

Pantheon Report

Generated at 2018-04-24 13:36:06 (UTC).

Data path: AWS California 2 Ethernet (*local*) → Mexico 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).

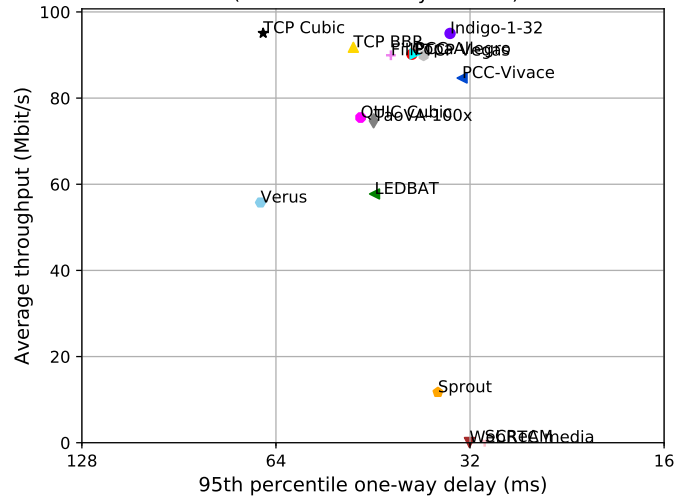
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

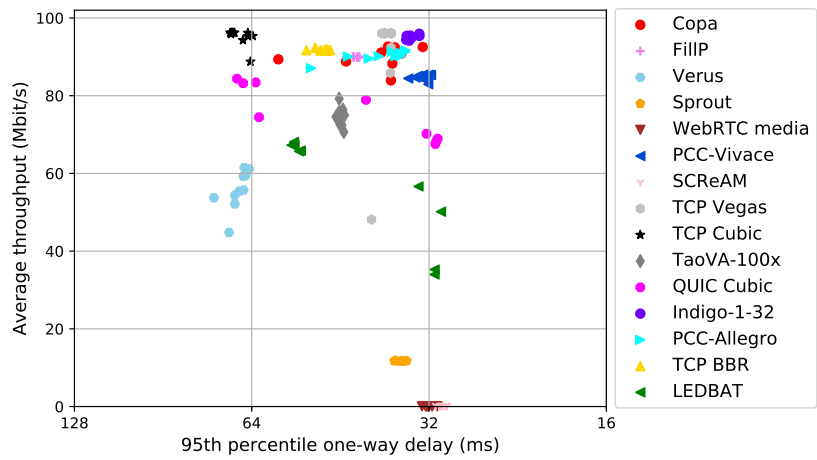
Git summary:

```
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 @ 2601c92e4aa9d58d38dc4dfe0ecd9c077e64d
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 California 2 Ethernet to Mexico Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from AWS California 2 Ethernet to Mexico Ethernet, 10 runs of 30s each per scheme



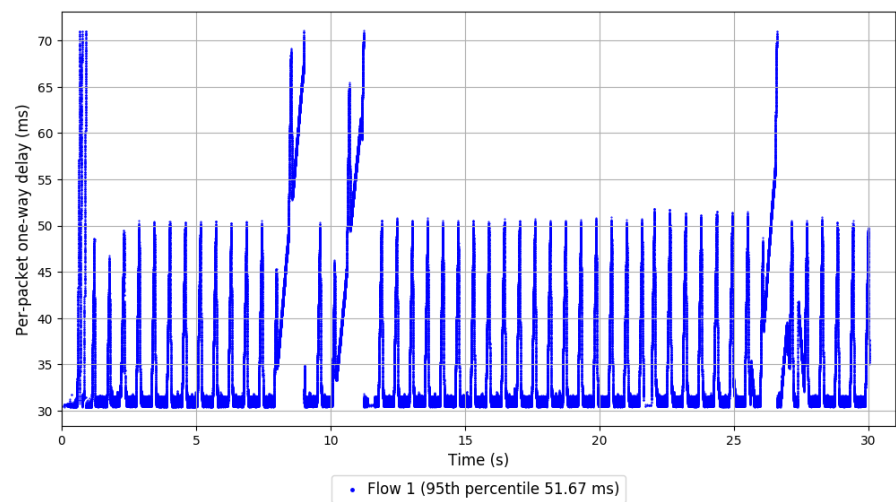
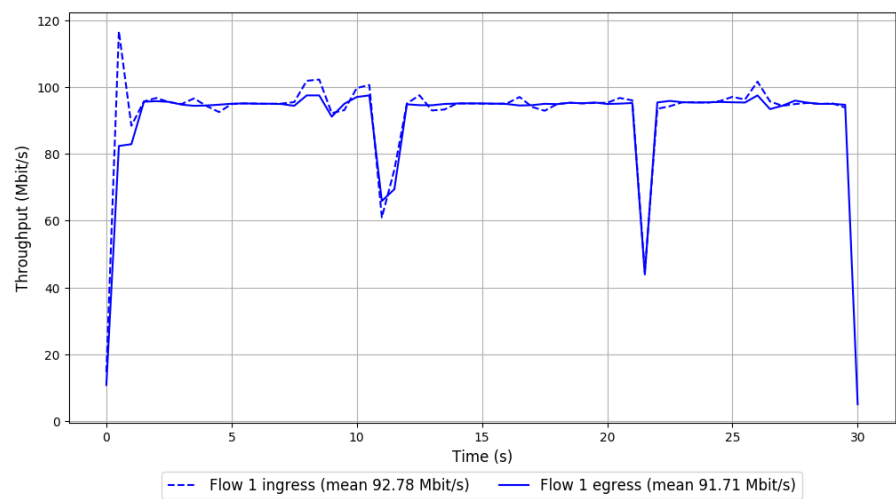
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	91.80	48.54	0.79
TCP Cubic	10	95.07	66.99	0.42
LEDBAT	10	57.75	45.01	0.02
PCC-Allegro	10	90.24	38.94	0.77
QUIC Cubic	9	75.49	47.30	0.43
SCReAM	10	0.21	30.37	0.00
WebRTC media	10	0.06	32.07	0.00
Sprout	10	11.72	35.89	0.01
TaoVA-100x	10	74.72	45.16	0.05
TCP Vegas	10	89.88	37.77	0.25
Verus	10	55.77	67.63	40.04
Copa	10	90.19	39.38	5.22
FillP	10	89.94	42.45	1.34
Indigo-1-32	10	95.01	34.37	0.05
PCC-Vivace	10	84.66	32.92	0.01
PCC-Expr	0	N/A	N/A	N/A

Run 1: Statistics of TCP BBR

Start at: 2018-04-24 09:08:41
End at: 2018-04-24 09:09:11
Local clock offset: -0.404 ms
Remote clock offset: -2.387 ms

Below is generated by plot.py at 2018-04-24 13:14:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.71 Mbit/s
95th percentile per-packet one-way delay: 51.675 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 91.71 Mbit/s
95th percentile per-packet one-way delay: 51.675 ms
Loss rate: 1.14%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-04-24 09:32:01

End at: 2018-04-24 09:32:31

Local clock offset: -0.39 ms

Remote clock offset: -2.02 ms

Below is generated by plot.py at 2018-04-24 13:14:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.59 Mbit/s

95th percentile per-packet one-way delay: 47.773 ms

Loss rate: 0.64%

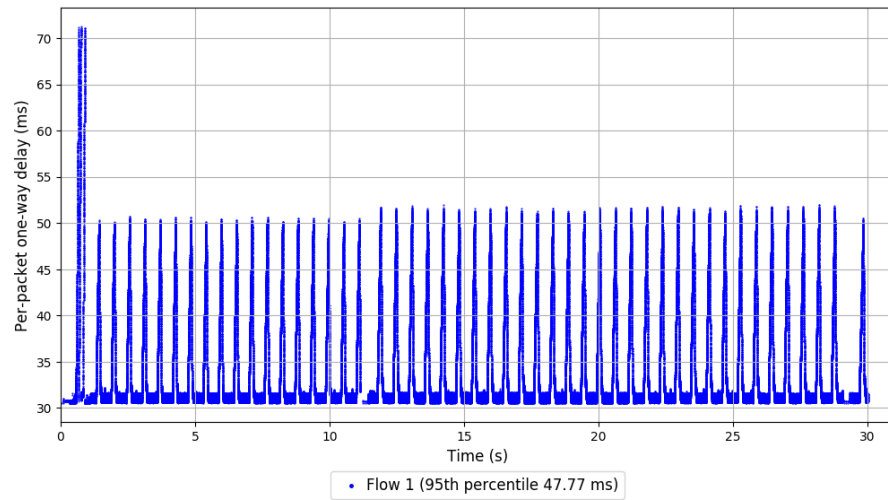
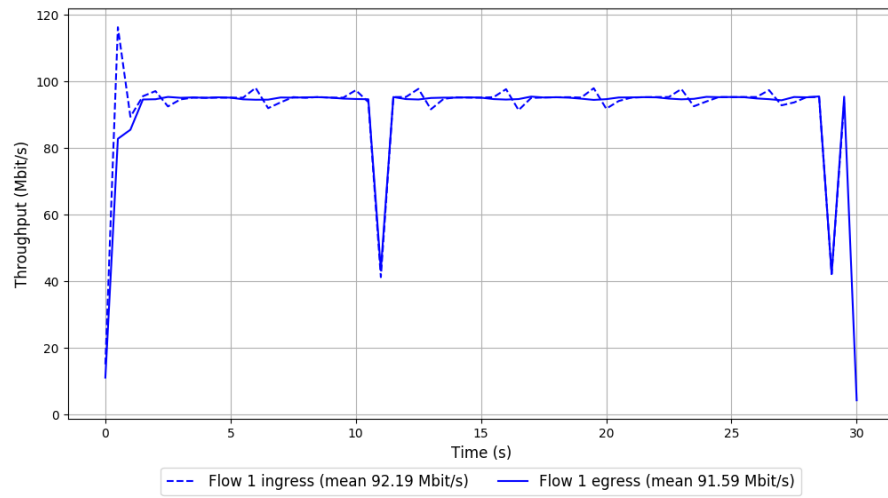
-- Flow 1:

Average throughput: 91.59 Mbit/s

95th percentile per-packet one-way delay: 47.773 ms

Loss rate: 0.64%

Run 2: Report of TCP BBR — Data Link

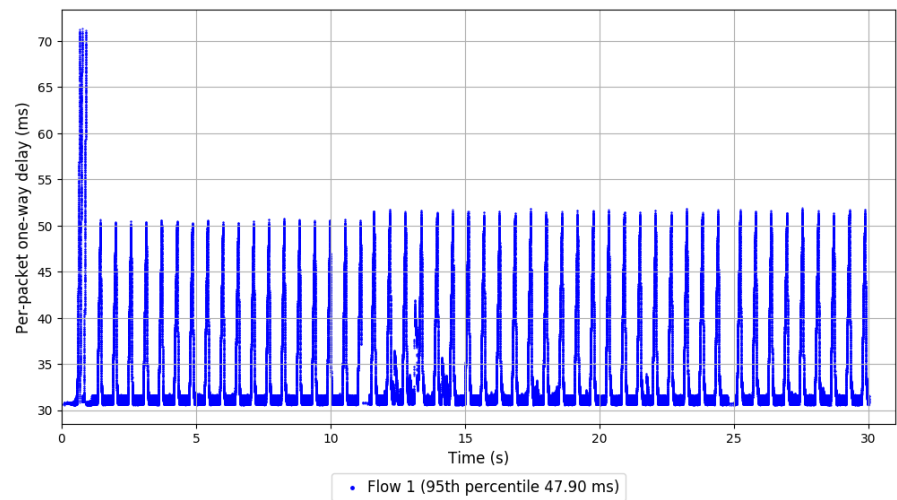
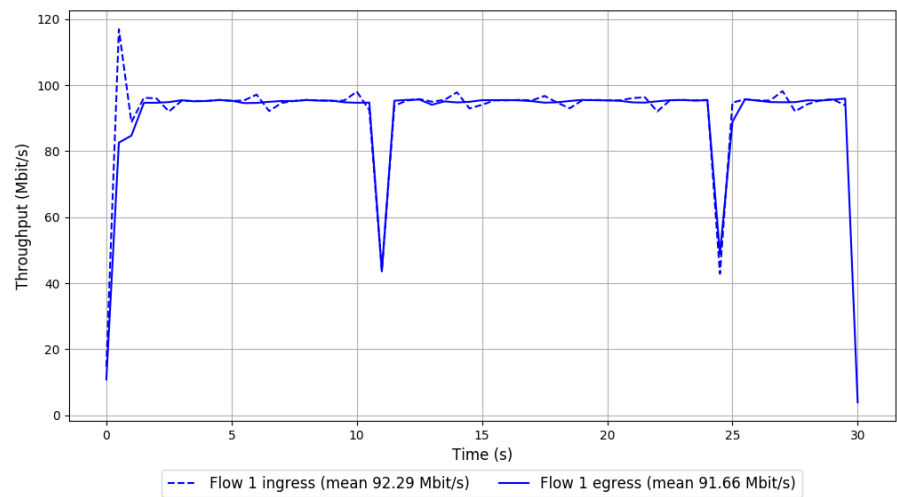


Run 3: Statistics of TCP BBR

Start at: 2018-04-24 09:54:48
End at: 2018-04-24 09:55:18
Local clock offset: -0.881 ms
Remote clock offset: -1.639 ms

Below is generated by plot.py at 2018-04-24 13:14:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.66 Mbit/s
95th percentile per-packet one-way delay: 47.903 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 91.66 Mbit/s
95th percentile per-packet one-way delay: 47.903 ms
Loss rate: 0.68%

Run 3: Report of TCP BBR — Data Link

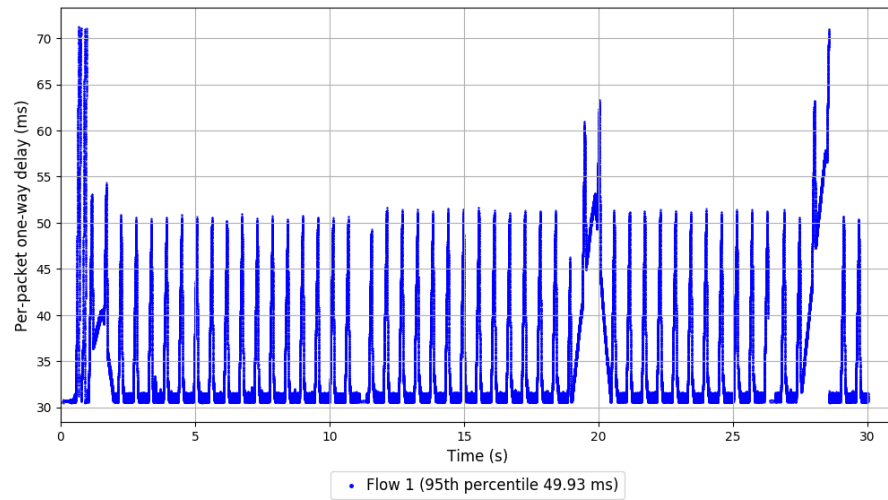
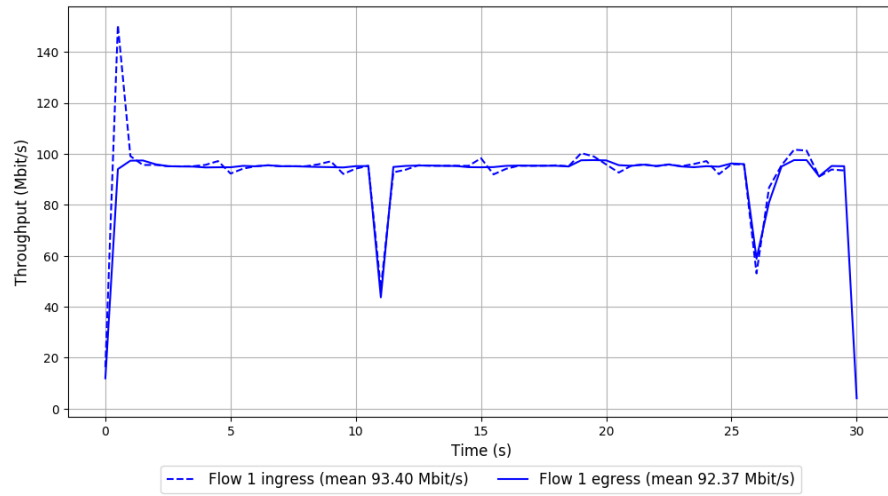


Run 4: Statistics of TCP BBR

Start at: 2018-04-24 10:17:42
End at: 2018-04-24 10:18:12
Local clock offset: -0.801 ms
Remote clock offset: -1.683 ms

Below is generated by plot.py at 2018-04-24 13:14:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.37 Mbit/s
95th percentile per-packet one-way delay: 49.930 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 92.37 Mbit/s
95th percentile per-packet one-way delay: 49.930 ms
Loss rate: 1.10%

Run 4: Report of TCP BBR — Data Link

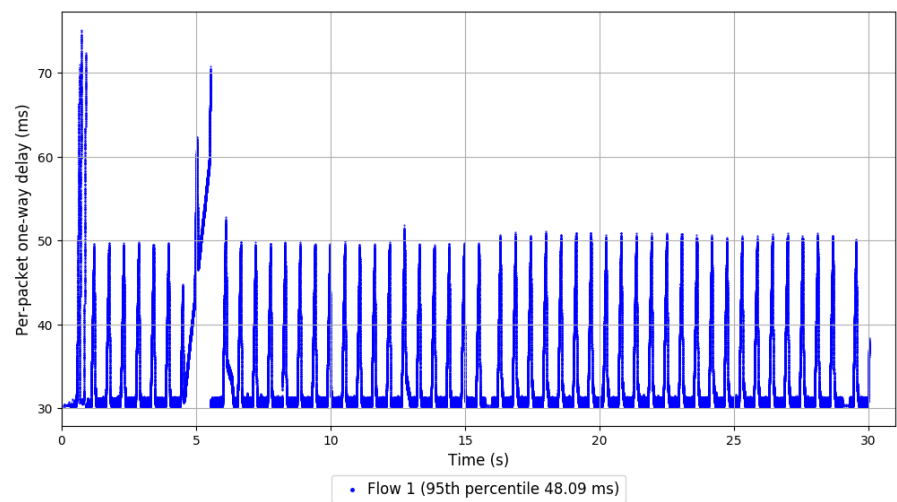
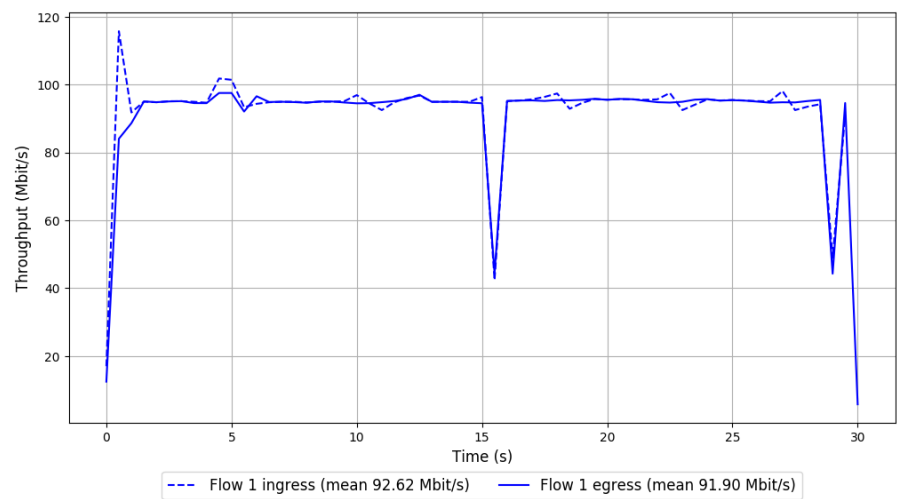


Run 5: Statistics of TCP BBR

Start at: 2018-04-24 10:41:18
End at: 2018-04-24 10:41:48
Local clock offset: -0.513 ms
Remote clock offset: -1.358 ms

Below is generated by plot.py at 2018-04-24 13:14:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.90 Mbit/s
95th percentile per-packet one-way delay: 48.094 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 91.90 Mbit/s
95th percentile per-packet one-way delay: 48.094 ms
Loss rate: 0.75%

Run 5: Report of TCP BBR — Data Link

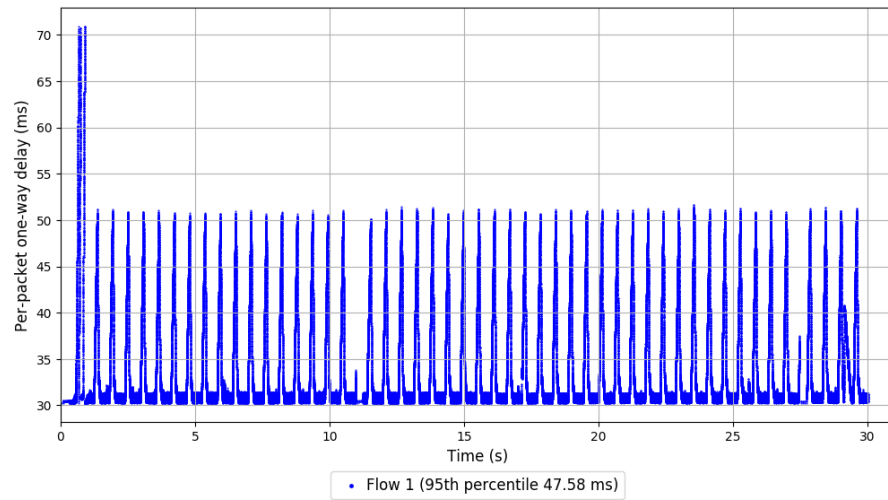
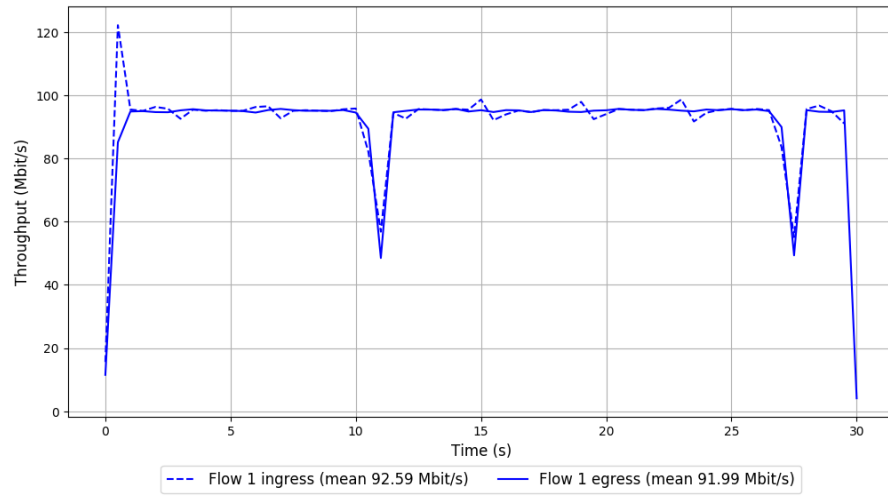


Run 6: Statistics of TCP BBR

Start at: 2018-04-24 11:04:20
End at: 2018-04-24 11:04:50
Local clock offset: -0.533 ms
Remote clock offset: -0.781 ms

Below is generated by plot.py at 2018-04-24 13:14:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.99 Mbit/s
95th percentile per-packet one-way delay: 47.575 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 91.99 Mbit/s
95th percentile per-packet one-way delay: 47.575 ms
Loss rate: 0.65%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

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

End at: 2018-04-24 11:27:34

Local clock offset: -0.625 ms

Remote clock offset: -3.13 ms

Below is generated by plot.py at 2018-04-24 13:14:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.67 Mbit/s

95th percentile per-packet one-way delay: 48.992 ms

Loss rate: 0.71%

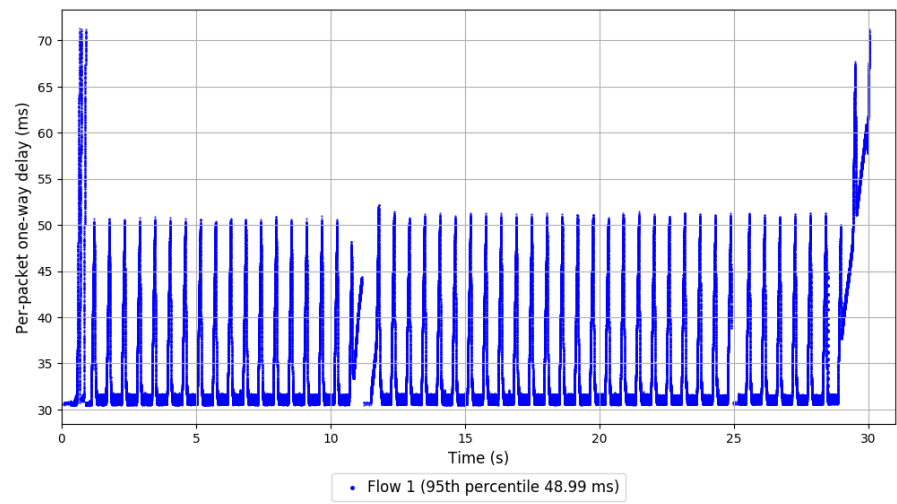
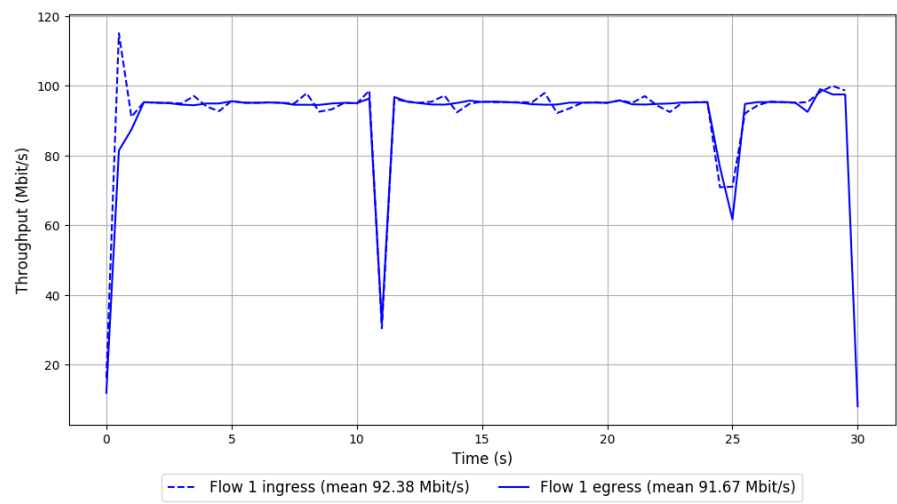
-- Flow 1:

Average throughput: 91.67 Mbit/s

95th percentile per-packet one-way delay: 48.992 ms

Loss rate: 0.71%

Run 7: Report of TCP BBR — Data Link

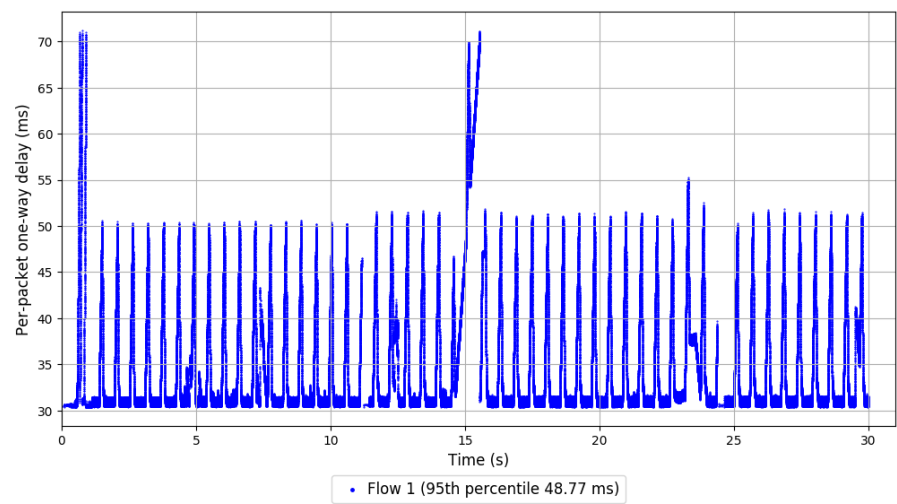
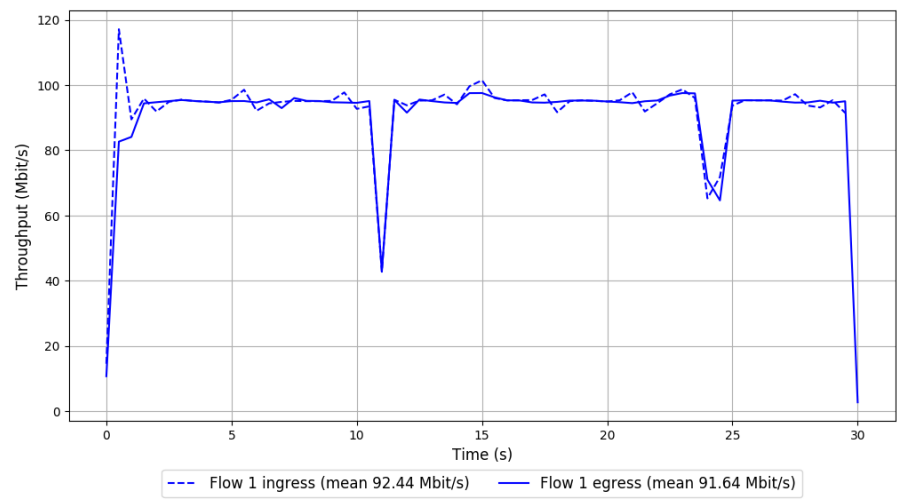


Run 8: Statistics of TCP BBR

Start at: 2018-04-24 11:49:56
End at: 2018-04-24 11:50:26
Local clock offset: -0.525 ms
Remote clock offset: -3.741 ms

Below is generated by plot.py at 2018-04-24 13:14:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.64 Mbit/s
95th percentile per-packet one-way delay: 48.769 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 91.64 Mbit/s
95th percentile per-packet one-way delay: 48.769 ms
Loss rate: 0.86%

Run 8: Report of TCP BBR — Data Link

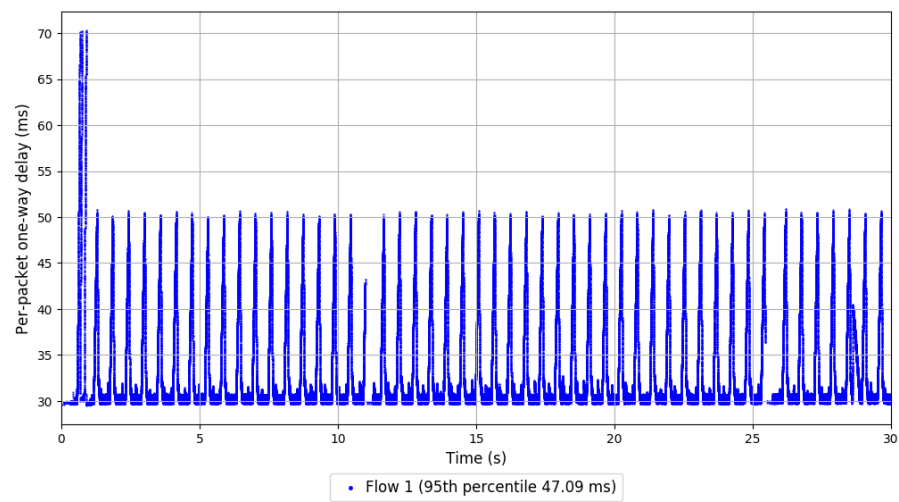
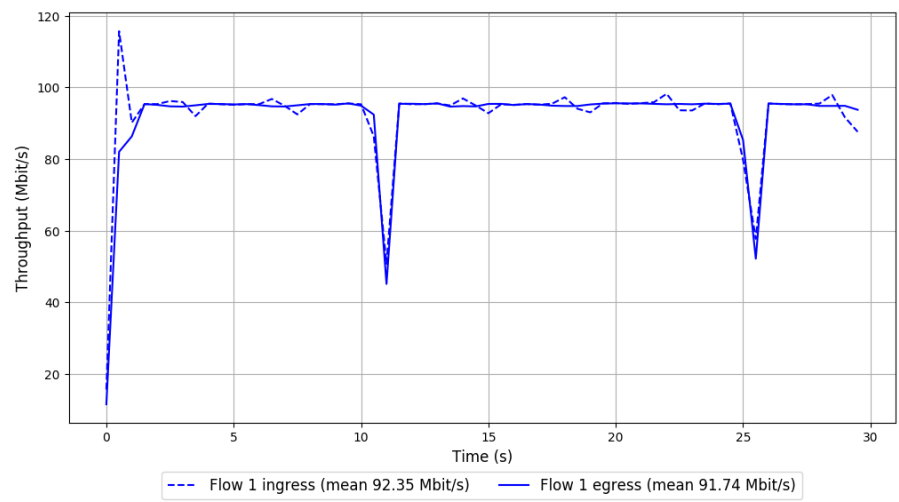


Run 9: Statistics of TCP BBR

Start at: 2018-04-24 12:12:39
End at: 2018-04-24 12:13:09
Local clock offset: -0.43 ms
Remote clock offset: -3.766 ms

Below is generated by plot.py at 2018-04-24 13:15:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.74 Mbit/s
95th percentile per-packet one-way delay: 47.086 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 91.74 Mbit/s
95th percentile per-packet one-way delay: 47.086 ms
Loss rate: 0.65%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-04-24 12:35:54

End at: 2018-04-24 12:36:24

Local clock offset: -0.387 ms

Remote clock offset: -2.351 ms

Below is generated by plot.py at 2018-04-24 13:15:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.70 Mbit/s

95th percentile per-packet one-way delay: 47.617 ms

Loss rate: 0.68%

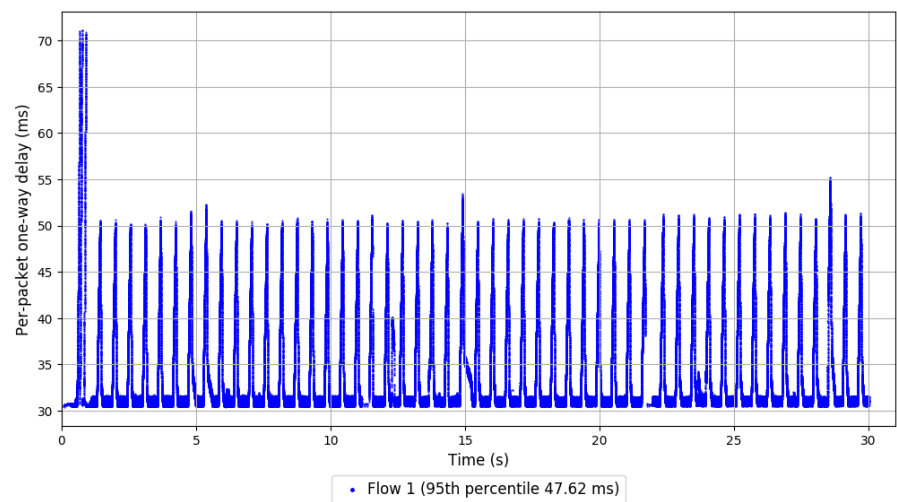
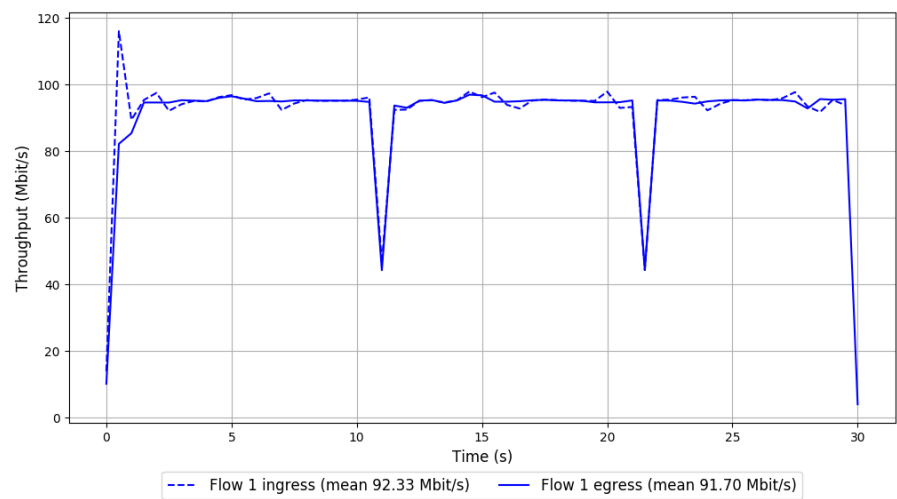
-- Flow 1:

Average throughput: 91.70 Mbit/s

95th percentile per-packet one-way delay: 47.617 ms

Loss rate: 0.68%

Run 10: Report of TCP BBR — Data Link

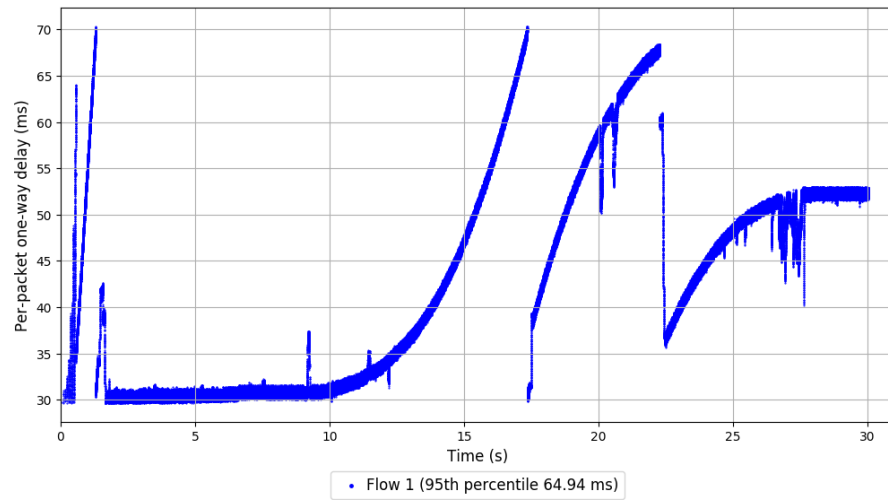
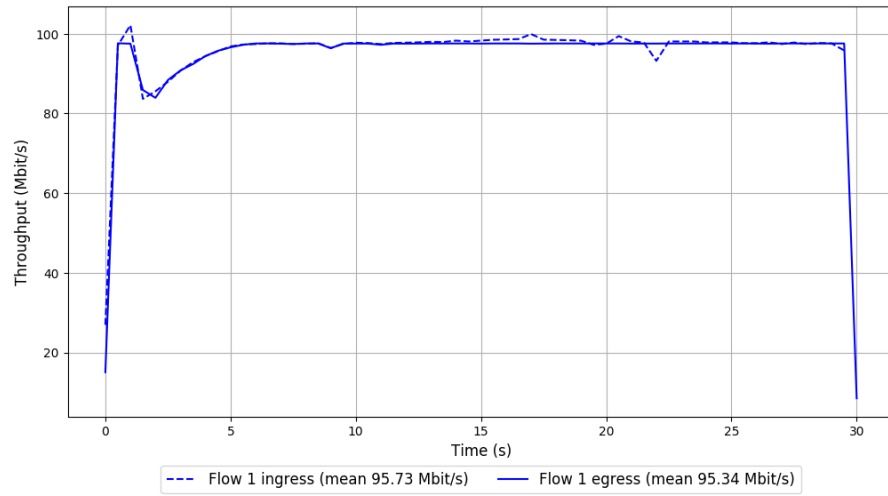


Run 1: Statistics of TCP Cubic

Start at: 2018-04-24 09:03:03
End at: 2018-04-24 09:03:33
Local clock offset: -0.589 ms
Remote clock offset: -2.361 ms

Below is generated by plot.py at 2018-04-24 13:15:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.34 Mbit/s
95th percentile per-packet one-way delay: 64.943 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 95.34 Mbit/s
95th percentile per-packet one-way delay: 64.943 ms
Loss rate: 0.33%

Run 1: Report of TCP Cubic — Data Link

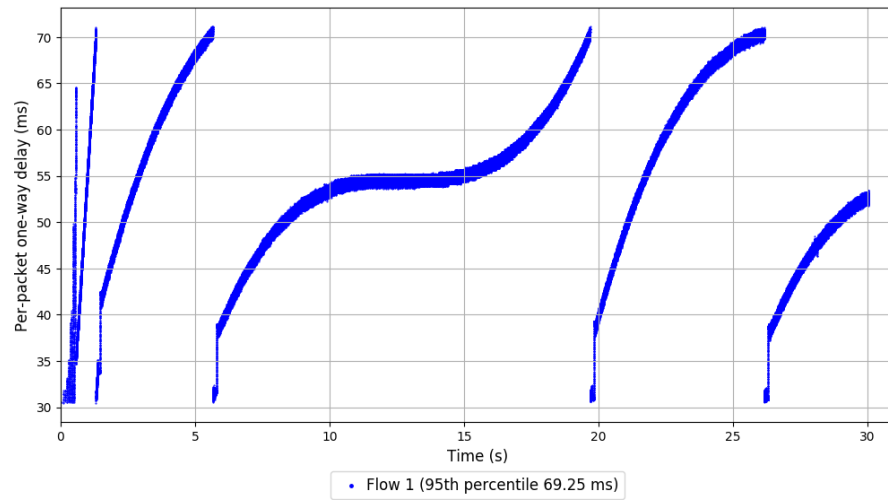
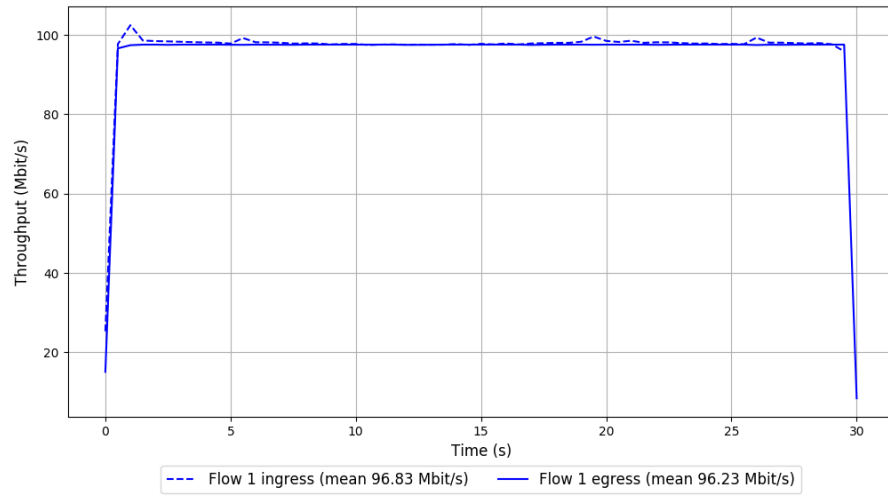


Run 2: Statistics of TCP Cubic

Start at: 2018-04-24 09:26:33
End at: 2018-04-24 09:27:03
Local clock offset: -0.362 ms
Remote clock offset: -2.191 ms

Below is generated by plot.py at 2018-04-24 13:15:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 69.249 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 69.249 ms
Loss rate: 0.54%

Run 2: Report of TCP Cubic — Data Link

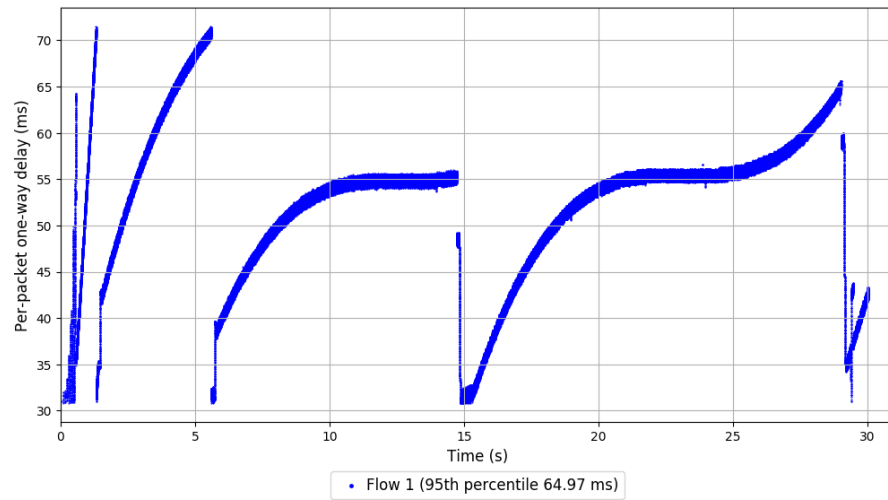
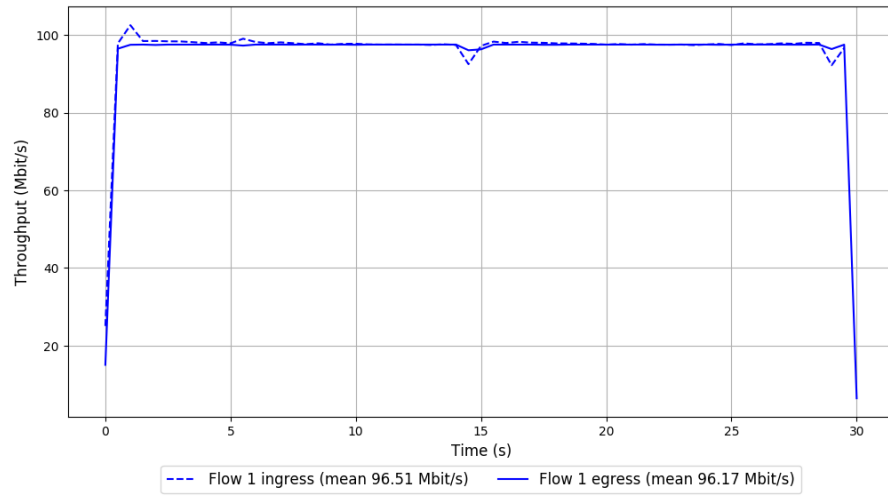


Run 3: Statistics of TCP Cubic

Start at: 2018-04-24 09:49:27
End at: 2018-04-24 09:49:57
Local clock offset: -0.685 ms
Remote clock offset: -1.356 ms

Below is generated by plot.py at 2018-04-24 13:15:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.17 Mbit/s
95th percentile per-packet one-way delay: 64.971 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 96.17 Mbit/s
95th percentile per-packet one-way delay: 64.971 ms
Loss rate: 0.32%

Run 3: Report of TCP Cubic — Data Link

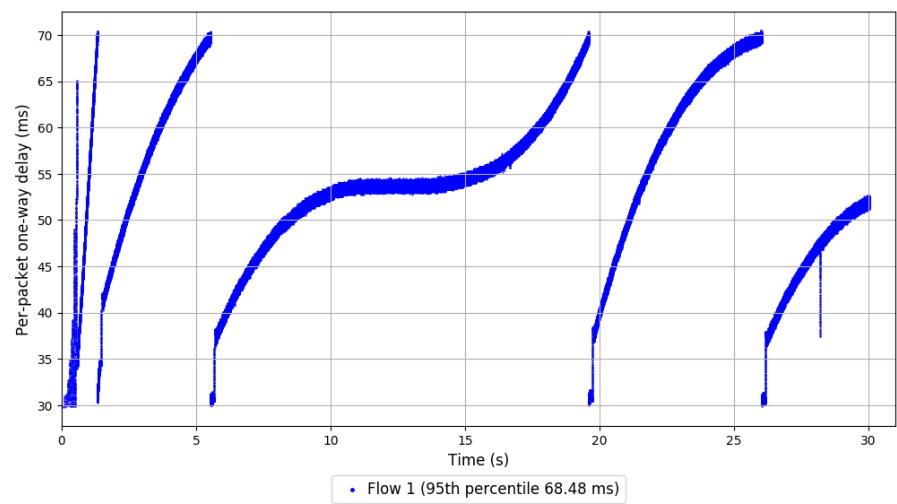
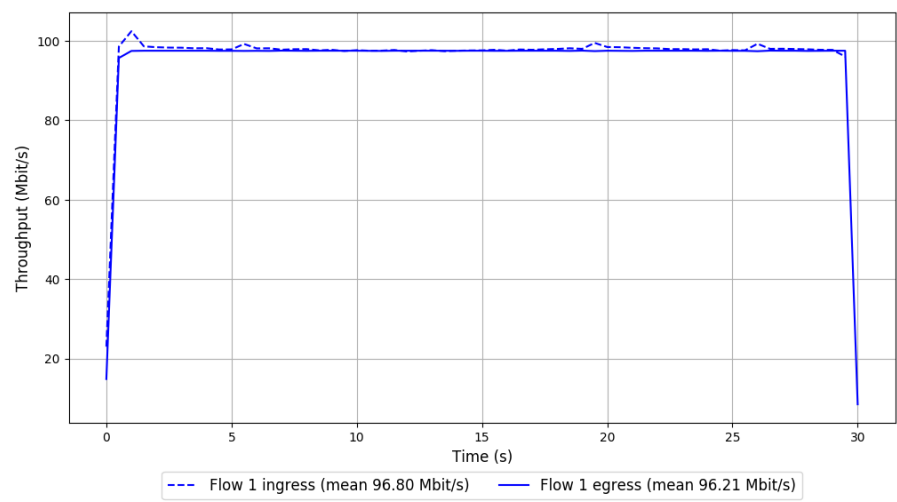


Run 4: Statistics of TCP Cubic

Start at: 2018-04-24 10:12:14
End at: 2018-04-24 10:12:44
Local clock offset: -0.955 ms
Remote clock offset: -1.773 ms

Below is generated by plot.py at 2018-04-24 13:15:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.21 Mbit/s
95th percentile per-packet one-way delay: 68.476 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 96.21 Mbit/s
95th percentile per-packet one-way delay: 68.476 ms
Loss rate: 0.54%

Run 4: Report of TCP Cubic — Data Link

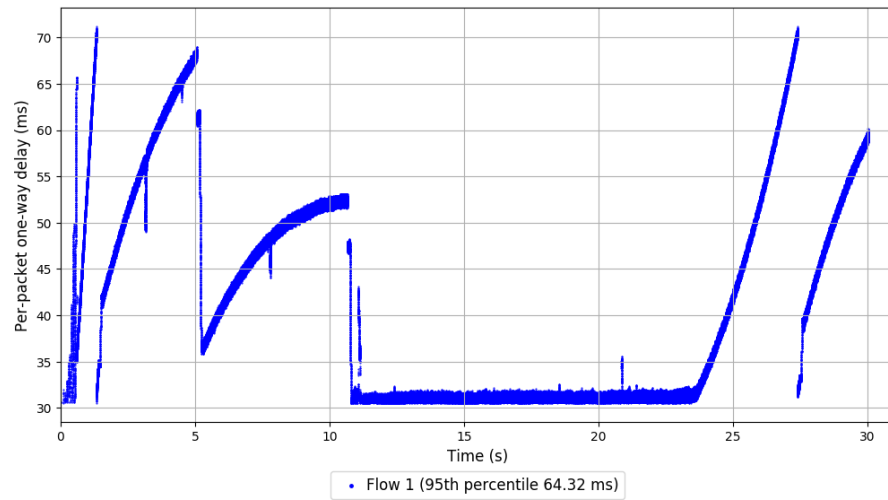
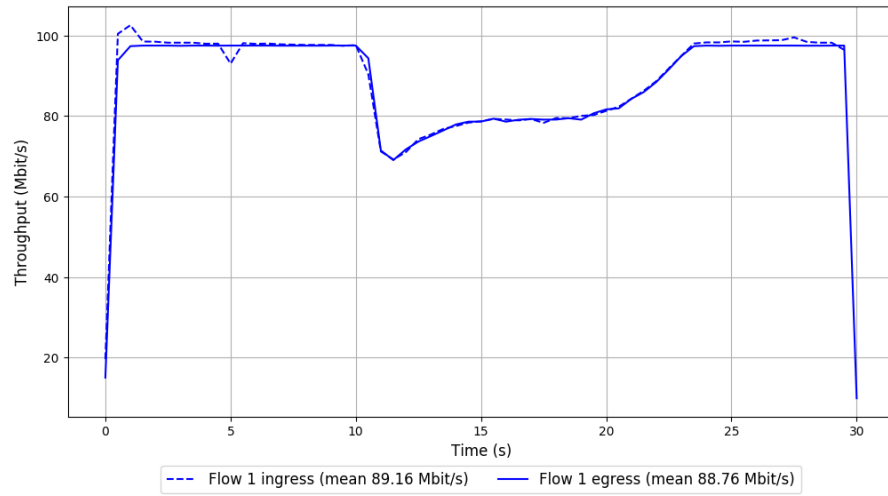


Run 5: Statistics of TCP Cubic

Start at: 2018-04-24 10:35:47
End at: 2018-04-24 10:36:17
Local clock offset: -0.591 ms
Remote clock offset: -1.745 ms

Below is generated by plot.py at 2018-04-24 13:15:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.76 Mbit/s
95th percentile per-packet one-way delay: 64.318 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 88.76 Mbit/s
95th percentile per-packet one-way delay: 64.318 ms
Loss rate: 0.35%

Run 5: Report of TCP Cubic — Data Link

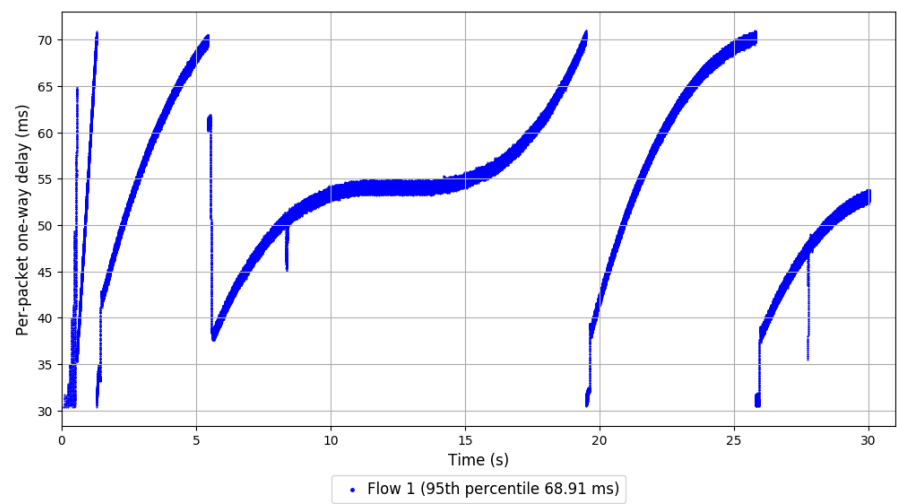
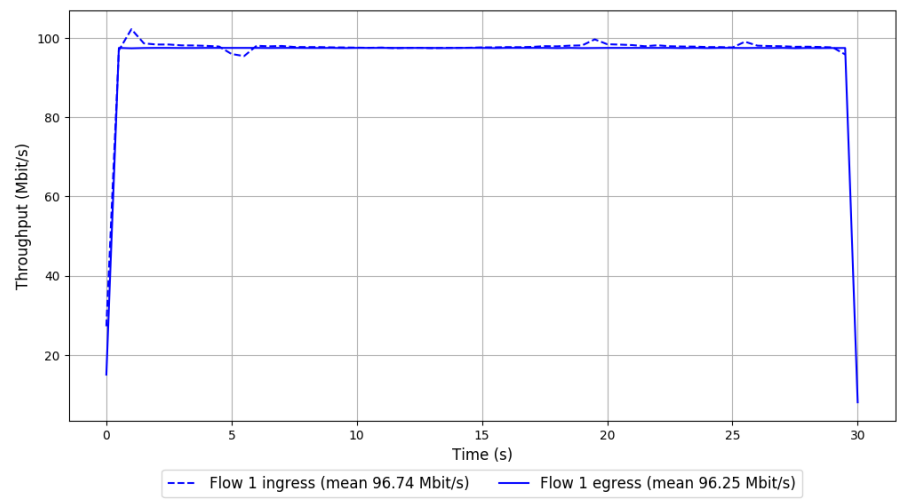


Run 6: Statistics of TCP Cubic

Start at: 2018-04-24 10:58:58
End at: 2018-04-24 10:59:28
Local clock offset: -0.61 ms
Remote clock offset: -0.865 ms

Below is generated by plot.py at 2018-04-24 13:15:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 68.905 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 68.905 ms
Loss rate: 0.45%

Run 6: Report of TCP Cubic — Data Link

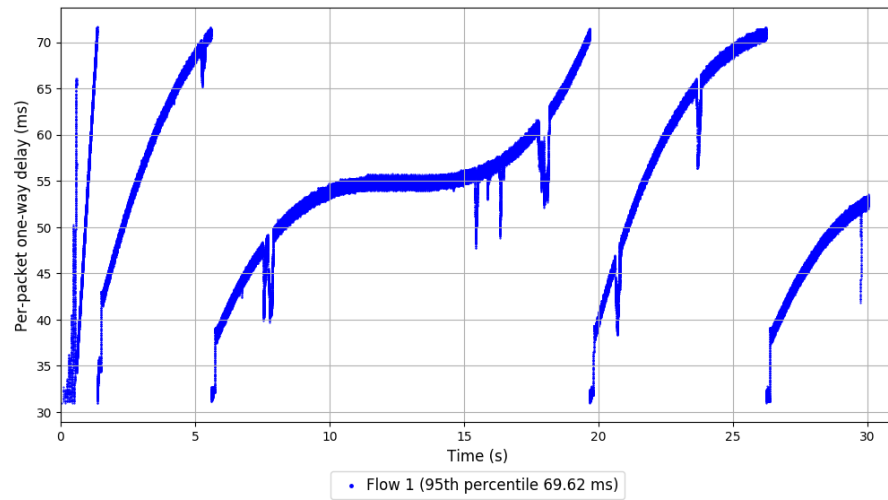
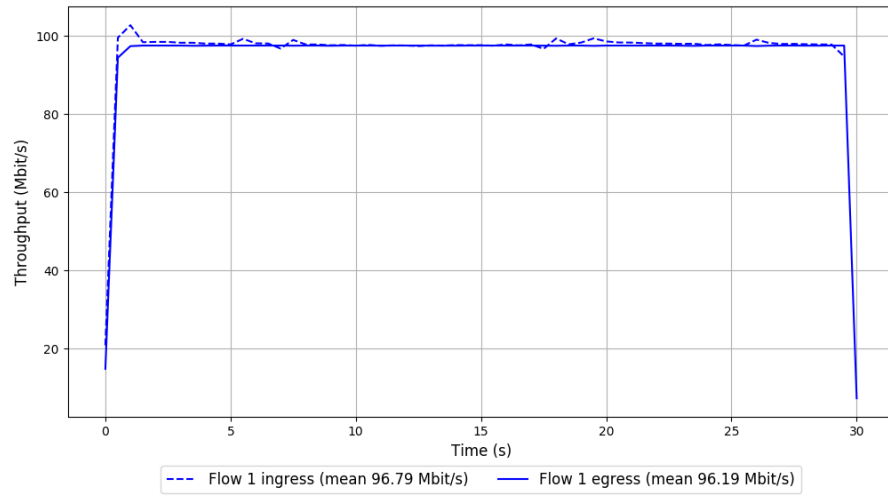


Run 7: Statistics of TCP Cubic

Start at: 2018-04-24 11:21:42
End at: 2018-04-24 11:22:12
Local clock offset: -0.587 ms
Remote clock offset: -2.385 ms

Below is generated by plot.py at 2018-04-24 13:17:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.19 Mbit/s
95th percentile per-packet one-way delay: 69.618 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 96.19 Mbit/s
95th percentile per-packet one-way delay: 69.618 ms
Loss rate: 0.54%

Run 7: Report of TCP Cubic — Data Link

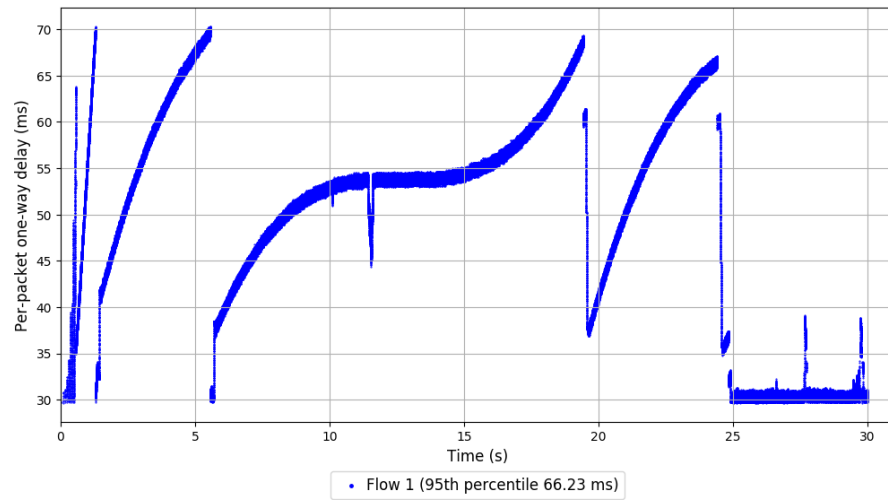
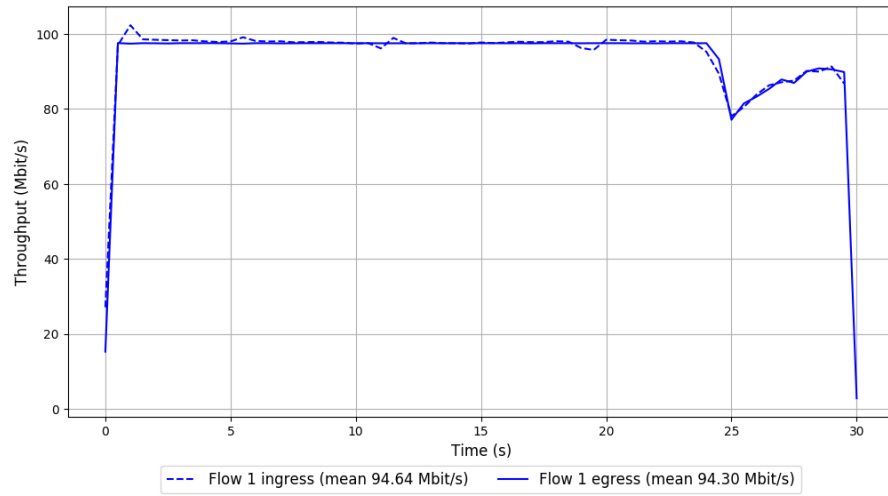


Run 8: Statistics of TCP Cubic

Start at: 2018-04-24 11:44:30
End at: 2018-04-24 11:45:00
Local clock offset: -0.526 ms
Remote clock offset: -3.573 ms

Below is generated by plot.py at 2018-04-24 13:17:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.30 Mbit/s
95th percentile per-packet one-way delay: 66.234 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 94.30 Mbit/s
95th percentile per-packet one-way delay: 66.234 ms
Loss rate: 0.35%

Run 8: Report of TCP Cubic — Data Link

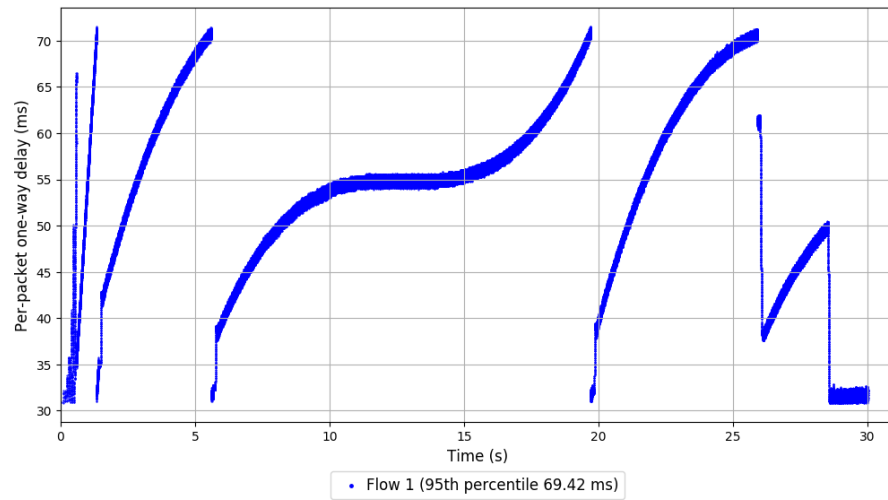
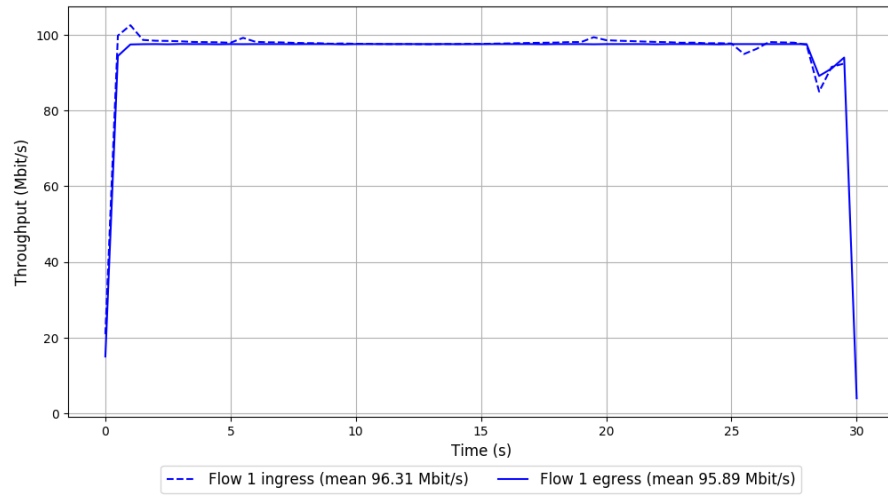


Run 9: Statistics of TCP Cubic

Start at: 2018-04-24 12:07:20
End at: 2018-04-24 12:07:50
Local clock offset: -0.411 ms
Remote clock offset: -3.257 ms

Below is generated by plot.py at 2018-04-24 13:17:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.89 Mbit/s
95th percentile per-packet one-way delay: 69.421 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 95.89 Mbit/s
95th percentile per-packet one-way delay: 69.421 ms
Loss rate: 0.44%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-04-24 12:30:29

End at: 2018-04-24 12:30:59

Local clock offset: -0.406 ms

Remote clock offset: -1.874 ms

Below is generated by plot.py at 2018-04-24 13:17:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.36 Mbit/s

95th percentile per-packet one-way delay: 63.751 ms

Loss rate: 0.31%

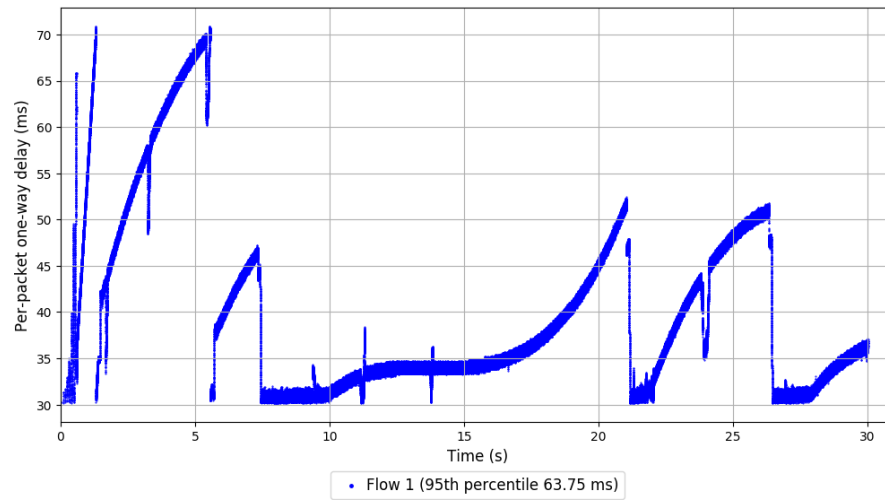
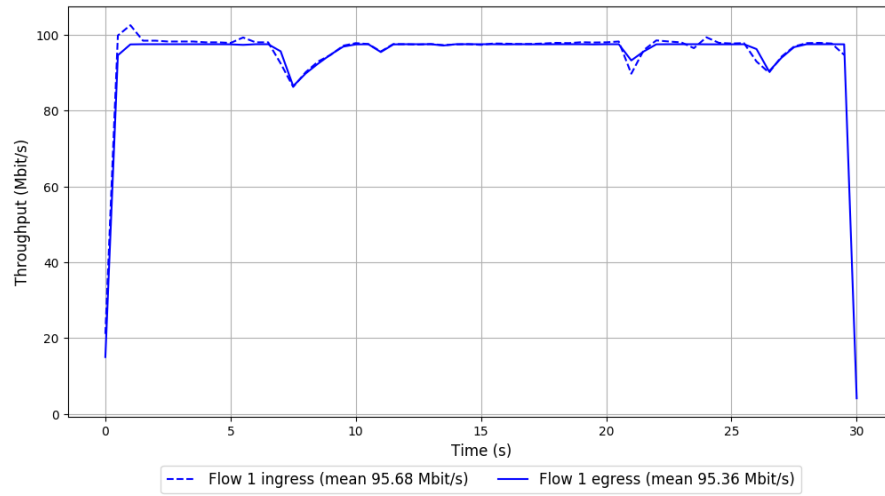
-- Flow 1:

Average throughput: 95.36 Mbit/s

95th percentile per-packet one-way delay: 63.751 ms

Loss rate: 0.31%

Run 10: Report of TCP Cubic — Data Link

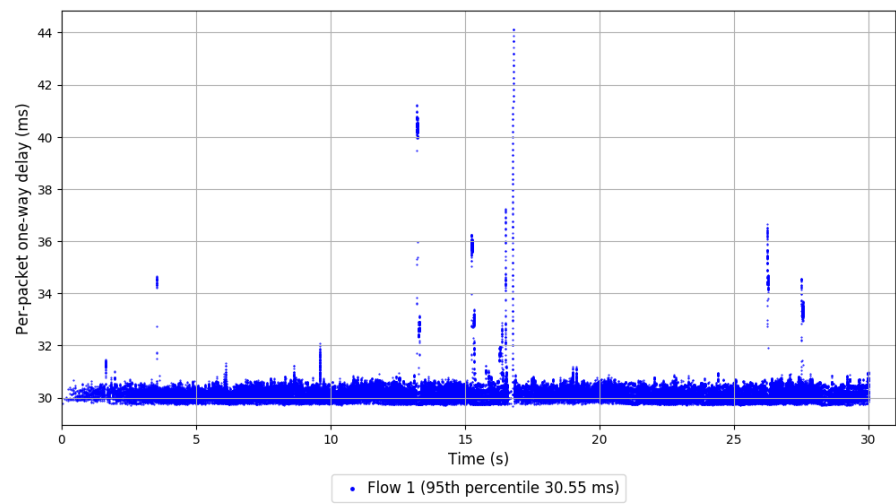
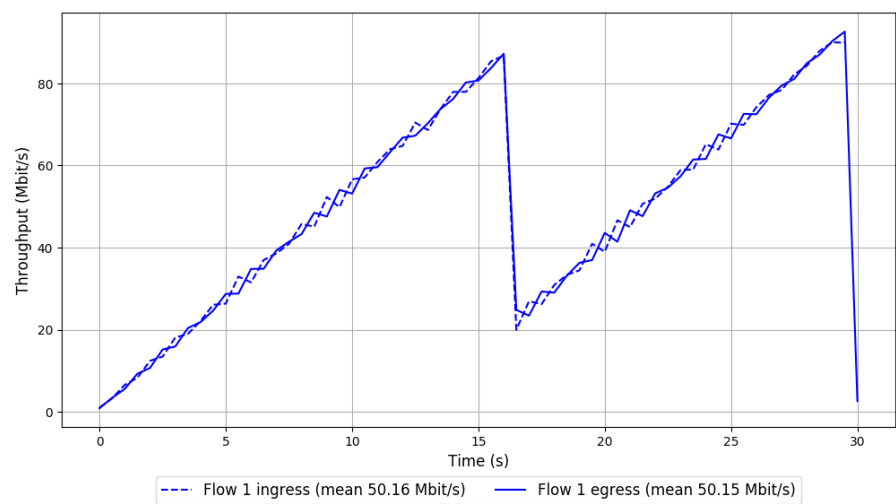


```
Run 1: Statistics of LEDBAT

Start at: 2018-04-24 09:18:25
End at: 2018-04-24 09:18:55
Local clock offset: -0.315 ms
Remote clock offset: -2.382 ms

# Below is generated by plot.py at 2018-04-24 13:17:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.15 Mbit/s
95th percentile per-packet one-way delay: 30.546 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 50.15 Mbit/s
95th percentile per-packet one-way delay: 30.546 ms
Loss rate: 0.02%
```


Run 1: Report of LEDBAT — Data Link

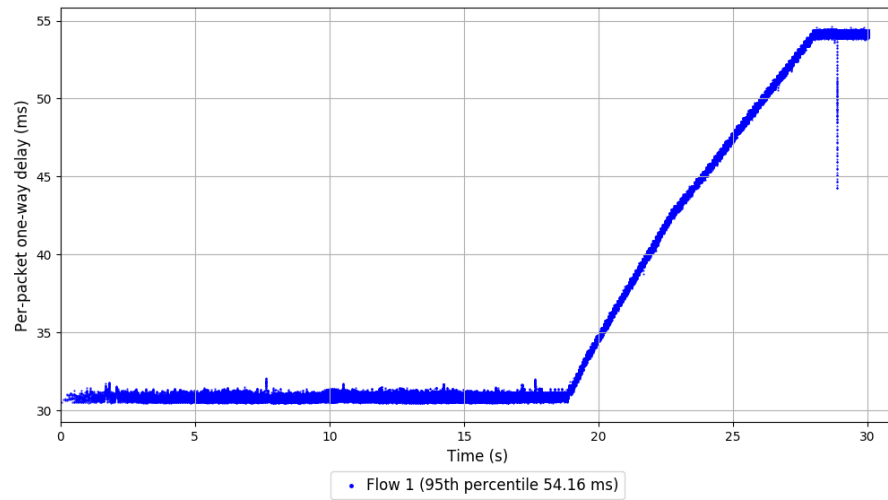
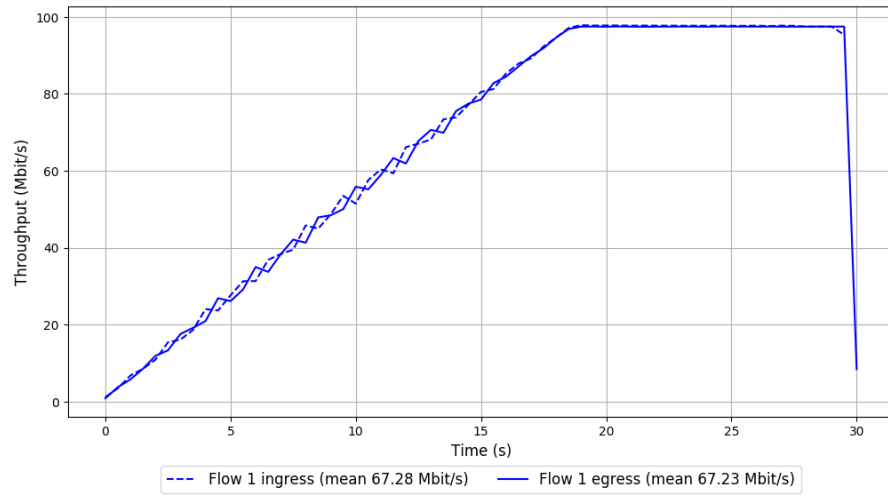


Run 2: Statistics of LEDBAT

Start at: 2018-04-24 09:41:27
End at: 2018-04-24 09:41:57
Local clock offset: -0.477 ms
Remote clock offset: -1.722 ms

Below is generated by plot.py at 2018-04-24 13:17:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.23 Mbit/s
95th percentile per-packet one-way delay: 54.157 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.23 Mbit/s
95th percentile per-packet one-way delay: 54.157 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

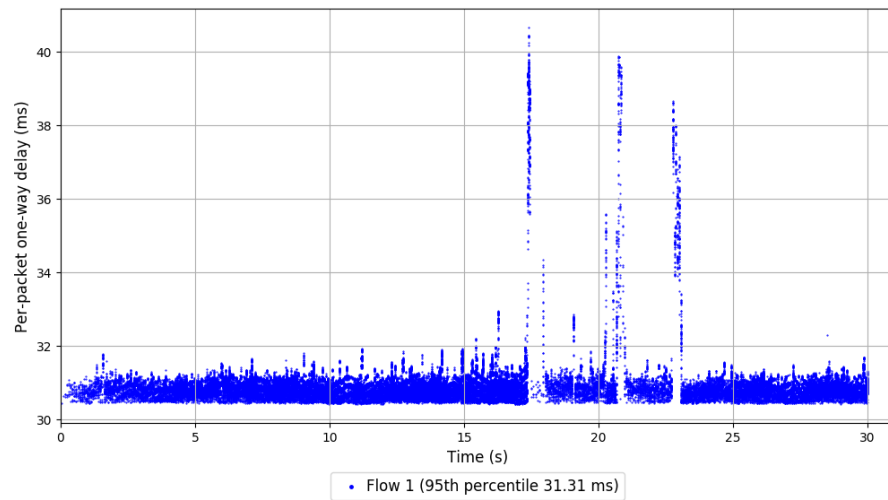
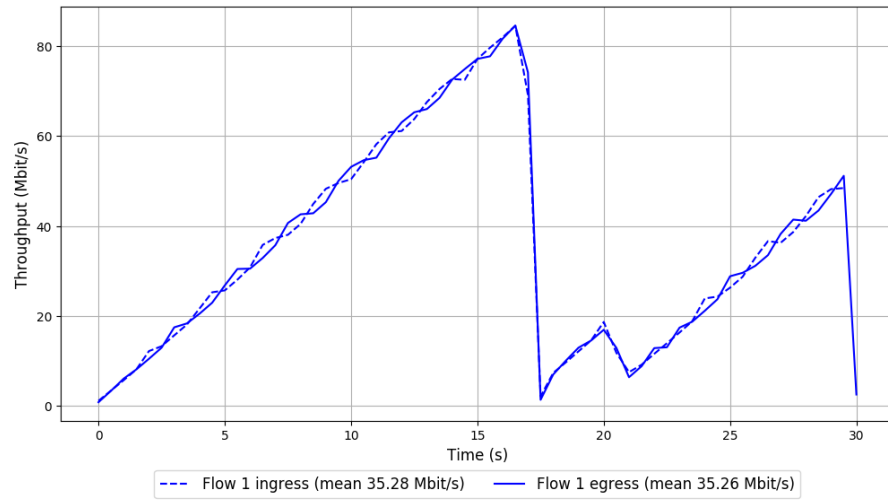


Run 3: Statistics of LEDBAT

Start at: 2018-04-24 10:04:12
End at: 2018-04-24 10:04:42
Local clock offset: -0.942 ms
Remote clock offset: -1.819 ms

Below is generated by plot.py at 2018-04-24 13:17:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.26 Mbit/s
95th percentile per-packet one-way delay: 31.312 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 35.26 Mbit/s
95th percentile per-packet one-way delay: 31.312 ms
Loss rate: 0.06%

Run 3: Report of LEDBAT — Data Link

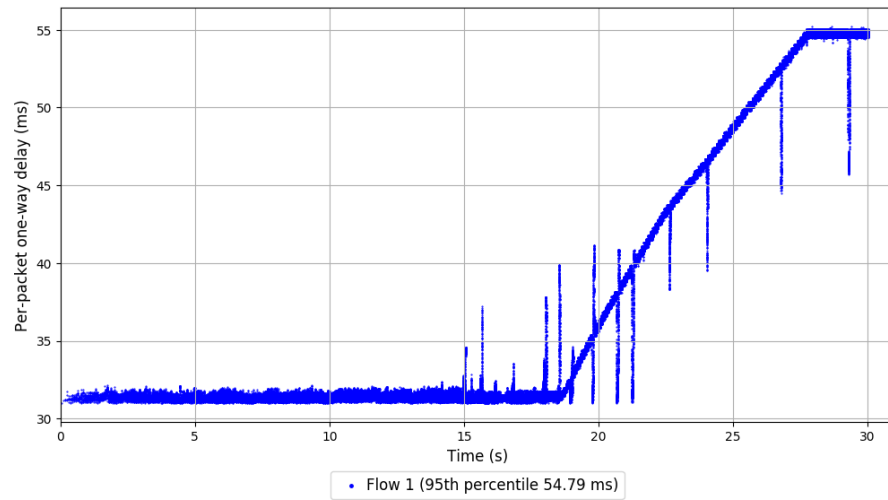
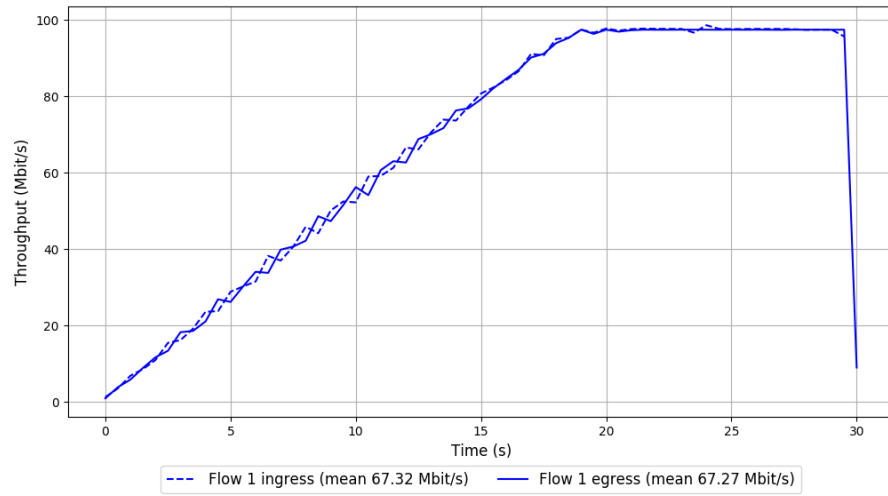


Run 4: Statistics of LEDBAT

Start at: 2018-04-24 10:27:22
End at: 2018-04-24 10:27:52
Local clock offset: -0.68 ms
Remote clock offset: -1.239 ms

Below is generated by plot.py at 2018-04-24 13:17:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.27 Mbit/s
95th percentile per-packet one-way delay: 54.791 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.27 Mbit/s
95th percentile per-packet one-way delay: 54.791 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

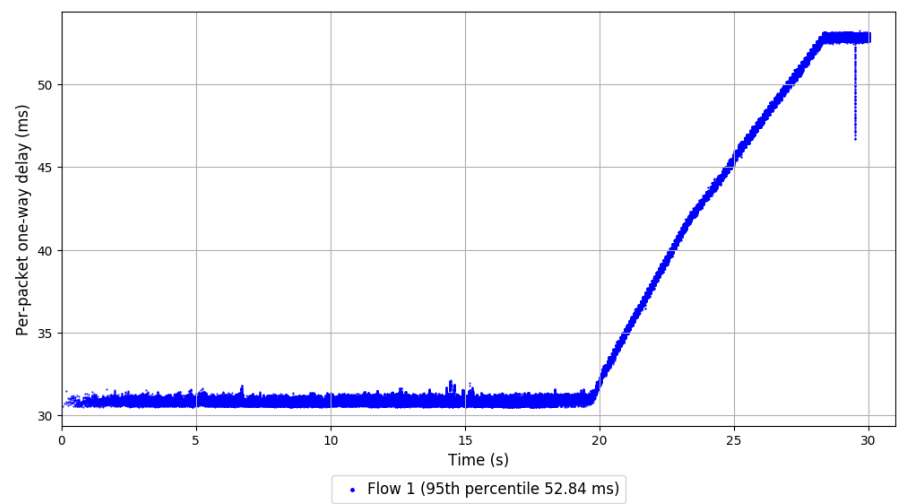
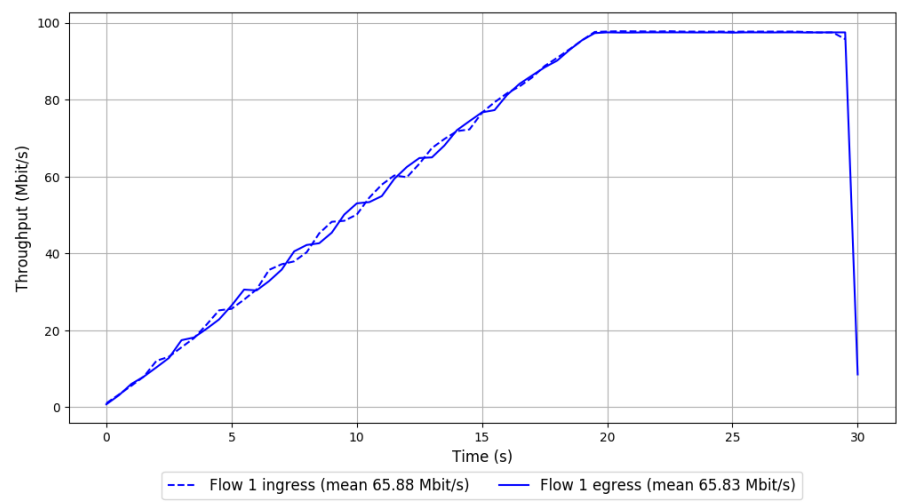


Run 5: Statistics of LEDBAT

Start at: 2018-04-24 10:50:54
End at: 2018-04-24 10:51:24
Local clock offset: -0.547 ms
Remote clock offset: -1.621 ms

Below is generated by plot.py at 2018-04-24 13:17:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.83 Mbit/s
95th percentile per-packet one-way delay: 52.835 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.83 Mbit/s
95th percentile per-packet one-way delay: 52.835 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

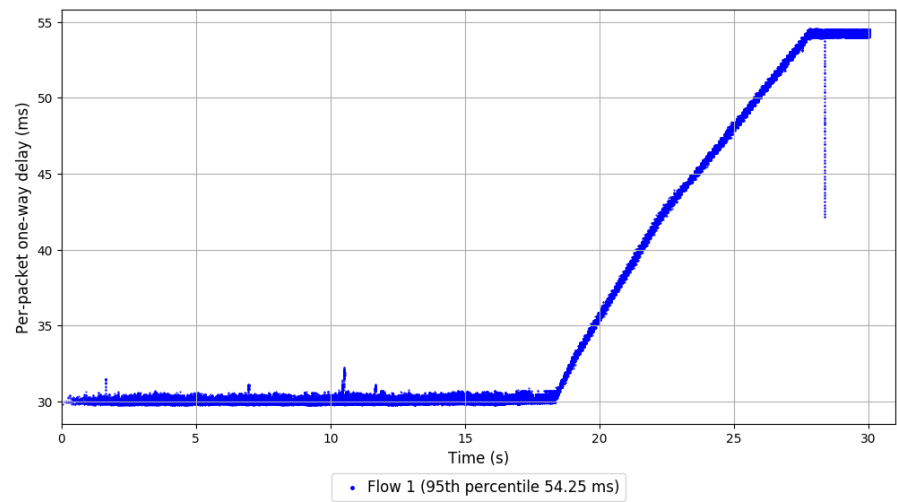
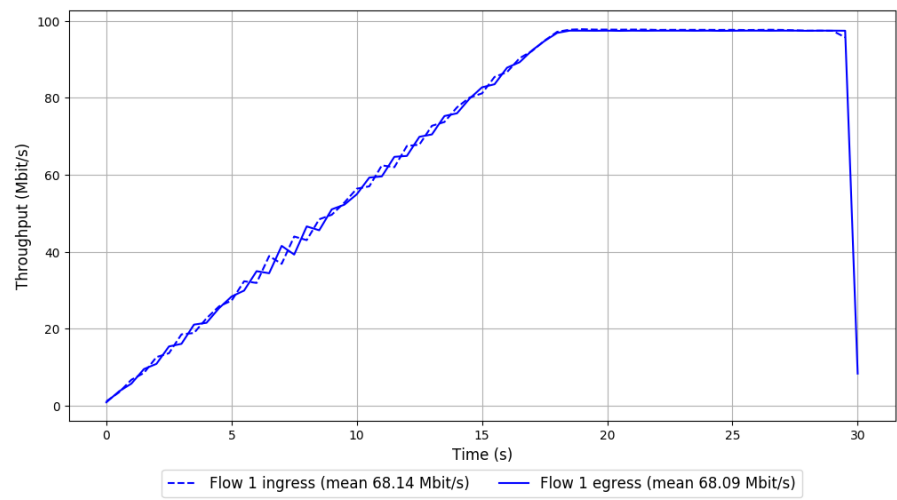


Run 6: Statistics of LEDBAT

Start at: 2018-04-24 11:13:42
End at: 2018-04-24 11:14:12
Local clock offset: -0.678 ms
Remote clock offset: -2.324 ms

Below is generated by plot.py at 2018-04-24 13:17:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.09 Mbit/s
95th percentile per-packet one-way delay: 54.247 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 68.09 Mbit/s
95th percentile per-packet one-way delay: 54.247 ms
Loss rate: 0.01%

Run 6: Report of LEDBAT — Data Link

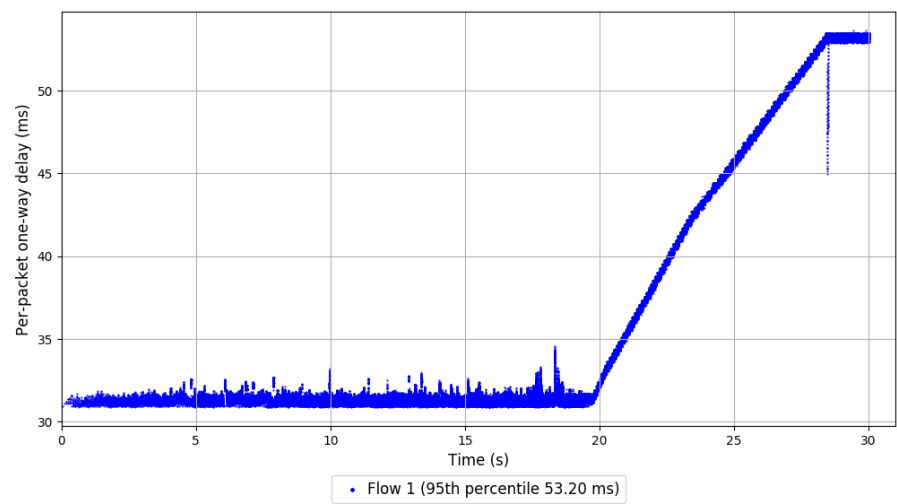
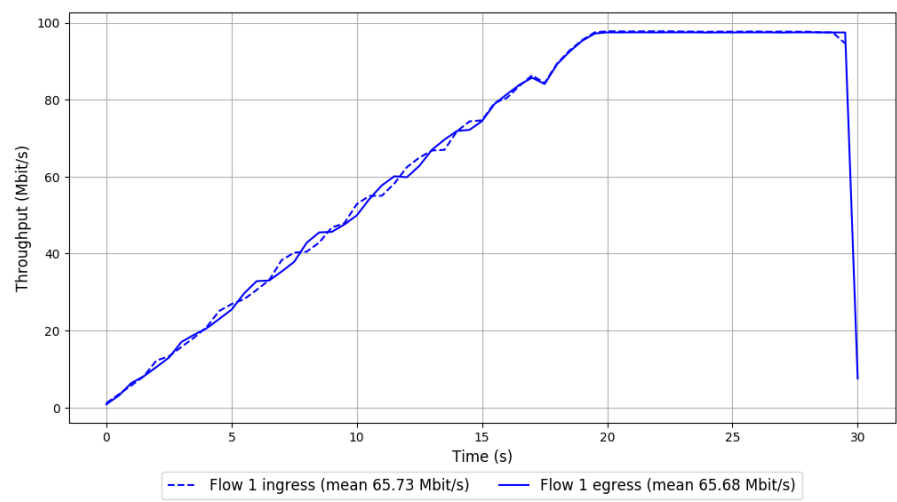


Run 7: Statistics of LEDBAT

Start at: 2018-04-24 11:36:27
End at: 2018-04-24 11:36:57
Local clock offset: -0.521 ms
Remote clock offset: -3.002 ms

Below is generated by plot.py at 2018-04-24 13:17:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.68 Mbit/s
95th percentile per-packet one-way delay: 53.204 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.68 Mbit/s
95th percentile per-packet one-way delay: 53.204 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

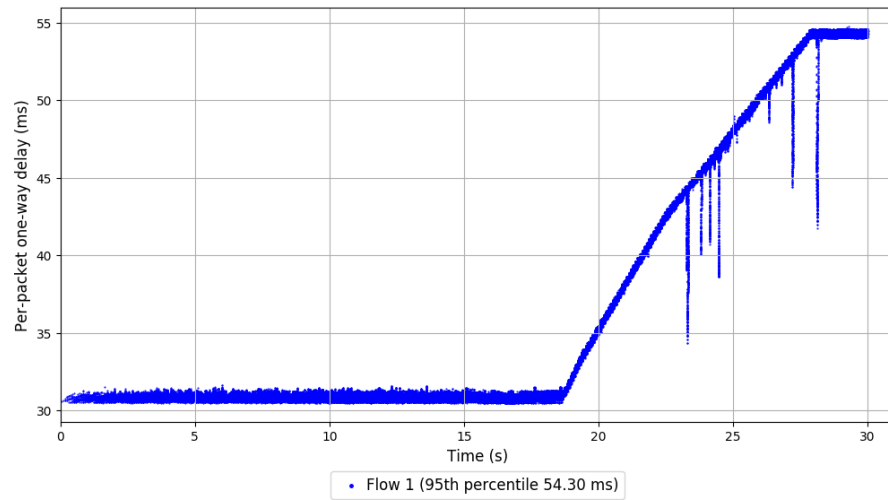
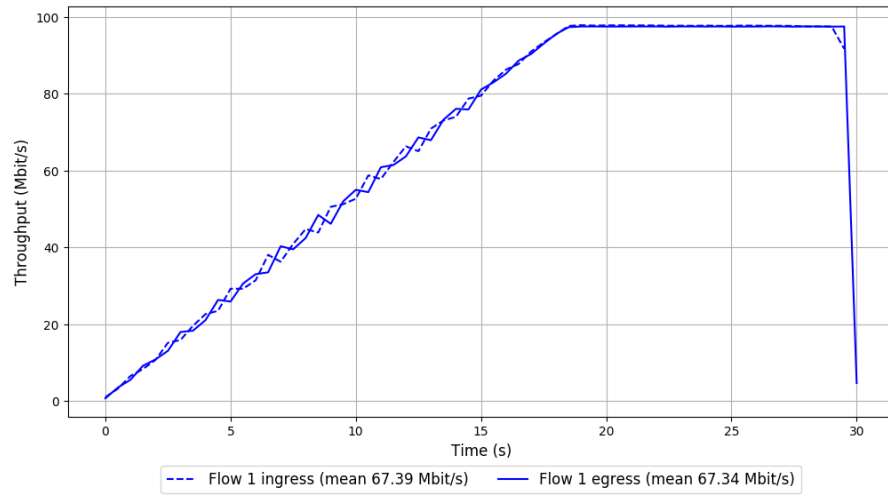


Run 8: Statistics of LEDBAT

Start at: 2018-04-24 11:59:18
End at: 2018-04-24 11:59:48
Local clock offset: -0.58 ms
Remote clock offset: -3.773 ms

Below is generated by plot.py at 2018-04-24 13:18:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.34 Mbit/s
95th percentile per-packet one-way delay: 54.301 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.34 Mbit/s
95th percentile per-packet one-way delay: 54.301 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-04-24 12:22:15

End at: 2018-04-24 12:22:45

Local clock offset: -0.428 ms

Remote clock offset: -2.75 ms

Below is generated by plot.py at 2018-04-24 13:18:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.64 Mbit/s

95th percentile per-packet one-way delay: 33.350 ms

Loss rate: 0.02%

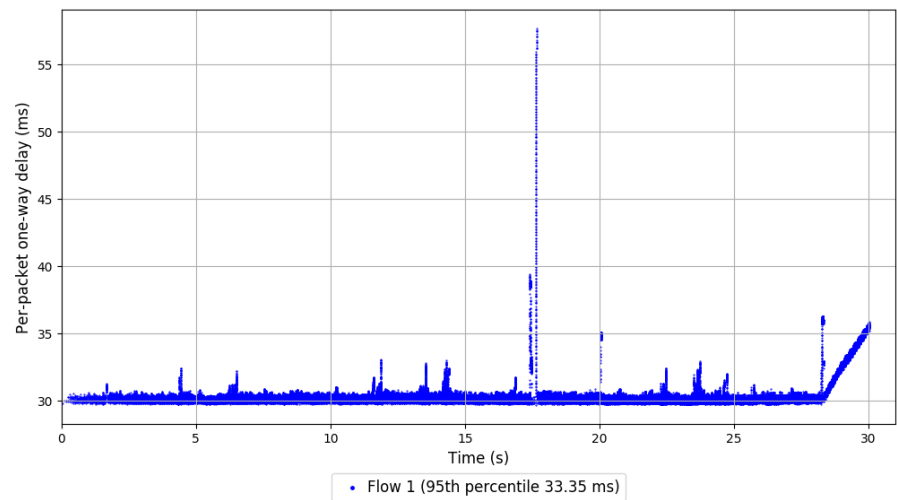
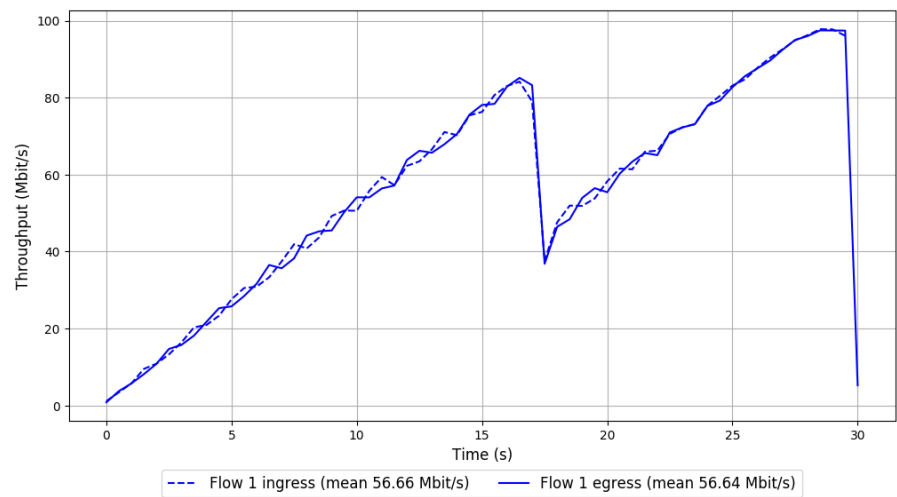
-- Flow 1:

Average throughput: 56.64 Mbit/s

95th percentile per-packet one-way delay: 33.350 ms

Loss rate: 0.02%

Run 9: Report of LEDBAT — Data Link

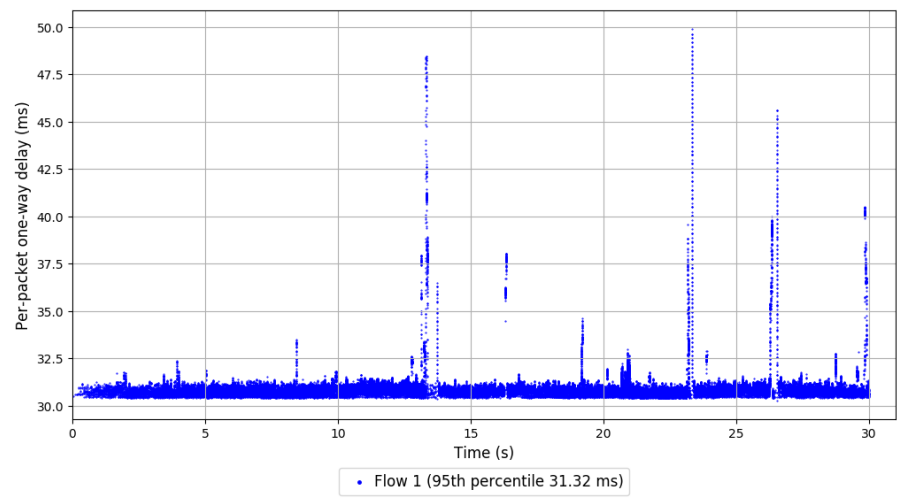
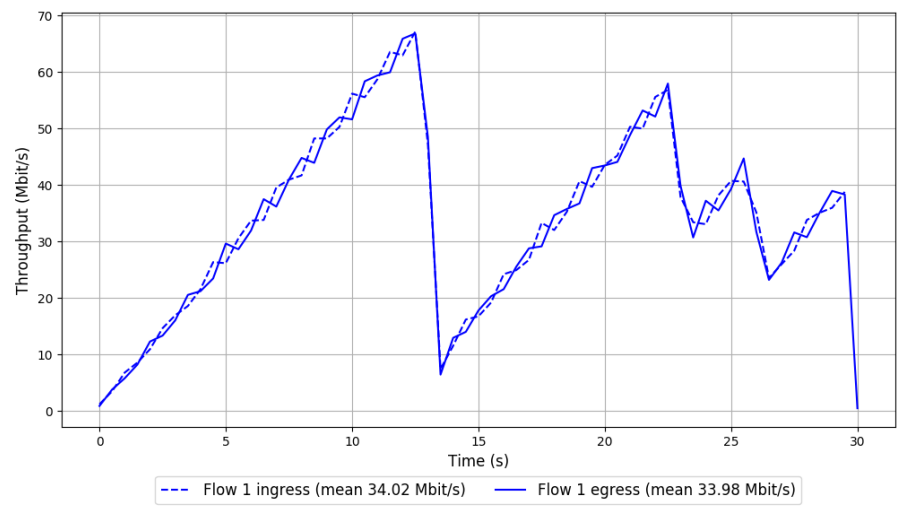


Run 10: Statistics of LEDBAT

Start at: 2018-04-24 12:45:15
End at: 2018-04-24 12:45:45
Local clock offset: -0.377 ms
Remote clock offset: -2.347 ms

Below is generated by plot.py at 2018-04-24 13:18:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.98 Mbit/s
95th percentile per-packet one-way delay: 31.325 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 33.98 Mbit/s
95th percentile per-packet one-way delay: 31.325 ms
Loss rate: 0.11%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-04-24 09:17:01

End at: 2018-04-24 09:17:31

Local clock offset: -0.328 ms

Remote clock offset: -1.858 ms

Below is generated by plot.py at 2018-04-24 13:18:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.31 Mbit/s

95th percentile per-packet one-way delay: 37.000 ms

Loss rate: 0.72%

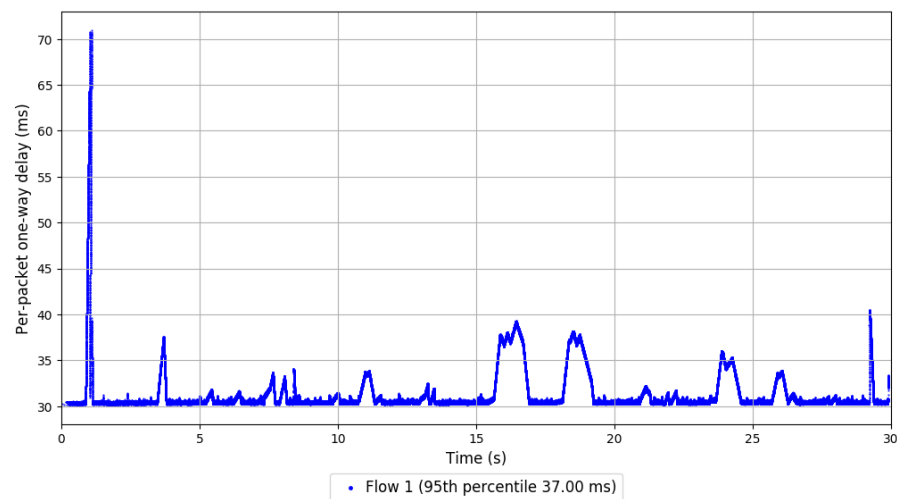
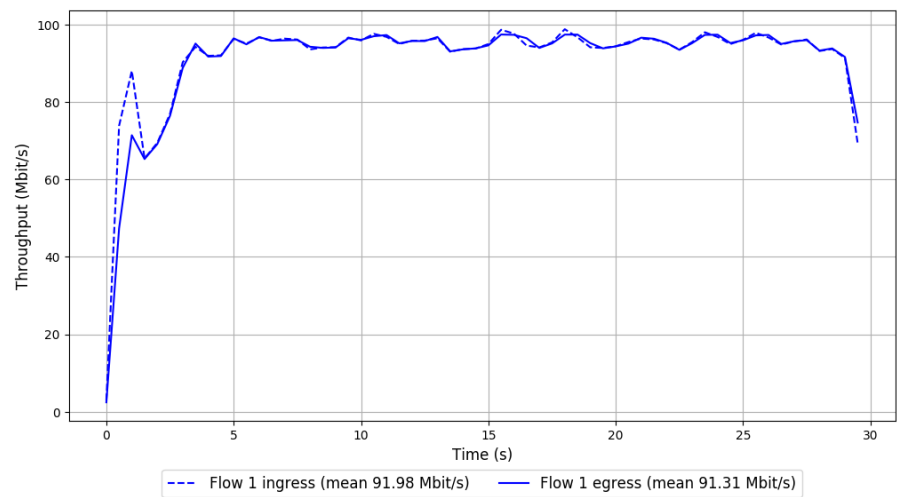
-- Flow 1:

Average throughput: 91.31 Mbit/s

95th percentile per-packet one-way delay: 37.000 ms

Loss rate: 0.72%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-04-24 09:40:07

End at: 2018-04-24 09:40:37

Local clock offset: -0.527 ms

Remote clock offset: -1.366 ms

Below is generated by plot.py at 2018-04-24 13:18:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.15 Mbit/s

95th percentile per-packet one-way delay: 38.962 ms

Loss rate: 0.75%

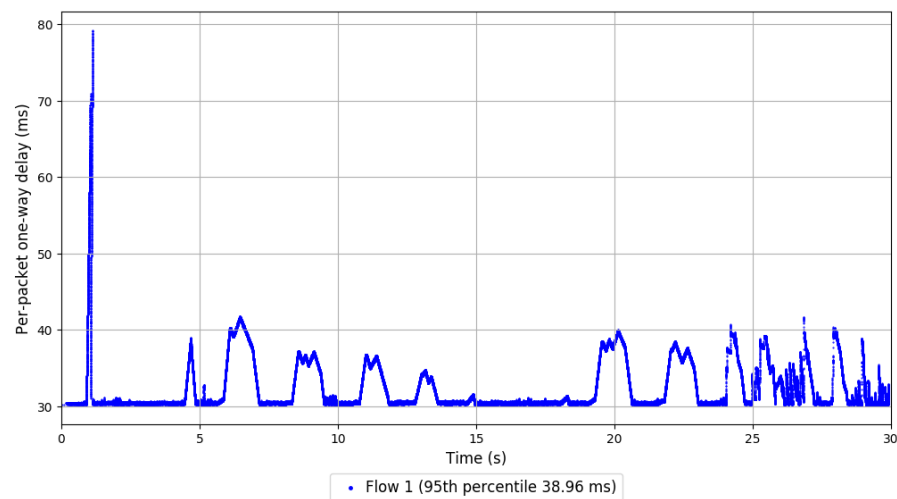
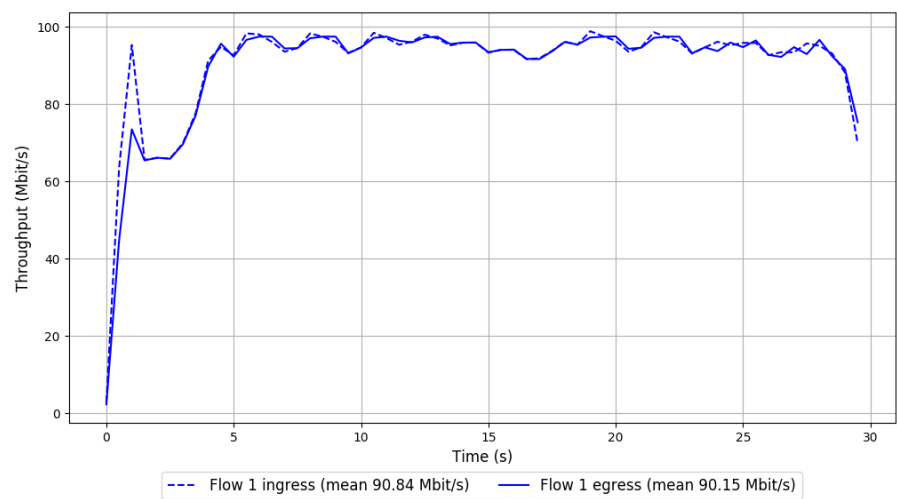
-- Flow 1:

Average throughput: 90.15 Mbit/s

95th percentile per-packet one-way delay: 38.962 ms

Loss rate: 0.75%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-04-24 10:02:52

End at: 2018-04-24 10:03:22

Local clock offset: -0.923 ms

Remote clock offset: -1.873 ms

Below is generated by plot.py at 2018-04-24 13:18:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.67 Mbit/s

95th percentile per-packet one-way delay: 35.067 ms

Loss rate: 0.75%

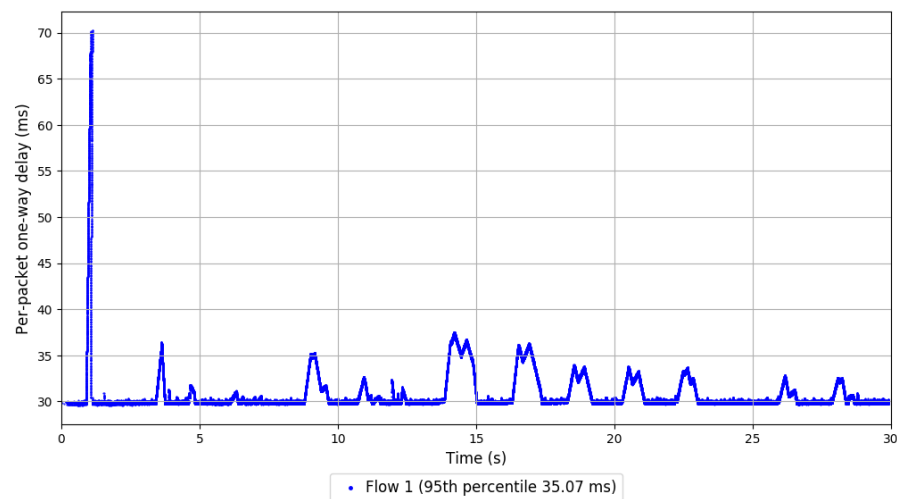
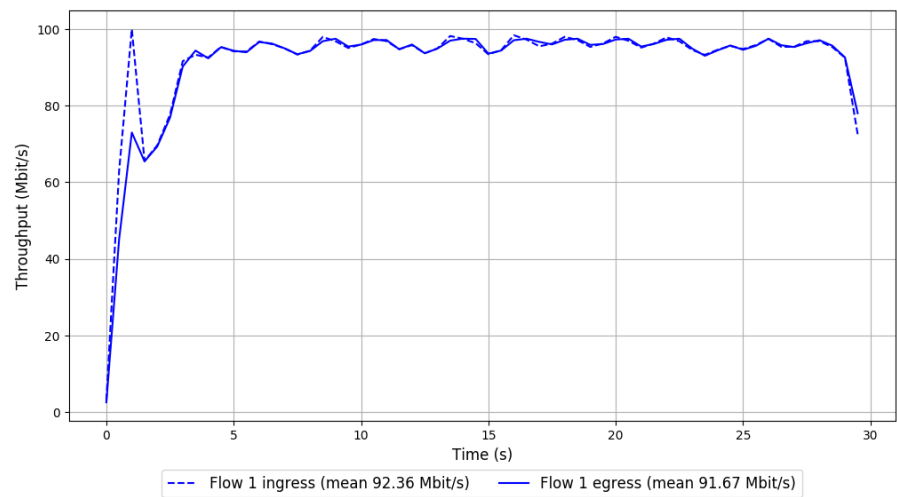
-- Flow 1:

Average throughput: 91.67 Mbit/s

95th percentile per-packet one-way delay: 35.067 ms

Loss rate: 0.75%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-04-24 10:26:00

End at: 2018-04-24 10:26:30

Local clock offset: -0.604 ms

Remote clock offset: -1.562 ms

Below is generated by plot.py at 2018-04-24 13:19:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.15 Mbit/s

95th percentile per-packet one-way delay: 36.486 ms

Loss rate: 0.76%

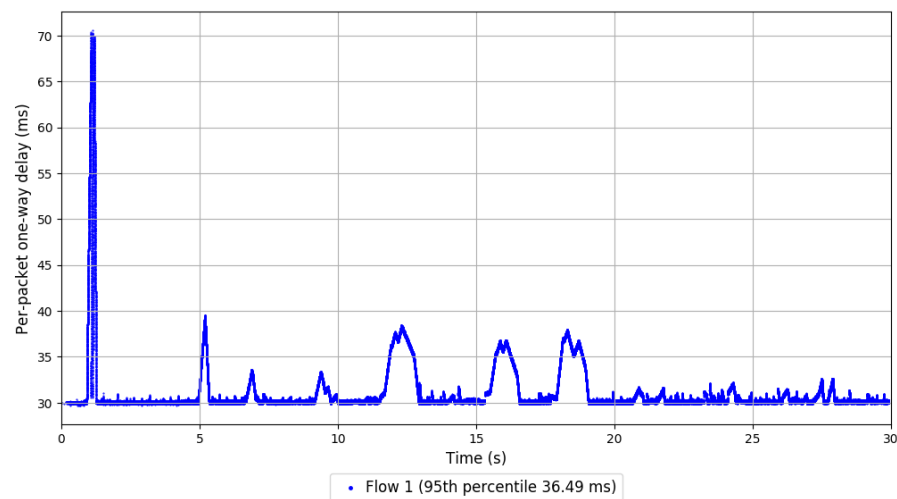
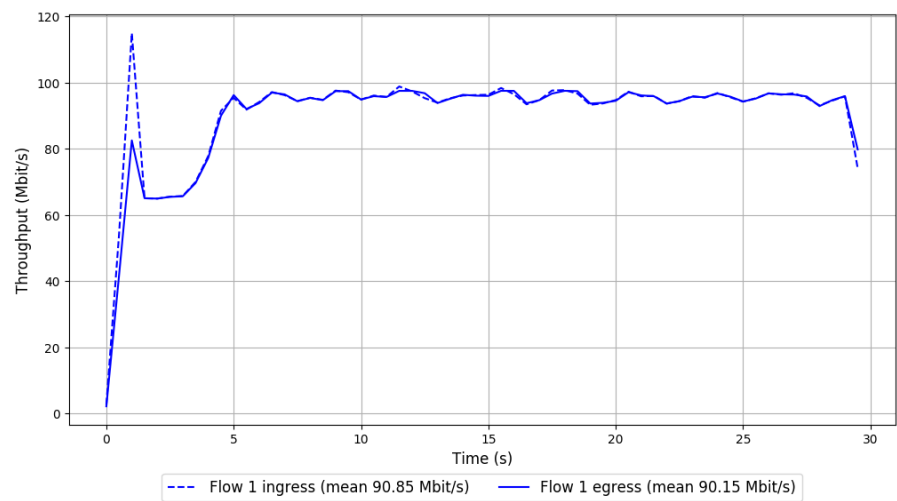
-- Flow 1:

Average throughput: 90.15 Mbit/s

95th percentile per-packet one-way delay: 36.486 ms

Loss rate: 0.76%

Run 4: Report of PCC-Allegro — Data Link

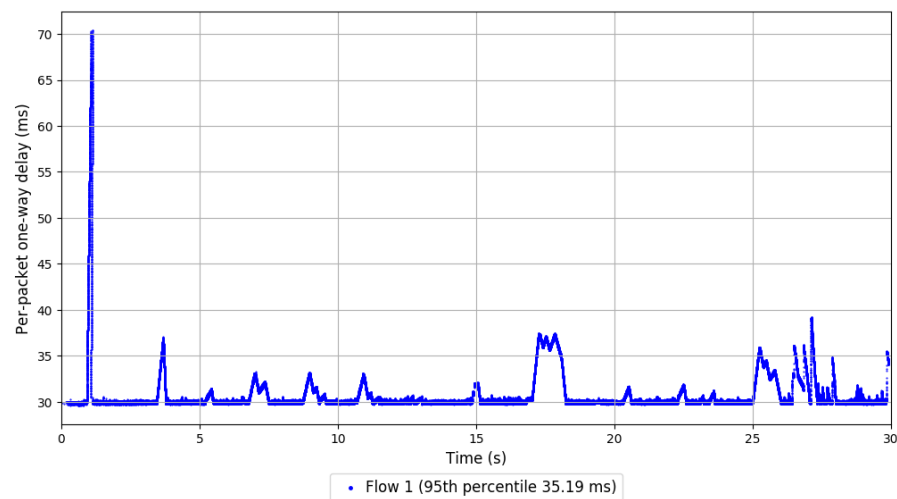
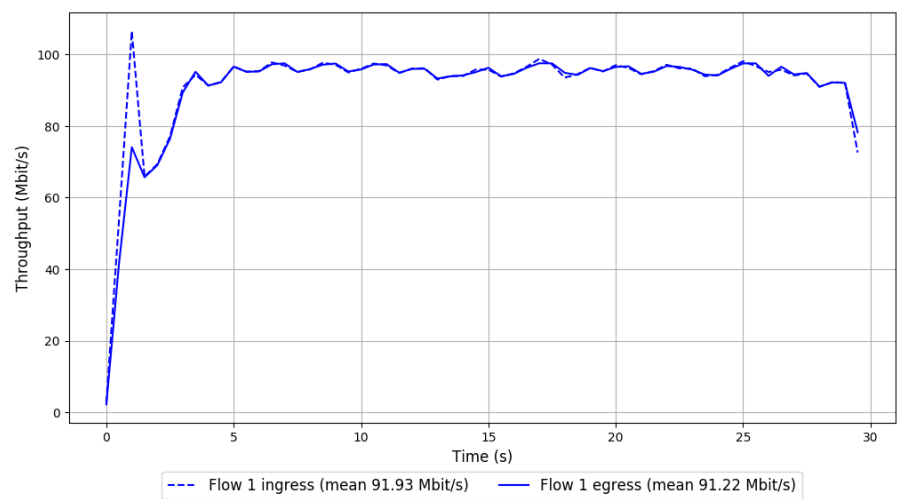


Run 5: Statistics of PCC-Allegro

Start at: 2018-04-24 10:49:35
End at: 2018-04-24 10:50:05
Local clock offset: -0.444 ms
Remote clock offset: -1.598 ms

Below is generated by plot.py at 2018-04-24 13:19:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.22 Mbit/s
95th percentile per-packet one-way delay: 35.192 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 91.22 Mbit/s
95th percentile per-packet one-way delay: 35.192 ms
Loss rate: 0.75%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-04-24 11:12:22

End at: 2018-04-24 11:12:52

Local clock offset: -0.552 ms

Remote clock offset: -2.153 ms

Below is generated by plot.py at 2018-04-24 13:19:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.96 Mbit/s

95th percentile per-packet one-way delay: 35.712 ms

Loss rate: 0.76%

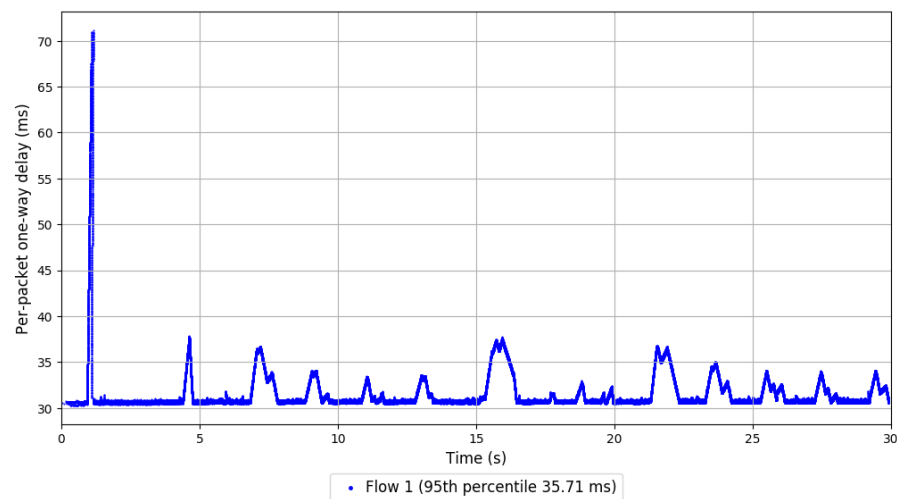
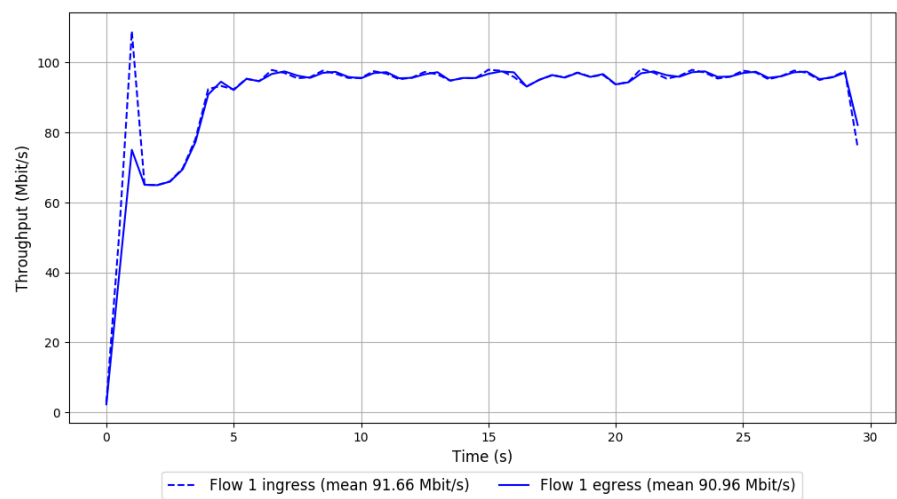
-- Flow 1:

Average throughput: 90.96 Mbit/s

95th percentile per-packet one-way delay: 35.712 ms

Loss rate: 0.76%

Run 6: Report of PCC-Allegro — Data Link

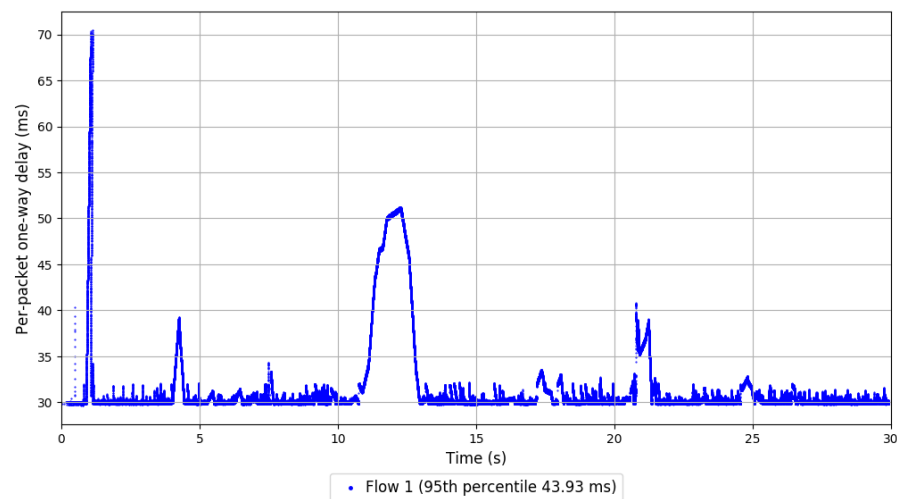
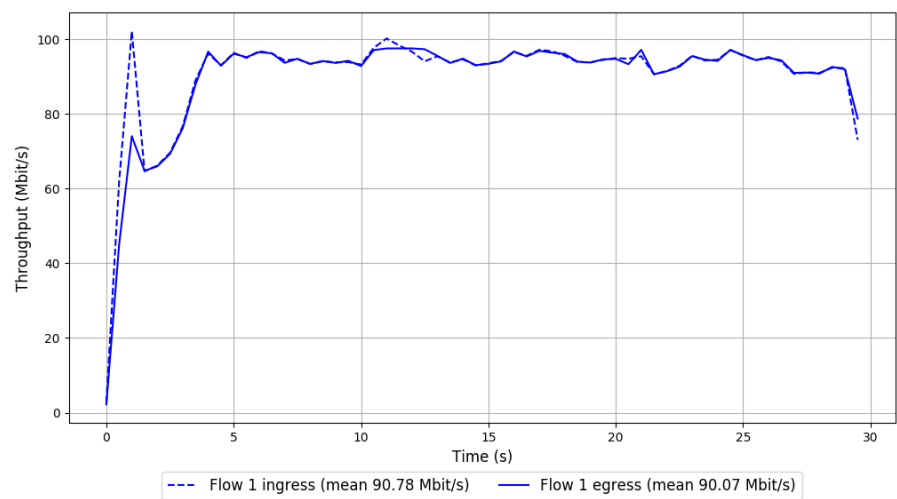


Run 7: Statistics of PCC-Allegro

Start at: 2018-04-24 11:35:07
End at: 2018-04-24 11:35:37
Local clock offset: -0.594 ms
Remote clock offset: -3.375 ms

Below is generated by plot.py at 2018-04-24 13:19:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.07 Mbit/s
95th percentile per-packet one-way delay: 43.931 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 90.07 Mbit/s
95th percentile per-packet one-way delay: 43.931 ms
Loss rate: 0.78%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-04-24 11:57:58

End at: 2018-04-24 11:58:28

Local clock offset: -0.607 ms

Remote clock offset: -3.742 ms

Below is generated by plot.py at 2018-04-24 13:19:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.21 Mbit/s

95th percentile per-packet one-way delay: 35.769 ms

Loss rate: 0.76%

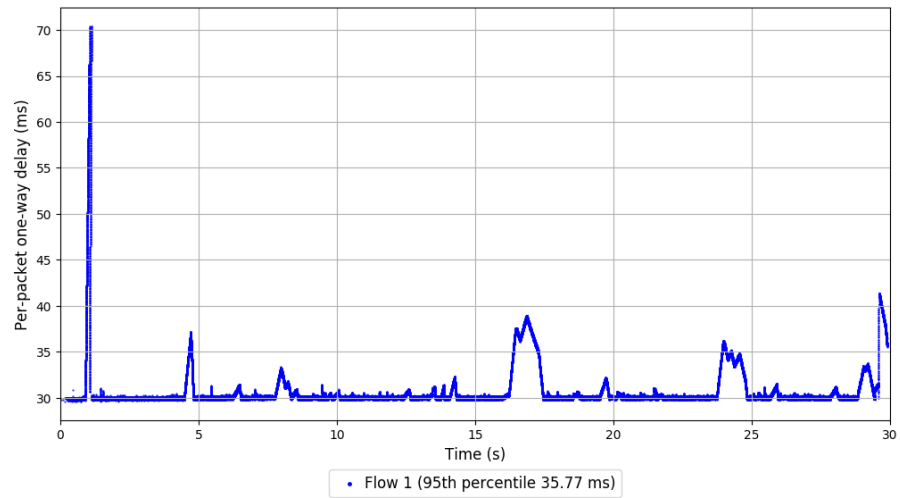
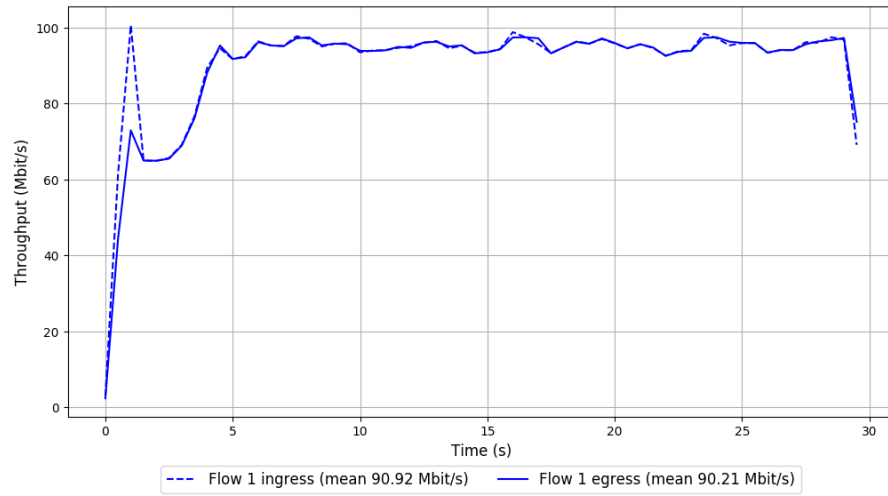
-- Flow 1:

Average throughput: 90.21 Mbit/s

95th percentile per-packet one-way delay: 35.769 ms

Loss rate: 0.76%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-04-24 12:20:46

End at: 2018-04-24 12:21:16

Local clock offset: -0.499 ms

Remote clock offset: -2.81 ms

Below is generated by plot.py at 2018-04-24 13:20:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.07 Mbit/s

95th percentile per-packet one-way delay: 50.765 ms

Loss rate: 0.89%

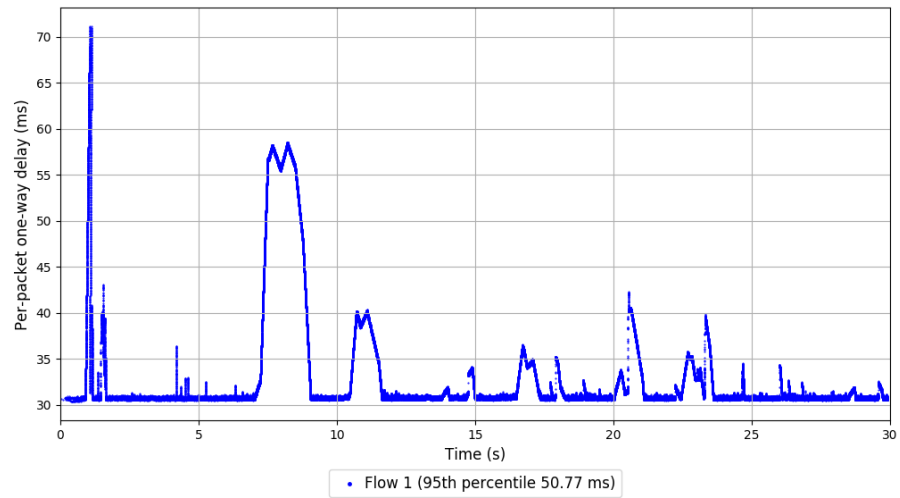
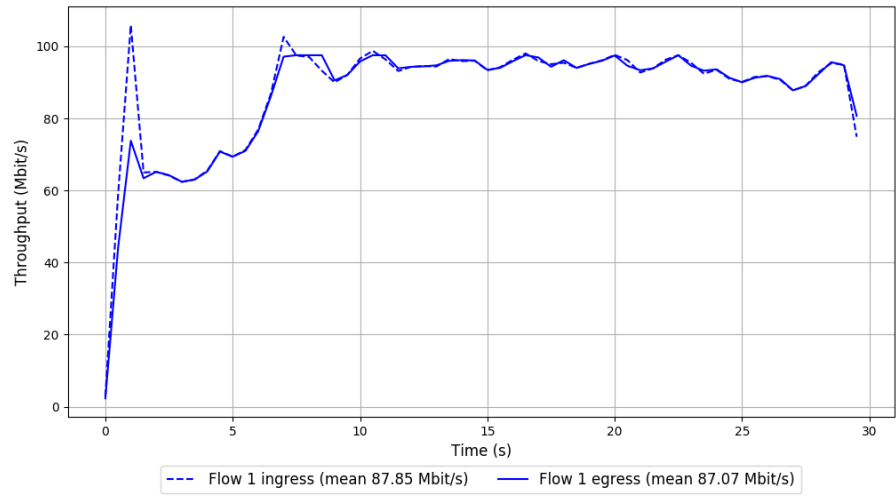
-- Flow 1:

Average throughput: 87.07 Mbit/s

95th percentile per-packet one-way delay: 50.765 ms

Loss rate: 0.89%

Run 9: Report of PCC-Allegro — Data Link

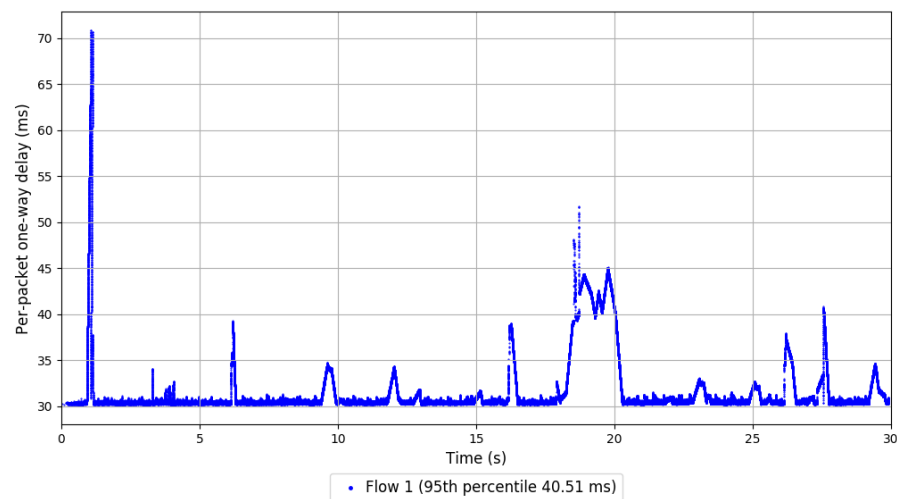
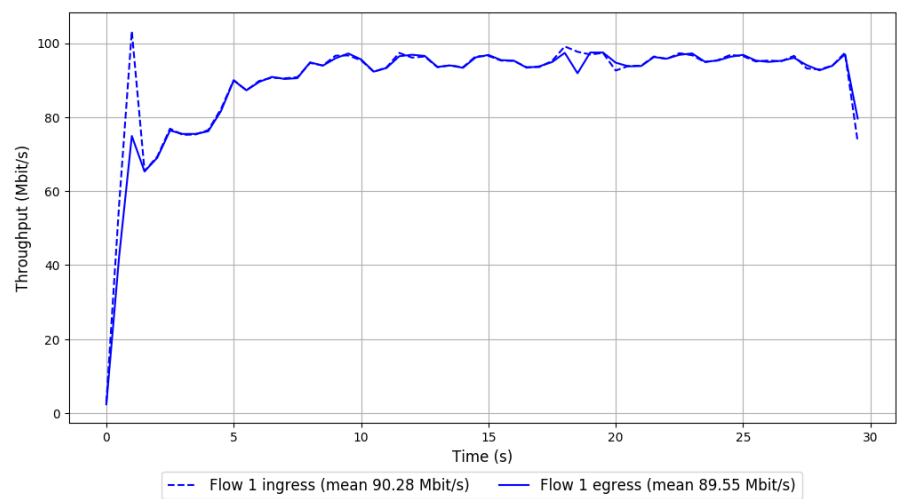


Run 10: Statistics of PCC-Allegro

Start at: 2018-04-24 12:43:55
End at: 2018-04-24 12:44:25
Local clock offset: -0.372 ms
Remote clock offset: -1.856 ms

Below is generated by plot.py at 2018-04-24 13:20:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.55 Mbit/s
95th percentile per-packet one-way delay: 40.513 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 89.55 Mbit/s
95th percentile per-packet one-way delay: 40.513 ms
Loss rate: 0.81%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of QUIC Cubic

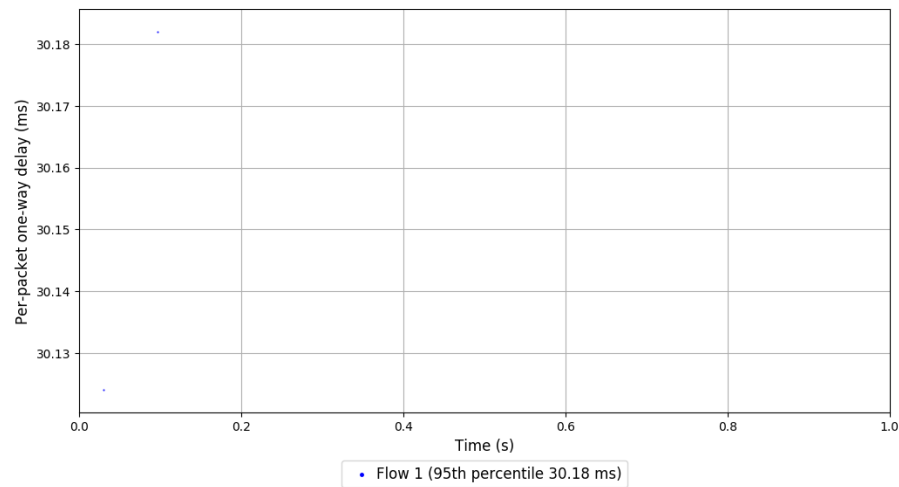
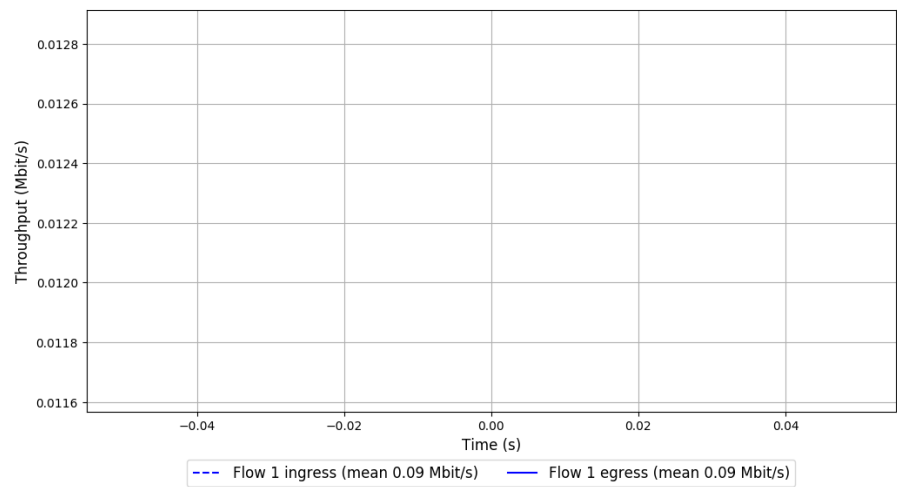
Start at: 2018-04-24 09:19:45

End at: 2018-04-24 09:20:15

Local clock offset: -0.276 ms

Remote clock offset: -1.893 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-04-24 09:42:47

End at: 2018-04-24 09:43:17

Local clock offset: -0.624 ms

Remote clock offset: -1.357 ms

Below is generated by plot.py at 2018-04-24 13:20:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.44 Mbit/s

95th percentile per-packet one-way delay: 63.009 ms

Loss rate: 0.87%

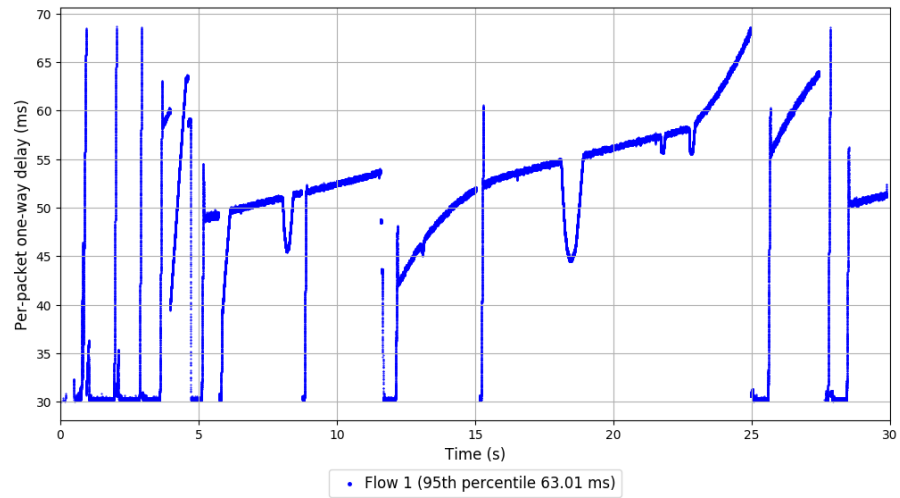
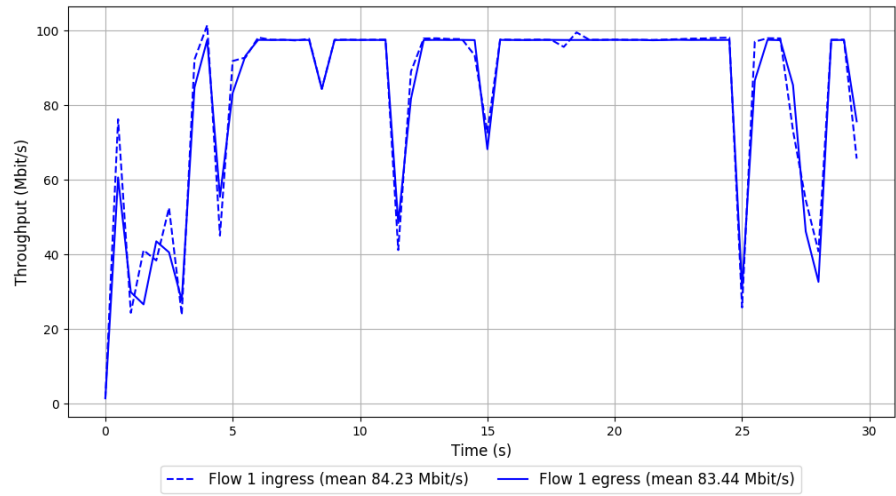
-- Flow 1:

Average throughput: 83.44 Mbit/s

95th percentile per-packet one-way delay: 63.009 ms

Loss rate: 0.87%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-04-24 10:05:30

End at: 2018-04-24 10:06:00

Local clock offset: -1.026 ms

Remote clock offset: -1.415 ms

Below is generated by plot.py at 2018-04-24 13:20:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.21 Mbit/s

95th percentile per-packet one-way delay: 66.187 ms

Loss rate: 0.74%

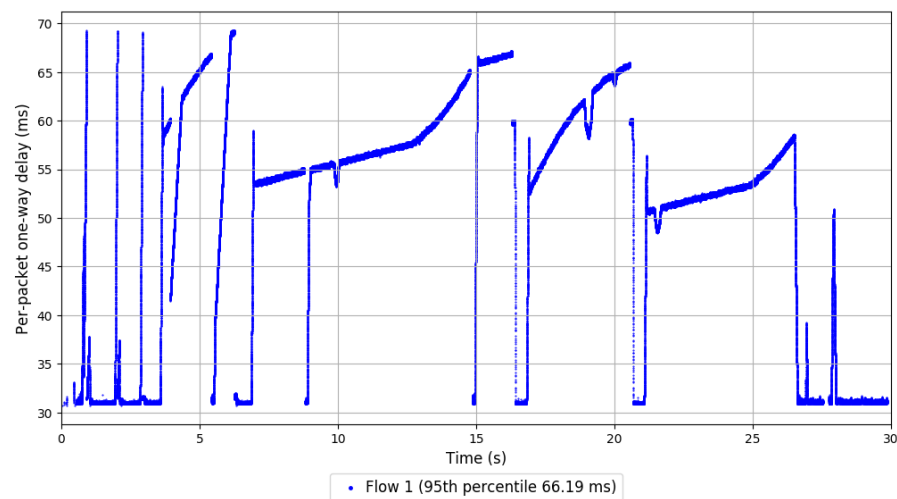
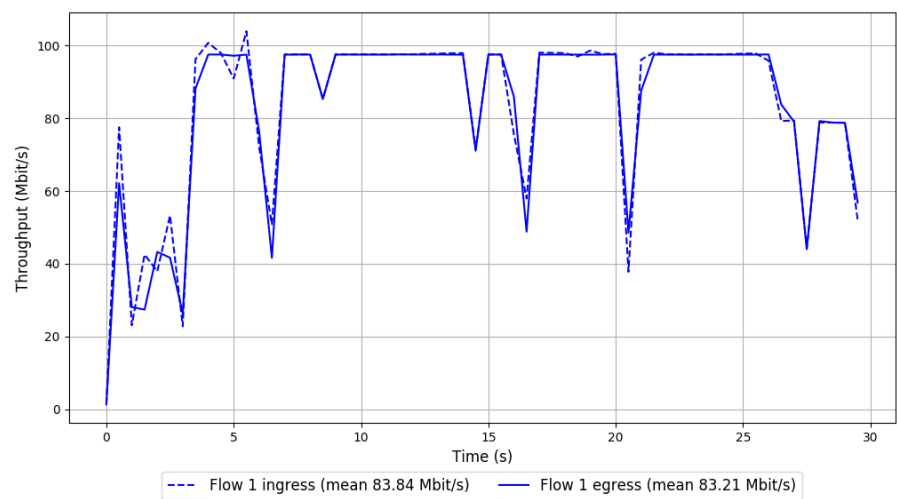
-- Flow 1:

Average throughput: 83.21 Mbit/s

95th percentile per-packet one-way delay: 66.187 ms

Loss rate: 0.74%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-04-24 10:28:45

End at: 2018-04-24 10:29:15

Local clock offset: -0.647 ms

Remote clock offset: -1.723 ms

Below is generated by plot.py at 2018-04-24 13:20:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.57 Mbit/s

95th percentile per-packet one-way delay: 31.226 ms

Loss rate: 0.00%

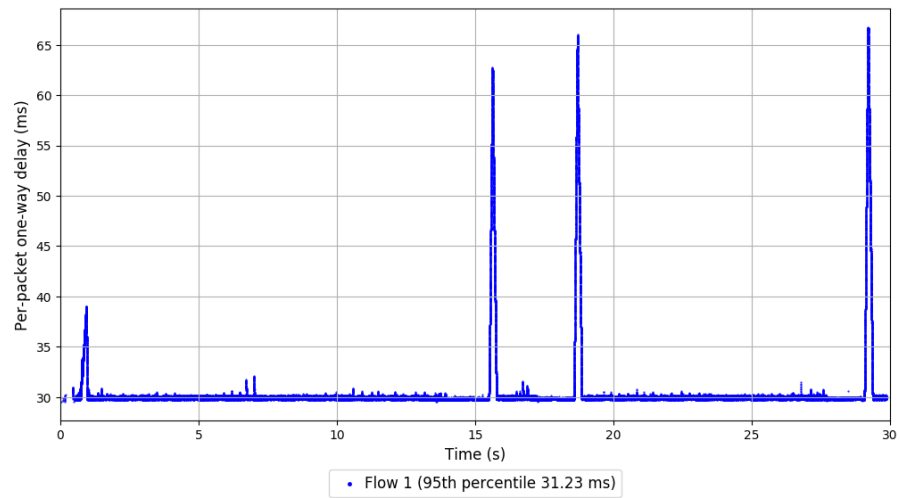
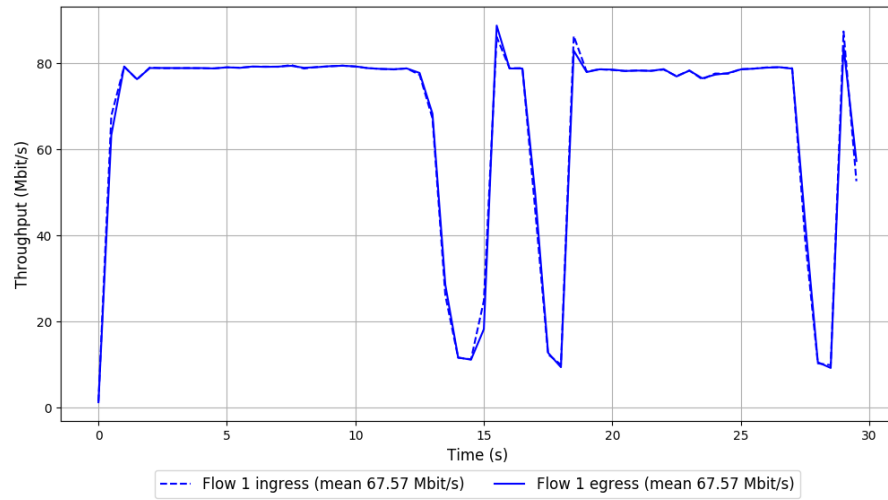
-- Flow 1:

Average throughput: 67.57 Mbit/s

95th percentile per-packet one-way delay: 31.226 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-04-24 10:52:15

End at: 2018-04-24 10:52:45

Local clock offset: -0.561 ms

Remote clock offset: -1.582 ms

Below is generated by plot.py at 2018-04-24 13:20:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.93 Mbit/s

95th percentile per-packet one-way delay: 40.944 ms

Loss rate: 0.58%

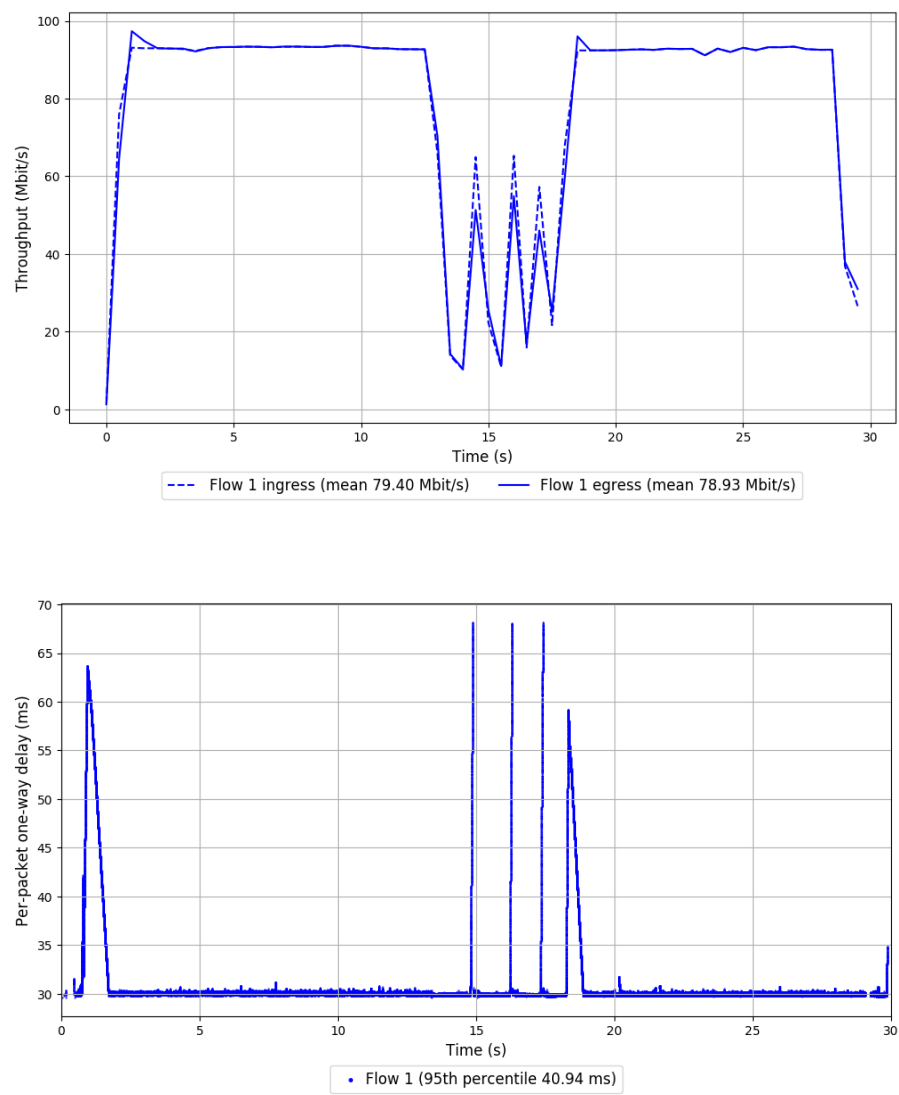
-- Flow 1:

Average throughput: 78.93 Mbit/s

95th percentile per-packet one-way delay: 40.944 ms

Loss rate: 0.58%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-04-24 11:15:02

End at: 2018-04-24 11:15:32

Local clock offset: -0.569 ms

Remote clock offset: -2.427 ms

Below is generated by plot.py at 2018-04-24 13:20:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.27 Mbit/s

95th percentile per-packet one-way delay: 31.097 ms

Loss rate: 0.22%

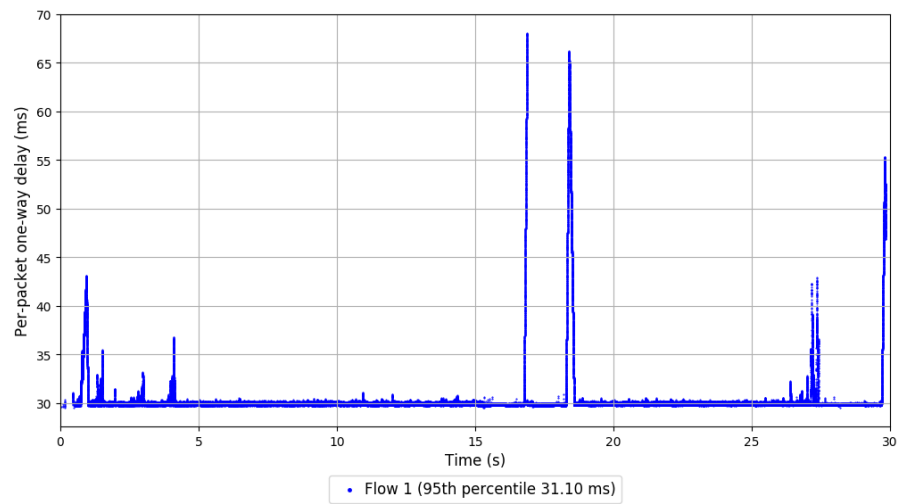
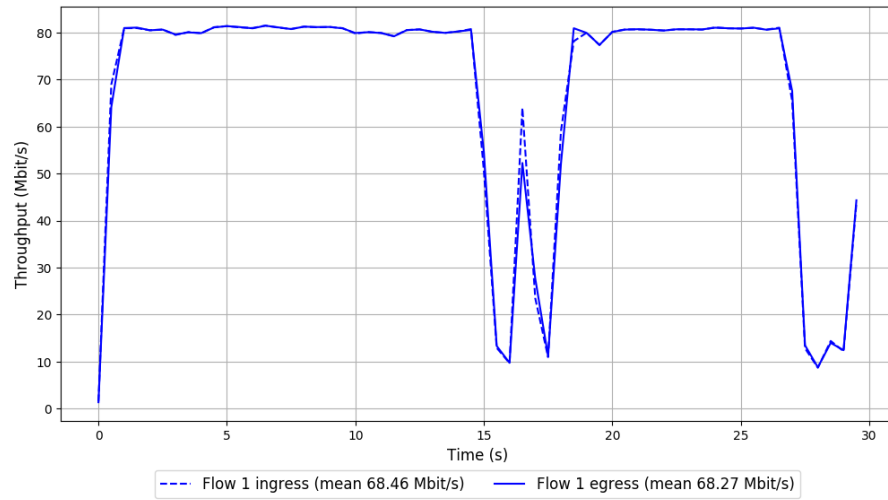
-- Flow 1:

Average throughput: 68.27 Mbit/s

95th percentile per-packet one-way delay: 31.097 ms

Loss rate: 0.22%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-04-24 11:37:49

End at: 2018-04-24 11:38:19

Local clock offset: -0.531 ms

Remote clock offset: -3.51 ms

Below is generated by plot.py at 2018-04-24 13:20:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.94 Mbit/s

95th percentile per-packet one-way delay: 30.937 ms

Loss rate: 0.04%

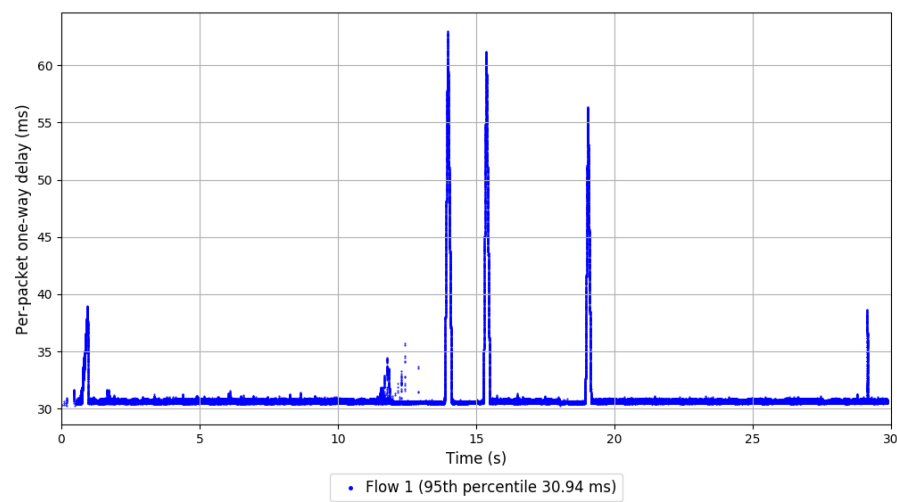
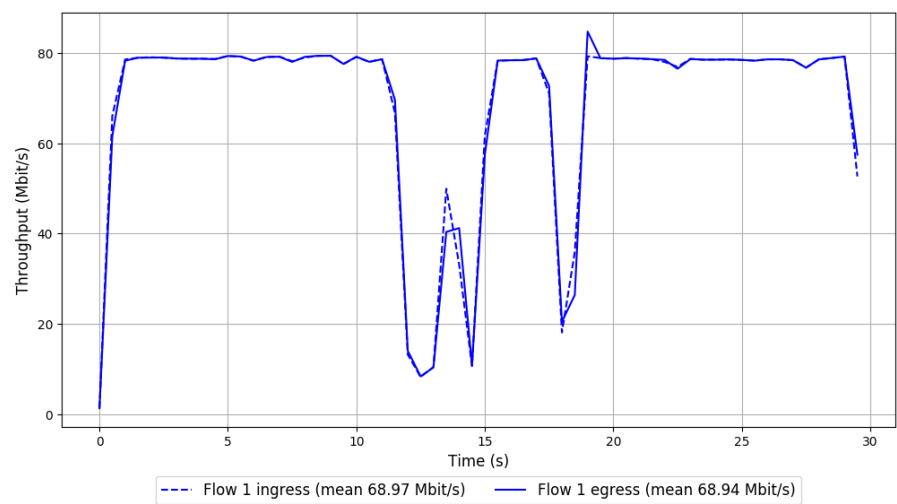
-- Flow 1:

Average throughput: 68.94 Mbit/s

95th percentile per-packet one-way delay: 30.937 ms

Loss rate: 0.04%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-04-24 12:00:38

End at: 2018-04-24 12:01:08

Local clock offset: -0.529 ms

Remote clock offset: -3.788 ms

Below is generated by plot.py at 2018-04-24 13:21:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.45 Mbit/s

95th percentile per-packet one-way delay: 62.202 ms

Loss rate: 0.70%

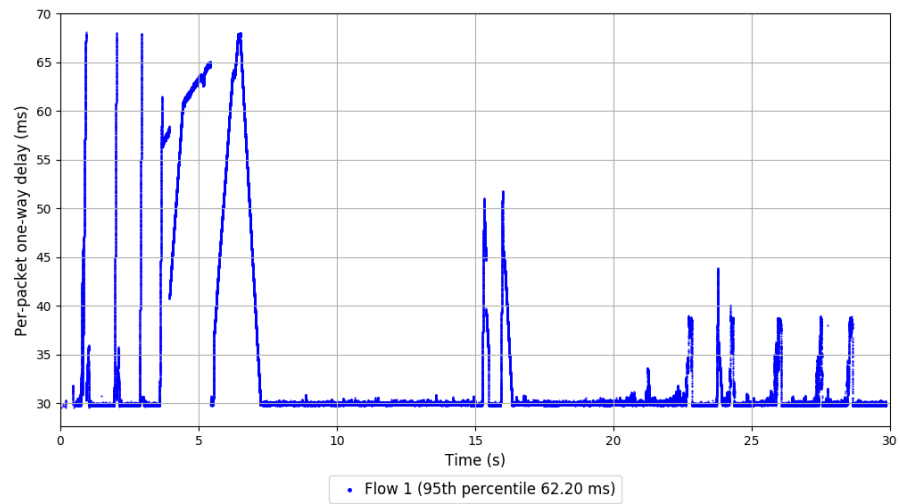
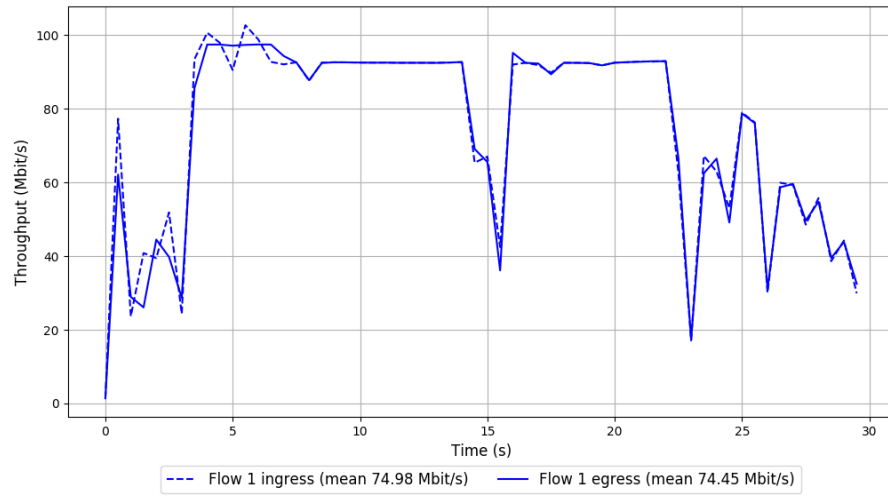
-- Flow 1:

Average throughput: 74.45 Mbit/s

95th percentile per-packet one-way delay: 62.202 ms

Loss rate: 0.70%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-04-24 12:23:39

End at: 2018-04-24 12:24:09

Local clock offset: -0.491 ms

Remote clock offset: -2.694 ms

Below is generated by plot.py at 2018-04-24 13:21:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.37 Mbit/s

95th percentile per-packet one-way delay: 67.791 ms

Loss rate: 0.74%

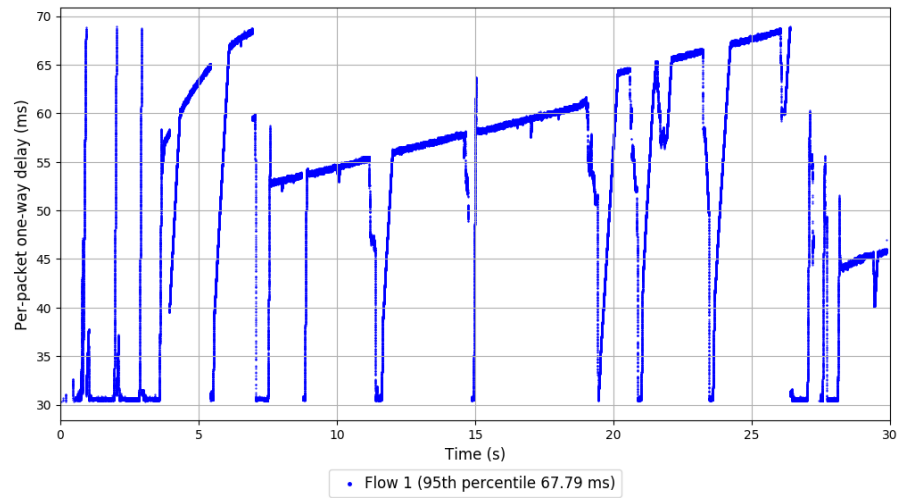
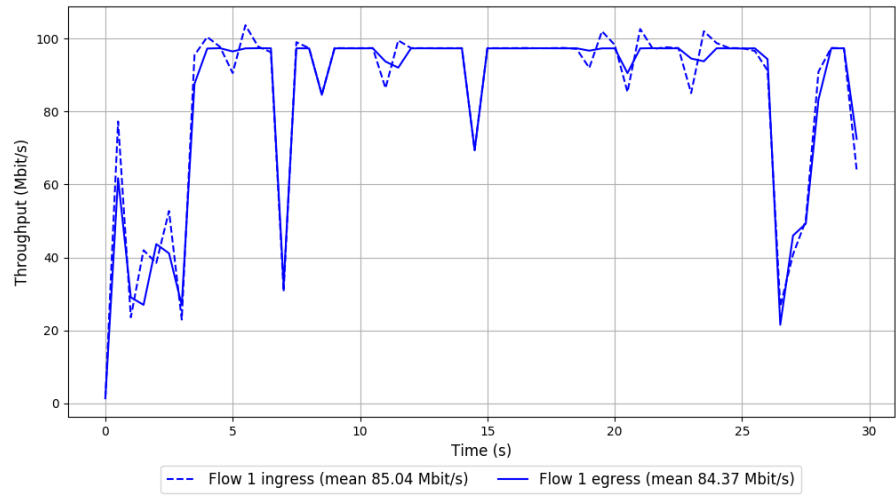
-- Flow 1:

Average throughput: 84.37 Mbit/s

95th percentile per-packet one-way delay: 67.791 ms

Loss rate: 0.74%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-04-24 12:46:34

End at: 2018-04-24 12:47:04

Local clock offset: -0.443 ms

Remote clock offset: -2.343 ms

Below is generated by plot.py at 2018-04-24 13:21:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.20 Mbit/s

95th percentile per-packet one-way delay: 32.322 ms

Loss rate: 0.02%

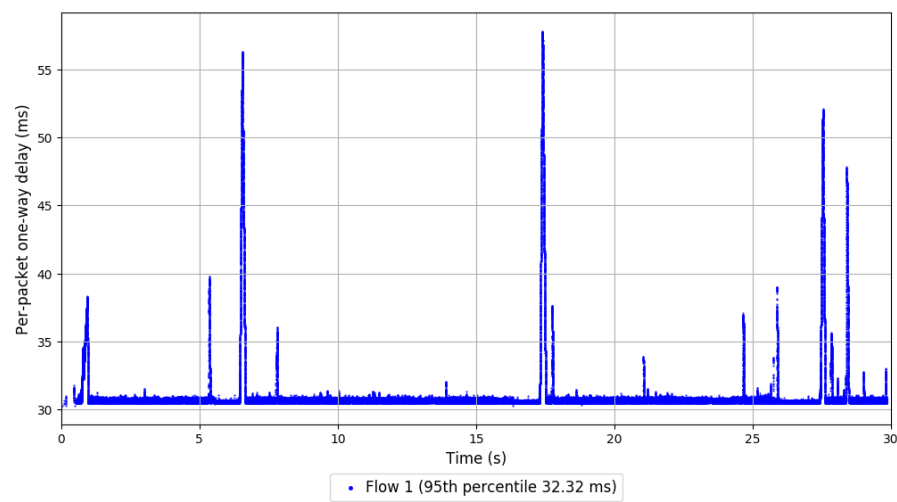
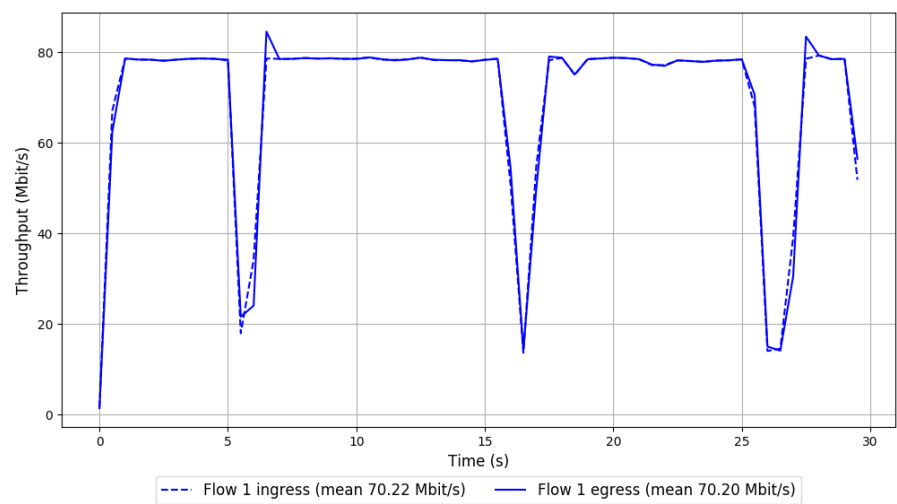
-- Flow 1:

Average throughput: 70.20 Mbit/s

95th percentile per-packet one-way delay: 32.322 ms

Loss rate: 0.02%

Run 10: Report of QUIC Cubic — Data Link

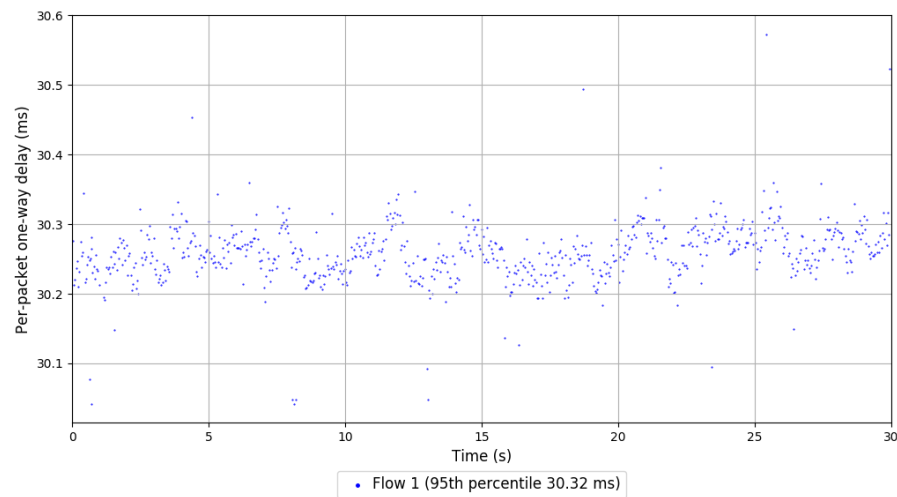
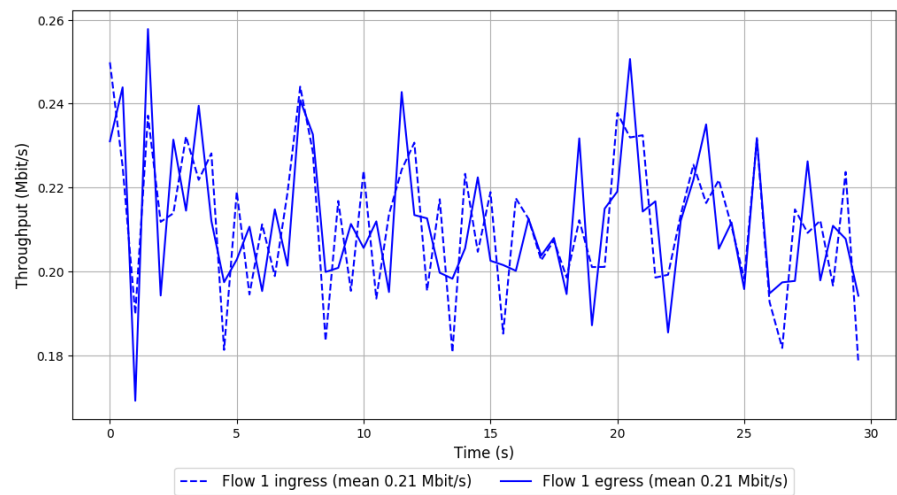


Run 1: Statistics of SCReAM

Start at: 2018-04-24 09:15:44
End at: 2018-04-24 09:16:14
Local clock offset: -0.298 ms
Remote clock offset: -1.902 ms

Below is generated by plot.py at 2018-04-24 13:21:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.315 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.315 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

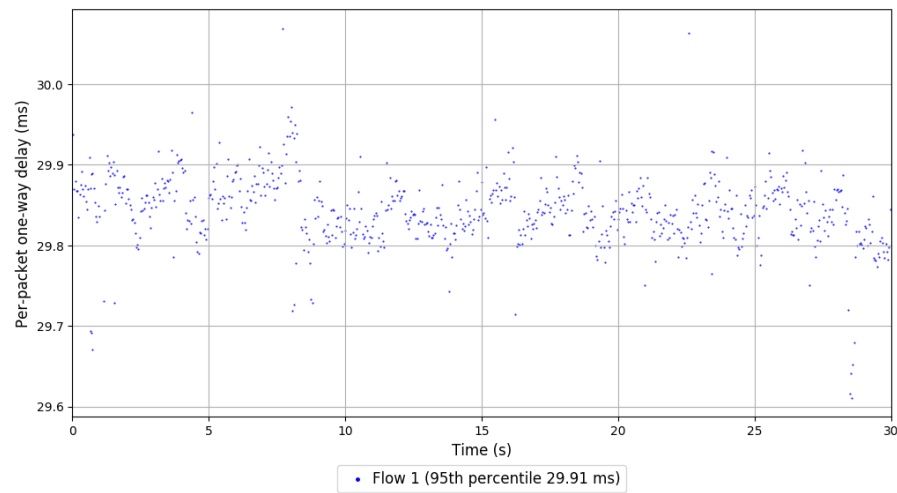
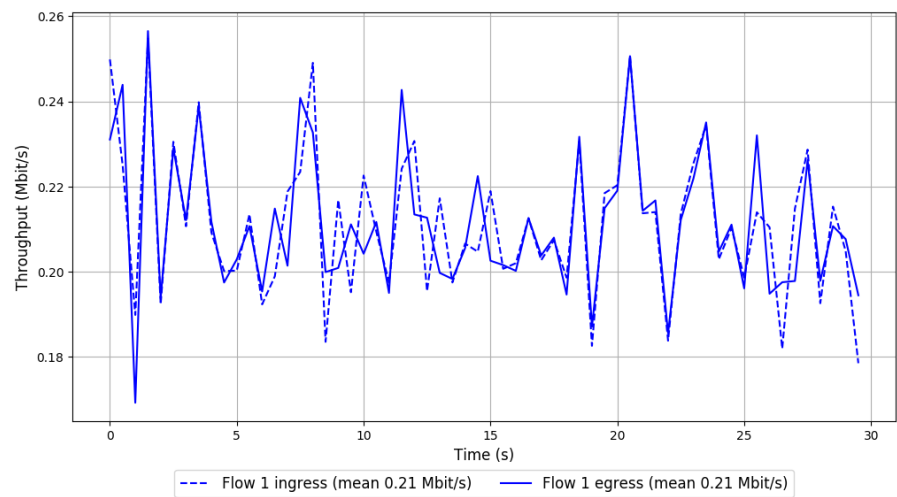


Run 2: Statistics of SCReAM

Start at: 2018-04-24 09:38:51
End at: 2018-04-24 09:39:21
Local clock offset: -0.407 ms
Remote clock offset: -1.744 ms

Below is generated by plot.py at 2018-04-24 13:21:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 29.905 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 29.905 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

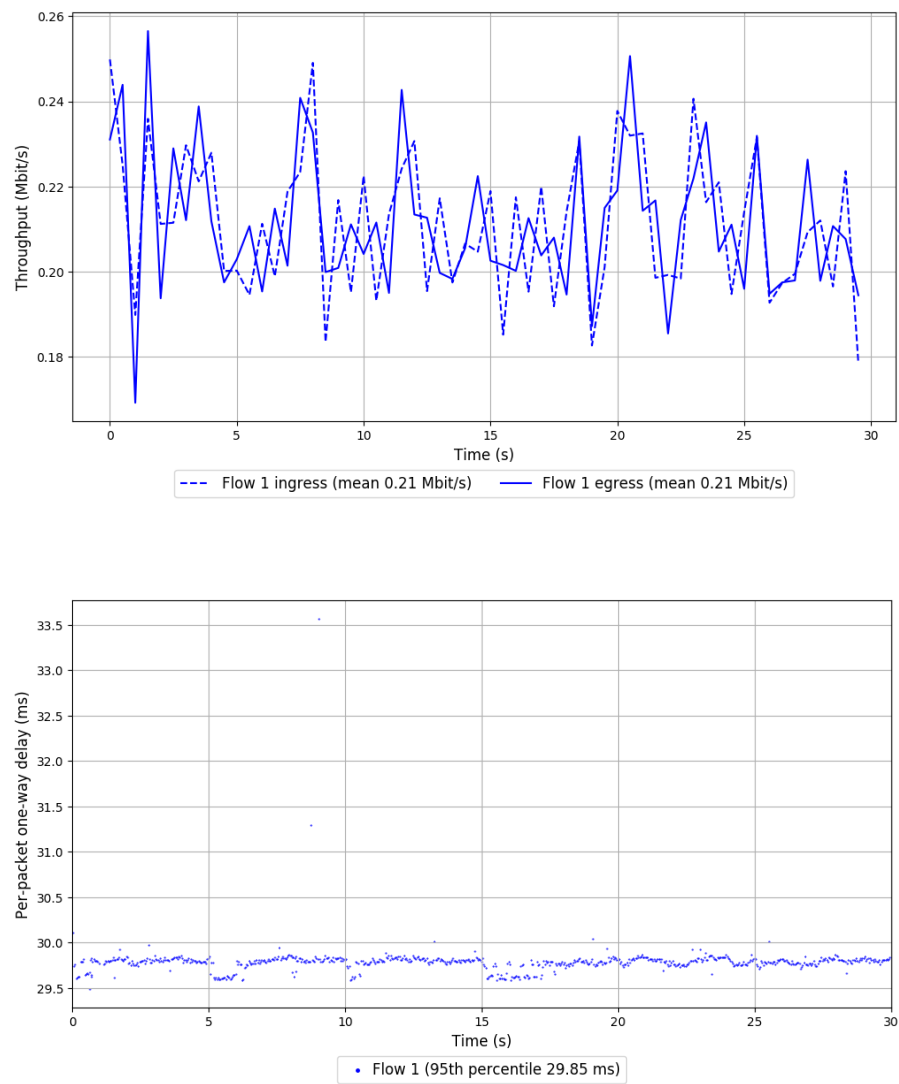


Run 3: Statistics of SCReAM

Start at: 2018-04-24 10:01:35
End at: 2018-04-24 10:02:05
Local clock offset: -0.888 ms
Remote clock offset: -1.835 ms

Below is generated by plot.py at 2018-04-24 13:21:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 29.849 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 29.849 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

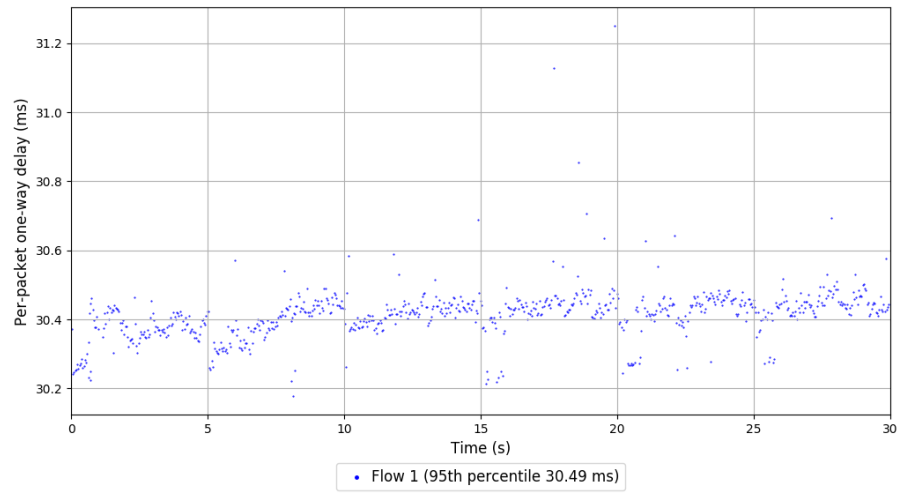
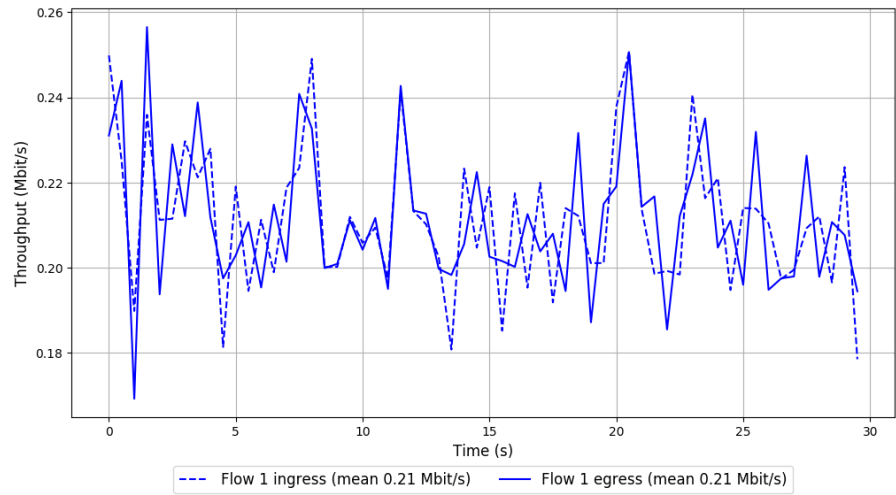


Run 4: Statistics of SCReAM

Start at: 2018-04-24 10:24:44
End at: 2018-04-24 10:25:14
Local clock offset: -0.7 ms
Remote clock offset: -1.206 ms

Below is generated by plot.py at 2018-04-24 13:21:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.487 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.487 ms
Loss rate: 0.00%

Run 4: Report of SCRaM — Data Link

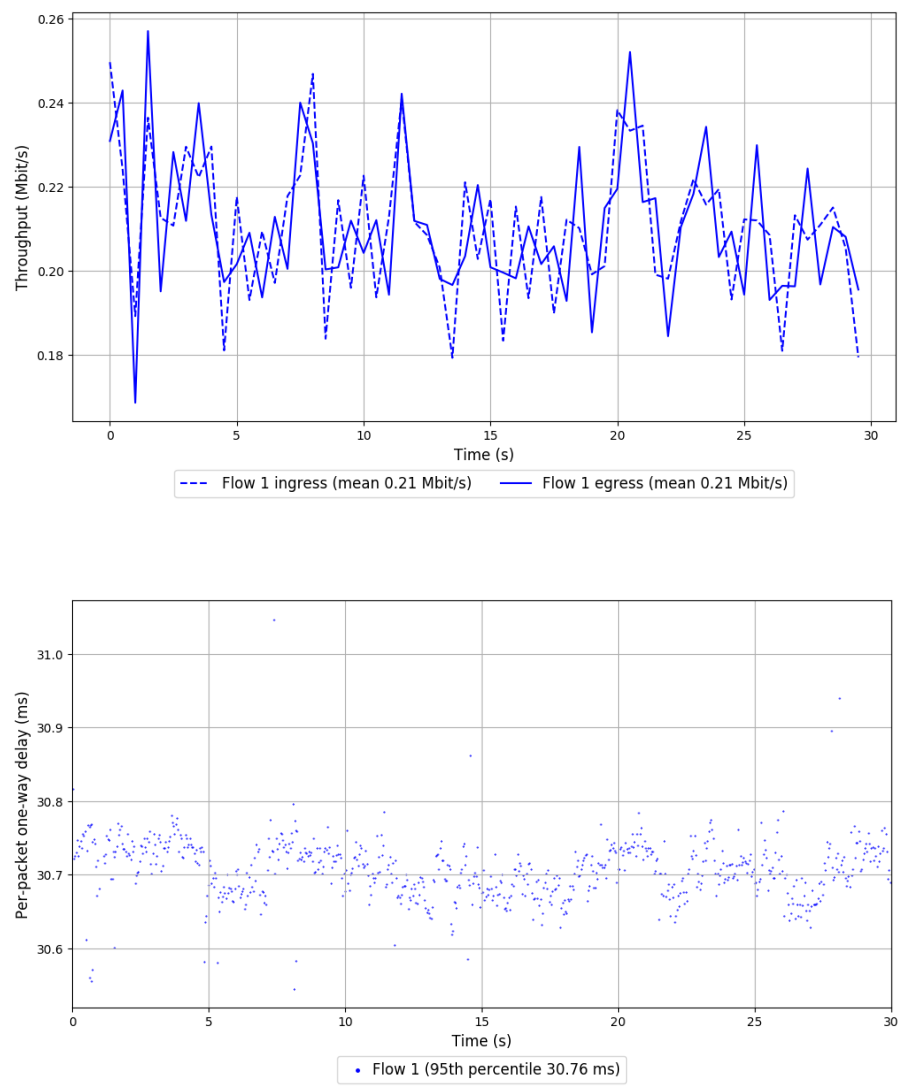


Run 5: Statistics of SCReAM

Start at: 2018-04-24 10:48:19
End at: 2018-04-24 10:48:49
Local clock offset: -0.557 ms
Remote clock offset: -1.608 ms

Below is generated by plot.py at 2018-04-24 13:21:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.760 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.760 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

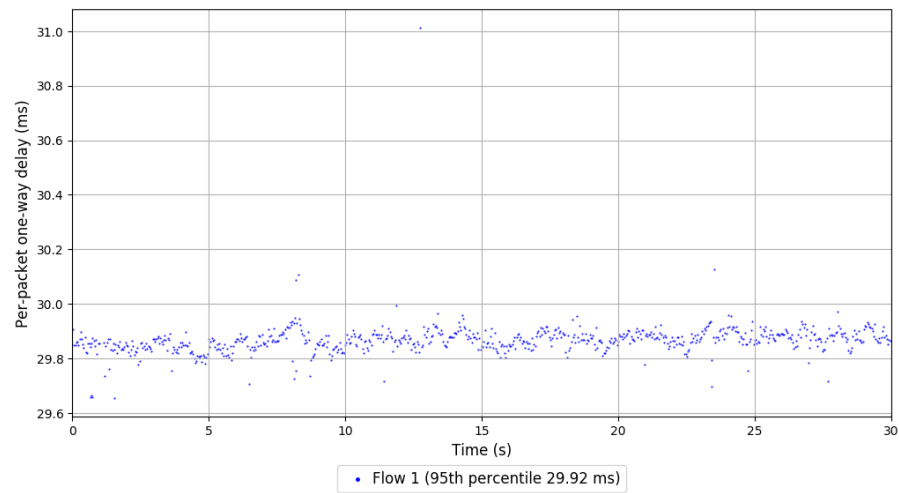
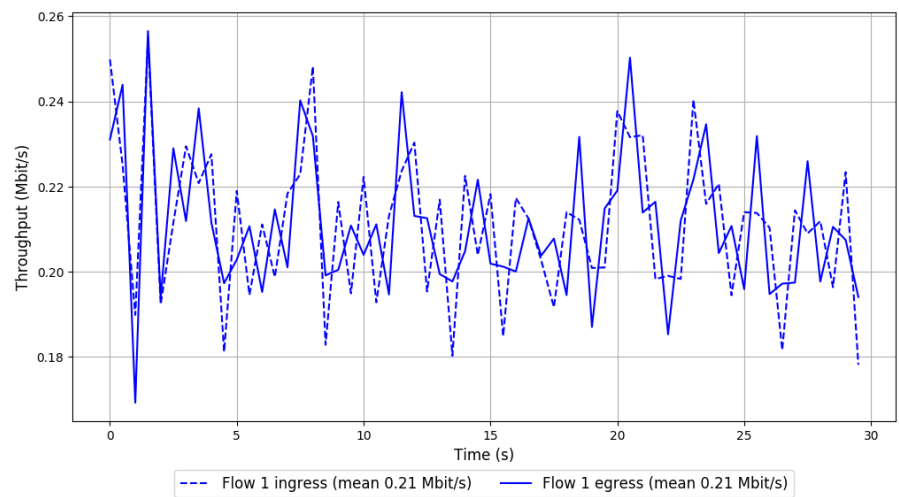


Run 6: Statistics of SCReAM

Start at: 2018-04-24 11:11:05
End at: 2018-04-24 11:11:35
Local clock offset: -0.626 ms
Remote clock offset: -2.066 ms

Below is generated by plot.py at 2018-04-24 13:21:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 29.920 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 29.920 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

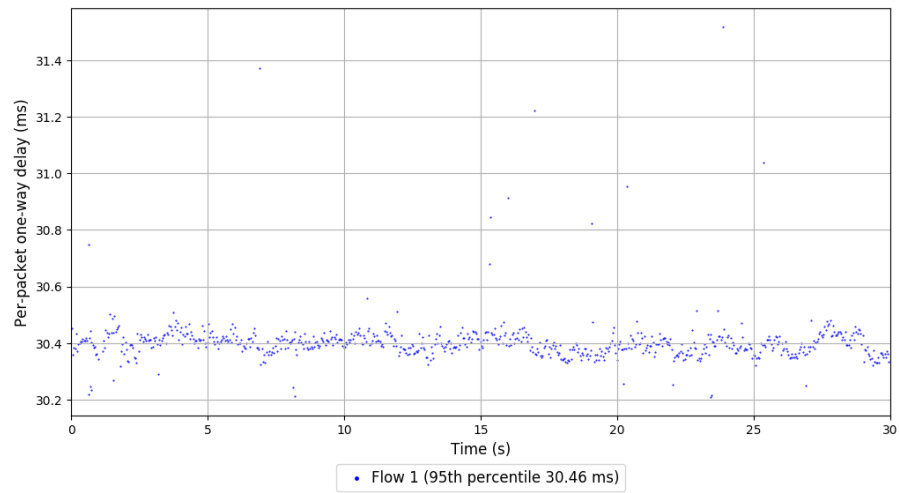
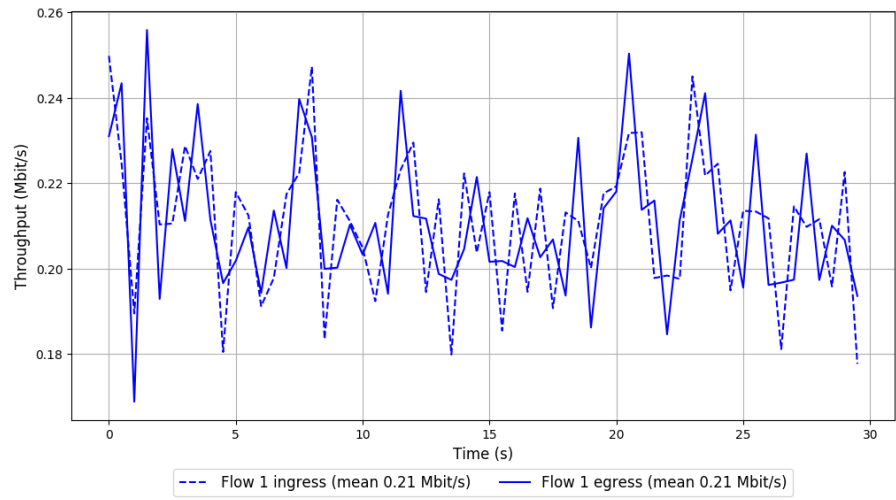


Run 7: Statistics of SCReAM

Start at: 2018-04-24 11:33:51
End at: 2018-04-24 11:34:21
Local clock offset: -0.51 ms
Remote clock offset: -2.808 ms

Below is generated by plot.py at 2018-04-24 13:21:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.459 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.459 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-04-24 11:56:42

End at: 2018-04-24 11:57:12

Local clock offset: -0.516 ms

Remote clock offset: -3.3 ms

Below is generated by plot.py at 2018-04-24 13:21:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.274 ms

Loss rate: 0.00%

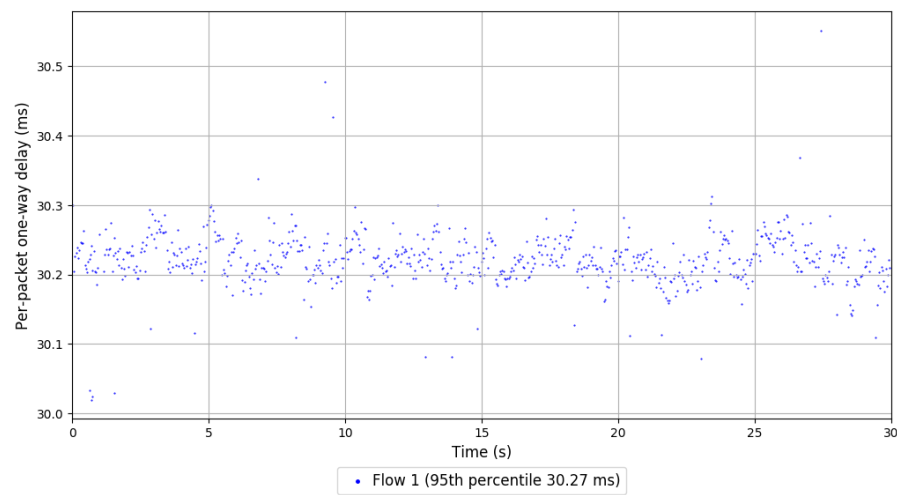
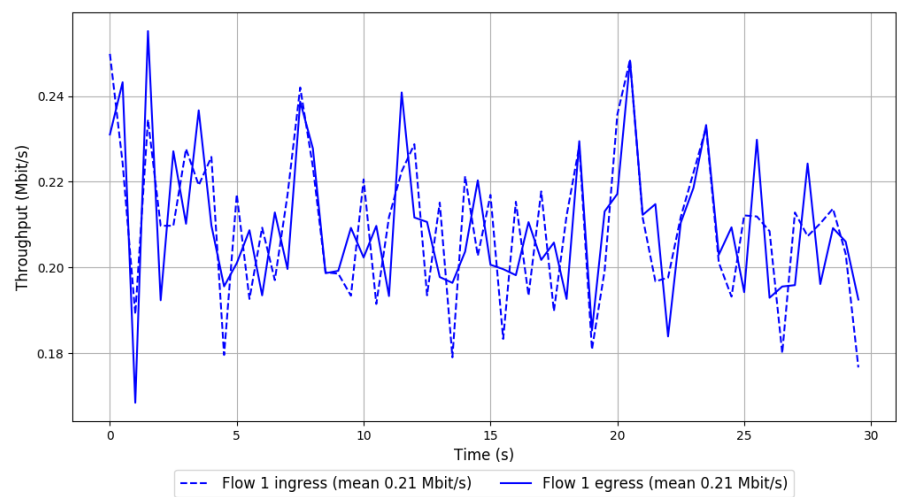
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.274 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

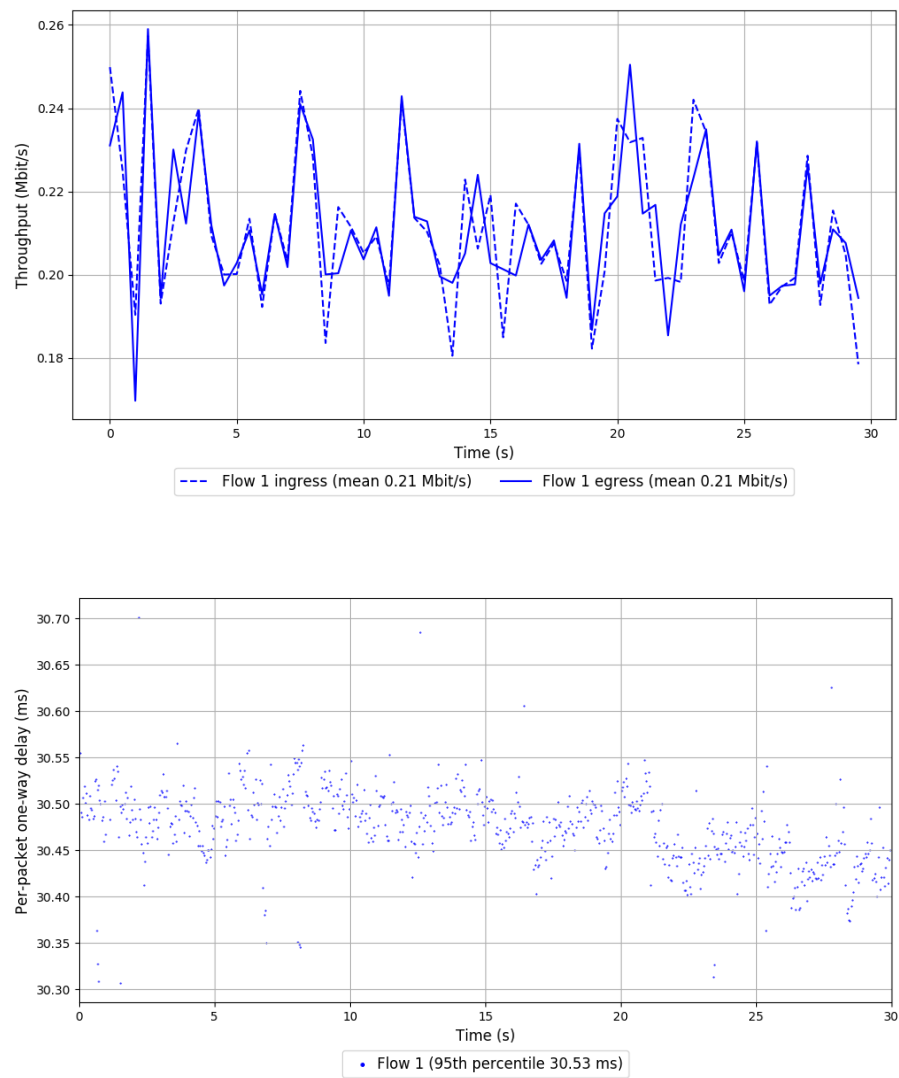


Run 9: Statistics of SReAM

Start at: 2018-04-24 12:19:29
End at: 2018-04-24 12:19:59
Local clock offset: -0.392 ms
Remote clock offset: -2.983 ms

Below is generated by plot.py at 2018-04-24 13:21:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.532 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.532 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

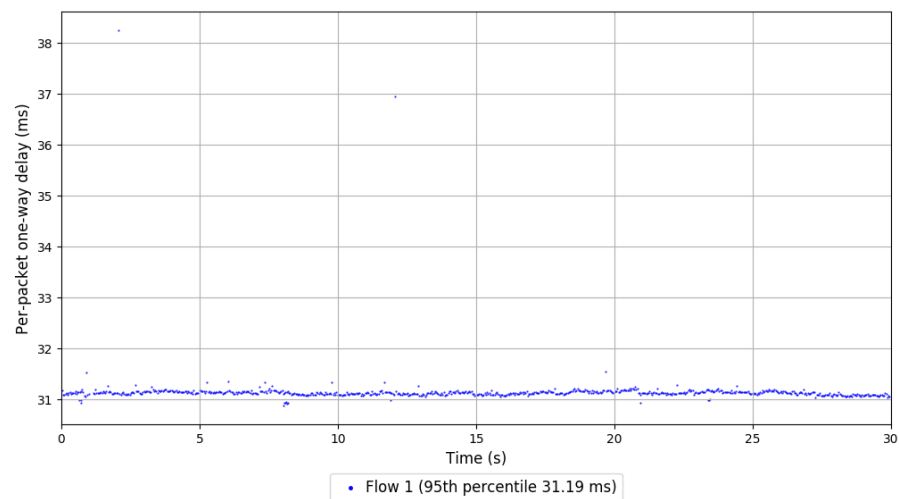
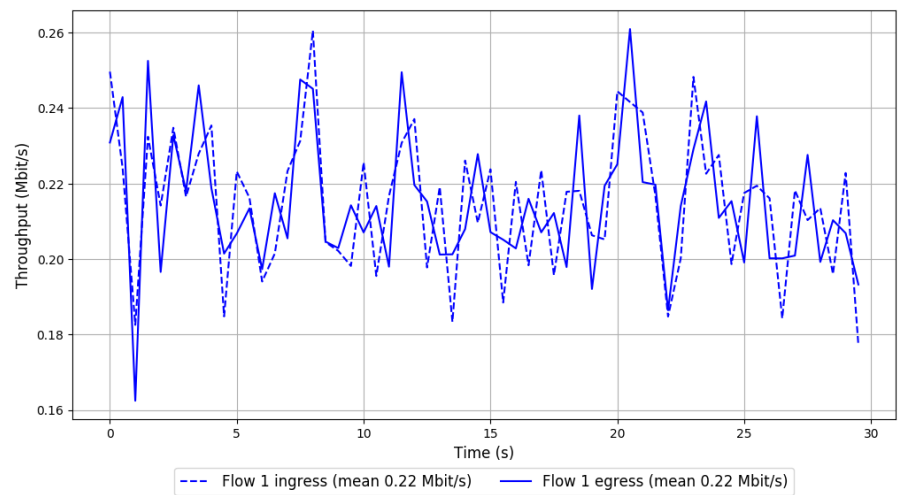


Run 10: Statistics of SReAM

Start at: 2018-04-24 12:42:40
End at: 2018-04-24 12:43:10
Local clock offset: -0.465 ms
Remote clock offset: -1.827 ms

Below is generated by plot.py at 2018-04-24 13:21:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.187 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.187 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

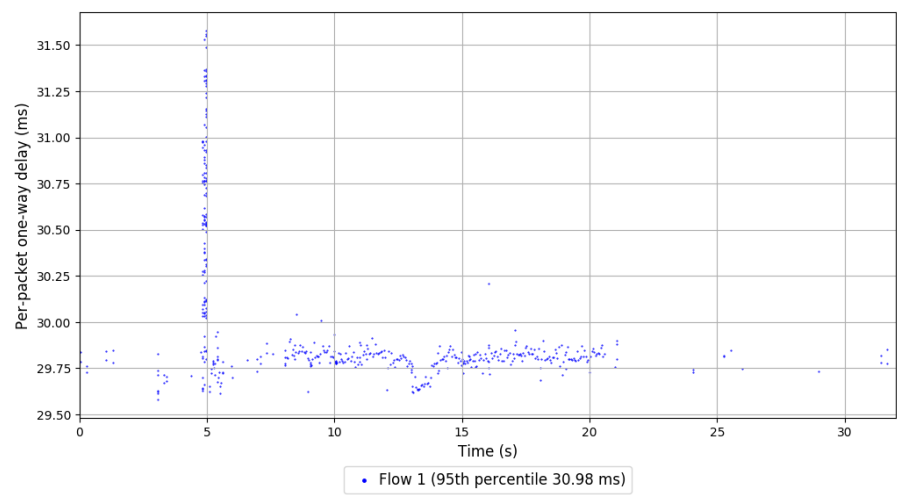
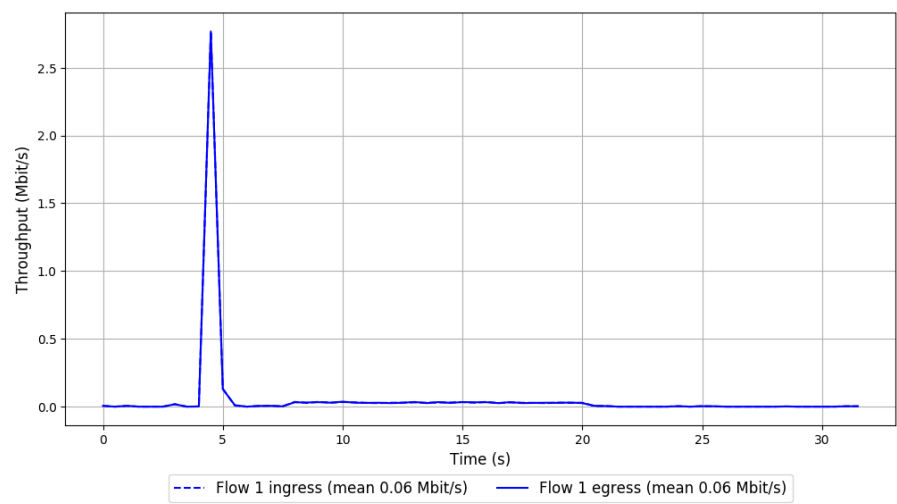


Run 1: Statistics of WebRTC media

Start at: 2018-04-24 09:05:59
End at: 2018-04-24 09:06:29
Local clock offset: -0.517 ms
Remote clock offset: -2.349 ms

Below is generated by plot.py at 2018-04-24 13:21:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 30.979 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 30.979 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

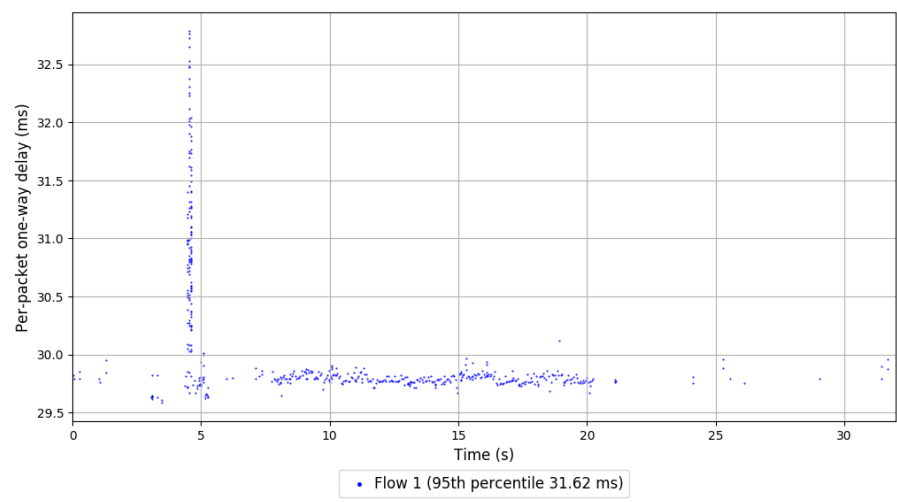
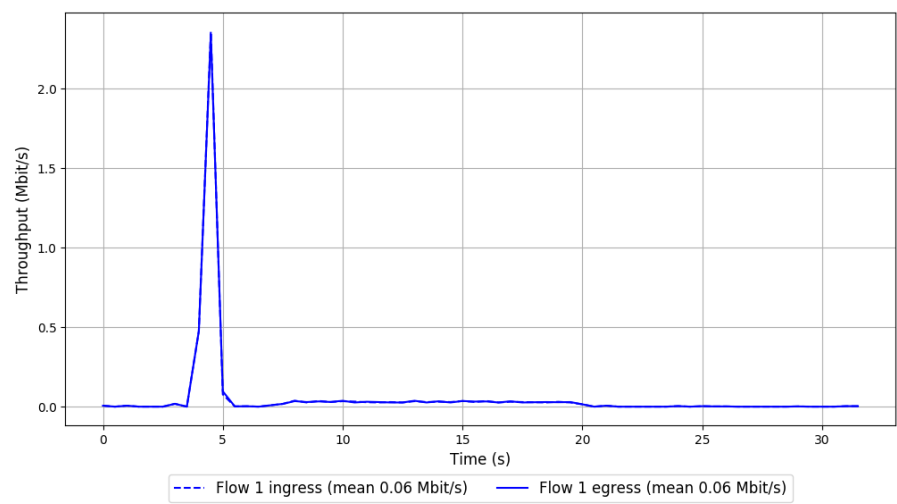


Run 2: Statistics of WebRTC media

Start at: 2018-04-24 09:29:23
End at: 2018-04-24 09:29:53
Local clock offset: -0.363 ms
Remote clock offset: -2.069 ms

Below is generated by plot.py at 2018-04-24 13:21:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 31.624 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 31.624 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

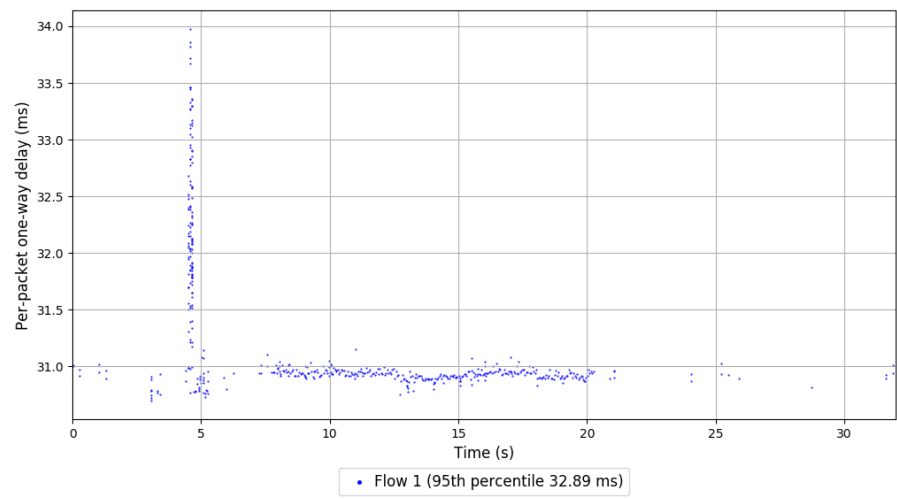
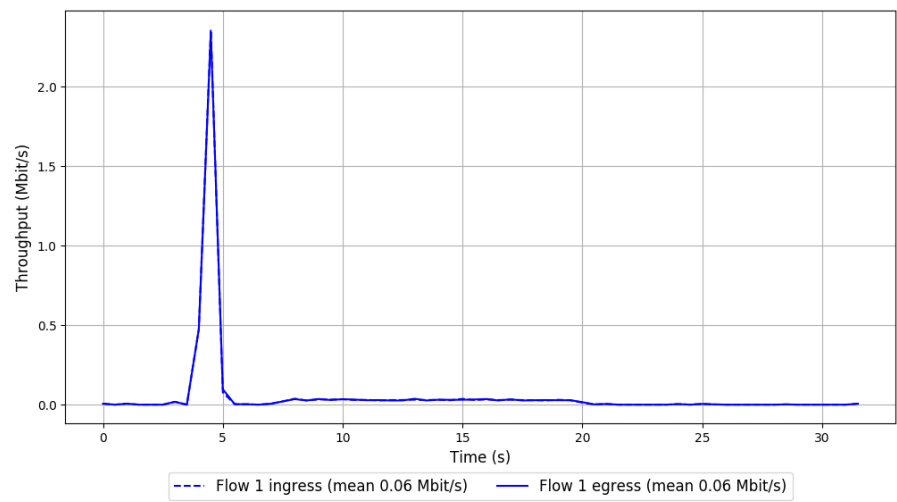


Run 3: Statistics of WebRTC media

Start at: 2018-04-24 09:52:11
End at: 2018-04-24 09:52:41
Local clock offset: -0.813 ms
Remote clock offset: -1.279 ms

Below is generated by plot.py at 2018-04-24 13:21:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 32.894 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 32.894 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

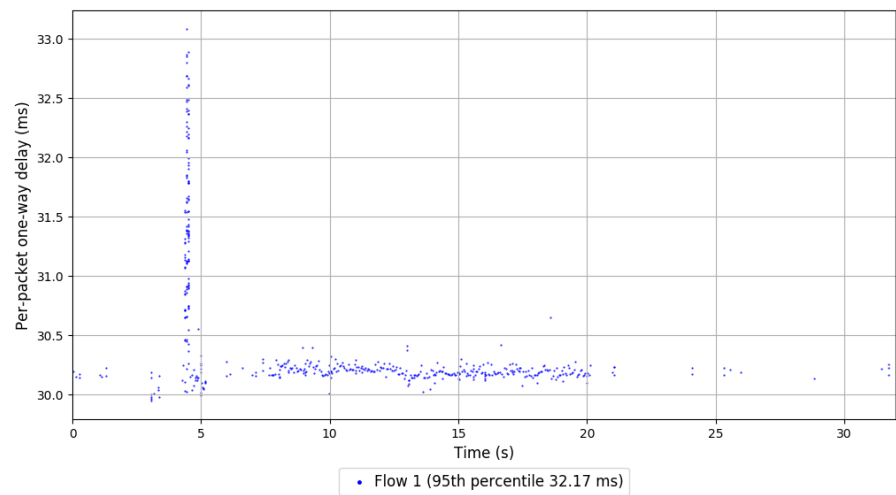
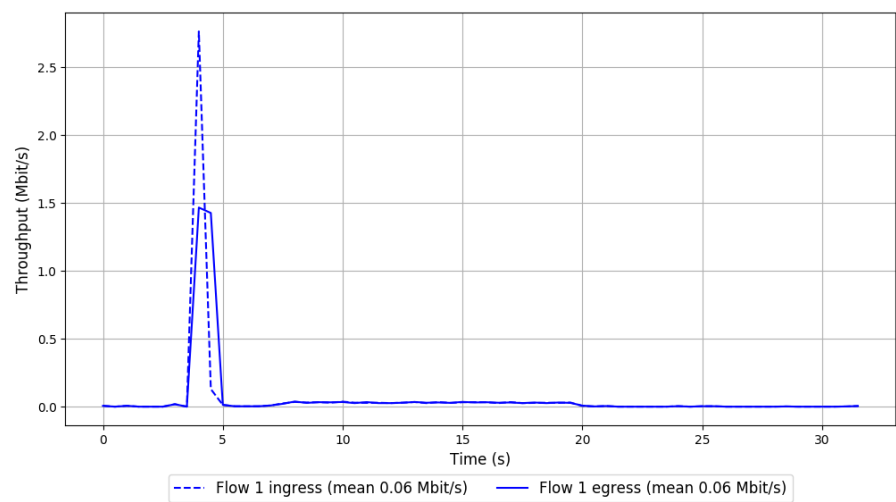


Run 4: Statistics of WebRTC media

Start at: 2018-04-24 10:15:05
End at: 2018-04-24 10:15:35
Local clock offset: -0.837 ms
Remote clock offset: -1.253 ms

Below is generated by plot.py at 2018-04-24 13:21:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 32.166 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 32.166 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

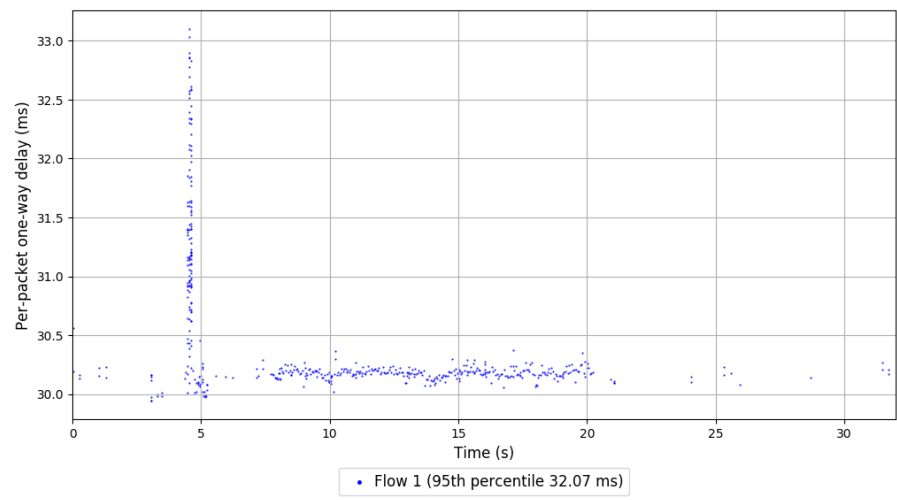
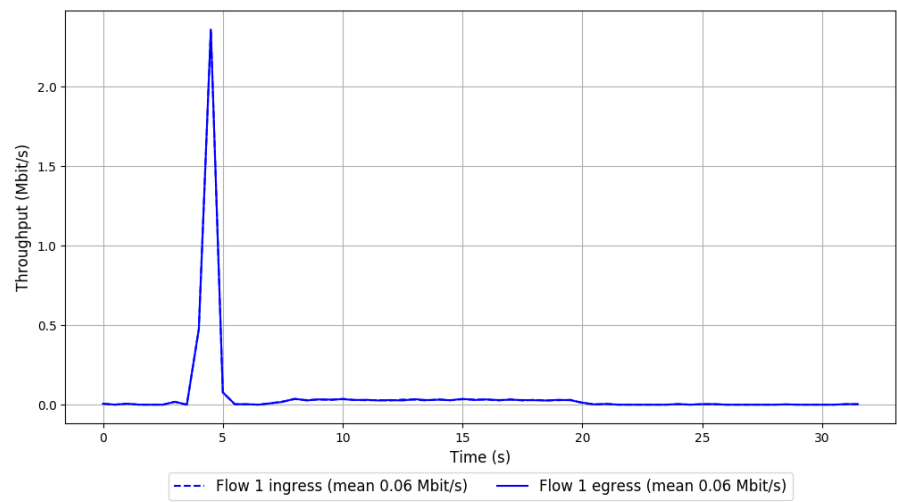


Run 5: Statistics of WebRTC media

Start at: 2018-04-24 10:38:39
End at: 2018-04-24 10:39:09
Local clock offset: -0.514 ms
Remote clock offset: -1.391 ms

Below is generated by plot.py at 2018-04-24 13:21:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 32.070 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 32.070 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

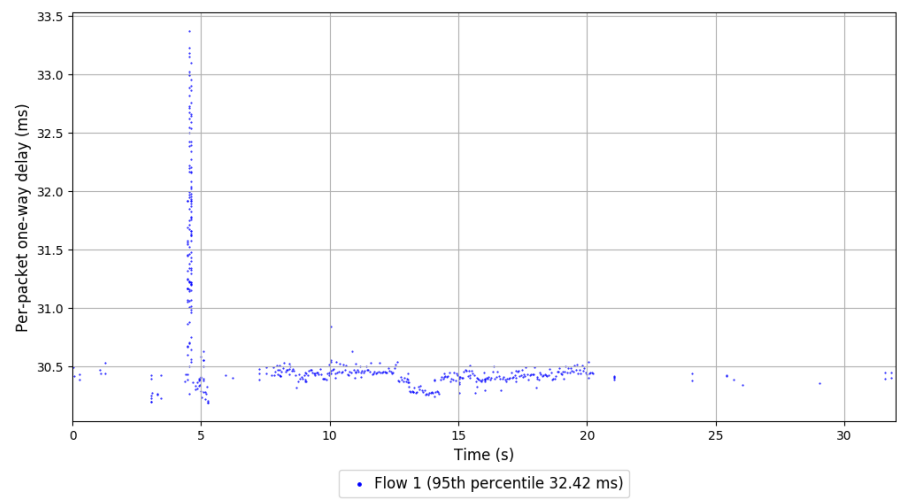
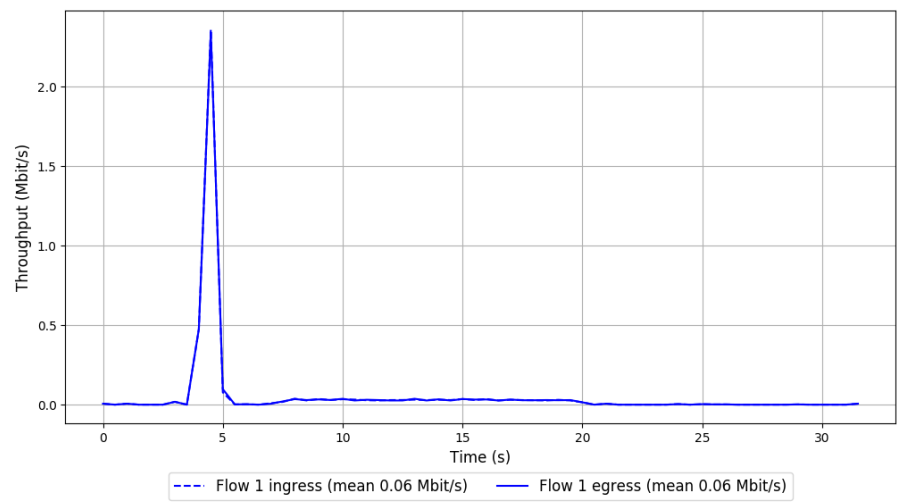


Run 6: Statistics of WebRTC media

Start at: 2018-04-24 11:01:42
End at: 2018-04-24 11:02:12
Local clock offset: -0.51 ms
Remote clock offset: -1.346 ms

Below is generated by plot.py at 2018-04-24 13:21:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 32.425 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 32.425 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

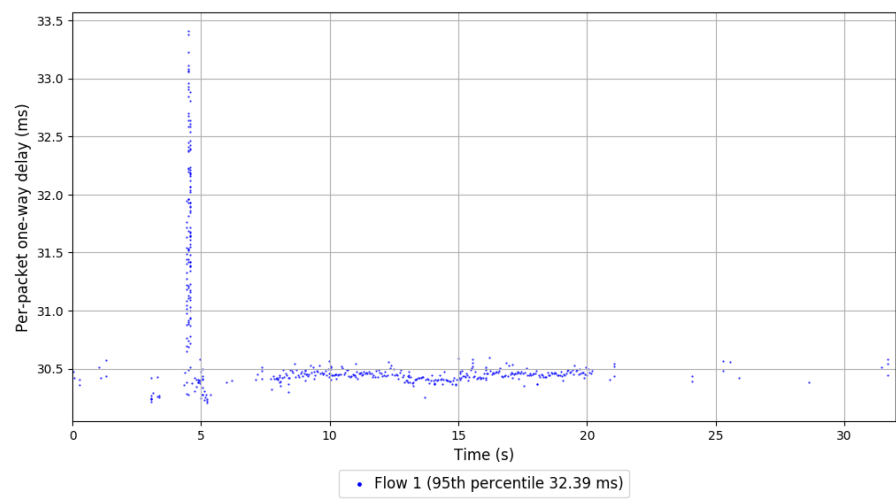
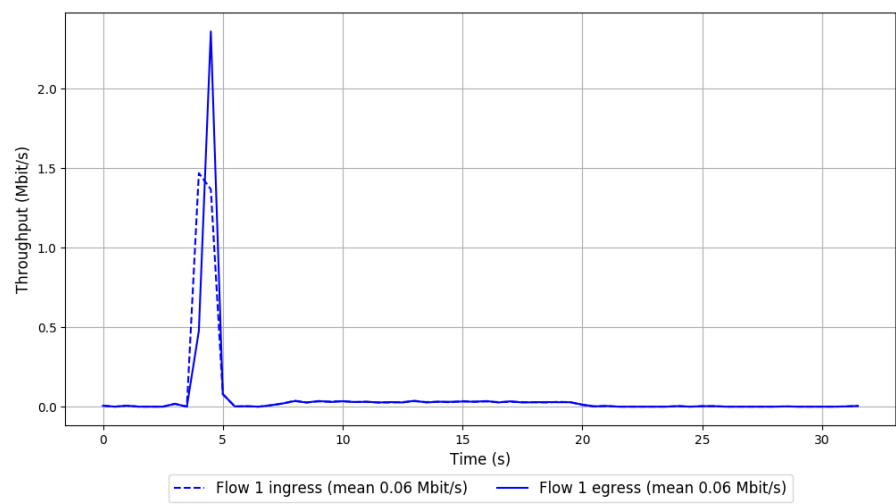


Run 7: Statistics of WebRTC media

Start at: 2018-04-24 11:24:26
End at: 2018-04-24 11:24:56
Local clock offset: -0.526 ms
Remote clock offset: -2.983 ms

Below is generated by plot.py at 2018-04-24 13:21:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 32.391 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 32.391 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

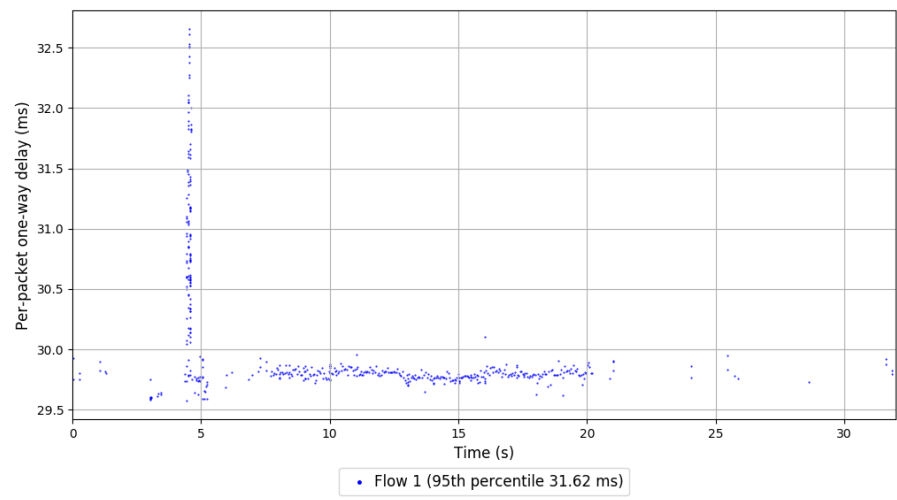
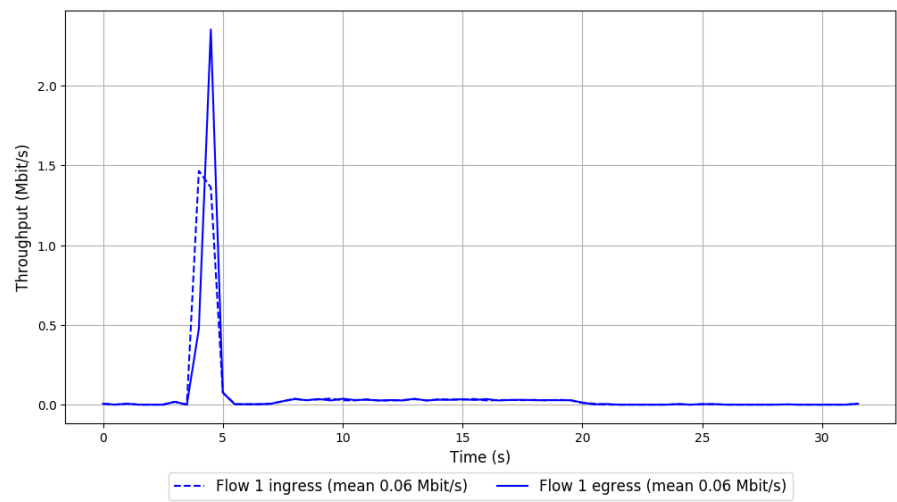


Run 8: Statistics of WebRTC media

Start at: 2018-04-24 11:47:13
End at: 2018-04-24 11:47:43
Local clock offset: -0.609 ms
Remote clock offset: -3.666 ms

Below is generated by plot.py at 2018-04-24 13:21:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 31.620 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 31.620 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

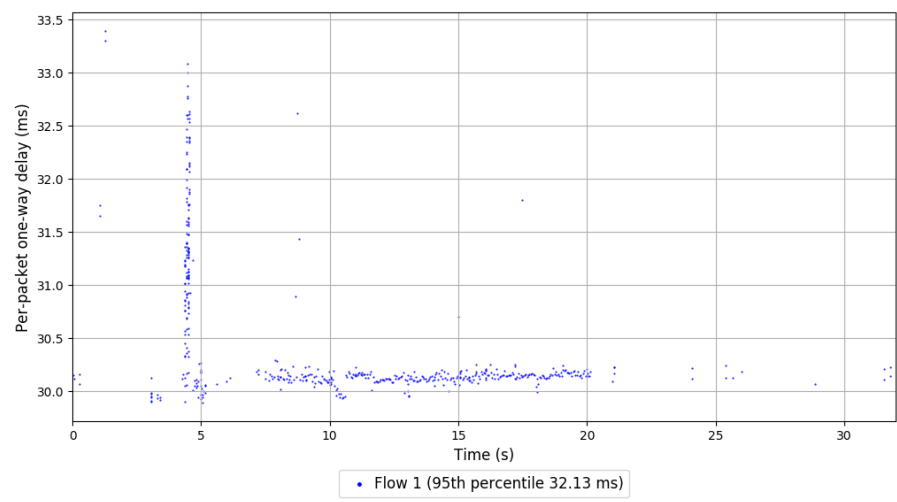
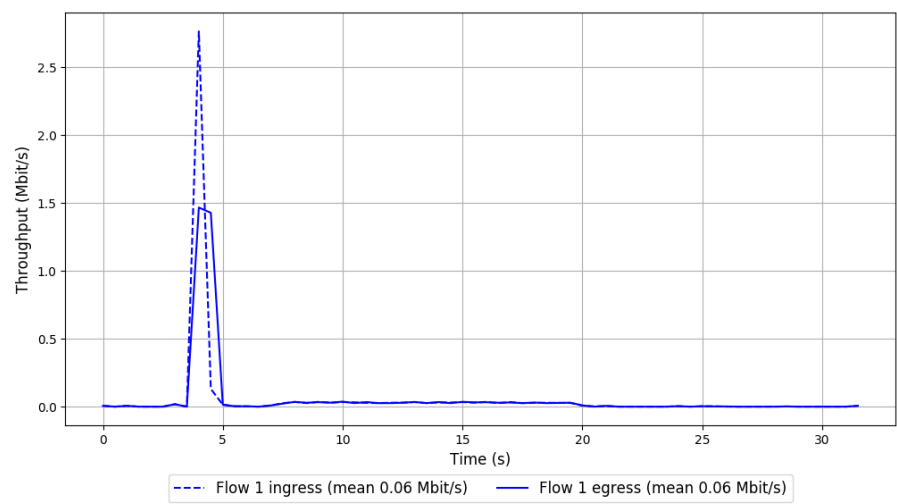


Run 9: Statistics of WebRTC media

Start at: 2018-04-24 12:10:03
End at: 2018-04-24 12:10:33
Local clock offset: -0.429 ms
Remote clock offset: -3.255 ms

Below is generated by plot.py at 2018-04-24 13:21:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 32.132 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 32.132 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-04-24 12:33:16

End at: 2018-04-24 12:33:46

Local clock offset: -0.471 ms

Remote clock offset: -2.4 ms

Below is generated by plot.py at 2018-04-24 13:21:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 32.370 ms

Loss rate: 0.00%

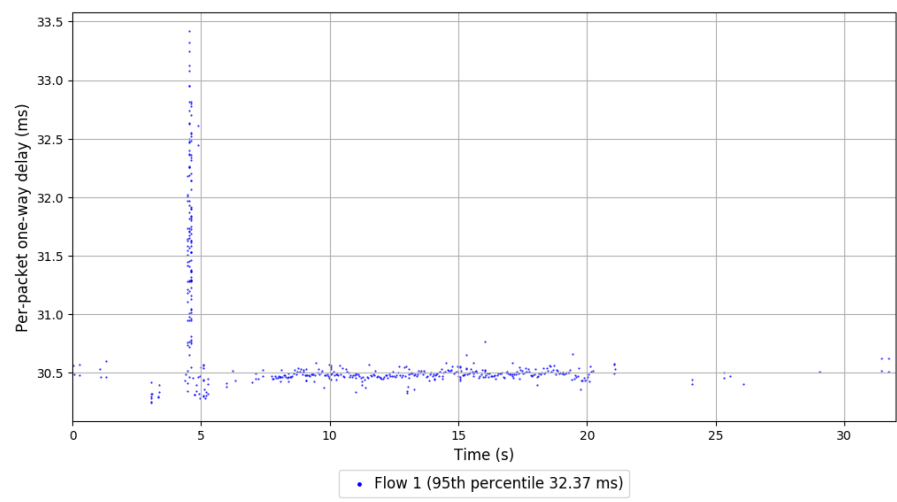
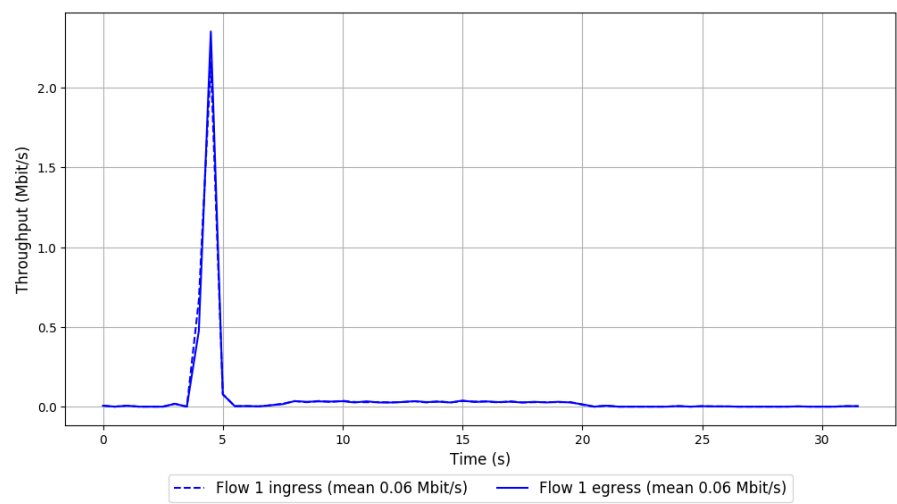
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 32.370 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

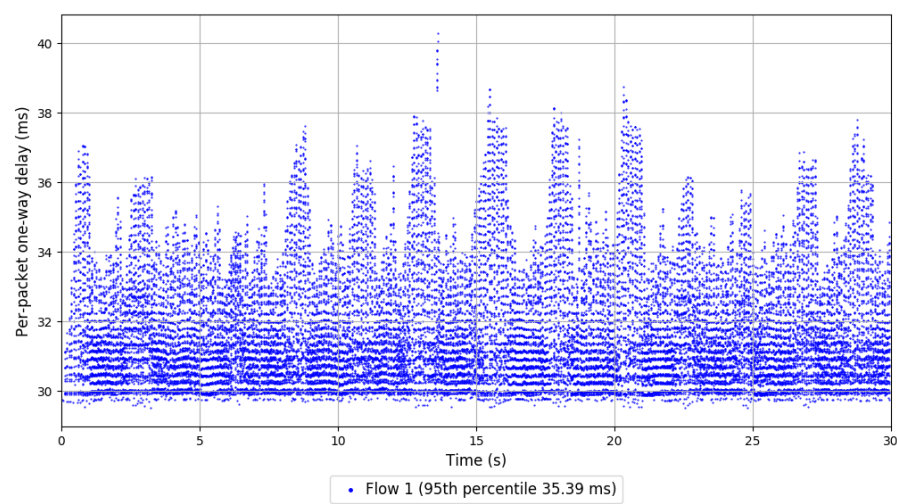
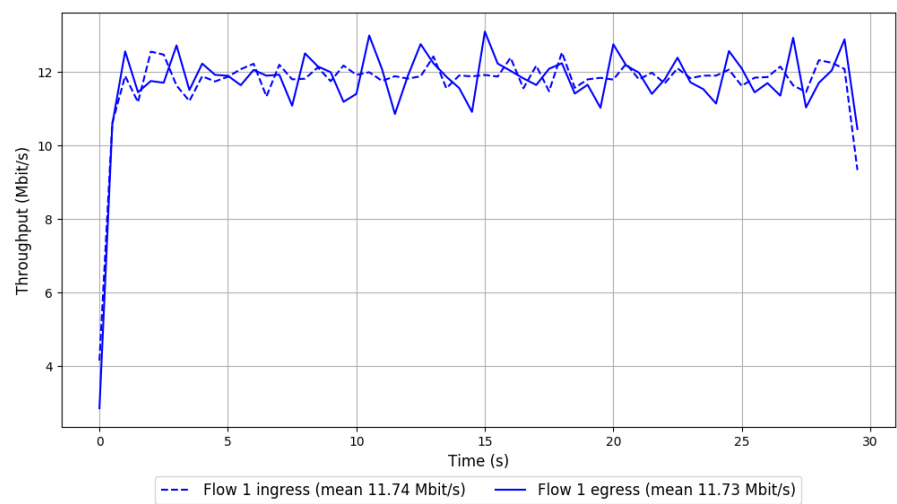


Run 1: Statistics of Sprout

Start at: 2018-04-24 09:22:23
End at: 2018-04-24 09:22:53
Local clock offset: -0.251 ms
Remote clock offset: -2.348 ms

Below is generated by plot.py at 2018-04-24 13:21:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.73 Mbit/s
95th percentile per-packet one-way delay: 35.394 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 11.73 Mbit/s
95th percentile per-packet one-way delay: 35.394 ms
Loss rate: 0.02%

Run 1: Report of Sprout — Data Link

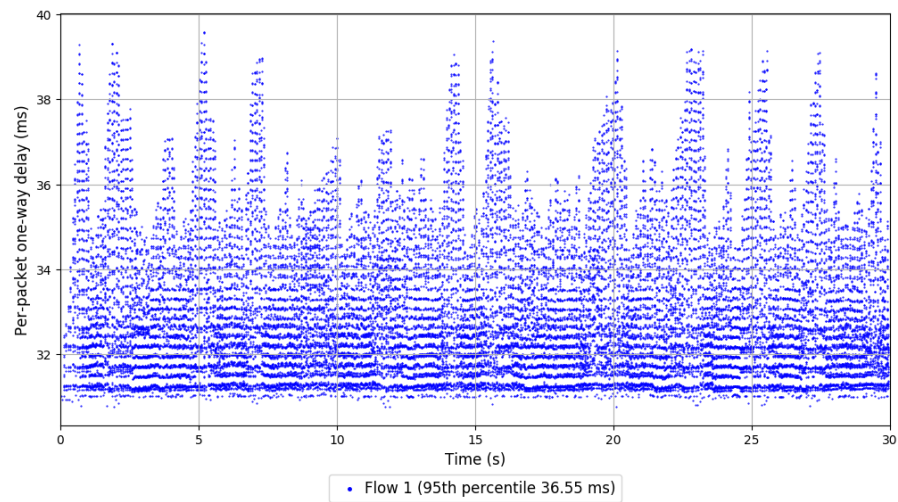
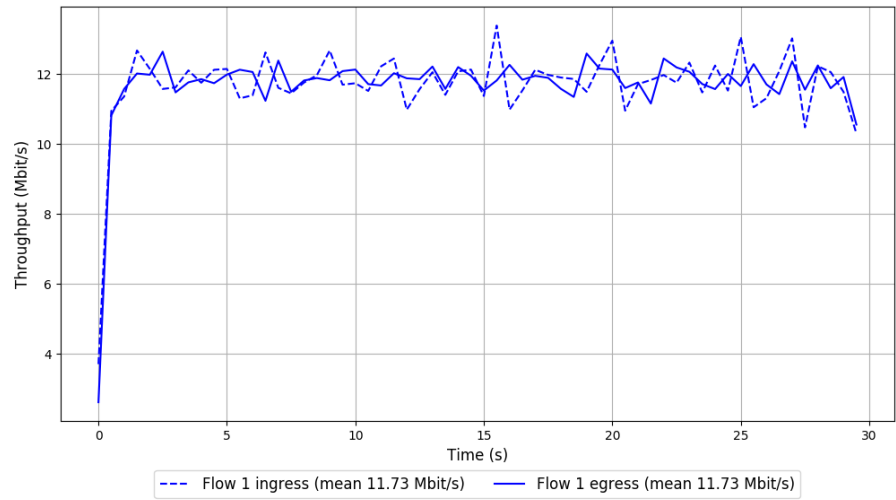


Run 2: Statistics of Sprout

Start at: 2018-04-24 09:45:29
End at: 2018-04-24 09:45:59
Local clock offset: -0.683 ms
Remote clock offset: -1.302 ms

Below is generated by plot.py at 2018-04-24 13:21:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.73 Mbit/s
95th percentile per-packet one-way delay: 36.547 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.73 Mbit/s
95th percentile per-packet one-way delay: 36.547 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

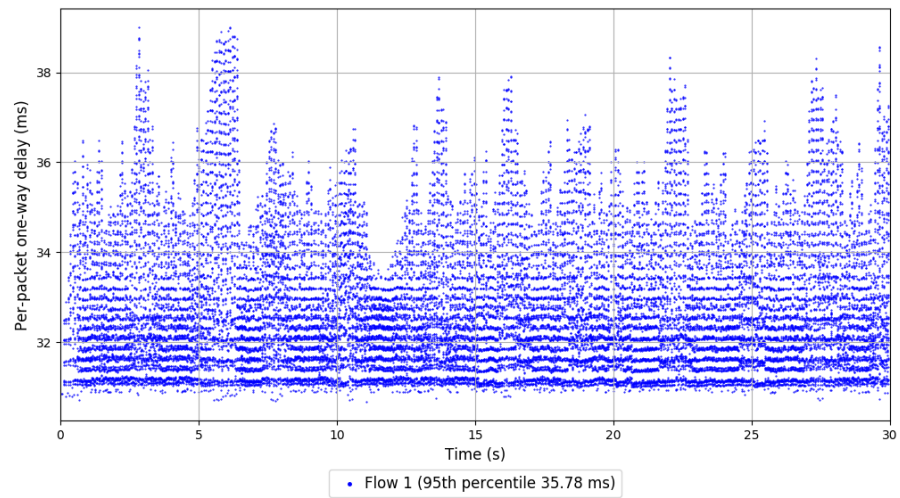
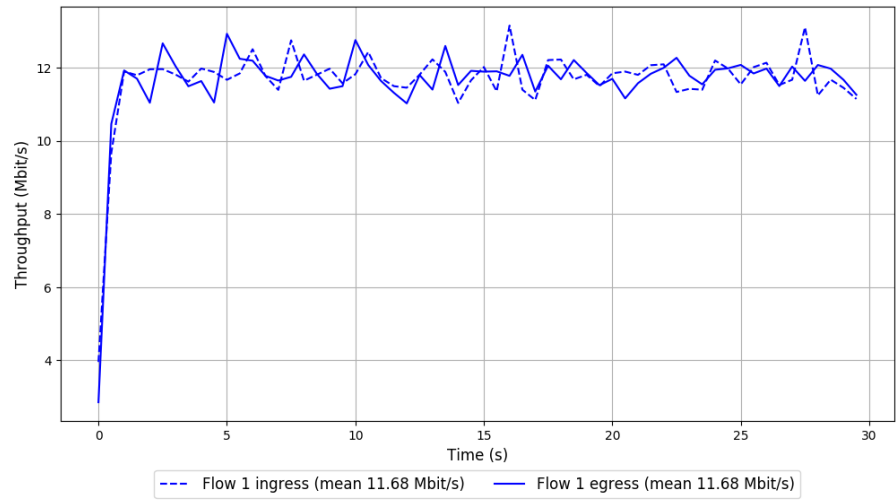


Run 3: Statistics of Sprout

Start at: 2018-04-24 10:08:13
End at: 2018-04-24 10:08:43
Local clock offset: -0.947 ms
Remote clock offset: -1.356 ms

Below is generated by plot.py at 2018-04-24 13:21:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.68 Mbit/s
95th percentile per-packet one-way delay: 35.785 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.68 Mbit/s
95th percentile per-packet one-way delay: 35.785 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

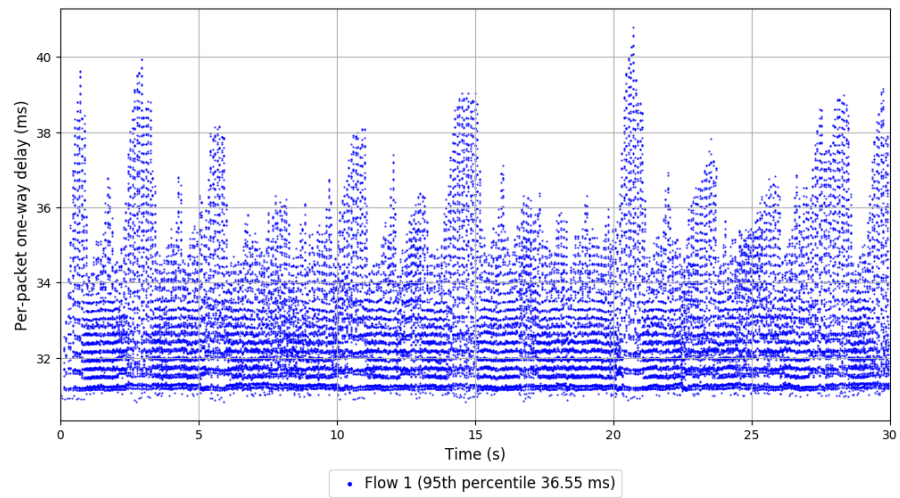
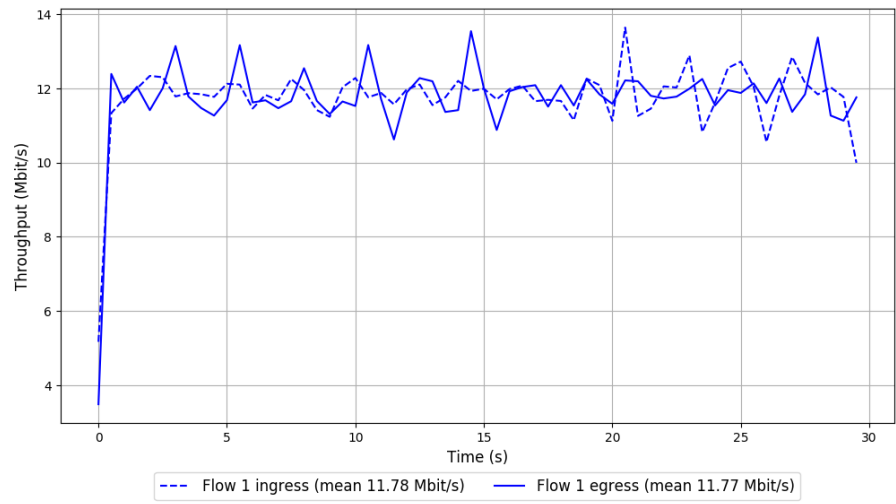


Run 4: Statistics of Sprout

Start at: 2018-04-24 10:31:36
End at: 2018-04-24 10:32:06
Local clock offset: -0.534 ms
Remote clock offset: -1.149 ms

Below is generated by plot.py at 2018-04-24 13:21:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.77 Mbit/s
95th percentile per-packet one-way delay: 36.546 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 11.77 Mbit/s
95th percentile per-packet one-way delay: 36.546 ms
Loss rate: 0.01%

Run 4: Report of Sprout — Data Link

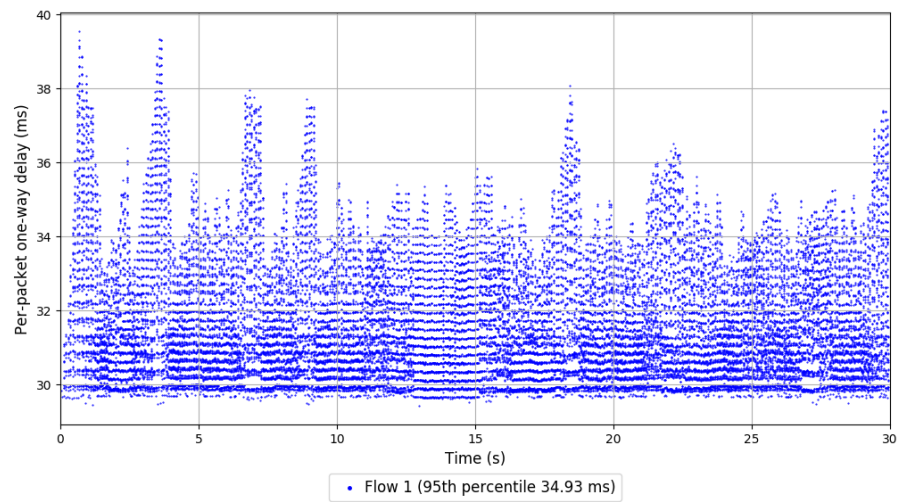
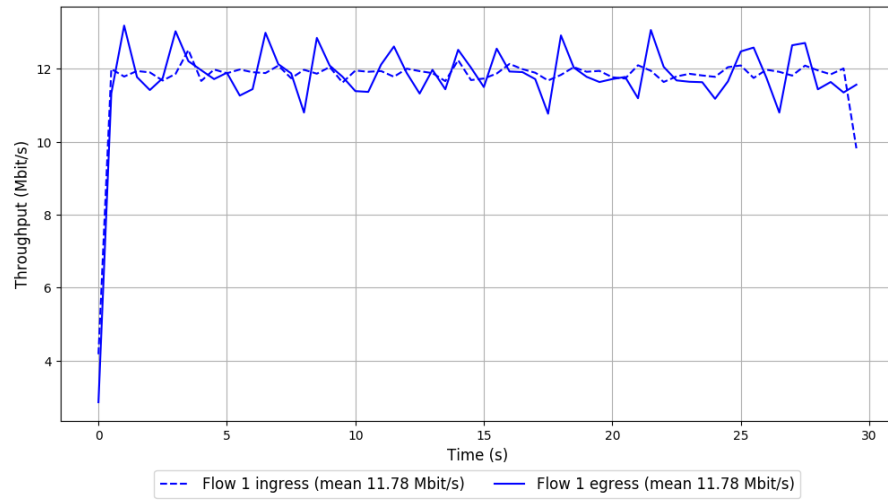


Run 5: Statistics of Sprout

Start at: 2018-04-24 10:54:59
End at: 2018-04-24 10:55:29
Local clock offset: -0.496 ms
Remote clock offset: -1.524 ms

Below is generated by plot.py at 2018-04-24 13:21:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.78 Mbit/s
95th percentile per-packet one-way delay: 34.929 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.78 Mbit/s
95th percentile per-packet one-way delay: 34.929 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

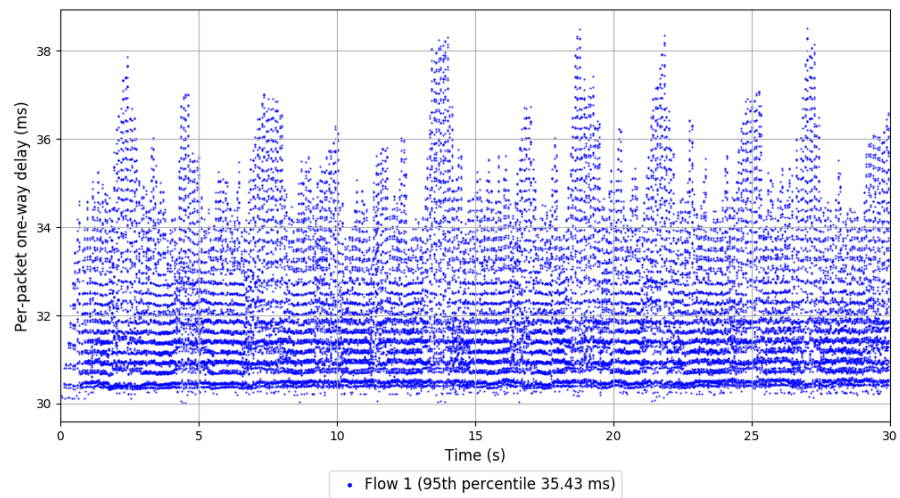
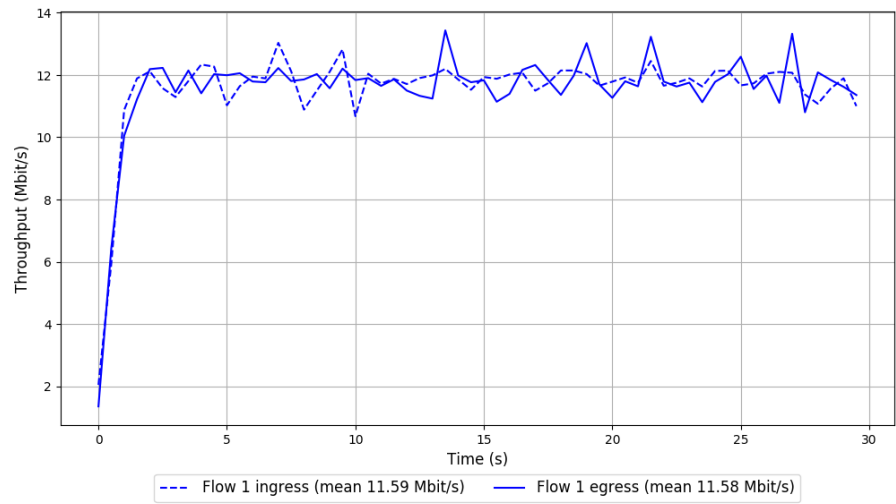


Run 6: Statistics of Sprout

Start at: 2018-04-24 11:17:43
End at: 2018-04-24 11:18:14
Local clock offset: -0.574 ms
Remote clock offset: -2.174 ms

Below is generated by plot.py at 2018-04-24 13:21:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.58 Mbit/s
95th percentile per-packet one-way delay: 35.427 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.58 Mbit/s
95th percentile per-packet one-way delay: 35.427 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

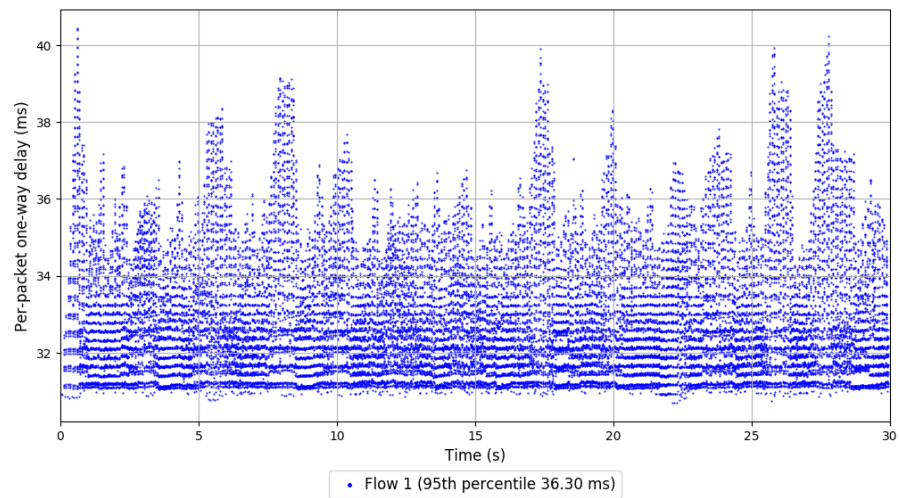
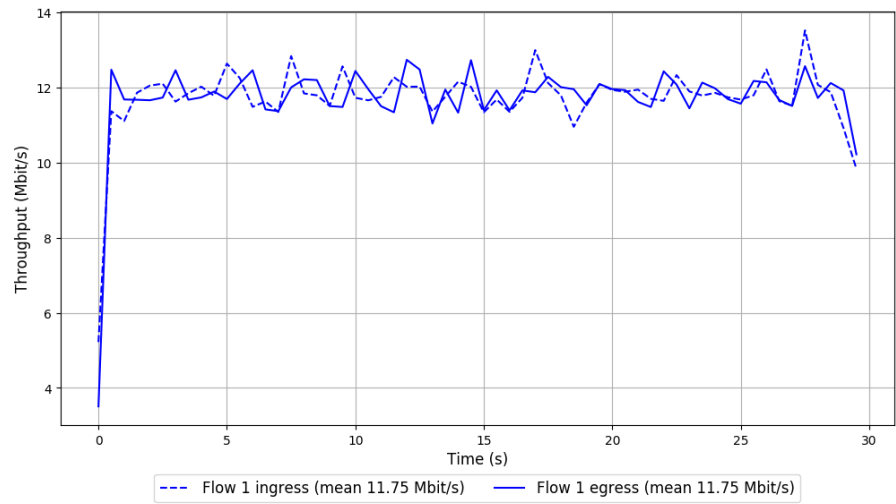


Run 7: Statistics of Sprout

Start at: 2018-04-24 11:40:32
End at: 2018-04-24 11:41:02
Local clock offset: -0.544 ms
Remote clock offset: -3.097 ms

Below is generated by plot.py at 2018-04-24 13:21:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.75 Mbit/s
95th percentile per-packet one-way delay: 36.297 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 11.75 Mbit/s
95th percentile per-packet one-way delay: 36.297 ms
Loss rate: 0.02%

Run 7: Report of Sprout — Data Link

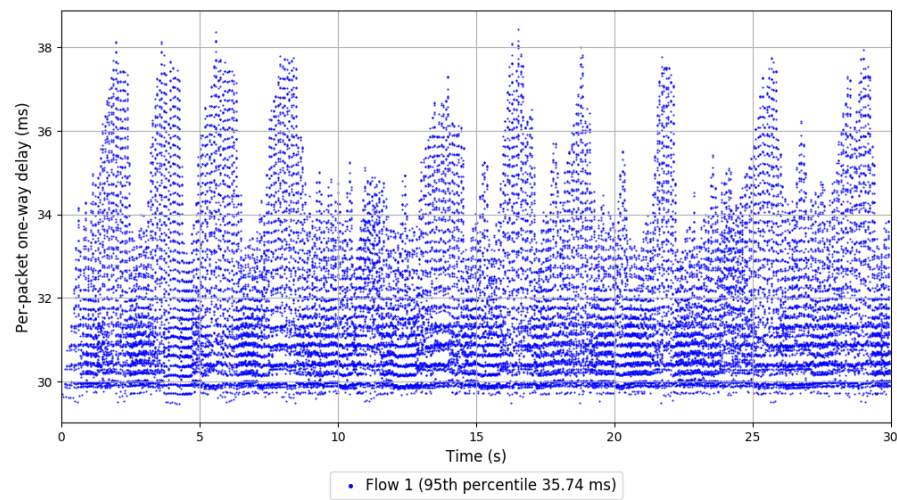
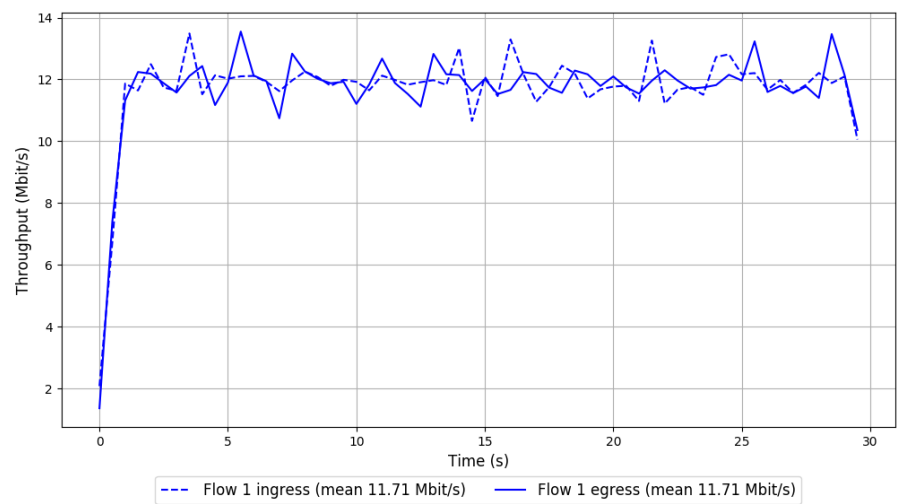


Run 8: Statistics of Sprout

Start at: 2018-04-24 12:03:21
End at: 2018-04-24 12:03:51
Local clock offset: -0.451 ms
Remote clock offset: -3.744 ms

Below is generated by plot.py at 2018-04-24 13:21:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.71 Mbit/s
95th percentile per-packet one-way delay: 35.736 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.71 Mbit/s
95th percentile per-packet one-way delay: 35.736 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

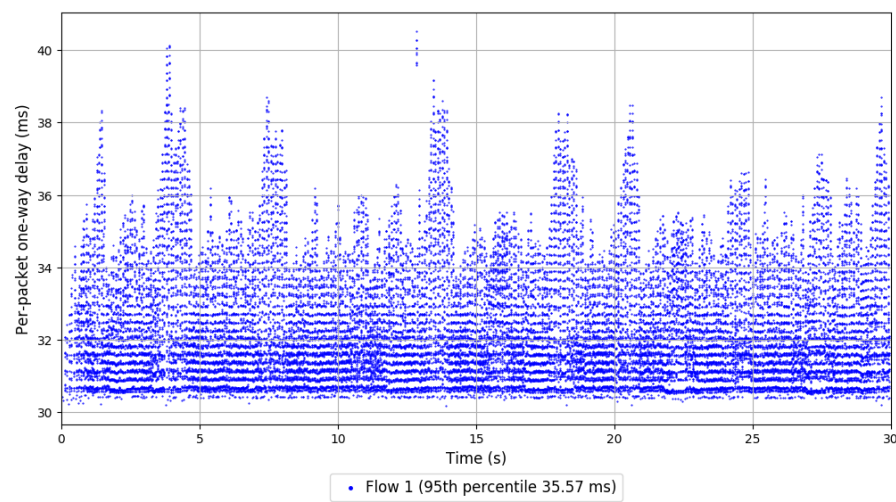
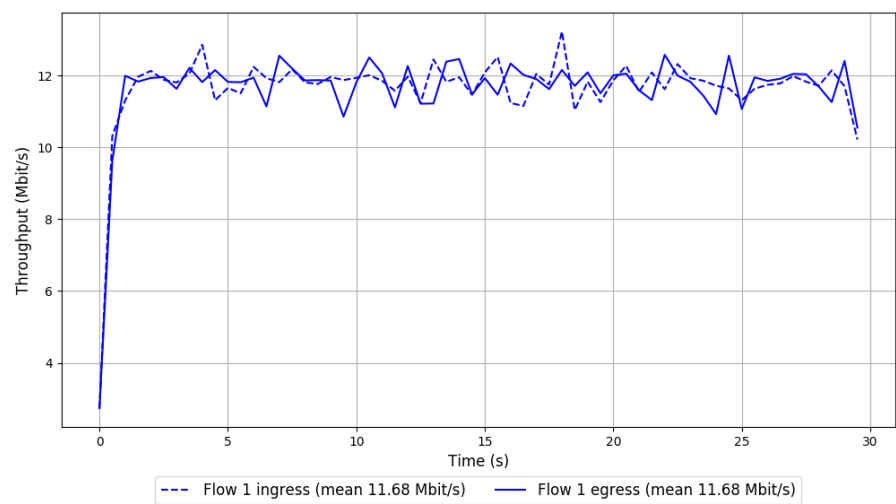


Run 9: Statistics of Sprout

Start at: 2018-04-24 12:26:26
End at: 2018-04-24 12:26:56
Local clock offset: -0.373 ms
Remote clock offset: -2.528 ms

Below is generated by plot.py at 2018-04-24 13:21:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.68 Mbit/s
95th percentile per-packet one-way delay: 35.568 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 11.68 Mbit/s
95th percentile per-packet one-way delay: 35.568 ms
Loss rate: 0.04%

Run 9: Report of Sprout — Data Link

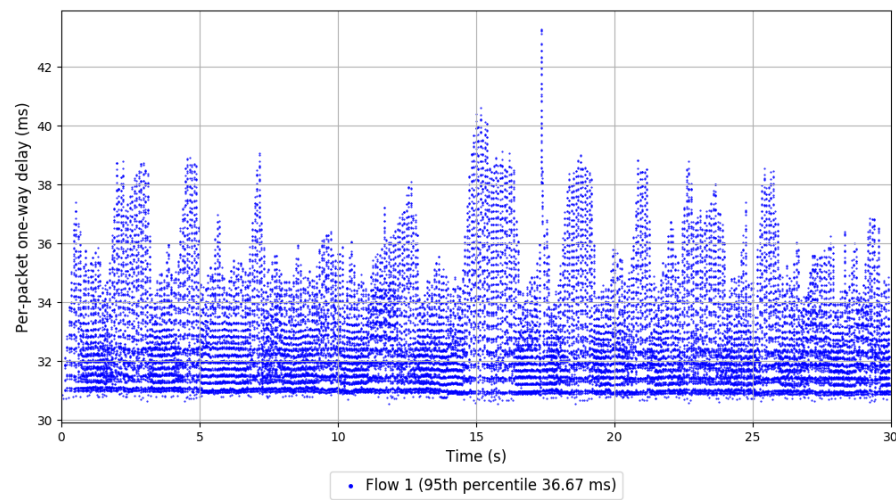
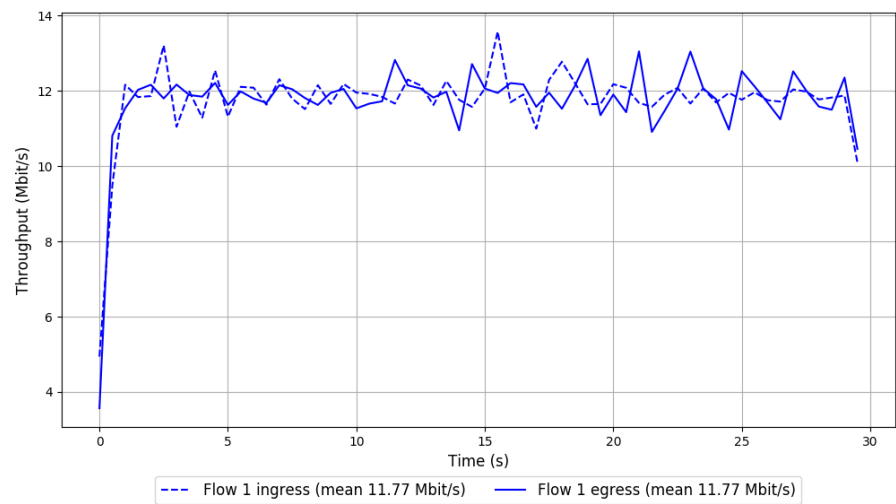


Run 10: Statistics of Sprout

Start at: 2018-04-24 12:49:17
End at: 2018-04-24 12:49:47
Local clock offset: -0.364 ms
Remote clock offset: -1.634 ms

Below is generated by plot.py at 2018-04-24 13:21:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.77 Mbit/s
95th percentile per-packet one-way delay: 36.670 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.77 Mbit/s
95th percentile per-packet one-way delay: 36.670 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

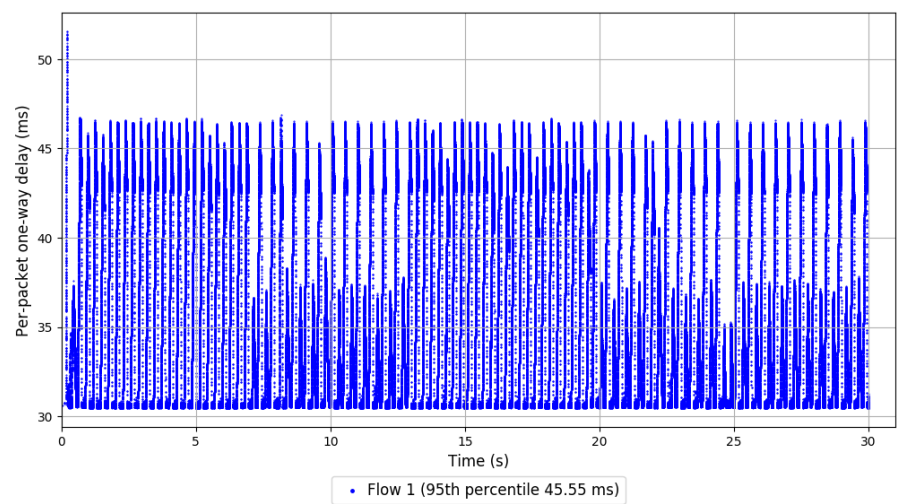
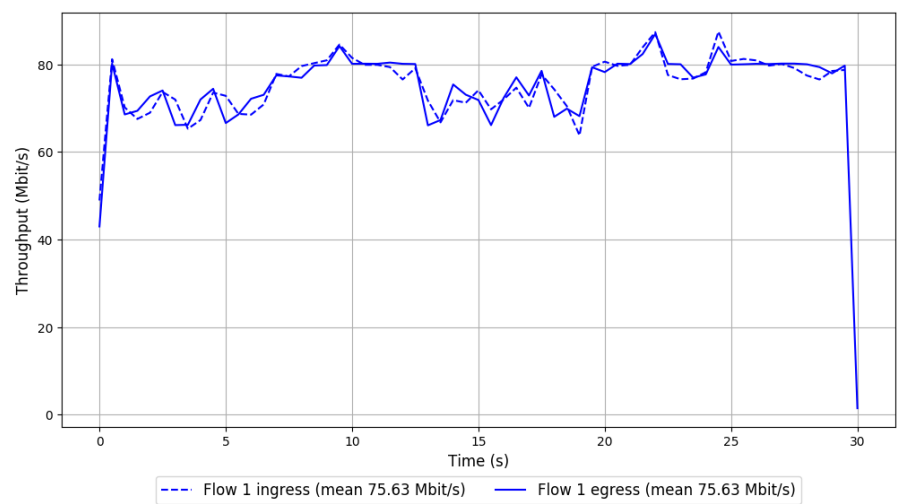


Run 1: Statistics of TaoVA-100x

Start at: 2018-04-24 09:13:00
End at: 2018-04-24 09:13:30
Local clock offset: -0.432 ms
Remote clock offset: -2.386 ms

Below is generated by plot.py at 2018-04-24 13:23:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.63 Mbit/s
95th percentile per-packet one-way delay: 45.548 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 75.63 Mbit/s
95th percentile per-packet one-way delay: 45.548 ms
Loss rate: 0.00%

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

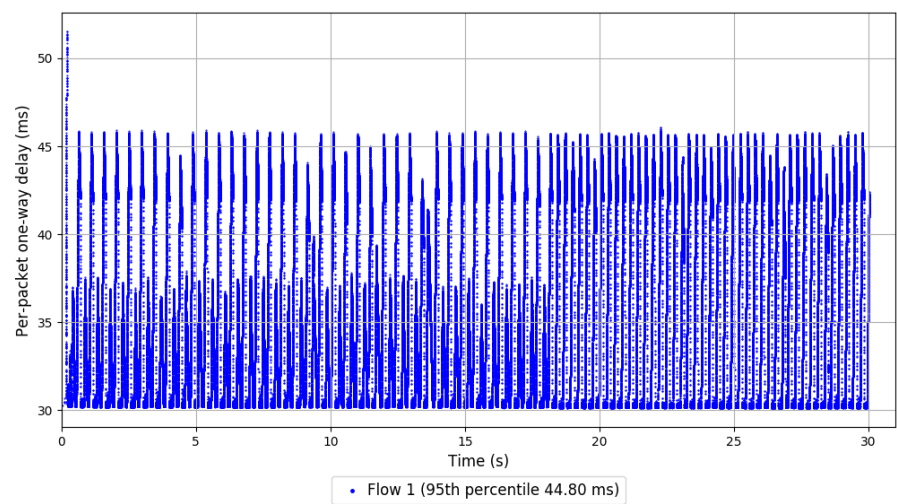
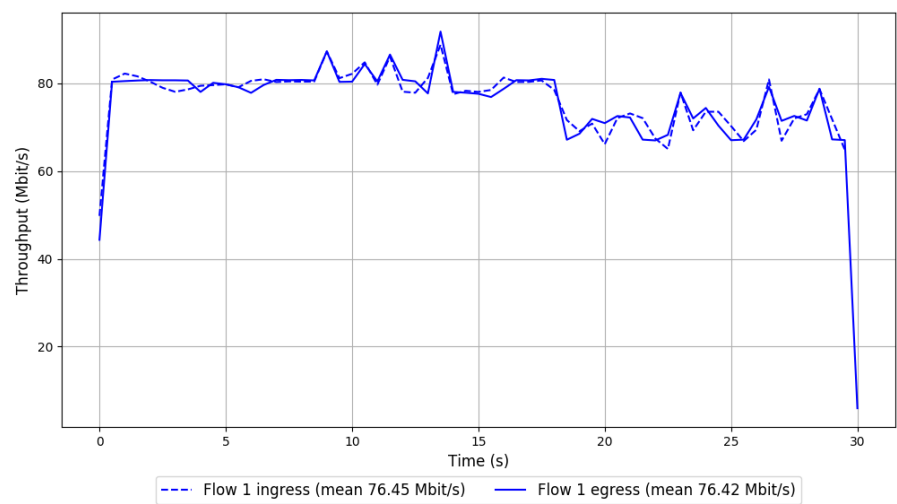


Run 2: Statistics of TaoVA-100x

Start at: 2018-04-24 09:36:12
End at: 2018-04-24 09:36:42
Local clock offset: -0.364 ms
Remote clock offset: -1.441 ms

Below is generated by plot.py at 2018-04-24 13:23:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.42 Mbit/s
95th percentile per-packet one-way delay: 44.801 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.42 Mbit/s
95th percentile per-packet one-way delay: 44.801 ms
Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-04-24 09:58:56

End at: 2018-04-24 09:59:26

Local clock offset: -0.934 ms

Remote clock offset: -1.262 ms

Below is generated by plot.py at 2018-04-24 13:23:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.07 Mbit/s

95th percentile per-packet one-way delay: 44.962 ms

Loss rate: 0.03%

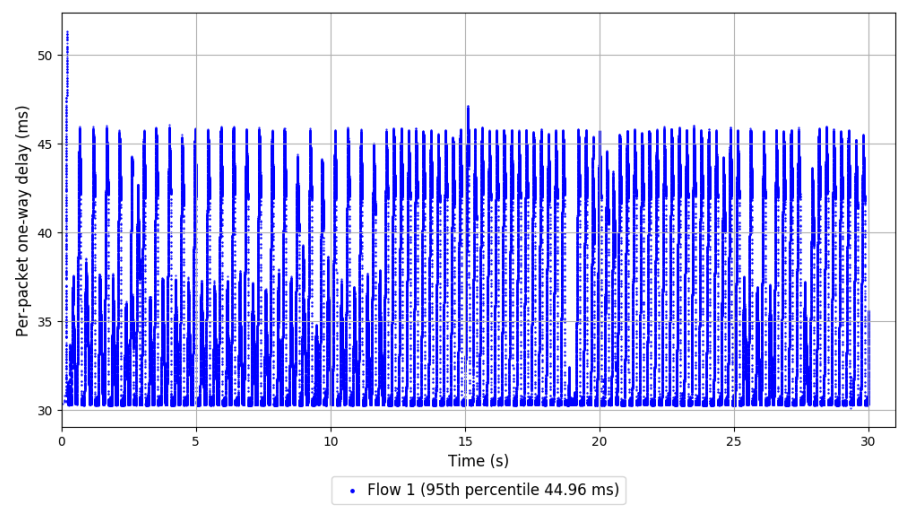
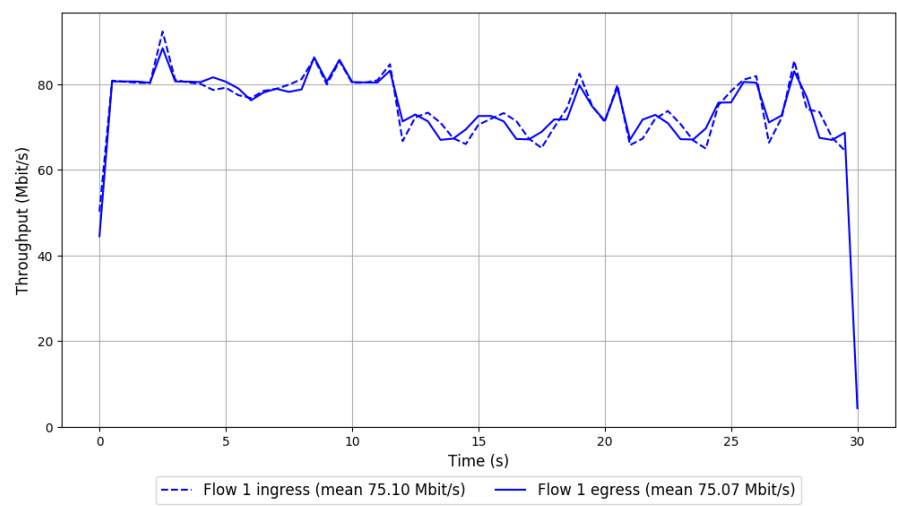
-- Flow 1:

Average throughput: 75.07 Mbit/s

95th percentile per-packet one-way delay: 44.962 ms

Loss rate: 0.03%

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

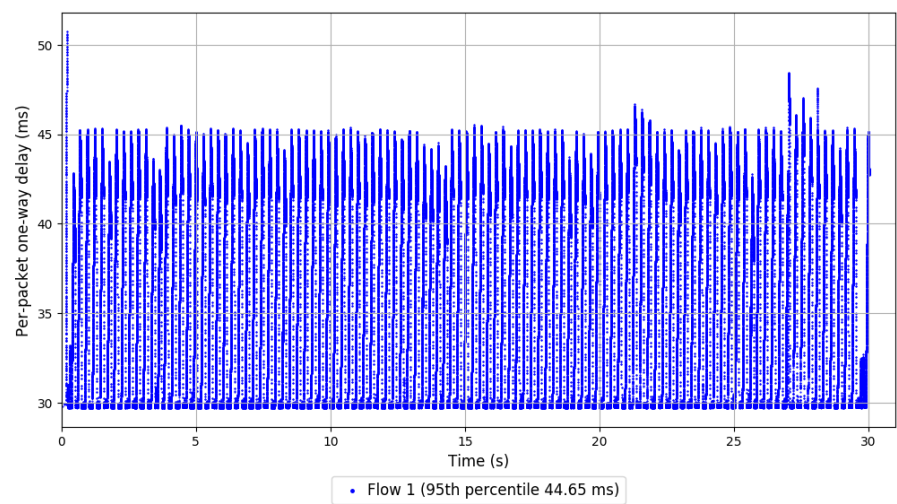
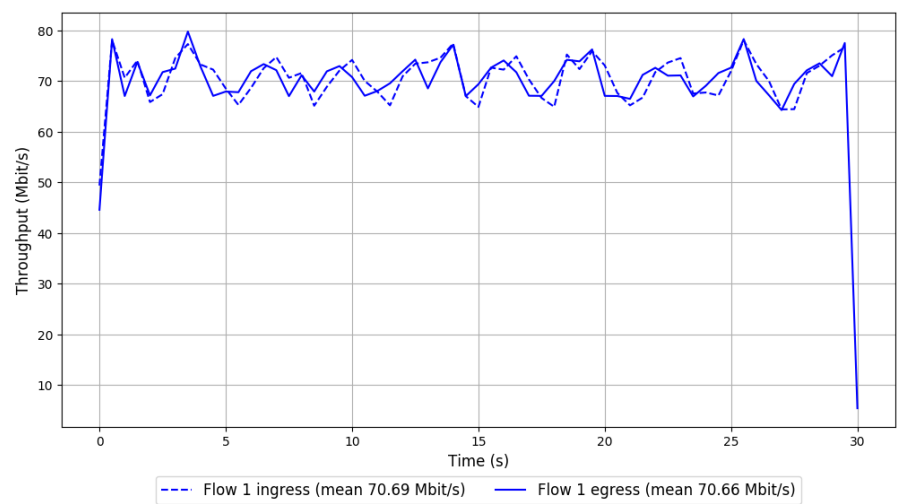


Run 4: Statistics of TaoVA-100x

Start at: 2018-04-24 10:21:59
End at: 2018-04-24 10:22:29
Local clock offset: -0.644 ms
Remote clock offset: -1.609 ms

Below is generated by plot.py at 2018-04-24 13:23:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.66 Mbit/s
95th percentile per-packet one-way delay: 44.652 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.66 Mbit/s
95th percentile per-packet one-way delay: 44.652 ms
Loss rate: 0.00%

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

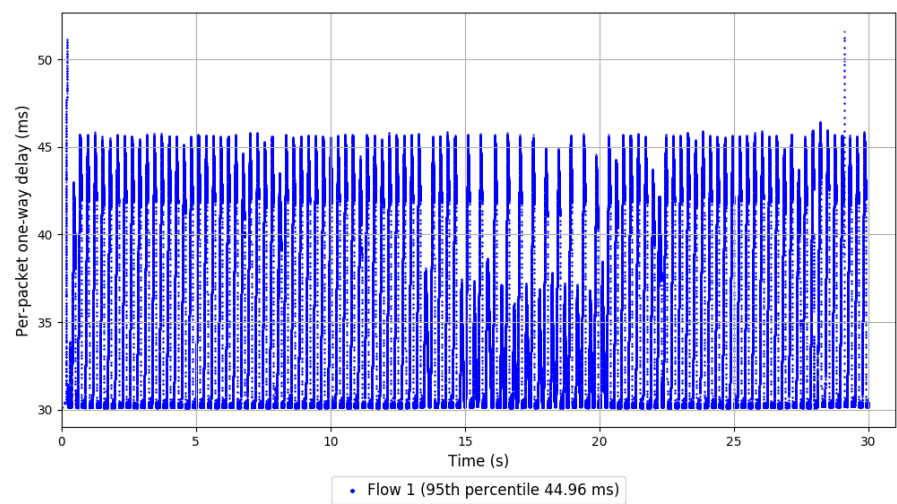
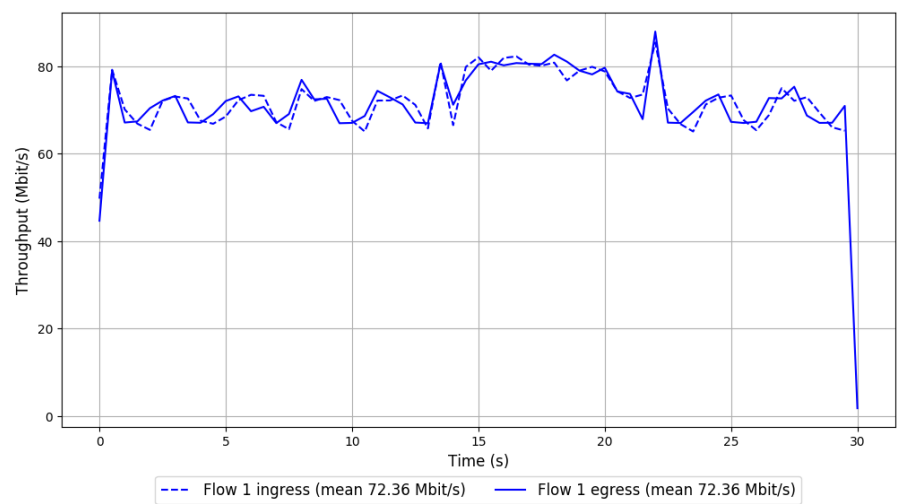


Run 5: Statistics of TaoVA-100x

Start at: 2018-04-24 10:45:38
End at: 2018-04-24 10:46:08
Local clock offset: -0.506 ms
Remote clock offset: -1.274 ms

Below is generated by plot.py at 2018-04-24 13:23:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.36 Mbit/s
95th percentile per-packet one-way delay: 44.956 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 72.36 Mbit/s
95th percentile per-packet one-way delay: 44.956 ms
Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

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

End at: 2018-04-24 11:08:56

Local clock offset: -0.548 ms

Remote clock offset: -1.707 ms

Below is generated by plot.py at 2018-04-24 13:23:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.24 Mbit/s

95th percentile per-packet one-way delay: 45.465 ms

Loss rate: 0.00%

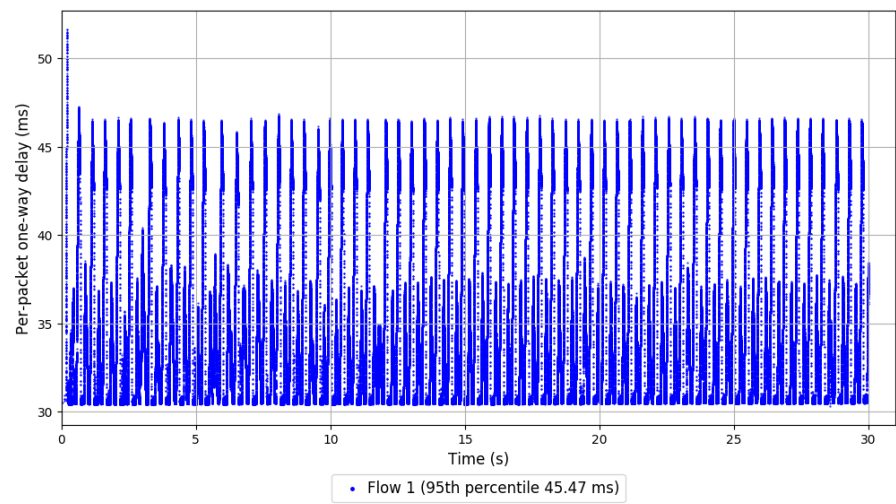
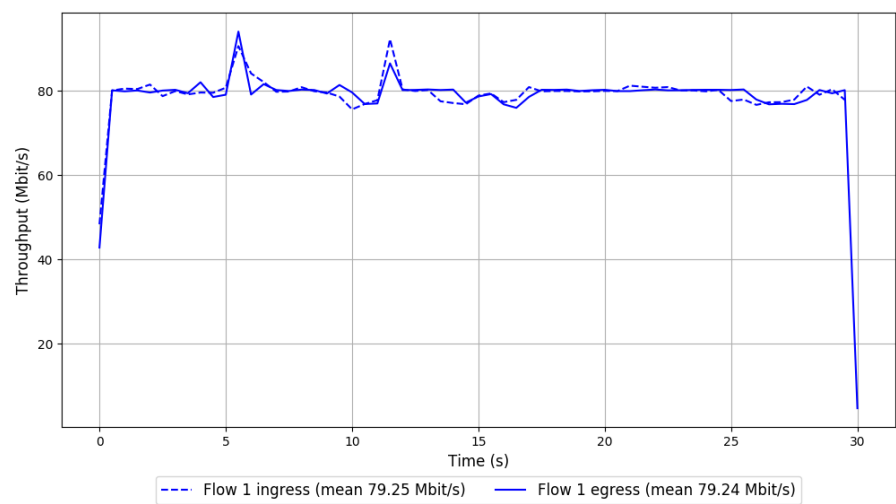
-- Flow 1:

Average throughput: 79.24 Mbit/s

95th percentile per-packet one-way delay: 45.465 ms

Loss rate: 0.00%

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

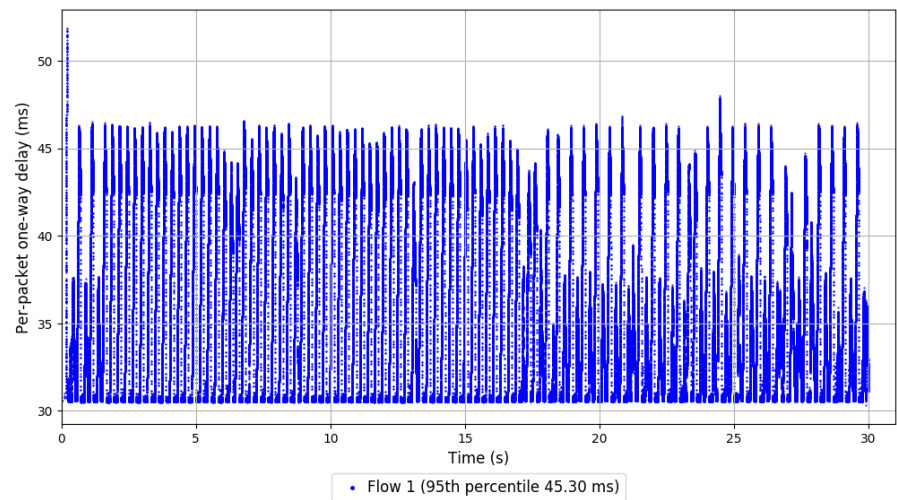
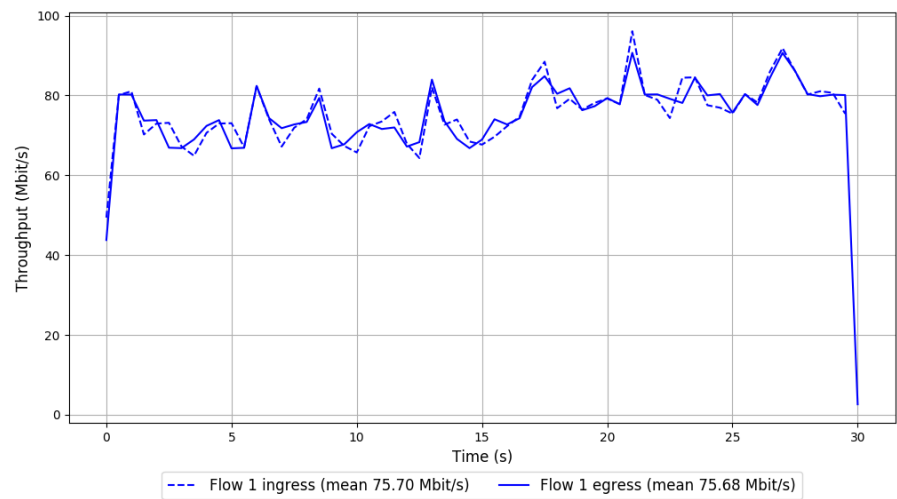


Run 7: Statistics of TaoVA-100x

Start at: 2018-04-24 11:31:11
End at: 2018-04-24 11:31:41
Local clock offset: -0.606 ms
Remote clock offset: -3.228 ms

Below is generated by plot.py at 2018-04-24 13:23:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.68 Mbit/s
95th percentile per-packet one-way delay: 45.303 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 75.68 Mbit/s
95th percentile per-packet one-way delay: 45.303 ms
Loss rate: 0.02%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-04-24 11:54:03

End at: 2018-04-24 11:54:33

Local clock offset: -0.536 ms

Remote clock offset: -3.735 ms

Below is generated by plot.py at 2018-04-24 13:23:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.61 Mbit/s

95th percentile per-packet one-way delay: 45.350 ms

Loss rate: 0.00%

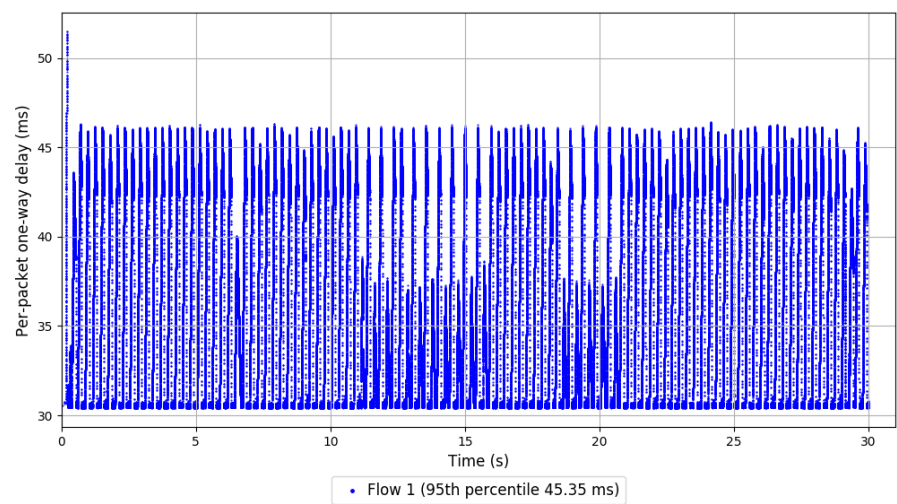
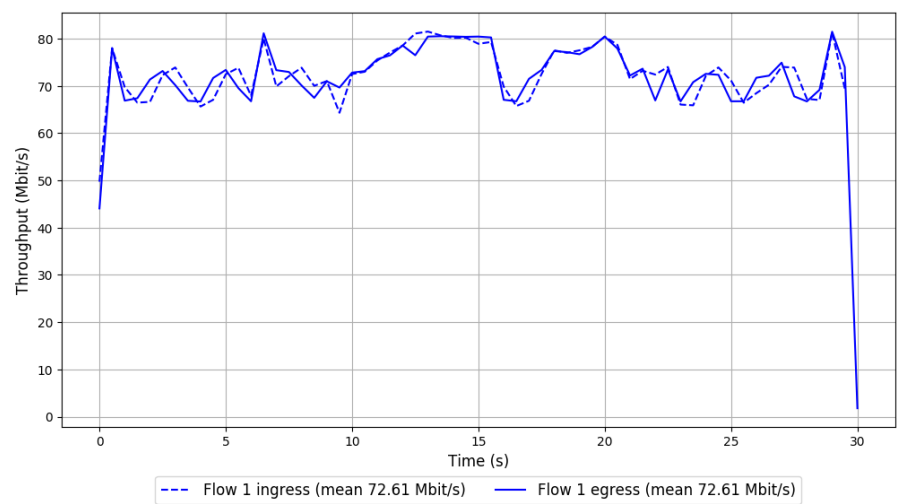
-- Flow 1:

Average throughput: 72.61 Mbit/s

95th percentile per-packet one-way delay: 45.350 ms

Loss rate: 0.00%

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

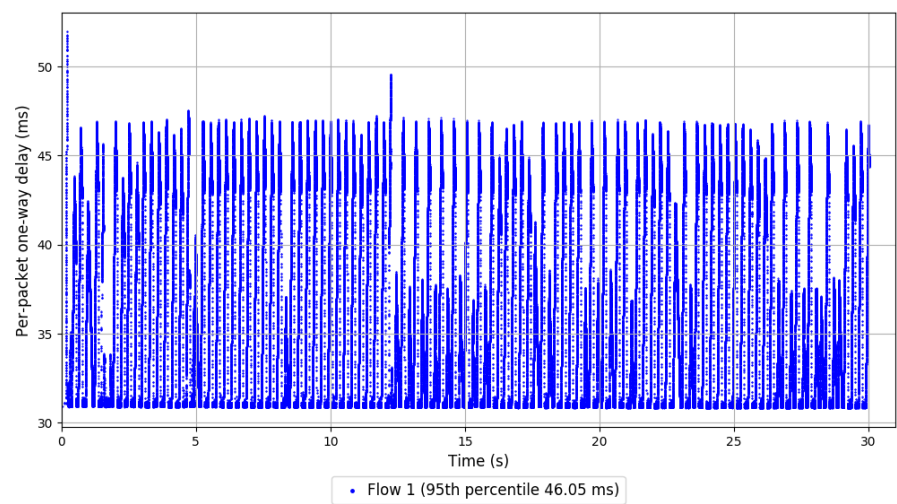
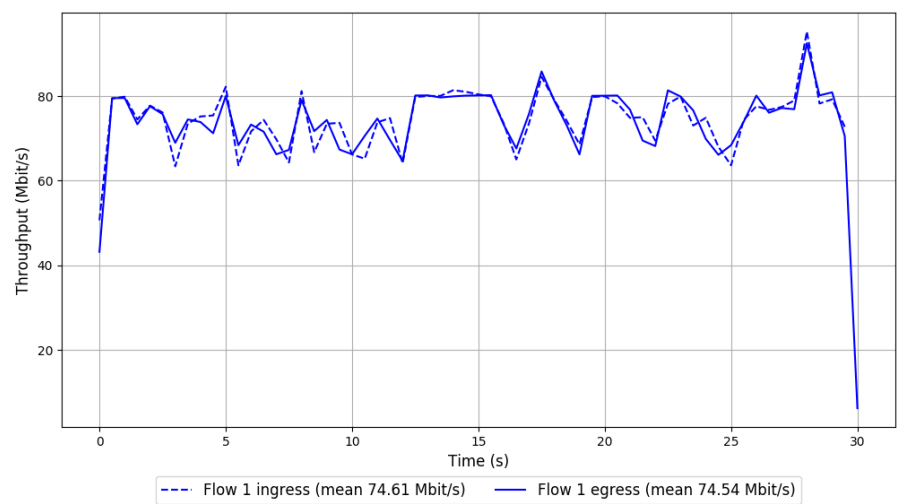


Run 9: Statistics of TaoVA-100x

Start at: 2018-04-24 12:16:47
End at: 2018-04-24 12:17:17
Local clock offset: -0.501 ms
Remote clock offset: -2.889 ms

Below is generated by plot.py at 2018-04-24 13:25:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.54 Mbit/s
95th percentile per-packet one-way delay: 46.050 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 74.54 Mbit/s
95th percentile per-packet one-way delay: 46.050 ms
Loss rate: 0.05%

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

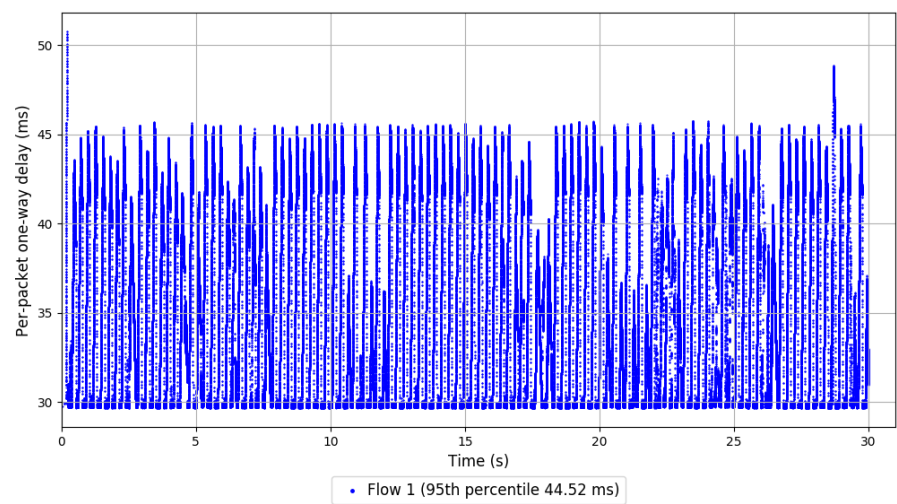
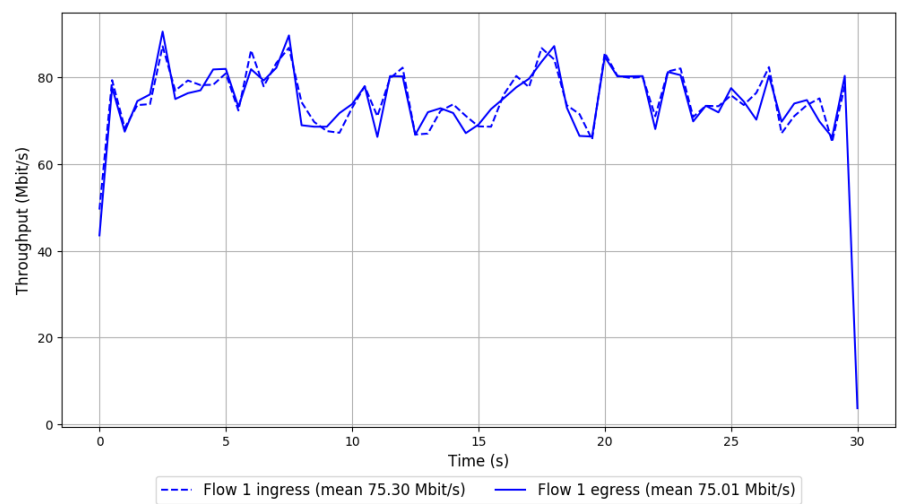


Run 10: Statistics of TaoVA-100x

Start at: 2018-04-24 12:40:01
End at: 2018-04-24 12:40:31
Local clock offset: -0.377 ms
Remote clock offset: -2.285 ms

Below is generated by plot.py at 2018-04-24 13:25:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.01 Mbit/s
95th percentile per-packet one-way delay: 44.524 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 75.01 Mbit/s
95th percentile per-packet one-way delay: 44.524 ms
Loss rate: 0.38%

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

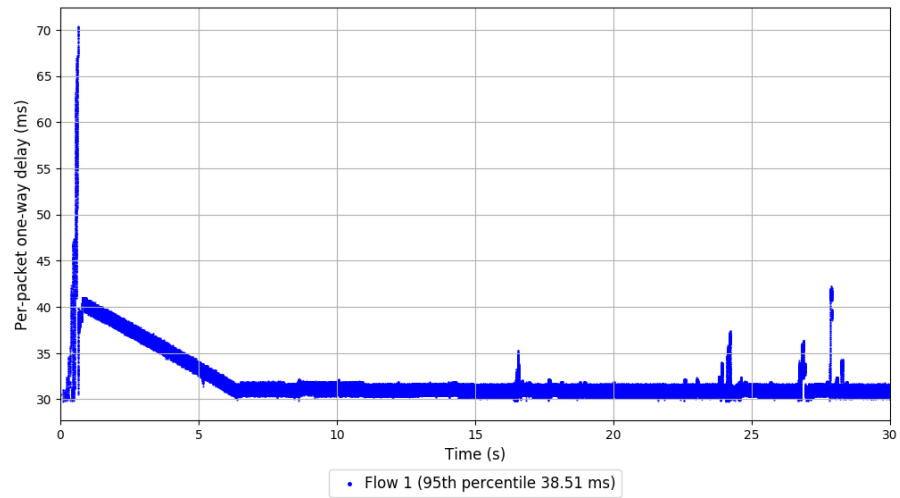
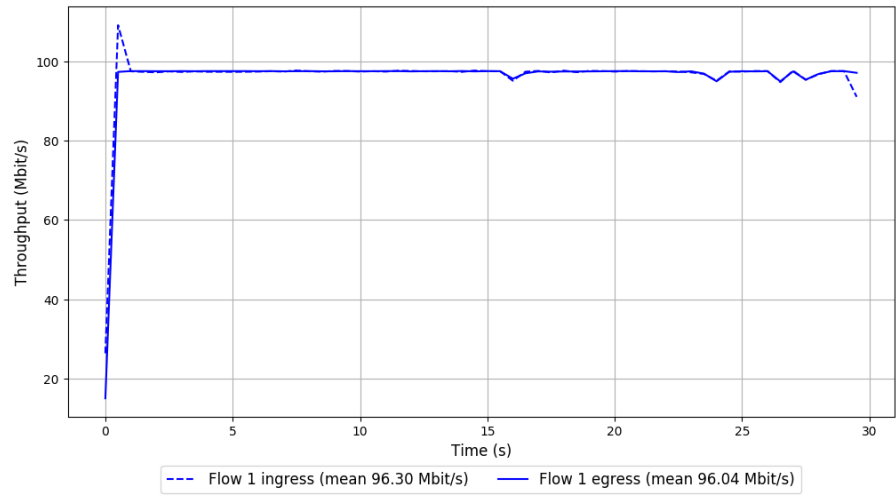


Run 1: Statistics of TCP Vegas

Start at: 2018-04-24 09:10:07
End at: 2018-04-24 09:10:37
Local clock offset: -0.488 ms
Remote clock offset: -2.408 ms

Below is generated by plot.py at 2018-04-24 13:25:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 38.505 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 38.505 ms
Loss rate: 0.27%

Run 1: Report of TCP Vegas — Data Link

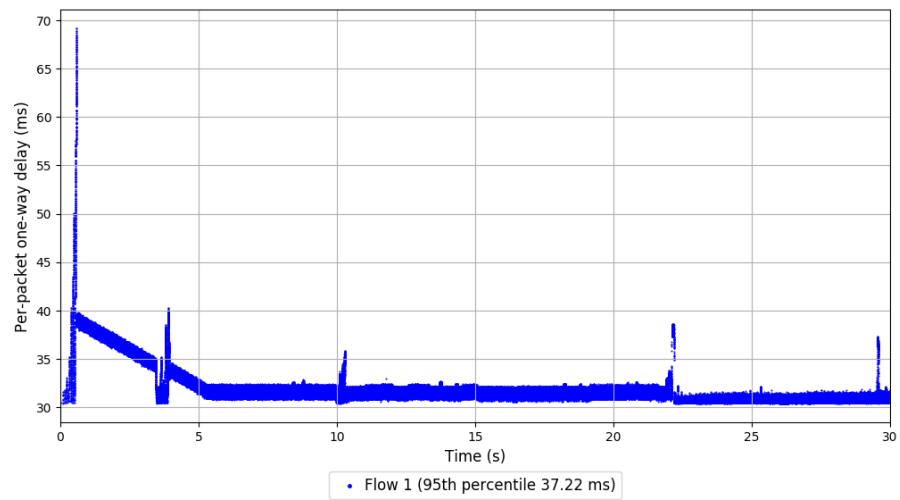
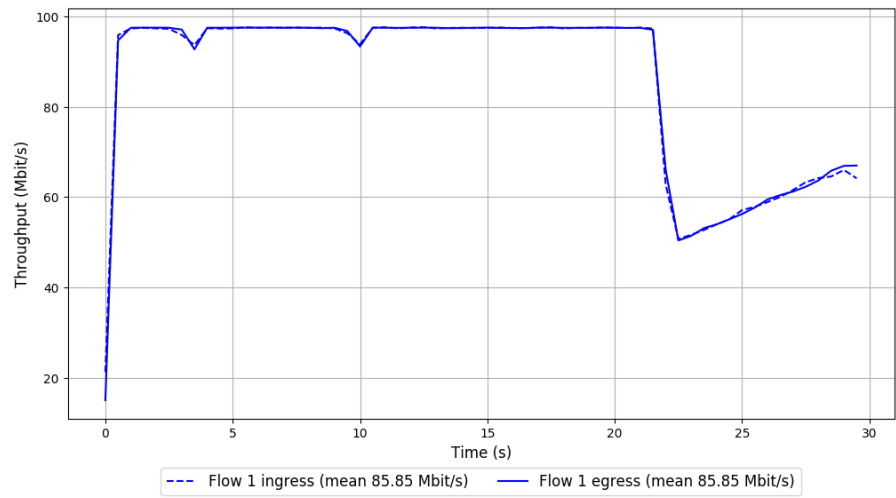


Run 2: Statistics of TCP Vegas

Start at: 2018-04-24 09:33:24
End at: 2018-04-24 09:33:54
Local clock offset: -0.281 ms
Remote clock offset: -1.967 ms

Below is generated by plot.py at 2018-04-24 13:25:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.85 Mbit/s
95th percentile per-packet one-way delay: 37.223 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.85 Mbit/s
95th percentile per-packet one-way delay: 37.223 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

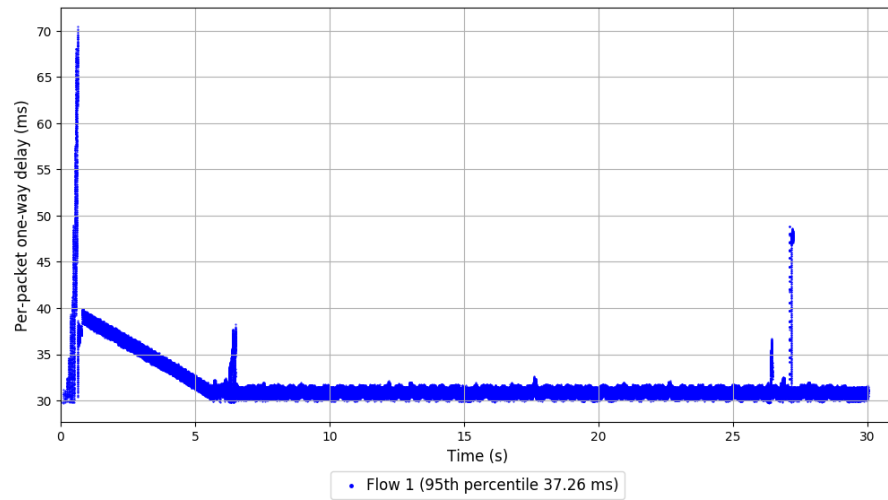
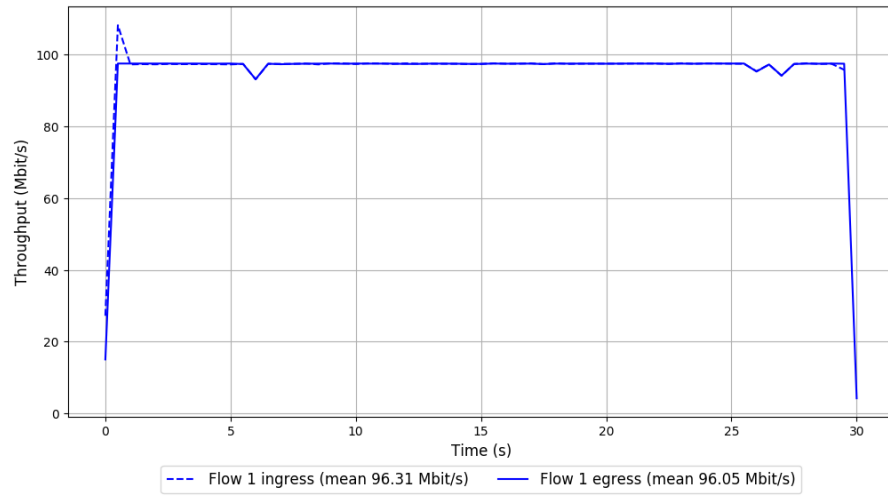


Run 3: Statistics of TCP Vegas

Start at: 2018-04-24 09:56:09
End at: 2018-04-24 09:56:39
Local clock offset: -0.889 ms
Remote clock offset: -1.683 ms

Below is generated by plot.py at 2018-04-24 13:25:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.05 Mbit/s
95th percentile per-packet one-way delay: 37.262 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 96.05 Mbit/s
95th percentile per-packet one-way delay: 37.262 ms
Loss rate: 0.26%

Run 3: Report of TCP Vegas — Data Link

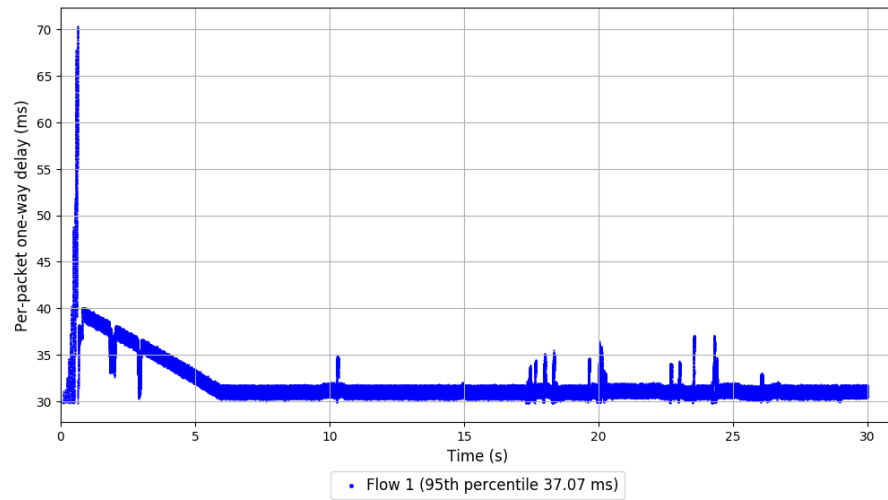
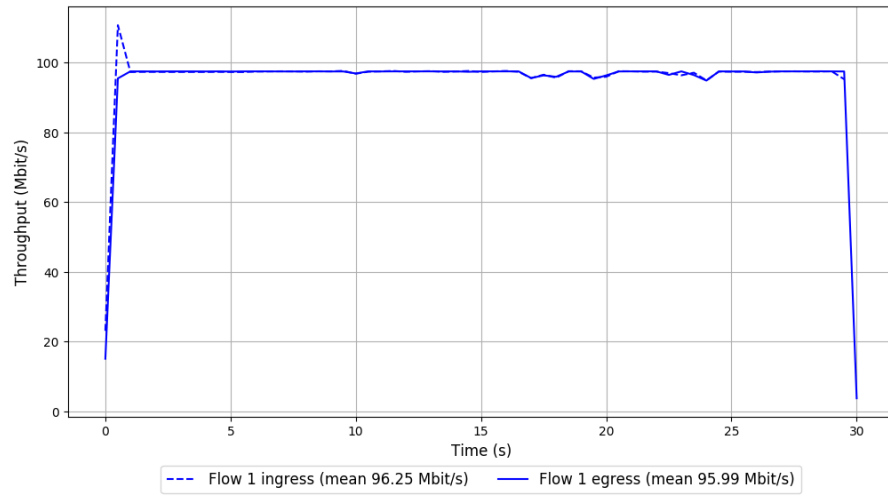


Run 4: Statistics of TCP Vegas

Start at: 2018-04-24 10:19:05
End at: 2018-04-24 10:19:35
Local clock offset: -0.777 ms
Remote clock offset: -1.666 ms

Below is generated by plot.py at 2018-04-24 13:25:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.99 Mbit/s
95th percentile per-packet one-way delay: 37.066 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 95.99 Mbit/s
95th percentile per-packet one-way delay: 37.066 ms
Loss rate: 0.27%

Run 4: Report of TCP Vegas — Data Link

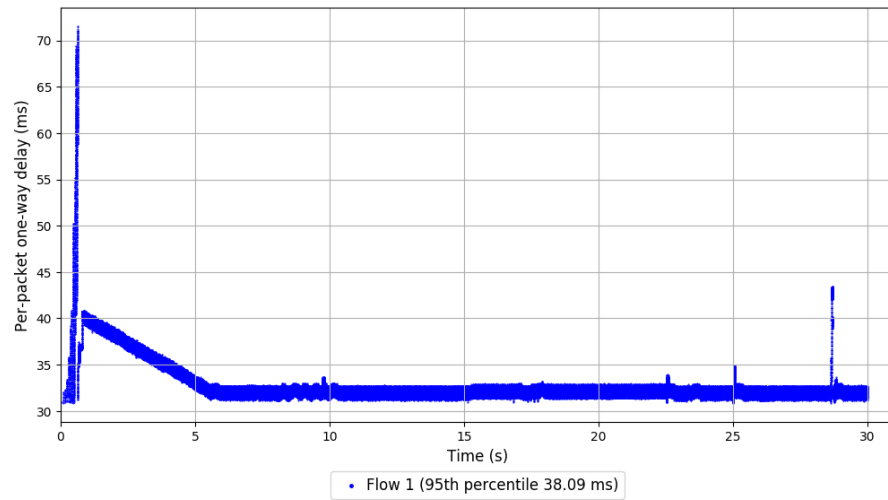
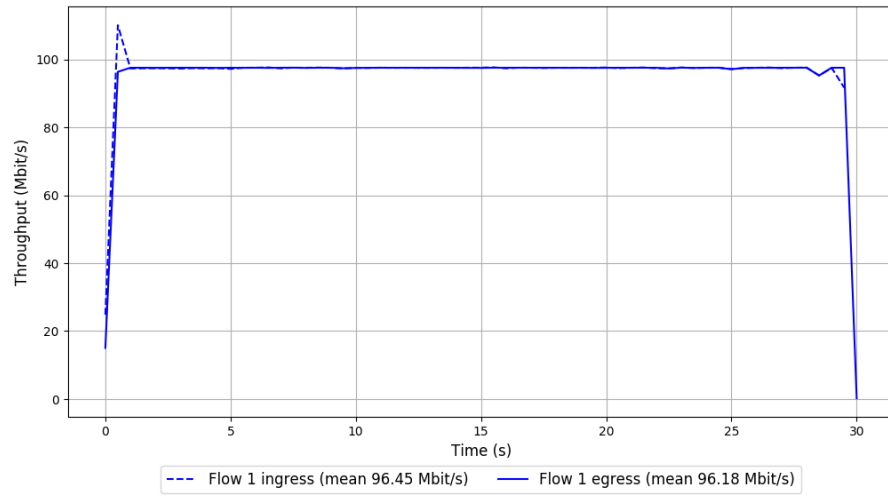


Run 5: Statistics of TCP Vegas

Start at: 2018-04-24 10:42:43
End at: 2018-04-24 10:43:13
Local clock offset: -0.487 ms
Remote clock offset: -1.325 ms

Below is generated by plot.py at 2018-04-24 13:25:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.18 Mbit/s
95th percentile per-packet one-way delay: 38.092 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 96.18 Mbit/s
95th percentile per-packet one-way delay: 38.092 ms
Loss rate: 0.28%

Run 5: Report of TCP Vegas — Data Link

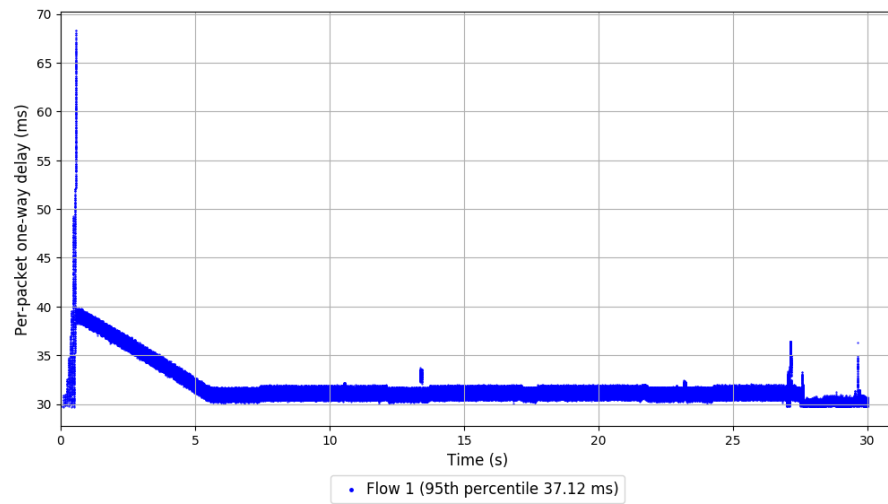
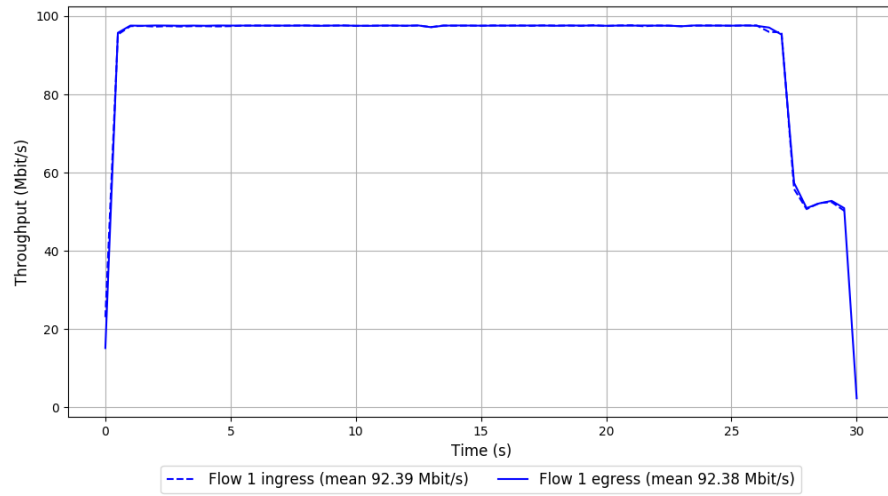


Run 6: Statistics of TCP Vegas

Start at: 2018-04-24 11:05:41
End at: 2018-04-24 11:06:11
Local clock offset: -0.52 ms
Remote clock offset: -1.288 ms

Below is generated by plot.py at 2018-04-24 13:25:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.38 Mbit/s
95th percentile per-packet one-way delay: 37.120 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 92.38 Mbit/s
95th percentile per-packet one-way delay: 37.120 ms
Loss rate: 0.01%

Run 6: Report of TCP Vegas — Data Link

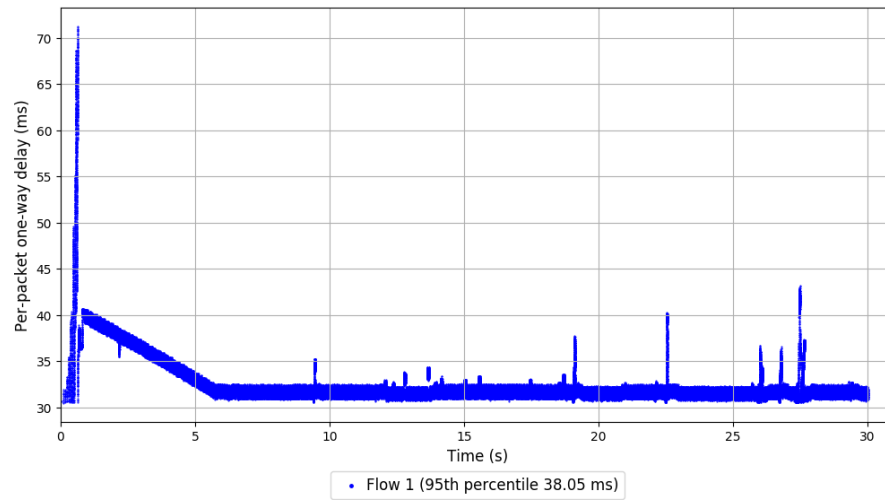
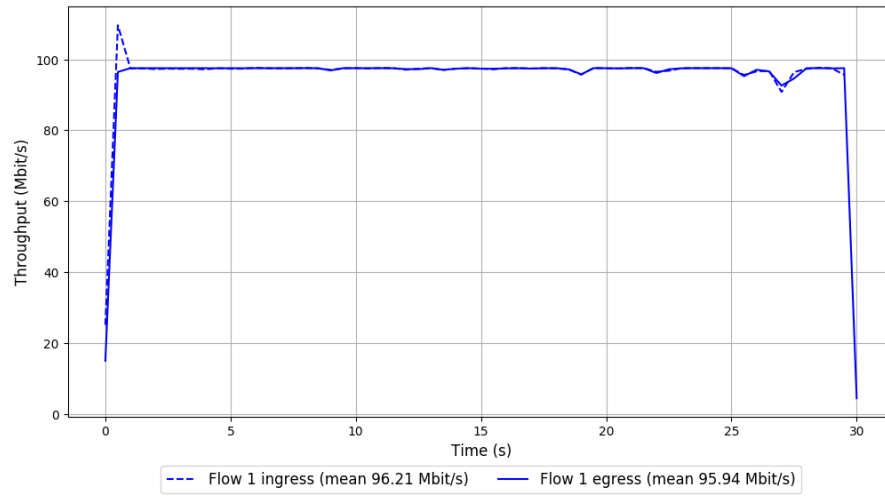


Run 7: Statistics of TCP Vegas

Start at: 2018-04-24 11:28:25
End at: 2018-04-24 11:28:55
Local clock offset: -0.64 ms
Remote clock offset: -3.155 ms

Below is generated by plot.py at 2018-04-24 13:26:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.94 Mbit/s
95th percentile per-packet one-way delay: 38.054 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 95.94 Mbit/s
95th percentile per-packet one-way delay: 38.054 ms
Loss rate: 0.27%

Run 7: Report of TCP Vegas — Data Link

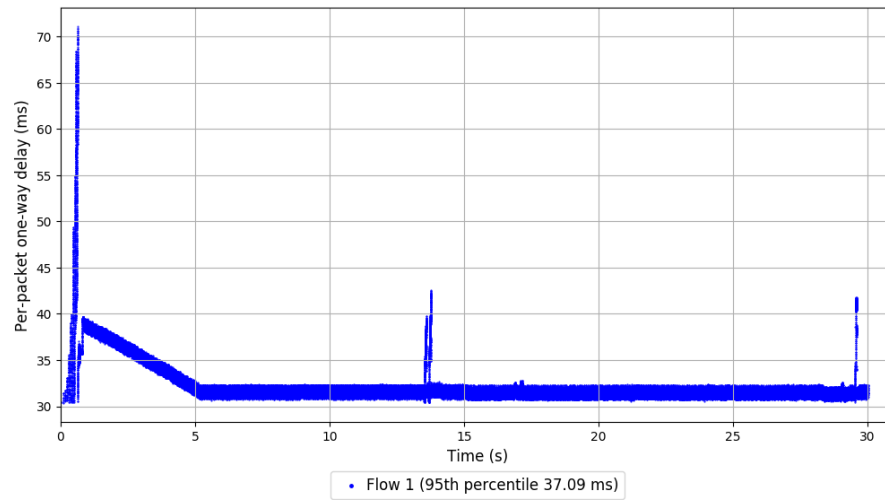
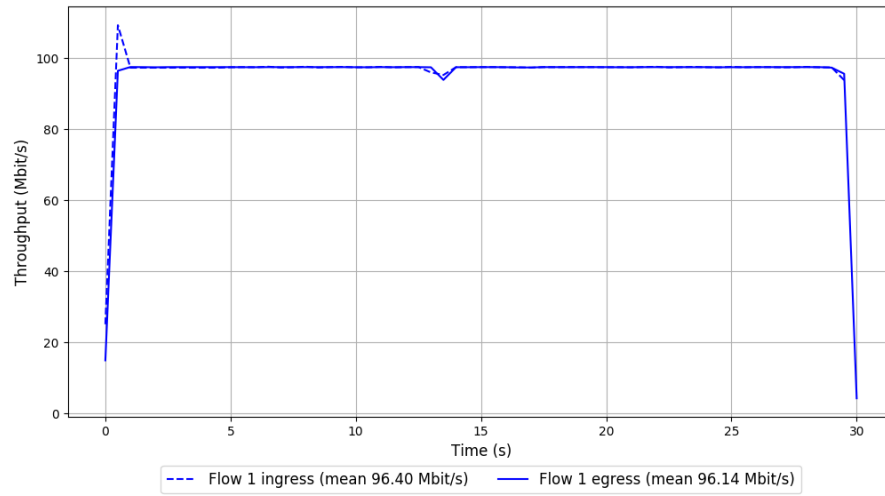


Run 8: Statistics of TCP Vegas

Start at: 2018-04-24 11:51:18
End at: 2018-04-24 11:51:48
Local clock offset: -0.535 ms
Remote clock offset: -3.754 ms

Below is generated by plot.py at 2018-04-24 13:26:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.14 Mbit/s
95th percentile per-packet one-way delay: 37.090 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 96.14 Mbit/s
95th percentile per-packet one-way delay: 37.090 ms
Loss rate: 0.27%

Run 8: Report of TCP Vegas — Data Link

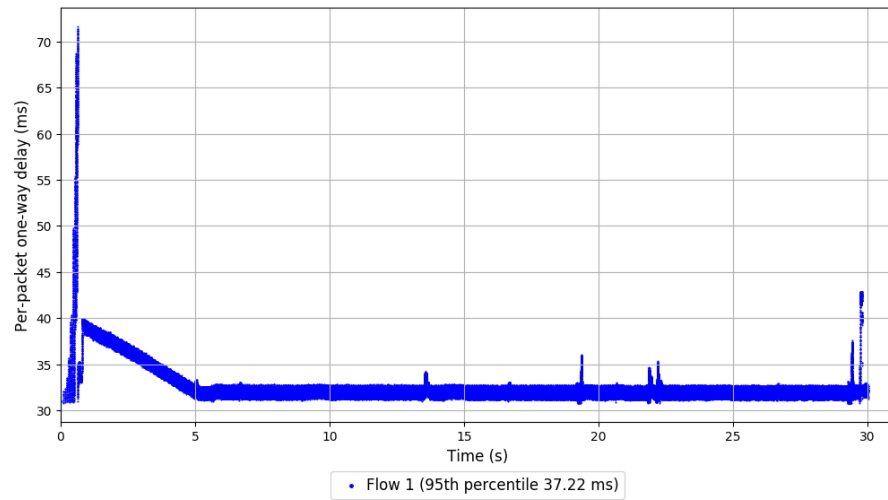
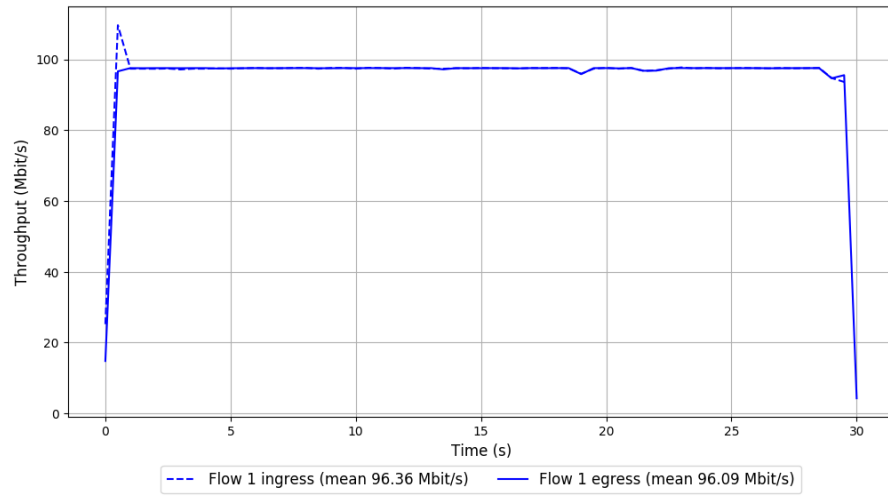


Run 9: Statistics of TCP Vegas

Start at: 2018-04-24 12:14:00
End at: 2018-04-24 12:14:30
Local clock offset: -0.426 ms
Remote clock offset: -3.299 ms

Below is generated by plot.py at 2018-04-24 13:26:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.09 Mbit/s
95th percentile per-packet one-way delay: 37.219 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 96.09 Mbit/s
95th percentile per-packet one-way delay: 37.219 ms
Loss rate: 0.28%

Run 9: Report of TCP Vegas — Data Link

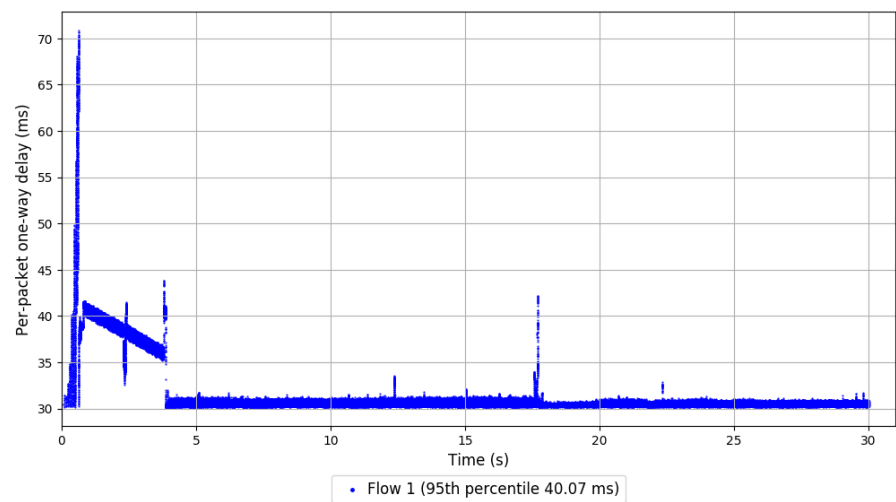
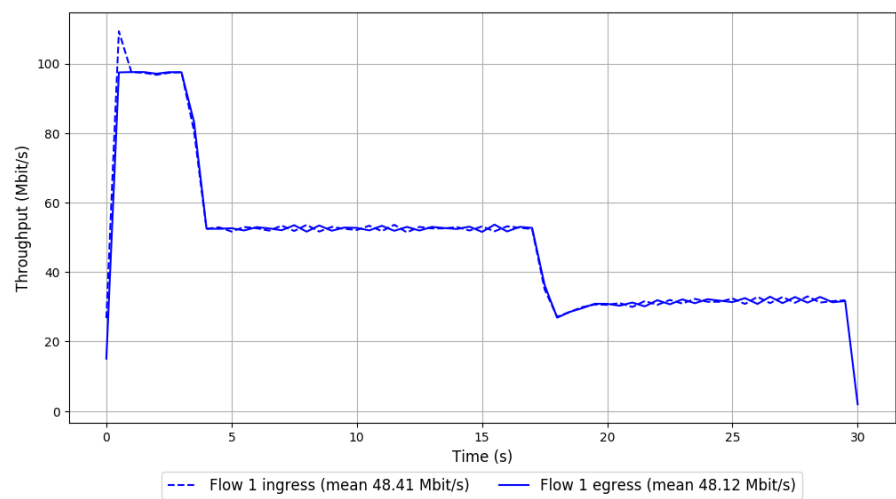


Run 10: Statistics of TCP Vegas

Start at: 2018-04-24 12:37:16
End at: 2018-04-24 12:37:46
Local clock offset: -0.353 ms
Remote clock offset: -1.801 ms

Below is generated by plot.py at 2018-04-24 13:26:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 48.12 Mbit/s
95th percentile per-packet one-way delay: 40.069 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 48.12 Mbit/s
95th percentile per-packet one-way delay: 40.069 ms
Loss rate: 0.60%

Run 10: Report of TCP Vegas — Data Link

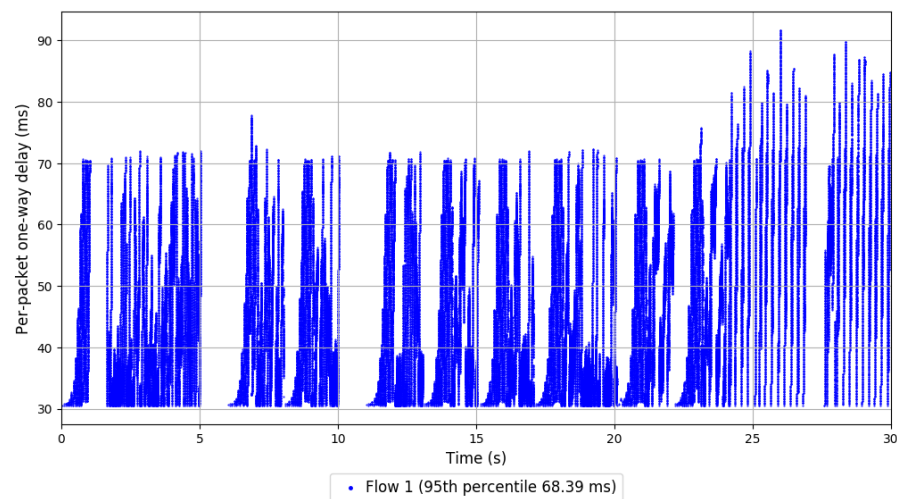
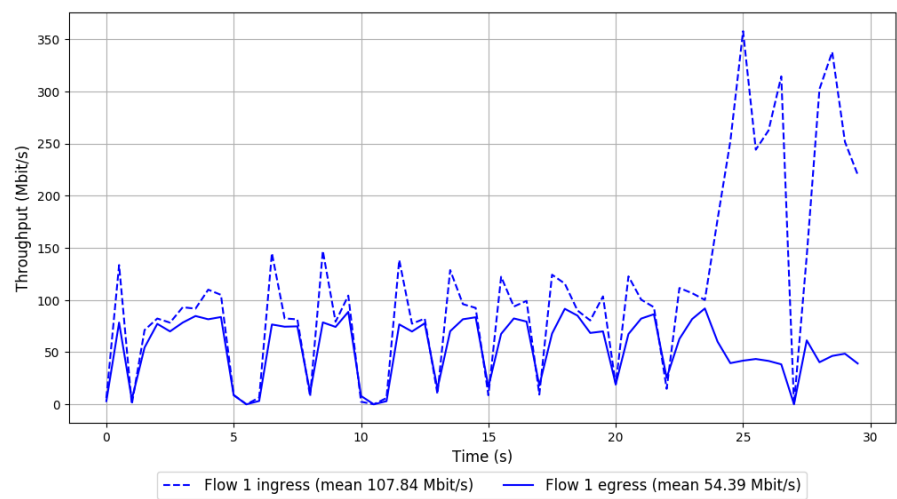


Run 1: Statistics of Verus

Start at: 2018-04-24 09:07:16
End at: 2018-04-24 09:07:46
Local clock offset: -0.541 ms
Remote clock offset: -2.368 ms

Below is generated by plot.py at 2018-04-24 13:26:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 54.39 Mbit/s
95th percentile per-packet one-way delay: 68.385 ms
Loss rate: 49.49%
-- Flow 1:
Average throughput: 54.39 Mbit/s
95th percentile per-packet one-way delay: 68.385 ms
Loss rate: 49.49%

Run 1: Report of Verus — Data Link

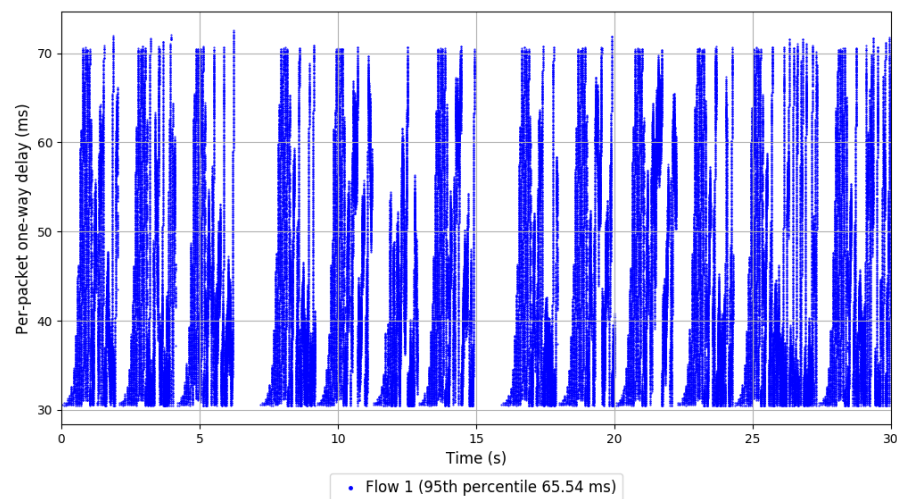
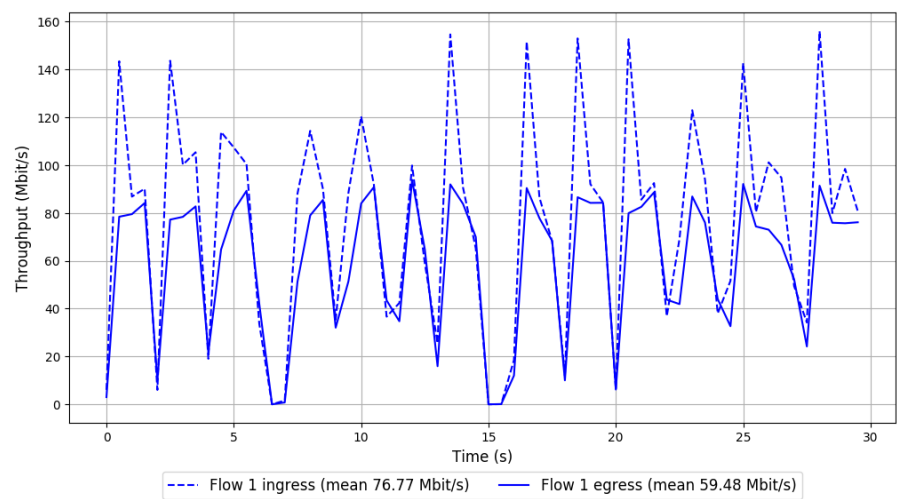


Run 2: Statistics of Verus

Start at: 2018-04-24 09:30:39
End at: 2018-04-24 09:31:09
Local clock offset: -0.38 ms
Remote clock offset: -2.066 ms

Below is generated by plot.py at 2018-04-24 13:26:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.48 Mbit/s
95th percentile per-packet one-way delay: 65.541 ms
Loss rate: 22.42%
-- Flow 1:
Average throughput: 59.48 Mbit/s
95th percentile per-packet one-way delay: 65.541 ms
Loss rate: 22.42%

Run 2: Report of Verus — Data Link

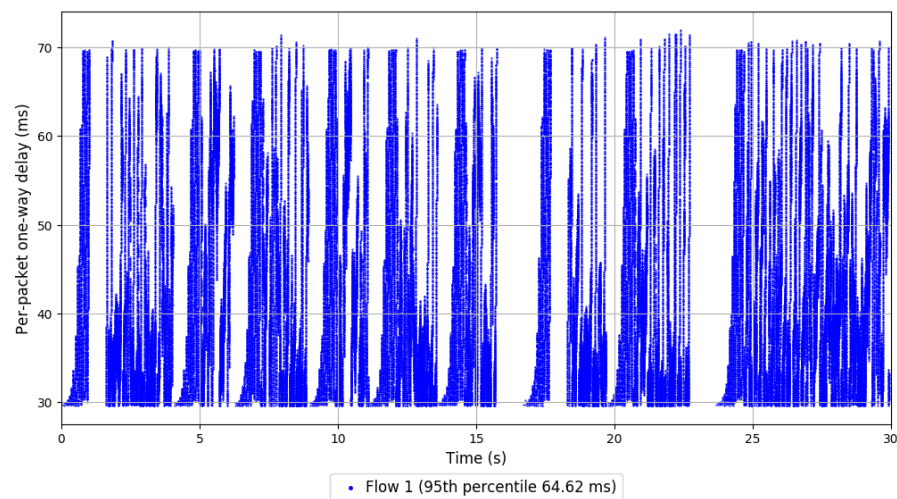
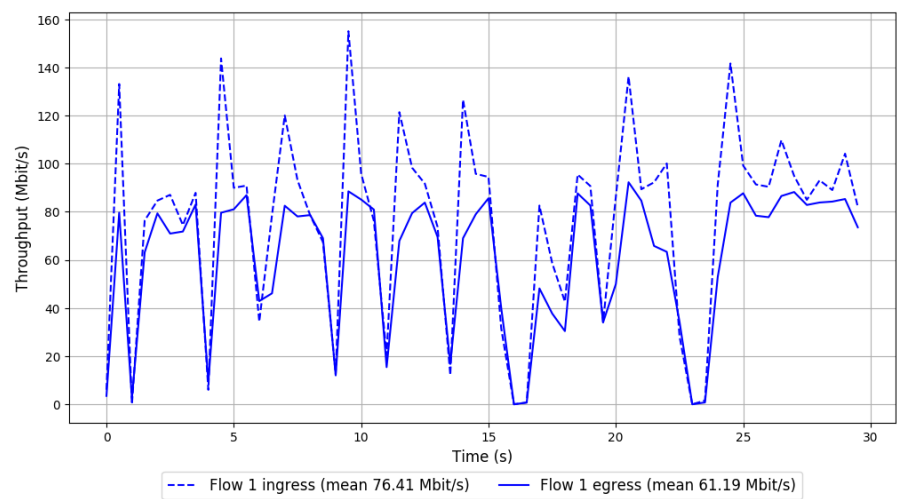


Run 3: Statistics of Verus

Start at: 2018-04-24 09:53:27
End at: 2018-04-24 09:53:57
Local clock offset: -0.774 ms
Remote clock offset: -1.721 ms

Below is generated by plot.py at 2018-04-24 13:26:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.19 Mbit/s
95th percentile per-packet one-way delay: 64.621 ms
Loss rate: 19.92%
-- Flow 1:
Average throughput: 61.19 Mbit/s
95th percentile per-packet one-way delay: 64.621 ms
Loss rate: 19.92%

Run 3: Report of Verus — Data Link

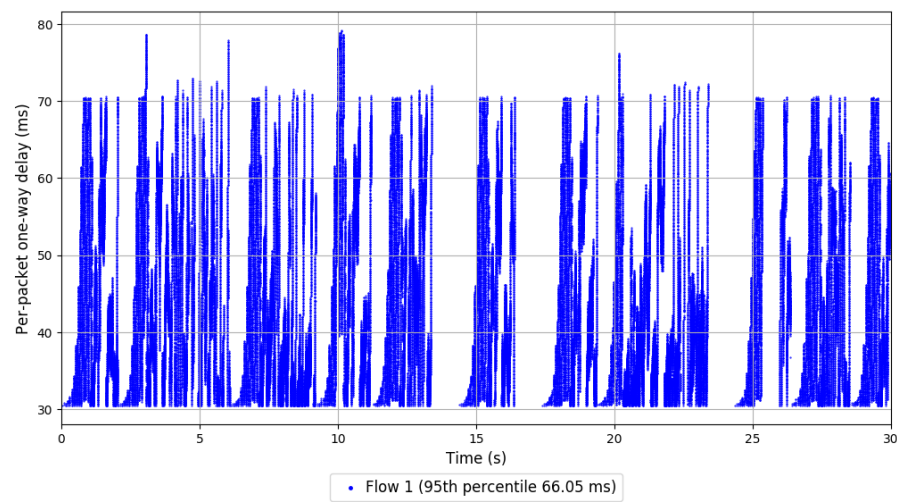
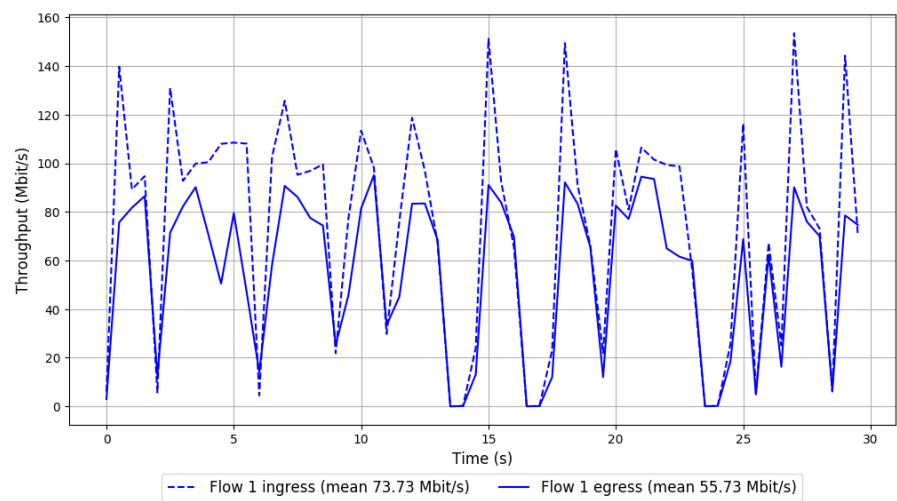


Run 4: Statistics of Verus

Start at: 2018-04-24 10:16:21
End at: 2018-04-24 10:16:51
Local clock offset: -0.764 ms
Remote clock offset: -1.663 ms

Below is generated by plot.py at 2018-04-24 13:26:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.73 Mbit/s
95th percentile per-packet one-way delay: 66.046 ms
Loss rate: 24.36%
-- Flow 1:
Average throughput: 55.73 Mbit/s
95th percentile per-packet one-way delay: 66.046 ms
Loss rate: 24.36%

Run 4: Report of Verus — Data Link

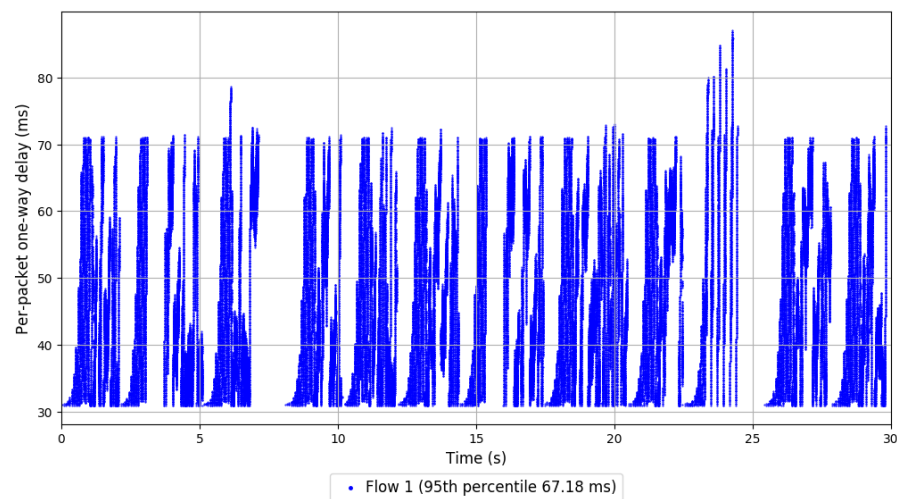
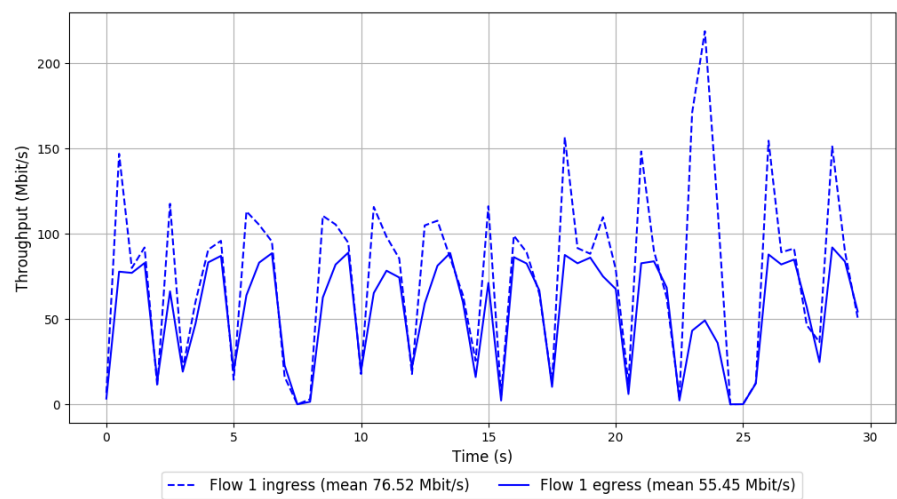


Run 5: Statistics of Verus

Start at: 2018-04-24 10:39:54
End at: 2018-04-24 10:40:24
Local clock offset: -0.523 ms
Remote clock offset: -1.333 ms

Below is generated by plot.py at 2018-04-24 13:26:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.45 Mbit/s
95th percentile per-packet one-way delay: 67.176 ms
Loss rate: 27.51%
-- Flow 1:
Average throughput: 55.45 Mbit/s
95th percentile per-packet one-way delay: 67.176 ms
Loss rate: 27.51%

Run 5: Report of Verus — Data Link

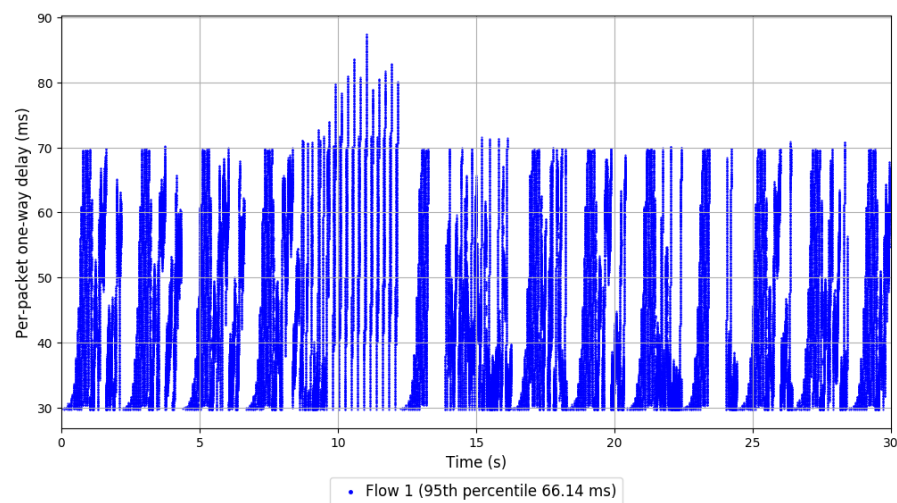
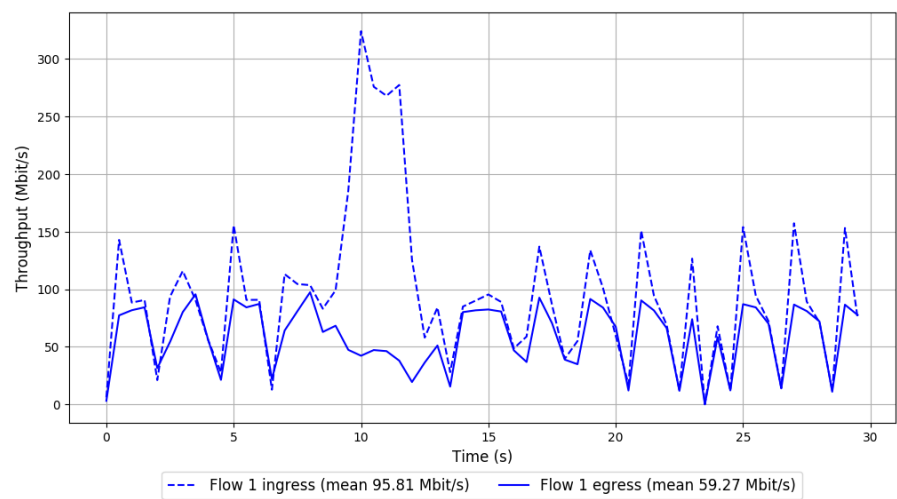


Run 6: Statistics of Verus

Start at: 2018-04-24 11:02:58
End at: 2018-04-24 11:03:28
Local clock offset: -0.519 ms
Remote clock offset: -1.362 ms

Below is generated by plot.py at 2018-04-24 13:27:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.27 Mbit/s
95th percentile per-packet one-way delay: 66.137 ms
Loss rate: 38.09%
-- Flow 1:
Average throughput: 59.27 Mbit/s
95th percentile per-packet one-way delay: 66.137 ms
Loss rate: 38.09%

Run 6: Report of Verus — Data Link

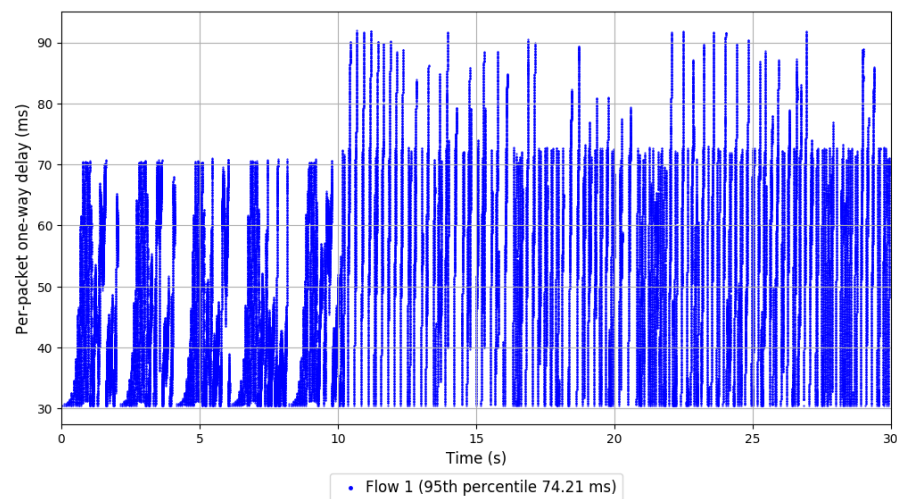
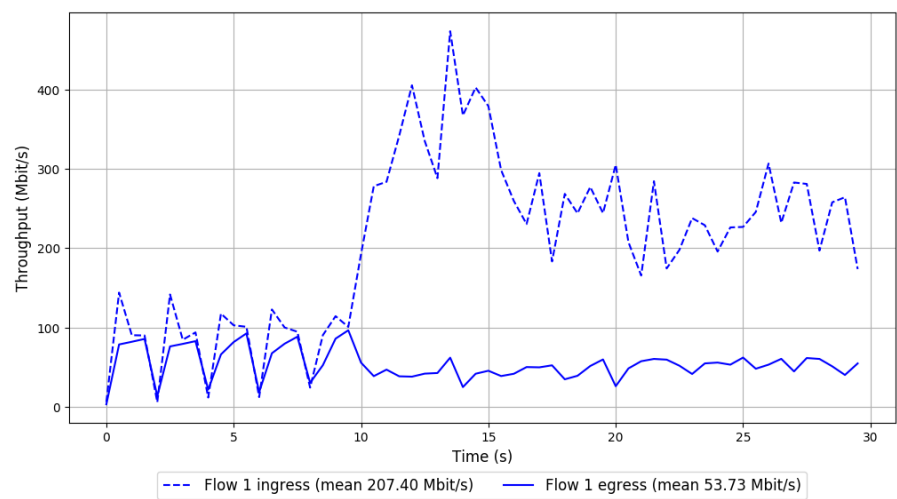


Run 7: Statistics of Verus

Start at: 2018-04-24 11:25:42
End at: 2018-04-24 11:26:12
Local clock offset: -0.549 ms
Remote clock offset: -3.022 ms

Below is generated by plot.py at 2018-04-24 13:27:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 53.73 Mbit/s
95th percentile per-packet one-way delay: 74.213 ms
Loss rate: 74.06%
-- Flow 1:
Average throughput: 53.73 Mbit/s
95th percentile per-packet one-way delay: 74.213 ms
Loss rate: 74.06%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-04-24 11:48:30

End at: 2018-04-24 11:49:00

Local clock offset: -0.634 ms

Remote clock offset: -3.21 ms

Below is generated by plot.py at 2018-04-24 13:27:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.81 Mbit/s

95th percentile per-packet one-way delay: 69.926 ms

Loss rate: 64.02%

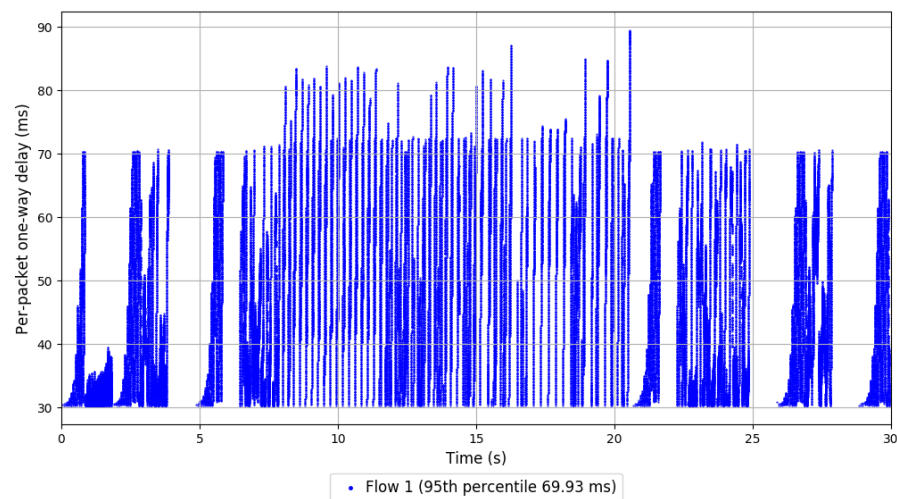
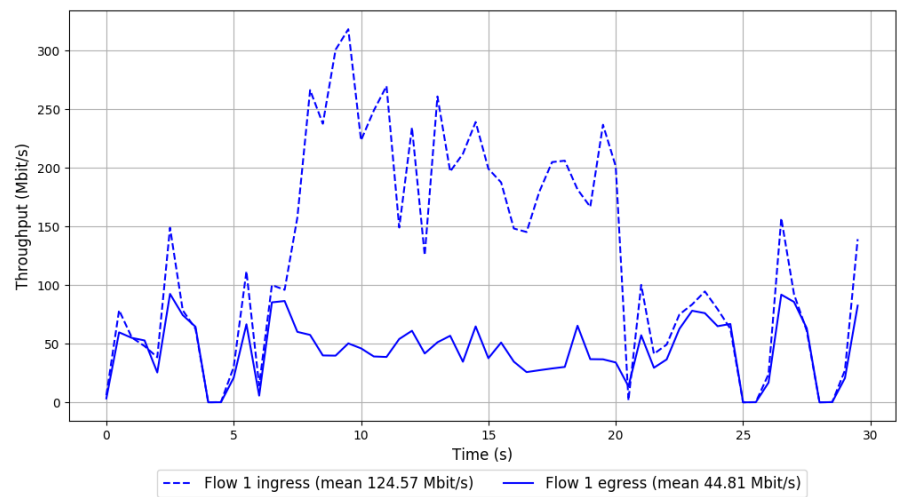
-- Flow 1:

Average throughput: 44.81 Mbit/s

95th percentile per-packet one-way delay: 69.926 ms

Loss rate: 64.02%

Run 8: Report of Verus — Data Link

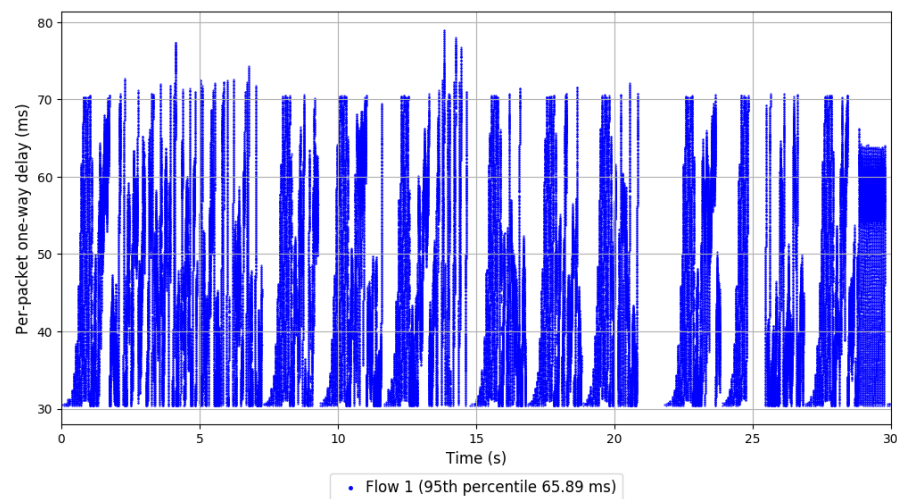
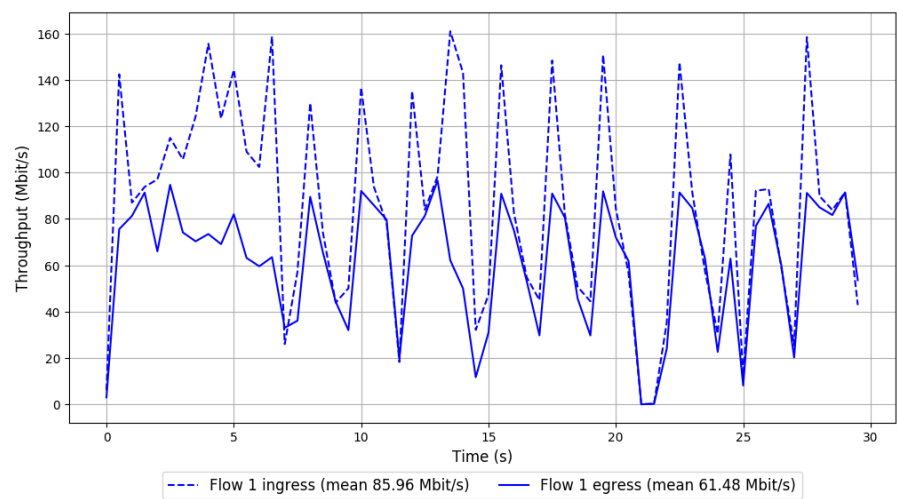


Run 9: Statistics of Verus

Start at: 2018-04-24 12:11:19
End at: 2018-04-24 12:11:49
Local clock offset: -0.422 ms
Remote clock offset: -3.728 ms

Below is generated by plot.py at 2018-04-24 13:27:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.48 Mbit/s
95th percentile per-packet one-way delay: 65.886 ms
Loss rate: 28.48%
-- Flow 1:
Average throughput: 61.48 Mbit/s
95th percentile per-packet one-way delay: 65.886 ms
Loss rate: 28.48%

Run 9: Report of Verus — Data Link

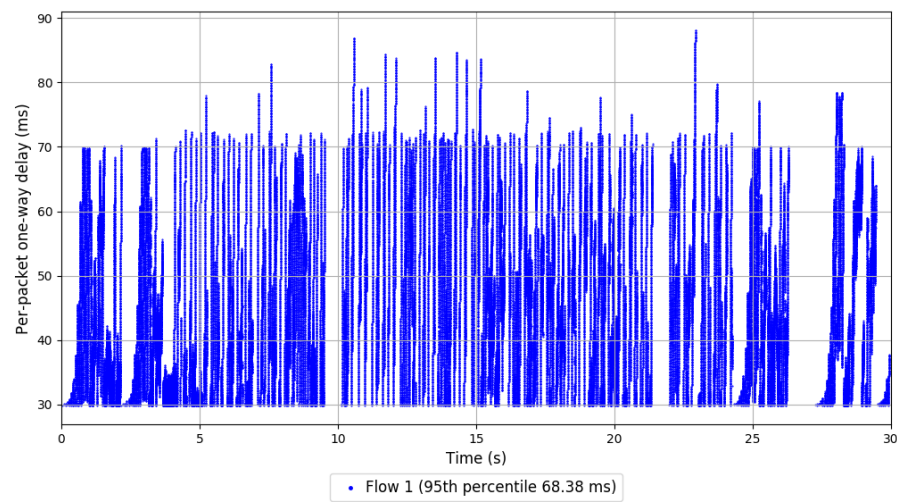
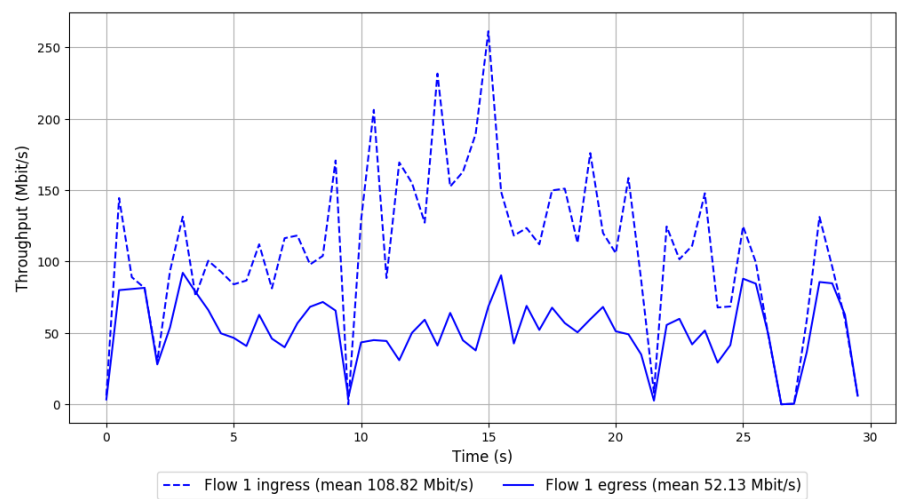


Run 10: Statistics of Verus

Start at: 2018-04-24 12:34:33
End at: 2018-04-24 12:35:03
Local clock offset: -0.409 ms
Remote clock offset: -2.285 ms

Below is generated by plot.py at 2018-04-24 13:27:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 52.13 Mbit/s
95th percentile per-packet one-way delay: 68.375 ms
Loss rate: 52.08%
-- Flow 1:
Average throughput: 52.13 Mbit/s
95th percentile per-packet one-way delay: 68.375 ms
Loss rate: 52.08%

Run 10: Report of Verus — Data Link

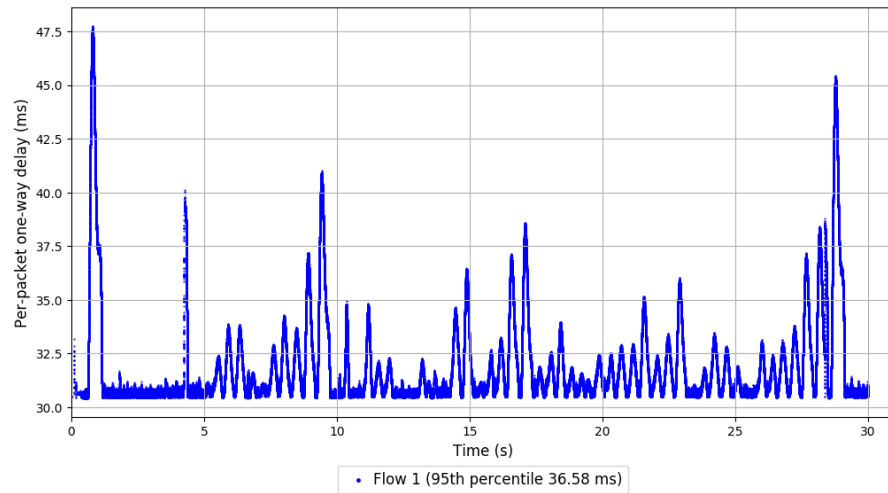
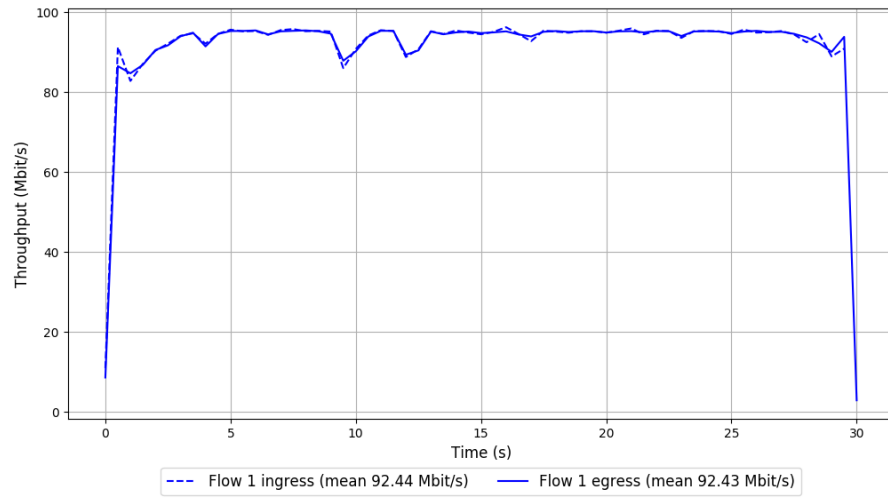


Run 1: Statistics of Copa

Start at: 2018-04-24 09:11:34
End at: 2018-04-24 09:12:04
Local clock offset: -0.375 ms
Remote clock offset: -2.377 ms

Below is generated by plot.py at 2018-04-24 13:29:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.43 Mbit/s
95th percentile per-packet one-way delay: 36.584 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 92.43 Mbit/s
95th percentile per-packet one-way delay: 36.584 ms
Loss rate: 0.01%

Run 1: Report of Copa — Data Link

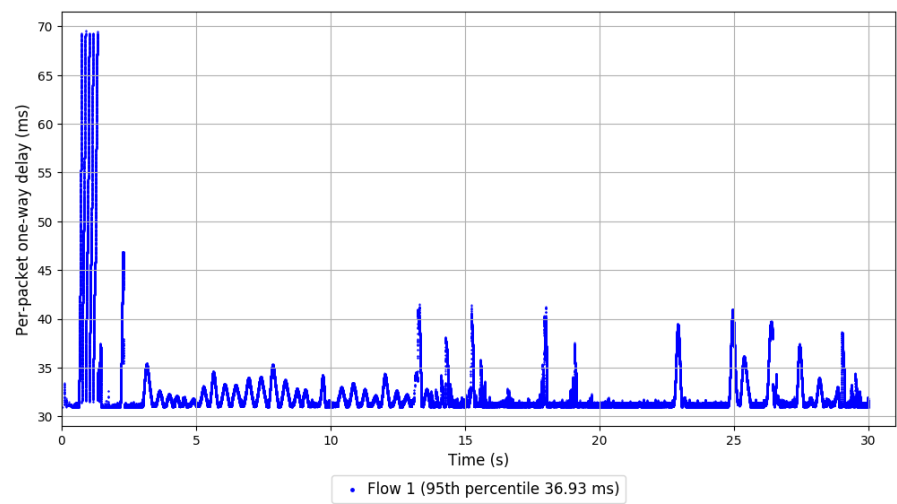
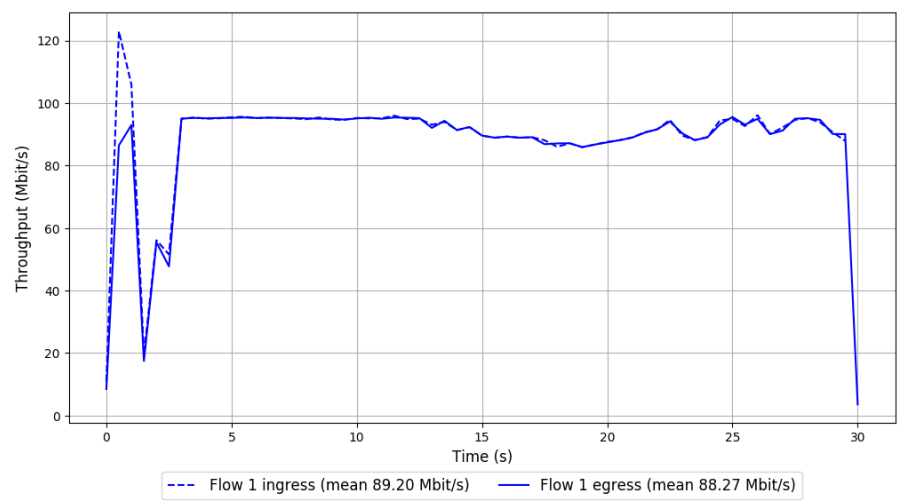


Run 2: Statistics of Copa

Start at: 2018-04-24 09:34:47
End at: 2018-04-24 09:35:17
Local clock offset: -0.301 ms
Remote clock offset: -1.398 ms

Below is generated by plot.py at 2018-04-24 13:29:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.27 Mbit/s
95th percentile per-packet one-way delay: 36.926 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 88.27 Mbit/s
95th percentile per-packet one-way delay: 36.926 ms
Loss rate: 1.03%

Run 2: Report of Copa — Data Link

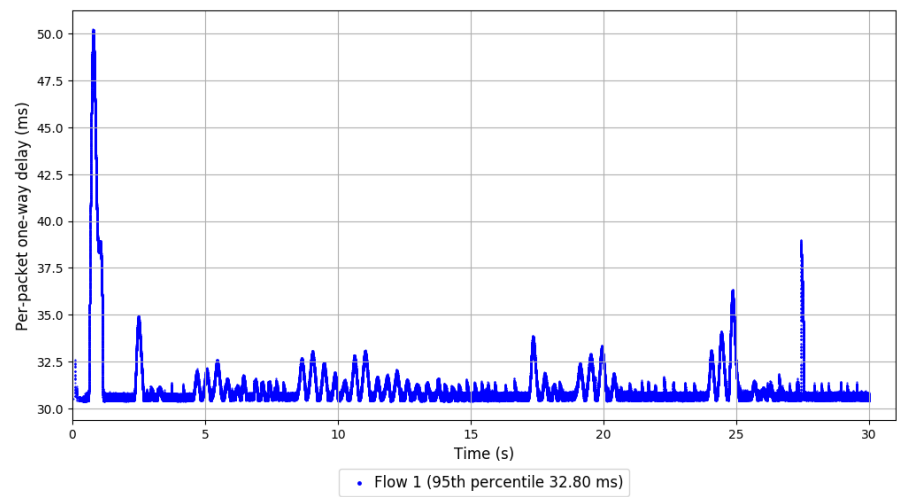
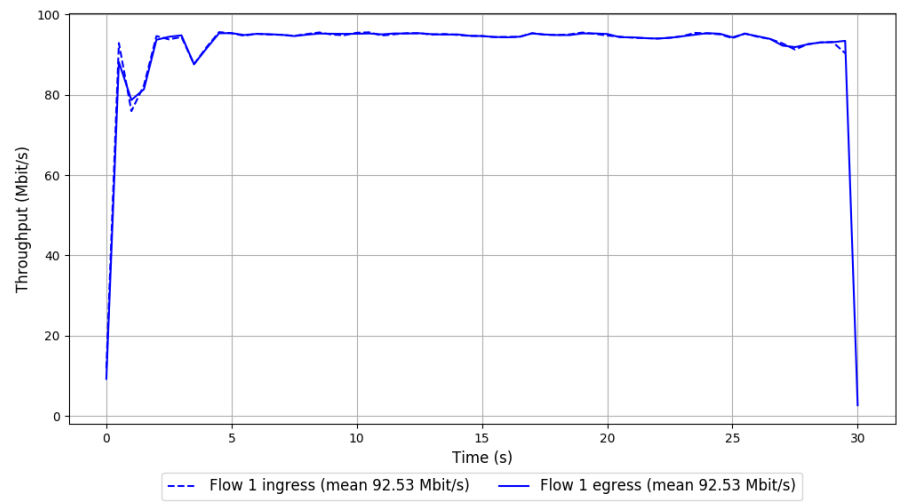


Run 3: Statistics of Copa

Start at: 2018-04-24 09:57:31
End at: 2018-04-24 09:58:01
Local clock offset: -0.846 ms
Remote clock offset: -1.722 ms

Below is generated by plot.py at 2018-04-24 13:29:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.53 Mbit/s
95th percentile per-packet one-way delay: 32.796 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.53 Mbit/s
95th percentile per-packet one-way delay: 32.796 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

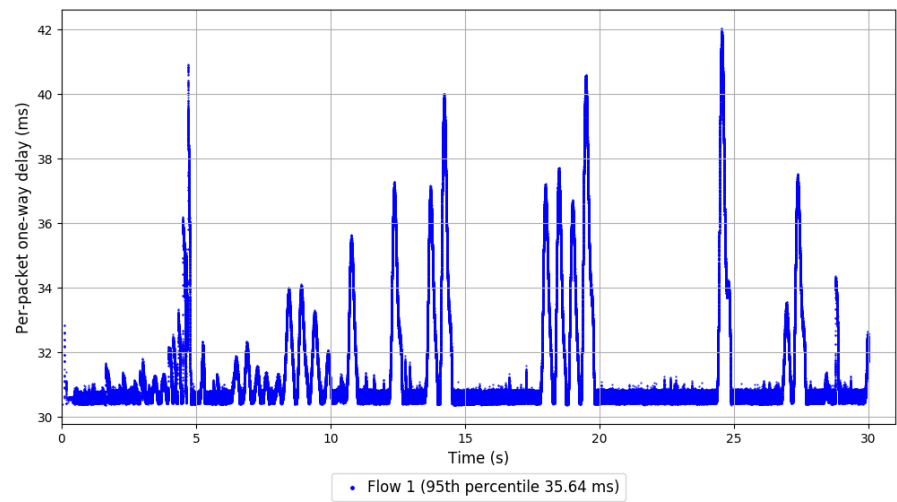
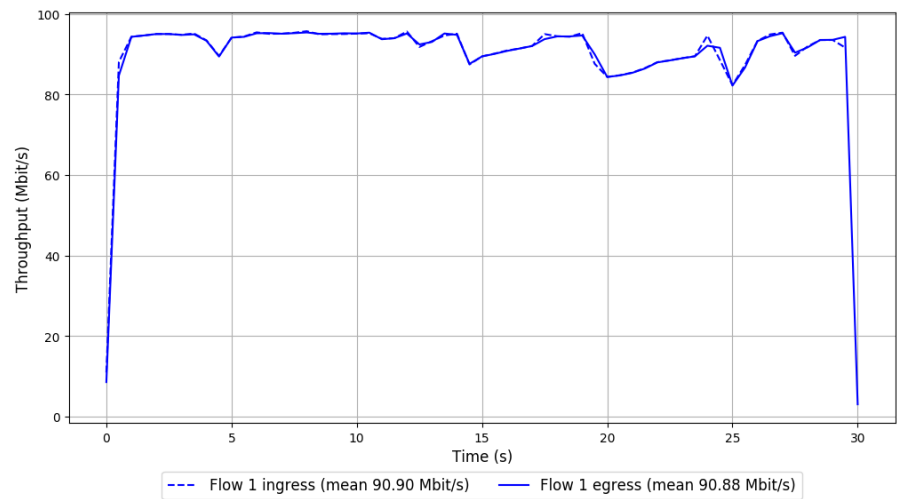


Run 4: Statistics of Copa

Start at: 2018-04-24 10:20:28
End at: 2018-04-24 10:20:58
Local clock offset: -0.646 ms
Remote clock offset: -1.665 ms

Below is generated by plot.py at 2018-04-24 13:30:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.88 Mbit/s
95th percentile per-packet one-way delay: 35.640 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 90.88 Mbit/s
95th percentile per-packet one-way delay: 35.640 ms
Loss rate: 0.01%

Run 4: Report of Copa — Data Link

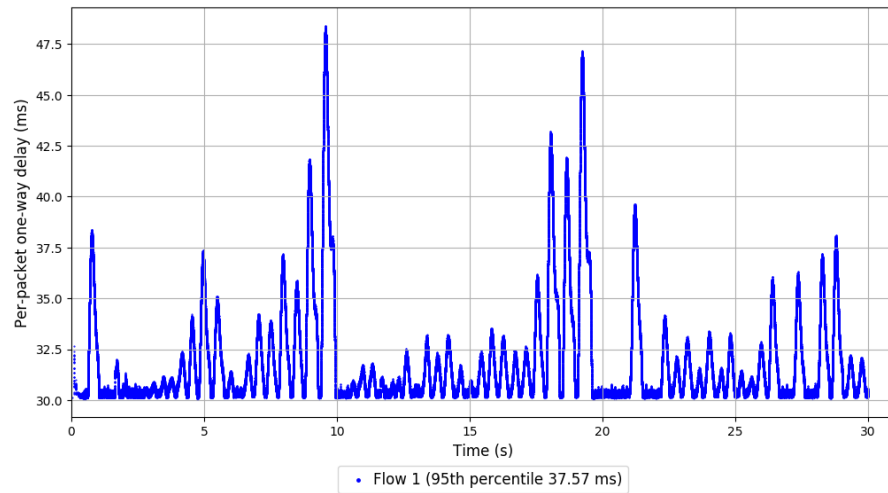
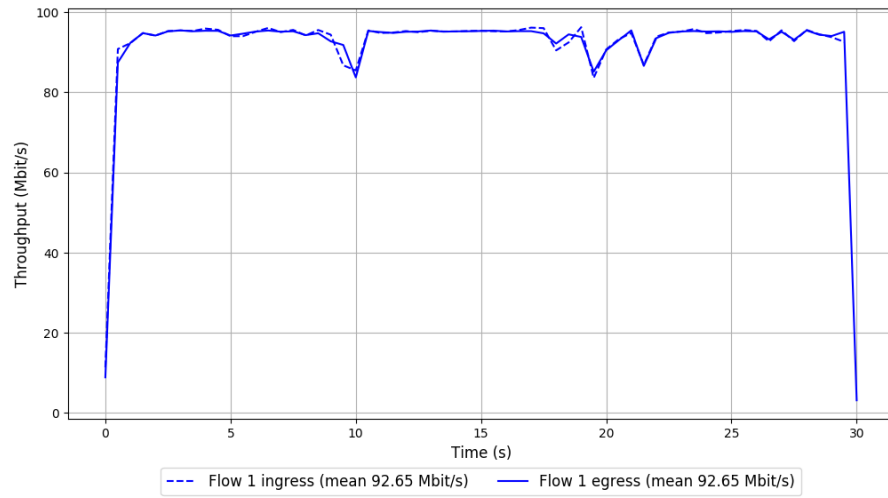


Run 5: Statistics of Copa

Start at: 2018-04-24 10:44:08
End at: 2018-04-24 10:44:38
Local clock offset: -0.486 ms
Remote clock offset: -1.303 ms

Below is generated by plot.py at 2018-04-24 13:30:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.65 Mbit/s
95th percentile per-packet one-way delay: 37.570 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.65 Mbit/s
95th percentile per-packet one-way delay: 37.570 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

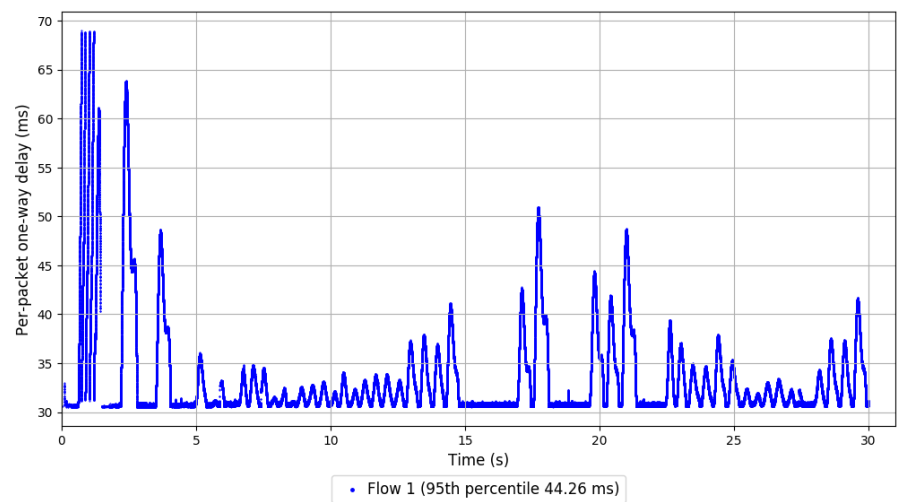
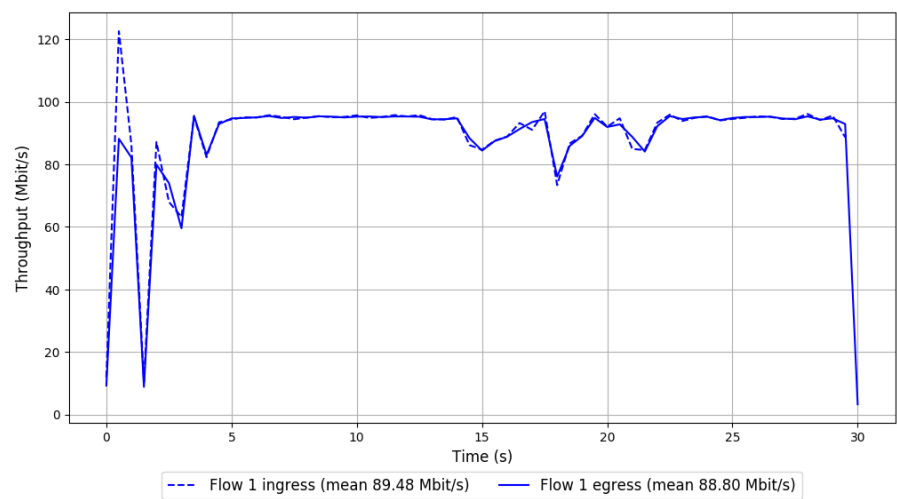


Run 6: Statistics of Copa

Start at: 2018-04-24 11:07:02
End at: 2018-04-24 11:07:32
Local clock offset: -0.654 ms
Remote clock offset: -1.505 ms

Below is generated by plot.py at 2018-04-24 13:30:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.80 Mbit/s
95th percentile per-packet one-way delay: 44.261 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 88.80 Mbit/s
95th percentile per-packet one-way delay: 44.261 ms
Loss rate: 0.76%

Run 6: Report of Copa — Data Link

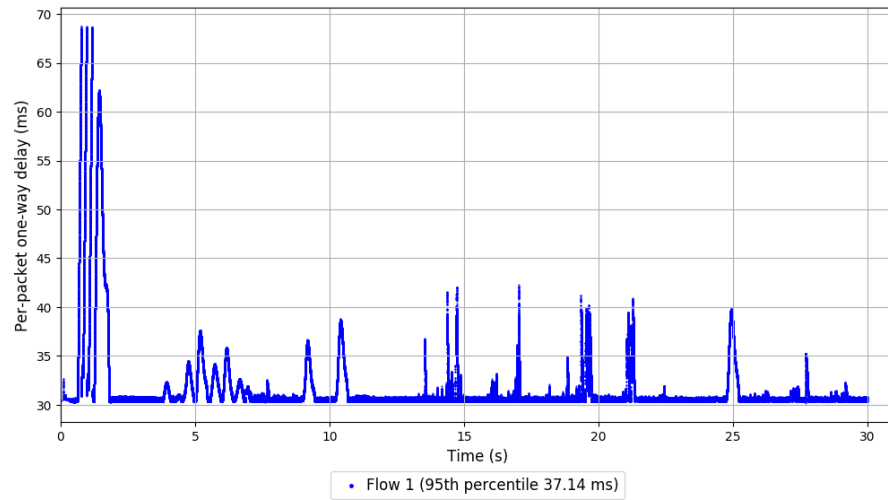
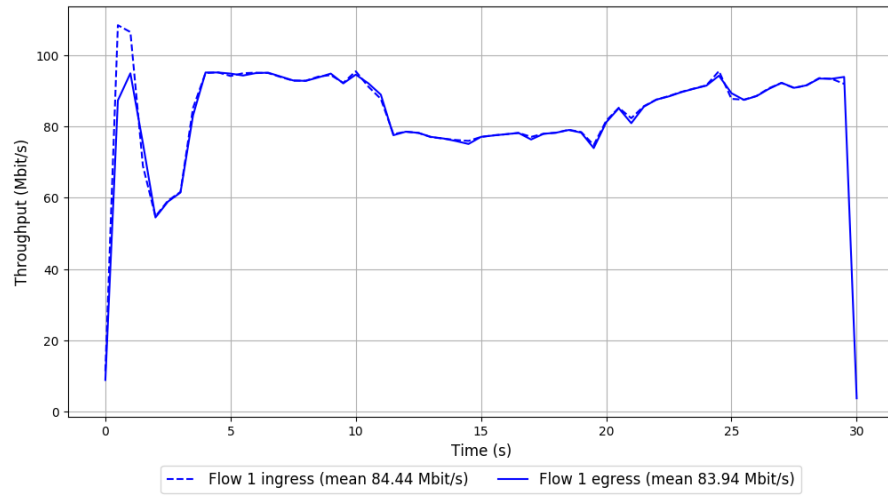


Run 7: Statistics of Copa

Start at: 2018-04-24 11:29:47
End at: 2018-04-24 11:30:17
Local clock offset: -0.616 ms
Remote clock offset: -2.726 ms

Below is generated by plot.py at 2018-04-24 13:30:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.94 Mbit/s
95th percentile per-packet one-way delay: 37.138 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 83.94 Mbit/s
95th percentile per-packet one-way delay: 37.138 ms
Loss rate: 0.60%

Run 7: Report of Copa — Data Link

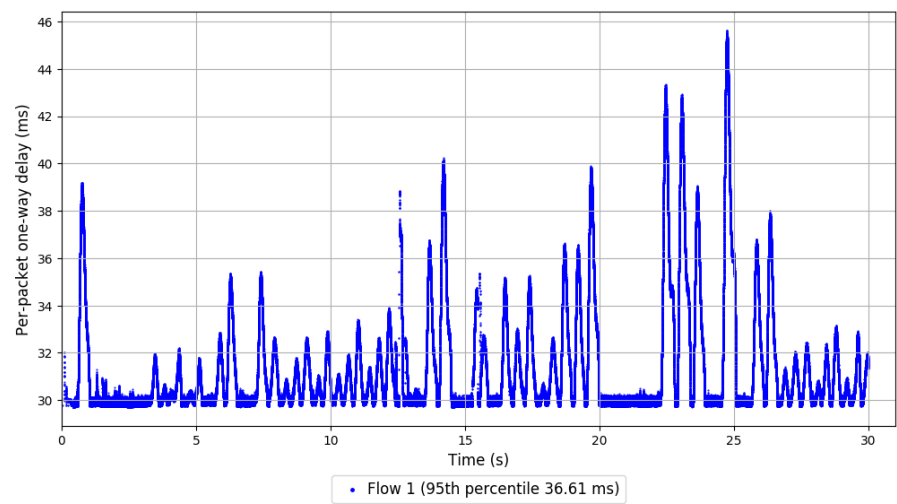
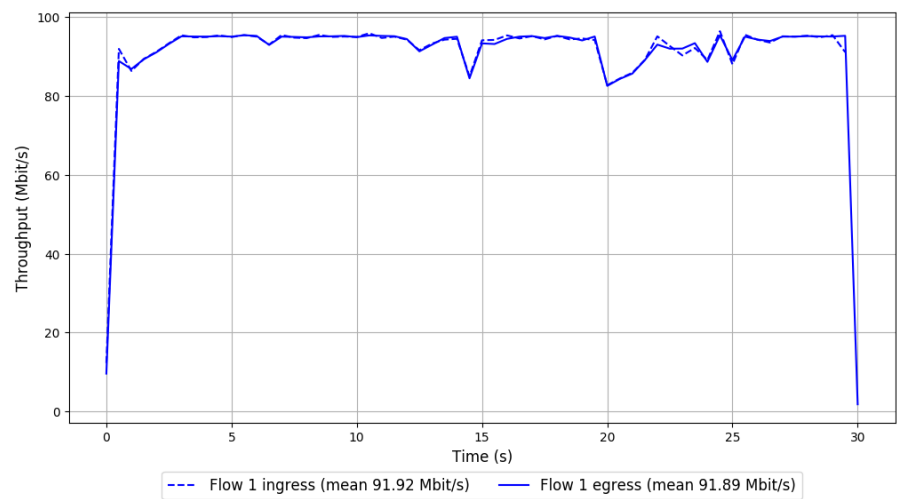


Run 8: Statistics of Copa

Start at: 2018-04-24 11:52:39
End at: 2018-04-24 11:53:09
Local clock offset: -0.551 ms
Remote clock offset: -3.725 ms

Below is generated by plot.py at 2018-04-24 13:30:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.89 Mbit/s
95th percentile per-packet one-way delay: 36.611 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 91.89 Mbit/s
95th percentile per-packet one-way delay: 36.611 ms
Loss rate: 0.04%

Run 8: Report of Copa — Data Link

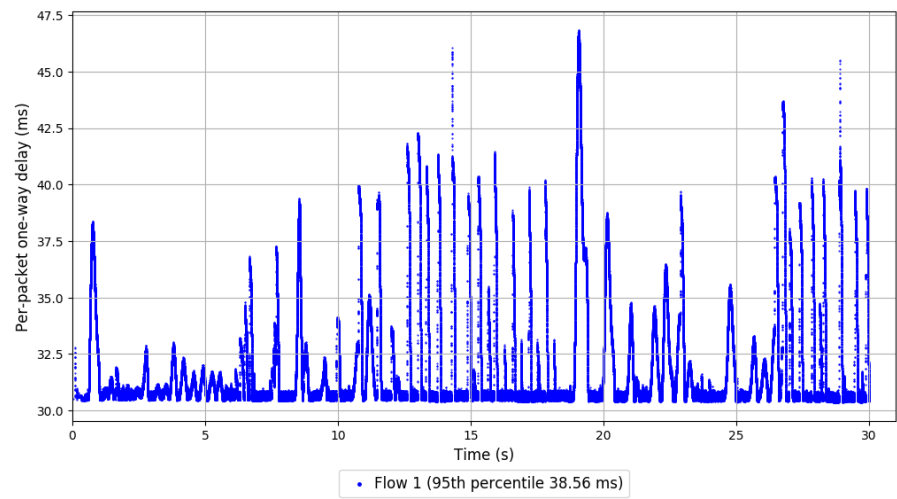
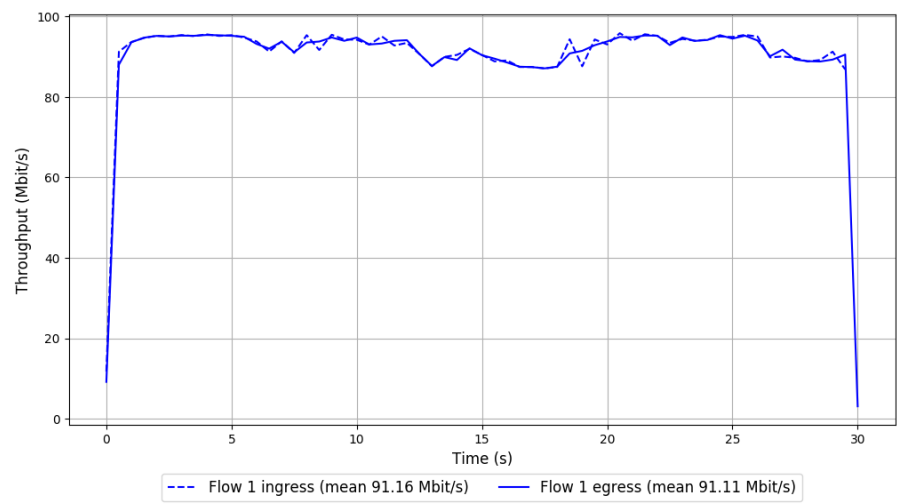


Run 9: Statistics of Copa

Start at: 2018-04-24 12:15:22
End at: 2018-04-24 12:15:52
Local clock offset: -0.509 ms
Remote clock offset: -3.573 ms

Below is generated by plot.py at 2018-04-24 13:31:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.11 Mbit/s
95th percentile per-packet one-way delay: 38.562 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 91.11 Mbit/s
95th percentile per-packet one-way delay: 38.562 ms
Loss rate: 0.05%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-04-24 12:38:34

End at: 2018-04-24 12:39:04

Local clock offset: -0.48 ms

Remote clock offset: -2.258 ms

Below is generated by plot.py at 2018-04-24 13:32:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.36 Mbit/s

95th percentile per-packet one-way delay: 57.677 ms

Loss rate: 49.74%

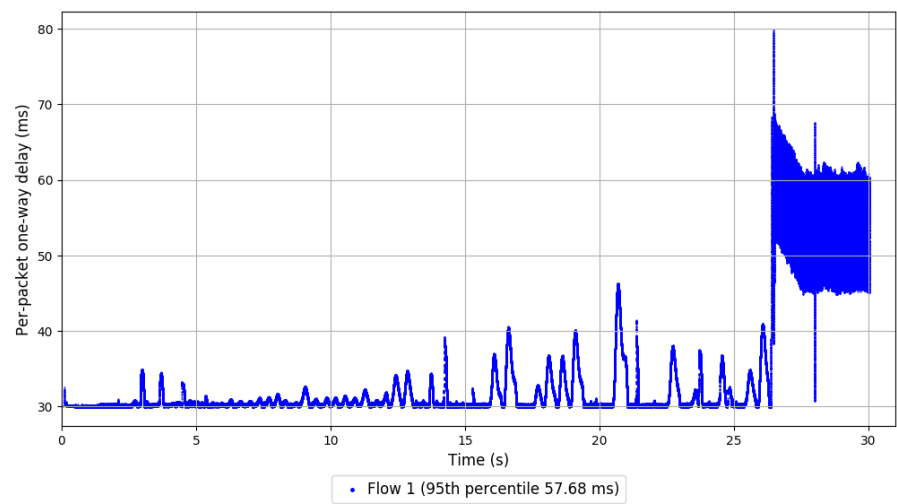
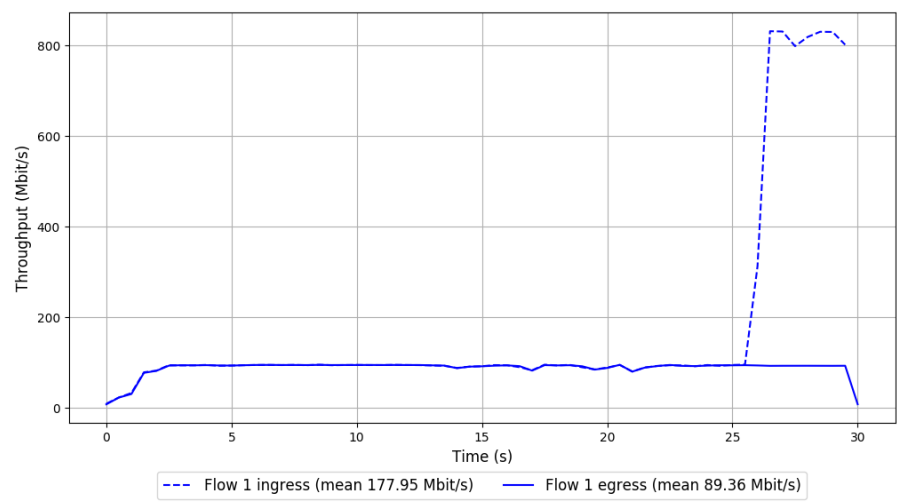
-- Flow 1:

Average throughput: 89.36 Mbit/s

95th percentile per-packet one-way delay: 57.677 ms

Loss rate: 49.74%

Run 10: Report of Copa — Data Link

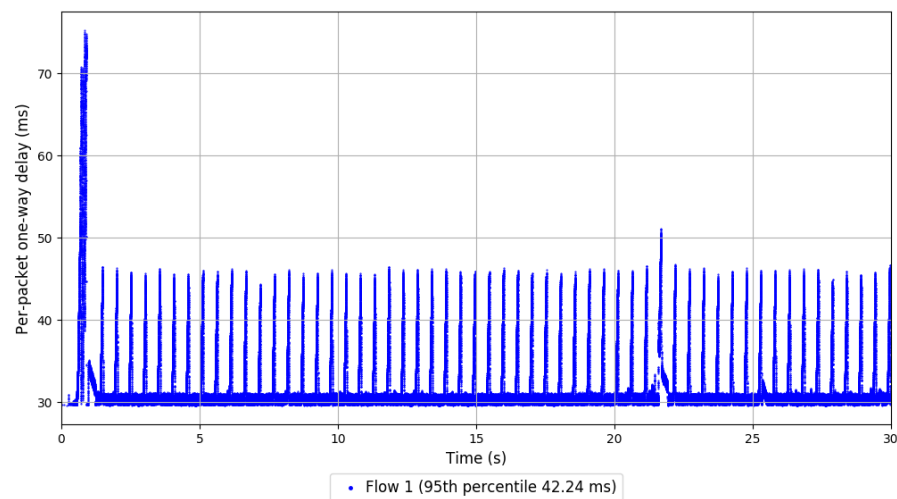
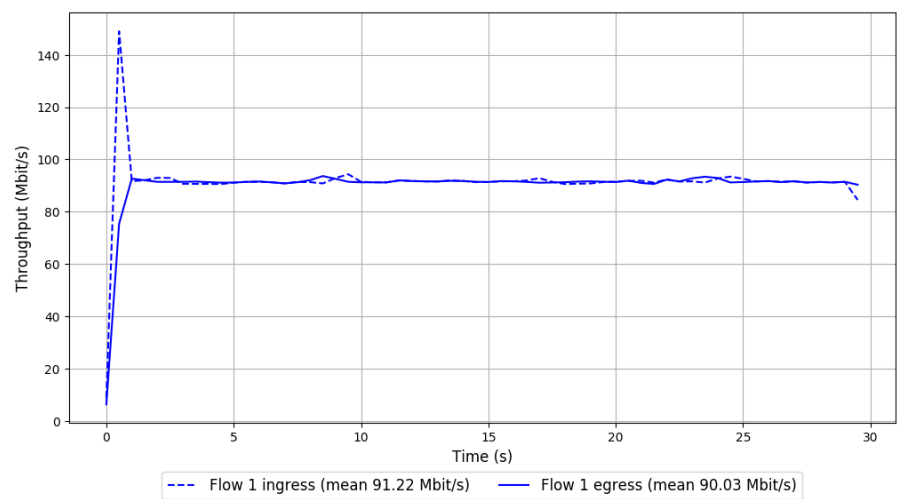


Run 1: Statistics of FillP

Start at: 2018-04-24 09:01:37
End at: 2018-04-24 09:02:07
Local clock offset: -0.57 ms
Remote clock offset: -2.313 ms

Below is generated by plot.py at 2018-04-24 13:32:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.03 Mbit/s
95th percentile per-packet one-way delay: 42.239 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 90.03 Mbit/s
95th percentile per-packet one-way delay: 42.239 ms
Loss rate: 1.29%

Run 1: Report of FillP — Data Link

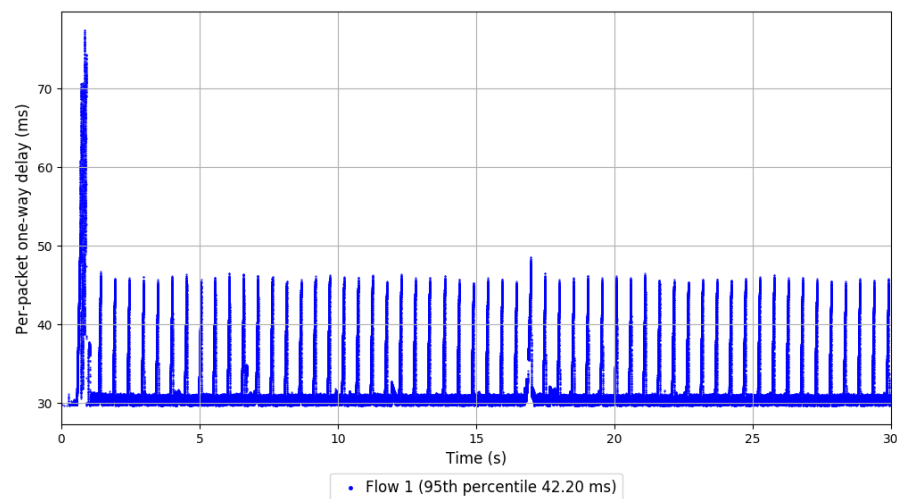
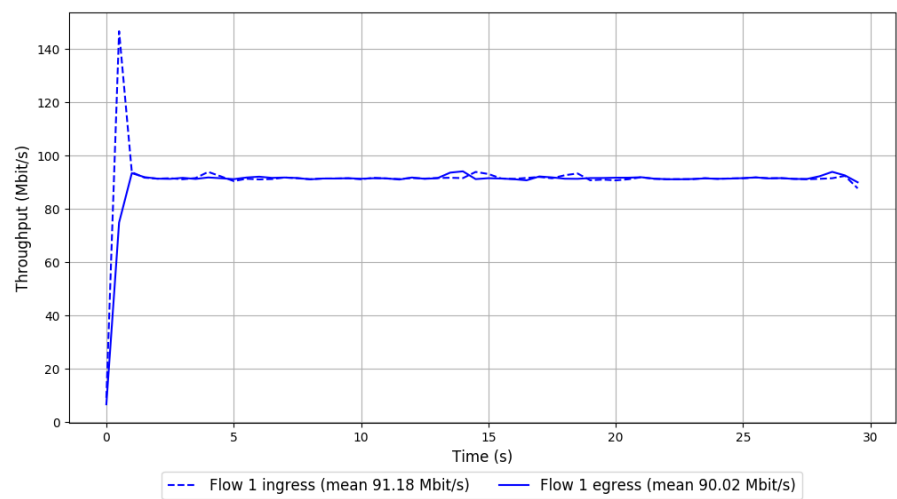


Run 2: Statistics of FillP

Start at: 2018-04-24 09:25:12
End at: 2018-04-24 09:25:42
Local clock offset: -0.266 ms
Remote clock offset: -2.252 ms

Below is generated by plot.py at 2018-04-24 13:32:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.02 Mbit/s
95th percentile per-packet one-way delay: 42.202 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 90.02 Mbit/s
95th percentile per-packet one-way delay: 42.202 ms
Loss rate: 1.27%

Run 2: Report of FillP — Data Link

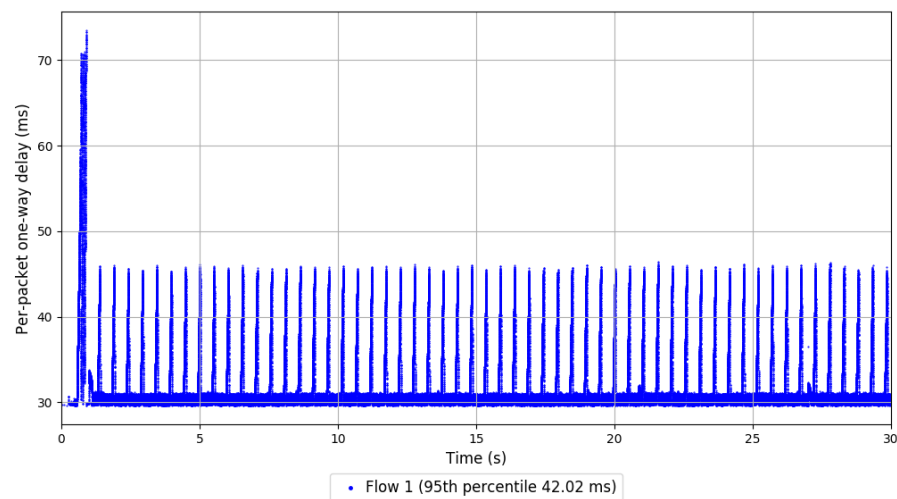
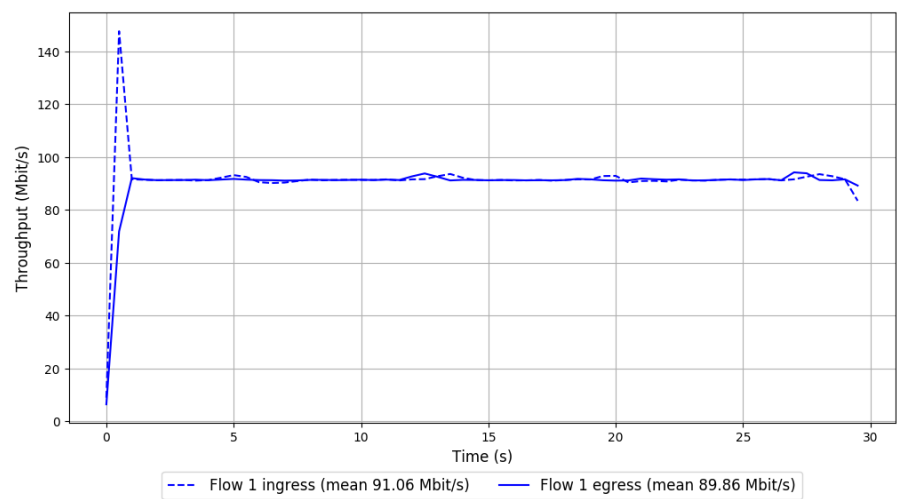


Run 3: Statistics of FillP

Start at: 2018-04-24 09:48:08
End at: 2018-04-24 09:48:38
Local clock offset: -0.69 ms
Remote clock offset: -1.829 ms

Below is generated by plot.py at 2018-04-24 13:32:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.86 Mbit/s
95th percentile per-packet one-way delay: 42.025 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 89.86 Mbit/s
95th percentile per-packet one-way delay: 42.025 ms
Loss rate: 1.32%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

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

End at: 2018-04-24 10:11:23

Local clock offset: -0.989 ms

Remote clock offset: -1.78 ms

Below is generated by plot.py at 2018-04-24 13:32:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.94 Mbit/s

95th percentile per-packet one-way delay: 42.953 ms

Loss rate: 1.28%

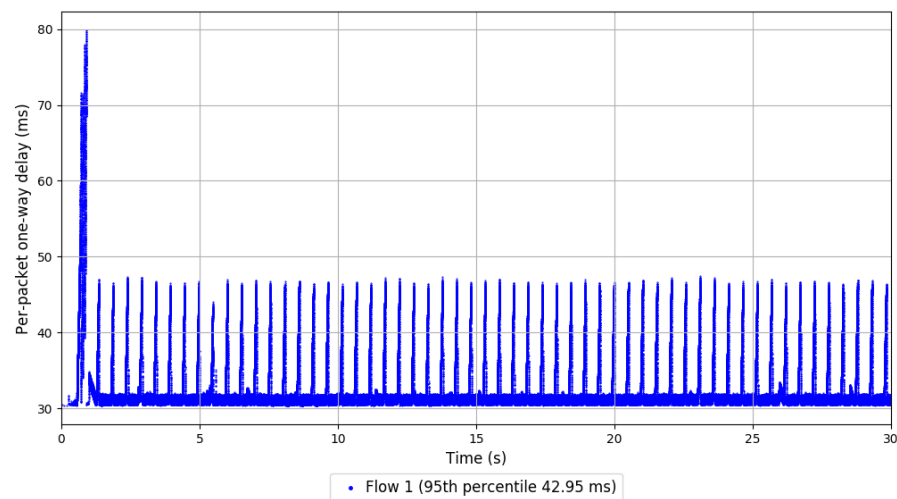
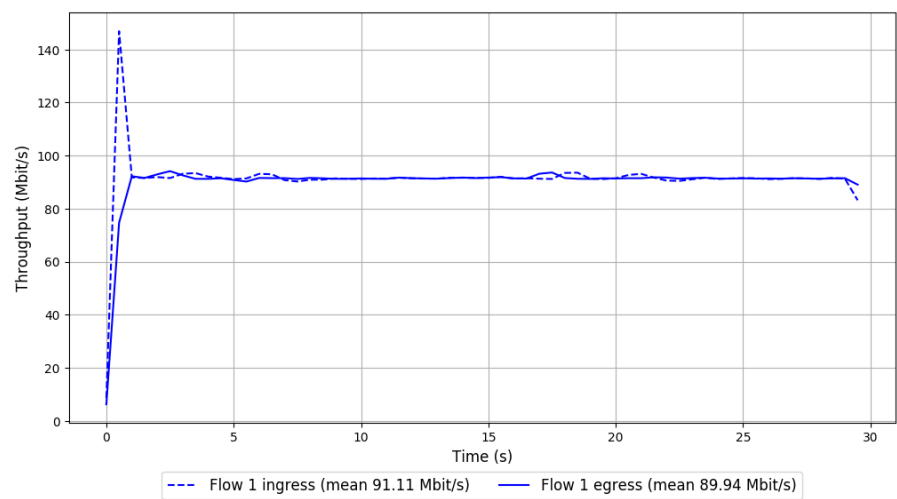
-- Flow 1:

Average throughput: 89.94 Mbit/s

95th percentile per-packet one-way delay: 42.953 ms

Loss rate: 1.28%

Run 4: Report of FillP — Data Link

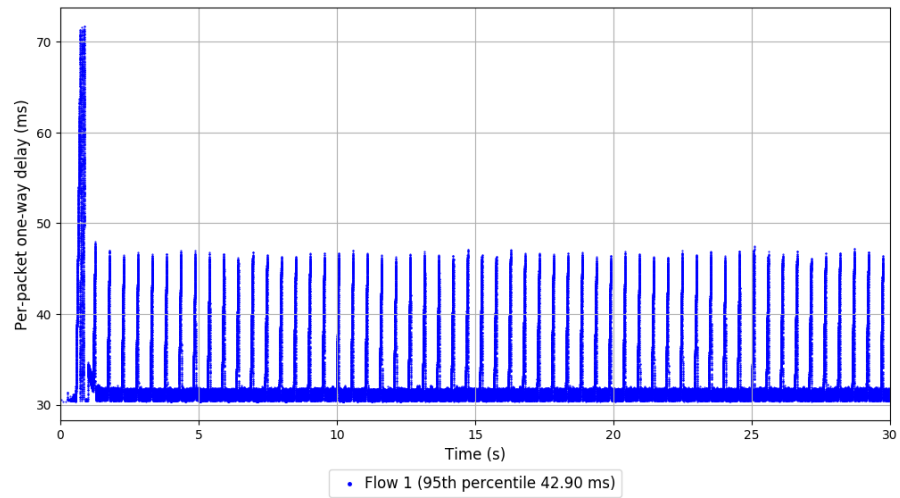
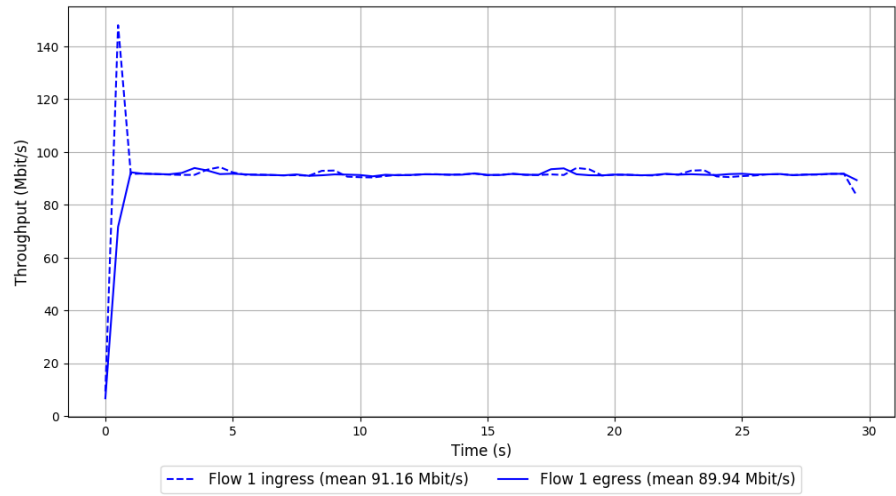


Run 5: Statistics of FillP

Start at: 2018-04-24 10:34:23
End at: 2018-04-24 10:34:53
Local clock offset: -0.516 ms
Remote clock offset: -1.756 ms

Below is generated by plot.py at 2018-04-24 13:32:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.94 Mbit/s
95th percentile per-packet one-way delay: 42.900 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 89.94 Mbit/s
95th percentile per-packet one-way delay: 42.900 ms
Loss rate: 1.34%

Run 5: Report of FillP — Data Link

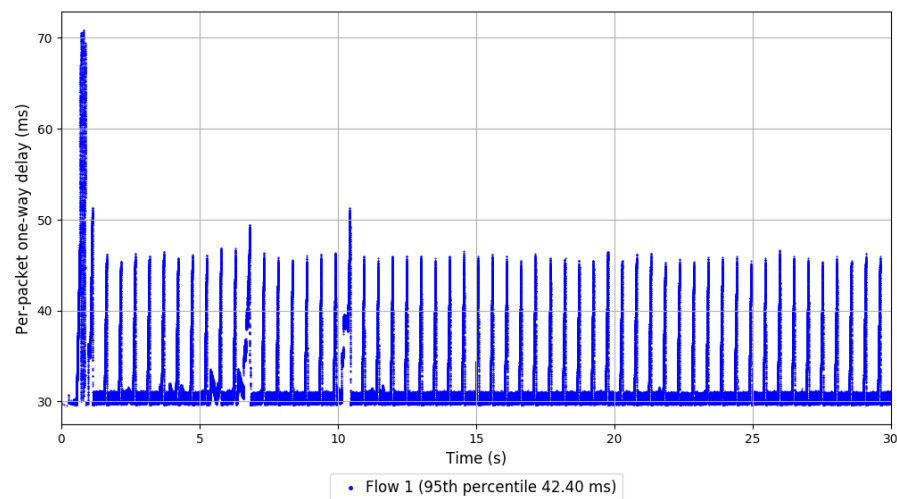
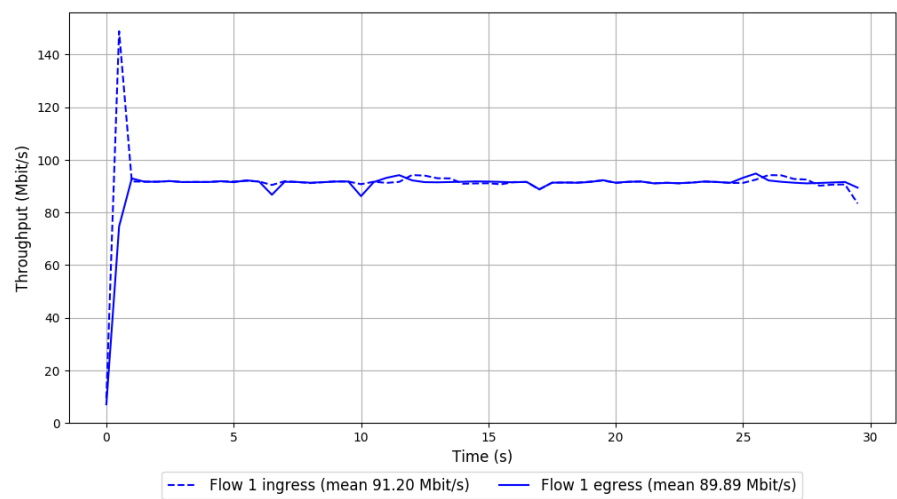


Run 6: Statistics of FillP

Start at: 2018-04-24 10:57:38
End at: 2018-04-24 10:58:08
Local clock offset: -0.5 ms
Remote clock offset: -1.425 ms

Below is generated by plot.py at 2018-04-24 13:32:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.89 Mbit/s
95th percentile per-packet one-way delay: 42.398 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 89.89 Mbit/s
95th percentile per-packet one-way delay: 42.398 ms
Loss rate: 1.43%

Run 6: Report of FillP — Data Link

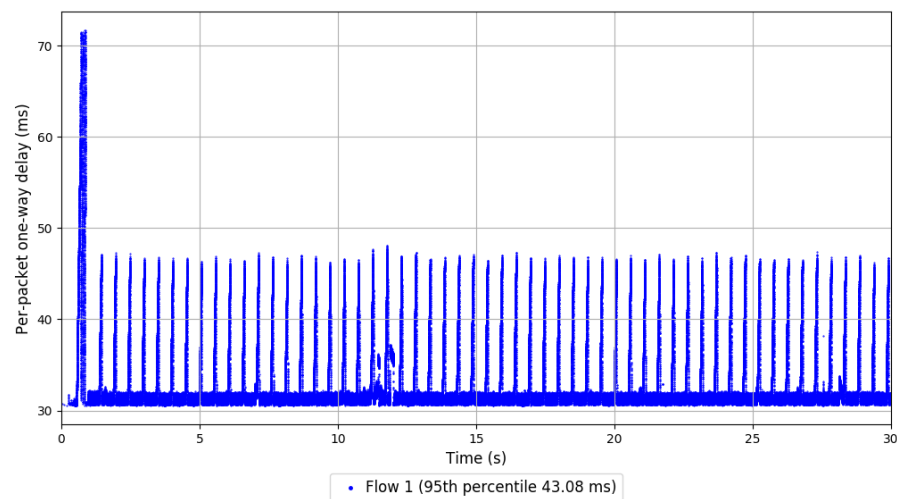
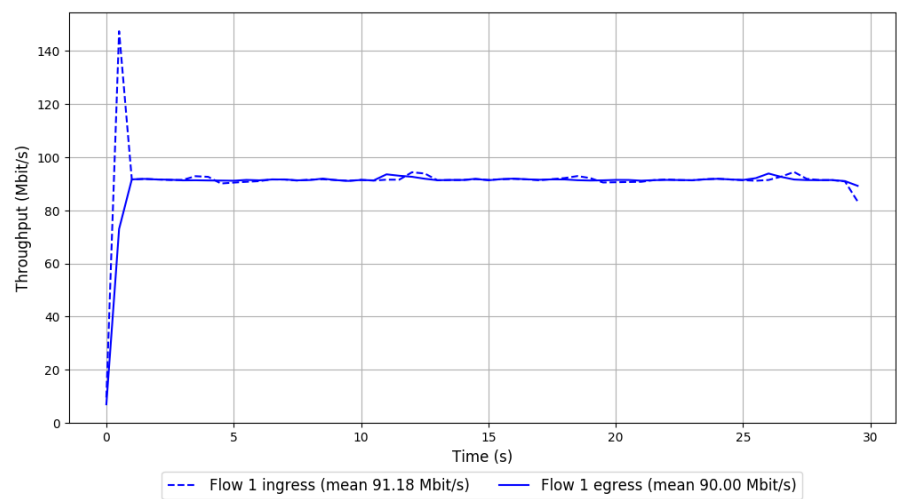


Run 7: Statistics of FillP

Start at: 2018-04-24 11:20:22
End at: 2018-04-24 11:20:52
Local clock offset: -0.636 ms
Remote clock offset: -2.662 ms

Below is generated by plot.py at 2018-04-24 13:32:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.00 Mbit/s
95th percentile per-packet one-way delay: 43.083 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 90.00 Mbit/s
95th percentile per-packet one-way delay: 43.083 ms
Loss rate: 1.30%

Run 7: Report of FillP — Data Link

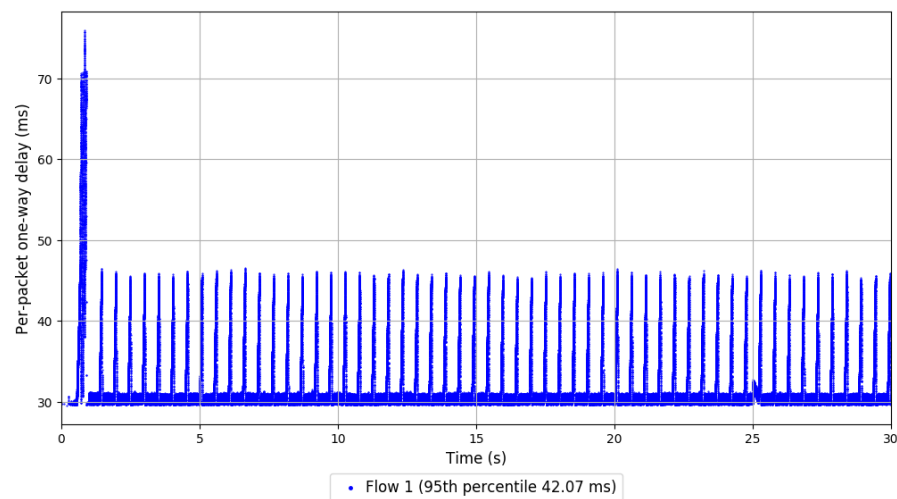
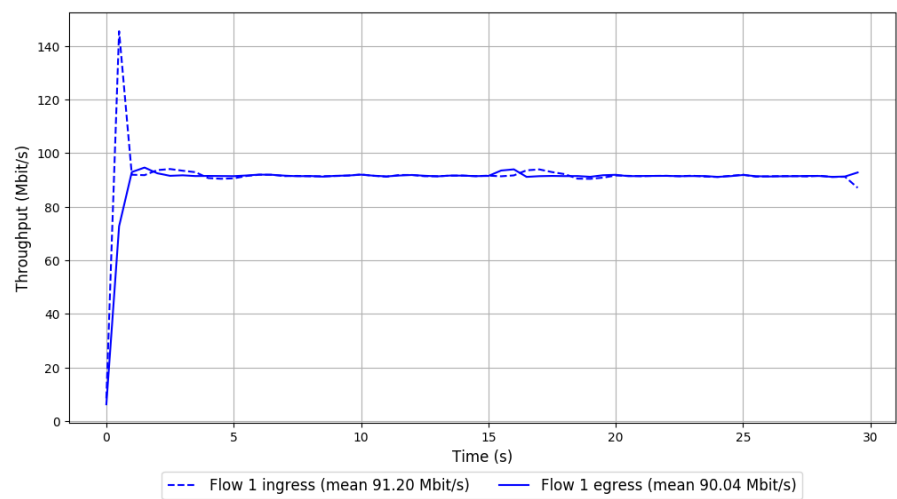


Run 8: Statistics of FillP

Start at: 2018-04-24 11:43:11
End at: 2018-04-24 11:43:41
Local clock offset: -0.513 ms
Remote clock offset: -3.582 ms

Below is generated by plot.py at 2018-04-24 13:33:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.04 Mbit/s
95th percentile per-packet one-way delay: 42.070 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 90.04 Mbit/s
95th percentile per-packet one-way delay: 42.070 ms
Loss rate: 1.27%

Run 8: Report of FillP — Data Link

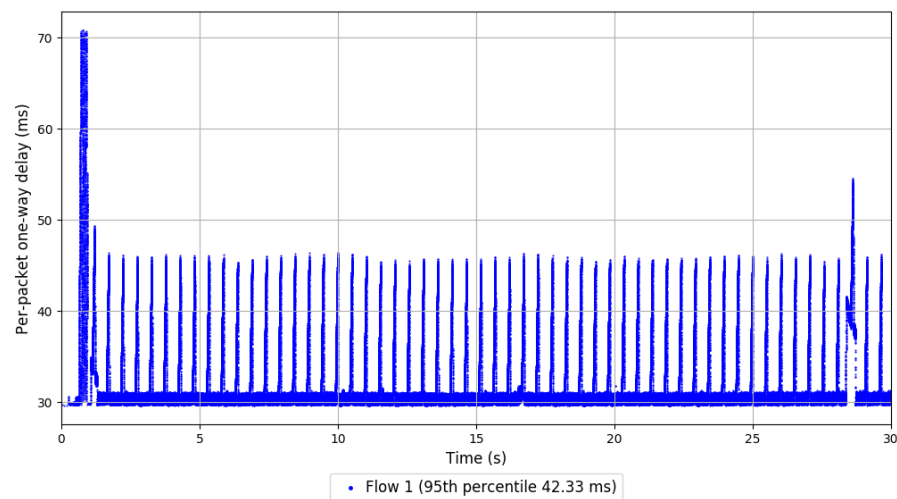
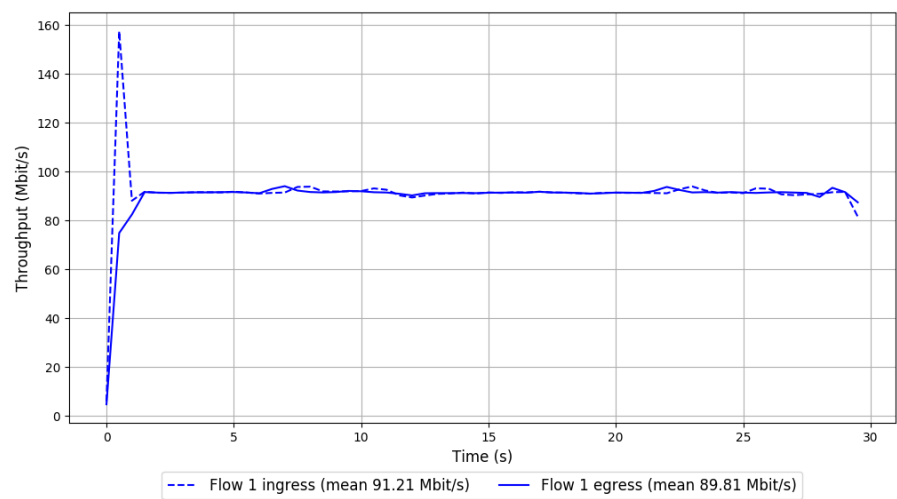


Run 9: Statistics of FillP

Start at: 2018-04-24 12:06:00
End at: 2018-04-24 12:06:30
Local clock offset: -0.415 ms
Remote clock offset: -3.729 ms

Below is generated by plot.py at 2018-04-24 13:33:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.81 Mbit/s
95th percentile per-packet one-way delay: 42.325 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 89.81 Mbit/s
95th percentile per-packet one-way delay: 42.325 ms
Loss rate: 1.53%

Run 9: Report of FillP — Data Link

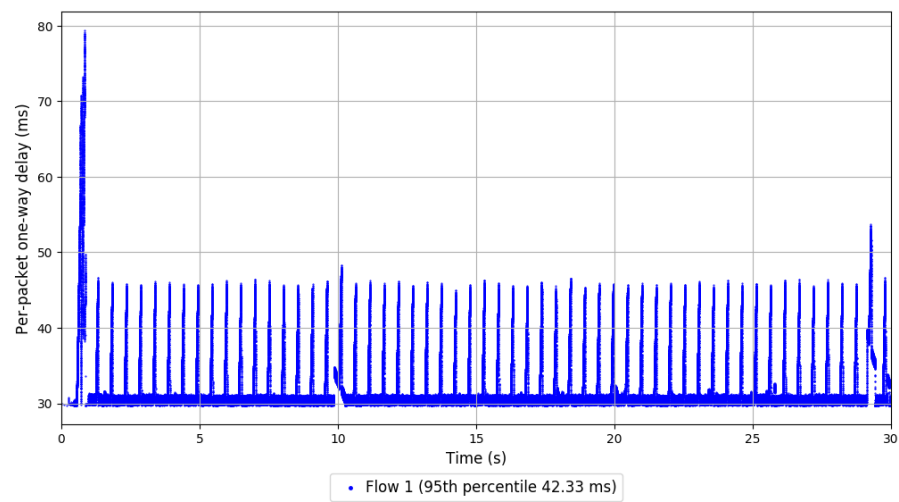
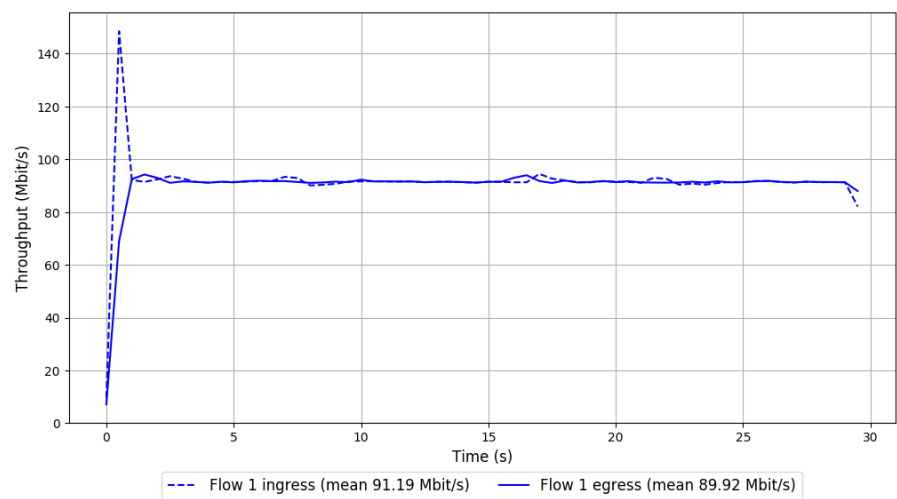


Run 10: Statistics of FillP

Start at: 2018-04-24 12:29:09
End at: 2018-04-24 12:29:39
Local clock offset: -0.383 ms
Remote clock offset: -2.355 ms

Below is generated by plot.py at 2018-04-24 13:33:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.92 Mbit/s
95th percentile per-packet one-way delay: 42.330 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 89.92 Mbit/s
95th percentile per-packet one-way delay: 42.330 ms
Loss rate: 1.39%

Run 10: Report of FillP — Data Link

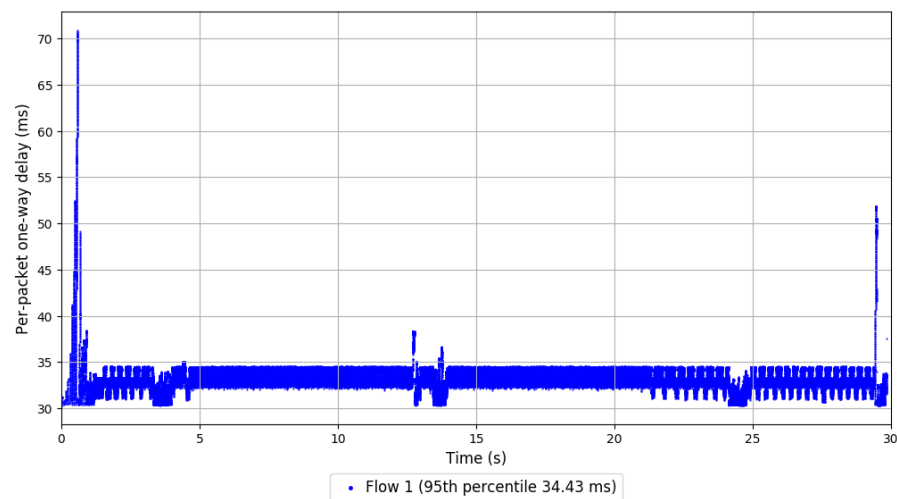
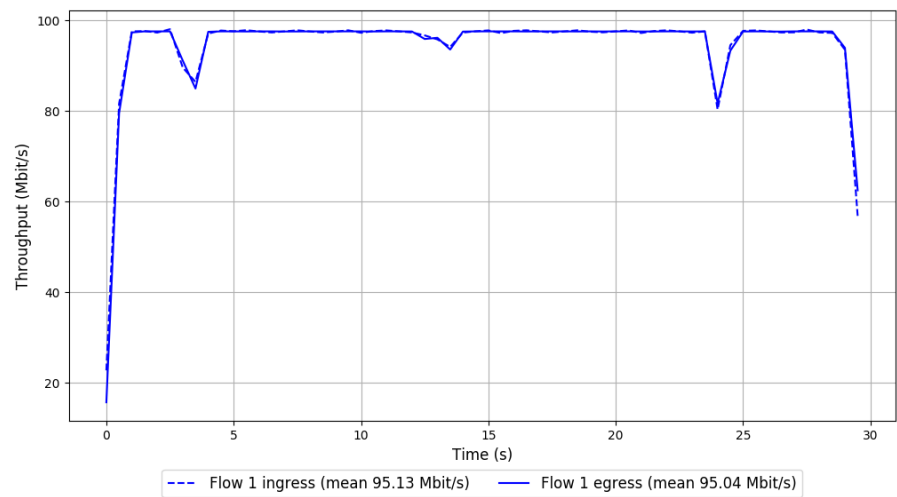


Run 1: Statistics of Indigo-1-32

Start at: 2018-04-24 09:23:41
End at: 2018-04-24 09:24:11
Local clock offset: -0.254 ms
Remote clock offset: -2.335 ms

Below is generated by plot.py at 2018-04-24 13:33:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.04 Mbit/s
95th percentile per-packet one-way delay: 34.427 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 95.04 Mbit/s
95th percentile per-packet one-way delay: 34.427 ms
Loss rate: 0.07%

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

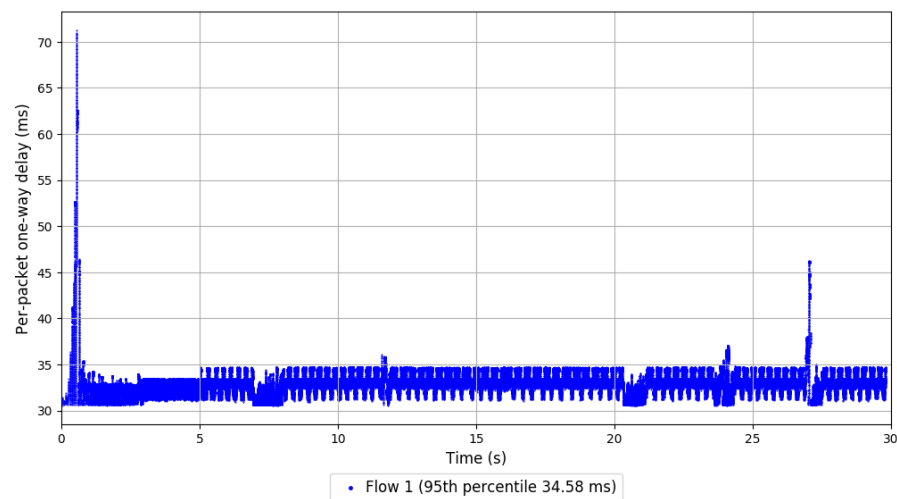
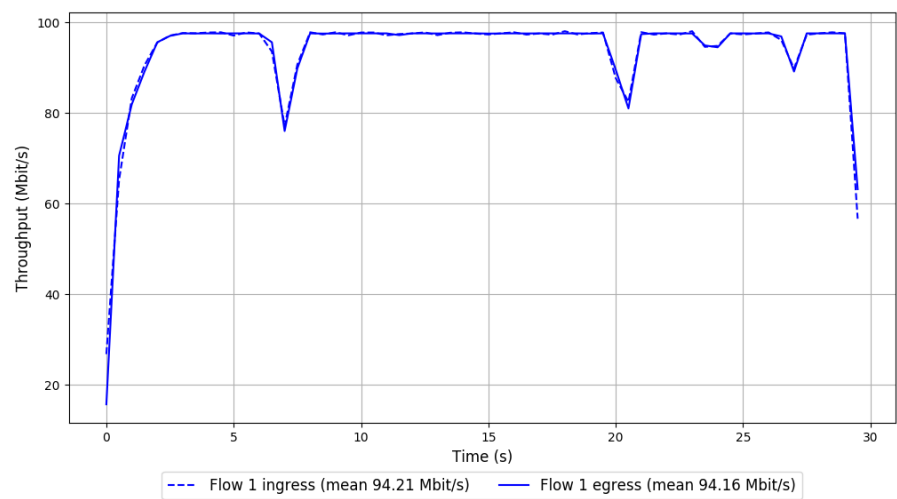


Run 2: Statistics of Indigo-1-32

Start at: 2018-04-24 09:46:46
End at: 2018-04-24 09:47:16
Local clock offset: -0.735 ms
Remote clock offset: -1.709 ms

Below is generated by plot.py at 2018-04-24 13:33:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.16 Mbit/s
95th percentile per-packet one-way delay: 34.575 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 94.16 Mbit/s
95th percentile per-packet one-way delay: 34.575 ms
Loss rate: 0.04%

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

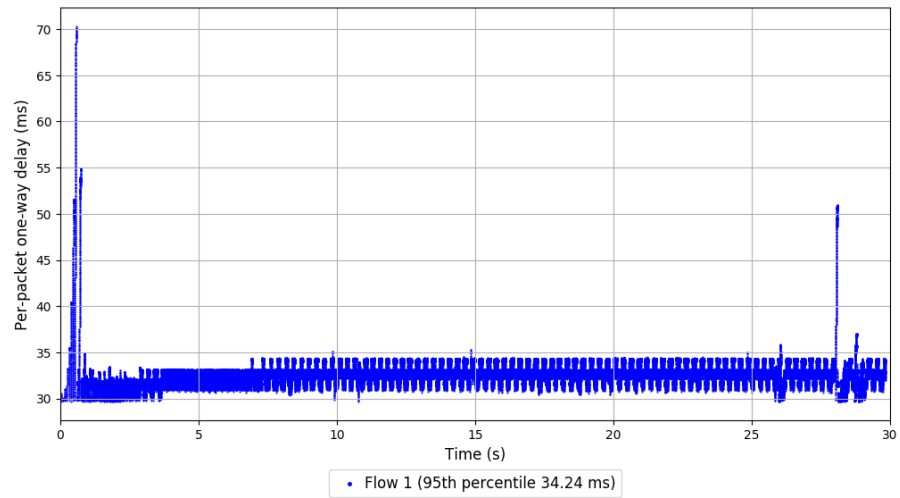
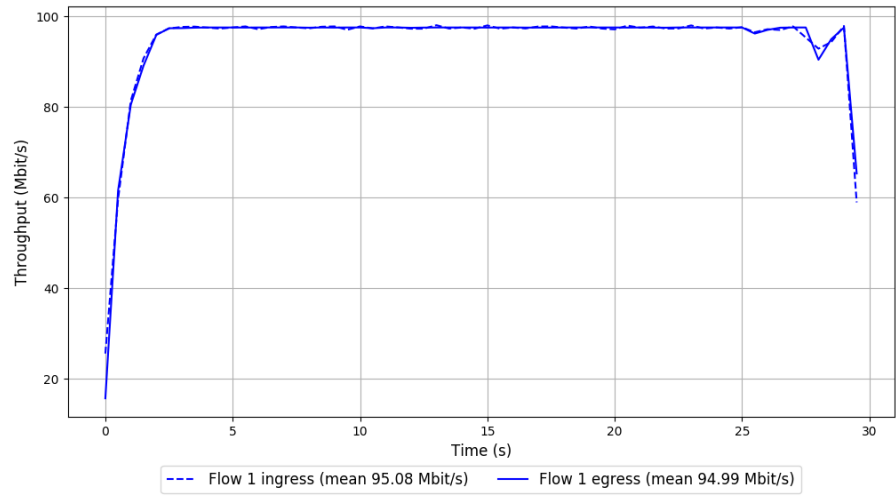


Run 3: Statistics of Indigo-1-32

Start at: 2018-04-24 10:09:30
End at: 2018-04-24 10:10:00
Local clock offset: -0.979 ms
Remote clock offset: -1.827 ms

Below is generated by plot.py at 2018-04-24 13:33:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.99 Mbit/s
95th percentile per-packet one-way delay: 34.242 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 94.99 Mbit/s
95th percentile per-packet one-way delay: 34.242 ms
Loss rate: 0.08%

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

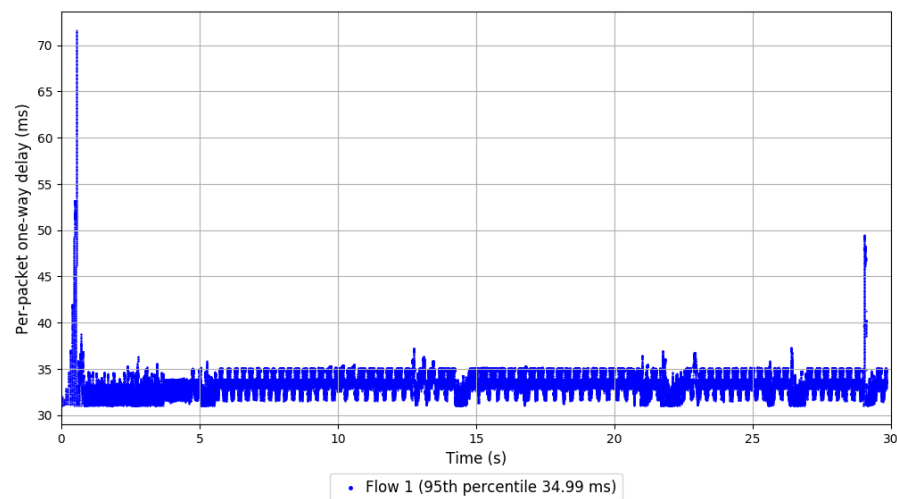
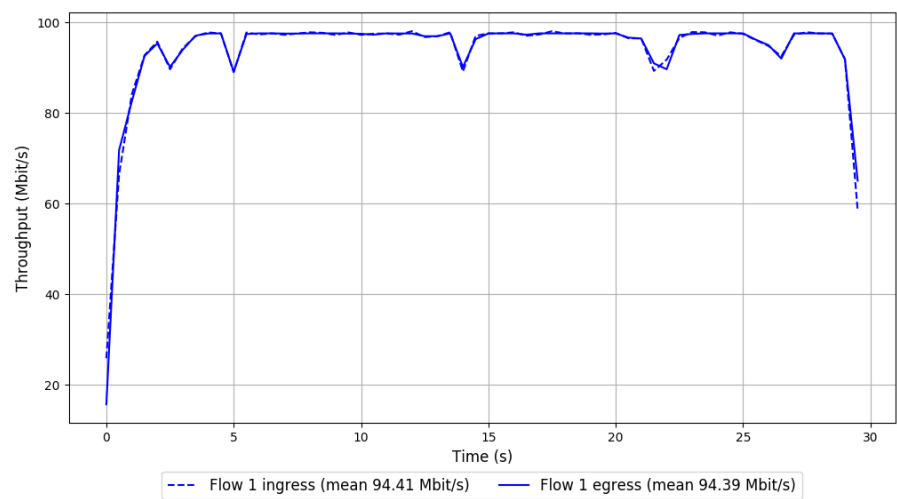


Run 4: Statistics of Indigo-1-32

Start at: 2018-04-24 10:32:53
End at: 2018-04-24 10:33:23
Local clock offset: -0.613 ms
Remote clock offset: -1.226 ms

Below is generated by plot.py at 2018-04-24 13:33:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.39 Mbit/s
95th percentile per-packet one-way delay: 34.994 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 94.39 Mbit/s
95th percentile per-packet one-way delay: 34.994 ms
Loss rate: 0.01%

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

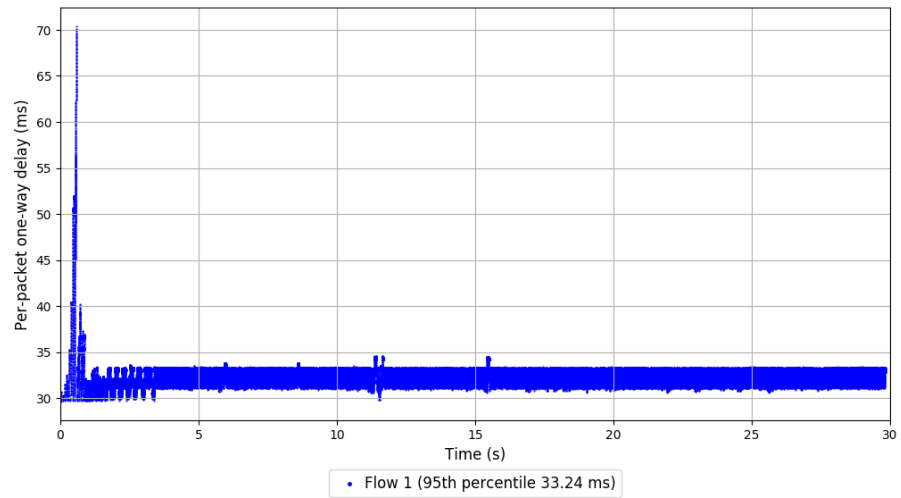
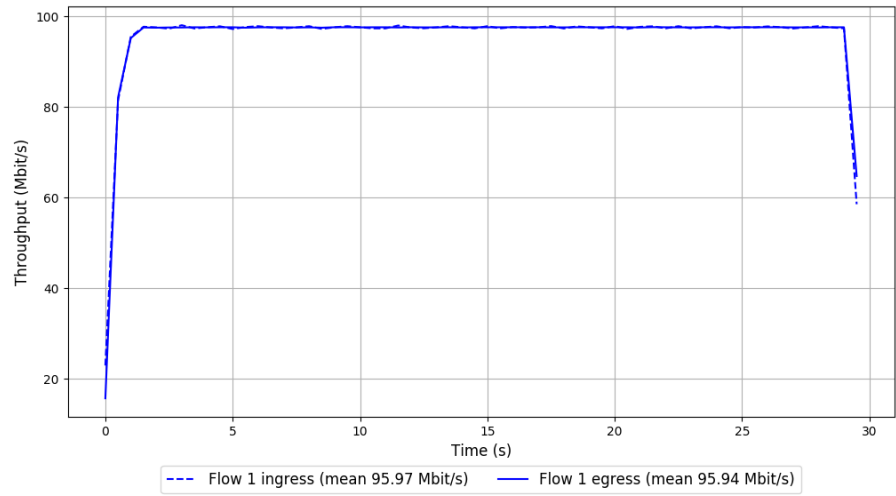


Run 5: Statistics of Indigo-1-32

Start at: 2018-04-24 10:56:15
End at: 2018-04-24 10:56:46
Local clock offset: -0.478 ms
Remote clock offset: -1.443 ms

Below is generated by plot.py at 2018-04-24 13:33:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.94 Mbit/s
95th percentile per-packet one-way delay: 33.239 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 95.94 Mbit/s
95th percentile per-packet one-way delay: 33.239 ms
Loss rate: 0.02%

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

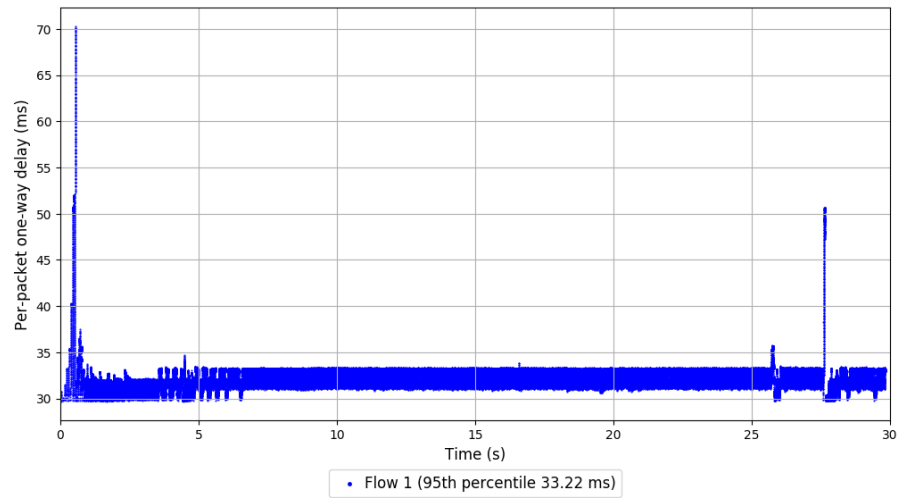
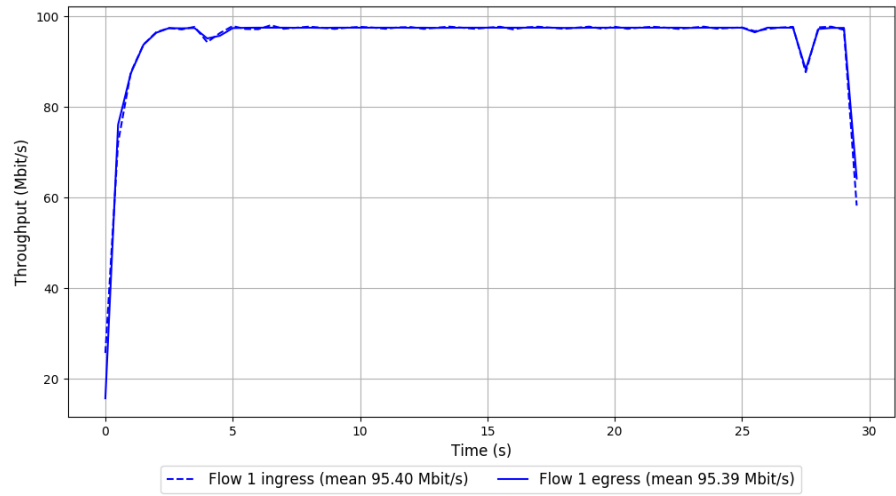


Run 6: Statistics of Indigo-1-32

Start at: 2018-04-24 11:19:00
End at: 2018-04-24 11:19:30
Local clock offset: -0.572 ms
Remote clock offset: -2.687 ms

Below is generated by plot.py at 2018-04-24 13:34:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.39 Mbit/s
95th percentile per-packet one-way delay: 33.219 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 95.39 Mbit/s
95th percentile per-packet one-way delay: 33.219 ms
Loss rate: 0.01%

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

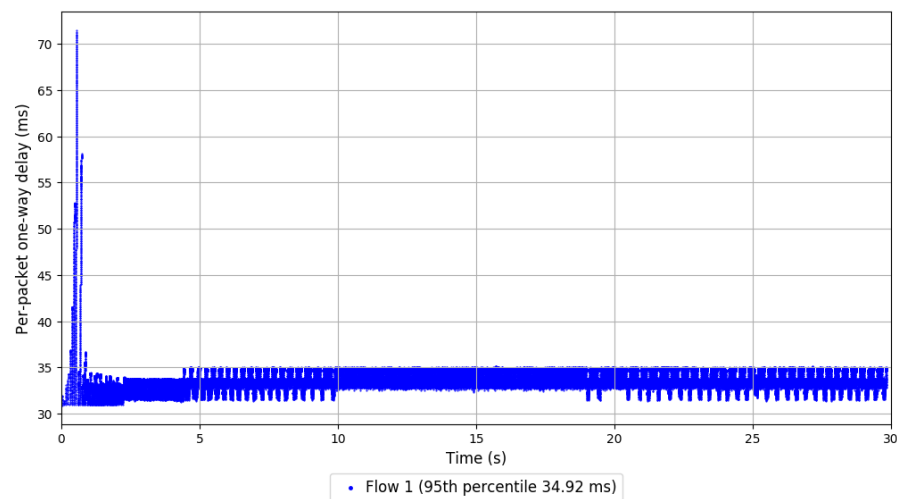
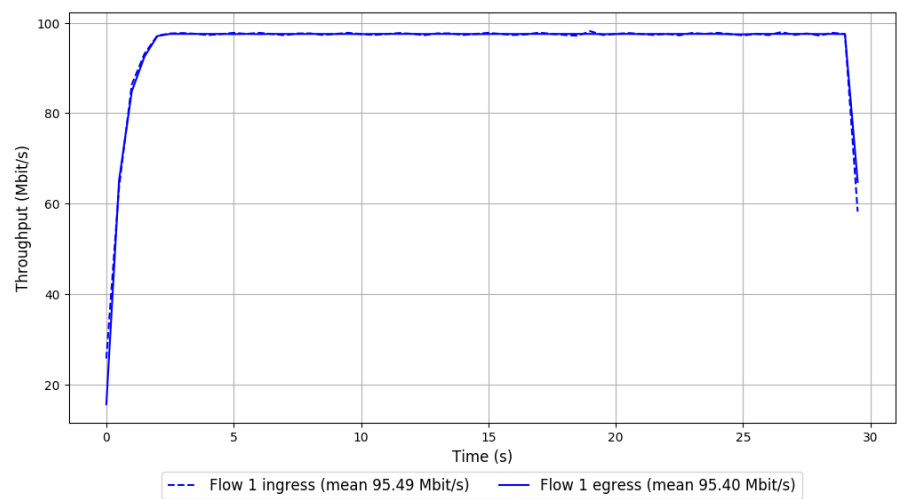


Run 7: Statistics of Indigo-1-32

Start at: 2018-04-24 11:41:49
End at: 2018-04-24 11:42:19
Local clock offset: -0.545 ms
Remote clock offset: -3.035 ms

Below is generated by plot.py at 2018-04-24 13:34:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.40 Mbit/s
95th percentile per-packet one-way delay: 34.919 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 95.40 Mbit/s
95th percentile per-packet one-way delay: 34.919 ms
Loss rate: 0.08%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-04-24 12:04:38

End at: 2018-04-24 12:05:08

Local clock offset: -0.532 ms

Remote clock offset: -3.745 ms

Below is generated by plot.py at 2018-04-24 13:34:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.46 Mbit/s

95th percentile per-packet one-way delay: 34.445 ms

Loss rate: 0.05%

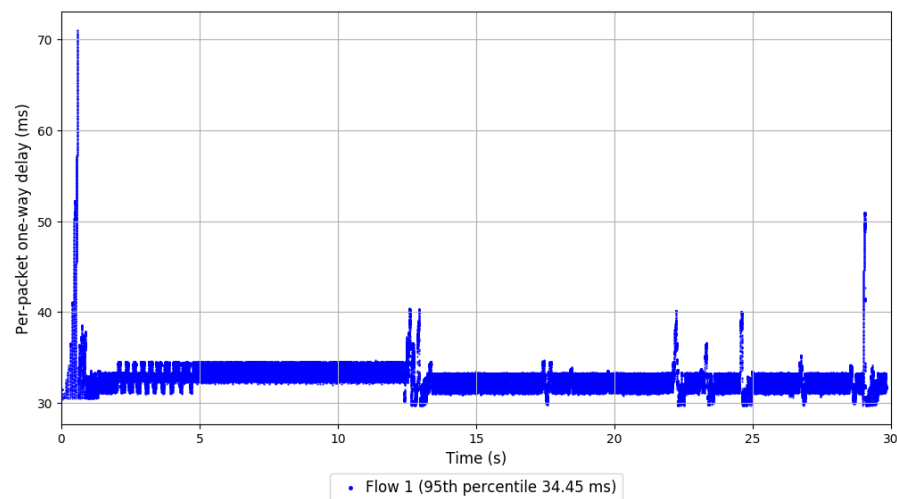
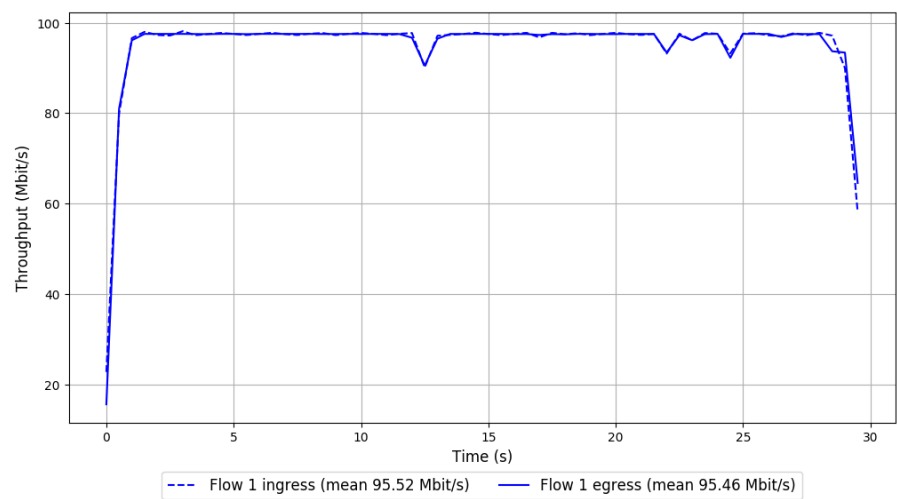
-- Flow 1:

Average throughput: 95.46 Mbit/s

95th percentile per-packet one-way delay: 34.445 ms

Loss rate: 0.05%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-04-24 12:27:43

End at: 2018-04-24 12:28:14

Local clock offset: -0.401 ms

Remote clock offset: -2.446 ms

Below is generated by plot.py at 2018-04-24 13:34:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.98 Mbit/s

95th percentile per-packet one-way delay: 34.807 ms

Loss rate: 0.02%

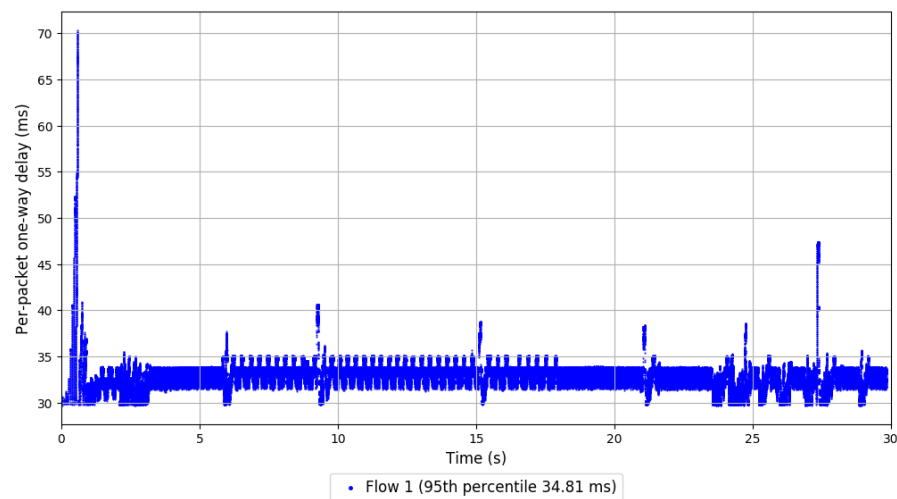
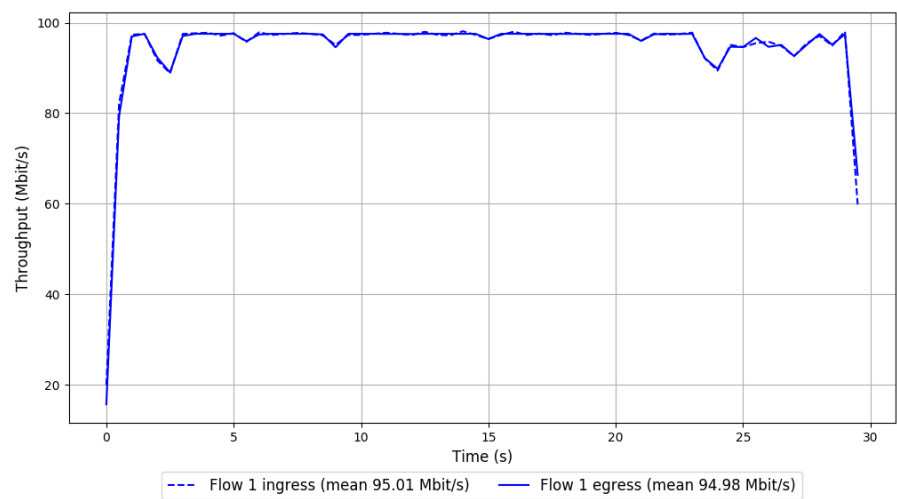
-- Flow 1:

Average throughput: 94.98 Mbit/s

95th percentile per-packet one-way delay: 34.807 ms

Loss rate: 0.02%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-04-24 12:50:34

End at: 2018-04-24 12:51:04

Local clock offset: -0.381 ms

Remote clock offset: -1.795 ms

Below is generated by plot.py at 2018-04-24 13:34:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.35 Mbit/s

95th percentile per-packet one-way delay: 34.786 ms

Loss rate: 0.12%

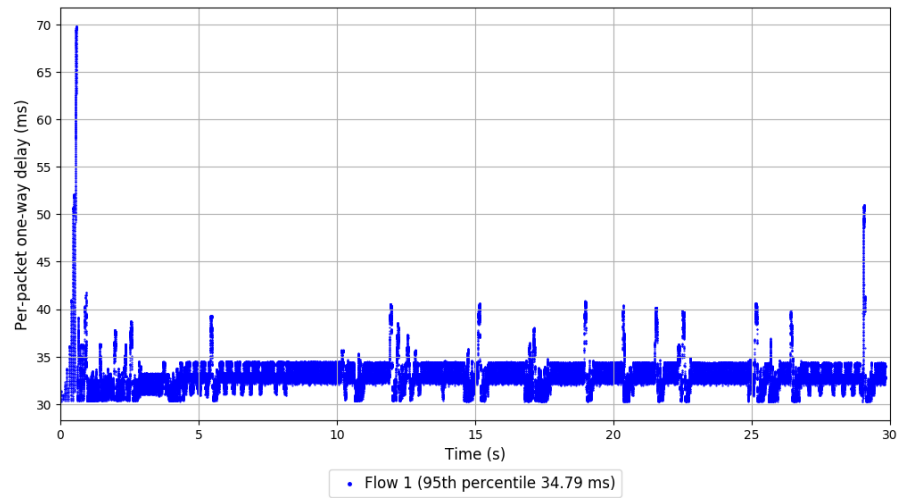
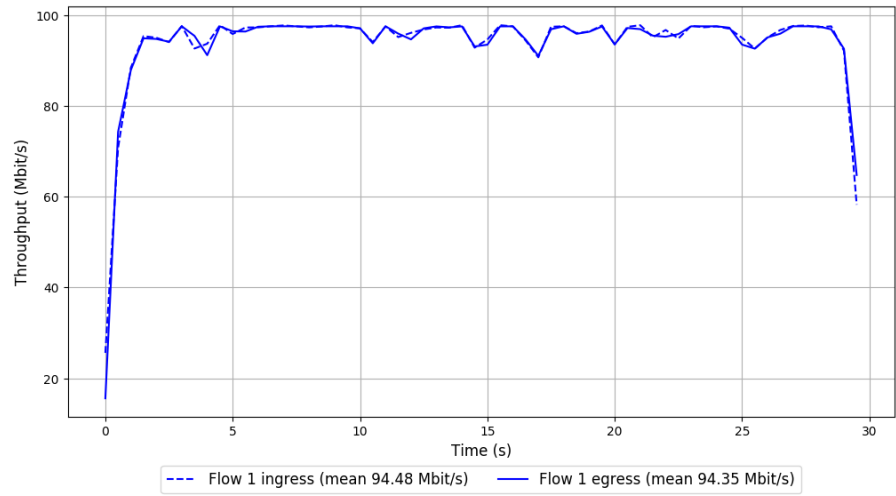
-- Flow 1:

Average throughput: 94.35 Mbit/s

95th percentile per-packet one-way delay: 34.786 ms

Loss rate: 0.12%

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

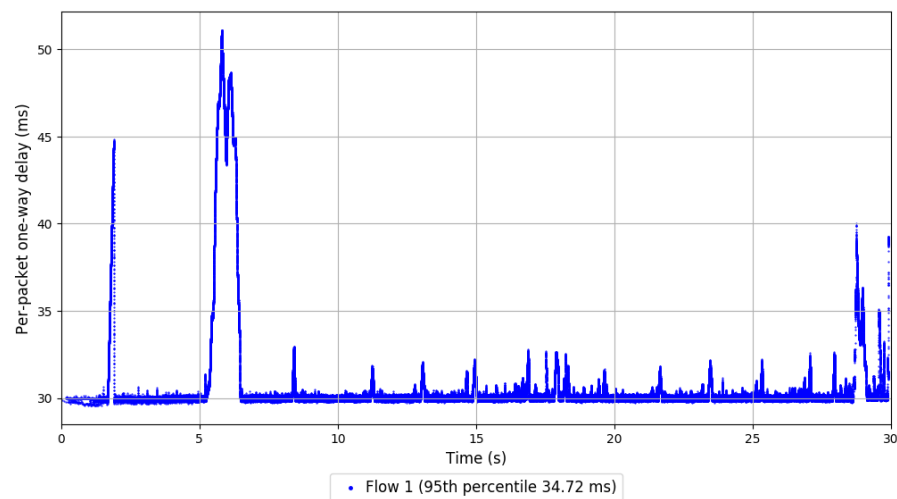
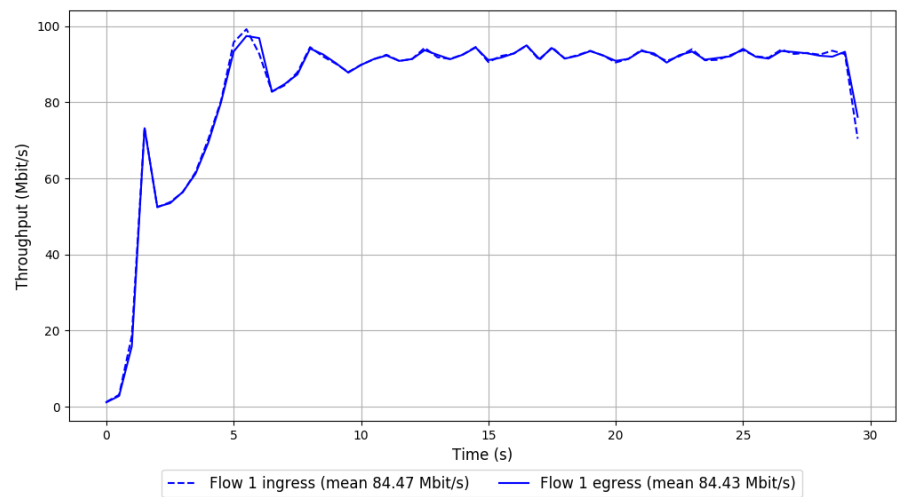


Run 1: Statistics of PCC-Vivace

Start at: 2018-04-24 09:04:32
End at: 2018-04-24 09:05:02
Local clock offset: -0.546 ms
Remote clock offset: -2.279 ms

Below is generated by plot.py at 2018-04-24 13:34:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.43 Mbit/s
95th percentile per-packet one-way delay: 34.717 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 84.43 Mbit/s
95th percentile per-packet one-way delay: 34.717 ms
Loss rate: 0.02%

Run 1: Report of PCC-Vivace — Data Link

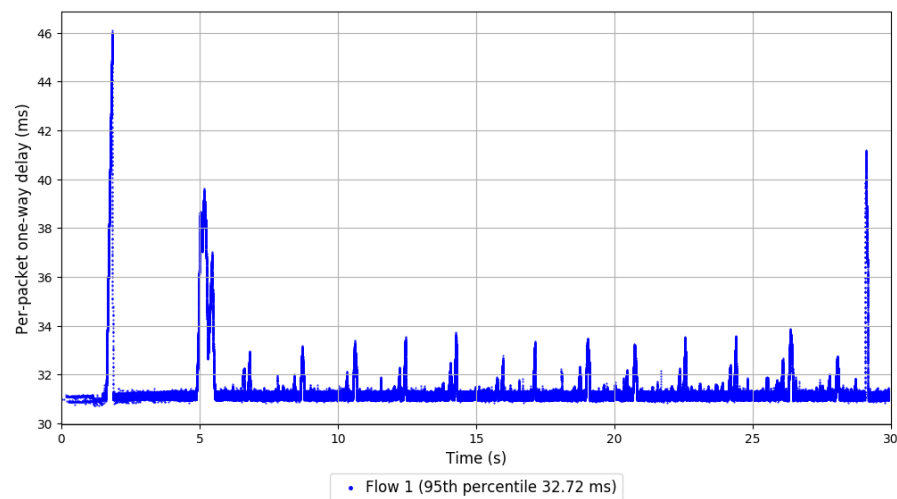
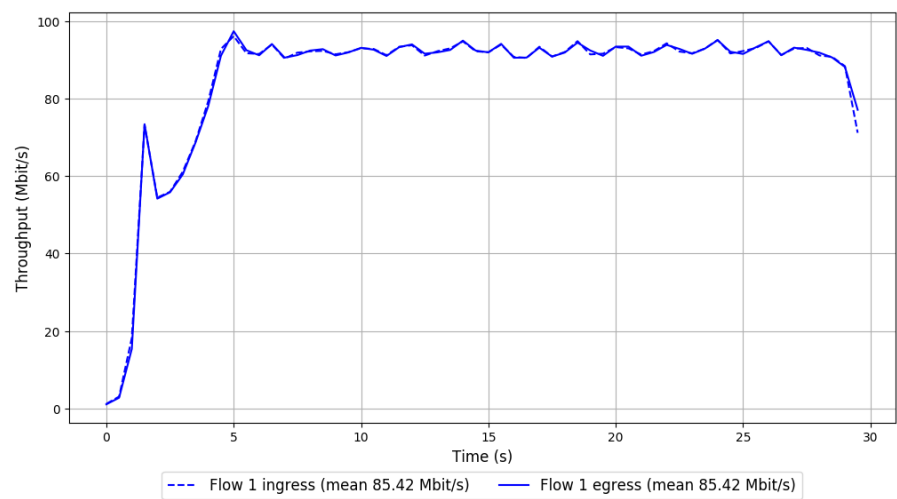


Run 2: Statistics of PCC-Vivace

Start at: 2018-04-24 09:27:57
End at: 2018-04-24 09:28:27
Local clock offset: -0.375 ms
Remote clock offset: -1.677 ms

Below is generated by plot.py at 2018-04-24 13:35:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.42 Mbit/s
95th percentile per-packet one-way delay: 32.715 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.42 Mbit/s
95th percentile per-packet one-way delay: 32.715 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

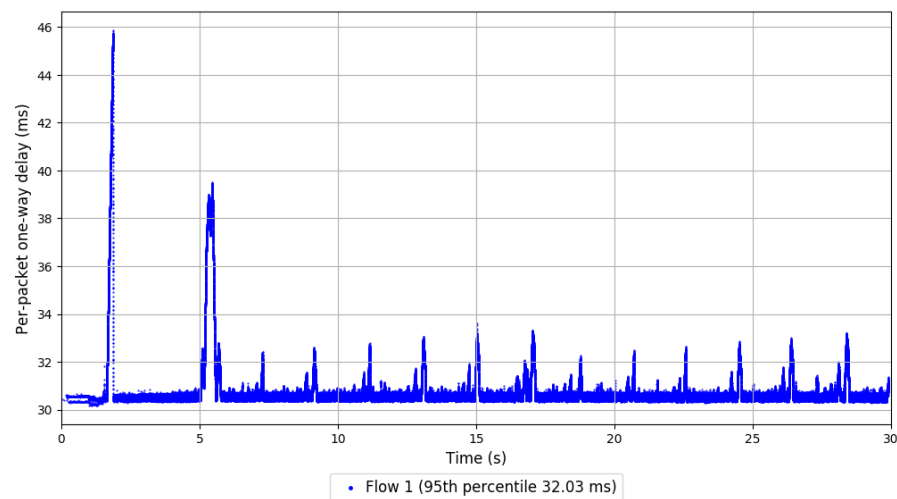
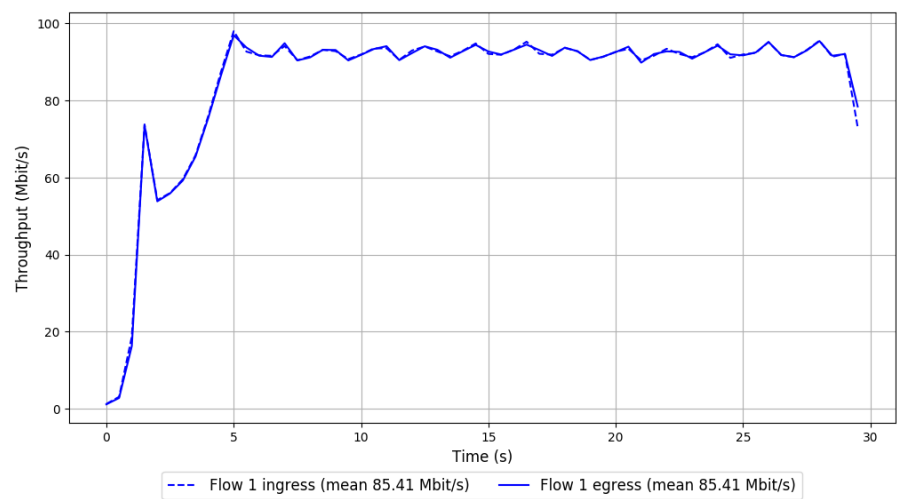


Run 3: Statistics of PCC-Vivace

Start at: 2018-04-24 09:50:48
End at: 2018-04-24 09:51:18
Local clock offset: -0.706 ms
Remote clock offset: -1.794 ms

Below is generated by plot.py at 2018-04-24 13:35:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.41 Mbit/s
95th percentile per-packet one-way delay: 32.031 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.41 Mbit/s
95th percentile per-packet one-way delay: 32.031 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

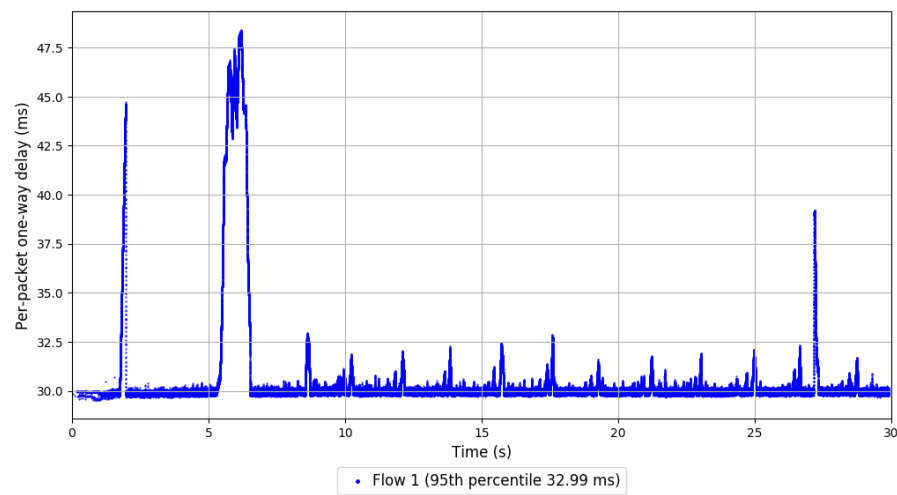
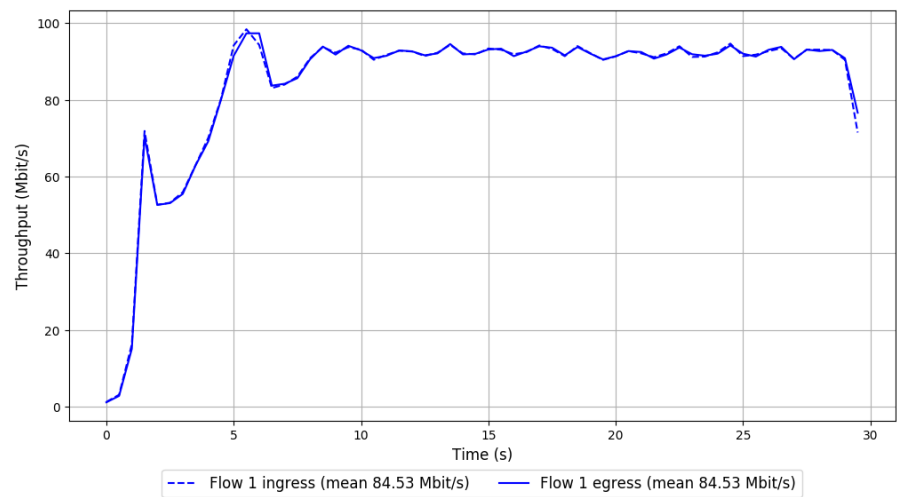


Run 4: Statistics of PCC-Vivace

Start at: 2018-04-24 10:13:42
End at: 2018-04-24 10:14:12
Local clock offset: -0.848 ms
Remote clock offset: -1.692 ms

Below is generated by plot.py at 2018-04-24 13:35:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.53 Mbit/s
95th percentile per-packet one-way delay: 32.994 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.53 Mbit/s
95th percentile per-packet one-way delay: 32.994 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-04-24 10:37:12

End at: 2018-04-24 10:37:42

Local clock offset: -0.6 ms

Remote clock offset: -1.799 ms

Below is generated by plot.py at 2018-04-24 13:35:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.82 Mbit/s

95th percentile per-packet one-way delay: 32.244 ms

Loss rate: 0.00%

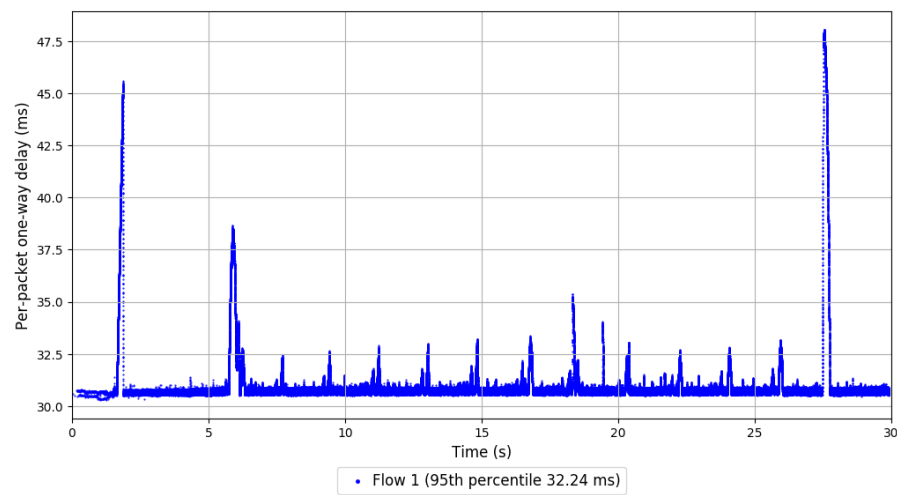
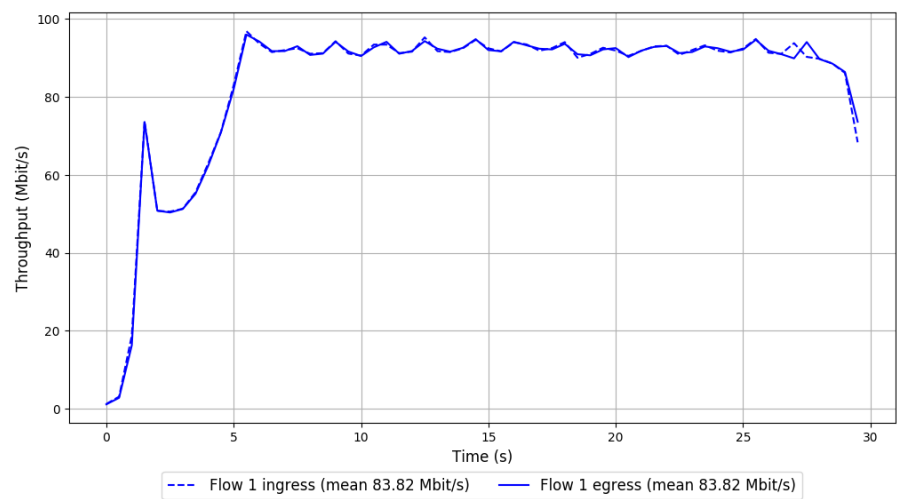
-- Flow 1:

Average throughput: 83.82 Mbit/s

95th percentile per-packet one-way delay: 32.244 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-04-24 11:00:20

End at: 2018-04-24 11:00:50

Local clock offset: -0.59 ms

Remote clock offset: -1.353 ms

Below is generated by plot.py at 2018-04-24 13:35:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.08 Mbit/s

95th percentile per-packet one-way delay: 33.376 ms

Loss rate: 0.00%

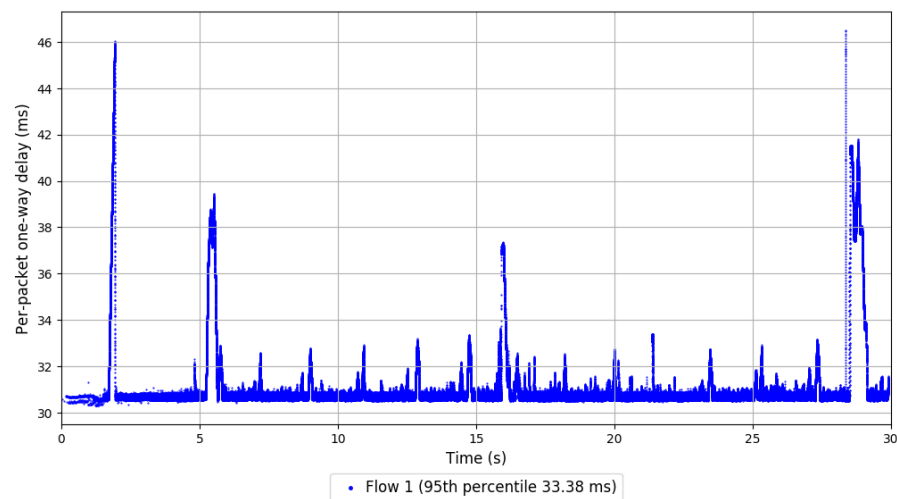
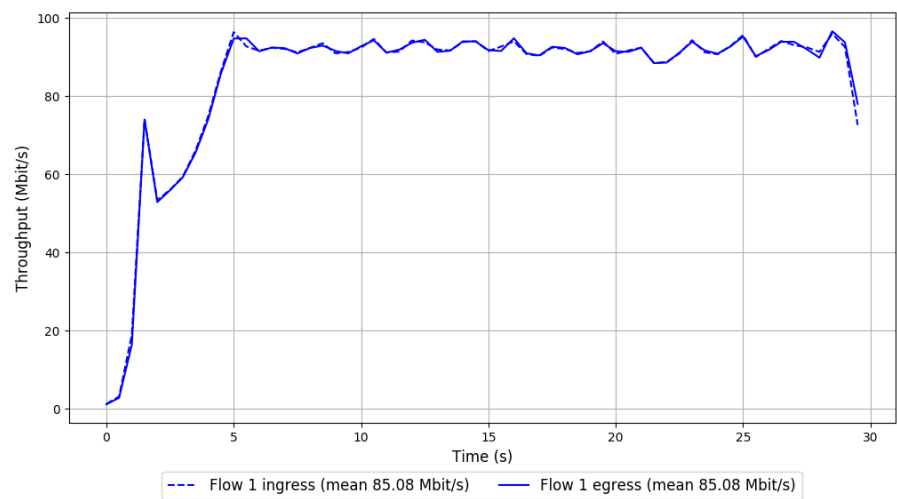
-- Flow 1:

Average throughput: 85.08 Mbit/s

95th percentile per-packet one-way delay: 33.376 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link

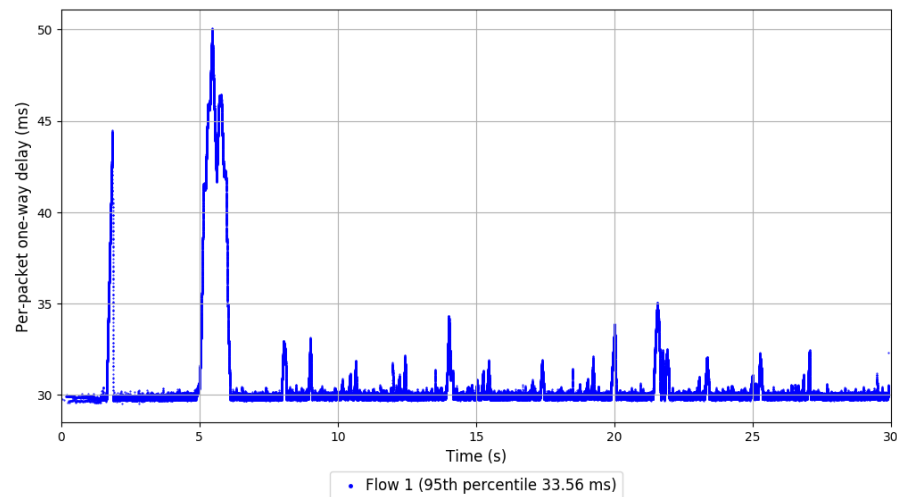
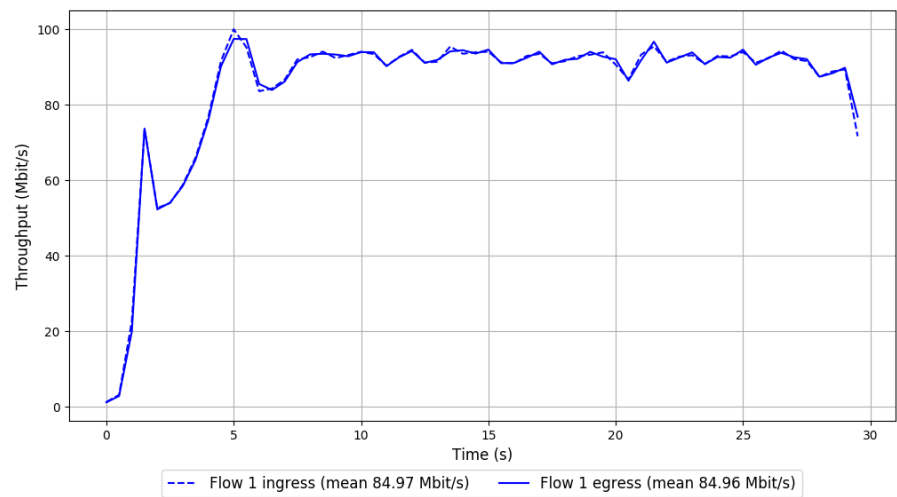


Run 7: Statistics of PCC-Vivace

Start at: 2018-04-24 11:23:03
End at: 2018-04-24 11:23:33
Local clock offset: -0.554 ms
Remote clock offset: -2.889 ms

Below is generated by plot.py at 2018-04-24 13:35:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.96 Mbit/s
95th percentile per-packet one-way delay: 33.558 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.96 Mbit/s
95th percentile per-packet one-way delay: 33.558 ms
Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link

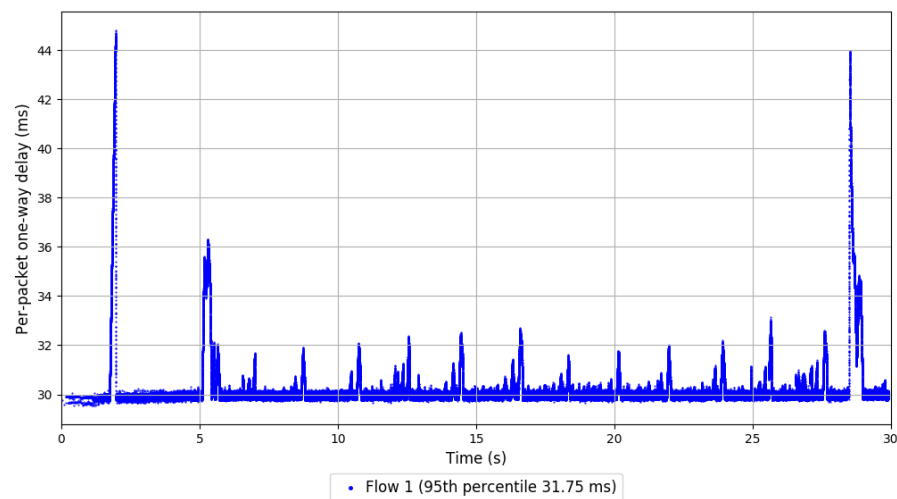
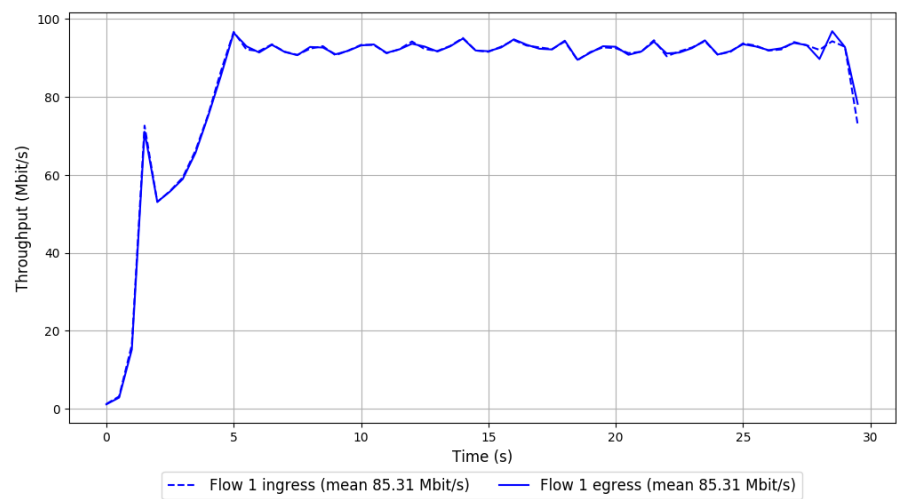


Run 8: Statistics of PCC-Vivace

Start at: 2018-04-24 11:45:51
End at: 2018-04-24 11:46:21
Local clock offset: -0.606 ms
Remote clock offset: -3.609 ms

Below is generated by plot.py at 2018-04-24 13:35:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.31 Mbit/s
95th percentile per-packet one-way delay: 31.755 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.31 Mbit/s
95th percentile per-packet one-way delay: 31.755 ms
Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link

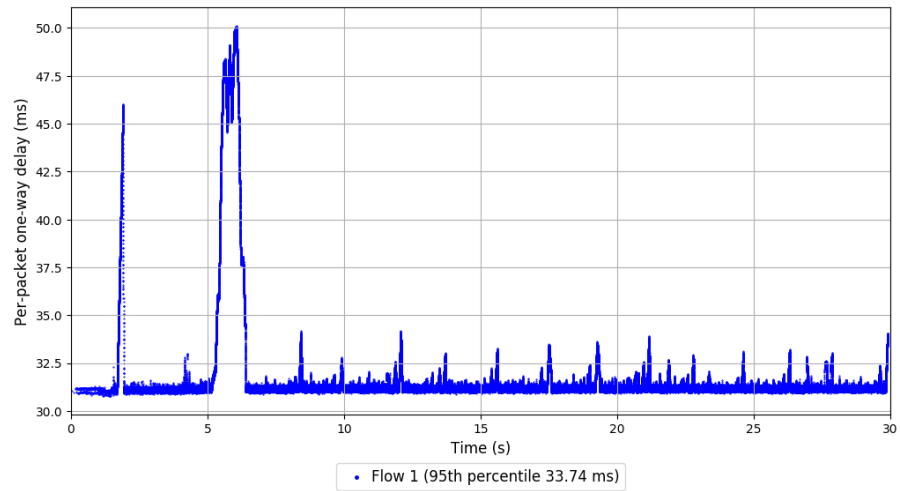
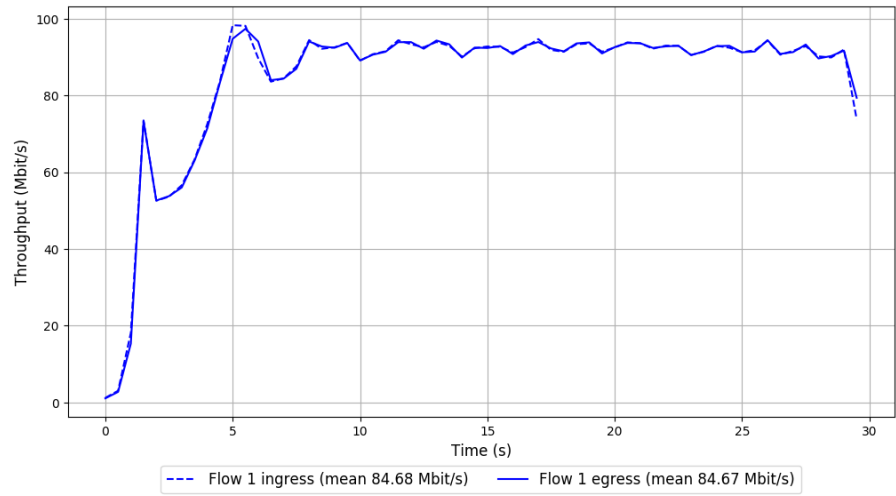


Run 9: Statistics of PCC-Vivace

Start at: 2018-04-24 12:08:41
End at: 2018-04-24 12:09:11
Local clock offset: -0.511 ms
Remote clock offset: -3.228 ms

Below is generated by plot.py at 2018-04-24 13:36:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.67 Mbit/s
95th percentile per-packet one-way delay: 33.741 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 84.67 Mbit/s
95th percentile per-packet one-way delay: 33.741 ms
Loss rate: 0.01%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-04-24 12:31:52

End at: 2018-04-24 12:32:22

Local clock offset: -0.413 ms

Remote clock offset: -2.314 ms

Below is generated by plot.py at 2018-04-24 13:36:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.93 Mbit/s

95th percentile per-packet one-way delay: 32.096 ms

Loss rate: 0.04%

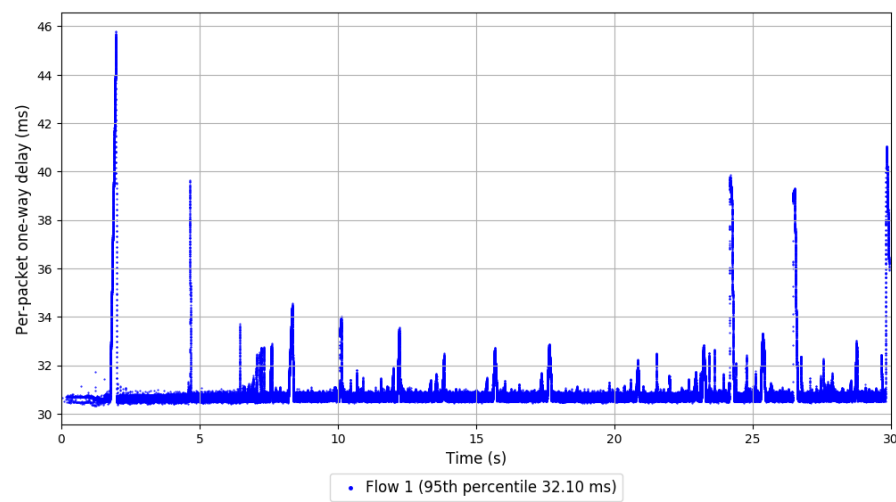
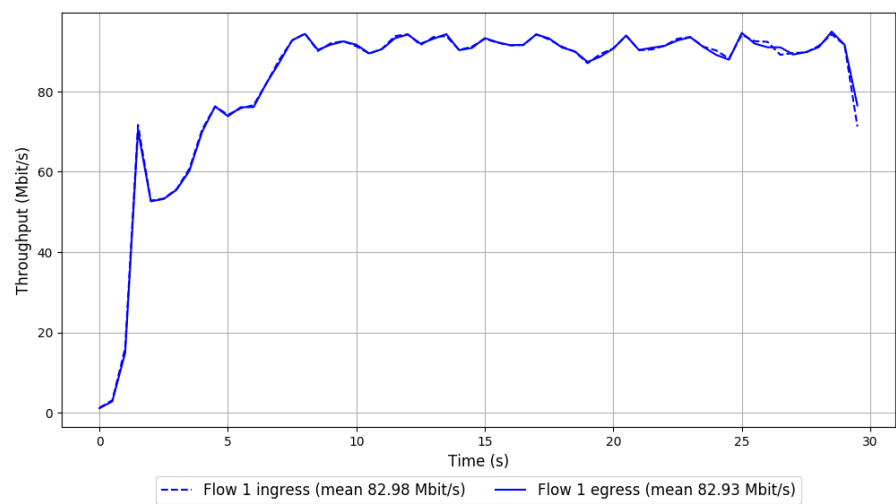
-- Flow 1:

Average throughput: 82.93 Mbit/s

95th percentile per-packet one-way delay: 32.096 ms

Loss rate: 0.04%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-04-24 09:14:28

End at: 2018-04-24 09:14:58

Local clock offset: -0.332 ms

Remote clock offset: -2.394 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 09:37:35

End at: 2018-04-24 09:38:05

Local clock offset: -0.344 ms

Remote clock offset: -1.871 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 10:00:19

End at: 2018-04-24 10:00:49

Local clock offset: -0.883 ms

Remote clock offset: -1.717 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 10:23:28

End at: 2018-04-24 10:23:58

Local clock offset: -0.638 ms

Remote clock offset: -1.198 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 10:47:03

End at: 2018-04-24 10:47:33

Local clock offset: -0.558 ms

Remote clock offset: -1.695 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 11:09:49

End at: 2018-04-24 11:10:19

Local clock offset: -0.558 ms

Remote clock offset: -1.35 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 11:32:35

End at: 2018-04-24 11:33:05

Local clock offset: -0.514 ms

Remote clock offset: -2.801 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 11:55:25

End at: 2018-04-24 11:55:55

Local clock offset: -0.542 ms

Remote clock offset: -3.717 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 12:18:12

End at: 2018-04-24 12:18:42

Local clock offset: -0.488 ms

Remote clock offset: -2.669 ms

Run 9: Report of PCC-Expr — Data Link

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Figure is missing

Run 10: Statistics of PCC-Expr

Start at: 2018-04-24 12:41:24

End at: 2018-04-24 12:41:54

Local clock offset: -0.47 ms

Remote clock offset: -2.317 ms

Run 10: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing