

Pantheon Report

Generated at 2018-01-02 04:51:23 (UTC).

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

Repeated the test of 14 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

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

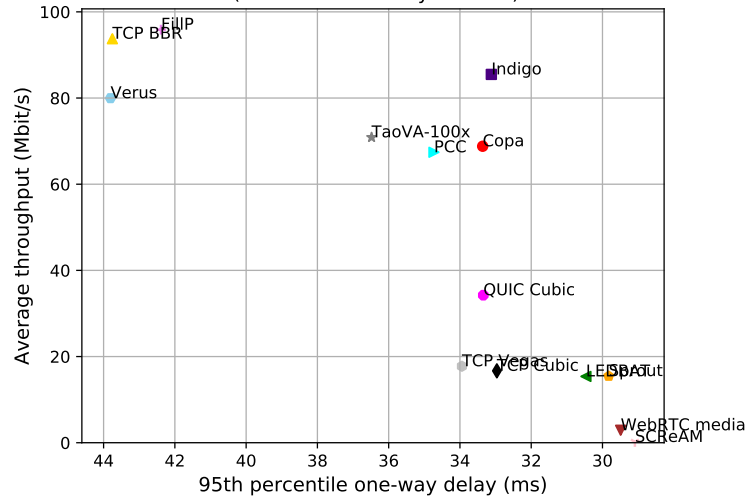
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

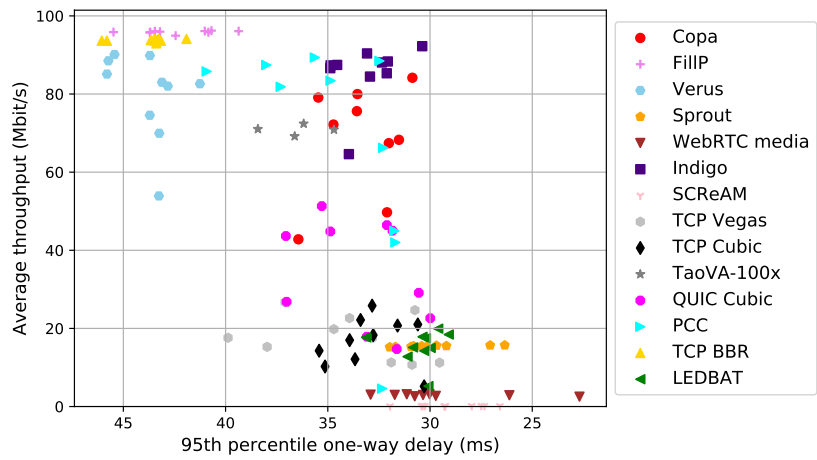
Git summary:

```
branch: master @ 904a5750834816b1e46a2c86405d707788d27c16
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fixlisp @ dcaef6b00654e660f73f7ed679d2eab61ce08639
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeab30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webRTC @ a488197ddd041ace68a42849b2540ad834825f42
```

test from Mexico Ethernet to AWS California 2 Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from Mexico Ethernet to AWS California 2 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	93.76	43.75	0.75
TCP Cubic	10	16.68	32.96	0.65
LEDBAT	10	15.39	30.47	0.68
PCC	10	67.41	34.73	0.82
QUIC Cubic	10	34.24	33.34	0.70
SCReAM	10	0.18	29.09	0.46
WebRTC media	9	2.90	29.49	0.53
Sprout	10	15.47	29.83	0.45
TaoVA-100x	4	70.88	36.48	0.76
TCP Vegas	10	17.75	33.94	0.56
Verus	10	79.97	43.81	1.00
Copa	9	68.81	33.36	0.73
FillP	10	95.87	42.39	0.94
Indigo	10	85.48	33.12	0.79

Run 1: Statistics of TCP BBR

Start at: 2018-01-01 21:48:45
End at: 2018-01-01 21:49:15
Local clock offset: -23.722 ms
Remote clock offset: -1.279 ms

Below is generated by plot.py at 2018-01-02 04:38:09

Datalink statistics

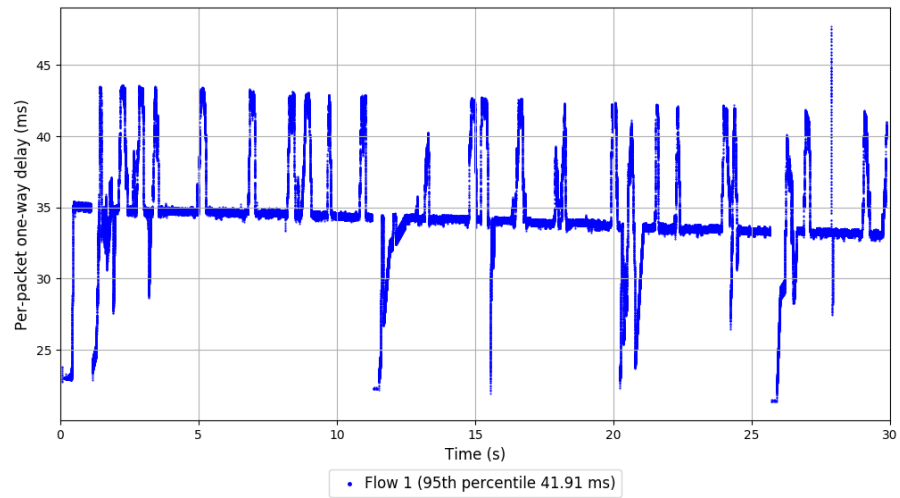
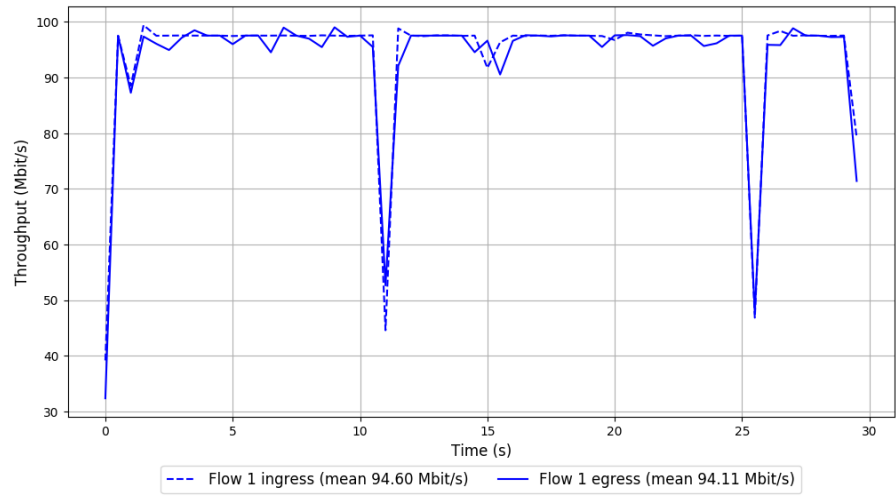
-- Total of 1 flow:

Average throughput: 94.11 Mbit/s
95th percentile per-packet one-way delay: 41.913 ms
Loss rate: 0.73%

-- Flow 1:

Average throughput: 94.11 Mbit/s
95th percentile per-packet one-way delay: 41.913 ms
Loss rate: 0.73%

Run 1: Report of TCP BBR — Data Link

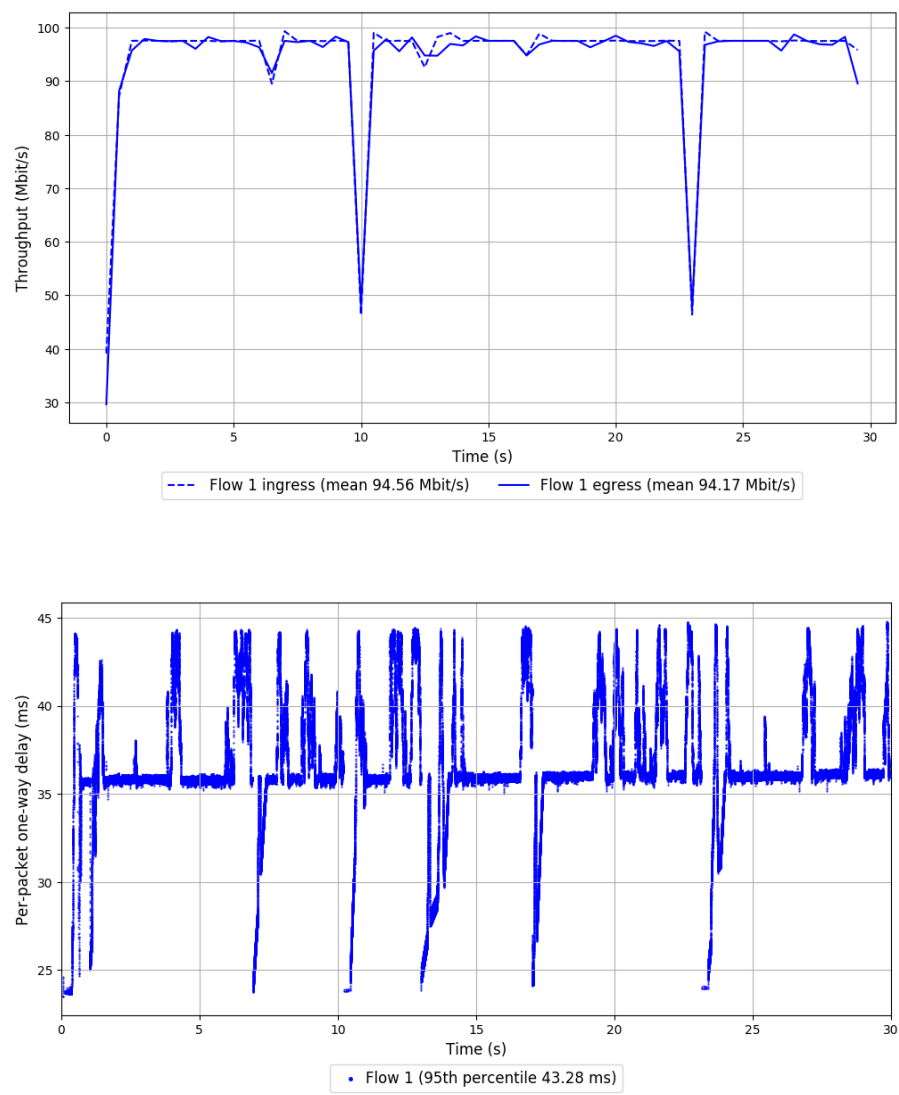


Run 2: Statistics of TCP BBR

Start at: 2018-01-01 22:09:04
End at: 2018-01-01 22:09:34
Local clock offset: -3.859 ms
Remote clock offset: -1.246 ms

Below is generated by plot.py at 2018-01-02 04:38:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.17 Mbit/s
95th percentile per-packet one-way delay: 43.278 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 94.17 Mbit/s
95th percentile per-packet one-way delay: 43.278 ms
Loss rate: 0.59%

Run 2: Report of TCP BBR — Data Link

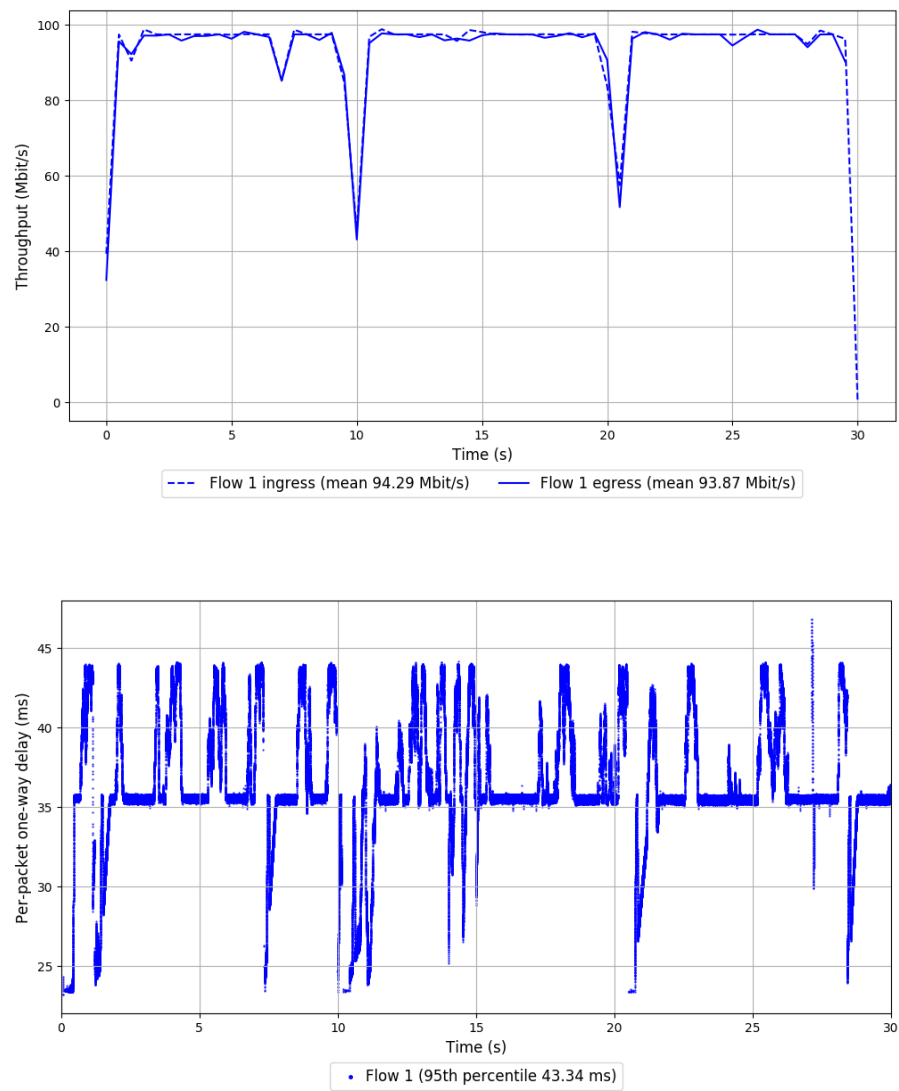


Run 3: Statistics of TCP BBR

Start at: 2018-01-01 22:29:17
End at: 2018-01-01 22:29:47
Local clock offset: -12.498 ms
Remote clock offset: -2.425 ms

Below is generated by plot.py at 2018-01-02 04:38:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.87 Mbit/s
95th percentile per-packet one-way delay: 43.337 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 93.87 Mbit/s
95th percentile per-packet one-way delay: 43.337 ms
Loss rate: 0.64%

Run 3: Report of TCP BBR — Data Link

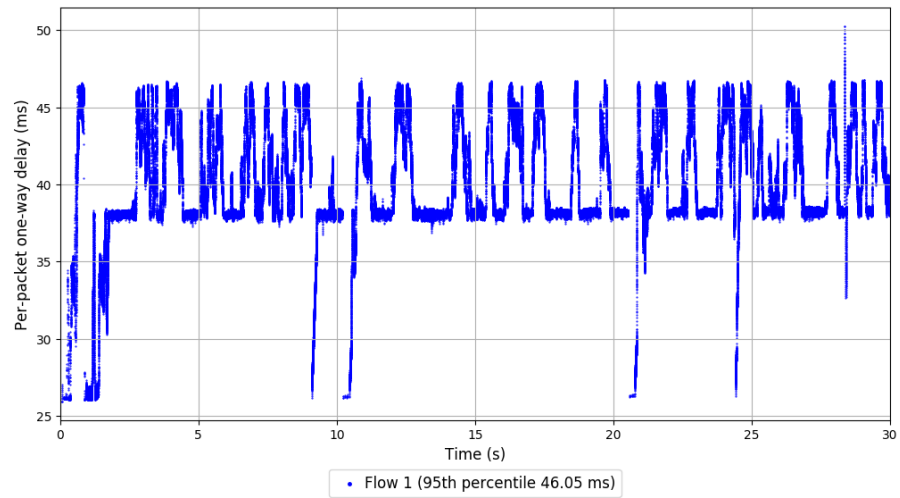
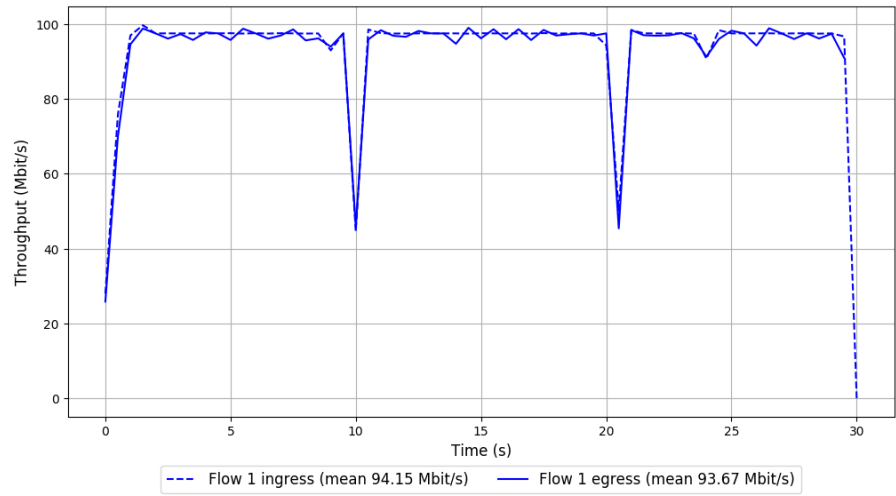


Run 4: Statistics of TCP BBR

Start at: 2018-01-01 22:50:06
End at: 2018-01-01 22:50:36
Local clock offset: -17.683 ms
Remote clock offset: -4.06 ms

Below is generated by plot.py at 2018-01-02 04:38:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.67 Mbit/s
95th percentile per-packet one-way delay: 46.055 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 93.67 Mbit/s
95th percentile per-packet one-way delay: 46.055 ms
Loss rate: 0.70%

Run 4: Report of TCP BBR — Data Link

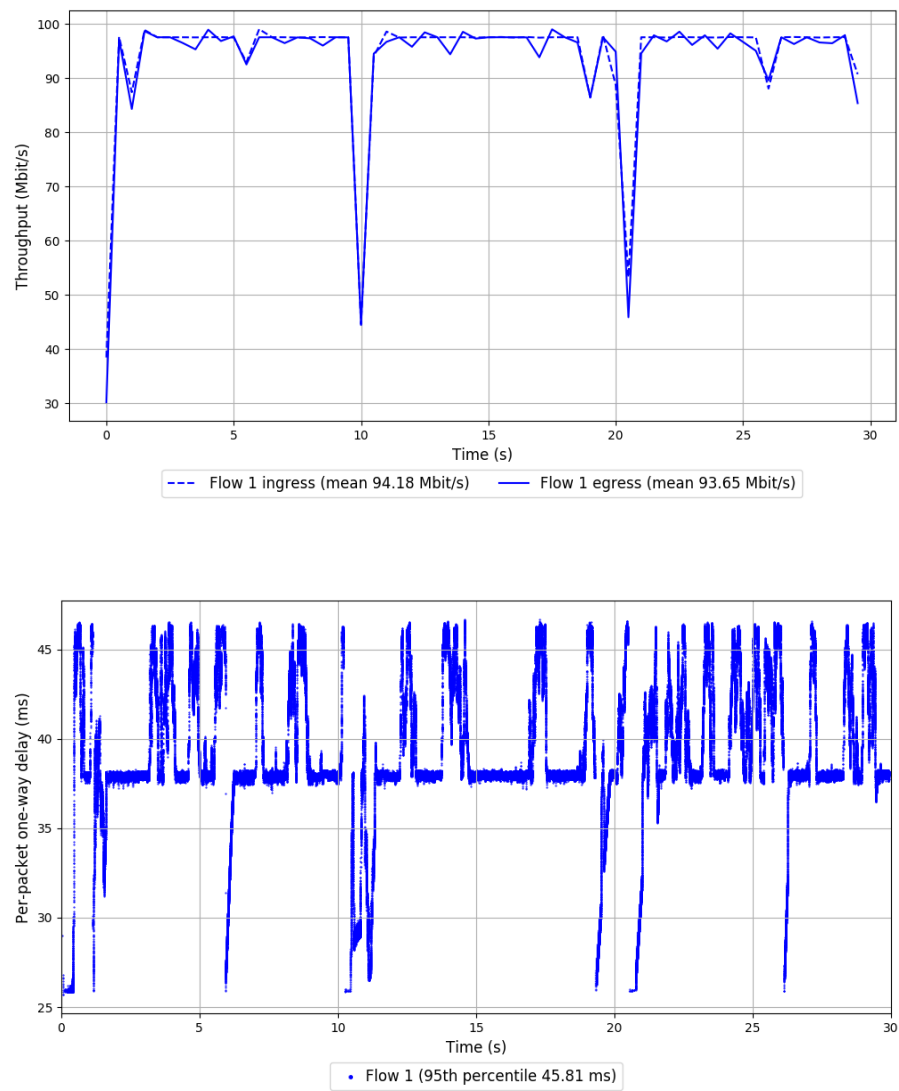


Run 5: Statistics of TCP BBR

Start at: 2018-01-01 23:10:14
End at: 2018-01-01 23:10:44
Local clock offset: -21.091 ms
Remote clock offset: -3.259 ms

Below is generated by plot.py at 2018-01-02 04:38:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.65 Mbit/s
95th percentile per-packet one-way delay: 45.806 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 93.65 Mbit/s
95th percentile per-packet one-way delay: 45.806 ms
Loss rate: 0.77%

Run 5: Report of TCP BBR — Data Link

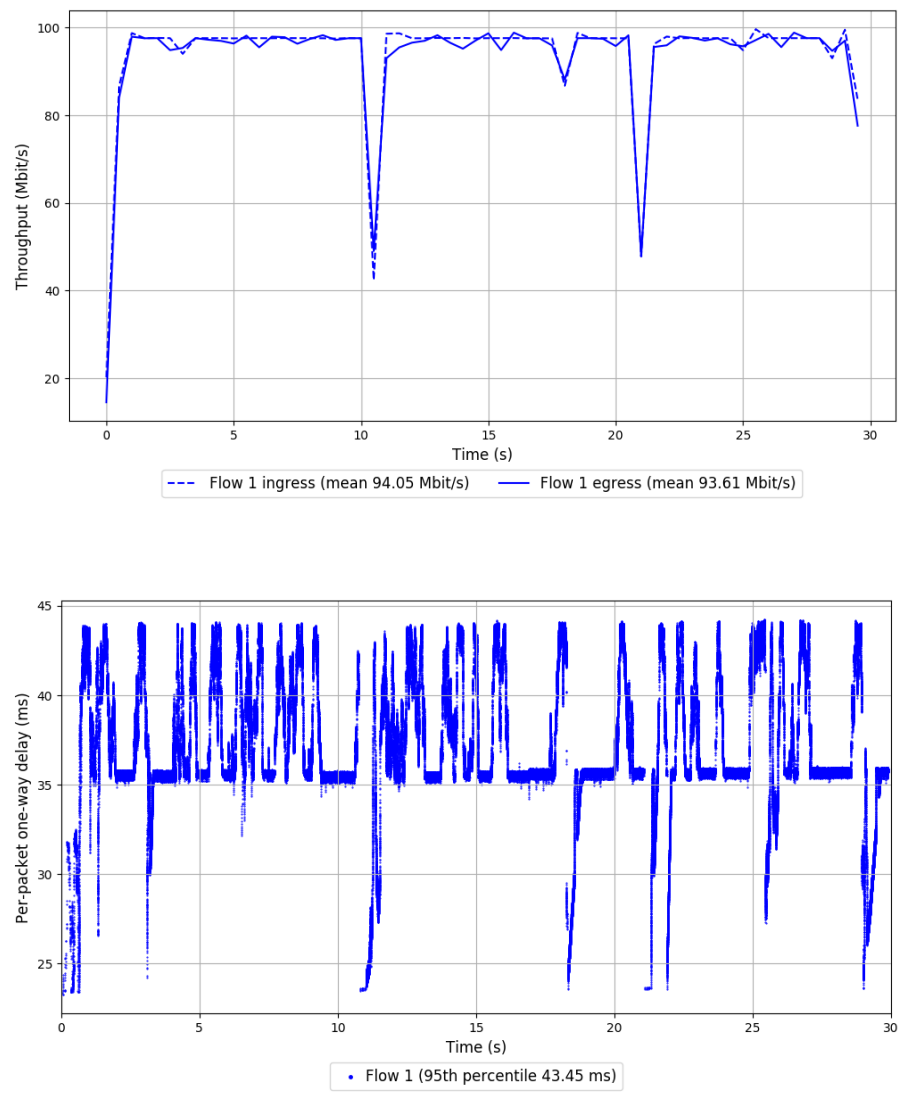


Run 6: Statistics of TCP BBR

Start at: 2018-01-01 23:30:44
End at: 2018-01-01 23:31:14
Local clock offset: -25.813 ms
Remote clock offset: -0.246 ms

Below is generated by plot.py at 2018-01-02 04:38:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.61 Mbit/s
95th percentile per-packet one-way delay: 43.453 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 93.61 Mbit/s
95th percentile per-packet one-way delay: 43.453 ms
Loss rate: 0.66%

Run 6: Report of TCP BBR — Data Link

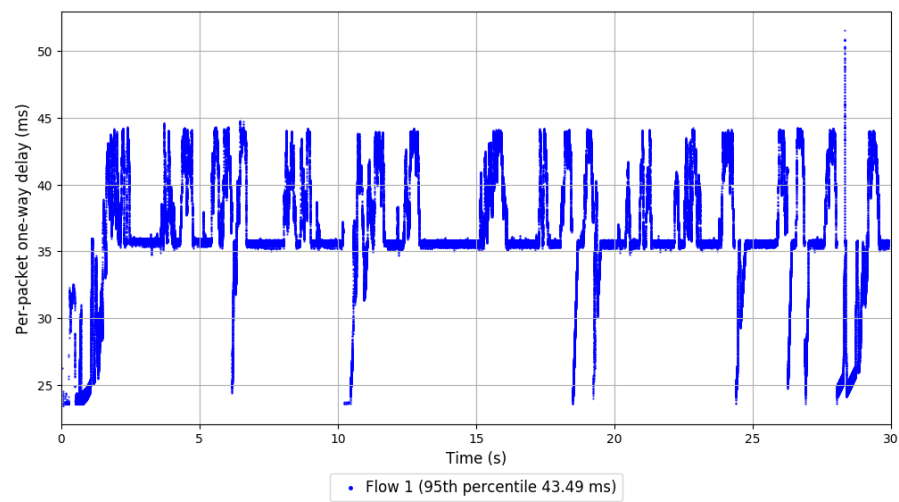
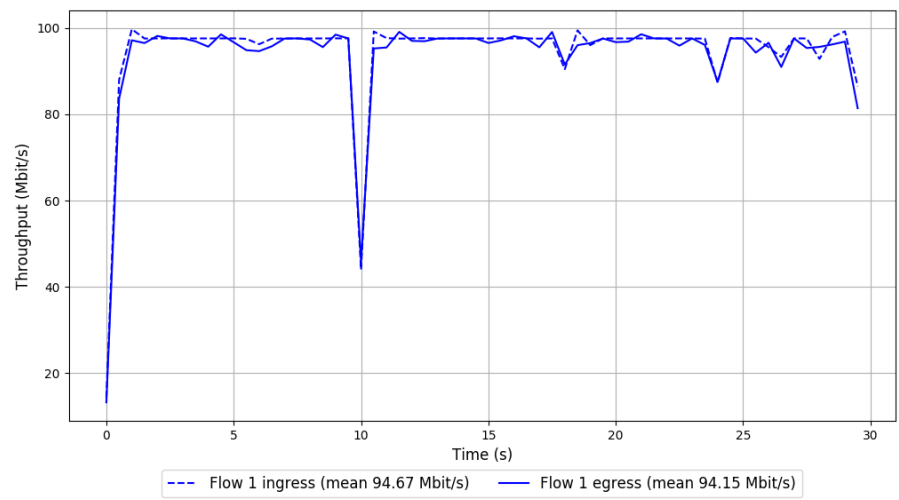


Run 7: Statistics of TCP BBR

Start at: 2018-01-01 23:51:16
End at: 2018-01-01 23:51:46
Local clock offset: -26.778 ms
Remote clock offset: -0.942 ms

Below is generated by plot.py at 2018-01-02 04:38:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.15 Mbit/s
95th percentile per-packet one-way delay: 43.488 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 94.15 Mbit/s
95th percentile per-packet one-way delay: 43.488 ms
Loss rate: 0.76%

Run 7: Report of TCP BBR — Data Link

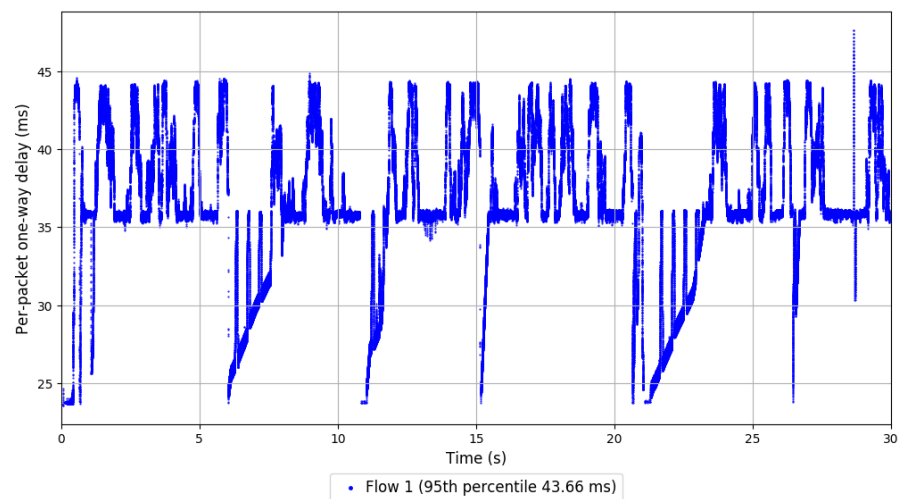
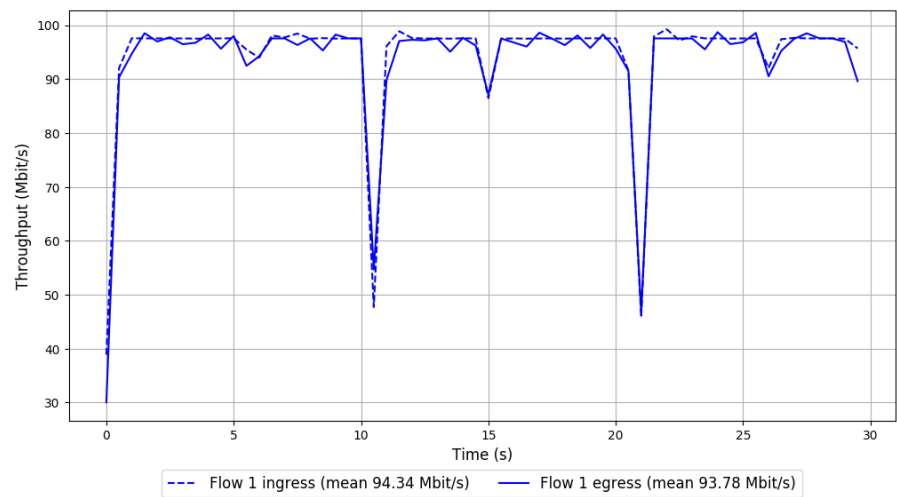


Run 8: Statistics of TCP BBR

Start at: 2018-01-02 00:11:30
End at: 2018-01-02 00:12:00
Local clock offset: -29.954 ms
Remote clock offset: -1.693 ms

Below is generated by plot.py at 2018-01-02 04:38:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.78 Mbit/s
95th percentile per-packet one-way delay: 43.660 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 93.78 Mbit/s
95th percentile per-packet one-way delay: 43.660 ms
Loss rate: 0.79%

Run 8: Report of TCP BBR — Data Link

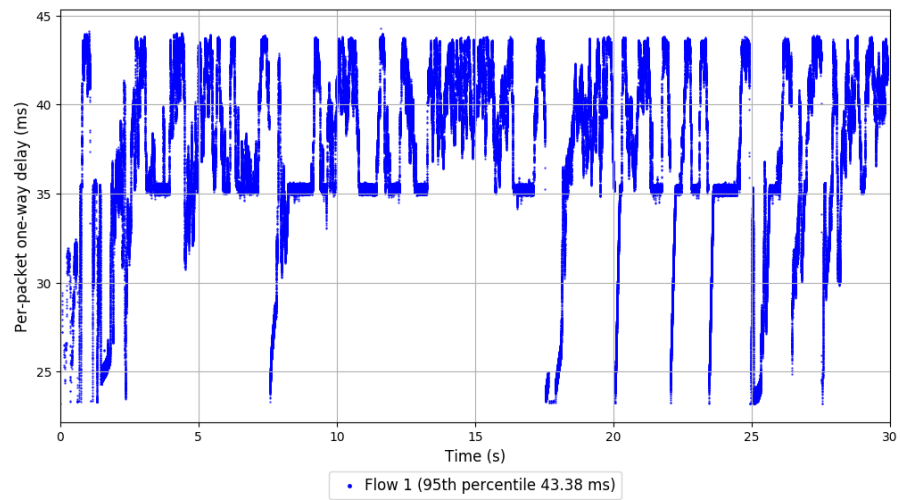
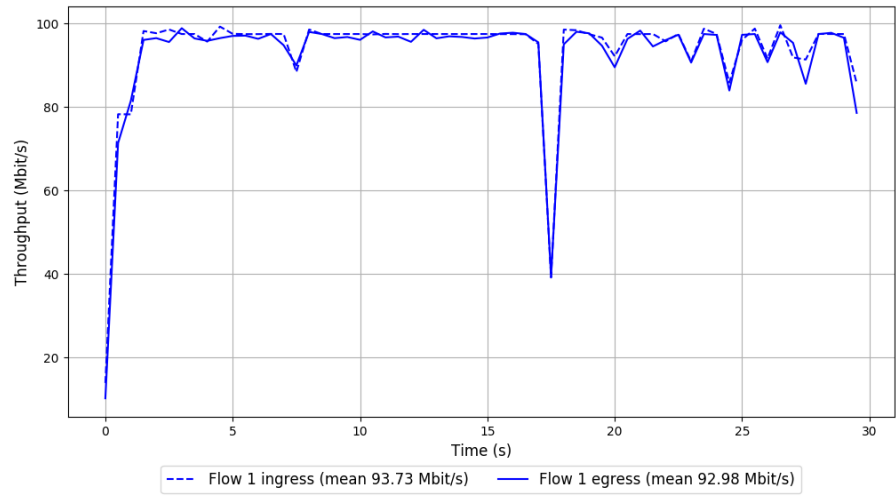


Run 9: Statistics of TCP BBR

Start at: 2018-01-02 00:32:08
End at: 2018-01-02 00:32:38
Local clock offset: -31.816 ms
Remote clock offset: -1.739 ms

Below is generated by plot.py at 2018-01-02 04:39:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.98 Mbit/s
95th percentile per-packet one-way delay: 43.384 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 92.98 Mbit/s
95th percentile per-packet one-way delay: 43.384 ms
Loss rate: 0.98%

Run 9: Report of TCP BBR — Data Link

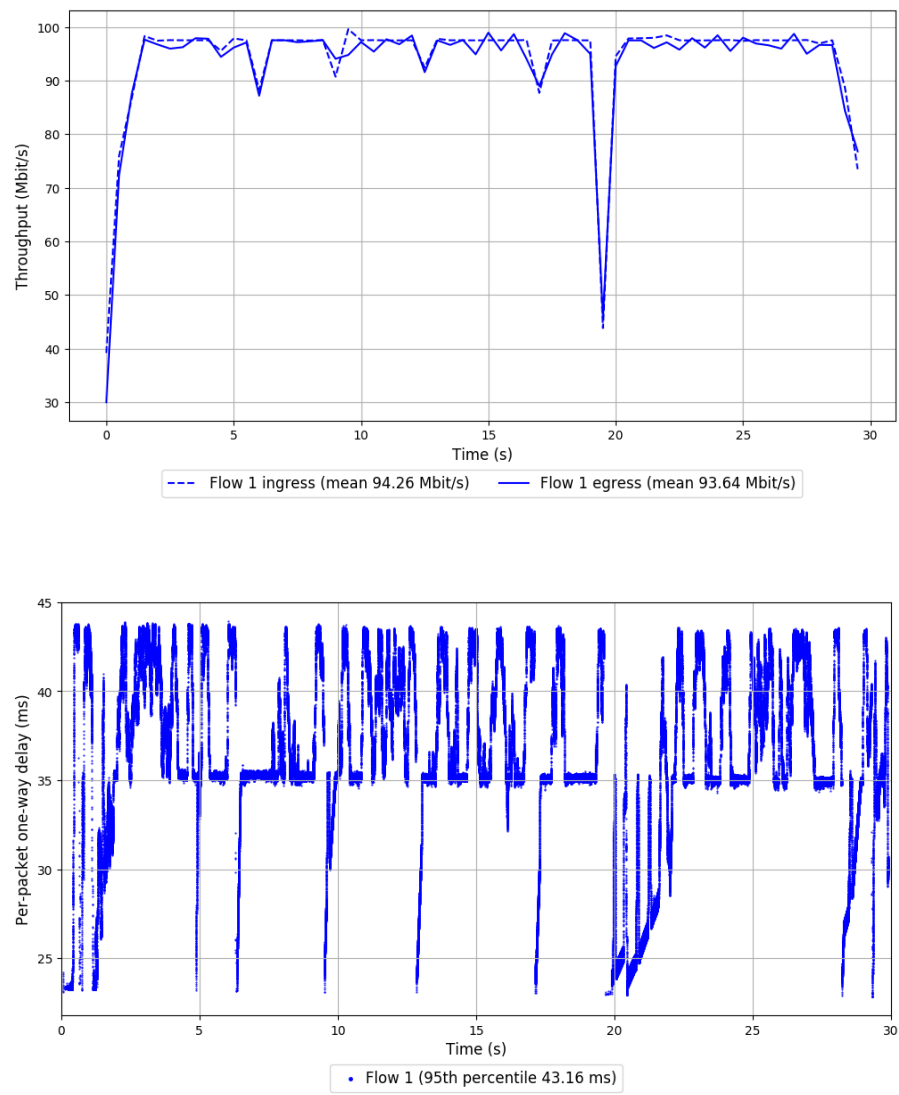


Run 10: Statistics of TCP BBR

Start at: 2018-01-02 00:52:49
End at: 2018-01-02 00:53:19
Local clock offset: -8.971 ms
Remote clock offset: -0.635 ms

Below is generated by plot.py at 2018-01-02 04:39:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.64 Mbit/s
95th percentile per-packet one-way delay: 43.164 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 93.64 Mbit/s
95th percentile per-packet one-way delay: 43.164 ms
Loss rate: 0.84%

Run 10: Report of TCP BBR — Data Link

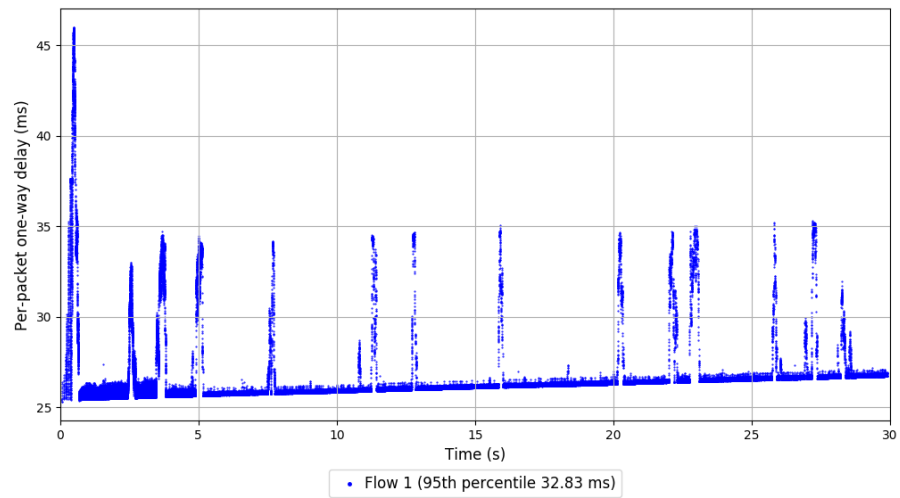
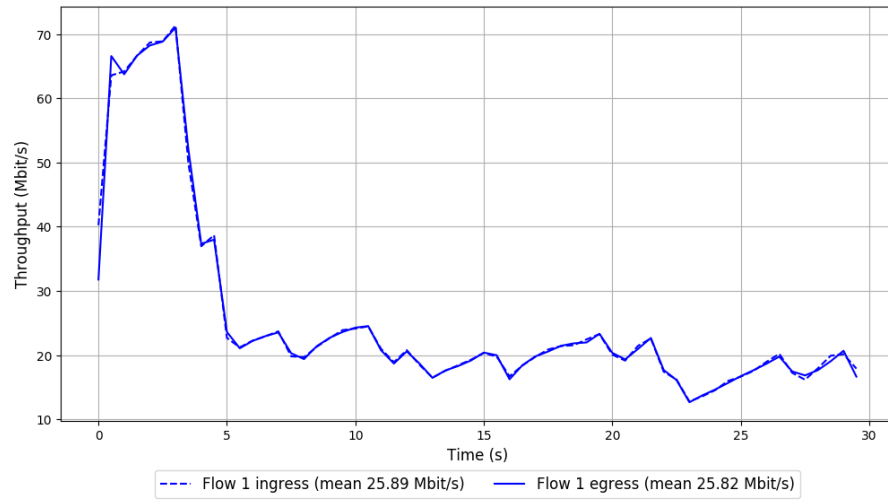


Run 1: Statistics of TCP Cubic

Start at: 2018-01-01 21:42:05
End at: 2018-01-01 21:42:35
Local clock offset: -14.991 ms
Remote clock offset: -1.239 ms

Below is generated by plot.py at 2018-01-02 04:39:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 25.82 Mbit/s
95th percentile per-packet one-way delay: 32.831 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 25.82 Mbit/s
95th percentile per-packet one-way delay: 32.831 ms
Loss rate: 0.43%

Run 1: Report of TCP Cubic — Data Link

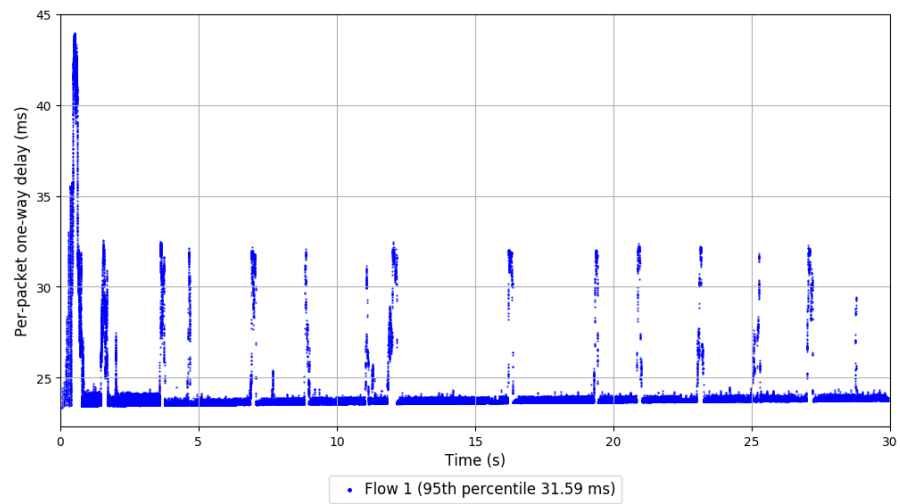
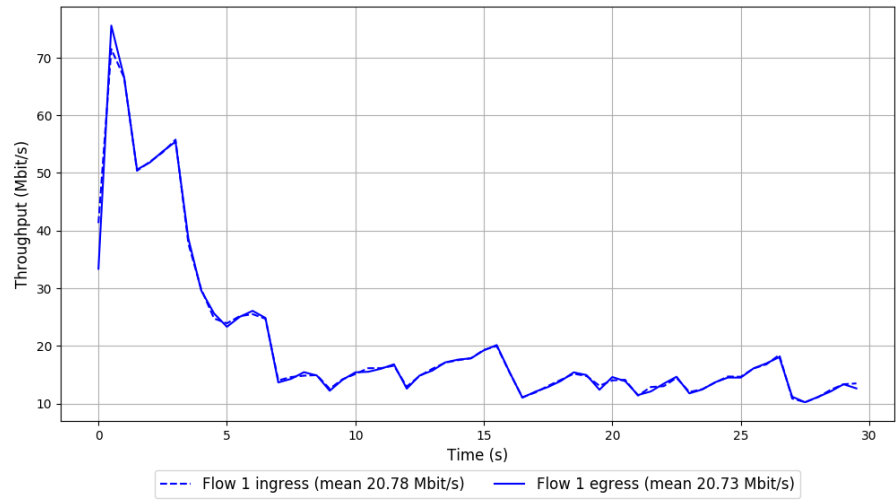


Run 2: Statistics of TCP Cubic

Start at: 2018-01-01 22:02:25
End at: 2018-01-01 22:02:55
Local clock offset: 0.504 ms
Remote clock offset: -1.116 ms

Below is generated by plot.py at 2018-01-02 04:39:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.73 Mbit/s
95th percentile per-packet one-way delay: 31.588 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 20.73 Mbit/s
95th percentile per-packet one-way delay: 31.588 ms
Loss rate: 0.43%

Run 2: Report of TCP Cubic — Data Link

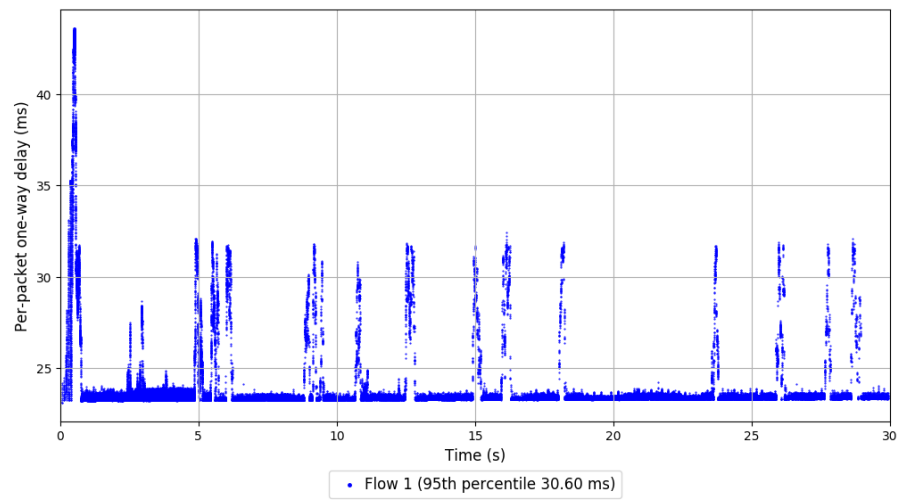
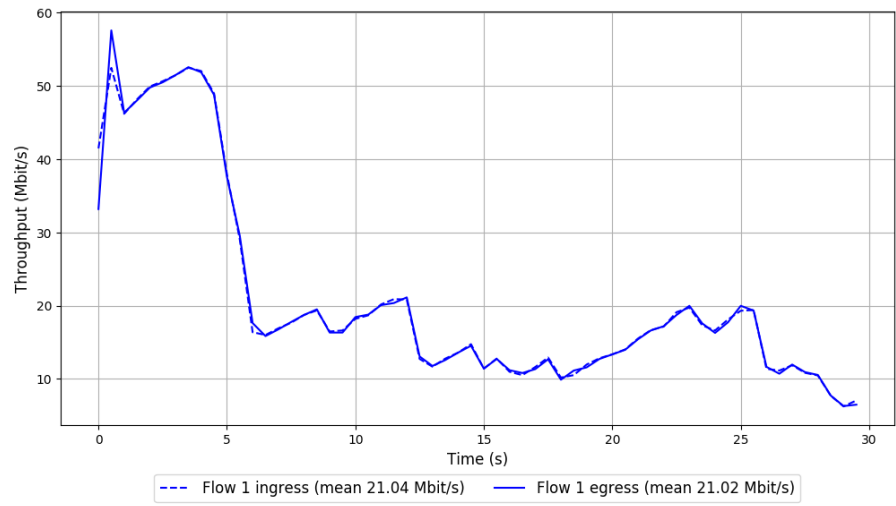


Run 3: Statistics of TCP Cubic

Start at: 2018-01-01 22:22:42
End at: 2018-01-01 22:23:12
Local clock offset: -12.084 ms
Remote clock offset: -1.658 ms

Below is generated by plot.py at 2018-01-02 04:39:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.02 Mbit/s
95th percentile per-packet one-way delay: 30.598 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 21.02 Mbit/s
95th percentile per-packet one-way delay: 30.598 ms
Loss rate: 0.28%

Run 3: Report of TCP Cubic — Data Link

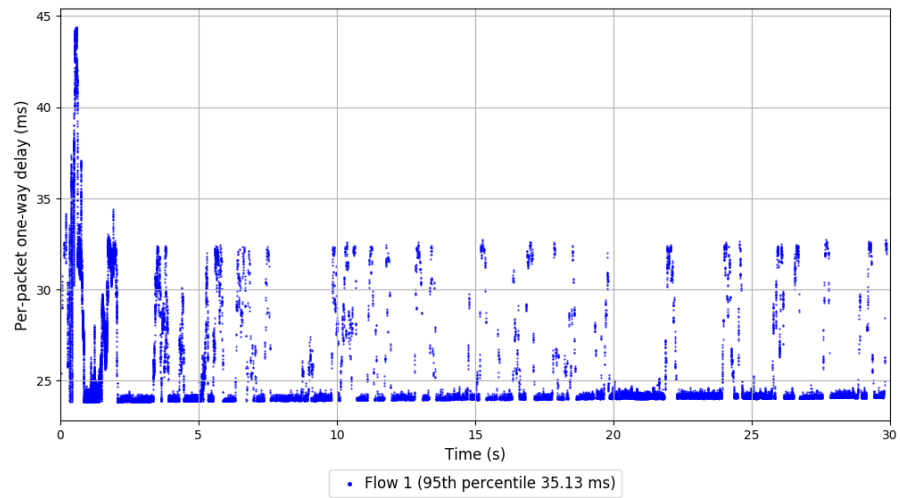
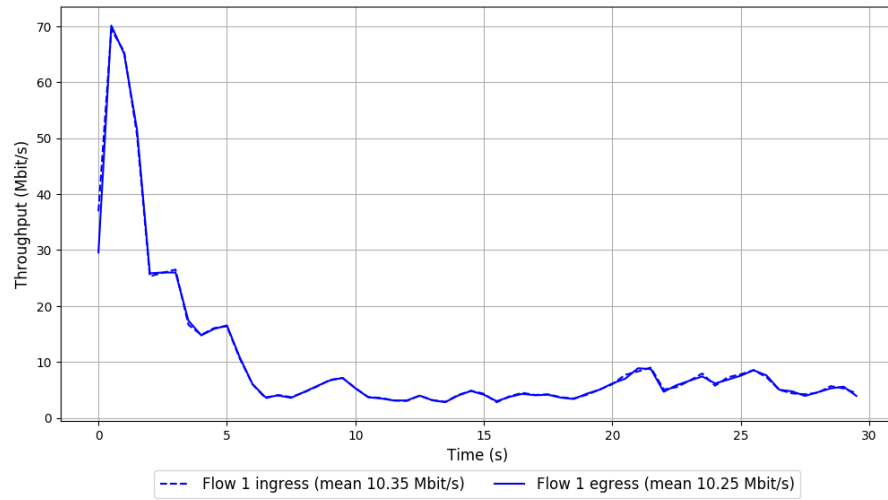


Run 4: Statistics of TCP Cubic

Start at: 2018-01-01 22:43:15
End at: 2018-01-01 22:43:45
Local clock offset: -14.814 ms
Remote clock offset: -2.267 ms

Below is generated by plot.py at 2018-01-02 04:39:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.25 Mbit/s
95th percentile per-packet one-way delay: 35.134 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 10.25 Mbit/s
95th percentile per-packet one-way delay: 35.134 ms
Loss rate: 1.14%

Run 4: Report of TCP Cubic — Data Link

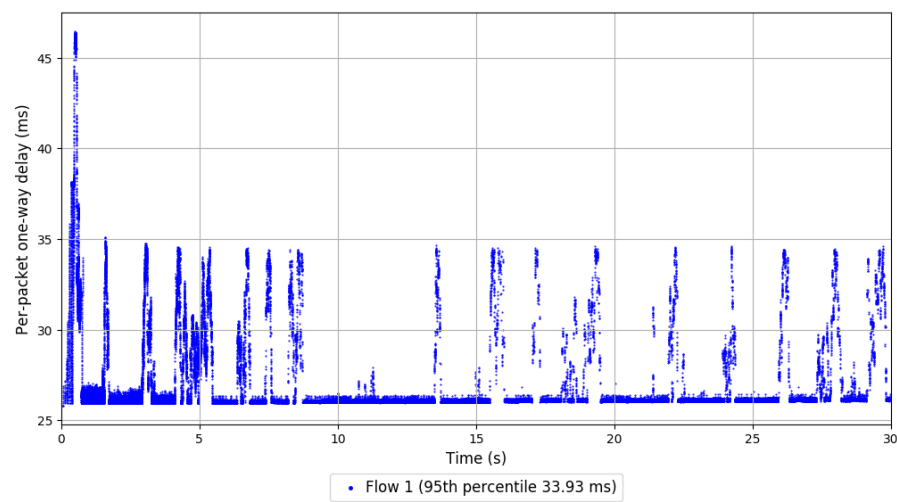
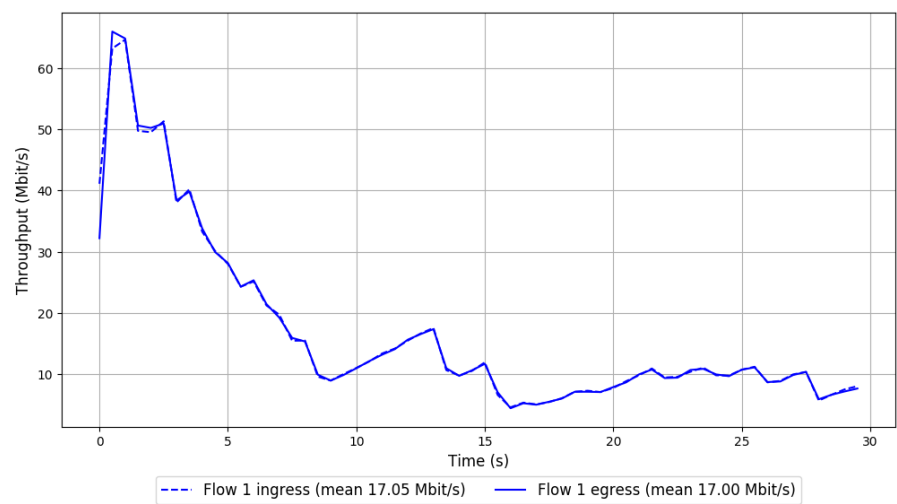


Run 5: Statistics of TCP Cubic

Start at: 2018-01-01 23:03:32
End at: 2018-01-01 23:04:02
Local clock offset: -19.402 ms
Remote clock offset: -3.487 ms

Below is generated by plot.py at 2018-01-02 04:39:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 17.00 Mbit/s
95th percentile per-packet one-way delay: 33.932 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 17.00 Mbit/s
95th percentile per-packet one-way delay: 33.932 ms
Loss rate: 0.50%

Run 5: Report of TCP Cubic — Data Link

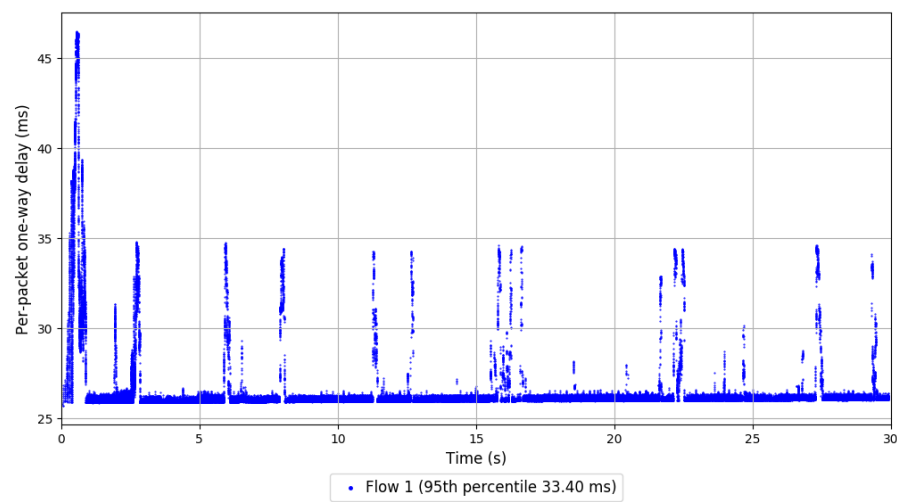
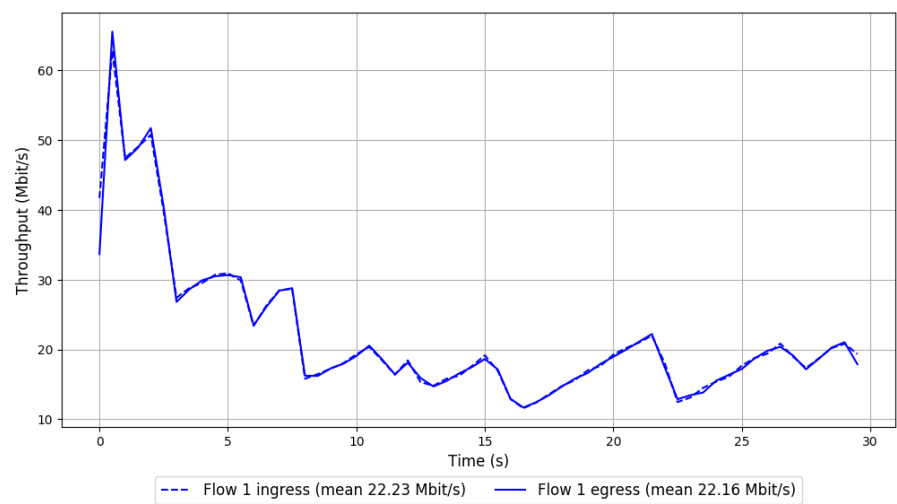


Run 6: Statistics of TCP Cubic

Start at: 2018-01-01 23:24:06
End at: 2018-01-01 23:24:36
Local clock offset: -23.684 ms
Remote clock offset: -2.756 ms

Below is generated by plot.py at 2018-01-02 04:39:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.16 Mbit/s
95th percentile per-packet one-way delay: 33.398 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 22.16 Mbit/s
95th percentile per-packet one-way delay: 33.398 ms
Loss rate: 0.51%

Run 6: Report of TCP Cubic — Data Link

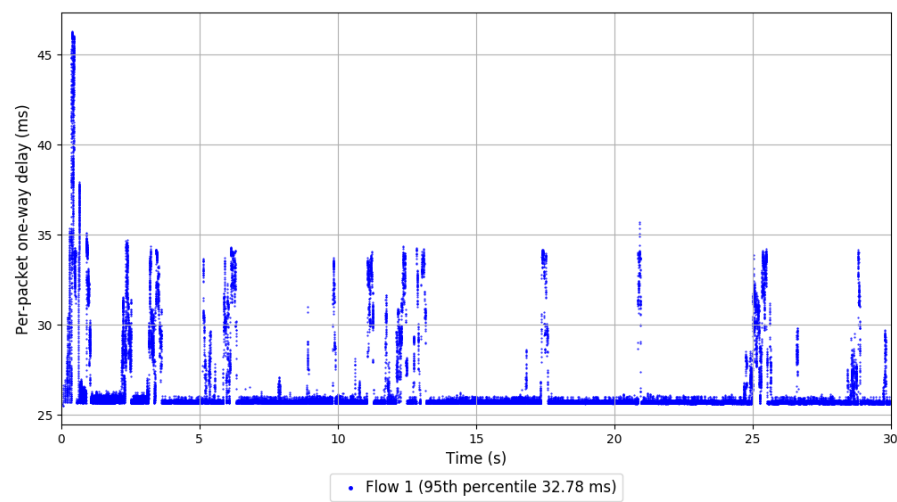
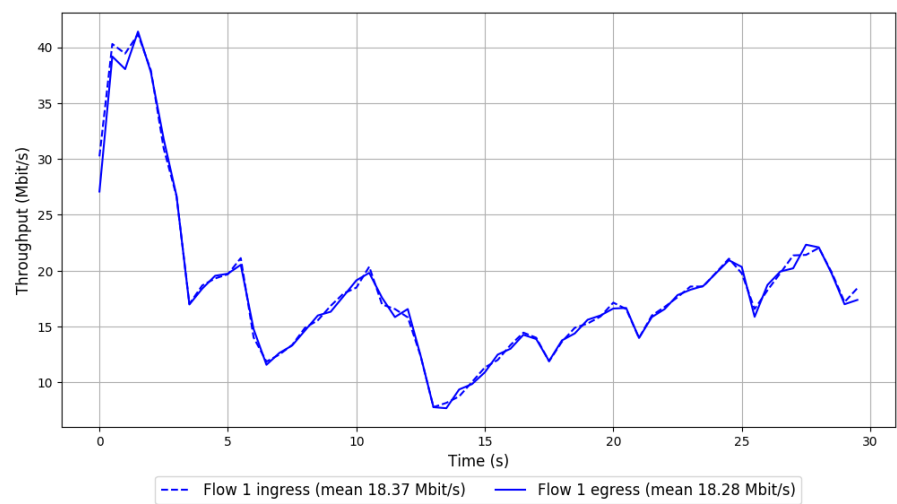


Run 7: Statistics of TCP Cubic

Start at: 2018-01-01 23:44:32
End at: 2018-01-01 23:45:02
Local clock offset: -26.989 ms
Remote clock offset: -2.842 ms

Below is generated by plot.py at 2018-01-02 04:39:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.28 Mbit/s
95th percentile per-packet one-way delay: 32.779 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 18.28 Mbit/s
95th percentile per-packet one-way delay: 32.779 ms
Loss rate: 0.66%

Run 7: Report of TCP Cubic — Data Link

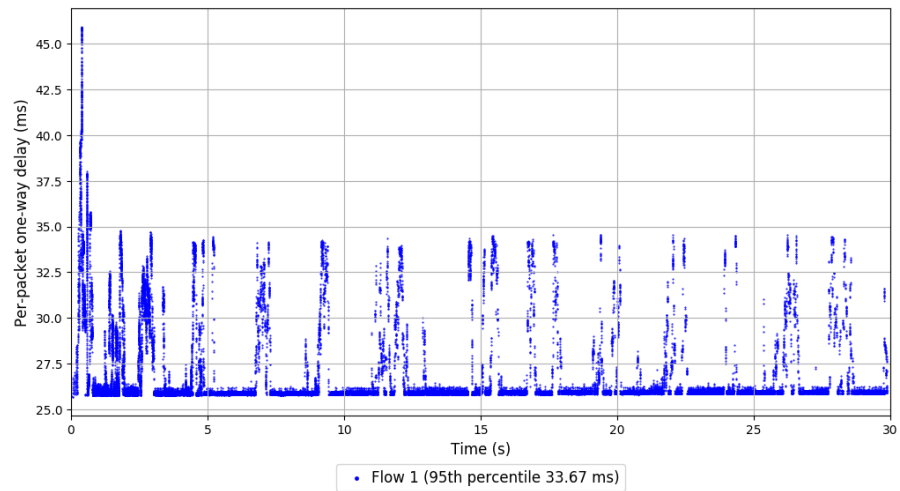
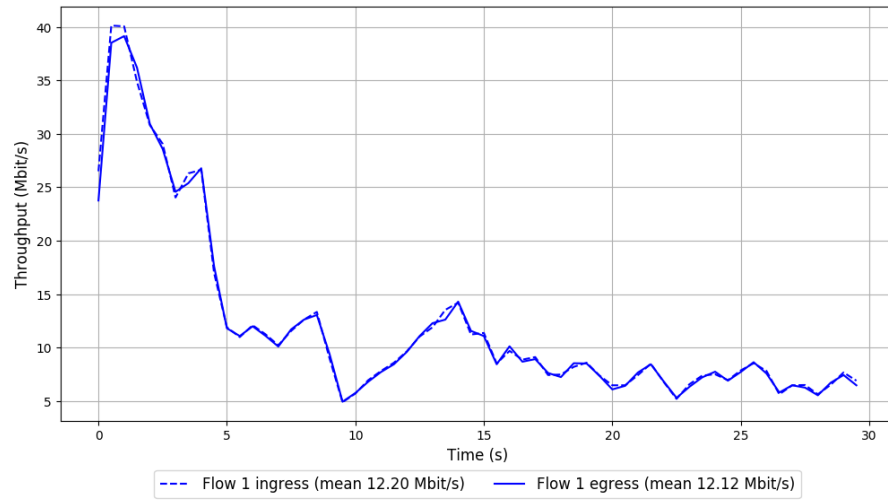


Run 8: Statistics of TCP Cubic

Start at: 2018-01-02 00:04:55
End at: 2018-01-02 00:05:25
Local clock offset: -28.551 ms
Remote clock offset: -3.584 ms

Below is generated by plot.py at 2018-01-02 04:39:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 33.668 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 33.668 ms
Loss rate: 0.79%

Run 8: Report of TCP Cubic — Data Link

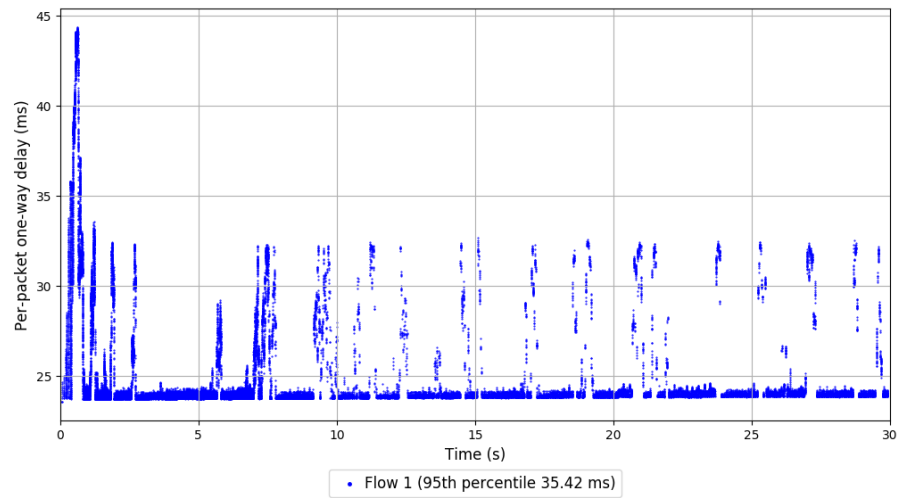
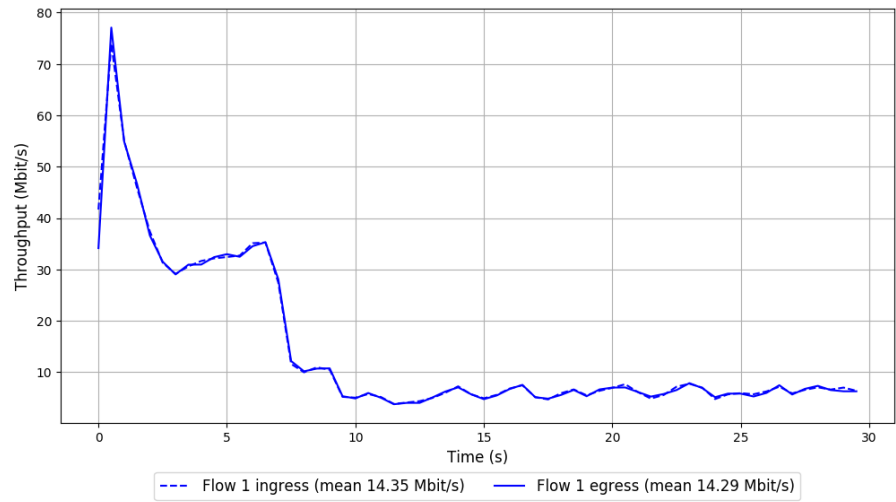


Run 9: Statistics of TCP Cubic

Start at: 2018-01-02 00:25:26
End at: 2018-01-02 00:25:56
Local clock offset: -32.981 ms
Remote clock offset: -1.879 ms

Below is generated by plot.py at 2018-01-02 04:39:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 14.29 Mbit/s
95th percentile per-packet one-way delay: 35.424 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 14.29 Mbit/s
95th percentile per-packet one-way delay: 35.424 ms
Loss rate: 0.63%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-01-02 00:46:04

End at: 2018-01-02 00:46:34

Local clock offset: -21.22 ms

Remote clock offset: -1.038 ms

Below is generated by plot.py at 2018-01-02 04:39:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.17 Mbit/s

95th percentile per-packet one-way delay: 30.288 ms

Loss rate: 1.13%

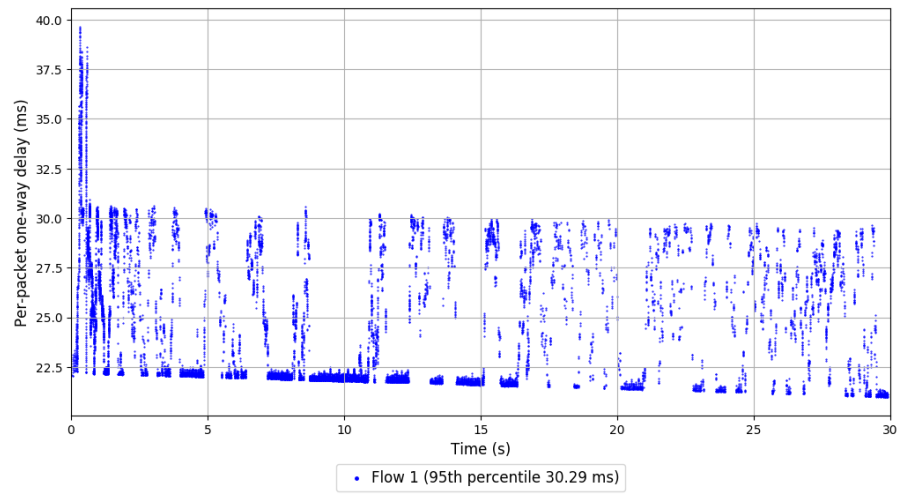
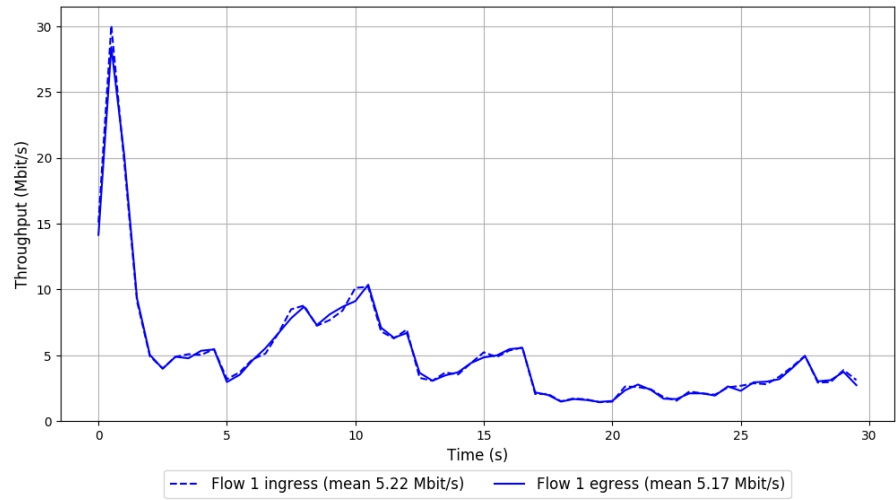
-- Flow 1:

Average throughput: 5.17 Mbit/s

95th percentile per-packet one-way delay: 30.288 ms

Loss rate: 1.13%

Run 10: Report of TCP Cubic — Data Link

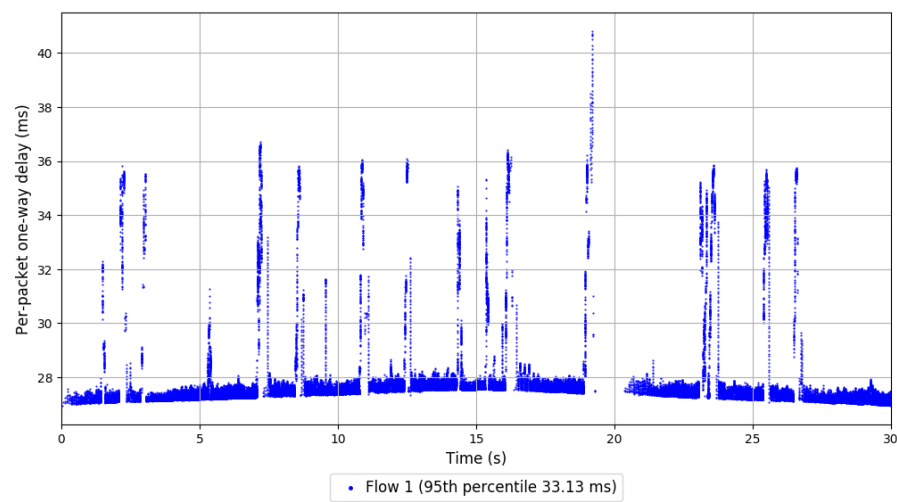
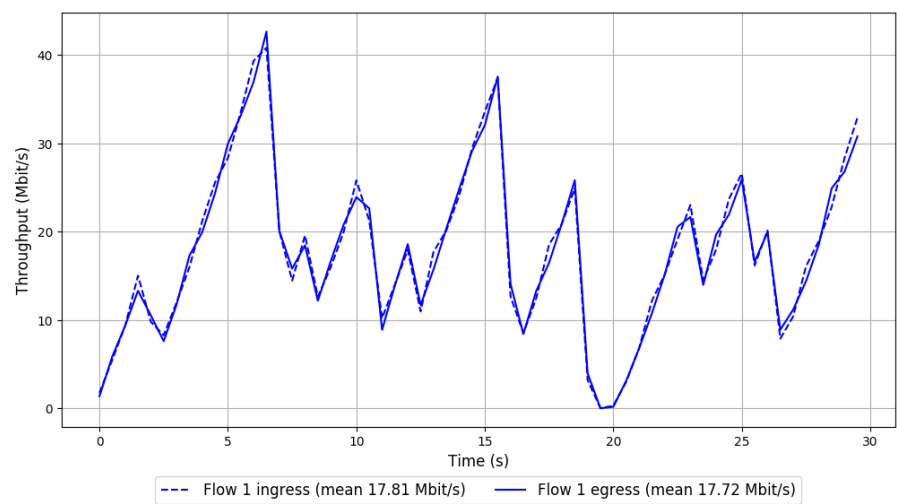


```
Run 1: Statistics of LEDBAT

Start at: 2018-01-01 21:46:04
End at: 2018-01-01 21:46:34
Local clock offset: -25.279 ms
Remote clock offset: -3.433 ms

# Below is generated by plot.py at 2018-01-02 04:39:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 17.72 Mbit/s
95th percentile per-packet one-way delay: 33.135 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 17.72 Mbit/s
95th percentile per-packet one-way delay: 33.135 ms
Loss rate: 0.63%
```

Run 1: Report of LEDBAT — Data Link

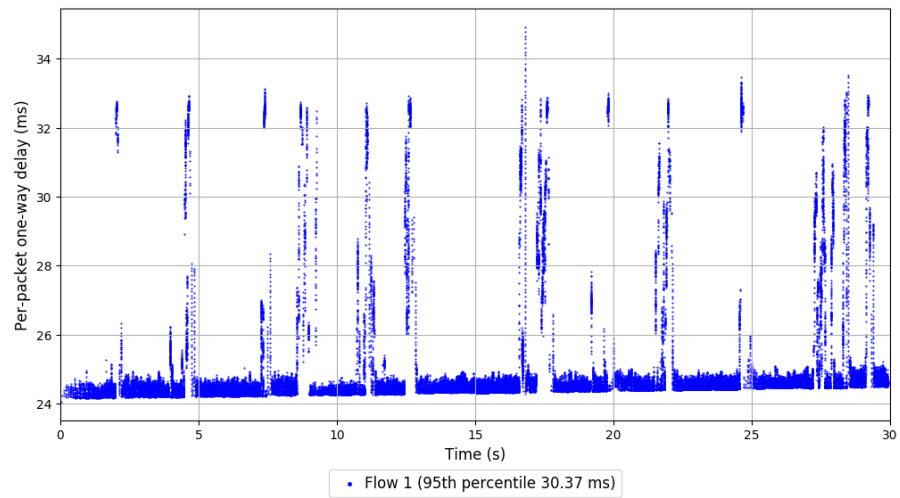
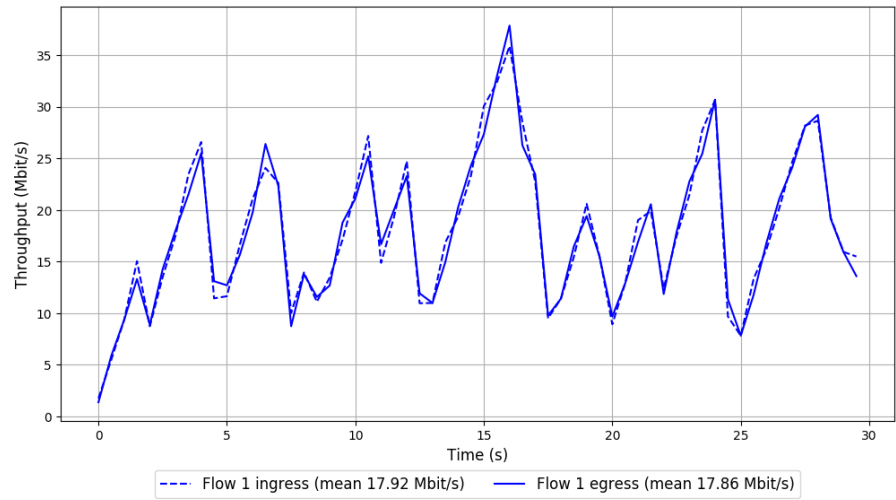


Run 2: Statistics of LEDBAT

Start at: 2018-01-01 22:06:19
End at: 2018-01-01 22:06:49
Local clock offset: -1.867 ms
Remote clock offset: -1.709 ms

Below is generated by plot.py at 2018-01-02 04:39:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 17.86 Mbit/s
95th percentile per-packet one-way delay: 30.369 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 17.86 Mbit/s
95th percentile per-packet one-way delay: 30.369 ms
Loss rate: 0.51%

Run 2: Report of LEDBAT — Data Link

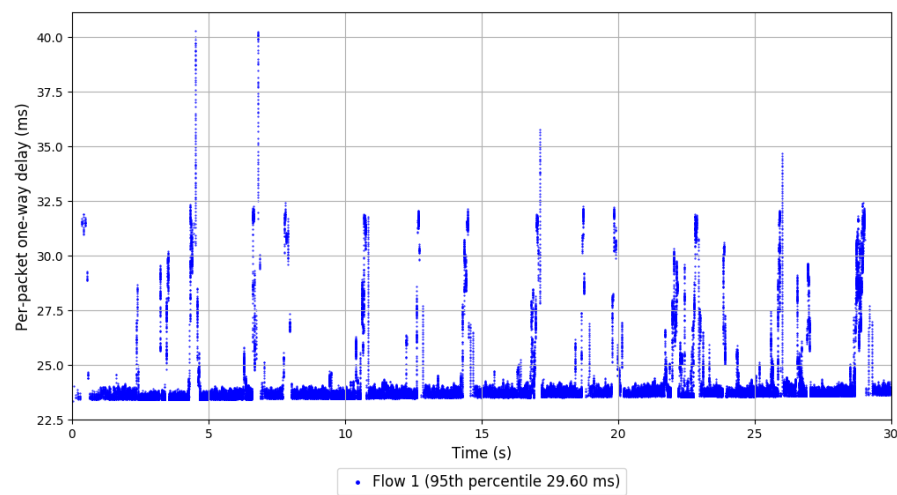
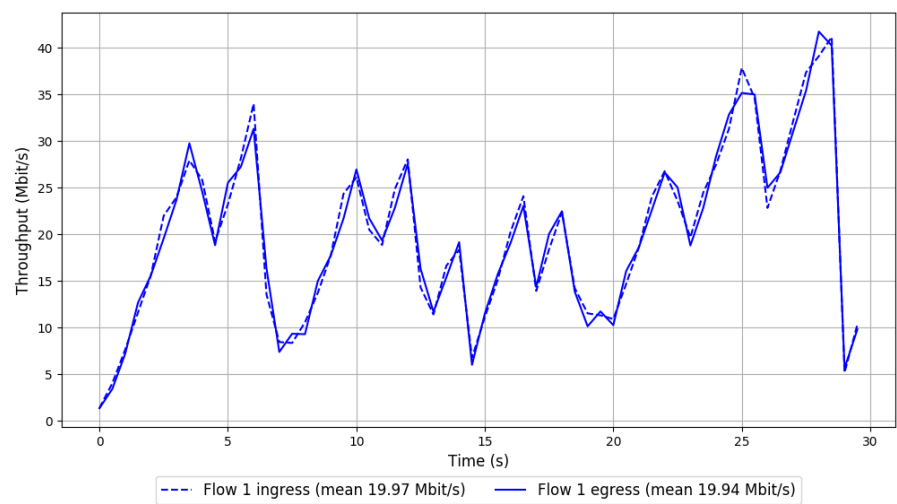


Run 3: Statistics of LEDBAT

Start at: 2018-01-01 22:26:34
End at: 2018-01-01 22:27:04
Local clock offset: -13.284 ms
Remote clock offset: -1.932 ms

Below is generated by plot.py at 2018-01-02 04:39:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.94 Mbit/s
95th percentile per-packet one-way delay: 29.601 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 19.94 Mbit/s
95th percentile per-packet one-way delay: 29.601 ms
Loss rate: 0.35%

Run 3: Report of LEDBAT — Data Link

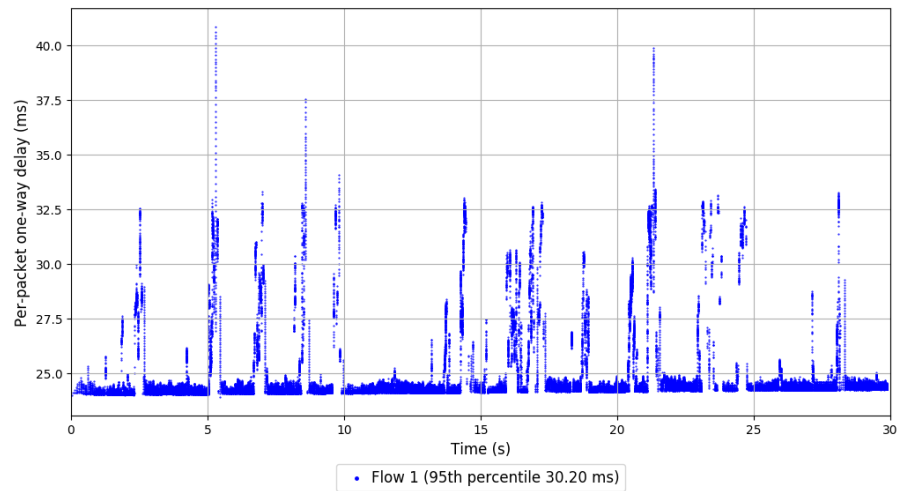
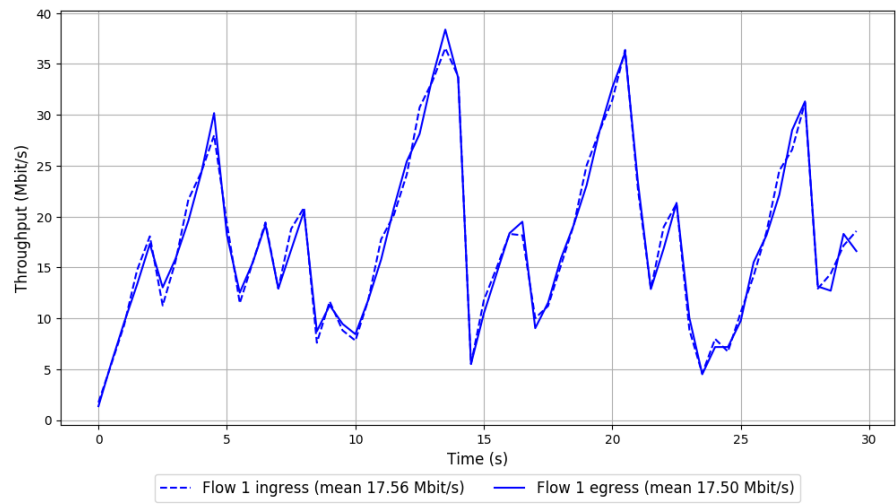


Run 4: Statistics of LEDBAT

Start at: 2018-01-01 22:47:13
End at: 2018-01-01 22:47:43
Local clock offset: -16.355 ms
Remote clock offset: -2.18 ms

Below is generated by plot.py at 2018-01-02 04:39:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 17.50 Mbit/s
95th percentile per-packet one-way delay: 30.200 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 17.50 Mbit/s
95th percentile per-packet one-way delay: 30.200 ms
Loss rate: 0.56%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-01-01 23:07:28

End at: 2018-01-01 23:07:58

Local clock offset: -20.45 ms

Remote clock offset: -1.16 ms

Below is generated by plot.py at 2018-01-02 04:39:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.13 Mbit/s

95th percentile per-packet one-way delay: 30.830 ms

Loss rate: 0.60%

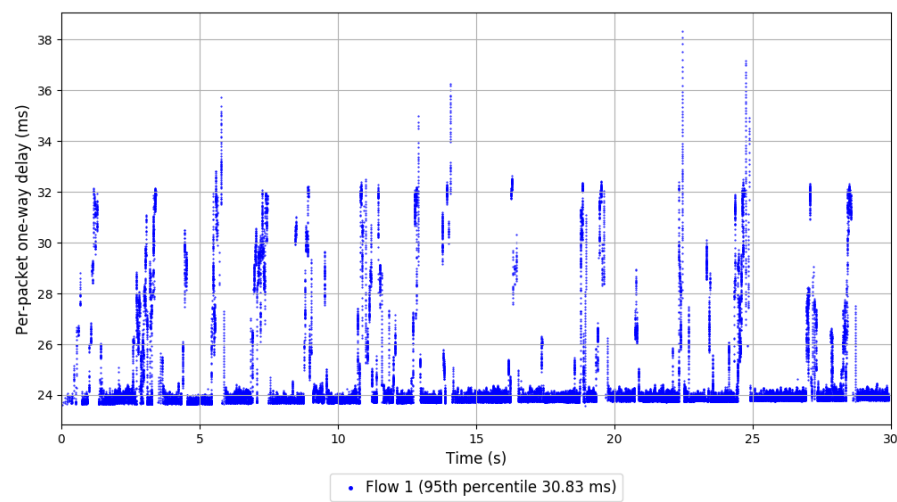
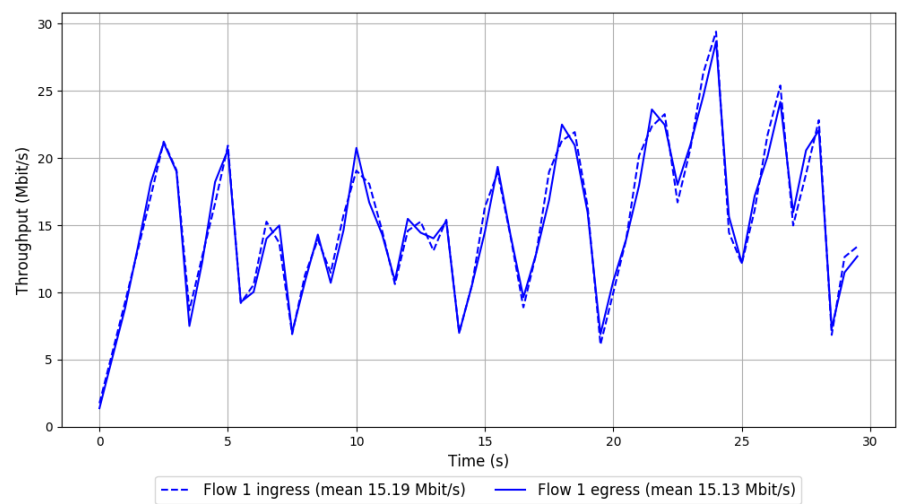
-- Flow 1:

Average throughput: 15.13 Mbit/s

95th percentile per-packet one-way delay: 30.830 ms

Loss rate: 0.60%

Run 5: Report of LEDBAT — Data Link

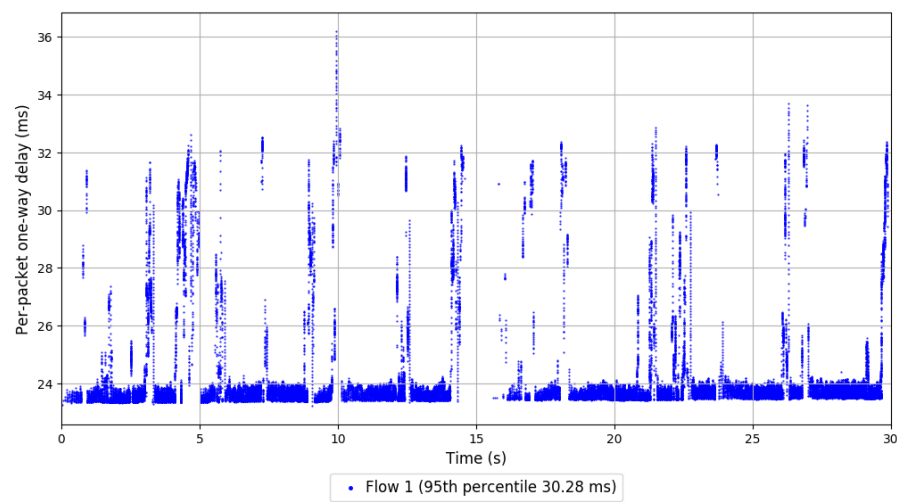
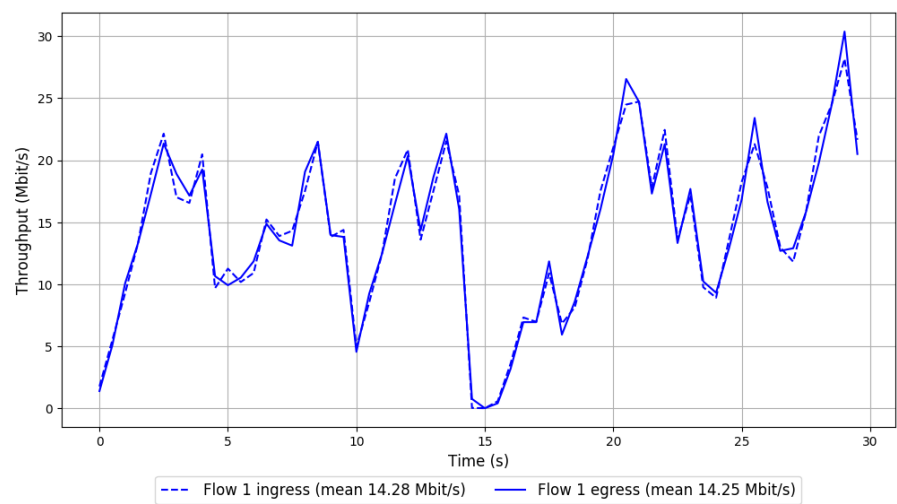


Run 6: Statistics of LEDBAT

Start at: 2018-01-01 23:28:03
End at: 2018-01-01 23:28:33
Local clock offset: -24.804 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-01-02 04:39:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 14.25 Mbit/s
95th percentile per-packet one-way delay: 30.282 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 14.25 Mbit/s
95th percentile per-packet one-way delay: 30.282 ms
Loss rate: 0.43%

Run 6: Report of LEDBAT — Data Link

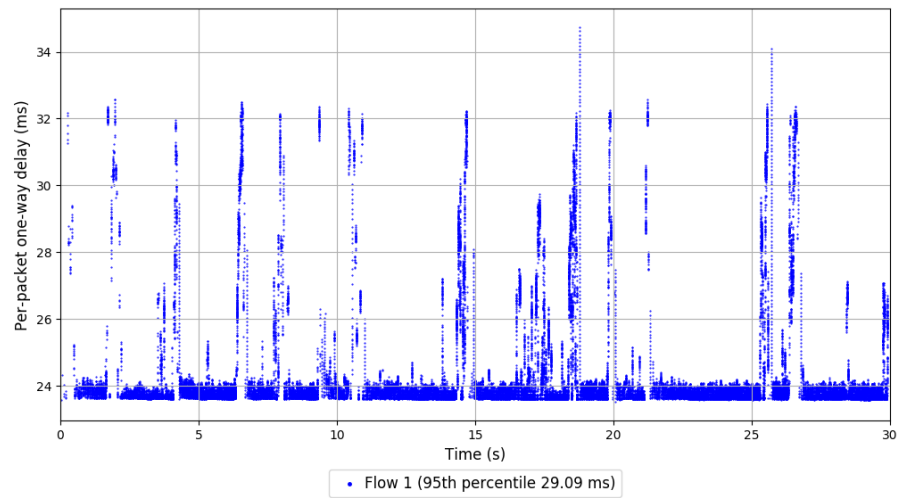
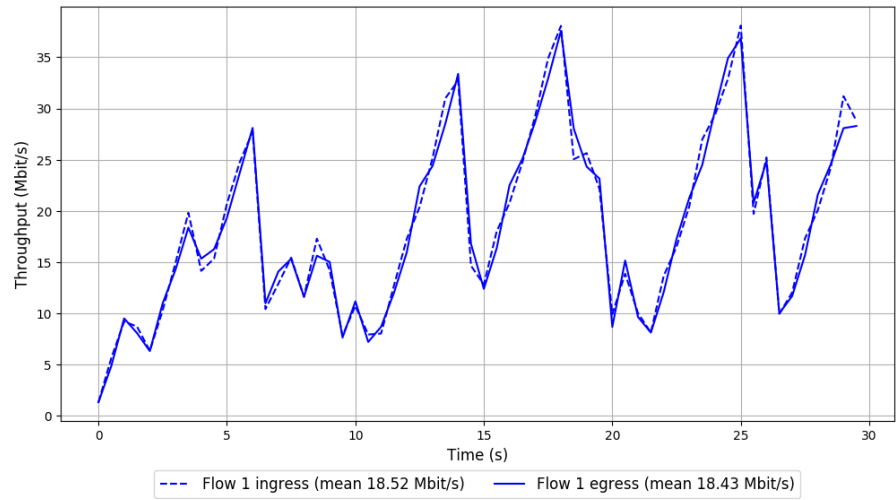


Run 7: Statistics of LEDBAT

Start at: 2018-01-01 23:48:33
End at: 2018-01-01 23:49:03
Local clock offset: -26.799 ms
Remote clock offset: -0.948 ms

Below is generated by plot.py at 2018-01-02 04:39:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.43 Mbit/s
95th percentile per-packet one-way delay: 29.086 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 18.43 Mbit/s
95th percentile per-packet one-way delay: 29.086 ms
Loss rate: 0.62%

Run 7: Report of LEDBAT — Data Link

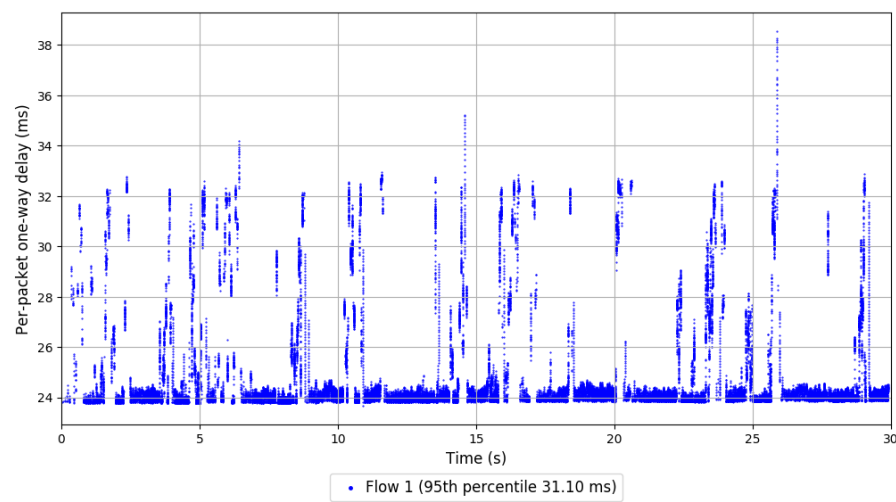
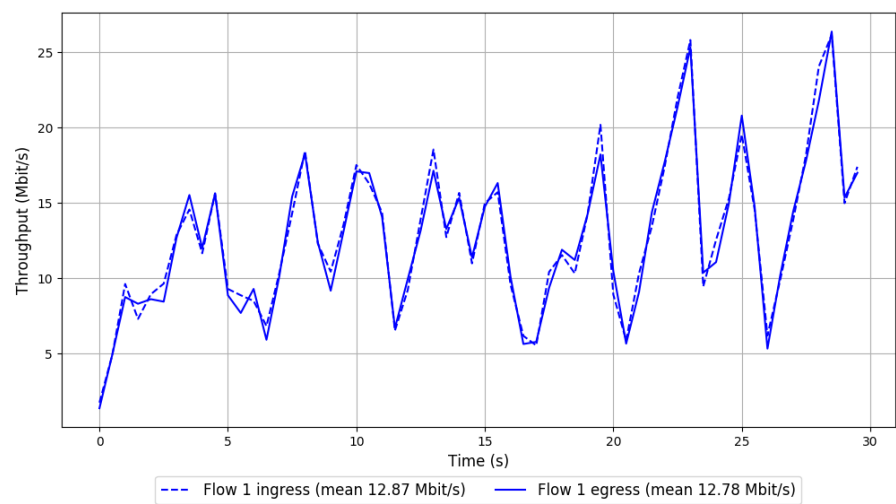


Run 8: Statistics of LEDBAT

Start at: 2018-01-02 00:08:48
End at: 2018-01-02 00:09:18
Local clock offset: -29.357 ms
Remote clock offset: -1.59 ms

Below is generated by plot.py at 2018-01-02 04:39:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.78 Mbit/s
95th percentile per-packet one-way delay: 31.101 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 12.78 Mbit/s
95th percentile per-packet one-way delay: 31.101 ms
Loss rate: 0.88%

Run 8: Report of LEDBAT — Data Link

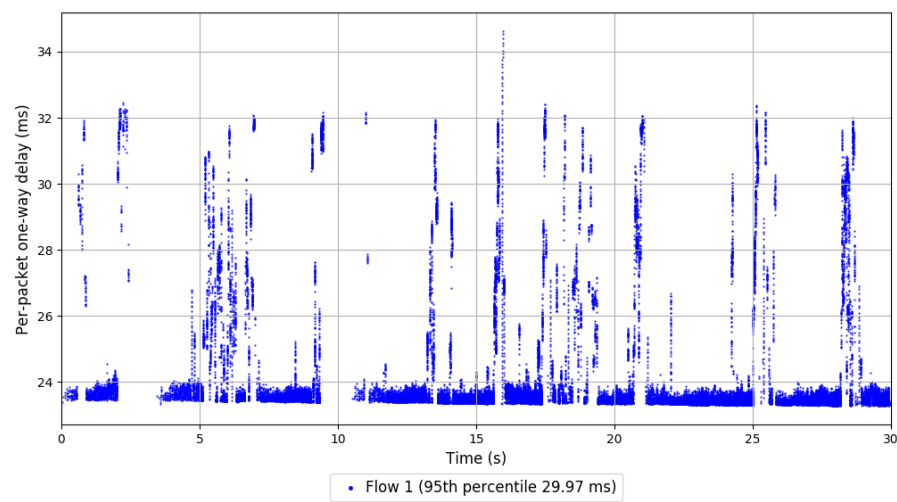
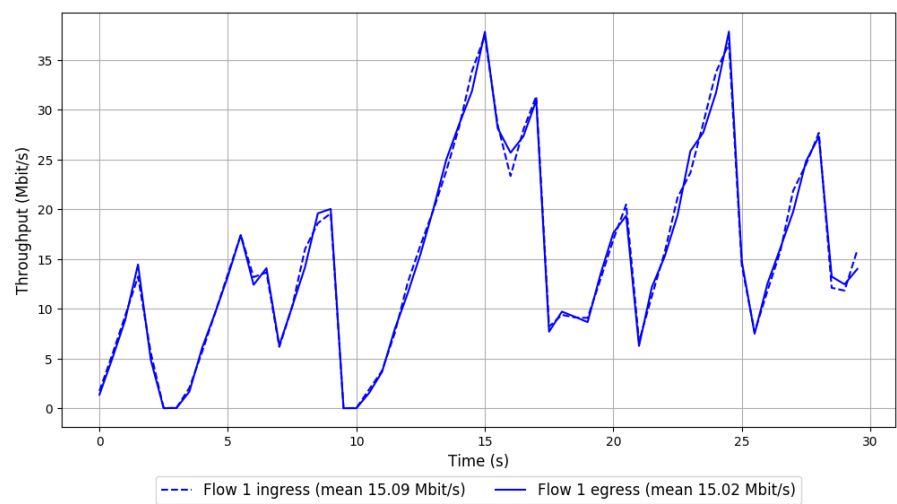


Run 9: Statistics of LEDBAT

Start at: 2018-01-02 00:29:25
End at: 2018-01-02 00:29:55
Local clock offset: -32.716 ms
Remote clock offset: -1.929 ms

Below is generated by plot.py at 2018-01-02 04:39:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.02 Mbit/s
95th percentile per-packet one-way delay: 29.972 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 15.02 Mbit/s
95th percentile per-packet one-way delay: 29.972 ms
Loss rate: 0.63%

Run 9: Report of LEDBAT — Data Link

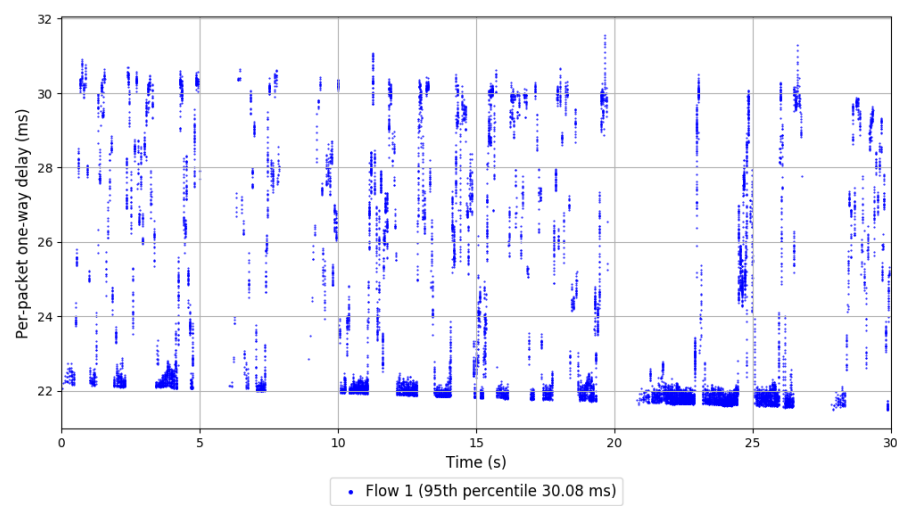
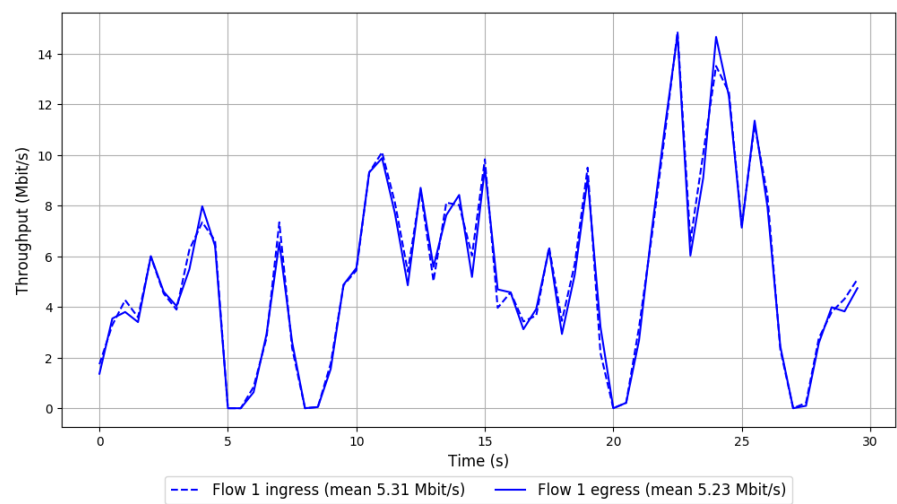


Run 10: Statistics of LEDBAT

Start at: 2018-01-02 00:49:56
End at: 2018-01-02 00:50:26
Local clock offset: -12.968 ms
Remote clock offset: -0.185 ms

Below is generated by plot.py at 2018-01-02 04:39:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.23 Mbit/s
95th percentile per-packet one-way delay: 30.081 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 5.23 Mbit/s
95th percentile per-packet one-way delay: 30.081 ms
Loss rate: 1.59%

Run 10: Report of LEDBAT — Data Link

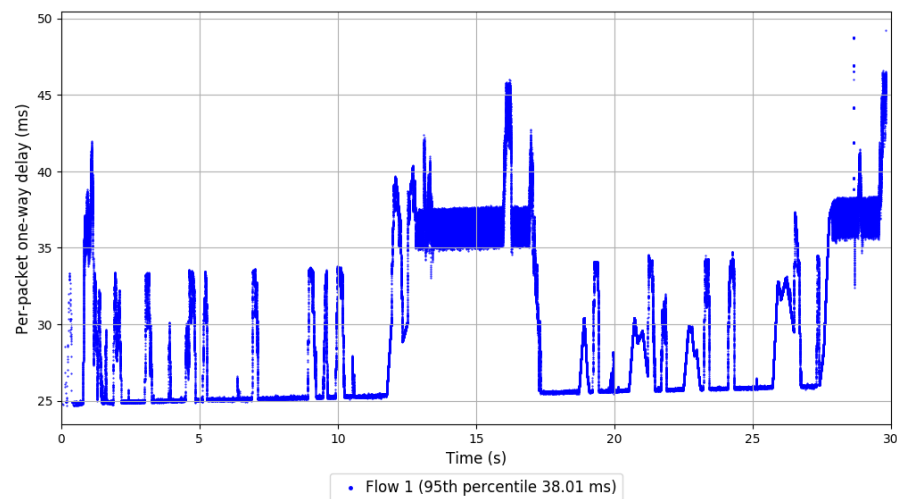
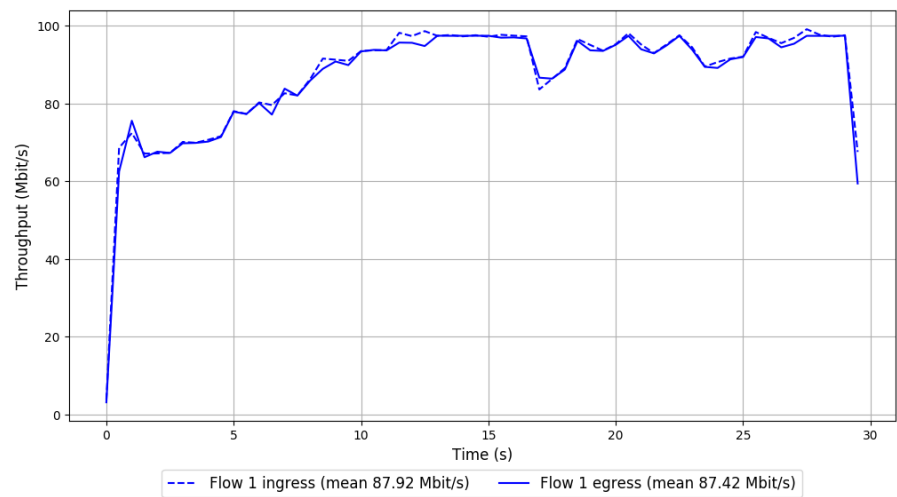


```
Run 1: Statistics of PCC

Start at: 2018-01-01 21:44:39
End at: 2018-01-01 21:45:09
Local clock offset: -21.888 ms
Remote clock offset: -1.238 ms

# Below is generated by plot.py at 2018-01-02 04:40:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.42 Mbit/s
95th percentile per-packet one-way delay: 38.009 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 87.42 Mbit/s
95th percentile per-packet one-way delay: 38.009 ms
Loss rate: 0.75%
```

Run 1: Report of PCC — Data Link

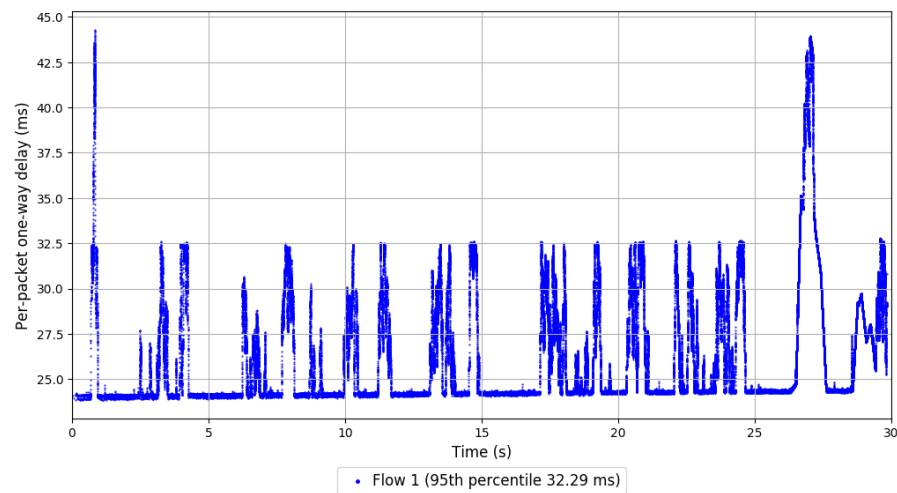
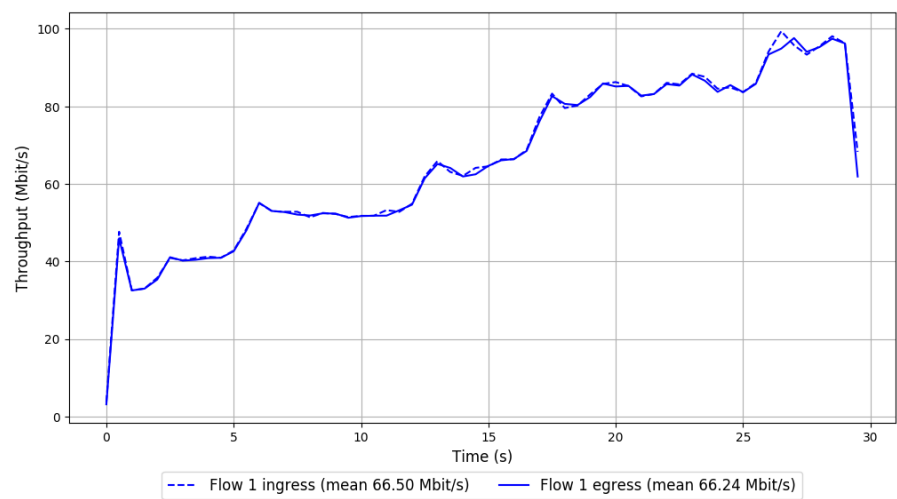


Run 2: Statistics of PCC

Start at: 2018-01-01 22:04:59
End at: 2018-01-01 22:05:29
Local clock offset: -1.011 ms
Remote clock offset: -1.622 ms

Below is generated by plot.py at 2018-01-02 04:40:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.24 Mbit/s
95th percentile per-packet one-way delay: 32.291 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 66.24 Mbit/s
95th percentile per-packet one-way delay: 32.291 ms
Loss rate: 0.56%

Run 2: Report of PCC — Data Link

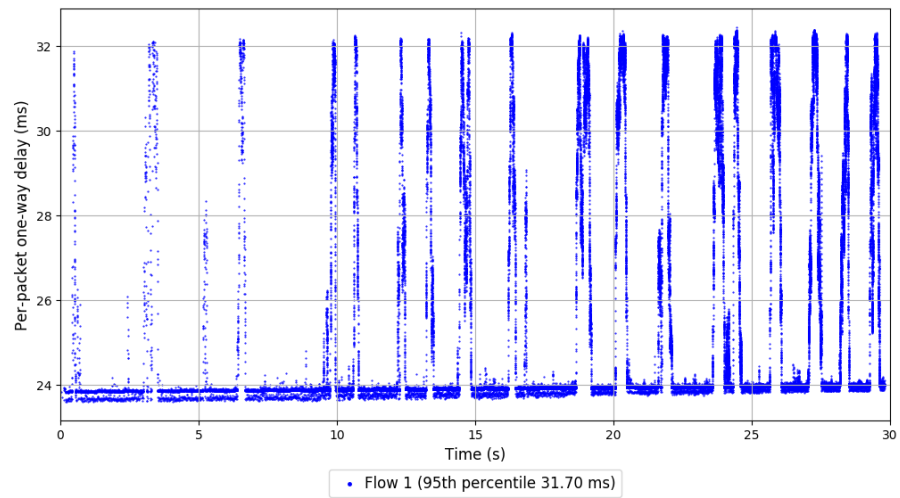
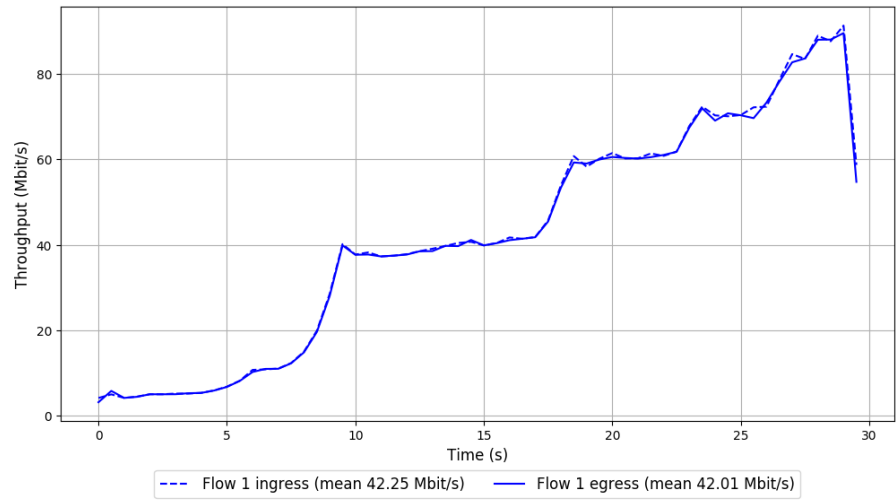


Run 3: Statistics of PCC

Start at: 2018-01-01 22:25:16
End at: 2018-01-01 22:25:46
Local clock offset: -12.723 ms
Remote clock offset: -2.242 ms

Below is generated by plot.py at 2018-01-02 04:40:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 42.01 Mbit/s
95th percentile per-packet one-way delay: 31.695 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 42.01 Mbit/s
95th percentile per-packet one-way delay: 31.695 ms
Loss rate: 0.76%

Run 3: Report of PCC — Data Link

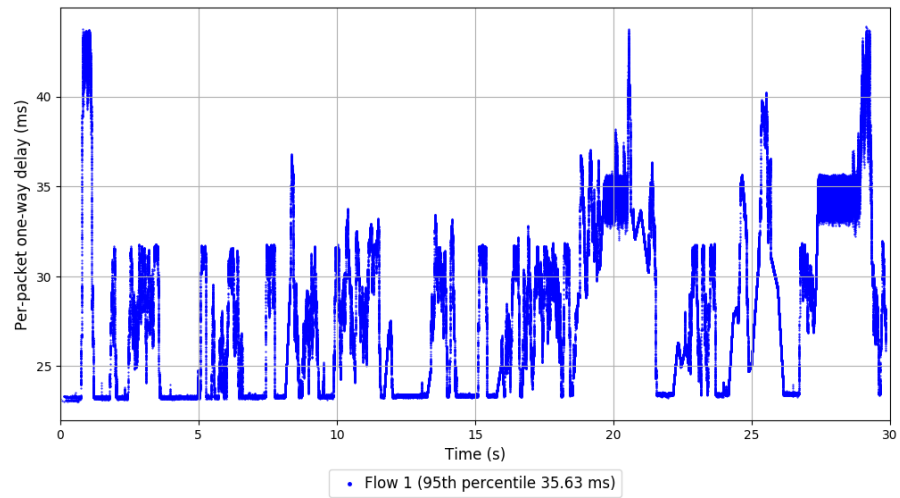
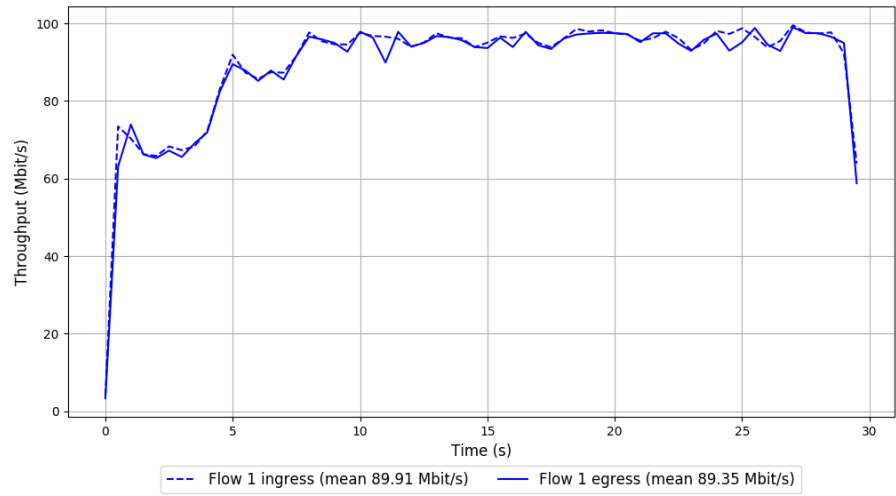


Run 4: Statistics of PCC

Start at: 2018-01-01 22:45:48
End at: 2018-01-01 22:46:18
Local clock offset: -15.805 ms
Remote clock offset: -1.592 ms

Below is generated by plot.py at 2018-01-02 04:40:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.35 Mbit/s
95th percentile per-packet one-way delay: 35.634 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 89.35 Mbit/s
95th percentile per-packet one-way delay: 35.634 ms
Loss rate: 0.80%

Run 4: Report of PCC — Data Link

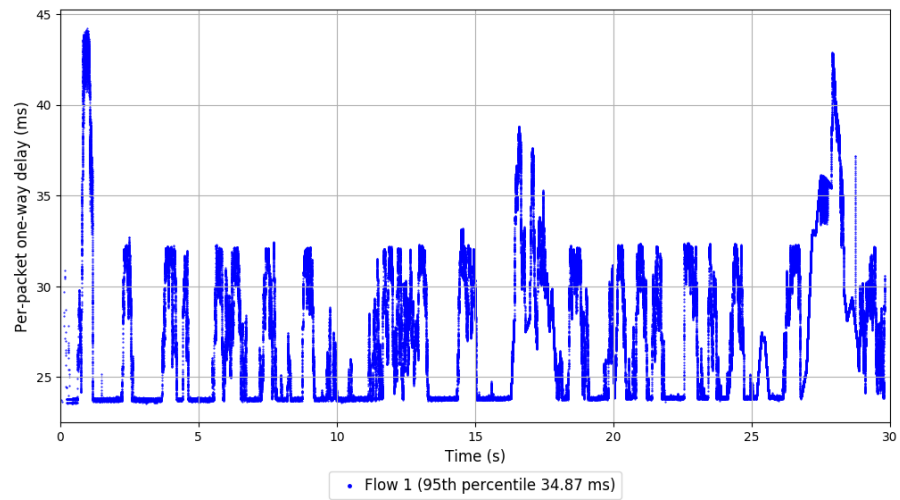
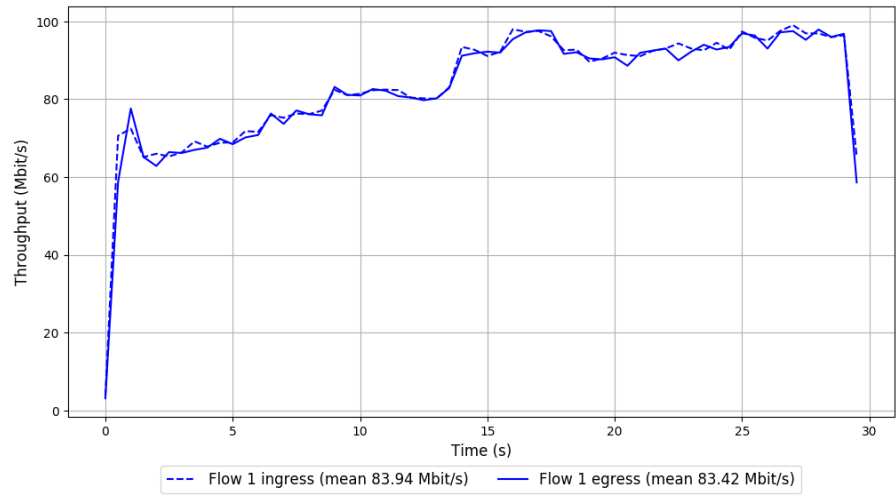


Run 5: Statistics of PCC

Start at: 2018-01-01 23:06:05
End at: 2018-01-01 23:06:35
Local clock offset: -20.114 ms
Remote clock offset: -1.35 ms

Below is generated by plot.py at 2018-01-02 04:40:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.42 Mbit/s
95th percentile per-packet one-way delay: 34.867 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 83.42 Mbit/s
95th percentile per-packet one-way delay: 34.867 ms
Loss rate: 0.80%

Run 5: Report of PCC — Data Link

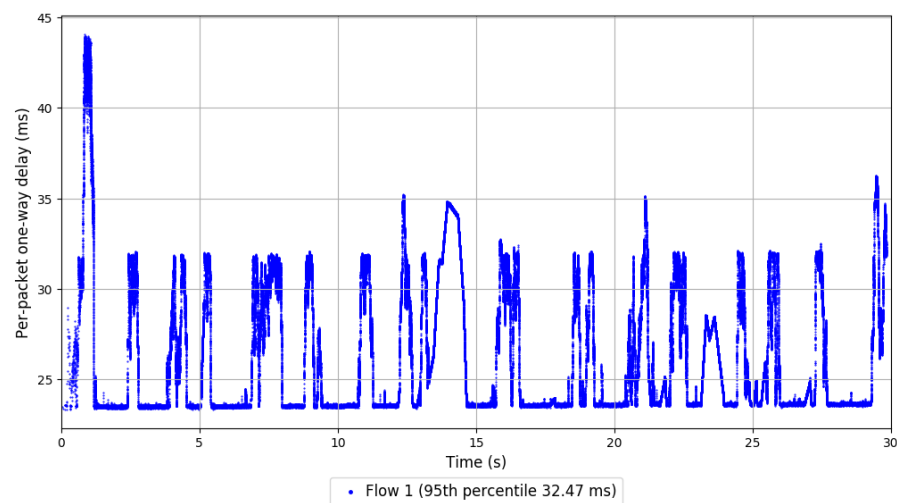
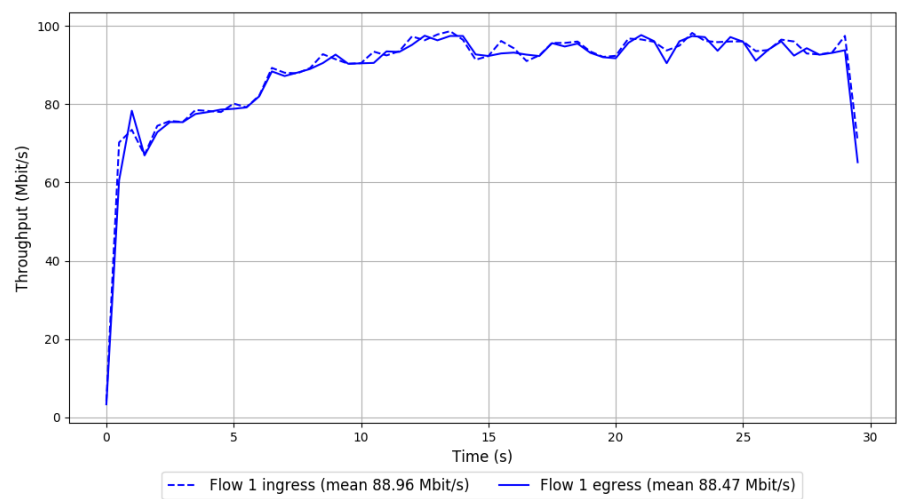


Run 6: Statistics of PCC

Start at: 2018-01-01 23:26:39
End at: 2018-01-01 23:27:09
Local clock offset: -24.376 ms
Remote clock offset: -0.271 ms

Below is generated by plot.py at 2018-01-02 04:40:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.47 Mbit/s
95th percentile per-packet one-way delay: 32.474 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 88.47 Mbit/s
95th percentile per-packet one-way delay: 32.474 ms
Loss rate: 0.73%

Run 6: Report of PCC — Data Link

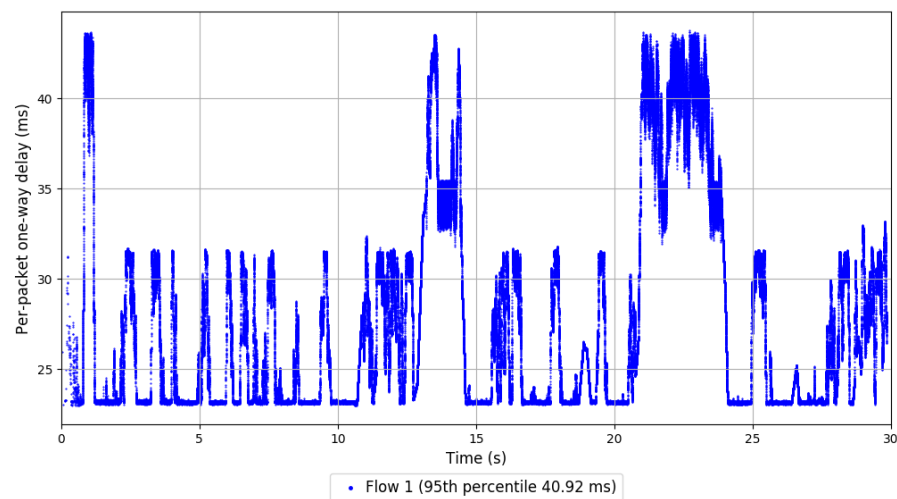
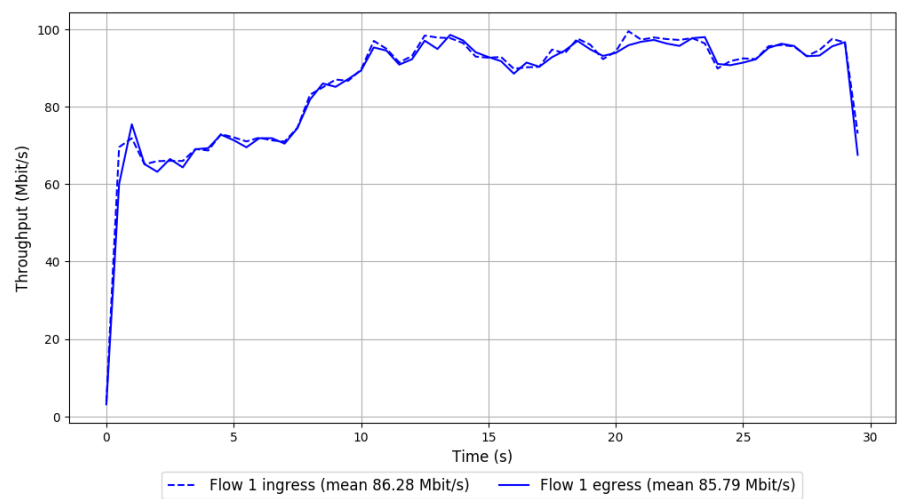


Run 7: Statistics of PCC

Start at: 2018-01-01 23:47:07
End at: 2018-01-01 23:47:38
Local clock offset: -26.741 ms
Remote clock offset: -0.349 ms

Below is generated by plot.py at 2018-01-02 04:41:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.79 Mbit/s
95th percentile per-packet one-way delay: 40.925 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 85.79 Mbit/s
95th percentile per-packet one-way delay: 40.925 ms
Loss rate: 0.75%

Run 7: Report of PCC — Data Link

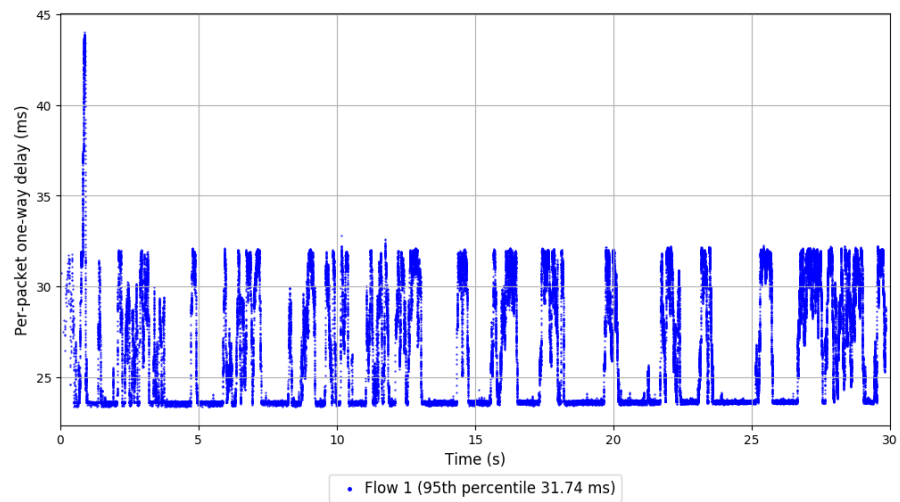
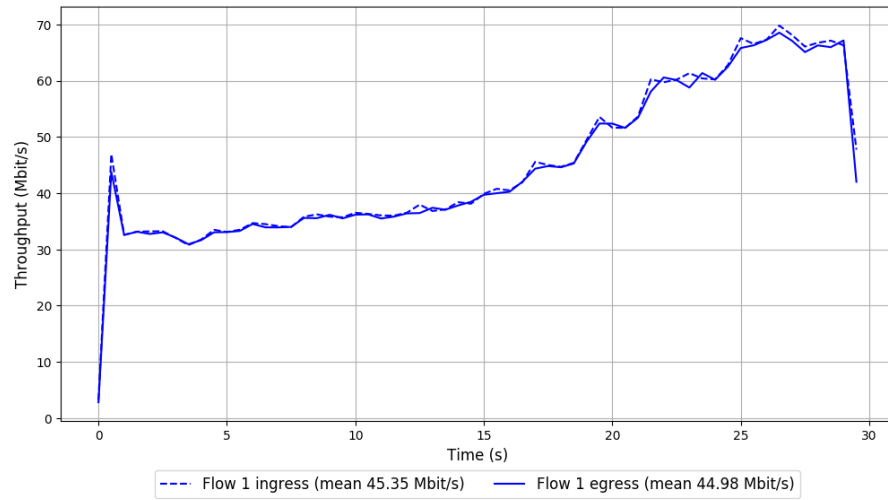


Run 8: Statistics of PCC

Start at: 2018-01-02 00:07:27
End at: 2018-01-02 00:07:57
Local clock offset: -29.053 ms
Remote clock offset: -1.411 ms

Below is generated by plot.py at 2018-01-02 04:41:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 44.98 Mbit/s
95th percentile per-packet one-way delay: 31.744 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 44.98 Mbit/s
95th percentile per-packet one-way delay: 31.744 ms
Loss rate: 1.02%

Run 8: Report of PCC — Data Link

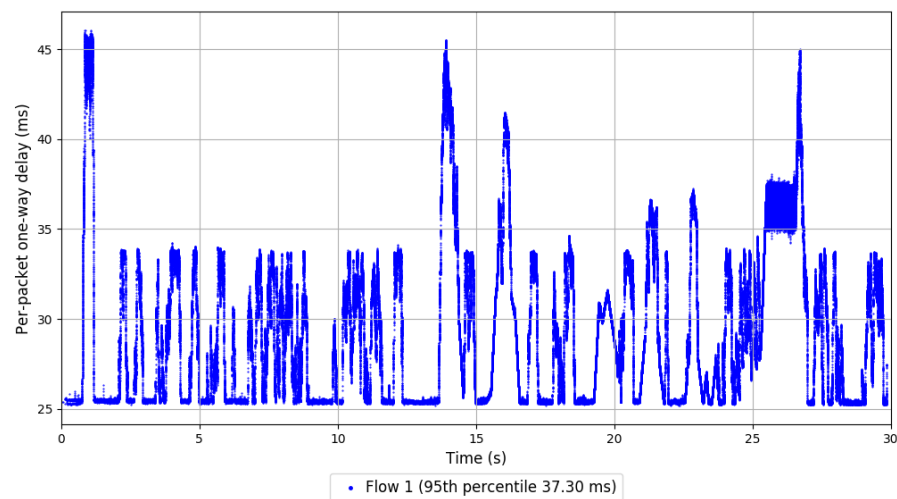
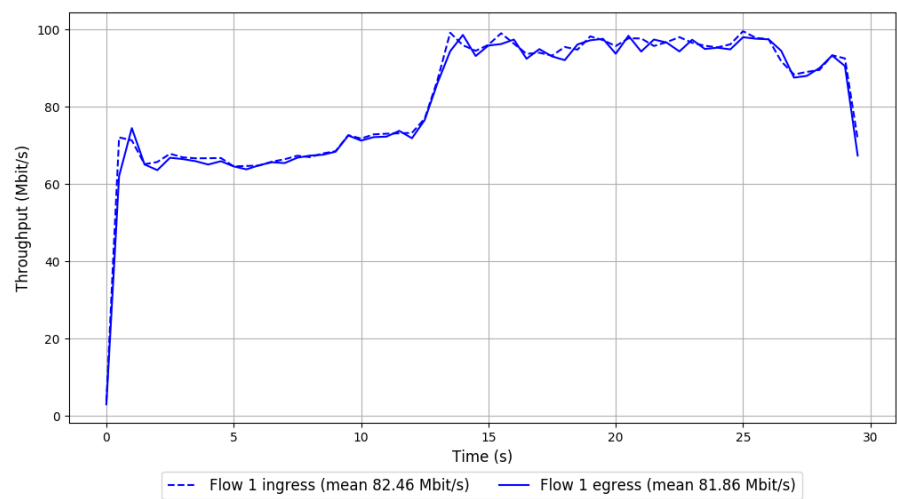


Run 9: Statistics of PCC

Start at: 2018-01-02 00:28:01
End at: 2018-01-02 00:28:31
Local clock offset: -33.211 ms
Remote clock offset: -3.993 ms

Below is generated by plot.py at 2018-01-02 04:41:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.86 Mbit/s
95th percentile per-packet one-way delay: 37.303 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 81.86 Mbit/s
95th percentile per-packet one-way delay: 37.303 ms
Loss rate: 0.90%

Run 9: Report of PCC — Data Link

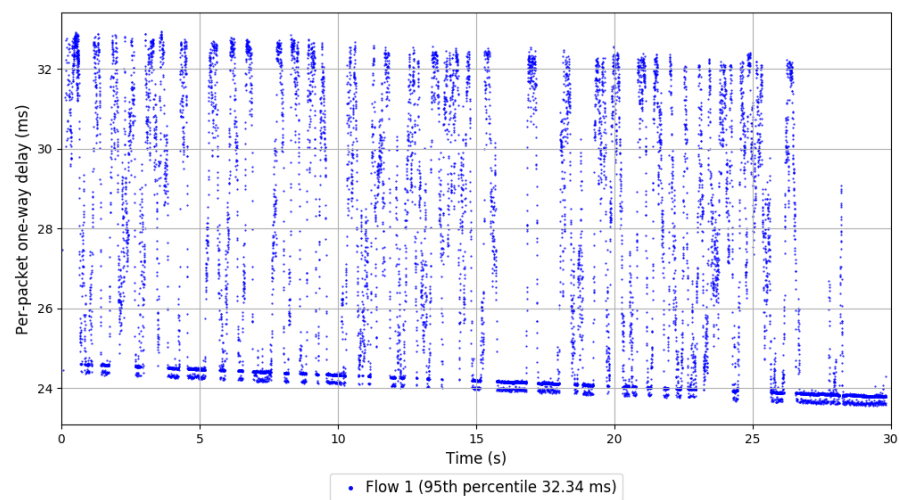
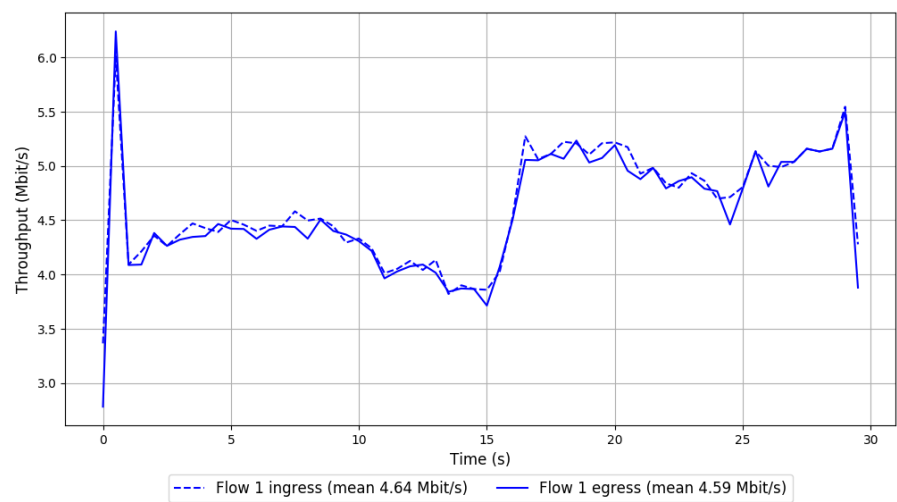


Run 10: Statistics of PCC

Start at: 2018-01-02 00:48:39
End at: 2018-01-02 00:49:09
Local clock offset: -15.146 ms
Remote clock offset: -2.829 ms

Below is generated by plot.py at 2018-01-02 04:41:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.59 Mbit/s
95th percentile per-packet one-way delay: 32.344 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 4.59 Mbit/s
95th percentile per-packet one-way delay: 32.344 ms
Loss rate: 1.18%

Run 10: Report of PCC — Data Link

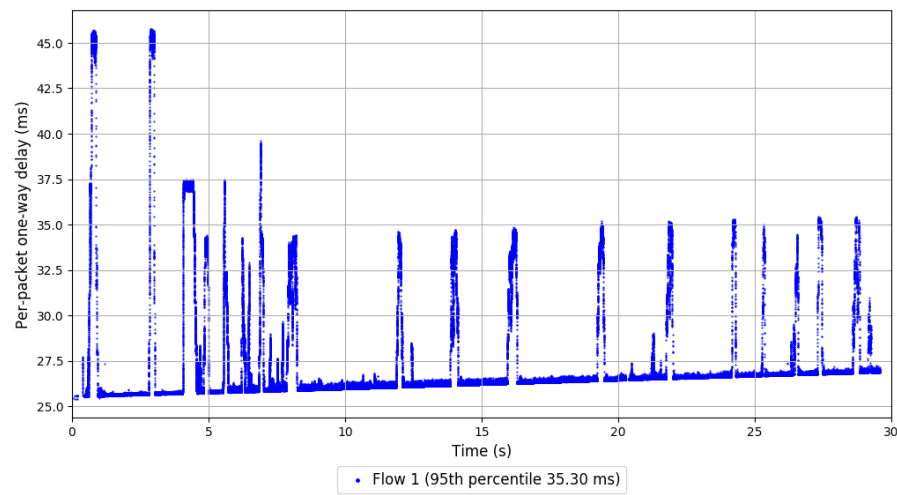
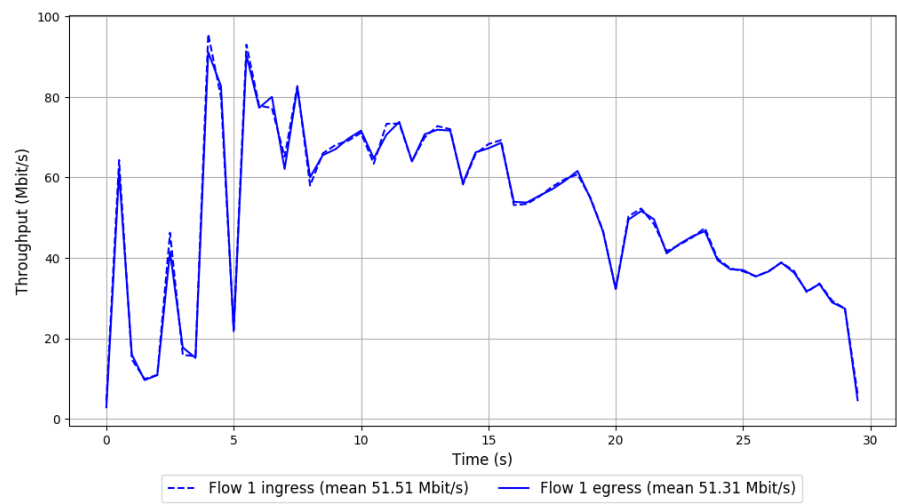


Run 1: Statistics of QUIC Cubic

Start at: 2018-01-01 21:40:46
End at: 2018-01-01 21:41:16
Local clock offset: -11.324 ms
Remote clock offset: -1.294 ms

Below is generated by plot.py at 2018-01-02 04:41:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 51.31 Mbit/s
95th percentile per-packet one-way delay: 35.295 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 51.31 Mbit/s
95th percentile per-packet one-way delay: 35.295 ms
Loss rate: 0.55%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-01-01 22:01:05

End at: 2018-01-01 22:01:35

Local clock offset: 0.987 ms

Remote clock offset: -1.472 ms

Below is generated by plot.py at 2018-01-02 04:41:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.82 Mbit/s

95th percentile per-packet one-way delay: 34.879 ms

Loss rate: 0.67%

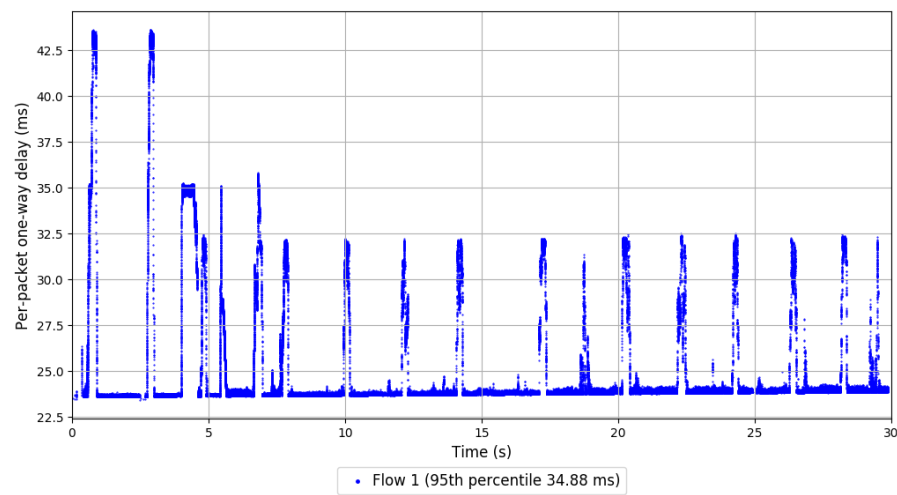
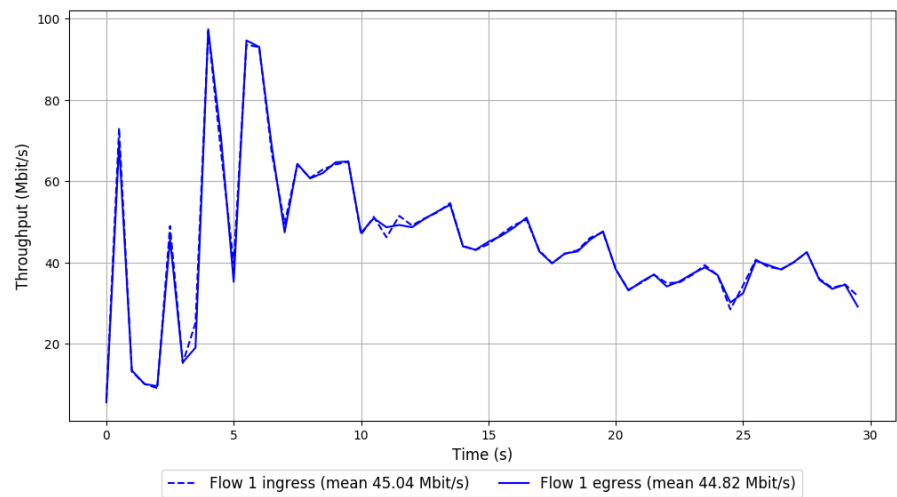
-- Flow 1:

Average throughput: 44.82 Mbit/s

95th percentile per-packet one-way delay: 34.879 ms

Loss rate: 0.67%

Run 2: Report of QUIC Cubic — Data Link

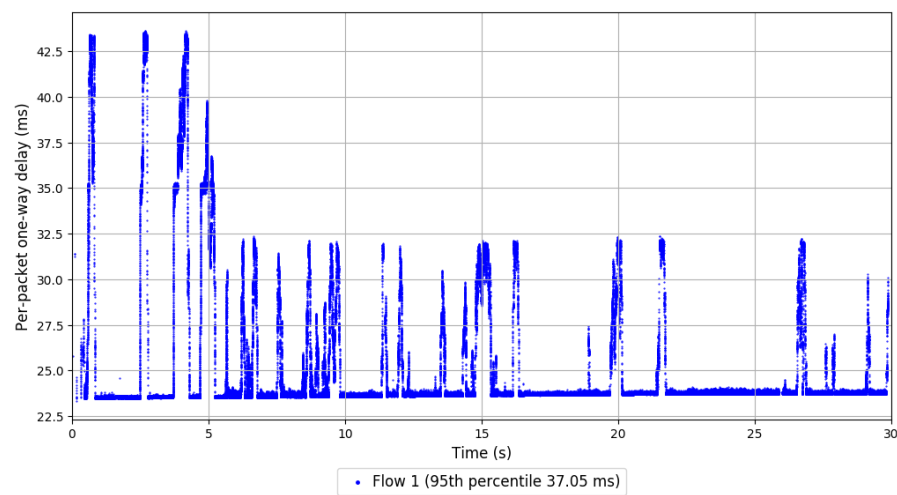
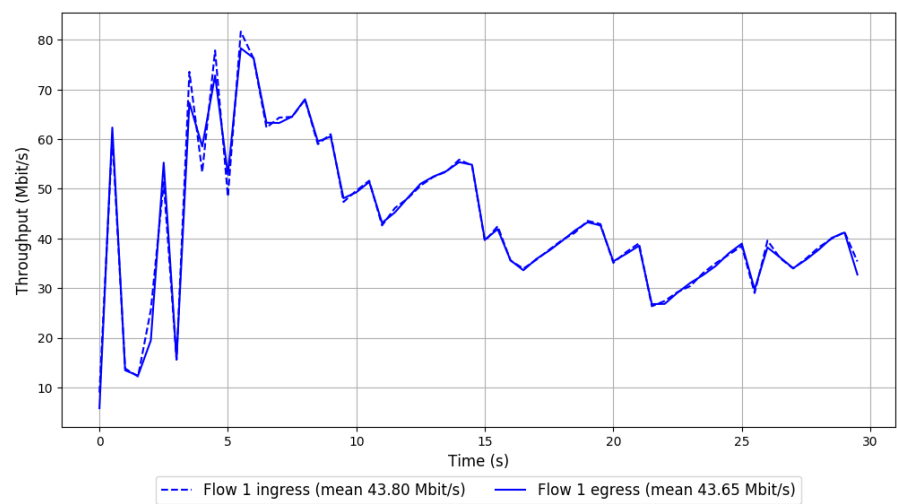


Run 3: Statistics of QUIC Cubic

Start at: 2018-01-01 22:21:22
End at: 2018-01-01 22:21:52
Local clock offset: -11.497 ms
Remote clock offset: -1.685 ms

Below is generated by plot.py at 2018-01-02 04:41:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 43.65 Mbit/s
95th percentile per-packet one-way delay: 37.051 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 43.65 Mbit/s
95th percentile per-packet one-way delay: 37.051 ms
Loss rate: 0.51%

Run 3: Report of QUIC Cubic — Data Link

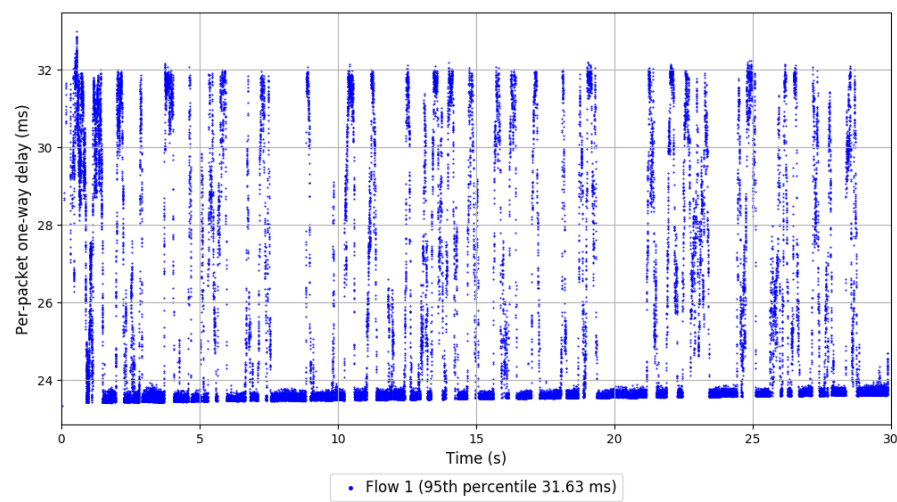
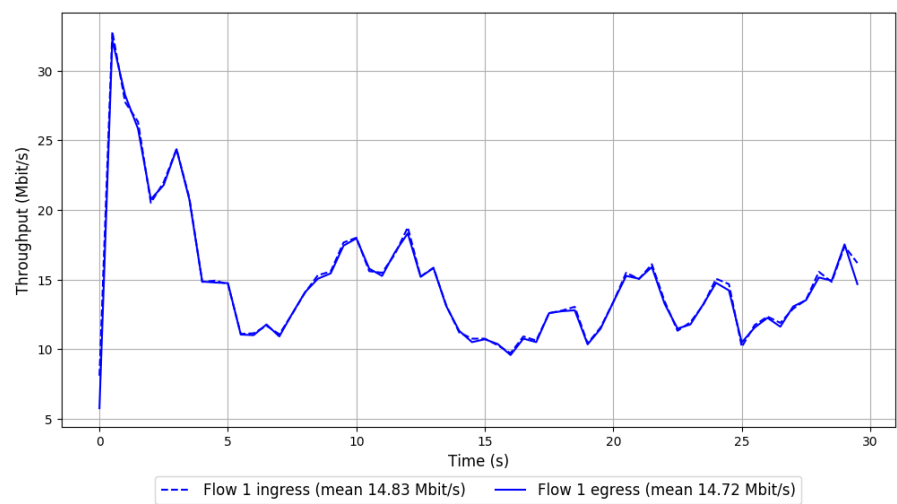


Run 4: Statistics of QUIC Cubic

Start at: 2018-01-01 22:41:56
End at: 2018-01-01 22:42:26
Local clock offset: -14.228 ms
Remote clock offset: -1.833 ms

Below is generated by plot.py at 2018-01-02 04:41:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 14.72 Mbit/s
95th percentile per-packet one-way delay: 31.627 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 14.72 Mbit/s
95th percentile per-packet one-way delay: 31.627 ms
Loss rate: 0.94%

Run 4: Report of QUIC Cubic — Data Link

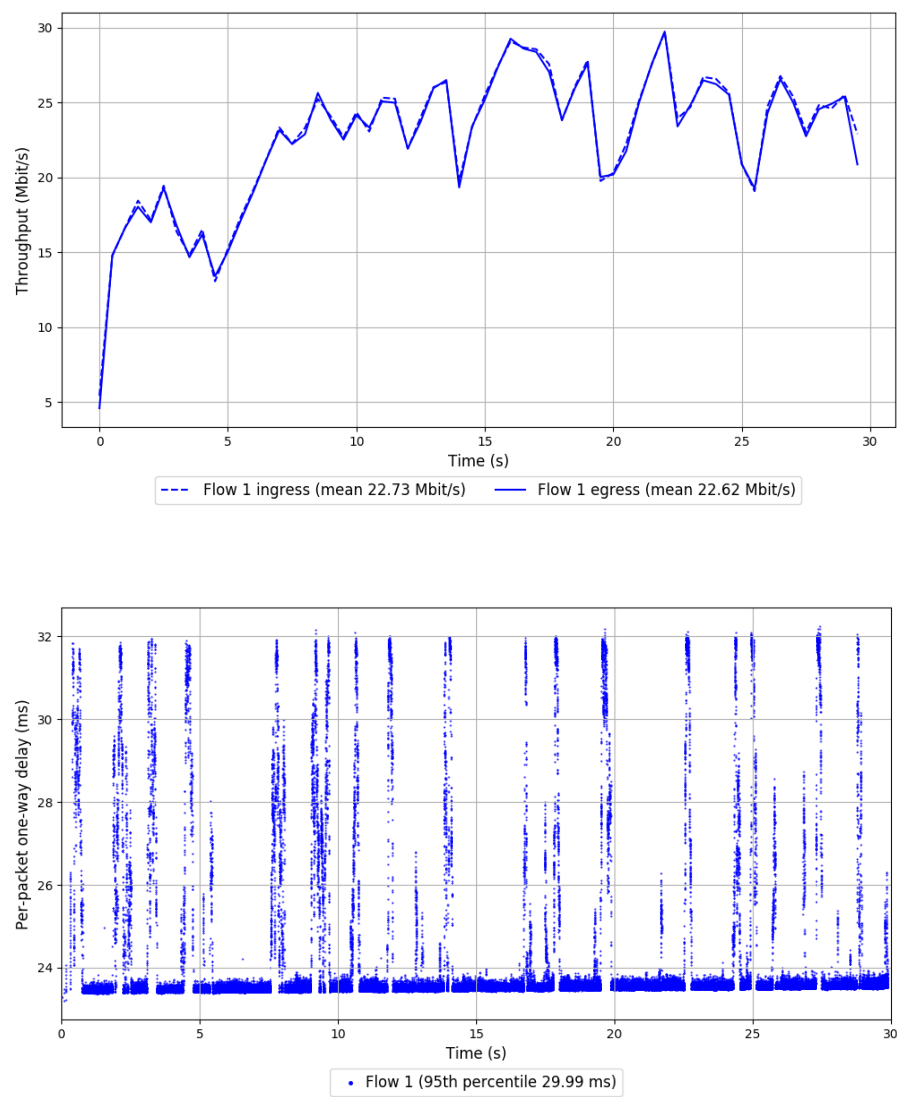


Run 5: Statistics of QUIC Cubic

Start at: 2018-01-01 23:02:14
End at: 2018-01-01 23:02:44
Local clock offset: -19.156 ms
Remote clock offset: -1.036 ms

Below is generated by plot.py at 2018-01-02 04:41:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.62 Mbit/s
95th percentile per-packet one-way delay: 29.989 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 22.62 Mbit/s
95th percentile per-packet one-way delay: 29.989 ms
Loss rate: 0.70%

Run 5: Report of QUIC Cubic — Data Link

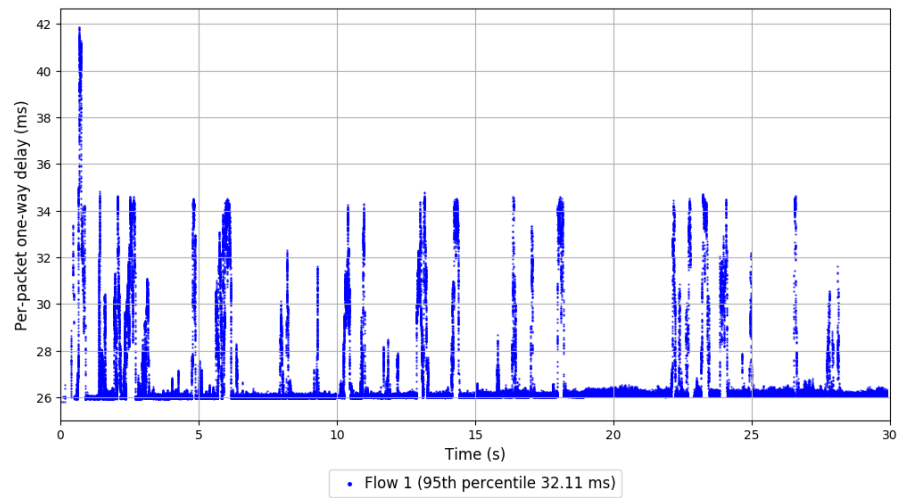
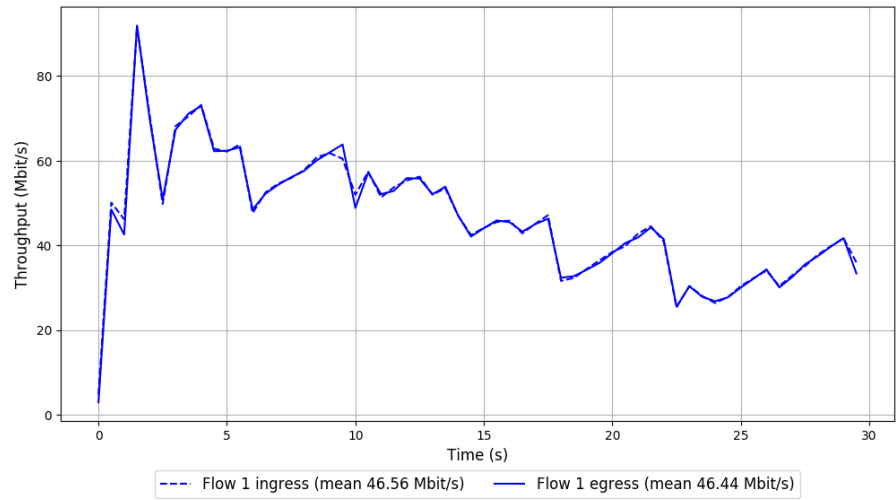


Run 6: Statistics of QUIC Cubic

Start at: 2018-01-01 23:22:45
End at: 2018-01-01 23:23:15
Local clock offset: -23.307 ms
Remote clock offset: -2.889 ms

Below is generated by plot.py at 2018-01-02 04:41:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 46.44 Mbit/s
95th percentile per-packet one-way delay: 32.111 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 46.44 Mbit/s
95th percentile per-packet one-way delay: 32.111 ms
Loss rate: 0.43%

Run 6: Report of QUIC Cubic — Data Link

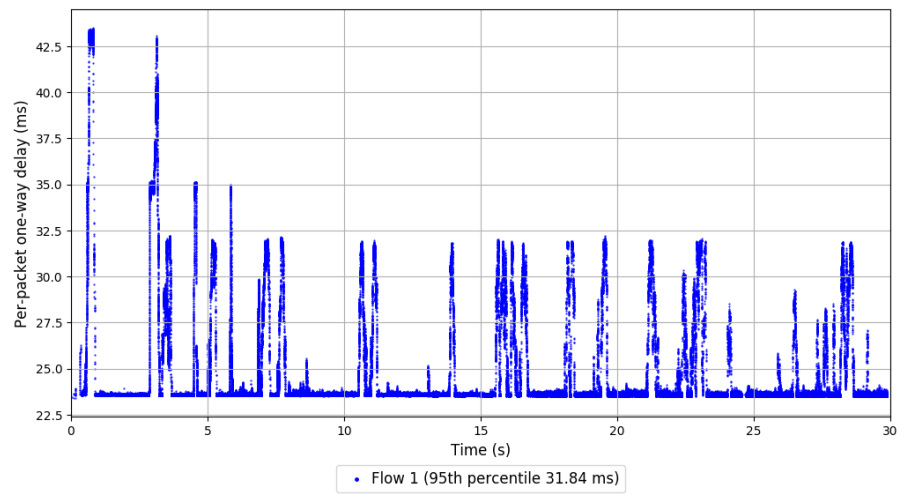
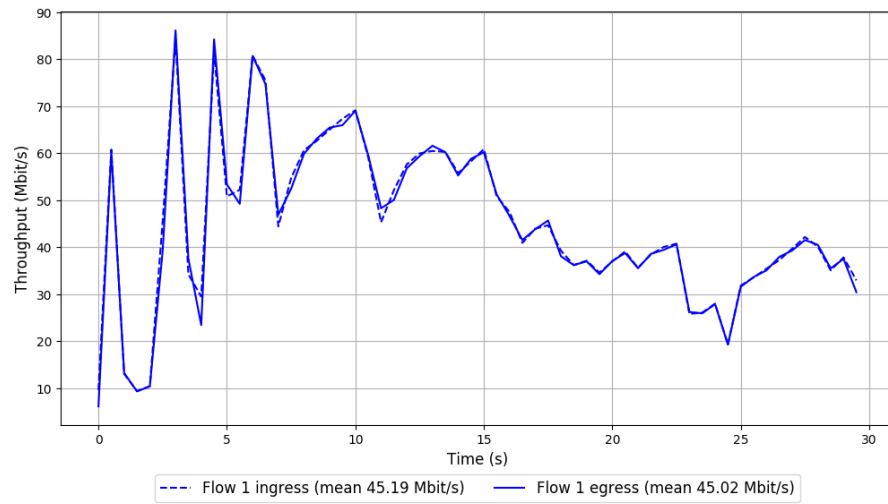


Run 7: Statistics of QUIC Cubic

Start at: 2018-01-01 23:43:12
End at: 2018-01-01 23:43:42
Local clock offset: -27.225 ms
Remote clock offset: -0.797 ms

Below is generated by plot.py at 2018-01-02 04:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 45.02 Mbit/s
95th percentile per-packet one-way delay: 31.836 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 45.02 Mbit/s
95th percentile per-packet one-way delay: 31.836 ms
Loss rate: 0.55%

Run 7: Report of QUIC Cubic — Data Link

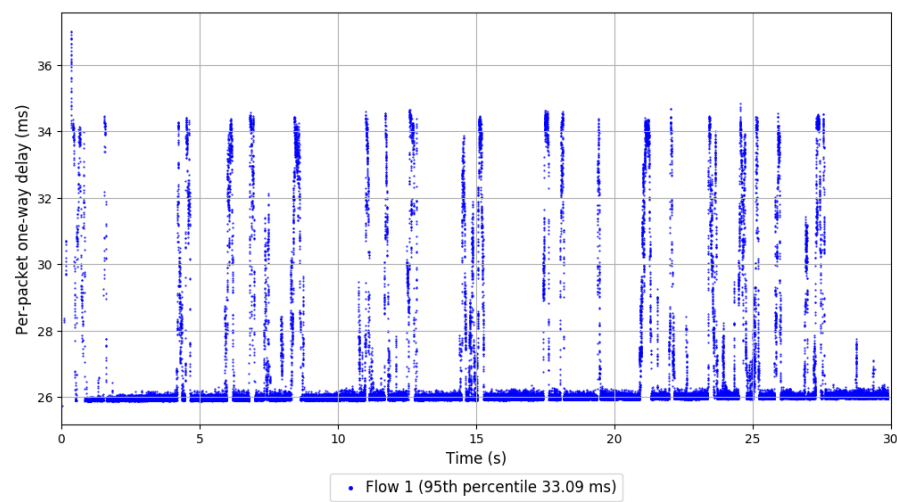
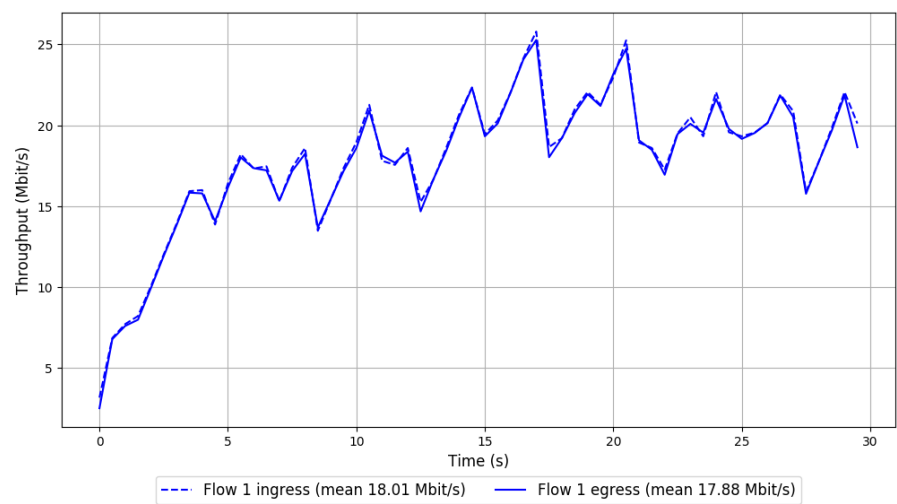


Run 8: Statistics of QUIC Cubic

Start at: 2018-01-02 00:03:37
End at: 2018-01-02 00:04:07
Local clock offset: -28.269 ms
Remote clock offset: -3.575 ms

Below is generated by plot.py at 2018-01-02 04:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 17.88 Mbit/s
95th percentile per-packet one-way delay: 33.093 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 17.88 Mbit/s
95th percentile per-packet one-way delay: 33.093 ms
Loss rate: 0.90%

Run 8: Report of QUIC Cubic — Data Link

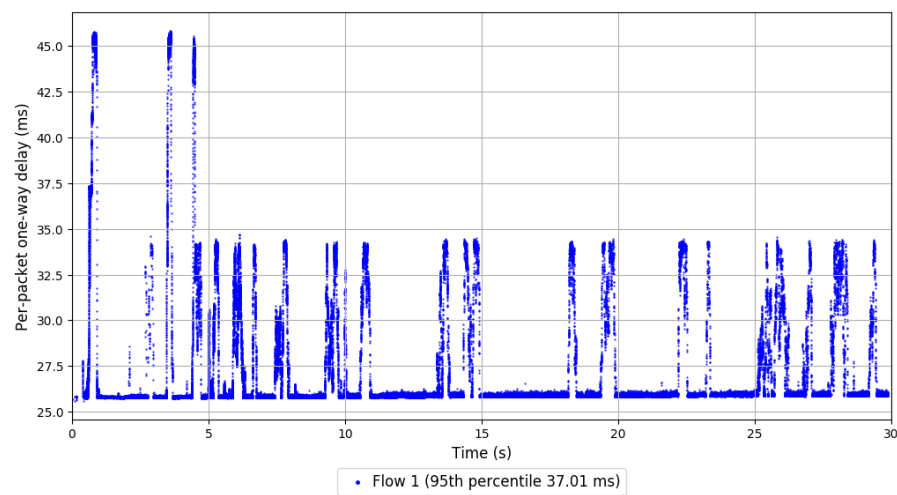
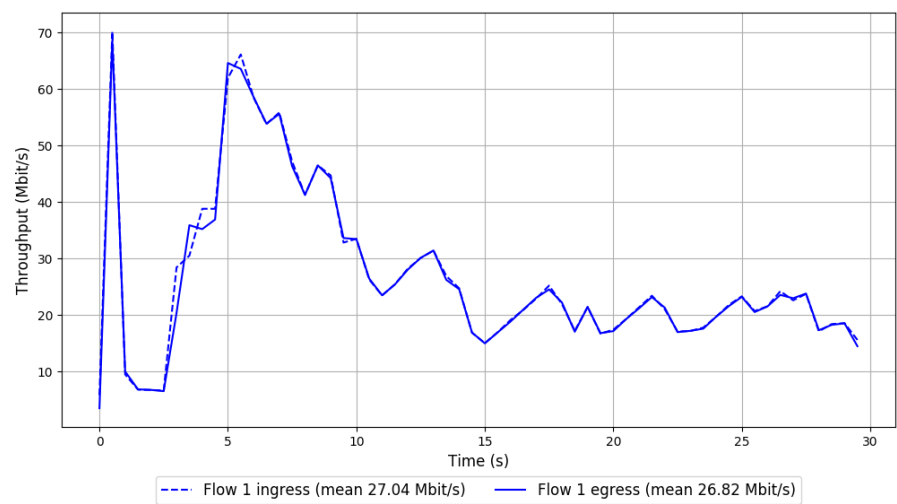


Run 9: Statistics of QUIC Cubic

Start at: 2018-01-02 00:24:07
End at: 2018-01-02 00:24:37
Local clock offset: -32.722 ms
Remote clock offset: -3.974 ms

Below is generated by plot.py at 2018-01-02 04:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 26.82 Mbit/s
95th percentile per-packet one-way delay: 37.014 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 26.82 Mbit/s
95th percentile per-packet one-way delay: 37.014 ms
Loss rate: 0.99%

Run 9: Report of QUIC Cubic — Data Link

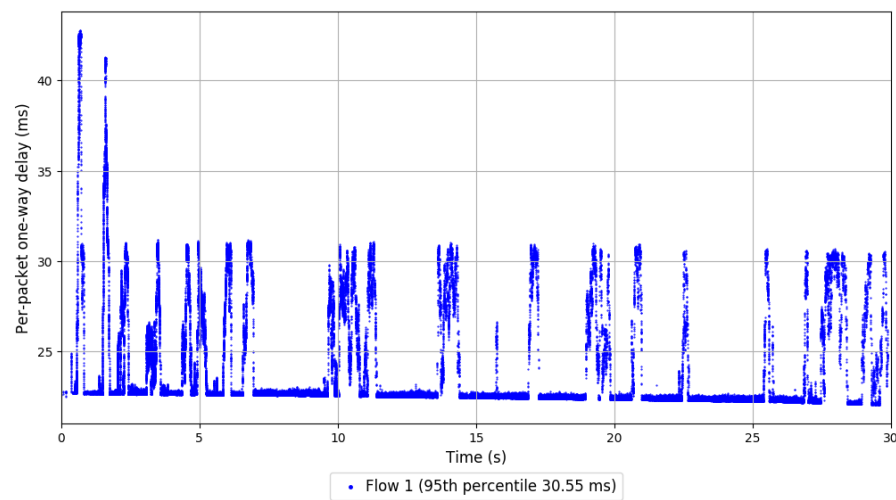
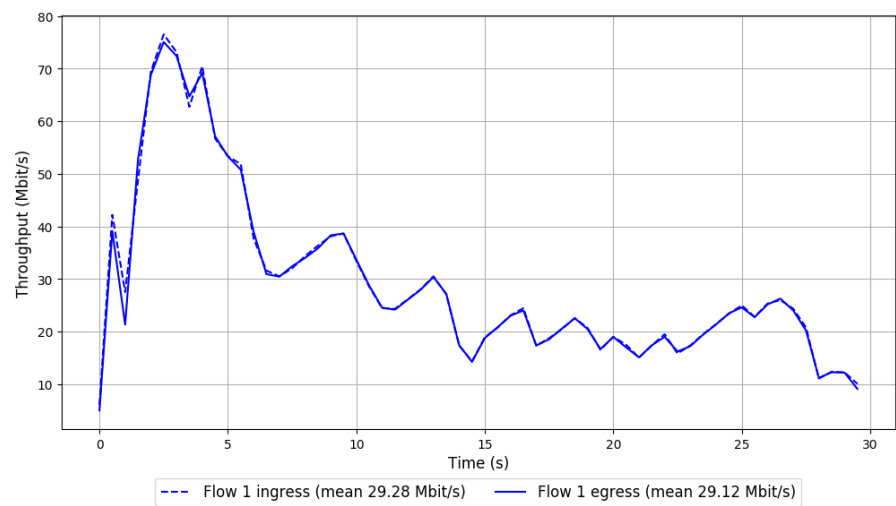


Run 10: Statistics of QUIC Cubic

Start at: 2018-01-02 00:44:39
End at: 2018-01-02 00:45:09
Local clock offset: -23.45 ms
Remote clock offset: -0.613 ms

Below is generated by plot.py at 2018-01-02 04:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 29.12 Mbit/s
95th percentile per-packet one-way delay: 30.550 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 29.12 Mbit/s
95th percentile per-packet one-way delay: 30.550 ms
Loss rate: 0.72%

Run 10: Report of QUIC Cubic — Data Link

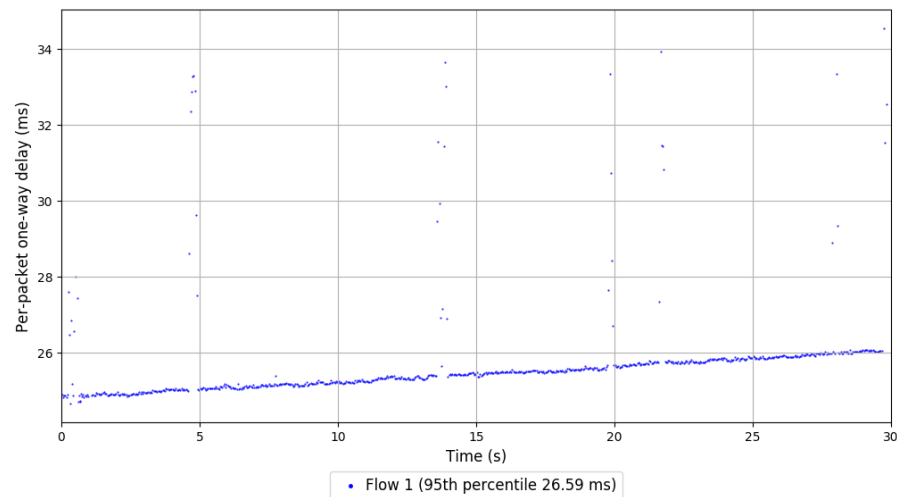
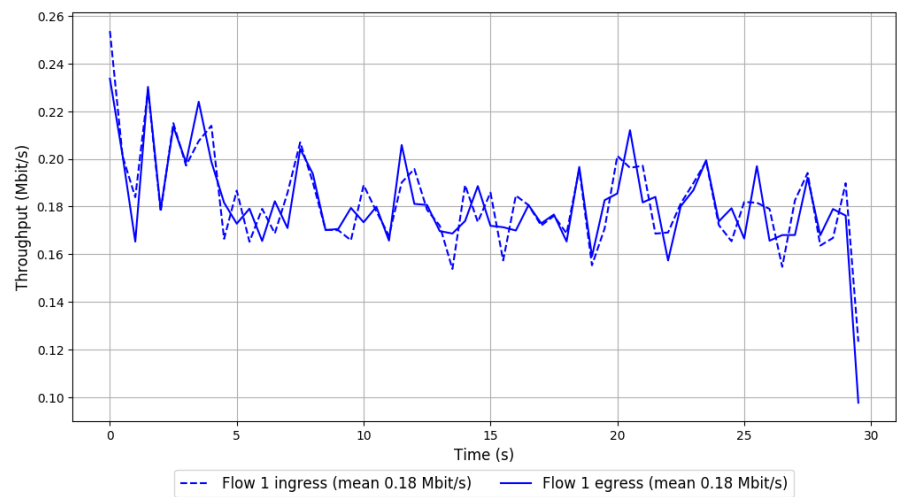


Run 1: Statistics of SCReAM

Start at: 2018-01-01 21:43:23
End at: 2018-01-01 21:43:53
Local clock offset: -18.936 ms
Remote clock offset: -1.323 ms

Below is generated by plot.py at 2018-01-02 04:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 26.586 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 26.586 ms
Loss rate: 0.54%

Run 1: Report of SReAM — Data Link

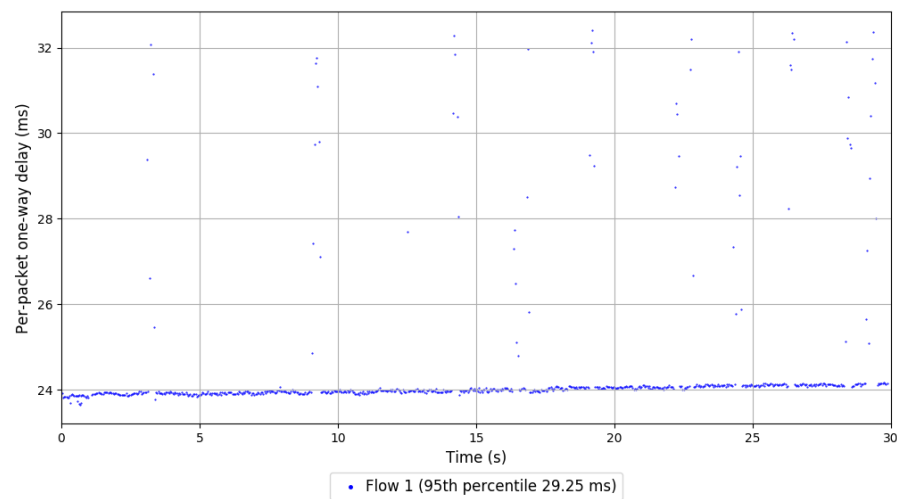
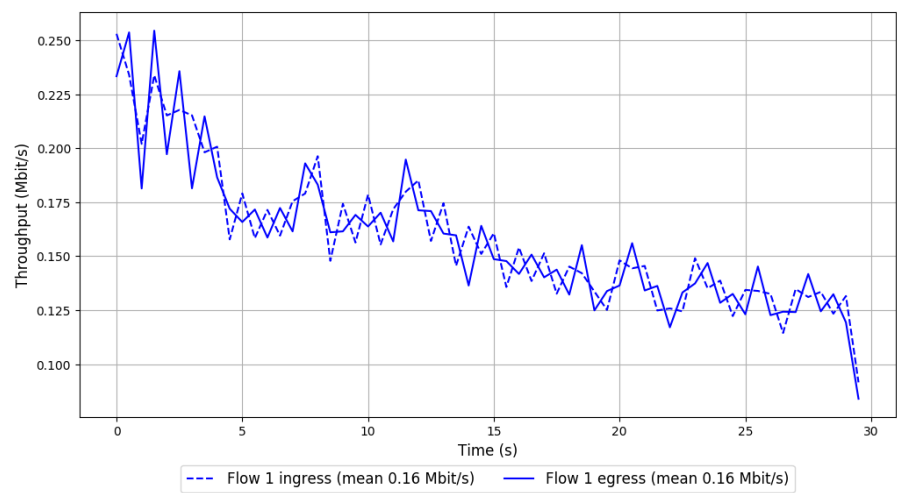


Run 2: Statistics of SCReAM

Start at: 2018-01-01 22:03:43
End at: 2018-01-01 22:04:13
Local clock offset: -0.329 ms
Remote clock offset: -1.531 ms

Below is generated by plot.py at 2018-01-02 04:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 29.248 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 29.248 ms
Loss rate: 0.54%

Run 2: Report of SReAM — Data Link

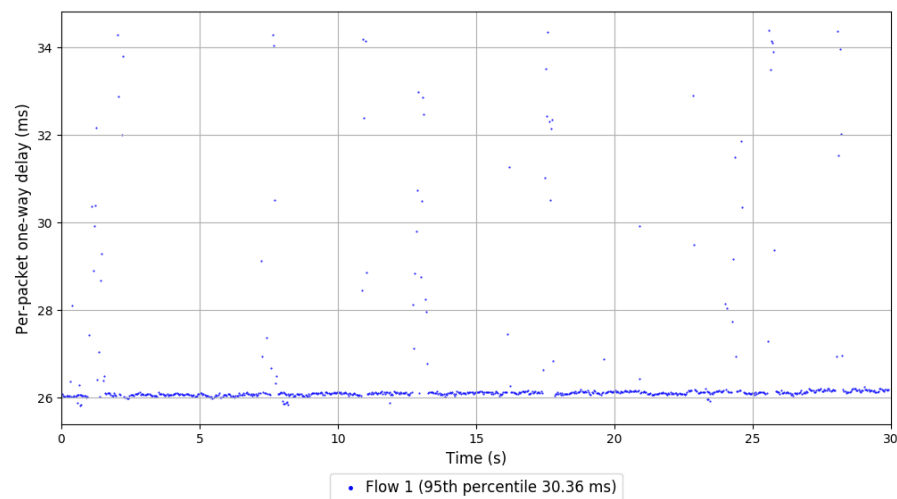
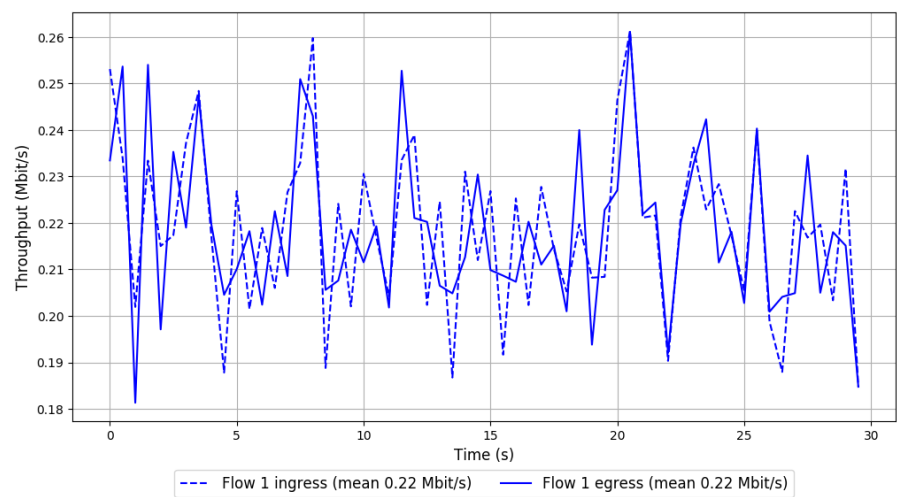


Run 3: Statistics of SCReAM

Start at: 2018-01-01 22:24:00
End at: 2018-01-01 22:24:30
Local clock offset: -12.341 ms
Remote clock offset: -4.422 ms

Below is generated by plot.py at 2018-01-02 04:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.359 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.359 ms
Loss rate: 0.13%

Run 3: Report of SReAM — Data Link

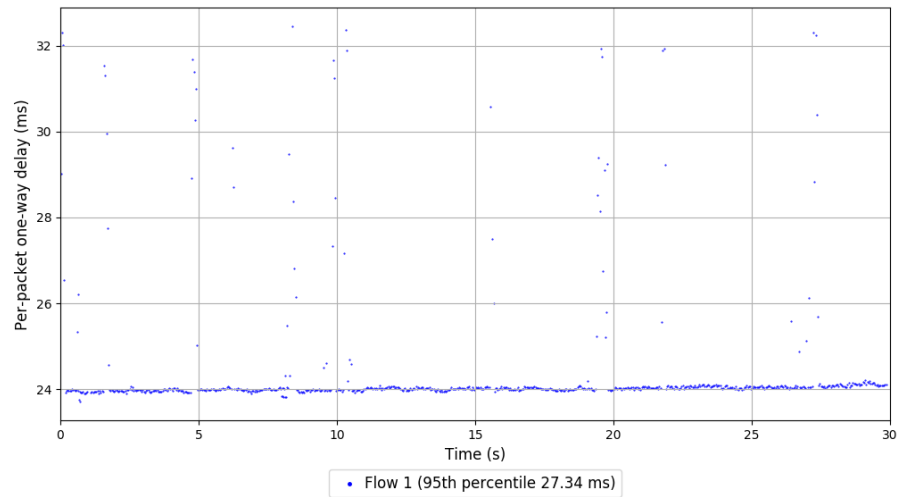
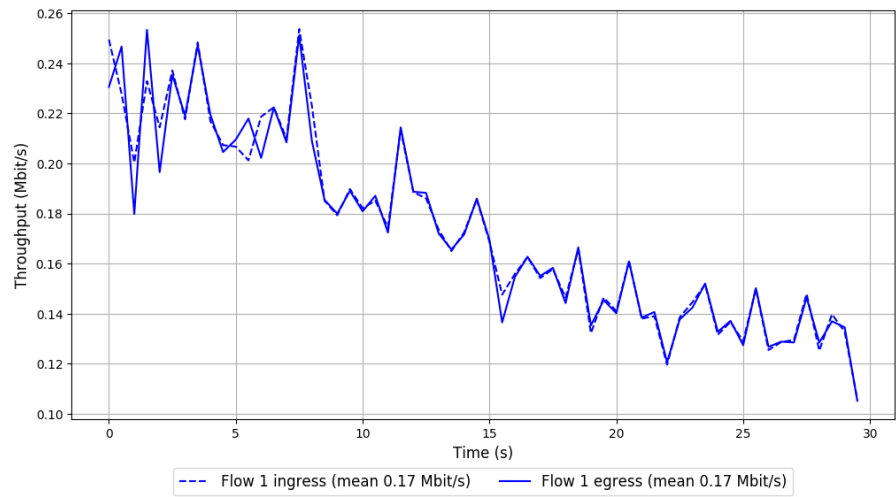


Run 4: Statistics of SCReAM

Start at: 2018-01-01 22:44:32
End at: 2018-01-01 22:45:02
Local clock offset: -15.329 ms
Remote clock offset: -2.271 ms

Below is generated by plot.py at 2018-01-02 04:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 27.336 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 27.336 ms
Loss rate: 0.41%

Run 4: Report of SReAM — Data Link

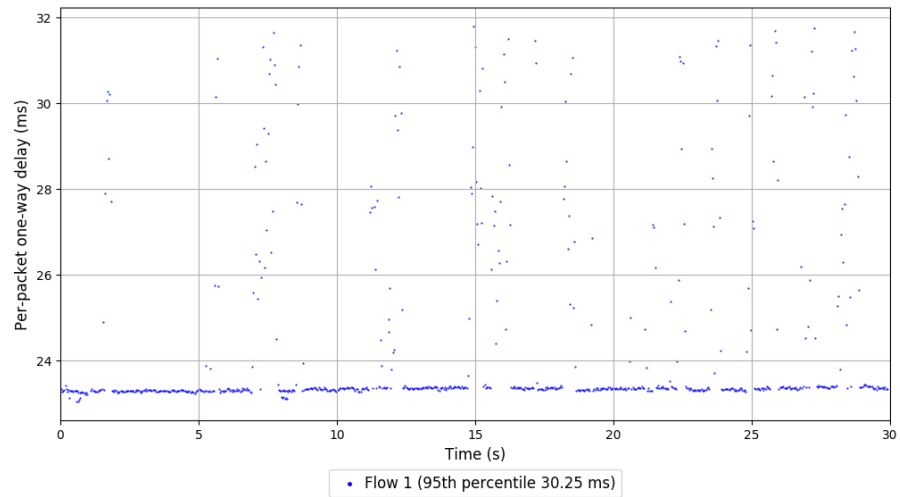
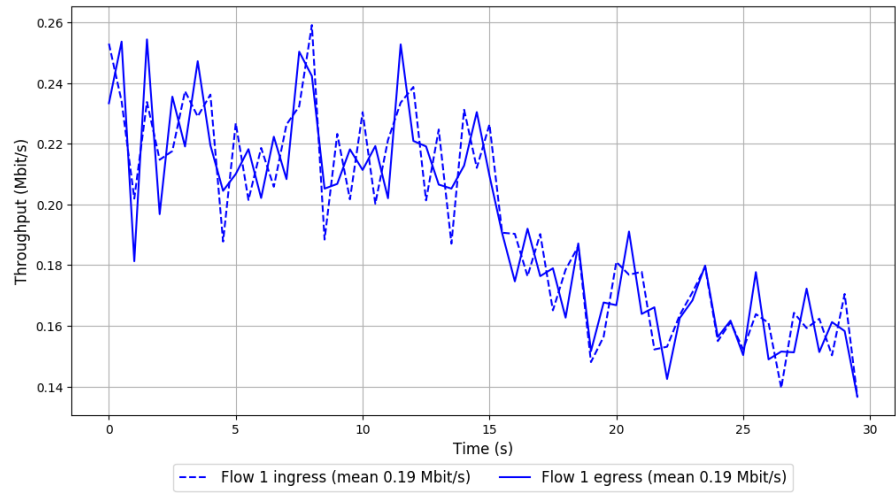


Run 5: Statistics of SCReAM

Start at: 2018-01-01 23:04:49
End at: 2018-01-01 23:05:19
Local clock offset: -19.806 ms
Remote clock offset: -0.859 ms

Below is generated by plot.py at 2018-01-02 04:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 30.248 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 30.248 ms
Loss rate: 0.25%

Run 5: Report of SCRaM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-01-01 23:25:23

End at: 2018-01-01 23:25:53

Local clock offset: -24.0 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-01-02 04:41:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 27.493 ms

Loss rate: 0.13%

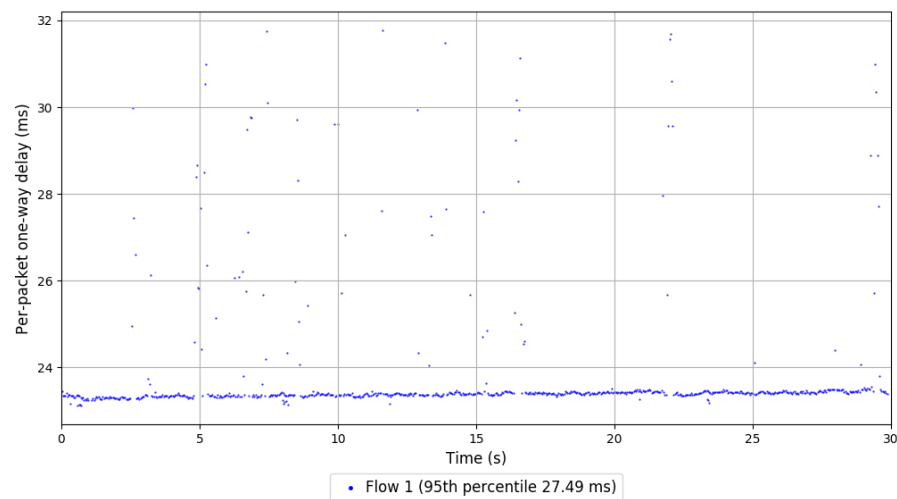
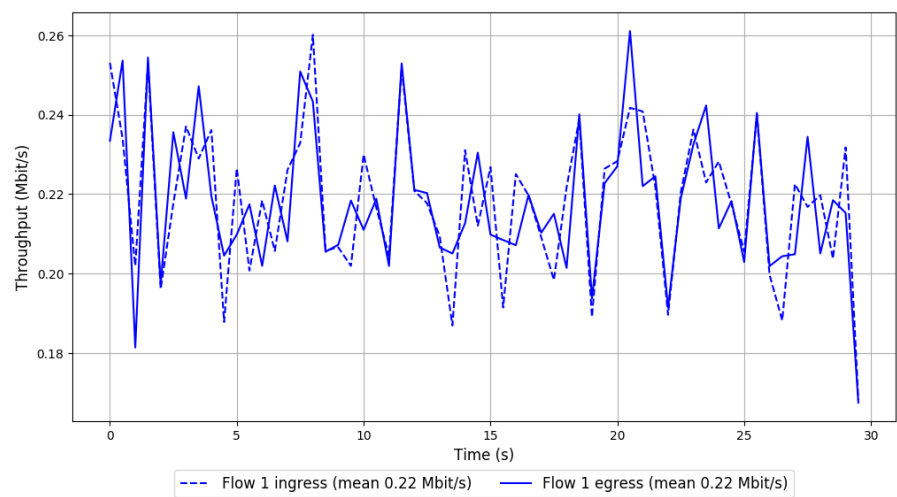
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 27.493 ms

Loss rate: 0.13%

Run 6: Report of SReAM — Data Link

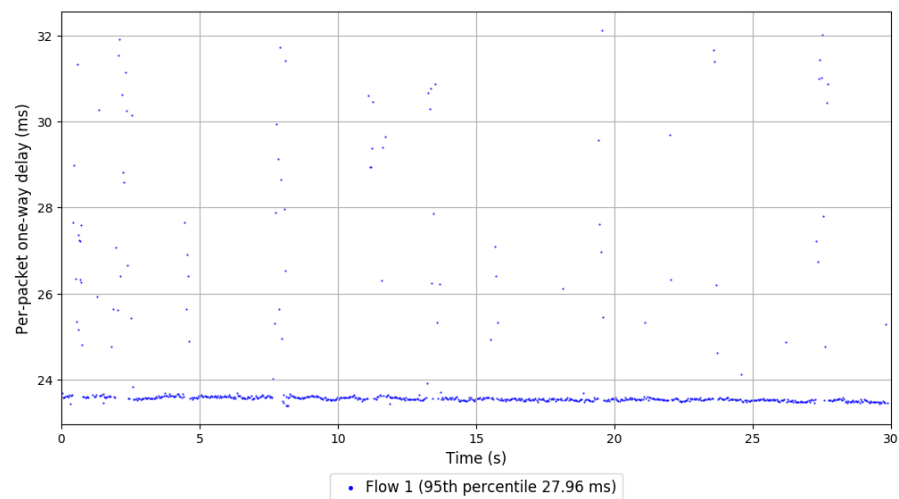
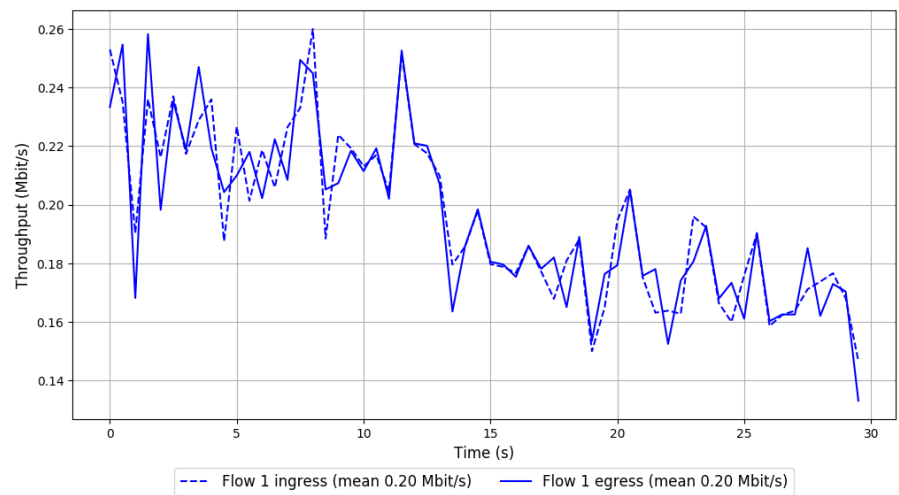


Run 7: Statistics of SCReAM

Start at: 2018-01-01 23:45:51
End at: 2018-01-01 23:46:21
Local clock offset: -26.841 ms
Remote clock offset: -0.73 ms

Below is generated by plot.py at 2018-01-02 04:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 27.960 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 27.960 ms
Loss rate: 0.38%

Run 7: Report of SReAM — Data Link

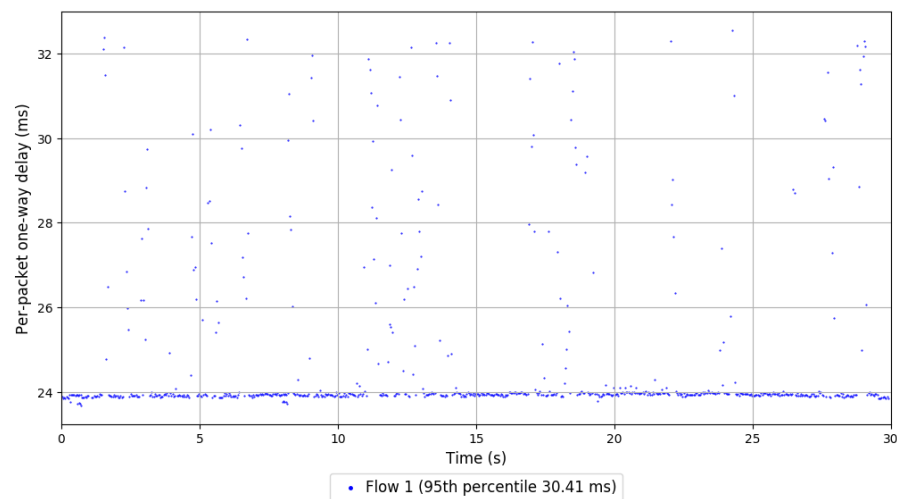
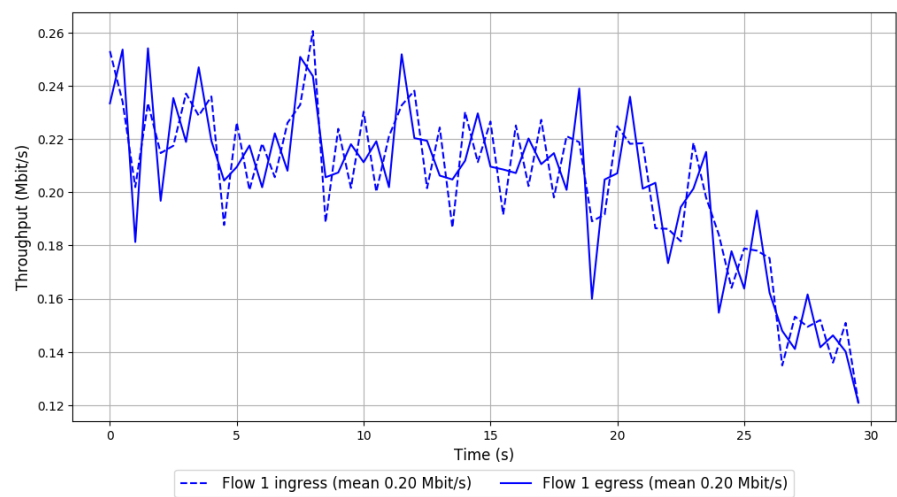


Run 8: Statistics of SCReAM

Start at: 2018-01-02 00:06:11
End at: 2018-01-02 00:06:41
Local clock offset: -28.751 ms
Remote clock offset: -1.569 ms

Below is generated by plot.py at 2018-01-02 04:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 30.414 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 30.414 ms
Loss rate: 0.35%

Run 8: Report of SReAM — Data Link

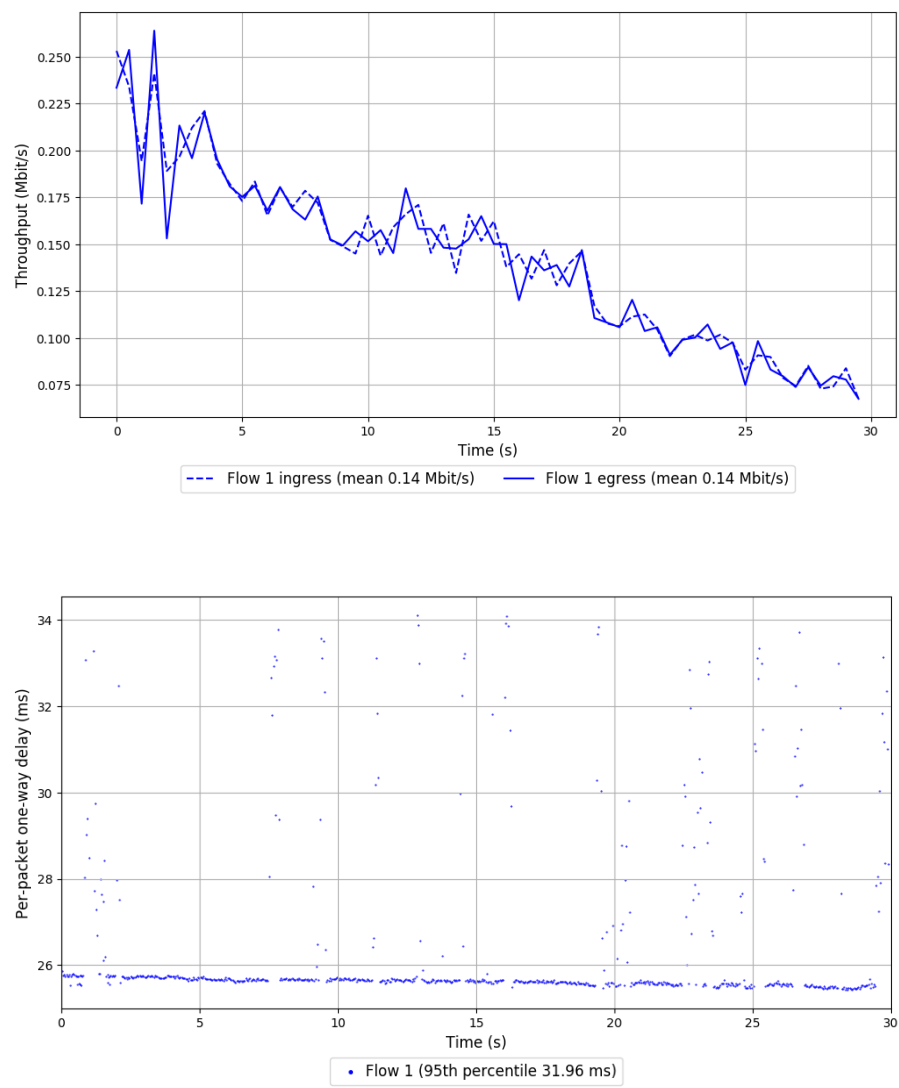


Run 9: Statistics of SCReAM

Start at: 2018-01-02 00:26:46
End at: 2018-01-02 00:27:16
Local clock offset: -33.279 ms
Remote clock offset: -3.933 ms

Below is generated by plot.py at 2018-01-02 04:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 31.959 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 31.959 ms
Loss rate: 0.81%

Run 9: Report of SReAM — Data Link

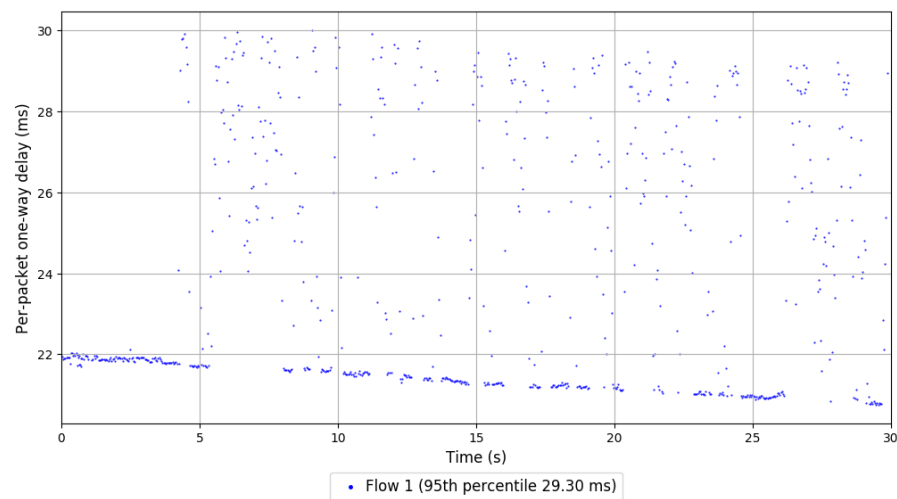
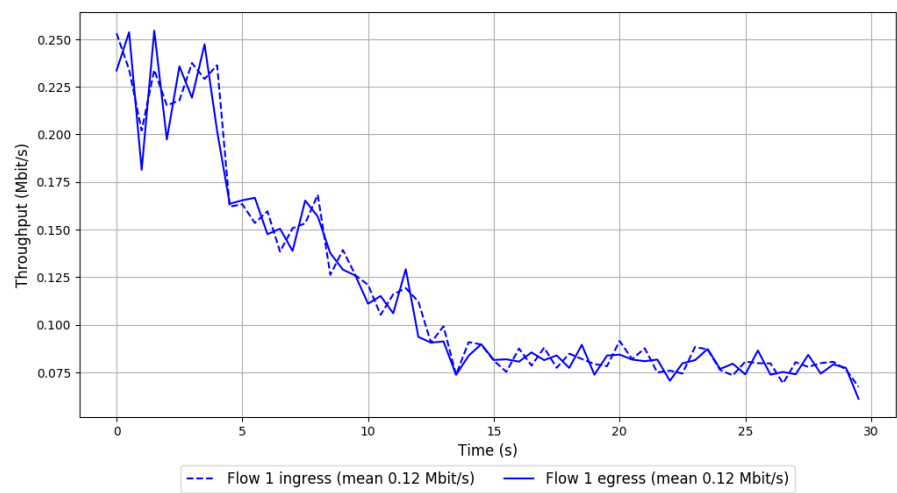


Run 10: Statistics of SReAM

Start at: 2018-01-02 00:47:23
End at: 2018-01-02 00:47:53
Local clock offset: -18.031 ms
Remote clock offset: -0.536 ms

Below is generated by plot.py at 2018-01-02 04:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 29.300 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 29.300 ms
Loss rate: 1.05%

Run 10: Report of SReAM — Data Link

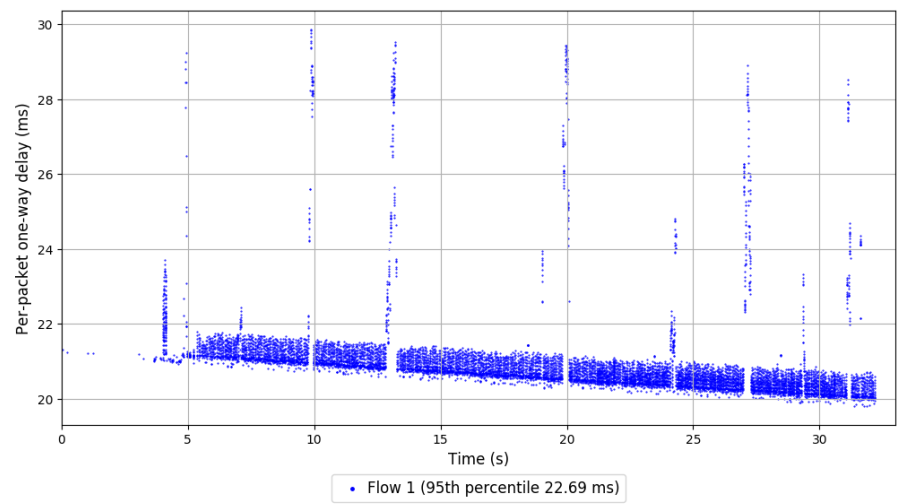
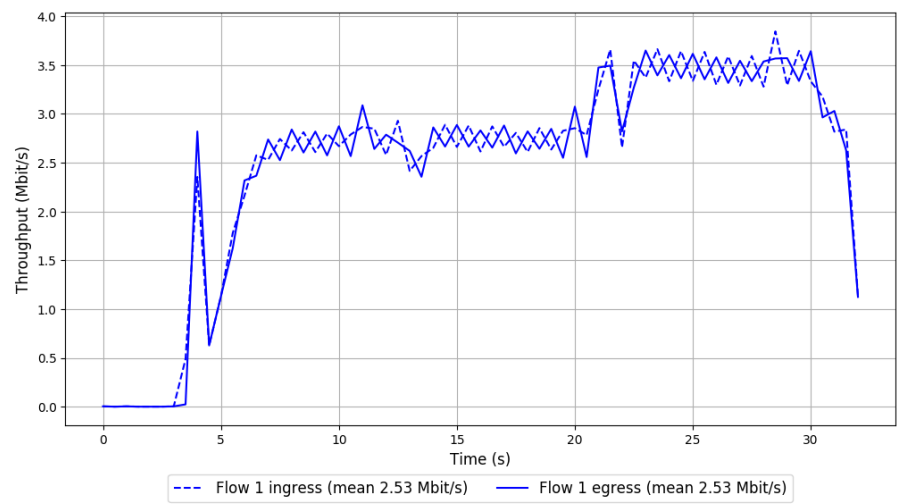


Run 1: Statistics of WebRTC media

Start at: 2018-01-01 21:52:59
End at: 2018-01-01 21:53:29
Local clock offset: -13.981 ms
Remote clock offset: -0.908 ms

Below is generated by plot.py at 2018-01-02 04:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.53 Mbit/s
95th percentile per-packet one-way delay: 22.690 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 2.53 Mbit/s
95th percentile per-packet one-way delay: 22.690 ms
Loss rate: 0.21%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-01-01 22:13:20

End at: 2018-01-01 22:13:50

Local clock offset: -6.992 ms

Remote clock offset: -4.01 ms

Below is generated by plot.py at 2018-01-02 04:41:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.73 Mbit/s

95th percentile per-packet one-way delay: 29.719 ms

Loss rate: 0.45%

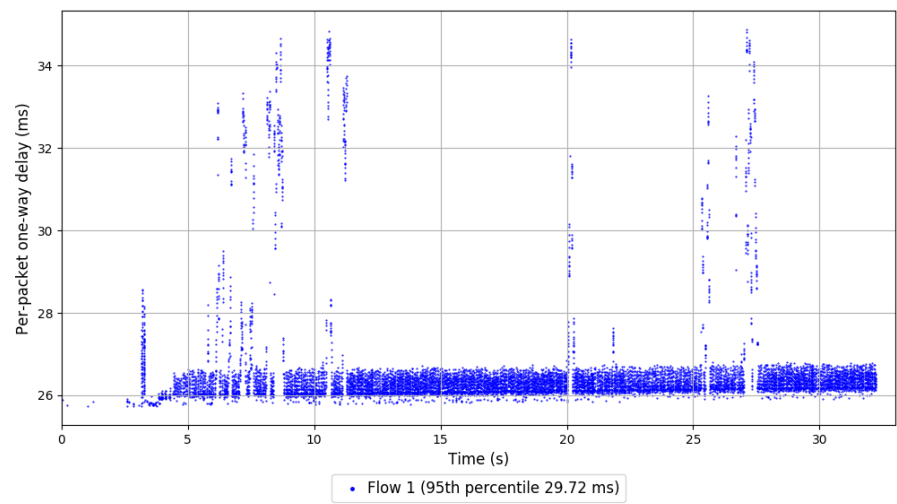
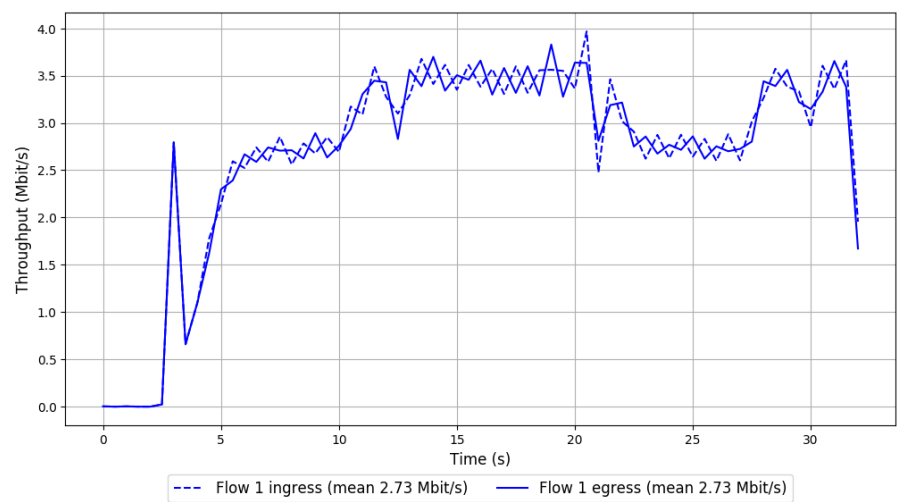
-- Flow 1:

Average throughput: 2.73 Mbit/s

95th percentile per-packet one-way delay: 29.719 ms

Loss rate: 0.45%

Run 2: Report of WebRTC media — Data Link

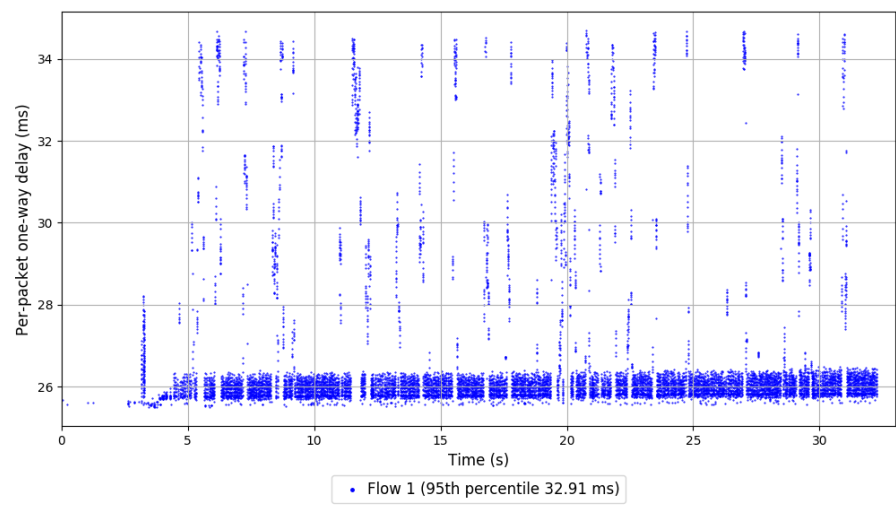
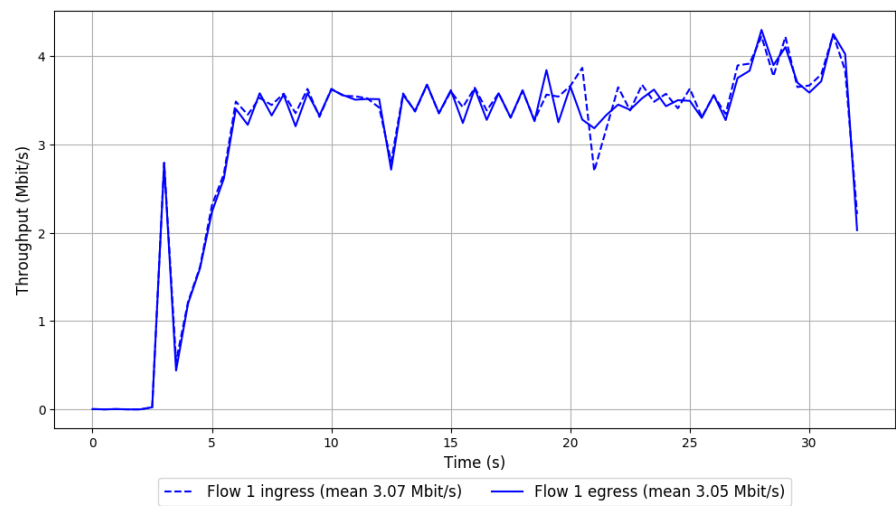


Run 3: Statistics of WebRTC media

Start at: 2018-01-01 22:33:36
End at: 2018-01-01 22:34:06
Local clock offset: -12.392 ms
Remote clock offset: -4.457 ms

Below is generated by plot.py at 2018-01-02 04:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.05 Mbit/s
95th percentile per-packet one-way delay: 32.906 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 3.05 Mbit/s
95th percentile per-packet one-way delay: 32.906 ms
Loss rate: 0.87%

Run 3: Report of WebRTC media — Data Link

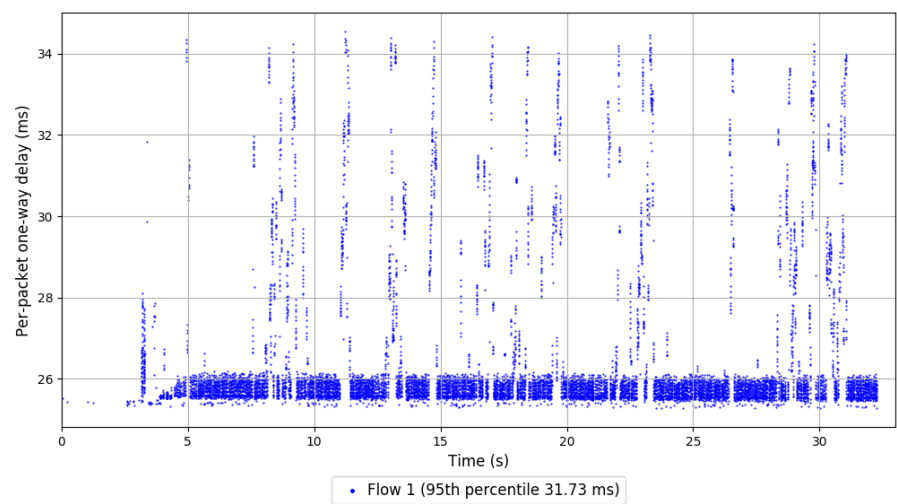
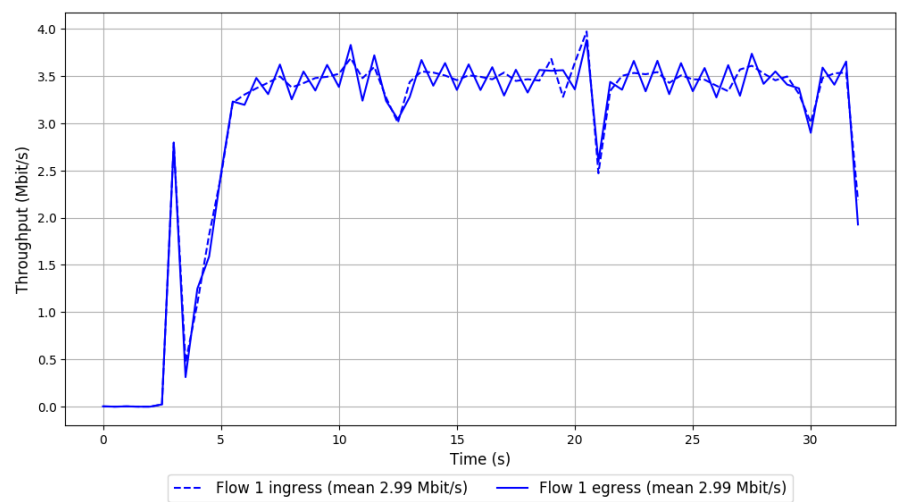


Run 4: Statistics of WebRTC media

Start at: 2018-01-01 22:54:14
End at: 2018-01-01 22:54:44
Local clock offset: -18.986 ms
Remote clock offset: -3.841 ms

Below is generated by plot.py at 2018-01-02 04:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.99 Mbit/s
95th percentile per-packet one-way delay: 31.726 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 2.99 Mbit/s
95th percentile per-packet one-way delay: 31.726 ms
Loss rate: 0.46%

Run 4: Report of WebRTC media — Data Link

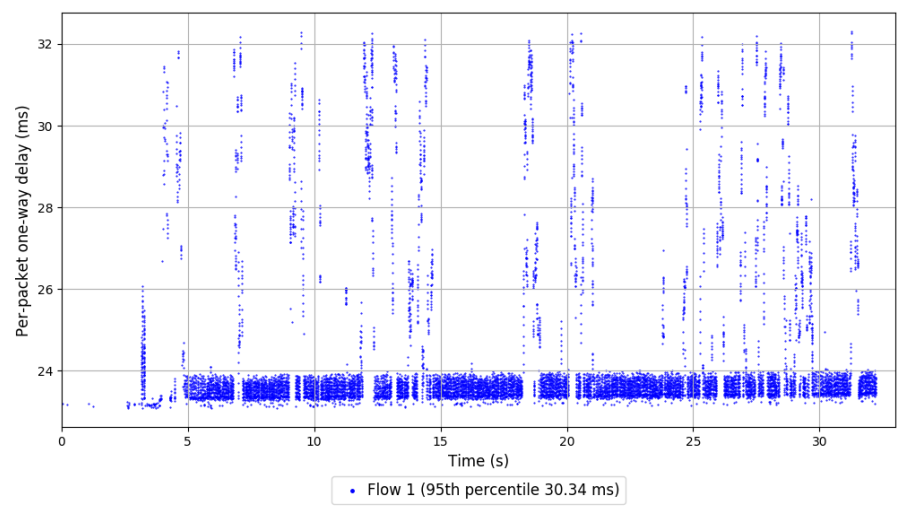
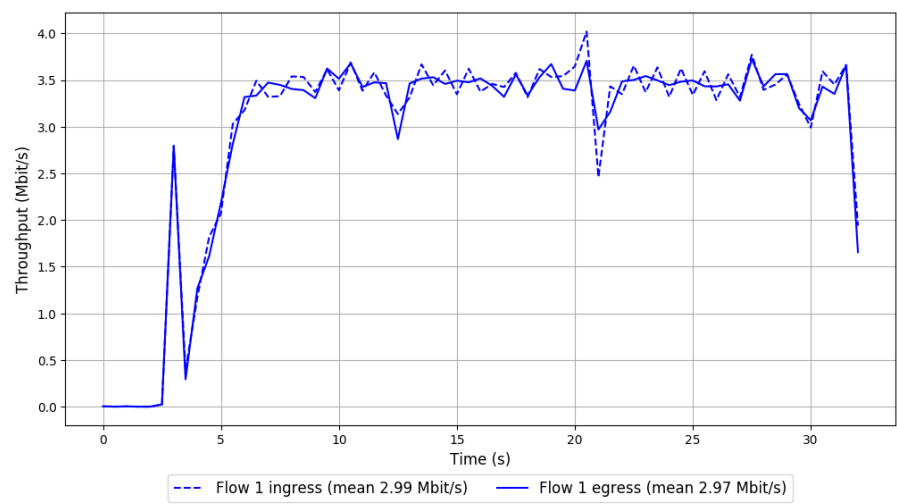


Run 5: Statistics of WebRTC media

Start at: 2018-01-01 23:14:33
End at: 2018-01-01 23:15:03
Local clock offset: -21.688 ms
Remote clock offset: -0.618 ms

Below is generated by plot.py at 2018-01-02 04:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.97 Mbit/s
95th percentile per-packet one-way delay: 30.342 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 2.97 Mbit/s
95th percentile per-packet one-way delay: 30.342 ms
Loss rate: 0.70%

Run 5: Report of WebRTC media — Data Link

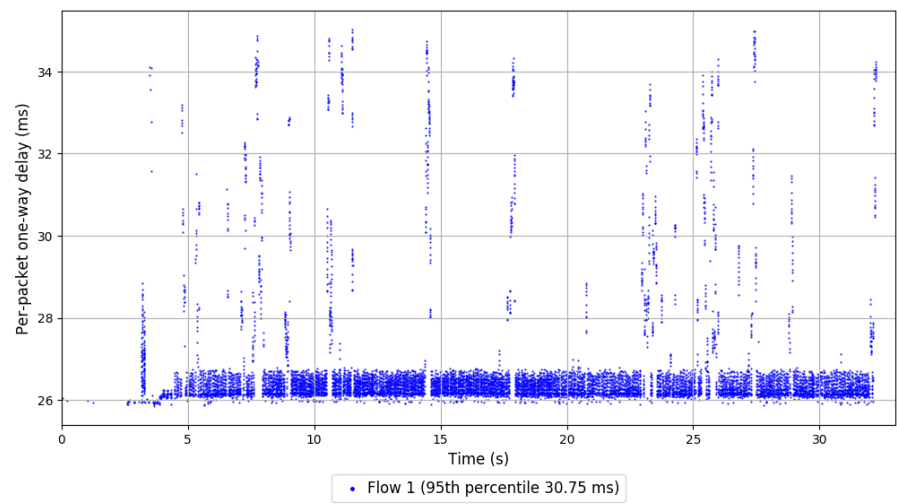
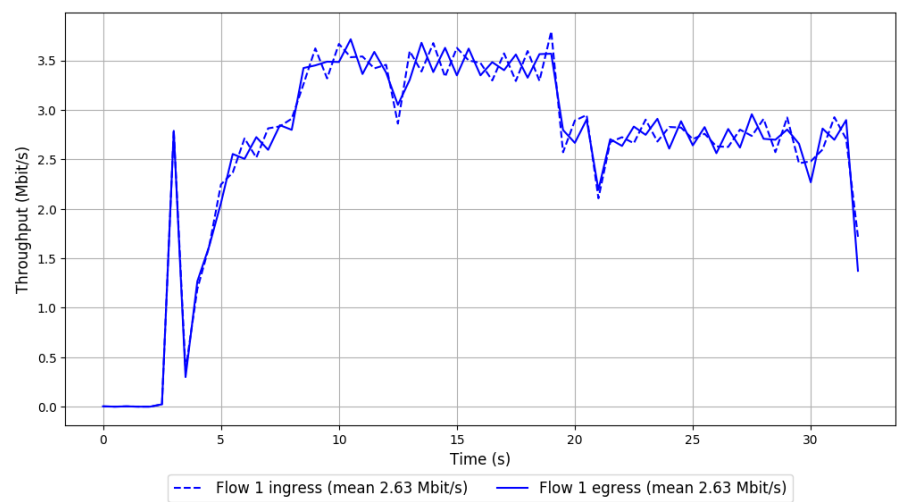


Run 6: Statistics of WebRTC media

Start at: 2018-01-01 23:35:04
End at: 2018-01-01 23:35:34
Local clock offset: -27.22 ms
Remote clock offset: -2.744 ms

Below is generated by plot.py at 2018-01-02 04:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.63 Mbit/s
95th percentile per-packet one-way delay: 30.749 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 2.63 Mbit/s
95th percentile per-packet one-way delay: 30.749 ms
Loss rate: 0.26%

Run 6: Report of WebRTC media — Data Link

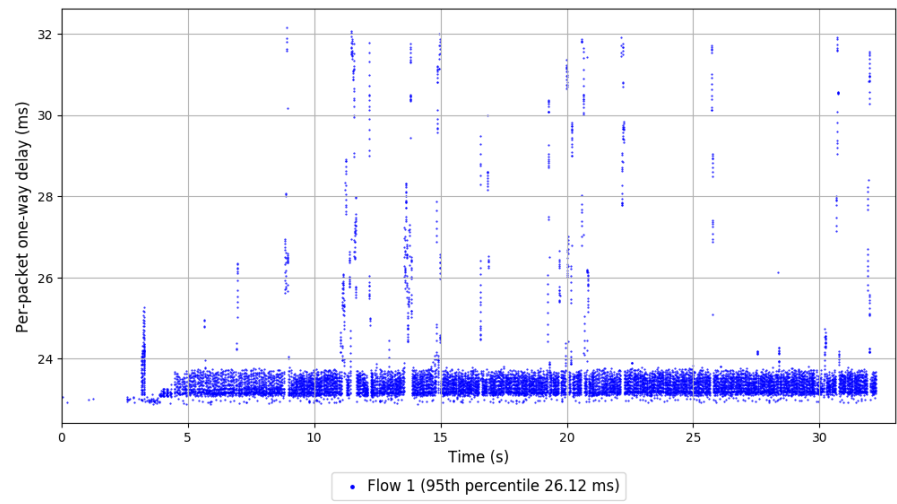
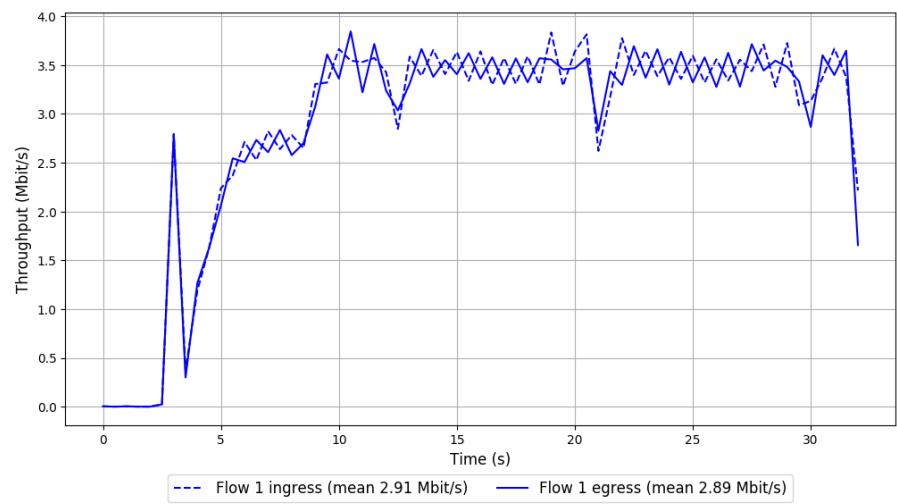


Run 7: Statistics of WebRTC media

Start at: 2018-01-01 23:55:40
End at: 2018-01-01 23:56:10
Local clock offset: -27.028 ms
Remote clock offset: -0.61 ms

Below is generated by plot.py at 2018-01-02 04:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.89 Mbit/s
95th percentile per-packet one-way delay: 26.119 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 2.89 Mbit/s
95th percentile per-packet one-way delay: 26.119 ms
Loss rate: 0.65%

Run 7: Report of WebRTC media — Data Link

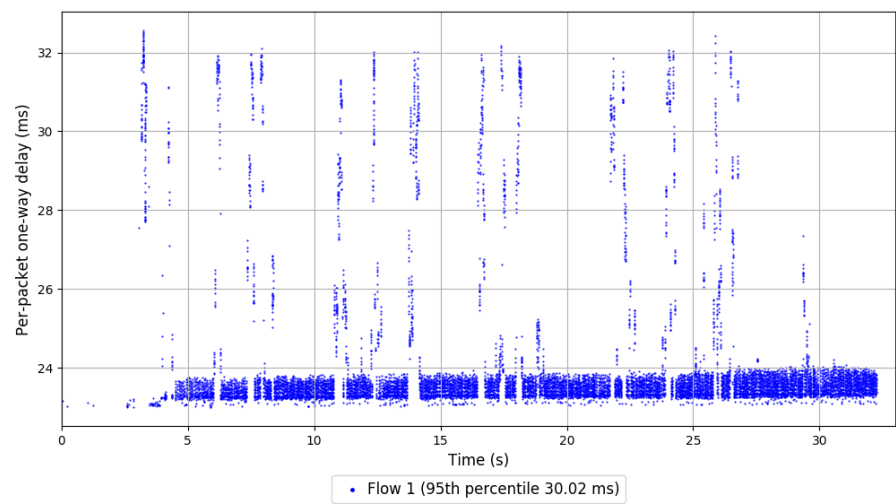
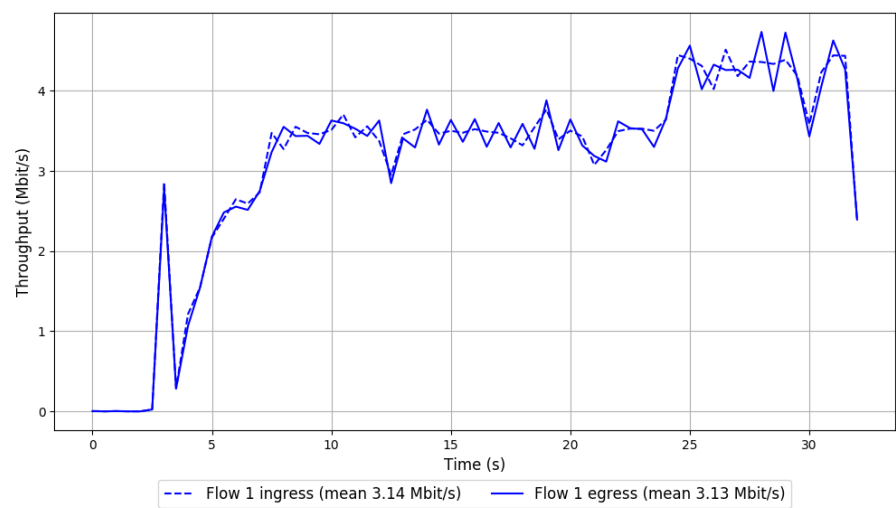


Run 8: Statistics of WebRTC media

Start at: 2018-01-02 00:16:00
End at: 2018-01-02 00:16:30
Local clock offset: -30.9 ms
Remote clock offset: -1.389 ms

Below is generated by plot.py at 2018-01-02 04:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.13 Mbit/s
95th percentile per-packet one-way delay: 30.024 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 3.13 Mbit/s
95th percentile per-packet one-way delay: 30.024 ms
Loss rate: 0.55%

Run 8: Report of WebRTC media — Data Link

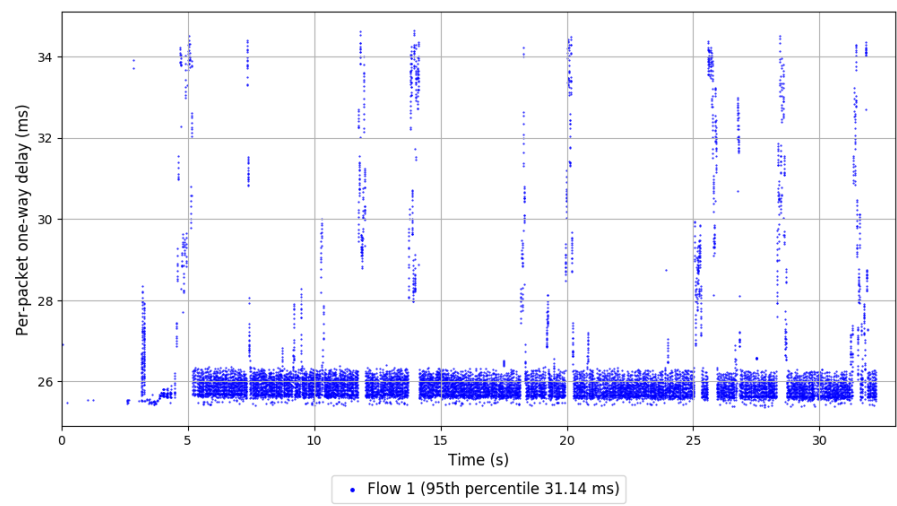
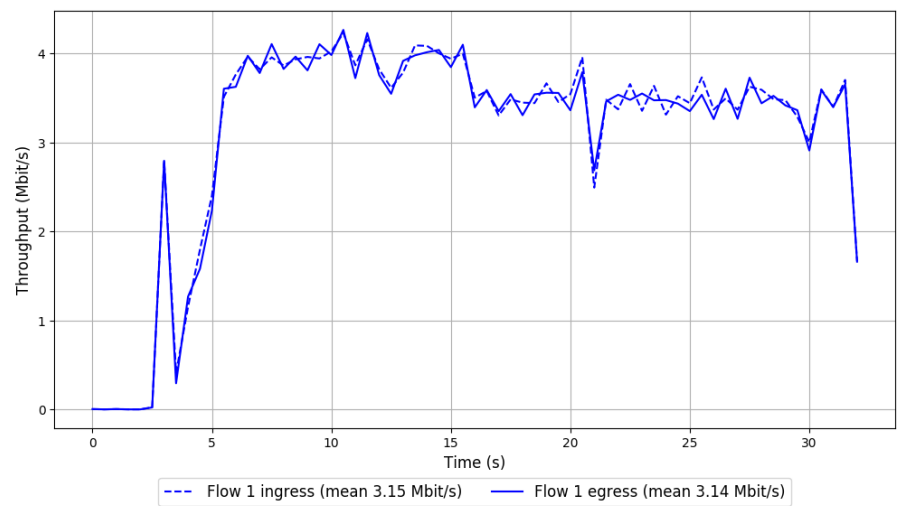


Run 9: Statistics of WebRTC media

Start at: 2018-01-02 00:36:24
End at: 2018-01-02 00:36:54
Local clock offset: -30.572 ms
Remote clock offset: -3.707 ms

Below is generated by plot.py at 2018-01-02 04:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.14 Mbit/s
95th percentile per-packet one-way delay: 31.139 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 3.14 Mbit/s
95th percentile per-packet one-way delay: 31.139 ms
Loss rate: 0.58%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

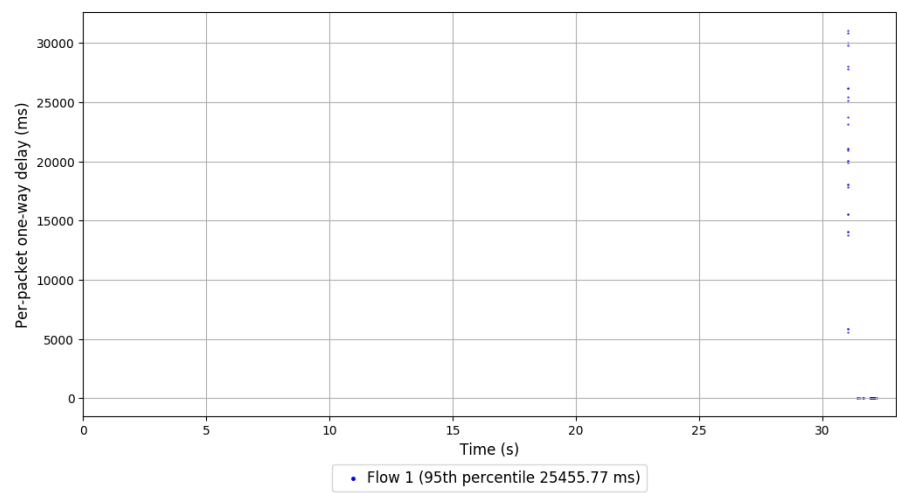
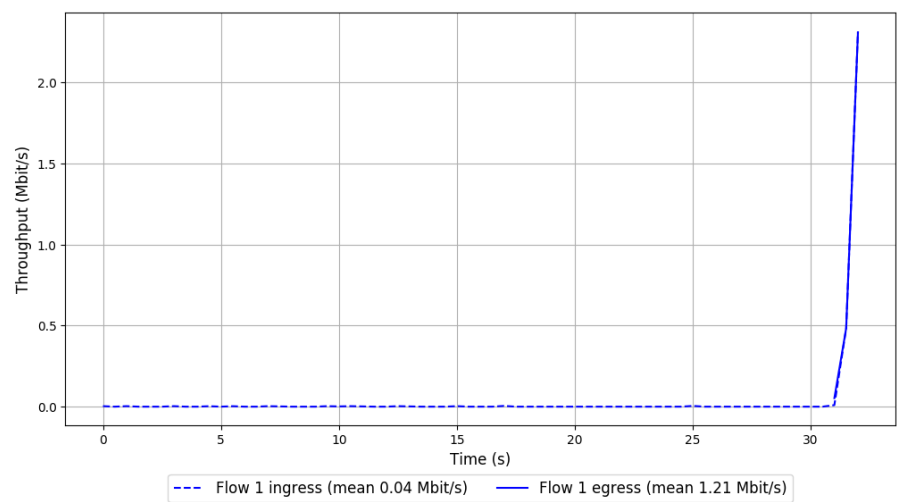
Start at: 2018-01-02 00:57:44

End at: 2018-01-02 00:58:14

Local clock offset: -4.823 ms

Remote clock offset: 0.072 ms

Run 10: Report of WebRTC media — Data Link

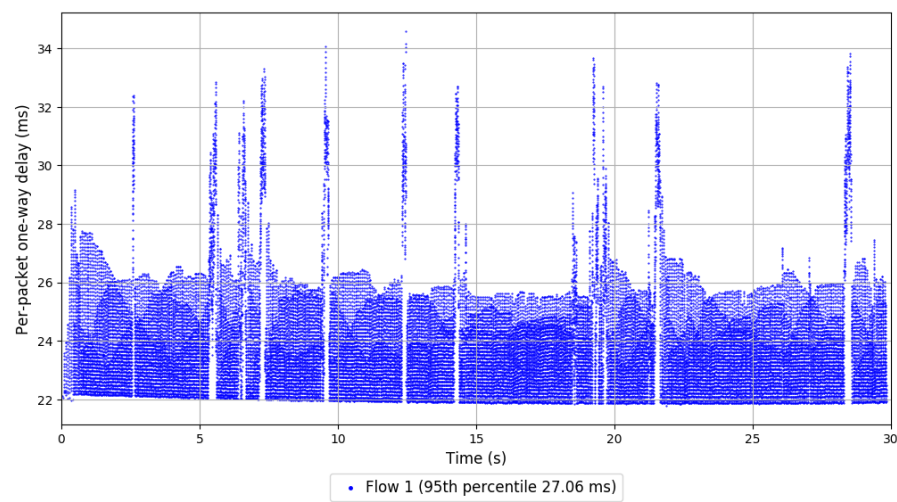
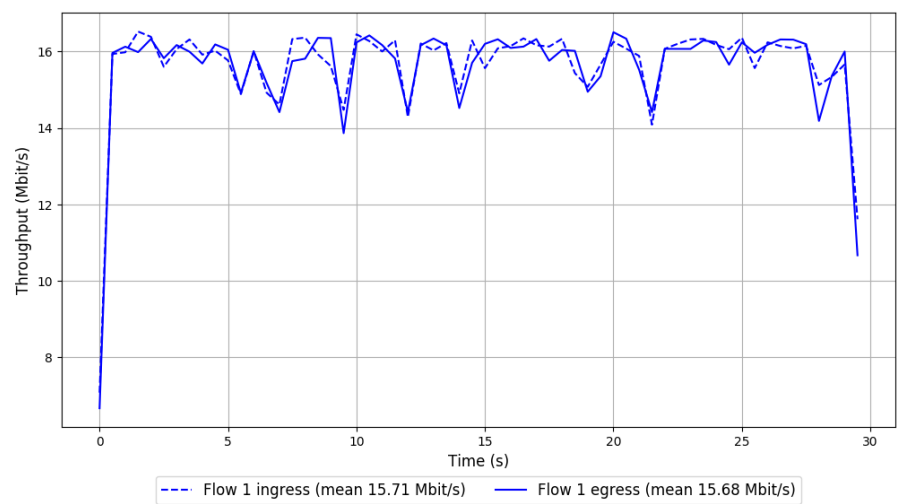


Run 1: Statistics of Sprout

Start at: 2018-01-01 21:35:30
End at: 2018-01-01 21:36:00
Local clock offset: -5.861 ms
Remote clock offset: -1.233 ms

Below is generated by plot.py at 2018-01-02 04:41:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.68 Mbit/s
95th percentile per-packet one-way delay: 27.059 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 15.68 Mbit/s
95th percentile per-packet one-way delay: 27.059 ms
Loss rate: 0.32%

Run 1: Report of Sprout — Data Link

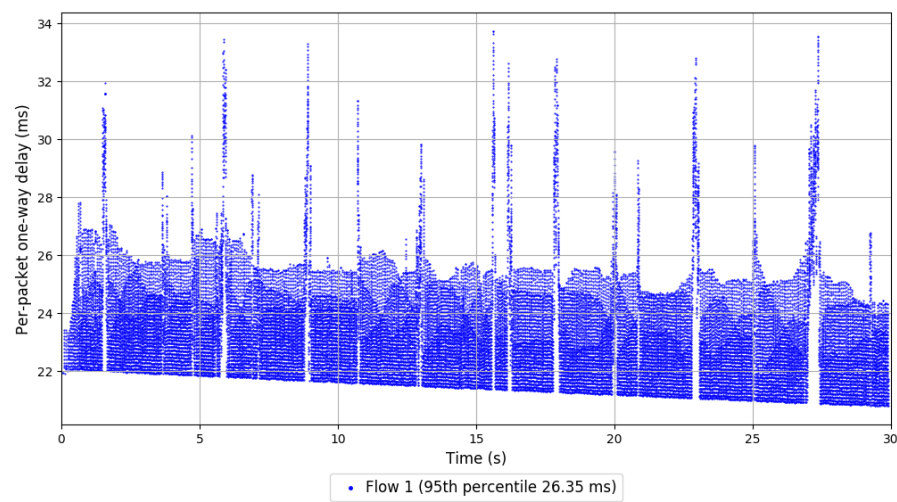
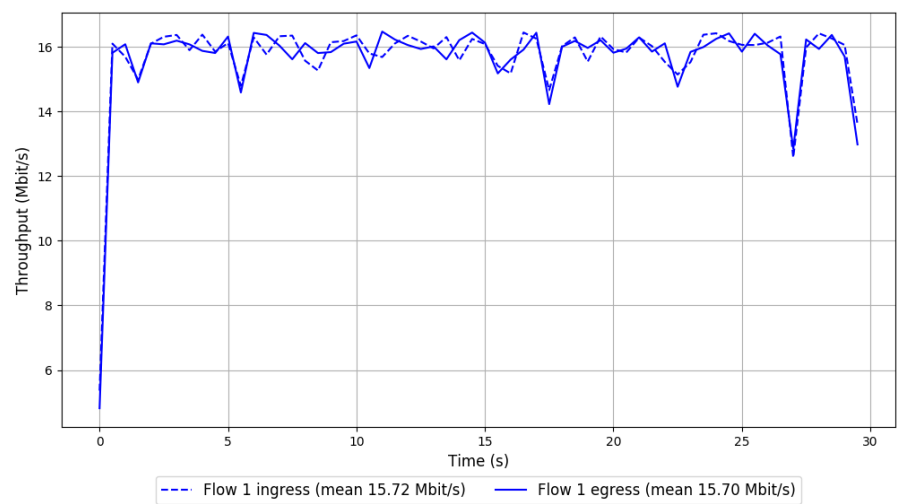


Run 2: Statistics of Sprout

Start at: 2018-01-01 21:55:33
End at: 2018-01-01 21:56:04
Local clock offset: -8.232 ms
Remote clock offset: -0.958 ms

Below is generated by plot.py at 2018-01-02 04:41:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.70 Mbit/s
95th percentile per-packet one-way delay: 26.346 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 15.70 Mbit/s
95th percentile per-packet one-way delay: 26.346 ms
Loss rate: 0.27%

Run 2: Report of Sprout — Data Link

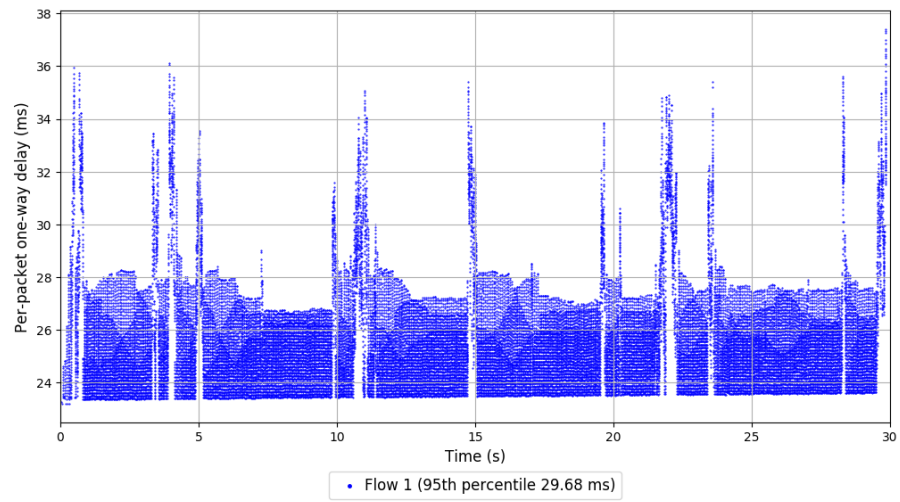
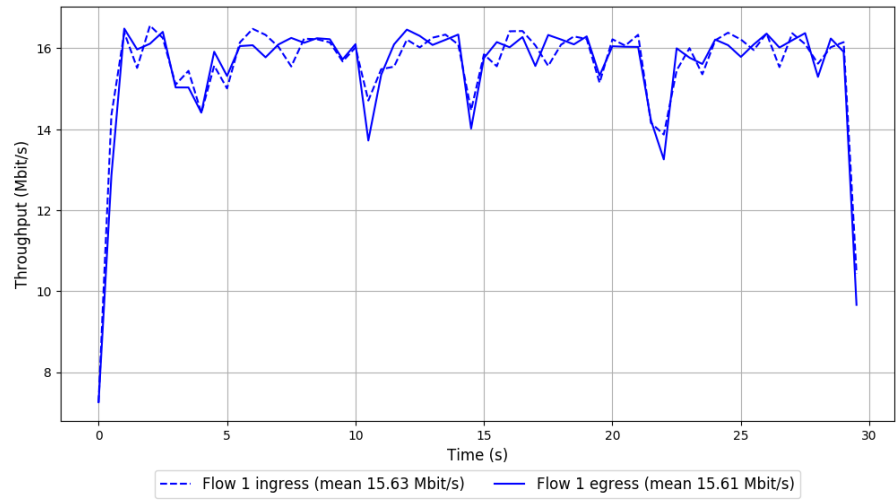


Run 3: Statistics of Sprout

Start at: 2018-01-01 22:15:54
End at: 2018-01-01 22:16:24
Local clock offset: -8.228 ms
Remote clock offset: -1.492 ms

Below is generated by plot.py at 2018-01-02 04:41:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.61 Mbit/s
95th percentile per-packet one-way delay: 29.685 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 15.61 Mbit/s
95th percentile per-packet one-way delay: 29.685 ms
Loss rate: 0.32%

Run 3: Report of Sprout — Data Link

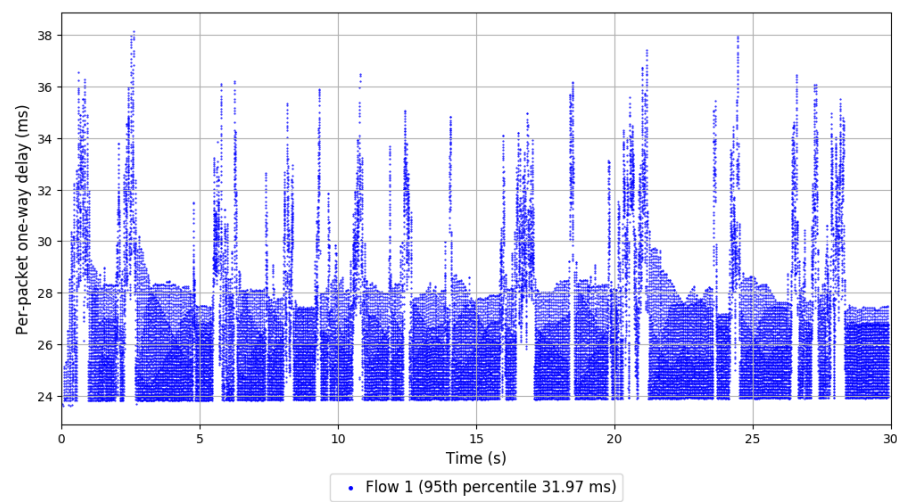
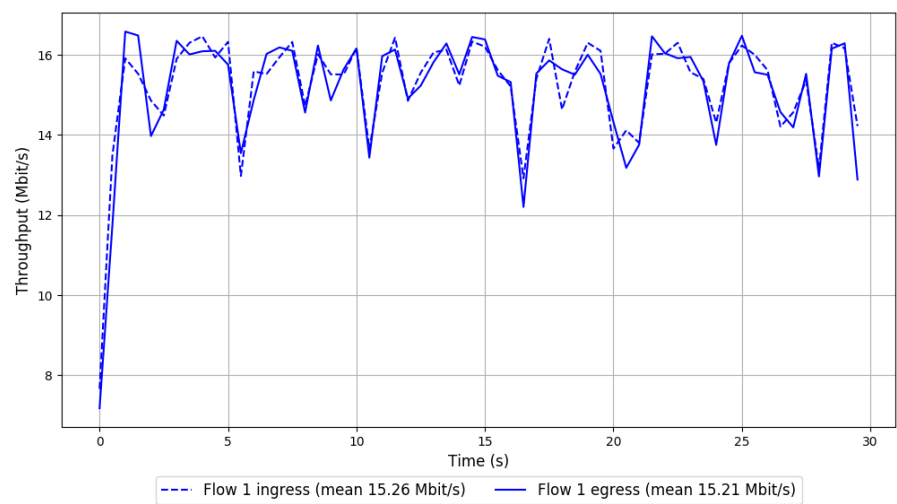


Run 4: Statistics of Sprout

Start at: 2018-01-01 22:36:11
End at: 2018-01-01 22:36:41
Local clock offset: -12.689 ms
Remote clock offset: -2.415 ms

Below is generated by plot.py at 2018-01-02 04:41:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.21 Mbit/s
95th percentile per-packet one-way delay: 31.971 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 15.21 Mbit/s
95th percentile per-packet one-way delay: 31.971 ms
Loss rate: 0.57%

Run 4: Report of Sprout — Data Link

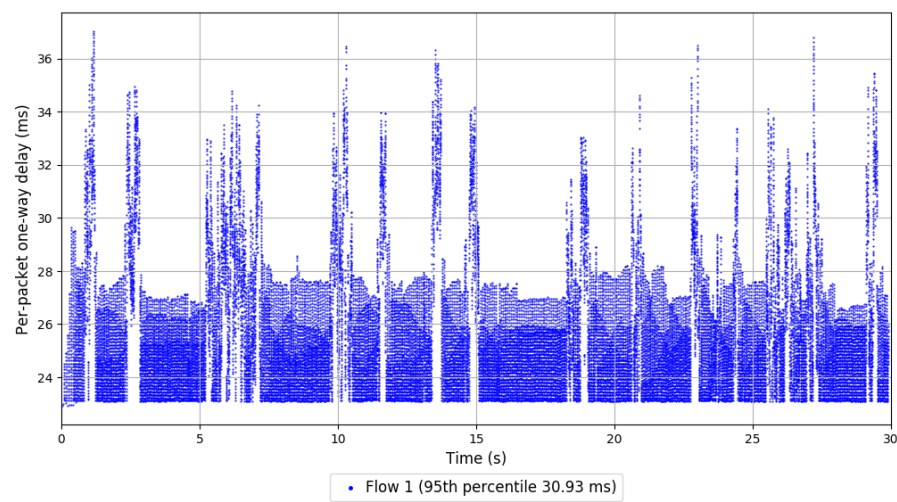
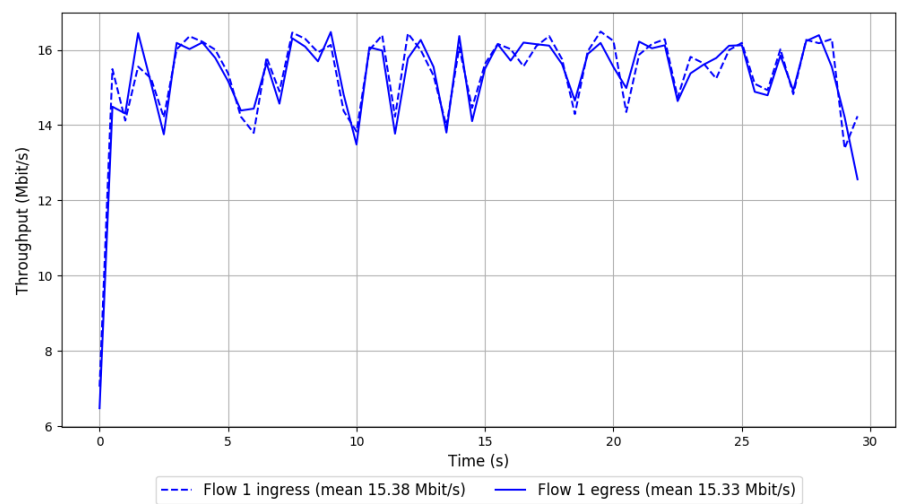


Run 5: Statistics of Sprout

Start at: 2018-01-01 22:56:46
End at: 2018-01-01 22:57:16
Local clock offset: -18.611 ms
Remote clock offset: -1.226 ms

Below is generated by plot.py at 2018-01-02 04:41:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.33 Mbit/s
95th percentile per-packet one-way delay: 30.925 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 15.33 Mbit/s
95th percentile per-packet one-way delay: 30.925 ms
Loss rate: 0.50%

Run 5: Report of Sprout — Data Link

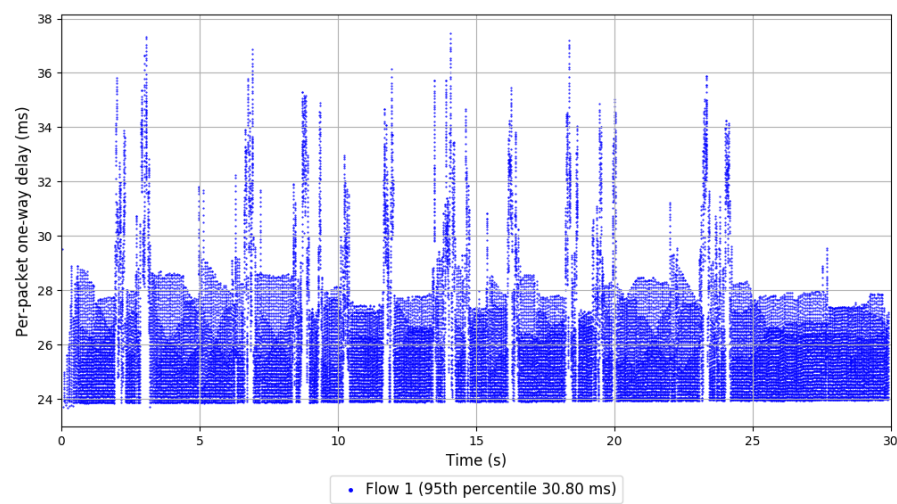
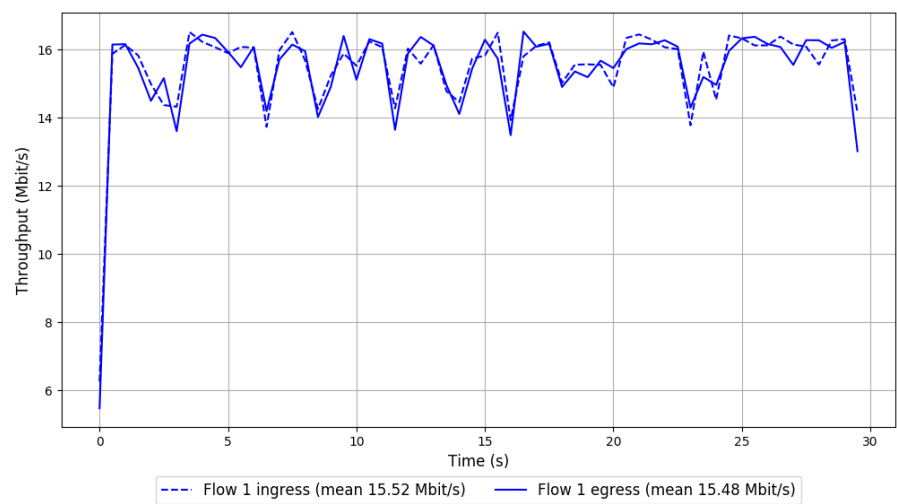


Run 6: Statistics of Sprout

Start at: 2018-01-01 23:17:06
End at: 2018-01-01 23:17:36
Local clock offset: -22.108 ms
Remote clock offset: -0.965 ms

Below is generated by plot.py at 2018-01-02 04:41:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.48 Mbit/s
95th percentile per-packet one-way delay: 30.805 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 15.48 Mbit/s
95th percentile per-packet one-way delay: 30.805 ms
Loss rate: 0.46%

Run 6: Report of Sprout — Data Link

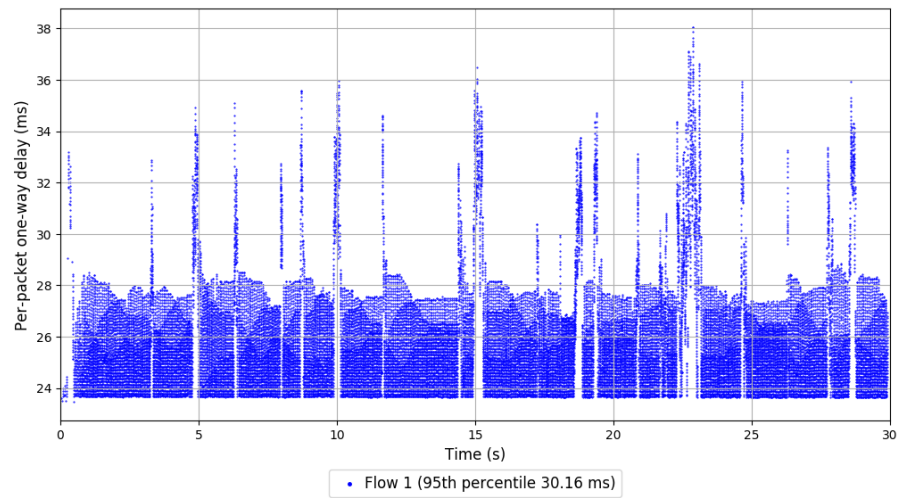
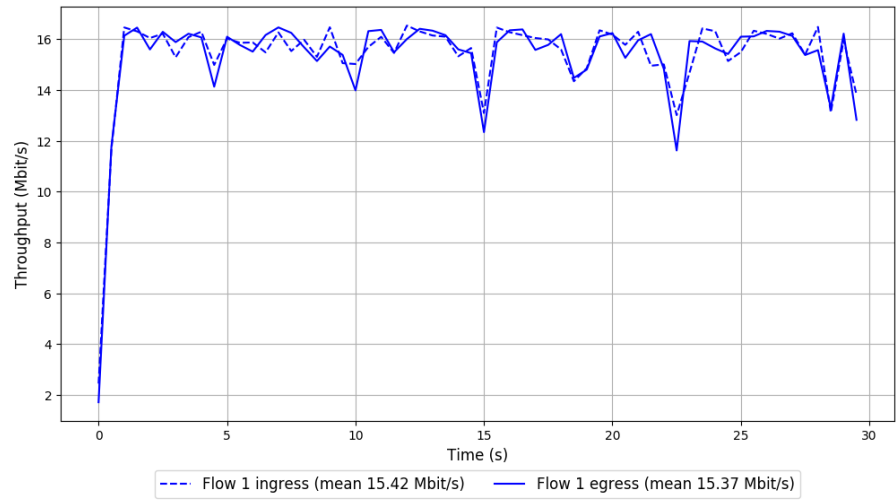


Run 7: Statistics of Sprout

Start at: 2018-01-01 23:37:40
End at: 2018-01-01 23:38:10
Local clock offset: -27.352 ms
Remote clock offset: -0.651 ms

Below is generated by plot.py at 2018-01-02 04:42:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.37 Mbit/s
95th percentile per-packet one-way delay: 30.161 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 15.37 Mbit/s
95th percentile per-packet one-way delay: 30.161 ms
Loss rate: 0.47%

Run 7: Report of Sprout — Data Link

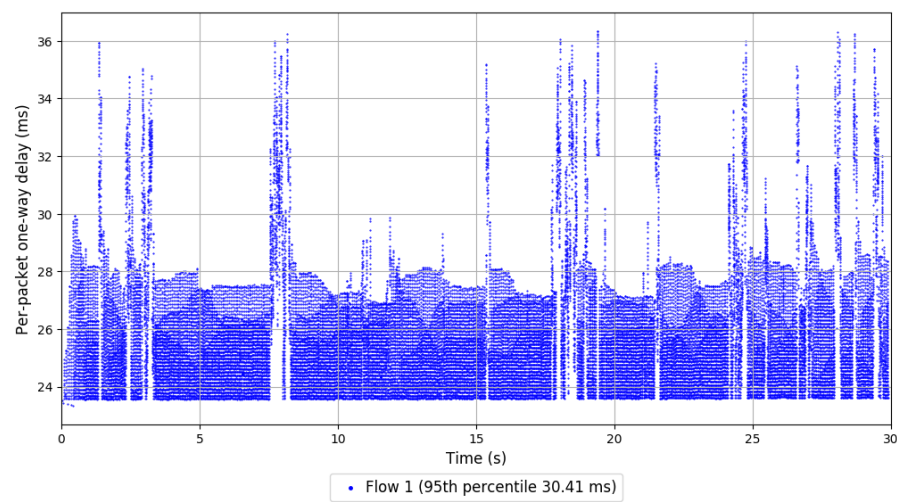
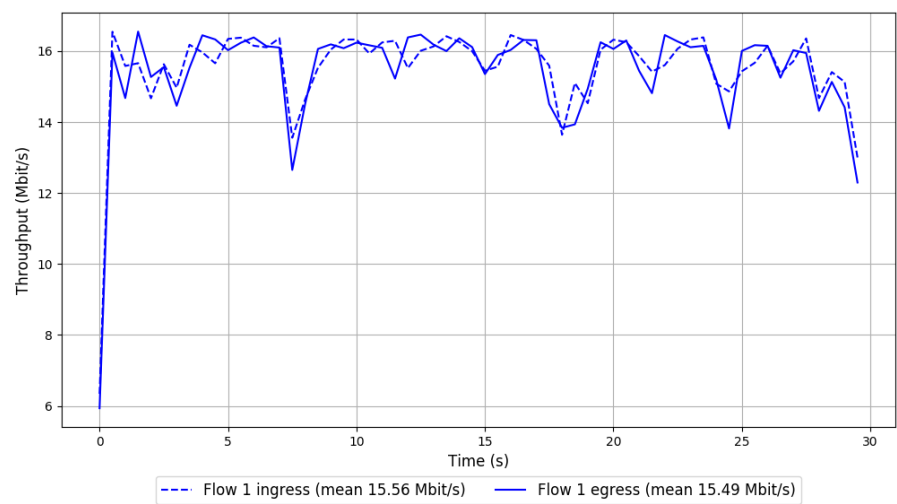


Run 8: Statistics of Sprout

Start at: 2018-01-01 23:58:13
End at: 2018-01-01 23:58:43
Local clock offset: -27.274 ms
Remote clock offset: -1.098 ms

Below is generated by plot.py at 2018-01-02 04:42:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.49 Mbit/s
95th percentile per-packet one-way delay: 30.412 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 15.49 Mbit/s
95th percentile per-packet one-way delay: 30.412 ms
Loss rate: 0.60%

Run 8: Report of Sprout — Data Link

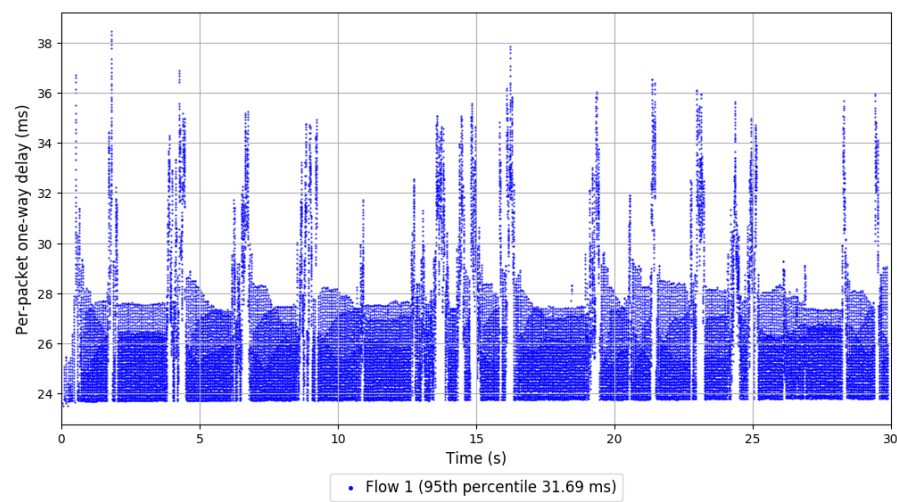
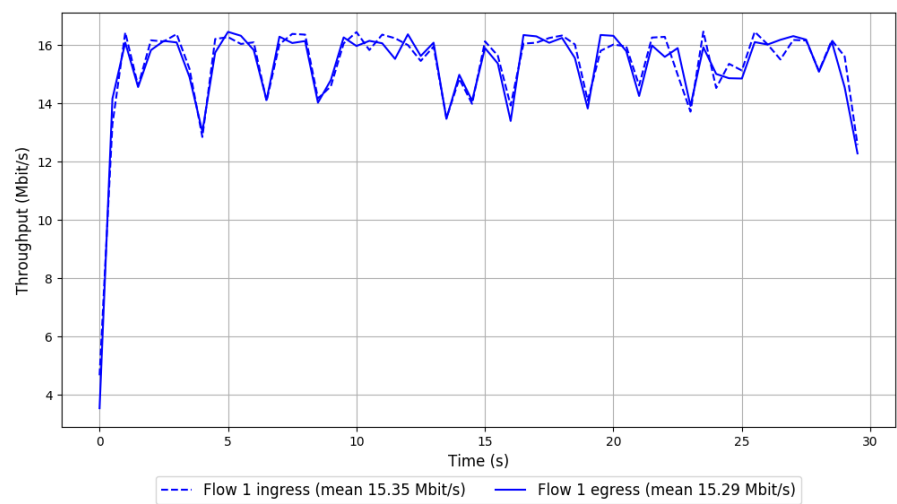


Run 9: Statistics of Sprout

Start at: 2018-01-02 00:18:35
End at: 2018-01-02 00:19:05
Local clock offset: -31.399 ms
Remote clock offset: -1.878 ms

Below is generated by plot.py at 2018-01-02 04:42:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.29 Mbit/s
95th percentile per-packet one-way delay: 31.690 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 15.29 Mbit/s
95th percentile per-packet one-way delay: 31.690 ms
Loss rate: 0.51%

Run 9: Report of Sprout — Data Link

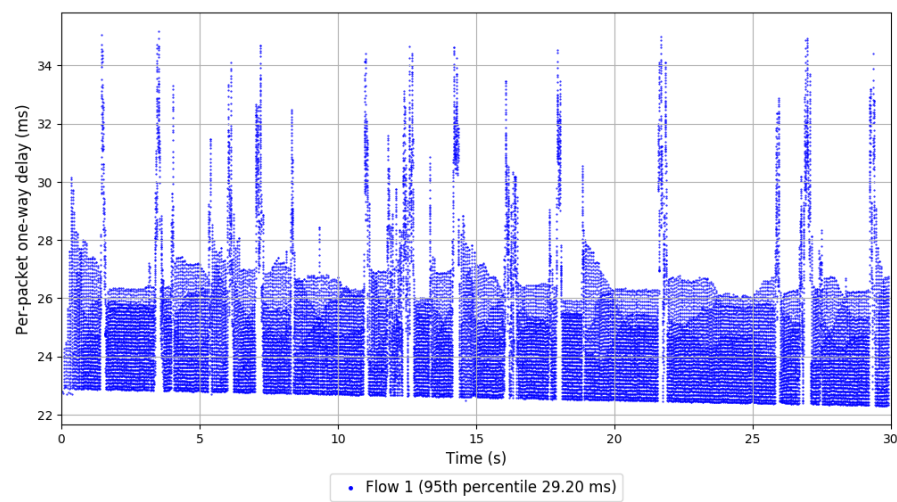
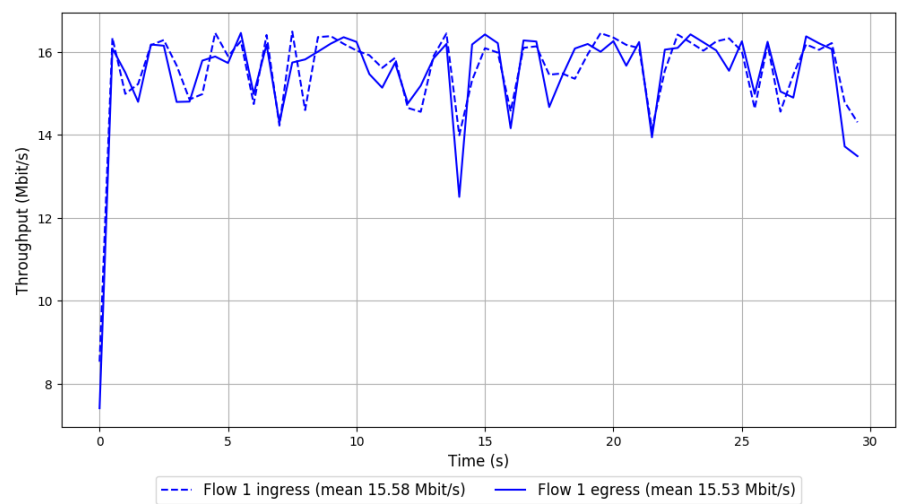


Run 10: Statistics of Sprout

Start at: 2018-01-02 00:38:58
End at: 2018-01-02 00:39:28
Local clock offset: -29.515 ms
Remote clock offset: -1.506 ms

Below is generated by plot.py at 2018-01-02 04:42:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.53 Mbit/s
95th percentile per-packet one-way delay: 29.200 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 15.53 Mbit/s
95th percentile per-packet one-way delay: 29.200 ms
Loss rate: 0.53%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

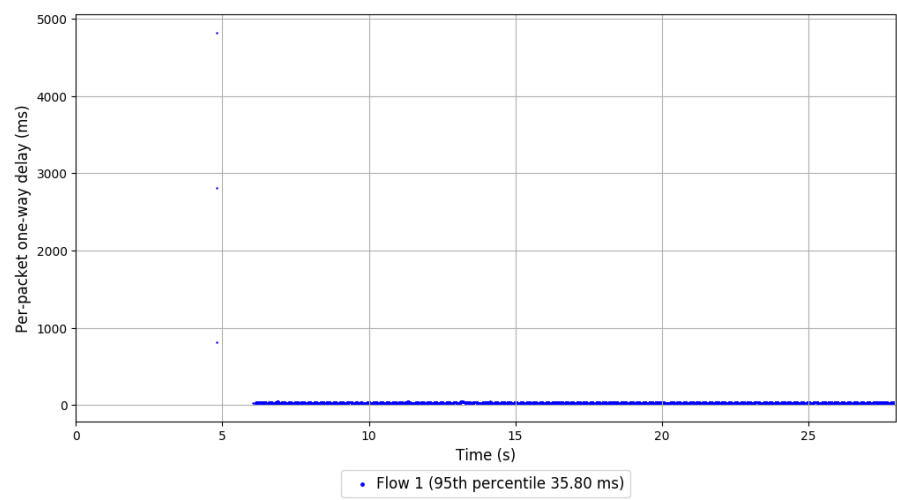
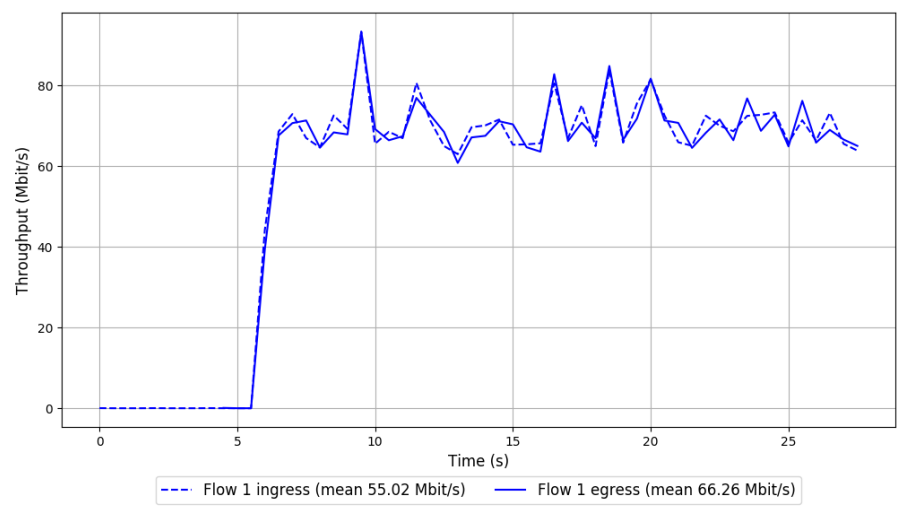
Start at: 2018-01-01 21:47:22

End at: 2018-01-01 21:47:52

Local clock offset: -25.791 ms

Remote clock offset: -3.294 ms

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

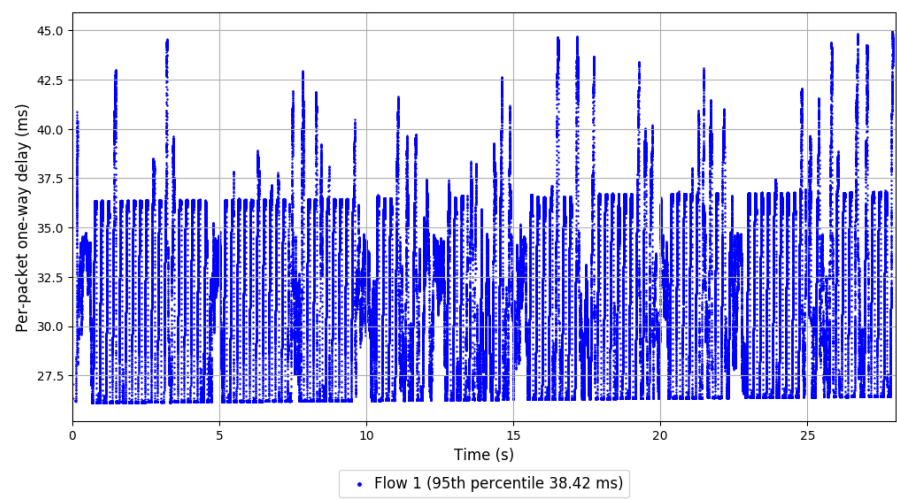
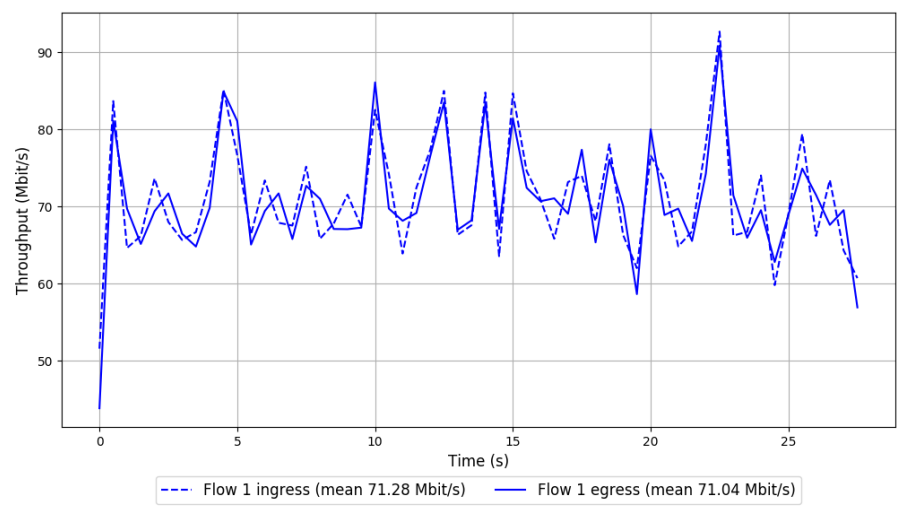


Run 2: Statistics of TaoVA-100x

Start at: 2018-01-01 22:07:37
End at: 2018-01-01 22:08:07
Local clock offset: -2.849 ms
Remote clock offset: -3.732 ms

Below is generated by plot.py at 2018-01-02 04:43:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.04 Mbit/s
95th percentile per-packet one-way delay: 38.419 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 71.04 Mbit/s
95th percentile per-packet one-way delay: 38.419 ms
Loss rate: 0.53%

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



Run 3: Statistics of TaoVA-100x

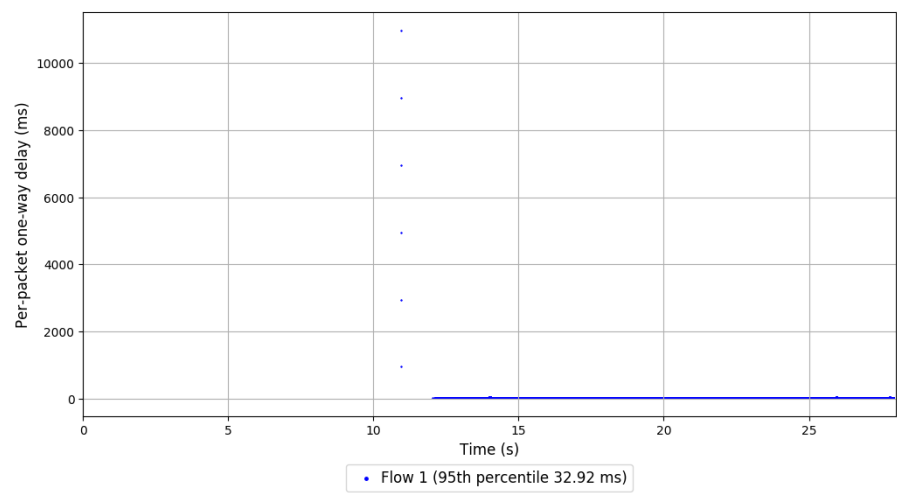
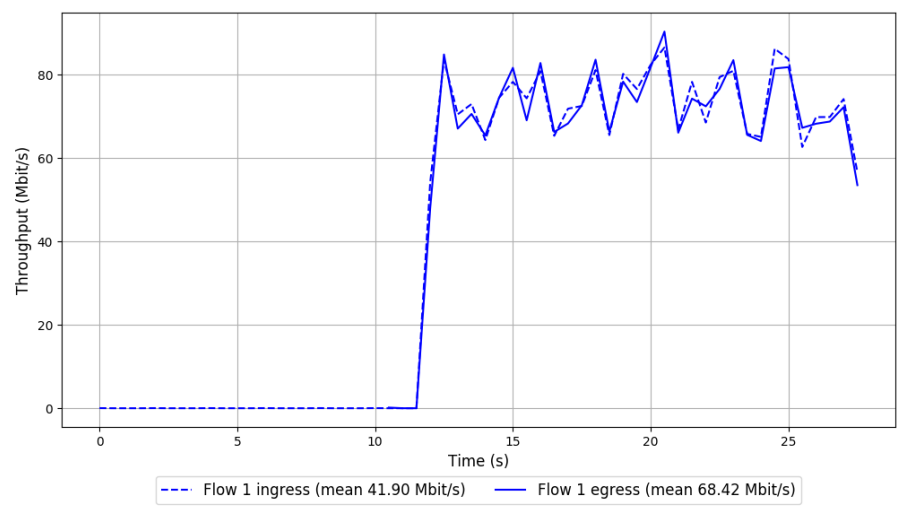
Start at: 2018-01-01 22:27:53

End at: 2018-01-01 22:28:23

Local clock offset: -13.779 ms

Remote clock offset: -2.309 ms

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

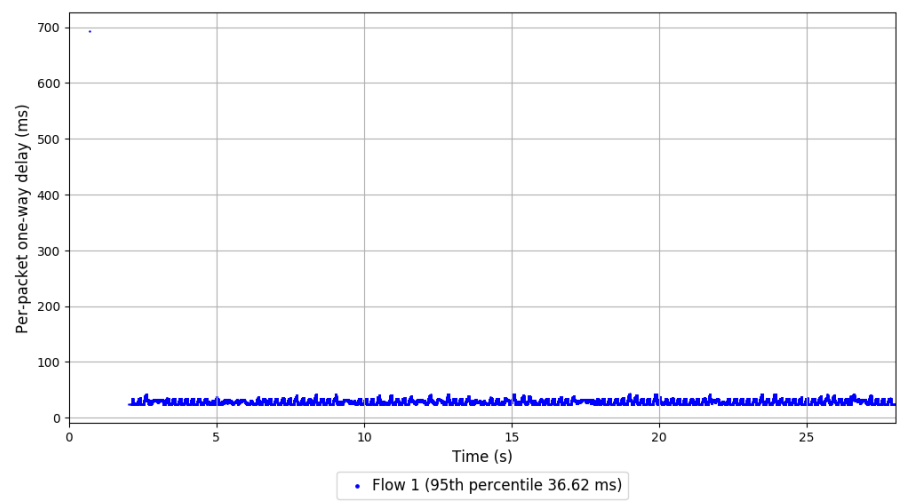
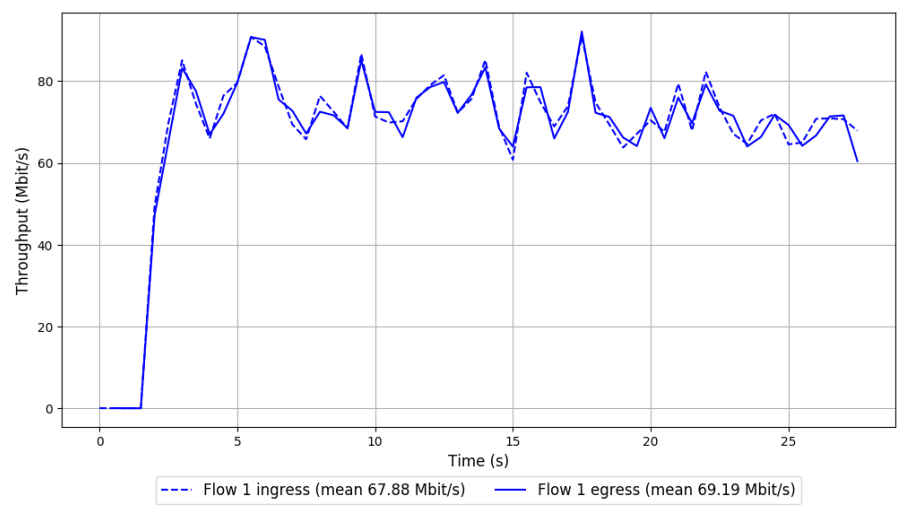


Run 4: Statistics of TaoVA-100x

Start at: 2018-01-01 22:48:34
End at: 2018-01-01 22:49:04
Local clock offset: -16.956 ms
Remote clock offset: -1.965 ms

Below is generated by plot.py at 2018-01-02 04:43:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.19 Mbit/s
95th percentile per-packet one-way delay: 36.621 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 69.19 Mbit/s
95th percentile per-packet one-way delay: 36.621 ms
Loss rate: 0.71%

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

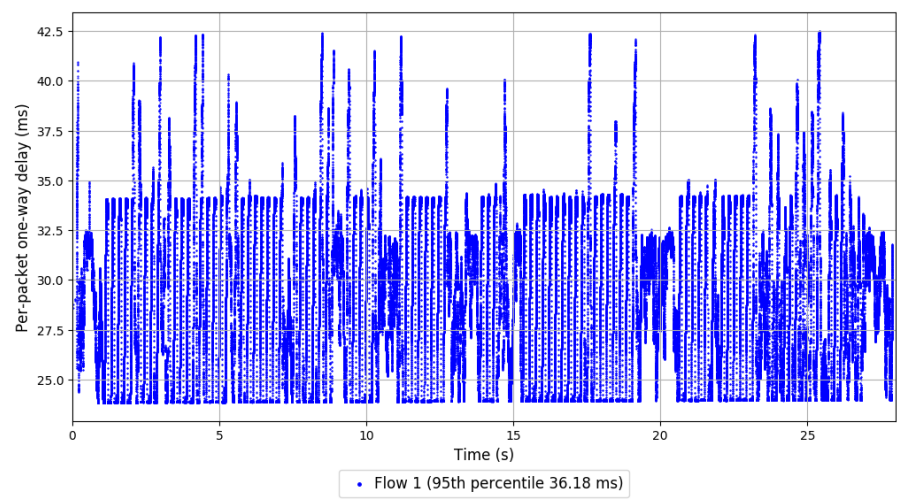
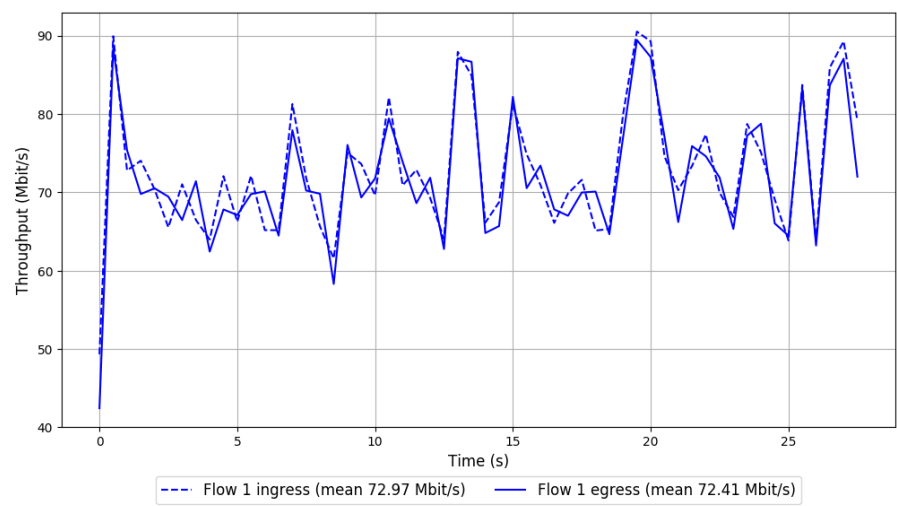


Run 5: Statistics of TaoVA-100x

Start at: 2018-01-01 23:08:46
End at: 2018-01-01 23:09:16
Local clock offset: -20.785 ms
Remote clock offset: -1.303 ms

Below is generated by plot.py at 2018-01-02 04:43:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.41 Mbit/s
95th percentile per-packet one-way delay: 36.182 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 72.41 Mbit/s
95th percentile per-packet one-way delay: 36.182 ms
Loss rate: 0.97%

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



Run 6: Statistics of TaoVA-100x

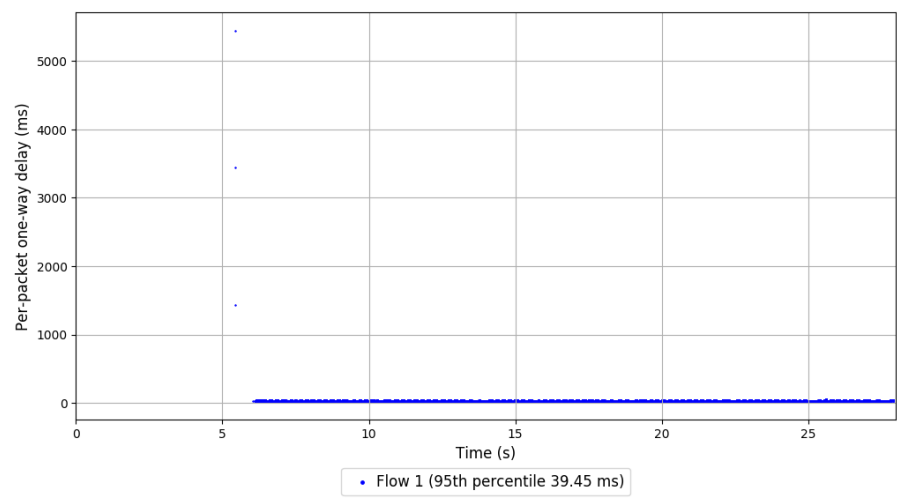
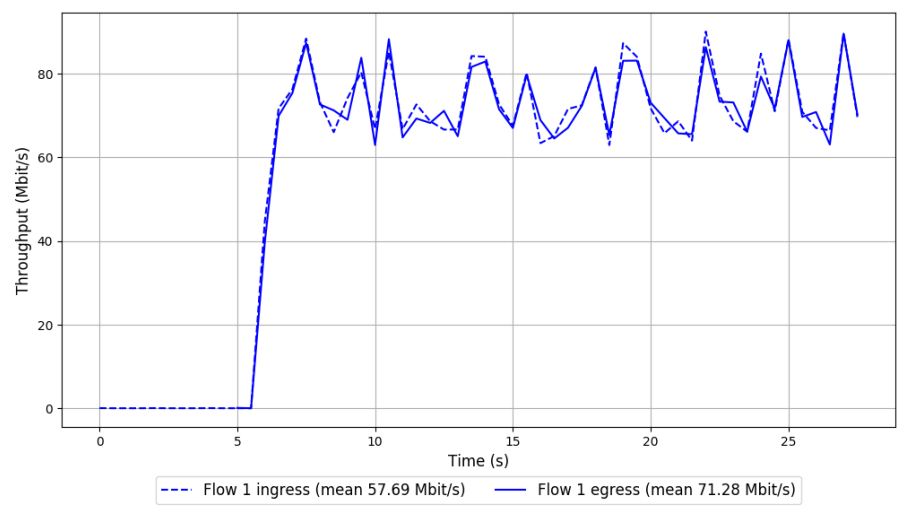
Start at: 2018-01-01 23:29:21

End at: 2018-01-01 23:29:51

Local clock offset: -25.247 ms

Remote clock offset: -2.706 ms

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

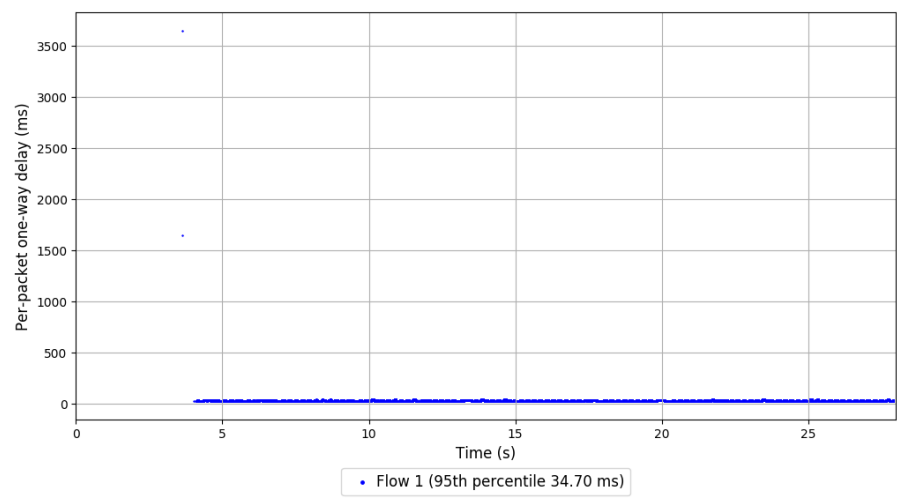
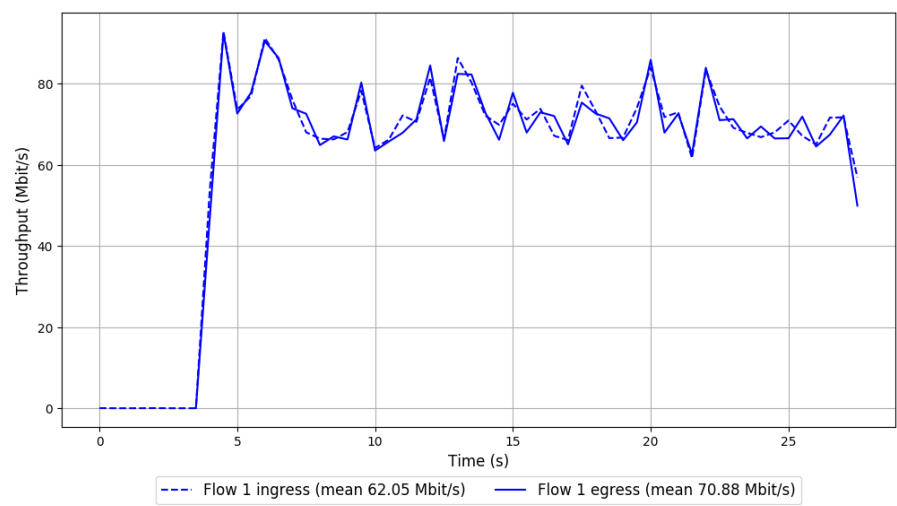


Run 7: Statistics of TaoVA-100x

Start at: 2018-01-01 23:49:51
End at: 2018-01-01 23:50:21
Local clock offset: -26.774 ms
Remote clock offset: -0.811 ms

Below is generated by plot.py at 2018-01-02 04:43:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.88 Mbit/s
95th percentile per-packet one-way delay: 34.699 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 70.88 Mbit/s
95th percentile per-packet one-way delay: 34.699 ms
Loss rate: 0.81%

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



Run 8: Statistics of TaoVA-100x

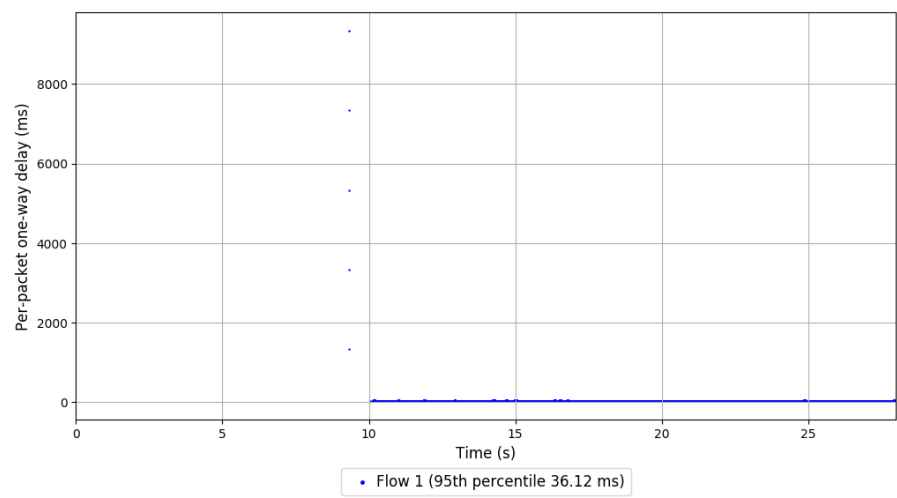
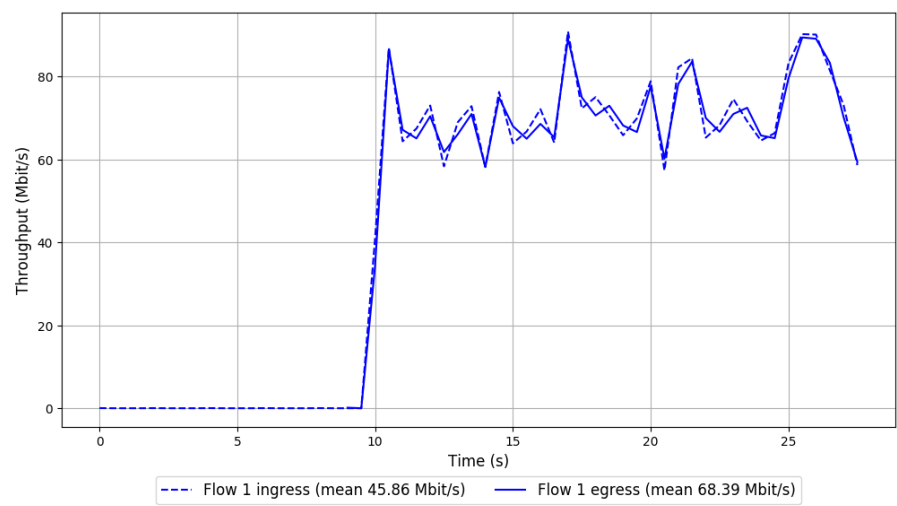
Start at: 2018-01-02 00:10:06

End at: 2018-01-02 00:10:36

Local clock offset: -29.721 ms

Remote clock offset: -3.727 ms

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



Run 9: Statistics of TaoVA-100x

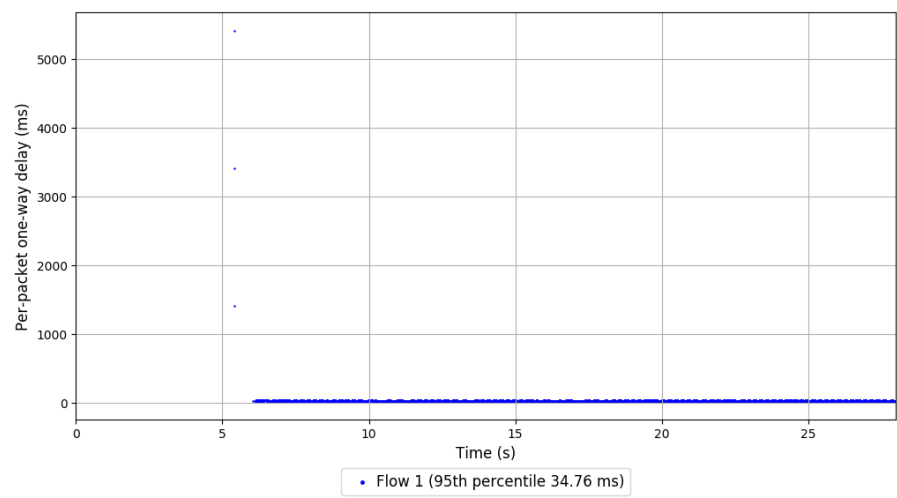
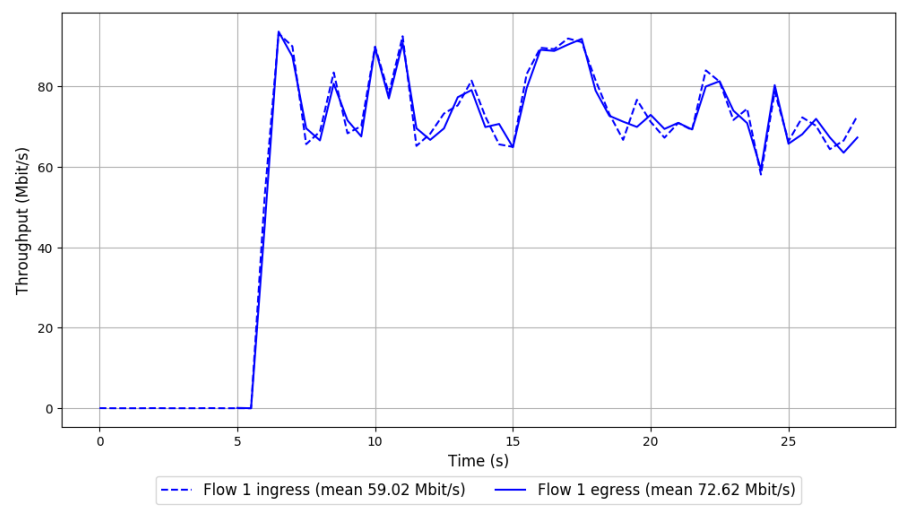
Start at: 2018-01-02 00:30:43

End at: 2018-01-02 00:31:13

Local clock offset: -32.27 ms

Remote clock offset: -1.779 ms

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



Run 10: Statistics of TaoVA-100x

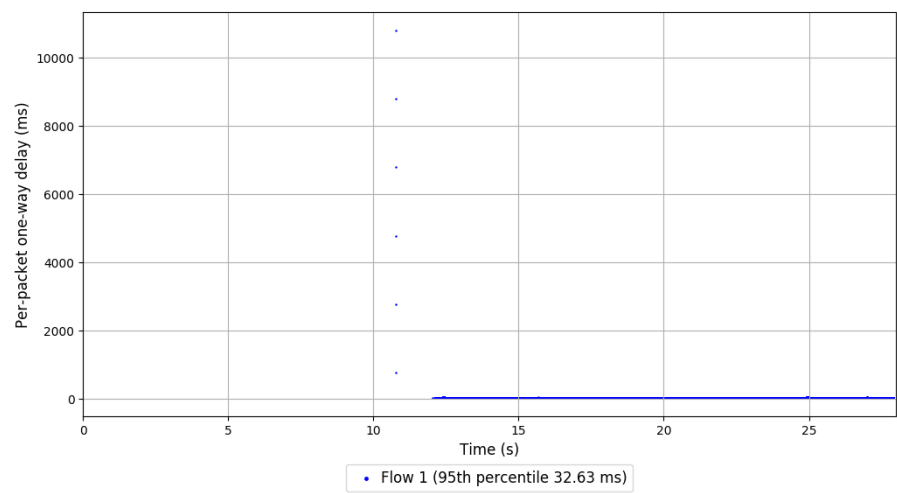
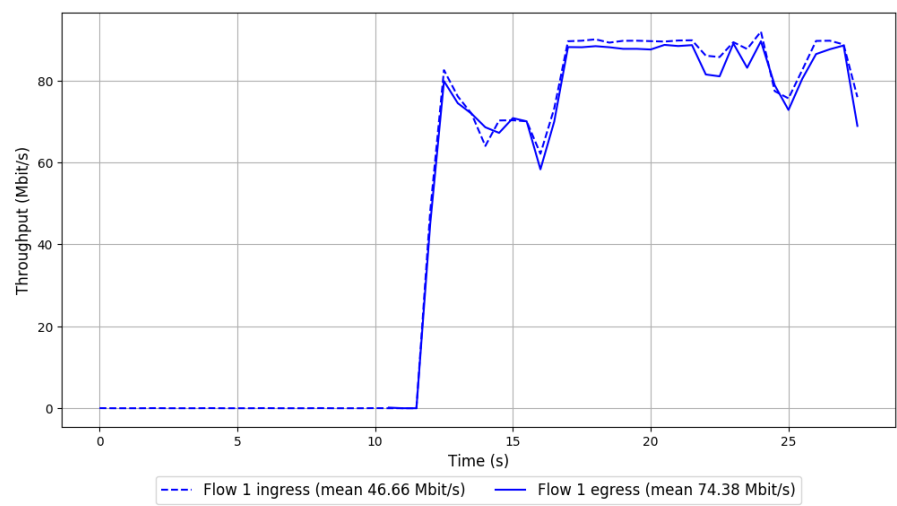
Start at: 2018-01-02 00:51:15

End at: 2018-01-02 00:51:45

Local clock offset: -11.013 ms

Remote clock offset: -0.707 ms

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

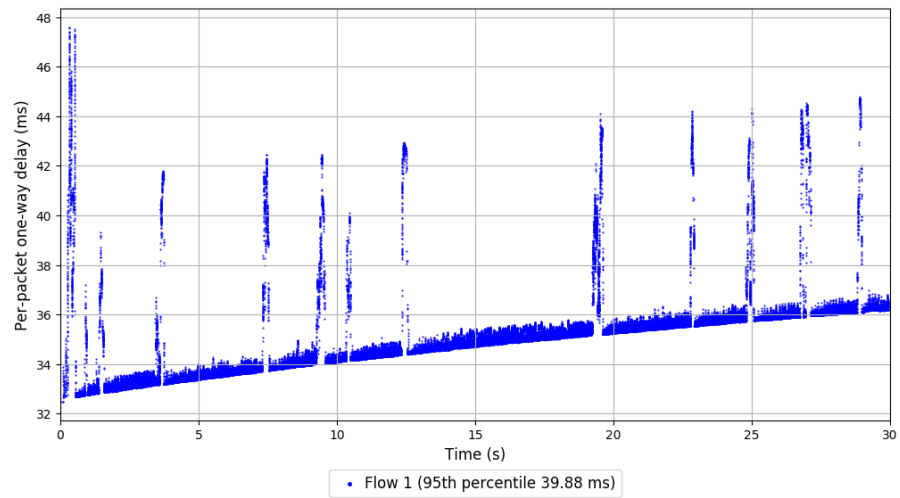
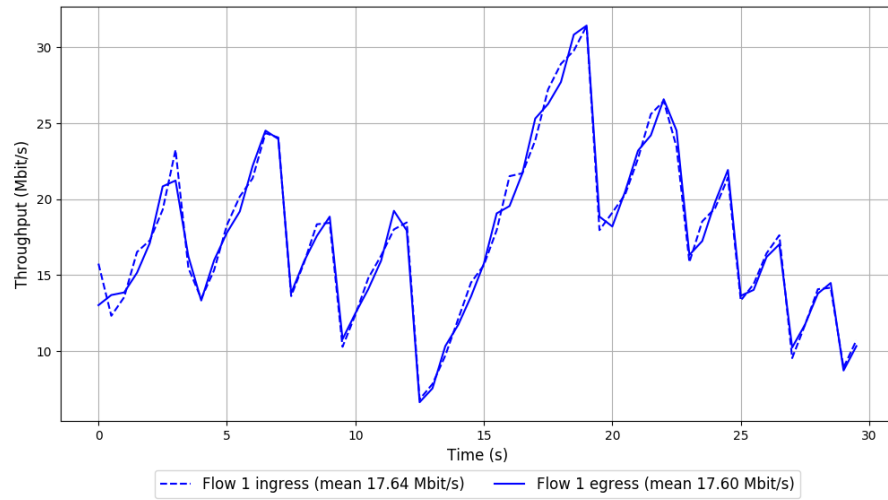


Run 1: Statistics of TCP Vegas

Start at: 2018-01-01 21:34:14
End at: 2018-01-01 21:34:44
Local clock offset: 5.358 ms
Remote clock offset: -3.312 ms

Below is generated by plot.py at 2018-01-02 04:44:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 17.60 Mbit/s
95th percentile per-packet one-way delay: 39.879 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 17.60 Mbit/s
95th percentile per-packet one-way delay: 39.879 ms
Loss rate: 0.37%

Run 1: Report of TCP Vegas — Data Link

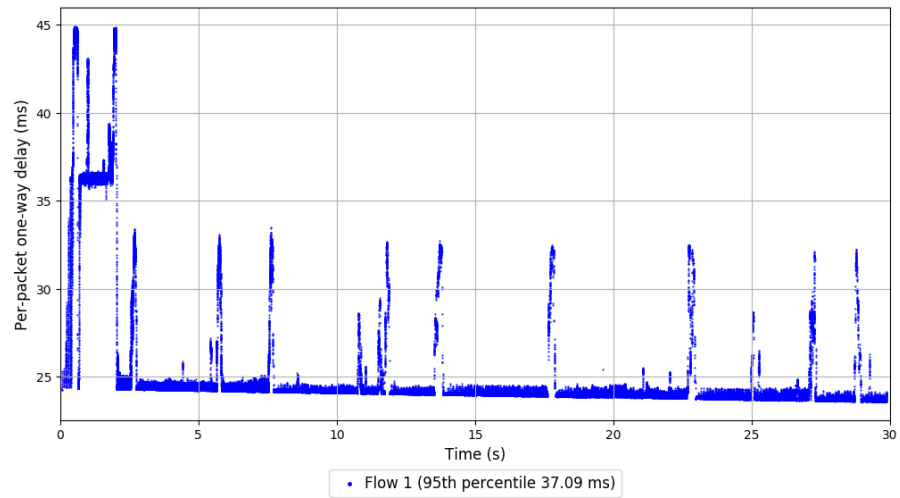
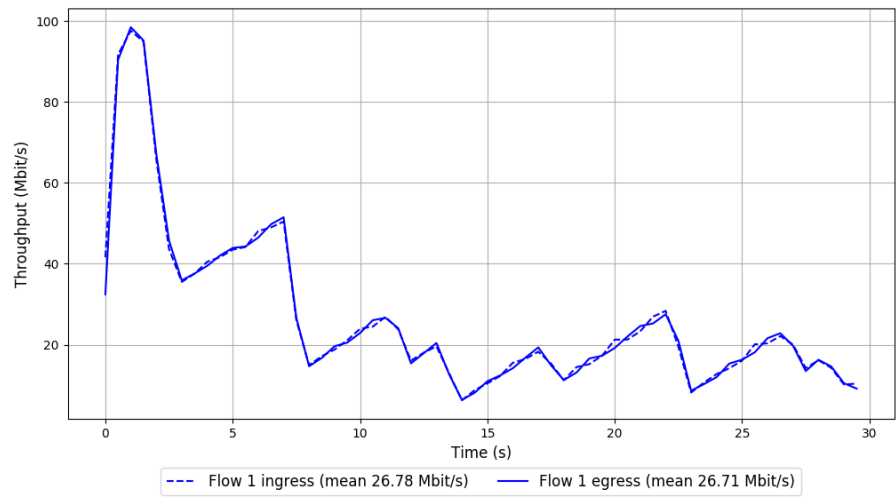


Run 2: Statistics of TCP Vegas

Start at: 2018-01-01 21:54:15
End at: 2018-01-01 21:54:45
Local clock offset: -10.539 ms
Remote clock offset: -3.462 ms

Below is generated by plot.py at 2018-01-02 04:44:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 26.71 Mbit/s
95th percentile per-packet one-way delay: 37.090 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 26.71 Mbit/s
95th percentile per-packet one-way delay: 37.090 ms
Loss rate: 0.43%

Run 2: Report of TCP Vegas — Data Link

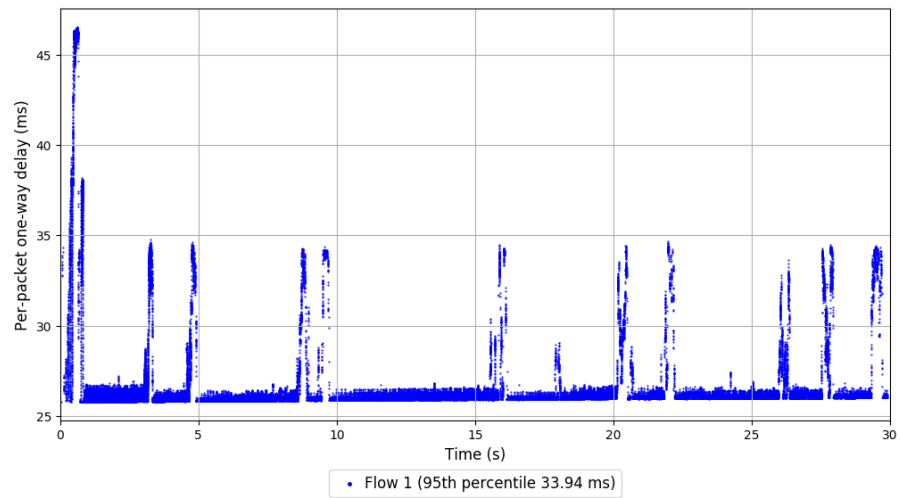
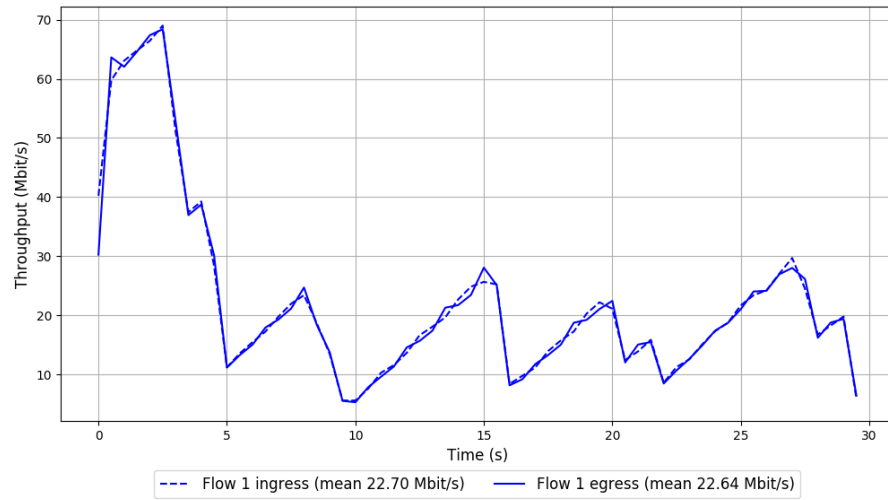


Run 3: Statistics of TCP Vegas

Start at: 2018-01-01 22:14:36
End at: 2018-01-01 22:15:06
Local clock offset: -7.592 ms
Remote clock offset: -3.902 ms

Below is generated by plot.py at 2018-01-02 04:44:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.64 Mbit/s
95th percentile per-packet one-way delay: 33.936 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 22.64 Mbit/s
95th percentile per-packet one-way delay: 33.936 ms
Loss rate: 0.47%

Run 3: Report of TCP Vegas — Data Link

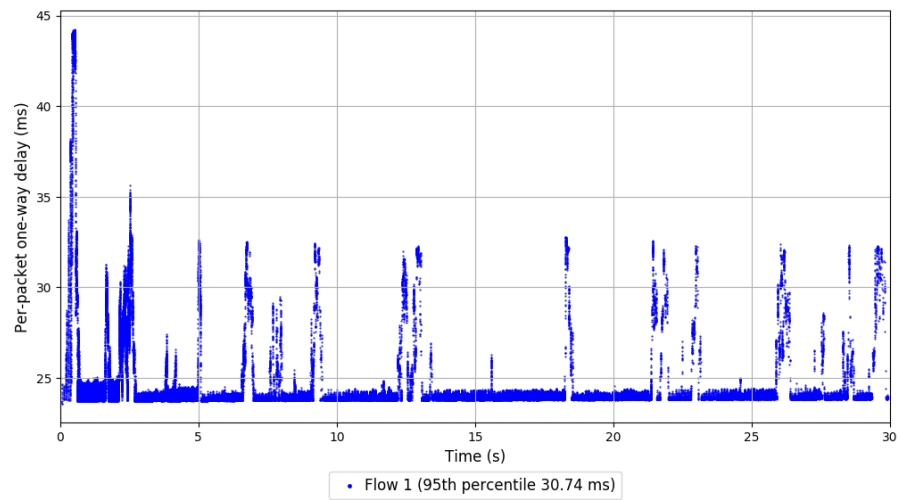
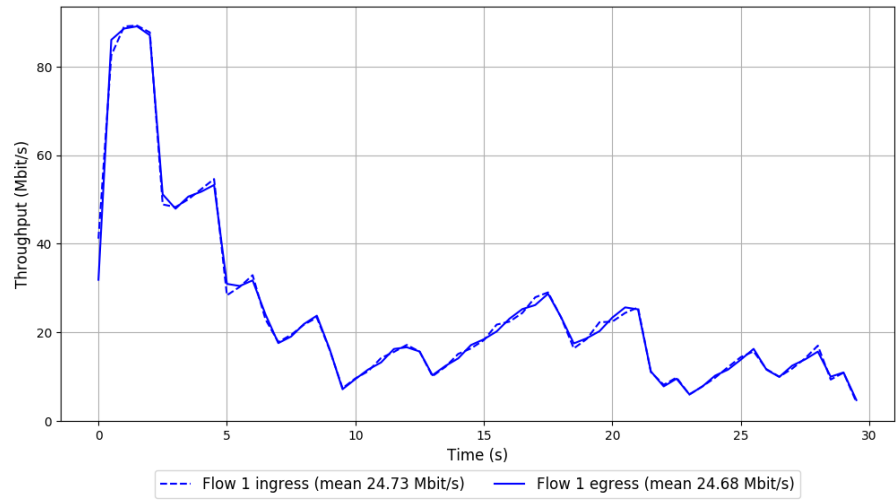


Run 4: Statistics of TCP Vegas

Start at: 2018-01-01 22:34:52
End at: 2018-01-01 22:35:22
Local clock offset: -12.547 ms
Remote clock offset: -2.428 ms

Below is generated by plot.py at 2018-01-02 04:44:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 30.739 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 30.739 ms
Loss rate: 0.38%

Run 4: Report of TCP Vegas — Data Link

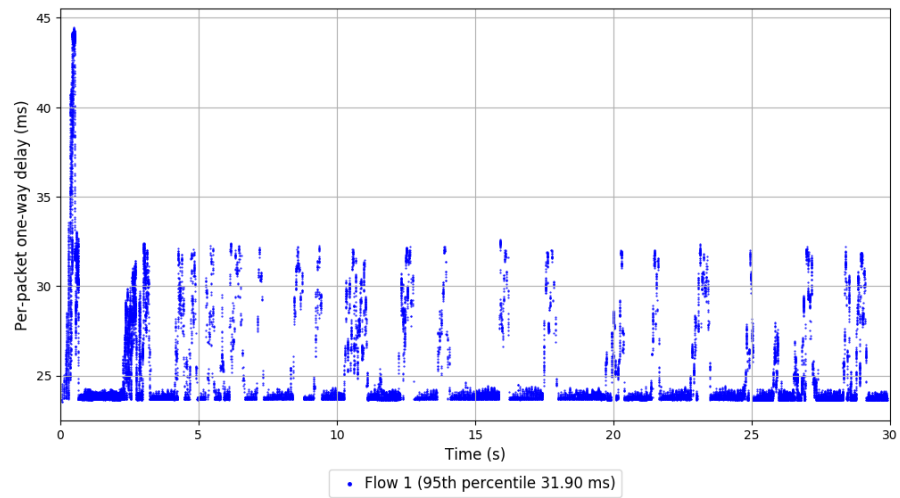
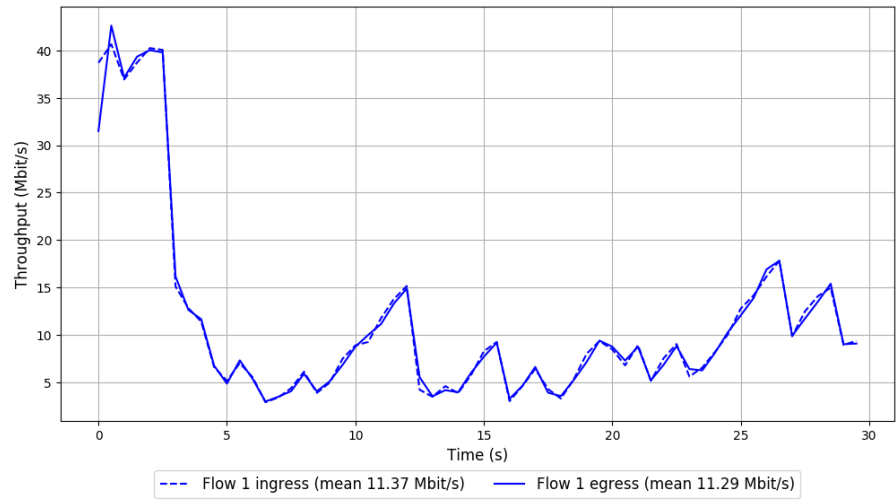


Run 5: Statistics of TCP Vegas

Start at: 2018-01-01 22:55:30
End at: 2018-01-01 22:56:00
Local clock offset: -18.657 ms
Remote clock offset: -1.769 ms

Below is generated by plot.py at 2018-01-02 04:44:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.29 Mbit/s
95th percentile per-packet one-way delay: 31.898 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 11.29 Mbit/s
95th percentile per-packet one-way delay: 31.898 ms
Loss rate: 0.90%

Run 5: Report of TCP Vegas — Data Link

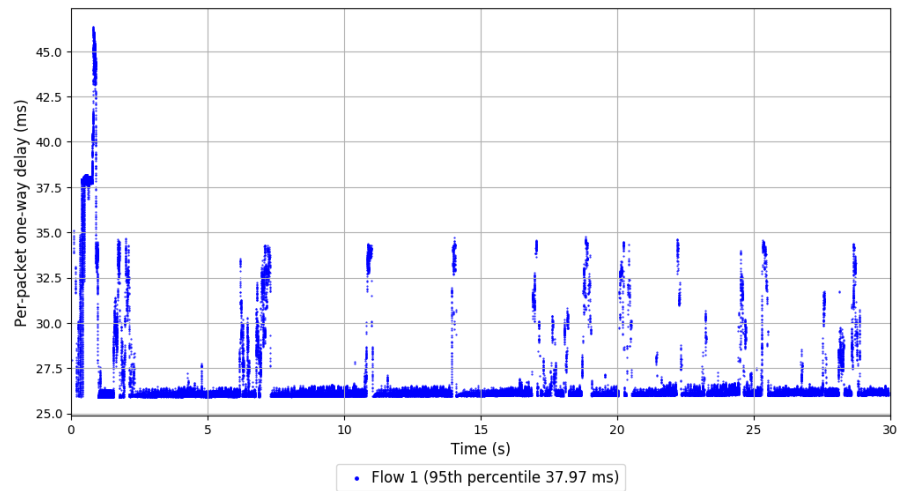
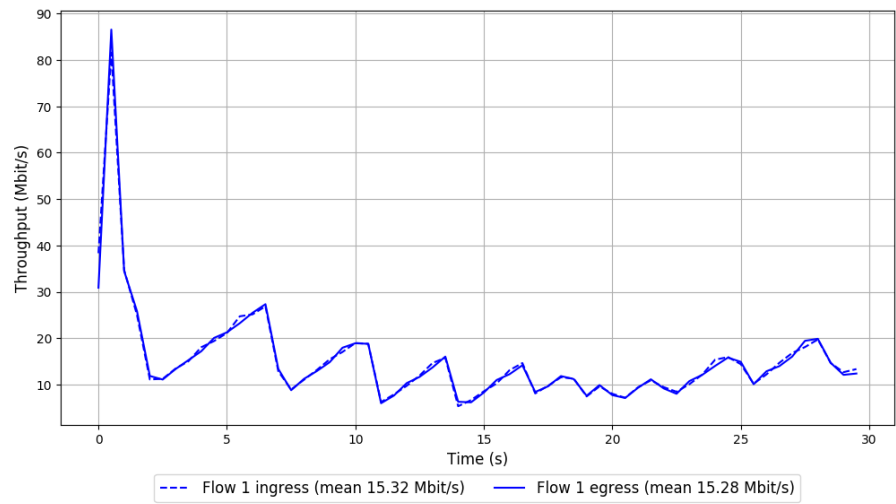


Run 6: Statistics of TCP Vegas

Start at: 2018-01-01 23:15:49
End at: 2018-01-01 23:16:19
Local clock offset: -21.819 ms
Remote clock offset: -3.122 ms

Below is generated by plot.py at 2018-01-02 04:44:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.28 Mbit/s
95th percentile per-packet one-way delay: 37.968 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 15.28 Mbit/s
95th percentile per-packet one-way delay: 37.968 ms
Loss rate: 0.44%

Run 6: Report of TCP Vegas — Data Link

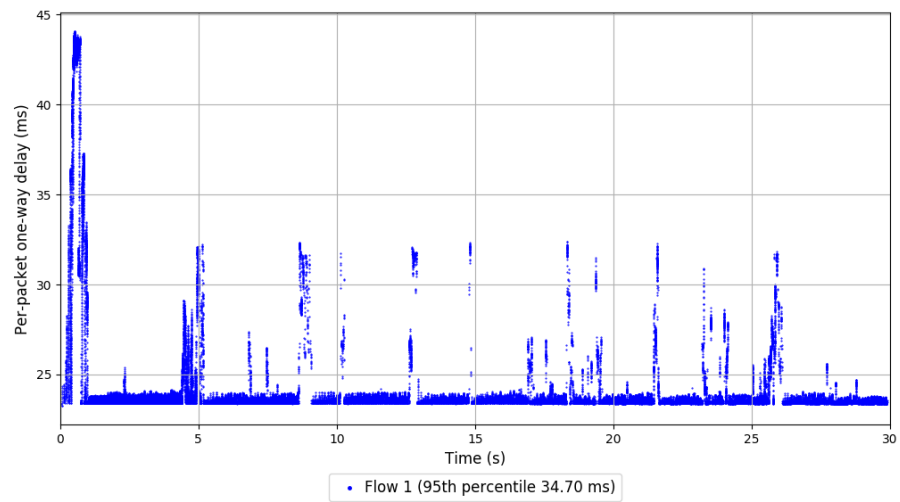
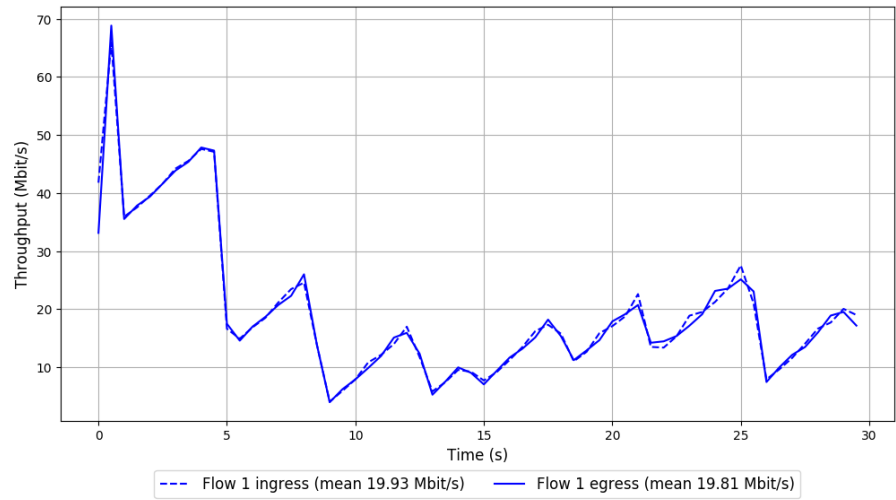


Run 7: Statistics of TCP Vegas

Start at: 2018-01-01 23:36:20
End at: 2018-01-01 23:36:50
Local clock offset: -27.533 ms
Remote clock offset: -0.448 ms

Below is generated by plot.py at 2018-01-02 04:44:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.81 Mbit/s
95th percentile per-packet one-way delay: 34.704 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 19.81 Mbit/s
95th percentile per-packet one-way delay: 34.704 ms
Loss rate: 0.76%

Run 7: Report of TCP Vegas — Data Link

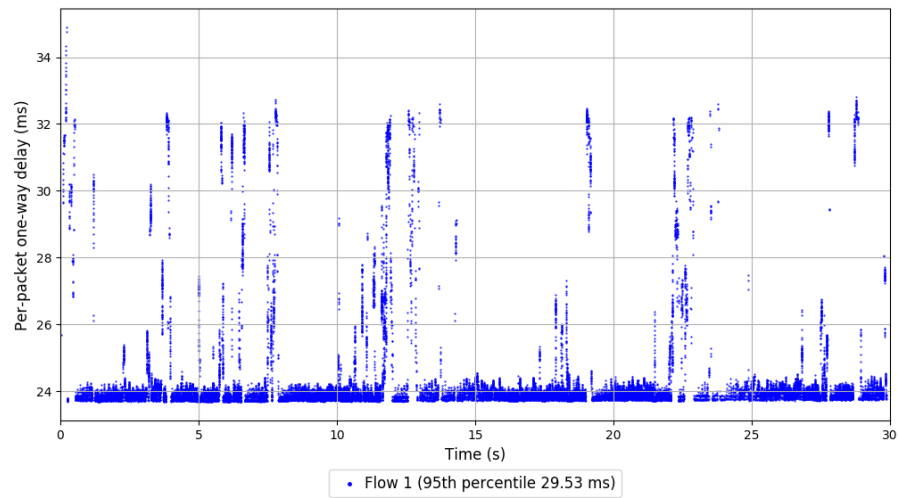
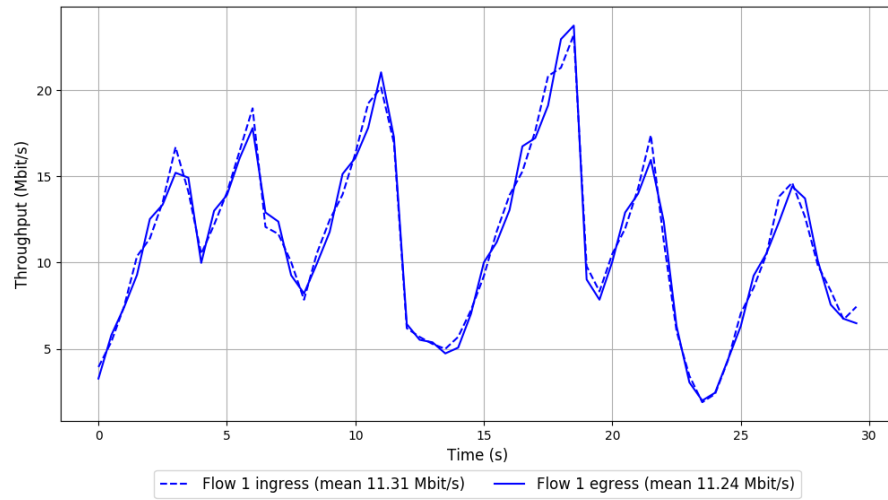


Run 8: Statistics of TCP Vegas

Start at: 2018-01-01 23:56:57
End at: 2018-01-01 23:57:27
Local clock offset: -27.041 ms
Remote clock offset: -1.119 ms

Below is generated by plot.py at 2018-01-02 04:44:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.24 Mbit/s
95th percentile per-packet one-way delay: 29.532 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 11.24 Mbit/s
95th percentile per-packet one-way delay: 29.532 ms
Loss rate: 0.79%

Run 8: Report of TCP Vegas — Data Link

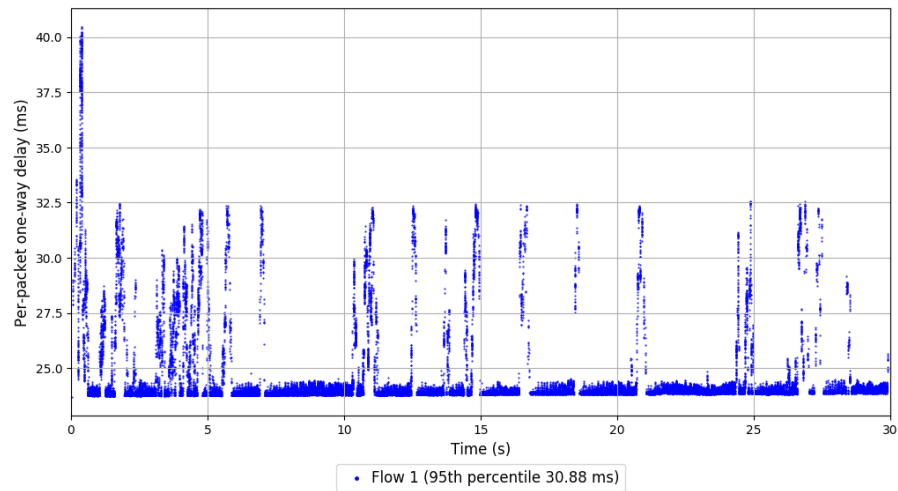
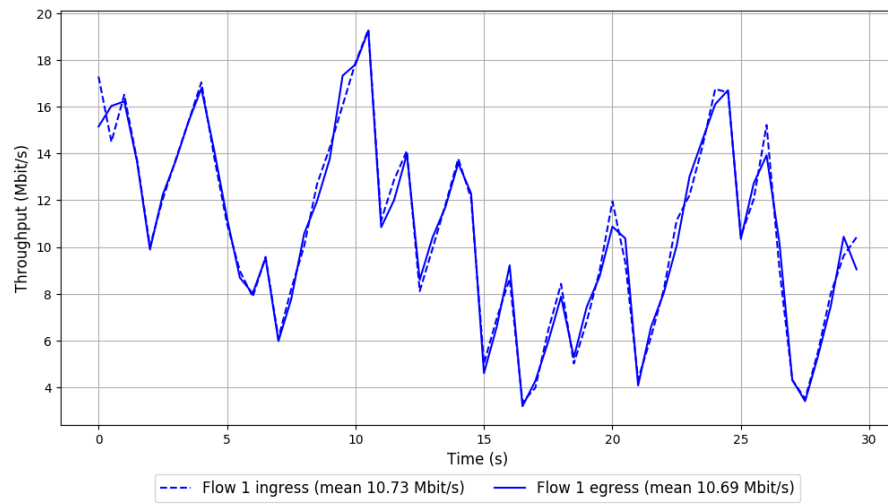


Run 9: Statistics of TCP Vegas

Start at: 2018-01-02 00:17:17
End at: 2018-01-02 00:17:47
Local clock offset: -31.146 ms
Remote clock offset: -1.958 ms

Below is generated by plot.py at 2018-01-02 04:44:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.69 Mbit/s
95th percentile per-packet one-way delay: 30.880 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 10.69 Mbit/s
95th percentile per-packet one-way delay: 30.880 ms
Loss rate: 0.53%

Run 9: Report of TCP Vegas — Data Link

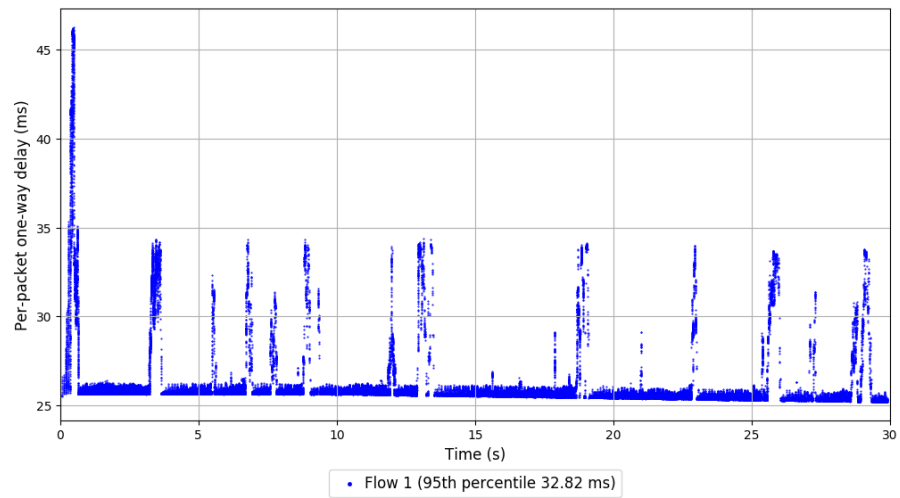
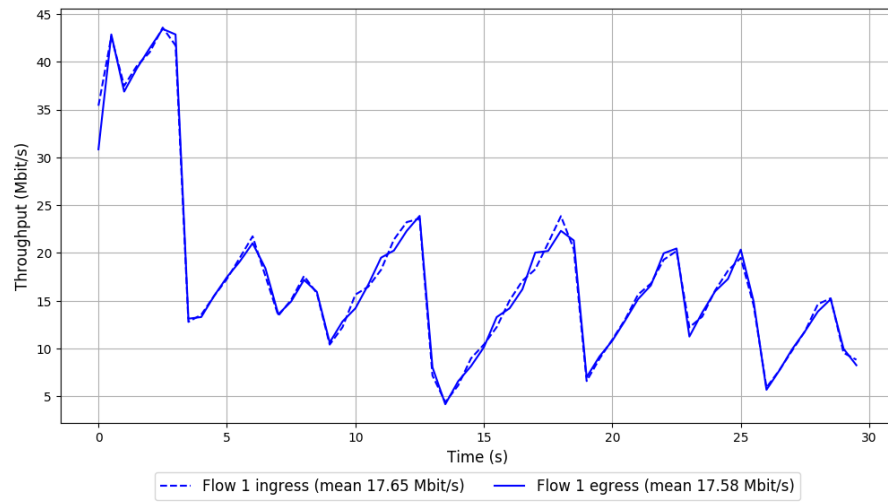


Run 10: Statistics of TCP Vegas

Start at: 2018-01-02 00:37:40
End at: 2018-01-02 00:38:10
Local clock offset: -30.399 ms
Remote clock offset: -3.73 ms

Below is generated by plot.py at 2018-01-02 04:44:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 17.58 Mbit/s
95th percentile per-packet one-way delay: 32.822 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 17.58 Mbit/s
95th percentile per-packet one-way delay: 32.822 ms
Loss rate: 0.57%

Run 10: Report of TCP Vegas — Data Link

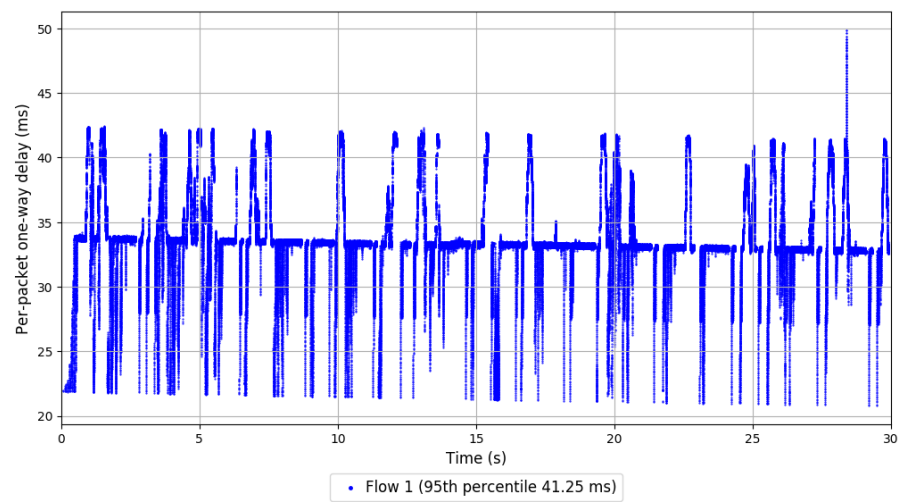
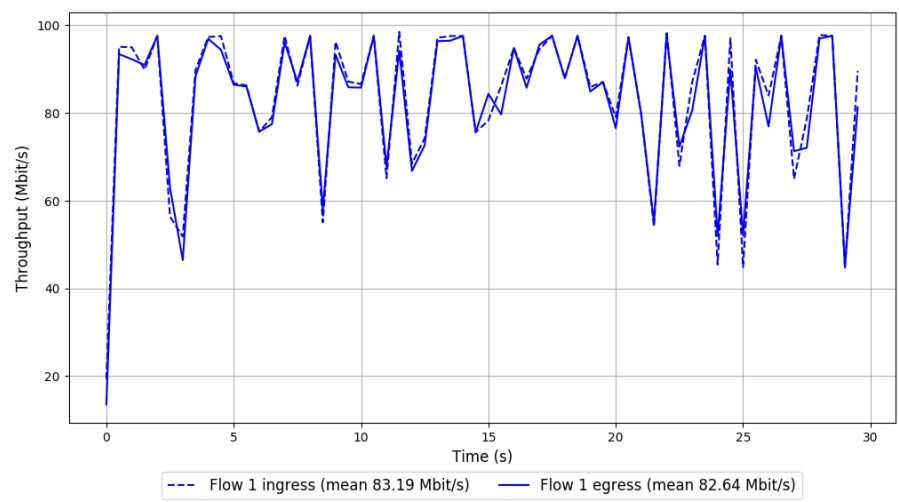


Run 1: Statistics of Verus

Start at: 2018-01-01 21:50:07
End at: 2018-01-01 21:50:37
Local clock offset: -20.57 ms
Remote clock offset: -1.357 ms

Below is generated by plot.py at 2018-01-02 04:45:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.64 Mbit/s
95th percentile per-packet one-way delay: 41.254 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 82.64 Mbit/s
95th percentile per-packet one-way delay: 41.254 ms
Loss rate: 0.85%

Run 1: Report of Verus — Data Link

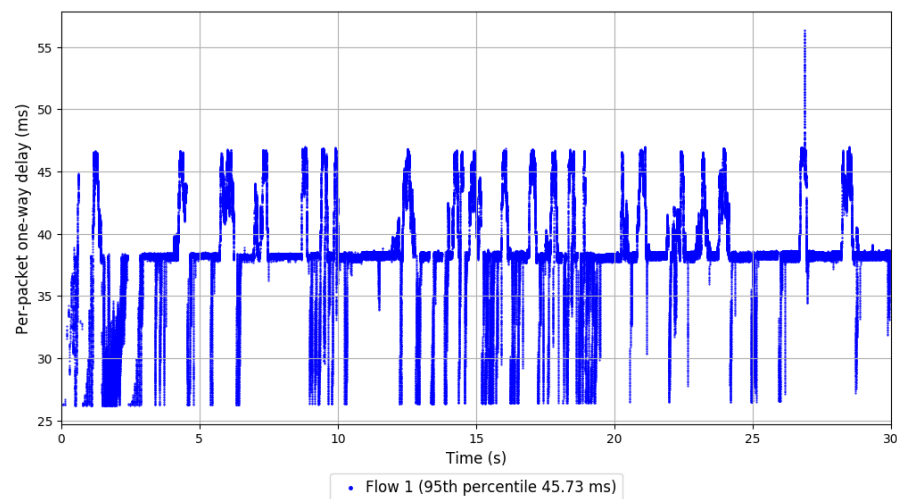
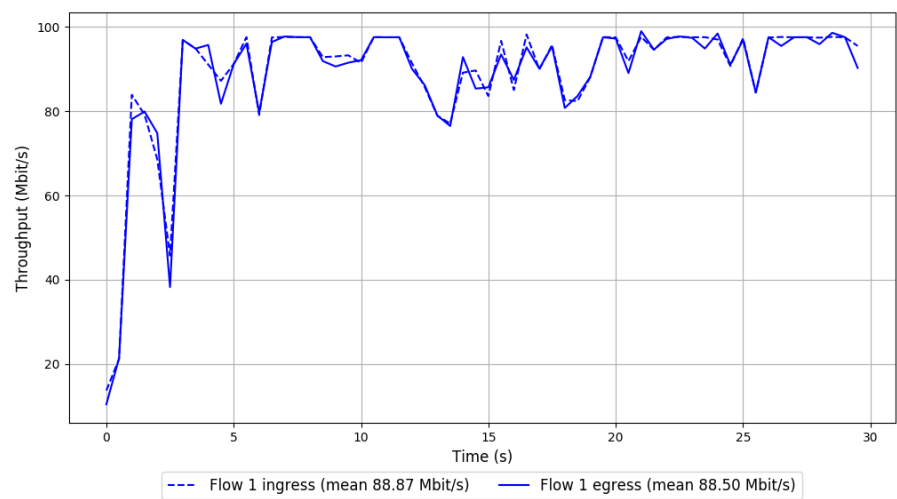


Run 2: Statistics of Verus

Start at: 2018-01-01 22:10:29
End at: 2018-01-01 22:11:00
Local clock offset: -5.096 ms
Remote clock offset: -3.923 ms

Below is generated by plot.py at 2018-01-02 04:45:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.50 Mbit/s
95th percentile per-packet one-way delay: 45.733 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 88.50 Mbit/s
95th percentile per-packet one-way delay: 45.733 ms
Loss rate: 0.61%

Run 2: Report of Verus — Data Link

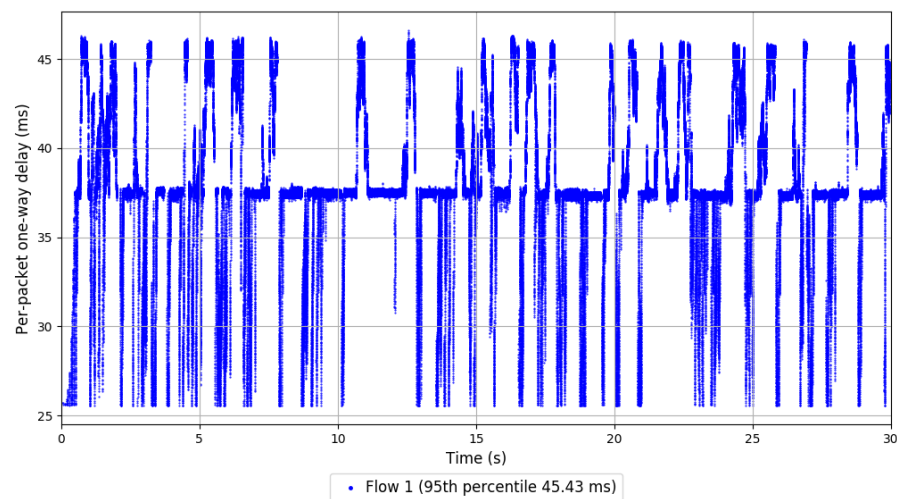
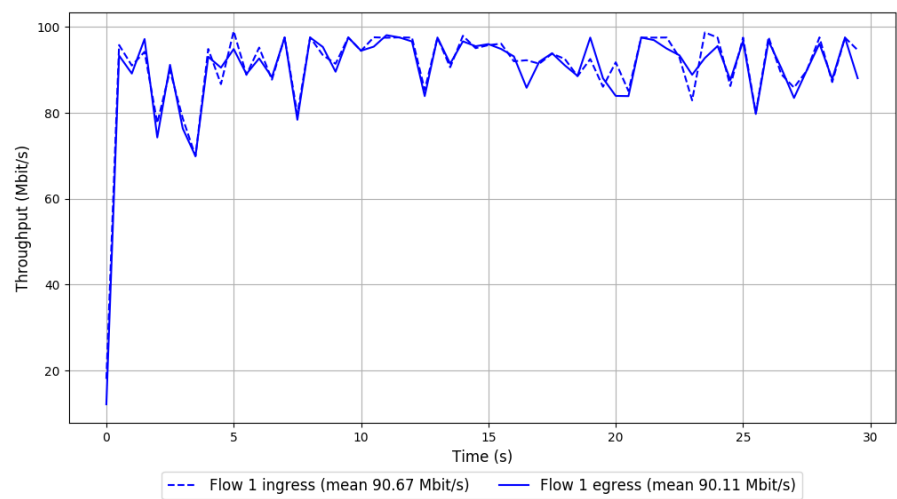


Run 3: Statistics of Verus

Start at: 2018-01-01 22:30:45
End at: 2018-01-01 22:31:15
Local clock offset: -12.236 ms
Remote clock offset: -4.407 ms

Below is generated by plot.py at 2018-01-02 04:45:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.11 Mbit/s
95th percentile per-packet one-way delay: 45.431 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 90.11 Mbit/s
95th percentile per-packet one-way delay: 45.431 ms
Loss rate: 0.80%

Run 3: Report of Verus — Data Link

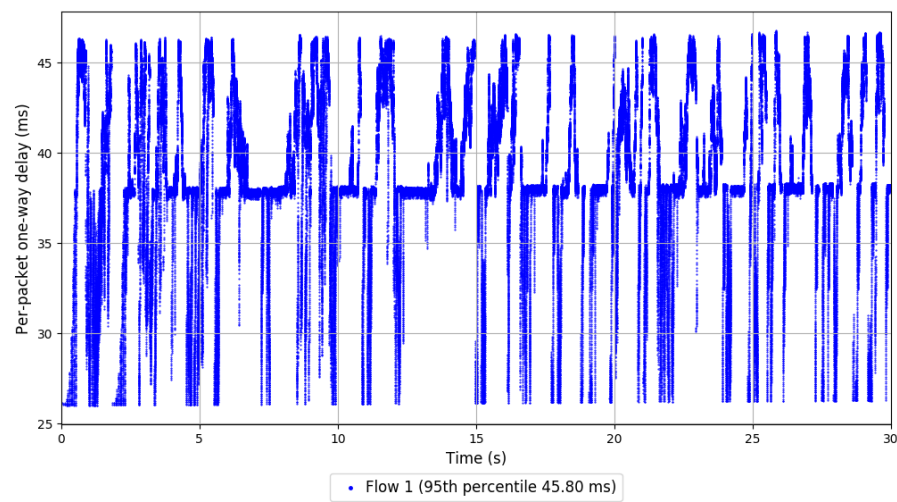
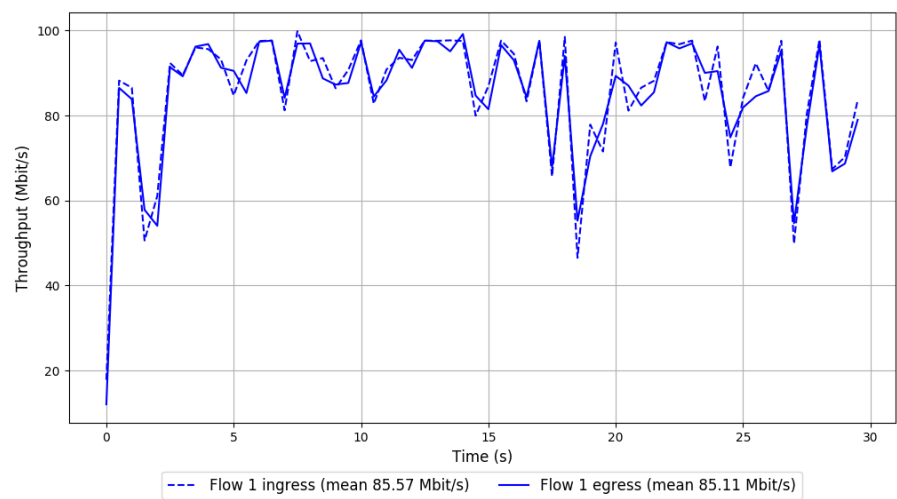


Run 4: Statistics of Verus

Start at: 2018-01-01 22:51:30
End at: 2018-01-01 22:52:00
Local clock offset: -18.427 ms
Remote clock offset: -3.891 ms

Below is generated by plot.py at 2018-01-02 04:45:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.11 Mbit/s
95th percentile per-packet one-way delay: 45.800 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 85.11 Mbit/s
95th percentile per-packet one-way delay: 45.800 ms
Loss rate: 0.72%

Run 4: Report of Verus — Data Link

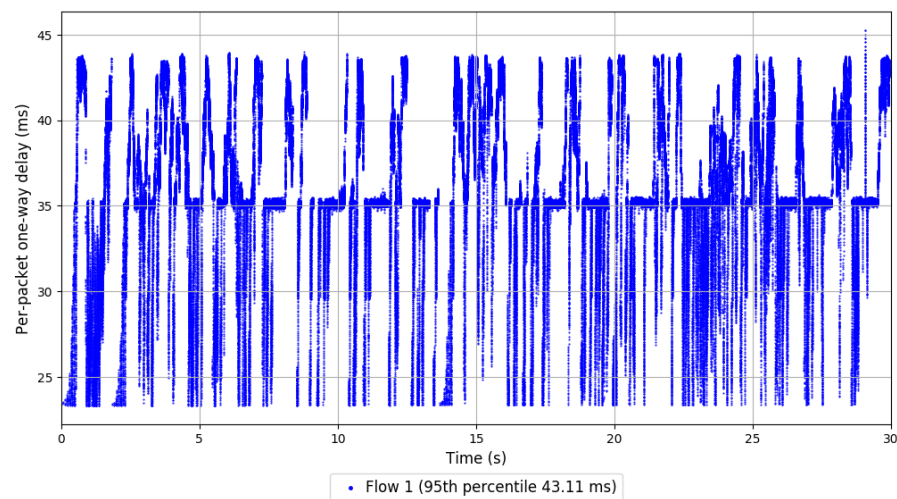
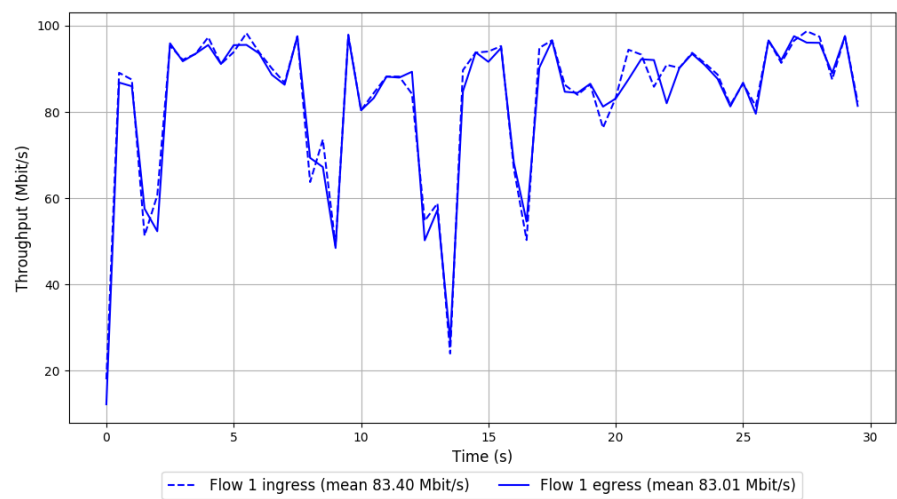


Run 5: Statistics of Verus

Start at: 2018-01-01 23:11:43
End at: 2018-01-01 23:12:13
Local clock offset: -21.231 ms
Remote clock offset: -0.712 ms

Below is generated by plot.py at 2018-01-02 04:45:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.01 Mbit/s
95th percentile per-packet one-way delay: 43.111 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 83.01 Mbit/s
95th percentile per-packet one-way delay: 43.111 ms
Loss rate: 0.73%

Run 5: Report of Verus — Data Link

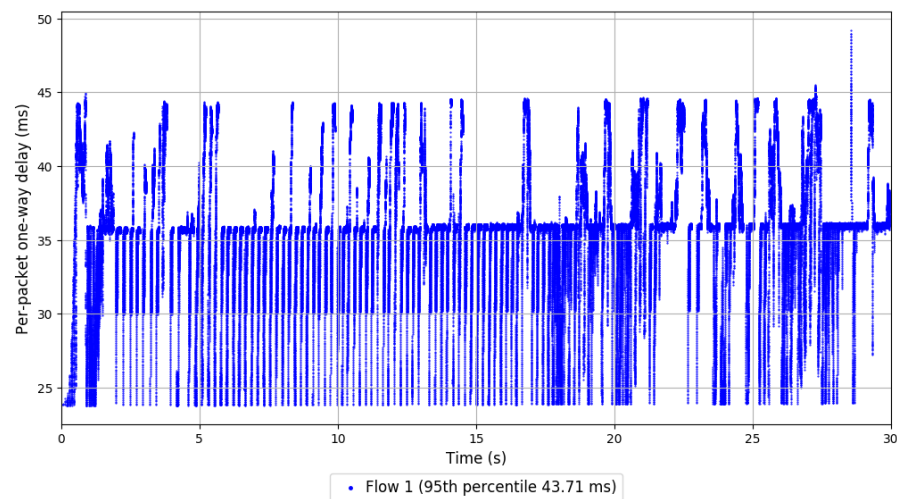
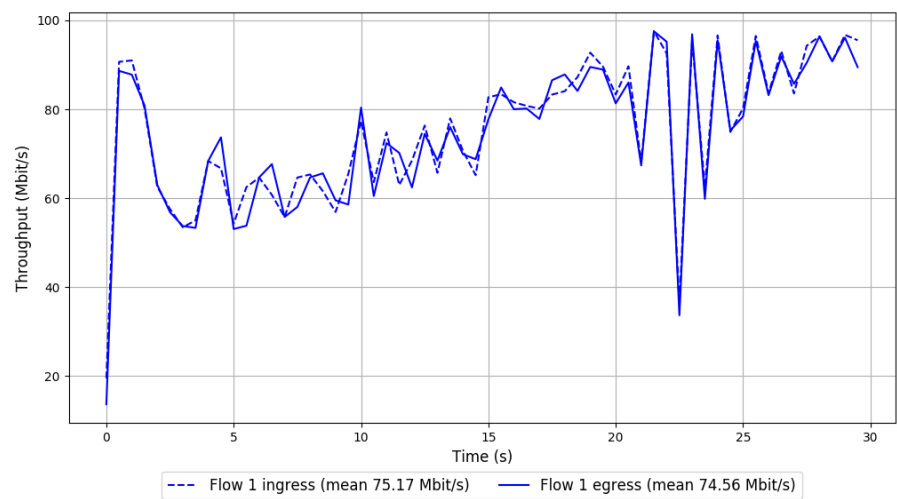


Run 6: Statistics of Verus

Start at: 2018-01-01 23:32:09
End at: 2018-01-01 23:32:39
Local clock offset: -26.249 ms
Remote clock offset: -0.621 ms

Below is generated by plot.py at 2018-01-02 04:45:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.56 Mbit/s
95th percentile per-packet one-way delay: 43.708 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 74.56 Mbit/s
95th percentile per-packet one-way delay: 43.708 ms
Loss rate: 0.99%

Run 6: Report of Verus — Data Link

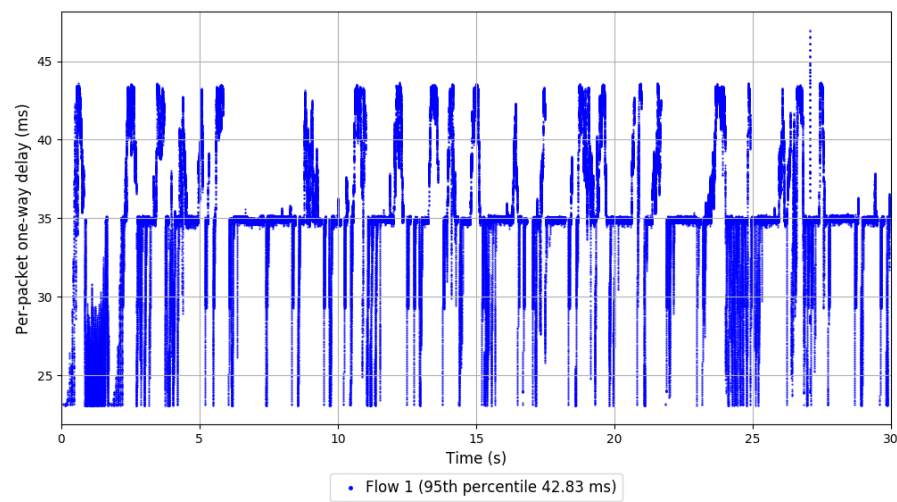
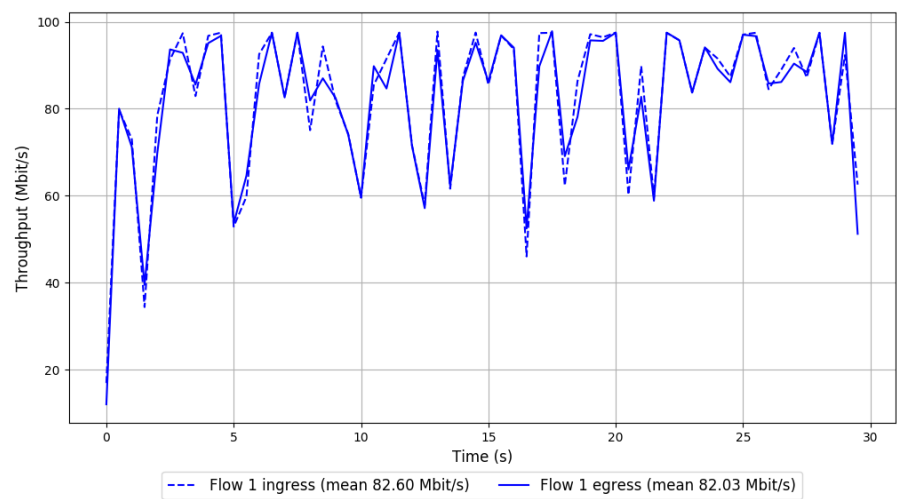


Run 7: Statistics of Verus

Start at: 2018-01-01 23:52:39
End at: 2018-01-01 23:53:09
Local clock offset: -26.834 ms
Remote clock offset: -0.523 ms

Below is generated by plot.py at 2018-01-02 04:45:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.03 Mbit/s
95th percentile per-packet one-way delay: 42.827 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 82.03 Mbit/s
95th percentile per-packet one-way delay: 42.827 ms
Loss rate: 0.87%

Run 7: Report of Verus — Data Link

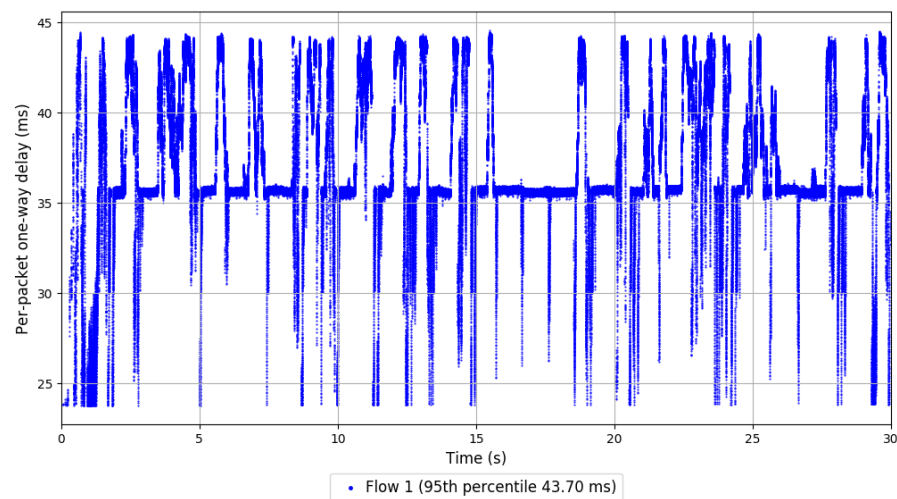
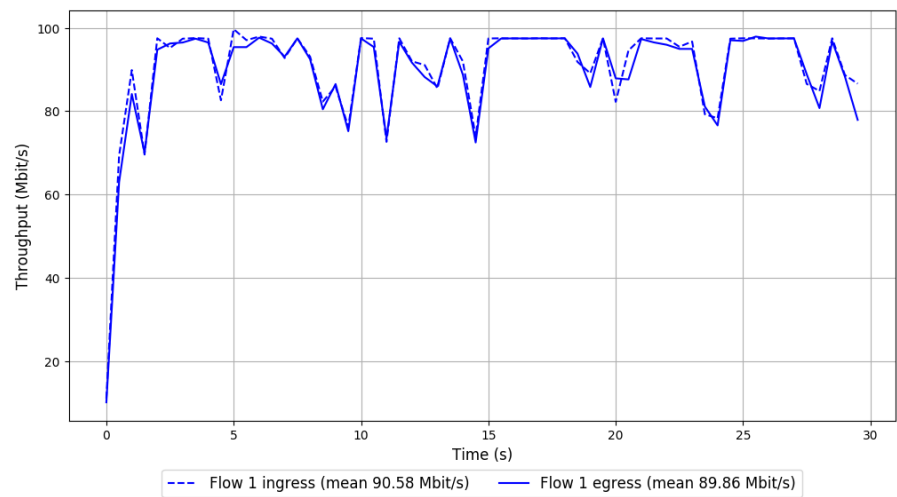


Run 8: Statistics of Verus

Start at: 2018-01-02 00:12:54
End at: 2018-01-02 00:13:24
Local clock offset: -30.183 ms
Remote clock offset: -1.753 ms

Below is generated by plot.py at 2018-01-02 04:45:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.86 Mbit/s
95th percentile per-packet one-way delay: 43.700 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 89.86 Mbit/s
95th percentile per-packet one-way delay: 43.700 ms
Loss rate: 0.99%

Run 8: Report of Verus — Data Link

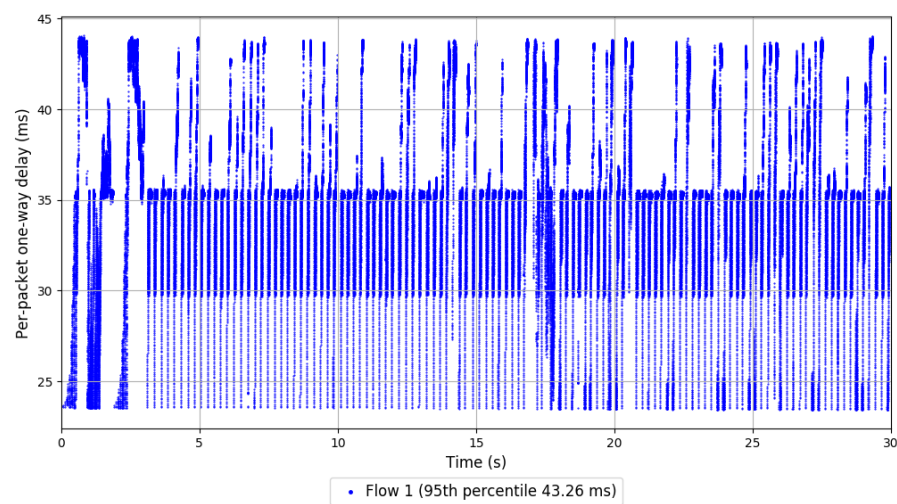
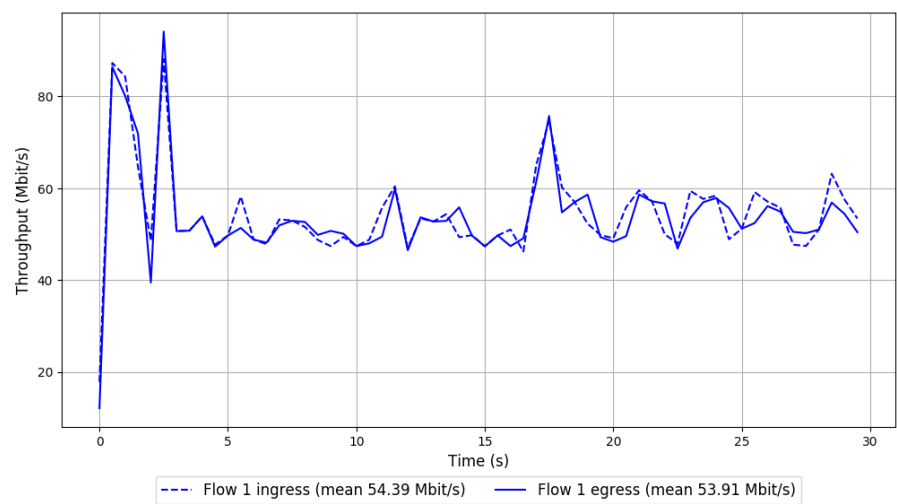


Run 9: Statistics of Verus

Start at: 2018-01-02 00:33:37
End at: 2018-01-02 00:34:07
Local clock offset: -31.273 ms
Remote clock offset: -1.739 ms

Below is generated by plot.py at 2018-01-02 04:46:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 53.91 Mbit/s
95th percentile per-packet one-way delay: 43.262 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 53.91 Mbit/s
95th percentile per-packet one-way delay: 43.262 ms
Loss rate: 1.00%

Run 9: Report of Verus — Data Link

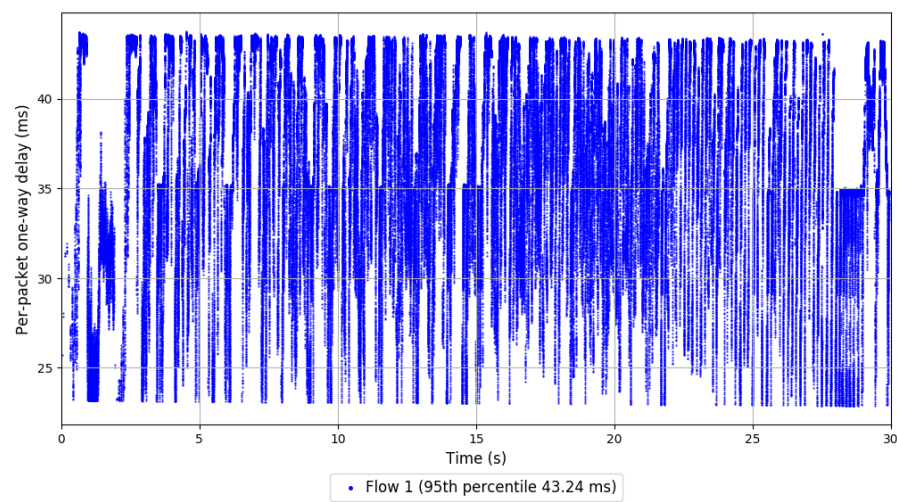
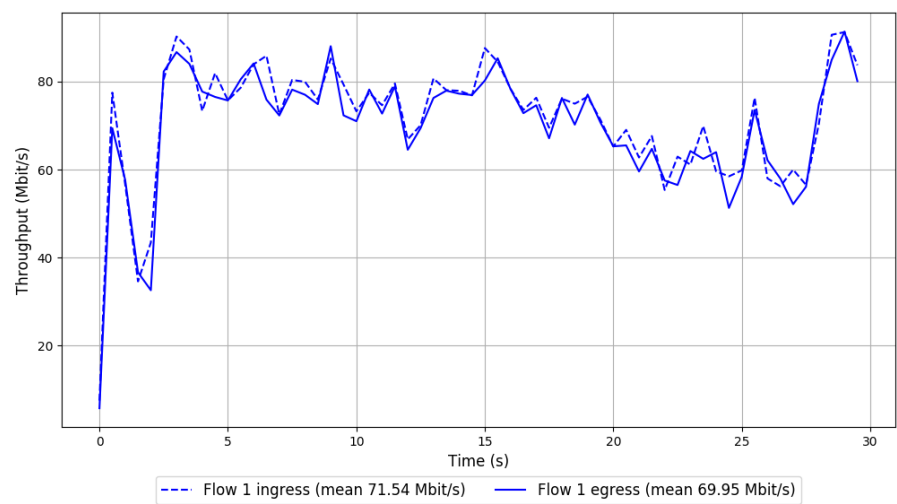


Run 10: Statistics of Verus

Start at: 2018-01-02 00:54:31
End at: 2018-01-02 00:55:01
Local clock offset: -7.691 ms
Remote clock offset: -0.526 ms

Below is generated by plot.py at 2018-01-02 04:46:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.95 Mbit/s
95th percentile per-packet one-way delay: 43.243 ms
Loss rate: 2.40%
-- Flow 1:
Average throughput: 69.95 Mbit/s
95th percentile per-packet one-way delay: 43.243 ms
Loss rate: 2.40%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

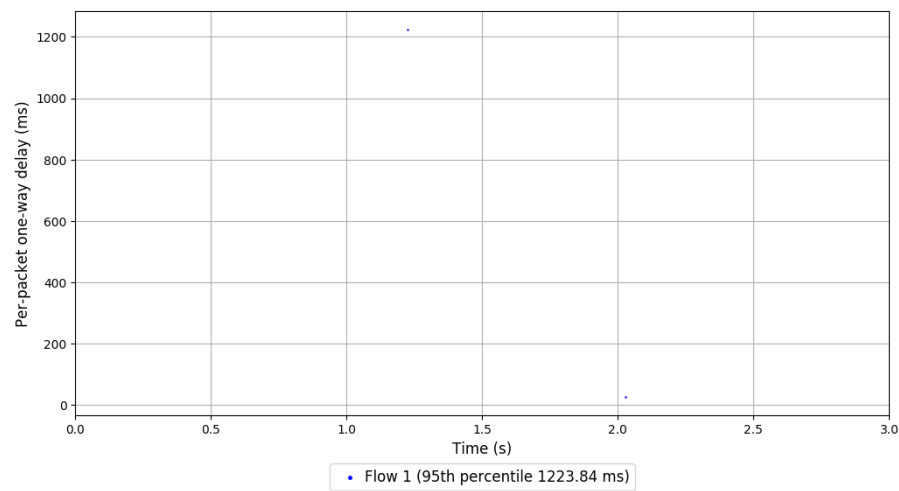
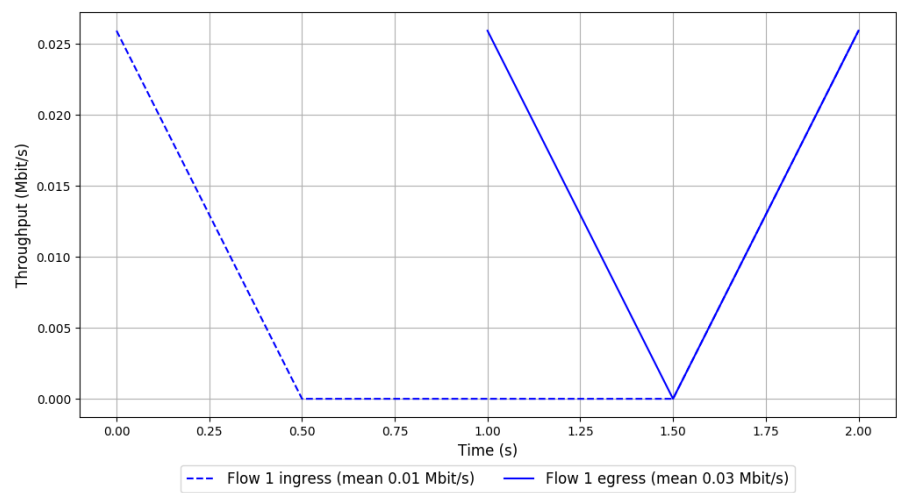
Start at: 2018-01-01 21:39:30

End at: 2018-01-01 21:40:00

Local clock offset: -7.468 ms

Remote clock offset: -0.636 ms

Run 1: Report of Copa — Data Link

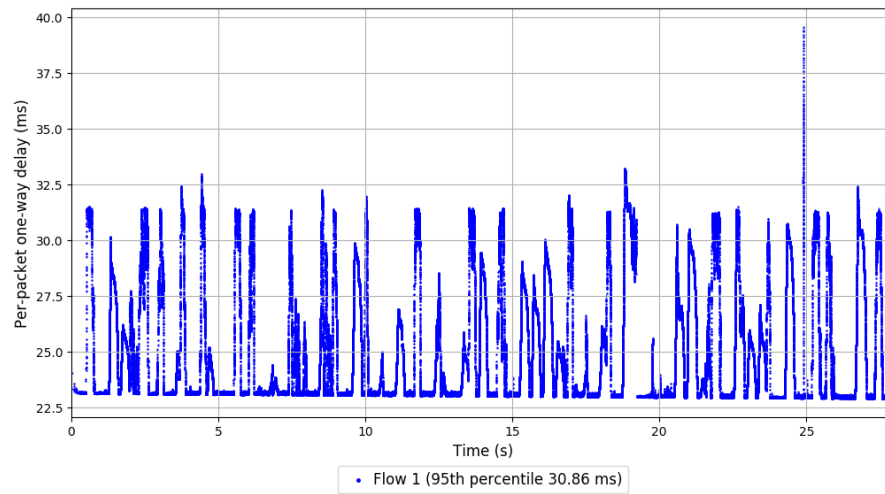
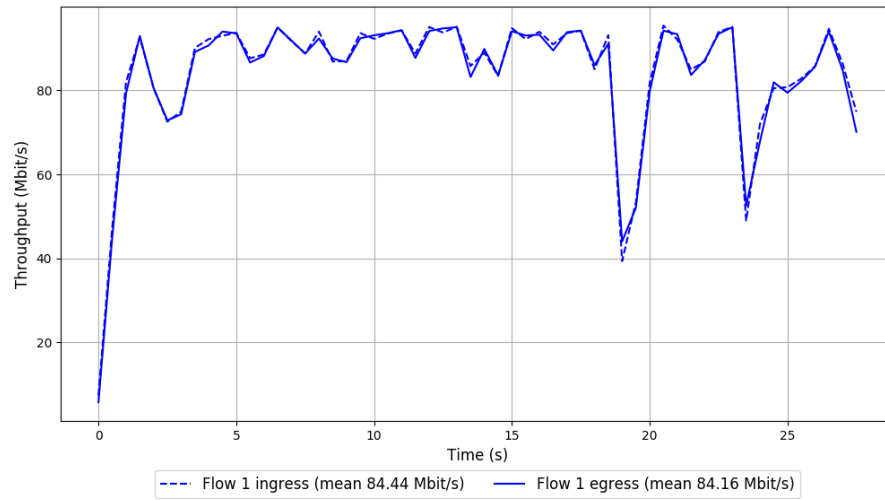


Run 2: Statistics of Copa

Start at: 2018-01-01 21:59:38
End at: 2018-01-01 22:00:08
Local clock offset: 0.145 ms
Remote clock offset: -1.369 ms

Below is generated by plot.py at 2018-01-02 04:47:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.16 Mbit/s
95th percentile per-packet one-way delay: 30.863 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 84.16 Mbit/s
95th percentile per-packet one-way delay: 30.863 ms
Loss rate: 0.52%

Run 2: Report of Copa — Data Link

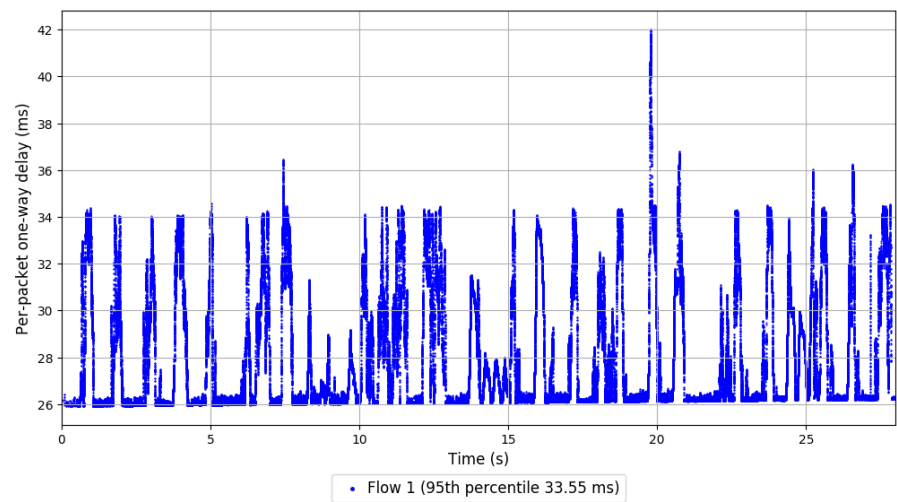
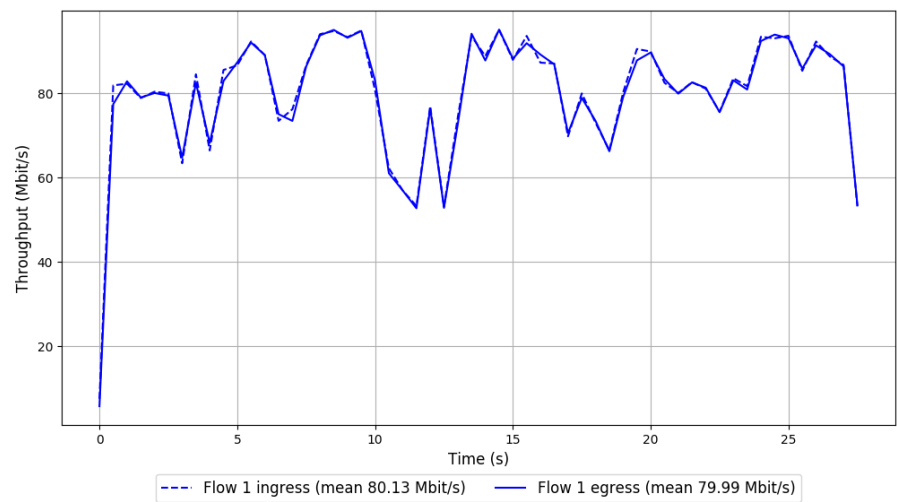


Run 3: Statistics of Copa

Start at: 2018-01-01 22:19:56
End at: 2018-01-01 22:20:26
Local clock offset: -10.543 ms
Remote clock offset: -4.113 ms

Below is generated by plot.py at 2018-01-02 04:47:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.99 Mbit/s
95th percentile per-packet one-way delay: 33.552 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 79.99 Mbit/s
95th percentile per-packet one-way delay: 33.552 ms
Loss rate: 0.37%

Run 3: Report of Copa — Data Link

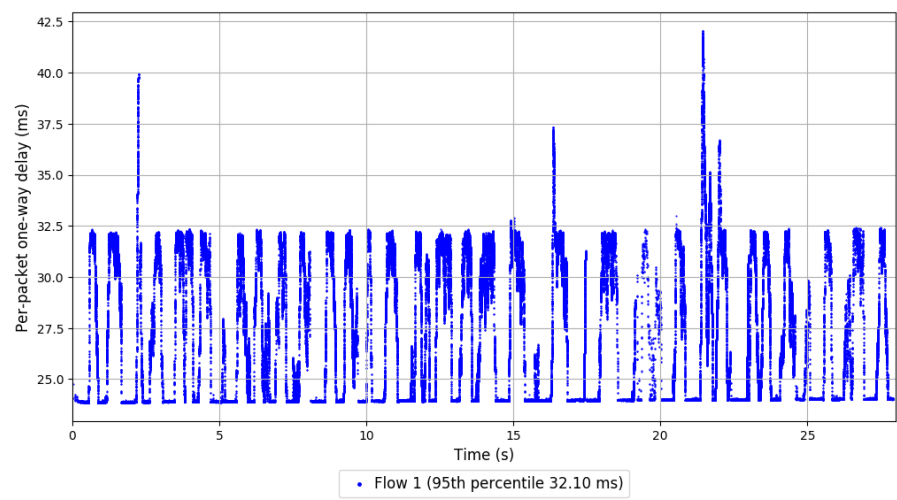
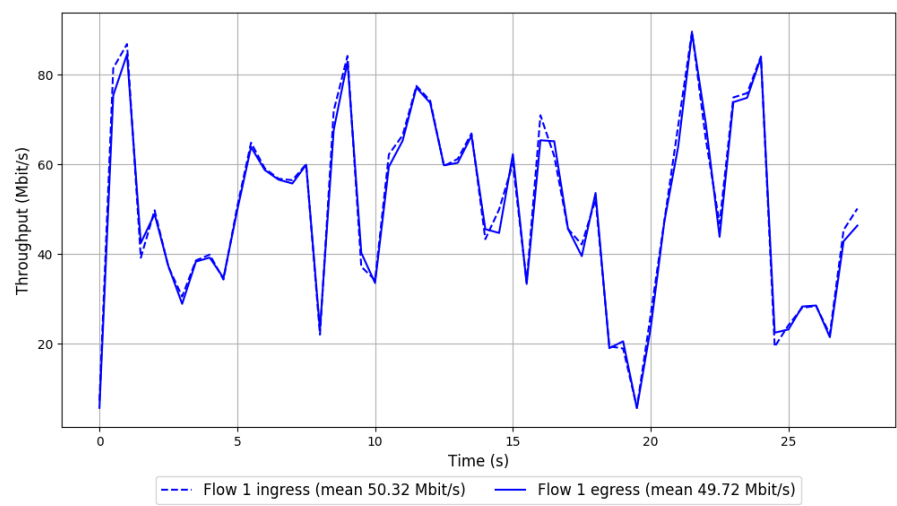


Run 4: Statistics of Copa

Start at: 2018-01-01 22:40:28
End at: 2018-01-01 22:40:58
Local clock offset: -13.824 ms
Remote clock offset: -2.365 ms

Below is generated by plot.py at 2018-01-02 04:47:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 49.72 Mbit/s
95th percentile per-packet one-way delay: 32.104 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 49.72 Mbit/s
95th percentile per-packet one-way delay: 32.104 ms
Loss rate: 1.39%

Run 4: Report of Copa — Data Link

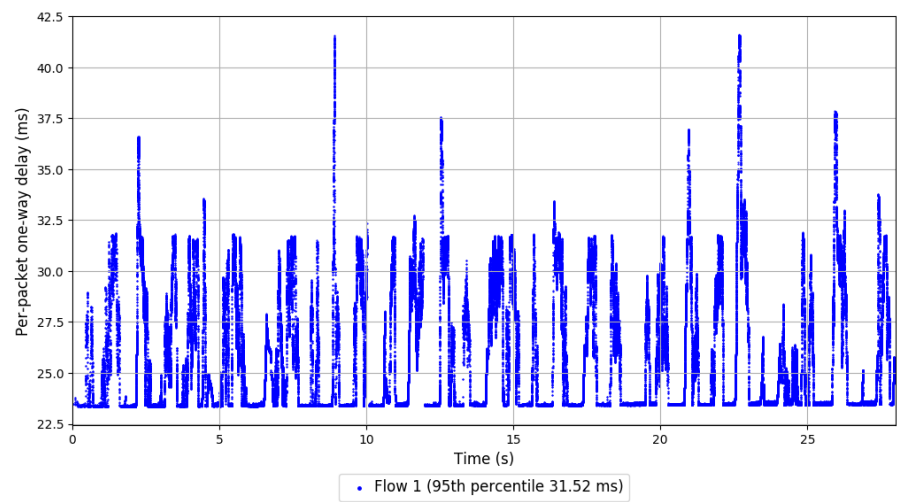
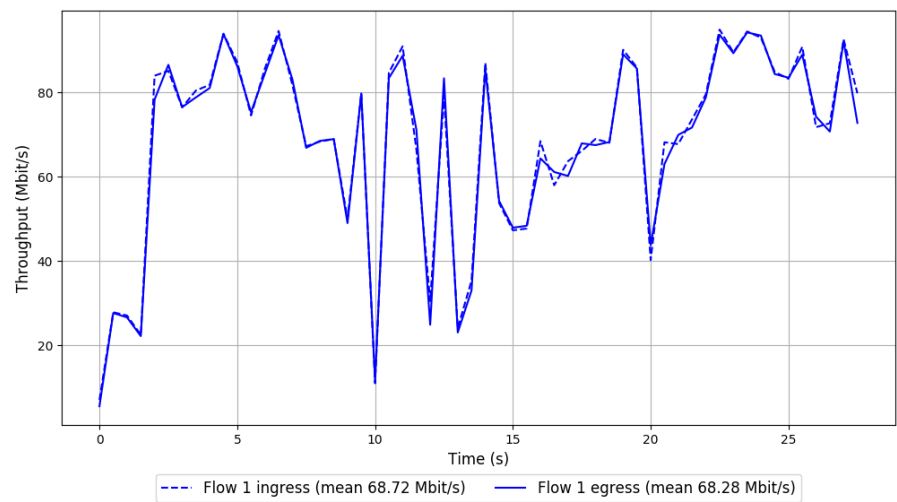


Run 5: Statistics of Copa

Start at: 2018-01-01 23:00:49
End at: 2018-01-01 23:01:19
Local clock offset: -18.864 ms
Remote clock offset: -1.021 ms

Below is generated by plot.py at 2018-01-02 04:47:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.28 Mbit/s
95th percentile per-packet one-way delay: 31.521 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 68.28 Mbit/s
95th percentile per-packet one-way delay: 31.521 ms
Loss rate: 0.83%

Run 5: Report of Copa — Data Link

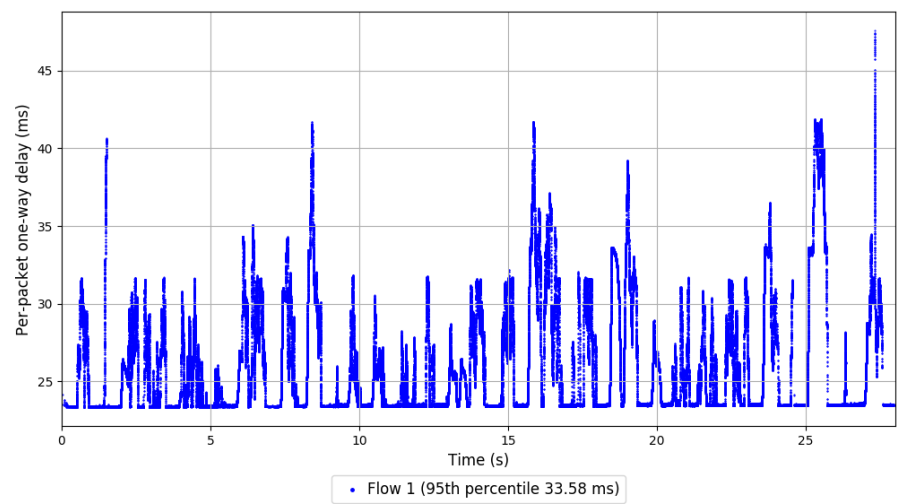
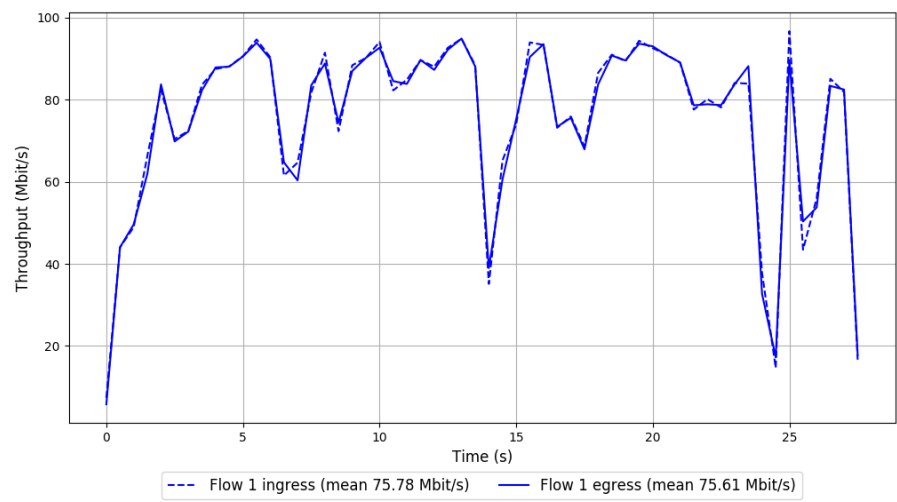


Run 6: Statistics of Copa

Start at: 2018-01-01 23:21:12
End at: 2018-01-01 23:21:42
Local clock offset: -22.929 ms
Remote clock offset: -0.293 ms

Below is generated by plot.py at 2018-01-02 04:47:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.61 Mbit/s
95th percentile per-packet one-way delay: 33.578 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 75.61 Mbit/s
95th percentile per-packet one-way delay: 33.578 ms
Loss rate: 0.41%

Run 6: Report of Copa — Data Link

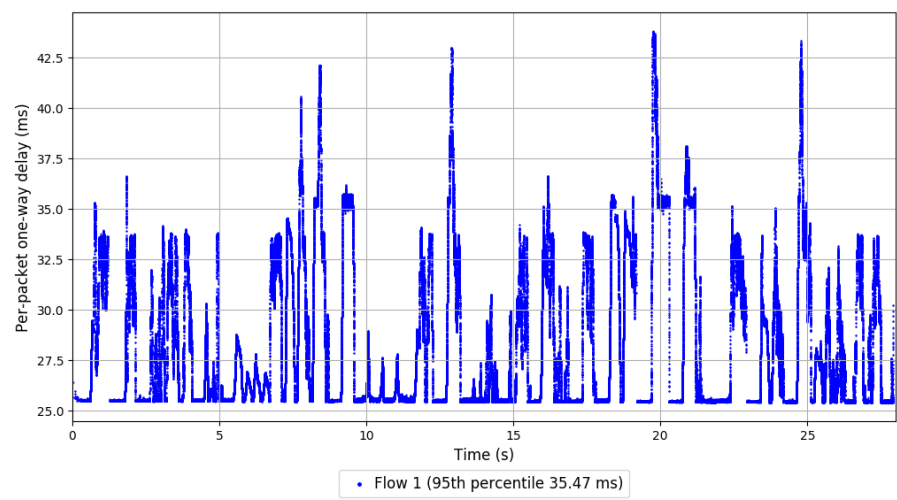
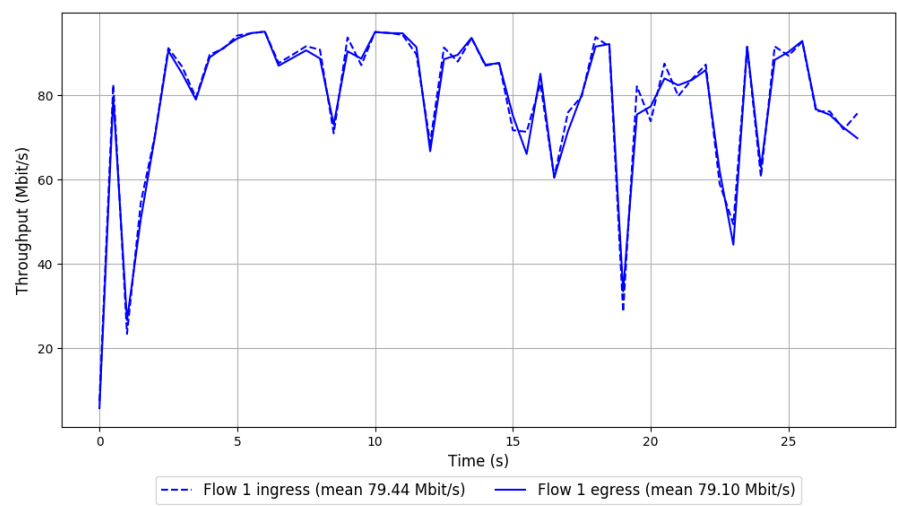


Run 7: Statistics of Copa

Start at: 2018-01-01 23:41:45
End at: 2018-01-01 23:42:15
Local clock offset: -27.355 ms
Remote clock offset: -2.671 ms

Below is generated by plot.py at 2018-01-02 04:47:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.10 Mbit/s
95th percentile per-packet one-way delay: 35.466 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 79.10 Mbit/s
95th percentile per-packet one-way delay: 35.466 ms
Loss rate: 0.63%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-01-02 00:02:14

End at: 2018-01-02 00:02:44

Local clock offset: -27.99 ms

Remote clock offset: -1.44 ms

Below is generated by plot.py at 2018-01-02 04:47:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.42 Mbit/s

95th percentile per-packet one-way delay: 32.015 ms

Loss rate: 0.82%

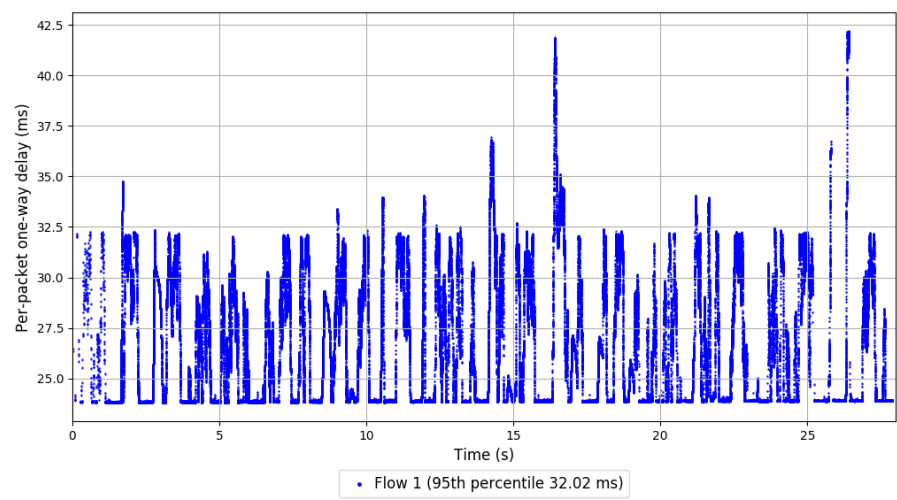
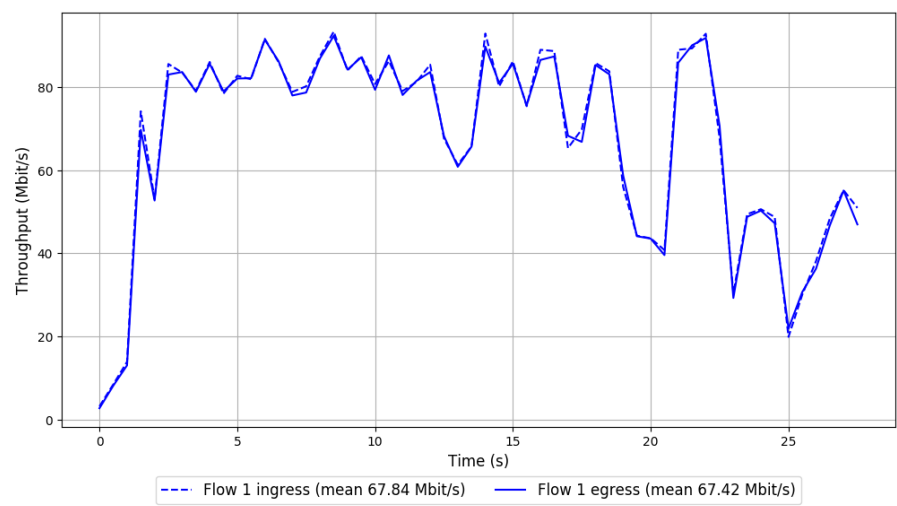
-- Flow 1:

Average throughput: 67.42 Mbit/s

95th percentile per-packet one-way delay: 32.015 ms

Loss rate: 0.82%

Run 8: Report of Copa — Data Link

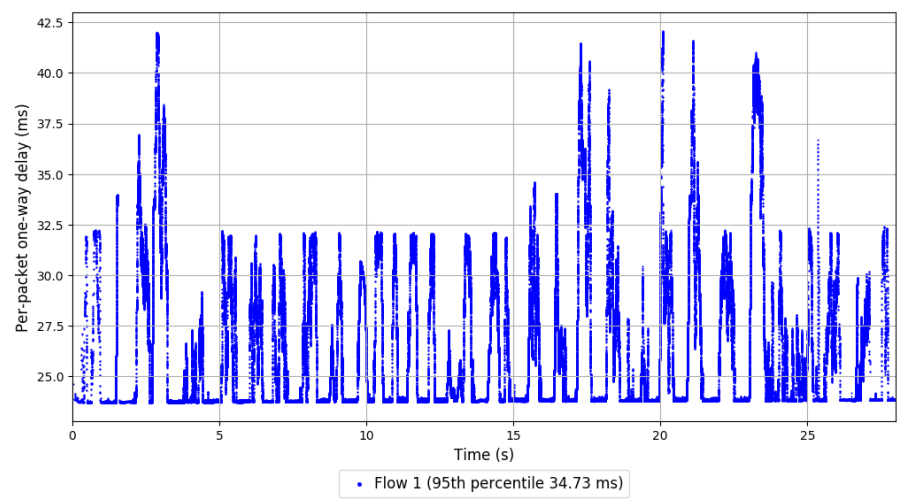
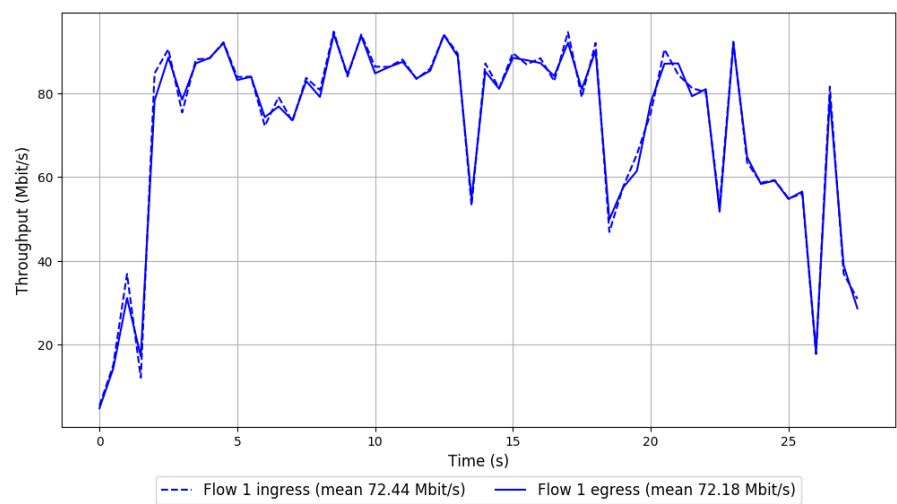


Run 9: Statistics of Copa

Start at: 2018-01-02 00:22:42
End at: 2018-01-02 00:23:12
Local clock offset: -32.287 ms
Remote clock offset: -1.833 ms

Below is generated by plot.py at 2018-01-02 04:48:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.18 Mbit/s
95th percentile per-packet one-way delay: 34.725 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 72.18 Mbit/s
95th percentile per-packet one-way delay: 34.725 ms
Loss rate: 0.54%

Run 9: Report of Copa — Data Link

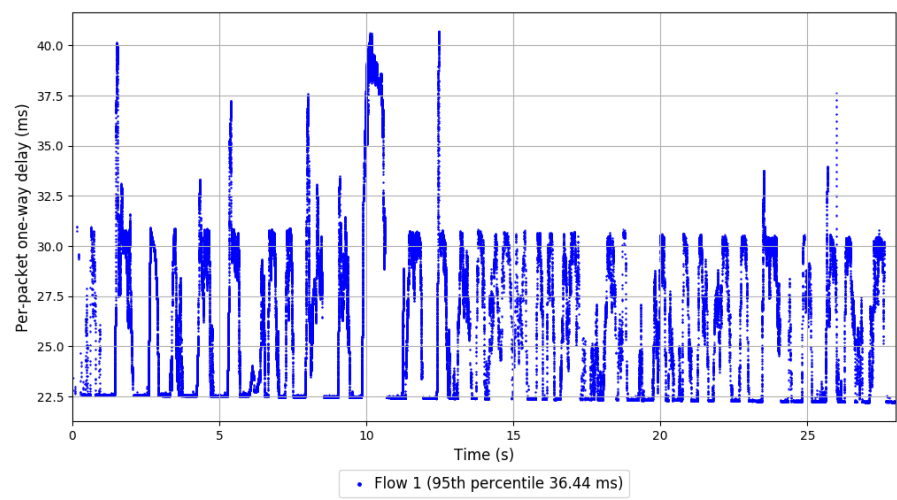
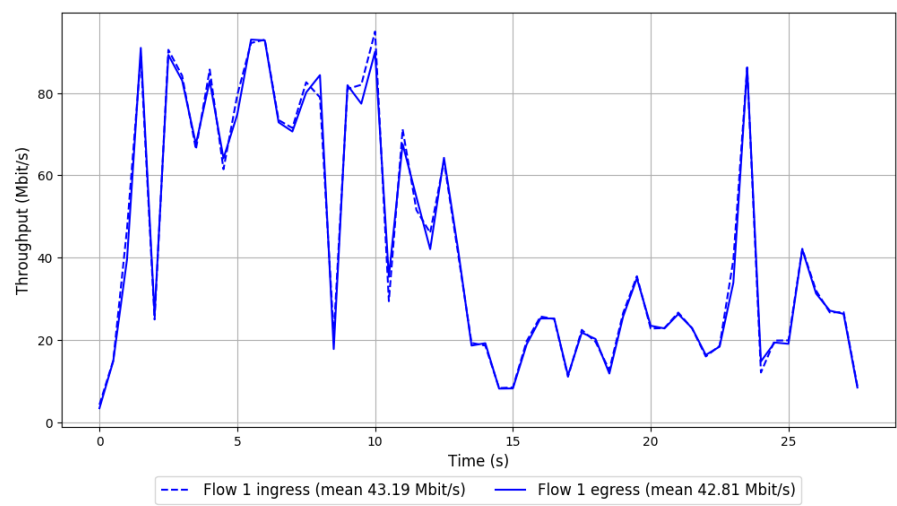


Run 10: Statistics of Copa

Start at: 2018-01-02 00:43:08
End at: 2018-01-02 00:43:38
Local clock offset: -24.779 ms
Remote clock offset: -0.719 ms

Below is generated by plot.py at 2018-01-02 04:48:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 42.81 Mbit/s
95th percentile per-packet one-way delay: 36.439 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 42.81 Mbit/s
95th percentile per-packet one-way delay: 36.439 ms
Loss rate: 1.09%

Run 10: Report of Copa — Data Link

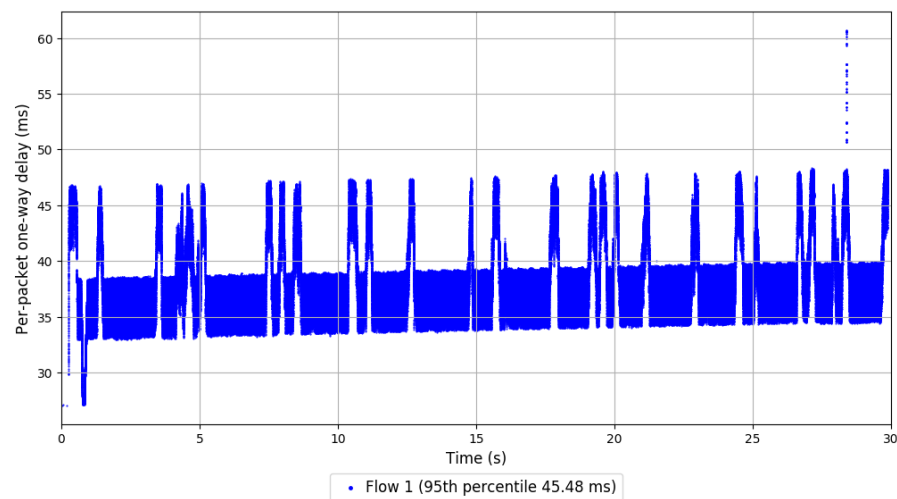
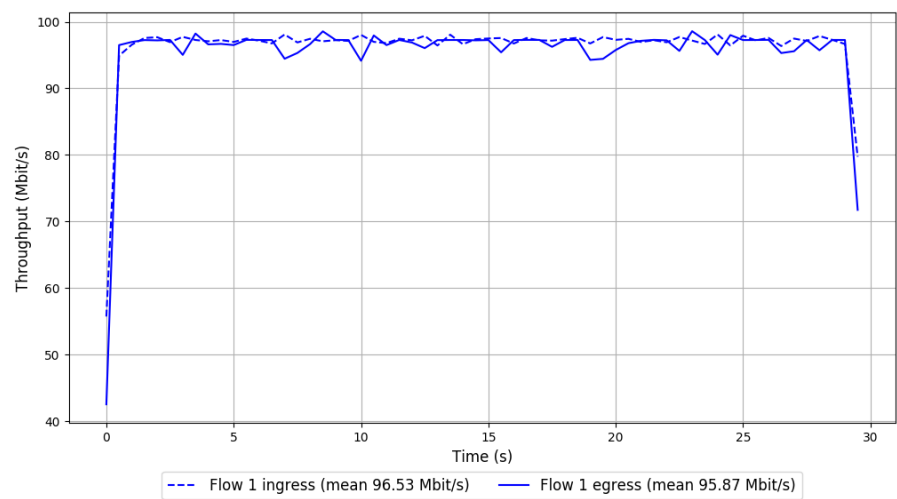


Run 1: Statistics of FillP

Start at: 2018-01-01 21:38:09
End at: 2018-01-01 21:38:39
Local clock offset: -3.506 ms
Remote clock offset: -3.254 ms

Below is generated by plot.py at 2018-01-02 04:48:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.87 Mbit/s
95th percentile per-packet one-way delay: 45.481 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 95.87 Mbit/s
95th percentile per-packet one-way delay: 45.481 ms
Loss rate: 0.86%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-01-01 21:58:17

End at: 2018-01-01 21:58:47

Local clock offset: -1.547 ms

Remote clock offset: -1.48 ms

Below is generated by plot.py at 2018-01-02 04:49:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.09 Mbit/s

95th percentile per-packet one-way delay: 39.361 ms

Loss rate: 0.65%

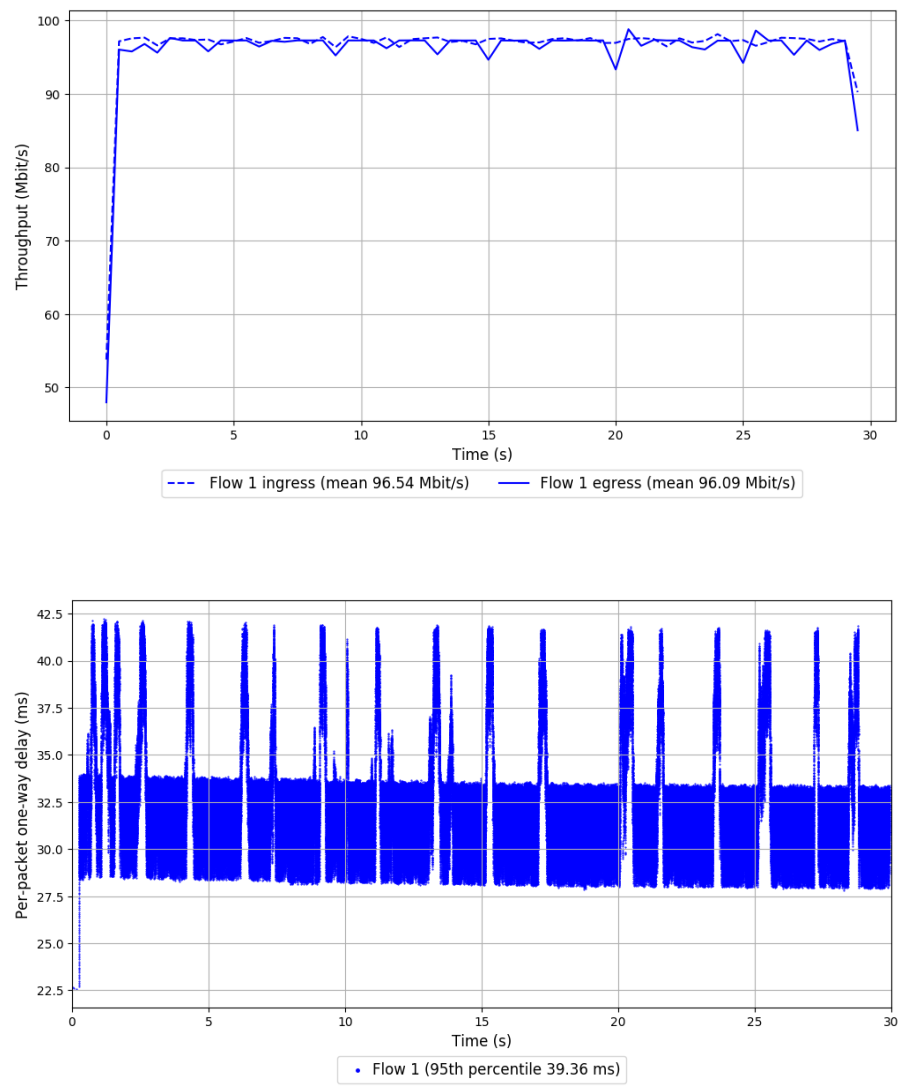
-- Flow 1:

Average throughput: 96.09 Mbit/s

95th percentile per-packet one-way delay: 39.361 ms

Loss rate: 0.65%

Run 2: Report of FillP — Data Link

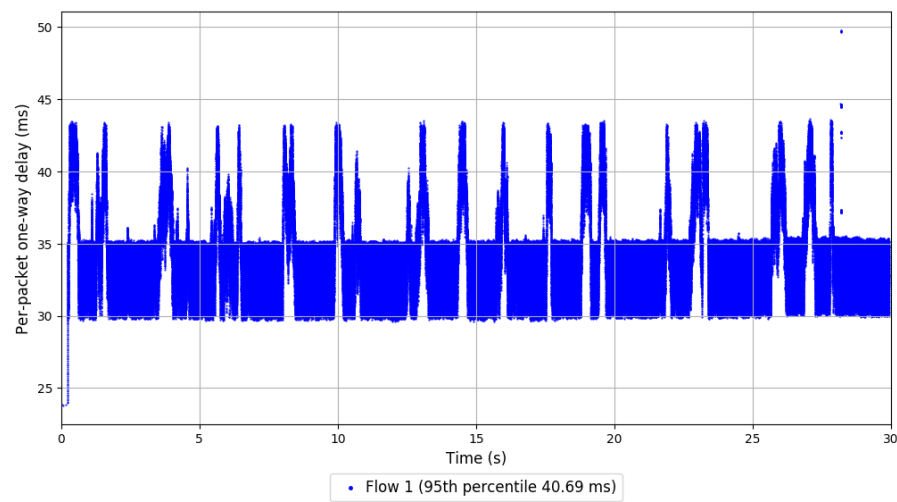
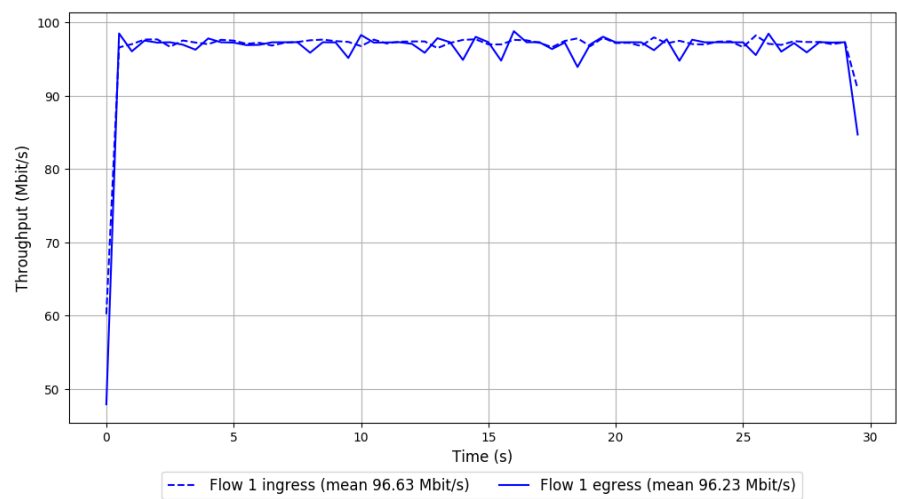


Run 3: Statistics of FillP

Start at: 2018-01-01 22:18:35
End at: 2018-01-01 22:19:05
Local clock offset: -9.671 ms
Remote clock offset: -2.011 ms

Below is generated by plot.py at 2018-01-02 04:49:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 40.693 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 40.693 ms
Loss rate: 0.61%

Run 3: Report of FillP — Data Link

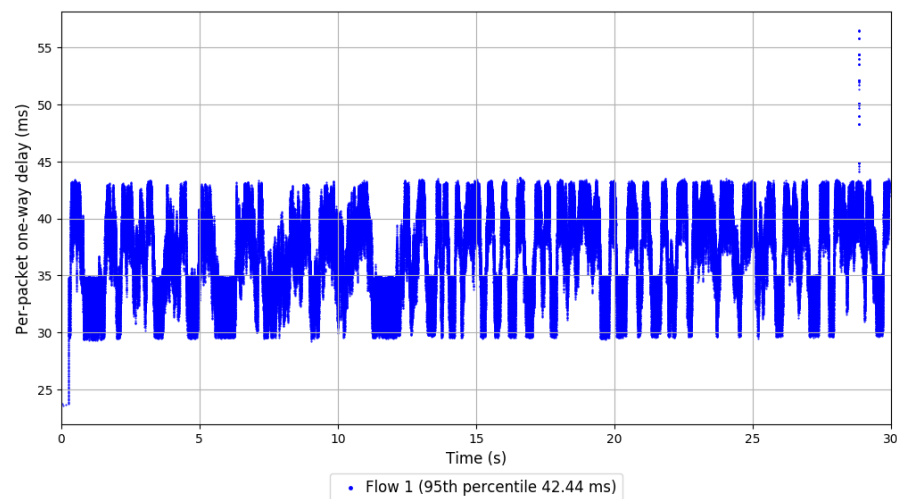
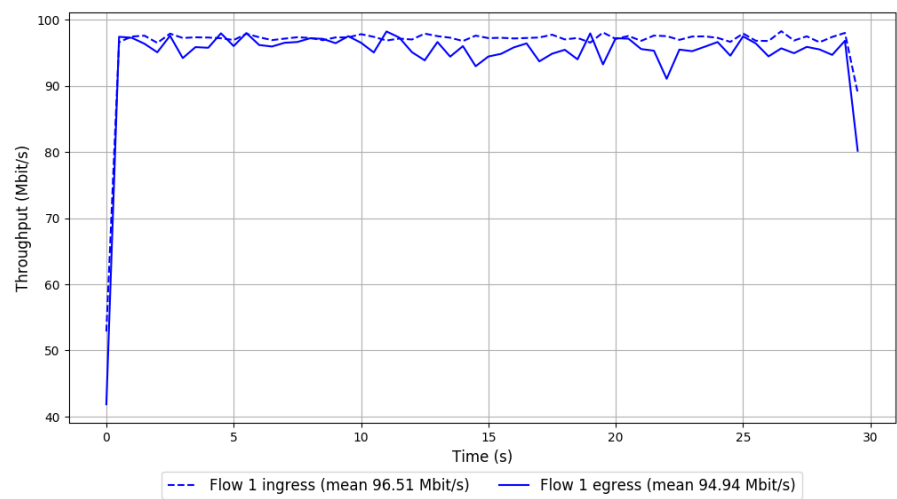


Run 4: Statistics of FillP

Start at: 2018-01-01 22:39:00
End at: 2018-01-01 22:39:30
Local clock offset: -13.349 ms
Remote clock offset: -2.293 ms

Below is generated by plot.py at 2018-01-02 04:49:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.94 Mbit/s
95th percentile per-packet one-way delay: 42.444 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 94.94 Mbit/s
95th percentile per-packet one-way delay: 42.444 ms
Loss rate: 1.80%

Run 4: Report of FillP — Data Link

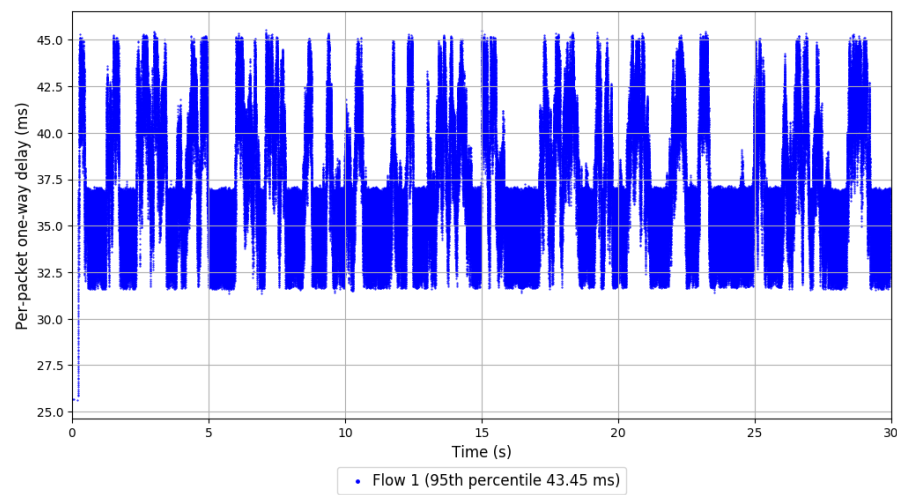
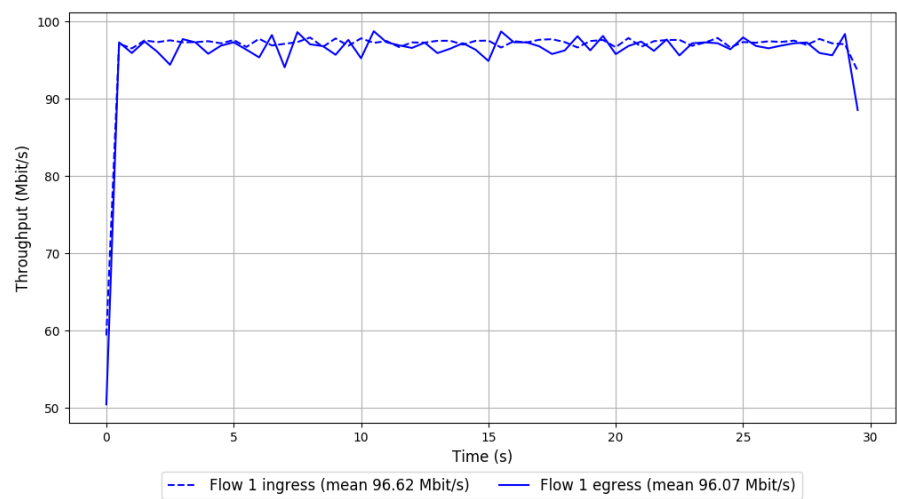


Run 5: Statistics of FillP

Start at: 2018-01-01 22:59:27
End at: 2018-01-01 22:59:57
Local clock offset: -18.75 ms
Remote clock offset: -3.651 ms

Below is generated by plot.py at 2018-01-02 04:49:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.07 Mbit/s
95th percentile per-packet one-way delay: 43.455 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 96.07 Mbit/s
95th percentile per-packet one-way delay: 43.455 ms
Loss rate: 0.75%

Run 5: Report of FillP — Data Link

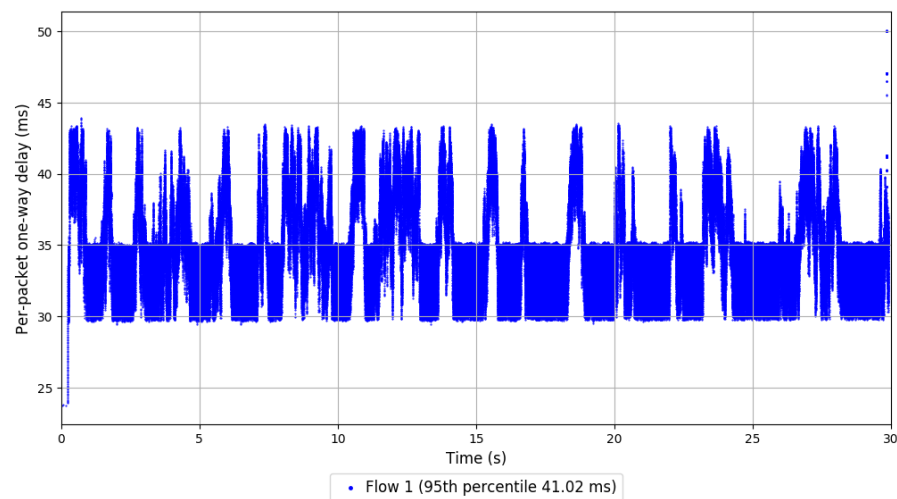
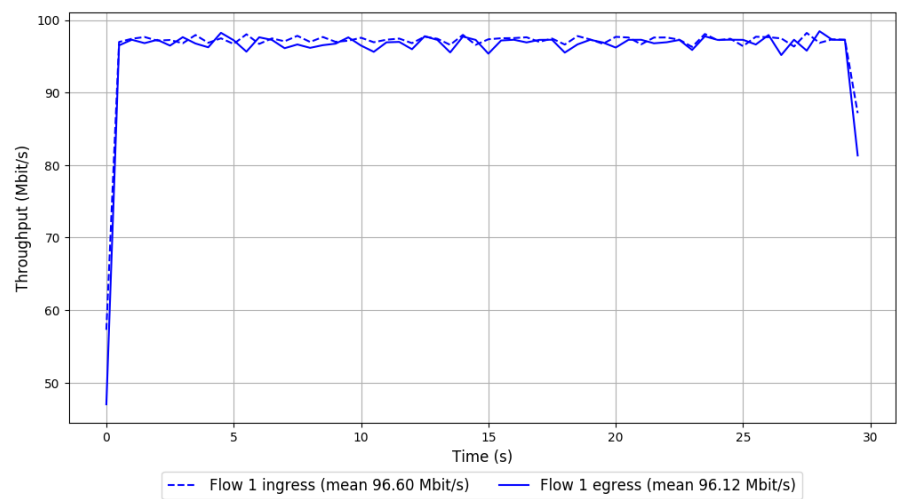


Run 6: Statistics of FillP

Start at: 2018-01-01 23:19:50
End at: 2018-01-01 23:20:20
Local clock offset: -22.607 ms
Remote clock offset: -0.849 ms

Below is generated by plot.py at 2018-01-02 04:49:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.12 Mbit/s
95th percentile per-packet one-way delay: 41.016 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 96.12 Mbit/s
95th percentile per-packet one-way delay: 41.016 ms
Loss rate: 0.68%

Run 6: Report of FillP — Data Link

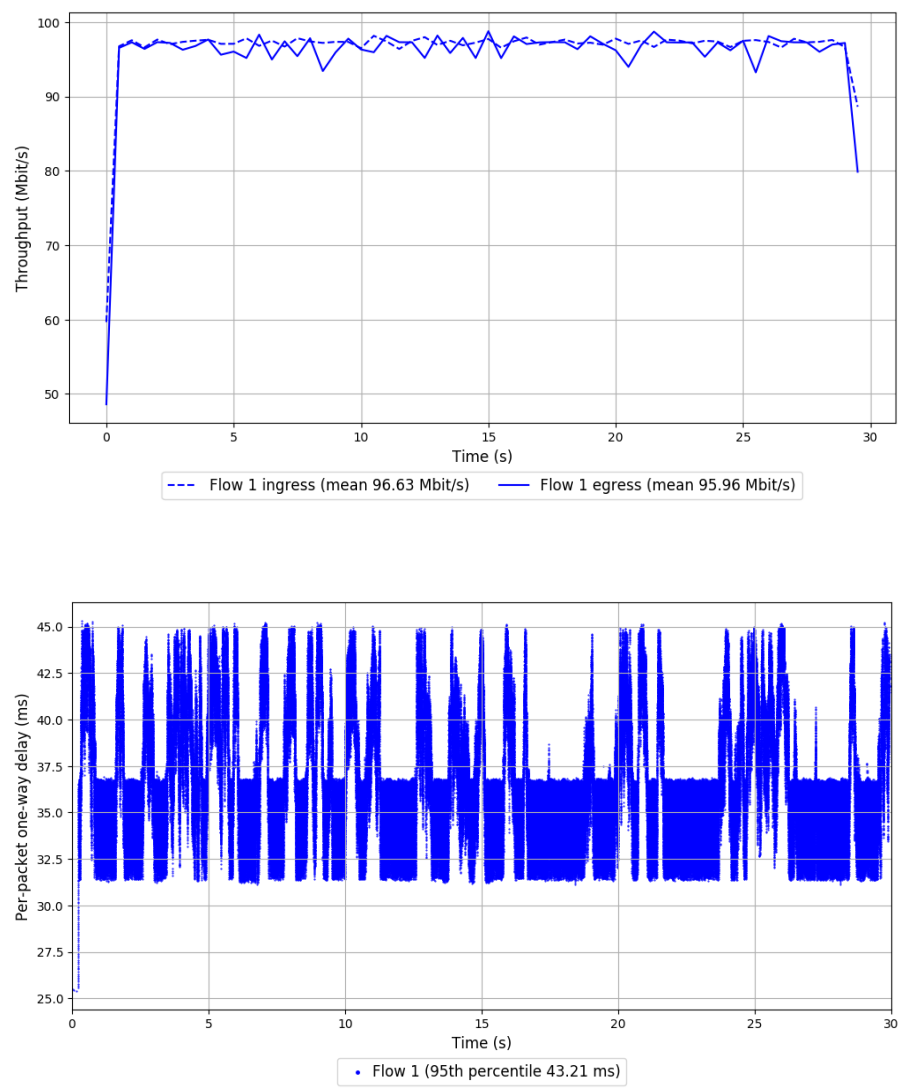


Run 7: Statistics of FillP

Start at: 2018-01-01 23:40:23
End at: 2018-01-01 23:40:53
Local clock offset: -27.336 ms
Remote clock offset: -2.665 ms

Below is generated by plot.py at 2018-01-02 04:49:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.96 Mbit/s
95th percentile per-packet one-way delay: 43.209 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 95.96 Mbit/s
95th percentile per-packet one-way delay: 43.209 ms
Loss rate: 0.88%

Run 7: Report of FillP — Data Link

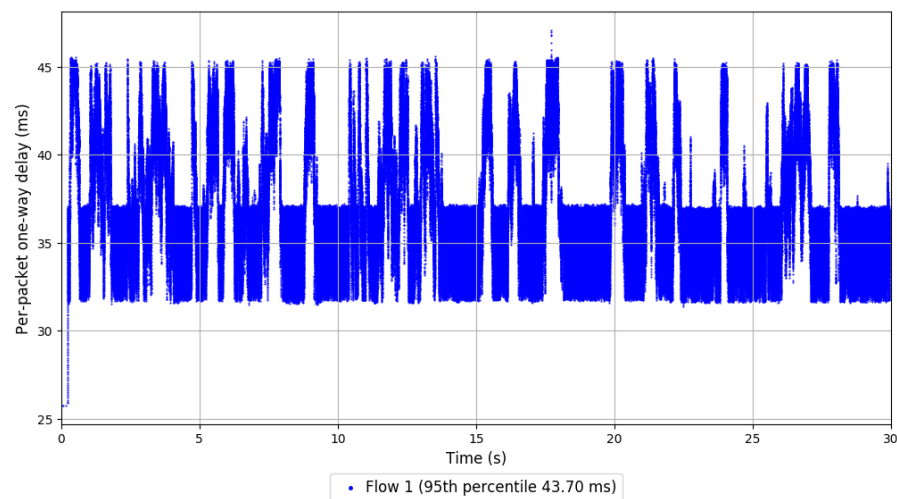
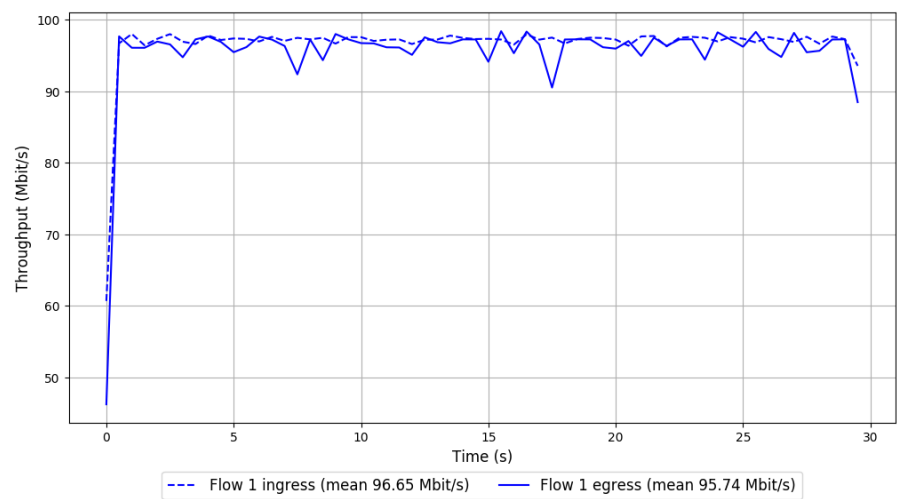


Run 8: Statistics of FillP

Start at: 2018-01-02 00:00:53
End at: 2018-01-02 00:01:23
Local clock offset: -27.747 ms
Remote clock offset: -3.485 ms

Below is generated by plot.py at 2018-01-02 04:49:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.74 Mbit/s
95th percentile per-packet one-way delay: 43.705 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 95.74 Mbit/s
95th percentile per-packet one-way delay: 43.705 ms
Loss rate: 1.13%

Run 8: Report of FillP — Data Link

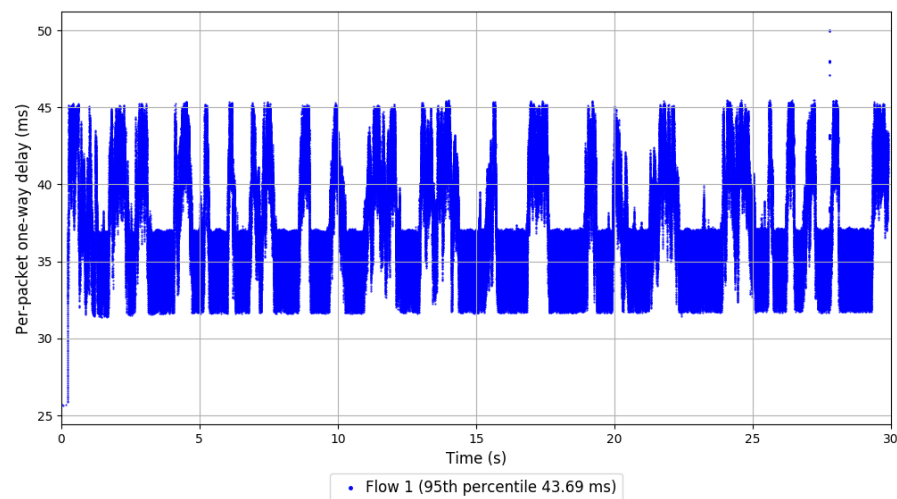
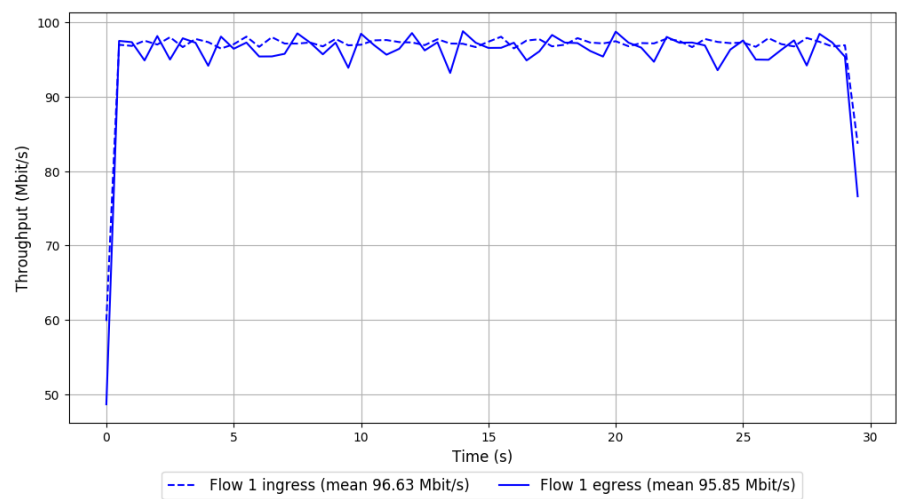


Run 9: Statistics of FillP

Start at: 2018-01-02 00:21:19
End at: 2018-01-02 00:21:49
Local clock offset: -32.07 ms
Remote clock offset: -4.023 ms

Below is generated by plot.py at 2018-01-02 04:50:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.85 Mbit/s
95th percentile per-packet one-way delay: 43.685 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 95.85 Mbit/s
95th percentile per-packet one-way delay: 43.685 ms
Loss rate: 1.00%

Run 9: Report of FillP — Data Link

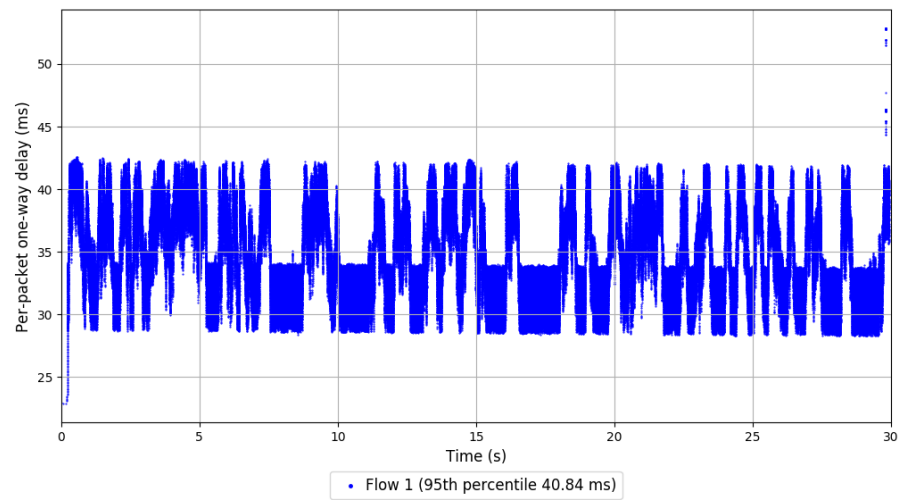
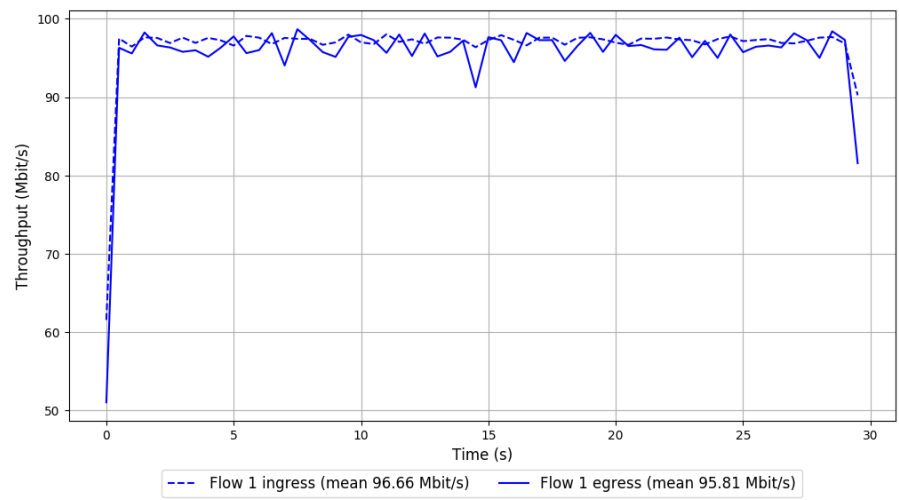


Run 10: Statistics of FillP

Start at: 2018-01-02 00:41:44
End at: 2018-01-02 00:42:14
Local clock offset: -26.106 ms
Remote clock offset: -1.246 ms

Below is generated by plot.py at 2018-01-02 04:50:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.81 Mbit/s
95th percentile per-packet one-way delay: 40.842 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 95.81 Mbit/s
95th percentile per-packet one-way delay: 40.842 ms
Loss rate: 1.07%

Run 10: Report of FillP — Data Link

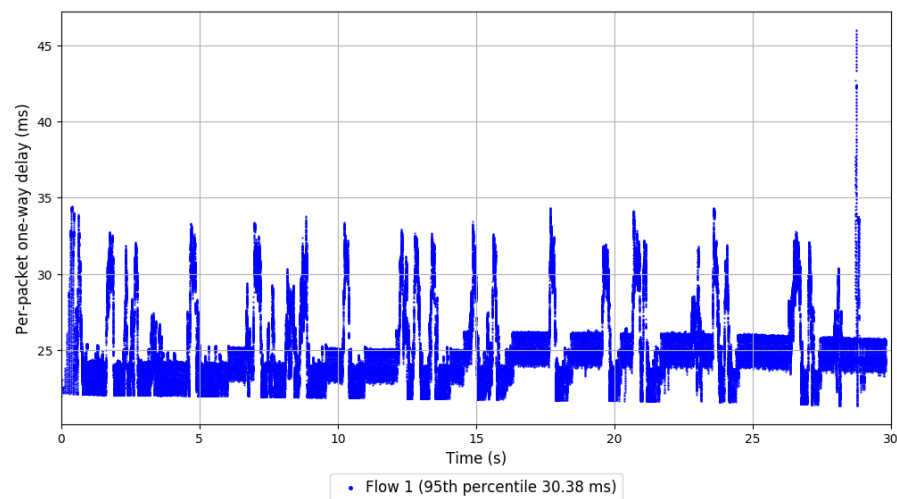
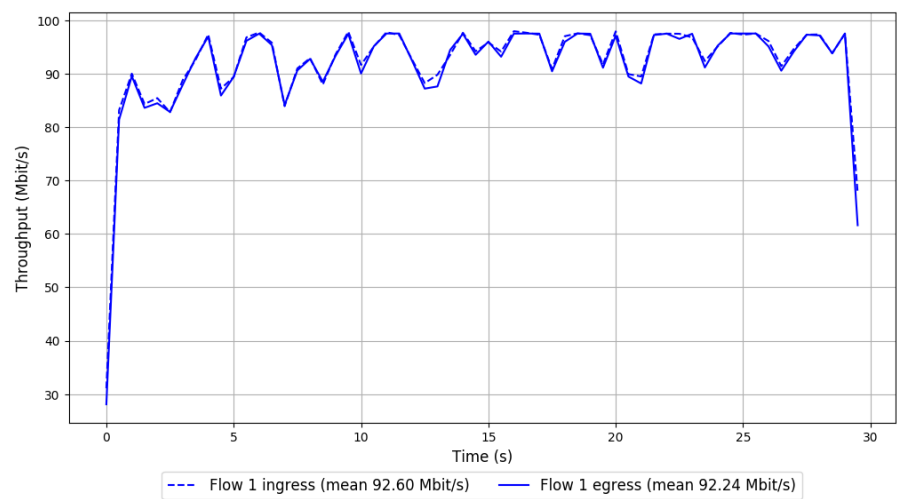


```
Run 1: Statistics of Indigo

Start at: 2018-01-01 21:51:28
End at: 2018-01-01 21:51:58
Local clock offset: -17.152 ms
Remote clock offset: -0.833 ms

# Below is generated by plot.py at 2018-01-02 04:50:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.24 Mbit/s
95th percentile per-packet one-way delay: 30.382 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 92.24 Mbit/s
95th percentile per-packet one-way delay: 30.382 ms
Loss rate: 0.56%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-01-01 22:11:55

End at: 2018-01-01 22:12:25

Local clock offset: -6.057 ms

Remote clock offset: -1.82 ms

Below is generated by plot.py at 2018-01-02 04:50:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.39 Mbit/s

95th percentile per-packet one-way delay: 33.081 ms

Loss rate: 0.57%

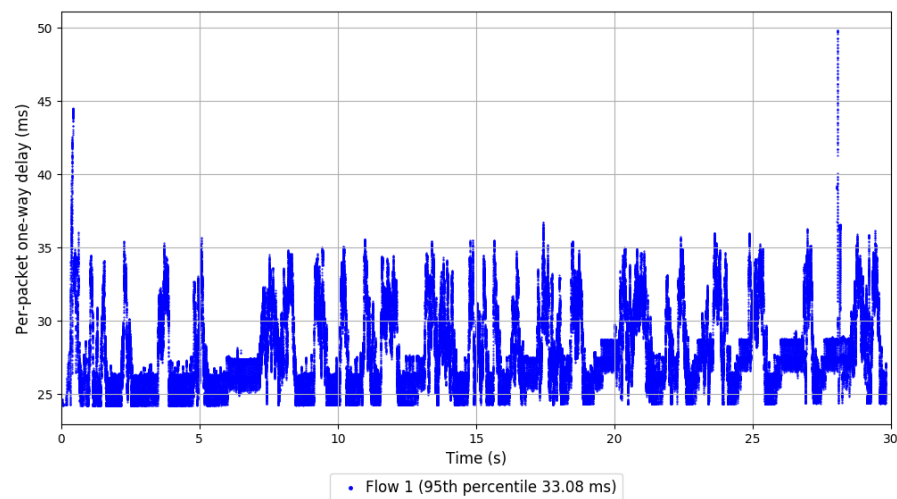
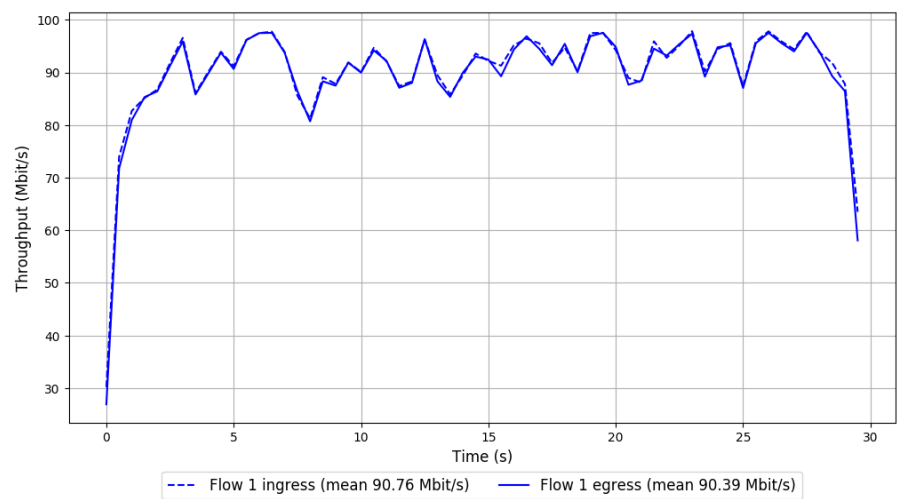
-- Flow 1:

Average throughput: 90.39 Mbit/s

95th percentile per-packet one-way delay: 33.081 ms

Loss rate: 0.57%

Run 2: Report of Indigo — Data Link

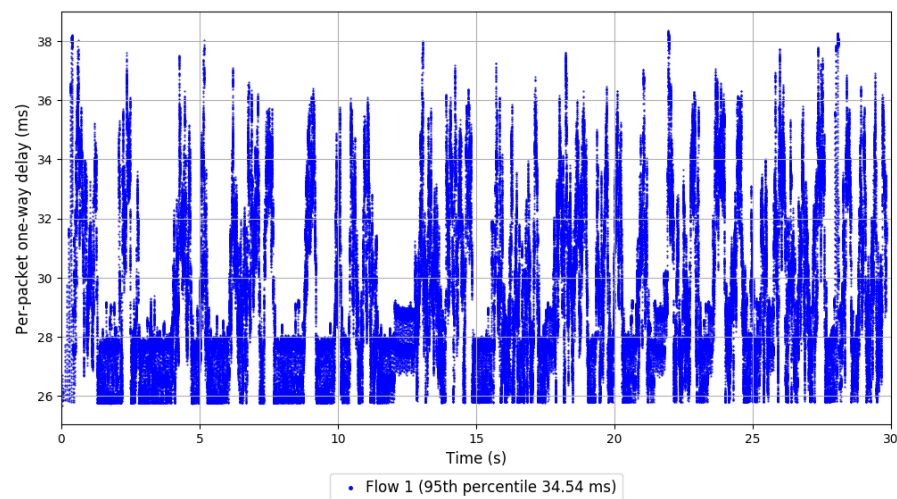
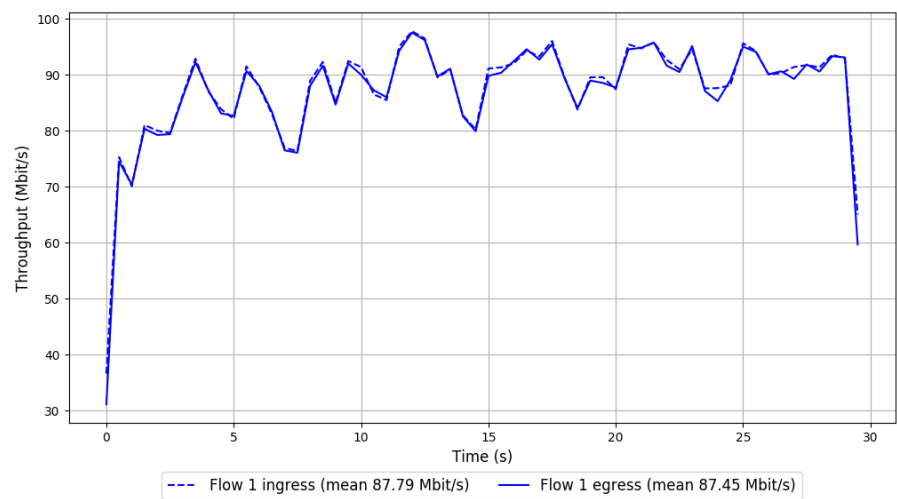


Run 3: Statistics of Indigo

Start at: 2018-01-01 22:32:10
End at: 2018-01-01 22:32:40
Local clock offset: -12.168 ms
Remote clock offset: -4.456 ms

Below is generated by plot.py at 2018-01-02 04:50:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.45 Mbit/s
95th percentile per-packet one-way delay: 34.544 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 87.45 Mbit/s
95th percentile per-packet one-way delay: 34.544 ms
Loss rate: 0.56%

Run 3: Report of Indigo — Data Link

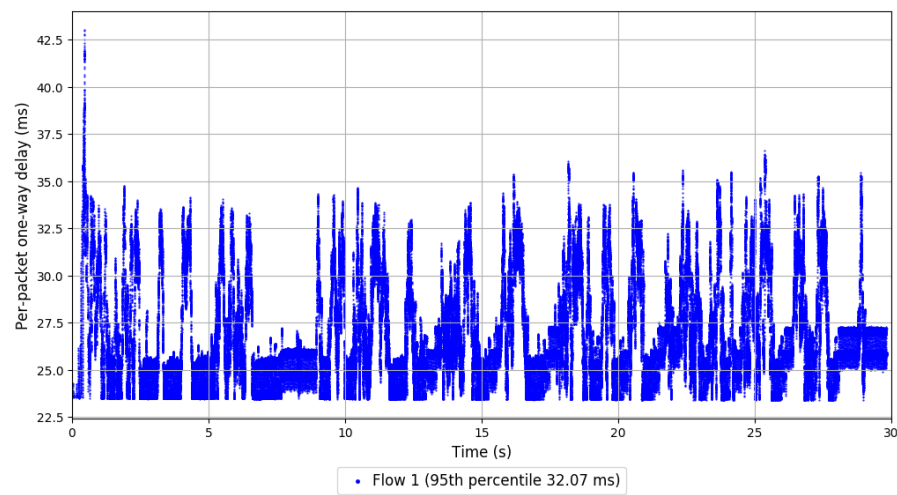
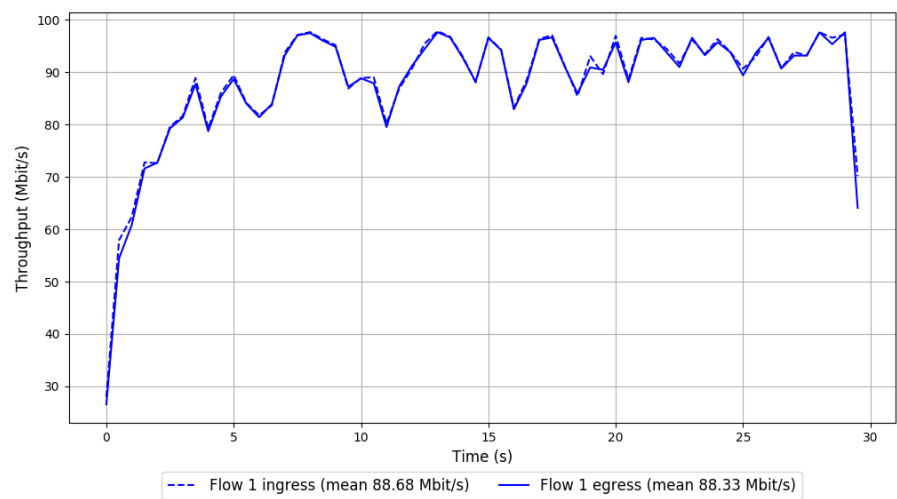


Run 4: Statistics of Indigo

Start at: 2018-01-01 22:52:52
End at: 2018-01-01 22:53:22
Local clock offset: -19.172 ms
Remote clock offset: -1.766 ms

Below is generated by plot.py at 2018-01-02 04:50:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.33 Mbit/s
95th percentile per-packet one-way delay: 32.066 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 88.33 Mbit/s
95th percentile per-packet one-way delay: 32.066 ms
Loss rate: 0.56%

Run 4: Report of Indigo — Data Link

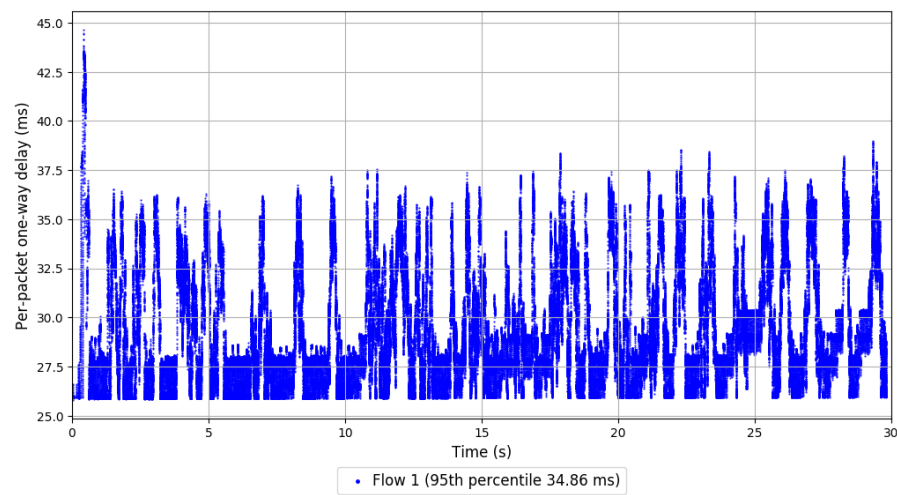
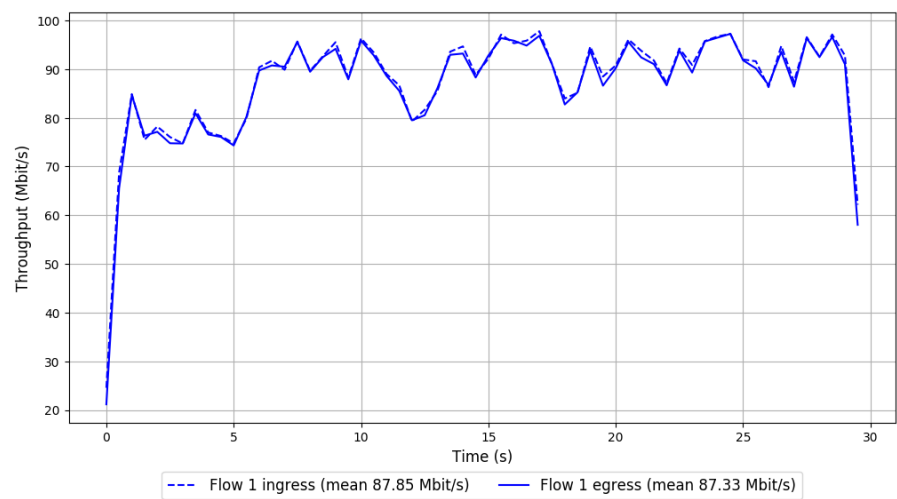


Run 5: Statistics of Indigo

Start at: 2018-01-01 23:13:08
End at: 2018-01-01 23:13:38
Local clock offset: -21.394 ms
Remote clock offset: -3.151 ms

Below is generated by plot.py at 2018-01-02 04:50:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.33 Mbit/s
95th percentile per-packet one-way delay: 34.864 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 87.33 Mbit/s
95th percentile per-packet one-way delay: 34.864 ms
Loss rate: 0.76%

Run 5: Report of Indigo — Data Link

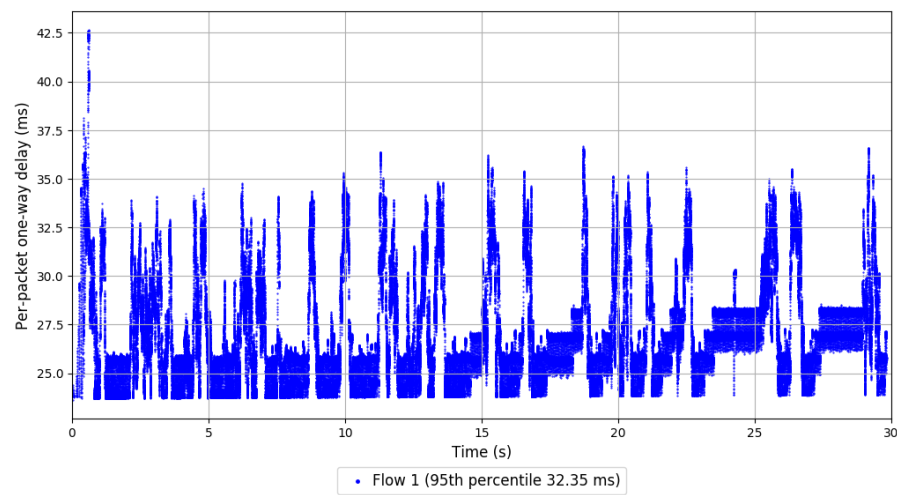
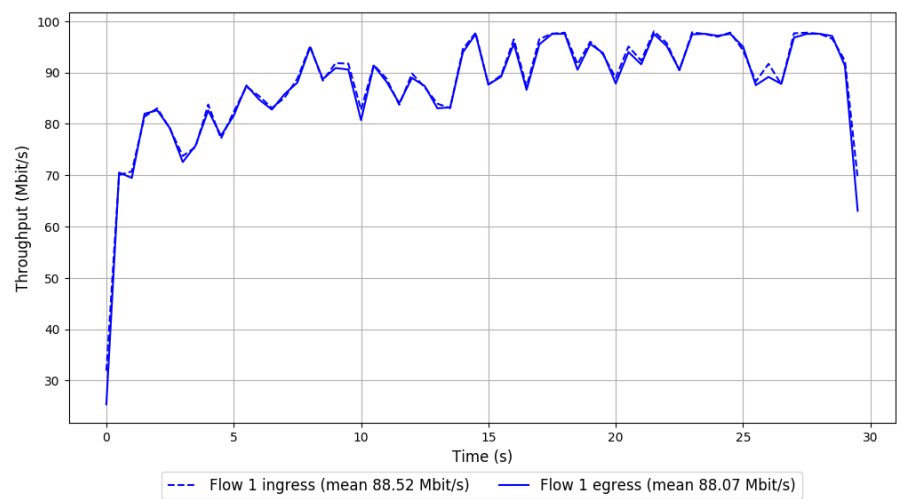


Run 6: Statistics of Indigo

Start at: 2018-01-01 23:33:38
End at: 2018-01-01 23:34:08
Local clock offset: -26.851 ms
Remote clock offset: -0.62 ms

Below is generated by plot.py at 2018-01-02 04:51:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.07 Mbit/s
95th percentile per-packet one-way delay: 32.353 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 88.07 Mbit/s
95th percentile per-packet one-way delay: 32.353 ms
Loss rate: 0.68%

Run 6: Report of Indigo — Data Link

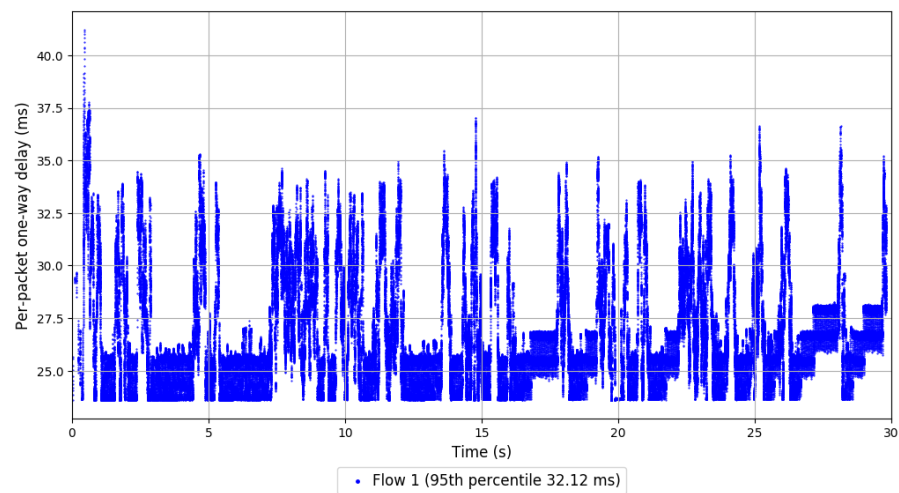
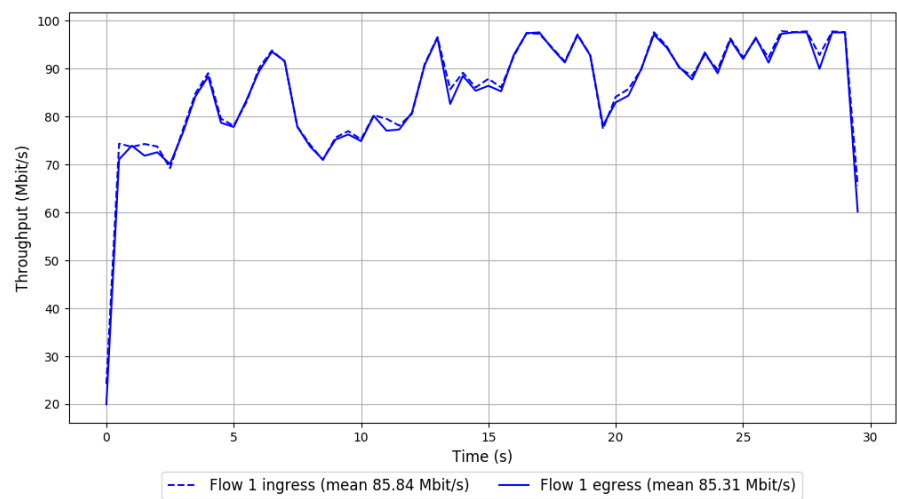


Run 7: Statistics of Indigo

Start at: 2018-01-01 23:54:13
End at: 2018-01-01 23:54:43
Local clock offset: -26.829 ms
Remote clock offset: -1.032 ms

Below is generated by plot.py at 2018-01-02 04:51:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.31 Mbit/s
95th percentile per-packet one-way delay: 32.117 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 85.31 Mbit/s
95th percentile per-packet one-way delay: 32.117 ms
Loss rate: 0.78%

Run 7: Report of Indigo — Data Link

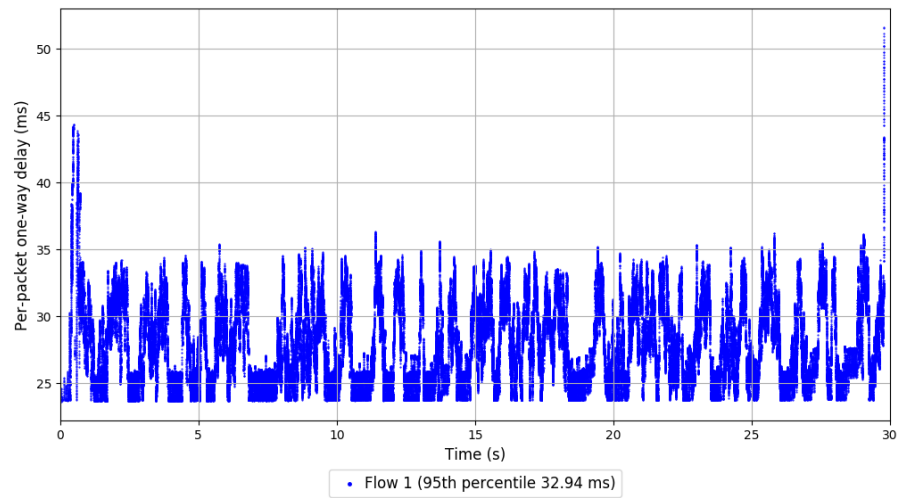
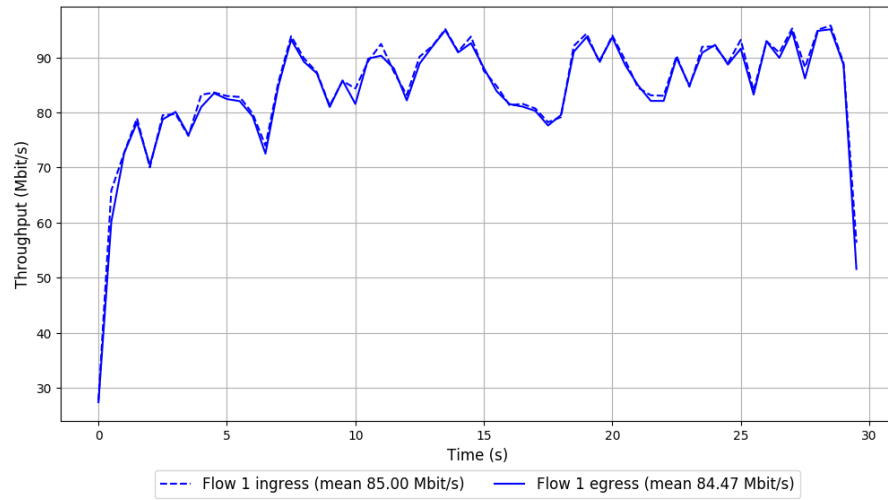


Run 8: Statistics of Indigo

Start at: 2018-01-02 00:14:28
End at: 2018-01-02 00:14:58
Local clock offset: -30.56 ms
Remote clock offset: -1.826 ms

Below is generated by plot.py at 2018-01-02 04:51:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.47 Mbit/s
95th percentile per-packet one-way delay: 32.937 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 84.47 Mbit/s
95th percentile per-packet one-way delay: 32.937 ms
Loss rate: 0.80%

Run 8: Report of Indigo — Data Link

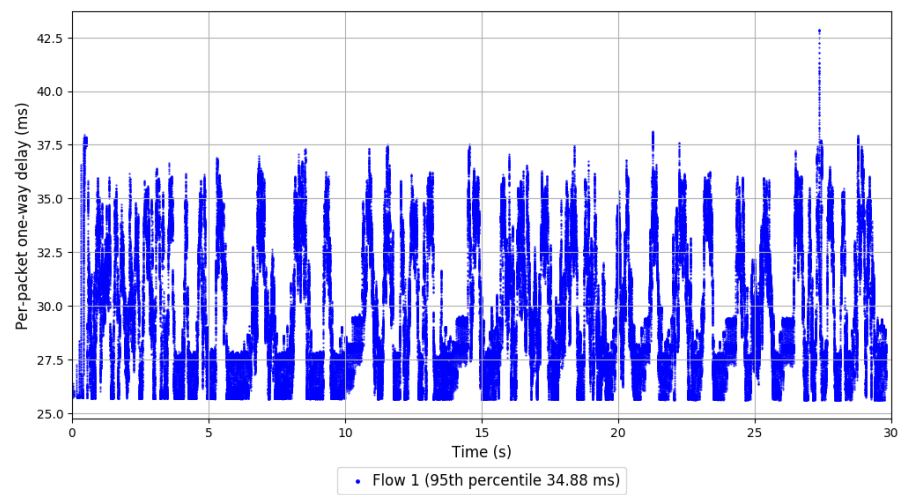
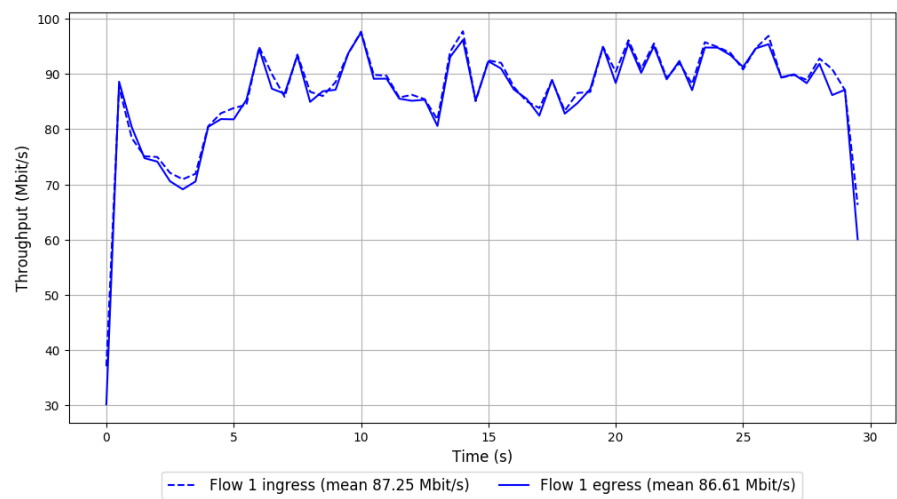


Run 9: Statistics of Indigo

Start at: 2018-01-02 00:35:00
End at: 2018-01-02 00:35:30
Local clock offset: -30.918 ms
Remote clock offset: -3.828 ms

Below is generated by plot.py at 2018-01-02 04:51:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.61 Mbit/s
95th percentile per-packet one-way delay: 34.880 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 86.61 Mbit/s
95th percentile per-packet one-way delay: 34.880 ms
Loss rate: 0.91%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-01-02 00:56:09
End at: 2018-01-02 00:56:39
Local clock offset: -6.606 ms
Remote clock offset: -2.456 ms

Below is generated by plot.py at 2018-01-02 04:51:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 64.61 Mbit/s
95th percentile per-packet one-way delay: 33.969 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 64.61 Mbit/s
95th percentile per-packet one-way delay: 33.969 ms
Loss rate: 1.77%

Run 10: Report of Indigo — Data Link

