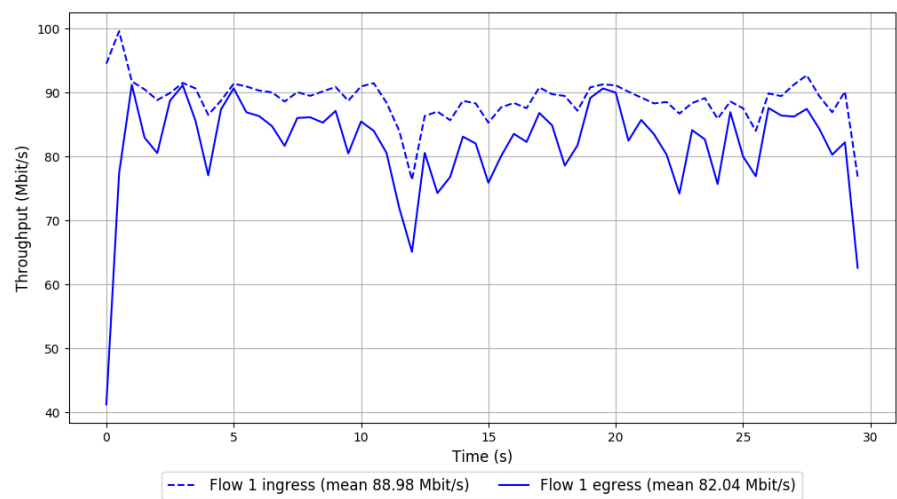


Run 10: Statistics of FillP

Start at: 2018-04-24 11:24:51
End at: 2018-04-24 11:25:21
Local clock offset: -3.963 ms
Remote clock offset: -10.121 ms

Below is generated by plot.py at 2018-04-24 12:19:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.04 Mbit/s
95th percentile per-packet one-way delay: 17.925 ms
Loss rate: 7.81%
-- Flow 1:
Average throughput: 82.04 Mbit/s
95th percentile per-packet one-way delay: 17.925 ms
Loss rate: 7.81%

Run 10: Report of FillP — Data Link

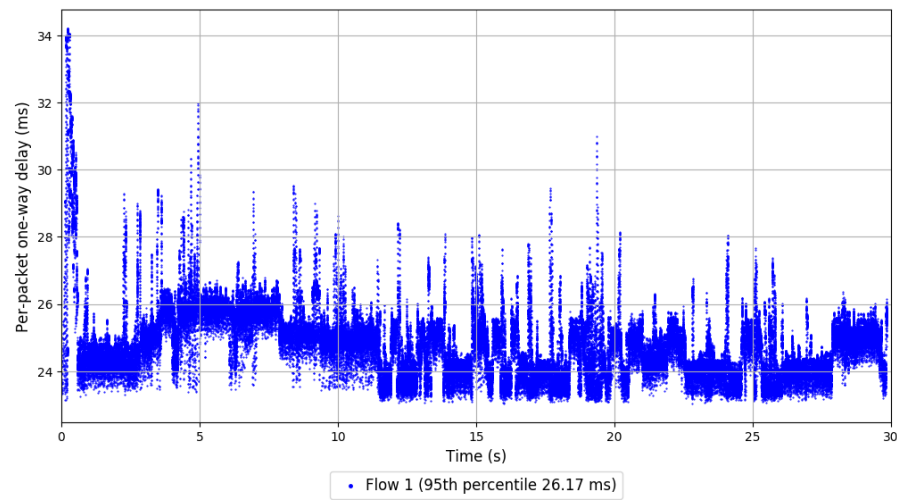
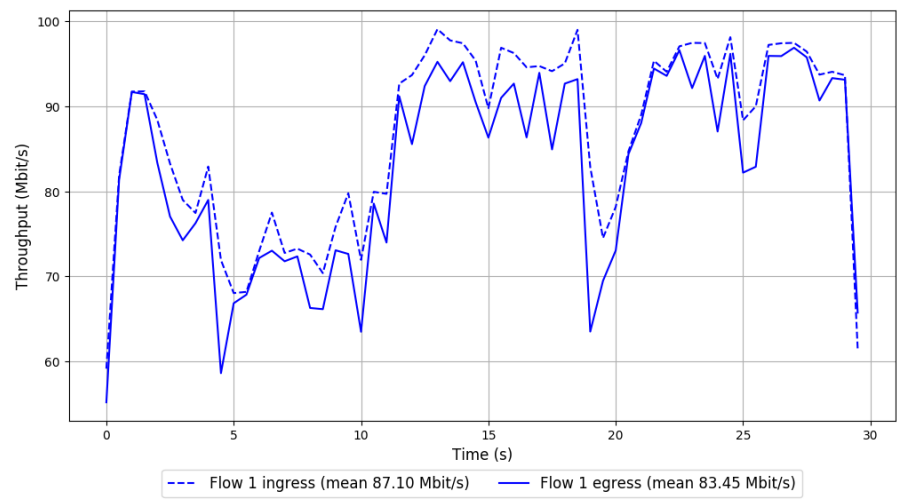


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-04-24 08:38:13
End at: 2018-04-24 08:38:43
Local clock offset: -5.04 ms
Remote clock offset: 4.197 ms

# Below is generated by plot.py at 2018-04-24 12:19:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.45 Mbit/s
95th percentile per-packet one-way delay: 26.168 ms
Loss rate: 4.19%
-- Flow 1:
Average throughput: 83.45 Mbit/s
95th percentile per-packet one-way delay: 26.168 ms
Loss rate: 4.19%
```

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



Run 2: Statistics of Indigo-1-32

Start at: 2018-04-24 08:57:44

End at: 2018-04-24 08:58:14

Local clock offset: -4.648 ms

Remote clock offset: -0.874 ms

Below is generated by plot.py at 2018-04-24 12:19:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.67 Mbit/s

95th percentile per-packet one-way delay: 21.064 ms

Loss rate: 1.94%

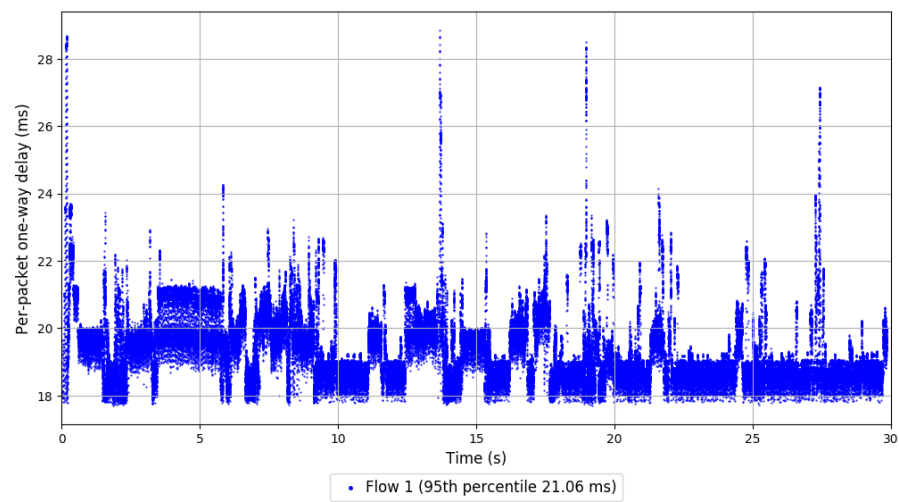
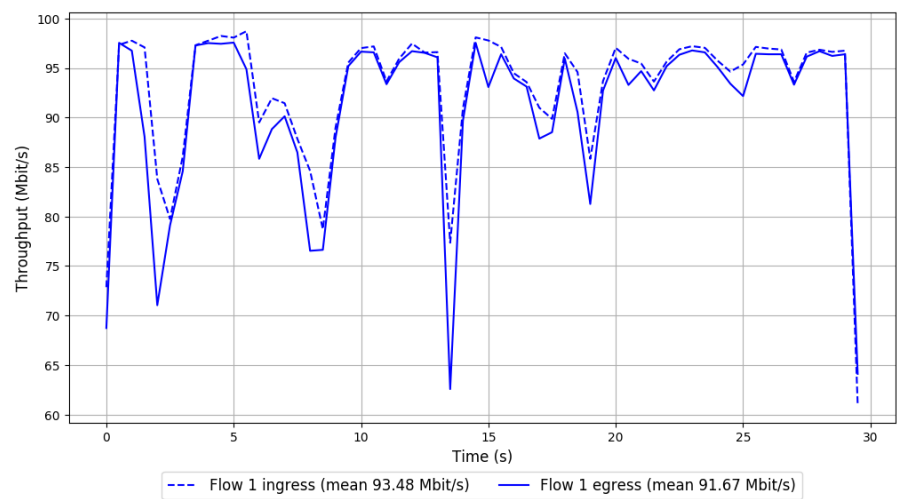
-- Flow 1:

Average throughput: 91.67 Mbit/s

95th percentile per-packet one-way delay: 21.064 ms

Loss rate: 1.94%

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

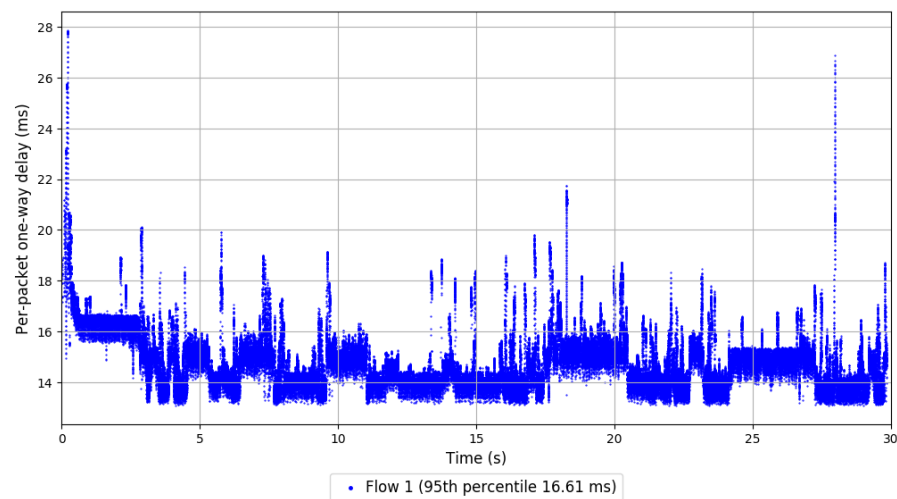
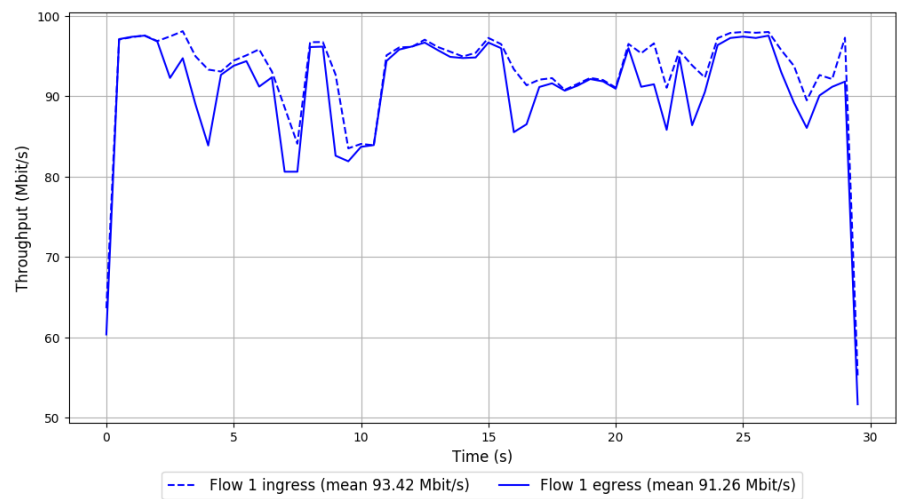


Run 3: Statistics of Indigo-1-32

Start at: 2018-04-24 09:17:10
End at: 2018-04-24 09:17:40
Local clock offset: -8.732 ms
Remote clock offset: -4.702 ms

Below is generated by plot.py at 2018-04-24 12:19:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.26 Mbit/s
95th percentile per-packet one-way delay: 16.605 ms
Loss rate: 2.33%
-- Flow 1:
Average throughput: 91.26 Mbit/s
95th percentile per-packet one-way delay: 16.605 ms
Loss rate: 2.33%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-04-24 09:36:57

End at: 2018-04-24 09:37:27

Local clock offset: -8.7 ms

Remote clock offset: -0.889 ms

Below is generated by plot.py at 2018-04-24 12:19:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.05 Mbit/s

95th percentile per-packet one-way delay: 16.149 ms

Loss rate: 3.50%

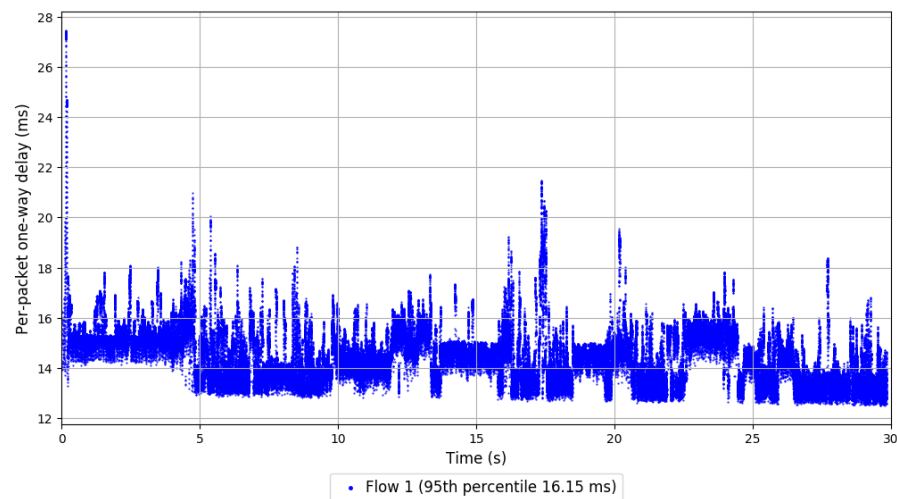
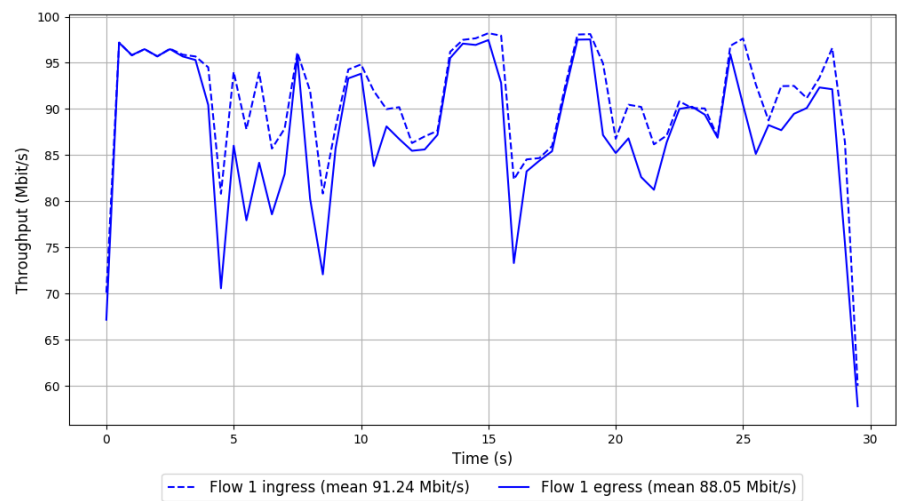
-- Flow 1:

Average throughput: 88.05 Mbit/s

95th percentile per-packet one-way delay: 16.149 ms

Loss rate: 3.50%

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

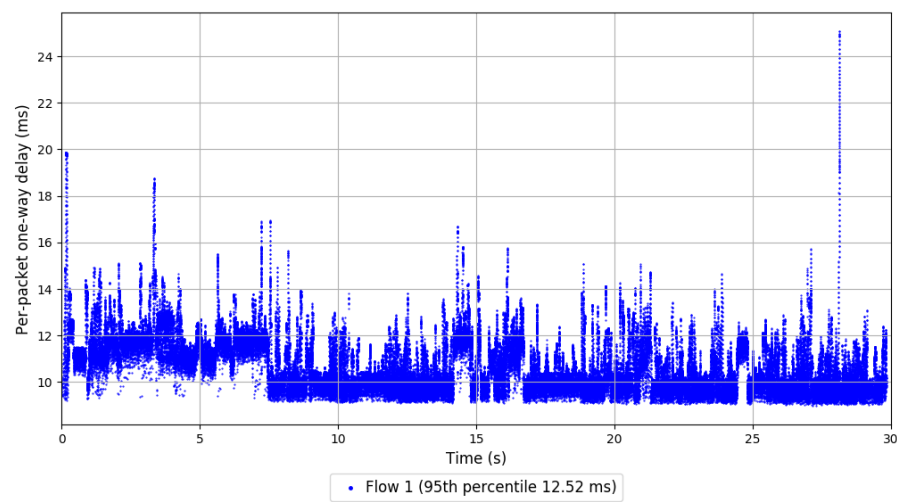
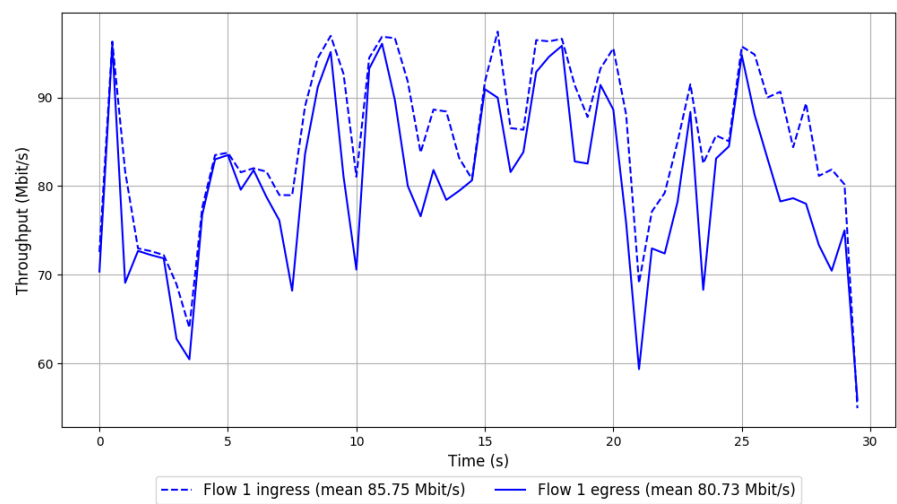


Run 5: Statistics of Indigo-1-32

Start at: 2018-04-24 09:56:27
End at: 2018-04-24 09:56:57
Local clock offset: -3.279 ms
Remote clock offset: 12.013 ms

Below is generated by plot.py at 2018-04-24 12:19:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.73 Mbit/s
95th percentile per-packet one-way delay: 12.522 ms
Loss rate: 5.86%
-- Flow 1:
Average throughput: 80.73 Mbit/s
95th percentile per-packet one-way delay: 12.522 ms
Loss rate: 5.86%

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

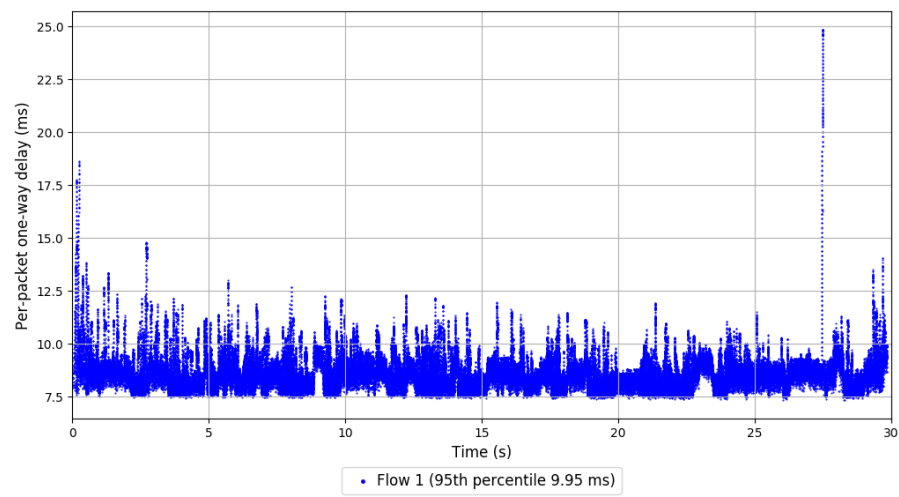
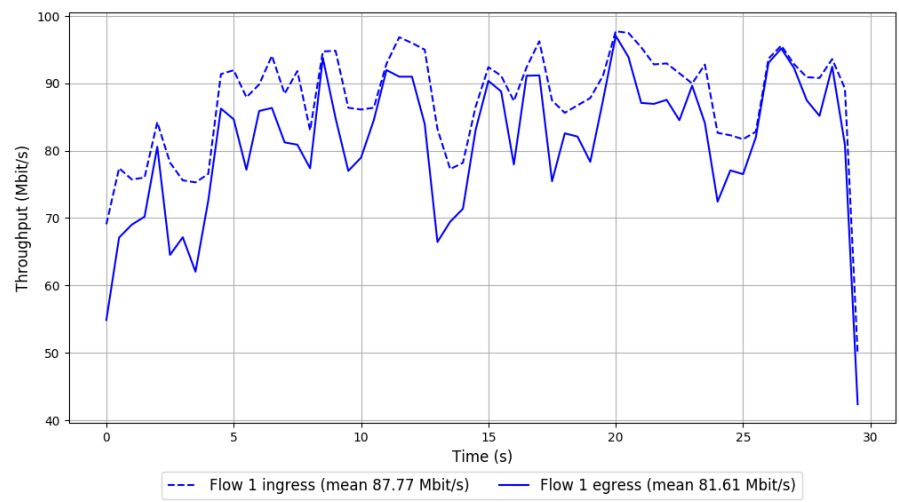


Run 6: Statistics of Indigo-1-32

Start at: 2018-04-24 10:15:51
End at: 2018-04-24 10:16:21
Local clock offset: -2.982 ms
Remote clock offset: 16.834 ms

Below is generated by plot.py at 2018-04-24 12:20:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.61 Mbit/s
95th percentile per-packet one-way delay: 9.950 ms
Loss rate: 7.01%
-- Flow 1:
Average throughput: 81.61 Mbit/s
95th percentile per-packet one-way delay: 9.950 ms
Loss rate: 7.01%

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

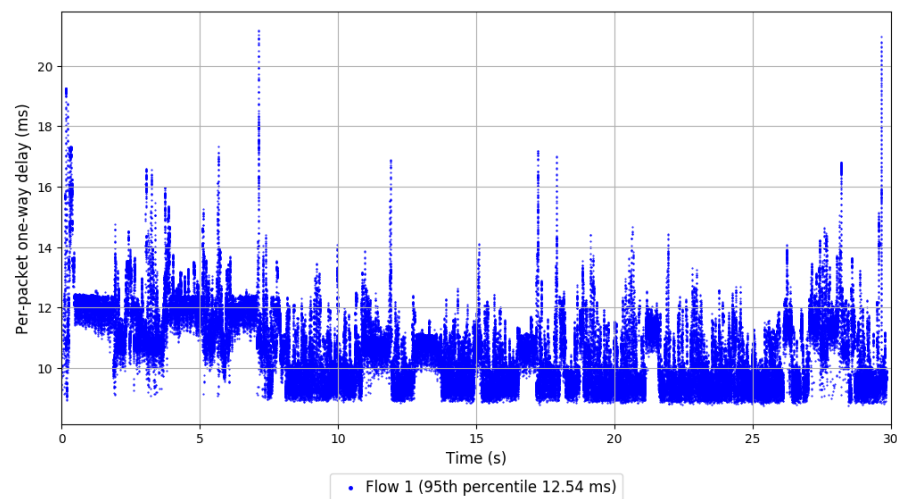
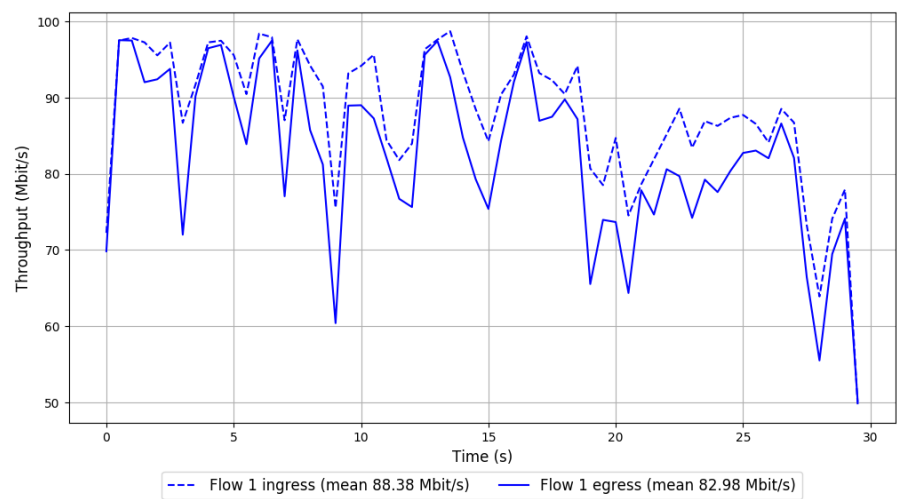


Run 7: Statistics of Indigo-1-32

Start at: 2018-04-24 10:35:27
End at: 2018-04-24 10:35:57
Local clock offset: -3.711 ms
Remote clock offset: 22.991 ms

Below is generated by plot.py at 2018-04-24 12:20:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.98 Mbit/s
95th percentile per-packet one-way delay: 12.540 ms
Loss rate: 6.11%
-- Flow 1:
Average throughput: 82.98 Mbit/s
95th percentile per-packet one-way delay: 12.540 ms
Loss rate: 6.11%

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

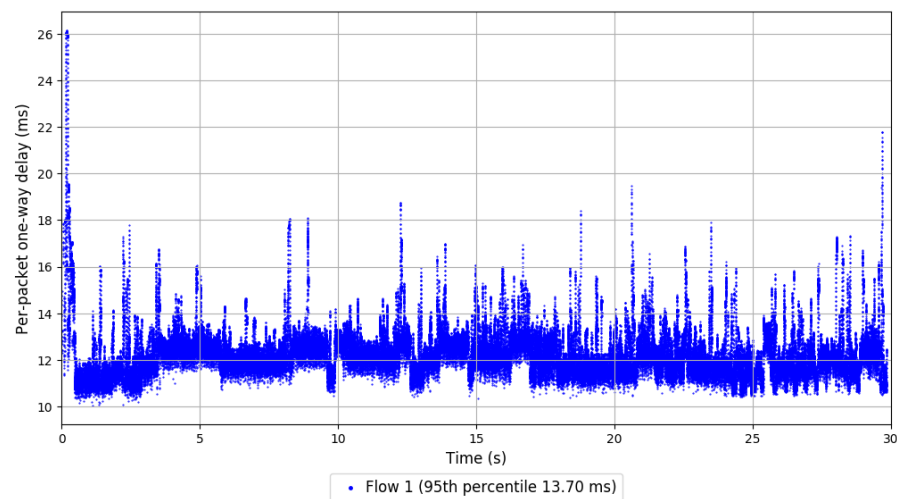
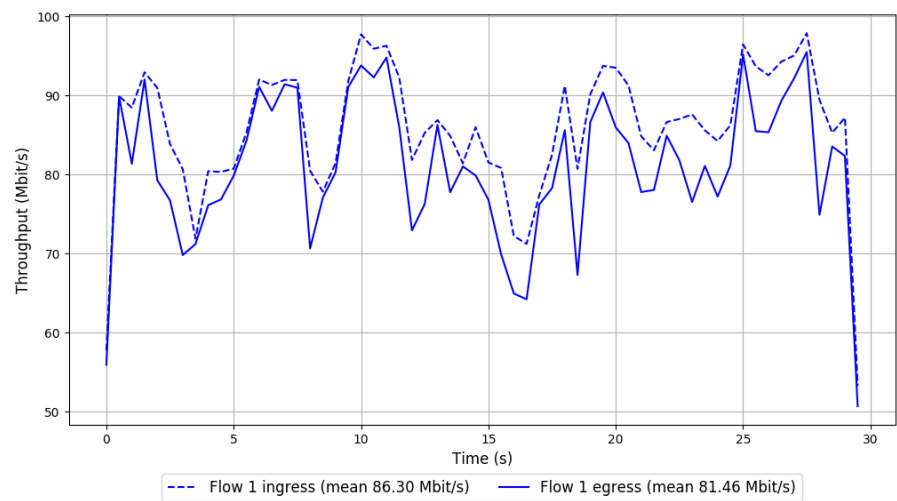


Run 8: Statistics of Indigo-1-32

Start at: 2018-04-24 10:55:00
End at: 2018-04-24 10:55:30
Local clock offset: -5.567 ms
Remote clock offset: -2.678 ms

Below is generated by plot.py at 2018-04-24 12:20:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.46 Mbit/s
95th percentile per-packet one-way delay: 13.698 ms
Loss rate: 5.61%
-- Flow 1:
Average throughput: 81.46 Mbit/s
95th percentile per-packet one-way delay: 13.698 ms
Loss rate: 5.61%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-04-24 11:14:31

End at: 2018-04-24 11:15:01

Local clock offset: -4.851 ms

Remote clock offset: -15.479 ms

Below is generated by plot.py at 2018-04-24 12:20:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.67 Mbit/s

95th percentile per-packet one-way delay: 13.750 ms

Loss rate: 5.40%

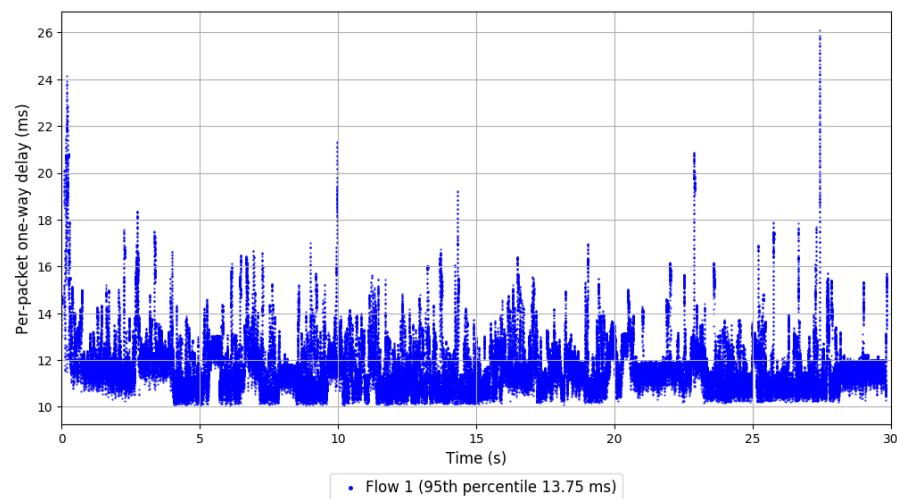
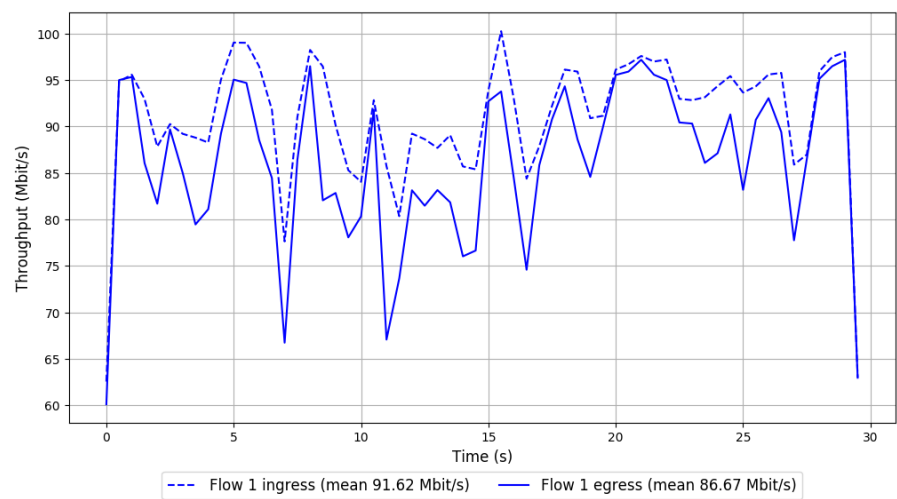
-- Flow 1:

Average throughput: 86.67 Mbit/s

95th percentile per-packet one-way delay: 13.750 ms

Loss rate: 5.40%

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

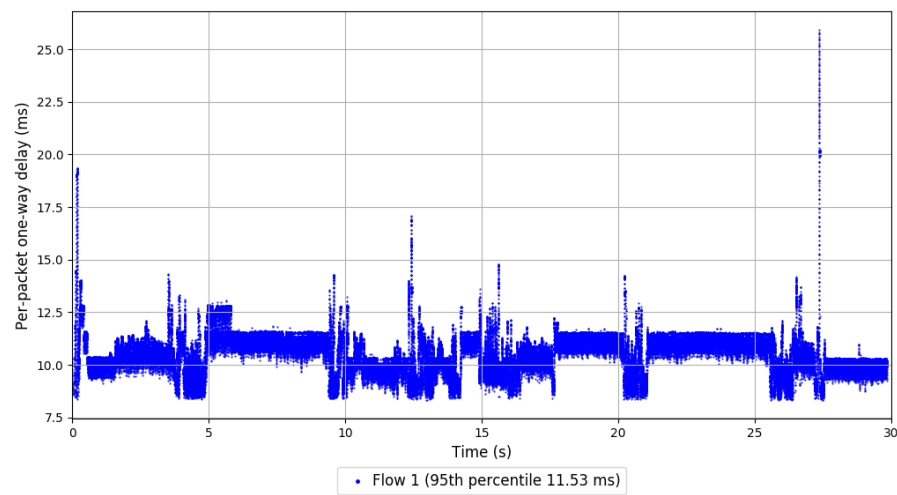
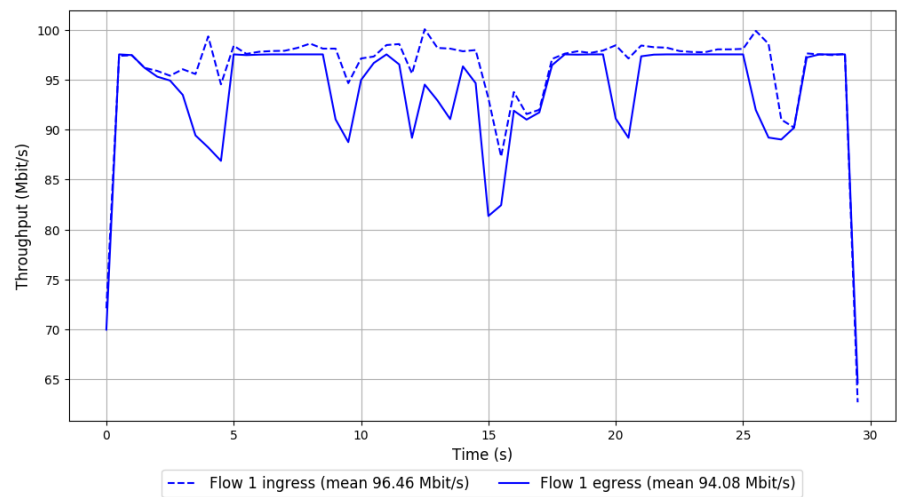


Run 10: Statistics of Indigo-1-32

Start at: 2018-04-24 11:34:13
End at: 2018-04-24 11:34:43
Local clock offset: -3.558 ms
Remote clock offset: -7.331 ms

Below is generated by plot.py at 2018-04-24 12:20:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.08 Mbit/s
95th percentile per-packet one-way delay: 11.533 ms
Loss rate: 2.46%
-- Flow 1:
Average throughput: 94.08 Mbit/s
95th percentile per-packet one-way delay: 11.533 ms
Loss rate: 2.46%

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



Run 1: Statistics of PCC-Vivace

Start at: 2018-04-24 08:32:37

End at: 2018-04-24 08:33:08

Local clock offset: -7.732 ms

Remote clock offset: 2.693 ms

Below is generated by plot.py at 2018-04-24 12:20:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.65 Mbit/s

95th percentile per-packet one-way delay: 27.871 ms

Loss rate: 2.40%

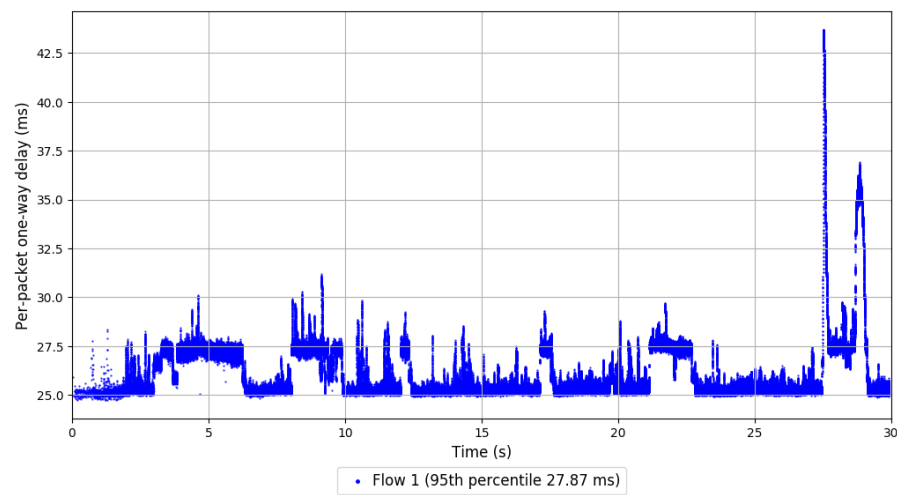
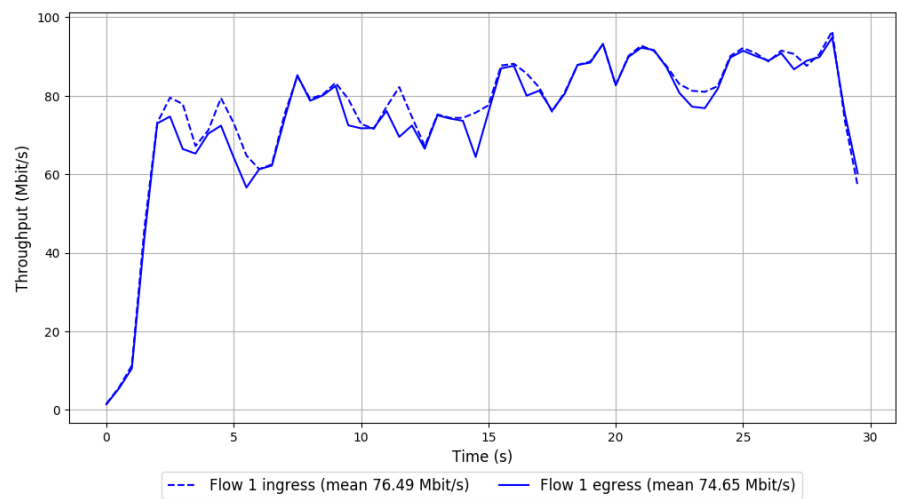
-- Flow 1:

Average throughput: 74.65 Mbit/s

95th percentile per-packet one-way delay: 27.871 ms

Loss rate: 2.40%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-04-24 08:52:05

End at: 2018-04-24 08:52:35

Local clock offset: -7.012 ms

Remote clock offset: 3.245 ms

Below is generated by plot.py at 2018-04-24 12:21:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.28 Mbit/s

95th percentile per-packet one-way delay: 27.624 ms

Loss rate: 3.21%

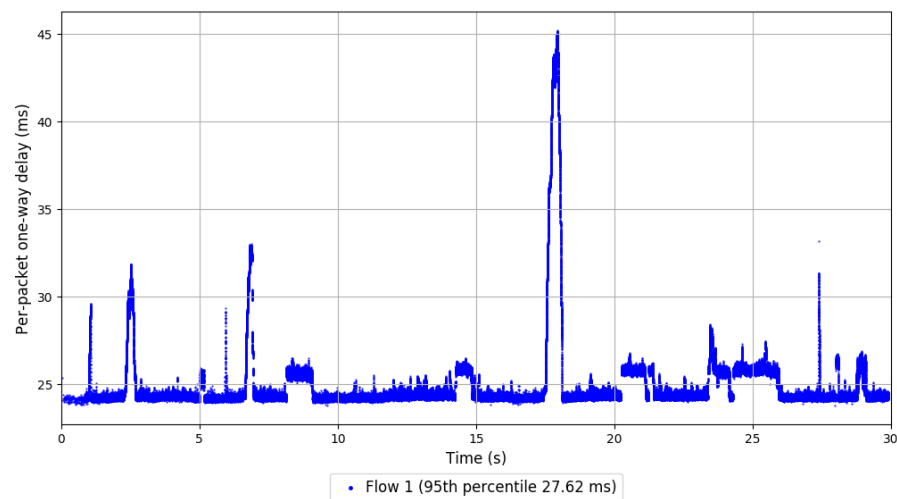
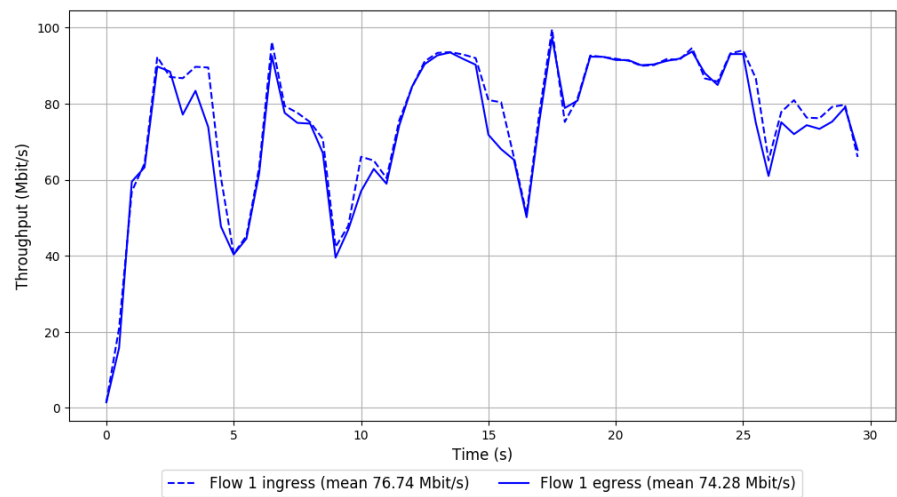
-- Flow 1:

Average throughput: 74.28 Mbit/s

95th percentile per-packet one-way delay: 27.624 ms

Loss rate: 3.21%

Run 2: Report of PCC-Vivace — Data Link

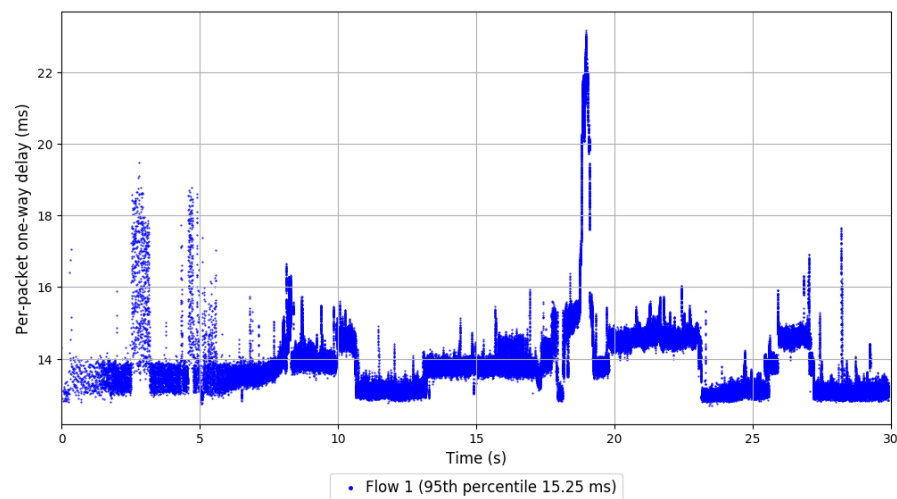
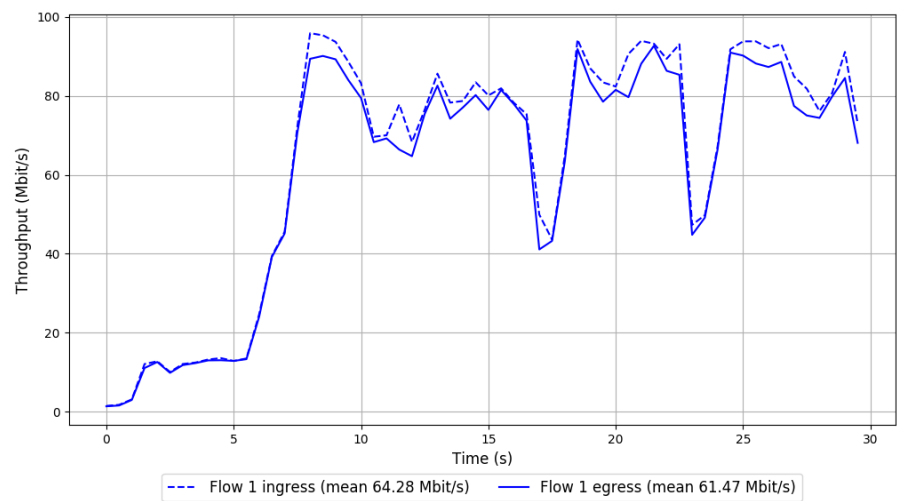


Run 3: Statistics of PCC-Vivace

Start at: 2018-04-24 09:11:27
End at: 2018-04-24 09:11:57
Local clock offset: -8.259 ms
Remote clock offset: -5.279 ms

Below is generated by plot.py at 2018-04-24 12:21:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.47 Mbit/s
95th percentile per-packet one-way delay: 15.251 ms
Loss rate: 4.38%
-- Flow 1:
Average throughput: 61.47 Mbit/s
95th percentile per-packet one-way delay: 15.251 ms
Loss rate: 4.38%

Run 3: Report of PCC-Vivace — Data Link

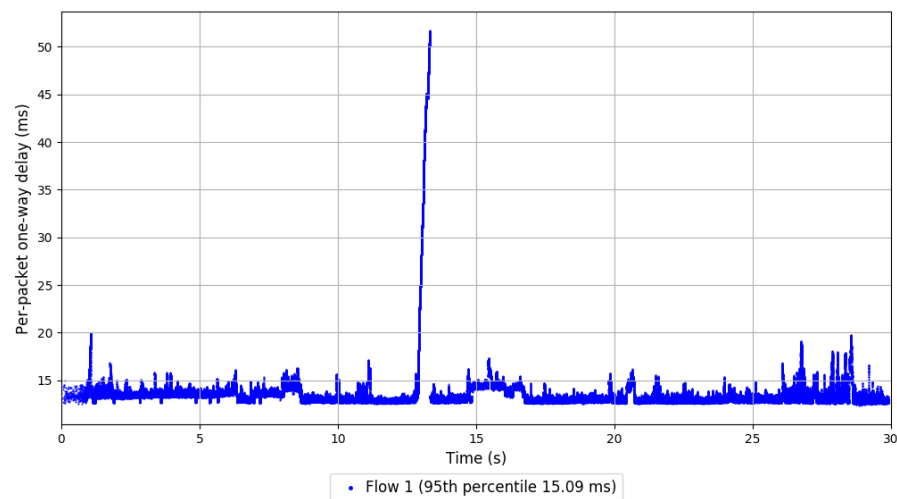
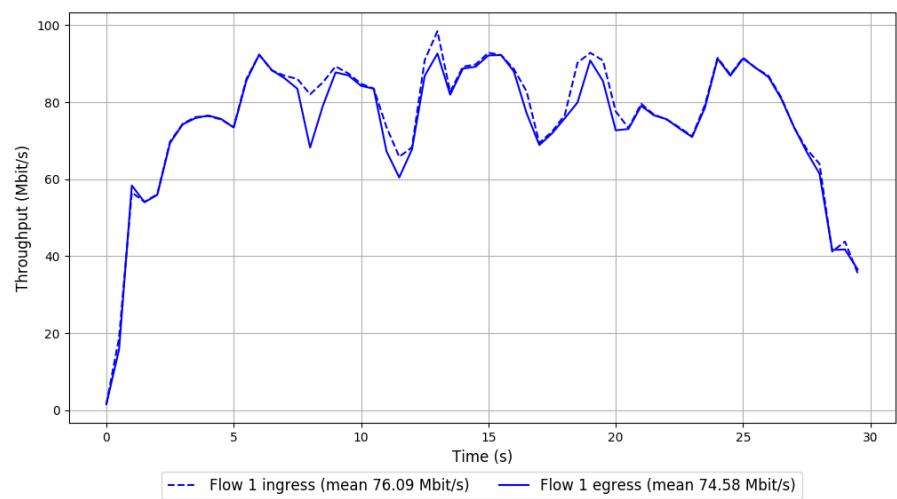


Run 4: Statistics of PCC-Vivace

Start at: 2018-04-24 09:31:09
End at: 2018-04-24 09:31:39
Local clock offset: -8.461 ms
Remote clock offset: -3.629 ms

Below is generated by plot.py at 2018-04-24 12:21:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.58 Mbit/s
95th percentile per-packet one-way delay: 15.093 ms
Loss rate: 2.00%
-- Flow 1:
Average throughput: 74.58 Mbit/s
95th percentile per-packet one-way delay: 15.093 ms
Loss rate: 2.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-04-24 09:50:47

End at: 2018-04-24 09:51:17

Local clock offset: -8.129 ms

Remote clock offset: 8.825 ms

Below is generated by plot.py at 2018-04-24 12:21:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.19 Mbit/s

95th percentile per-packet one-way delay: 22.310 ms

Loss rate: 3.60%

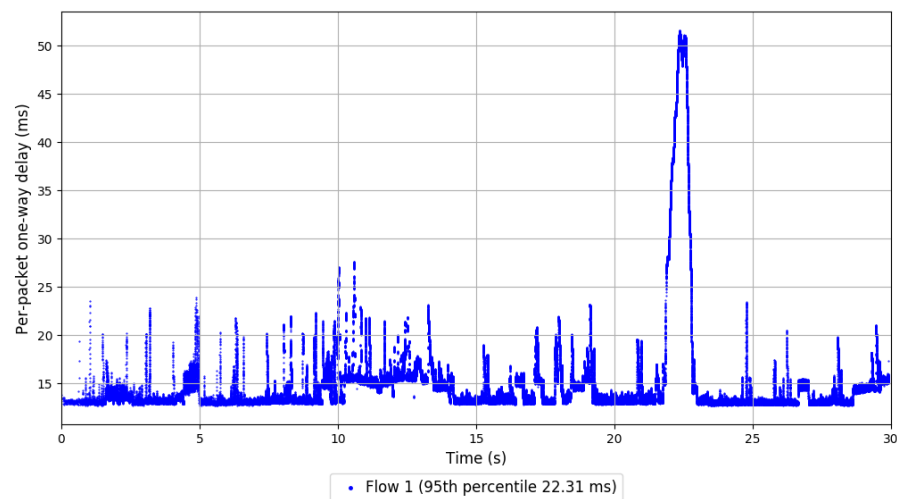
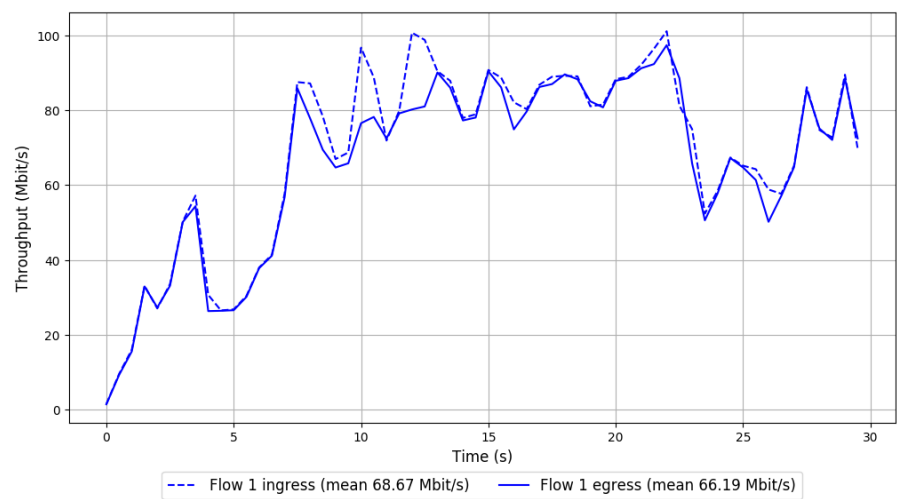
-- Flow 1:

Average throughput: 66.19 Mbit/s

95th percentile per-packet one-way delay: 22.310 ms

Loss rate: 3.60%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-04-24 10:10:14

End at: 2018-04-24 10:10:44

Local clock offset: -3.482 ms

Remote clock offset: 14.73 ms

Below is generated by plot.py at 2018-04-24 12:21:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.40 Mbit/s

95th percentile per-packet one-way delay: 13.817 ms

Loss rate: 5.54%

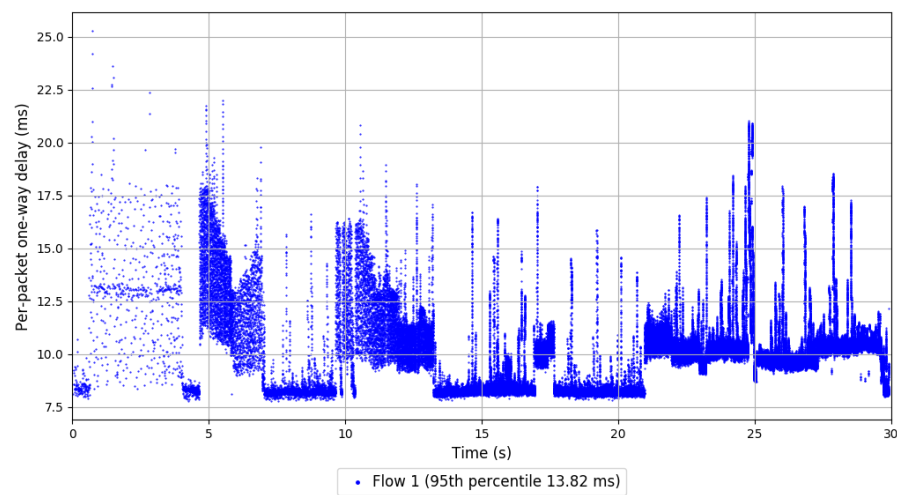
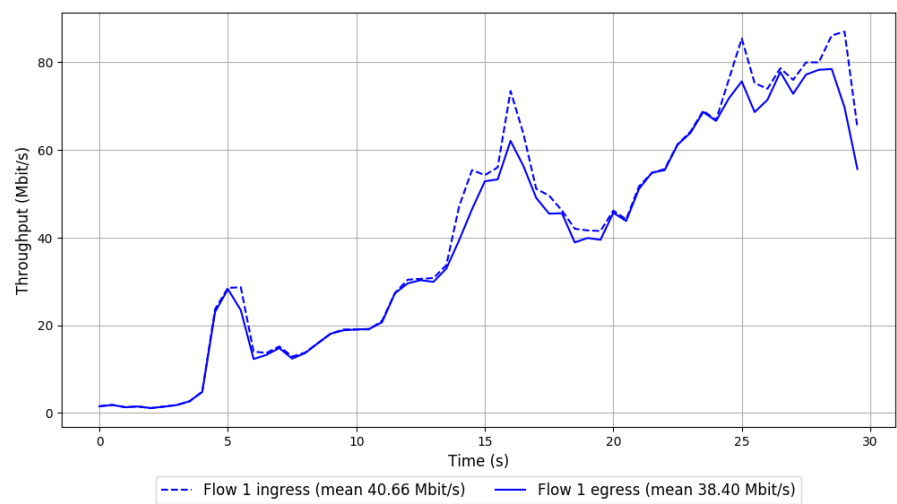
-- Flow 1:

Average throughput: 38.40 Mbit/s

95th percentile per-packet one-way delay: 13.817 ms

Loss rate: 5.54%

Run 6: Report of PCC-Vivace — Data Link

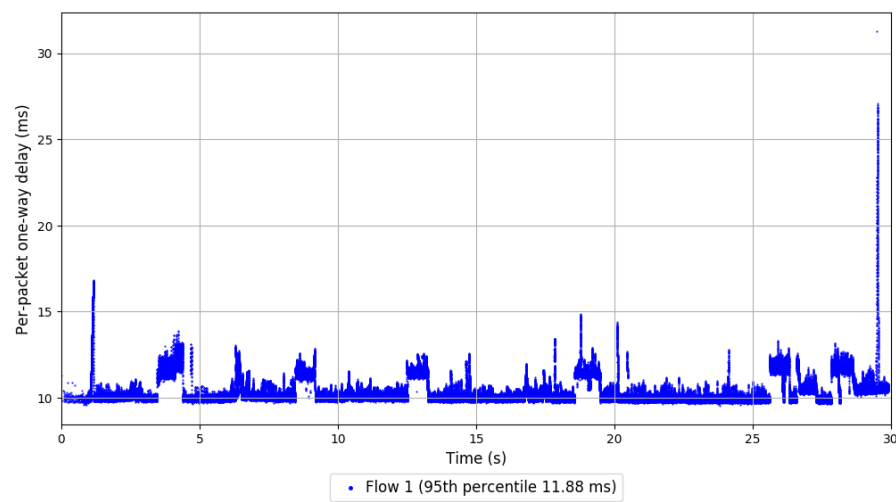
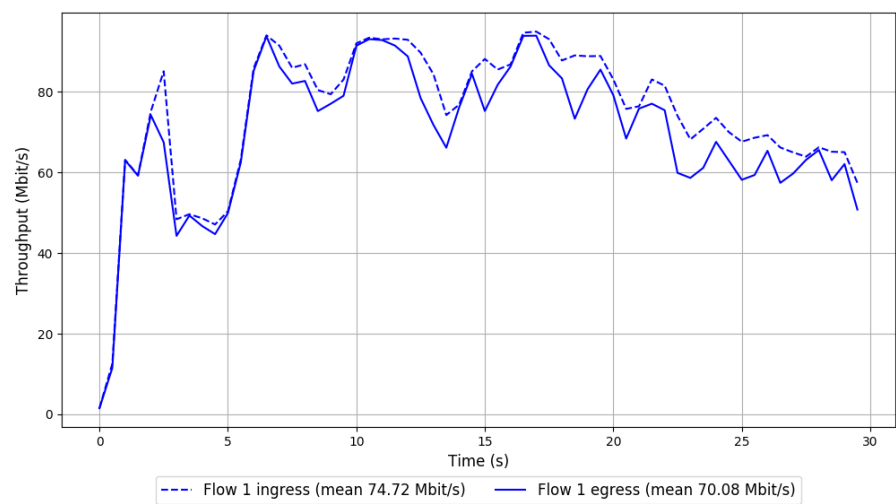


Run 7: Statistics of PCC-Vivace

Start at: 2018-04-24 10:29:39
End at: 2018-04-24 10:30:09
Local clock offset: -4.367 ms
Remote clock offset: 21.806 ms

Below is generated by plot.py at 2018-04-24 12:21:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.08 Mbit/s
95th percentile per-packet one-way delay: 11.883 ms
Loss rate: 6.22%
-- Flow 1:
Average throughput: 70.08 Mbit/s
95th percentile per-packet one-way delay: 11.883 ms
Loss rate: 6.22%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-04-24 10:49:13

End at: 2018-04-24 10:49:43

Local clock offset: -5.375 ms

Remote clock offset: 3.496 ms

Below is generated by plot.py at 2018-04-24 12:21:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.13 Mbit/s

95th percentile per-packet one-way delay: 9.047 ms

Loss rate: 1.63%

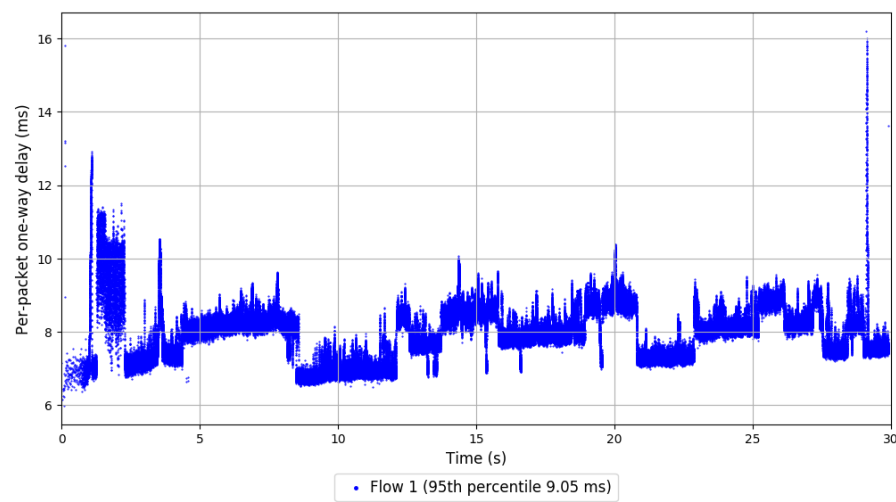
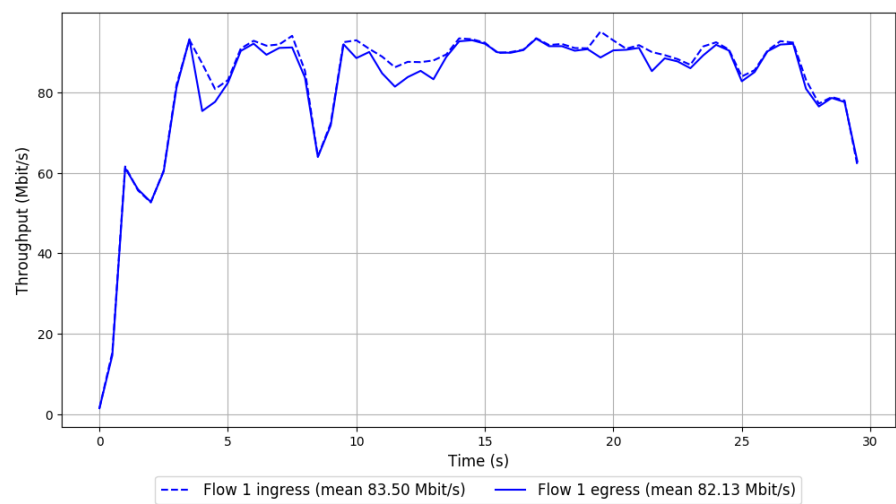
-- Flow 1:

Average throughput: 82.13 Mbit/s

95th percentile per-packet one-way delay: 9.047 ms

Loss rate: 1.63%

Run 8: Report of PCC-Vivace — Data Link

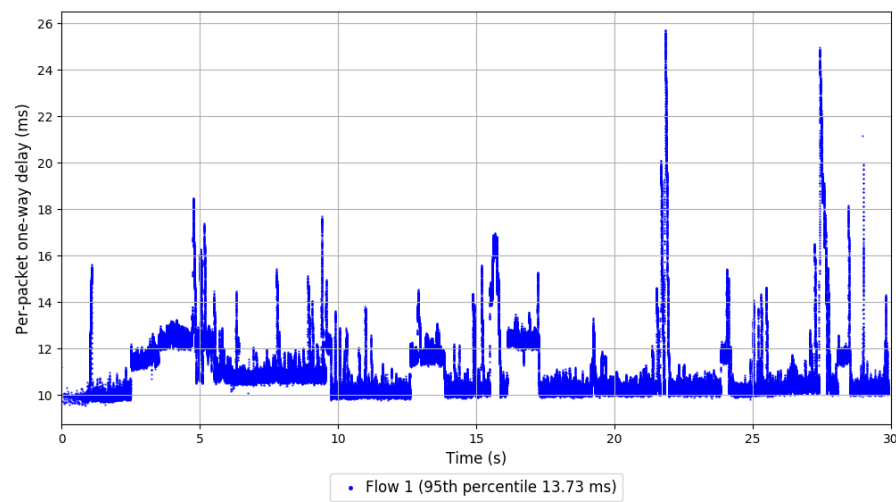
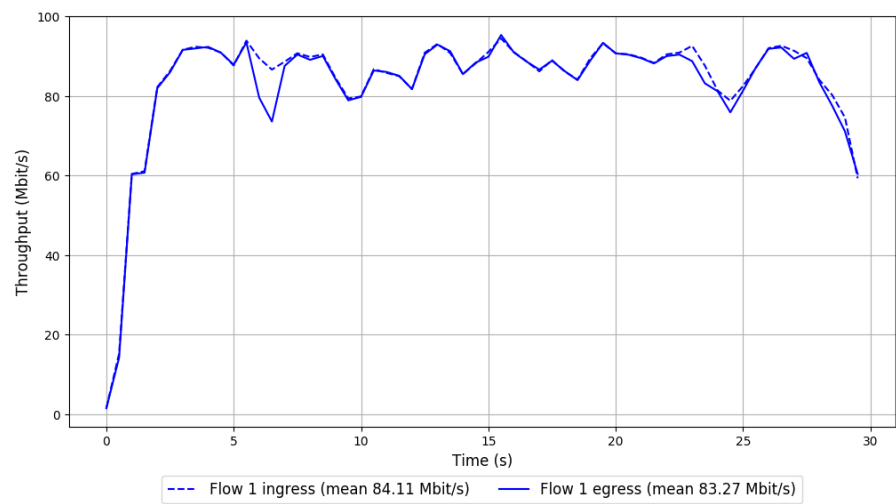


Run 9: Statistics of PCC-Vivace

Start at: 2018-04-24 11:08:46
End at: 2018-04-24 11:09:16
Local clock offset: -4.838 ms
Remote clock offset: -13.182 ms

Below is generated by plot.py at 2018-04-24 12:21:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.27 Mbit/s
95th percentile per-packet one-way delay: 13.734 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 83.27 Mbit/s
95th percentile per-packet one-way delay: 13.734 ms
Loss rate: 1.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-04-24 11:28:26

End at: 2018-04-24 11:28:56

Local clock offset: -4.523 ms

Remote clock offset: -8.023 ms

Below is generated by plot.py at 2018-04-24 12:21:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.87 Mbit/s

95th percentile per-packet one-way delay: 11.374 ms

Loss rate: 3.50%

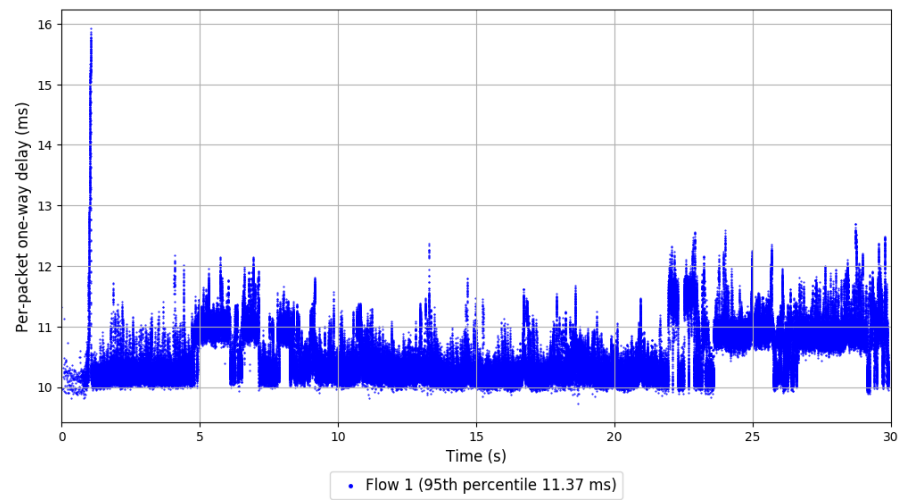
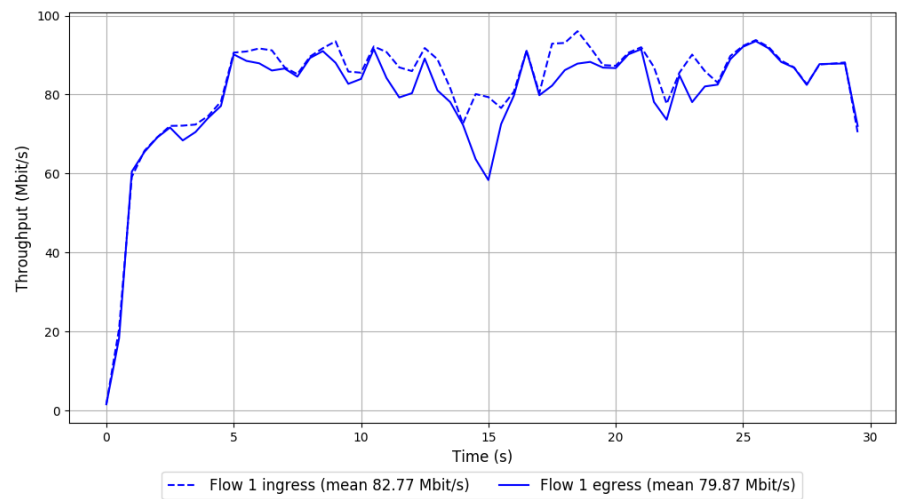
-- Flow 1:

Average throughput: 79.87 Mbit/s

95th percentile per-packet one-way delay: 11.374 ms

Loss rate: 3.50%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-04-24 08:26:52

End at: 2018-04-24 08:27:22

Local clock offset: -4.515 ms

Remote clock offset: 5.995 ms

Run 1: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC-Expr

Start at: 2018-04-24 08:46:19

End at: 2018-04-24 08:46:49

Local clock offset: -4.935 ms

Remote clock offset: 9.605 ms

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

Start at: 2018-04-24 09:05:41

End at: 2018-04-24 09:06:11

Local clock offset: -7.81 ms

Remote clock offset: -6.336 ms

Run 3: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of PCC-Expr

Start at: 2018-04-24 09:25:17

End at: 2018-04-24 09:25:47

Local clock offset: -8.126 ms

Remote clock offset: -3.803 ms

Run 4: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of PCC-Expr

Start at: 2018-04-24 09:44:56

End at: 2018-04-24 09:45:26

Local clock offset: -8.46 ms

Remote clock offset: 5.574 ms

Run 5: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of PCC-Expr

Start at: 2018-04-24 10:04:25

End at: 2018-04-24 10:04:55

Local clock offset: -3.52 ms

Remote clock offset: 13.835 ms

Run 6: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of PCC-Expr

Start at: 2018-04-24 10:23:54

End at: 2018-04-24 10:24:24

Local clock offset: -4.291 ms

Remote clock offset: 19.37 ms

Run 7: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-04-24 10:43:22

End at: 2018-04-24 10:43:52

Local clock offset: -5.675 ms

Remote clock offset: 34.562 ms

Run 8: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-04-24 11:03:00

End at: 2018-04-24 11:03:30

Local clock offset: -6.351 ms

Remote clock offset: -9.984 ms

Run 9: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of PCC-Expr

Start at: 2018-04-24 11:22:34

End at: 2018-04-24 11:23:04

Local clock offset: -5.54 ms

Remote clock offset: -11.111 ms

Run 10: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing