

Pantheon Report

Generated at 2018-04-24 12:02:17 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

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

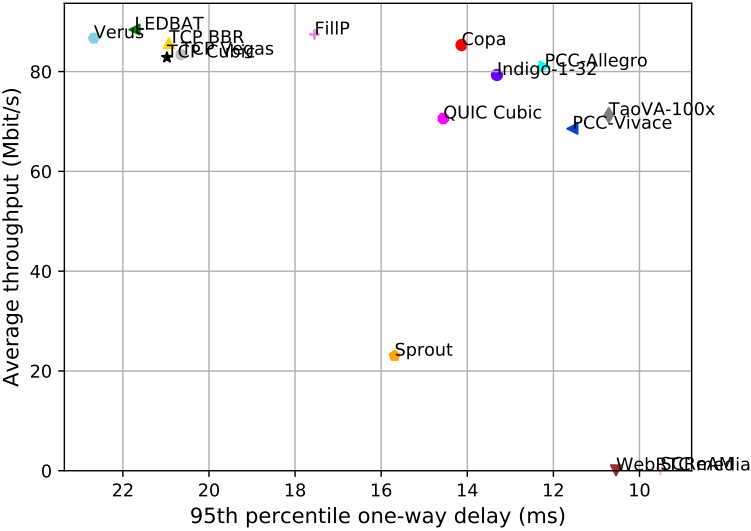
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

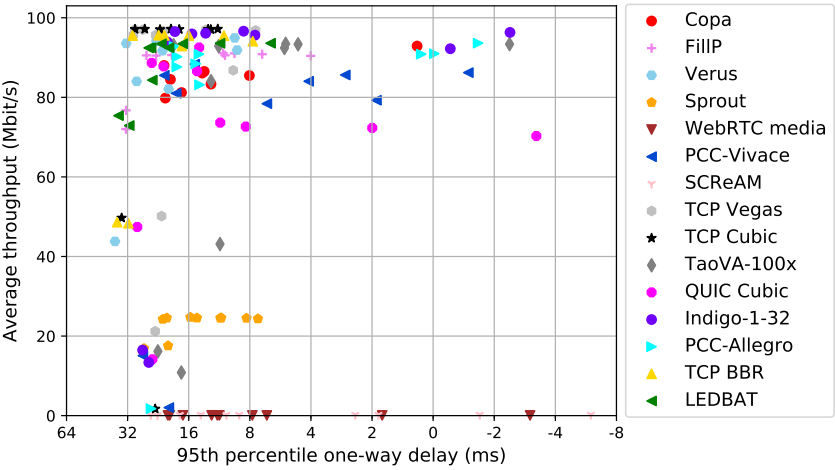
Git summary:

```
branch: master @ 114e807ac1bad7b85168ceb1f8a969063ee6c12c
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 11f8c46a2bf1dc797253db7e8ca04076272b2a44
third_party/genericCC @ d223989828276fa83a807da6e0341dc0c7b89aec
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ f271183af822eee5d0031620f4bebf38aedc5581
```

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



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



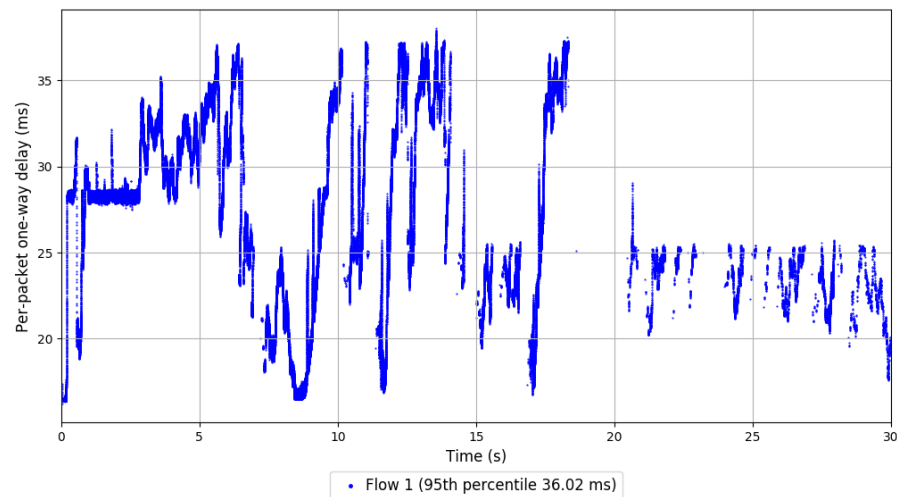
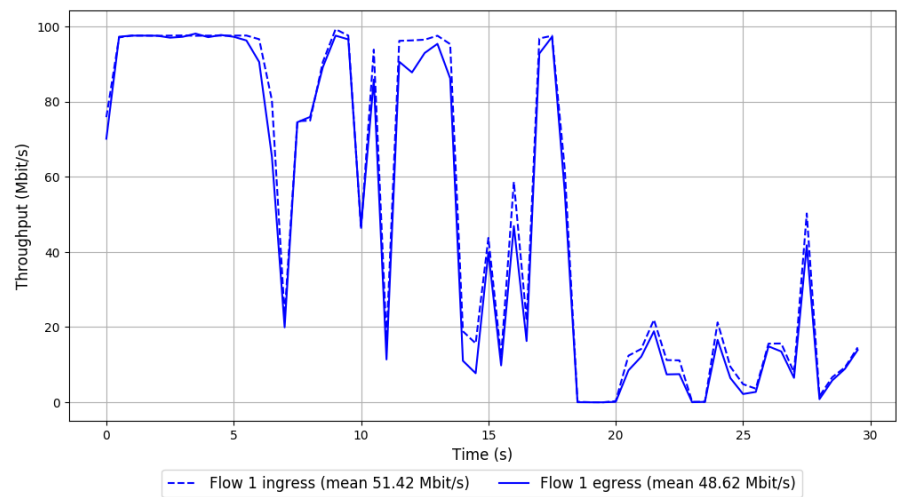
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	85.72	20.93	1.77
TCP Cubic	10	82.83	20.98	1.69
LEDBAT	10	88.41	21.73	0.18
PCC-Allegro	10	81.02	12.20	2.04
QUIC Cubic	10	70.60	14.56	0.85
SCReAM	10	0.19	9.52	1.93
WebRTC media	10	0.07	10.54	0.47
Sprout	10	23.05	15.69	1.40
TaoVA-100x	10	71.27	10.71	0.97
TCP Vegas	10	83.39	20.65	0.22
Verus	10	86.70	22.67	2.35
Copa	9	85.31	14.13	0.10
FillP	10	87.44	17.55	3.24
Indigo-1-32	10	79.32	13.31	1.89
PCC-Vivace	10	68.55	11.56	1.33
PCC-Expr	0	N/A	N/A	N/A

Run 1: Statistics of TCP BBR

Start at: 2018-04-24 05:19:48
End at: 2018-04-24 05:20:18
Local clock offset: -15.552 ms
Remote clock offset: -10.7 ms

Below is generated by plot.py at 2018-04-24 11:41:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 48.62 Mbit/s
95th percentile per-packet one-way delay: 36.024 ms
Loss rate: 5.52%
-- Flow 1:
Average throughput: 48.62 Mbit/s
95th percentile per-packet one-way delay: 36.024 ms
Loss rate: 5.52%

Run 1: Report of TCP BBR — Data Link

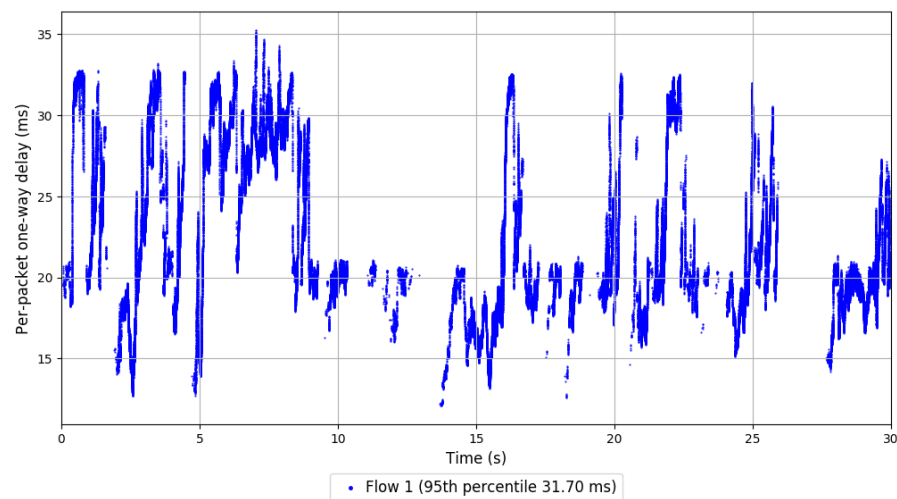
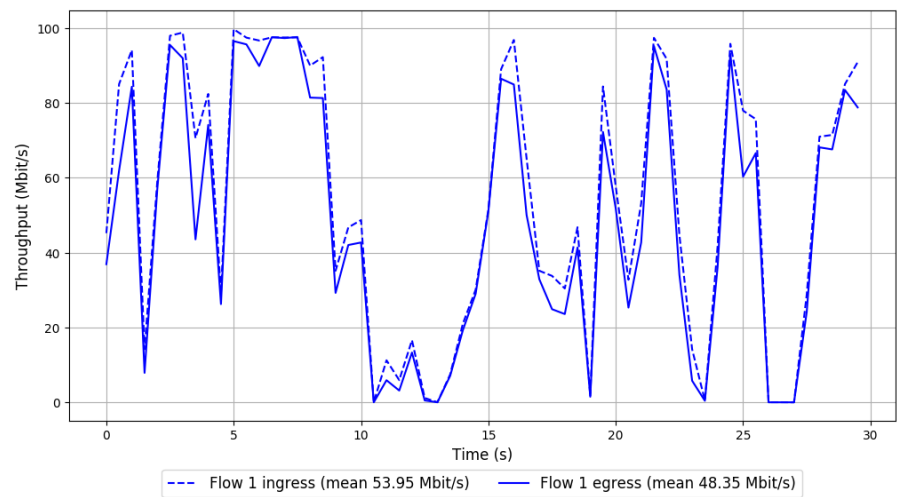


Run 2: Statistics of TCP BBR

Start at: 2018-04-24 05:39:35
End at: 2018-04-24 05:40:05
Local clock offset: -18.816 ms
Remote clock offset: -6.008 ms

Below is generated by plot.py at 2018-04-24 11:41:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 48.35 Mbit/s
95th percentile per-packet one-way delay: 31.704 ms
Loss rate: 10.49%
-- Flow 1:
Average throughput: 48.35 Mbit/s
95th percentile per-packet one-way delay: 31.704 ms
Loss rate: 10.49%

Run 2: Report of TCP BBR — Data Link

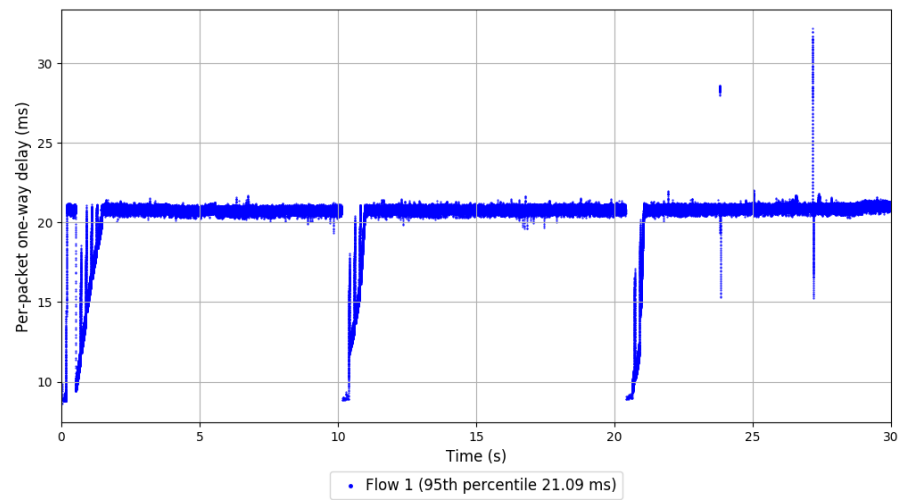
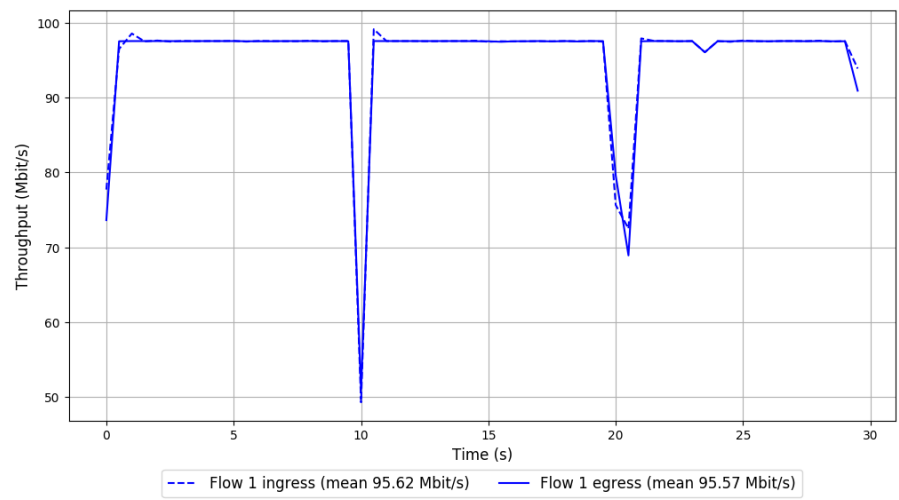


Run 3: Statistics of TCP BBR

Start at: 2018-04-24 05:59:31
End at: 2018-04-24 06:00:01
Local clock offset: -15.361 ms
Remote clock offset: 0.492 ms

Below is generated by plot.py at 2018-04-24 11:42:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.57 Mbit/s
95th percentile per-packet one-way delay: 21.088 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 95.57 Mbit/s
95th percentile per-packet one-way delay: 21.088 ms
Loss rate: 0.12%

Run 3: Report of TCP BBR — Data Link

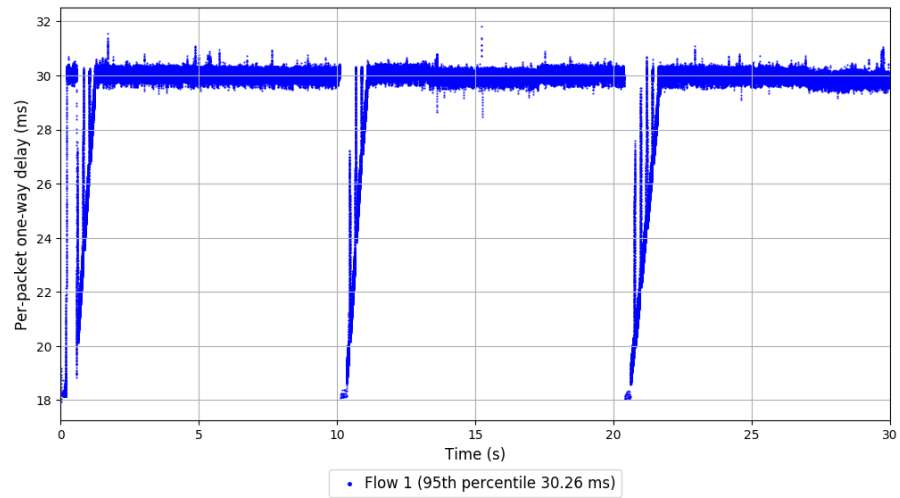
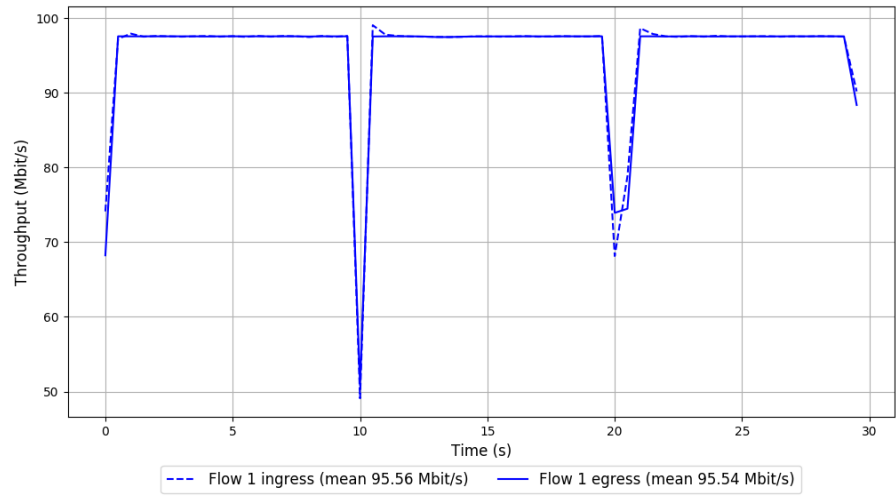


Run 4: Statistics of TCP BBR

Start at: 2018-04-24 06:19:21
End at: 2018-04-24 06:19:51
Local clock offset: -16.097 ms
Remote clock offset: -9.853 ms

Below is generated by plot.py at 2018-04-24 11:42:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.54 Mbit/s
95th percentile per-packet one-way delay: 30.263 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 95.54 Mbit/s
95th percentile per-packet one-way delay: 30.263 ms
Loss rate: 0.13%

Run 4: Report of TCP BBR — Data Link

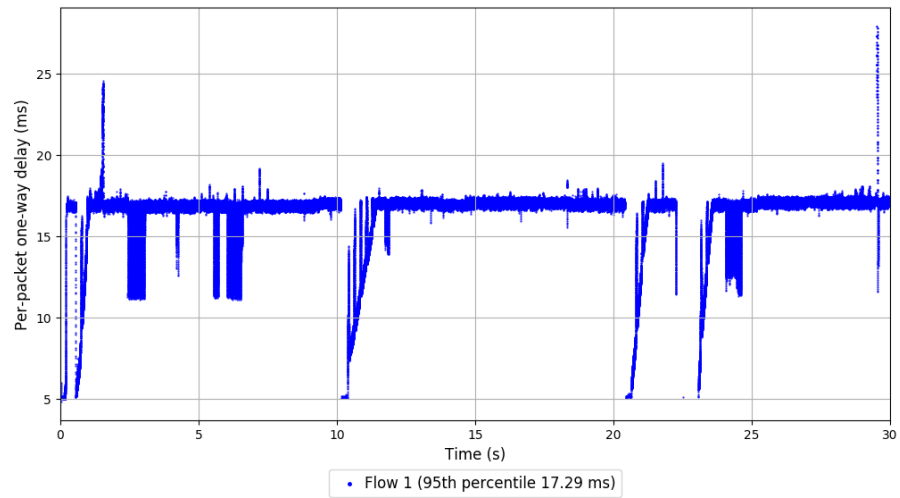
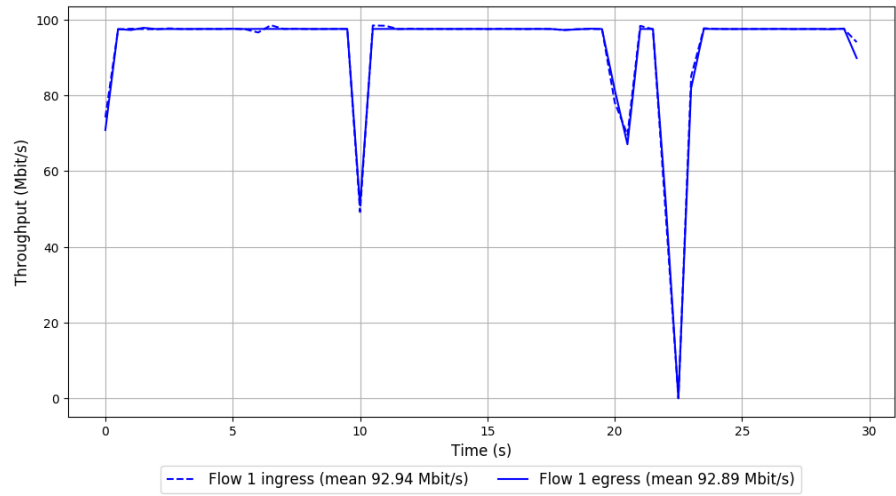


Run 5: Statistics of TCP BBR

Start at: 2018-04-24 06:39:02
End at: 2018-04-24 06:39:32
Local clock offset: -17.061 ms
Remote clock offset: 2.27 ms

Below is generated by plot.py at 2018-04-24 11:42:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.89 Mbit/s
95th percentile per-packet one-way delay: 17.287 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 92.89 Mbit/s
95th percentile per-packet one-way delay: 17.287 ms
Loss rate: 0.14%

Run 5: Report of TCP BBR — Data Link

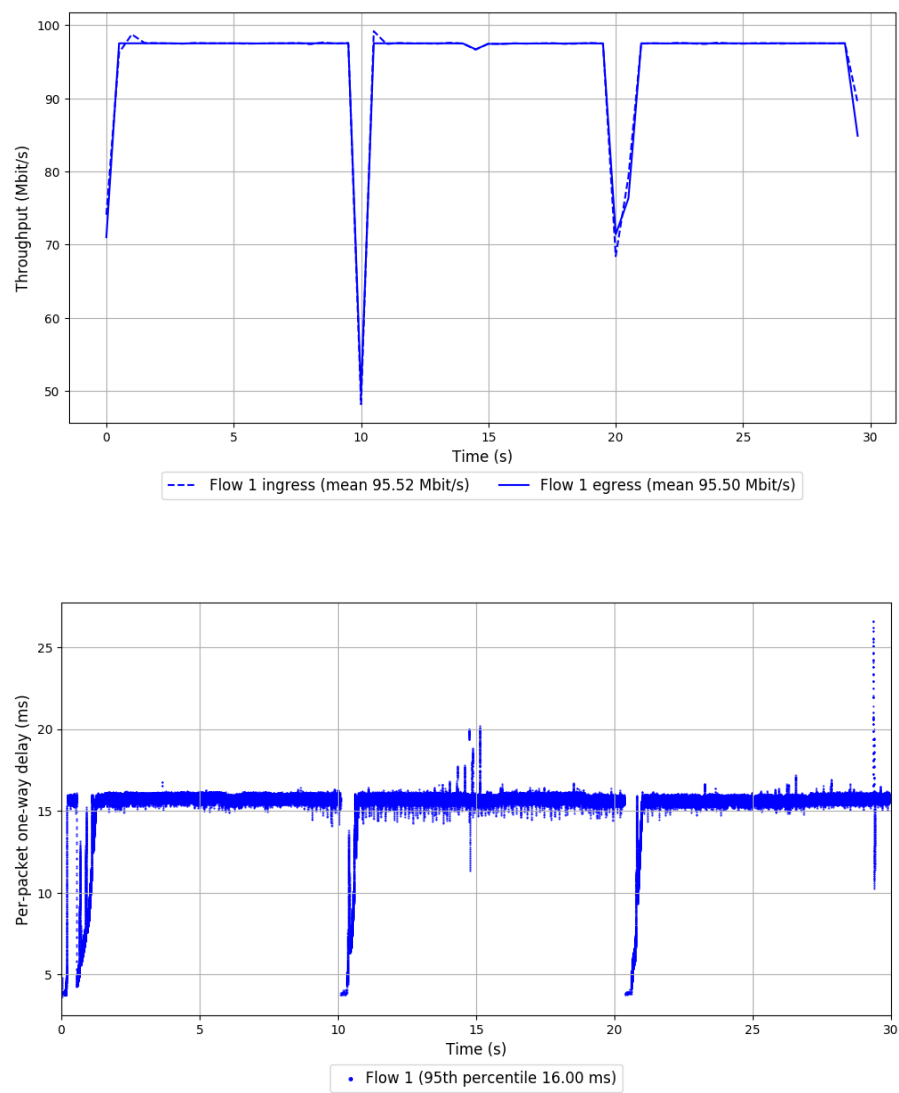


Run 6: Statistics of TCP BBR

Start at: 2018-04-24 06:59:10
End at: 2018-04-24 06:59:40
Local clock offset: -11.421 ms
Remote clock offset: 6.454 ms

Below is generated by plot.py at 2018-04-24 11:42:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.50 Mbit/s
95th percentile per-packet one-way delay: 16.002 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 95.50 Mbit/s
95th percentile per-packet one-way delay: 16.002 ms
Loss rate: 0.13%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-04-24 07:18:47

End at: 2018-04-24 07:19:17

Local clock offset: -14.41 ms

Remote clock offset: 10.39 ms

Below is generated by plot.py at 2018-04-24 11:42:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.10 Mbit/s

95th percentile per-packet one-way delay: 7.736 ms

Loss rate: 0.80%

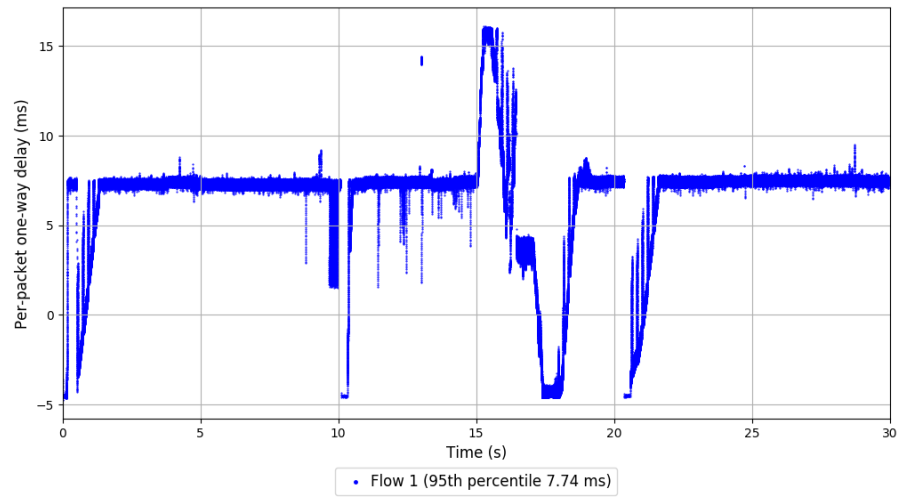
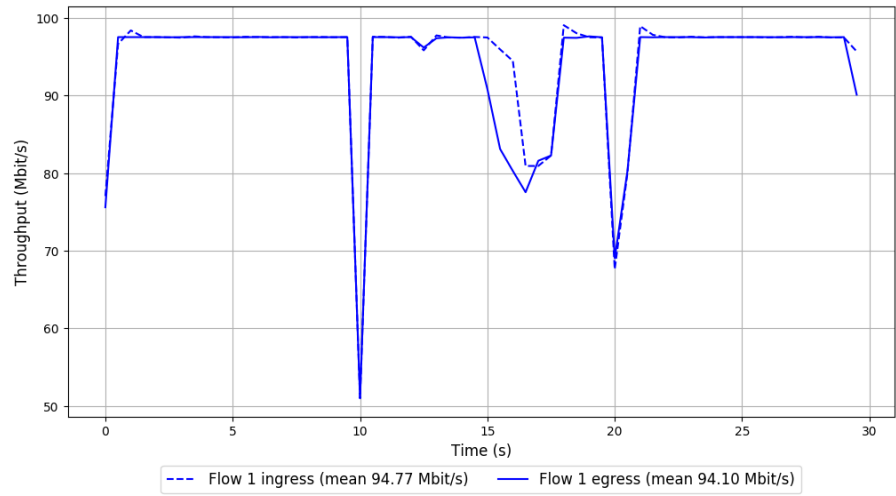
-- Flow 1:

Average throughput: 94.10 Mbit/s

95th percentile per-packet one-way delay: 7.736 ms

Loss rate: 0.80%

Run 7: Report of TCP BBR — Data Link

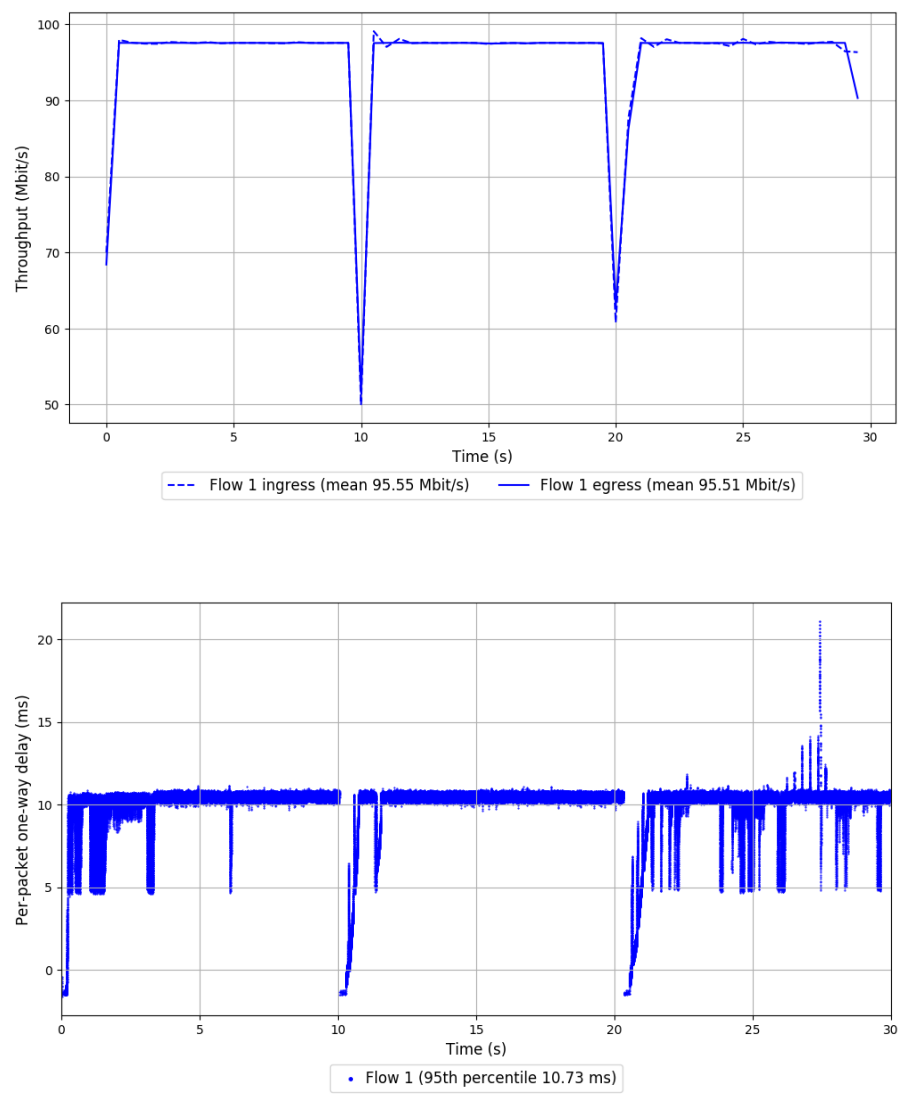


Run 8: Statistics of TCP BBR

Start at: 2018-04-24 07:38:25
End at: 2018-04-24 07:38:55
Local clock offset: -14.569 ms
Remote clock offset: 4.699 ms

Below is generated by plot.py at 2018-04-24 11:42:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.51 Mbit/s
95th percentile per-packet one-way delay: 10.733 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 95.51 Mbit/s
95th percentile per-packet one-way delay: 10.733 ms
Loss rate: 0.12%

Run 8: Report of TCP BBR — Data Link

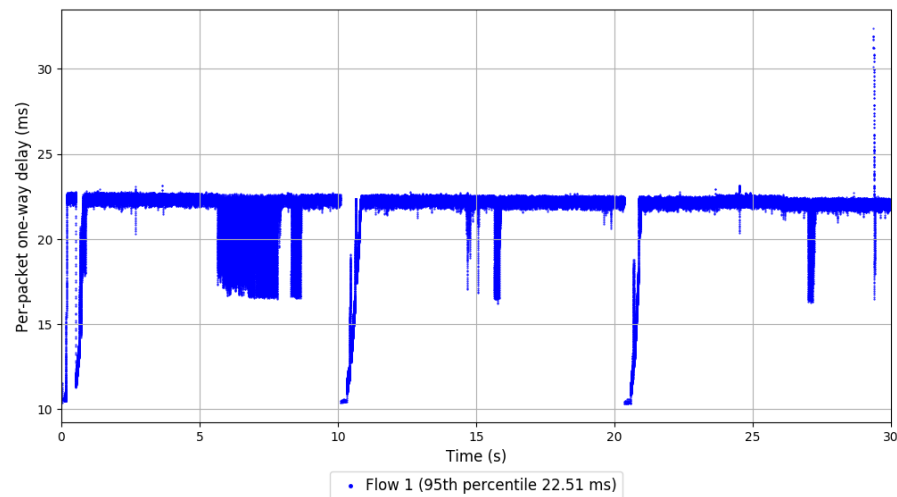
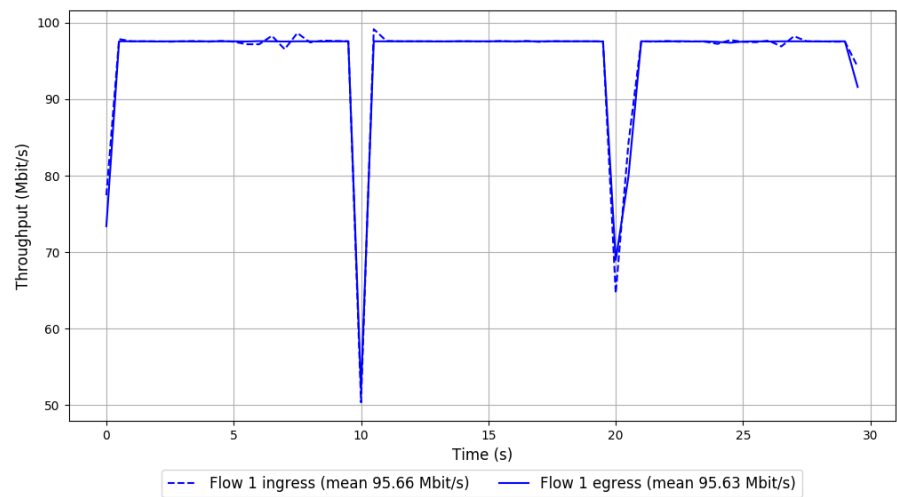


Run 9: Statistics of TCP BBR

Start at: 2018-04-24 07:57:46
End at: 2018-04-24 07:58:16
Local clock offset: -12.264 ms
Remote clock offset: -8.028 ms

Below is generated by plot.py at 2018-04-24 11:42:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.63 Mbit/s
95th percentile per-packet one-way delay: 22.511 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 95.63 Mbit/s
95th percentile per-packet one-way delay: 22.511 ms
Loss rate: 0.12%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-04-24 08:17:29

End at: 2018-04-24 08:17:59

Local clock offset: -7.971 ms

Remote clock offset: 0.36 ms

Below is generated by plot.py at 2018-04-24 11:42:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.53 Mbit/s

95th percentile per-packet one-way delay: 15.961 ms

Loss rate: 0.13%

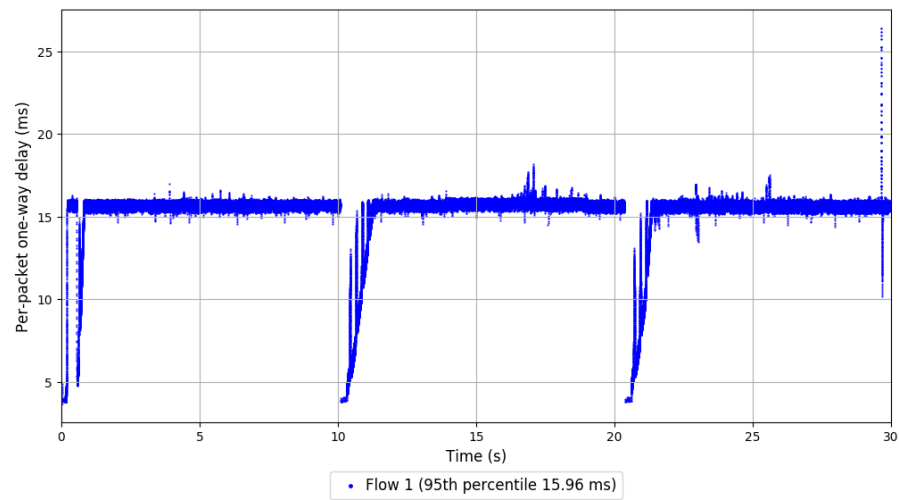
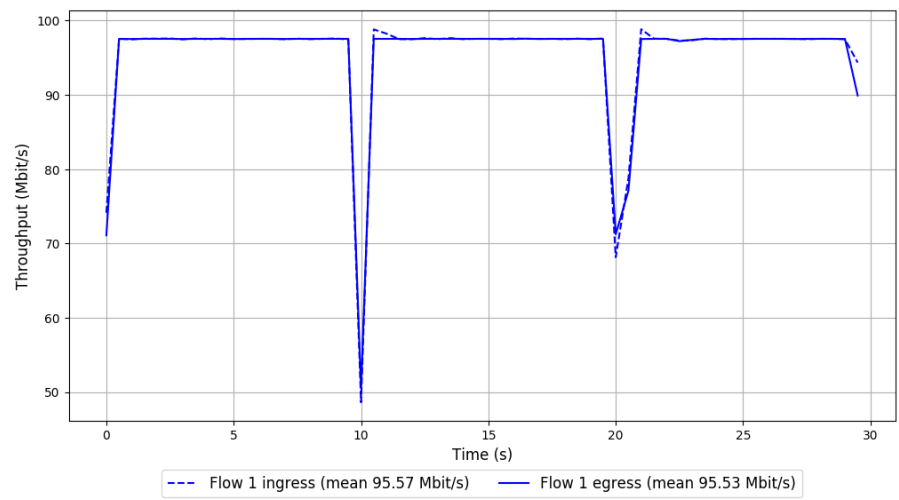
-- Flow 1:

Average throughput: 95.53 Mbit/s

95th percentile per-packet one-way delay: 15.961 ms

Loss rate: 0.13%

Run 10: Report of TCP BBR — Data Link

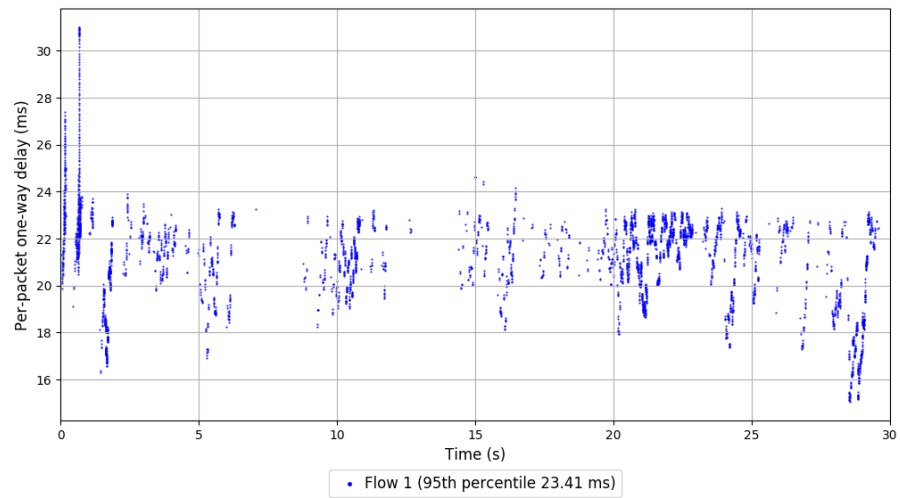
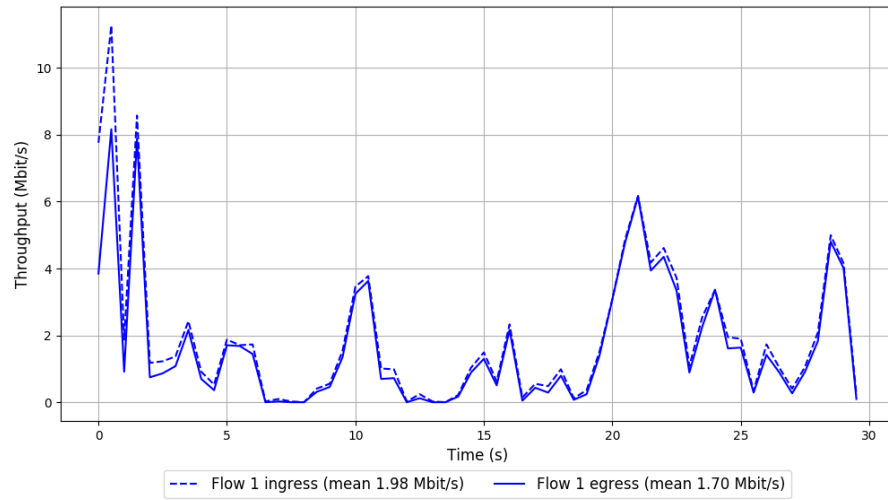


Run 1: Statistics of TCP Cubic

Start at: 2018-04-24 05:22:10
End at: 2018-04-24 05:22:40
Local clock offset: -15.241 ms
Remote clock offset: -9.487 ms

Below is generated by plot.py at 2018-04-24 11:42:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.70 Mbit/s
95th percentile per-packet one-way delay: 23.406 ms
Loss rate: 14.97%
-- Flow 1:
Average throughput: 1.70 Mbit/s
95th percentile per-packet one-way delay: 23.406 ms
Loss rate: 14.97%

Run 1: Report of TCP Cubic — Data Link

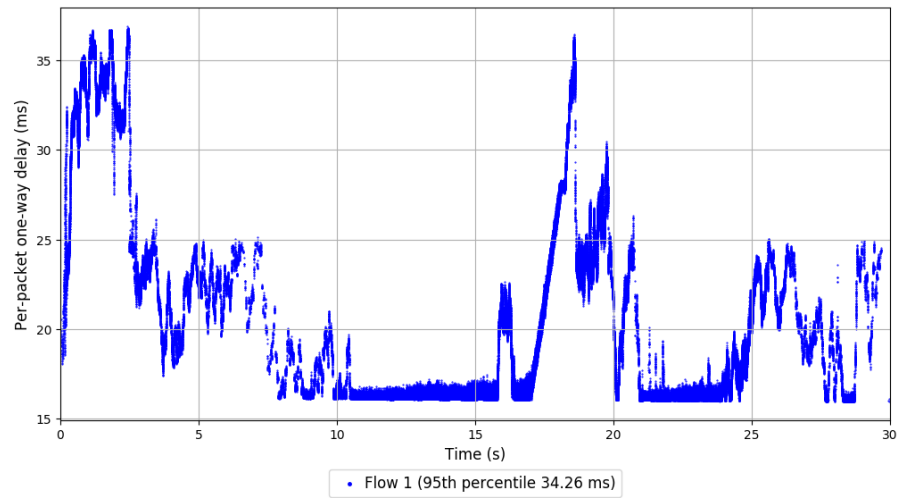
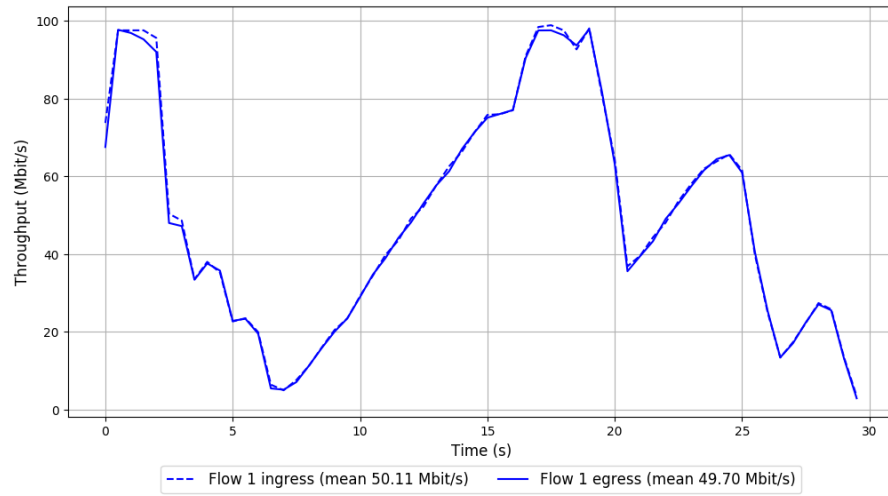


Run 2: Statistics of TCP Cubic

Start at: 2018-04-24 05:42:06
End at: 2018-04-24 05:42:36
Local clock offset: -16.192 ms
Remote clock offset: -9.125 ms

Below is generated by plot.py at 2018-04-24 11:42:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 49.70 Mbit/s
95th percentile per-packet one-way delay: 34.258 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 49.70 Mbit/s
95th percentile per-packet one-way delay: 34.258 ms
Loss rate: 0.92%

Run 2: Report of TCP Cubic — Data Link

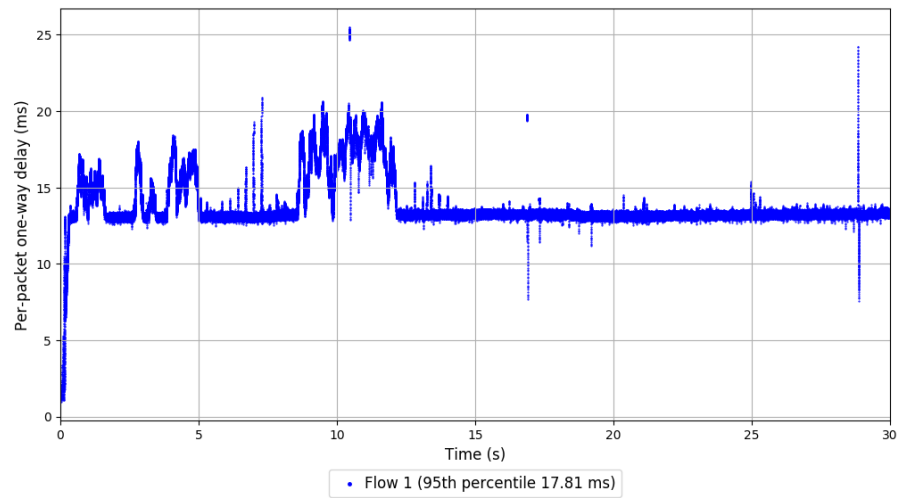
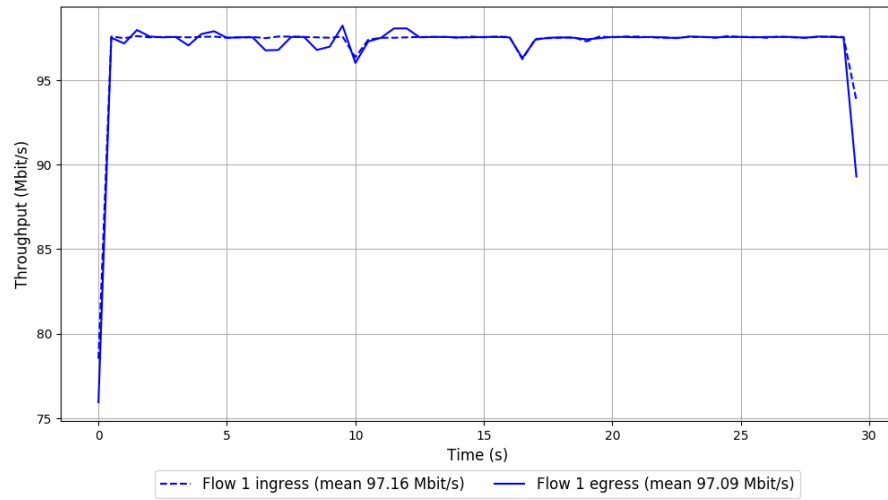


Run 3: Statistics of TCP Cubic

Start at: 2018-04-24 06:01:47
End at: 2018-04-24 06:02:17
Local clock offset: -17.138 ms
Remote clock offset: 7.405 ms

Below is generated by plot.py at 2018-04-24 11:43:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 17.812 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 17.812 ms
Loss rate: 0.15%

Run 3: Report of TCP Cubic — Data Link

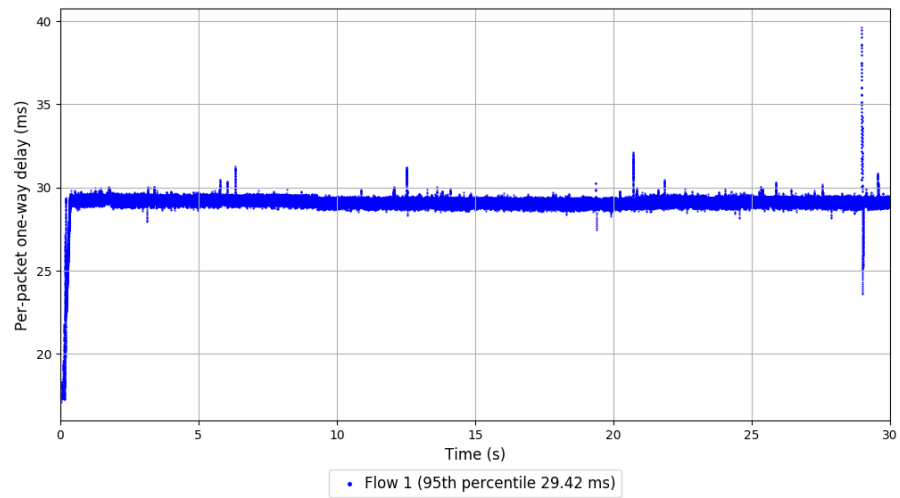
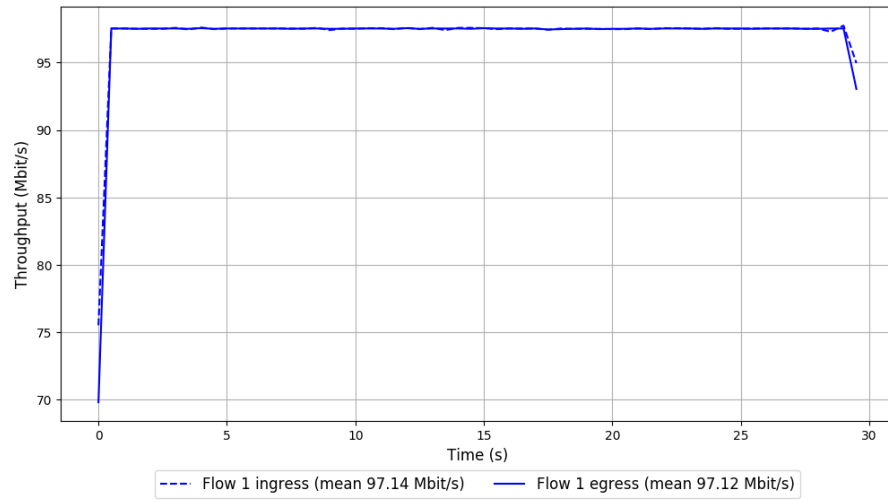


Run 4: Statistics of TCP Cubic

Start at: 2018-04-24 06:21:37
End at: 2018-04-24 06:22:07
Local clock offset: -16.161 ms
Remote clock offset: -9.85 ms

Below is generated by plot.py at 2018-04-24 11:43:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 29.424 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 29.424 ms
Loss rate: 0.13%

Run 4: Report of TCP Cubic — Data Link

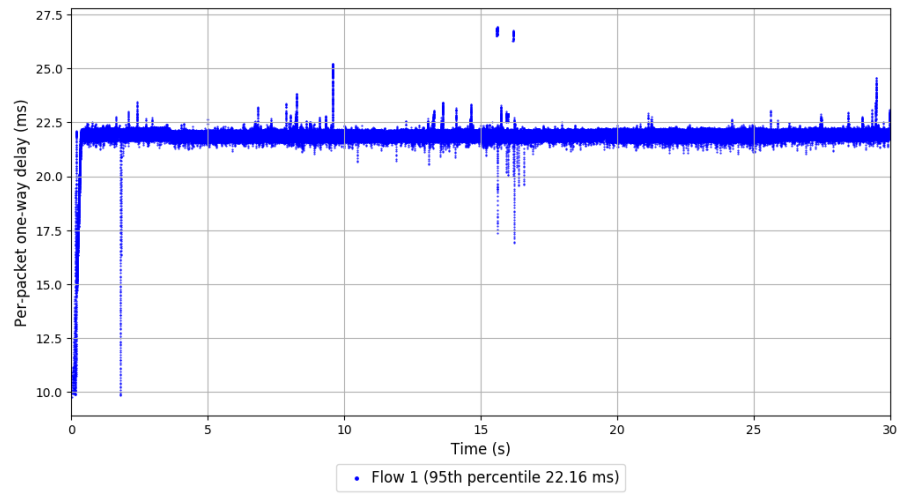
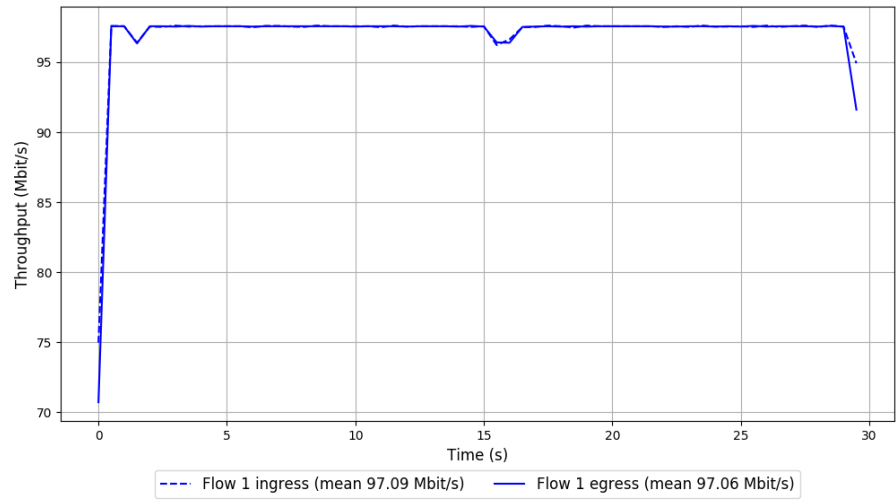


Run 5: Statistics of TCP Cubic

Start at: 2018-04-24 06:41:18
End at: 2018-04-24 06:41:49
Local clock offset: -18.808 ms
Remote clock offset: -3.862 ms

Below is generated by plot.py at 2018-04-24 11:43:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.06 Mbit/s
95th percentile per-packet one-way delay: 22.156 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 97.06 Mbit/s
95th percentile per-packet one-way delay: 22.156 ms
Loss rate: 0.13%

Run 5: Report of TCP Cubic — Data Link

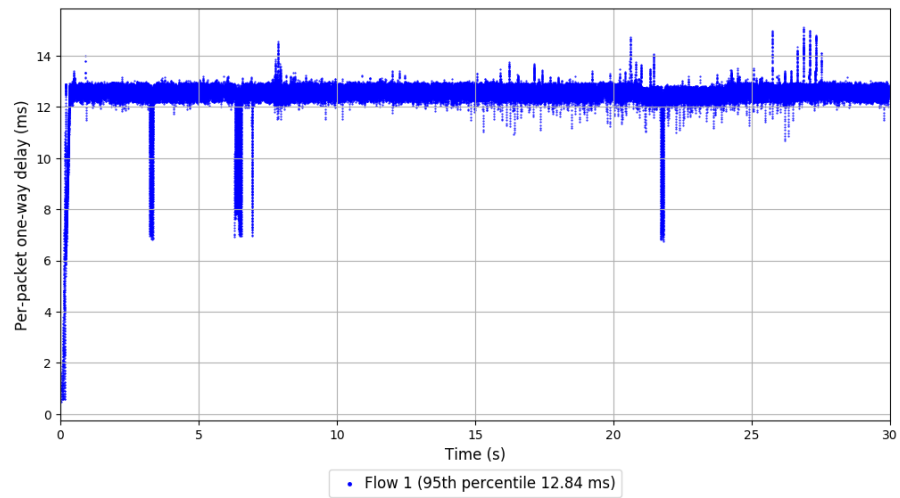
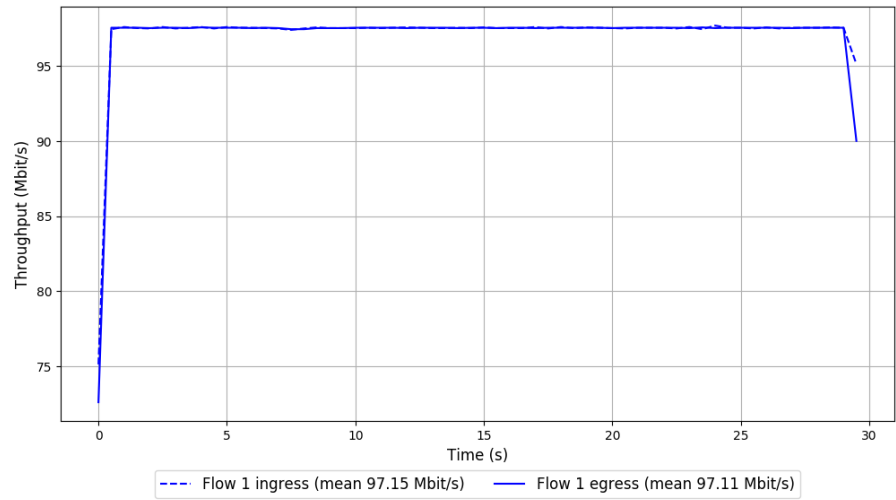


Run 6: Statistics of TCP Cubic

Start at: 2018-04-24 07:01:26
End at: 2018-04-24 07:01:56
Local clock offset: -11.487 ms
Remote clock offset: 9.483 ms

Below is generated by plot.py at 2018-04-24 11:43:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 12.839 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 12.839 ms
Loss rate: 0.13%

Run 6: Report of TCP Cubic — Data Link

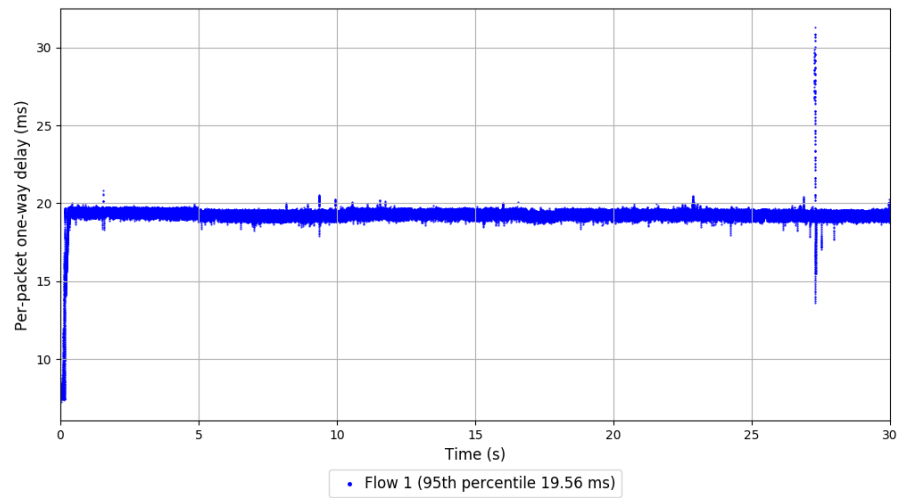
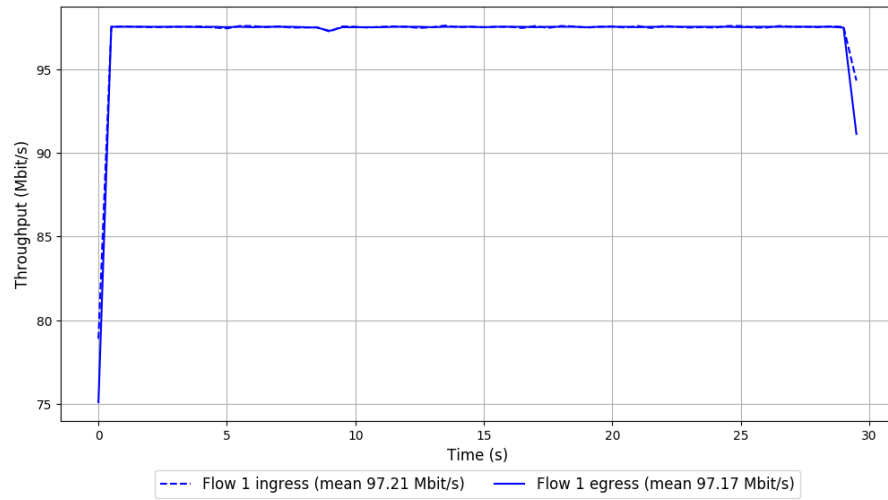


Run 7: Statistics of TCP Cubic

Start at: 2018-04-24 07:21:03
End at: 2018-04-24 07:21:33
Local clock offset: -12.111 ms
Remote clock offset: 0.291 ms

Below is generated by plot.py at 2018-04-24 11:43:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 19.559 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 19.559 ms
Loss rate: 0.12%

Run 7: Report of TCP Cubic — Data Link

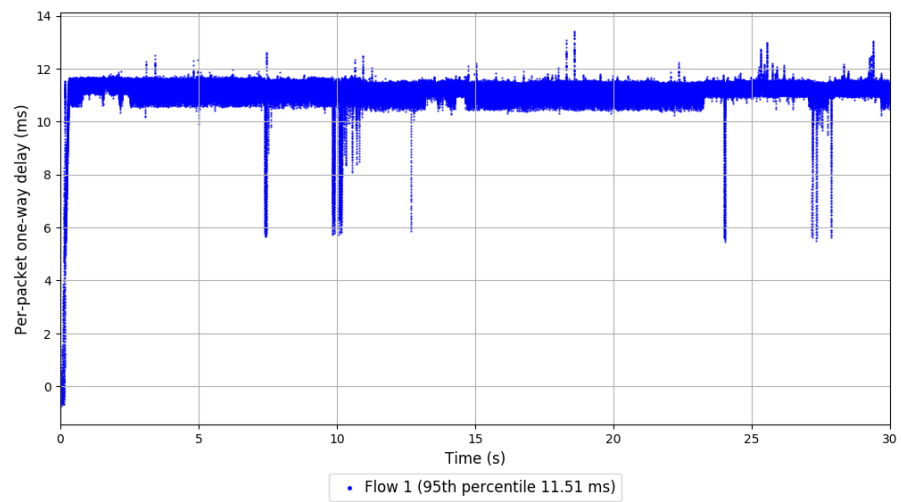
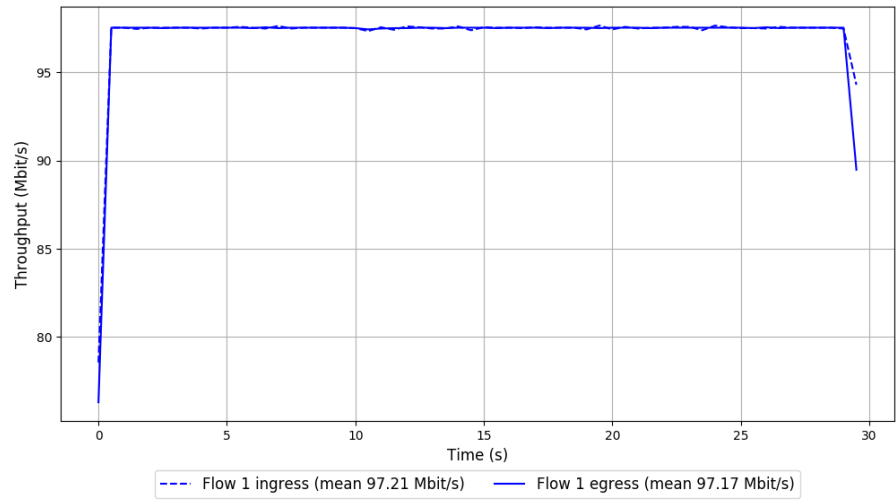


Run 8: Statistics of TCP Cubic

Start at: 2018-04-24 07:40:40
End at: 2018-04-24 07:41:10
Local clock offset: -11.371 ms
Remote clock offset: 7.115 ms

Below is generated by plot.py at 2018-04-24 11:44:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 11.514 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 11.514 ms
Loss rate: 0.12%

Run 8: Report of TCP Cubic — Data Link

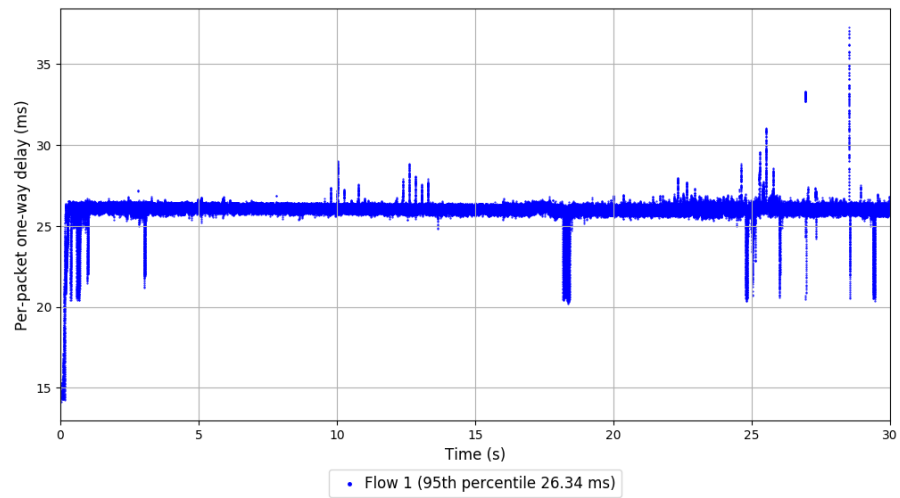
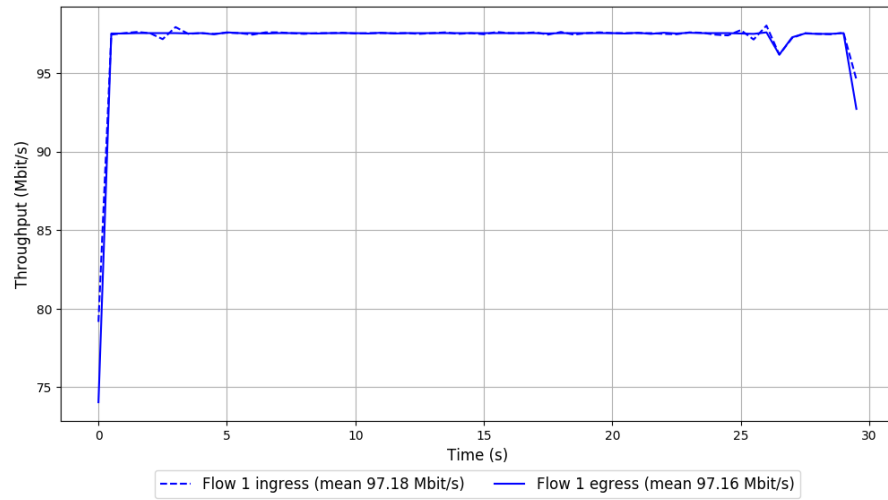


Run 9: Statistics of TCP Cubic

Start at: 2018-04-24 08:00:00
End at: 2018-04-24 08:00:30
Local clock offset: -6.707 ms
Remote clock offset: -7.549 ms

Below is generated by plot.py at 2018-04-24 11:44:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 26.342 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 26.342 ms
Loss rate: 0.12%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-04-24 08:19:45

End at: 2018-04-24 08:20:15

Local clock offset: -7.742 ms

Remote clock offset: 3.975 ms

Below is generated by plot.py at 2018-04-24 11:44:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.07 Mbit/s

95th percentile per-packet one-way delay: 12.456 ms

Loss rate: 0.13%

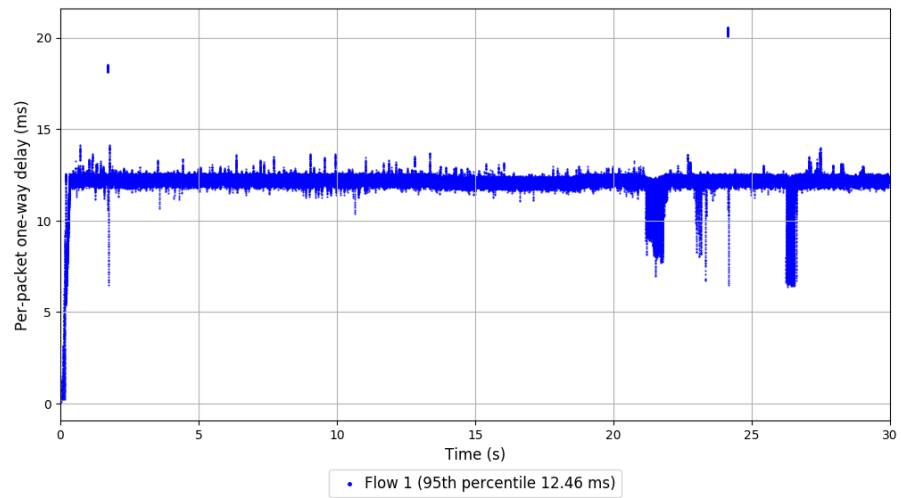
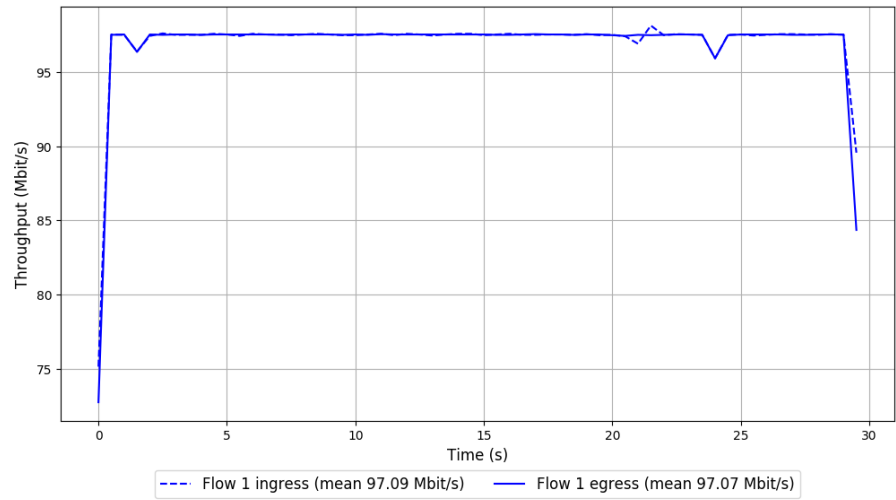
-- Flow 1:

Average throughput: 97.07 Mbit/s

95th percentile per-packet one-way delay: 12.456 ms

Loss rate: 0.13%

Run 10: Report of TCP Cubic — Data Link

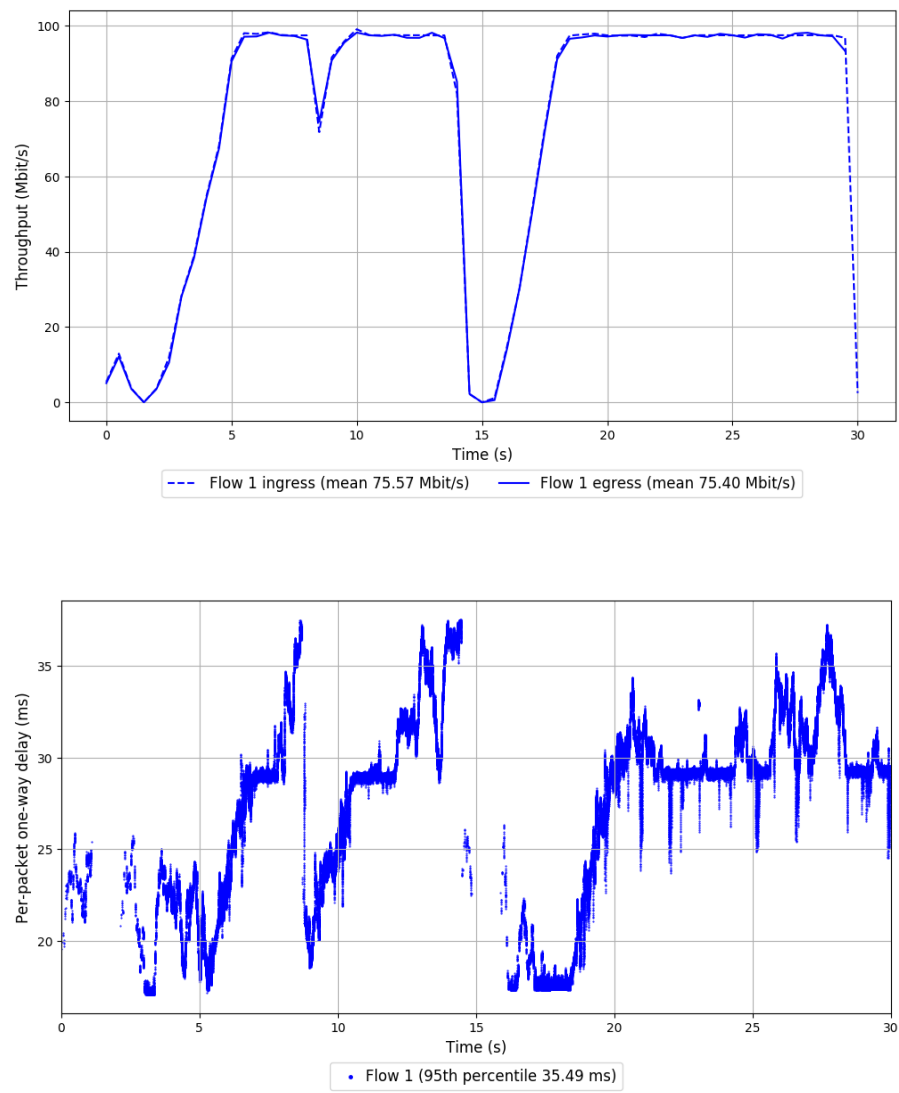


Run 1: Statistics of LEDBAT

Start at: 2018-04-24 05:17:27
End at: 2018-04-24 05:17:57
Local clock offset: -12.941 ms
Remote clock offset: -11.302 ms

Below is generated by plot.py at 2018-04-24 11:44:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.40 Mbit/s
95th percentile per-packet one-way delay: 35.491 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 75.40 Mbit/s
95th percentile per-packet one-way delay: 35.491 ms
Loss rate: 0.40%

Run 1: Report of LEDBAT — Data Link

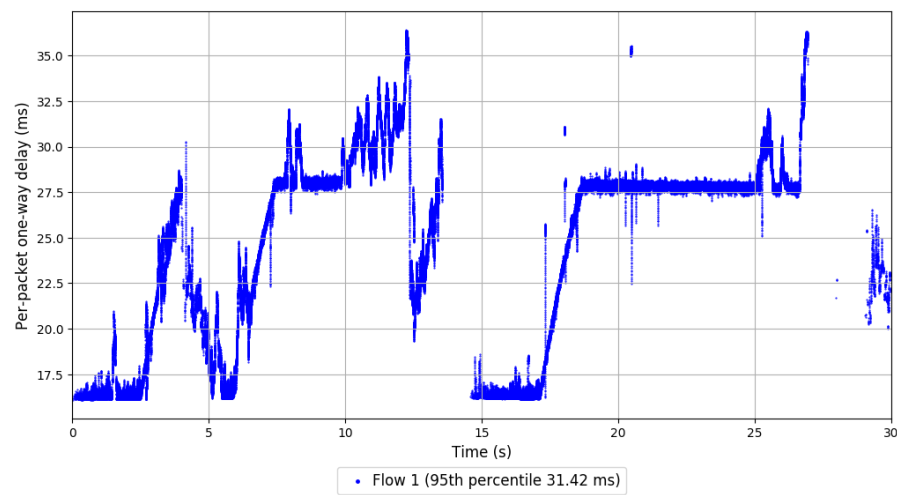
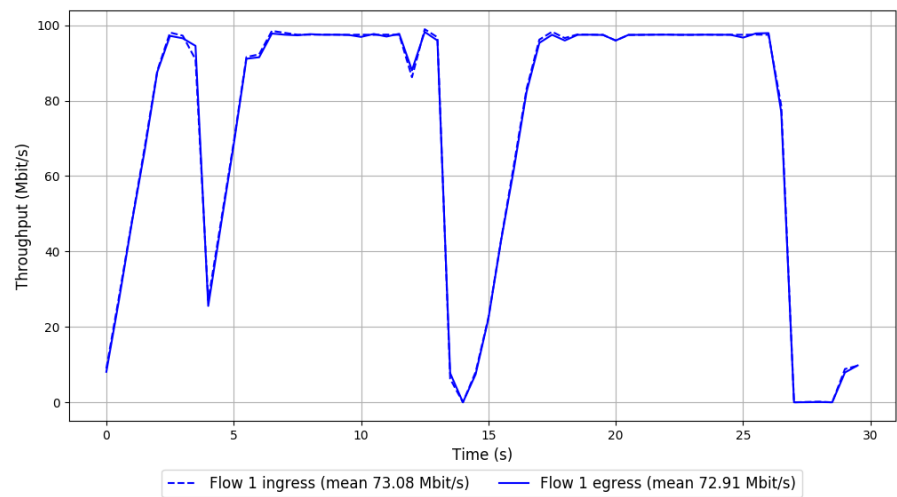


Run 2: Statistics of LEDBAT

Start at: 2018-04-24 05:37:13
End at: 2018-04-24 05:37:43
Local clock offset: -20.869 ms
Remote clock offset: -9.627 ms

Below is generated by plot.py at 2018-04-24 11:44:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.91 Mbit/s
95th percentile per-packet one-way delay: 31.416 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 72.91 Mbit/s
95th percentile per-packet one-way delay: 31.416 ms
Loss rate: 0.31%

Run 2: Report of LEDBAT — Data Link

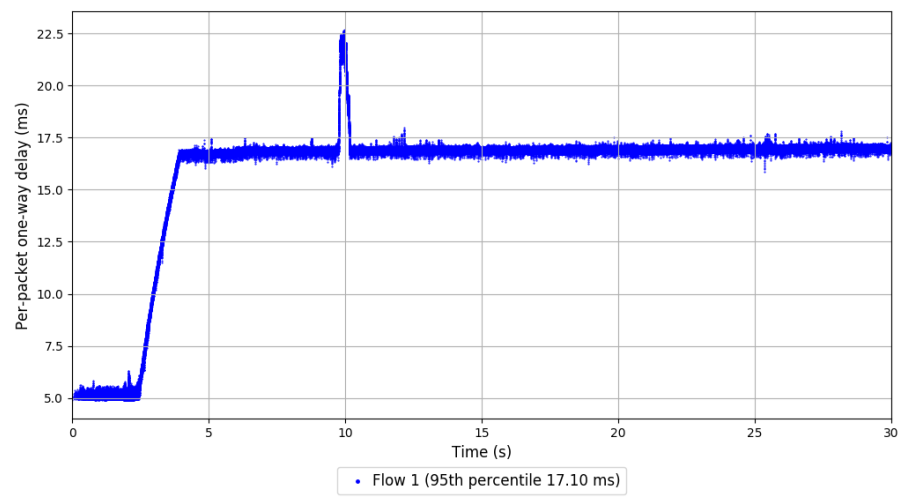
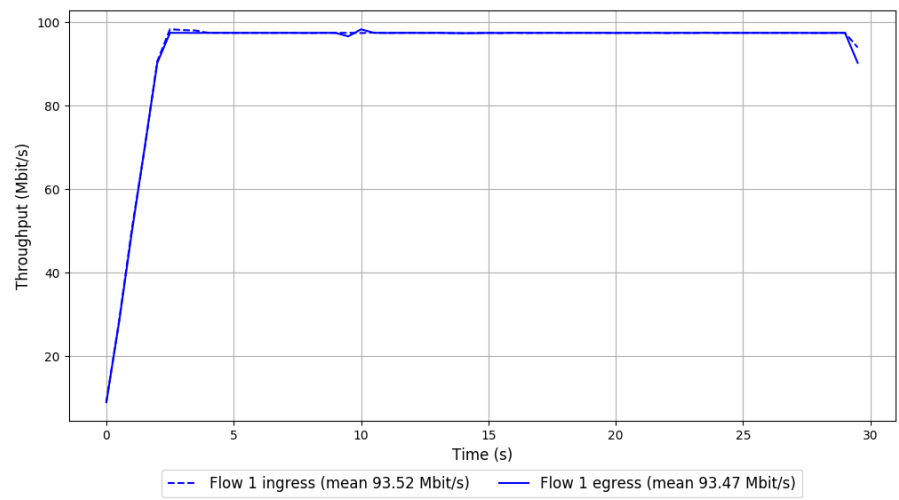


Run 3: Statistics of LEDBAT

Start at: 2018-04-24 05:57:14
End at: 2018-04-24 05:57:44
Local clock offset: -14.989 ms
Remote clock offset: 3.834 ms

Below is generated by plot.py at 2018-04-24 11:44:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.47 Mbit/s
95th percentile per-packet one-way delay: 17.101 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 93.47 Mbit/s
95th percentile per-packet one-way delay: 17.101 ms
Loss rate: 0.12%

Run 3: Report of LEDBAT — Data Link

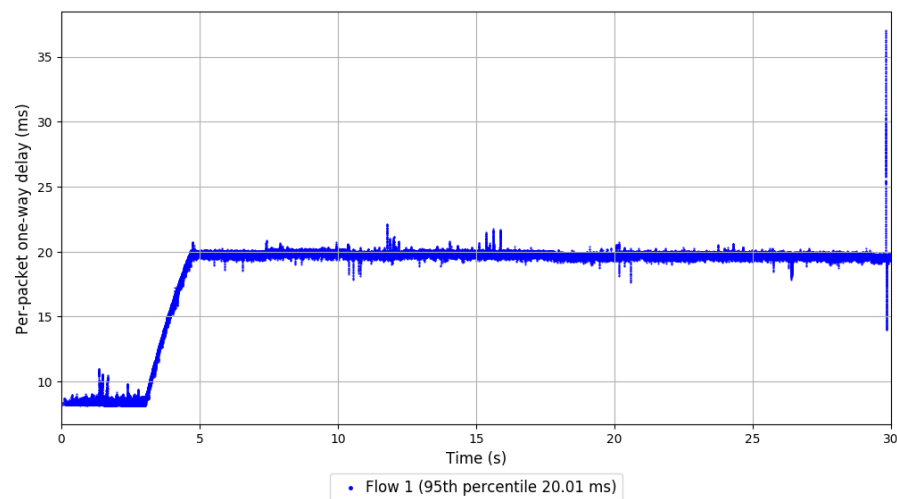
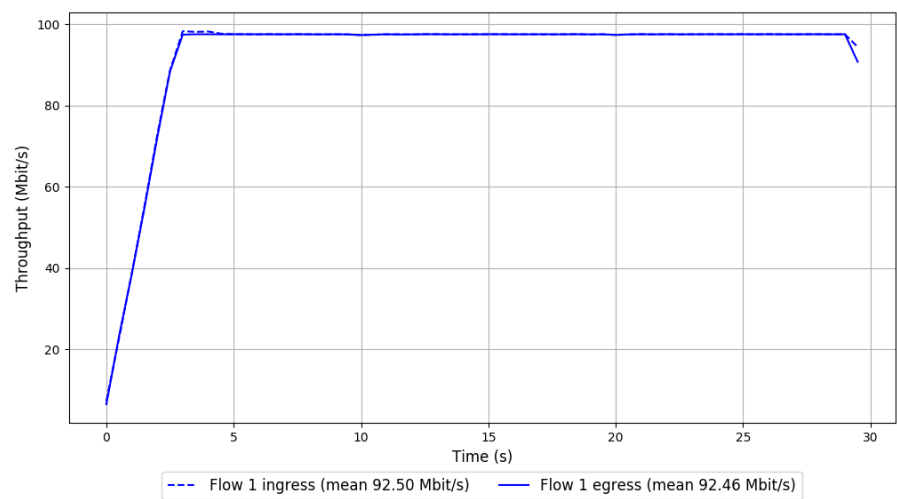


Run 4: Statistics of LEDBAT

Start at: 2018-04-24 06:17:04
End at: 2018-04-24 06:17:34
Local clock offset: -16.506 ms
Remote clock offset: 1.014 ms

Below is generated by plot.py at 2018-04-24 11:44:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.46 Mbit/s
95th percentile per-packet one-way delay: 20.006 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 92.46 Mbit/s
95th percentile per-packet one-way delay: 20.006 ms
Loss rate: 0.13%

Run 4: Report of LEDBAT — Data Link

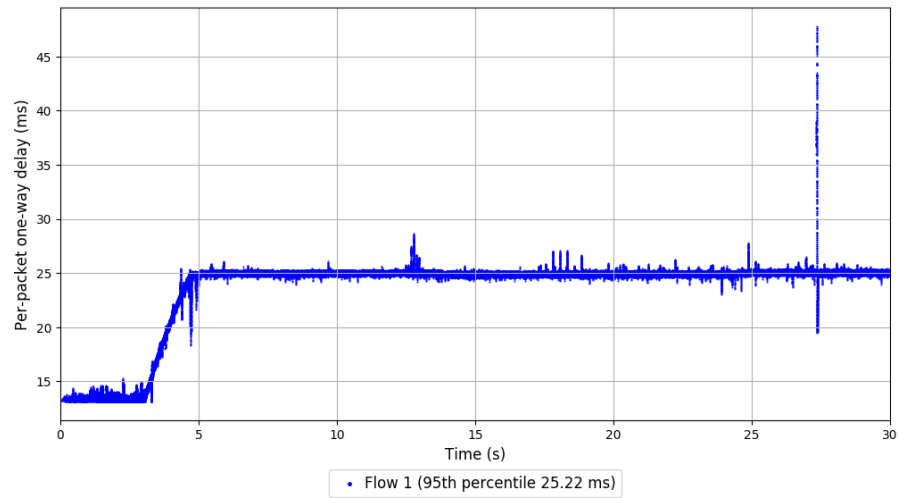
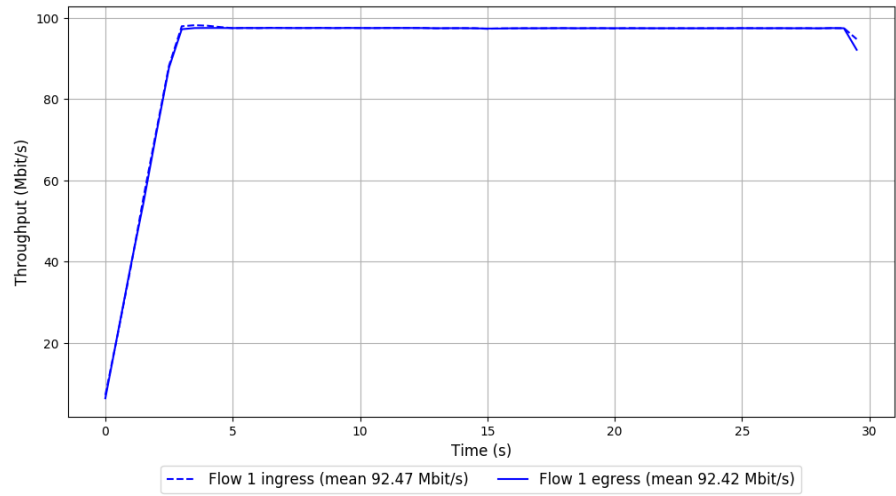


Run 5: Statistics of LEDBAT

Start at: 2018-04-24 06:36:46
End at: 2018-04-24 06:37:16
Local clock offset: -17.143 ms
Remote clock offset: -6.421 ms

Below is generated by plot.py at 2018-04-24 11:44:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.42 Mbit/s
95th percentile per-packet one-way delay: 25.219 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 92.42 Mbit/s
95th percentile per-packet one-way delay: 25.219 ms
Loss rate: 0.14%

Run 5: Report of LEDBAT — Data Link

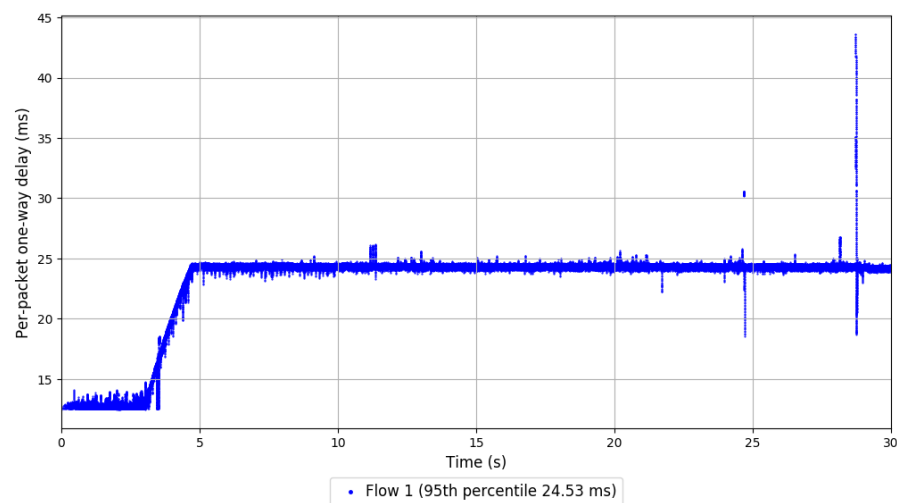
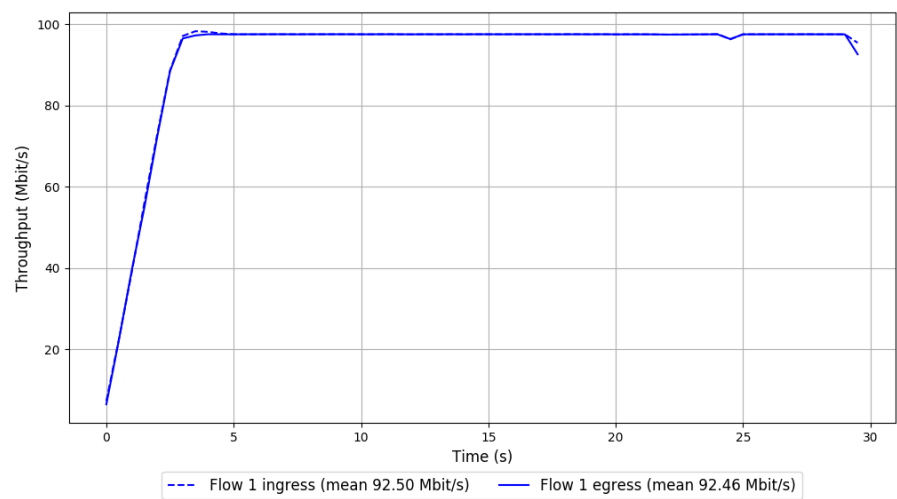


Run 6: Statistics of LEDBAT

Start at: 2018-04-24 06:56:52
End at: 2018-04-24 06:57:22
Local clock offset: -12.264 ms
Remote clock offset: -2.86 ms

Below is generated by plot.py at 2018-04-24 11:45:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.46 Mbit/s
95th percentile per-packet one-way delay: 24.531 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 92.46 Mbit/s
95th percentile per-packet one-way delay: 24.531 ms
Loss rate: 0.14%

Run 6: Report of LEDBAT — Data Link

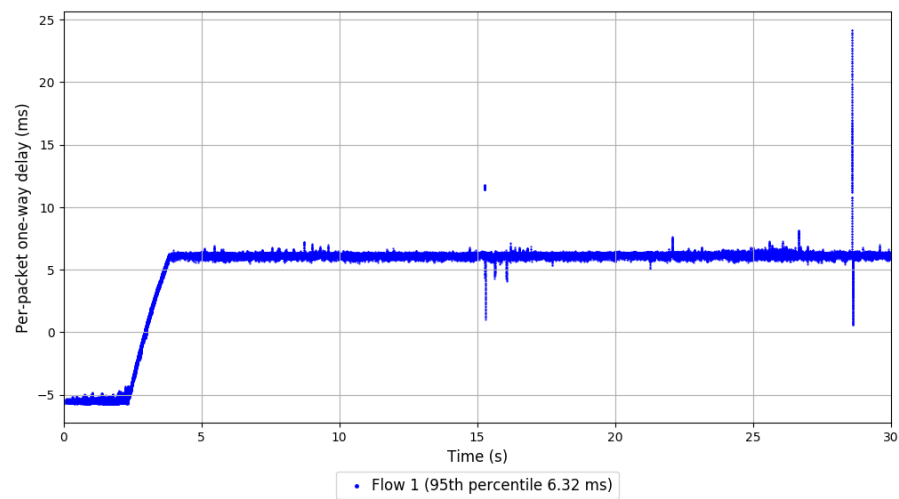
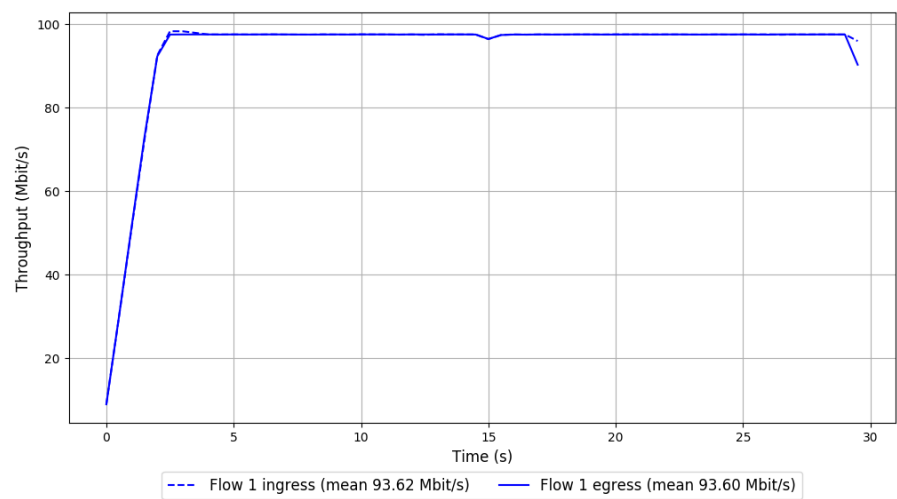


Run 7: Statistics of LEDBAT

Start at: 2018-04-24 07:16:31
End at: 2018-04-24 07:17:01
Local clock offset: -14.89 ms
Remote clock offset: 10.669 ms

Below is generated by plot.py at 2018-04-24 11:45:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.60 Mbit/s
95th percentile per-packet one-way delay: 6.323 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 93.60 Mbit/s
95th percentile per-packet one-way delay: 6.323 ms
Loss rate: 0.12%

Run 7: Report of LEDBAT — Data Link

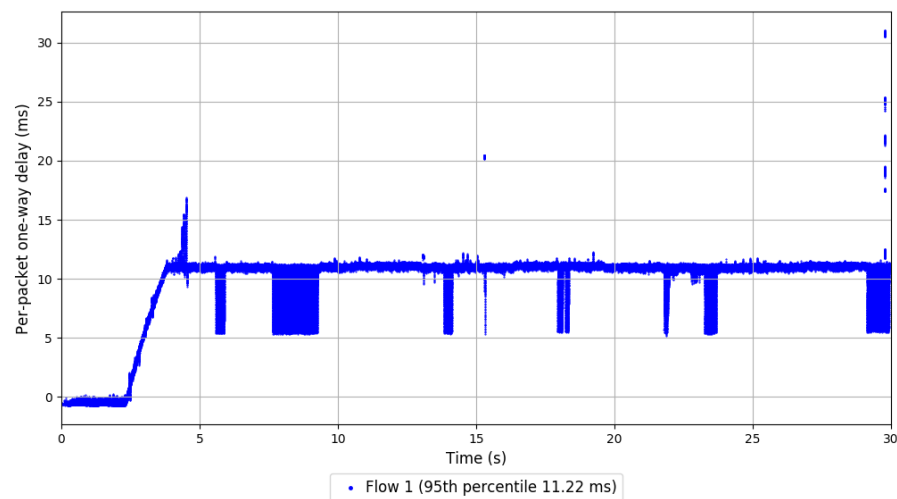
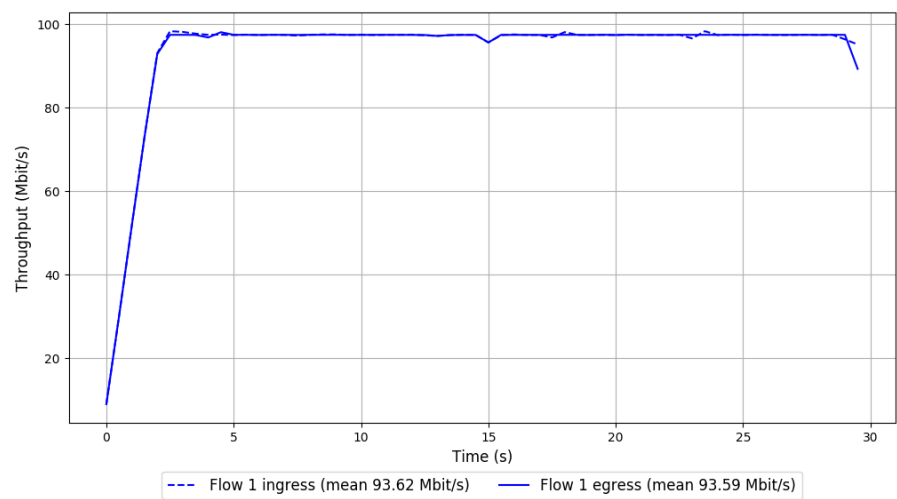


Run 8: Statistics of LEDBAT

Start at: 2018-04-24 07:36:09
End at: 2018-04-24 07:36:39
Local clock offset: -14.645 ms
Remote clock offset: 3.831 ms

Below is generated by plot.py at 2018-04-24 11:45:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.59 Mbit/s
95th percentile per-packet one-way delay: 11.217 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 93.59 Mbit/s
95th percentile per-packet one-way delay: 11.217 ms
Loss rate: 0.12%

Run 8: Report of LEDBAT — Data Link

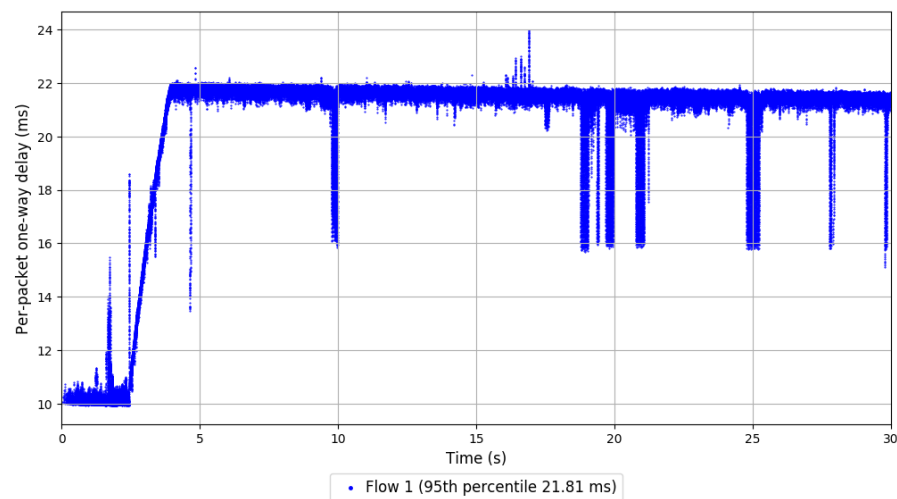
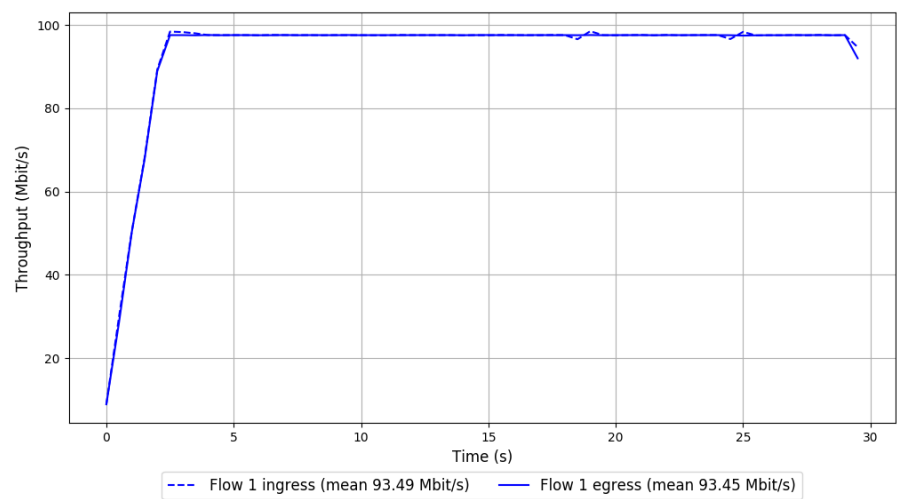


Run 9: Statistics of LEDBAT

Start at: 2018-04-24 07:55:31
End at: 2018-04-24 07:56:01
Local clock offset: -13.313 ms
Remote clock offset: -6.918 ms

Below is generated by plot.py at 2018-04-24 11:46:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.45 Mbit/s
95th percentile per-packet one-way delay: 21.814 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 93.45 Mbit/s
95th percentile per-packet one-way delay: 21.814 ms
Loss rate: 0.12%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-04-24 08:15:07

End at: 2018-04-24 08:15:37

Local clock offset: -8.342 ms

Remote clock offset: -8.14 ms

Below is generated by plot.py at 2018-04-24 11:46:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.33 Mbit/s

95th percentile per-packet one-way delay: 24.189 ms

Loss rate: 0.16%

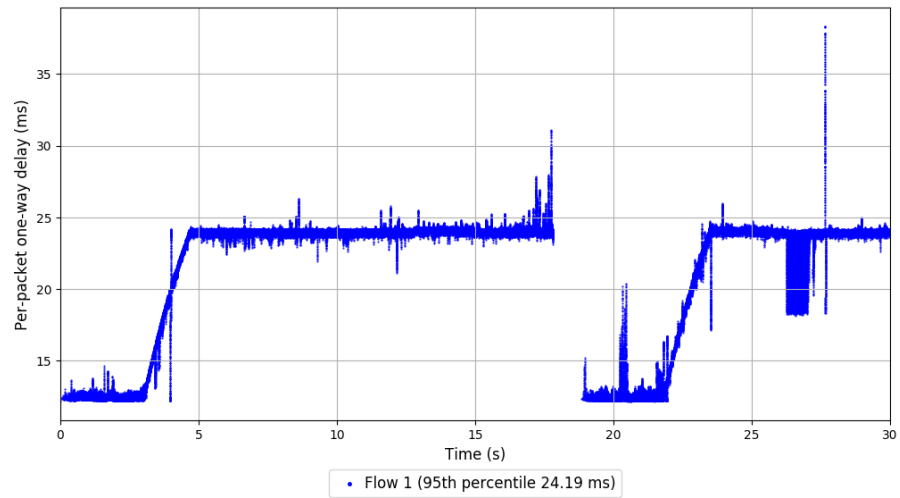
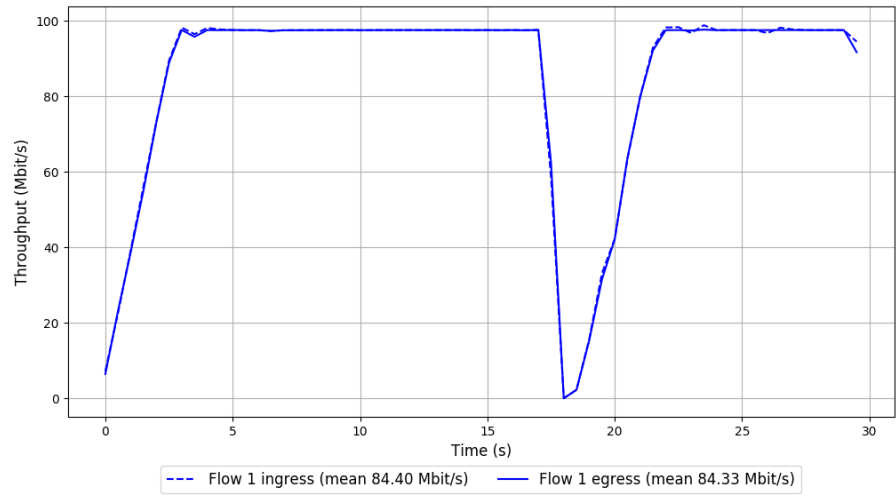
-- Flow 1:

Average throughput: 84.33 Mbit/s

95th percentile per-packet one-way delay: 24.189 ms

Loss rate: 0.16%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-04-24 05:13:45

End at: 2018-04-24 05:14:15

Local clock offset: -9.991 ms

Remote clock offset: -11.349 ms

Below is generated by plot.py at 2018-04-24 11:46:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.75 Mbit/s

95th percentile per-packet one-way delay: 24.530 ms

Loss rate: 16.62%

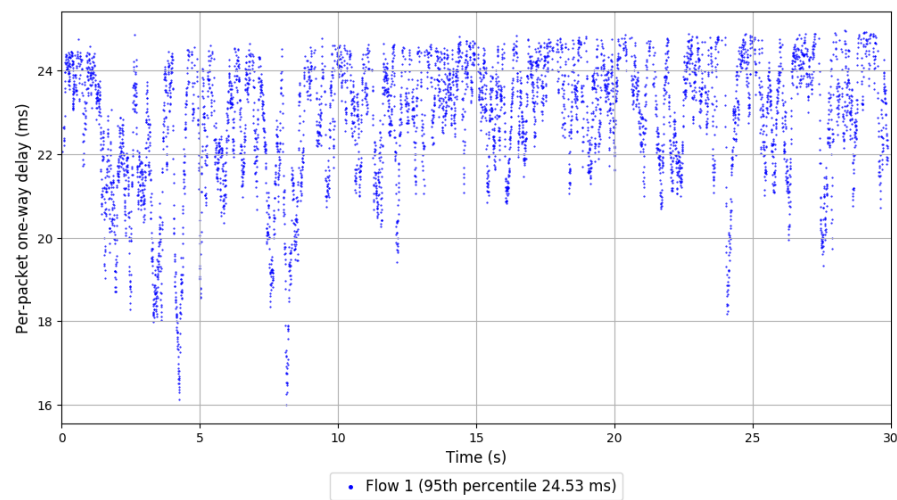
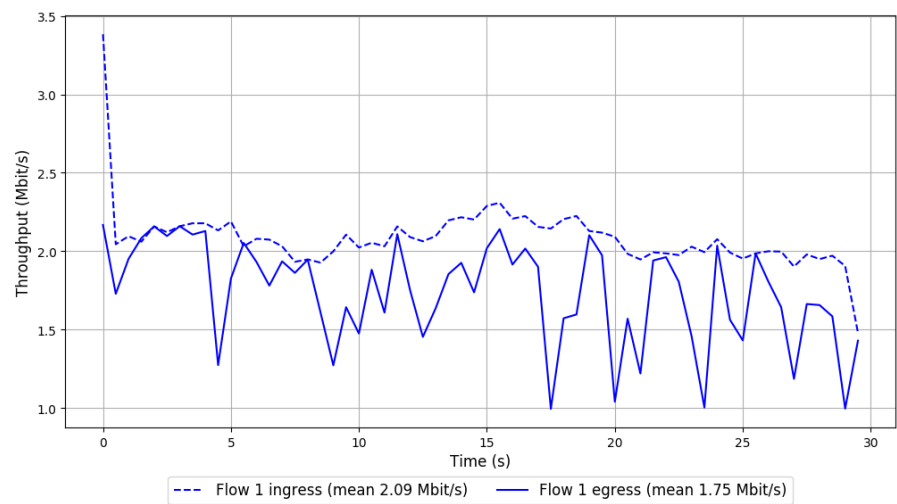
-- Flow 1:

Average throughput: 1.75 Mbit/s

95th percentile per-packet one-way delay: 24.530 ms

Loss rate: 16.62%

Run 1: Report of PCC-Allegro — Data Link

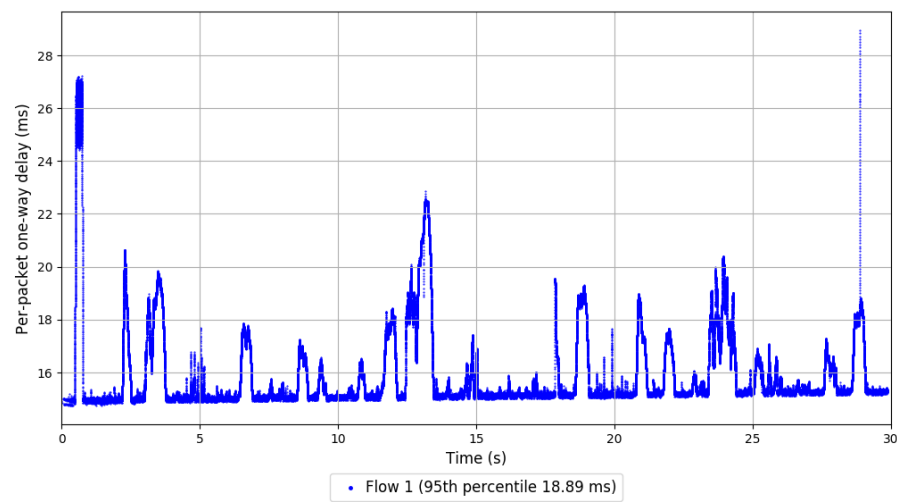
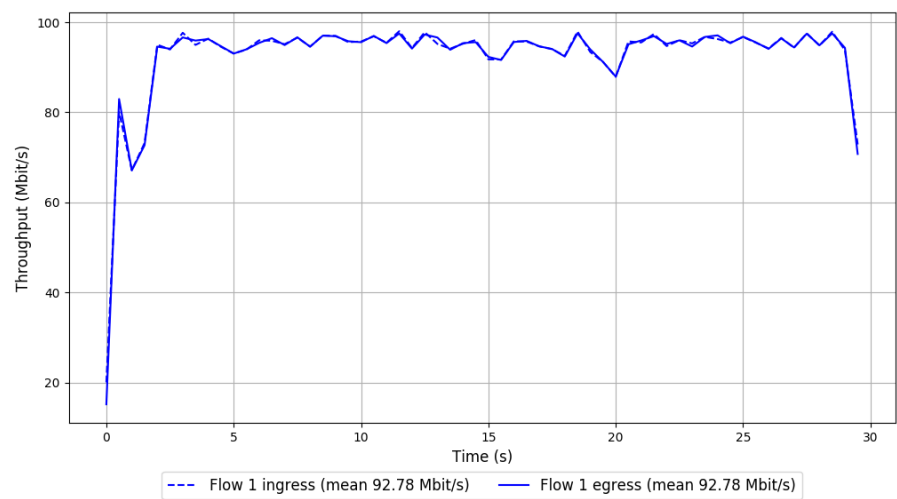


Run 2: Statistics of PCC-Allegro

Start at: 2018-04-24 05:33:38
End at: 2018-04-24 05:34:08
Local clock offset: -18.769 ms
Remote clock offset: -9.328 ms

Below is generated by plot.py at 2018-04-24 11:46:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.78 Mbit/s
95th percentile per-packet one-way delay: 18.889 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 92.78 Mbit/s
95th percentile per-packet one-way delay: 18.889 ms
Loss rate: 0.09%

Run 2: Report of PCC-Allegro — Data Link

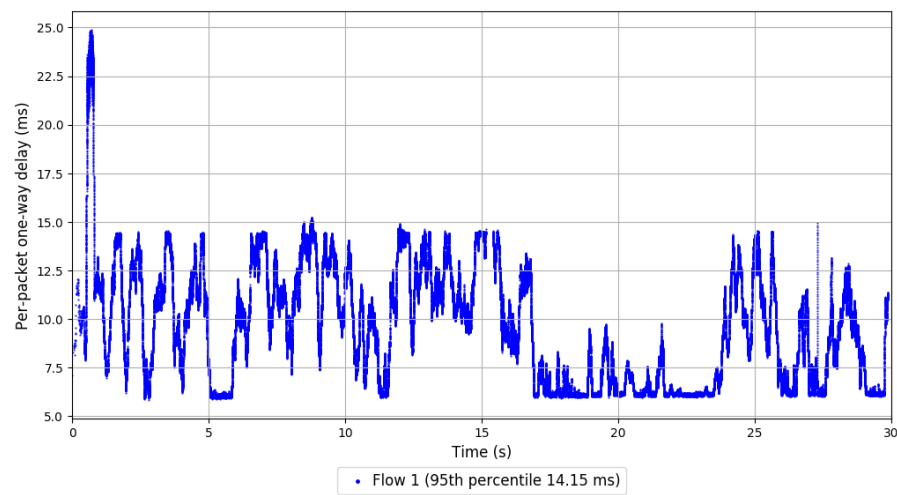
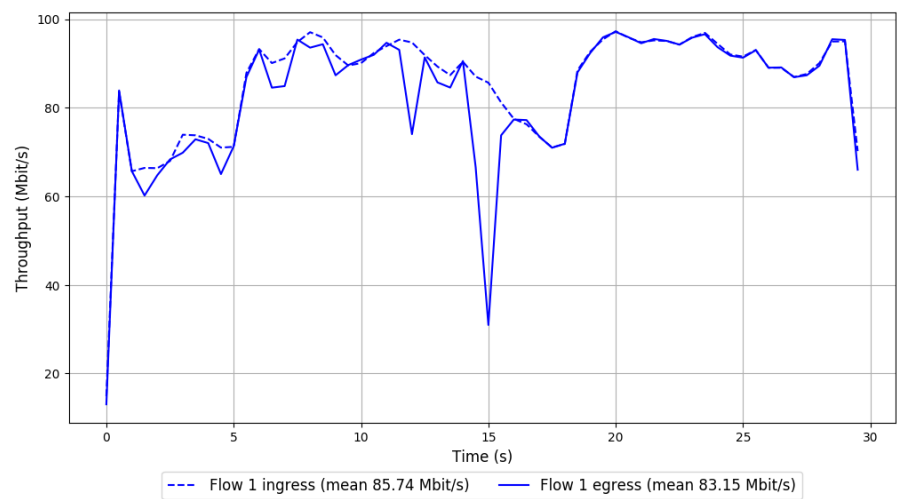


Run 3: Statistics of PCC-Allegro

Start at: 2018-04-24 05:53:47
End at: 2018-04-24 05:54:17
Local clock offset: -14.443 ms
Remote clock offset: 2.185 ms

Below is generated by plot.py at 2018-04-24 11:46:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.15 Mbit/s
95th percentile per-packet one-way delay: 14.147 ms
Loss rate: 3.10%
-- Flow 1:
Average throughput: 83.15 Mbit/s
95th percentile per-packet one-way delay: 14.147 ms
Loss rate: 3.10%

Run 3: Report of PCC-Allegro — Data Link

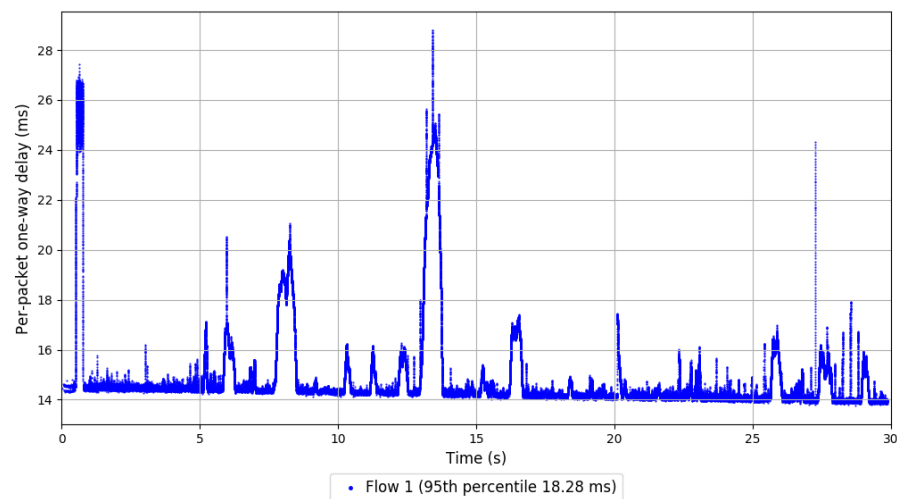
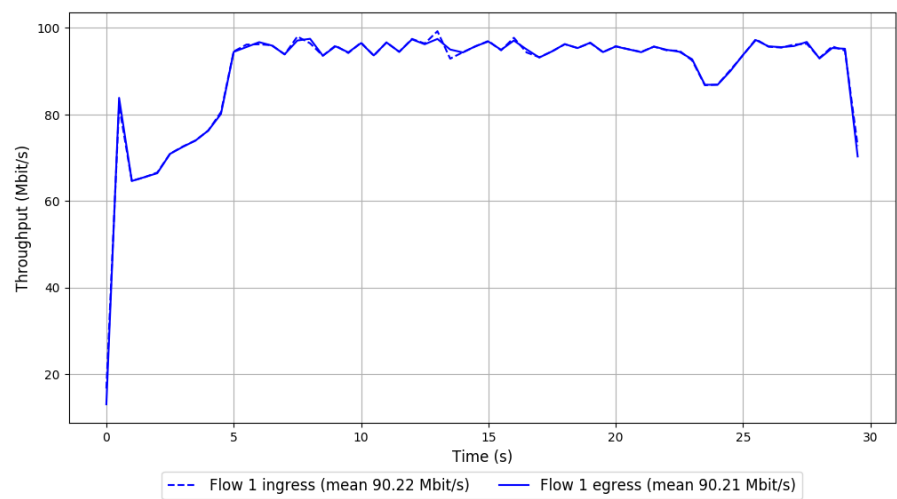


Run 4: Statistics of PCC-Allegro

Start at: 2018-04-24 06:13:37
End at: 2018-04-24 06:14:07
Local clock offset: -19.28 ms
Remote clock offset: -4.846 ms

Below is generated by plot.py at 2018-04-24 11:46:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.21 Mbit/s
95th percentile per-packet one-way delay: 18.279 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 90.21 Mbit/s
95th percentile per-packet one-way delay: 18.279 ms
Loss rate: 0.09%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-04-24 06:33:21

End at: 2018-04-24 06:33:51

Local clock offset: -16.618 ms

Remote clock offset: -10.164 ms

Below is generated by plot.py at 2018-04-24 11:47:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.64 Mbit/s

95th percentile per-packet one-way delay: 18.306 ms

Loss rate: 0.10%

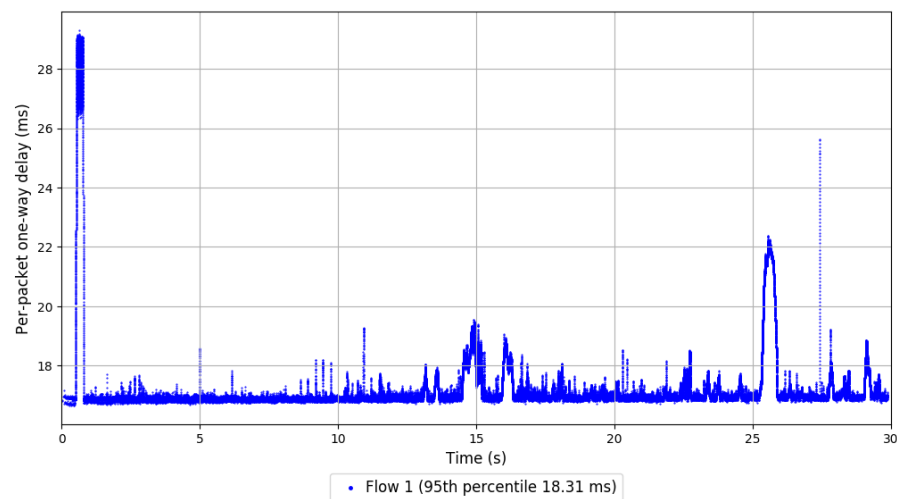
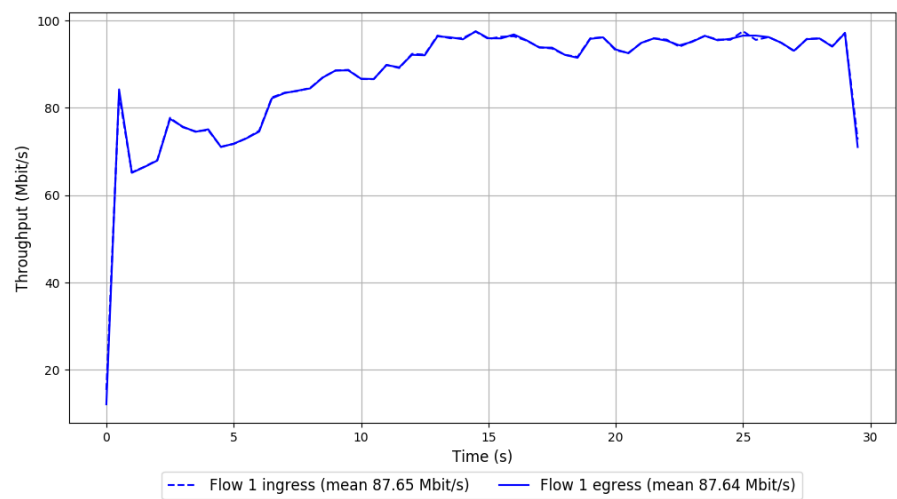
-- Flow 1:

Average throughput: 87.64 Mbit/s

95th percentile per-packet one-way delay: 18.306 ms

Loss rate: 0.10%

Run 5: Report of PCC-Allegro — Data Link

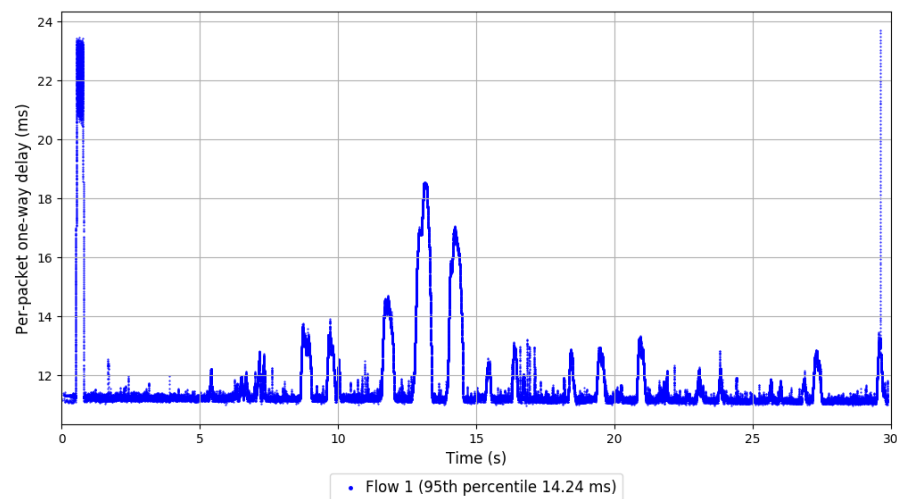
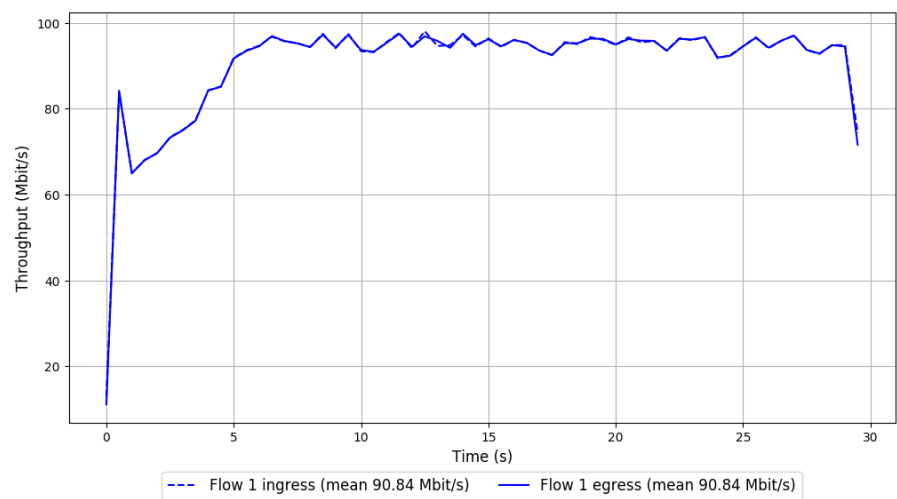


Run 6: Statistics of PCC-Allegro

Start at: 2018-04-24 06:53:22
End at: 2018-04-24 06:53:52
Local clock offset: -13.281 ms
Remote clock offset: -1.962 ms

Below is generated by plot.py at 2018-04-24 11:47:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.84 Mbit/s
95th percentile per-packet one-way delay: 14.239 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 90.84 Mbit/s
95th percentile per-packet one-way delay: 14.239 ms
Loss rate: 0.09%

Run 6: Report of PCC-Allegro — Data Link

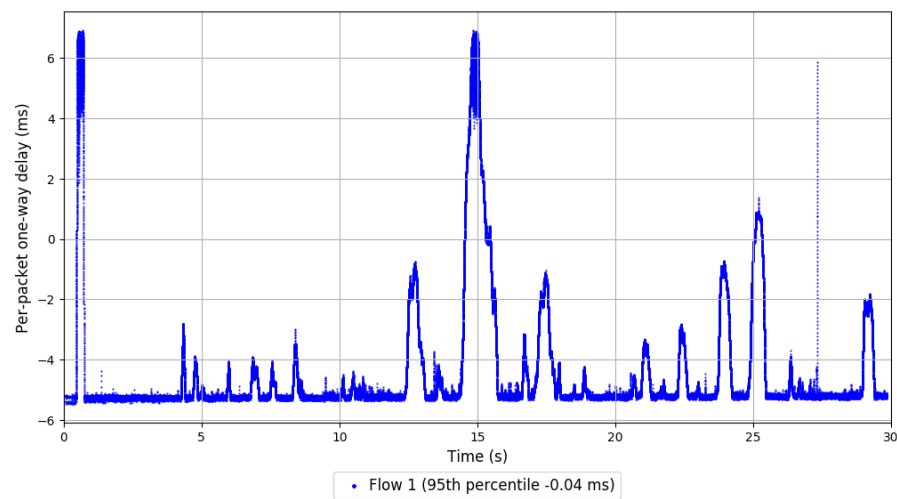
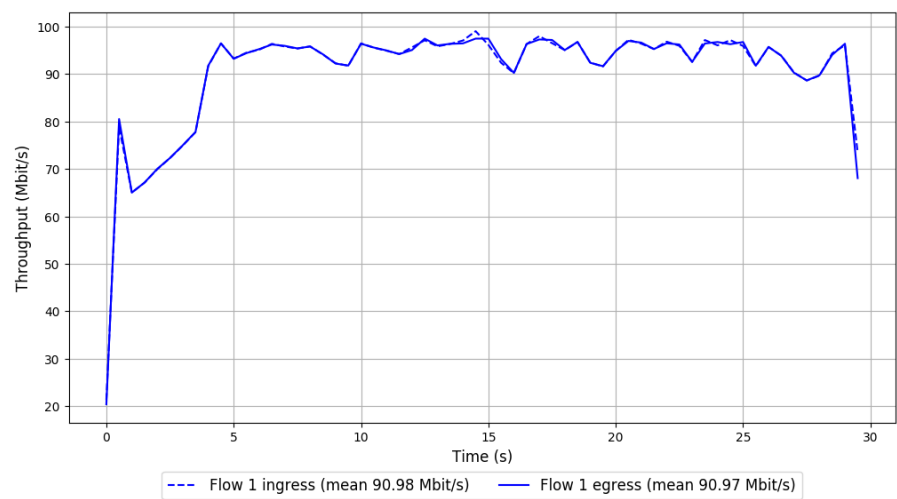


Run 7: Statistics of PCC-Allegro

Start at: 2018-04-24 07:13:07
End at: 2018-04-24 07:13:37
Local clock offset: -16.674 ms
Remote clock offset: 8.009 ms

Below is generated by plot.py at 2018-04-24 11:47:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.97 Mbit/s
95th percentile per-packet one-way delay: -0.038 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 90.97 Mbit/s
95th percentile per-packet one-way delay: -0.038 ms
Loss rate: 0.08%

Run 7: Report of PCC-Allegro — Data Link

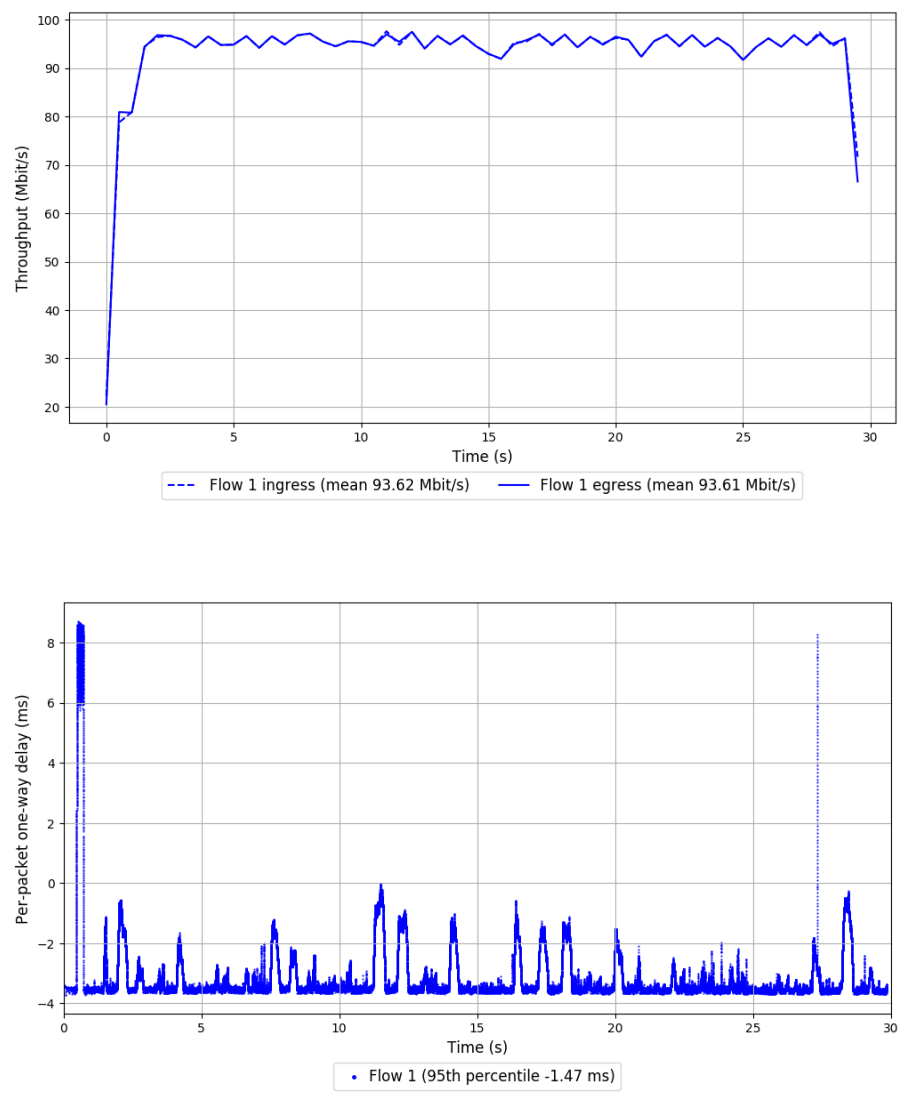


Run 8: Statistics of PCC-Allegro

Start at: 2018-04-24 07:32:42
End at: 2018-04-24 07:33:12
Local clock offset: -13.955 ms
Remote clock offset: 7.447 ms

Below is generated by plot.py at 2018-04-24 11:47:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.61 Mbit/s
95th percentile per-packet one-way delay: -1.472 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 93.61 Mbit/s
95th percentile per-packet one-way delay: -1.472 ms
Loss rate: 0.08%

Run 8: Report of PCC-Allegro — Data Link

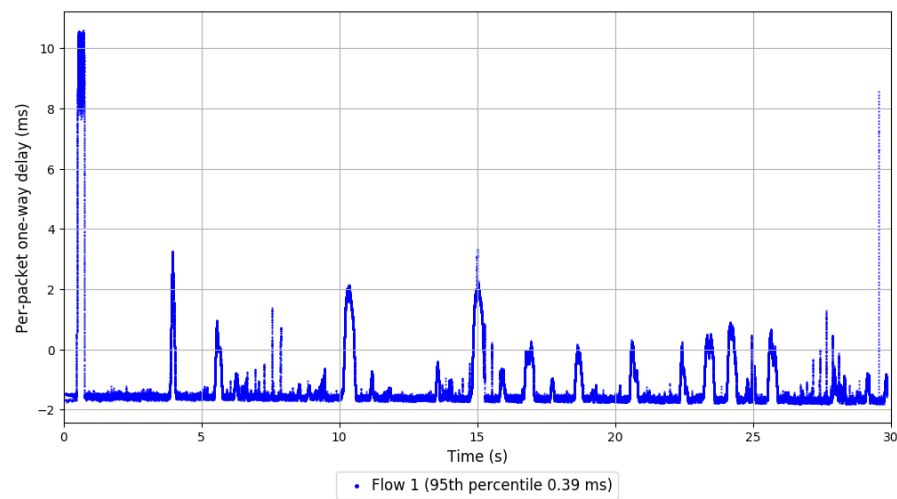
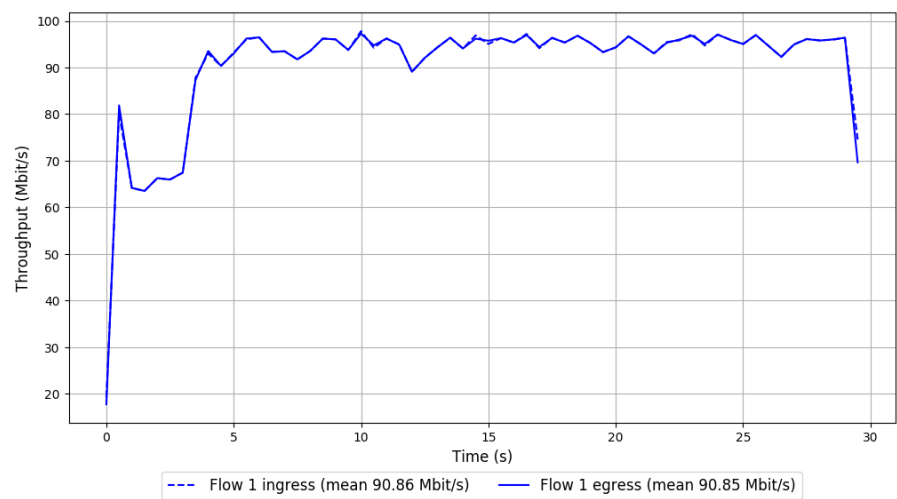


Run 9: Statistics of PCC-Allegro

Start at: 2018-04-24 07:52:07
End at: 2018-04-24 07:52:37
Local clock offset: -14.182 ms
Remote clock offset: 5.699 ms

Below is generated by plot.py at 2018-04-24 11:47:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.85 Mbit/s
95th percentile per-packet one-way delay: 0.388 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 90.85 Mbit/s
95th percentile per-packet one-way delay: 0.388 ms
Loss rate: 0.08%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-04-24 08:11:41

End at: 2018-04-24 08:12:11

Local clock offset: -4.798 ms

Remote clock offset: -7.79 ms

Below is generated by plot.py at 2018-04-24 11:47:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.44 Mbit/s

95th percentile per-packet one-way delay: 14.779 ms

Loss rate: 0.08%

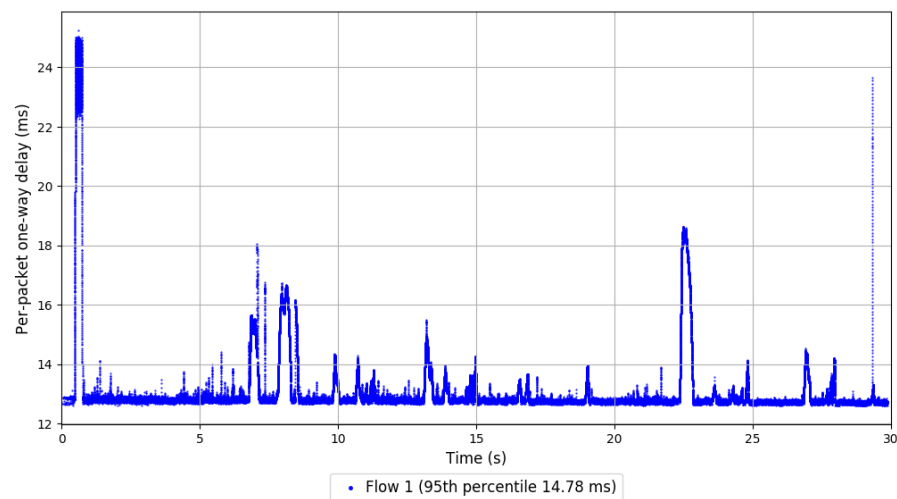
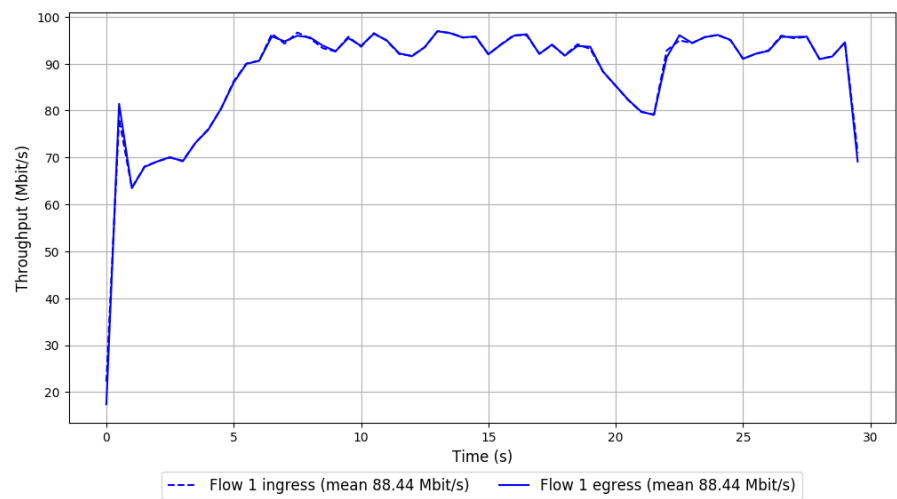
-- Flow 1:

Average throughput: 88.44 Mbit/s

95th percentile per-packet one-way delay: 14.779 ms

Loss rate: 0.08%

Run 10: Report of PCC-Allegro — Data Link

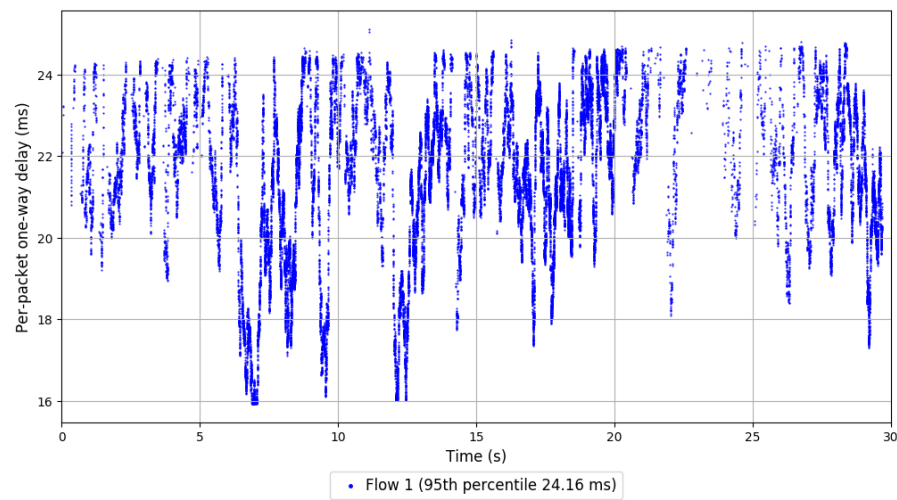
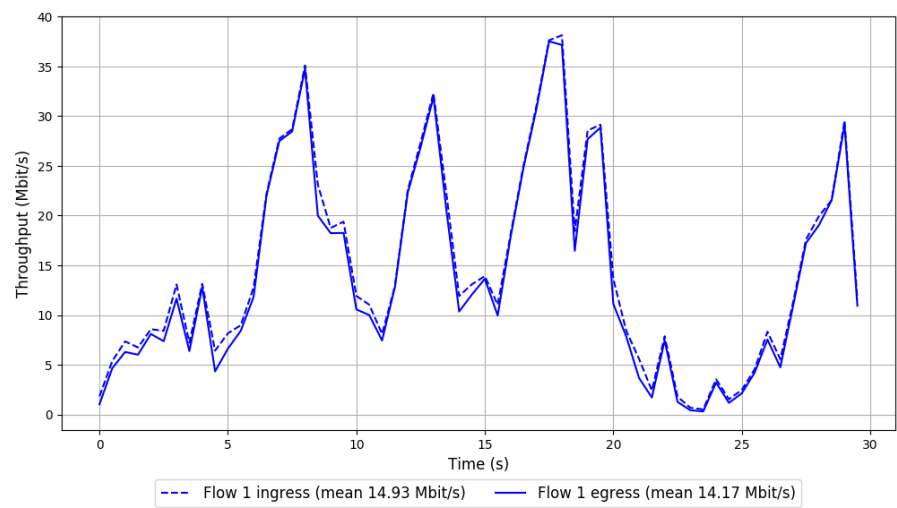


Run 1: Statistics of QUIC Cubic

Start at: 2018-04-24 05:14:52
End at: 2018-04-24 05:15:22
Local clock offset: -10.829 ms
Remote clock offset: -10.808 ms

Below is generated by plot.py at 2018-04-24 11:47:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 14.17 Mbit/s
95th percentile per-packet one-way delay: 24.162 ms
Loss rate: 5.19%
-- Flow 1:
Average throughput: 14.17 Mbit/s
95th percentile per-packet one-way delay: 24.162 ms
Loss rate: 5.19%

Run 1: Report of QUIC Cubic — Data Link

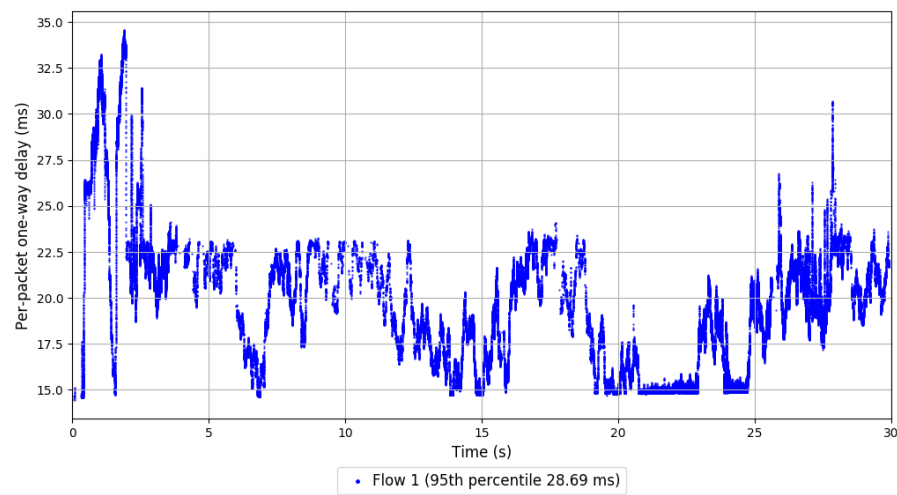
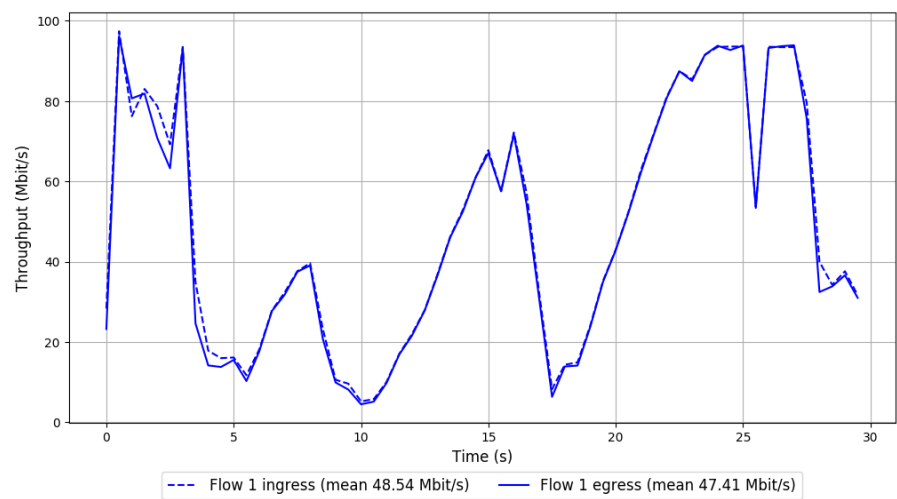


Run 2: Statistics of QUIC Cubic

Start at: 2018-04-24 05:34:46
End at: 2018-04-24 05:35:16
Local clock offset: -19.742 ms
Remote clock offset: -9.144 ms

Below is generated by plot.py at 2018-04-24 11:47:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 47.41 Mbit/s
95th percentile per-packet one-way delay: 28.686 ms
Loss rate: 2.40%
-- Flow 1:
Average throughput: 47.41 Mbit/s
95th percentile per-packet one-way delay: 28.686 ms
Loss rate: 2.40%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-04-24 05:54:57

End at: 2018-04-24 05:55:27

Local clock offset: -14.84 ms

Remote clock offset: 6.265 ms

Below is generated by plot.py at 2018-04-24 11:47:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.65 Mbit/s

95th percentile per-packet one-way delay: 8.376 ms

Loss rate: 0.10%

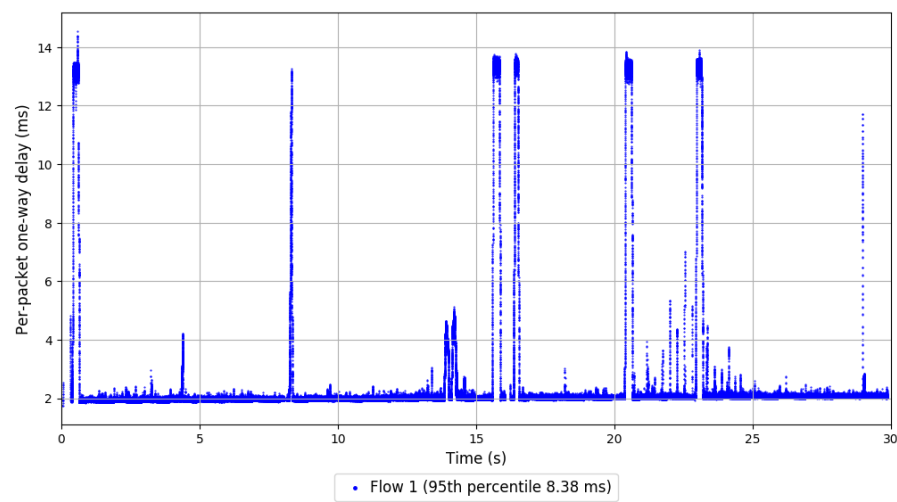
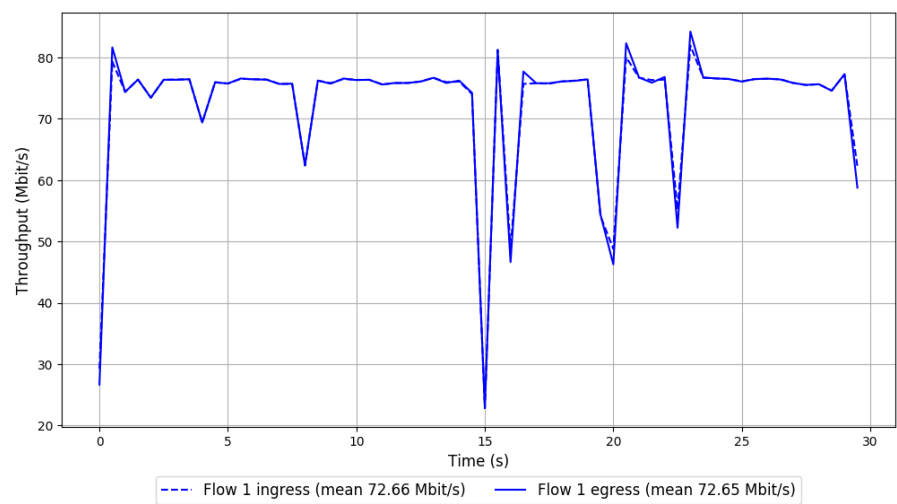
-- Flow 1:

Average throughput: 72.65 Mbit/s

95th percentile per-packet one-way delay: 8.376 ms

Loss rate: 0.10%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-04-24 06:14:45

End at: 2018-04-24 06:15:15

Local clock offset: -18.45 ms

Remote clock offset: 5.826 ms

Below is generated by plot.py at 2018-04-24 11:48:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.57 Mbit/s

95th percentile per-packet one-way delay: 14.551 ms

Loss rate: 0.11%

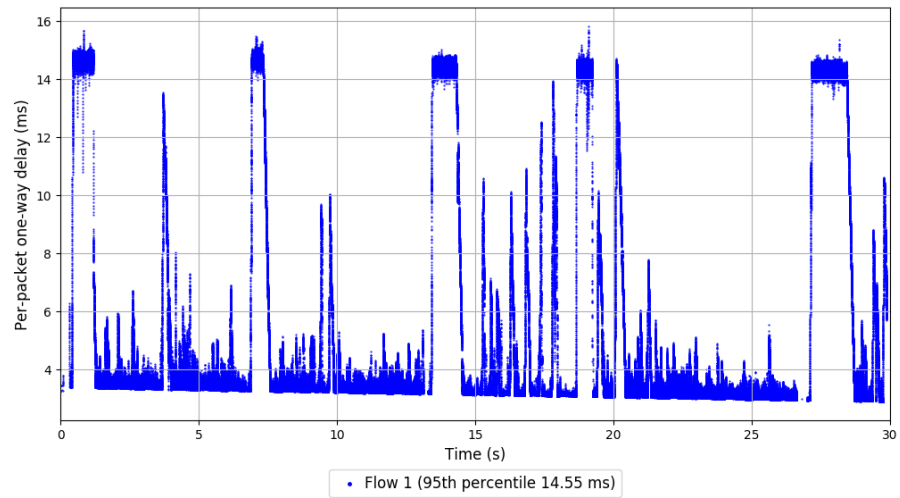
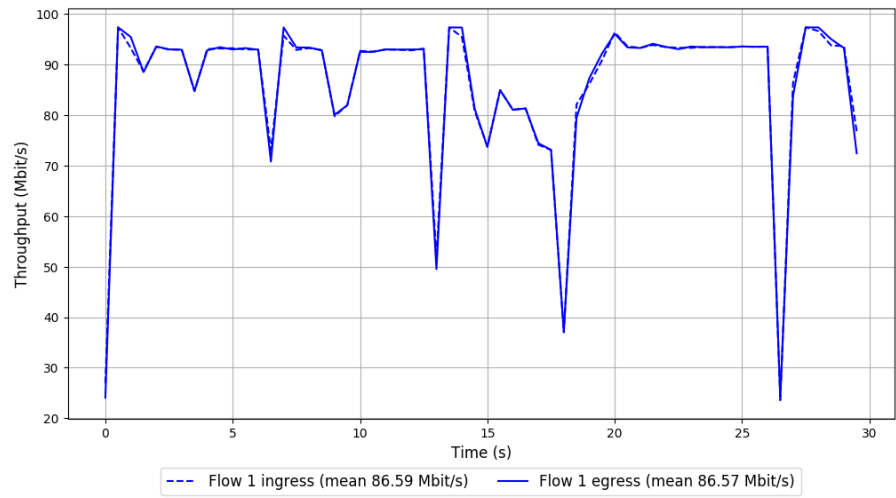
-- Flow 1:

Average throughput: 86.57 Mbit/s

95th percentile per-packet one-way delay: 14.551 ms

Loss rate: 0.11%

Run 4: Report of QUIC Cubic — Data Link

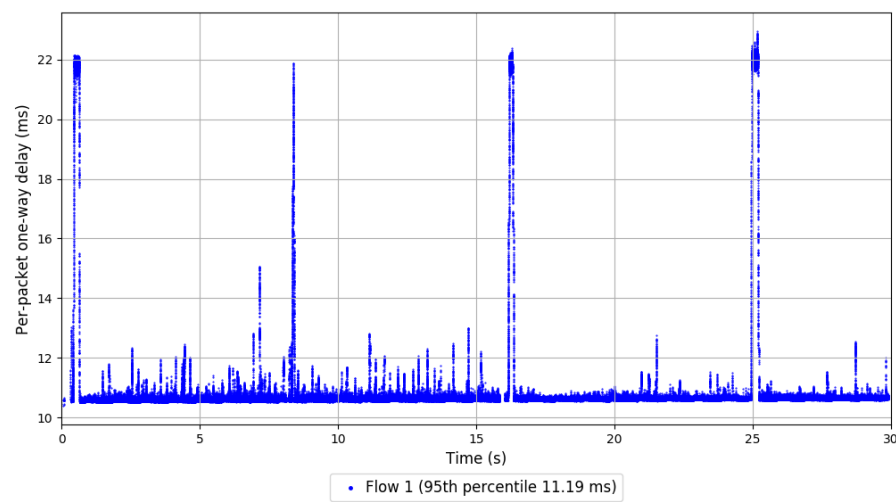
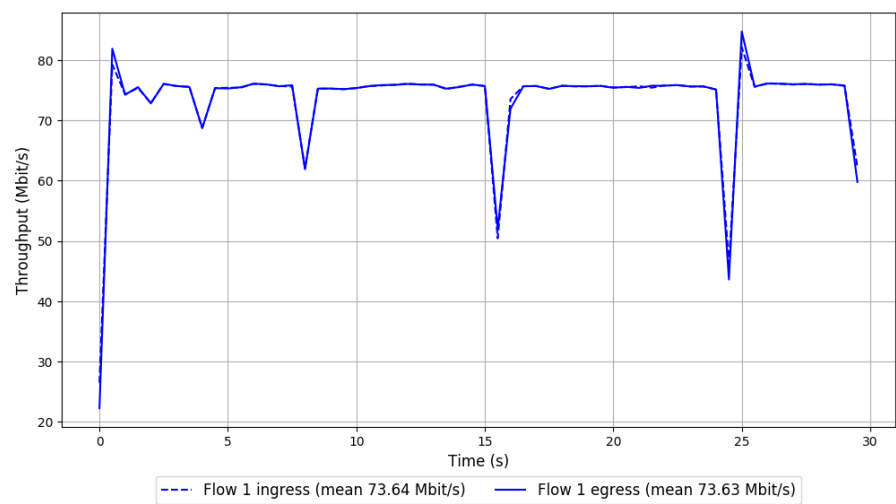


Run 5: Statistics of QUIC Cubic

Start at: 2018-04-24 06:34:29
End at: 2018-04-24 06:34:59
Local clock offset: -16.672 ms
Remote clock offset: -3.723 ms

Below is generated by plot.py at 2018-04-24 11:48:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.63 Mbit/s
95th percentile per-packet one-way delay: 11.191 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 73.63 Mbit/s
95th percentile per-packet one-way delay: 11.191 ms
Loss rate: 0.09%

Run 5: Report of QUIC Cubic — Data Link

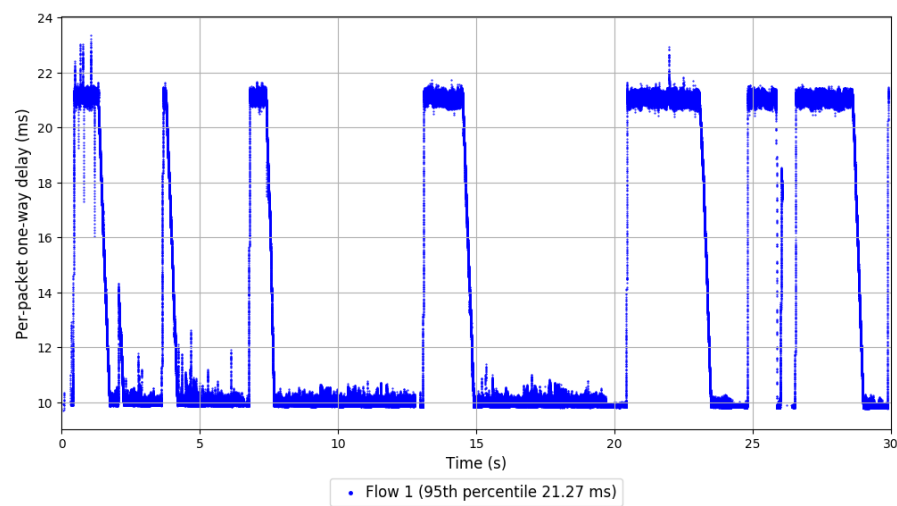
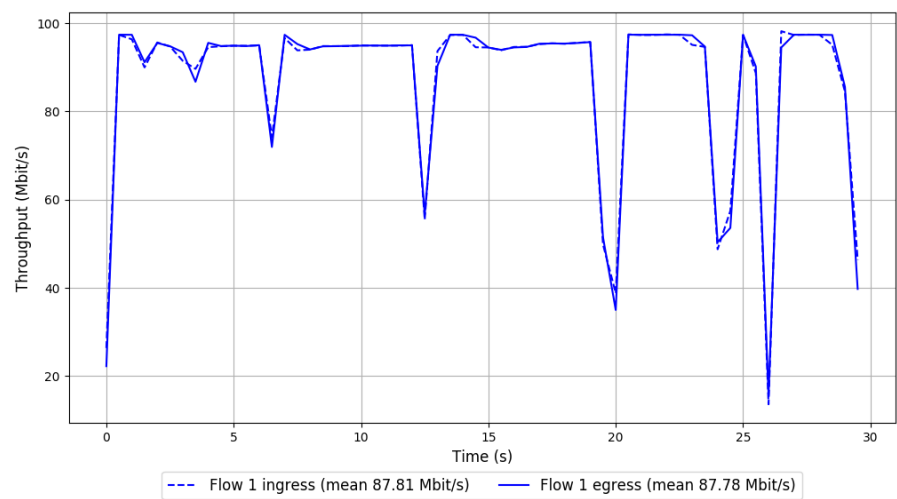


Run 6: Statistics of QUIC Cubic

Start at: 2018-04-24 06:54:32
End at: 2018-04-24 06:55:02
Local clock offset: -13.467 ms
Remote clock offset: -1.054 ms

Below is generated by plot.py at 2018-04-24 11:48:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.78 Mbit/s
95th percentile per-packet one-way delay: 21.274 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 87.78 Mbit/s
95th percentile per-packet one-way delay: 21.274 ms
Loss rate: 0.14%

Run 6: Report of QUIC Cubic — Data Link

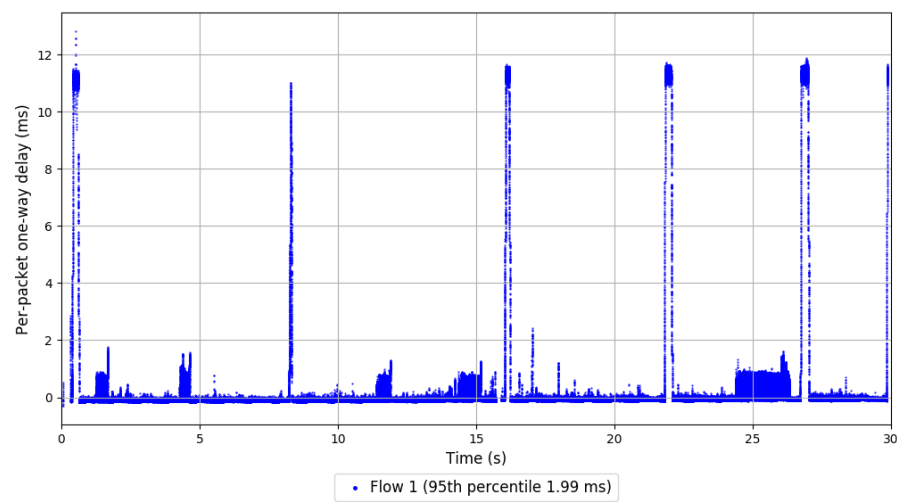
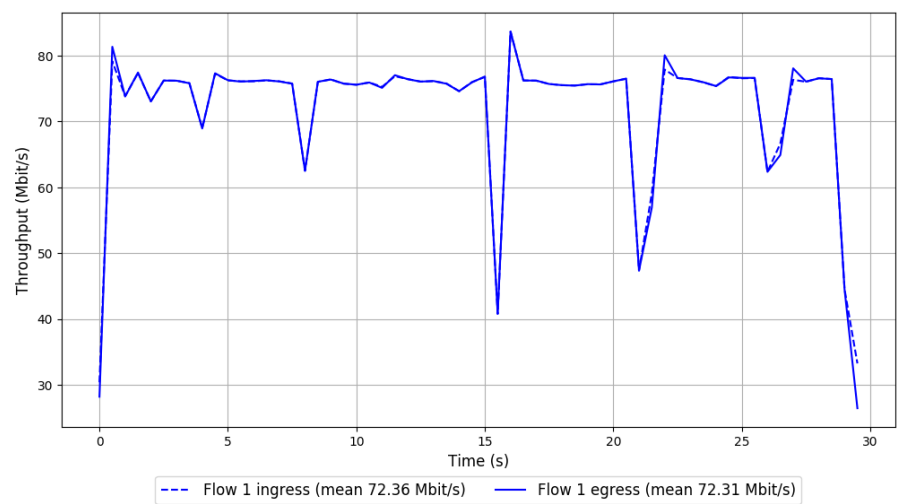


Run 7: Statistics of QUIC Cubic

Start at: 2018-04-24 07:14:15
End at: 2018-04-24 07:14:45
Local clock offset: -12.189 ms
Remote clock offset: 7.534 ms

Below is generated by plot.py at 2018-04-24 11:48:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.31 Mbit/s
95th percentile per-packet one-way delay: 1.993 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 72.31 Mbit/s
95th percentile per-packet one-way delay: 1.993 ms
Loss rate: 0.16%

Run 7: Report of QUIC Cubic — Data Link

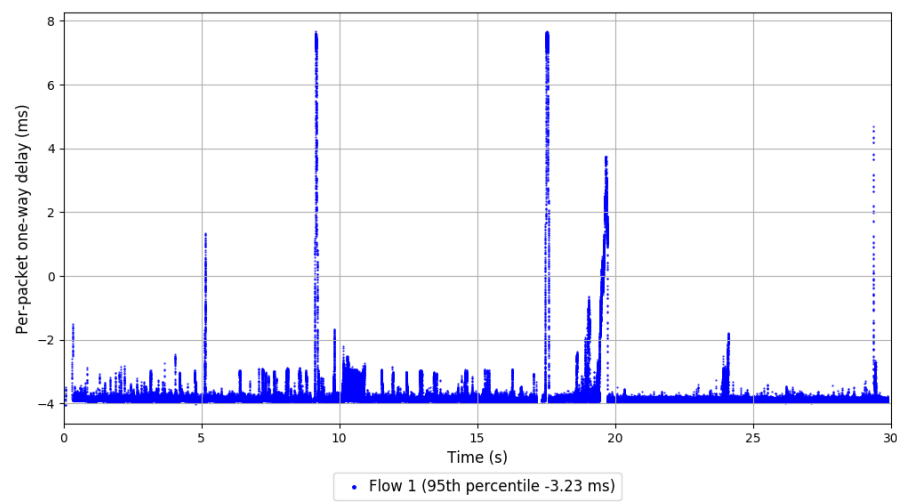
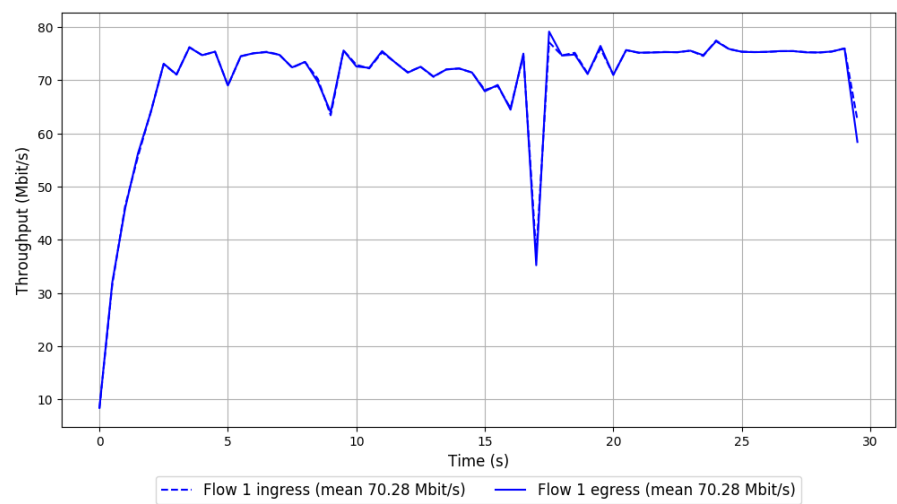


Run 8: Statistics of QUIC Cubic

Start at: 2018-04-24 07:33:51
End at: 2018-04-24 07:34:22
Local clock offset: -14.351 ms
Remote clock offset: 7.365 ms

Below is generated by plot.py at 2018-04-24 11:48:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.28 Mbit/s
95th percentile per-packet one-way delay: -3.225 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 70.28 Mbit/s
95th percentile per-packet one-way delay: -3.225 ms
Loss rate: 0.08%

Run 8: Report of QUIC Cubic — Data Link

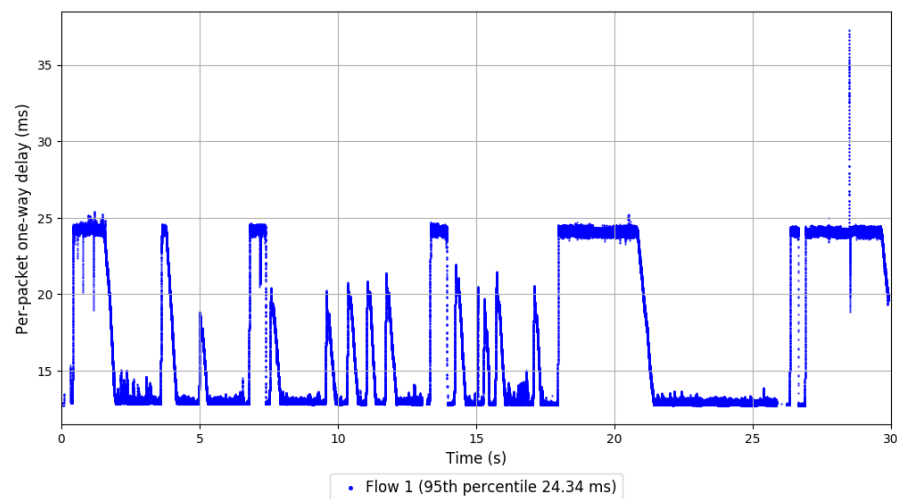
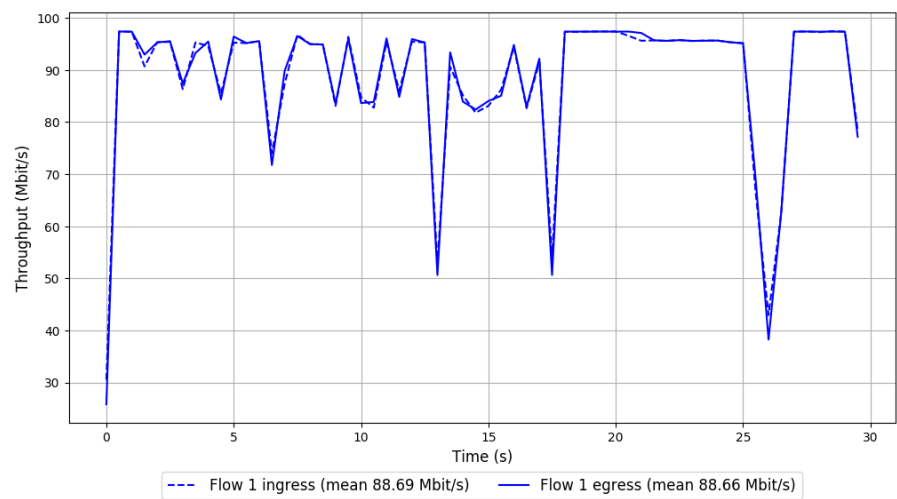


Run 9: Statistics of QUIC Cubic

Start at: 2018-04-24 07:53:15
End at: 2018-04-24 07:53:45
Local clock offset: -11.989 ms
Remote clock offset: -6.867 ms

Below is generated by plot.py at 2018-04-24 11:49:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.66 Mbit/s
95th percentile per-packet one-way delay: 24.336 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 88.66 Mbit/s
95th percentile per-packet one-way delay: 24.336 ms
Loss rate: 0.11%

Run 9: Report of QUIC Cubic — Data Link

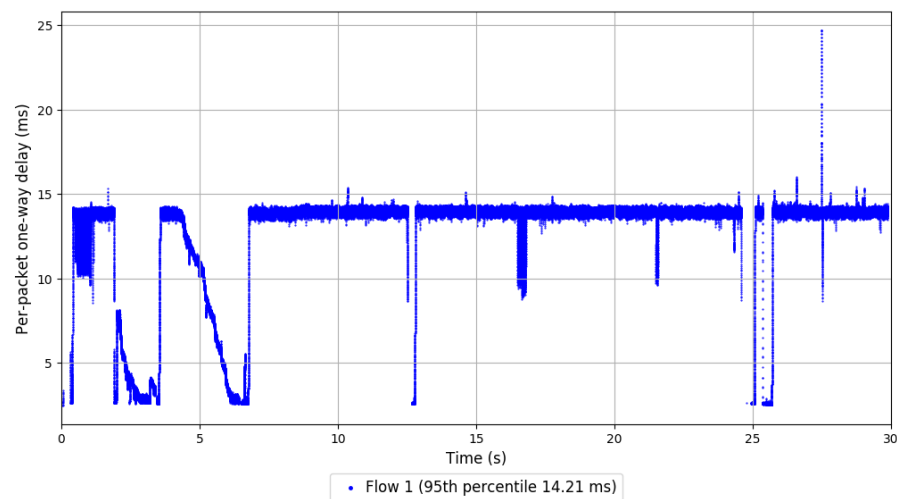
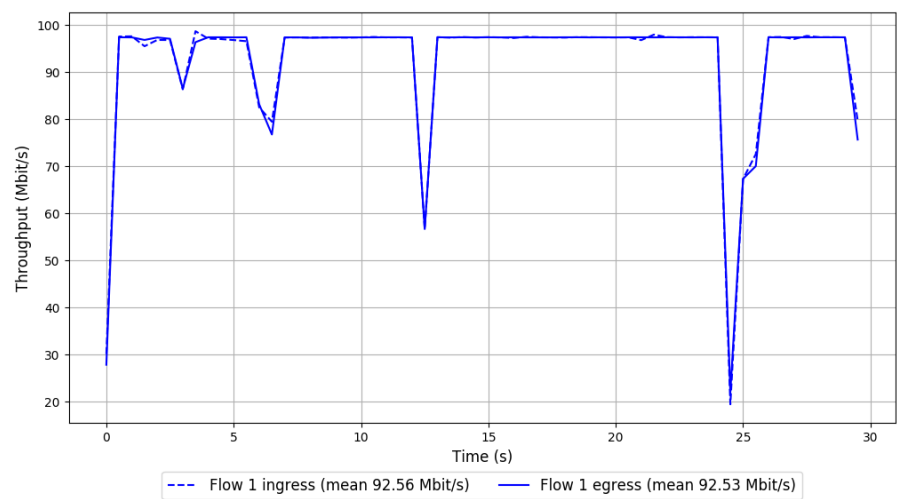


Run 10: Statistics of QUIC Cubic

Start at: 2018-04-24 08:12:49
End at: 2018-04-24 08:13:19
Local clock offset: -8.132 ms
Remote clock offset: -1.146 ms

Below is generated by plot.py at 2018-04-24 11:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.53 Mbit/s
95th percentile per-packet one-way delay: 14.211 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 92.53 Mbit/s
95th percentile per-packet one-way delay: 14.211 ms
Loss rate: 0.12%

Run 10: Report of QUIC Cubic — Data Link

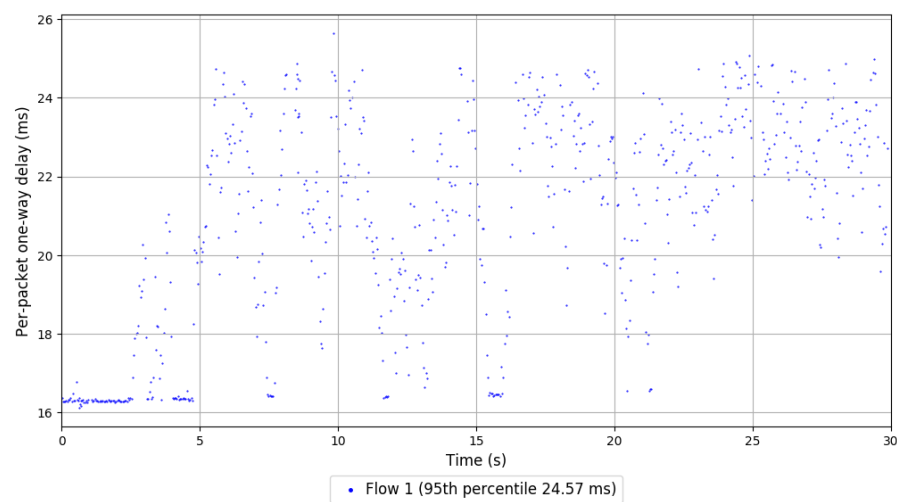
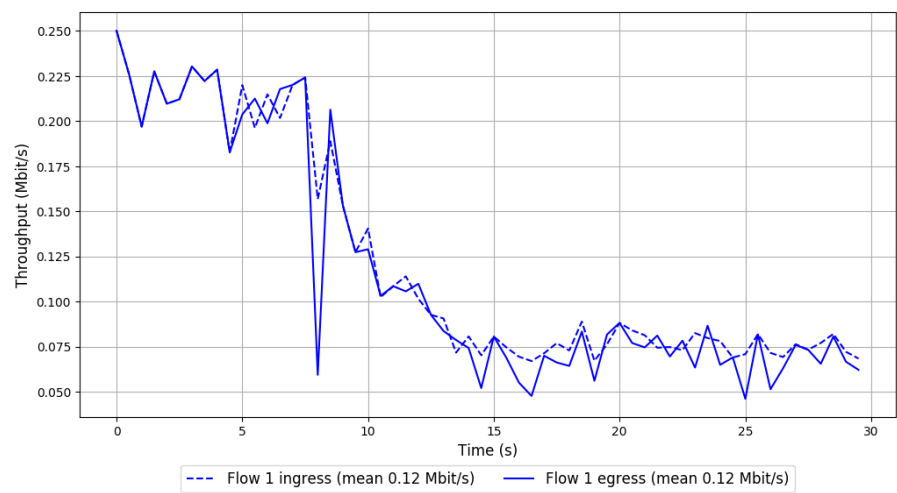


```
Run 1: Statistics of SCReAM

Start at: 2018-04-24 05:18:43
End at: 2018-04-24 05:19:13
Local clock offset: -14.849 ms
Remote clock offset: -11.047 ms

# Below is generated by plot.py at 2018-04-24 11:49:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 24.574 ms
Loss rate: 4.03%
-- Flow 1:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 24.574 ms
Loss rate: 4.03%
```

Run 1: Report of SReAM — Data Link

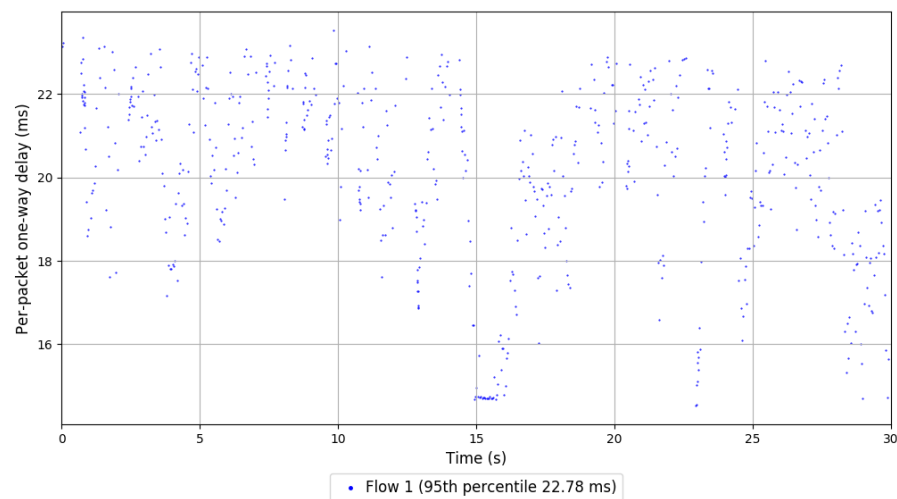
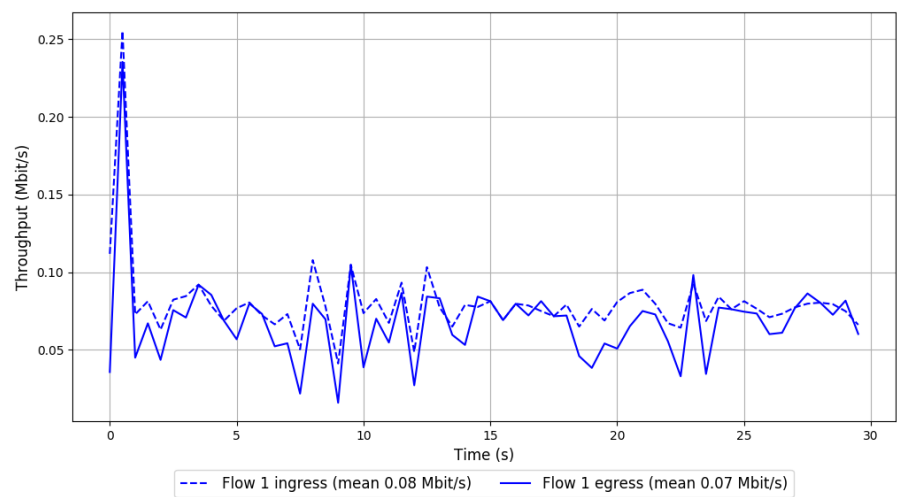


Run 2: Statistics of SReAM

Start at: 2018-04-24 05:38:29
End at: 2018-04-24 05:38:59
Local clock offset: -21.035 ms
Remote clock offset: -9.843 ms

Below is generated by plot.py at 2018-04-24 11:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 22.778 ms
Loss rate: 14.59%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 22.778 ms
Loss rate: 14.59%

Run 2: Report of SReAM — Data Link

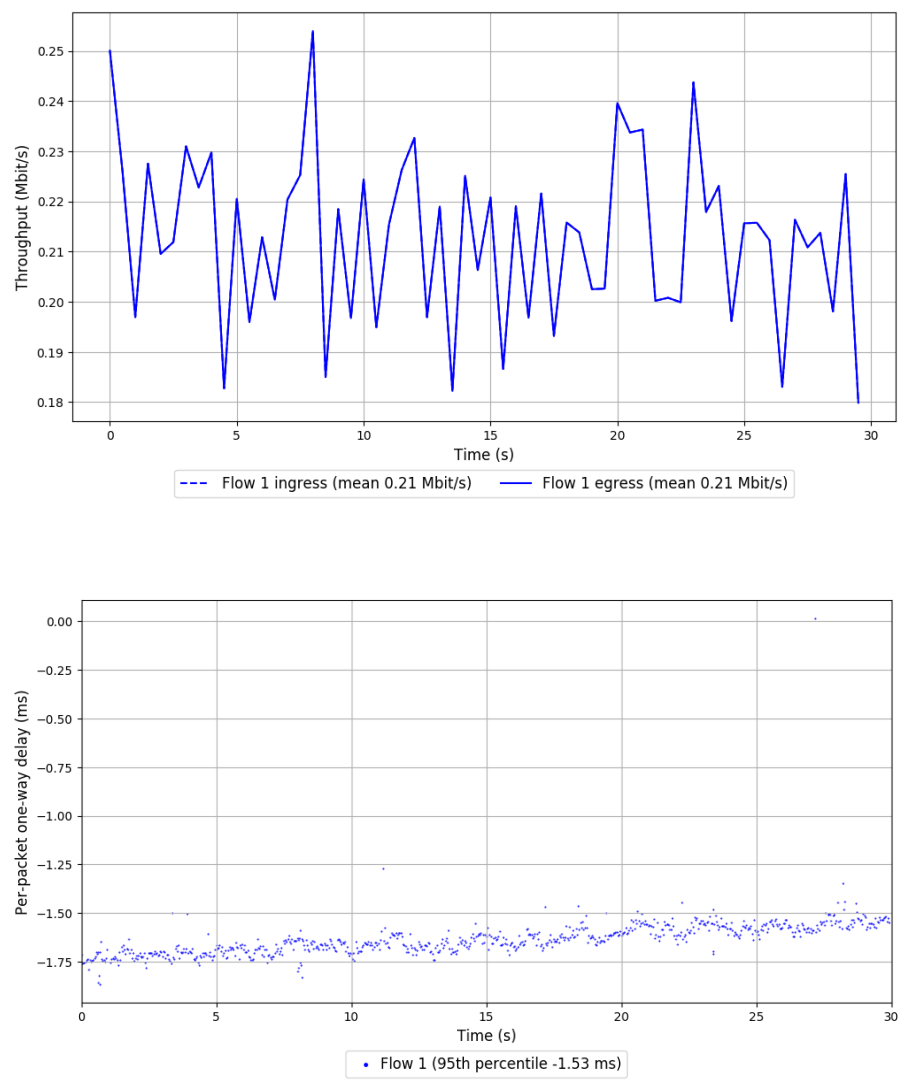


Run 3: Statistics of SCReAM

Start at: 2018-04-24 05:58:26
End at: 2018-04-24 05:58:56
Local clock offset: -15.689 ms
Remote clock offset: 10.274 ms

Below is generated by plot.py at 2018-04-24 11:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -1.526 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -1.526 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

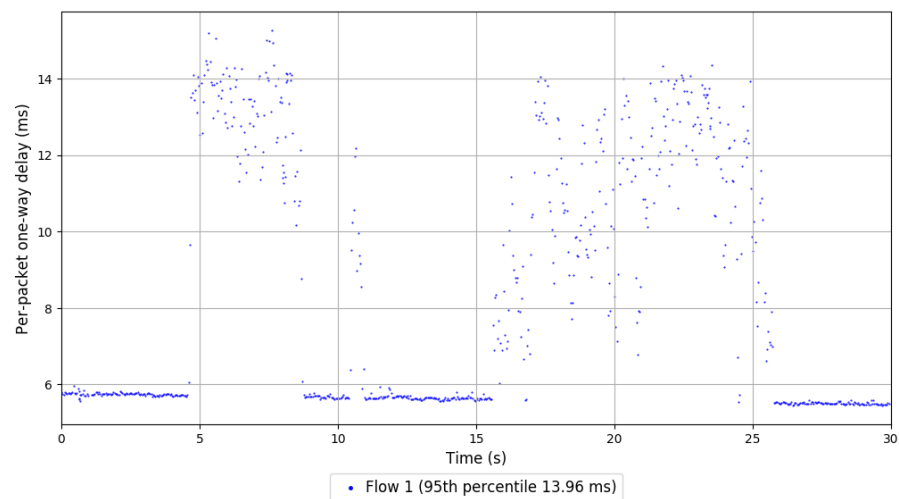
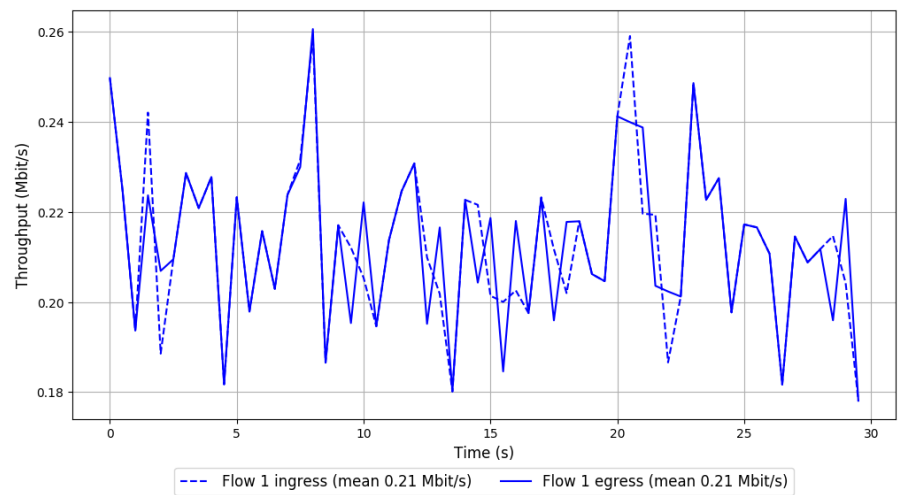


Run 4: Statistics of SCReAM

Start at: 2018-04-24 06:18:16
End at: 2018-04-24 06:18:46
Local clock offset: -17.011 ms
Remote clock offset: 2.201 ms

Below is generated by plot.py at 2018-04-24 11:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 13.957 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 13.957 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

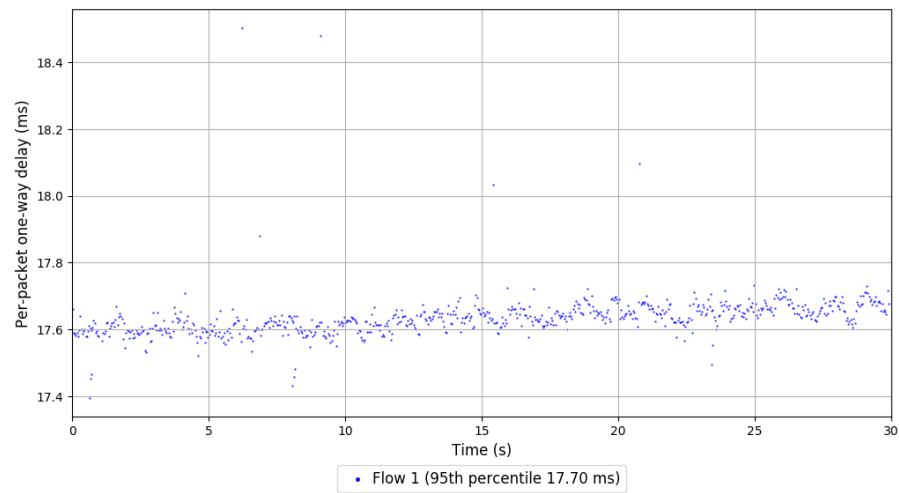
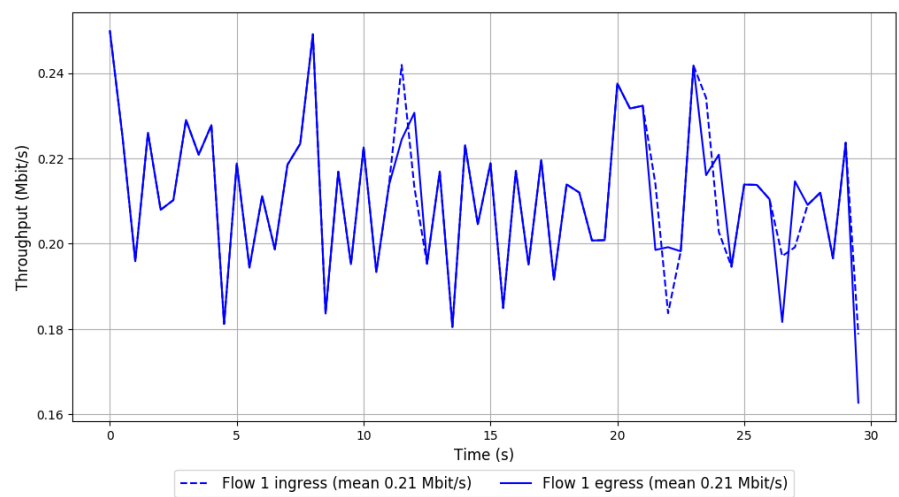


Run 5: Statistics of SCReAM

Start at: 2018-04-24 06:37:57
End at: 2018-04-24 06:38:27
Local clock offset: -16.959 ms
Remote clock offset: -10.42 ms

Below is generated by plot.py at 2018-04-24 11:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.696 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.696 ms
Loss rate: 0.13%

Run 5: Report of SReAM — Data Link

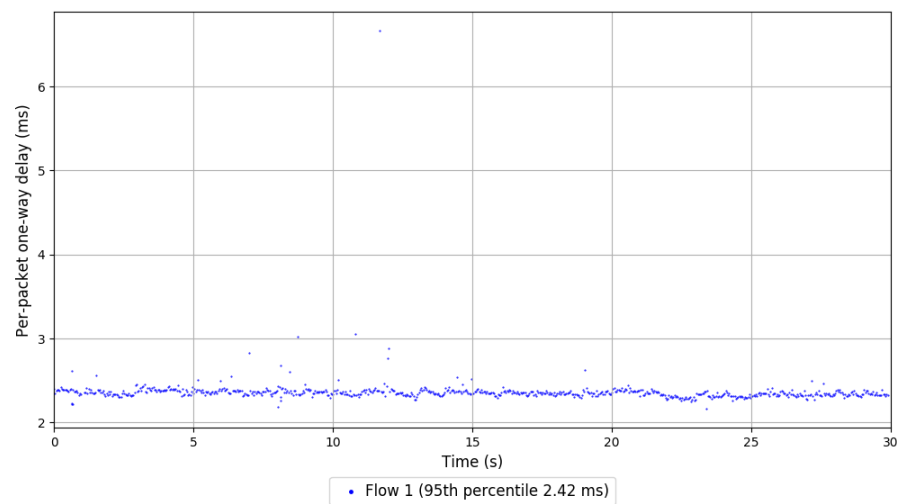
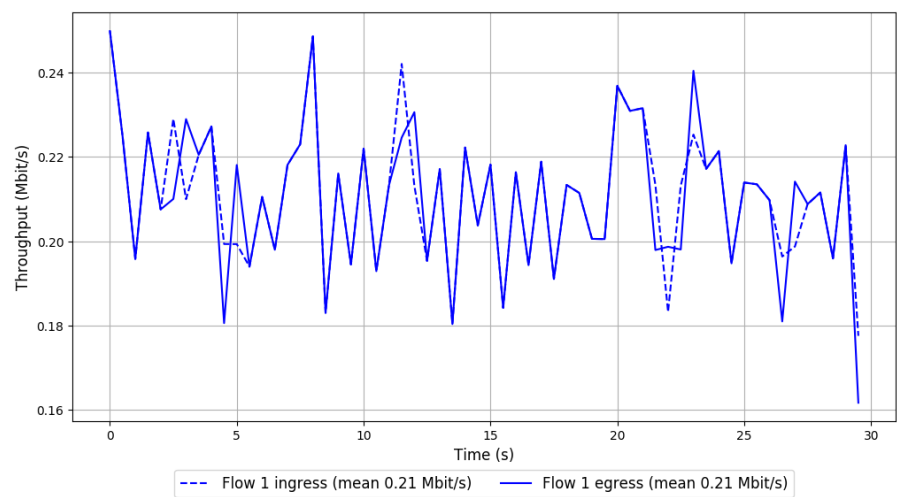


Run 6: Statistics of SCReAM

Start at: 2018-04-24 06:58:05
End at: 2018-04-24 06:58:36
Local clock offset: -11.931 ms
Remote clock offset: 7.499 ms

Below is generated by plot.py at 2018-04-24 11:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 2.419 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 2.419 ms
Loss rate: 0.13%

Run 6: Report of SReAM — Data Link

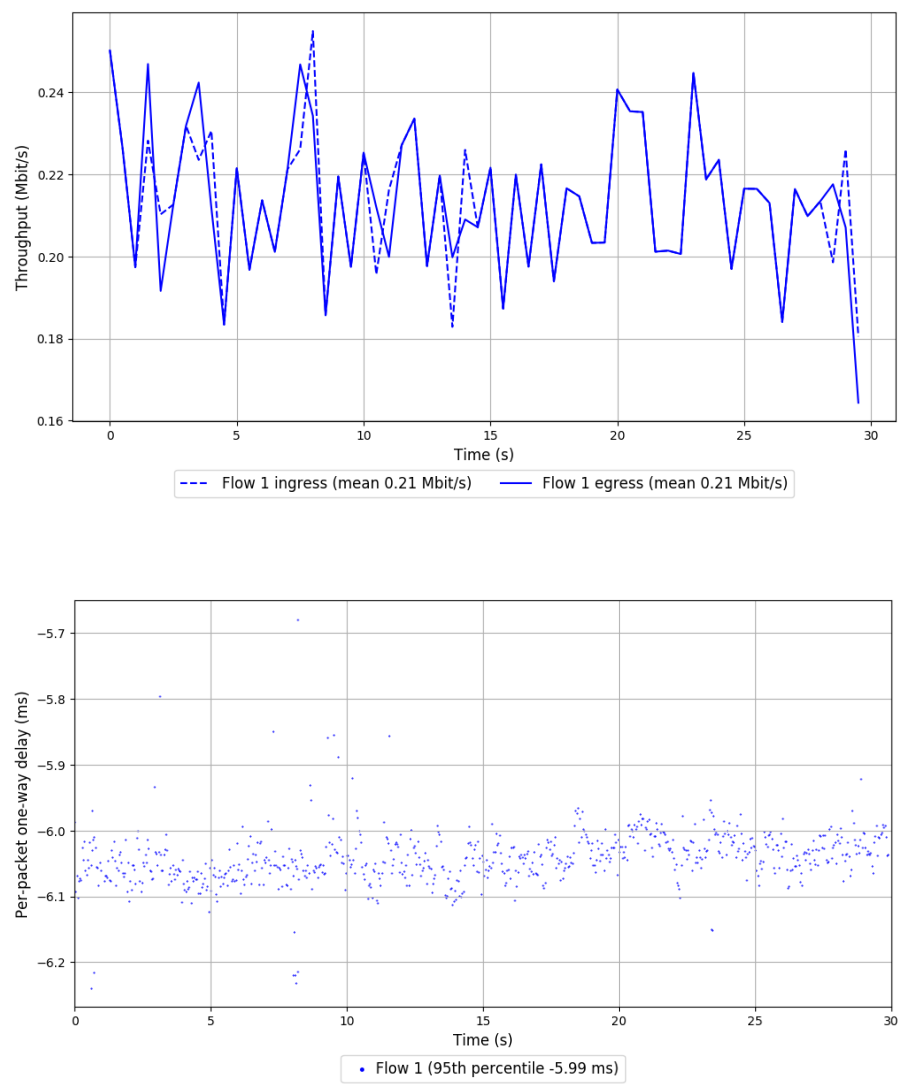


Run 7: Statistics of SCReAM

Start at: 2018-04-24 07:17:42
End at: 2018-04-24 07:18:12
Local clock offset: -14.344 ms
Remote clock offset: 11.779 ms

Below is generated by plot.py at 2018-04-24 11:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -5.986 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -5.986 ms
Loss rate: 0.13%

Run 7: Report of SReAM — Data Link

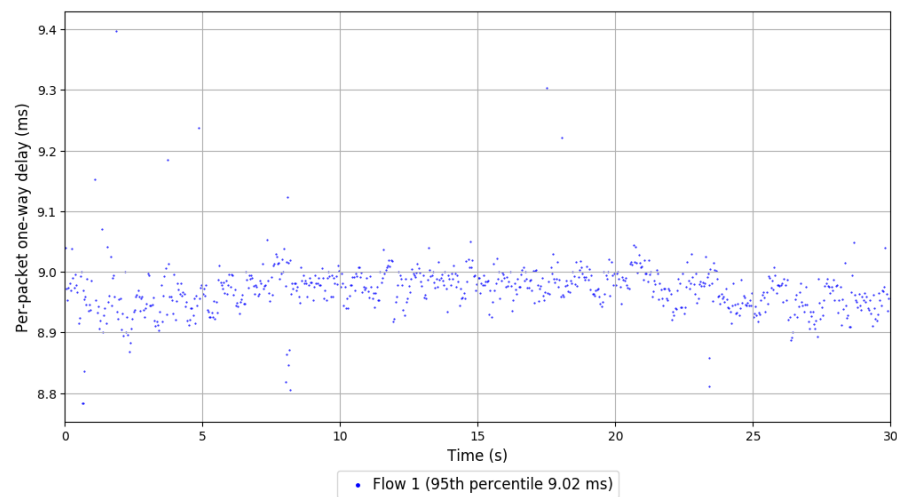
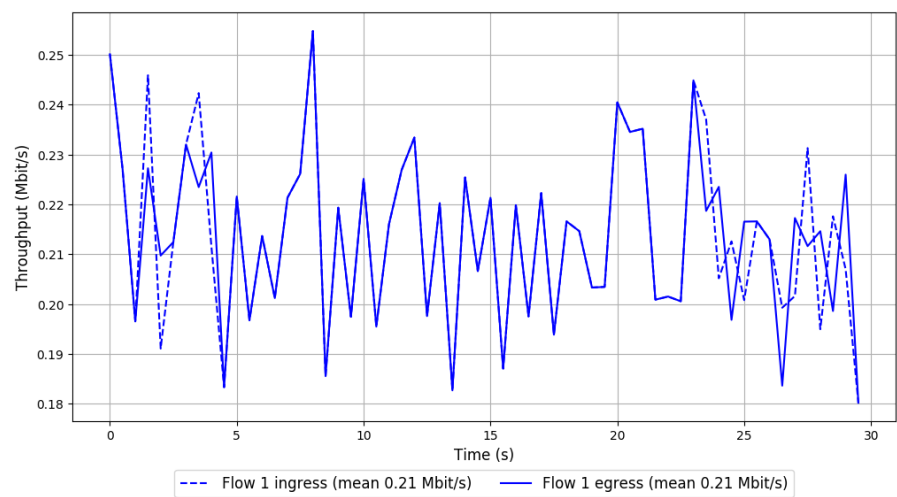


Run 8: Statistics of SCReAM

Start at: 2018-04-24 07:37:20
End at: 2018-04-24 07:37:50
Local clock offset: -11.681 ms
Remote clock offset: -2.879 ms

Below is generated by plot.py at 2018-04-24 11:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 9.018 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 9.018 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

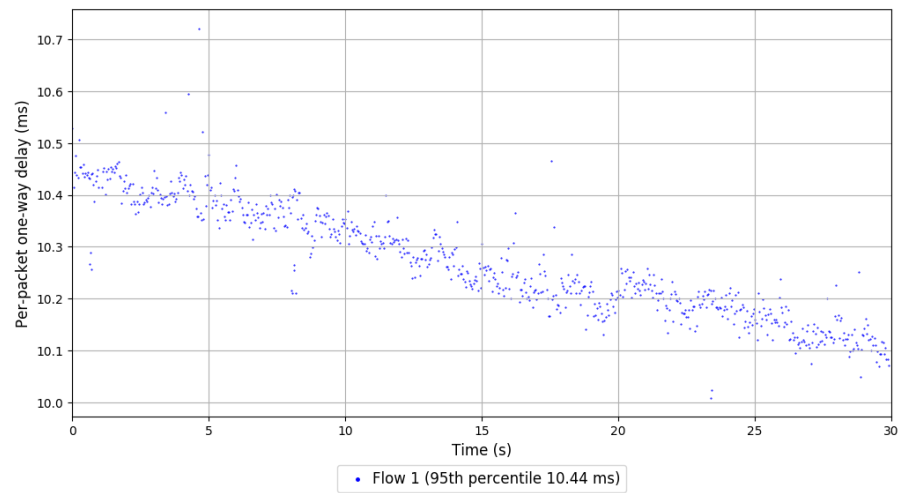
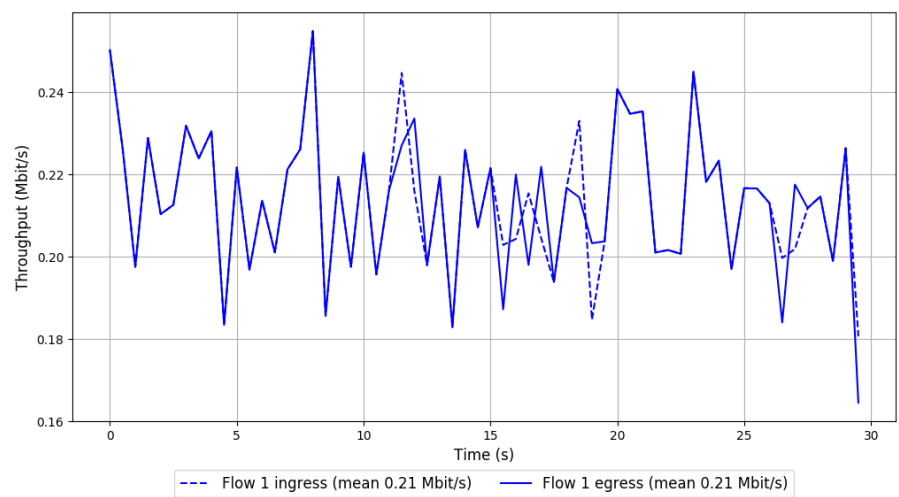


Run 9: Statistics of SCReAM

Start at: 2018-04-24 07:56:41
End at: 2018-04-24 07:57:11
Local clock offset: -12.527 ms
Remote clock offset: -7.464 ms

Below is generated by plot.py at 2018-04-24 11:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 10.438 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 10.438 ms
Loss rate: 0.13%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-04-24 08:16:24

End at: 2018-04-24 08:16:54

Local clock offset: -7.55 ms

Remote clock offset: 2.985 ms

Below is generated by plot.py at 2018-04-24 11:49:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 1.790 ms

Loss rate: 0.13%

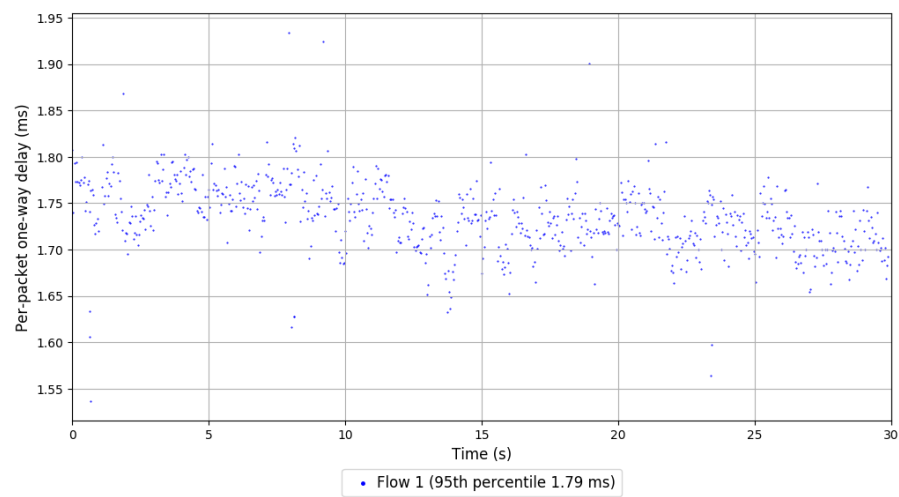
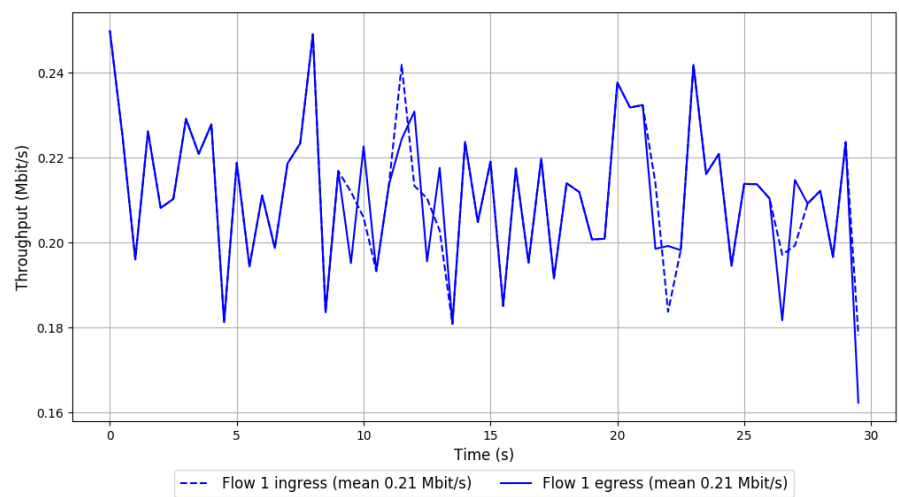
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 1.790 ms

Loss rate: 0.13%

Run 10: Report of SReAM — Data Link

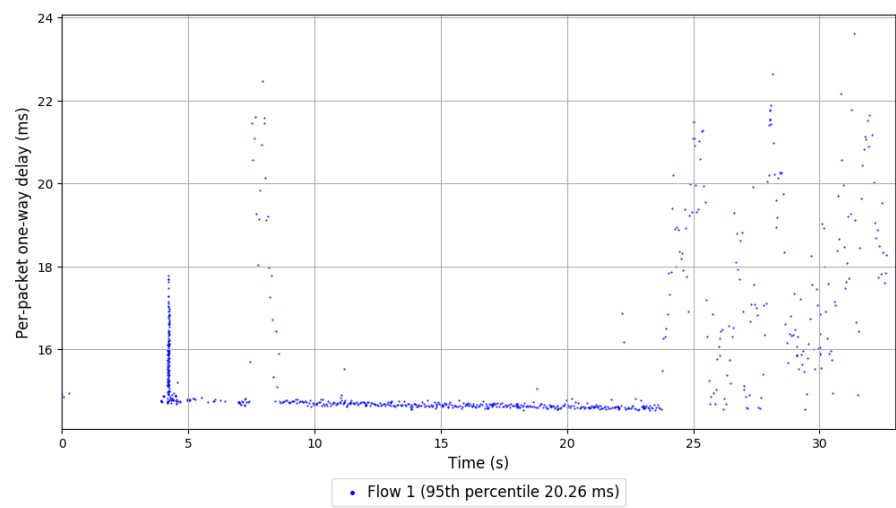
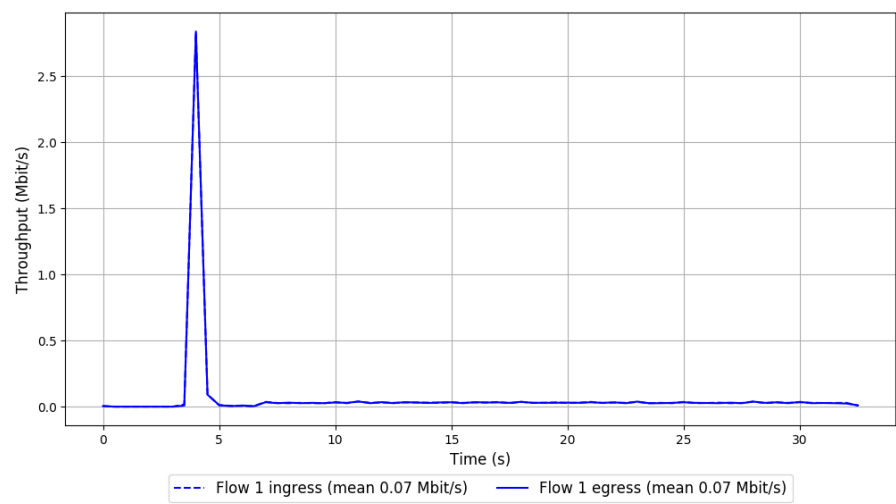


Run 1: Statistics of WebRTC media

Start at: 2018-04-24 05:07:59
End at: 2018-04-24 05:08:29
Local clock offset: -8.062 ms
Remote clock offset: -12.71 ms

Below is generated by plot.py at 2018-04-24 11:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 20.261 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 20.261 ms
Loss rate: 0.16%

Run 1: Report of WebRTC media — Data Link

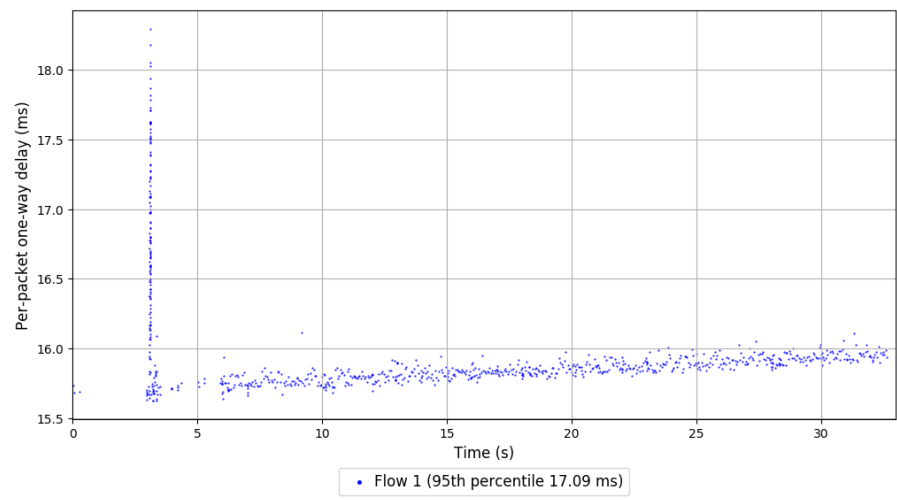
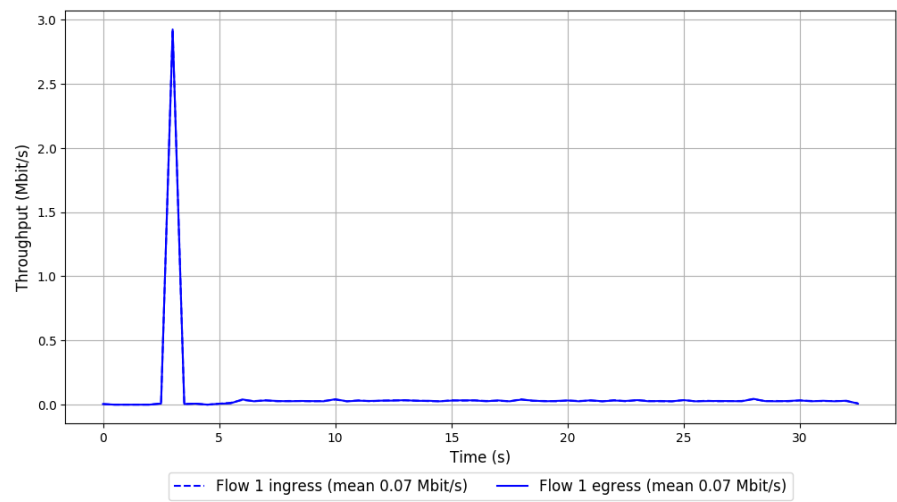


Run 2: Statistics of WebRTC media

Start at: 2018-04-24 05:27:52
End at: 2018-04-24 05:28:22
Local clock offset: -15.133 ms
Remote clock offset: -10.113 ms

Below is generated by plot.py at 2018-04-24 11:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 17.089 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 17.089 ms
Loss rate: 0.06%

Run 2: Report of WebRTC media — Data Link

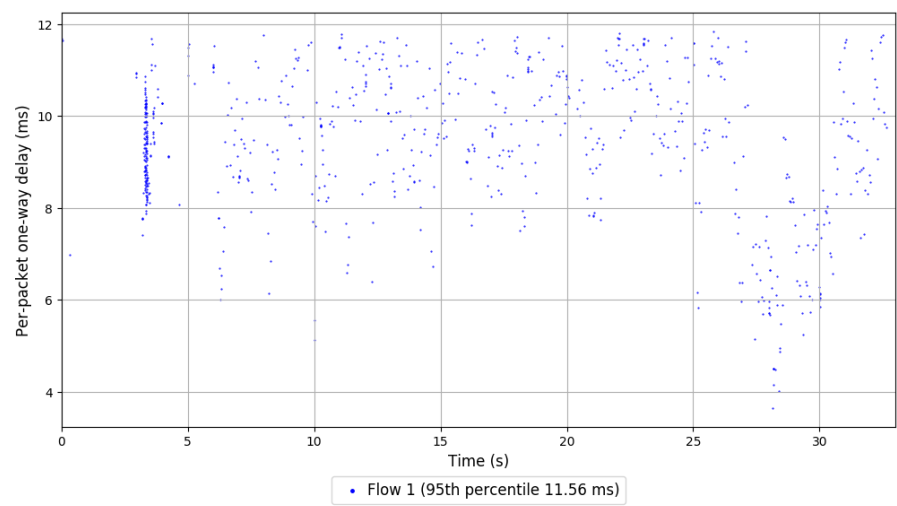
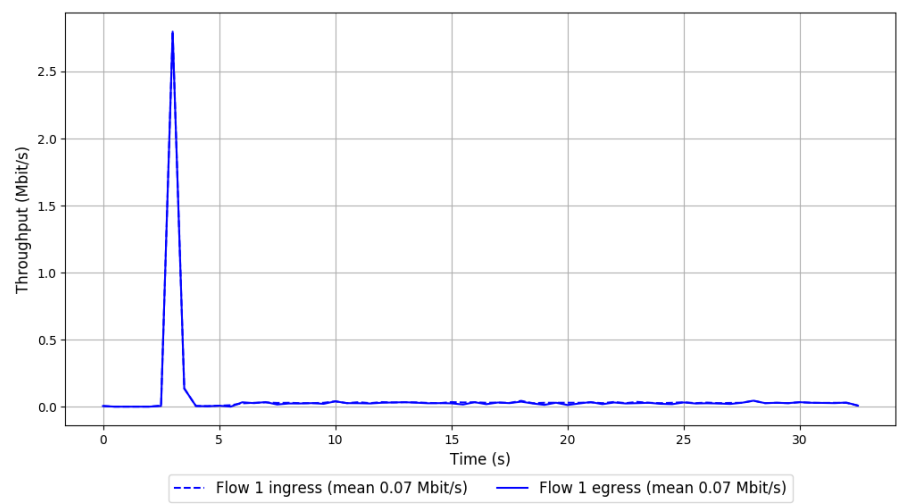


Run 3: Statistics of WebRTC media

Start at: 2018-04-24 05:47:48
End at: 2018-04-24 05:48:18
Local clock offset: -14.247 ms
Remote clock offset: 4.071 ms

Below is generated by plot.py at 2018-04-24 11:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 11.560 ms
Loss rate: 4.39%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 11.560 ms
Loss rate: 4.39%

Run 3: Report of WebRTC media — Data Link

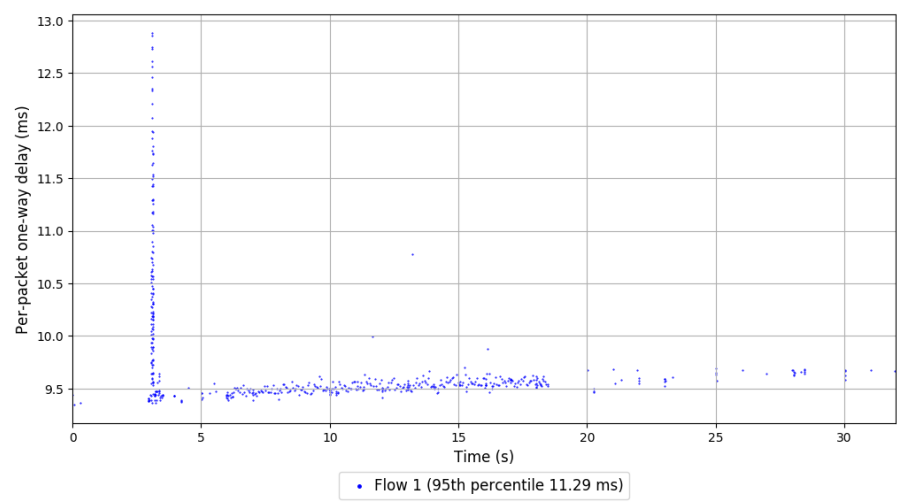
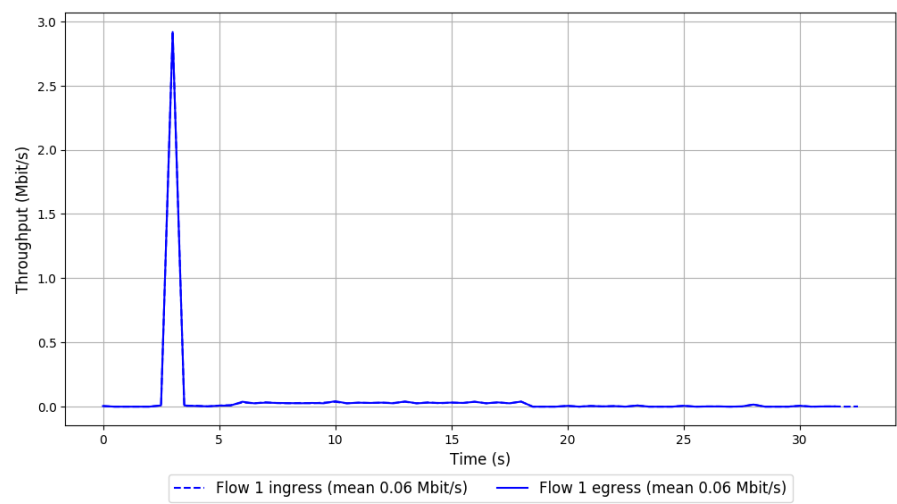


Run 4: Statistics of WebRTC media

Start at: 2018-04-24 06:07:42
End at: 2018-04-24 06:08:12
Local clock offset: -19.039 ms
Remote clock offset: 2.461 ms

Below is generated by plot.py at 2018-04-24 11:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 11.295 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 11.295 ms
Loss rate: 0.04%

Run 4: Report of WebRTC media — Data Link

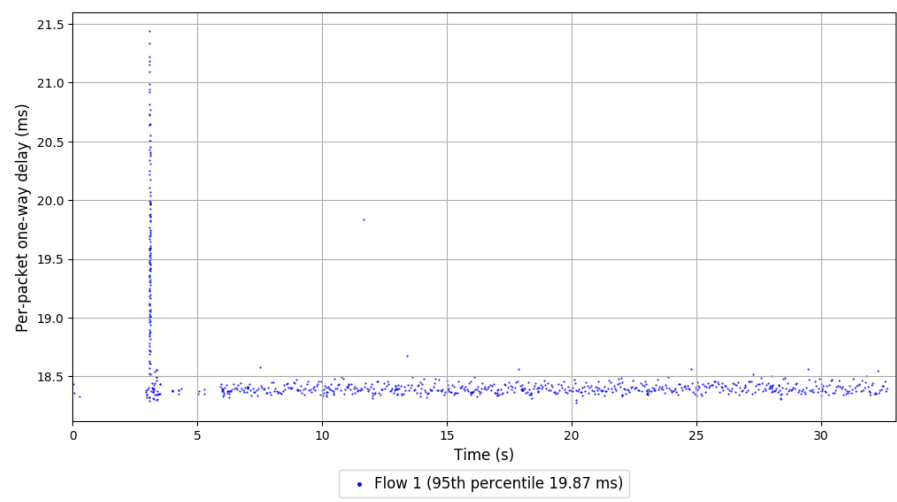
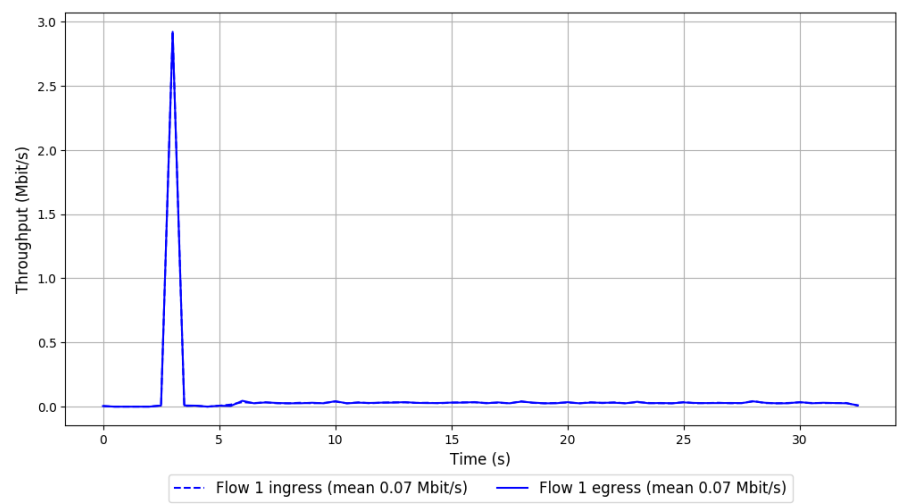


Run 5: Statistics of WebRTC media

Start at: 2018-04-24 06:27:33
End at: 2018-04-24 06:28:03
Local clock offset: -14.933 ms
Remote clock offset: -10.606 ms

Below is generated by plot.py at 2018-04-24 11:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 19.869 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 19.869 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

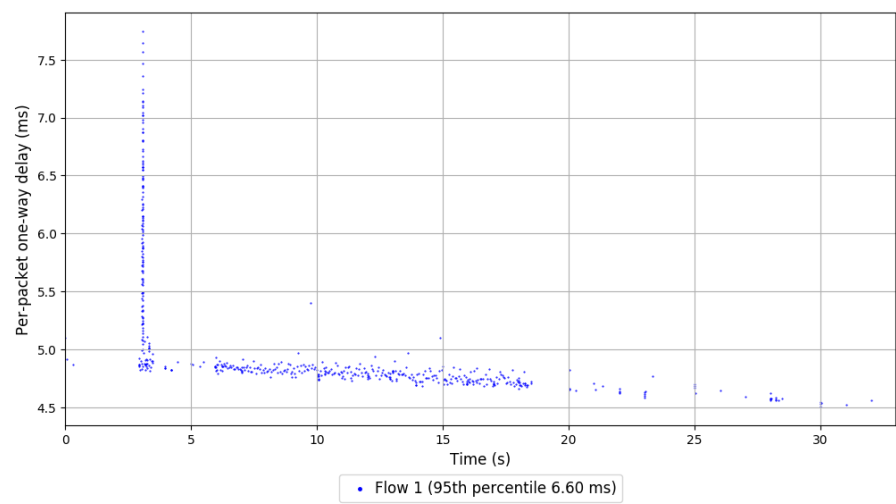
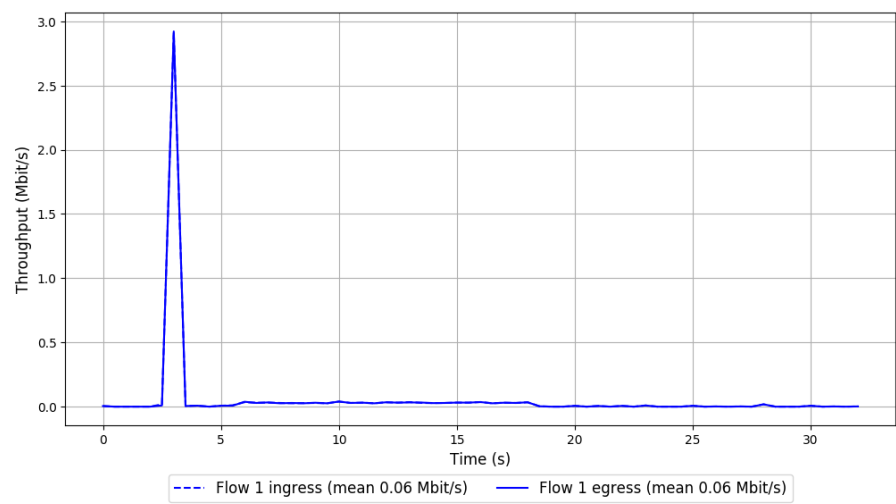


Run 6: Statistics of WebRTC media

Start at: 2018-04-24 06:47:25
End at: 2018-04-24 06:47:55
Local clock offset: -17.442 ms
Remote clock offset: 2.832 ms

Below is generated by plot.py at 2018-04-24 11:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 6.597 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 6.597 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

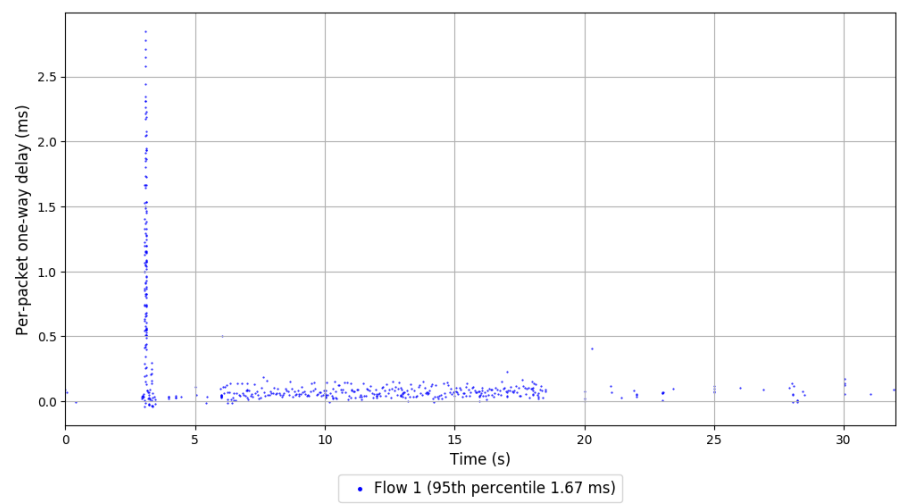
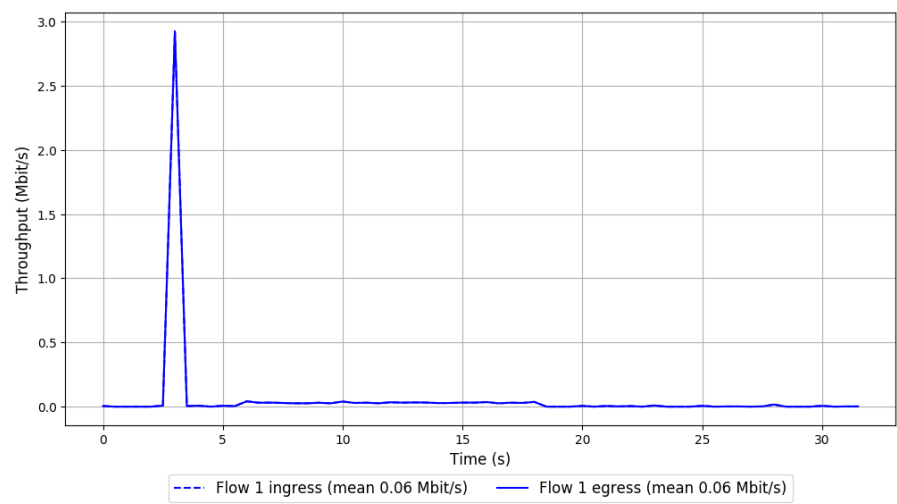


Run 7: Statistics of WebRTC media

Start at: 2018-04-24 07:07:18
End at: 2018-04-24 07:07:48
Local clock offset: -11.396 ms
Remote clock offset: 7.184 ms

Below is generated by plot.py at 2018-04-24 11:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 1.668 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 1.668 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

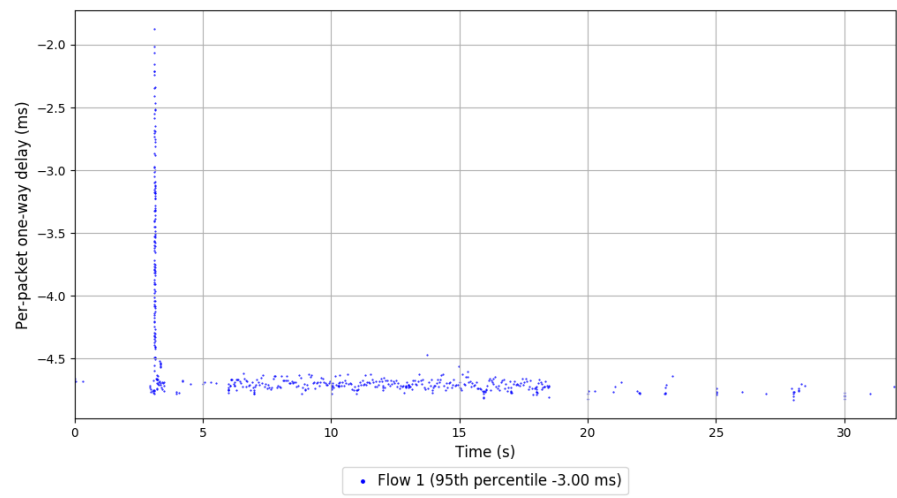
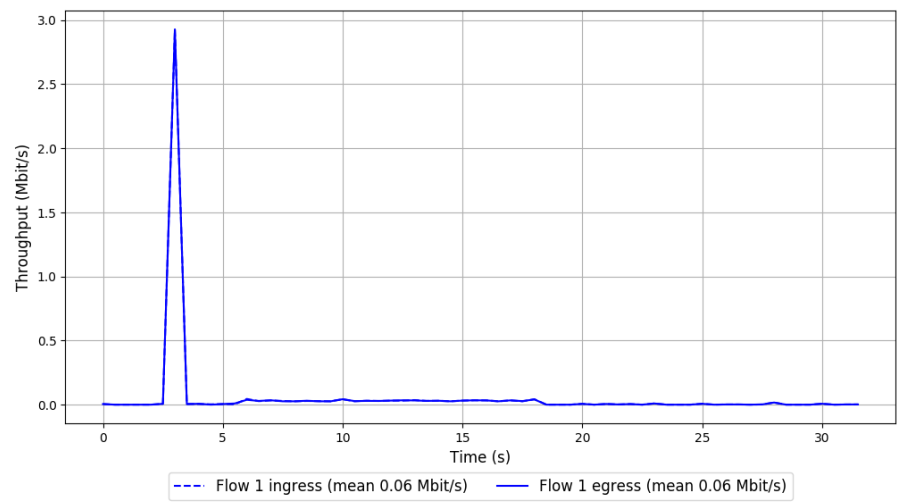


Run 8: Statistics of WebRTC media

Start at: 2018-04-24 07:26:53
End at: 2018-04-24 07:27:23
Local clock offset: -13.301 ms
Remote clock offset: 9.666 ms

Below is generated by plot.py at 2018-04-24 11:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: -3.003 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: -3.003 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

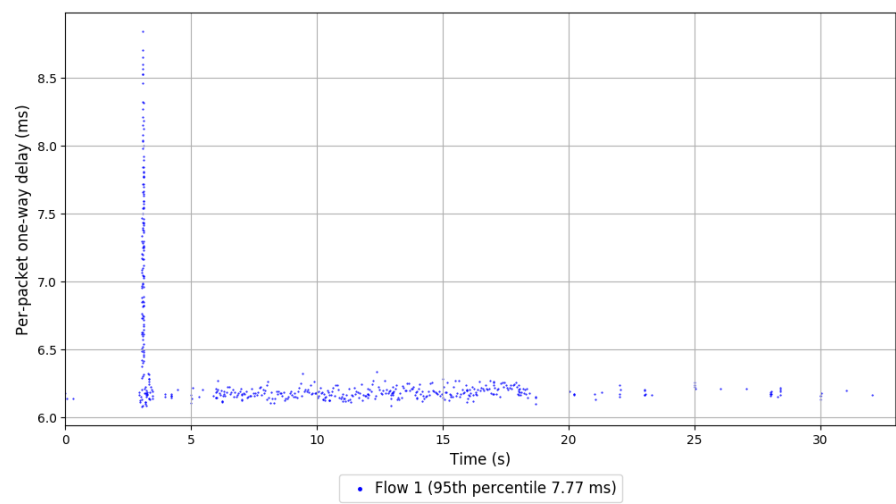
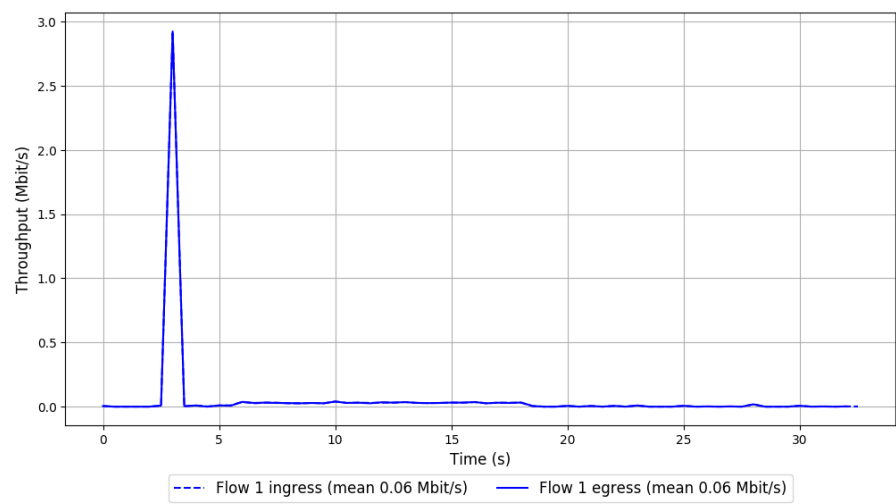


Run 9: Statistics of WebRTC media

Start at: 2018-04-24 07:46:27
End at: 2018-04-24 07:46:57
Local clock offset: -12.221 ms
Remote clock offset: -0.463 ms

Below is generated by plot.py at 2018-04-24 11:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 7.773 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 7.773 ms
Loss rate: 0.04%

Run 9: Report of WebRTC media — Data Link

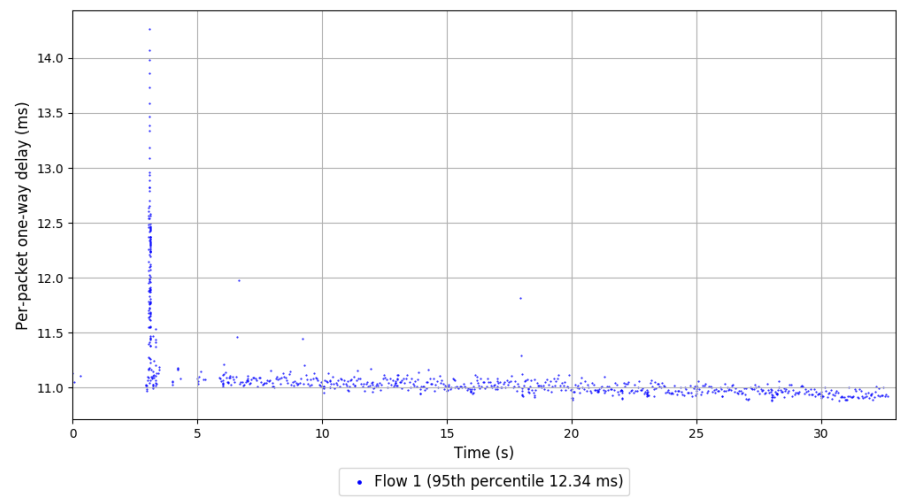
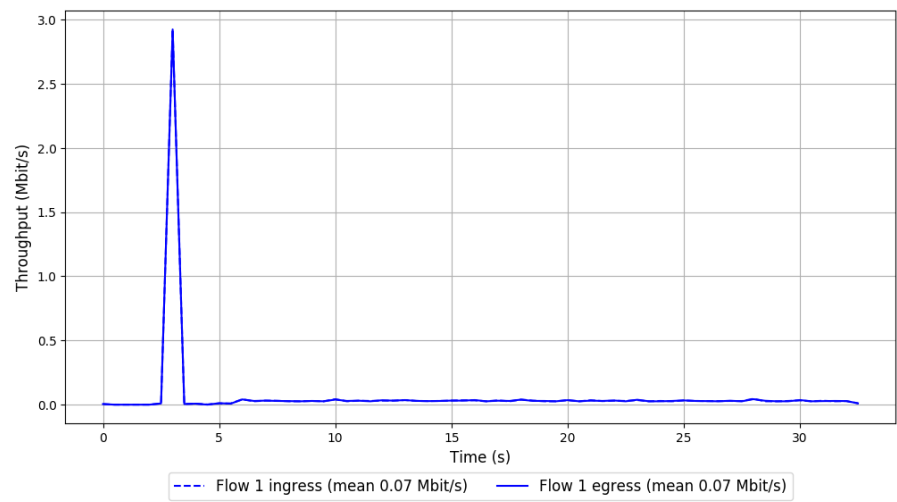


Run 10: Statistics of WebRTC media

Start at: 2018-04-24 08:05:47
End at: 2018-04-24 08:06:18
Local clock offset: -9.304 ms
Remote clock offset: -9.348 ms

Below is generated by plot.py at 2018-04-24 11:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 12.341 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 12.341 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

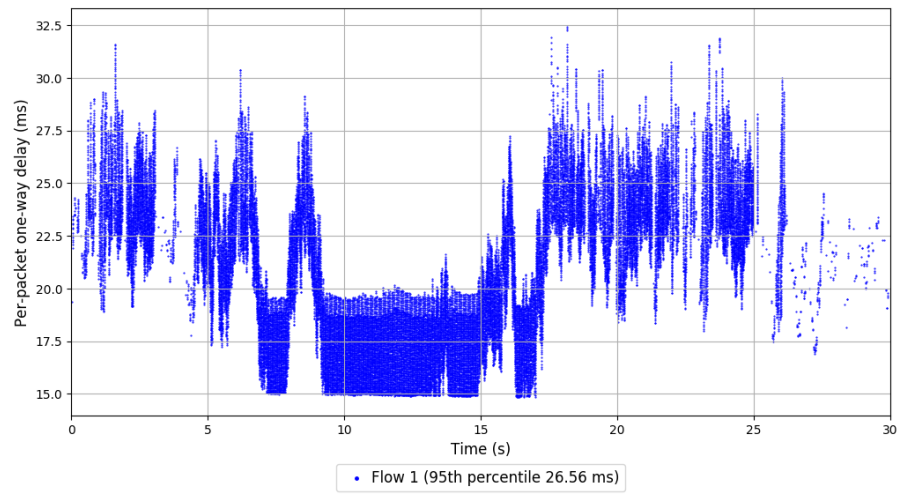
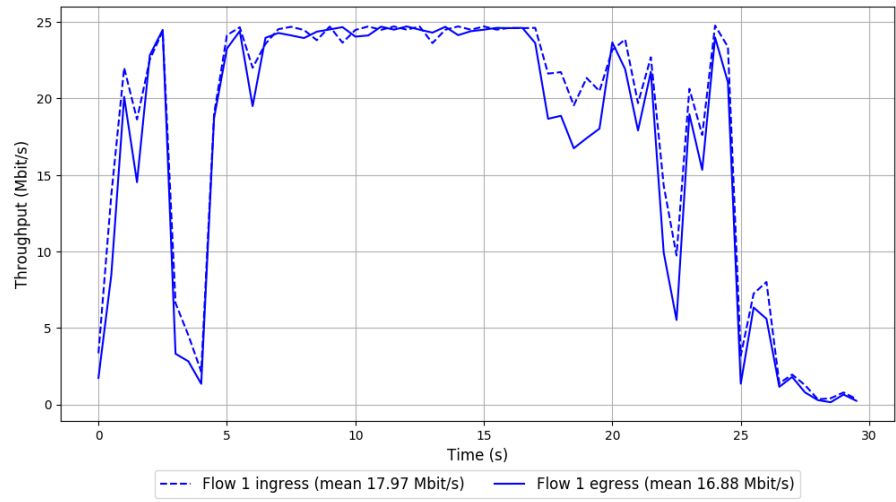


Run 1: Statistics of Sprout

Start at: 2018-04-24 05:20:58
End at: 2018-04-24 05:21:28
Local clock offset: -17.176 ms
Remote clock offset: -11.097 ms

Below is generated by plot.py at 2018-04-24 11:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 16.88 Mbit/s
95th percentile per-packet one-way delay: 26.561 ms
Loss rate: 6.05%
-- Flow 1:
Average throughput: 16.88 Mbit/s
95th percentile per-packet one-way delay: 26.561 ms
Loss rate: 6.05%

Run 1: Report of Sprout — Data Link

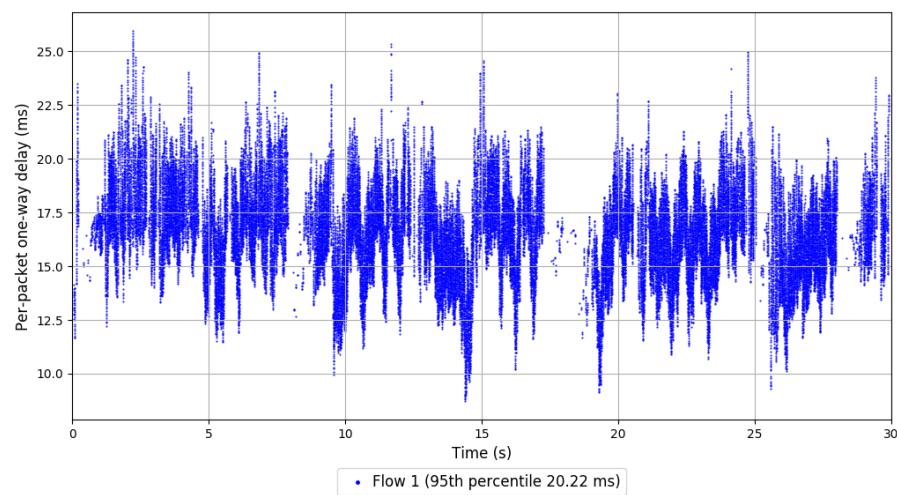
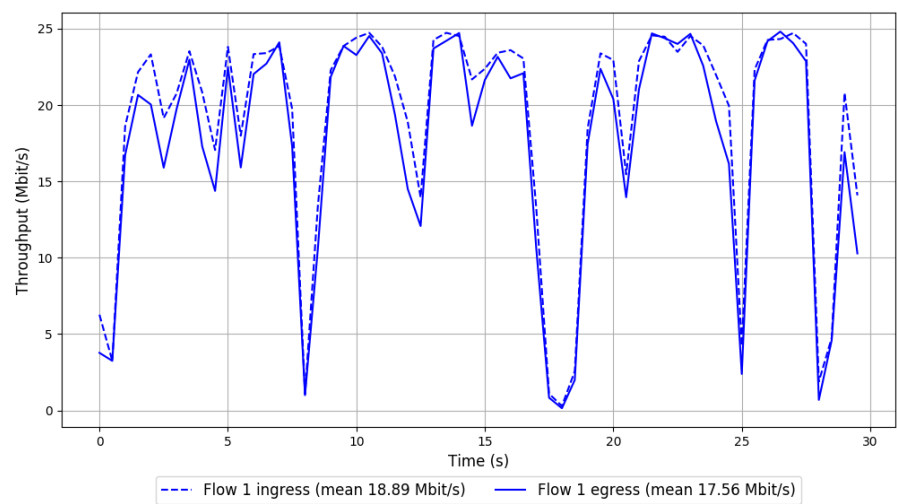


Run 2: Statistics of Sprout

Start at: 2018-04-24 05:40:55
End at: 2018-04-24 05:41:25
Local clock offset: -18.298 ms
Remote clock offset: -2.899 ms

Below is generated by plot.py at 2018-04-24 11:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 17.56 Mbit/s
95th percentile per-packet one-way delay: 20.224 ms
Loss rate: 7.19%
-- Flow 1:
Average throughput: 17.56 Mbit/s
95th percentile per-packet one-way delay: 20.224 ms
Loss rate: 7.19%

Run 2: Report of Sprout — Data Link

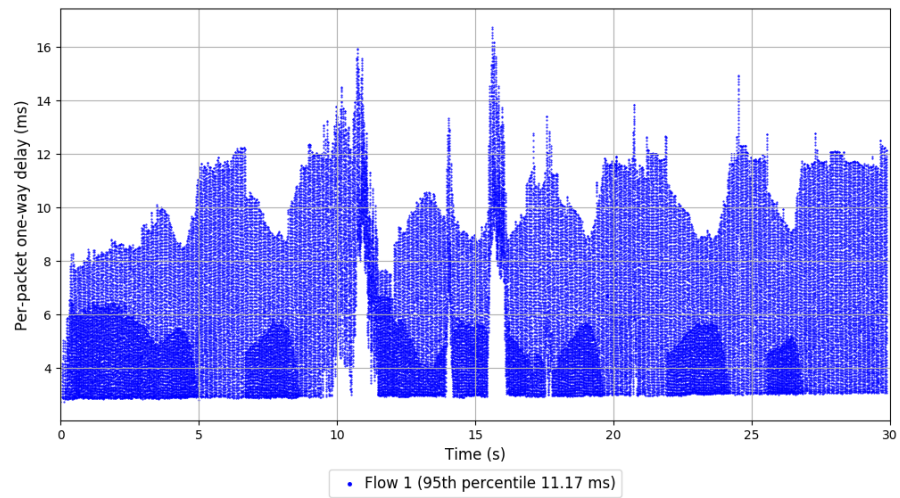
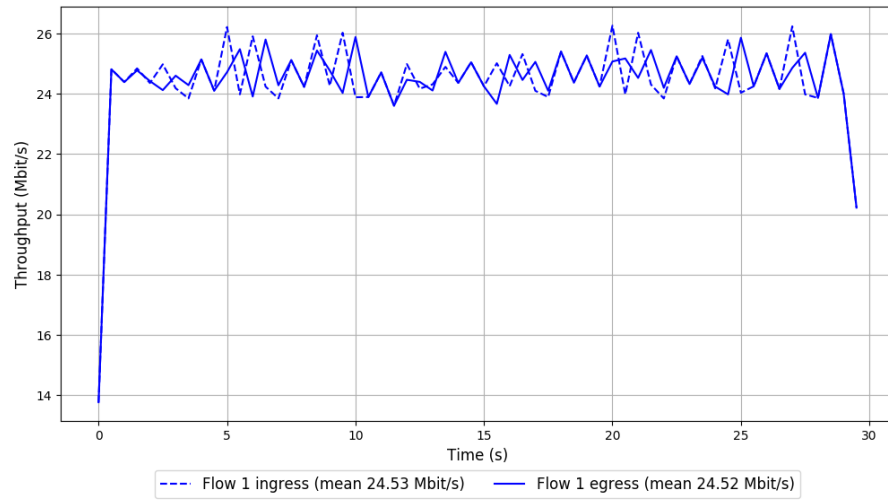


Run 3: Statistics of Sprout

Start at: 2018-04-24 06:00:41
End at: 2018-04-24 06:01:11
Local clock offset: -16.879 ms
Remote clock offset: 5.427 ms

Below is generated by plot.py at 2018-04-24 11:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.52 Mbit/s
95th percentile per-packet one-way delay: 11.174 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.52 Mbit/s
95th percentile per-packet one-way delay: 11.174 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

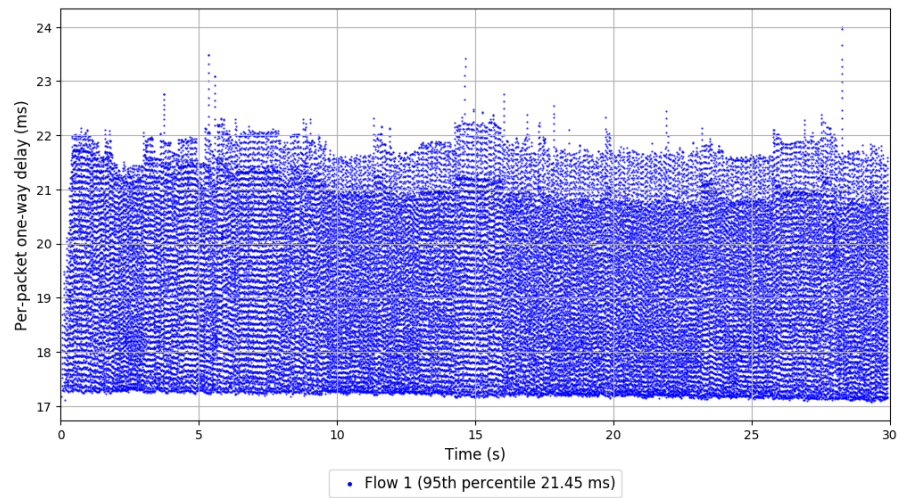
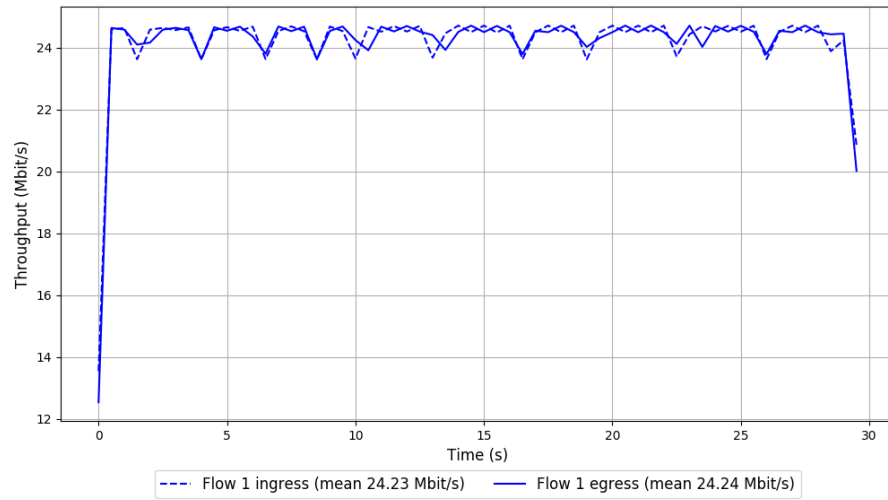


Run 4: Statistics of Sprout

Start at: 2018-04-24 06:20:31
End at: 2018-04-24 06:21:01
Local clock offset: -16.252 ms
Remote clock offset: -9.568 ms

Below is generated by plot.py at 2018-04-24 11:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.24 Mbit/s
95th percentile per-packet one-way delay: 21.454 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 24.24 Mbit/s
95th percentile per-packet one-way delay: 21.454 ms
Loss rate: 0.08%

Run 4: Report of Sprout — Data Link

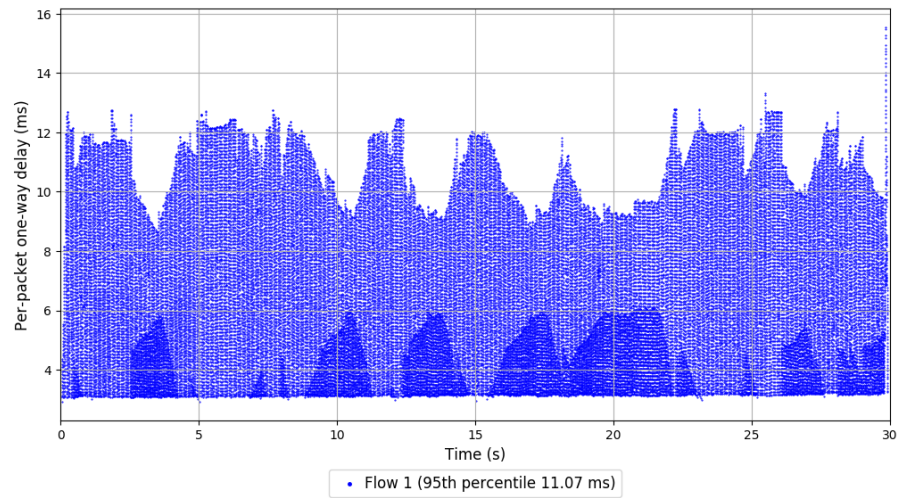
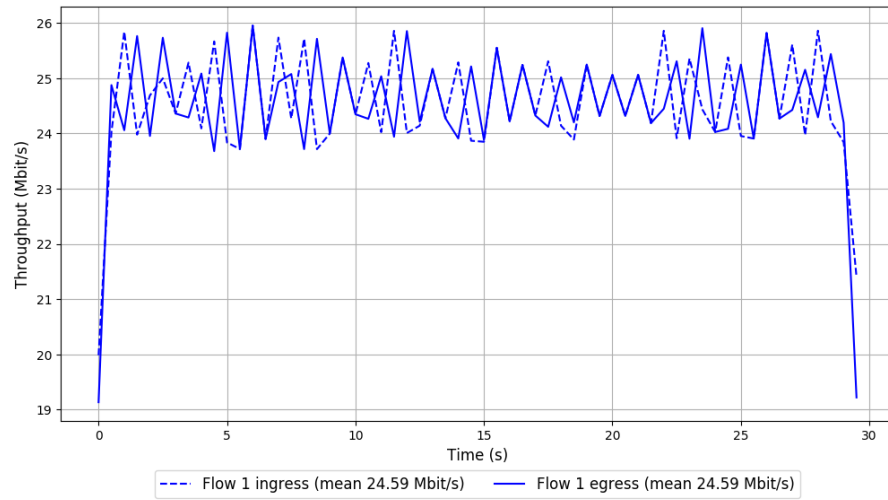


Run 5: Statistics of Sprout

Start at: 2018-04-24 06:40:12
End at: 2018-04-24 06:40:42
Local clock offset: -17.153 ms
Remote clock offset: 4.389 ms

Below is generated by plot.py at 2018-04-24 11:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 11.067 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 11.067 ms
Loss rate: 0.15%

Run 5: Report of Sprout — Data Link

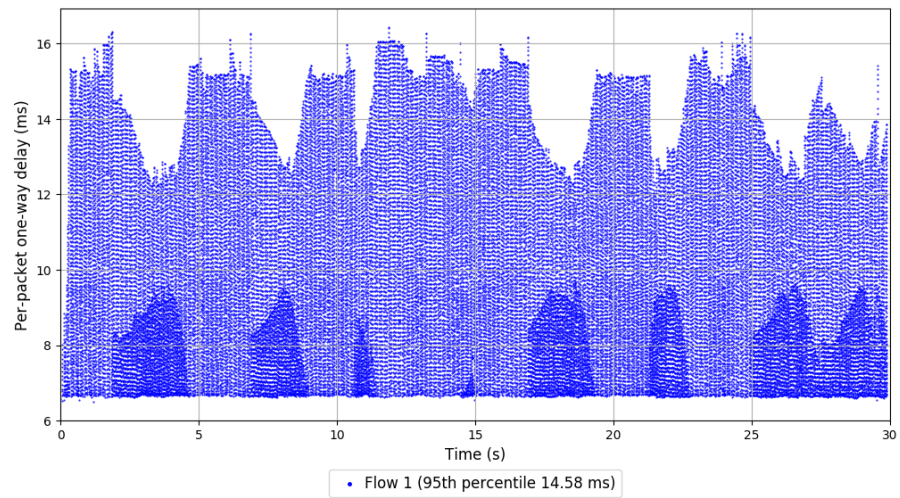
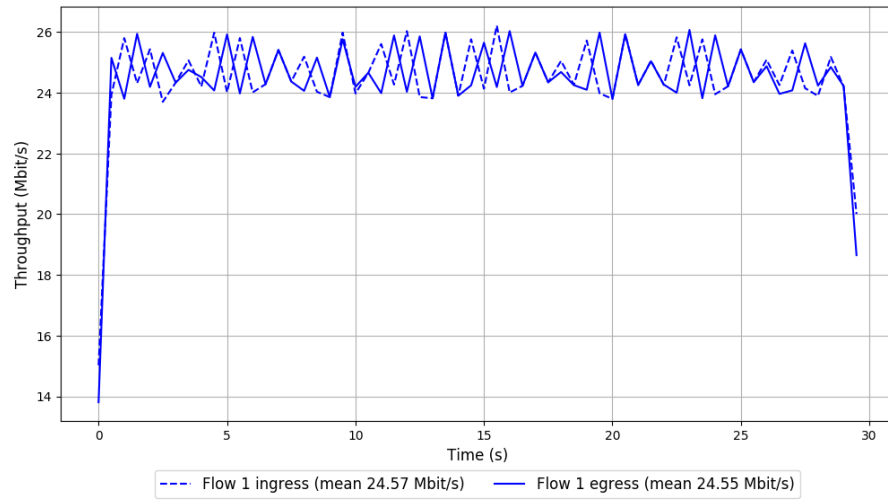


Run 6: Statistics of Sprout

Start at: 2018-04-24 07:00:21
End at: 2018-04-24 07:00:51
Local clock offset: -11.734 ms
Remote clock offset: 3.253 ms

Below is generated by plot.py at 2018-04-24 11:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: 14.576 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: 14.576 ms
Loss rate: 0.11%

Run 6: Report of Sprout — Data Link

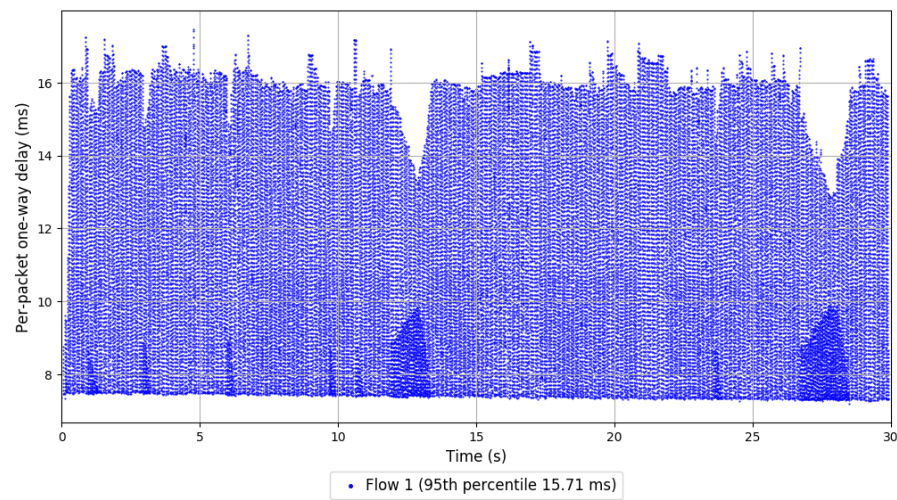
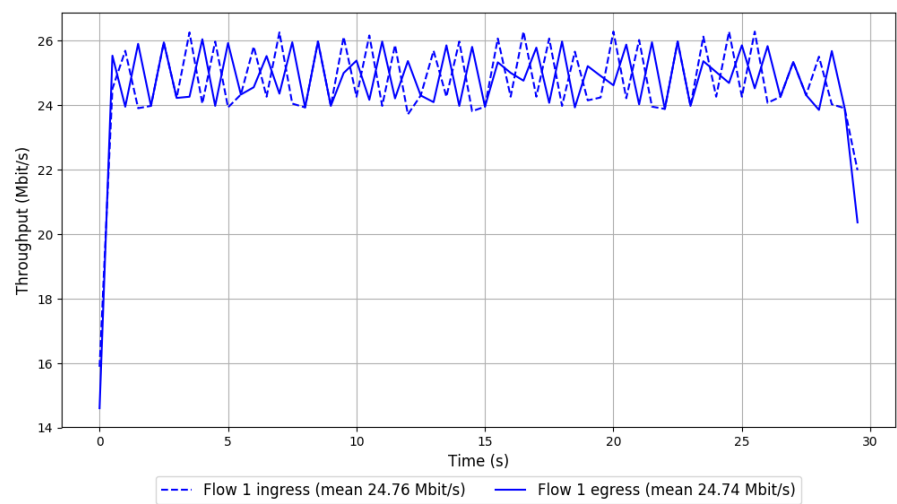


Run 7: Statistics of Sprout

Start at: 2018-04-24 07:19:57
End at: 2018-04-24 07:20:27
Local clock offset: -12.543 ms
Remote clock offset: 0.249 ms

Below is generated by plot.py at 2018-04-24 11:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 15.709 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 15.709 ms
Loss rate: 0.11%

Run 7: Report of Sprout — Data Link

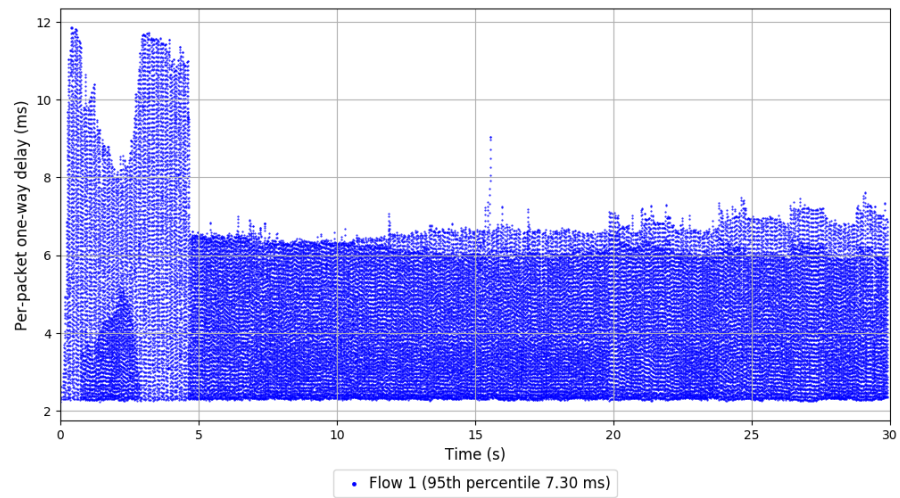
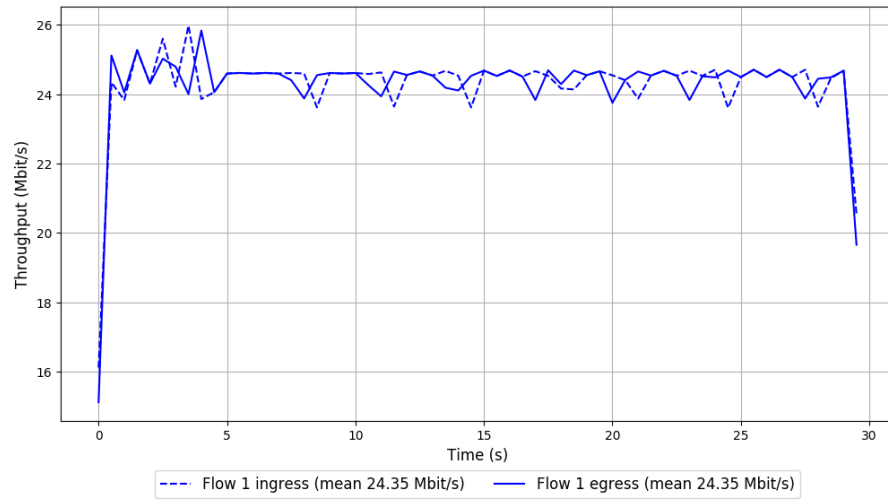


Run 8: Statistics of Sprout

Start at: 2018-04-24 07:39:34
End at: 2018-04-24 07:40:04
Local clock offset: -11.506 ms
Remote clock offset: 4.028 ms

Below is generated by plot.py at 2018-04-24 11:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.35 Mbit/s
95th percentile per-packet one-way delay: 7.296 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 24.35 Mbit/s
95th percentile per-packet one-way delay: 7.296 ms
Loss rate: 0.06%

Run 8: Report of Sprout — Data Link

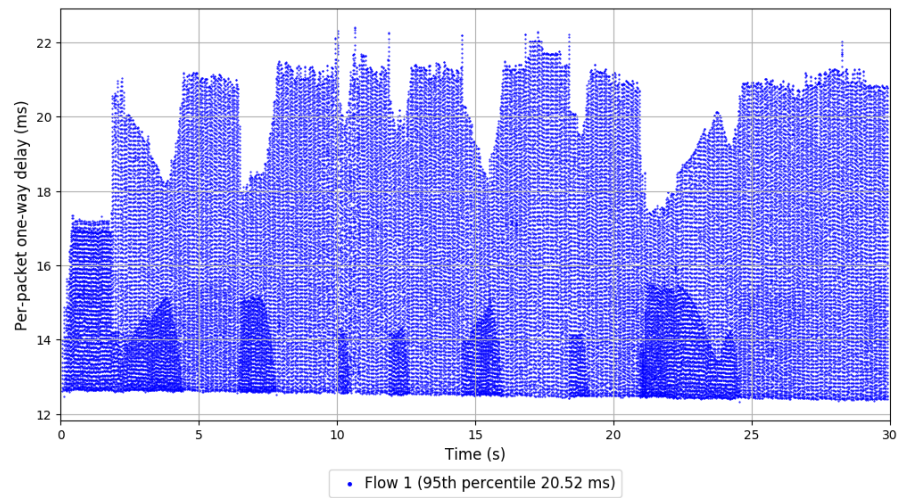
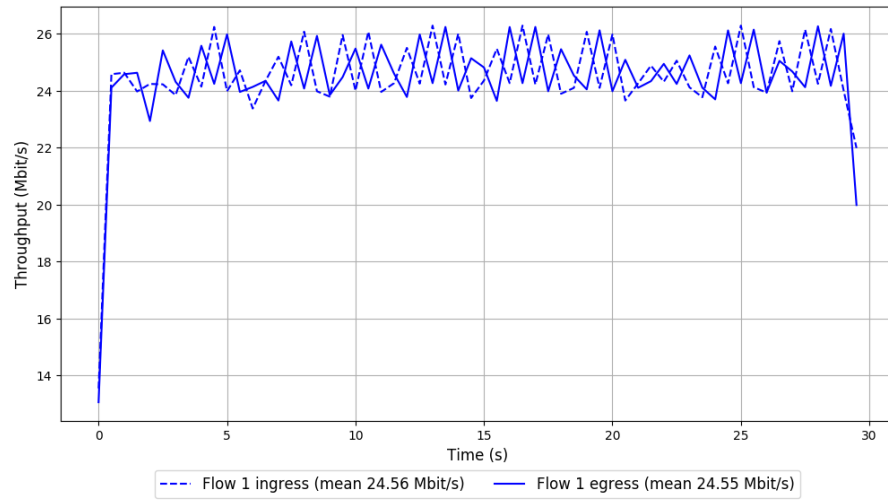


Run 9: Statistics of Sprout

Start at: 2018-04-24 07:58:54
End at: 2018-04-24 07:59:24
Local clock offset: -9.371 ms
Remote clock offset: -7.944 ms

Below is generated by plot.py at 2018-04-24 11:49:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: 20.517 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: 20.517 ms
Loss rate: 0.14%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-04-24 08:18:39

End at: 2018-04-24 08:19:09

Local clock offset: -7.871 ms

Remote clock offset: 3.501 ms

Below is generated by plot.py at 2018-04-24 11:49:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.50 Mbit/s

95th percentile per-packet one-way delay: 8.306 ms

Loss rate: 0.13%

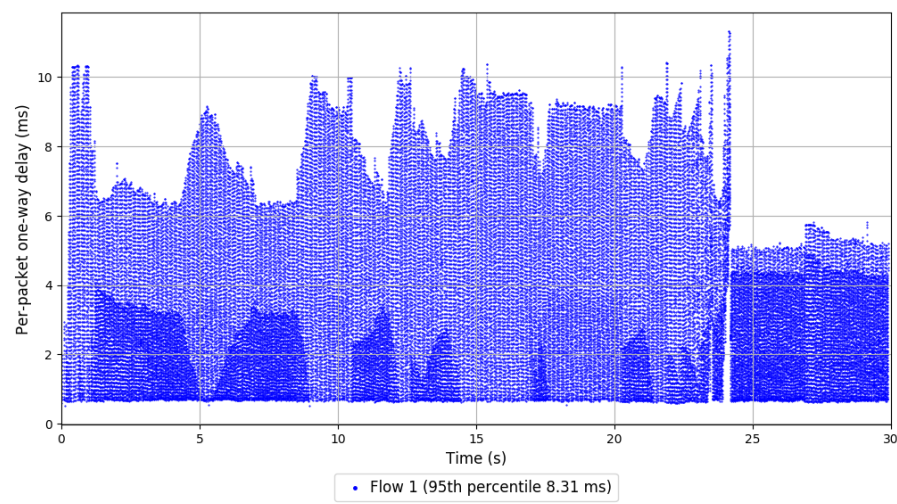
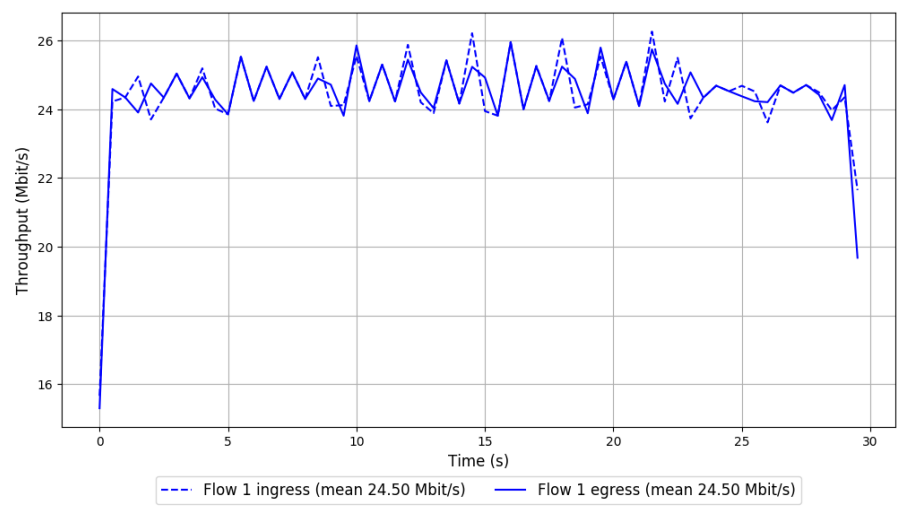
-- Flow 1:

Average throughput: 24.50 Mbit/s

95th percentile per-packet one-way delay: 8.306 ms

Loss rate: 0.13%

Run 10: Report of Sprout — Data Link

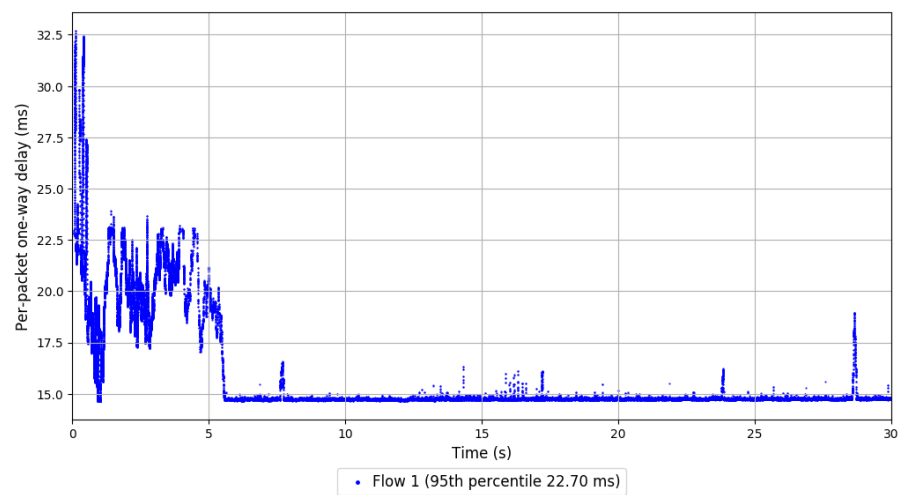
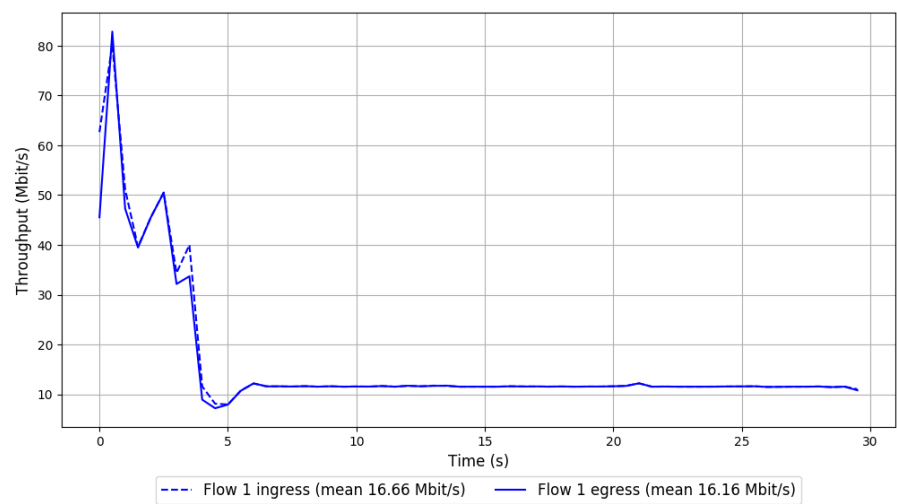


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-04-24 05:24:27
End at: 2018-04-24 05:24:57
Local clock offset: -15.302 ms
Remote clock offset: -10.114 ms

# Below is generated by plot.py at 2018-04-24 11:49:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.16 Mbit/s
95th percentile per-packet one-way delay: 22.700 ms
Loss rate: 3.09%
-- Flow 1:
Average throughput: 16.16 Mbit/s
95th percentile per-packet one-way delay: 22.700 ms
Loss rate: 3.09%
```

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

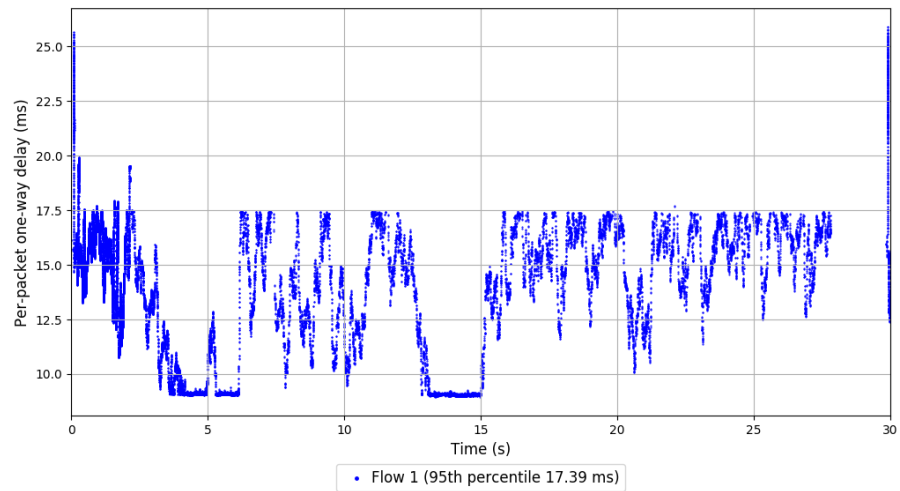
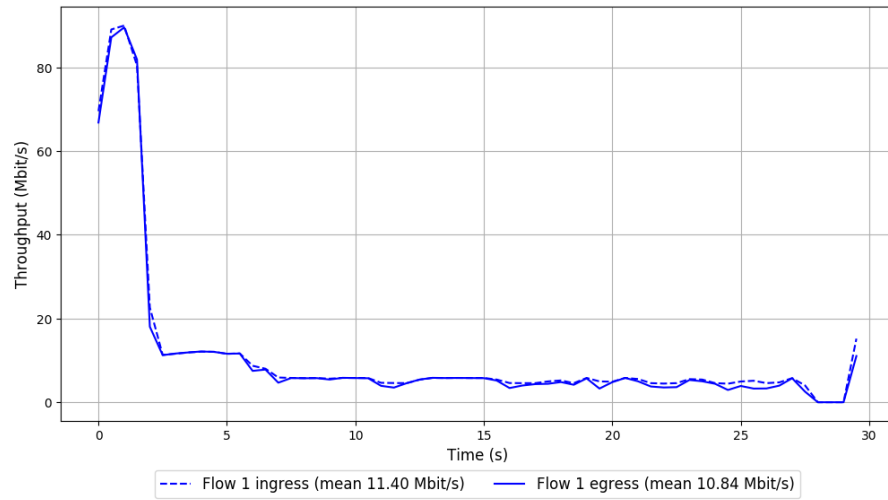


Run 2: Statistics of TaoVA-100x

Start at: 2018-04-24 05:44:24
End at: 2018-04-24 05:44:54
Local clock offset: -14.557 ms
Remote clock offset: -1.292 ms

Below is generated by plot.py at 2018-04-24 11:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.84 Mbit/s
95th percentile per-packet one-way delay: 17.394 ms
Loss rate: 5.06%
-- Flow 1:
Average throughput: 10.84 Mbit/s
95th percentile per-packet one-way delay: 17.394 ms
Loss rate: 5.06%

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

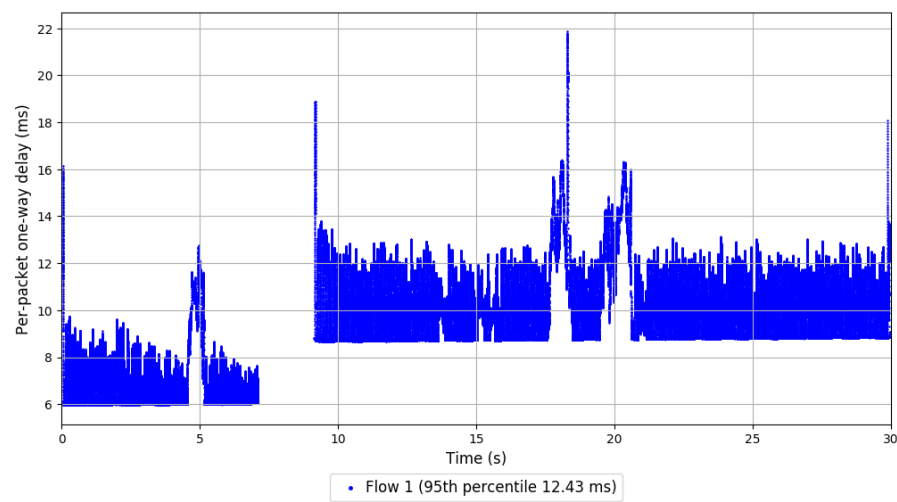
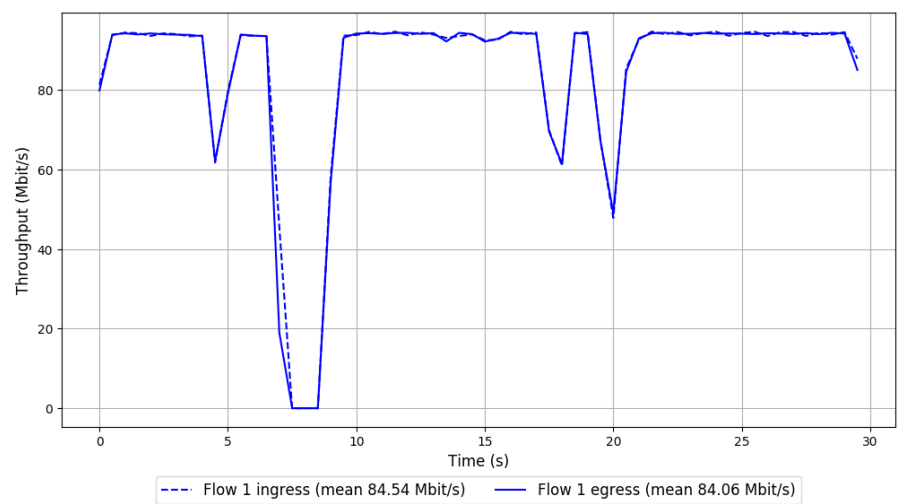


Run 3: Statistics of TaoVA-100x

Start at: 2018-04-24 06:04:09
End at: 2018-04-24 06:04:39
Local clock offset: -17.831 ms
Remote clock offset: 2.909 ms

Below is generated by plot.py at 2018-04-24 11:51:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.06 Mbit/s
95th percentile per-packet one-way delay: 12.426 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 84.06 Mbit/s
95th percentile per-packet one-way delay: 12.426 ms
Loss rate: 0.65%

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

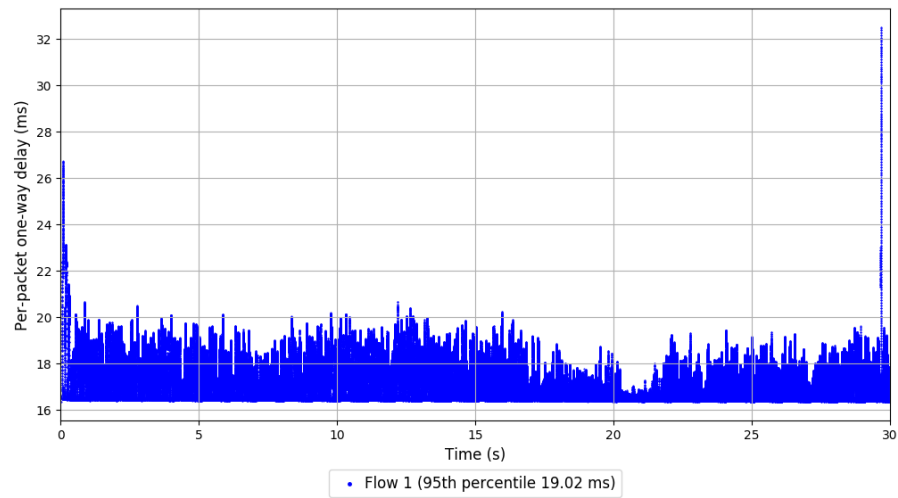
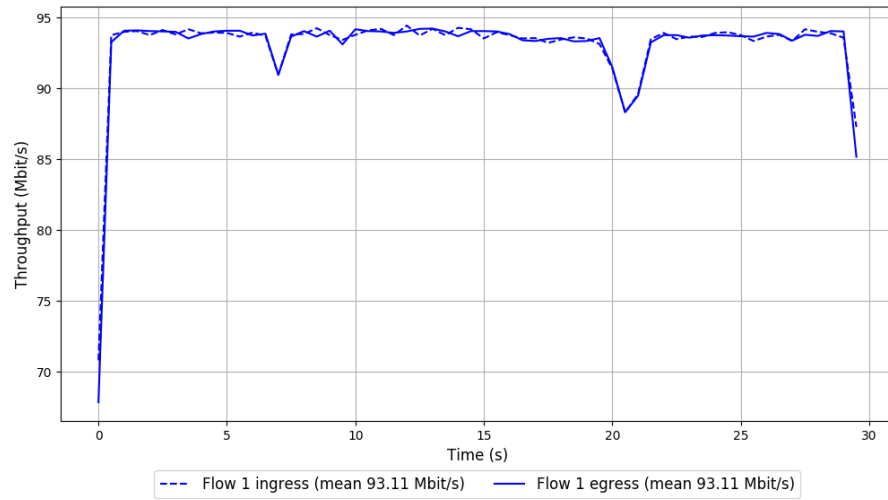


Run 4: Statistics of TaoVA-100x

Start at: 2018-04-24 06:23:59
End at: 2018-04-24 06:24:29
Local clock offset: -15.951 ms
Remote clock offset: -9.35 ms

Below is generated by plot.py at 2018-04-24 11:51:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.11 Mbit/s
95th percentile per-packet one-way delay: 19.017 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 93.11 Mbit/s
95th percentile per-packet one-way delay: 19.017 ms
Loss rate: 0.09%

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

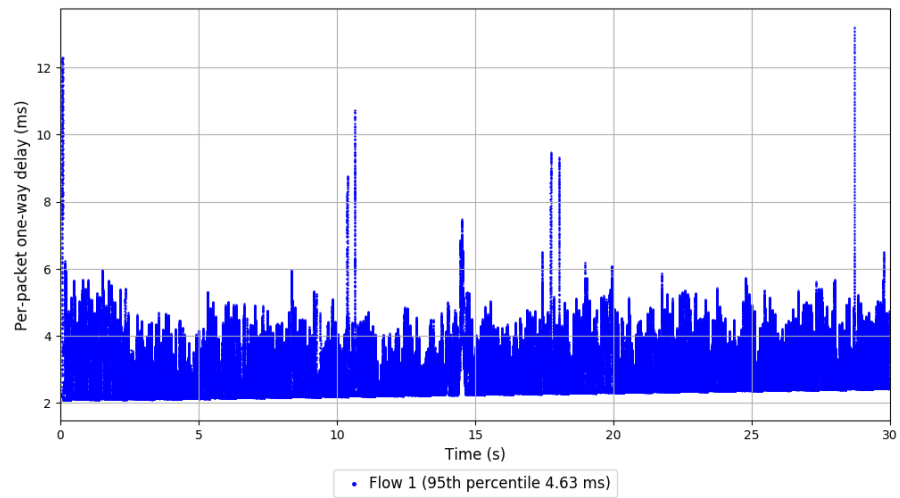
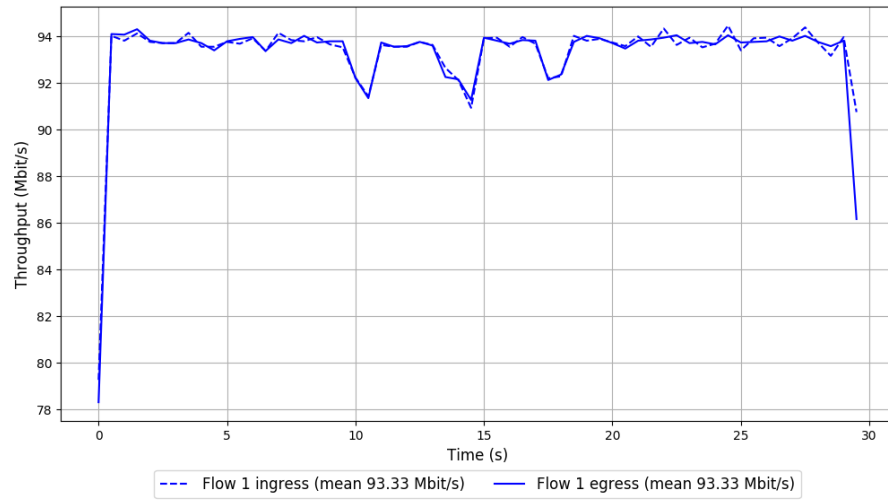


Run 5: Statistics of TaoVA-100x

Start at: 2018-04-24 06:43:49
End at: 2018-04-24 06:44:19
Local clock offset: -19.096 ms
Remote clock offset: 4.203 ms

Below is generated by plot.py at 2018-04-24 11:51:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.33 Mbit/s
95th percentile per-packet one-way delay: 4.628 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 93.33 Mbit/s
95th percentile per-packet one-way delay: 4.628 ms
Loss rate: 0.09%

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

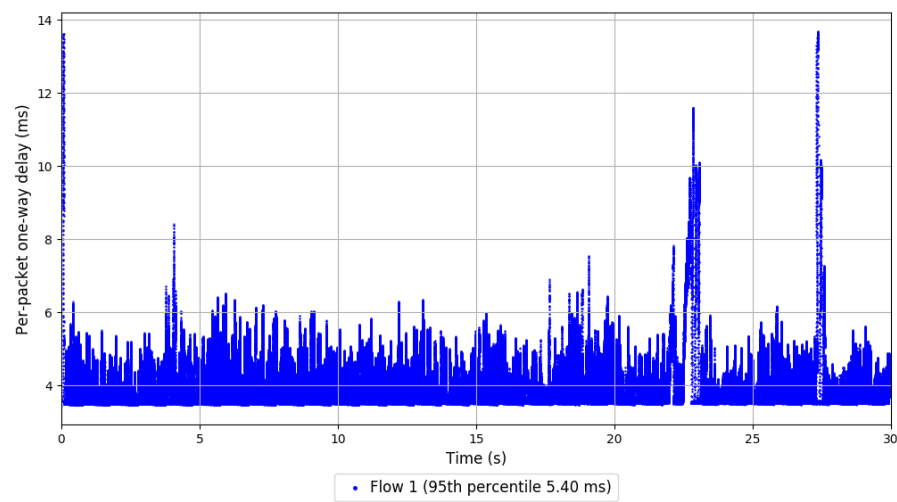
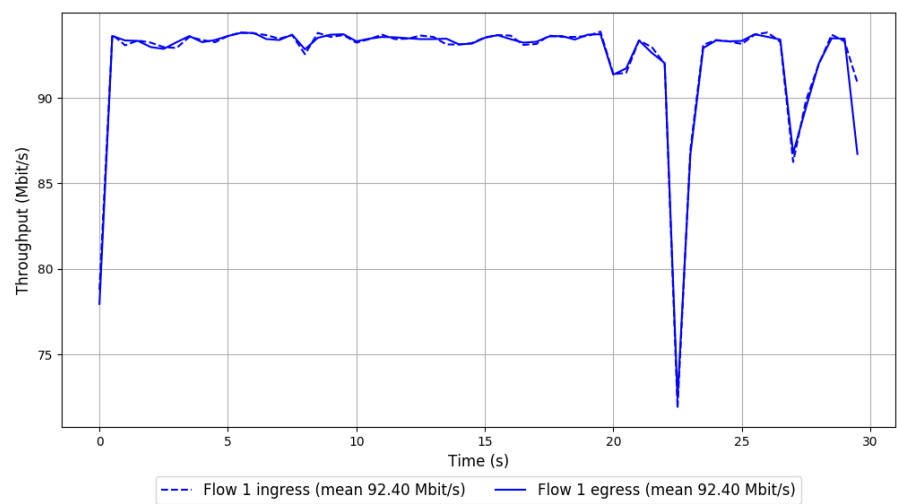


Run 6: Statistics of TaoVA-100x

Start at: 2018-04-24 07:03:49
End at: 2018-04-24 07:04:19
Local clock offset: -11.757 ms
Remote clock offset: 6.317 ms

Below is generated by plot.py at 2018-04-24 11:51:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.40 Mbit/s
95th percentile per-packet one-way delay: 5.400 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 92.40 Mbit/s
95th percentile per-packet one-way delay: 5.400 ms
Loss rate: 0.09%

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

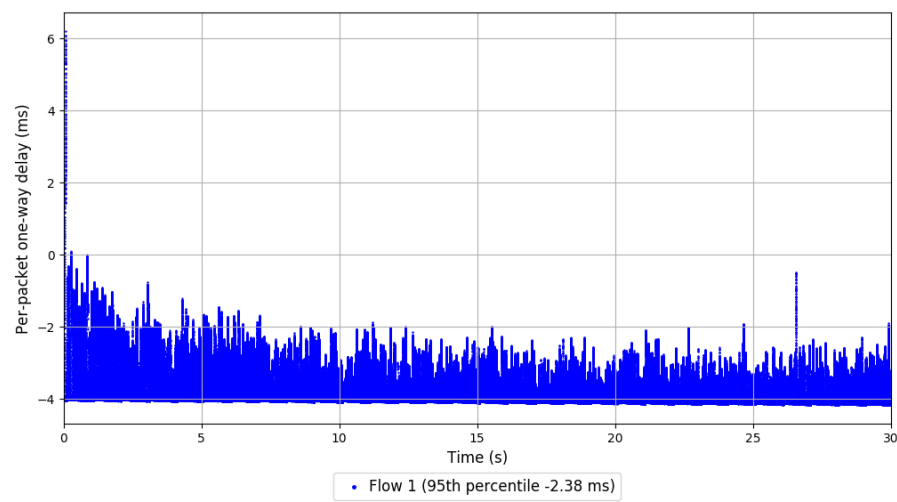
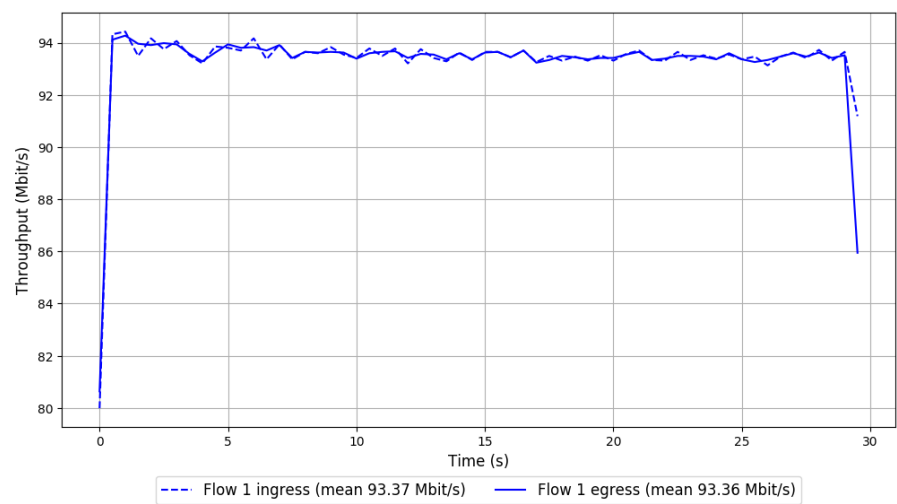


Run 7: Statistics of TaoVA-100x

Start at: 2018-04-24 07:23:23
End at: 2018-04-24 07:23:53
Local clock offset: -13.274 ms
Remote clock offset: 9.808 ms

Below is generated by plot.py at 2018-04-24 11:51:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.36 Mbit/s
95th percentile per-packet one-way delay: -2.380 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 93.36 Mbit/s
95th percentile per-packet one-way delay: -2.380 ms
Loss rate: 0.08%

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

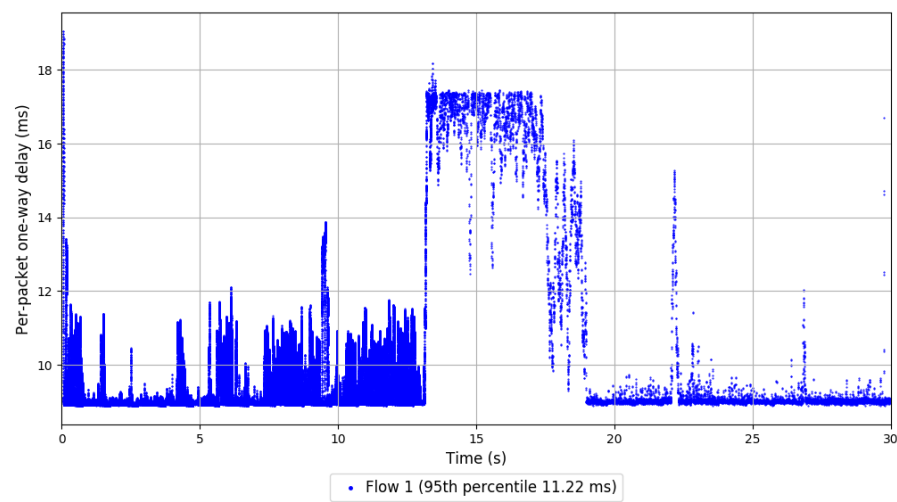
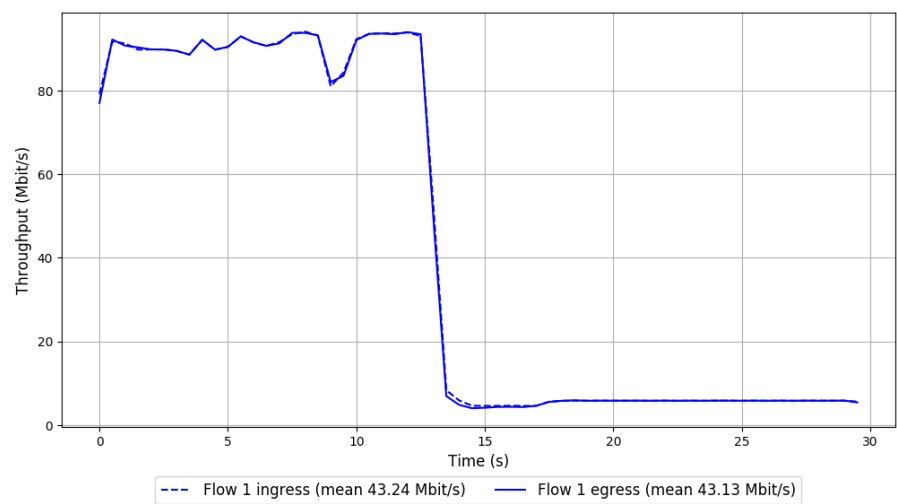


Run 8: Statistics of TaoVA-100x

Start at: 2018-04-24 07:42:59
End at: 2018-04-24 07:43:29
Local clock offset: -14.864 ms
Remote clock offset: -5.91 ms

Below is generated by plot.py at 2018-04-24 11:51:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 43.13 Mbit/s
95th percentile per-packet one-way delay: 11.221 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 43.13 Mbit/s
95th percentile per-packet one-way delay: 11.221 ms
Loss rate: 0.34%

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

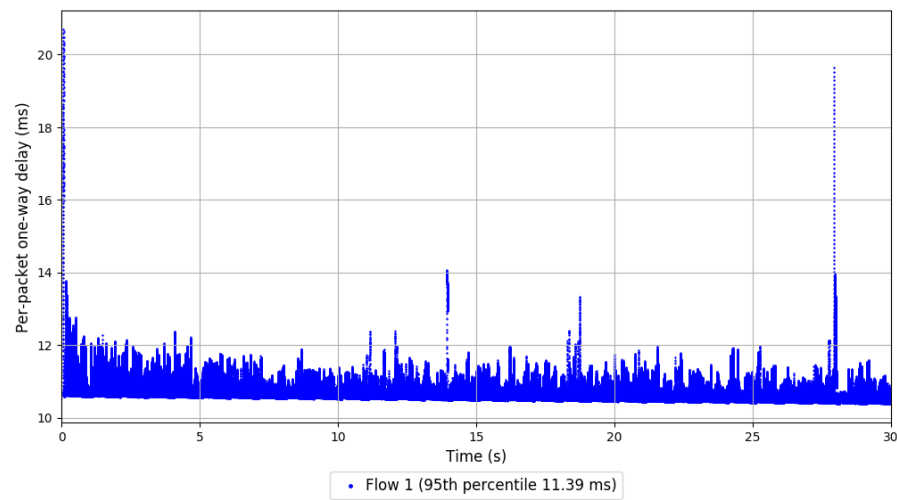
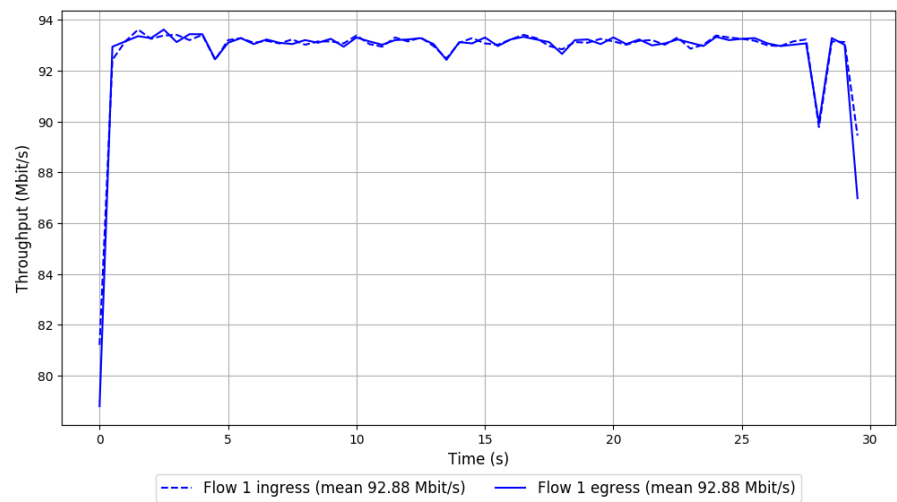


Run 9: Statistics of TaoVA-100x

Start at: 2018-04-24 08:02:19
End at: 2018-04-24 08:02:49
Local clock offset: -10.193 ms
Remote clock offset: -8.482 ms

Below is generated by plot.py at 2018-04-24 11:52:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.88 Mbit/s
95th percentile per-packet one-way delay: 11.395 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 92.88 Mbit/s
95th percentile per-packet one-way delay: 11.395 ms
Loss rate: 0.08%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-04-24 08:22:09

End at: 2018-04-24 08:22:39

Local clock offset: -5.543 ms

Remote clock offset: 3.5 ms

Below is generated by plot.py at 2018-04-24 11:52:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.45 Mbit/s

95th percentile per-packet one-way delay: 5.328 ms

Loss rate: 0.09%

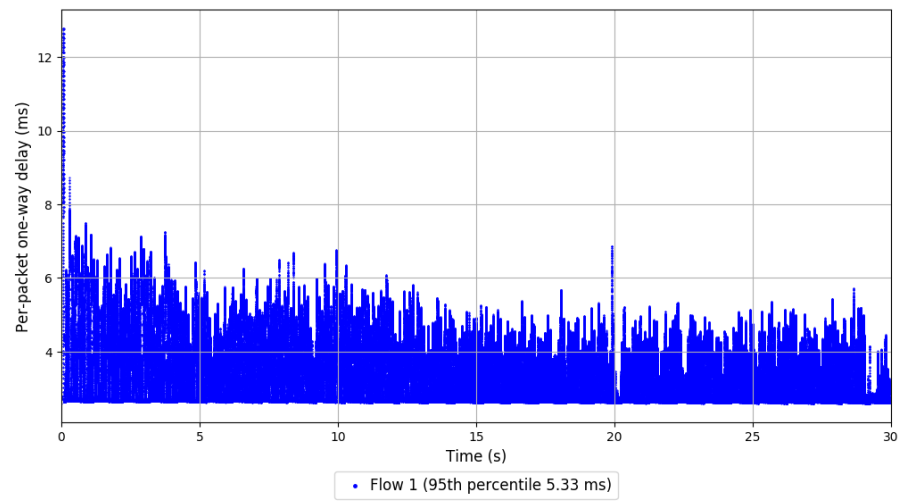
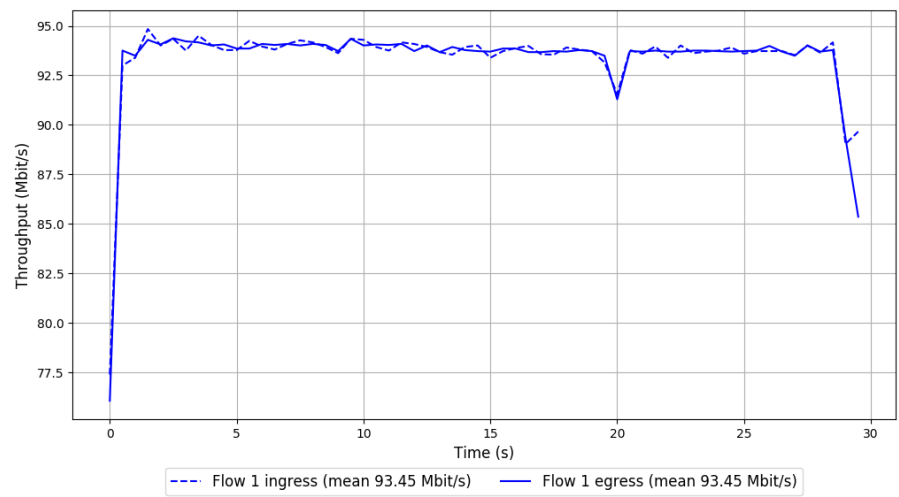
-- Flow 1:

Average throughput: 93.45 Mbit/s

95th percentile per-packet one-way delay: 5.328 ms

Loss rate: 0.09%

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

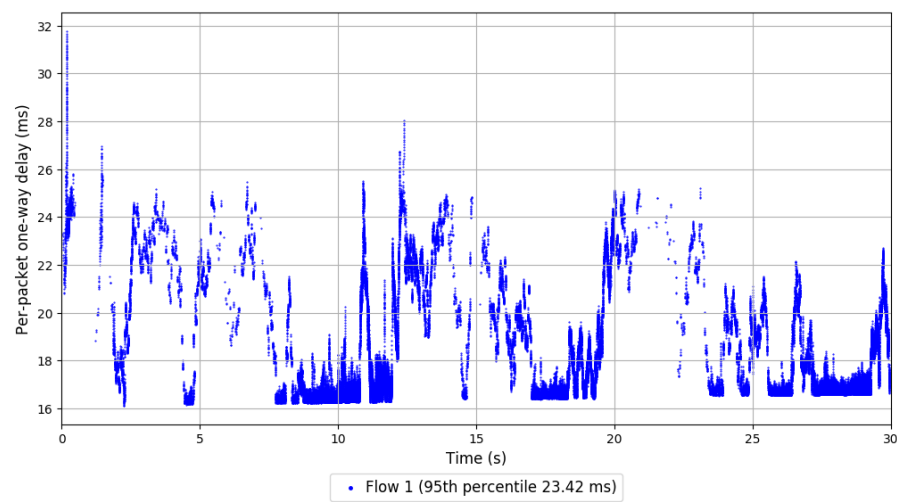
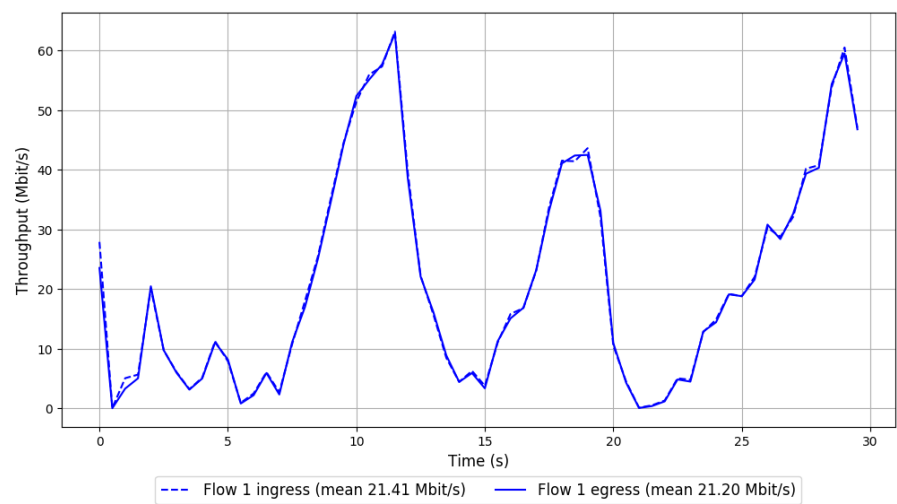


Run 1: Statistics of TCP Vegas

Start at: 2018-04-24 05:11:25
End at: 2018-04-24 05:11:55
Local clock offset: -7.555 ms
Remote clock offset: -11.339 ms

Below is generated by plot.py at 2018-04-24 11:52:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.20 Mbit/s
95th percentile per-packet one-way delay: 23.420 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 21.20 Mbit/s
95th percentile per-packet one-way delay: 23.420 ms
Loss rate: 1.08%

Run 1: Report of TCP Vegas — Data Link

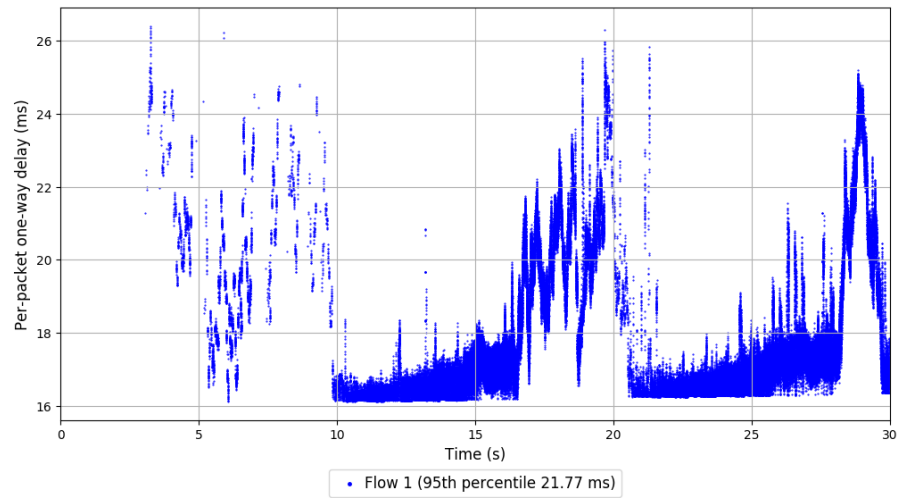
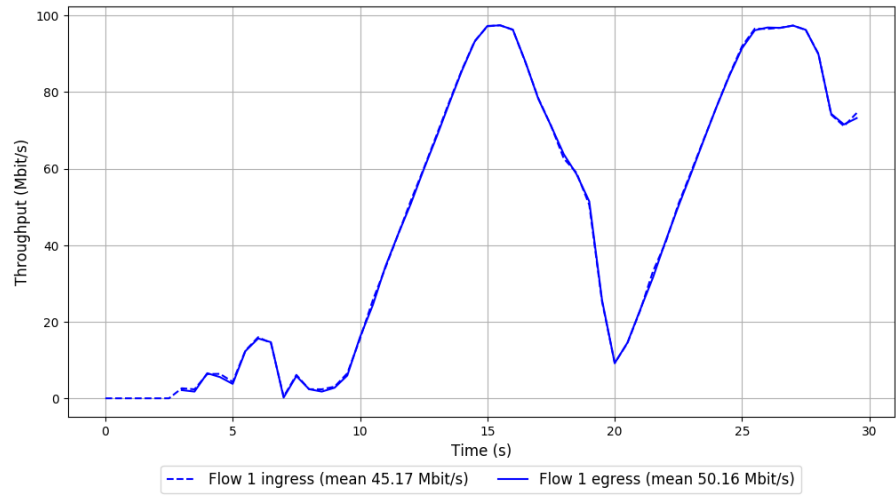


Run 2: Statistics of TCP Vegas

Start at: 2018-04-24 05:31:16
End at: 2018-04-24 05:31:47
Local clock offset: -16.857 ms
Remote clock offset: -10.139 ms

Below is generated by plot.py at 2018-04-24 11:52:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.16 Mbit/s
95th percentile per-packet one-way delay: 21.767 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 50.16 Mbit/s
95th percentile per-packet one-way delay: 21.767 ms
Loss rate: 0.33%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-04-24 05:51:25

End at: 2018-04-24 05:51:55

Local clock offset: -14.61 ms

Remote clock offset: 9.907 ms

Below is generated by plot.py at 2018-04-24 11:52:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.79 Mbit/s

95th percentile per-packet one-way delay: 9.660 ms

Loss rate: 0.15%

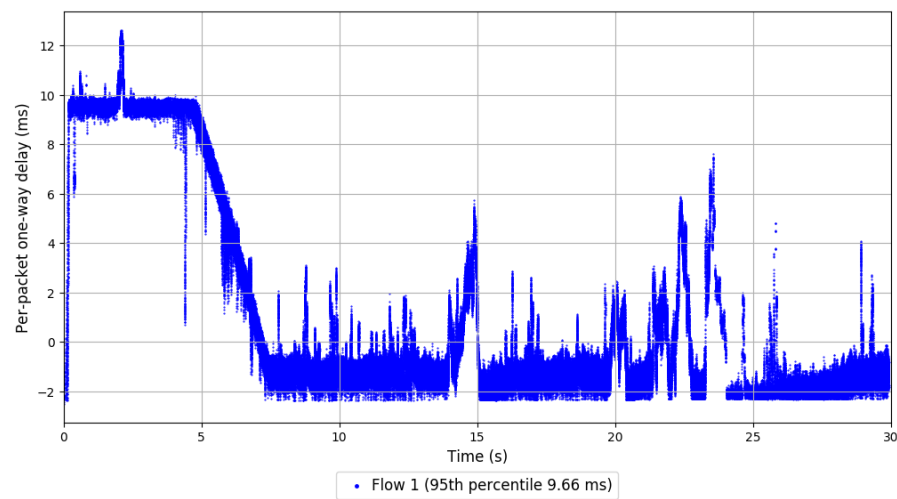
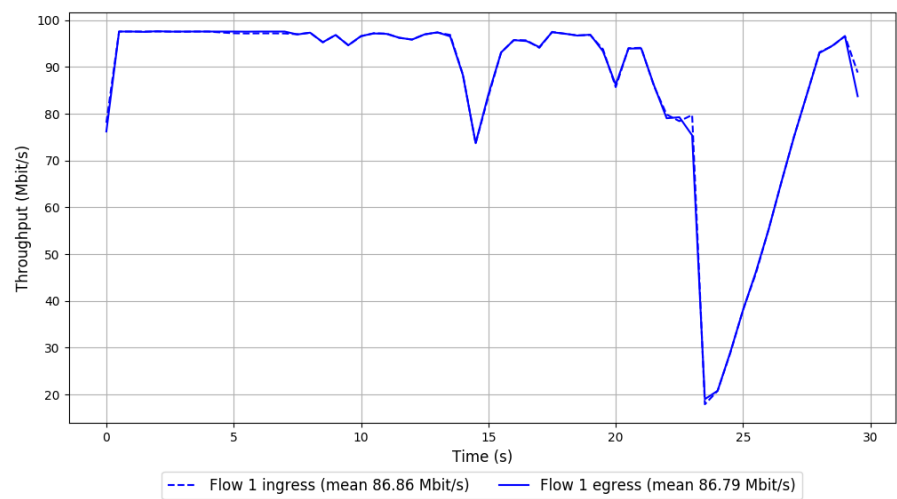
-- Flow 1:

Average throughput: 86.79 Mbit/s

95th percentile per-packet one-way delay: 9.660 ms

Loss rate: 0.15%

Run 3: Report of TCP Vegas — Data Link

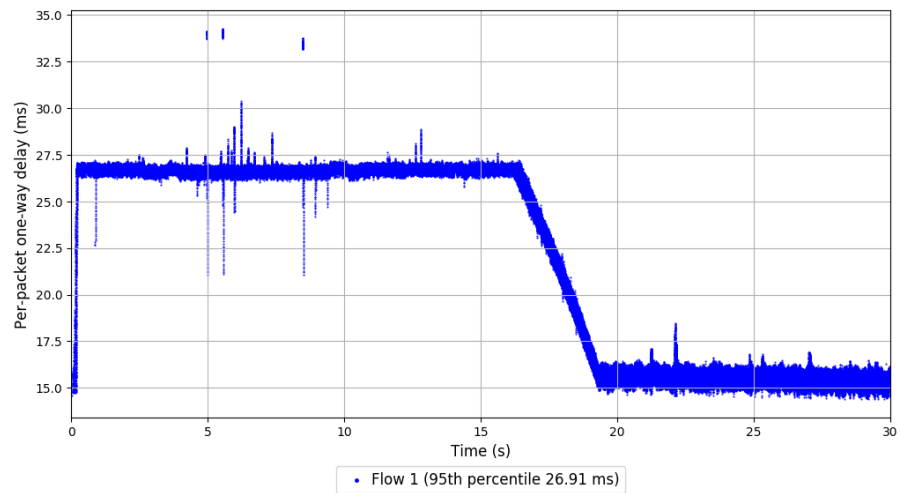
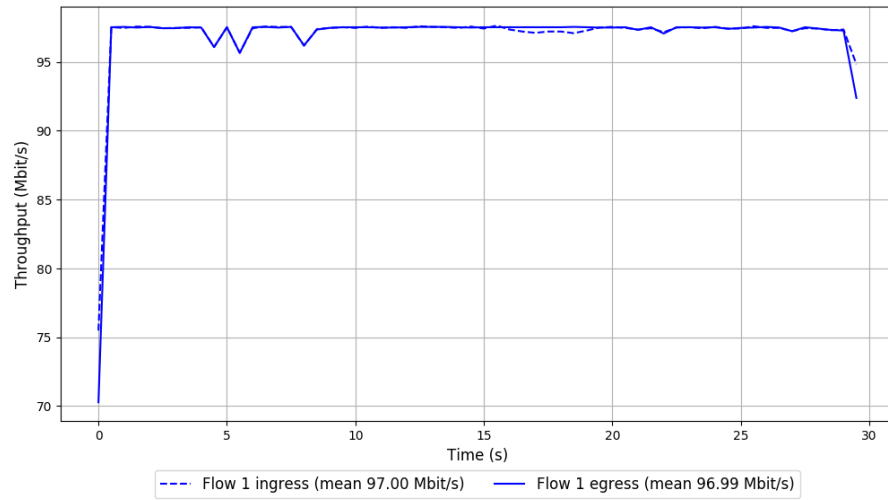


Run 4: Statistics of TCP Vegas

Start at: 2018-04-24 06:11:14
End at: 2018-04-24 06:11:44
Local clock offset: -20.852 ms
Remote clock offset: -3.659 ms

Below is generated by plot.py at 2018-04-24 11:53:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.99 Mbit/s
95th percentile per-packet one-way delay: 26.908 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.99 Mbit/s
95th percentile per-packet one-way delay: 26.908 ms
Loss rate: 0.09%

Run 4: Report of TCP Vegas — Data Link

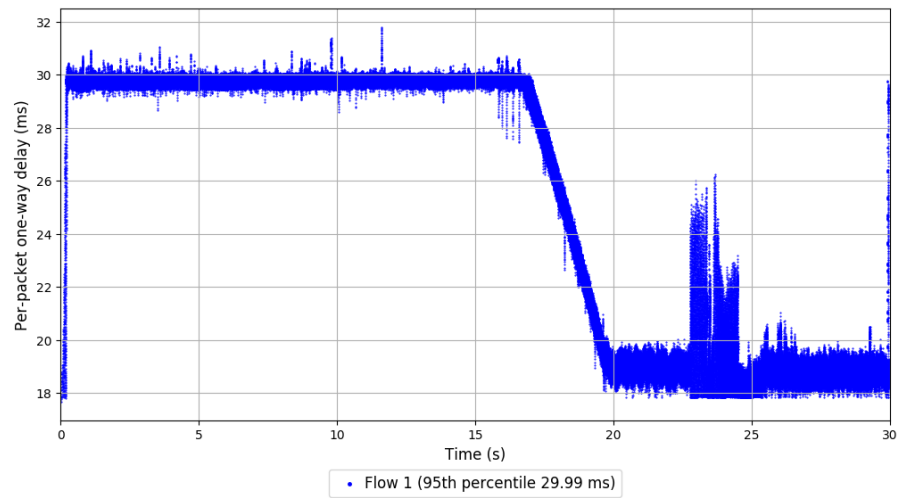
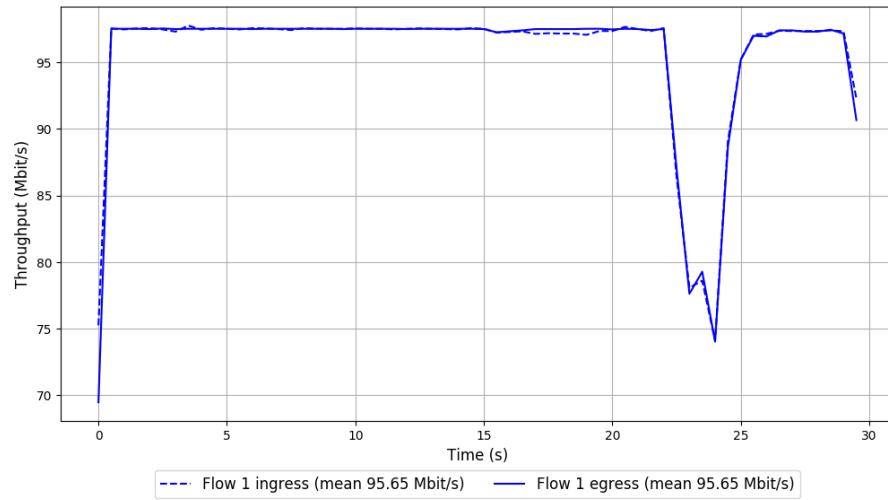


Run 5: Statistics of TCP Vegas

Start at: 2018-04-24 06:30:59
End at: 2018-04-24 06:31:29
Local clock offset: -16.14 ms
Remote clock offset: -10.927 ms

Below is generated by plot.py at 2018-04-24 11:53:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 29.987 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 29.987 ms
Loss rate: 0.09%

Run 5: Report of TCP Vegas — Data Link

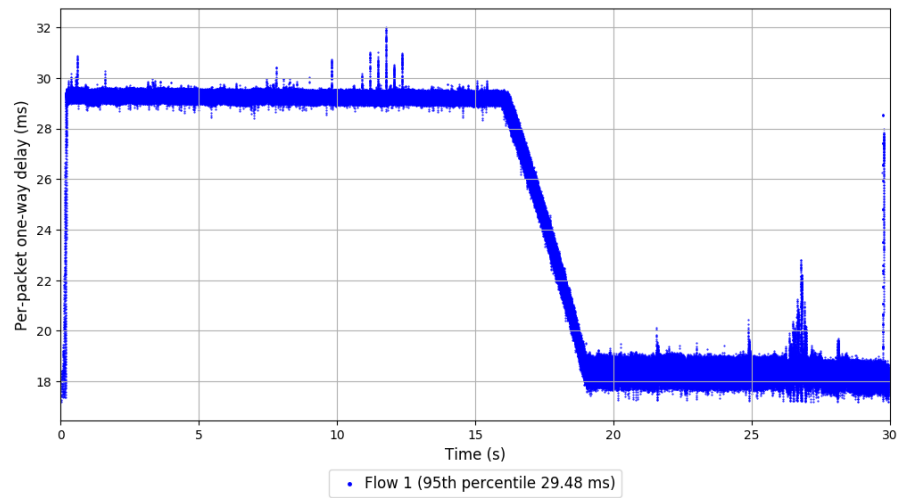
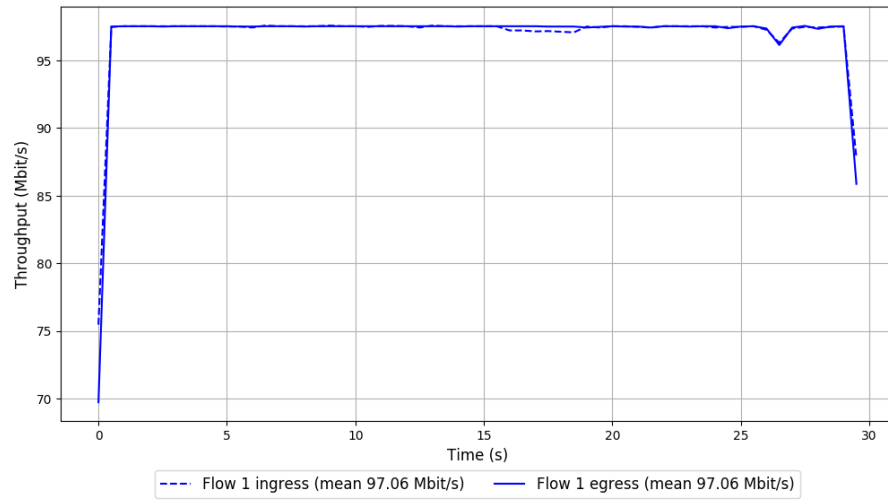


Run 6: Statistics of TCP Vegas

Start at: 2018-04-24 06:50:58
End at: 2018-04-24 06:51:28
Local clock offset: -15.079 ms
Remote clock offset: -9.115 ms

Below is generated by plot.py at 2018-04-24 11:53:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.06 Mbit/s
95th percentile per-packet one-way delay: 29.478 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 97.06 Mbit/s
95th percentile per-packet one-way delay: 29.478 ms
Loss rate: 0.09%

Run 6: Report of TCP Vegas — Data Link

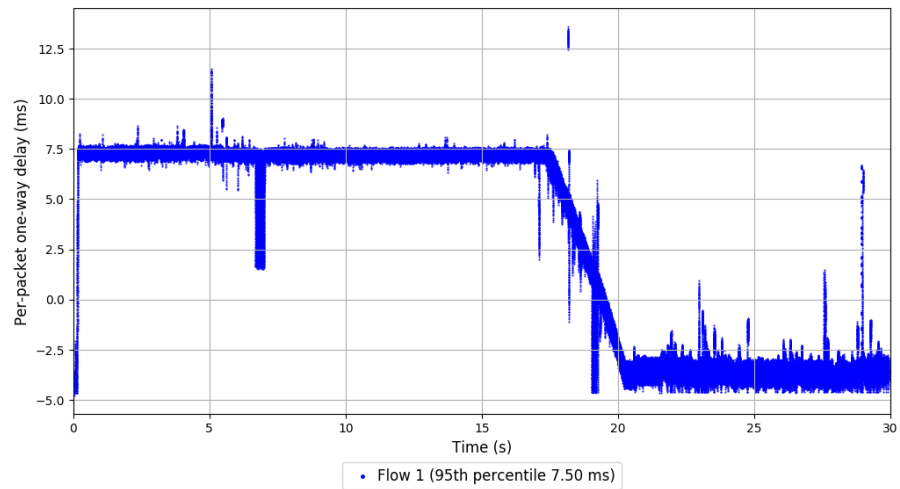
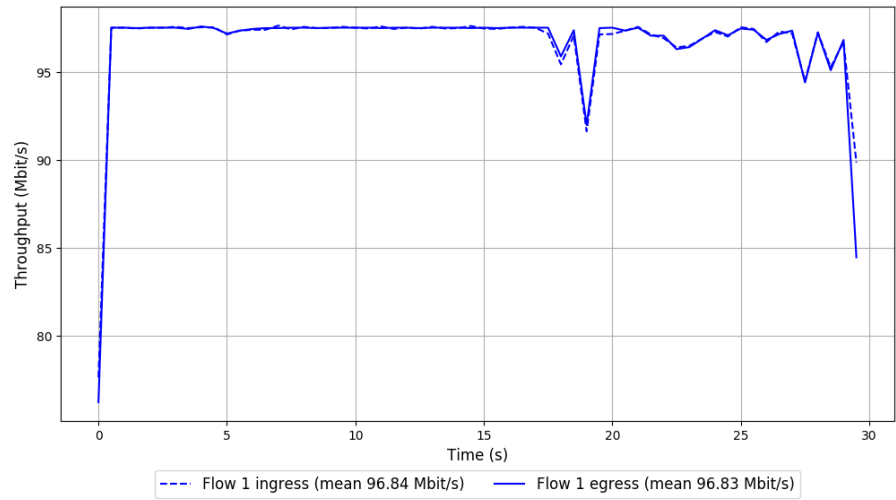


Run 7: Statistics of TCP Vegas

Start at: 2018-04-24 07:10:47
End at: 2018-04-24 07:11:17
Local clock offset: -13.801 ms
Remote clock offset: 9.97 ms

Below is generated by plot.py at 2018-04-24 11:53:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.83 Mbit/s
95th percentile per-packet one-way delay: 7.497 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 96.83 Mbit/s
95th percentile per-packet one-way delay: 7.497 ms
Loss rate: 0.08%

Run 7: Report of TCP Vegas — Data Link

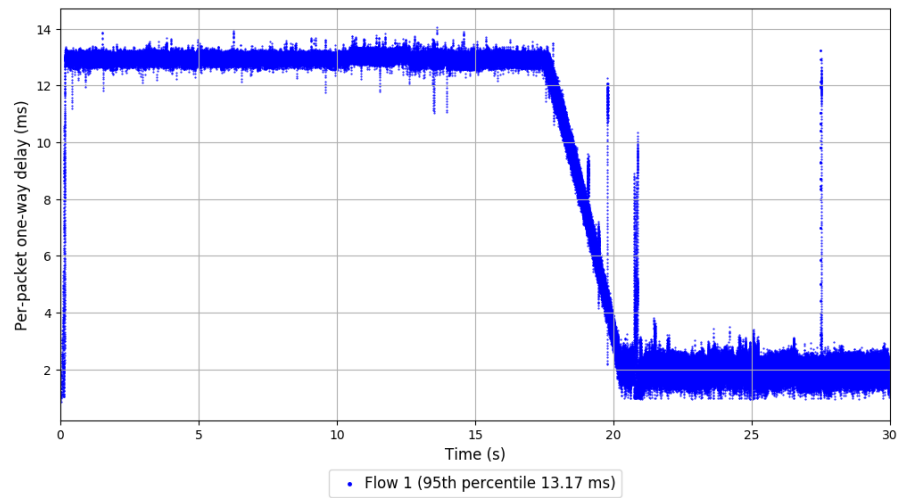
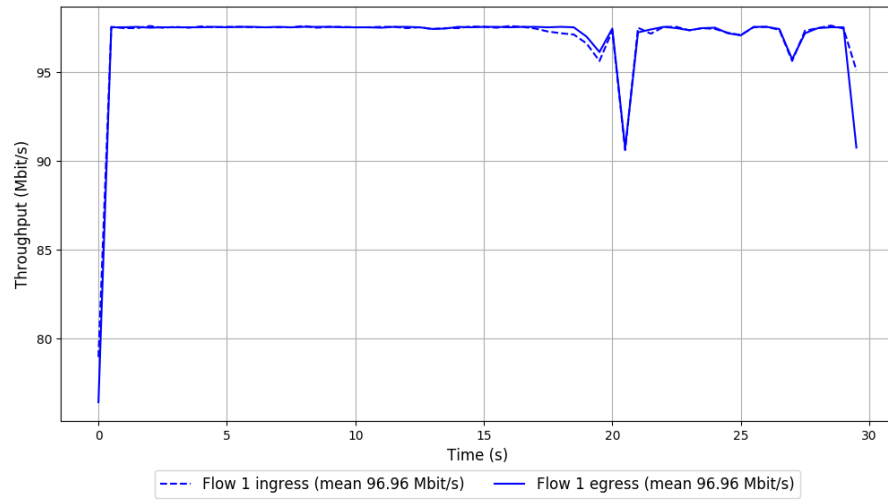


Run 8: Statistics of TCP Vegas

Start at: 2018-04-24 07:30:18
End at: 2018-04-24 07:30:48
Local clock offset: -12.492 ms
Remote clock offset: 4.559 ms

Below is generated by plot.py at 2018-04-24 11:53:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.96 Mbit/s
95th percentile per-packet one-way delay: 13.172 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 96.96 Mbit/s
95th percentile per-packet one-way delay: 13.172 ms
Loss rate: 0.08%

Run 8: Report of TCP Vegas — Data Link

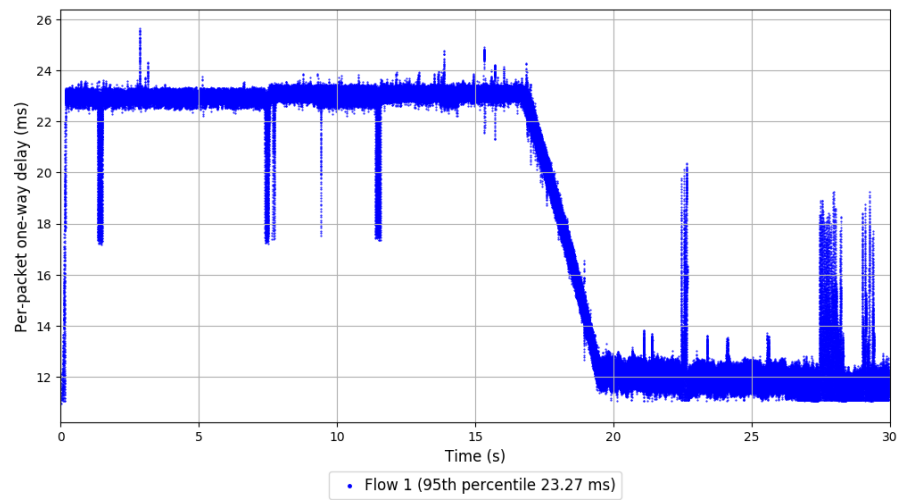
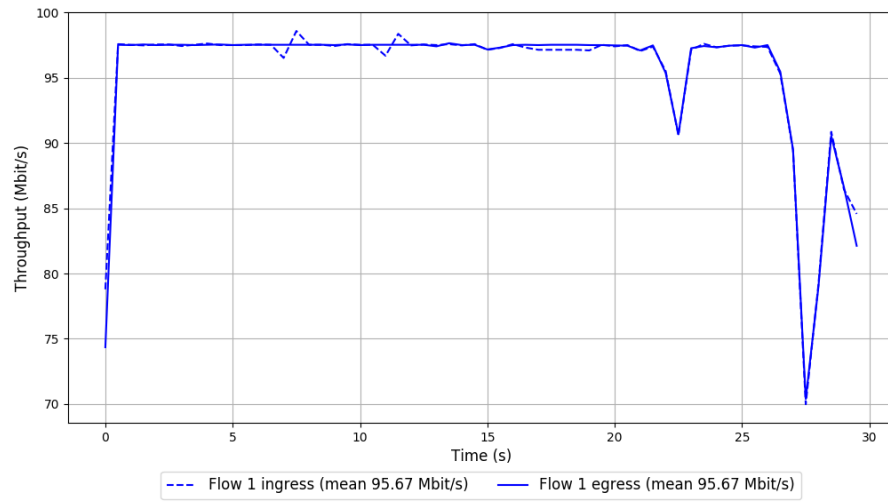


Run 9: Statistics of TCP Vegas

Start at: 2018-04-24 07:49:47
End at: 2018-04-24 07:50:17
Local clock offset: -13.85 ms
Remote clock offset: -6.697 ms

Below is generated by plot.py at 2018-04-24 11:53:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.67 Mbit/s
95th percentile per-packet one-way delay: 23.273 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 95.67 Mbit/s
95th percentile per-packet one-way delay: 23.273 ms
Loss rate: 0.08%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-04-24 08:09:17

End at: 2018-04-24 08:09:47

Local clock offset: -9.313 ms

Remote clock offset: -8.339 ms

Below is generated by plot.py at 2018-04-24 11:53:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.64 Mbit/s

95th percentile per-packet one-way delay: 21.339 ms

Loss rate: 0.08%

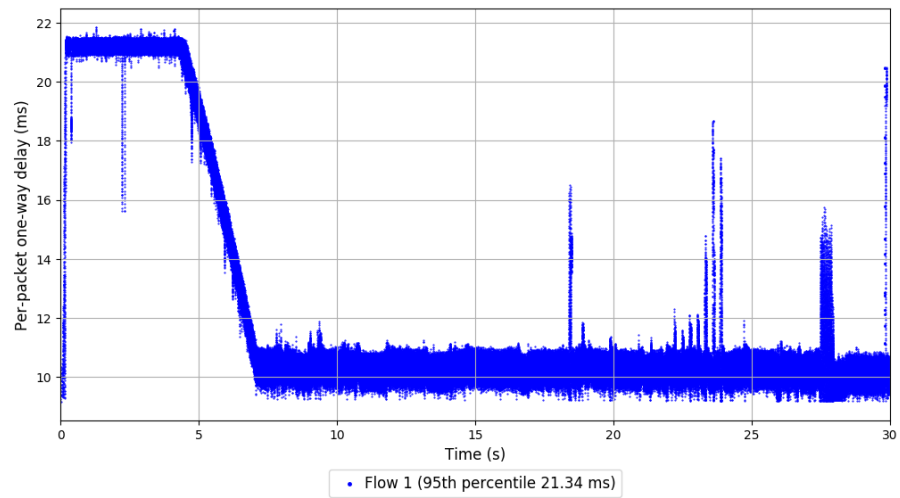
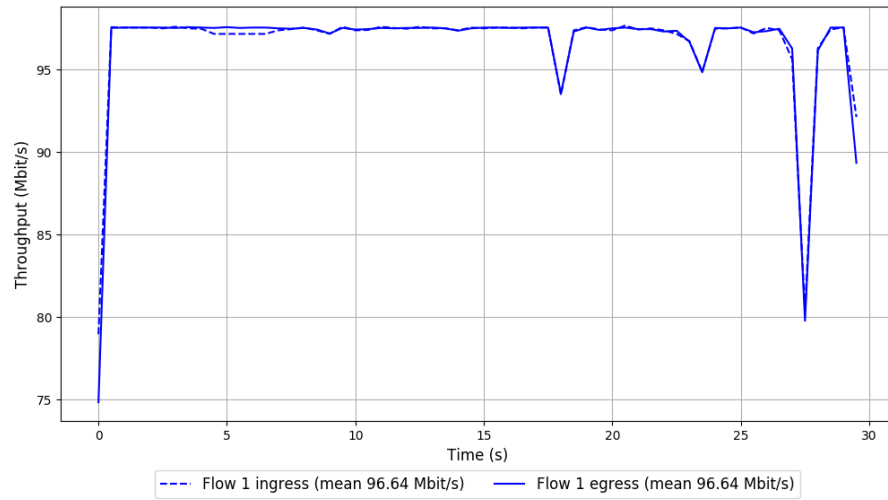
-- Flow 1:

Average throughput: 96.64 Mbit/s

95th percentile per-packet one-way delay: 21.339 ms

Loss rate: 0.08%

Run 10: Report of TCP Vegas — Data Link

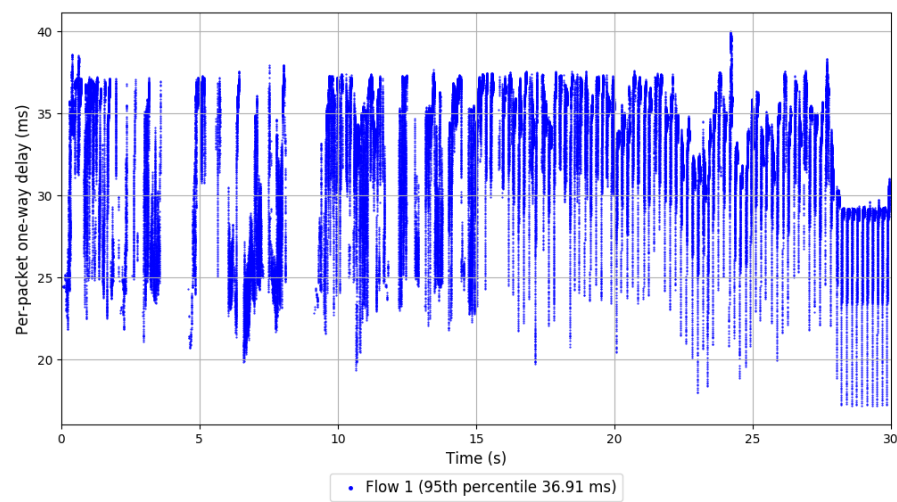
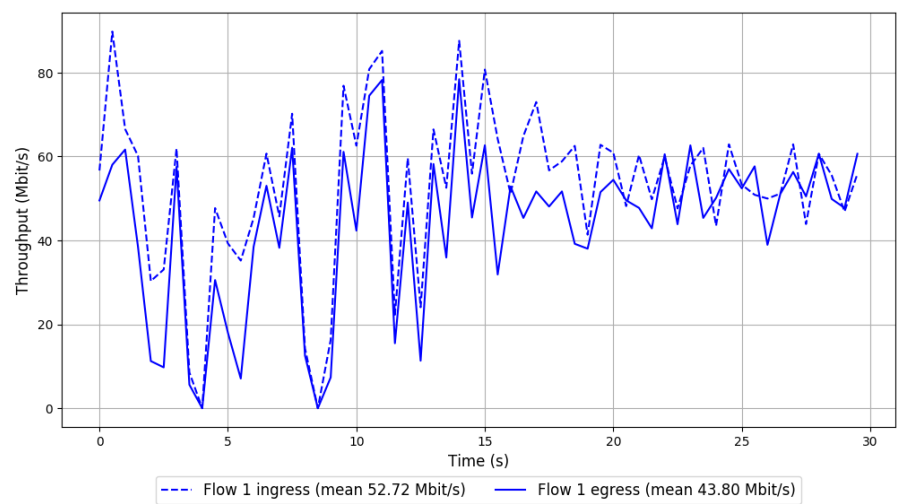


Run 1: Statistics of Verus

Start at: 2018-04-24 05:10:10
End at: 2018-04-24 05:10:40
Local clock offset: -7.014 ms
Remote clock offset: -12.751 ms

Below is generated by plot.py at 2018-04-24 11:53:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 43.80 Mbit/s
95th percentile per-packet one-way delay: 36.915 ms
Loss rate: 16.91%
-- Flow 1:
Average throughput: 43.80 Mbit/s
95th percentile per-packet one-way delay: 36.915 ms
Loss rate: 16.91%

Run 1: Report of Verus — Data Link

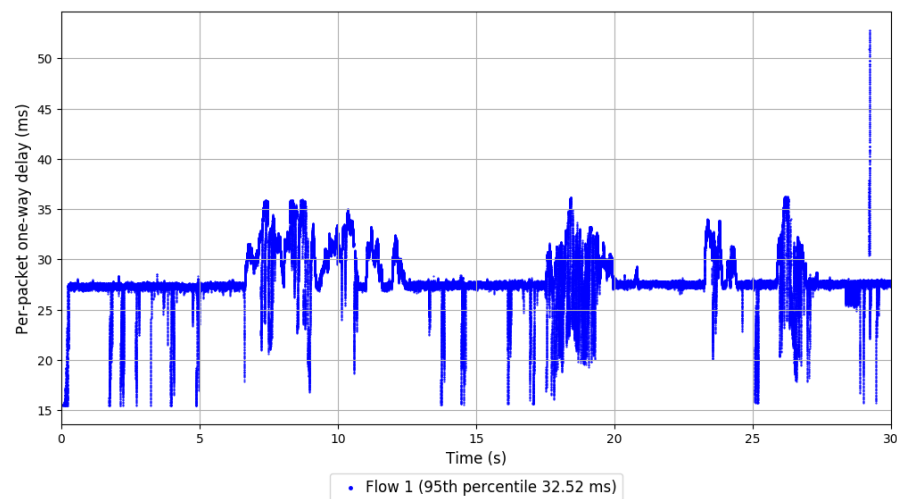
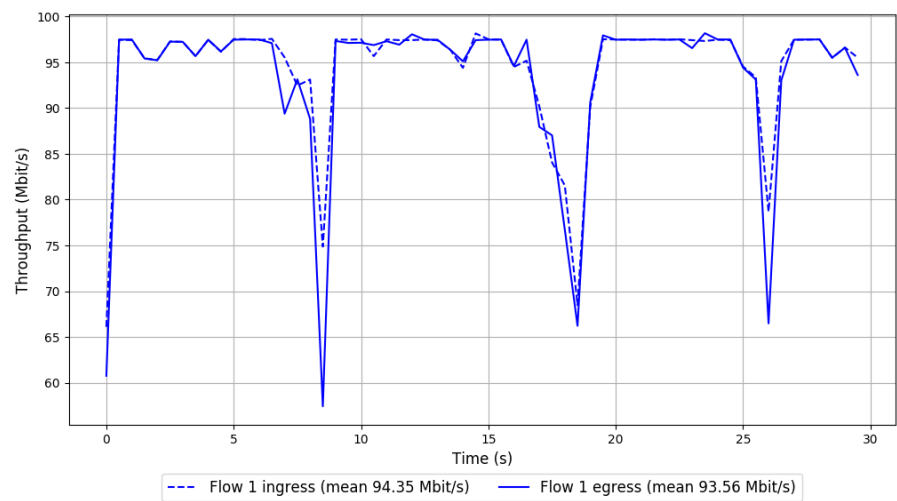


Run 2: Statistics of Verus

Start at: 2018-04-24 05:30:03
End at: 2018-04-24 05:30:33
Local clock offset: -16.588 ms
Remote clock offset: -10.044 ms

Below is generated by plot.py at 2018-04-24 11:54:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.56 Mbit/s
95th percentile per-packet one-way delay: 32.518 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 93.56 Mbit/s
95th percentile per-packet one-way delay: 32.518 ms
Loss rate: 0.93%

Run 2: Report of Verus — Data Link

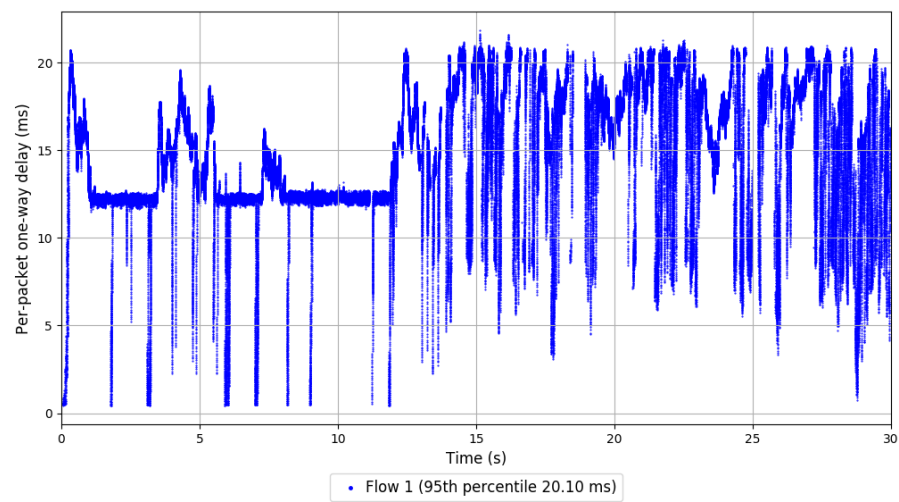
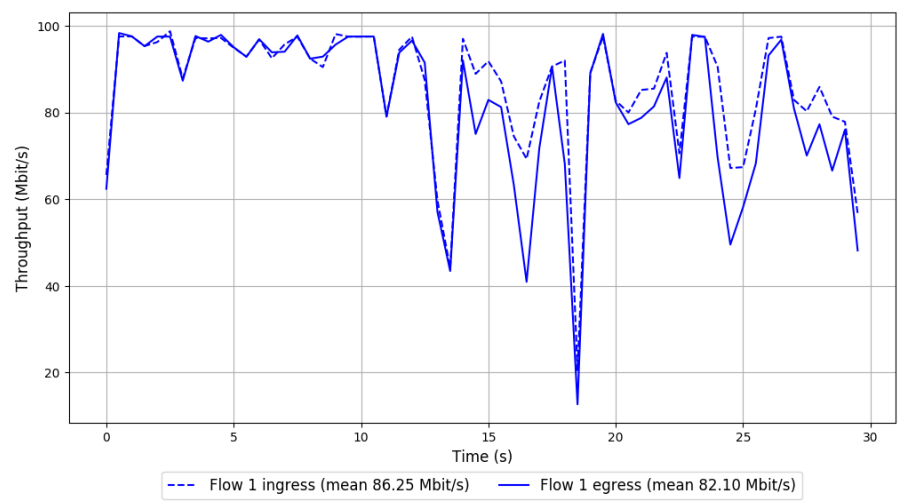


Run 3: Statistics of Verus

Start at: 2018-04-24 05:50:08
End at: 2018-04-24 05:50:38
Local clock offset: -13.874 ms
Remote clock offset: 7.619 ms

Below is generated by plot.py at 2018-04-24 11:54:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.10 Mbit/s
95th percentile per-packet one-way delay: 20.100 ms
Loss rate: 4.87%
-- Flow 1:
Average throughput: 82.10 Mbit/s
95th percentile per-packet one-way delay: 20.100 ms
Loss rate: 4.87%

Run 3: Report of Verus — Data Link

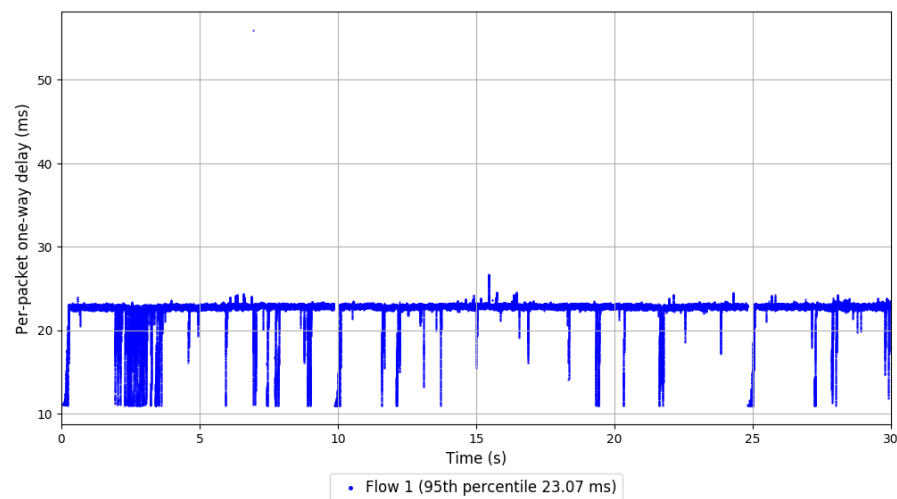
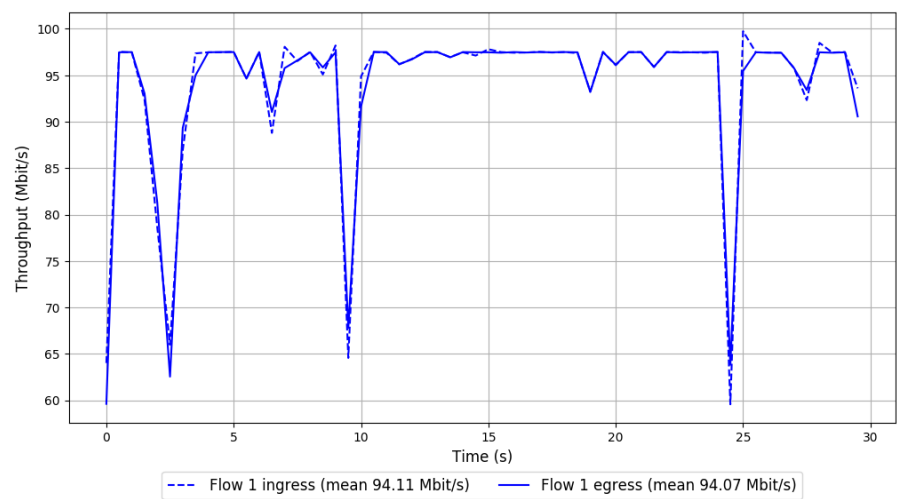


Run 4: Statistics of Verus

Start at: 2018-04-24 06:10:01
End at: 2018-04-24 06:10:31
Local clock offset: -20.833 ms
Remote clock offset: 0.148 ms

Below is generated by plot.py at 2018-04-24 11:54:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.07 Mbit/s
95th percentile per-packet one-way delay: 23.073 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 94.07 Mbit/s
95th percentile per-packet one-way delay: 23.073 ms
Loss rate: 0.13%

Run 4: Report of Verus — Data Link

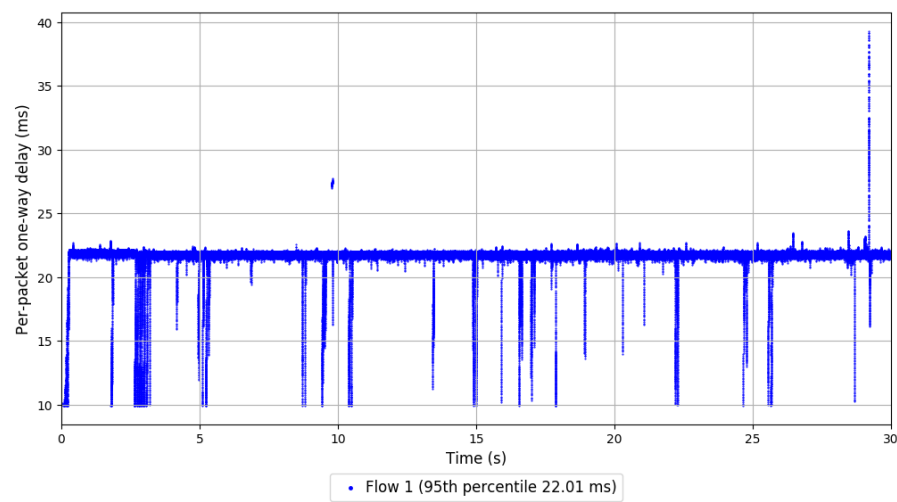
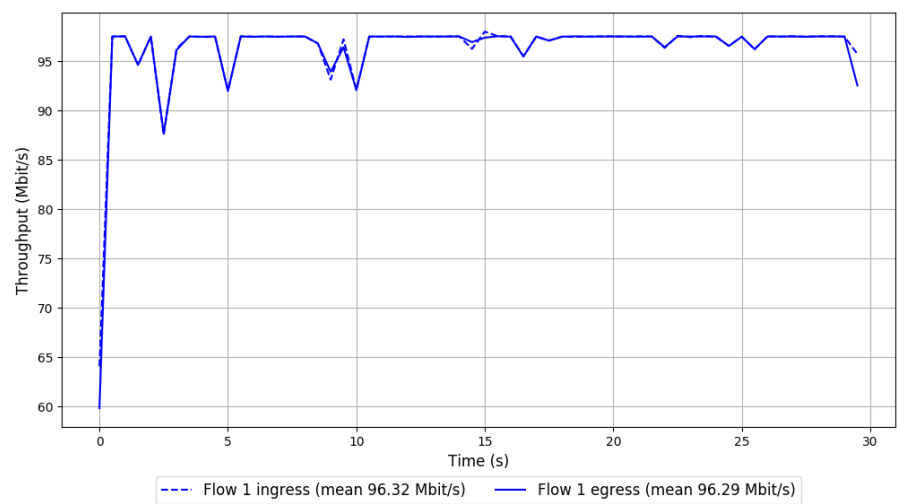


Run 5: Statistics of Verus

Start at: 2018-04-24 06:29:48
End at: 2018-04-24 06:30:18
Local clock offset: -15.185 ms
Remote clock offset: -2.204 ms

Below is generated by plot.py at 2018-04-24 11:54:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.29 Mbit/s
95th percentile per-packet one-way delay: 22.014 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 96.29 Mbit/s
95th percentile per-packet one-way delay: 22.014 ms
Loss rate: 0.13%

Run 5: Report of Verus — Data Link

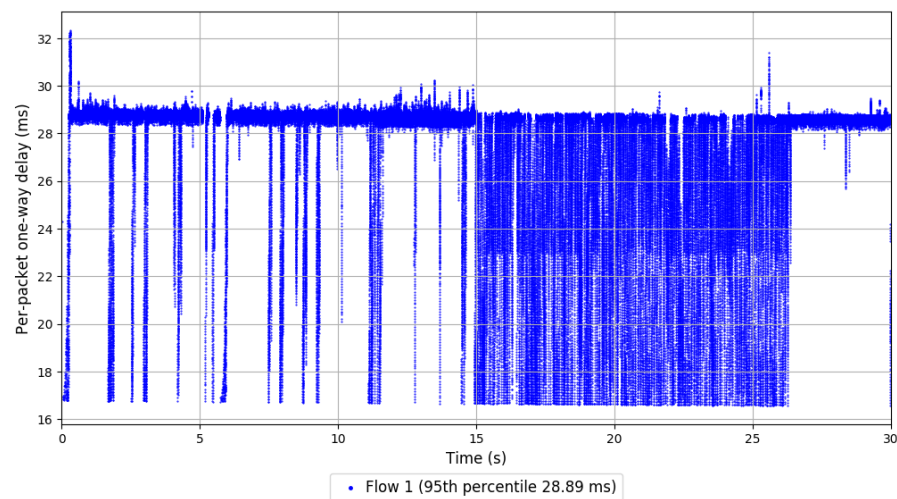
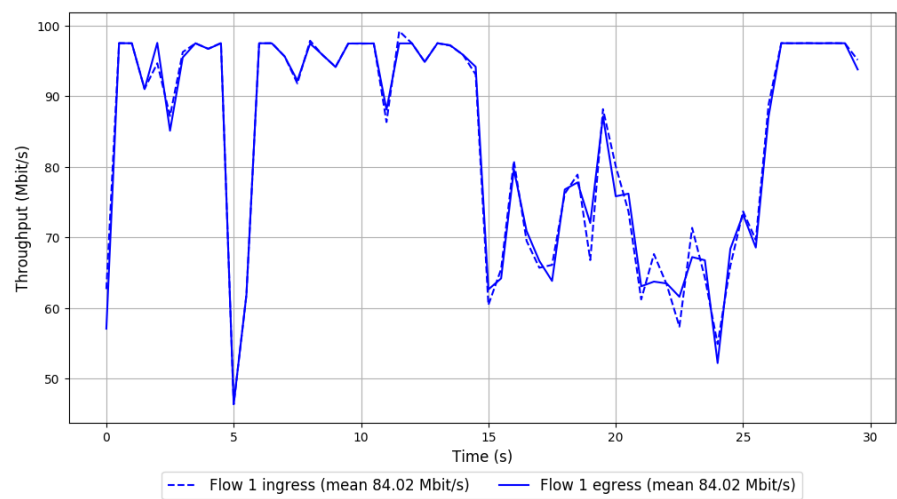


Run 6: Statistics of Verus

Start at: 2018-04-24 06:49:46
End at: 2018-04-24 06:50:16
Local clock offset: -16.127 ms
Remote clock offset: -9.048 ms

Below is generated by plot.py at 2018-04-24 11:54:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.02 Mbit/s
95th percentile per-packet one-way delay: 28.895 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 84.02 Mbit/s
95th percentile per-packet one-way delay: 28.895 ms
Loss rate: 0.14%

Run 6: Report of Verus — Data Link

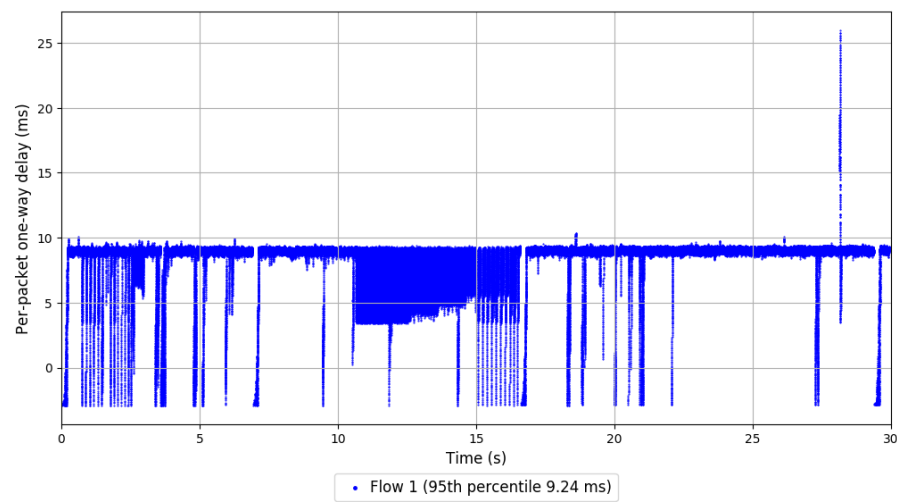
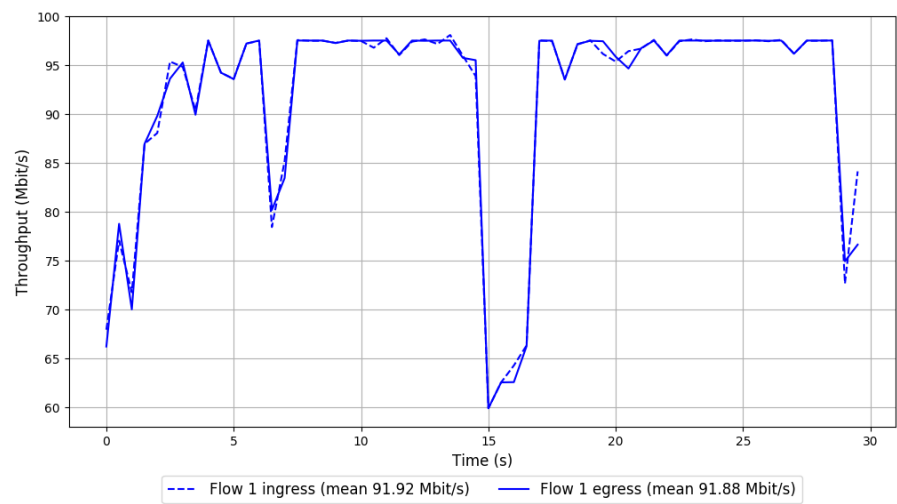


Run 7: Statistics of Verus

Start at: 2018-04-24 07:09:36
End at: 2018-04-24 07:10:06
Local clock offset: -14.148 ms
Remote clock offset: 7.702 ms

Below is generated by plot.py at 2018-04-24 11:54:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.88 Mbit/s
95th percentile per-packet one-way delay: 9.244 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 91.88 Mbit/s
95th percentile per-packet one-way delay: 9.244 ms
Loss rate: 0.13%

Run 7: Report of Verus — Data Link

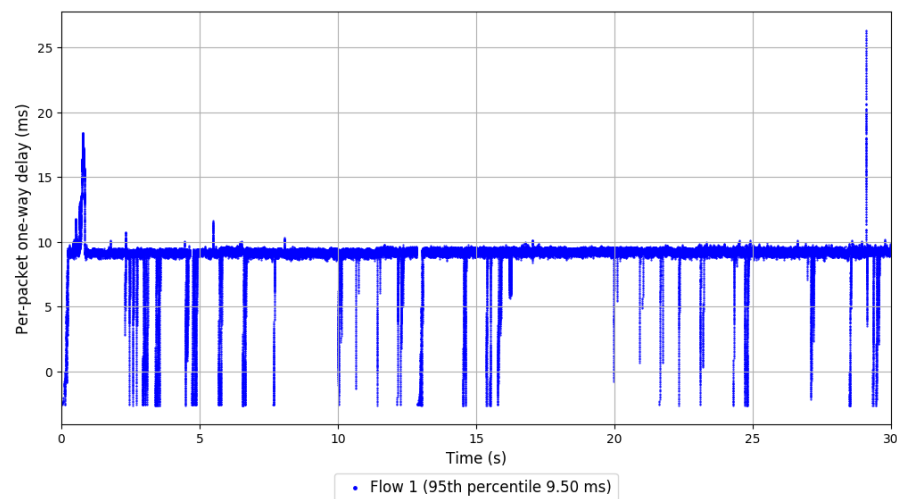
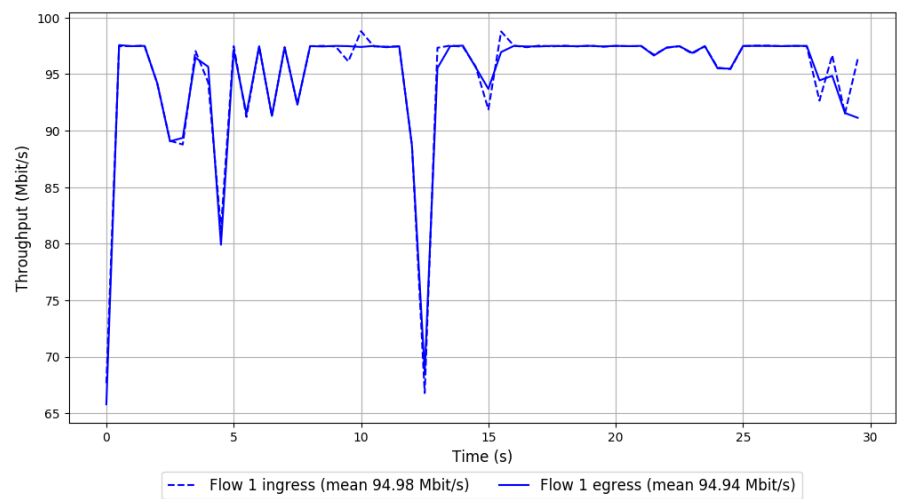


Run 8: Statistics of Verus

Start at: 2018-04-24 07:29:04
End at: 2018-04-24 07:29:34
Local clock offset: -12.937 ms
Remote clock offset: 7.773 ms

Below is generated by plot.py at 2018-04-24 11:54:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.94 Mbit/s
95th percentile per-packet one-way delay: 9.500 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 94.94 Mbit/s
95th percentile per-packet one-way delay: 9.500 ms
Loss rate: 0.12%

Run 8: Report of Verus — Data Link

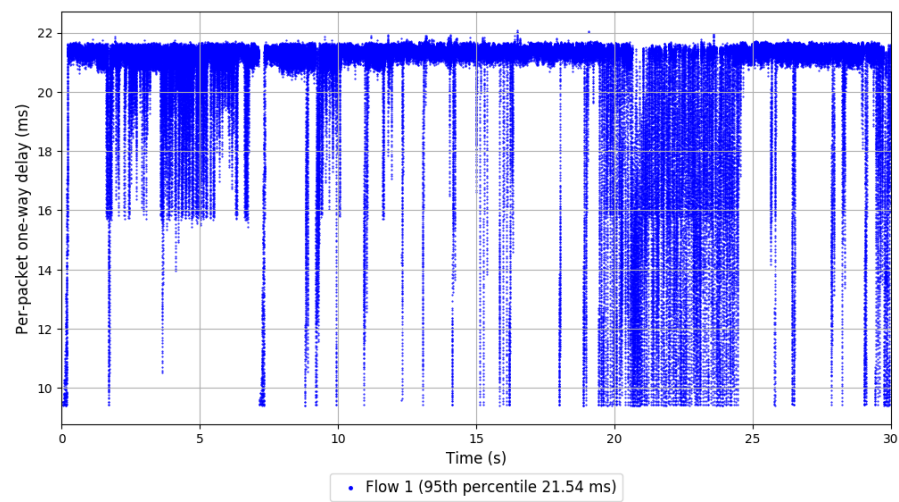
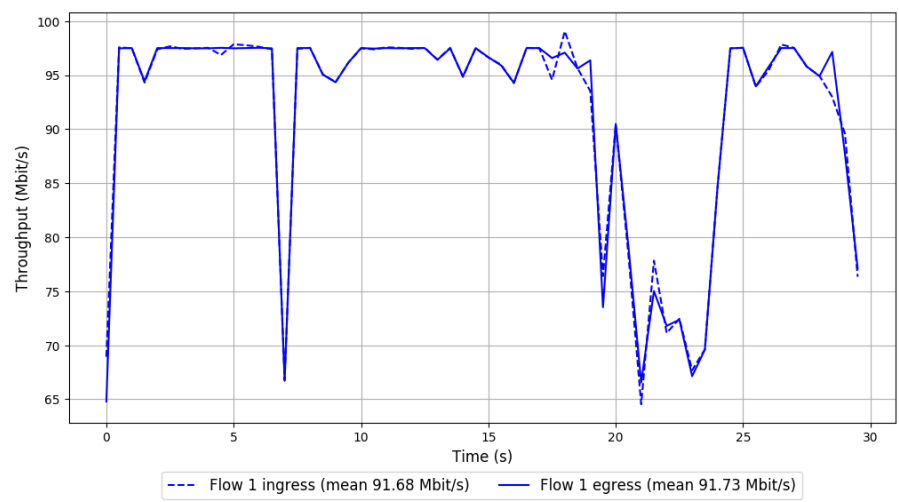


Run 9: Statistics of Verus

Start at: 2018-04-24 07:48:37
End at: 2018-04-24 07:49:07
Local clock offset: -14.297 ms
Remote clock offset: -5.561 ms

Below is generated by plot.py at 2018-04-24 11:54:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.73 Mbit/s
95th percentile per-packet one-way delay: 21.539 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 91.73 Mbit/s
95th percentile per-packet one-way delay: 21.539 ms
Loss rate: 0.02%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

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

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

Local clock offset: -8.696 ms

Remote clock offset: -9.11 ms

Below is generated by plot.py at 2018-04-24 11:55:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.65 Mbit/s

95th percentile per-packet one-way delay: 22.943 ms

Loss rate: 0.12%

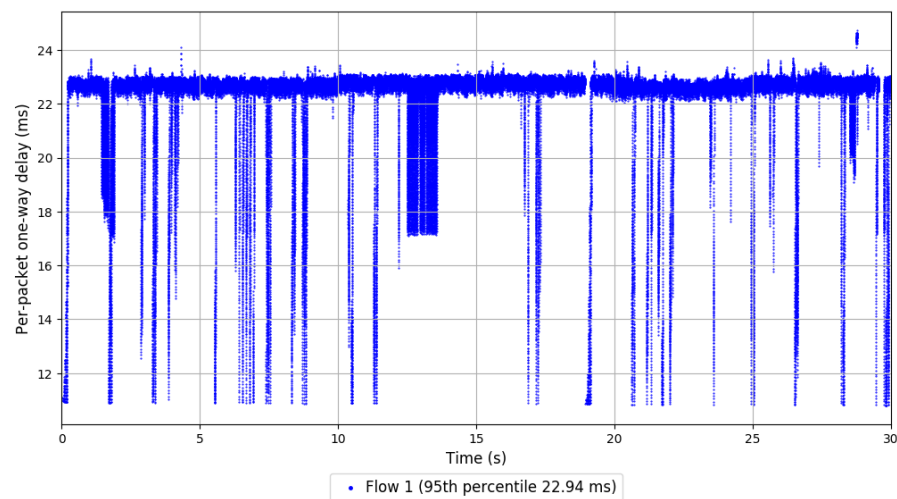
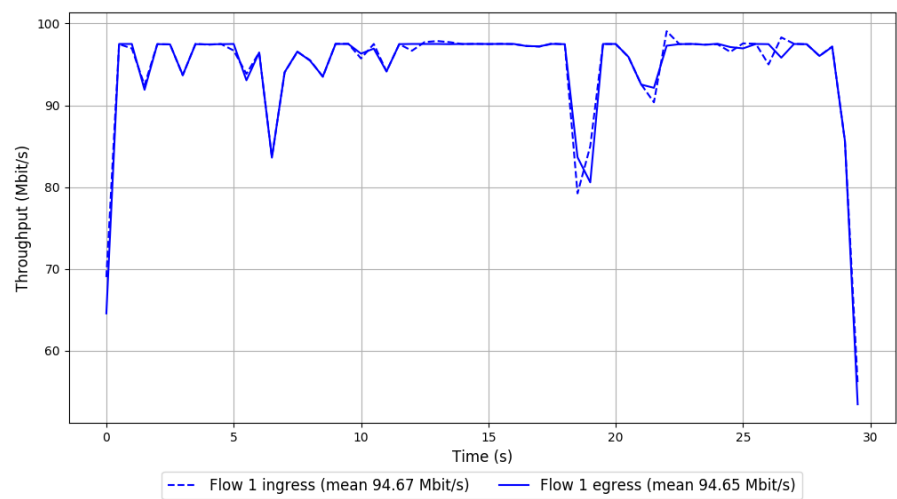
-- Flow 1:

Average throughput: 94.65 Mbit/s

95th percentile per-packet one-way delay: 22.943 ms

Loss rate: 0.12%

Run 10: Report of Verus — Data Link

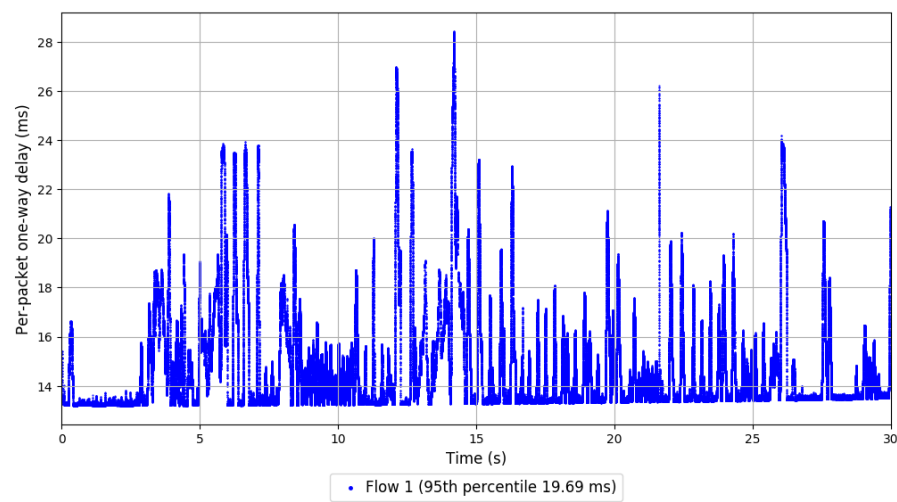
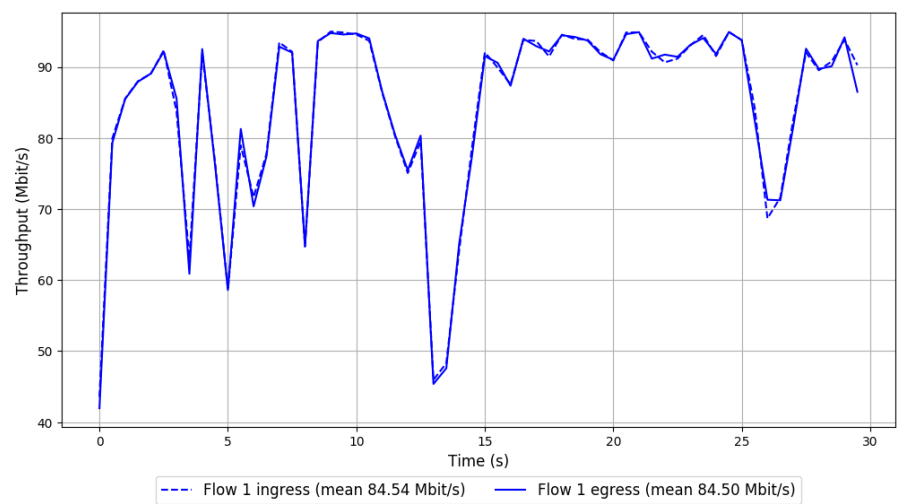


Run 1: Statistics of Copa

Start at: 2018-04-24 05:05:37
End at: 2018-04-24 05:06:07
Local clock offset: -7.668 ms
Remote clock offset: -12.358 ms

Below is generated by plot.py at 2018-04-24 11:56:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.50 Mbit/s
95th percentile per-packet one-way delay: 19.687 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 84.50 Mbit/s
95th percentile per-packet one-way delay: 19.687 ms
Loss rate: 0.13%

Run 1: Report of Copa — Data Link

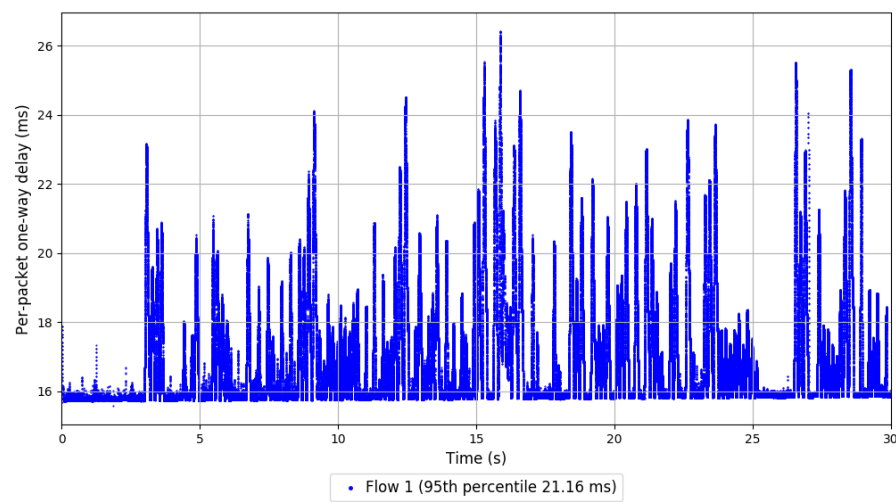
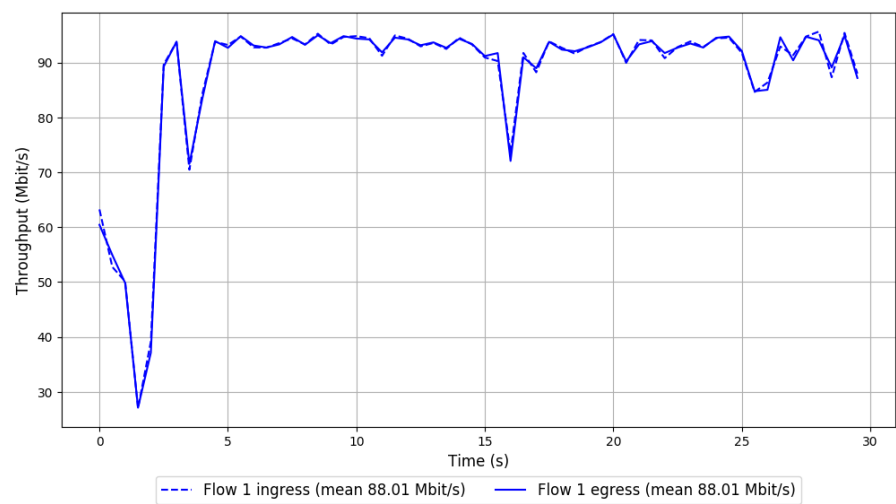


Run 2: Statistics of Copa

Start at: 2018-04-24 05:25:34
End at: 2018-04-24 05:26:04
Local clock offset: -14.491 ms
Remote clock offset: -10.213 ms

Below is generated by plot.py at 2018-04-24 11:57:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.01 Mbit/s
95th percentile per-packet one-way delay: 21.159 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 88.01 Mbit/s
95th percentile per-packet one-way delay: 21.159 ms
Loss rate: 0.08%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

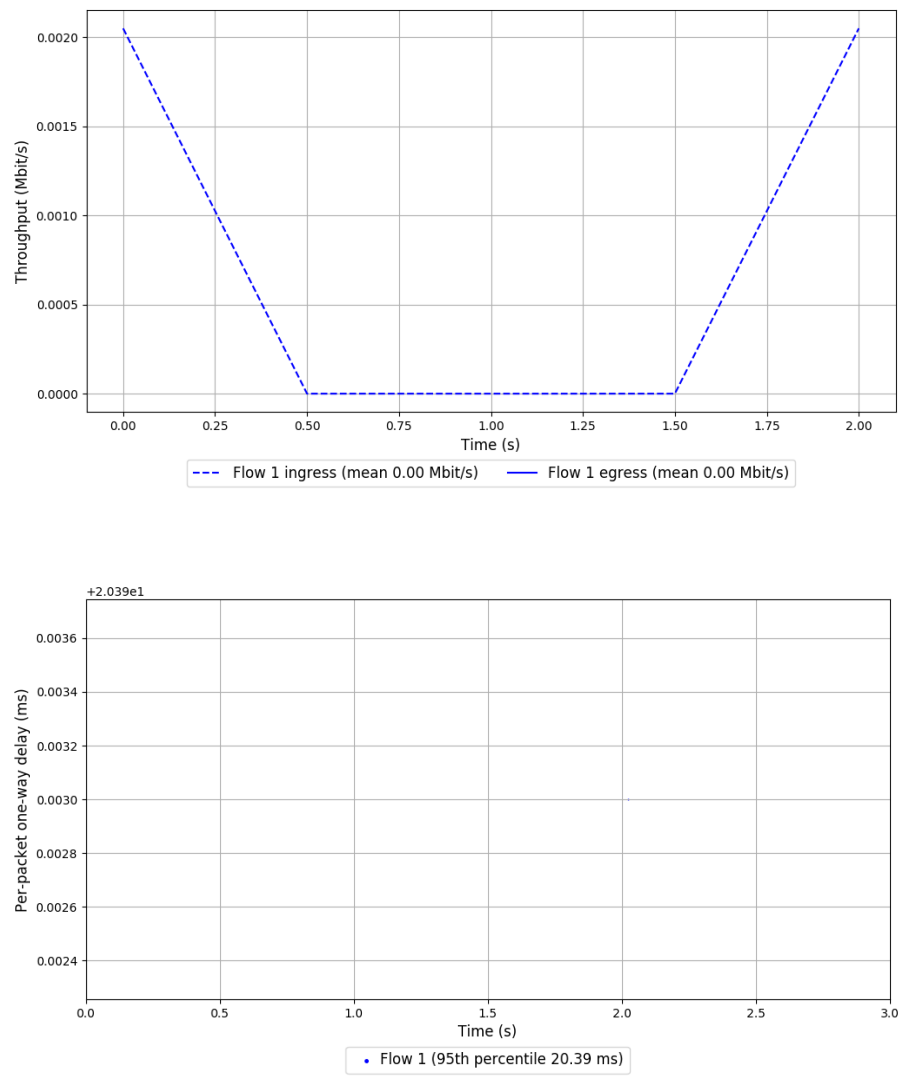
Start at: 2018-04-24 05:45:38

End at: 2018-04-24 05:46:08

Local clock offset: -15.061 ms

Remote clock offset: -8.611 ms

Run 3: Report of Copa — Data Link

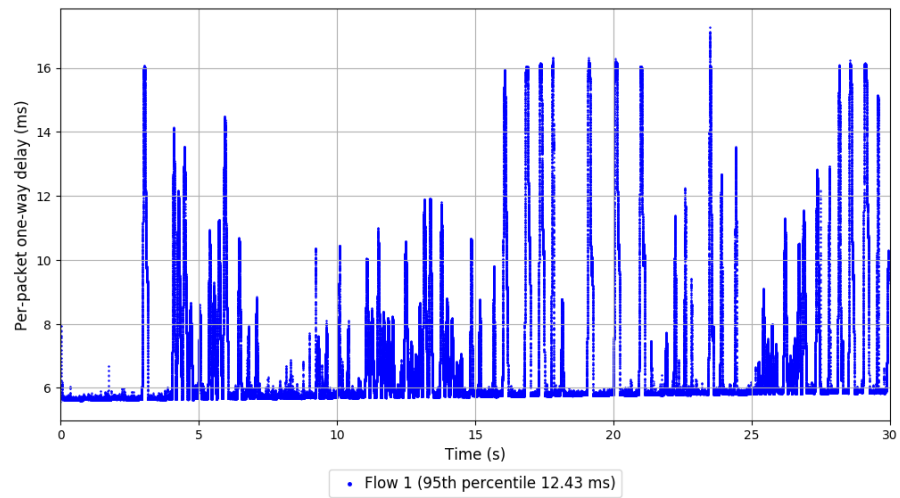
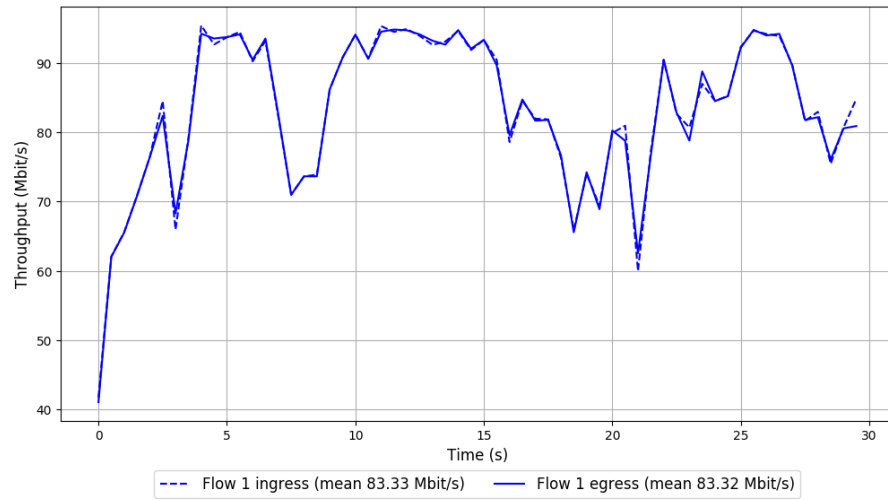


Run 4: Statistics of Copa

Start at: 2018-04-24 06:05:24
End at: 2018-04-24 06:05:54
Local clock offset: -18.176 ms
Remote clock offset: 6.132 ms

Below is generated by plot.py at 2018-04-24 11:57:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.32 Mbit/s
95th percentile per-packet one-way delay: 12.426 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 83.32 Mbit/s
95th percentile per-packet one-way delay: 12.426 ms
Loss rate: 0.10%

Run 4: Report of Copa — Data Link

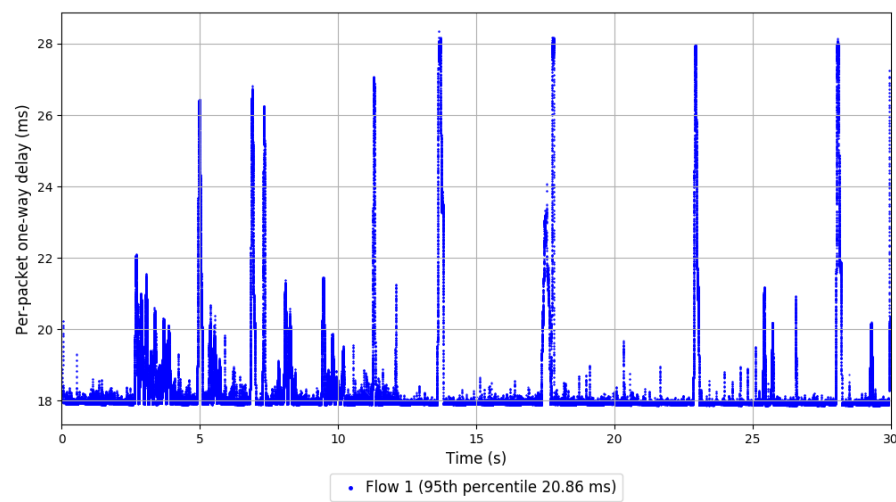
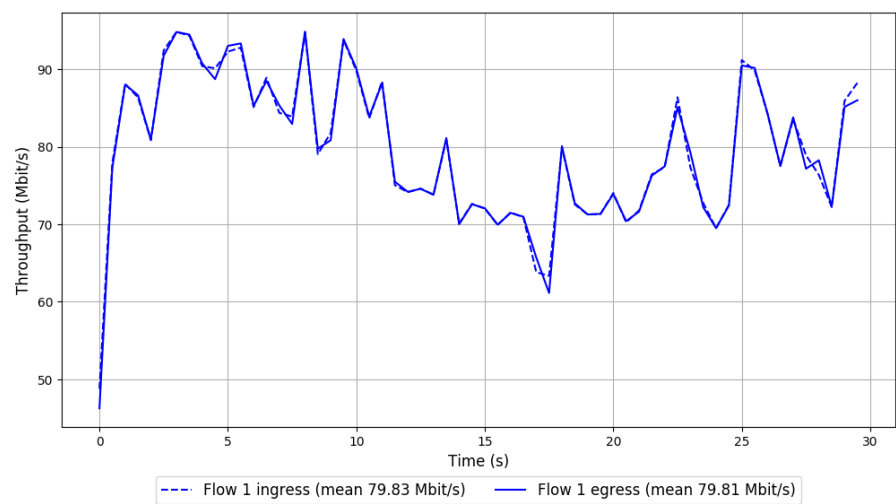


Run 5: Statistics of Copa

Start at: 2018-04-24 06:25:16
End at: 2018-04-24 06:25:46
Local clock offset: -15.616 ms
Remote clock offset: -10.628 ms

Below is generated by plot.py at 2018-04-24 11:57:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.81 Mbit/s
95th percentile per-packet one-way delay: 20.862 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 79.81 Mbit/s
95th percentile per-packet one-way delay: 20.862 ms
Loss rate: 0.12%

Run 5: Report of Copa — Data Link

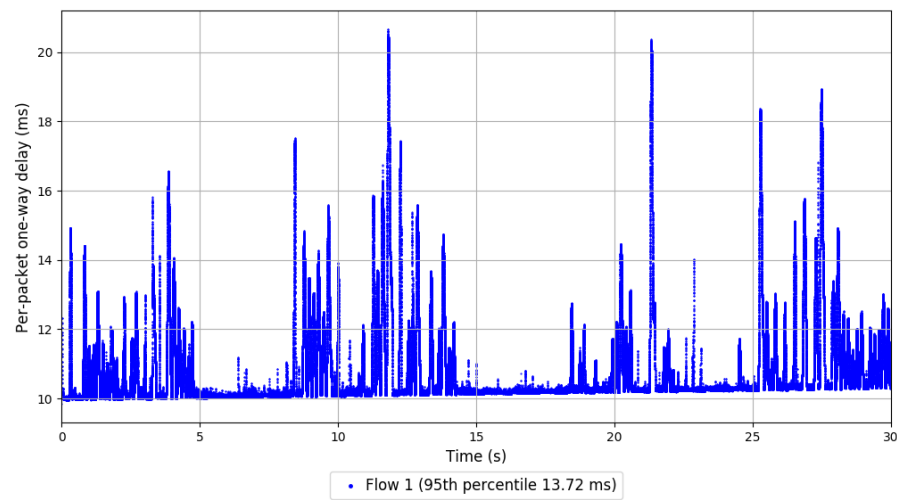
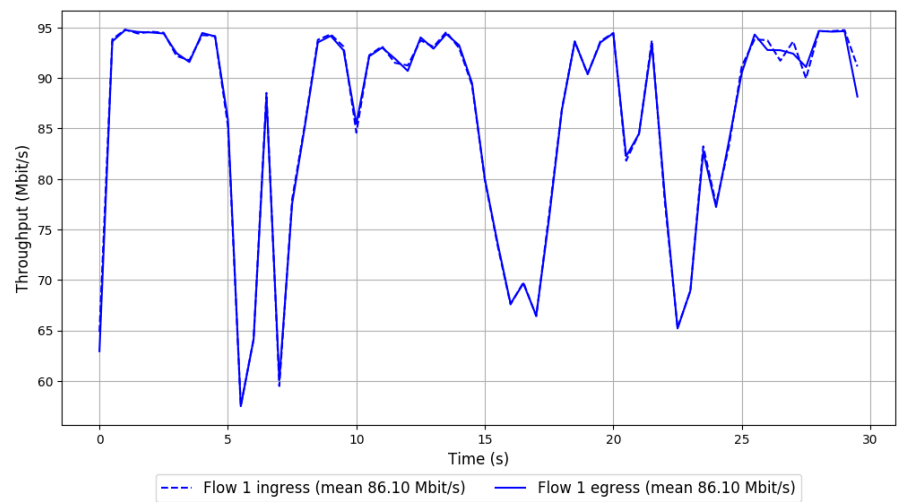


Run 6: Statistics of Copa

Start at: 2018-04-24 06:45:07
End at: 2018-04-24 06:45:37
Local clock offset: -19.048 ms
Remote clock offset: -2.756 ms

Below is generated by plot.py at 2018-04-24 11:57:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.10 Mbit/s
95th percentile per-packet one-way delay: 13.721 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 86.10 Mbit/s
95th percentile per-packet one-way delay: 13.721 ms
Loss rate: 0.10%

Run 6: Report of Copa — Data Link

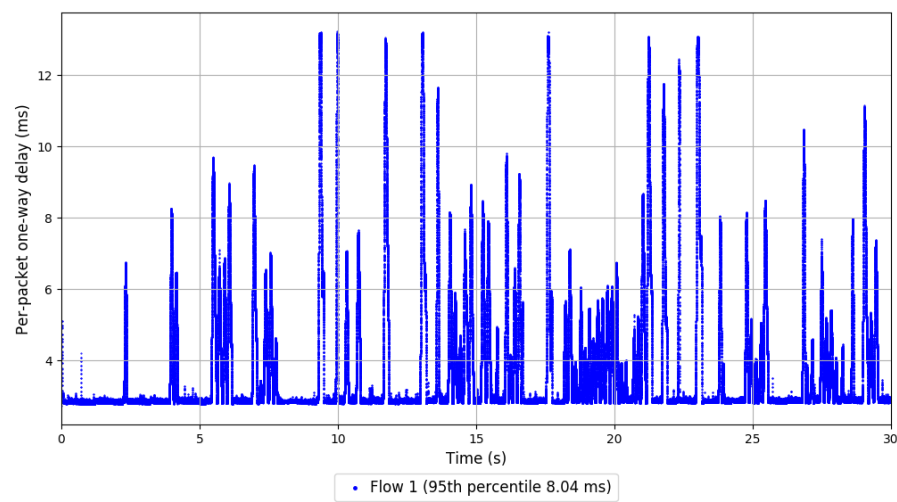
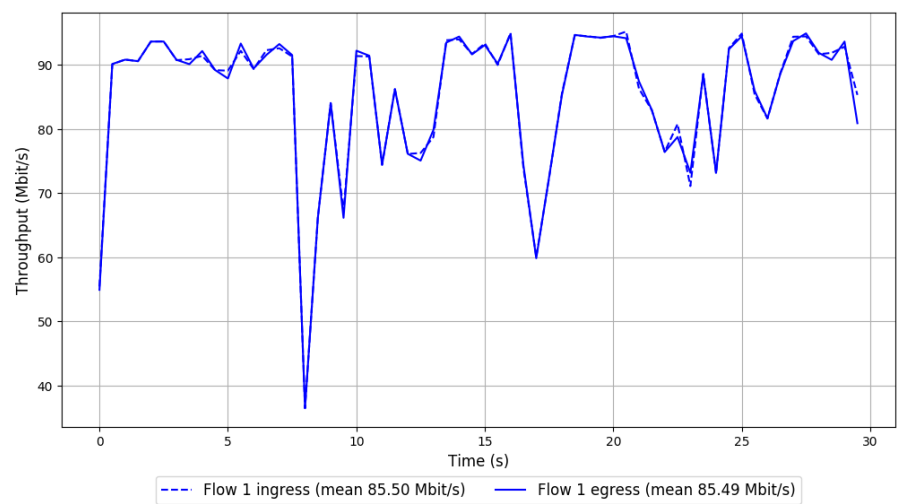


Run 7: Statistics of Copa

Start at: 2018-04-24 07:05:01
End at: 2018-04-24 07:05:31
Local clock offset: -11.707 ms
Remote clock offset: 7.098 ms

Below is generated by plot.py at 2018-04-24 11:57:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.49 Mbit/s
95th percentile per-packet one-way delay: 8.038 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 85.49 Mbit/s
95th percentile per-packet one-way delay: 8.038 ms
Loss rate: 0.10%

Run 7: Report of Copa — Data Link

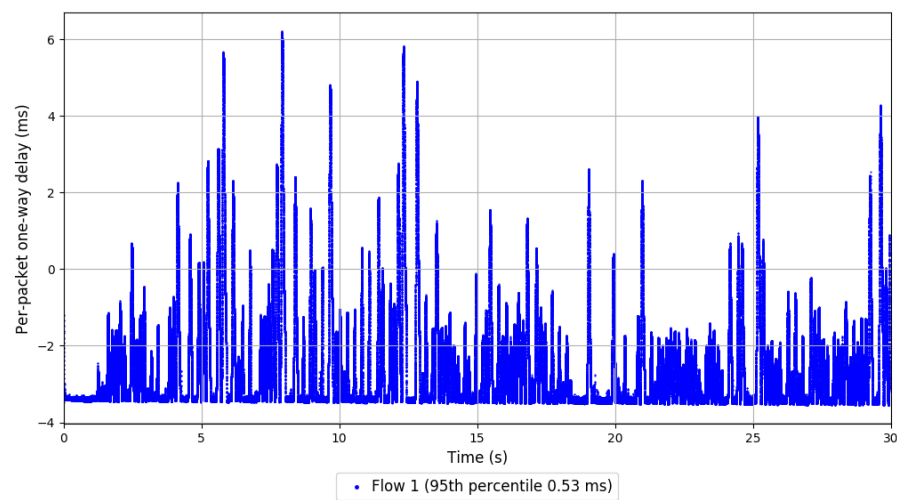
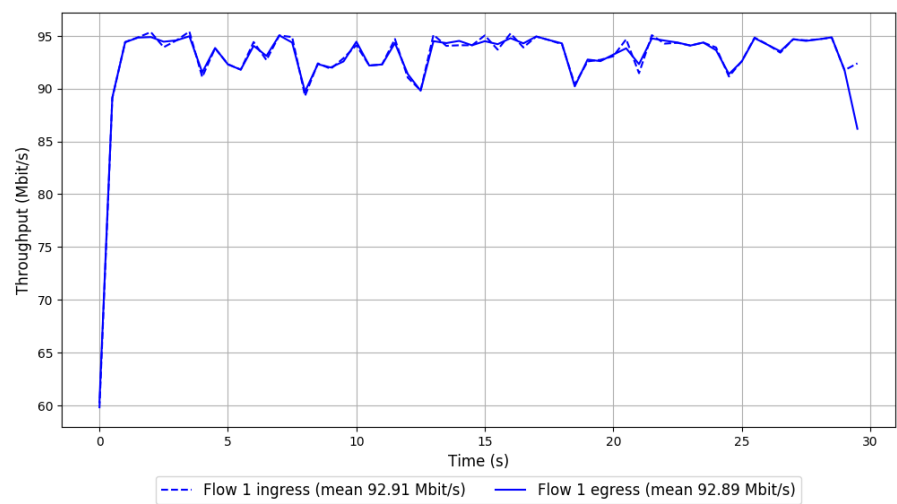


Run 8: Statistics of Copa

Start at: 2018-04-24 07:24:36
End at: 2018-04-24 07:25:06
Local clock offset: -11.722 ms
Remote clock offset: 10.473 ms

Below is generated by plot.py at 2018-04-24 11:57:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.89 Mbit/s
95th percentile per-packet one-way delay: 0.525 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 92.89 Mbit/s
95th percentile per-packet one-way delay: 0.525 ms
Loss rate: 0.10%

Run 8: Report of Copa — Data Link

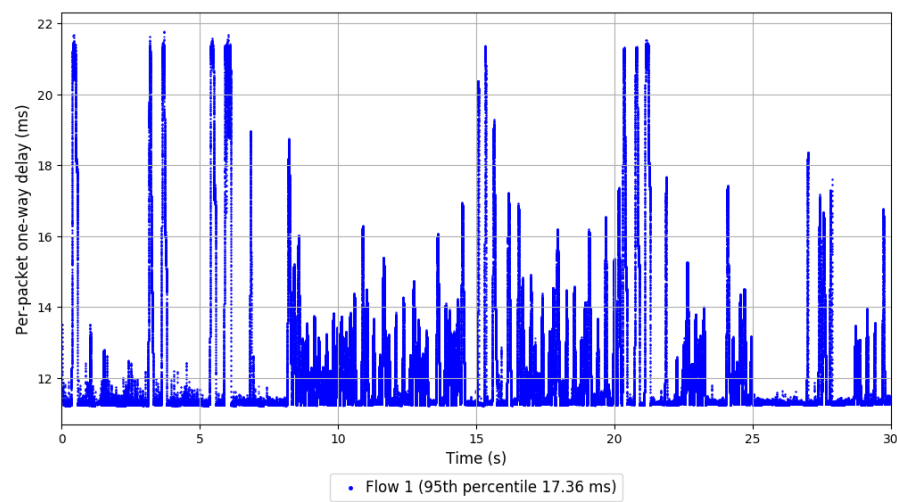
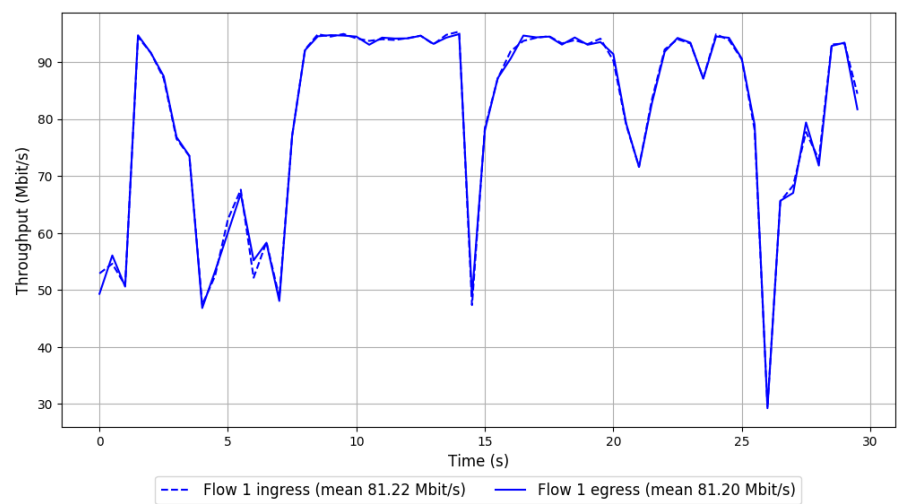


Run 9: Statistics of Copa

Start at: 2018-04-24 07:44:07
End at: 2018-04-24 07:44:38
Local clock offset: -13.613 ms
Remote clock offset: -6.92 ms

Below is generated by plot.py at 2018-04-24 11:58:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.20 Mbit/s
95th percentile per-packet one-way delay: 17.362 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 81.20 Mbit/s
95th percentile per-packet one-way delay: 17.362 ms
Loss rate: 0.10%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-04-24 08:03:31

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

Local clock offset: -9.928 ms

Remote clock offset: -7.47 ms

Below is generated by plot.py at 2018-04-24 11:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.51 Mbit/s

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

Loss rate: 0.07%

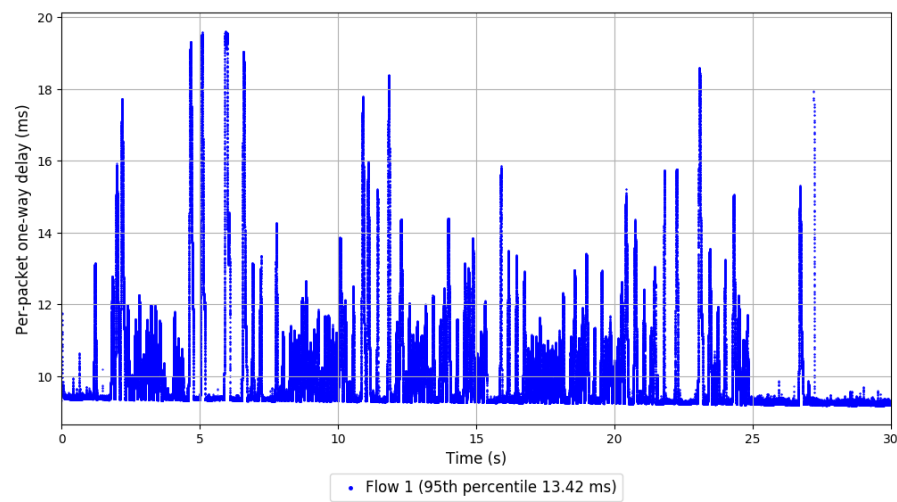
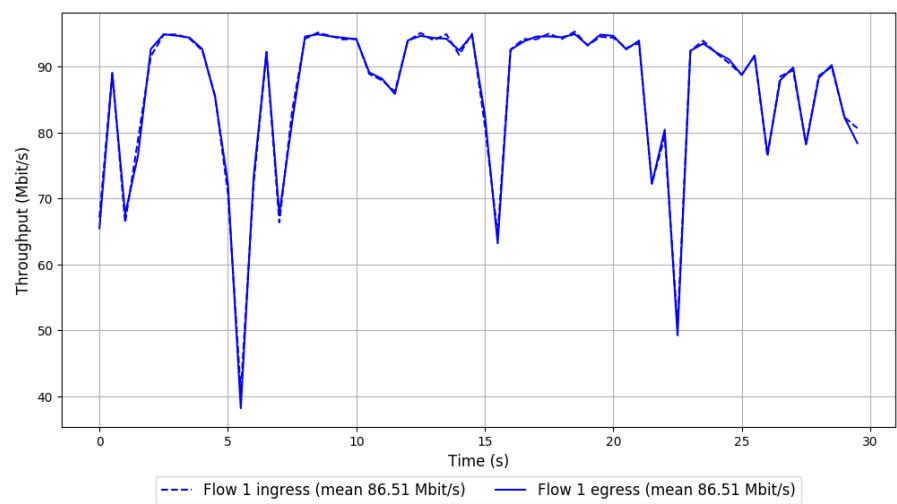
-- Flow 1:

Average throughput: 86.51 Mbit/s

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

Loss rate: 0.07%

Run 10: Report of Copa — Data Link

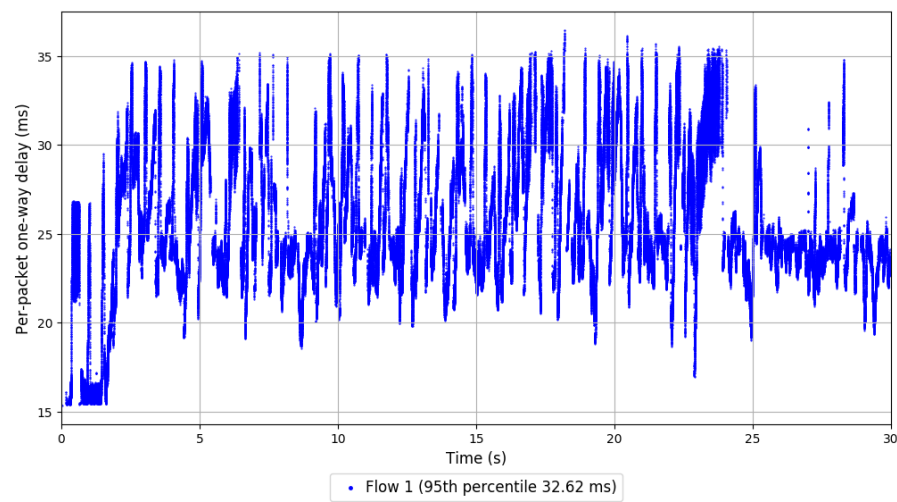
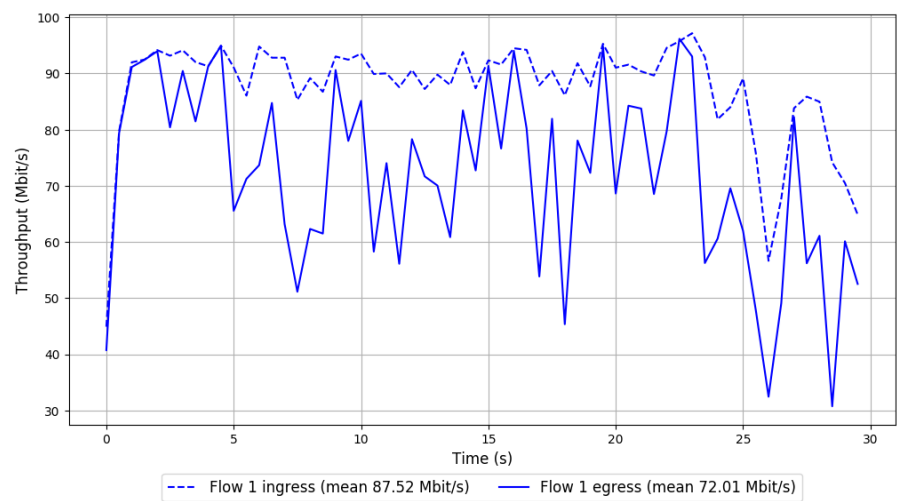


Run 1: Statistics of FillP

Start at: 2018-04-24 05:16:04
End at: 2018-04-24 05:16:34
Local clock offset: -12.006 ms
Remote clock offset: -10.287 ms

Below is generated by plot.py at 2018-04-24 11:59:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.01 Mbit/s
95th percentile per-packet one-way delay: 32.625 ms
Loss rate: 17.79%
-- Flow 1:
Average throughput: 72.01 Mbit/s
95th percentile per-packet one-way delay: 32.625 ms
Loss rate: 17.79%

Run 1: Report of FillP — Data Link

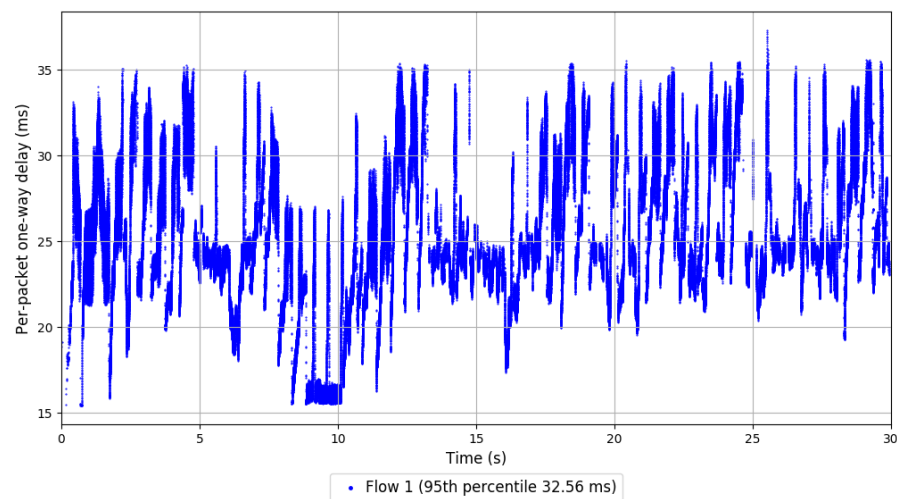
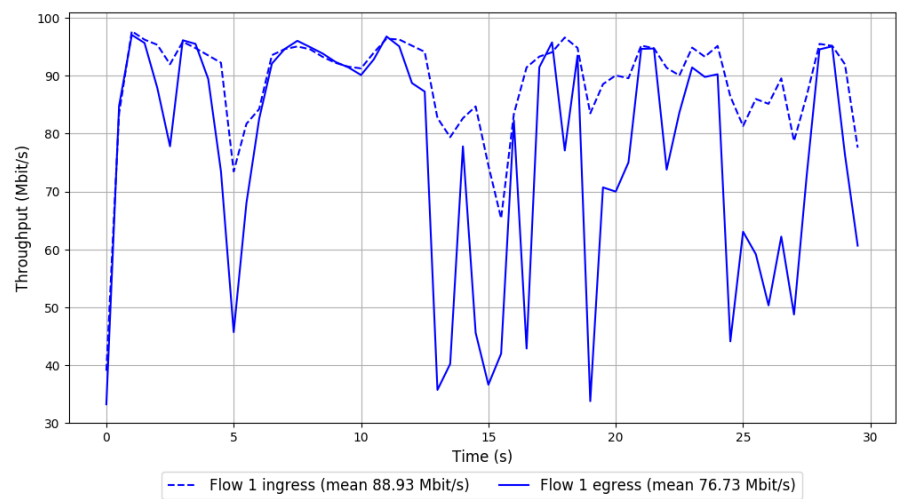


Run 2: Statistics of FillP

Start at: 2018-04-24 05:35:56
End at: 2018-04-24 05:36:26
Local clock offset: -19.887 ms
Remote clock offset: -9.181 ms

Below is generated by plot.py at 2018-04-24 11:59:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.73 Mbit/s
95th percentile per-packet one-way delay: 32.565 ms
Loss rate: 13.82%
-- Flow 1:
Average throughput: 76.73 Mbit/s
95th percentile per-packet one-way delay: 32.565 ms
Loss rate: 13.82%

Run 2: Report of FillP — Data Link

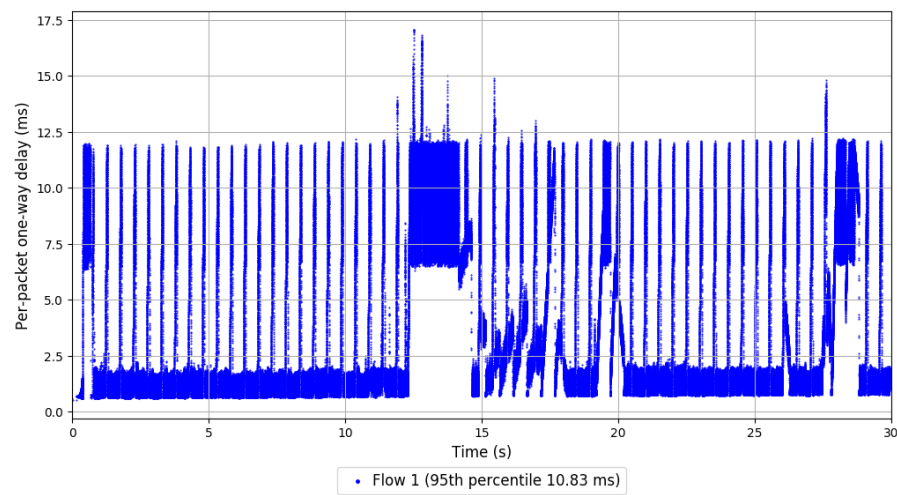
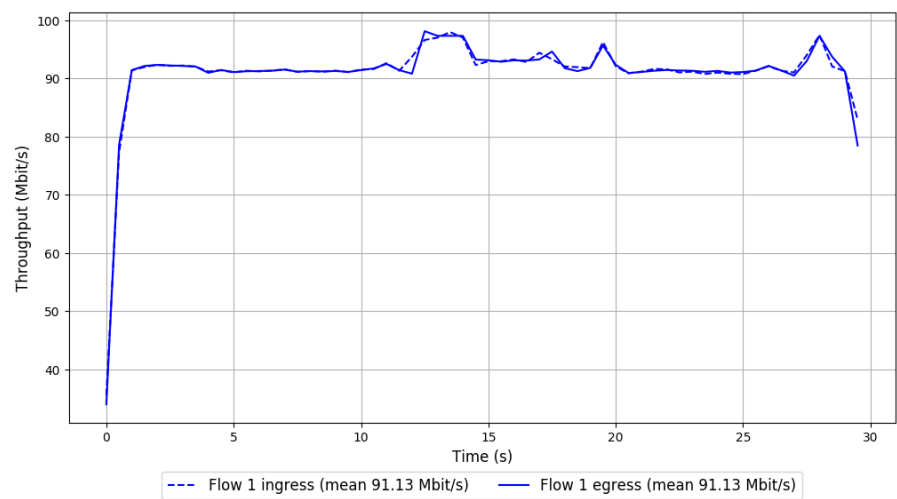


Run 3: Statistics of FillP

Start at: 2018-04-24 05:56:06
End at: 2018-04-24 05:56:36
Local clock offset: -14.833 ms
Remote clock offset: 7.904 ms

Below is generated by plot.py at 2018-04-24 11:59:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.13 Mbit/s
95th percentile per-packet one-way delay: 10.834 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 91.13 Mbit/s
95th percentile per-packet one-way delay: 10.834 ms
Loss rate: 0.09%

Run 3: Report of FillP — Data Link

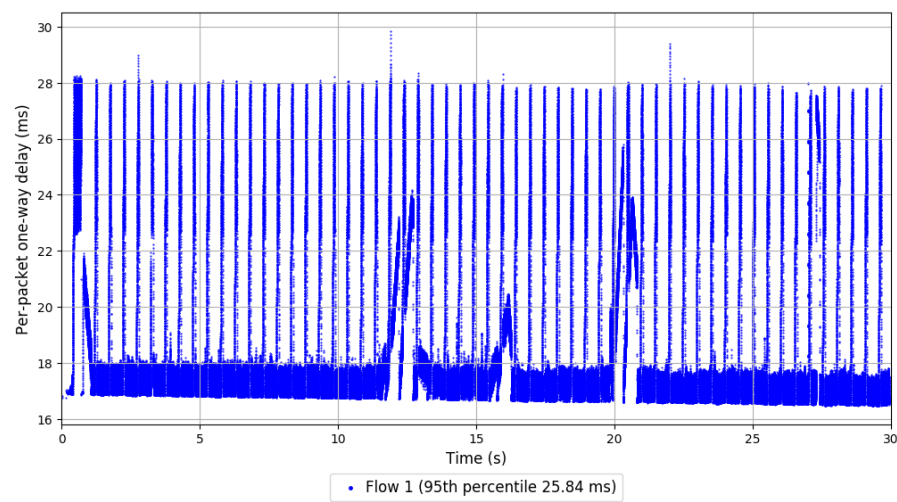
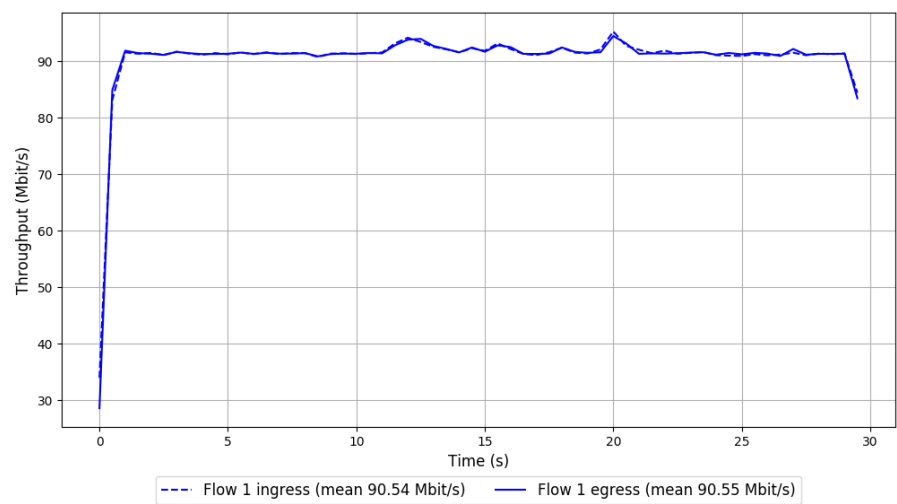


Run 4: Statistics of FillP

Start at: 2018-04-24 06:15:56
End at: 2018-04-24 06:16:26
Local clock offset: -18.403 ms
Remote clock offset: -8.691 ms

Below is generated by plot.py at 2018-04-24 11:59:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.55 Mbit/s
95th percentile per-packet one-way delay: 25.838 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 90.55 Mbit/s
95th percentile per-packet one-way delay: 25.838 ms
Loss rate: 0.08%

Run 4: Report of FillP — Data Link

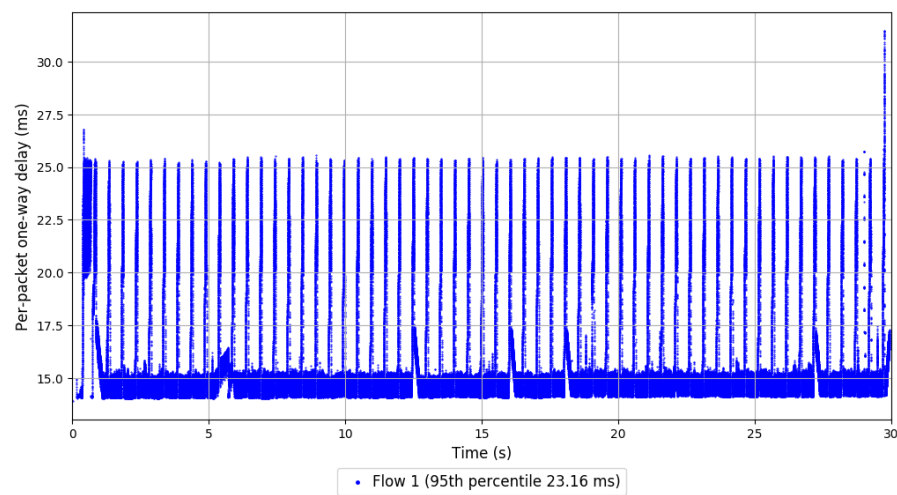
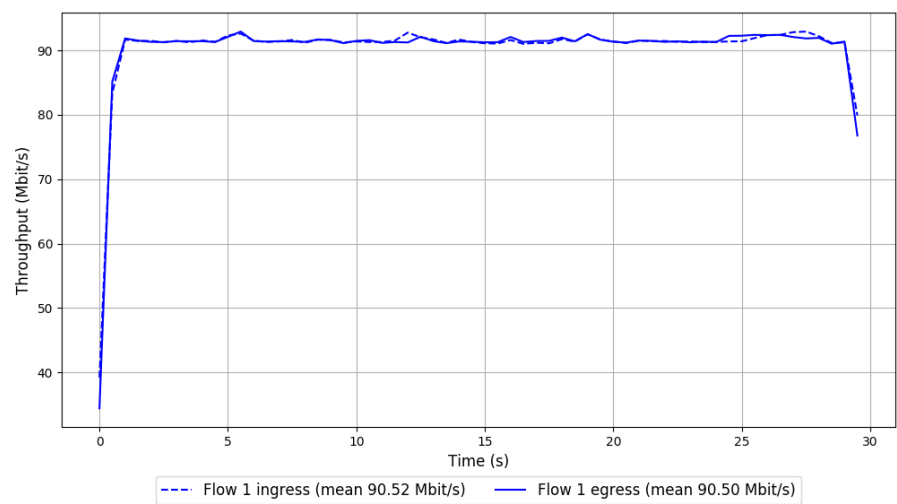


Run 5: Statistics of FillP

Start at: 2018-04-24 06:35:37
End at: 2018-04-24 06:36:07
Local clock offset: -17.203 ms
Remote clock offset: -7.588 ms

Below is generated by plot.py at 2018-04-24 11:59:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.50 Mbit/s
95th percentile per-packet one-way delay: 23.160 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 90.50 Mbit/s
95th percentile per-packet one-way delay: 23.160 ms
Loss rate: 0.11%

Run 5: Report of FillP — Data Link

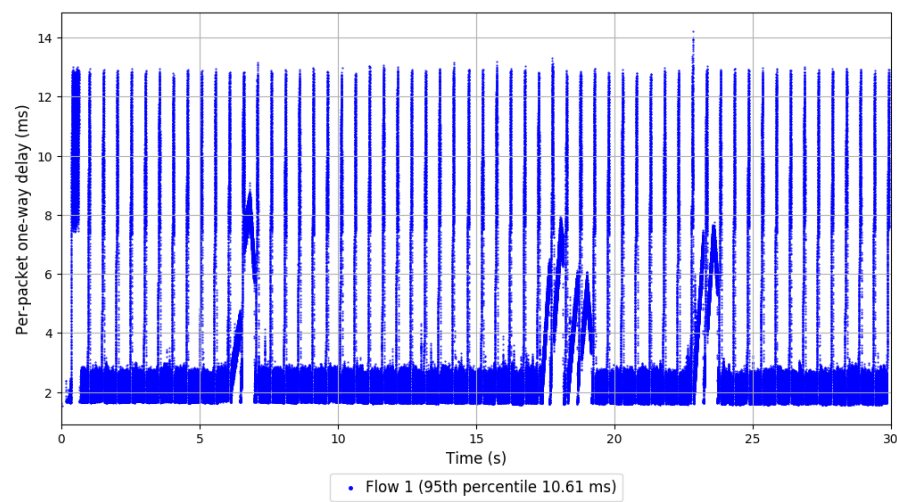
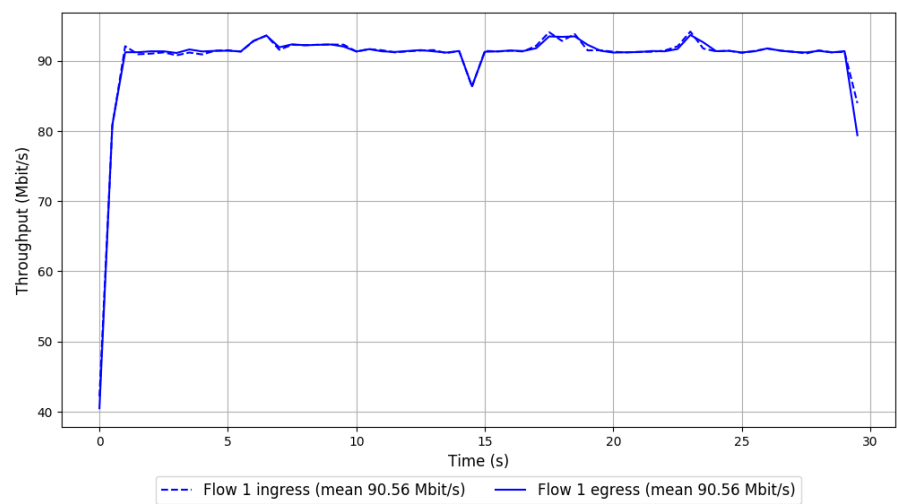


Run 6: Statistics of FillP

Start at: 2018-04-24 06:55:44
End at: 2018-04-24 06:56:14
Local clock offset: -13.268 ms
Remote clock offset: 7.186 ms

Below is generated by plot.py at 2018-04-24 11:59:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.56 Mbit/s
95th percentile per-packet one-way delay: 10.605 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 90.56 Mbit/s
95th percentile per-packet one-way delay: 10.605 ms
Loss rate: 0.09%

Run 6: Report of FillP — Data Link

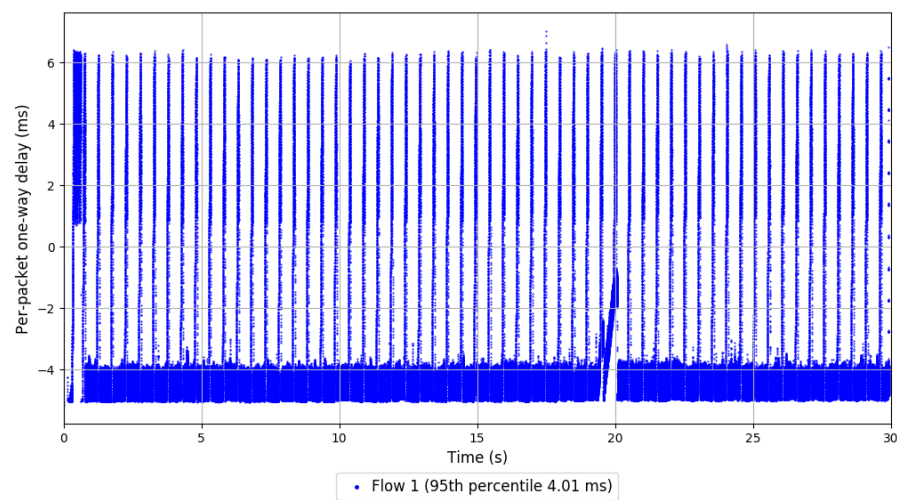
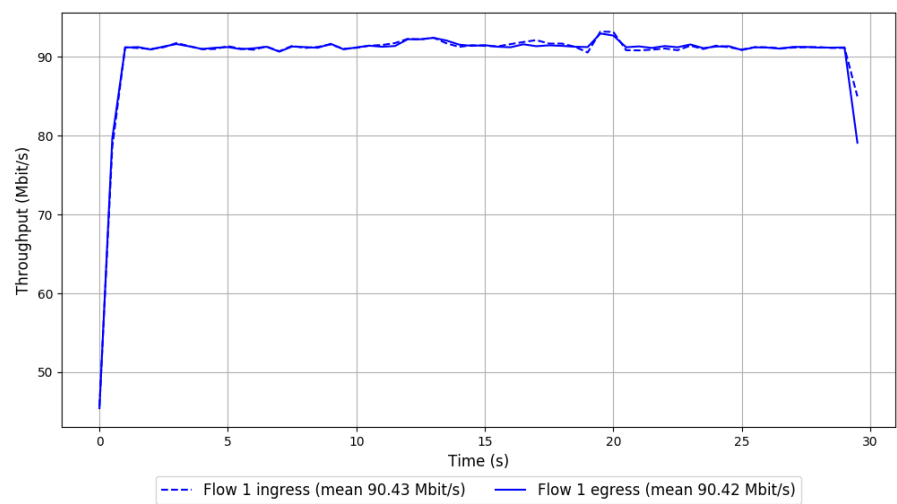


Run 7: Statistics of FillP

Start at: 2018-04-24 07:15:23
End at: 2018-04-24 07:15:53
Local clock offset: -14.468 ms
Remote clock offset: 10.276 ms

Below is generated by plot.py at 2018-04-24 11:59:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.42 Mbit/s
95th percentile per-packet one-way delay: 4.010 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 90.42 Mbit/s
95th percentile per-packet one-way delay: 4.010 ms
Loss rate: 0.09%

Run 7: Report of FillP — Data Link

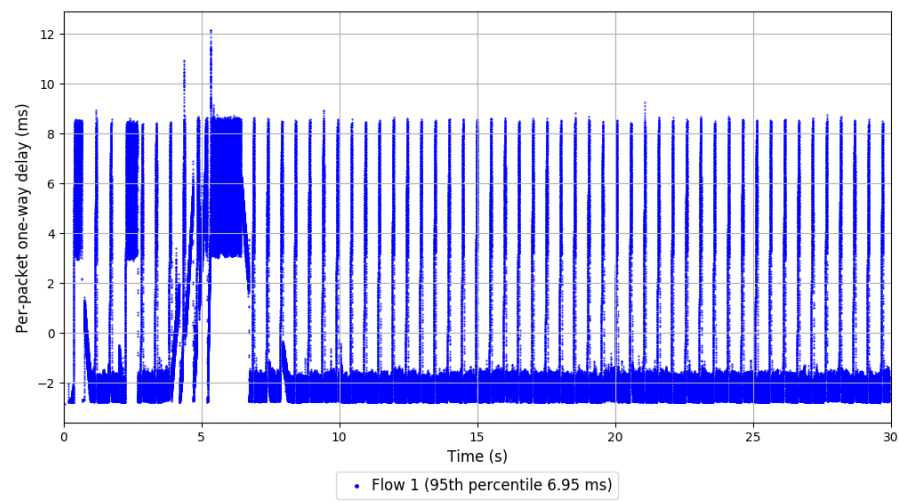
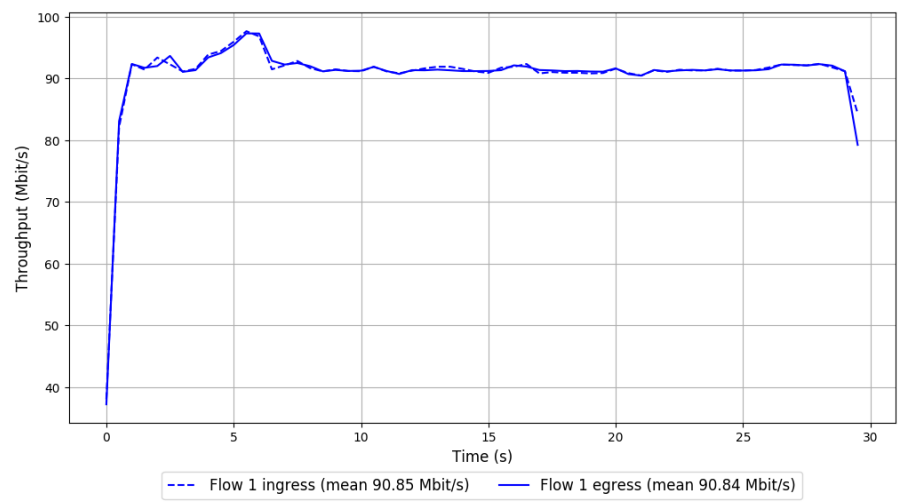


Run 8: Statistics of FillP

Start at: 2018-04-24 07:35:01
End at: 2018-04-24 07:35:31
Local clock offset: -14.518 ms
Remote clock offset: 6.022 ms

Below is generated by plot.py at 2018-04-24 11:59:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.84 Mbit/s
95th percentile per-packet one-way delay: 6.953 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 90.84 Mbit/s
95th percentile per-packet one-way delay: 6.953 ms
Loss rate: 0.09%

Run 8: Report of FillP — Data Link

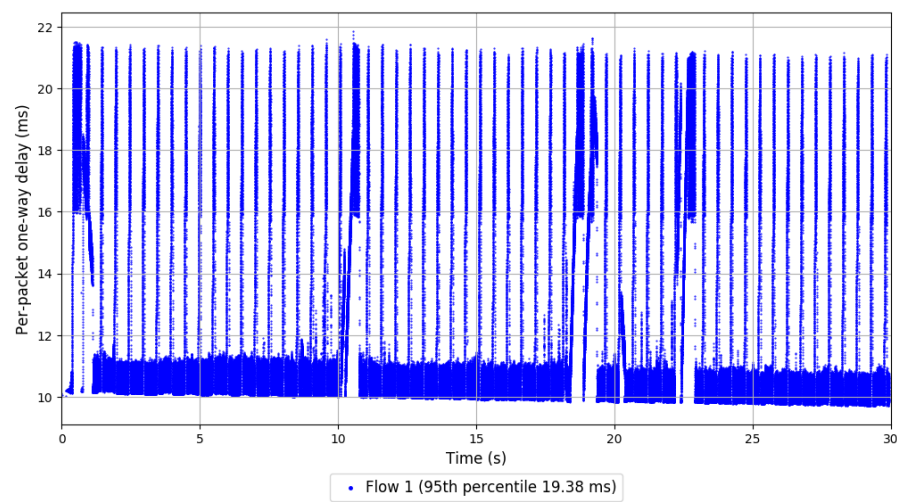
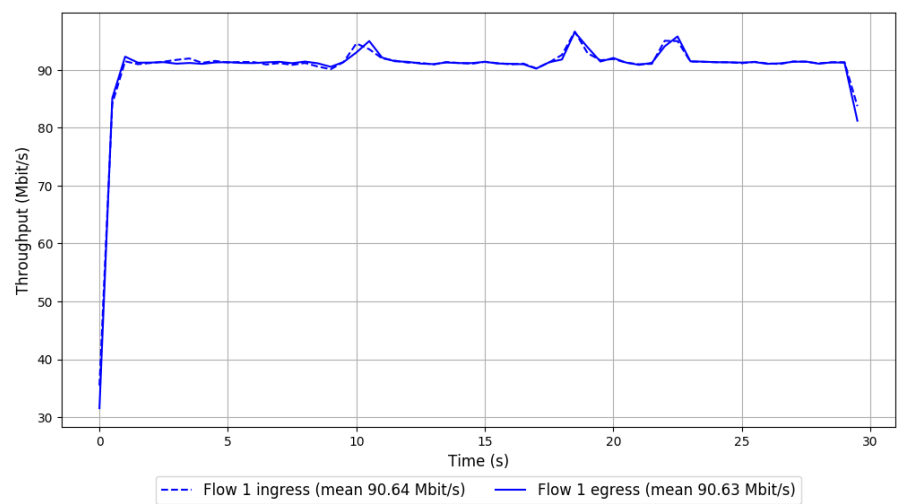


Run 9: Statistics of FillP

Start at: 2018-04-24 07:54:23
End at: 2018-04-24 07:54:53
Local clock offset: -12.327 ms
Remote clock offset: -5.117 ms

Below is generated by plot.py at 2018-04-24 11:59:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.63 Mbit/s
95th percentile per-packet one-way delay: 19.384 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 90.63 Mbit/s
95th percentile per-packet one-way delay: 19.384 ms
Loss rate: 0.08%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-04-24 08:13:59

End at: 2018-04-24 08:14:29

Local clock offset: -8.362 ms

Remote clock offset: 1.47 ms

Below is generated by plot.py at 2018-04-24 11:59:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.05 Mbit/s

95th percentile per-packet one-way delay: 9.521 ms

Loss rate: 0.12%

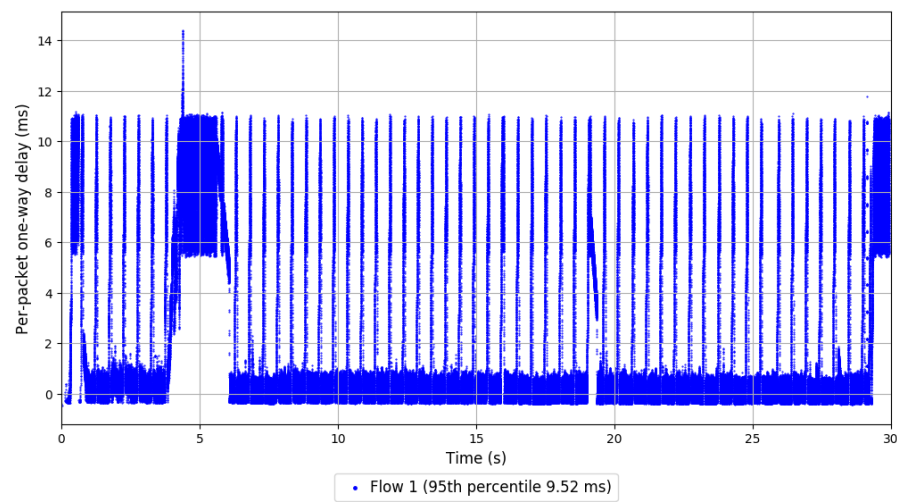
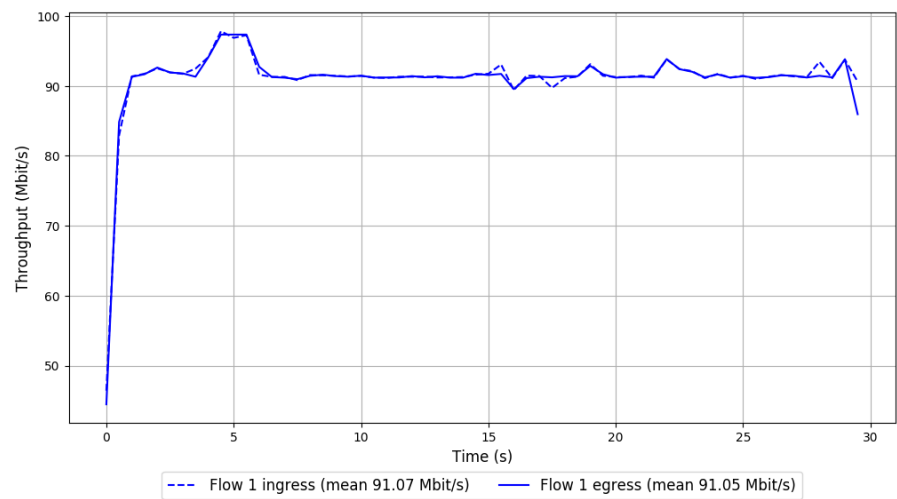
-- Flow 1:

Average throughput: 91.05 Mbit/s

95th percentile per-packet one-way delay: 9.521 ms

Loss rate: 0.12%

Run 10: Report of FillP — Data Link

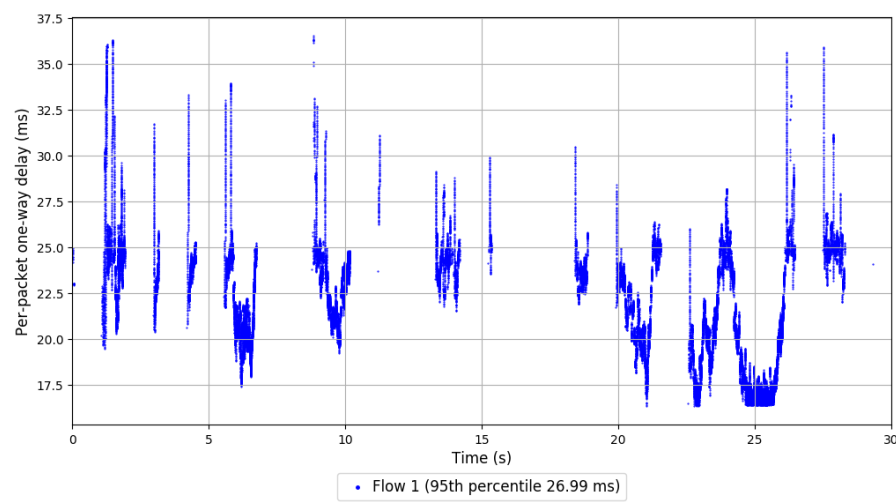
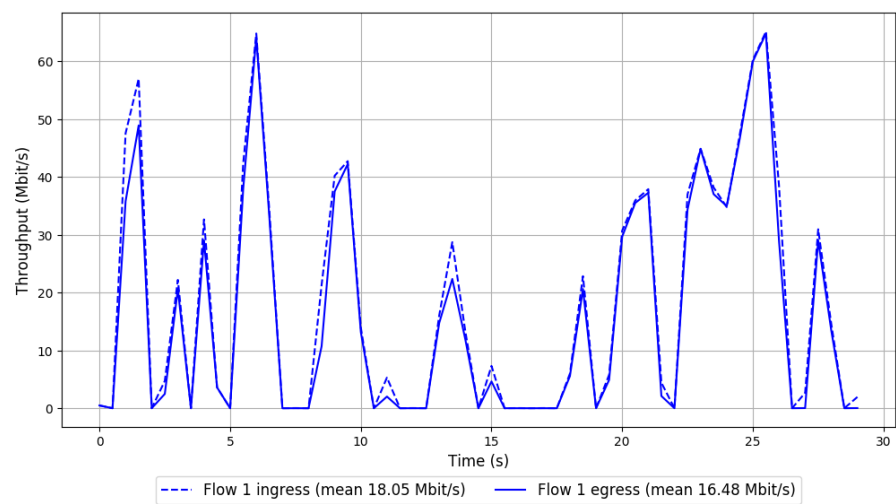


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-04-24 05:12:32
End at: 2018-04-24 05:13:03
Local clock offset: -9.728 ms
Remote clock offset: -12.246 ms

# Below is generated by plot.py at 2018-04-24 11:59:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.48 Mbit/s
95th percentile per-packet one-way delay: 26.994 ms
Loss rate: 8.81%
-- Flow 1:
Average throughput: 16.48 Mbit/s
95th percentile per-packet one-way delay: 26.994 ms
Loss rate: 8.81%
```

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



Run 2: Statistics of Indigo-1-32

Start at: 2018-04-24 05:32:26

End at: 2018-04-24 05:32:56

Local clock offset: -18.039 ms

Remote clock offset: -10.491 ms

Below is generated by plot.py at 2018-04-24 12:00:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.94 Mbit/s

95th percentile per-packet one-way delay: 20.414 ms

Loss rate: 0.12%

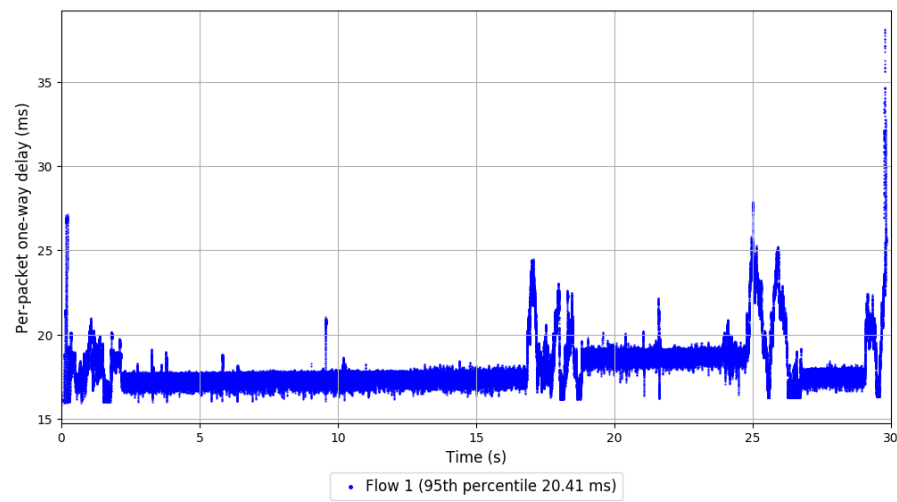
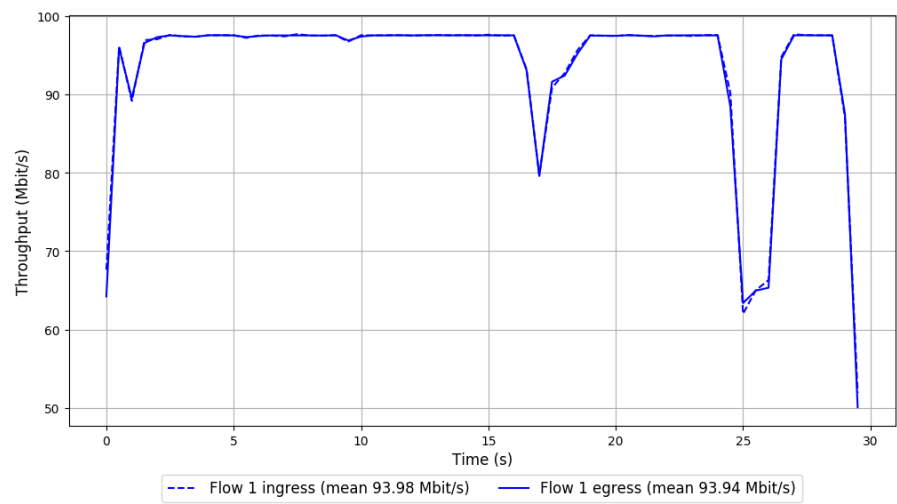
-- Flow 1:

Average throughput: 93.94 Mbit/s

95th percentile per-packet one-way delay: 20.414 ms

Loss rate: 0.12%

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

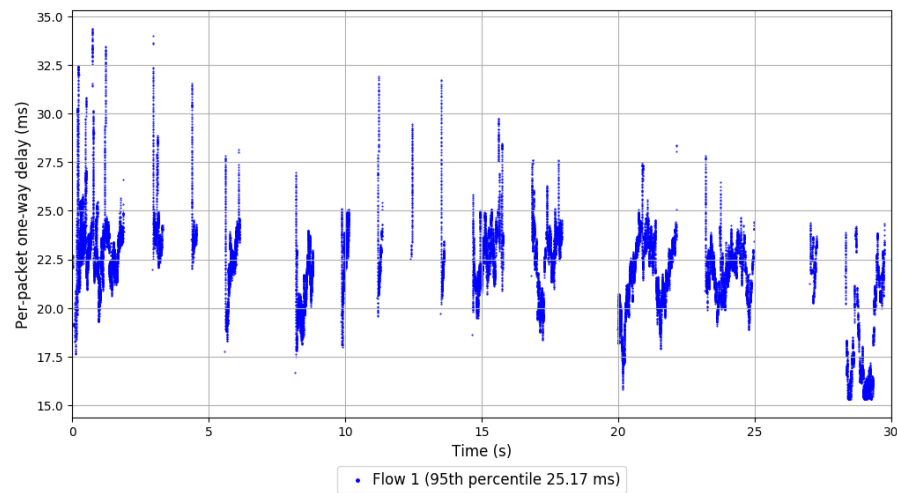
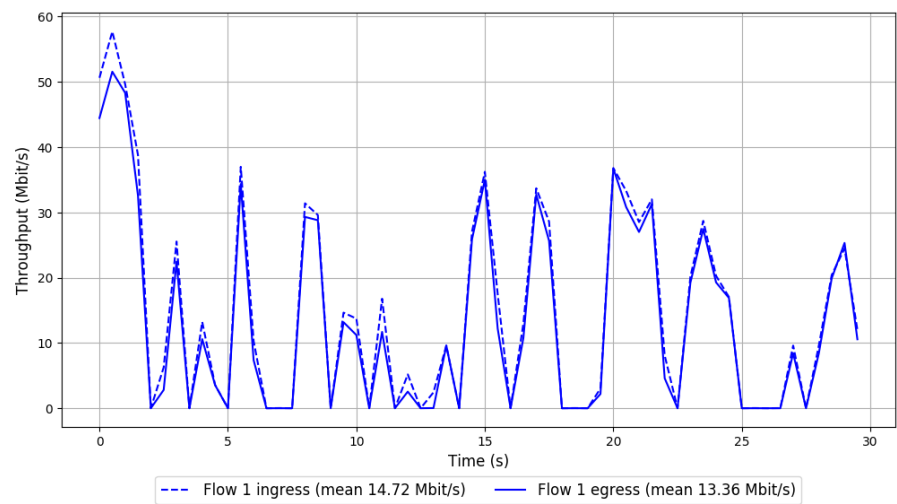


Run 3: Statistics of Indigo-1-32

Start at: 2018-04-24 05:52:35
End at: 2018-04-24 05:53:05
Local clock offset: -14.464 ms
Remote clock offset: -7.297 ms

Below is generated by plot.py at 2018-04-24 12:00:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.36 Mbit/s
95th percentile per-packet one-way delay: 25.166 ms
Loss rate: 9.30%
-- Flow 1:
Average throughput: 13.36 Mbit/s
95th percentile per-packet one-way delay: 25.166 ms
Loss rate: 9.30%

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

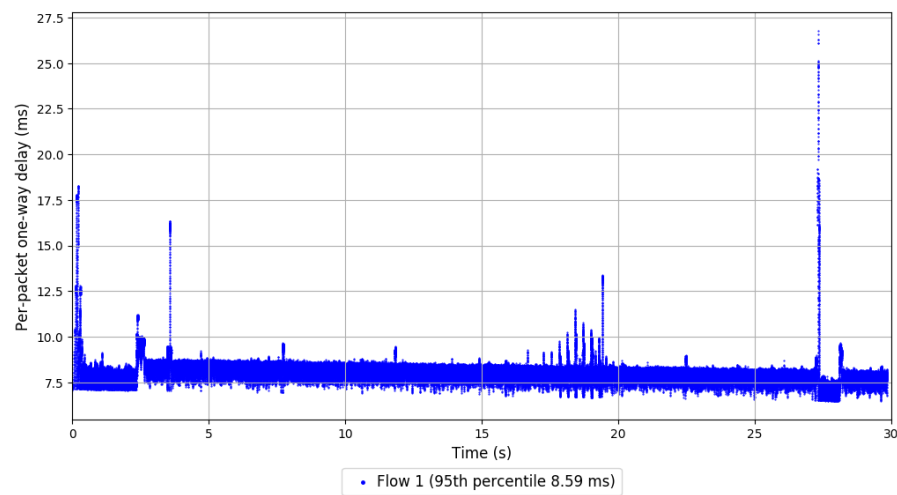
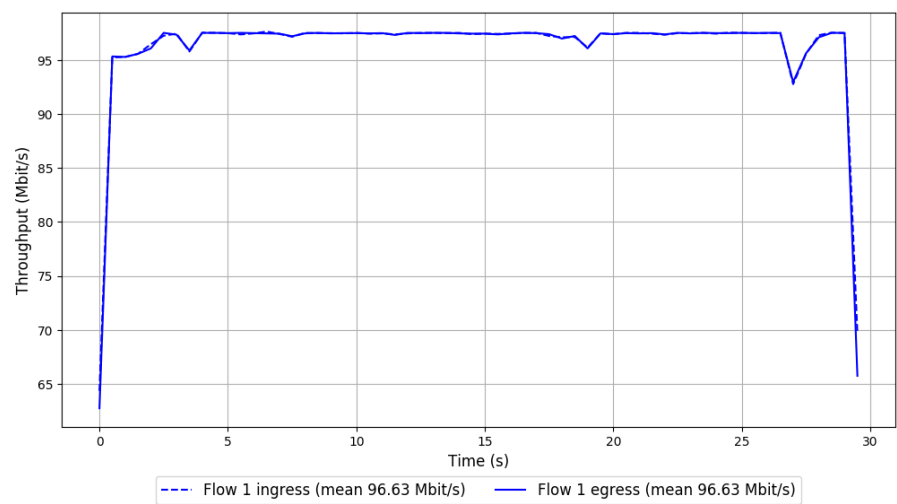


Run 4: Statistics of Indigo-1-32

Start at: 2018-04-24 06:12:24
End at: 2018-04-24 06:12:54
Local clock offset: -21.156 ms
Remote clock offset: 2.275 ms

Below is generated by plot.py at 2018-04-24 12:00:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.63 Mbit/s
95th percentile per-packet one-way delay: 8.588 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.63 Mbit/s
95th percentile per-packet one-way delay: 8.588 ms
Loss rate: 0.09%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-04-24 06:32:09

End at: 2018-04-24 06:32:39

Local clock offset: -16.714 ms

Remote clock offset: -10.102 ms

Below is generated by plot.py at 2018-04-24 12:00:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.53 Mbit/s

95th percentile per-packet one-way delay: 18.716 ms

Loss rate: 0.09%

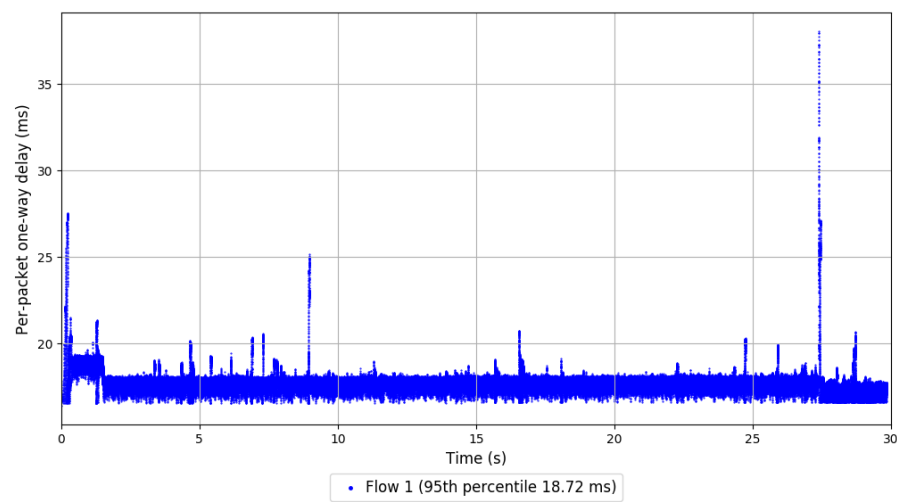
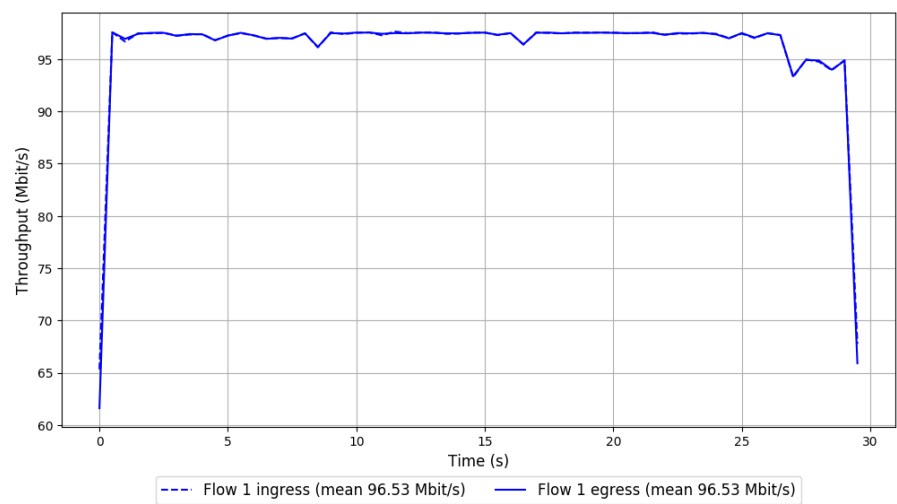
-- Flow 1:

Average throughput: 96.53 Mbit/s

95th percentile per-packet one-way delay: 18.716 ms

Loss rate: 0.09%

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

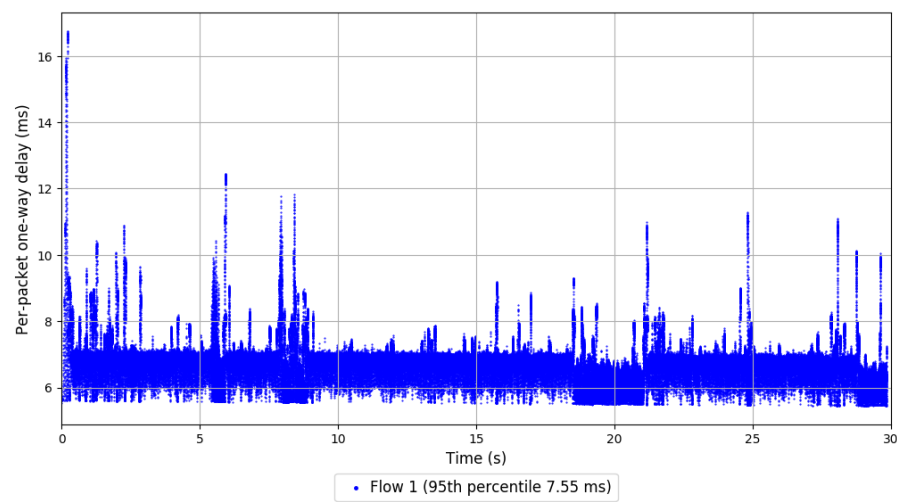
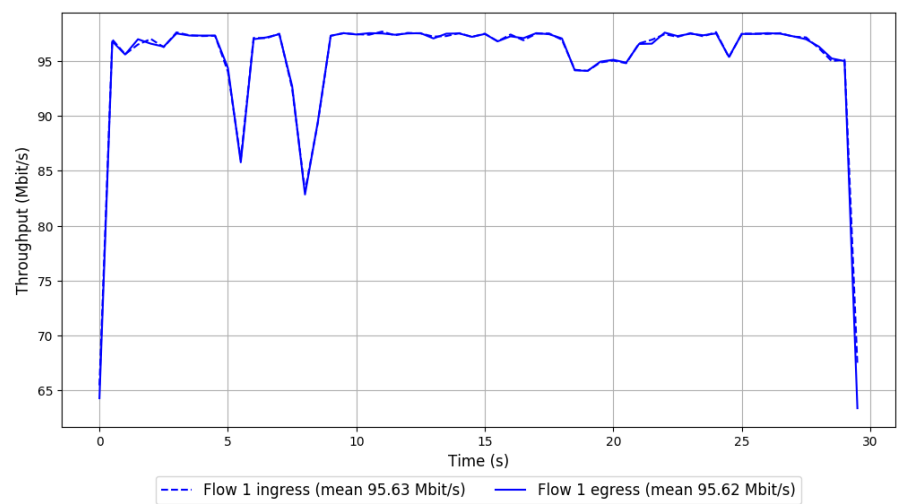


Run 6: Statistics of Indigo-1-32

Start at: 2018-04-24 06:52:09
End at: 2018-04-24 06:52:39
Local clock offset: -14.441 ms
Remote clock offset: 2.866 ms

Below is generated by plot.py at 2018-04-24 12:00:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.62 Mbit/s
95th percentile per-packet one-way delay: 7.549 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 95.62 Mbit/s
95th percentile per-packet one-way delay: 7.549 ms
Loss rate: 0.09%

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

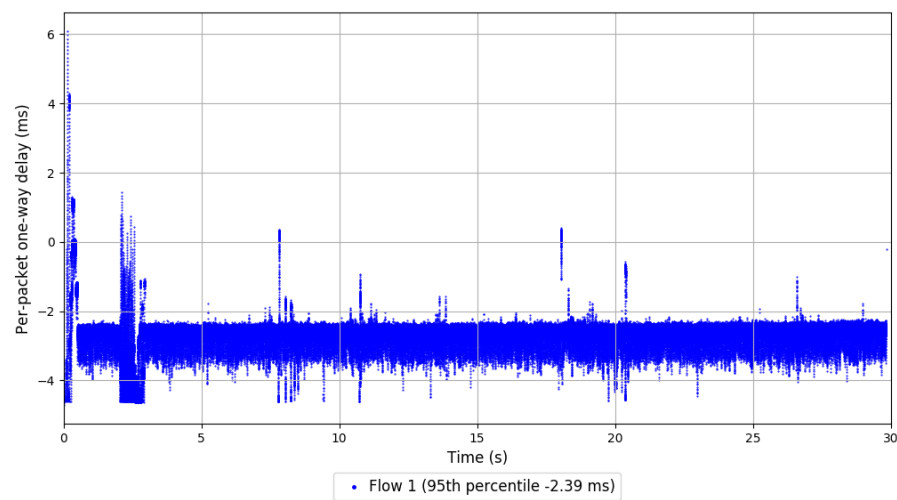
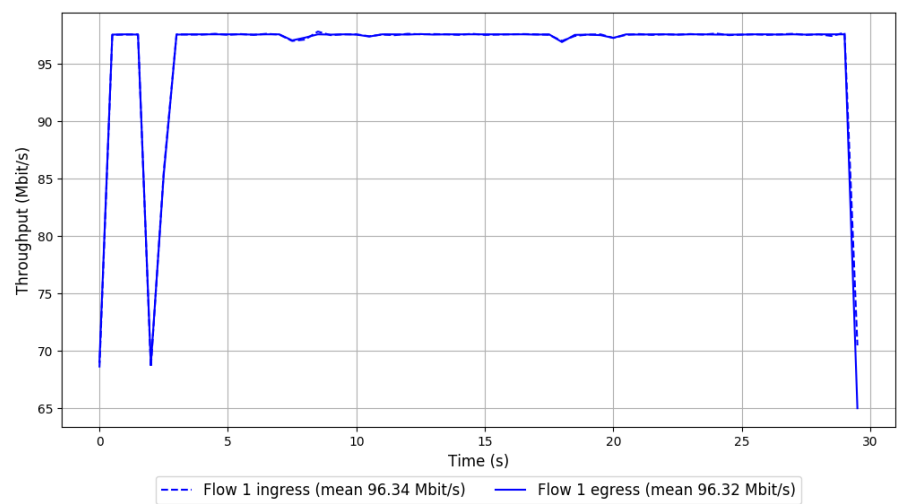


Run 7: Statistics of Indigo-1-32

Start at: 2018-04-24 07:11:56
End at: 2018-04-24 07:12:26
Local clock offset: -16.591 ms
Remote clock offset: 7.283 ms

Below is generated by plot.py at 2018-04-24 12:01:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.32 Mbit/s
95th percentile per-packet one-way delay: -2.391 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.32 Mbit/s
95th percentile per-packet one-way delay: -2.391 ms
Loss rate: 0.09%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-04-24 07:31:29

End at: 2018-04-24 07:31:59

Local clock offset: -11.92 ms

Remote clock offset: 9.333 ms

Below is generated by plot.py at 2018-04-24 12:01:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.22 Mbit/s

95th percentile per-packet one-way delay: -0.562 ms

Loss rate: 0.11%

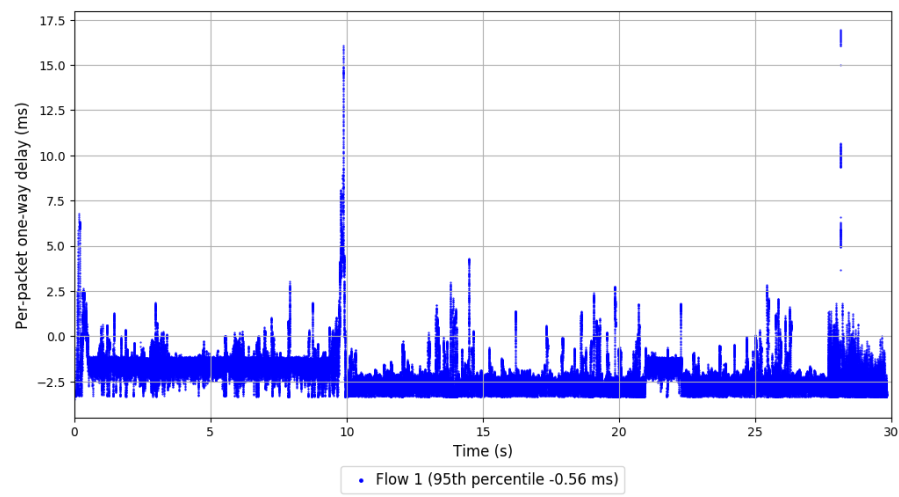
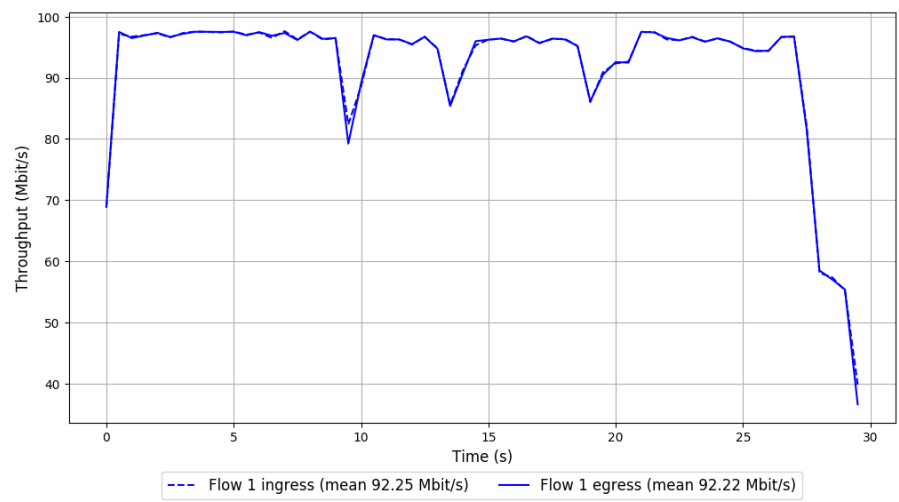
-- Flow 1:

Average throughput: 92.22 Mbit/s

95th percentile per-packet one-way delay: -0.562 ms

Loss rate: 0.11%

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

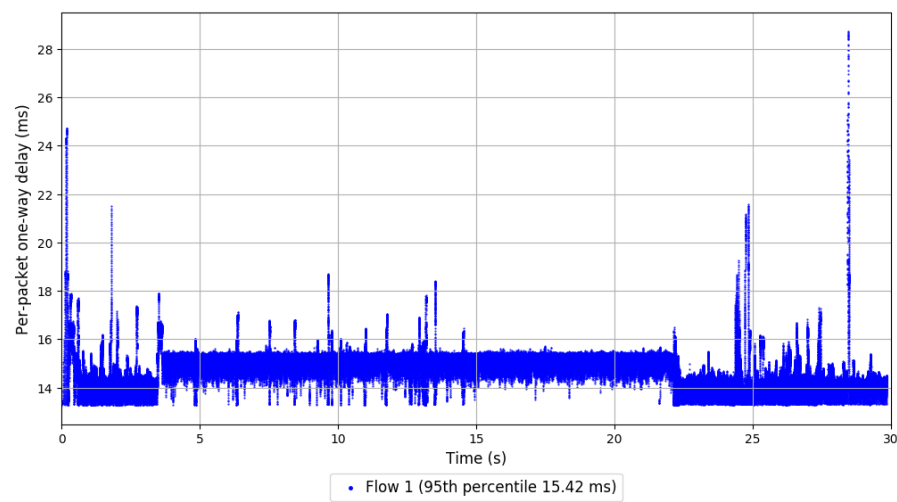
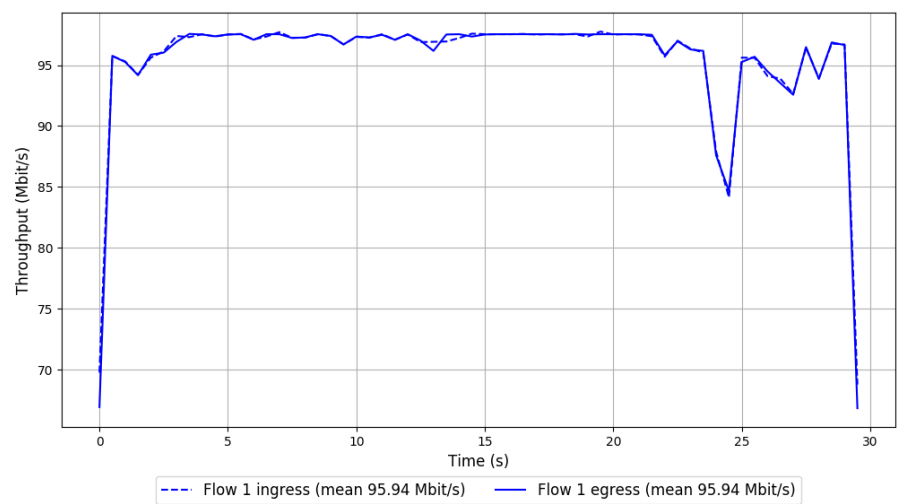


Run 9: Statistics of Indigo-1-32

Start at: 2018-04-24 07:50:56
End at: 2018-04-24 07:51:26
Local clock offset: -11.51 ms
Remote clock offset: -6.539 ms

Below is generated by plot.py at 2018-04-24 12:01:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.94 Mbit/s
95th percentile per-packet one-way delay: 15.422 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 95.94 Mbit/s
95th percentile per-packet one-way delay: 15.422 ms
Loss rate: 0.08%

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

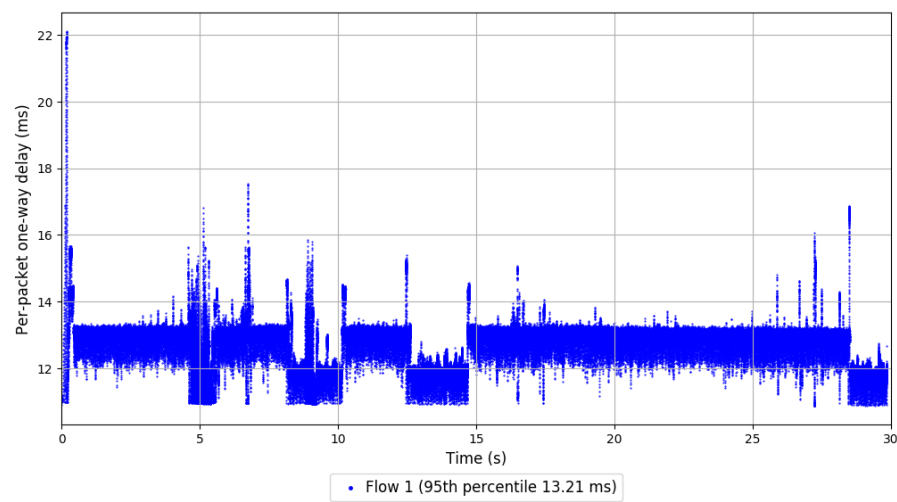
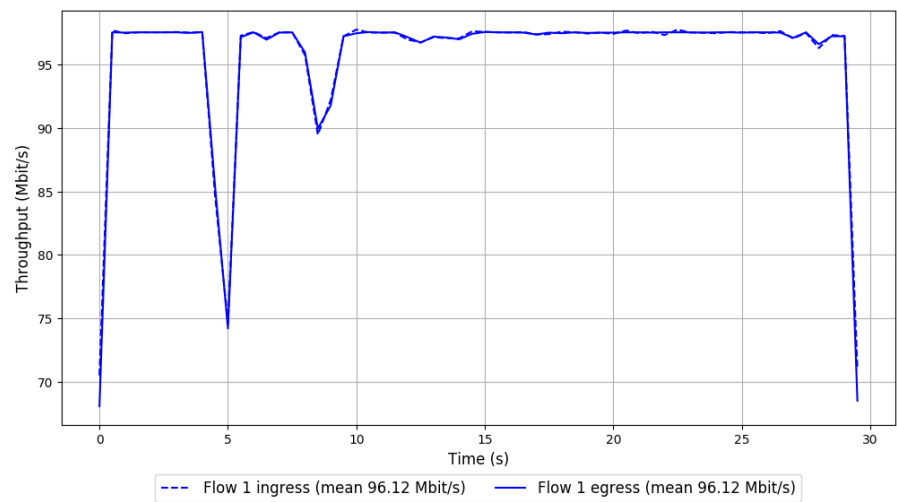


Run 10: Statistics of Indigo-1-32

Start at: 2018-04-24 08:10:28
End at: 2018-04-24 08:10:58
Local clock offset: -8.445 ms
Remote clock offset: -9.389 ms

Below is generated by plot.py at 2018-04-24 12:01:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.12 Mbit/s
95th percentile per-packet one-way delay: 13.207 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 96.12 Mbit/s
95th percentile per-packet one-way delay: 13.207 ms
Loss rate: 0.08%

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

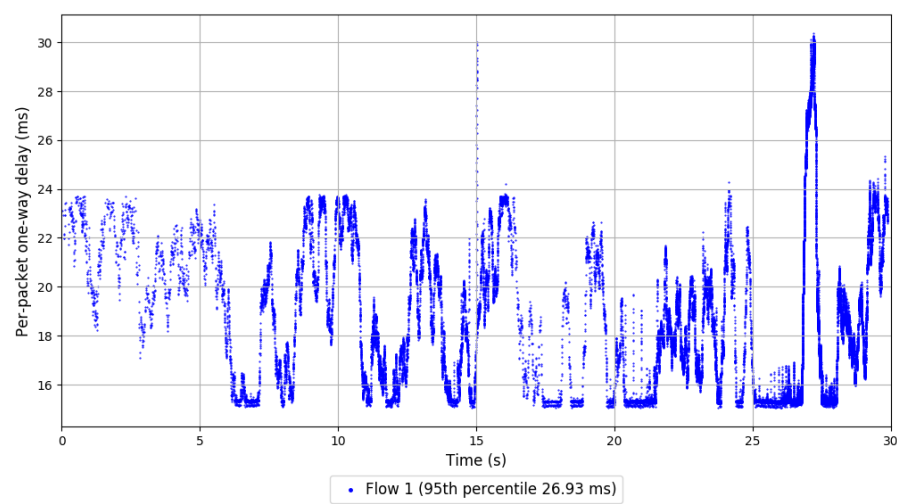
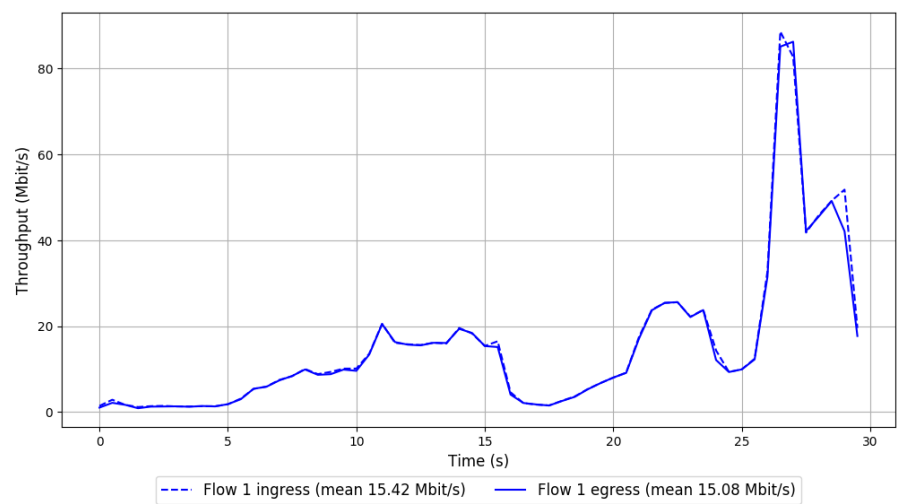


Run 1: Statistics of PCC-Vivace

Start at: 2018-04-24 05:23:17
End at: 2018-04-24 05:23:47
Local clock offset: -15.056 ms
Remote clock offset: -10.46 ms

Below is generated by plot.py at 2018-04-24 12:01:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.08 Mbit/s
95th percentile per-packet one-way delay: 26.933 ms
Loss rate: 2.35%
-- Flow 1:
Average throughput: 15.08 Mbit/s
95th percentile per-packet one-way delay: 26.933 ms
Loss rate: 2.35%

Run 1: Report of PCC-Vivace — Data Link

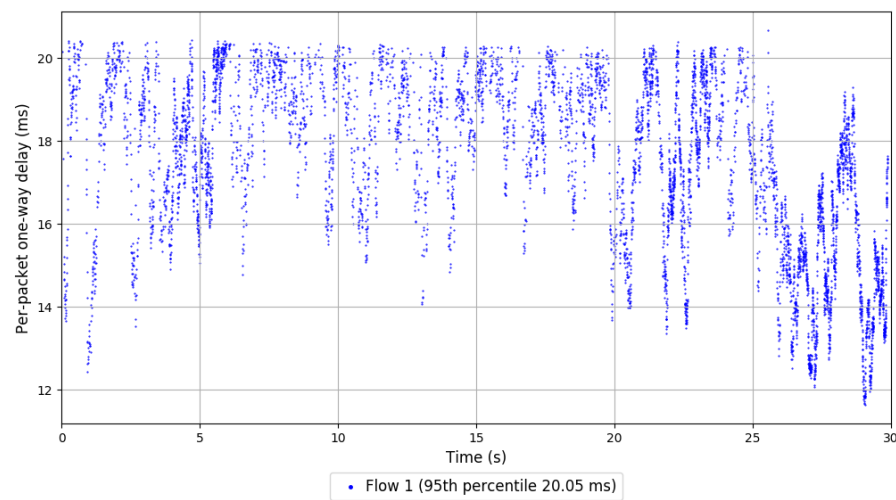
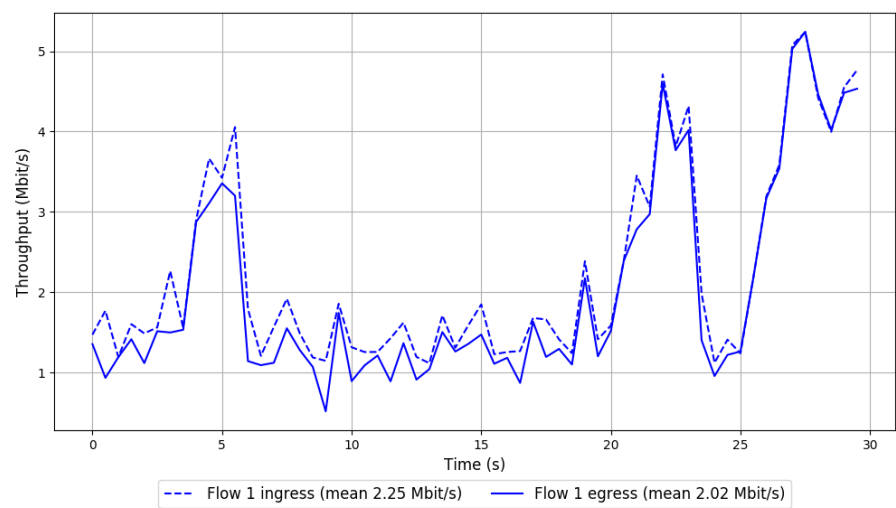


Run 2: Statistics of PCC-Vivace

Start at: 2018-04-24 05:43:17
End at: 2018-04-24 05:43:47
Local clock offset: -15.702 ms
Remote clock offset: -4.994 ms

Below is generated by plot.py at 2018-04-24 12:01:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 20.046 ms
Loss rate: 10.04%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 20.046 ms
Loss rate: 10.04%

Run 2: Report of PCC-Vivace — Data Link

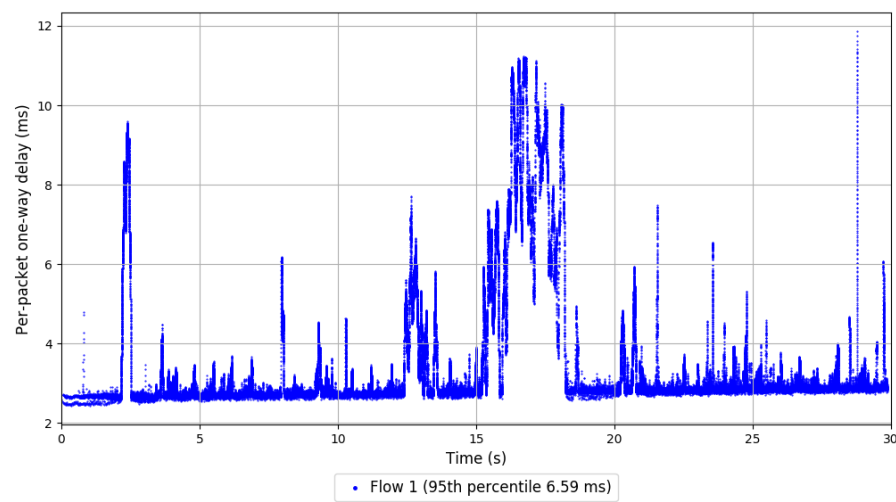
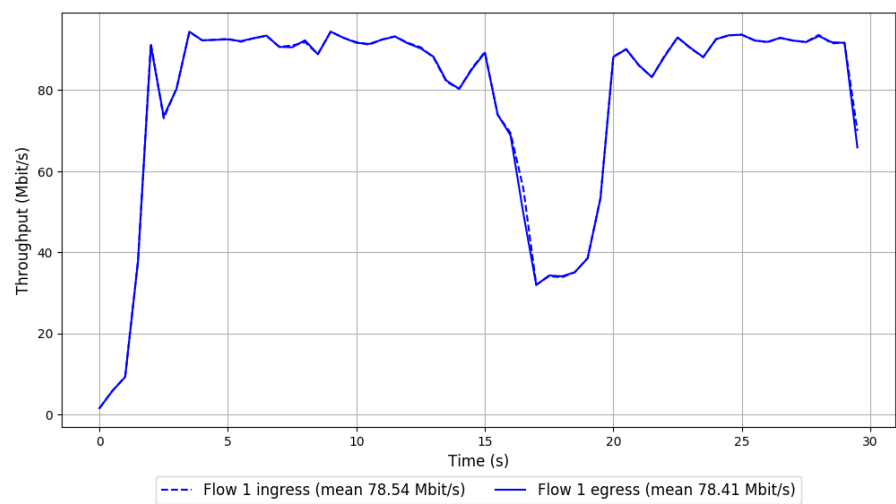


Run 3: Statistics of PCC-Vivace

Start at: 2018-04-24 06:02:59
End at: 2018-04-24 06:03:29
Local clock offset: -17.394 ms
Remote clock offset: 6.127 ms

Below is generated by plot.py at 2018-04-24 12:01:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.41 Mbit/s
95th percentile per-packet one-way delay: 6.595 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 78.41 Mbit/s
95th percentile per-packet one-way delay: 6.595 ms
Loss rate: 0.25%

Run 3: Report of PCC-Vivace — Data Link

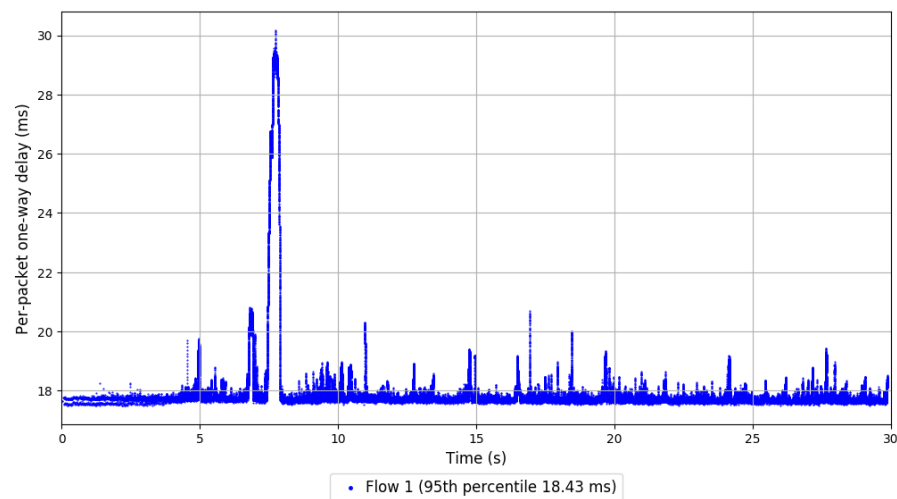
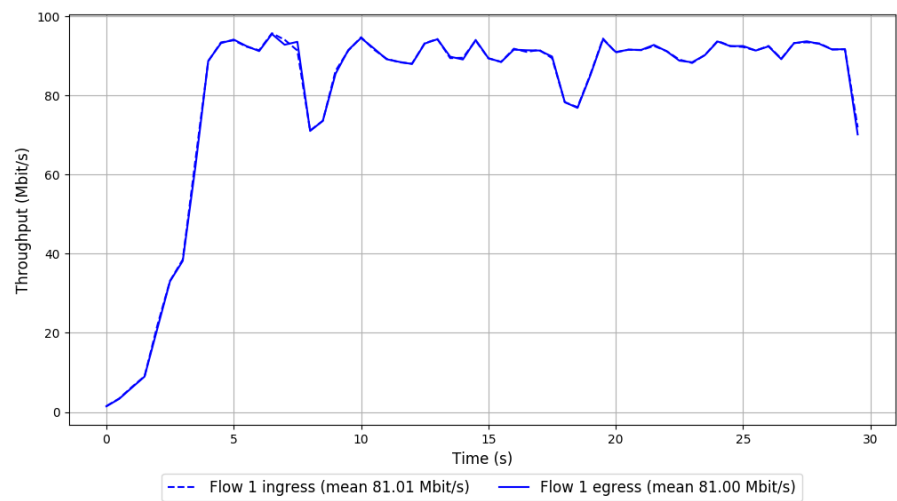


Run 4: Statistics of PCC-Vivace

Start at: 2018-04-24 06:22:47
End at: 2018-04-24 06:23:17
Local clock offset: -15.19 ms
Remote clock offset: -9.673 ms

Below is generated by plot.py at 2018-04-24 12:01:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.00 Mbit/s
95th percentile per-packet one-way delay: 18.435 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 81.00 Mbit/s
95th percentile per-packet one-way delay: 18.435 ms
Loss rate: 0.10%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-04-24 06:42:31

End at: 2018-04-24 06:43:01

Local clock offset: -18.36 ms

Remote clock offset: 4.614 ms

Below is generated by plot.py at 2018-04-24 12:01:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.63 Mbit/s

95th percentile per-packet one-way delay: 2.709 ms

Loss rate: 0.14%

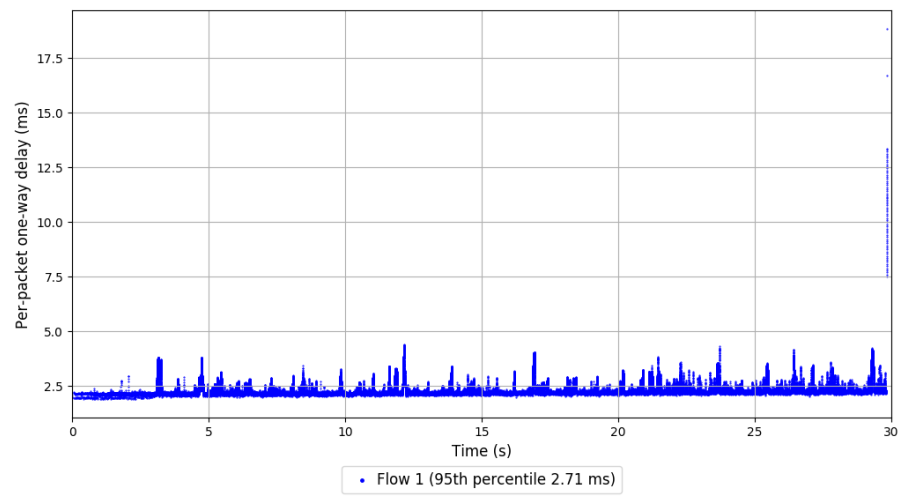
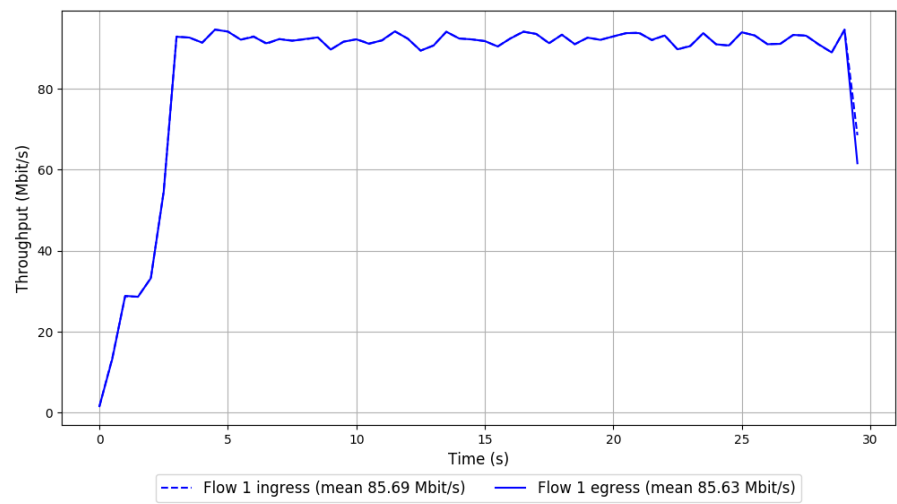
-- Flow 1:

Average throughput: 85.63 Mbit/s

95th percentile per-packet one-way delay: 2.709 ms

Loss rate: 0.14%

Run 5: Report of PCC-Vivace — Data Link

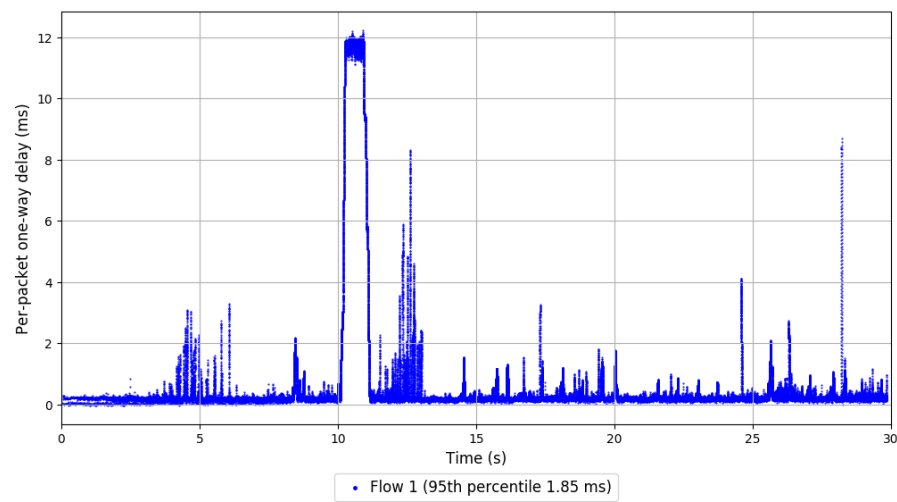
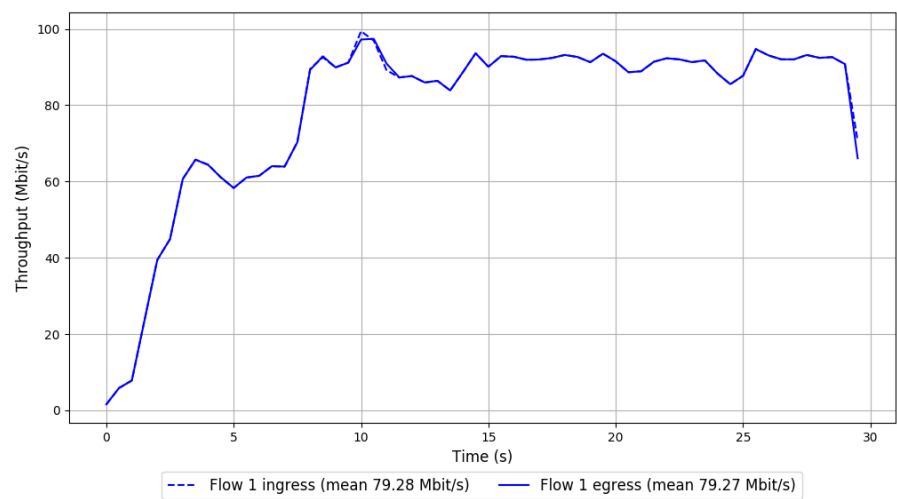


Run 6: Statistics of PCC-Vivace

Start at: 2018-04-24 07:02:36
End at: 2018-04-24 07:03:06
Local clock offset: -12.325 ms
Remote clock offset: 9.033 ms

Below is generated by plot.py at 2018-04-24 12:02:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.27 Mbit/s
95th percentile per-packet one-way delay: 1.855 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 79.27 Mbit/s
95th percentile per-packet one-way delay: 1.855 ms
Loss rate: 0.10%

Run 6: Report of PCC-Vivace — Data Link

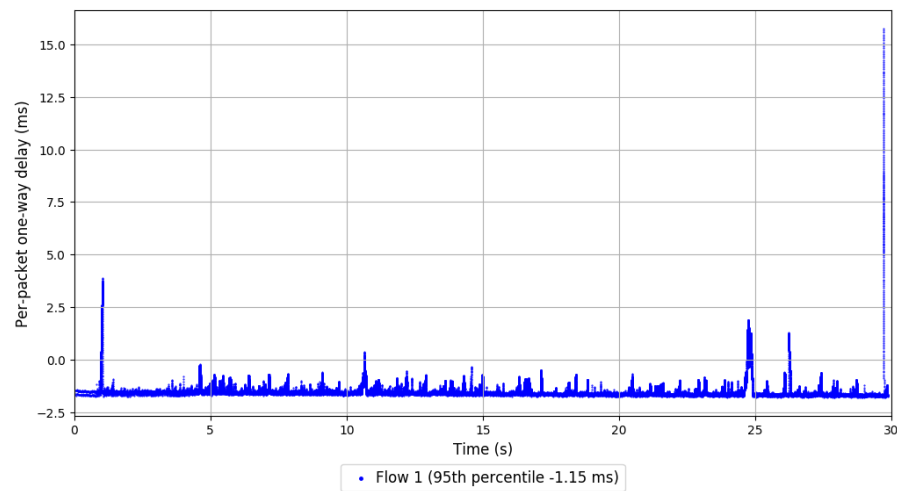
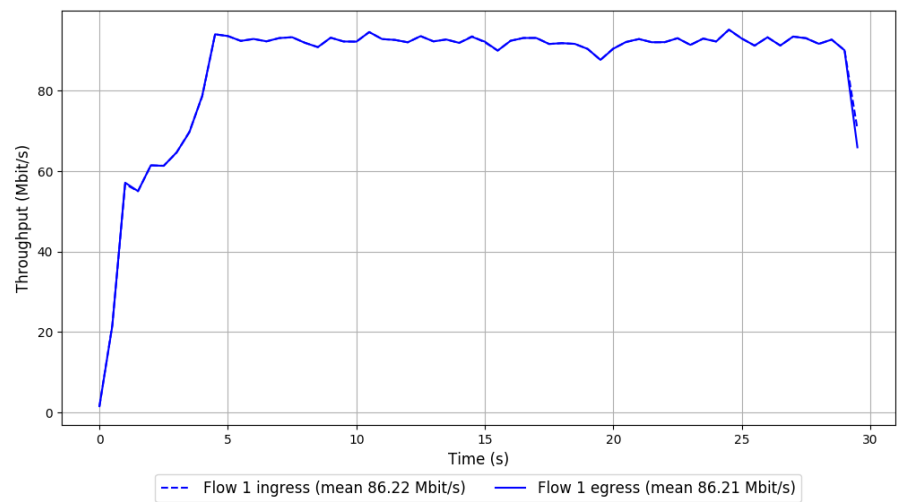


Run 7: Statistics of PCC-Vivace

Start at: 2018-04-24 07:22:13
End at: 2018-04-24 07:22:43
Local clock offset: -16.547 ms
Remote clock offset: 4.386 ms

Below is generated by plot.py at 2018-04-24 12:02:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.21 Mbit/s
95th percentile per-packet one-way delay: -1.152 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 86.21 Mbit/s
95th percentile per-packet one-way delay: -1.152 ms
Loss rate: 0.08%

Run 7: Report of PCC-Vivace — Data Link

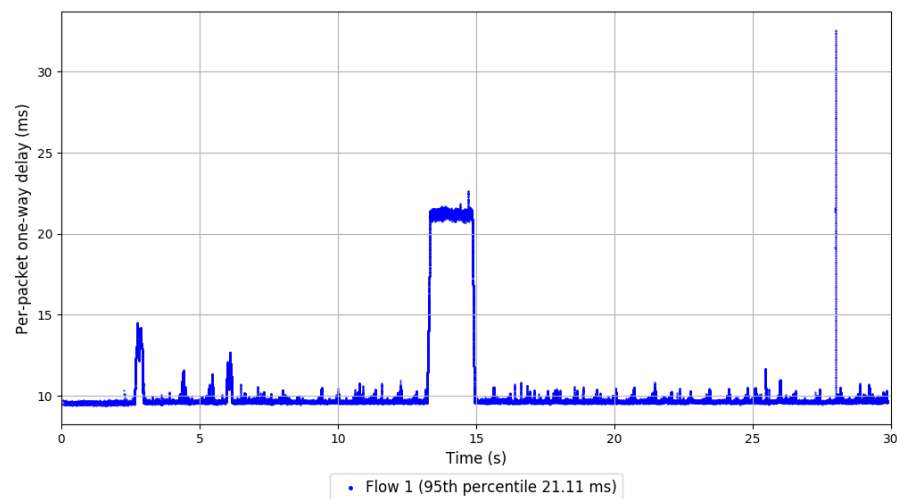
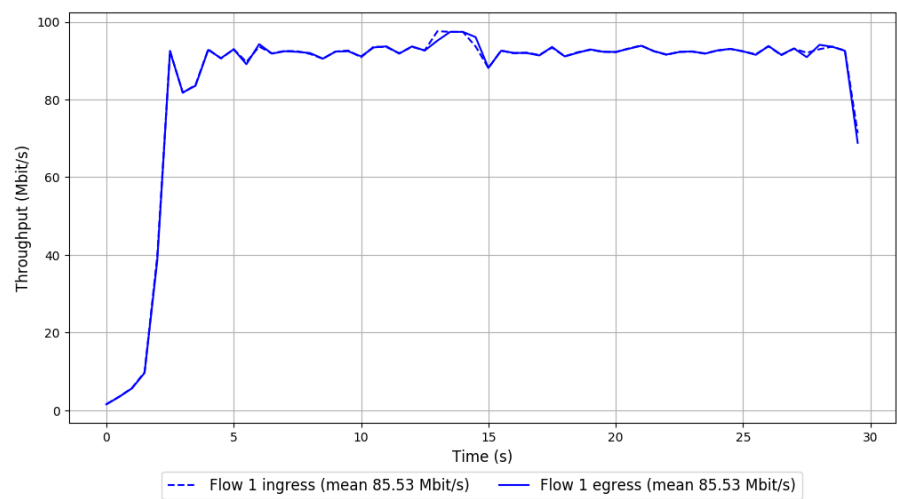


Run 8: Statistics of PCC-Vivace

Start at: 2018-04-24 07:41:49
End at: 2018-04-24 07:42:19
Local clock offset: -14.043 ms
Remote clock offset: -5.847 ms

Below is generated by plot.py at 2018-04-24 12:02:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.53 Mbit/s
95th percentile per-packet one-way delay: 21.110 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 85.53 Mbit/s
95th percentile per-packet one-way delay: 21.110 ms
Loss rate: 0.08%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-04-24 08:01:09

End at: 2018-04-24 08:01:39

Local clock offset: -7.952 ms

Remote clock offset: -9.23 ms

Below is generated by plot.py at 2018-04-24 12:02:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.34 Mbit/s

95th percentile per-packet one-way delay: 14.952 ms

Loss rate: 0.08%

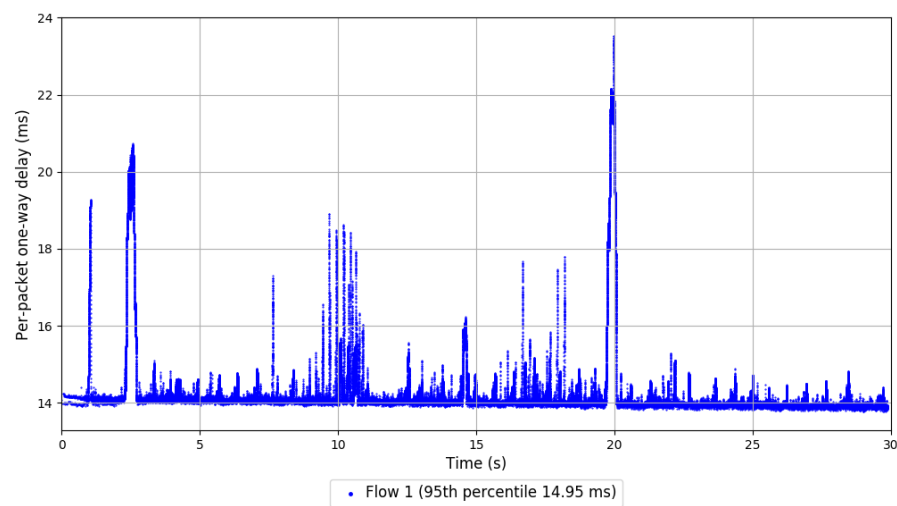
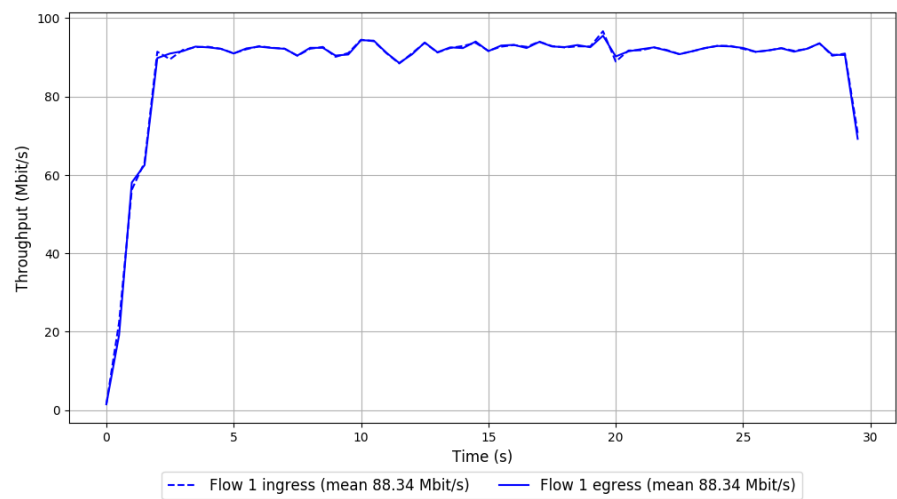
-- Flow 1:

Average throughput: 88.34 Mbit/s

95th percentile per-packet one-way delay: 14.952 ms

Loss rate: 0.08%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-04-24 08:20:55

End at: 2018-04-24 08:21:25

Local clock offset: -7.532 ms

Remote clock offset: 6.582 ms

Below is generated by plot.py at 2018-04-24 12:02:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.04 Mbit/s

95th percentile per-packet one-way delay: 4.105 ms

Loss rate: 0.08%

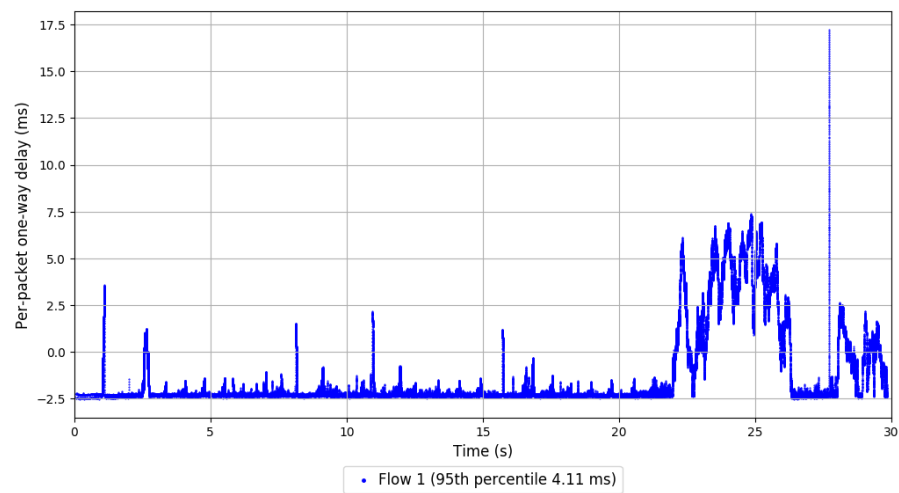
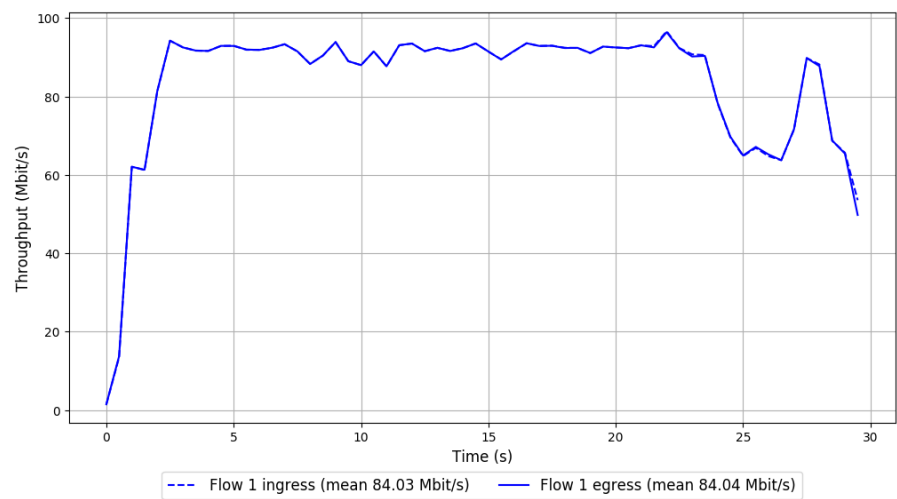
-- Flow 1:

Average throughput: 84.04 Mbit/s

95th percentile per-packet one-way delay: 4.105 ms

Loss rate: 0.08%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-04-24 05:06:53
End at: 2018-04-24 05:07:24
Local clock offset: -8.033 ms
Remote clock offset: -13.054 ms

Run 1: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC-Expr

Start at: 2018-04-24 05:26:47
End at: 2018-04-24 05:27:17
Local clock offset: -15.324 ms
Remote clock offset: -10.541 ms

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

Start at: 2018-04-24 05:46:43

End at: 2018-04-24 05:47:13

Local clock offset: -14.588 ms

Remote clock offset: 1.601 ms

Run 3: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of PCC-Expr

Start at: 2018-04-24 06:06:37

End at: 2018-04-24 06:07:07

Local clock offset: -19.17 ms

Remote clock offset: 3.959 ms

Run 4: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of PCC-Expr

Start at: 2018-04-24 06:26:28
End at: 2018-04-24 06:26:58
Local clock offset: -15.007 ms
Remote clock offset: -10.164 ms

Run 5: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of PCC-Expr

Start at: 2018-04-24 06:46:20

End at: 2018-04-24 06:46:50

Local clock offset: -18.857 ms

Remote clock offset: 2.86 ms

Run 6: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of PCC-Expr

Start at: 2018-04-24 07:06:13

End at: 2018-04-24 07:06:43

Local clock offset: -14.108 ms

Remote clock offset: 7.995 ms

Run 7: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-04-24 07:25:49

End at: 2018-04-24 07:26:19

Local clock offset: -15.052 ms

Remote clock offset: 8.463 ms

Run 8: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-04-24 07:45:22

End at: 2018-04-24 07:45:52

Local clock offset: -13.697 ms

Remote clock offset: -6.675 ms

Run 9: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of PCC-Expr

Start at: 2018-04-24 08:04:43

End at: 2018-04-24 08:05:13

Local clock offset: -7.86 ms

Remote clock offset: -8.277 ms

Run 10: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing