

Pantheon Report

Generated at 2018-02-16 10:33:53 (UTC).

Data path: AWS California 1 Ethernet (*local*) → Stanford 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).

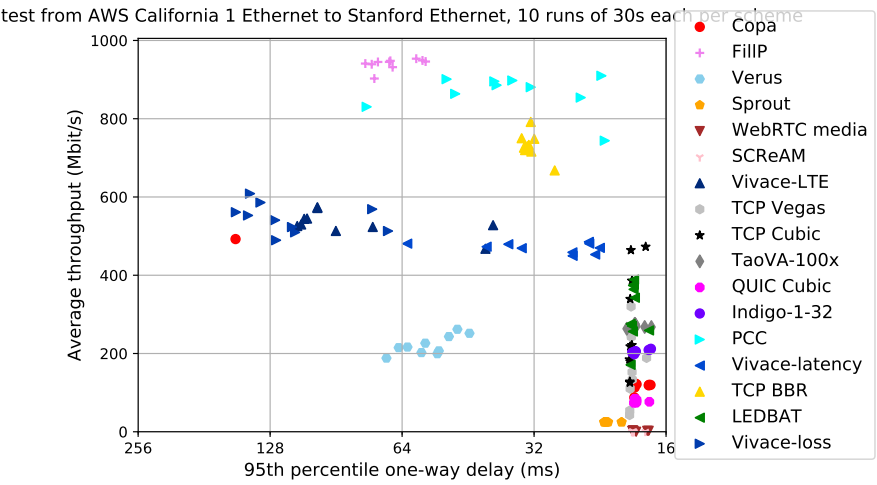
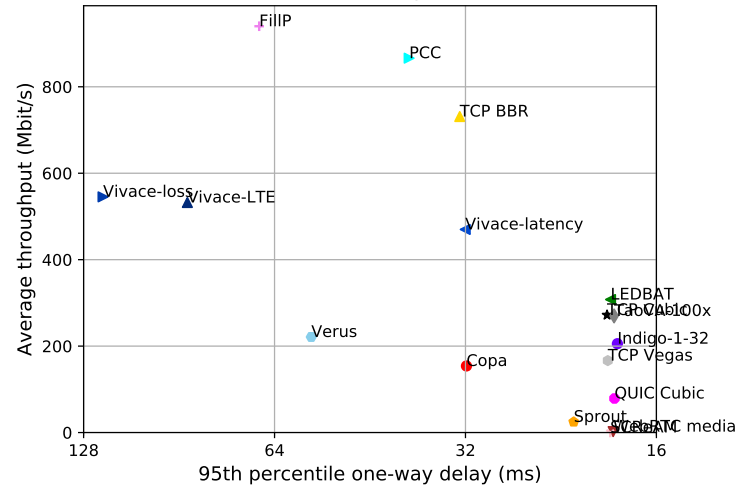
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against `time.stanford.edu` 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-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webRTC @ a488197ddd041ace68a42849b2540ad834825f42
```

test from AWS California 1 Ethernet to Stanford Ethernet, 10 runs of 30s each per scheme
(mean of all runs by 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	731.21	32.67	0.67
TCP Cubic	10	271.99	19.14	0.03
LEDBAT	10	307.79	18.90	0.01
PCC	10	866.22	39.26	0.24
QUIC Cubic	9	78.80	18.63	0.00
SCReAM	10	0.22	18.92	0.00
WebRTC media	10	2.17	18.72	0.00
Sprout	10	24.68	21.60	0.04
TaoVA-100x	10	269.82	18.66	0.00
TCP Vegas	10	166.49	19.09	0.01
Verus	10	221.15	56.01	15.90
Copa	10	154.05	31.89	3.70
FillP	10	940.12	67.67	4.98
Indigo-1-32	10	205.59	18.43	0.00
Vivace-latency	10	469.92	32.03	0.04
Vivace-loss	10	545.31	119.27	2.20
Vivace-LTE	10	532.29	87.83	0.25

Run 1: Statistics of TCP BBR

Start at: 2018-02-16 02:32:09

End at: 2018-02-16 02:32:39

Local clock offset: 0.453 ms

Remote clock offset: -4.514 ms

Below is generated by plot.py at 2018-02-16 08:53:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 748.68 Mbit/s

95th percentile per-packet one-way delay: 31.968 ms

Loss rate: 0.19%

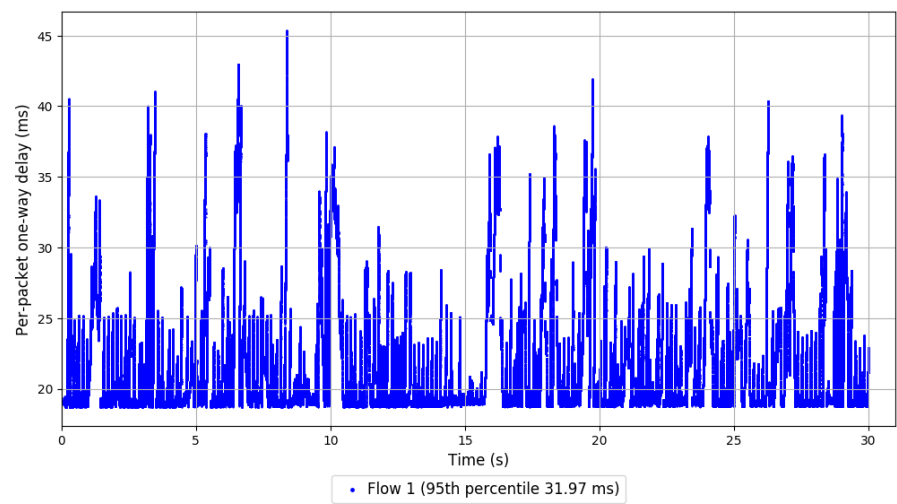
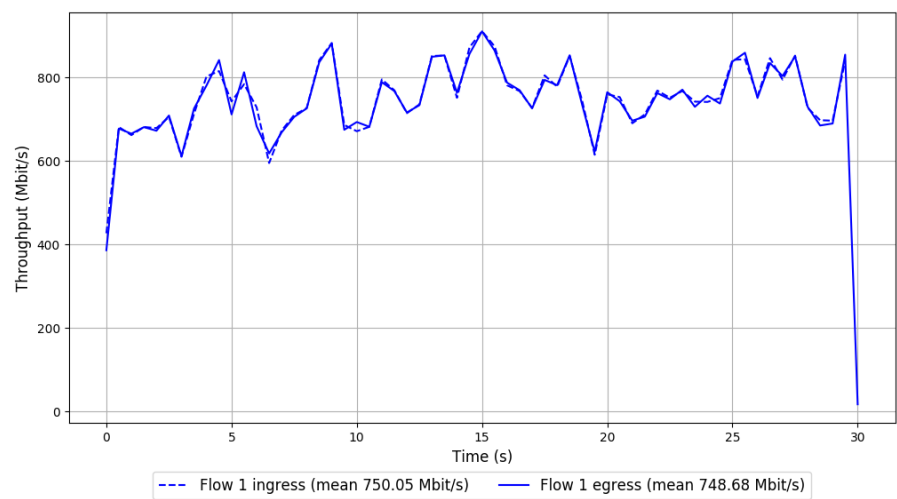
-- Flow 1:

Average throughput: 748.68 Mbit/s

95th percentile per-packet one-way delay: 31.968 ms

Loss rate: 0.19%

Run 1: Report of TCP BBR — Data Link

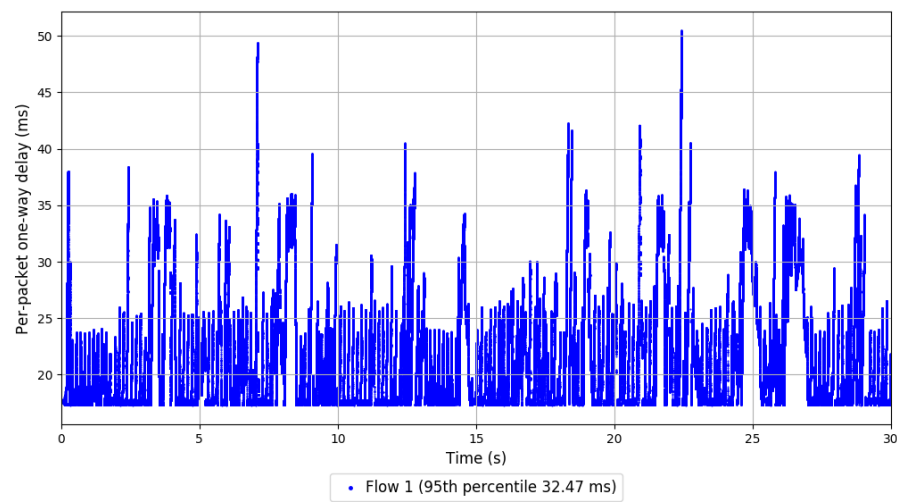
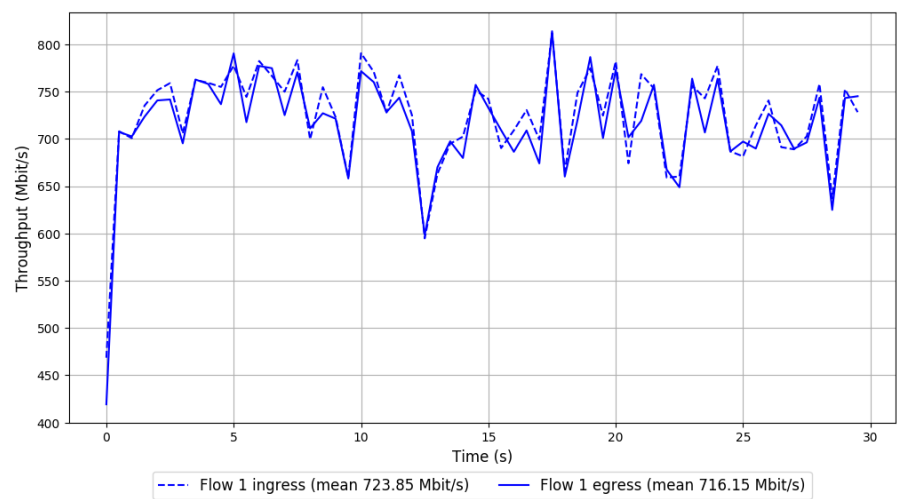


Run 2: Statistics of TCP BBR

Start at: 2018-02-16 02:57:14
End at: 2018-02-16 02:57:44
Local clock offset: 0.724 ms
Remote clock offset: -5.368 ms

Below is generated by plot.py at 2018-02-16 08:53:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 716.15 Mbit/s
95th percentile per-packet one-way delay: 32.466 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 716.15 Mbit/s
95th percentile per-packet one-way delay: 32.466 ms
Loss rate: 1.06%

Run 2: Report of TCP BBR — Data Link

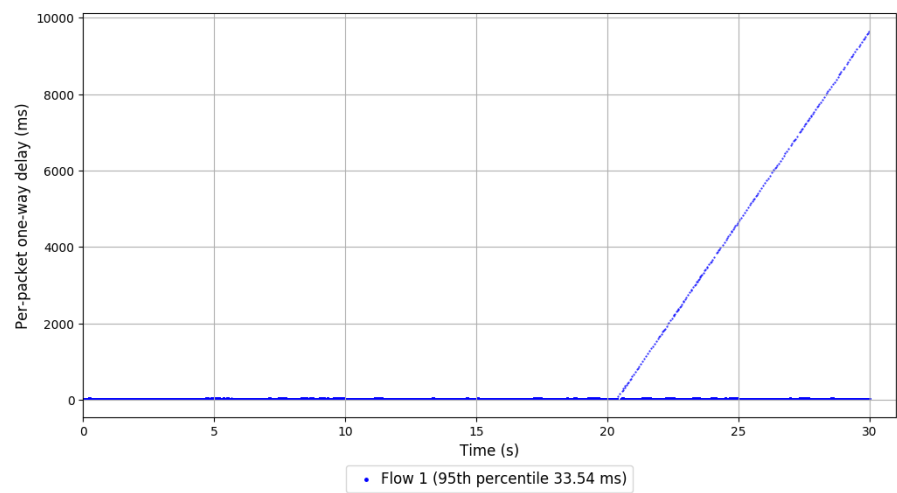
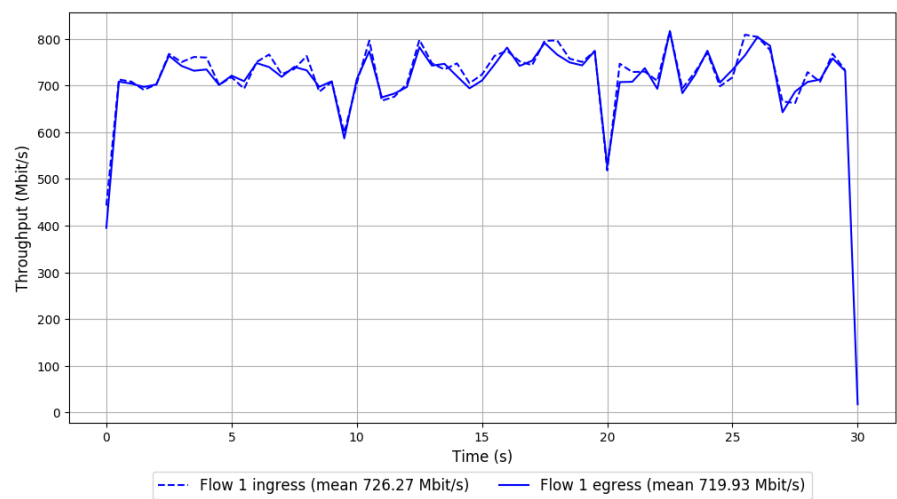


Run 3: Statistics of TCP BBR

Start at: 2018-02-16 03:22:19
End at: 2018-02-16 03:22:49
Local clock offset: 0.98 ms
Remote clock offset: -6.219 ms

Below is generated by plot.py at 2018-02-16 08:53:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 719.93 Mbit/s
95th percentile per-packet one-way delay: 33.542 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 719.93 Mbit/s
95th percentile per-packet one-way delay: 33.542 ms
Loss rate: 0.87%

Run 3: Report of TCP BBR — Data Link

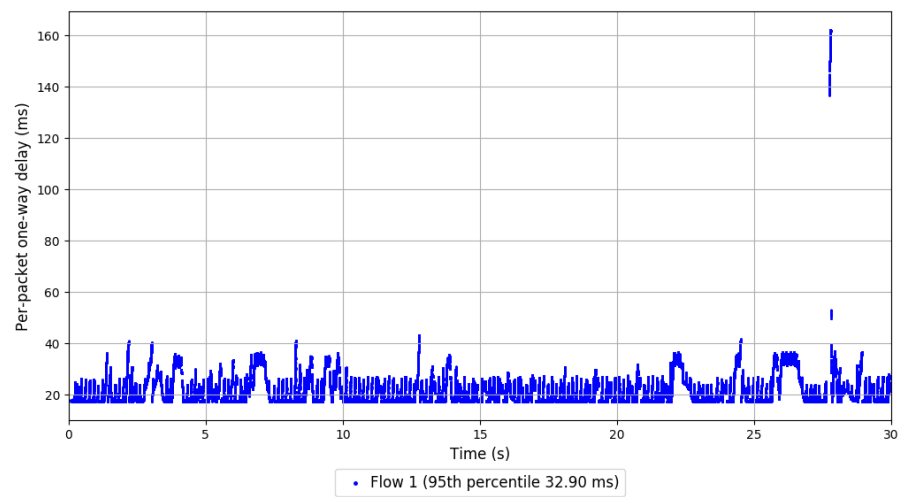
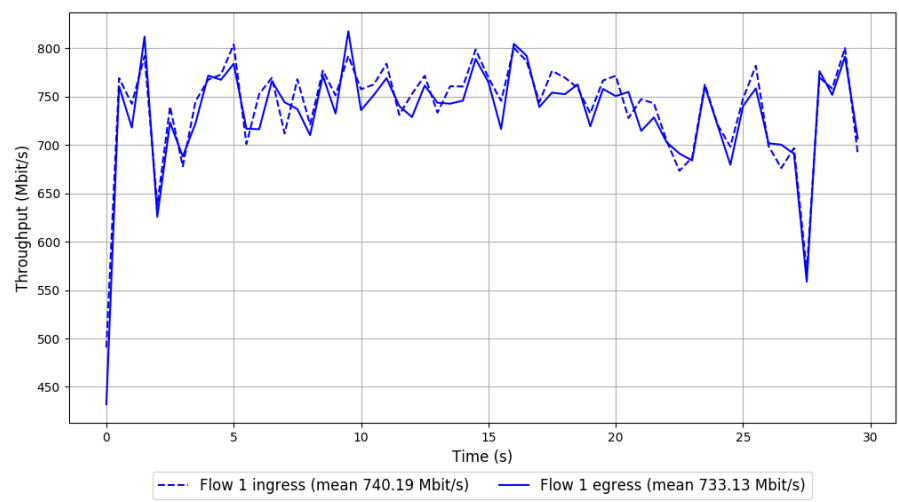


Run 4: Statistics of TCP BBR

Start at: 2018-02-16 03:47:18
End at: 2018-02-16 03:47:48
Local clock offset: 0.708 ms
Remote clock offset: -5.694 ms

Below is generated by plot.py at 2018-02-16 08:53:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 733.13 Mbit/s
95th percentile per-packet one-way delay: 32.899 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 733.13 Mbit/s
95th percentile per-packet one-way delay: 32.899 ms
Loss rate: 0.95%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-02-16 04:12:24

End at: 2018-02-16 04:12:54

Local clock offset: 0.892 ms

Remote clock offset: -5.189 ms

Below is generated by plot.py at 2018-02-16 08:53:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 667.95 Mbit/s

95th percentile per-packet one-way delay: 28.719 ms

Loss rate: 0.91%

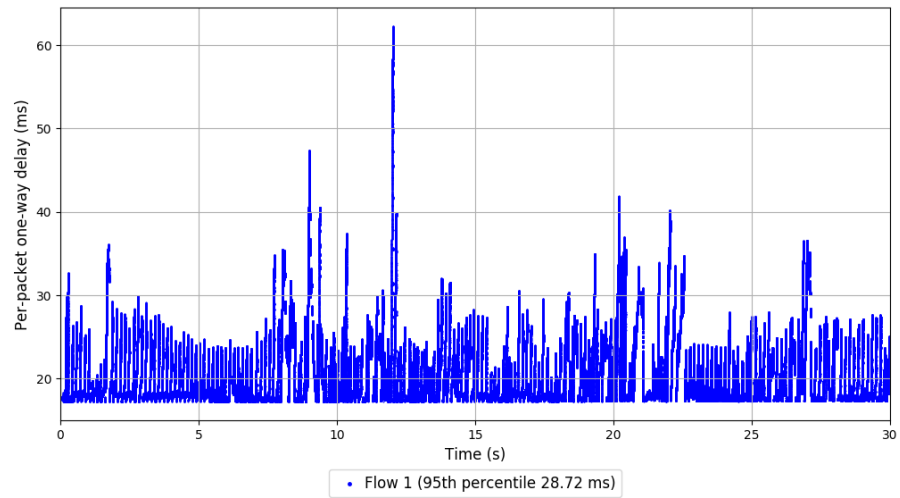
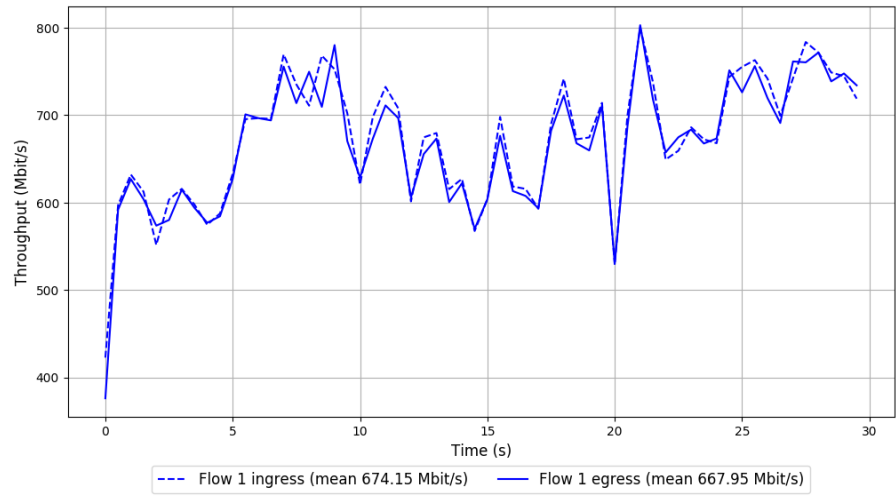
-- Flow 1:

Average throughput: 667.95 Mbit/s

95th percentile per-packet one-way delay: 28.719 ms

Loss rate: 0.91%

Run 5: Report of TCP BBR — Data Link

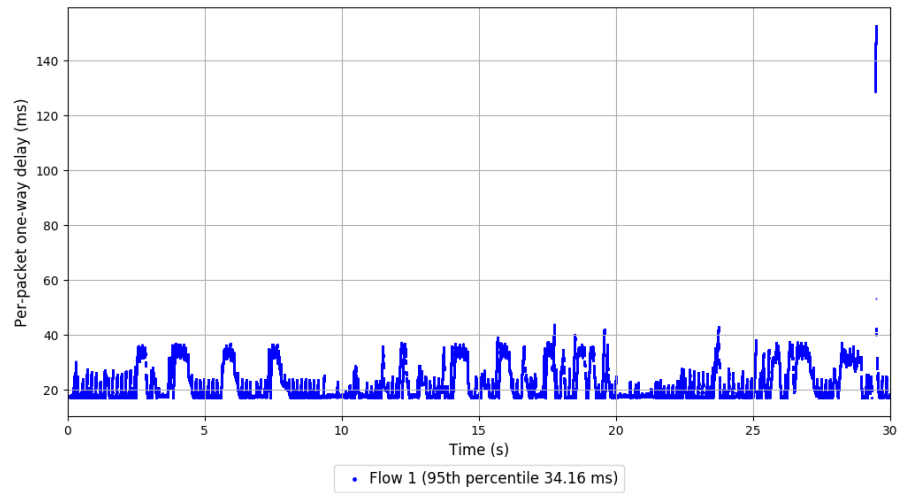
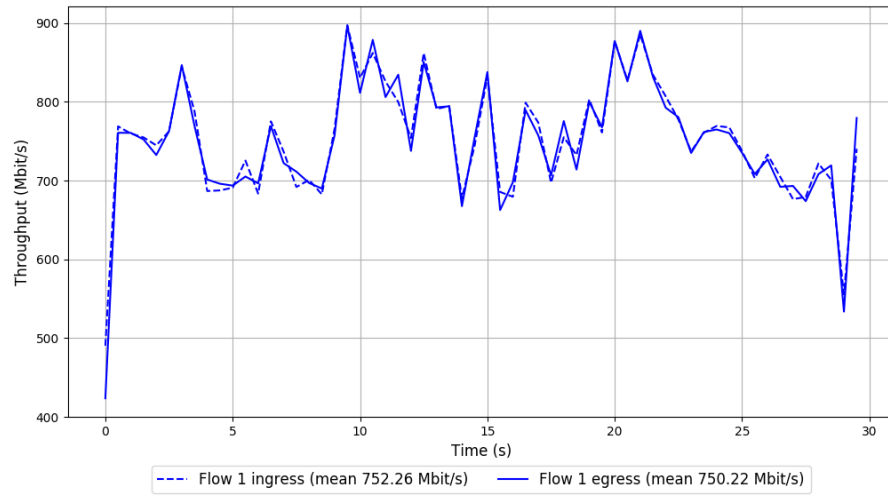


Run 6: Statistics of TCP BBR

Start at: 2018-02-16 04:37:31
End at: 2018-02-16 04:38:01
Local clock offset: 0.923 ms
Remote clock offset: -6.553 ms

Below is generated by plot.py at 2018-02-16 08:53:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 750.22 Mbit/s
95th percentile per-packet one-way delay: 34.159 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 750.22 Mbit/s
95th percentile per-packet one-way delay: 34.159 ms
Loss rate: 0.27%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-02-16 05:02:45

End at: 2018-02-16 05:03:15

Local clock offset: 0.882 ms

Remote clock offset: -5.404 ms

Below is generated by plot.py at 2018-02-16 08:53:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 729.72 Mbit/s

95th percentile per-packet one-way delay: 33.136 ms

Loss rate: 0.80%

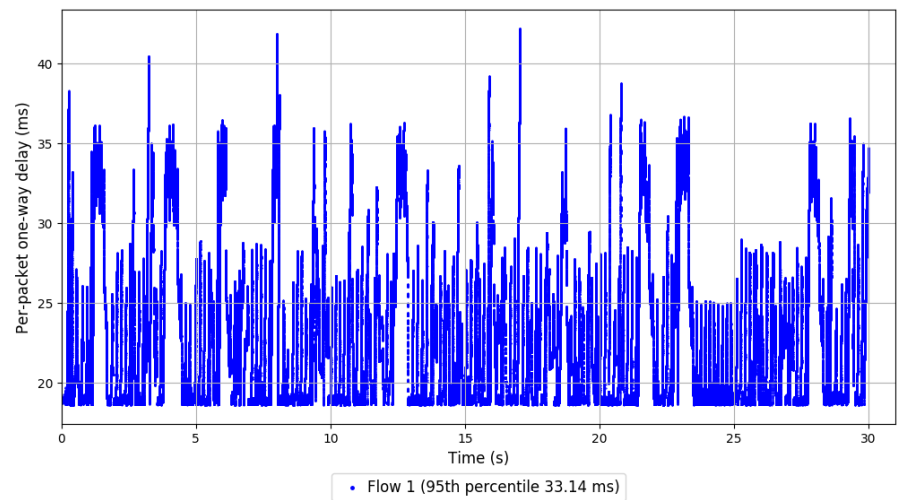
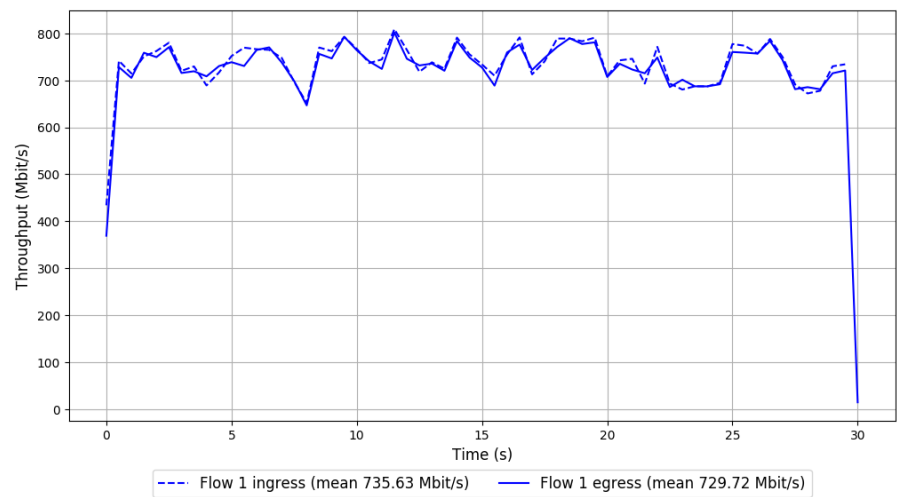
-- Flow 1:

Average throughput: 729.72 Mbit/s

95th percentile per-packet one-way delay: 33.136 ms

Loss rate: 0.80%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-02-16 05:28:35

End at: 2018-02-16 05:29:05

Local clock offset: 1.126 ms

Remote clock offset: -5.402 ms

Below is generated by plot.py at 2018-02-16 08:53:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 728.44 Mbit/s

95th percentile per-packet one-way delay: 33.515 ms

Loss rate: 0.91%

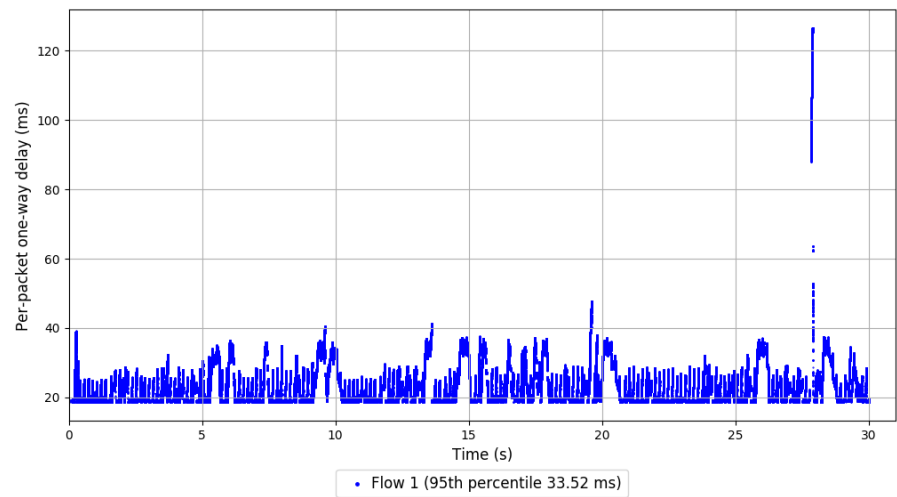
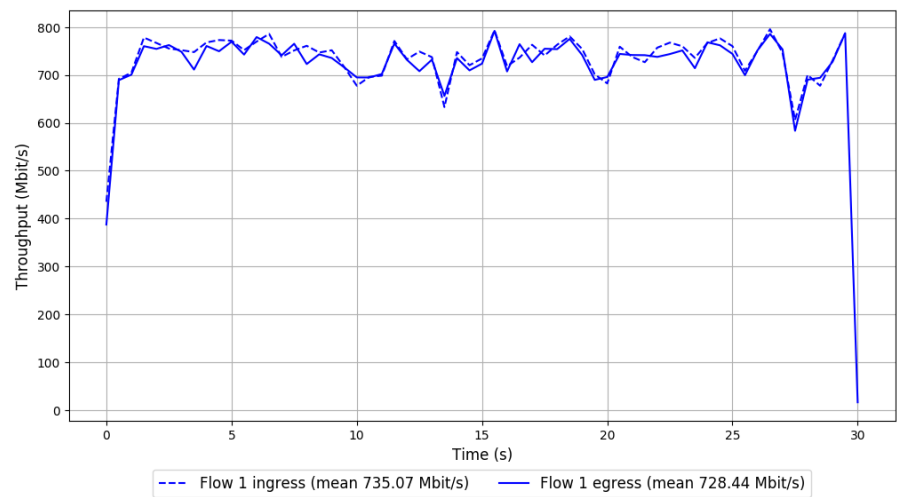
-- Flow 1:

Average throughput: 728.44 Mbit/s

95th percentile per-packet one-way delay: 33.515 ms

Loss rate: 0.91%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-02-16 05:53:34

End at: 2018-02-16 05:54:04

Local clock offset: 2.483 ms

Remote clock offset: -5.467 ms

Below is generated by plot.py at 2018-02-16 09:03:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 791.81 Mbit/s

95th percentile per-packet one-way delay: 32.568 ms

Loss rate: 0.16%

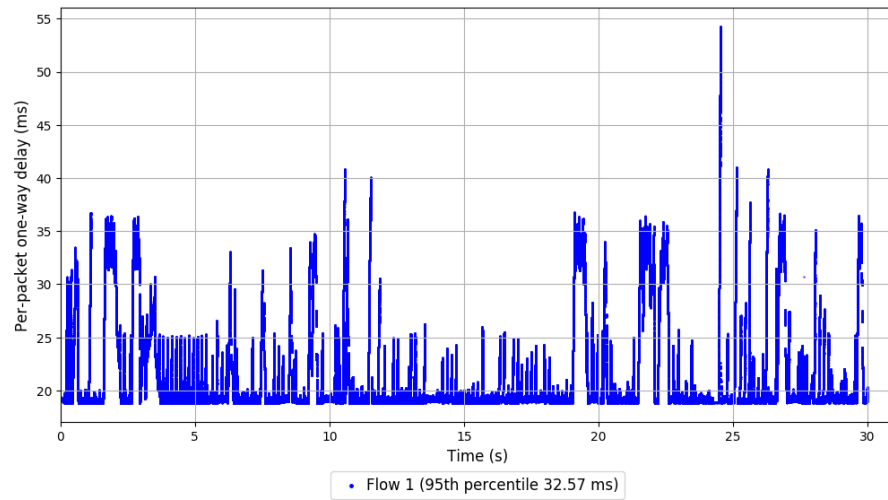
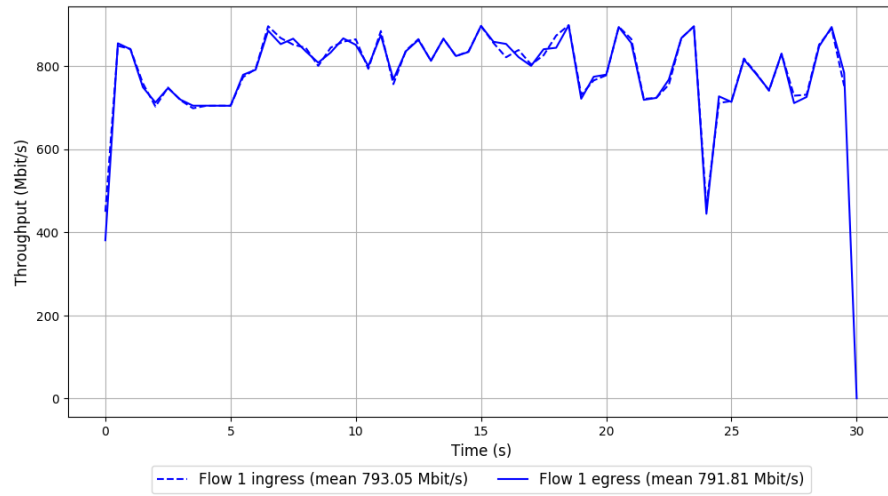
-- Flow 1:

Average throughput: 791.81 Mbit/s

95th percentile per-packet one-way delay: 32.568 ms

Loss rate: 0.16%

Run 9: Report of TCP BBR — Data Link

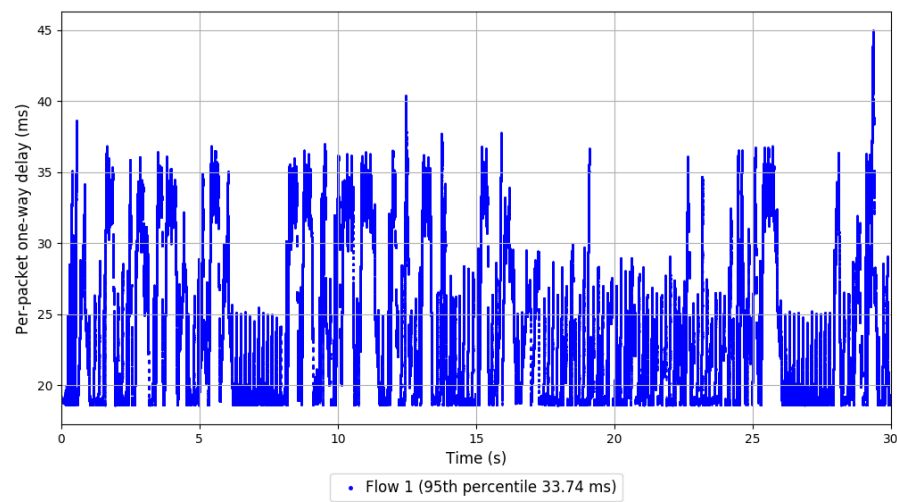
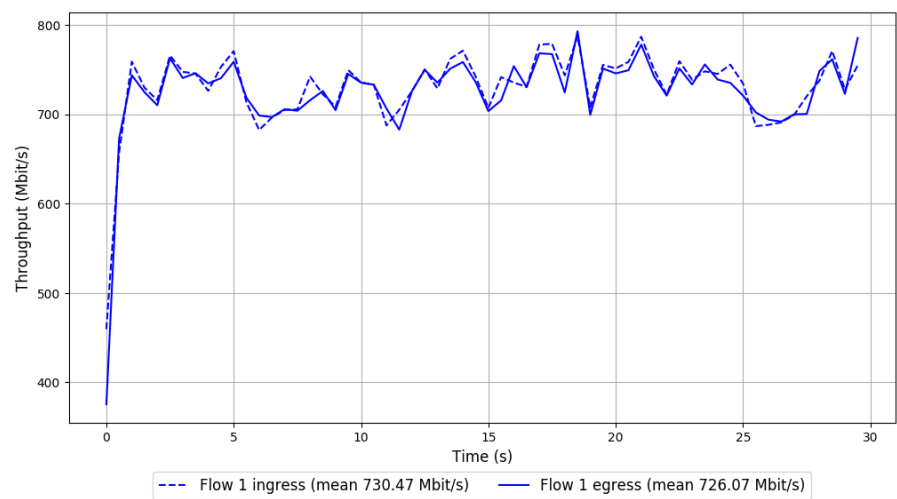


Run 10: Statistics of TCP BBR

Start at: 2018-02-16 06:19:11
End at: 2018-02-16 06:19:41
Local clock offset: 2.761 ms
Remote clock offset: -6.366 ms

Below is generated by plot.py at 2018-02-16 09:03:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 726.07 Mbit/s
95th percentile per-packet one-way delay: 33.745 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 726.07 Mbit/s
95th percentile per-packet one-way delay: 33.745 ms
Loss rate: 0.60%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-02-16 02:20:56

End at: 2018-02-16 02:21:26

Local clock offset: 0.395 ms

Remote clock offset: -4.41 ms

Below is generated by plot.py at 2018-02-16 09:03:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.44 Mbit/s

95th percentile per-packet one-way delay: 19.321 ms

Loss rate: 0.01%

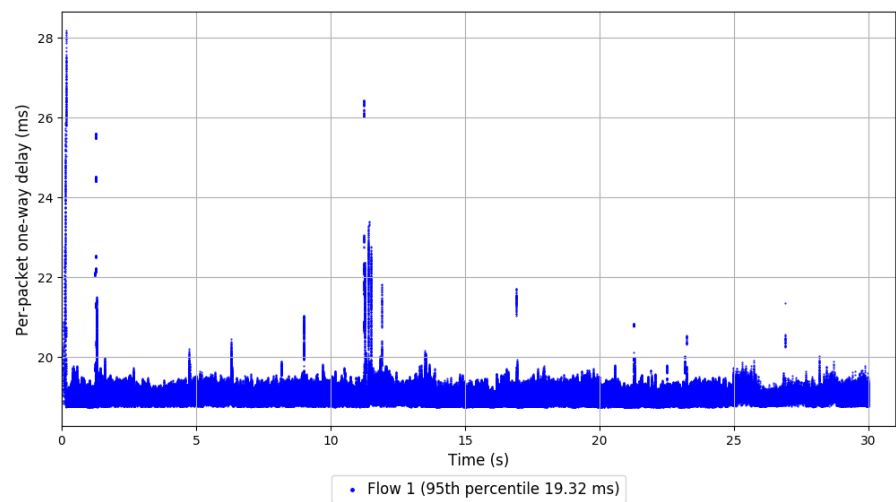
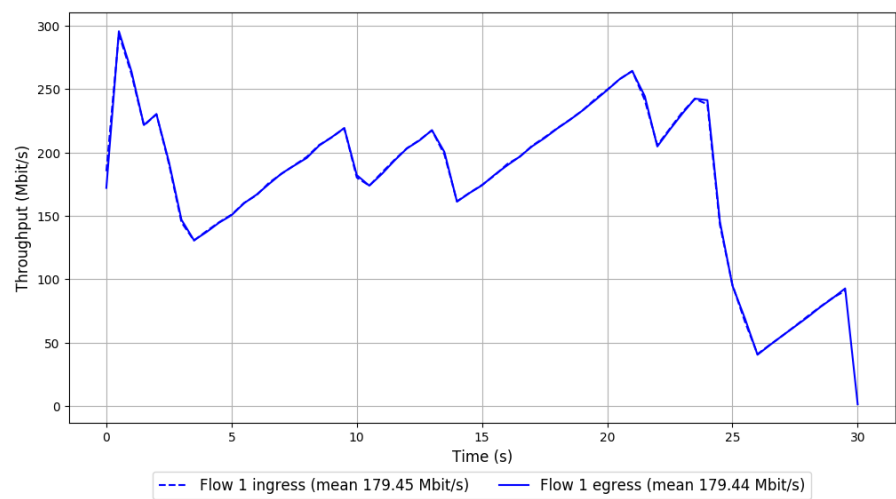
-- Flow 1:

Average throughput: 179.44 Mbit/s

95th percentile per-packet one-way delay: 19.321 ms

Loss rate: 0.01%

Run 1: Report of TCP Cubic — Data Link

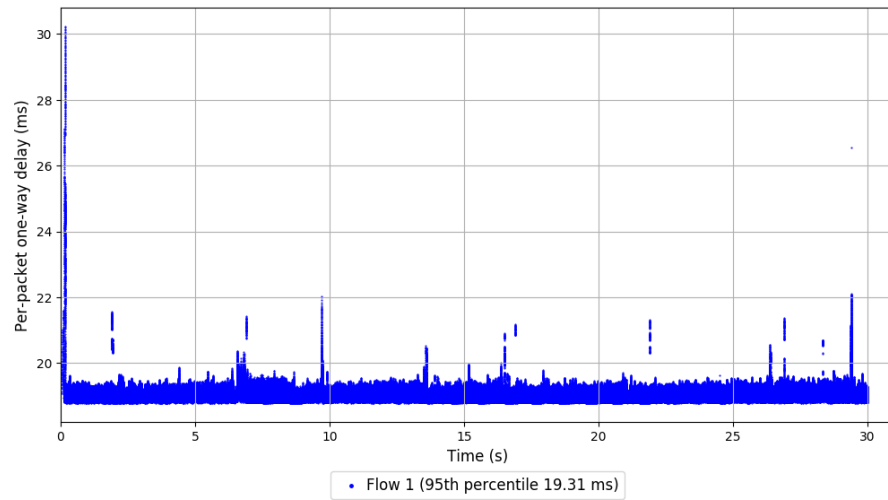
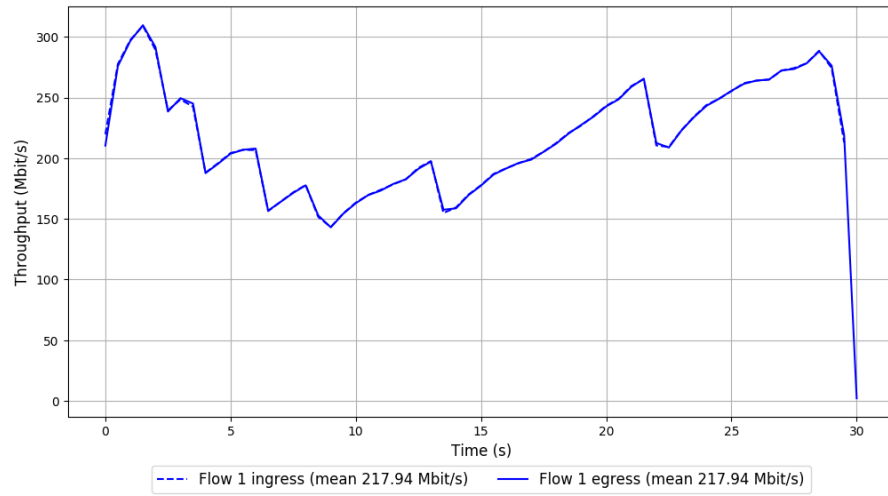


Run 2: Statistics of TCP Cubic

Start at: 2018-02-16 02:45:50
End at: 2018-02-16 02:46:21
Local clock offset: 0.463 ms
Remote clock offset: -5.136 ms

Below is generated by plot.py at 2018-02-16 09:03:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.94 Mbit/s
95th percentile per-packet one-way delay: 19.313 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 217.94 Mbit/s
95th percentile per-packet one-way delay: 19.313 ms
Loss rate: 0.01%

Run 2: Report of TCP Cubic — Data Link

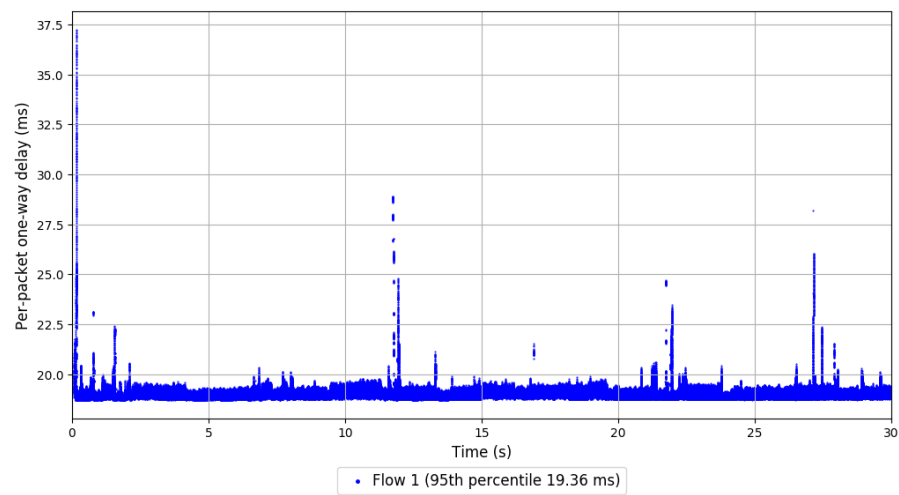
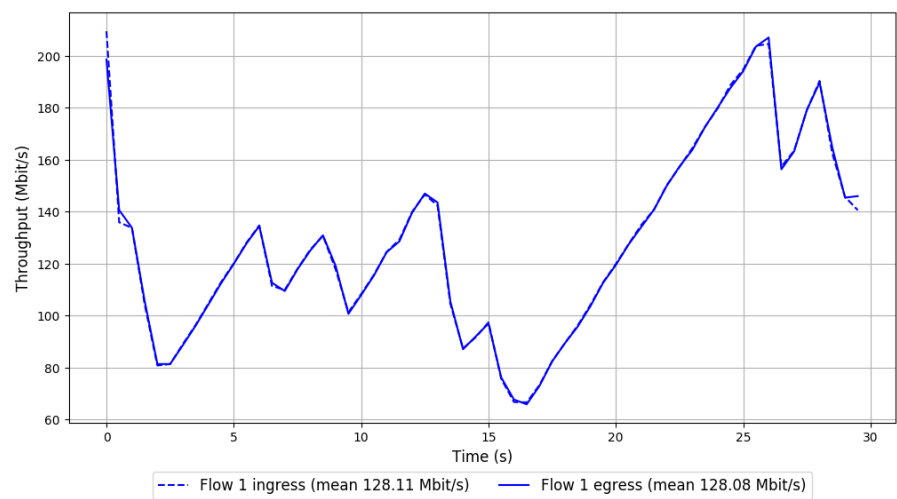


Run 3: Statistics of TCP Cubic

Start at: 2018-02-16 03:11:05
End at: 2018-02-16 03:11:35
Local clock offset: 0.95 ms
Remote clock offset: -5.757 ms

Below is generated by plot.py at 2018-02-16 09:03:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 128.08 Mbit/s
95th percentile per-packet one-way delay: 19.357 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 128.08 Mbit/s
95th percentile per-packet one-way delay: 19.357 ms
Loss rate: 0.02%

Run 3: Report of TCP Cubic — Data Link

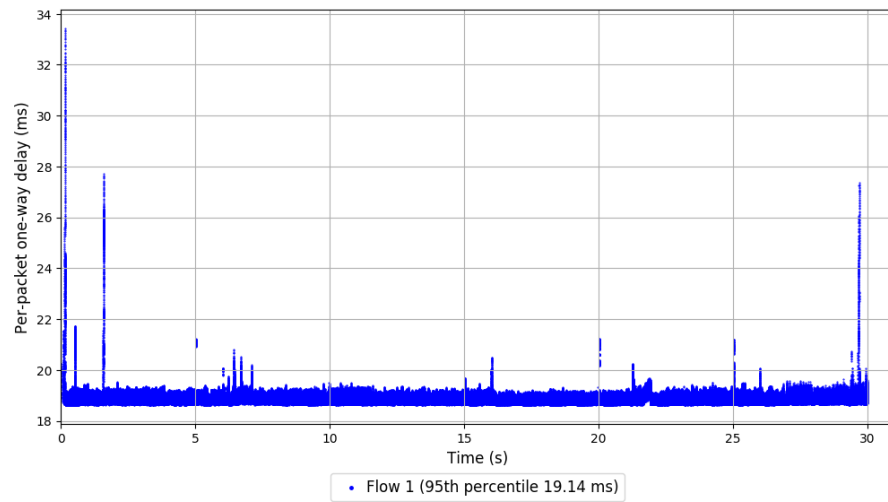
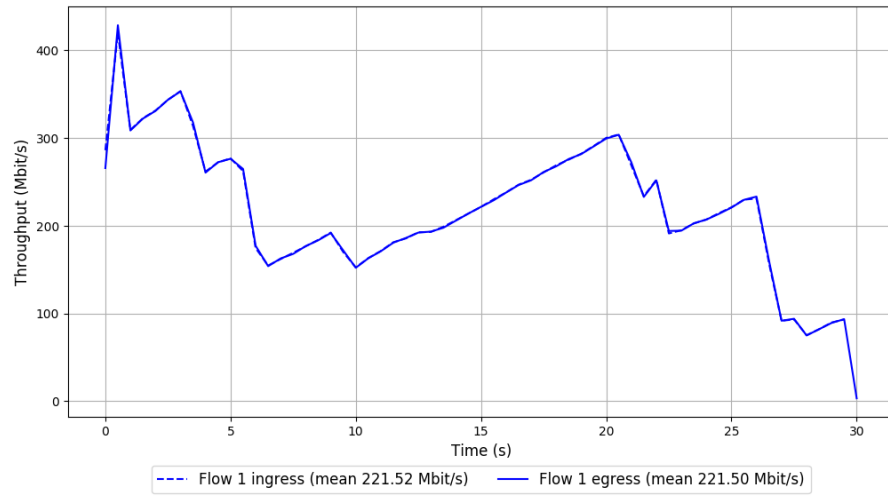


Run 4: Statistics of TCP Cubic

Start at: 2018-02-16 03:36:00
End at: 2018-02-16 03:36:30
Local clock offset: 0.729 ms
Remote clock offset: -6.388 ms

Below is generated by plot.py at 2018-02-16 09:03:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.50 Mbit/s
95th percentile per-packet one-way delay: 19.144 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 221.50 Mbit/s
95th percentile per-packet one-way delay: 19.144 ms
Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link

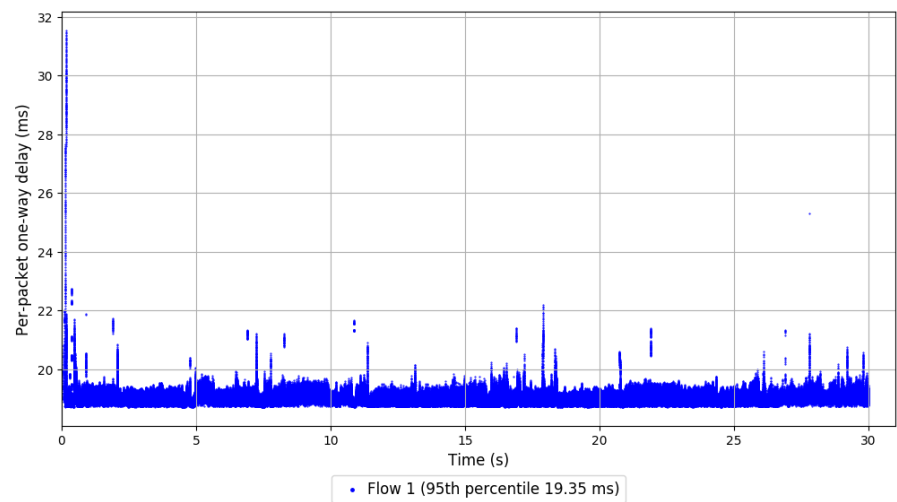
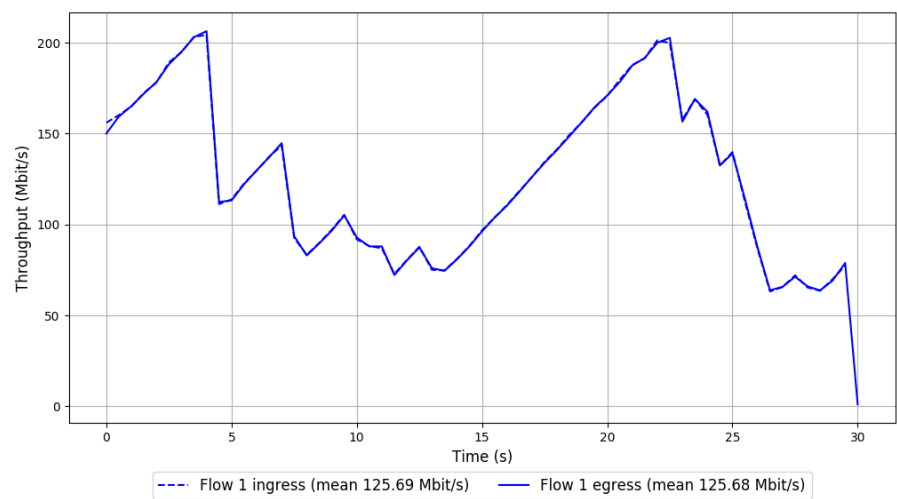


Run 5: Statistics of TCP Cubic

Start at: 2018-02-16 04:01:05
End at: 2018-02-16 04:01:35
Local clock offset: 0.72 ms
Remote clock offset: -5.284 ms

Below is generated by plot.py at 2018-02-16 09:03:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 125.68 Mbit/s
95th percentile per-packet one-way delay: 19.349 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 125.68 Mbit/s
95th percentile per-packet one-way delay: 19.349 ms
Loss rate: 0.02%

Run 5: Report of TCP Cubic — Data Link

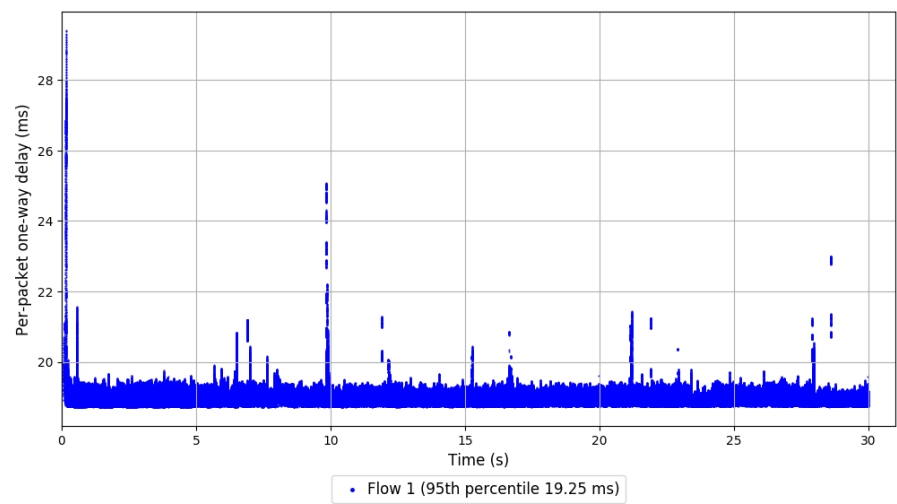
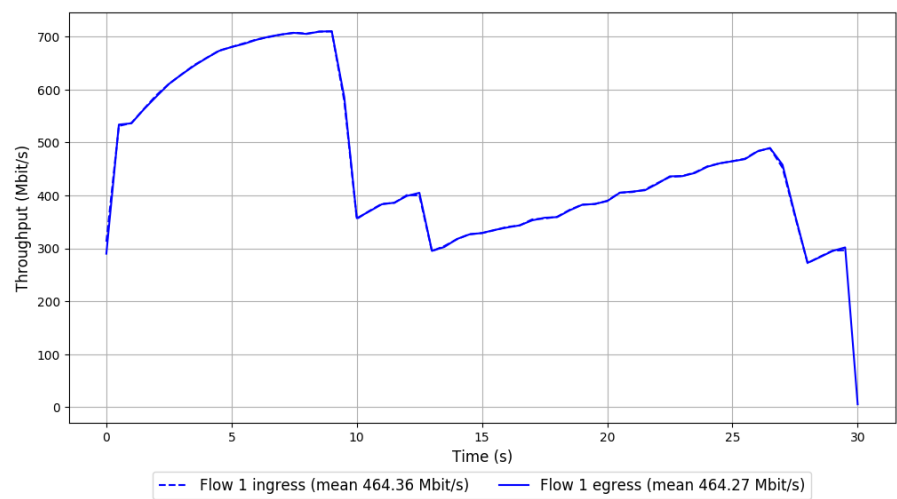


Run 6: Statistics of TCP Cubic

Start at: 2018-02-16 04:26:05
End at: 2018-02-16 04:26:35
Local clock offset: 0.783 ms
Remote clock offset: -6.259 ms

Below is generated by plot.py at 2018-02-16 09:03:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 464.27 Mbit/s
95th percentile per-packet one-way delay: 19.245 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 464.27 Mbit/s
95th percentile per-packet one-way delay: 19.245 ms
Loss rate: 0.02%

Run 6: Report of TCP Cubic — Data Link

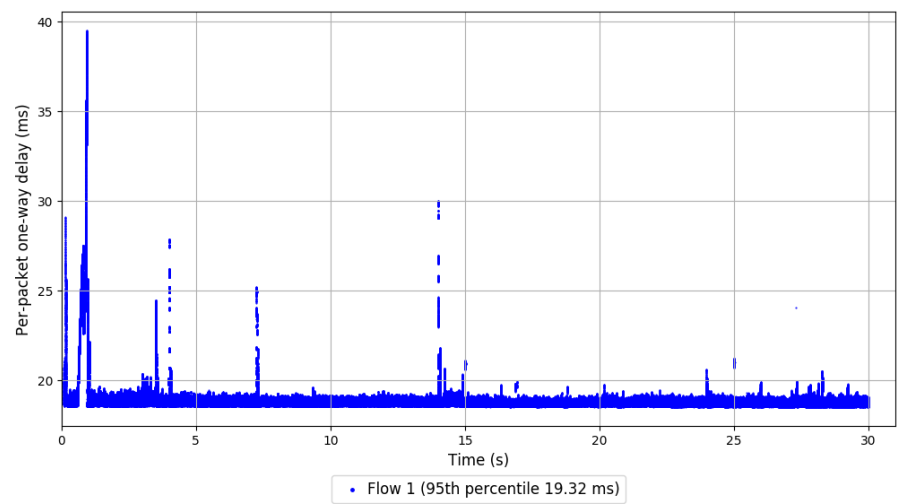
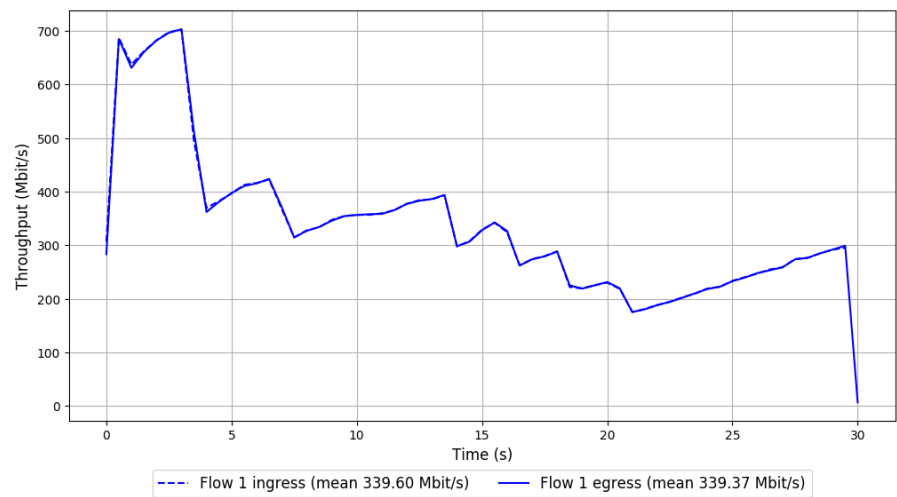


Run 7: Statistics of TCP Cubic

Start at: 2018-02-16 04:51:21
End at: 2018-02-16 04:51:51
Local clock offset: 0.89 ms
Remote clock offset: -6.134 ms

Below is generated by plot.py at 2018-02-16 09:03:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 339.37 Mbit/s
95th percentile per-packet one-way delay: 19.315 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 339.37 Mbit/s
95th percentile per-packet one-way delay: 19.315 ms
Loss rate: 0.07%

Run 7: Report of TCP Cubic — Data Link

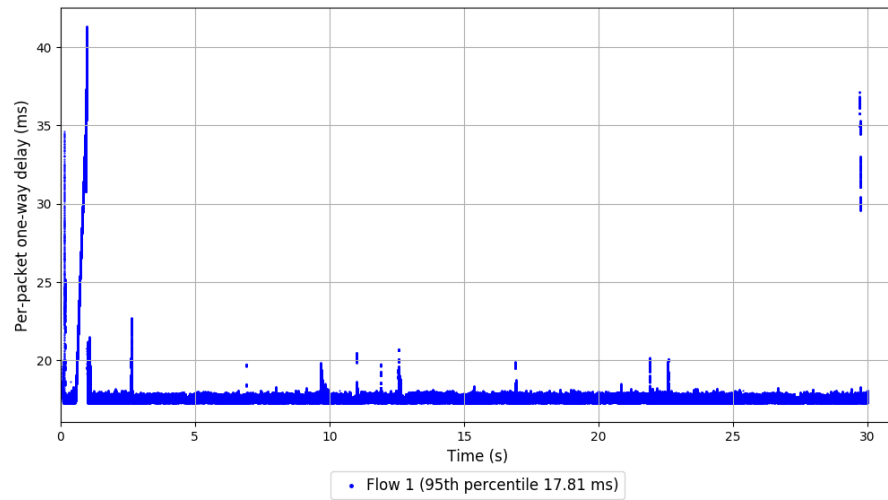
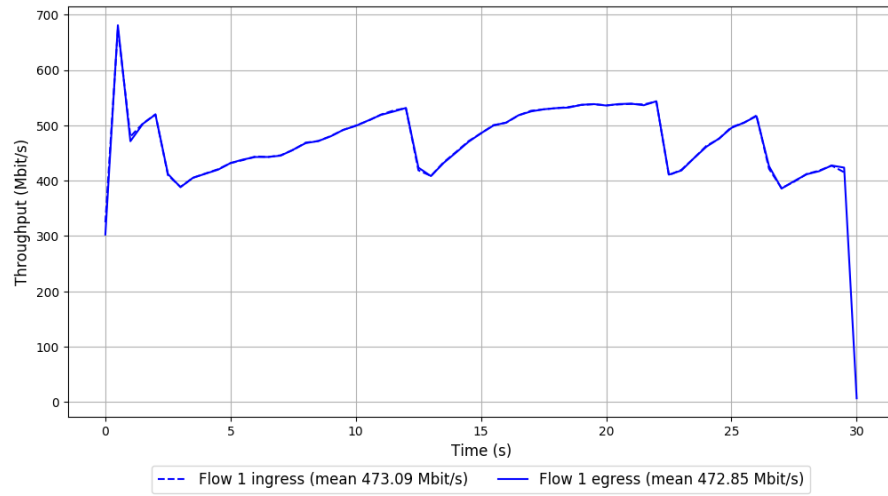


Run 8: Statistics of TCP Cubic

Start at: 2018-02-16 05:17:02
End at: 2018-02-16 05:17:32
Local clock offset: 0.986 ms
Remote clock offset: -5.221 ms

Below is generated by plot.py at 2018-02-16 09:03:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 472.85 Mbit/s
95th percentile per-packet one-way delay: 17.810 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 472.85 Mbit/s
95th percentile per-packet one-way delay: 17.810 ms
Loss rate: 0.05%

Run 8: Report of TCP Cubic — Data Link

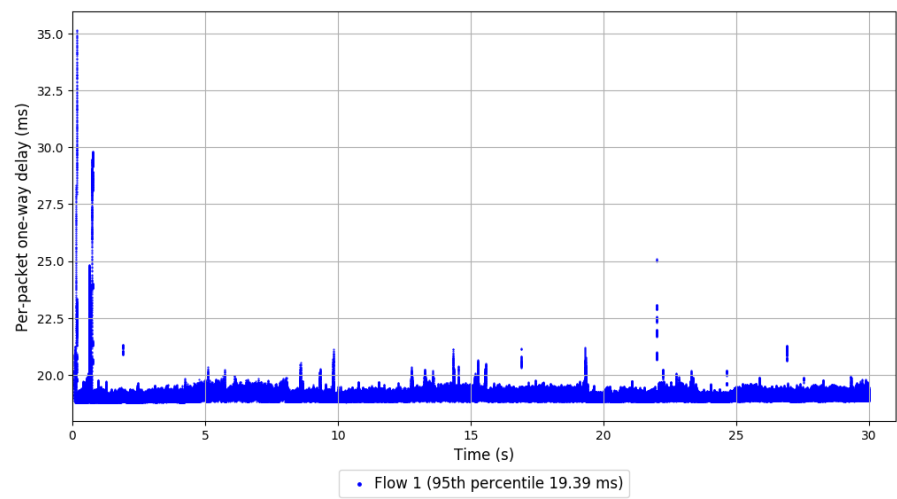
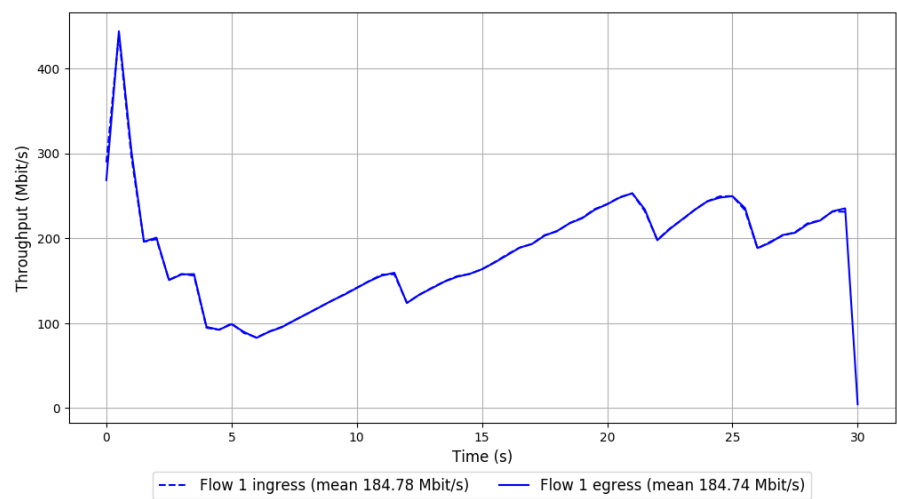


Run 9: Statistics of TCP Cubic

Start at: 2018-02-16 05:42:15
End at: 2018-02-16 05:42:45
Local clock offset: 1.681 ms
Remote clock offset: -5.515 ms

Below is generated by plot.py at 2018-02-16 09:03:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 184.74 Mbit/s
95th percentile per-packet one-way delay: 19.387 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 184.74 Mbit/s
95th percentile per-packet one-way delay: 19.387 ms
Loss rate: 0.03%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-02-16 06:07:26

End at: 2018-02-16 06:07:56

Local clock offset: 3.021 ms

Remote clock offset: -6.168 ms

Below is generated by plot.py at 2018-02-16 09:03:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 386.04 Mbit/s

95th percentile per-packet one-way delay: 19.146 ms

Loss rate: 0.03%

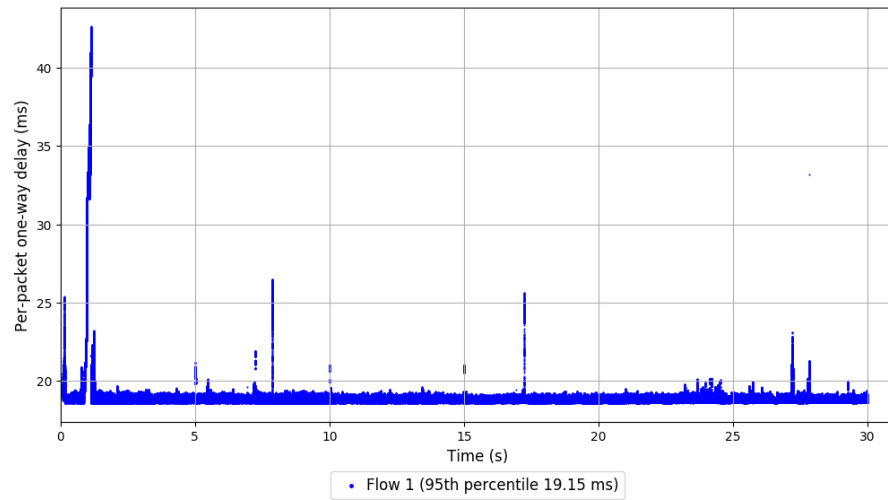
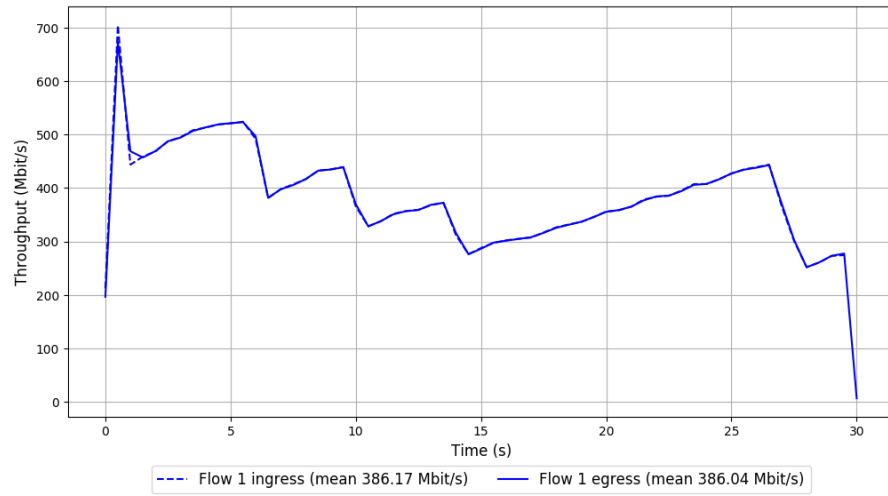
-- Flow 1:

Average throughput: 386.04 Mbit/s

95th percentile per-packet one-way delay: 19.146 ms

Loss rate: 0.03%

Run 10: Report of TCP Cubic — Data Link

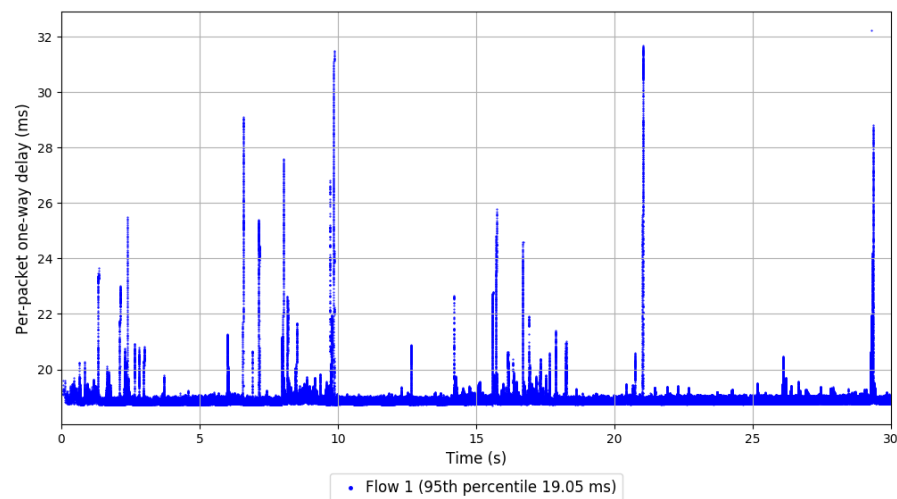
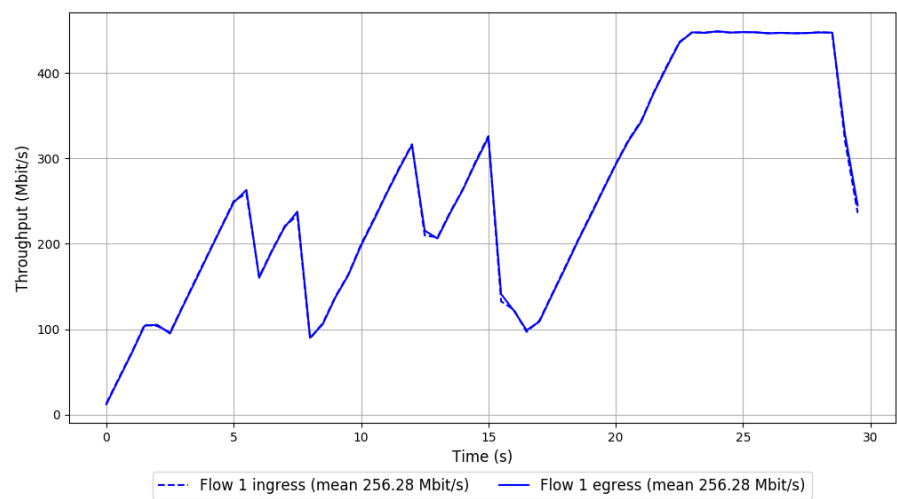


```
Run 1: Statistics of LEDBAT

Start at: 2018-02-16 02:33:46
End at: 2018-02-16 02:34:16
Local clock offset: 0.545 ms
Remote clock offset: -4.569 ms

# Below is generated by plot.py at 2018-02-16 09:03:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 256.28 Mbit/s
95th percentile per-packet one-way delay: 19.047 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 256.28 Mbit/s
95th percentile per-packet one-way delay: 19.047 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

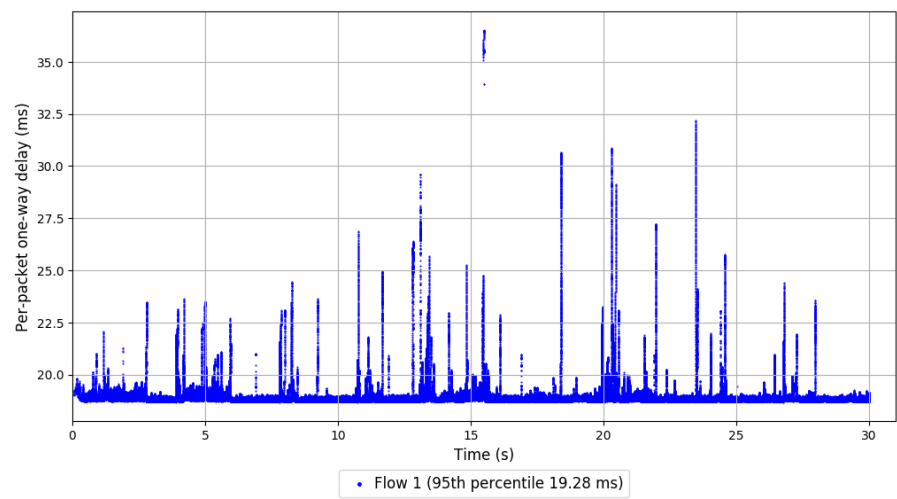
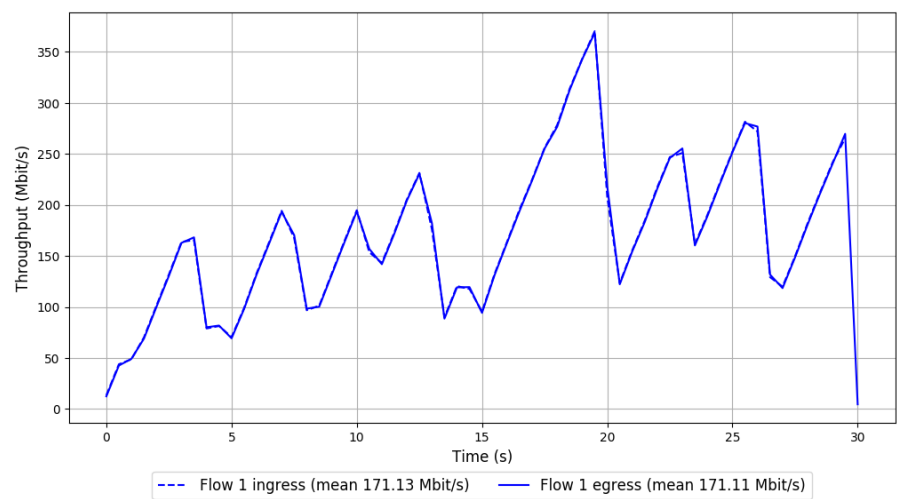


Run 2: Statistics of LEDBAT

Start at: 2018-02-16 02:58:53
End at: 2018-02-16 02:59:23
Local clock offset: 0.741 ms
Remote clock offset: -5.379 ms

Below is generated by plot.py at 2018-02-16 09:03:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 171.11 Mbit/s
95th percentile per-packet one-way delay: 19.281 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 171.11 Mbit/s
95th percentile per-packet one-way delay: 19.281 ms
Loss rate: 0.01%

Run 2: Report of LEDBAT — Data Link

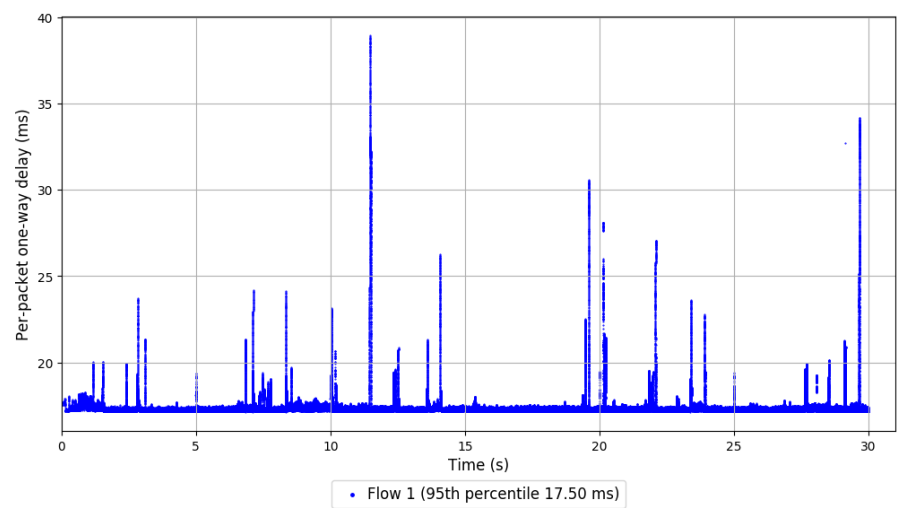
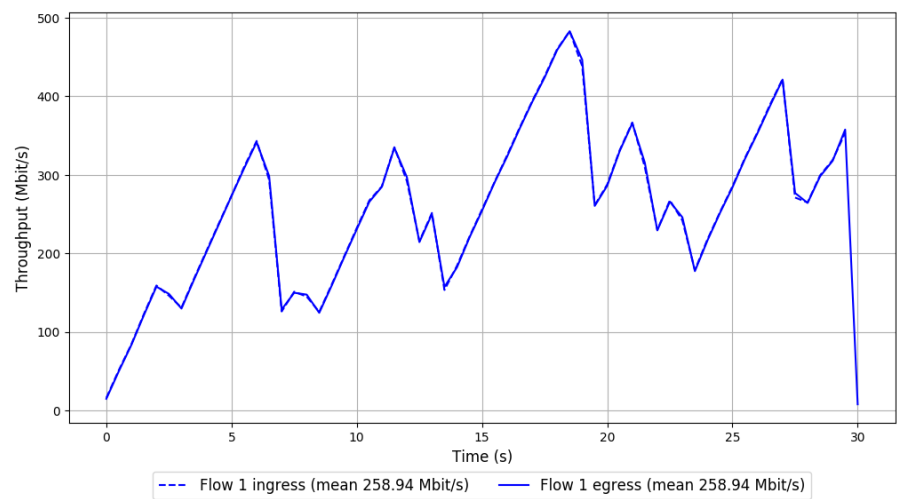


Run 3: Statistics of LEDBAT

Start at: 2018-02-16 03:23:56
End at: 2018-02-16 03:24:26
Local clock offset: 0.938 ms
Remote clock offset: -6.235 ms

Below is generated by plot.py at 2018-02-16 09:03:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 258.94 Mbit/s
95th percentile per-packet one-way delay: 17.499 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 258.94 Mbit/s
95th percentile per-packet one-way delay: 17.499 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

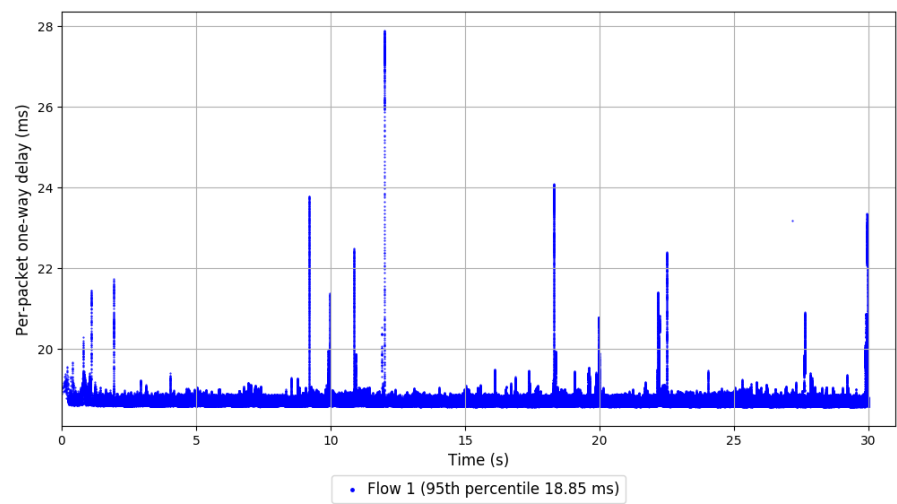
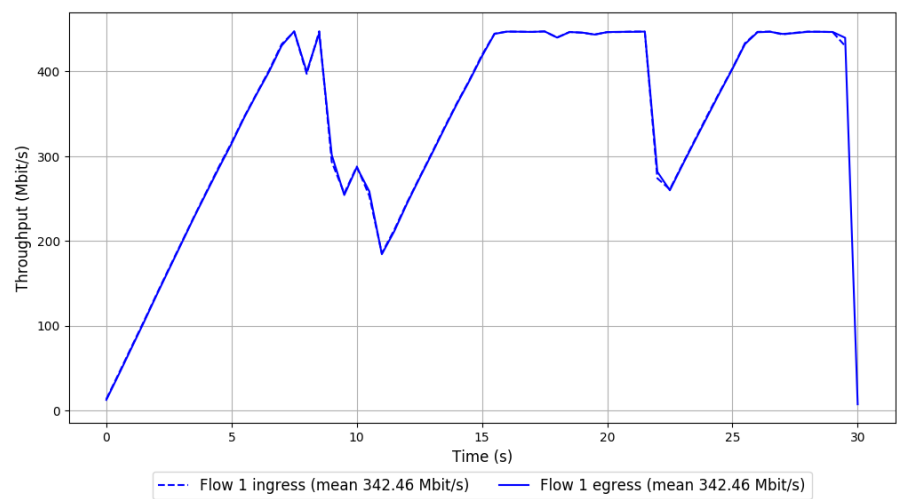


Run 4: Statistics of LEDBAT

Start at: 2018-02-16 03:48:56
End at: 2018-02-16 03:49:26
Local clock offset: 0.697 ms
Remote clock offset: -5.645 ms

Below is generated by plot.py at 2018-02-16 09:04:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 342.46 Mbit/s
95th percentile per-packet one-way delay: 18.852 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 342.46 Mbit/s
95th percentile per-packet one-way delay: 18.852 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

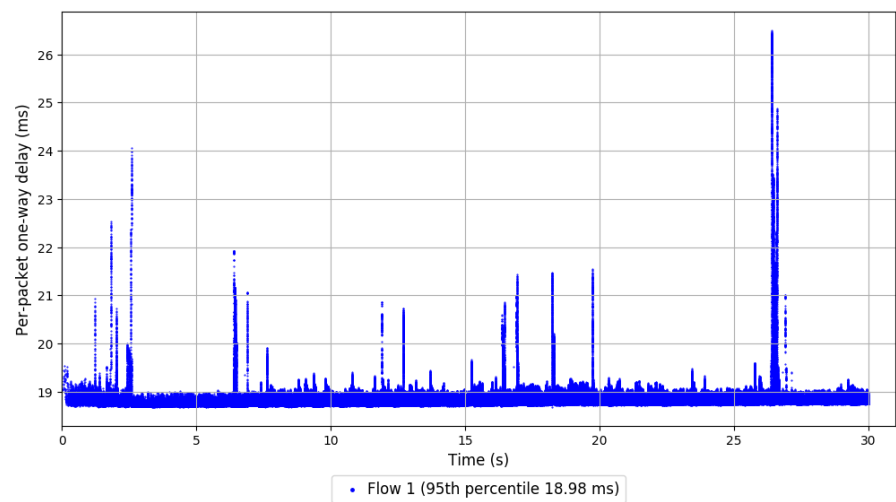
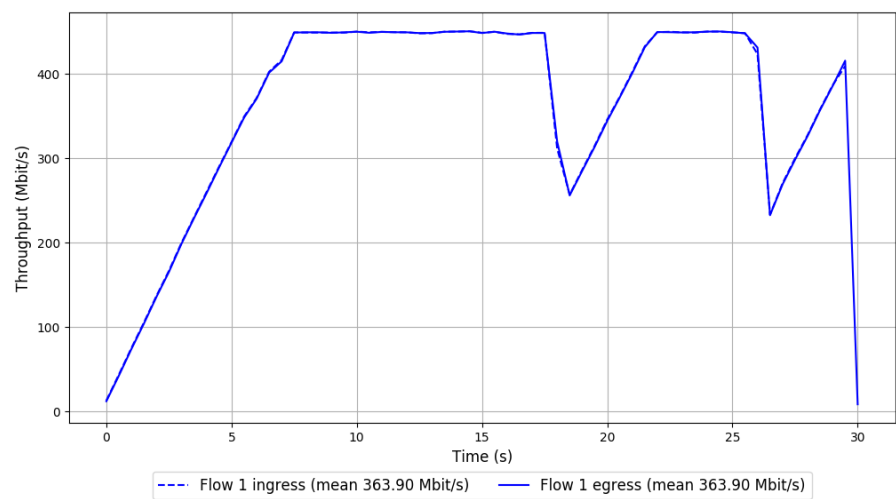


Run 5: Statistics of LEDBAT

Start at: 2018-02-16 04:13:59
End at: 2018-02-16 04:14:29
Local clock offset: 0.81 ms
Remote clock offset: -5.424 ms

Below is generated by plot.py at 2018-02-16 09:05:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 363.90 Mbit/s
95th percentile per-packet one-way delay: 18.981 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 363.90 Mbit/s
95th percentile per-packet one-way delay: 18.981 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

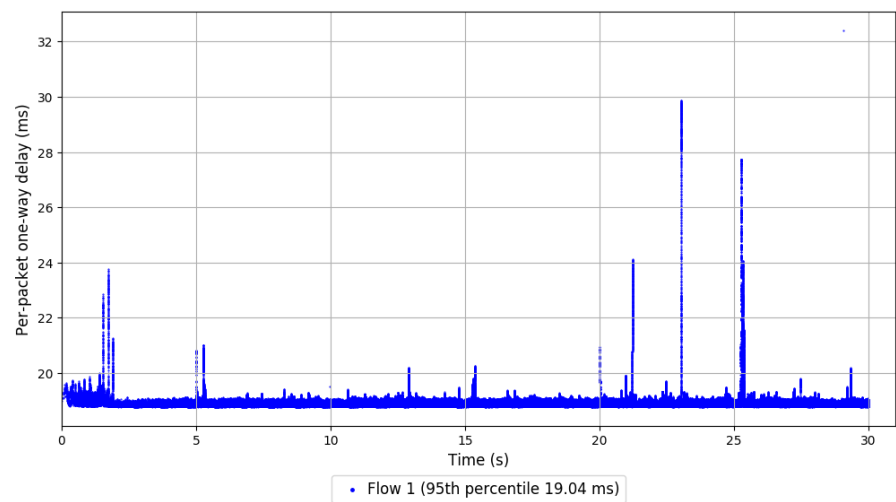
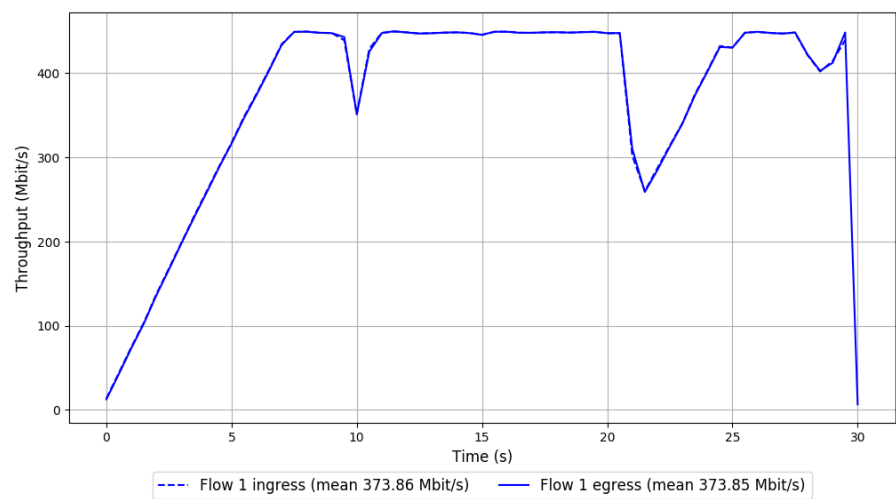


Run 6: Statistics of LEDBAT

Start at: 2018-02-16 04:39:10
End at: 2018-02-16 04:39:40
Local clock offset: 0.831 ms
Remote clock offset: -6.542 ms

Below is generated by plot.py at 2018-02-16 09:05:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 373.85 Mbit/s
95th percentile per-packet one-way delay: 19.037 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 373.85 Mbit/s
95th percentile per-packet one-way delay: 19.037 ms
Loss rate: 0.01%

Run 6: Report of LEDBAT — Data Link

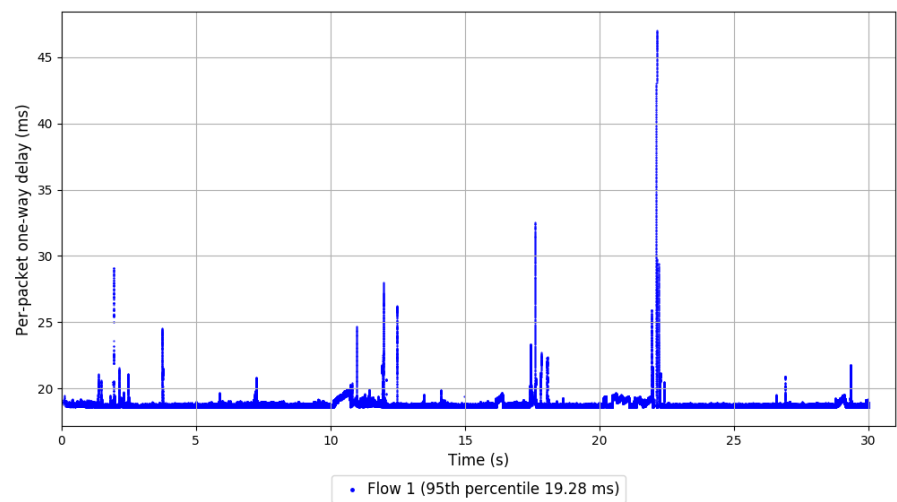
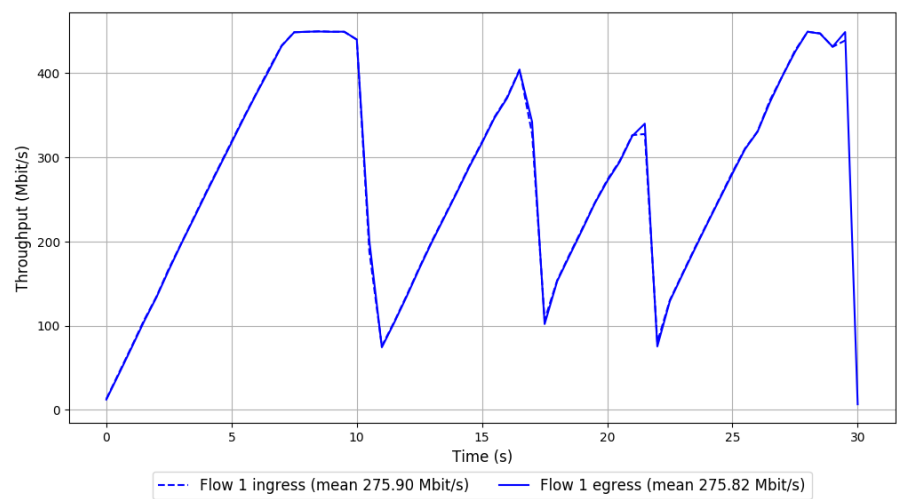


Run 7: Statistics of LEDBAT

Start at: 2018-02-16 05:04:23
End at: 2018-02-16 05:04:53
Local clock offset: 0.888 ms
Remote clock offset: -5.427 ms

Below is generated by plot.py at 2018-02-16 09:05:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 275.82 Mbit/s
95th percentile per-packet one-way delay: 19.277 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 275.82 Mbit/s
95th percentile per-packet one-way delay: 19.277 ms
Loss rate: 0.03%

Run 7: Report of LEDBAT — Data Link

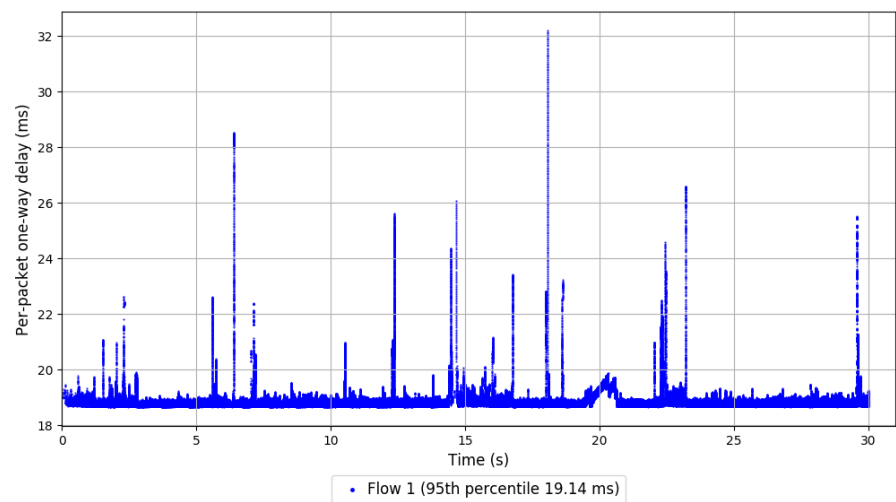
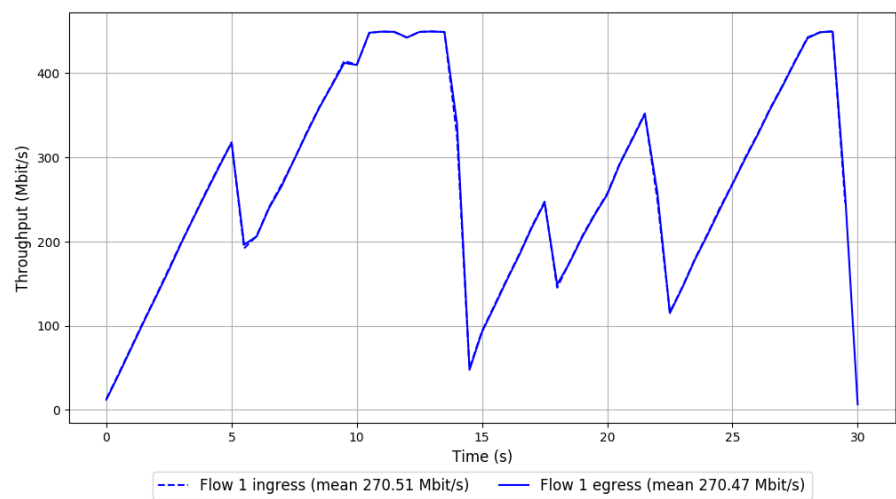


Run 8: Statistics of LEDBAT

Start at: 2018-02-16 05:30:12
End at: 2018-02-16 05:30:42
Local clock offset: 1.053 ms
Remote clock offset: -5.434 ms

Below is generated by plot.py at 2018-02-16 09:05:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 270.47 Mbit/s
95th percentile per-packet one-way delay: 19.145 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 270.47 Mbit/s
95th percentile per-packet one-way delay: 19.145 ms
Loss rate: 0.02%

Run 8: Report of LEDBAT — Data Link

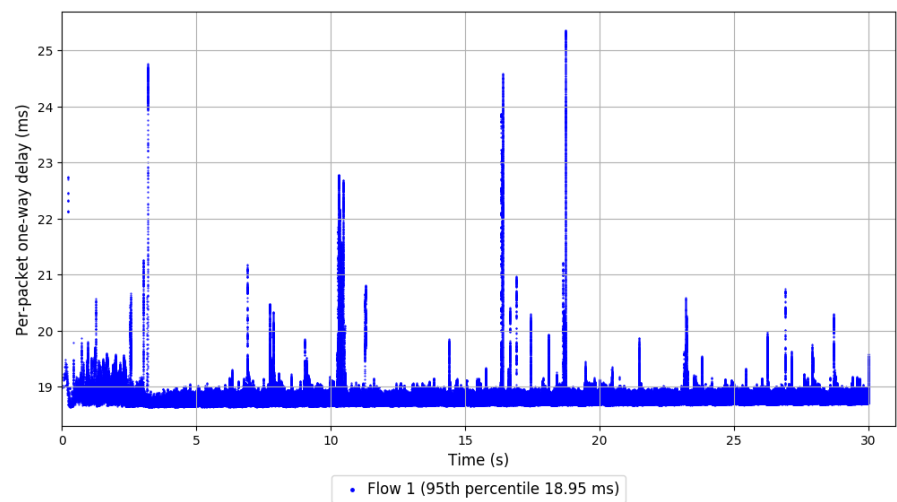
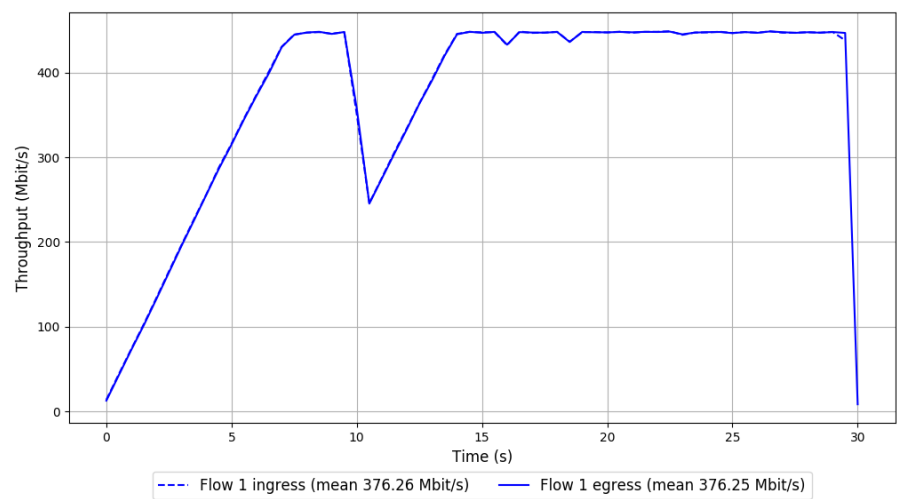


Run 9: Statistics of LEDBAT

Start at: 2018-02-16 05:55:13
End at: 2018-02-16 05:55:43
Local clock offset: 2.634 ms
Remote clock offset: -5.611 ms

Below is generated by plot.py at 2018-02-16 09:07:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 376.25 Mbit/s
95th percentile per-packet one-way delay: 18.952 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 376.25 Mbit/s
95th percentile per-packet one-way delay: 18.952 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-02-16 06:20:48

End at: 2018-02-16 06:21:18

Local clock offset: 2.664 ms

Remote clock offset: -6.405 ms

Below is generated by plot.py at 2018-02-16 09:08:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 388.84 Mbit/s

95th percentile per-packet one-way delay: 18.934 ms

Loss rate: 0.00%

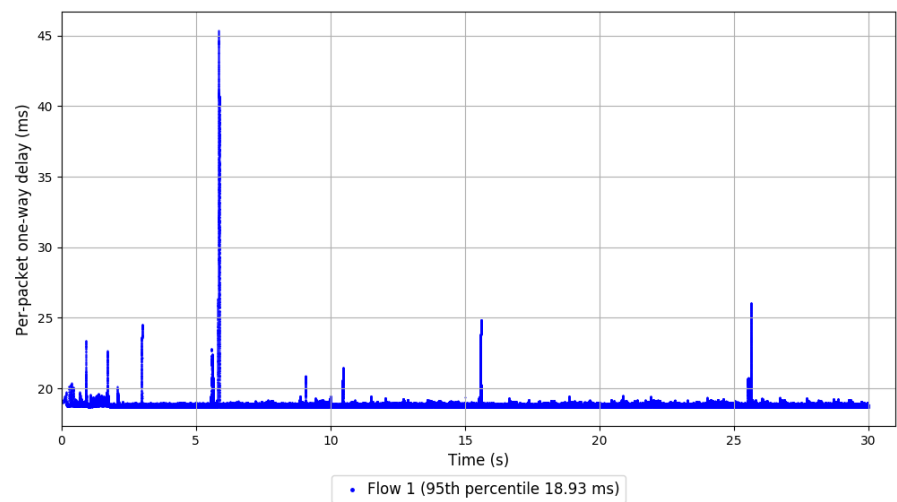
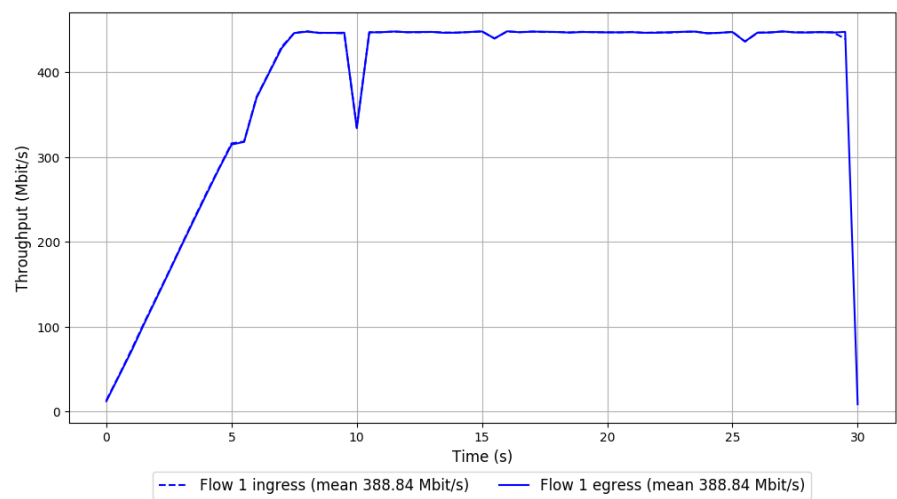
-- Flow 1:

Average throughput: 388.84 Mbit/s

95th percentile per-packet one-way delay: 18.934 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

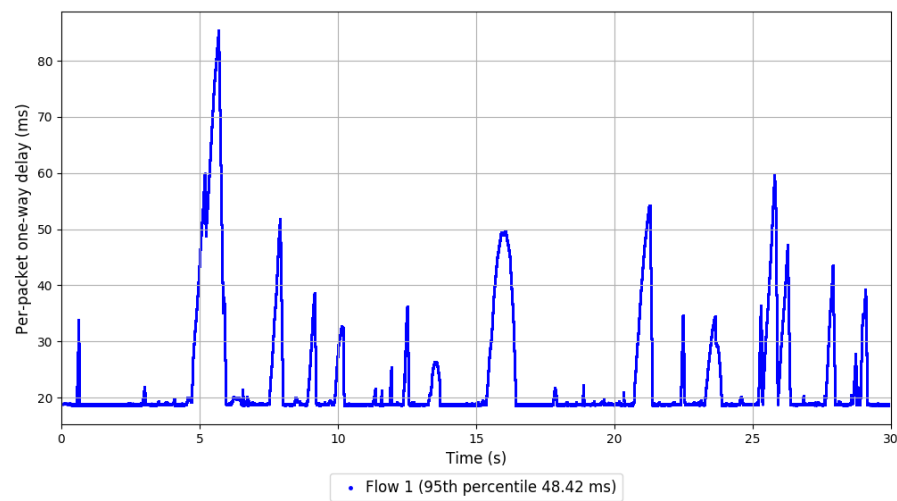
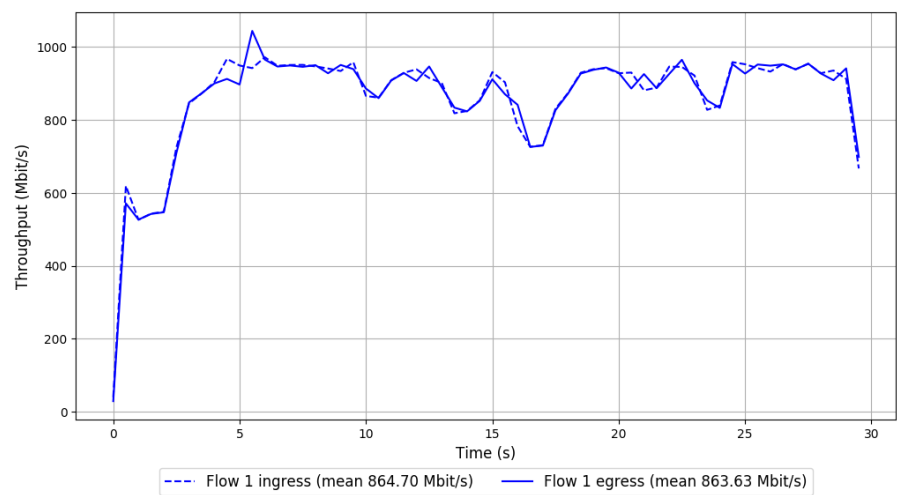


Run 1: Statistics of PCC

Start at: 2018-02-16 02:28:15
End at: 2018-02-16 02:28:45
Local clock offset: 0.533 ms
Remote clock offset: -4.243 ms

Below is generated by plot.py at 2018-02-16 09:15:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 863.63 Mbit/s
95th percentile per-packet one-way delay: 48.423 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 863.63 Mbit/s
95th percentile per-packet one-way delay: 48.423 ms
Loss rate: 0.13%

Run 1: Report of PCC — Data Link

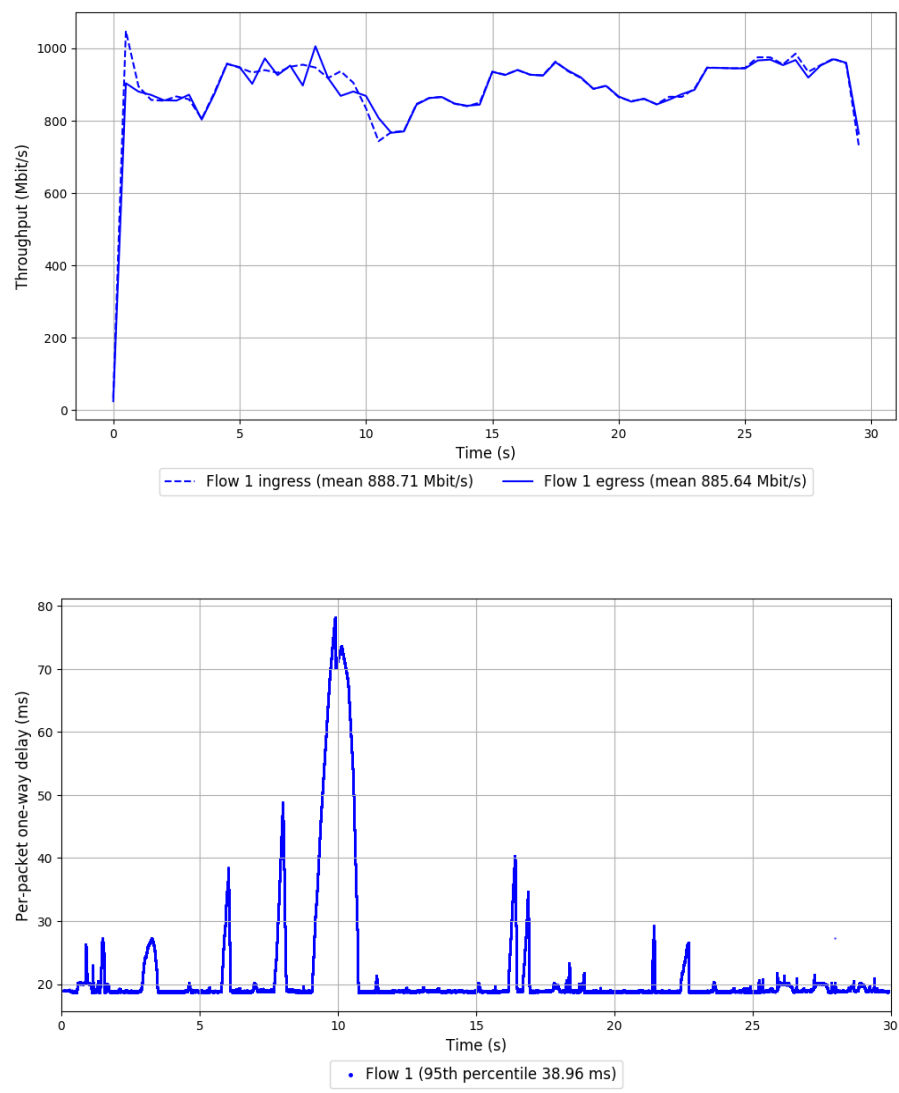


Run 2: Statistics of PCC

Start at: 2018-02-16 02:53:15
End at: 2018-02-16 02:53:45
Local clock offset: 0.732 ms
Remote clock offset: -5.262 ms

Below is generated by plot.py at 2018-02-16 09:16:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 885.64 Mbit/s
95th percentile per-packet one-way delay: 38.960 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 885.64 Mbit/s
95th percentile per-packet one-way delay: 38.960 ms
Loss rate: 0.35%

Run 2: Report of PCC — Data Link

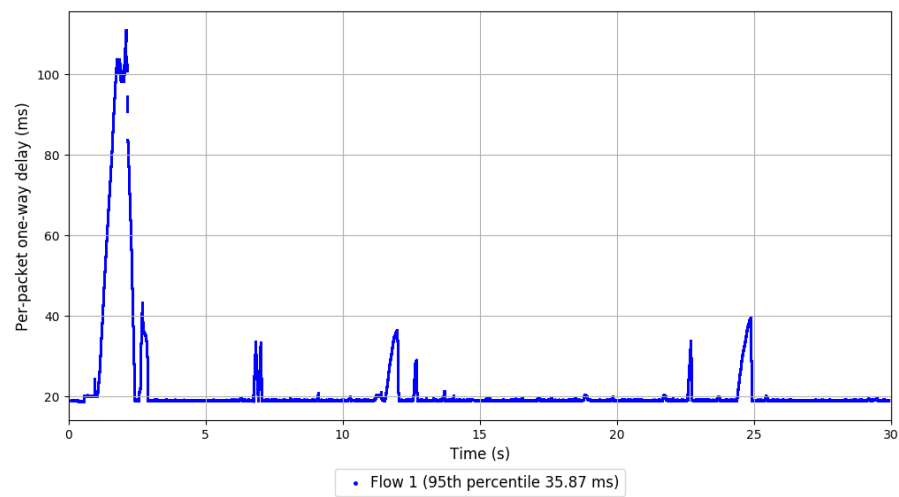
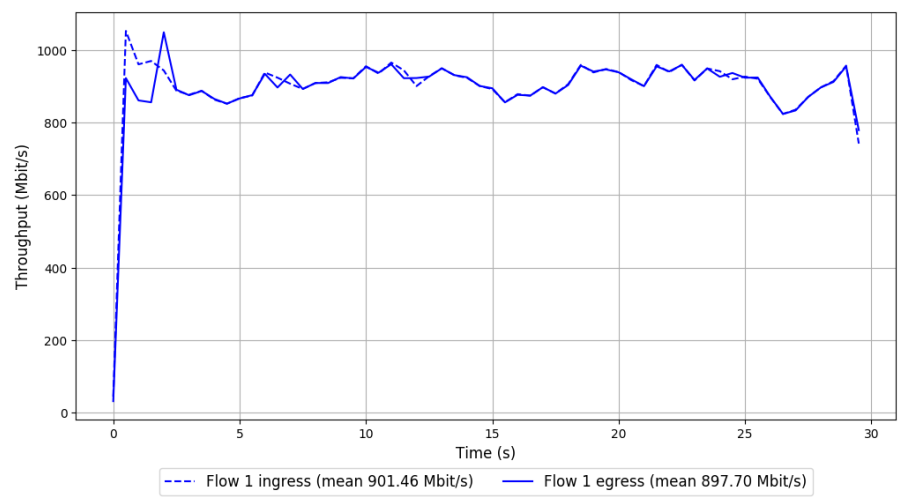


Run 3: Statistics of PCC

Start at: 2018-02-16 03:18:24
End at: 2018-02-16 03:18:54
Local clock offset: 0.948 ms
Remote clock offset: -6.129 ms

Below is generated by plot.py at 2018-02-16 09:17:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 897.70 Mbit/s
95th percentile per-packet one-way delay: 35.869 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 897.70 Mbit/s
95th percentile per-packet one-way delay: 35.869 ms
Loss rate: 0.42%

Run 3: Report of PCC — Data Link

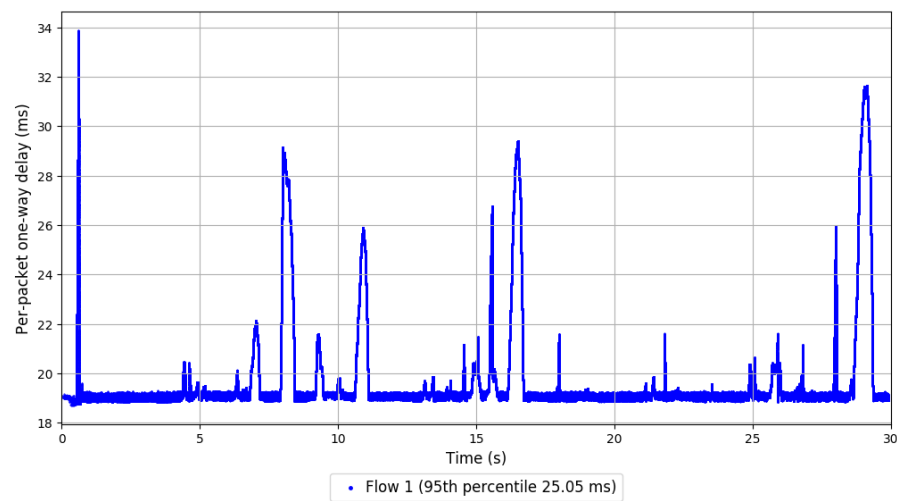
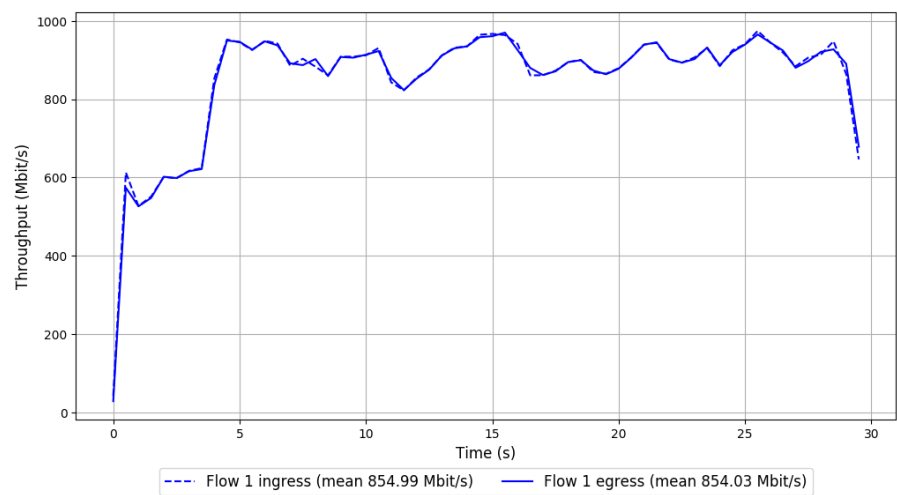


Run 4: Statistics of PCC

Start at: 2018-02-16 03:43:18
End at: 2018-02-16 03:43:48
Local clock offset: 0.604 ms
Remote clock offset: -5.872 ms

Below is generated by plot.py at 2018-02-16 09:17:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 854.03 Mbit/s
95th percentile per-packet one-way delay: 25.045 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 854.03 Mbit/s
95th percentile per-packet one-way delay: 25.045 ms
Loss rate: 0.11%

Run 4: Report of PCC — Data Link

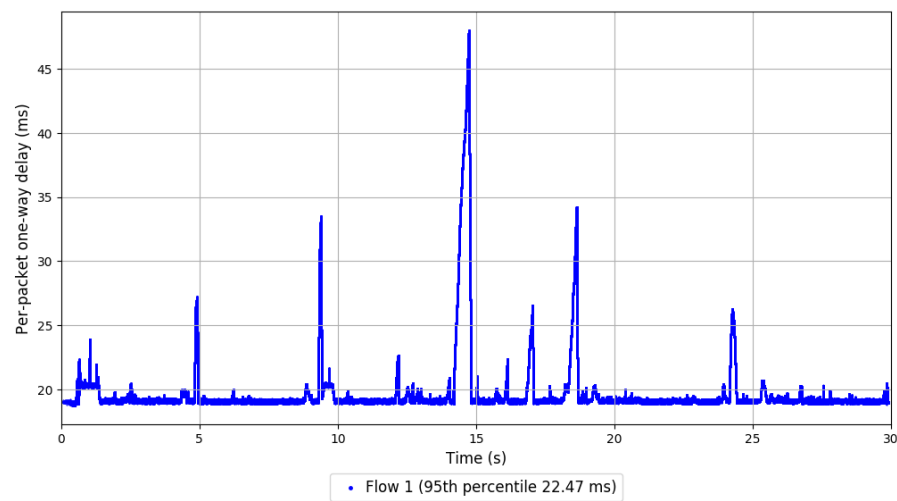
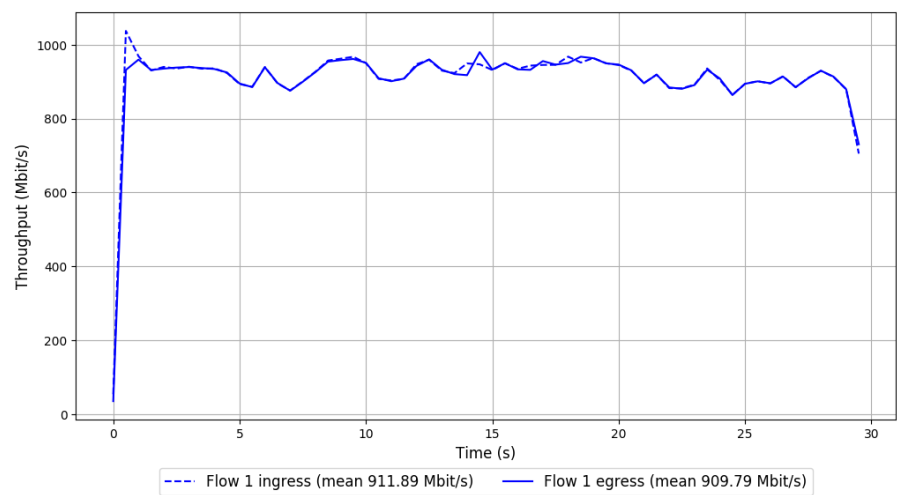


Run 5: Statistics of PCC

Start at: 2018-02-16 04:08:21
End at: 2018-02-16 04:08:51
Local clock offset: 0.801 ms
Remote clock offset: -5.176 ms

Below is generated by plot.py at 2018-02-16 09:18:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 909.79 Mbit/s
95th percentile per-packet one-way delay: 22.468 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 909.79 Mbit/s
95th percentile per-packet one-way delay: 22.468 ms
Loss rate: 0.23%

Run 5: Report of PCC — Data Link

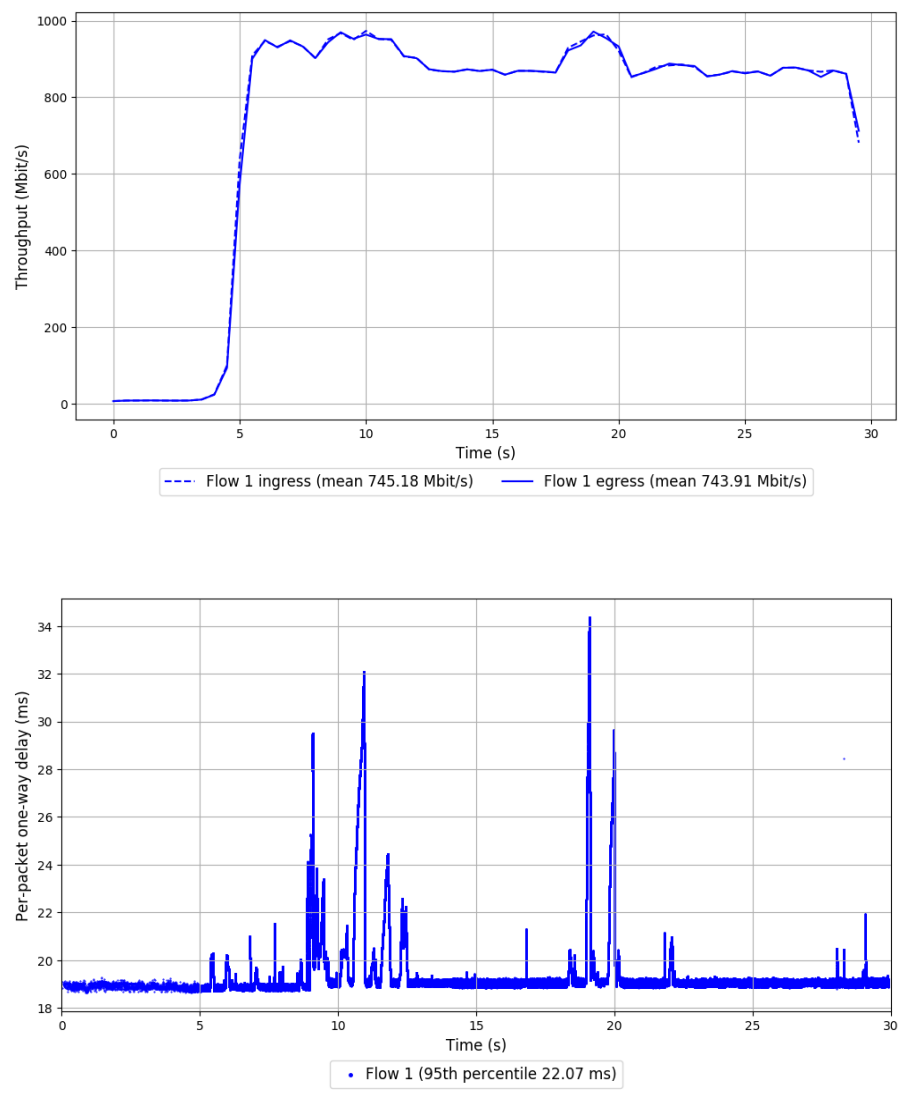


Run 6: Statistics of PCC

Start at: 2018-02-16 04:33:36
End at: 2018-02-16 04:34:06
Local clock offset: 0.908 ms
Remote clock offset: -6.414 ms

Below is generated by plot.py at 2018-02-16 09:18:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 743.91 Mbit/s
95th percentile per-packet one-way delay: 22.075 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 743.91 Mbit/s
95th percentile per-packet one-way delay: 22.075 ms
Loss rate: 0.17%

Run 6: Report of PCC — Data Link

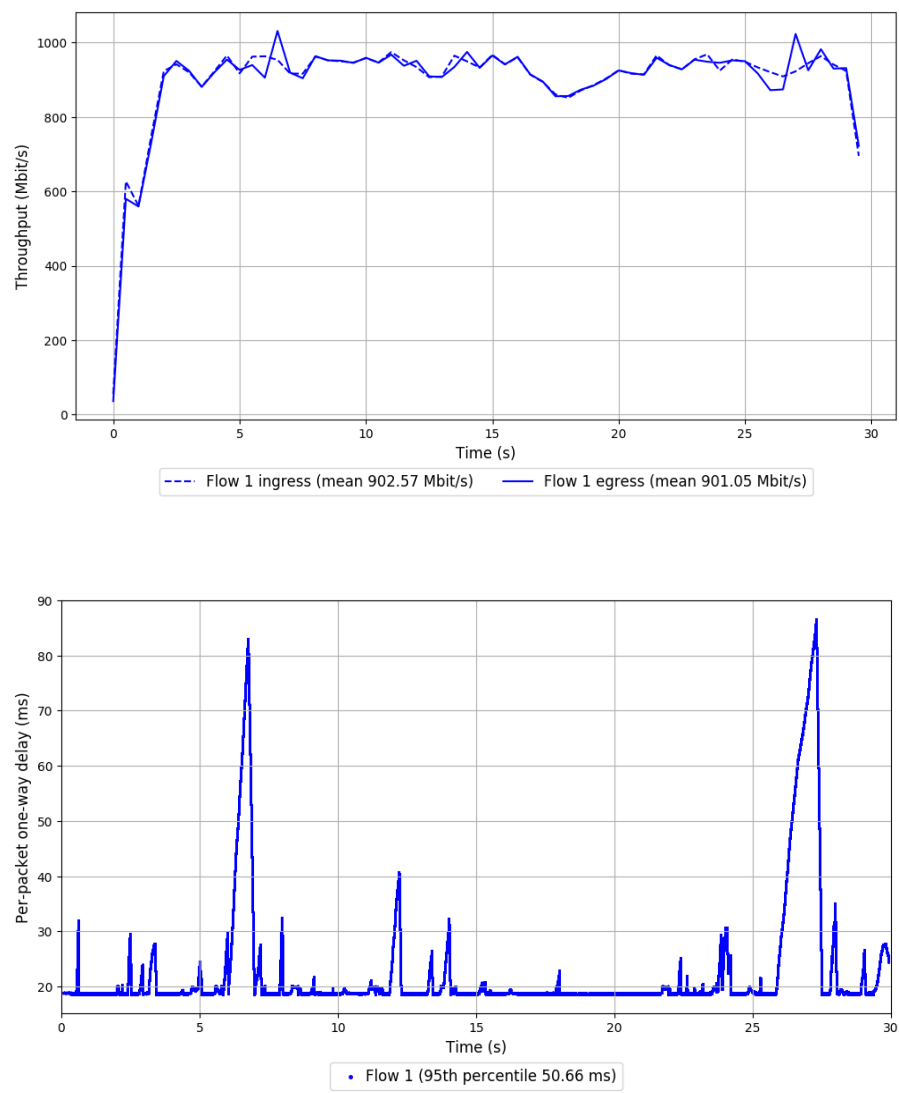


Run 7: Statistics of PCC

Start at: 2018-02-16 04:58:47
End at: 2018-02-16 04:59:17
Local clock offset: 0.895 ms
Remote clock offset: -5.618 ms

Below is generated by plot.py at 2018-02-16 09:21:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 901.05 Mbit/s
95th percentile per-packet one-way delay: 50.659 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 901.05 Mbit/s
95th percentile per-packet one-way delay: 50.659 ms
Loss rate: 0.17%

Run 7: Report of PCC — Data Link

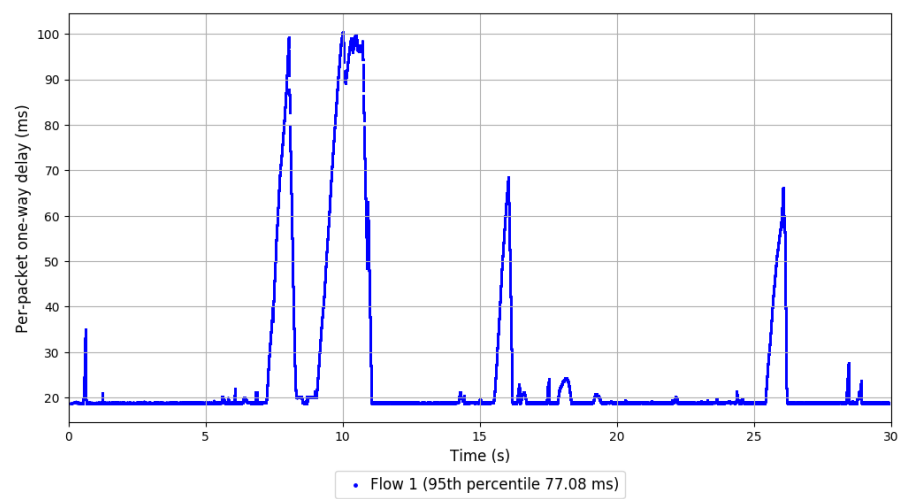
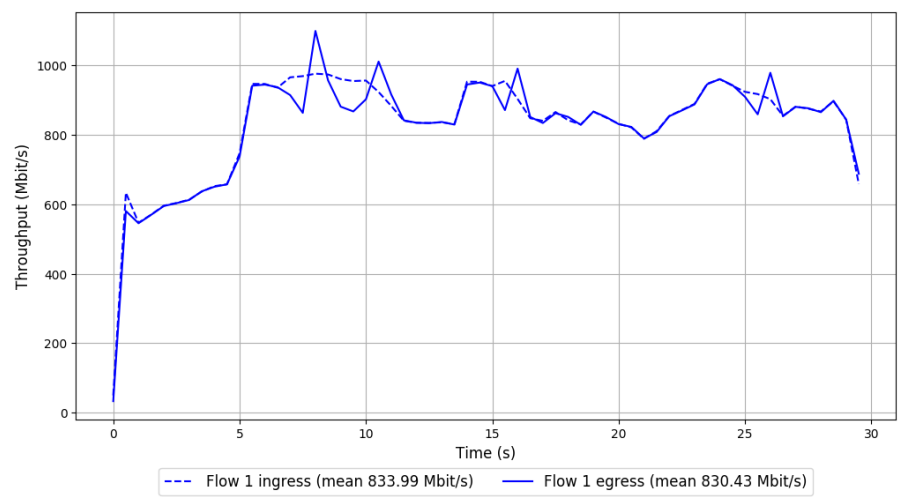


Run 8: Statistics of PCC

Start at: 2018-02-16 05:24:37
End at: 2018-02-16 05:25:07
Local clock offset: 1.041 ms
Remote clock offset: -5.311 ms

Below is generated by plot.py at 2018-02-16 09:21:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 830.43 Mbit/s
95th percentile per-packet one-way delay: 77.085 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 830.43 Mbit/s
95th percentile per-packet one-way delay: 77.085 ms
Loss rate: 0.43%

Run 8: Report of PCC — Data Link

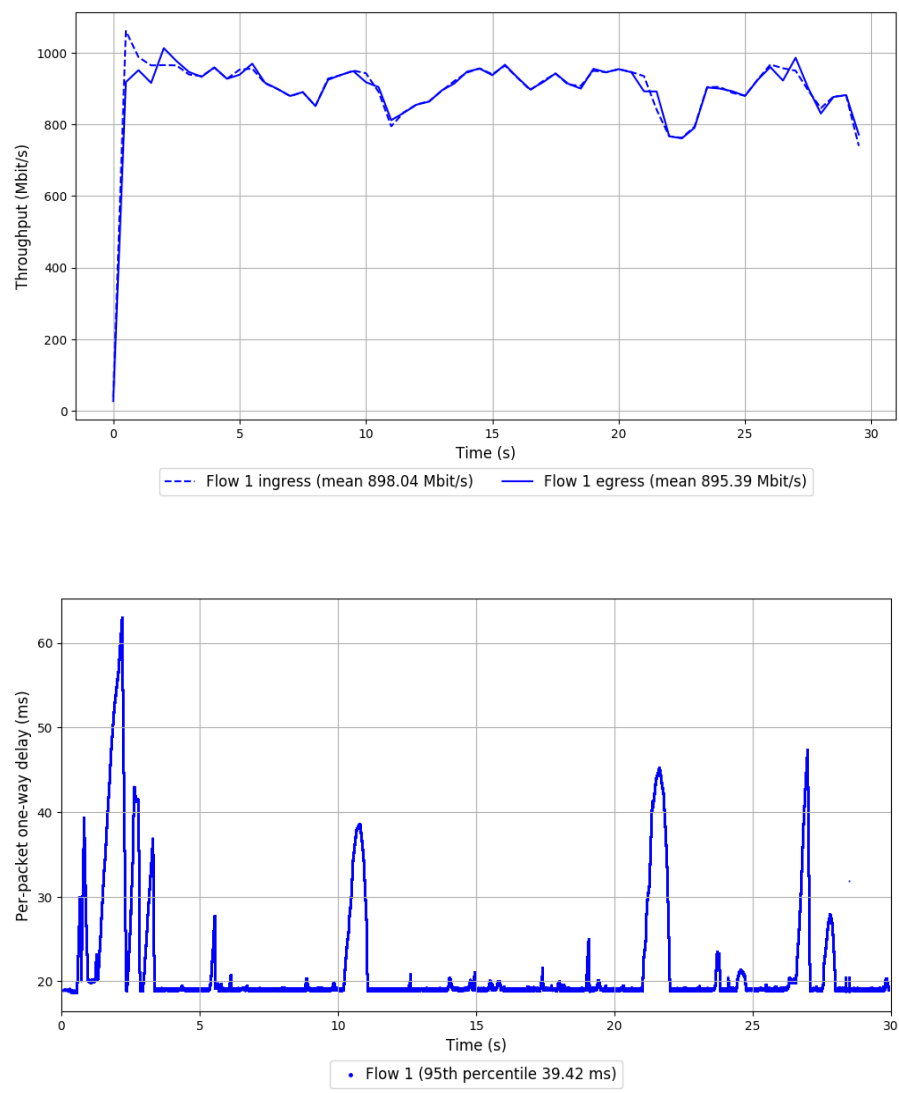


Run 9: Statistics of PCC

Start at: 2018-02-16 05:49:31
End at: 2018-02-16 05:50:01
Local clock offset: 2.286 ms
Remote clock offset: -5.555 ms

Below is generated by plot.py at 2018-02-16 09:28:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 895.39 Mbit/s
95th percentile per-packet one-way delay: 39.421 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 895.39 Mbit/s
95th percentile per-packet one-way delay: 39.421 ms
Loss rate: 0.29%

Run 9: Report of PCC — Data Link

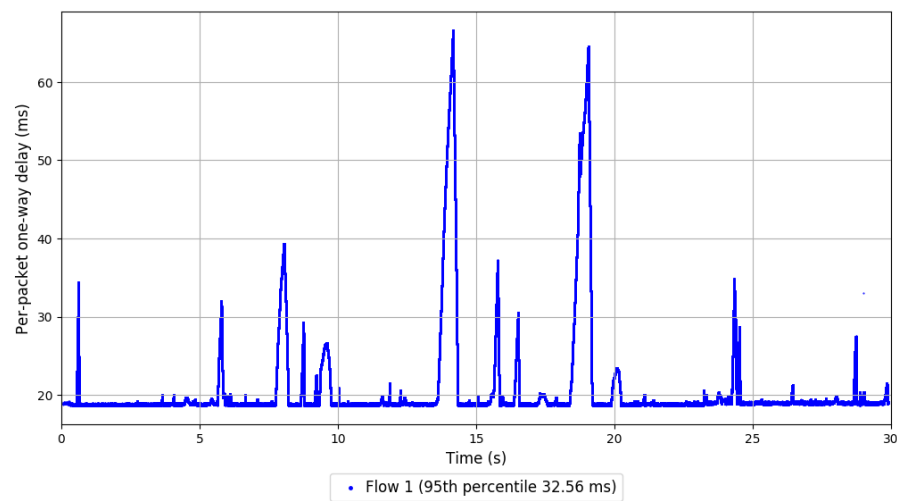
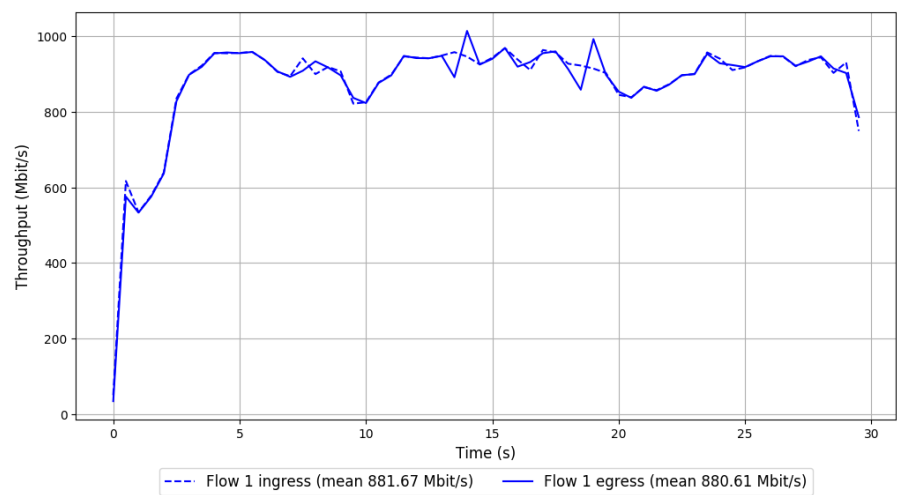


Run 10: Statistics of PCC

Start at: 2018-02-16 06:15:05
End at: 2018-02-16 06:15:35
Local clock offset: 2.812 ms
Remote clock offset: -6.311 ms

Below is generated by plot.py at 2018-02-16 09:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 880.61 Mbit/s
95th percentile per-packet one-way delay: 32.564 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 880.61 Mbit/s
95th percentile per-packet one-way delay: 32.564 ms
Loss rate: 0.12%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

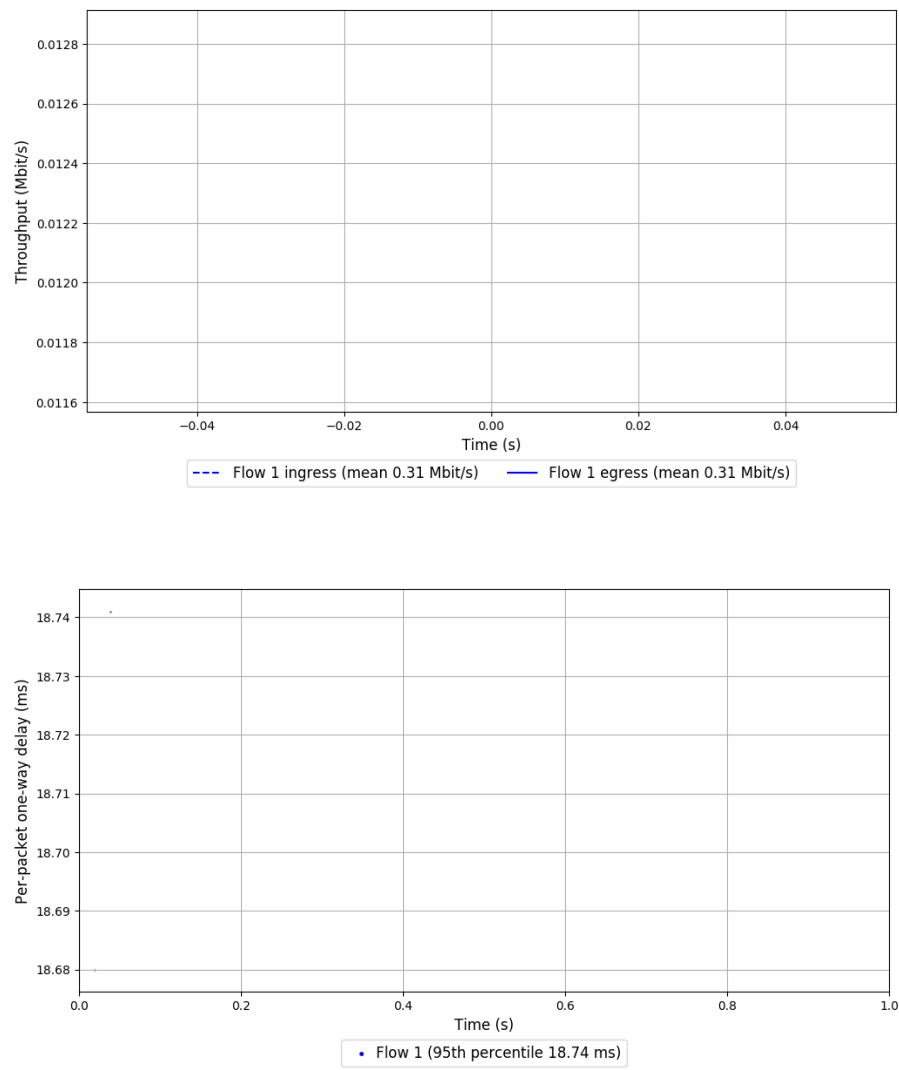
Start at: 2018-02-16 02:37:39

End at: 2018-02-16 02:38:09

Local clock offset: 0.557 ms

Remote clock offset: -4.889 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

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

End at: 2018-02-16 03:03:14

Local clock offset: 0.78 ms

Remote clock offset: -5.393 ms

Below is generated by plot.py at 2018-02-16 09:29:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.25 Mbit/s

95th percentile per-packet one-way delay: 18.774 ms

Loss rate: 0.00%

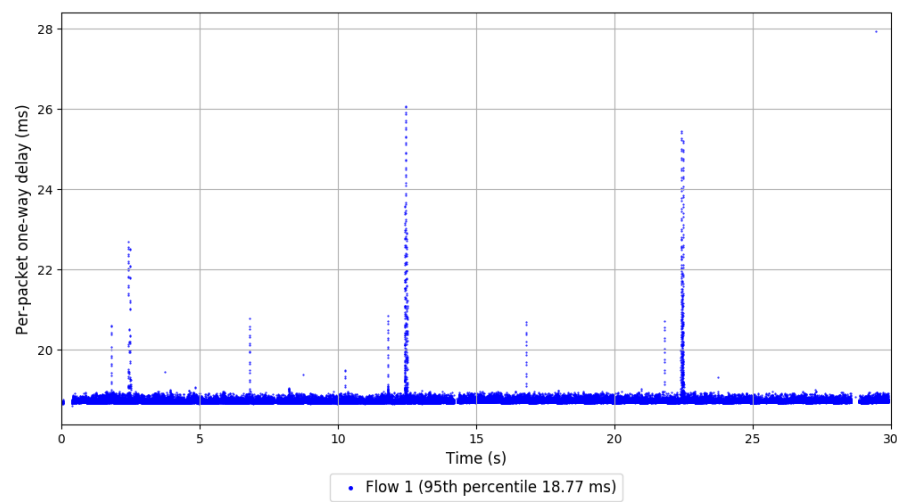
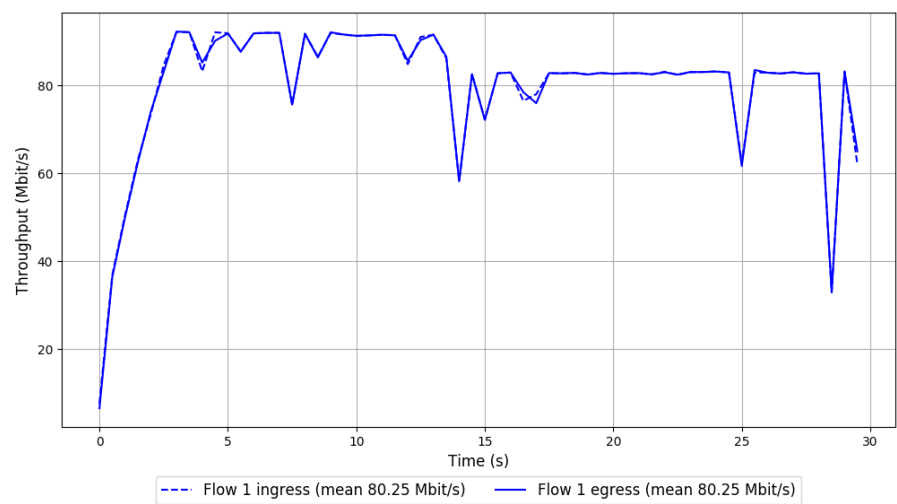
-- Flow 1:

Average throughput: 80.25 Mbit/s

95th percentile per-packet one-way delay: 18.774 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-02-16 03:27:48

End at: 2018-02-16 03:28:18

Local clock offset: 0.851 ms

Remote clock offset: -6.324 ms

Below is generated by plot.py at 2018-02-16 09:29:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.41 Mbit/s

95th percentile per-packet one-way delay: 18.703 ms

Loss rate: 0.00%

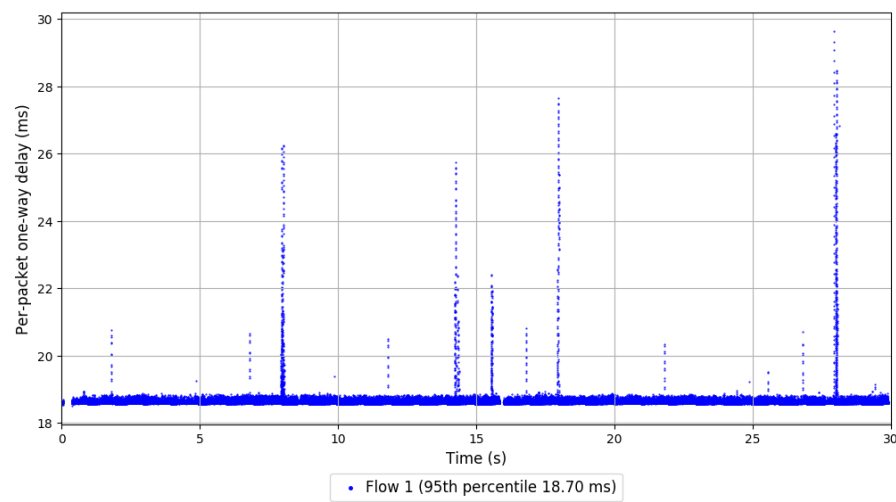
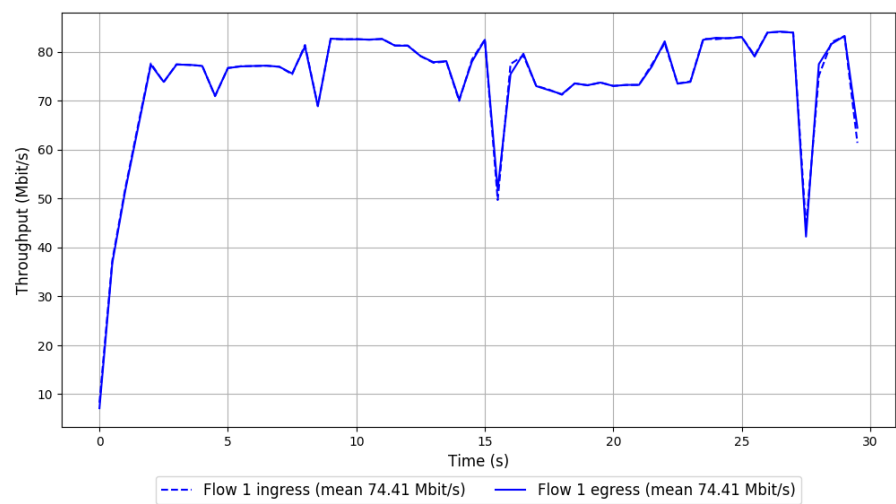
-- Flow 1:

Average throughput: 74.41 Mbit/s

95th percentile per-packet one-way delay: 18.703 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-02-16 03:52:52

End at: 2018-02-16 03:53:22

Local clock offset: 0.613 ms

Remote clock offset: -5.423 ms

Below is generated by plot.py at 2018-02-16 09:29:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.63 Mbit/s

95th percentile per-packet one-way delay: 17.468 ms

Loss rate: 0.00%

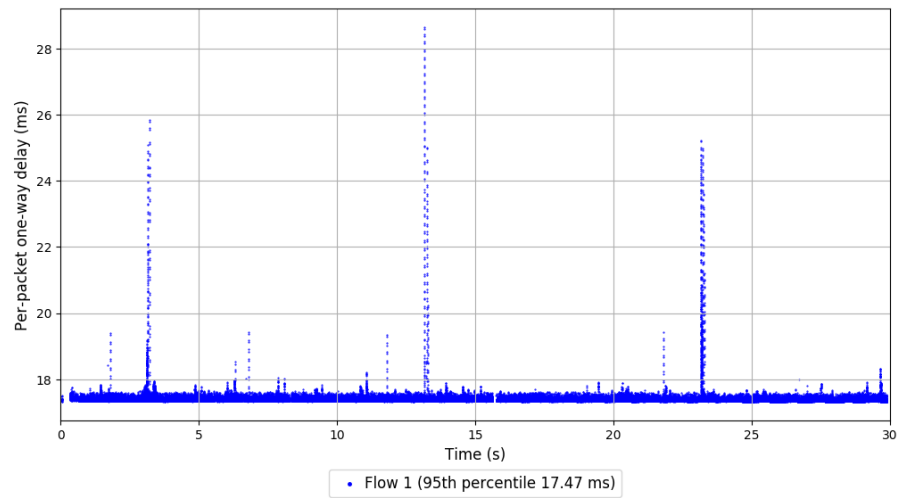
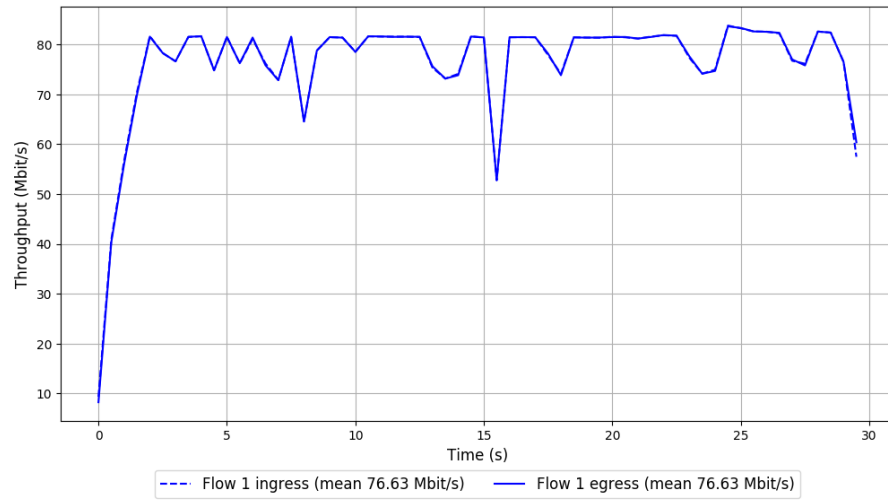
-- Flow 1:

Average throughput: 76.63 Mbit/s

95th percentile per-packet one-way delay: 17.468 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-02-16 04:17:56

End at: 2018-02-16 04:18:26

Local clock offset: 0.881 ms

Remote clock offset: -5.757 ms

Below is generated by plot.py at 2018-02-16 09:29:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.43 Mbit/s

95th percentile per-packet one-way delay: 18.824 ms

Loss rate: 0.00%

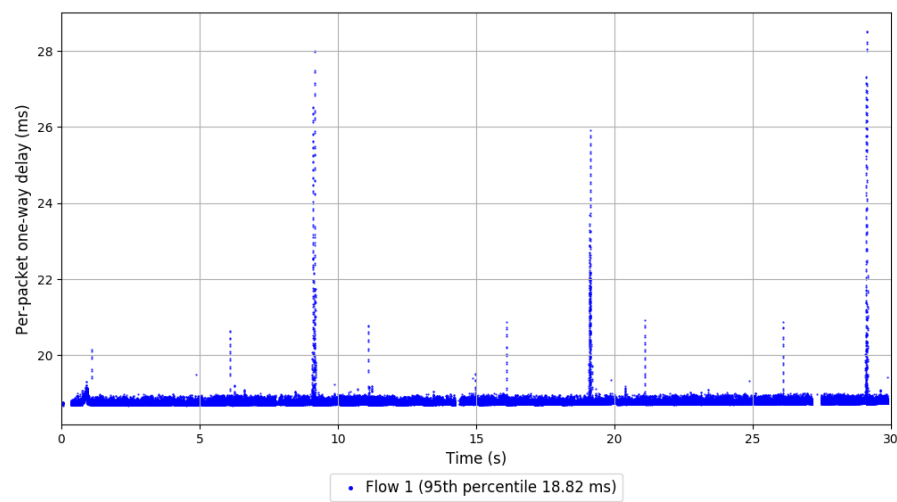
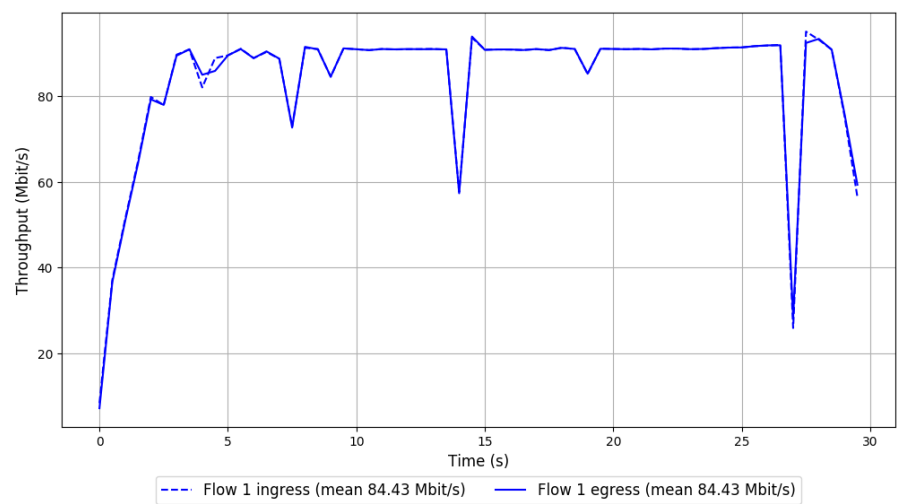
-- Flow 1:

Average throughput: 84.43 Mbit/s

95th percentile per-packet one-way delay: 18.824 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-02-16 04:43:07

End at: 2018-02-16 04:43:37

Local clock offset: 0.923 ms

Remote clock offset: -6.73 ms

Below is generated by plot.py at 2018-02-16 09:29:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.96 Mbit/s

95th percentile per-packet one-way delay: 18.944 ms

Loss rate: 0.00%

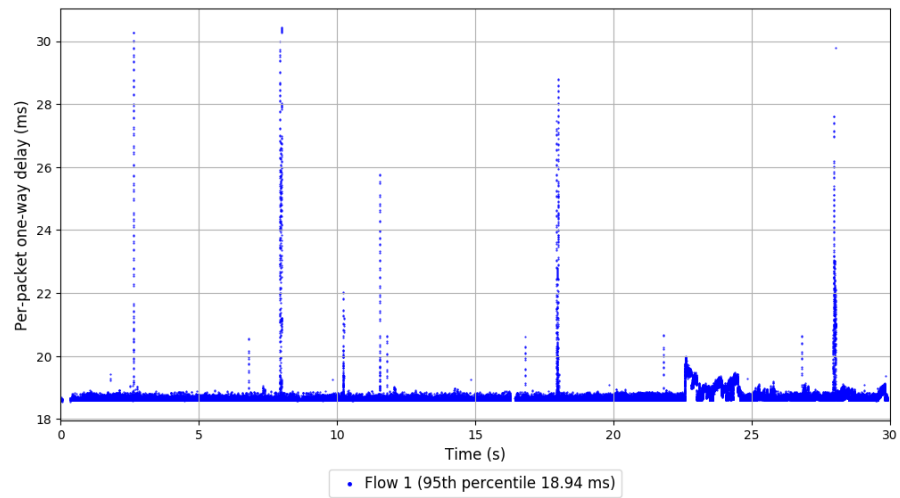
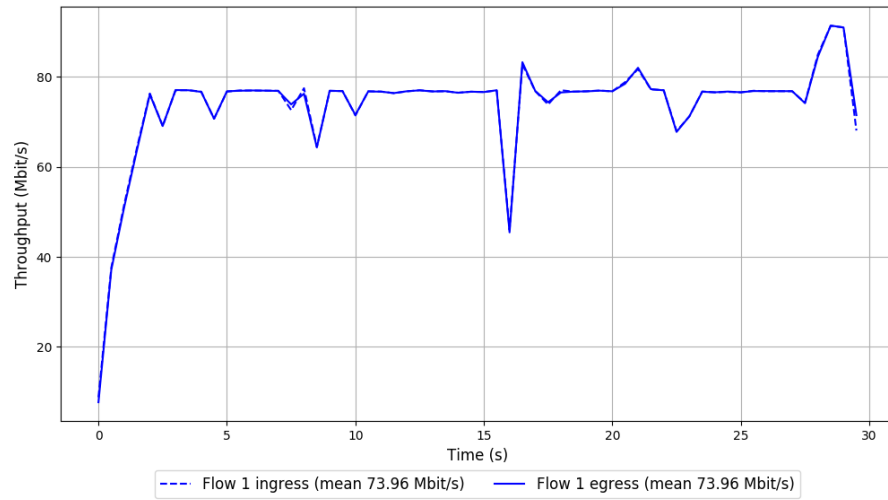
-- Flow 1:

Average throughput: 73.96 Mbit/s

95th percentile per-packet one-way delay: 18.944 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-02-16 05:08:16

End at: 2018-02-16 05:08:46

Local clock offset: 0.991 ms

Remote clock offset: -5.362 ms

Below is generated by plot.py at 2018-02-16 09:29:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.93 Mbit/s

95th percentile per-packet one-way delay: 18.683 ms

Loss rate: 0.00%

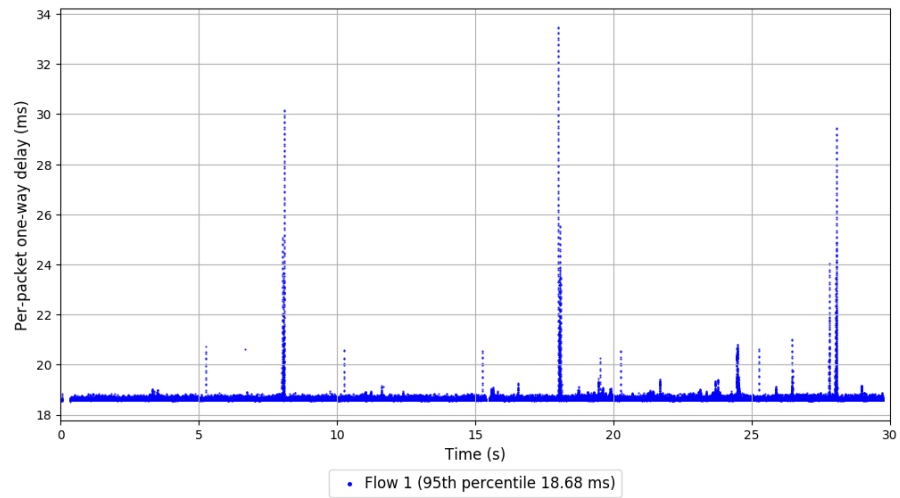
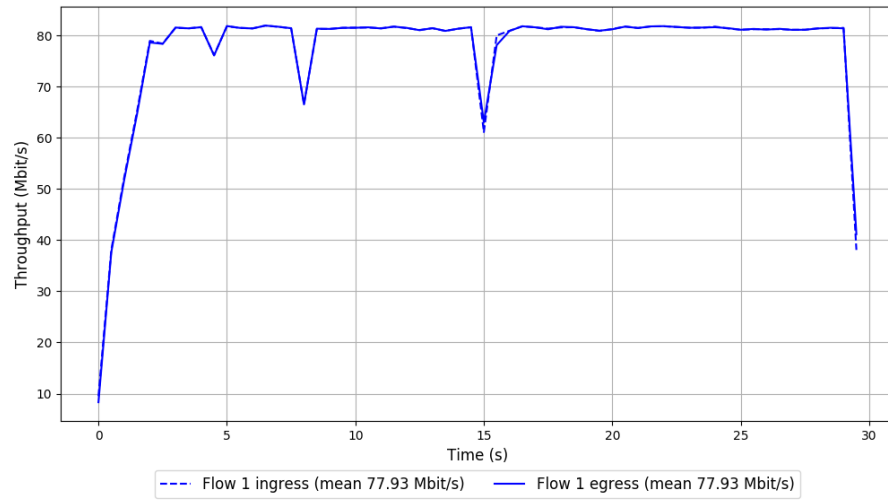
-- Flow 1:

Average throughput: 77.93 Mbit/s

95th percentile per-packet one-way delay: 18.683 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-02-16 05:34:05

End at: 2018-02-16 05:34:35

Local clock offset: 1.153 ms

Remote clock offset: -5.469 ms

Below is generated by plot.py at 2018-02-16 09:29:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.27 Mbit/s

95th percentile per-packet one-way delay: 18.729 ms

Loss rate: 0.01%

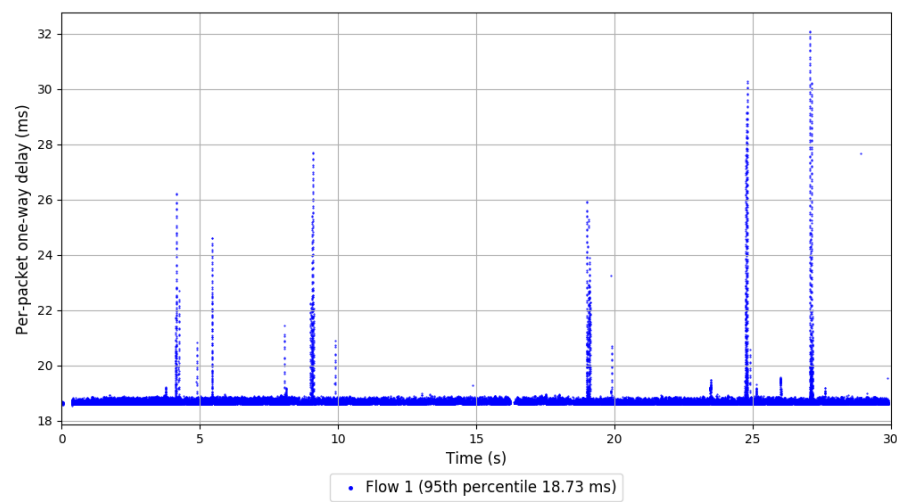
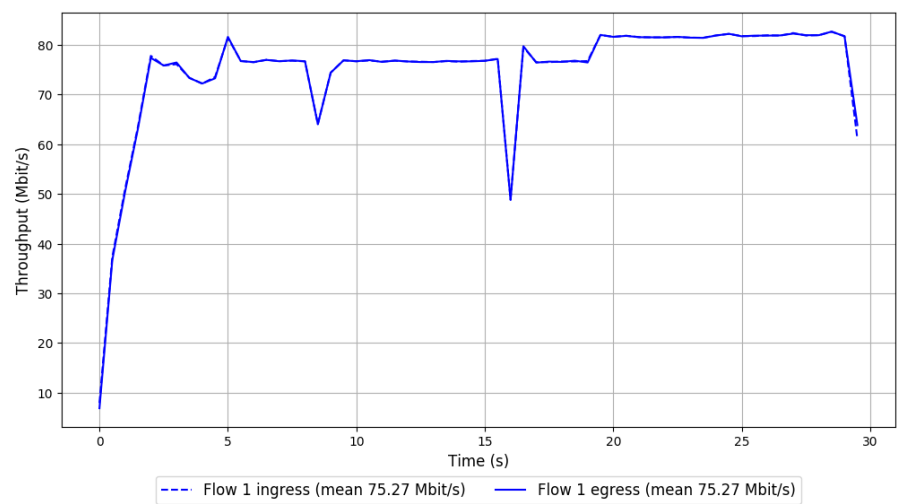
-- Flow 1:

Average throughput: 75.27 Mbit/s

95th percentile per-packet one-way delay: 18.729 ms

Loss rate: 0.01%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-02-16 05:59:11

End at: 2018-02-16 05:59:41

Local clock offset: 2.67 ms

Remote clock offset: -5.85 ms

Below is generated by plot.py at 2018-02-16 09:29:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.10 Mbit/s

95th percentile per-packet one-way delay: 18.874 ms

Loss rate: 0.00%

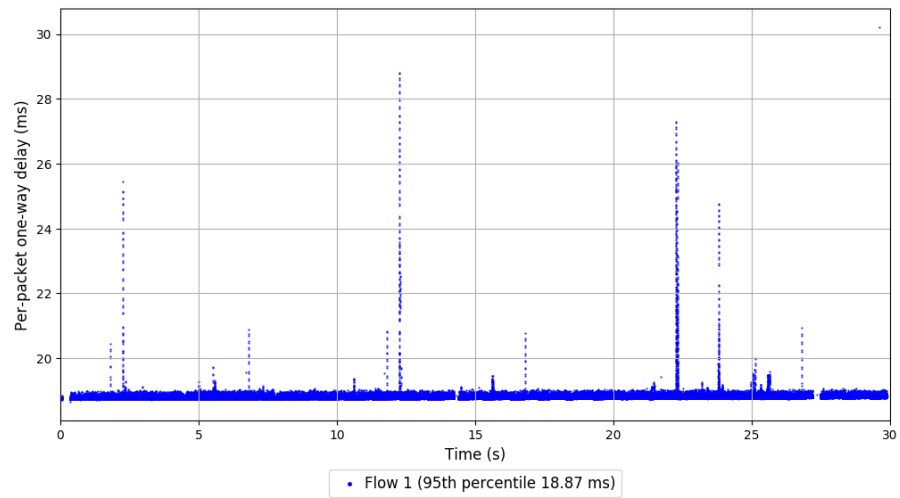
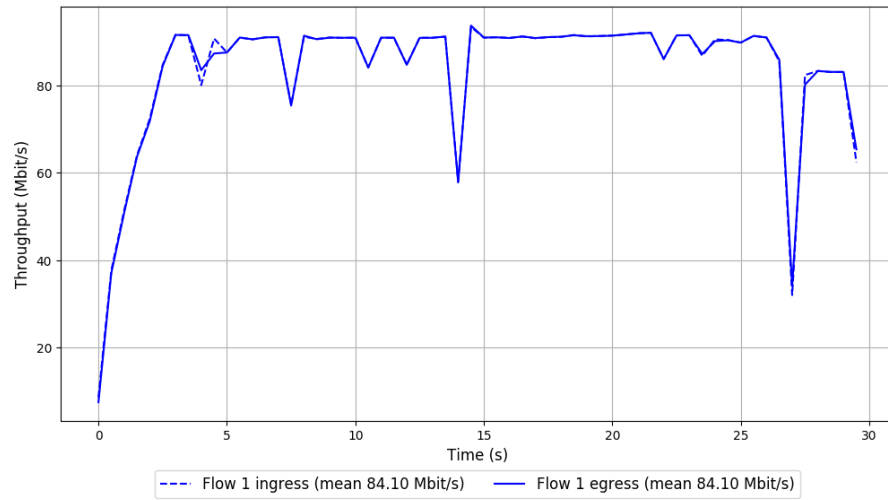
-- Flow 1:

Average throughput: 84.10 Mbit/s

95th percentile per-packet one-way delay: 18.874 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-02-16 06:24:46

End at: 2018-02-16 06:25:16

Local clock offset: 2.689 ms

Remote clock offset: -6.445 ms

Below is generated by plot.py at 2018-02-16 09:29:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.26 Mbit/s

95th percentile per-packet one-way delay: 18.687 ms

Loss rate: 0.00%

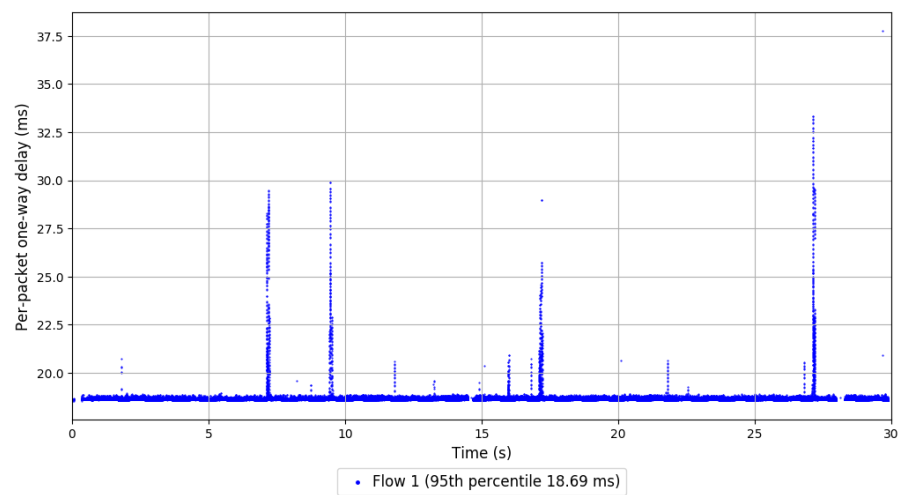
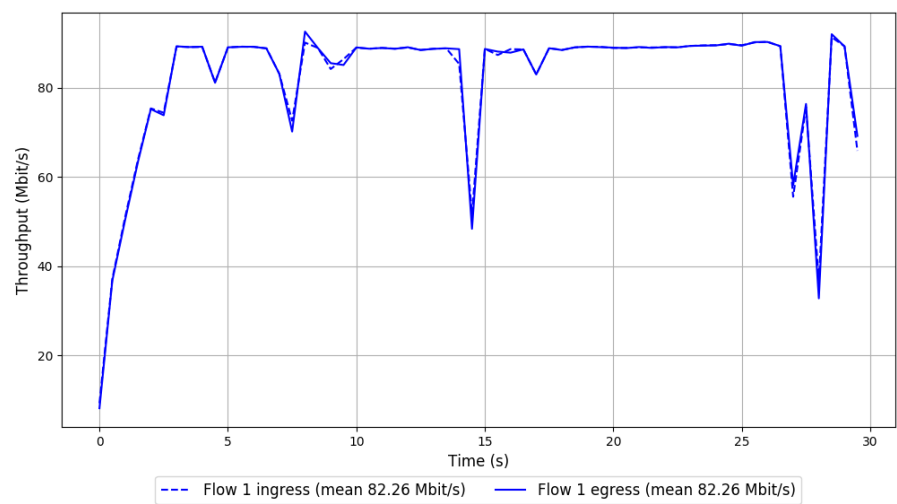
-- Flow 1:

Average throughput: 82.26 Mbit/s

95th percentile per-packet one-way delay: 18.687 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

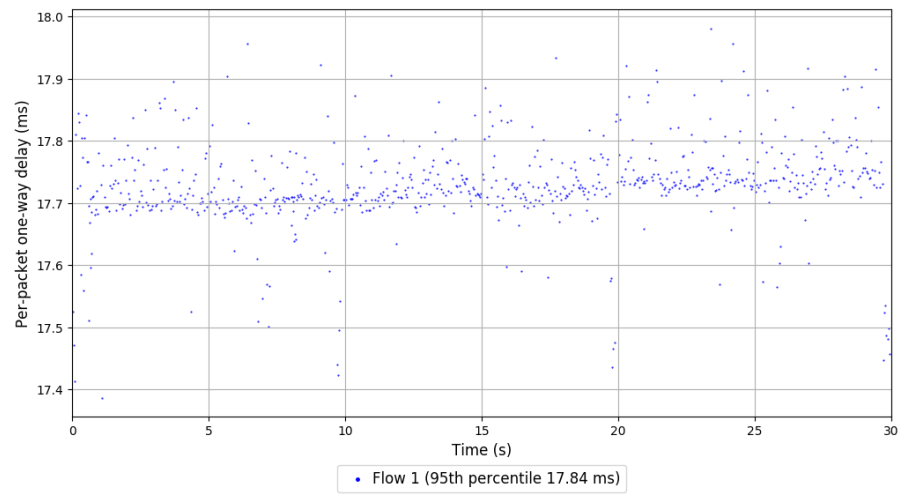
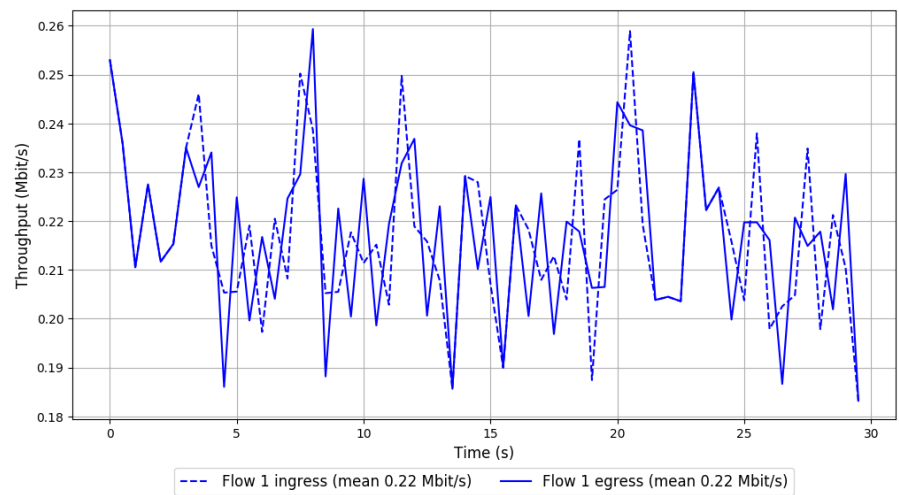


```
Run 1: Statistics of SCReAM

Start at: 2018-02-16 02:29:47
End at: 2018-02-16 02:30:17
Local clock offset: 0.453 ms
Remote clock offset: -4.15 ms

# Below is generated by plot.py at 2018-02-16 09:29:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.845 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.845 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

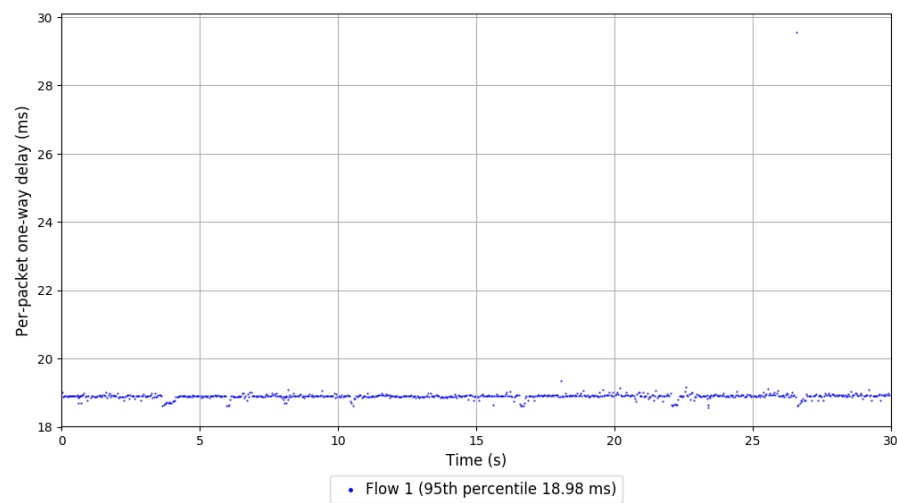
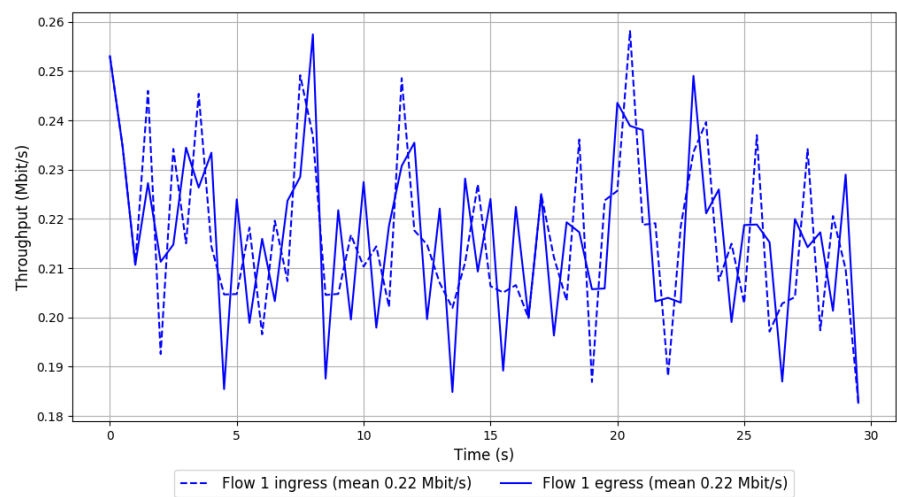


Run 2: Statistics of SCReAM

Start at: 2018-02-16 02:54:50
End at: 2018-02-16 02:55:20
Local clock offset: 0.773 ms
Remote clock offset: -5.345 ms

Below is generated by plot.py at 2018-02-16 09:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.985 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.985 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

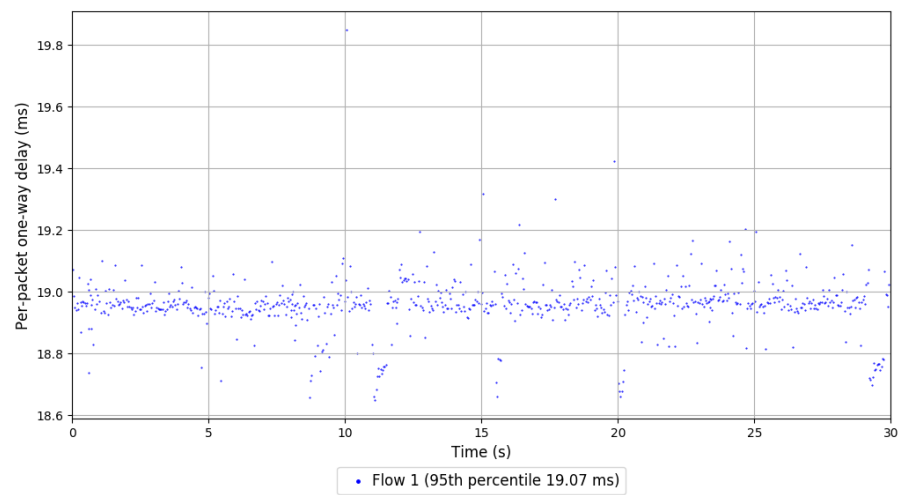
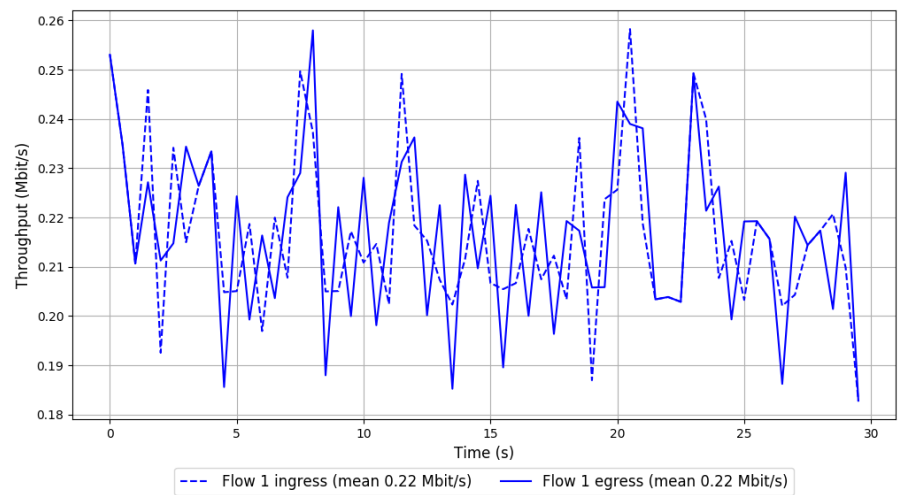


Run 3: Statistics of SCReAM

Start at: 2018-02-16 03:19:57
End at: 2018-02-16 03:20:27
Local clock offset: 1.068 ms
Remote clock offset: -6.124 ms

Below is generated by plot.py at 2018-02-16 09:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.074 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.074 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

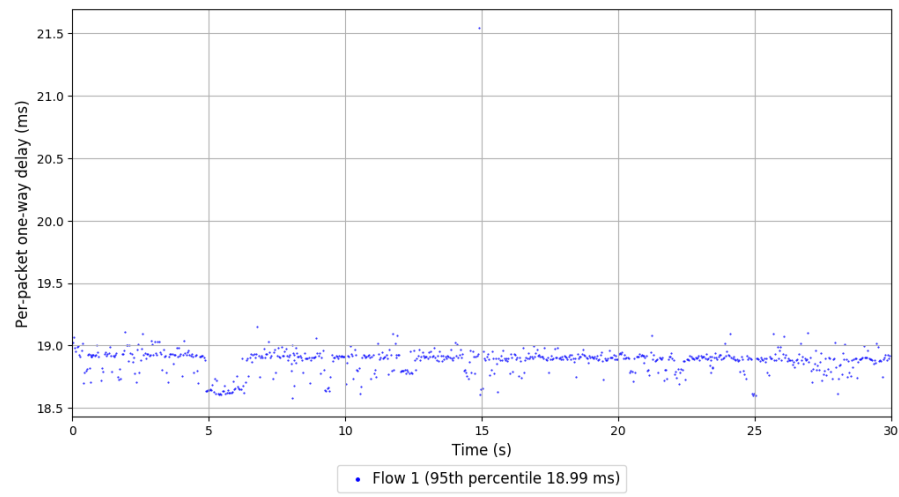
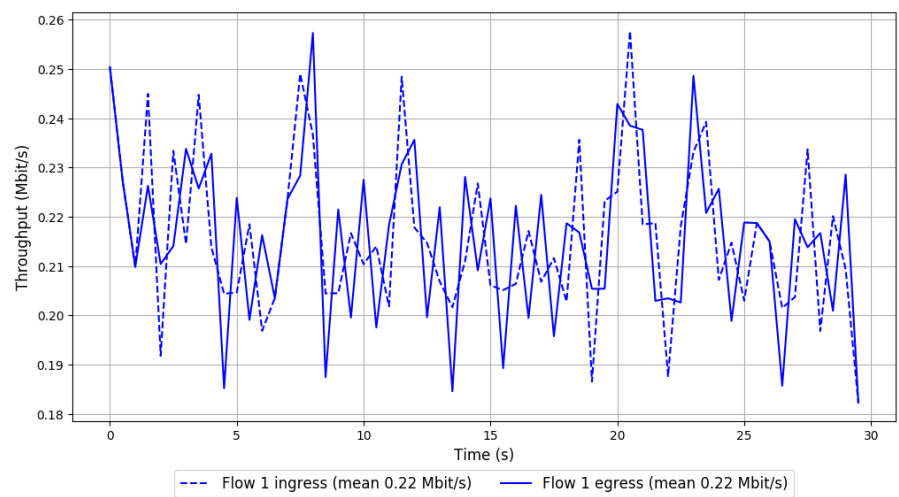


Run 4: Statistics of SCReAM

Start at: 2018-02-16 03:44:51
End at: 2018-02-16 03:45:21
Local clock offset: 0.71 ms
Remote clock offset: -5.789 ms

Below is generated by plot.py at 2018-02-16 09:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.994 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.994 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

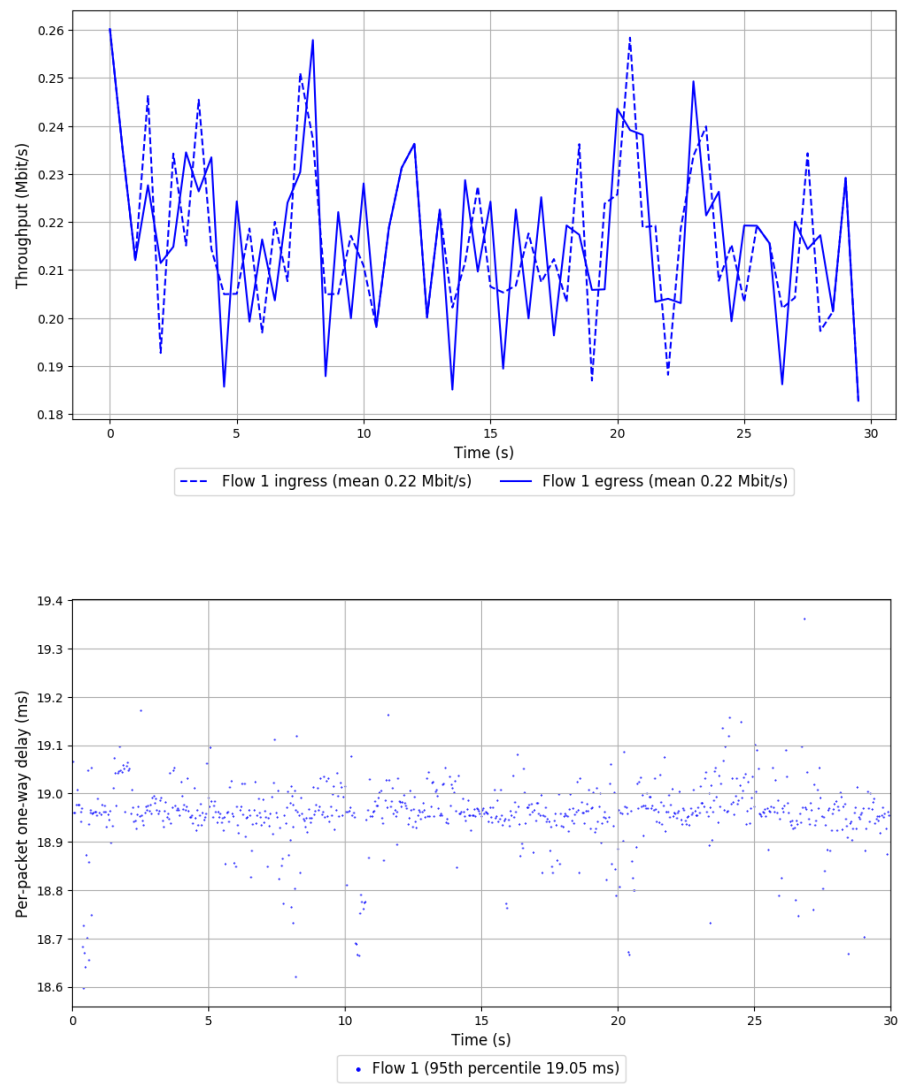


Run 5: Statistics of SCReAM

Start at: 2018-02-16 04:09:55
End at: 2018-02-16 04:10:25
Local clock offset: 0.886 ms
Remote clock offset: -5.171 ms

Below is generated by plot.py at 2018-02-16 09:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.049 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.049 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

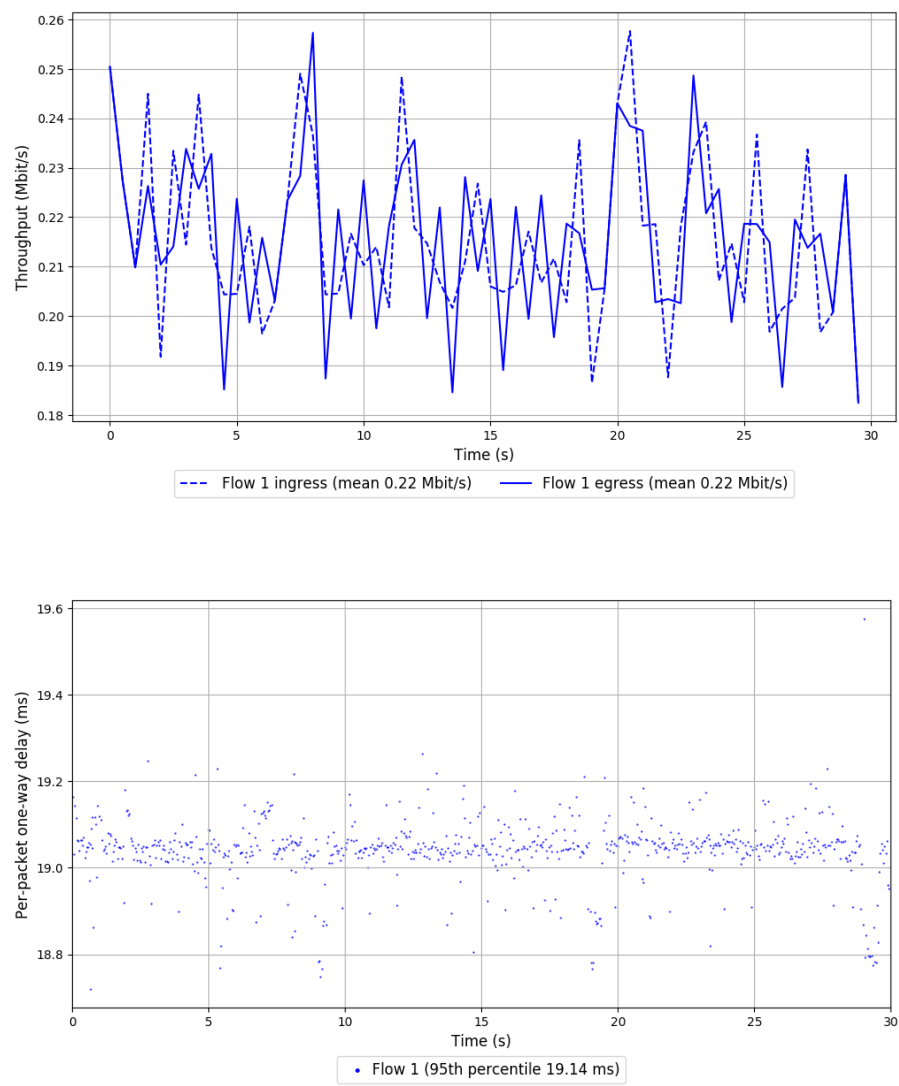


Run 6: Statistics of SCReAM

Start at: 2018-02-16 04:35:06
End at: 2018-02-16 04:35:36
Local clock offset: 0.829 ms
Remote clock offset: -6.514 ms

Below is generated by plot.py at 2018-02-16 09:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.143 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.143 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

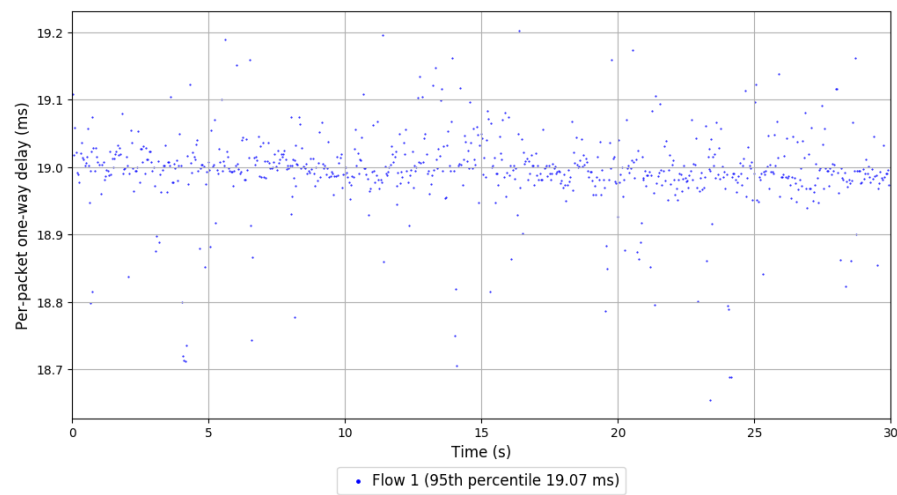
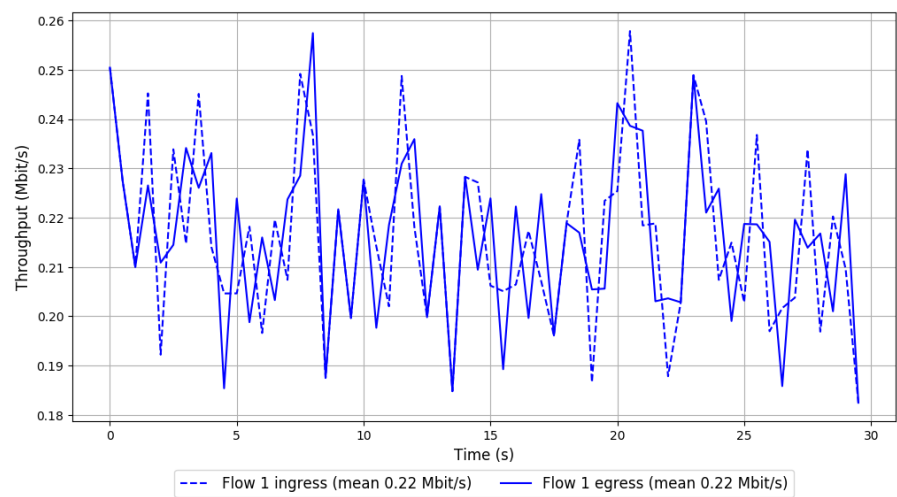


Run 7: Statistics of SCReAM

Start at: 2018-02-16 05:00:21
End at: 2018-02-16 05:00:51
Local clock offset: 0.796 ms
Remote clock offset: -5.546 ms

Below is generated by plot.py at 2018-02-16 09:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.074 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.074 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

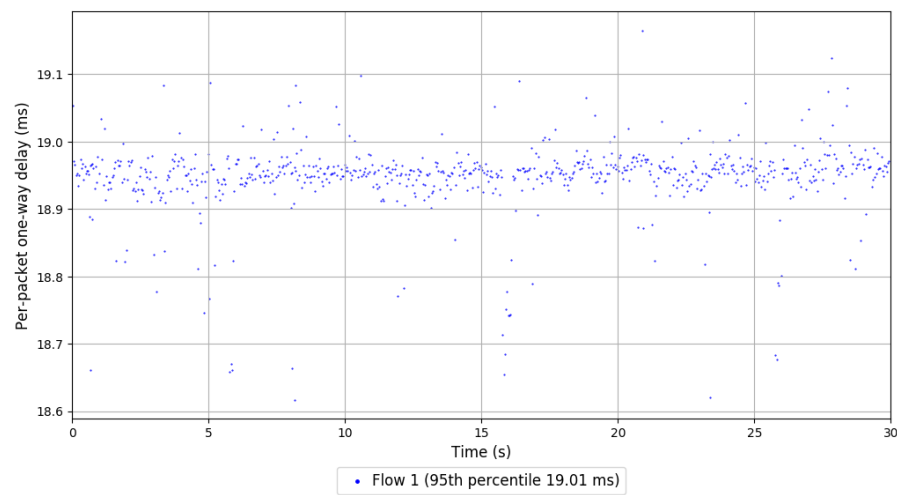
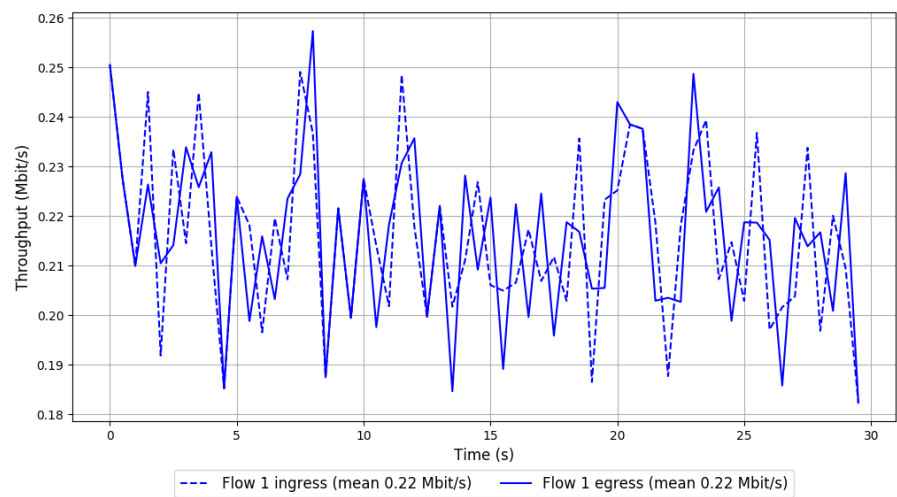


Run 8: Statistics of SCReAM

Start at: 2018-02-16 05:26:08
End at: 2018-02-16 05:26:38
Local clock offset: 1.144 ms
Remote clock offset: -5.288 ms

Below is generated by plot.py at 2018-02-16 09:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.006 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.006 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

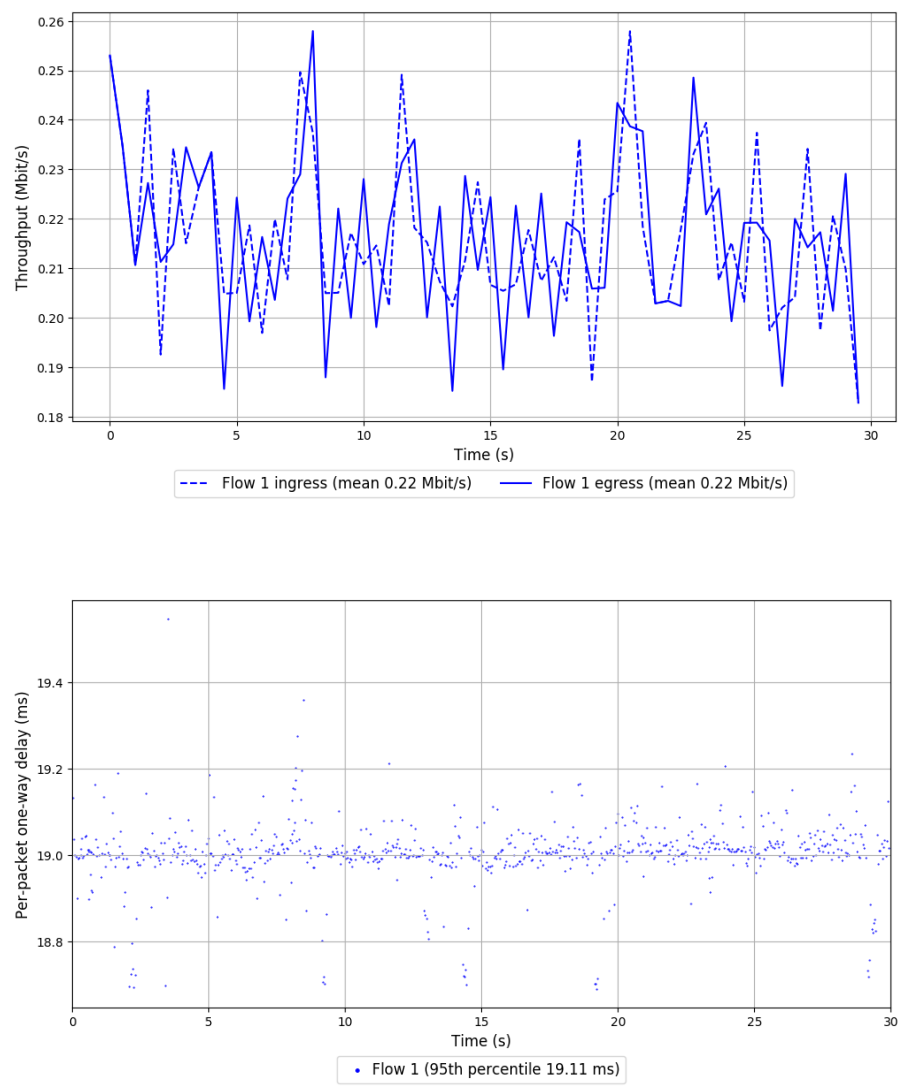


Run 9: Statistics of SCReAM

Start at: 2018-02-16 05:51:05
End at: 2018-02-16 05:51:35
Local clock offset: 2.434 ms
Remote clock offset: -5.528 ms

Below is generated by plot.py at 2018-02-16 09:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.105 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.105 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

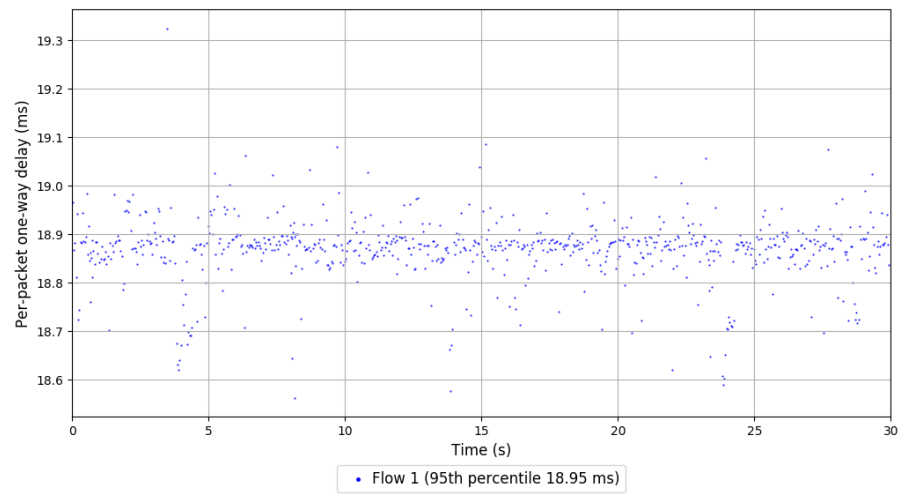
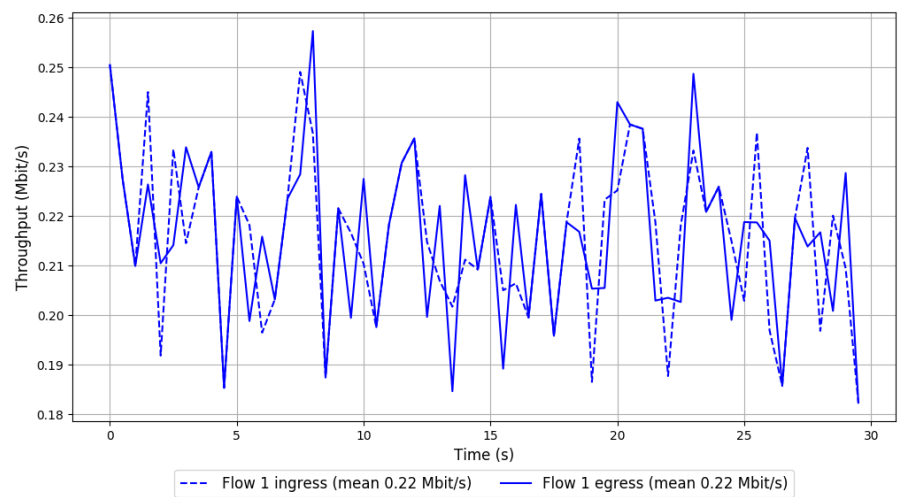


Run 10: Statistics of SReAM

Start at: 2018-02-16 06:16:39
End at: 2018-02-16 06:17:09
Local clock offset: 2.851 ms
Remote clock offset: -6.325 ms

Below is generated by plot.py at 2018-02-16 09:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.955 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.955 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

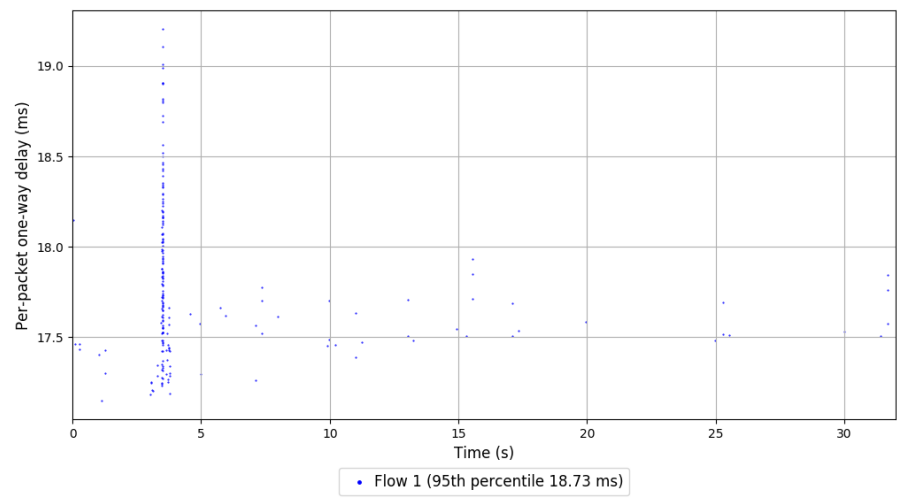
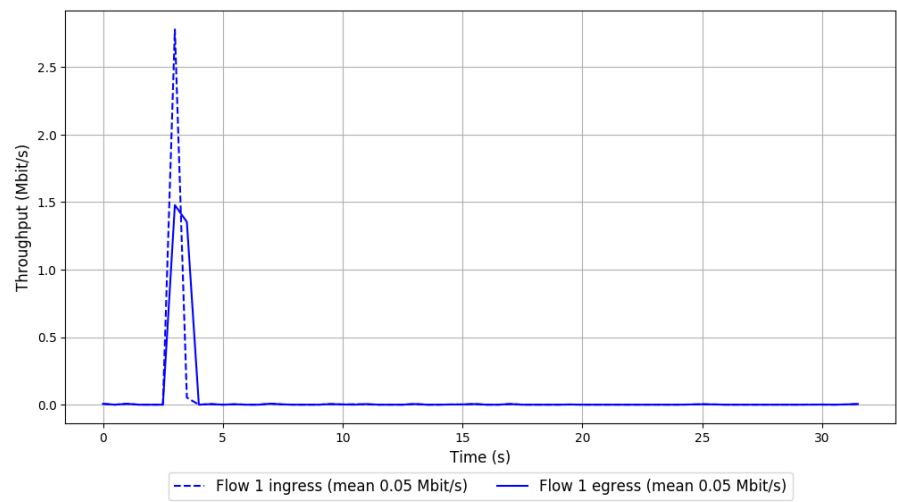


Run 1: Statistics of WebRTC media

Start at: 2018-02-16 02:36:29
End at: 2018-02-16 02:36:59
Local clock offset: 0.554 ms
Remote clock offset: -4.847 ms

Below is generated by plot.py at 2018-02-16 09:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 18.725 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 18.725 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

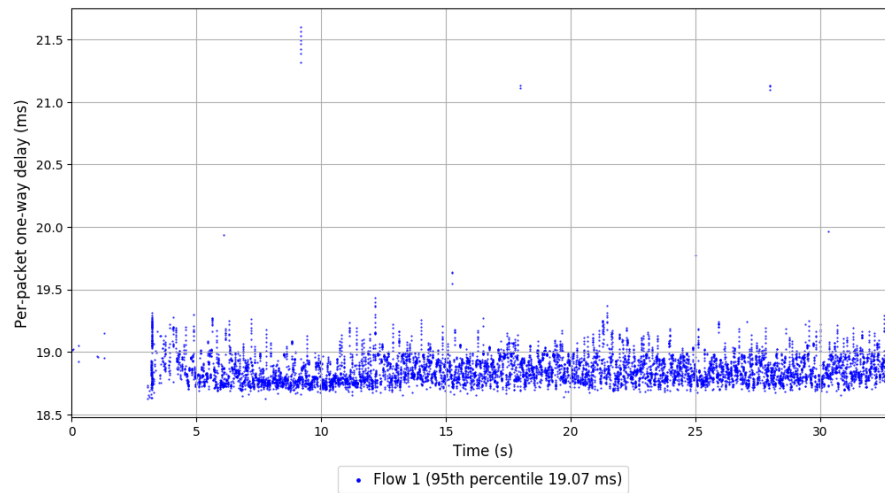
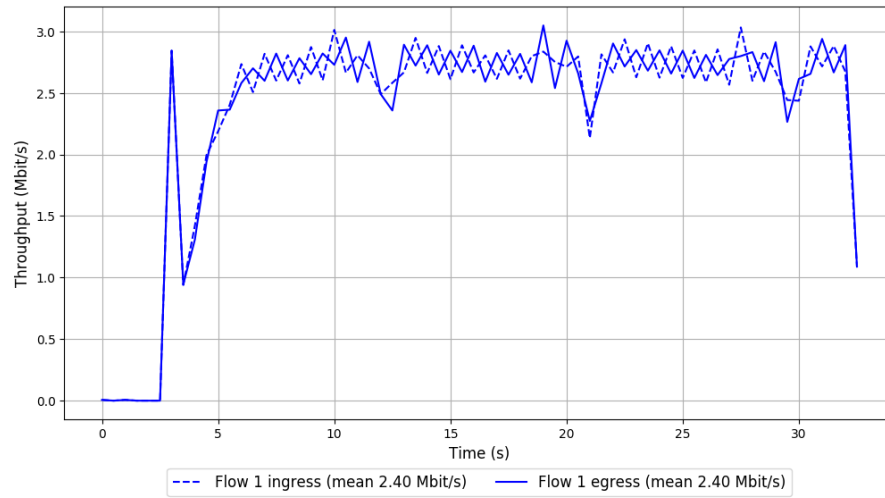


Run 2: Statistics of WebRTC media

Start at: 2018-02-16 03:01:34
End at: 2018-02-16 03:02:04
Local clock offset: 0.861 ms
Remote clock offset: -5.315 ms

Below is generated by plot.py at 2018-02-16 09:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 19.073 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 19.073 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

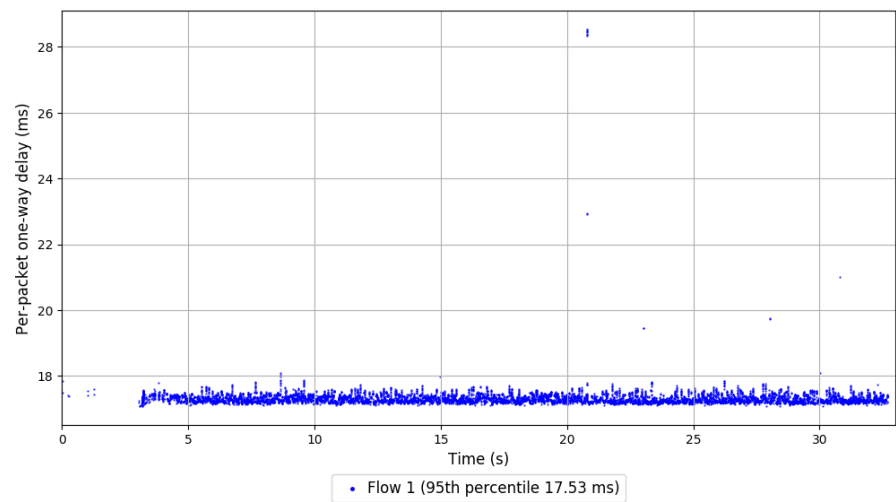
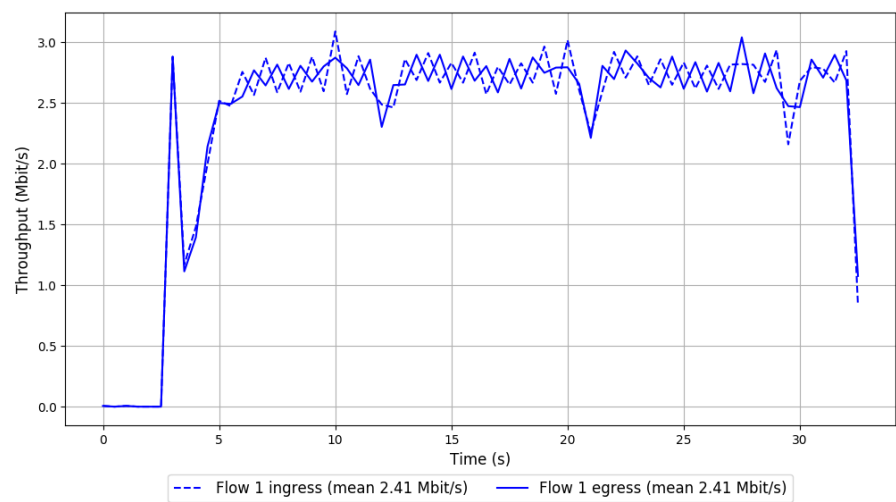


Run 3: Statistics of WebRTC media

Start at: 2018-02-16 03:26:38
End at: 2018-02-16 03:27:08
Local clock offset: 0.874 ms
Remote clock offset: -6.298 ms

Below is generated by plot.py at 2018-02-16 09:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 17.530 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 17.530 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

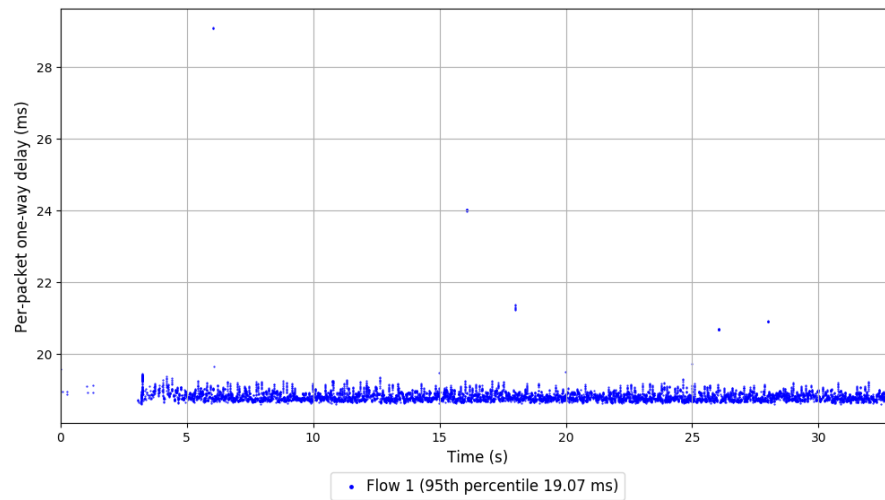
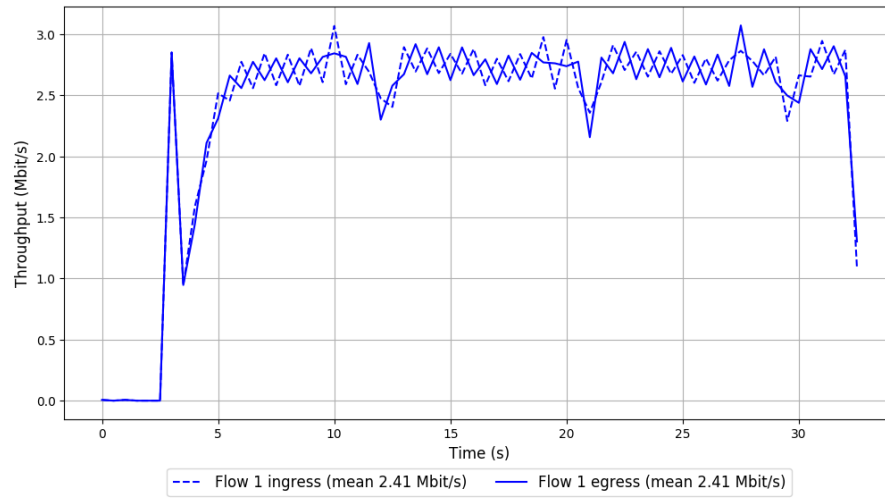


Run 4: Statistics of WebRTC media

Start at: 2018-02-16 03:51:42
End at: 2018-02-16 03:52:12
Local clock offset: 0.718 ms
Remote clock offset: -5.456 ms

Below is generated by plot.py at 2018-02-16 09:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 19.068 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 19.068 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-02-16 04:16:46

End at: 2018-02-16 04:17:16

Local clock offset: 0.904 ms

Remote clock offset: -5.64 ms

Below is generated by plot.py at 2018-02-16 09:29:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.42 Mbit/s

95th percentile per-packet one-way delay: 19.071 ms

Loss rate: 0.00%

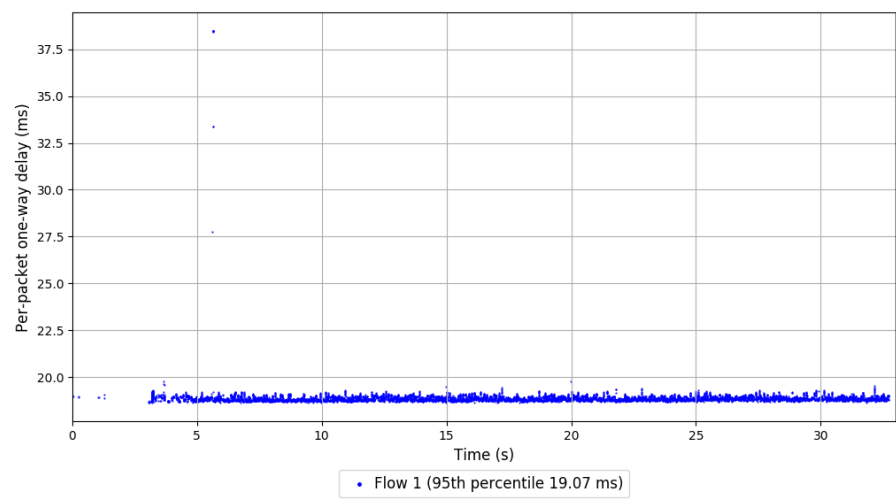
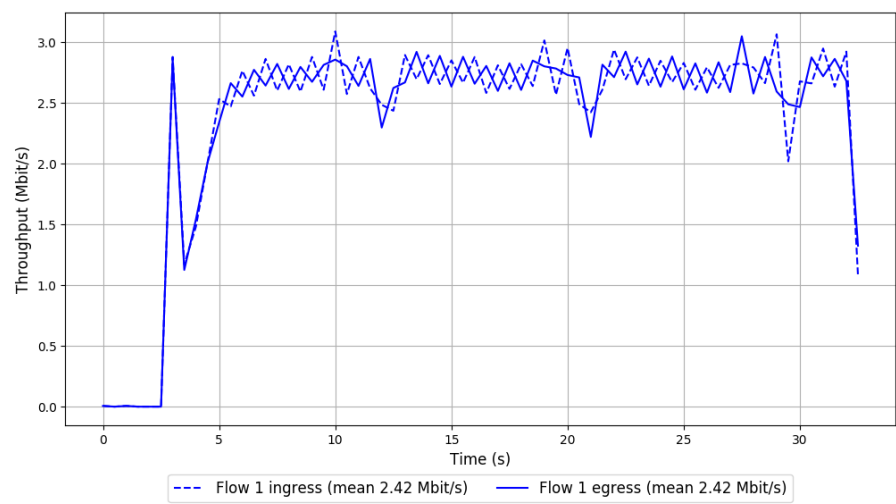
-- Flow 1:

Average throughput: 2.42 Mbit/s

95th percentile per-packet one-way delay: 19.071 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

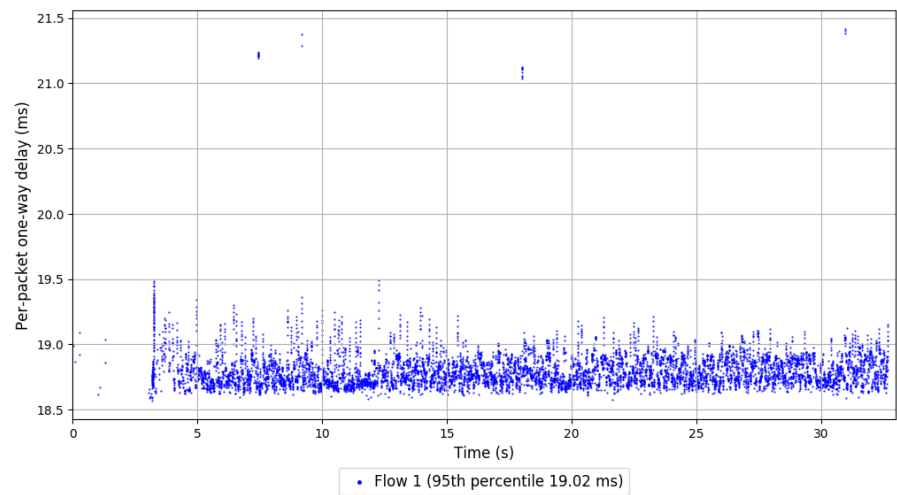
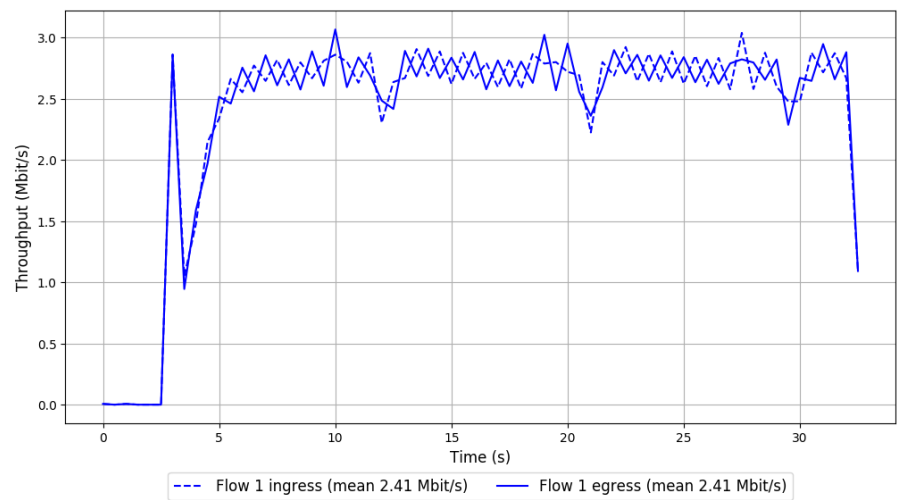


Run 6: Statistics of WebRTC media

Start at: 2018-02-16 04:41:57
End at: 2018-02-16 04:42:27
Local clock offset: 0.905 ms
Remote clock offset: -6.695 ms

Below is generated by plot.py at 2018-02-16 09:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 19.022 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 19.022 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

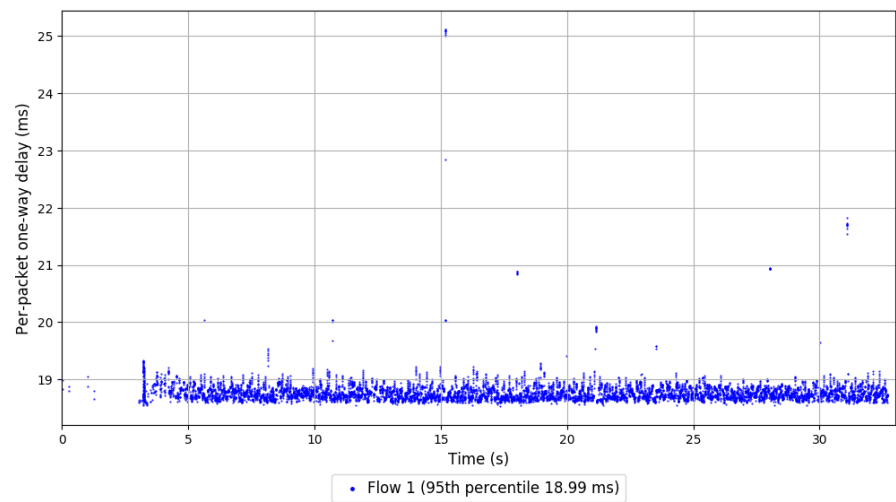
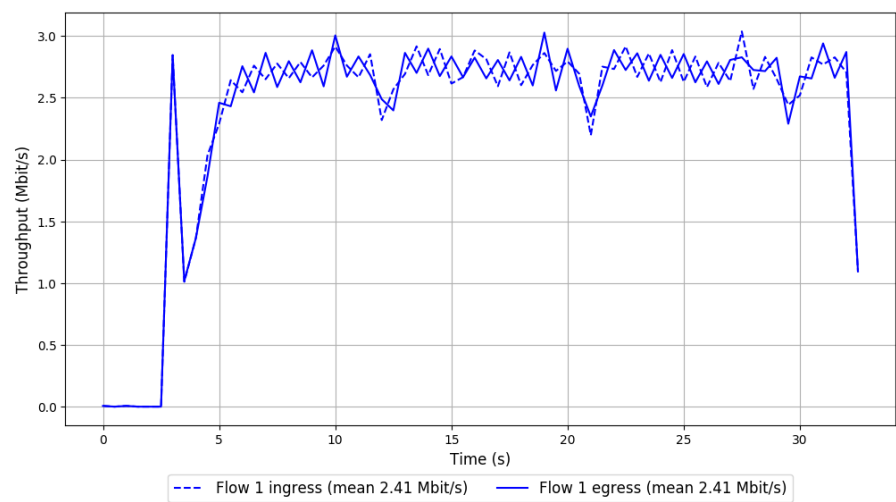


Run 7: Statistics of WebRTC media

Start at: 2018-02-16 05:07:06
End at: 2018-02-16 05:07:36
Local clock offset: 0.96 ms
Remote clock offset: -5.371 ms

Below is generated by plot.py at 2018-02-16 09:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 18.988 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 18.988 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

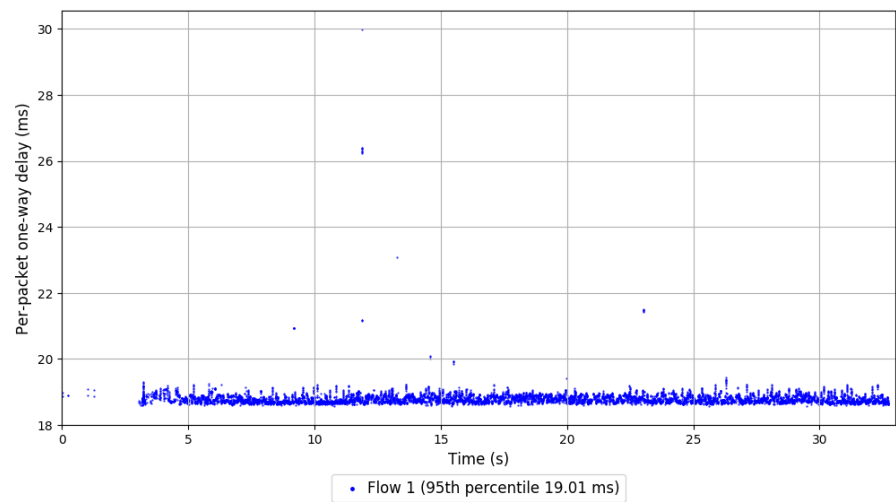
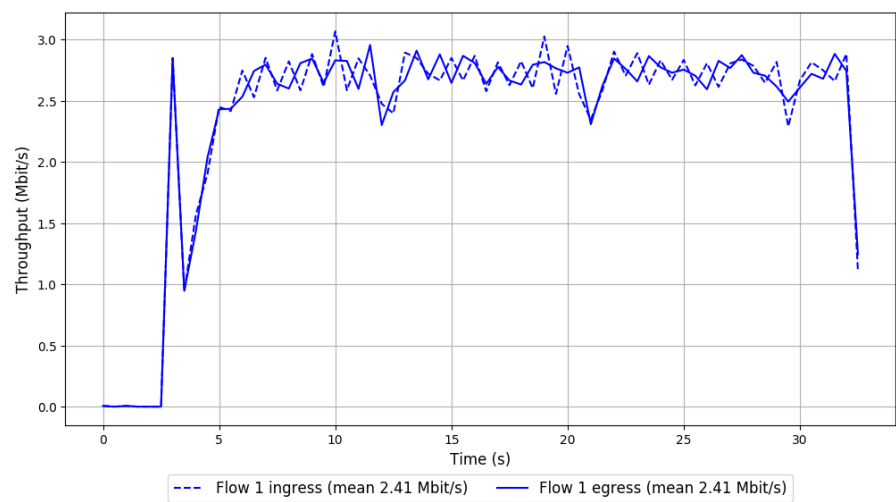


Run 8: Statistics of WebRTC media

Start at: 2018-02-16 05:32:55
End at: 2018-02-16 05:33:25
Local clock offset: 1.137 ms
Remote clock offset: -5.462 ms

Below is generated by plot.py at 2018-02-16 09:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 19.007 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 19.007 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

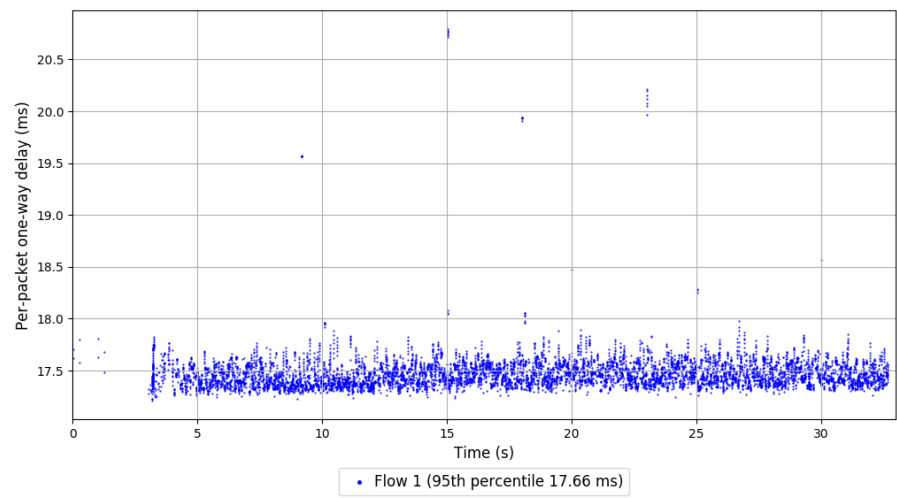
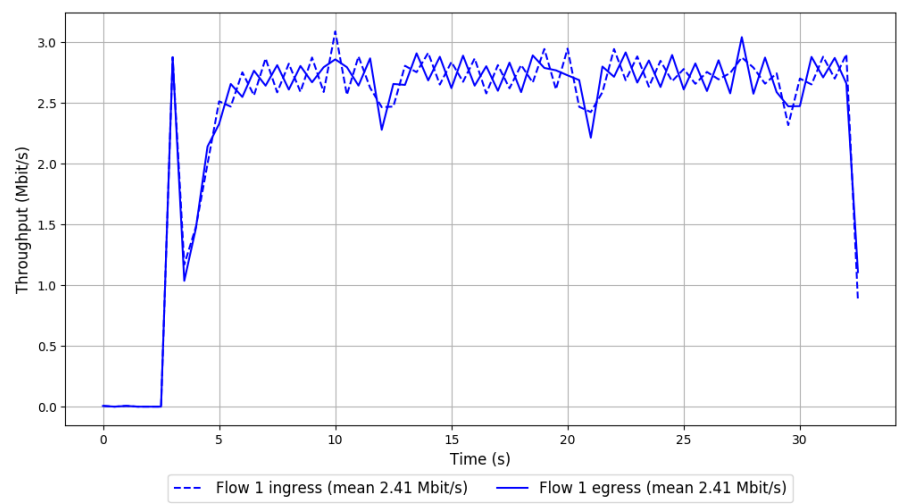


Run 9: Statistics of WebRTC media

Start at: 2018-02-16 05:58:01
End at: 2018-02-16 05:58:31
Local clock offset: 2.717 ms
Remote clock offset: -5.739 ms

Below is generated by plot.py at 2018-02-16 09:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 17.662 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 17.662 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-02-16 06:23:36

End at: 2018-02-16 06:24:06

Local clock offset: 2.623 ms

Remote clock offset: -6.441 ms

Below is generated by plot.py at 2018-02-16 09:29:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.41 Mbit/s

95th percentile per-packet one-way delay: 19.062 ms

Loss rate: 0.00%

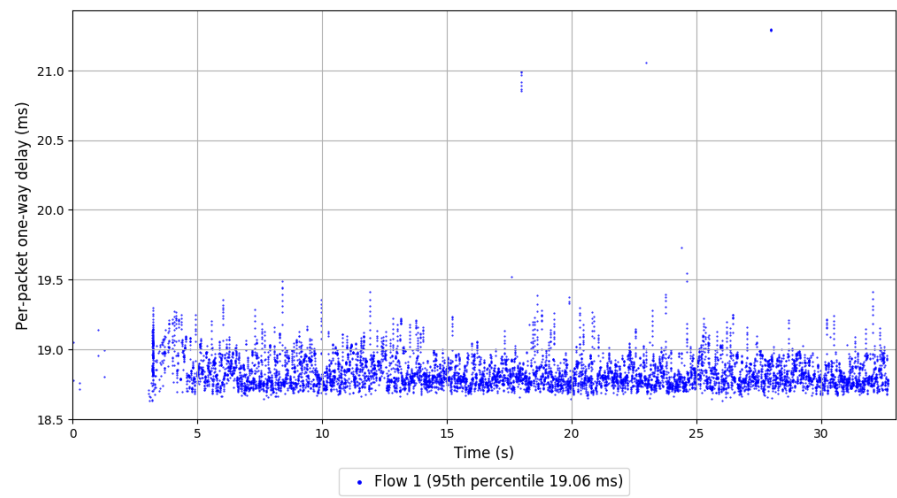
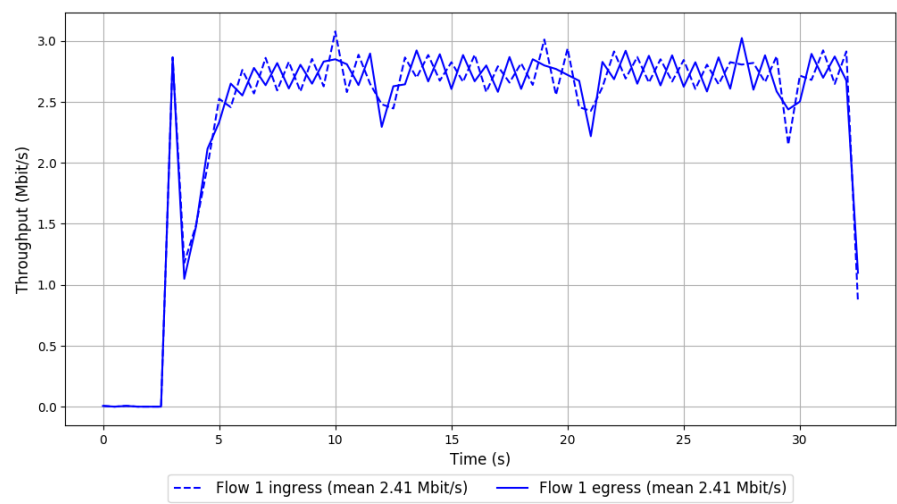
-- Flow 1:

Average throughput: 2.41 Mbit/s

95th percentile per-packet one-way delay: 19.062 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

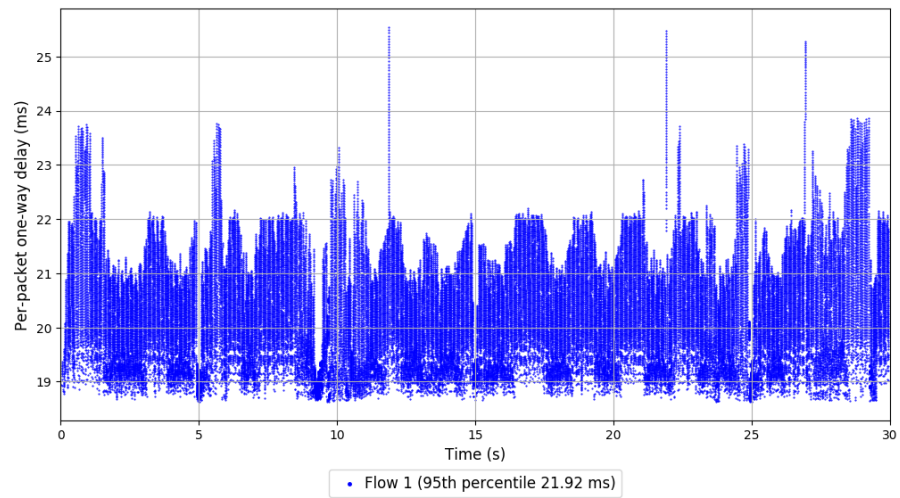
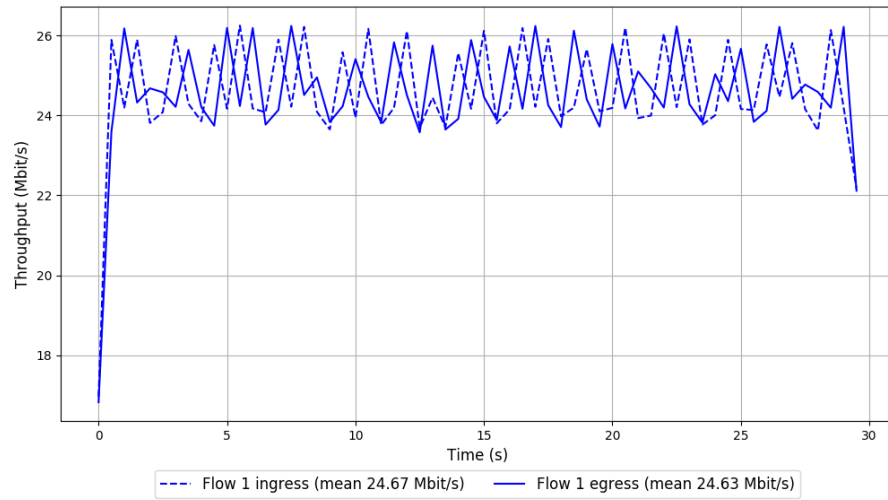


Run 1: Statistics of Sprout

Start at: 2018-02-16 02:22:12
End at: 2018-02-16 02:22:42
Local clock offset: 0.492 ms
Remote clock offset: -4.435 ms

Below is generated by plot.py at 2018-02-16 09:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.63 Mbit/s
95th percentile per-packet one-way delay: 21.922 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 24.63 Mbit/s
95th percentile per-packet one-way delay: 21.922 ms
Loss rate: 0.16%

Run 1: Report of Sprout — Data Link

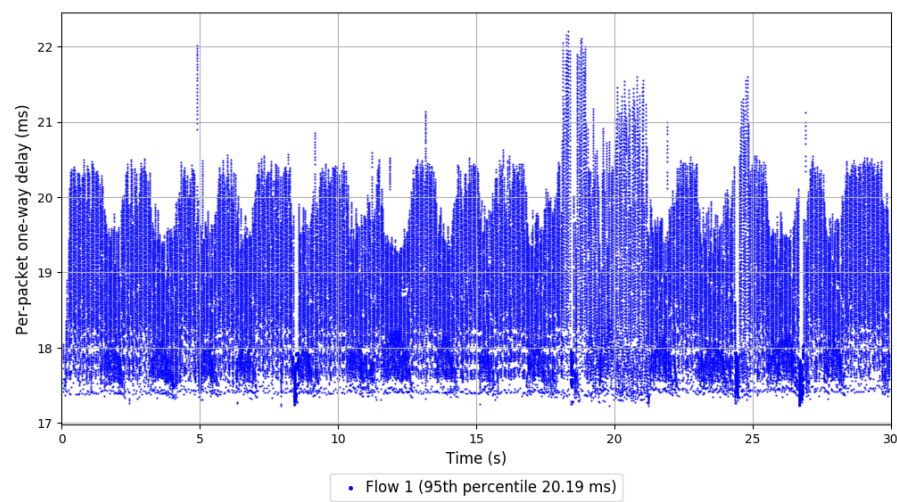
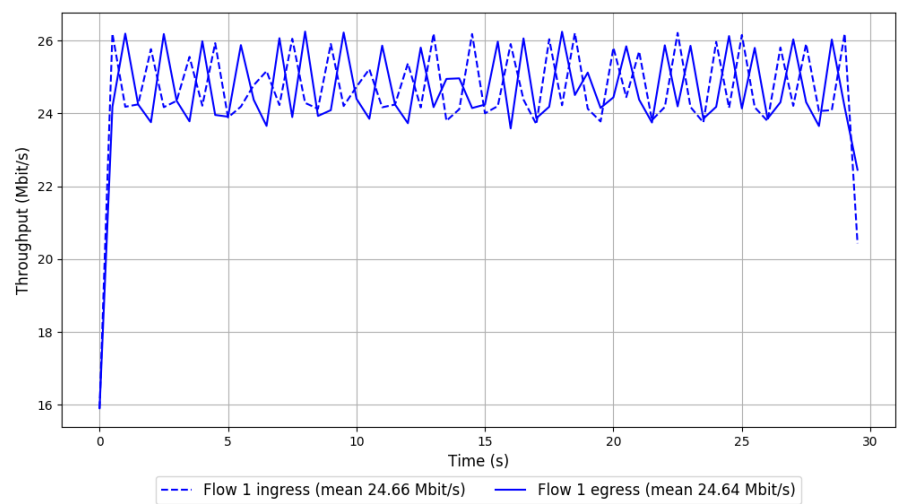


Run 2: Statistics of Sprout

Start at: 2018-02-16 02:47:08
End at: 2018-02-16 02:47:38
Local clock offset: 0.556 ms
Remote clock offset: -5.268 ms

Below is generated by plot.py at 2018-02-16 09:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.64 Mbit/s
95th percentile per-packet one-way delay: 20.191 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.64 Mbit/s
95th percentile per-packet one-way delay: 20.191 ms
Loss rate: 0.07%

Run 2: Report of Sprout — Data Link

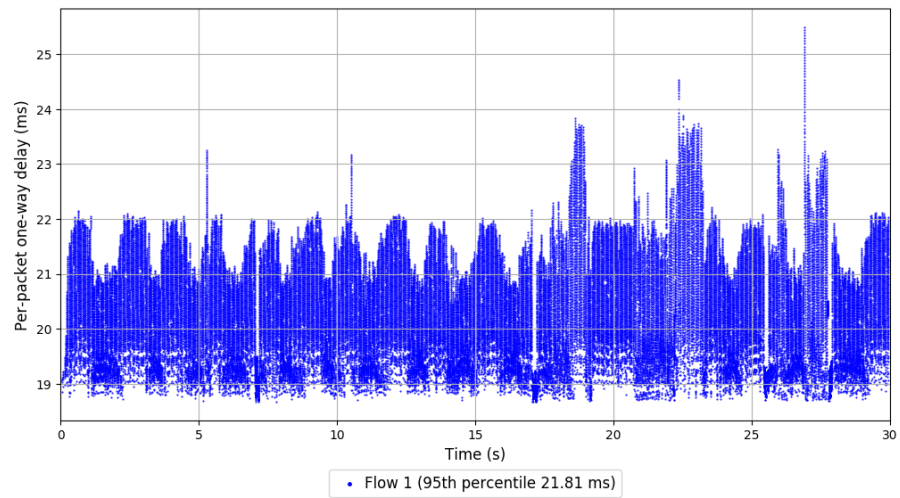
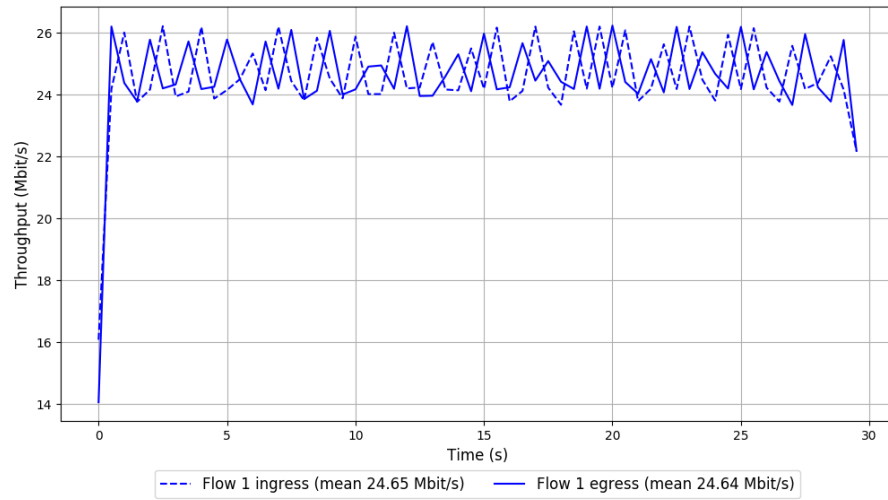


Run 3: Statistics of Sprout

Start at: 2018-02-16 03:12:19
End at: 2018-02-16 03:12:49
Local clock offset: 0.941 ms
Remote clock offset: -5.917 ms

Below is generated by plot.py at 2018-02-16 09:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.64 Mbit/s
95th percentile per-packet one-way delay: 21.814 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 24.64 Mbit/s
95th percentile per-packet one-way delay: 21.814 ms
Loss rate: 0.03%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-02-16 03:37:18

End at: 2018-02-16 03:37:48

Local clock offset: 0.697 ms

Remote clock offset: -6.37 ms

Below is generated by plot.py at 2018-02-16 09:29:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.70 Mbit/s

95th percentile per-packet one-way delay: 21.873 ms

Loss rate: 0.01%

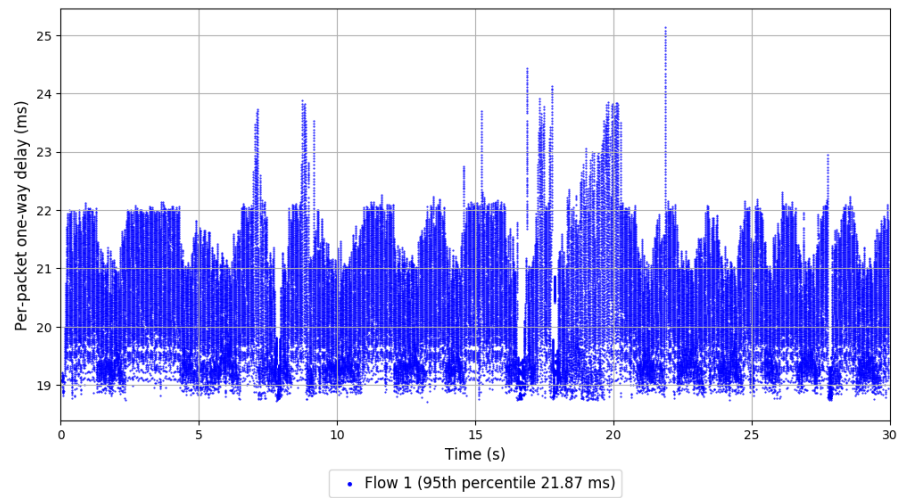
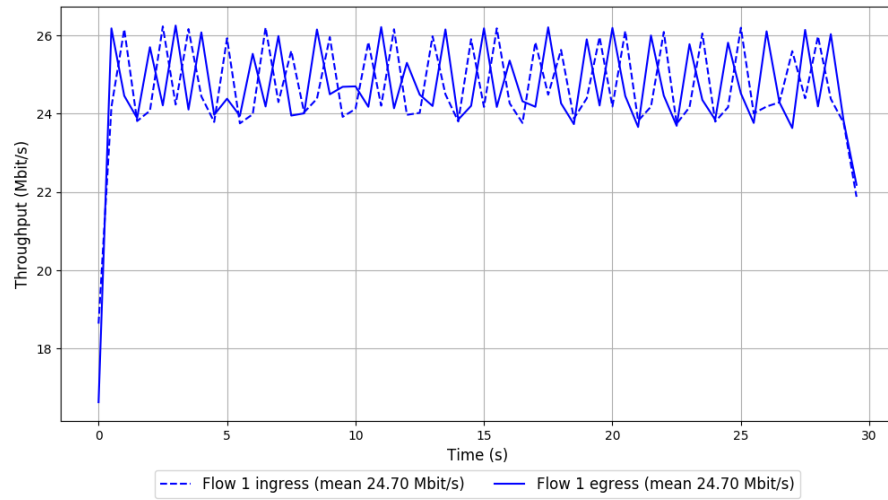
-- Flow 1:

Average throughput: 24.70 Mbit/s

95th percentile per-packet one-way delay: 21.873 ms

Loss rate: 0.01%

Run 4: Report of Sprout — Data Link

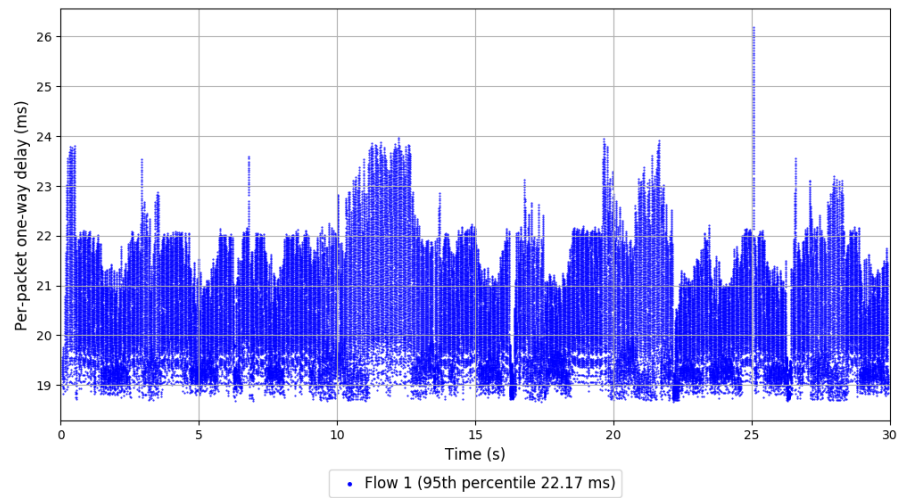
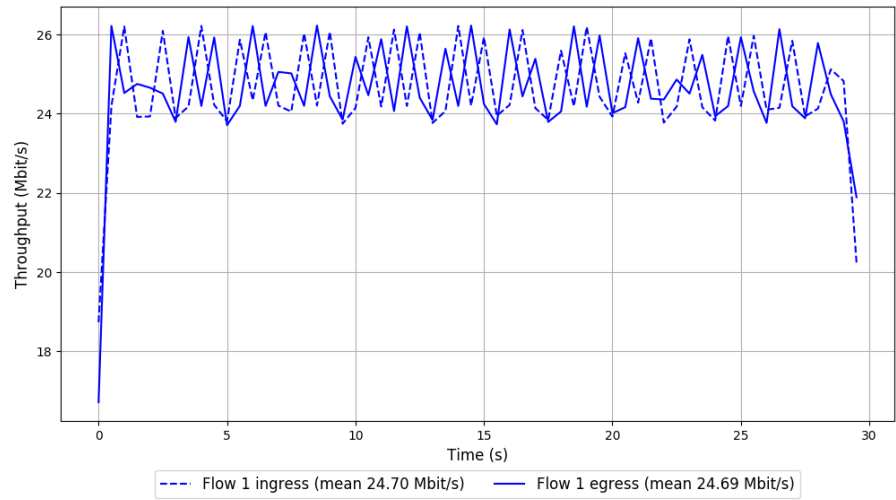


Run 5: Statistics of Sprout

Start at: 2018-02-16 04:02:19
End at: 2018-02-16 04:02:49
Local clock offset: 0.838 ms
Remote clock offset: -5.258 ms

Below is generated by plot.py at 2018-02-16 09:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 22.168 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 22.168 ms
Loss rate: 0.02%

Run 5: Report of Sprout — Data Link

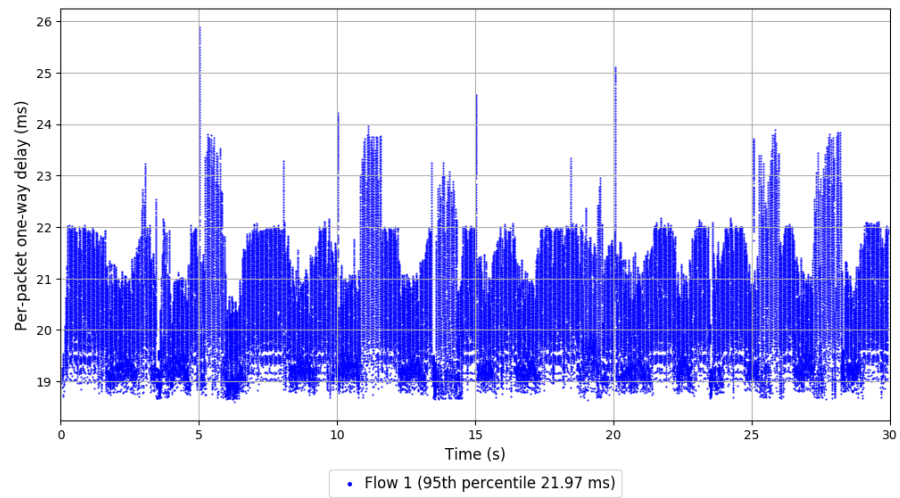
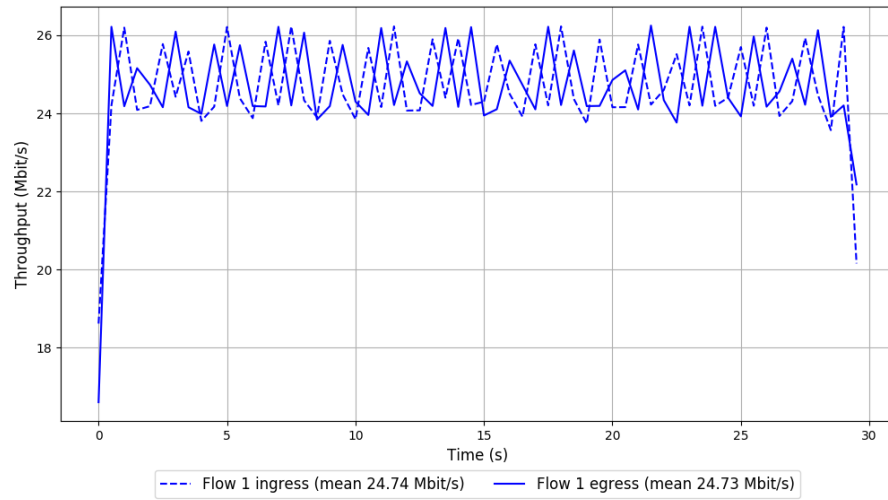


Run 6: Statistics of Sprout

Start at: 2018-02-16 04:27:32
End at: 2018-02-16 04:28:02
Local clock offset: 0.892 ms
Remote clock offset: -6.299 ms

Below is generated by plot.py at 2018-02-16 09:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.73 Mbit/s
95th percentile per-packet one-way delay: 21.974 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.73 Mbit/s
95th percentile per-packet one-way delay: 21.974 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

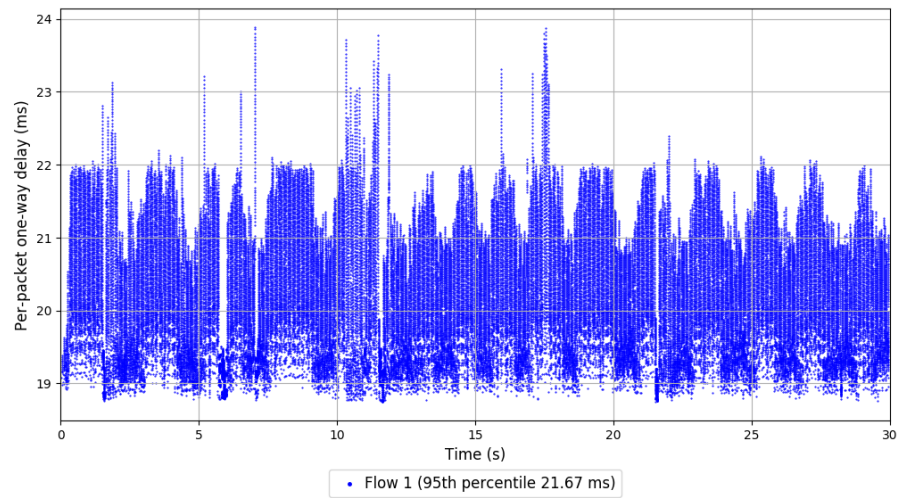
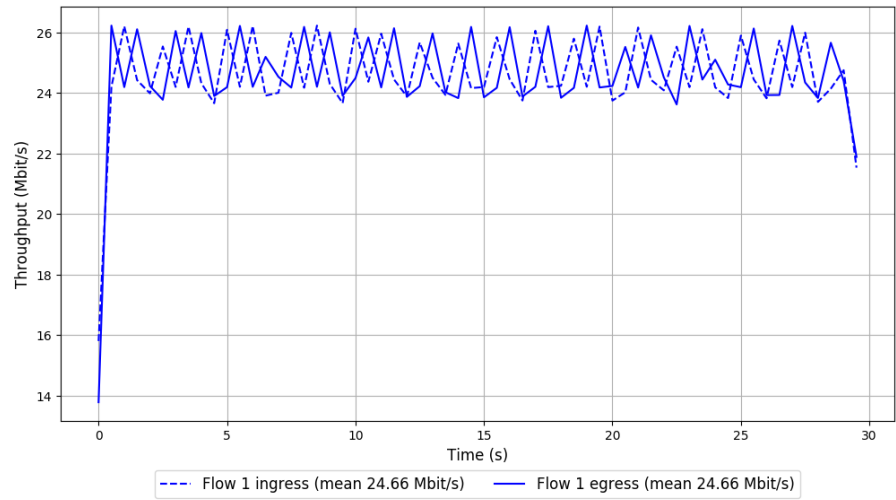


Run 7: Statistics of Sprout

Start at: 2018-02-16 04:52:43
End at: 2018-02-16 04:53:13
Local clock offset: 0.808 ms
Remote clock offset: -5.916 ms

Below is generated by plot.py at 2018-02-16 09:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 21.670 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 21.670 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

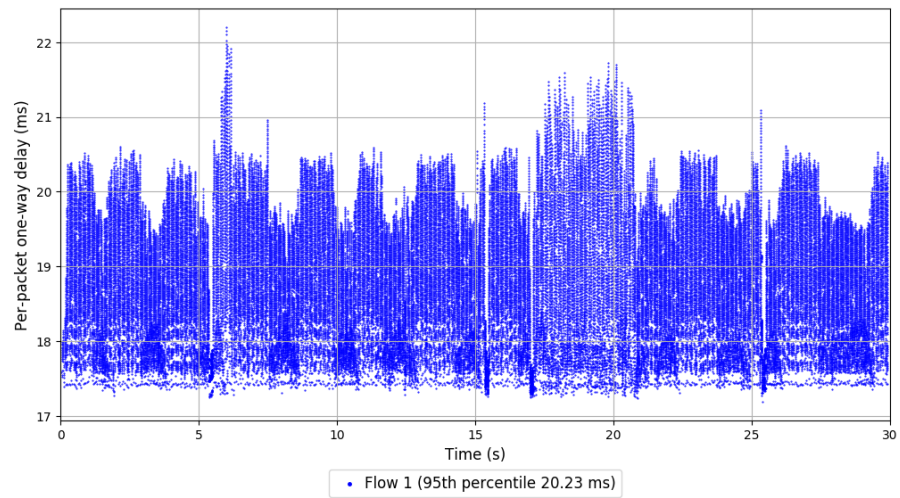
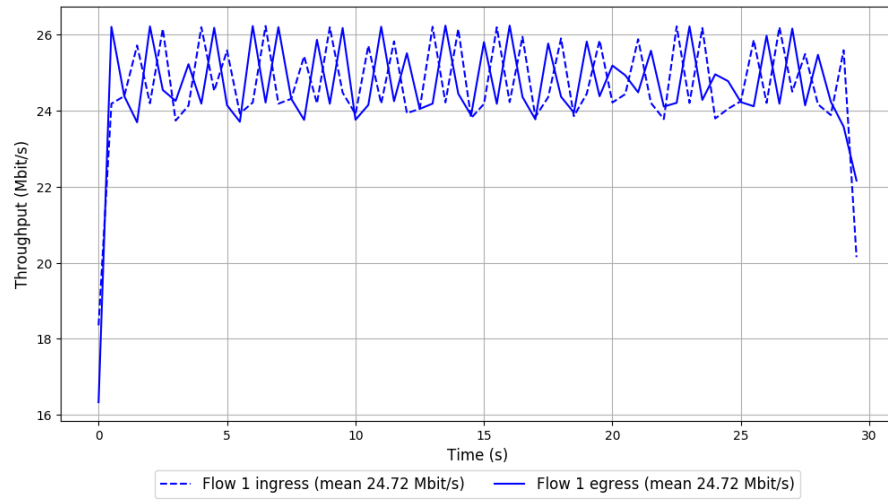


Run 8: Statistics of Sprout

Start at: 2018-02-16 05:18:29
End at: 2018-02-16 05:18:59
Local clock offset: 1.091 ms
Remote clock offset: -5.159 ms

Below is generated by plot.py at 2018-02-16 09:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 20.227 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 20.227 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

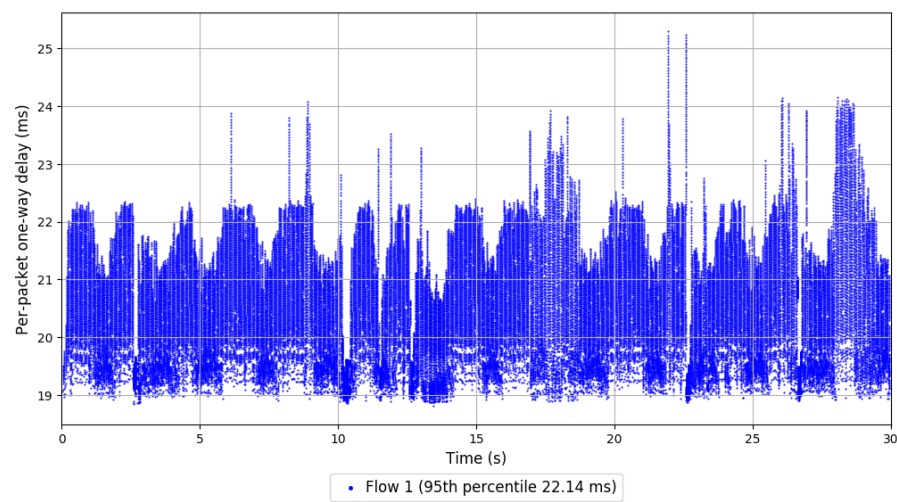
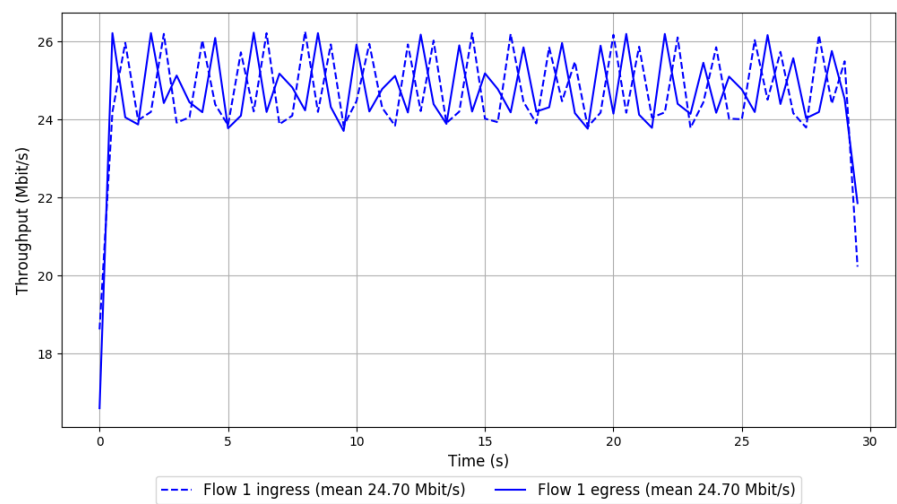


Run 9: Statistics of Sprout

Start at: 2018-02-16 05:43:31
End at: 2018-02-16 05:44:01
Local clock offset: 1.847 ms
Remote clock offset: -5.433 ms

Below is generated by plot.py at 2018-02-16 09:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 22.136 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 22.136 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

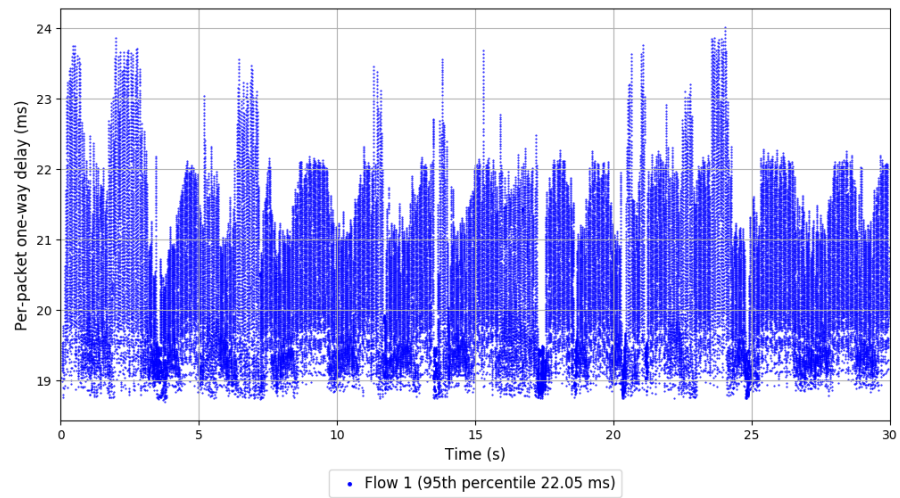
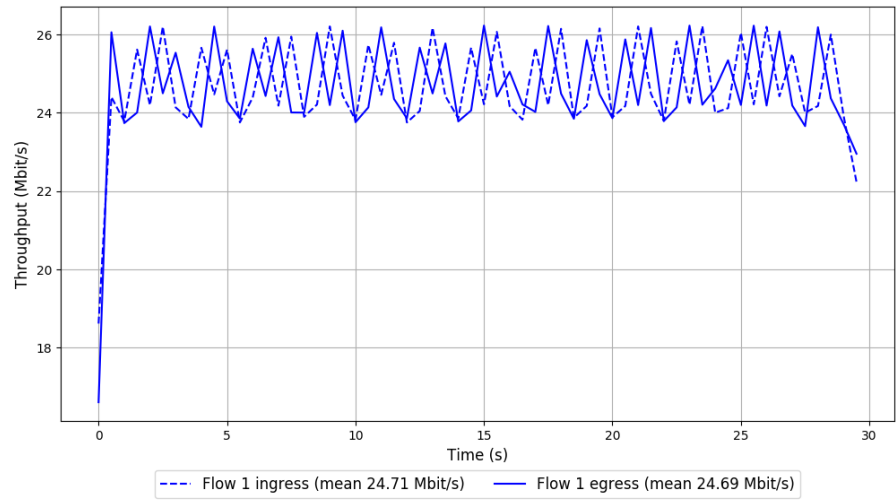


Run 10: Statistics of Sprout

Start at: 2018-02-16 06:08:50
End at: 2018-02-16 06:09:20
Local clock offset: 2.945 ms
Remote clock offset: -6.182 ms

Below is generated by plot.py at 2018-02-16 09:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 22.053 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 22.053 ms
Loss rate: 0.08%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-02-16 02:38:49

End at: 2018-02-16 02:39:19

Local clock offset: 0.551 ms

Remote clock offset: -4.988 ms

Below is generated by plot.py at 2018-02-16 09:29:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 275.63 Mbit/s

95th percentile per-packet one-way delay: 18.819 ms

Loss rate: 0.01%

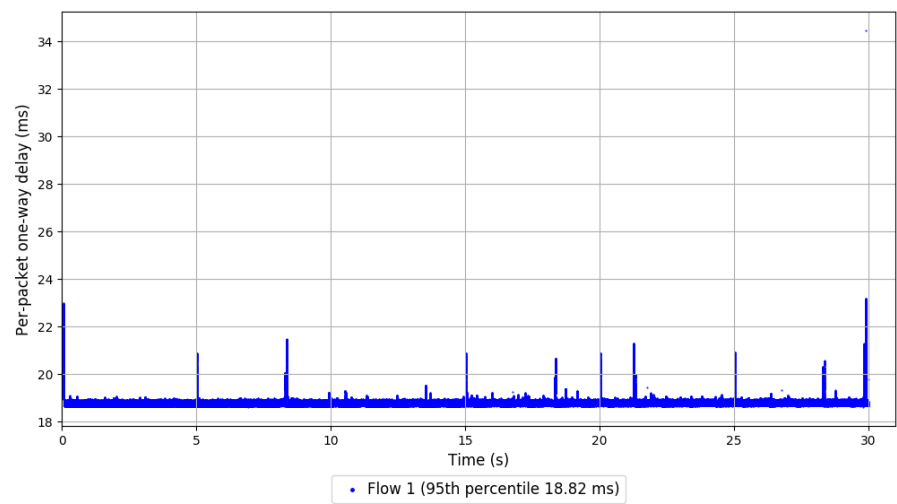
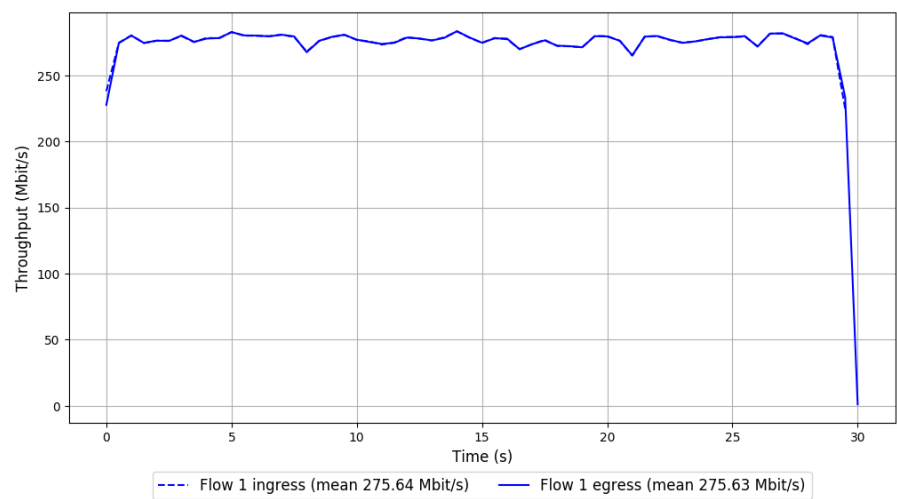
-- Flow 1:

Average throughput: 275.63 Mbit/s

95th percentile per-packet one-way delay: 18.819 ms

Loss rate: 0.01%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-02-16 03:03:58

End at: 2018-02-16 03:04:28

Local clock offset: 0.877 ms

Remote clock offset: -5.384 ms

Below is generated by plot.py at 2018-02-16 09:29:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 273.68 Mbit/s

95th percentile per-packet one-way delay: 18.785 ms

Loss rate: 0.00%

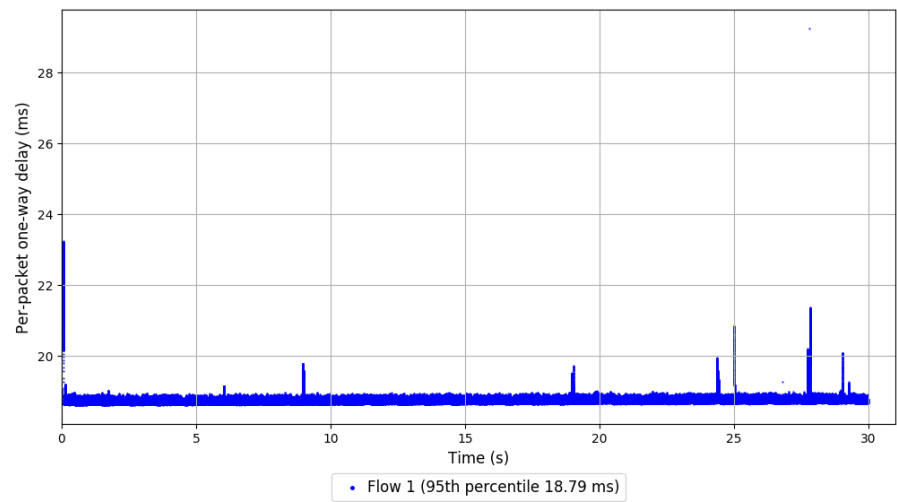
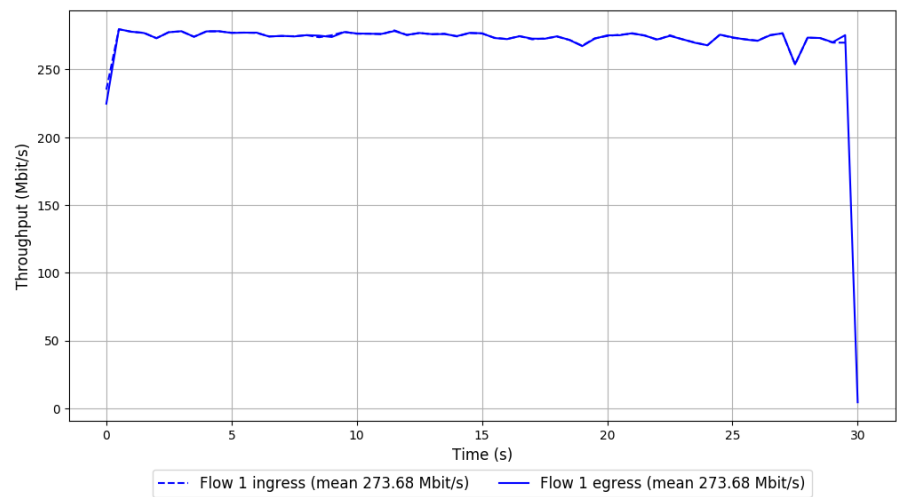
-- Flow 1:

Average throughput: 273.68 Mbit/s

95th percentile per-packet one-way delay: 18.785 ms

Loss rate: 0.00%

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

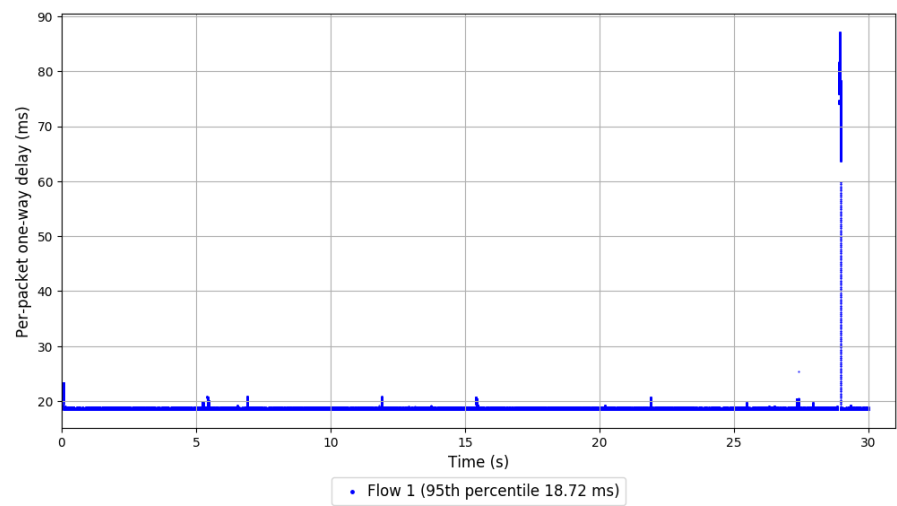
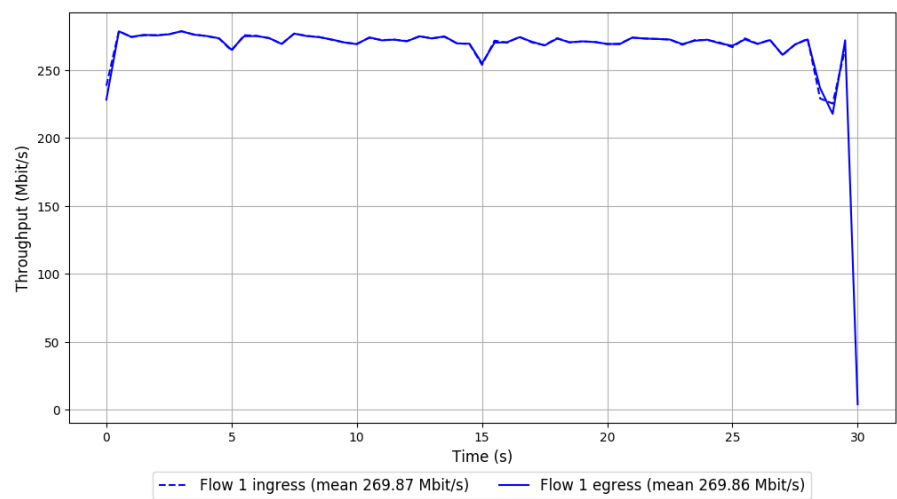


Run 3: Statistics of TaoVA-100x

Start at: 2018-02-16 03:29:01
End at: 2018-02-16 03:29:31
Local clock offset: 0.833 ms
Remote clock offset: -6.348 ms

Below is generated by plot.py at 2018-02-16 09:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 269.86 Mbit/s
95th percentile per-packet one-way delay: 18.724 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 269.86 Mbit/s
95th percentile per-packet one-way delay: 18.724 ms
Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-02-16 03:54:05

End at: 2018-02-16 03:54:35

Local clock offset: 0.707 ms

Remote clock offset: -5.473 ms

Below is generated by plot.py at 2018-02-16 09:29:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 267.65 Mbit/s

95th percentile per-packet one-way delay: 17.283 ms

Loss rate: 0.00%

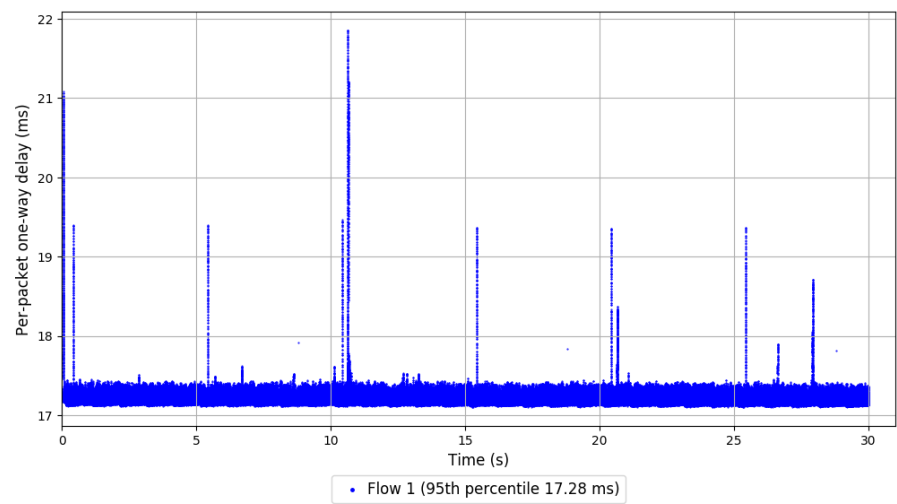
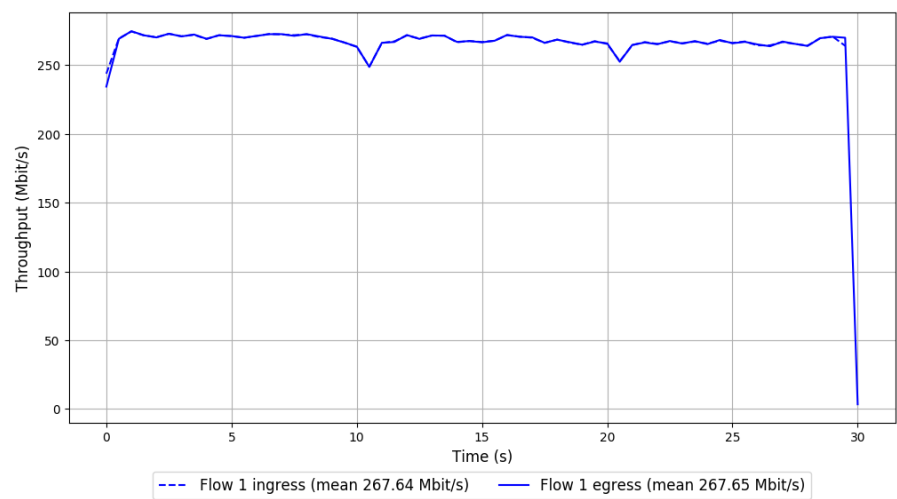
-- Flow 1:

Average throughput: 267.65 Mbit/s

95th percentile per-packet one-way delay: 17.283 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-02-16 04:19:10

End at: 2018-02-16 04:19:40

Local clock offset: 0.888 ms

Remote clock offset: -5.906 ms

Below is generated by plot.py at 2018-02-16 09:29:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 269.18 Mbit/s

95th percentile per-packet one-way delay: 18.797 ms

Loss rate: 0.00%

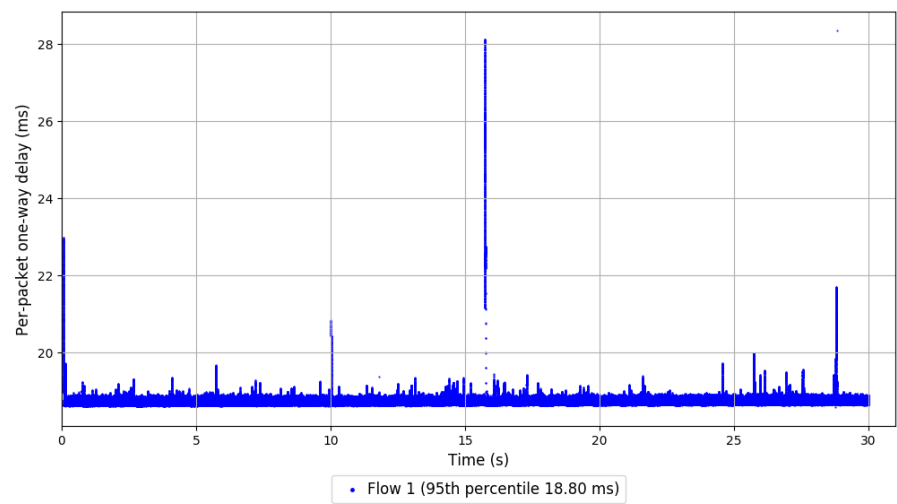
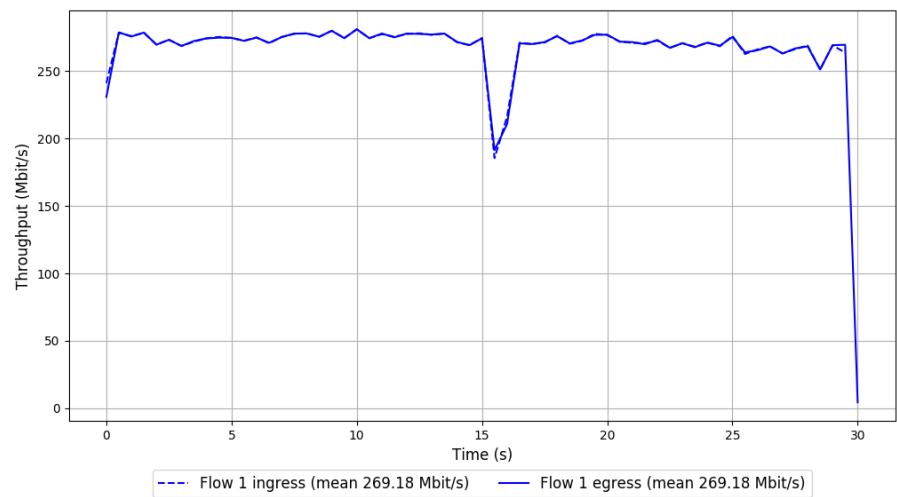
-- Flow 1:

Average throughput: 269.18 Mbit/s

95th percentile per-packet one-way delay: 18.797 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-02-16 04:44:20

End at: 2018-02-16 04:44:50

Local clock offset: 0.909 ms

Remote clock offset: -6.664 ms

Below is generated by plot.py at 2018-02-16 09:29:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 265.37 Mbit/s

95th percentile per-packet one-way delay: 18.823 ms

Loss rate: 0.00%

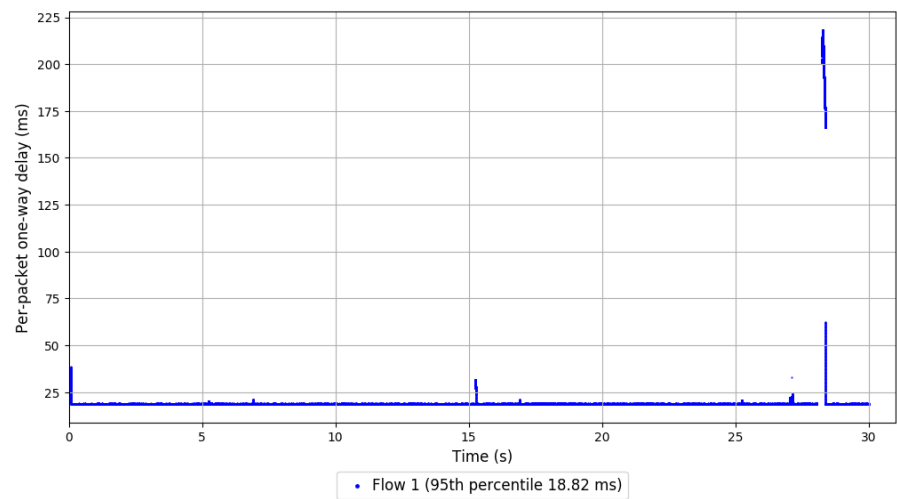
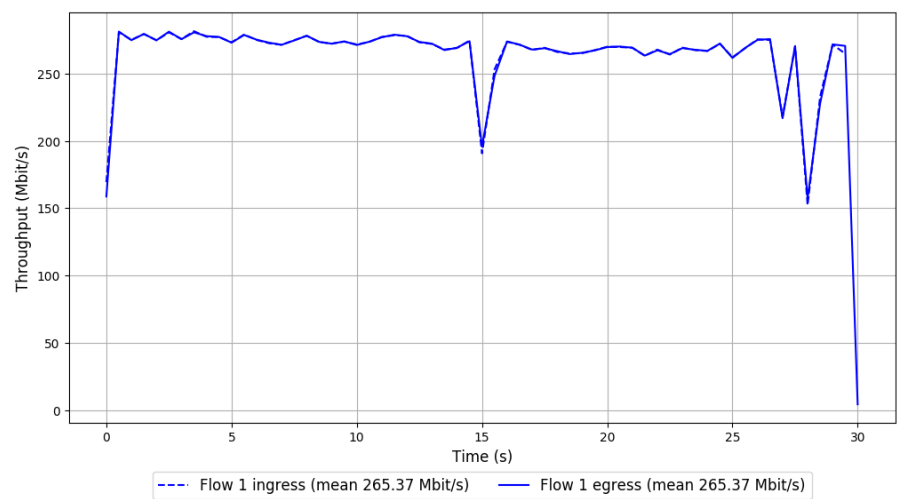
-- Flow 1:

Average throughput: 265.37 Mbit/s

95th percentile per-packet one-way delay: 18.823 ms

Loss rate: 0.00%

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

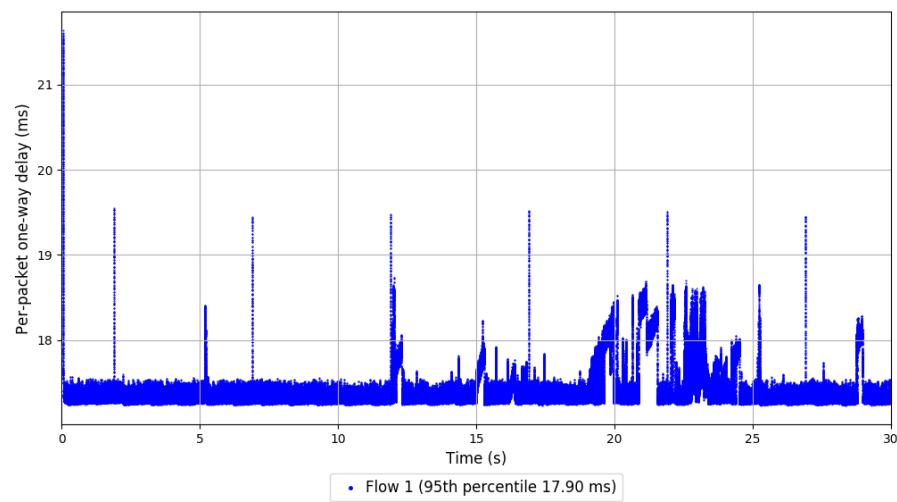
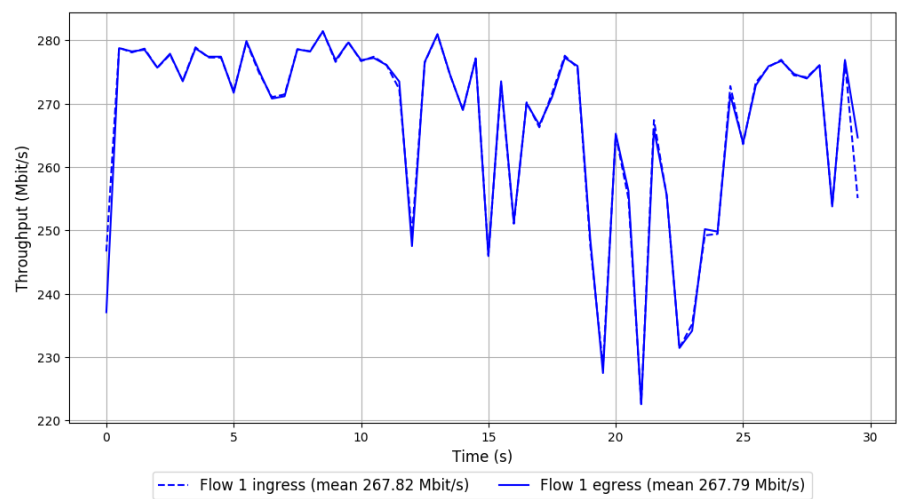


Run 7: Statistics of TaoVA-100x

Start at: 2018-02-16 05:09:29
End at: 2018-02-16 05:09:59
Local clock offset: 0.926 ms
Remote clock offset: -5.309 ms

Below is generated by plot.py at 2018-02-16 09:35:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 267.79 Mbit/s
95th percentile per-packet one-way delay: 17.903 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 267.79 Mbit/s
95th percentile per-packet one-way delay: 17.903 ms
Loss rate: 0.01%

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

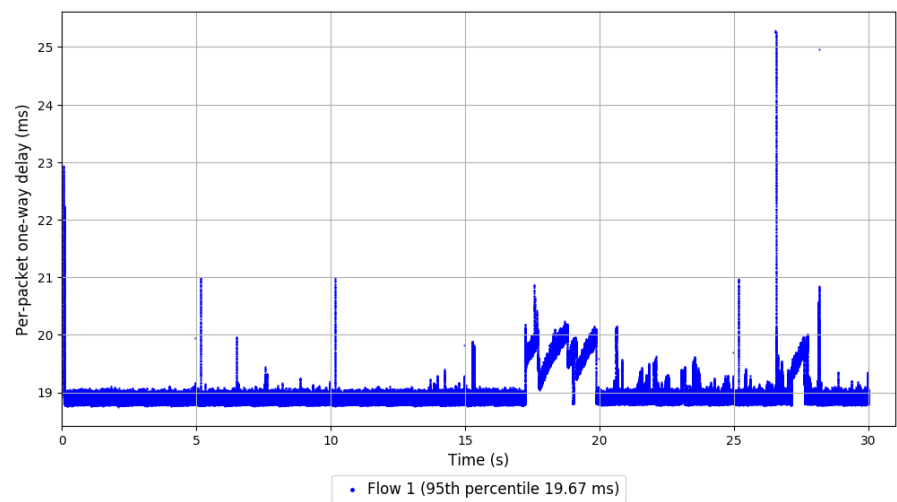
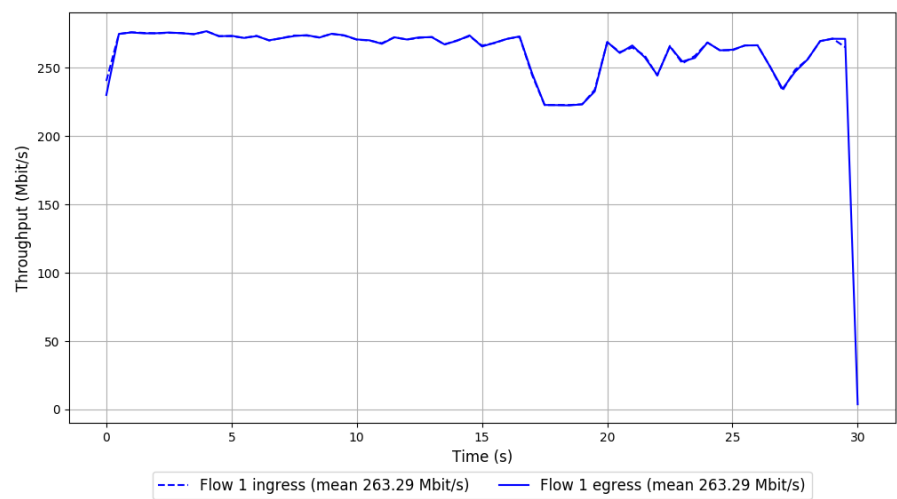


Run 8: Statistics of TaoVA-100x

Start at: 2018-02-16 05:35:17
End at: 2018-02-16 05:35:48
Local clock offset: 1.071 ms
Remote clock offset: -5.391 ms

Below is generated by plot.py at 2018-02-16 09:35:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 263.29 Mbit/s
95th percentile per-packet one-way delay: 19.667 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 263.29 Mbit/s
95th percentile per-packet one-way delay: 19.667 ms
Loss rate: 0.01%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-02-16 06:00:24

End at: 2018-02-16 06:00:54

Local clock offset: 2.709 ms

Remote clock offset: -5.913 ms

Below is generated by plot.py at 2018-02-16 09:35:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 269.89 Mbit/s

95th percentile per-packet one-way delay: 18.900 ms

Loss rate: 0.00%

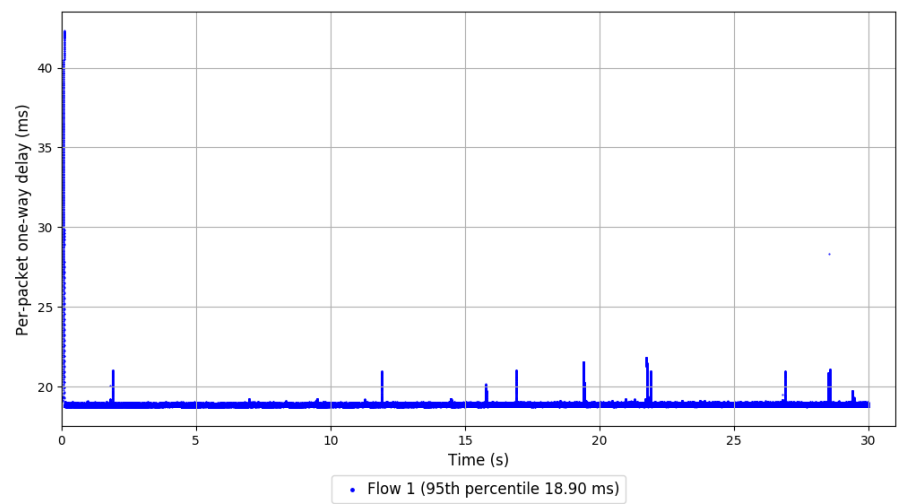
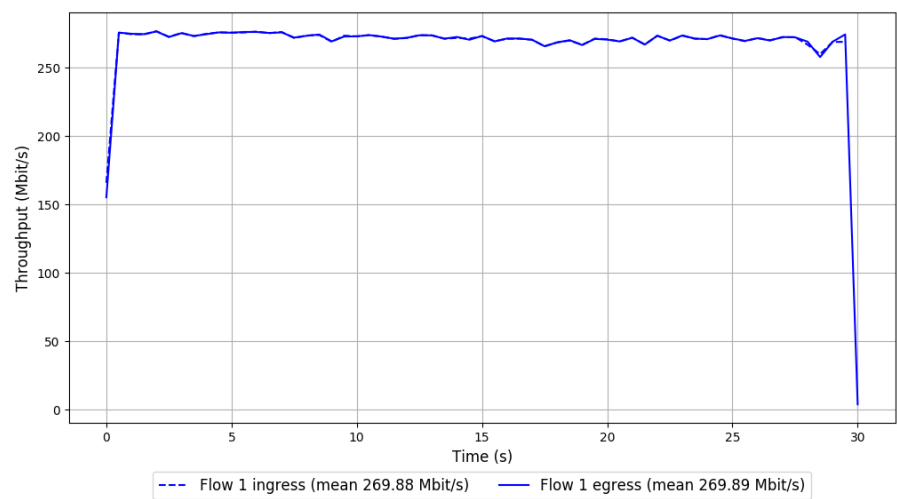
-- Flow 1:

Average throughput: 269.89 Mbit/s

95th percentile per-packet one-way delay: 18.900 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-02-16 06:25:59

End at: 2018-02-16 06:26:29

Local clock offset: 2.576 ms

Remote clock offset: -6.387 ms

Below is generated by plot.py at 2018-02-16 09:35:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 275.84 Mbit/s

95th percentile per-packet one-way delay: 18.868 ms

Loss rate: 0.00%

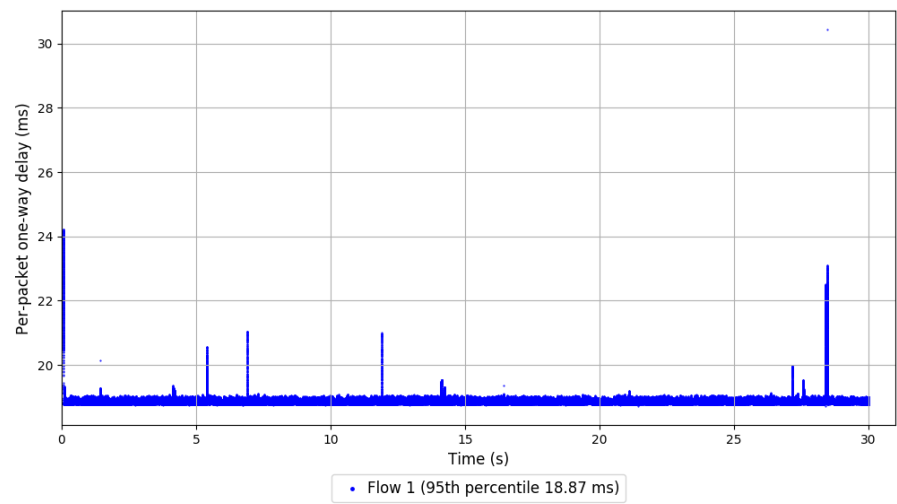
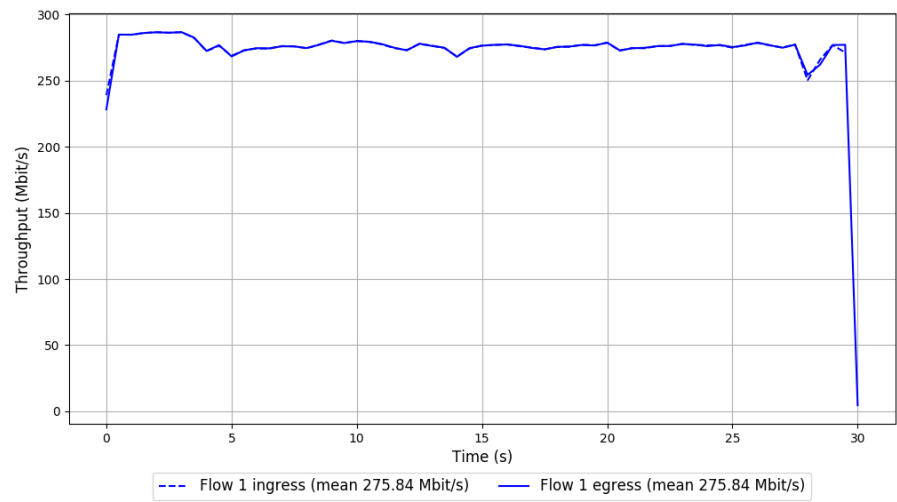
-- Flow 1:

Average throughput: 275.84 Mbit/s

95th percentile per-packet one-way delay: 18.868 ms

Loss rate: 0.00%

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

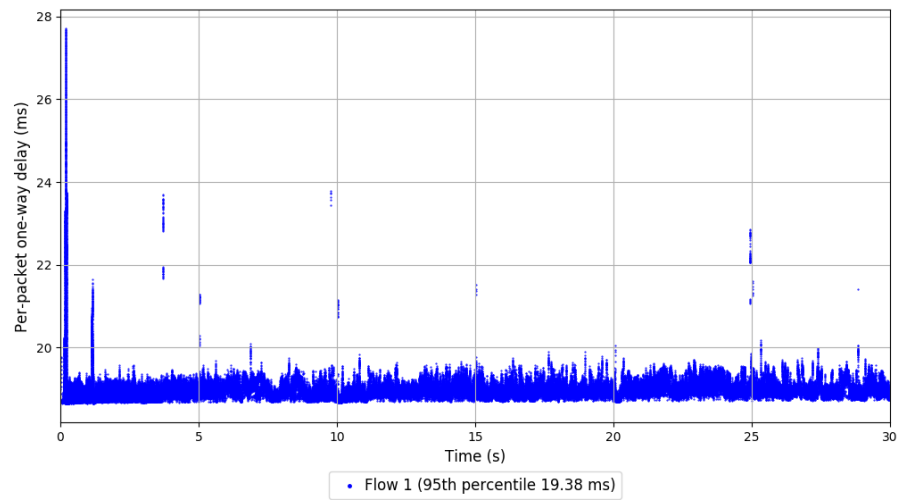
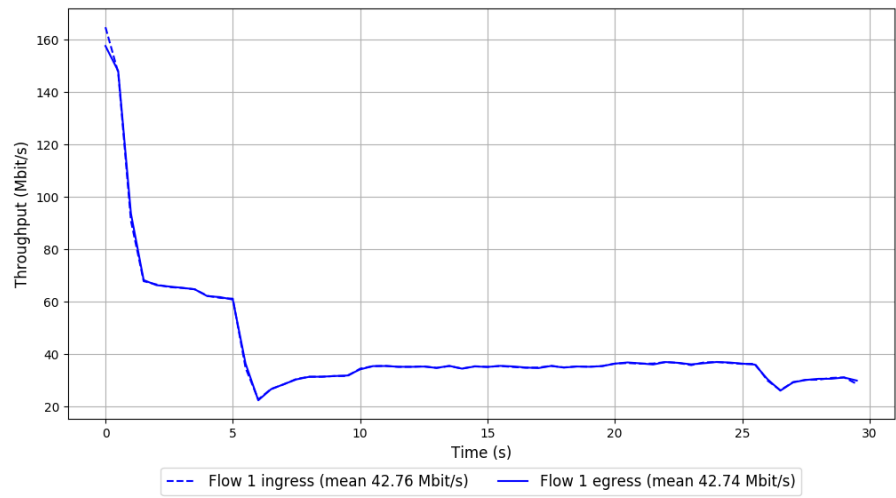


Run 1: Statistics of TCP Vegas

Start at: 2018-02-16 02:30:57
End at: 2018-02-16 02:31:27
Local clock offset: 0.546 ms
Remote clock offset: -4.339 ms

Below is generated by plot.py at 2018-02-16 09:35:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 42.74 Mbit/s
95th percentile per-packet one-way delay: 19.379 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 42.74 Mbit/s
95th percentile per-packet one-way delay: 19.379 ms
Loss rate: 0.05%

Run 1: Report of TCP Vegas — Data Link

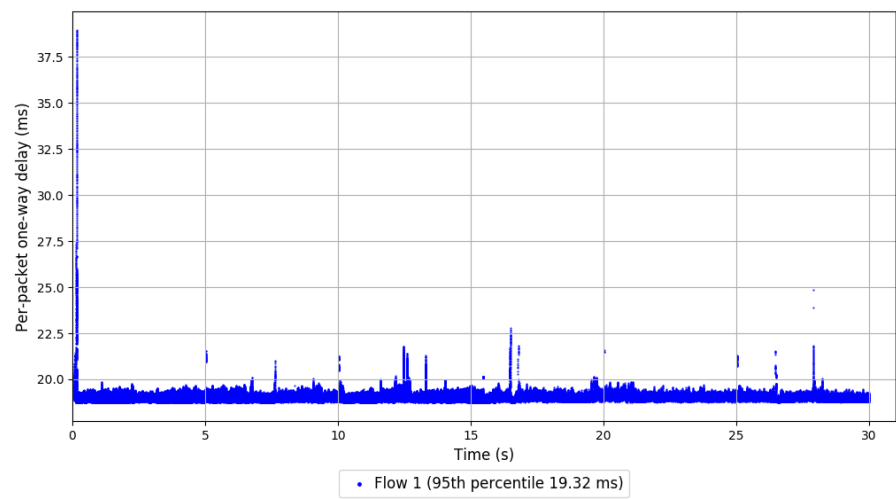
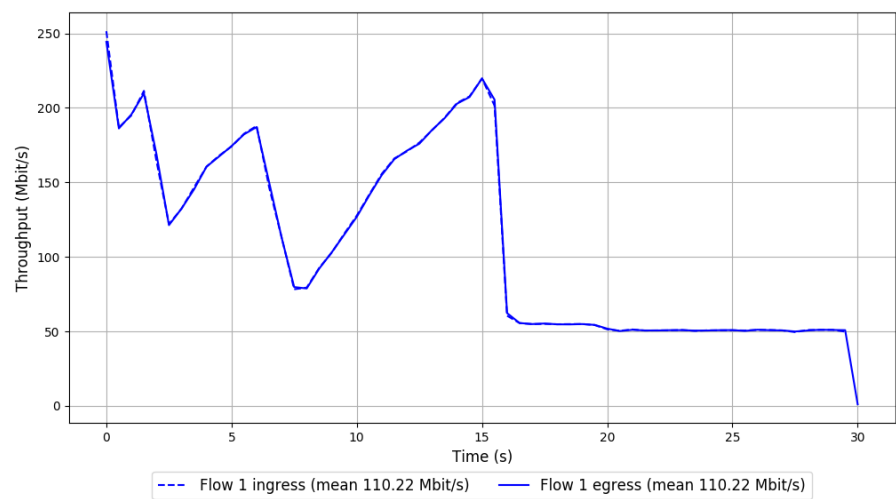


Run 2: Statistics of TCP Vegas

Start at: 2018-02-16 02:56:00
End at: 2018-02-16 02:56:30
Local clock offset: 0.768 ms
Remote clock offset: -5.284 ms

Below is generated by plot.py at 2018-02-16 09:35:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 110.22 Mbit/s
95th percentile per-packet one-way delay: 19.322 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 110.22 Mbit/s
95th percentile per-packet one-way delay: 19.322 ms
Loss rate: 0.01%

Run 2: Report of TCP Vegas — Data Link

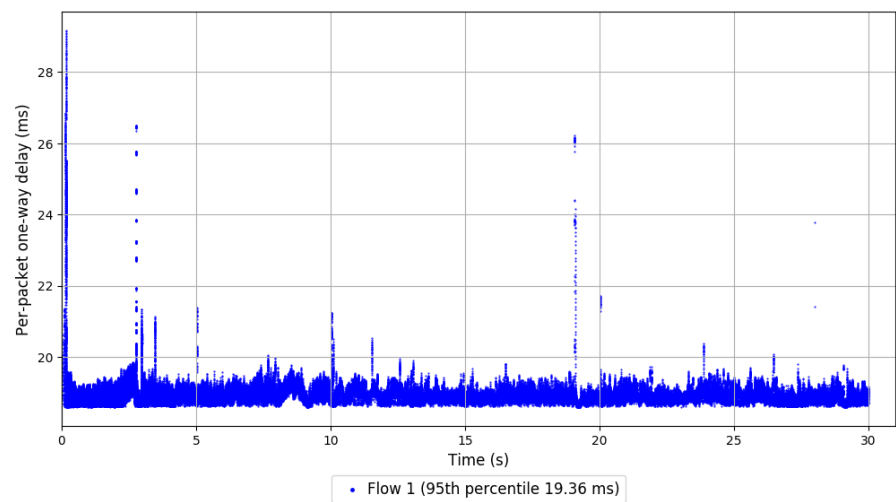
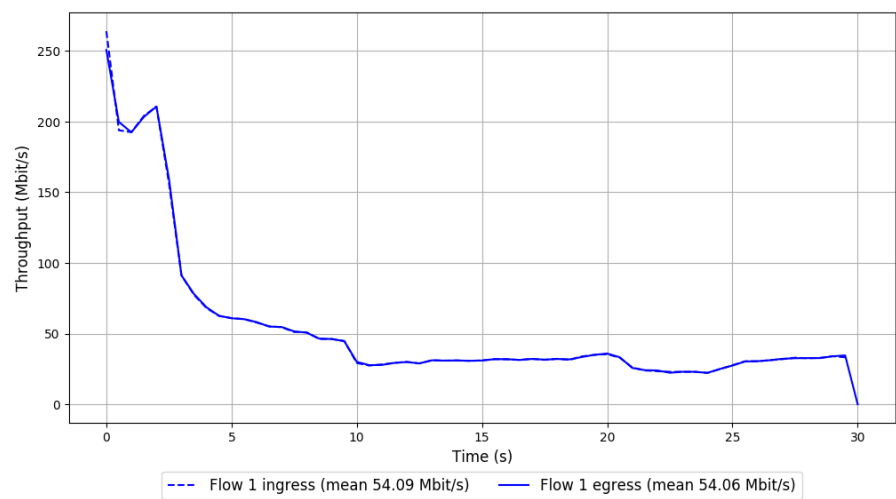


Run 3: Statistics of TCP Vegas

Start at: 2018-02-16 03:21:07
End at: 2018-02-16 03:21:37
Local clock offset: 1.049 ms
Remote clock offset: -6.166 ms

Below is generated by plot.py at 2018-02-16 09:35:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 54.06 Mbit/s
95th percentile per-packet one-way delay: 19.361 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 54.06 Mbit/s
95th percentile per-packet one-way delay: 19.361 ms
Loss rate: 0.05%

Run 3: Report of TCP Vegas — Data Link

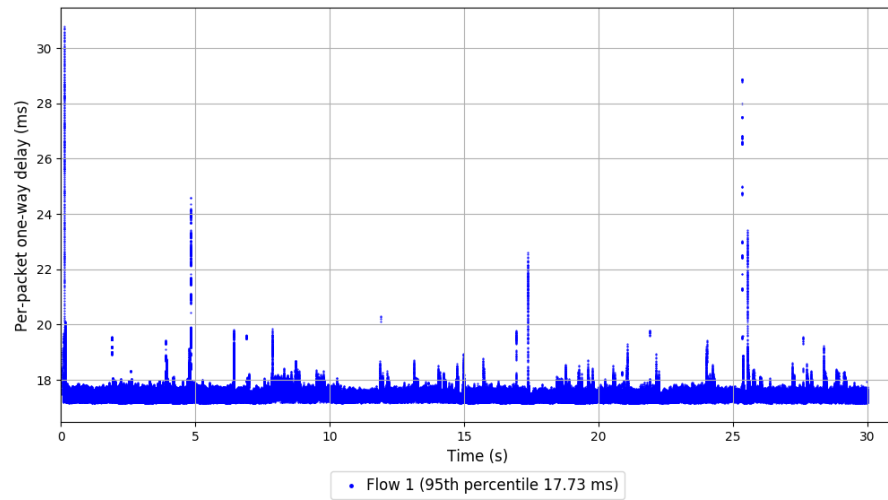
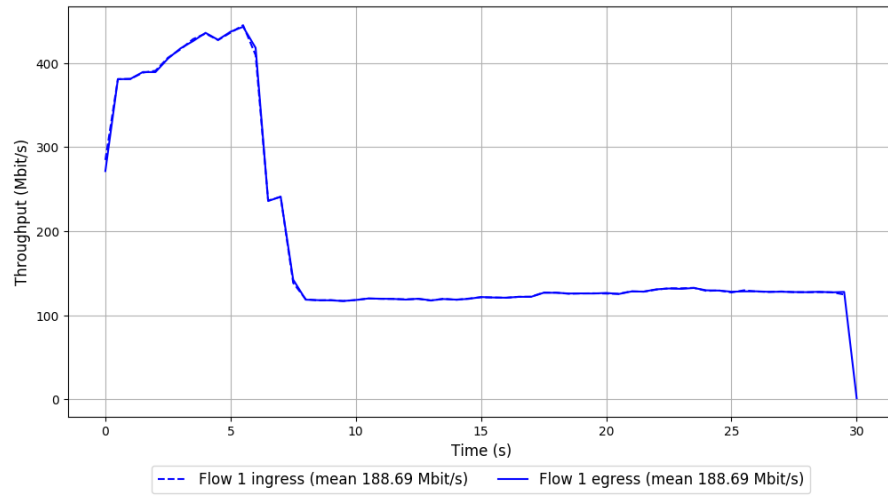


Run 4: Statistics of TCP Vegas

Start at: 2018-02-16 03:46:01
End at: 2018-02-16 03:46:31
Local clock offset: 0.708 ms
Remote clock offset: -5.725 ms

Below is generated by plot.py at 2018-02-16 09:35:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 188.69 Mbit/s
95th percentile per-packet one-way delay: 17.725 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 188.69 Mbit/s
95th percentile per-packet one-way delay: 17.725 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

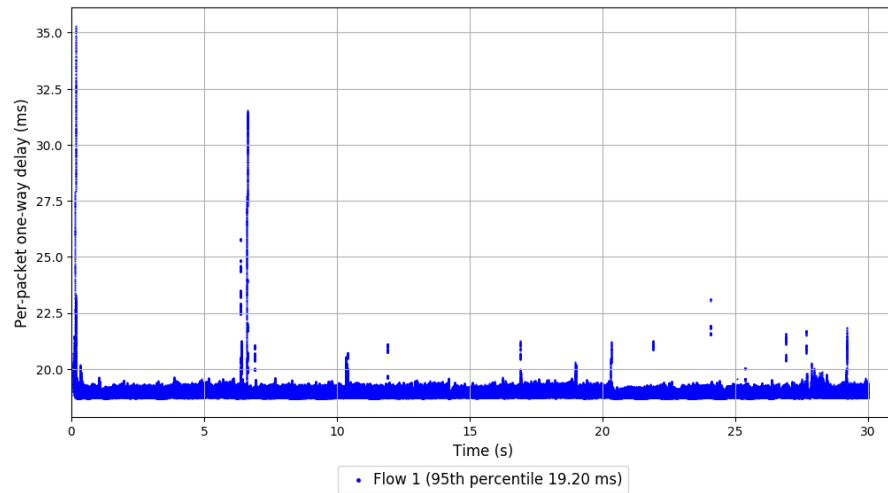
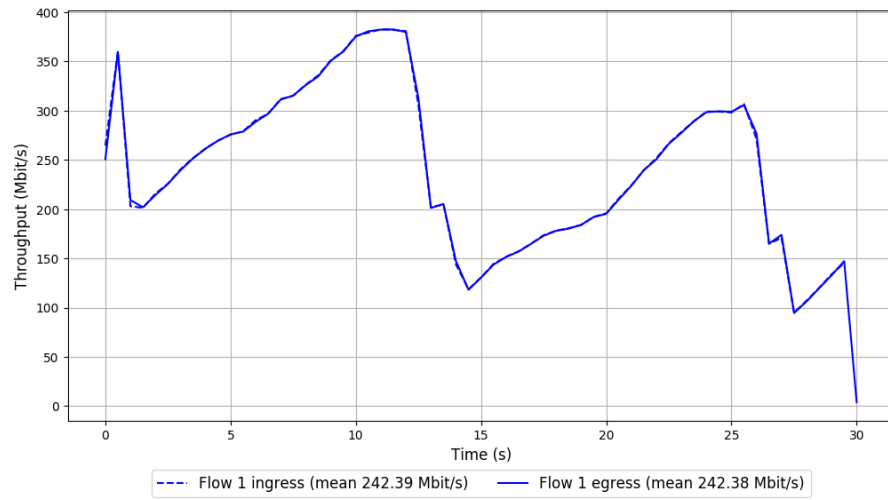


Run 5: Statistics of TCP Vegas

Start at: 2018-02-16 04:11:05
End at: 2018-02-16 04:11:35
Local clock offset: 0.788 ms
Remote clock offset: -5.225 ms

Below is generated by plot.py at 2018-02-16 09:35:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 242.38 Mbit/s
95th percentile per-packet one-way delay: 19.201 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 242.38 Mbit/s
95th percentile per-packet one-way delay: 19.201 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

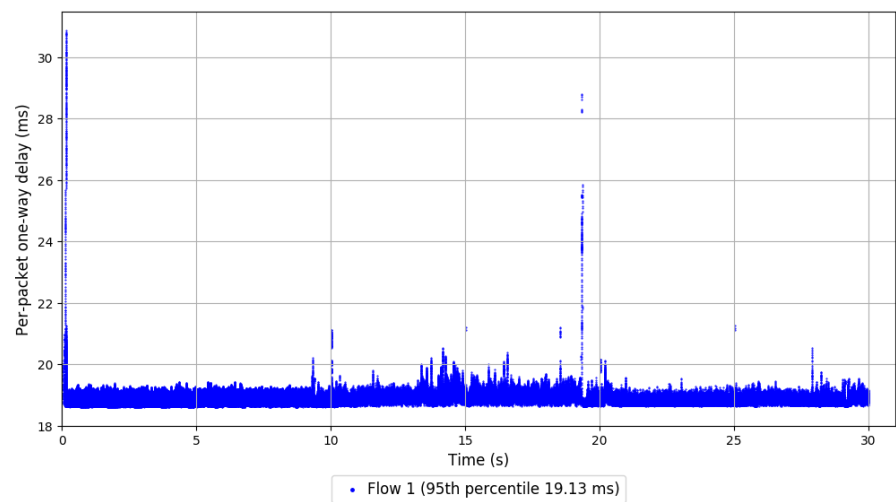
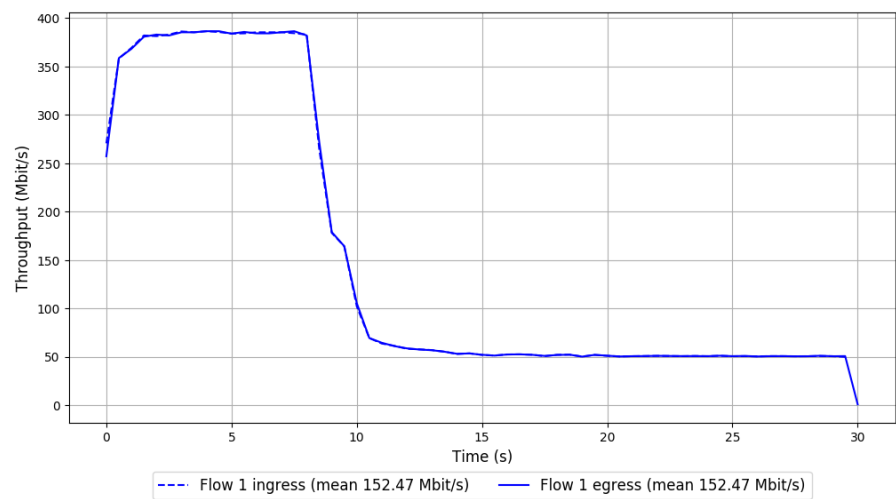


Run 6: Statistics of TCP Vegas

Start at: 2018-02-16 04:36:16
End at: 2018-02-16 04:36:46
Local clock offset: 0.933 ms
Remote clock offset: -6.536 ms

Below is generated by plot.py at 2018-02-16 09:35:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 152.47 Mbit/s
95th percentile per-packet one-way delay: 19.128 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 152.47 Mbit/s
95th percentile per-packet one-way delay: 19.128 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

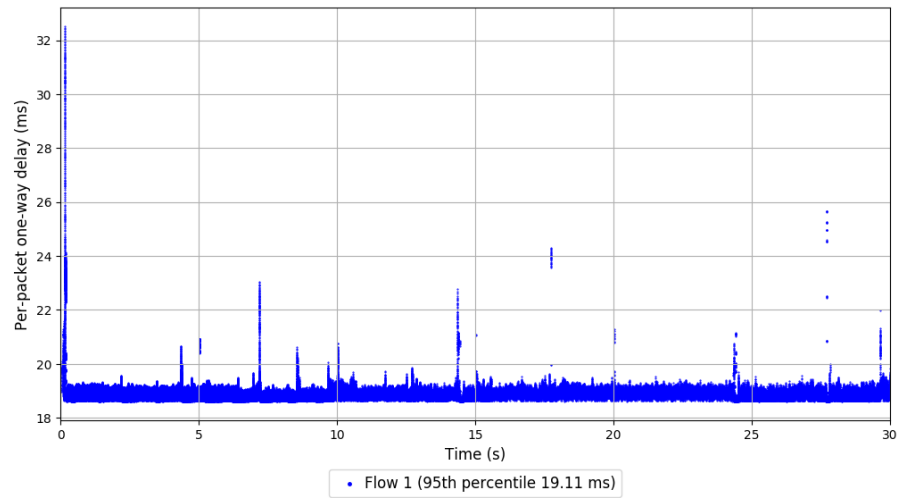
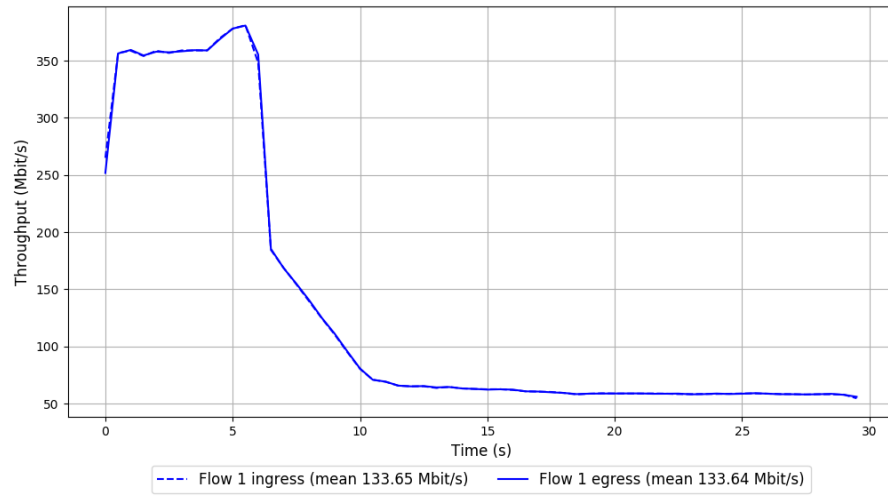


Run 7: Statistics of TCP Vegas

Start at: 2018-02-16 05:01:30
End at: 2018-02-16 05:02:00
Local clock offset: 0.877 ms
Remote clock offset: -5.495 ms

Below is generated by plot.py at 2018-02-16 09:35:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 133.64 Mbit/s
95th percentile per-packet one-way delay: 19.106 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 133.64 Mbit/s
95th percentile per-packet one-way delay: 19.106 ms
Loss rate: 0.01%

Run 7: Report of TCP Vegas — Data Link

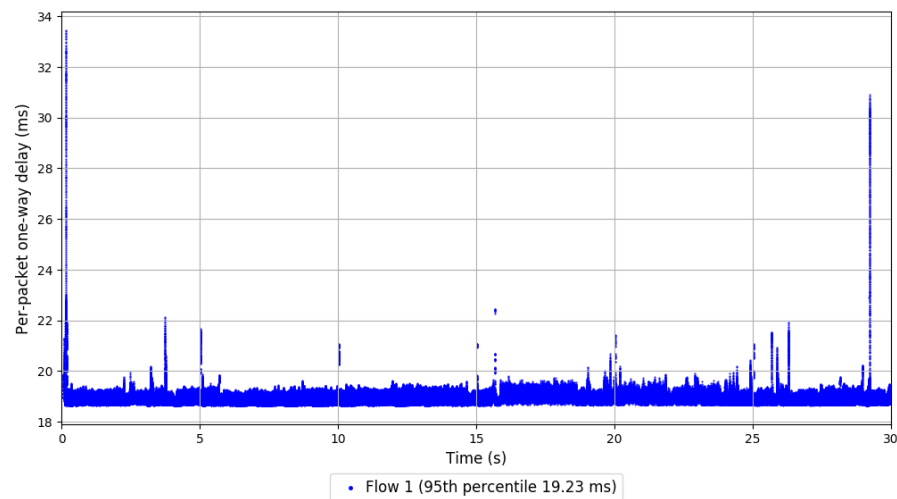
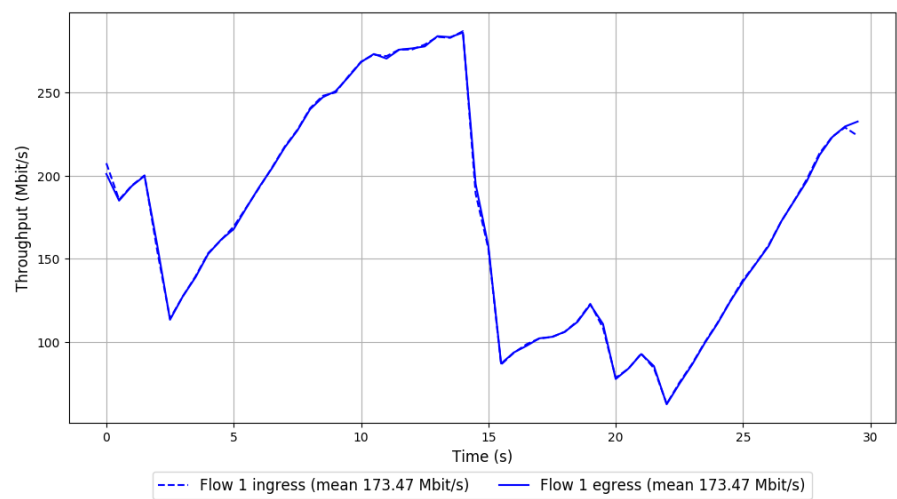


Run 8: Statistics of TCP Vegas

Start at: 2018-02-16 05:27:18
End at: 2018-02-16 05:27:48
Local clock offset: 1.138 ms
Remote clock offset: -5.339 ms

Below is generated by plot.py at 2018-02-16 09:35:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 173.47 Mbit/s
95th percentile per-packet one-way delay: 19.230 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 173.47 Mbit/s
95th percentile per-packet one-way delay: 19.230 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-02-16 05:52:15

End at: 2018-02-16 05:52:45

Local clock offset: 2.511 ms

Remote clock offset: -5.54 ms

Below is generated by plot.py at 2018-02-16 09:35:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 247.16 Mbit/s

95th percentile per-packet one-way delay: 19.209 ms

Loss rate: 0.00%

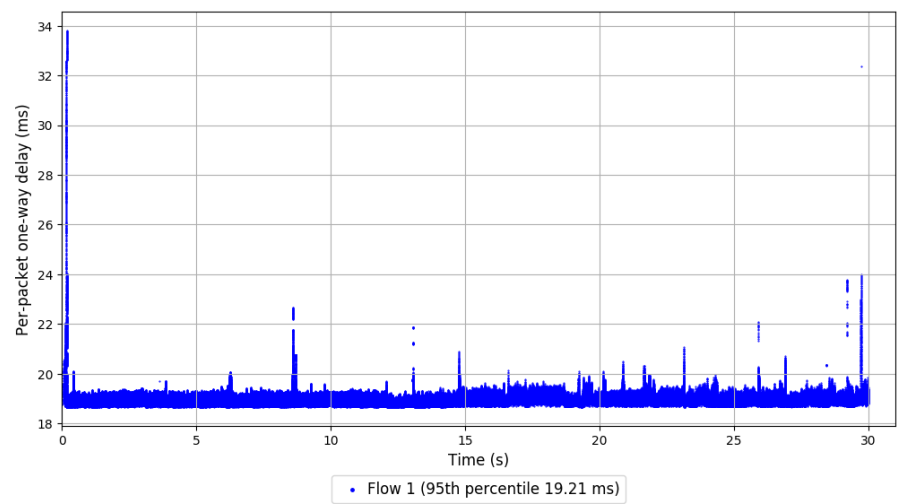
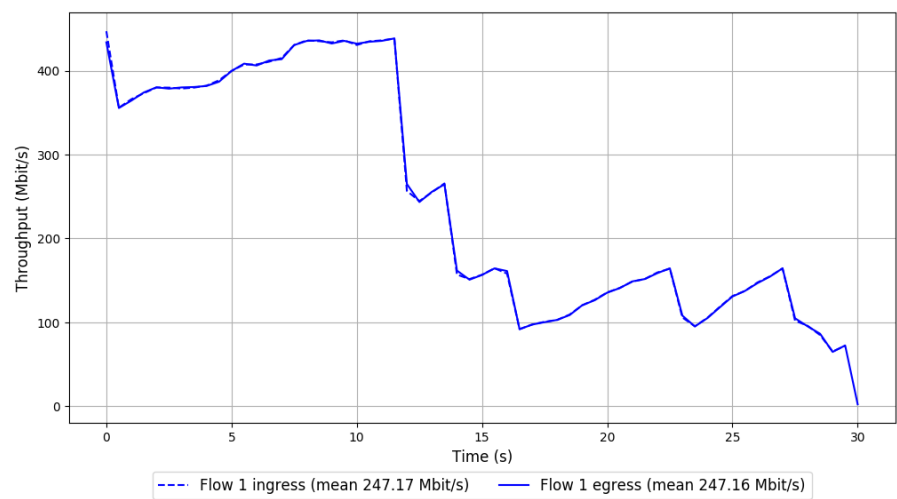
-- Flow 1:

Average throughput: 247.16 Mbit/s

95th percentile per-packet one-way delay: 19.209 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-02-16 06:17:49

End at: 2018-02-16 06:18:19

Local clock offset: 2.722 ms

Remote clock offset: -6.254 ms

Below is generated by plot.py at 2018-02-16 09:36:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 320.02 Mbit/s

95th percentile per-packet one-way delay: 19.226 ms

Loss rate: 0.01%

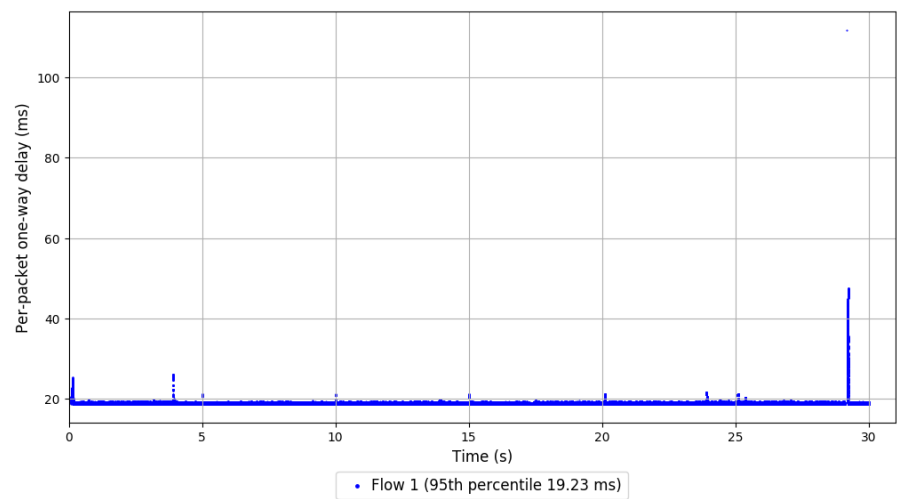
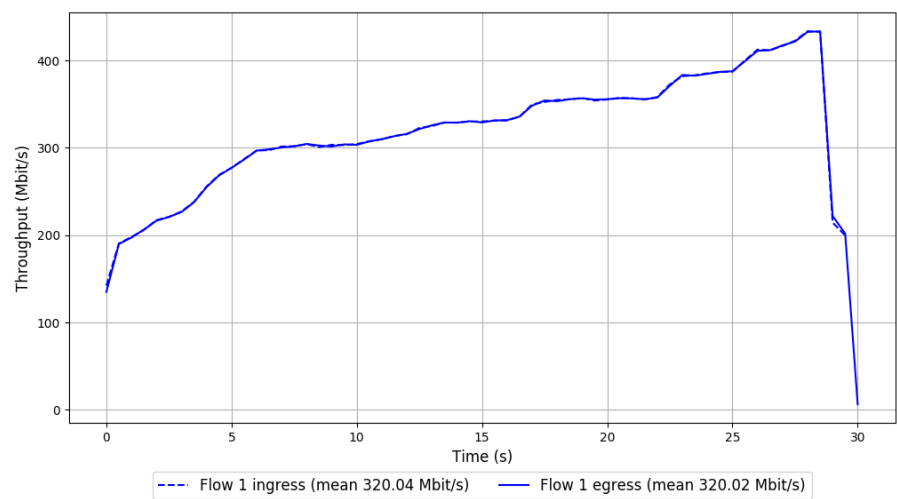
-- Flow 1:

Average throughput: 320.02 Mbit/s

95th percentile per-packet one-way delay: 19.226 ms

Loss rate: 0.01%

Run 10: Report of TCP Vegas — Data Link

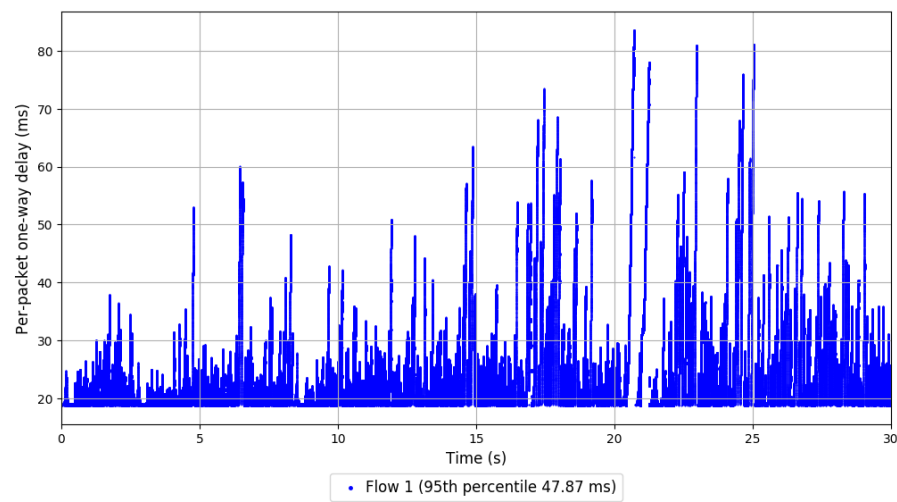
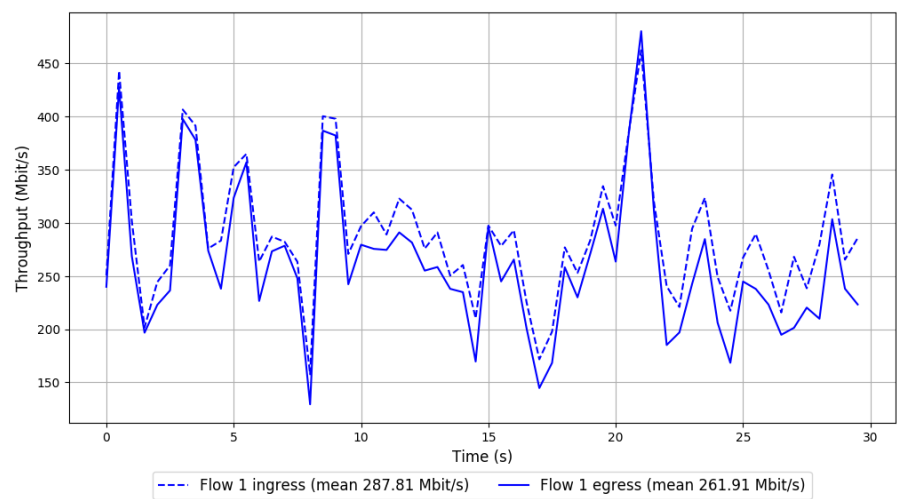


Run 1: Statistics of Verus

Start at: 2018-02-16 02:16:56
End at: 2018-02-16 02:17:26
Local clock offset: 0.417 ms
Remote clock offset: -4.492 ms

Below is generated by plot.py at 2018-02-16 09:36:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 261.91 Mbit/s
95th percentile per-packet one-way delay: 47.867 ms
Loss rate: 9.00%
-- Flow 1:
Average throughput: 261.91 Mbit/s
95th percentile per-packet one-way delay: 47.867 ms
Loss rate: 9.00%

Run 1: Report of Verus — Data Link

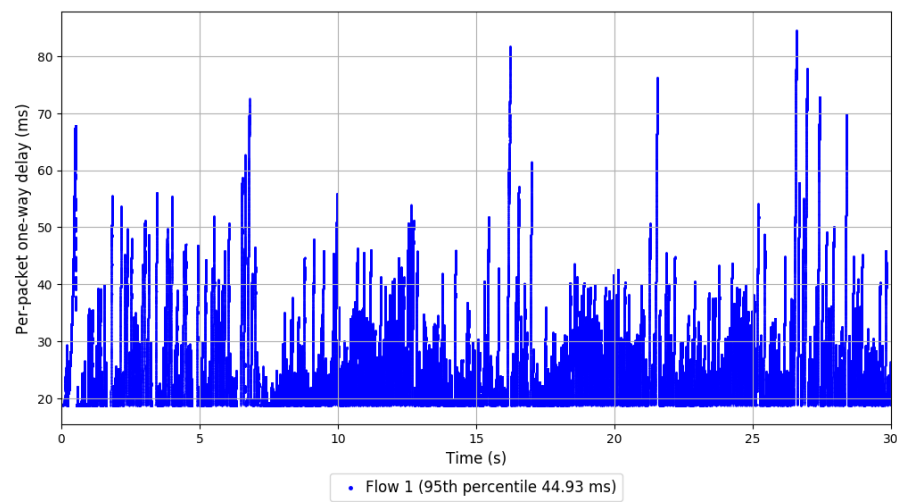
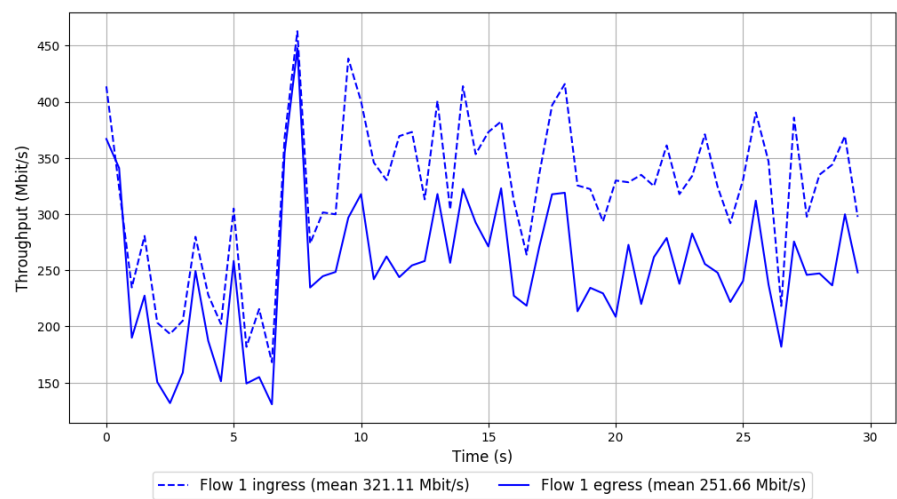


Run 2: Statistics of Verus

Start at: 2018-02-16 02:41:51
End at: 2018-02-16 02:42:21
Local clock offset: 0.567 ms
Remote clock offset: -5.022 ms

Below is generated by plot.py at 2018-02-16 09:37:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 251.66 Mbit/s
95th percentile per-packet one-way delay: 44.926 ms
Loss rate: 21.62%
-- Flow 1:
Average throughput: 251.66 Mbit/s
95th percentile per-packet one-way delay: 44.926 ms
Loss rate: 21.62%

Run 2: Report of Verus — Data Link

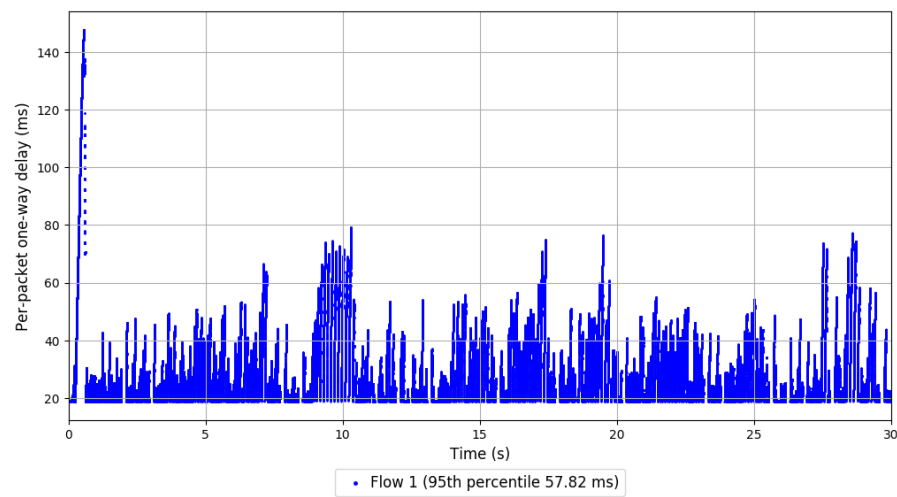
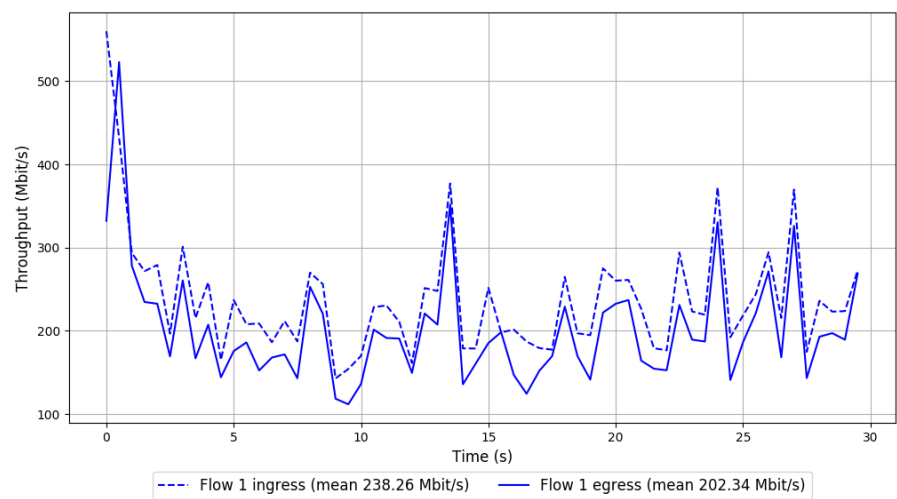


Run 3: Statistics of Verus

Start at: 2018-02-16 03:07:05
End at: 2018-02-16 03:07:35
Local clock offset: 0.929 ms
Remote clock offset: -5.548 ms

Below is generated by plot.py at 2018-02-16 09:38:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 202.34 Mbit/s
95th percentile per-packet one-way delay: 57.824 ms
Loss rate: 15.07%
-- Flow 1:
Average throughput: 202.34 Mbit/s
95th percentile per-packet one-way delay: 57.824 ms
Loss rate: 15.07%

Run 3: Report of Verus — Data Link

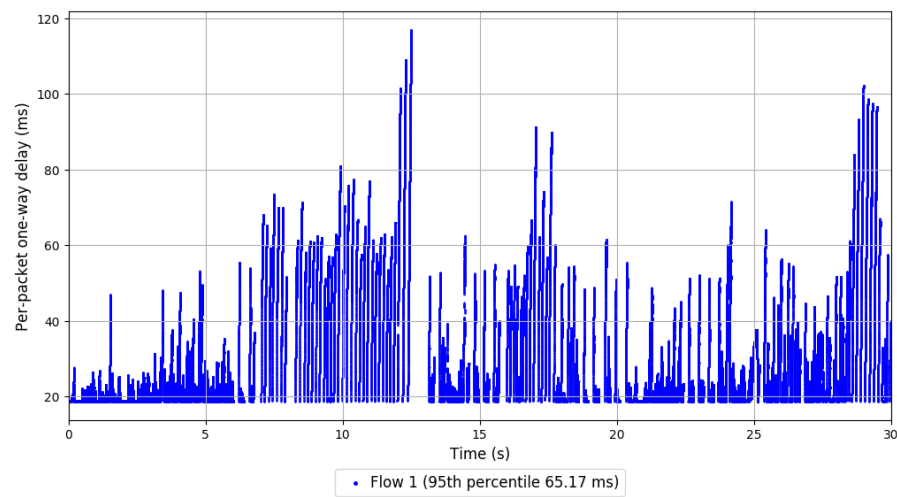
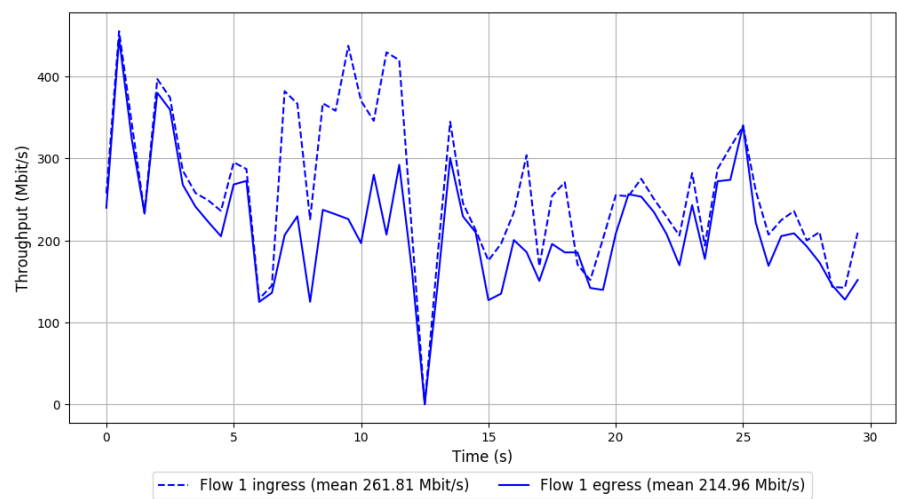


Run 4: Statistics of Verus

Start at: 2018-02-16 03:32:02
End at: 2018-02-16 03:32:32
Local clock offset: 0.754 ms
Remote clock offset: -6.332 ms

Below is generated by plot.py at 2018-02-16 09:38:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 214.96 Mbit/s
95th percentile per-packet one-way delay: 65.172 ms
Loss rate: 17.89%
-- Flow 1:
Average throughput: 214.96 Mbit/s
95th percentile per-packet one-way delay: 65.172 ms
Loss rate: 17.89%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-02-16 03:57:07

End at: 2018-02-16 03:57:37

Local clock offset: 0.738 ms

Remote clock offset: -5.4 ms

Below is generated by plot.py at 2018-02-16 09:38:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.45 Mbit/s

95th percentile per-packet one-way delay: 62.215 ms

Loss rate: 14.23%

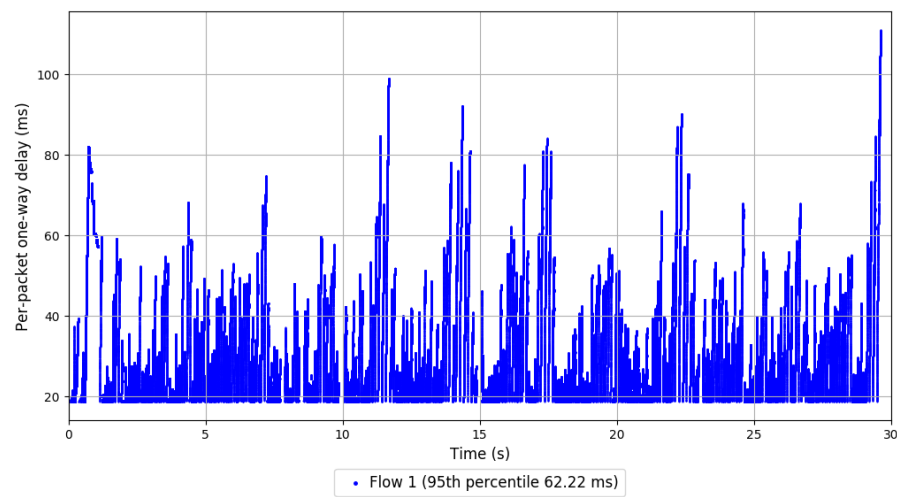
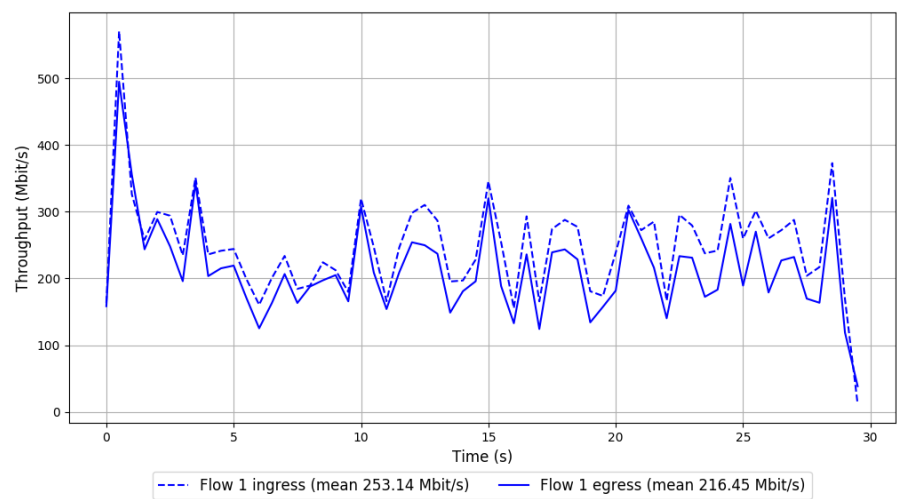
-- Flow 1:

Average throughput: 216.45 Mbit/s

95th percentile per-packet one-way delay: 62.215 ms

Loss rate: 14.23%

Run 5: Report of Verus — Data Link

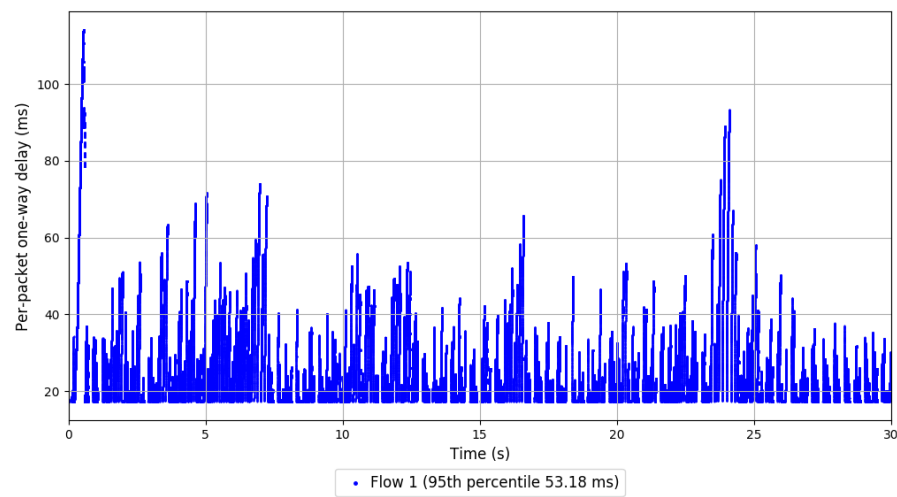
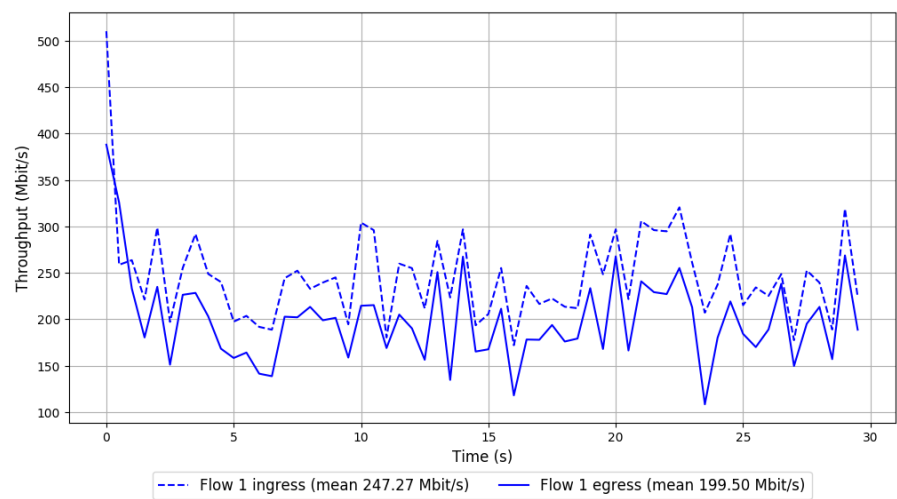


Run 6: Statistics of Verus

Start at: 2018-02-16 04:22:10
End at: 2018-02-16 04:22:41
Local clock offset: 0.874 ms
Remote clock offset: -5.982 ms

Below is generated by plot.py at 2018-02-16 09:38:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 199.50 Mbit/s
95th percentile per-packet one-way delay: 53.176 ms
Loss rate: 19.31%
-- Flow 1:
Average throughput: 199.50 Mbit/s
95th percentile per-packet one-way delay: 53.176 ms
Loss rate: 19.31%

Run 6: Report of Verus — Data Link

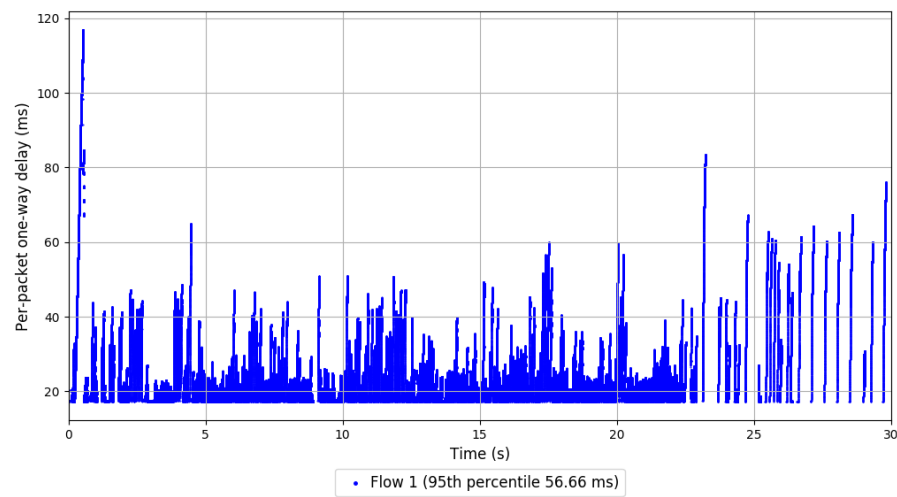
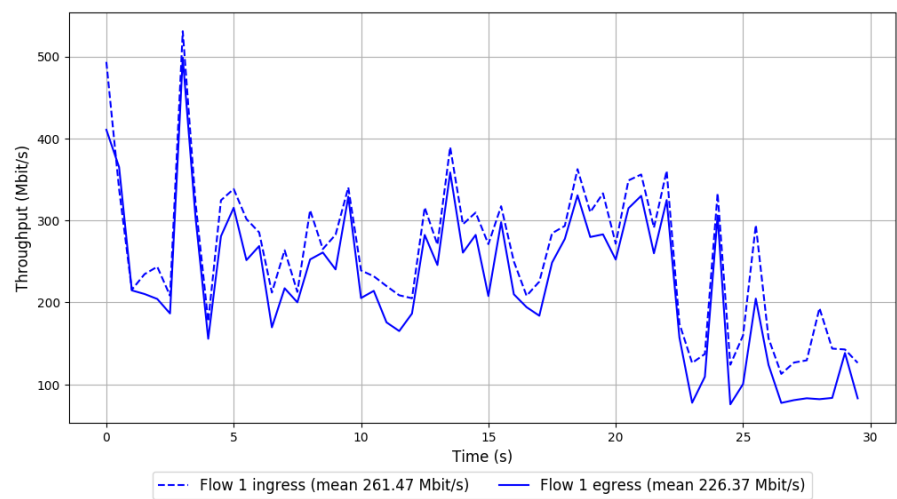


Run 7: Statistics of Verus

Start at: 2018-02-16 04:47:22
End at: 2018-02-16 04:47:52
Local clock offset: 0.797 ms
Remote clock offset: -6.624 ms

Below is generated by plot.py at 2018-02-16 09:38:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 226.37 Mbit/s
95th percentile per-packet one-way delay: 56.664 ms
Loss rate: 13.25%
-- Flow 1:
Average throughput: 226.37 Mbit/s
95th percentile per-packet one-way delay: 56.664 ms
Loss rate: 13.25%

Run 7: Report of Verus — Data Link

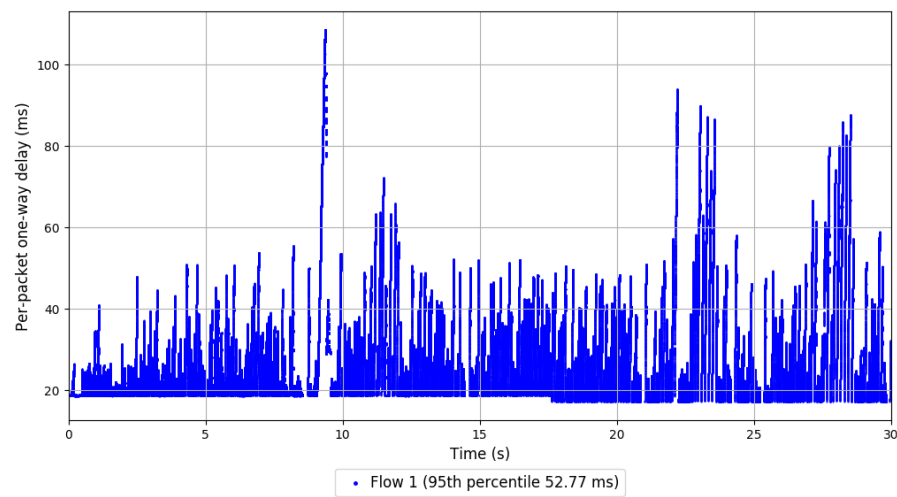
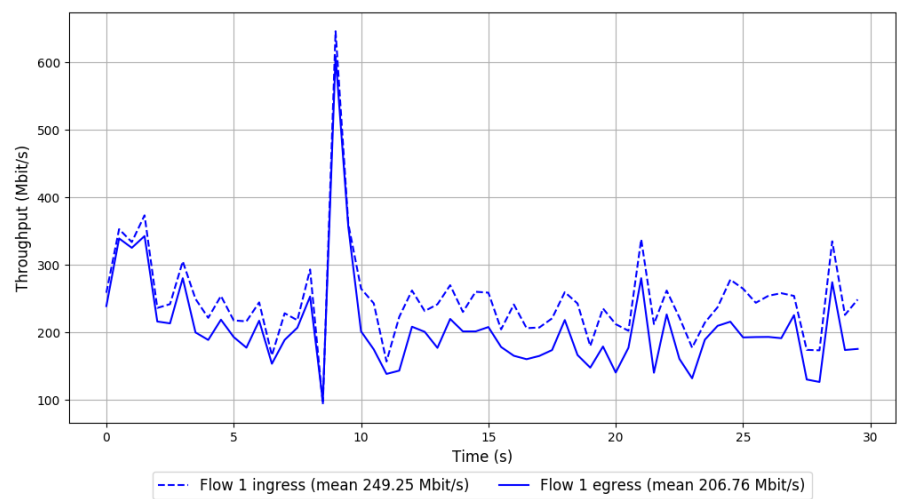


Run 8: Statistics of Verus

Start at: 2018-02-16 05:12:32
End at: 2018-02-16 05:13:02
Local clock offset: 1.069 ms
Remote clock offset: -5.263 ms

Below is generated by plot.py at 2018-02-16 09:39:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 206.76 Mbit/s
95th percentile per-packet one-way delay: 52.770 ms
Loss rate: 17.04%
-- Flow 1:
Average throughput: 206.76 Mbit/s
95th percentile per-packet one-way delay: 52.770 ms
Loss rate: 17.04%

Run 8: Report of Verus — Data Link

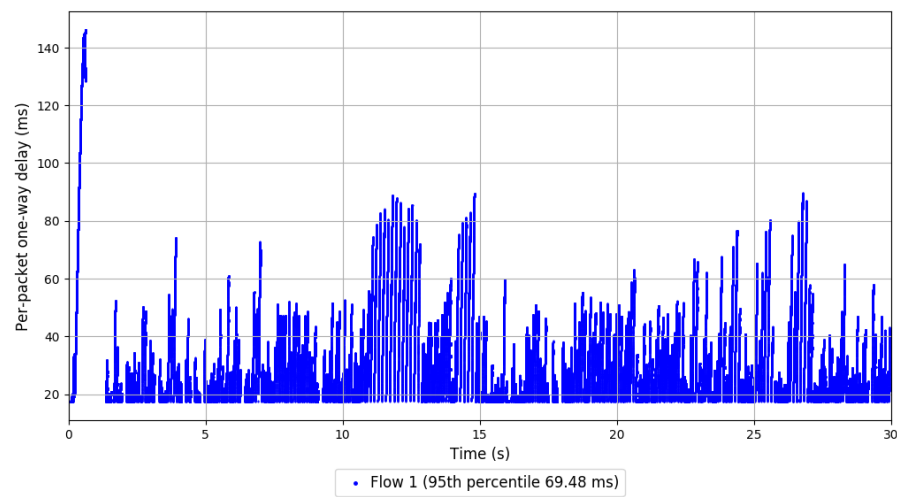
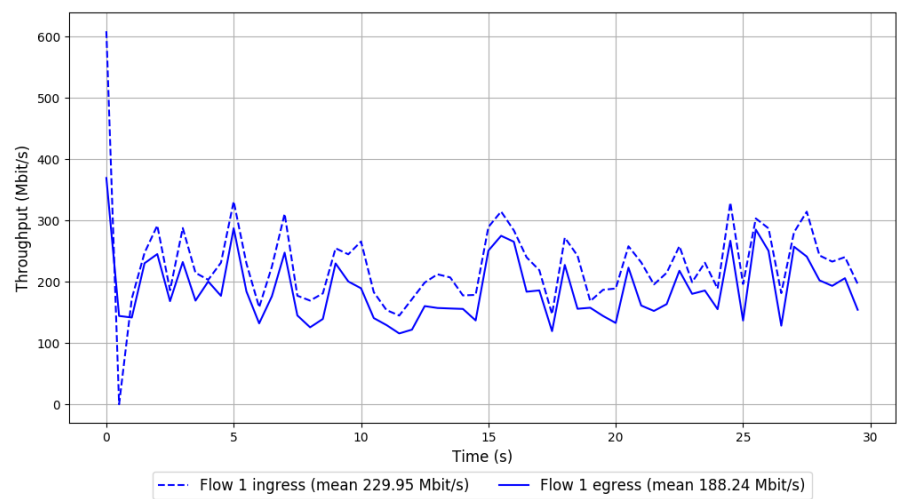


Run 9: Statistics of Verus

Start at: 2018-02-16 05:38:18
End at: 2018-02-16 05:38:48
Local clock offset: 1.169 ms
Remote clock offset: -5.513 ms

Below is generated by plot.py at 2018-02-16 09:39:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 188.24 Mbit/s
95th percentile per-packet one-way delay: 69.483 ms
Loss rate: 18.07%
-- Flow 1:
Average throughput: 188.24 Mbit/s
95th percentile per-packet one-way delay: 69.483 ms
Loss rate: 18.07%

Run 9: Report of Verus — Data Link

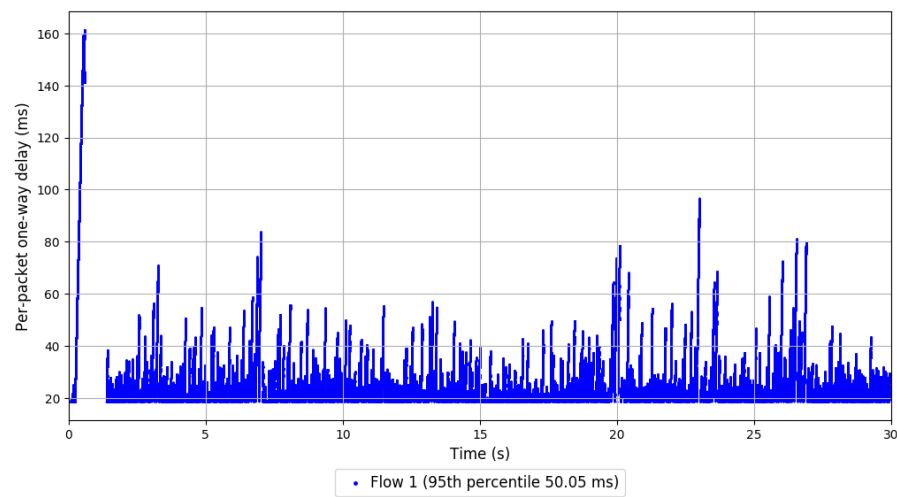
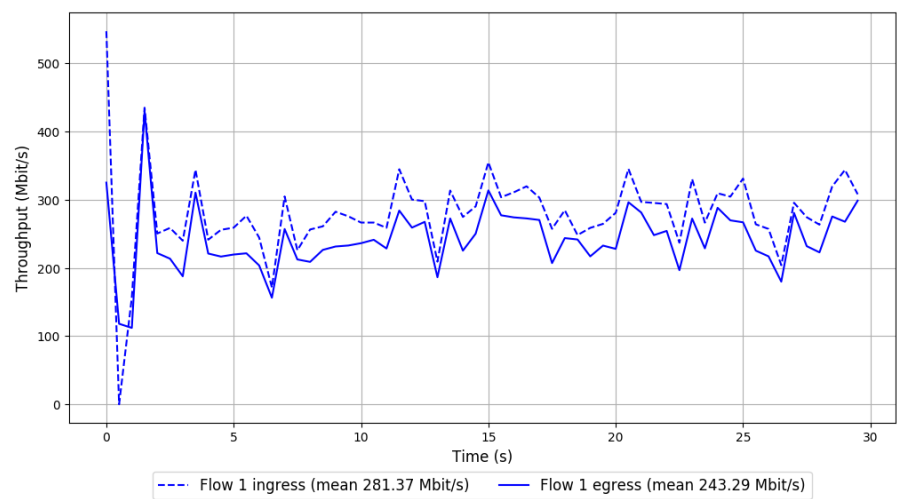


Run 10: Statistics of Verus

Start at: 2018-02-16 06:03:26
End at: 2018-02-16 06:03:56
Local clock offset: 2.91 ms
Remote clock offset: -6.028 ms

Below is generated by plot.py at 2018-02-16 09:41:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 243.29 Mbit/s
95th percentile per-packet one-way delay: 50.050 ms
Loss rate: 13.53%
-- Flow 1:
Average throughput: 243.29 Mbit/s
95th percentile per-packet one-way delay: 50.050 ms
Loss rate: 13.53%

Run 10: Report of Verus — Data Link

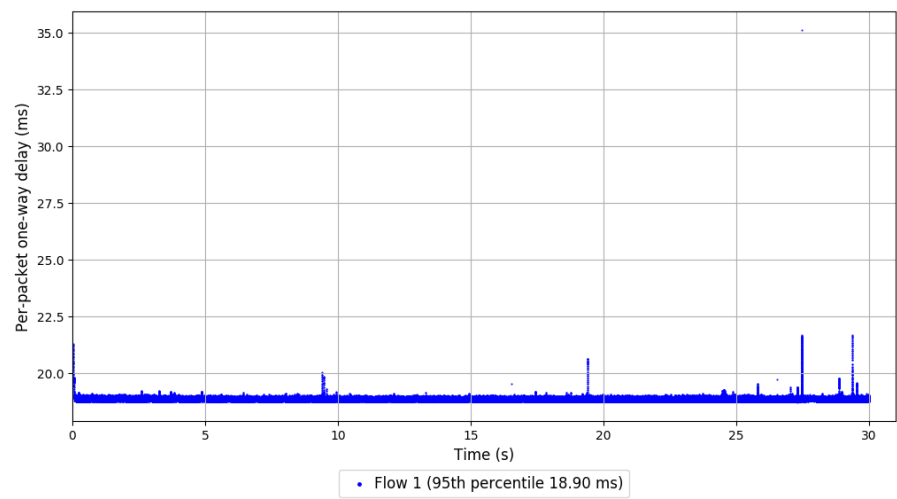
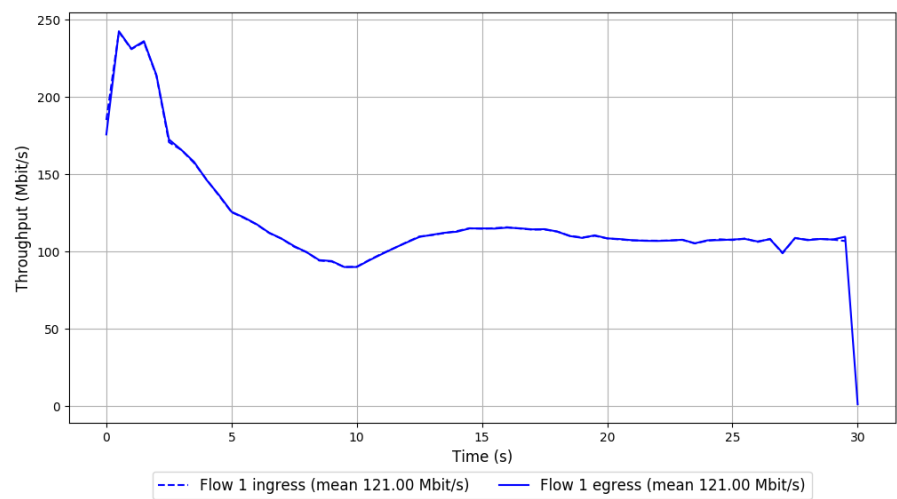


Run 1: Statistics of Copa

Start at: 2018-02-16 02:19:38
End at: 2018-02-16 02:20:08
Local clock offset: 0.383 ms
Remote clock offset: -4.434 ms

Below is generated by plot.py at 2018-02-16 09:41:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 121.00 Mbit/s
95th percentile per-packet one-way delay: 18.903 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 121.00 Mbit/s
95th percentile per-packet one-way delay: 18.903 ms
Loss rate: 0.01%

Run 1: Report of Copa — Data Link

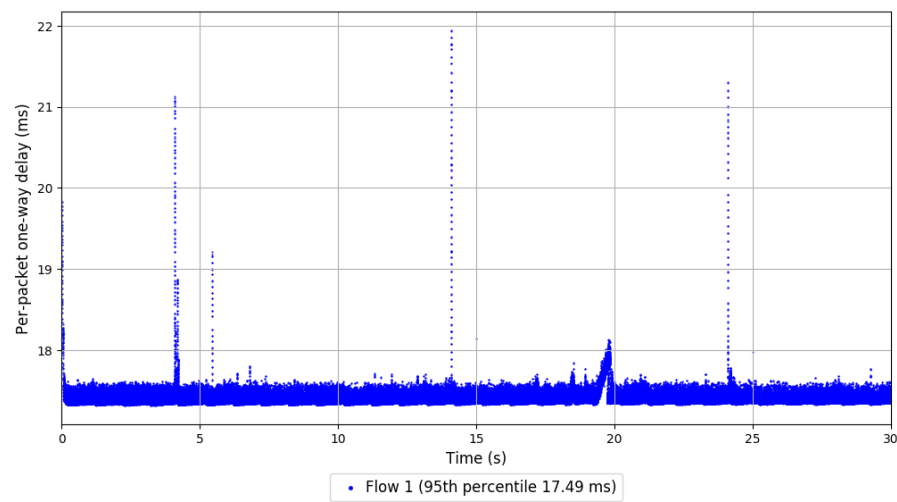
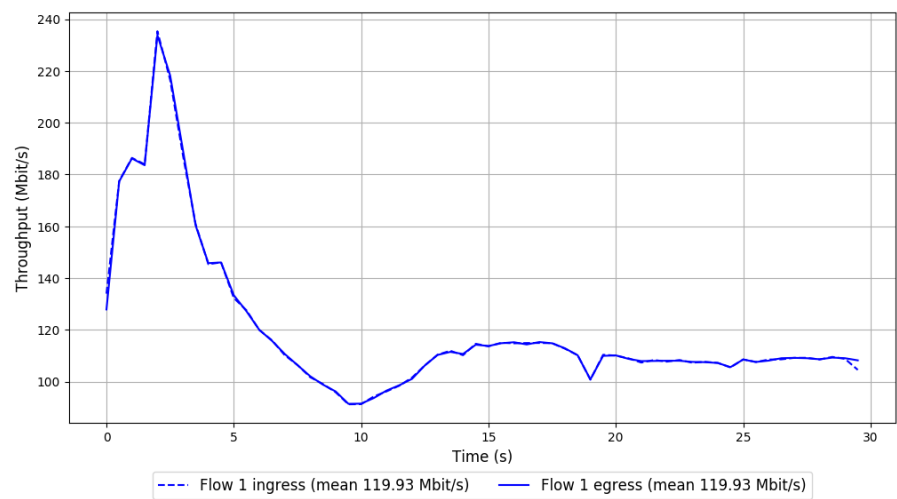


Run 2: Statistics of Copa

Start at: 2018-02-16 02:44:33
End at: 2018-02-16 02:45:03
Local clock offset: 0.467 ms
Remote clock offset: -5.136 ms

Below is generated by plot.py at 2018-02-16 09:41:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 119.93 Mbit/s
95th percentile per-packet one-way delay: 17.492 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 119.93 Mbit/s
95th percentile per-packet one-way delay: 17.492 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

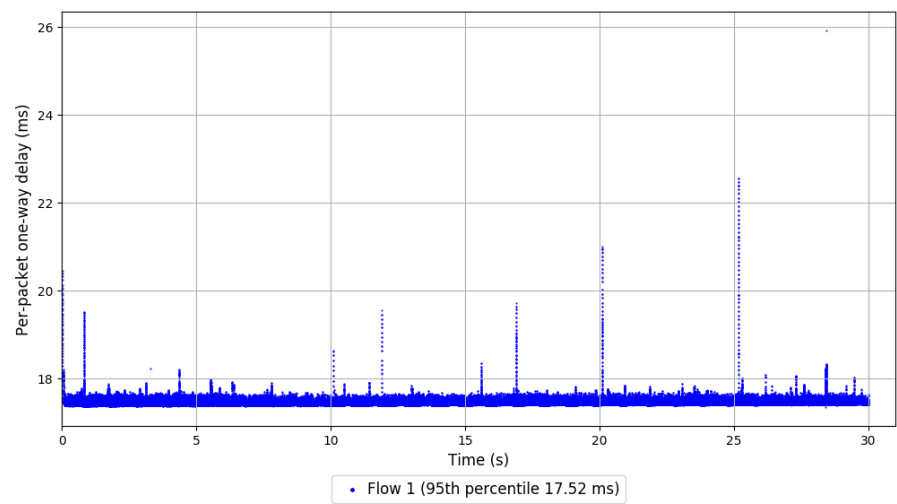
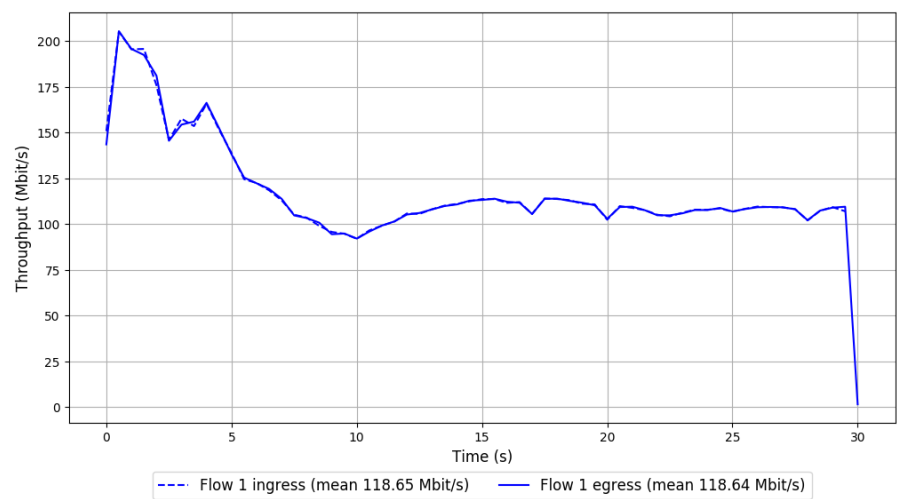


Run 3: Statistics of Copa

Start at: 2018-02-16 03:09:46
End at: 2018-02-16 03:10:16
Local clock offset: 0.837 ms
Remote clock offset: -5.709 ms

Below is generated by plot.py at 2018-02-16 09:41:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 118.64 Mbit/s
95th percentile per-packet one-way delay: 17.524 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 118.64 Mbit/s
95th percentile per-packet one-way delay: 17.524 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

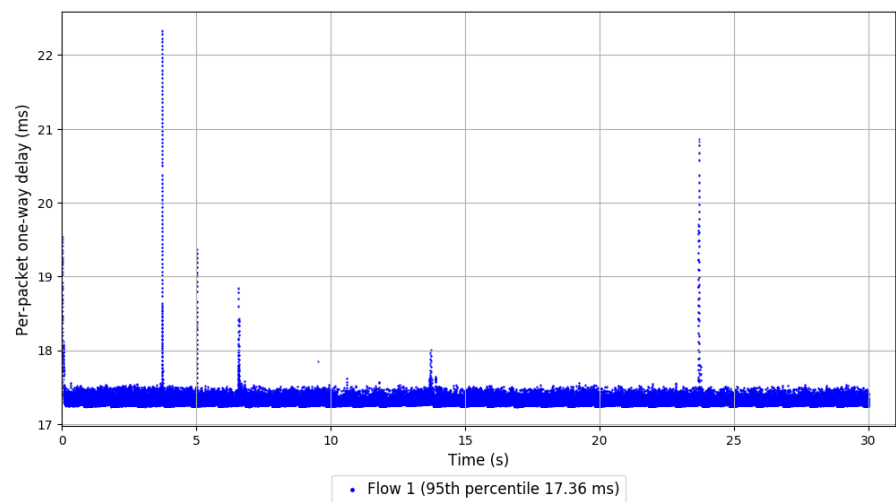
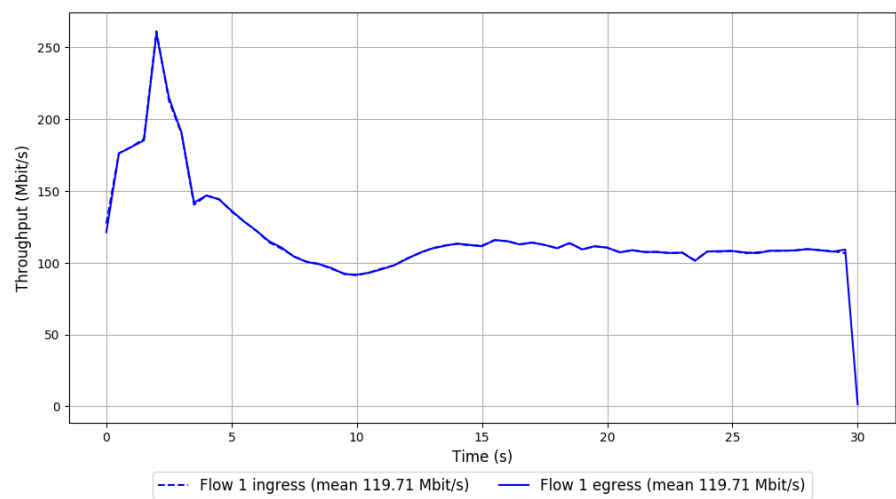


Run 4: Statistics of Copa

Start at: 2018-02-16 03:34:42
End at: 2018-02-16 03:35:12
Local clock offset: 0.755 ms
Remote clock offset: -6.313 ms

Below is generated by plot.py at 2018-02-16 09:41:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 119.71 Mbit/s
95th percentile per-packet one-way delay: 17.362 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 119.71 Mbit/s
95th percentile per-packet one-way delay: 17.362 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

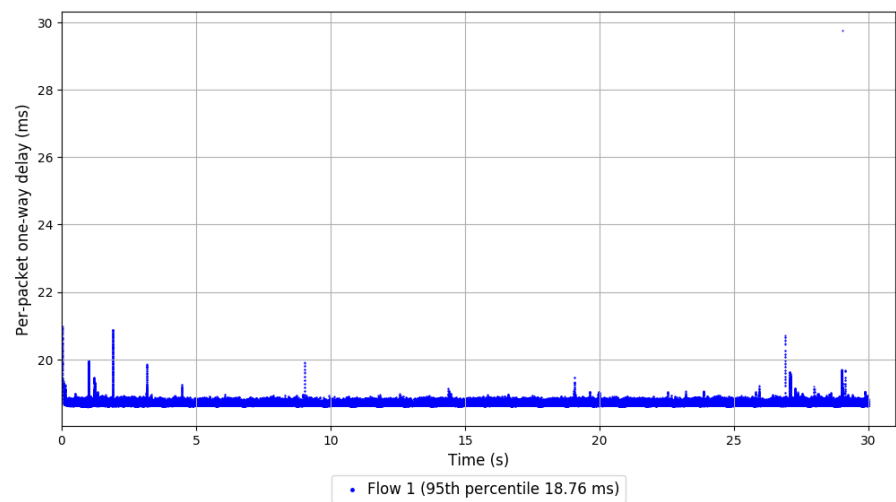
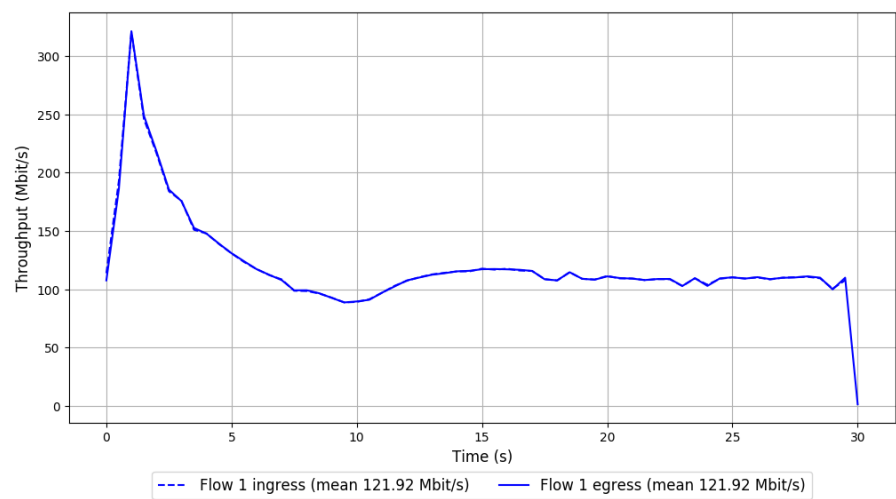


Run 5: Statistics of Copa

Start at: 2018-02-16 03:59:47
End at: 2018-02-16 04:00:17
Local clock offset: 0.767 ms
Remote clock offset: -5.341 ms

Below is generated by plot.py at 2018-02-16 09:42:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 121.92 Mbit/s
95th percentile per-packet one-way delay: 18.756 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 121.92 Mbit/s
95th percentile per-packet one-way delay: 18.756 ms
Loss rate: 0.01%

Run 5: Report of Copa — Data Link

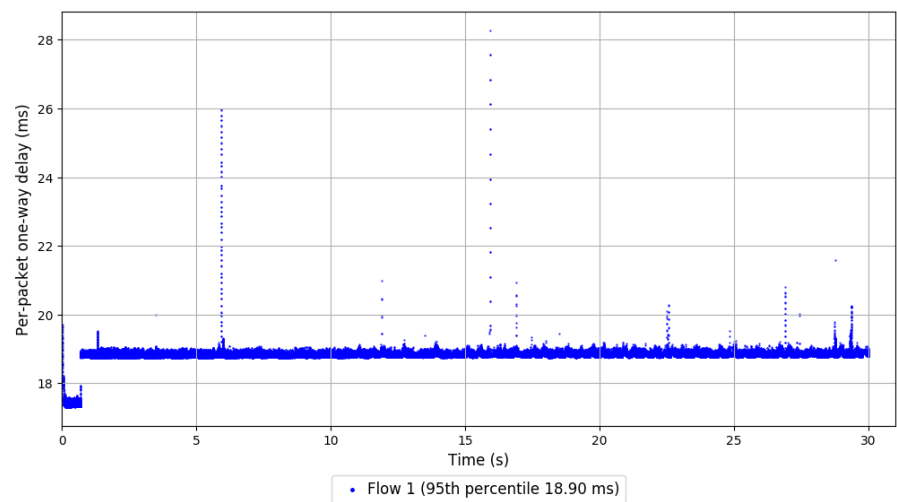
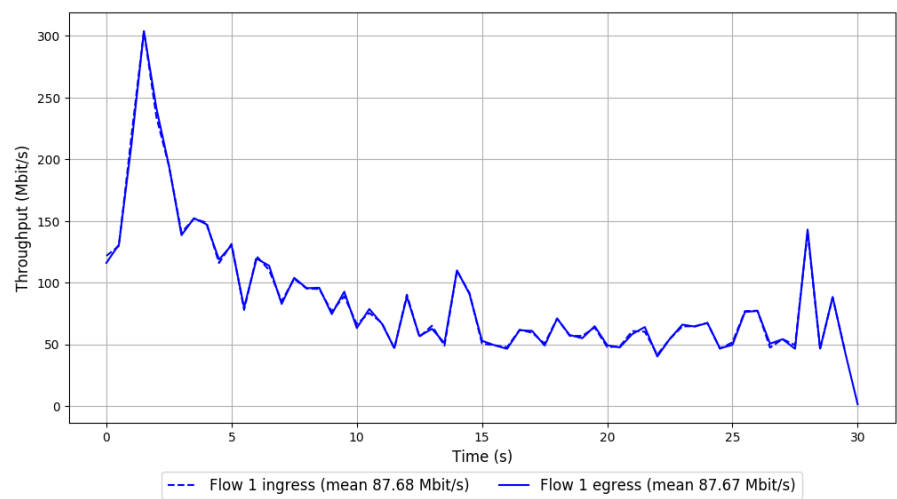


Run 6: Statistics of Copa

Start at: 2018-02-16 04:24:49
End at: 2018-02-16 04:25:19
Local clock offset: 0.793 ms
Remote clock offset: -6.146 ms

Below is generated by plot.py at 2018-02-16 09:42:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.67 Mbit/s
95th percentile per-packet one-way delay: 18.903 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.67 Mbit/s
95th percentile per-packet one-way delay: 18.903 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

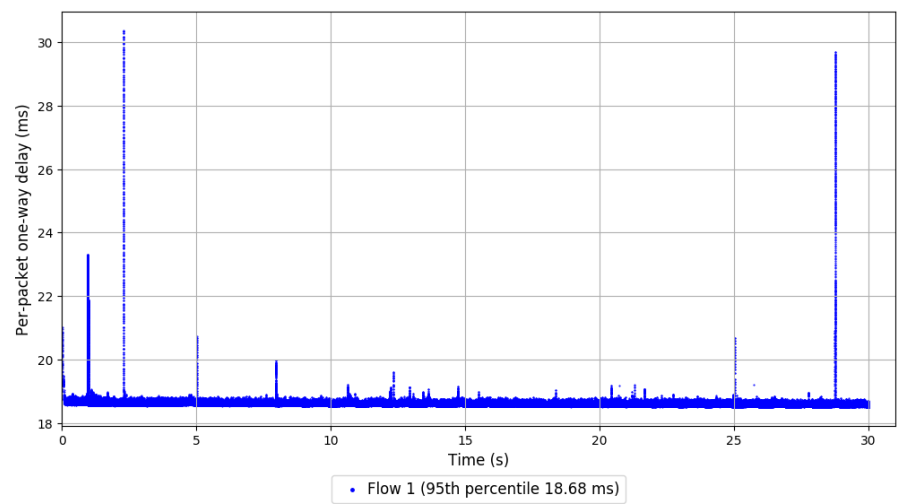
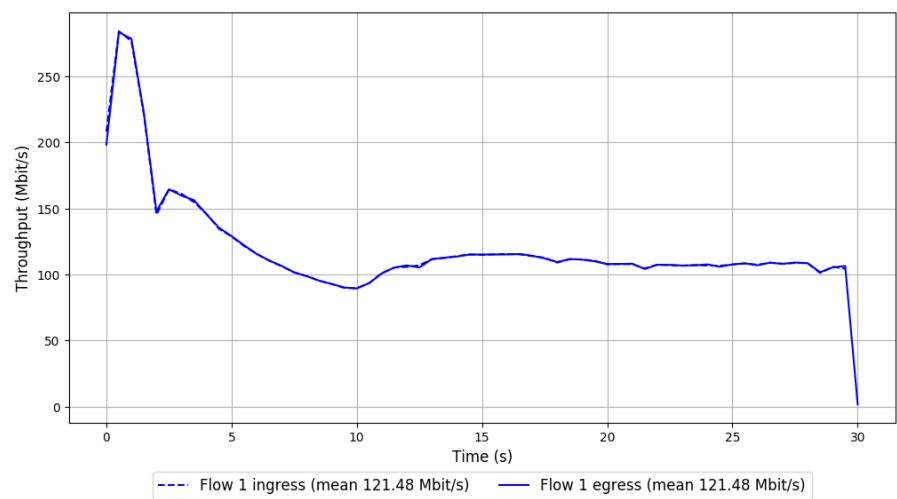


Run 7: Statistics of Copa

Start at: 2018-02-16 04:50:02
End at: 2018-02-16 04:50:33
Local clock offset: 0.89 ms
Remote clock offset: -6.274 ms

Below is generated by plot.py at 2018-02-16 09:42:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 121.48 Mbit/s
95th percentile per-packet one-way delay: 18.682 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 121.48 Mbit/s
95th percentile per-packet one-way delay: 18.682 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

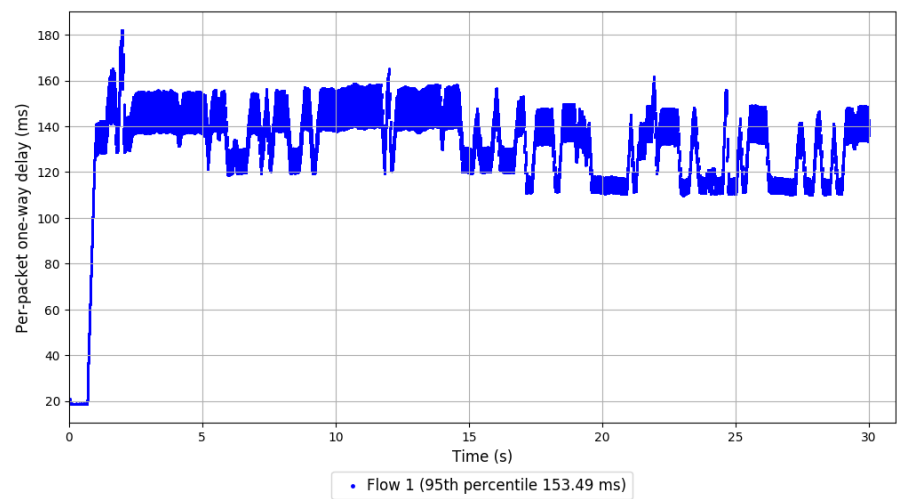
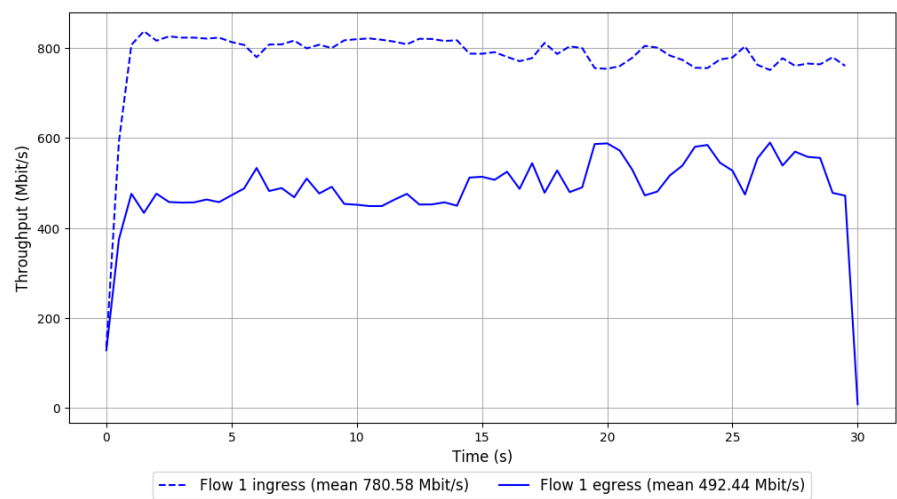


Run 8: Statistics of Copa

Start at: 2018-02-16 05:15:13
End at: 2018-02-16 05:15:43
Local clock offset: 1.048 ms
Remote clock offset: -5.223 ms

Below is generated by plot.py at 2018-02-16 09:56:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 492.44 Mbit/s
95th percentile per-packet one-way delay: 153.487 ms
Loss rate: 36.91%
-- Flow 1:
Average throughput: 492.44 Mbit/s
95th percentile per-packet one-way delay: 153.487 ms
Loss rate: 36.91%

Run 8: Report of Copa — Data Link

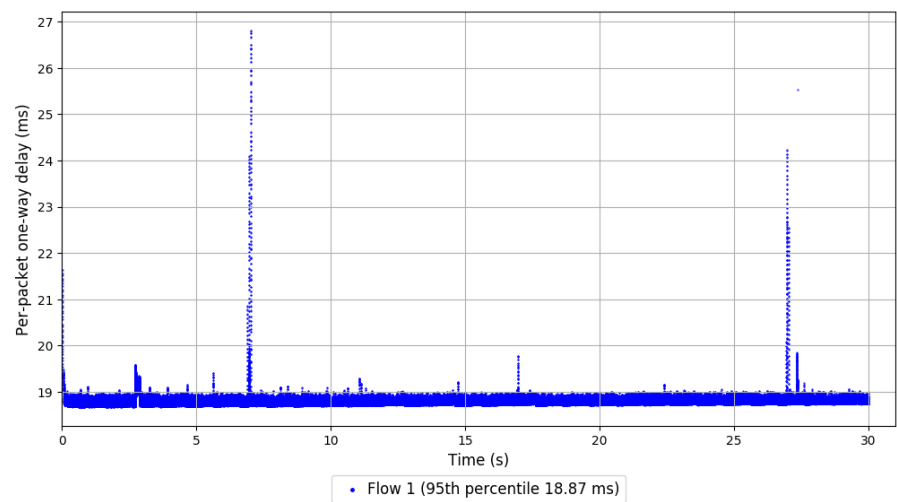
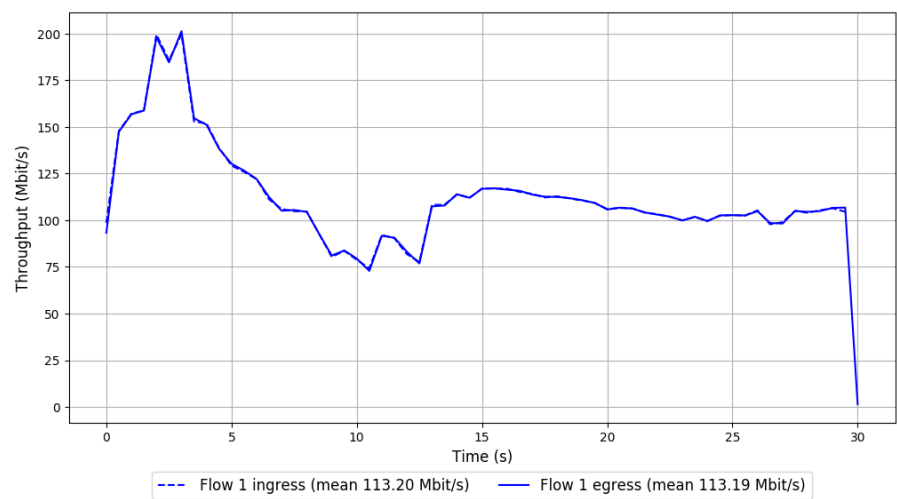


Run 9: Statistics of Copa

Start at: 2018-02-16 05:40:57
End at: 2018-02-16 05:41:27
Local clock offset: 1.63 ms
Remote clock offset: -5.488 ms

Below is generated by plot.py at 2018-02-16 09:56:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 113.19 Mbit/s
95th percentile per-packet one-way delay: 18.867 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 113.19 Mbit/s
95th percentile per-packet one-way delay: 18.867 ms
Loss rate: 0.01%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-02-16 06:06:08

End at: 2018-02-16 06:06:38

Local clock offset: 2.881 ms

Remote clock offset: -6.064 ms

Below is generated by plot.py at 2018-02-16 09:56:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 124.49 Mbit/s

95th percentile per-packet one-way delay: 18.901 ms

Loss rate: 0.10%

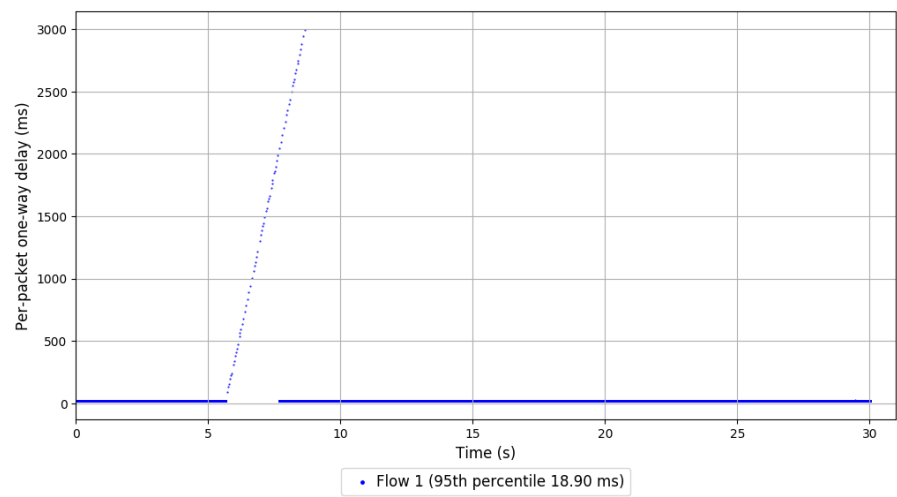
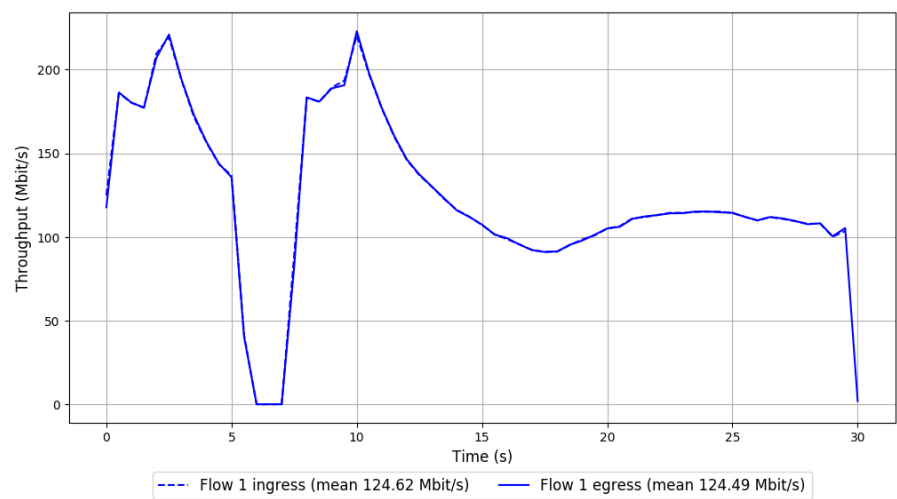
-- Flow 1:

Average throughput: 124.49 Mbit/s

95th percentile per-packet one-way delay: 18.901 ms

Loss rate: 0.10%

Run 10: Report of Copa — Data Link

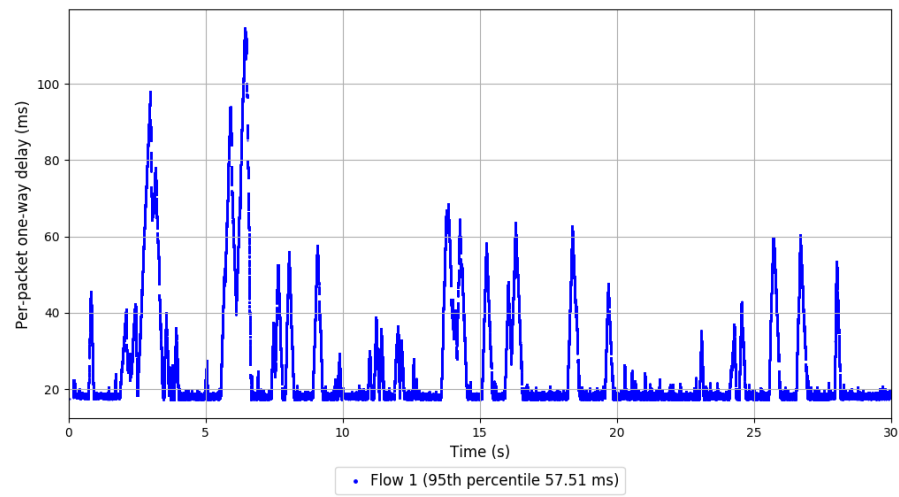
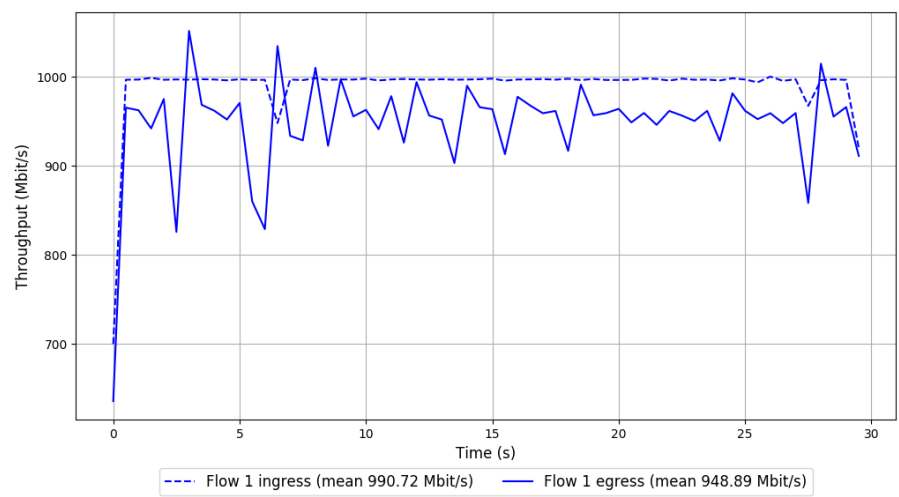


Run 1: Statistics of FillP

Start at: 2018-02-16 02:23:23
End at: 2018-02-16 02:23:53
Local clock offset: 0.515 ms
Remote clock offset: -4.417 ms

Below is generated by plot.py at 2018-02-16 09:56:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 948.89 Mbit/s
95th percentile per-packet one-way delay: 57.505 ms
Loss rate: 4.22%
-- Flow 1:
Average throughput: 948.89 Mbit/s
95th percentile per-packet one-way delay: 57.505 ms
Loss rate: 4.22%

Run 1: Report of FillP — Data Link

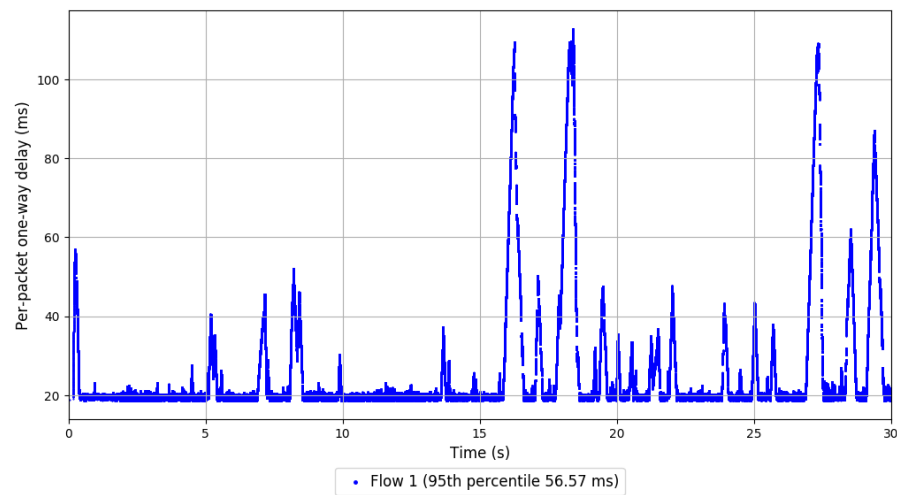
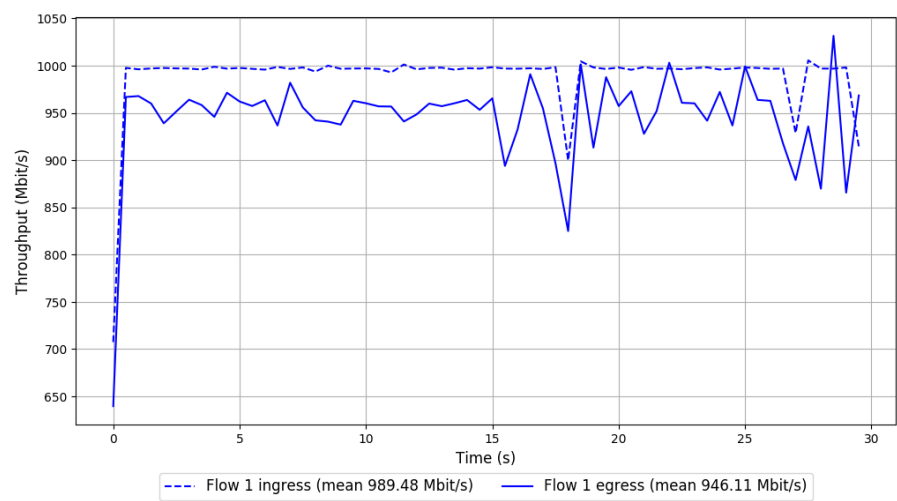


Run 2: Statistics of FillP

Start at: 2018-02-16 02:48:19
End at: 2018-02-16 02:48:49
Local clock offset: 0.607 ms
Remote clock offset: -5.283 ms

Below is generated by plot.py at 2018-02-16 09:56:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 946.11 Mbit/s
95th percentile per-packet one-way delay: 56.566 ms
Loss rate: 4.39%
-- Flow 1:
Average throughput: 946.11 Mbit/s
95th percentile per-packet one-way delay: 56.566 ms
Loss rate: 4.39%

Run 2: Report of FillP — Data Link

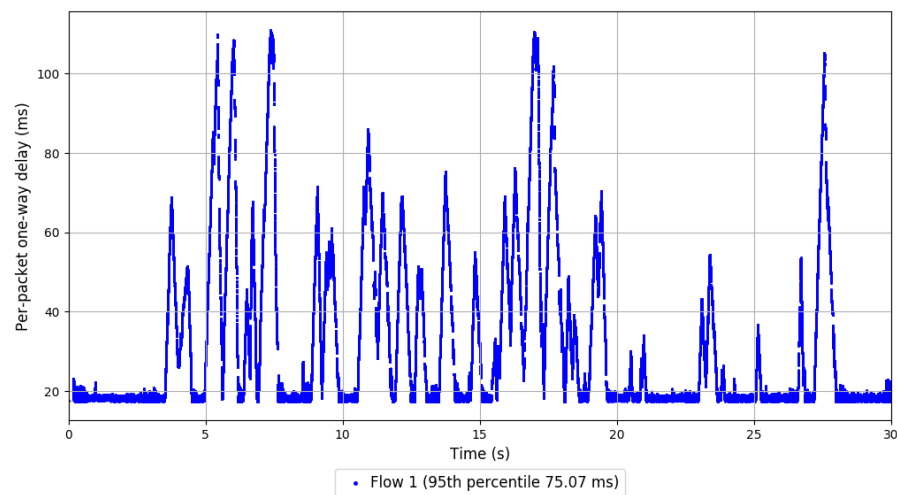
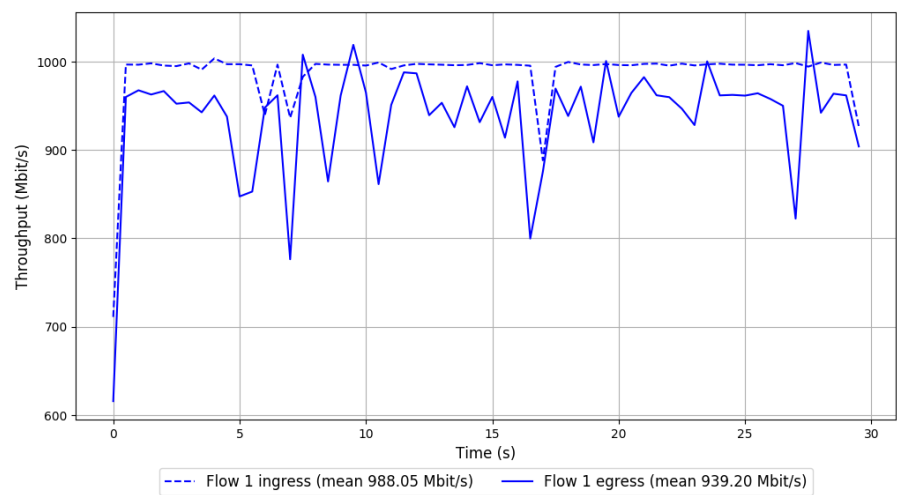


Run 3: Statistics of FillP

Start at: 2018-02-16 03:13:30
End at: 2018-02-16 03:14:00
Local clock offset: 0.89 ms
Remote clock offset: -5.874 ms

Below is generated by plot.py at 2018-02-16 09:56:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 939.20 Mbit/s
95th percentile per-packet one-way delay: 75.067 ms
Loss rate: 4.94%
-- Flow 1:
Average throughput: 939.20 Mbit/s
95th percentile per-packet one-way delay: 75.067 ms
Loss rate: 4.94%

Run 3: Report of FillP — Data Link

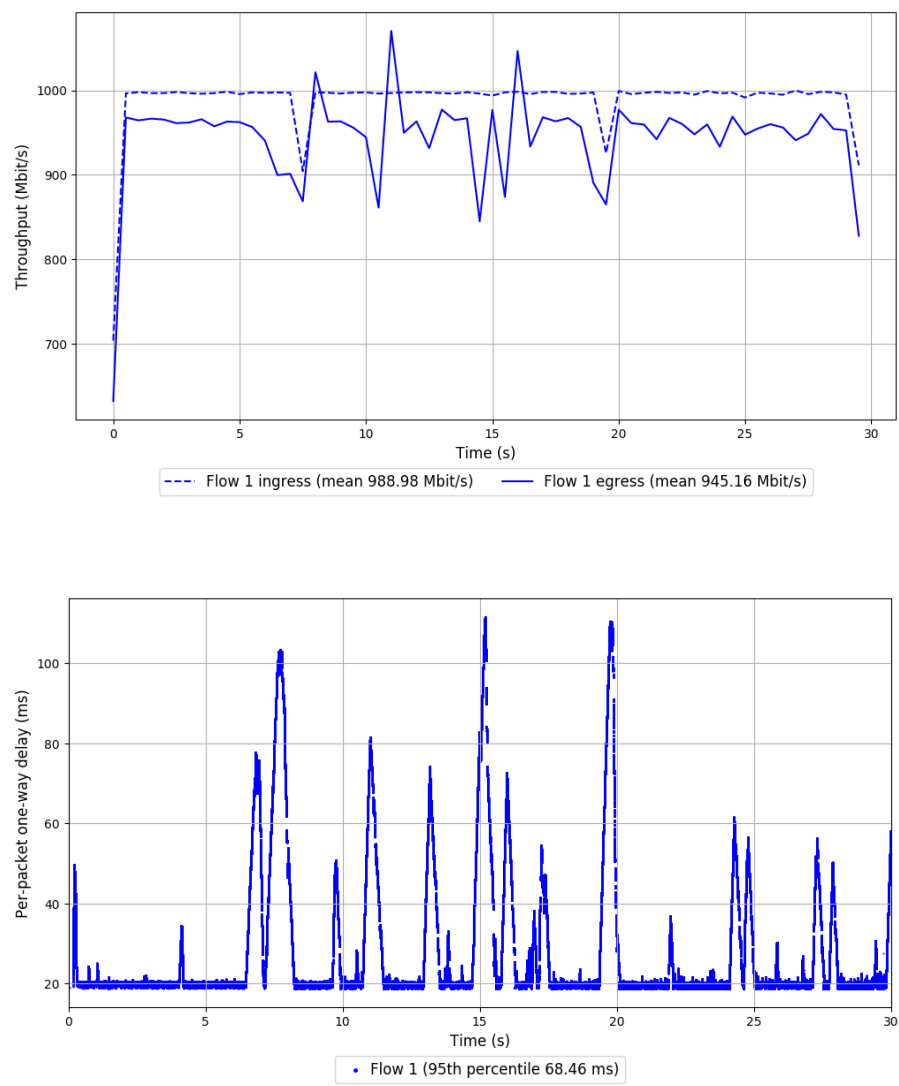


Run 4: Statistics of FillP

Start at: 2018-02-16 03:38:29
End at: 2018-02-16 03:38:59
Local clock offset: 0.641 ms
Remote clock offset: -6.343 ms

Below is generated by plot.py at 2018-02-16 09:56:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 945.16 Mbit/s
95th percentile per-packet one-way delay: 68.460 ms
Loss rate: 4.43%
-- Flow 1:
Average throughput: 945.16 Mbit/s
95th percentile per-packet one-way delay: 68.460 ms
Loss rate: 4.43%

Run 4: Report of FillP — Data Link

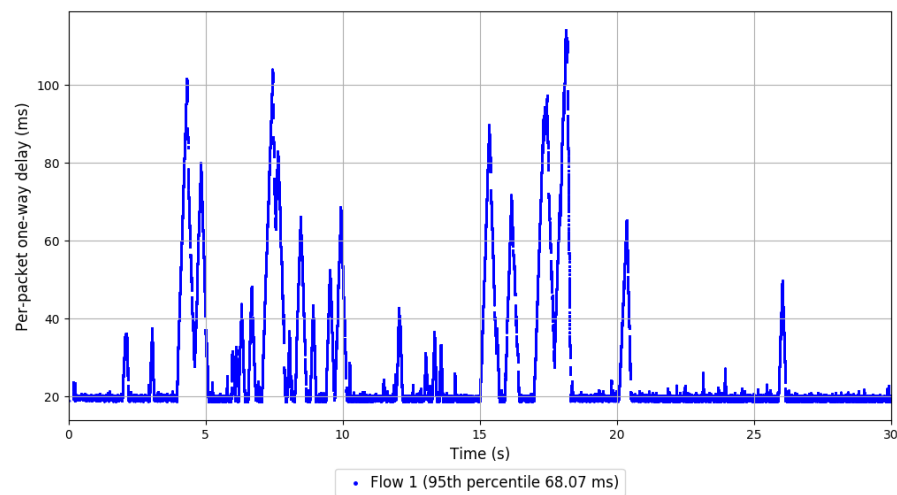
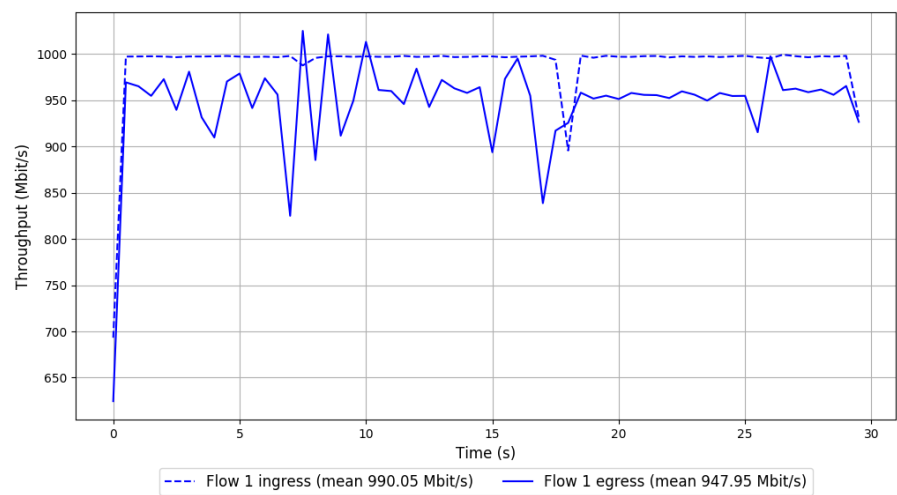


Run 5: Statistics of FillP

Start at: 2018-02-16 04:03:30
End at: 2018-02-16 04:04:00
Local clock offset: 0.758 ms
Remote clock offset: -5.314 ms

Below is generated by plot.py at 2018-02-16 09:56:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 947.95 Mbit/s
95th percentile per-packet one-way delay: 68.073 ms
Loss rate: 4.26%
-- Flow 1:
Average throughput: 947.95 Mbit/s
95th percentile per-packet one-way delay: 68.073 ms
Loss rate: 4.26%

Run 5: Report of FillP — Data Link

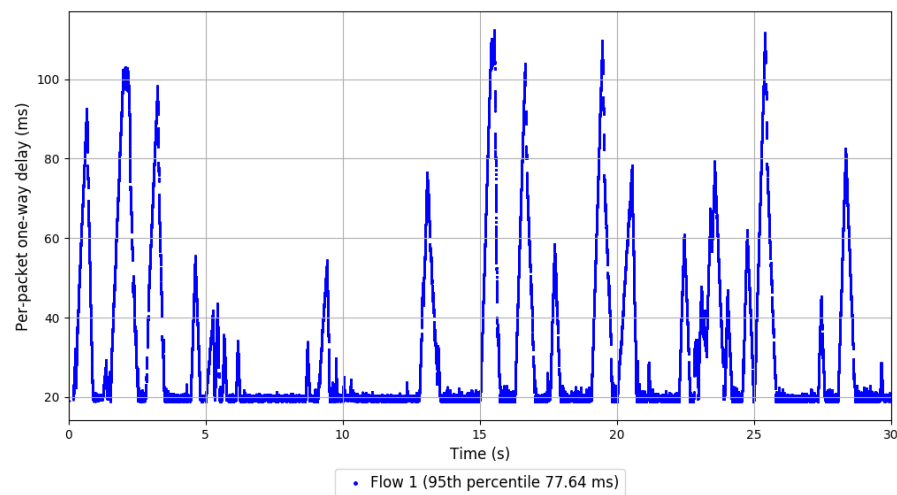
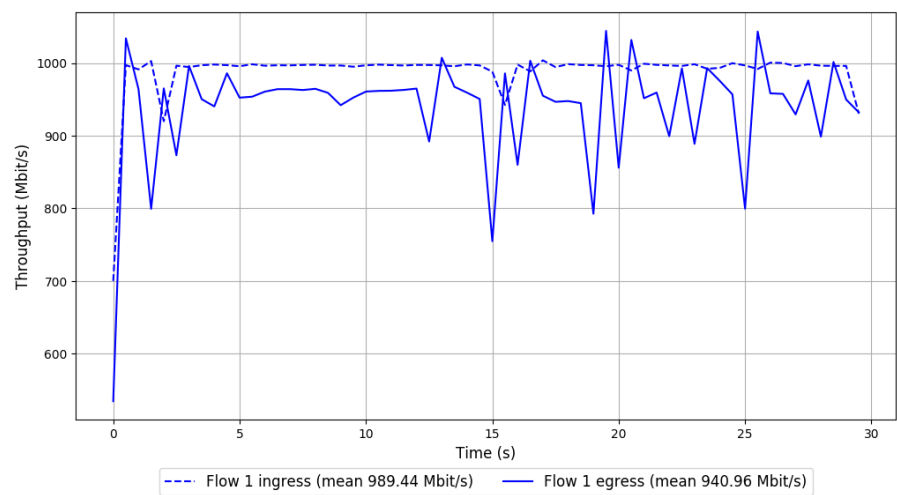


Run 6: Statistics of FillP

Start at: 2018-02-16 04:28:42
End at: 2018-02-16 04:29:12
Local clock offset: 0.798 ms
Remote clock offset: -6.317 ms

Below is generated by plot.py at 2018-02-16 09:58:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 940.96 Mbit/s
95th percentile per-packet one-way delay: 77.638 ms
Loss rate: 4.90%
-- Flow 1:
Average throughput: 940.96 Mbit/s
95th percentile per-packet one-way delay: 77.638 ms
Loss rate: 4.90%

Run 6: Report of FillP — Data Link

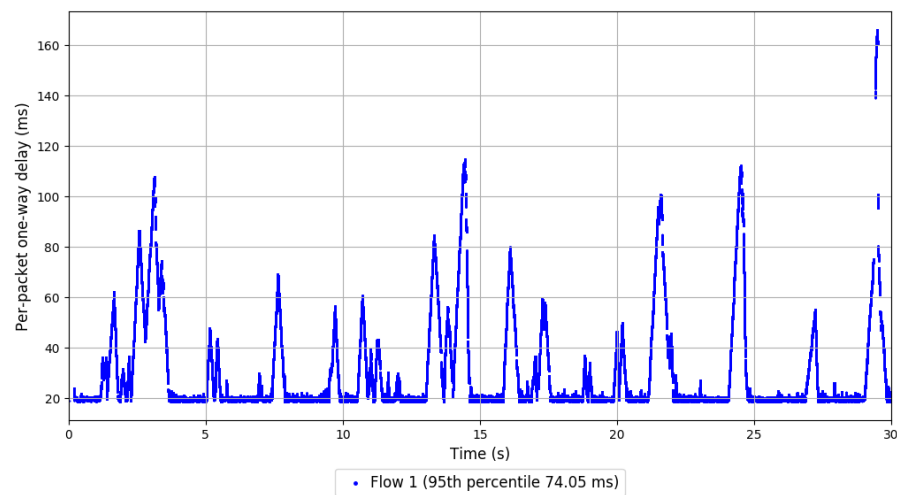
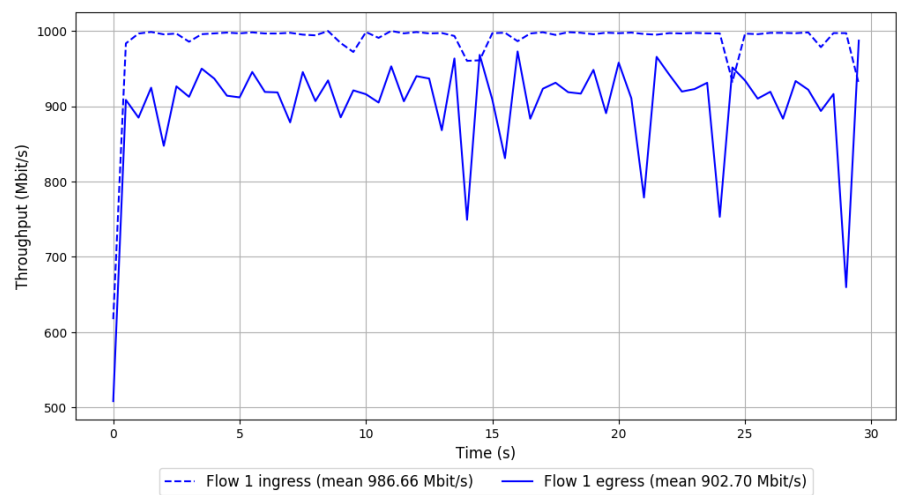


Run 7: Statistics of FillP

Start at: 2018-02-16 04:53:54
End at: 2018-02-16 04:54:24
Local clock offset: 0.9 ms
Remote clock offset: -5.841 ms

Below is generated by plot.py at 2018-02-16 09:58:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 902.70 Mbit/s
95th percentile per-packet one-way delay: 74.048 ms
Loss rate: 8.51%
-- Flow 1:
Average throughput: 902.70 Mbit/s
95th percentile per-packet one-way delay: 74.048 ms
Loss rate: 8.51%

Run 7: Report of FillP — Data Link

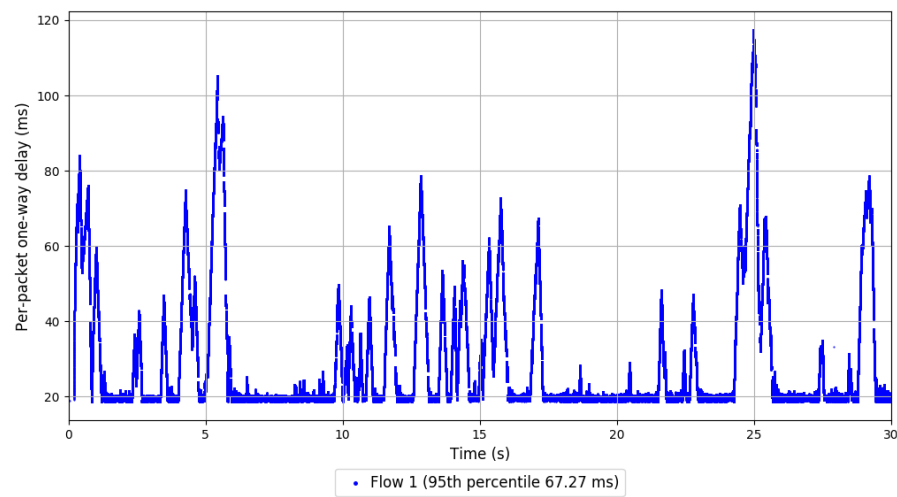
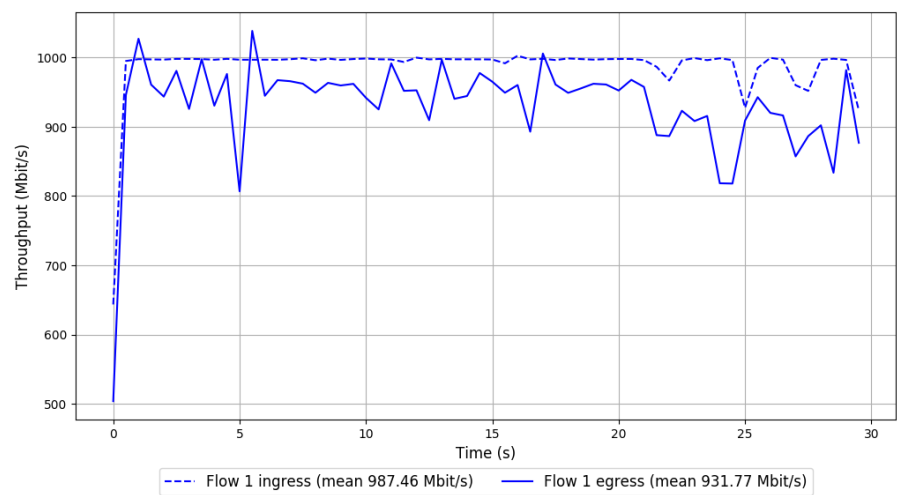


Run 8: Statistics of FillP

Start at: 2018-02-16 05:19:39
End at: 2018-02-16 05:20:09
Local clock offset: 1.112 ms
Remote clock offset: -5.183 ms

Below is generated by plot.py at 2018-02-16 10:10:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 931.77 Mbit/s
95th percentile per-packet one-way delay: 67.273 ms
Loss rate: 5.64%
-- Flow 1:
Average throughput: 931.77 Mbit/s
95th percentile per-packet one-way delay: 67.273 ms
Loss rate: 5.64%

Run 8: Report of FillP — Data Link

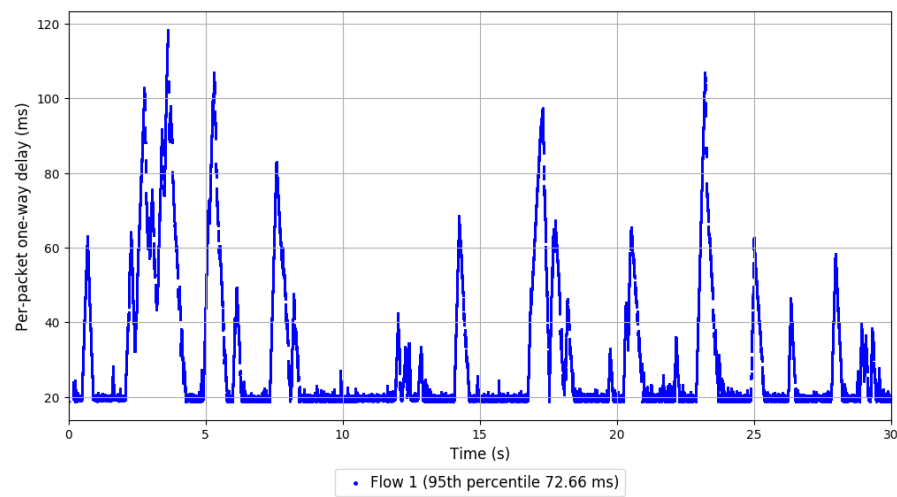
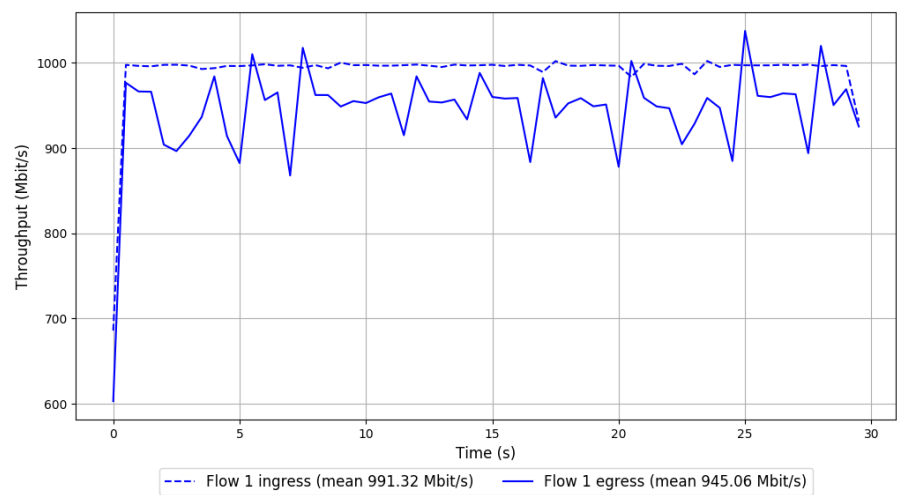


Run 9: Statistics of FillP

Start at: 2018-02-16 05:44:42
End at: 2018-02-16 05:45:12
Local clock offset: 1.94 ms
Remote clock offset: -5.529 ms

Below is generated by plot.py at 2018-02-16 10:10:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 945.06 Mbit/s
95th percentile per-packet one-way delay: 72.659 ms
Loss rate: 4.67%
-- Flow 1:
Average throughput: 945.06 Mbit/s
95th percentile per-packet one-way delay: 72.659 ms
Loss rate: 4.67%

Run 9: Report of FillP — Data Link

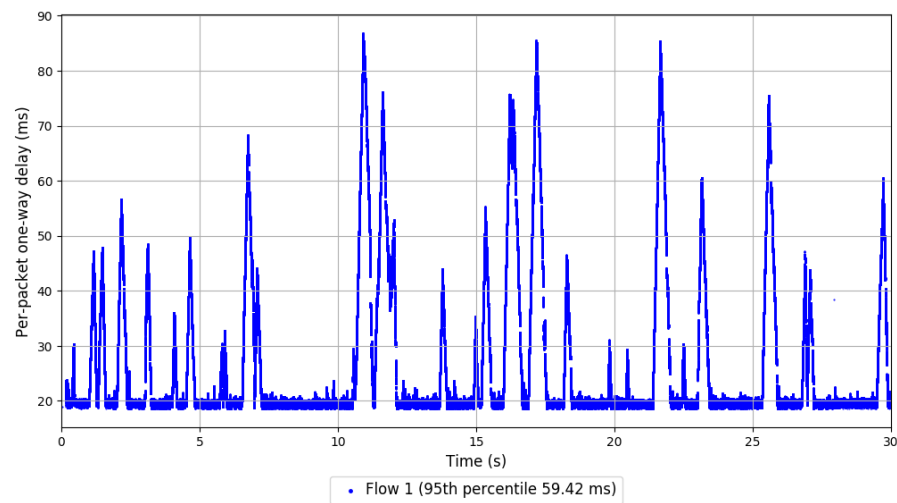
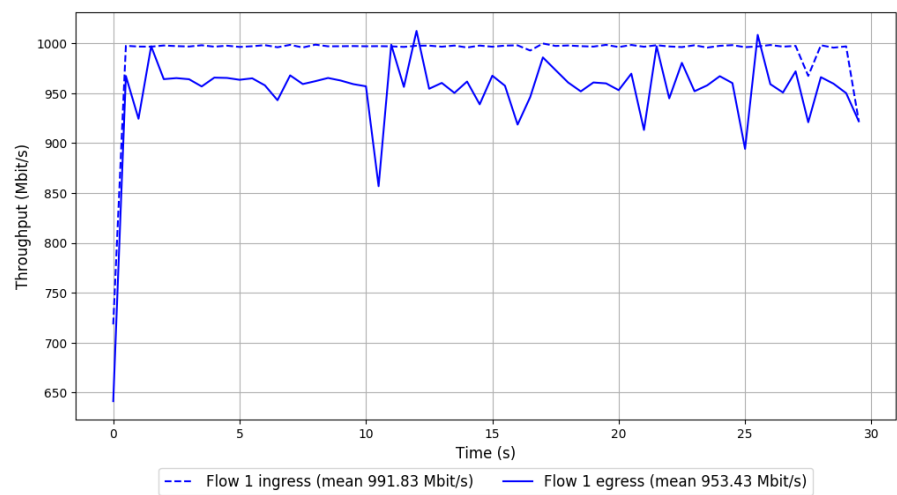


Run 10: Statistics of FillP

Start at: 2018-02-16 06:10:00
End at: 2018-02-16 06:10:30
Local clock offset: 3.067 ms
Remote clock offset: -6.227 ms

Below is generated by plot.py at 2018-02-16 10:10:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 953.43 Mbit/s
95th percentile per-packet one-way delay: 59.416 ms
Loss rate: 3.87%
-- Flow 1:
Average throughput: 953.43 Mbit/s
95th percentile per-packet one-way delay: 59.416 ms
Loss rate: 3.87%

Run 10: Report of FillP — Data Link



Run 1: Statistics of Indigo-1-32

Start at: 2018-02-16 02:35:09

End at: 2018-02-16 02:35:39

Local clock offset: 0.553 ms

Remote clock offset: -4.751 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.30 Mbit/s

95th percentile per-packet one-way delay: 17.387 ms

Loss rate: 0.00%

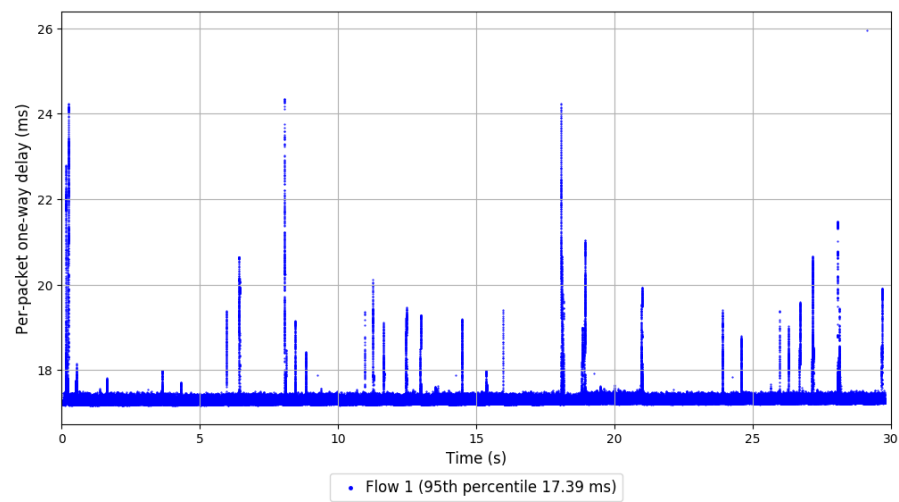
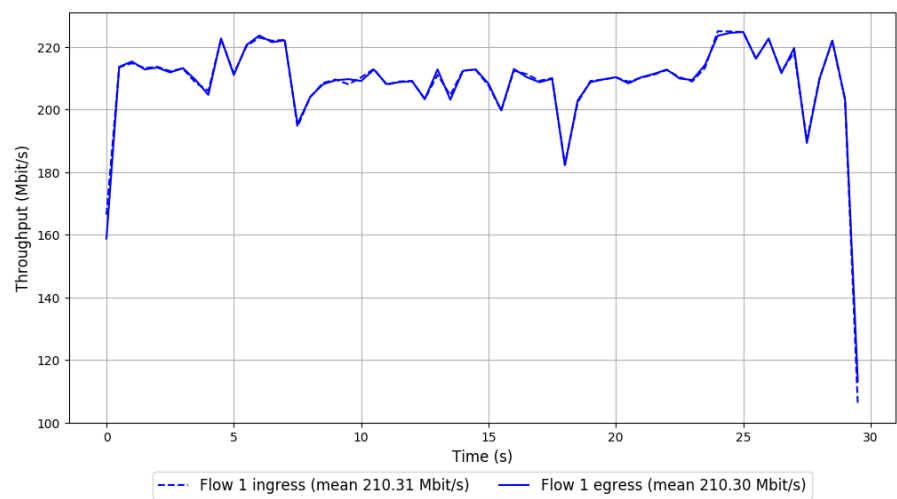
-- Flow 1:

Average throughput: 210.30 Mbit/s

95th percentile per-packet one-way delay: 17.387 ms

Loss rate: 0.00%

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

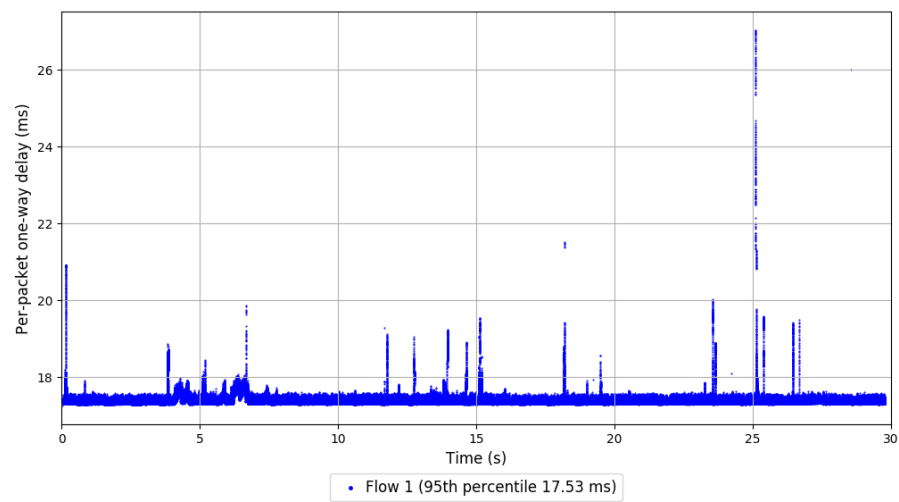
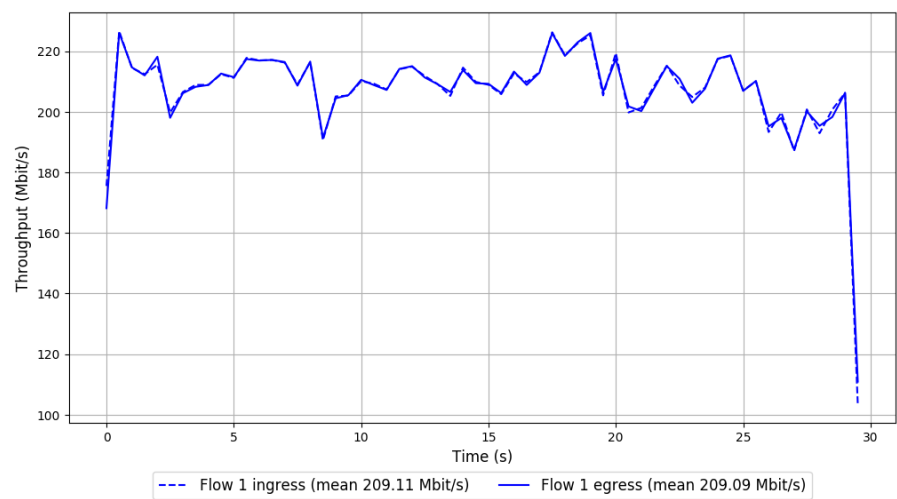


Run 2: Statistics of Indigo-1-32

Start at: 2018-02-16 03:00:11
End at: 2018-02-16 03:00:41
Local clock offset: 0.838 ms
Remote clock offset: -5.293 ms

Below is generated by plot.py at 2018-02-16 10:10:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 209.09 Mbit/s
95th percentile per-packet one-way delay: 17.531 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 209.09 Mbit/s
95th percentile per-packet one-way delay: 17.531 ms
Loss rate: 0.01%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-02-16 03:25:18

End at: 2018-02-16 03:25:48

Local clock offset: 0.913 ms

Remote clock offset: -6.282 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.05 Mbit/s

95th percentile per-packet one-way delay: 17.326 ms

Loss rate: 0.00%

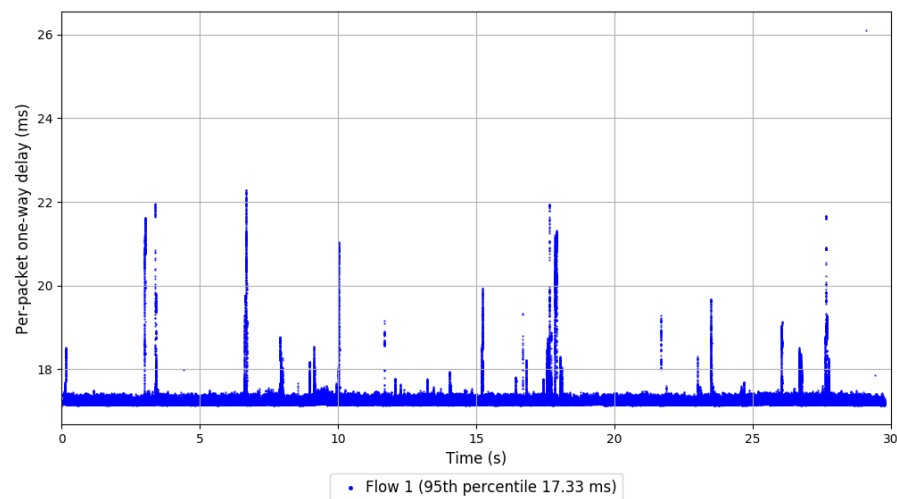
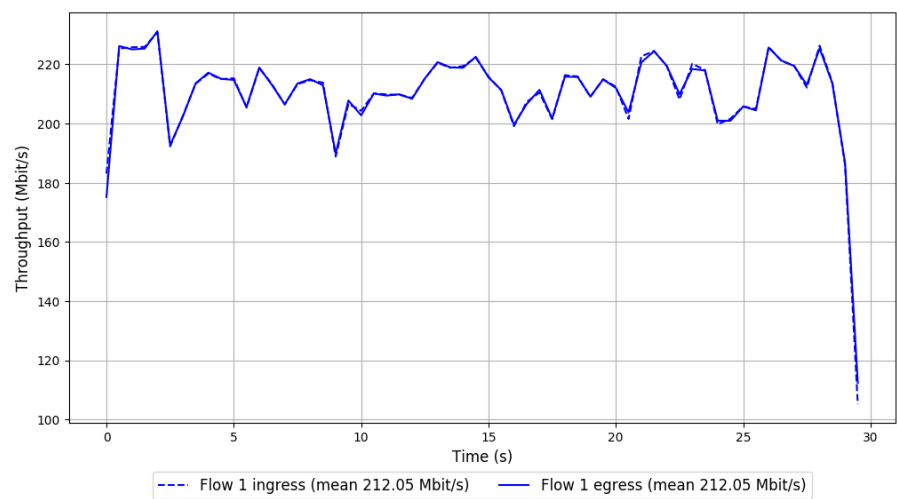
-- Flow 1:

Average throughput: 212.05 Mbit/s

95th percentile per-packet one-way delay: 17.326 ms

Loss rate: 0.00%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-02-16 03:50:23

End at: 2018-02-16 03:50:53

Local clock offset: 0.706 ms

Remote clock offset: -5.569 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.68 Mbit/s

95th percentile per-packet one-way delay: 18.811 ms

Loss rate: 0.00%

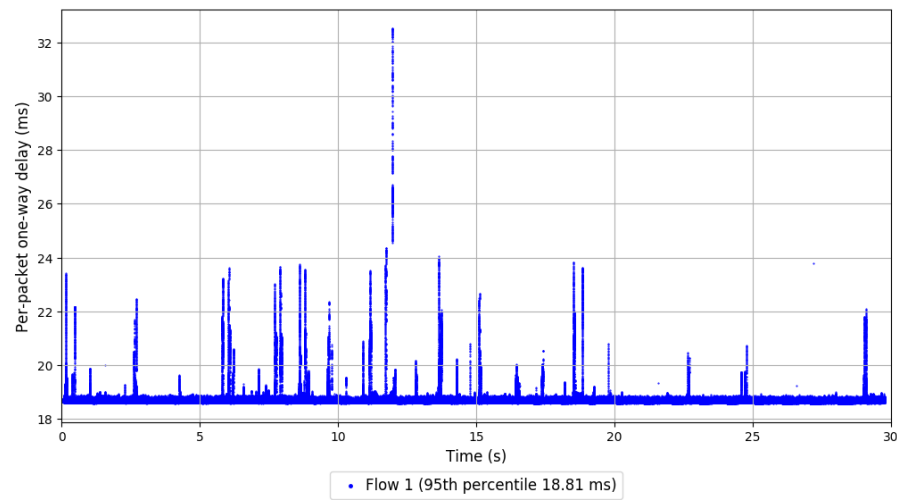
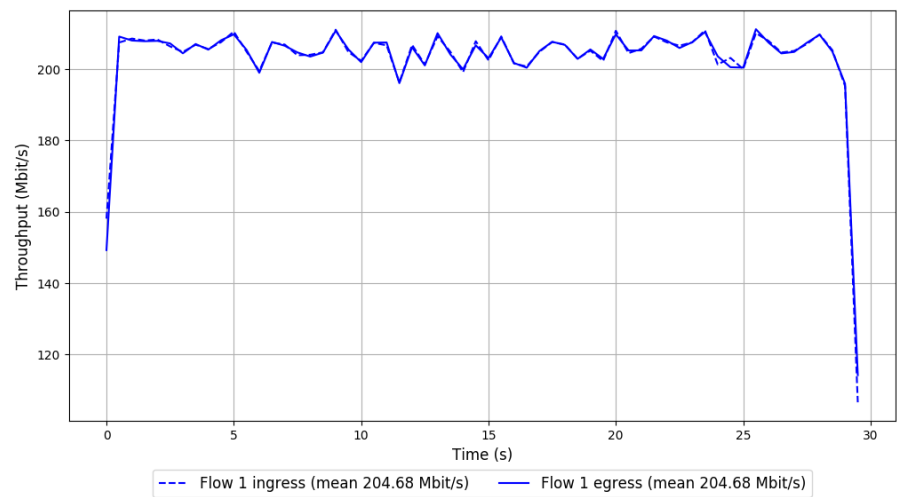
-- Flow 1:

Average throughput: 204.68 Mbit/s

95th percentile per-packet one-way delay: 18.811 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 04:15:27

End at: 2018-02-16 04:15:57

Local clock offset: 0.801 ms

Remote clock offset: -5.59 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 203.09 Mbit/s

95th percentile per-packet one-way delay: 18.893 ms

Loss rate: 0.00%

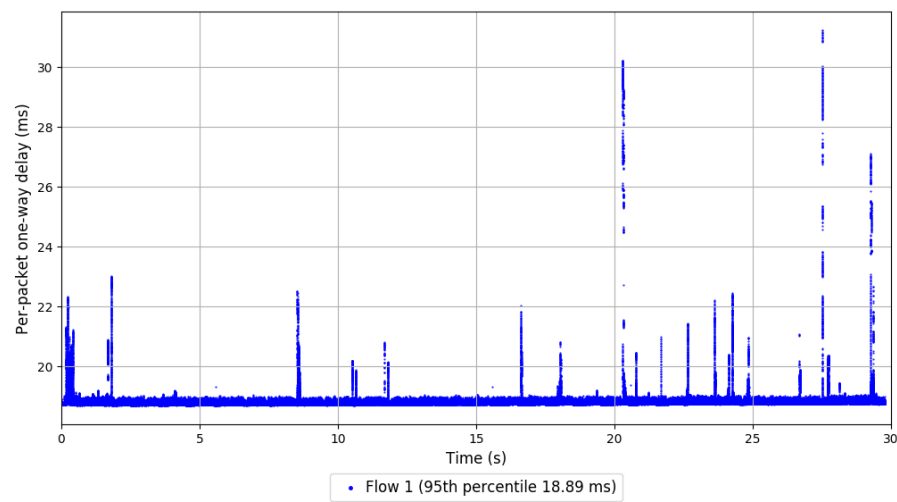
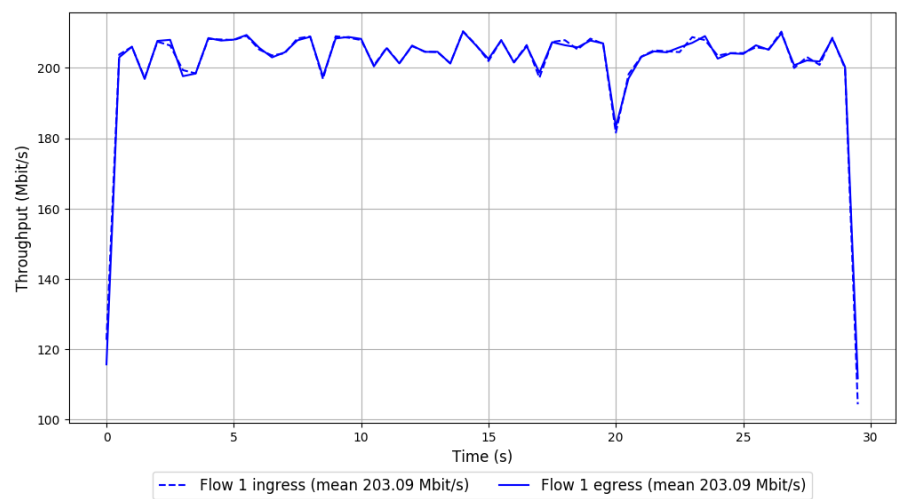
-- Flow 1:

Average throughput: 203.09 Mbit/s

95th percentile per-packet one-way delay: 18.893 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 04:40:37

End at: 2018-02-16 04:41:07

Local clock offset: 0.83 ms

Remote clock offset: -6.645 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 198.19 Mbit/s

95th percentile per-packet one-way delay: 18.912 ms

Loss rate: 0.00%

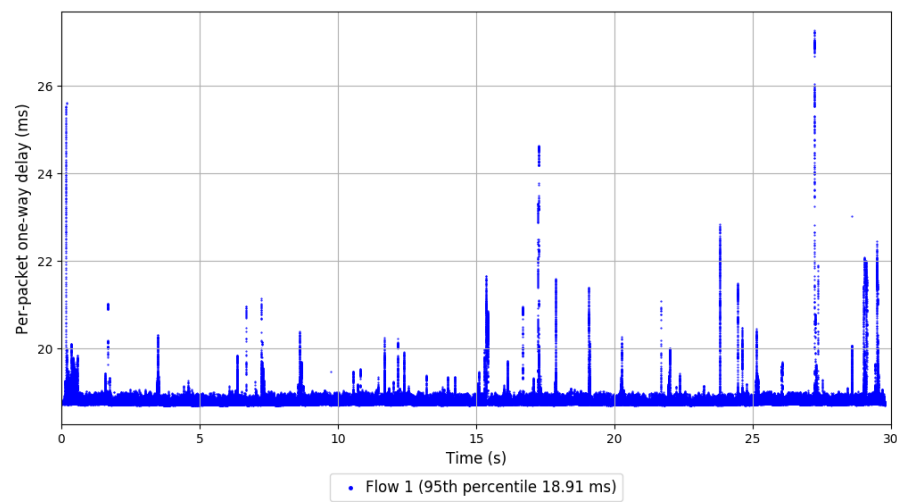
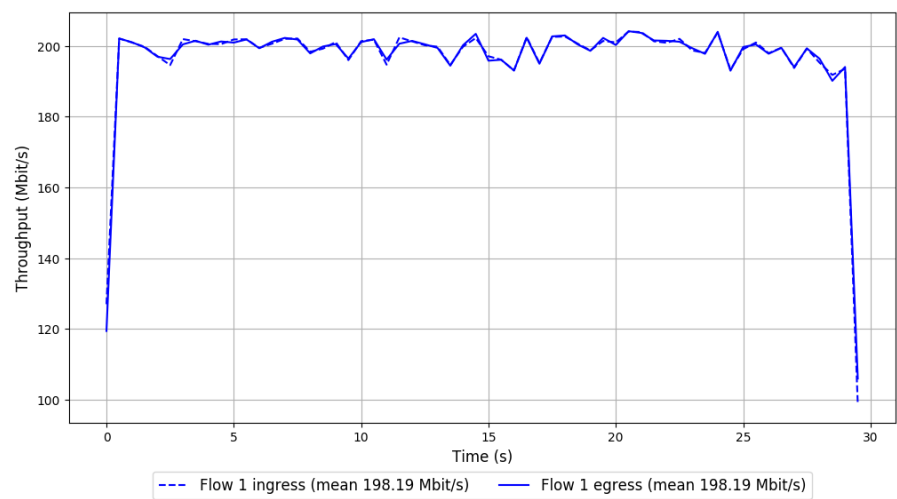
-- Flow 1:

Average throughput: 198.19 Mbit/s

95th percentile per-packet one-way delay: 18.912 ms

Loss rate: 0.00%

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

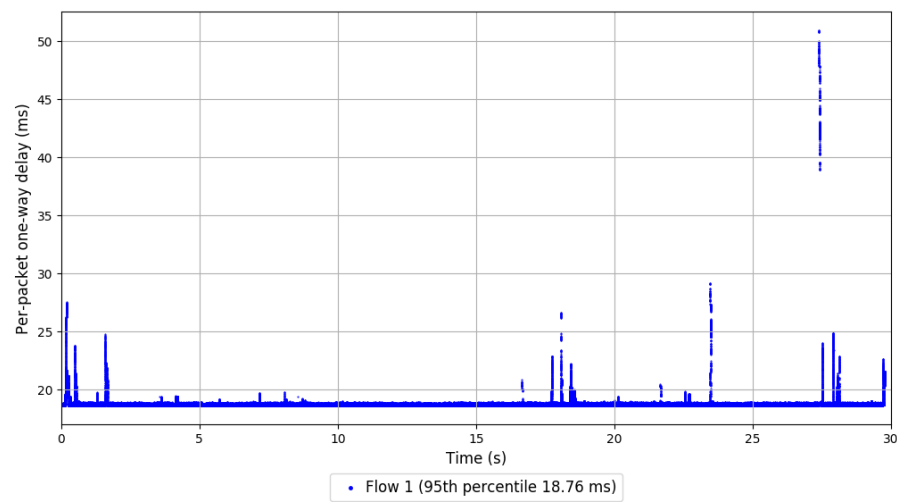
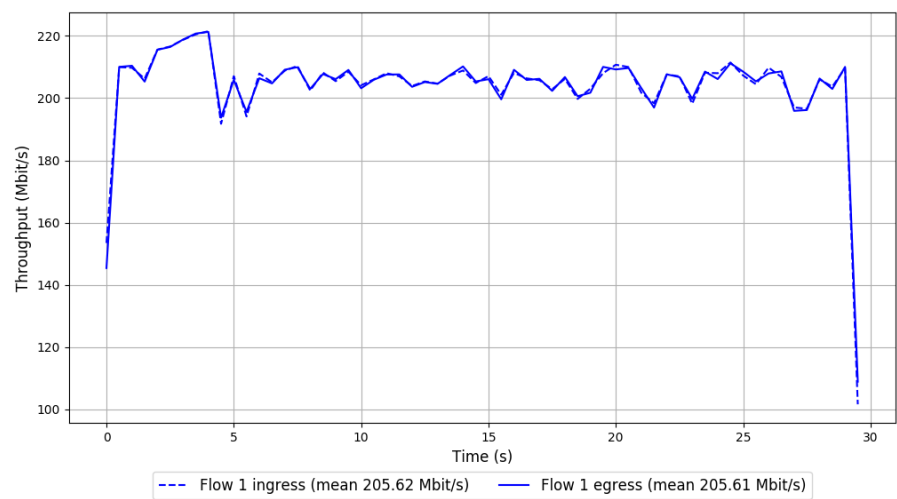


Run 7: Statistics of Indigo-1-32

Start at: 2018-02-16 05:05:46
End at: 2018-02-16 05:06:16
Local clock offset: 0.948 ms
Remote clock offset: -5.387 ms

Below is generated by plot.py at 2018-02-16 10:10:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.61 Mbit/s
95th percentile per-packet one-way delay: 18.759 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 205.61 Mbit/s
95th percentile per-packet one-way delay: 18.759 ms
Loss rate: 0.00%

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

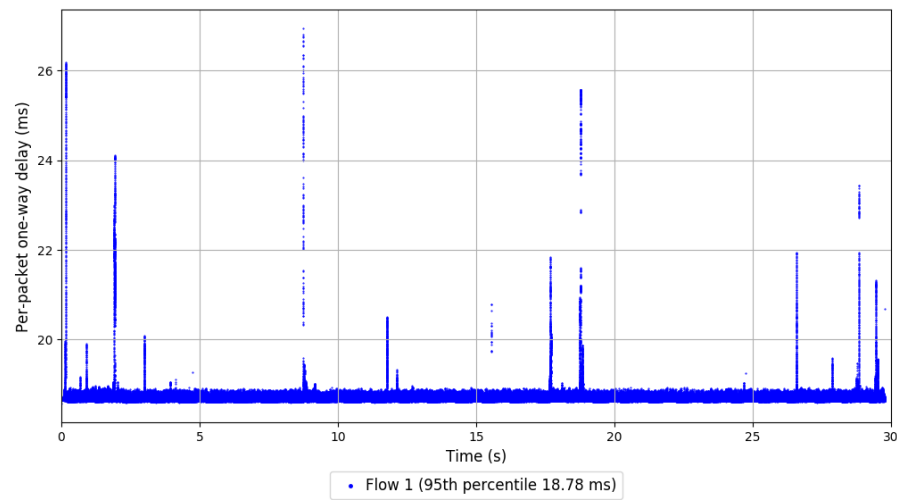
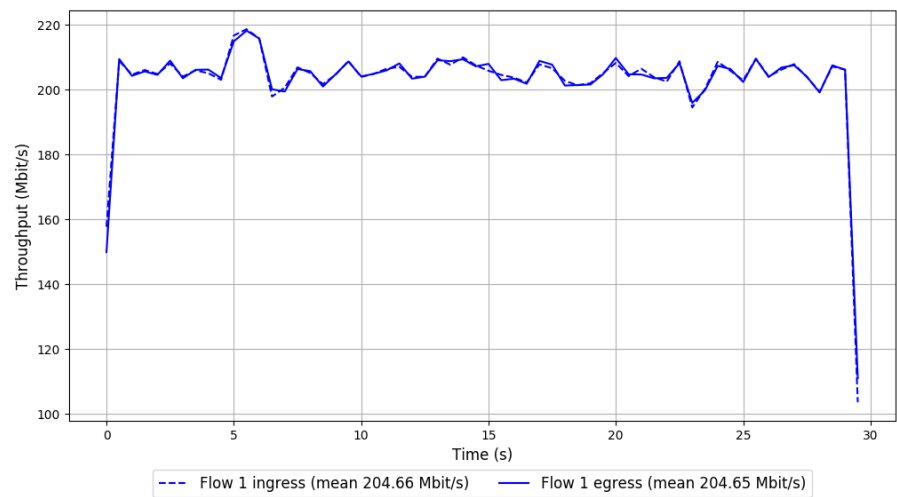


Run 8: Statistics of Indigo-1-32

Start at: 2018-02-16 05:31:35
End at: 2018-02-16 05:32:05
Local clock offset: 1.142 ms
Remote clock offset: -5.452 ms

Below is generated by plot.py at 2018-02-16 10:10:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 204.65 Mbit/s
95th percentile per-packet one-way delay: 18.779 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 204.65 Mbit/s
95th percentile per-packet one-way delay: 18.779 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 05:56:42

End at: 2018-02-16 05:57:12

Local clock offset: 2.689 ms

Remote clock offset: -5.695 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.56 Mbit/s

95th percentile per-packet one-way delay: 18.836 ms

Loss rate: 0.00%

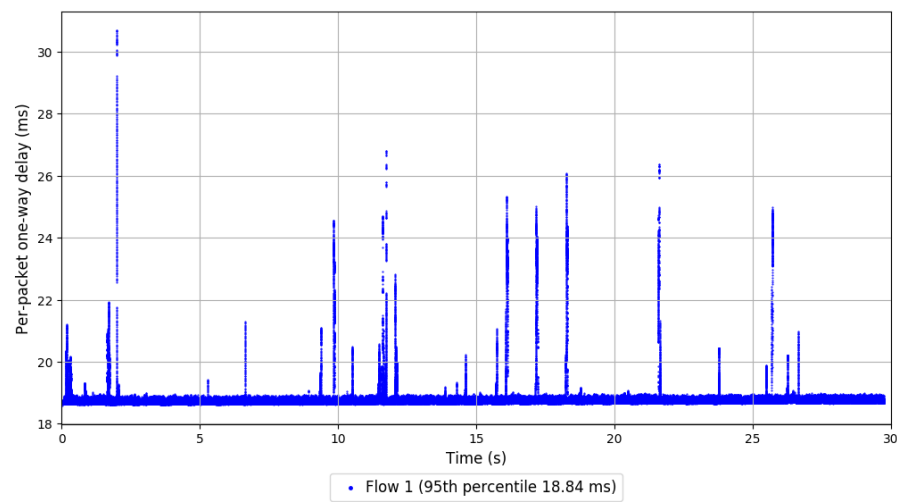
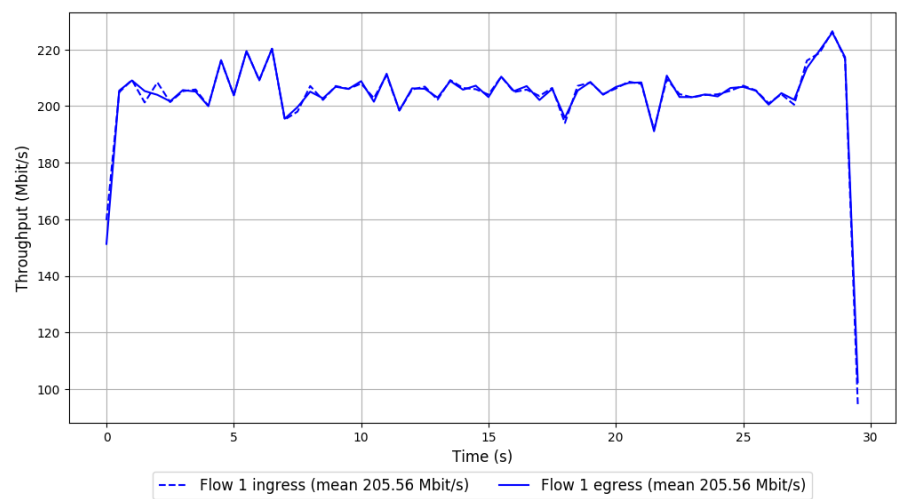
-- Flow 1:

Average throughput: 205.56 Mbit/s

95th percentile per-packet one-way delay: 18.836 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 06:22:17

End at: 2018-02-16 06:22:47

Local clock offset: 2.628 ms

Remote clock offset: -6.313 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 202.69 Mbit/s

95th percentile per-packet one-way delay: 19.114 ms

Loss rate: 0.00%

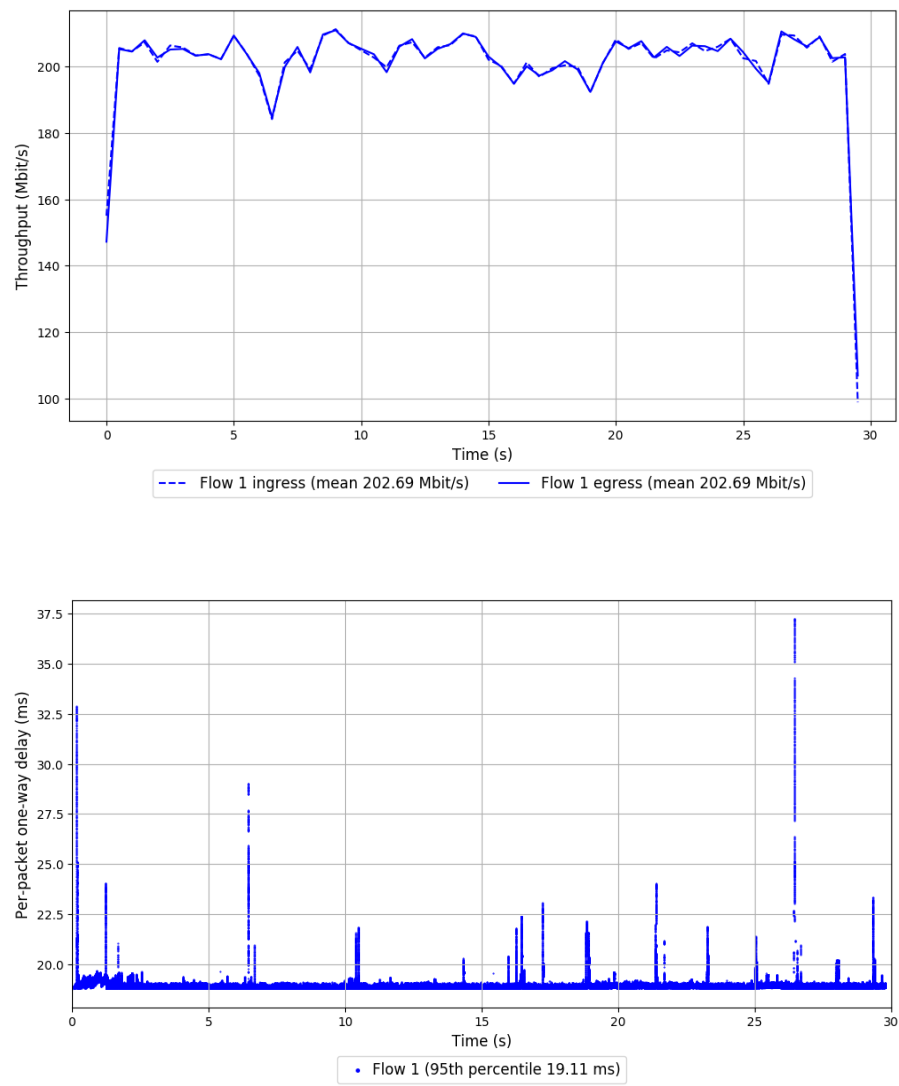
-- Flow 1:

Average throughput: 202.69 Mbit/s

95th percentile per-packet one-way delay: 19.114 ms

Loss rate: 0.00%

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

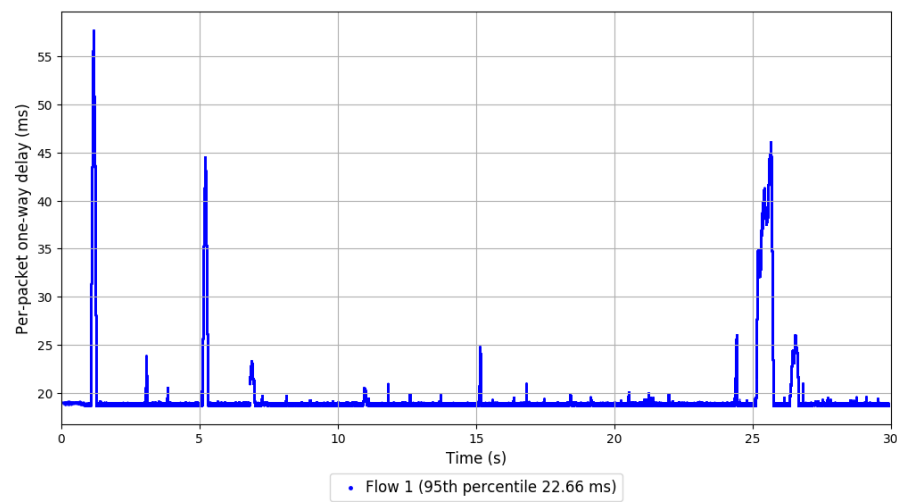
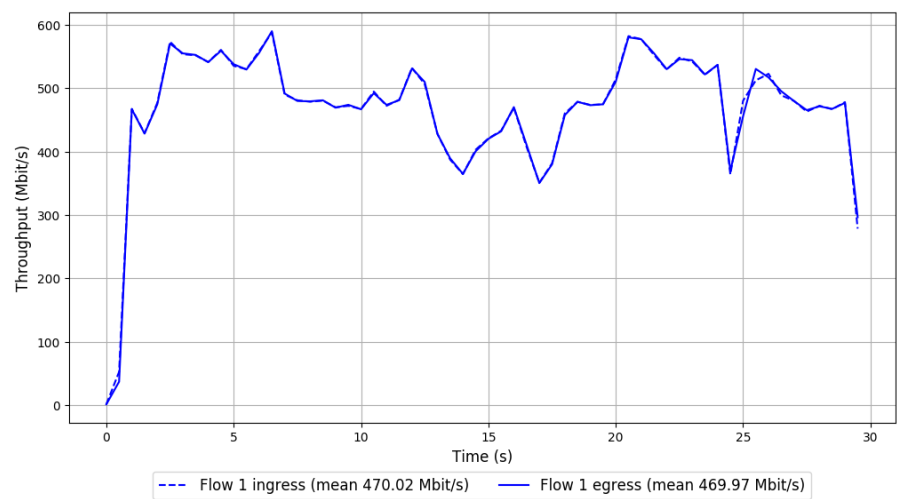


Run 1: Statistics of Vivace-latency

Start at: 2018-02-16 02:15:22
End at: 2018-02-16 02:15:52
Local clock offset: 0.297 ms
Remote clock offset: -4.632 ms

Below is generated by plot.py at 2018-02-16 10:10:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 469.97 Mbit/s
95th percentile per-packet one-way delay: 22.658 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 469.97 Mbit/s
95th percentile per-packet one-way delay: 22.658 ms
Loss rate: 0.01%

Run 1: Report of Vivace-latency — Data Link

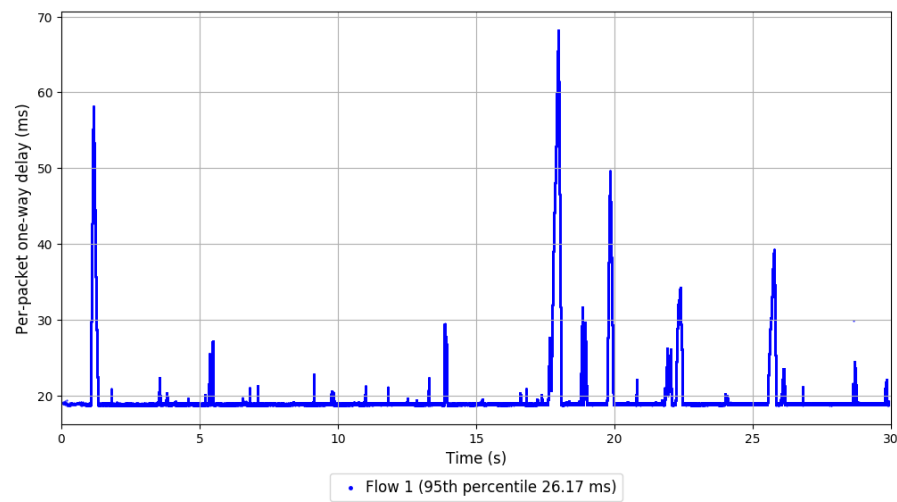
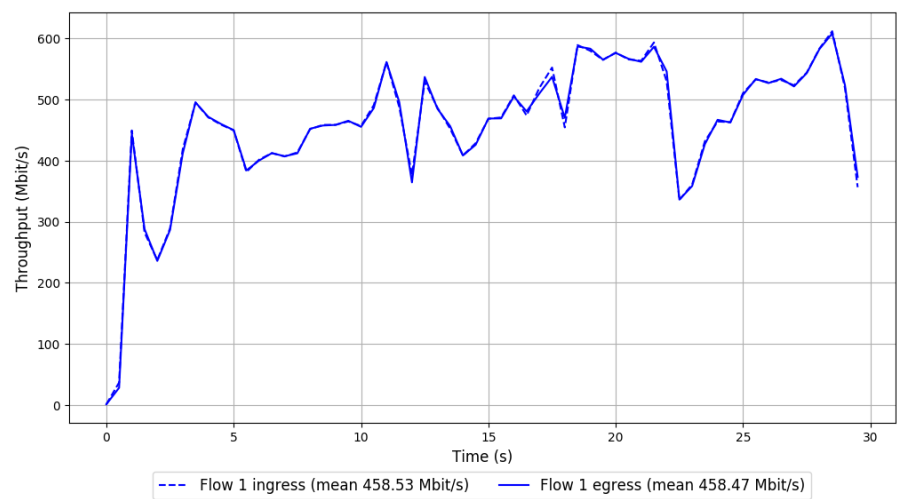


Run 2: Statistics of Vivace-latency

Start at: 2018-02-16 02:40:17
End at: 2018-02-16 02:40:47
Local clock offset: 0.46 ms
Remote clock offset: -5.065 ms

Below is generated by plot.py at 2018-02-16 10:10:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 458.47 Mbit/s
95th percentile per-packet one-way delay: 26.171 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 458.47 Mbit/s
95th percentile per-packet one-way delay: 26.171 ms
Loss rate: 0.02%

Run 2: Report of Vivace-latency — Data Link

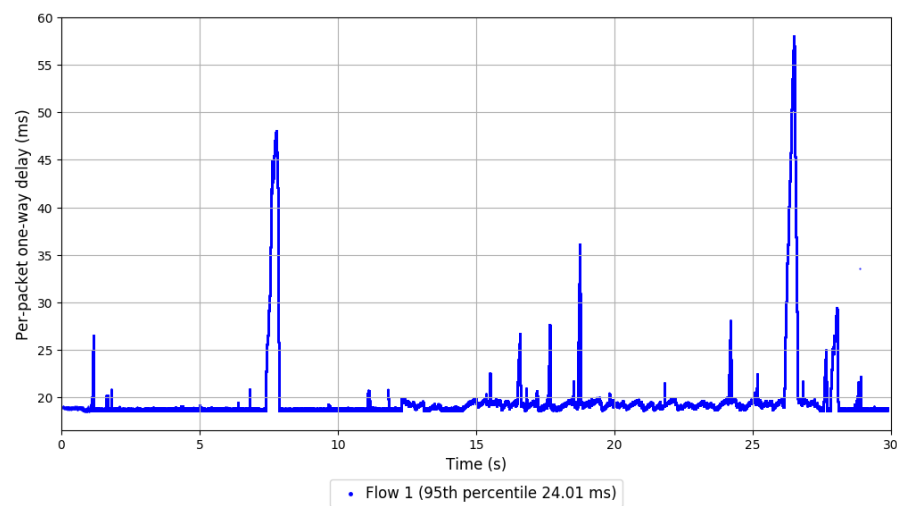
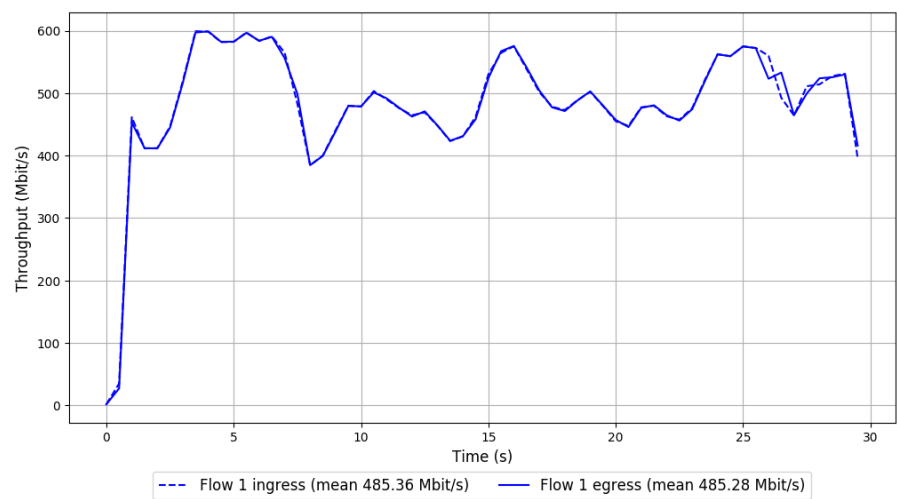


Run 3: Statistics of Vivace-latency

Start at: 2018-02-16 03:05:29
End at: 2018-02-16 03:05:59
Local clock offset: 0.897 ms
Remote clock offset: -5.539 ms

Below is generated by plot.py at 2018-02-16 10:10:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 485.28 Mbit/s
95th percentile per-packet one-way delay: 24.006 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 485.28 Mbit/s
95th percentile per-packet one-way delay: 24.006 ms
Loss rate: 0.02%

Run 3: Report of Vivace-latency — Data Link

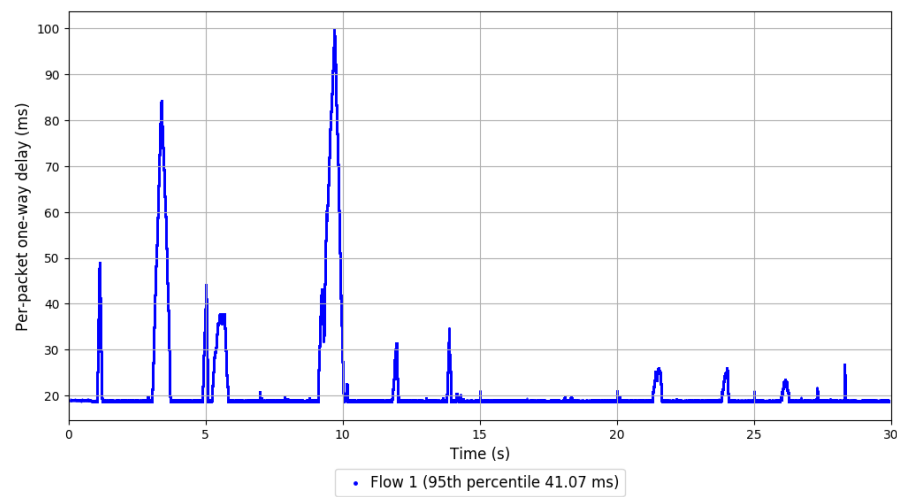
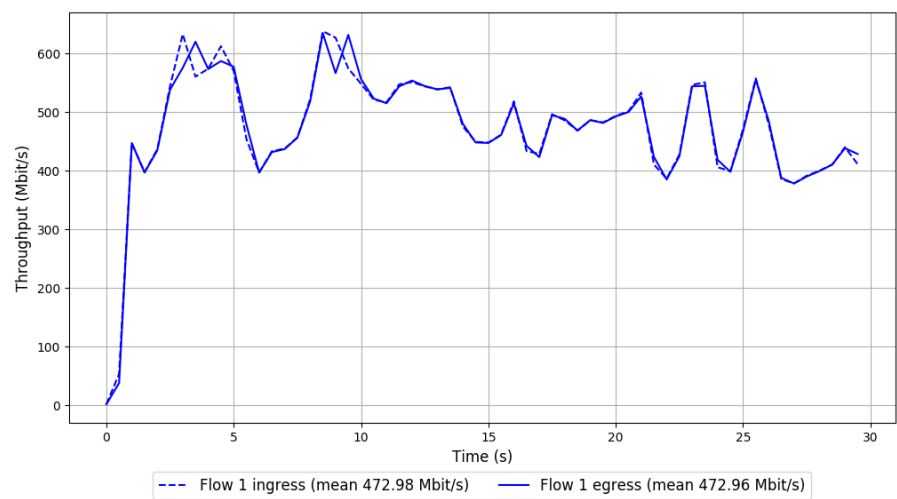


Run 4: Statistics of Vivace-latency

Start at: 2018-02-16 03:30:29
End at: 2018-02-16 03:30:59
Local clock offset: 0.704 ms
Remote clock offset: -6.299 ms

Below is generated by plot.py at 2018-02-16 10:10:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 472.96 Mbit/s
95th percentile per-packet one-way delay: 41.069 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 472.96 Mbit/s
95th percentile per-packet one-way delay: 41.069 ms
Loss rate: 0.01%

Run 4: Report of Vivace-latency — Data Link

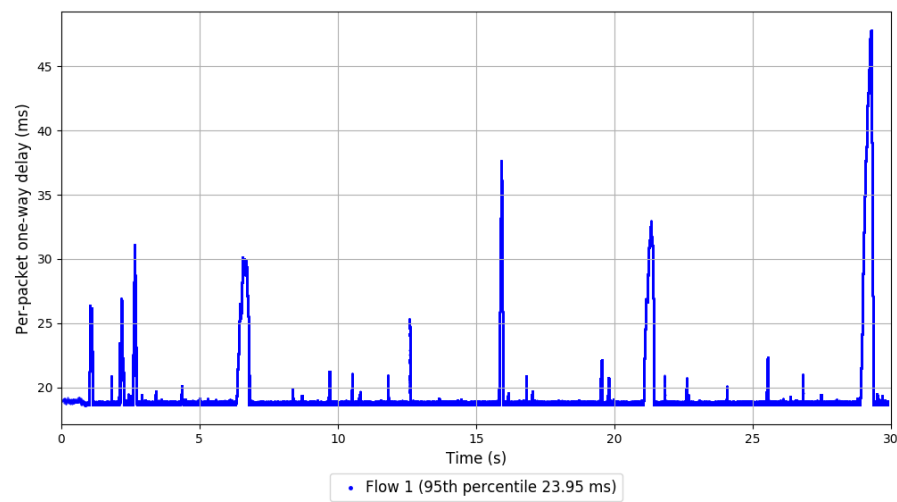
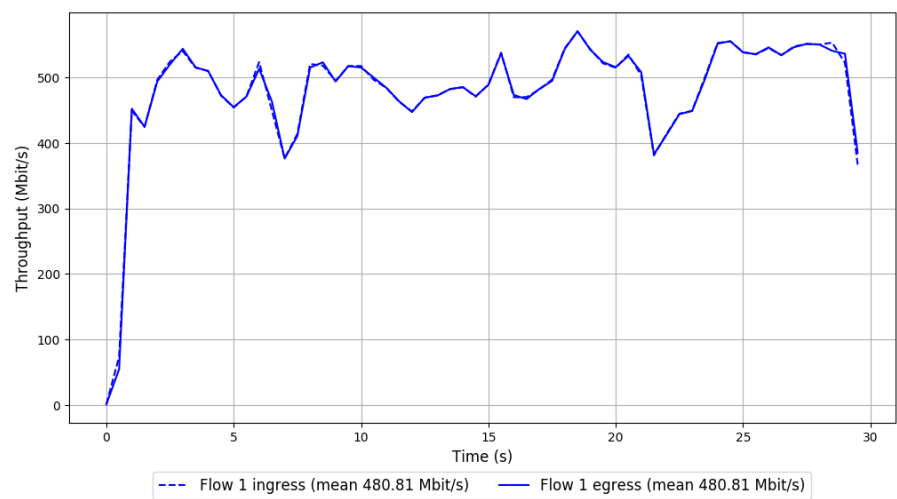


Run 5: Statistics of Vivace-latency

Start at: 2018-02-16 03:55:33
End at: 2018-02-16 03:56:03
Local clock offset: 0.744 ms
Remote clock offset: -5.358 ms

Below is generated by plot.py at 2018-02-16 10:11:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 480.81 Mbit/s
95th percentile per-packet one-way delay: 23.955 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 480.81 Mbit/s
95th percentile per-packet one-way delay: 23.955 ms
Loss rate: 0.01%

Run 5: Report of Vivace-latency — Data Link

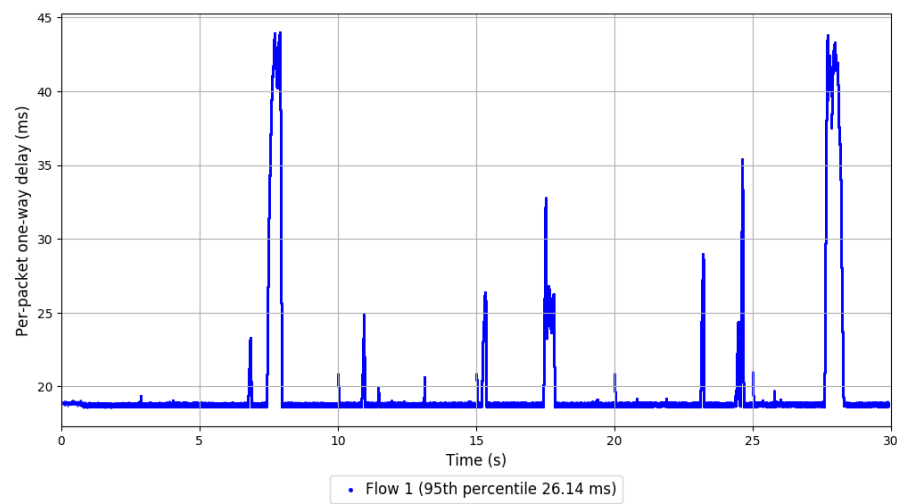
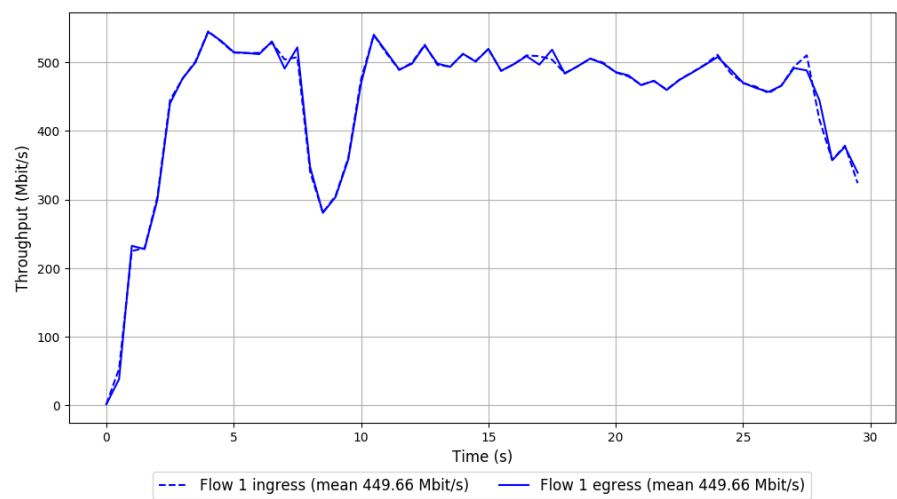


Run 6: Statistics of Vivace-latency

Start at: 2018-02-16 04:20:38
End at: 2018-02-16 04:21:08
Local clock offset: 0.897 ms
Remote clock offset: -5.993 ms

Below is generated by plot.py at 2018-02-16 10:14:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 449.66 Mbit/s
95th percentile per-packet one-way delay: 26.144 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 449.66 Mbit/s
95th percentile per-packet one-way delay: 26.144 ms
Loss rate: 0.00%

Run 6: Report of Vivace-latency — Data Link

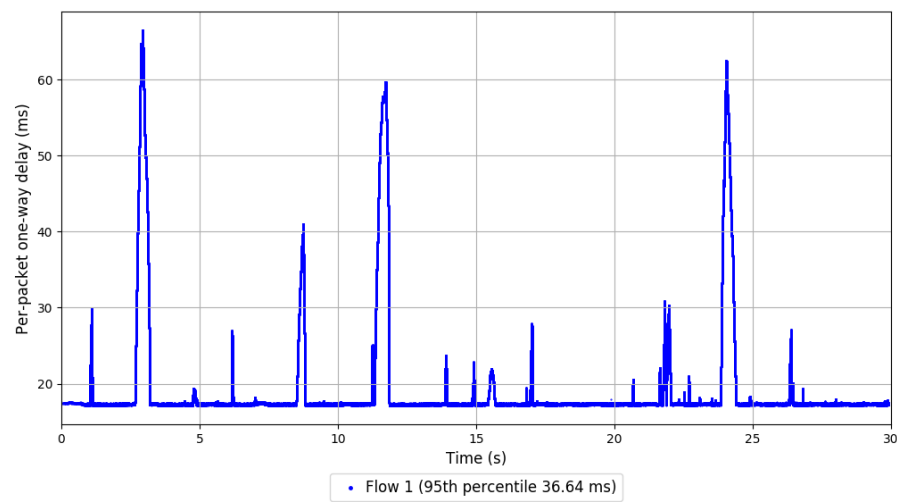
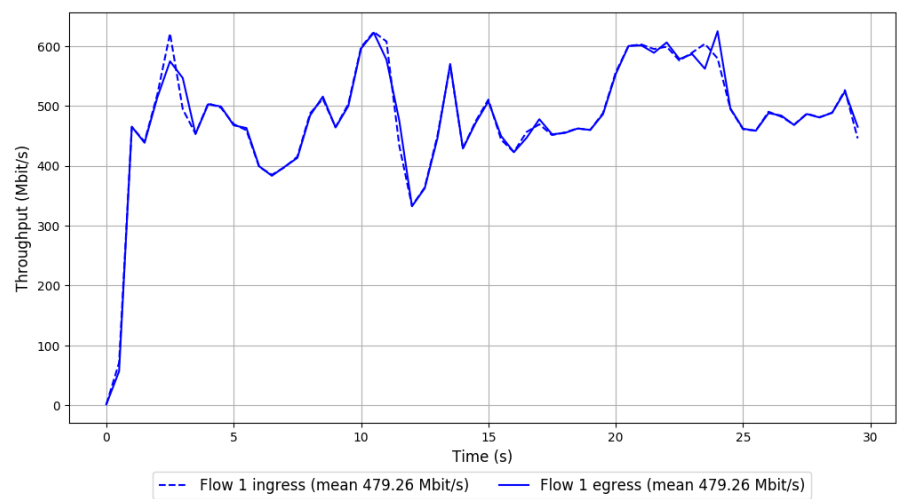


Run 7: Statistics of Vivace-latency

Start at: 2018-02-16 04:45:48
End at: 2018-02-16 04:46:18
Local clock offset: 0.896 ms
Remote clock offset: -6.767 ms

Below is generated by plot.py at 2018-02-16 10:15:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 479.26 Mbit/s
95th percentile per-packet one-way delay: 36.644 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 479.26 Mbit/s
95th percentile per-packet one-way delay: 36.644 ms
Loss rate: 0.00%

Run 7: Report of Vivace-latency — Data Link

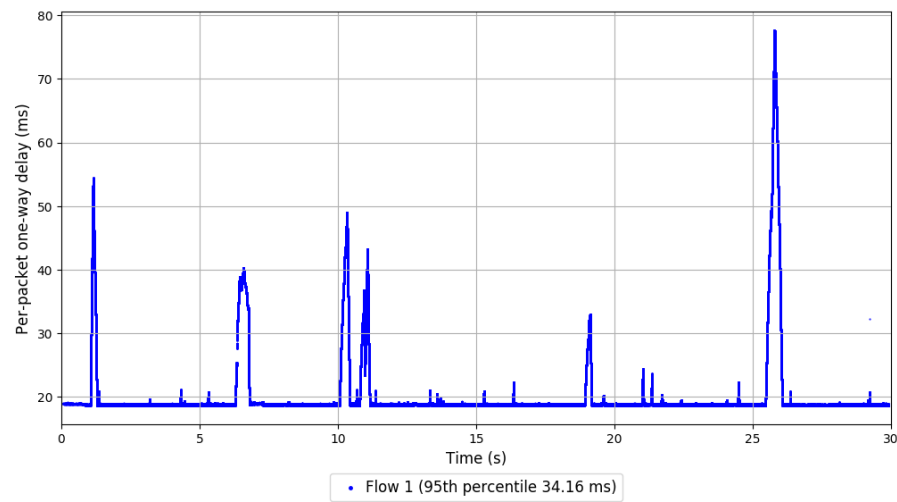
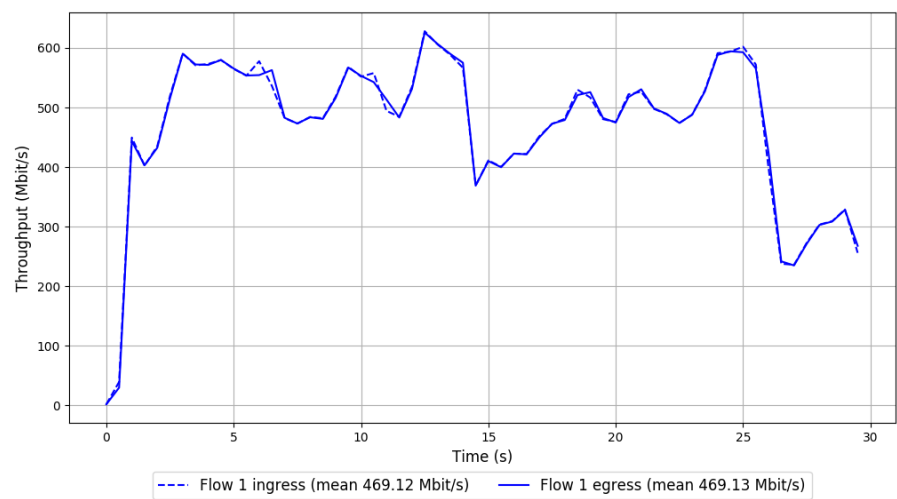


Run 8: Statistics of Vivace-latency

Start at: 2018-02-16 05:10:58
End at: 2018-02-16 05:11:28
Local clock offset: 0.931 ms
Remote clock offset: -5.284 ms

Below is generated by plot.py at 2018-02-16 10:16:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 469.13 Mbit/s
95th percentile per-packet one-way delay: 34.155 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 469.13 Mbit/s
95th percentile per-packet one-way delay: 34.155 ms
Loss rate: 0.00%

Run 8: Report of Vivace-latency — Data Link

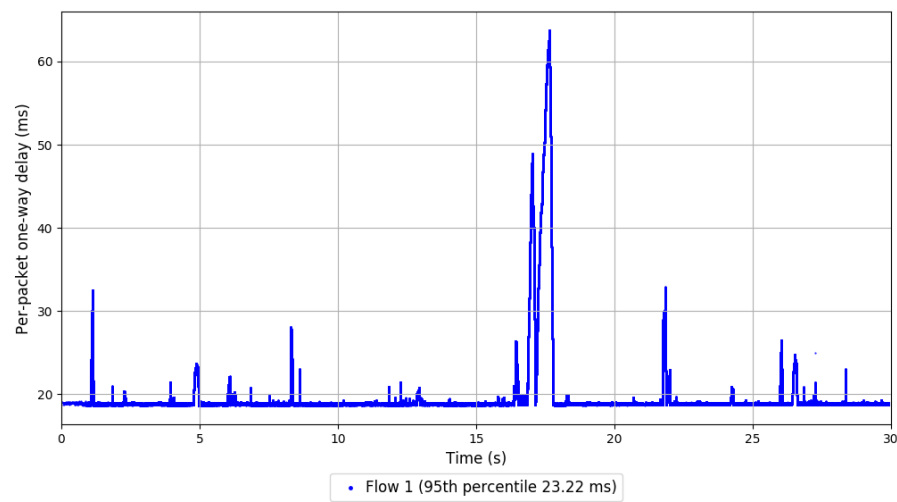
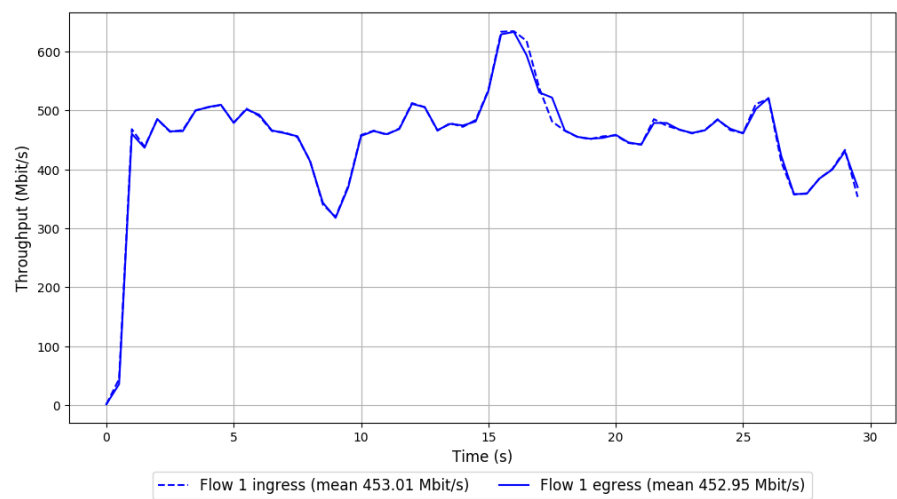


Run 9: Statistics of Vivace-latency

Start at: 2018-02-16 05:36:46
End at: 2018-02-16 05:37:16
Local clock offset: 1.146 ms
Remote clock offset: -5.463 ms

Below is generated by plot.py at 2018-02-16 10:17:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 452.95 Mbit/s
95th percentile per-packet one-way delay: 23.222 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 452.95 Mbit/s
95th percentile per-packet one-way delay: 23.222 ms
Loss rate: 0.02%

Run 9: Report of Vivace-latency — Data Link

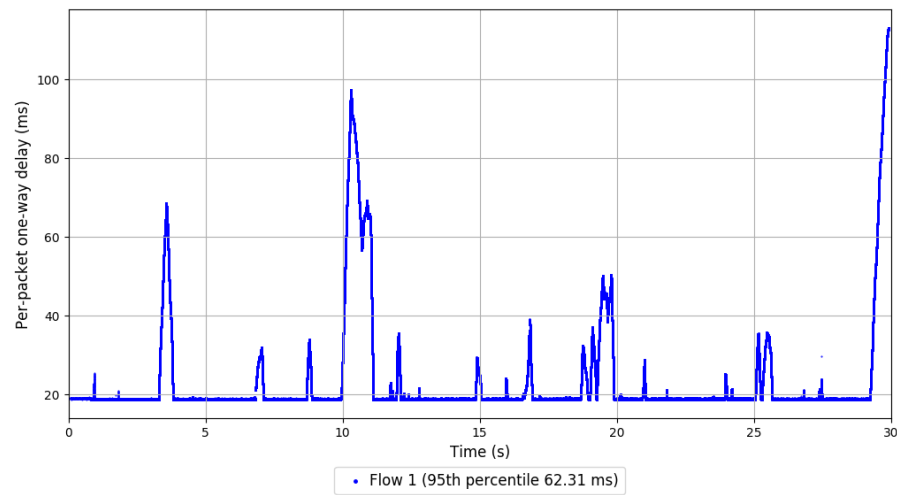
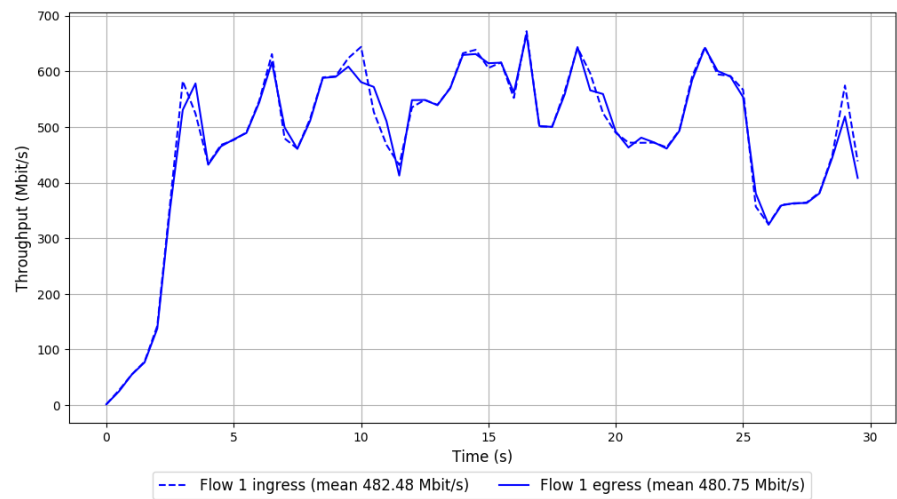


Run 10: Statistics of Vivace-latency

Start at: 2018-02-16 06:01:53
End at: 2018-02-16 06:02:23
Local clock offset: 2.852 ms
Remote clock offset: -5.885 ms

Below is generated by plot.py at 2018-02-16 10:17:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 480.75 Mbit/s
95th percentile per-packet one-way delay: 62.307 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 480.75 Mbit/s
95th percentile per-packet one-way delay: 62.307 ms
Loss rate: 0.36%

Run 10: Report of Vivace-latency — Data Link

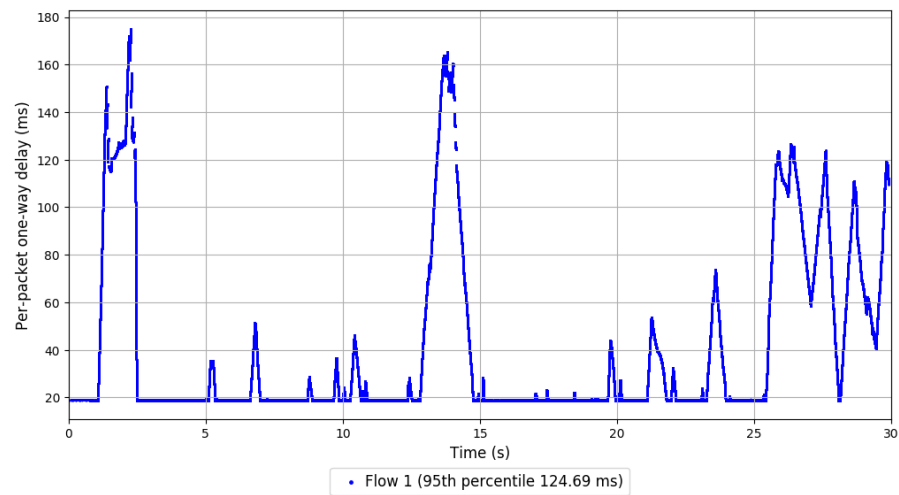
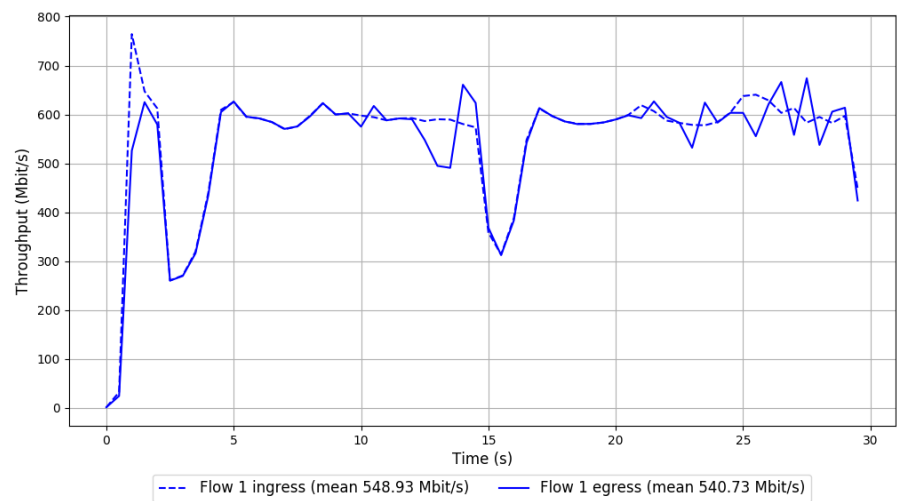


```
Run 1: Statistics of Vivace-loss

Start at: 2018-02-16 02:26:37
End at: 2018-02-16 02:27:07
Local clock offset: 0.527 ms
Remote clock offset: -4.273 ms

# Below is generated by plot.py at 2018-02-16 10:18:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 540.73 Mbit/s
95th percentile per-packet one-way delay: 124.695 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 540.73 Mbit/s
95th percentile per-packet one-way delay: 124.695 ms
Loss rate: 1.50%
```

Run 1: Report of Vivace-loss — Data Link

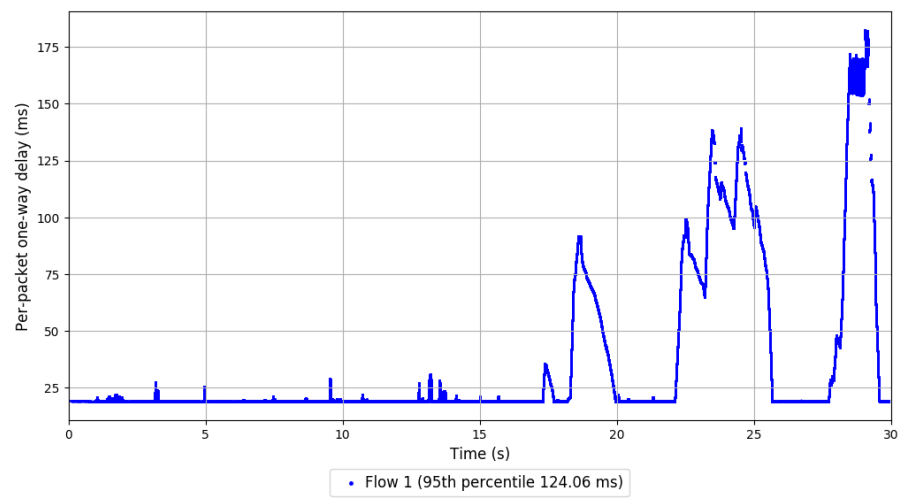
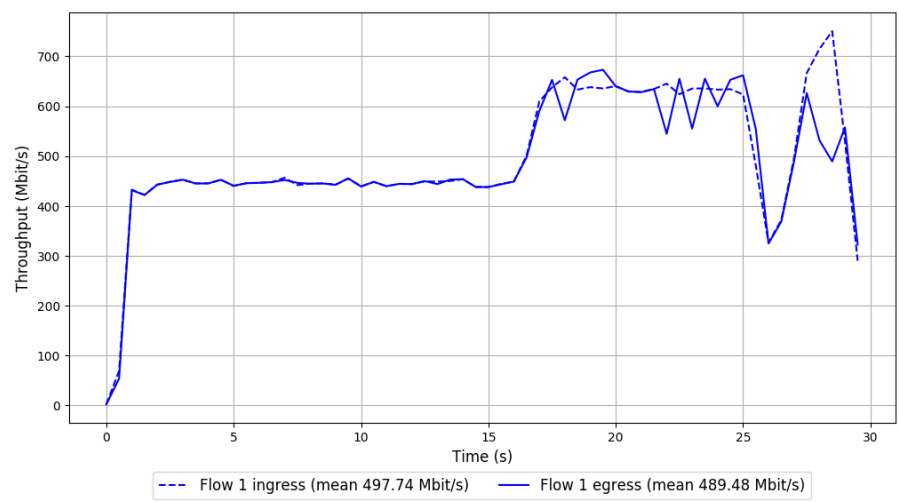


Run 2: Statistics of Vivace-loss

Start at: 2018-02-16 02:51:38
End at: 2018-02-16 02:52:08
Local clock offset: 0.613 ms
Remote clock offset: -5.256 ms

Below is generated by plot.py at 2018-02-16 10:18:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 489.48 Mbit/s
95th percentile per-packet one-way delay: 124.057 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 489.48 Mbit/s
95th percentile per-packet one-way delay: 124.057 ms
Loss rate: 1.67%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-02-16 03:16:45

End at: 2018-02-16 03:17:15

Local clock offset: 1.01 ms

Remote clock offset: -6.089 ms

Below is generated by plot.py at 2018-02-16 10:18:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 552.83 Mbit/s

95th percentile per-packet one-way delay: 143.722 ms

Loss rate: 1.64%

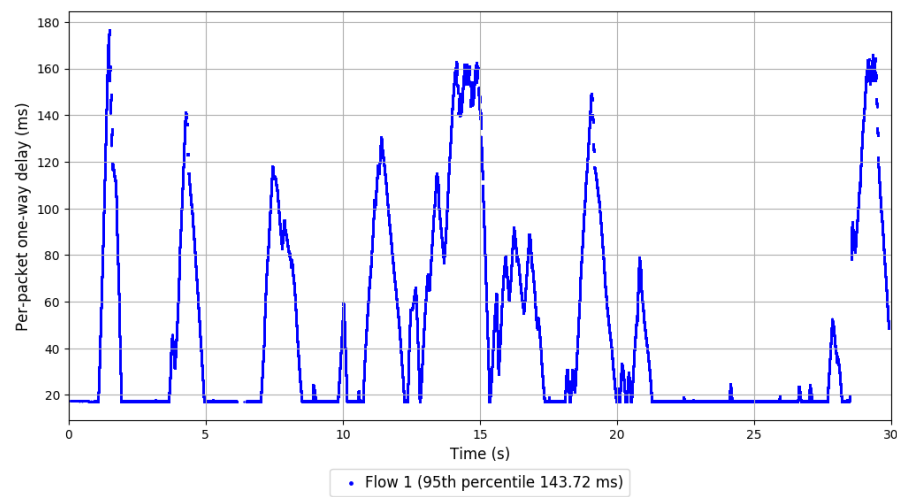
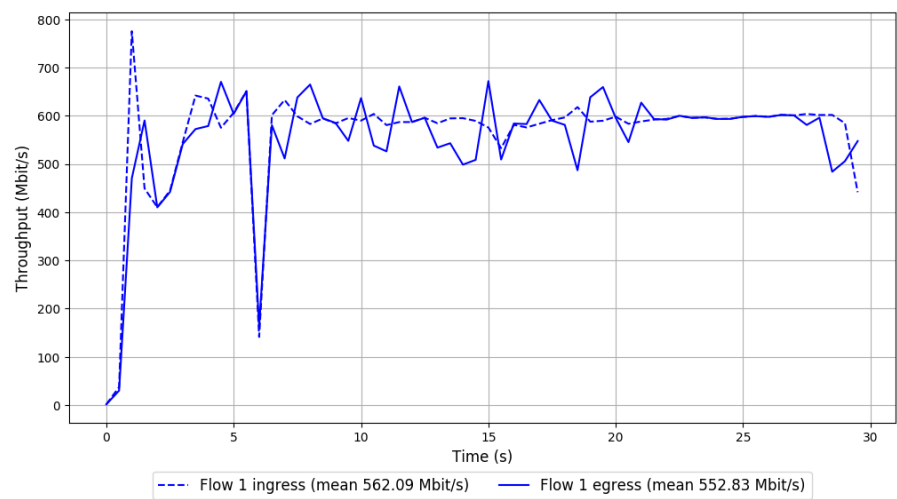
-- Flow 1:

Average throughput: 552.83 Mbit/s

95th percentile per-packet one-way delay: 143.722 ms

Loss rate: 1.64%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-02-16 03:41:43

End at: 2018-02-16 03:42:13

Local clock offset: 0.717 ms

Remote clock offset: -6.015 ms

Below is generated by plot.py at 2018-02-16 10:21:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 513.01 Mbit/s

95th percentile per-packet one-way delay: 68.918 ms

Loss rate: 0.10%

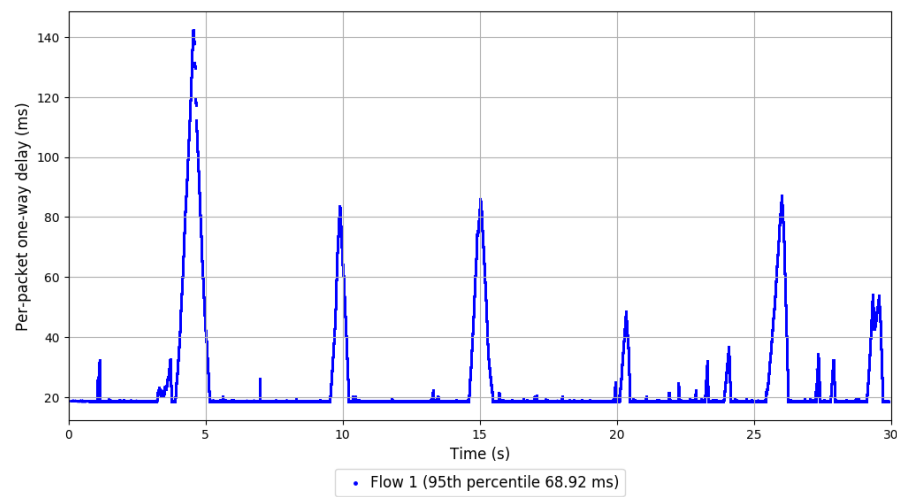
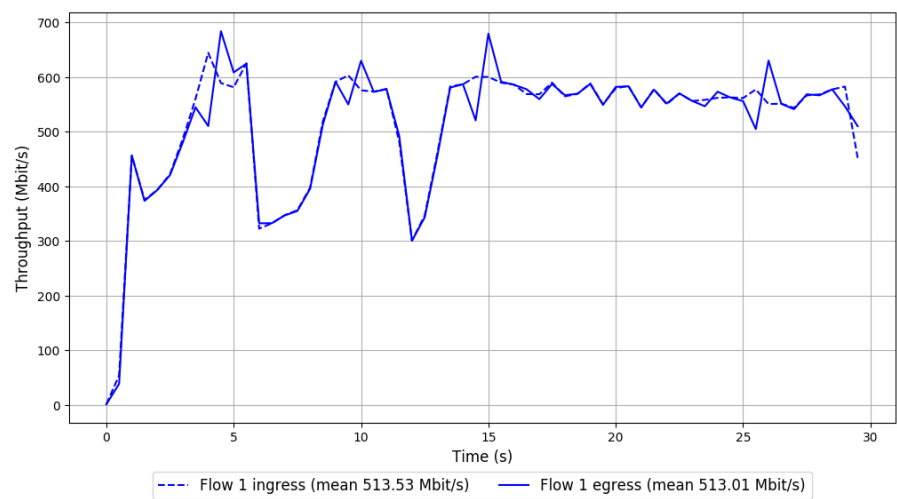
-- Flow 1:

Average throughput: 513.01 Mbit/s

95th percentile per-packet one-way delay: 68.918 ms

Loss rate: 0.10%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-02-16 04:06:40

End at: 2018-02-16 04:07:10

Local clock offset: 0.775 ms

Remote clock offset: -5.201 ms

Below is generated by plot.py at 2018-02-16 10:24:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 608.58 Mbit/s

95th percentile per-packet one-way delay: 142.261 ms

Loss rate: 4.12%

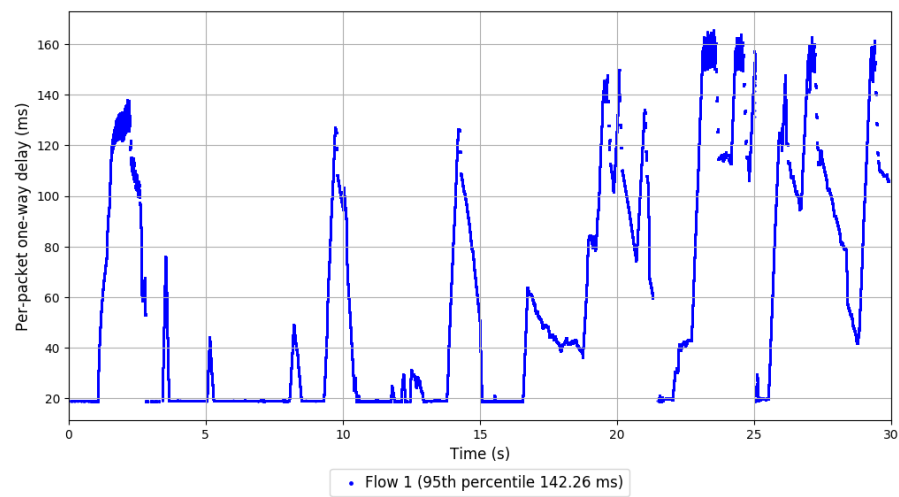
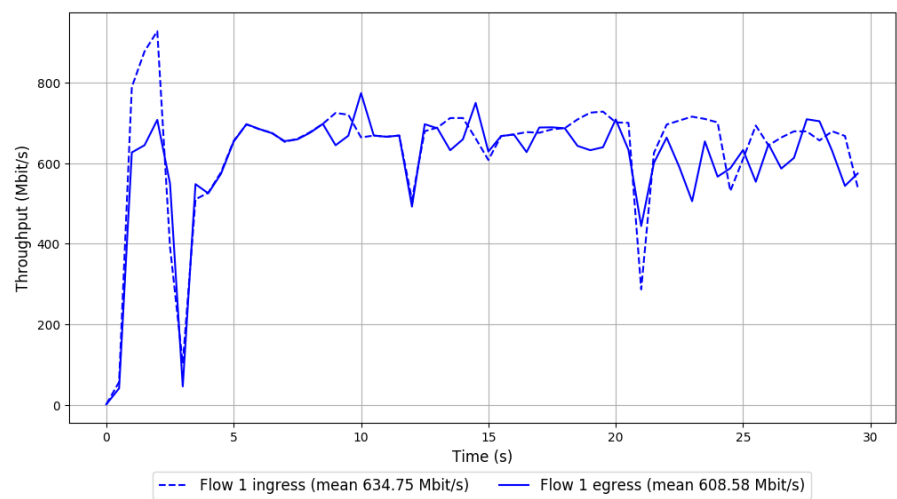
-- Flow 1:

Average throughput: 608.58 Mbit/s

95th percentile per-packet one-way delay: 142.261 ms

Loss rate: 4.12%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-02-16 04:31:57

End at: 2018-02-16 04:32:27

Local clock offset: 0.917 ms

Remote clock offset: -6.395 ms

Below is generated by plot.py at 2018-02-16 10:24:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 568.82 Mbit/s

95th percentile per-packet one-way delay: 74.874 ms

Loss rate: 0.01%

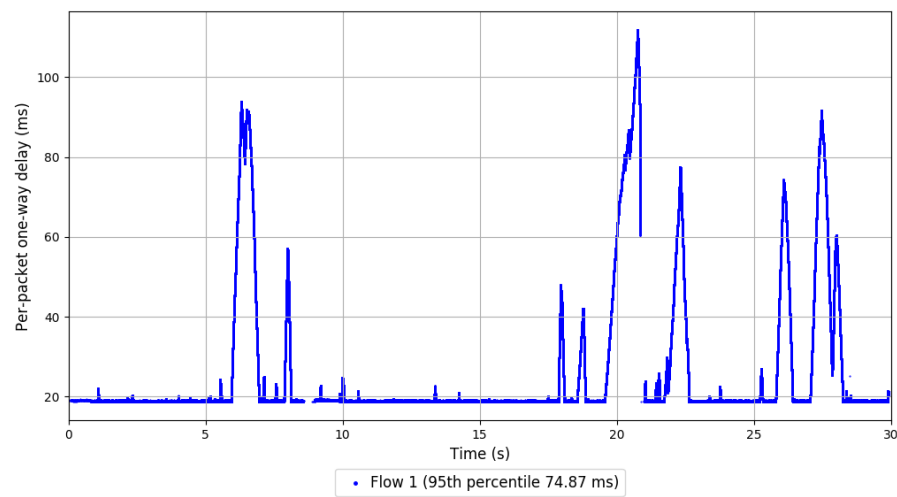
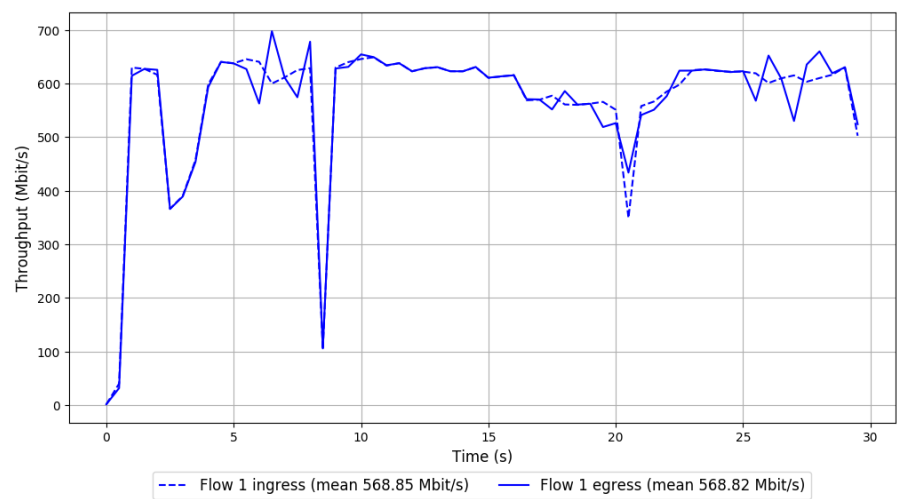
-- Flow 1:

Average throughput: 568.82 Mbit/s

95th percentile per-packet one-way delay: 74.874 ms

Loss rate: 0.01%

Run 6: Report of Vivace-loss — Data Link

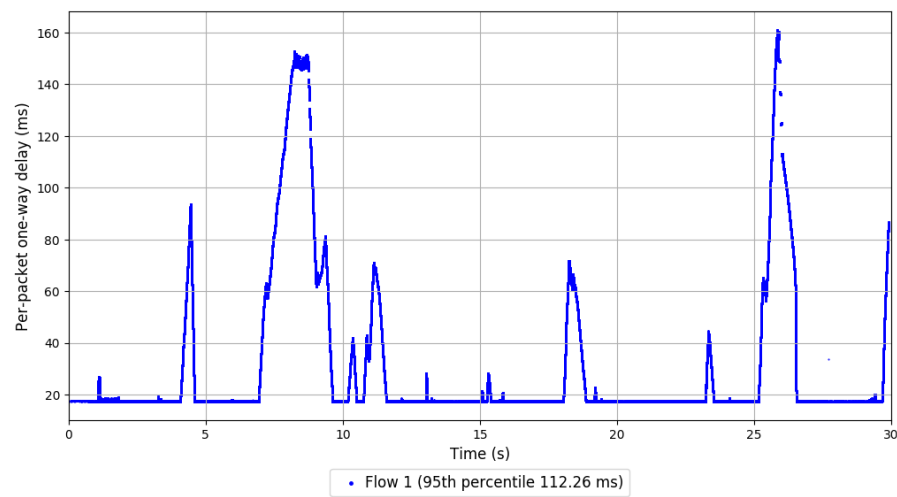
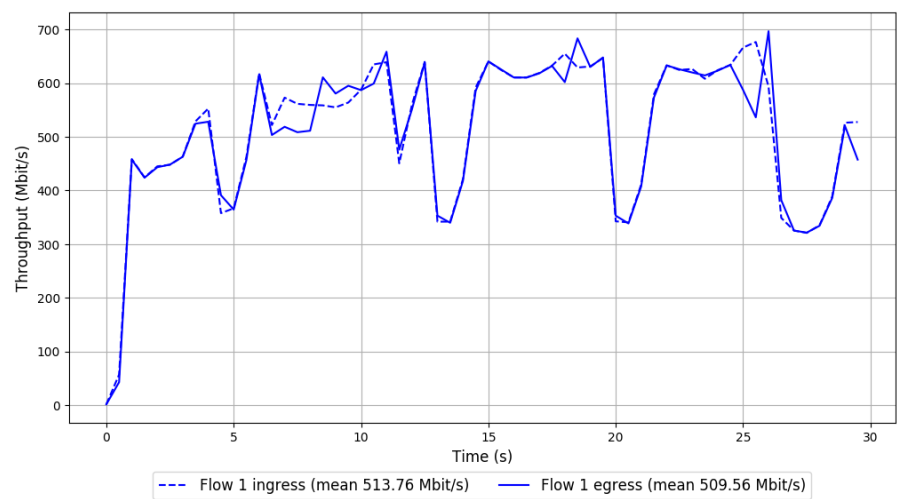


Run 7: Statistics of Vivace-loss

Start at: 2018-02-16 04:57:11
End at: 2018-02-16 04:57:41
Local clock offset: 0.801 ms
Remote clock offset: -5.682 ms

Below is generated by plot.py at 2018-02-16 10:24:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 509.56 Mbit/s
95th percentile per-packet one-way delay: 112.256 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 509.56 Mbit/s
95th percentile per-packet one-way delay: 112.256 ms
Loss rate: 0.82%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-02-16 05:22:58

End at: 2018-02-16 05:23:28

Local clock offset: 1.127 ms

Remote clock offset: -5.235 ms

Below is generated by plot.py at 2018-02-16 10:26:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 561.11 Mbit/s

95th percentile per-packet one-way delay: 153.203 ms

Loss rate: 7.47%

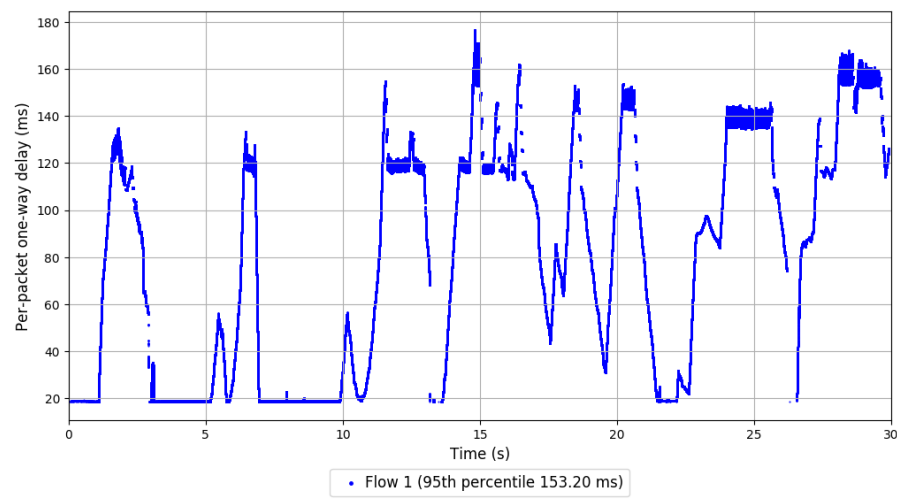
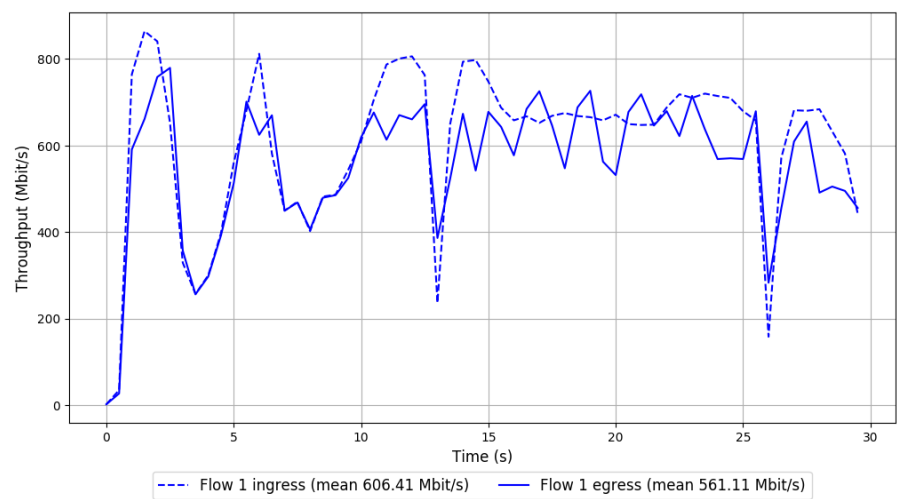
-- Flow 1:

Average throughput: 561.11 Mbit/s

95th percentile per-packet one-way delay: 153.203 ms

Loss rate: 7.47%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-02-16 05:47:55

End at: 2018-02-16 05:48:25

Local clock offset: 2.275 ms

Remote clock offset: -5.555 ms

Below is generated by plot.py at 2018-02-16 10:26:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 523.13 Mbit/s

95th percentile per-packet one-way delay: 114.105 ms

Loss rate: 0.65%

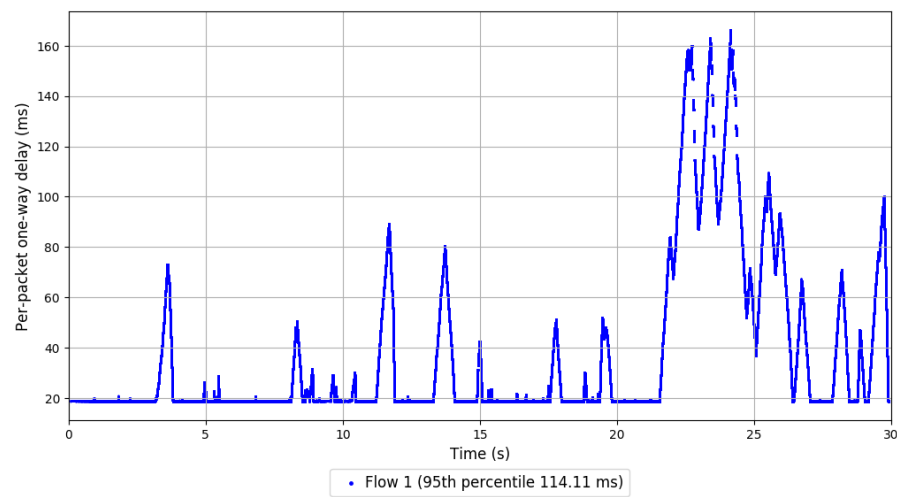
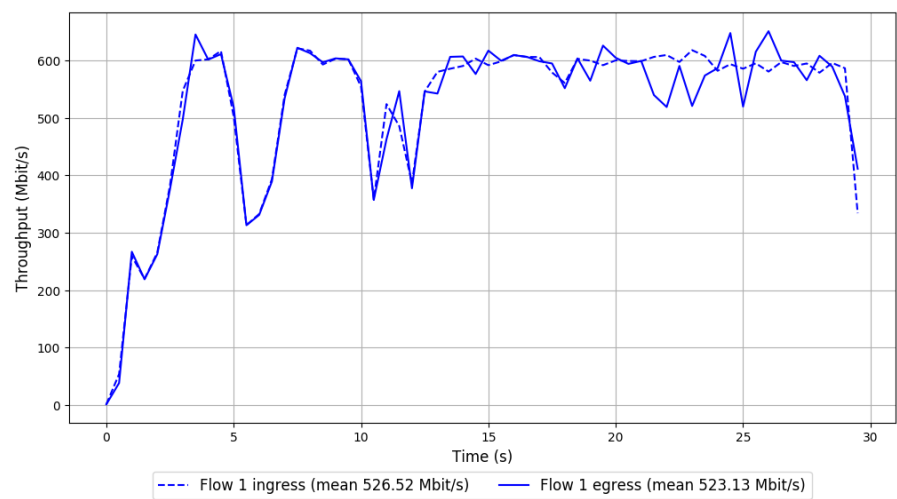
-- Flow 1:

Average throughput: 523.13 Mbit/s

95th percentile per-packet one-way delay: 114.105 ms

Loss rate: 0.65%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-02-16 06:13:22

End at: 2018-02-16 06:13:52

Local clock offset: 2.903 ms

Remote clock offset: -6.241 ms

Below is generated by plot.py at 2018-02-16 10:26:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 585.88 Mbit/s

95th percentile per-packet one-way delay: 134.646 ms

Loss rate: 4.03%

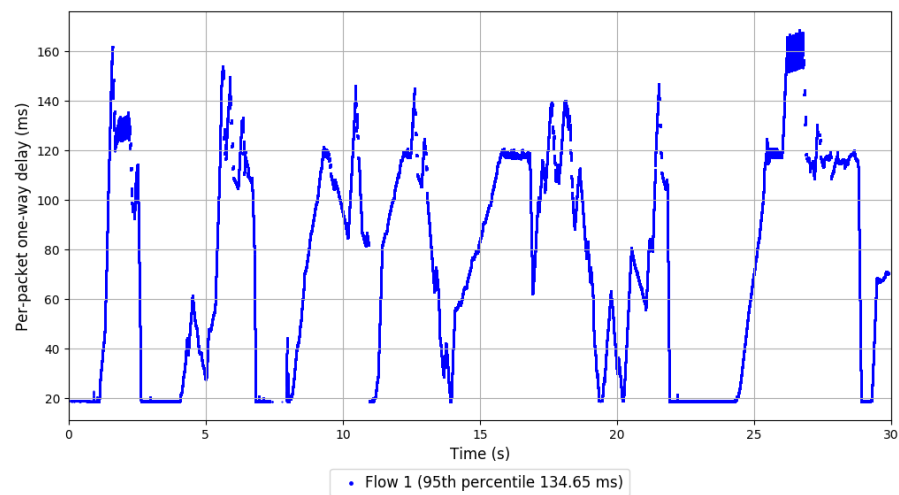
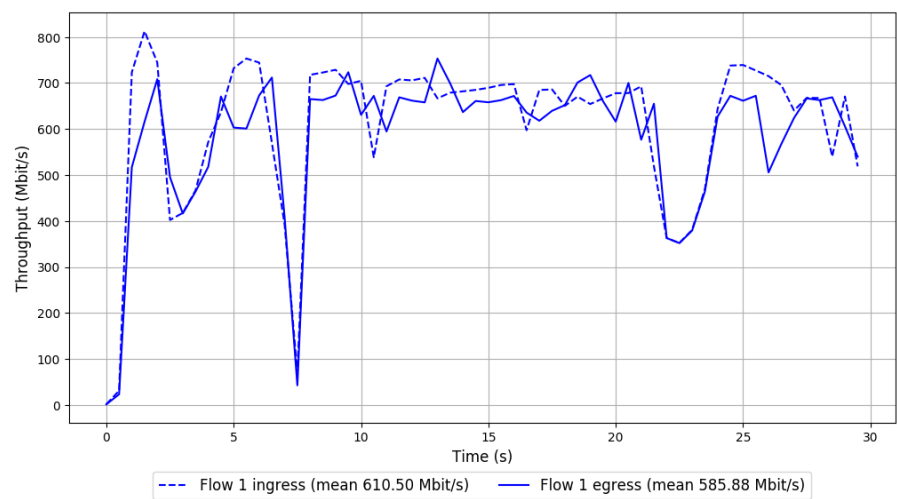
-- Flow 1:

Average throughput: 585.88 Mbit/s

95th percentile per-packet one-way delay: 134.646 ms

Loss rate: 4.03%

Run 10: Report of Vivace-loss — Data Link



Run 1: Statistics of Vivace-LTE

Start at: 2018-02-16 02:25:01

End at: 2018-02-16 02:25:31

Local clock offset: 0.428 ms

Remote clock offset: -4.269 ms

Below is generated by plot.py at 2018-02-16 10:26:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 528.03 Mbit/s

95th percentile per-packet one-way delay: 39.688 ms

Loss rate: 0.02%

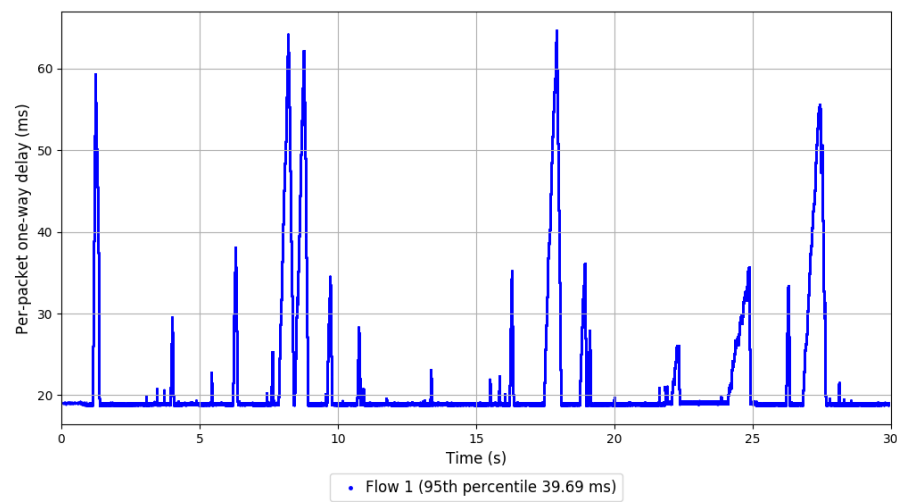
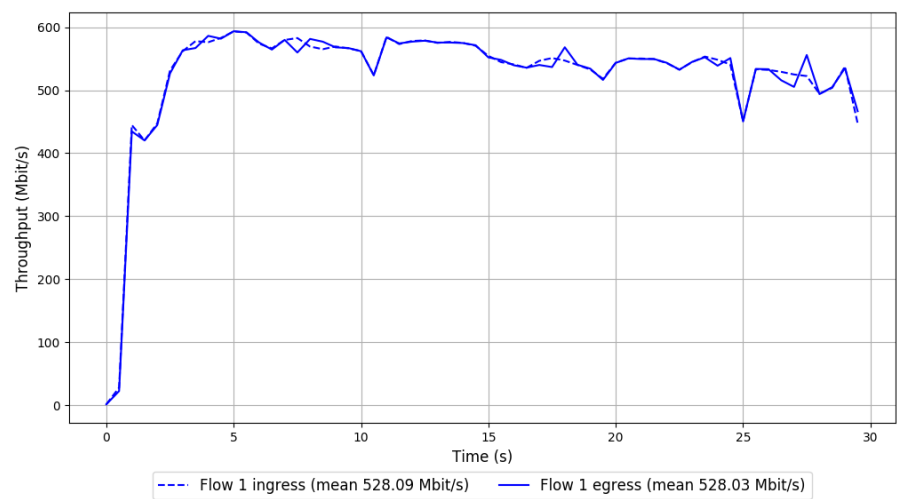
-- Flow 1:

Average throughput: 528.03 Mbit/s

95th percentile per-packet one-way delay: 39.688 ms

Loss rate: 0.02%

Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-02-16 02:49:56

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

Local clock offset: 0.669 ms

Remote clock offset: -5.239 ms

Below is generated by plot.py at 2018-02-16 10:29:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 544.16 Mbit/s

95th percentile per-packet one-way delay: 107.024 ms

Loss rate: 0.53%

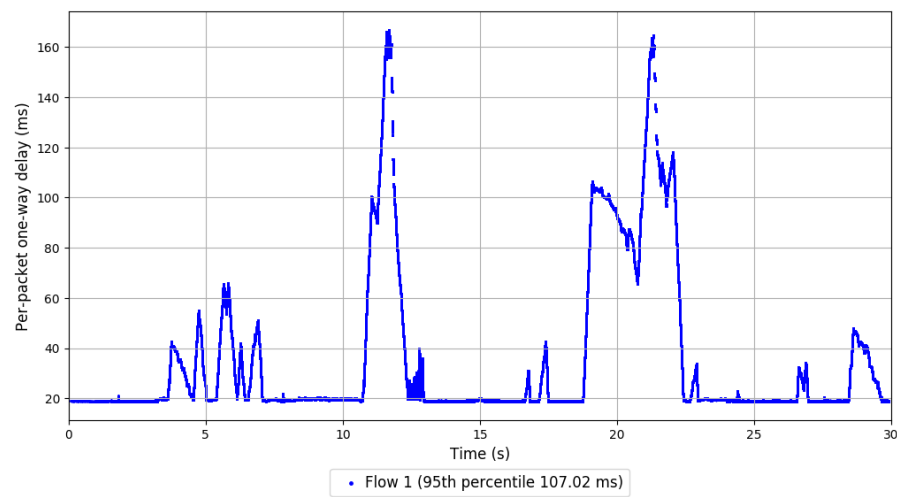
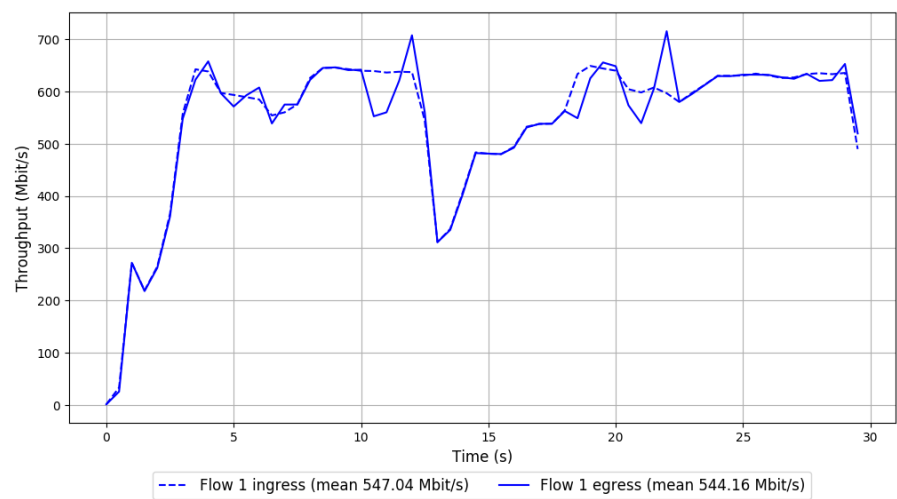
-- Flow 1:

Average throughput: 544.16 Mbit/s

95th percentile per-packet one-way delay: 107.024 ms

Loss rate: 0.53%

Run 2: Report of Vivace-LTE — Data Link

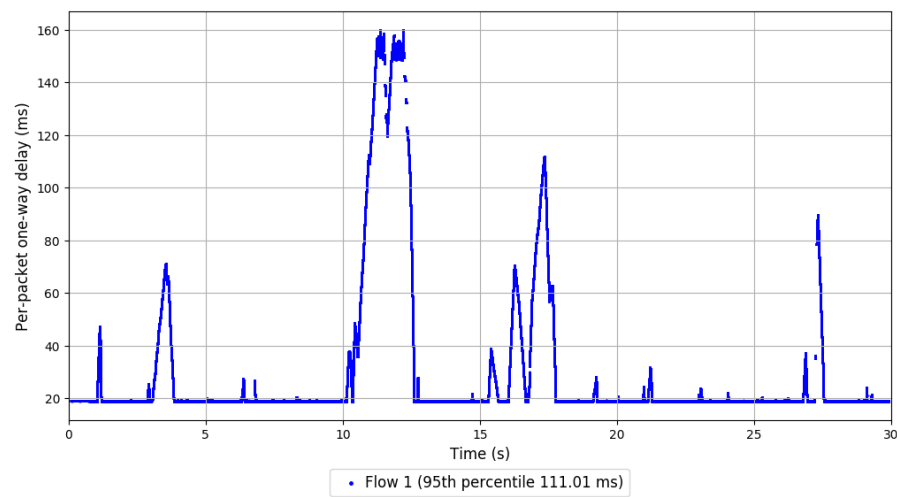
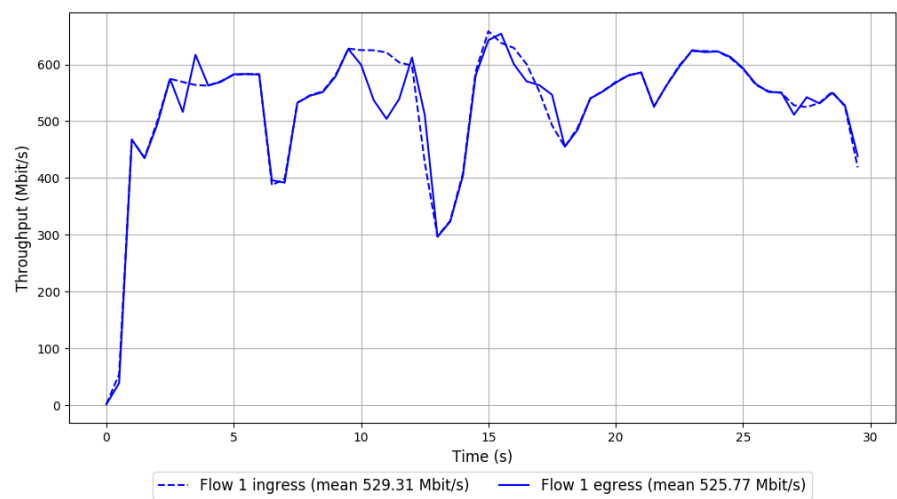


Run 3: Statistics of Vivace-LTE

Start at: 2018-02-16 03:15:09
End at: 2018-02-16 03:15:39
Local clock offset: 0.902 ms
Remote clock offset: -6.005 ms

Below is generated by plot.py at 2018-02-16 10:31:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 525.77 Mbit/s
95th percentile per-packet one-way delay: 111.011 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 525.77 Mbit/s
95th percentile per-packet one-way delay: 111.011 ms
Loss rate: 0.67%

Run 3: Report of Vivace-LTE — Data Link

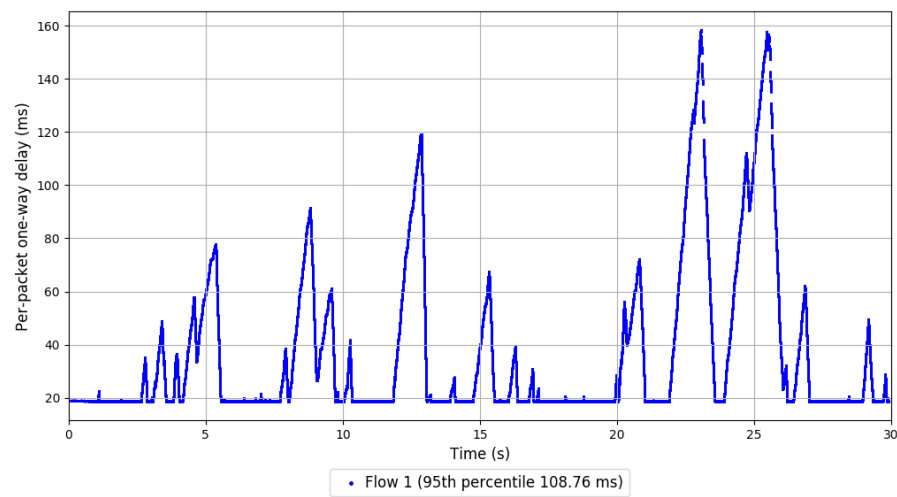
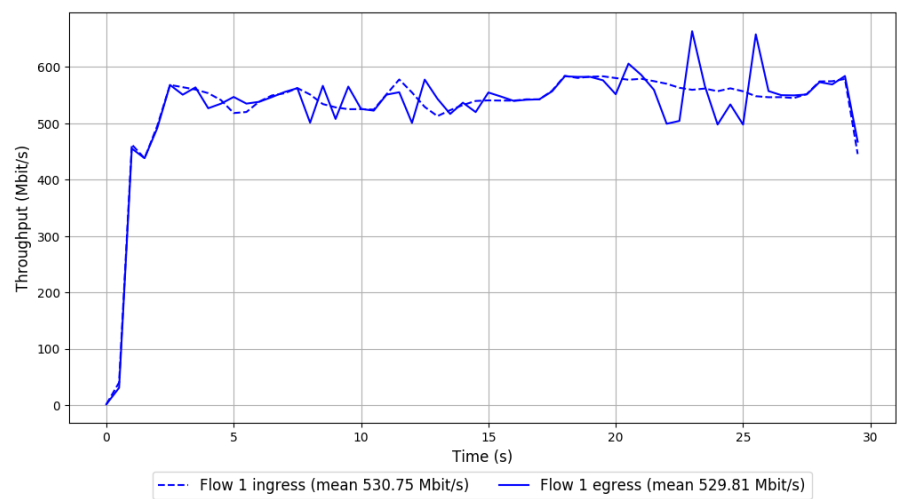


Run 4: Statistics of Vivace-LTE

Start at: 2018-02-16 03:40:06
End at: 2018-02-16 03:40:36
Local clock offset: 0.709 ms
Remote clock offset: -6.243 ms

Below is generated by plot.py at 2018-02-16 10:31:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 529.81 Mbit/s
95th percentile per-packet one-way delay: 108.758 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 529.81 Mbit/s
95th percentile per-packet one-way delay: 108.758 ms
Loss rate: 0.18%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-02-16 04:05:07

End at: 2018-02-16 04:05:37

Local clock offset: 0.847 ms

Remote clock offset: -5.275 ms

Below is generated by plot.py at 2018-02-16 10:31:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 467.75 Mbit/s

95th percentile per-packet one-way delay: 41.315 ms

Loss rate: 0.13%

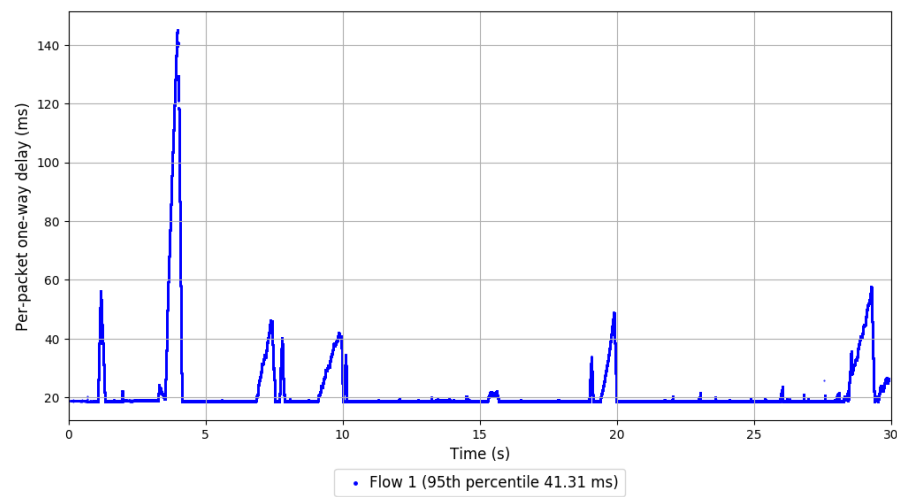
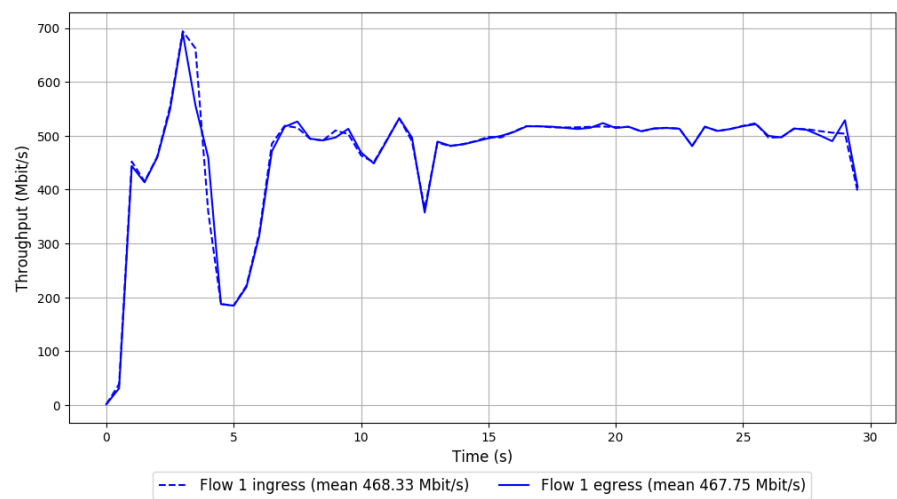
-- Flow 1:

Average throughput: 467.75 Mbit/s

95th percentile per-packet one-way delay: 41.315 ms

Loss rate: 0.13%

Run 5: Report of Vivace-LTE — Data Link

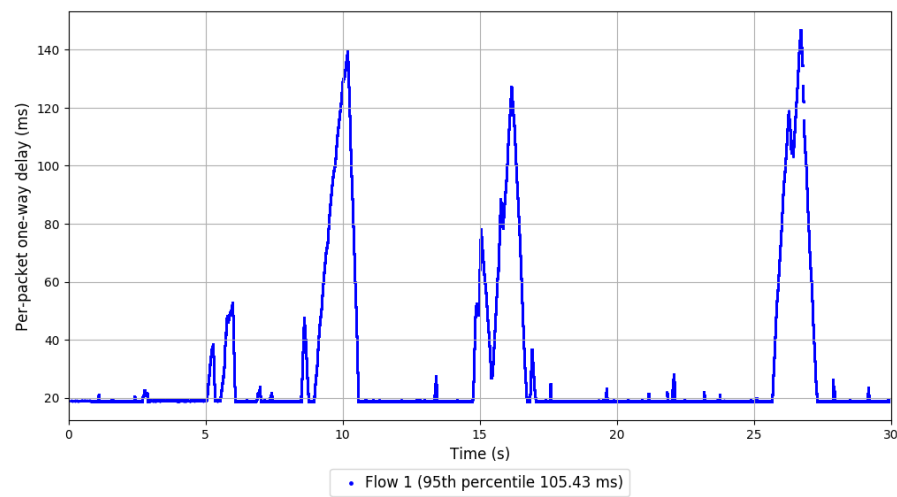
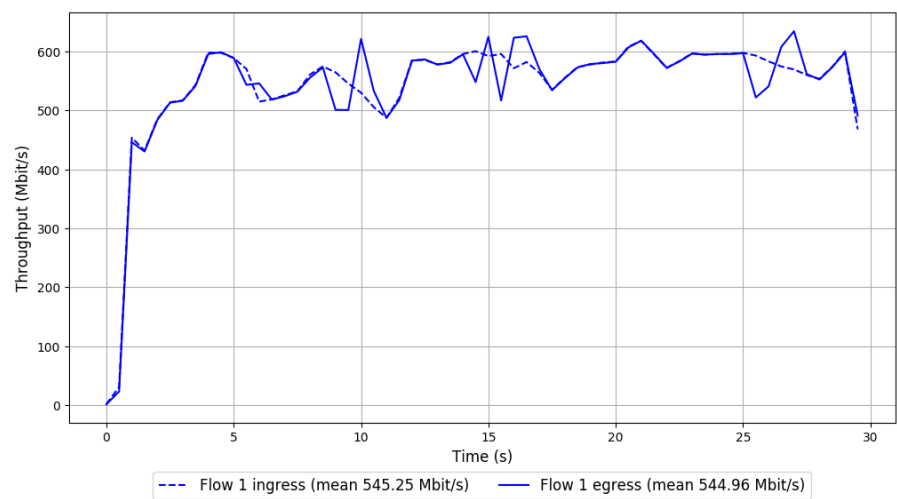


Run 6: Statistics of Vivace-LTE

Start at: 2018-02-16 04:30:19
End at: 2018-02-16 04:30:49
Local clock offset: 0.896 ms
Remote clock offset: -6.343 ms

Below is generated by plot.py at 2018-02-16 10:33:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 544.96 Mbit/s
95th percentile per-packet one-way delay: 105.430 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 544.96 Mbit/s
95th percentile per-packet one-way delay: 105.430 ms
Loss rate: 0.05%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-02-16 04:55:32

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

Local clock offset: 0.89 ms

Remote clock offset: -5.81 ms

Below is generated by plot.py at 2018-02-16 10:33:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 573.89 Mbit/s

95th percentile per-packet one-way delay: 99.862 ms

Loss rate: 0.22%

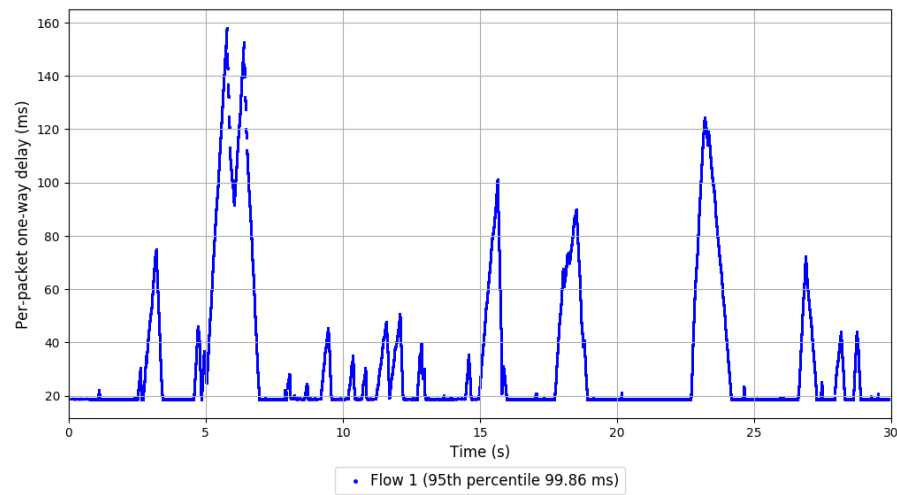
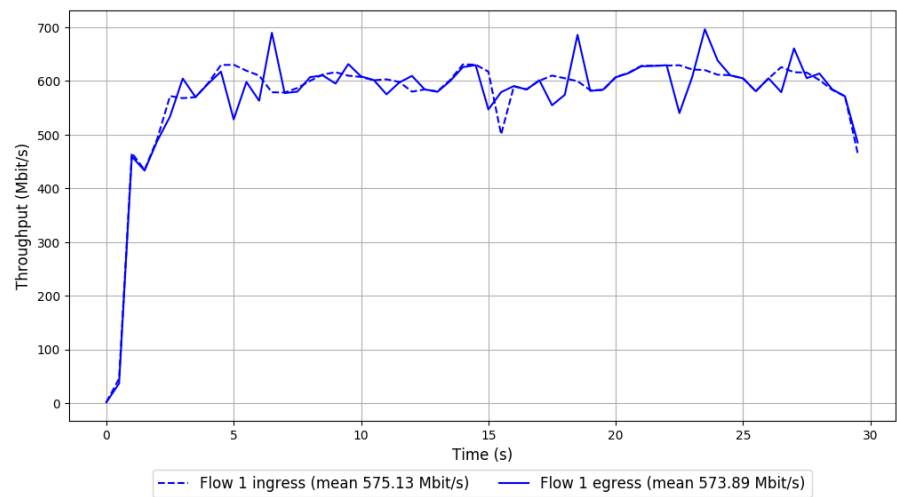
-- Flow 1:

Average throughput: 573.89 Mbit/s

95th percentile per-packet one-way delay: 99.862 ms

Loss rate: 0.22%

Run 7: Report of Vivace-LTE — Data Link

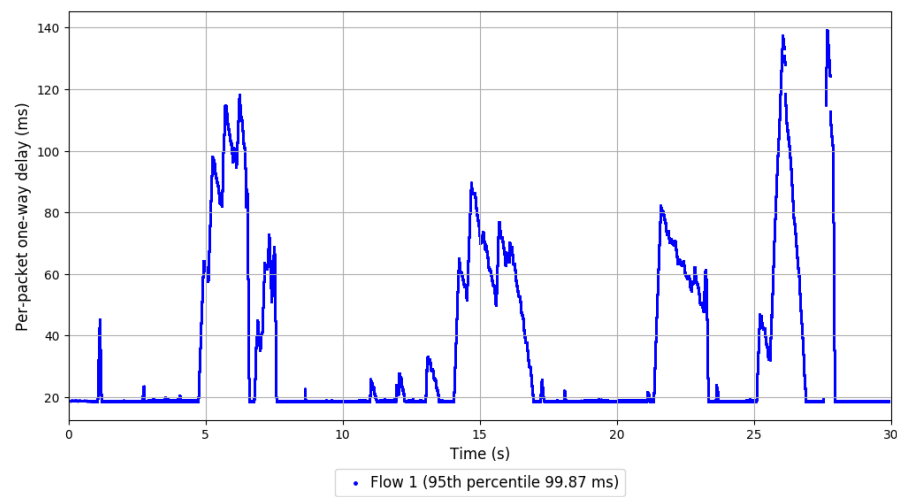
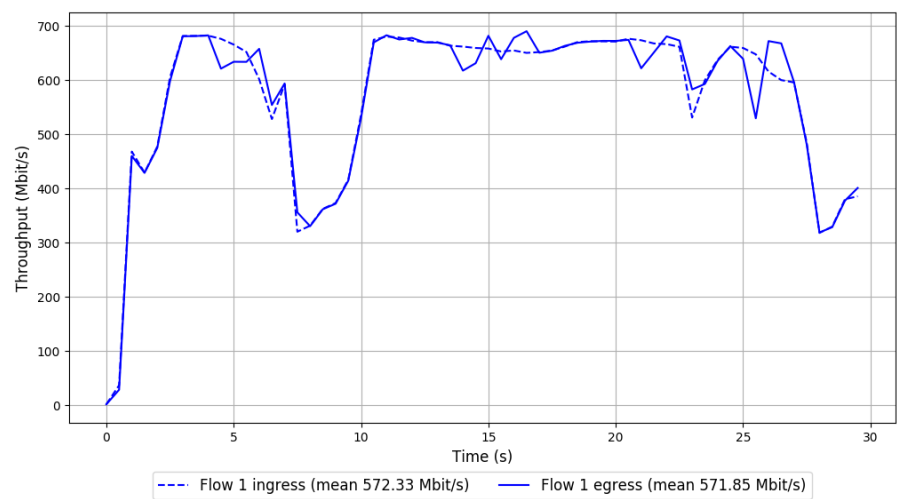


Run 8: Statistics of Vivace-LTE

Start at: 2018-02-16 05:21:19
End at: 2018-02-16 05:21:49
Local clock offset: 1.095 ms
Remote clock offset: -5.211 ms

Below is generated by plot.py at 2018-02-16 10:33:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 571.85 Mbit/s
95th percentile per-packet one-way delay: 99.870 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 571.85 Mbit/s
95th percentile per-packet one-way delay: 99.870 ms
Loss rate: 0.08%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-02-16 05:46:19

End at: 2018-02-16 05:46:49

Local clock offset: 2.155 ms

Remote clock offset: -5.55 ms

Below is generated by plot.py at 2018-02-16 10:33:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 513.27 Mbit/s

95th percentile per-packet one-way delay: 90.625 ms

Loss rate: 0.41%

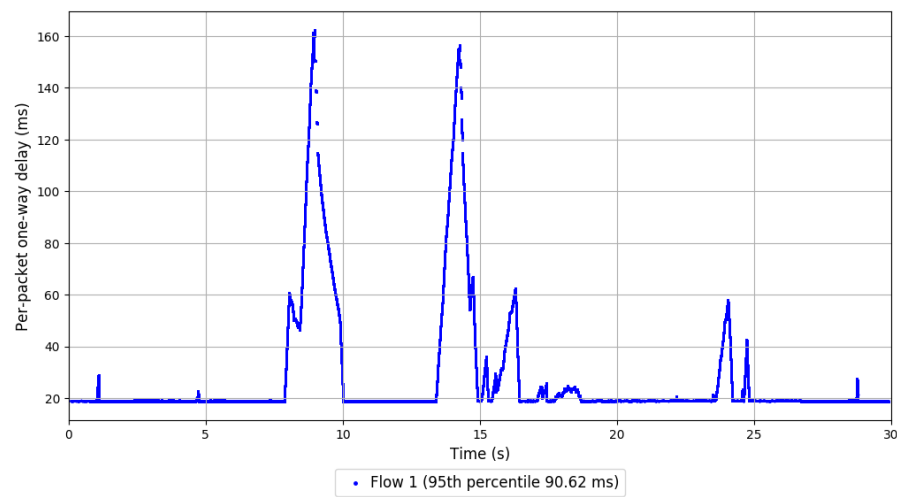
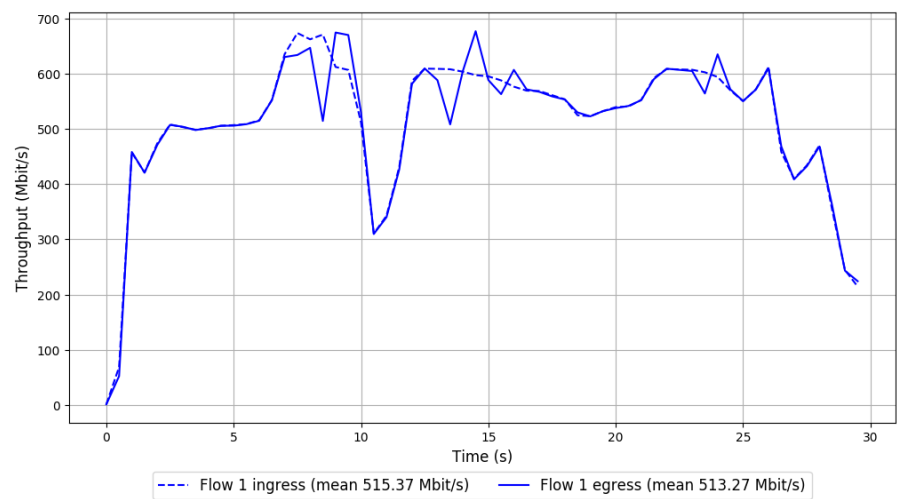
-- Flow 1:

Average throughput: 513.27 Mbit/s

95th percentile per-packet one-way delay: 90.625 ms

Loss rate: 0.41%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-16 06:11:38

End at: 2018-02-16 06:12:08

Local clock offset: 3.101 ms

Remote clock offset: -6.2 ms

Below is generated by plot.py at 2018-02-16 10:33:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 523.44 Mbit/s

95th percentile per-packet one-way delay: 74.668 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 523.44 Mbit/s

95th percentile per-packet one-way delay: 74.668 ms

Loss rate: 0.23%

Run 10: Report of Vivace-LTE — Data Link

