

Pantheon Report

Generated at 2018-04-17 10:18:47 (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).

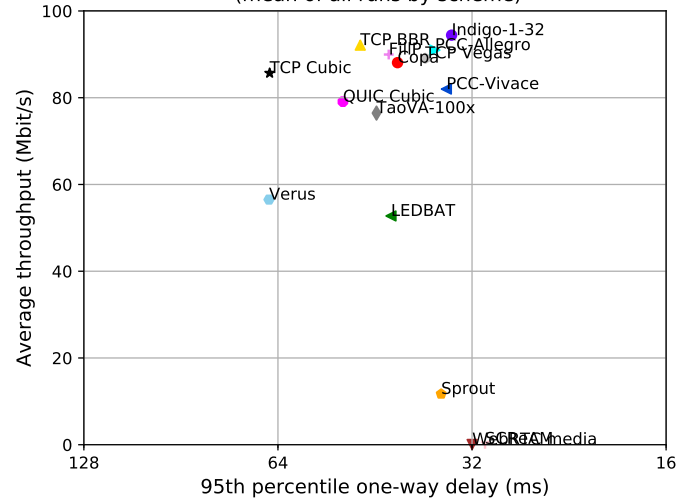
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

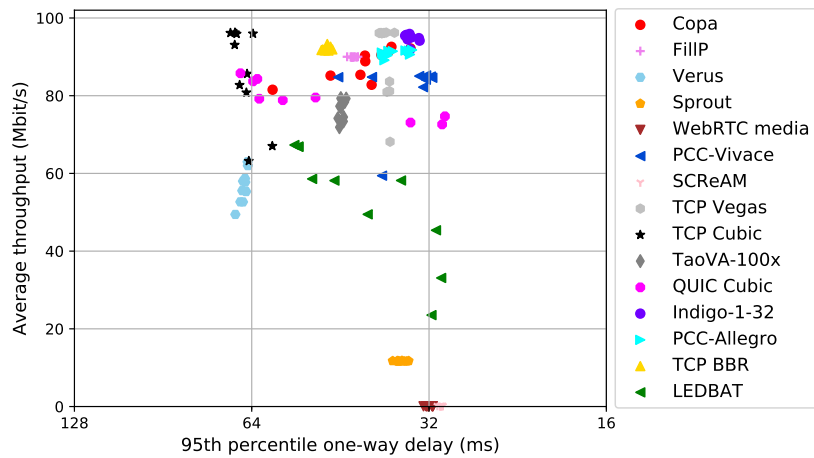
Git summary:

```
branch: master @ b3d6e7098641364fd3a292656a51aa81e316d0b4
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 @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/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	92.13	47.70	0.70
TCP Cubic	10	85.68	65.93	0.39
LEDBAT	10	52.74	42.75	0.05
PCC-Allegro	10	90.98	36.53	0.76
QUIC Cubic	9	79.09	50.75	0.46
SCReAM	10	0.20	30.55	0.06
WebRTC media	10	0.06	31.99	0.00
Sprout	10	11.71	35.73	0.00
TaoVA-100x	10	76.45	45.01	0.04
TCP Vegas	10	89.09	37.83	0.25
Verus	10	56.51	66.08	28.85
Copa	10	88.08	41.75	7.07
FillP	10	89.96	43.09	1.29
Indigo-1-32	10	94.42	34.42	0.09
PCC-Vivace	10	82.00	35.07	0.12
PCC-Expr	0	N/A	N/A	N/A

Run 1: Statistics of TCP BBR

Start at: 2018-04-17 06:10:41
End at: 2018-04-17 06:11:11
Local clock offset: -1.483 ms
Remote clock offset: -1.774 ms

Below is generated by plot.py at 2018-04-17 09:57:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.28 Mbit/s

95th percentile per-packet one-way delay: 47.232 ms

Loss rate: 0.49%

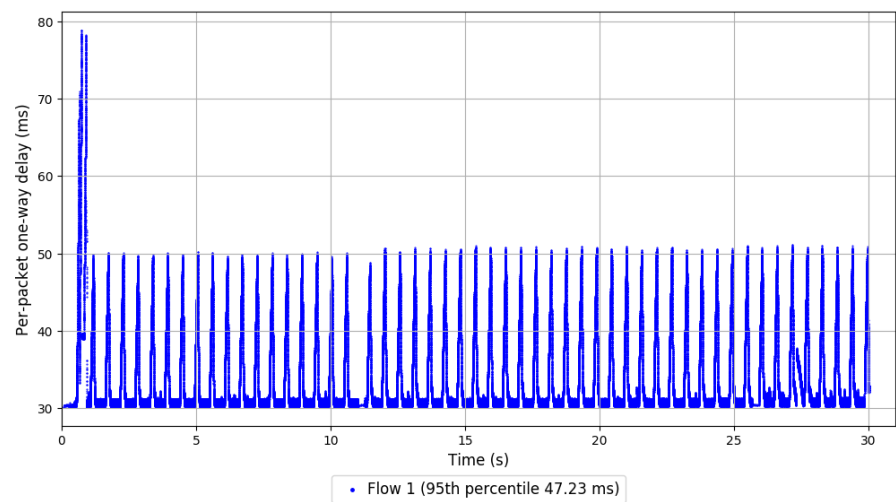
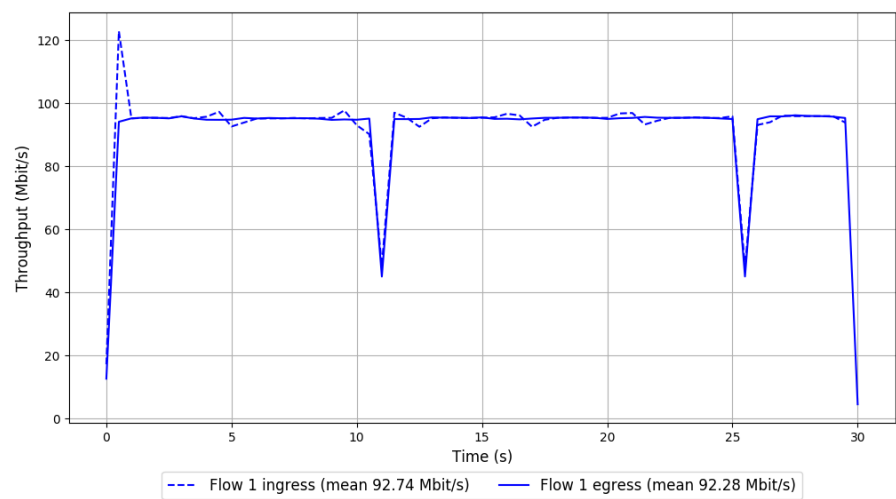
-- Flow 1:

Average throughput: 92.28 Mbit/s

95th percentile per-packet one-way delay: 47.232 ms

Loss rate: 0.49%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-04-17 06:34:02

End at: 2018-04-17 06:34:32

Local clock offset: -0.564 ms

Remote clock offset: -2.461 ms

Below is generated by plot.py at 2018-04-17 09:57:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.90 Mbit/s

95th percentile per-packet one-way delay: 48.471 ms

Loss rate: 0.71%

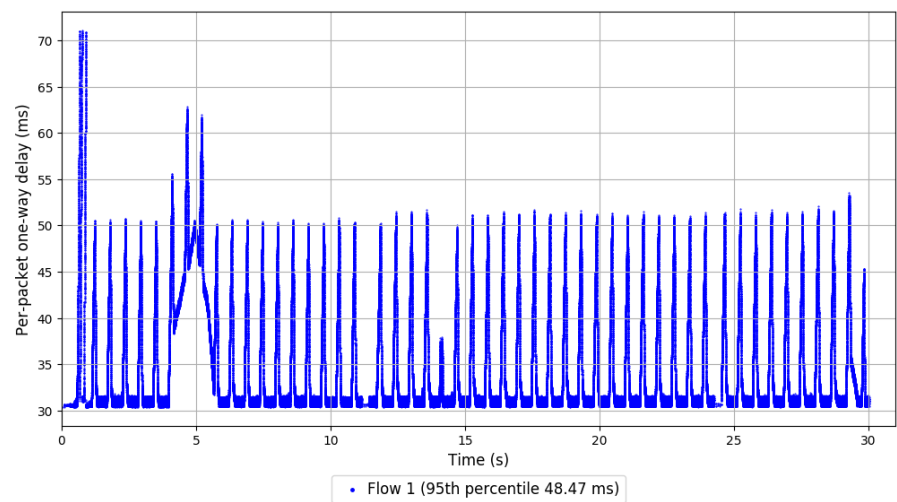
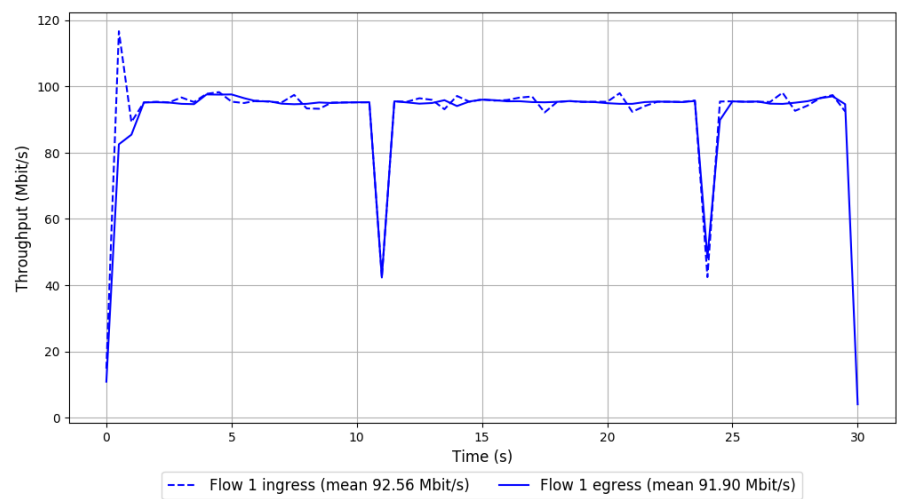
-- Flow 1:

Average throughput: 91.90 Mbit/s

95th percentile per-packet one-way delay: 48.471 ms

Loss rate: 0.71%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-04-17 06:57:05

End at: 2018-04-17 06:57:35

Local clock offset: 0.075 ms

Remote clock offset: -1.337 ms

Below is generated by plot.py at 2018-04-17 09:57:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.62 Mbit/s

95th percentile per-packet one-way delay: 47.036 ms

Loss rate: 0.67%

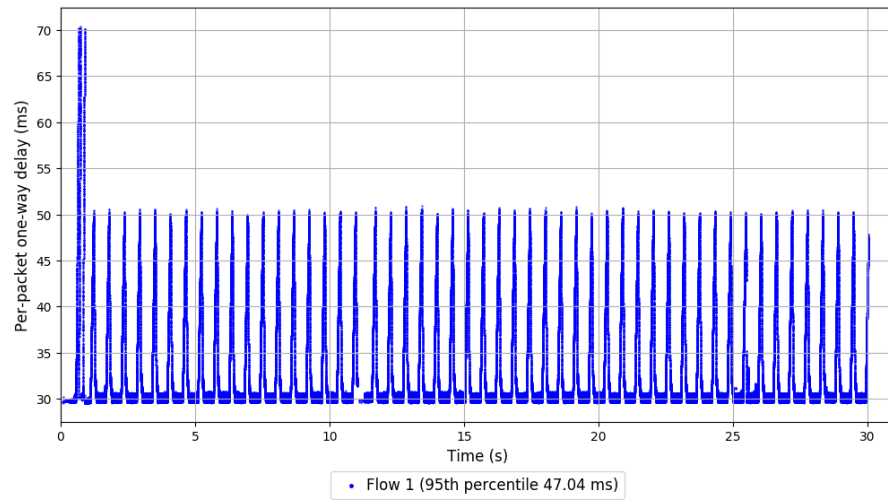
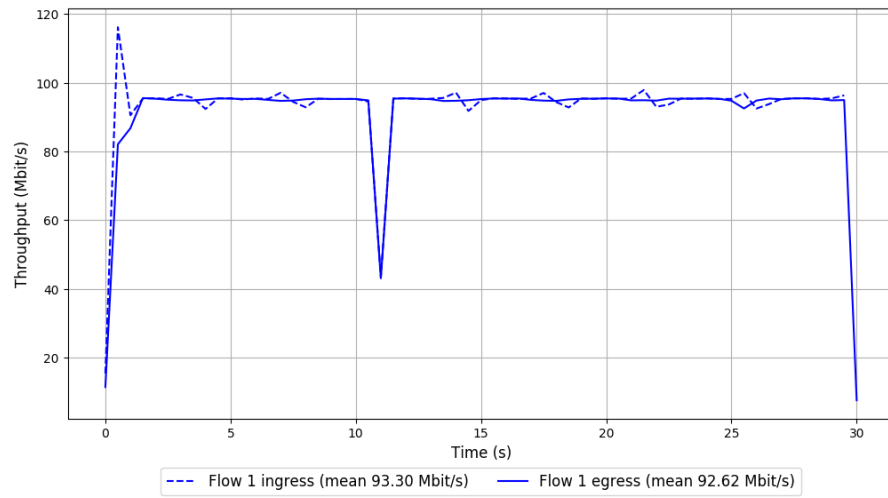
-- Flow 1:

Average throughput: 92.62 Mbit/s

95th percentile per-packet one-way delay: 47.036 ms

Loss rate: 0.67%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-04-17 07:20:02

End at: 2018-04-17 07:20:32

Local clock offset: 0.321 ms

Remote clock offset: -1.558 ms

Below is generated by plot.py at 2018-04-17 09:57:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.31 Mbit/s

95th percentile per-packet one-way delay: 47.629 ms

Loss rate: 0.80%

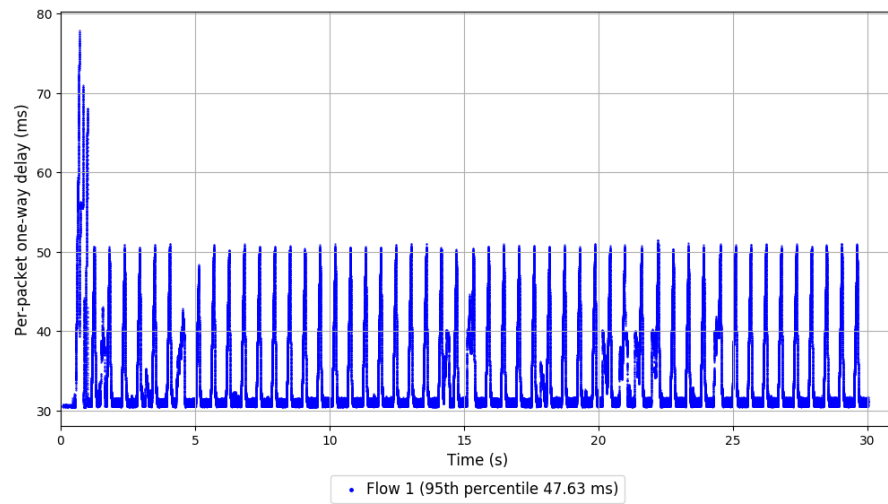
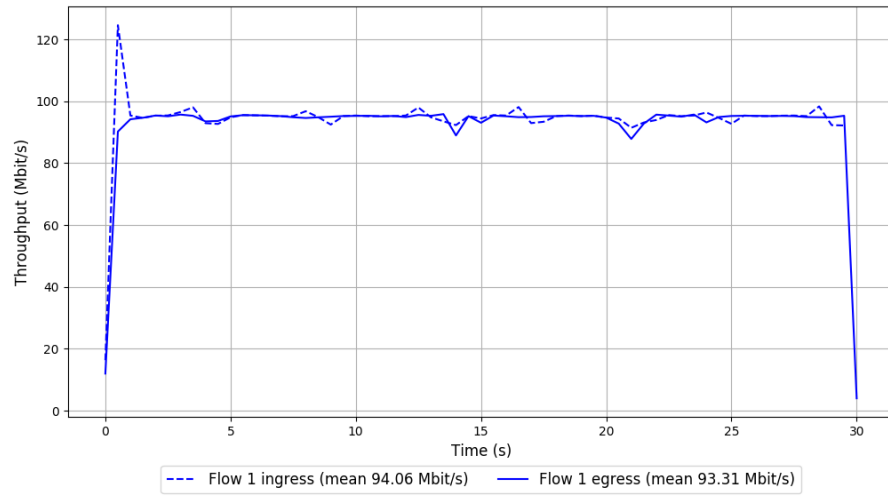
-- Flow 1:

Average throughput: 93.31 Mbit/s

95th percentile per-packet one-way delay: 47.629 ms

Loss rate: 0.80%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-04-17 07:42:46

End at: 2018-04-17 07:43:16

Local clock offset: 0.469 ms

Remote clock offset: -1.887 ms

Below is generated by plot.py at 2018-04-17 09:57:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.72 Mbit/s

95th percentile per-packet one-way delay: 48.165 ms

Loss rate: 0.65%

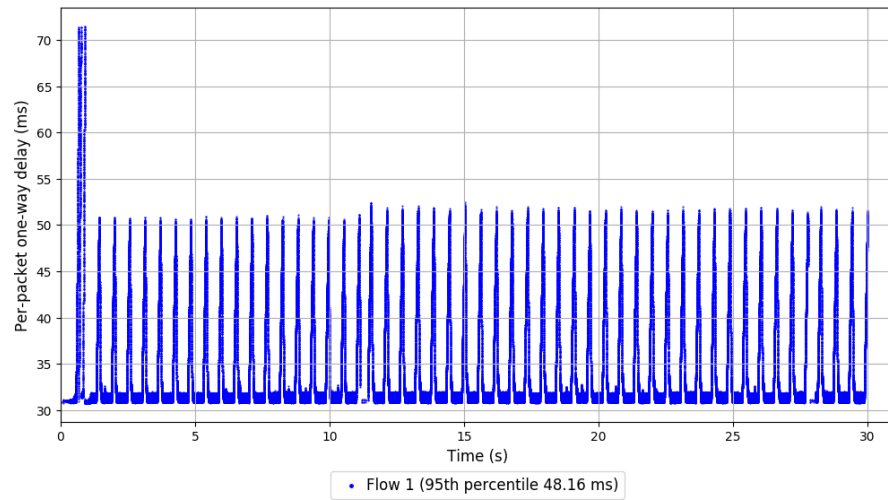
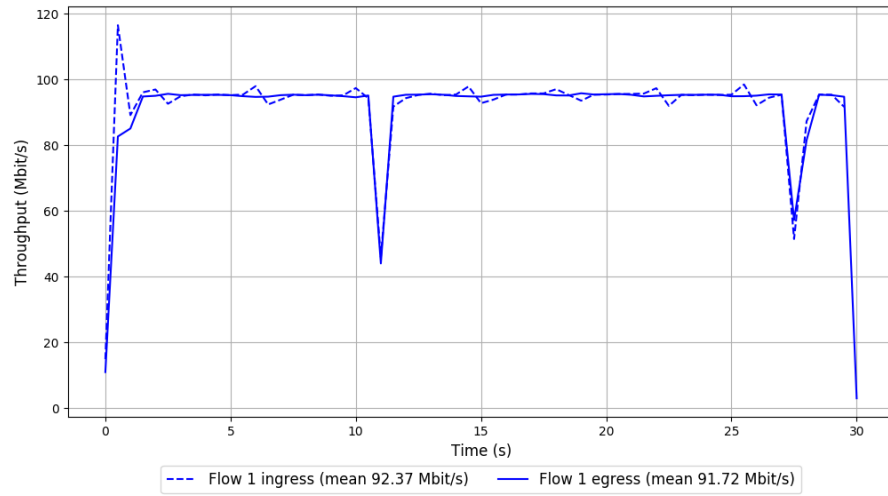
-- Flow 1:

Average throughput: 91.72 Mbit/s

95th percentile per-packet one-way delay: 48.165 ms

Loss rate: 0.65%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-04-17 08:06:03

End at: 2018-04-17 08:06:33

Local clock offset: 0.143 ms

Remote clock offset: -1.395 ms

Below is generated by plot.py at 2018-04-17 09:57:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.63 Mbit/s

95th percentile per-packet one-way delay: 47.414 ms

Loss rate: 0.64%

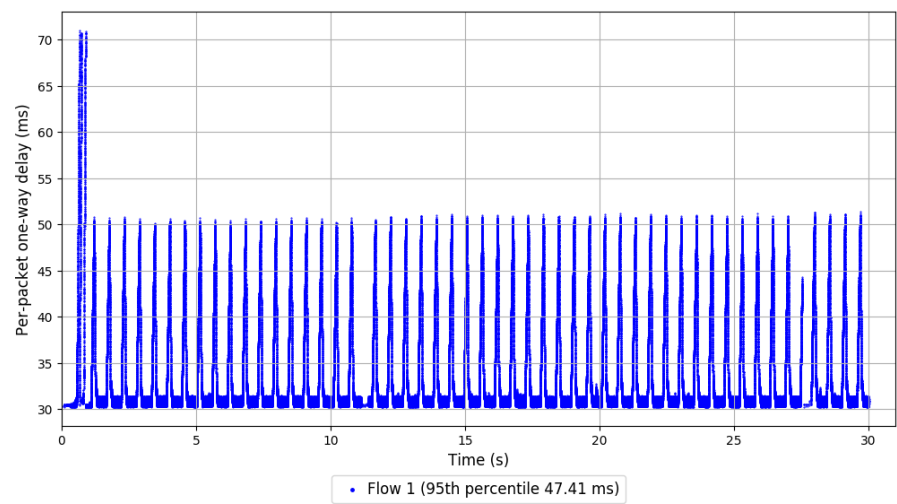
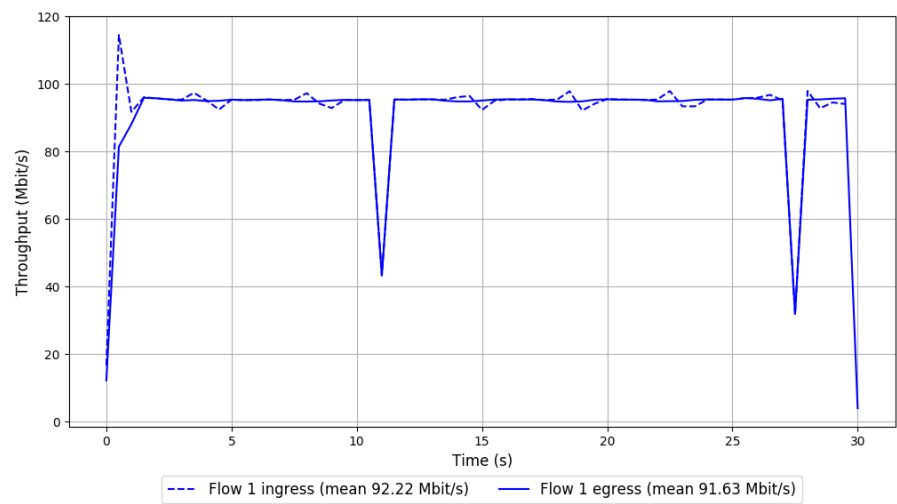
-- Flow 1:

Average throughput: 91.63 Mbit/s

95th percentile per-packet one-way delay: 47.414 ms

Loss rate: 0.64%

Run 6: Report of TCP BBR — Data Link

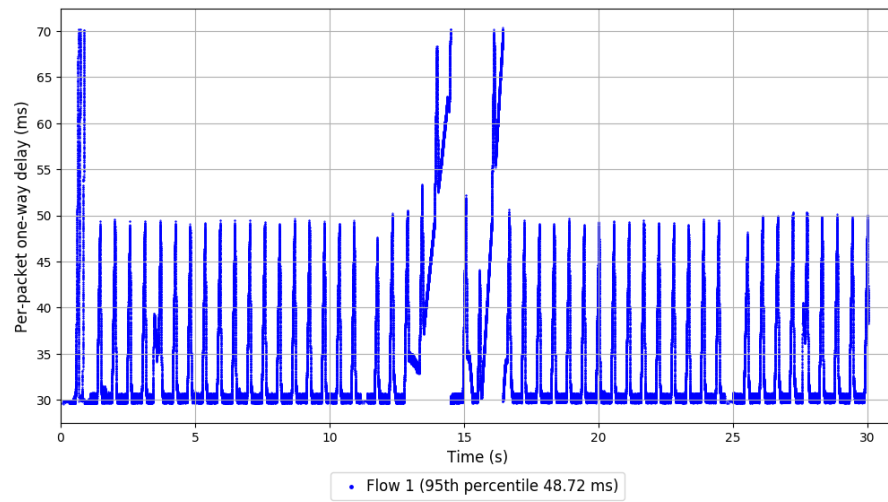
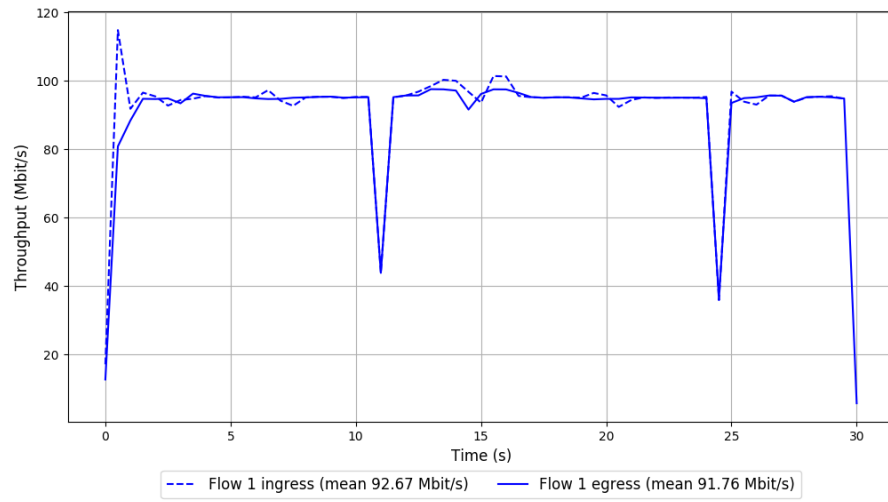


Run 7: Statistics of TCP BBR

Start at: 2018-04-17 08:29:11
End at: 2018-04-17 08:29:41
Local clock offset: -0.396 ms
Remote clock offset: -2.323 ms

Below is generated by plot.py at 2018-04-17 09:57:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.76 Mbit/s
95th percentile per-packet one-way delay: 48.722 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 91.76 Mbit/s
95th percentile per-packet one-way delay: 48.722 ms
Loss rate: 0.95%

Run 7: Report of TCP BBR — Data Link

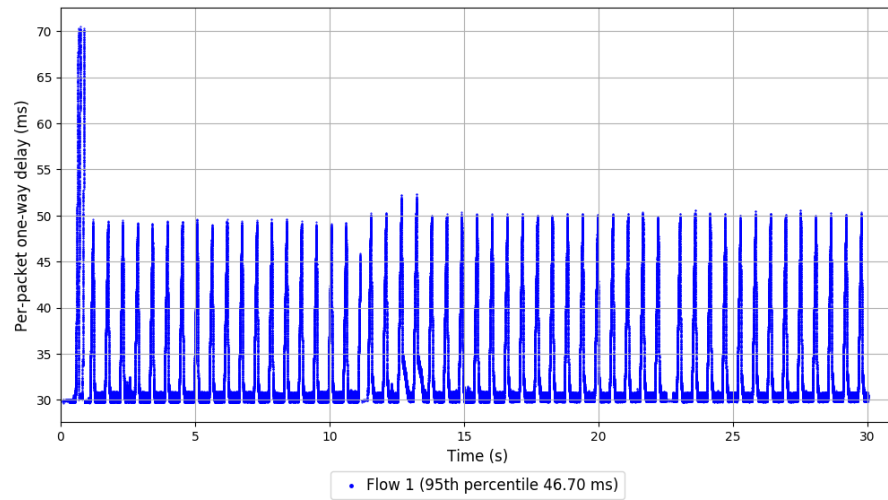
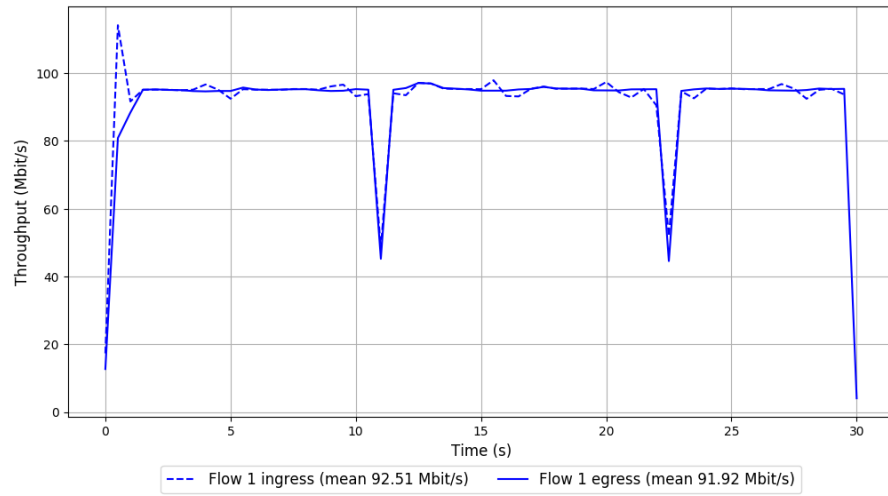


Run 8: Statistics of TCP BBR

Start at: 2018-04-17 08:51:47
End at: 2018-04-17 08:52:17
Local clock offset: -0.504 ms
Remote clock offset: -3.149 ms

Below is generated by plot.py at 2018-04-17 09:57:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.92 Mbit/s
95th percentile per-packet one-way delay: 46.696 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 91.92 Mbit/s
95th percentile per-packet one-way delay: 46.696 ms
Loss rate: 0.64%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-04-17 09:14:38

End at: 2018-04-17 09:15:08

Local clock offset: 0.487 ms

Remote clock offset: -1.035 ms

Below is generated by plot.py at 2018-04-17 09:58:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.48 Mbit/s

95th percentile per-packet one-way delay: 47.591 ms

Loss rate: 0.75%

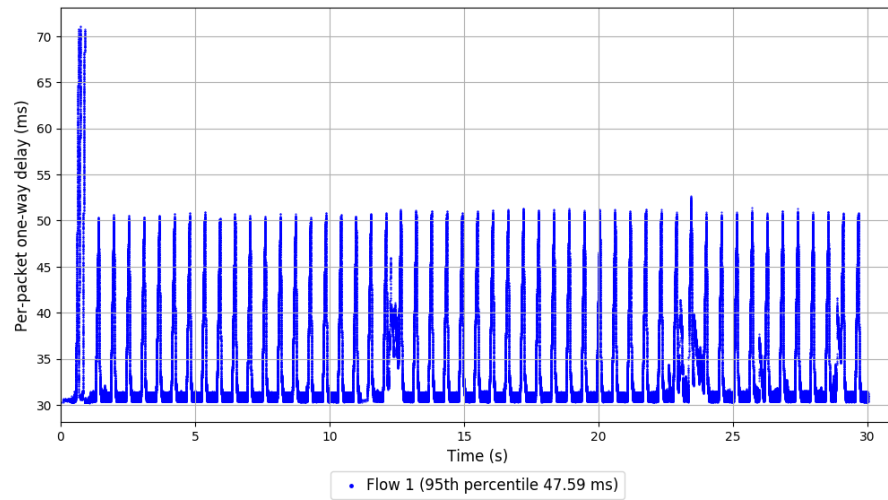
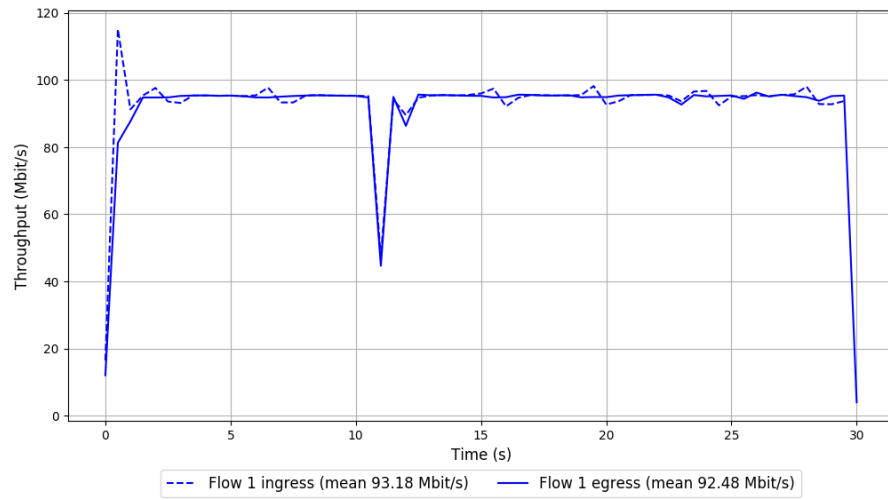
-- Flow 1:

Average throughput: 92.48 Mbit/s

95th percentile per-packet one-way delay: 47.591 ms

Loss rate: 0.75%

Run 9: Report of TCP BBR — Data Link

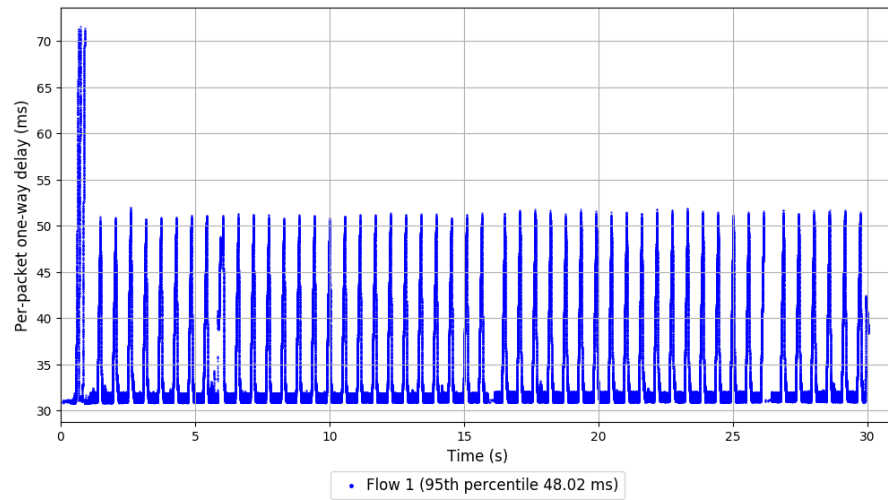
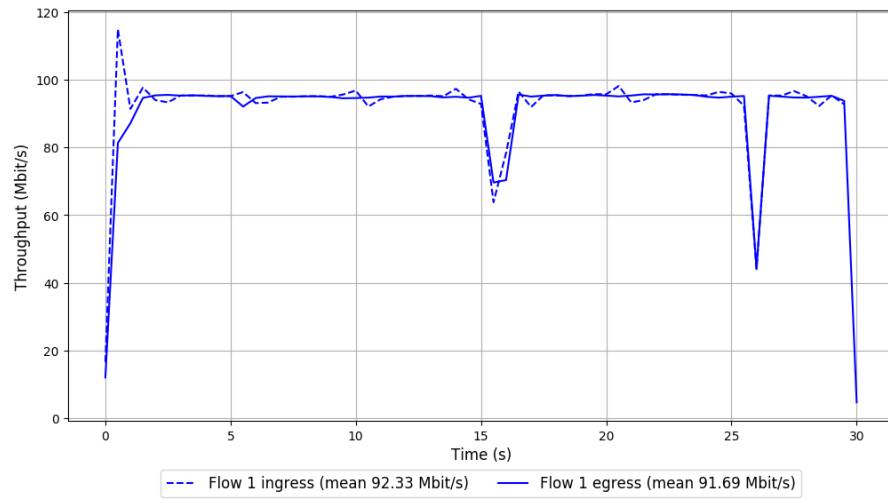


Run 10: Statistics of TCP BBR

Start at: 2018-04-17 09:37:16
End at: 2018-04-17 09:37:46
Local clock offset: 3.015 ms
Remote clock offset: -1.065 ms

Below is generated by plot.py at 2018-04-17 09:58:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.69 Mbit/s
95th percentile per-packet one-way delay: 48.025 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 91.69 Mbit/s
95th percentile per-packet one-way delay: 48.025 ms
Loss rate: 0.67%

Run 10: Report of TCP BBR — Data Link

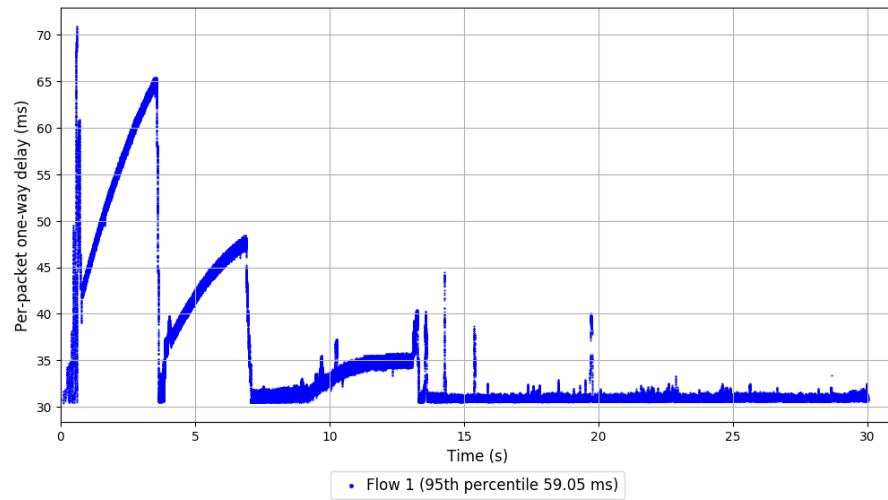
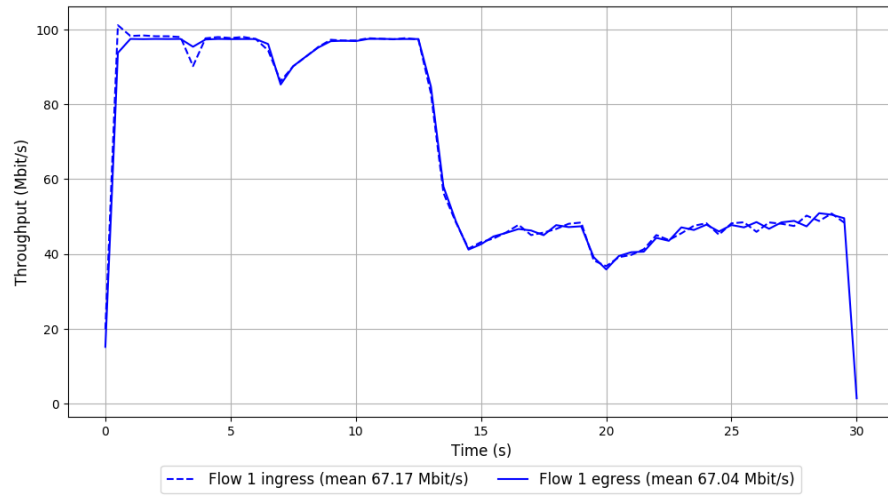


Run 1: Statistics of TCP Cubic

Start at: 2018-04-17 06:05:19
End at: 2018-04-17 06:05:49
Local clock offset: -2.675 ms
Remote clock offset: -2.138 ms

Below is generated by plot.py at 2018-04-17 09:58:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.04 Mbit/s
95th percentile per-packet one-way delay: 59.050 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 67.04 Mbit/s
95th percentile per-packet one-way delay: 59.050 ms
Loss rate: 0.20%

Run 1: Report of TCP Cubic — Data Link

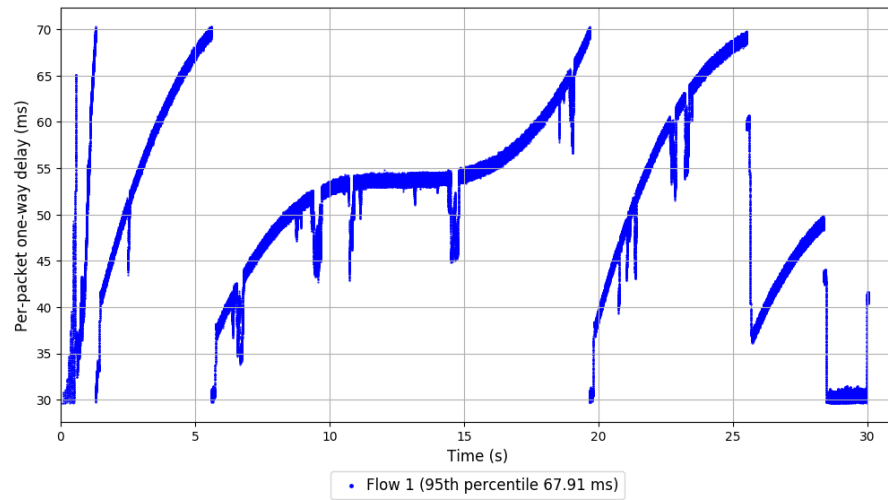
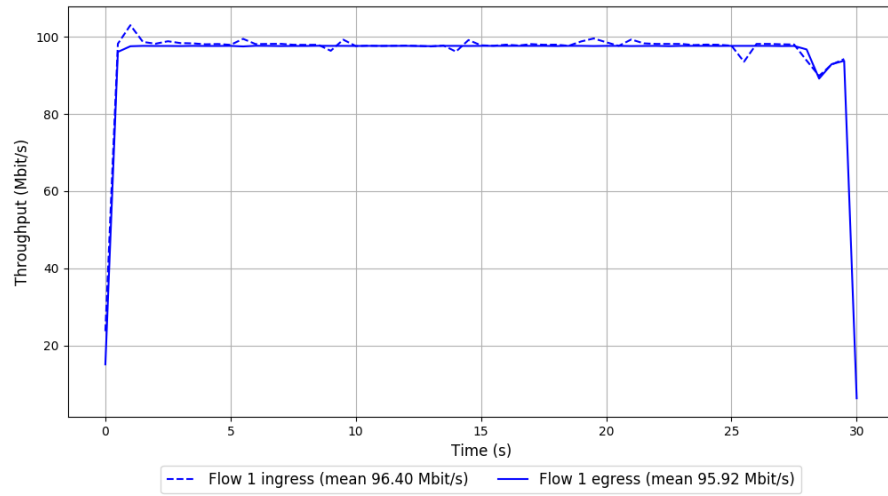


Run 2: Statistics of TCP Cubic

Start at: 2018-04-17 06:28:28
End at: 2018-04-17 06:28:58
Local clock offset: -0.587 ms
Remote clock offset: -2.402 ms

Below is generated by plot.py at 2018-04-17 09:58:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.92 Mbit/s
95th percentile per-packet one-way delay: 67.908 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 95.92 Mbit/s
95th percentile per-packet one-way delay: 67.908 ms
Loss rate: 0.46%

Run 2: Report of TCP Cubic — Data Link

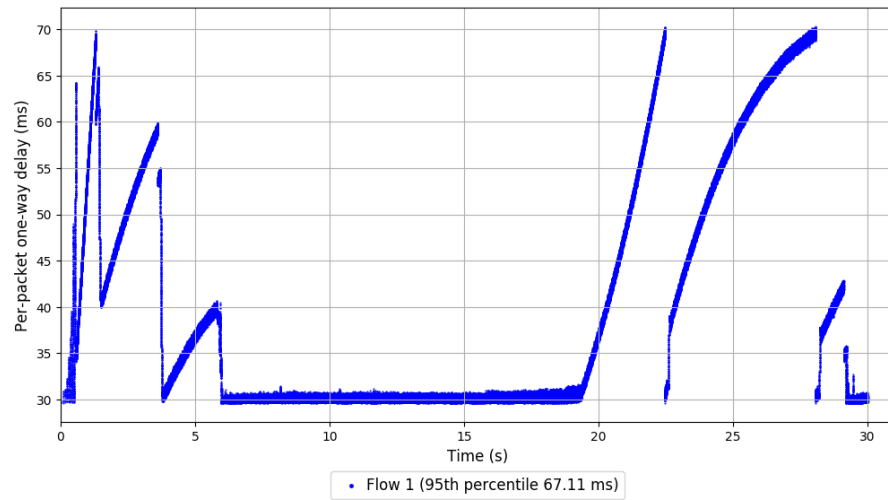
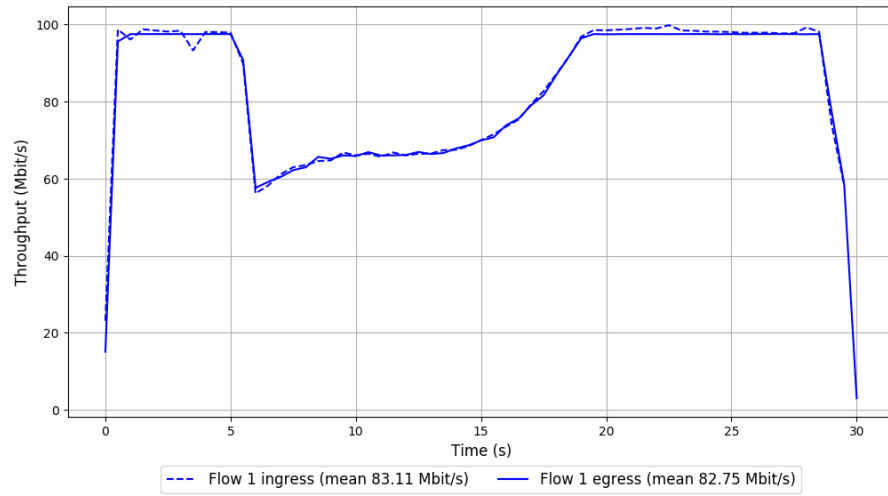


Run 3: Statistics of TCP Cubic

Start at: 2018-04-17 06:51:48
End at: 2018-04-17 06:52:18
Local clock offset: 0.018 ms
Remote clock offset: -1.536 ms

Below is generated by plot.py at 2018-04-17 09:58:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.75 Mbit/s
95th percentile per-packet one-way delay: 67.105 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 82.75 Mbit/s
95th percentile per-packet one-way delay: 67.105 ms
Loss rate: 0.43%

Run 3: Report of TCP Cubic — Data Link

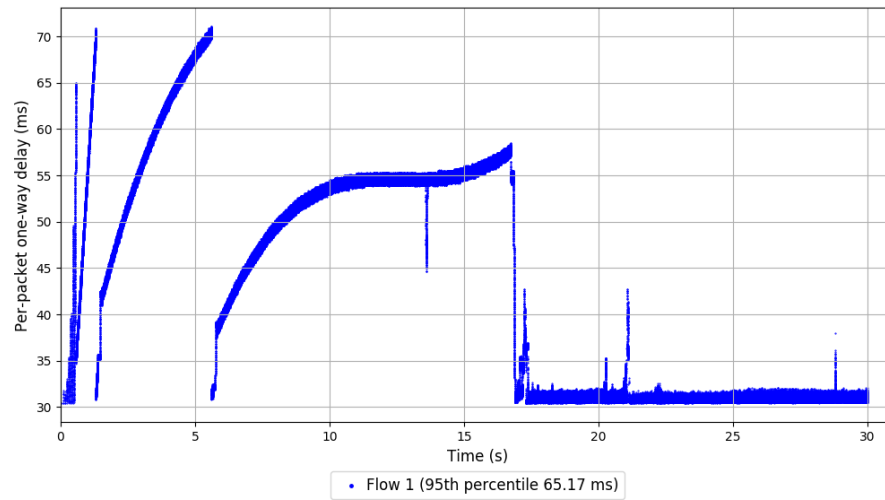
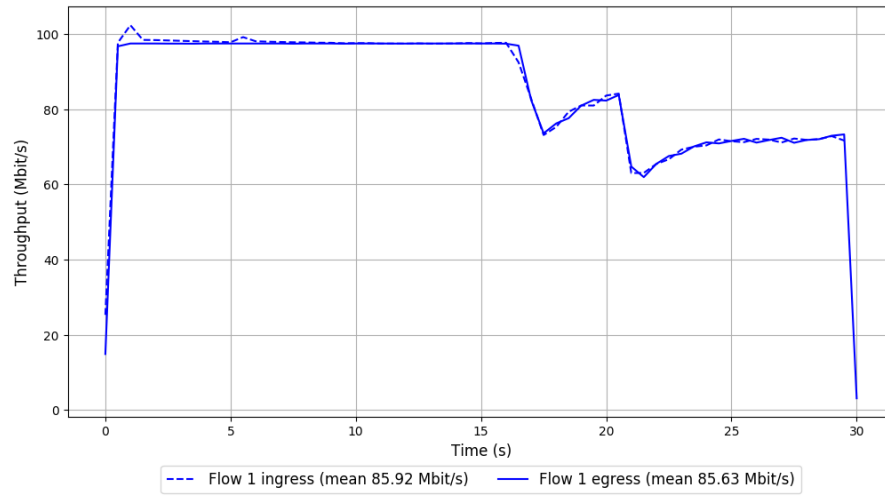


Run 4: Statistics of TCP Cubic

Start at: 2018-04-17 07:14:44
End at: 2018-04-17 07:15:14
Local clock offset: 0.252 ms
Remote clock offset: -1.092 ms

Below is generated by plot.py at 2018-04-17 09:58:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.63 Mbit/s
95th percentile per-packet one-way delay: 65.170 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 85.63 Mbit/s
95th percentile per-packet one-way delay: 65.170 ms
Loss rate: 0.35%

Run 4: Report of TCP Cubic — Data Link

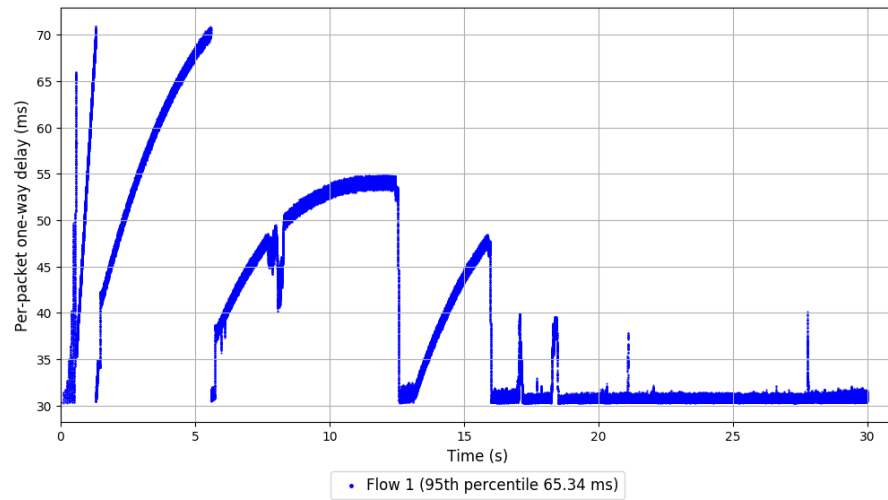
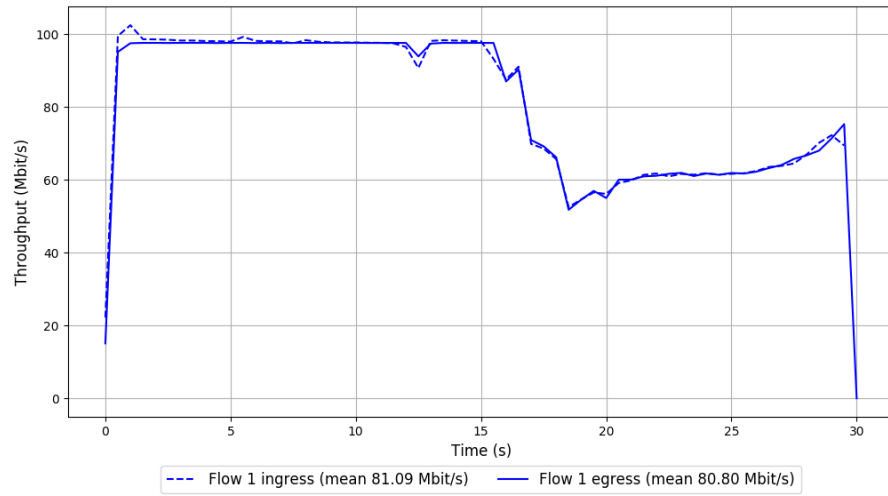


Run 5: Statistics of TCP Cubic

Start at: 2018-04-17 07:37:31
End at: 2018-04-17 07:38:01
Local clock offset: 0.534 ms
Remote clock offset: -2.263 ms

Below is generated by plot.py at 2018-04-17 09:58:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.80 Mbit/s
95th percentile per-packet one-way delay: 65.345 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 80.80 Mbit/s
95th percentile per-packet one-way delay: 65.345 ms
Loss rate: 0.35%

Run 5: Report of TCP Cubic — Data Link

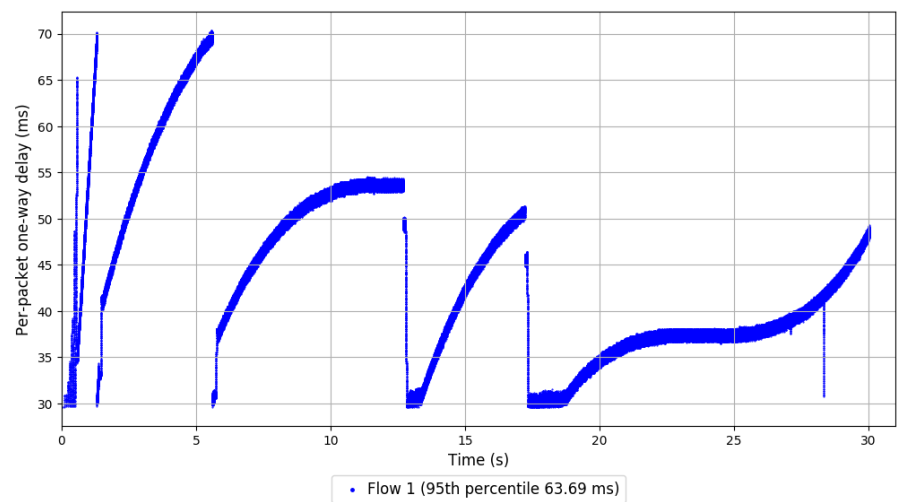
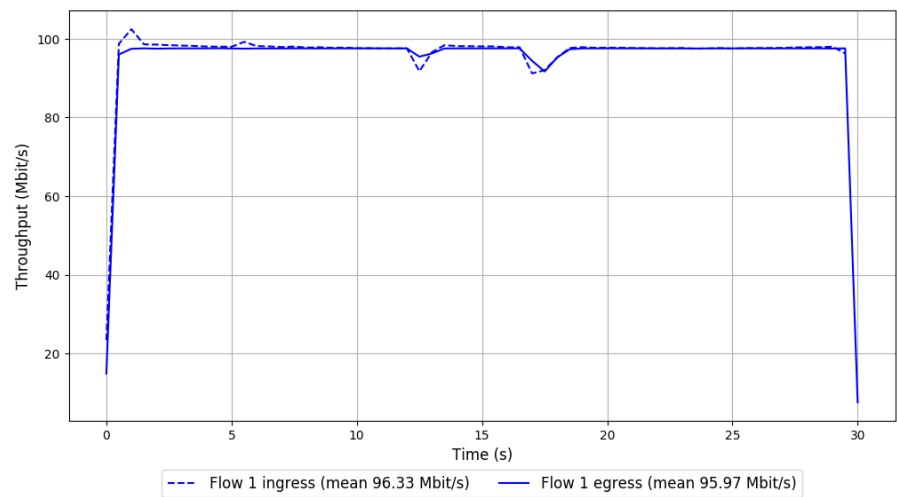


Run 6: Statistics of TCP Cubic

Start at: 2018-04-17 08:00:46
End at: 2018-04-17 08:01:16
Local clock offset: 0.166 ms
Remote clock offset: -1.501 ms

Below is generated by plot.py at 2018-04-17 09:59:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 63.693 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 63.693 ms
Loss rate: 0.31%

Run 6: Report of TCP Cubic — Data Link

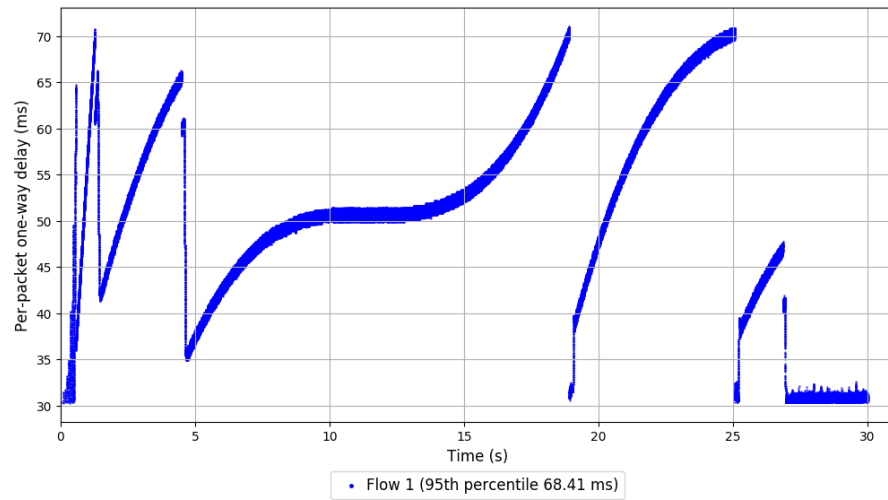
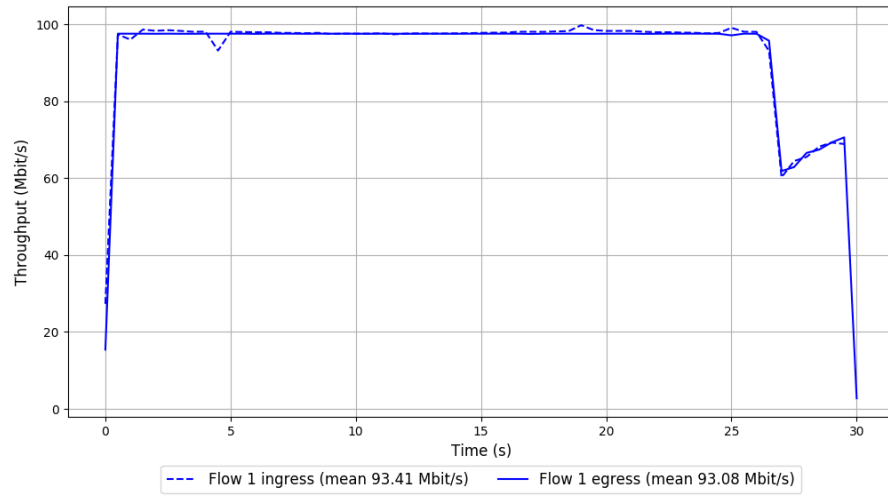


Run 7: Statistics of TCP Cubic

Start at: 2018-04-17 08:23:54
End at: 2018-04-17 08:24:24
Local clock offset: -0.41 ms
Remote clock offset: -1.104 ms

Below is generated by plot.py at 2018-04-17 09:59:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.08 Mbit/s
95th percentile per-packet one-way delay: 68.409 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 93.08 Mbit/s
95th percentile per-packet one-way delay: 68.409 ms
Loss rate: 0.36%

Run 7: Report of TCP Cubic — Data Link

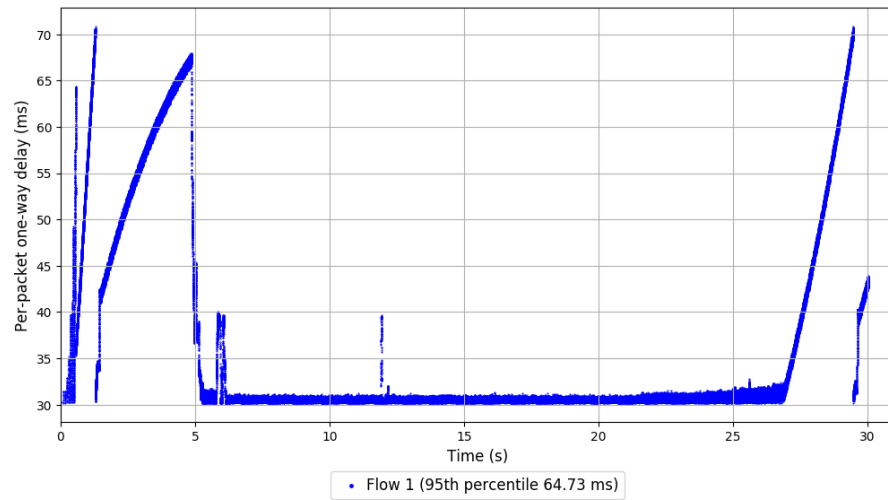
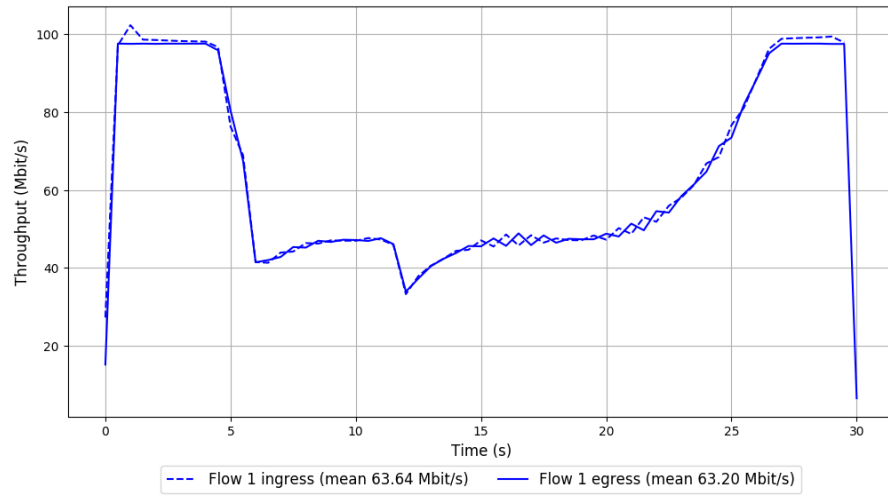


Run 8: Statistics of TCP Cubic

Start at: 2018-04-17 08:46:34
End at: 2018-04-17 08:47:04
Local clock offset: -0.787 ms
Remote clock offset: -2.642 ms

Below is generated by plot.py at 2018-04-17 09:59:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.20 Mbit/s
95th percentile per-packet one-way delay: 64.732 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 63.20 Mbit/s
95th percentile per-packet one-way delay: 64.732 ms
Loss rate: 0.64%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-04-17 09:09:22

End at: 2018-04-17 09:09:52

Local clock offset: 0.351 ms

Remote clock offset: -1.34 ms

Below is generated by plot.py at 2018-04-17 10:00:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.24 Mbit/s

95th percentile per-packet one-way delay: 68.337 ms

Loss rate: 0.54%

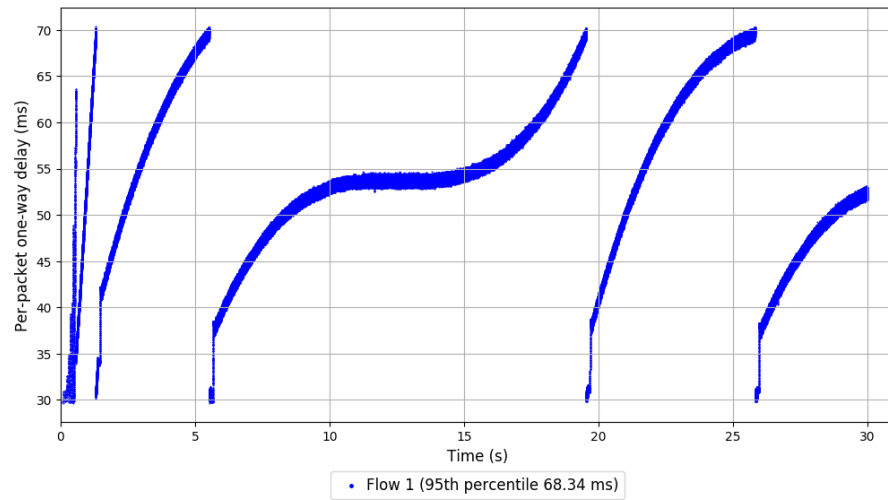
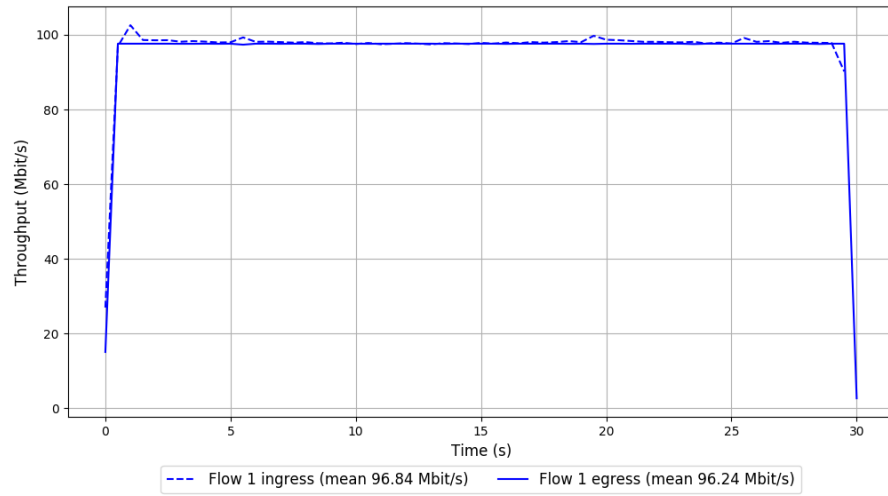
-- Flow 1:

Average throughput: 96.24 Mbit/s

95th percentile per-packet one-way delay: 68.337 ms

Loss rate: 0.54%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-04-17 09:32:00

End at: 2018-04-17 09:32:30

Local clock offset: 2.368 ms

Remote clock offset: -0.448 ms

Below is generated by plot.py at 2018-04-17 10:00:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.15 Mbit/s

95th percentile per-packet one-way delay: 69.551 ms

Loss rate: 0.30%

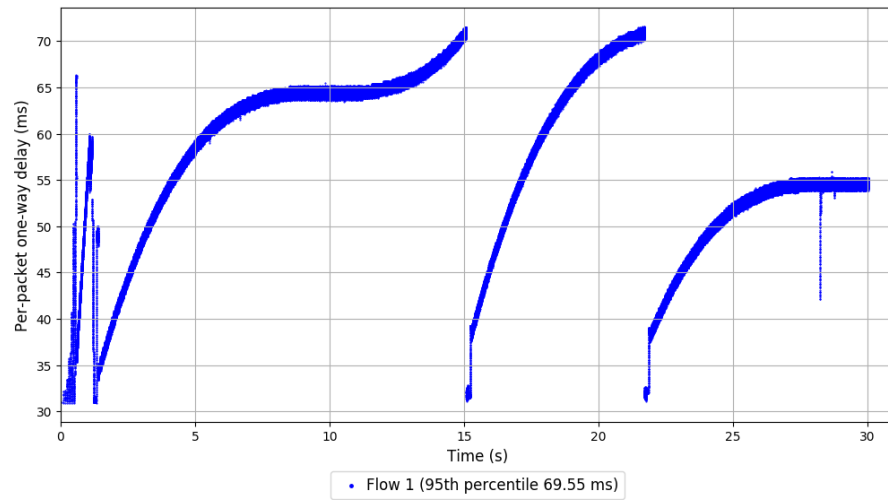
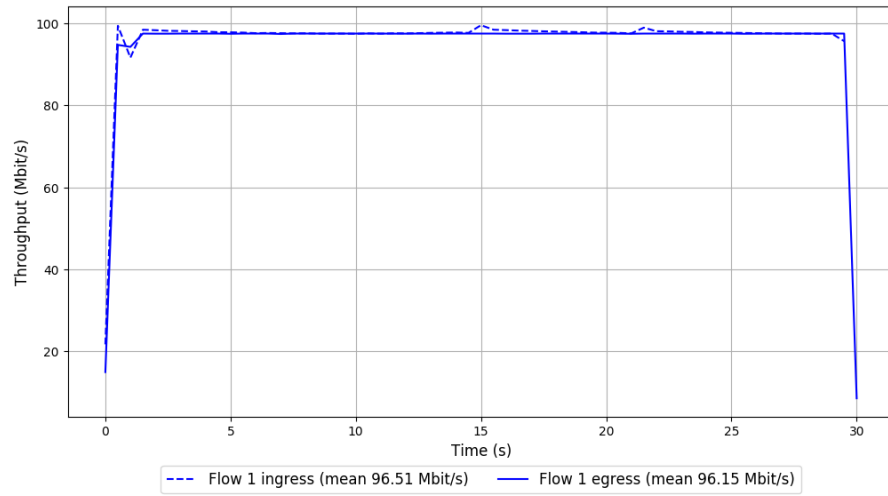
-- Flow 1:

Average throughput: 96.15 Mbit/s

95th percentile per-packet one-way delay: 69.551 ms

Loss rate: 0.30%

Run 10: Report of TCP Cubic — Data Link

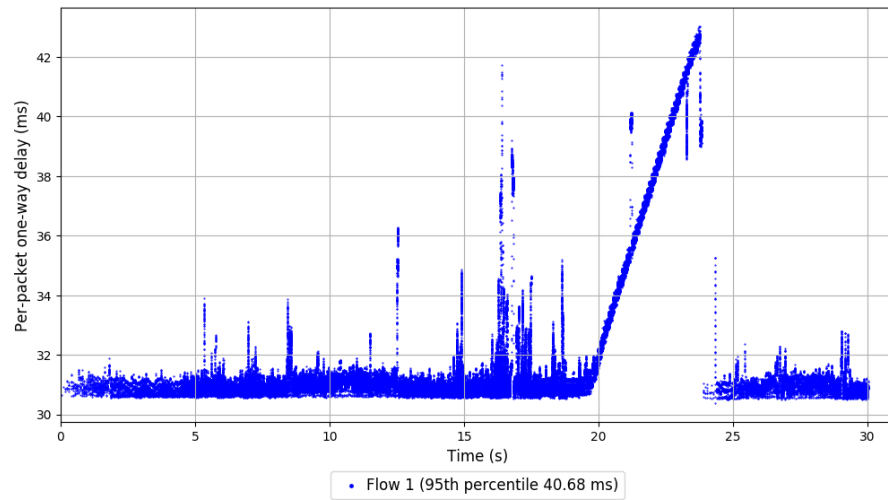
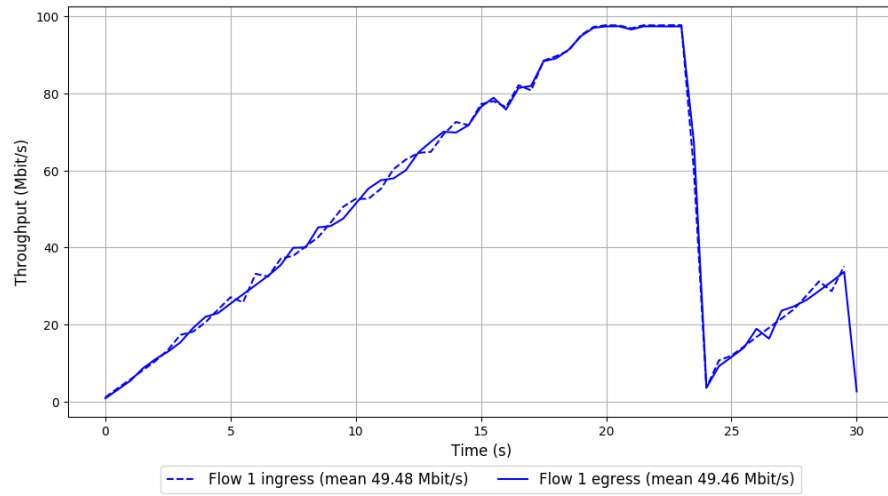


```
Run 1: Statistics of LEDBAT

Start at: 2018-04-17 05:55:08
End at: 2018-04-17 05:55:38
Local clock offset: -4.946 ms
Remote clock offset: -1.61 ms

# Below is generated by plot.py at 2018-04-17 10:00:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.46 Mbit/s
95th percentile per-packet one-way delay: 40.683 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 49.46 Mbit/s
95th percentile per-packet one-way delay: 40.683 ms
Loss rate: 0.03%
```


Run 1: Report of LEDBAT — Data Link

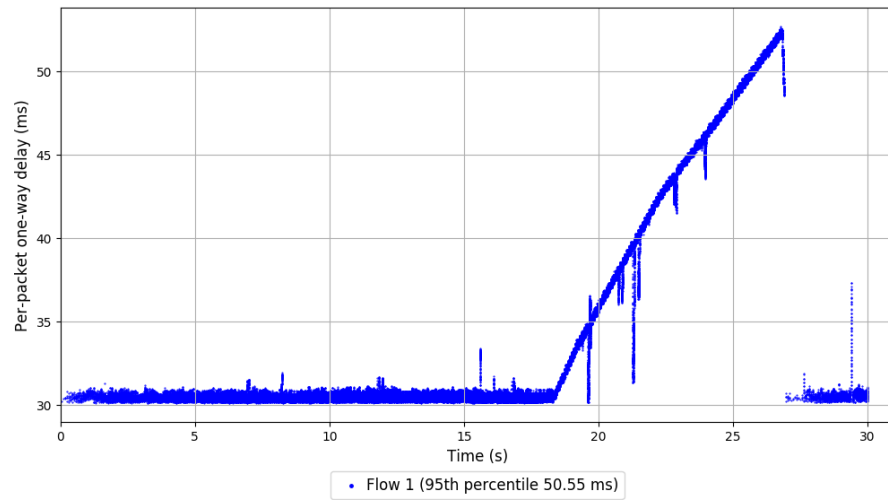
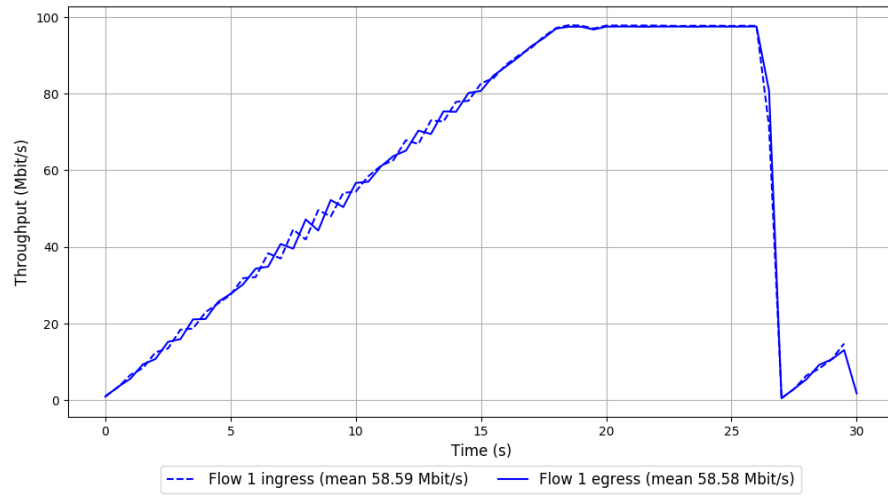


Run 2: Statistics of LEDBAT

Start at: 2018-04-17 06:18:54
End at: 2018-04-17 06:19:24
Local clock offset: -0.798 ms
Remote clock offset: -1.897 ms

Below is generated by plot.py at 2018-04-17 10:00:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.58 Mbit/s
95th percentile per-packet one-way delay: 50.547 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 58.58 Mbit/s
95th percentile per-packet one-way delay: 50.547 ms
Loss rate: 0.02%

Run 2: Report of LEDBAT — Data Link

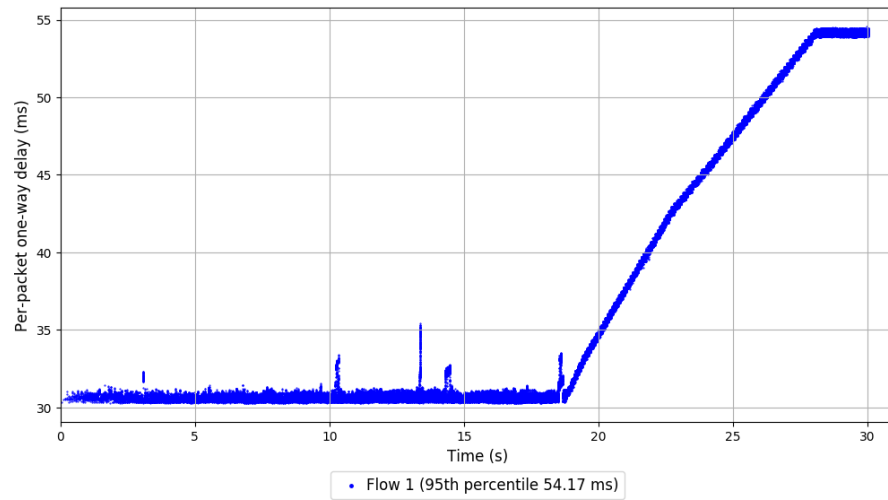
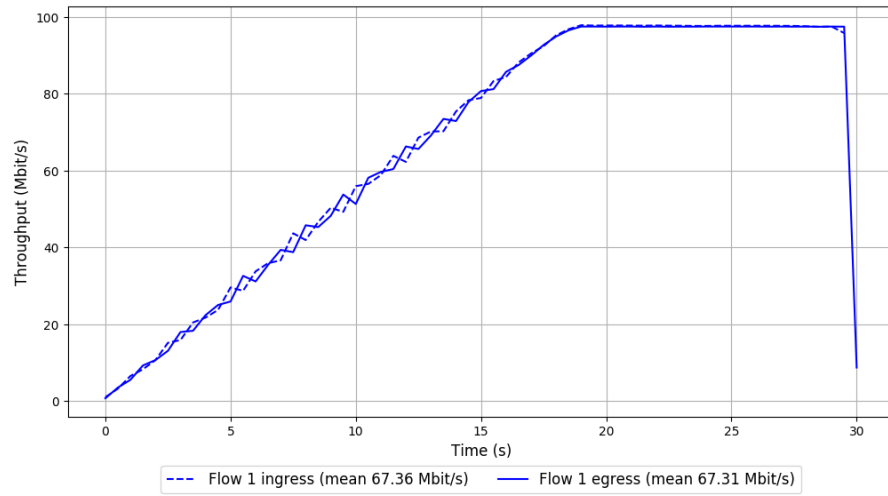


Run 3: Statistics of LEDBAT

Start at: 2018-04-17 06:42:19
End at: 2018-04-17 06:42:49
Local clock offset: -0.113 ms
Remote clock offset: -2.134 ms

Below is generated by plot.py at 2018-04-17 10:00:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.31 Mbit/s
95th percentile per-packet one-way delay: 54.175 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.31 Mbit/s
95th percentile per-packet one-way delay: 54.175 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

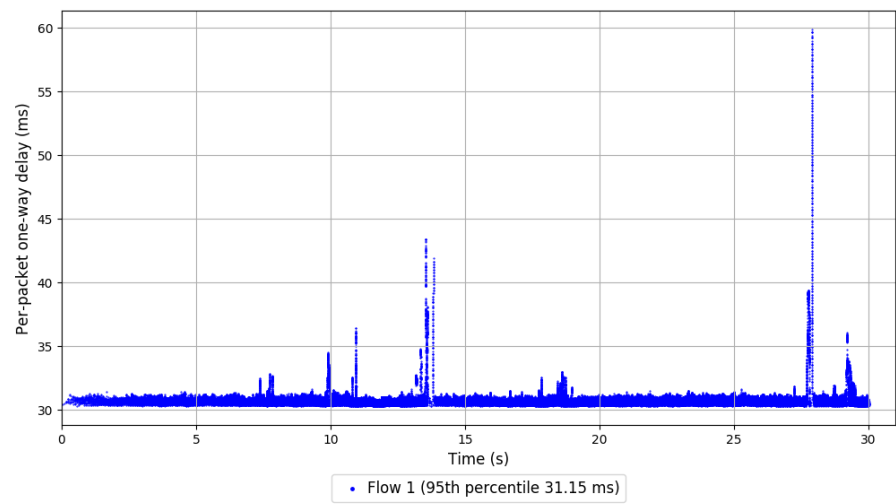
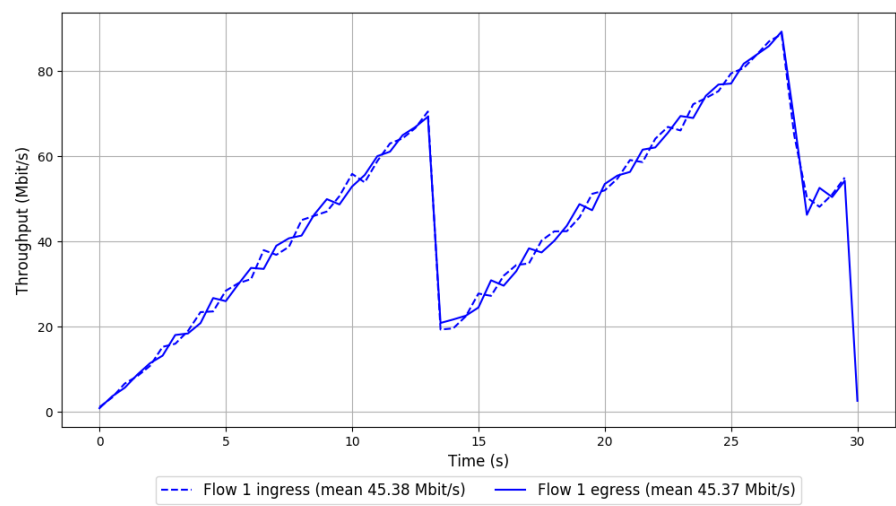


Run 4: Statistics of LEDBAT

Start at: 2018-04-17 07:05:12
End at: 2018-04-17 07:05:42
Local clock offset: 0.026 ms
Remote clock offset: -1.101 ms

Below is generated by plot.py at 2018-04-17 10:00:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 45.37 Mbit/s
95th percentile per-packet one-way delay: 31.146 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 45.37 Mbit/s
95th percentile per-packet one-way delay: 31.146 ms
Loss rate: 0.04%

Run 4: Report of LEDBAT — Data Link

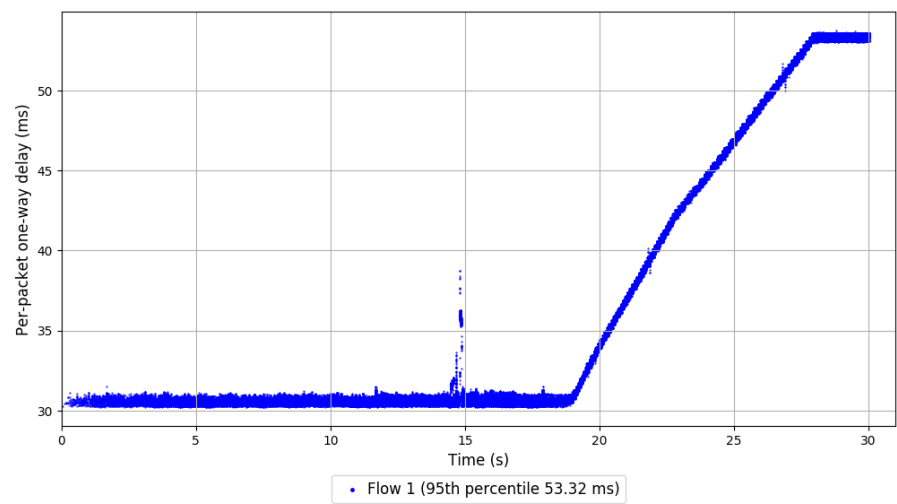
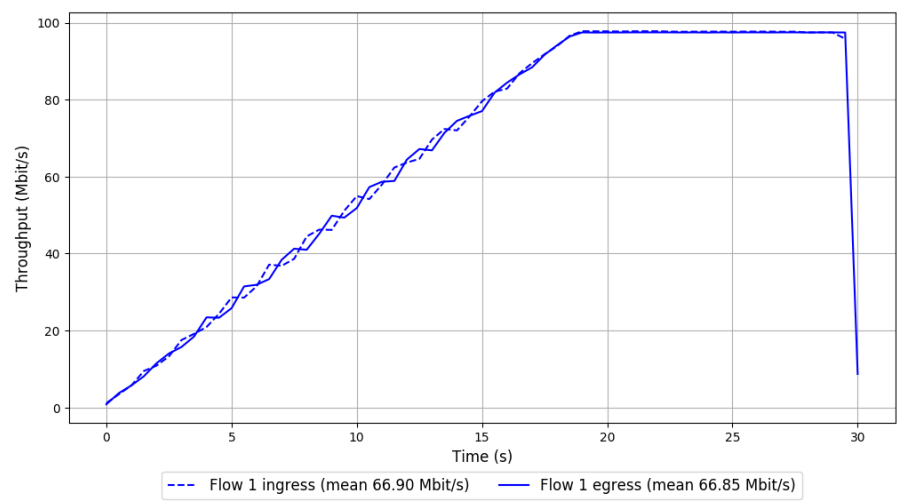


Run 5: Statistics of LEDBAT

Start at: 2018-04-17 07:28:09
End at: 2018-04-17 07:28:39
Local clock offset: 0.384 ms
Remote clock offset: -1.543 ms

Below is generated by plot.py at 2018-04-17 10:00:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.85 Mbit/s
95th percentile per-packet one-way delay: 53.316 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.85 Mbit/s
95th percentile per-packet one-way delay: 53.316 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

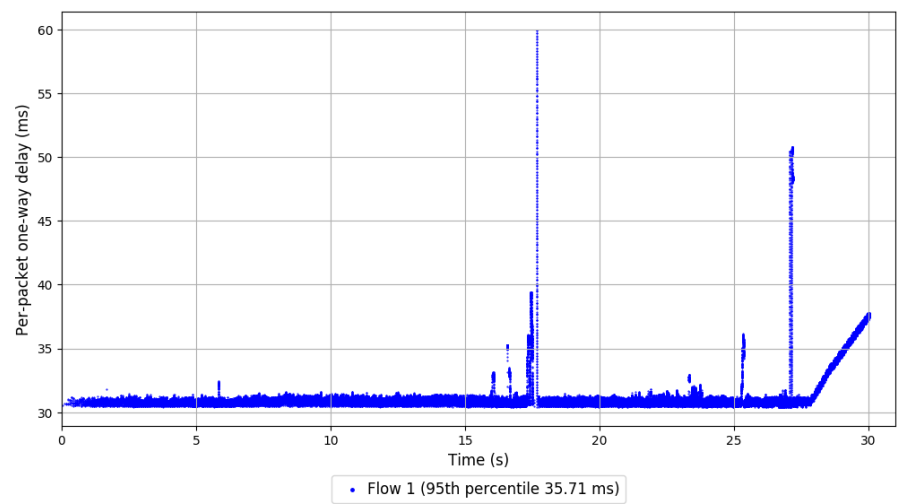
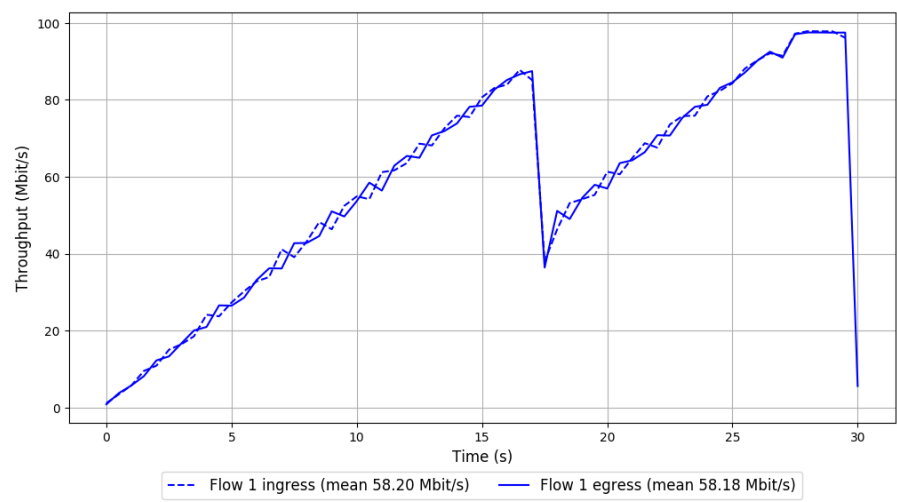


Run 6: Statistics of LEDBAT

Start at: 2018-04-17 07:50:59
End at: 2018-04-17 07:51:29
Local clock offset: 0.163 ms
Remote clock offset: -2.011 ms

Below is generated by plot.py at 2018-04-17 10:00:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.18 Mbit/s
95th percentile per-packet one-way delay: 35.707 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 58.18 Mbit/s
95th percentile per-packet one-way delay: 35.707 ms
Loss rate: 0.01%

Run 6: Report of LEDBAT — Data Link

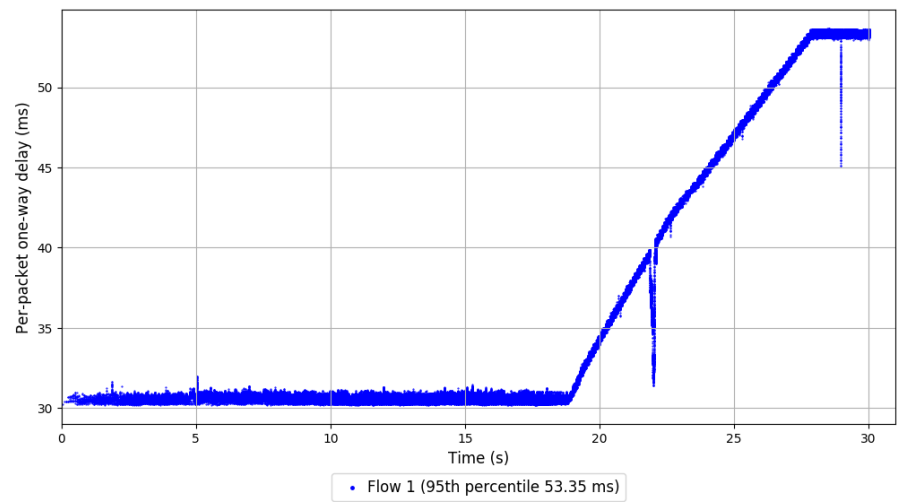
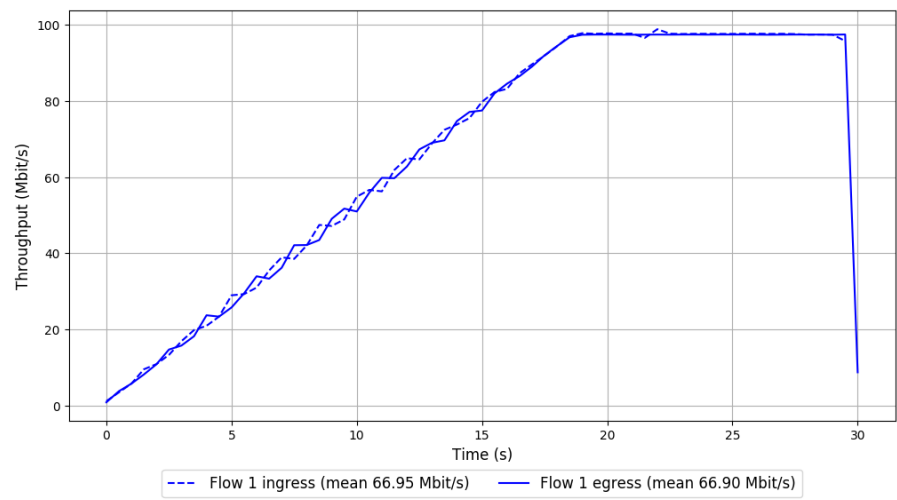


Run 7: Statistics of LEDBAT

Start at: 2018-04-17 08:14:18
End at: 2018-04-17 08:14:48
Local clock offset: -0.027 ms
Remote clock offset: -0.761 ms

Below is generated by plot.py at 2018-04-17 10:00:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.90 Mbit/s
95th percentile per-packet one-way delay: 53.351 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.90 Mbit/s
95th percentile per-packet one-way delay: 53.351 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

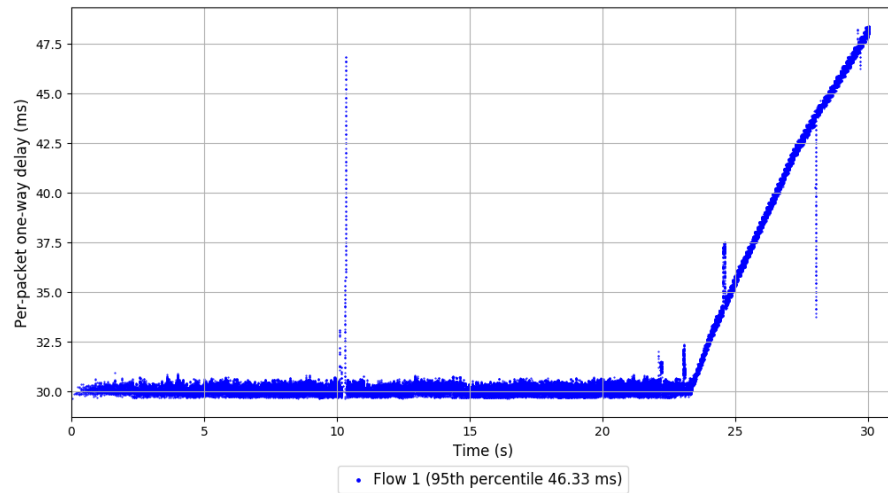
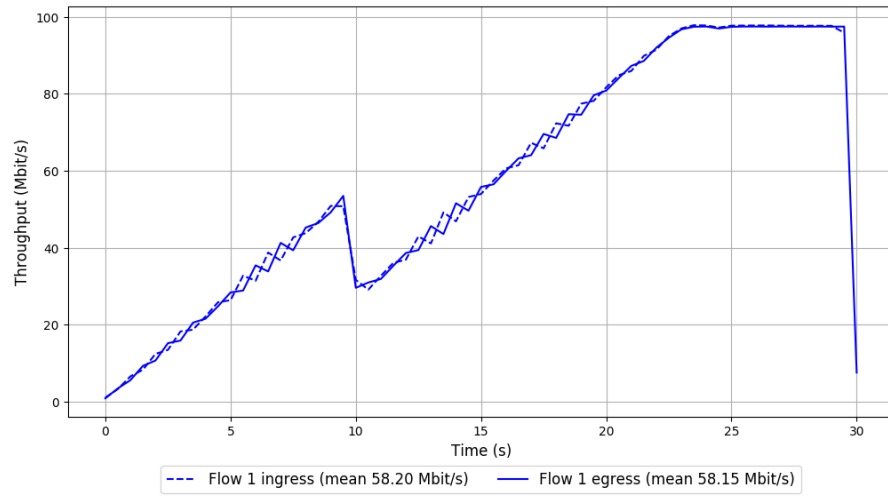


Run 8: Statistics of LEDBAT

Start at: 2018-04-17 08:37:12
End at: 2018-04-17 08:37:42
Local clock offset: -0.54 ms
Remote clock offset: -2.814 ms

Below is generated by plot.py at 2018-04-17 10:00:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.15 Mbit/s
95th percentile per-packet one-way delay: 46.326 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 58.15 Mbit/s
95th percentile per-packet one-way delay: 46.326 ms
Loss rate: 0.02%

Run 8: Report of LEDBAT — Data Link

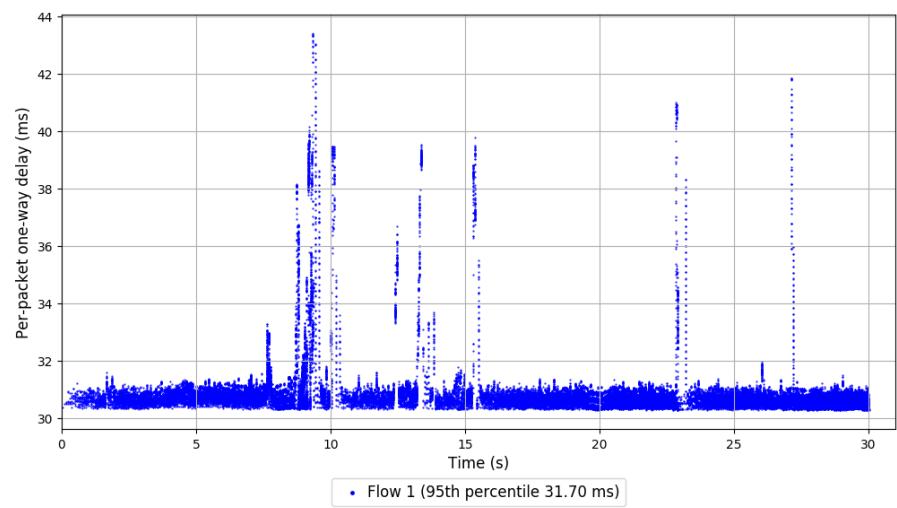
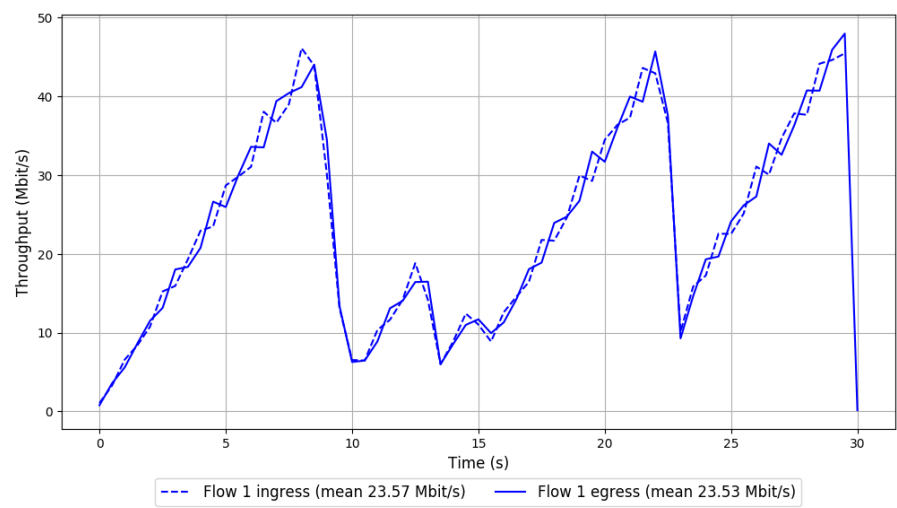


Run 9: Statistics of LEDBAT

Start at: 2018-04-17 08:59:52
End at: 2018-04-17 09:00:22
Local clock offset: 0.059 ms
Remote clock offset: -2.321 ms

Below is generated by plot.py at 2018-04-17 10:00:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.53 Mbit/s
95th percentile per-packet one-way delay: 31.701 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 23.53 Mbit/s
95th percentile per-packet one-way delay: 31.701 ms
Loss rate: 0.16%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-04-17 09:22:40

End at: 2018-04-17 09:23:10

Local clock offset: 0.532 ms

Remote clock offset: -0.7 ms

Below is generated by plot.py at 2018-04-17 10:00:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.09 Mbit/s

95th percentile per-packet one-way delay: 30.521 ms

Loss rate: 0.25%

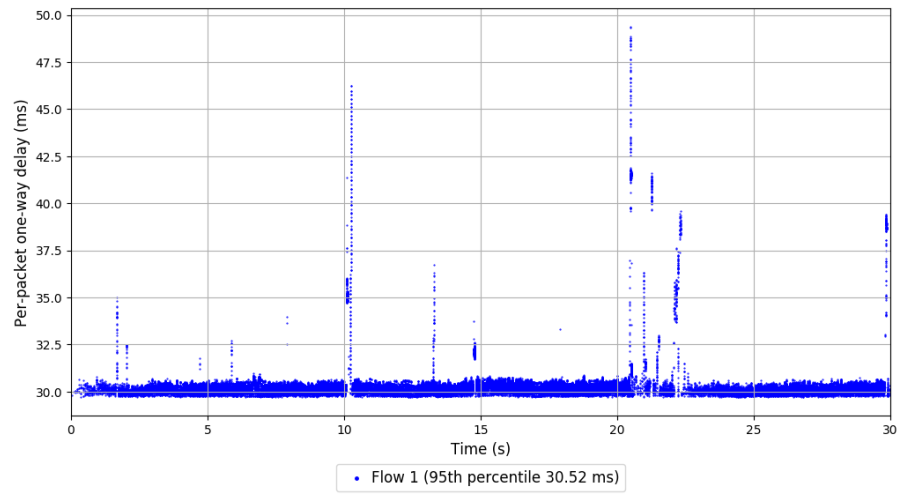
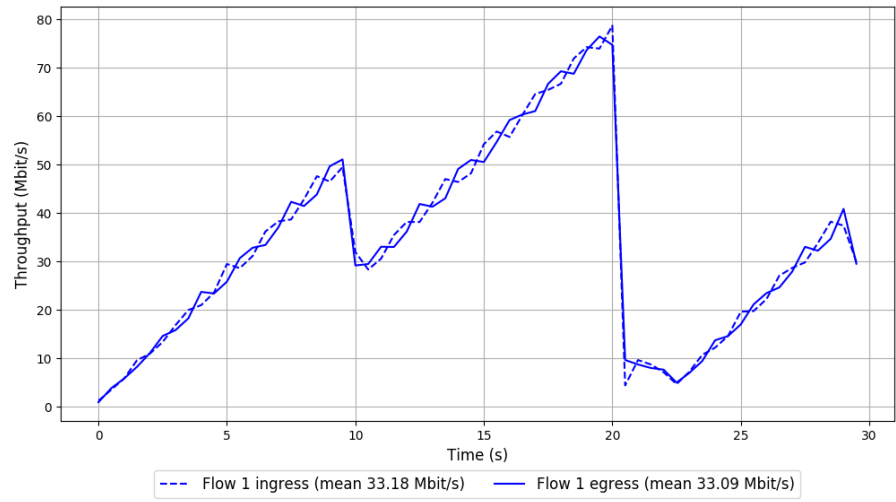
-- Flow 1:

Average throughput: 33.09 Mbit/s

95th percentile per-packet one-way delay: 30.521 ms

Loss rate: 0.25%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-04-17 06:02:07

End at: 2018-04-17 06:02:37

Local clock offset: -4.126 ms

Remote clock offset: -2.109 ms

Below is generated by plot.py at 2018-04-17 10:01:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.14 Mbit/s

95th percentile per-packet one-way delay: 38.090 ms

Loss rate: 0.73%

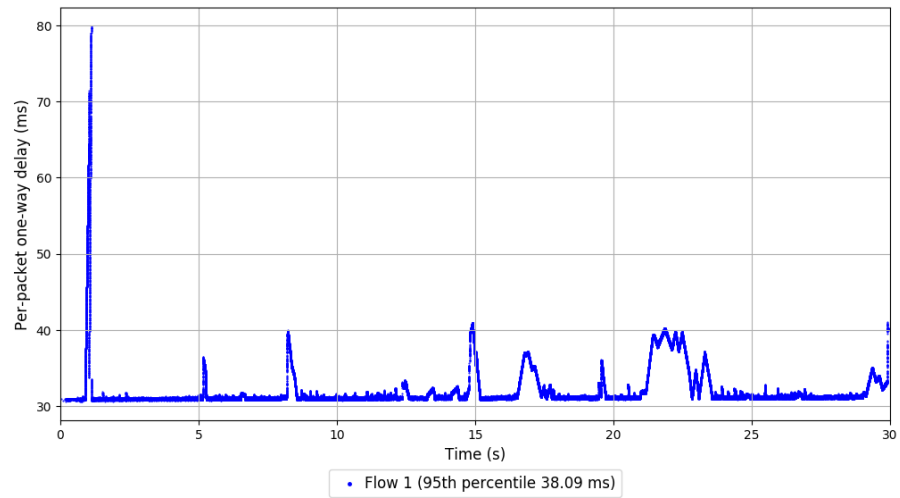
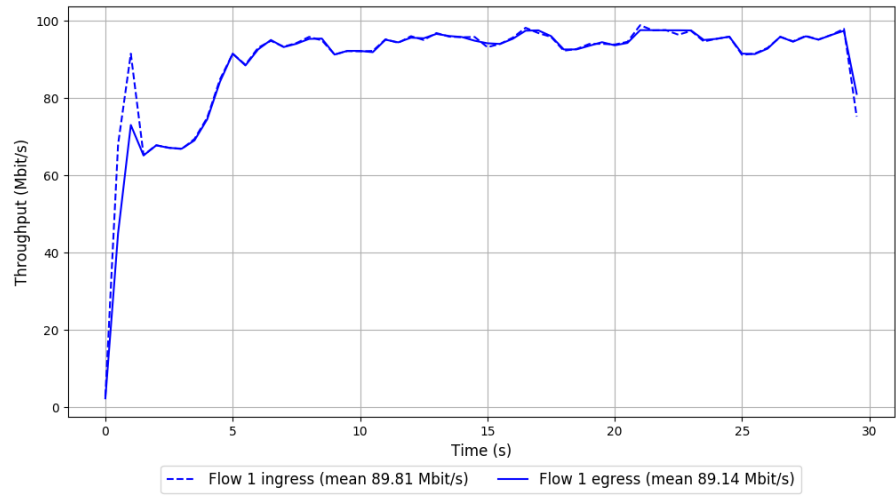
-- Flow 1:

Average throughput: 89.14 Mbit/s

95th percentile per-packet one-way delay: 38.090 ms

Loss rate: 0.73%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-04-17 06:25:39

End at: 2018-04-17 06:26:09

Local clock offset: -0.677 ms

Remote clock offset: -2.425 ms

Below is generated by plot.py at 2018-04-17 10:01:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.65 Mbit/s

95th percentile per-packet one-way delay: 38.323 ms

Loss rate: 0.72%

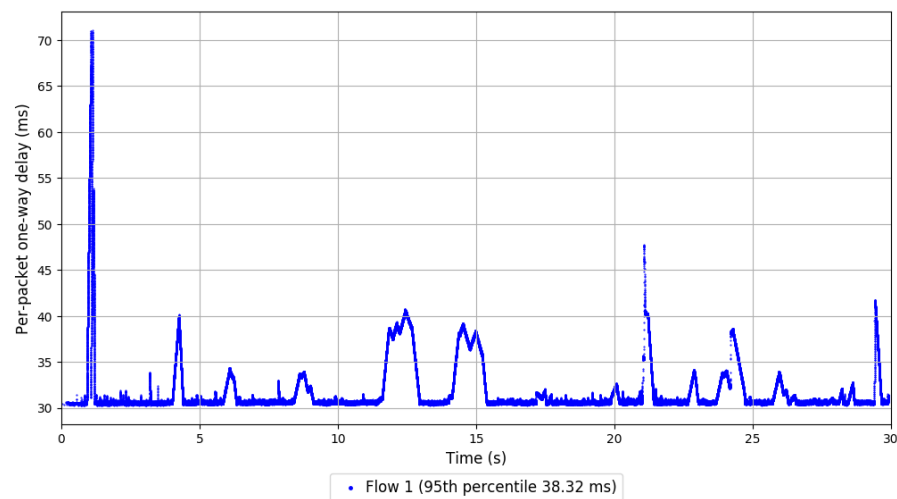
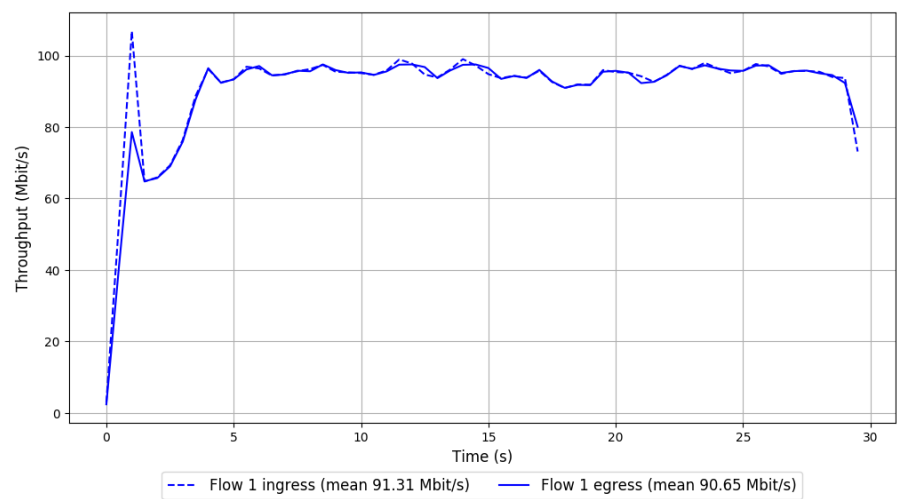
-- Flow 1:

Average throughput: 90.65 Mbit/s

95th percentile per-packet one-way delay: 38.323 ms

Loss rate: 0.72%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-04-17 06:49:02

End at: 2018-04-17 06:49:32

Local clock offset: 0.021 ms

Remote clock offset: -1.673 ms

Below is generated by plot.py at 2018-04-17 10:01:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.51 Mbit/s

95th percentile per-packet one-way delay: 37.506 ms

Loss rate: 0.73%

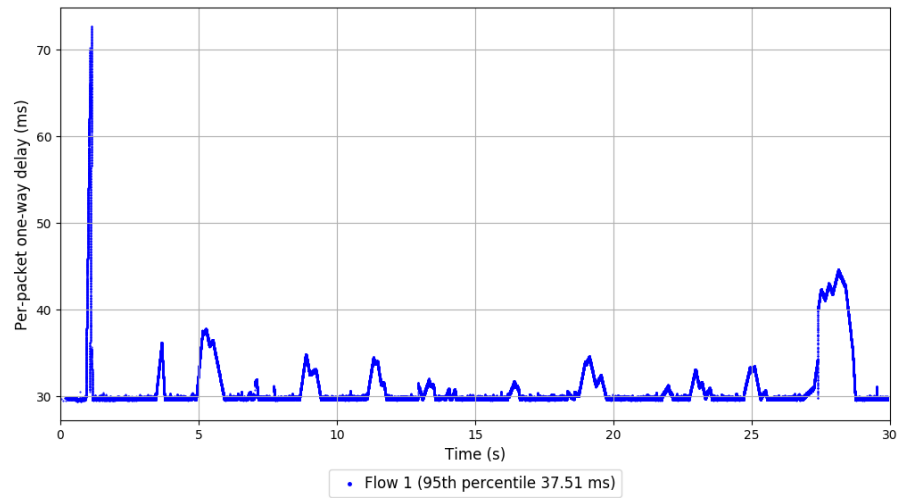
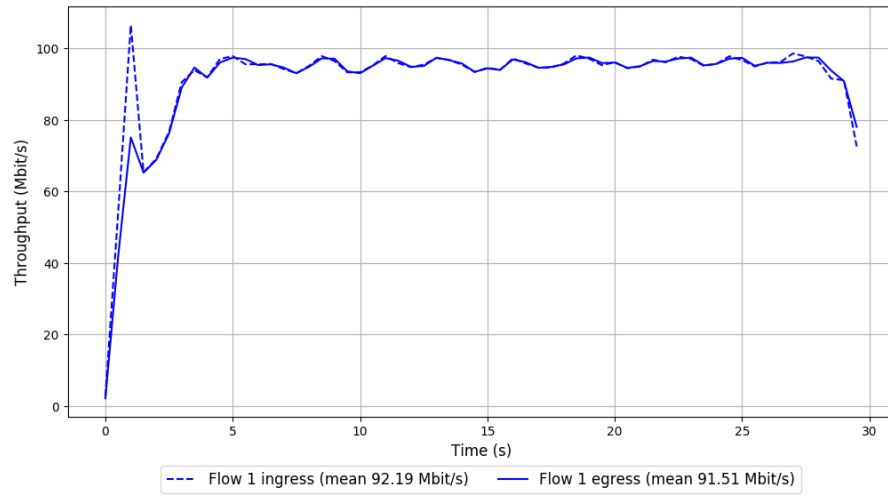
-- Flow 1:

Average throughput: 91.51 Mbit/s

95th percentile per-packet one-way delay: 37.506 ms

Loss rate: 0.73%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-04-17 07:11:58

End at: 2018-04-17 07:12:28

Local clock offset: 0.241 ms

Remote clock offset: -0.892 ms

Below is generated by plot.py at 2018-04-17 10:02:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.60 Mbit/s

95th percentile per-packet one-way delay: 34.472 ms

Loss rate: 0.71%

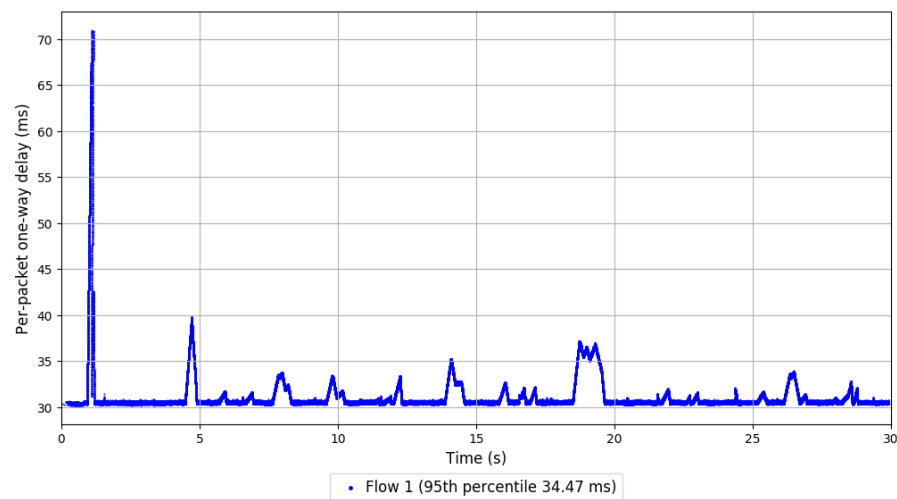
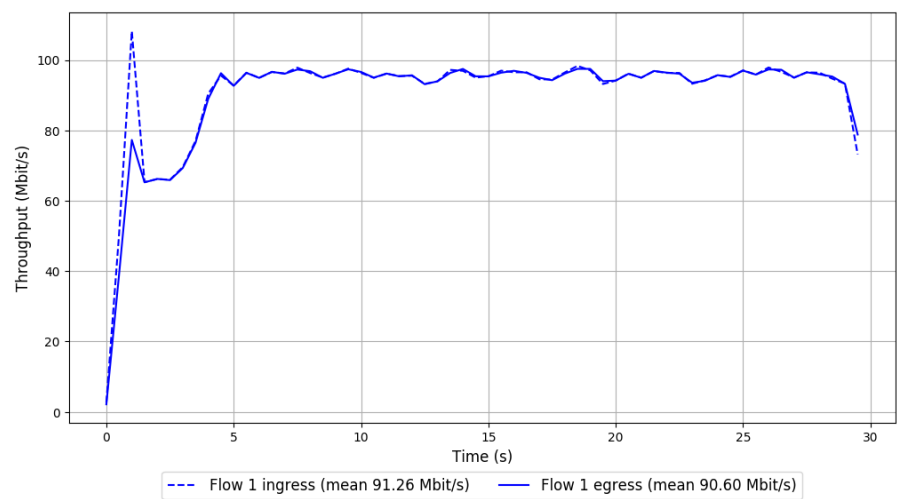
-- Flow 1:

Average throughput: 90.60 Mbit/s

95th percentile per-packet one-way delay: 34.472 ms

Loss rate: 0.71%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-04-17 07:34:48

End at: 2018-04-17 07:35:18

Local clock offset: 0.412 ms

Remote clock offset: -2.24 ms

Below is generated by plot.py at 2018-04-17 10:02:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.37 Mbit/s

95th percentile per-packet one-way delay: 37.641 ms

Loss rate: 0.90%

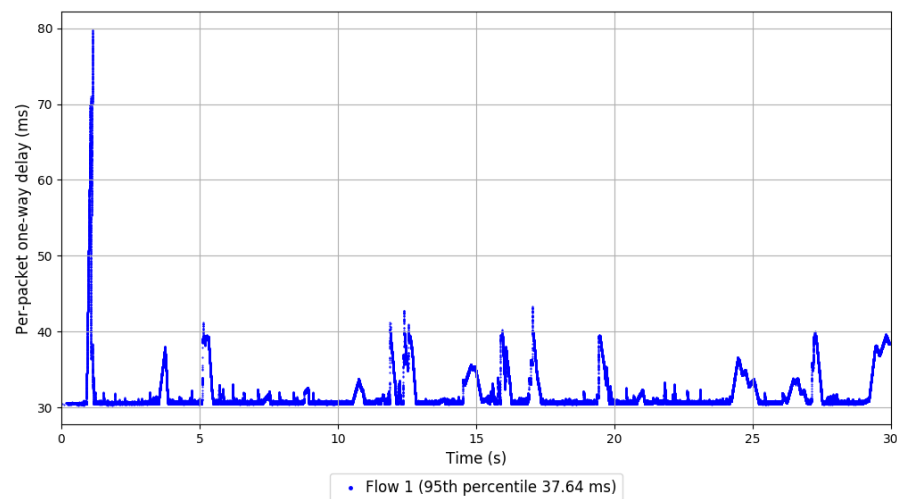
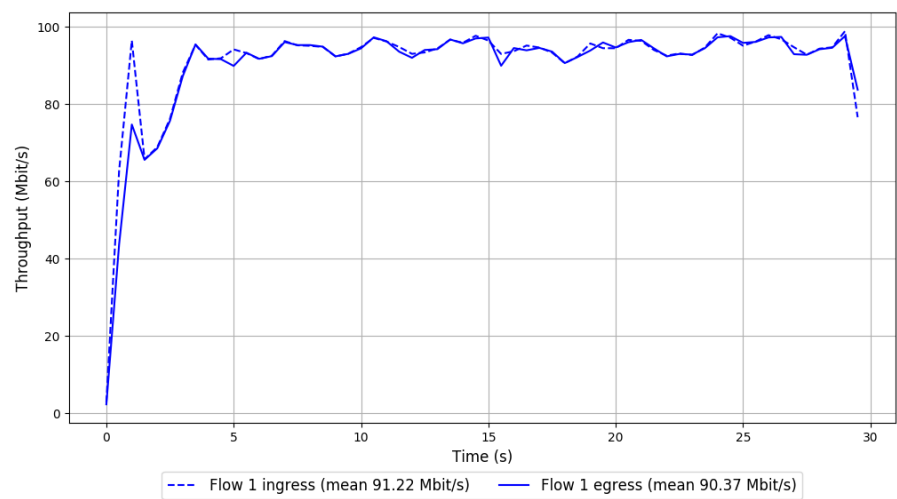
-- Flow 1:

Average throughput: 90.37 Mbit/s

95th percentile per-packet one-way delay: 37.641 ms

Loss rate: 0.90%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-04-17 07:57:57

End at: 2018-04-17 07:58:27

Local clock offset: 0.201 ms

Remote clock offset: -1.624 ms

Below is generated by plot.py at 2018-04-17 10:02:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.10 Mbit/s

95th percentile per-packet one-way delay: 38.479 ms

Loss rate: 0.90%

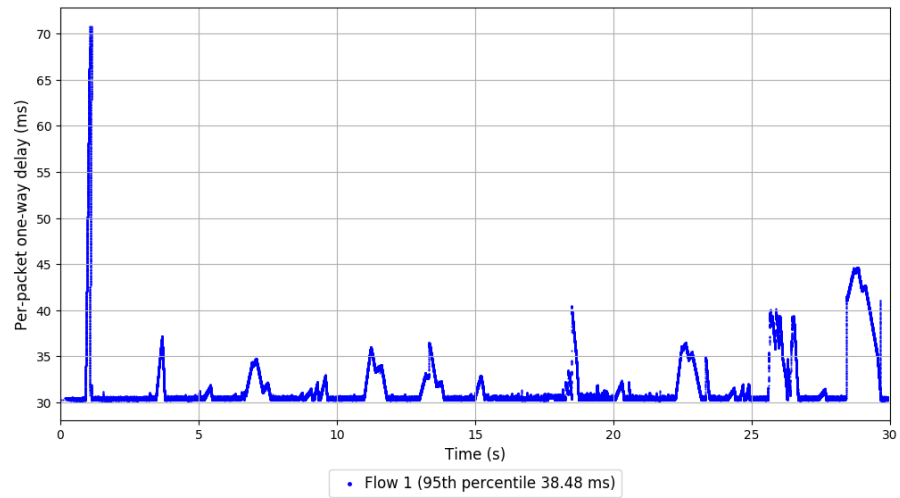
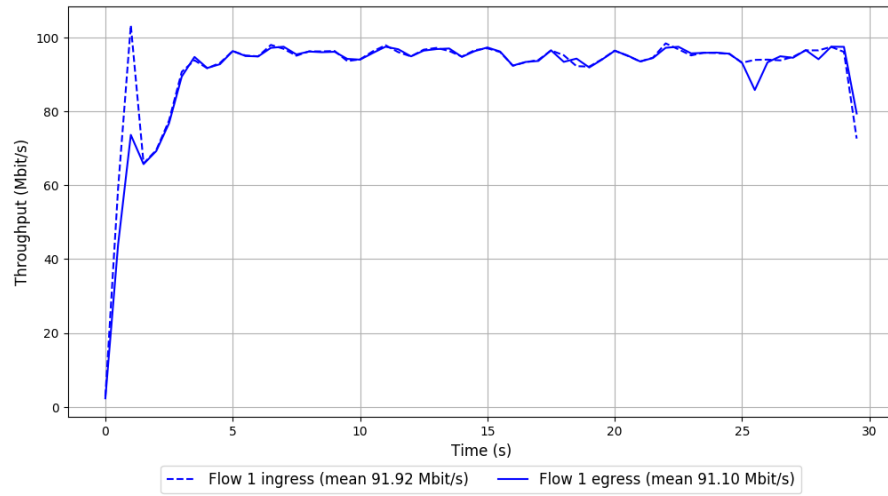
-- Flow 1:

Average throughput: 91.10 Mbit/s

95th percentile per-packet one-way delay: 38.479 ms

Loss rate: 0.90%

Run 6: Report of PCC-Allegro — Data Link

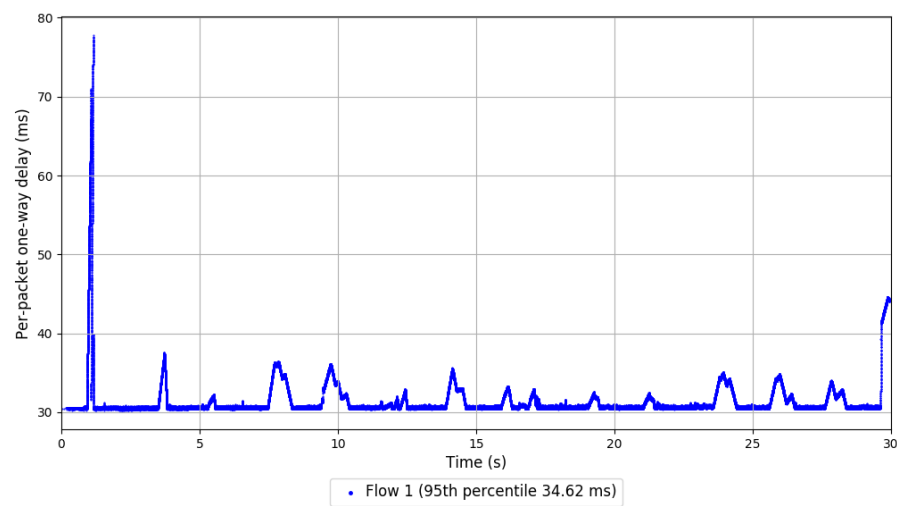
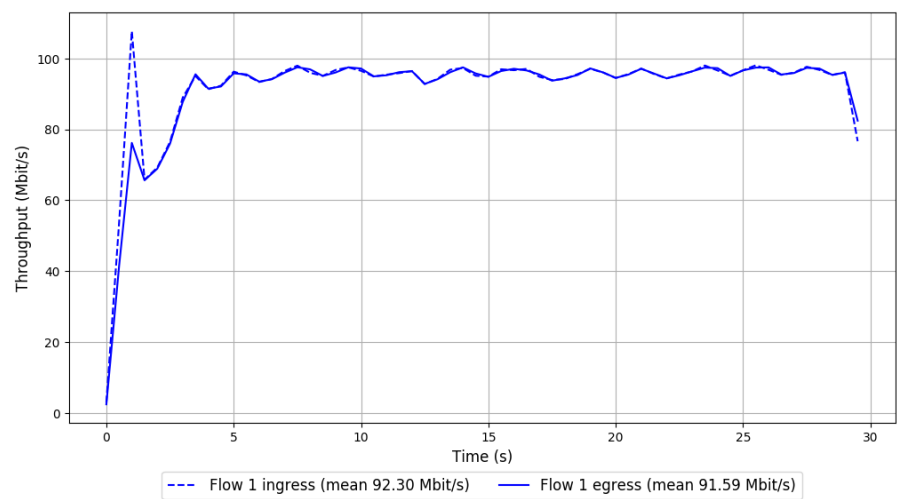


Run 7: Statistics of PCC-Allegro

Start at: 2018-04-17 08:21:07
End at: 2018-04-17 08:21:37
Local clock offset: -0.307 ms
Remote clock offset: -1.223 ms

Below is generated by plot.py at 2018-04-17 10:02:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.59 Mbit/s
95th percentile per-packet one-way delay: 34.622 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 91.59 Mbit/s
95th percentile per-packet one-way delay: 34.622 ms
Loss rate: 0.73%

Run 7: Report of PCC-Allegro — Data Link

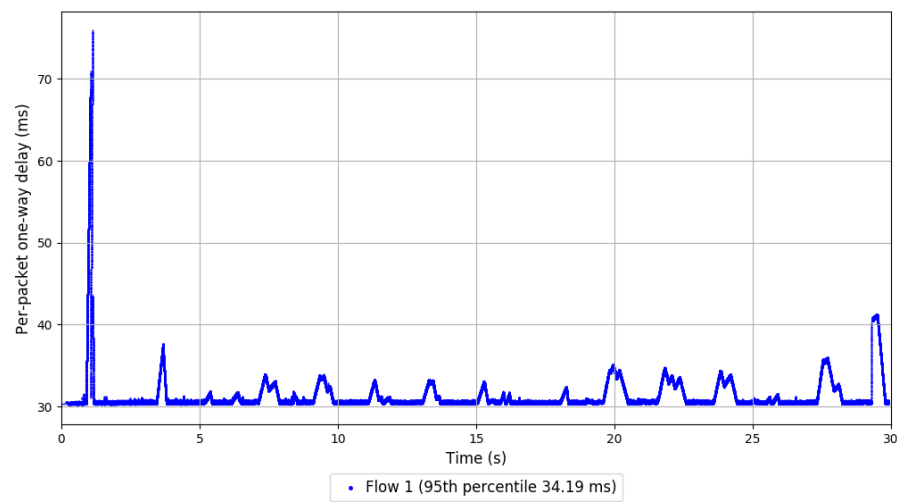
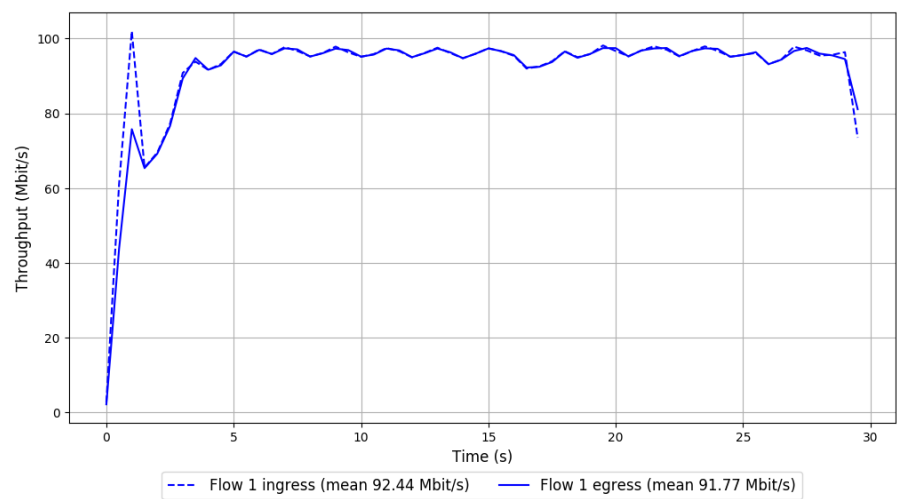


Run 8: Statistics of PCC-Allegro

Start at: 2018-04-17 08:43:51
End at: 2018-04-17 08:44:21
Local clock offset: -0.655 ms
Remote clock offset: -3.082 ms

Below is generated by plot.py at 2018-04-17 10:02:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.77 Mbit/s
95th percentile per-packet one-way delay: 34.193 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 91.77 Mbit/s
95th percentile per-packet one-way delay: 34.193 ms
Loss rate: 0.73%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-04-17 09:06:31

End at: 2018-04-17 09:07:01

Local clock offset: 0.25 ms

Remote clock offset: -1.602 ms

Below is generated by plot.py at 2018-04-17 10:03:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.45 Mbit/s

95th percentile per-packet one-way delay: 36.863 ms

Loss rate: 0.74%

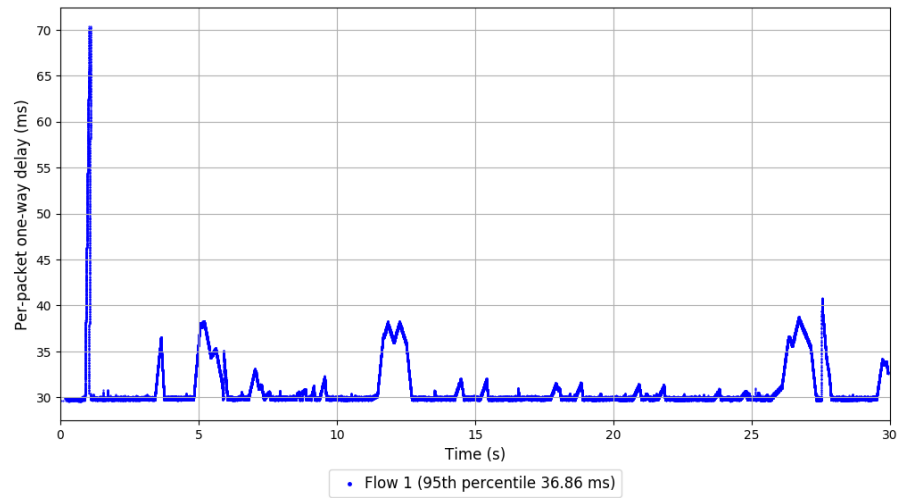
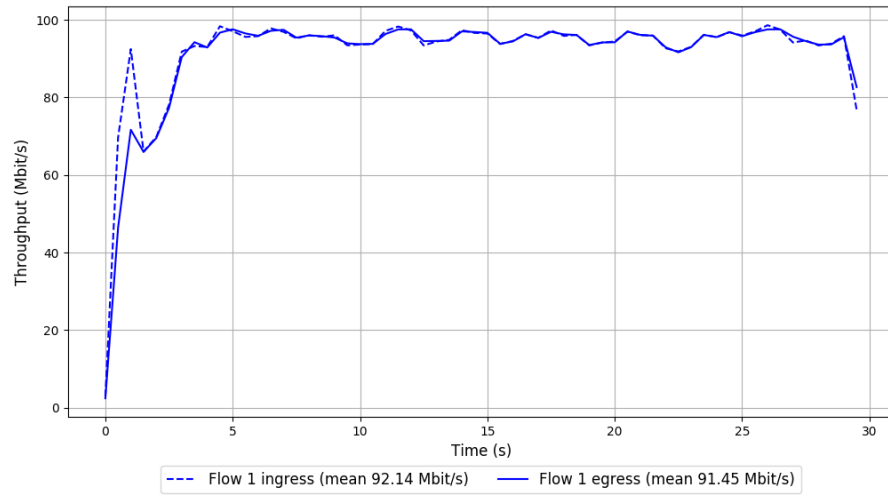
-- Flow 1:

Average throughput: 91.45 Mbit/s

95th percentile per-packet one-way delay: 36.863 ms

Loss rate: 0.74%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-04-17 09:29:18

End at: 2018-04-17 09:29:49

Local clock offset: 1.907 ms

Remote clock offset: -0.553 ms

Below is generated by plot.py at 2018-04-17 10:03:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.63 Mbit/s

95th percentile per-packet one-way delay: 35.078 ms

Loss rate: 0.75%

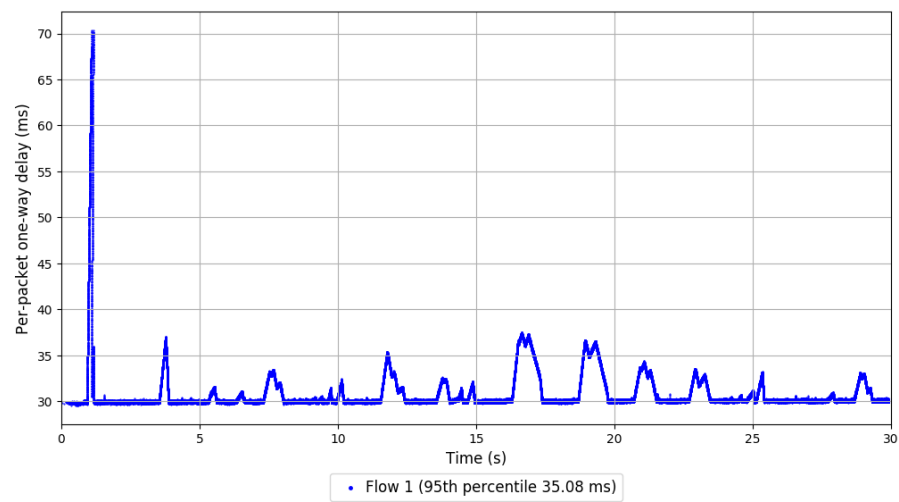
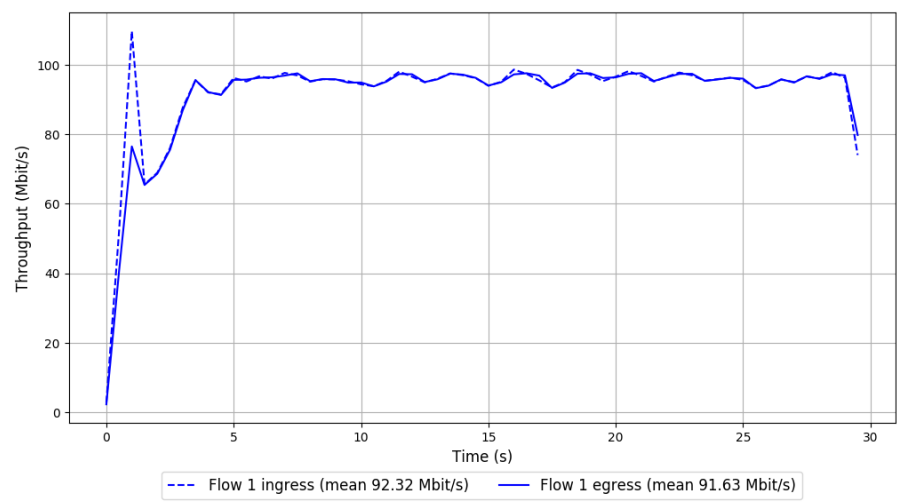
-- Flow 1:

Average throughput: 91.63 Mbit/s

95th percentile per-packet one-way delay: 35.078 ms

Loss rate: 0.75%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of QUIC Cubic

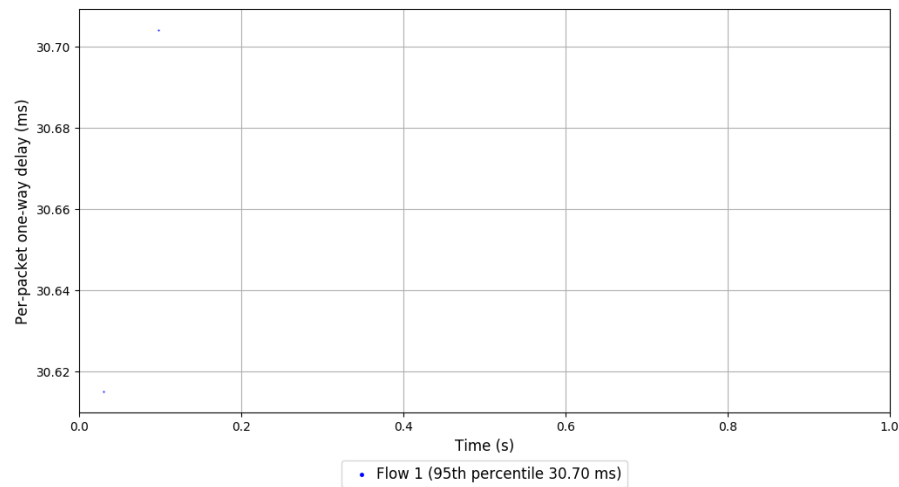
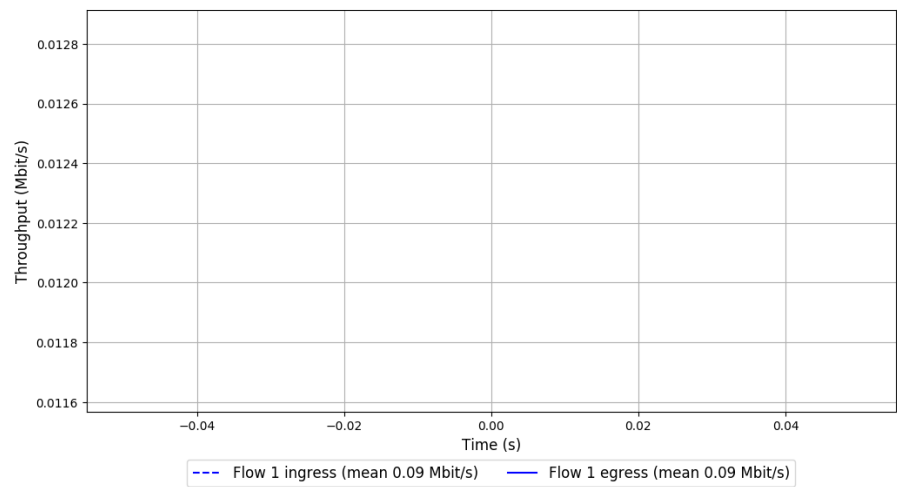
Start at: 2018-04-17 05:58:02

End at: 2018-04-17 05:58:32

Local clock offset: -5.578 ms

Remote clock offset: -1.575 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-04-17 06:21:39

End at: 2018-04-17 06:22:09

Local clock offset: -0.656 ms

Remote clock offset: -2.324 ms

Below is generated by plot.py at 2018-04-17 10:03:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.85 Mbit/s

95th percentile per-packet one-way delay: 56.685 ms

Loss rate: 0.74%

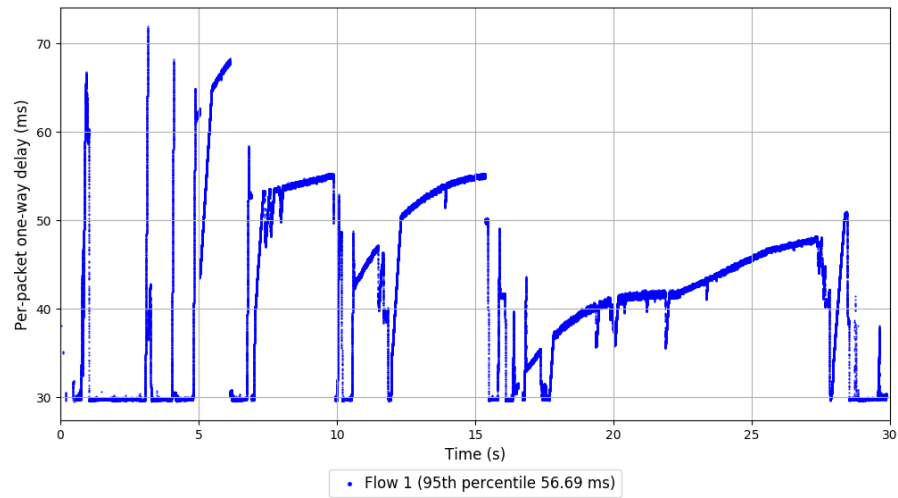
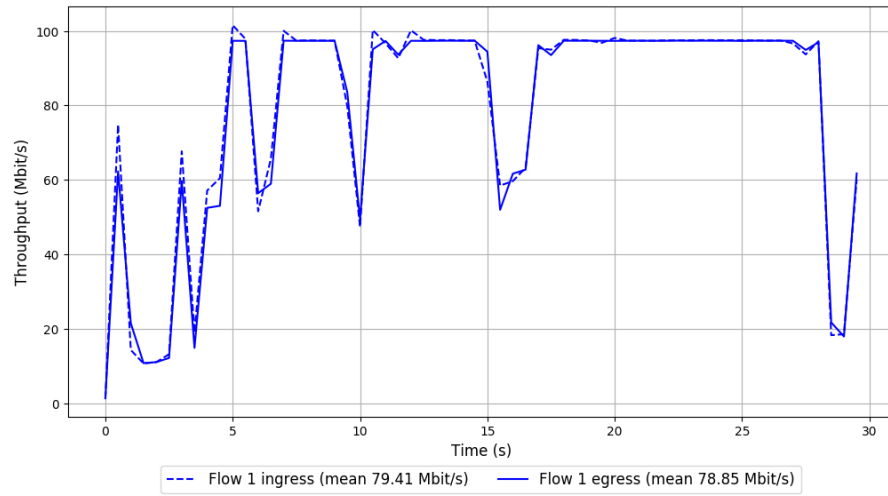
-- Flow 1:

Average throughput: 78.85 Mbit/s

95th percentile per-packet one-way delay: 56.685 ms

Loss rate: 0.74%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-04-17 06:45:00

End at: 2018-04-17 06:45:30

Local clock offset: -0.125 ms

Remote clock offset: -1.964 ms

Below is generated by plot.py at 2018-04-17 10:03:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.78 Mbit/s

95th percentile per-packet one-way delay: 66.882 ms

Loss rate: 0.33%

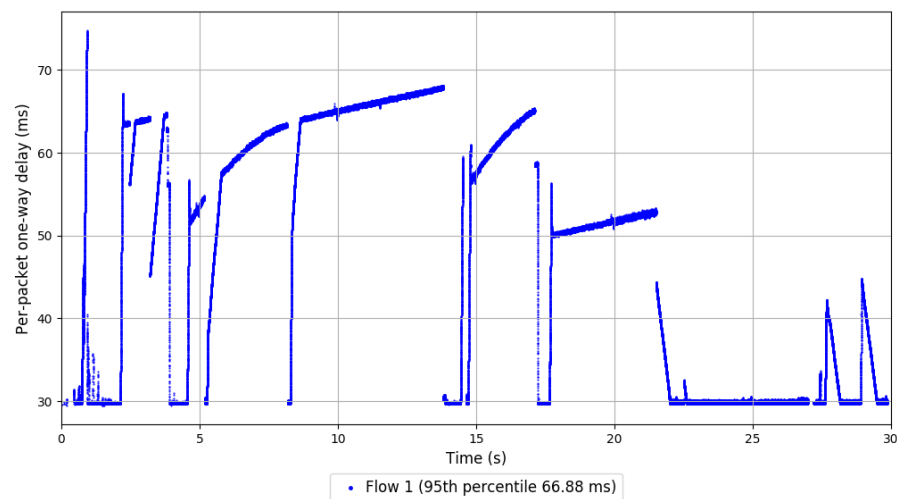
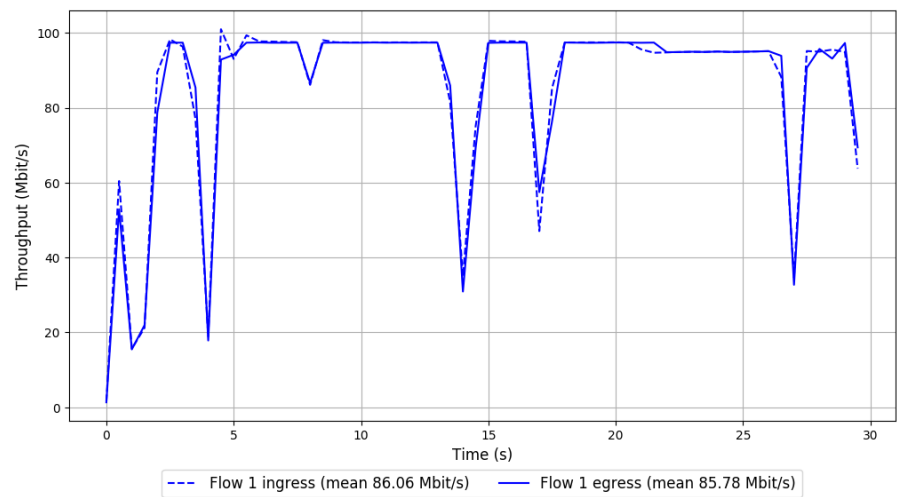
-- Flow 1:

Average throughput: 85.78 Mbit/s

95th percentile per-packet one-way delay: 66.882 ms

Loss rate: 0.33%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-04-17 07:07:57

End at: 2018-04-17 07:08:27

Local clock offset: 0.057 ms

Remote clock offset: -1.031 ms

Below is generated by plot.py at 2018-04-17 10:03:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.70 Mbit/s

95th percentile per-packet one-way delay: 30.074 ms

Loss rate: 0.17%

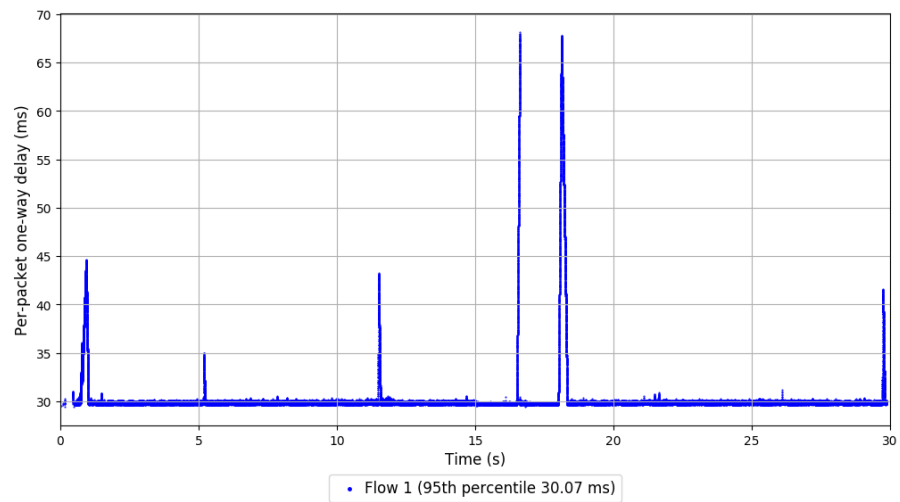
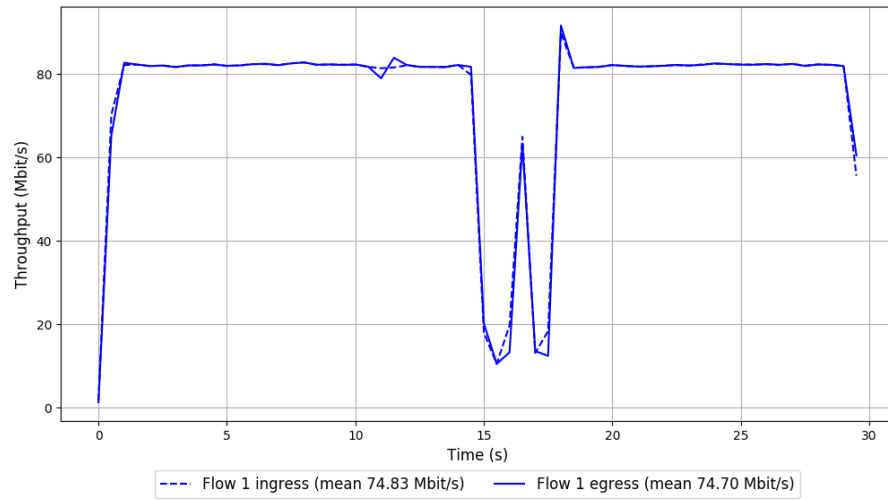
-- Flow 1:

Average throughput: 74.70 Mbit/s

95th percentile per-packet one-way delay: 30.074 ms

Loss rate: 0.17%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-04-17 07:30:49

End at: 2018-04-17 07:31:19

Local clock offset: 0.507 ms

Remote clock offset: -2.026 ms

Below is generated by plot.py at 2018-04-17 10:03:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.22 Mbit/s

95th percentile per-packet one-way delay: 62.139 ms

Loss rate: 0.69%

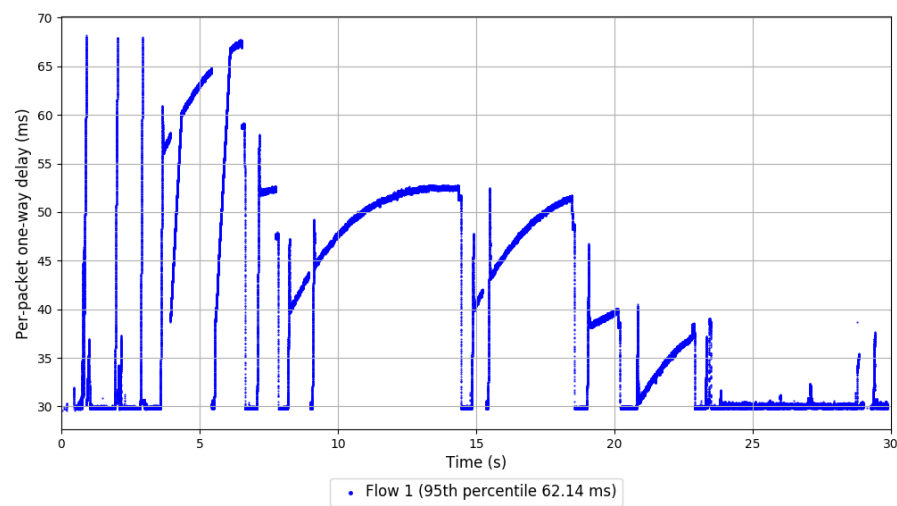
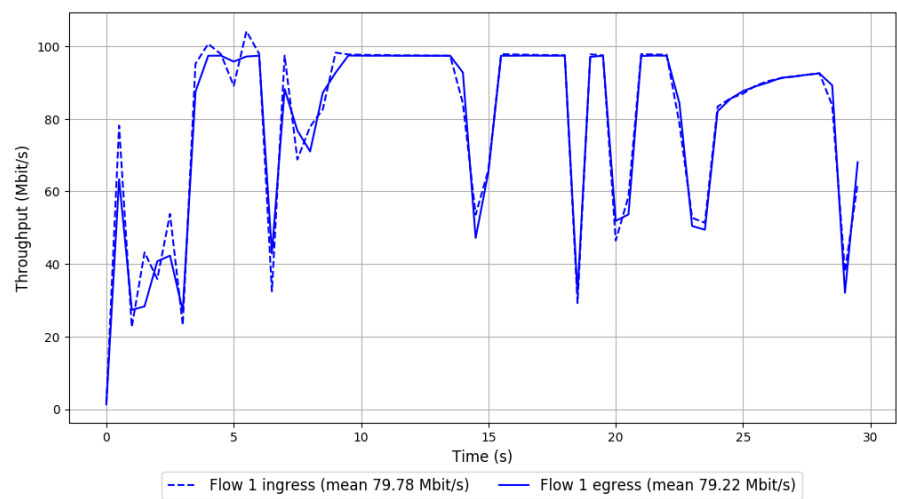
-- Flow 1:

Average throughput: 79.22 Mbit/s

95th percentile per-packet one-way delay: 62.139 ms

Loss rate: 0.69%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-04-17 07:53:43

End at: 2018-04-17 07:54:14

Local clock offset: 0.251 ms

Remote clock offset: -1.866 ms

Below is generated by plot.py at 2018-04-17 10:03:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.61 Mbit/s

95th percentile per-packet one-way delay: 30.403 ms

Loss rate: 0.20%

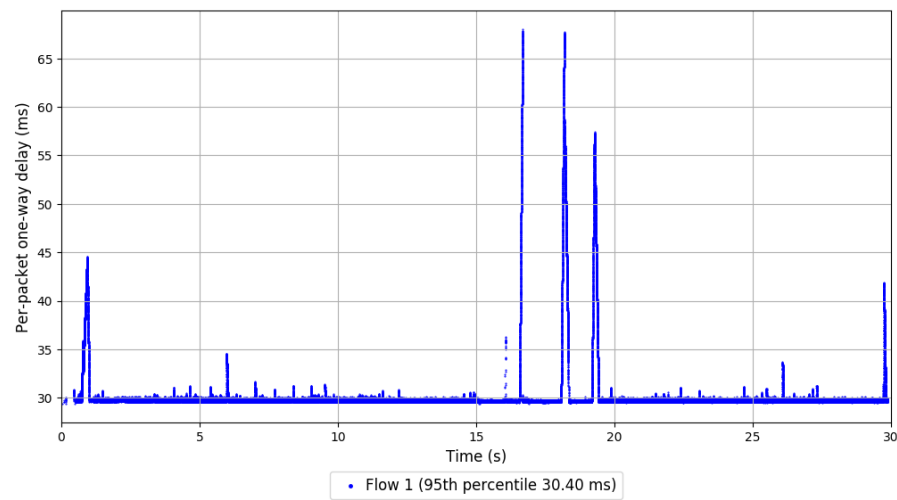
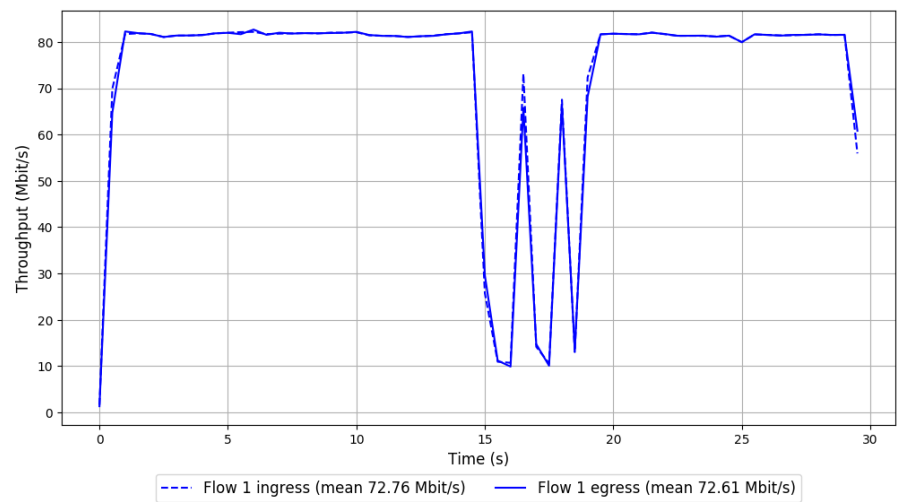
-- Flow 1:

Average throughput: 72.61 Mbit/s

95th percentile per-packet one-way delay: 30.403 ms

Loss rate: 0.20%

Run 6: Report of QUIC Cubic — Data Link

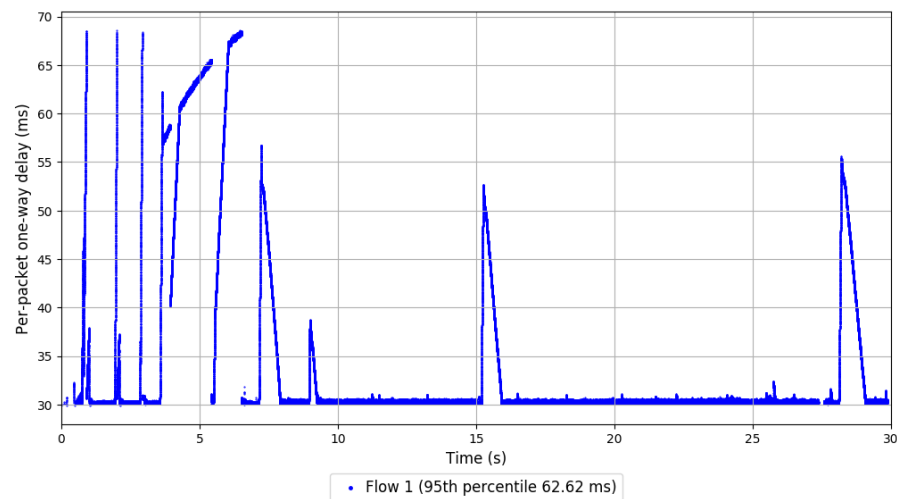
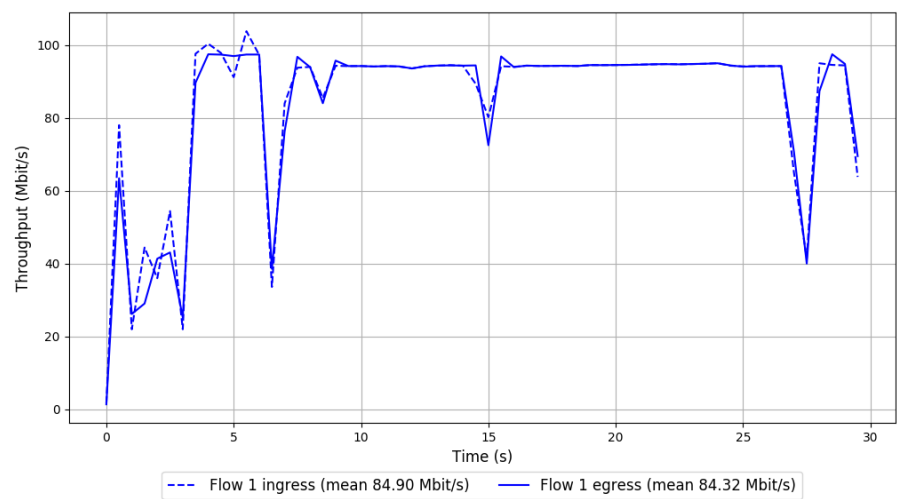


Run 7: Statistics of QUIC Cubic

Start at: 2018-04-17 08:16:59
End at: 2018-04-17 08:17:29
Local clock offset: -0.098 ms
Remote clock offset: -0.799 ms

Below is generated by plot.py at 2018-04-17 10:03:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.32 Mbit/s
95th percentile per-packet one-way delay: 62.618 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 84.32 Mbit/s
95th percentile per-packet one-way delay: 62.618 ms
Loss rate: 0.69%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-04-17 08:39:52

End at: 2018-04-17 08:40:22

Local clock offset: -0.596 ms

Remote clock offset: -2.985 ms

Below is generated by plot.py at 2018-04-17 10:04:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.09 Mbit/s

95th percentile per-packet one-way delay: 34.404 ms

Loss rate: 0.05%

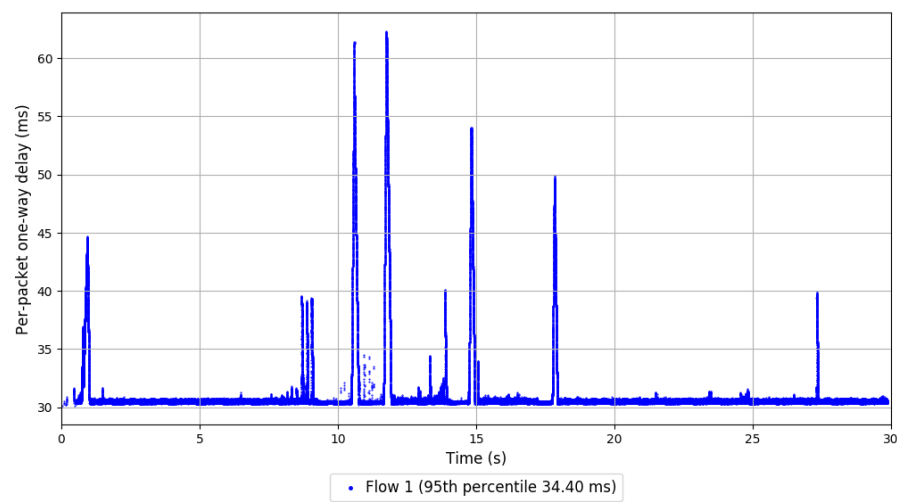
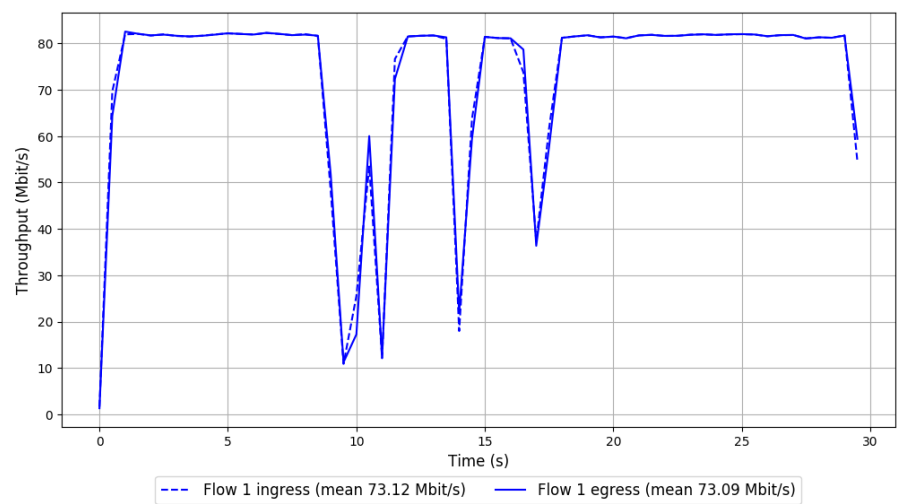
-- Flow 1:

Average throughput: 73.09 Mbit/s

95th percentile per-packet one-way delay: 34.404 ms

Loss rate: 0.05%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-04-17 09:02:30

End at: 2018-04-17 09:03:00

Local clock offset: 0.135 ms

Remote clock offset: -1.986 ms

Below is generated by plot.py at 2018-04-17 10:04:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.53 Mbit/s

95th percentile per-packet one-way delay: 49.872 ms

Loss rate: 0.60%

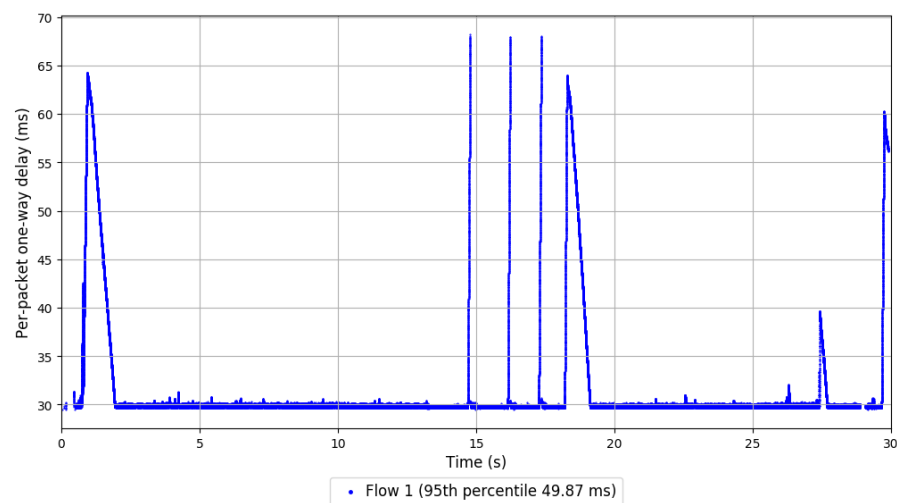
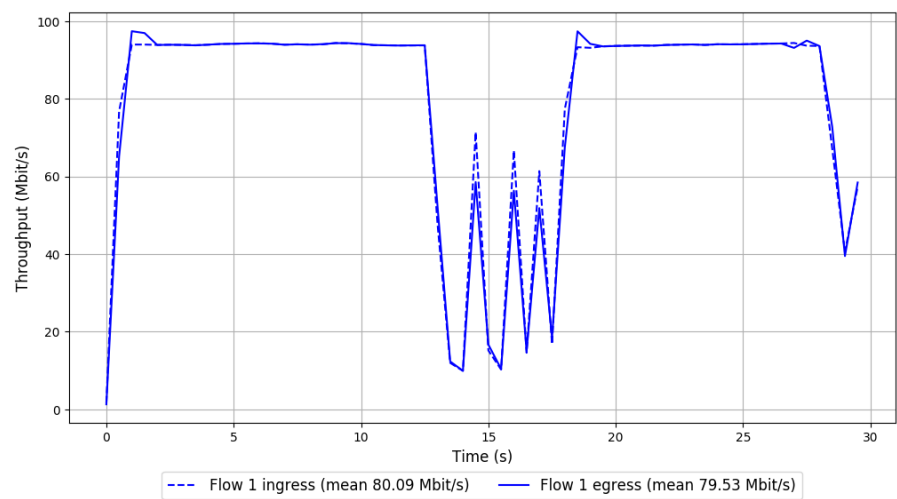
-- Flow 1:

Average throughput: 79.53 Mbit/s

95th percentile per-packet one-way delay: 49.872 ms

Loss rate: 0.60%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-04-17 09:25:19

End at: 2018-04-17 09:25:49

Local clock offset: 1.004 ms

Remote clock offset: -0.218 ms

Below is generated by plot.py at 2018-04-17 10:04:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.70 Mbit/s

95th percentile per-packet one-way delay: 63.657 ms

Loss rate: 0.67%

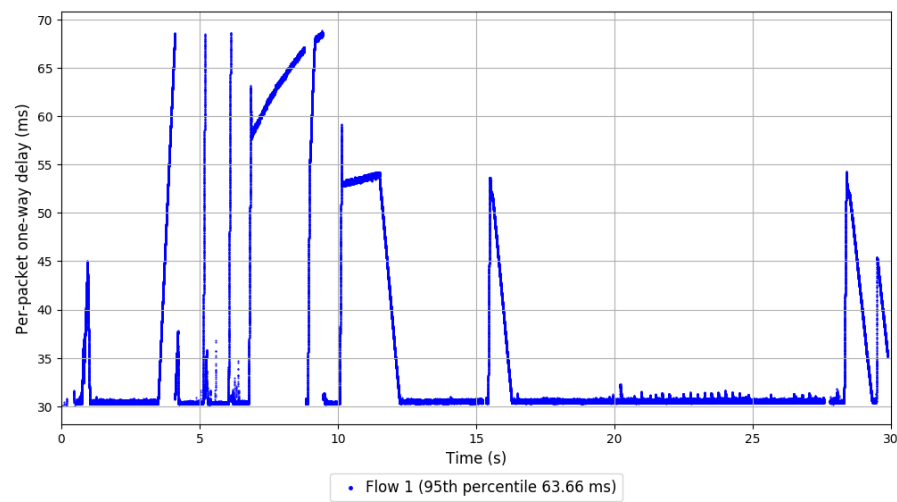
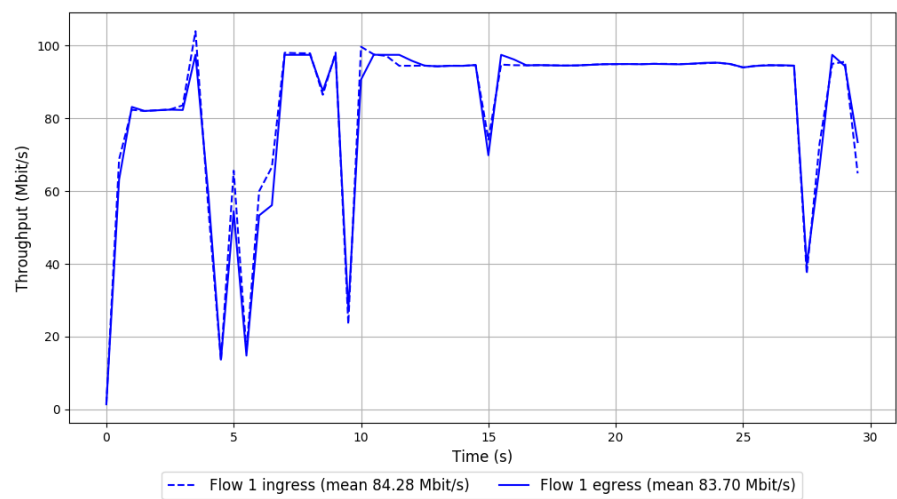
-- Flow 1:

Average throughput: 83.70 Mbit/s

95th percentile per-packet one-way delay: 63.657 ms

Loss rate: 0.67%

Run 10: Report of QUIC Cubic — Data Link

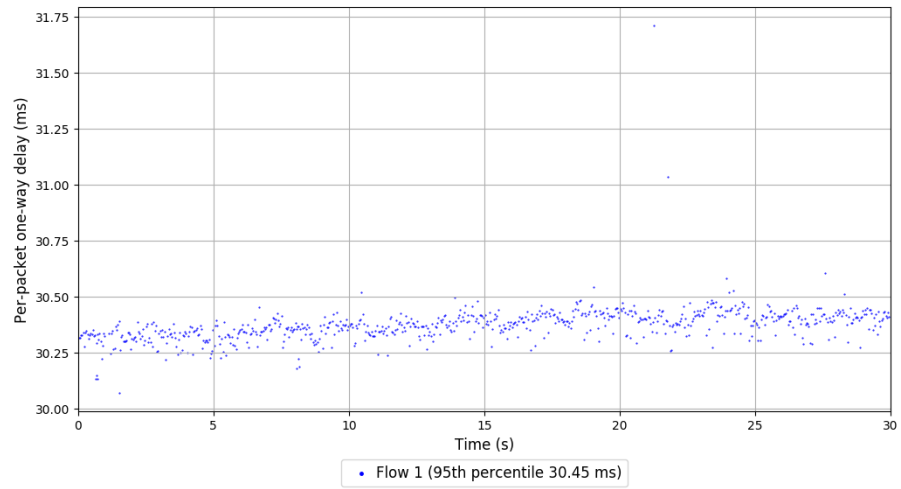
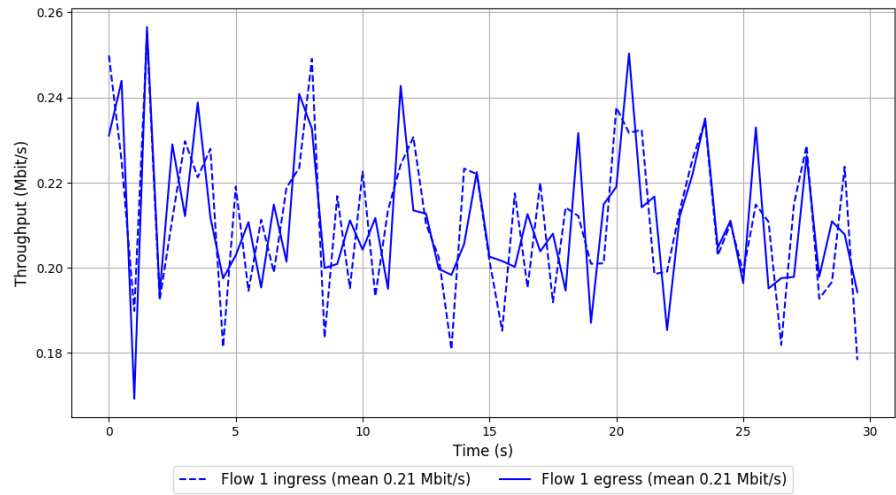


Run 1: Statistics of SCReAM

Start at: 2018-04-17 06:08:08
End at: 2018-04-17 06:08:38
Local clock offset: -1.958 ms
Remote clock offset: -1.741 ms

Below is generated by plot.py at 2018-04-17 10:04:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.454 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.454 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

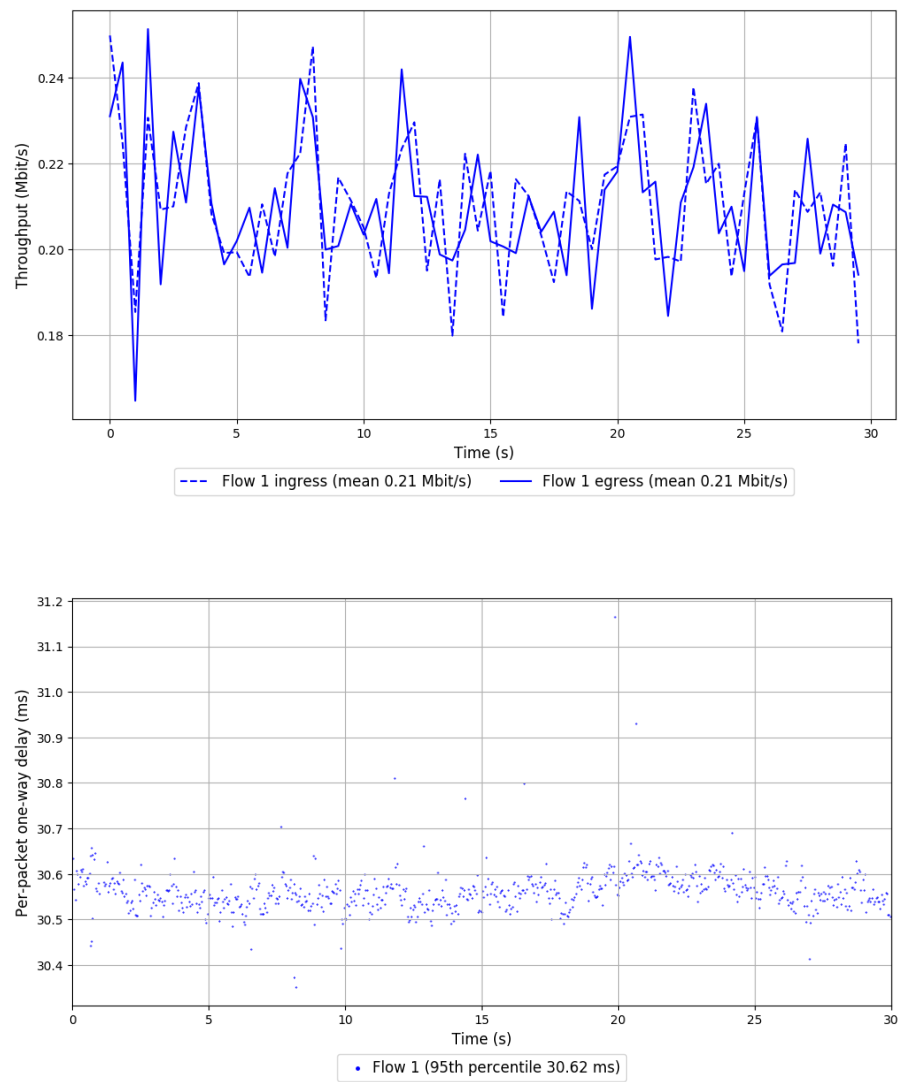


Run 2: Statistics of SCReAM

Start at: 2018-04-17 06:31:30
End at: 2018-04-17 06:32:00
Local clock offset: -0.712 ms
Remote clock offset: -2.441 ms

Below is generated by plot.py at 2018-04-17 10:04:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.620 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.620 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

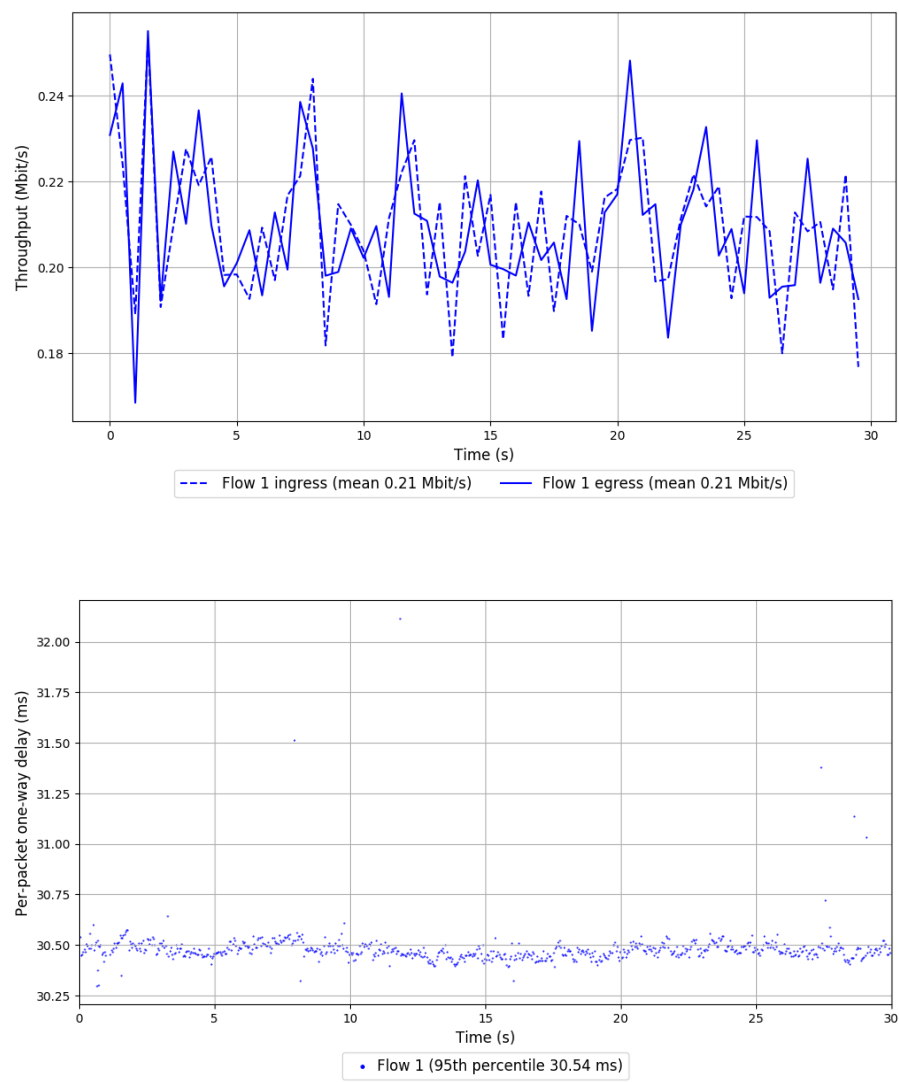


Run 3: Statistics of SCReAM

Start at: 2018-04-17 06:54:33
End at: 2018-04-17 06:55:03
Local clock offset: 0.013 ms
Remote clock offset: -1.418 ms

Below is generated by plot.py at 2018-04-17 10:04:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.539 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.539 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

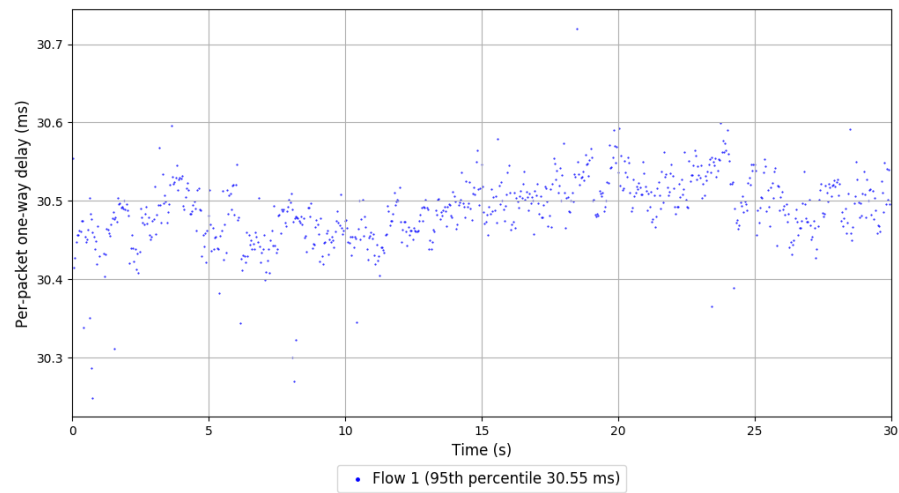
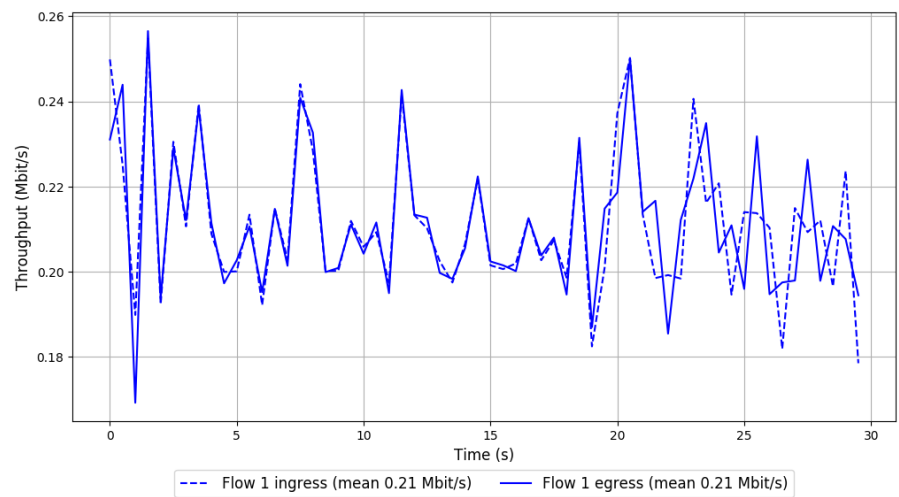


Run 4: Statistics of SReAM

Start at: 2018-04-17 07:17:29
End at: 2018-04-17 07:17:59
Local clock offset: 0.394 ms
Remote clock offset: -1.357 ms

Below is generated by plot.py at 2018-04-17 10:04:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.552 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.552 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

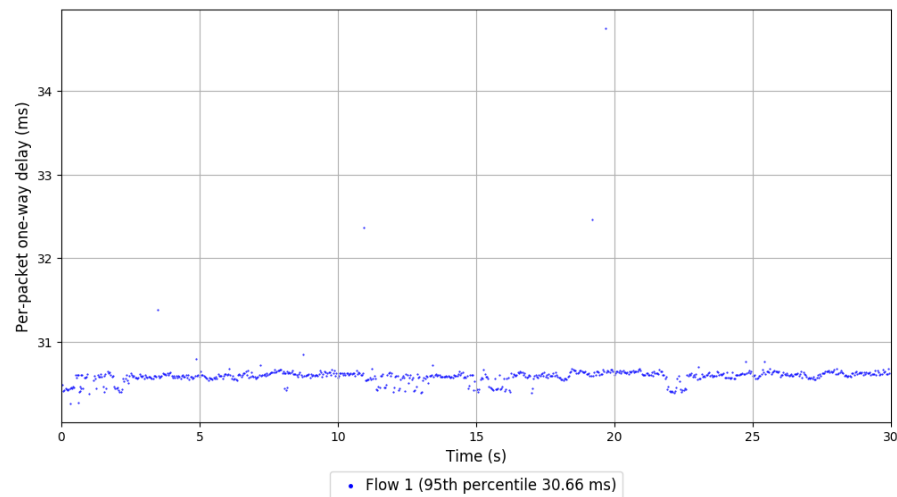
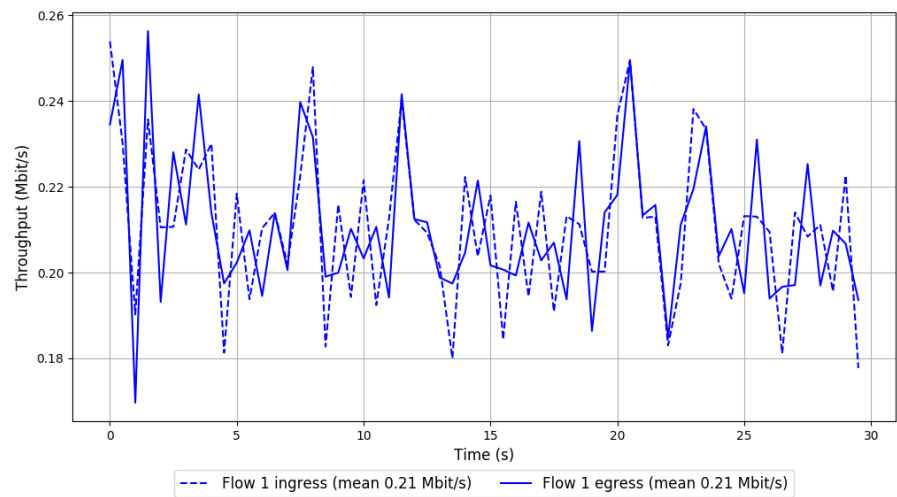


Run 5: Statistics of SCReAM

Start at: 2018-04-17 07:40:14
End at: 2018-04-17 07:40:44
Local clock offset: 0.425 ms
Remote clock offset: -2.262 ms

Below is generated by plot.py at 2018-04-17 10:04:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.657 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.657 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

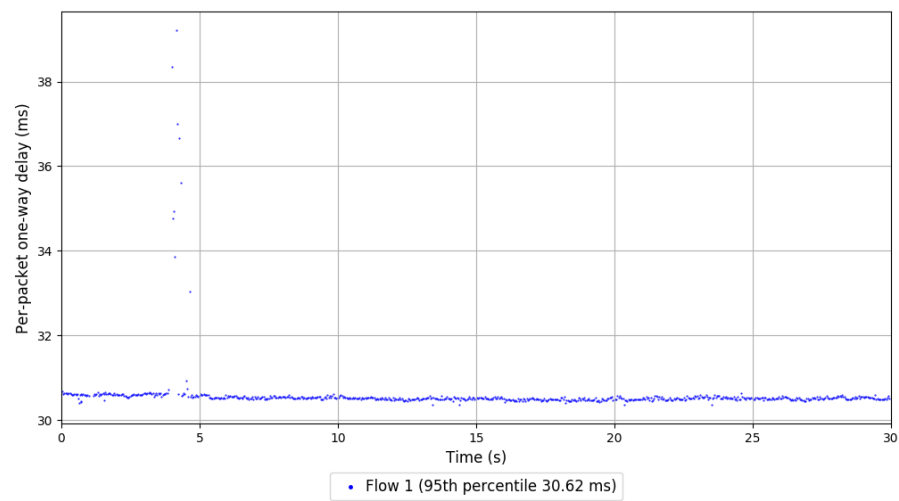
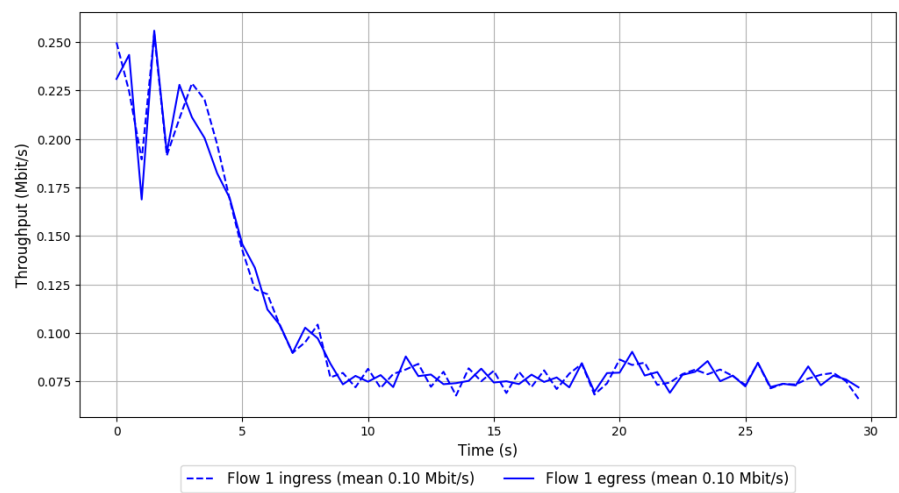


Run 6: Statistics of SCReAM

Start at: 2018-04-17 08:03:31
End at: 2018-04-17 08:04:01
Local clock offset: 0.068 ms
Remote clock offset: -1.308 ms

Below is generated by plot.py at 2018-04-17 10:04:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 30.624 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 30.624 ms
Loss rate: 0.60%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-04-17 08:26:38

End at: 2018-04-17 08:27:09

Local clock offset: -0.371 ms

Remote clock offset: -1.55 ms

Below is generated by plot.py at 2018-04-17 10:04:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.335 ms

Loss rate: 0.00%

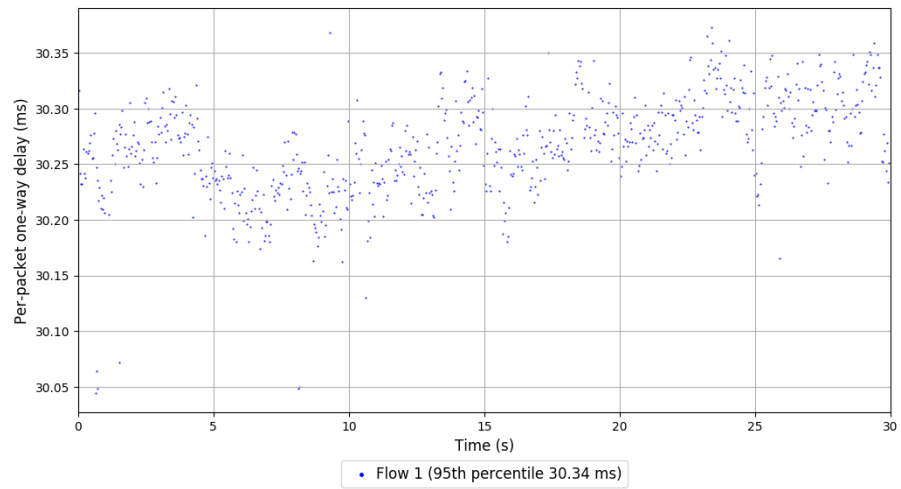
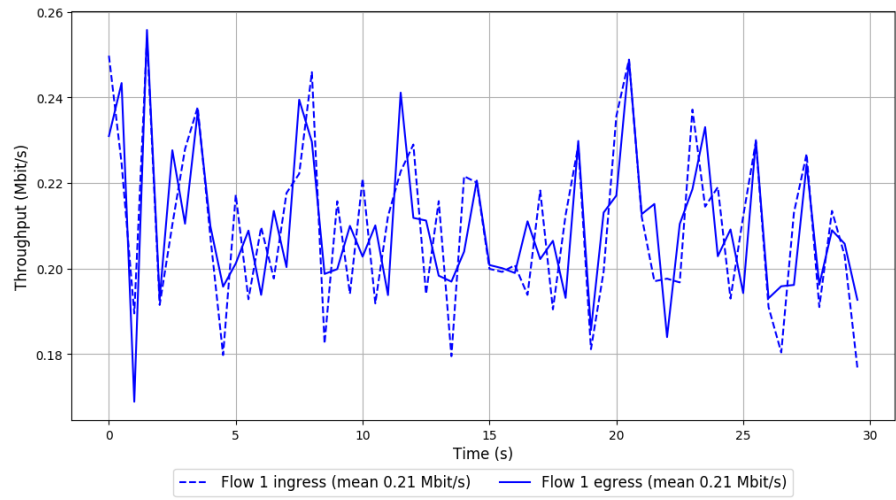
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.335 ms

Loss rate: 0.00%

Run 7: Report of SCRaM — Data Link

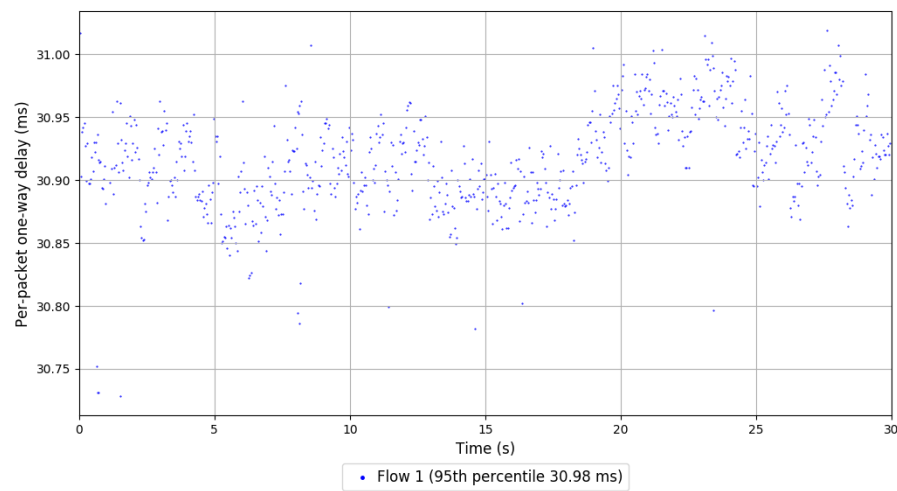
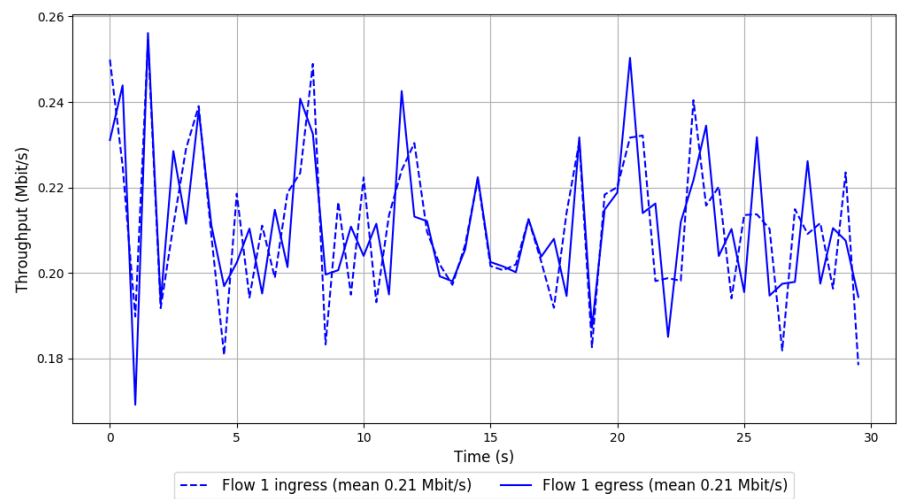


Run 8: Statistics of SCReAM

Start at: 2018-04-17 08:49:15
End at: 2018-04-17 08:49:45
Local clock offset: -0.71 ms
Remote clock offset: -2.668 ms

Below is generated by plot.py at 2018-04-17 10:04:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.980 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.980 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

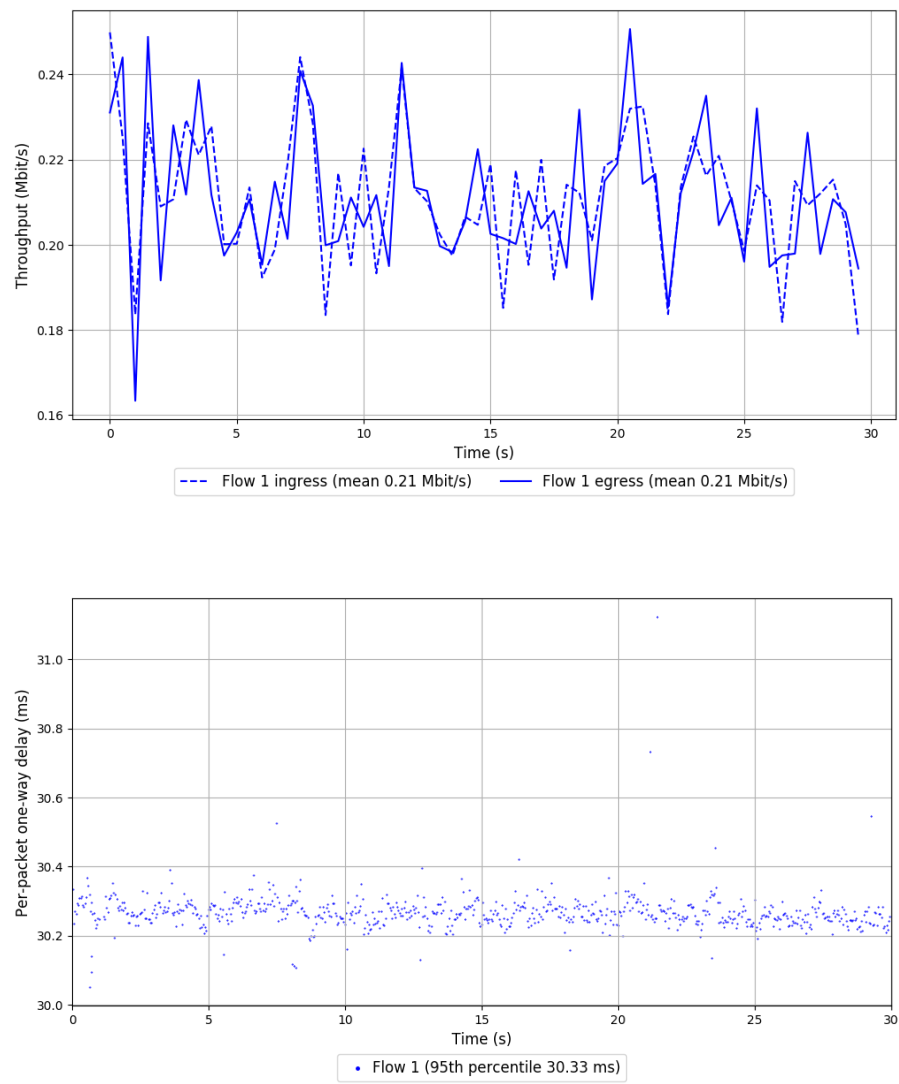


Run 9: Statistics of SCReAM

Start at: 2018-04-17 09:12:05
End at: 2018-04-17 09:12:35
Local clock offset: 0.367 ms
Remote clock offset: -0.688 ms

Below is generated by plot.py at 2018-04-17 10:04:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.326 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.326 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-04-17 09:34:43

End at: 2018-04-17 09:35:13

Local clock offset: 2.765 ms

Remote clock offset: -0.772 ms

Below is generated by plot.py at 2018-04-17 10:04:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.405 ms

Loss rate: 0.00%

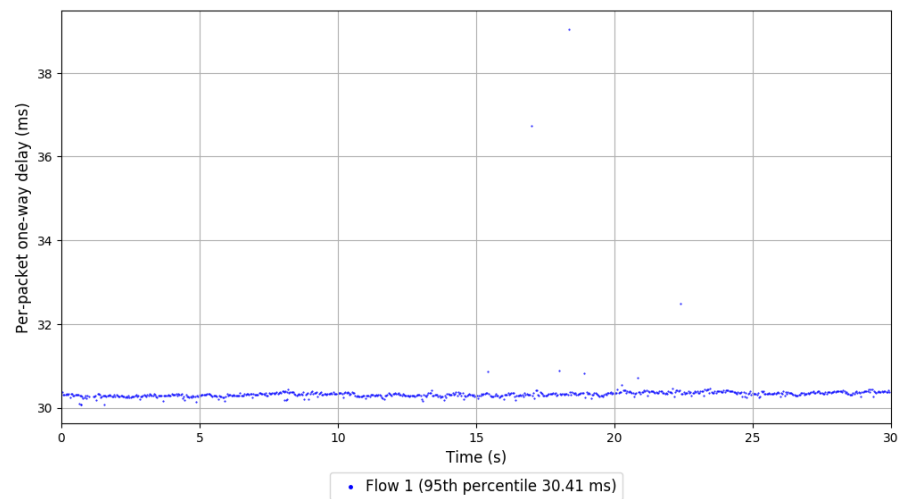
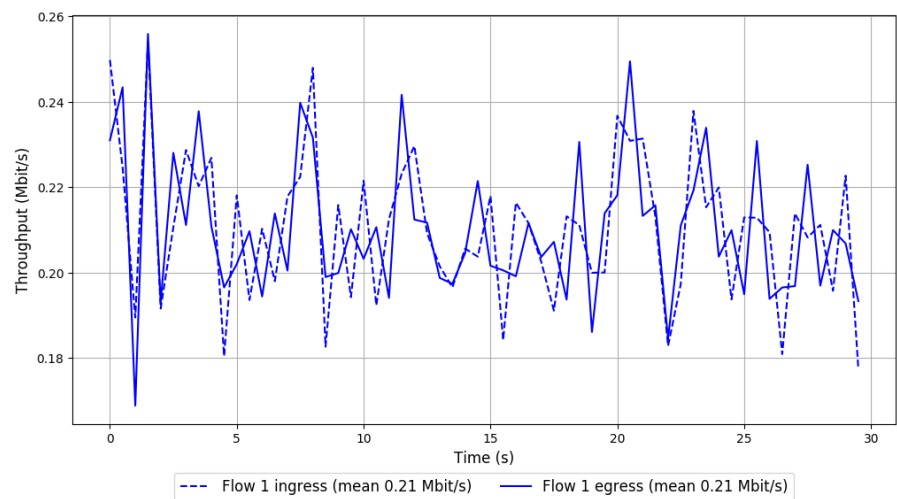
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.405 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

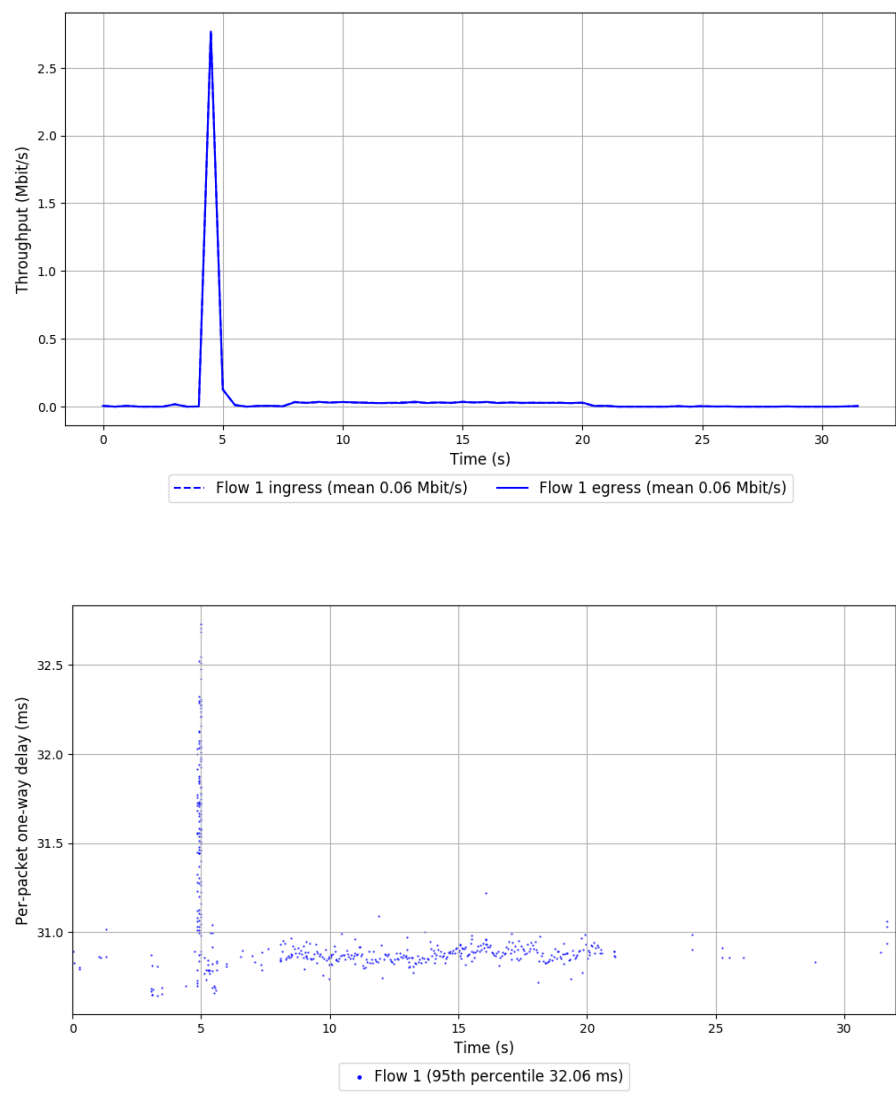


Run 1: Statistics of WebRTC media

Start at: 2018-04-17 06:13:23
End at: 2018-04-17 06:13:53
Local clock offset: -1.137 ms
Remote clock offset: -1.775 ms

Below is generated by plot.py at 2018-04-17 10:04:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 32.056 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 32.056 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-04-17 06:36:53

End at: 2018-04-17 06:37:23

Local clock offset: -0.313 ms

Remote clock offset: -2.5 ms

Below is generated by plot.py at 2018-04-17 10:04:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 31.578 ms

Loss rate: 0.00%

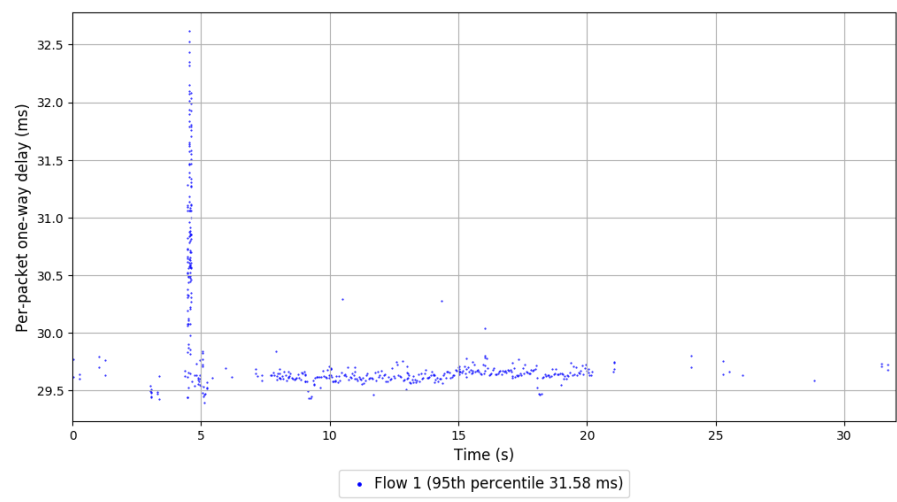
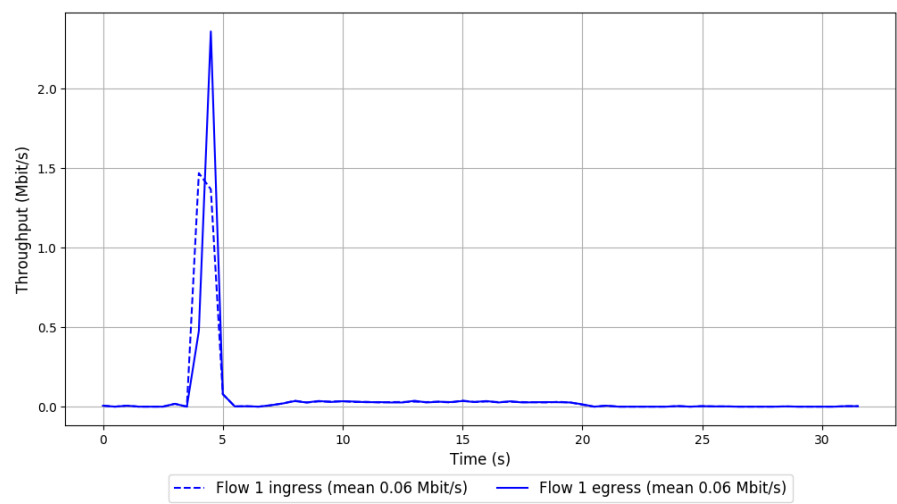
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 31.578 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

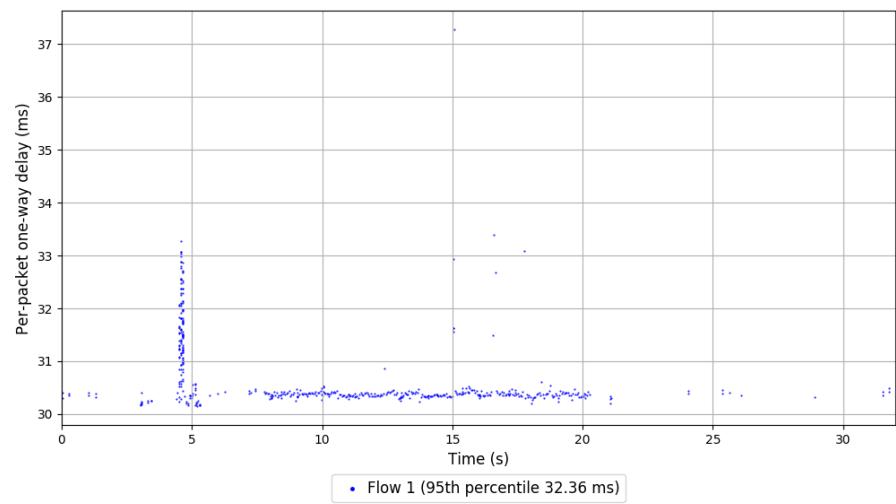
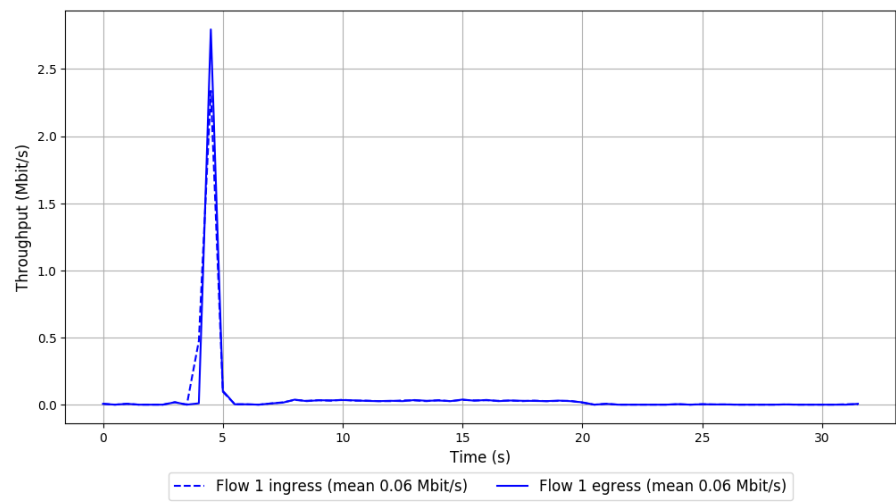


Run 3: Statistics of WebRTC media

Start at: 2018-04-17 06:59:49
End at: 2018-04-17 07:00:19
Local clock offset: -0.04 ms
Remote clock offset: -1.261 ms

Below is generated by plot.py at 2018-04-17 10:04:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 32.362 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 32.362 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-04-17 07:22:44

End at: 2018-04-17 07:23:14

Local clock offset: 0.437 ms

Remote clock offset: -1.64 ms

Below is generated by plot.py at 2018-04-17 10:04:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 32.318 ms

Loss rate: 0.00%

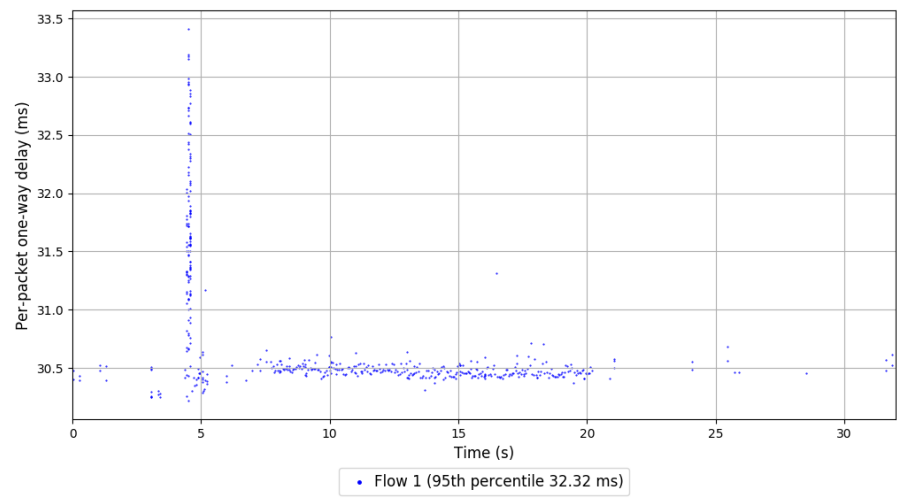
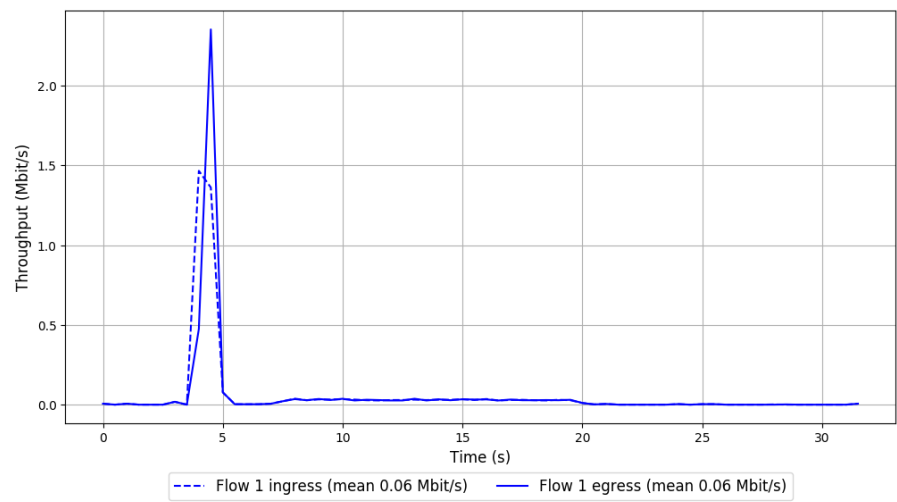
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 32.318 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

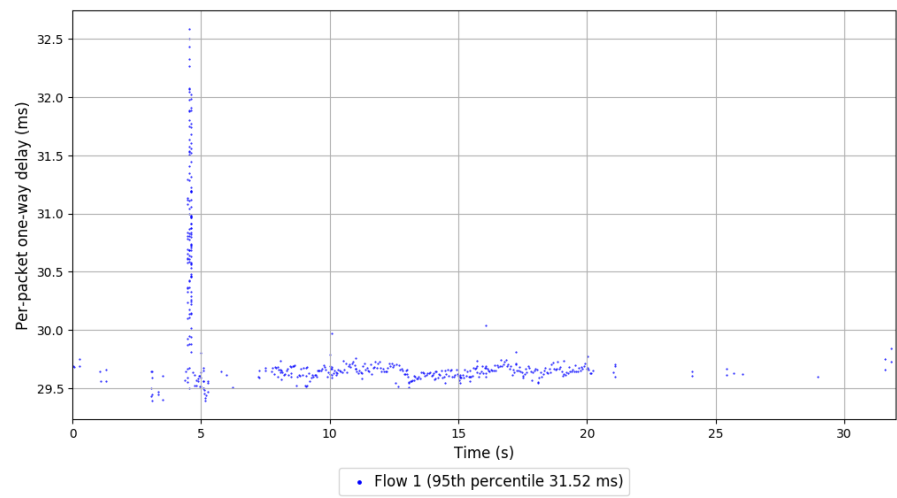
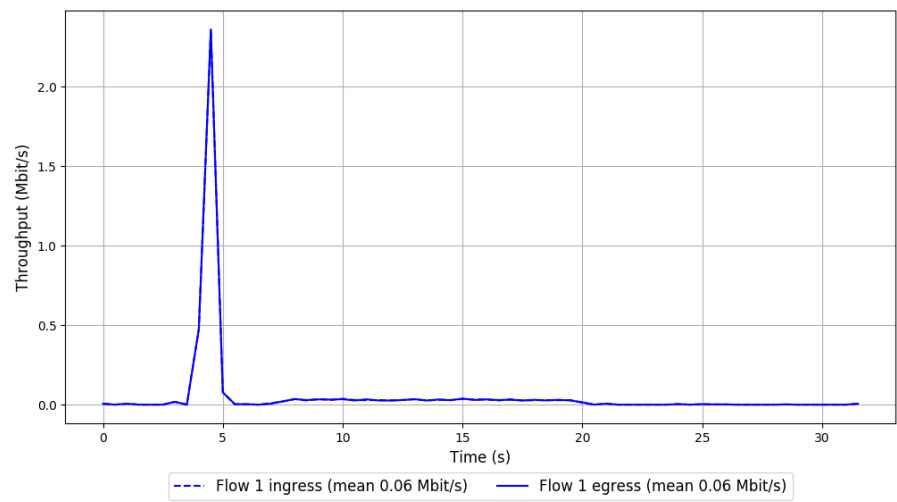


Run 5: Statistics of WebRTC media

Start at: 2018-04-17 07:45:30
End at: 2018-04-17 07:46:00
Local clock offset: 0.385 ms
Remote clock offset: -2.454 ms

Below is generated by plot.py at 2018-04-17 10:04:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 31.525 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 31.525 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

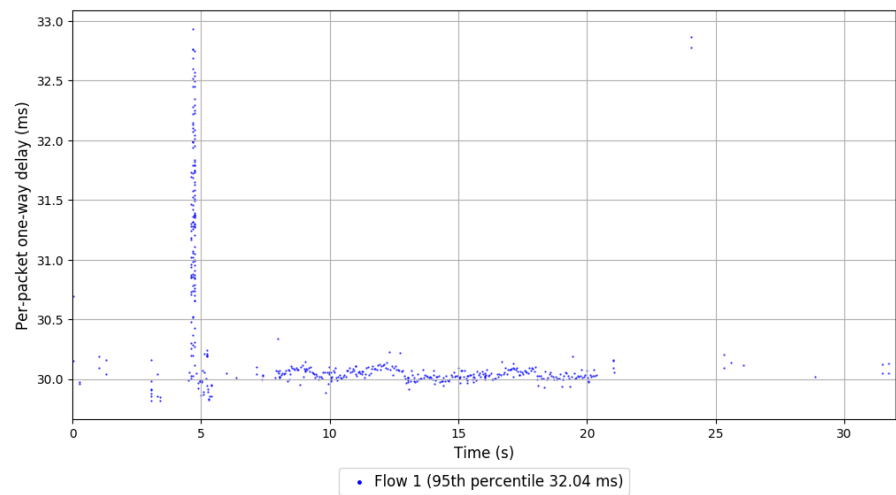
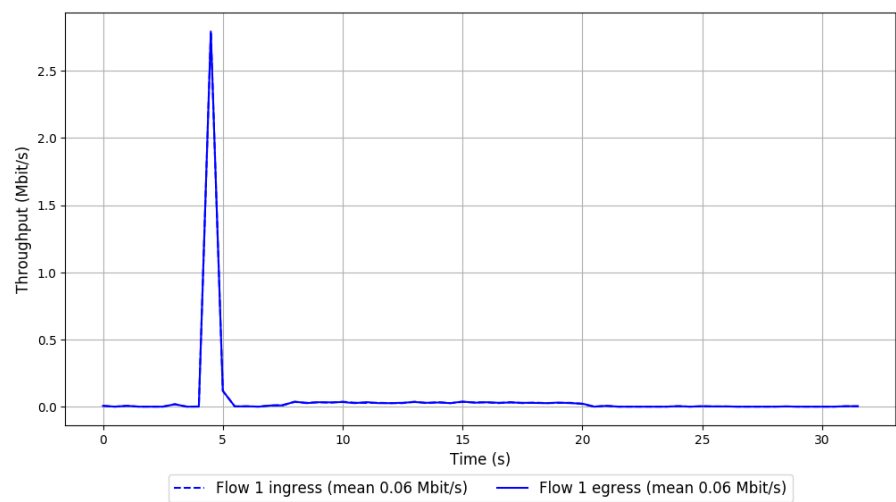


Run 6: Statistics of WebRTC media

Start at: 2018-04-17 08:08:49
End at: 2018-04-17 08:09:19
Local clock offset: 0.134 ms
Remote clock offset: -0.872 ms

Below is generated by plot.py at 2018-04-17 10:04:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 32.040 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 32.040 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-04-17 08:31:51

End at: 2018-04-17 08:32:22

Local clock offset: -0.581 ms

Remote clock offset: -2.58 ms

Below is generated by plot.py at 2018-04-17 10:04:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 31.614 ms

Loss rate: 0.00%

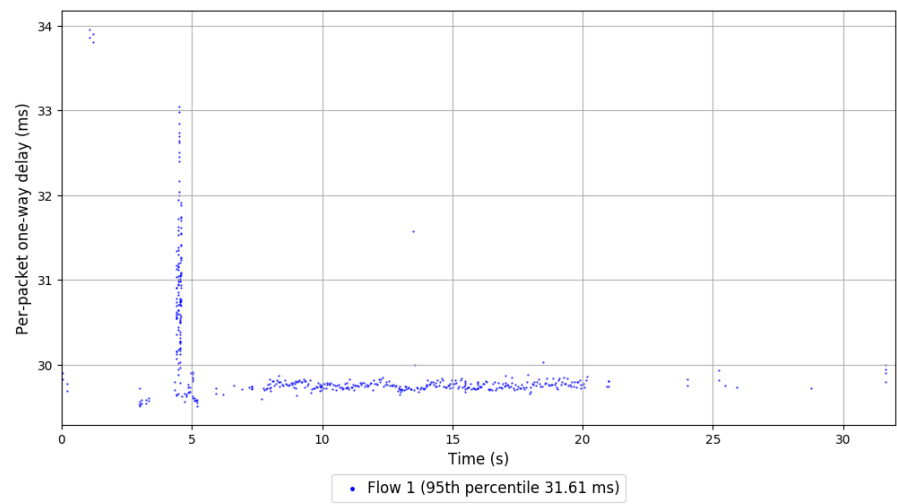
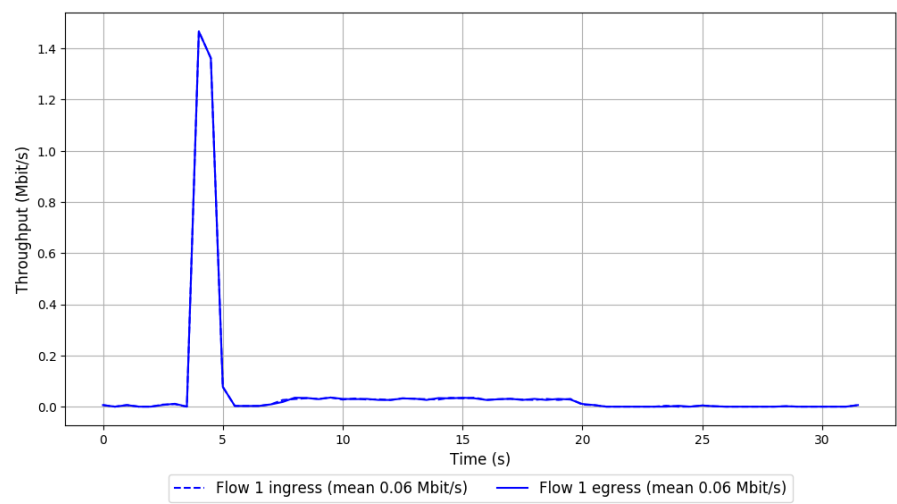
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 31.614 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

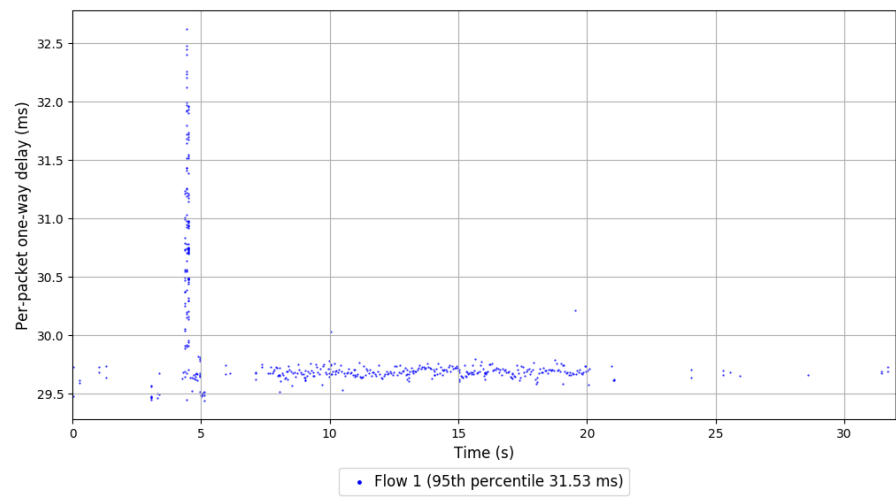
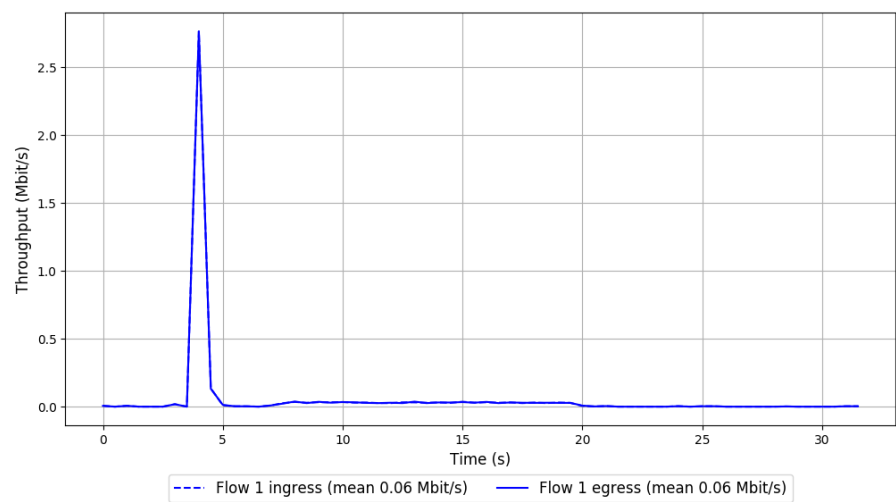


Run 8: Statistics of WebRTC media

Start at: 2018-04-17 08:54:29
End at: 2018-04-17 08:54:59
Local clock offset: -0.241 ms
Remote clock offset: -3.151 ms

Below is generated by plot.py at 2018-04-17 10:04:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 31.527 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 31.527 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

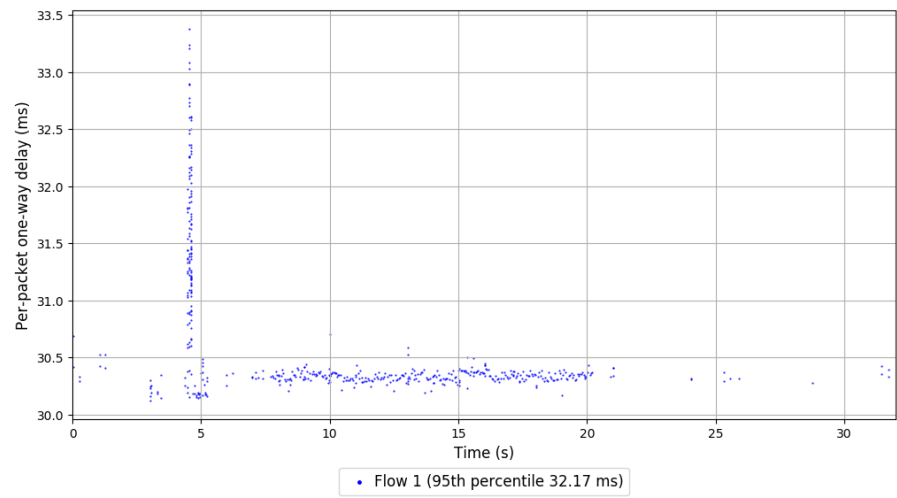
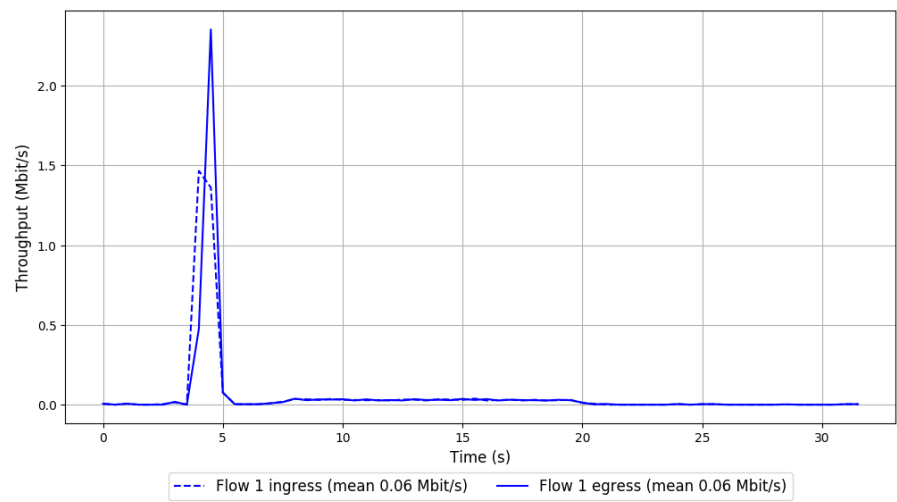


Run 9: Statistics of WebRTC media

Start at: 2018-04-17 09:17:18
End at: 2018-04-17 09:17:48
Local clock offset: 0.513 ms
Remote clock offset: -0.934 ms

Below is generated by plot.py at 2018-04-17 10:04:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 32.169 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 32.169 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-04-17 09:39:58

End at: 2018-04-17 09:40:28

Local clock offset: 3.249 ms

Remote clock offset: -1.209 ms

Below is generated by plot.py at 2018-04-17 10:04:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 32.695 ms

Loss rate: 0.00%

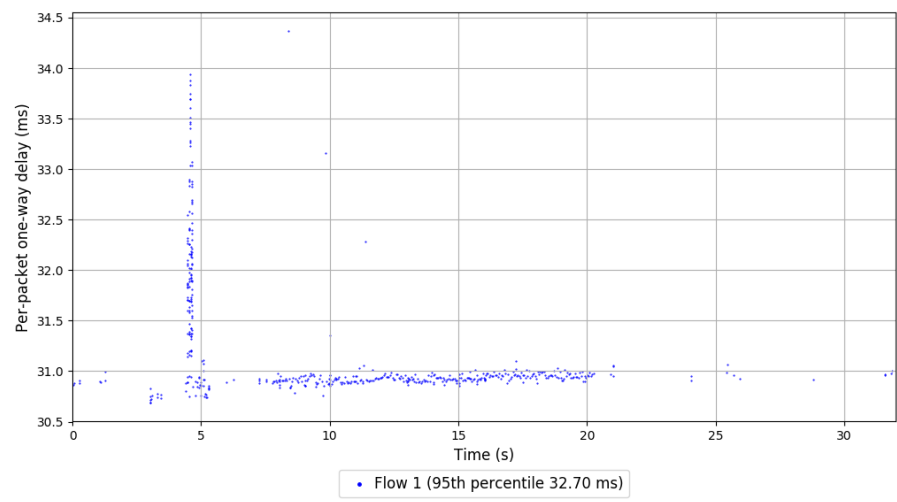
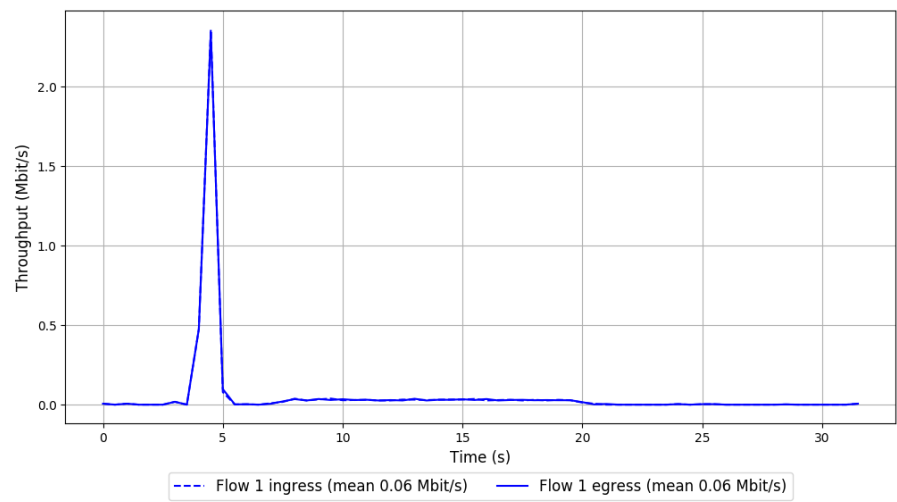
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 32.695 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

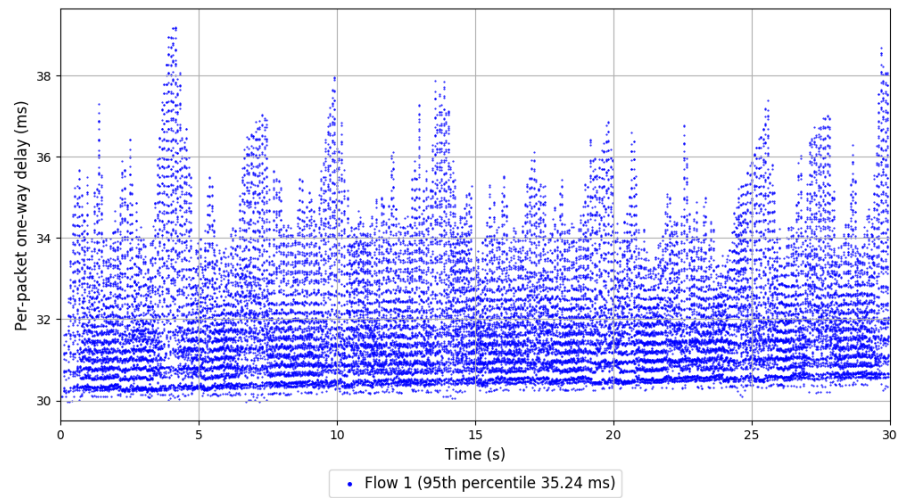
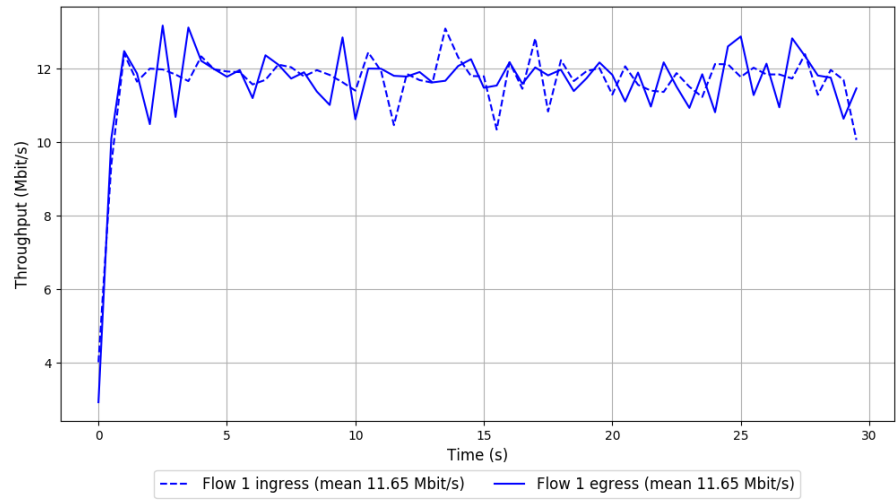


Run 1: Statistics of Sprout

Start at: 2018-04-17 05:59:18
End at: 2018-04-17 05:59:48
Local clock offset: -5.652 ms
Remote clock offset: -2.133 ms

Below is generated by plot.py at 2018-04-17 10:04:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.65 Mbit/s
95th percentile per-packet one-way delay: 35.239 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.65 Mbit/s
95th percentile per-packet one-way delay: 35.239 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

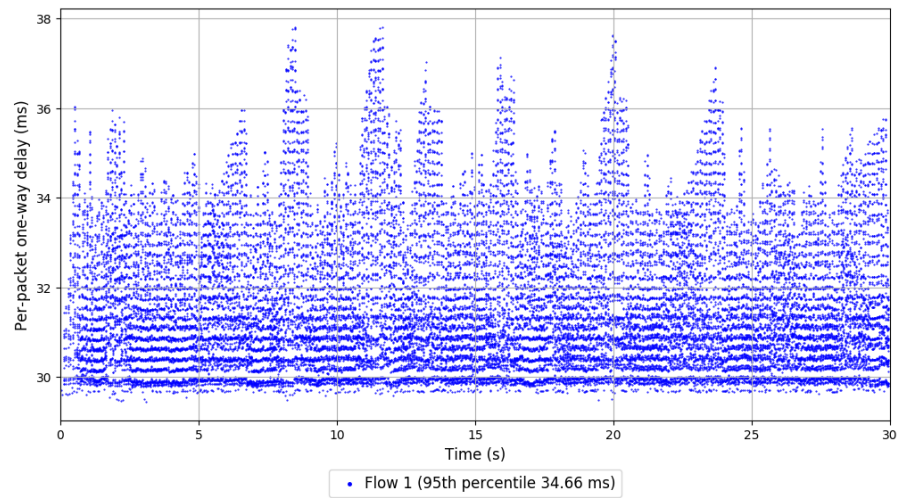
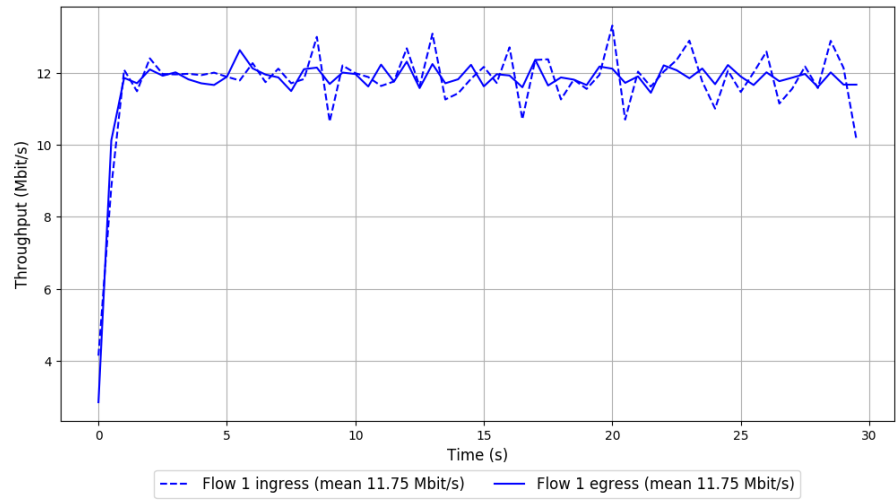


Run 2: Statistics of Sprout

Start at: 2018-04-17 06:23:00
End at: 2018-04-17 06:23:30
Local clock offset: -0.608 ms
Remote clock offset: -2.364 ms

Below is generated by plot.py at 2018-04-17 10:04:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.75 Mbit/s
95th percentile per-packet one-way delay: 34.657 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.75 Mbit/s
95th percentile per-packet one-way delay: 34.657 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

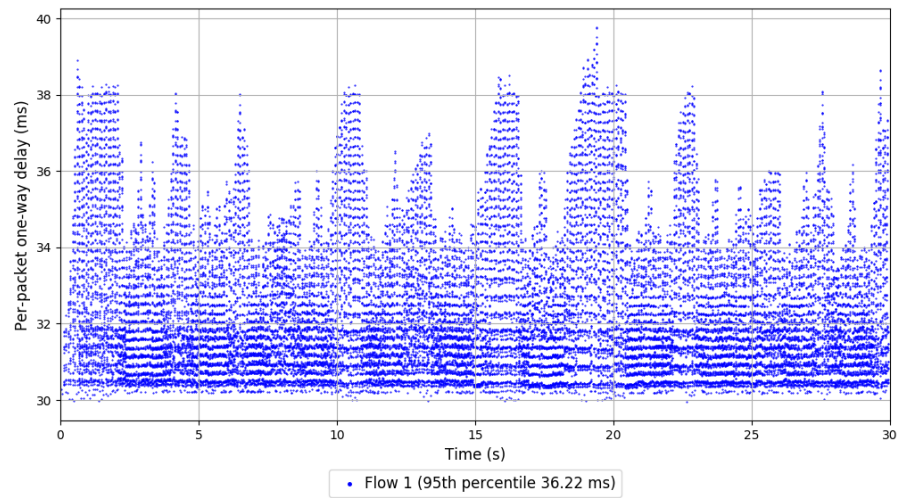
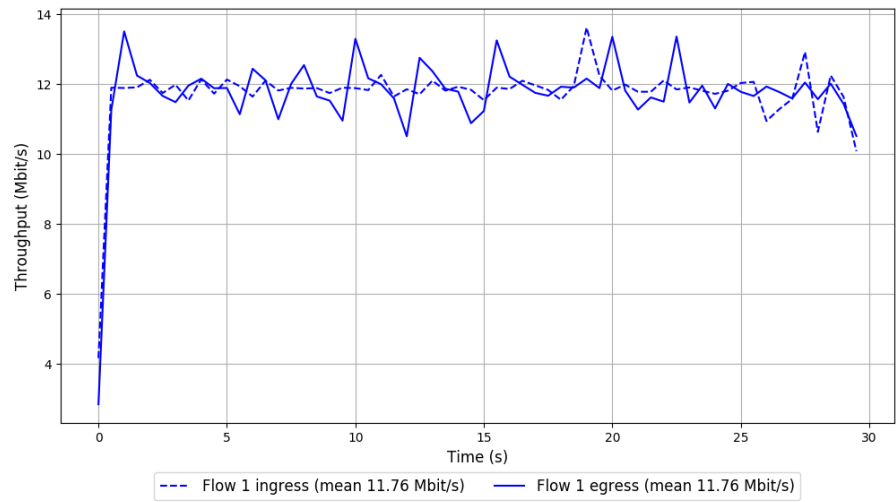


Run 3: Statistics of Sprout

Start at: 2018-04-17 06:46:20
End at: 2018-04-17 06:46:50
Local clock offset: -0.098 ms
Remote clock offset: -1.368 ms

Below is generated by plot.py at 2018-04-17 10:04:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.76 Mbit/s
95th percentile per-packet one-way delay: 36.217 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.76 Mbit/s
95th percentile per-packet one-way delay: 36.217 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

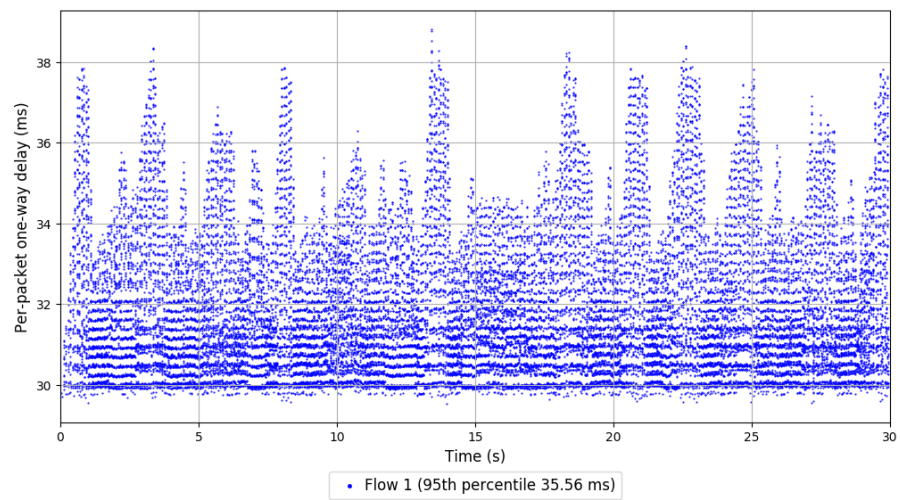
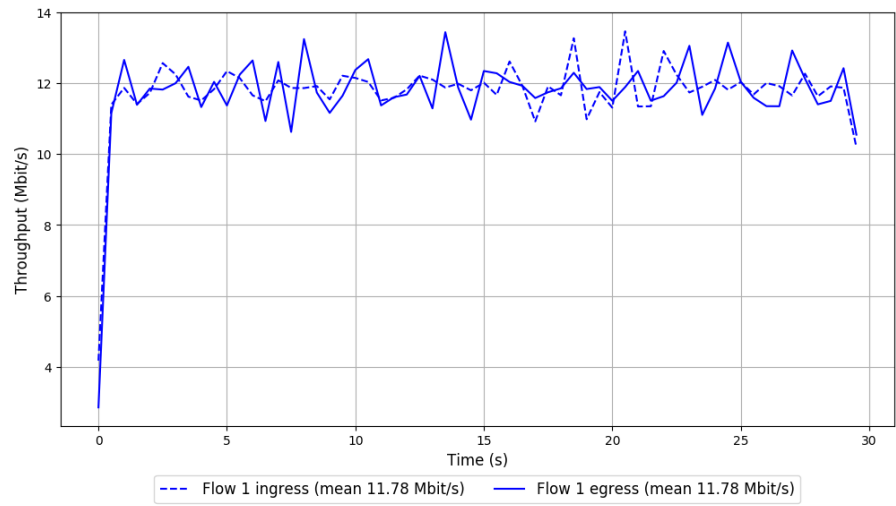


Run 4: Statistics of Sprout

Start at: 2018-04-17 07:09:19
End at: 2018-04-17 07:09:49
Local clock offset: 0.037 ms
Remote clock offset: -0.962 ms

Below is generated by plot.py at 2018-04-17 10:04:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.78 Mbit/s
95th percentile per-packet one-way delay: 35.564 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 11.78 Mbit/s
95th percentile per-packet one-way delay: 35.564 ms
Loss rate: 0.04%

Run 4: Report of Sprout — Data Link

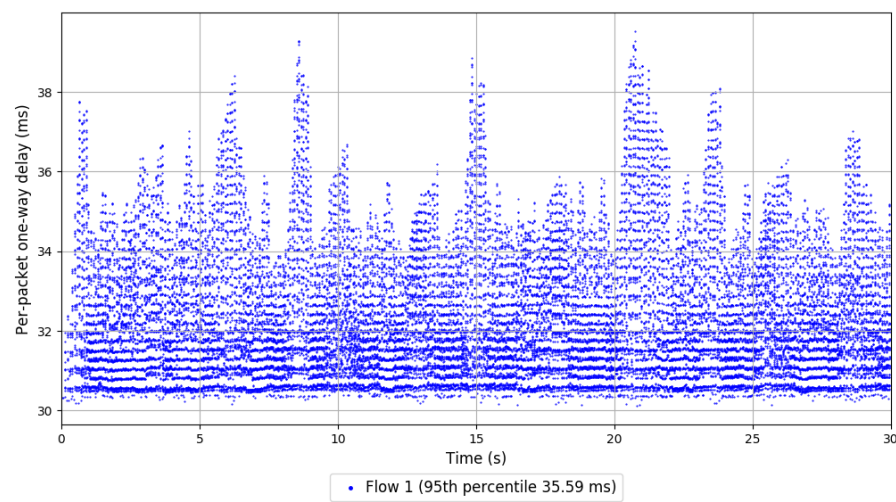
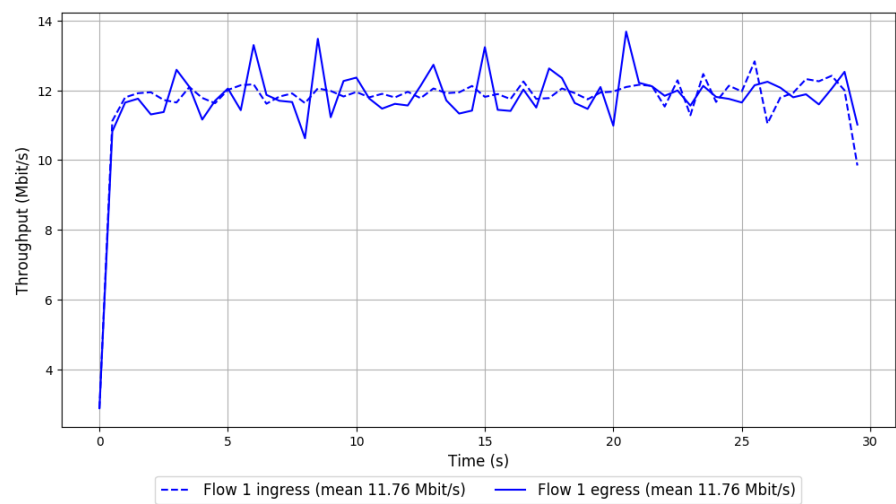


Run 5: Statistics of Sprout

Start at: 2018-04-17 07:32:09
End at: 2018-04-17 07:32:39
Local clock offset: 0.485 ms
Remote clock offset: -2.217 ms

Below is generated by plot.py at 2018-04-17 10:04:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.76 Mbit/s
95th percentile per-packet one-way delay: 35.590 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.76 Mbit/s
95th percentile per-packet one-way delay: 35.590 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

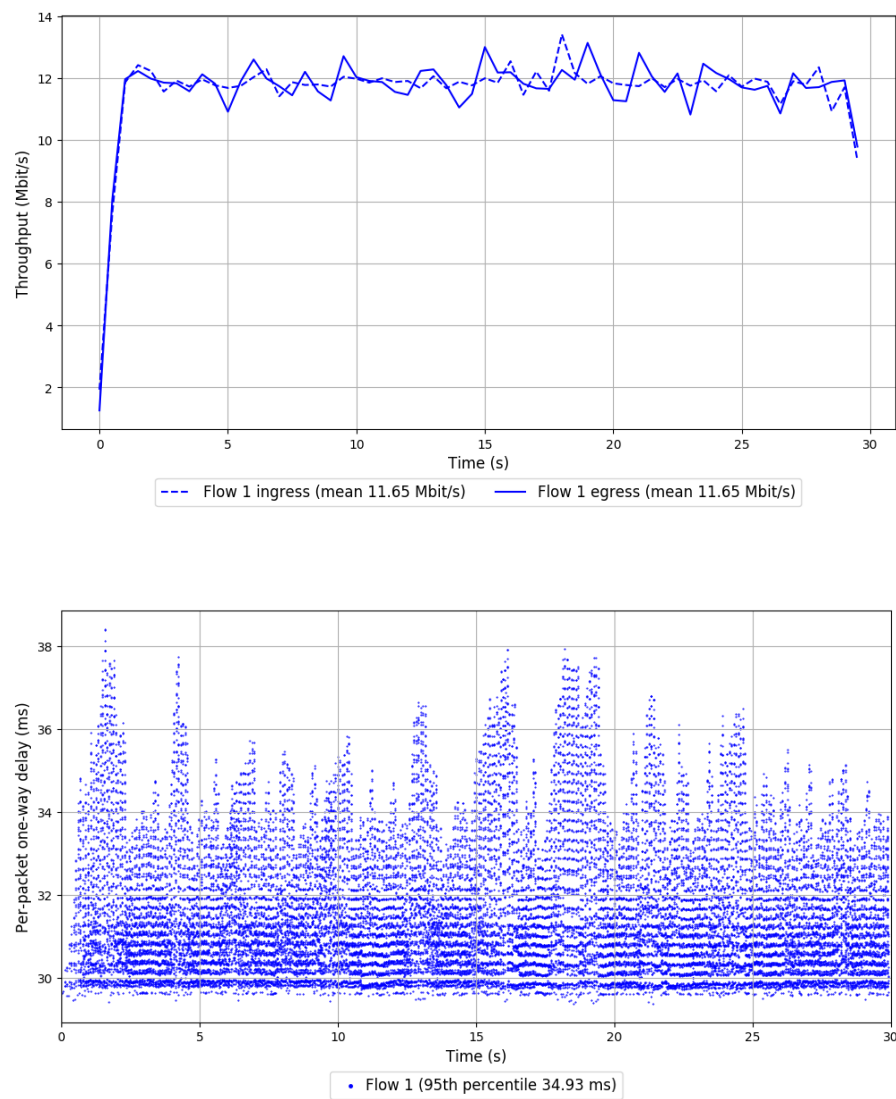


Run 6: Statistics of Sprout

Start at: 2018-04-17 07:55:08
End at: 2018-04-17 07:55:38
Local clock offset: 0.243 ms
Remote clock offset: -1.734 ms

Below is generated by plot.py at 2018-04-17 10:04:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.65 Mbit/s
95th percentile per-packet one-way delay: 34.932 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.65 Mbit/s
95th percentile per-packet one-way delay: 34.932 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

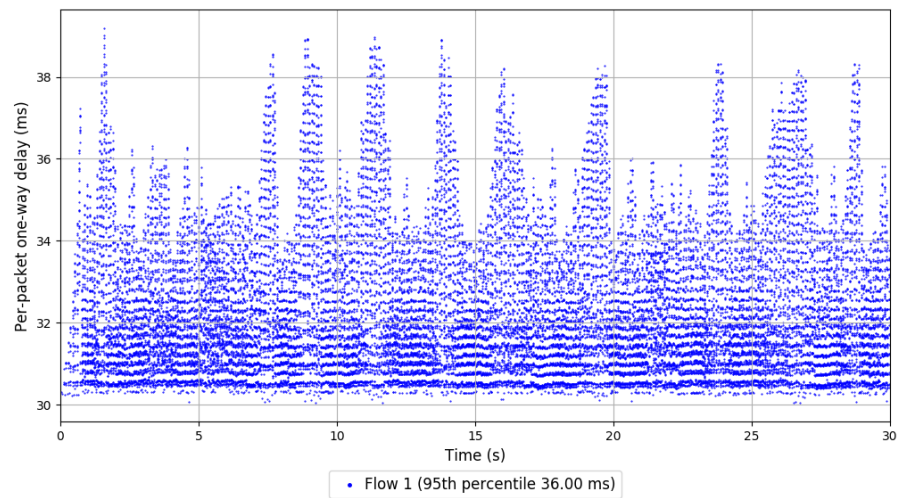
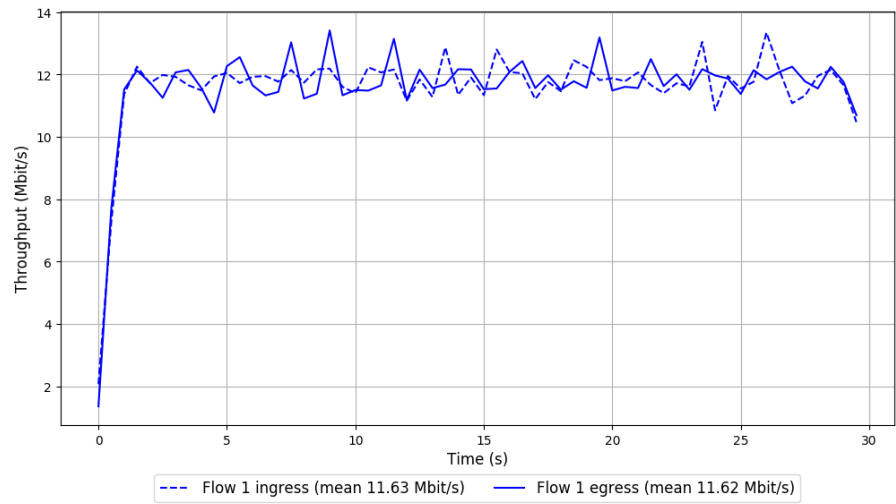


Run 7: Statistics of Sprout

Start at: 2018-04-17 08:18:21
End at: 2018-04-17 08:18:51
Local clock offset: -0.053 ms
Remote clock offset: -1.228 ms

Below is generated by plot.py at 2018-04-17 10:04:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.62 Mbit/s
95th percentile per-packet one-way delay: 35.998 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.62 Mbit/s
95th percentile per-packet one-way delay: 35.998 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

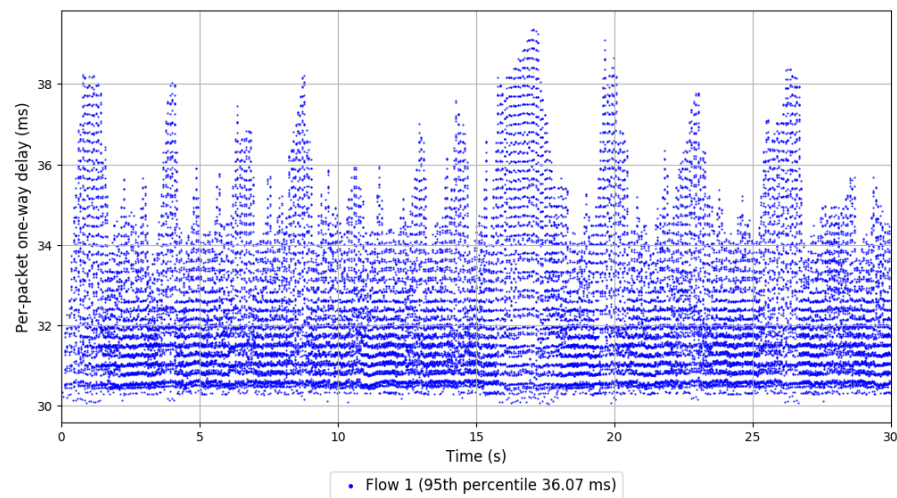
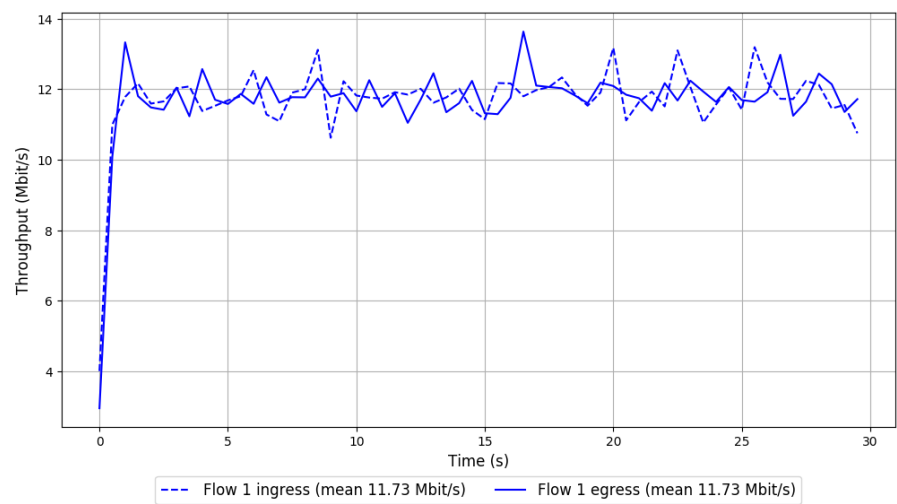


Run 8: Statistics of Sprout

Start at: 2018-04-17 08:41:12
End at: 2018-04-17 08:41:42
Local clock offset: -0.618 ms
Remote clock offset: -3.08 ms

Below is generated by plot.py at 2018-04-17 10:04:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.73 Mbit/s
95th percentile per-packet one-way delay: 36.073 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.73 Mbit/s
95th percentile per-packet one-way delay: 36.073 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

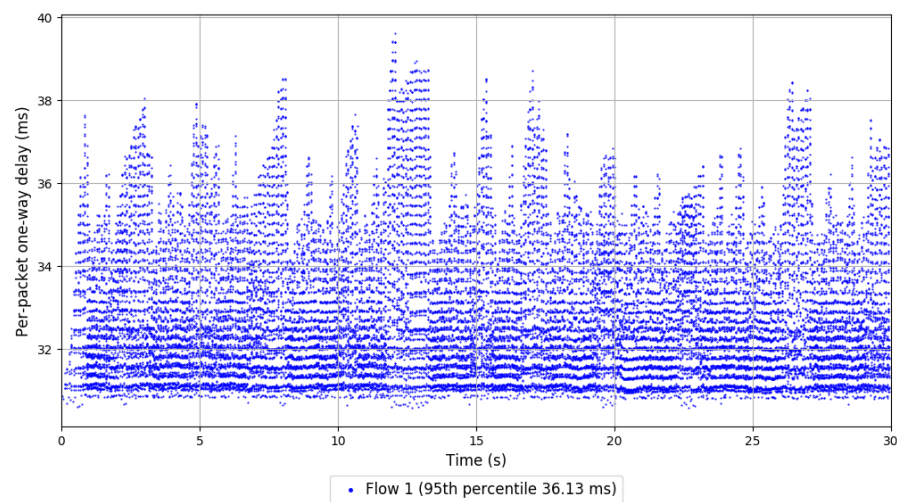
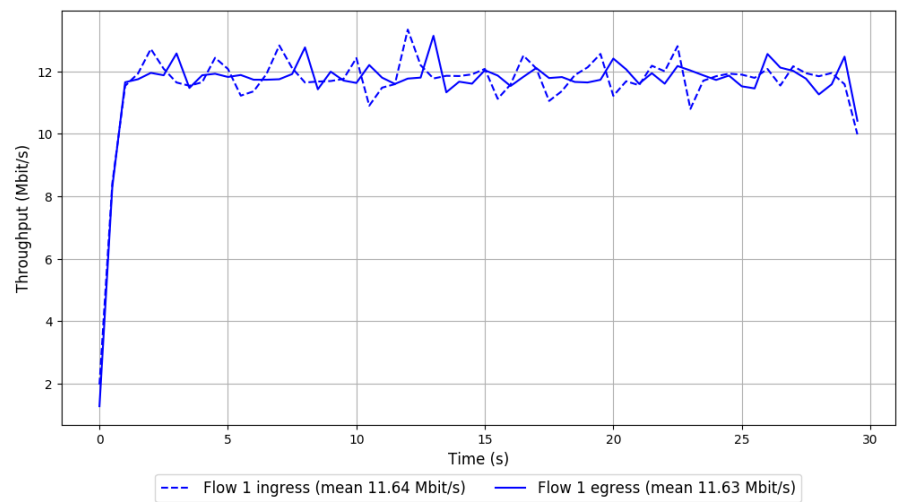


Run 9: Statistics of Sprout

Start at: 2018-04-17 09:03:51
End at: 2018-04-17 09:04:21
Local clock offset: 0.244 ms
Remote clock offset: -1.342 ms

Below is generated by plot.py at 2018-04-17 10:04:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.63 Mbit/s
95th percentile per-packet one-way delay: 36.135 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.63 Mbit/s
95th percentile per-packet one-way delay: 36.135 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-04-17 09:26:39

End at: 2018-04-17 09:27:09

Local clock offset: 1.267 ms

Remote clock offset: -0.159 ms

Below is generated by plot.py at 2018-04-17 10:04:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.74 Mbit/s

95th percentile per-packet one-way delay: 36.886 ms

Loss rate: 0.00%

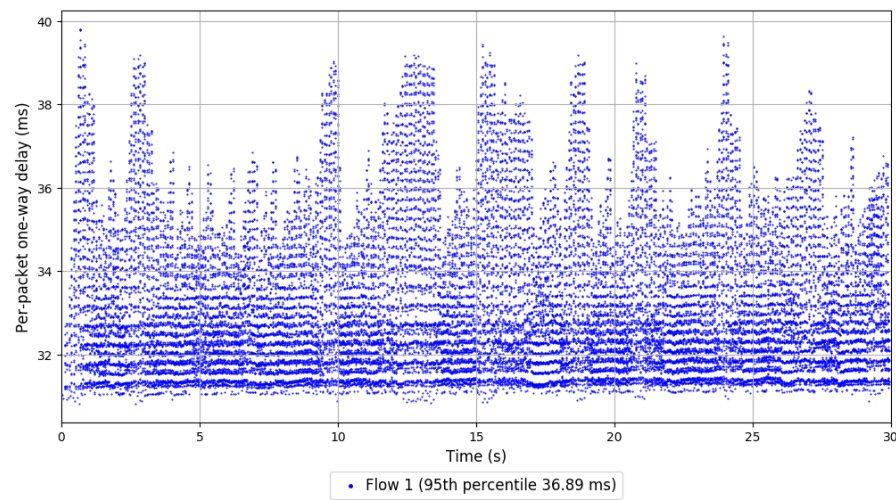
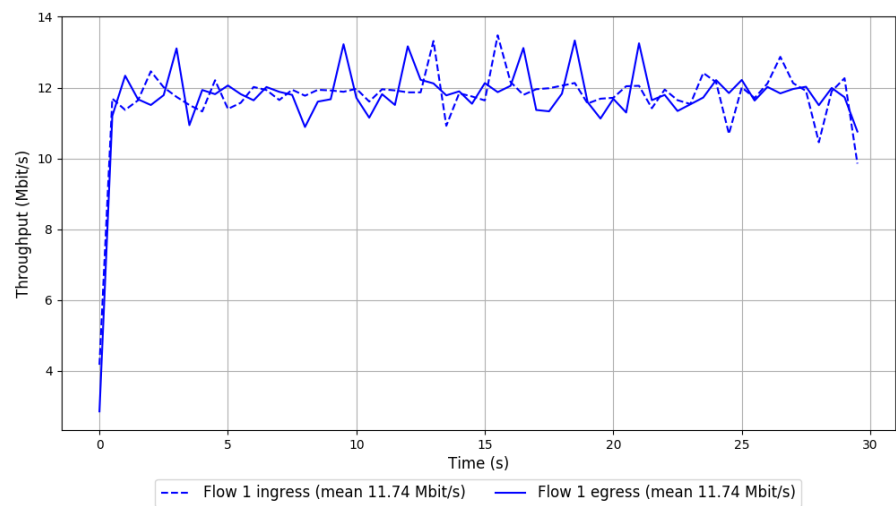
-- Flow 1:

Average throughput: 11.74 Mbit/s

95th percentile per-packet one-way delay: 36.886 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

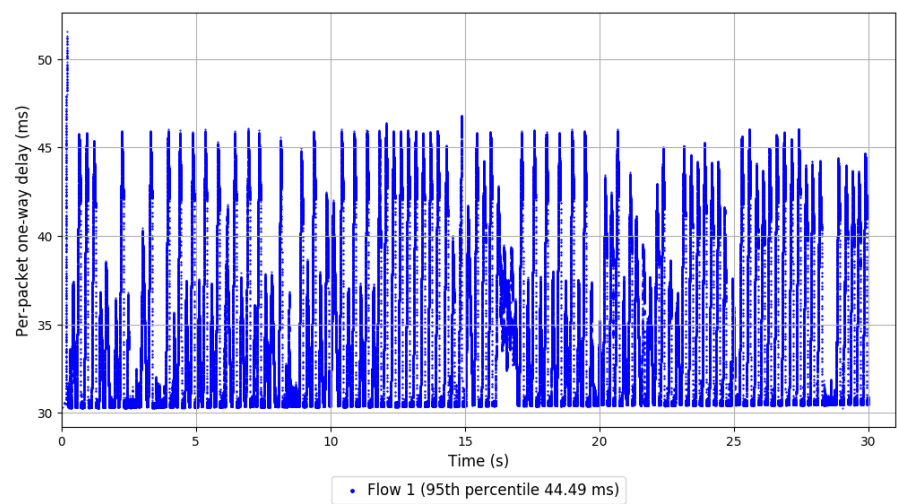
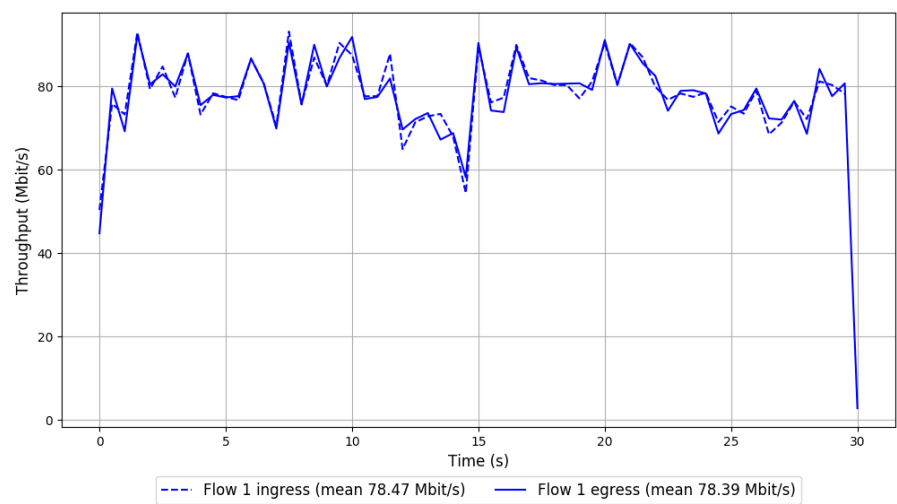


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-04-17 06:03:46
End at: 2018-04-17 06:04:16
Local clock offset: -3.268 ms
Remote clock offset: -1.675 ms

# Below is generated by plot.py at 2018-04-17 10:06:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.39 Mbit/s
95th percentile per-packet one-way delay: 44.486 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 78.39 Mbit/s
95th percentile per-packet one-way delay: 44.486 ms
Loss rate: 0.09%
```


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

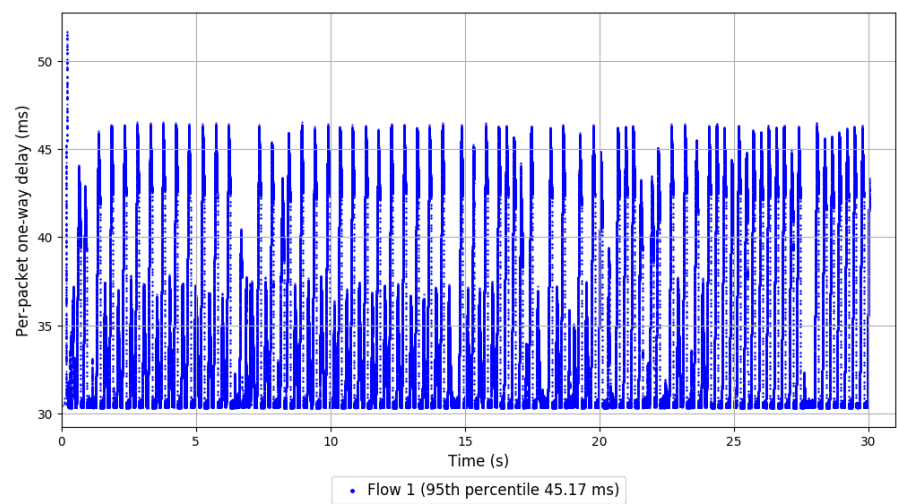
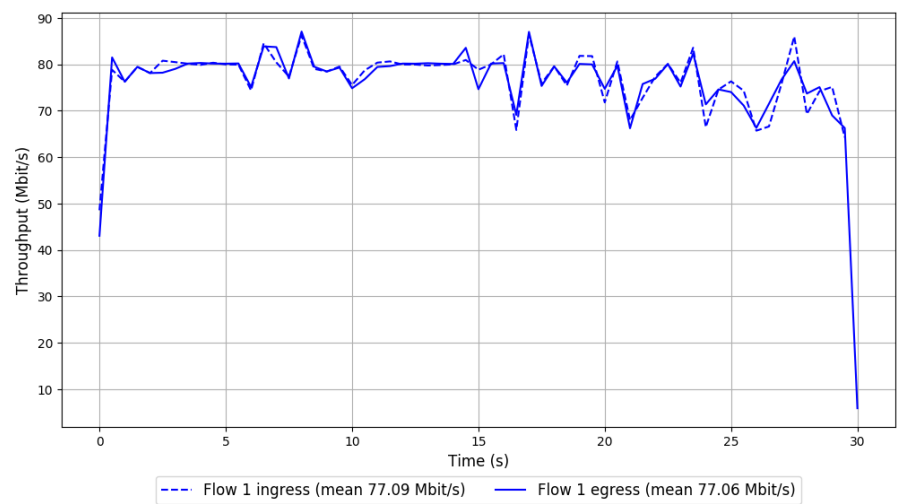


Run 2: Statistics of TaoVA-100x

Start at: 2018-04-17 06:26:59
End at: 2018-04-17 06:27:30
Local clock offset: -0.595 ms
Remote clock offset: -2.406 ms

Below is generated by plot.py at 2018-04-17 10:06:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.06 Mbit/s
95th percentile per-packet one-way delay: 45.169 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.06 Mbit/s
95th percentile per-packet one-way delay: 45.169 ms
Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-04-17 06:50:23

End at: 2018-04-17 06:50:53

Local clock offset: 0.017 ms

Remote clock offset: -1.112 ms

Below is generated by plot.py at 2018-04-17 10:06:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.17 Mbit/s

95th percentile per-packet one-way delay: 45.713 ms

Loss rate: 0.00%

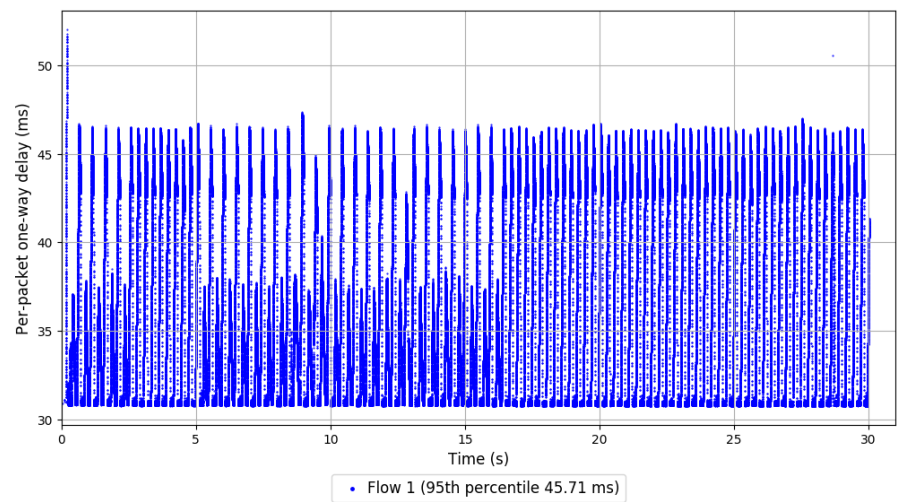
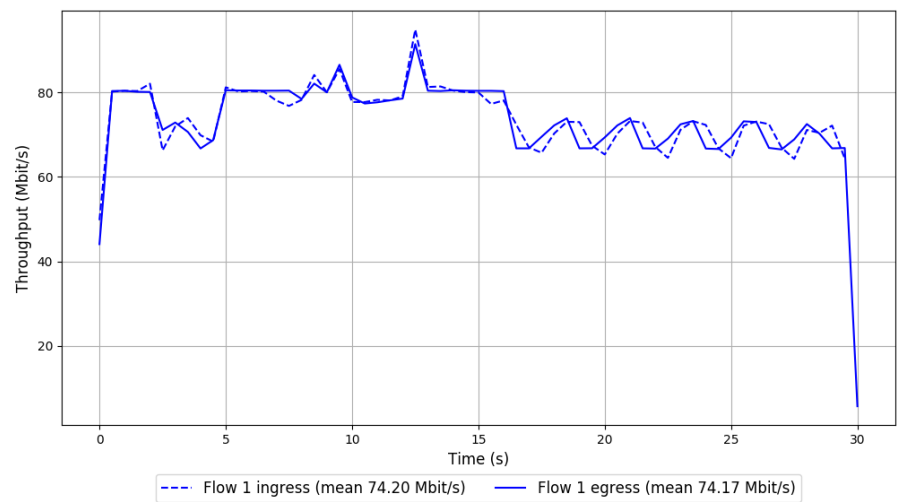
-- Flow 1:

Average throughput: 74.17 Mbit/s

95th percentile per-packet one-way delay: 45.713 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-04-17 07:13:19

End at: 2018-04-17 07:13:49

Local clock offset: 0.251 ms

Remote clock offset: -0.811 ms

Below is generated by plot.py at 2018-04-17 10:06:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.38 Mbit/s

95th percentile per-packet one-way delay: 45.176 ms

Loss rate: 0.05%

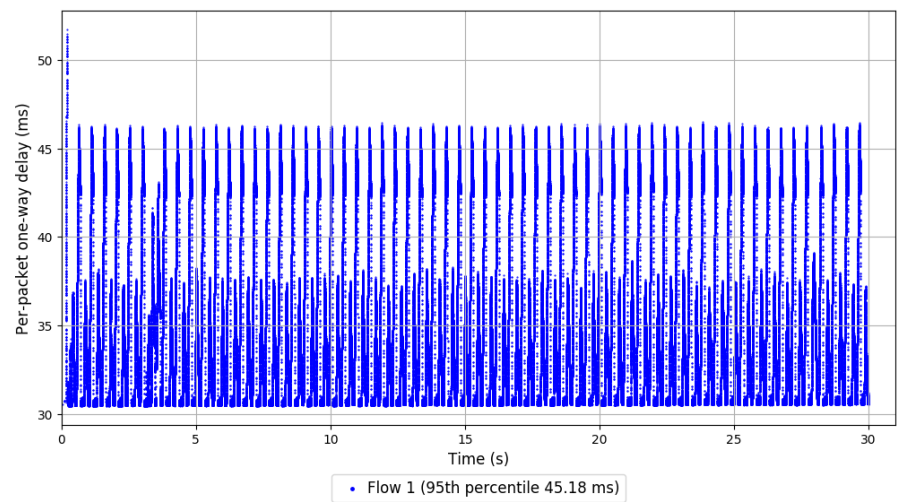
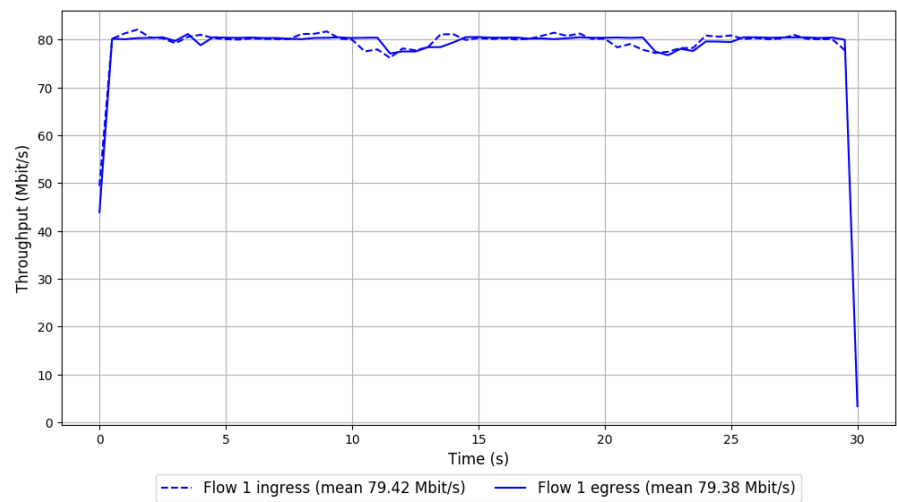
-- Flow 1:

Average throughput: 79.38 Mbit/s

95th percentile per-packet one-way delay: 45.176 ms

Loss rate: 0.05%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-04-17 07:36:08

End at: 2018-04-17 07:36:38

Local clock offset: 0.482 ms

Remote clock offset: -2.25 ms

Below is generated by plot.py at 2018-04-17 10:06:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.88 Mbit/s

95th percentile per-packet one-way delay: 45.423 ms

Loss rate: 0.02%

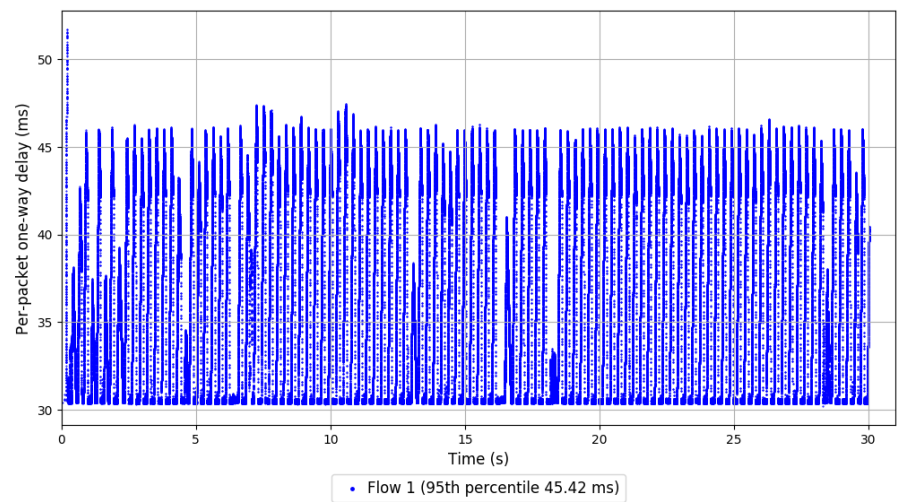
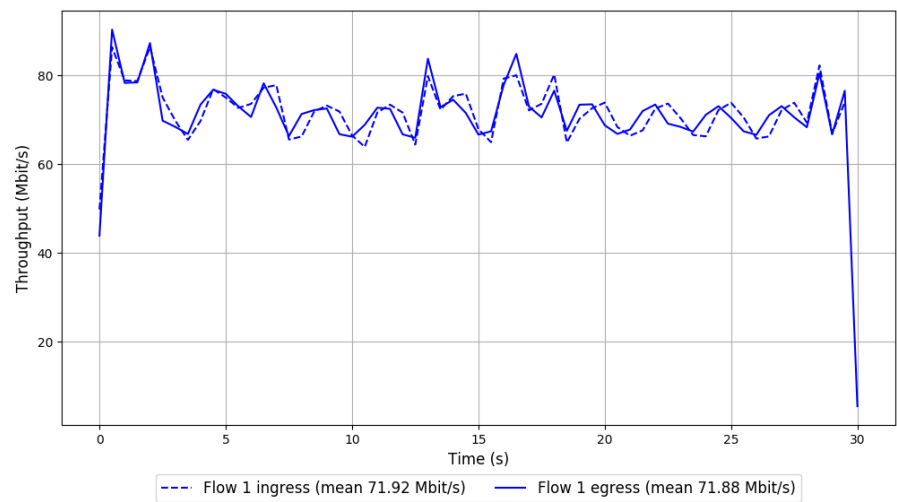
-- Flow 1:

Average throughput: 71.88 Mbit/s

95th percentile per-packet one-way delay: 45.423 ms

Loss rate: 0.02%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-04-17 07:59:20

End at: 2018-04-17 07:59:50

Local clock offset: 0.166 ms

Remote clock offset: -1.561 ms

Below is generated by plot.py at 2018-04-17 10:06:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.40 Mbit/s

95th percentile per-packet one-way delay: 44.702 ms

Loss rate: 0.00%

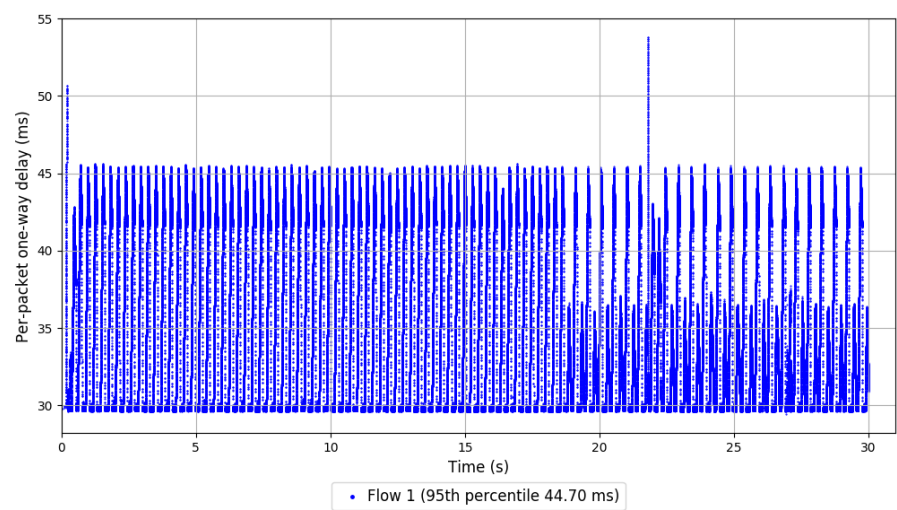
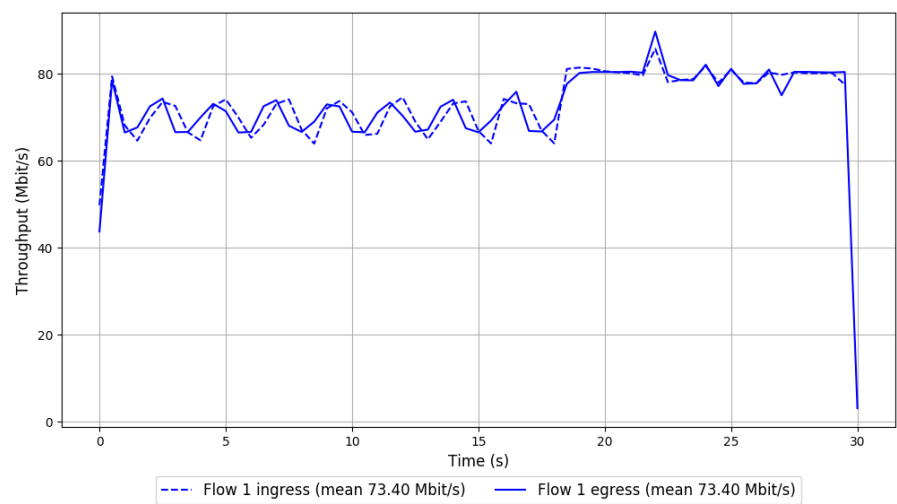
-- Flow 1:

Average throughput: 73.40 Mbit/s

95th percentile per-packet one-way delay: 44.702 ms

Loss rate: 0.00%

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

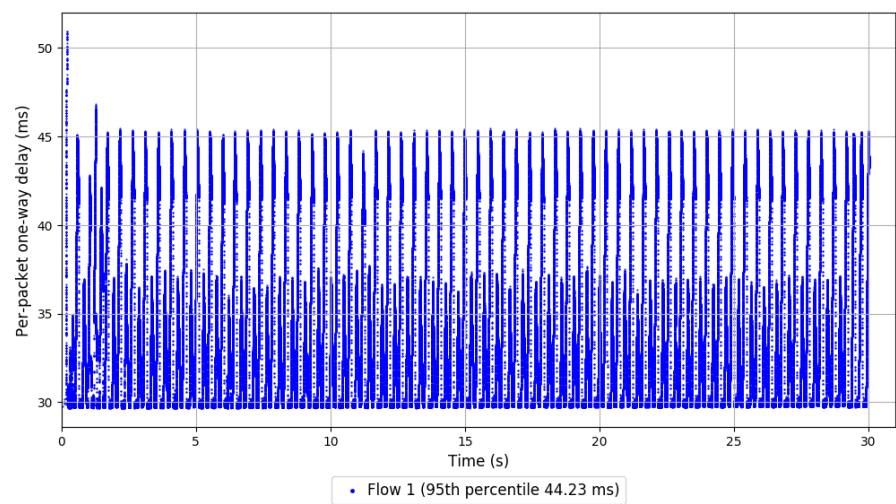
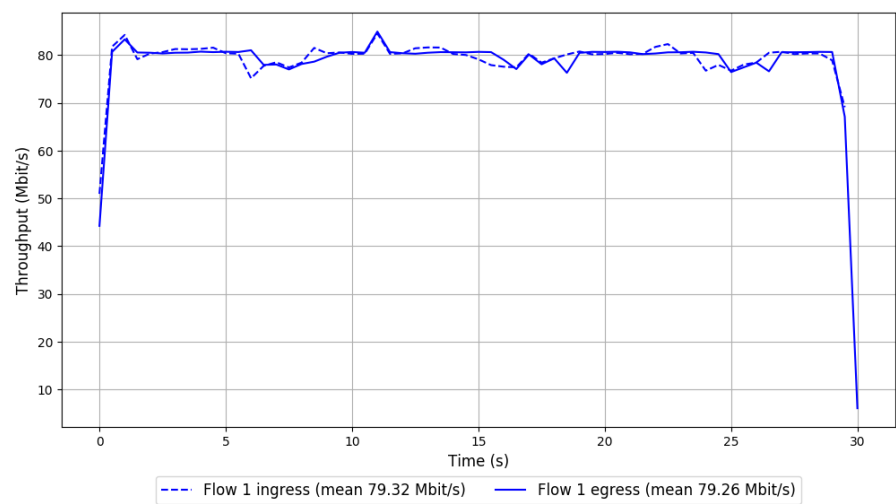


Run 7: Statistics of TaoVA-100x

Start at: 2018-04-17 08:22:28
End at: 2018-04-17 08:22:58
Local clock offset: -0.214 ms
Remote clock offset: -1.327 ms

Below is generated by plot.py at 2018-04-17 10:06:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.26 Mbit/s
95th percentile per-packet one-way delay: 44.232 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 79.26 Mbit/s
95th percentile per-packet one-way delay: 44.232 ms
Loss rate: 0.04%

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

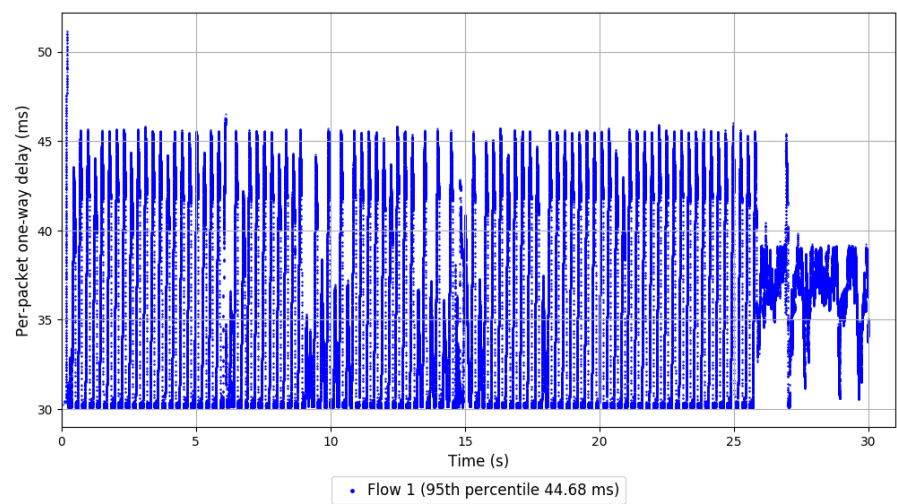
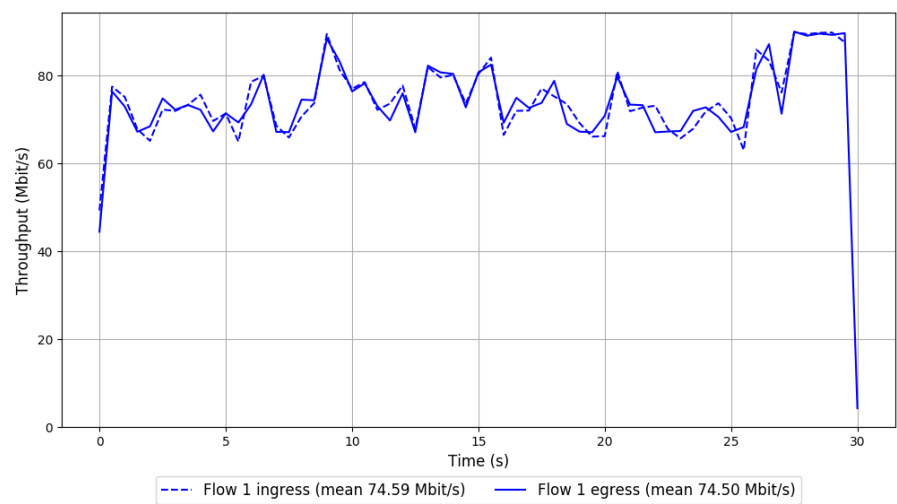


Run 8: Statistics of TaoVA-100x

Start at: 2018-04-17 08:45:11
End at: 2018-04-17 08:45:41
Local clock offset: -0.709 ms
Remote clock offset: -2.676 ms

Below is generated by plot.py at 2018-04-17 10:06:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.50 Mbit/s
95th percentile per-packet one-way delay: 44.681 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 74.50 Mbit/s
95th percentile per-packet one-way delay: 44.681 ms
Loss rate: 0.11%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-04-17 09:07:51

End at: 2018-04-17 09:08:21

Local clock offset: 0.25 ms

Remote clock offset: -1.489 ms

Below is generated by plot.py at 2018-04-17 10:08:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.29 Mbit/s

95th percentile per-packet one-way delay: 45.391 ms

Loss rate: 0.04%

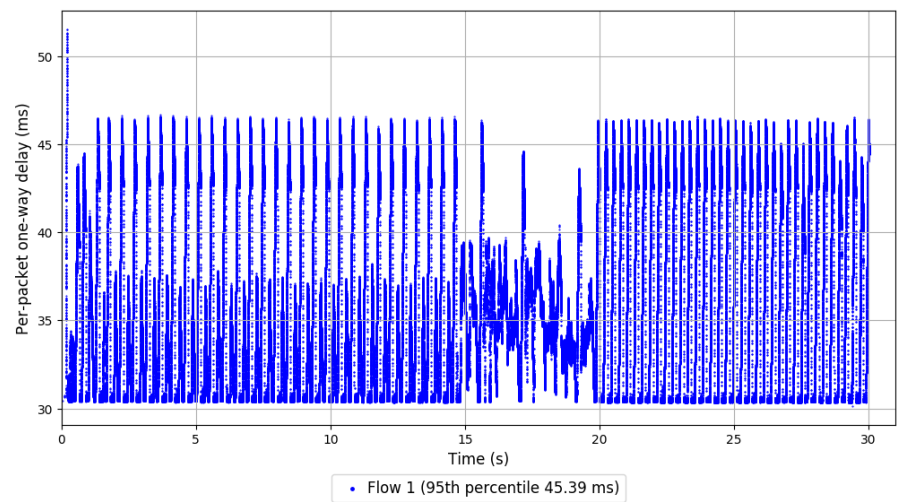
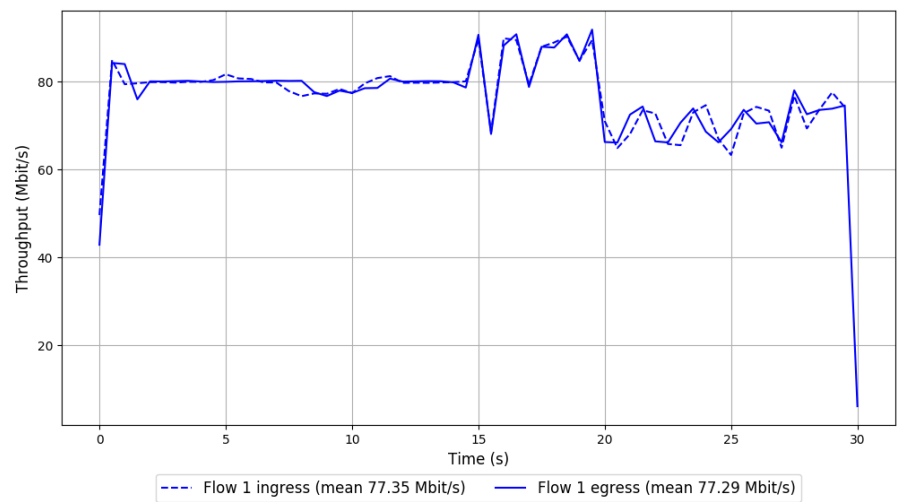
-- Flow 1:

Average throughput: 77.29 Mbit/s

95th percentile per-packet one-way delay: 45.391 ms

Loss rate: 0.04%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-04-17 09:30:38

End at: 2018-04-17 09:31:08

Local clock offset: 2.178 ms

Remote clock offset: -0.71 ms

Below is generated by plot.py at 2018-04-17 10:08:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.21 Mbit/s

95th percentile per-packet one-way delay: 45.163 ms

Loss rate: 0.02%

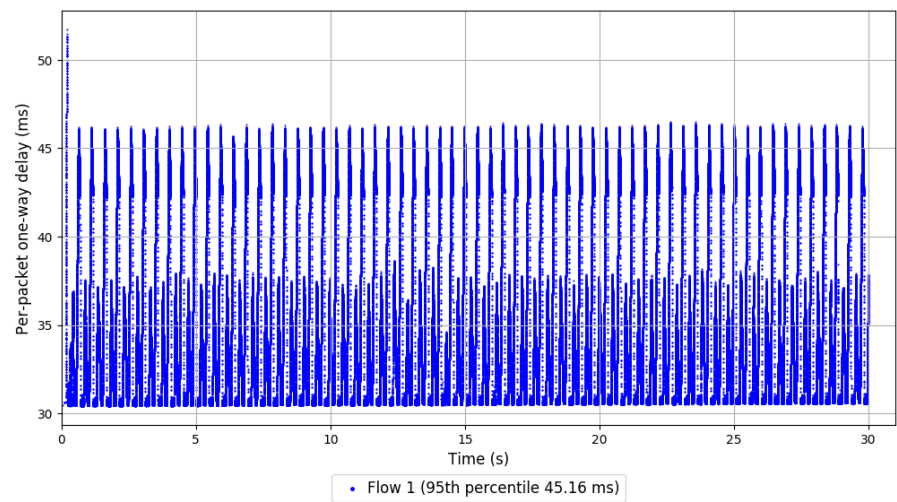
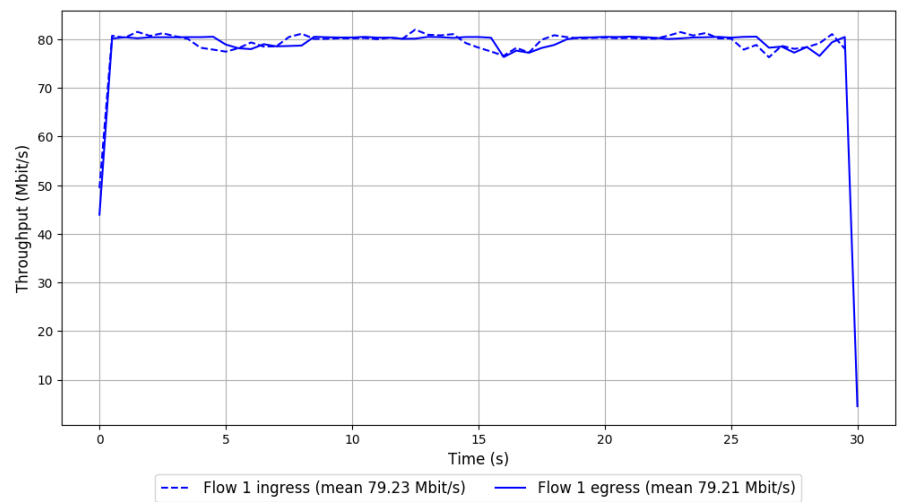
-- Flow 1:

Average throughput: 79.21 Mbit/s

95th percentile per-packet one-way delay: 45.163 ms

Loss rate: 0.02%

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

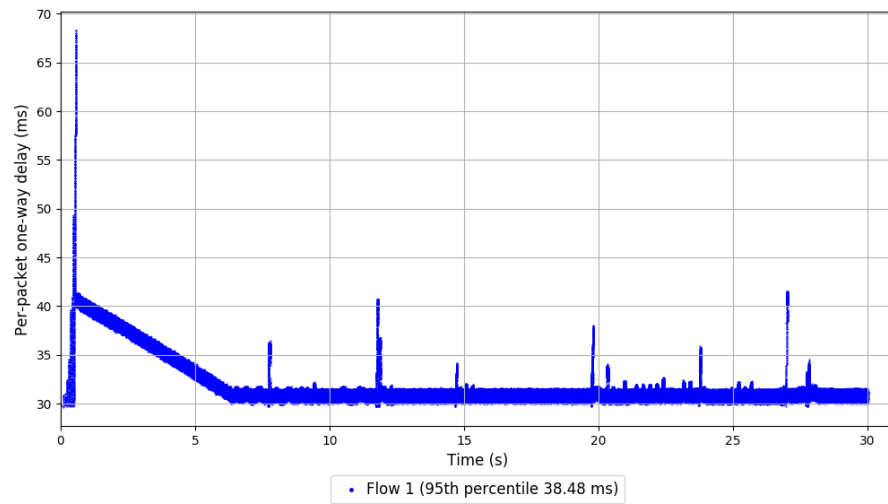
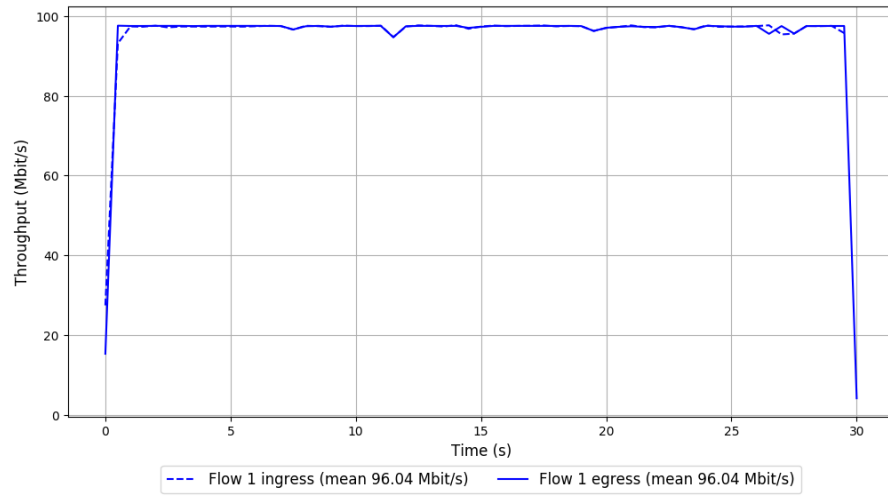


Run 1: Statistics of TCP Vegas

Start at: 2018-04-17 06:12:02
End at: 2018-04-17 06:12:32
Local clock offset: -1.294 ms
Remote clock offset: -2.244 ms

Below is generated by plot.py at 2018-04-17 10:08:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 38.485 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 38.485 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

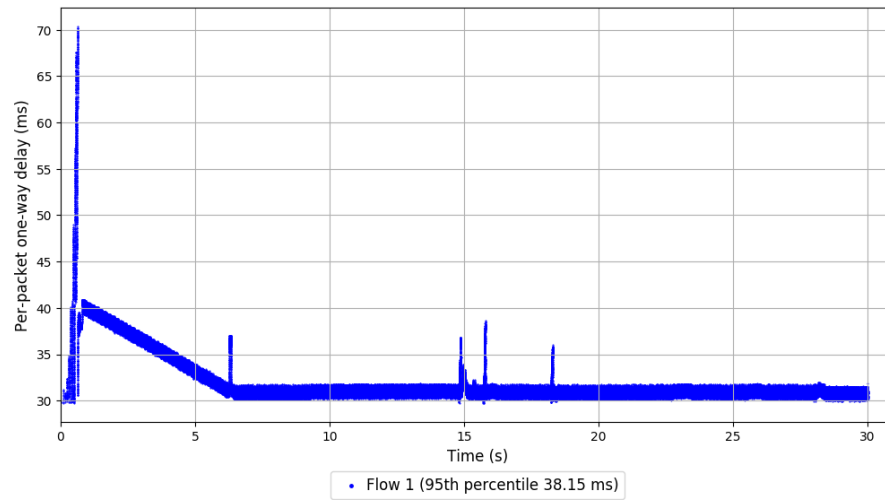
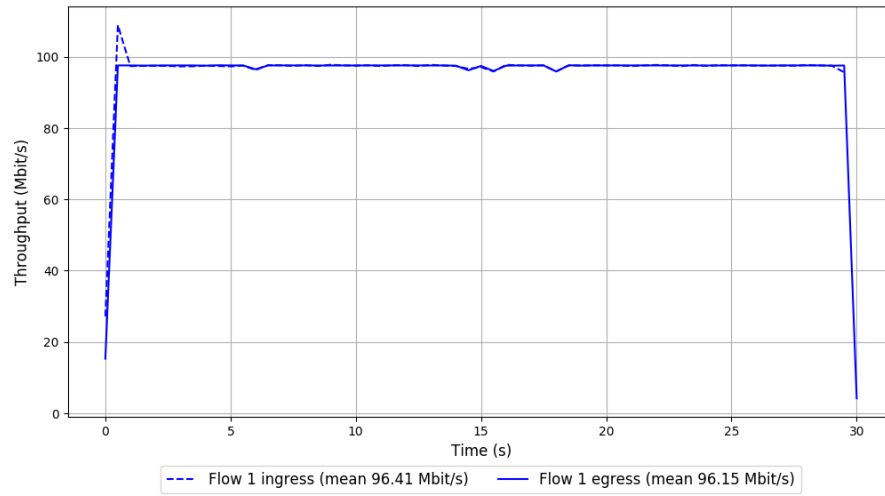


Run 2: Statistics of TCP Vegas

Start at: 2018-04-17 06:35:28
End at: 2018-04-17 06:35:58
Local clock offset: -0.508 ms
Remote clock offset: -2.456 ms

Below is generated by plot.py at 2018-04-17 10:08:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.15 Mbit/s
95th percentile per-packet one-way delay: 38.152 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 96.15 Mbit/s
95th percentile per-packet one-way delay: 38.152 ms
Loss rate: 0.27%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-04-17 06:58:27

End at: 2018-04-17 06:58:57

Local clock offset: 0.046 ms

Remote clock offset: -0.83 ms

Below is generated by plot.py at 2018-04-17 10:08:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.16 Mbit/s

95th percentile per-packet one-way delay: 38.610 ms

Loss rate: 0.27%

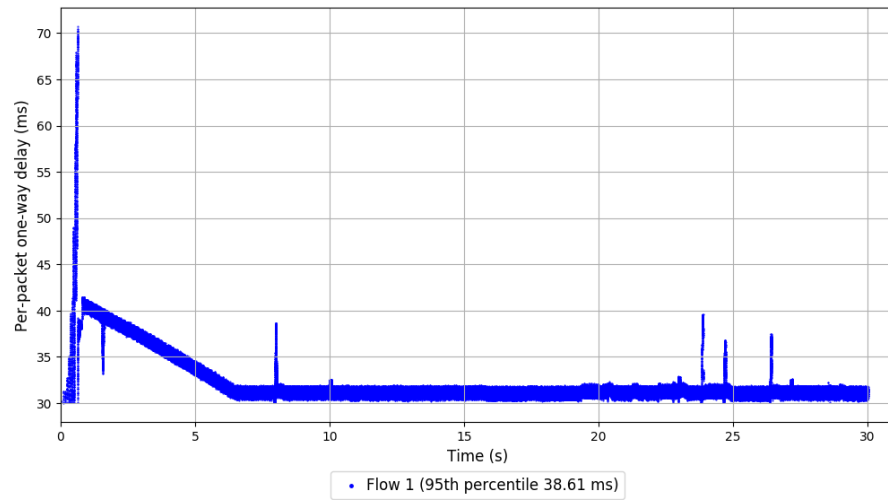
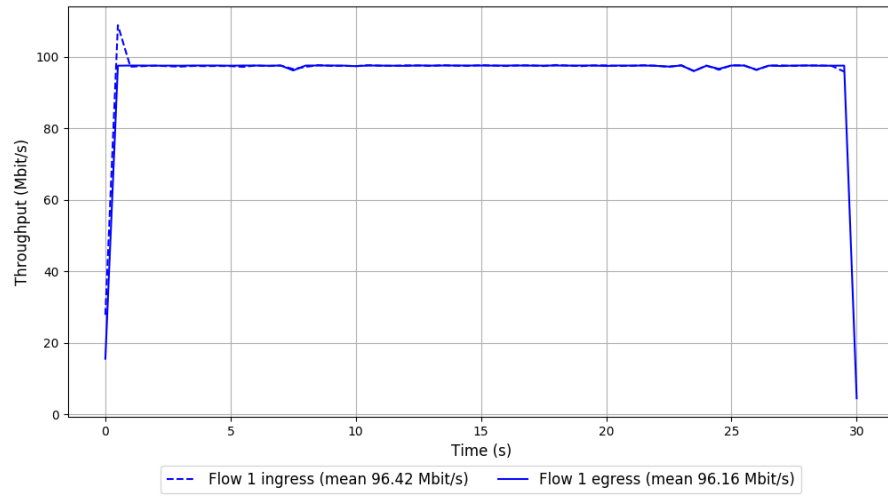
-- Flow 1:

Average throughput: 96.16 Mbit/s

95th percentile per-packet one-way delay: 38.610 ms

Loss rate: 0.27%

Run 3: Report of TCP Vegas — Data Link

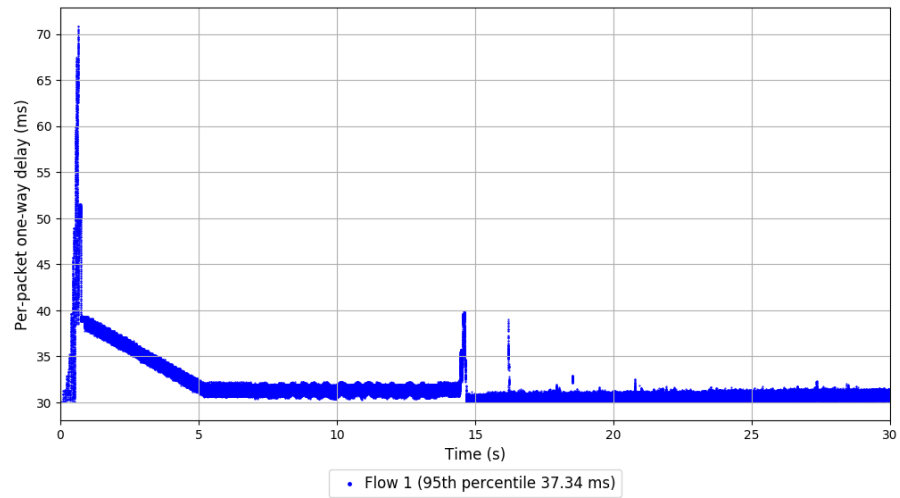
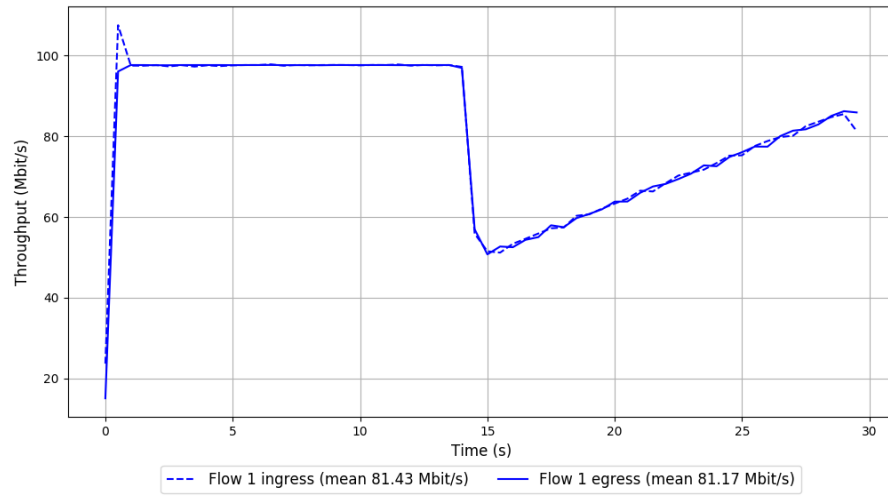


Run 4: Statistics of TCP Vegas

Start at: 2018-04-17 07:21:23
End at: 2018-04-17 07:21:53
Local clock offset: 0.435 ms
Remote clock offset: -1.232 ms

Below is generated by plot.py at 2018-04-17 10:08:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.17 Mbit/s
95th percentile per-packet one-way delay: 37.342 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 81.17 Mbit/s
95th percentile per-packet one-way delay: 37.342 ms
Loss rate: 0.31%

Run 4: Report of TCP Vegas — Data Link

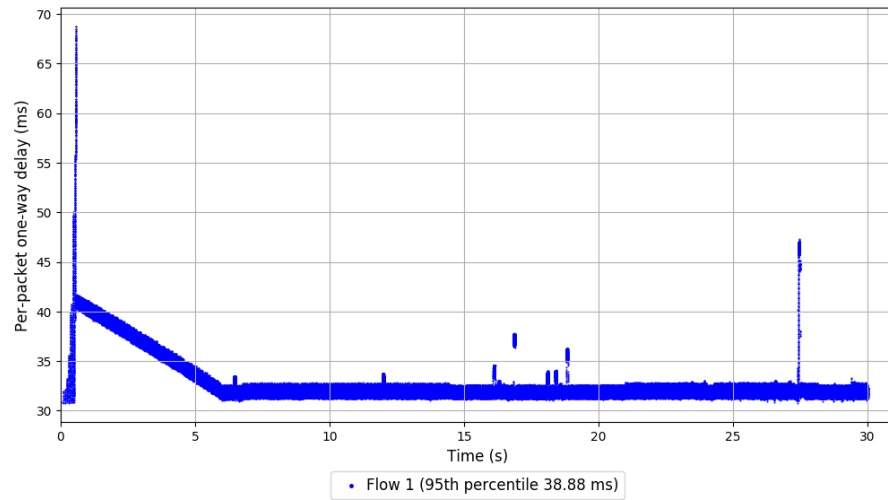
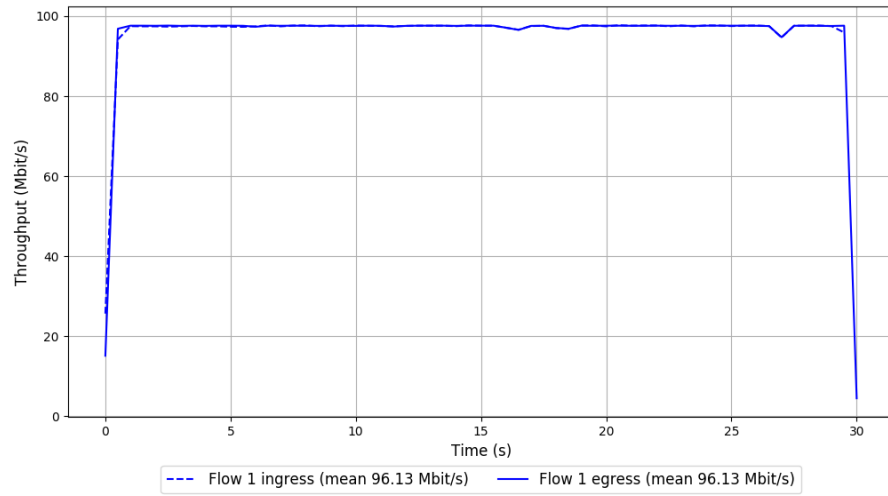


Run 5: Statistics of TCP Vegas

Start at: 2018-04-17 07:44:07
End at: 2018-04-17 07:44:37
Local clock offset: 0.434 ms
Remote clock offset: -1.931 ms

Below is generated by plot.py at 2018-04-17 10:08:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.13 Mbit/s
95th percentile per-packet one-way delay: 38.879 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.13 Mbit/s
95th percentile per-packet one-way delay: 38.879 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-04-17 08:07:26

End at: 2018-04-17 08:07:56

Local clock offset: 0.025 ms

Remote clock offset: -1.31 ms

Below is generated by plot.py at 2018-04-17 10:08:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.15 Mbit/s

95th percentile per-packet one-way delay: 37.267 ms

Loss rate: 0.40%

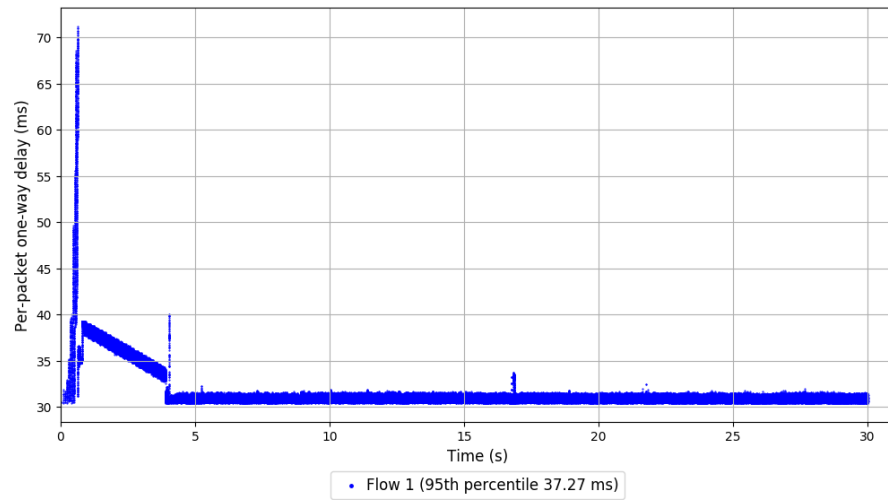
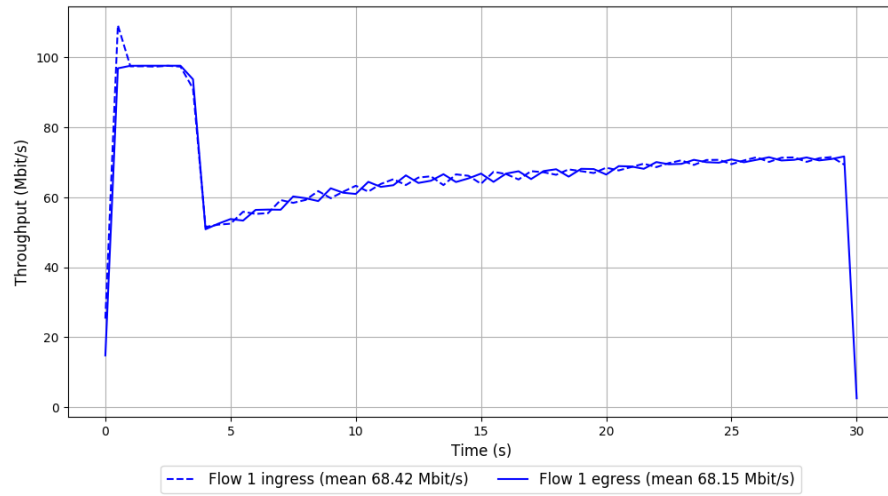
-- Flow 1:

Average throughput: 68.15 Mbit/s

95th percentile per-packet one-way delay: 37.267 ms

Loss rate: 0.40%

Run 6: Report of TCP Vegas — Data Link

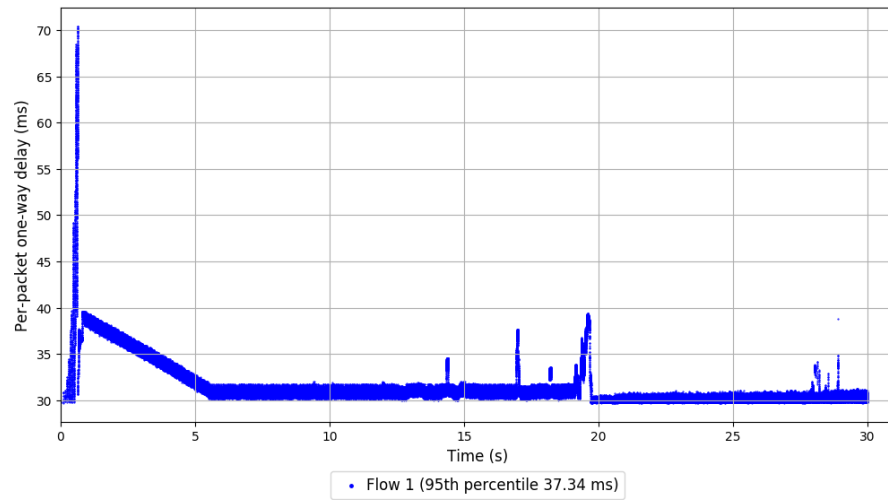
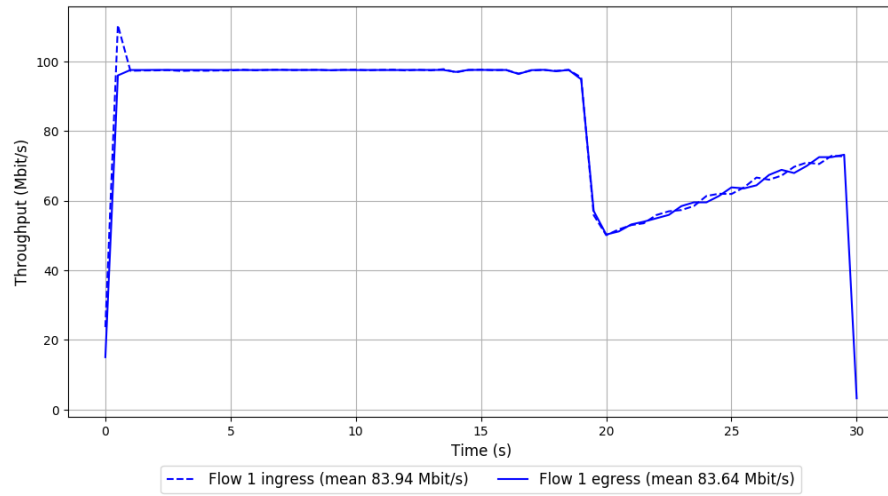


Run 7: Statistics of TCP Vegas

Start at: 2018-04-17 08:30:32
End at: 2018-04-17 08:31:02
Local clock offset: -0.466 ms
Remote clock offset: -2.384 ms

Below is generated by plot.py at 2018-04-17 10:09:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.64 Mbit/s
95th percentile per-packet one-way delay: 37.342 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 83.64 Mbit/s
95th percentile per-packet one-way delay: 37.342 ms
Loss rate: 0.36%

Run 7: Report of TCP Vegas — Data Link

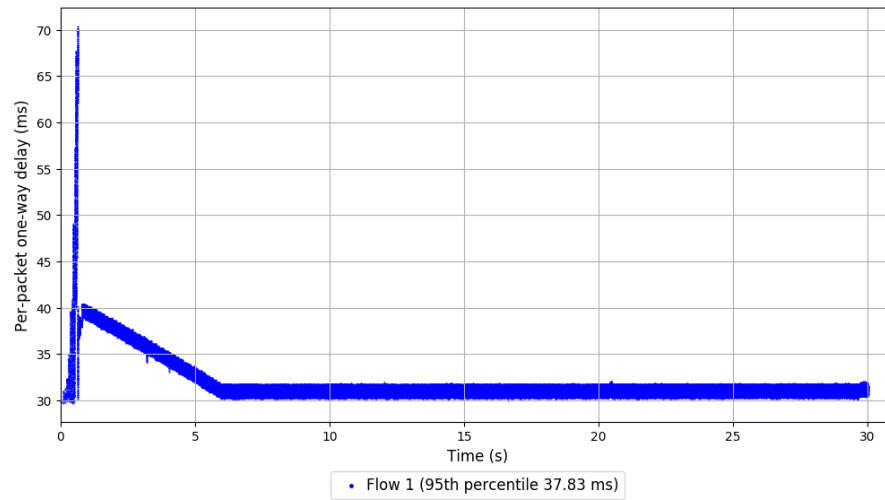
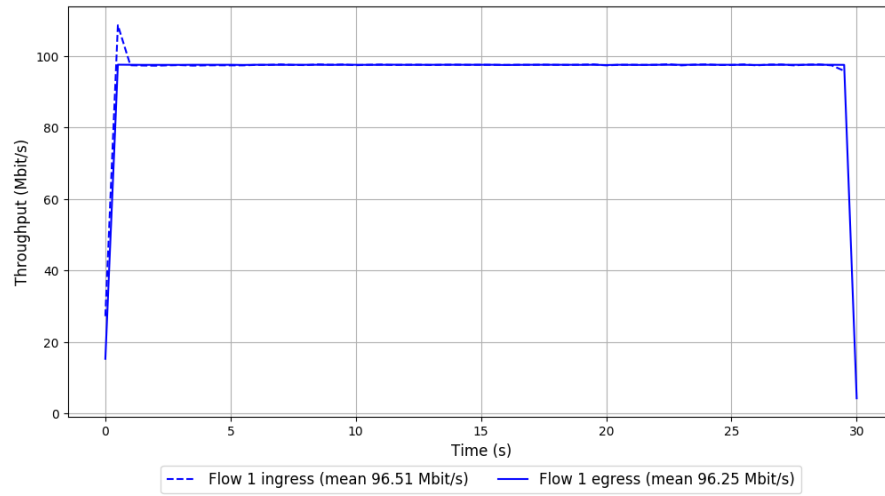


Run 8: Statistics of TCP Vegas

Start at: 2018-04-17 08:53:08
End at: 2018-04-17 08:53:38
Local clock offset: -0.443 ms
Remote clock offset: -3.161 ms

Below is generated by plot.py at 2018-04-17 10:09:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 37.834 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 37.834 ms
Loss rate: 0.26%

Run 8: Report of TCP Vegas — Data Link

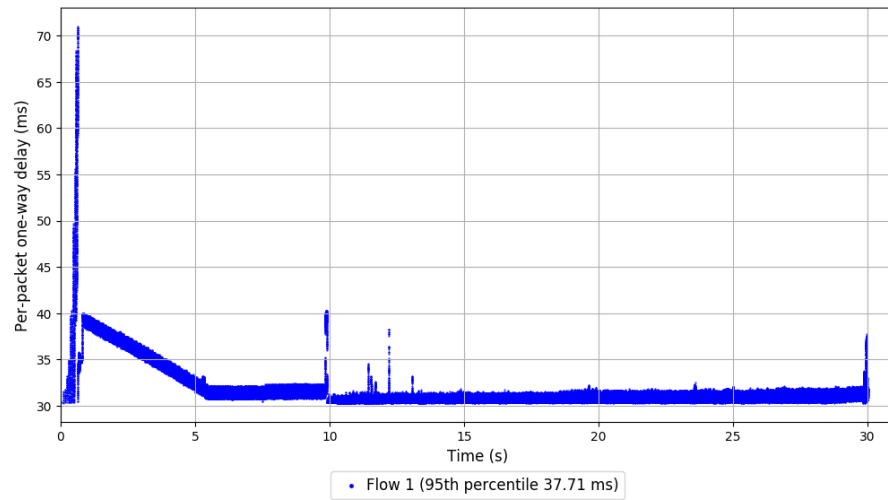
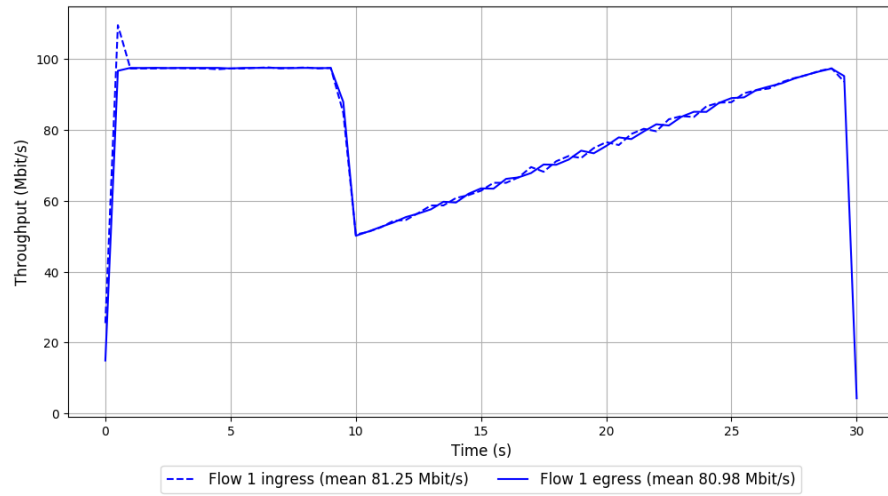


Run 9: Statistics of TCP Vegas

Start at: 2018-04-17 09:15:58
End at: 2018-04-17 09:16:28
Local clock offset: 0.534 ms
Remote clock offset: -0.969 ms

Below is generated by plot.py at 2018-04-17 10:09:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.98 Mbit/s
95th percentile per-packet one-way delay: 37.710 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 80.98 Mbit/s
95th percentile per-packet one-way delay: 37.710 ms
Loss rate: 0.33%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-04-17 09:38:37

End at: 2018-04-17 09:39:07

Local clock offset: 3.138 ms

Remote clock offset: -1.096 ms

Below is generated by plot.py at 2018-04-17 10:09:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.20 Mbit/s

95th percentile per-packet one-way delay: 36.636 ms

Loss rate: 0.27%

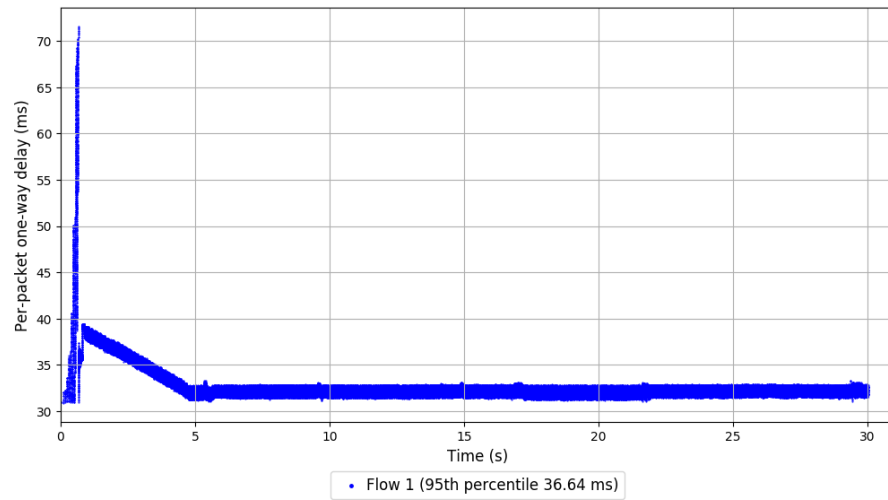
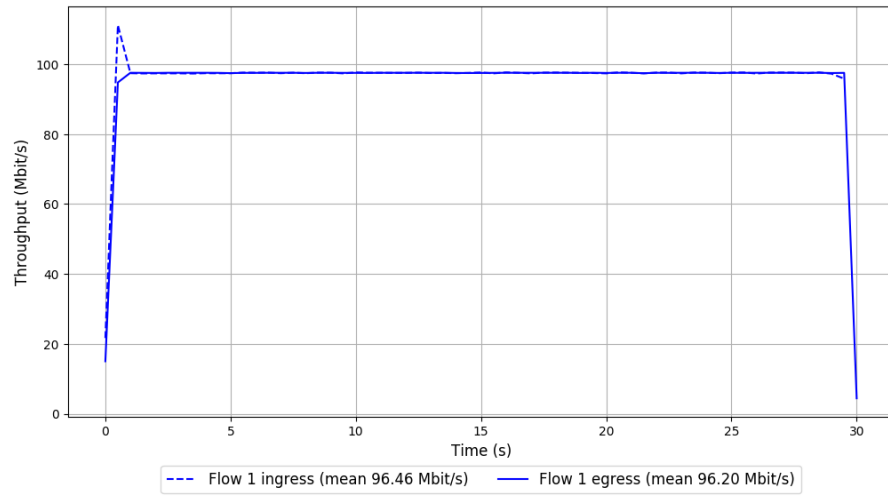
-- Flow 1:

Average throughput: 96.20 Mbit/s

95th percentile per-packet one-way delay: 36.636 ms

Loss rate: 0.27%

Run 10: Report of TCP Vegas — Data Link

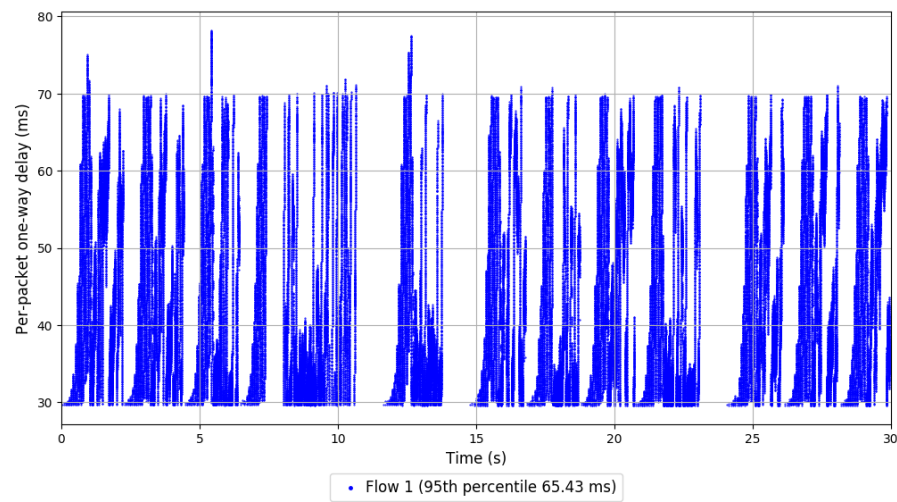
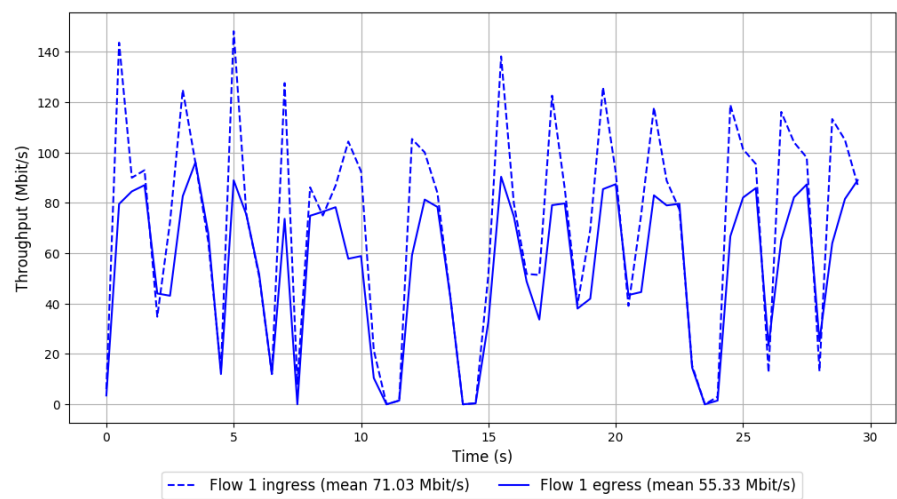


Run 1: Statistics of Verus

Start at: 2018-04-17 05:56:31
End at: 2018-04-17 05:57:01
Local clock offset: -5.349 ms
Remote clock offset: -2.024 ms

Below is generated by plot.py at 2018-04-17 10:09:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.33 Mbit/s
95th percentile per-packet one-way delay: 65.426 ms
Loss rate: 22.08%
-- Flow 1:
Average throughput: 55.33 Mbit/s
95th percentile per-packet one-way delay: 65.426 ms
Loss rate: 22.08%

Run 1: Report of Verus — Data Link

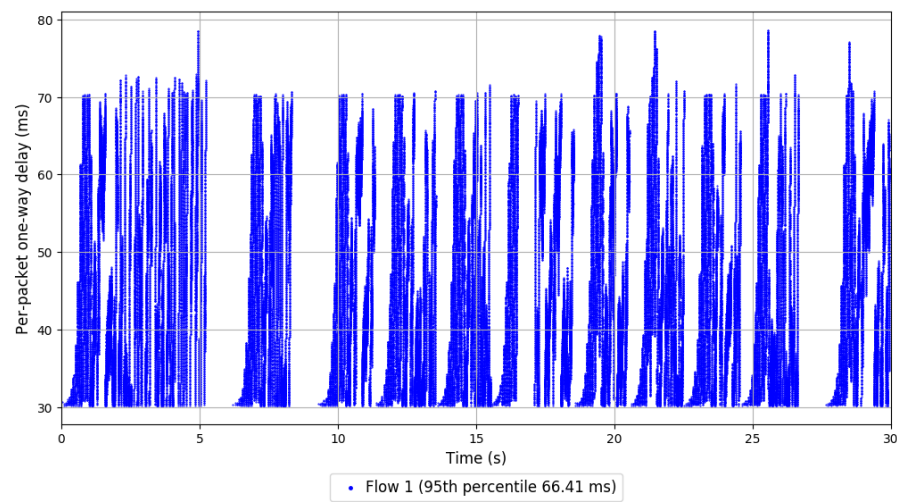
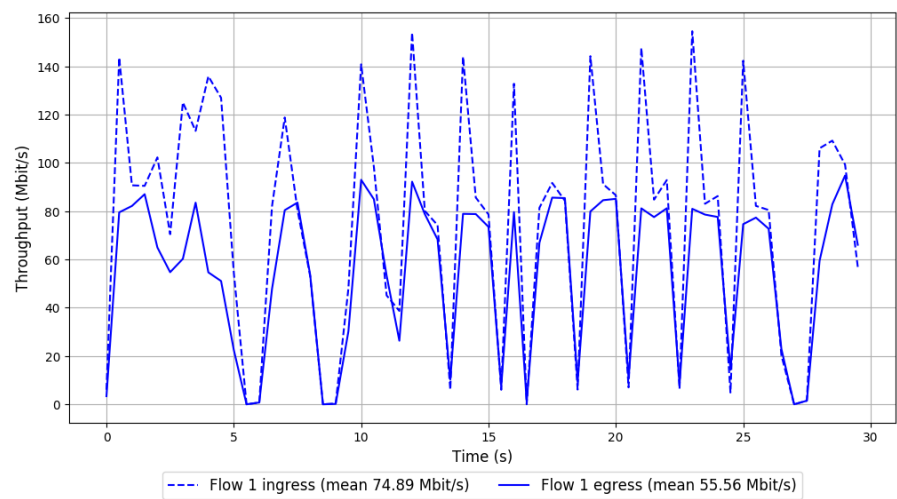


Run 2: Statistics of Verus

Start at: 2018-04-17 06:20:17
End at: 2018-04-17 06:20:47
Local clock offset: -0.785 ms
Remote clock offset: -1.908 ms

Below is generated by plot.py at 2018-04-17 10:09:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.56 Mbit/s
95th percentile per-packet one-way delay: 66.406 ms
Loss rate: 25.73%
-- Flow 1:
Average throughput: 55.56 Mbit/s
95th percentile per-packet one-way delay: 66.406 ms
Loss rate: 25.73%

Run 2: Report of Verus — Data Link

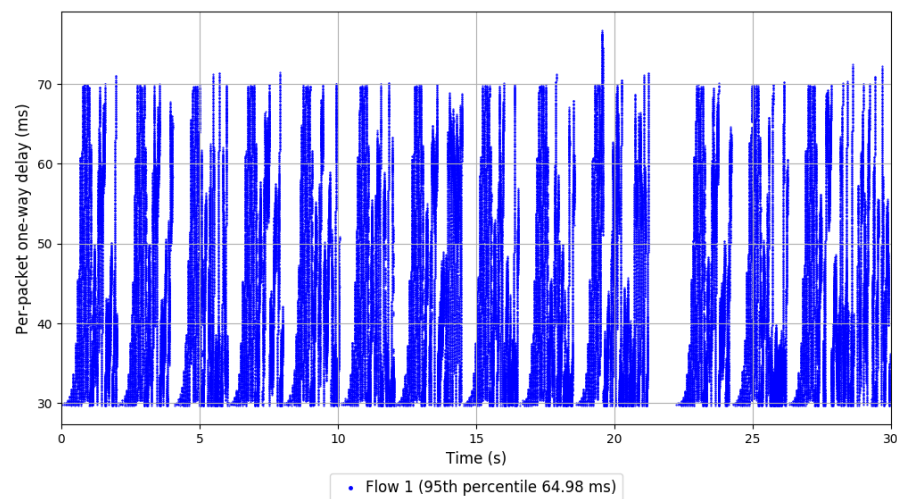
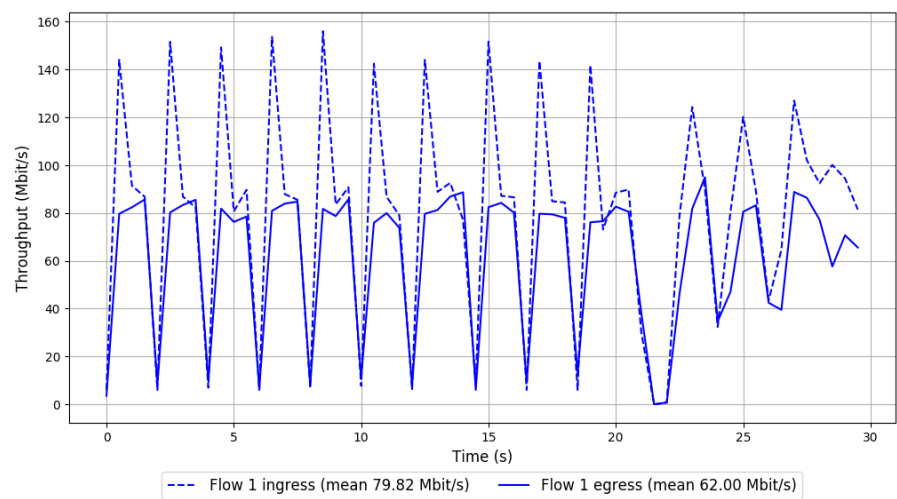


Run 3: Statistics of Verus

Start at: 2018-04-17 06:43:39
End at: 2018-04-17 06:44:09
Local clock offset: -0.185 ms
Remote clock offset: -2.024 ms

Below is generated by plot.py at 2018-04-17 10:09:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.00 Mbit/s
95th percentile per-packet one-way delay: 64.976 ms
Loss rate: 22.30%
-- Flow 1:
Average throughput: 62.00 Mbit/s
95th percentile per-packet one-way delay: 64.976 ms
Loss rate: 22.30%

Run 3: Report of Verus — Data Link

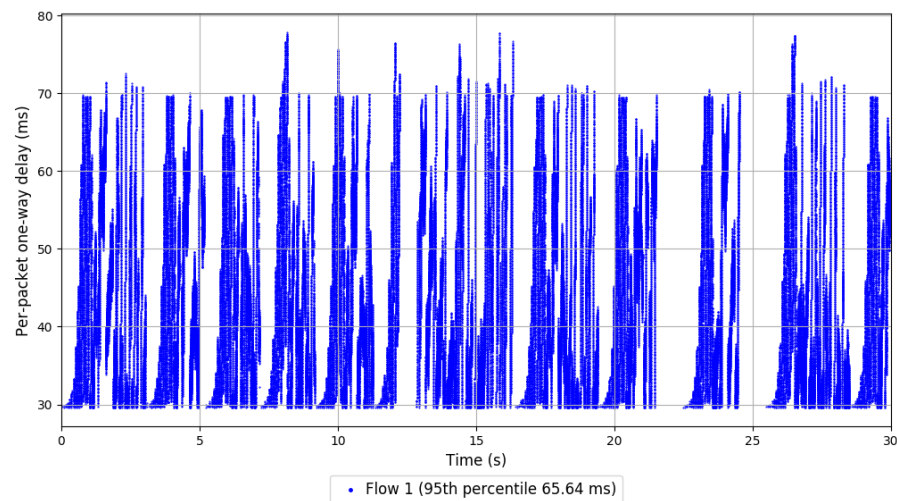
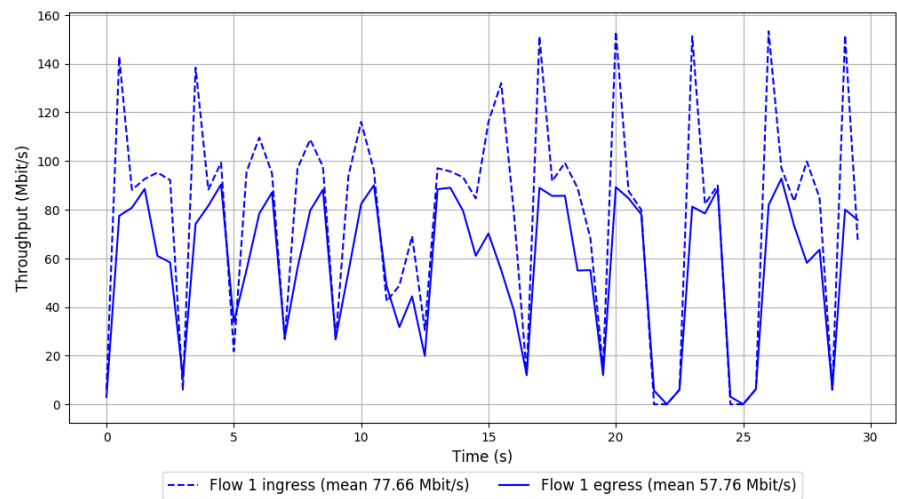


Run 4: Statistics of Verus

Start at: 2018-04-17 07:06:34
End at: 2018-04-17 07:07:04
Local clock offset: 0.041 ms
Remote clock offset: -1.066 ms

Below is generated by plot.py at 2018-04-17 10:09:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.76 Mbit/s
95th percentile per-packet one-way delay: 65.641 ms
Loss rate: 25.57%
-- Flow 1:
Average throughput: 57.76 Mbit/s
95th percentile per-packet one-way delay: 65.641 ms
Loss rate: 25.57%

Run 4: Report of Verus — Data Link

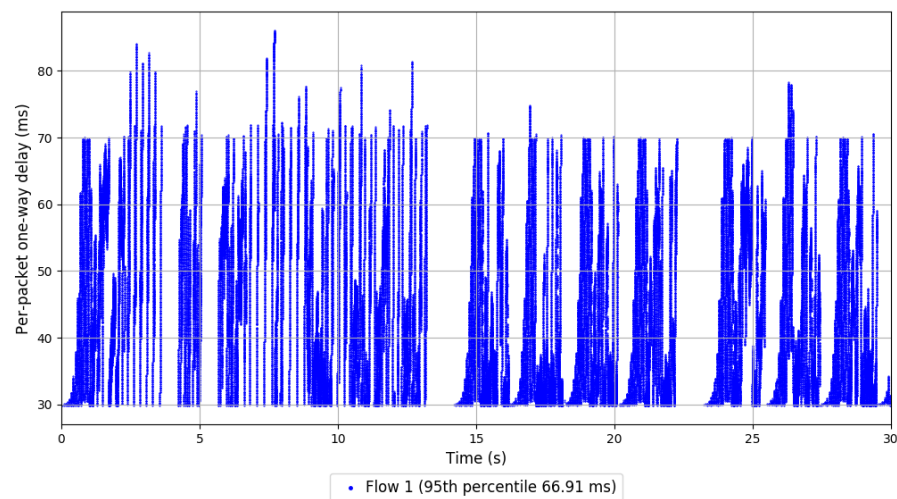
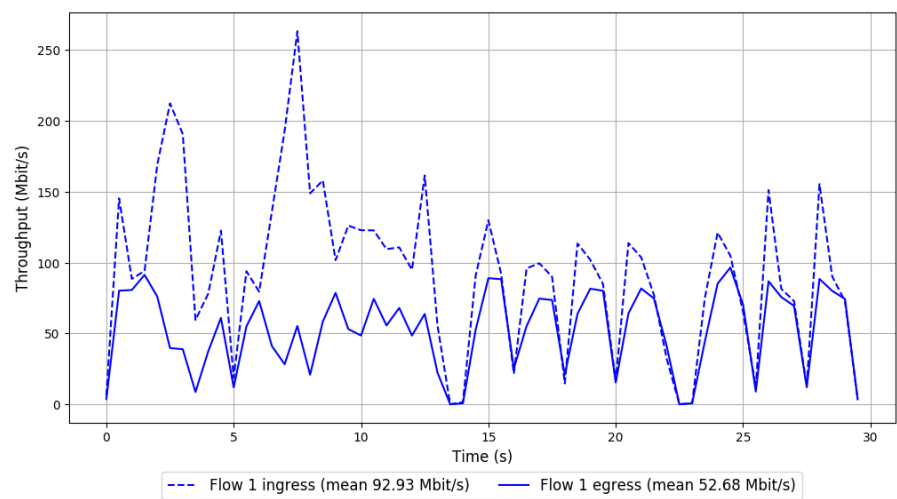


Run 5: Statistics of Verus

Start at: 2018-04-17 07:29:29
End at: 2018-04-17 07:29:59
Local clock offset: 0.402 ms
Remote clock offset: -2.009 ms

Below is generated by plot.py at 2018-04-17 10:09:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 52.68 Mbit/s
95th percentile per-packet one-way delay: 66.906 ms
Loss rate: 43.31%
-- Flow 1:
Average throughput: 52.68 Mbit/s
95th percentile per-packet one-way delay: 66.906 ms
Loss rate: 43.31%

Run 5: Report of Verus — Data Link

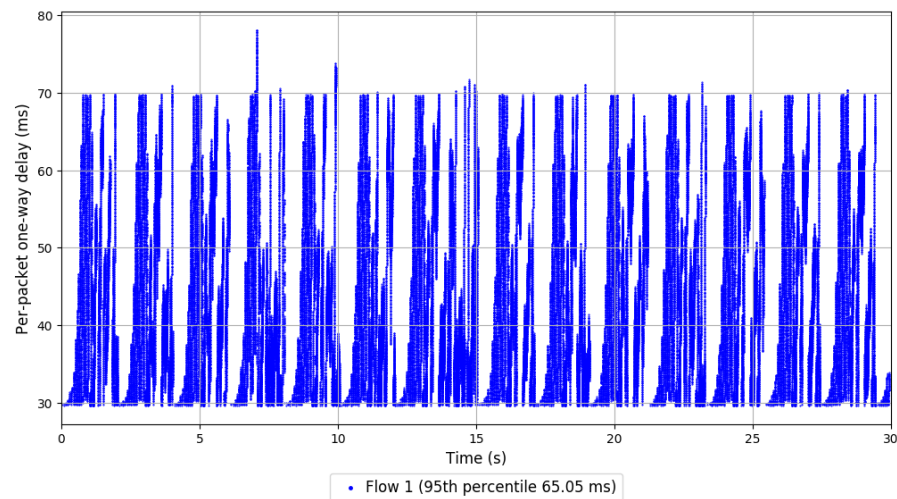
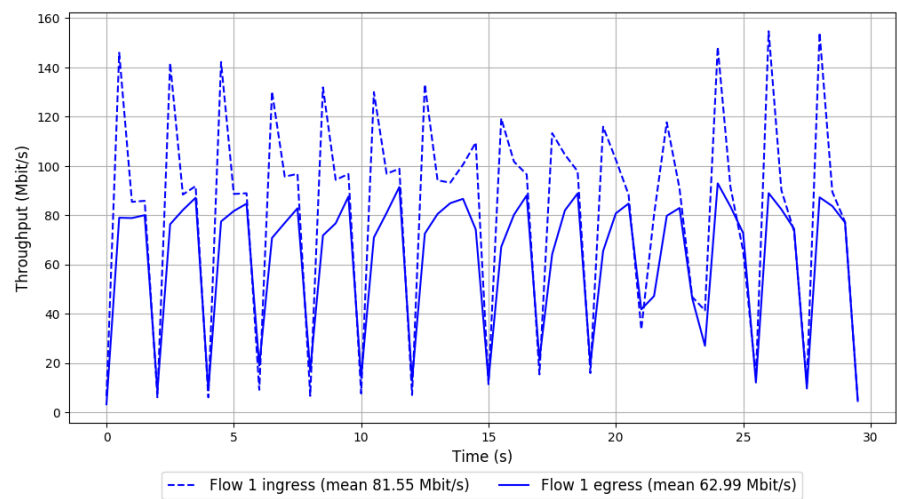


Run 6: Statistics of Verus

Start at: 2018-04-17 07:52:21
End at: 2018-04-17 07:52:51
Local clock offset: 0.151 ms
Remote clock offset: -1.933 ms

Below is generated by plot.py at 2018-04-17 10:10:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.99 Mbit/s
95th percentile per-packet one-way delay: 65.045 ms
Loss rate: 22.74%
-- Flow 1:
Average throughput: 62.99 Mbit/s
95th percentile per-packet one-way delay: 65.045 ms
Loss rate: 22.74%

Run 6: Report of Verus — Data Link

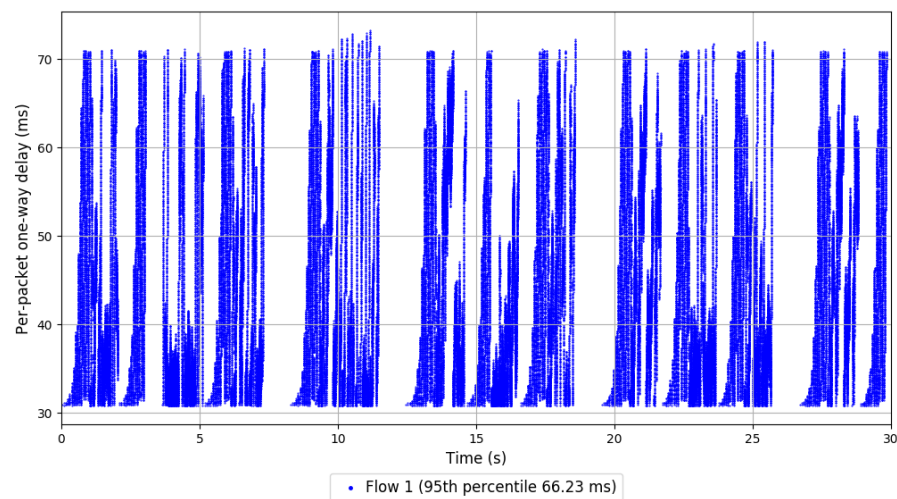
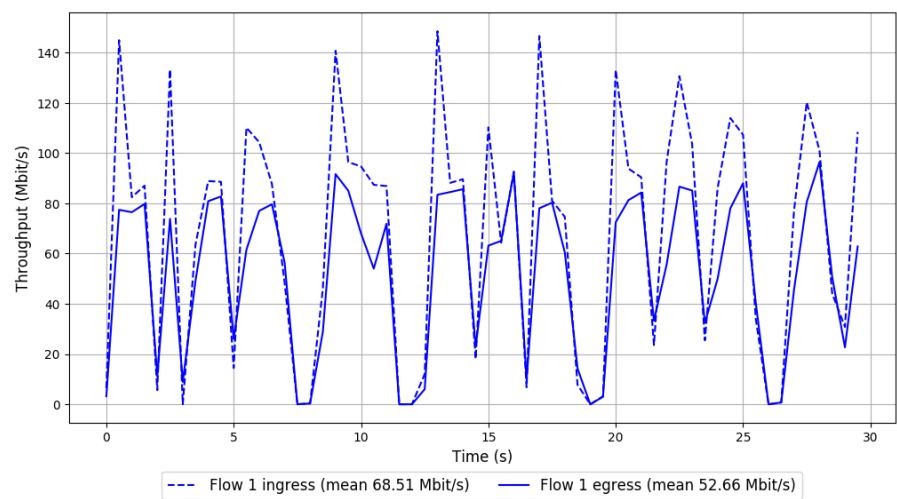


Run 7: Statistics of Verus

Start at: 2018-04-17 08:15:38
End at: 2018-04-17 08:16:08
Local clock offset: -0.033 ms
Remote clock offset: -0.758 ms

Below is generated by plot.py at 2018-04-17 10:10:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 52.66 Mbit/s
95th percentile per-packet one-way delay: 66.233 ms
Loss rate: 23.11%
-- Flow 1:
Average throughput: 52.66 Mbit/s
95th percentile per-packet one-way delay: 66.233 ms
Loss rate: 23.11%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-04-17 08:38:32

End at: 2018-04-17 08:39:02

Local clock offset: -0.576 ms

Remote clock offset: -2.94 ms

Below is generated by plot.py at 2018-04-17 10:10:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.68 Mbit/s

95th percentile per-packet one-way delay: 65.701 ms

Loss rate: 22.78%

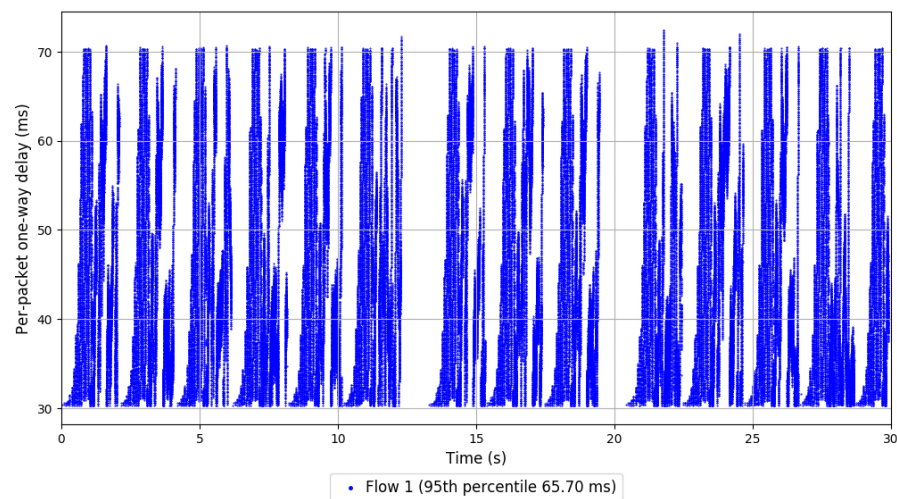
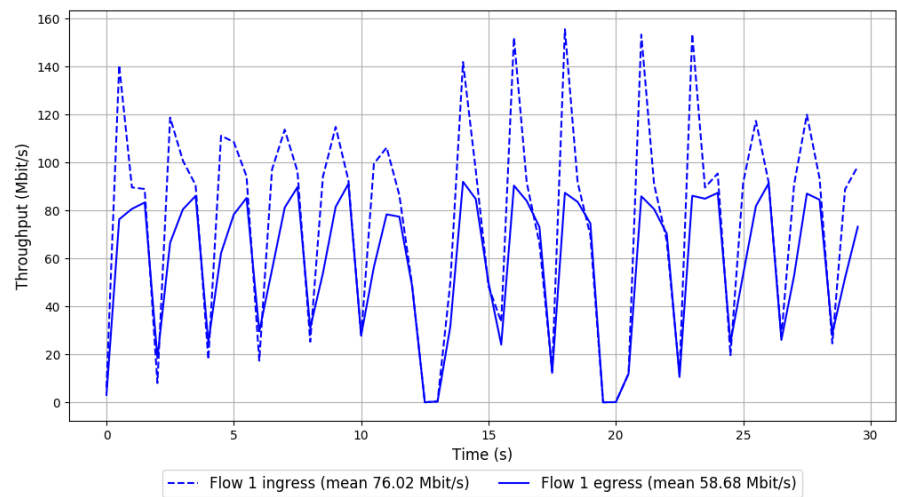
-- Flow 1:

Average throughput: 58.68 Mbit/s

95th percentile per-packet one-way delay: 65.701 ms

Loss rate: 22.78%

Run 8: Report of Verus — Data Link

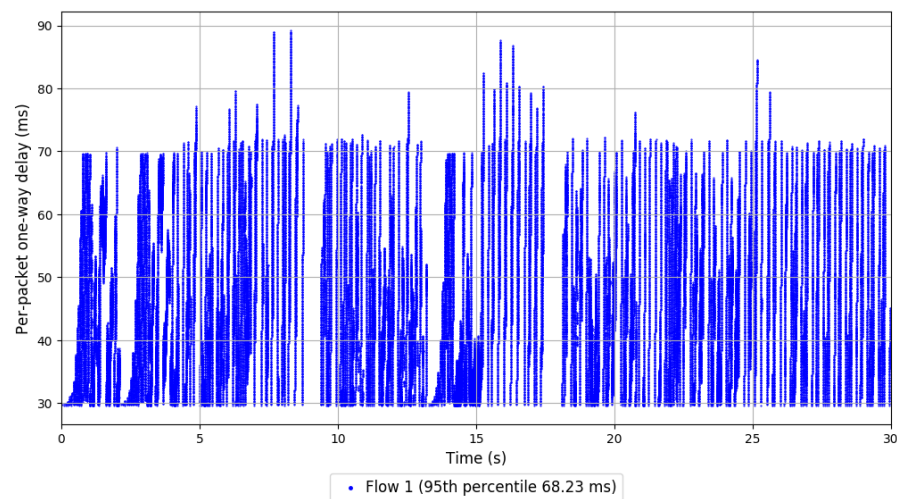
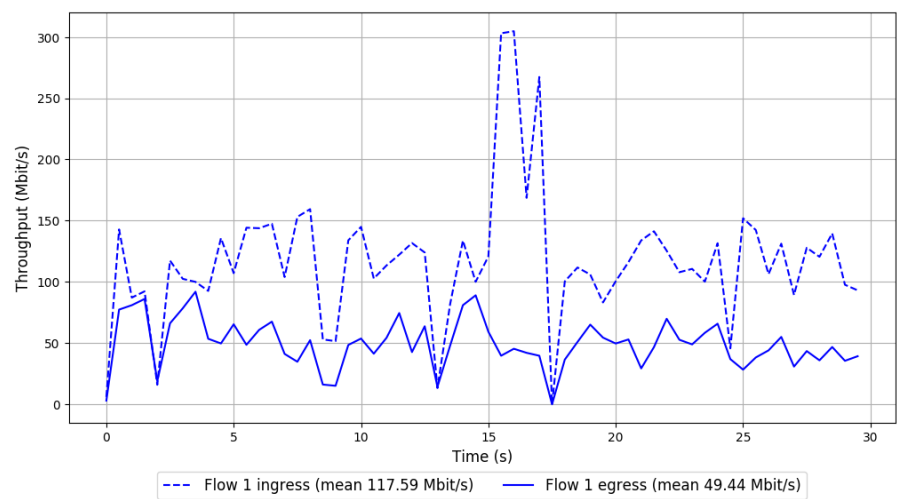


Run 9: Statistics of Verus

Start at: 2018-04-17 09:01:09
End at: 2018-04-17 09:01:39
Local clock offset: 0.116 ms
Remote clock offset: -2.133 ms

Below is generated by plot.py at 2018-04-17 10:10:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 49.44 Mbit/s
95th percentile per-packet one-way delay: 68.230 ms
Loss rate: 57.93%
-- Flow 1:
Average throughput: 49.44 Mbit/s
95th percentile per-packet one-way delay: 68.230 ms
Loss rate: 57.93%

Run 9: Report of Verus — Data Link

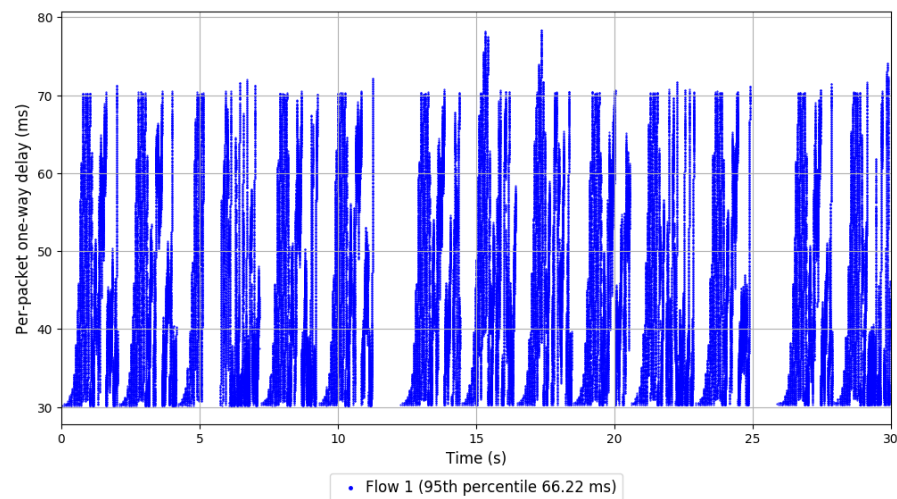
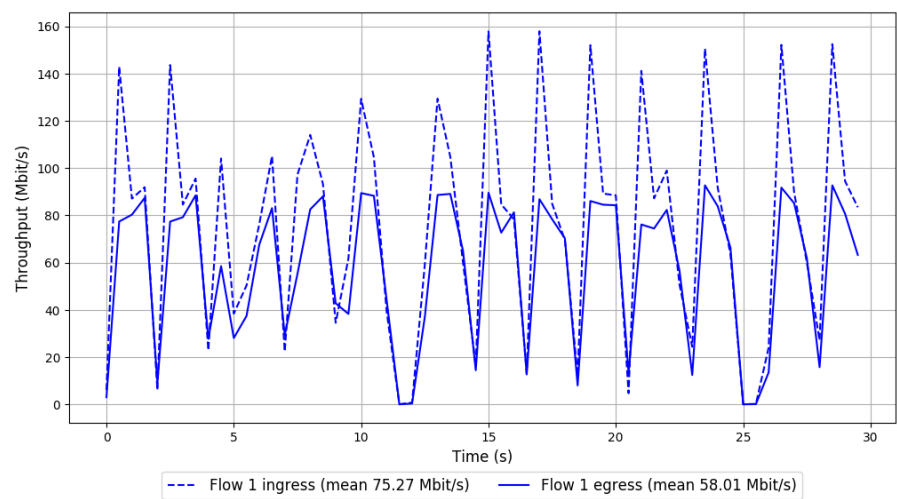


Run 10: Statistics of Verus

Start at: 2018-04-17 09:23:58
End at: 2018-04-17 09:24:28
Local clock offset: 0.704 ms
Remote clock offset: -0.222 ms

Below is generated by plot.py at 2018-04-17 10:10:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.01 Mbit/s
95th percentile per-packet one-way delay: 66.222 ms
Loss rate: 22.91%
-- Flow 1:
Average throughput: 58.01 Mbit/s
95th percentile per-packet one-way delay: 66.222 ms
Loss rate: 22.91%

Run 10: Report of Verus — Data Link

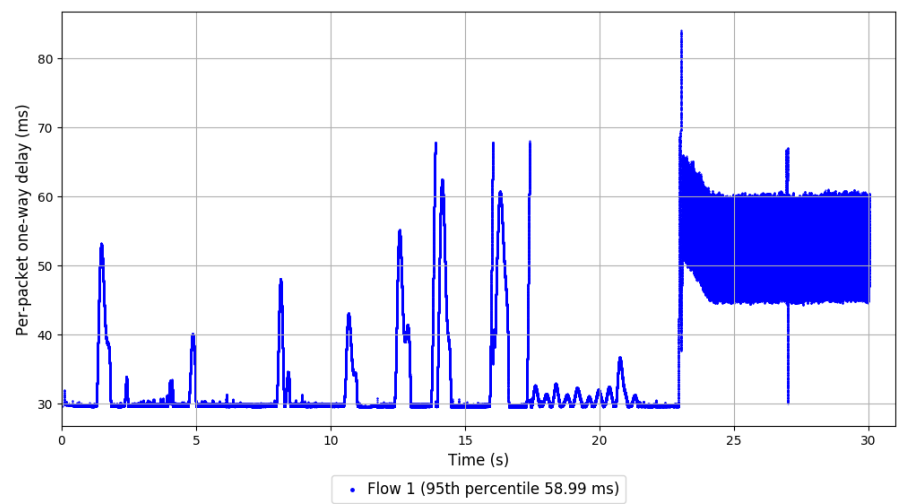
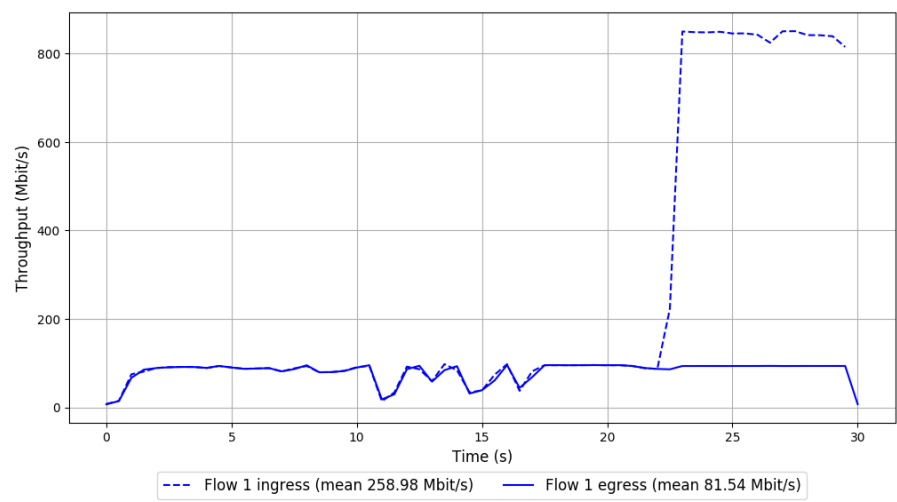


Run 1: Statistics of Copa

Start at: 2018-04-17 05:53:33
End at: 2018-04-17 05:54:03
Local clock offset: -4.665 ms
Remote clock offset: -2.035 ms

Below is generated by plot.py at 2018-04-17 10:13:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.54 Mbit/s
95th percentile per-packet one-way delay: 58.986 ms
Loss rate: 68.49%
-- Flow 1:
Average throughput: 81.54 Mbit/s
95th percentile per-packet one-way delay: 58.986 ms
Loss rate: 68.49%

Run 1: Report of Copa — Data Link

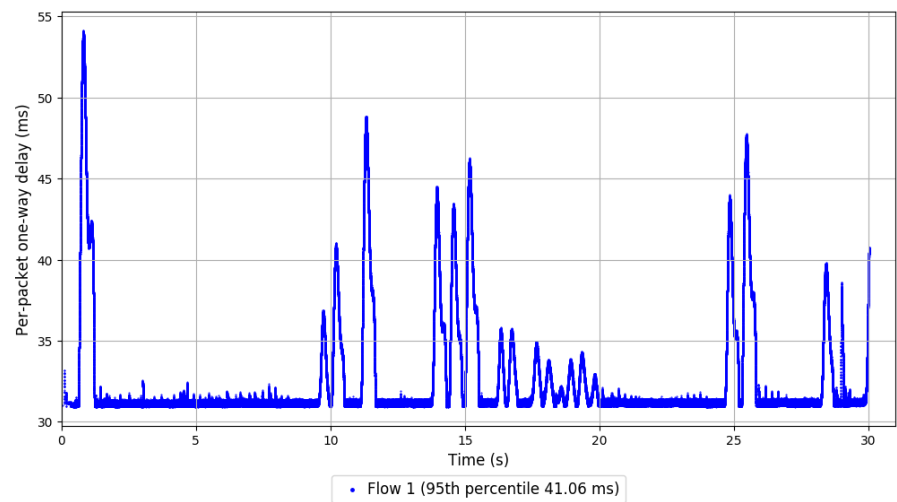
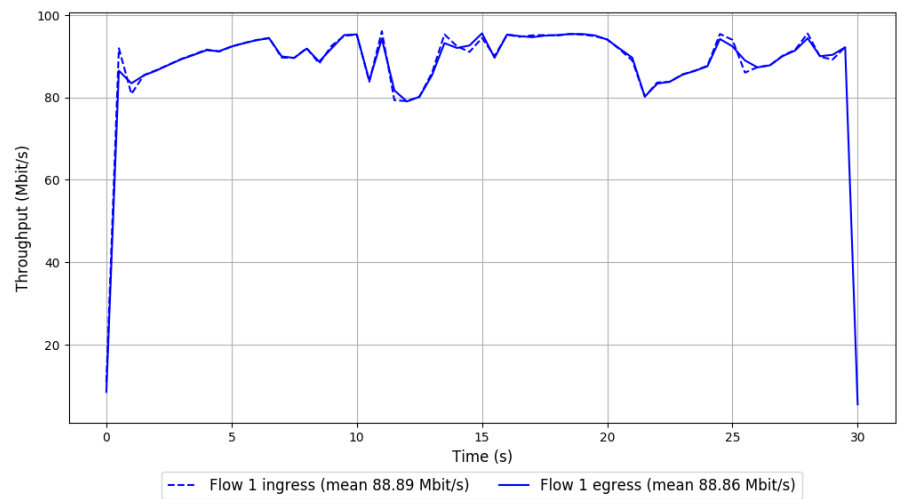


Run 2: Statistics of Copa

Start at: 2018-04-17 06:17:23
End at: 2018-04-17 06:17:53
Local clock offset: -0.897 ms
Remote clock offset: -1.829 ms

Below is generated by plot.py at 2018-04-17 10:13:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.86 Mbit/s
95th percentile per-packet one-way delay: 41.057 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.86 Mbit/s
95th percentile per-packet one-way delay: 41.057 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

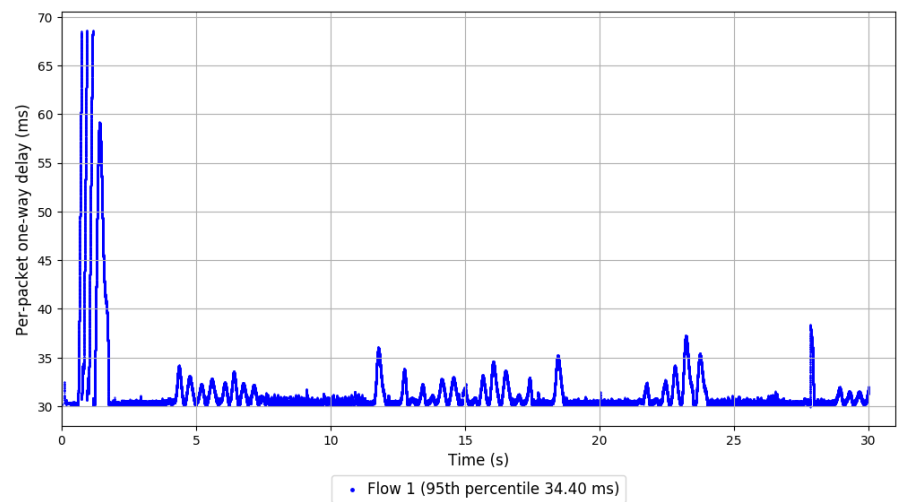
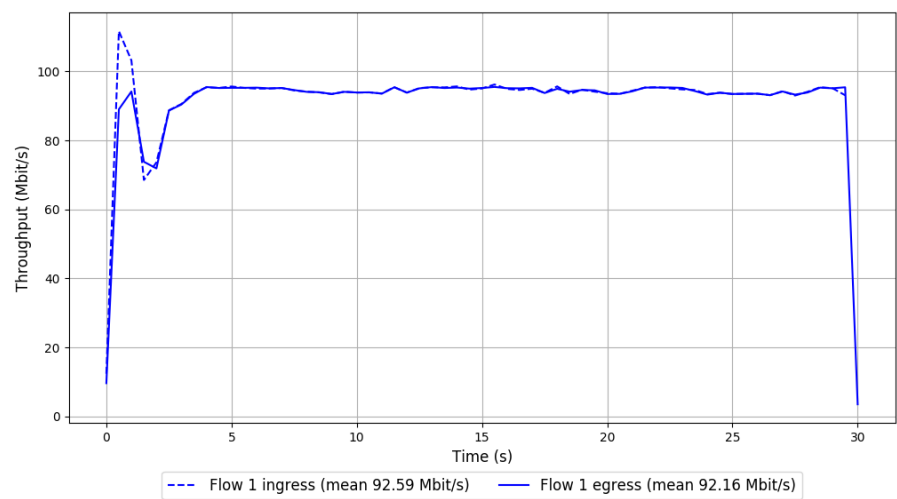


Run 3: Statistics of Copa

Start at: 2018-04-17 06:40:55
End at: 2018-04-17 06:41:25
Local clock offset: -0.169 ms
Remote clock offset: -1.789 ms

Below is generated by plot.py at 2018-04-17 10:13:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.16 Mbit/s
95th percentile per-packet one-way delay: 34.398 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 92.16 Mbit/s
95th percentile per-packet one-way delay: 34.398 ms
Loss rate: 0.46%

Run 3: Report of Copa — Data Link

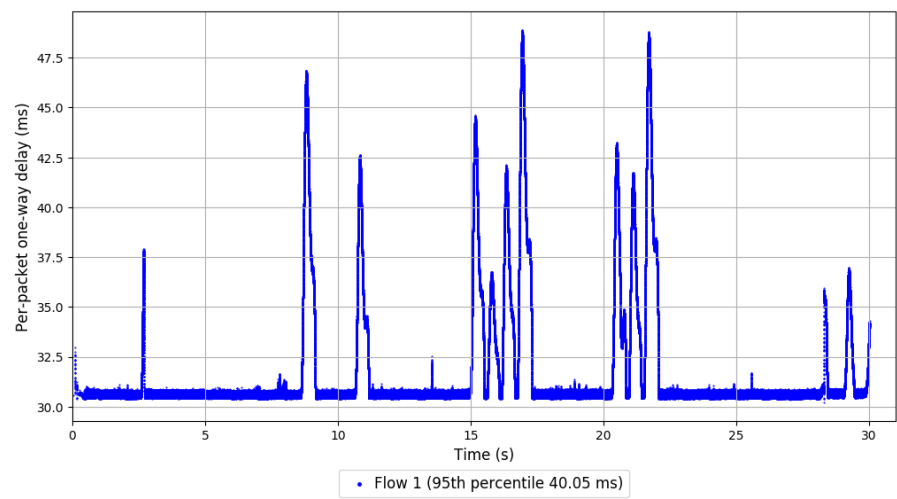
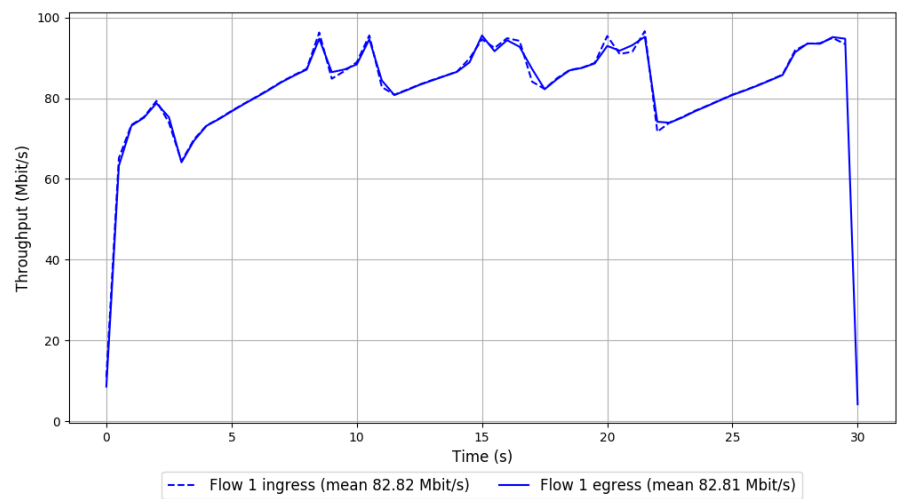


Run 4: Statistics of Copa

Start at: 2018-04-17 07:03:48
End at: 2018-04-17 07:04:18
Local clock offset: -0.039 ms
Remote clock offset: -1.107 ms

Below is generated by plot.py at 2018-04-17 10:13:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.81 Mbit/s
95th percentile per-packet one-way delay: 40.052 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.81 Mbit/s
95th percentile per-packet one-way delay: 40.052 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

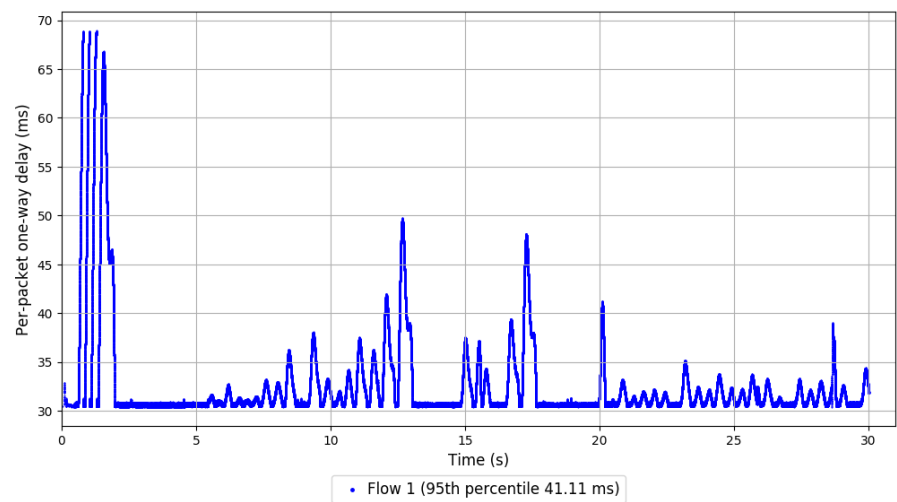
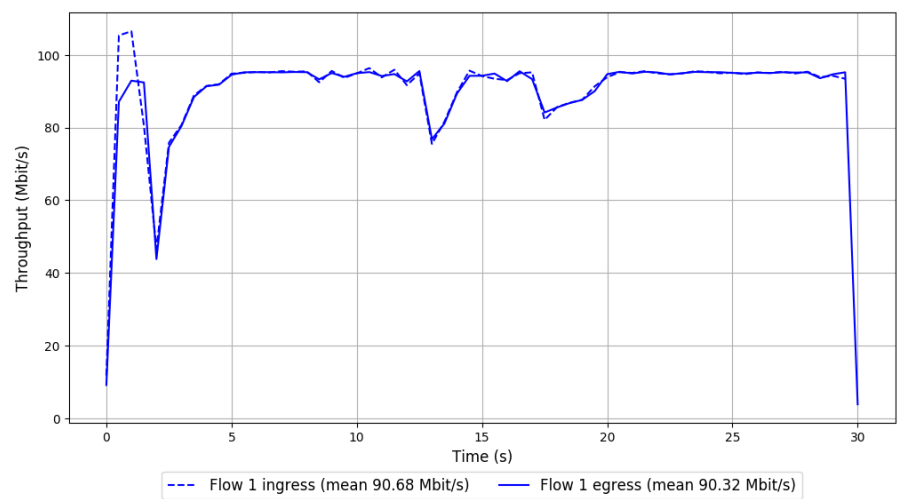


Run 5: Statistics of Copa

Start at: 2018-04-17 07:26:44
End at: 2018-04-17 07:27:14
Local clock offset: 0.507 ms
Remote clock offset: -1.869 ms

Below is generated by plot.py at 2018-04-17 10:13:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.32 Mbit/s
95th percentile per-packet one-way delay: 41.109 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 90.32 Mbit/s
95th percentile per-packet one-way delay: 41.109 ms
Loss rate: 0.40%

Run 5: Report of Copa — Data Link

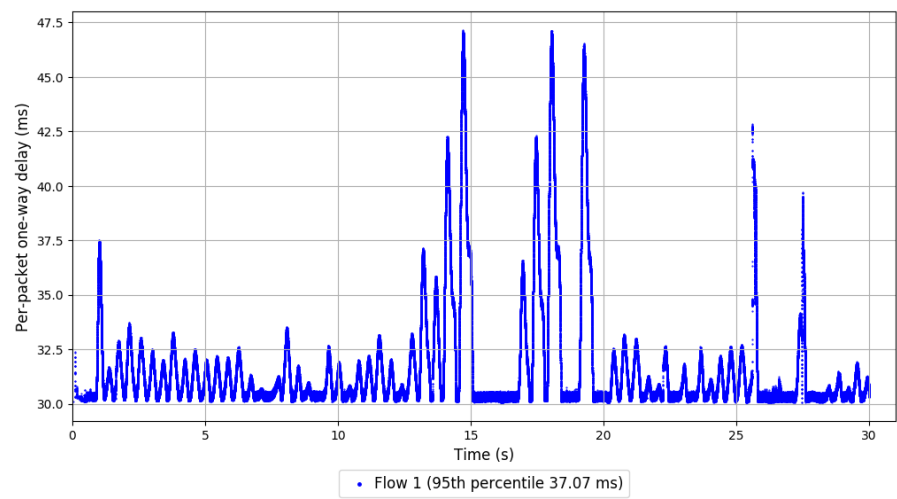
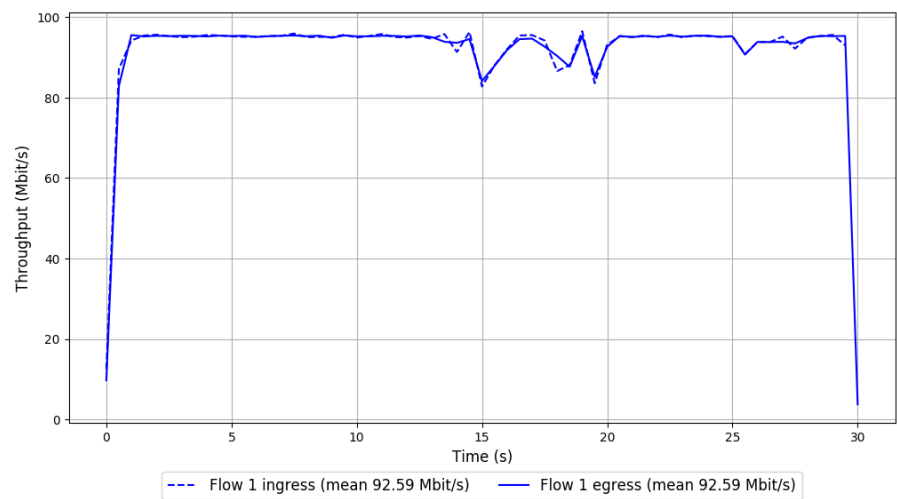


Run 6: Statistics of Copa

Start at: 2018-04-17 07:49:30
End at: 2018-04-17 07:50:00
Local clock offset: 0.199 ms
Remote clock offset: -1.793 ms

Below is generated by plot.py at 2018-04-17 10:13:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.59 Mbit/s
95th percentile per-packet one-way delay: 37.067 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 92.59 Mbit/s
95th percentile per-packet one-way delay: 37.067 ms
Loss rate: 0.01%

Run 6: Report of Copa — Data Link

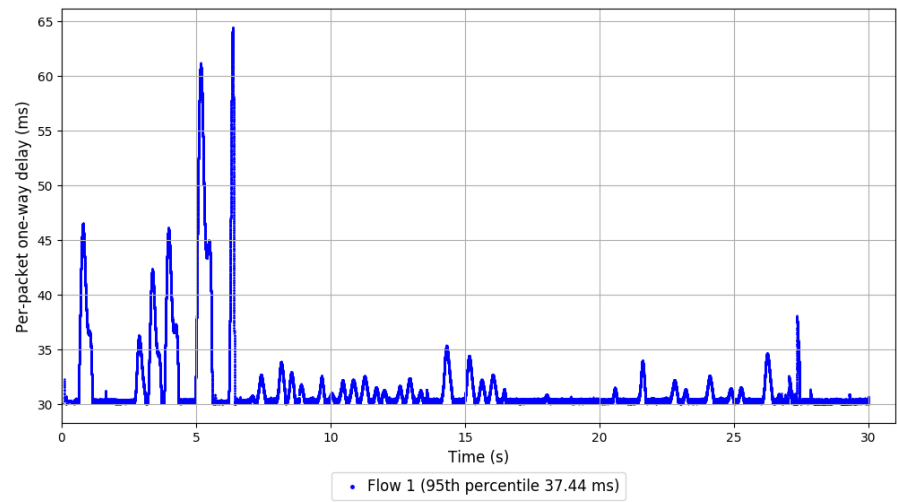
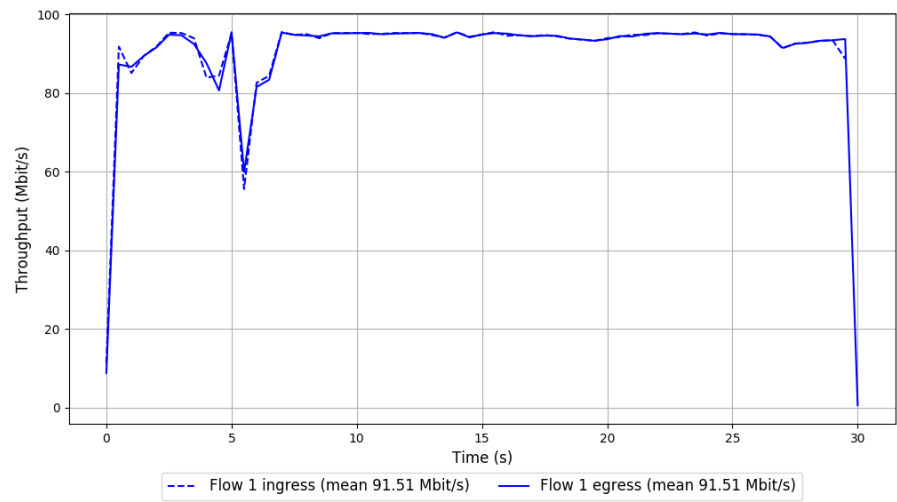


Run 7: Statistics of Copa

Start at: 2018-04-17 08:12:52
End at: 2018-04-17 08:13:22
Local clock offset: 0.088 ms
Remote clock offset: -0.832 ms

Below is generated by plot.py at 2018-04-17 10:13:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.51 Mbit/s
95th percentile per-packet one-way delay: 37.435 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.51 Mbit/s
95th percentile per-packet one-way delay: 37.435 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

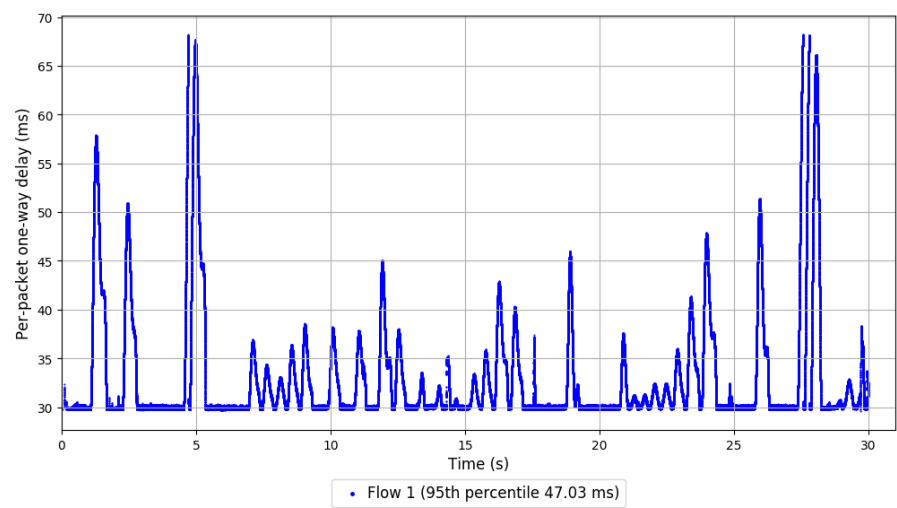
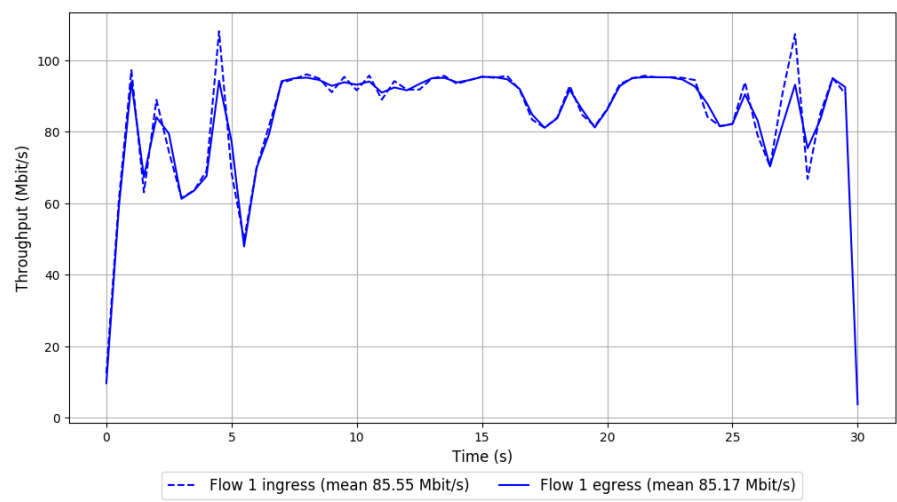


Run 8: Statistics of Copa

Start at: 2018-04-17 08:35:48
End at: 2018-04-17 08:36:18
Local clock offset: -0.64 ms
Remote clock offset: -2.805 ms

Below is generated by plot.py at 2018-04-17 10:13:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.17 Mbit/s
95th percentile per-packet one-way delay: 47.033 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 85.17 Mbit/s
95th percentile per-packet one-way delay: 47.033 ms
Loss rate: 0.44%

Run 8: Report of Copa — Data Link

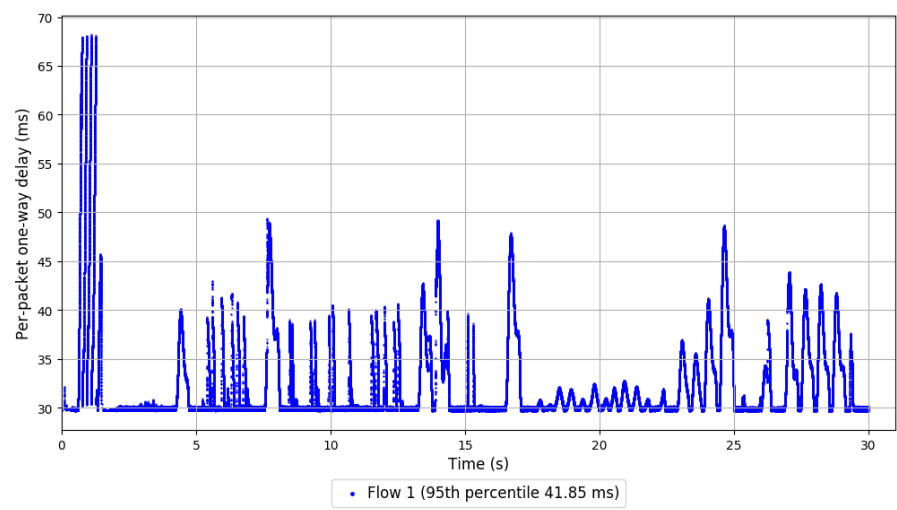
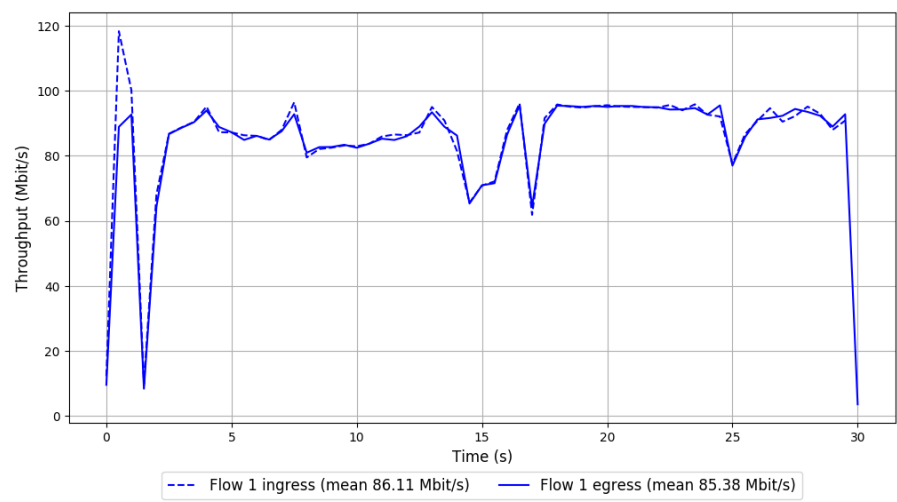


Run 9: Statistics of Copa

Start at: 2018-04-17 08:58:28
End at: 2018-04-17 08:58:58
Local clock offset: -0.07 ms
Remote clock offset: -2.567 ms

Below is generated by plot.py at 2018-04-17 10:14:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.38 Mbit/s
95th percentile per-packet one-way delay: 41.847 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 85.38 Mbit/s
95th percentile per-packet one-way delay: 41.847 ms
Loss rate: 0.85%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-04-17 09:21:16

End at: 2018-04-17 09:21:46

Local clock offset: 0.622 ms

Remote clock offset: -0.765 ms

Below is generated by plot.py at 2018-04-17 10:14:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.50 Mbit/s

95th percentile per-packet one-way delay: 38.558 ms

Loss rate: 0.09%

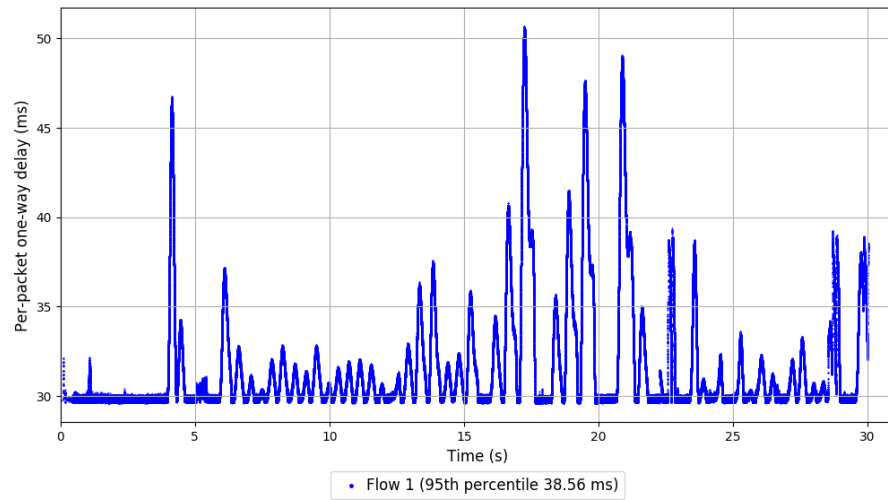
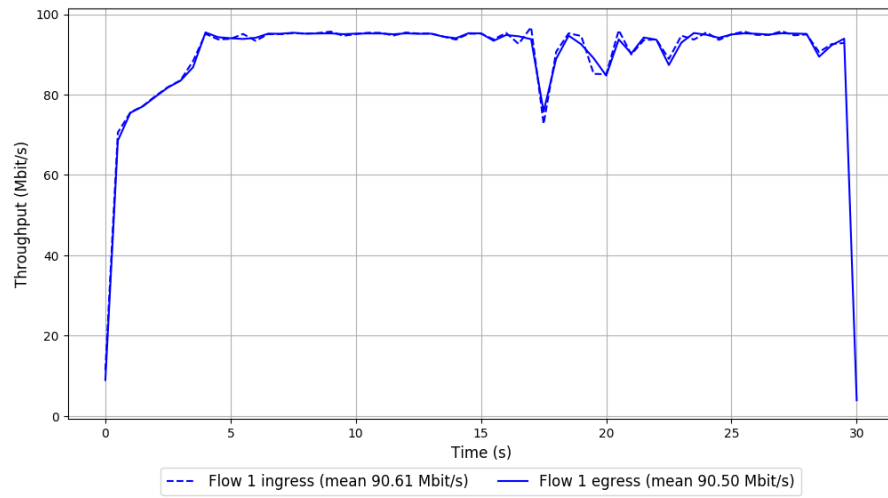
-- Flow 1:

Average throughput: 90.50 Mbit/s

95th percentile per-packet one-way delay: 38.558 ms

Loss rate: 0.09%

Run 10: Report of Copa — Data Link

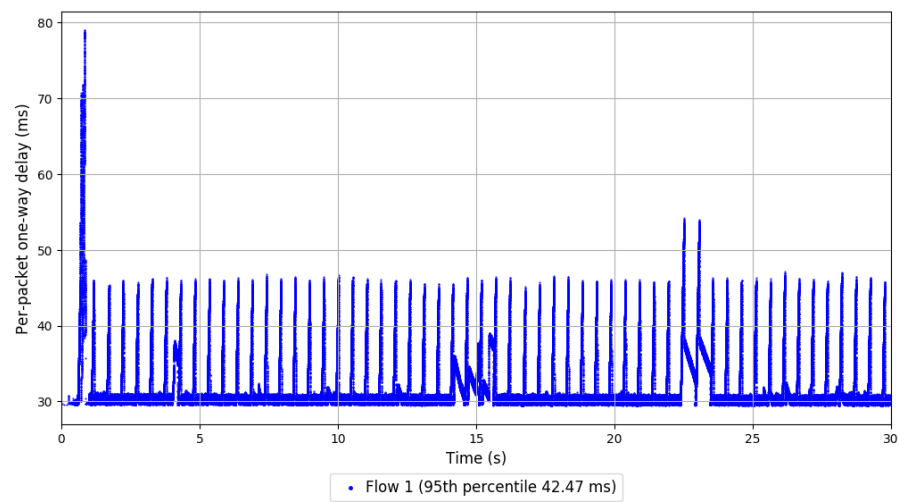
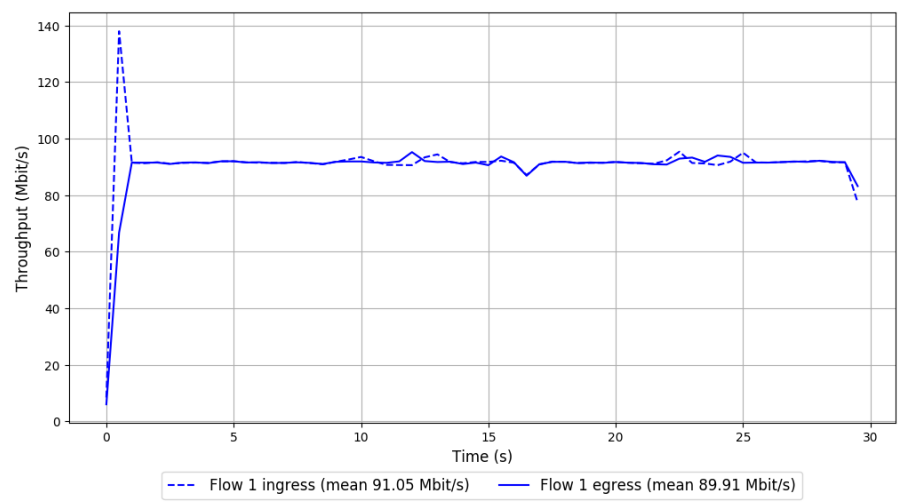


Run 1: Statistics of FillP

Start at: 2018-04-17 05:50:50
End at: 2018-04-17 05:51:20
Local clock offset: -4.128 ms
Remote clock offset: -1.999 ms

Below is generated by plot.py at 2018-04-17 10:14:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.91 Mbit/s
95th percentile per-packet one-way delay: 42.467 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 89.91 Mbit/s
95th percentile per-packet one-way delay: 42.467 ms
Loss rate: 1.24%

Run 1: Report of FillP — Data Link

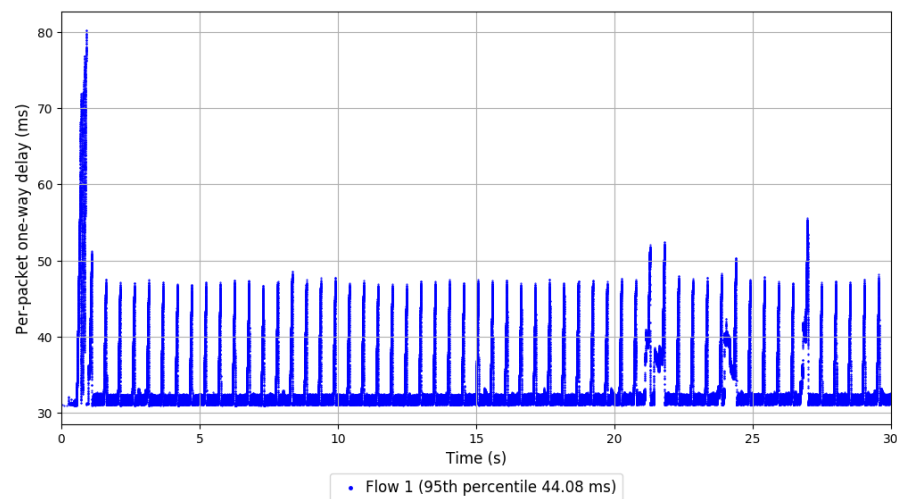
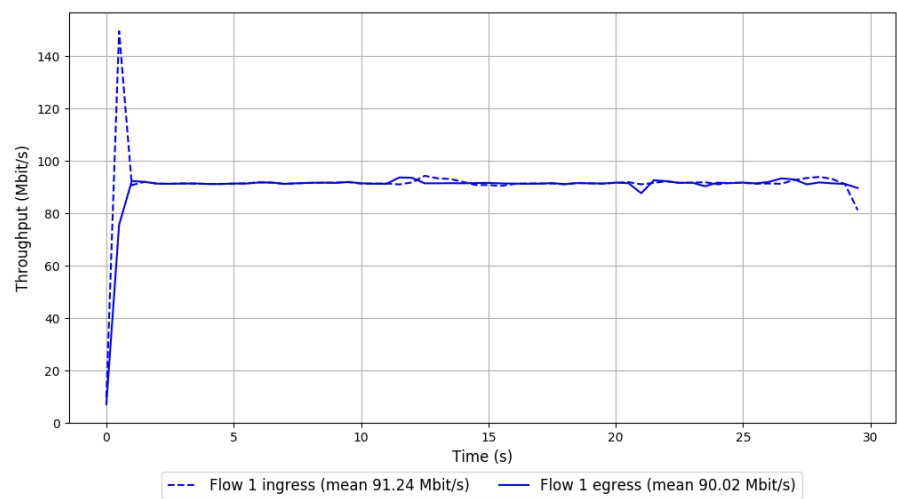


Run 2: Statistics of FillP

Start at: 2018-04-17 06:14:39
End at: 2018-04-17 06:15:09
Local clock offset: -1.129 ms
Remote clock offset: -1.712 ms

Below is generated by plot.py at 2018-04-17 10:14:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.02 Mbit/s
95th percentile per-packet one-way delay: 44.077 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 90.02 Mbit/s
95th percentile per-packet one-way delay: 44.077 ms
Loss rate: 1.34%

Run 2: Report of FillP — Data Link

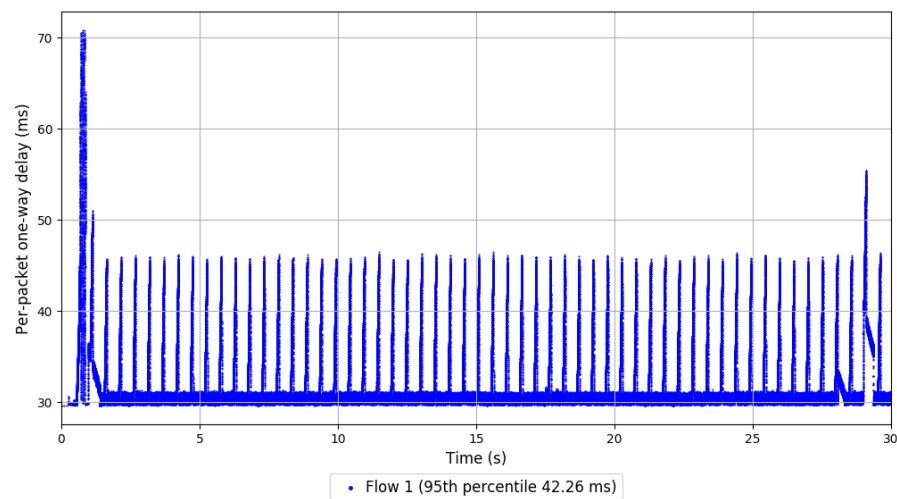
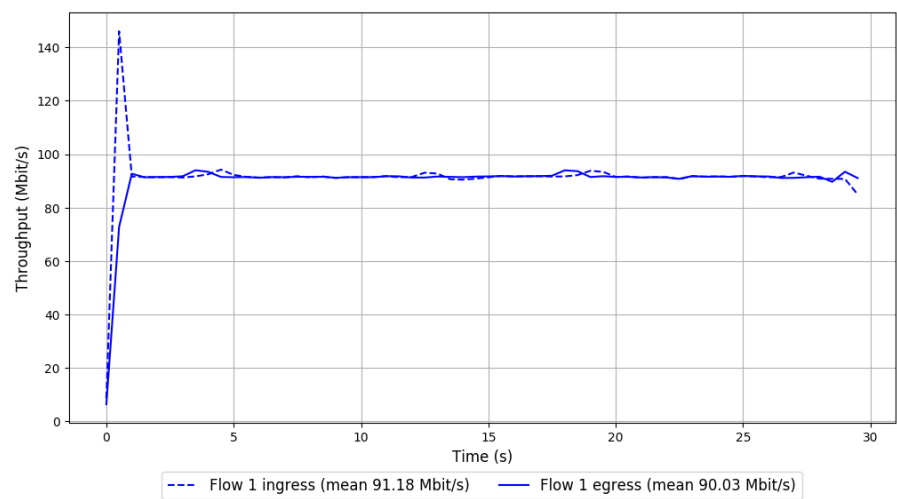


Run 3: Statistics of FillP

Start at: 2018-04-17 06:38:10
End at: 2018-04-17 06:38:40
Local clock offset: -0.279 ms
Remote clock offset: -2.504 ms

Below is generated by plot.py at 2018-04-17 10:14:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.03 Mbit/s
95th percentile per-packet one-way delay: 42.259 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 90.03 Mbit/s
95th percentile per-packet one-way delay: 42.259 ms
Loss rate: 1.26%

Run 3: Report of FillP — Data Link

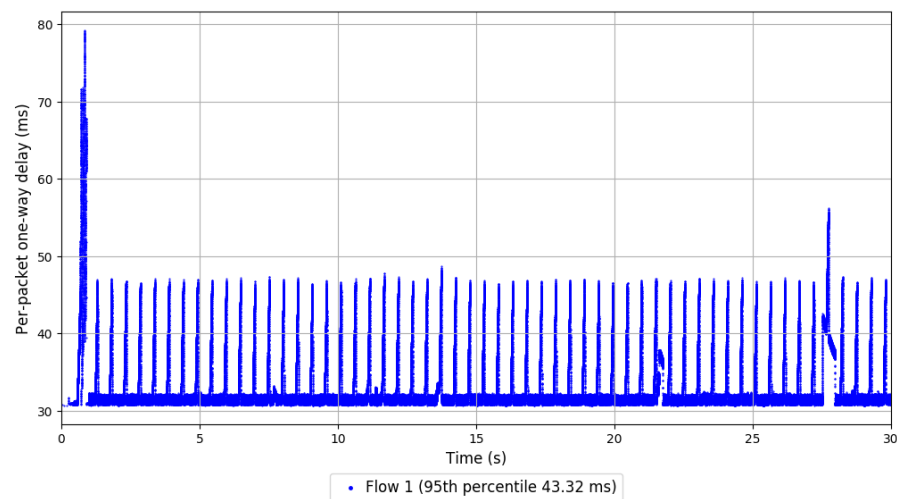
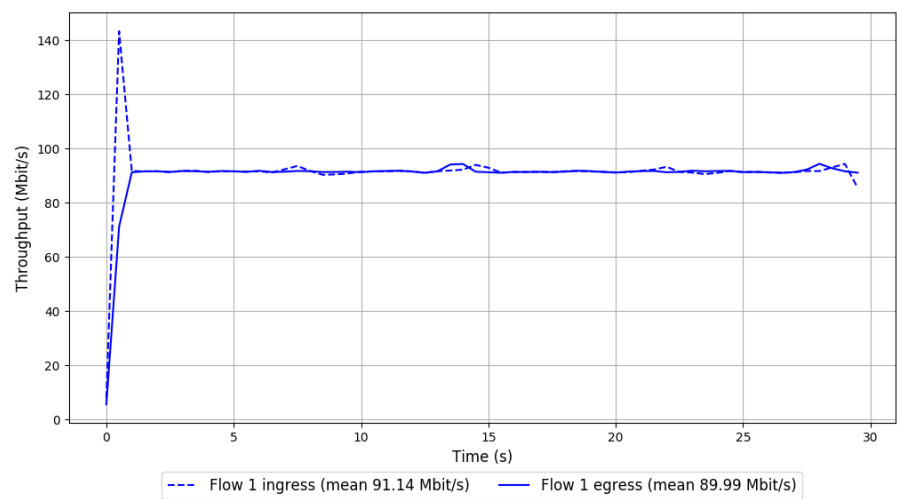


Run 4: Statistics of FillP

Start at: 2018-04-17 07:01:05
End at: 2018-04-17 07:01:35
Local clock offset: 0.056 ms
Remote clock offset: -0.719 ms

Below is generated by plot.py at 2018-04-17 10:14:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.99 Mbit/s
95th percentile per-packet one-way delay: 43.323 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 89.99 Mbit/s
95th percentile per-packet one-way delay: 43.323 ms
Loss rate: 1.26%

Run 4: Report of FillP — Data Link

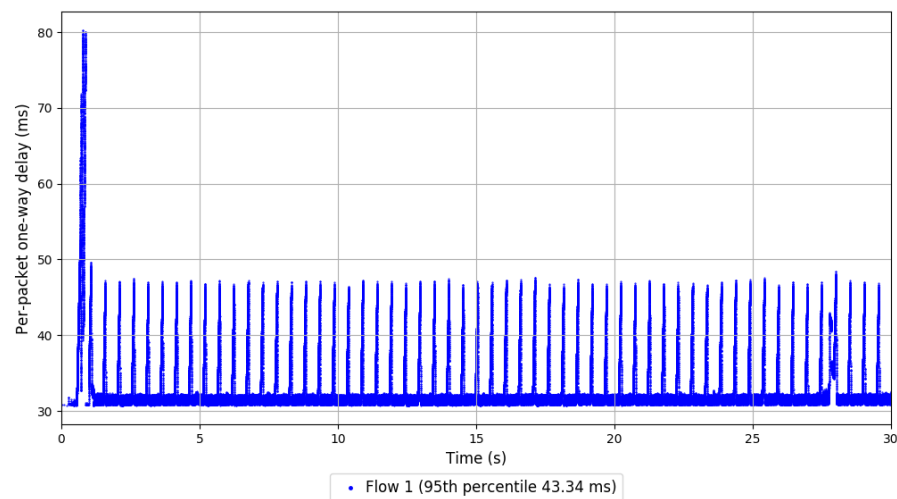
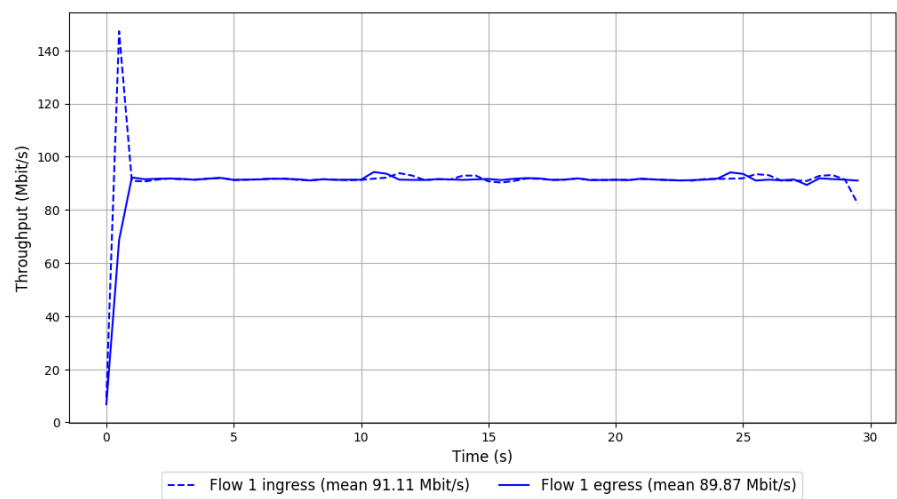


Run 5: Statistics of FillP

Start at: 2018-04-17 07:24:01
End at: 2018-04-17 07:24:31
Local clock offset: 0.474 ms
Remote clock offset: -1.341 ms

Below is generated by plot.py at 2018-04-17 10:14:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.87 Mbit/s
95th percentile per-packet one-way delay: 43.344 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 89.87 Mbit/s
95th percentile per-packet one-way delay: 43.344 ms
Loss rate: 1.35%

Run 5: Report of FillP — Data Link

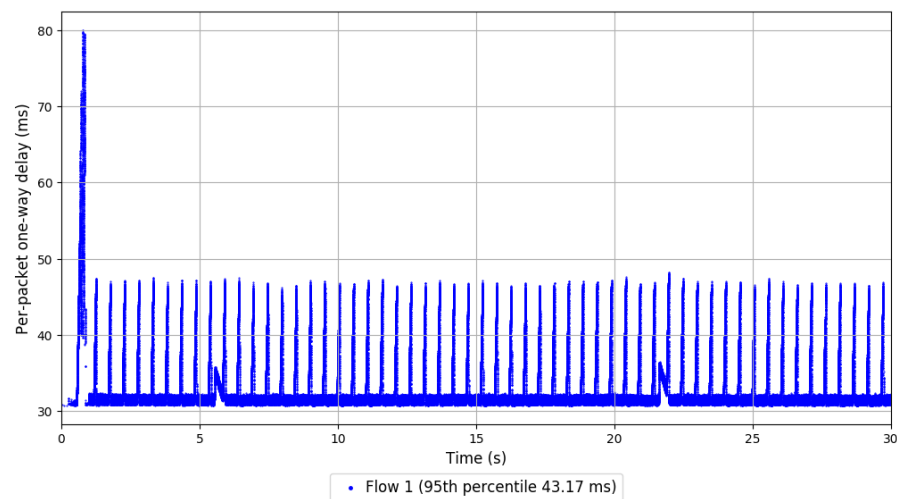
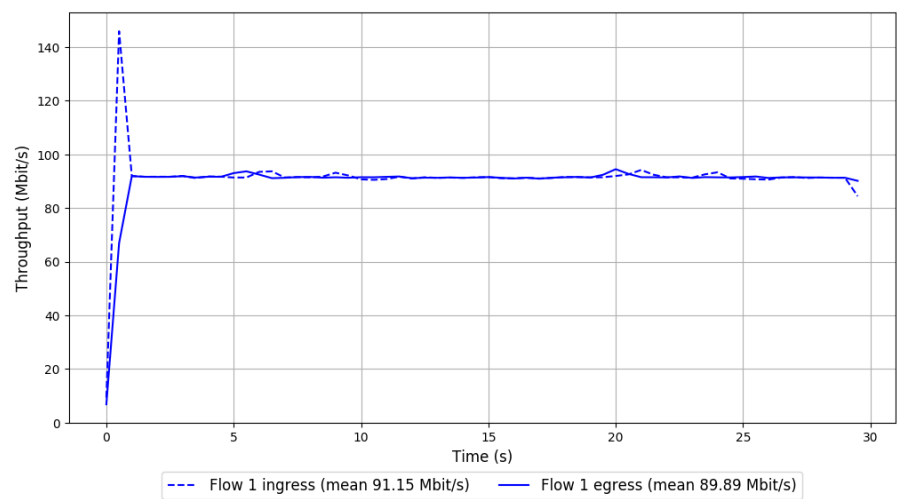


Run 6: Statistics of FillP

Start at: 2018-04-17 07:46:46
End at: 2018-04-17 07:47:16
Local clock offset: 0.336 ms
Remote clock offset: -2.046 ms

Below is generated by plot.py at 2018-04-17 10:14:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.89 Mbit/s
95th percentile per-packet one-way delay: 43.168 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 89.89 Mbit/s
95th percentile per-packet one-way delay: 43.168 ms
Loss rate: 1.39%

Run 6: Report of FillP — Data Link

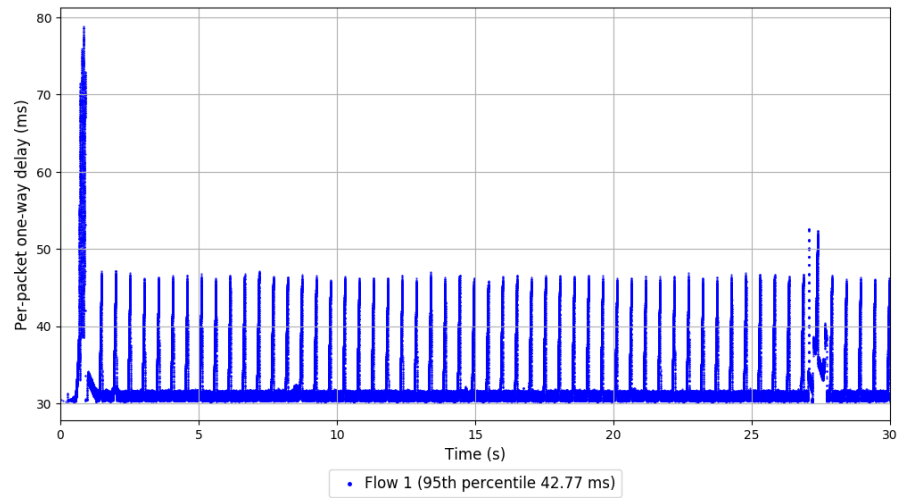
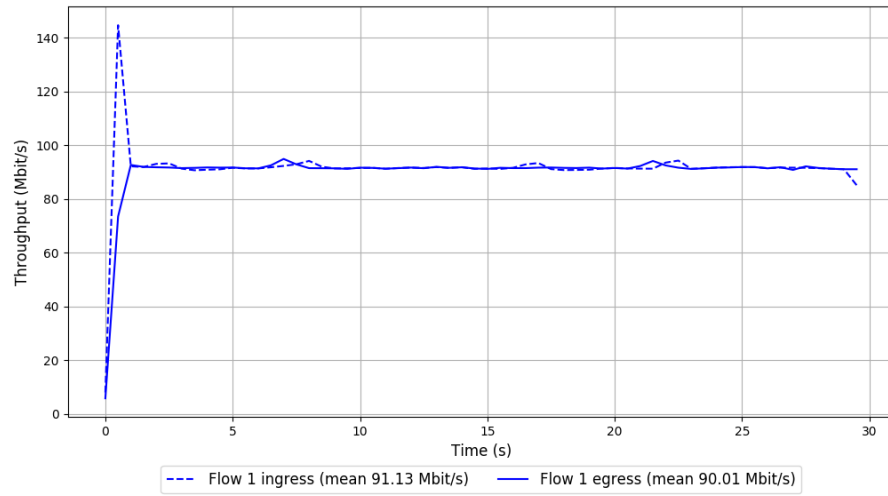


Run 7: Statistics of FillP

Start at: 2018-04-17 08:10:05
End at: 2018-04-17 08:10:35
Local clock offset: 0.126 ms
Remote clock offset: -1.301 ms

Below is generated by plot.py at 2018-04-17 10:15:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.01 Mbit/s
95th percentile per-packet one-way delay: 42.775 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 90.01 Mbit/s
95th percentile per-packet one-way delay: 42.775 ms
Loss rate: 1.23%

Run 7: Report of FillP — Data Link

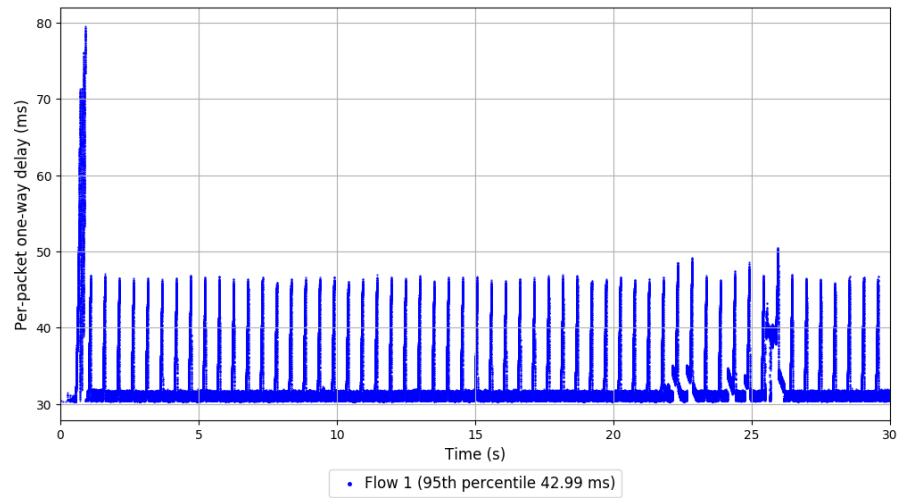
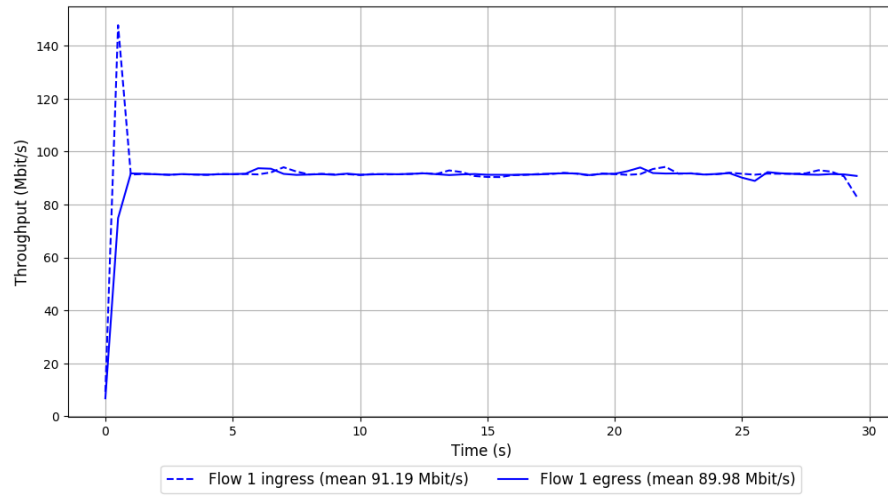


Run 8: Statistics of FillP

Start at: 2018-04-17 08:33:08
End at: 2018-04-17 08:33:38
Local clock offset: -0.511 ms
Remote clock offset: -2.642 ms

Below is generated by plot.py at 2018-04-17 10:15:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.98 Mbit/s
95th percentile per-packet one-way delay: 42.991 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 89.98 Mbit/s
95th percentile per-packet one-way delay: 42.991 ms
Loss rate: 1.33%

Run 8: Report of FillP — Data Link

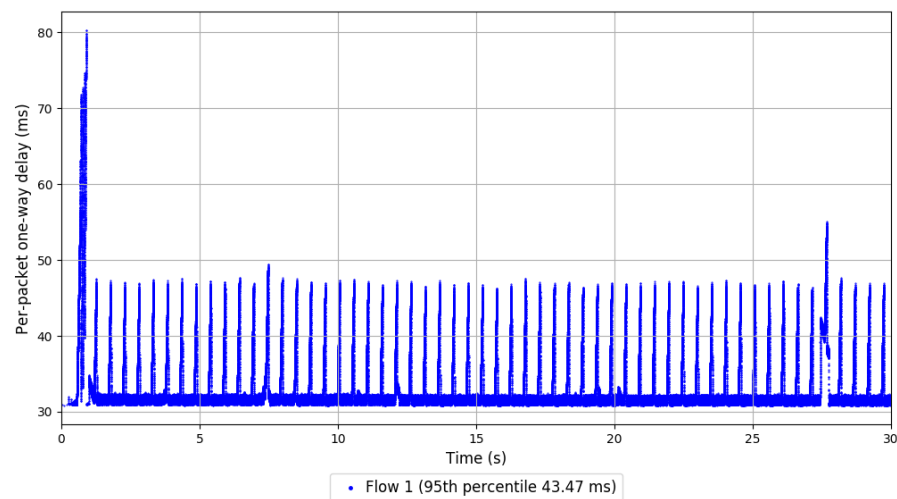
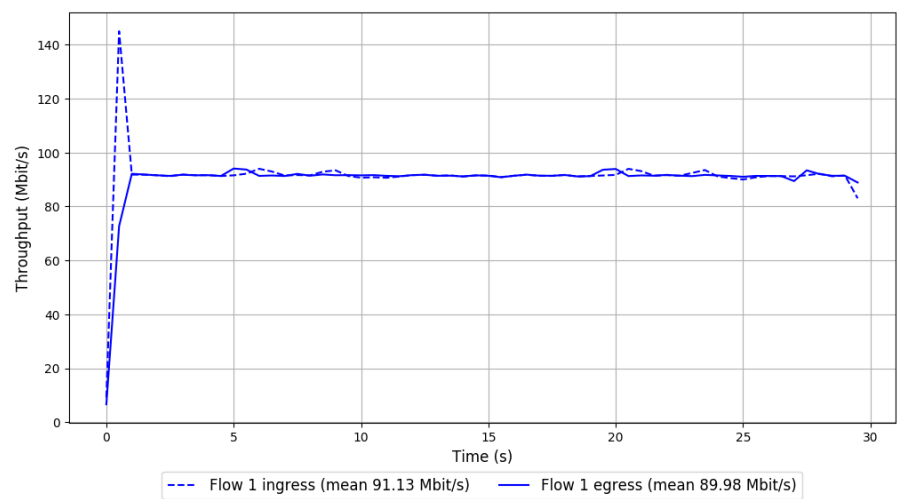


Run 9: Statistics of FillP

Start at: 2018-04-17 08:55:46
End at: 2018-04-17 08:56:16
Local clock offset: -0.242 ms
Remote clock offset: -2.633 ms

Below is generated by plot.py at 2018-04-17 10:15:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.98 Mbit/s
95th percentile per-packet one-way delay: 43.468 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 89.98 Mbit/s
95th percentile per-packet one-way delay: 43.468 ms
Loss rate: 1.26%

Run 9: Report of FillP — Data Link

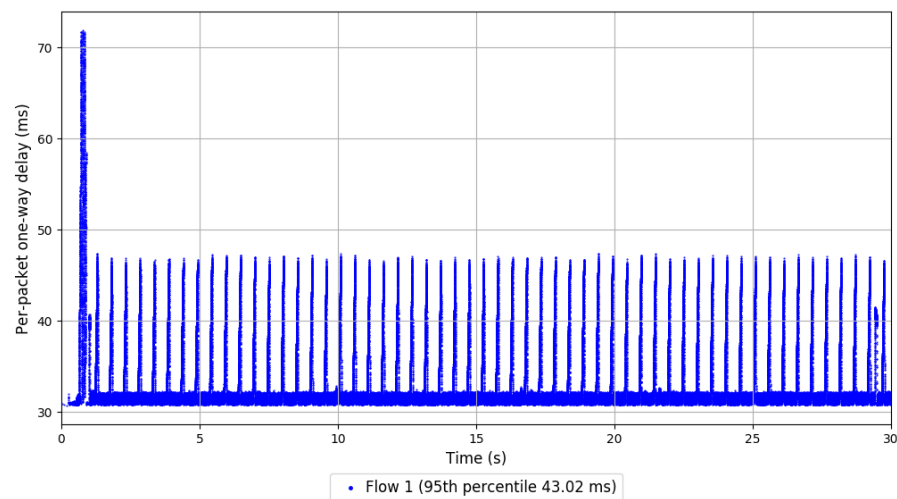
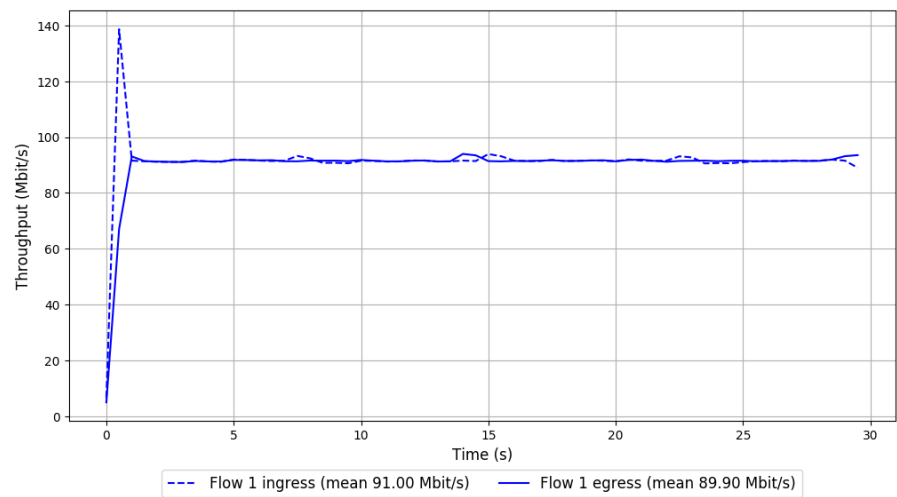


Run 10: Statistics of FillP

Start at: 2018-04-17 09:18:34
End at: 2018-04-17 09:19:04
Local clock offset: 0.548 ms
Remote clock offset: -0.413 ms

Below is generated by plot.py at 2018-04-17 10:15:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.90 Mbit/s
95th percentile per-packet one-way delay: 43.018 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 89.90 Mbit/s
95th percentile per-packet one-way delay: 43.018 ms
Loss rate: 1.20%

Run 10: Report of FillP — Data Link

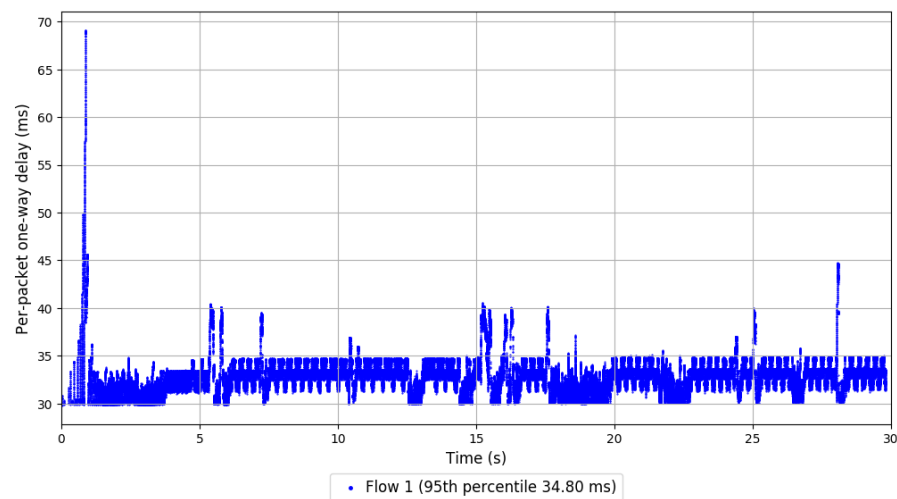
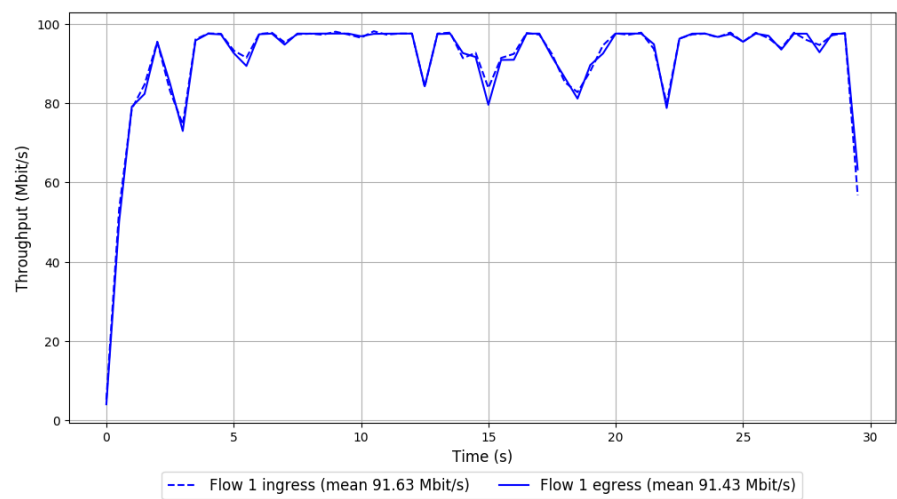


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-04-17 06:00:38
End at: 2018-04-17 06:01:08
Local clock offset: -4.714 ms
Remote clock offset: -2.13 ms

# Below is generated by plot.py at 2018-04-17 10:15:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.43 Mbit/s
95th percentile per-packet one-way delay: 34.801 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 91.43 Mbit/s
95th percentile per-packet one-way delay: 34.801 ms
Loss rate: 0.21%
```

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



Run 2: Statistics of Indigo-1-32

Start at: 2018-04-17 06:24:17

End at: 2018-04-17 06:24:47

Local clock offset: -0.735 ms

Remote clock offset: -2.35 ms

Below is generated by plot.py at 2018-04-17 10:15:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.95 Mbit/s

95th percentile per-packet one-way delay: 34.448 ms

Loss rate: 0.03%

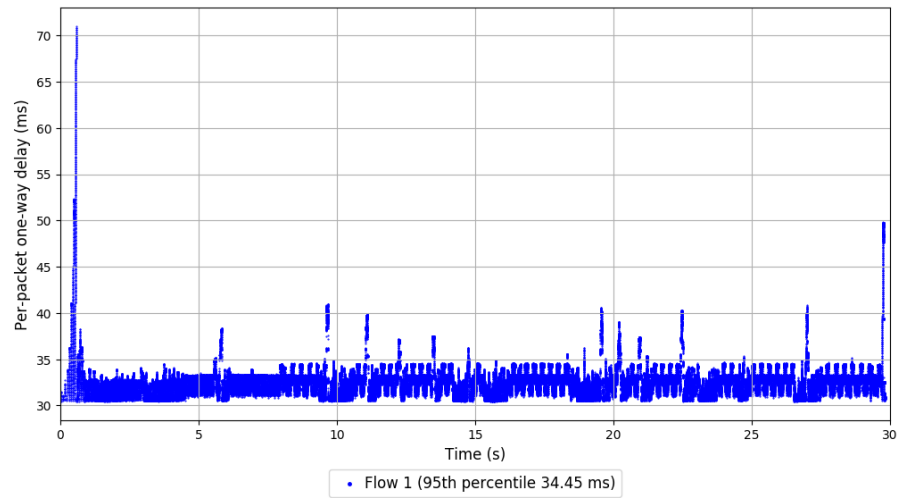
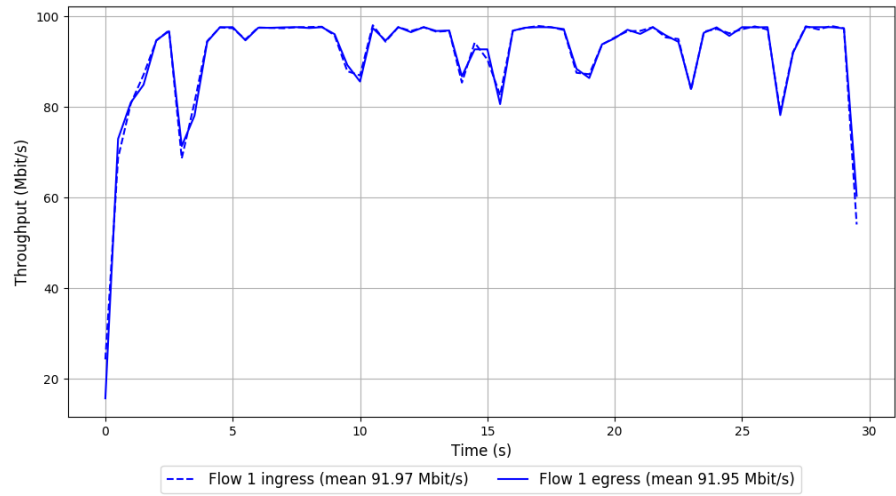
-- Flow 1:

Average throughput: 91.95 Mbit/s

95th percentile per-packet one-way delay: 34.448 ms

Loss rate: 0.03%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-04-17 06:47:37

End at: 2018-04-17 06:48:07

Local clock offset: 0.006 ms

Remote clock offset: -1.731 ms

Below is generated by plot.py at 2018-04-17 10:16:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.82 Mbit/s

95th percentile per-packet one-way delay: 33.295 ms

Loss rate: 0.06%

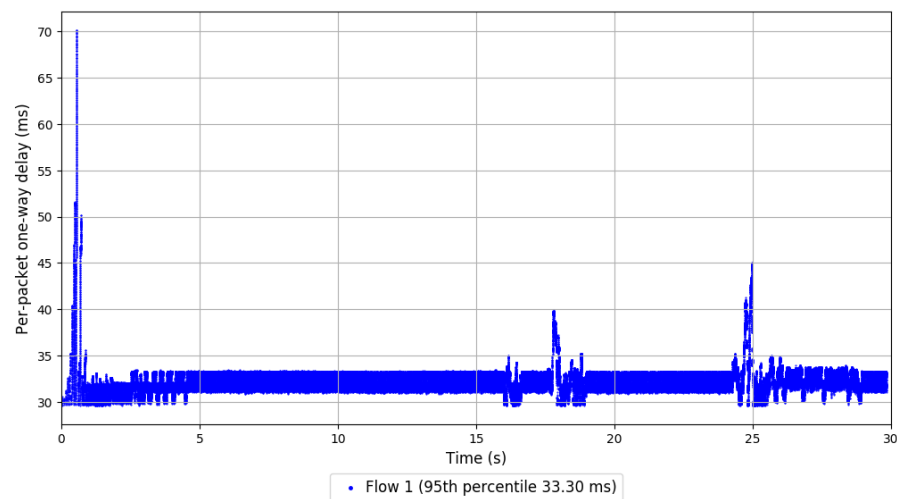
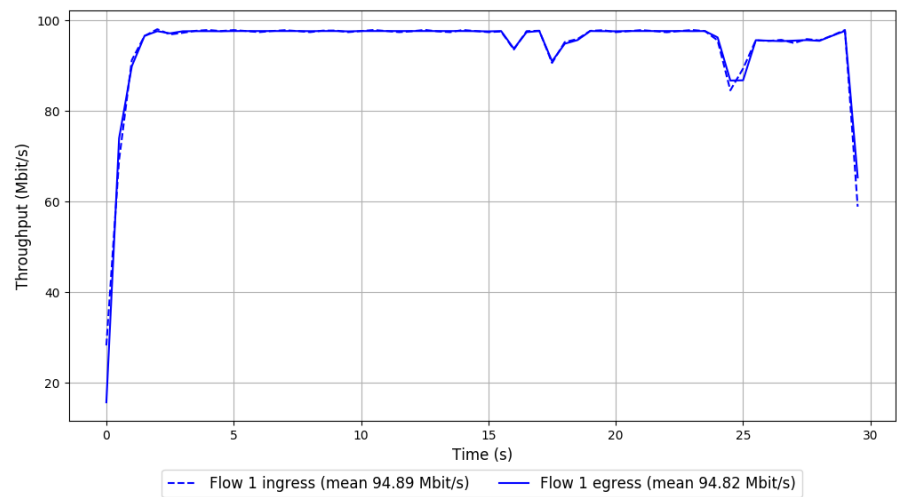
-- Flow 1:

Average throughput: 94.82 Mbit/s

95th percentile per-packet one-way delay: 33.295 ms

Loss rate: 0.06%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-04-17 07:10:36

End at: 2018-04-17 07:11:06

Local clock offset: 0.181 ms

Remote clock offset: -0.91 ms

Below is generated by plot.py at 2018-04-17 10:16:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.01 Mbit/s

95th percentile per-packet one-way delay: 34.291 ms

Loss rate: 0.08%

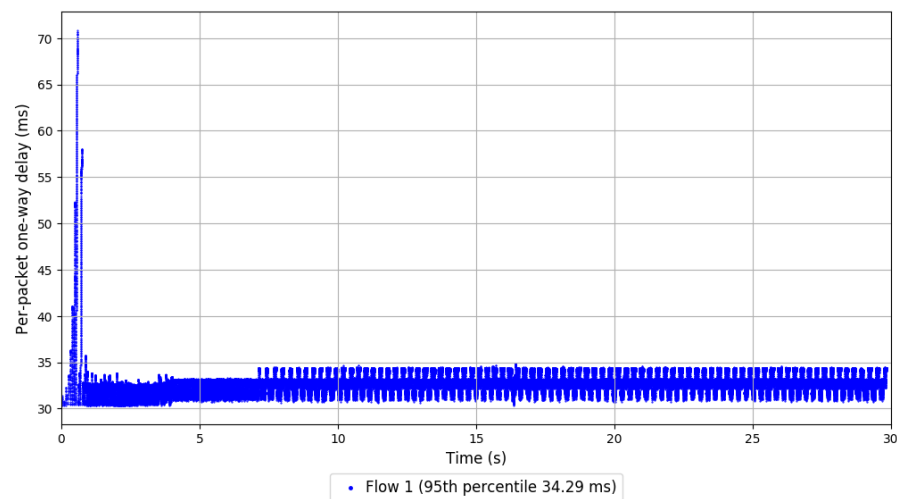
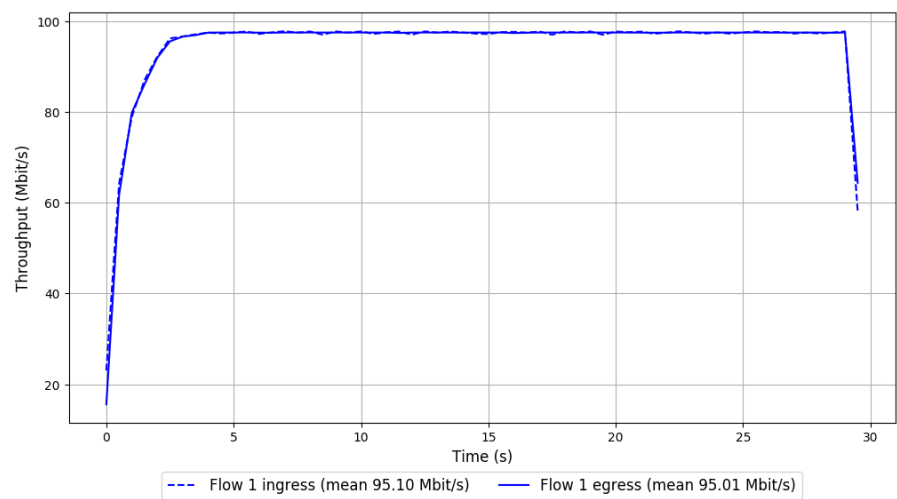
-- Flow 1:

Average throughput: 95.01 Mbit/s

95th percentile per-packet one-way delay: 34.291 ms

Loss rate: 0.08%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-04-17 07:33:26

End at: 2018-04-17 07:33:56

Local clock offset: 0.427 ms

Remote clock offset: -1.732 ms

Below is generated by plot.py at 2018-04-17 10:17:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.64 Mbit/s

95th percentile per-packet one-way delay: 34.974 ms

Loss rate: 0.01%

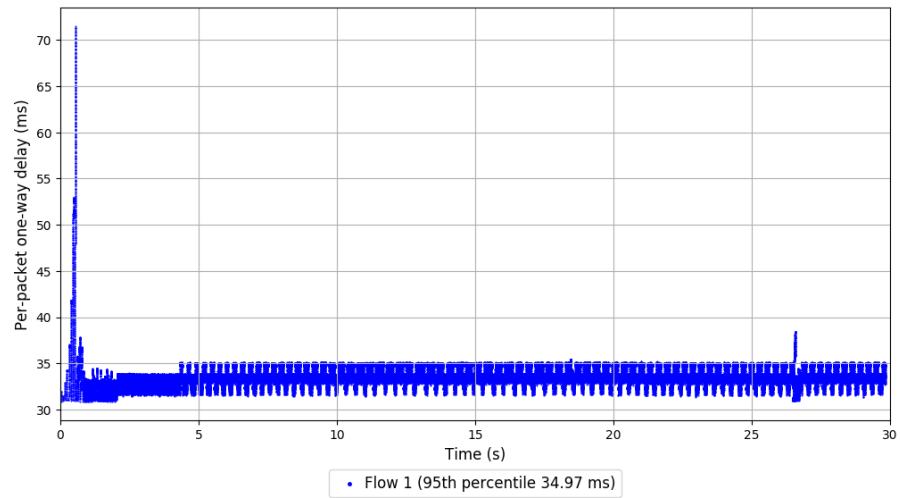
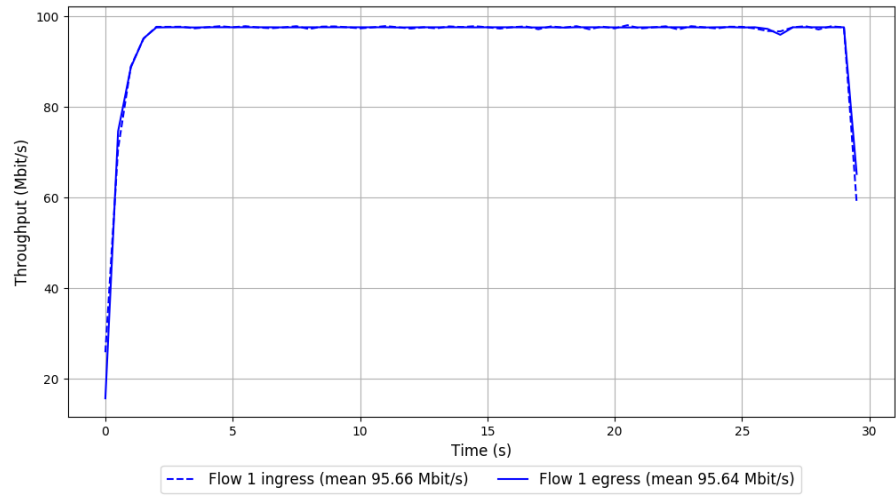
-- Flow 1:

Average throughput: 95.64 Mbit/s

95th percentile per-packet one-way delay: 34.974 ms

Loss rate: 0.01%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-04-17 07:56:25

End at: 2018-04-17 07:56:55

Local clock offset: 0.208 ms

Remote clock offset: -1.692 ms

Below is generated by plot.py at 2018-04-17 10:17:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.17 Mbit/s

95th percentile per-packet one-way delay: 33.200 ms

Loss rate: 0.13%

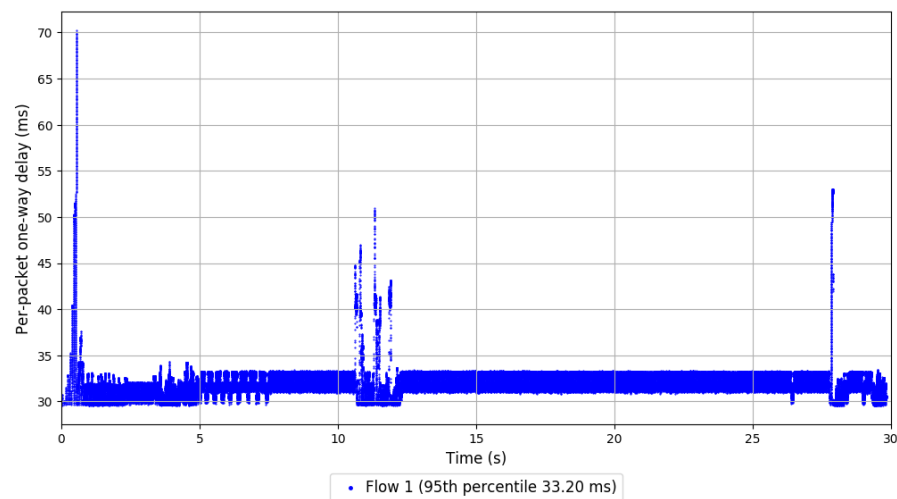
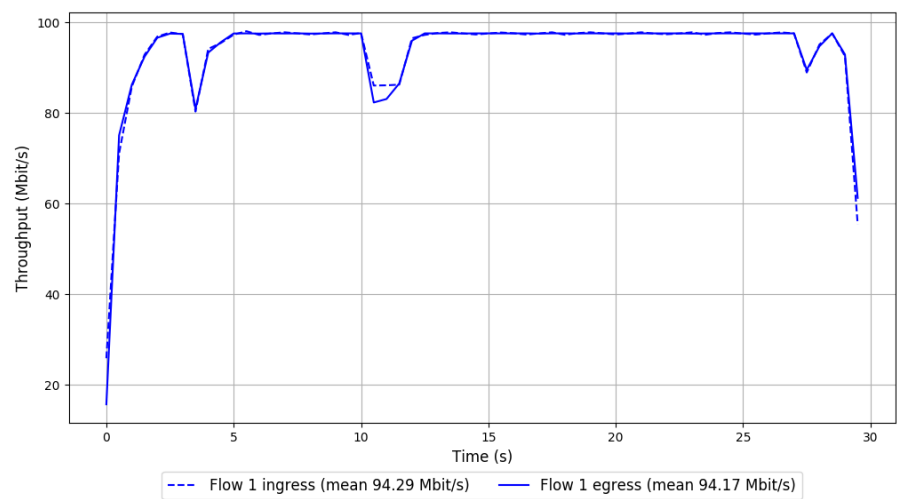
-- Flow 1:

Average throughput: 94.17 Mbit/s

95th percentile per-packet one-way delay: 33.200 ms

Loss rate: 0.13%

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

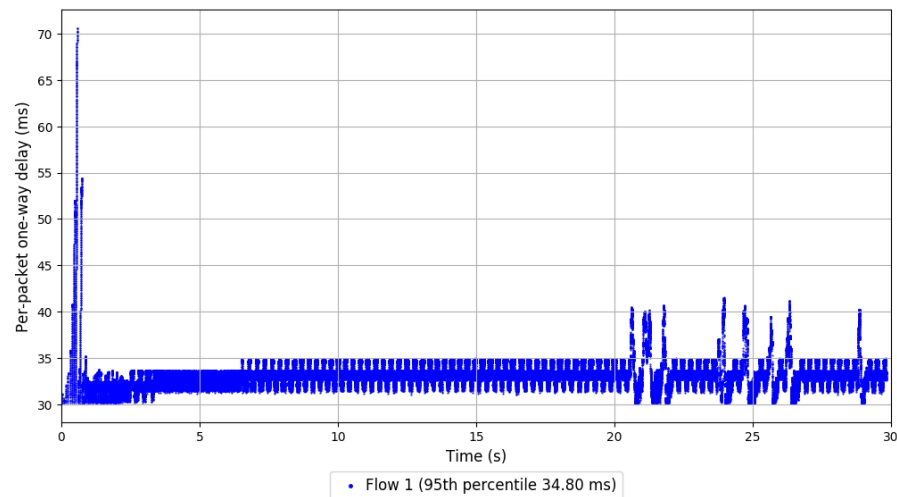
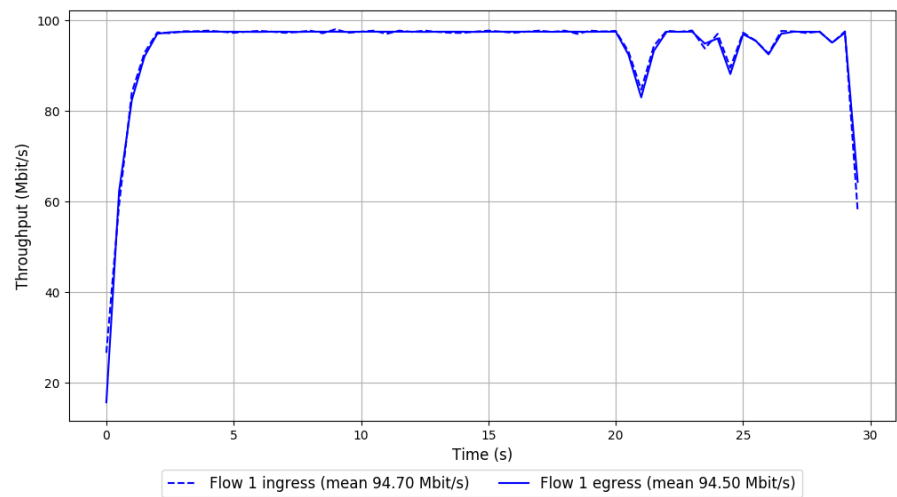


Run 7: Statistics of Indigo-1-32

Start at: 2018-04-17 08:19:39
End at: 2018-04-17 08:20:09
Local clock offset: -0.214 ms
Remote clock offset: -0.786 ms

Below is generated by plot.py at 2018-04-17 10:17:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.50 Mbit/s
95th percentile per-packet one-way delay: 34.795 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 94.50 Mbit/s
95th percentile per-packet one-way delay: 34.795 ms
Loss rate: 0.20%

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

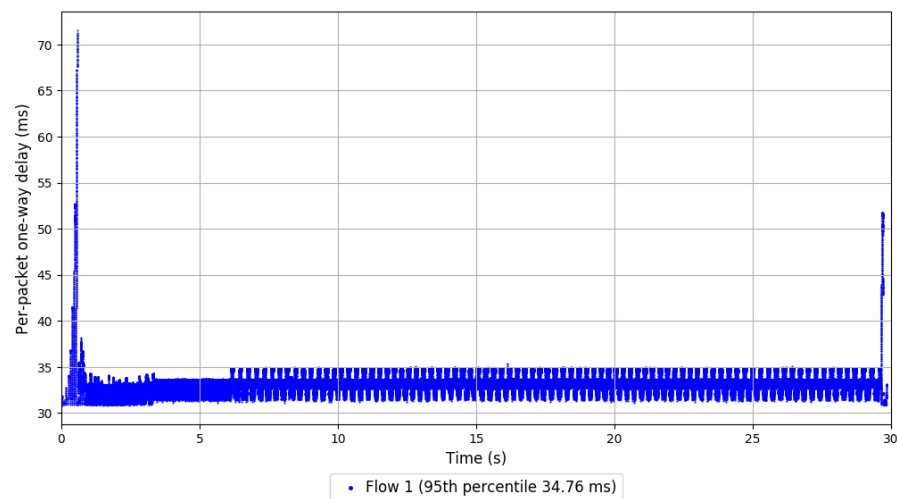
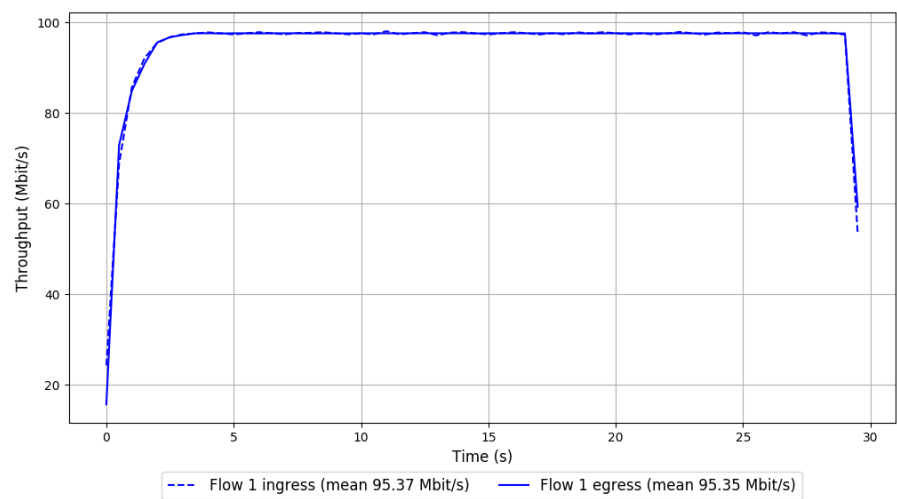


Run 8: Statistics of Indigo-1-32

Start at: 2018-04-17 08:42:29
End at: 2018-04-17 08:42:59
Local clock offset: -0.744 ms
Remote clock offset: -2.632 ms

Below is generated by plot.py at 2018-04-17 10:17:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.35 Mbit/s
95th percentile per-packet one-way delay: 34.757 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 95.35 Mbit/s
95th percentile per-packet one-way delay: 34.757 ms
Loss rate: 0.01%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-04-17 09:05:08

End at: 2018-04-17 09:05:38

Local clock offset: 0.277 ms

Remote clock offset: -1.26 ms

Below is generated by plot.py at 2018-04-17 10:17:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.44 Mbit/s

95th percentile per-packet one-way delay: 35.131 ms

Loss rate: 0.13%

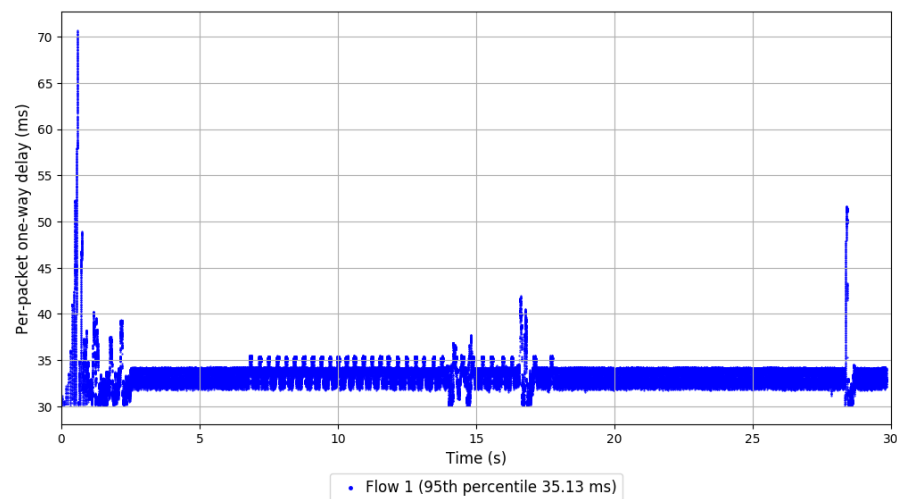
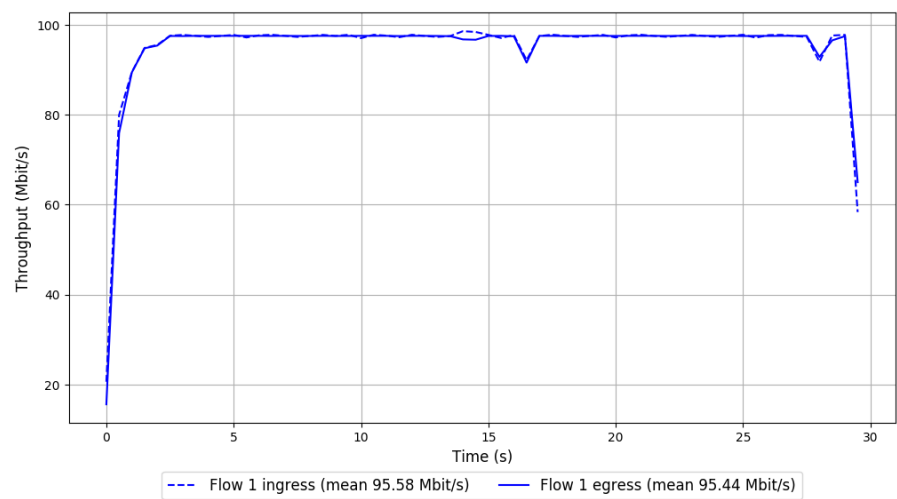
-- Flow 1:

Average throughput: 95.44 Mbit/s

95th percentile per-packet one-way delay: 35.131 ms

Loss rate: 0.13%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-04-17 09:27:57

End at: 2018-04-17 09:28:27

Local clock offset: 1.694 ms

Remote clock offset: -0.585 ms

Below is generated by plot.py at 2018-04-17 10:17:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.89 Mbit/s

95th percentile per-packet one-way delay: 34.531 ms

Loss rate: 0.03%

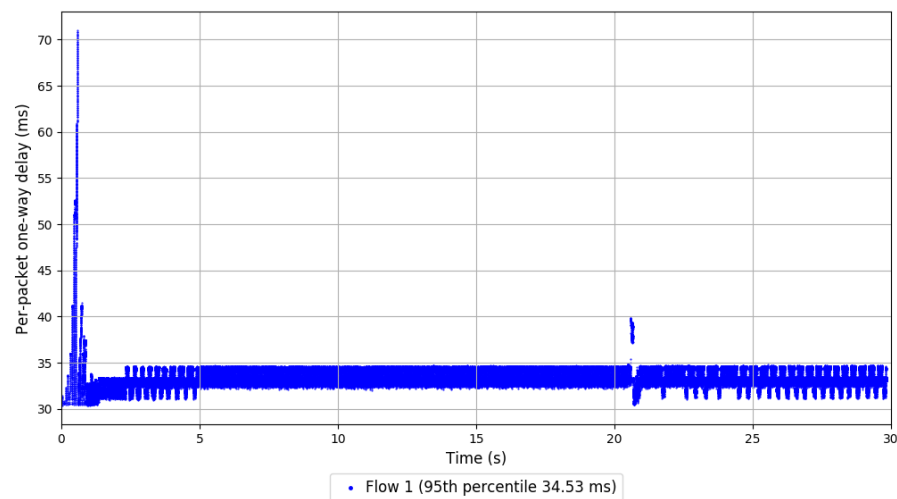
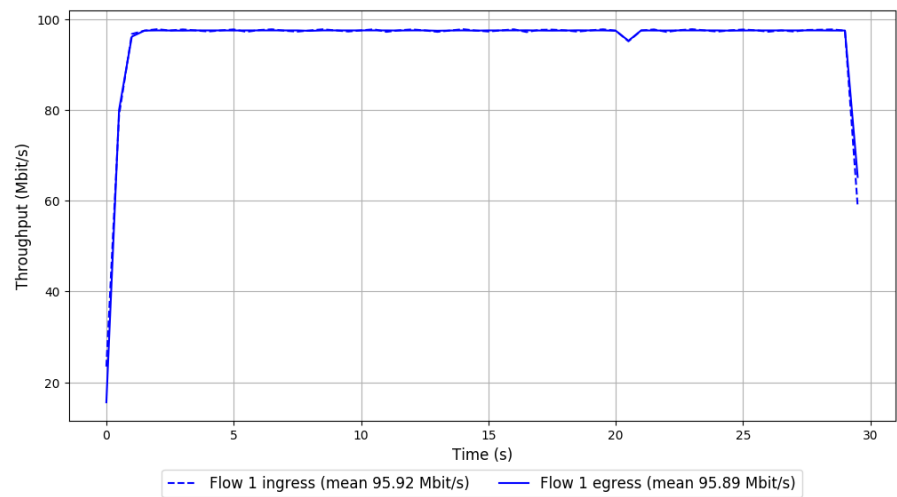
-- Flow 1:

Average throughput: 95.89 Mbit/s

95th percentile per-packet one-way delay: 34.531 ms

Loss rate: 0.03%

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

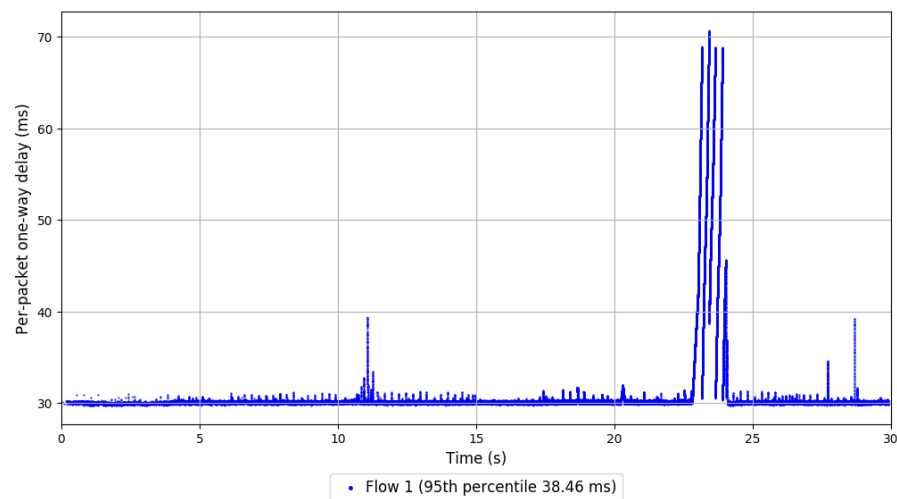
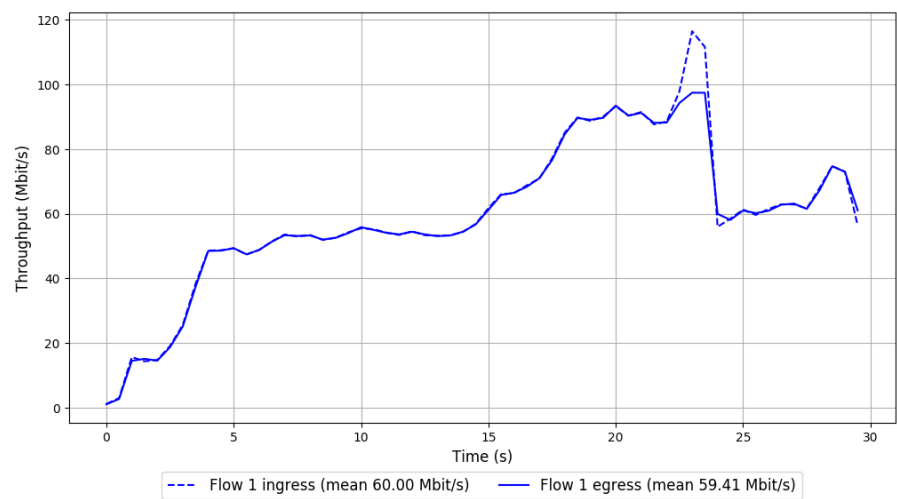


Run 1: Statistics of PCC-Vivace

Start at: 2018-04-17 05:52:11
End at: 2018-04-17 05:52:41
Local clock offset: -4.392 ms
Remote clock offset: -1.569 ms

Below is generated by plot.py at 2018-04-17 10:17:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.41 Mbit/s
95th percentile per-packet one-way delay: 38.458 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 59.41 Mbit/s
95th percentile per-packet one-way delay: 38.458 ms
Loss rate: 0.97%

Run 1: Report of PCC-Vivace — Data Link

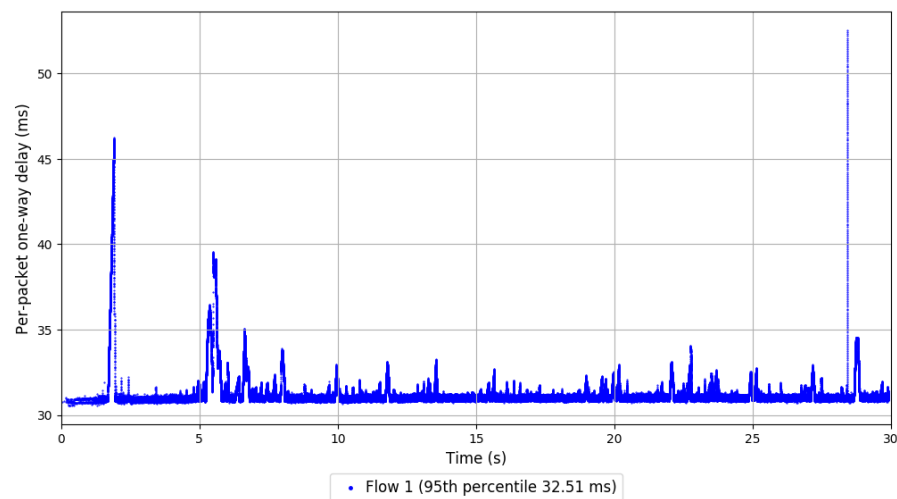
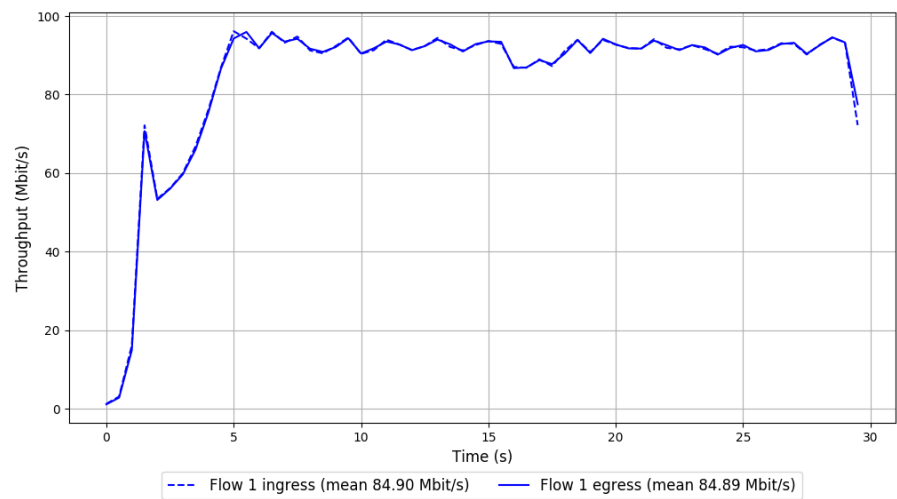


Run 2: Statistics of PCC-Vivace

Start at: 2018-04-17 06:15:59
End at: 2018-04-17 06:16:29
Local clock offset: -0.859 ms
Remote clock offset: -1.823 ms

Below is generated by plot.py at 2018-04-17 10:17:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.89 Mbit/s
95th percentile per-packet one-way delay: 32.509 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.89 Mbit/s
95th percentile per-packet one-way delay: 32.509 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

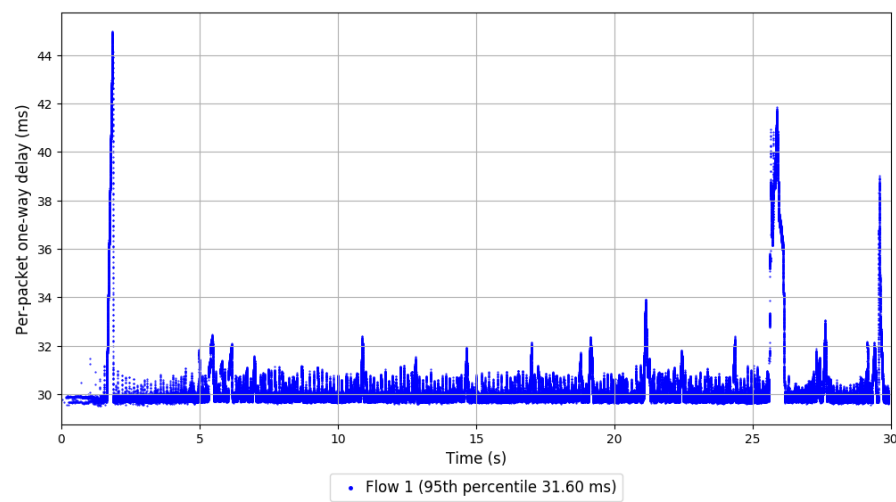
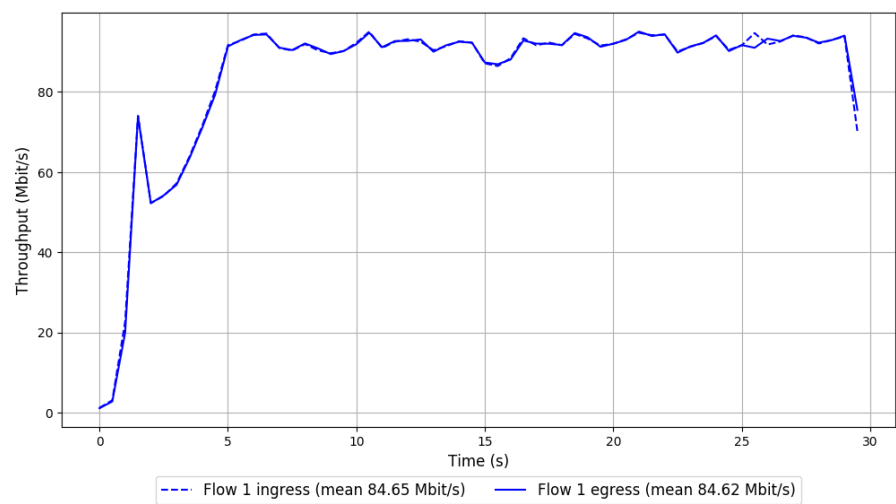


Run 3: Statistics of PCC-Vivace

Start at: 2018-04-17 06:39:31
End at: 2018-04-17 06:40:01
Local clock offset: -0.292 ms
Remote clock offset: -2.462 ms

Below is generated by plot.py at 2018-04-17 10:18:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.62 Mbit/s
95th percentile per-packet one-way delay: 31.597 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 84.62 Mbit/s
95th percentile per-packet one-way delay: 31.597 ms
Loss rate: 0.04%

Run 3: Report of PCC-Vivace — Data Link

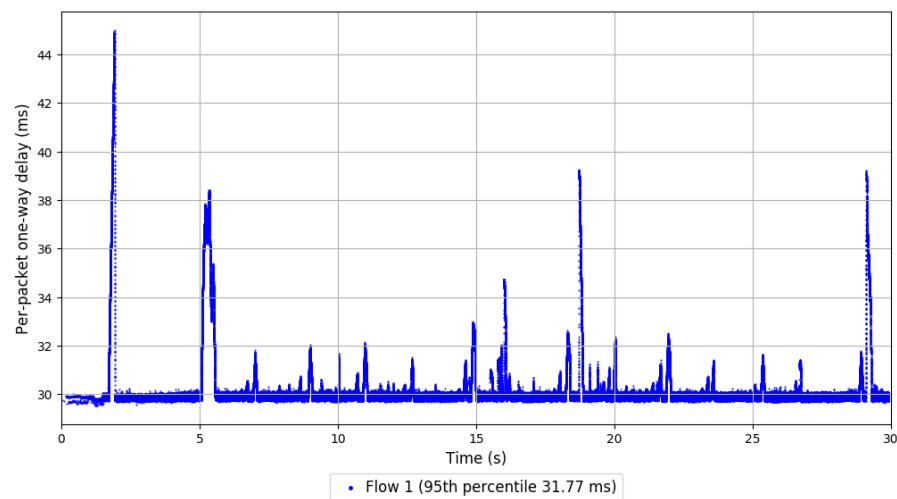
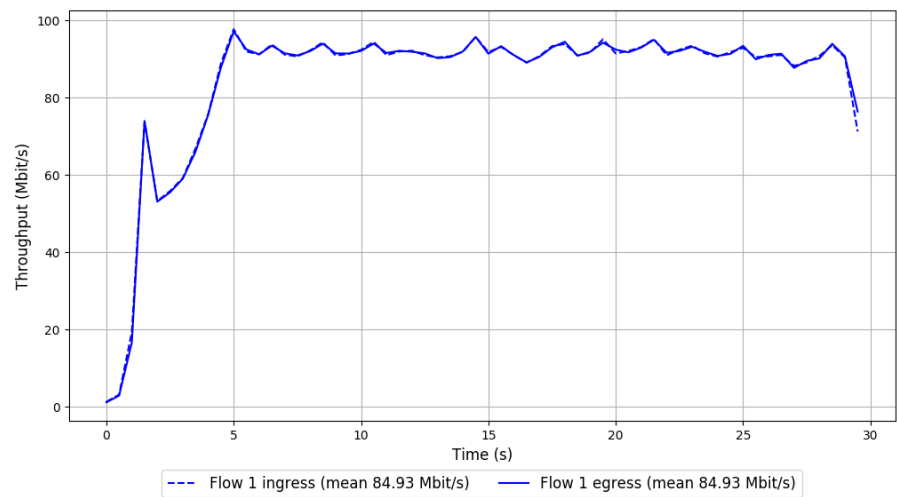


Run 4: Statistics of PCC-Vivace

Start at: 2018-04-17 07:02:25
End at: 2018-04-17 07:02:55
Local clock offset: -0.065 ms
Remote clock offset: -1.159 ms

Below is generated by plot.py at 2018-04-17 10:18:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.93 Mbit/s
95th percentile per-packet one-way delay: 31.775 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.93 Mbit/s
95th percentile per-packet one-way delay: 31.775 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

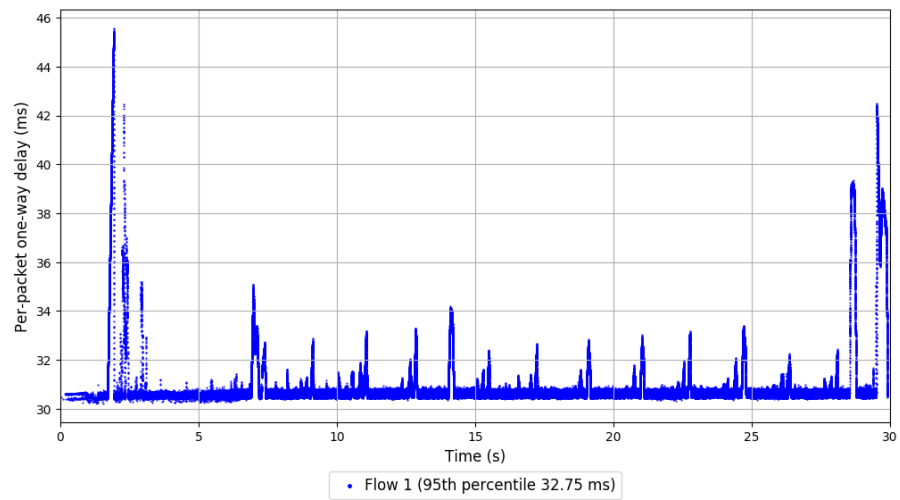
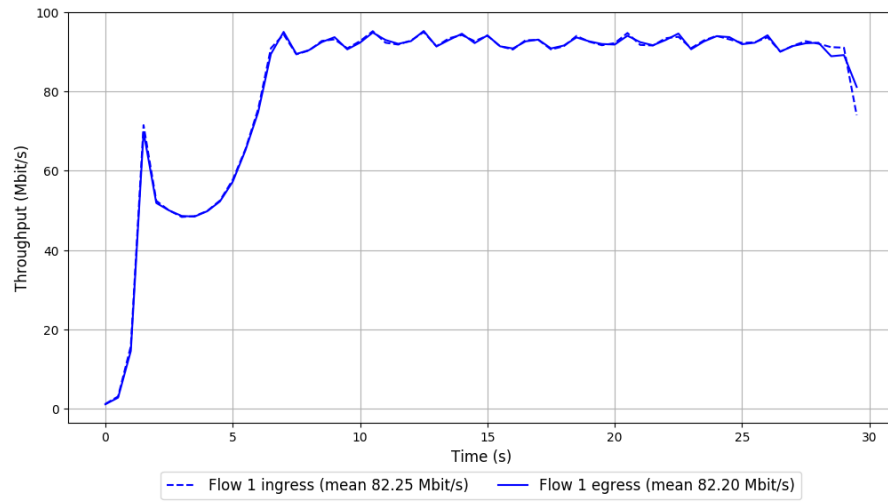


Run 5: Statistics of PCC-Vivace

Start at: 2018-04-17 07:25:21
End at: 2018-04-17 07:25:51
Local clock offset: 0.397 ms
Remote clock offset: -1.889 ms

Below is generated by plot.py at 2018-04-17 10:18:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.20 Mbit/s
95th percentile per-packet one-way delay: 32.747 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 82.20 Mbit/s
95th percentile per-packet one-way delay: 32.747 ms
Loss rate: 0.07%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-04-17 07:48:06

End at: 2018-04-17 07:48:36

Local clock offset: 0.322 ms

Remote clock offset: -1.972 ms

Below is generated by plot.py at 2018-04-17 10:18:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.22 Mbit/s

95th percentile per-packet one-way delay: 32.368 ms

Loss rate: 0.00%

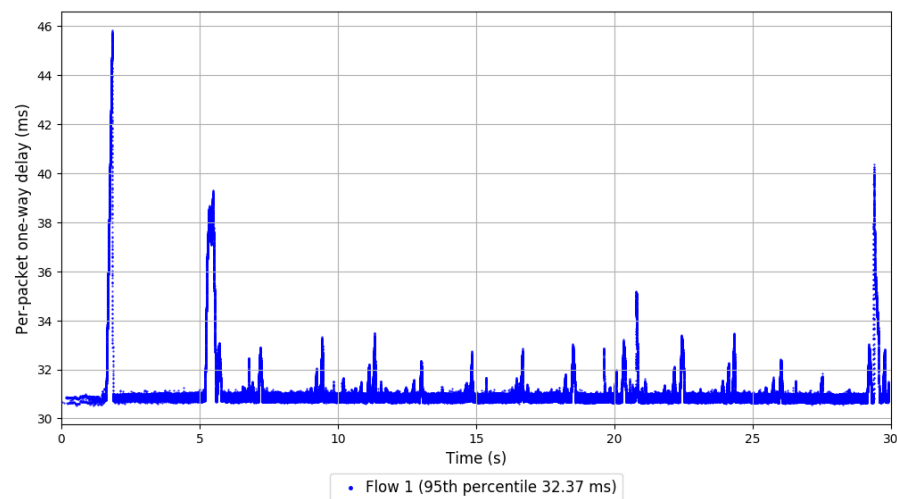
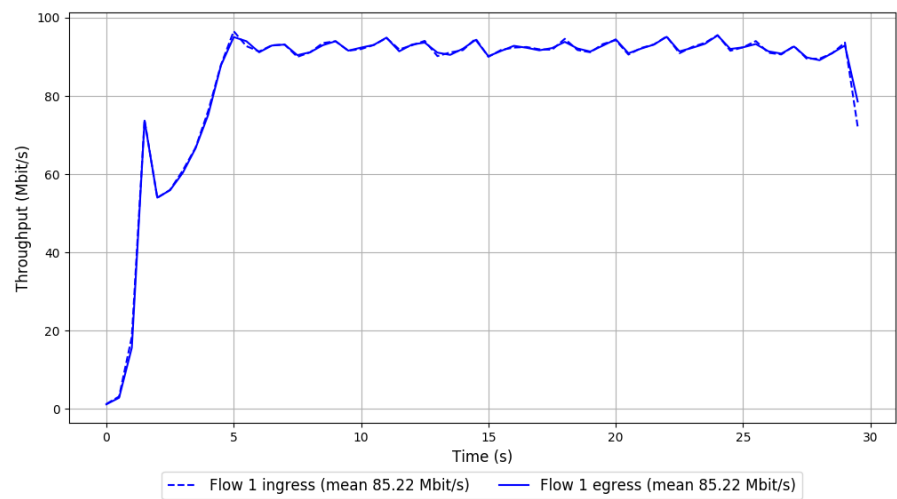
-- Flow 1:

Average throughput: 85.22 Mbit/s

95th percentile per-packet one-way delay: 32.368 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link

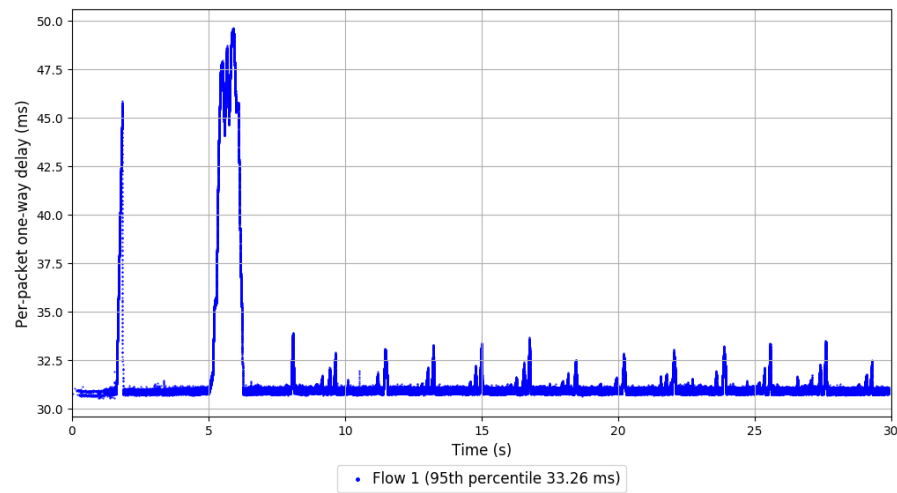
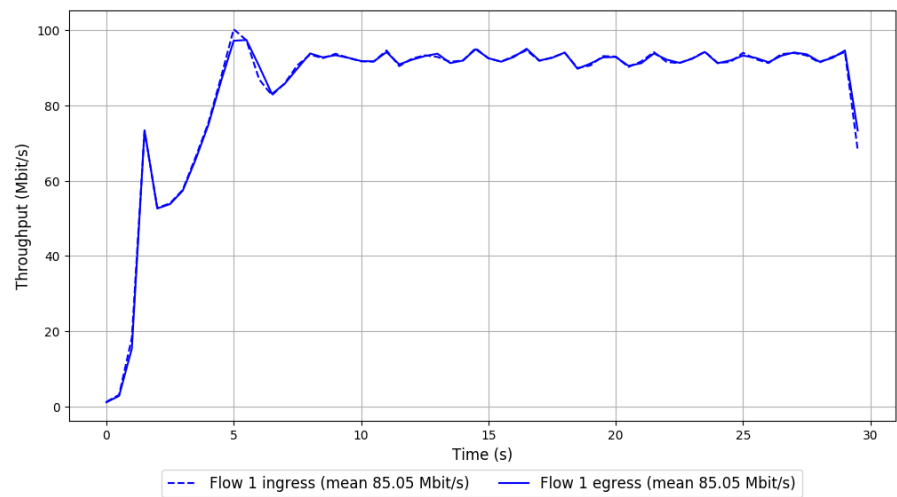


Run 7: Statistics of PCC-Vivace

Start at: 2018-04-17 08:11:27
End at: 2018-04-17 08:11:57
Local clock offset: 0.098 ms
Remote clock offset: -0.836 ms

Below is generated by plot.py at 2018-04-17 10:18:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.05 Mbit/s
95th percentile per-packet one-way delay: 33.257 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.05 Mbit/s
95th percentile per-packet one-way delay: 33.257 ms
Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link

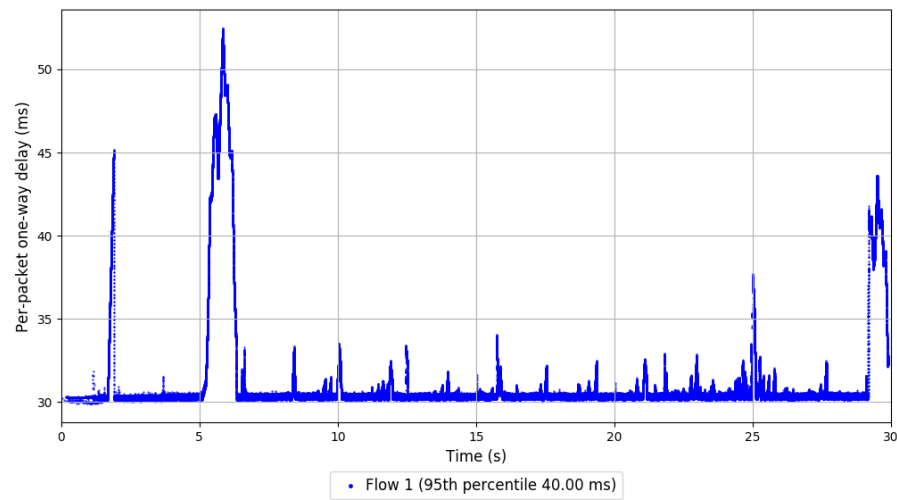
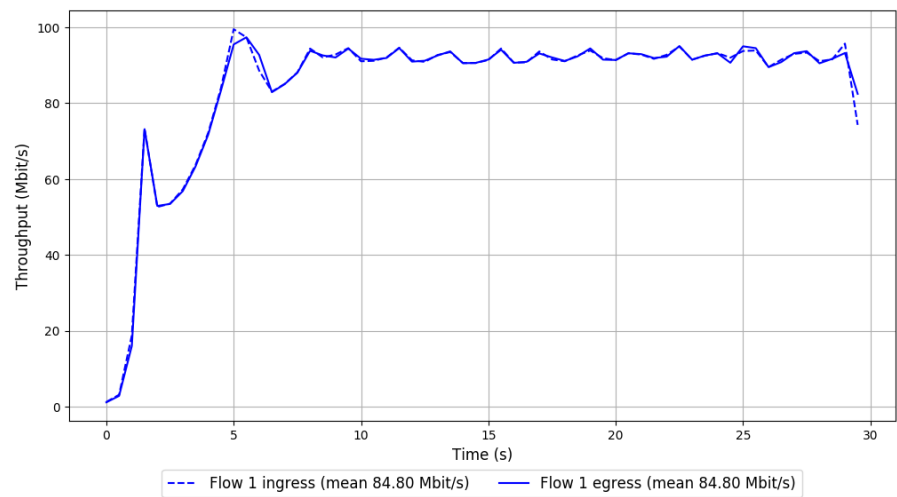


Run 8: Statistics of PCC-Vivace

Start at: 2018-04-17 08:34:27
End at: 2018-04-17 08:34:57
Local clock offset: -0.526 ms
Remote clock offset: -2.257 ms

Below is generated by plot.py at 2018-04-17 10:18:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.80 Mbit/s
95th percentile per-packet one-way delay: 39.997 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.80 Mbit/s
95th percentile per-packet one-way delay: 39.997 ms
Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link

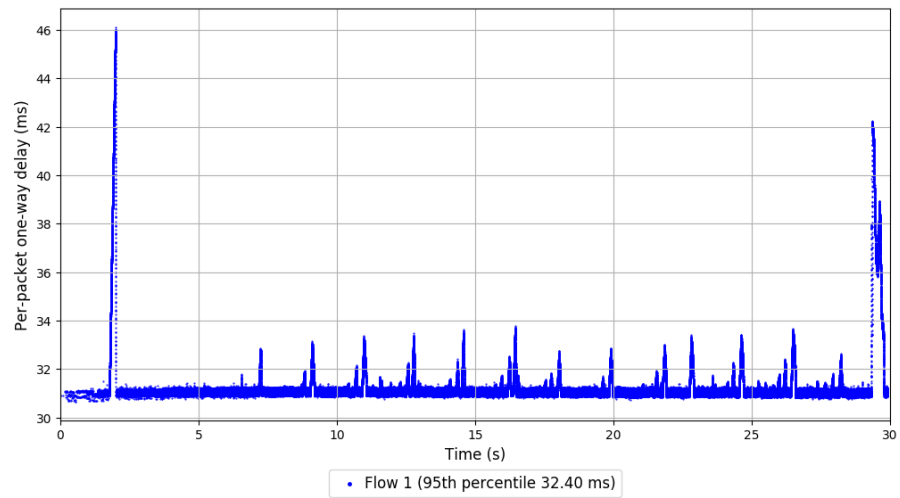
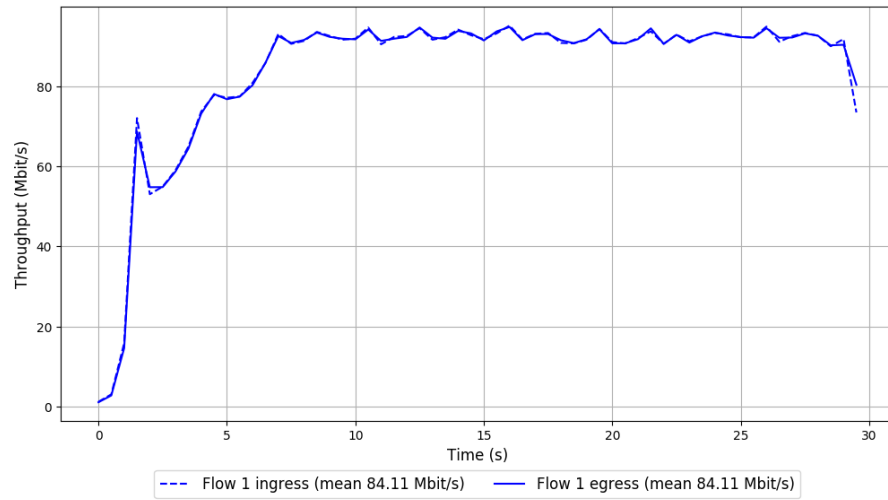


Run 9: Statistics of PCC-Vivace

Start at: 2018-04-17 08:57:06
End at: 2018-04-17 08:57:36
Local clock offset: -0.172 ms
Remote clock offset: -2.331 ms

Below is generated by plot.py at 2018-04-17 10:18:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.11 Mbit/s
95th percentile per-packet one-way delay: 32.400 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.11 Mbit/s
95th percentile per-packet one-way delay: 32.400 ms
Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-04-17 09:19:54

End at: 2018-04-17 09:20:24

Local clock offset: 0.588 ms

Remote clock offset: -0.335 ms

Below is generated by plot.py at 2018-04-17 10:18:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.76 Mbit/s

95th percentile per-packet one-way delay: 45.637 ms

Loss rate: 0.10%

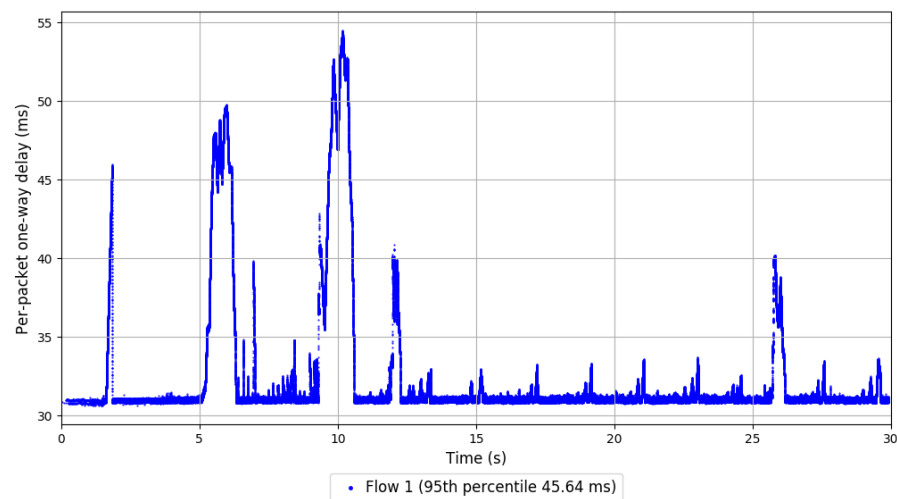
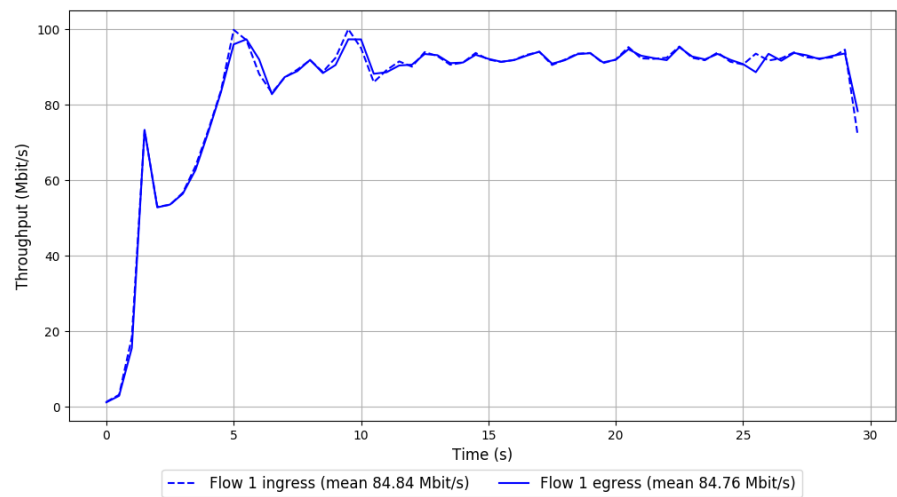
-- Flow 1:

Average throughput: 84.76 Mbit/s

95th percentile per-packet one-way delay: 45.637 ms

Loss rate: 0.10%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-04-17 06:09:24
End at: 2018-04-17 06:09:54
Local clock offset: -1.677 ms
Remote clock offset: -2.219 ms

Run 1: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC-Expr

Start at: 2018-04-17 06:32:46

End at: 2018-04-17 06:33:16

Local clock offset: -0.692 ms

Remote clock offset: -1.953 ms

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

Start at: 2018-04-17 06:55:49

End at: 2018-04-17 06:56:19

Local clock offset: 0.043 ms

Remote clock offset: -0.845 ms

Run 3: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of PCC-Expr

Start at: 2018-04-17 07:18:45

End at: 2018-04-17 07:19:15

Local clock offset: 0.39 ms

Remote clock offset: -1.048 ms

Run 4: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of PCC-Expr

Start at: 2018-04-17 07:41:30

End at: 2018-04-17 07:42:00

Local clock offset: 0.531 ms

Remote clock offset: -2.325 ms

Run 5: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of PCC-Expr

Start at: 2018-04-17 08:04:47

End at: 2018-04-17 08:05:17

Local clock offset: 0.114 ms

Remote clock offset: -1.354 ms

Run 6: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of PCC-Expr

Start at: 2018-04-17 08:27:55

End at: 2018-04-17 08:28:25

Local clock offset: -0.383 ms

Remote clock offset: -2.159 ms

Run 7: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-04-17 08:50:31

End at: 2018-04-17 08:51:01

Local clock offset: -0.621 ms

Remote clock offset: -3.155 ms

Run 8: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-04-17 09:13:21

End at: 2018-04-17 09:13:51

Local clock offset: 0.481 ms

Remote clock offset: -1.08 ms

Run 9: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of PCC-Expr

Start at: 2018-04-17 09:36:00

End at: 2018-04-17 09:36:30

Local clock offset: 2.905 ms

Remote clock offset: -1.262 ms

Run 10: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing