

Pantheon Report

Generated at 2018-02-16 05:46:41 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

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

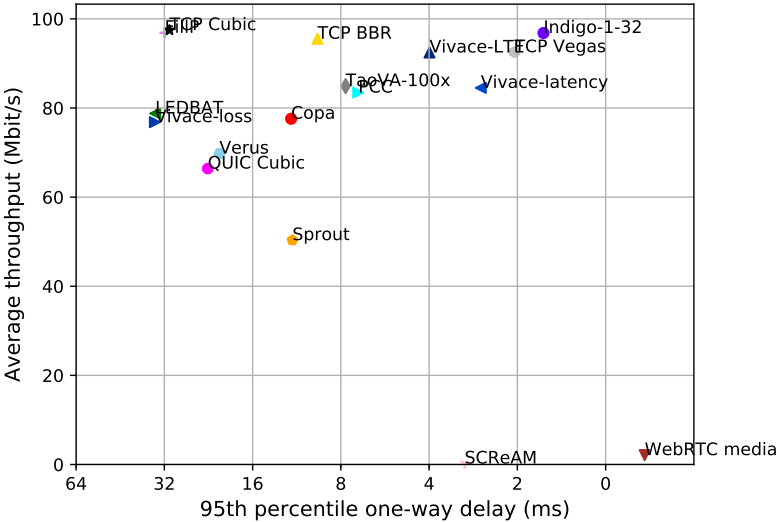
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against **gps.ntp.br** and have been applied to correct the timestamps in logs.

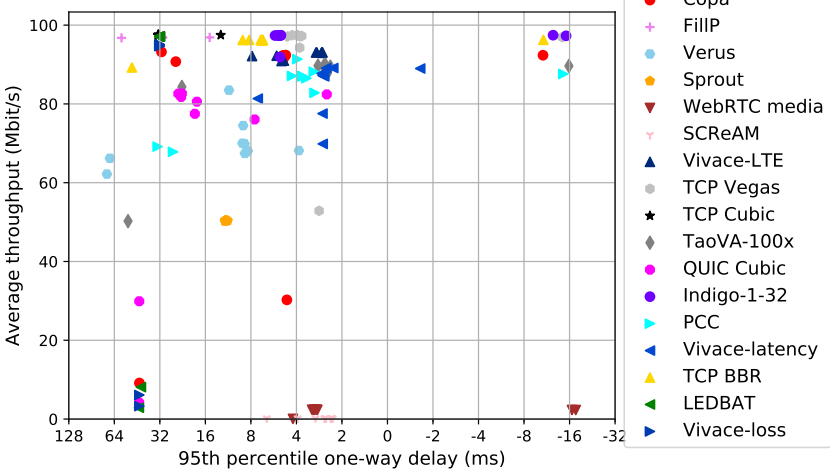
Git summary:

```
branch: master @ cccb2d77344969a7bac1df6edf6c0cfb6c77a6f8
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 8400b8926887fc4cf8c795a1d7ce2c8ac041ec72
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quir @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeab30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



test from AWS Brazil 1 Ethernet to Brazil Ethernet, 10 runs of 30s each per scheme



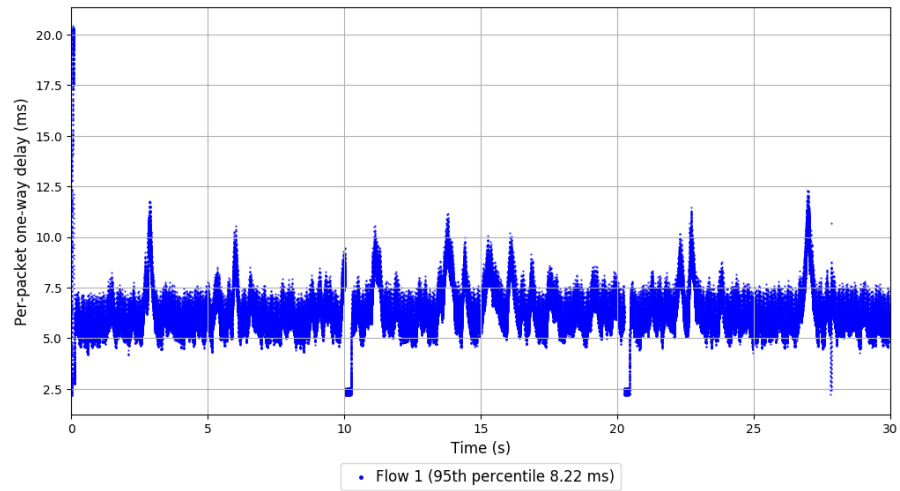
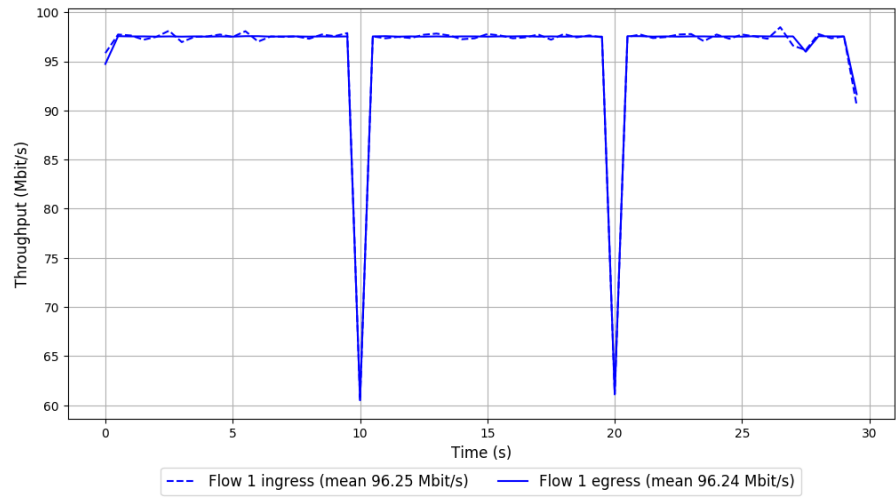
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	95.53	9.61	0.20
TCP Cubic	10	97.48	30.72	0.01
LEDBAT	10	78.77	34.40	0.37
PCC	10	83.46	6.98	0.13
QUIC Cubic	9	66.41	22.76	0.42
SCReAM	10	0.22	3.03	0.00
WebRTC media	10	2.10	-0.88	0.00
Sprout	10	50.35	11.71	0.00
TaoVA-100x	10	84.91	7.71	0.78
TCP Vegas	10	92.53	2.05	0.01
Verus	10	69.77	20.78	2.25
Copa	10	77.58	11.83	0.61
FillP	10	96.87	31.93	12.07
Indigo-1-32	10	96.83	1.41	0.00
Vivace-latency	10	84.51	2.67	0.09
Vivace-loss	10	76.82	34.47	3.86
Vivace-LTE	10	92.46	3.99	0.04

Run 1: Statistics of TCP BBR

Start at: 2018-02-16 01:43:13
End at: 2018-02-16 01:43:43
Local clock offset: -7.731 ms
Remote clock offset: -5.225 ms

Below is generated by plot.py at 2018-02-16 05:22:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 8.217 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 8.217 ms
Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

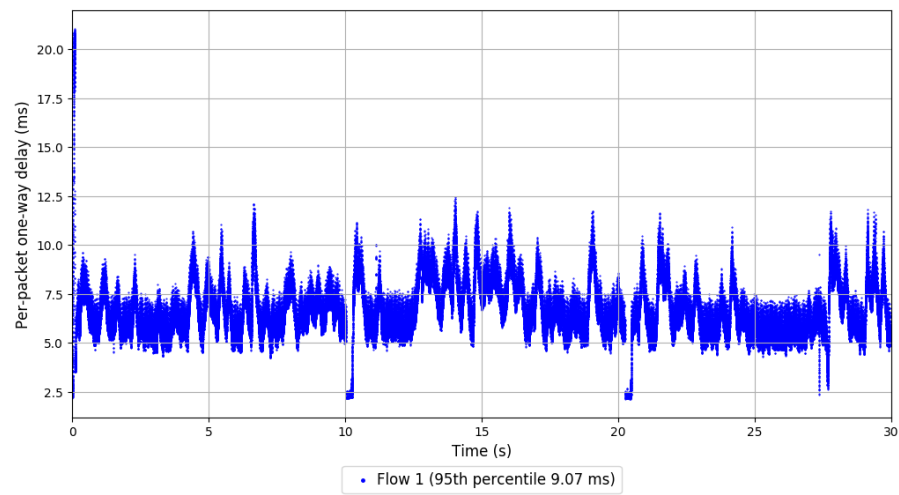
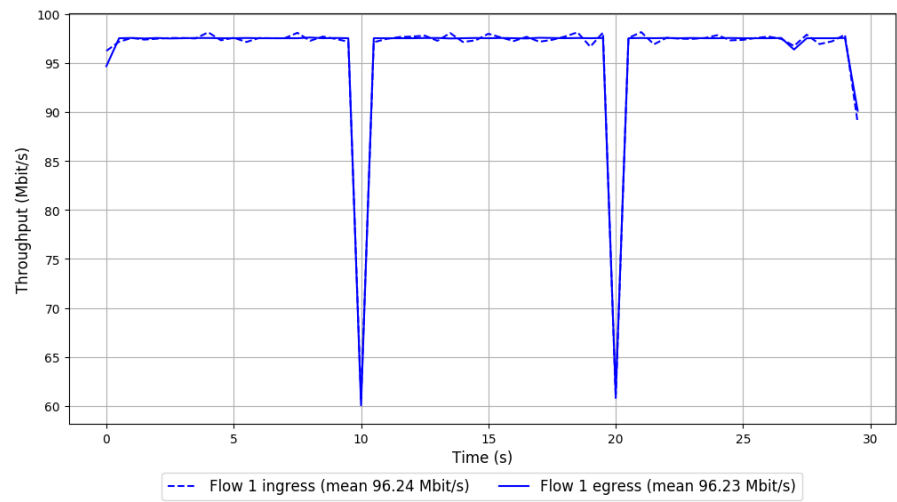


Run 2: Statistics of TCP BBR

Start at: 2018-02-16 02:04:07
End at: 2018-02-16 02:04:37
Local clock offset: -7.476 ms
Remote clock offset: -3.843 ms

Below is generated by plot.py at 2018-02-16 05:22:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 9.069 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 9.069 ms
Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link

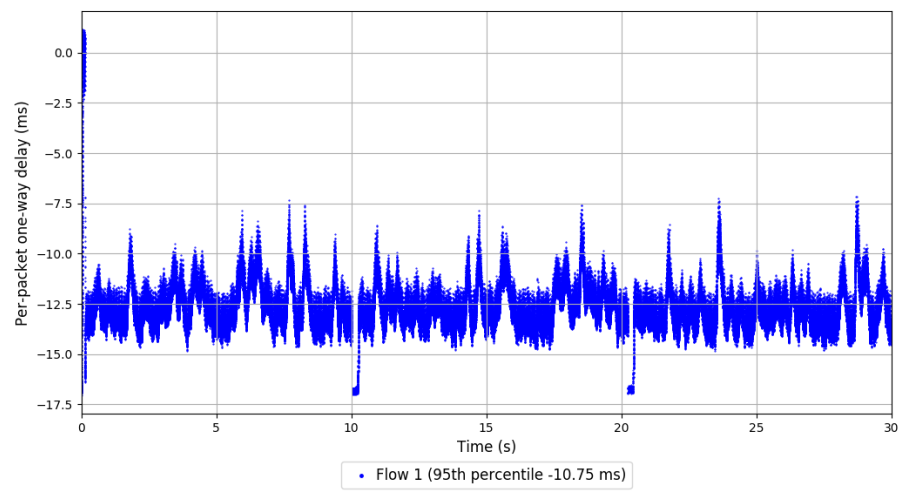
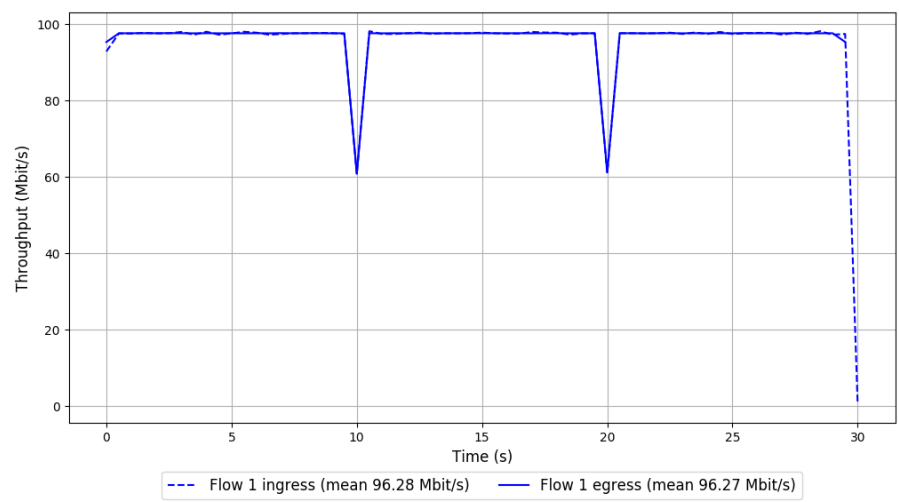


Run 3: Statistics of TCP BBR

Start at: 2018-02-16 02:25:05
End at: 2018-02-16 02:25:35
Local clock offset: -6.383 ms
Remote clock offset: -19.317 ms

Below is generated by plot.py at 2018-02-16 05:22:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: -10.747 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: -10.747 ms
Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-02-16 02:45:47

End at: 2018-02-16 02:46:17

Local clock offset: -5.367 ms

Remote clock offset: 1.494 ms

Below is generated by plot.py at 2018-02-16 05:22:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.25 Mbit/s

95th percentile per-packet one-way delay: 48.980 ms

Loss rate: 2.05%

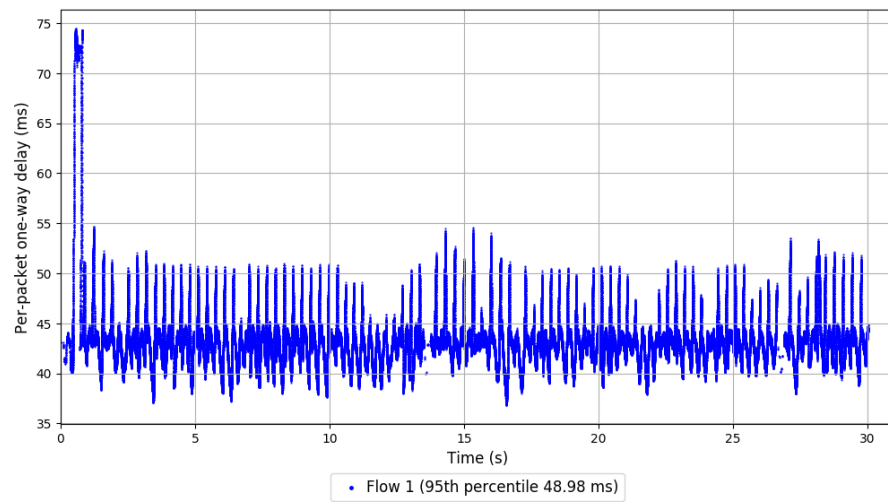
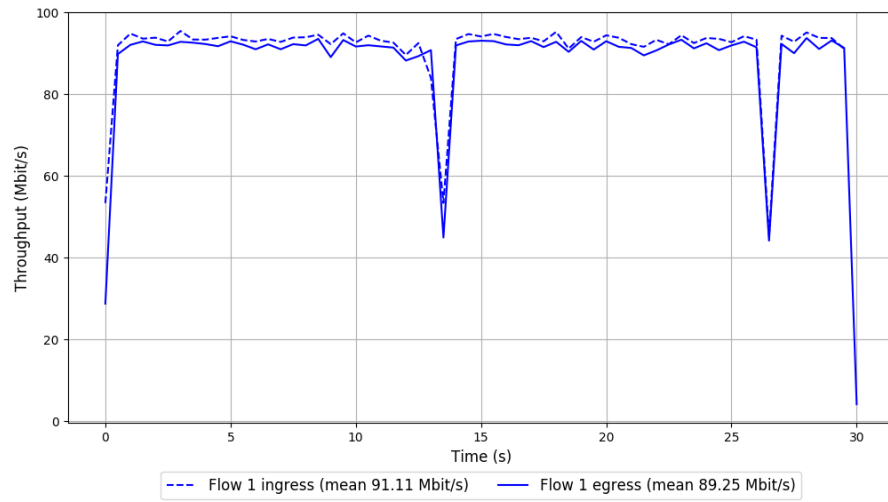
-- Flow 1:

Average throughput: 89.25 Mbit/s

95th percentile per-packet one-way delay: 48.980 ms

Loss rate: 2.05%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-02-16 03:06:37

End at: 2018-02-16 03:07:07

Local clock offset: -6.041 ms

Remote clock offset: 2.596 ms

Below is generated by plot.py at 2018-02-16 05:22:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.22 Mbit/s

95th percentile per-packet one-way delay: 6.656 ms

Loss rate: 0.00%

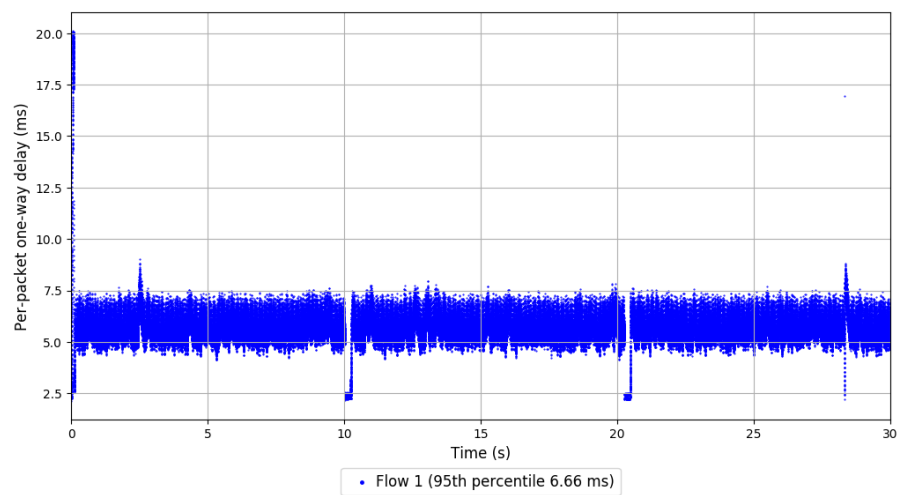
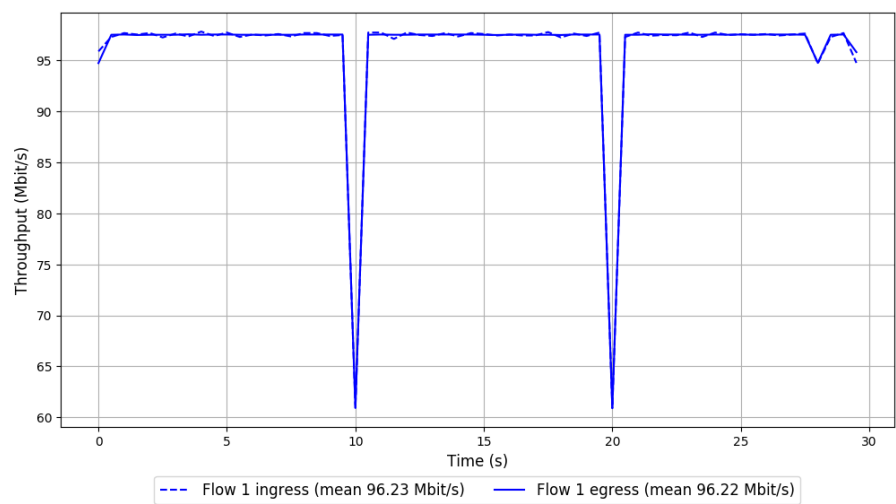
-- Flow 1:

Average throughput: 96.22 Mbit/s

95th percentile per-packet one-way delay: 6.656 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link

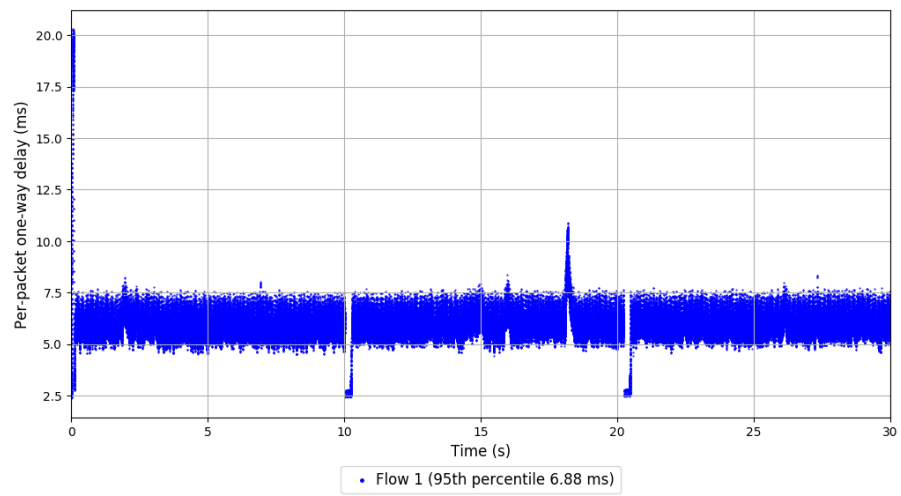
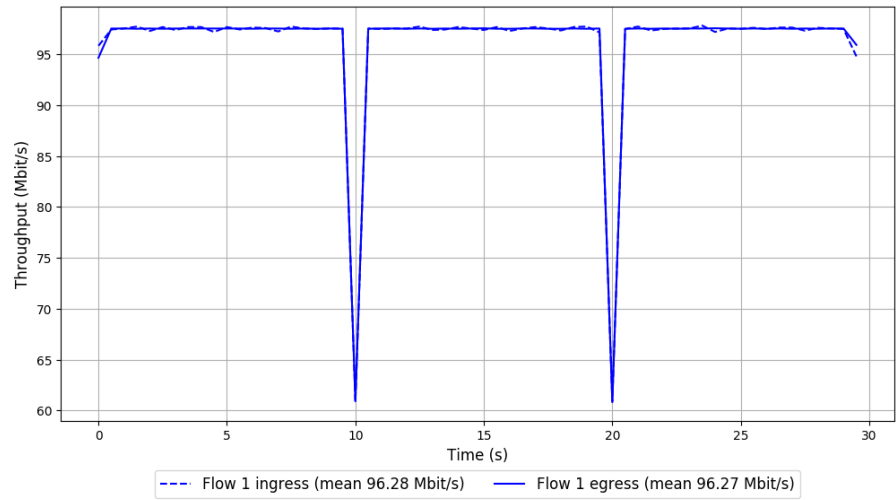


Run 6: Statistics of TCP BBR

Start at: 2018-02-16 03:27:09
End at: 2018-02-16 03:27:39
Local clock offset: -6.252 ms
Remote clock offset: -5.587 ms

Below is generated by plot.py at 2018-02-16 05:22:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 6.881 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 6.881 ms
Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

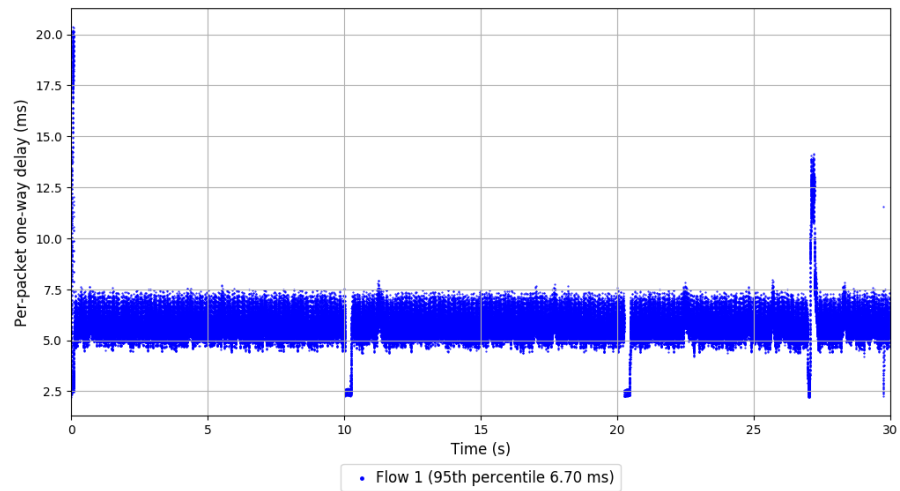
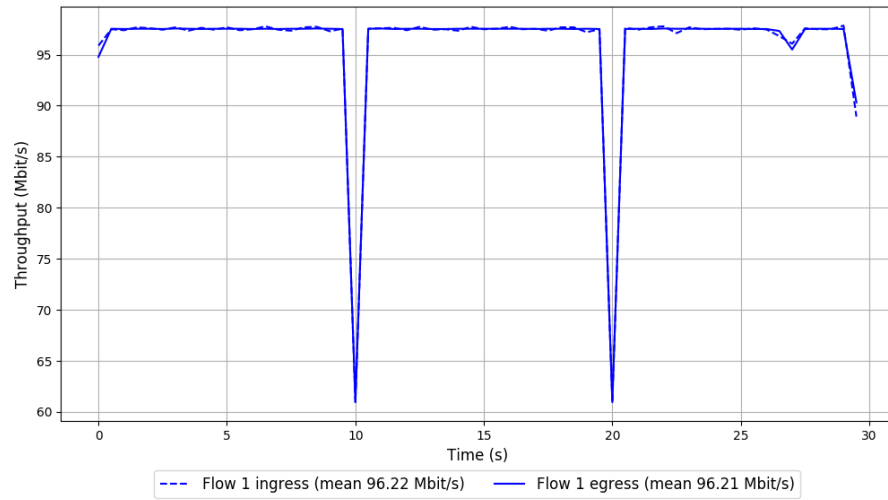


Run 7: Statistics of TCP BBR

Start at: 2018-02-16 03:47:35
End at: 2018-02-16 03:48:05
Local clock offset: -5.75 ms
Remote clock offset: -7.216 ms

Below is generated by plot.py at 2018-02-16 05:22:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.21 Mbit/s
95th percentile per-packet one-way delay: 6.699 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.21 Mbit/s
95th percentile per-packet one-way delay: 6.699 ms
Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link

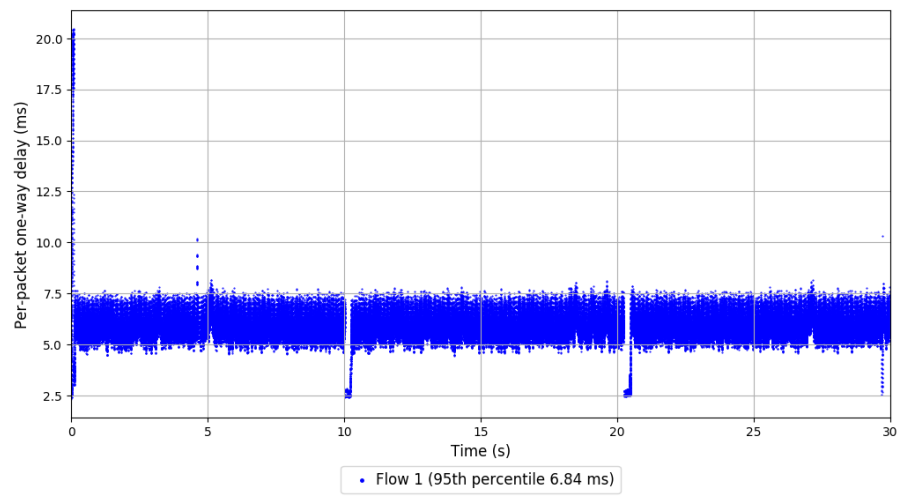
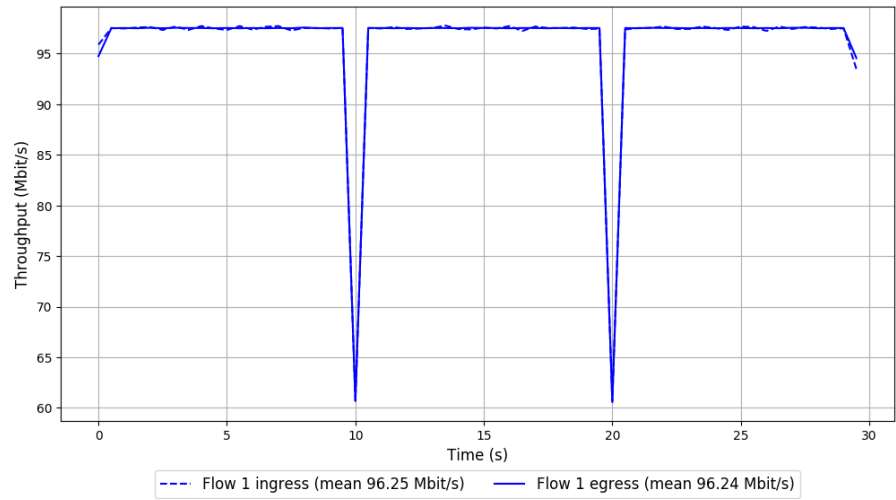


Run 8: Statistics of TCP BBR

Start at: 2018-02-16 04:07:59
End at: 2018-02-16 04:08:29
Local clock offset: -3.993 ms
Remote clock offset: -6.561 ms

Below is generated by plot.py at 2018-02-16 05:22:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 6.837 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 6.837 ms
Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link

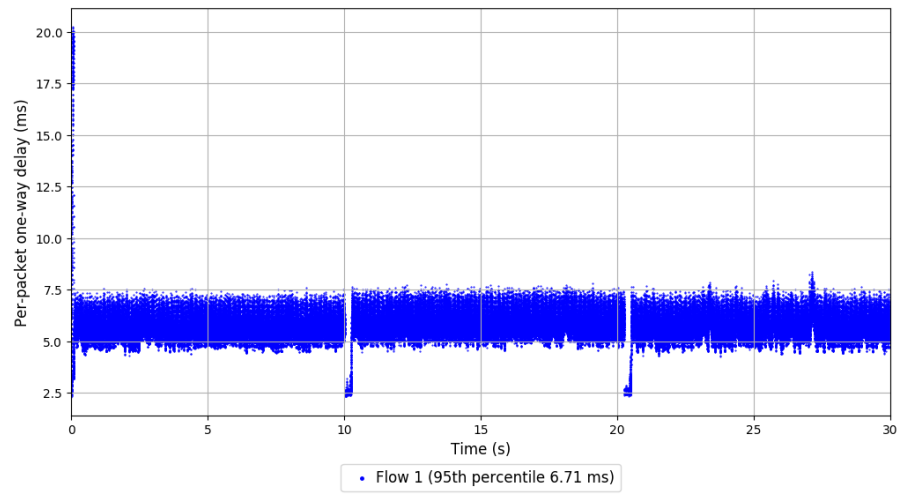
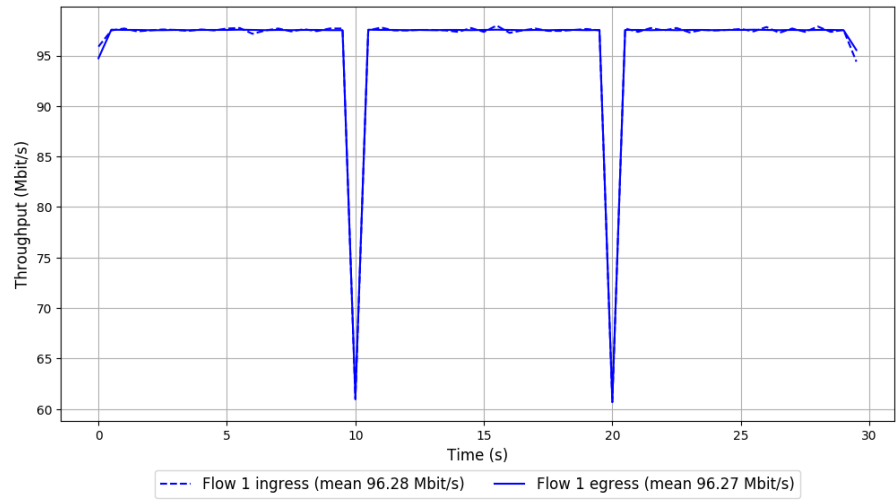


Run 9: Statistics of TCP BBR

Start at: 2018-02-16 04:28:22
End at: 2018-02-16 04:28:52
Local clock offset: -2.315 ms
Remote clock offset: -5.897 ms

Below is generated by plot.py at 2018-02-16 05:23:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 6.708 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 6.708 ms
Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link

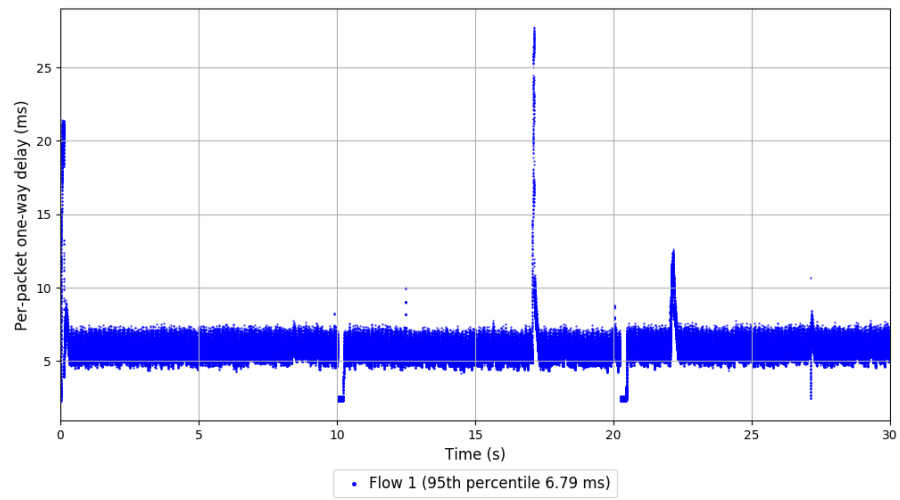
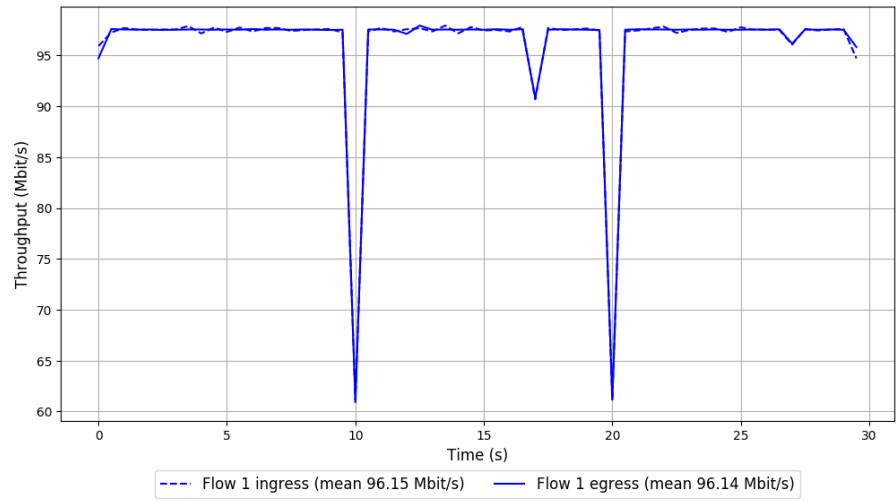


Run 10: Statistics of TCP BBR

Start at: 2018-02-16 04:48:43
End at: 2018-02-16 04:49:13
Local clock offset: -5.203 ms
Remote clock offset: -5.803 ms

Below is generated by plot.py at 2018-02-16 05:23:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.14 Mbit/s
95th percentile per-packet one-way delay: 6.792 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.14 Mbit/s
95th percentile per-packet one-way delay: 6.792 ms
Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-02-16 01:38:35

End at: 2018-02-16 01:39:05

Local clock offset: -7.403 ms

Remote clock offset: -5.32 ms

Below is generated by plot.py at 2018-02-16 05:23:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 32.556 ms

Loss rate: 0.01%

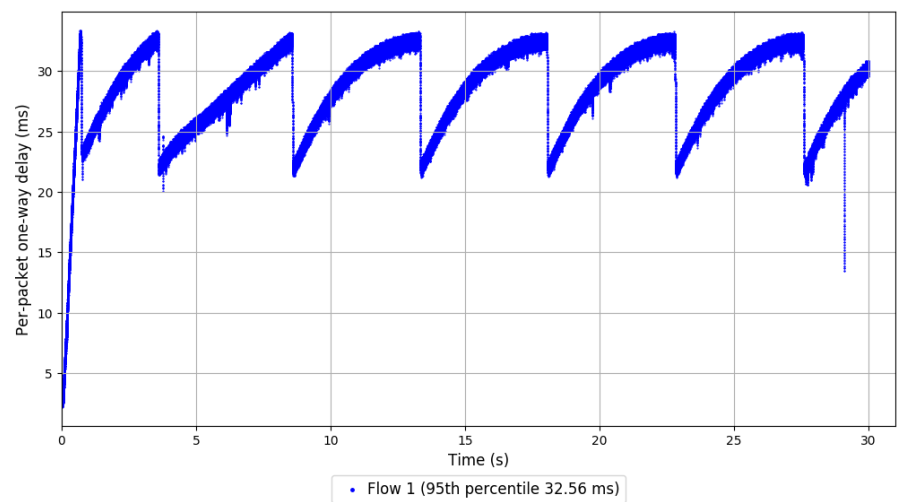
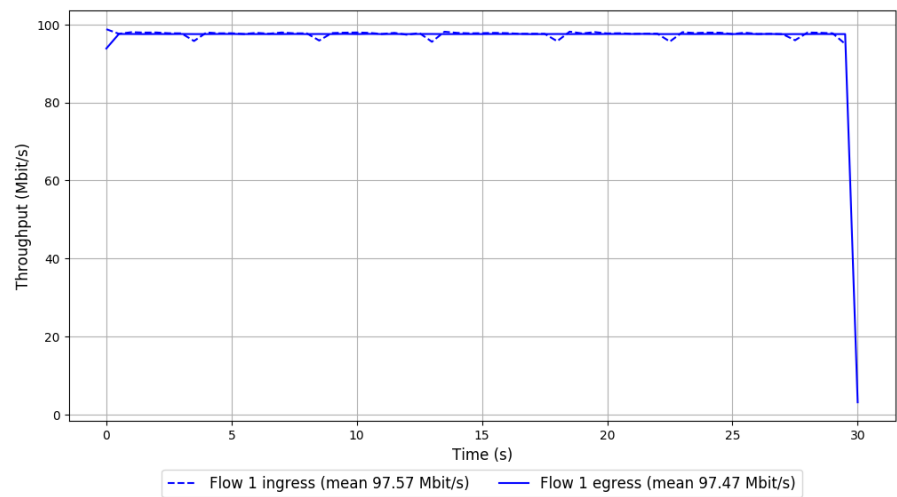
-- Flow 1:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 32.556 ms

Loss rate: 0.01%

Run 1: Report of TCP Cubic — Data Link

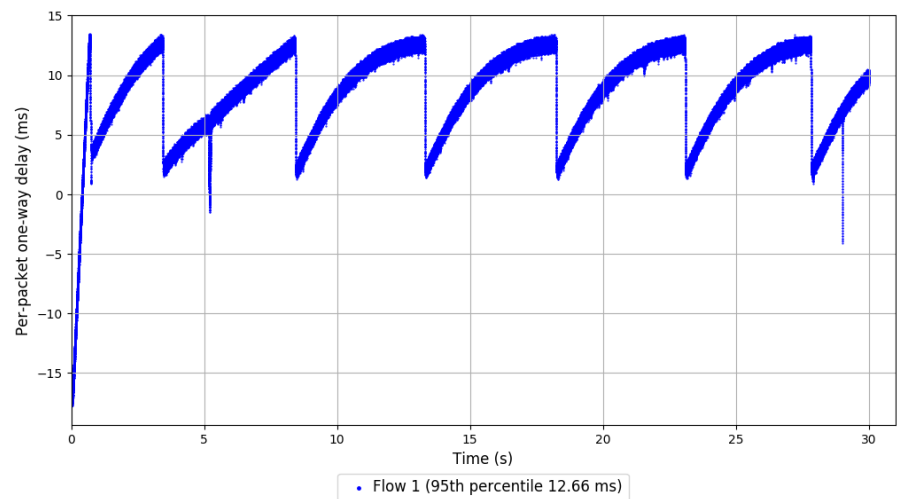
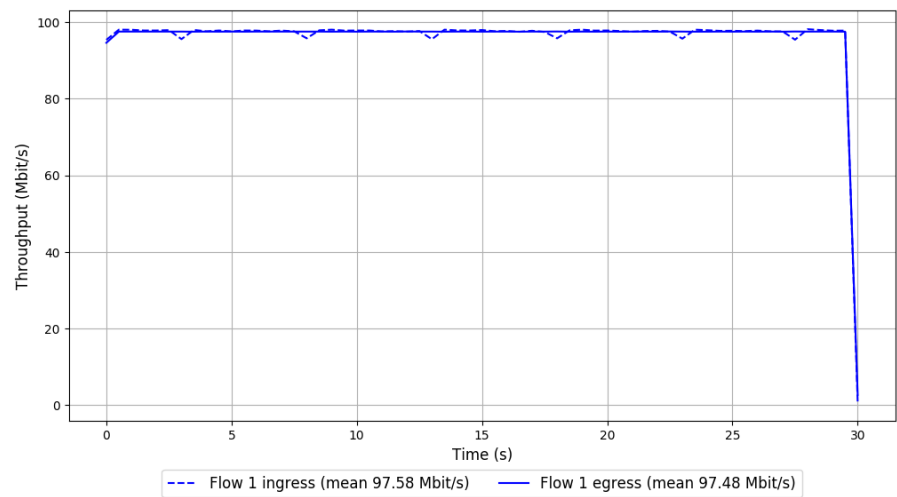


Run 2: Statistics of TCP Cubic

Start at: 2018-02-16 01:59:29
End at: 2018-02-16 01:59:59
Local clock offset: -7.408 ms
Remote clock offset: -25.032 ms

Below is generated by plot.py at 2018-02-16 05:23:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 12.661 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 12.661 ms
Loss rate: 0.01%

Run 2: Report of TCP Cubic — Data Link

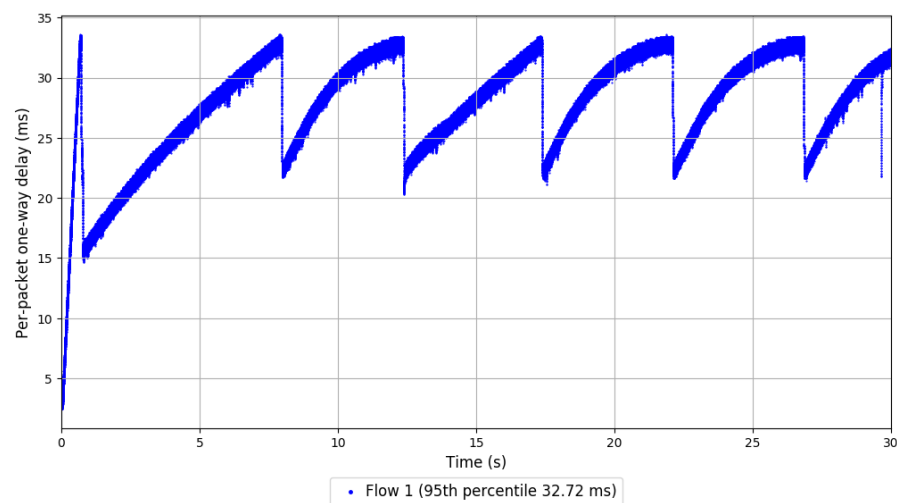
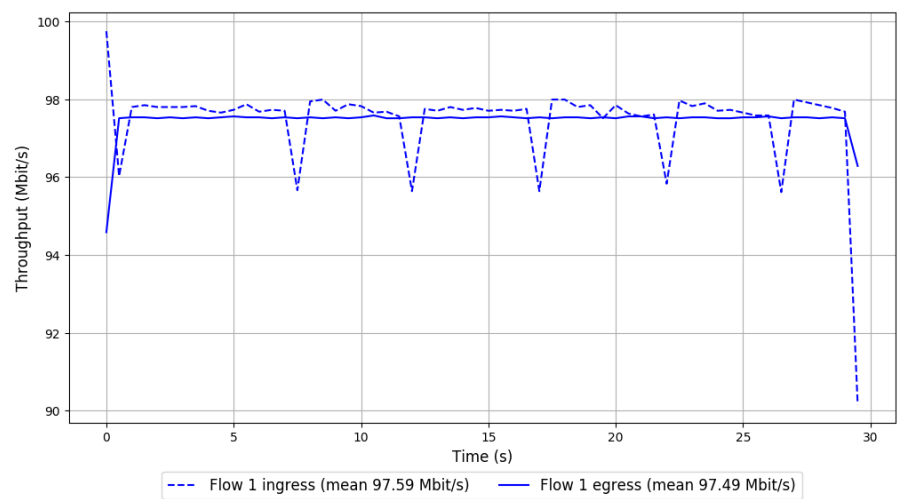


Run 3: Statistics of TCP Cubic

Start at: 2018-02-16 02:20:28
End at: 2018-02-16 02:20:58
Local clock offset: -7.18 ms
Remote clock offset: -0.378 ms

Below is generated by plot.py at 2018-02-16 05:23:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.723 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.723 ms
Loss rate: 0.01%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-02-16 02:41:12

End at: 2018-02-16 02:41:42

Local clock offset: -5.374 ms

Remote clock offset: 1.16 ms

Below is generated by plot.py at 2018-02-16 05:23:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 32.619 ms

Loss rate: 0.01%

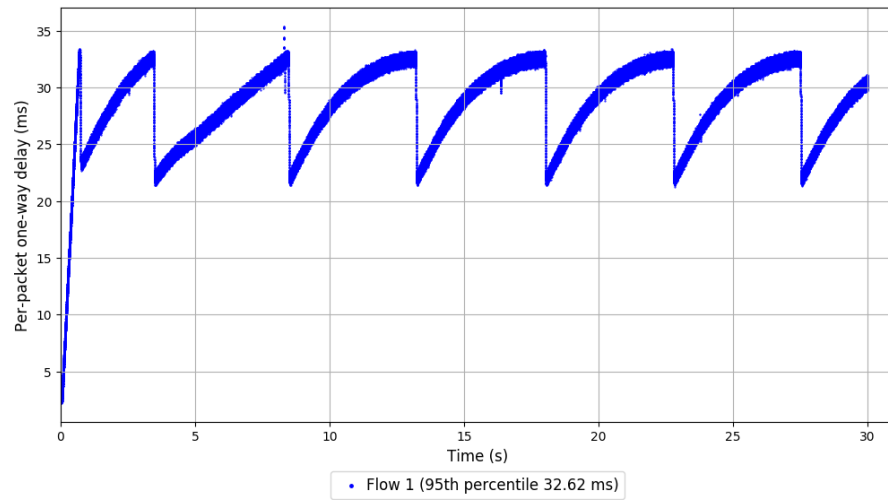
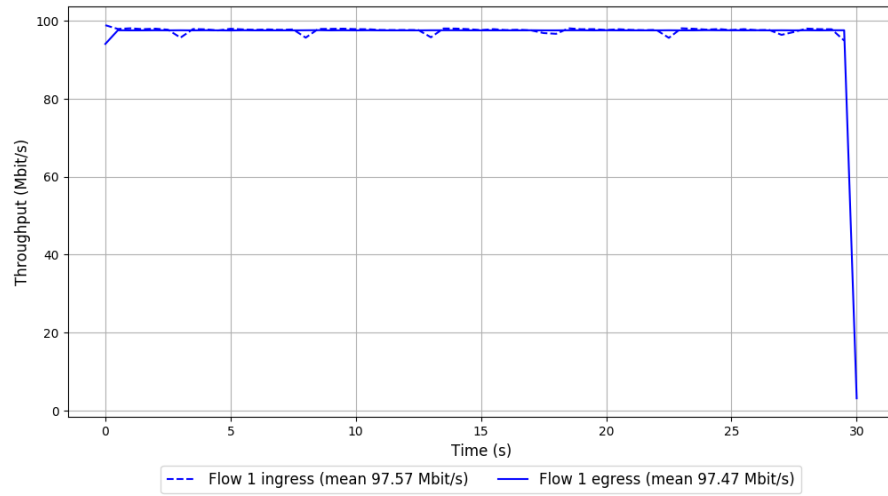
-- Flow 1:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 32.619 ms

Loss rate: 0.01%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-02-16 03:02:02

End at: 2018-02-16 03:02:32

Local clock offset: -5.926 ms

Remote clock offset: 2.401 ms

Below is generated by plot.py at 2018-02-16 05:23:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.49 Mbit/s

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

Loss rate: 0.01%

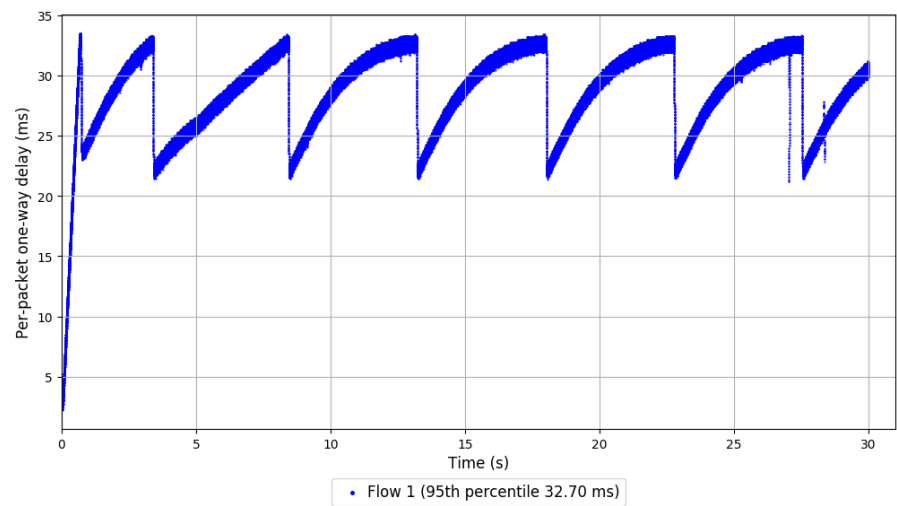
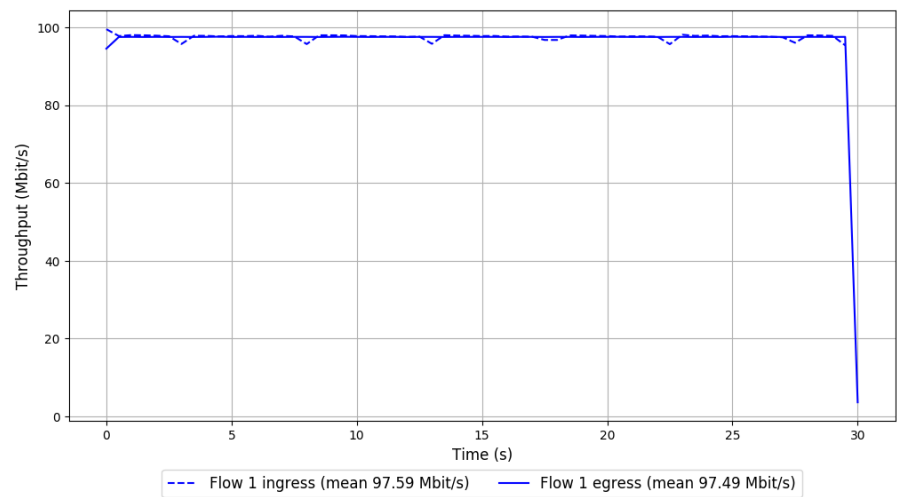
-- Flow 1:

Average throughput: 97.49 Mbit/s

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

Loss rate: 0.01%

Run 5: Report of TCP Cubic — Data Link

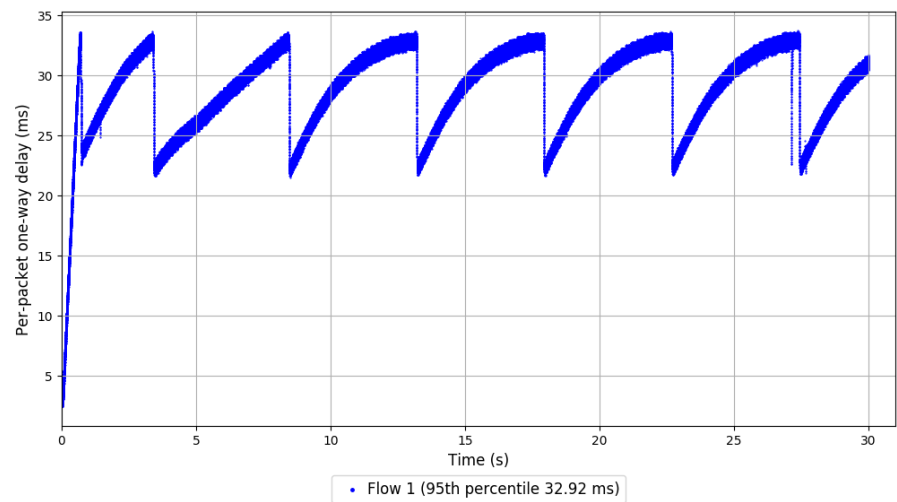
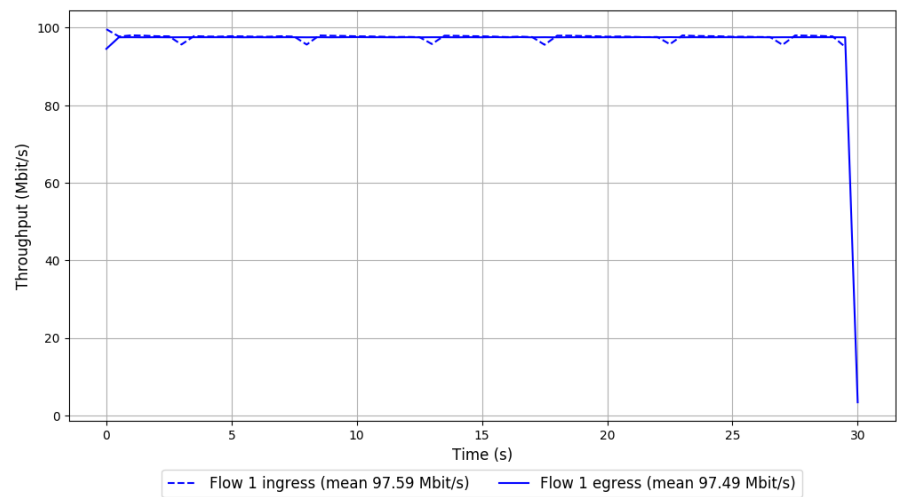


Run 6: Statistics of TCP Cubic

Start at: 2018-02-16 03:22:37
End at: 2018-02-16 03:23:07
Local clock offset: -6.347 ms
Remote clock offset: -4.453 ms

Below is generated by plot.py at 2018-02-16 05:23:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.916 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.916 ms
Loss rate: 0.01%

Run 6: Report of TCP Cubic — Data Link

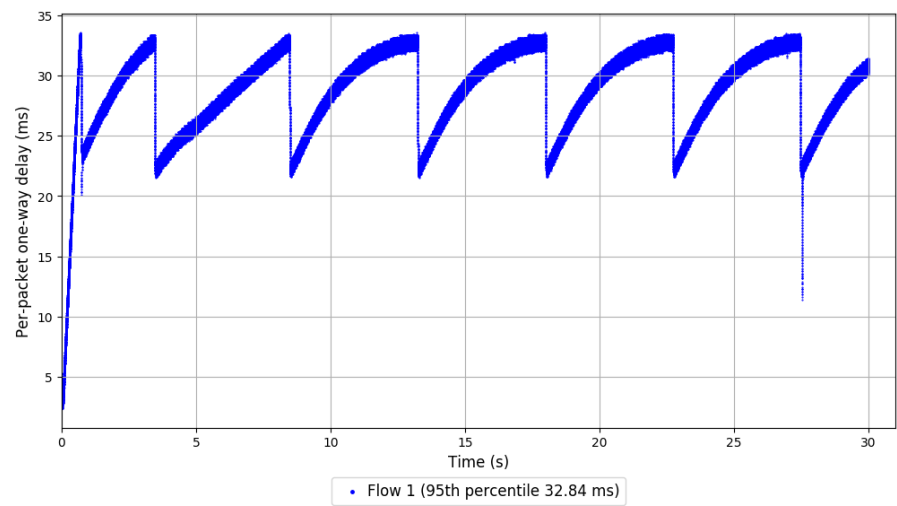
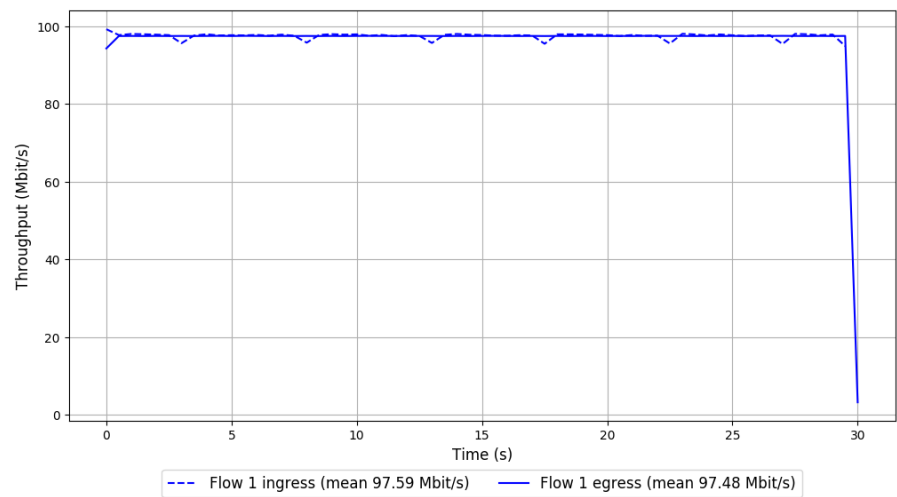


Run 7: Statistics of TCP Cubic

Start at: 2018-02-16 03:43:05
End at: 2018-02-16 03:43:36
Local clock offset: -5.863 ms
Remote clock offset: -7.869 ms

Below is generated by plot.py at 2018-02-16 05:25:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.842 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.842 ms
Loss rate: 0.01%

Run 7: Report of TCP Cubic — Data Link

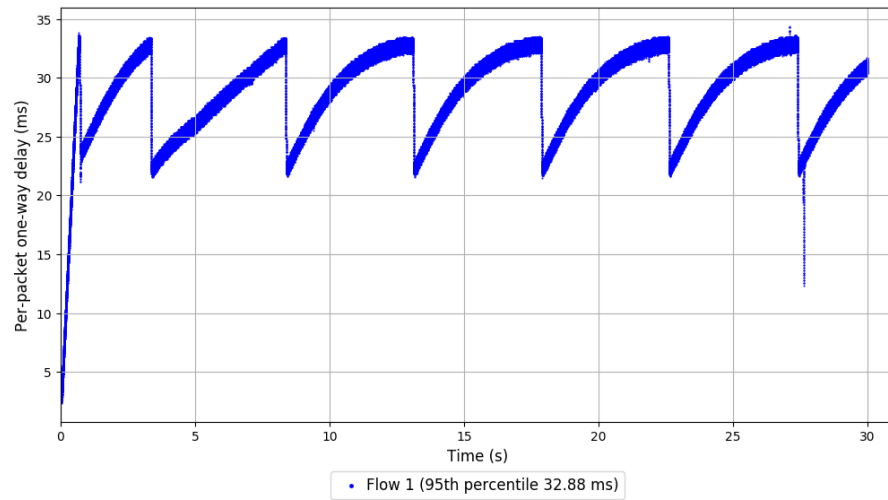
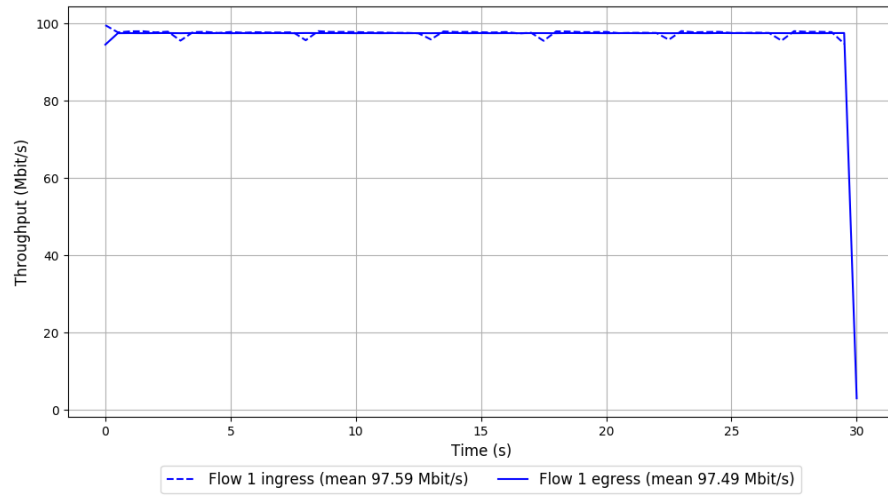


Run 8: Statistics of TCP Cubic

Start at: 2018-02-16 04:03:29
End at: 2018-02-16 04:03:59
Local clock offset: -4.817 ms
Remote clock offset: -6.447 ms

Below is generated by plot.py at 2018-02-16 05:25:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.881 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.881 ms
Loss rate: 0.01%

Run 8: Report of TCP Cubic — Data Link

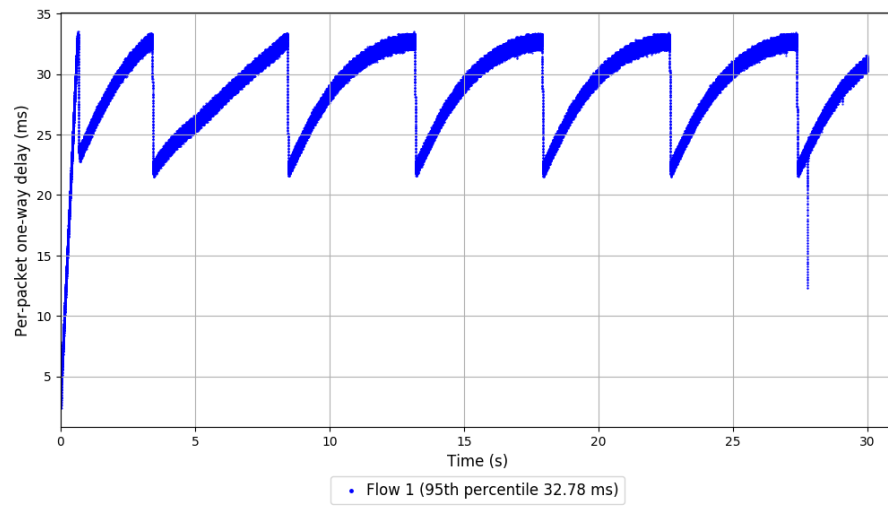
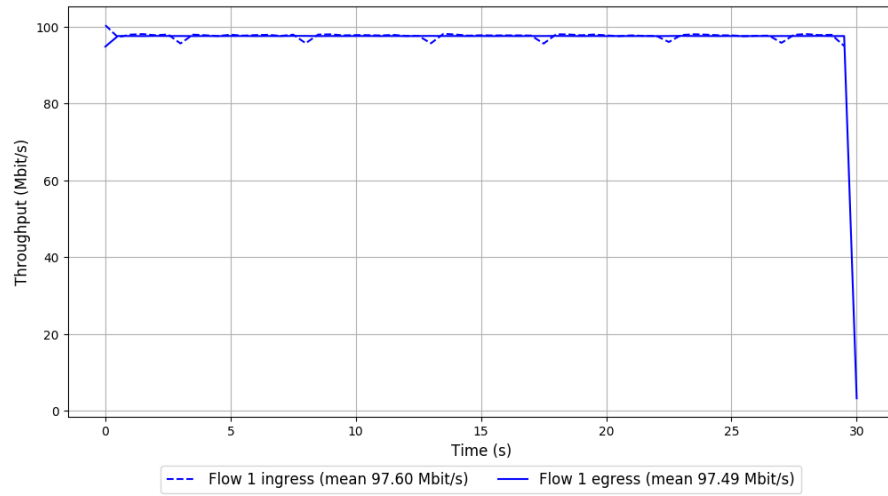


Run 9: Statistics of TCP Cubic

Start at: 2018-02-16 04:23:53
End at: 2018-02-16 04:24:23
Local clock offset: -2.59 ms
Remote clock offset: -6.175 ms

Below is generated by plot.py at 2018-02-16 05:25:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.783 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.783 ms
Loss rate: 0.01%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-02-16 04:44:14

End at: 2018-02-16 04:44:44

Local clock offset: -4.668 ms

Remote clock offset: -5.744 ms

Below is generated by plot.py at 2018-02-16 05:25:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 32.572 ms

Loss rate: 0.01%

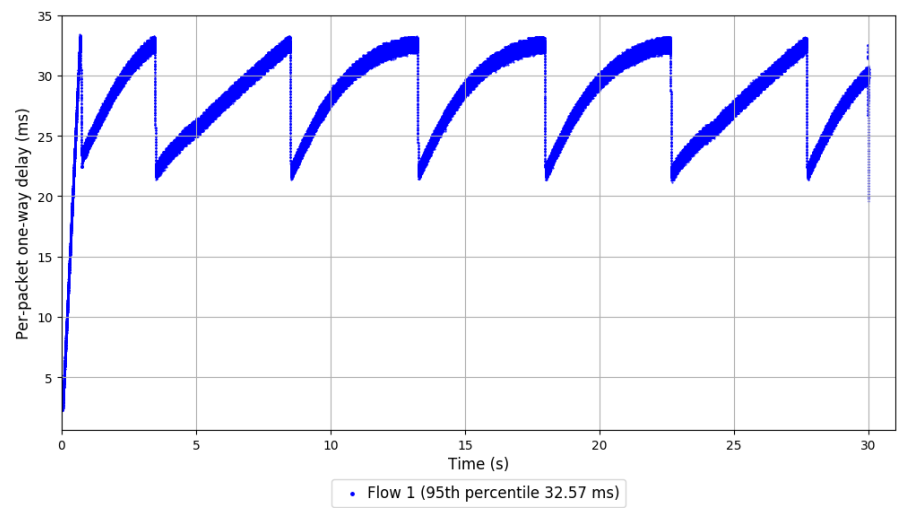
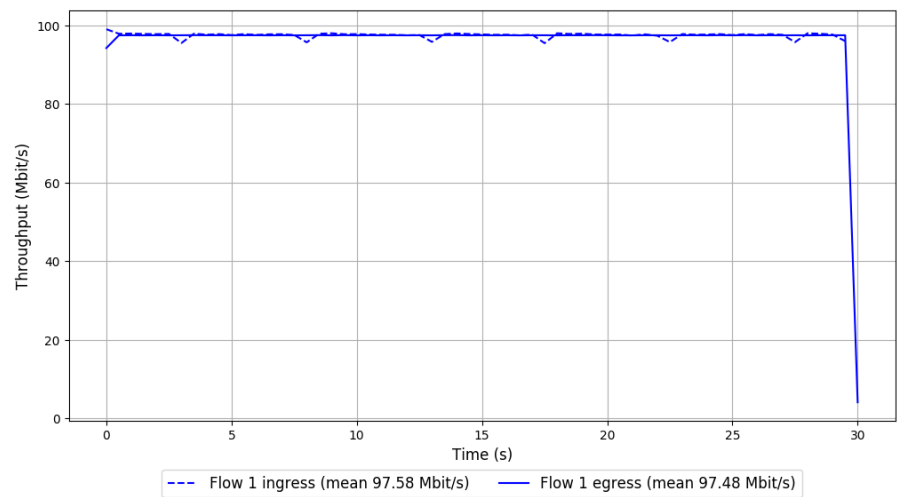
-- Flow 1:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 32.572 ms

Loss rate: 0.01%

Run 10: Report of TCP Cubic — Data Link

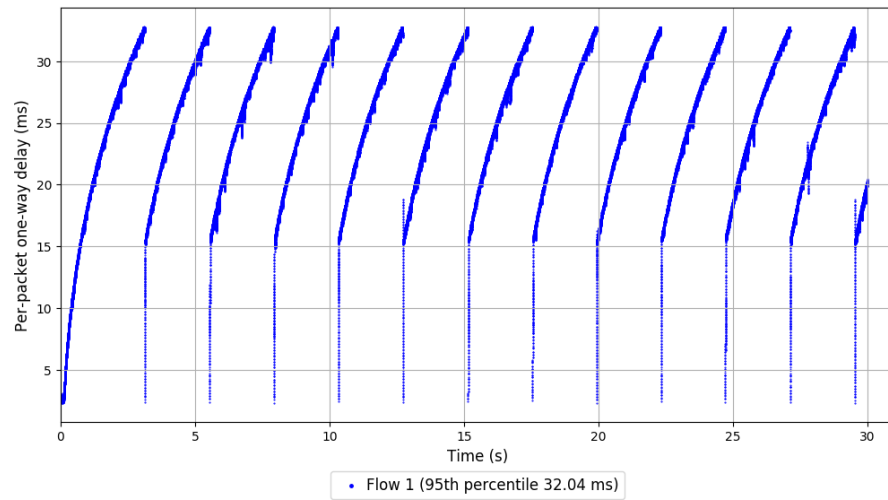
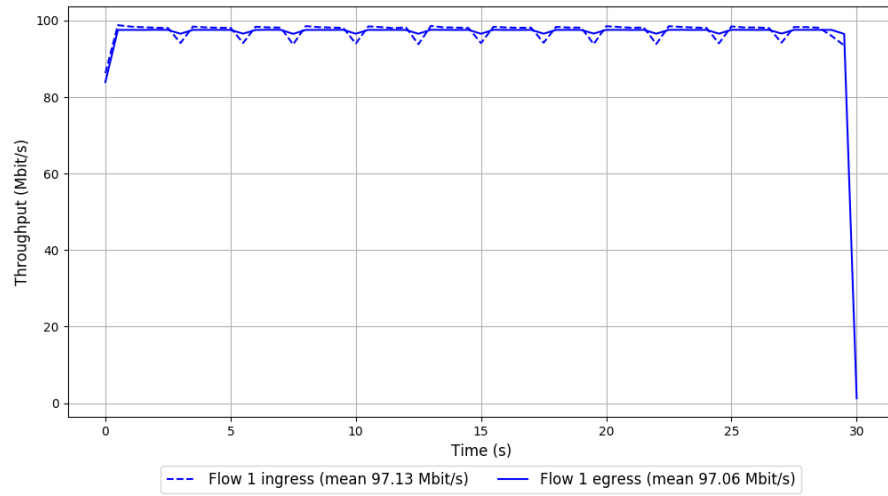


```
Run 1: Statistics of LEDBAT

Start at: 2018-02-16 01:45:33
End at: 2018-02-16 01:46:04
Local clock offset: -7.671 ms
Remote clock offset: -5.114 ms

# Below is generated by plot.py at 2018-02-16 05:25:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.06 Mbit/s
95th percentile per-packet one-way delay: 32.036 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.06 Mbit/s
95th percentile per-packet one-way delay: 32.036 ms
Loss rate: 0.01%
```

Run 1: Report of LEDBAT — Data Link

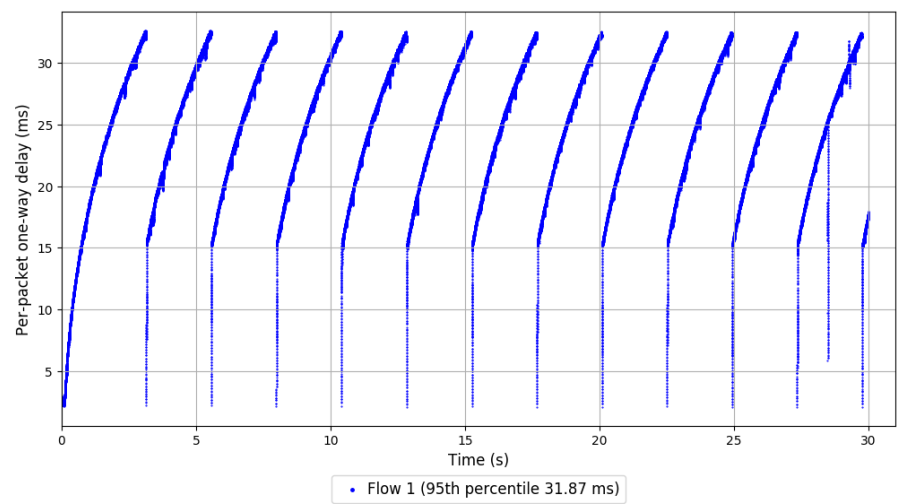
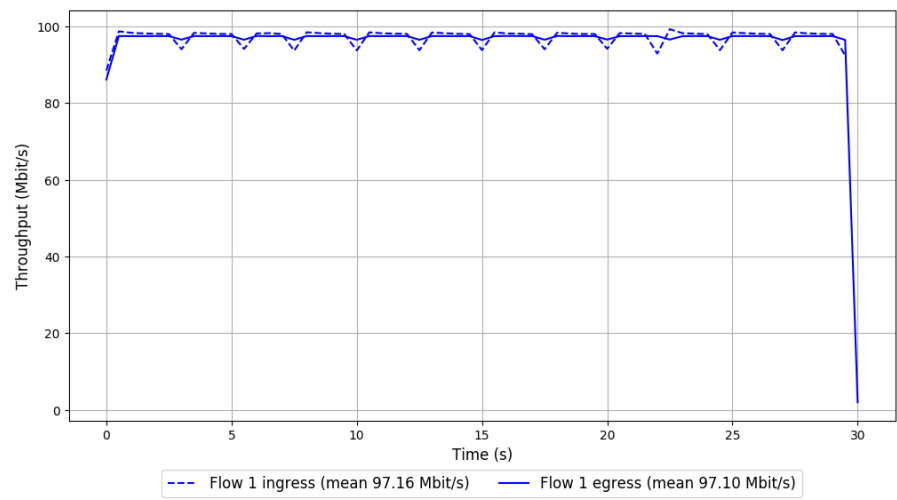


Run 2: Statistics of LEDBAT

Start at: 2018-02-16 02:06:29
End at: 2018-02-16 02:06:59
Local clock offset: -7.507 ms
Remote clock offset: -3.036 ms

Below is generated by plot.py at 2018-02-16 05:25:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 31.874 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 31.874 ms
Loss rate: 0.01%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-02-16 02:27:25

End at: 2018-02-16 02:27:55

Local clock offset: -6.114 ms

Remote clock offset: 0.194 ms

Below is generated by plot.py at 2018-02-16 05:25:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.86 Mbit/s

95th percentile per-packet one-way delay: 44.044 ms

Loss rate: 3.08%

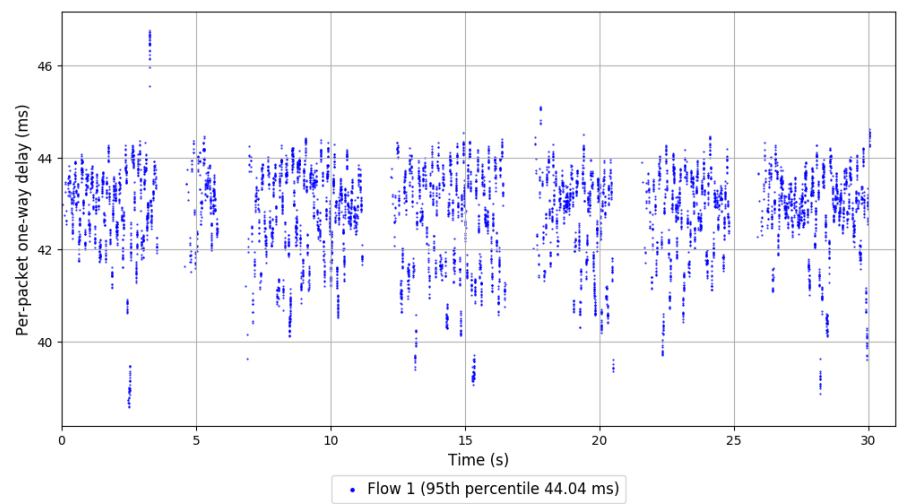
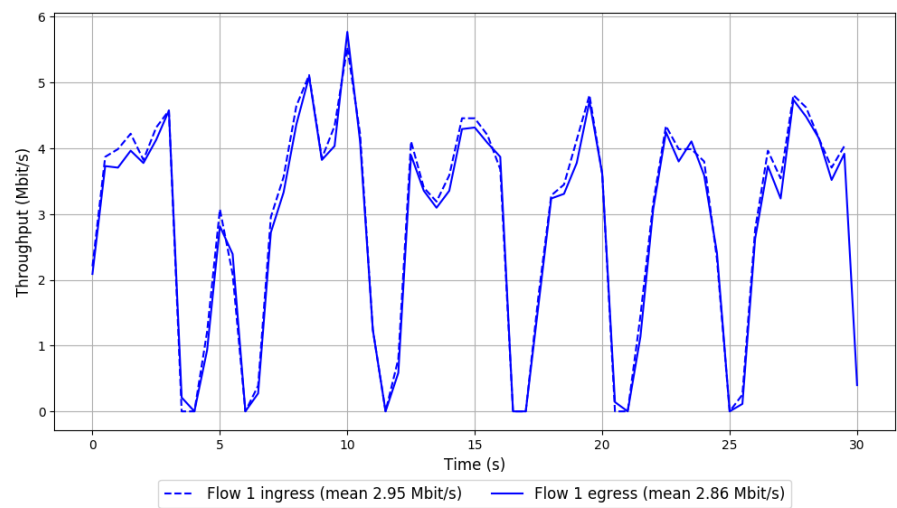
-- Flow 1:

Average throughput: 2.86 Mbit/s

95th percentile per-packet one-way delay: 44.044 ms

Loss rate: 3.08%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-02-16 02:48:07

End at: 2018-02-16 02:48:38

Local clock offset: -5.239 ms

Remote clock offset: 1.585 ms

Below is generated by plot.py at 2018-02-16 05:25:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.11 Mbit/s

95th percentile per-packet one-way delay: 32.121 ms

Loss rate: 0.01%

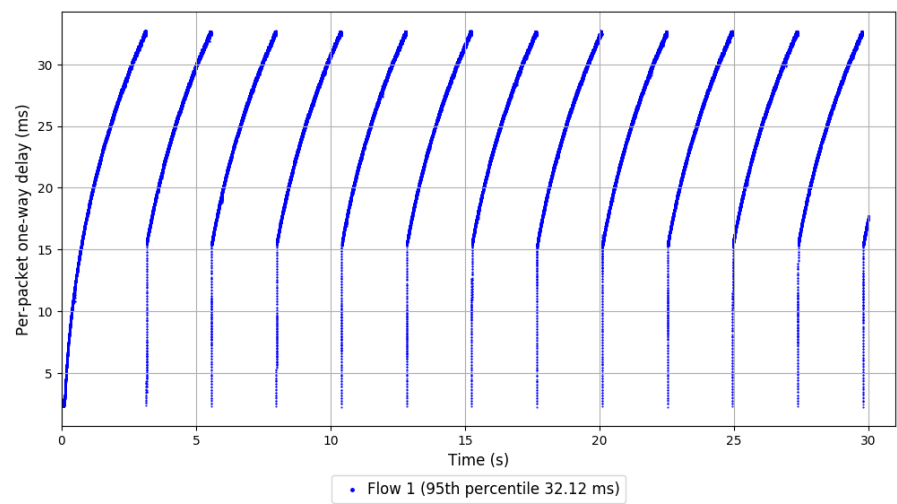
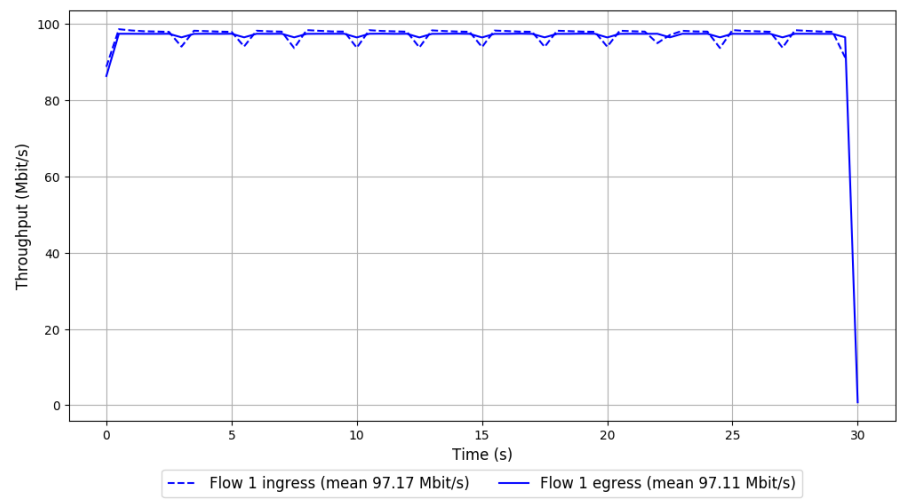
-- Flow 1:

Average throughput: 97.11 Mbit/s

95th percentile per-packet one-way delay: 32.121 ms

Loss rate: 0.01%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-02-16 03:08:57

End at: 2018-02-16 03:09:27

Local clock offset: -6.081 ms

Remote clock offset: 2.82 ms

Below is generated by plot.py at 2018-02-16 05:25:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.09 Mbit/s

95th percentile per-packet one-way delay: 42.693 ms

Loss rate: 0.58%

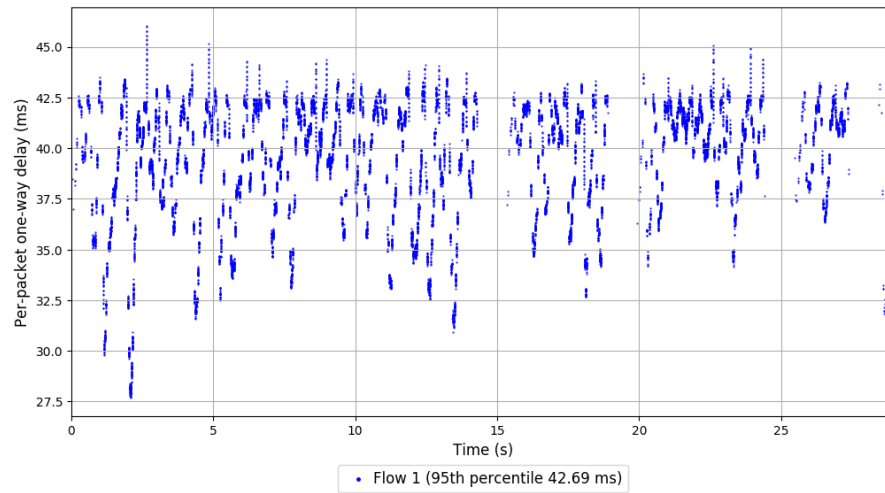
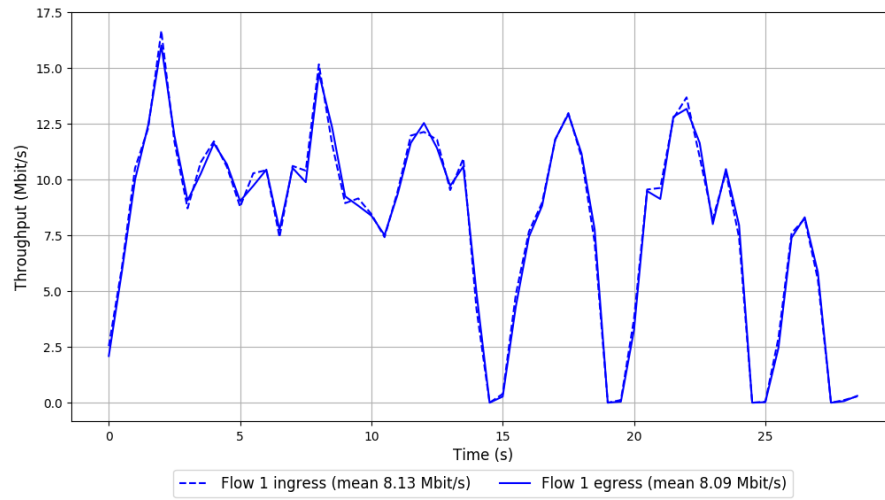
-- Flow 1:

Average throughput: 8.09 Mbit/s

95th percentile per-packet one-way delay: 42.693 ms

Loss rate: 0.58%

Run 5: Report of LEDBAT — Data Link

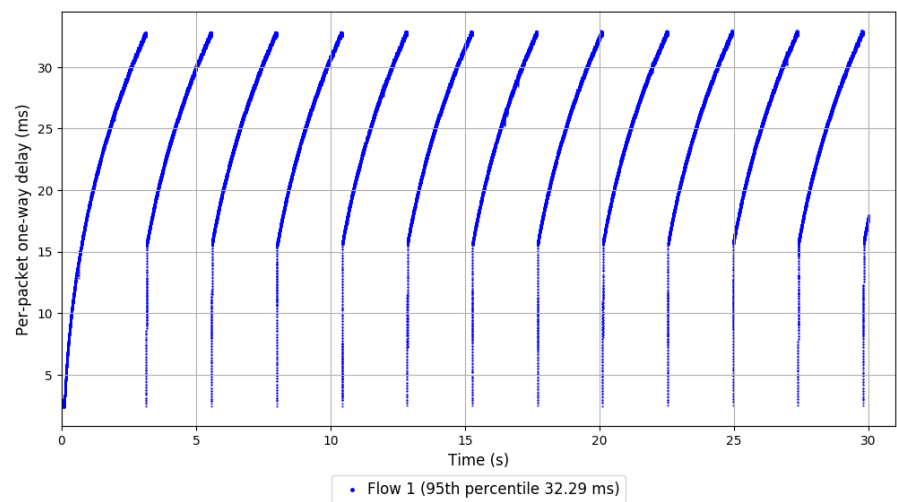
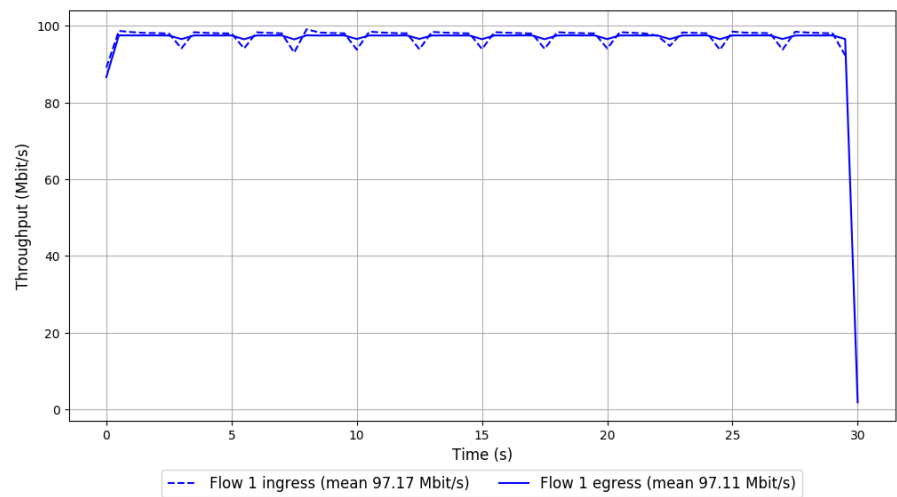


Run 6: Statistics of LEDBAT

Start at: 2018-02-16 03:29:27
End at: 2018-02-16 03:29:57
Local clock offset: -6.208 ms
Remote clock offset: -6.085 ms

Below is generated by plot.py at 2018-02-16 05:25:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.293 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.293 ms
Loss rate: 0.01%

Run 6: Report of LEDBAT — Data Link

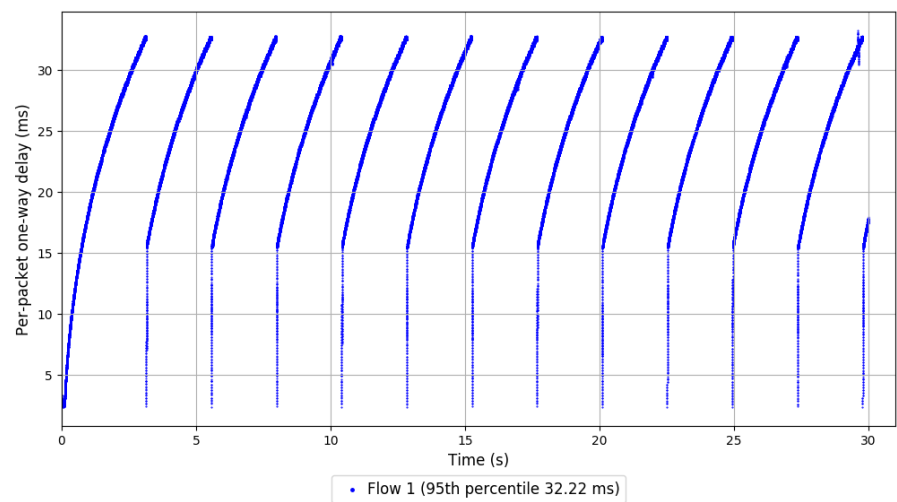
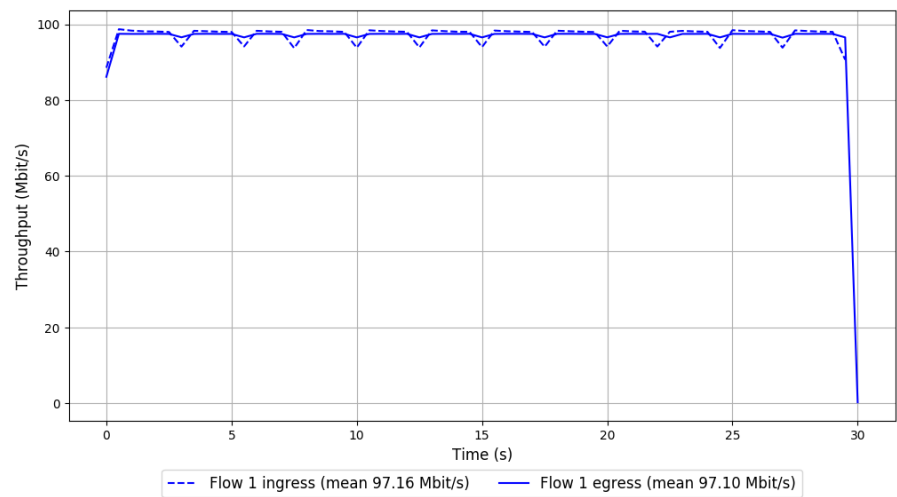


Run 7: Statistics of LEDBAT

Start at: 2018-02-16 03:49:52
End at: 2018-02-16 03:50:22
Local clock offset: -5.786 ms
Remote clock offset: -6.893 ms

Below is generated by plot.py at 2018-02-16 05:26:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 32.215 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 32.215 ms
Loss rate: 0.01%

Run 7: Report of LEDBAT — Data Link

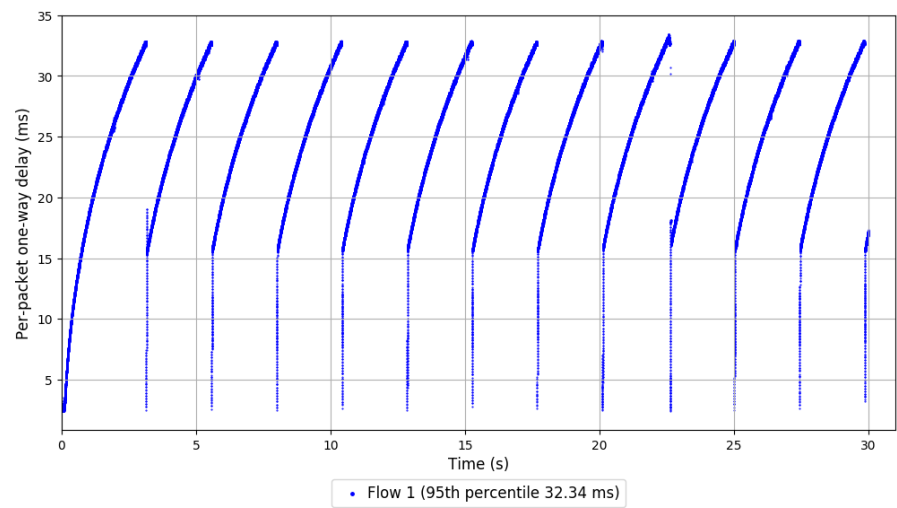
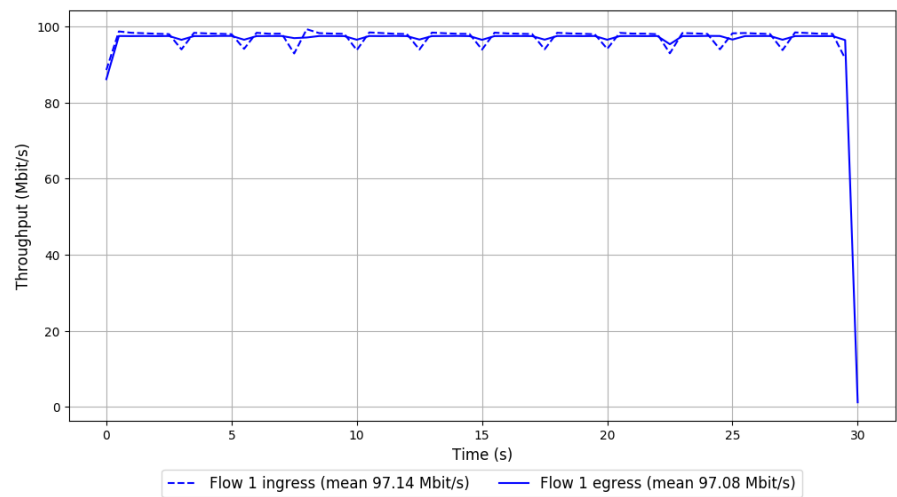


Run 8: Statistics of LEDBAT

Start at: 2018-02-16 04:10:16
End at: 2018-02-16 04:10:46
Local clock offset: -3.684 ms
Remote clock offset: -6.611 ms

Below is generated by plot.py at 2018-02-16 05:26:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 32.340 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 32.340 ms
Loss rate: 0.01%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-02-16 04:30:39

End at: 2018-02-16 04:31:09

Local clock offset: -2.178 ms

Remote clock offset: -5.81 ms

Below is generated by plot.py at 2018-02-16 05:26:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.11 Mbit/s

95th percentile per-packet one-way delay: 32.222 ms

Loss rate: 0.01%

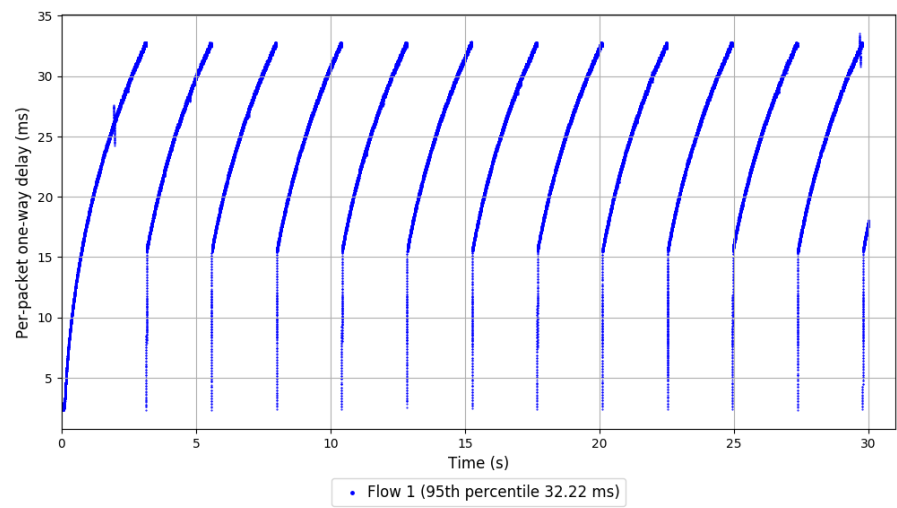
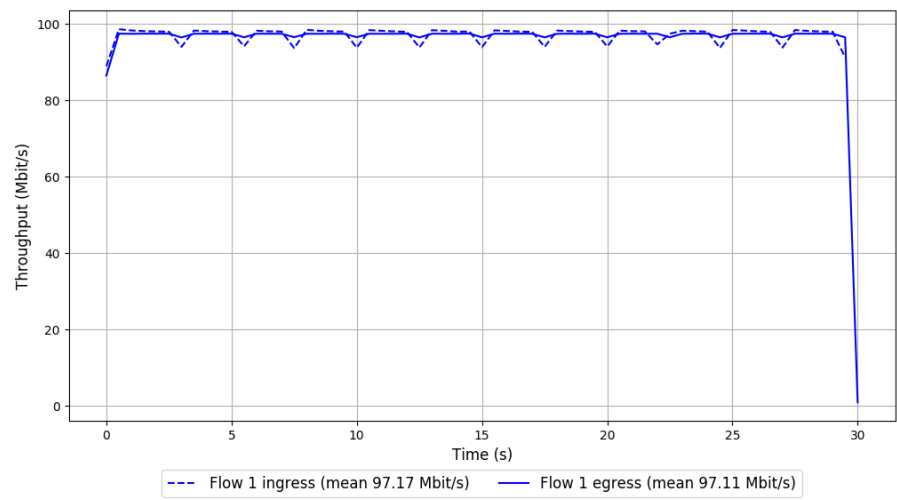
-- Flow 1:

Average throughput: 97.11 Mbit/s

95th percentile per-packet one-way delay: 32.222 ms

Loss rate: 0.01%

Run 9: Report of LEDBAT — Data Link

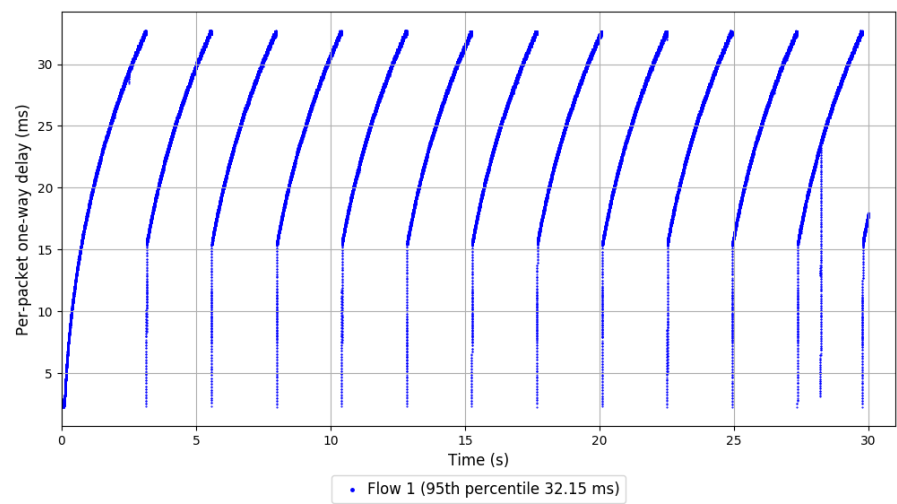
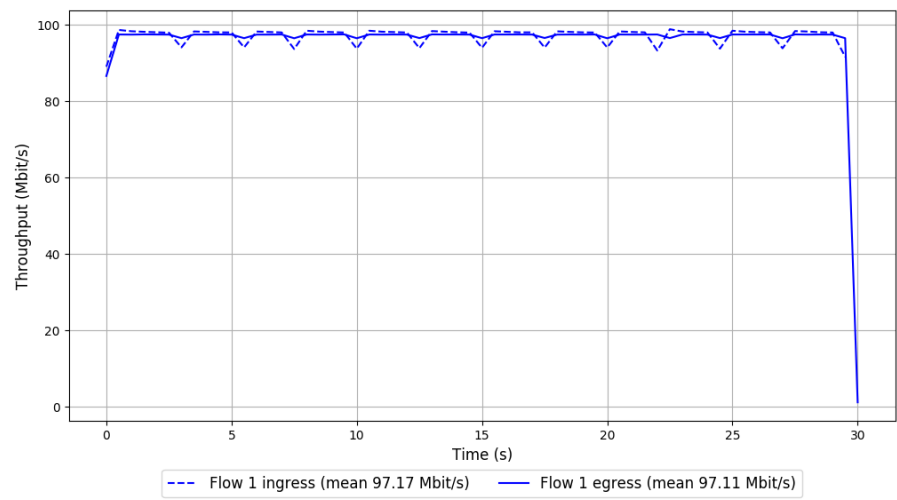


Run 10: Statistics of LEDBAT

Start at: 2018-02-16 04:51:01
End at: 2018-02-16 04:51:31
Local clock offset: -5.396 ms
Remote clock offset: -5.838 ms

Below is generated by plot.py at 2018-02-16 05:26:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.145 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.145 ms
Loss rate: 0.01%

Run 10: Report of LEDBAT — Data Link

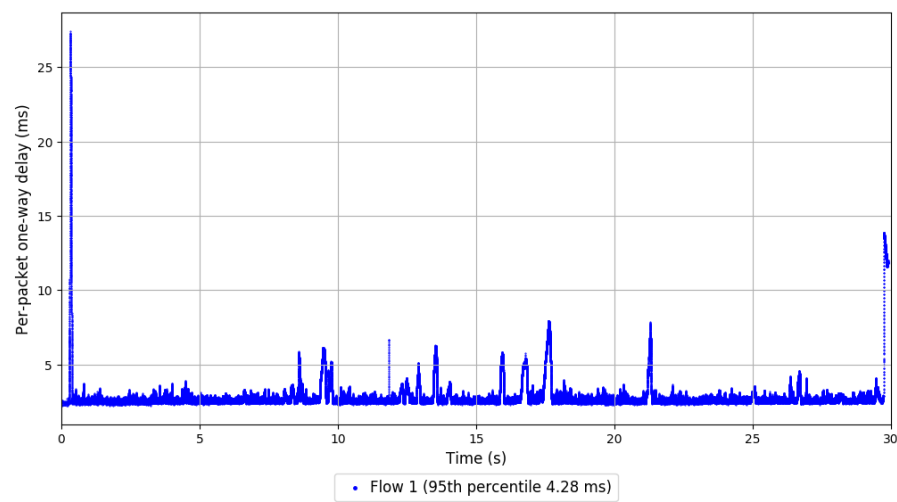
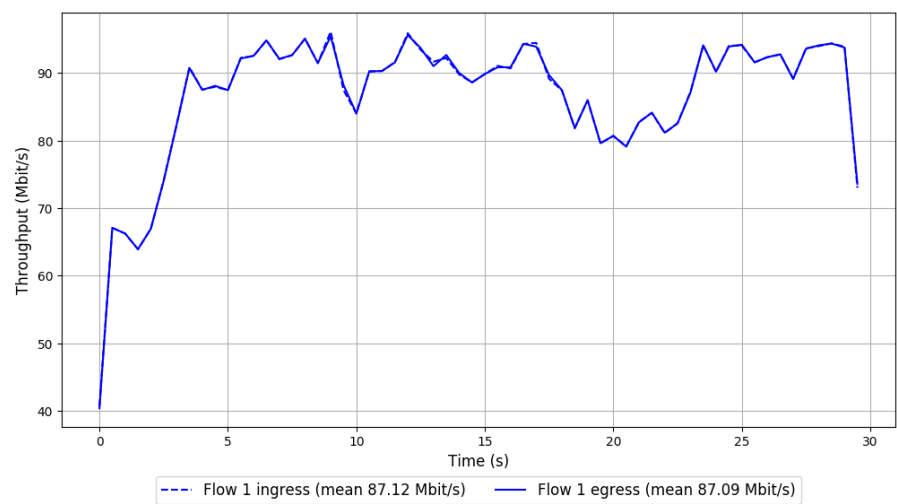


Run 1: Statistics of PCC

Start at: 2018-02-16 01:46:46
End at: 2018-02-16 01:47:16
Local clock offset: -7.613 ms
Remote clock offset: -5.093 ms

Below is generated by plot.py at 2018-02-16 05:26:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.09 Mbit/s
95th percentile per-packet one-way delay: 4.278 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.09 Mbit/s
95th percentile per-packet one-way delay: 4.278 ms
Loss rate: 0.00%

Run 1: Report of PCC — Data Link

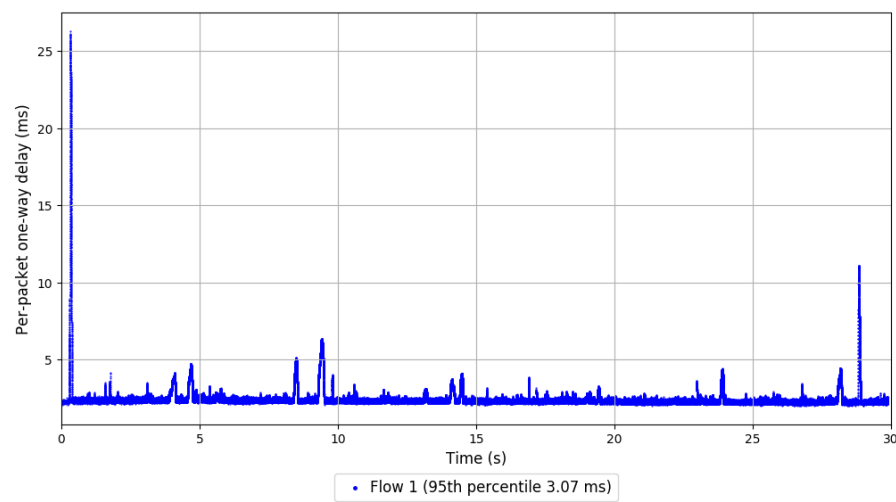
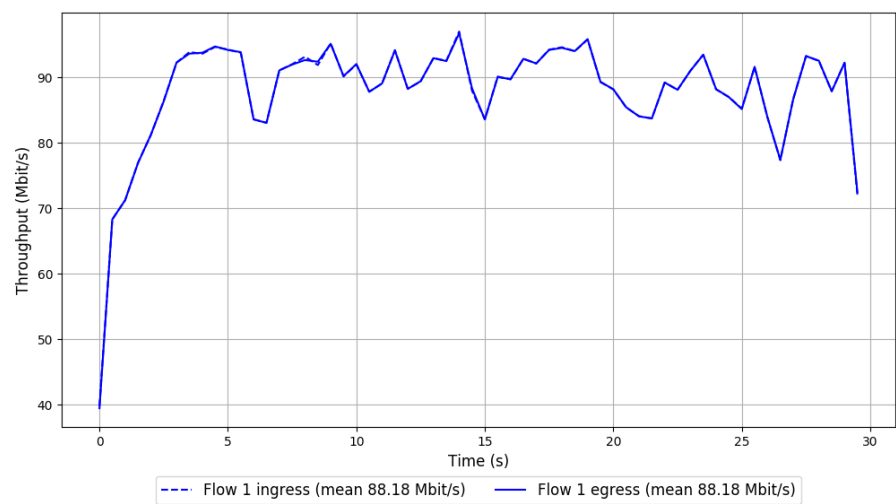


Run 2: Statistics of PCC

Start at: 2018-02-16 02:07:40
End at: 2018-02-16 02:08:10
Local clock offset: -7.514 ms
Remote clock offset: -2.661 ms

Below is generated by plot.py at 2018-02-16 05:26:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.18 Mbit/s
95th percentile per-packet one-way delay: 3.070 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.18 Mbit/s
95th percentile per-packet one-way delay: 3.070 ms
Loss rate: 0.00%

Run 2: Report of PCC — Data Link

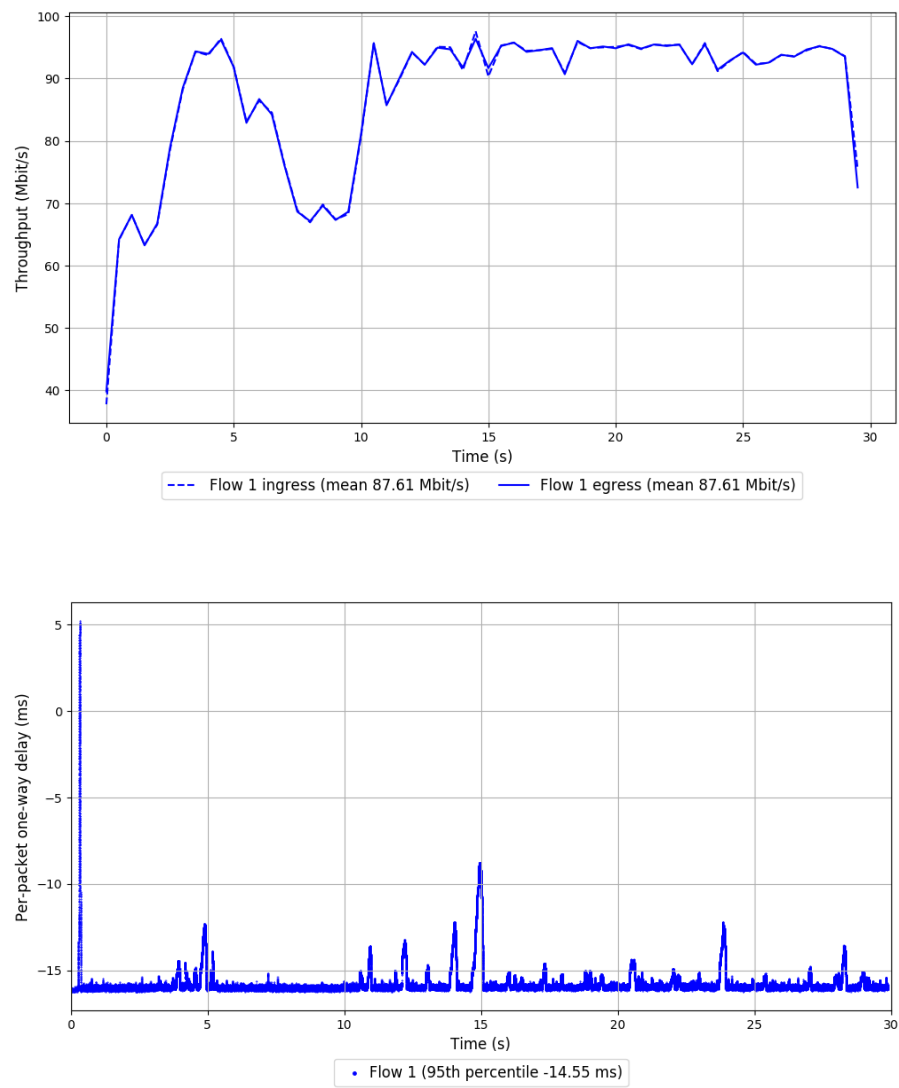


Run 3: Statistics of PCC

Start at: 2018-02-16 02:28:30
End at: 2018-02-16 02:29:00
Local clock offset: -6.06 ms
Remote clock offset: -18.237 ms

Below is generated by plot.py at 2018-02-16 05:26:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.61 Mbit/s
95th percentile per-packet one-way delay: -14.550 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.61 Mbit/s
95th percentile per-packet one-way delay: -14.550 ms
Loss rate: 0.00%

Run 3: Report of PCC — Data Link

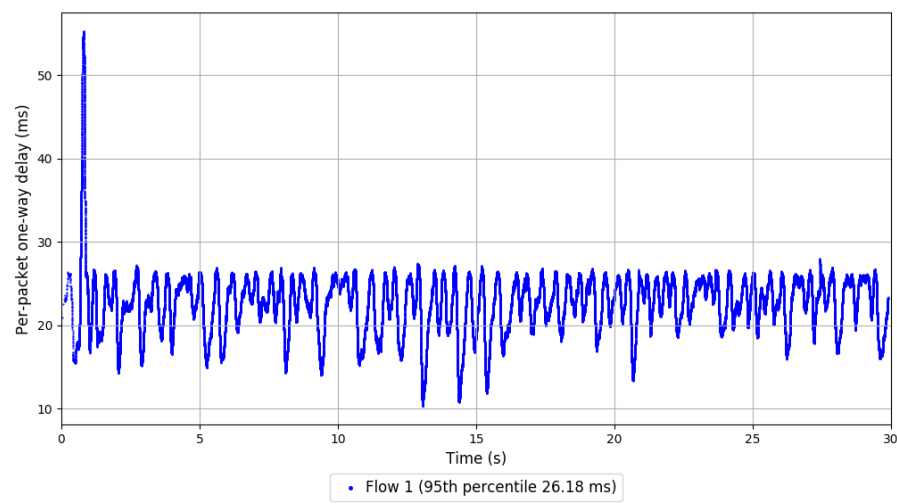
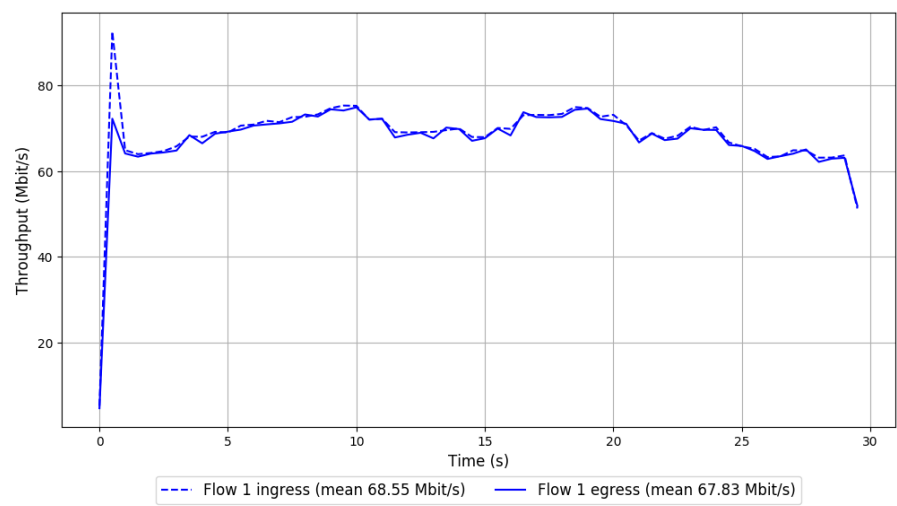


Run 4: Statistics of PCC

Start at: 2018-02-16 02:49:19
End at: 2018-02-16 02:49:49
Local clock offset: -5.256 ms
Remote clock offset: -15.638 ms

Below is generated by plot.py at 2018-02-16 05:26:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.83 Mbit/s
95th percentile per-packet one-way delay: 26.177 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 67.83 Mbit/s
95th percentile per-packet one-way delay: 26.177 ms
Loss rate: 1.10%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-02-16 03:10:03

End at: 2018-02-16 03:10:33

Local clock offset: -6.17 ms

Remote clock offset: 2.565 ms

Below is generated by plot.py at 2018-02-16 05:27:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.16 Mbit/s

95th percentile per-packet one-way delay: 33.087 ms

Loss rate: 0.17%

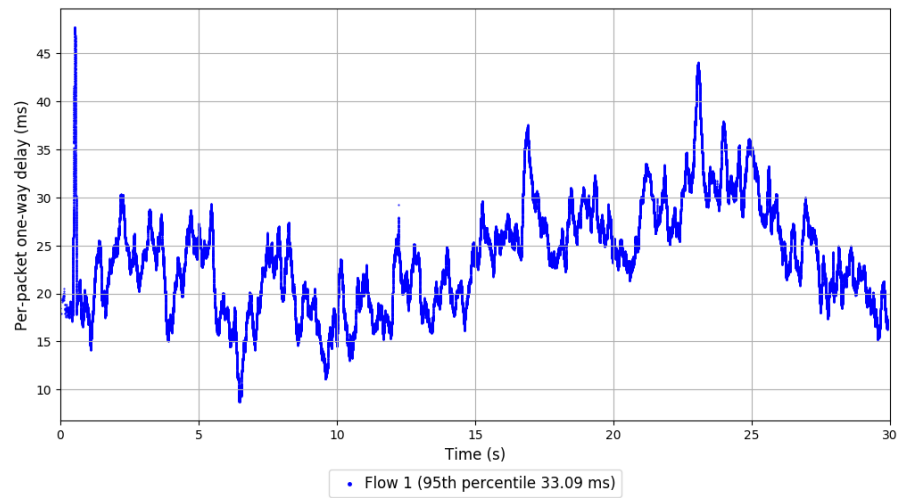
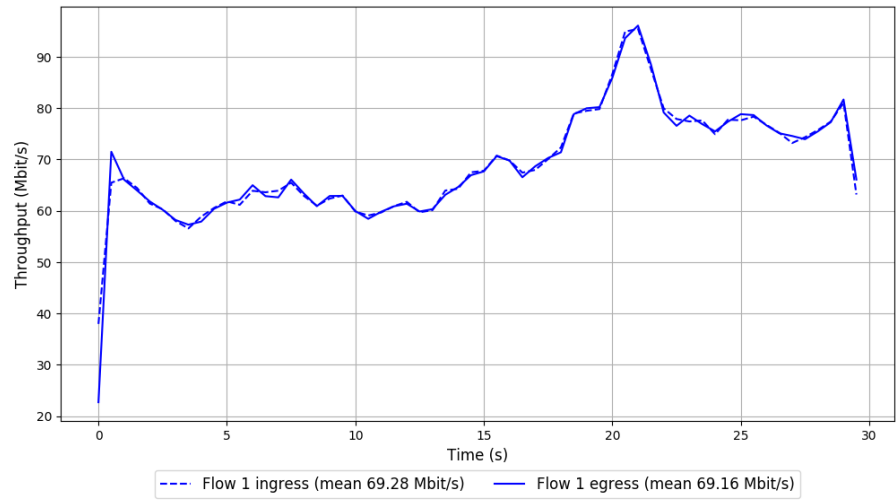
-- Flow 1:

Average throughput: 69.16 Mbit/s

95th percentile per-packet one-way delay: 33.087 ms

Loss rate: 0.17%

Run 5: Report of PCC — Data Link

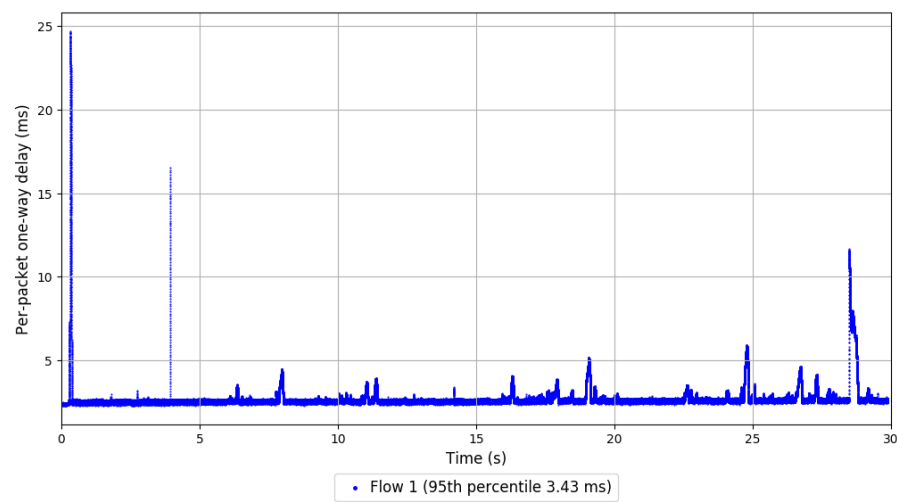
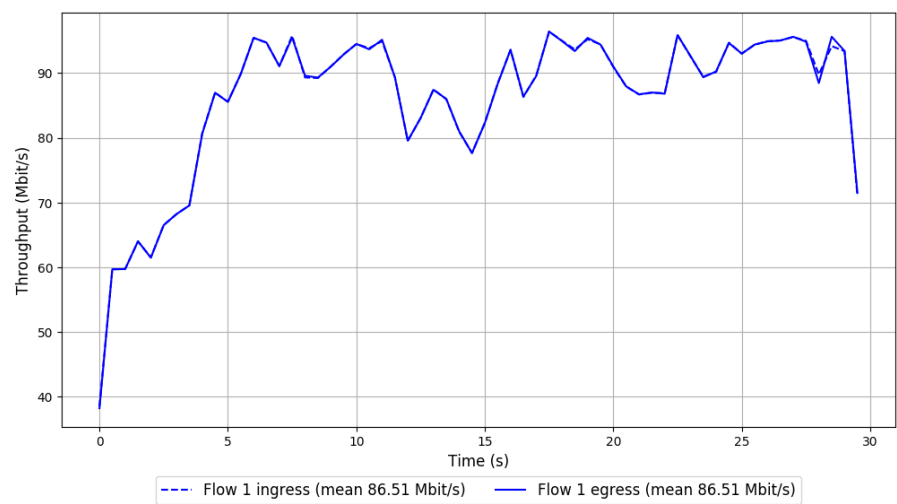


Run 6: Statistics of PCC

Start at: 2018-02-16 03:30:36
End at: 2018-02-16 03:31:06
Local clock offset: -6.158 ms
Remote clock offset: -6.302 ms

Below is generated by plot.py at 2018-02-16 05:27:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.51 Mbit/s
95th percentile per-packet one-way delay: 3.434 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.51 Mbit/s
95th percentile per-packet one-way delay: 3.434 ms
Loss rate: 0.00%

Run 6: Report of PCC — Data Link

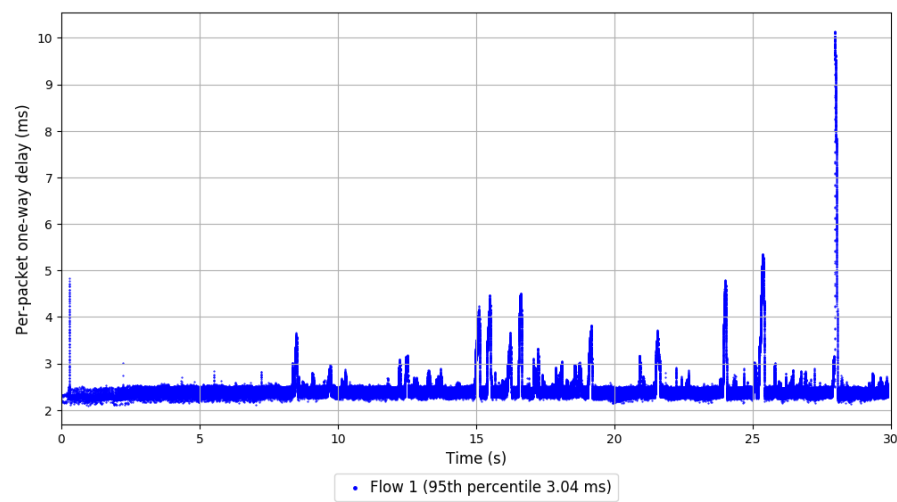
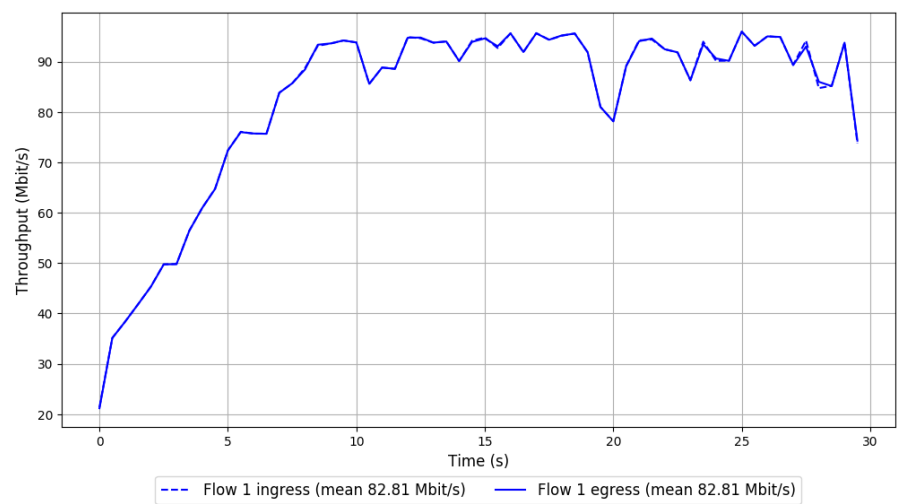


Run 7: Statistics of PCC

Start at: 2018-02-16 03:51:01
End at: 2018-02-16 03:51:31
Local clock offset: -5.685 ms
Remote clock offset: -6.801 ms

Below is generated by plot.py at 2018-02-16 05:27:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.81 Mbit/s
95th percentile per-packet one-way delay: 3.035 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.81 Mbit/s
95th percentile per-packet one-way delay: 3.035 ms
Loss rate: 0.00%

Run 7: Report of PCC — Data Link

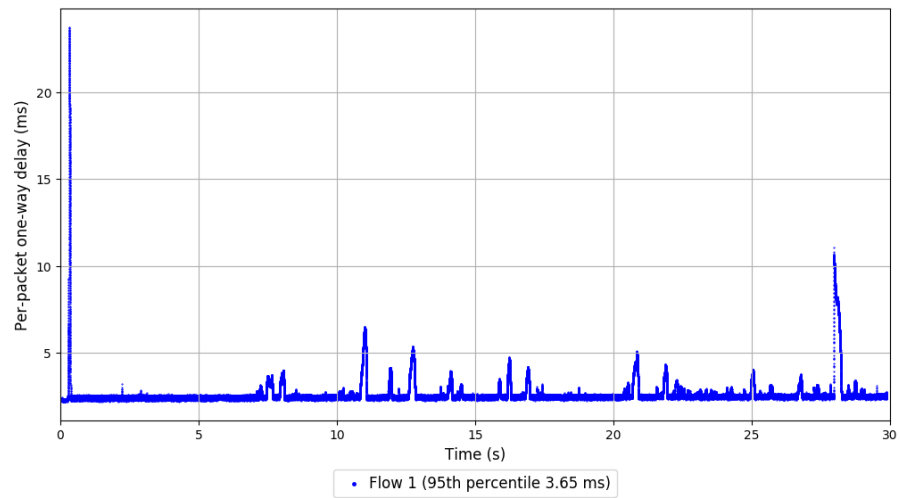
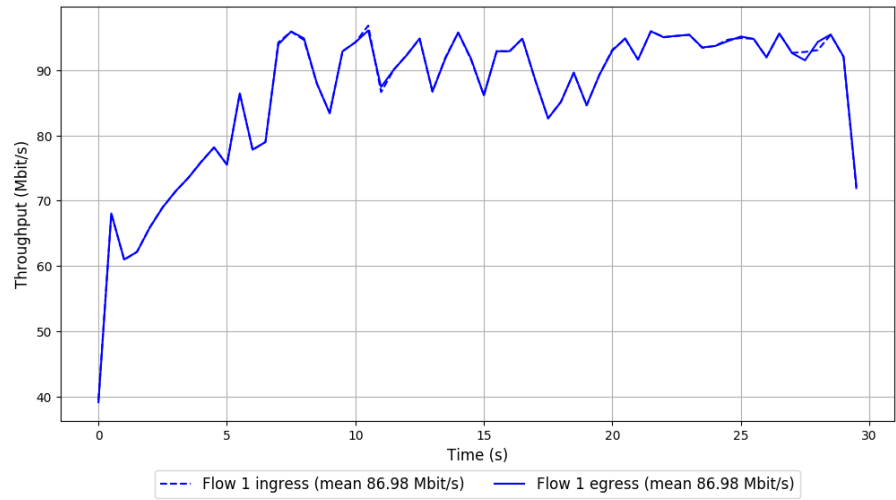


Run 8: Statistics of PCC

Start at: 2018-02-16 04:11:25
End at: 2018-02-16 04:11:55
Local clock offset: -3.501 ms
Remote clock offset: -6.724 ms

Below is generated by plot.py at 2018-02-16 05:27:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.98 Mbit/s
95th percentile per-packet one-way delay: 3.651 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.98 Mbit/s
95th percentile per-packet one-way delay: 3.651 ms
Loss rate: 0.00%

Run 8: Report of PCC — Data Link

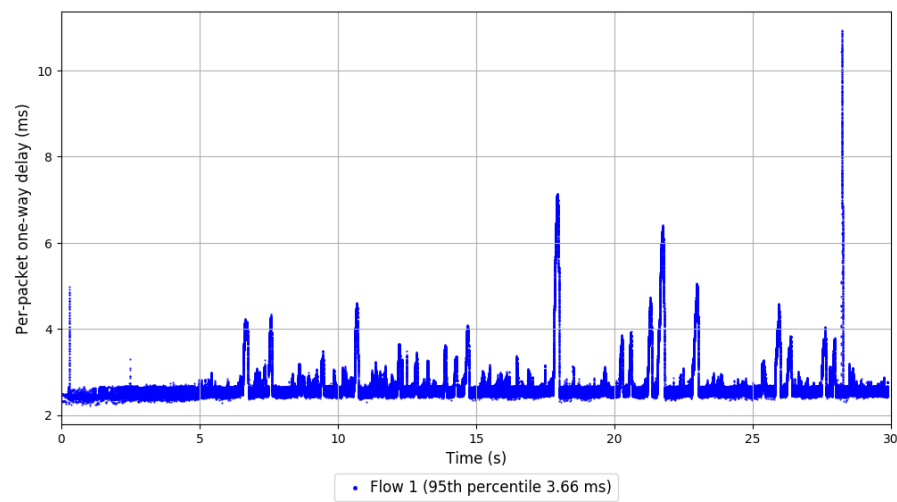
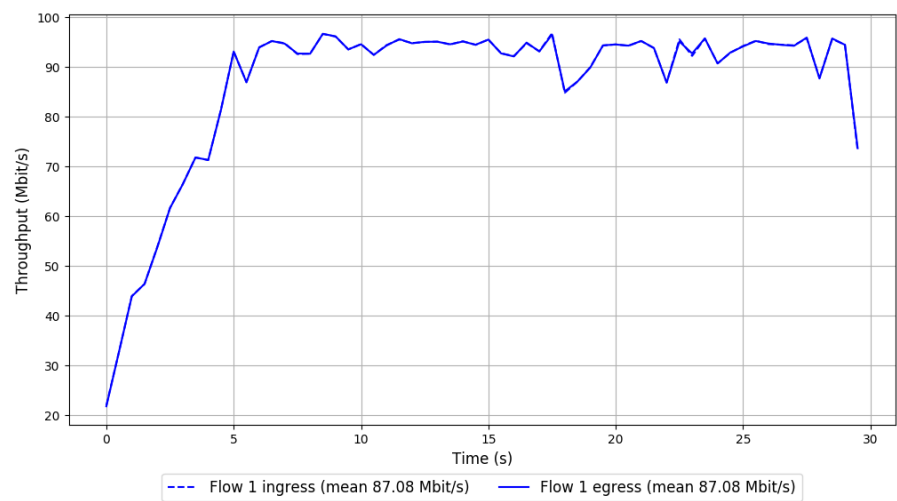


Run 9: Statistics of PCC

Start at: 2018-02-16 04:31:48
End at: 2018-02-16 04:32:19
Local clock offset: -2.189 ms
Remote clock offset: -5.779 ms

Below is generated by plot.py at 2018-02-16 05:27:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.08 Mbit/s
95th percentile per-packet one-way delay: 3.663 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.08 Mbit/s
95th percentile per-packet one-way delay: 3.663 ms
Loss rate: 0.00%

Run 9: Report of PCC — Data Link

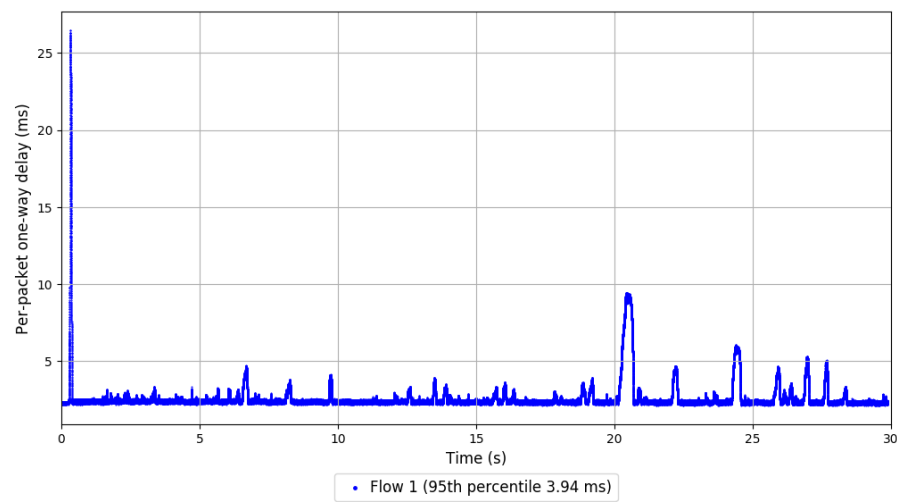
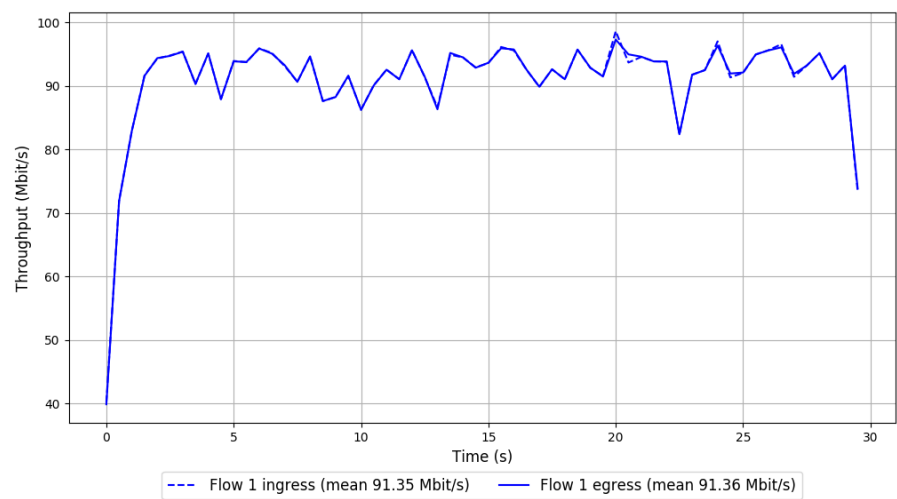


Run 10: Statistics of PCC

Start at: 2018-02-16 04:52:10
End at: 2018-02-16 04:52:40
Local clock offset: -5.475 ms
Remote clock offset: -5.858 ms

Below is generated by plot.py at 2018-02-16 05:27:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.36 Mbit/s
95th percentile per-packet one-way delay: 3.943 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.36 Mbit/s
95th percentile per-packet one-way delay: 3.943 ms
Loss rate: 0.00%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

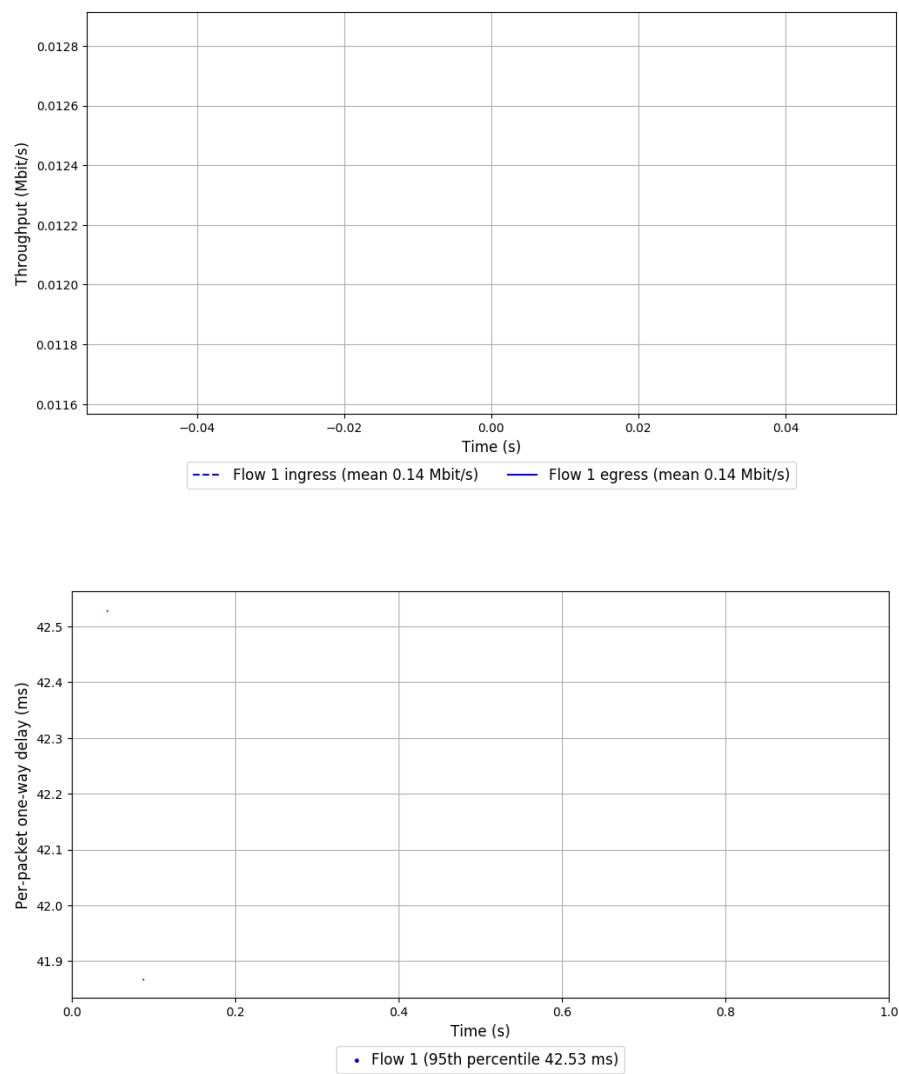
Start at: 2018-02-16 01:49:07

End at: 2018-02-16 01:49:37

Local clock offset: -7.558 ms

Remote clock offset: -5.067 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-02-16 02:10:00

End at: 2018-02-16 02:10:30

Local clock offset: -7.582 ms

Remote clock offset: -2.054 ms

Below is generated by plot.py at 2018-02-16 05:27:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.22 Mbit/s

95th percentile per-packet one-way delay: 43.838 ms

Loss rate: 3.15%

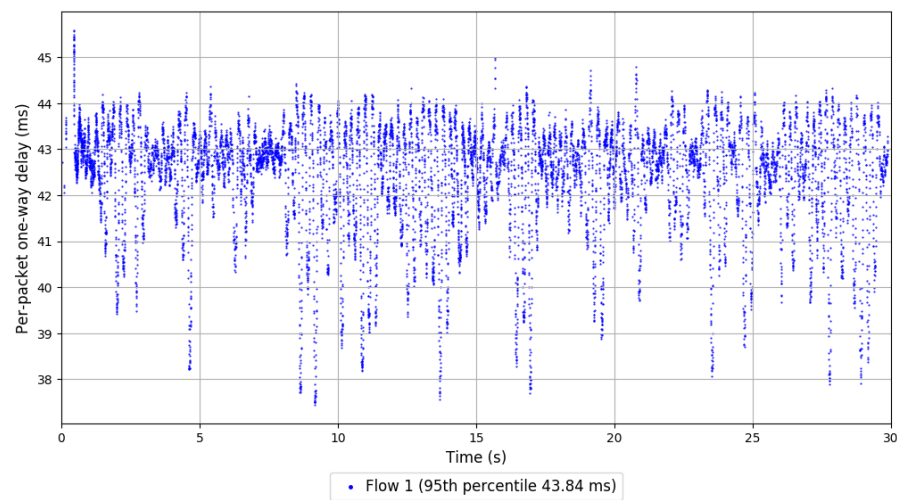
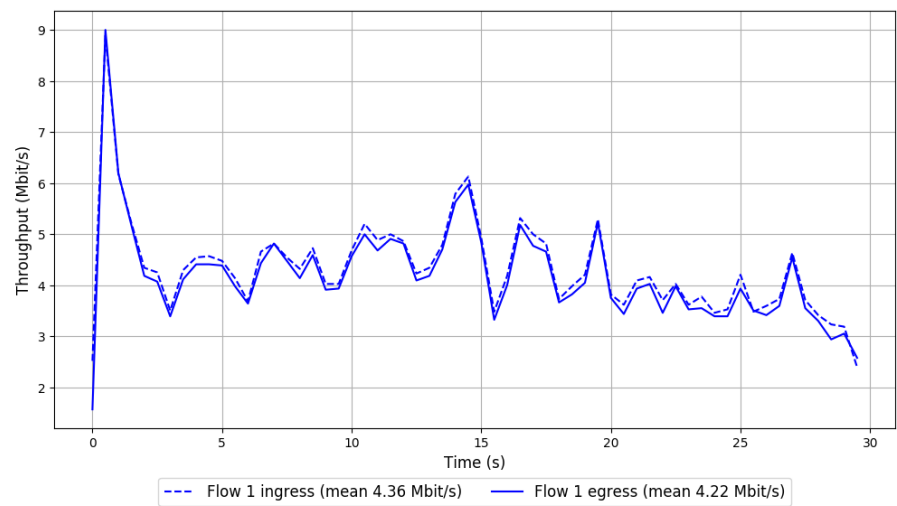
-- Flow 1:

Average throughput: 4.22 Mbit/s

95th percentile per-packet one-way delay: 43.838 ms

Loss rate: 3.15%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-02-16 02:30:49

End at: 2018-02-16 02:31:19

Local clock offset: -5.836 ms

Remote clock offset: 0.478 ms

Below is generated by plot.py at 2018-02-16 05:27:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.49 Mbit/s

95th percentile per-packet one-way delay: 18.781 ms

Loss rate: 0.06%

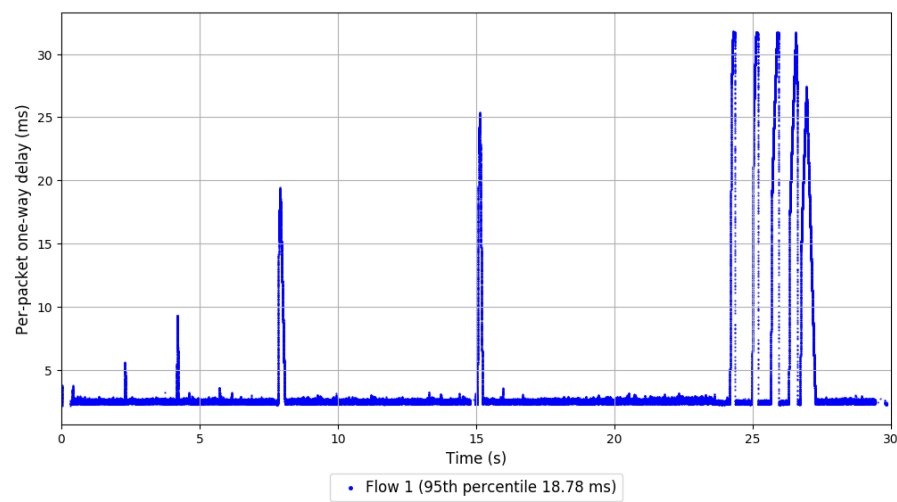
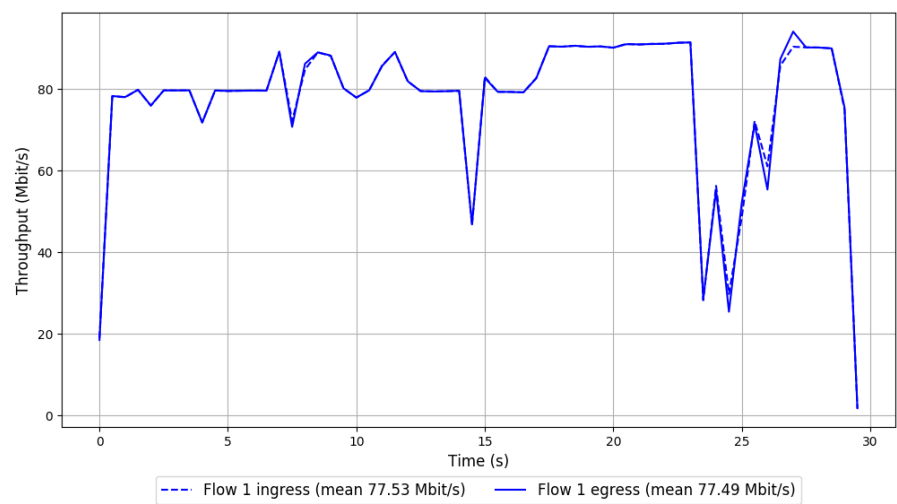
-- Flow 1:

Average throughput: 77.49 Mbit/s

95th percentile per-packet one-way delay: 18.781 ms

Loss rate: 0.06%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-02-16 02:51:37

End at: 2018-02-16 02:52:07

Local clock offset: -5.199 ms

Remote clock offset: 1.726 ms

Below is generated by plot.py at 2018-02-16 05:27:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.76 Mbit/s

95th percentile per-packet one-way delay: 23.121 ms

Loss rate: 0.06%

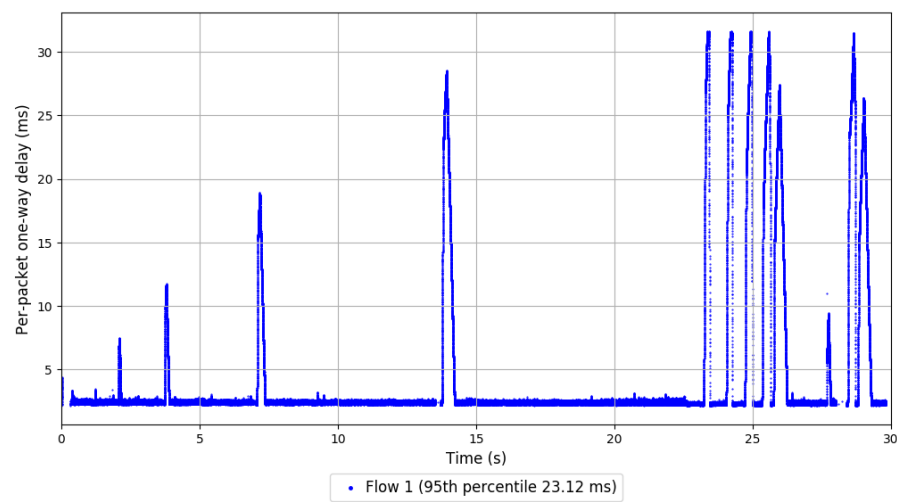
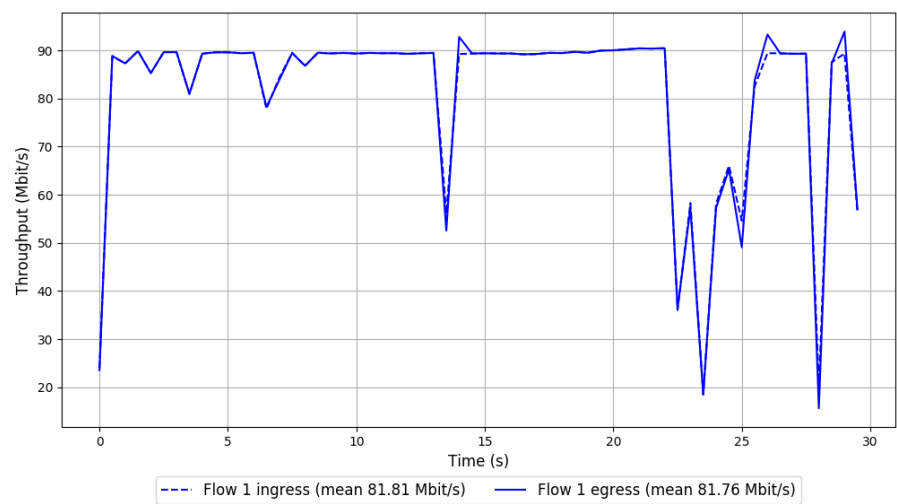
-- Flow 1:

Average throughput: 81.76 Mbit/s

95th percentile per-packet one-way delay: 23.121 ms

Loss rate: 0.06%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-02-16 03:12:21

End at: 2018-02-16 03:12:51

Local clock offset: -6.158 ms

Remote clock offset: 0.711 ms

Below is generated by plot.py at 2018-02-16 05:27:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.91 Mbit/s

95th percentile per-packet one-way delay: 43.773 ms

Loss rate: 0.30%

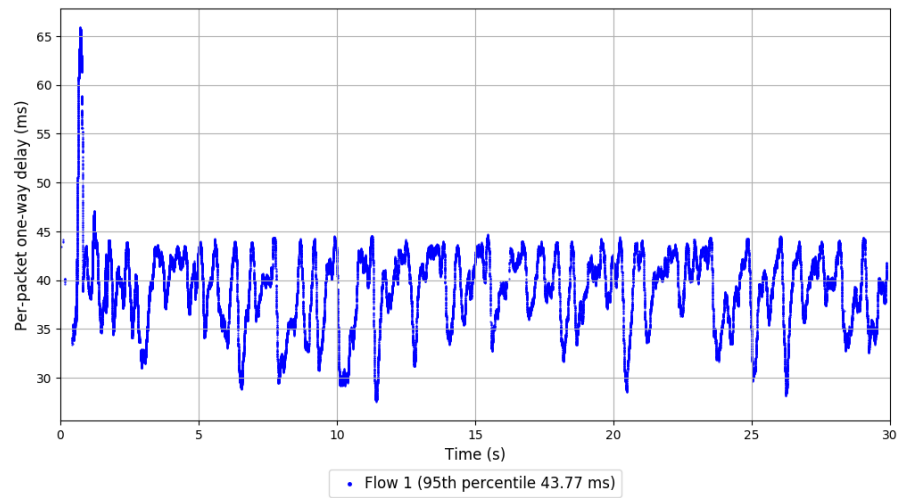
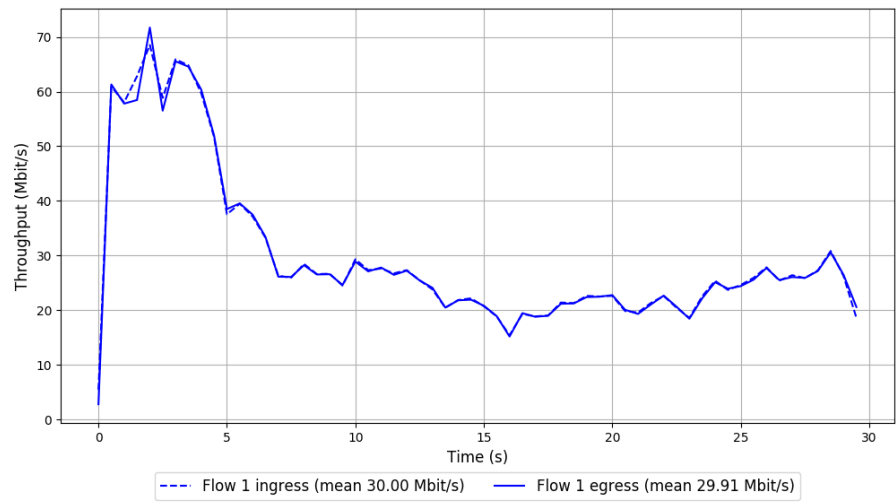
-- Flow 1:

Average throughput: 29.91 Mbit/s

95th percentile per-packet one-way delay: 43.773 ms

Loss rate: 0.30%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-02-16 03:32:53

End at: 2018-02-16 03:33:23

Local clock offset: -6.07 ms

Remote clock offset: -6.598 ms

Below is generated by plot.py at 2018-02-16 05:29:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.65 Mbit/s

95th percentile per-packet one-way delay: 22.879 ms

Loss rate: 0.06%

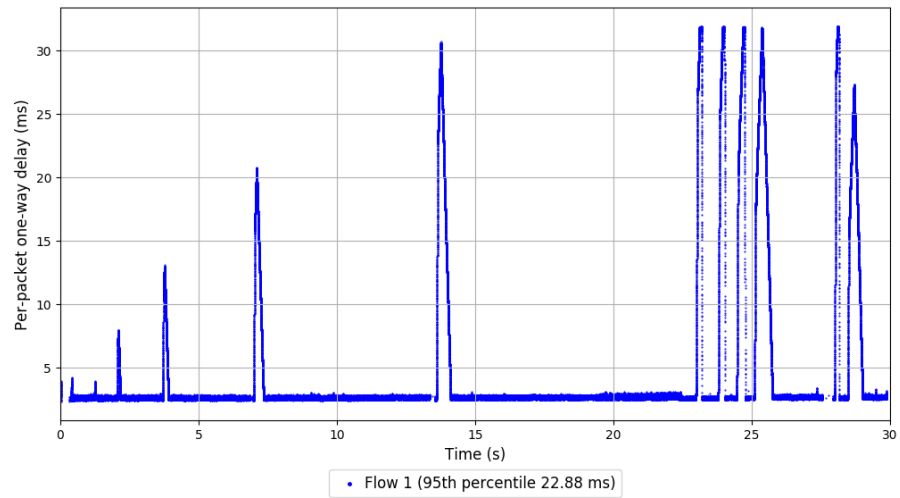
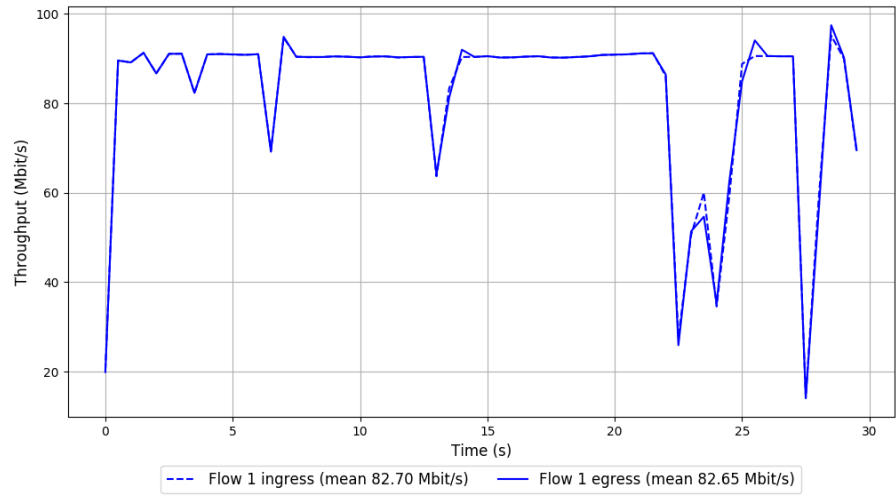
-- Flow 1:

Average throughput: 82.65 Mbit/s

95th percentile per-packet one-way delay: 22.879 ms

Loss rate: 0.06%

Run 6: Report of QUIC Cubic — Data Link

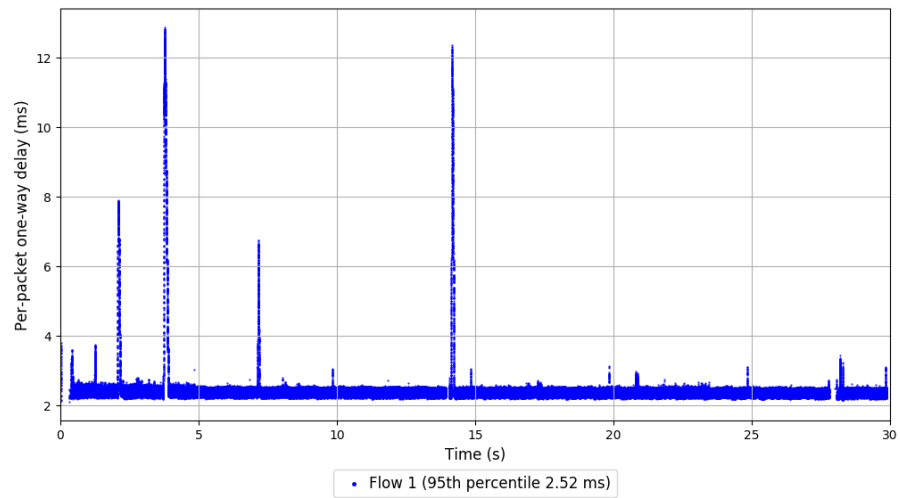
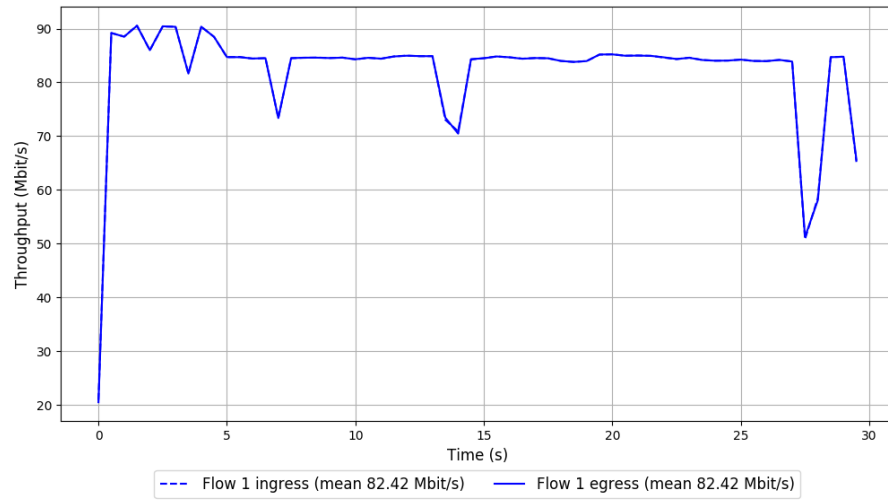


Run 7: Statistics of QUIC Cubic

Start at: 2018-02-16 03:53:17
End at: 2018-02-16 03:53:47
Local clock offset: -5.699 ms
Remote clock offset: -6.695 ms

Below is generated by plot.py at 2018-02-16 05:29:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.42 Mbit/s
95th percentile per-packet one-way delay: 2.519 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.42 Mbit/s
95th percentile per-packet one-way delay: 2.519 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

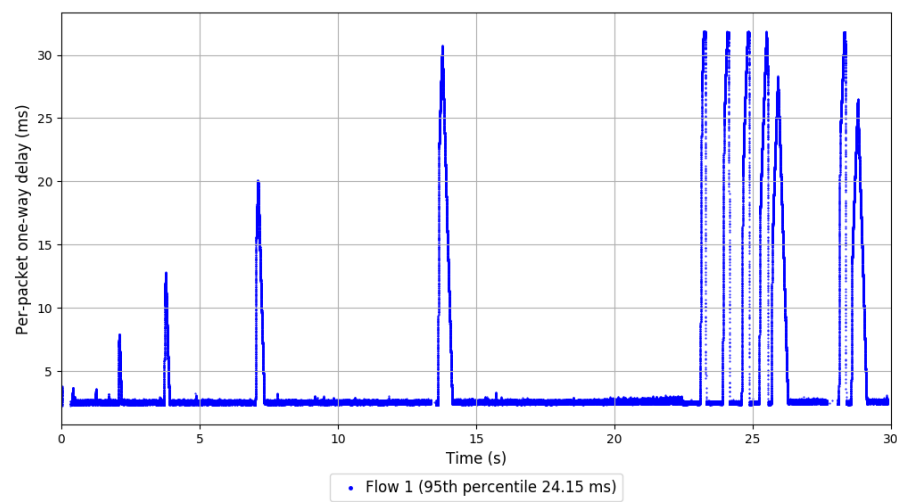
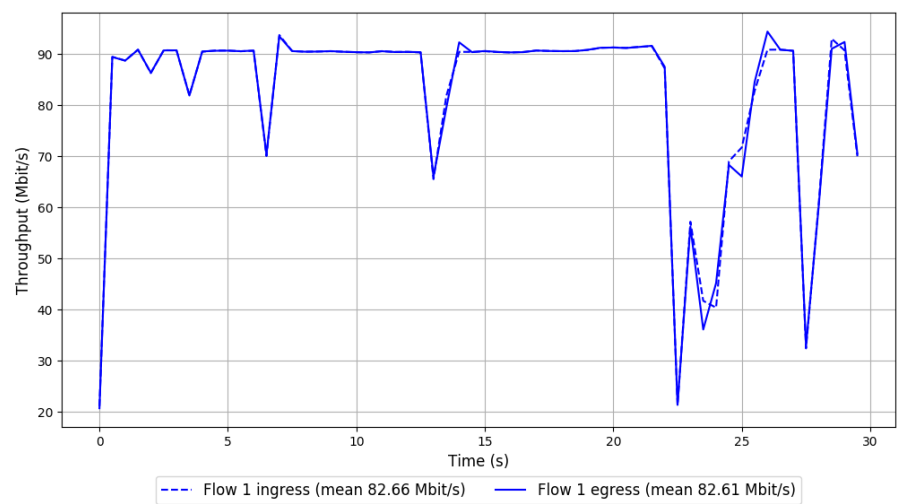


Run 8: Statistics of QUIC Cubic

Start at: 2018-02-16 04:13:41
End at: 2018-02-16 04:14:11
Local clock offset: -3.287 ms
Remote clock offset: -6.743 ms

Below is generated by plot.py at 2018-02-16 05:29:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.61 Mbit/s
95th percentile per-packet one-way delay: 24.149 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 82.61 Mbit/s
95th percentile per-packet one-way delay: 24.149 ms
Loss rate: 0.06%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-02-16 04:34:04

End at: 2018-02-16 04:34:34

Local clock offset: -2.077 ms

Remote clock offset: -5.746 ms

Below is generated by plot.py at 2018-02-16 05:29:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.06 Mbit/s

95th percentile per-packet one-way delay: 7.561 ms

Loss rate: 0.08%

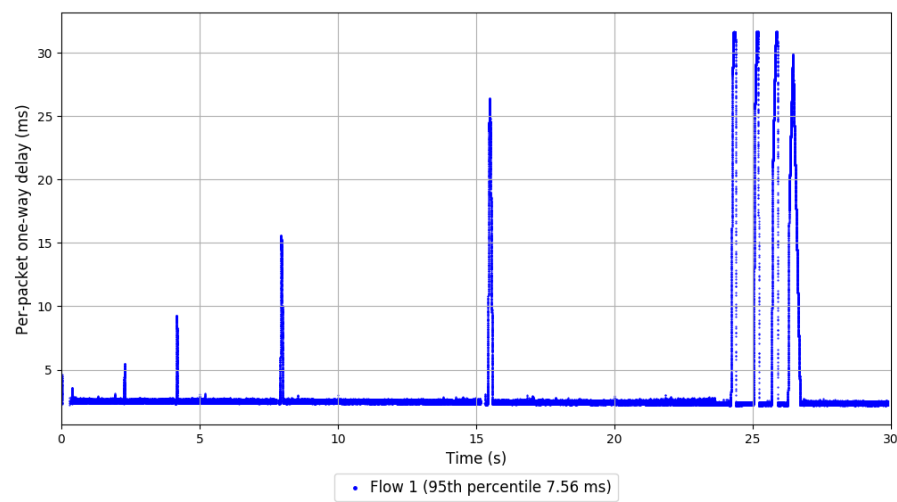
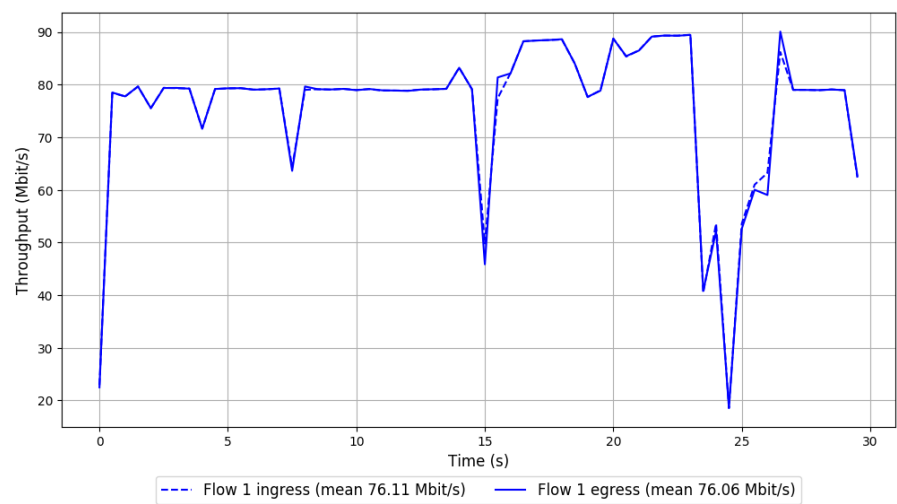
-- Flow 1:

Average throughput: 76.06 Mbit/s

95th percentile per-packet one-way delay: 7.561 ms

Loss rate: 0.08%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-02-16 04:54:26

End at: 2018-02-16 04:54:56

Local clock offset: -5.627 ms

Remote clock offset: -5.685 ms

Below is generated by plot.py at 2018-02-16 05:29:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.56 Mbit/s

95th percentile per-packet one-way delay: 18.203 ms

Loss rate: 0.00%

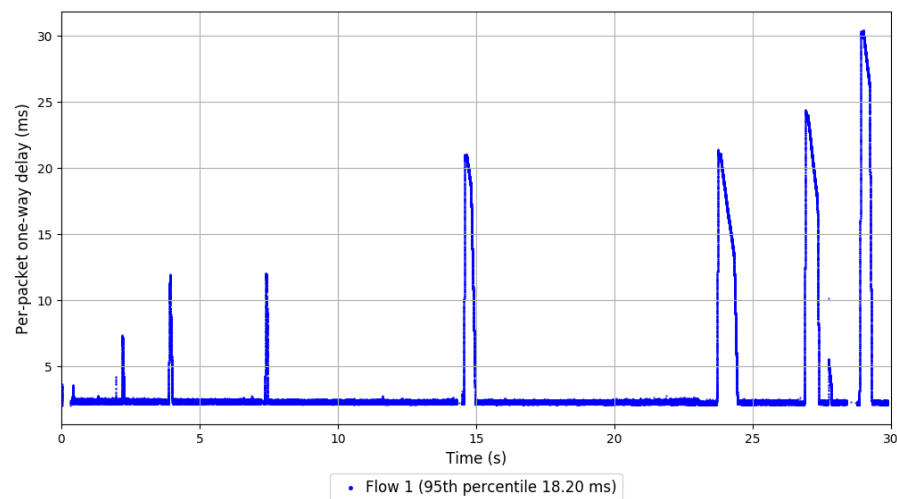
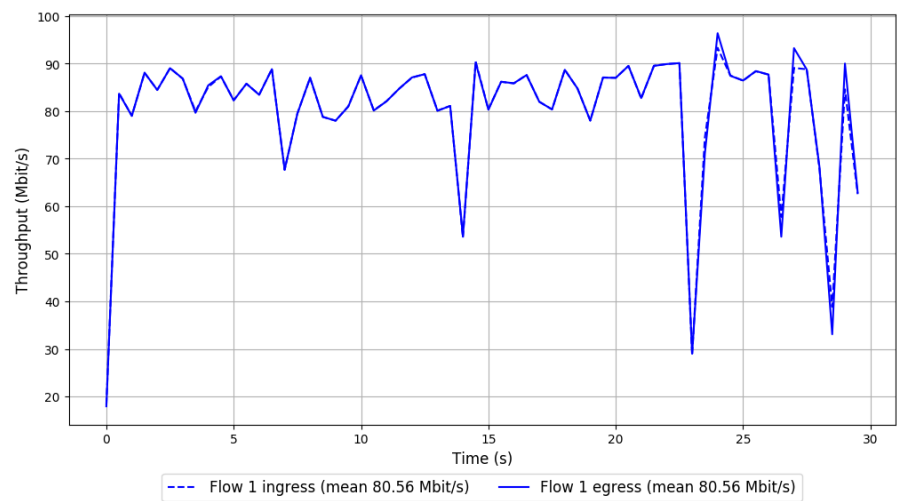
-- Flow 1:

Average throughput: 80.56 Mbit/s

95th percentile per-packet one-way delay: 18.203 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

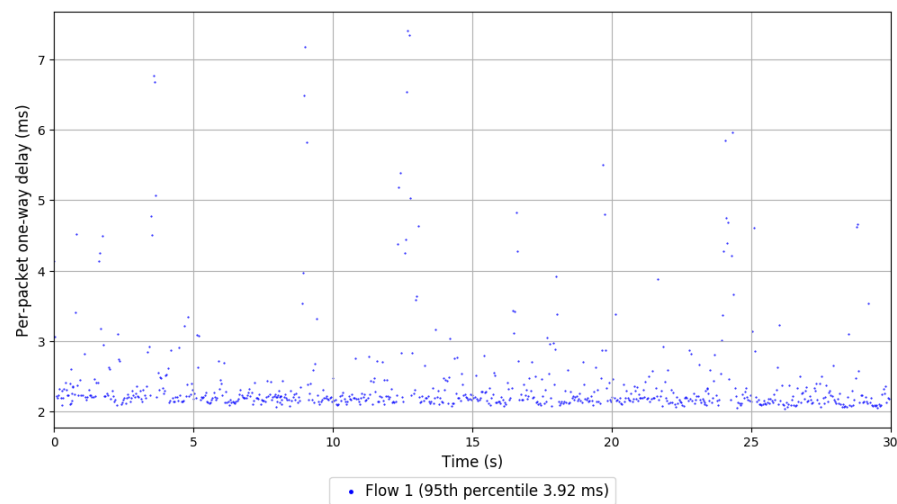
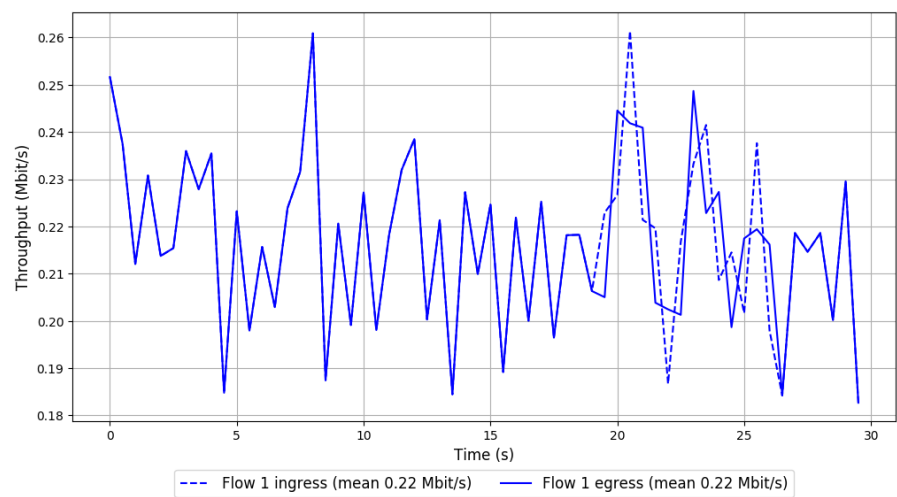


Run 1: Statistics of SCReAM

Start at: 2018-02-16 01:36:17
End at: 2018-02-16 01:36:47
Local clock offset: -7.139 ms
Remote clock offset: -5.395 ms

Below is generated by plot.py at 2018-02-16 05:29:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.920 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.920 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

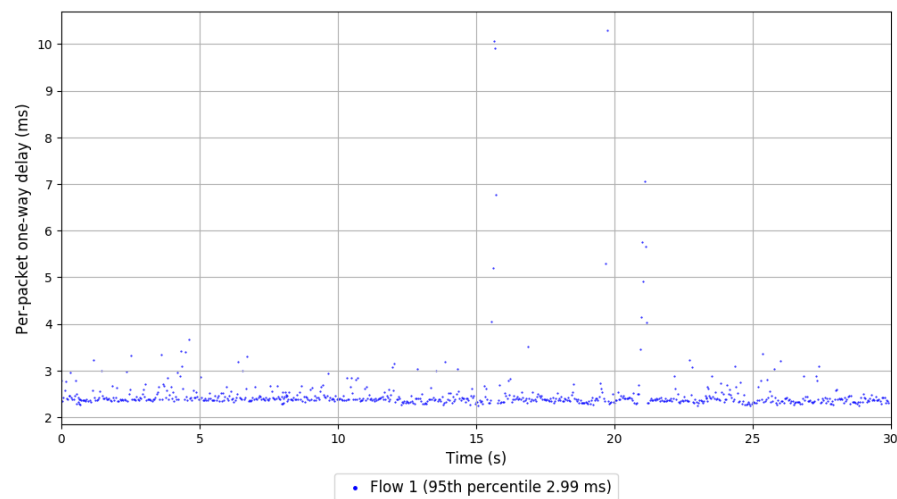
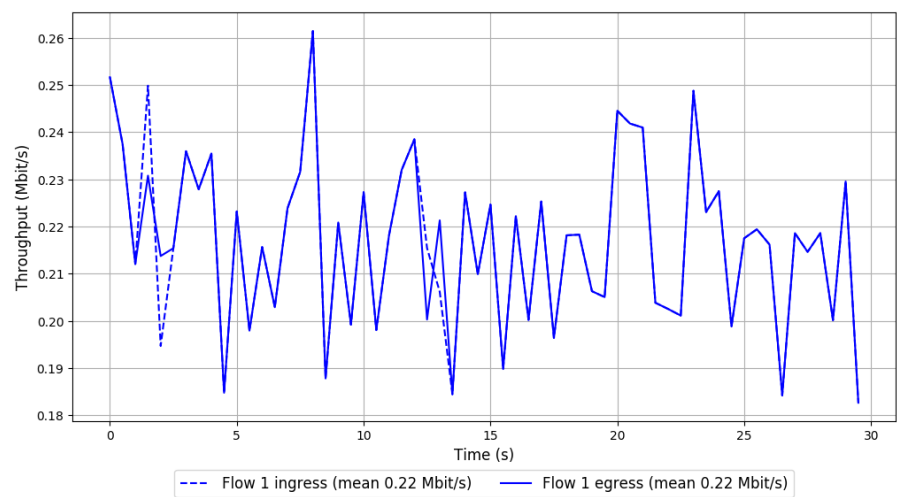


Run 2: Statistics of SCReAM

Start at: 2018-02-16 01:57:11
End at: 2018-02-16 01:57:41
Local clock offset: -7.422 ms
Remote clock offset: -5.011 ms

Below is generated by plot.py at 2018-02-16 05:29:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.993 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.993 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-02-16 02:18:12

End at: 2018-02-16 02:18:42

Local clock offset: -7.714 ms

Remote clock offset: -0.68 ms

Below is generated by plot.py at 2018-02-16 05:29:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.573 ms

Loss rate: 0.00%

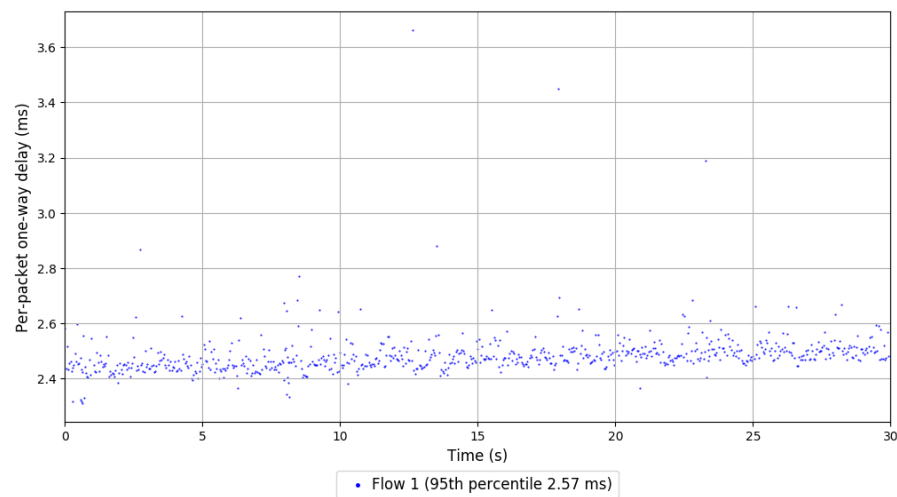
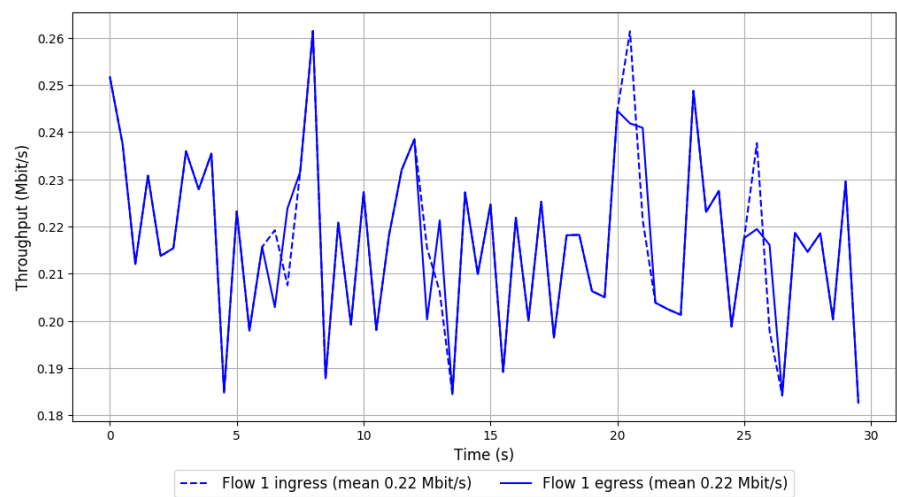
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.573 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-02-16 02:38:56

End at: 2018-02-16 02:39:26

Local clock offset: -5.433 ms

Remote clock offset: 1.052 ms

Below is generated by plot.py at 2018-02-16 05:29:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.363 ms

Loss rate: 0.00%

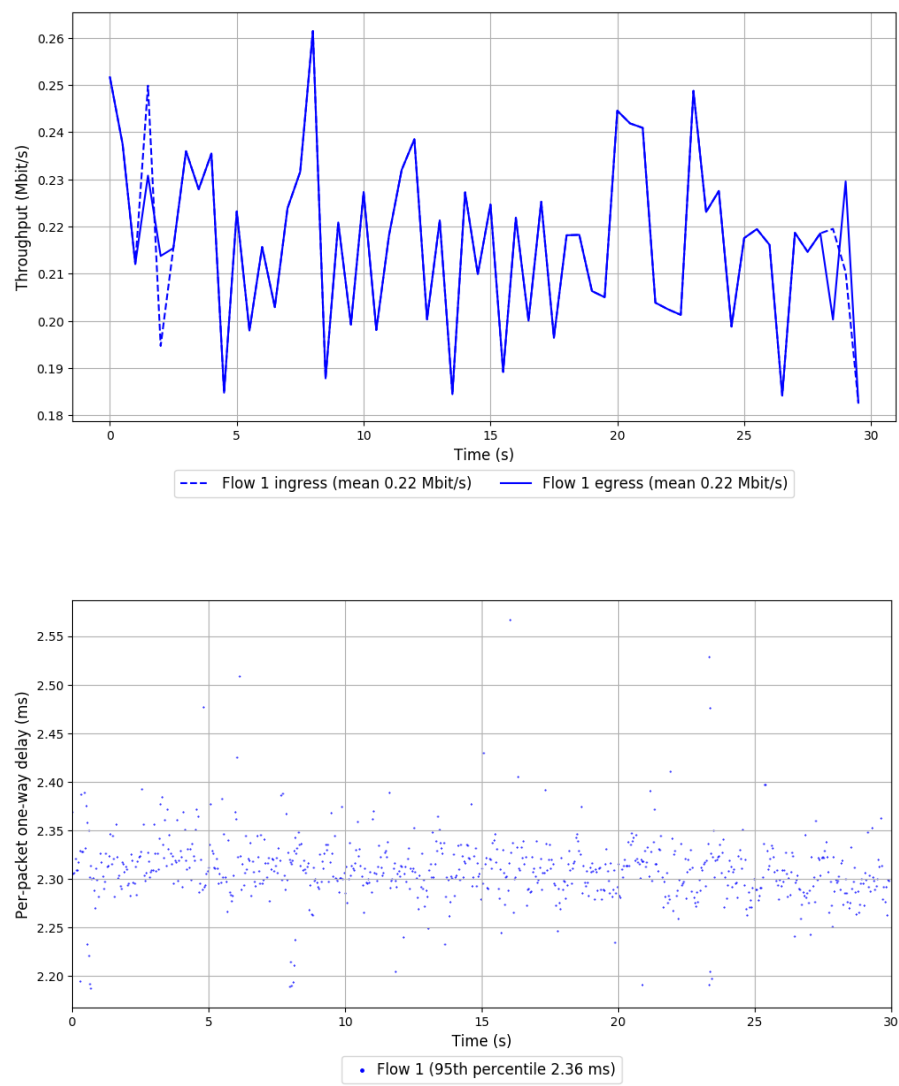
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.363 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-02-16 02:59:46

End at: 2018-02-16 03:00:16

Local clock offset: -5.759 ms

Remote clock offset: 2.271 ms

Below is generated by plot.py at 2018-02-16 05:29:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.304 ms

Loss rate: 0.00%

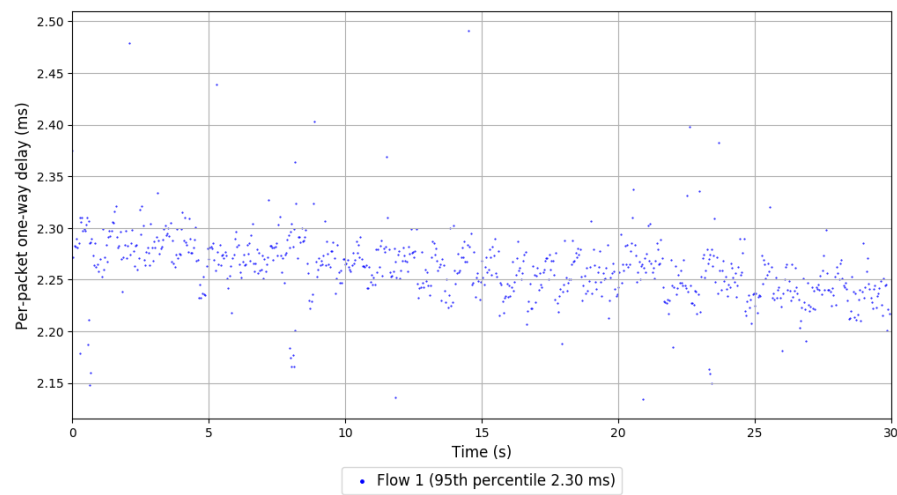
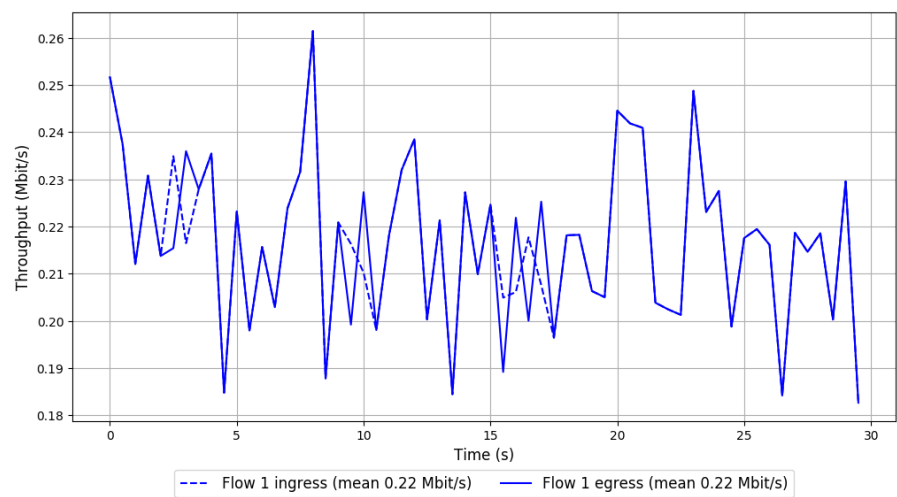
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.304 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

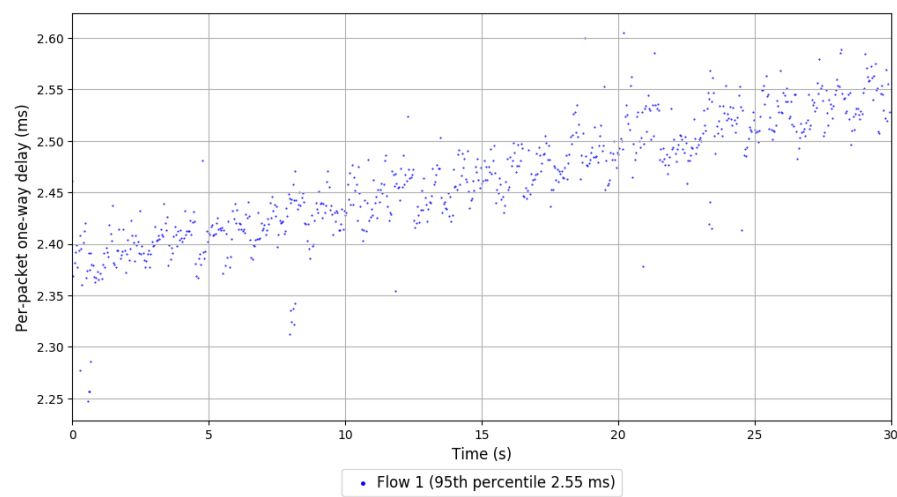
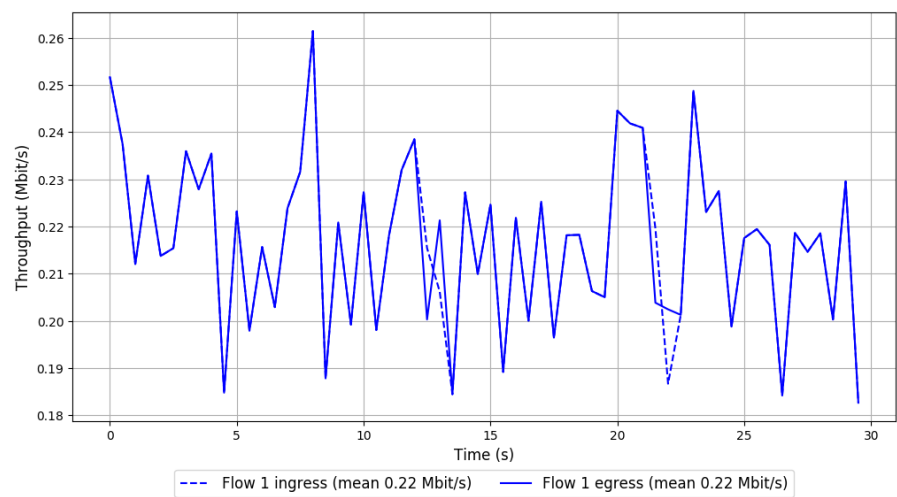


Run 6: Statistics of SCReAM

Start at: 2018-02-16 03:20:21
End at: 2018-02-16 03:20:51
Local clock offset: -6.343 ms
Remote clock offset: -3.837 ms

Below is generated by plot.py at 2018-02-16 05:29:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.549 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.549 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

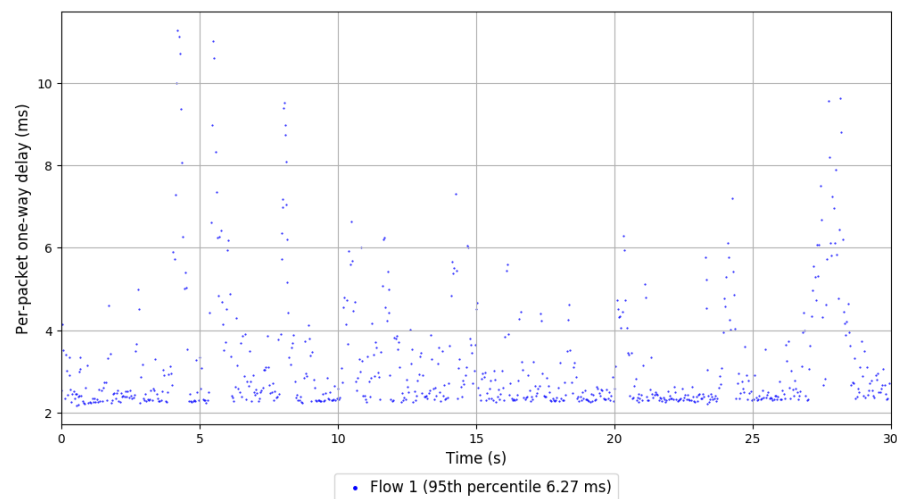
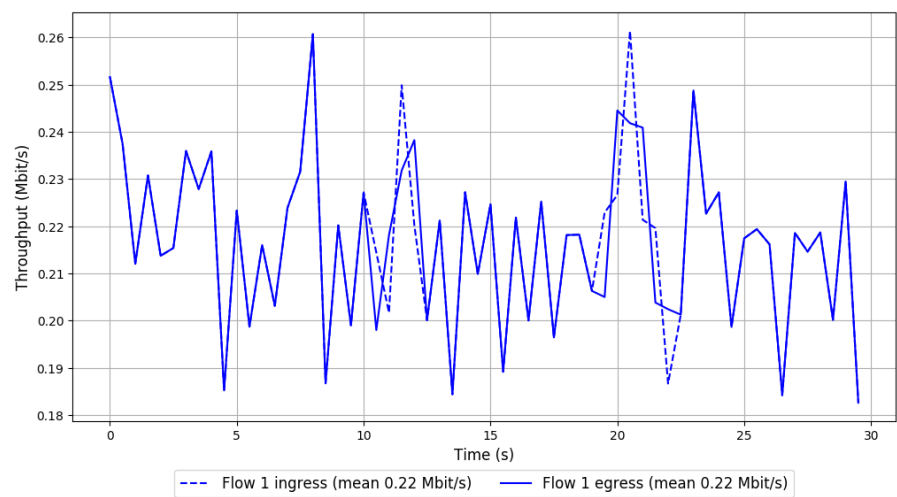


Run 7: Statistics of SCReAM

Start at: 2018-02-16 03:40:52
End at: 2018-02-16 03:41:22
Local clock offset: -5.811 ms
Remote clock offset: -7.721 ms

Below is generated by plot.py at 2018-02-16 05:29:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 6.271 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 6.271 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

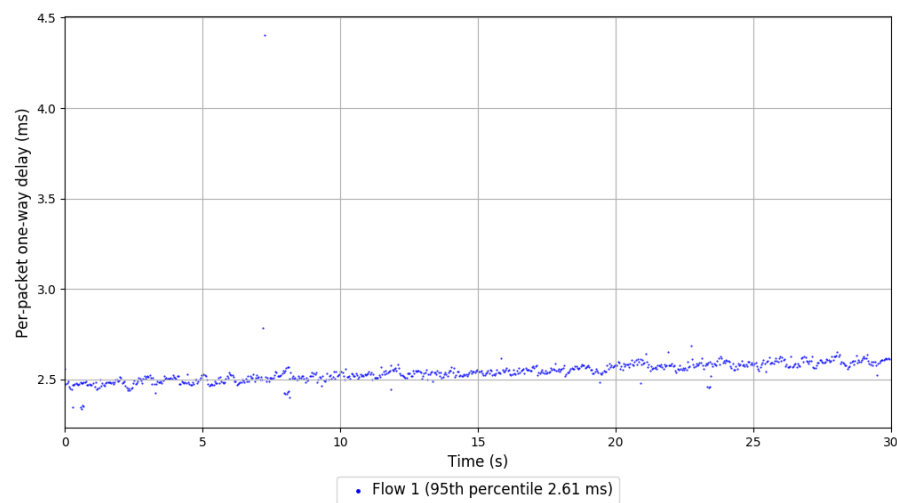
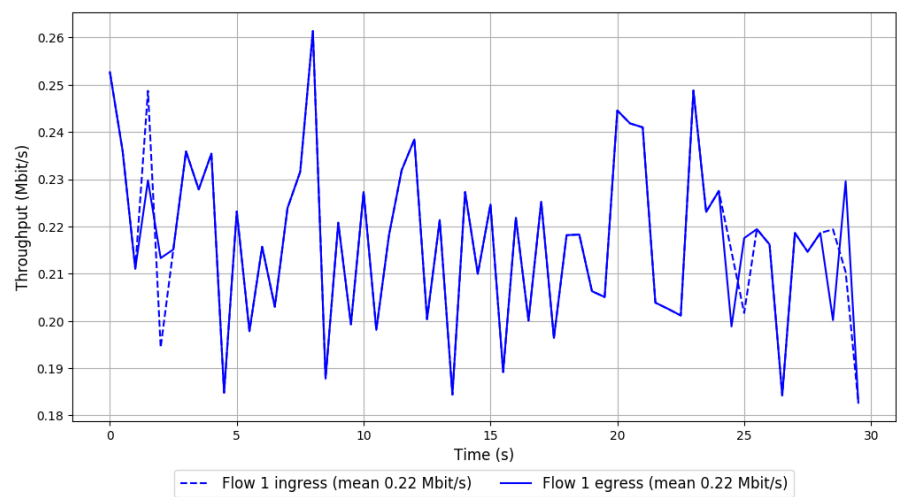


Run 8: Statistics of SCReAM

Start at: 2018-02-16 04:01:16
End at: 2018-02-16 04:01:46
Local clock offset: -5.383 ms
Remote clock offset: -6.431 ms

Below is generated by plot.py at 2018-02-16 05:29:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.613 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.613 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-02-16 04:21:40

End at: 2018-02-16 04:22:10

Local clock offset: -2.671 ms

Remote clock offset: -6.41 ms

Below is generated by plot.py at 2018-02-16 05:29:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.371 ms

Loss rate: 0.00%

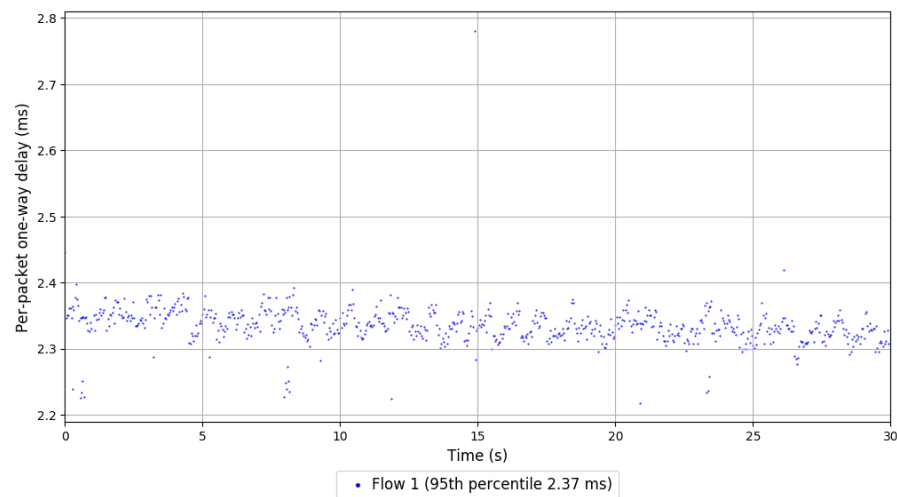
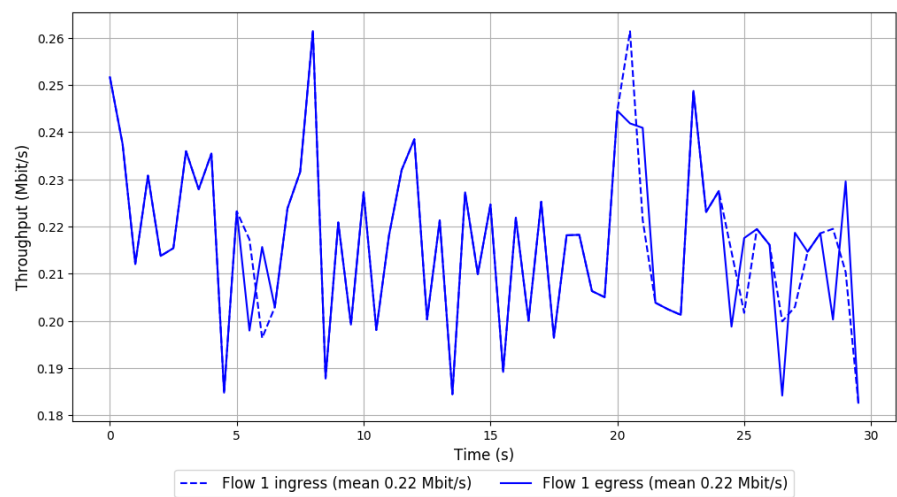
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.371 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

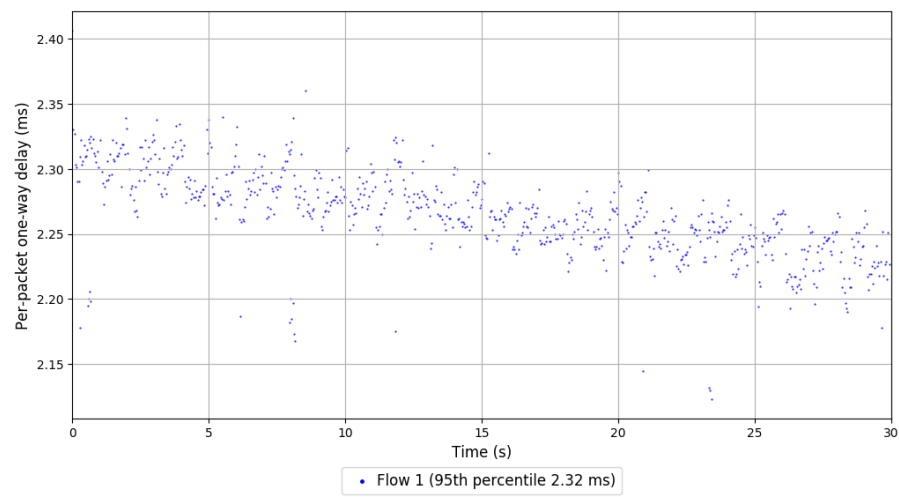
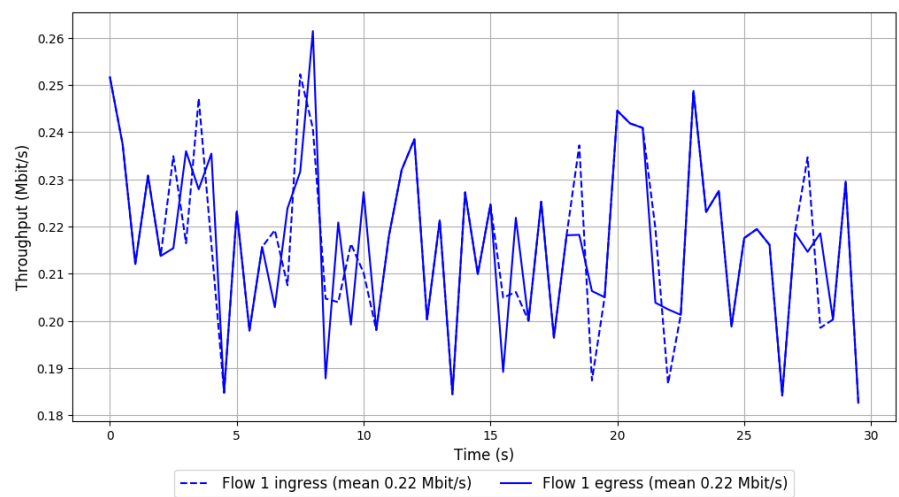


Run 10: Statistics of SCReAM

Start at: 2018-02-16 04:42:01
End at: 2018-02-16 04:42:31
Local clock offset: -4.314 ms
Remote clock offset: -5.719 ms

Below is generated by plot.py at 2018-02-16 05:29:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.318 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.318 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

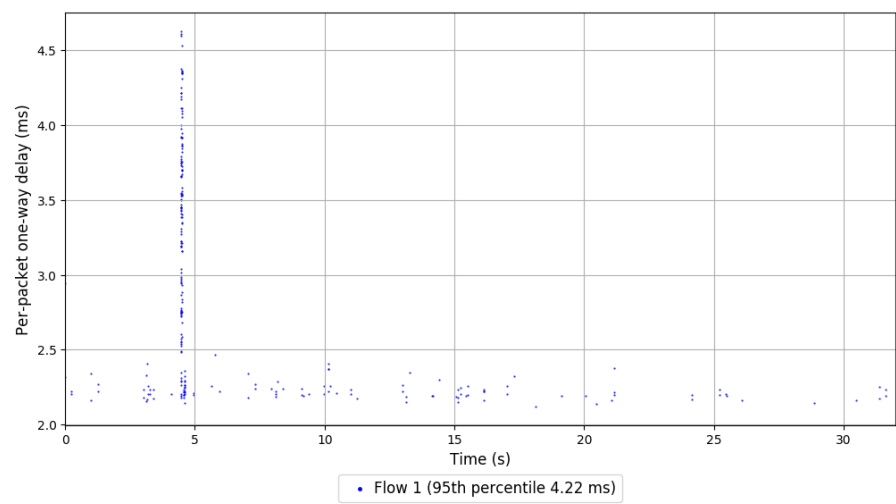
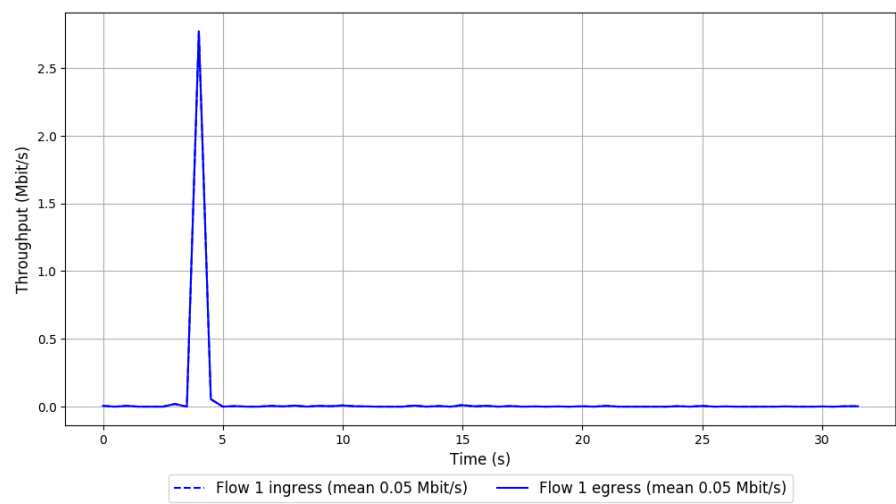


```
Run 1: Statistics of WebRTC media

Start at: 2018-02-16 01:40:56
End at: 2018-02-16 01:41:26
Local clock offset: -7.602 ms
Remote clock offset: -5.223 ms

# Below is generated by plot.py at 2018-02-16 05:29:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.217 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.217 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

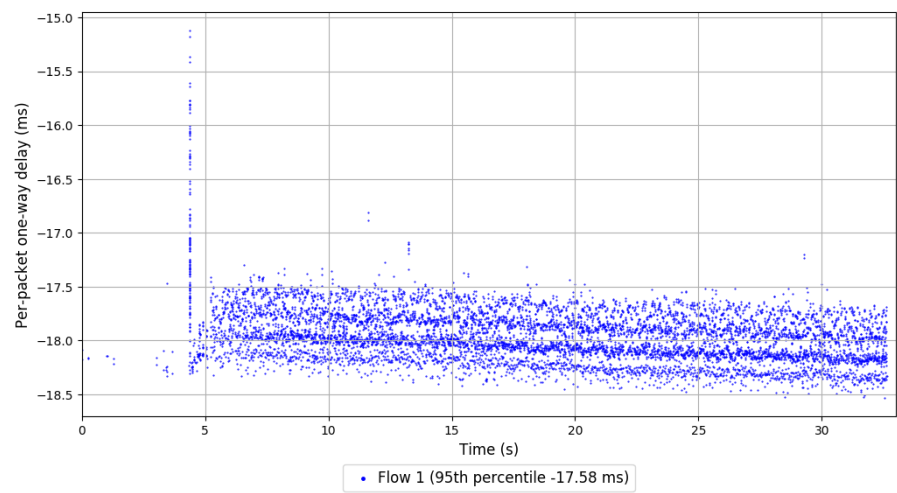
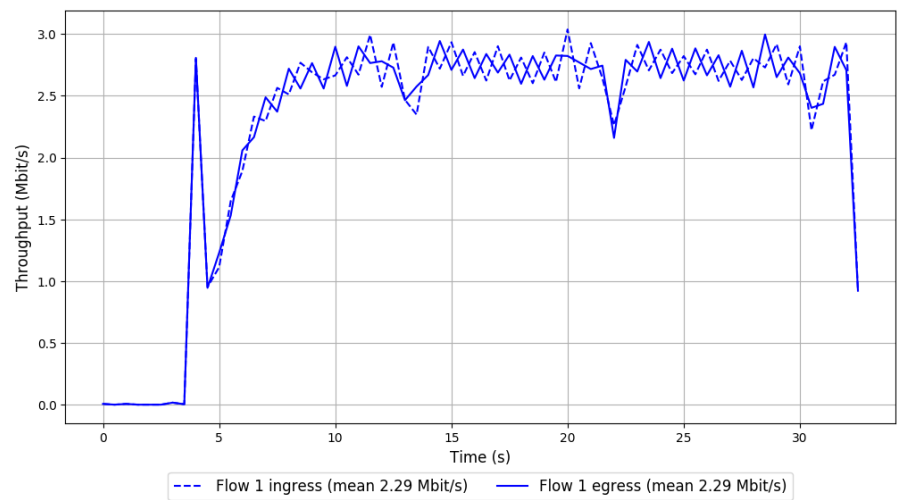


Run 2: Statistics of WebRTC media

Start at: 2018-02-16 02:01:46
End at: 2018-02-16 02:02:16
Local clock offset: -7.435 ms
Remote clock offset: -25.274 ms

Below is generated by plot.py at 2018-02-16 05:29:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: -17.582 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: -17.582 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

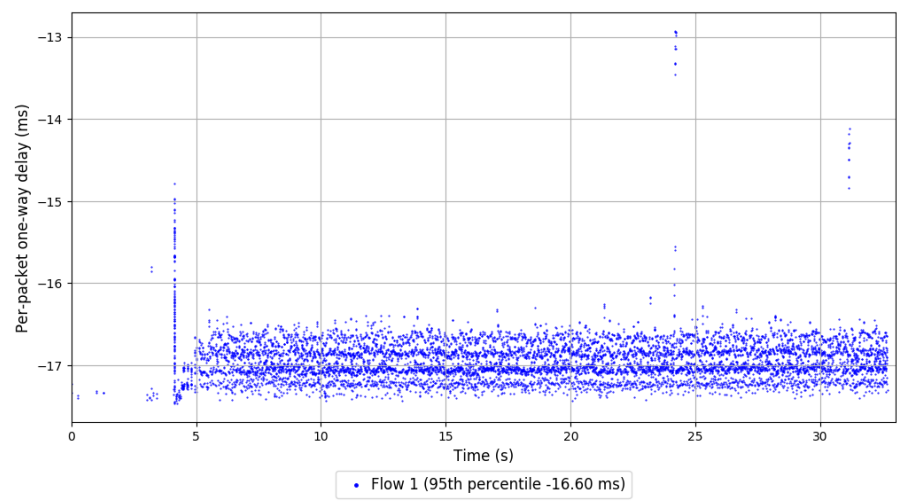
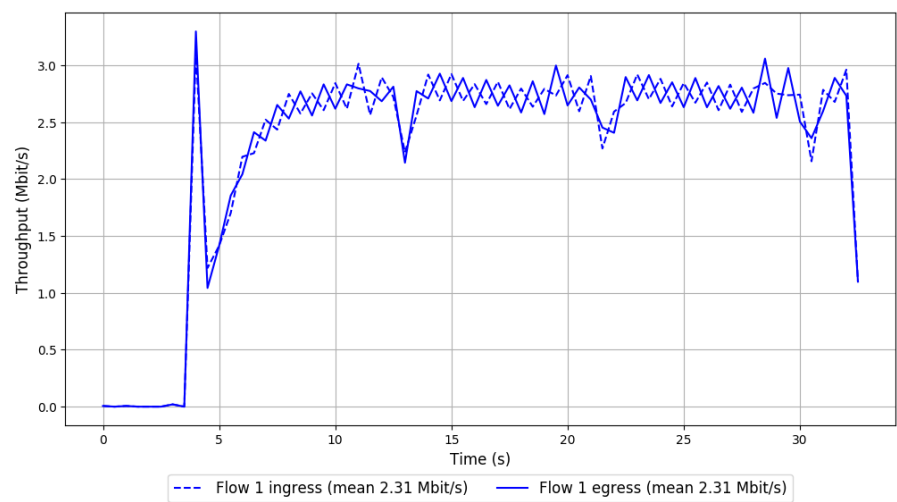


Run 3: Statistics of WebRTC media

Start at: 2018-02-16 02:22:49
End at: 2018-02-16 02:23:19
Local clock offset: -6.75 ms
Remote clock offset: -19.882 ms

Below is generated by plot.py at 2018-02-16 05:29:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: -16.598 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: -16.598 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-02-16 02:43:33

End at: 2018-02-16 02:44:03

Local clock offset: -5.384 ms

Remote clock offset: 1.352 ms

Below is generated by plot.py at 2018-02-16 05:29:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 3.047 ms

Loss rate: 0.00%

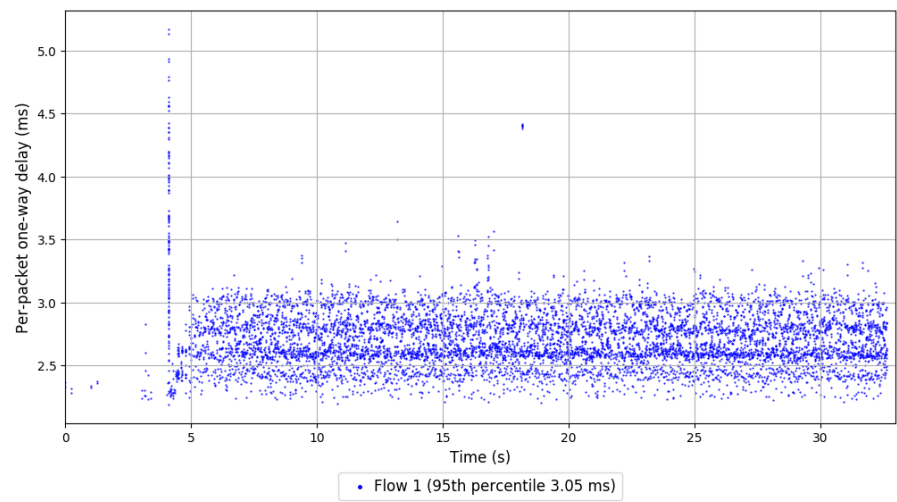
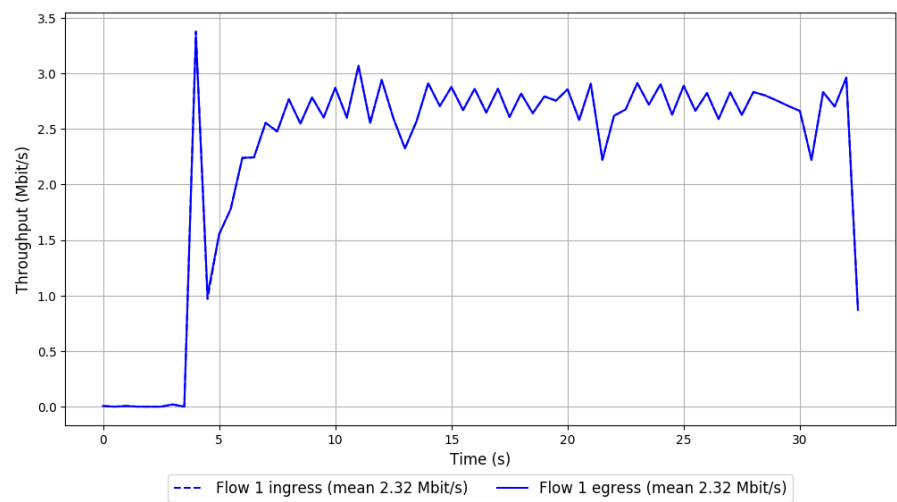
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 3.047 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-02-16 03:04:22

End at: 2018-02-16 03:04:52

Local clock offset: -6.005 ms

Remote clock offset: 2.544 ms

Below is generated by plot.py at 2018-02-16 05:29:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 2.960 ms

Loss rate: 0.00%

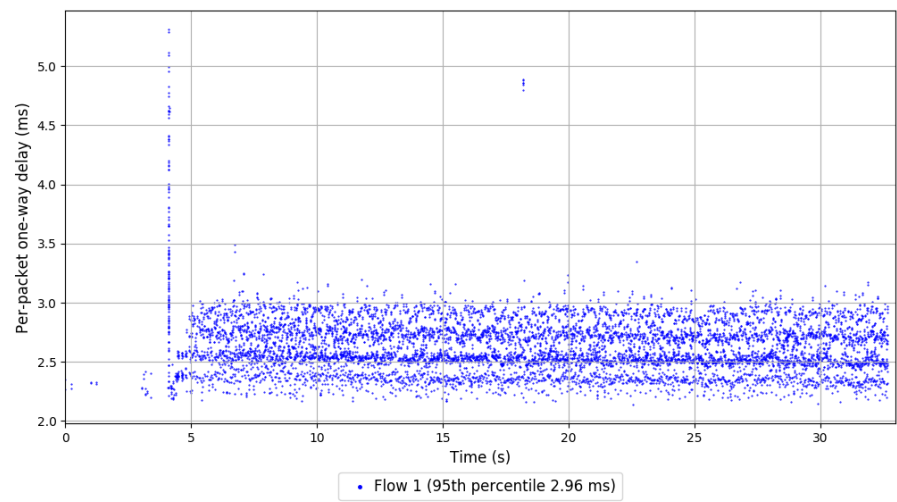
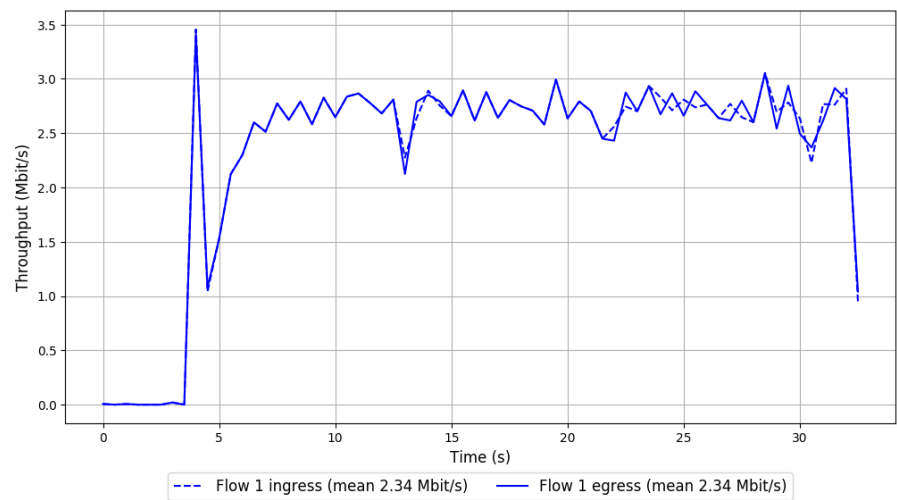
-- Flow 1:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 2.960 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

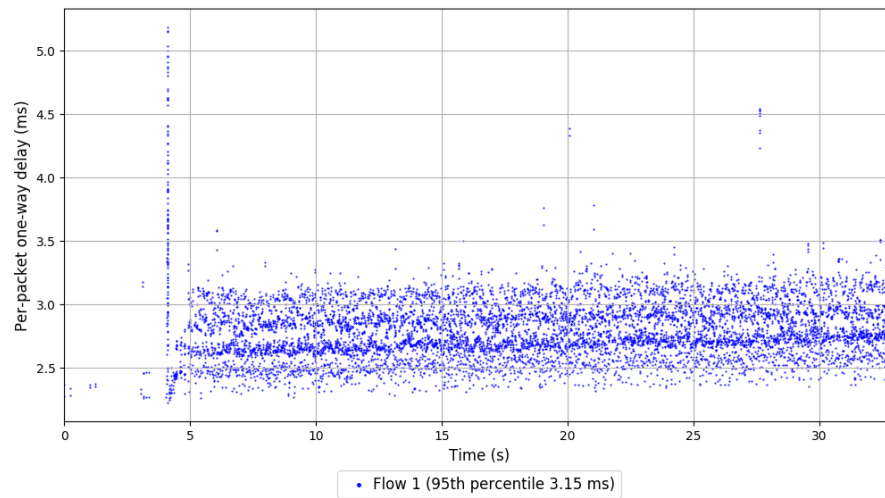
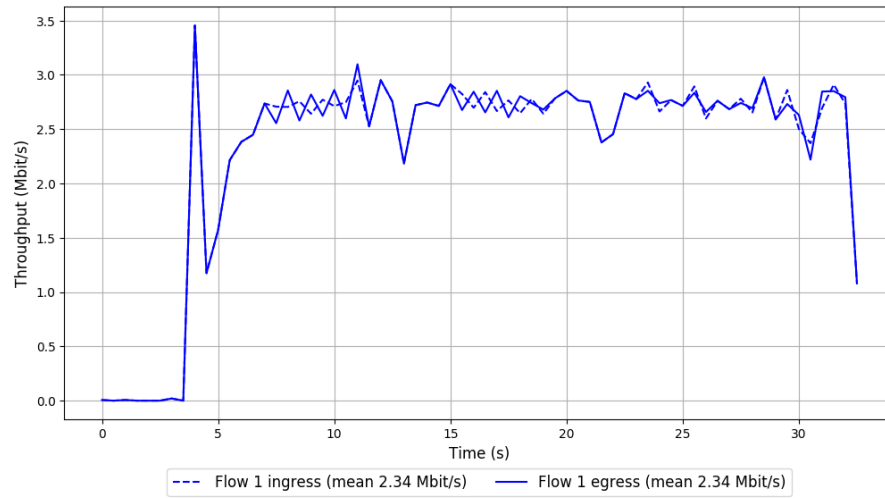


Run 6: Statistics of WebRTC media

Start at: 2018-02-16 03:24:56
End at: 2018-02-16 03:25:26
Local clock offset: -6.346 ms
Remote clock offset: -5.093 ms

Below is generated by plot.py at 2018-02-16 05:29:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 3.152 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 3.152 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

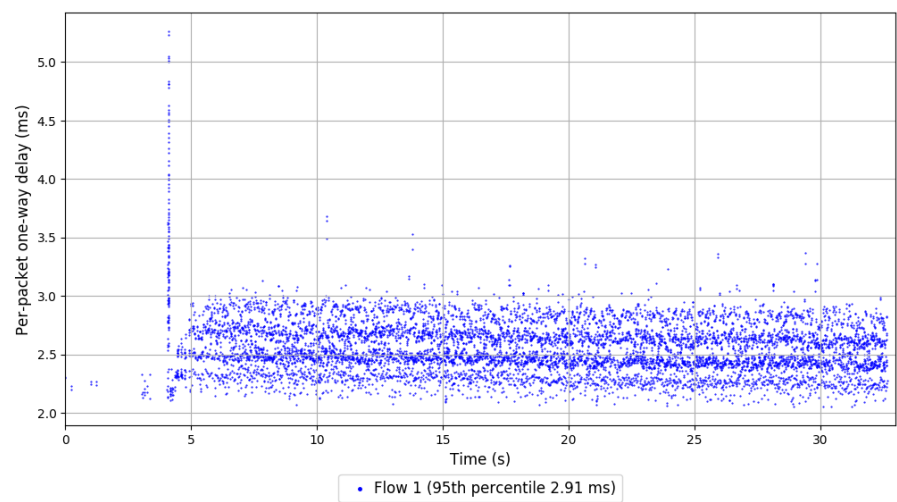
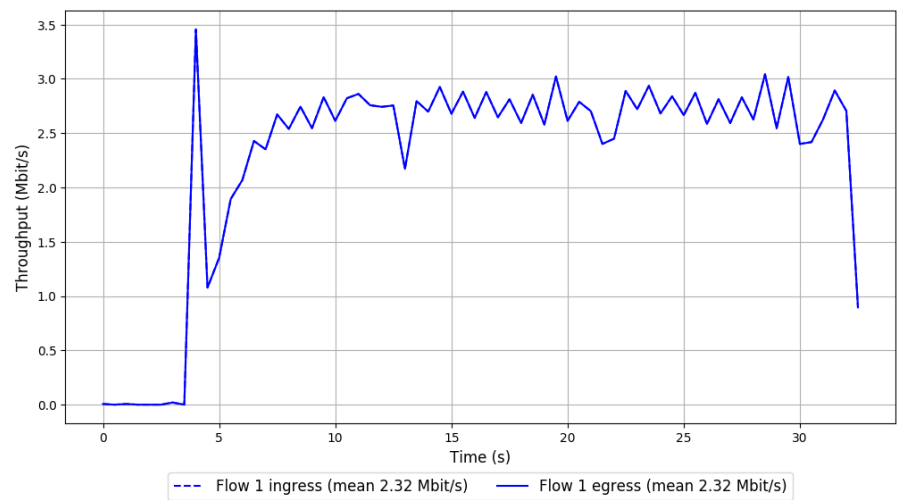


Run 7: Statistics of WebRTC media

Start at: 2018-02-16 03:45:23
End at: 2018-02-16 03:45:53
Local clock offset: -5.761 ms
Remote clock offset: -7.631 ms

Below is generated by plot.py at 2018-02-16 05:29:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 2.910 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 2.910 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

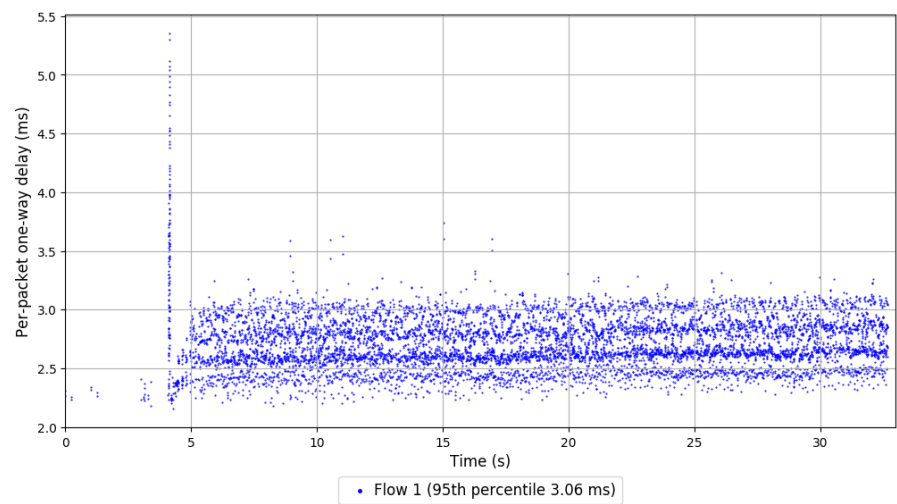
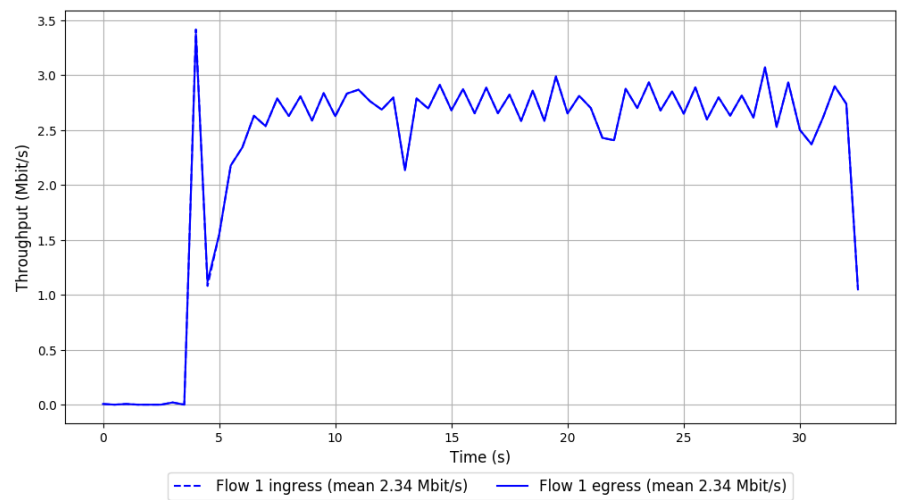


Run 8: Statistics of WebRTC media

Start at: 2018-02-16 04:05:47
End at: 2018-02-16 04:06:17
Local clock offset: -4.363 ms
Remote clock offset: -6.582 ms

Below is generated by plot.py at 2018-02-16 05:29:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 3.059 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 3.059 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

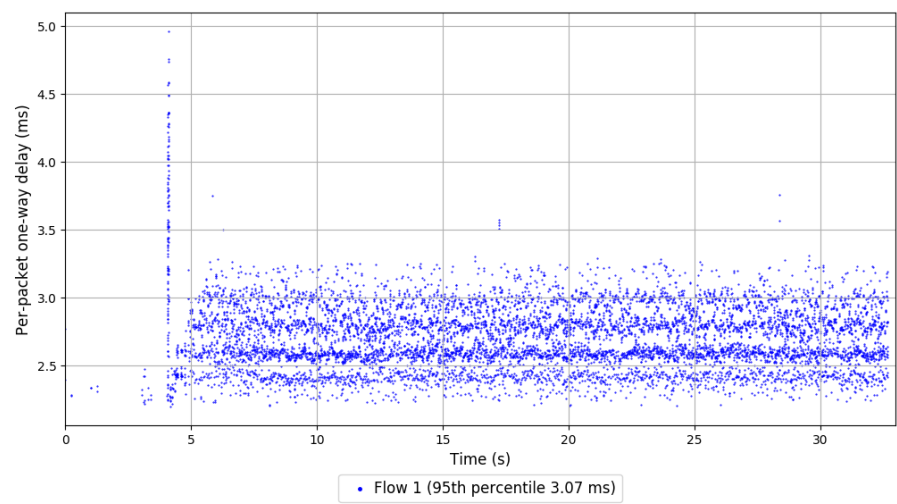
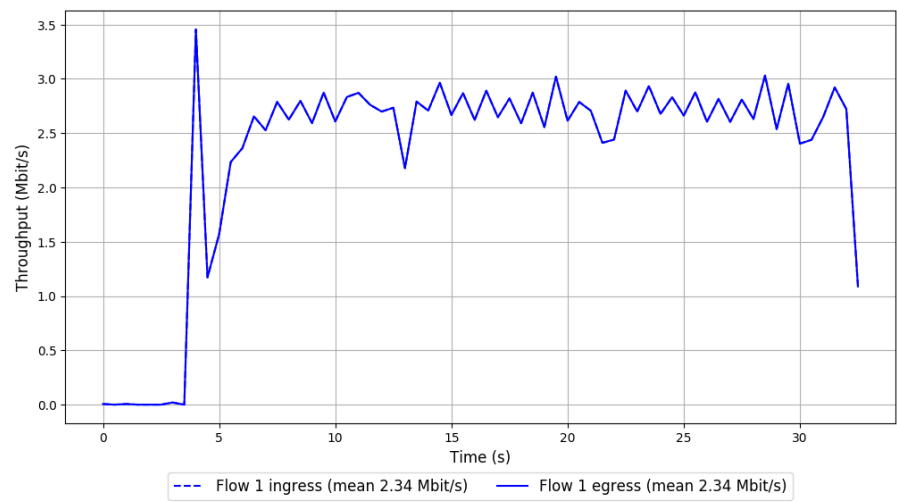


Run 9: Statistics of WebRTC media

Start at: 2018-02-16 04:26:10
End at: 2018-02-16 04:26:40
Local clock offset: -2.413 ms
Remote clock offset: -5.984 ms

Below is generated by plot.py at 2018-02-16 05:29:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 3.067 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 3.067 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

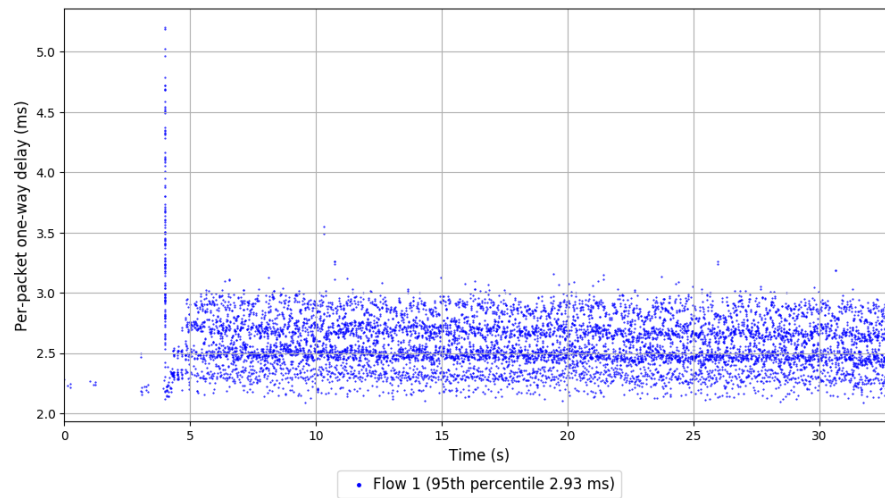
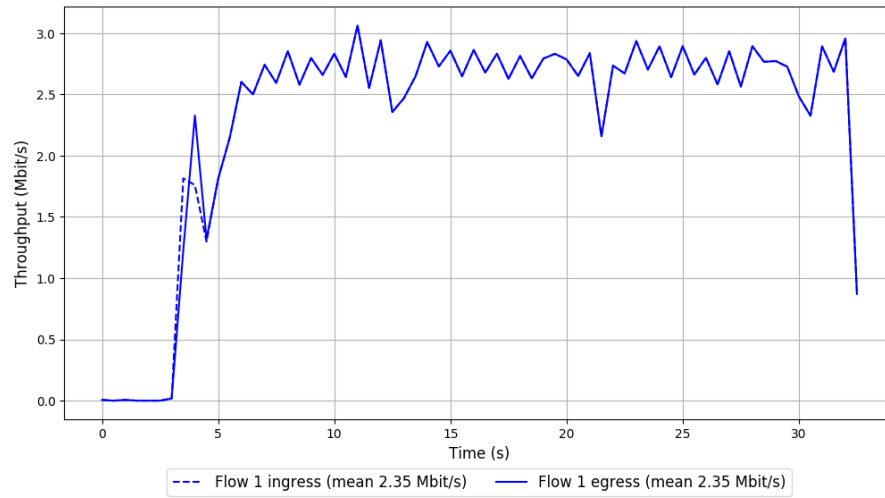


Run 10: Statistics of WebRTC media

Start at: 2018-02-16 04:46:32
End at: 2018-02-16 04:47:02
Local clock offset: -4.964 ms
Remote clock offset: -5.755 ms

Below is generated by plot.py at 2018-02-16 05:29:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 2.928 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 2.928 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

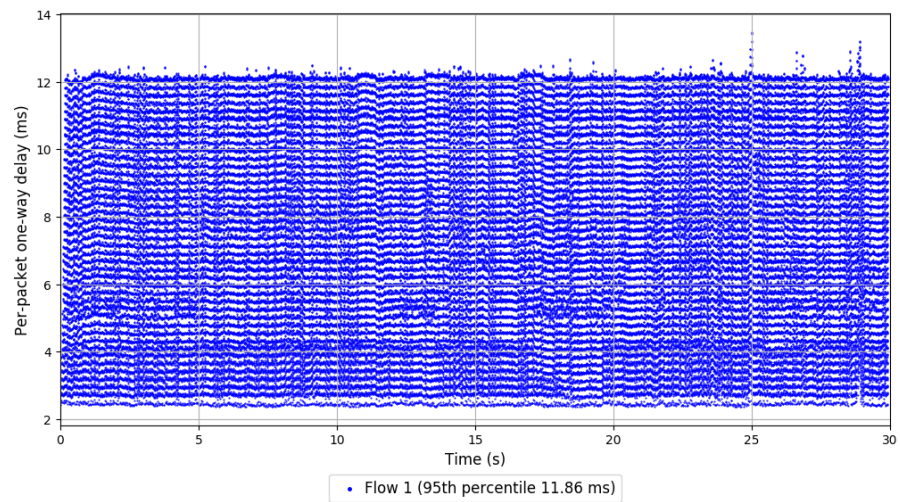
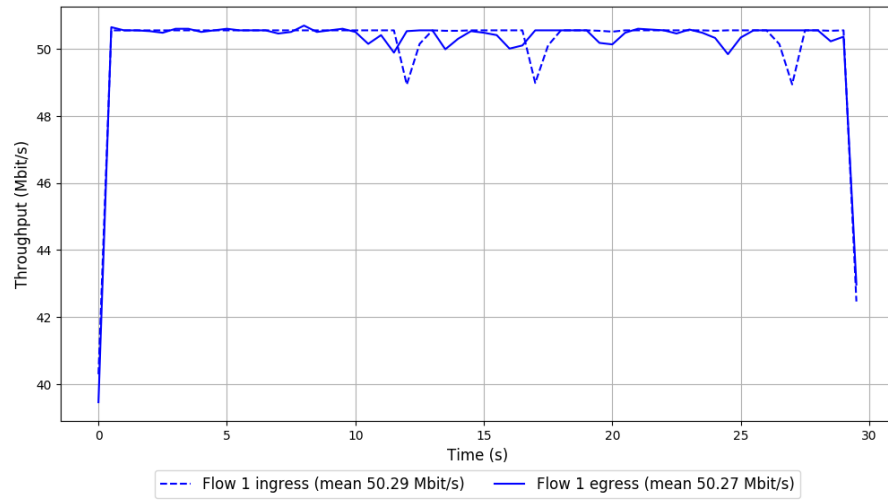


Run 1: Statistics of Sprout

Start at: 2018-02-16 01:51:23
End at: 2018-02-16 01:51:53
Local clock offset: -7.55 ms
Remote clock offset: -5.073 ms

Below is generated by plot.py at 2018-02-16 05:29:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.27 Mbit/s
95th percentile per-packet one-way delay: 11.856 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.27 Mbit/s
95th percentile per-packet one-way delay: 11.856 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

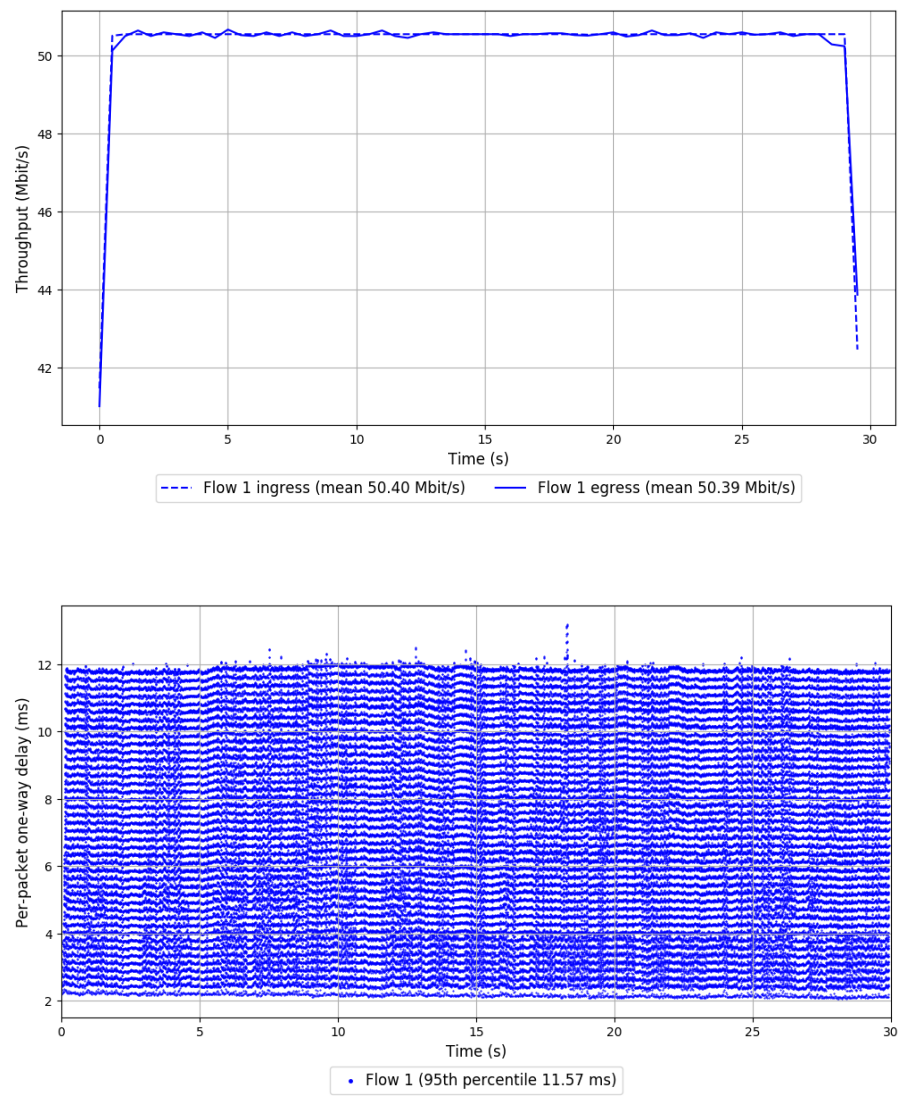


Run 2: Statistics of Sprout

Start at: 2018-02-16 02:12:16
End at: 2018-02-16 02:12:46
Local clock offset: -7.628 ms
Remote clock offset: -1.644 ms

Below is generated by plot.py at 2018-02-16 05:29:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.39 Mbit/s
95th percentile per-packet one-way delay: 11.567 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.39 Mbit/s
95th percentile per-packet one-way delay: 11.567 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-02-16 02:33:07

End at: 2018-02-16 02:33:37

Local clock offset: -5.737 ms

Remote clock offset: 0.585 ms

Below is generated by plot.py at 2018-02-16 05:29:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.32 Mbit/s

95th percentile per-packet one-way delay: 11.725 ms

Loss rate: 0.00%

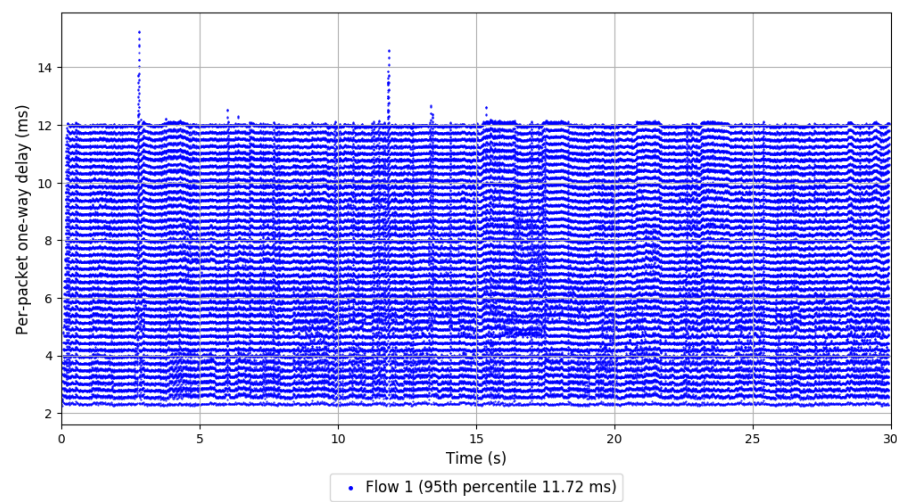
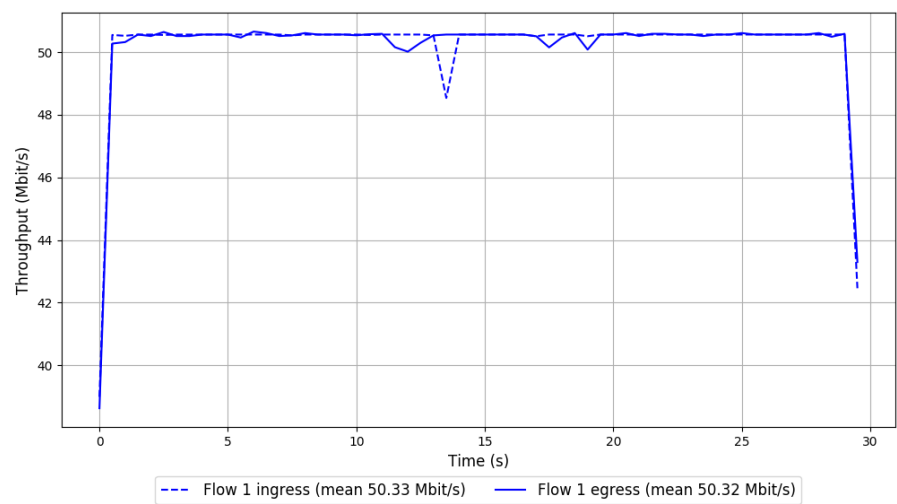
-- Flow 1:

Average throughput: 50.32 Mbit/s

95th percentile per-packet one-way delay: 11.725 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

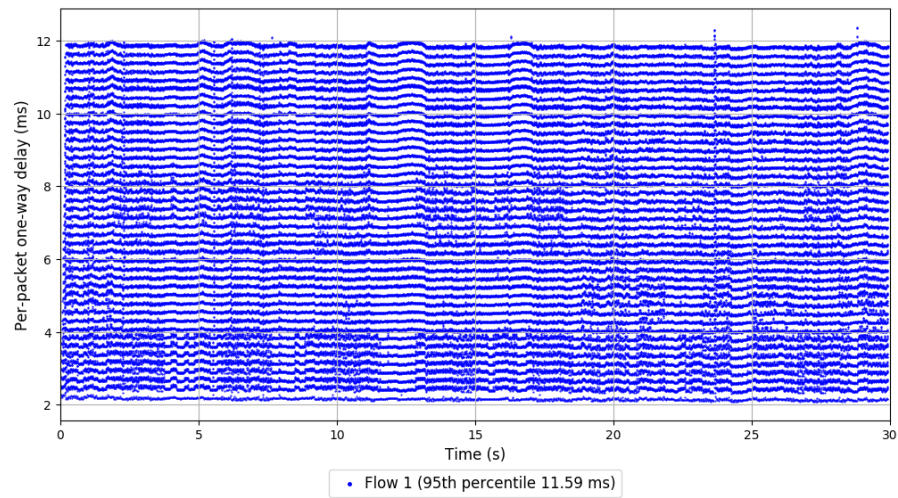
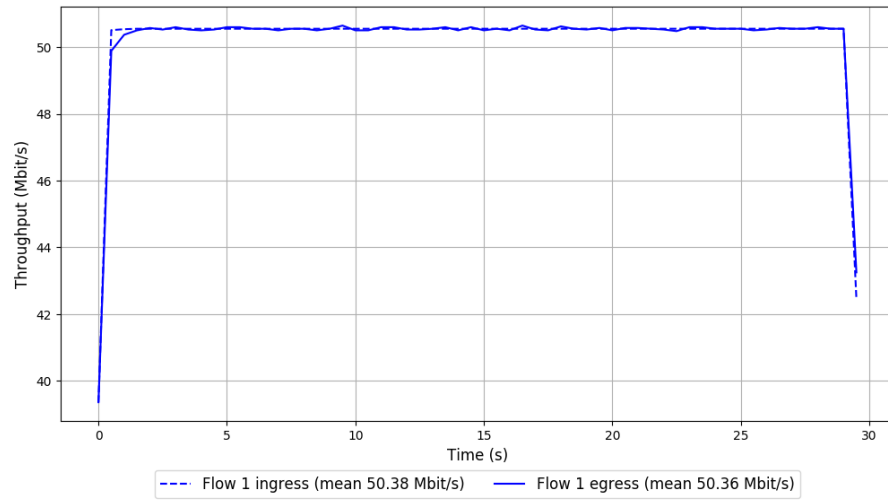


Run 4: Statistics of Sprout

Start at: 2018-02-16 02:53:55
End at: 2018-02-16 02:54:25
Local clock offset: -5.359 ms
Remote clock offset: 1.856 ms

Below is generated by plot.py at 2018-02-16 05:29:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 11.592 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 11.592 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

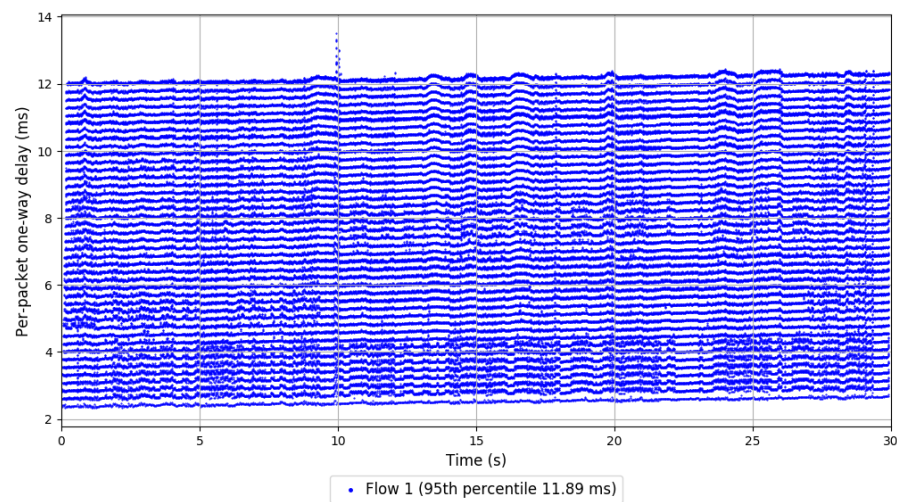
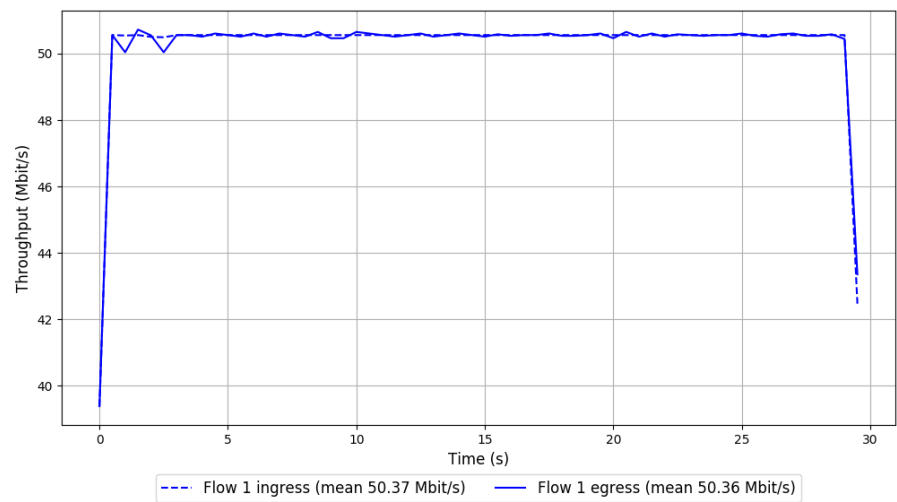


Run 5: Statistics of Sprout

Start at: 2018-02-16 03:14:36
End at: 2018-02-16 03:15:06
Local clock offset: -6.208 ms
Remote clock offset: -1.037 ms

Below is generated by plot.py at 2018-02-16 05:29:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 11.886 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 11.886 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

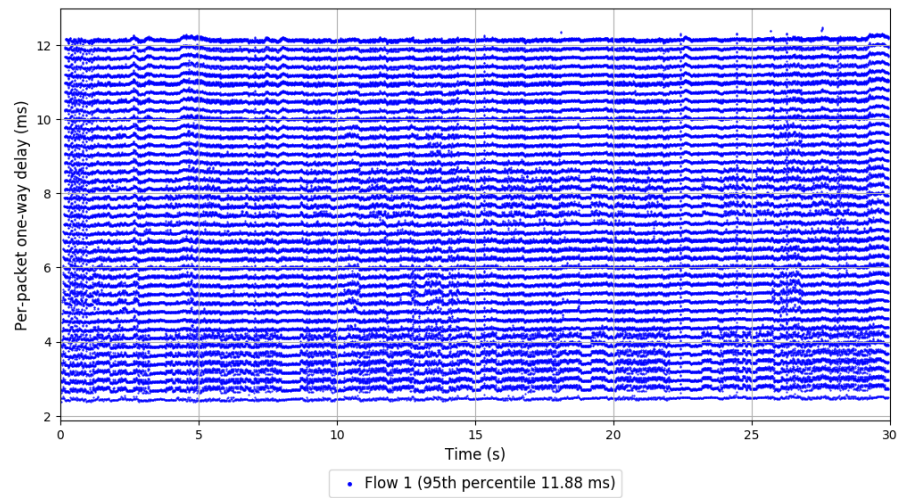
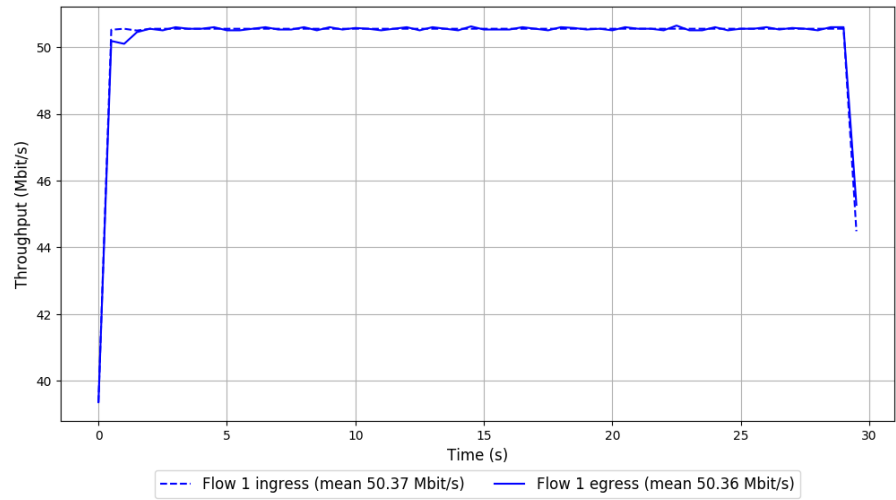


Run 6: Statistics of Sprout

Start at: 2018-02-16 03:35:08
End at: 2018-02-16 03:35:38
Local clock offset: -5.993 ms
Remote clock offset: -6.923 ms

Below is generated by plot.py at 2018-02-16 05:29:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 11.881 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 11.881 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

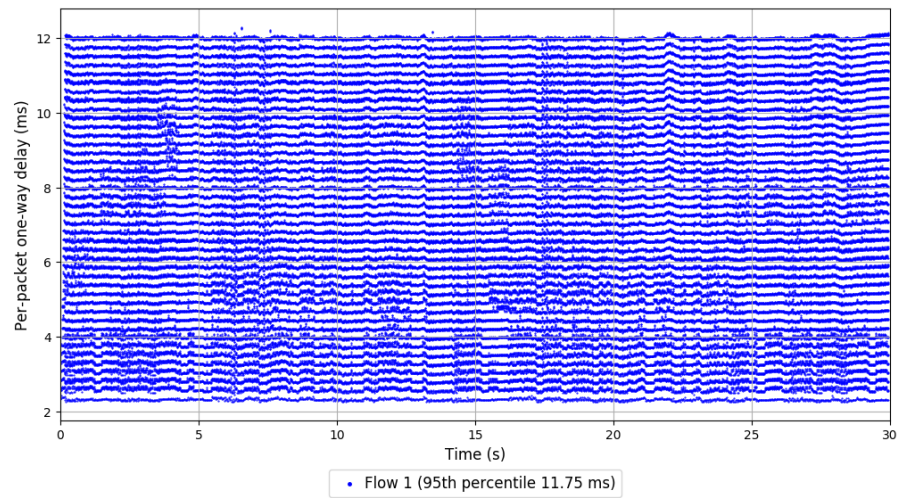
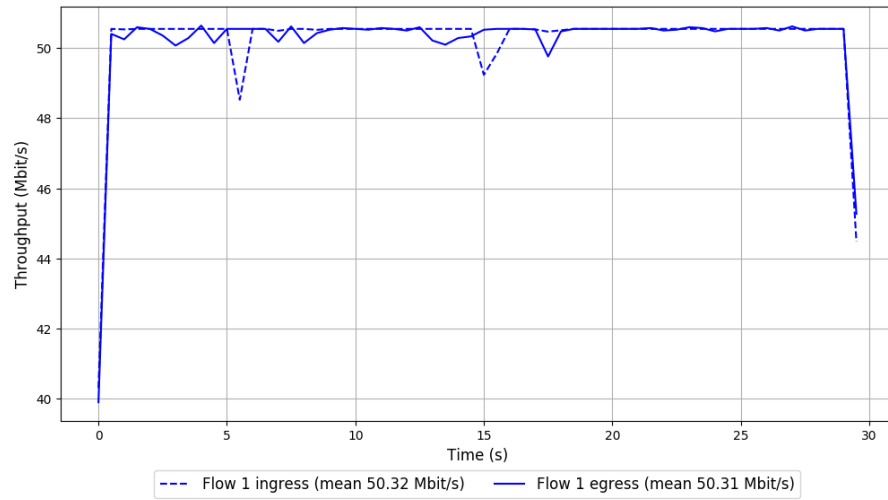


Run 7: Statistics of Sprout

Start at: 2018-02-16 03:55:32
End at: 2018-02-16 03:56:02
Local clock offset: -5.675 ms
Remote clock offset: -6.528 ms

Below is generated by plot.py at 2018-02-16 05:29:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.31 Mbit/s
95th percentile per-packet one-way delay: 11.746 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.31 Mbit/s
95th percentile per-packet one-way delay: 11.746 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

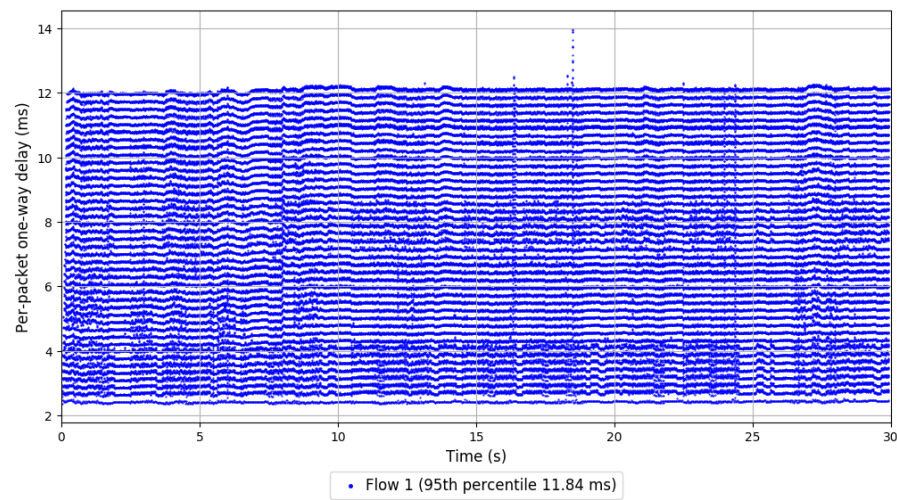
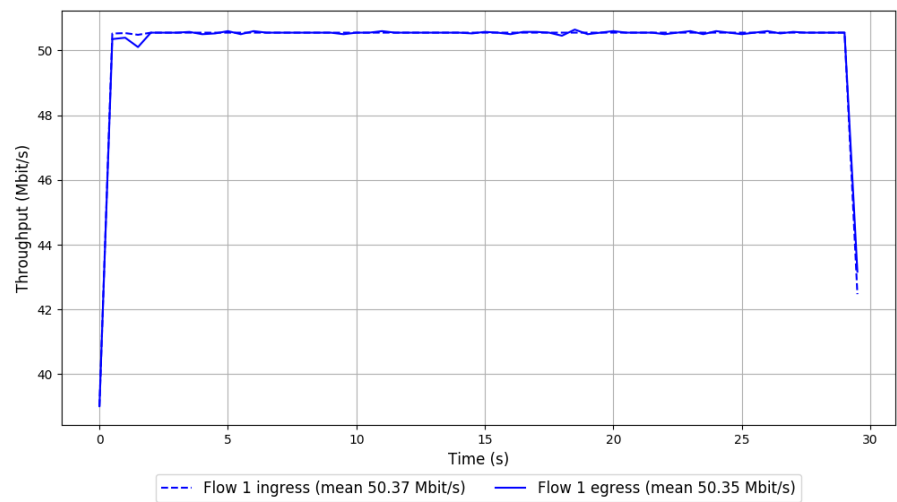


Run 8: Statistics of Sprout

Start at: 2018-02-16 04:15:56
End at: 2018-02-16 04:16:26
Local clock offset: -3.094 ms
Remote clock offset: -6.829 ms

Below is generated by plot.py at 2018-02-16 05:29:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.35 Mbit/s
95th percentile per-packet one-way delay: 11.843 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.35 Mbit/s
95th percentile per-packet one-way delay: 11.843 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

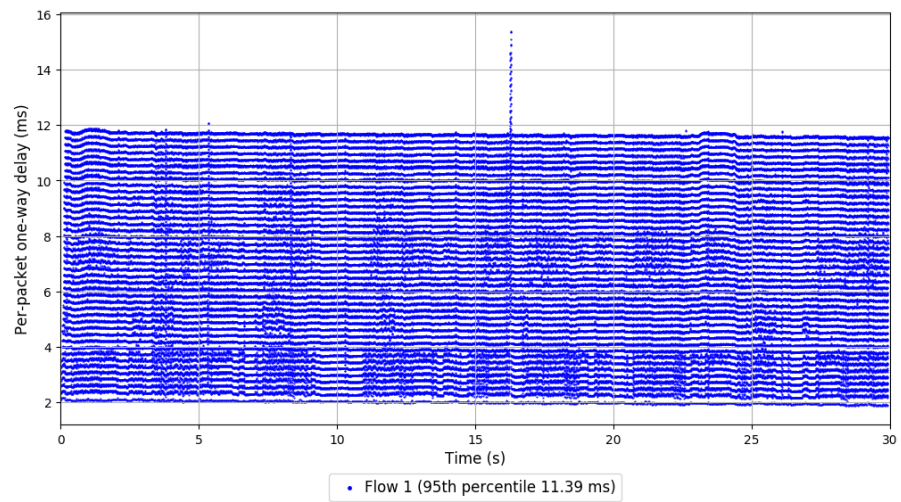
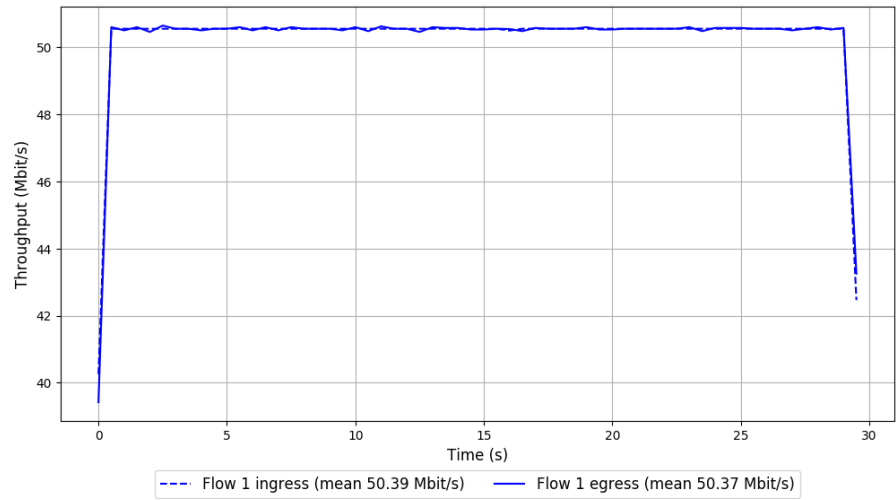


Run 9: Statistics of Sprout

Start at: 2018-02-16 04:36:19
End at: 2018-02-16 04:36:49
Local clock offset: -2.683 ms
Remote clock offset: -5.767 ms

Below is generated by plot.py at 2018-02-16 05:29:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.37 Mbit/s
95th percentile per-packet one-way delay: 11.389 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.37 Mbit/s
95th percentile per-packet one-way delay: 11.389 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

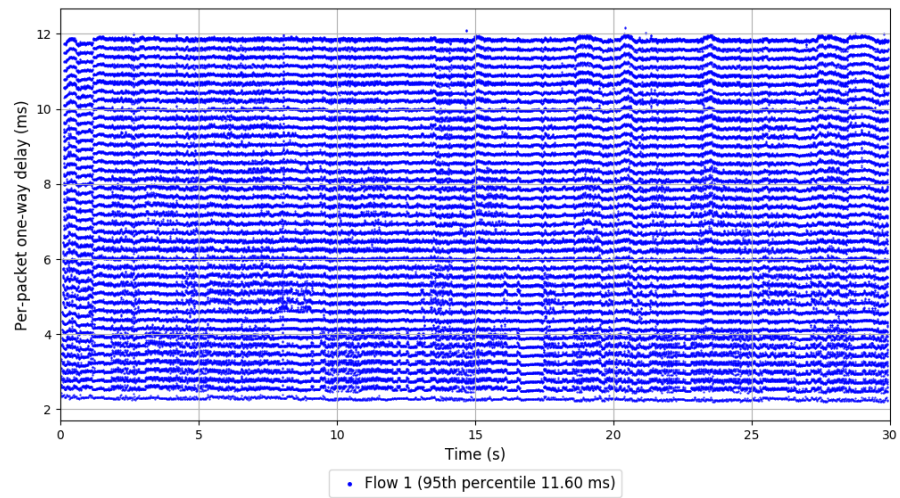
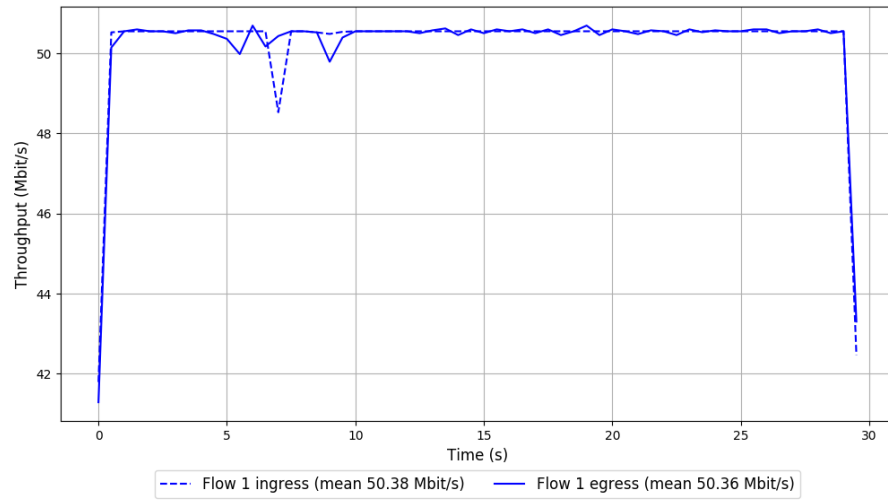


Run 10: Statistics of Sprout

Start at: 2018-02-16 04:56:41
End at: 2018-02-16 04:57:11
Local clock offset: -5.748 ms
Remote clock offset: -5.429 ms

Below is generated by plot.py at 2018-02-16 05:29:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 11.595 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 11.595 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-02-16 01:32:42

End at: 2018-02-16 01:33:12

Local clock offset: -6.788 ms

Remote clock offset: -5.565 ms

Below is generated by plot.py at 2018-02-16 05:31:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.75 Mbit/s

95th percentile per-packet one-way delay: 2.513 ms

Loss rate: 0.00%

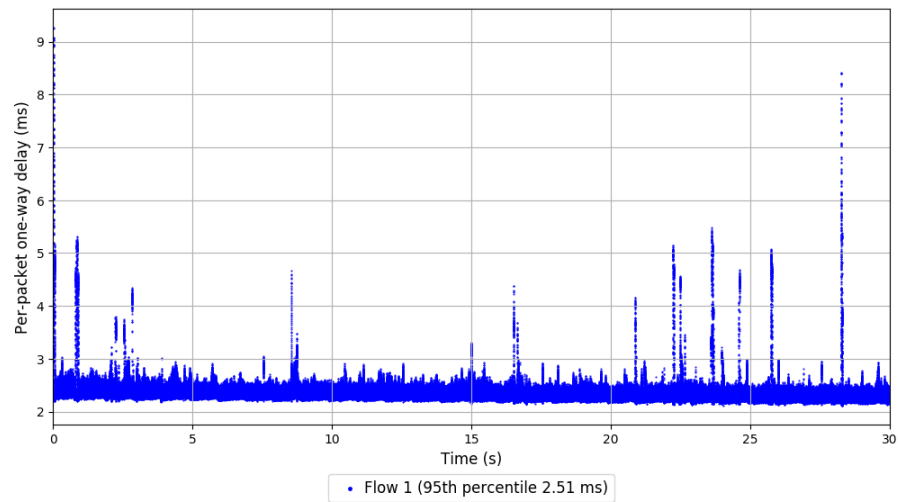
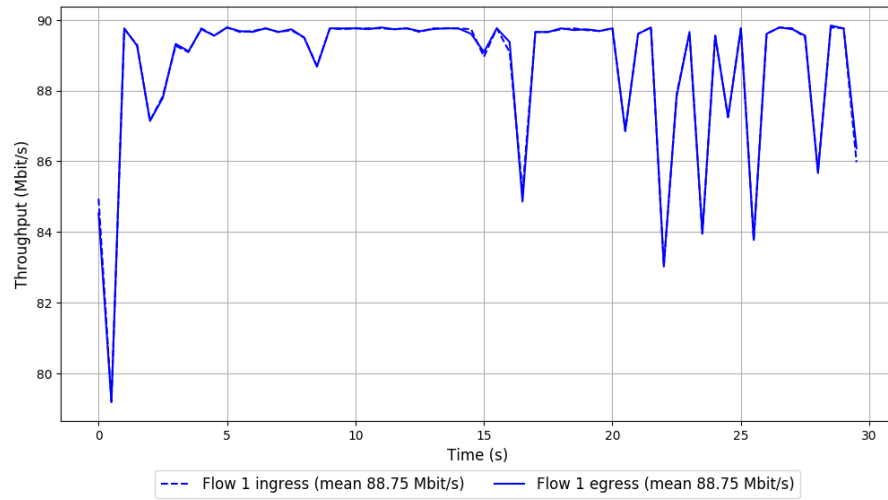
-- Flow 1:

Average throughput: 88.75 Mbit/s

95th percentile per-packet one-way delay: 2.513 ms

Loss rate: 0.00%

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

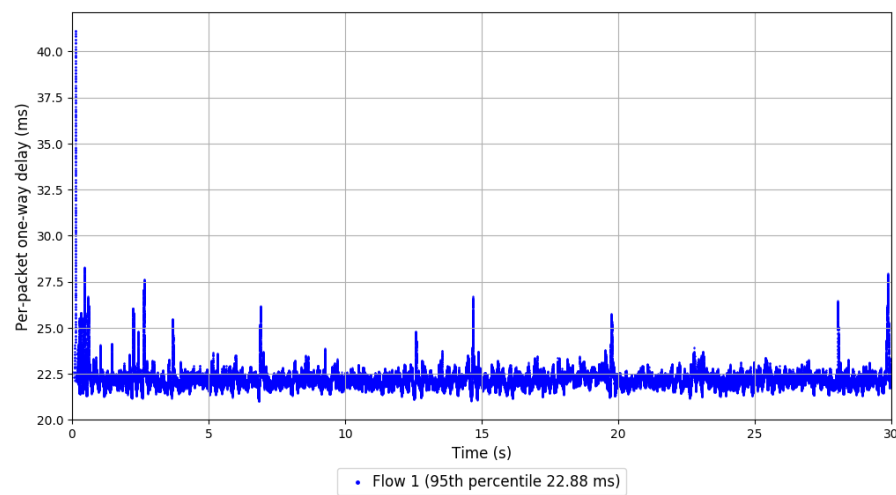
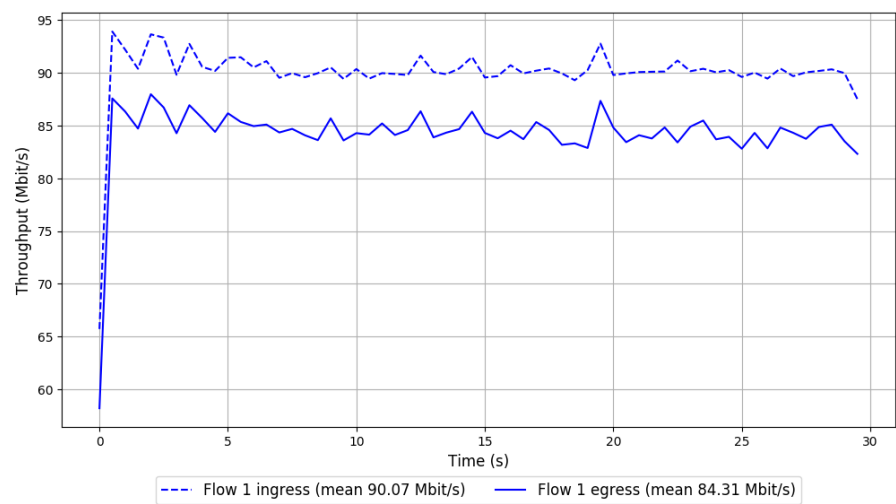


Run 2: Statistics of TaoVA-100x

Start at: 2018-02-16 01:53:41
End at: 2018-02-16 01:54:11
Local clock offset: -7.473 ms
Remote clock offset: -25.306 ms

Below is generated by plot.py at 2018-02-16 05:32:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.31 Mbit/s
95th percentile per-packet one-way delay: 22.875 ms
Loss rate: 6.46%
-- Flow 1:
Average throughput: 84.31 Mbit/s
95th percentile per-packet one-way delay: 22.875 ms
Loss rate: 6.46%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-02-16 02:14:35

End at: 2018-02-16 02:15:05

Local clock offset: -7.677 ms

Remote clock offset: -1.239 ms

Below is generated by plot.py at 2018-02-16 05:32:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.72 Mbit/s

95th percentile per-packet one-way delay: 2.500 ms

Loss rate: 0.00%

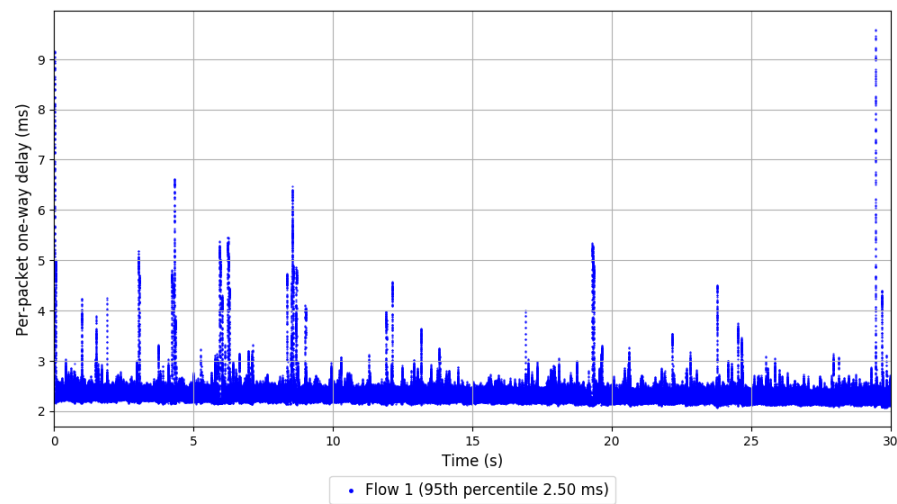
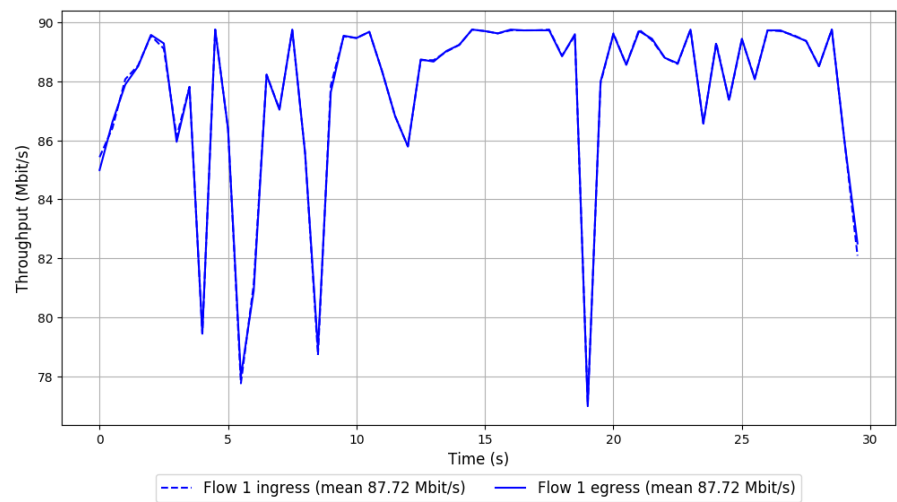
-- Flow 1:

Average throughput: 87.72 Mbit/s

95th percentile per-packet one-way delay: 2.500 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-02-16 02:35:25

End at: 2018-02-16 02:35:55

Local clock offset: -5.58 ms

Remote clock offset: 0.803 ms

Below is generated by plot.py at 2018-02-16 05:32:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.25 Mbit/s

95th percentile per-packet one-way delay: 51.940 ms

Loss rate: 1.30%

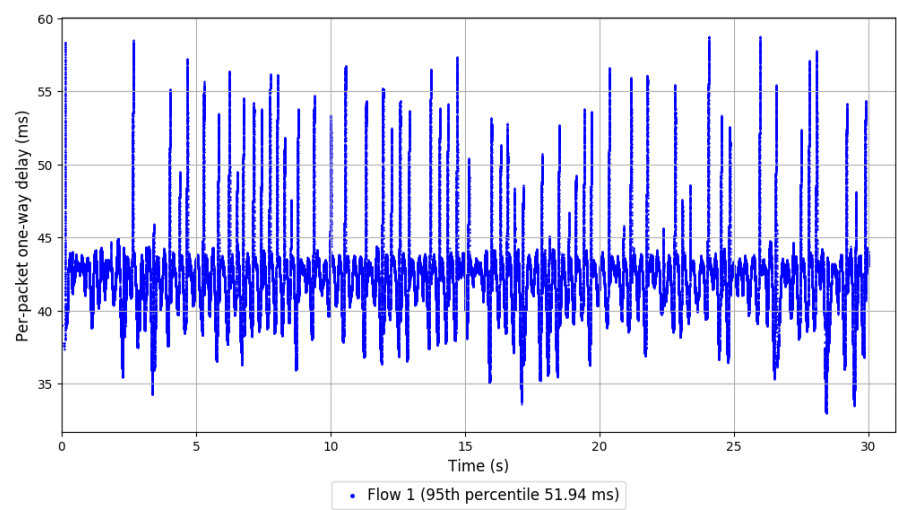
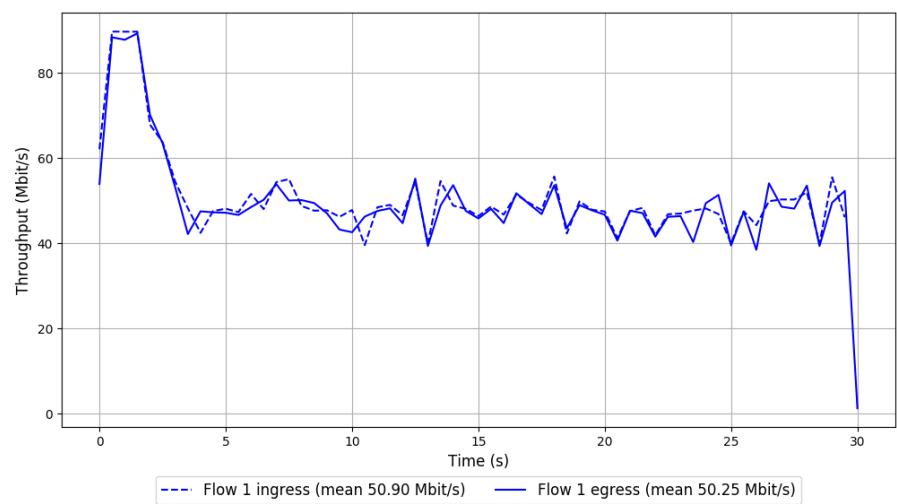
-- Flow 1:

Average throughput: 50.25 Mbit/s

95th percentile per-packet one-way delay: 51.940 ms

Loss rate: 1.30%

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

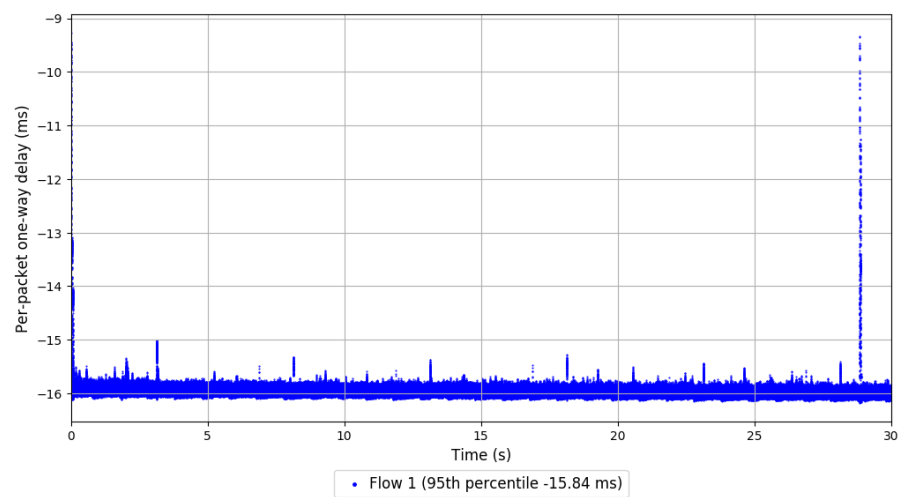
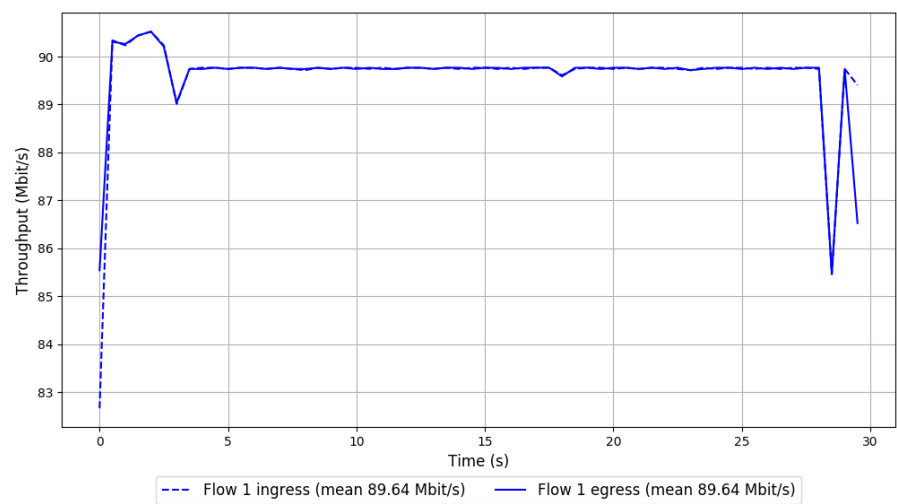


Run 5: Statistics of TaoVA-100x

Start at: 2018-02-16 02:56:12
End at: 2018-02-16 02:56:42
Local clock offset: -5.574 ms
Remote clock offset: -16.285 ms

Below is generated by plot.py at 2018-02-16 05:32:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.64 Mbit/s
95th percentile per-packet one-way delay: -15.841 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.64 Mbit/s
95th percentile per-packet one-way delay: -15.841 ms
Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-02-16 03:16:53

End at: 2018-02-16 03:17:23

Local clock offset: -6.275 ms

Remote clock offset: -2.233 ms

Below is generated by plot.py at 2018-02-16 05:32:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.68 Mbit/s

95th percentile per-packet one-way delay: 2.881 ms

Loss rate: 0.00%

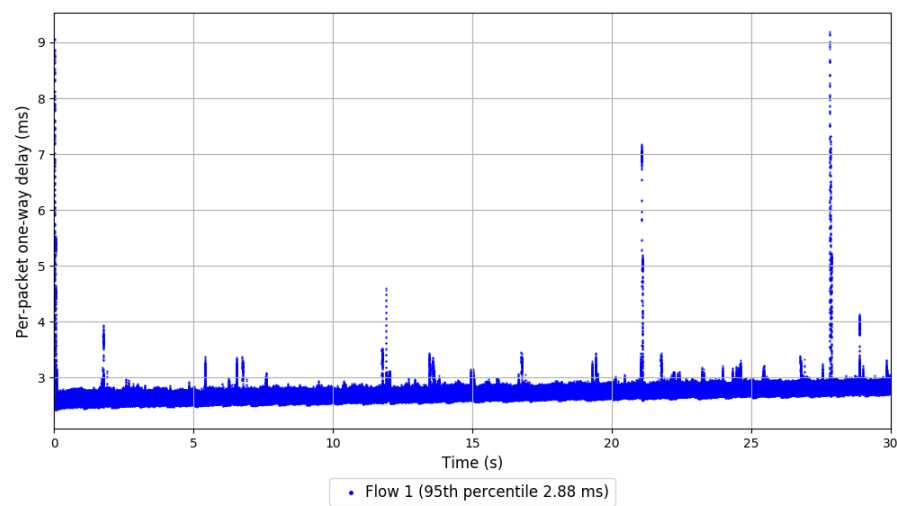
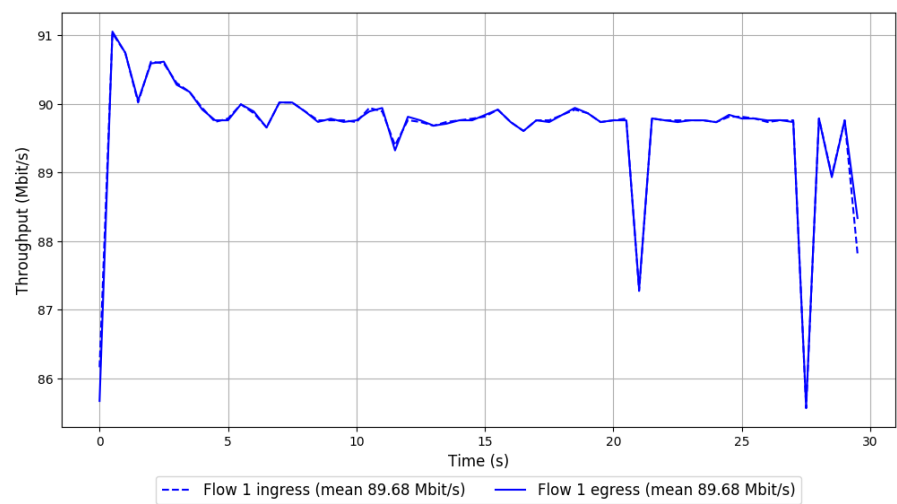
-- Flow 1:

Average throughput: 89.68 Mbit/s

95th percentile per-packet one-way delay: 2.881 ms

Loss rate: 0.00%

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

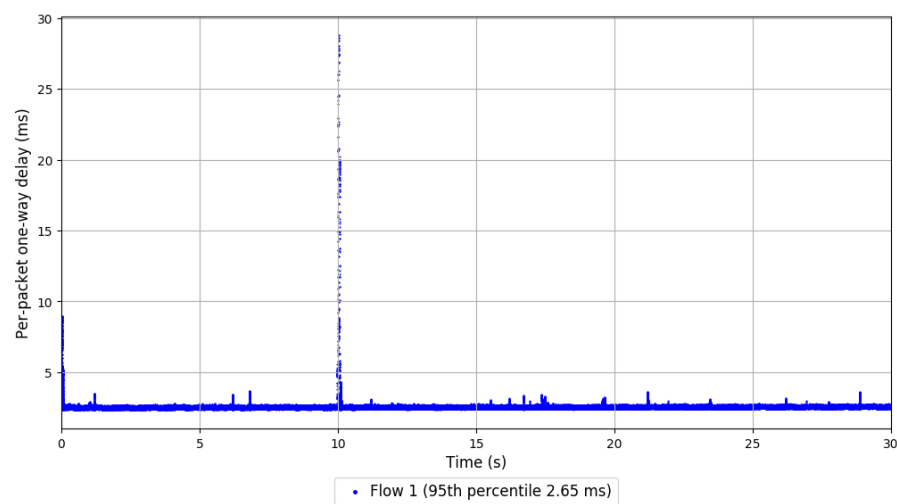
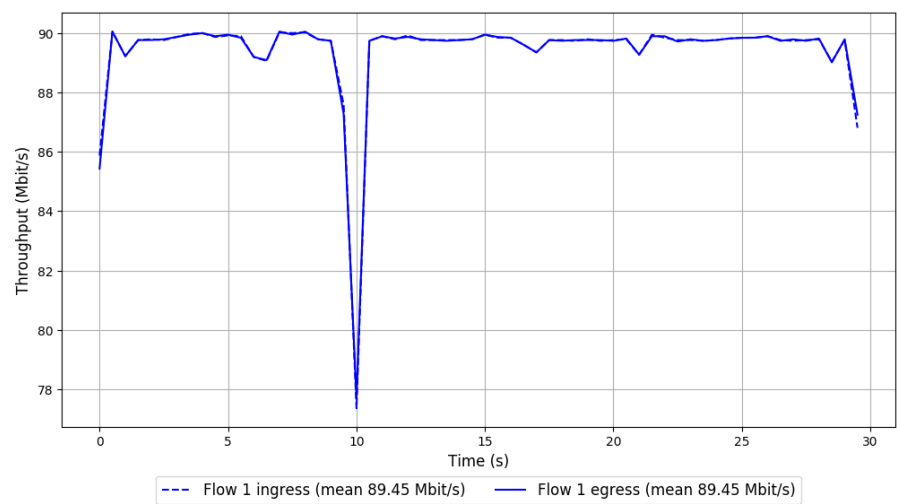


Run 7: Statistics of TaoVA-100x

Start at: 2018-02-16 03:37:23
End at: 2018-02-16 03:37:53
Local clock offset: -5.902 ms
Remote clock offset: -7.228 ms

Below is generated by plot.py at 2018-02-16 05:32:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.45 Mbit/s
95th percentile per-packet one-way delay: 2.646 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.45 Mbit/s
95th percentile per-packet one-way delay: 2.646 ms
Loss rate: 0.00%

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

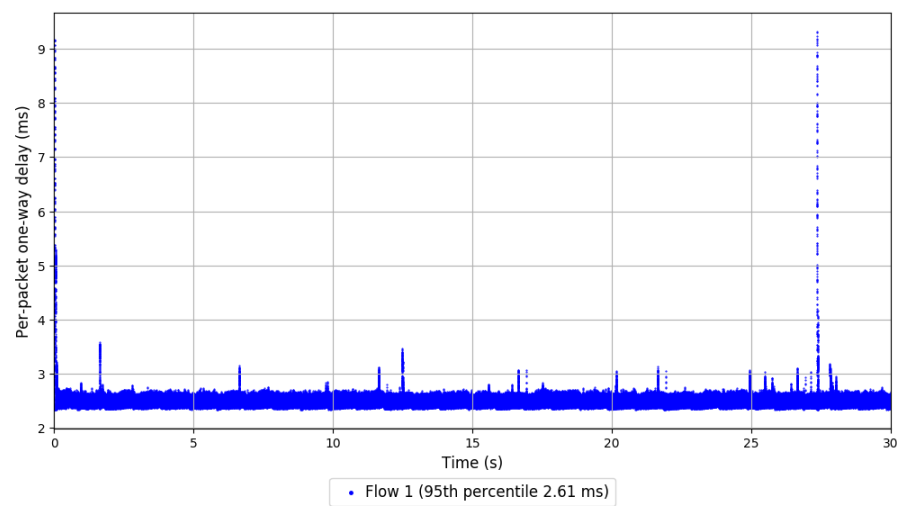
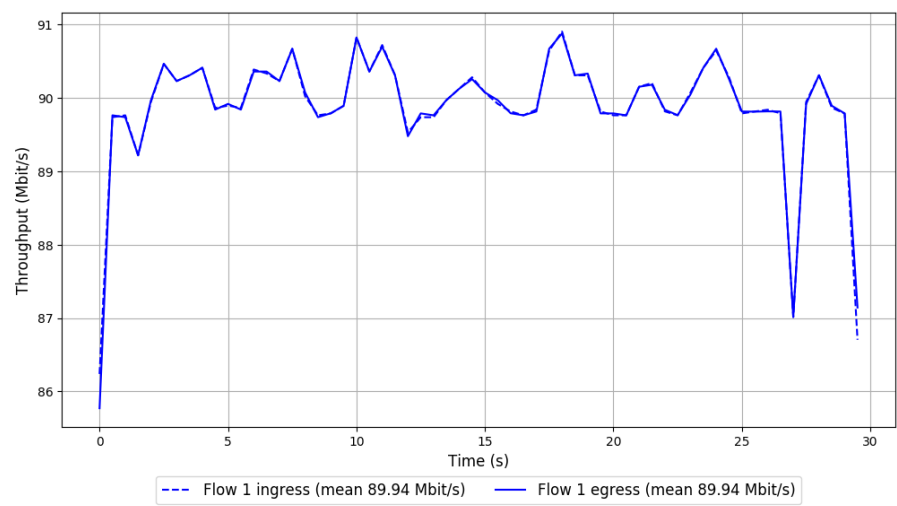


Run 8: Statistics of TaoVA-100x

Start at: 2018-02-16 03:57:46
End at: 2018-02-16 03:58:16
Local clock offset: -5.702 ms
Remote clock offset: -6.457 ms

Below is generated by plot.py at 2018-02-16 05:32:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.94 Mbit/s
95th percentile per-packet one-way delay: 2.609 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.94 Mbit/s
95th percentile per-packet one-way delay: 2.609 ms
Loss rate: 0.00%

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

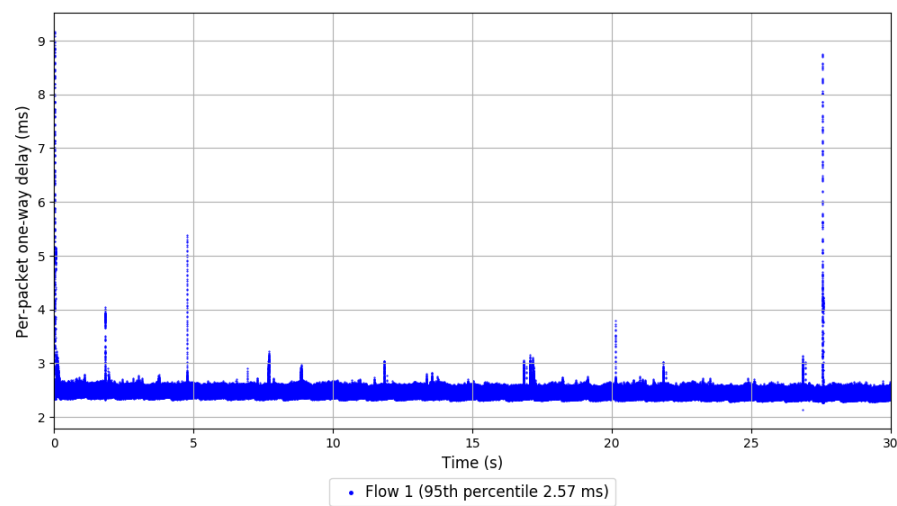
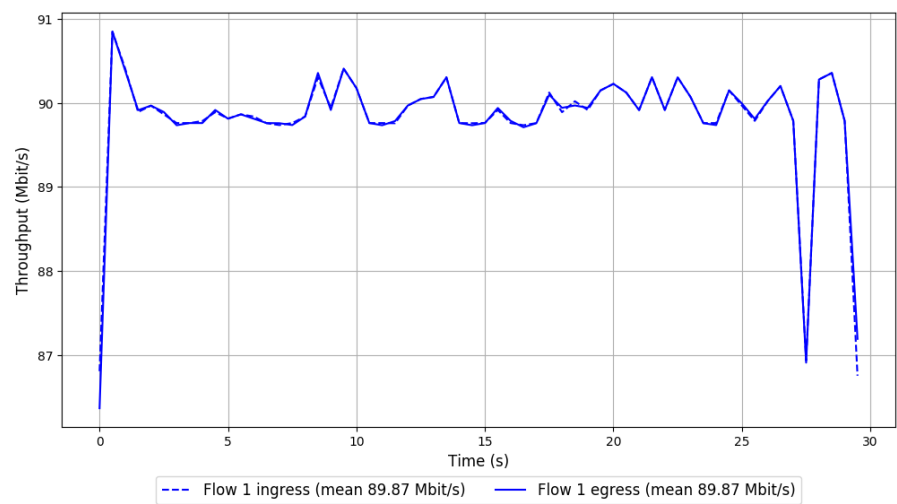


Run 9: Statistics of TaoVA-100x

Start at: 2018-02-16 04:18:10
End at: 2018-02-16 04:18:40
Local clock offset: -2.908 ms
Remote clock offset: -6.892 ms

Below is generated by plot.py at 2018-02-16 05:33:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.87 Mbit/s
95th percentile per-packet one-way delay: 2.569 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.87 Mbit/s
95th percentile per-packet one-way delay: 2.569 ms
Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-02-16 04:38:33

End at: 2018-02-16 04:39:03

Local clock offset: -3.406 ms

Remote clock offset: -5.676 ms

Below is generated by plot.py at 2018-02-16 05:33:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.45 Mbit/s

95th percentile per-packet one-way delay: 2.385 ms

Loss rate: 0.00%

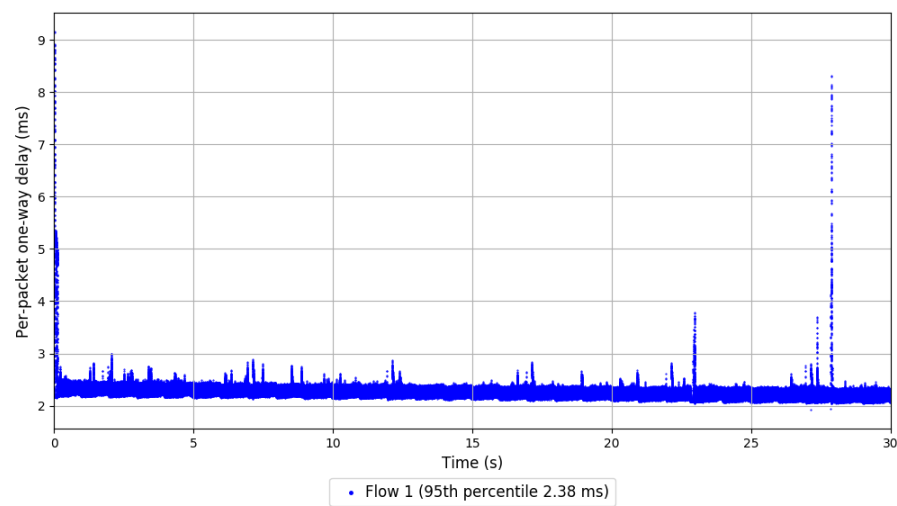
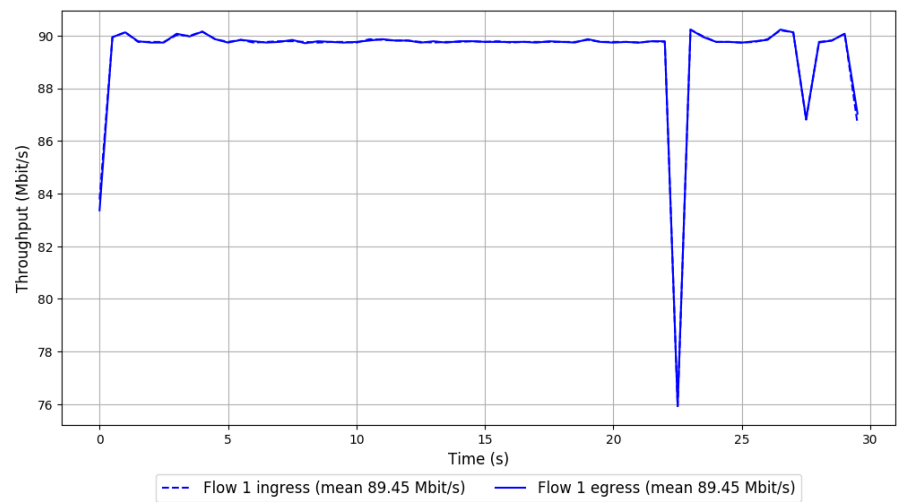
-- Flow 1:

Average throughput: 89.45 Mbit/s

95th percentile per-packet one-way delay: 2.385 ms

Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-02-16 01:35:08

End at: 2018-02-16 01:35:38

Local clock offset: -7.017 ms

Remote clock offset: -5.37 ms

Below is generated by plot.py at 2018-02-16 05:33:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.27 Mbit/s

95th percentile per-packet one-way delay: 3.805 ms

Loss rate: 0.00%

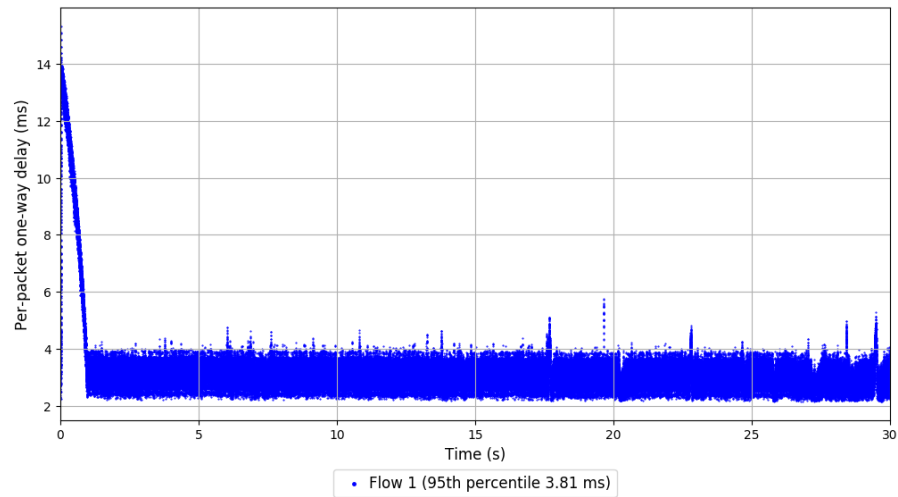
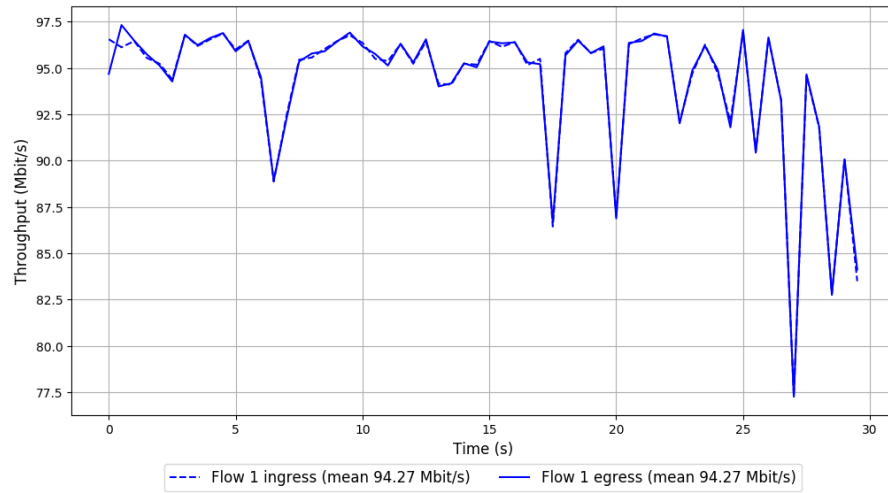
-- Flow 1:

Average throughput: 94.27 Mbit/s

95th percentile per-packet one-way delay: 3.805 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

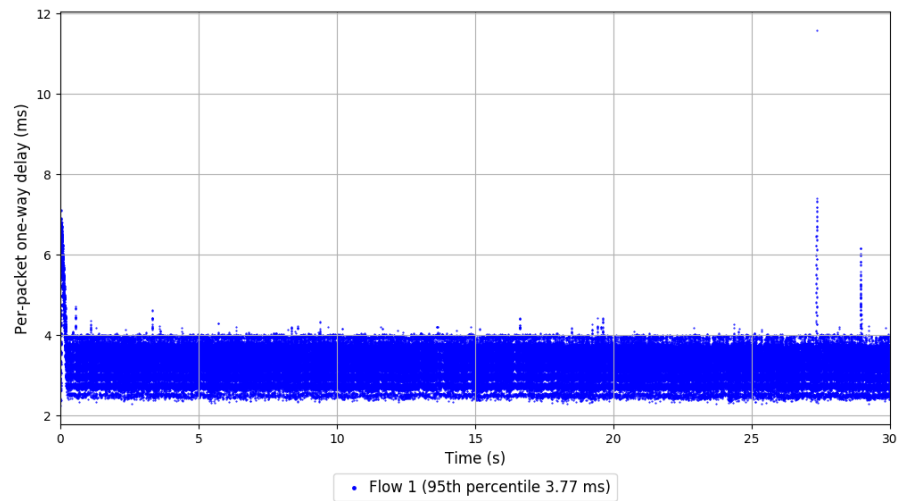
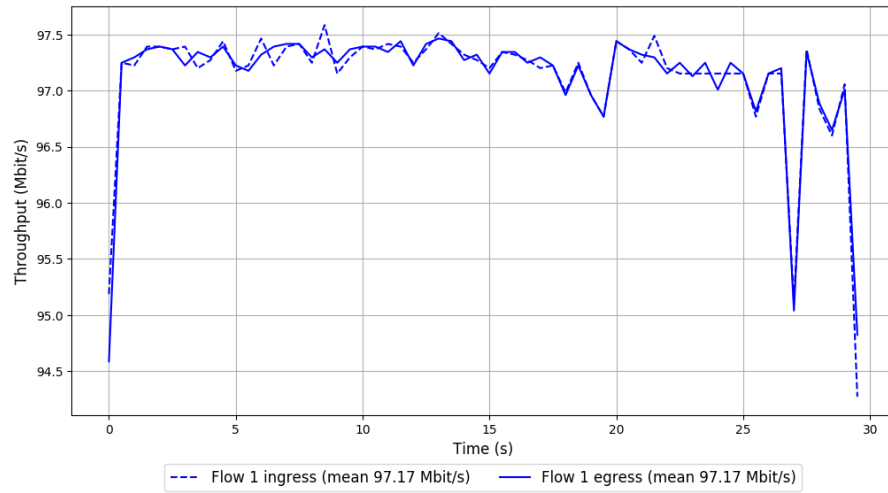


Run 2: Statistics of TCP Vegas

Start at: 2018-02-16 01:56:00
End at: 2018-02-16 01:56:30
Local clock offset: -7.392 ms
Remote clock offset: -5.012 ms

Below is generated by plot.py at 2018-02-16 05:33:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 3.773 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 3.773 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

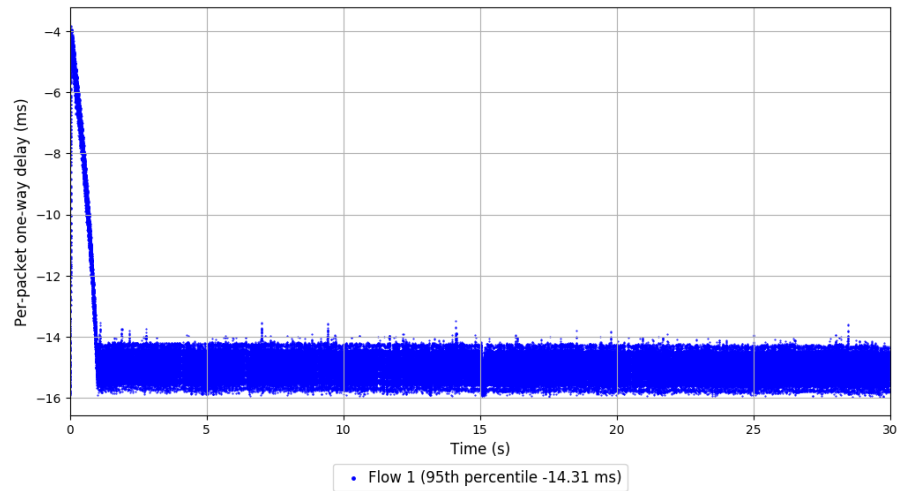
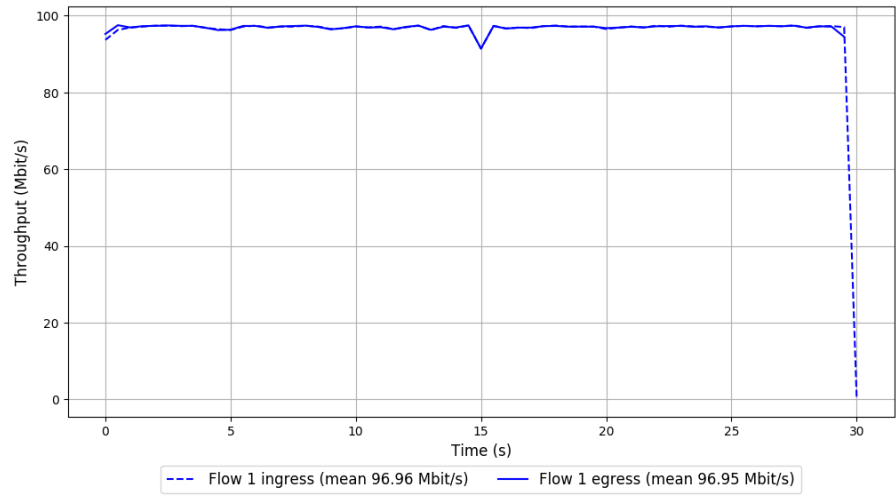


Run 3: Statistics of TCP Vegas

Start at: 2018-02-16 02:17:02
End at: 2018-02-16 02:17:32
Local clock offset: -7.766 ms
Remote clock offset: -19.007 ms

Below is generated by plot.py at 2018-02-16 05:33:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.95 Mbit/s
95th percentile per-packet one-way delay: -14.314 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.95 Mbit/s
95th percentile per-packet one-way delay: -14.314 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-02-16 02:37:47

End at: 2018-02-16 02:38:17

Local clock offset: -5.491 ms

Remote clock offset: 0.98 ms

Below is generated by plot.py at 2018-02-16 05:33:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.11 Mbit/s

95th percentile per-packet one-way delay: 4.600 ms

Loss rate: 0.00%

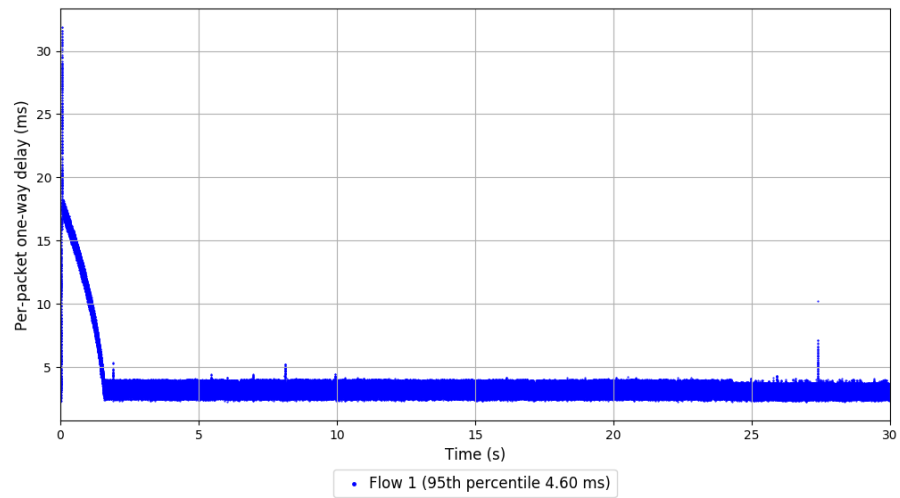
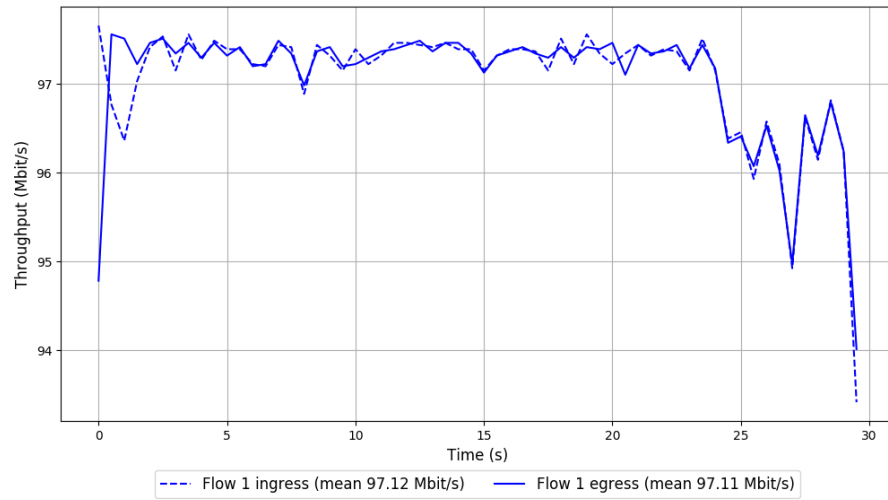
-- Flow 1:

Average throughput: 97.11 Mbit/s

95th percentile per-packet one-way delay: 4.600 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-02-16 02:58:37

End at: 2018-02-16 02:59:07

Local clock offset: -5.72 ms

Remote clock offset: 2.206 ms

Below is generated by plot.py at 2018-02-16 05:33:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.25 Mbit/s

95th percentile per-packet one-way delay: 3.692 ms

Loss rate: 0.00%

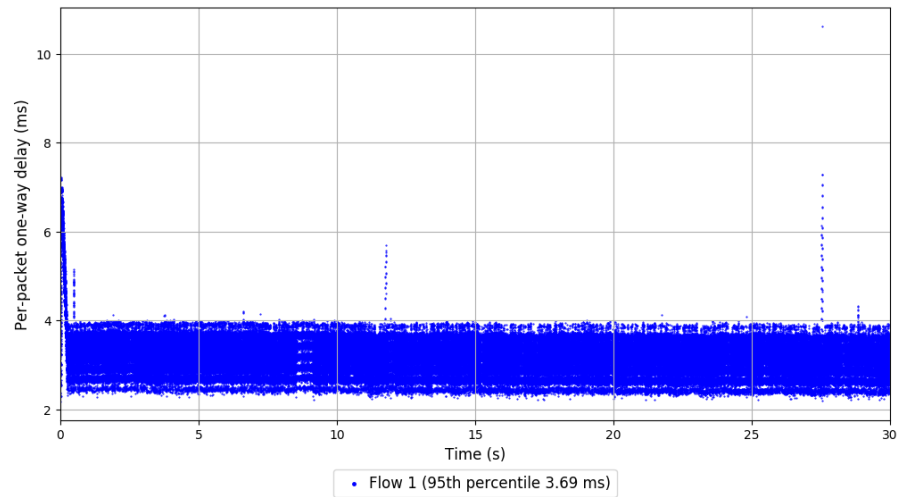
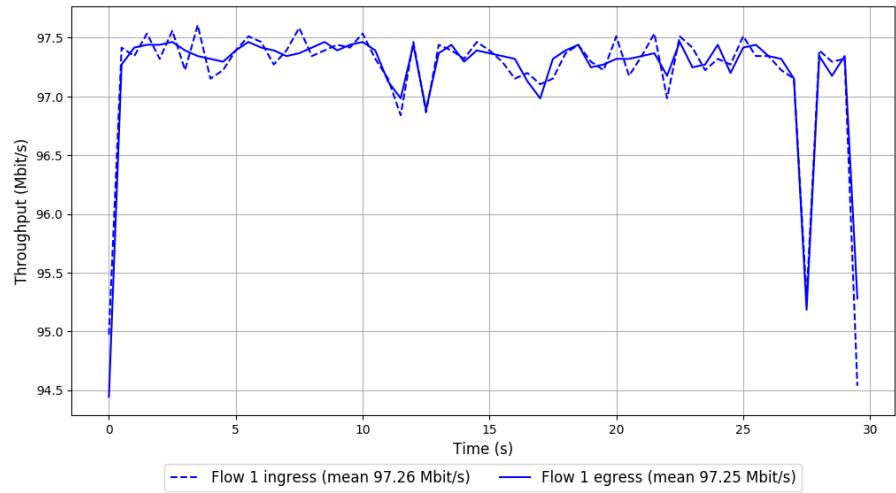
-- Flow 1:

Average throughput: 97.25 Mbit/s

95th percentile per-packet one-way delay: 3.692 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

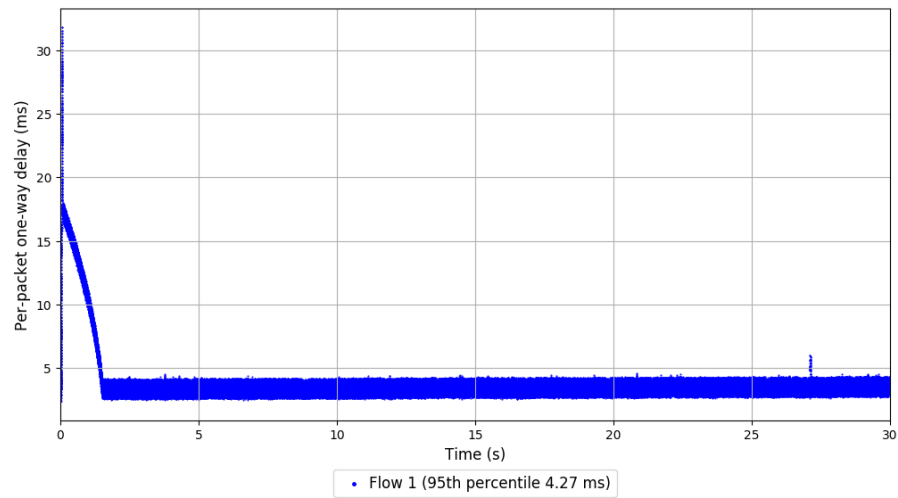
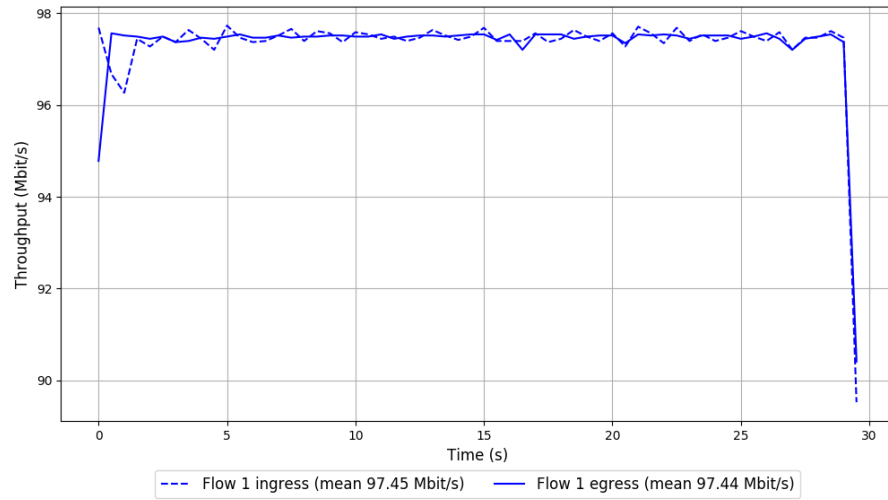


Run 6: Statistics of TCP Vegas

Start at: 2018-02-16 03:19:12
End at: 2018-02-16 03:19:42
Local clock offset: -6.306 ms
Remote clock offset: -3.296 ms

Below is generated by plot.py at 2018-02-16 05:33:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 4.274 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 4.274 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

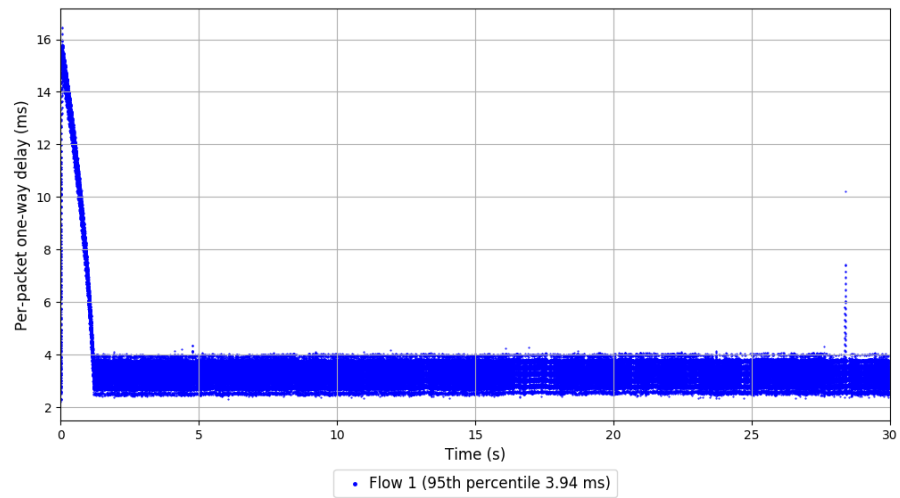
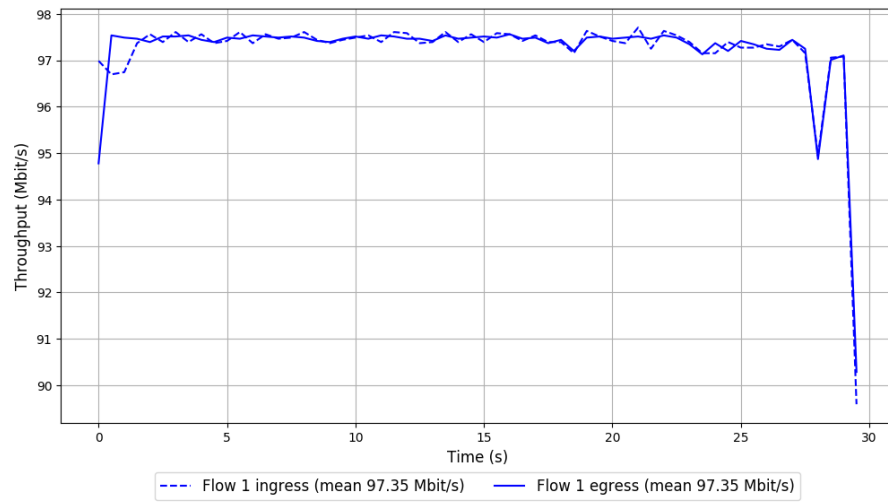


Run 7: Statistics of TCP Vegas

Start at: 2018-02-16 03:39:44
End at: 2018-02-16 03:40:14
Local clock offset: -5.858 ms
Remote clock offset: -7.552 ms

Below is generated by plot.py at 2018-02-16 05:34:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.35 Mbit/s
95th percentile per-packet one-way delay: 3.942 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.35 Mbit/s
95th percentile per-packet one-way delay: 3.942 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

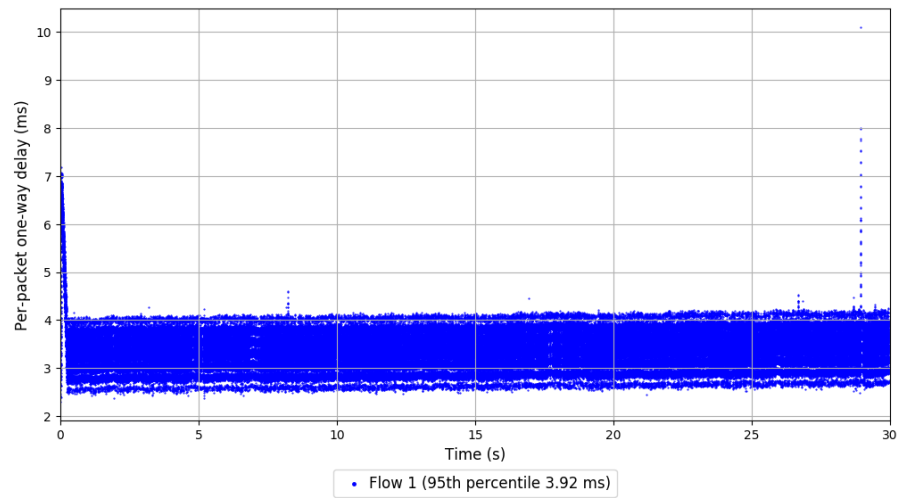
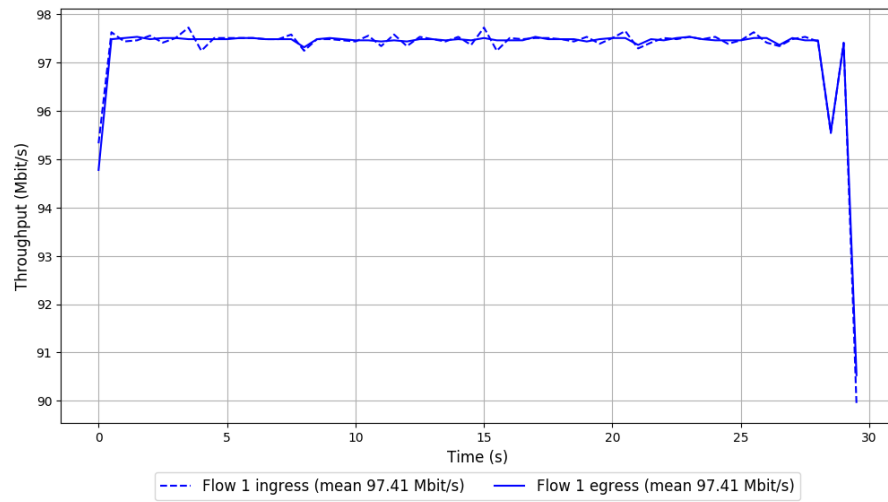


Run 8: Statistics of TCP Vegas

Start at: 2018-02-16 04:00:08
End at: 2018-02-16 04:00:38
Local clock offset: -5.628 ms
Remote clock offset: -6.431 ms

Below is generated by plot.py at 2018-02-16 05:34:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.41 Mbit/s
95th percentile per-packet one-way delay: 3.922 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.41 Mbit/s
95th percentile per-packet one-way delay: 3.922 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

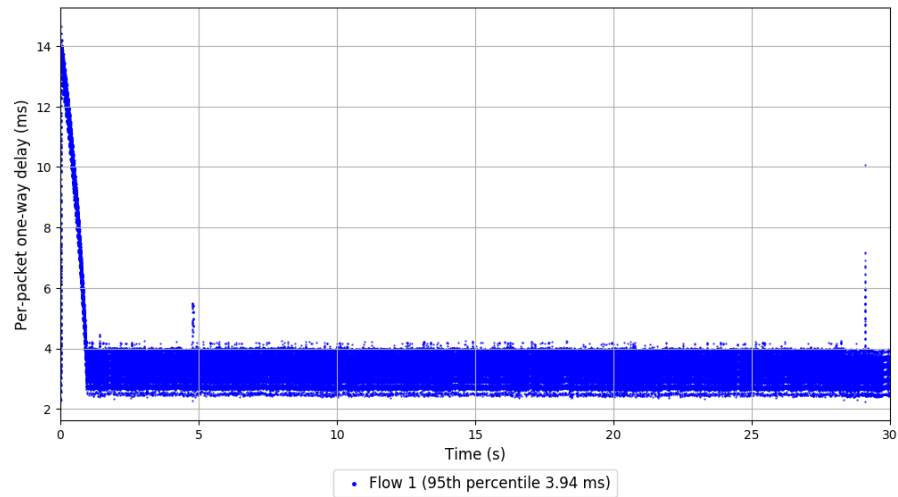
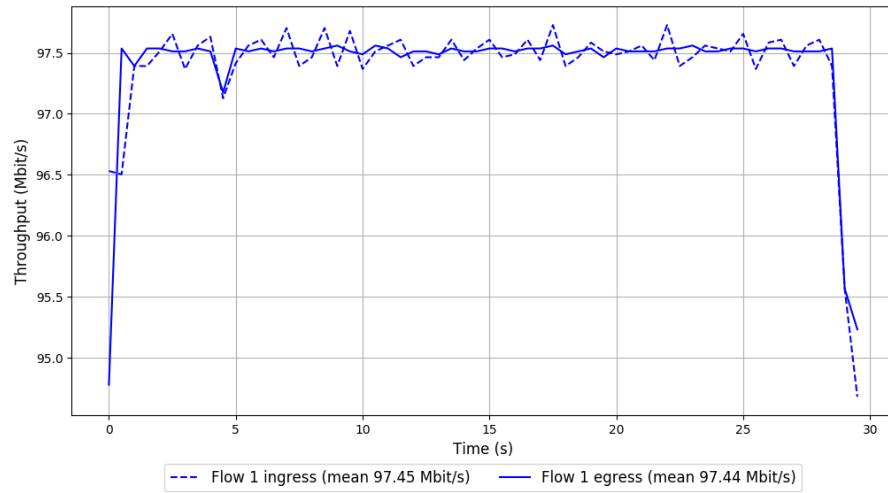


Run 9: Statistics of TCP Vegas

Start at: 2018-02-16 04:20:32
End at: 2018-02-16 04:21:02
Local clock offset: -2.761 ms
Remote clock offset: -6.596 ms

Below is generated by plot.py at 2018-02-16 05:34:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 3.945 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 3.945 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-02-16 04:40:55

End at: 2018-02-16 04:41:25

Local clock offset: -3.985 ms

Remote clock offset: -5.766 ms

Below is generated by plot.py at 2018-02-16 05:34:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.86 Mbit/s

95th percentile per-packet one-way delay: 2.832 ms

Loss rate: 0.05%

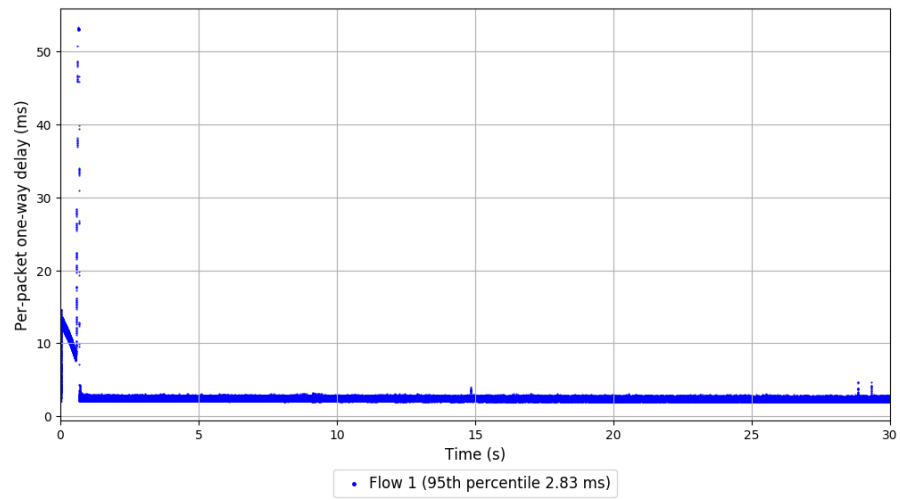
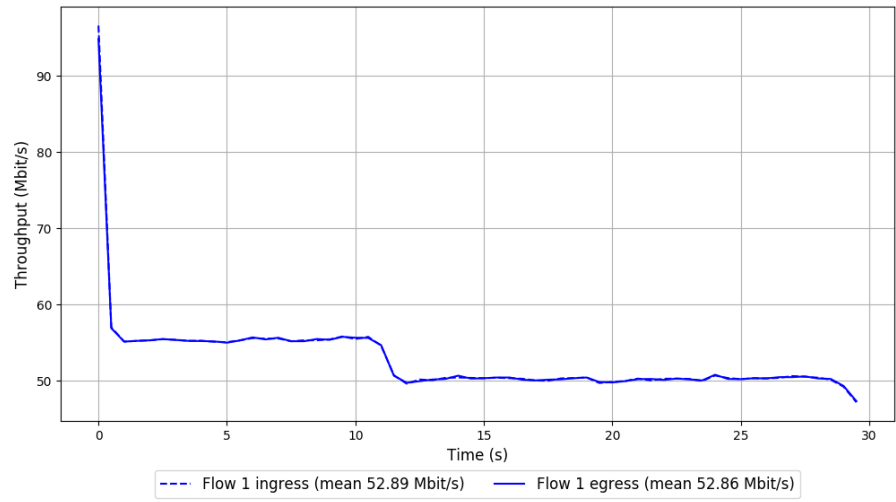
-- Flow 1:

Average throughput: 52.86 Mbit/s

95th percentile per-packet one-way delay: 2.832 ms

Loss rate: 0.05%

Run 10: Report of TCP Vegas — Data Link

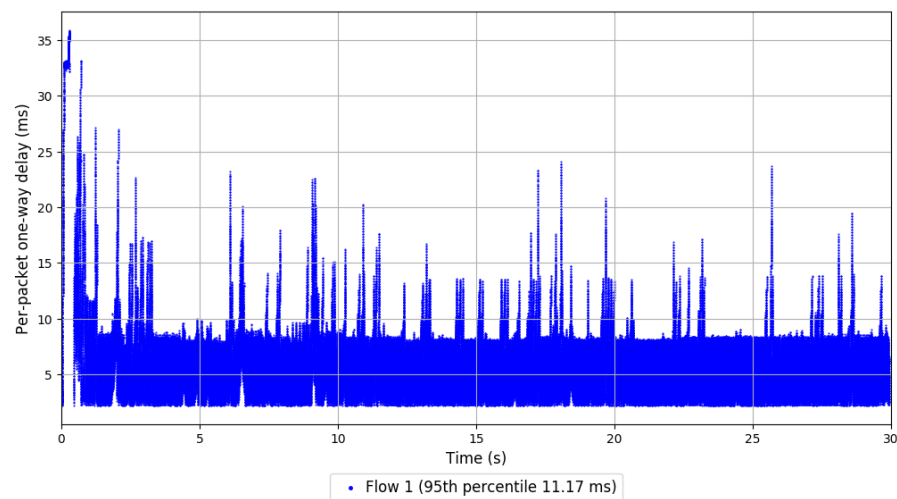
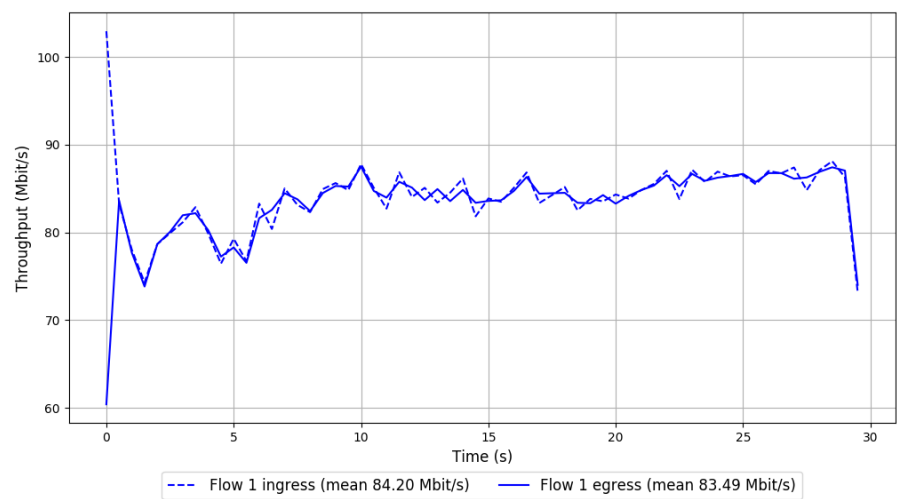


Run 1: Statistics of Verus

Start at: 2018-02-16 01:50:12
End at: 2018-02-16 01:50:42
Local clock offset: -7.479 ms
Remote clock offset: -5.129 ms

Below is generated by plot.py at 2018-02-16 05:34:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.49 Mbit/s
95th percentile per-packet one-way delay: 11.168 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 83.49 Mbit/s
95th percentile per-packet one-way delay: 11.168 ms
Loss rate: 0.82%

Run 1: Report of Verus — Data Link

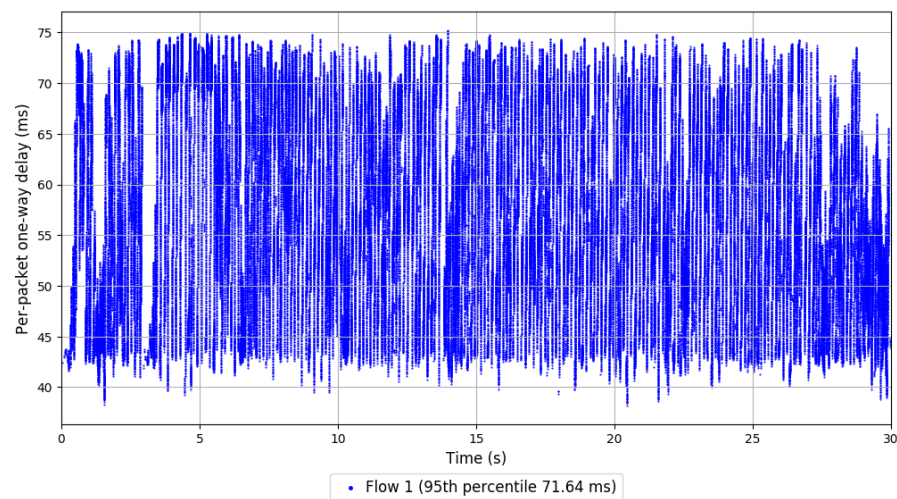
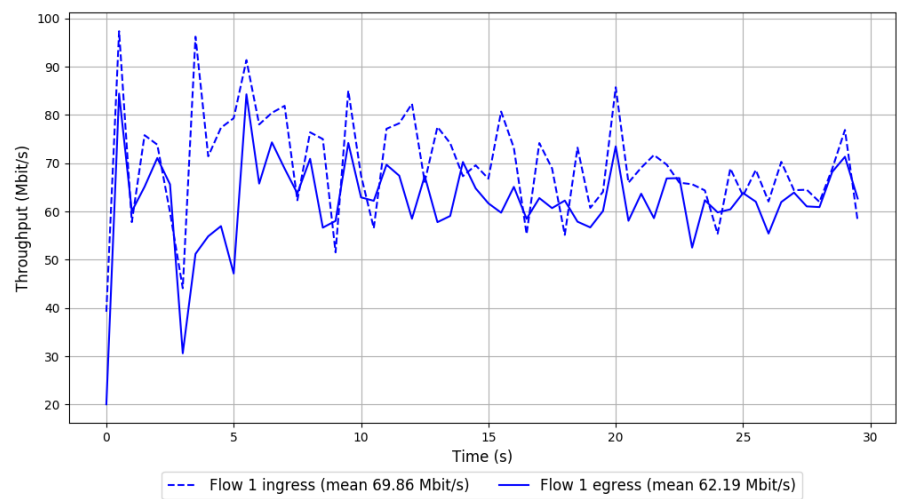


Run 2: Statistics of Verus

Start at: 2018-02-16 02:11:06
End at: 2018-02-16 02:11:36
Local clock offset: -7.594 ms
Remote clock offset: -1.792 ms

Below is generated by plot.py at 2018-02-16 05:34:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.19 Mbit/s
95th percentile per-packet one-way delay: 71.644 ms
Loss rate: 11.02%
-- Flow 1:
Average throughput: 62.19 Mbit/s
95th percentile per-packet one-way delay: 71.644 ms
Loss rate: 11.02%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-02-16 02:31:58

End at: 2018-02-16 02:32:28

Local clock offset: -5.773 ms

Remote clock offset: 0.49 ms

Below is generated by plot.py at 2018-02-16 05:34:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.19 Mbit/s

95th percentile per-packet one-way delay: 68.498 ms

Loss rate: 3.83%

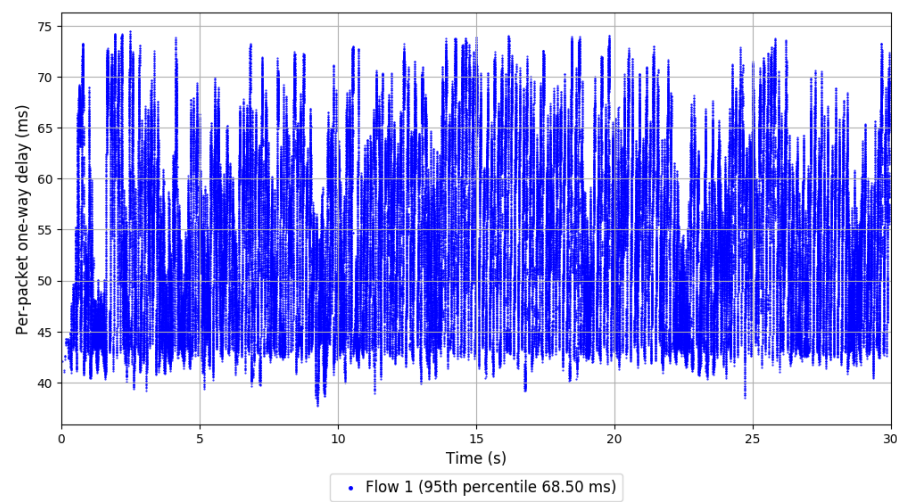
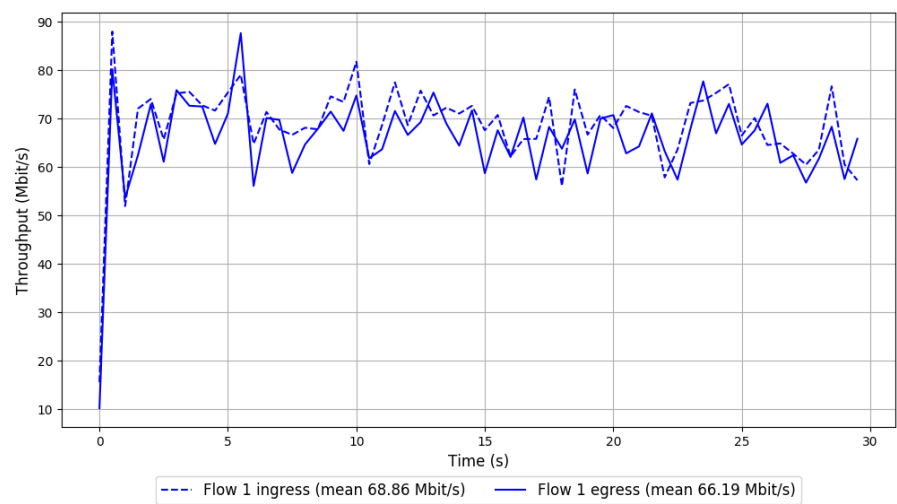
-- Flow 1:

Average throughput: 66.19 Mbit/s

95th percentile per-packet one-way delay: 68.498 ms

Loss rate: 3.83%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-02-16 02:52:46

End at: 2018-02-16 02:53:16

Local clock offset: -5.227 ms

Remote clock offset: 1.866 ms

Below is generated by plot.py at 2018-02-16 05:34:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.80 Mbit/s

95th percentile per-packet one-way delay: 8.538 ms

Loss rate: 1.01%

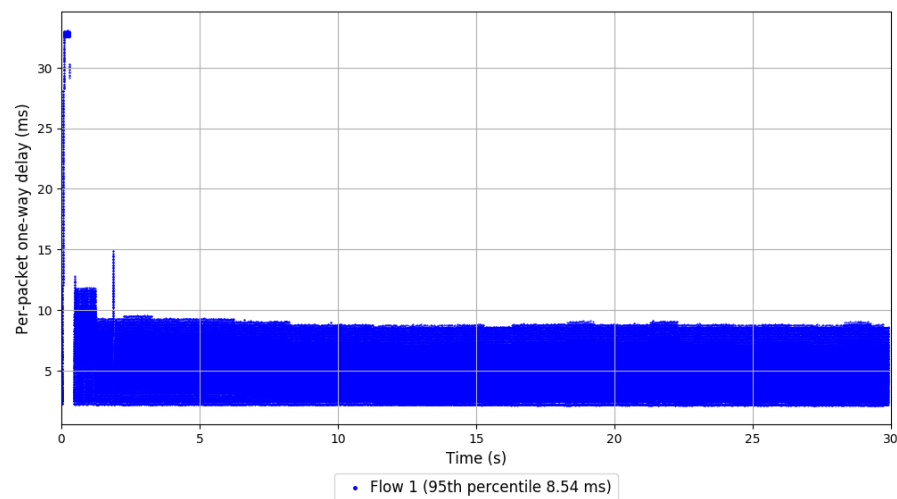
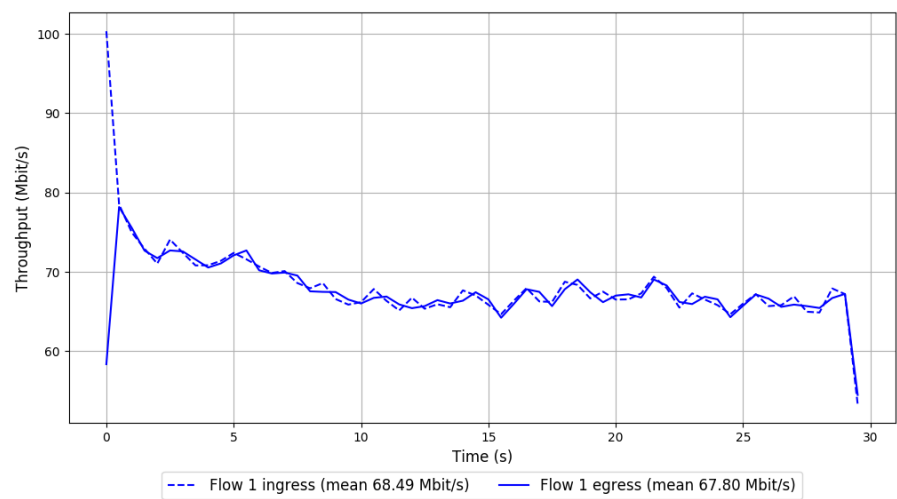
-- Flow 1:

Average throughput: 67.80 Mbit/s

95th percentile per-packet one-way delay: 8.538 ms

Loss rate: 1.01%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-02-16 03:13:27

End at: 2018-02-16 03:13:57

Local clock offset: -6.181 ms

Remote clock offset: -5.61 ms

Below is generated by plot.py at 2018-02-16 05:35:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.16 Mbit/s

95th percentile per-packet one-way delay: 3.852 ms

Loss rate: 1.00%

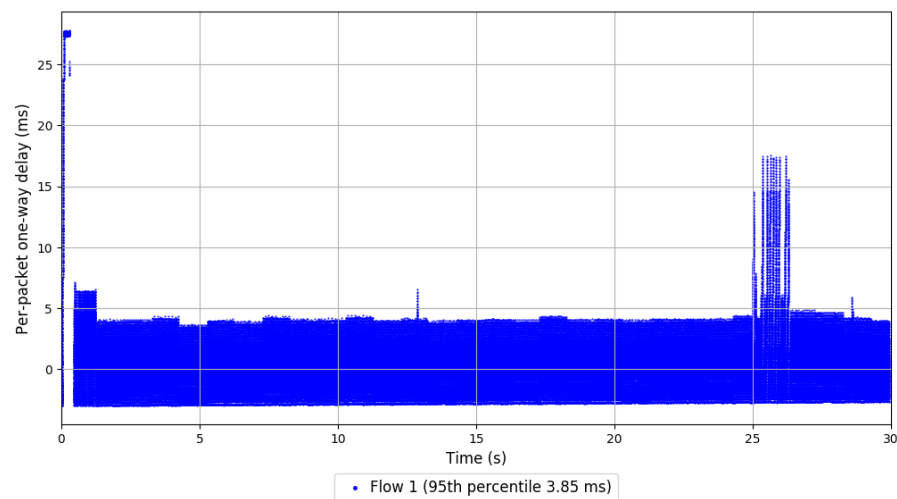
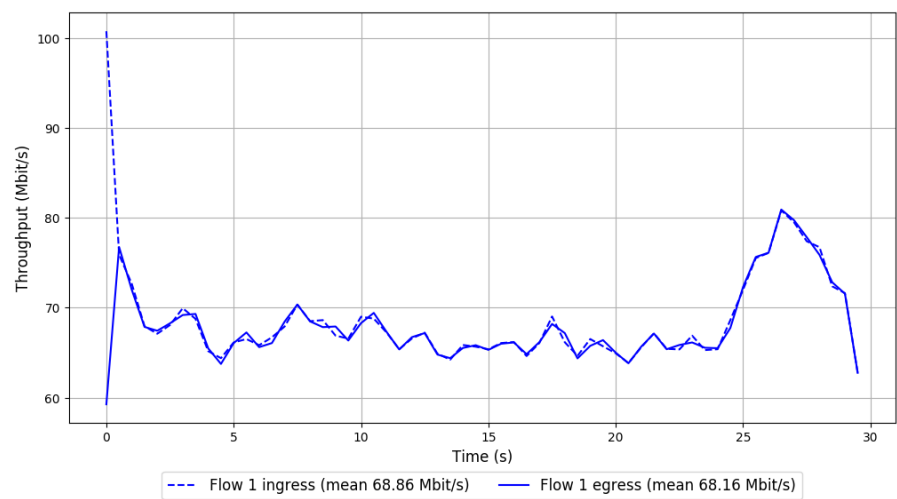
-- Flow 1:

Average throughput: 68.16 Mbit/s

95th percentile per-packet one-way delay: 3.852 ms

Loss rate: 1.00%

Run 5: Report of Verus — Data Link

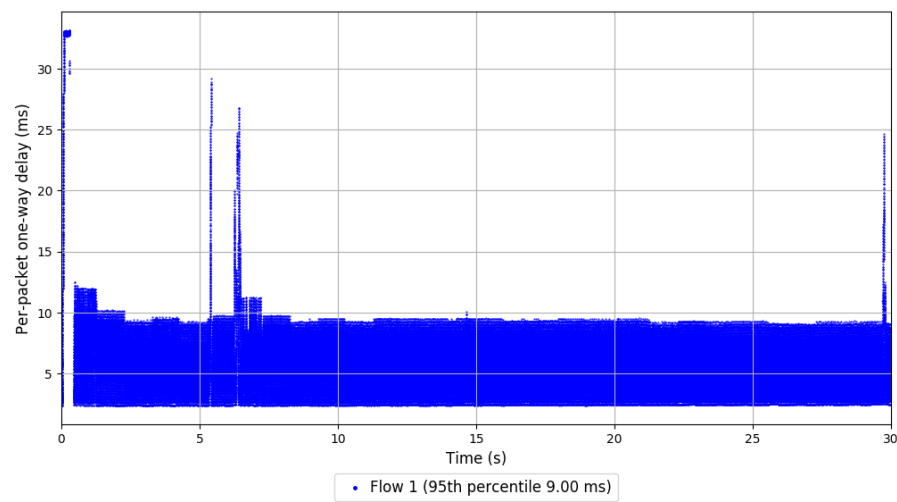
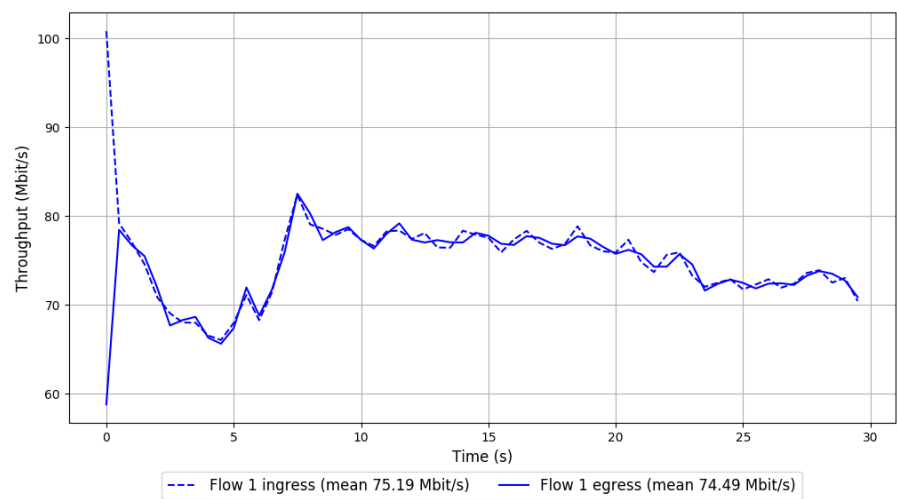


Run 6: Statistics of Verus

Start at: 2018-02-16 03:34:00
End at: 2018-02-16 03:34:30
Local clock offset: -6.026 ms
Remote clock offset: -6.781 ms

Below is generated by plot.py at 2018-02-16 05:35:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.49 Mbit/s
95th percentile per-packet one-way delay: 8.996 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 74.49 Mbit/s
95th percentile per-packet one-way delay: 8.996 ms
Loss rate: 0.91%

Run 6: Report of Verus — Data Link

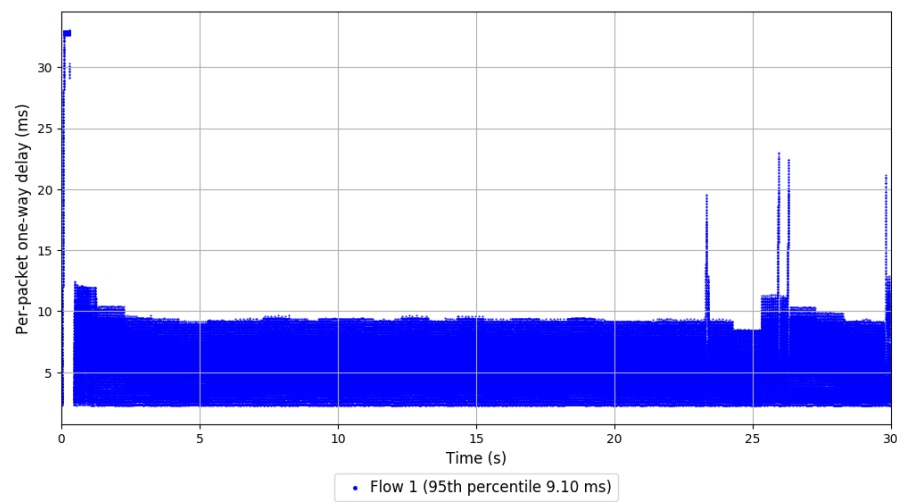
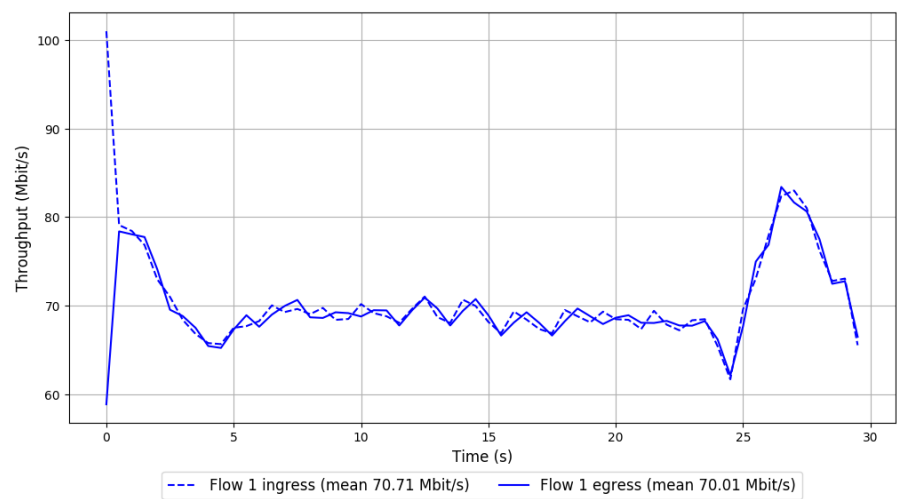


Run 7: Statistics of Verus

Start at: 2018-02-16 03:54:24
End at: 2018-02-16 03:54:54
Local clock offset: -5.676 ms
Remote clock offset: -6.547 ms

Below is generated by plot.py at 2018-02-16 05:35:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.01 Mbit/s
95th percentile per-packet one-way delay: 9.103 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 70.01 Mbit/s
95th percentile per-packet one-way delay: 9.103 ms
Loss rate: 0.97%

Run 7: Report of Verus — Data Link

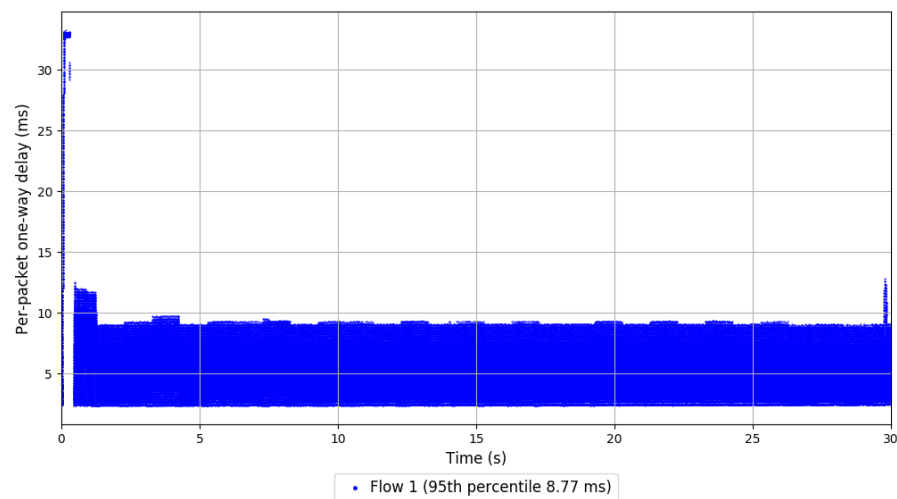
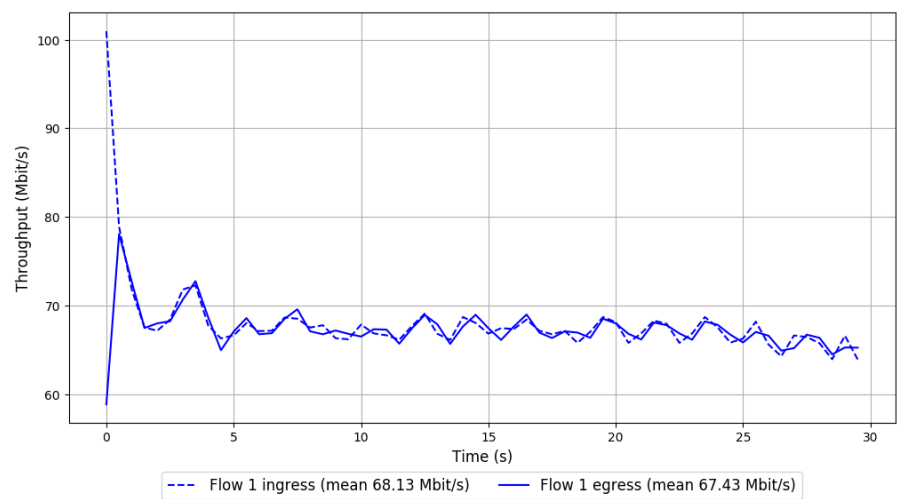


Run 8: Statistics of Verus

Start at: 2018-02-16 04:14:48
End at: 2018-02-16 04:15:18
Local clock offset: -3.186 ms
Remote clock offset: -6.787 ms

Below is generated by plot.py at 2018-02-16 05:35:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.43 Mbit/s
95th percentile per-packet one-way delay: 8.771 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 67.43 Mbit/s
95th percentile per-packet one-way delay: 8.771 ms
Loss rate: 1.01%

Run 8: Report of Verus — Data Link

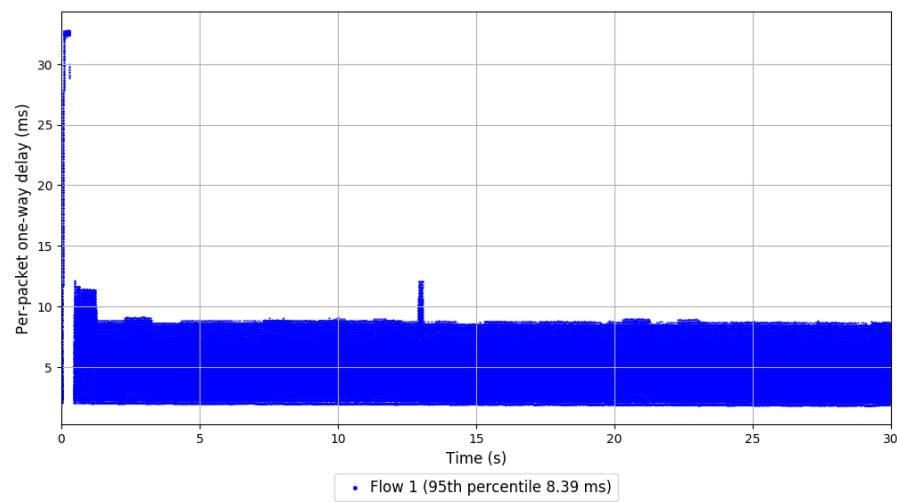
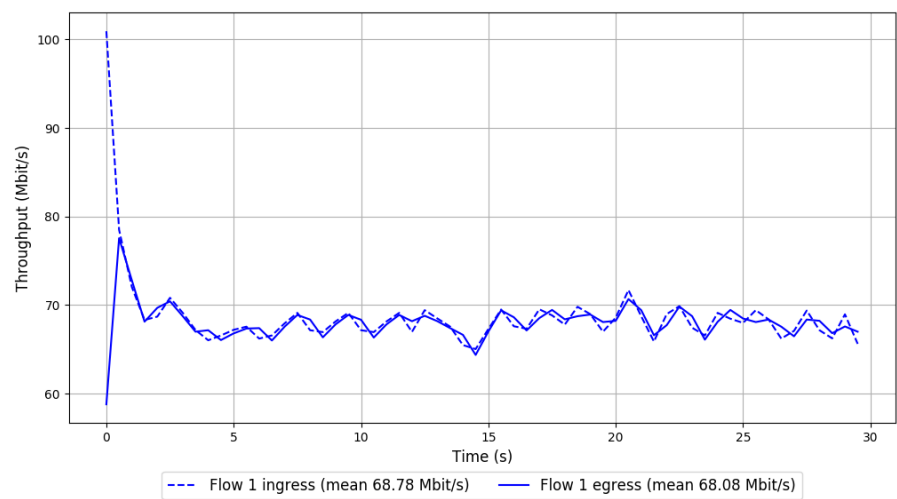


Run 9: Statistics of Verus

Start at: 2018-02-16 04:35:11
End at: 2018-02-16 04:35:41
Local clock offset: -2.187 ms
Remote clock offset: -5.728 ms

Below is generated by plot.py at 2018-02-16 05:35:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.08 Mbit/s
95th percentile per-packet one-way delay: 8.387 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 68.08 Mbit/s
95th percentile per-packet one-way delay: 8.387 ms
Loss rate: 1.00%

Run 9: Report of Verus — Data Link

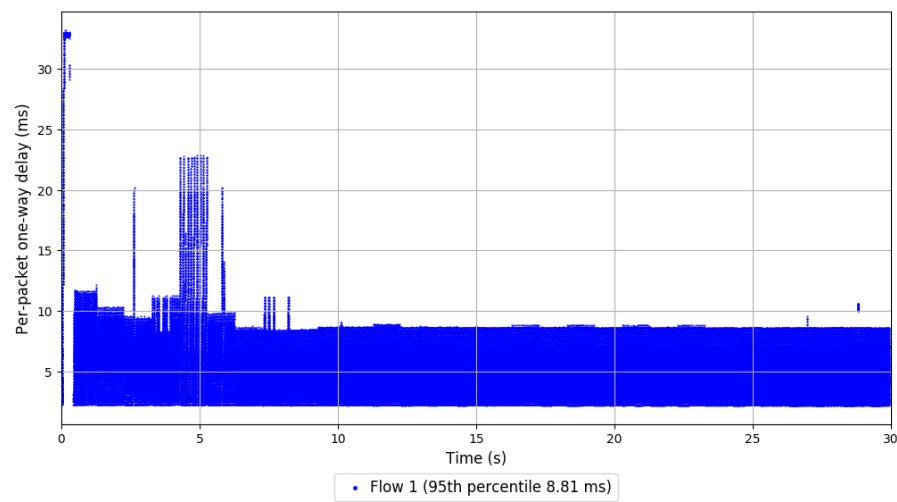
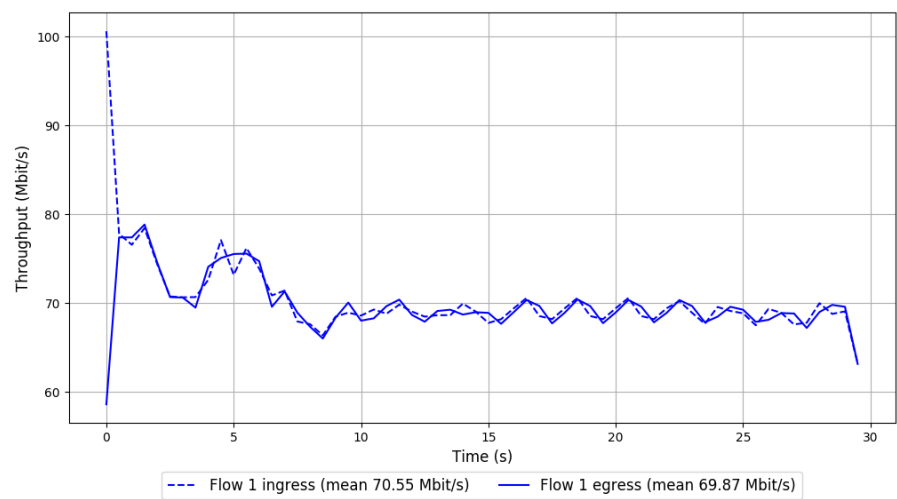


Run 10: Statistics of Verus

Start at: 2018-02-16 04:55:33
End at: 2018-02-16 04:56:03
Local clock offset: -5.702 ms
Remote clock offset: -5.507 ms

Below is generated by plot.py at 2018-02-16 05:35:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.87 Mbit/s
95th percentile per-packet one-way delay: 8.807 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 69.87 Mbit/s
95th percentile per-packet one-way delay: 8.807 ms
Loss rate: 0.96%

Run 10: Report of Verus — Data Link

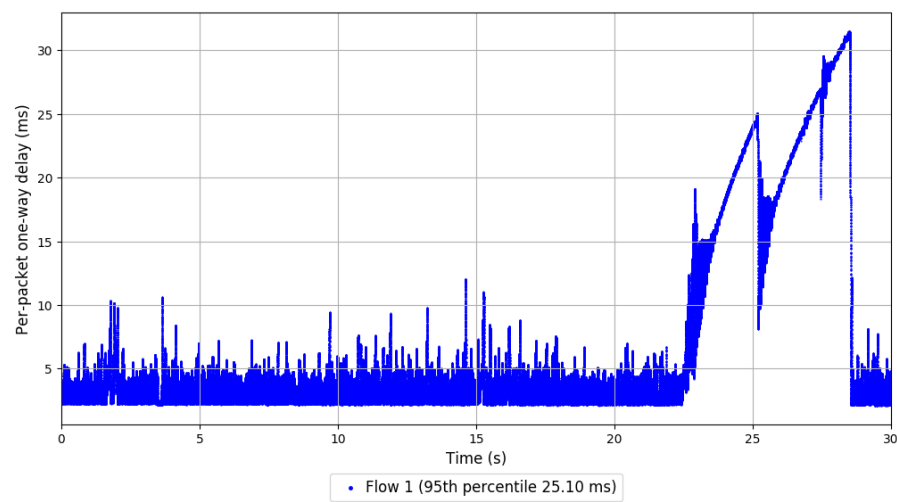
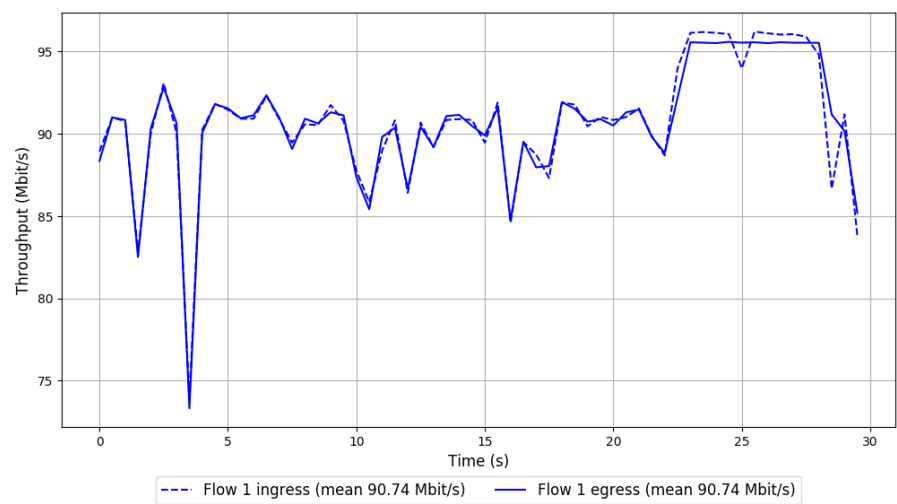


Run 1: Statistics of Copa

Start at: 2018-02-16 01:33:55
End at: 2018-02-16 01:34:25
Local clock offset: -6.889 ms
Remote clock offset: -5.488 ms

Below is generated by plot.py at 2018-02-16 05:37:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.74 Mbit/s
95th percentile per-packet one-way delay: 25.102 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.74 Mbit/s
95th percentile per-packet one-way delay: 25.102 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

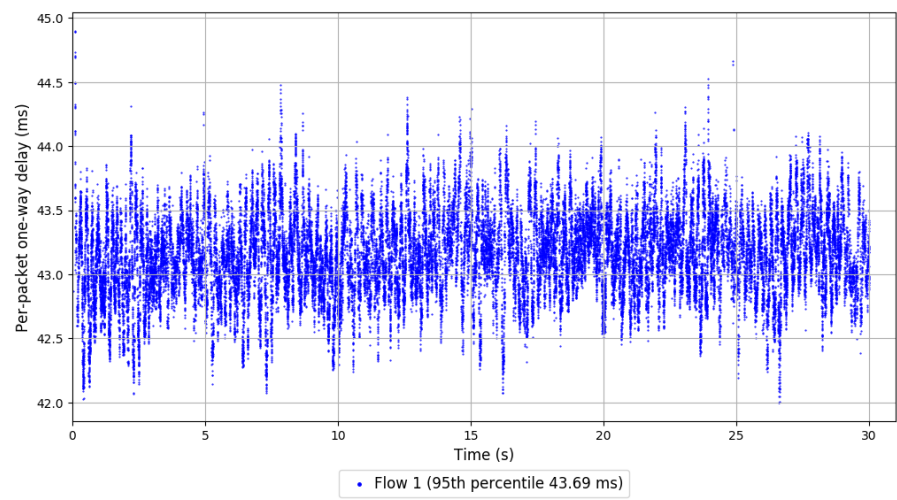
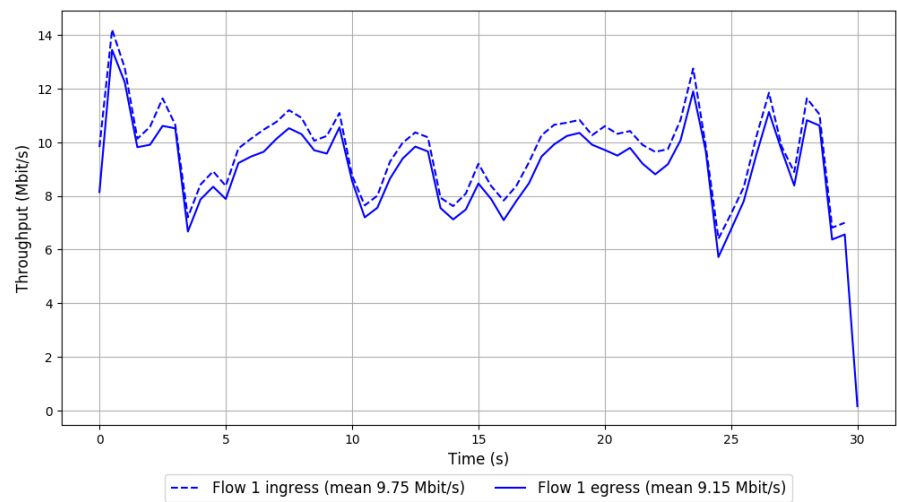


Run 2: Statistics of Copa

Start at: 2018-02-16 01:54:54
End at: 2018-02-16 01:55:24
Local clock offset: -7.409 ms
Remote clock offset: -5.037 ms

Below is generated by plot.py at 2018-02-16 05:37:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.15 Mbit/s
95th percentile per-packet one-way delay: 43.685 ms
Loss rate: 6.12%
-- Flow 1:
Average throughput: 9.15 Mbit/s
95th percentile per-packet one-way delay: 43.685 ms
Loss rate: 6.12%

Run 2: Report of Copa — Data Link

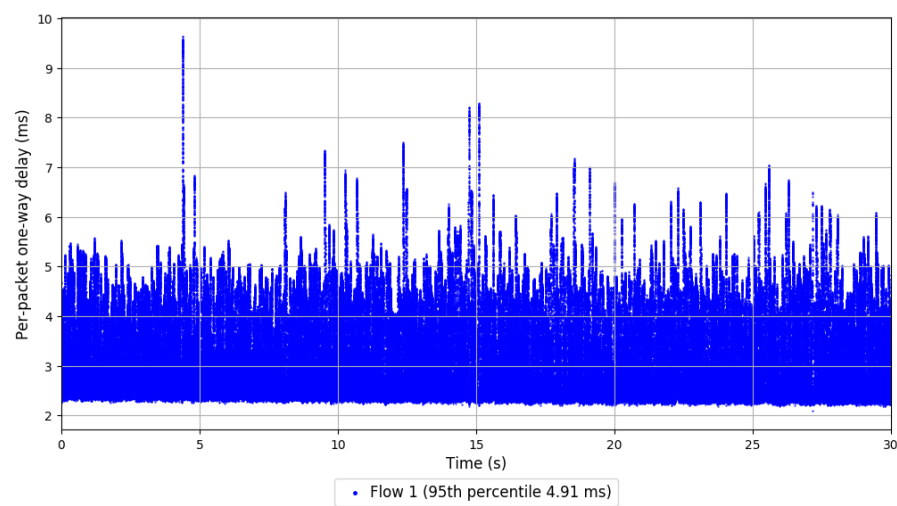
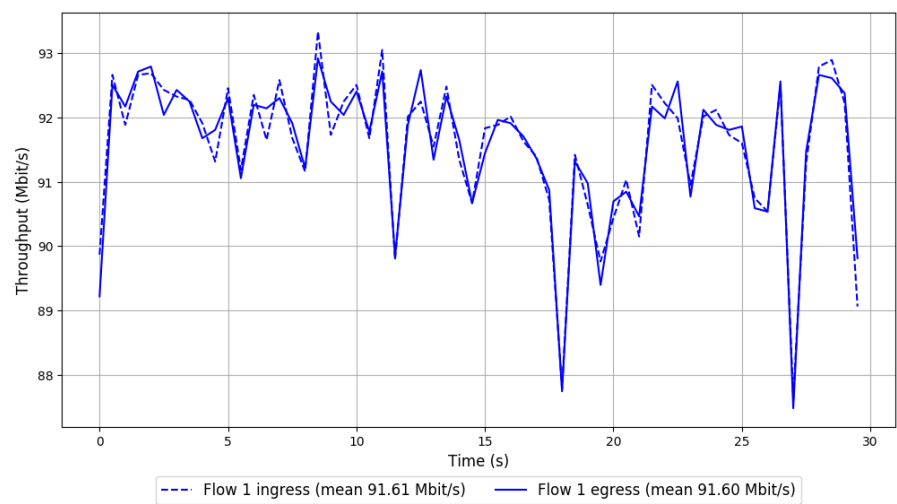


Run 3: Statistics of Copa

Start at: 2018-02-16 02:15:49
End at: 2018-02-16 02:16:19
Local clock offset: -7.689 ms
Remote clock offset: -0.958 ms

Below is generated by plot.py at 2018-02-16 05:37:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.60 Mbit/s
95th percentile per-packet one-way delay: 4.910 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.60 Mbit/s
95th percentile per-packet one-way delay: 4.910 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-02-16 02:36:34

End at: 2018-02-16 02:37:04

Local clock offset: -5.529 ms

Remote clock offset: 0.842 ms

Below is generated by plot.py at 2018-02-16 05:37:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.71 Mbit/s

95th percentile per-packet one-way delay: 4.837 ms

Loss rate: 0.00%

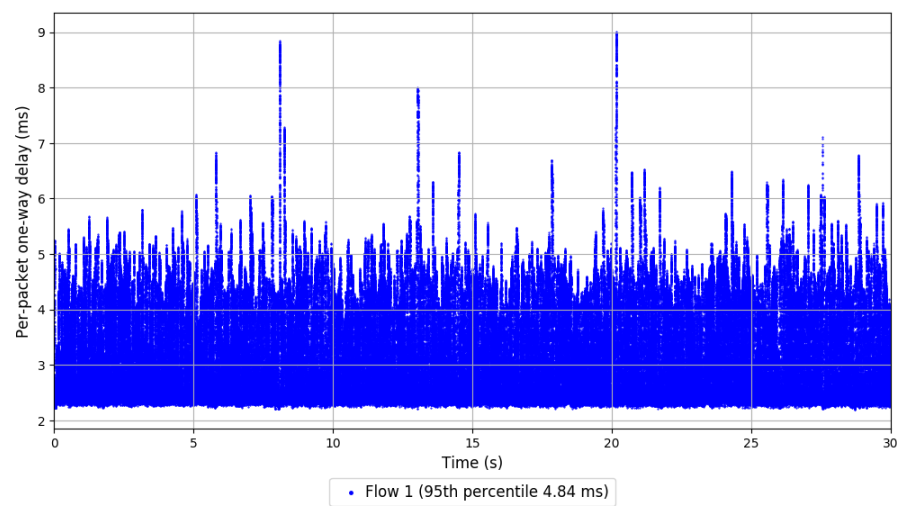
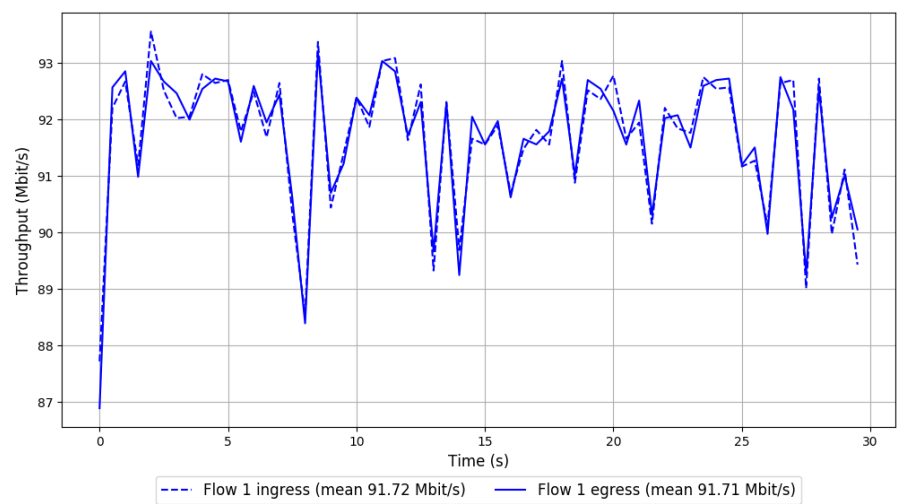
-- Flow 1:

Average throughput: 91.71 Mbit/s

95th percentile per-packet one-way delay: 4.837 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link

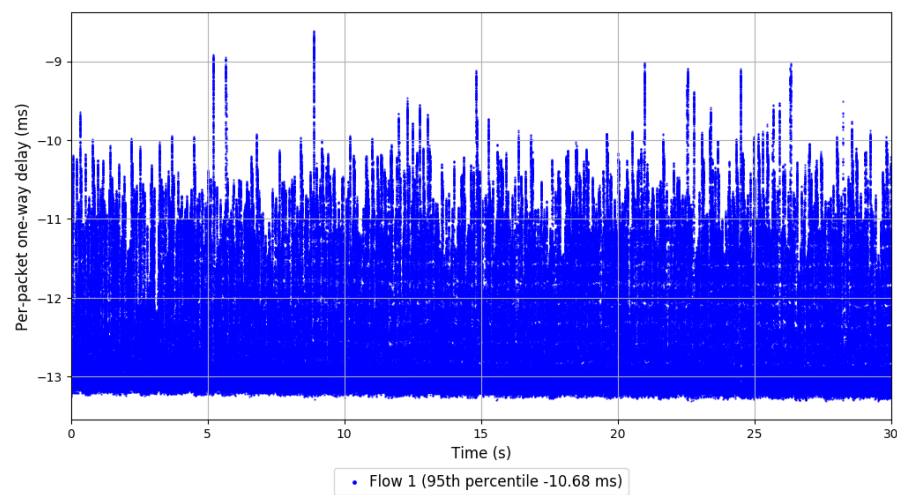
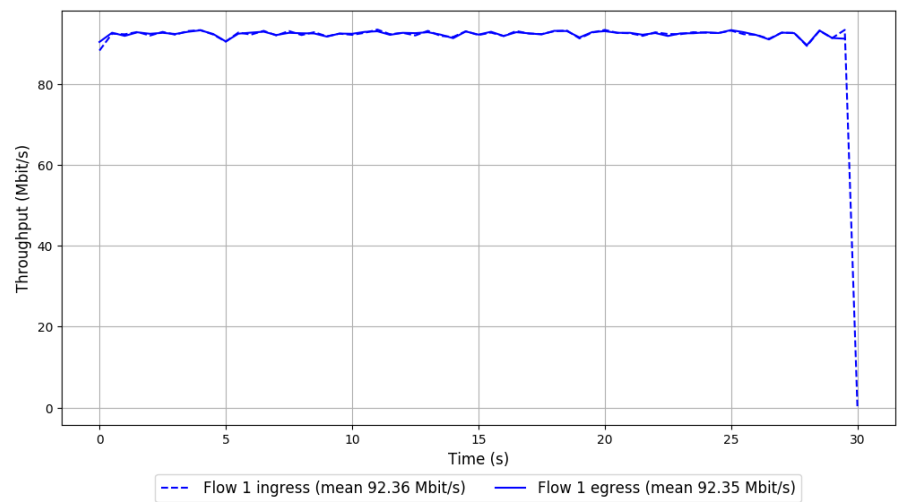


Run 5: Statistics of Copa

Start at: 2018-02-16 02:57:24
End at: 2018-02-16 02:57:54
Local clock offset: -5.704 ms
Remote clock offset: -13.42 ms

Below is generated by plot.py at 2018-02-16 05:38:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.35 Mbit/s
95th percentile per-packet one-way delay: -10.680 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.35 Mbit/s
95th percentile per-packet one-way delay: -10.680 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

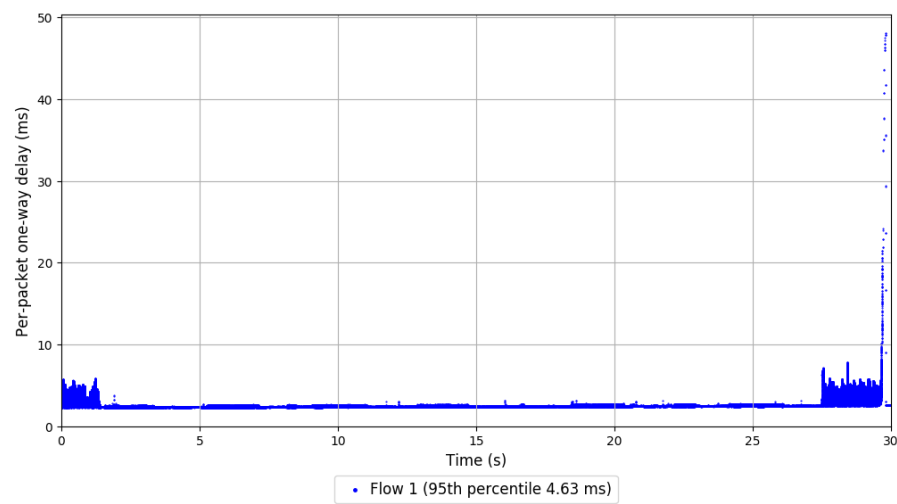
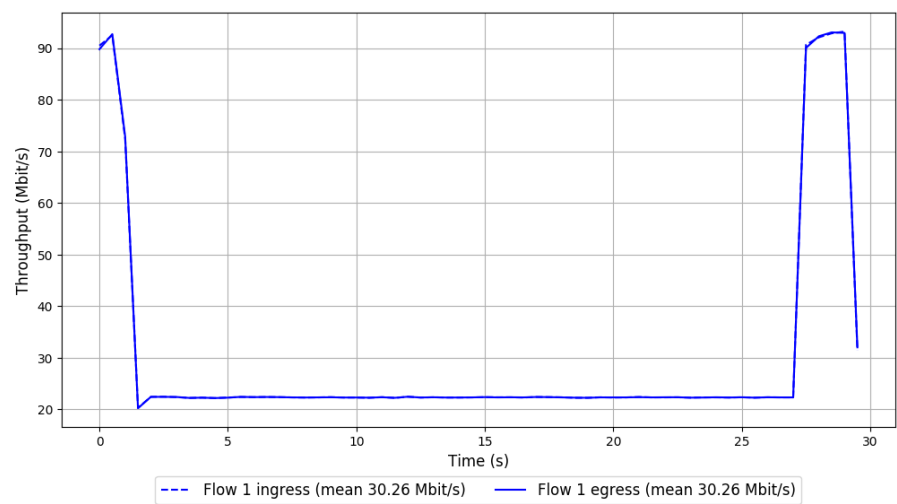


Run 6: Statistics of Copa

Start at: 2018-02-16 03:18:05
End at: 2018-02-16 03:18:35
Local clock offset: -6.235 ms
Remote clock offset: -2.885 ms

Below is generated by plot.py at 2018-02-16 05:38:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 30.26 Mbit/s
95th percentile per-packet one-way delay: 4.626 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 30.26 Mbit/s
95th percentile per-packet one-way delay: 4.626 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

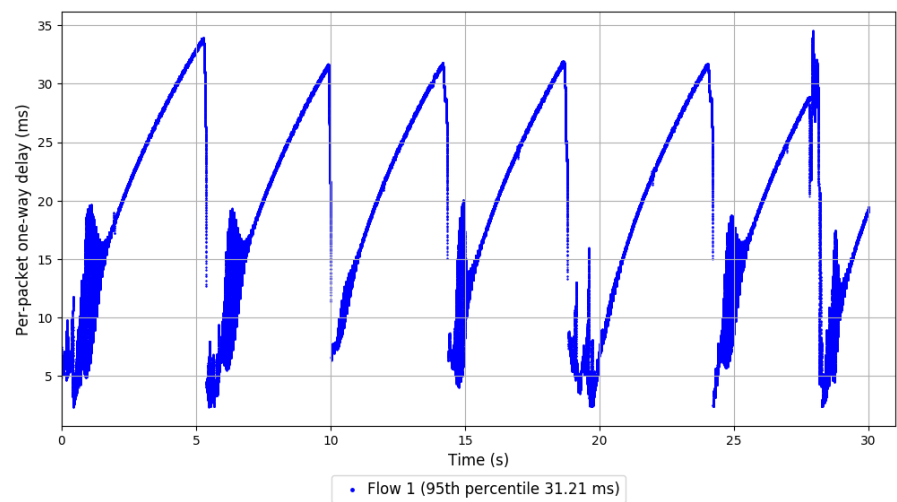
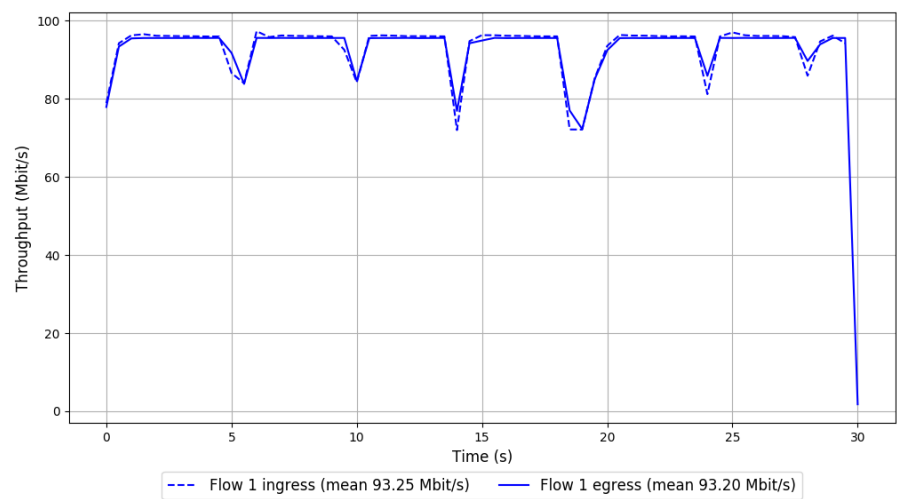


Run 7: Statistics of Copa

Start at: 2018-02-16 03:38:33
End at: 2018-02-16 03:39:03
Local clock offset: -5.875 ms
Remote clock offset: -7.417 ms

Below is generated by plot.py at 2018-02-16 05:38:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.20 Mbit/s
95th percentile per-packet one-way delay: 31.215 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.20 Mbit/s
95th percentile per-packet one-way delay: 31.215 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

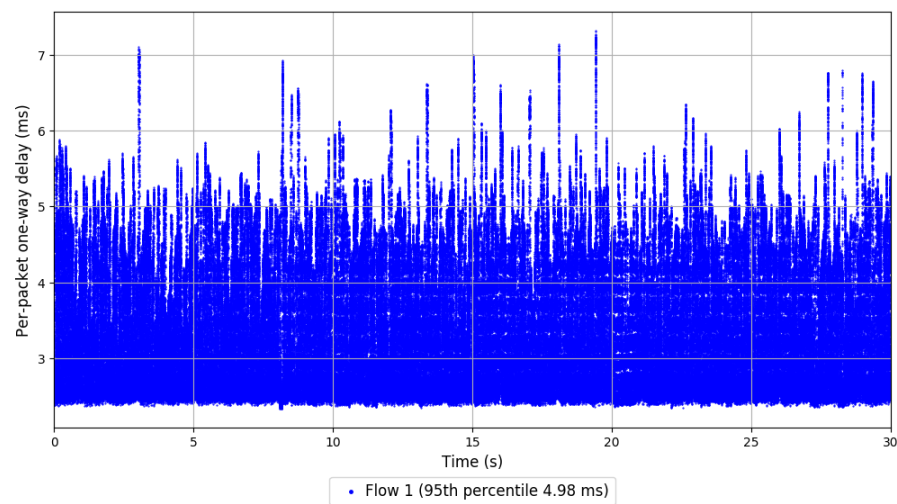
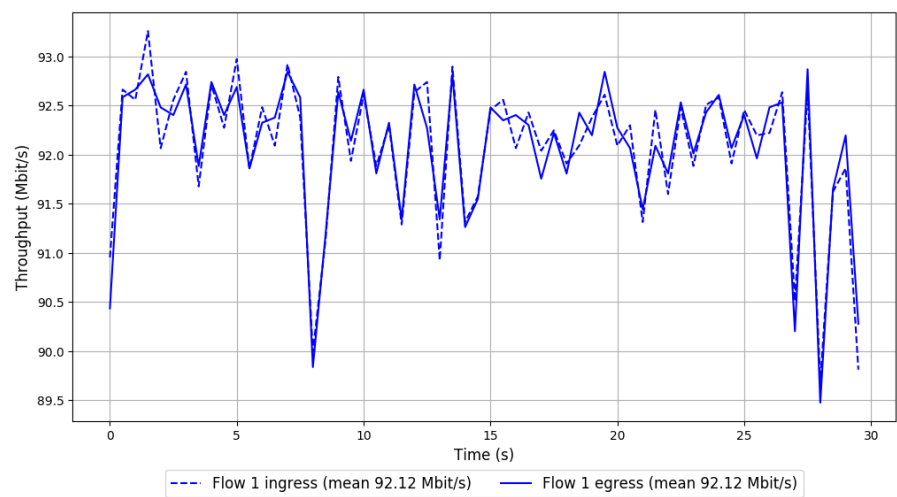


Run 8: Statistics of Copa

Start at: 2018-02-16 03:58:57
End at: 2018-02-16 03:59:27
Local clock offset: -5.699 ms
Remote clock offset: -6.437 ms

Below is generated by plot.py at 2018-02-16 05:38:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.12 Mbit/s
95th percentile per-packet one-way delay: 4.977 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.12 Mbit/s
95th percentile per-packet one-way delay: 4.977 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

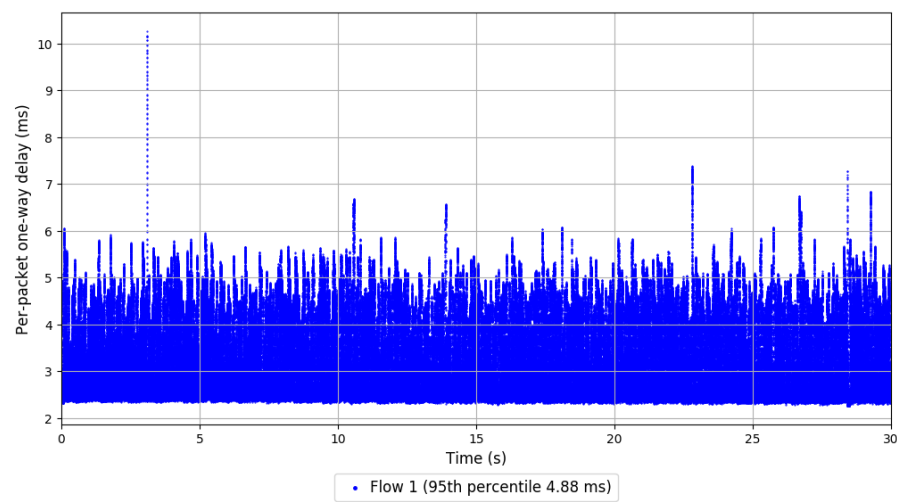
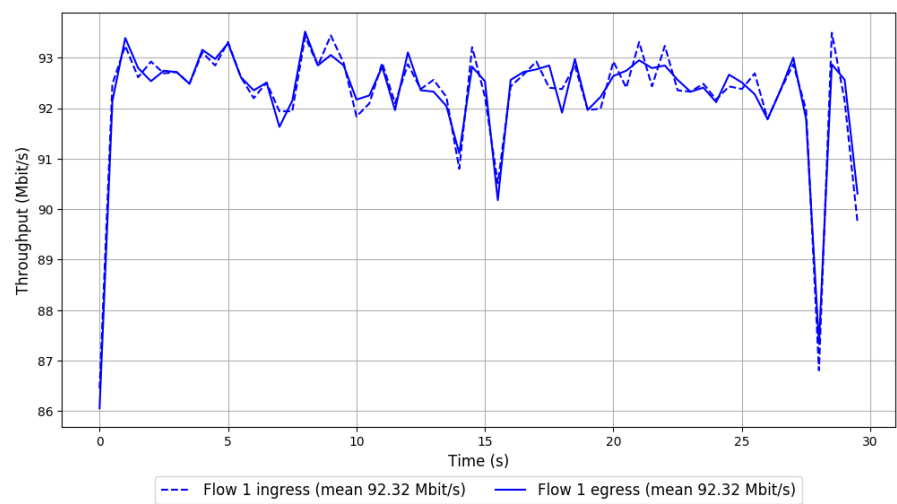


Run 9: Statistics of Copa

Start at: 2018-02-16 04:19:21
End at: 2018-02-16 04:19:51
Local clock offset: -2.838 ms
Remote clock offset: -6.708 ms

Below is generated by plot.py at 2018-02-16 05:38:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.32 Mbit/s
95th percentile per-packet one-way delay: 4.884 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.32 Mbit/s
95th percentile per-packet one-way delay: 4.884 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

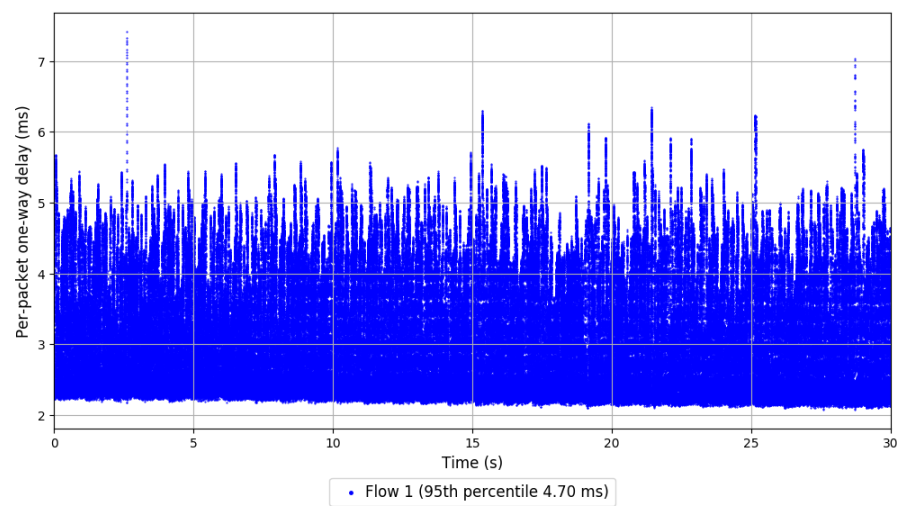
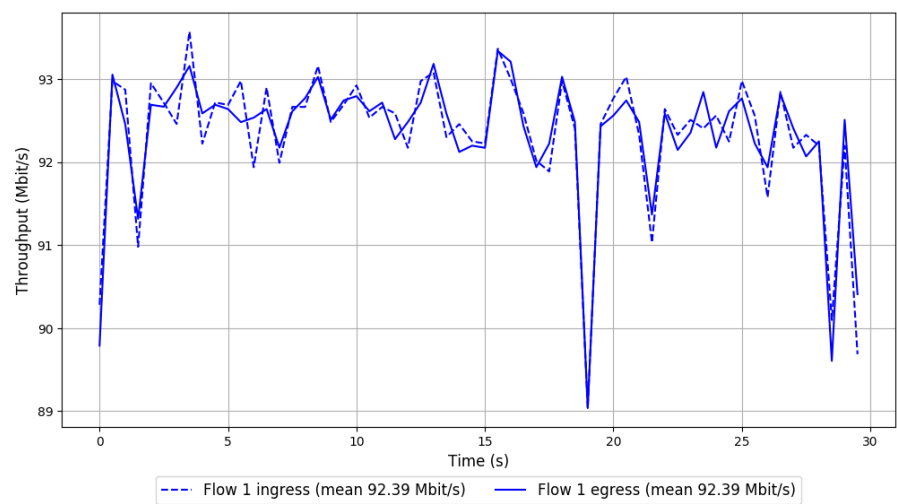


Run 10: Statistics of Copa

Start at: 2018-02-16 04:39:44
End at: 2018-02-16 04:40:14
Local clock offset: -3.772 ms
Remote clock offset: -5.711 ms

Below is generated by plot.py at 2018-02-16 05:38:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.39 Mbit/s
95th percentile per-packet one-way delay: 4.701 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.39 Mbit/s
95th percentile per-packet one-way delay: 4.701 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

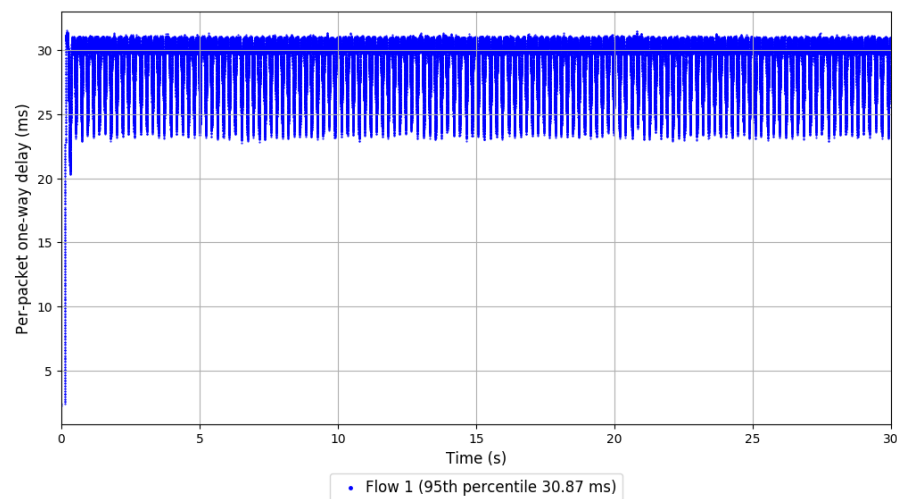
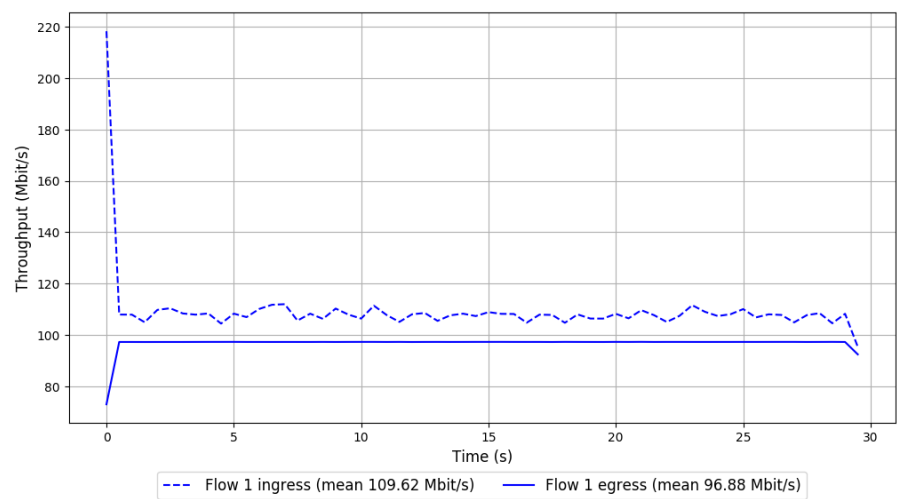


Run 1: Statistics of FillP

Start at: 2018-02-16 01:42:02
End at: 2018-02-16 01:42:32
Local clock offset: -7.674 ms
Remote clock offset: -5.172 ms

Below is generated by plot.py at 2018-02-16 05:38:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 30.868 ms
Loss rate: 11.54%
-- Flow 1:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 30.868 ms
Loss rate: 11.54%

Run 1: Report of FillP — Data Link

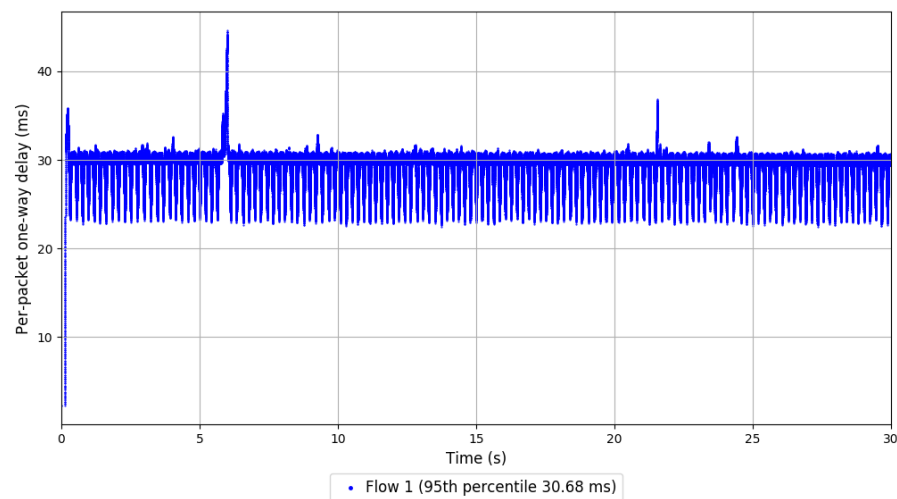
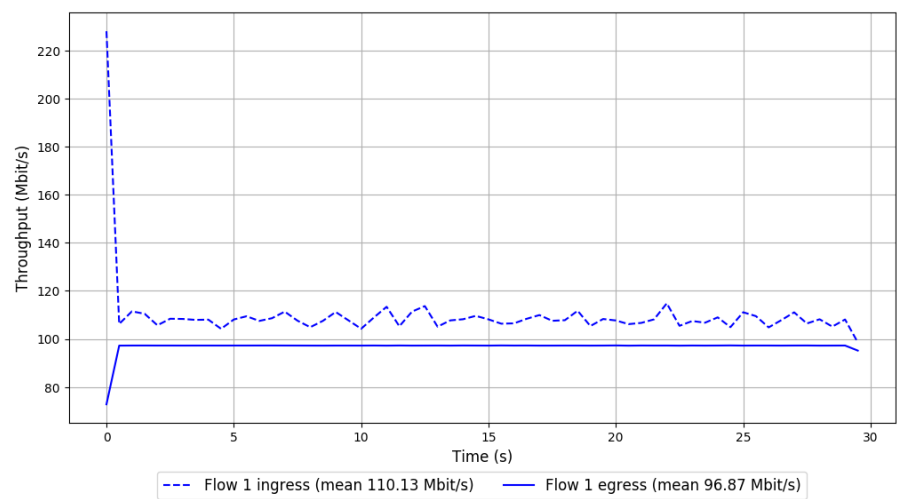


Run 2: Statistics of FillP

Start at: 2018-02-16 02:02:52
End at: 2018-02-16 02:03:22
Local clock offset: -7.459 ms
Remote clock offset: -4.504 ms

Below is generated by plot.py at 2018-02-16 05:39:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 30.677 ms
Loss rate: 11.96%
-- Flow 1:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 30.677 ms
Loss rate: 11.96%

Run 2: Report of FillP — Data Link

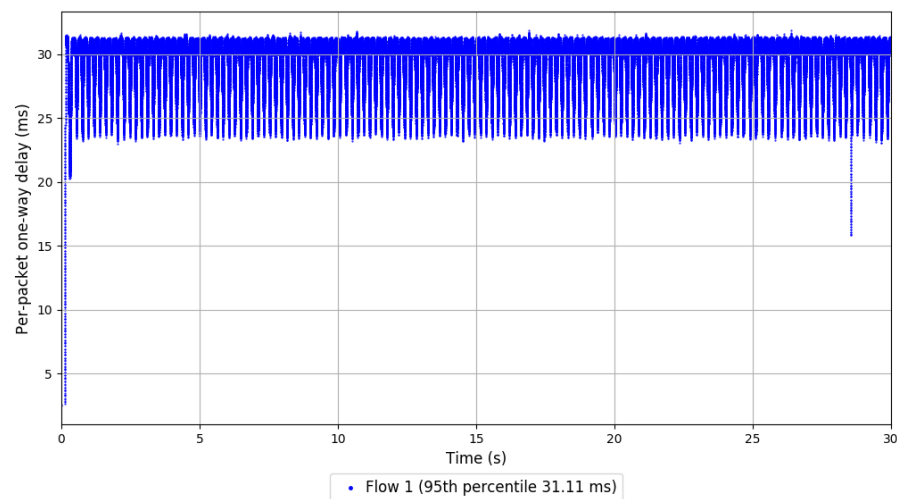
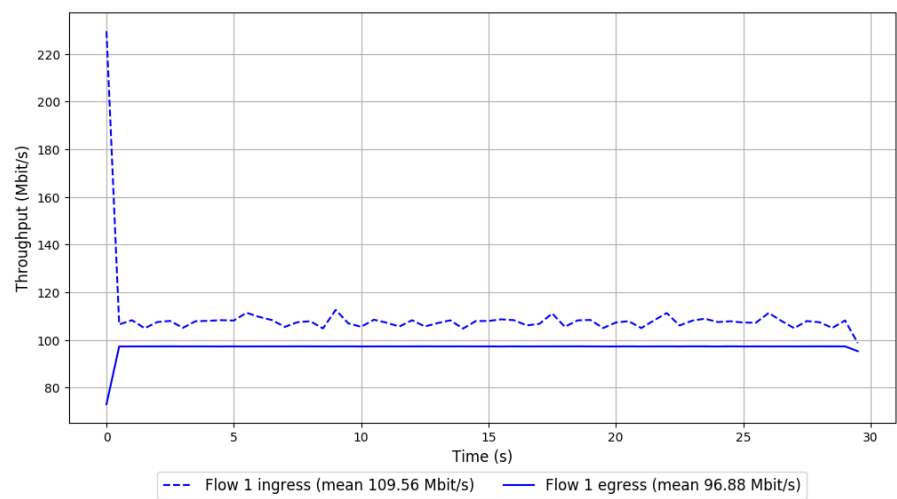


Run 3: Statistics of FillP

Start at: 2018-02-16 02:23:55
End at: 2018-02-16 02:24:25
Local clock offset: -6.662 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-02-16 05:39:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 31.109 ms
Loss rate: 11.49%
-- Flow 1:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 31.109 ms
Loss rate: 11.49%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-02-16 02:44:38

End at: 2018-02-16 02:45:08

Local clock offset: -5.342 ms

Remote clock offset: 1.338 ms

Below is generated by plot.py at 2018-02-16 05:39:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.90 Mbit/s

95th percentile per-packet one-way delay: 30.844 ms

Loss rate: 12.24%

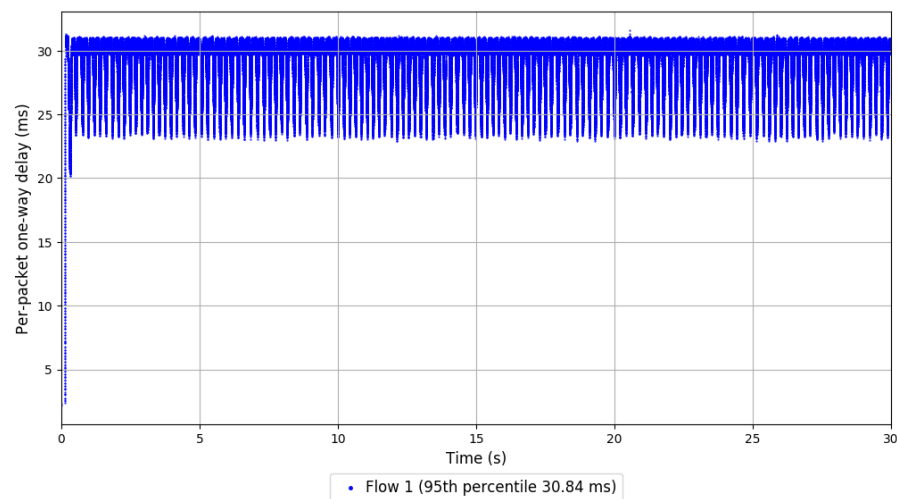
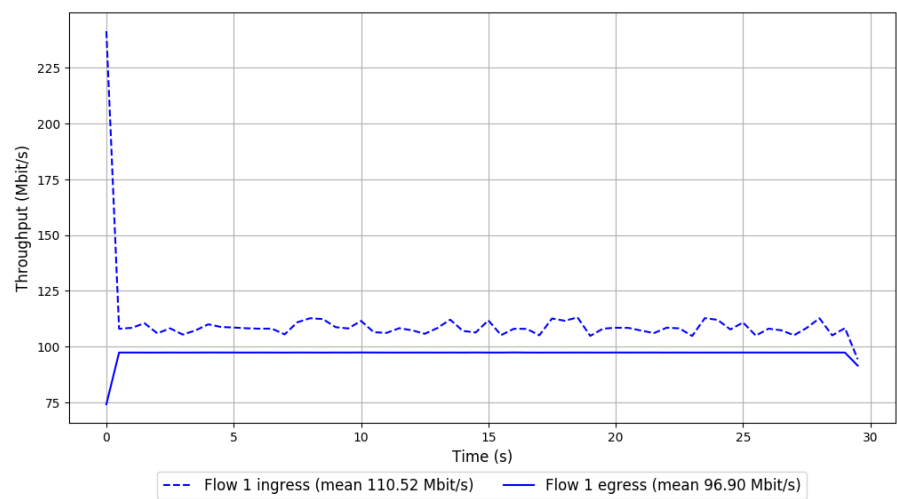
-- Flow 1:

Average throughput: 96.90 Mbit/s

95th percentile per-packet one-way delay: 30.844 ms

Loss rate: 12.24%

Run 4: Report of FillP — Data Link

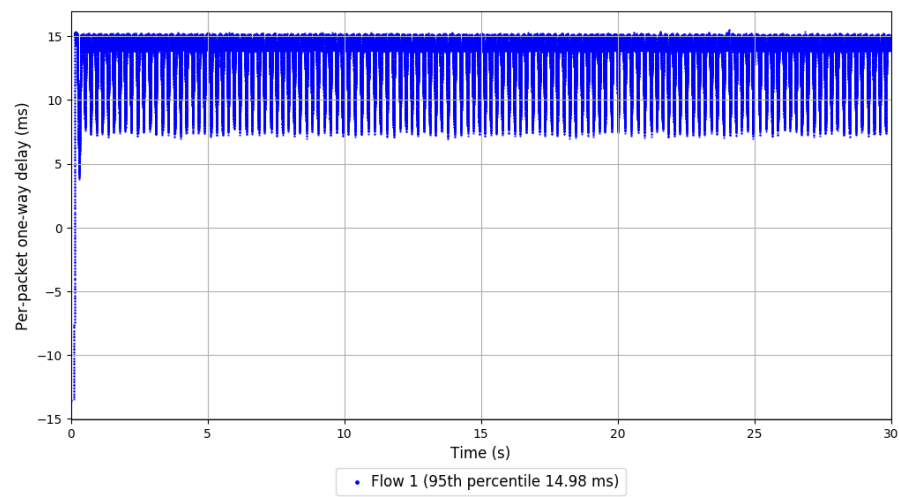
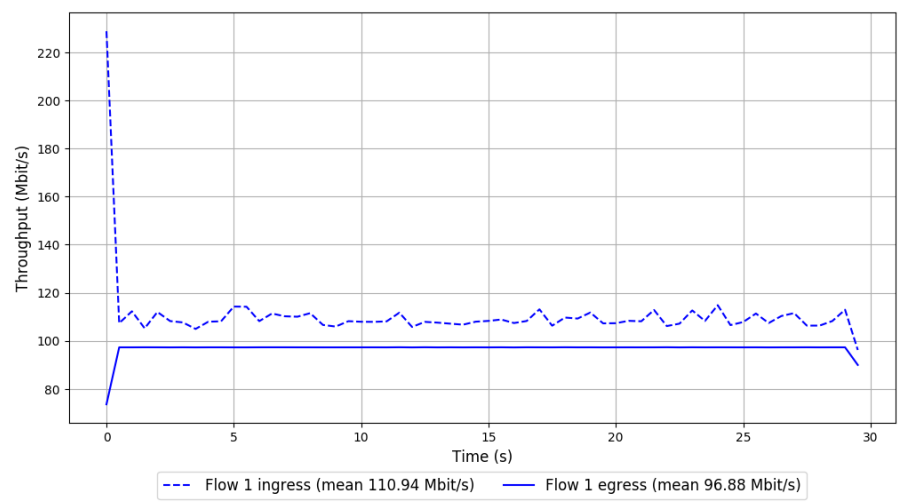


Run 5: Statistics of FillP

Start at: 2018-02-16 03:05:28
End at: 2018-02-16 03:05:58
Local clock offset: -6.038 ms
Remote clock offset: -13.282 ms

Below is generated by plot.py at 2018-02-16 05:39:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 14.984 ms
Loss rate: 12.59%
-- Flow 1:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 14.984 ms
Loss rate: 12.59%

Run 5: Report of FillP — Data Link

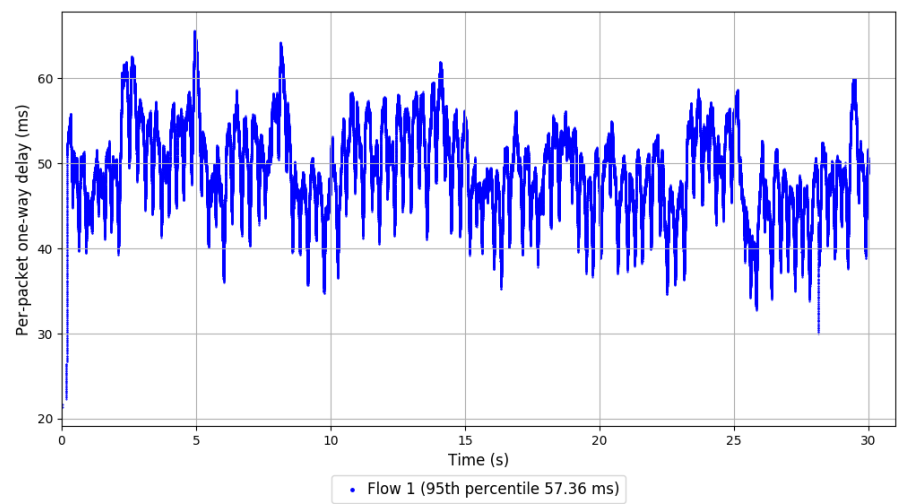
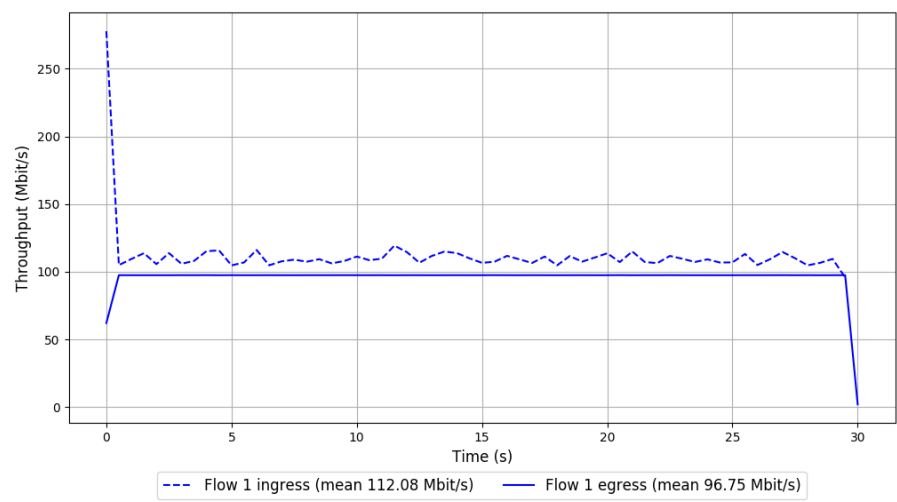


Run 6: Statistics of FillP

Start at: 2018-02-16 03:26:00
End at: 2018-02-16 03:26:30
Local clock offset: -6.272 ms
Remote clock offset: -5.361 ms

Below is generated by plot.py at 2018-02-16 05:39:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.75 Mbit/s
95th percentile per-packet one-way delay: 57.359 ms
Loss rate: 13.60%
-- Flow 1:
Average throughput: 96.75 Mbit/s
95th percentile per-packet one-way delay: 57.359 ms
Loss rate: 13.60%

Run 6: Report of FillP — Data Link

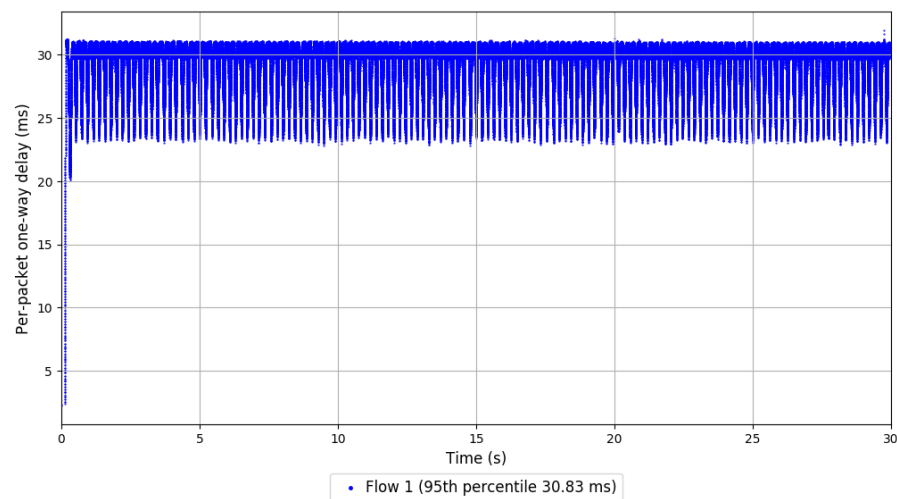
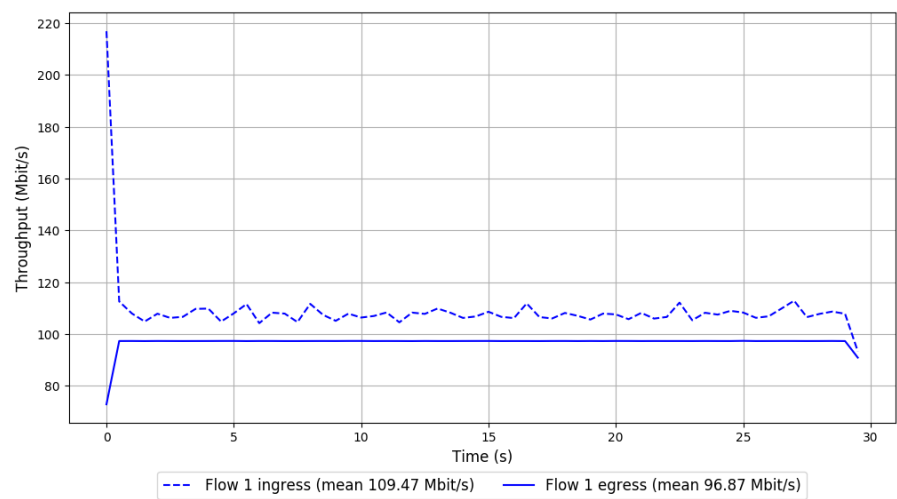


Run 7: Statistics of FillP

Start at: 2018-02-16 03:46:27
End at: 2018-02-16 03:46:57
Local clock offset: -5.752 ms
Remote clock offset: -7.396 ms

Below is generated by plot.py at 2018-02-16 05:39:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 30.827 ms
Loss rate: 11.42%
-- Flow 1:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 30.827 ms
Loss rate: 11.42%

Run 7: Report of FillP — Data Link

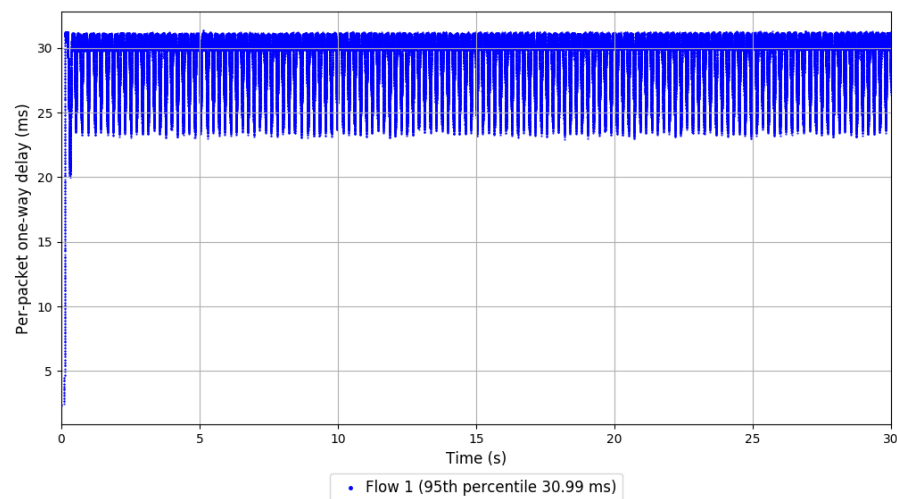
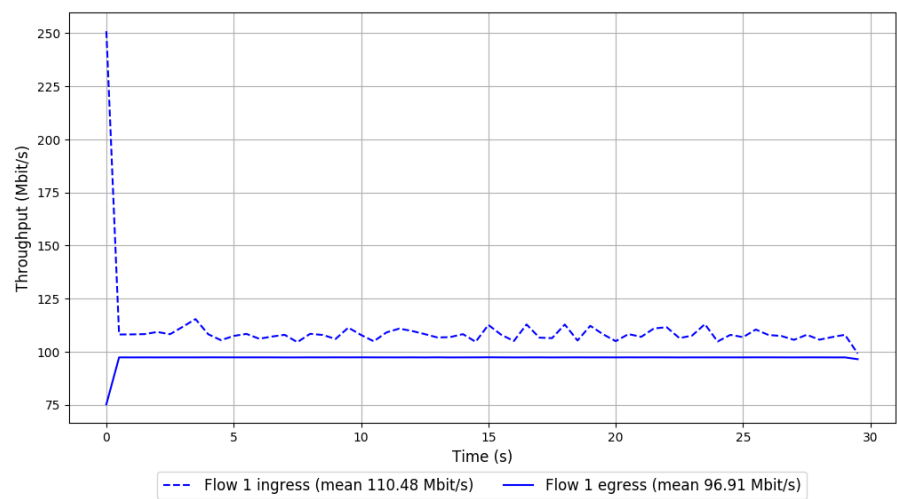


Run 8: Statistics of FillP

Start at: 2018-02-16 04:06:51
End at: 2018-02-16 04:07:21
Local clock offset: -4.138 ms
Remote clock offset: -6.522 ms

Below is generated by plot.py at 2018-02-16 05:40:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 30.987 ms
Loss rate: 12.20%
-- Flow 1:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 30.987 ms
Loss rate: 12.20%

Run 8: Report of FillP — Data Link

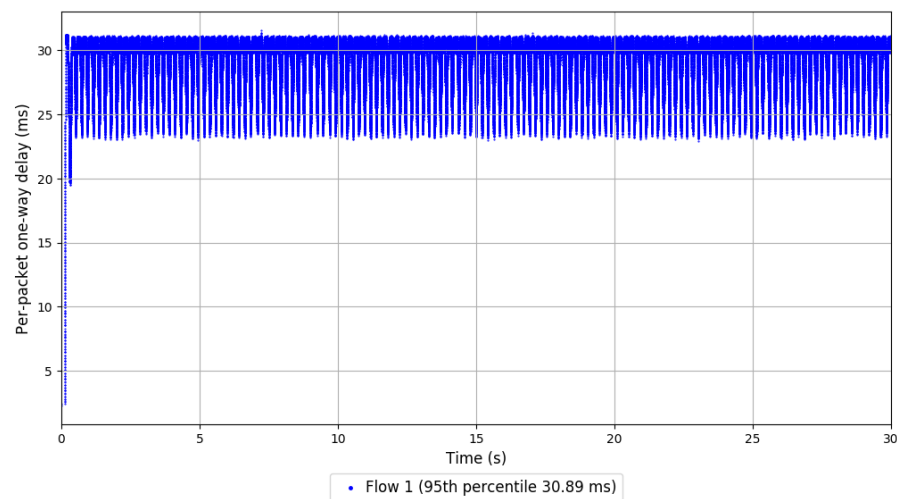
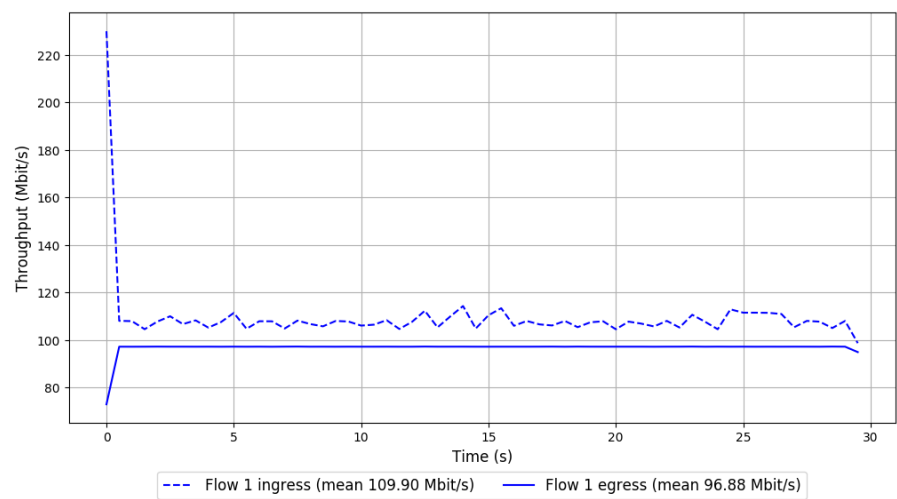


Run 9: Statistics of FillP

Start at: 2018-02-16 04:27:14
End at: 2018-02-16 04:27:44
Local clock offset: -2.339 ms
Remote clock offset: -5.948 ms

Below is generated by plot.py at 2018-02-16 05:40:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 30.891 ms
Loss rate: 11.77%
-- Flow 1:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 30.891 ms
Loss rate: 11.77%

Run 9: Report of FillP — Data Link

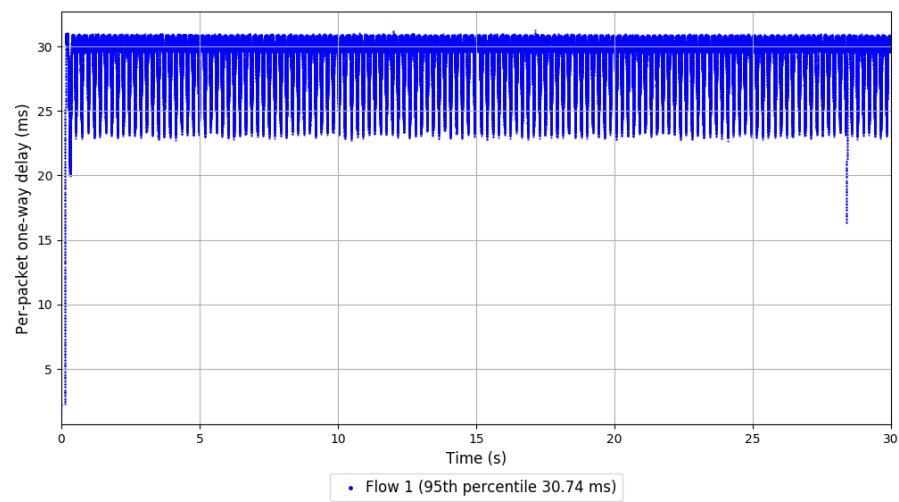
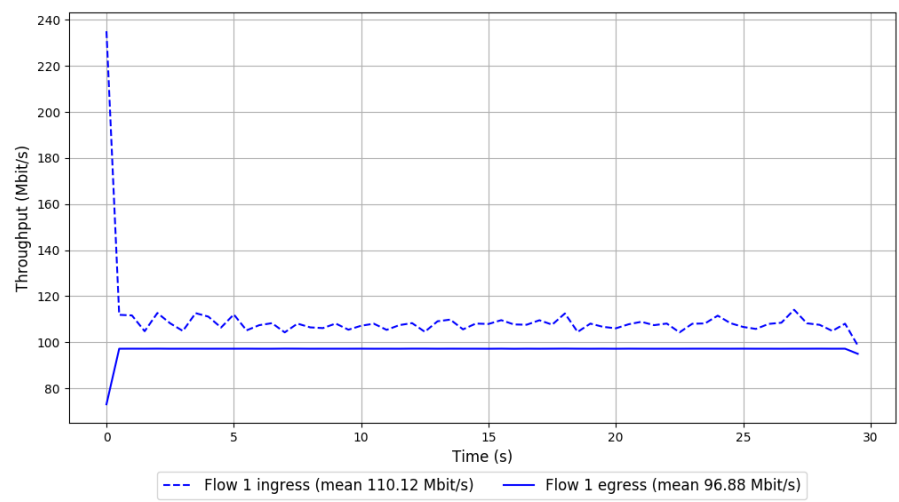


Run 10: Statistics of FillP

Start at: 2018-02-16 04:47:36
End at: 2018-02-16 04:48:06
Local clock offset: -5.031 ms
Remote clock offset: -5.797 ms

Below is generated by plot.py at 2018-02-16 05:40:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 30.738 ms
Loss rate: 11.94%
-- Flow 1:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 30.738 ms
Loss rate: 11.94%

Run 10: Report of FillP — Data Link

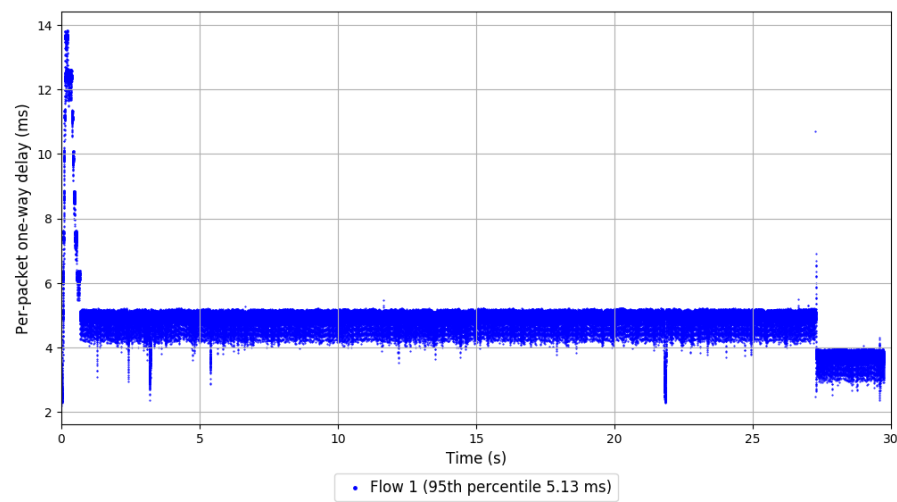
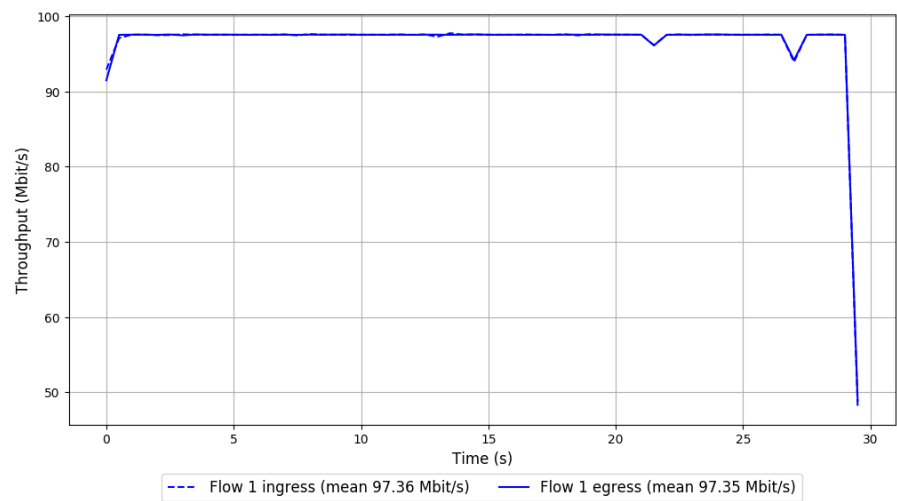


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-02-16 01:47:55
End at: 2018-02-16 01:48:25
Local clock offset: -7.539 ms
Remote clock offset: -5.102 ms

# Below is generated by plot.py at 2018-02-16 05:40:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.35 Mbit/s
95th percentile per-packet one-way delay: 5.126 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.35 Mbit/s
95th percentile per-packet one-way delay: 5.126 ms
Loss rate: 0.00%
```

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

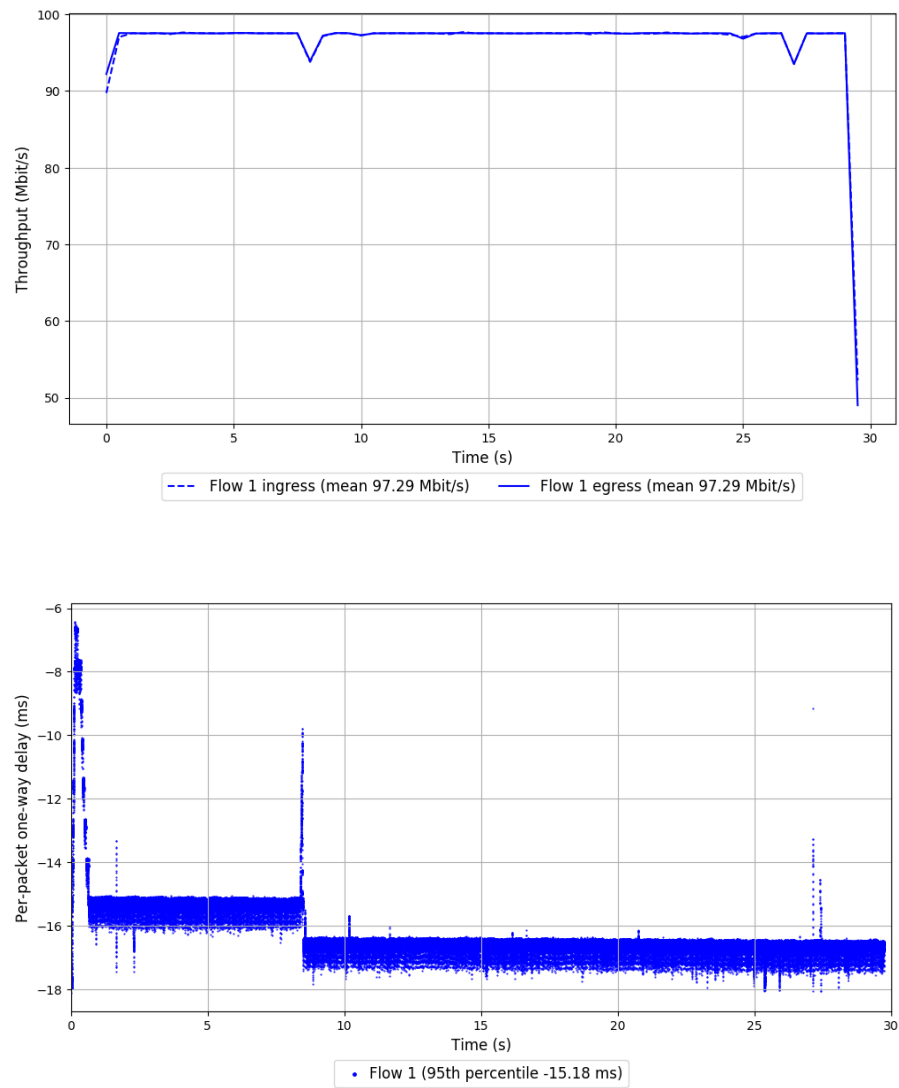


Run 2: Statistics of Indigo-1-32

Start at: 2018-02-16 02:08:49
End at: 2018-02-16 02:09:19
Local clock offset: -7.554 ms
Remote clock offset: -22.552 ms

Below is generated by plot.py at 2018-02-16 05:41:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.29 Mbit/s
95th percentile per-packet one-way delay: -15.178 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.29 Mbit/s
95th percentile per-packet one-way delay: -15.178 ms
Loss rate: 0.00%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-02-16 02:29:38

End at: 2018-02-16 02:30:08

Local clock offset: -5.951 ms

Remote clock offset: 0.361 ms

Below is generated by plot.py at 2018-02-16 05:41:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.90 Mbit/s

95th percentile per-packet one-way delay: 5.130 ms

Loss rate: 0.01%

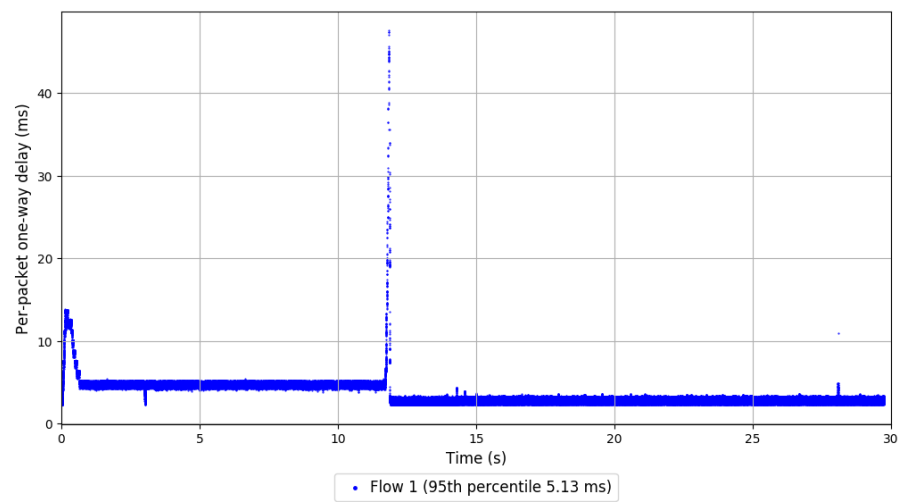
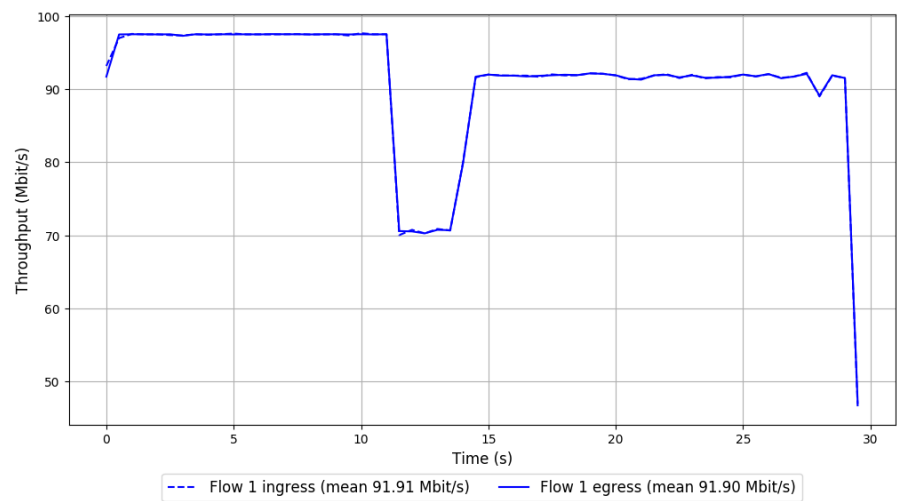
-- Flow 1:

Average throughput: 91.90 Mbit/s

95th percentile per-packet one-way delay: 5.130 ms

Loss rate: 0.01%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-02-16 02:50:26

End at: 2018-02-16 02:50:56

Local clock offset: -5.187 ms

Remote clock offset: -15.858 ms

Below is generated by plot.py at 2018-02-16 05:41:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.44 Mbit/s

95th percentile per-packet one-way delay: -12.453 ms

Loss rate: 0.00%

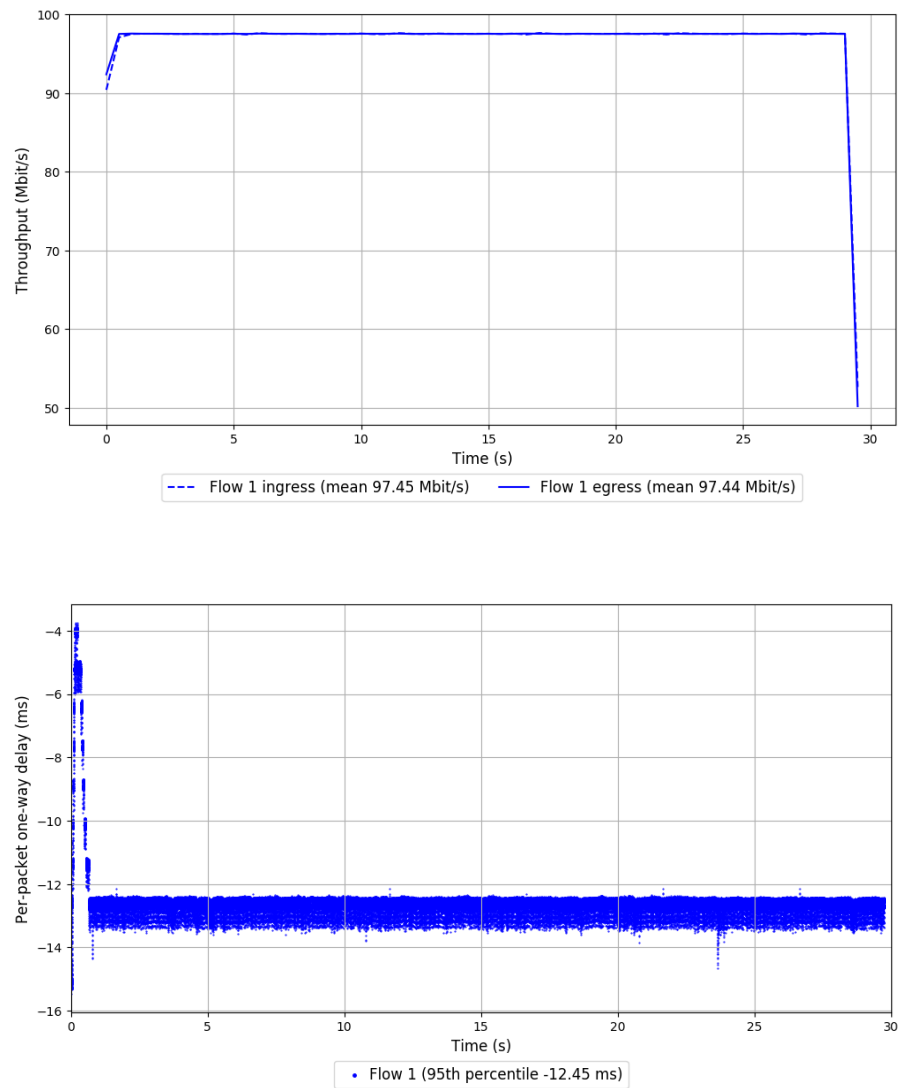
-- Flow 1:

Average throughput: 97.44 Mbit/s

95th percentile per-packet one-way delay: -12.453 ms

Loss rate: 0.00%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-02-16 03:11:10

End at: 2018-02-16 03:11:40

Local clock offset: -6.119 ms

Remote clock offset: 1.579 ms

Below is generated by plot.py at 2018-02-16 05:41:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.36 Mbit/s

95th percentile per-packet one-way delay: 5.538 ms

Loss rate: 0.00%

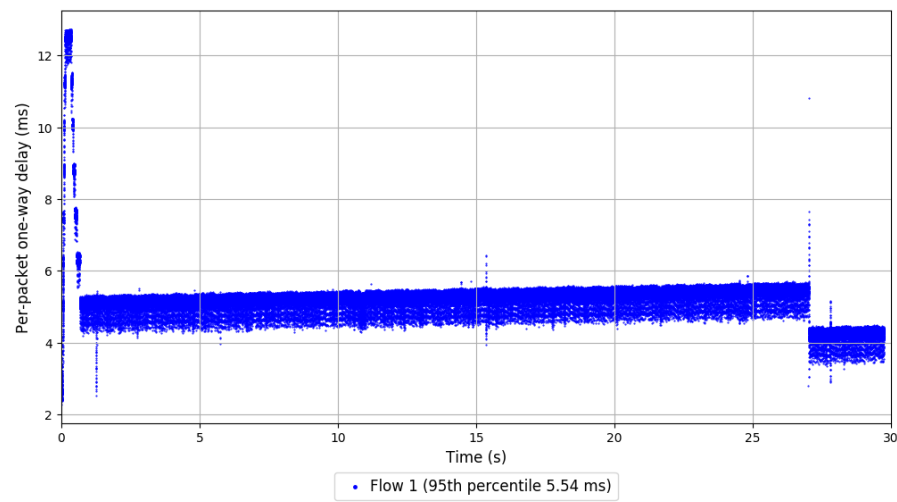
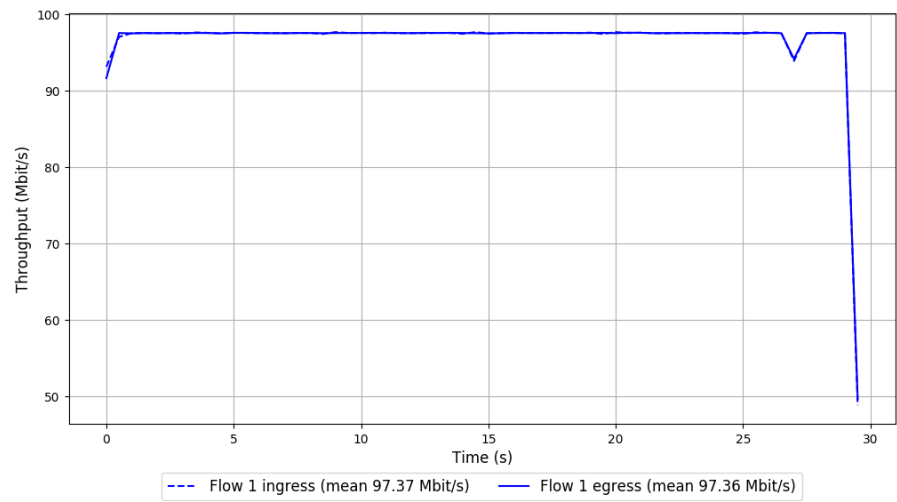
-- Flow 1:

Average throughput: 97.36 Mbit/s

95th percentile per-packet one-way delay: 5.538 ms

Loss rate: 0.00%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-02-16 03:31:43

End at: 2018-02-16 03:32:13

Local clock offset: -6.058 ms

Remote clock offset: -6.438 ms

Below is generated by plot.py at 2018-02-16 05:41:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.39 Mbit/s

95th percentile per-packet one-way delay: 5.286 ms

Loss rate: 0.00%

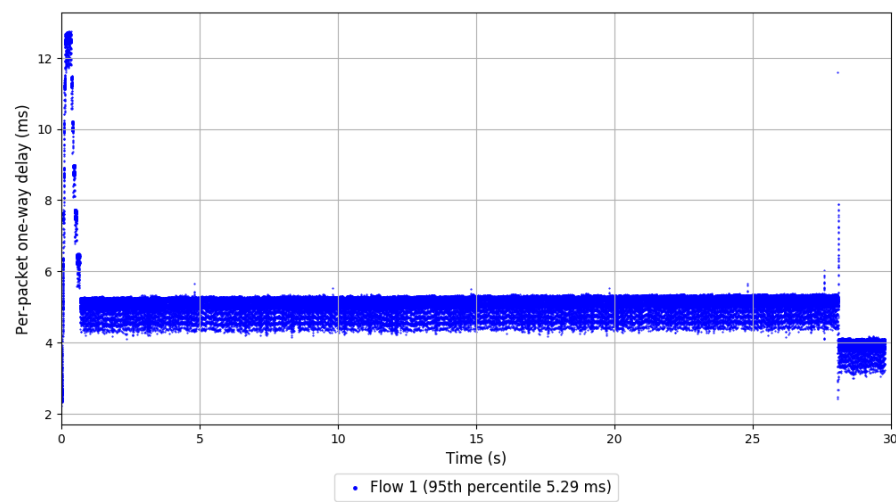
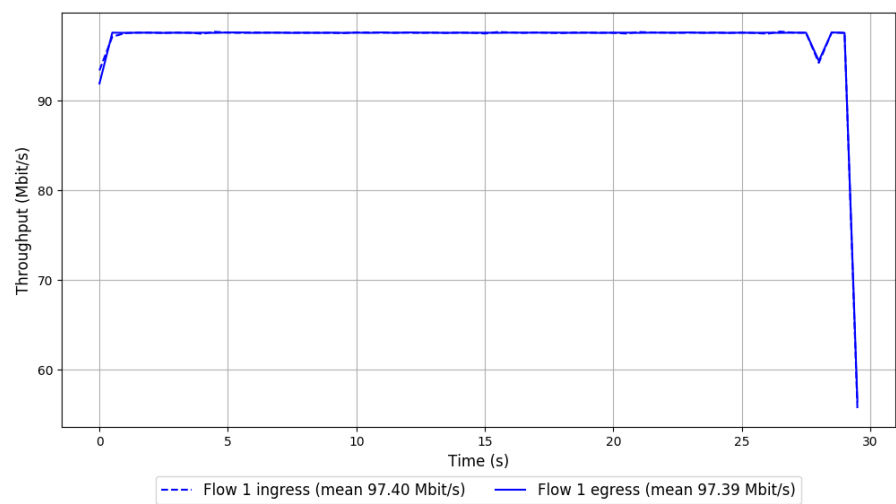
-- Flow 1:

Average throughput: 97.39 Mbit/s

95th percentile per-packet one-way delay: 5.286 ms

Loss rate: 0.00%

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

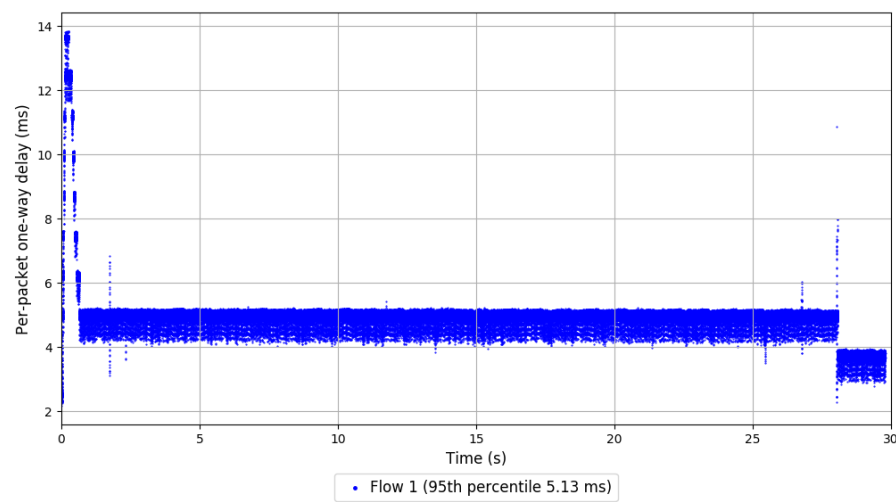
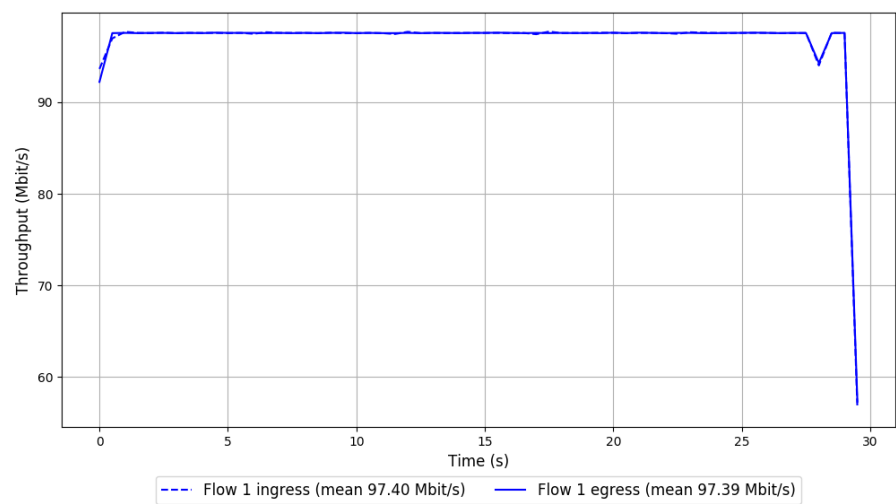


Run 7: Statistics of Indigo-1-32

Start at: 2018-02-16 03:52:08
End at: 2018-02-16 03:52:38
Local clock offset: -5.703 ms
Remote clock offset: -6.706 ms

Below is generated by plot.py at 2018-02-16 05:41:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 5.127 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 5.127 ms
Loss rate: 0.00%

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

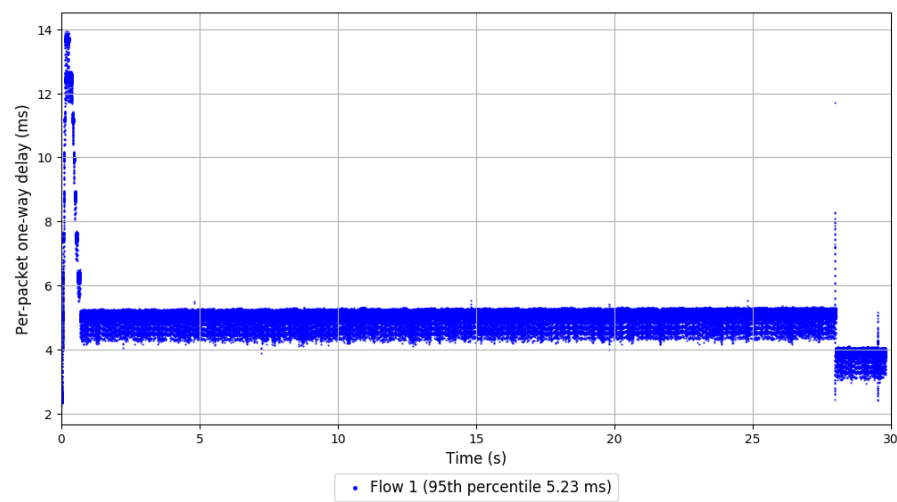
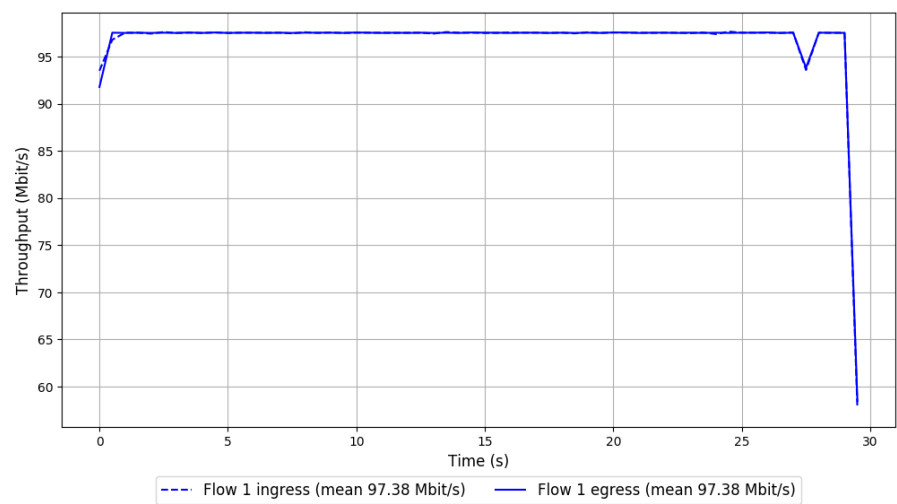


Run 8: Statistics of Indigo-1-32

Start at: 2018-02-16 04:12:32
End at: 2018-02-16 04:13:02
Local clock offset: -3.382 ms
Remote clock offset: -6.695 ms

Below is generated by plot.py at 2018-02-16 05:42:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 5.231 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 5.231 ms
Loss rate: 0.00%

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

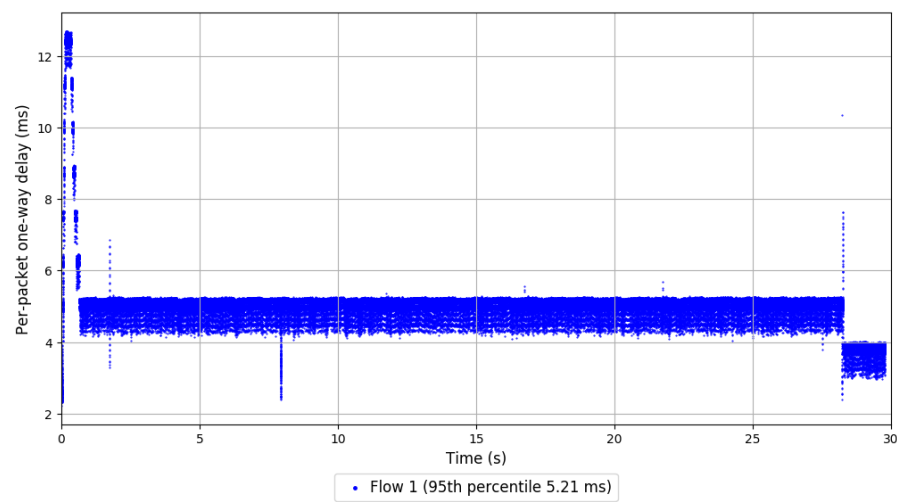
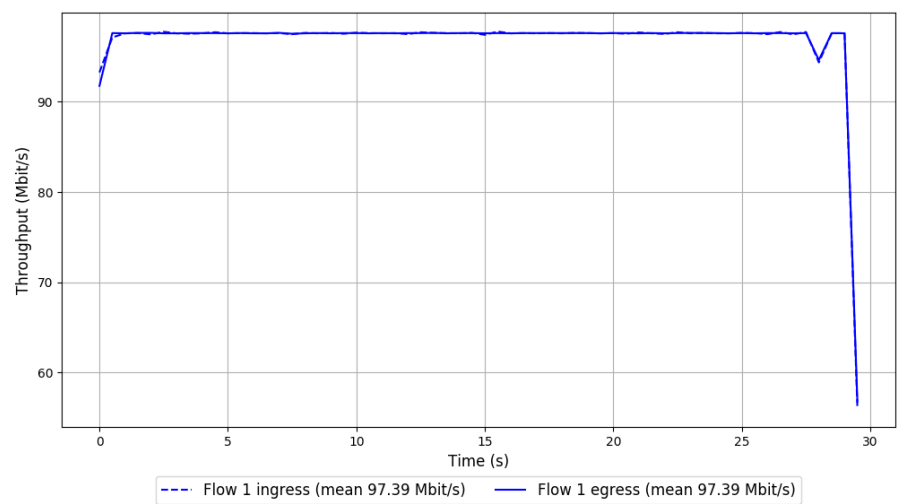


Run 9: Statistics of Indigo-1-32

Start at: 2018-02-16 04:32:55
End at: 2018-02-16 04:33:25
Local clock offset: -2.152 ms
Remote clock offset: -5.827 ms

Below is generated by plot.py at 2018-02-16 05:42:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 5.209 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 5.209 ms
Loss rate: 0.00%

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

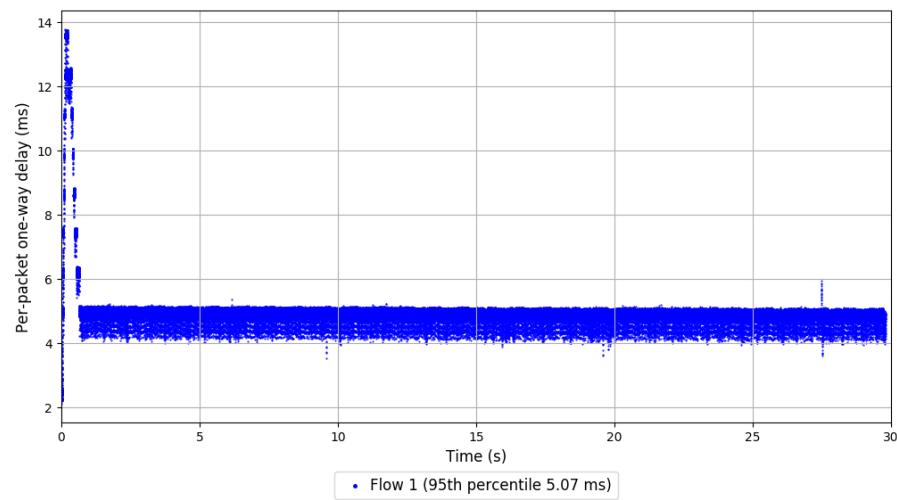
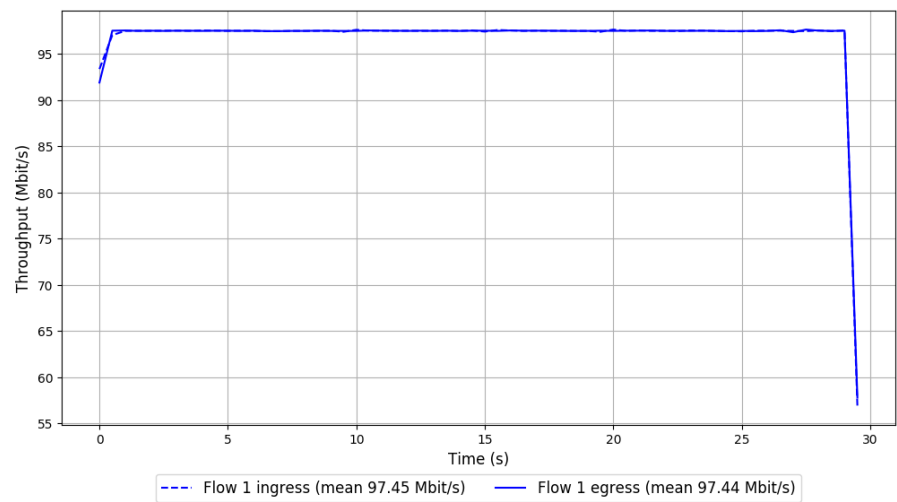


Run 10: Statistics of Indigo-1-32

Start at: 2018-02-16 04:53:17
End at: 2018-02-16 04:53:47
Local clock offset: -5.556 ms
Remote clock offset: -5.748 ms

Below is generated by plot.py at 2018-02-16 05:42:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 5.065 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 5.065 ms
Loss rate: 0.00%

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

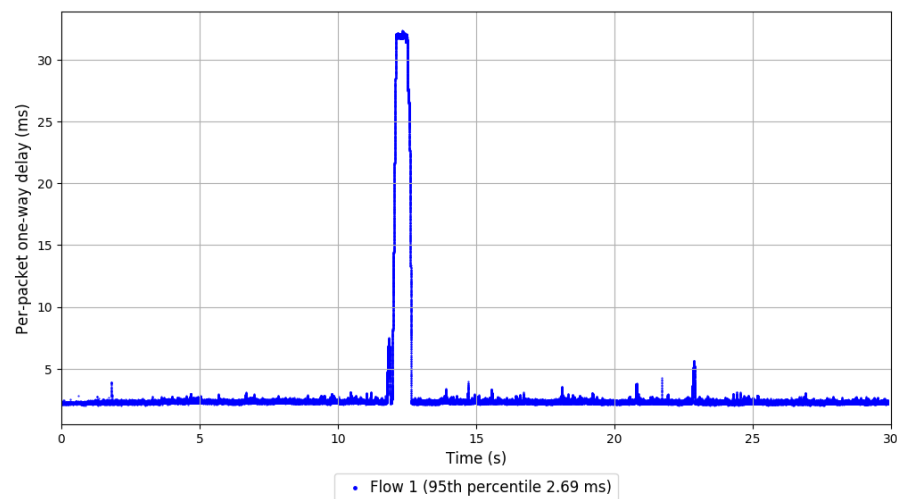
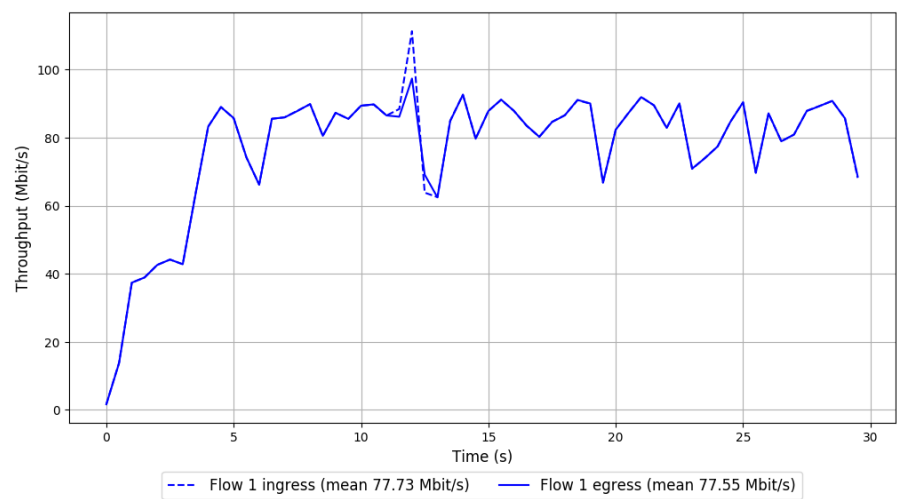


Run 1: Statistics of Vivace-latency

Start at: 2018-02-16 01:31:32
End at: 2018-02-16 01:32:02
Local clock offset: -6.56 ms
Remote clock offset: -5.617 ms

Below is generated by plot.py at 2018-02-16 05:42:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.55 Mbit/s
95th percentile per-packet one-way delay: 2.690 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 77.55 Mbit/s
95th percentile per-packet one-way delay: 2.690 ms
Loss rate: 0.24%

Run 1: Report of Vivace-latency — Data Link

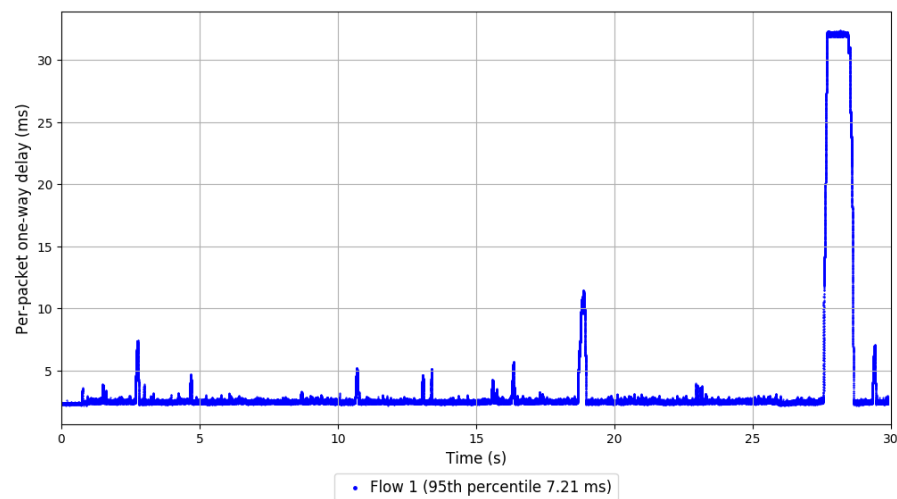
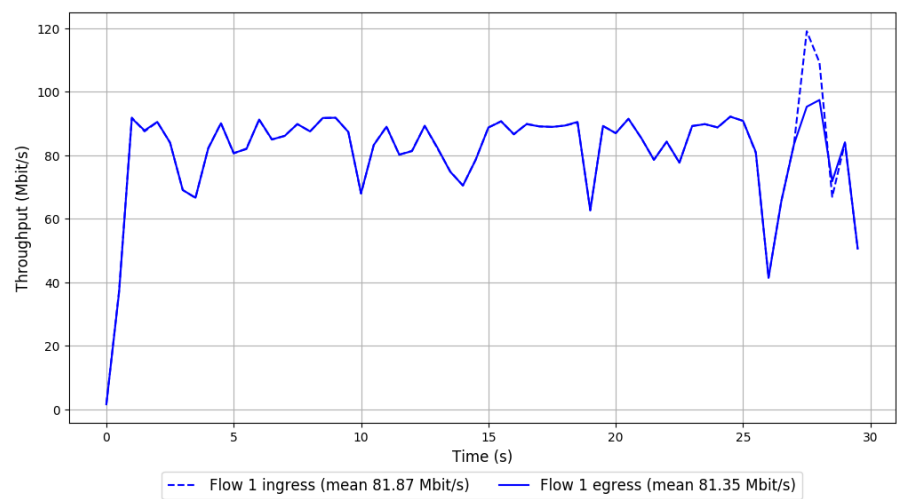


Run 2: Statistics of Vivace-latency

Start at: 2018-02-16 01:52:31
End at: 2018-02-16 01:53:01
Local clock offset: -7.42 ms
Remote clock offset: -5.046 ms

Below is generated by plot.py at 2018-02-16 05:42:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.35 Mbit/s
95th percentile per-packet one-way delay: 7.205 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 81.35 Mbit/s
95th percentile per-packet one-way delay: 7.205 ms
Loss rate: 0.63%

Run 2: Report of Vivace-latency — Data Link

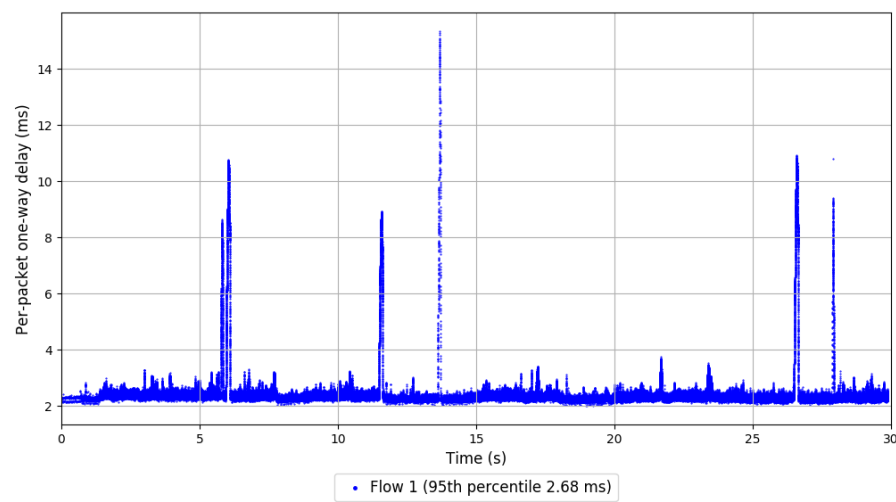
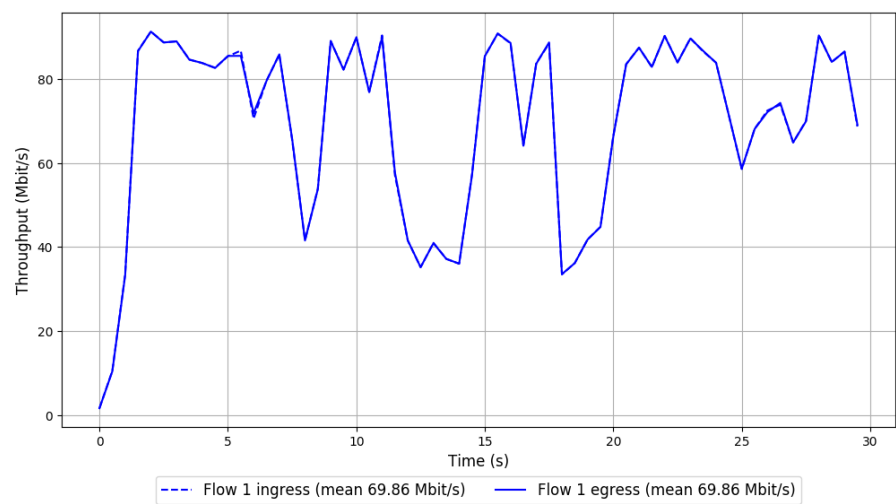


Run 3: Statistics of Vivace-latency

Start at: 2018-02-16 02:13:25
End at: 2018-02-16 02:13:55
Local clock offset: -7.662 ms
Remote clock offset: -1.412 ms

Below is generated by plot.py at 2018-02-16 05:42:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.86 Mbit/s
95th percentile per-packet one-way delay: 2.681 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.86 Mbit/s
95th percentile per-packet one-way delay: 2.681 ms
Loss rate: 0.00%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-02-16 02:34:14

End at: 2018-02-16 02:34:44

Local clock offset: -5.661 ms

Remote clock offset: 0.742 ms

Below is generated by plot.py at 2018-02-16 05:43:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.23 Mbit/s

95th percentile per-packet one-way delay: 2.659 ms

Loss rate: 0.00%

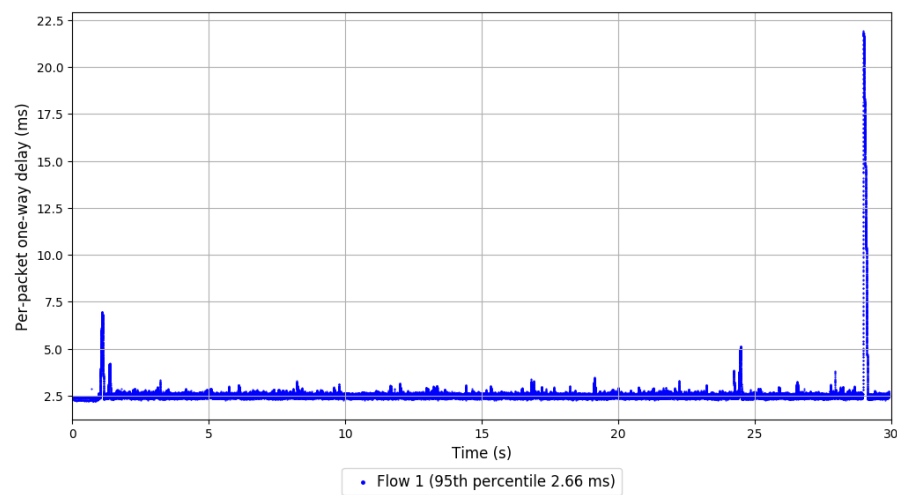
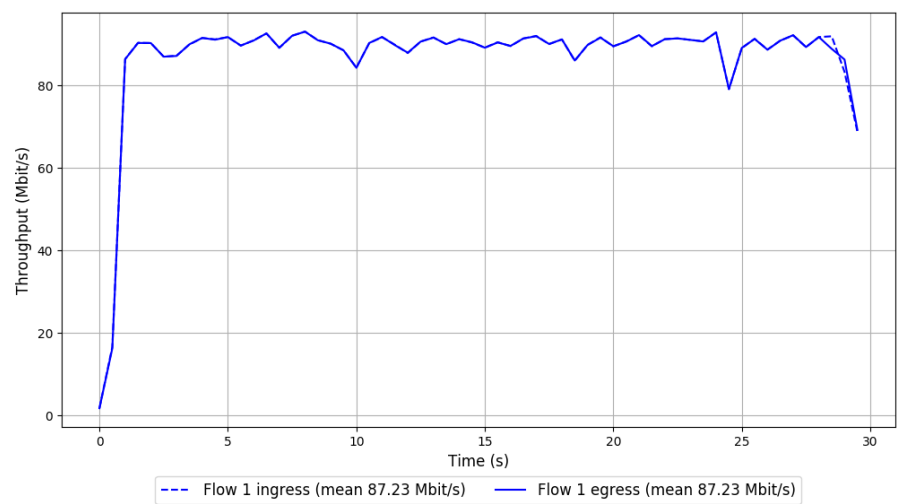
-- Flow 1:

Average throughput: 87.23 Mbit/s

95th percentile per-packet one-way delay: 2.659 ms

Loss rate: 0.00%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-02-16 02:55:01

End at: 2018-02-16 02:55:31

Local clock offset: -5.544 ms

Remote clock offset: 1.994 ms

Below is generated by plot.py at 2018-02-16 05:43:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.00 Mbit/s

95th percentile per-packet one-way delay: 2.617 ms

Loss rate: 0.00%

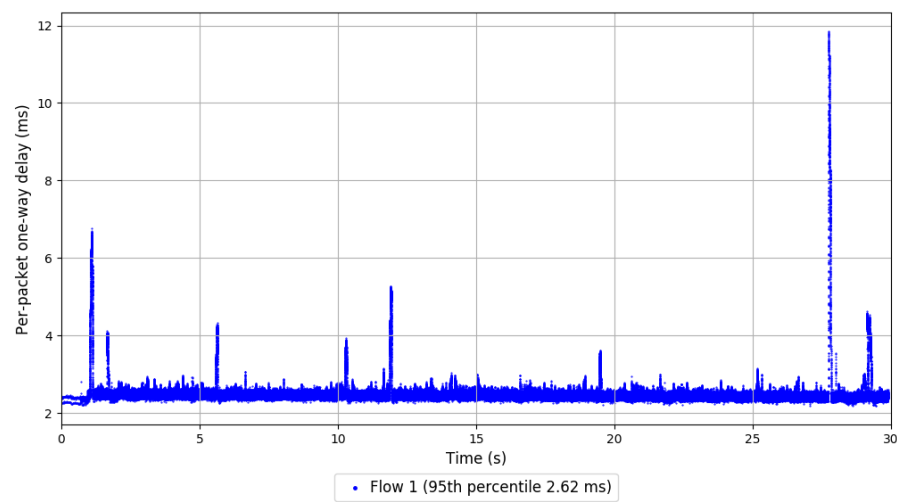
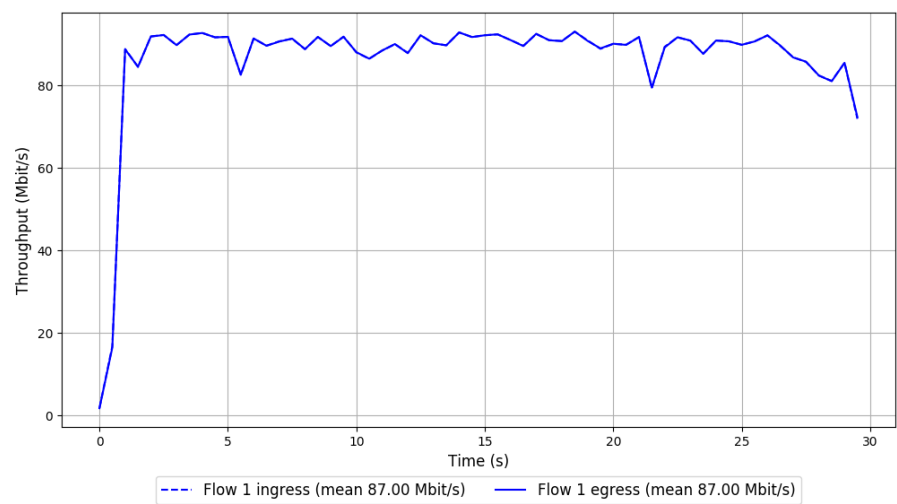
-- Flow 1:

Average throughput: 87.00 Mbit/s

95th percentile per-packet one-way delay: 2.617 ms

Loss rate: 0.00%

Run 5: Report of Vivace-latency — Data Link

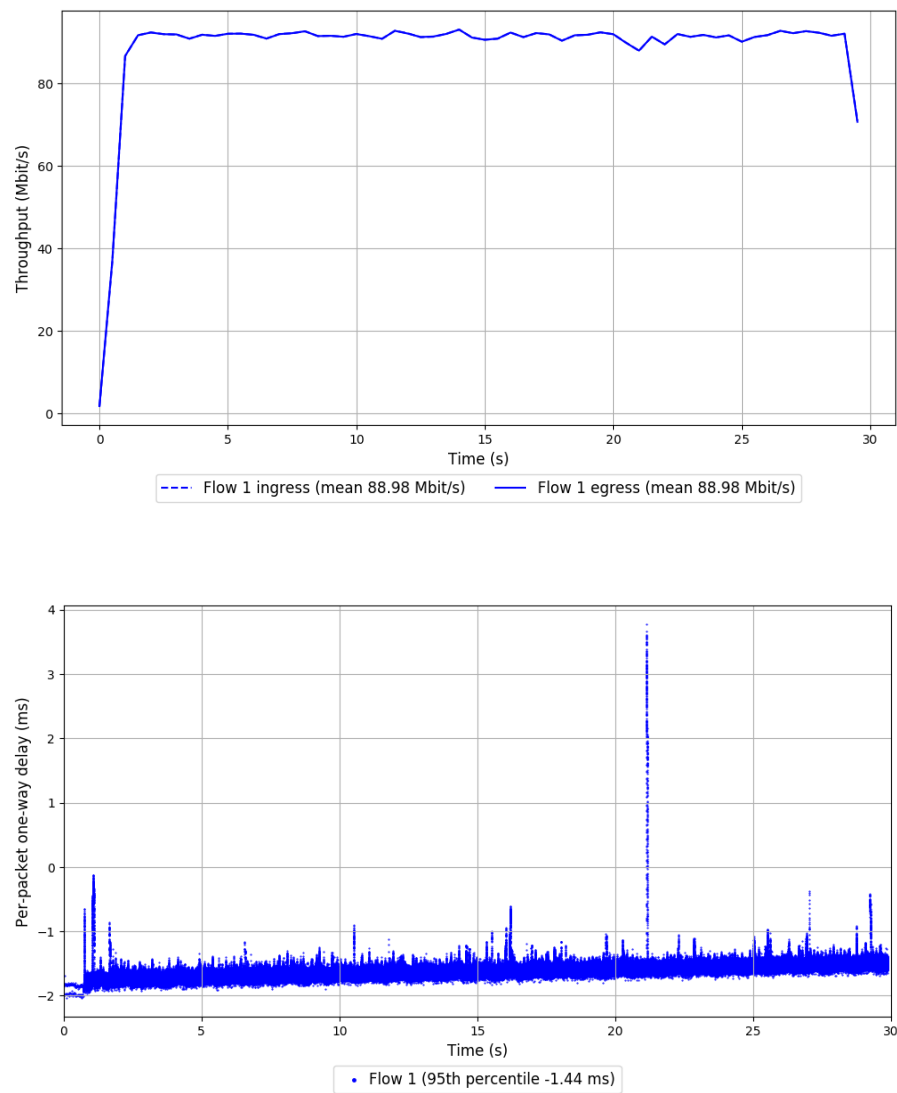


Run 6: Statistics of Vivace-latency

Start at: 2018-02-16 03:15:42
End at: 2018-02-16 03:16:12
Local clock offset: -6.217 ms
Remote clock offset: -5.933 ms

Below is generated by plot.py at 2018-02-16 05:43:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.98 Mbit/s
95th percentile per-packet one-way delay: -1.438 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.98 Mbit/s
95th percentile per-packet one-way delay: -1.438 ms
Loss rate: 0.00%

Run 6: Report of Vivace-latency — Data Link

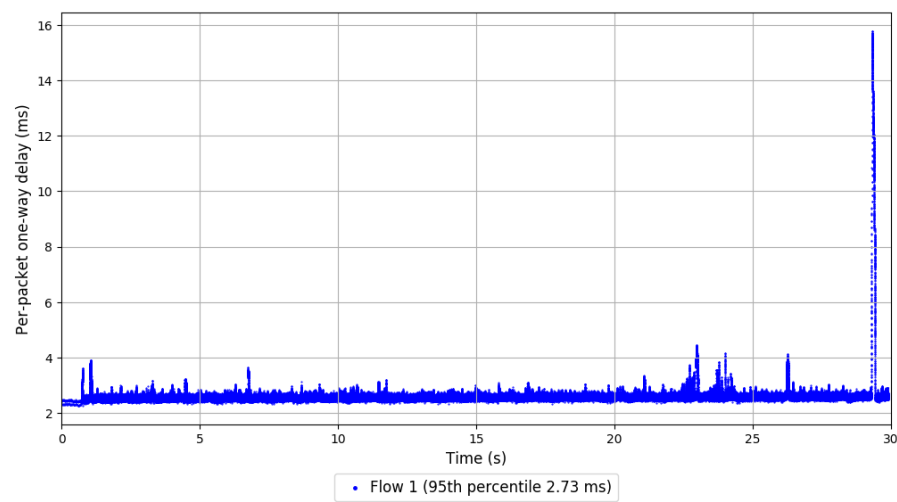
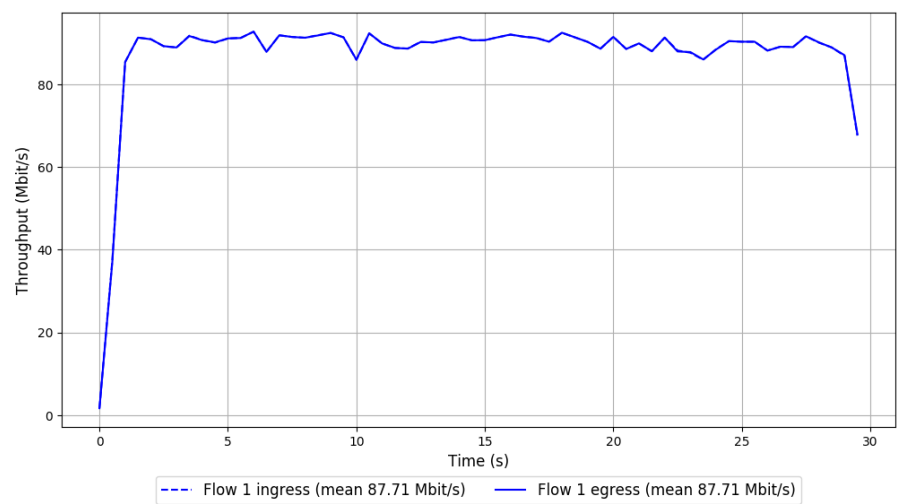


Run 7: Statistics of Vivace-latency

Start at: 2018-02-16 03:36:14
End at: 2018-02-16 03:36:44
Local clock offset: -5.928 ms
Remote clock offset: -7.069 ms

Below is generated by plot.py at 2018-02-16 05:43:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.71 Mbit/s
95th percentile per-packet one-way delay: 2.728 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.71 Mbit/s
95th percentile per-packet one-way delay: 2.728 ms
Loss rate: 0.00%

Run 7: Report of Vivace-latency — Data Link

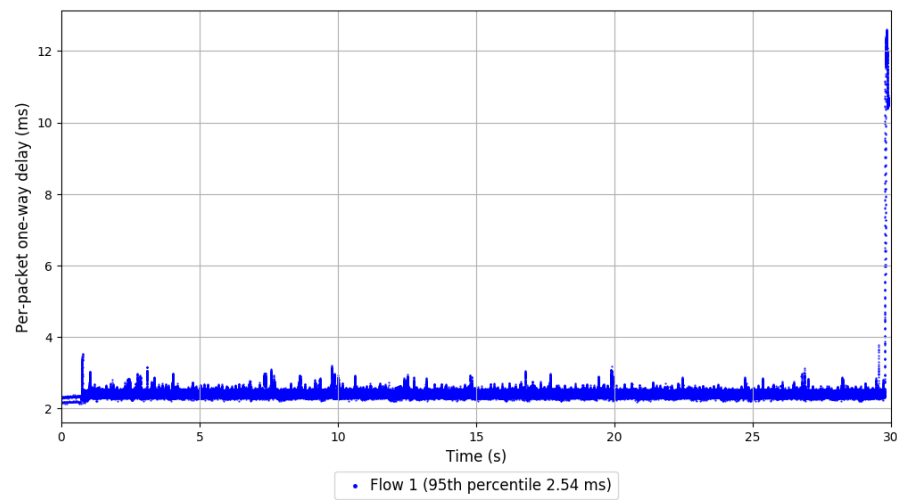
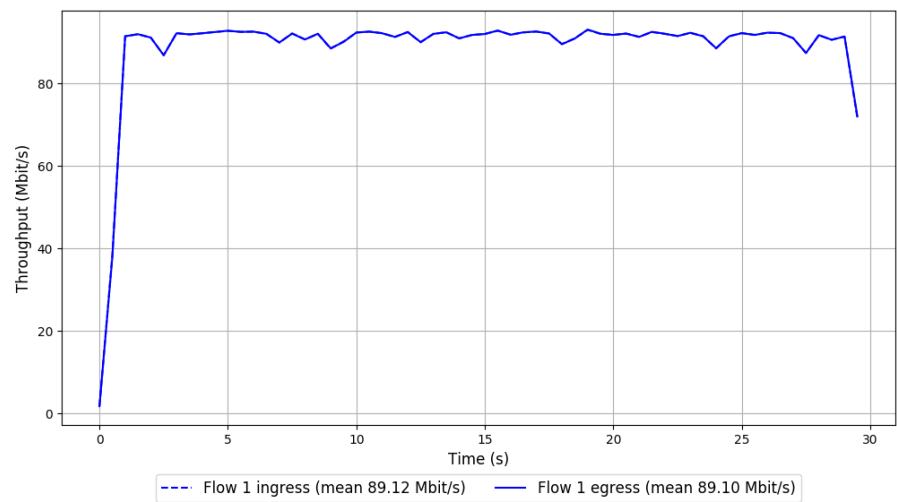


Run 8: Statistics of Vivace-latency

Start at: 2018-02-16 03:56:37
End at: 2018-02-16 03:57:07
Local clock offset: -5.639 ms
Remote clock offset: -6.495 ms

Below is generated by plot.py at 2018-02-16 05:43:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.10 Mbit/s
95th percentile per-packet one-way delay: 2.542 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.10 Mbit/s
95th percentile per-packet one-way delay: 2.542 ms
Loss rate: 0.00%

Run 8: Report of Vivace-latency — Data Link

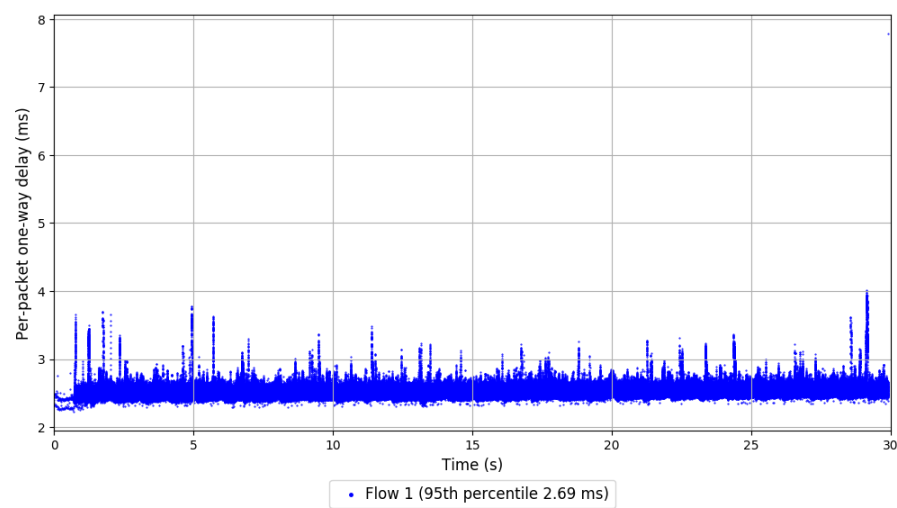
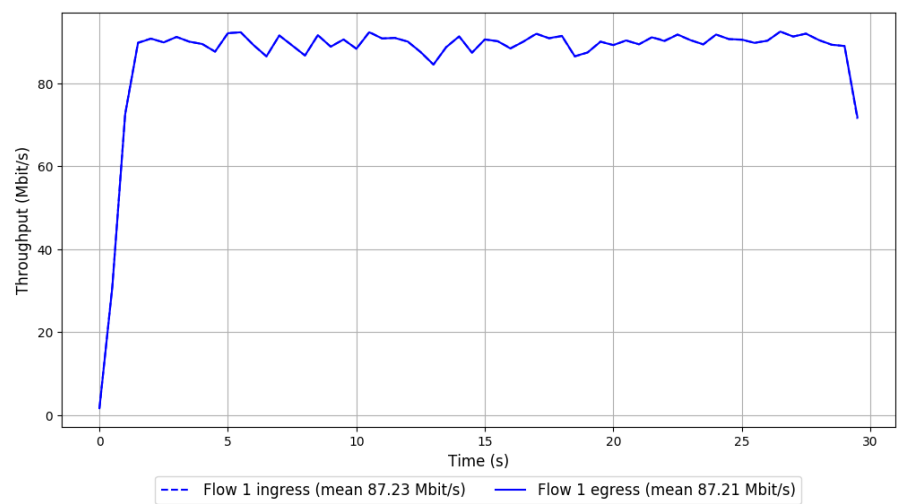


Run 9: Statistics of Vivace-latency

Start at: 2018-02-16 04:17:01
End at: 2018-02-16 04:17:31
Local clock offset: -2.99 ms
Remote clock offset: -6.875 ms

Below is generated by plot.py at 2018-02-16 05:43:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.21 Mbit/s
95th percentile per-packet one-way delay: 2.691 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.21 Mbit/s
95th percentile per-packet one-way delay: 2.691 ms
Loss rate: 0.00%

Run 9: Report of Vivace-latency — Data Link

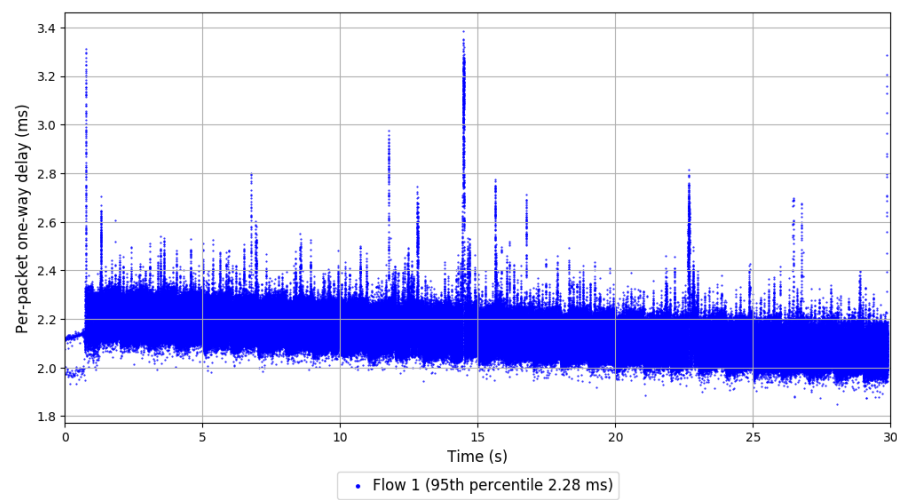
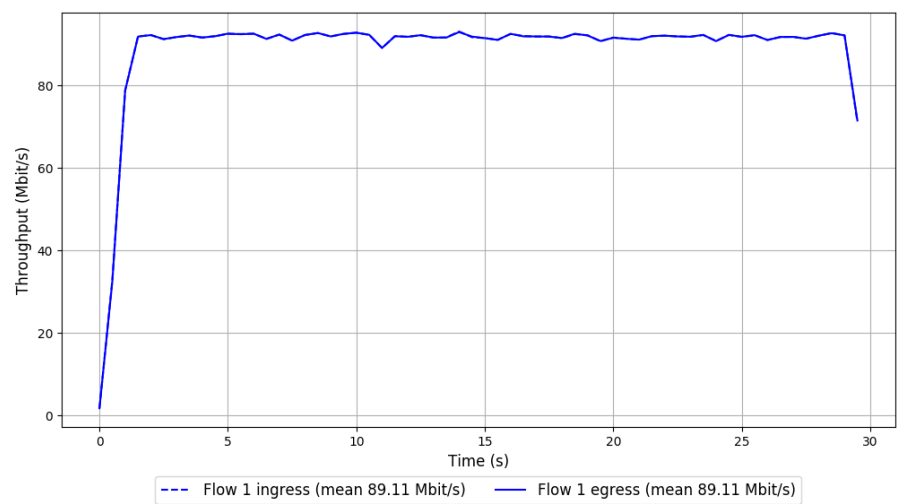


Run 10: Statistics of Vivace-latency

Start at: 2018-02-16 04:37:24
End at: 2018-02-16 04:37:54
Local clock offset: -3.041 ms
Remote clock offset: -5.757 ms

Below is generated by plot.py at 2018-02-16 05:43:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.11 Mbit/s
95th percentile per-packet one-way delay: 2.282 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.11 Mbit/s
95th percentile per-packet one-way delay: 2.282 ms
Loss rate: 0.00%

Run 10: Report of Vivace-latency — Data Link

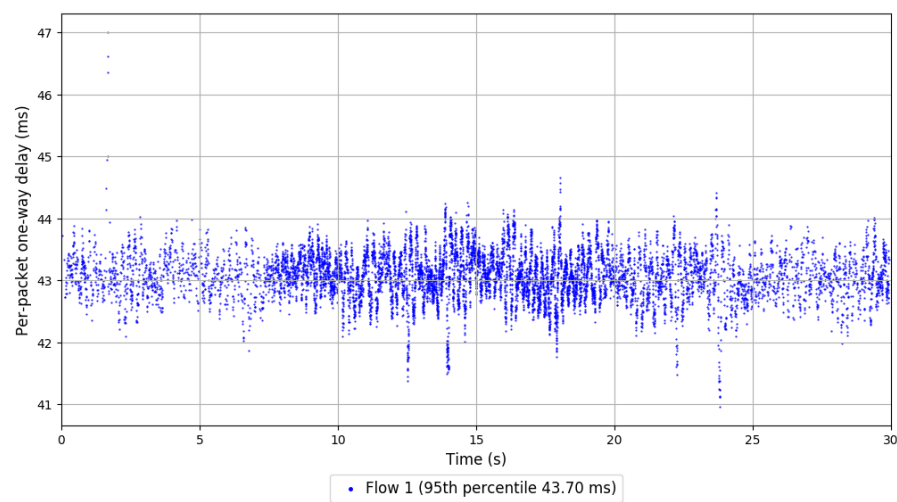
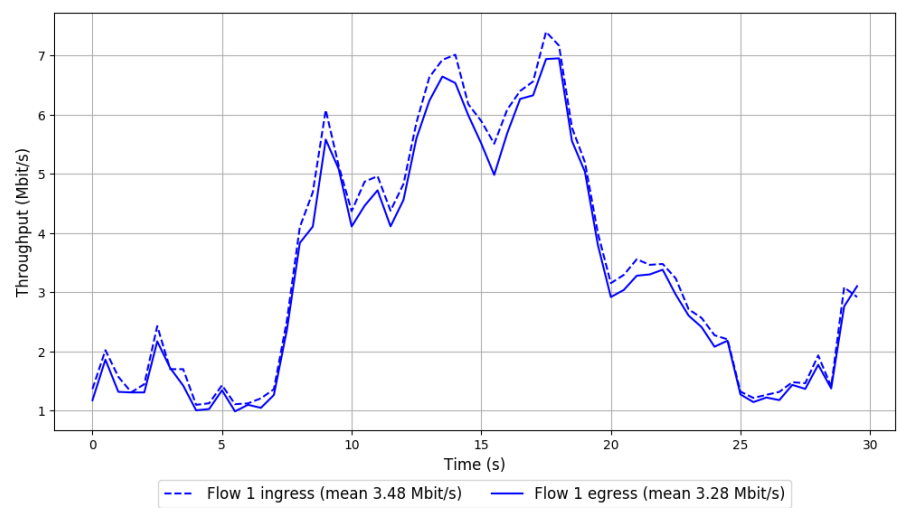


Run 1: Statistics of Vivace-loss

Start at: 2018-02-16 01:39:50
End at: 2018-02-16 01:40:20
Local clock offset: -7.493 ms
Remote clock offset: -5.285 ms

Below is generated by plot.py at 2018-02-16 05:43:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.28 Mbit/s
95th percentile per-packet one-way delay: 43.700 ms
Loss rate: 5.79%
-- Flow 1:
Average throughput: 3.28 Mbit/s
95th percentile per-packet one-way delay: 43.700 ms
Loss rate: 5.79%

Run 1: Report of Vivace-loss — Data Link

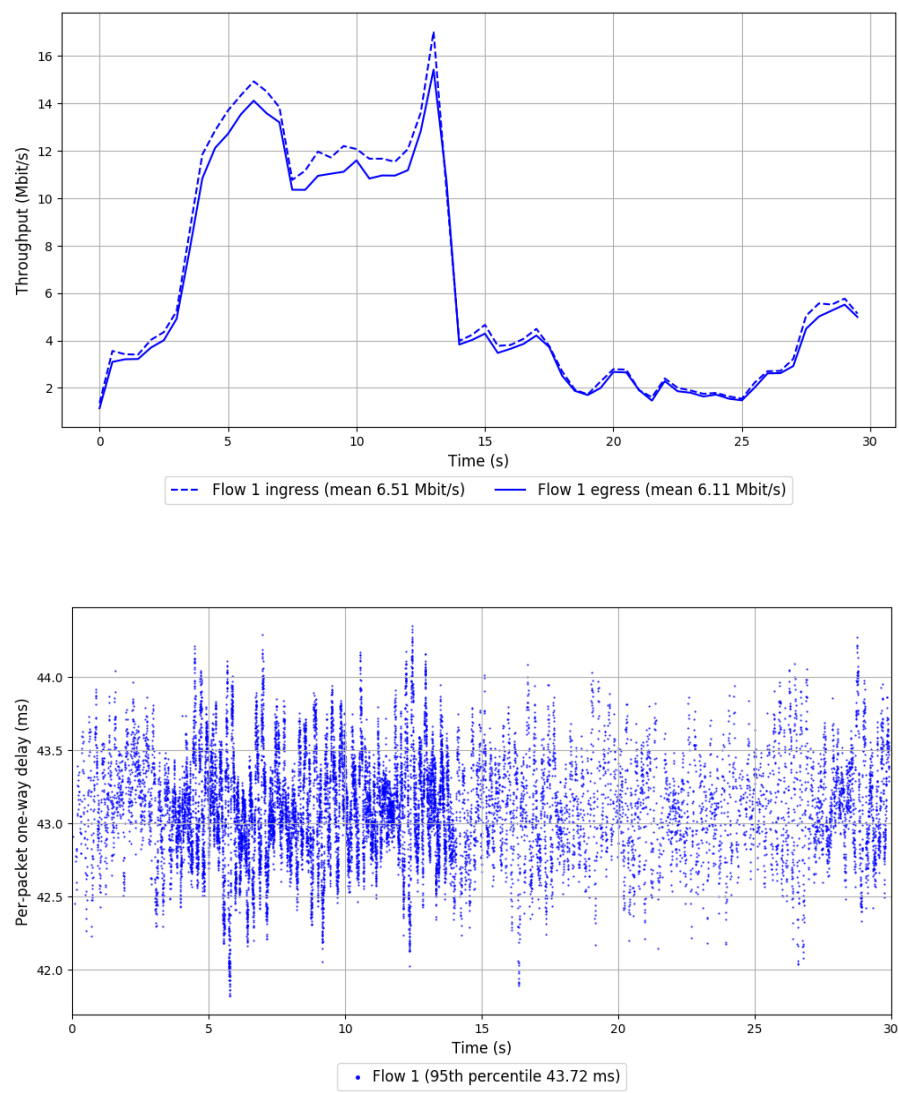


Run 2: Statistics of Vivace-loss

Start at: 2018-02-16 02:00:38
End at: 2018-02-16 02:01:08
Local clock offset: -7.438 ms
Remote clock offset: -4.992 ms

Below is generated by plot.py at 2018-02-16 05:43:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.11 Mbit/s
95th percentile per-packet one-way delay: 43.724 ms
Loss rate: 6.18%
-- Flow 1:
Average throughput: 6.11 Mbit/s
95th percentile per-packet one-way delay: 43.724 ms
Loss rate: 6.18%

Run 2: Report of Vivace-loss — Data Link

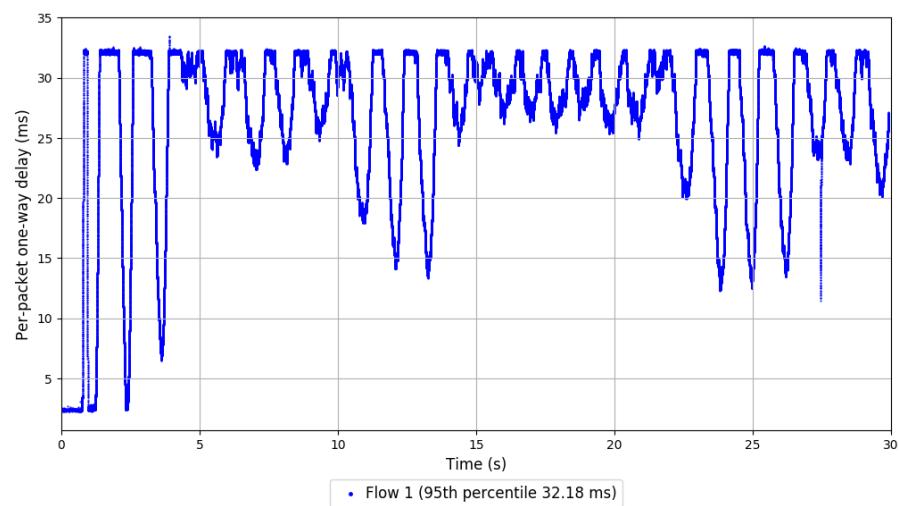
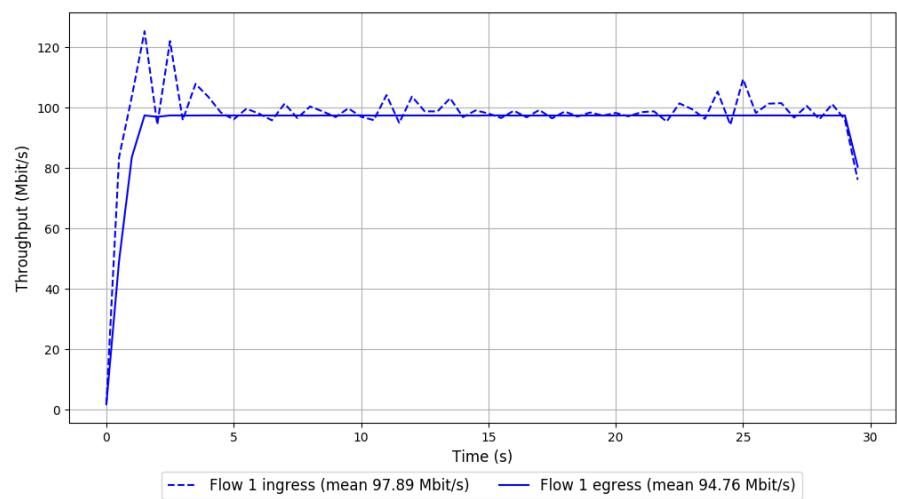


Run 3: Statistics of Vivace-loss

Start at: 2018-02-16 02:21:38
End at: 2018-02-16 02:22:08
Local clock offset: -6.916 ms
Remote clock offset: -0.299 ms

Below is generated by plot.py at 2018-02-16 05:44:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.76 Mbit/s
95th percentile per-packet one-way delay: 32.184 ms
Loss rate: 3.12%
-- Flow 1:
Average throughput: 94.76 Mbit/s
95th percentile per-packet one-way delay: 32.184 ms
Loss rate: 3.12%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-02-16 02:42:22

End at: 2018-02-16 02:42:52

Local clock offset: -5.44 ms

Remote clock offset: 1.268 ms

Below is generated by plot.py at 2018-02-16 05:44:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.71 Mbit/s

95th percentile per-packet one-way delay: 32.195 ms

Loss rate: 4.18%

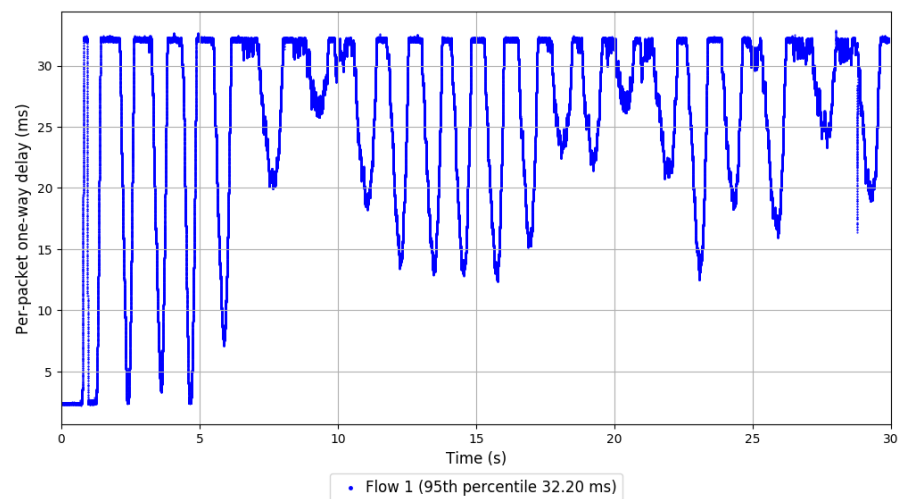
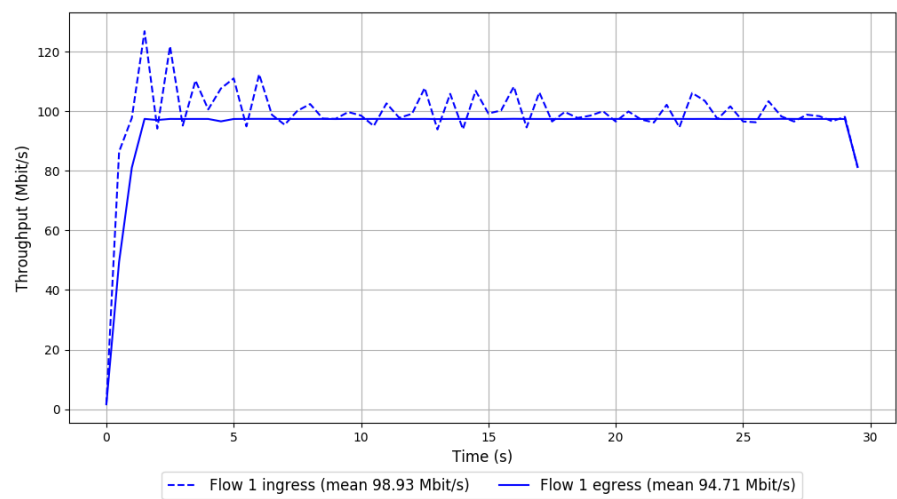
-- Flow 1:

Average throughput: 94.71 Mbit/s

95th percentile per-packet one-way delay: 32.195 ms

Loss rate: 4.18%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-02-16 03:03:11

End at: 2018-02-16 03:03:41

Local clock offset: -5.987 ms

Remote clock offset: 2.472 ms

Below is generated by plot.py at 2018-02-16 05:44:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.73 Mbit/s

95th percentile per-packet one-way delay: 32.130 ms

Loss rate: 4.22%

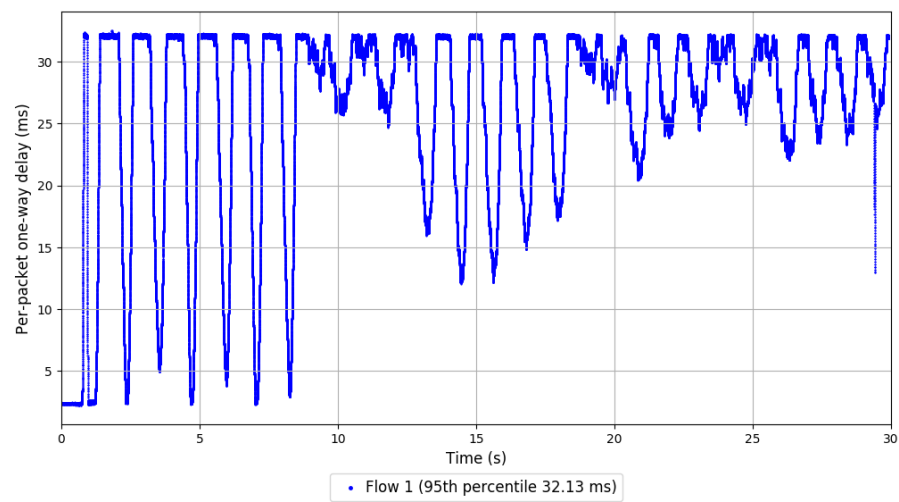
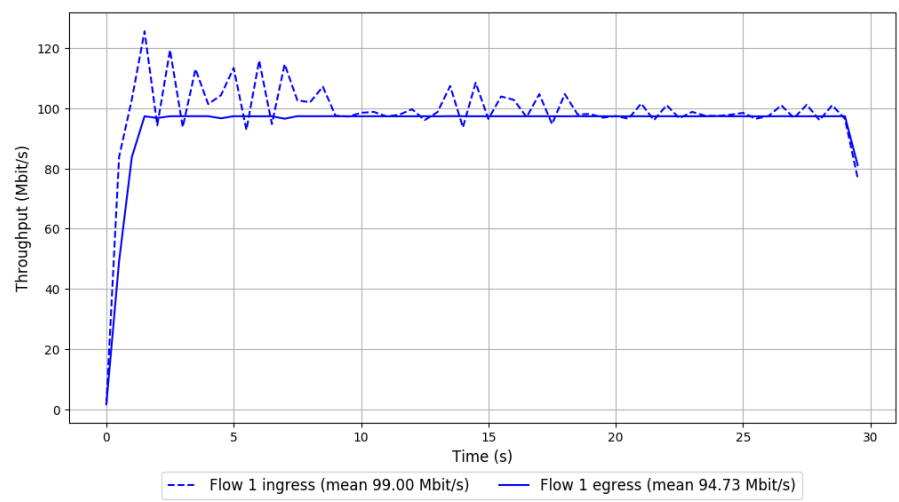
-- Flow 1:

Average throughput: 94.73 Mbit/s

95th percentile per-packet one-way delay: 32.130 ms

Loss rate: 4.22%

Run 5: Report of Vivace-loss — Data Link

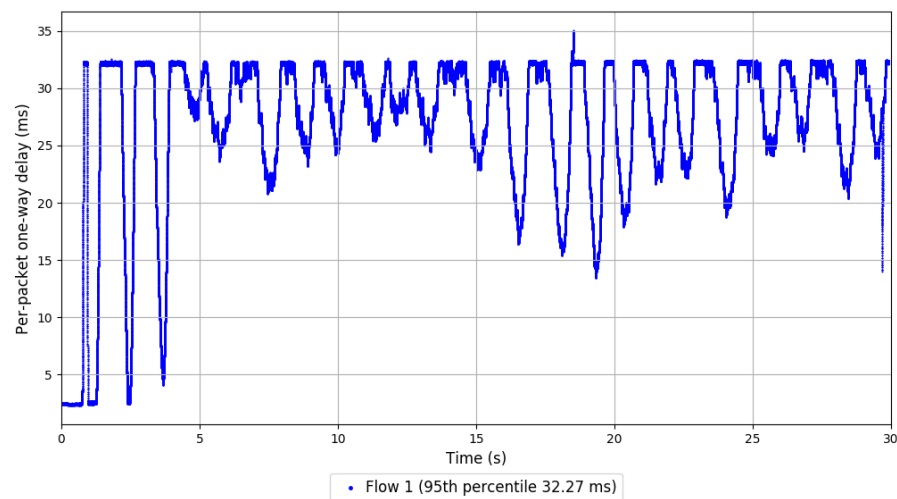
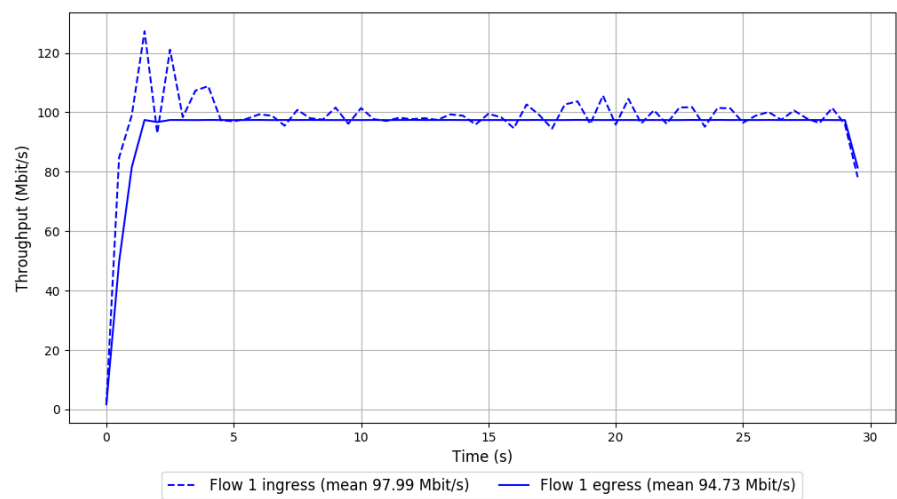


Run 6: Statistics of Vivace-loss

Start at: 2018-02-16 03:23:46
End at: 2018-02-16 03:24:16
Local clock offset: -6.348 ms
Remote clock offset: -4.818 ms

Below is generated by plot.py at 2018-02-16 05:44:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.73 Mbit/s
95th percentile per-packet one-way delay: 32.268 ms
Loss rate: 3.24%
-- Flow 1:
Average throughput: 94.73 Mbit/s
95th percentile per-packet one-way delay: 32.268 ms
Loss rate: 3.24%

Run 6: Report of Vivace-loss — Data Link

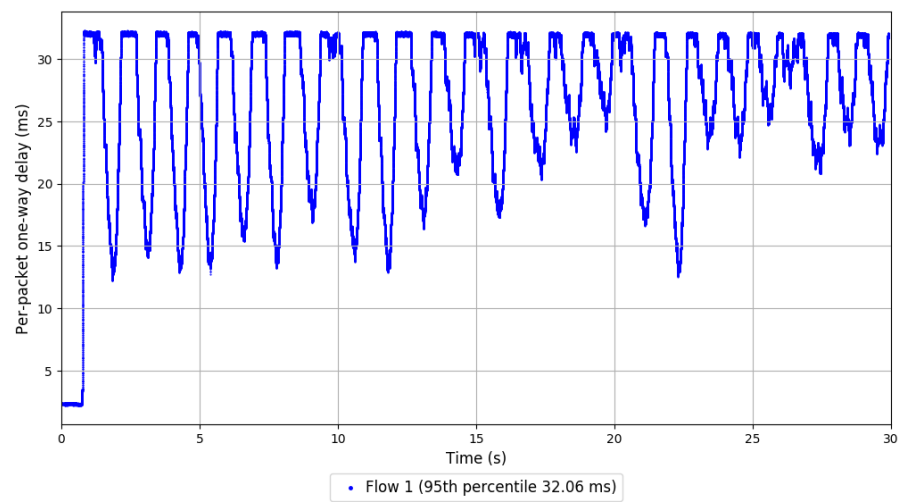
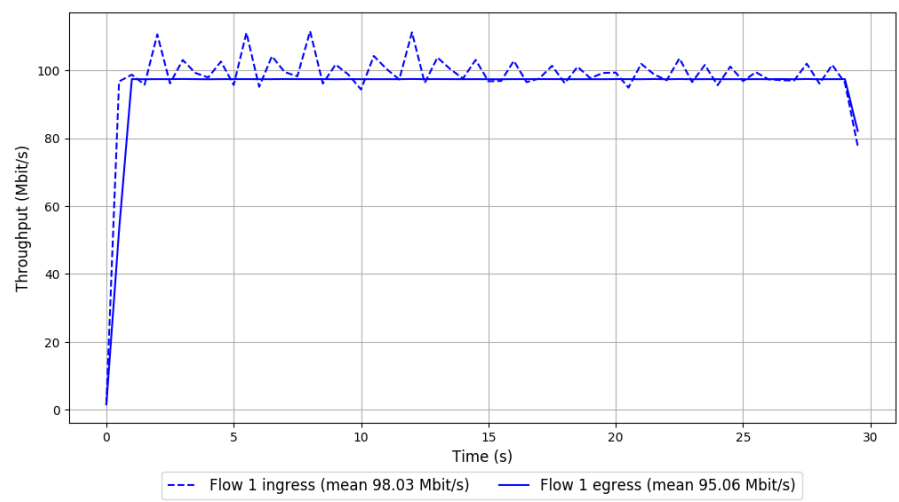


Run 7: Statistics of Vivace-loss

Start at: 2018-02-16 03:44:13
End at: 2018-02-16 03:44:43
Local clock offset: -5.842 ms
Remote clock offset: -7.947 ms

Below is generated by plot.py at 2018-02-16 05:44:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.06 Mbit/s
95th percentile per-packet one-way delay: 32.061 ms
Loss rate: 2.93%
-- Flow 1:
Average throughput: 95.06 Mbit/s
95th percentile per-packet one-way delay: 32.061 ms
Loss rate: 2.93%

Run 7: Report of Vivace-loss — Data Link

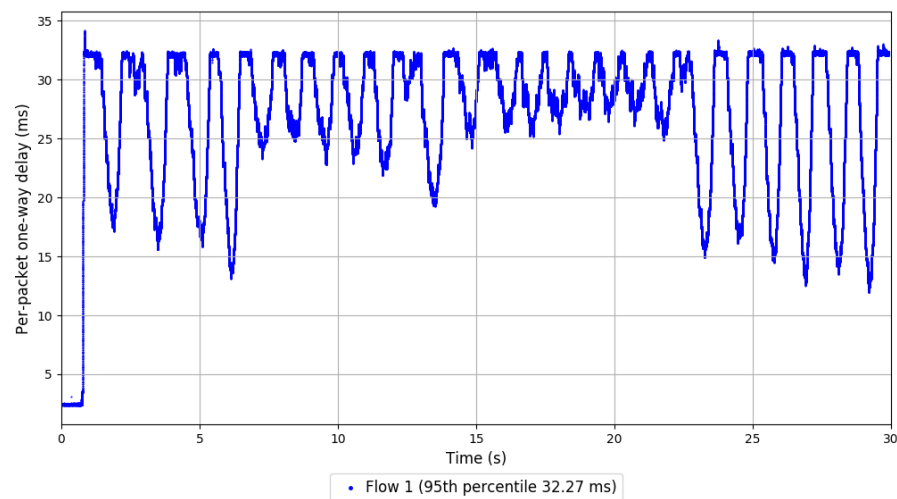
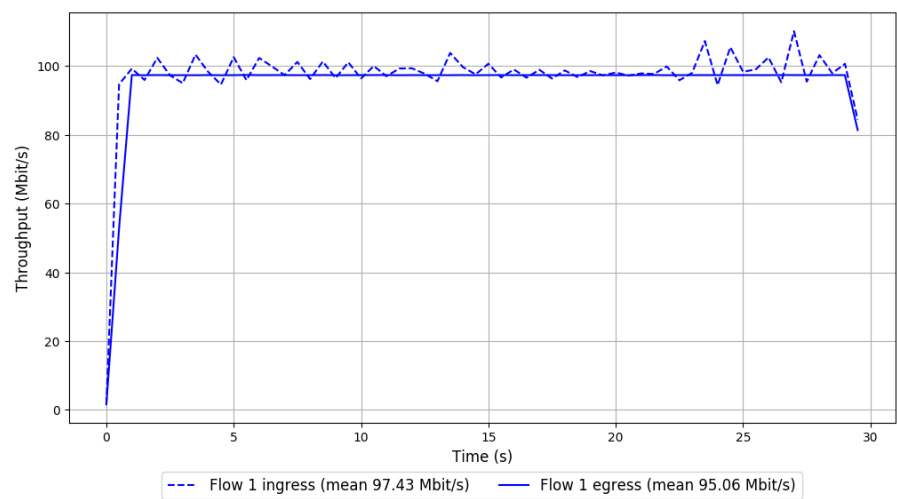


Run 8: Statistics of Vivace-loss

Start at: 2018-02-16 04:04:37
End at: 2018-02-16 04:05:07
Local clock offset: -4.584 ms
Remote clock offset: -6.492 ms

Below is generated by plot.py at 2018-02-16 05:45:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.06 Mbit/s
95th percentile per-packet one-way delay: 32.271 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 95.06 Mbit/s
95th percentile per-packet one-way delay: 32.271 ms
Loss rate: 2.34%

Run 8: Report of Vivace-loss — Data Link

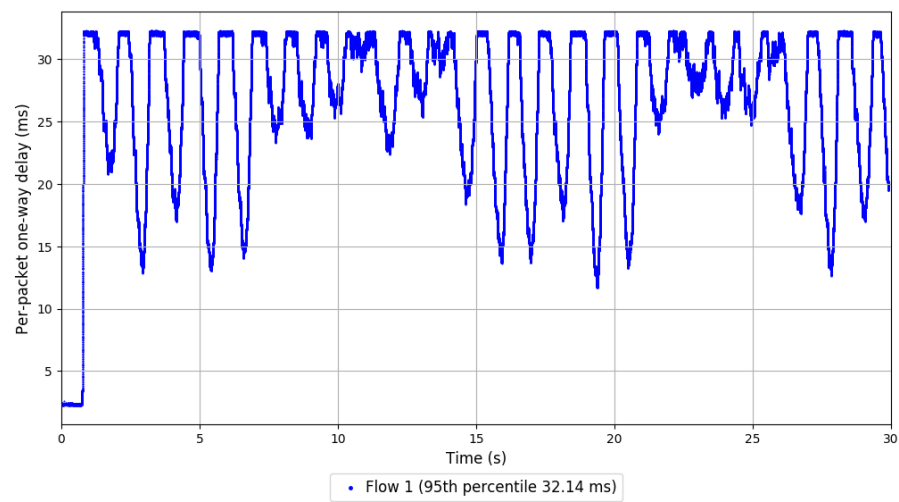
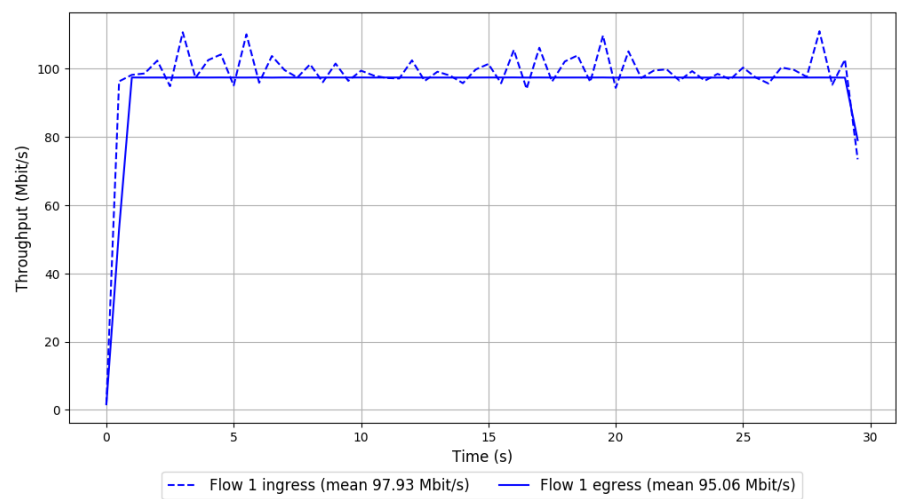


Run 9: Statistics of Vivace-loss

Start at: 2018-02-16 04:25:01
End at: 2018-02-16 04:25:31
Local clock offset: -2.535 ms
Remote clock offset: -6.148 ms

Below is generated by plot.py at 2018-02-16 05:45:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.06 Mbit/s
95th percentile per-packet one-way delay: 32.140 ms
Loss rate: 2.88%
-- Flow 1:
Average throughput: 95.06 Mbit/s
95th percentile per-packet one-way delay: 32.140 ms
Loss rate: 2.88%

Run 9: Report of Vivace-loss — Data Link

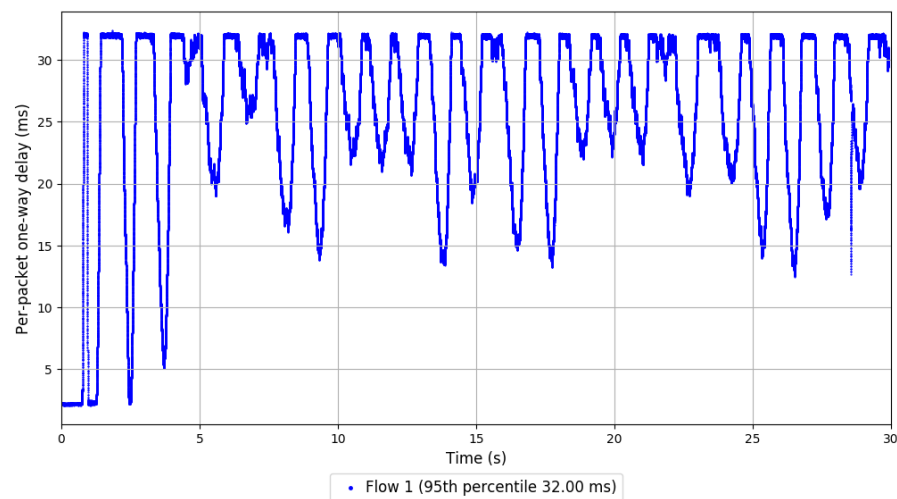
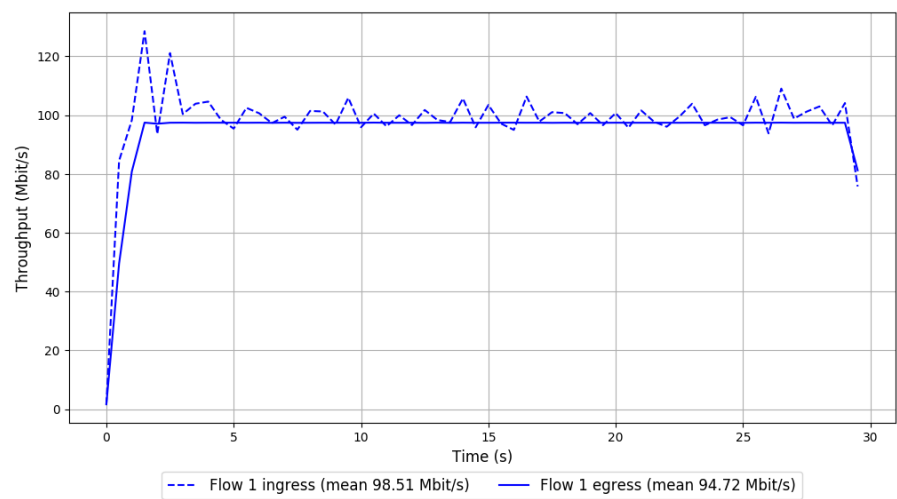


Run 10: Statistics of Vivace-loss

Start at: 2018-02-16 04:45:22
End at: 2018-02-16 04:45:52
Local clock offset: -4.777 ms
Remote clock offset: -5.755 ms

Below is generated by plot.py at 2018-02-16 05:45:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.72 Mbit/s
95th percentile per-packet one-way delay: 32.002 ms
Loss rate: 3.75%
-- Flow 1:
Average throughput: 94.72 Mbit/s
95th percentile per-packet one-way delay: 32.002 ms
Loss rate: 3.75%

Run 10: Report of Vivace-loss — Data Link

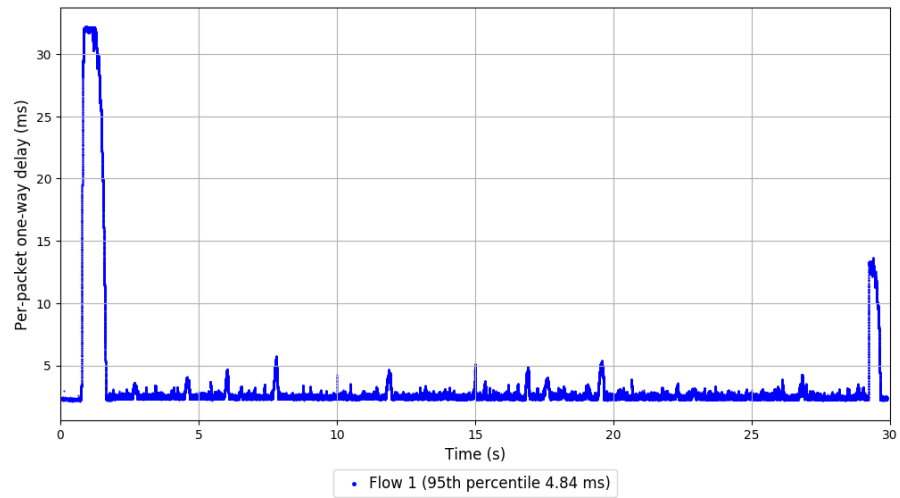
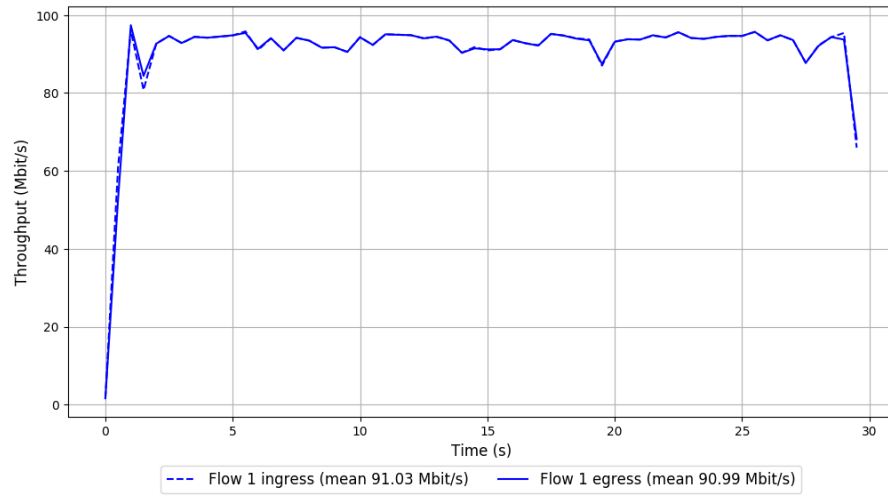


Run 1: Statistics of Vivace-LTE

Start at: 2018-02-16 01:37:23
End at: 2018-02-16 01:37:53
Local clock offset: -7.357 ms
Remote clock offset: -5.378 ms

Below is generated by plot.py at 2018-02-16 05:45:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.99 Mbit/s
95th percentile per-packet one-way delay: 4.841 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 90.99 Mbit/s
95th percentile per-packet one-way delay: 4.841 ms
Loss rate: 0.05%

Run 1: Report of Vivace-LTE — Data Link

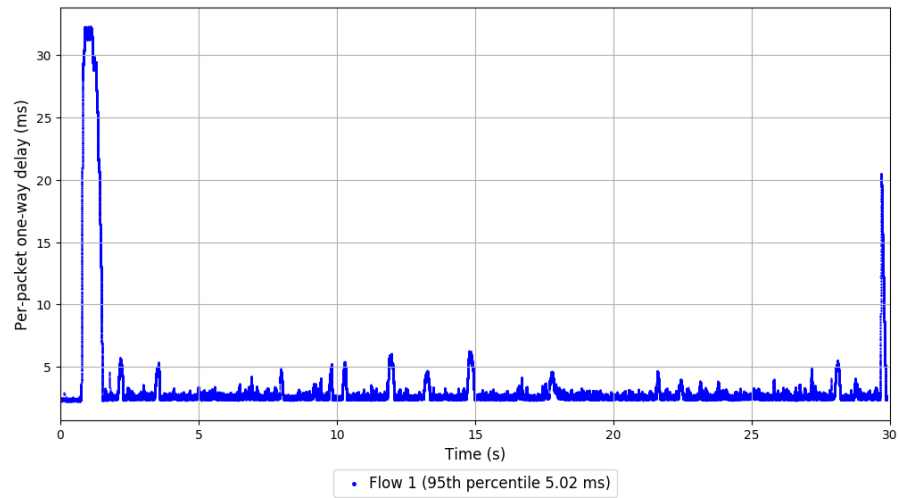
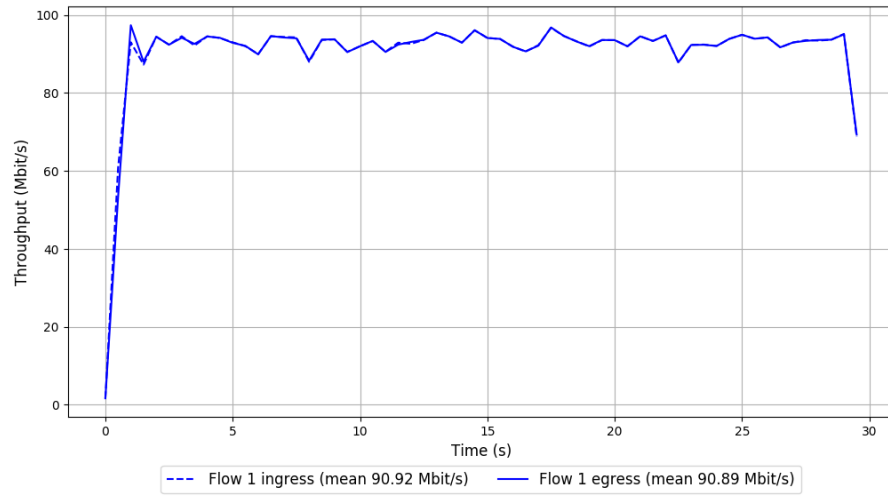


Run 2: Statistics of Vivace-LTE

Start at: 2018-02-16 01:58:16
End at: 2018-02-16 01:58:46
Local clock offset: -7.438 ms
Remote clock offset: -5.003 ms

Below is generated by plot.py at 2018-02-16 05:45:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.89 Mbit/s
95th percentile per-packet one-way delay: 5.020 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 90.89 Mbit/s
95th percentile per-packet one-way delay: 5.020 ms
Loss rate: 0.04%

Run 2: Report of Vivace-LTE — Data Link

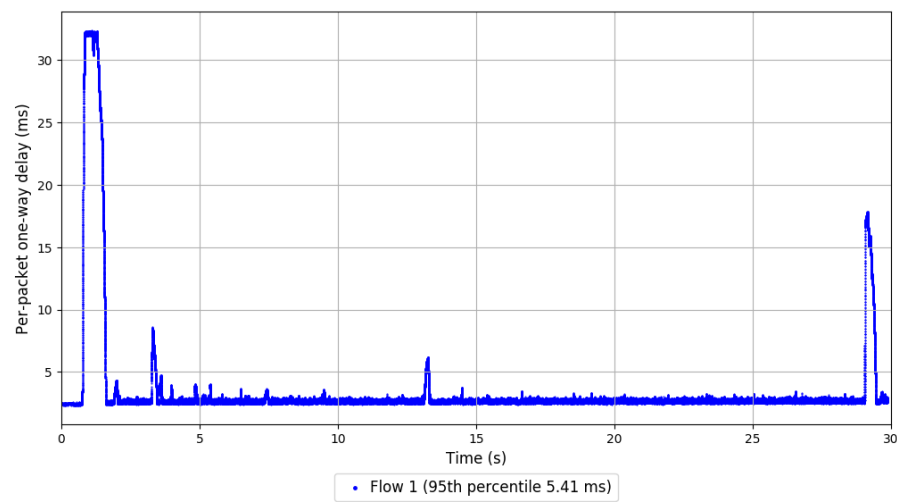
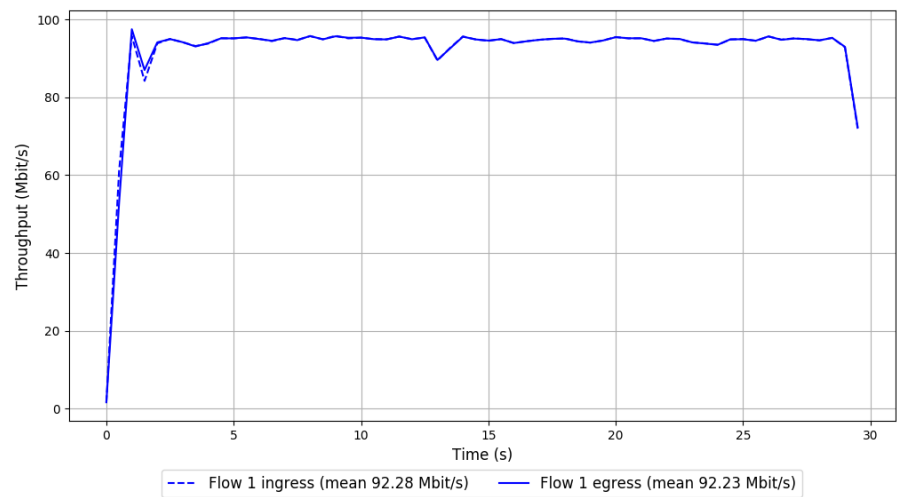


Run 3: Statistics of Vivace-LTE

Start at: 2018-02-16 02:19:17
End at: 2018-02-16 02:19:47
Local clock offset: -7.426 ms
Remote clock offset: -0.521 ms

Below is generated by plot.py at 2018-02-16 05:46:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.23 Mbit/s
95th percentile per-packet one-way delay: 5.407 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 92.23 Mbit/s
95th percentile per-packet one-way delay: 5.407 ms
Loss rate: 0.05%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-02-16 02:40:01

End at: 2018-02-16 02:40:31

Local clock offset: -5.433 ms

Remote clock offset: 1.077 ms

Below is generated by plot.py at 2018-02-16 05:46:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.96 Mbit/s

95th percentile per-packet one-way delay: 2.704 ms

Loss rate: 0.04%

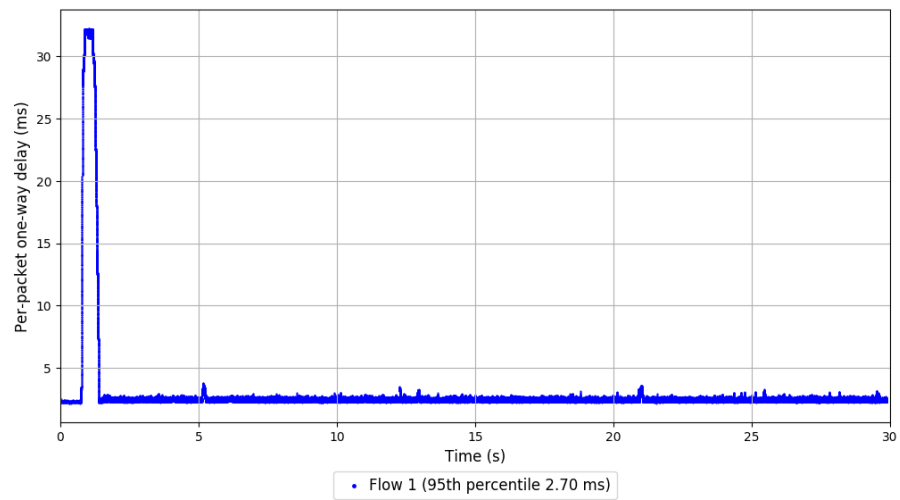
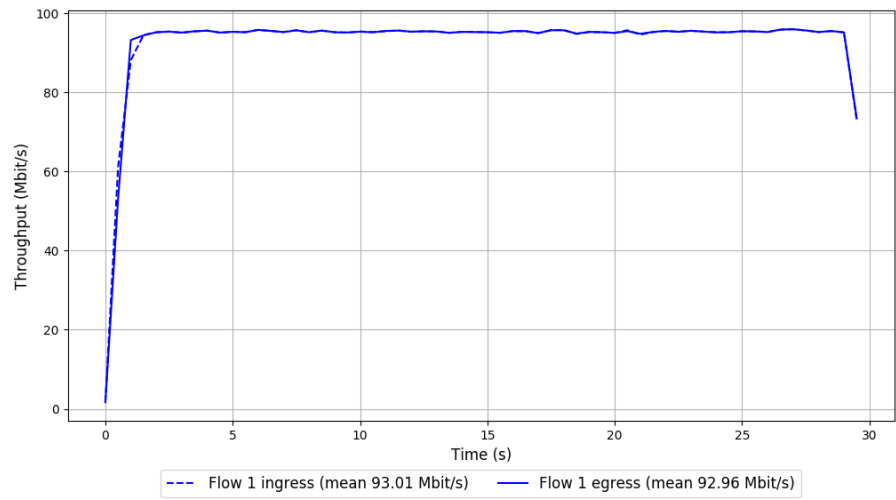
-- Flow 1:

Average throughput: 92.96 Mbit/s

95th percentile per-packet one-way delay: 2.704 ms

Loss rate: 0.04%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-02-16 03:00:51

End at: 2018-02-16 03:01:21

Local clock offset: -5.894 ms

Remote clock offset: 2.324 ms

Below is generated by plot.py at 2018-02-16 05:46:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.00 Mbit/s

95th percentile per-packet one-way delay: 2.731 ms

Loss rate: 0.04%

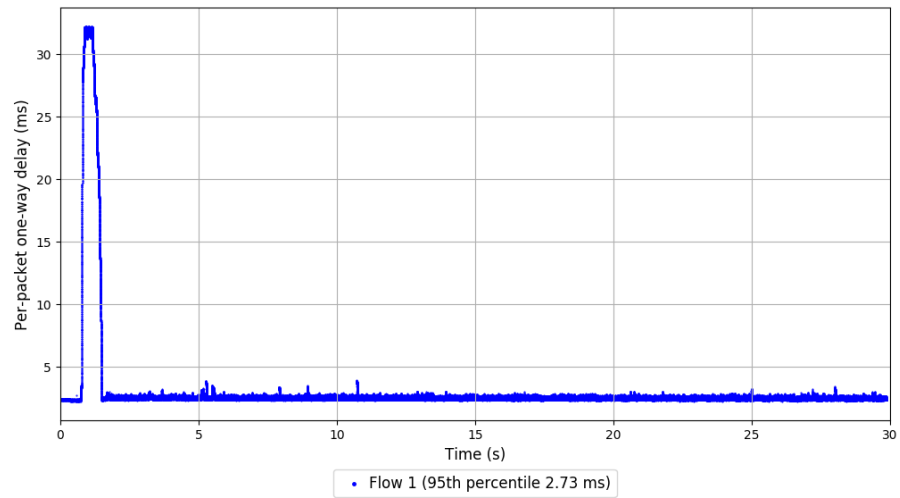
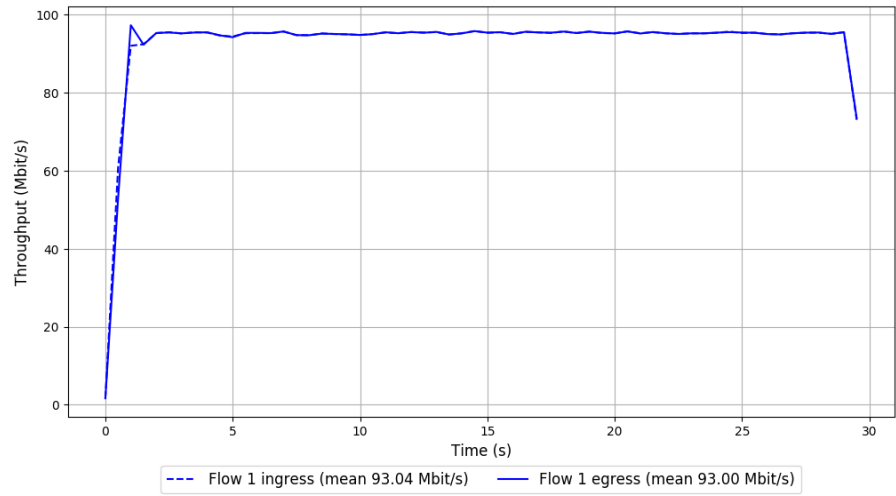
-- Flow 1:

Average throughput: 93.00 Mbit/s

95th percentile per-packet one-way delay: 2.731 ms

Loss rate: 0.04%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-02-16 03:21:26

End at: 2018-02-16 03:21:56

Local clock offset: -6.24 ms

Remote clock offset: -4.037 ms

Below is generated by plot.py at 2018-02-16 05:46:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.09 Mbit/s

95th percentile per-packet one-way delay: 2.935 ms

Loss rate: 0.04%

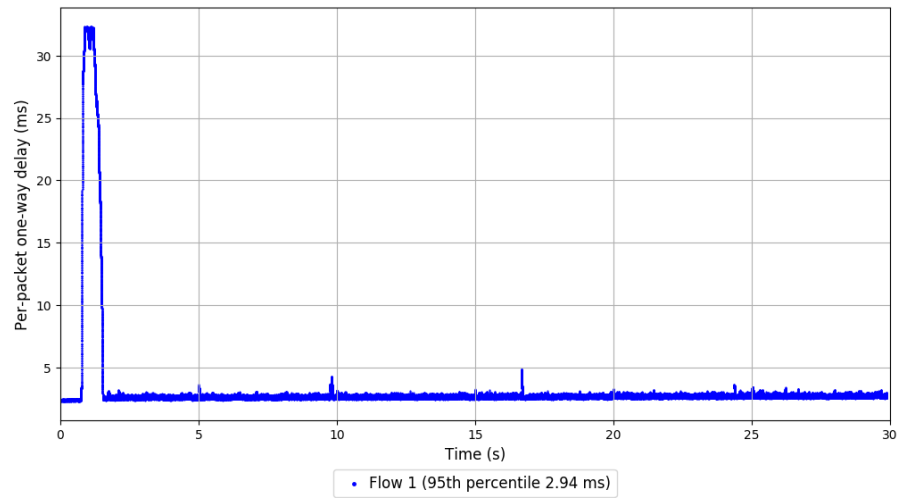
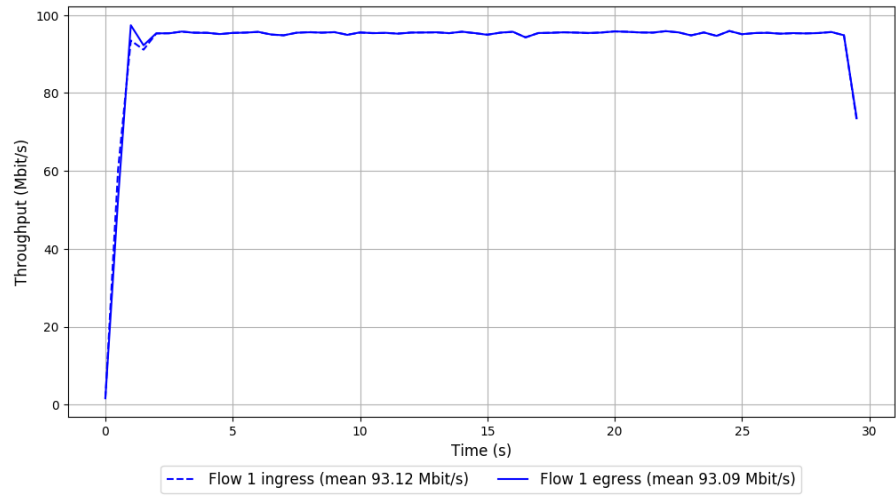
-- Flow 1:

Average throughput: 93.09 Mbit/s

95th percentile per-packet one-way delay: 2.935 ms

Loss rate: 0.04%

Run 6: Report of Vivace-LTE — Data Link

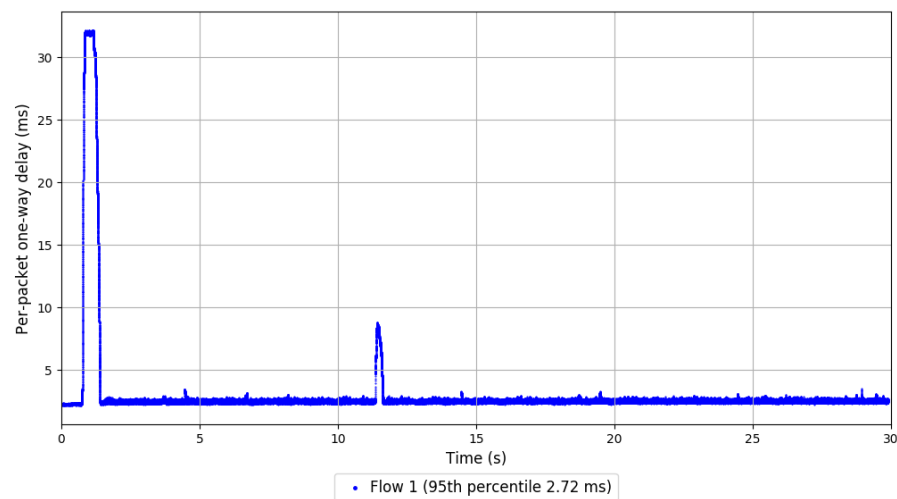
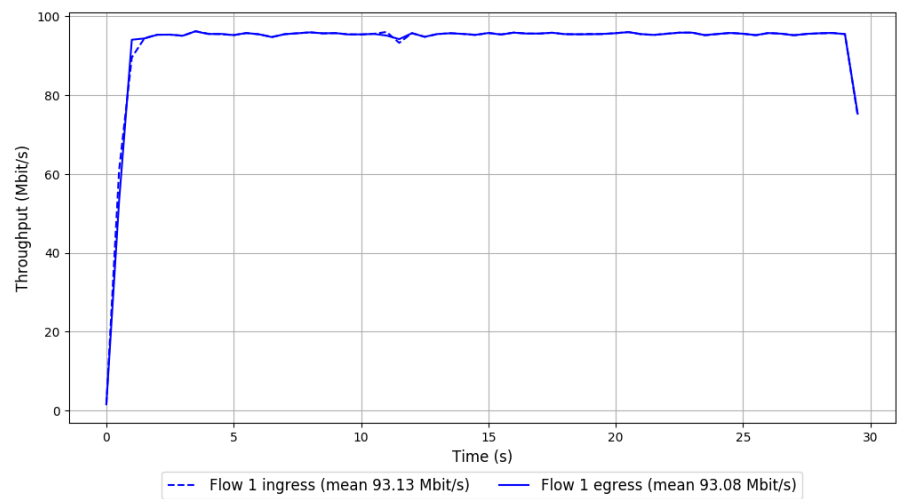


Run 7: Statistics of Vivace-LTE

Start at: 2018-02-16 03:41:56
End at: 2018-02-16 03:42:26
Local clock offset: -5.801 ms
Remote clock offset: -7.823 ms

Below is generated by plot.py at 2018-02-16 05:46:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.08 Mbit/s
95th percentile per-packet one-way delay: 2.717 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 93.08 Mbit/s
95th percentile per-packet one-way delay: 2.717 ms
Loss rate: 0.05%

Run 7: Report of Vivace-LTE — Data Link

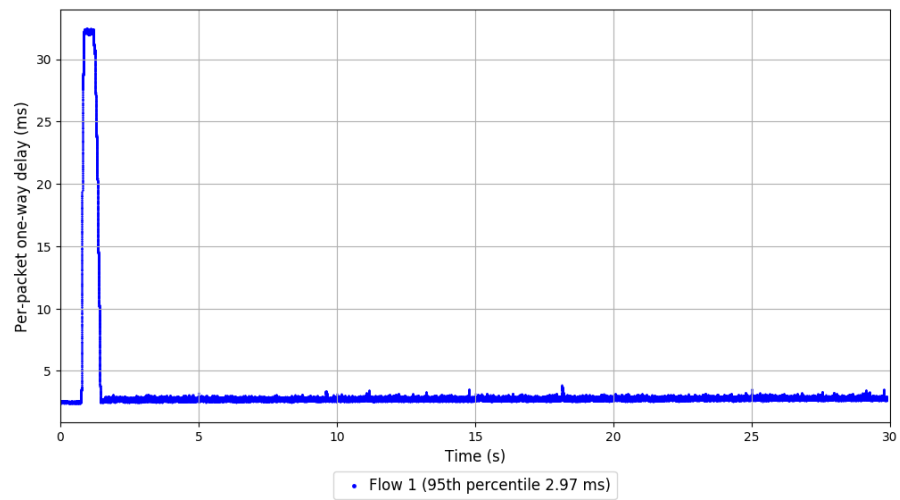
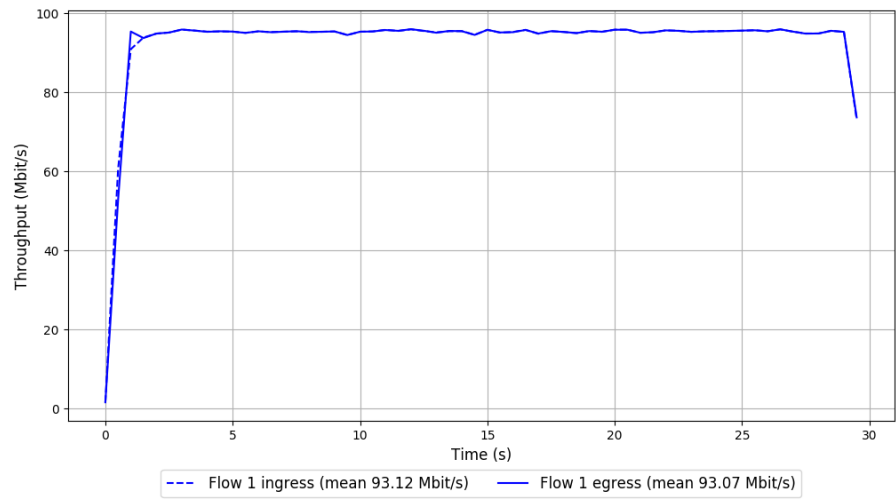


Run 8: Statistics of Vivace-LTE

Start at: 2018-02-16 04:02:20
End at: 2018-02-16 04:02:50
Local clock offset: -5.14 ms
Remote clock offset: -6.399 ms

Below is generated by plot.py at 2018-02-16 05:46:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.07 Mbit/s
95th percentile per-packet one-way delay: 2.969 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 93.07 Mbit/s
95th percentile per-packet one-way delay: 2.969 ms
Loss rate: 0.05%

Run 8: Report of Vivace-LTE — Data Link

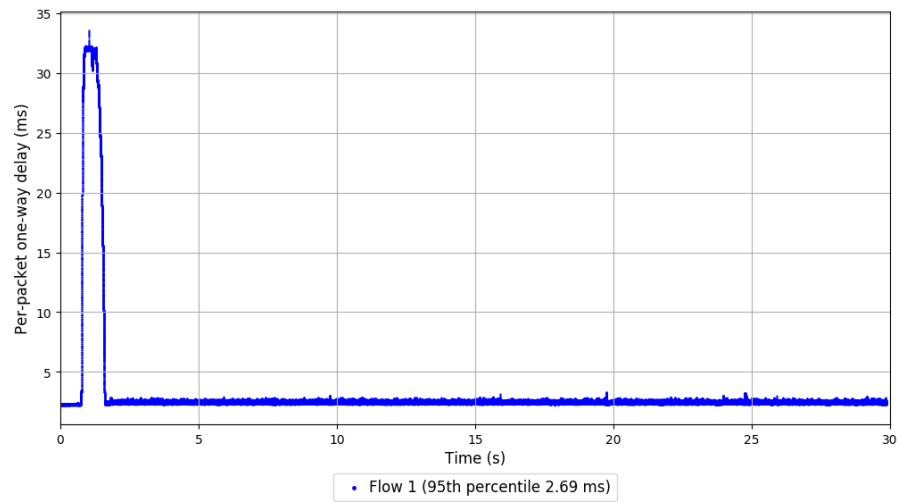
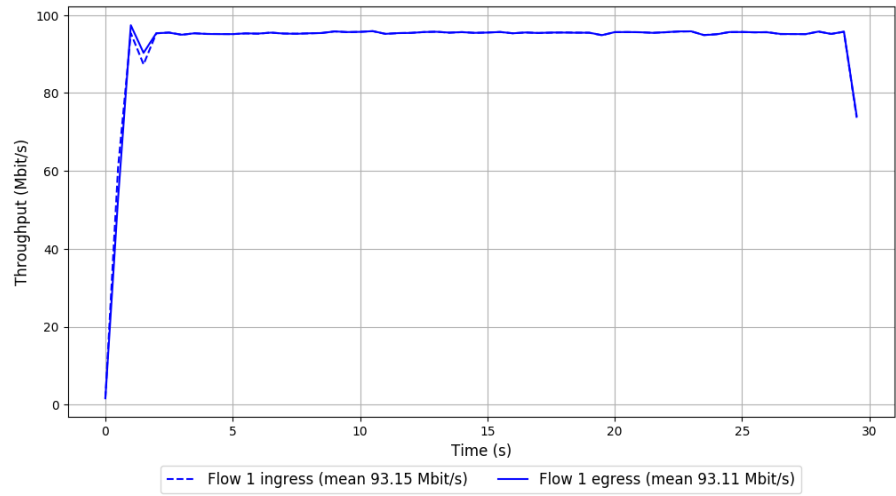


Run 9: Statistics of Vivace-LTE

Start at: 2018-02-16 04:22:43
End at: 2018-02-16 04:23:14
Local clock offset: -2.552 ms
Remote clock offset: -6.253 ms

Below is generated by plot.py at 2018-02-16 05:46:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.11 Mbit/s
95th percentile per-packet one-way delay: 2.691 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 93.11 Mbit/s
95th percentile per-packet one-way delay: 2.691 ms
Loss rate: 0.05%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-16 04:43:05
End at: 2018-02-16 04:43:35
Local clock offset: -4.548 ms
Remote clock offset: -5.732 ms

Below is generated by plot.py at 2018-02-16 05:46:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.14 Mbit/s
95th percentile per-packet one-way delay: 7.860 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 92.14 Mbit/s
95th percentile per-packet one-way delay: 7.860 ms
Loss rate: 0.03%

Run 10: Report of Vivace-LTE — Data Link

