

Pantheon Report

Generated at 2018-03-27 08:39:18 (UTC).

Data path: AWS Korea Ethernet (*local*) → China Ethernet (*remote*).

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

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

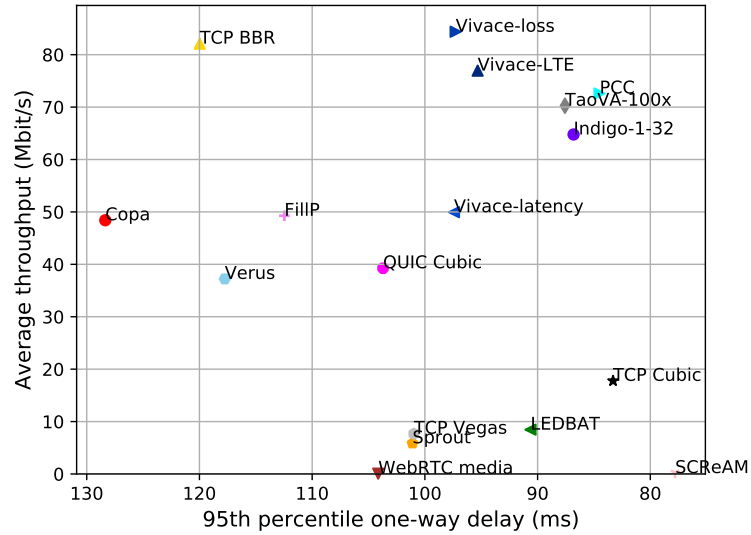
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against `ntp.nict.jp` and have been applied to correct the timestamps in logs.

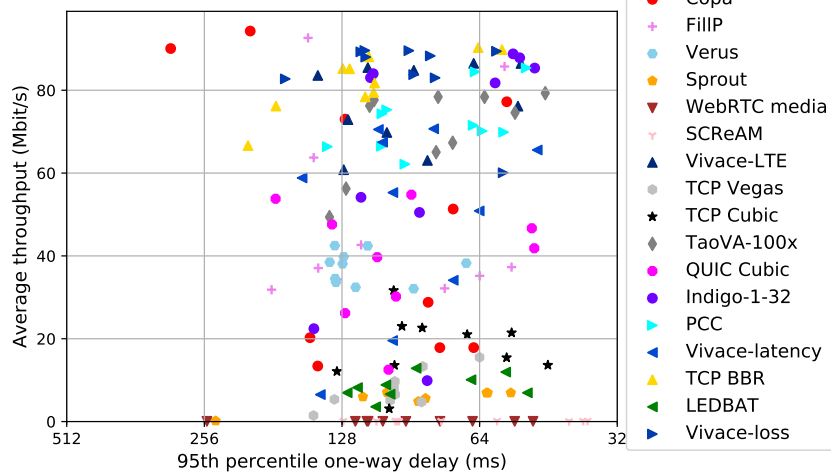
Git summary:

```
branch: master @ 503f51fe03f703a4c0a826a0792a4fead3e7d1b0
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeab30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ f271183af822eee5d0031620f4bebf38aedc5581
```

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



test from AWS Korea Ethernet to China Ethernet, 10 runs of 30s each per scheme



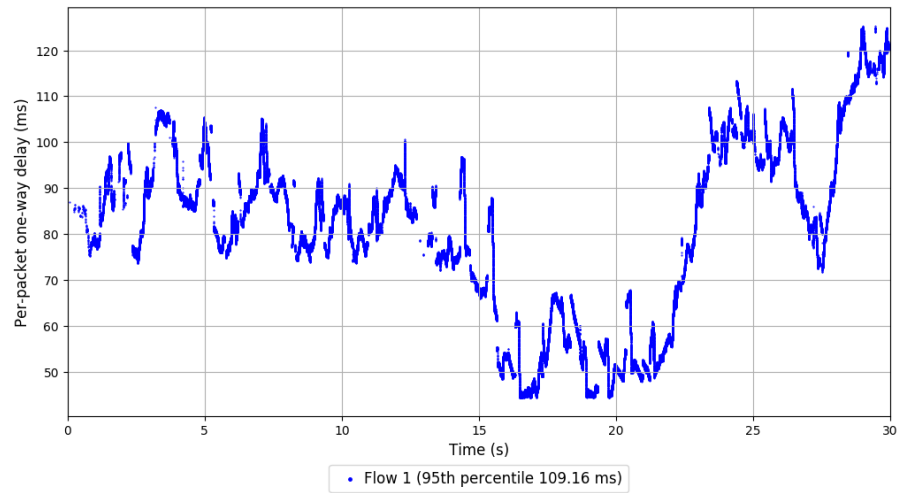
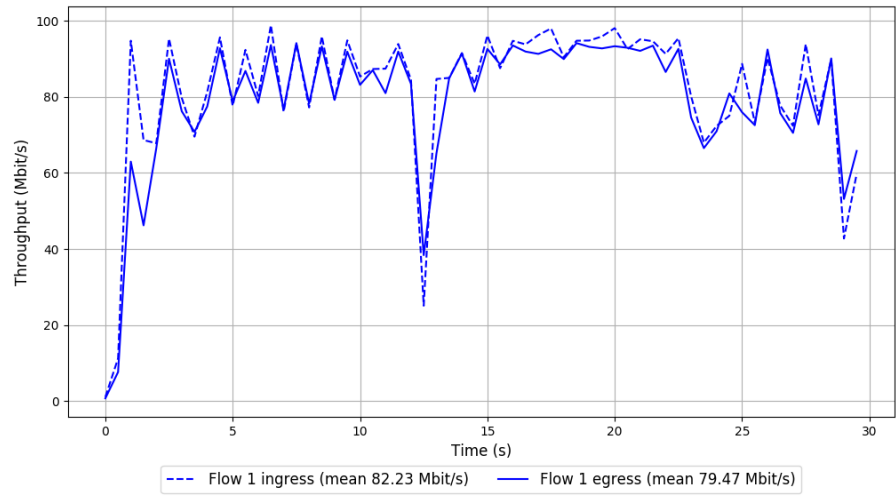
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	82.10	119.97	3.38
TCP Cubic	10	17.77	83.31	0.52
LEDBAT	9	8.46	90.63	0.36
PCC	10	72.60	84.50	1.20
QUIC Cubic	9	39.26	103.71	0.42
SCReAM	10	0.18	77.80	0.08
WebRTC media	10	0.06	104.14	0.03
Sprout	10	5.86	101.10	2.65
TaoVA-100x	10	70.26	87.57	2.83
TCP Vegas	10	7.68	100.97	0.54
Verus	10	37.22	117.75	80.28
Copa	10	48.41	128.36	29.05
FillP	10	49.26	112.47	26.02
Indigo-1-32	10	64.78	86.81	4.53
Vivace-latency	10	49.94	97.42	0.22
Vivace-loss	10	84.37	97.27	1.50
Vivace-LTE	10	76.96	95.32	0.98

Run 1: Statistics of TCP BBR

Start at: 2018-03-27 04:34:02
End at: 2018-03-27 04:34:32
Local clock offset: 11.85 ms
Remote clock offset: -54.095 ms

Below is generated by plot.py at 2018-03-27 08:22:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.47 Mbit/s
95th percentile per-packet one-way delay: 109.160 ms
Loss rate: 3.26%
-- Flow 1:
Average throughput: 79.47 Mbit/s
95th percentile per-packet one-way delay: 109.160 ms
Loss rate: 3.26%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-03-27 04:55:54

End at: 2018-03-27 04:56:24

Local clock offset: 4.154 ms

Remote clock offset: 0.877 ms

Below is generated by plot.py at 2018-03-27 08:22:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.18 Mbit/s

95th percentile per-packet one-way delay: 178.524 ms

Loss rate: 4.33%

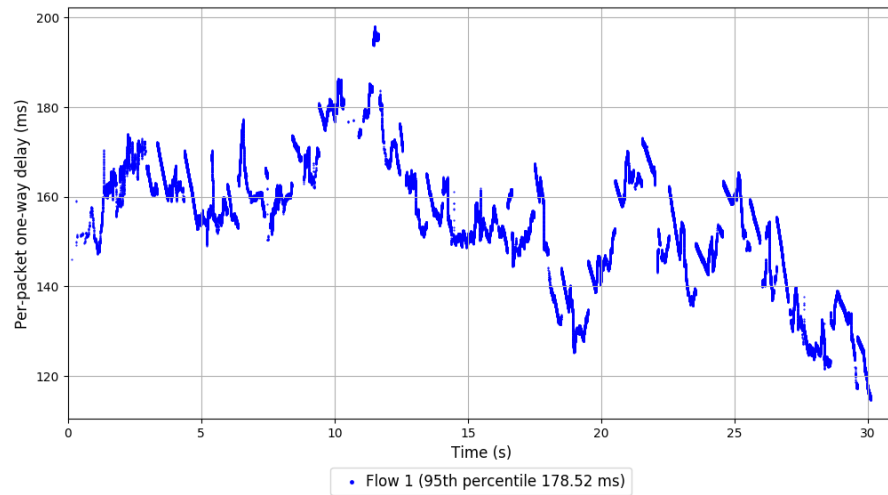
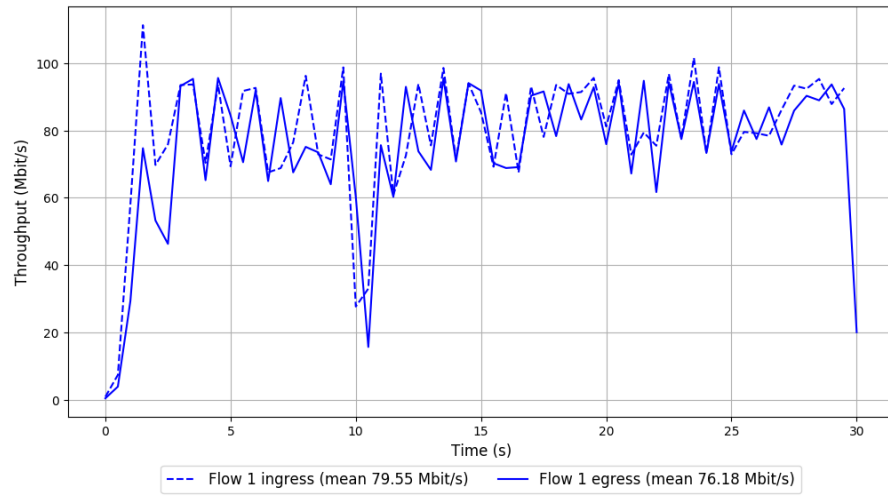
-- Flow 1:

Average throughput: 76.18 Mbit/s

95th percentile per-packet one-way delay: 178.524 ms

Loss rate: 4.33%

Run 2: Report of TCP BBR — Data Link

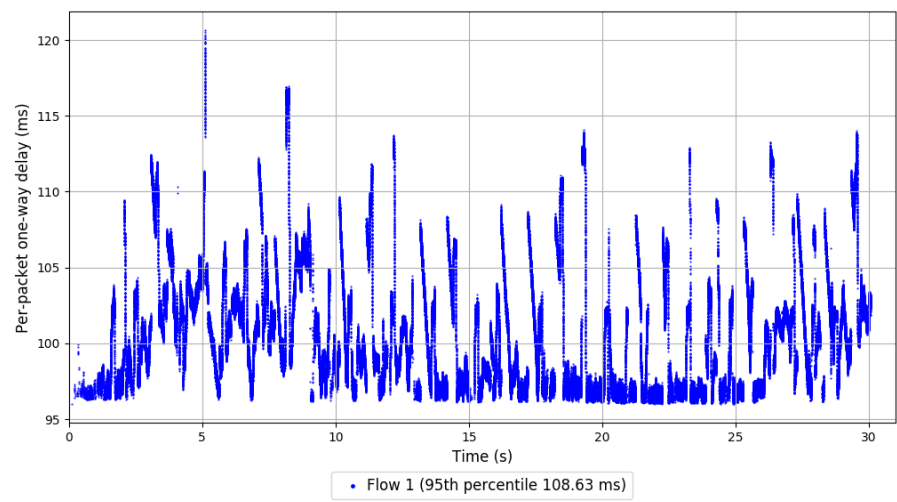
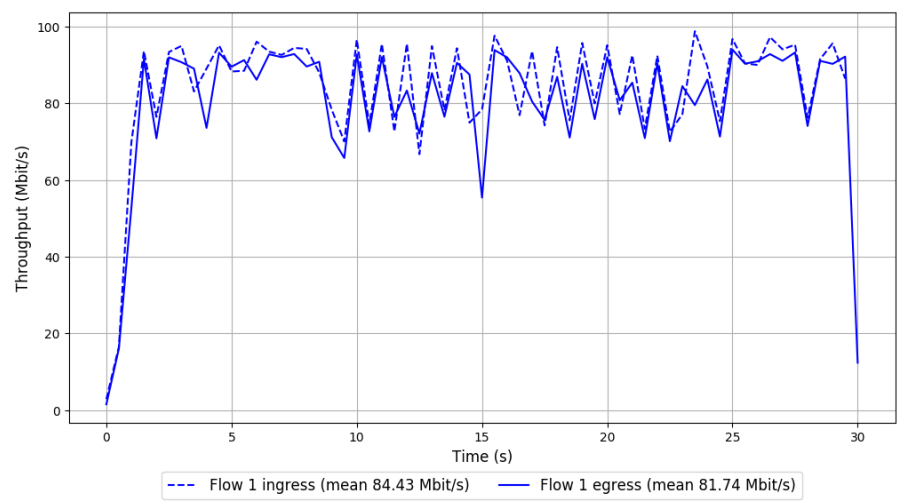


Run 3: Statistics of TCP BBR

Start at: 2018-03-27 05:18:05
End at: 2018-03-27 05:18:35
Local clock offset: -1.443 ms
Remote clock offset: 32.384 ms

Below is generated by plot.py at 2018-03-27 08:22:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.74 Mbit/s
95th percentile per-packet one-way delay: 108.631 ms
Loss rate: 3.17%
-- Flow 1:
Average throughput: 81.74 Mbit/s
95th percentile per-packet one-way delay: 108.631 ms
Loss rate: 3.17%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-03-27 05:40:06

End at: 2018-03-27 05:40:36

Local clock offset: 5.203 ms

Remote clock offset: 29.344 ms

Below is generated by plot.py at 2018-03-27 08:22:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.18 Mbit/s

95th percentile per-packet one-way delay: 123.158 ms

Loss rate: 2.75%

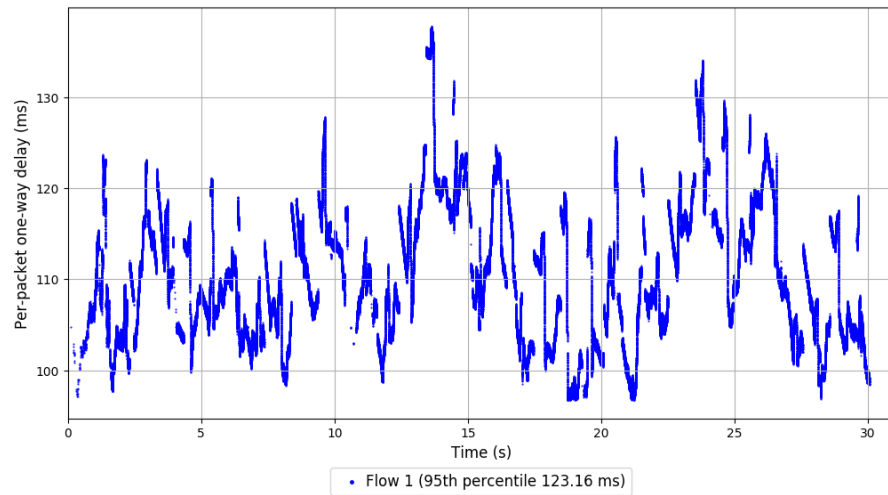
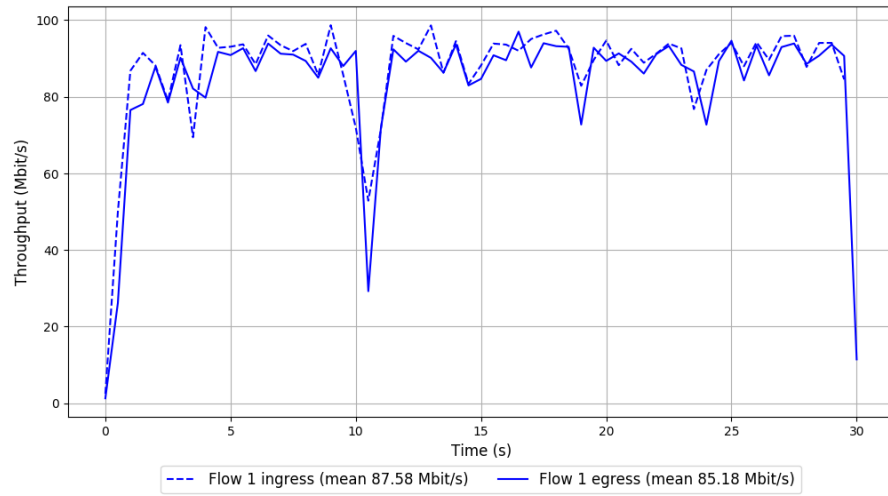
-- Flow 1:

Average throughput: 85.18 Mbit/s

95th percentile per-packet one-way delay: 123.158 ms

Loss rate: 2.75%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-03-27 06:02:26

End at: 2018-03-27 06:02:56

Local clock offset: 4.627 ms

Remote clock offset: 31.046 ms

Below is generated by plot.py at 2018-03-27 08:22:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.07 Mbit/s

95th percentile per-packet one-way delay: 111.814 ms

Loss rate: 3.26%

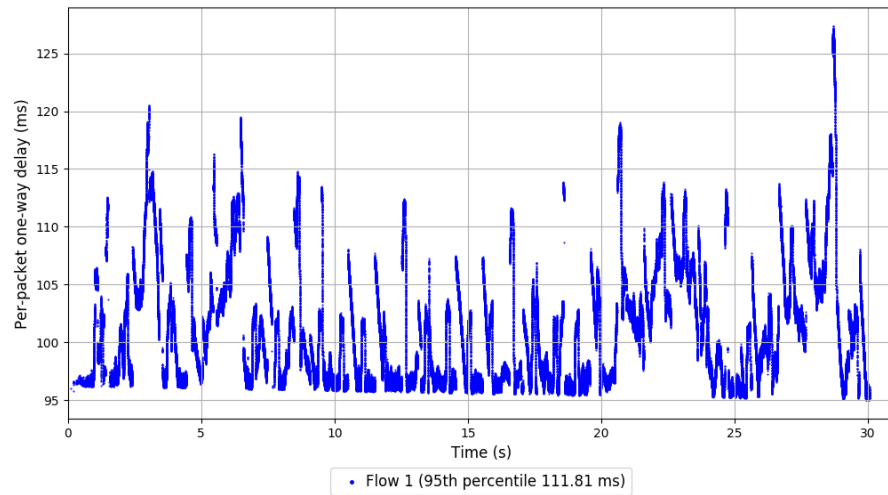
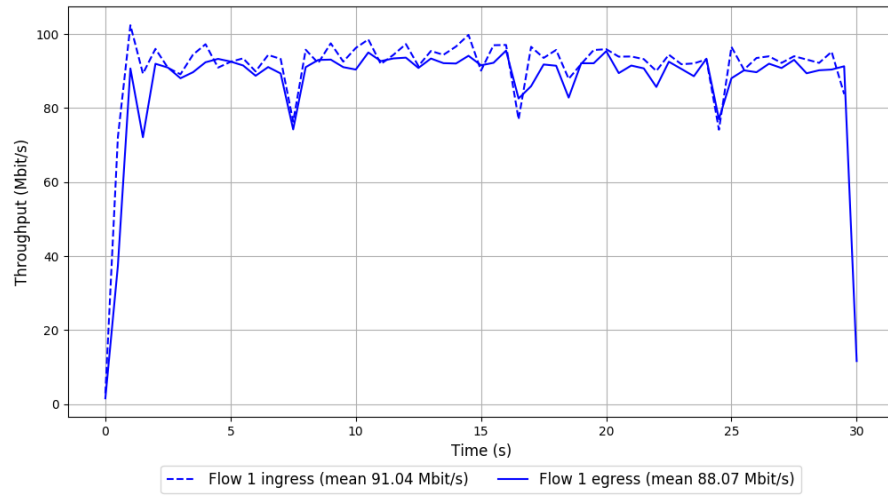
-- Flow 1:

Average throughput: 88.07 Mbit/s

95th percentile per-packet one-way delay: 111.814 ms

Loss rate: 3.26%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-03-27 06:24:48

End at: 2018-03-27 06:25:18

Local clock offset: 3.58 ms

Remote clock offset: 59.019 ms

Below is generated by plot.py at 2018-03-27 08:22:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.23 Mbit/s

95th percentile per-packet one-way delay: 127.454 ms

Loss rate: 3.12%

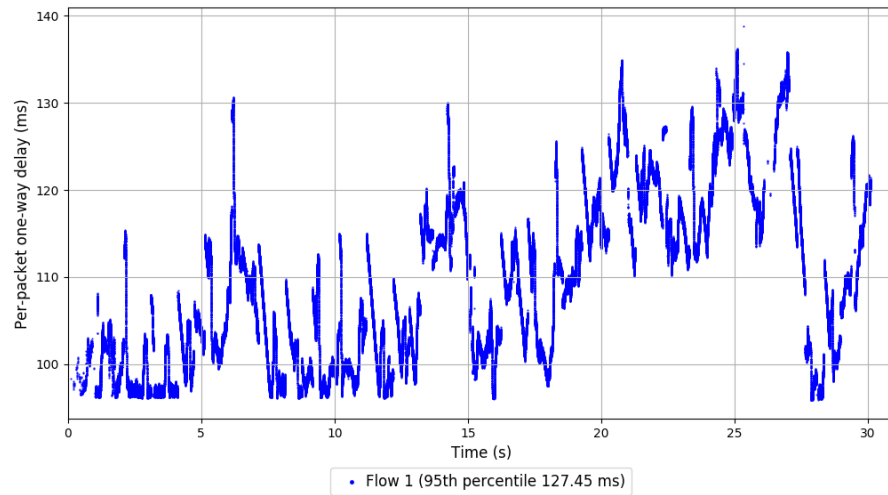
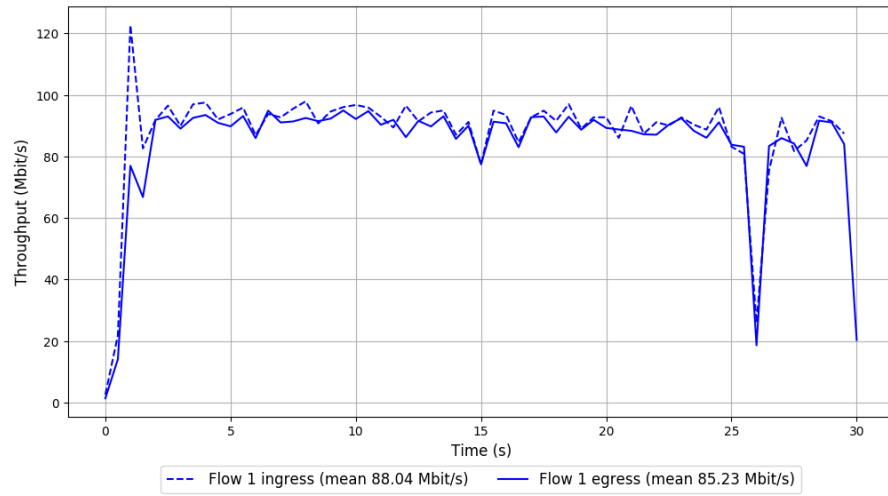
-- Flow 1:

Average throughput: 85.23 Mbit/s

95th percentile per-packet one-way delay: 127.454 ms

Loss rate: 3.12%

Run 6: Report of TCP BBR — Data Link

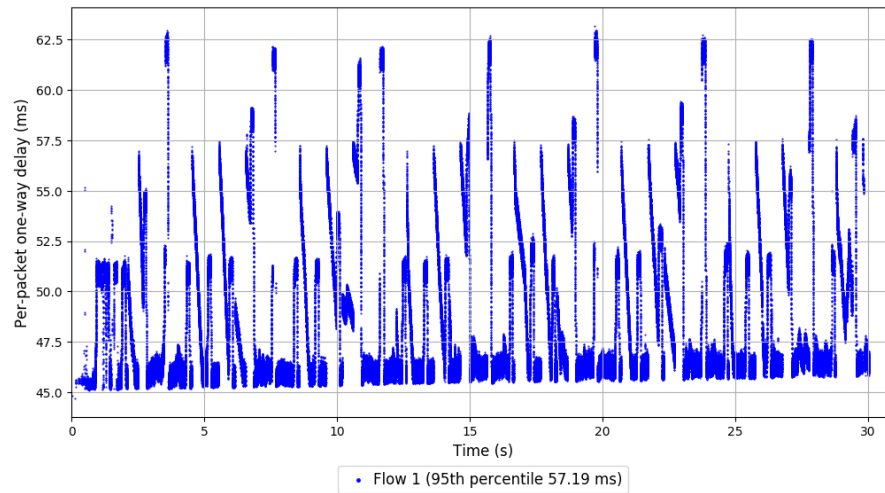
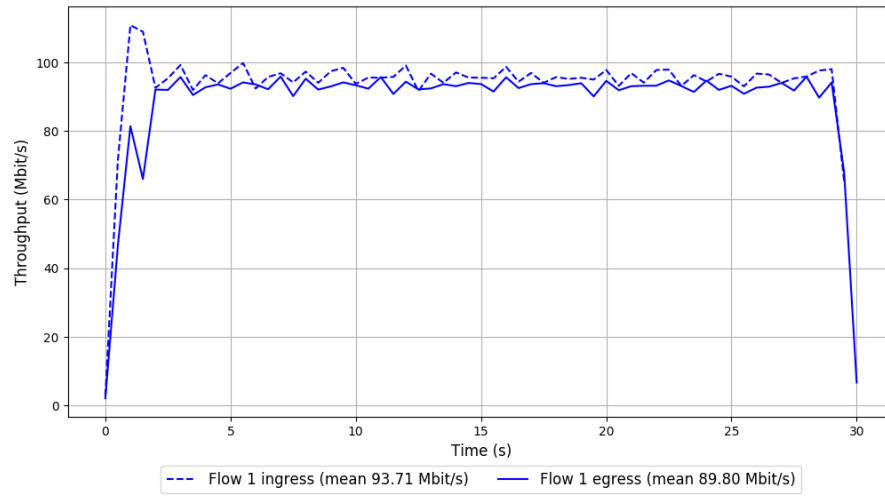


Run 7: Statistics of TCP BBR

Start at: 2018-03-27 06:48:04
End at: 2018-03-27 06:48:34
Local clock offset: 9.746 ms
Remote clock offset: -18.329 ms

Below is generated by plot.py at 2018-03-27 08:22:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.80 Mbit/s
95th percentile per-packet one-way delay: 57.189 ms
Loss rate: 4.16%
-- Flow 1:
Average throughput: 89.80 Mbit/s
95th percentile per-packet one-way delay: 57.189 ms
Loss rate: 4.16%

Run 7: Report of TCP BBR — Data Link

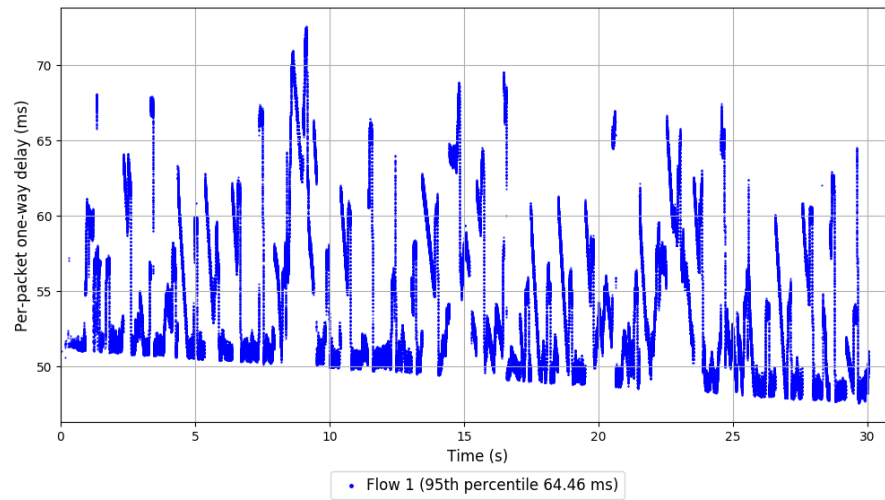
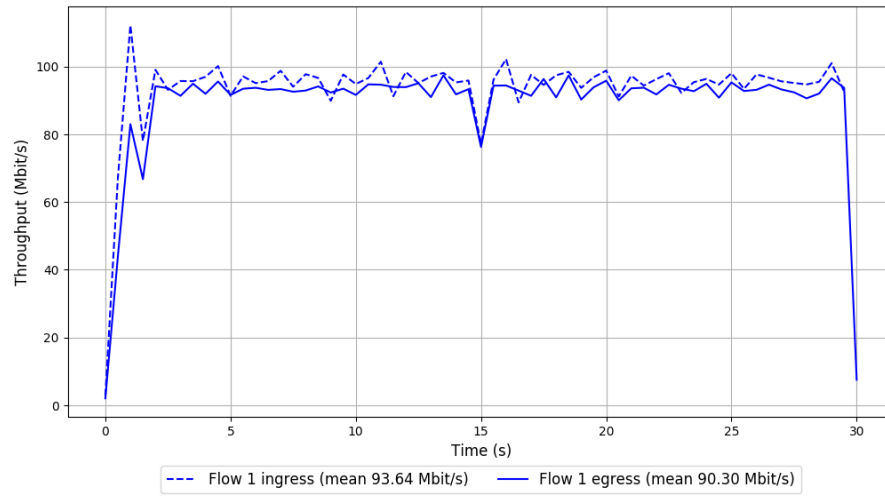


Run 8: Statistics of TCP BBR

Start at: 2018-03-27 07:10:07
End at: 2018-03-27 07:10:37
Local clock offset: 6.764 ms
Remote clock offset: -23.098 ms

Below is generated by plot.py at 2018-03-27 08:22:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.30 Mbit/s
95th percentile per-packet one-way delay: 64.464 ms
Loss rate: 3.57%
-- Flow 1:
Average throughput: 90.30 Mbit/s
95th percentile per-packet one-way delay: 64.464 ms
Loss rate: 3.57%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-03-27 07:31:54

End at: 2018-03-27 07:32:24

Local clock offset: 3.656 ms

Remote clock offset: 55.392 ms

Below is generated by plot.py at 2018-03-27 08:23:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.65 Mbit/s

95th percentile per-packet one-way delay: 205.481 ms

Loss rate: 2.98%

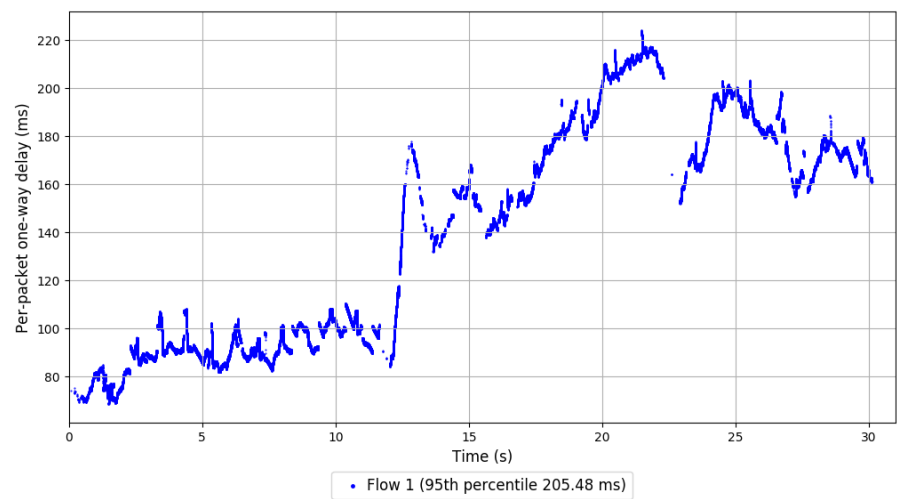
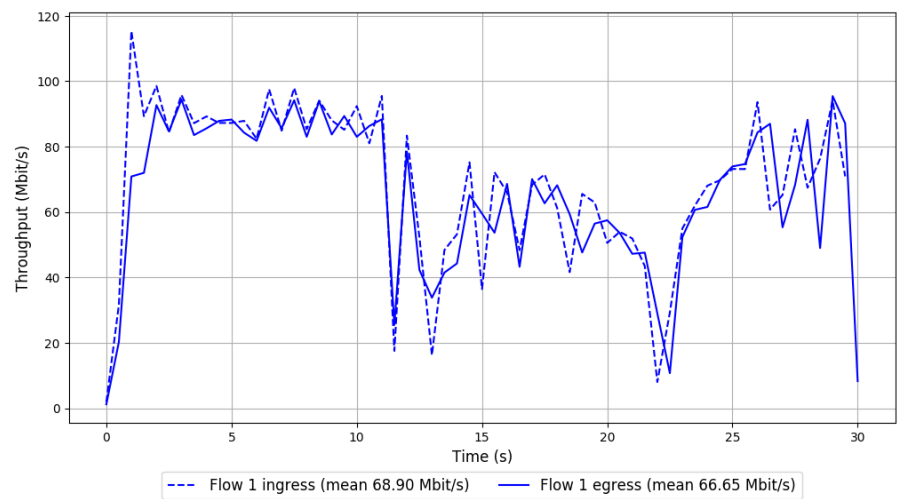
-- Flow 1:

Average throughput: 66.65 Mbit/s

95th percentile per-packet one-way delay: 205.481 ms

Loss rate: 2.98%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-03-27 07:53:43

End at: 2018-03-27 07:54:13

Local clock offset: 5.967 ms

Remote clock offset: 14.339 ms

Below is generated by plot.py at 2018-03-27 08:23:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.41 Mbit/s

95th percentile per-packet one-way delay: 113.860 ms

Loss rate: 3.23%

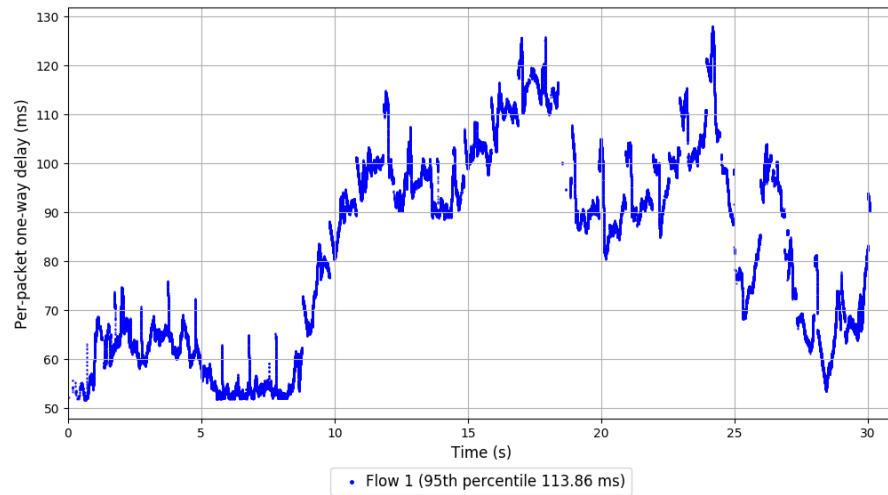
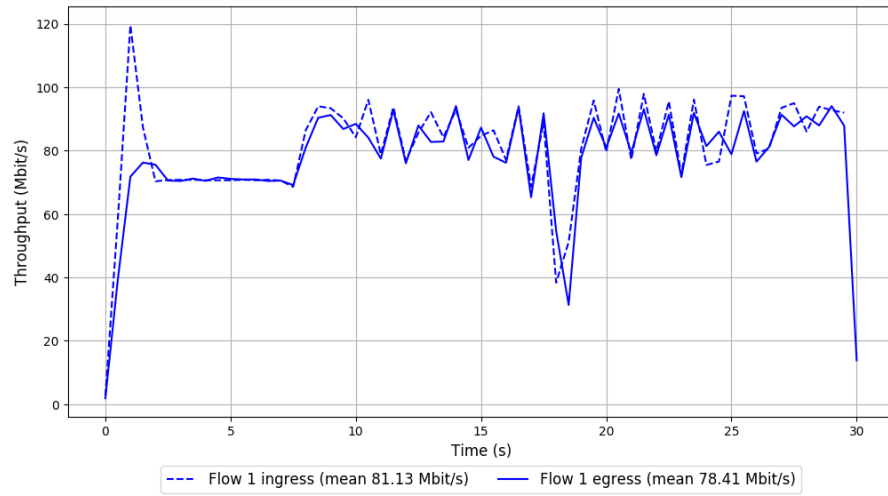
-- Flow 1:

Average throughput: 78.41 Mbit/s

95th percentile per-packet one-way delay: 113.860 ms

Loss rate: 3.23%

Run 10: Report of TCP BBR — Data Link

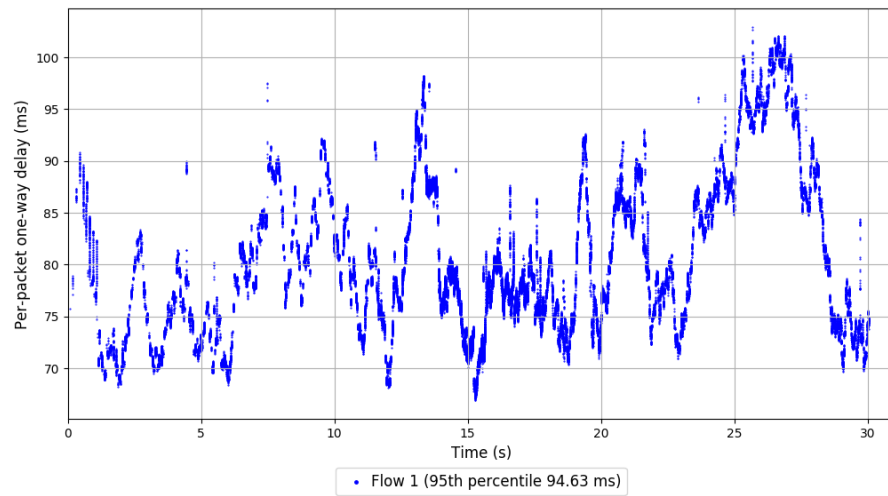
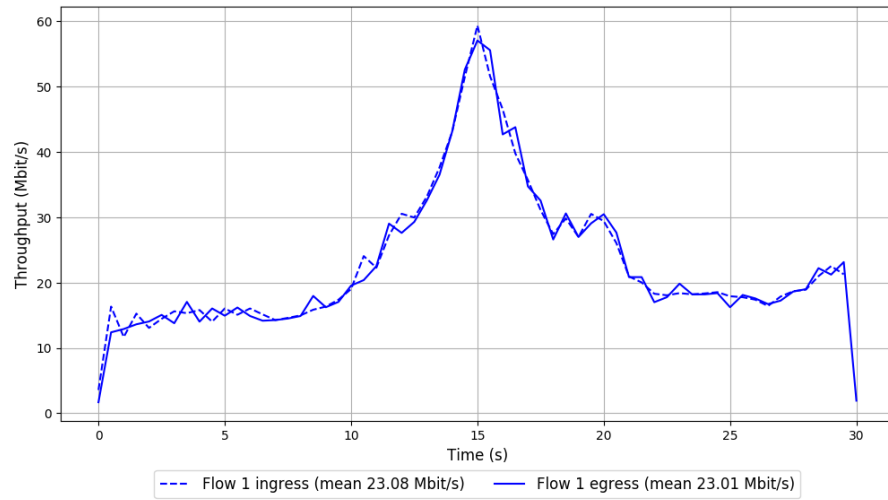


Run 1: Statistics of TCP Cubic

Start at: 2018-03-27 04:19:42
End at: 2018-03-27 04:20:12
Local clock offset: 4.757 ms
Remote clock offset: -27.008 ms

Below is generated by plot.py at 2018-03-27 08:23:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.01 Mbit/s
95th percentile per-packet one-way delay: 94.626 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 23.01 Mbit/s
95th percentile per-packet one-way delay: 94.626 ms
Loss rate: 0.31%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-03-27 04:41:27

End at: 2018-03-27 04:41:57

Local clock offset: 13.649 ms

Remote clock offset: -62.8 ms

Below is generated by plot.py at 2018-03-27 08:23:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.44 Mbit/s

95th percentile per-packet one-way delay: 55.864 ms

Loss rate: 0.29%

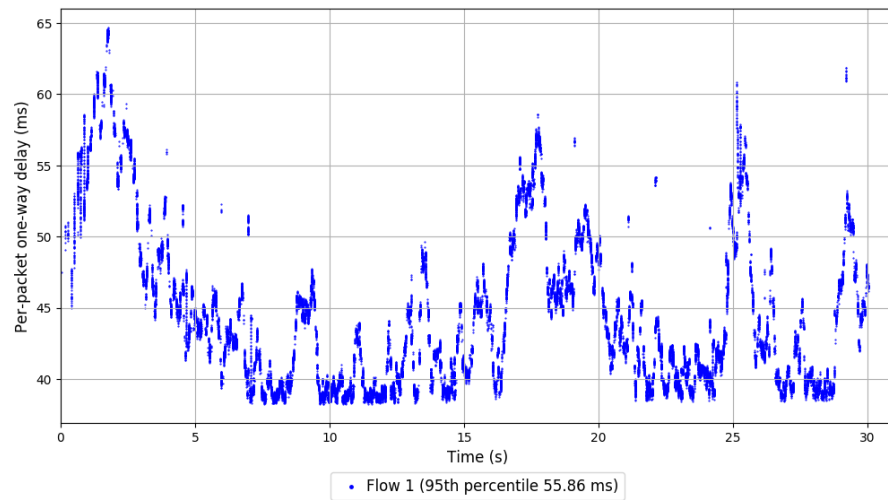
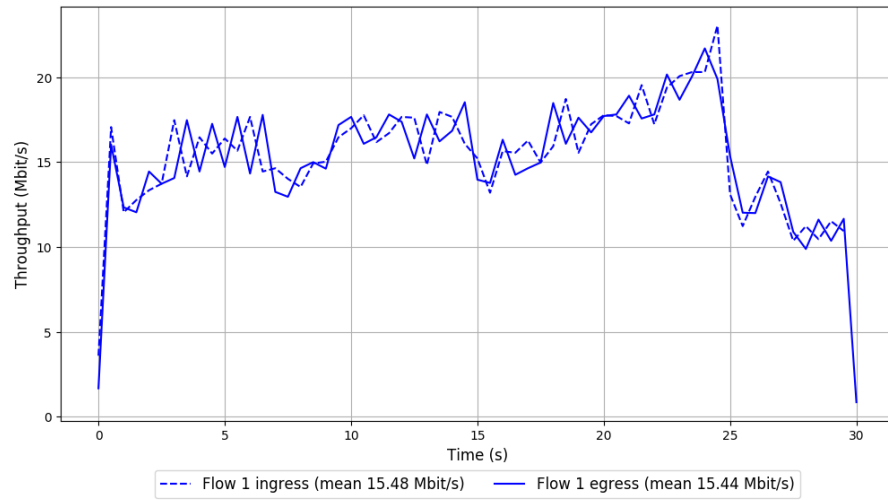
-- Flow 1:

Average throughput: 15.44 Mbit/s

95th percentile per-packet one-way delay: 55.864 ms

Loss rate: 0.29%

Run 2: Report of TCP Cubic — Data Link

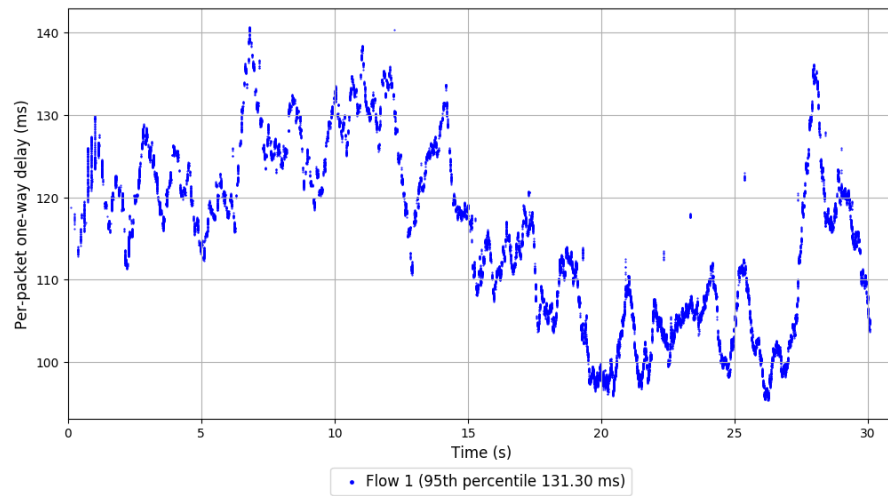
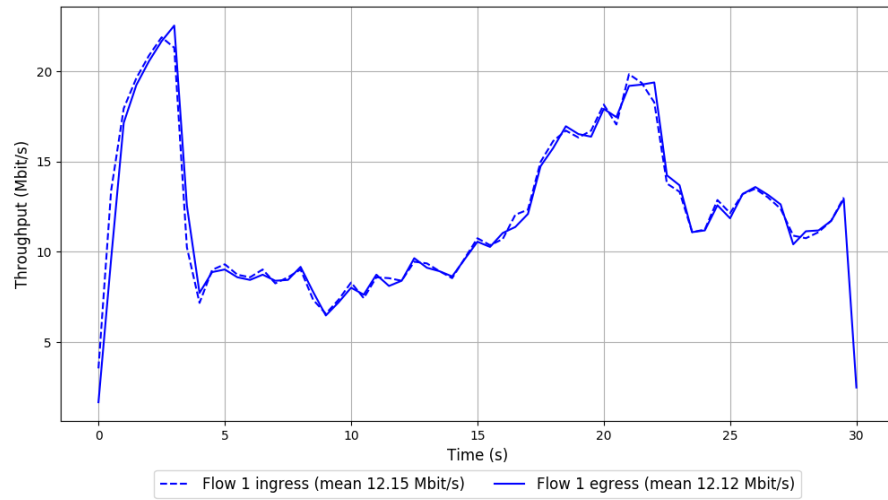


Run 3: Statistics of TCP Cubic

Start at: 2018-03-27 05:03:16
End at: 2018-03-27 05:03:46
Local clock offset: 1.118 ms
Remote clock offset: 18.066 ms

Below is generated by plot.py at 2018-03-27 08:23:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 131.300 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 131.300 ms
Loss rate: 0.29%

Run 3: Report of TCP Cubic — Data Link

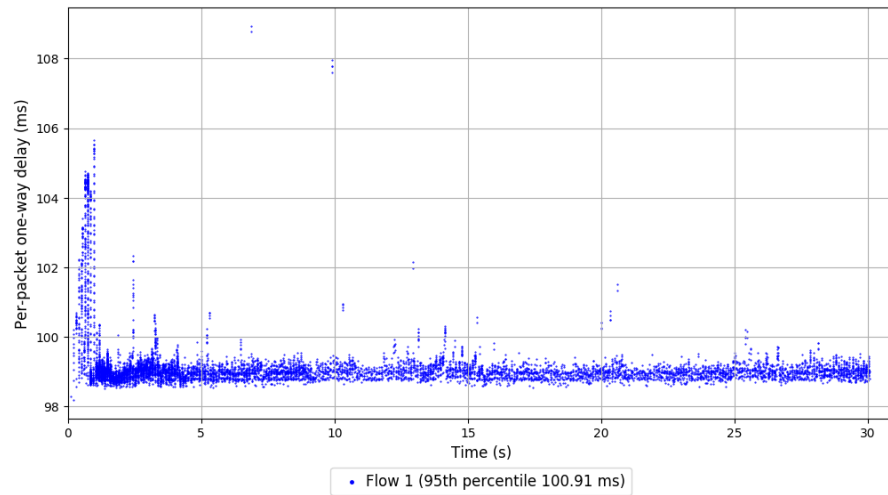
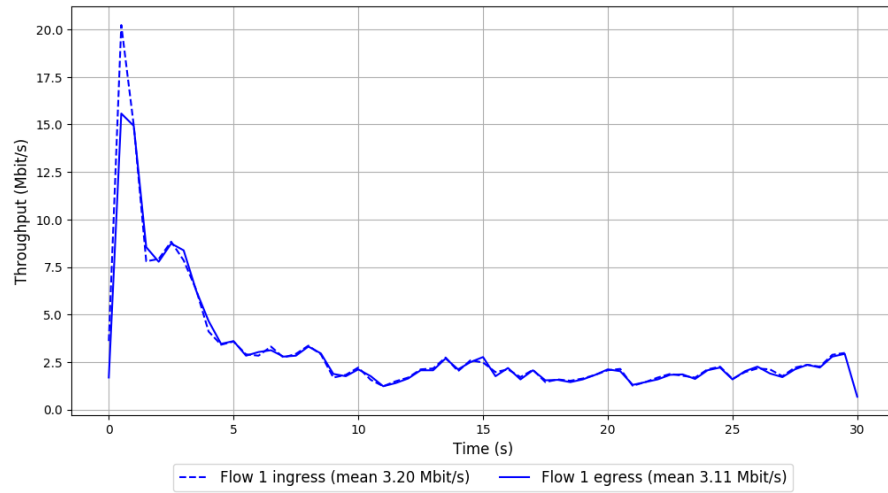


Run 4: Statistics of TCP Cubic

Start at: 2018-03-27 05:25:27
End at: 2018-03-27 05:25:57
Local clock offset: 1.346 ms
Remote clock offset: 36.879 ms

Below is generated by plot.py at 2018-03-27 08:23:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.11 Mbit/s
95th percentile per-packet one-way delay: 100.906 ms
Loss rate: 2.77%
-- Flow 1:
Average throughput: 3.11 Mbit/s
95th percentile per-packet one-way delay: 100.906 ms
Loss rate: 2.77%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-03-27 05:47:53

End at: 2018-03-27 05:48:23

Local clock offset: 5.832 ms

Remote clock offset: 28.67 ms

Below is generated by plot.py at 2018-03-27 08:23:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.60 Mbit/s

95th percentile per-packet one-way delay: 98.248 ms

Loss rate: 0.30%

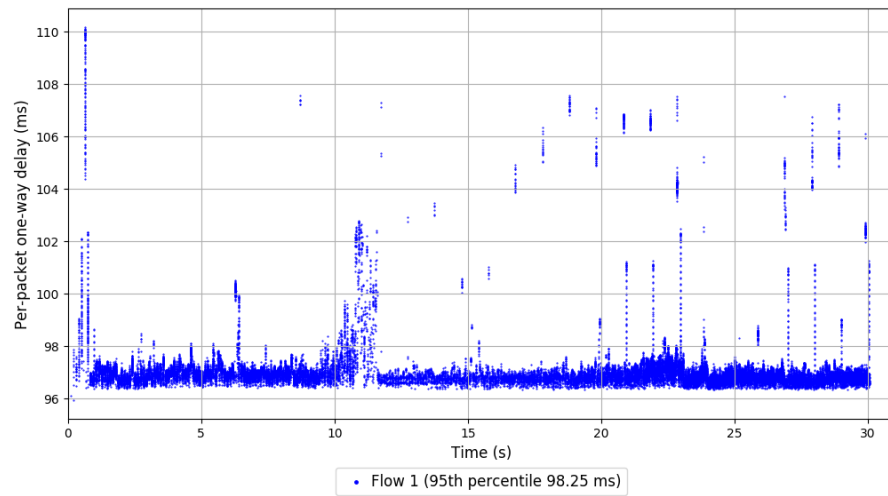
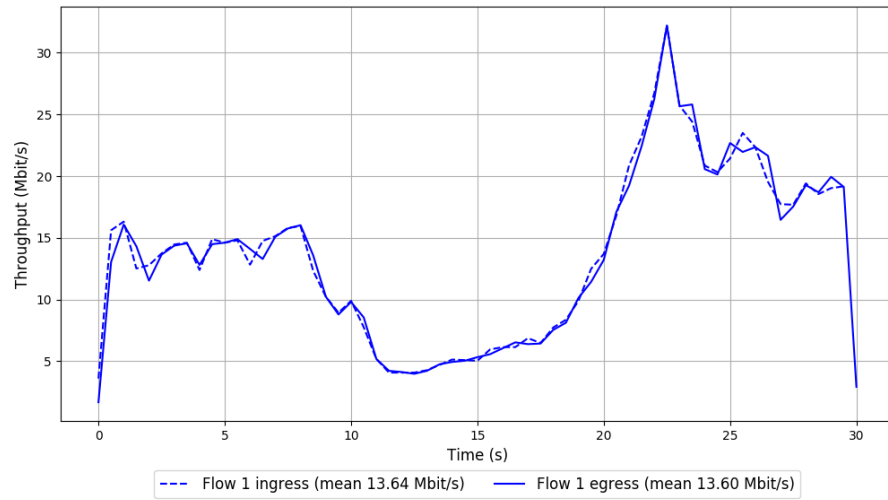
-- Flow 1:

Average throughput: 13.60 Mbit/s

95th percentile per-packet one-way delay: 98.248 ms

Loss rate: 0.30%

Run 5: Report of TCP Cubic — Data Link

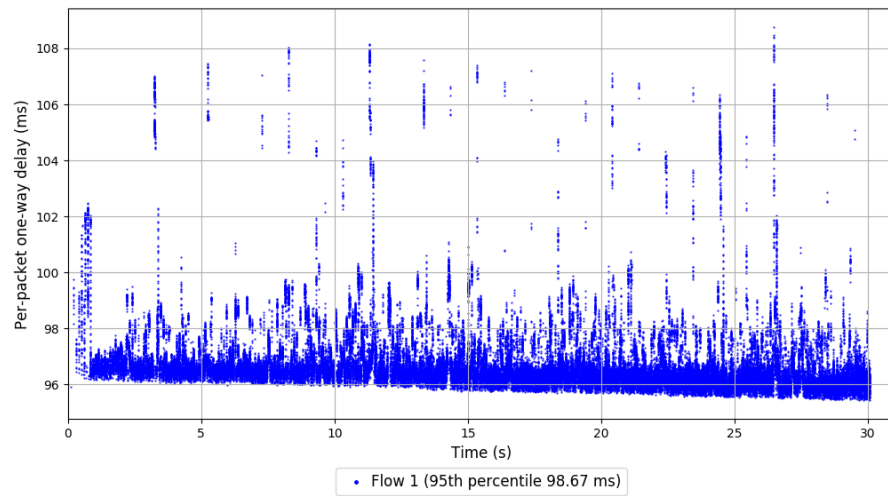
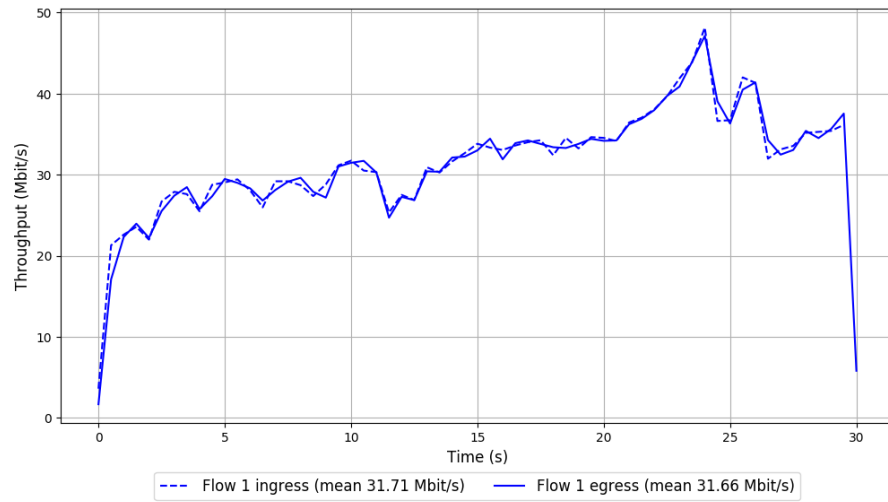


Run 6: Statistics of TCP Cubic

Start at: 2018-03-27 06:09:51
End at: 2018-03-27 06:10:21
Local clock offset: 4.172 ms
Remote clock offset: 44.971 ms

Below is generated by plot.py at 2018-03-27 08:23:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 31.66 Mbit/s
95th percentile per-packet one-way delay: 98.674 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 31.66 Mbit/s
95th percentile per-packet one-way delay: 98.674 ms
Loss rate: 0.17%

Run 6: Report of TCP Cubic — Data Link

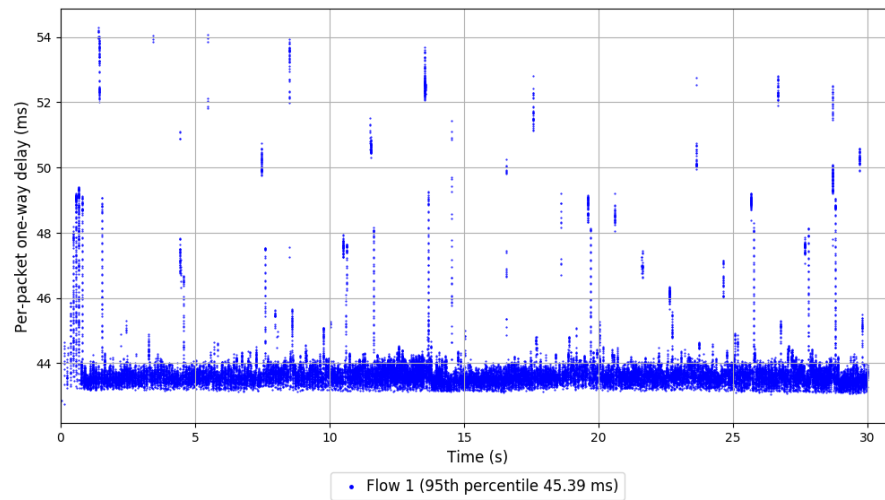
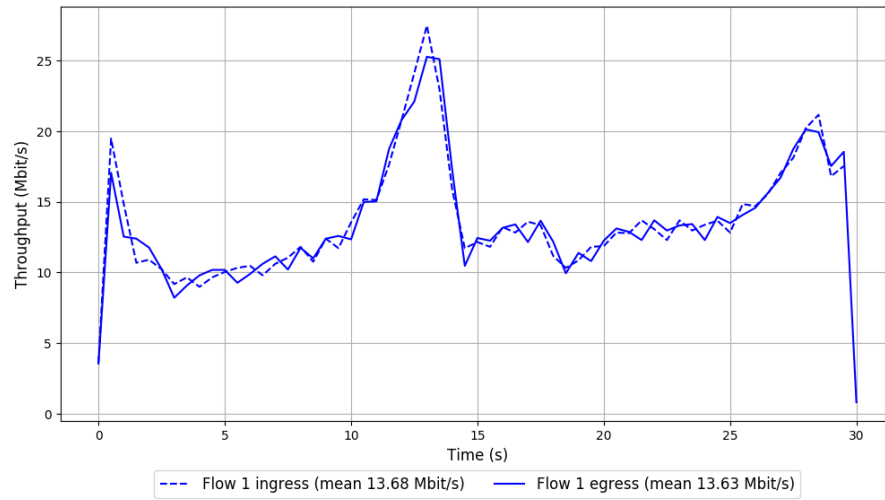


Run 7: Statistics of TCP Cubic

Start at: 2018-03-27 06:32:39
End at: 2018-03-27 06:33:09
Local clock offset: 6.236 ms
Remote clock offset: 10.558 ms

Below is generated by plot.py at 2018-03-27 08:23:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.63 Mbit/s
95th percentile per-packet one-way delay: 45.387 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 13.63 Mbit/s
95th percentile per-packet one-way delay: 45.387 ms
Loss rate: 0.38%

Run 7: Report of TCP Cubic — Data Link

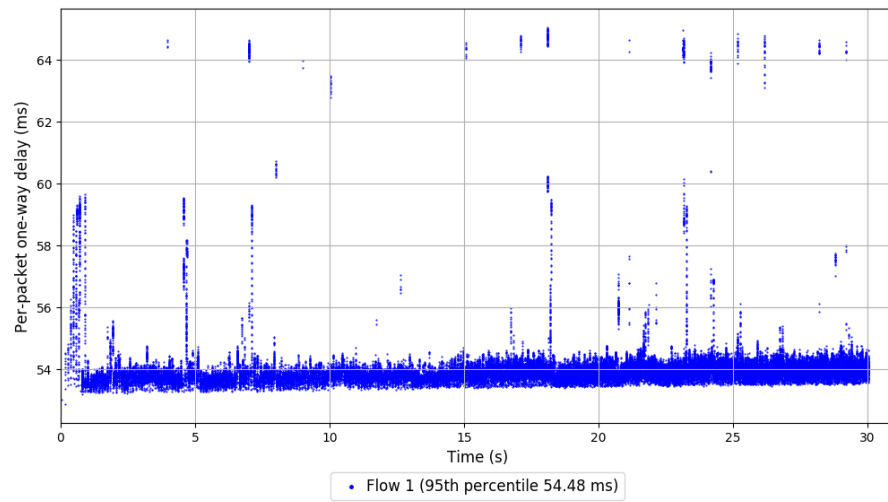
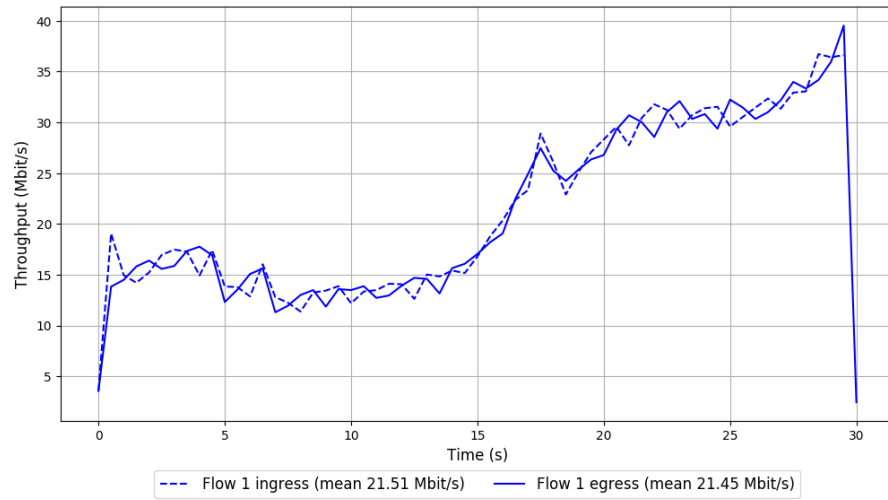


Run 8: Statistics of TCP Cubic

Start at: 2018-03-27 06:55:26
End at: 2018-03-27 06:55:56
Local clock offset: 10.486 ms
Remote clock offset: -16.668 ms

Below is generated by plot.py at 2018-03-27 08:23:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.45 Mbit/s
95th percentile per-packet one-way delay: 54.480 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 21.45 Mbit/s
95th percentile per-packet one-way delay: 54.480 ms
Loss rate: 0.25%

Run 8: Report of TCP Cubic — Data Link

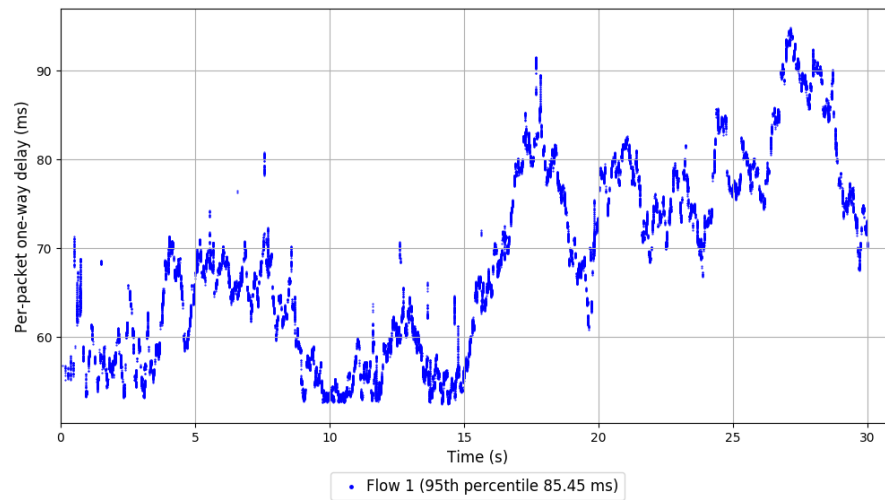
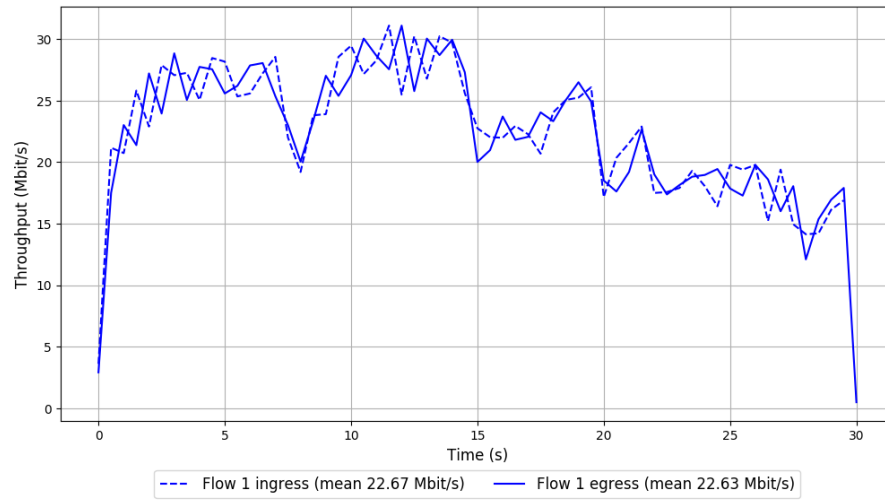


Run 9: Statistics of TCP Cubic

Start at: 2018-03-27 07:17:31
End at: 2018-03-27 07:18:01
Local clock offset: 5.097 ms
Remote clock offset: 16.919 ms

Below is generated by plot.py at 2018-03-27 08:23:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.63 Mbit/s
95th percentile per-packet one-way delay: 85.449 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 22.63 Mbit/s
95th percentile per-packet one-way delay: 85.449 ms
Loss rate: 0.17%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-03-27 07:39:20

End at: 2018-03-27 07:39:50

Local clock offset: 4.41 ms

Remote clock offset: 55.675 ms

Below is generated by plot.py at 2018-03-27 08:23:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.02 Mbit/s

95th percentile per-packet one-way delay: 68.132 ms

Loss rate: 0.27%

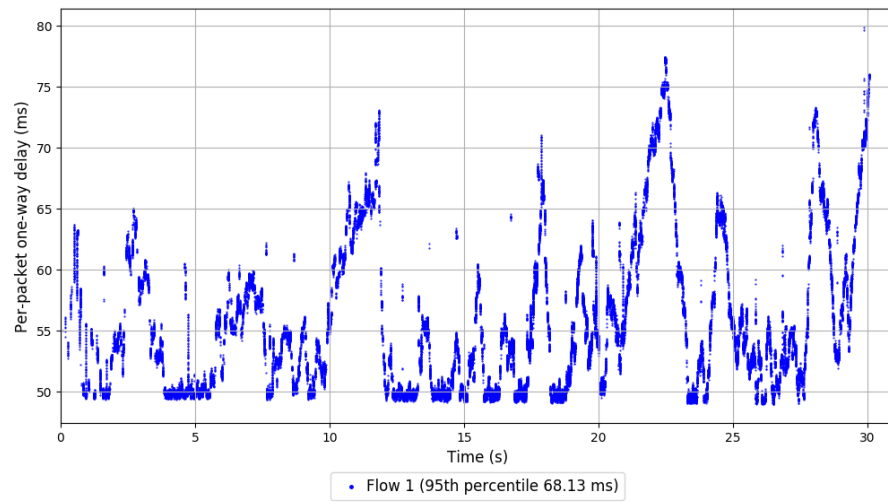
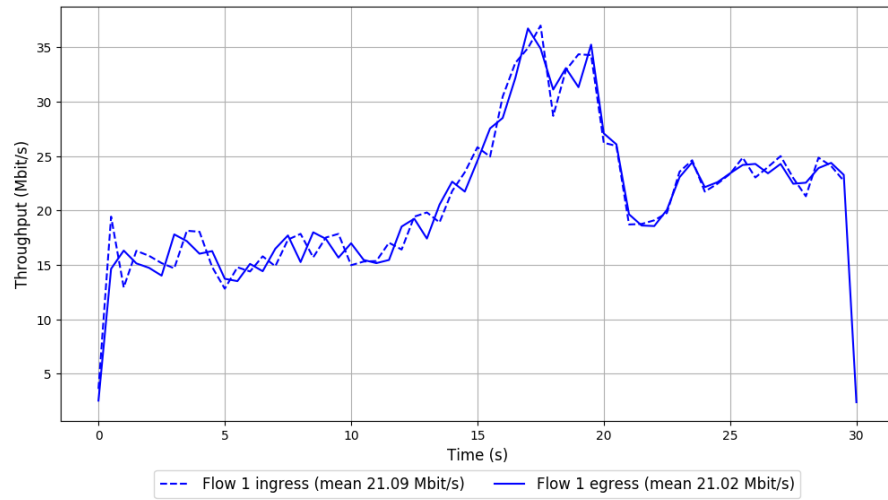
-- Flow 1:

Average throughput: 21.02 Mbit/s

95th percentile per-packet one-way delay: 68.132 ms

Loss rate: 0.27%

Run 10: Report of TCP Cubic — Data Link

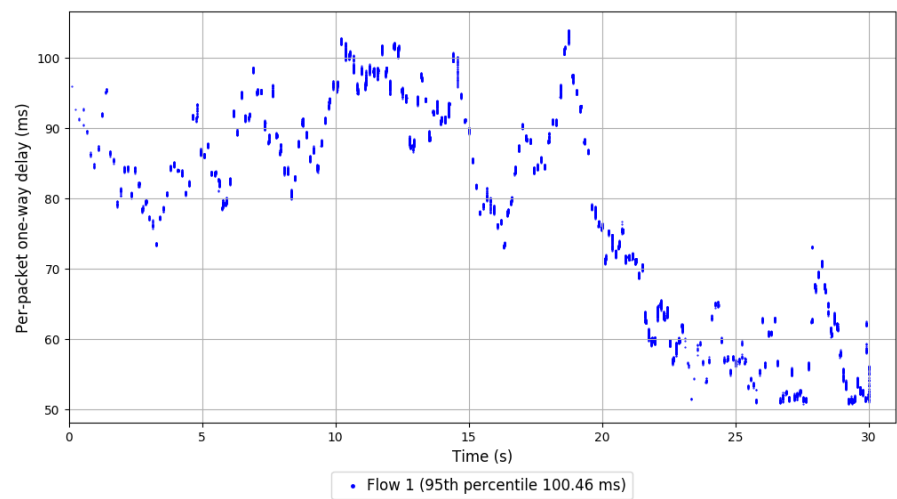
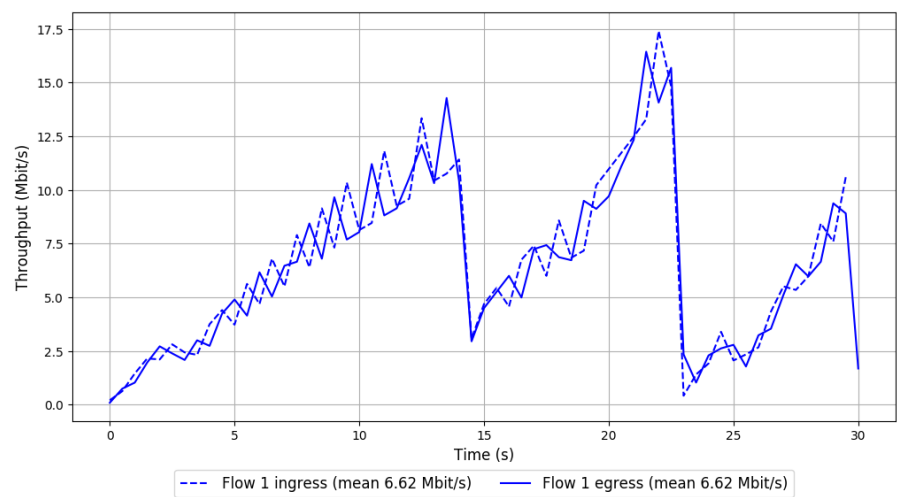


```
Run 1: Statistics of LEDBAT

Start at: 2018-03-27 04:32:51
End at: 2018-03-27 04:33:21
Local clock offset: 11.411 ms
Remote clock offset: -47.389 ms

# Below is generated by plot.py at 2018-03-27 08:23:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.62 Mbit/s
95th percentile per-packet one-way delay: 100.458 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 6.62 Mbit/s
95th percentile per-packet one-way delay: 100.458 ms
Loss rate: 0.19%
```

Run 1: Report of LEDBAT — Data Link

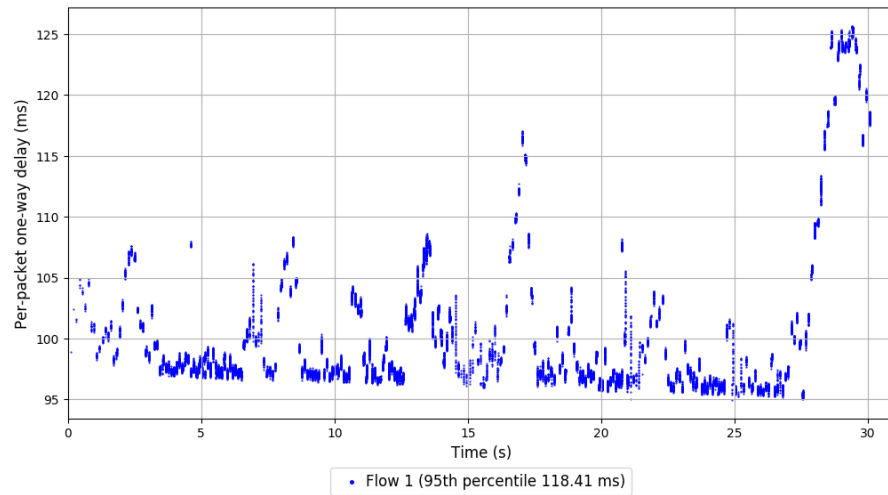
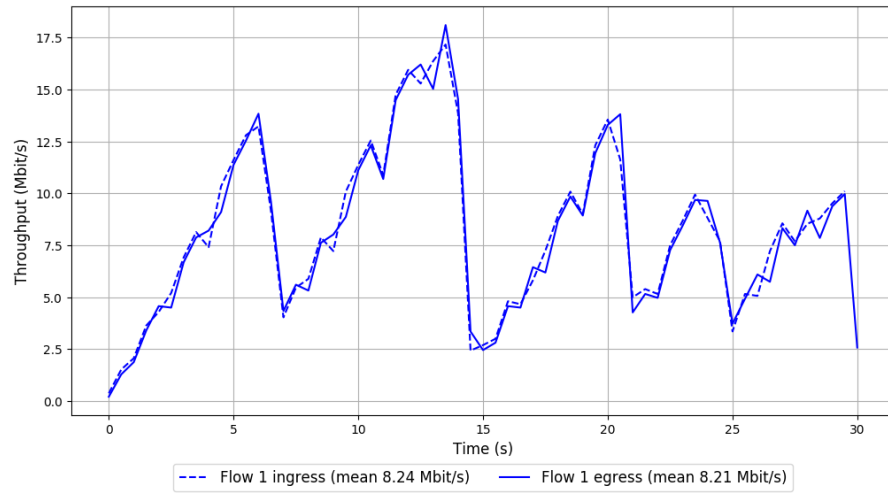


Run 2: Statistics of LEDBAT

Start at: 2018-03-27 04:54:42
End at: 2018-03-27 04:55:12
Local clock offset: 4.72 ms
Remote clock offset: -3.092 ms

Below is generated by plot.py at 2018-03-27 08:23:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 8.21 Mbit/s
95th percentile per-packet one-way delay: 118.407 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 8.21 Mbit/s
95th percentile per-packet one-way delay: 118.407 ms
Loss rate: 0.32%

Run 2: Report of LEDBAT — Data Link

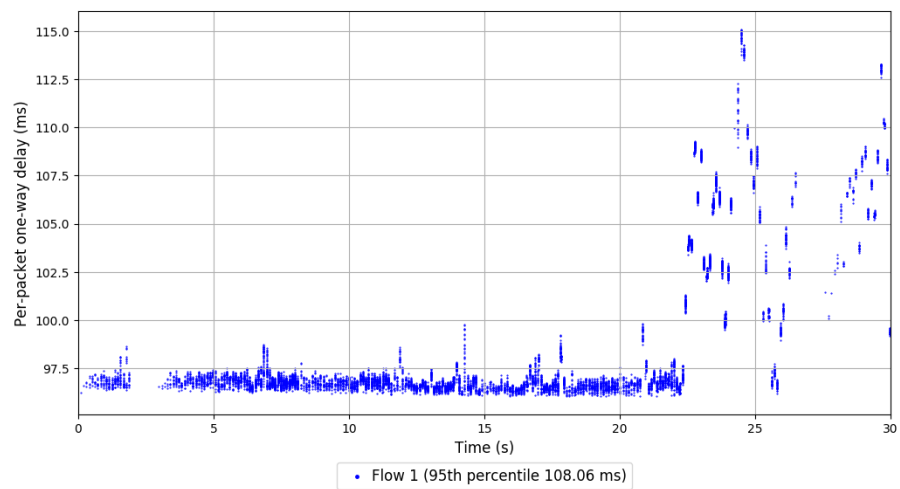
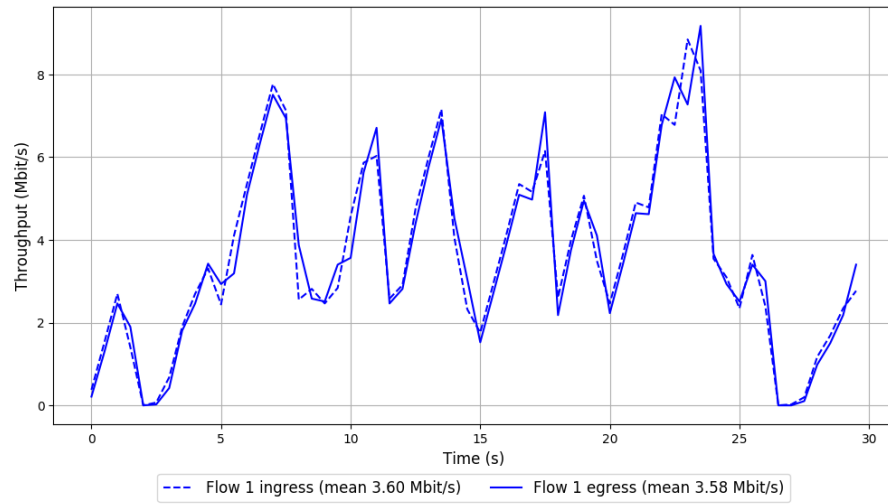


Run 3: Statistics of LEDBAT

Start at: 2018-03-27 05:16:55
End at: 2018-03-27 05:17:25
Local clock offset: -1.444 ms
Remote clock offset: 31.603 ms

Below is generated by plot.py at 2018-03-27 08:23:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.58 Mbit/s
95th percentile per-packet one-way delay: 108.059 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 3.58 Mbit/s
95th percentile per-packet one-way delay: 108.059 ms
Loss rate: 0.52%

Run 3: Report of LEDBAT — Data Link

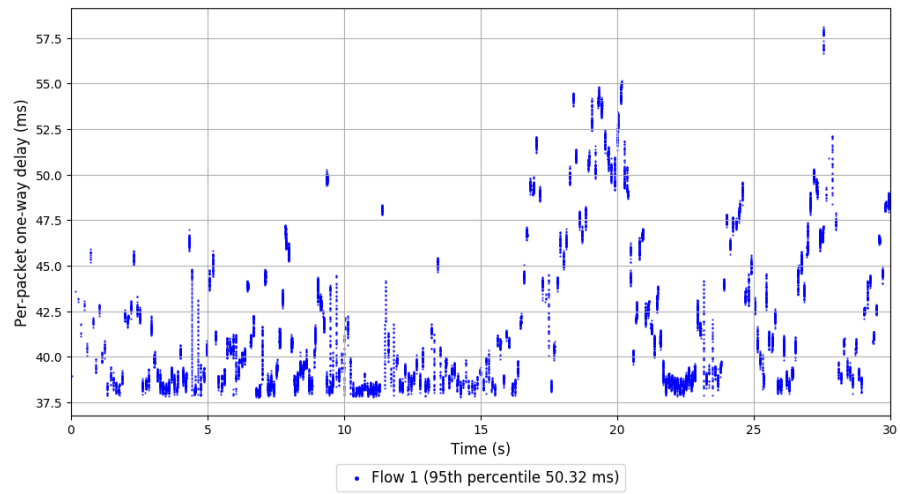
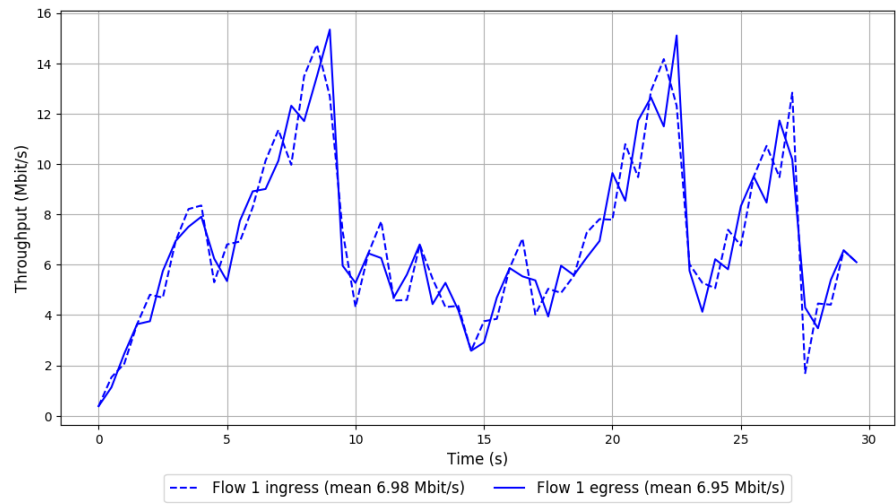


Run 4: Statistics of LEDBAT

Start at: 2018-03-27 05:38:56
End at: 2018-03-27 05:39:26
Local clock offset: 5.006 ms
Remote clock offset: -29.326 ms

Below is generated by plot.py at 2018-03-27 08:23:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.95 Mbit/s
95th percentile per-packet one-way delay: 50.324 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 6.95 Mbit/s
95th percentile per-packet one-way delay: 50.324 ms
Loss rate: 0.50%

Run 4: Report of LEDBAT — Data Link

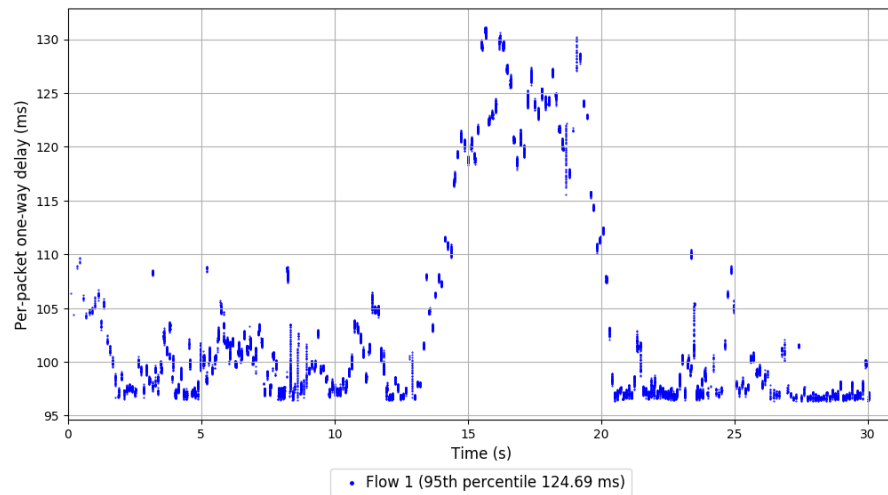
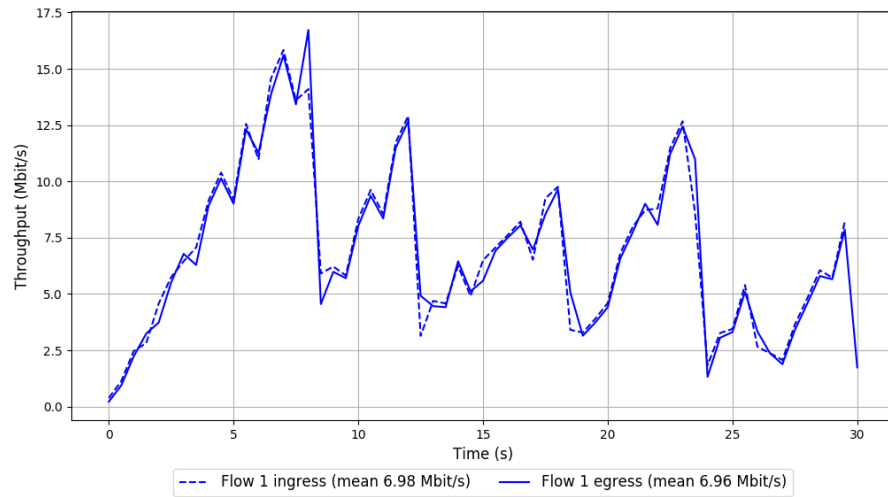


Run 5: Statistics of LEDBAT

Start at: 2018-03-27 06:01:16
End at: 2018-03-27 06:01:46
Local clock offset: 4.898 ms
Remote clock offset: 29.425 ms

Below is generated by plot.py at 2018-03-27 08:23:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.96 Mbit/s
95th percentile per-packet one-way delay: 124.693 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 6.96 Mbit/s
95th percentile per-packet one-way delay: 124.693 ms
Loss rate: 0.38%

Run 5: Report of LEDBAT — Data Link

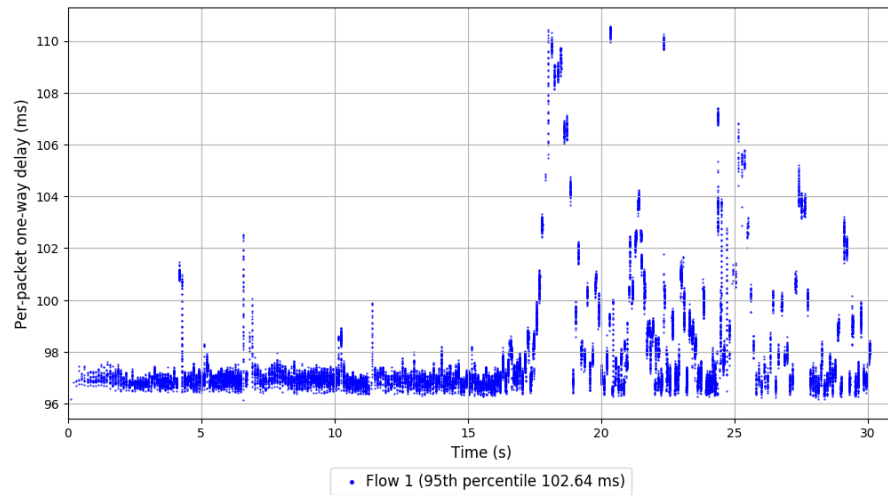
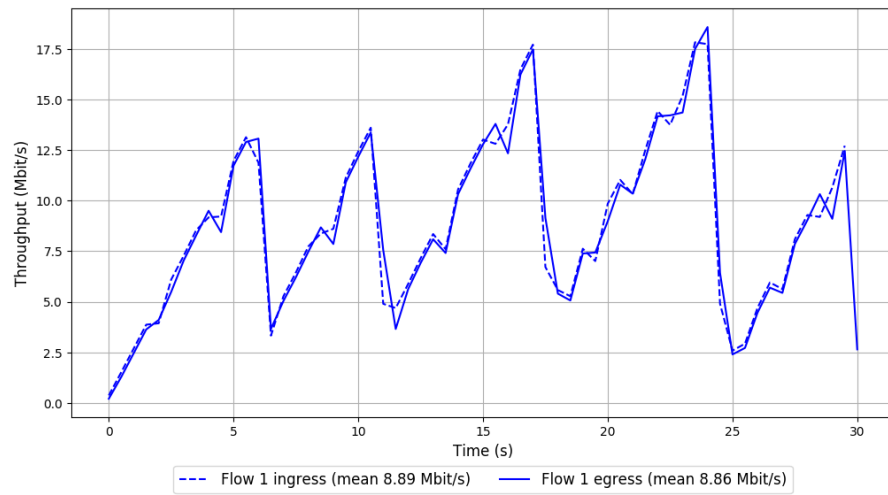


Run 6: Statistics of LEDBAT

Start at: 2018-03-27 06:23:37
End at: 2018-03-27 06:24:07
Local clock offset: 3.498 ms
Remote clock offset: 58.324 ms

Below is generated by plot.py at 2018-03-27 08:23:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 8.86 Mbit/s
95th percentile per-packet one-way delay: 102.638 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 8.86 Mbit/s
95th percentile per-packet one-way delay: 102.638 ms
Loss rate: 0.29%

Run 6: Report of LEDBAT — Data Link

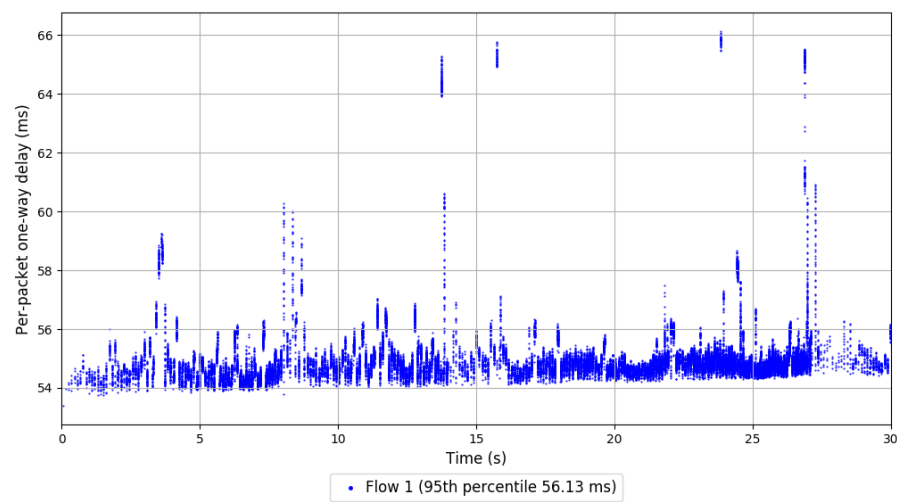
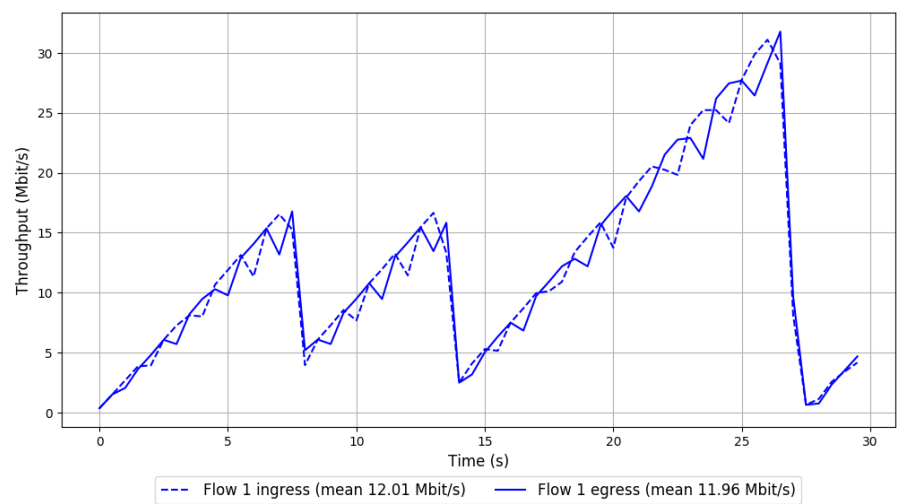


Run 7: Statistics of LEDBAT

Start at: 2018-03-27 06:46:54
End at: 2018-03-27 06:47:24
Local clock offset: 9.692 ms
Remote clock offset: -8.193 ms

Below is generated by plot.py at 2018-03-27 08:23:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.96 Mbit/s
95th percentile per-packet one-way delay: 56.134 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 11.96 Mbit/s
95th percentile per-packet one-way delay: 56.134 ms
Loss rate: 0.47%

Run 7: Report of LEDBAT — Data Link

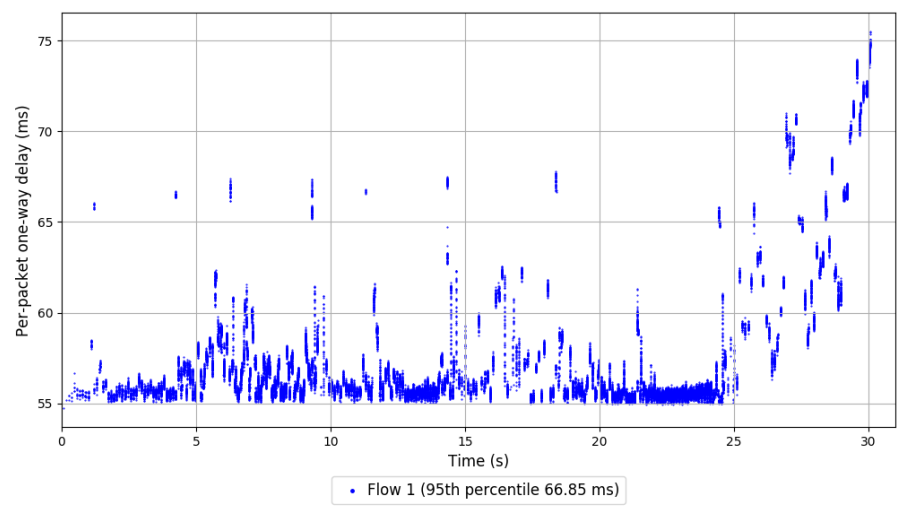
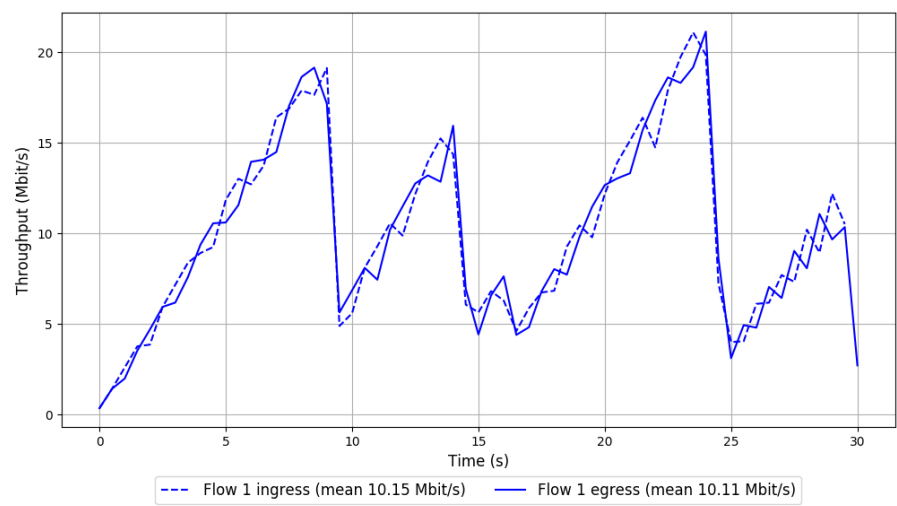


Run 8: Statistics of LEDBAT

Start at: 2018-03-27 07:08:52
End at: 2018-03-27 07:09:22
Local clock offset: 7.301 ms
Remote clock offset: -18.797 ms

Below is generated by plot.py at 2018-03-27 08:23:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.11 Mbit/s
95th percentile per-packet one-way delay: 66.846 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 10.11 Mbit/s
95th percentile per-packet one-way delay: 66.846 ms
Loss rate: 0.36%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

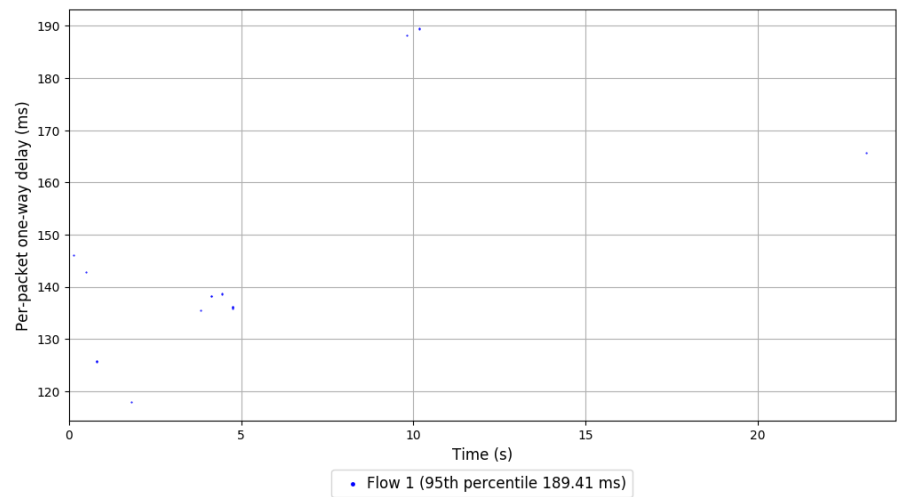
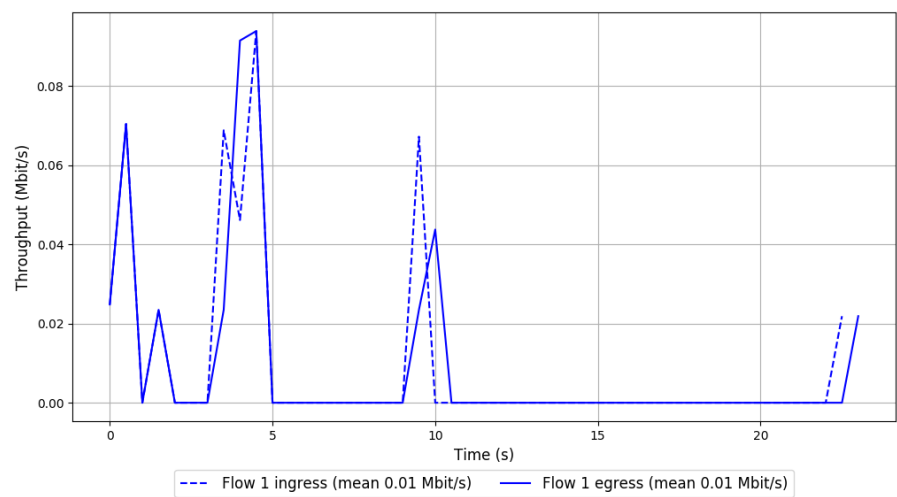
Start at: 2018-03-27 07:30:44

End at: 2018-03-27 07:31:15

Local clock offset: 3.596 ms

Remote clock offset: 34.264 ms

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-03-27 07:52:32

End at: 2018-03-27 07:53:02

Local clock offset: 6.087 ms

Remote clock offset: 27.866 ms

Below is generated by plot.py at 2018-03-27 08:23:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.86 Mbit/s

95th percentile per-packet one-way delay: 88.125 ms

Loss rate: 0.20%

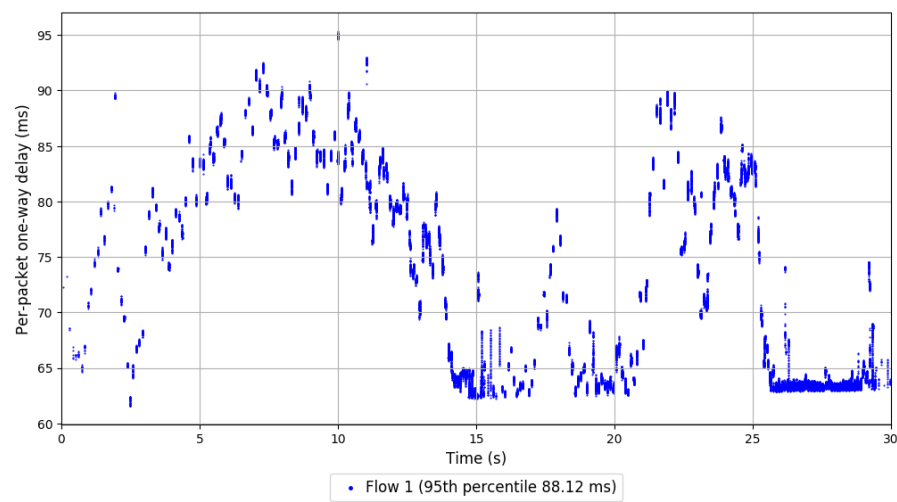
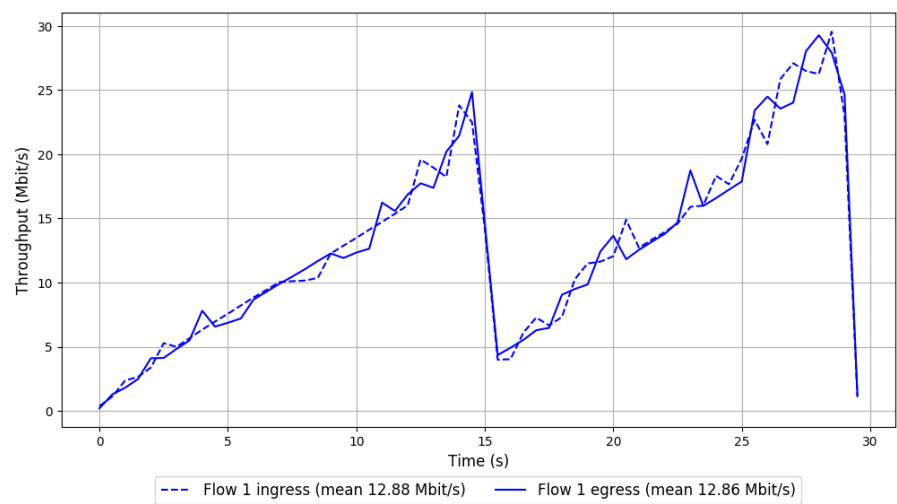
-- Flow 1:

Average throughput: 12.86 Mbit/s

95th percentile per-packet one-way delay: 88.125 ms

Loss rate: 0.20%

Run 10: Report of LEDBAT — Data Link

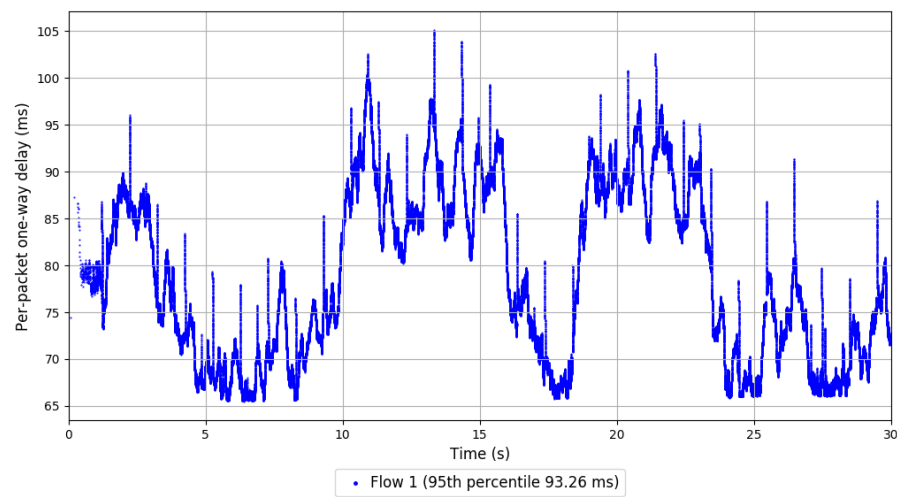
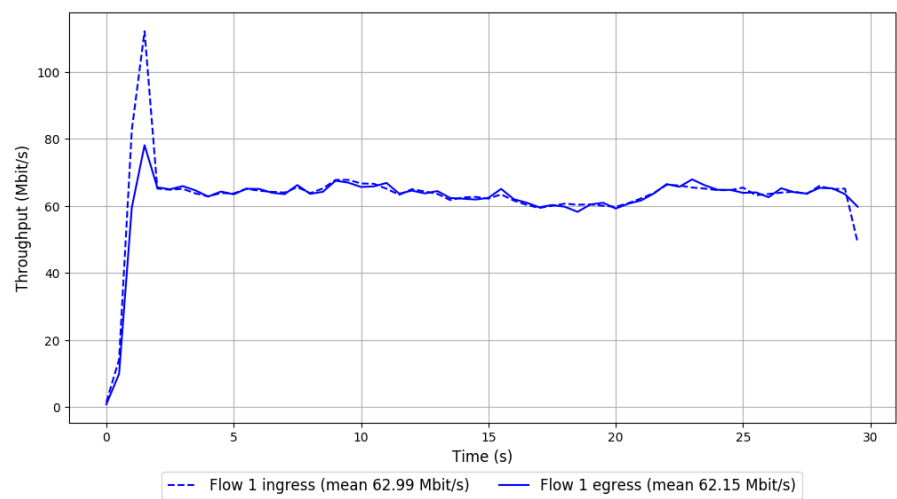


Run 1: Statistics of PCC

Start at: 2018-03-27 04:18:31
End at: 2018-03-27 04:19:01
Local clock offset: 3.871 ms
Remote clock offset: -26.535 ms

Below is generated by plot.py at 2018-03-27 08:24:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.15 Mbit/s
95th percentile per-packet one-way delay: 93.262 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 62.15 Mbit/s
95th percentile per-packet one-way delay: 93.262 ms
Loss rate: 1.34%

Run 1: Report of PCC — Data Link

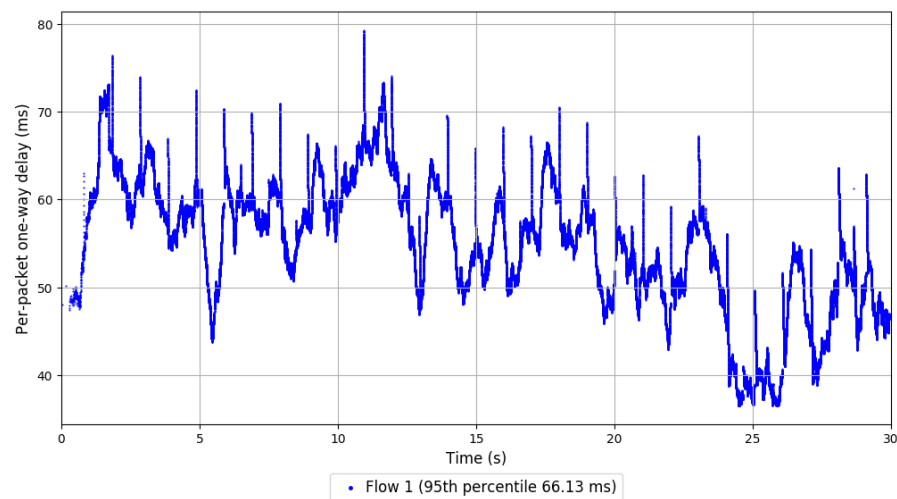
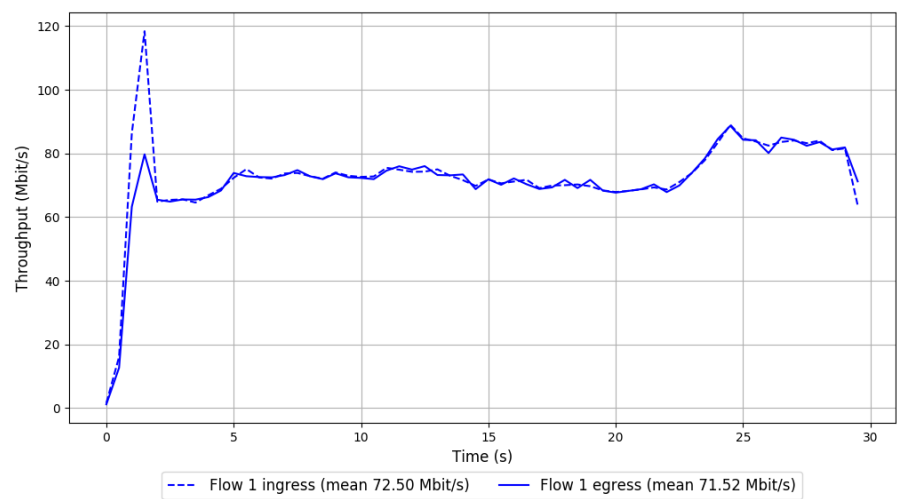


Run 2: Statistics of PCC

Start at: 2018-03-27 04:40:14
End at: 2018-03-27 04:40:44
Local clock offset: 13.441 ms
Remote clock offset: -64.365 ms

Below is generated by plot.py at 2018-03-27 08:24:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.52 Mbit/s
95th percentile per-packet one-way delay: 66.128 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 71.52 Mbit/s
95th percentile per-packet one-way delay: 66.128 ms
Loss rate: 1.35%

Run 2: Report of PCC — Data Link

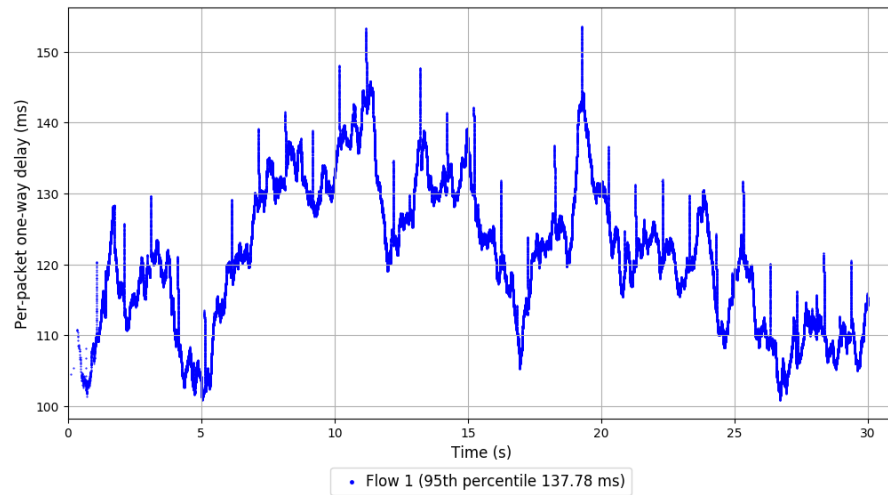
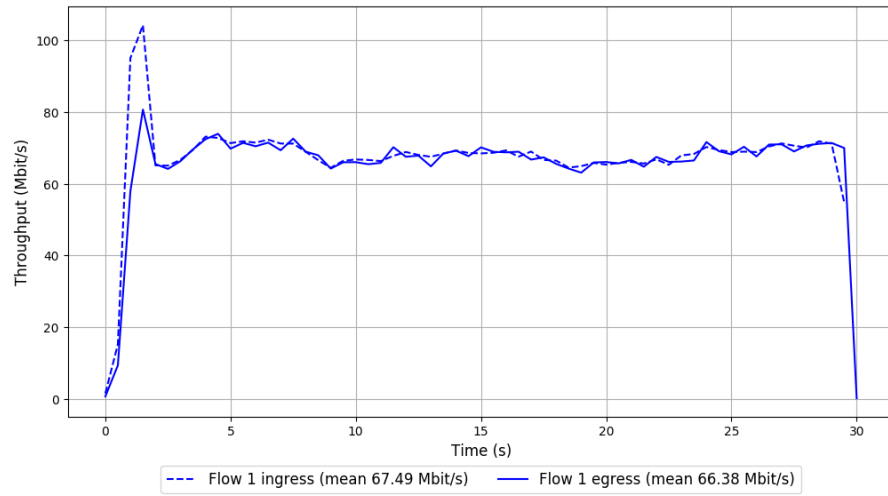


Run 3: Statistics of PCC

Start at: 2018-03-27 05:02:03
End at: 2018-03-27 05:02:33
Local clock offset: 1.531 ms
Remote clock offset: 16.545 ms

Below is generated by plot.py at 2018-03-27 08:24:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.38 Mbit/s
95th percentile per-packet one-way delay: 137.780 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 66.38 Mbit/s
95th percentile per-packet one-way delay: 137.780 ms
Loss rate: 1.61%

Run 3: Report of PCC — Data Link

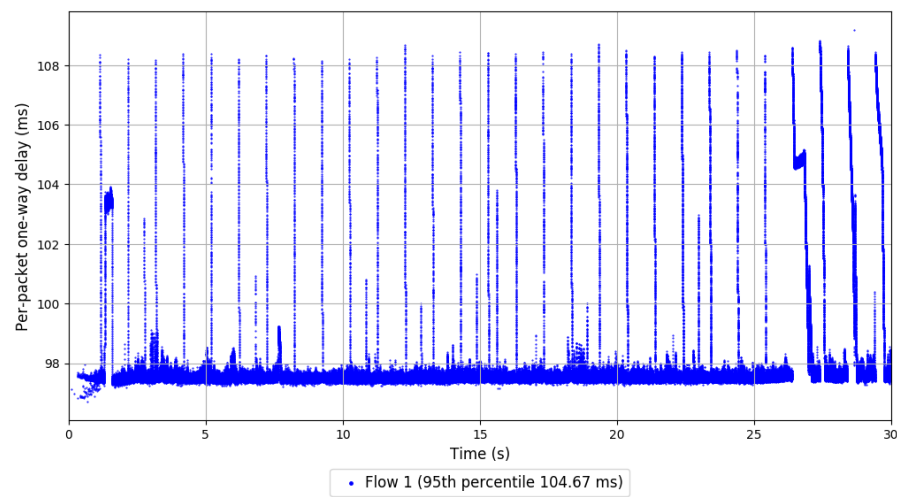
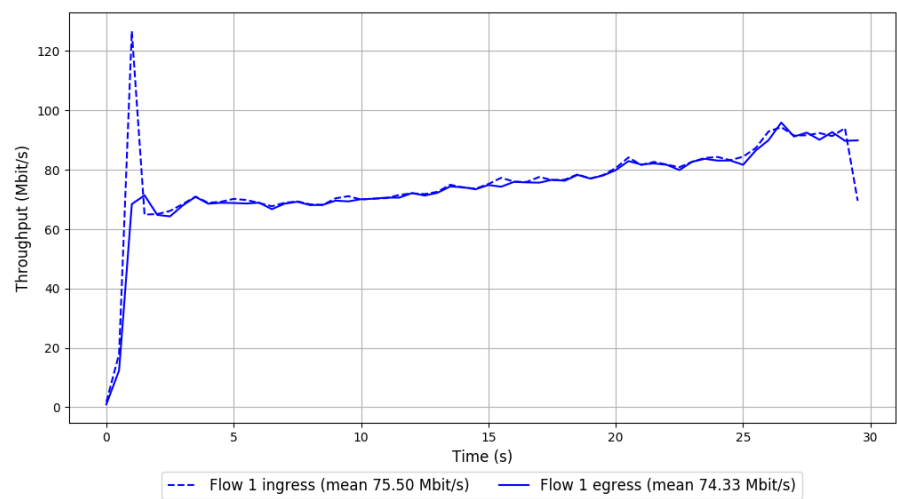


Run 4: Statistics of PCC

Start at: 2018-03-27 05:24:14
End at: 2018-03-27 05:24:44
Local clock offset: 1.325 ms
Remote clock offset: 35.505 ms

Below is generated by plot.py at 2018-03-27 08:24:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.33 Mbit/s
95th percentile per-packet one-way delay: 104.672 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 74.33 Mbit/s
95th percentile per-packet one-way delay: 104.672 ms
Loss rate: 1.55%

Run 4: Report of PCC — Data Link

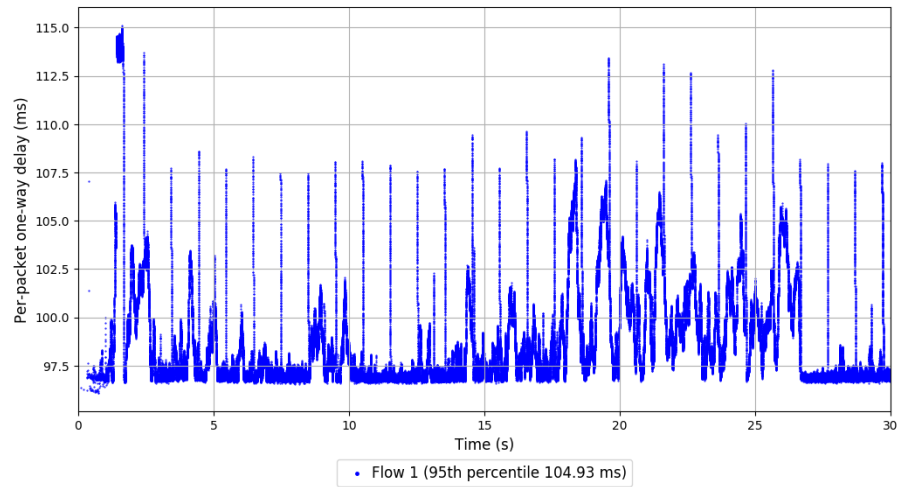
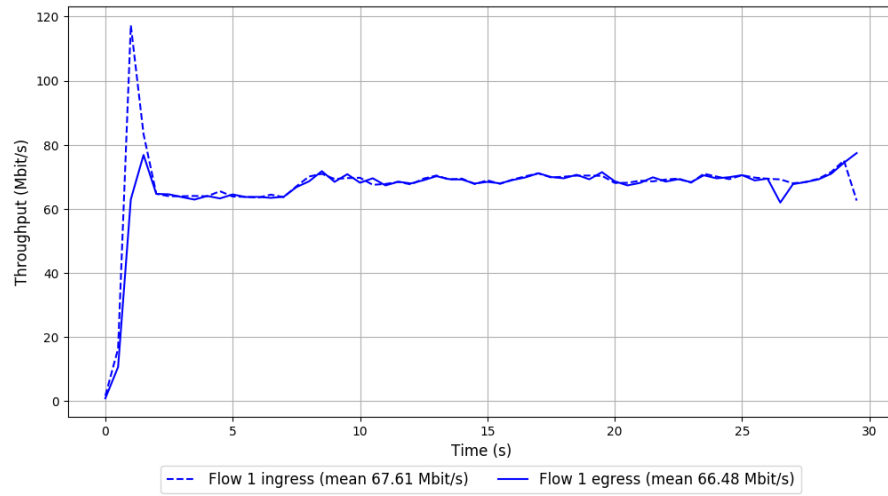


Run 5: Statistics of PCC

Start at: 2018-03-27 05:46:37
End at: 2018-03-27 05:47:07
Local clock offset: 5.77 ms
Remote clock offset: 28.693 ms

Below is generated by plot.py at 2018-03-27 08:24:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.48 Mbit/s
95th percentile per-packet one-way delay: 104.934 ms
Loss rate: 1.68%
-- Flow 1:
Average throughput: 66.48 Mbit/s
95th percentile per-packet one-way delay: 104.934 ms
Loss rate: 1.68%

Run 5: Report of PCC — Data Link

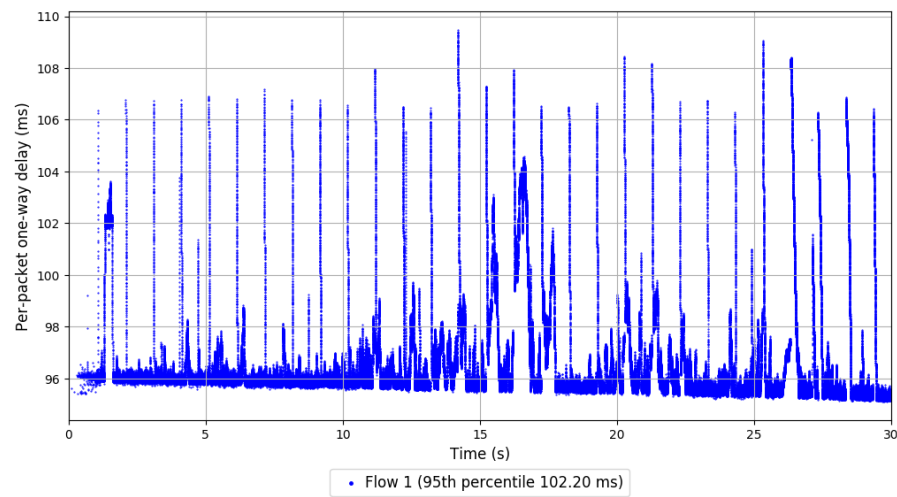
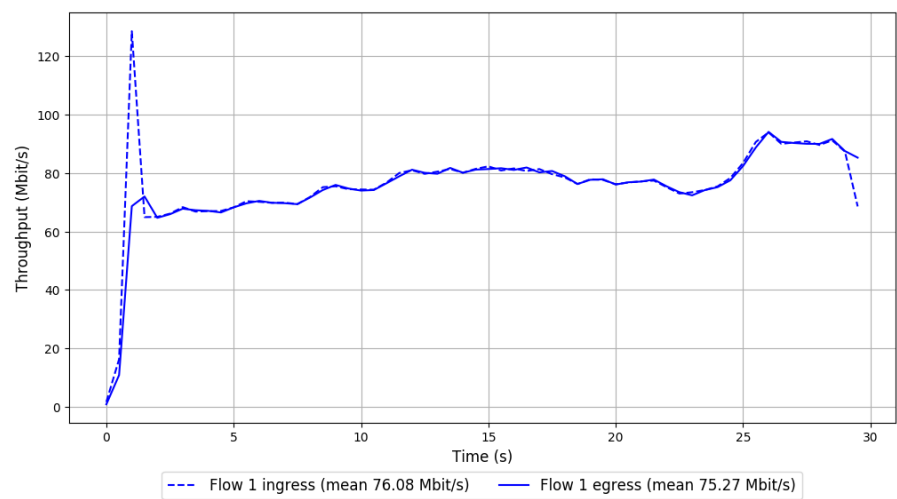


Run 6: Statistics of PCC

Start at: 2018-03-27 06:08:38
End at: 2018-03-27 06:09:08
Local clock offset: 4.309 ms
Remote clock offset: 43.091 ms

Below is generated by plot.py at 2018-03-27 08:24:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.27 Mbit/s
95th percentile per-packet one-way delay: 102.196 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 75.27 Mbit/s
95th percentile per-packet one-way delay: 102.196 ms
Loss rate: 1.07%

Run 6: Report of PCC — Data Link

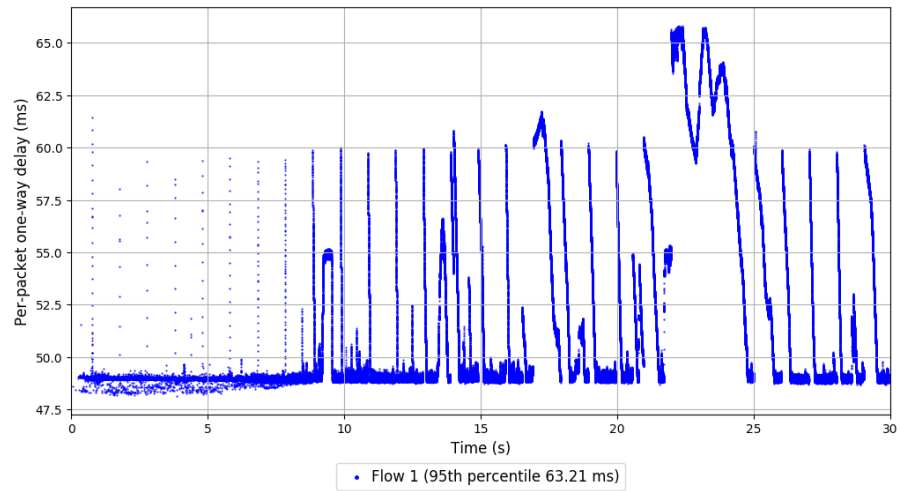
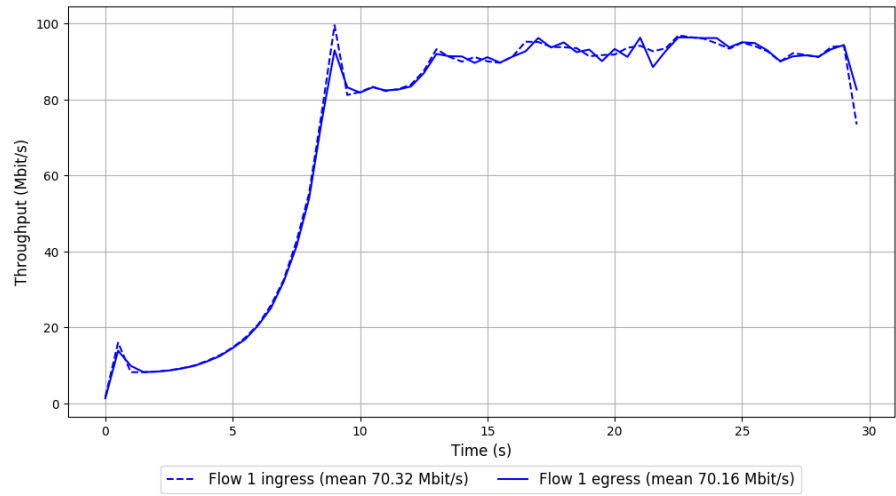


Run 7: Statistics of PCC

Start at: 2018-03-27 06:31:16
End at: 2018-03-27 06:31:46
Local clock offset: 5.575 ms
Remote clock offset: 15.264 ms

Below is generated by plot.py at 2018-03-27 08:24:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.16 Mbit/s
95th percentile per-packet one-way delay: 63.209 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 70.16 Mbit/s
95th percentile per-packet one-way delay: 63.209 ms
Loss rate: 0.22%

Run 7: Report of PCC — Data Link

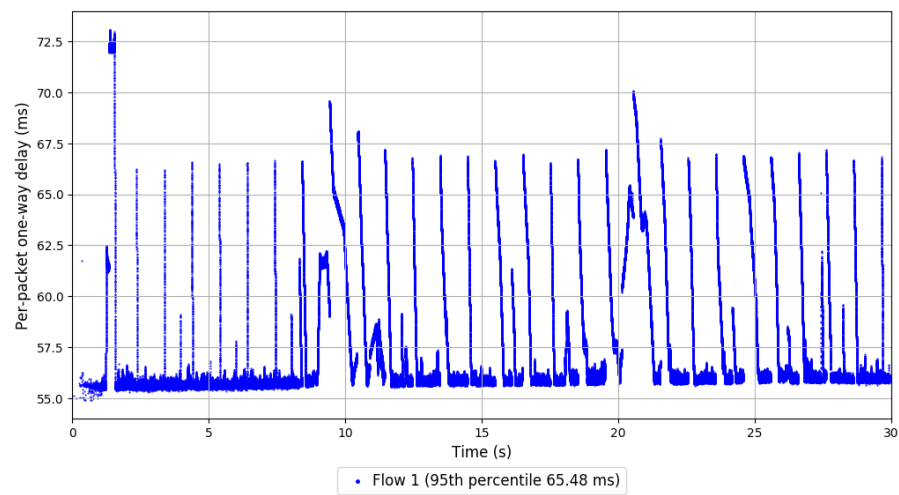
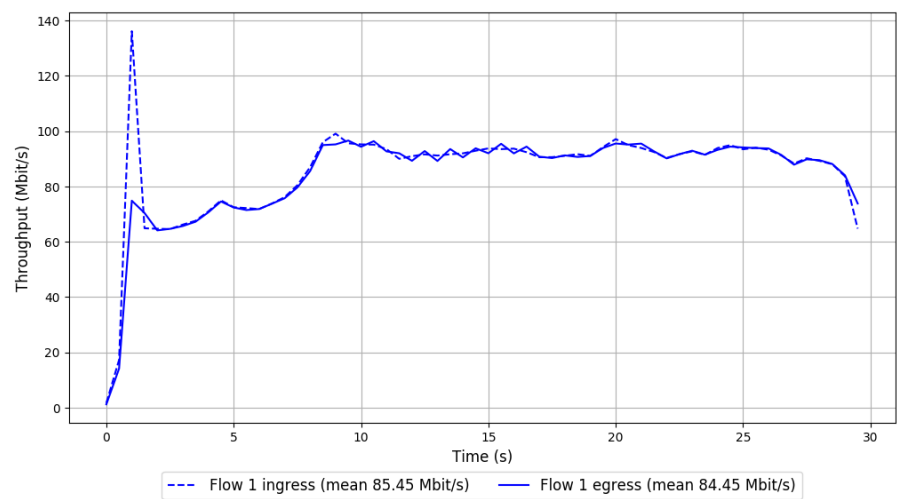


Run 8: Statistics of PCC

Start at: 2018-03-27 06:54:14
End at: 2018-03-27 06:54:44
Local clock offset: 10.202 ms
Remote clock offset: -13.901 ms

Below is generated by plot.py at 2018-03-27 08:24:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.45 Mbit/s
95th percentile per-packet one-way delay: 65.481 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 84.45 Mbit/s
95th percentile per-packet one-way delay: 65.481 ms
Loss rate: 1.17%

Run 8: Report of PCC — Data Link

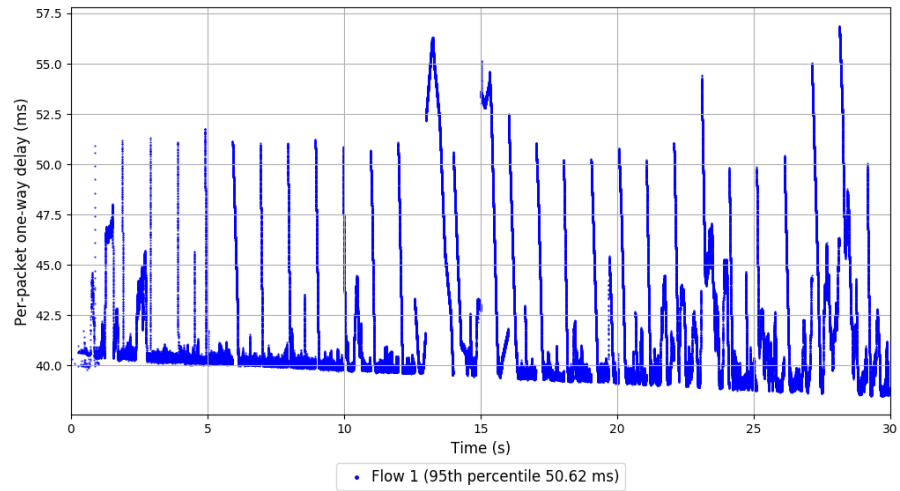
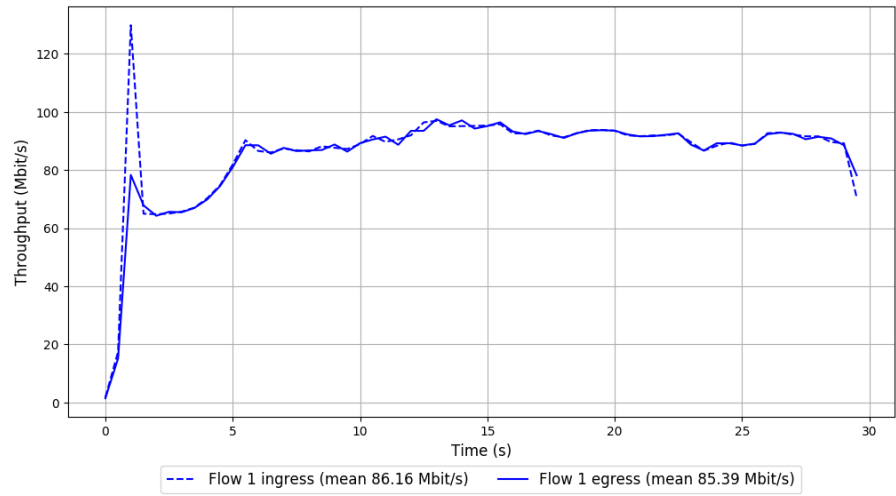


Run 9: Statistics of PCC

Start at: 2018-03-27 07:16:19
End at: 2018-03-27 07:16:49
Local clock offset: 5.291 ms
Remote clock offset: -0.381 ms

Below is generated by plot.py at 2018-03-27 08:25:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.39 Mbit/s
95th percentile per-packet one-way delay: 50.619 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 85.39 Mbit/s
95th percentile per-packet one-way delay: 50.619 ms
Loss rate: 0.90%

Run 9: Report of PCC — Data Link

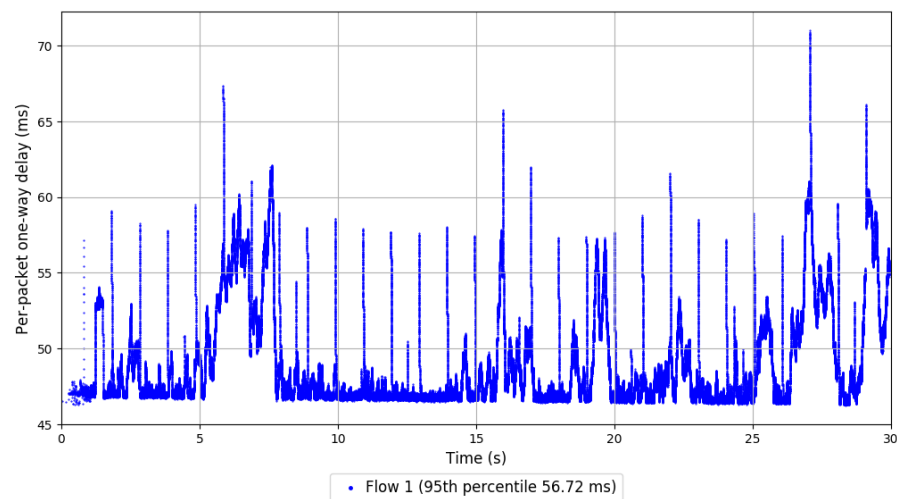
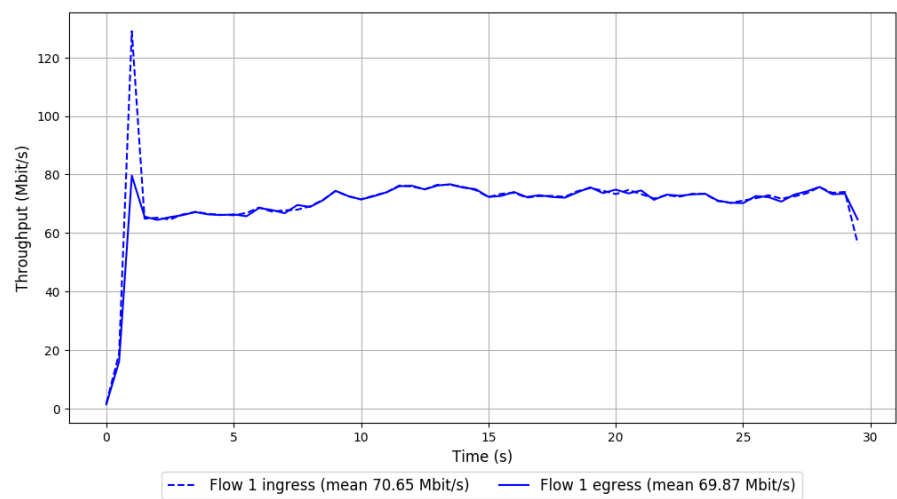


Run 10: Statistics of PCC

Start at: 2018-03-27 07:38:08
End at: 2018-03-27 07:38:38
Local clock offset: 4.071 ms
Remote clock offset: 51.538 ms

Below is generated by plot.py at 2018-03-27 08:25:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.87 Mbit/s
95th percentile per-packet one-way delay: 56.715 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 69.87 Mbit/s
95th percentile per-packet one-way delay: 56.715 ms
Loss rate: 1.08%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

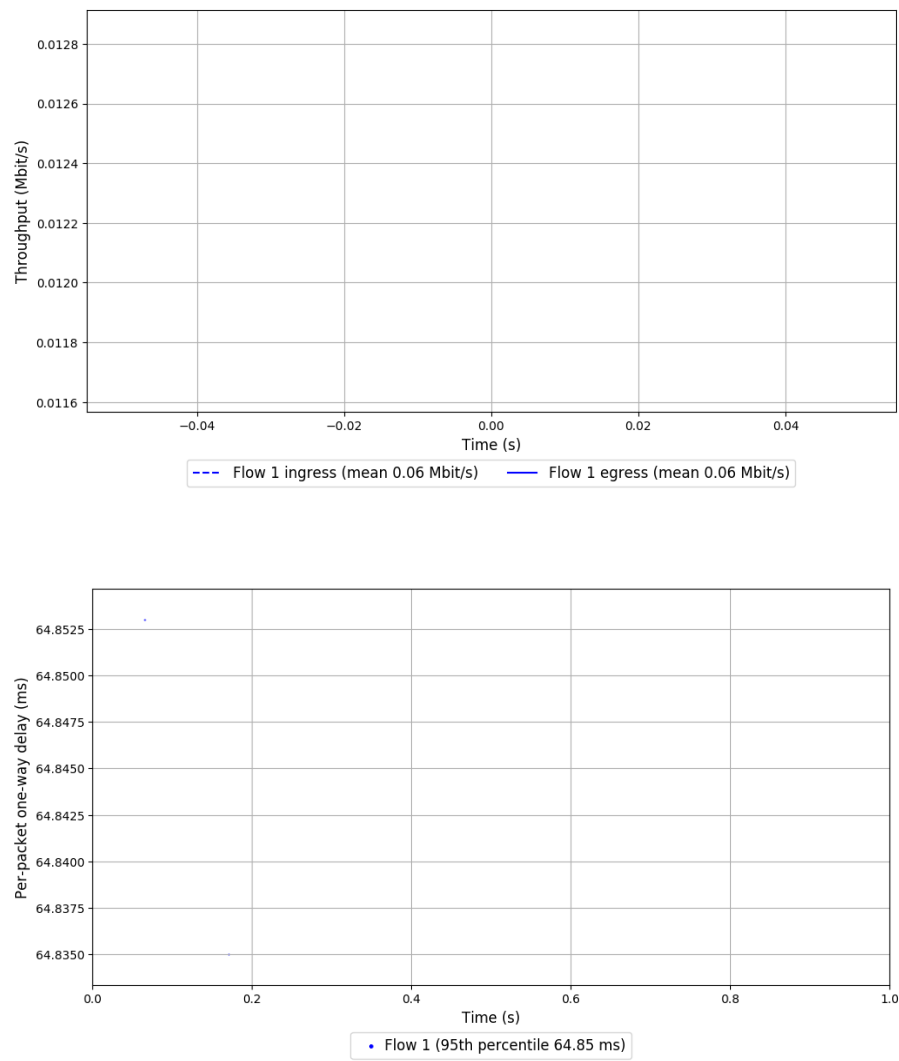
Start at: 2018-03-27 04:14:53

End at: 2018-03-27 04:15:23

Local clock offset: -0.075 ms

Remote clock offset: -25.575 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-03-27 04:36:34

End at: 2018-03-27 04:37:04

Local clock offset: 12.499 ms

Remote clock offset: 0.106 ms

Below is generated by plot.py at 2018-03-27 08:25:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.80 Mbit/s

95th percentile per-packet one-way delay: 178.819 ms

Loss rate: 0.10%

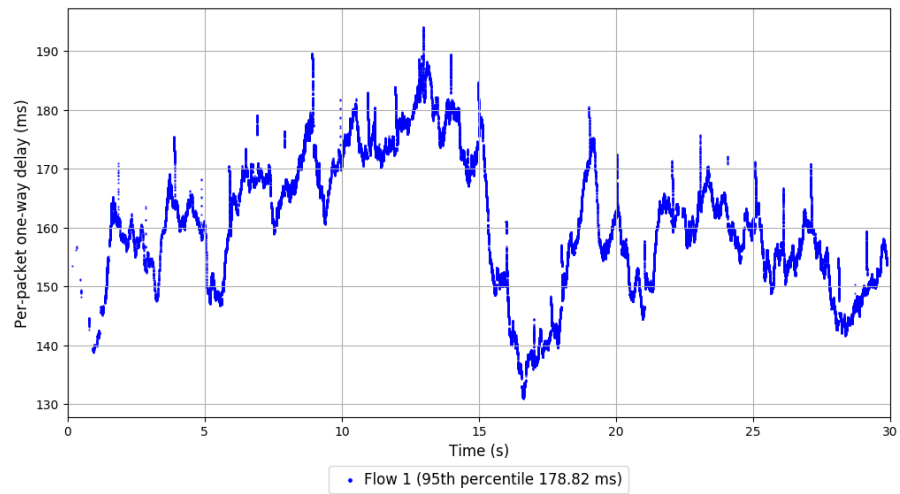
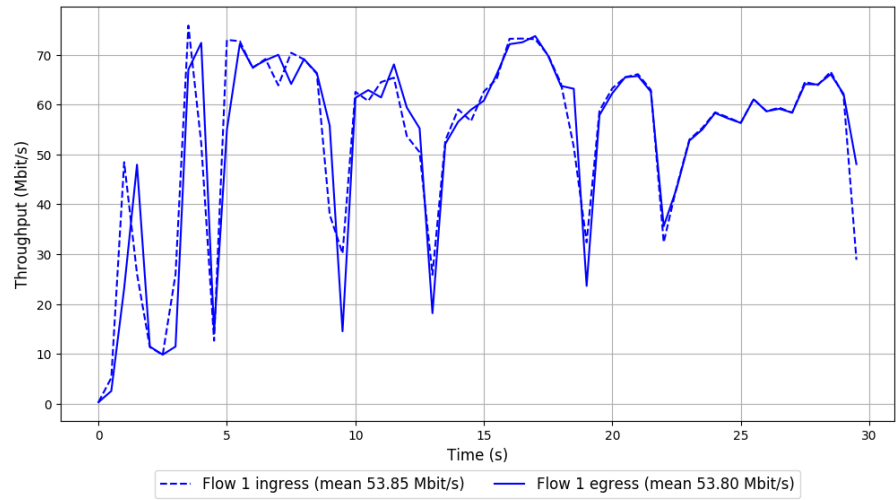
-- Flow 1:

Average throughput: 53.80 Mbit/s

95th percentile per-packet one-way delay: 178.819 ms

Loss rate: 0.10%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-03-27 04:58:20

End at: 2018-03-27 04:58:50

Local clock offset: 2.745 ms

Remote clock offset: 7.776 ms

Below is generated by plot.py at 2018-03-27 08:25:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.59 Mbit/s

95th percentile per-packet one-way delay: 134.554 ms

Loss rate: 0.25%

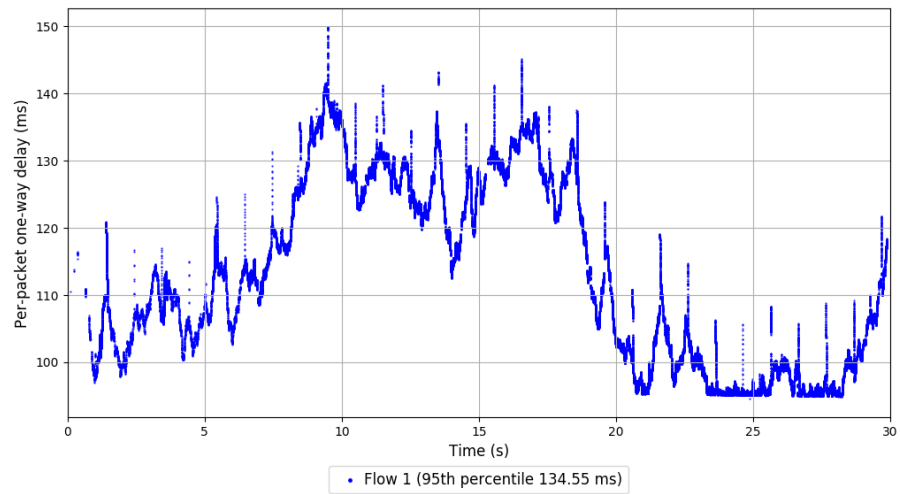
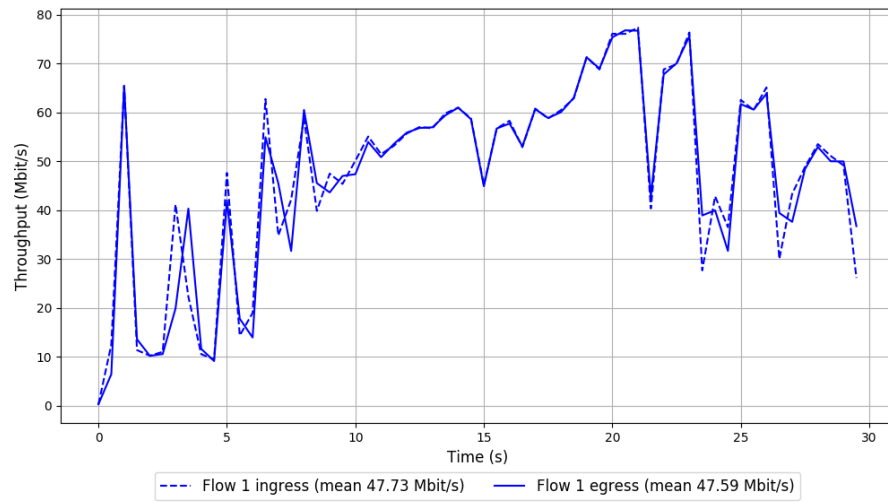
-- Flow 1:

Average throughput: 47.59 Mbit/s

95th percentile per-packet one-way delay: 134.554 ms

Loss rate: 0.25%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-03-27 05:20:32

End at: 2018-03-27 05:21:02

Local clock offset: -0.901 ms

Remote clock offset: 34.294 ms

Below is generated by plot.py at 2018-03-27 08:25:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.53 Mbit/s

95th percentile per-packet one-way delay: 101.256 ms

Loss rate: 0.16%

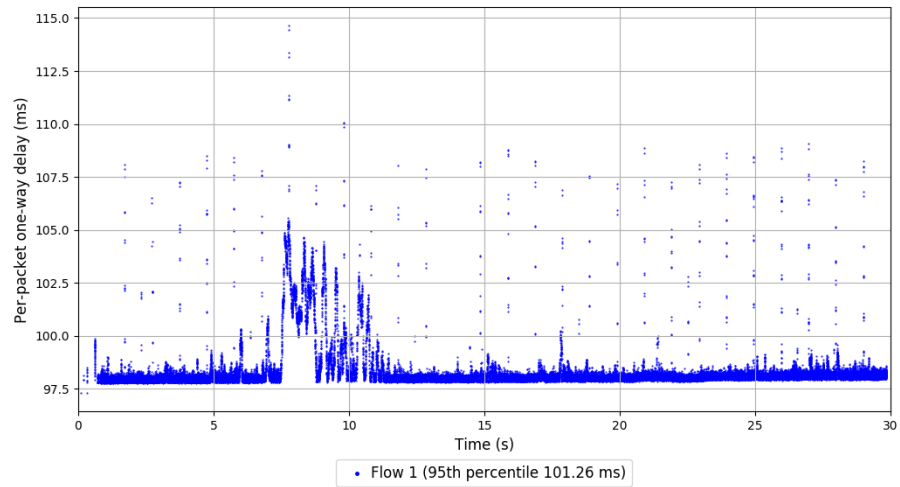
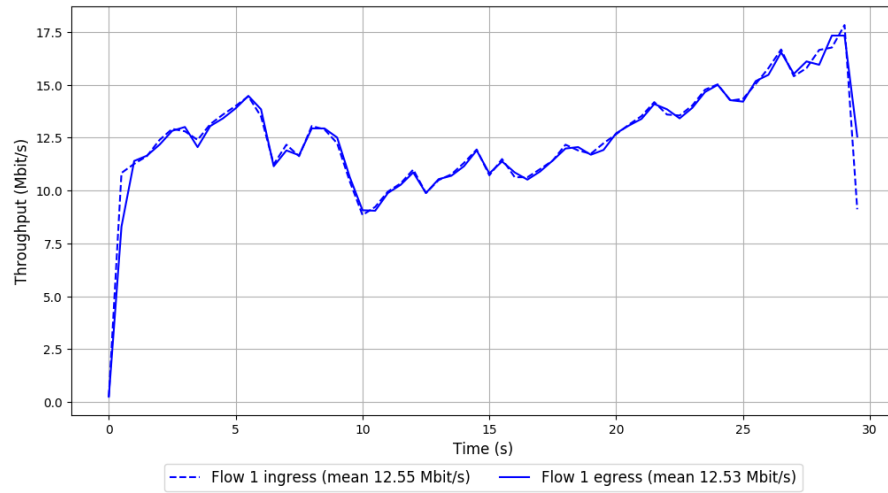
-- Flow 1:

Average throughput: 12.53 Mbit/s

95th percentile per-packet one-way delay: 101.256 ms

Loss rate: 0.16%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-03-27 05:42:45

End at: 2018-03-27 05:43:15

Local clock offset: 5.563 ms

Remote clock offset: 28.845 ms

Below is generated by plot.py at 2018-03-27 08:25:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.18 Mbit/s

95th percentile per-packet one-way delay: 126.000 ms

Loss rate: 0.52%

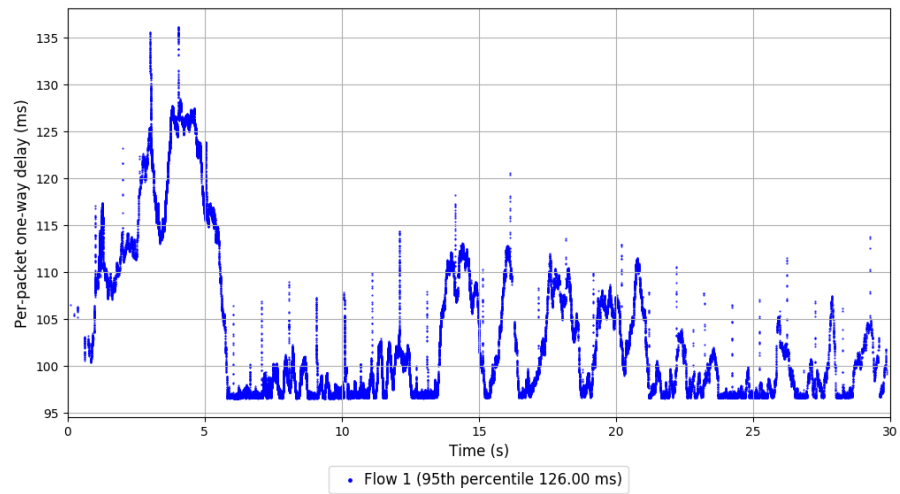
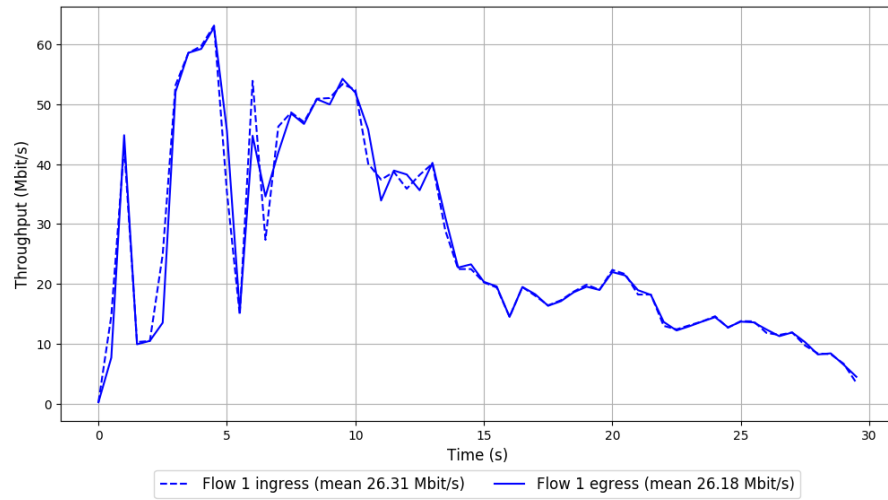
-- Flow 1:

Average throughput: 26.18 Mbit/s

95th percentile per-packet one-way delay: 126.000 ms

Loss rate: 0.52%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-03-27 06:04:54

End at: 2018-03-27 06:05:24

Local clock offset: 4.626 ms

Remote clock offset: 36.331 ms

Below is generated by plot.py at 2018-03-27 08:25:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.70 Mbit/s

95th percentile per-packet one-way delay: 107.199 ms

Loss rate: 0.40%

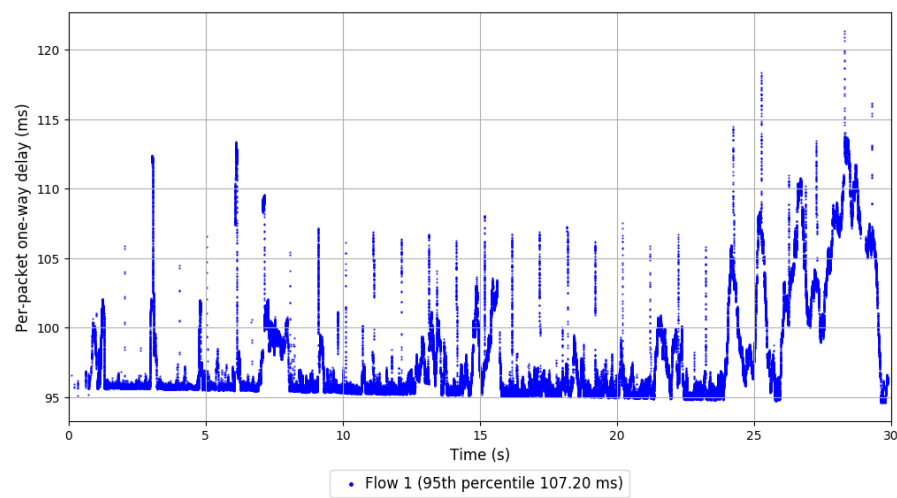
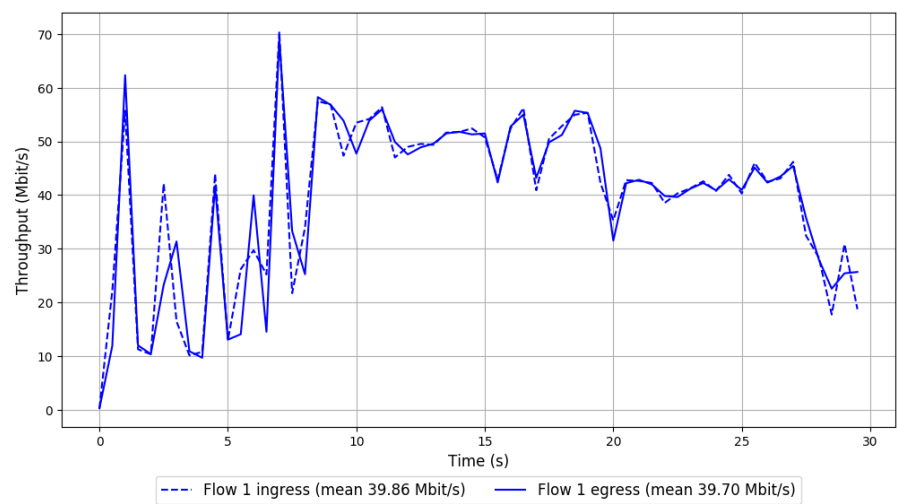
-- Flow 1:

Average throughput: 39.70 Mbit/s

95th percentile per-packet one-way delay: 107.199 ms

Loss rate: 0.40%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-03-27 06:27:17

End at: 2018-03-27 06:27:47

Local clock offset: 3.507 ms

Remote clock offset: 60.766 ms

Below is generated by plot.py at 2018-03-27 08:25:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.18 Mbit/s

95th percentile per-packet one-way delay: 97.528 ms

Loss rate: 0.59%

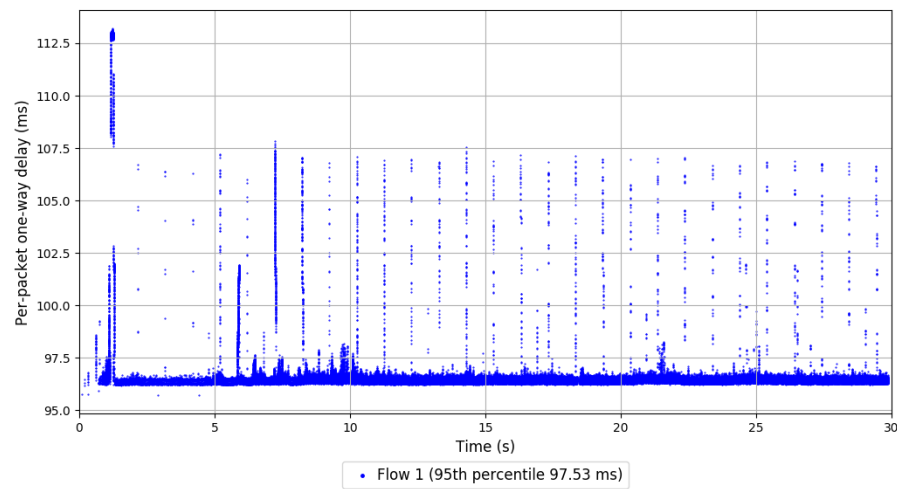
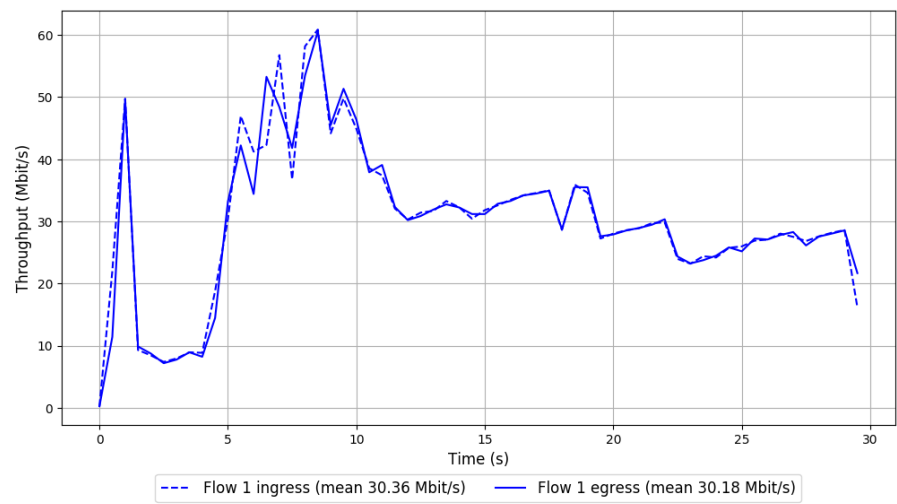
-- Flow 1:

Average throughput: 30.18 Mbit/s

95th percentile per-packet one-way delay: 97.528 ms

Loss rate: 0.59%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-03-27 06:50:32

End at: 2018-03-27 06:51:02

Local clock offset: 10.214 ms

Remote clock offset: -20.16 ms

Below is generated by plot.py at 2018-03-27 08:25:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.68 Mbit/s

95th percentile per-packet one-way delay: 49.210 ms

Loss rate: 0.35%

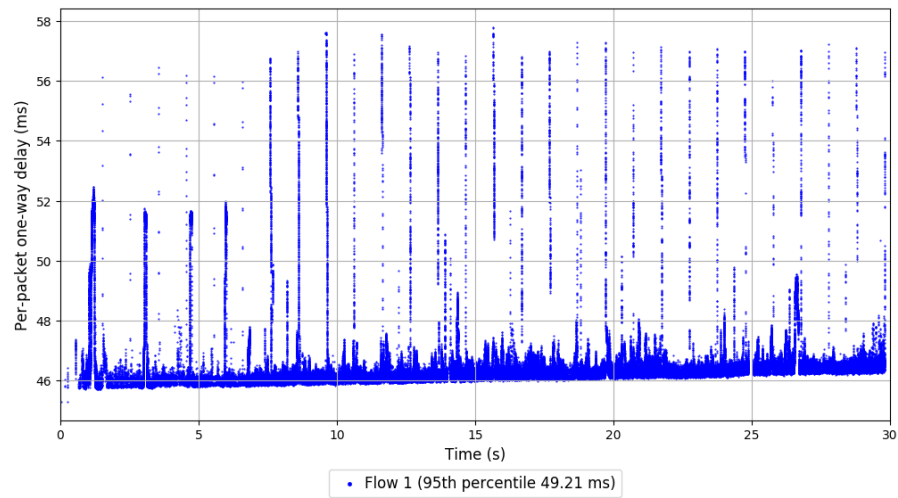
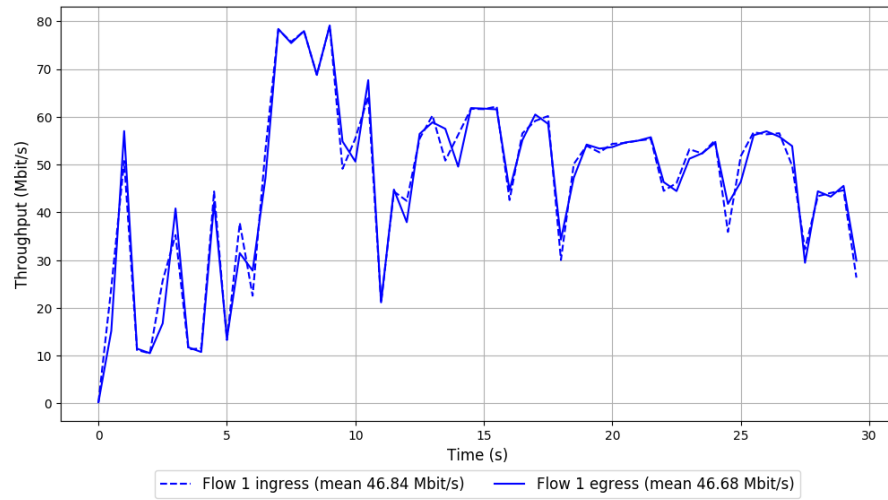
-- Flow 1:

Average throughput: 46.68 Mbit/s

95th percentile per-packet one-way delay: 49.210 ms

Loss rate: 0.35%

Run 8: Report of QUIC Cubic — Data Link

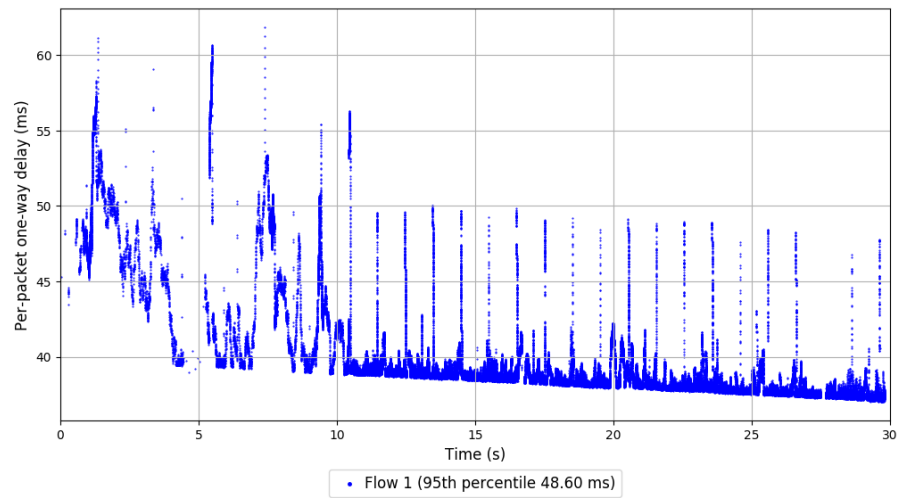
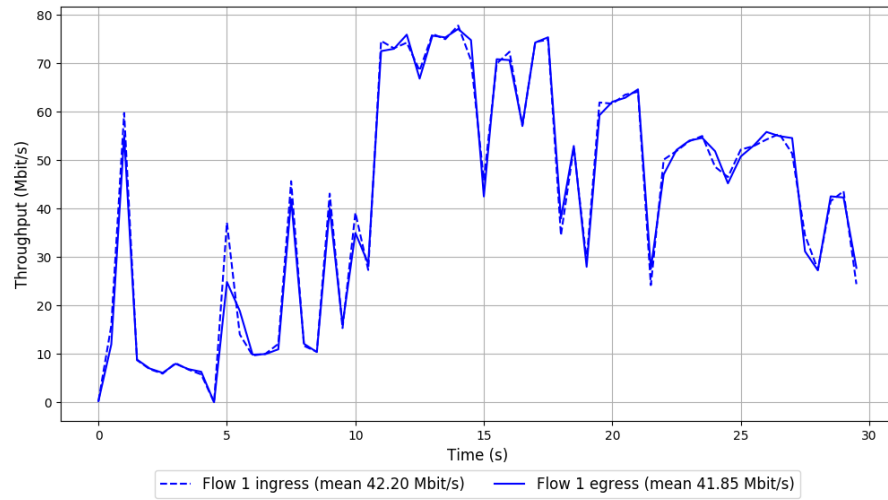


Run 9: Statistics of QUIC Cubic

Start at: 2018-03-27 07:12:36
End at: 2018-03-27 07:13:06
Local clock offset: 6.163 ms
Remote clock offset: -18.574 ms

Below is generated by plot.py at 2018-03-27 08:25:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.85 Mbit/s
95th percentile per-packet one-way delay: 48.601 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 41.85 Mbit/s
95th percentile per-packet one-way delay: 48.601 ms
Loss rate: 0.88%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-03-27 07:34:24

End at: 2018-03-27 07:34:54

Local clock offset: 3.67 ms

Remote clock offset: 47.721 ms

Below is generated by plot.py at 2018-03-27 08:26:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.79 Mbit/s

95th percentile per-packet one-way delay: 90.245 ms

Loss rate: 0.49%

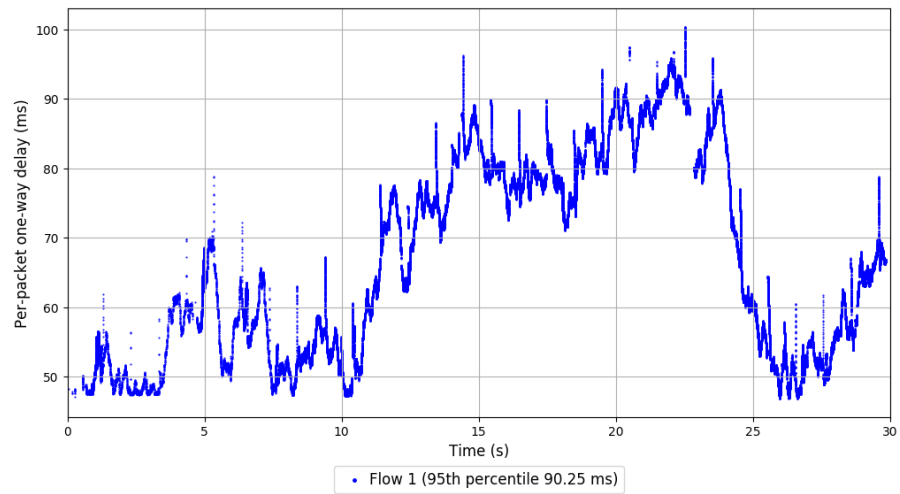
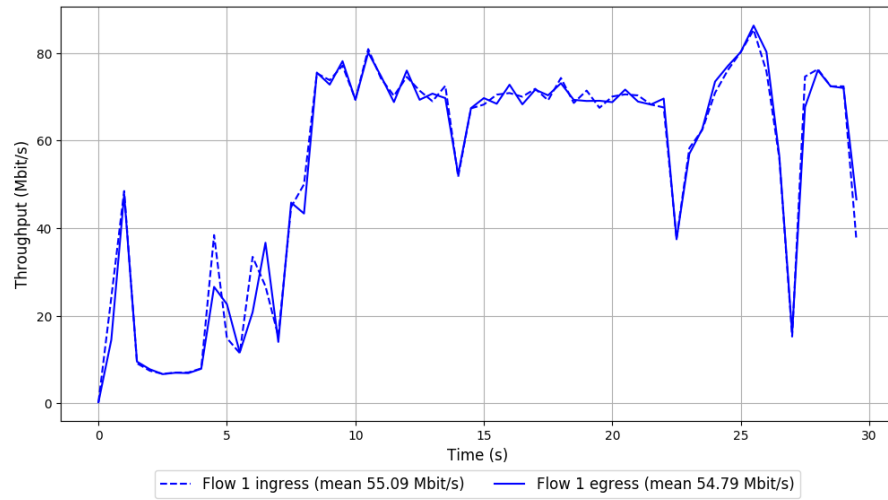
-- Flow 1:

Average throughput: 54.79 Mbit/s

95th percentile per-packet one-way delay: 90.245 ms

Loss rate: 0.49%

Run 10: Report of QUIC Cubic — Data Link

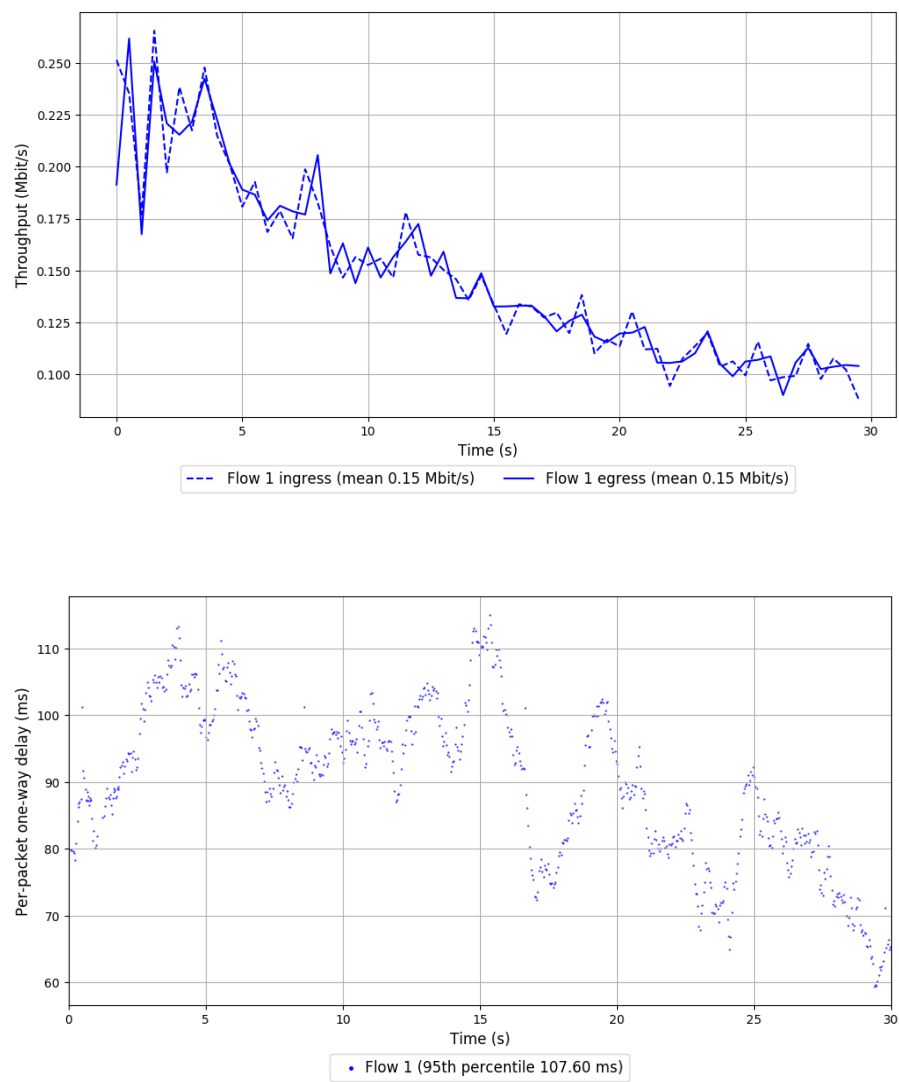


```
Run 1: Statistics of SCReAM

Start at: 2018-03-27 04:28:09
End at: 2018-03-27 04:28:39
Local clock offset: 9.539 ms
Remote clock offset: -37.257 ms

# Below is generated by plot.py at 2018-03-27 08:26:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 107.600 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 107.600 ms
Loss rate: 0.00%
```

Run 1: Report of SCRaM — Data Link

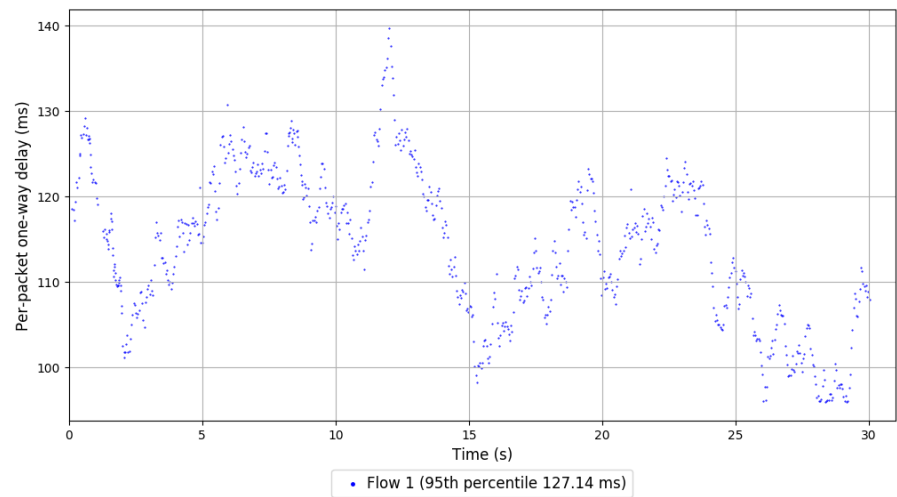
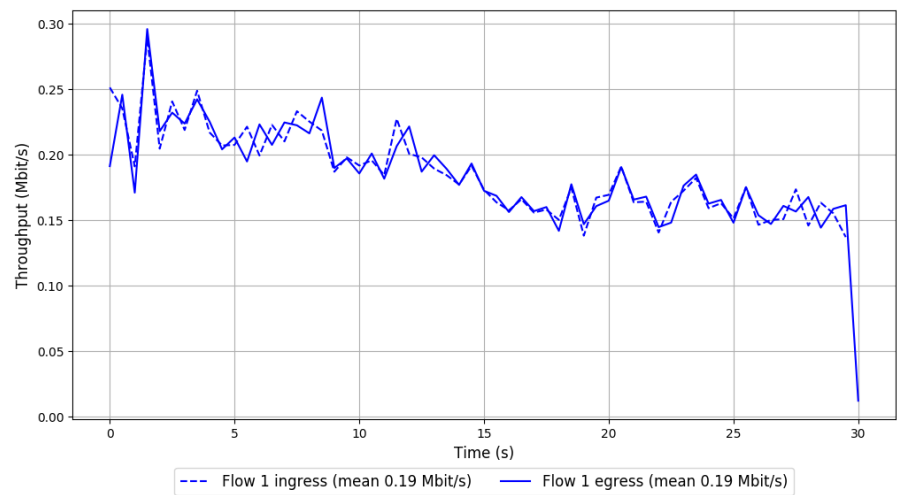


Run 2: Statistics of SCReAM

Start at: 2018-03-27 04:50:00
End at: 2018-03-27 04:50:30
Local clock offset: 8.473 ms
Remote clock offset: -7.628 ms

Below is generated by plot.py at 2018-03-27 08:26:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 127.143 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 127.143 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

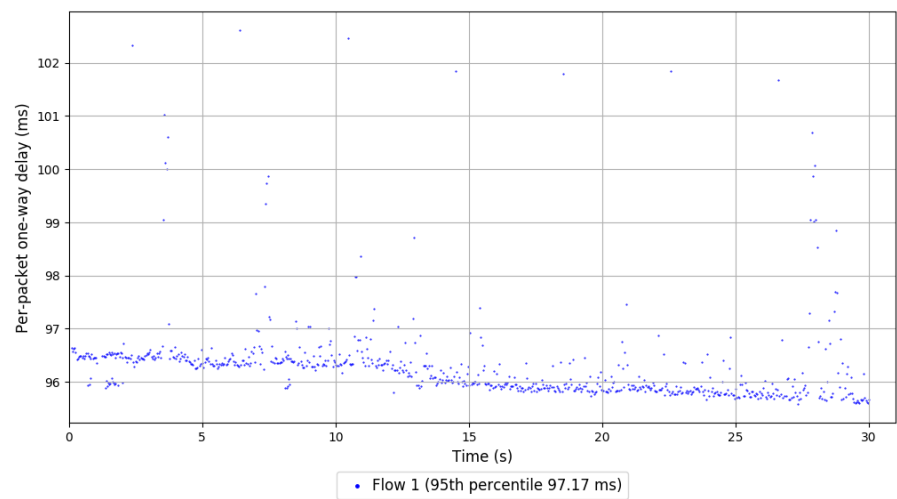
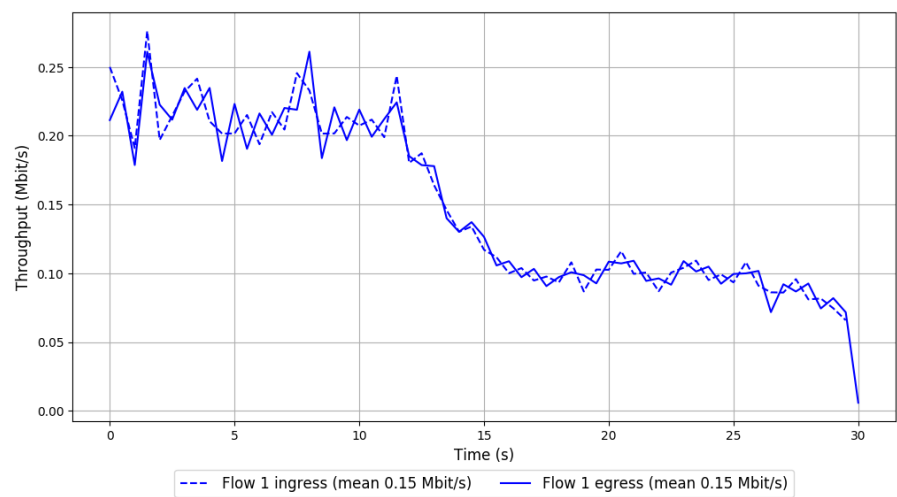


Run 3: Statistics of SReAM

Start at: 2018-03-27 05:11:54
End at: 2018-03-27 05:12:24
Local clock offset: -0.842 ms
Remote clock offset: 28.252 ms

Below is generated by plot.py at 2018-03-27 08:26:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 97.169 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 97.169 ms
Loss rate: 0.30%

Run 3: Report of SReAM — Data Link

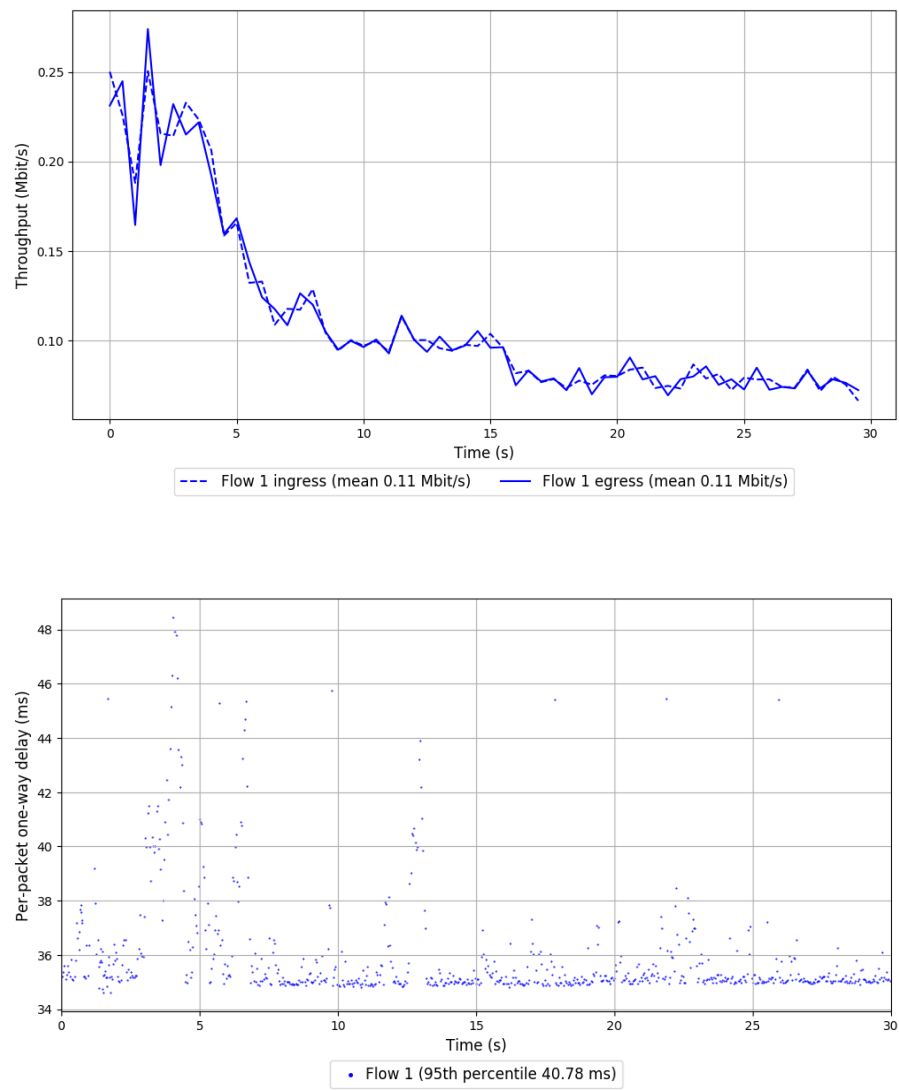


Run 4: Statistics of SCReAM

Start at: 2018-03-27 05:34:07
End at: 2018-03-27 05:34:37
Local clock offset: 4.714 ms
Remote clock offset: -30.306 ms

Below is generated by plot.py at 2018-03-27 08:26:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 40.784 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 40.784 ms
Loss rate: 0.39%

Run 4: Report of SReAM — Data Link

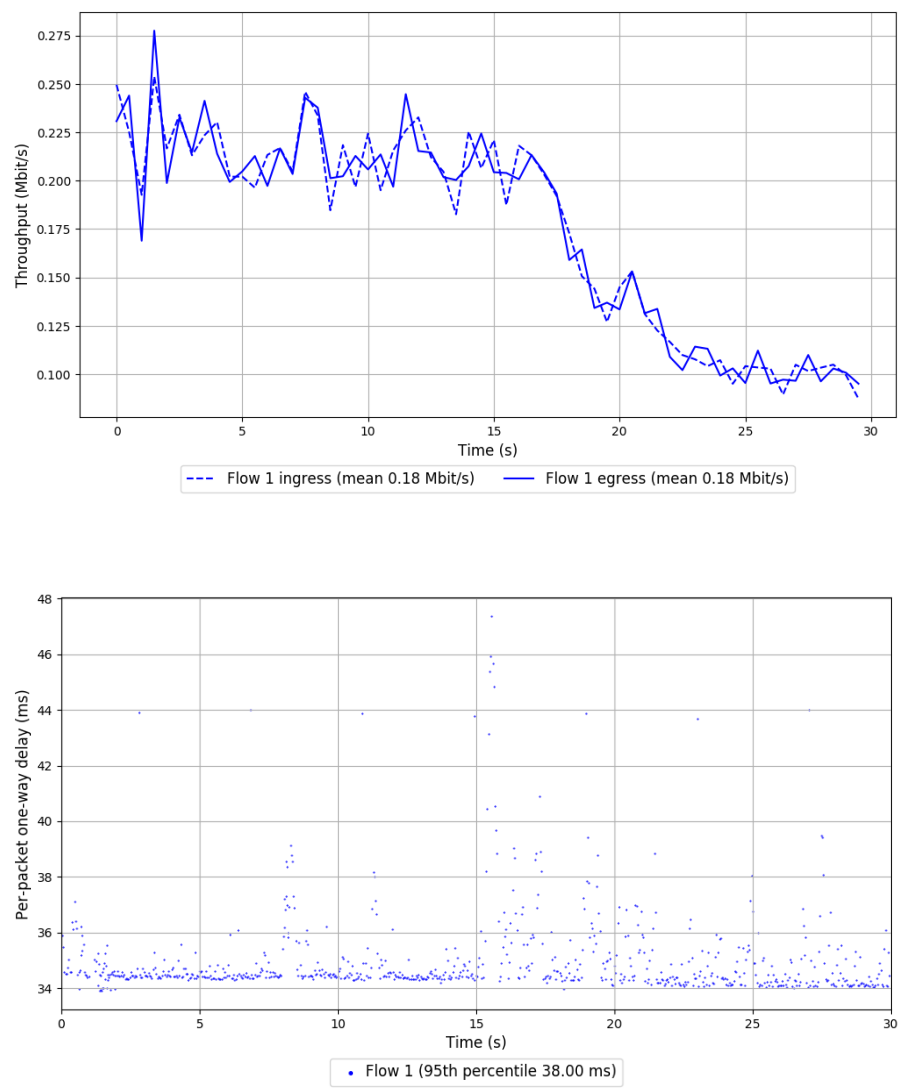


Run 5: Statistics of SCReAM

Start at: 2018-03-27 05:56:34
End at: 2018-03-27 05:57:04
Local clock offset: 5.606 ms
Remote clock offset: -32.717 ms

Below is generated by plot.py at 2018-03-27 08:26:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 37.997 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 37.997 ms
Loss rate: 0.14%

Run 5: Report of SReAM — Data Link

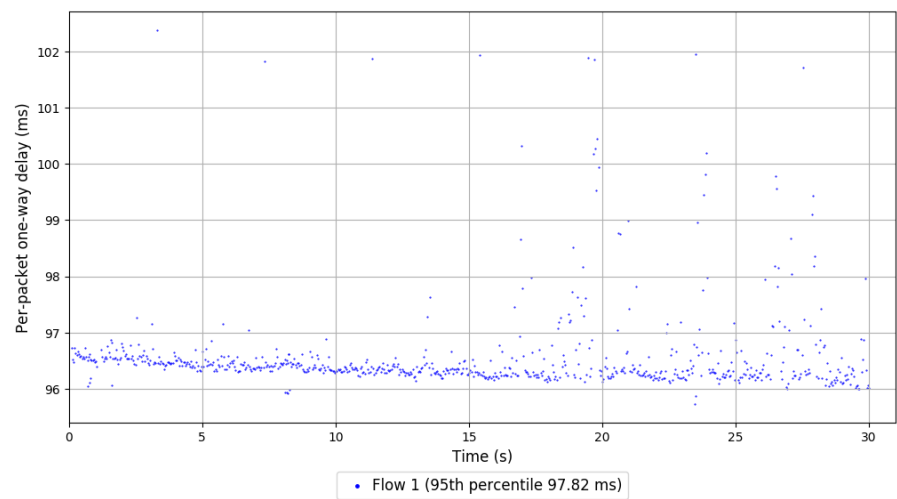
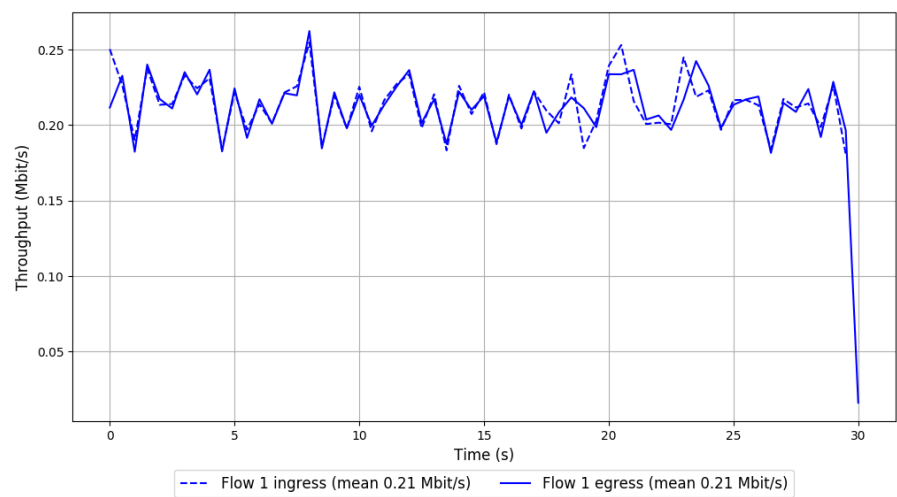


Run 6: Statistics of SCReAM

Start at: 2018-03-27 06:18:35
End at: 2018-03-27 06:19:05
Local clock offset: 3.727 ms
Remote clock offset: 54.521 ms

Below is generated by plot.py at 2018-03-27 08:26:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 97.820 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 97.820 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

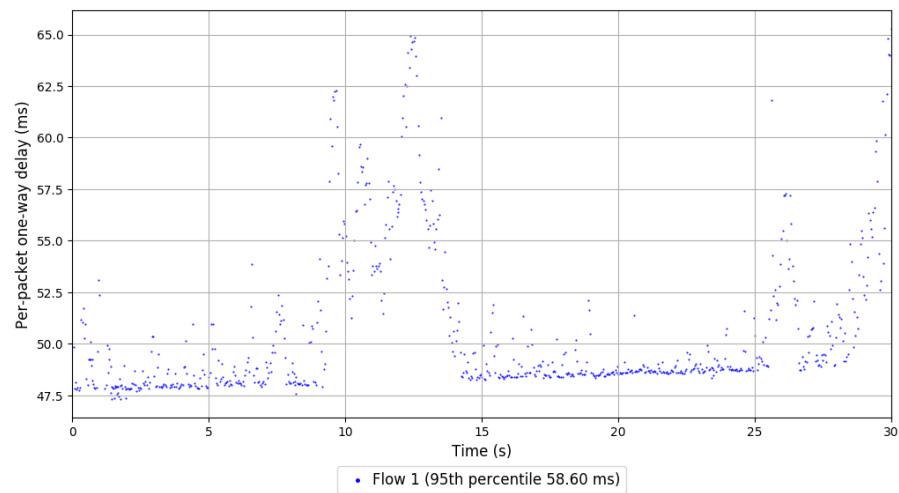
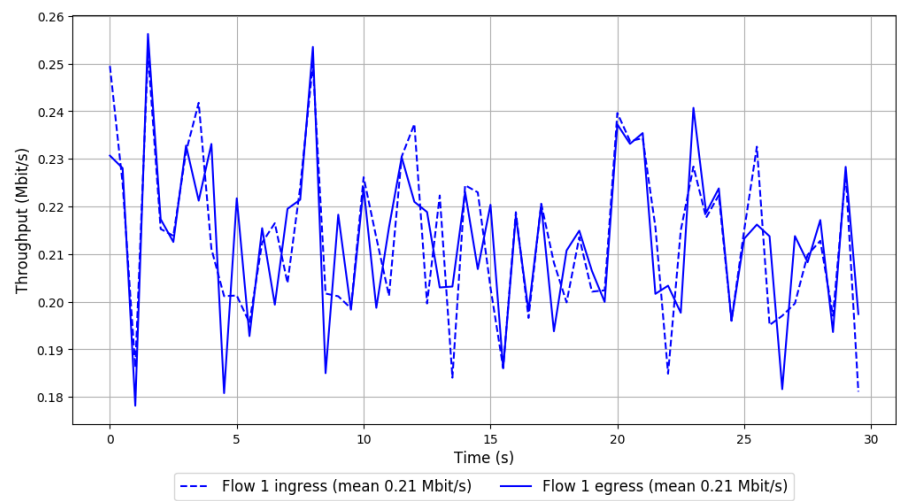


Run 7: Statistics of SCReAM

Start at: 2018-03-27 06:41:57
End at: 2018-03-27 06:42:27
Local clock offset: 8.78 ms
Remote clock offset: -4.953 ms

Below is generated by plot.py at 2018-03-27 08:26:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 58.605 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 58.605 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

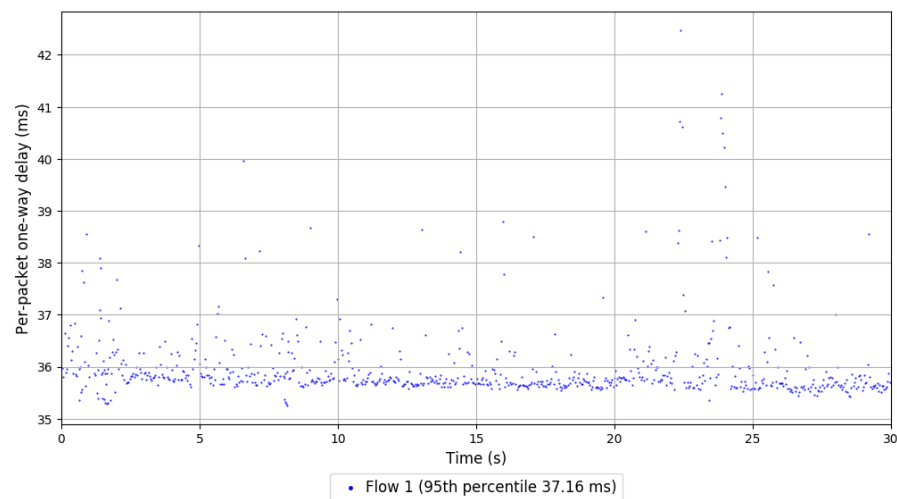
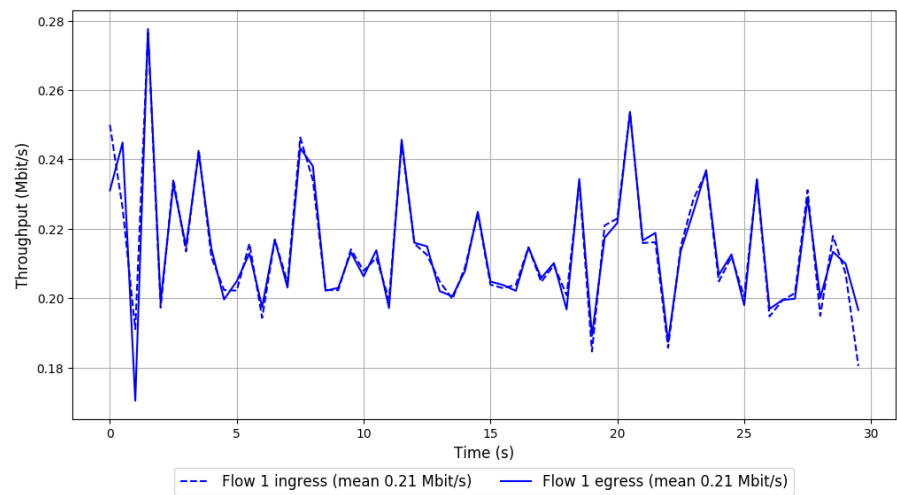


Run 8: Statistics of SCReAM

Start at: 2018-03-27 07:04:01
End at: 2018-03-27 07:04:31
Local clock offset: 9.543 ms
Remote clock offset: -37.164 ms

Below is generated by plot.py at 2018-03-27 08:26:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 37.157 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 37.157 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

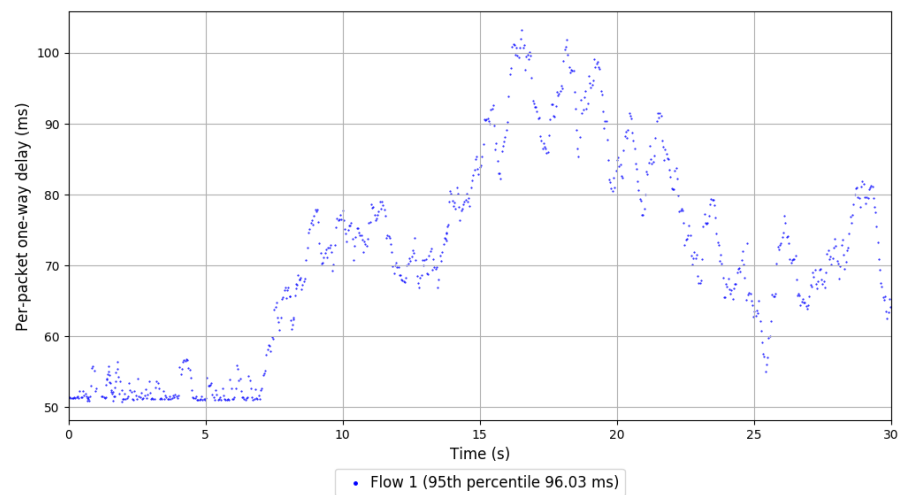
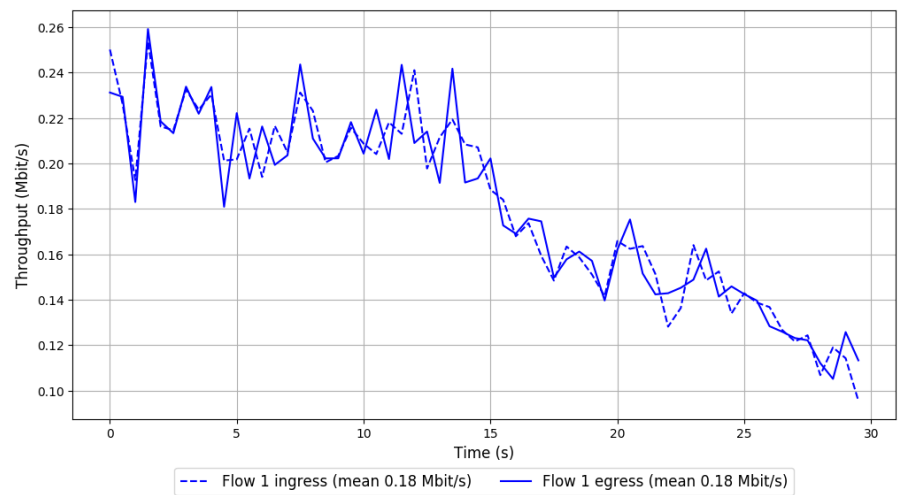


Run 9: Statistics of SCReAM

Start at: 2018-03-27 07:26:04
End at: 2018-03-27 07:26:34
Local clock offset: 4.071 ms
Remote clock offset: 37.438 ms

Below is generated by plot.py at 2018-03-27 08:26:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 96.034 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 96.034 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-03-27 07:47:53

End at: 2018-03-27 07:48:23

Local clock offset: 5.444 ms

Remote clock offset: 40.138 ms

Below is generated by plot.py at 2018-03-27 08:26:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 77.657 ms

Loss rate: 0.00%

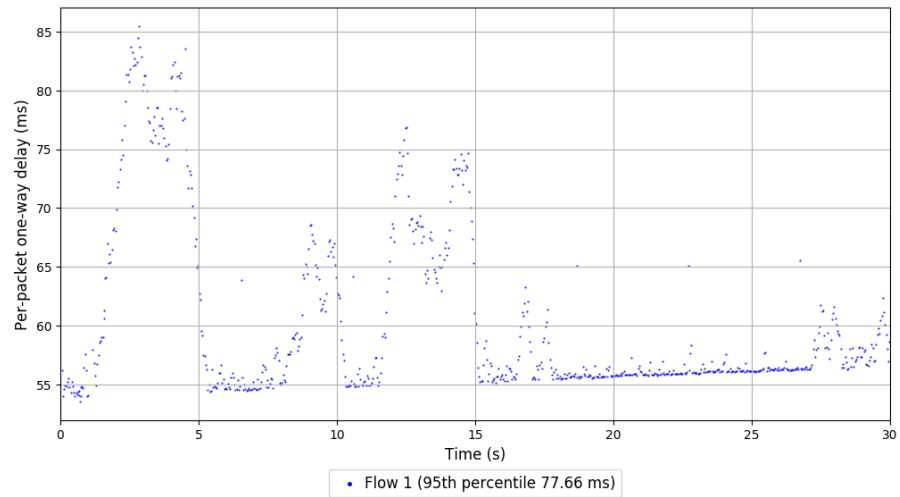
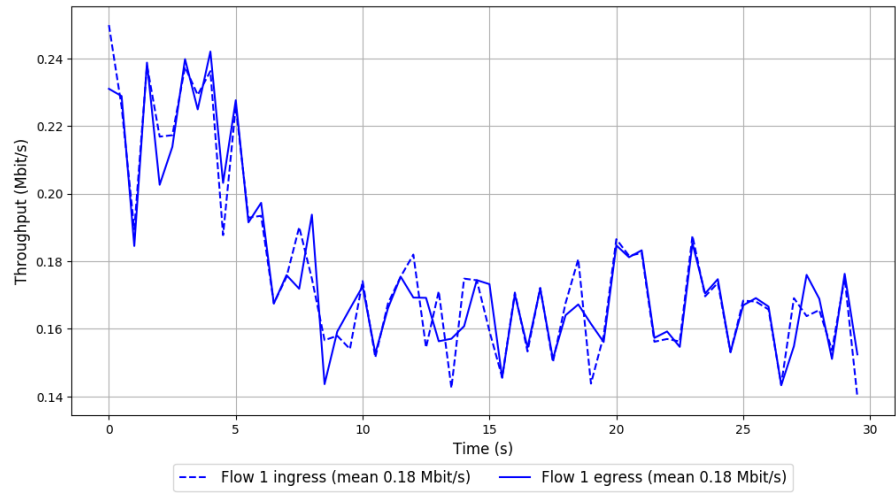
-- Flow 1:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 77.657 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

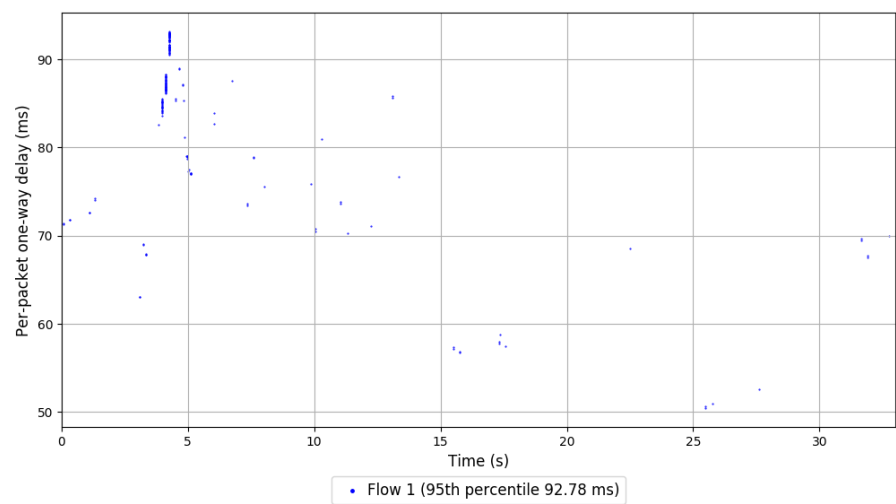
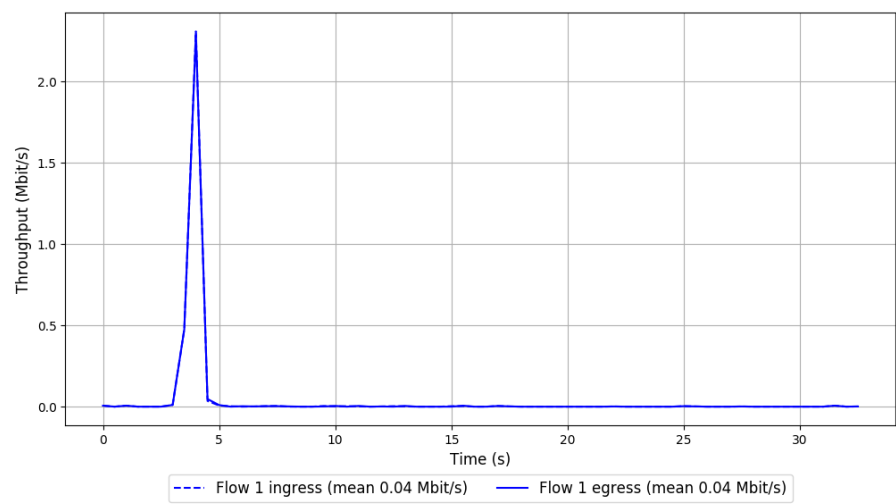


```
Run 1: Statistics of WebRTC media

Start at: 2018-03-27 04:30:32
End at: 2018-03-27 04:31:02
Local clock offset: 10.366 ms
Remote clock offset: -46.754 ms

# Below is generated by plot.py at 2018-03-27 08:26:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 92.785 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 92.785 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

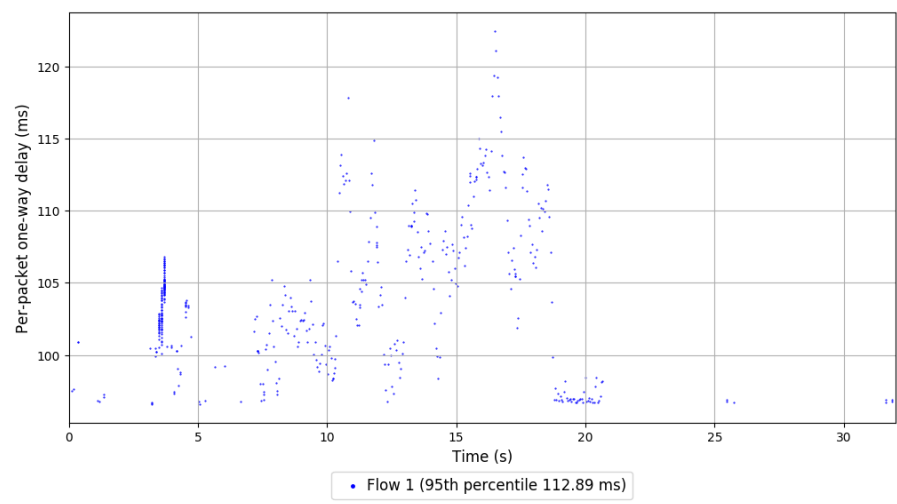
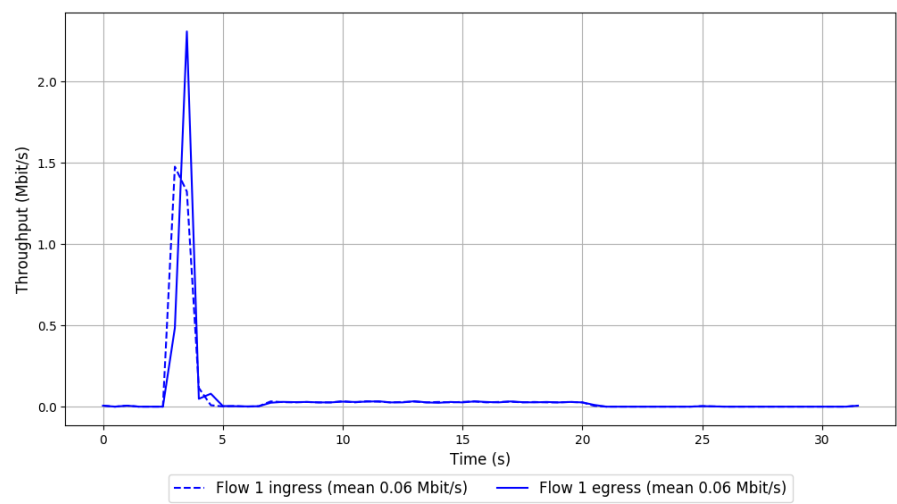


Run 2: Statistics of WebRTC media

Start at: 2018-03-27 04:52:22
End at: 2018-03-27 04:52:52
Local clock offset: 6.407 ms
Remote clock offset: -7.537 ms

Below is generated by plot.py at 2018-03-27 08:26:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 112.891 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 112.891 ms
Loss rate: 0.07%

Run 2: Report of WebRTC media — Data Link

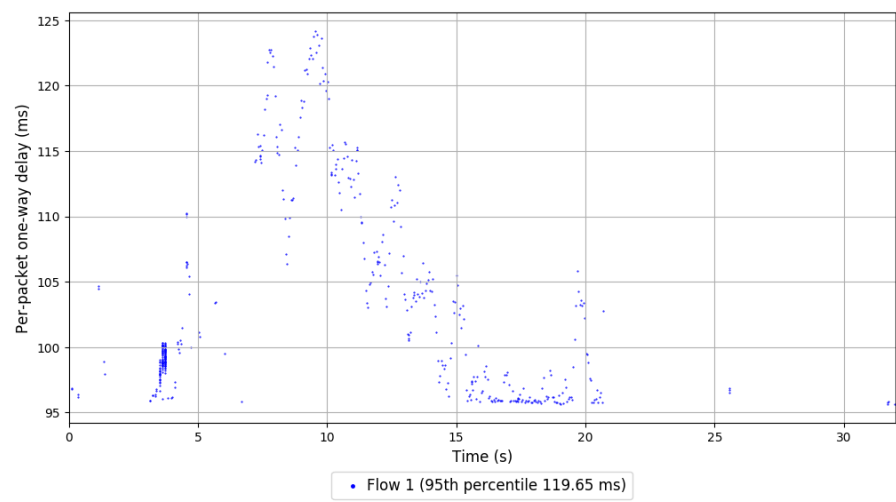
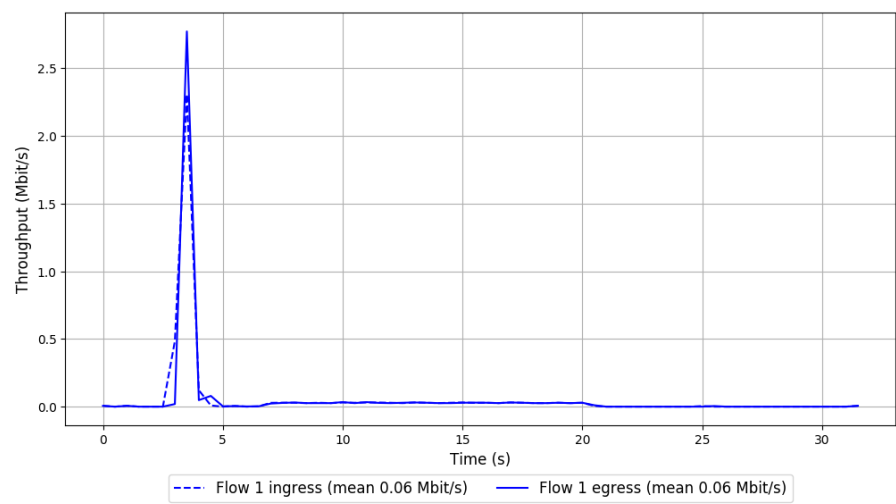


Run 3: Statistics of WebRTC media

Start at: 2018-03-27 05:14:36
End at: 2018-03-27 05:15:06
Local clock offset: -0.932 ms
Remote clock offset: 30.232 ms

Below is generated by plot.py at 2018-03-27 08:26:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 119.653 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 119.653 ms
Loss rate: 0.14%

Run 3: Report of WebRTC media — Data Link

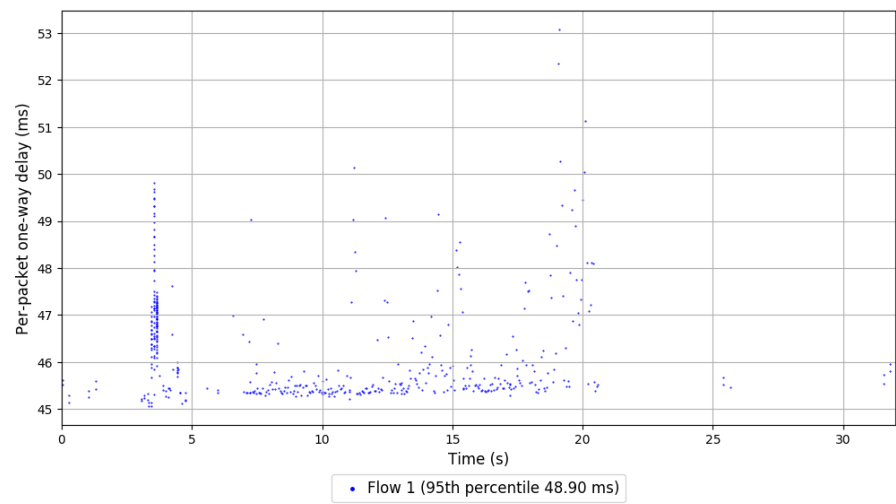
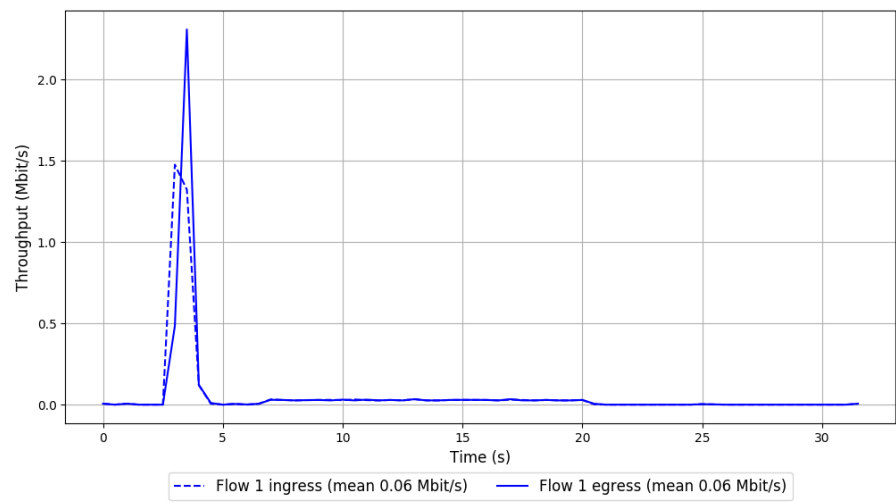


Run 4: Statistics of WebRTC media

Start at: 2018-03-27 05:36:36
End at: 2018-03-27 05:37:06
Local clock offset: 4.952 ms
Remote clock offset: -20.842 ms

Below is generated by plot.py at 2018-03-27 08:26:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 48.902 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 48.902 ms
Loss rate: 0.07%

Run 4: Report of WebRTC media — Data Link

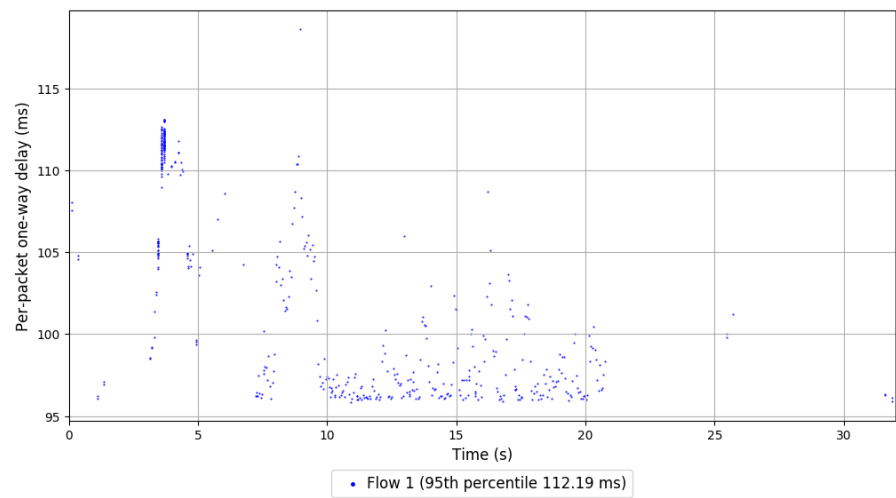
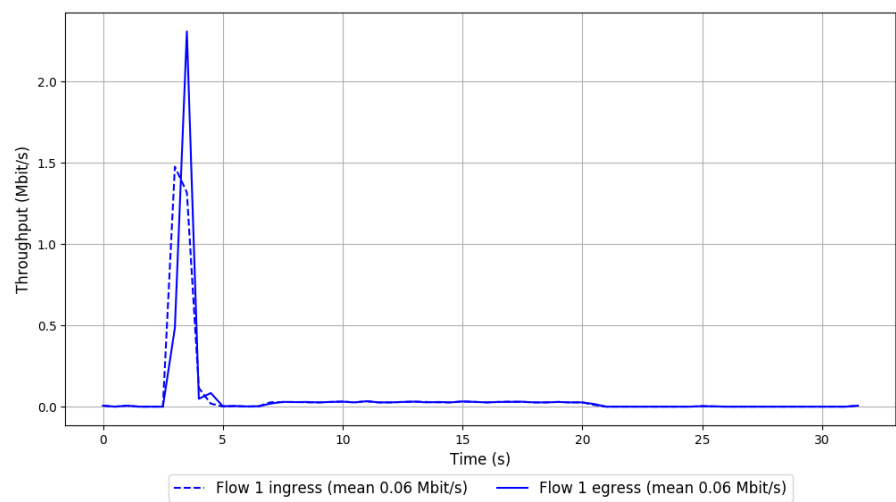


Run 5: Statistics of WebRTC media

Start at: 2018-03-27 05:58:57
End at: 2018-03-27 05:59:27
Local clock offset: 5.044 ms
Remote clock offset: 29.363 ms

Below is generated by plot.py at 2018-03-27 08:26:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 112.194 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 112.194 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

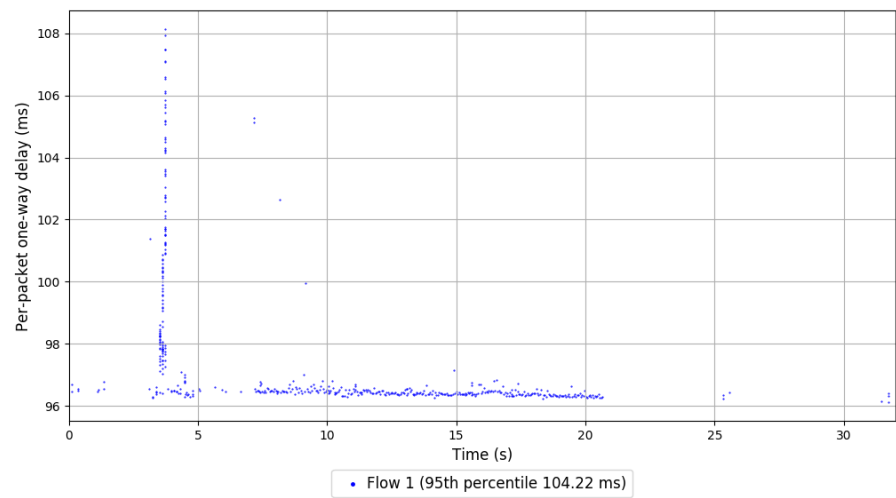
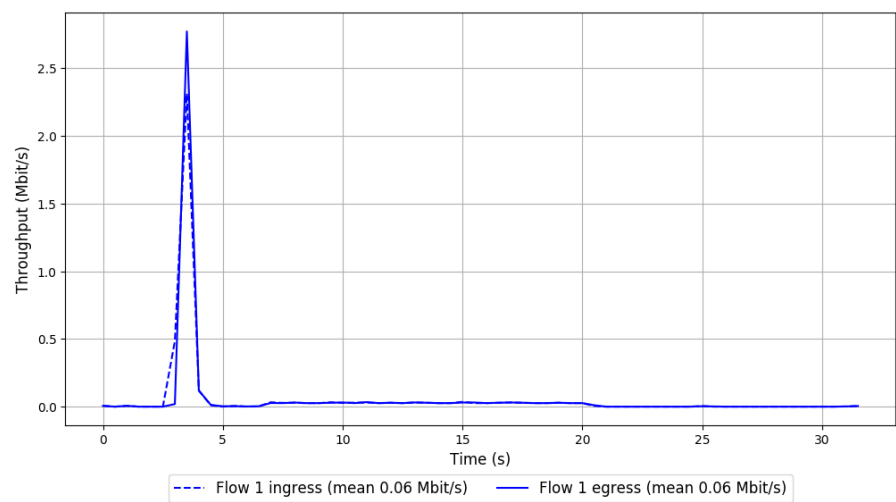


Run 6: Statistics of WebRTC media

Start at: 2018-03-27 06:21:18
End at: 2018-03-27 06:21:48
Local clock offset: 3.428 ms
Remote clock offset: 56.644 ms

Below is generated by plot.py at 2018-03-27 08:26:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 104.217 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 104.217 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

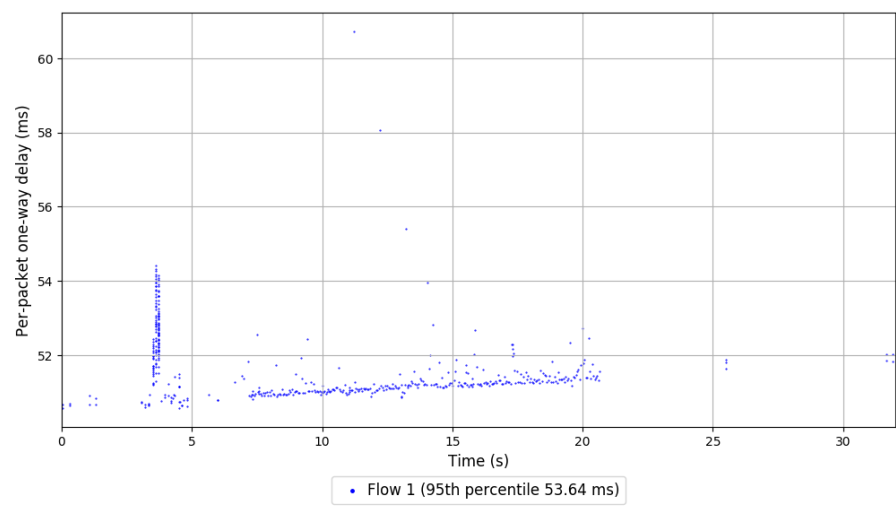
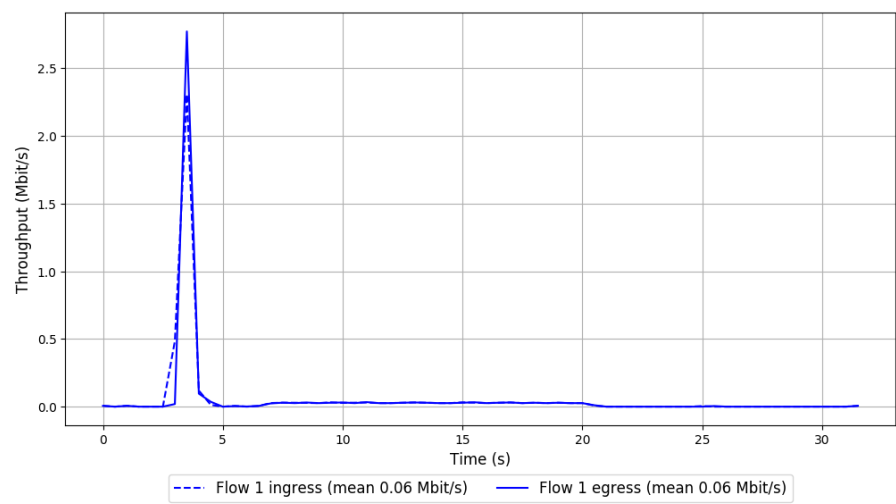


Run 7: Statistics of WebRTC media

Start at: 2018-03-27 06:44:34
End at: 2018-03-27 06:45:04
Local clock offset: 9.191 ms
Remote clock offset: -7.137 ms

Below is generated by plot.py at 2018-03-27 08:26:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 53.644 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 53.644 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

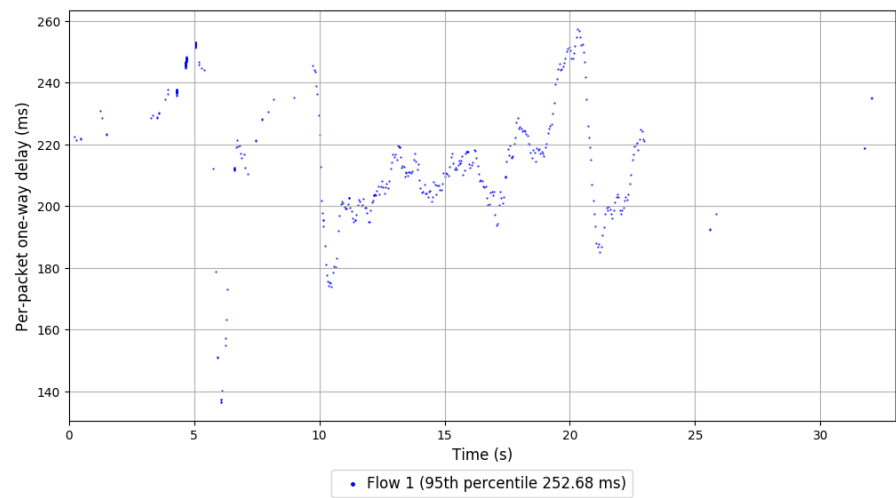
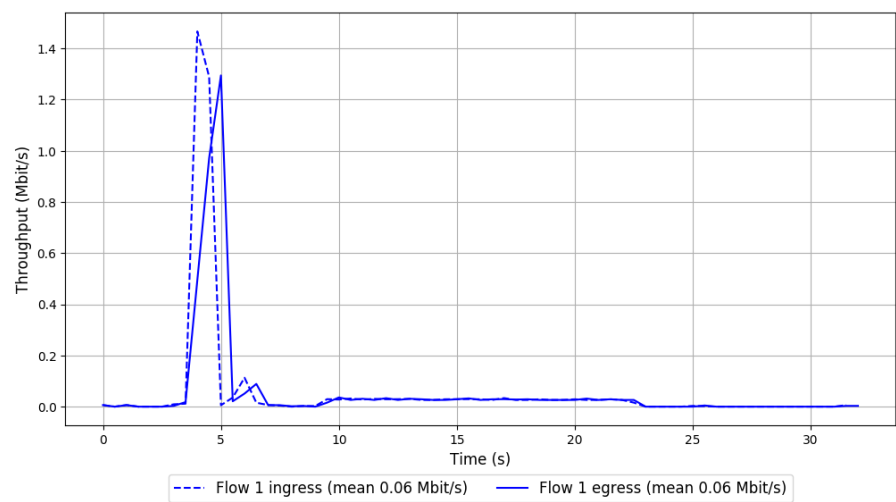


Run 8: Statistics of WebRTC media

Start at: 2018-03-27 07:06:29
End at: 2018-03-27 07:06:59
Local clock offset: 8.037 ms
Remote clock offset: 22.731 ms

Below is generated by plot.py at 2018-03-27 08:26:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 252.682 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 252.682 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

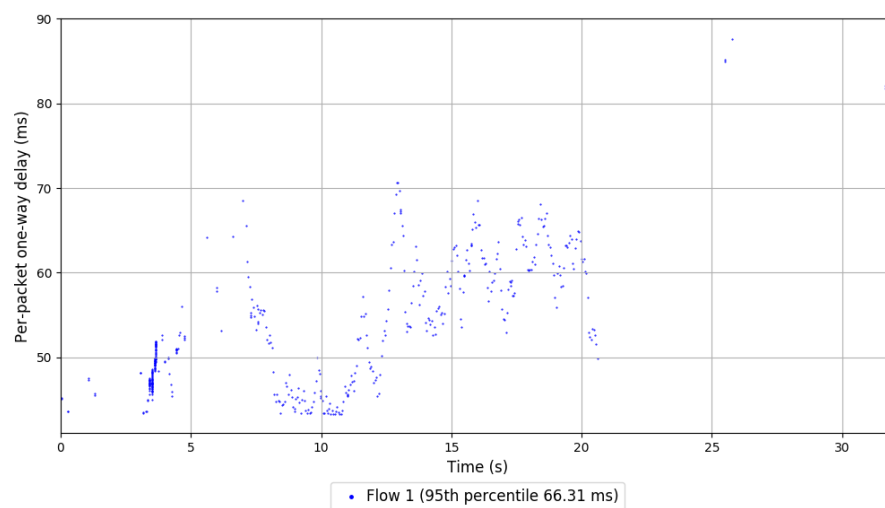
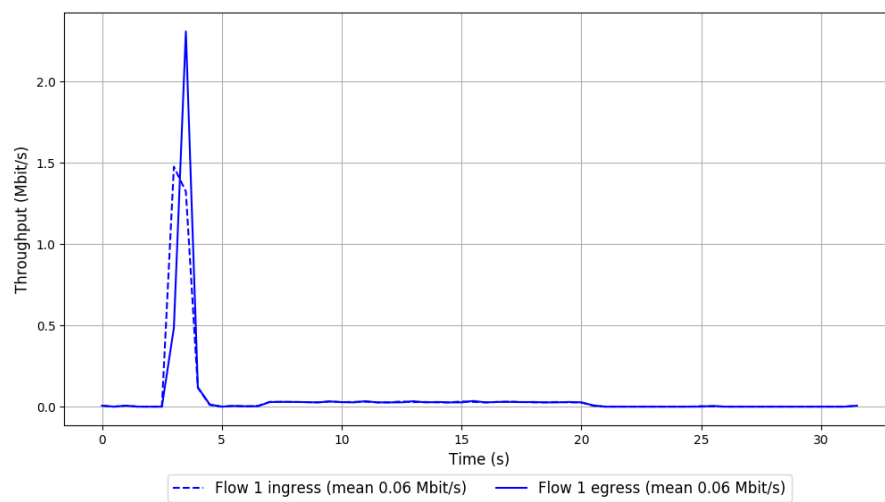


Run 9: Statistics of WebRTC media

Start at: 2018-03-27 07:28:25
End at: 2018-03-27 07:28:55
Local clock offset: 3.851 ms
Remote clock offset: 34.528 ms

Below is generated by plot.py at 2018-03-27 08:26:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 66.311 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 66.311 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-03-27 07:50:14

End at: 2018-03-27 07:50:44

Local clock offset: 5.972 ms

Remote clock offset: 24.048 ms

Below is generated by plot.py at 2018-03-27 08:26:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 78.128 ms

Loss rate: 0.00%

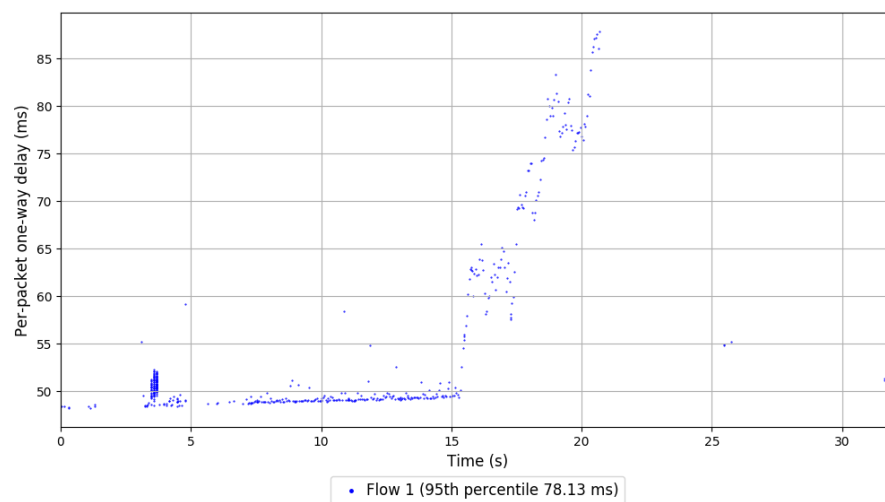
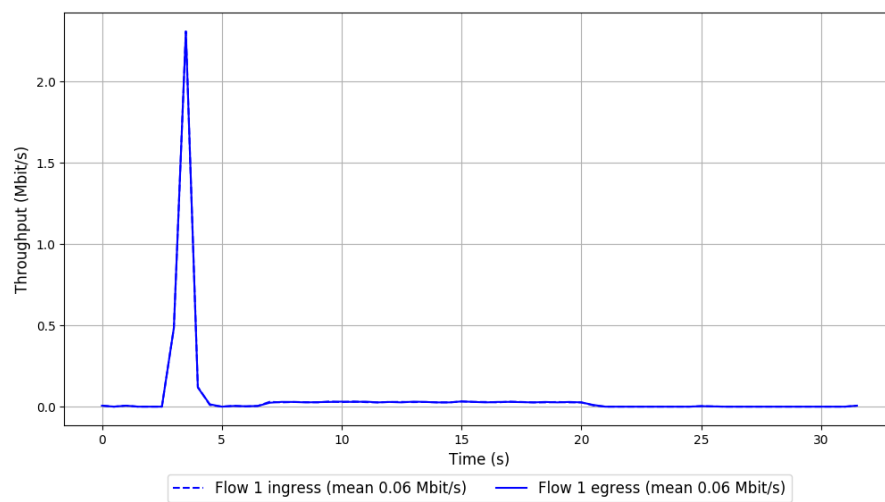
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 78.128 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

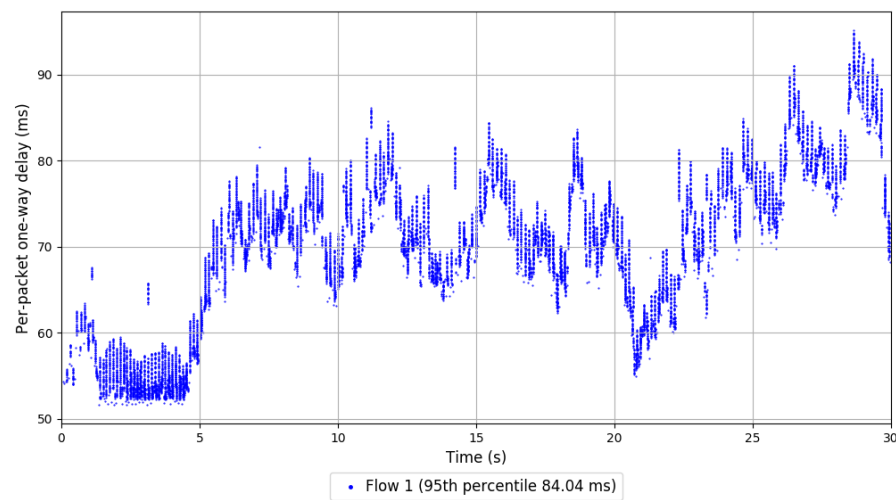
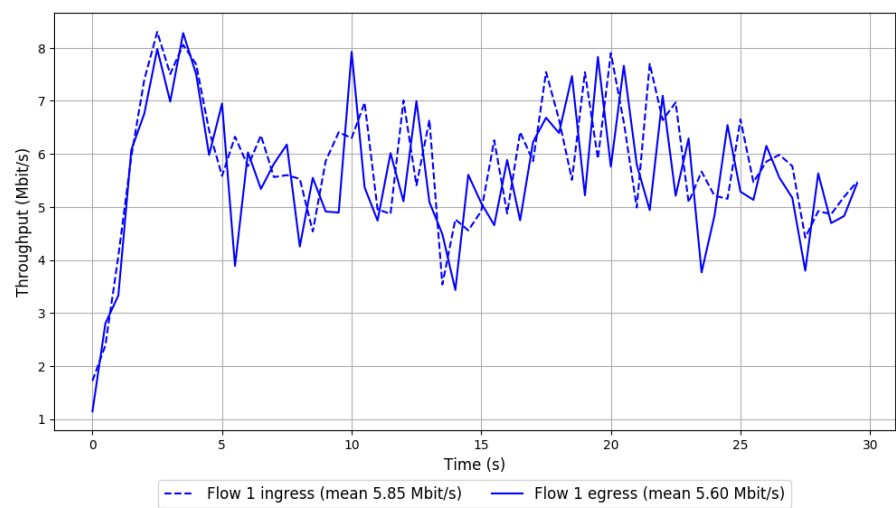


Run 1: Statistics of Sprout

Start at: 2018-03-27 04:31:41
End at: 2018-03-27 04:32:11
Local clock offset: 10.989 ms
Remote clock offset: -45.419 ms

Below is generated by plot.py at 2018-03-27 08:26:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.60 Mbit/s
95th percentile per-packet one-way delay: 84.040 ms
Loss rate: 4.25%
-- Flow 1:
Average throughput: 5.60 Mbit/s
95th percentile per-packet one-way delay: 84.040 ms
Loss rate: 4.25%

Run 1: Report of Sprout — Data Link

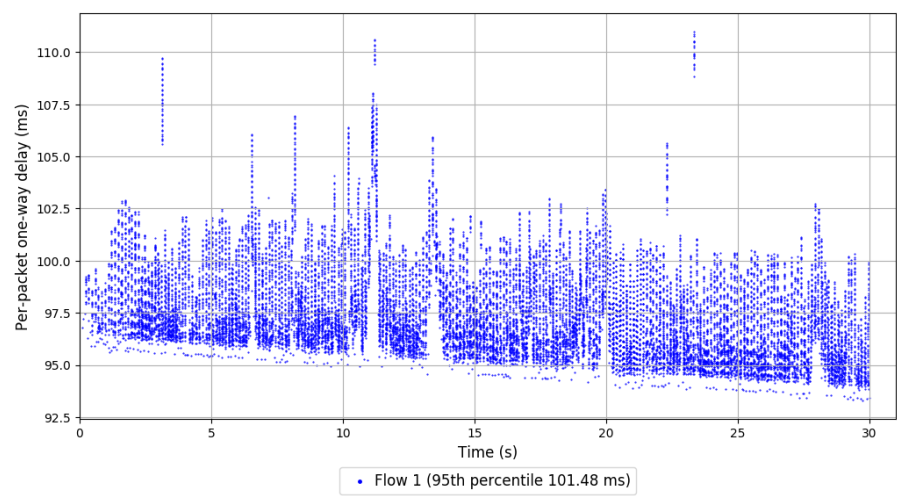
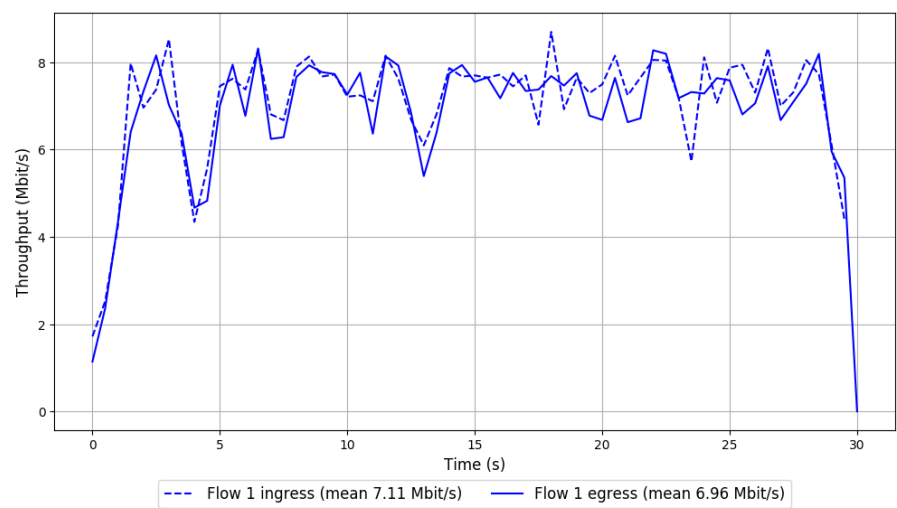


Run 2: Statistics of Sprout

Start at: 2018-03-27 04:53:32
End at: 2018-03-27 04:54:02
Local clock offset: 5.556 ms
Remote clock offset: -8.826 ms

Below is generated by plot.py at 2018-03-27 08:26:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.96 Mbit/s
95th percentile per-packet one-way delay: 101.482 ms
Loss rate: 2.20%
-- Flow 1:
Average throughput: 6.96 Mbit/s
95th percentile per-packet one-way delay: 101.482 ms
Loss rate: 2.20%

Run 2: Report of Sprout — Data Link

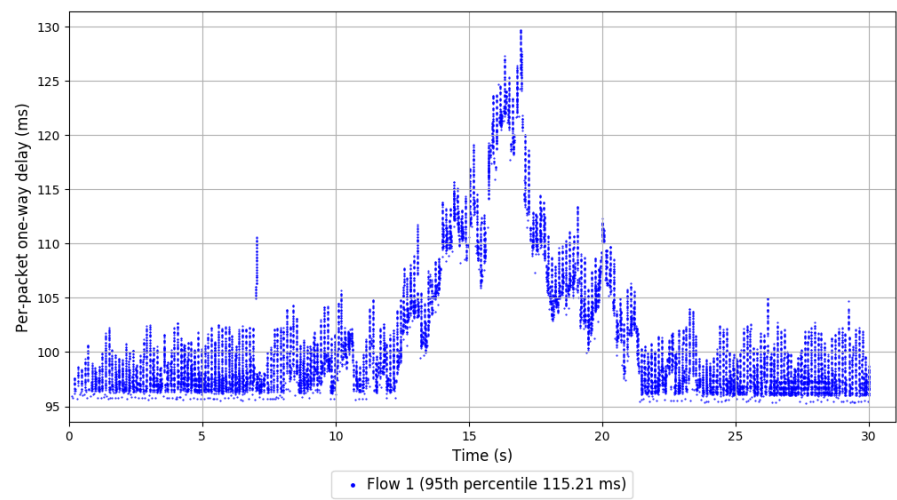
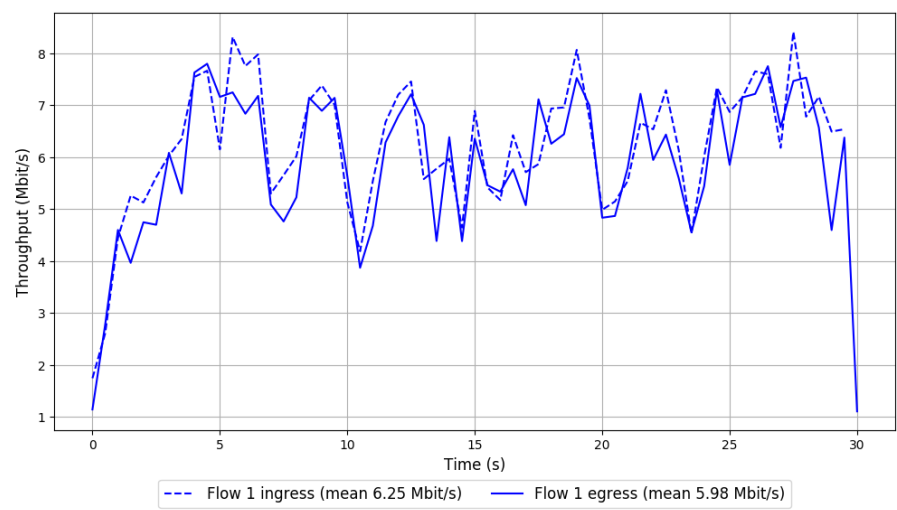


Run 3: Statistics of Sprout

Start at: 2018-03-27 05:15:45
End at: 2018-03-27 05:16:15
Local clock offset: -1.356 ms
Remote clock offset: 30.779 ms

Below is generated by plot.py at 2018-03-27 08:26:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.98 Mbit/s
95th percentile per-packet one-way delay: 115.207 ms
Loss rate: 4.34%
-- Flow 1:
Average throughput: 5.98 Mbit/s
95th percentile per-packet one-way delay: 115.207 ms
Loss rate: 4.34%

Run 3: Report of Sprout — Data Link

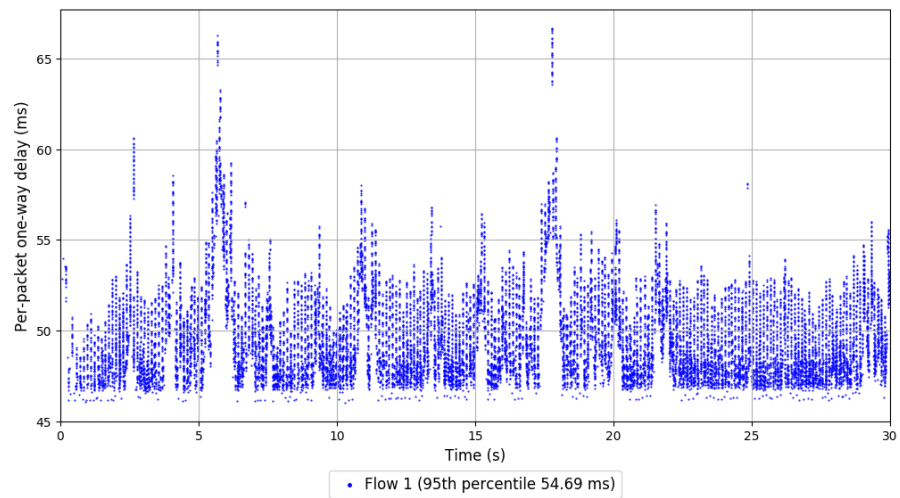
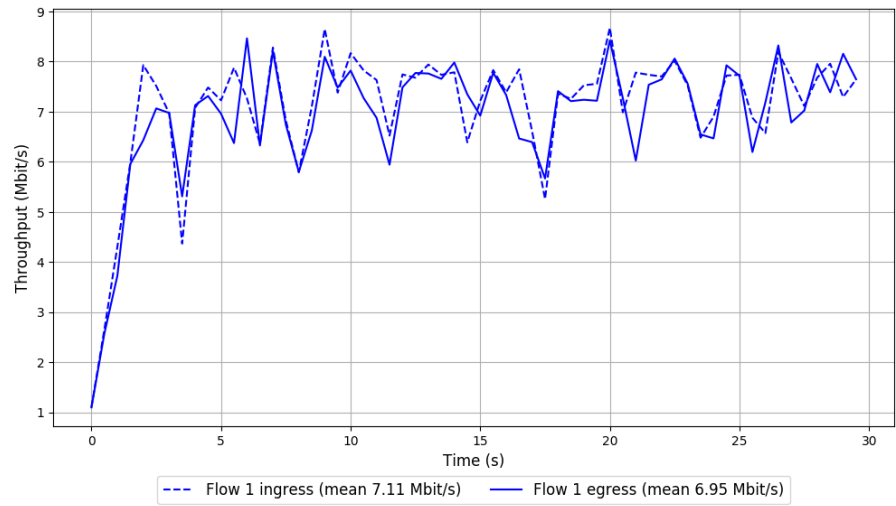


Run 4: Statistics of Sprout

Start at: 2018-03-27 05:37:45
End at: 2018-03-27 05:38:15
Local clock offset: 5.139 ms
Remote clock offset: -20.31 ms

Below is generated by plot.py at 2018-03-27 08:26:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.95 Mbit/s
95th percentile per-packet one-way delay: 54.686 ms
Loss rate: 2.26%
-- Flow 1:
Average throughput: 6.95 Mbit/s
95th percentile per-packet one-way delay: 54.686 ms
Loss rate: 2.26%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-03-27 06:00:06

End at: 2018-03-27 06:00:36

Local clock offset: 4.971 ms

Remote clock offset: 29.29 ms

Below is generated by plot.py at 2018-03-27 08:26:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.06 Mbit/s

95th percentile per-packet one-way delay: 102.012 ms

Loss rate: 3.01%

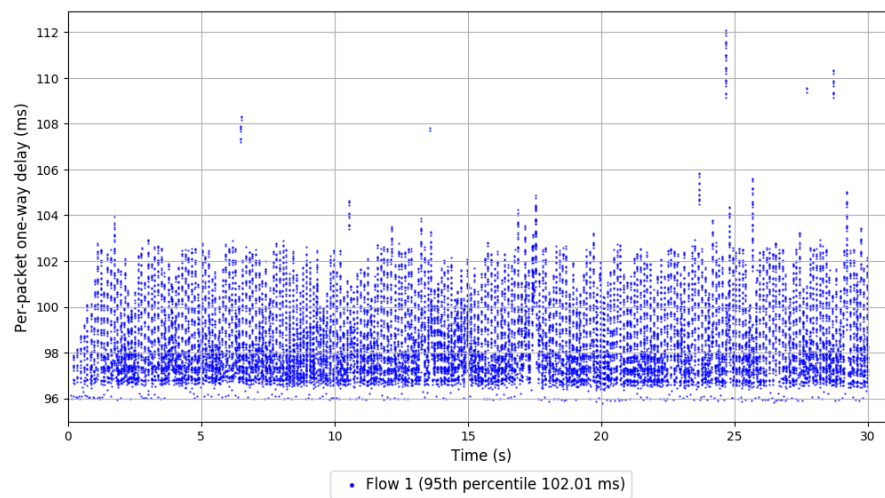
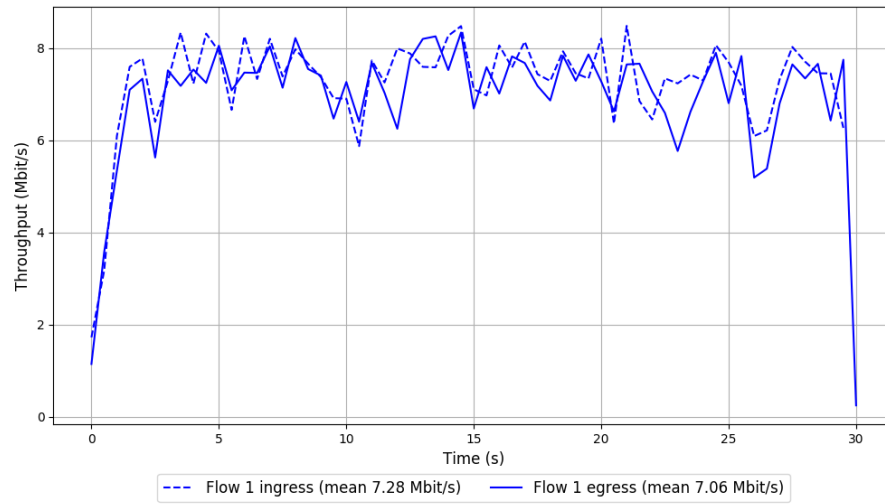
-- Flow 1:

Average throughput: 7.06 Mbit/s

95th percentile per-packet one-way delay: 102.012 ms

Loss rate: 3.01%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-03-27 06:22:27

End at: 2018-03-27 06:22:57

Local clock offset: 3.533 ms

Remote clock offset: 57.27 ms

Below is generated by plot.py at 2018-03-27 08:26:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.16 Mbit/s

95th percentile per-packet one-way delay: 101.317 ms

Loss rate: 2.16%

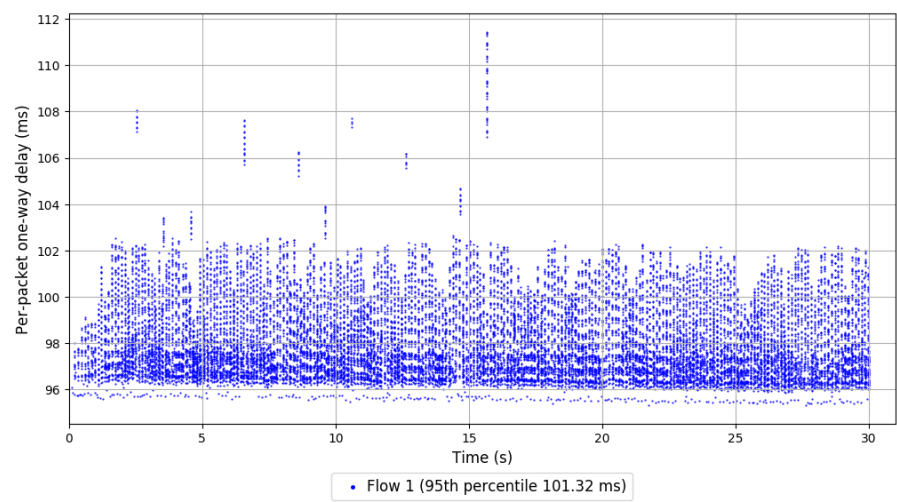
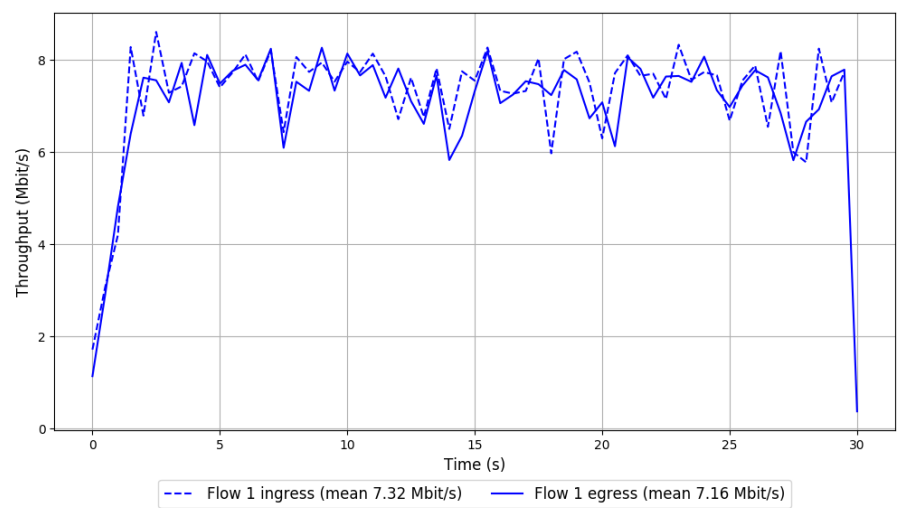
-- Flow 1:

Average throughput: 7.16 Mbit/s

95th percentile per-packet one-way delay: 101.317 ms

Loss rate: 2.16%

Run 6: Report of Sprout — Data Link

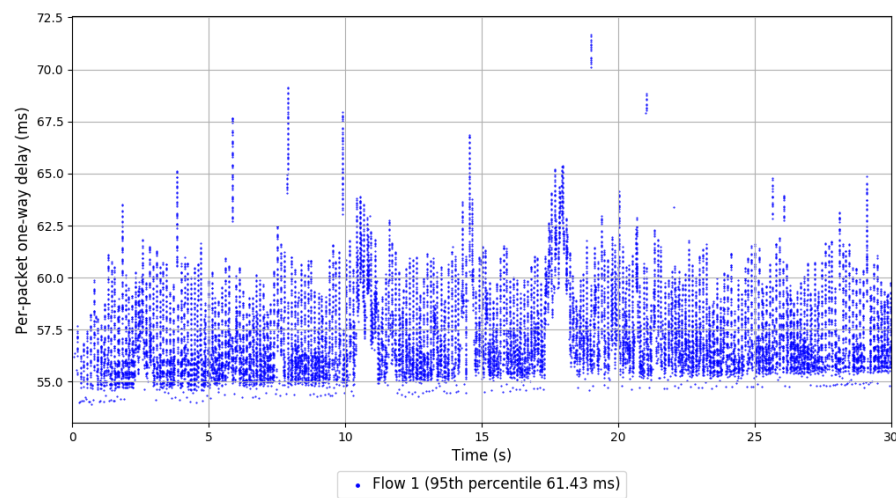
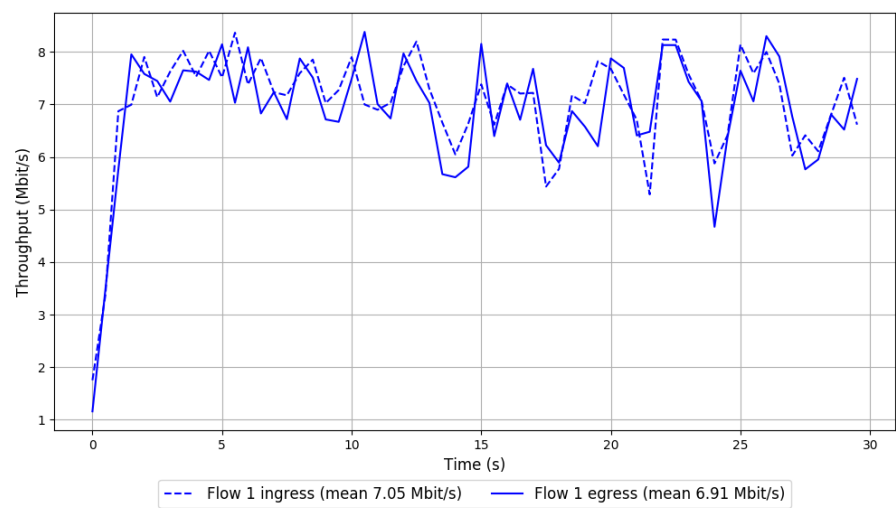


Run 7: Statistics of Sprout

Start at: 2018-03-27 06:45:44
End at: 2018-03-27 06:46:14
Local clock offset: 9.221 ms
Remote clock offset: -6.049 ms

Below is generated by plot.py at 2018-03-27 08:26:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.91 Mbit/s
95th percentile per-packet one-way delay: 61.433 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 6.91 Mbit/s
95th percentile per-packet one-way delay: 61.433 ms
Loss rate: 1.92%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-03-27 07:07:41

End at: 2018-03-27 07:08:11

Local clock offset: 7.768 ms

Remote clock offset: 22.46 ms

Below is generated by plot.py at 2018-03-27 08:26:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 241.887 ms

Loss rate: 0.00%

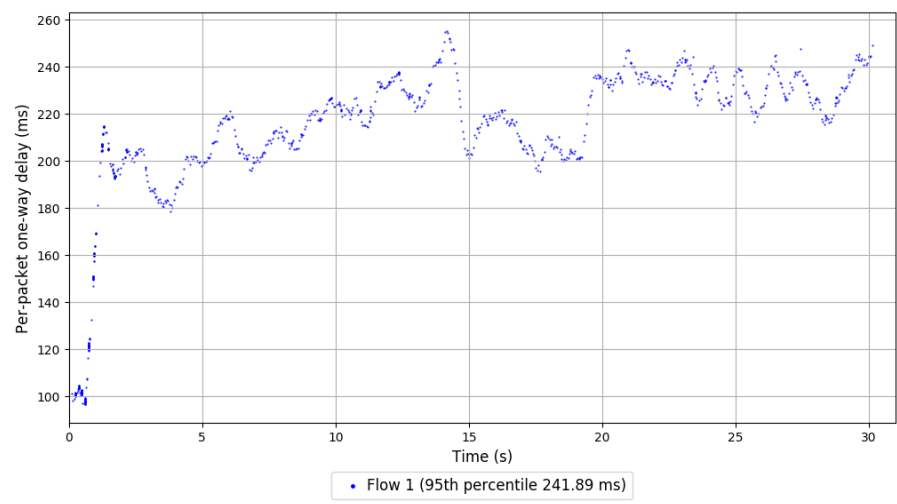
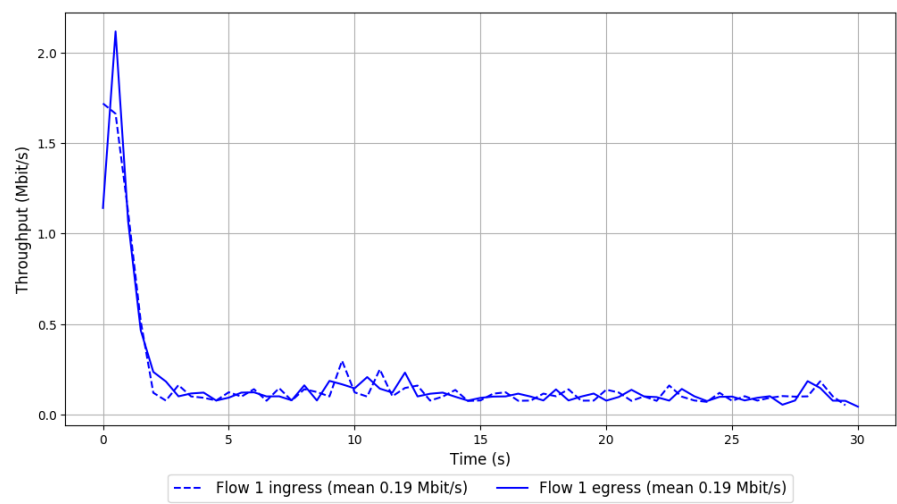
-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 241.887 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-03-27 07:29:35

End at: 2018-03-27 07:30:05

Local clock offset: 3.642 ms

Remote clock offset: 35.25 ms

Below is generated by plot.py at 2018-03-27 08:26:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.86 Mbit/s

95th percentile per-packet one-way delay: 87.137 ms

Loss rate: 3.86%

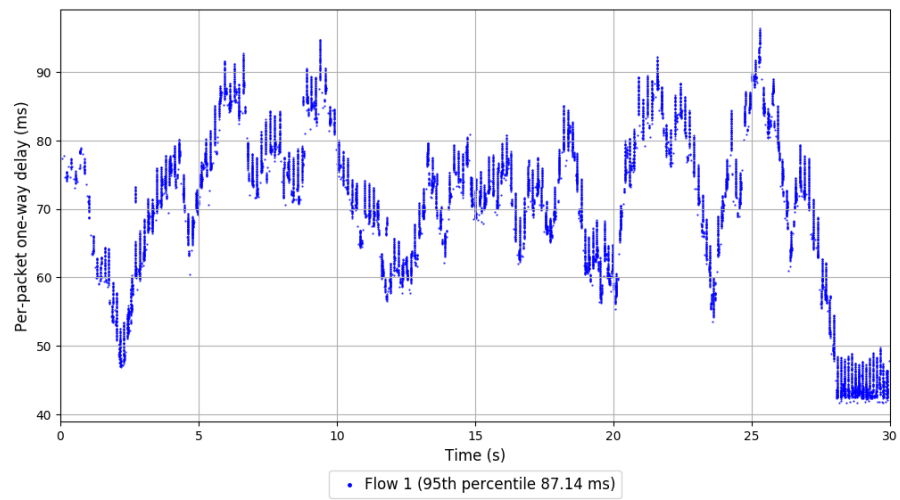
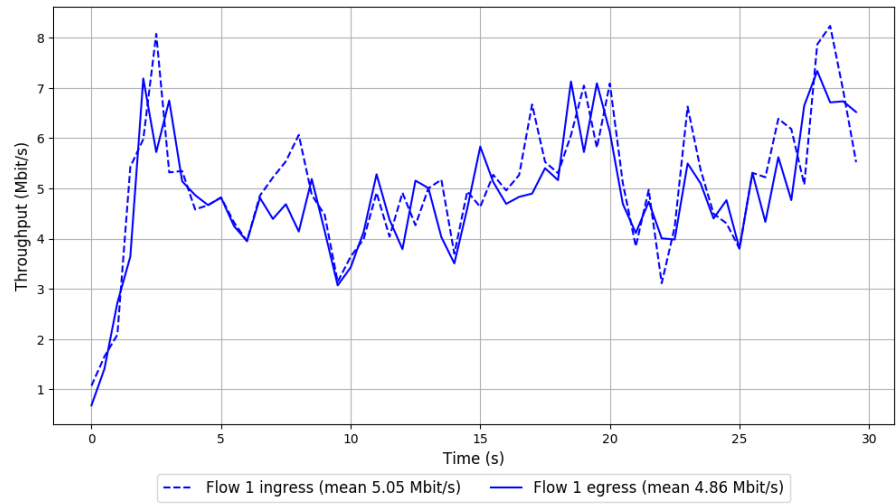
-- Flow 1:

Average throughput: 4.86 Mbit/s

95th percentile per-packet one-way delay: 87.137 ms

Loss rate: 3.86%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-03-27 07:51:23

End at: 2018-03-27 07:51:53

Local clock offset: 5.861 ms

Remote clock offset: 25.117 ms

Below is generated by plot.py at 2018-03-27 08:26:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.95 Mbit/s

95th percentile per-packet one-way delay: 61.800 ms

Loss rate: 2.49%

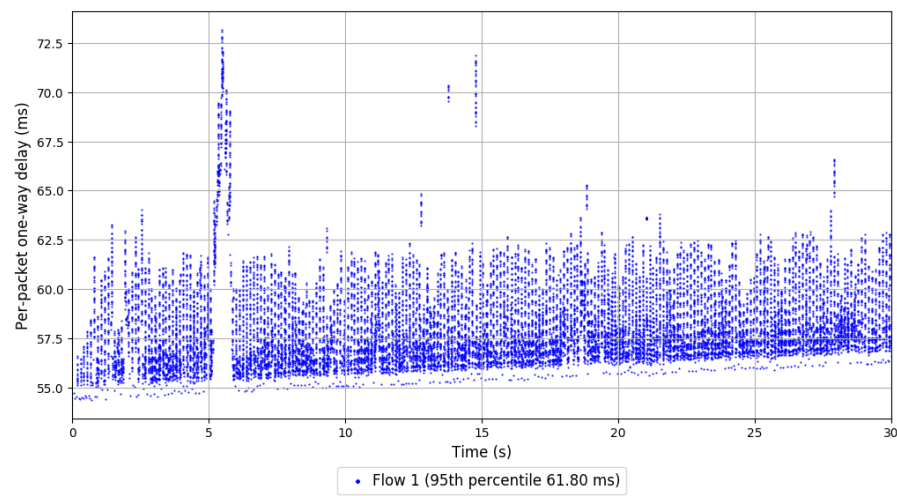
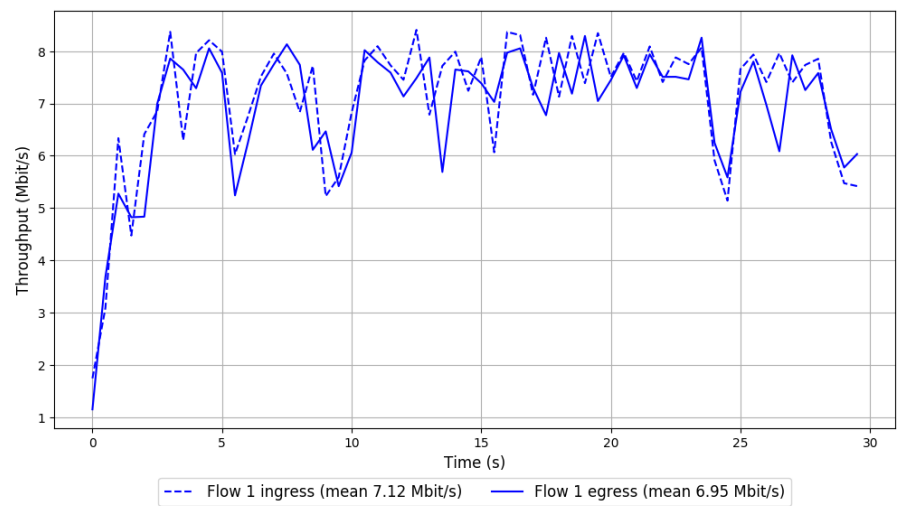
-- Flow 1:

Average throughput: 6.95 Mbit/s

95th percentile per-packet one-way delay: 61.800 ms

Loss rate: 2.49%

Run 10: Report of Sprout — Data Link

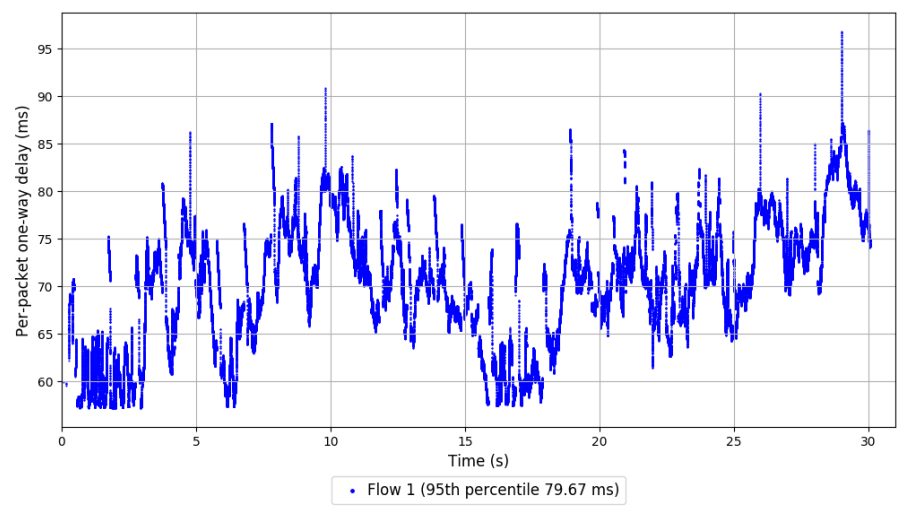
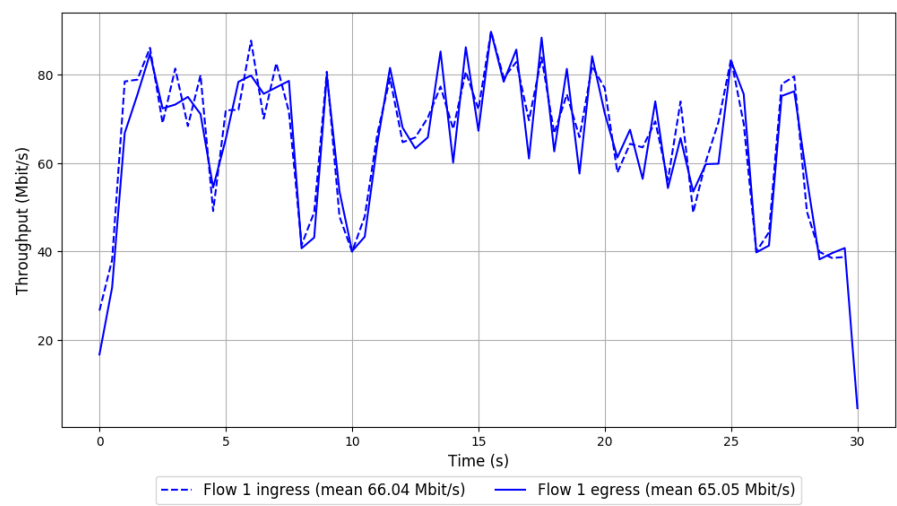


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-03-27 04:25:42
End at: 2018-03-27 04:26:12
Local clock offset: 8.222 ms
Remote clock offset: -38.264 ms

# Below is generated by plot.py at 2018-03-27 08:27:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.05 Mbit/s
95th percentile per-packet one-way delay: 79.672 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 65.05 Mbit/s
95th percentile per-packet one-way delay: 79.672 ms
Loss rate: 1.44%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-03-27 04:47:32

End at: 2018-03-27 04:48:02

Local clock offset: 11.232 ms

Remote clock offset: -6.599 ms

Below is generated by plot.py at 2018-03-27 08:27:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.37 Mbit/s

95th percentile per-packet one-way delay: 136.304 ms

Loss rate: 1.21%

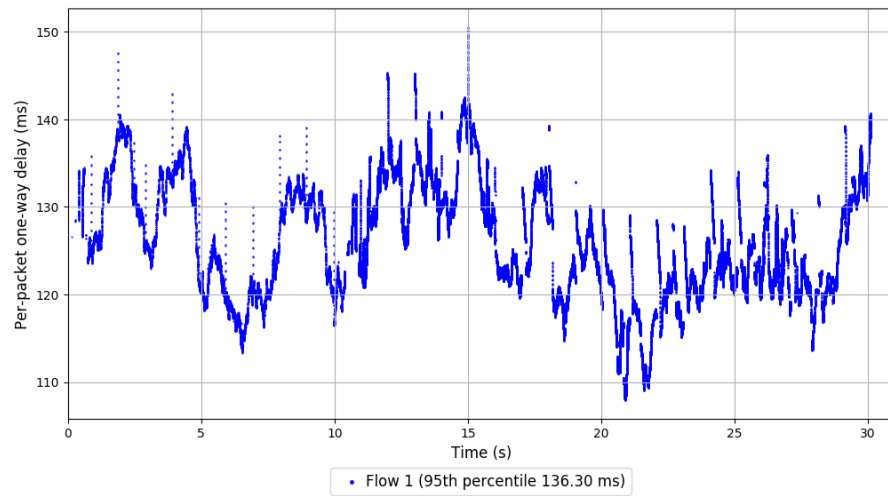
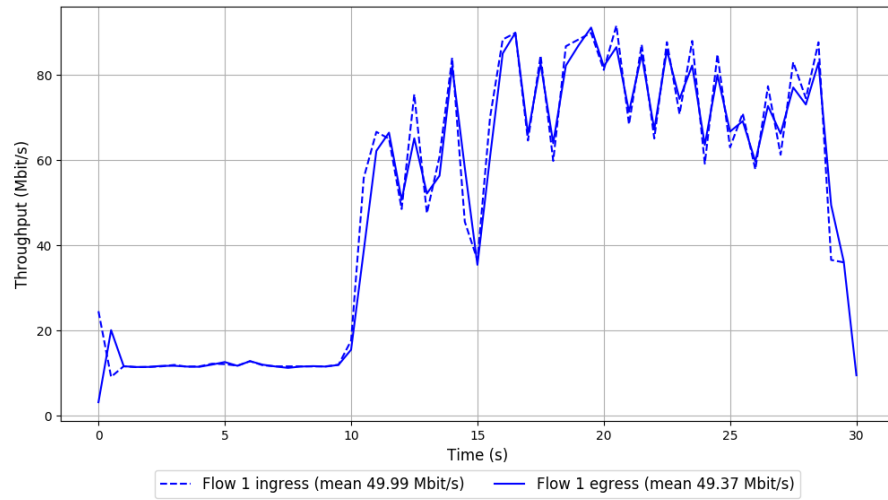
-- Flow 1:

Average throughput: 49.37 Mbit/s

95th percentile per-packet one-way delay: 136.304 ms

Loss rate: 1.21%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-03-27 05:09:23

End at: 2018-03-27 05:09:53

Local clock offset: -0.341 ms

Remote clock offset: 25.948 ms

Below is generated by plot.py at 2018-03-27 08:27:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.25 Mbit/s

95th percentile per-packet one-way delay: 111.375 ms

Loss rate: 3.71%

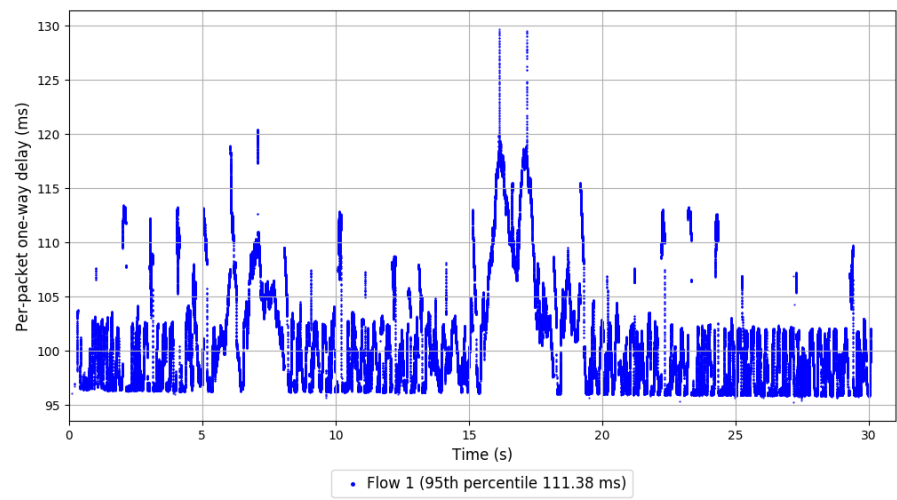
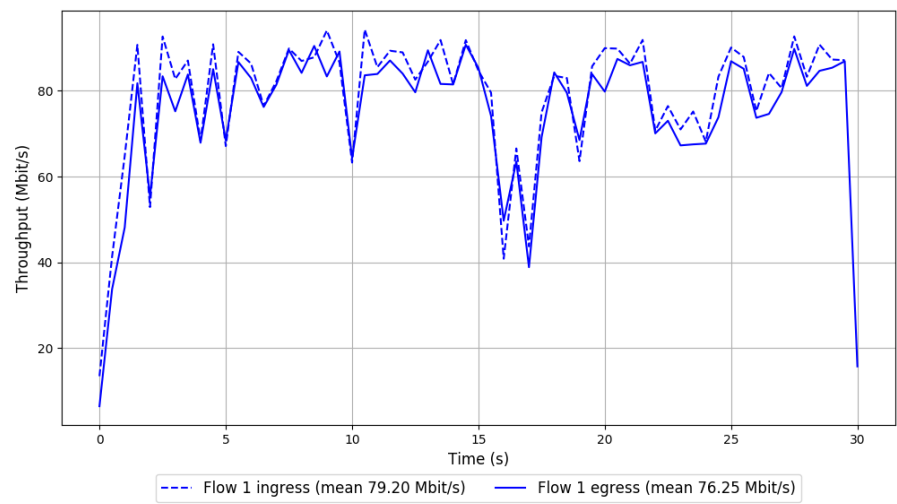
-- Flow 1:

Average throughput: 76.25 Mbit/s

95th percentile per-packet one-way delay: 111.375 ms

Loss rate: 3.71%

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

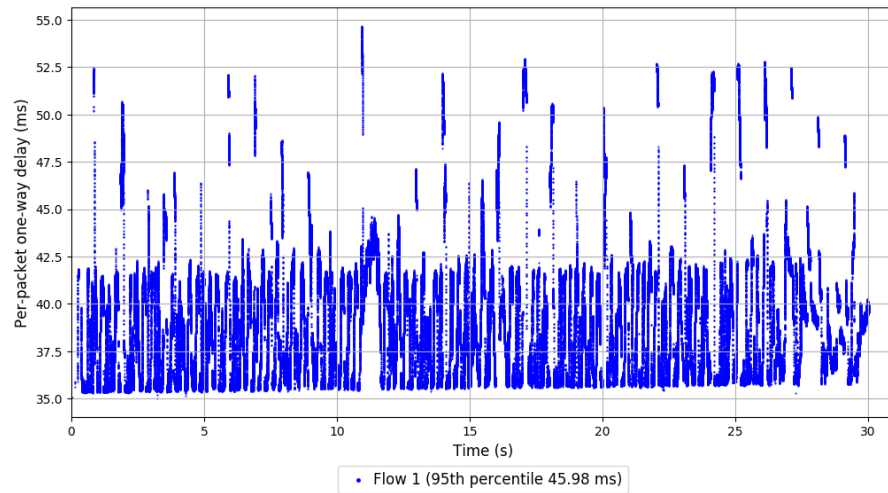
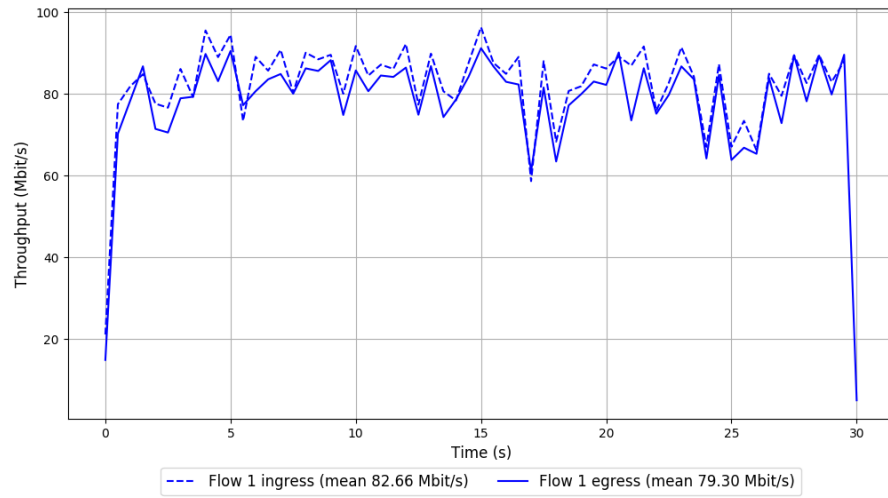


Run 4: Statistics of TaoVA-100x

Start at: 2018-03-27 05:31:34
End at: 2018-03-27 05:32:04
Local clock offset: 4.029 ms
Remote clock offset: -28.317 ms

Below is generated by plot.py at 2018-03-27 08:27:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.30 Mbit/s
95th percentile per-packet one-way delay: 45.981 ms
Loss rate: 4.04%
-- Flow 1:
Average throughput: 79.30 Mbit/s
95th percentile per-packet one-way delay: 45.981 ms
Loss rate: 4.04%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-03-27 05:54:03

End at: 2018-03-27 05:54:33

Local clock offset: 5.819 ms

Remote clock offset: 28.888 ms

Below is generated by plot.py at 2018-03-27 08:27:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.67 Mbit/s

95th percentile per-packet one-way delay: 108.846 ms

Loss rate: 3.97%

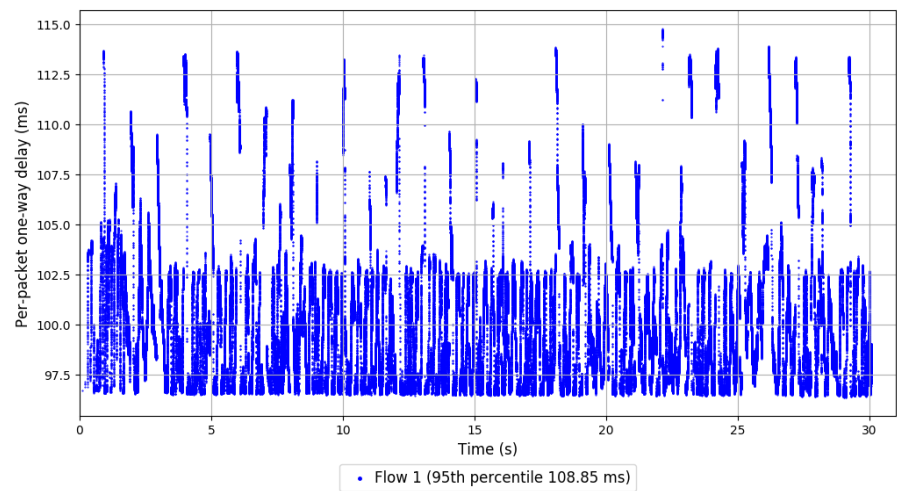
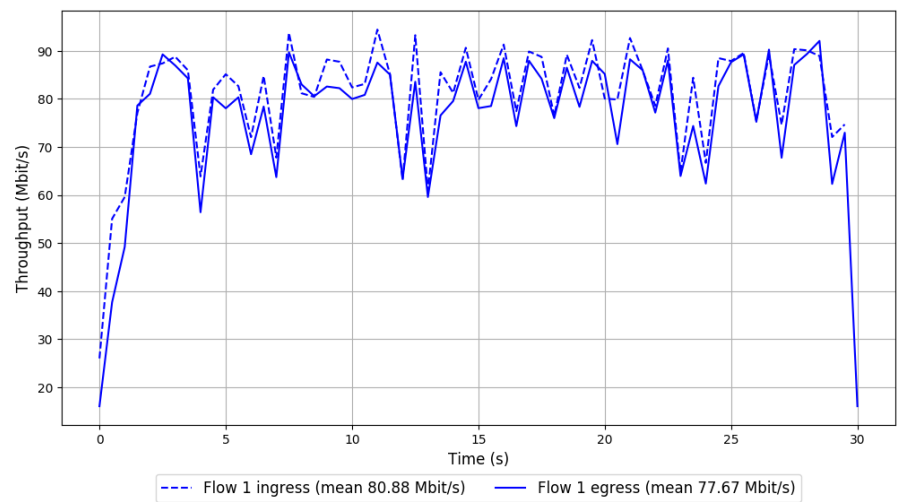
-- Flow 1:

Average throughput: 77.67 Mbit/s

95th percentile per-packet one-way delay: 108.846 ms

Loss rate: 3.97%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-03-27 06:16:05

End at: 2018-03-27 06:16:35

Local clock offset: 3.964 ms

Remote clock offset: 52.204 ms

Below is generated by plot.py at 2018-03-27 08:27:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.24 Mbit/s

95th percentile per-packet one-way delay: 125.406 ms

Loss rate: 1.32%

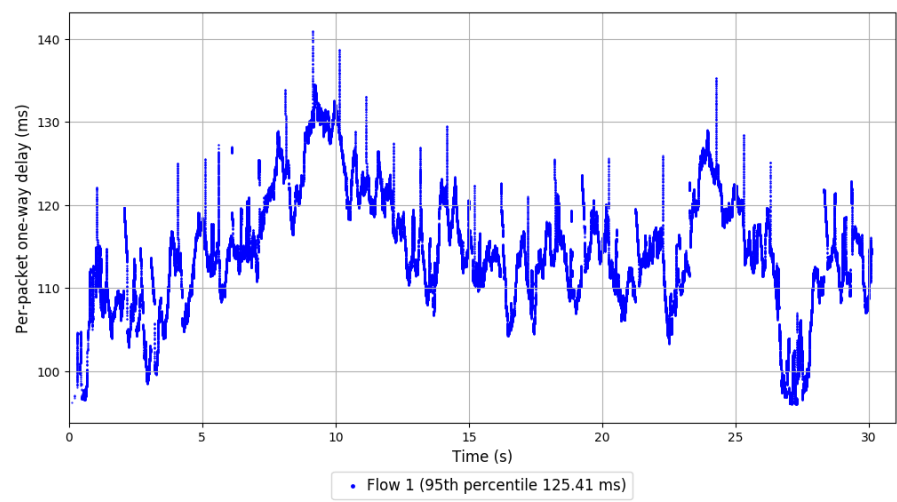
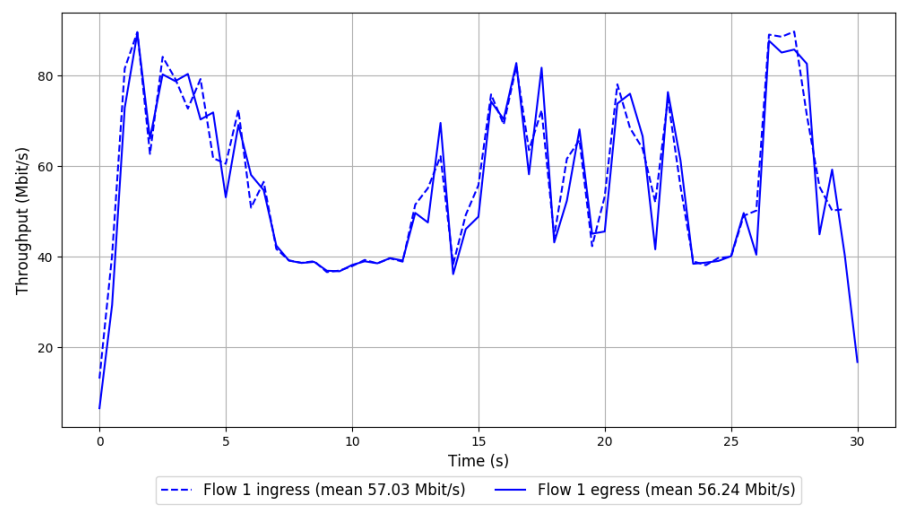
-- Flow 1:

Average throughput: 56.24 Mbit/s

95th percentile per-packet one-way delay: 125.406 ms

Loss rate: 1.32%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-03-27 06:39:05

End at: 2018-03-27 06:39:35

Local clock offset: 8.296 ms

Remote clock offset: 5.317 ms

Below is generated by plot.py at 2018-03-27 08:28:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.40 Mbit/s

95th percentile per-packet one-way delay: 62.437 ms

Loss rate: 3.30%

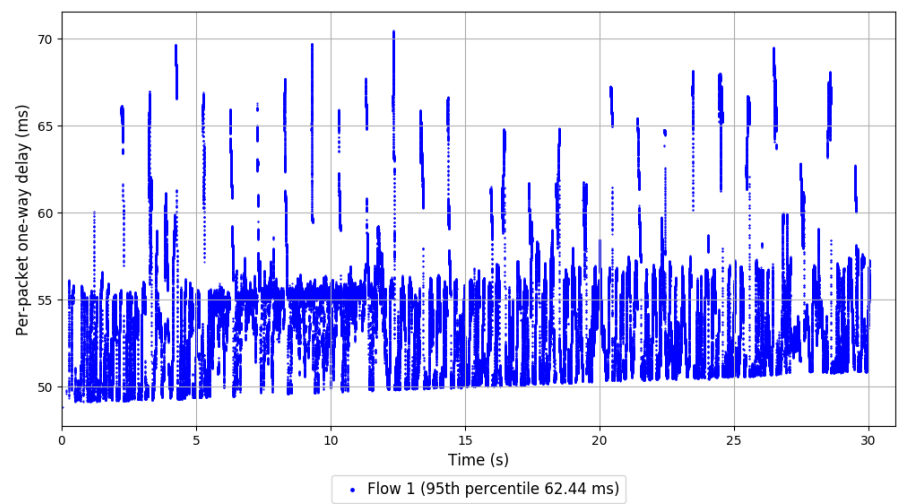
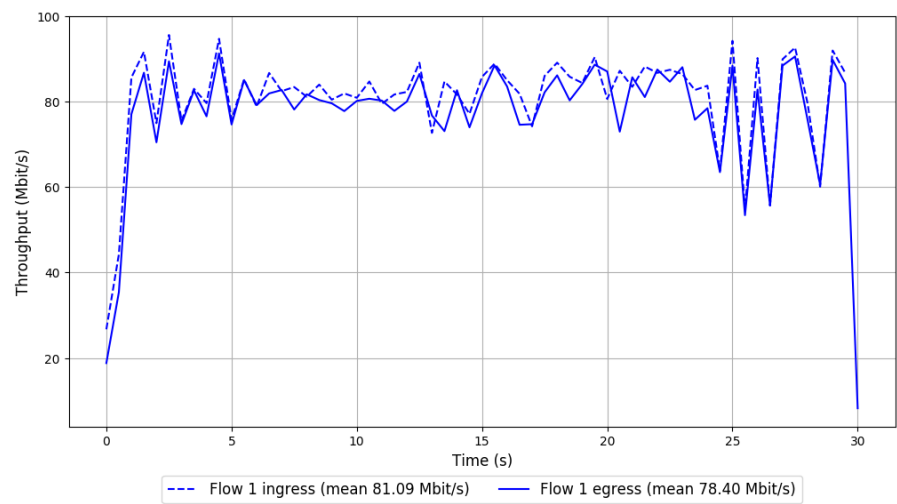
-- Flow 1:

Average throughput: 78.40 Mbit/s

95th percentile per-packet one-way delay: 62.437 ms

Loss rate: 3.30%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-03-27 07:01:30

End at: 2018-03-27 07:02:00

Local clock offset: 11.03 ms

Remote clock offset: -30.83 ms

Below is generated by plot.py at 2018-03-27 08:28:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.57 Mbit/s

95th percentile per-packet one-way delay: 53.545 ms

Loss rate: 4.62%

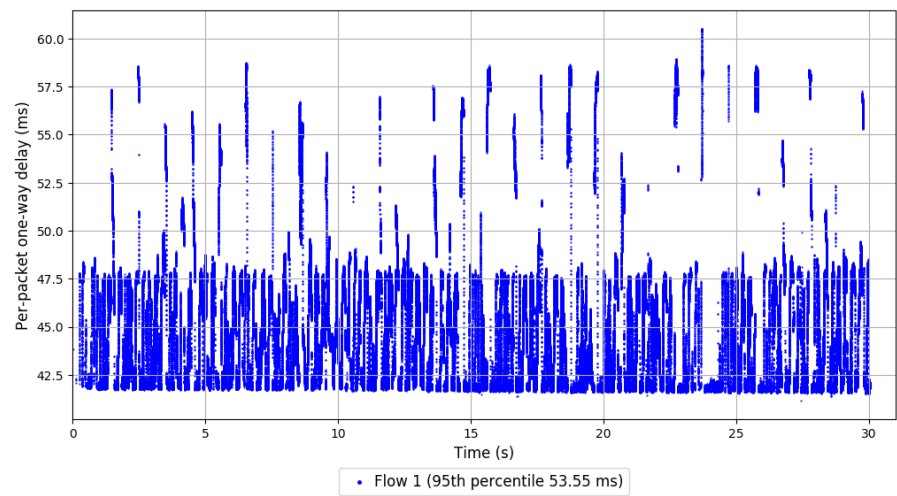
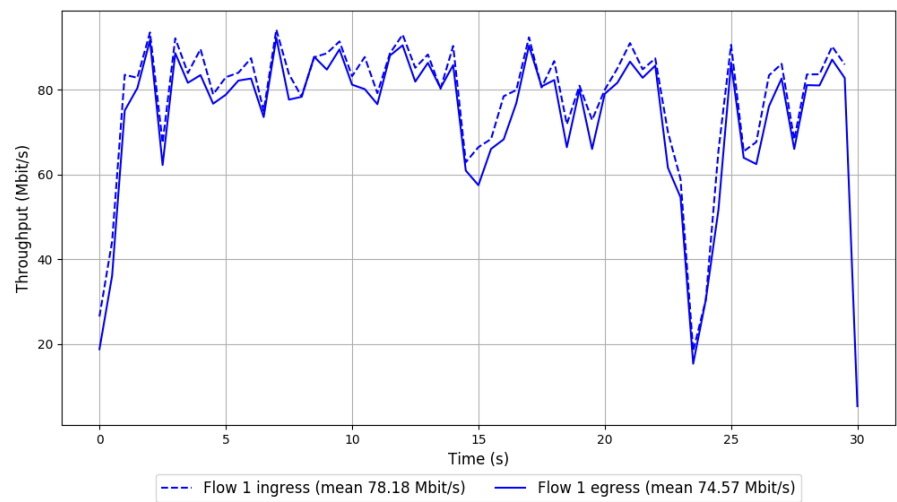
-- Flow 1:

Average throughput: 74.57 Mbit/s

95th percentile per-packet one-way delay: 53.545 ms

Loss rate: 4.62%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-03-27 07:23:38

End at: 2018-03-27 07:24:08

Local clock offset: 4.226 ms

Remote clock offset: 19.398 ms

Below is generated by plot.py at 2018-03-27 08:28:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.32 Mbit/s

95th percentile per-packet one-way delay: 73.304 ms

Loss rate: 2.42%

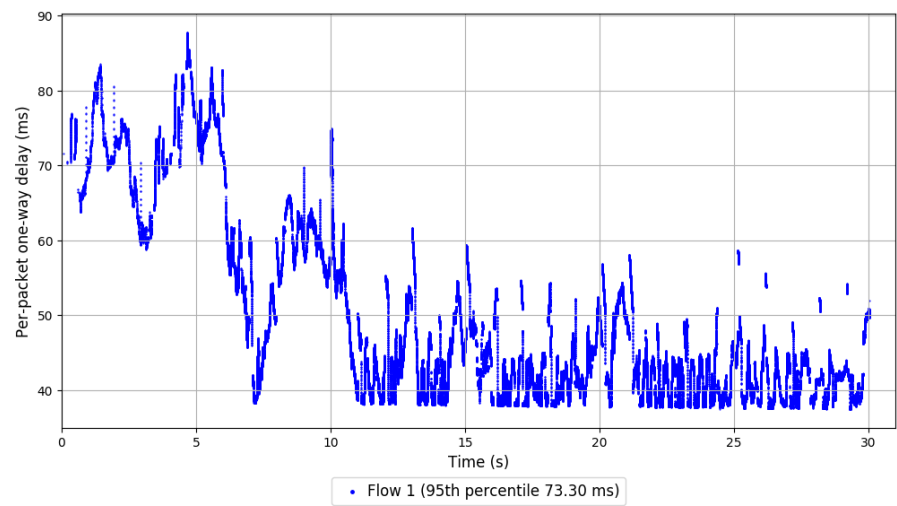
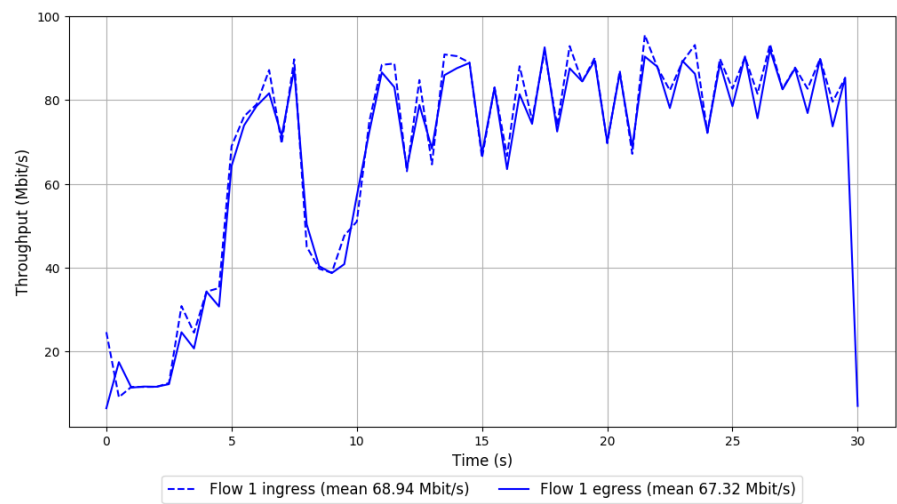
-- Flow 1:

Average throughput: 67.32 Mbit/s

95th percentile per-packet one-way delay: 73.304 ms

Loss rate: 2.42%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-03-27 07:45:24

End at: 2018-03-27 07:45:54

Local clock offset: 5.319 ms

Remote clock offset: 64.747 ms

Below is generated by plot.py at 2018-03-27 08:29:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.41 Mbit/s

95th percentile per-packet one-way delay: 78.867 ms

Loss rate: 2.29%

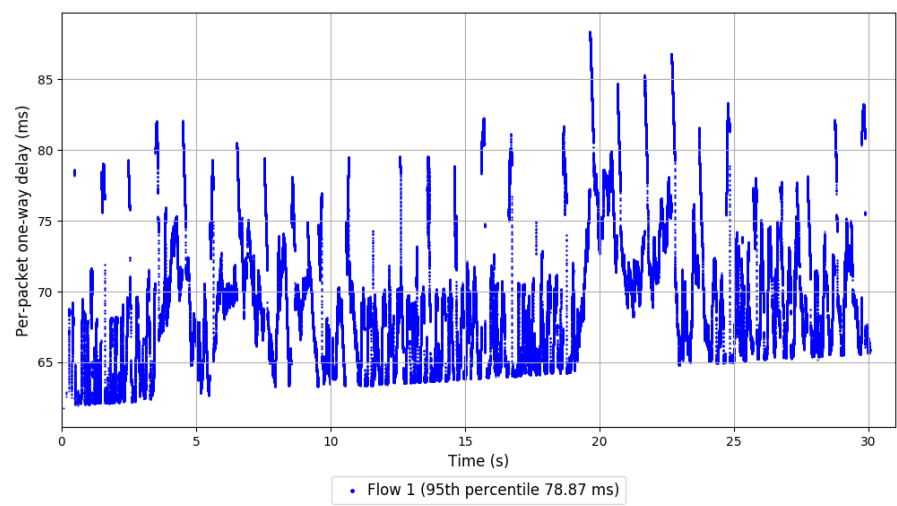
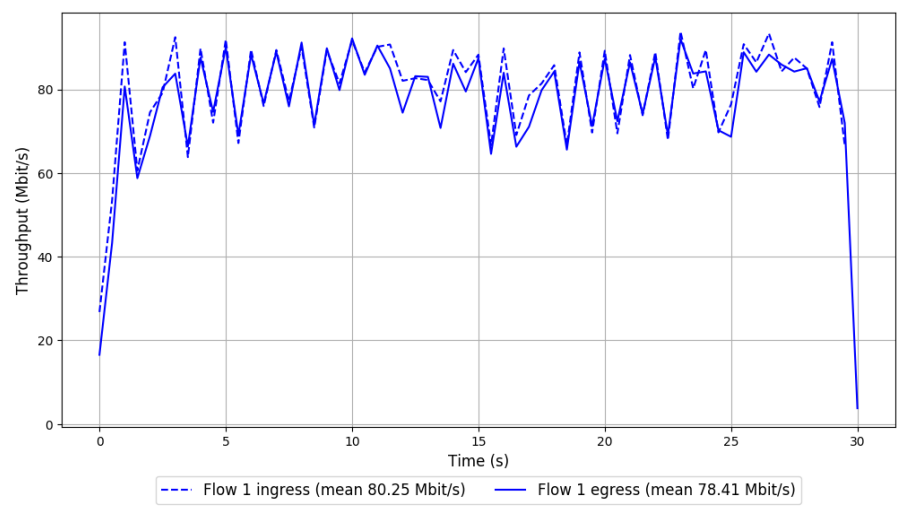
-- Flow 1:

Average throughput: 78.41 Mbit/s

95th percentile per-packet one-way delay: 78.867 ms

Loss rate: 2.29%

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

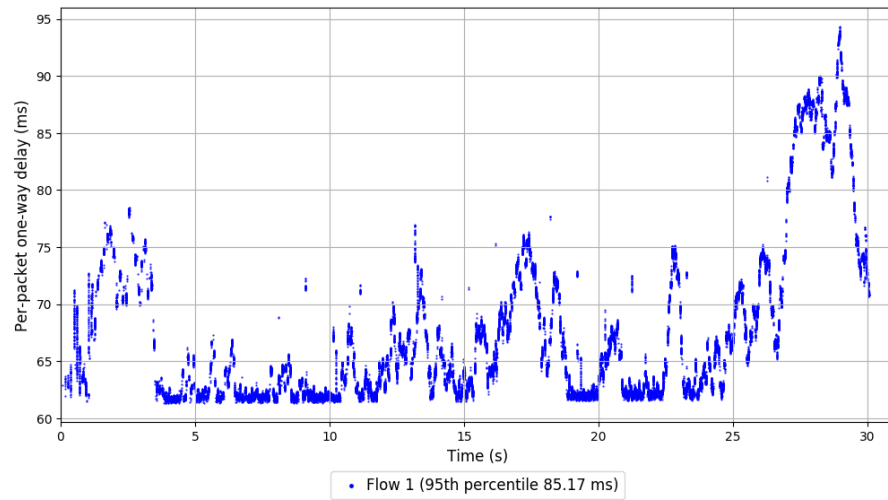
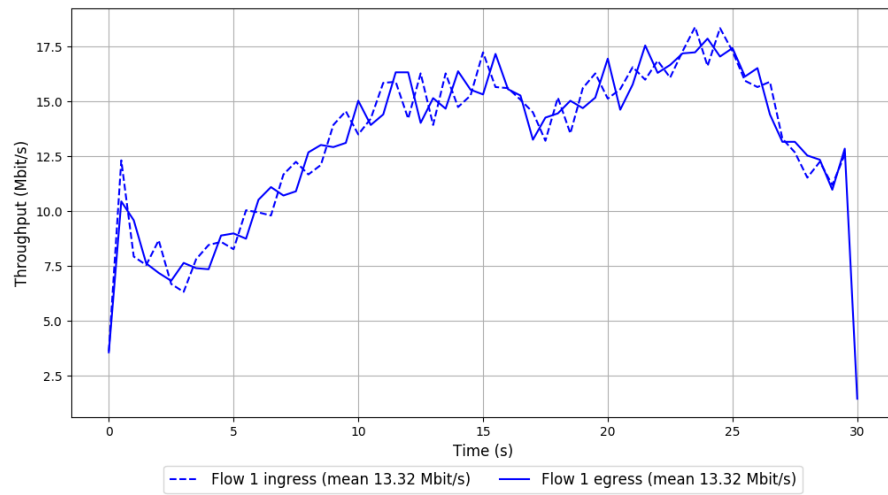


Run 1: Statistics of TCP Vegas

Start at: 2018-03-27 04:24:32
End at: 2018-03-27 04:25:02
Local clock offset: 7.831 ms
Remote clock offset: -33.596 ms

Below is generated by plot.py at 2018-03-27 08:29:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.32 Mbit/s
95th percentile per-packet one-way delay: 85.173 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 13.32 Mbit/s
95th percentile per-packet one-way delay: 85.173 ms
Loss rate: 0.01%

Run 1: Report of TCP Vegas — Data Link

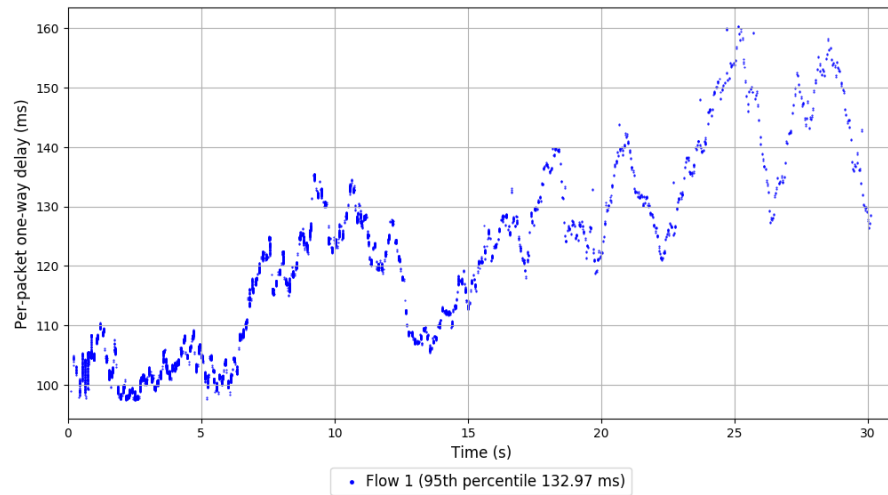
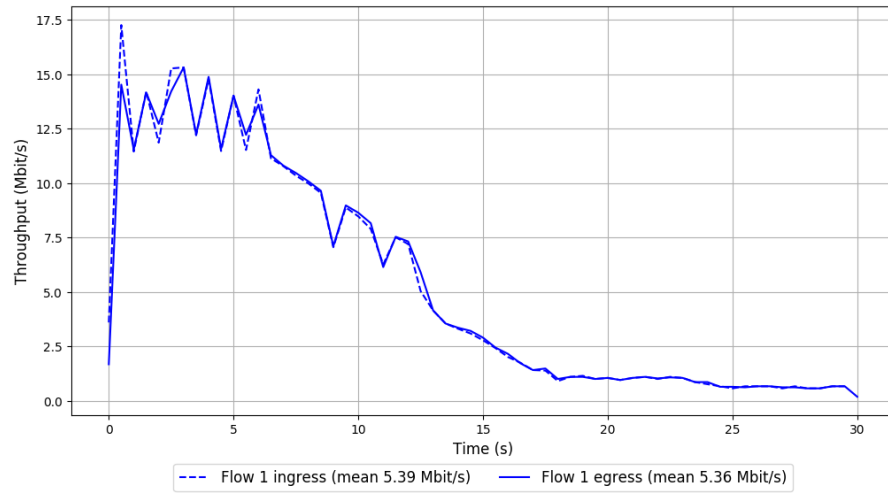


Run 2: Statistics of TCP Vegas

Start at: 2018-03-27 04:46:21
End at: 2018-03-27 04:46:51
Local clock offset: 12.984 ms
Remote clock offset: -4.843 ms

Below is generated by plot.py at 2018-03-27 08:29:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.36 Mbit/s
95th percentile per-packet one-way delay: 132.967 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 5.36 Mbit/s
95th percentile per-packet one-way delay: 132.967 ms
Loss rate: 0.54%

Run 2: Report of TCP Vegas — Data Link

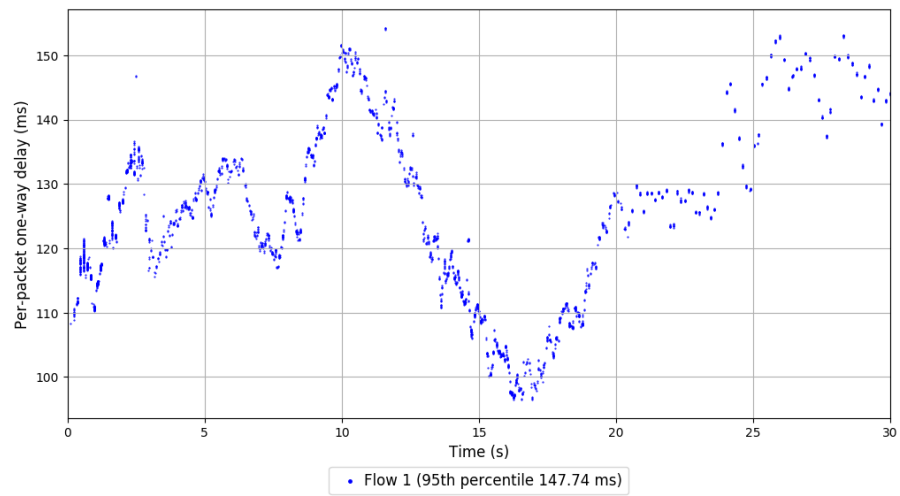
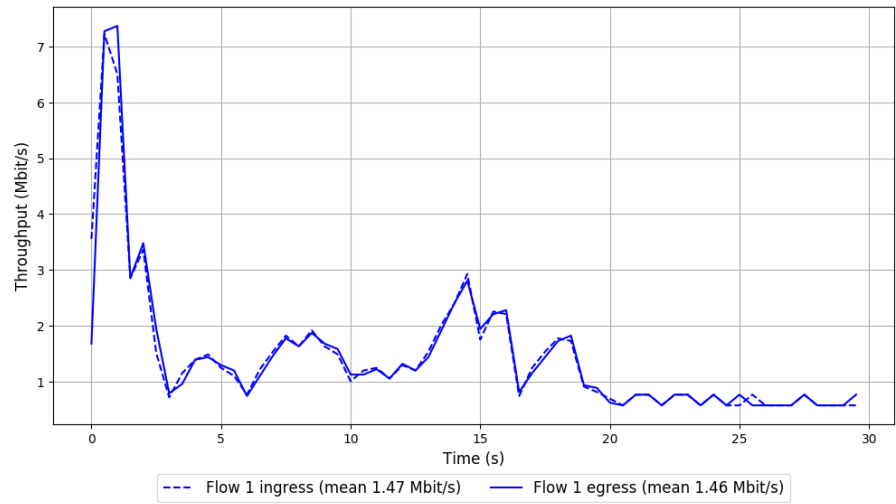


Run 3: Statistics of TCP Vegas

Start at: 2018-03-27 05:08:12
End at: 2018-03-27 05:08:42
Local clock offset: -0.116 ms
Remote clock offset: 24.823 ms

Below is generated by plot.py at 2018-03-27 08:29:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 147.735 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 147.735 ms
Loss rate: 0.57%

Run 3: Report of TCP Vegas — Data Link

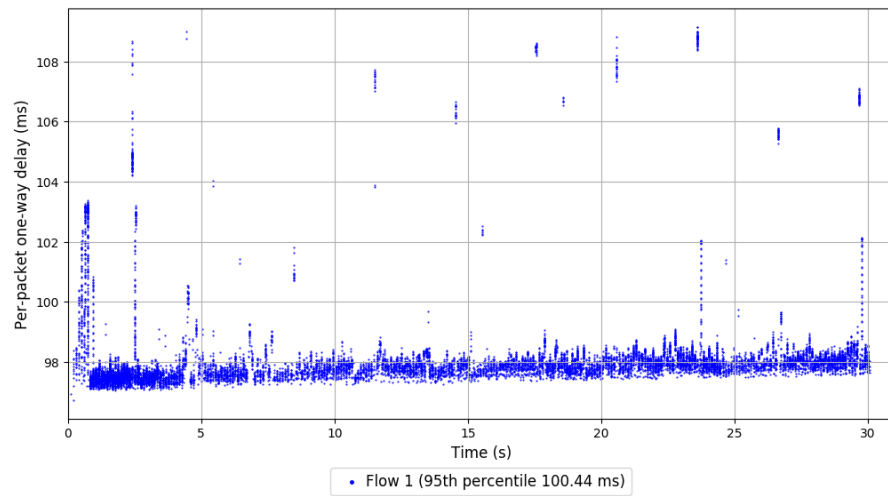
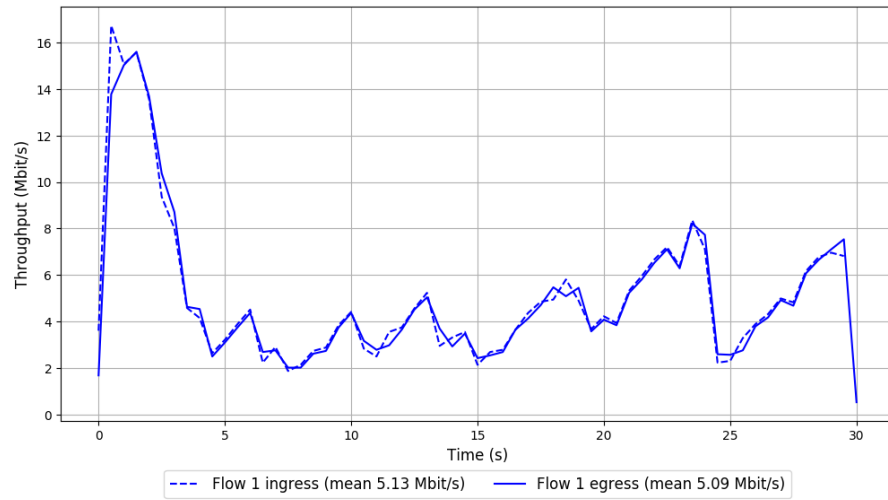


Run 4: Statistics of TCP Vegas

Start at: 2018-03-27 05:30:23
End at: 2018-03-27 05:30:53
Local clock offset: 3.597 ms
Remote clock offset: 34.036 ms

Below is generated by plot.py at 2018-03-27 08:29:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.09 Mbit/s
95th percentile per-packet one-way delay: 100.439 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 5.09 Mbit/s
95th percentile per-packet one-way delay: 100.439 ms
Loss rate: 0.93%

Run 4: Report of TCP Vegas — Data Link

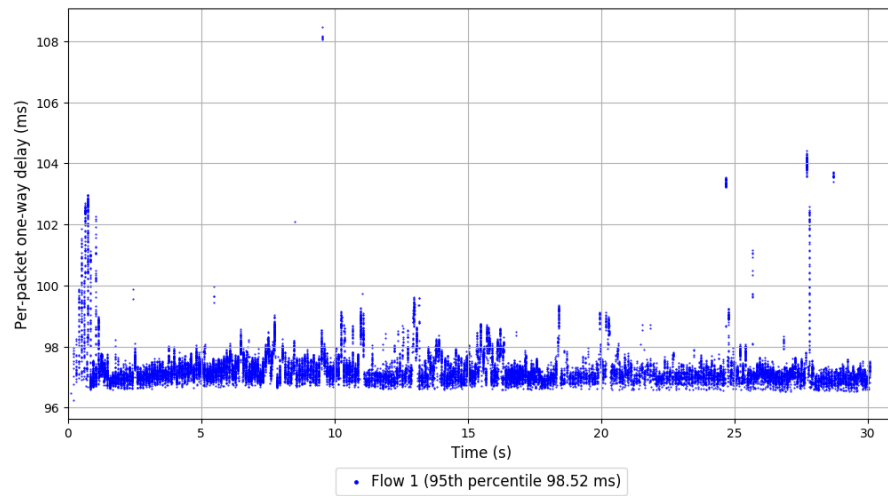
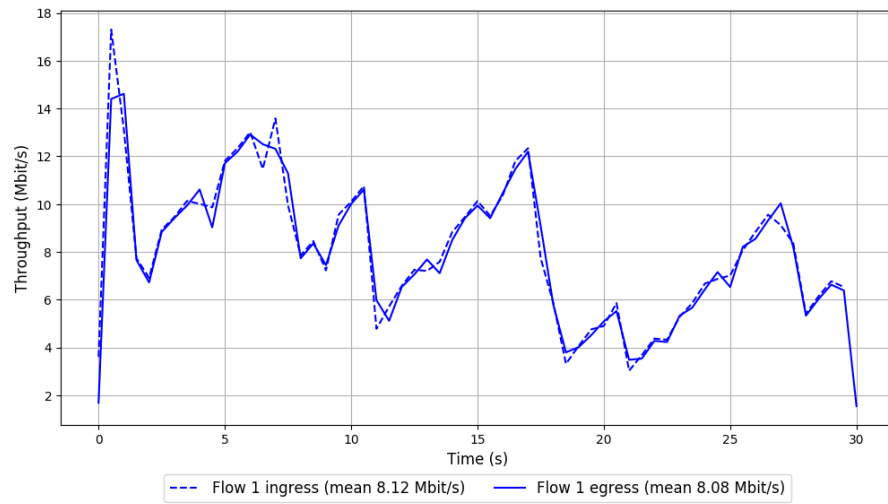


Run 5: Statistics of TCP Vegas

Start at: 2018-03-27 05:52:53
End at: 2018-03-27 05:53:23
Local clock offset: 5.758 ms
Remote clock offset: 28.902 ms

Below is generated by plot.py at 2018-03-27 08:29:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 8.08 Mbit/s
95th percentile per-packet one-way delay: 98.516 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 8.08 Mbit/s
95th percentile per-packet one-way delay: 98.516 ms
Loss rate: 0.52%

Run 5: Report of TCP Vegas — Data Link

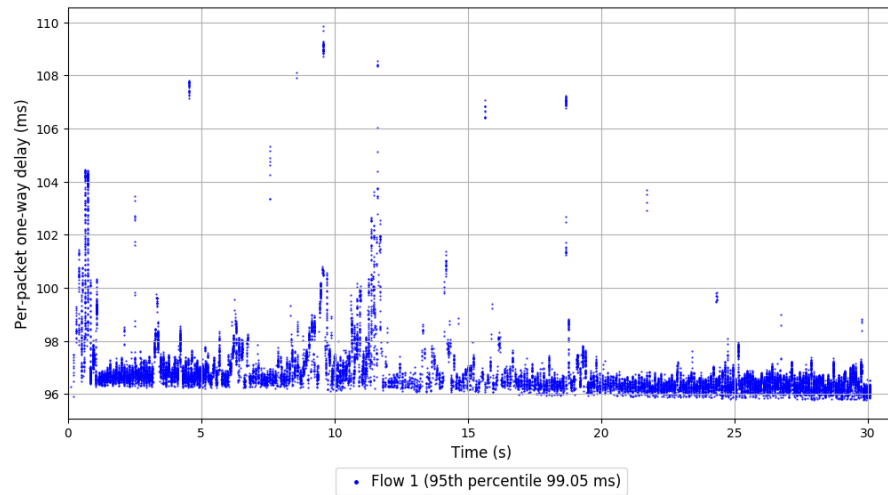
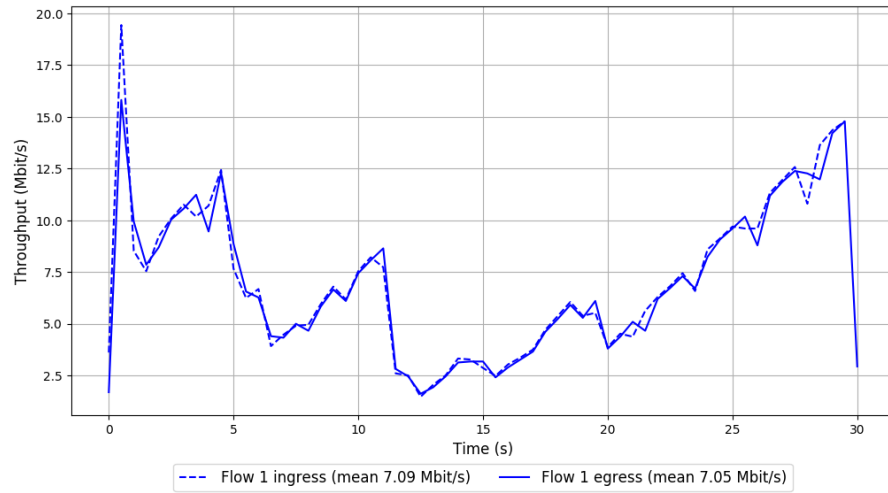


Run 6: Statistics of TCP Vegas

Start at: 2018-03-27 06:14:55
End at: 2018-03-27 06:15:25
Local clock offset: 4.004 ms
Remote clock offset: 51.101 ms

Below is generated by plot.py at 2018-03-27 08:29:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.05 Mbit/s
95th percentile per-packet one-way delay: 99.054 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 7.05 Mbit/s
95th percentile per-packet one-way delay: 99.054 ms
Loss rate: 0.64%

Run 6: Report of TCP Vegas — Data Link

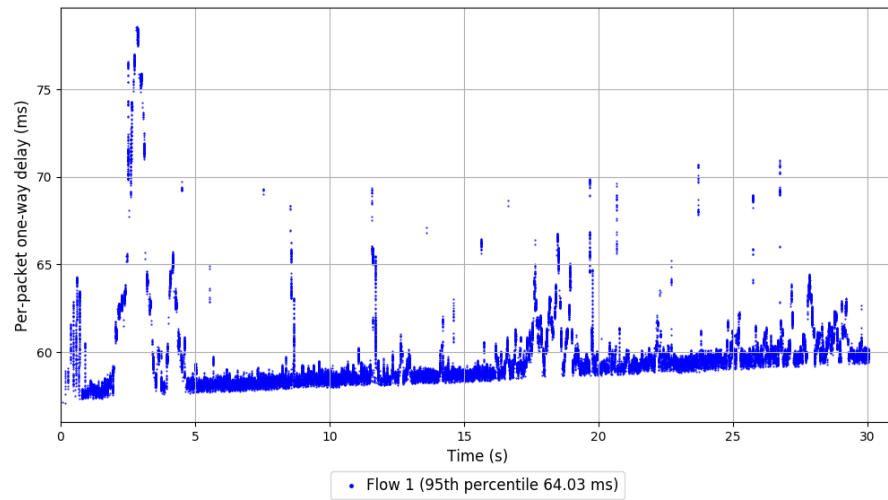
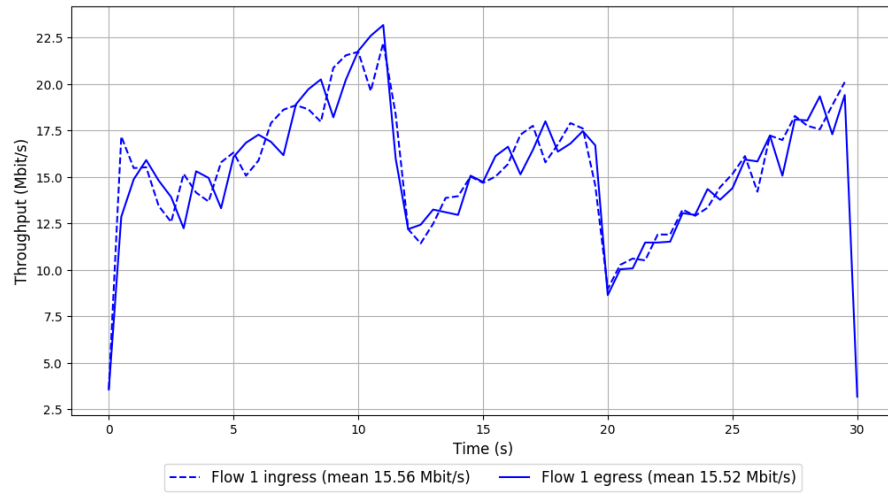


Run 7: Statistics of TCP Vegas

Start at: 2018-03-27 06:37:54
End at: 2018-03-27 06:38:24
Local clock offset: 8.075 ms
Remote clock offset: 18.066 ms

Below is generated by plot.py at 2018-03-27 08:29:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.52 Mbit/s
95th percentile per-packet one-way delay: 64.035 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 15.52 Mbit/s
95th percentile per-packet one-way delay: 64.035 ms
Loss rate: 0.23%

Run 7: Report of TCP Vegas — Data Link

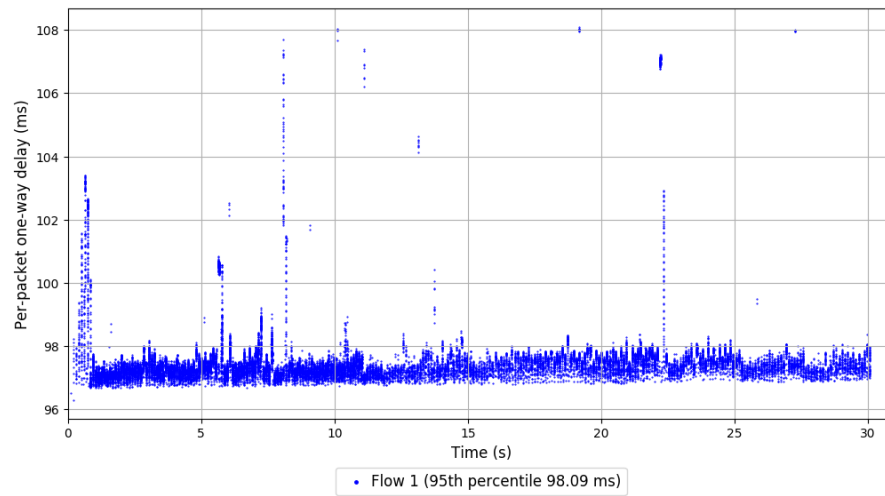
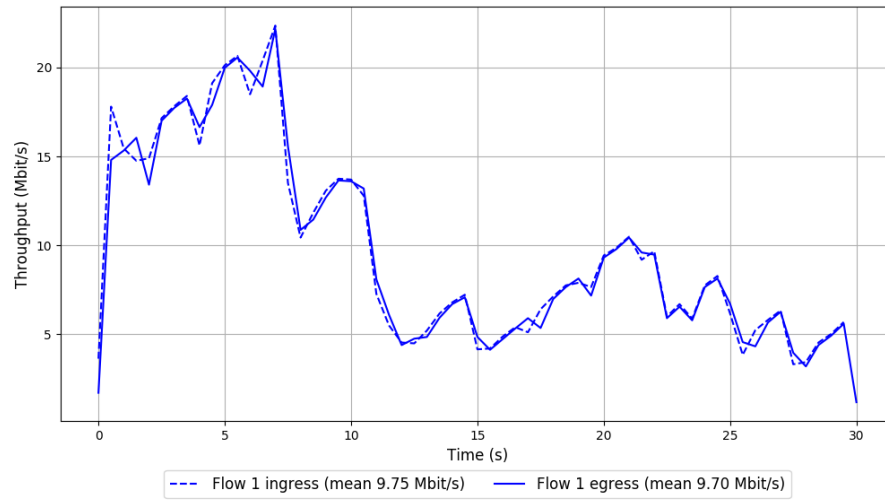


Run 8: Statistics of TCP Vegas

Start at: 2018-03-27 07:00:20
End at: 2018-03-27 07:00:50
Local clock offset: 10.966 ms
Remote clock offset: 24.477 ms

Below is generated by plot.py at 2018-03-27 08:29:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.70 Mbit/s
95th percentile per-packet one-way delay: 98.088 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 9.70 Mbit/s
95th percentile per-packet one-way delay: 98.088 ms
Loss rate: 0.57%

Run 8: Report of TCP Vegas — Data Link

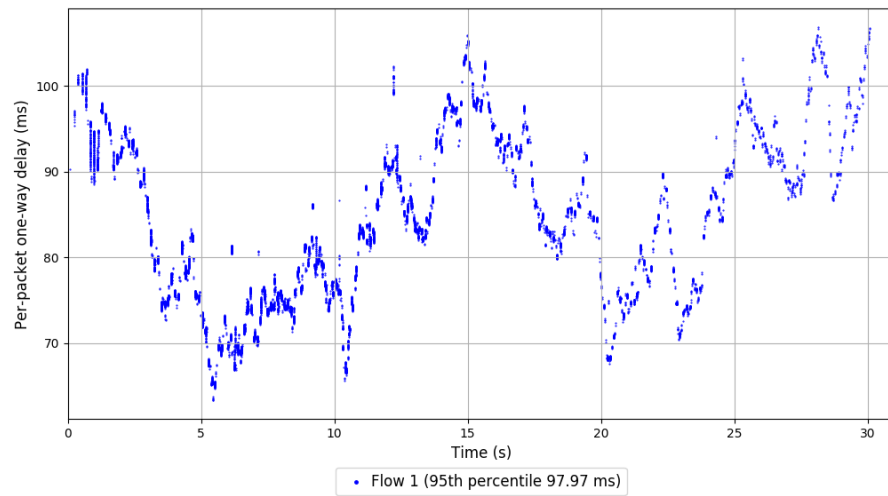
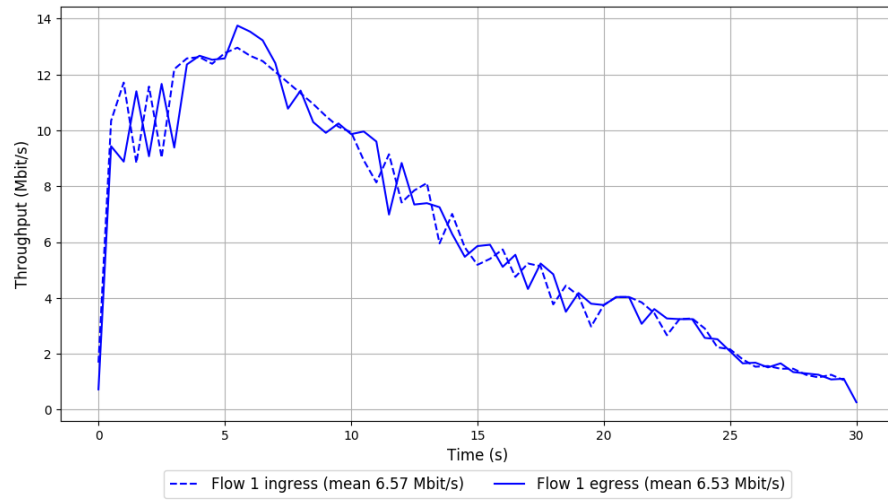


Run 9: Statistics of TCP Vegas

Start at: 2018-03-27 07:22:27
End at: 2018-03-27 07:22:57
Local clock offset: 4.348 ms
Remote clock offset: 31.232 ms

Below is generated by plot.py at 2018-03-27 08:29:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.53 Mbit/s
95th percentile per-packet one-way delay: 97.965 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 6.53 Mbit/s
95th percentile per-packet one-way delay: 97.965 ms
Loss rate: 0.47%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-03-27 07:44:14

End at: 2018-03-27 07:44:44

Local clock offset: 5.031 ms

Remote clock offset: 62.231 ms

Below is generated by plot.py at 2018-03-27 08:29:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.72 Mbit/s

95th percentile per-packet one-way delay: 85.762 ms

Loss rate: 0.96%

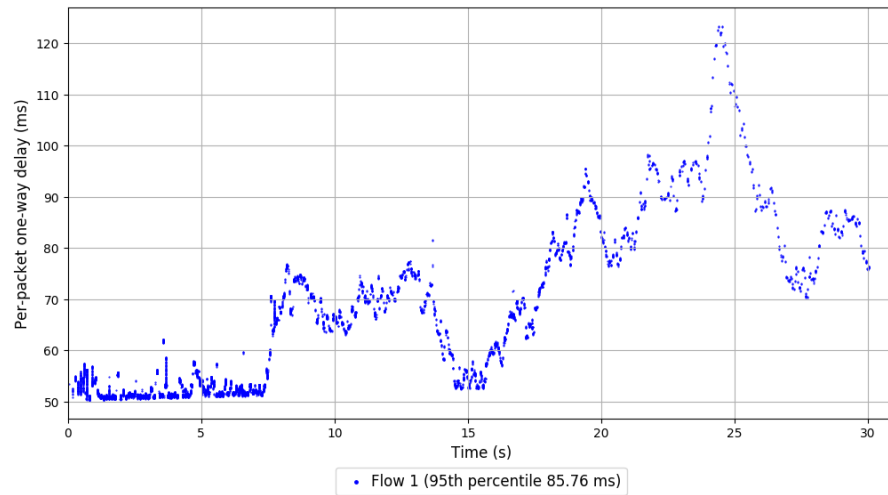
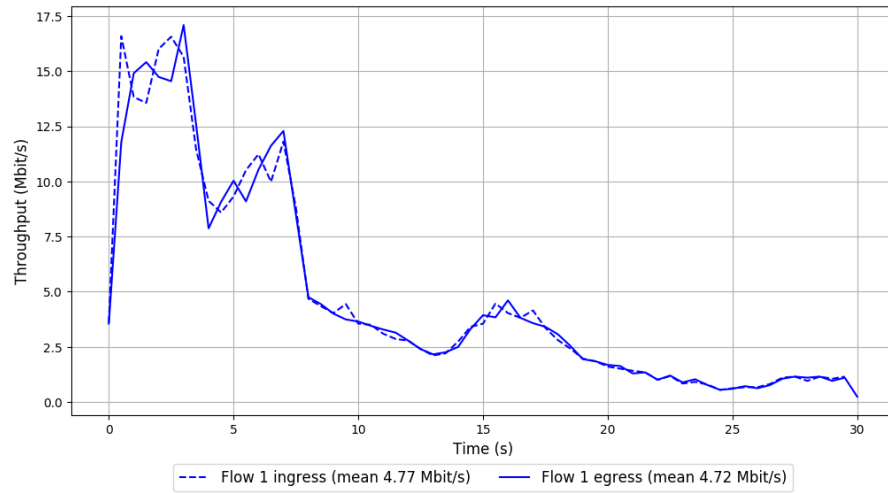
-- Flow 1:

Average throughput: 4.72 Mbit/s

95th percentile per-packet one-way delay: 85.762 ms

Loss rate: 0.96%

Run 10: Report of TCP Vegas — Data Link

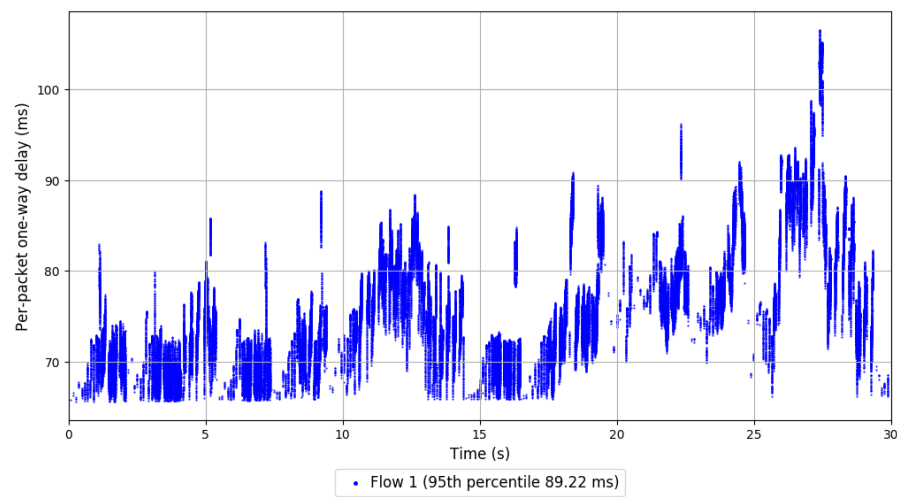
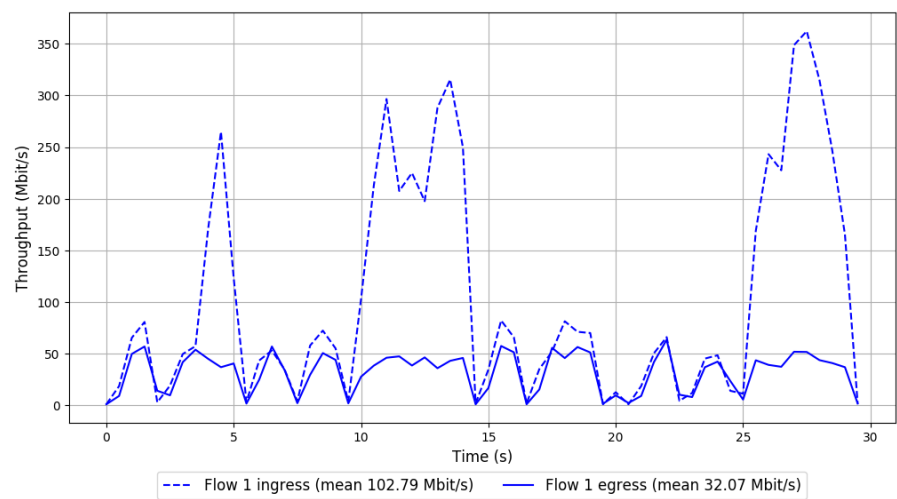


Run 1: Statistics of Verus

Start at: 2018-03-27 04:20:53
End at: 2018-03-27 04:21:23
Local clock offset: 5.435 ms
Remote clock offset: -27.638 ms

Below is generated by plot.py at 2018-03-27 08:29:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.07 Mbit/s
95th percentile per-packet one-way delay: 89.219 ms
Loss rate: 68.79%
-- Flow 1:
Average throughput: 32.07 Mbit/s
95th percentile per-packet one-way delay: 89.219 ms
Loss rate: 68.79%

Run 1: Report of Verus — Data Link

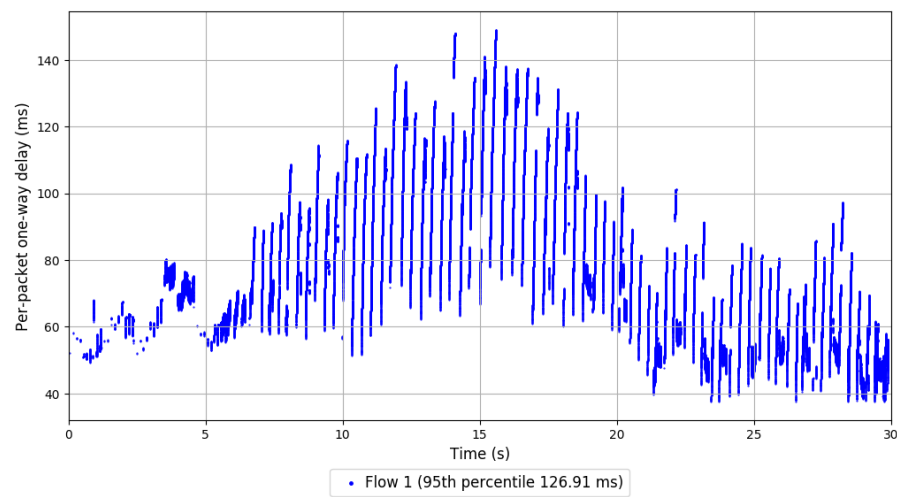
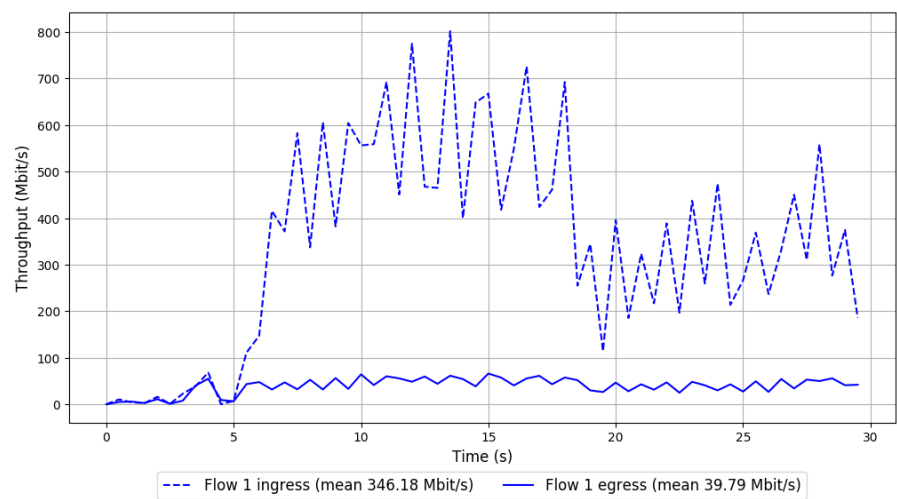


Run 2: Statistics of Verus

Start at: 2018-03-27 04:42:37
End at: 2018-03-27 04:43:07
Local clock offset: 14.002 ms
Remote clock offset: -64.515 ms

Below is generated by plot.py at 2018-03-27 08:29:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 39.79 Mbit/s
95th percentile per-packet one-way delay: 126.913 ms
Loss rate: 88.51%
-- Flow 1:
Average throughput: 39.79 Mbit/s
95th percentile per-packet one-way delay: 126.913 ms
Loss rate: 88.51%

Run 2: Report of Verus — Data Link

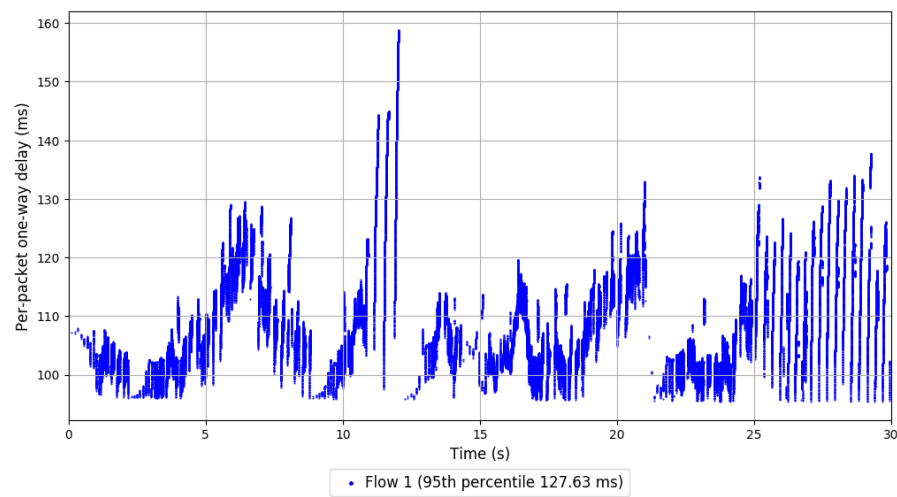
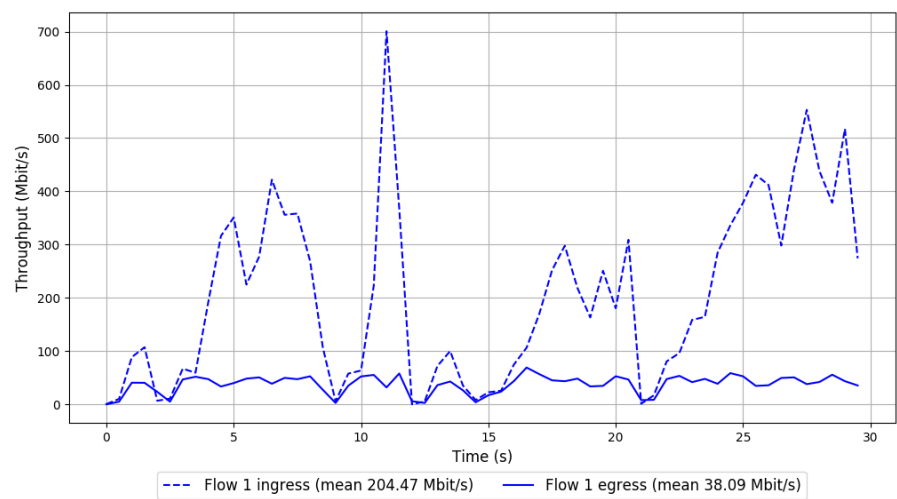


Run 3: Statistics of Verus

Start at: 2018-03-27 05:04:26
End at: 2018-03-27 05:04:56
Local clock offset: 0.965 ms
Remote clock offset: 20.292 ms

Below is generated by plot.py at 2018-03-27 08:29:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 38.09 Mbit/s
95th percentile per-packet one-way delay: 127.633 ms
Loss rate: 81.37%
-- Flow 1:
Average throughput: 38.09 Mbit/s
95th percentile per-packet one-way delay: 127.633 ms
Loss rate: 81.37%

Run 3: Report of Verus — Data Link

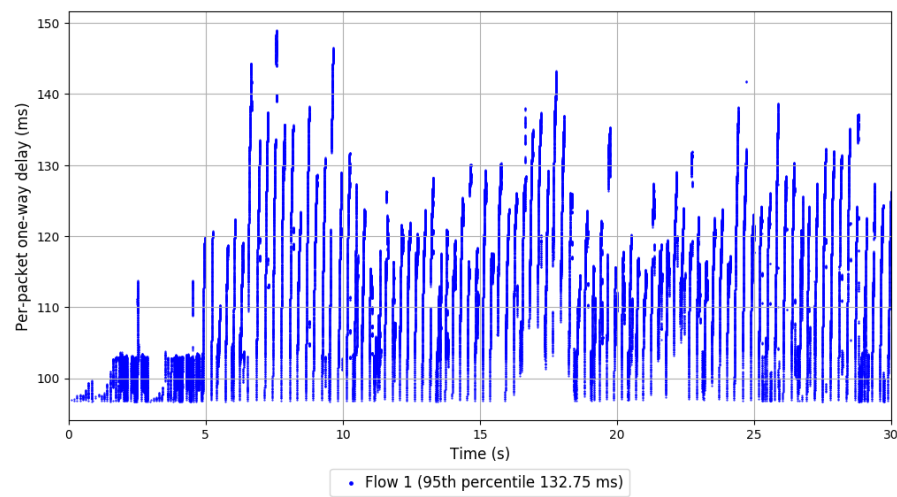
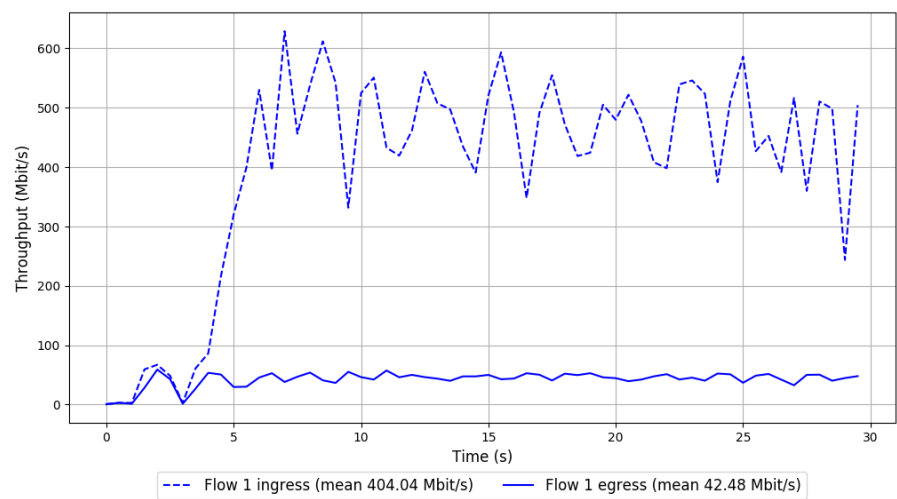


Run 4: Statistics of Verus

Start at: 2018-03-27 05:26:37
End at: 2018-03-27 05:27:07
Local clock offset: 2.648 ms
Remote clock offset: 36.348 ms

Below is generated by plot.py at 2018-03-27 08:30:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 42.48 Mbit/s
95th percentile per-packet one-way delay: 132.748 ms
Loss rate: 89.48%
-- Flow 1:
Average throughput: 42.48 Mbit/s
95th percentile per-packet one-way delay: 132.748 ms
Loss rate: 89.48%

Run 4: Report of Verus — Data Link

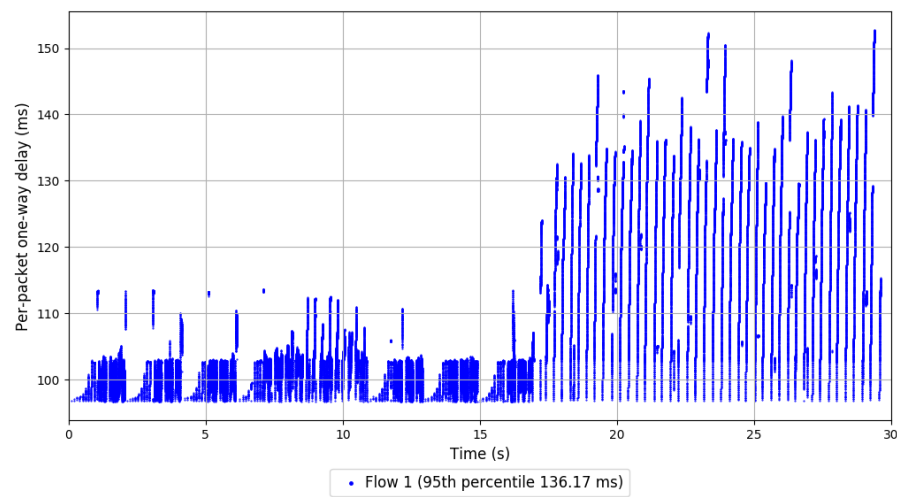
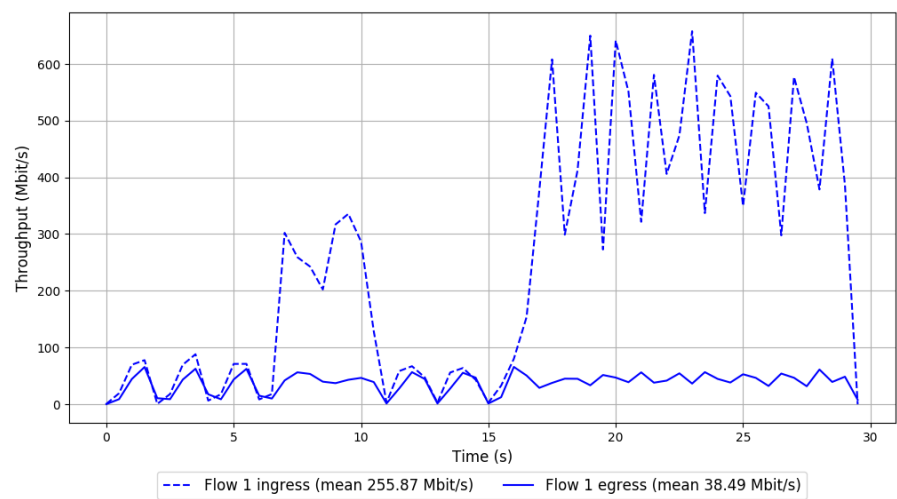


Run 5: Statistics of Verus

Start at: 2018-03-27 05:49:04
End at: 2018-03-27 05:49:34
Local clock offset: 5.825 ms
Remote clock offset: 28.702 ms

Below is generated by plot.py at 2018-03-27 08:30:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 38.49 Mbit/s
95th percentile per-packet one-way delay: 136.168 ms
Loss rate: 84.95%
-- Flow 1:
Average throughput: 38.49 Mbit/s
95th percentile per-packet one-way delay: 136.168 ms
Loss rate: 84.95%

Run 5: Report of Verus — Data Link

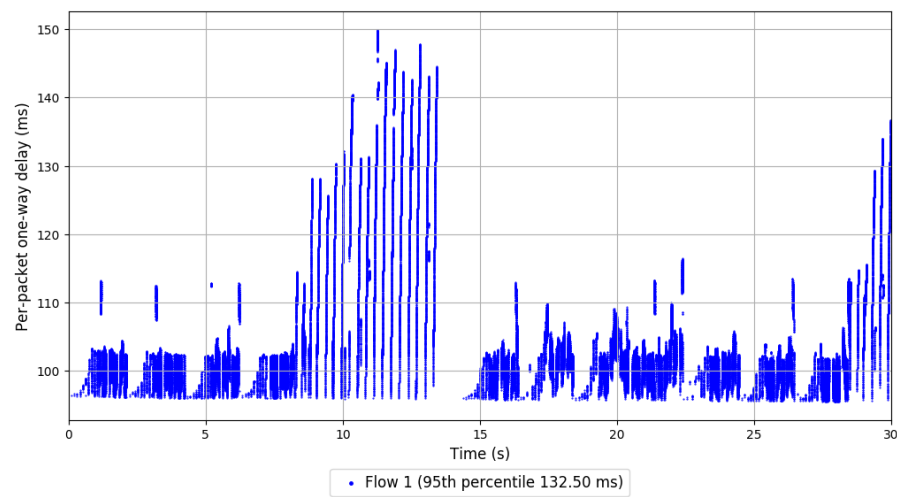
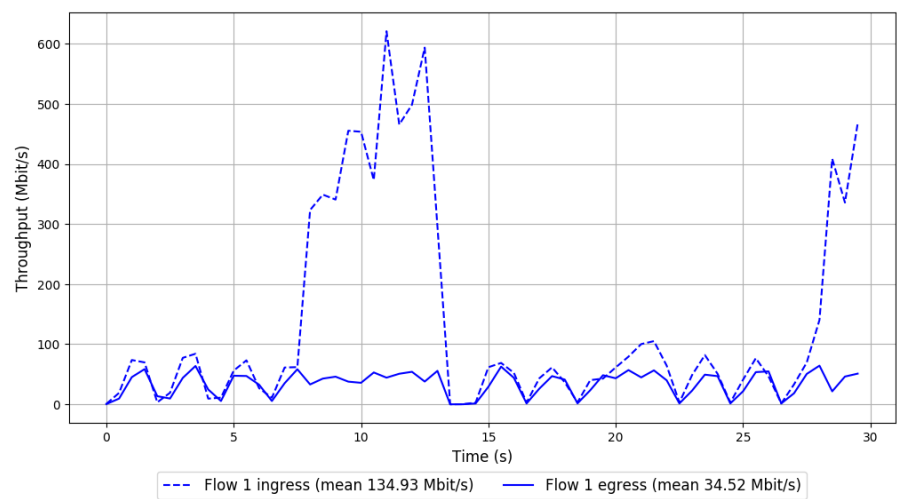


Run 6: Statistics of Verus

Start at: 2018-03-27 06:11:03
End at: 2018-03-27 06:11:33
Local clock offset: 4.285 ms
Remote clock offset: 46.575 ms

Below is generated by plot.py at 2018-03-27 08:30:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.52 Mbit/s
95th percentile per-packet one-way delay: 132.498 ms
Loss rate: 74.39%
-- Flow 1:
Average throughput: 34.52 Mbit/s
95th percentile per-packet one-way delay: 132.498 ms
Loss rate: 74.39%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-03-27 06:33:50

End at: 2018-03-27 06:34:20

Local clock offset: 6.992 ms

Remote clock offset: 3.234 ms

Below is generated by plot.py at 2018-03-27 08:30:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.25 Mbit/s

95th percentile per-packet one-way delay: 68.457 ms

Loss rate: 83.45%

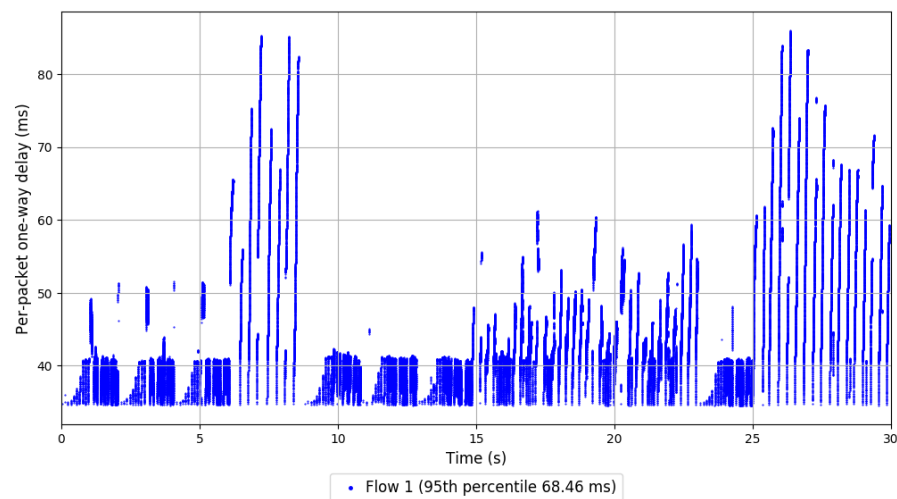
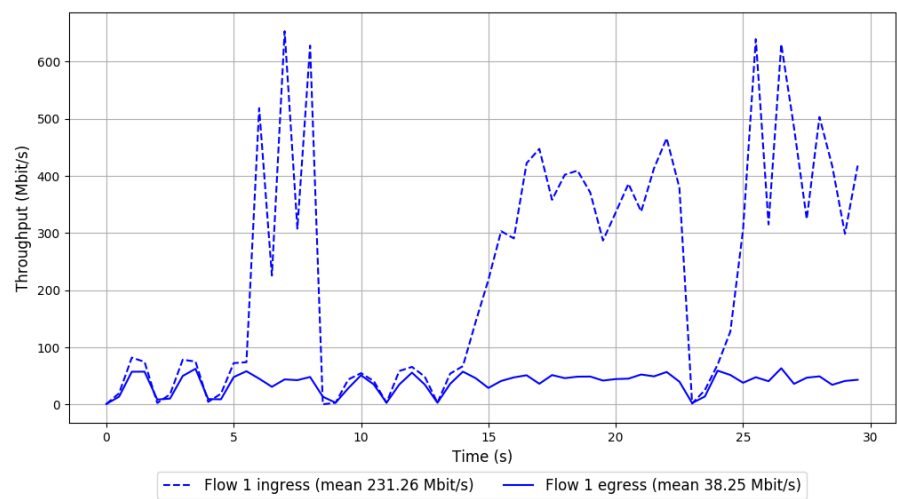
-- Flow 1:

Average throughput: 38.25 Mbit/s

95th percentile per-packet one-way delay: 68.457 ms

Loss rate: 83.45%

Run 7: Report of Verus — Data Link

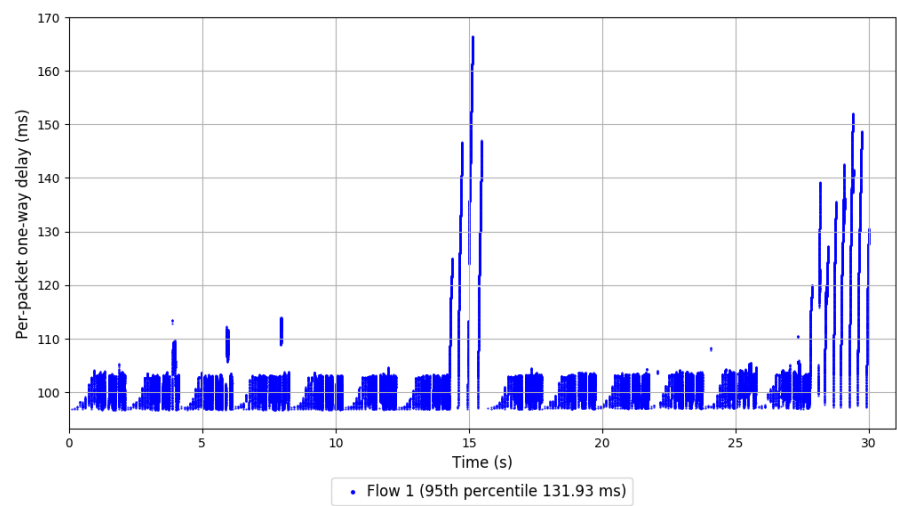
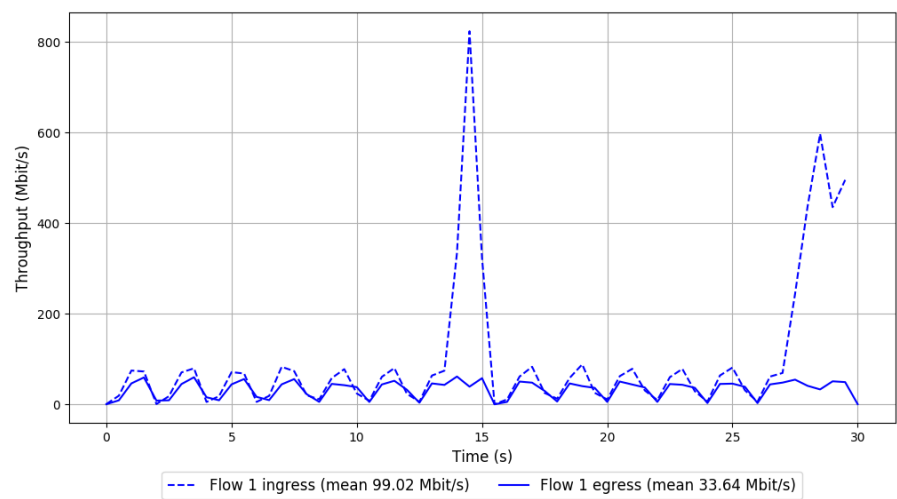


Run 8: Statistics of Verus

Start at: 2018-03-27 06:56:37
End at: 2018-03-27 06:57:07
Local clock offset: 10.733 ms
Remote clock offset: 26.299 ms

Below is generated by plot.py at 2018-03-27 08:30:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.64 Mbit/s
95th percentile per-packet one-way delay: 131.929 ms
Loss rate: 65.99%
-- Flow 1:
Average throughput: 33.64 Mbit/s
95th percentile per-packet one-way delay: 131.929 ms
Loss rate: 65.99%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-03-27 07:18:42

End at: 2018-03-27 07:19:12

Local clock offset: 4.82 ms

Remote clock offset: 3.896 ms

Below is generated by plot.py at 2018-03-27 08:30:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.43 Mbit/s

95th percentile per-packet one-way delay: 112.469 ms

Loss rate: 86.68%

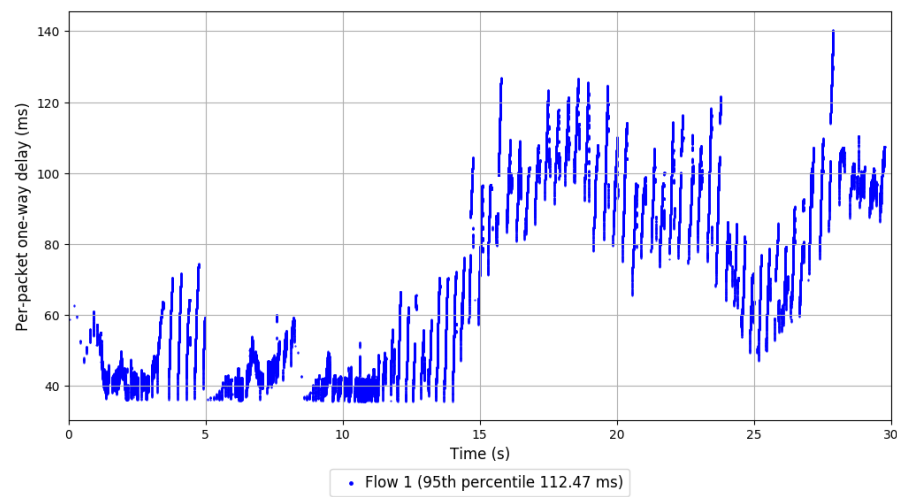
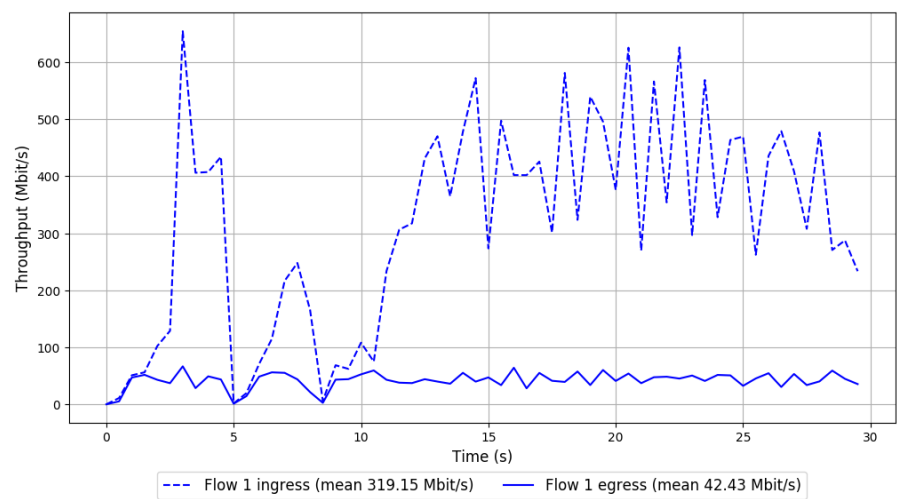
-- Flow 1:

Average throughput: 42.43 Mbit/s

95th percentile per-packet one-way delay: 112.469 ms

Loss rate: 86.68%

Run 9: Report of Verus — Data Link

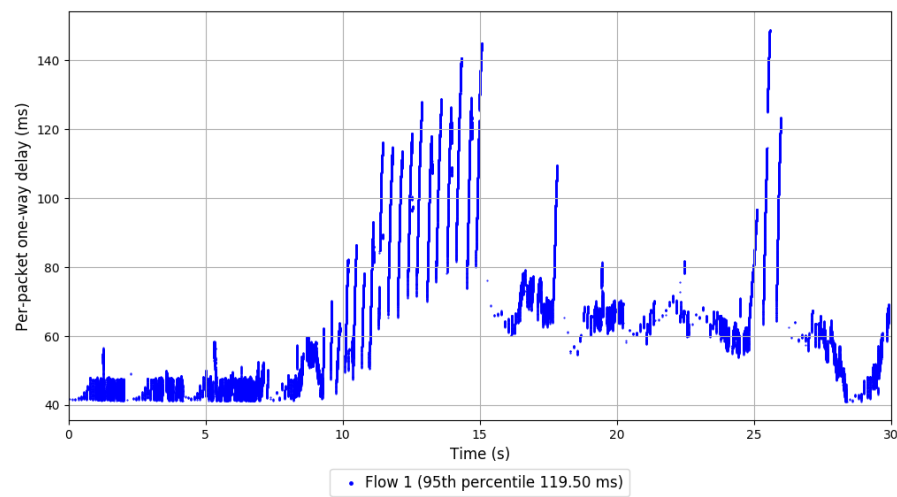
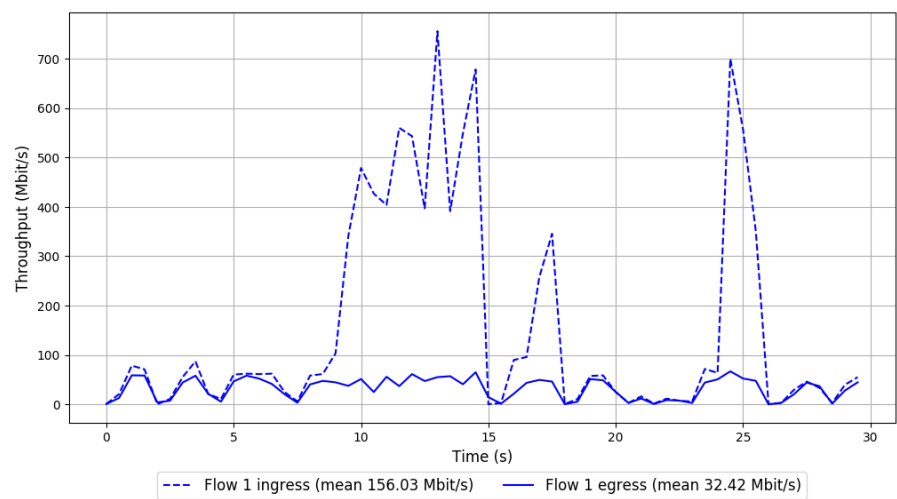


Run 10: Statistics of Verus

Start at: 2018-03-27 07:40:31
End at: 2018-03-27 07:41:01
Local clock offset: 4.531 ms
Remote clock offset: 49.229 ms

Below is generated by plot.py at 2018-03-27 08:30:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.42 Mbit/s
95th percentile per-packet one-way delay: 119.503 ms
Loss rate: 79.20%
-- Flow 1:
Average throughput: 32.42 Mbit/s
95th percentile per-packet one-way delay: 119.503 ms
Loss rate: 79.20%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-03-27 04:29:19

End at: 2018-03-27 04:29:49

Local clock offset: 9.996 ms

Remote clock offset: -44.609 ms

Below is generated by plot.py at 2018-03-27 08:30:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 28.80 Mbit/s

95th percentile per-packet one-way delay: 82.942 ms

Loss rate: 0.08%

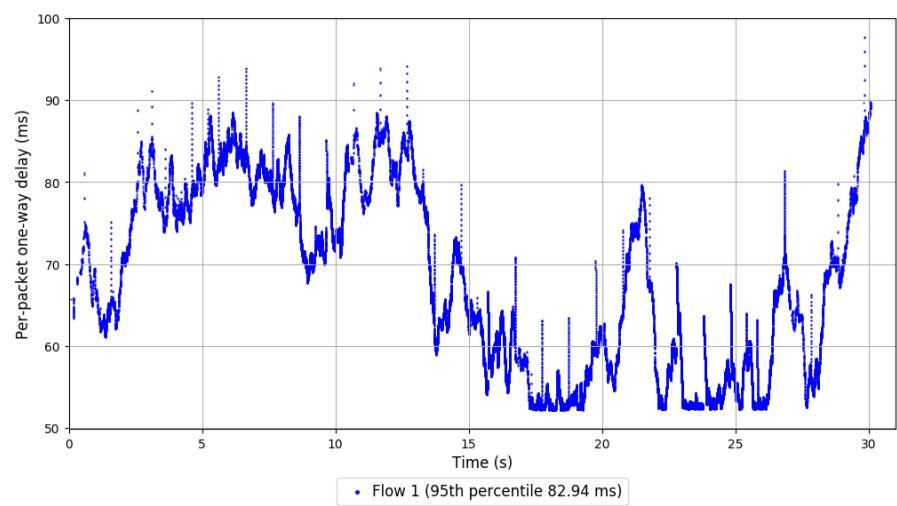
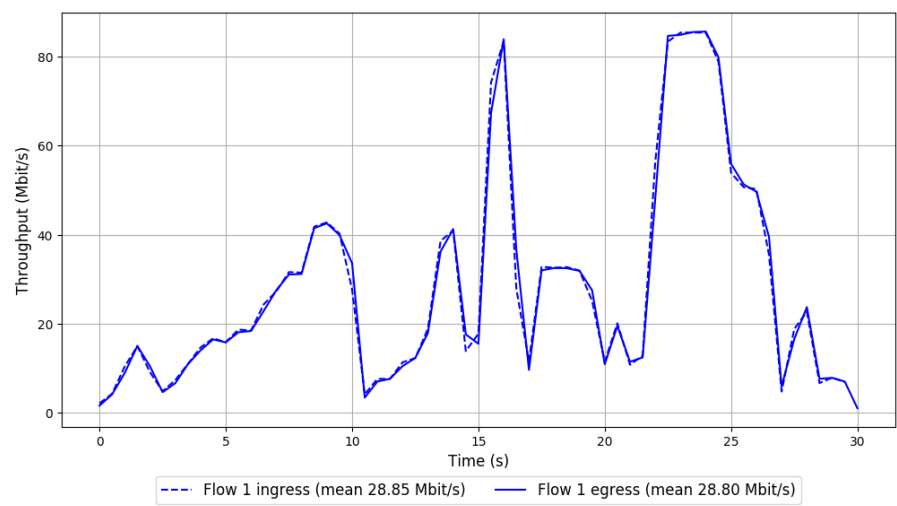
-- Flow 1:

Average throughput: 28.80 Mbit/s

95th percentile per-packet one-way delay: 82.942 ms

Loss rate: 0.08%

Run 1: Report of Copa — Data Link

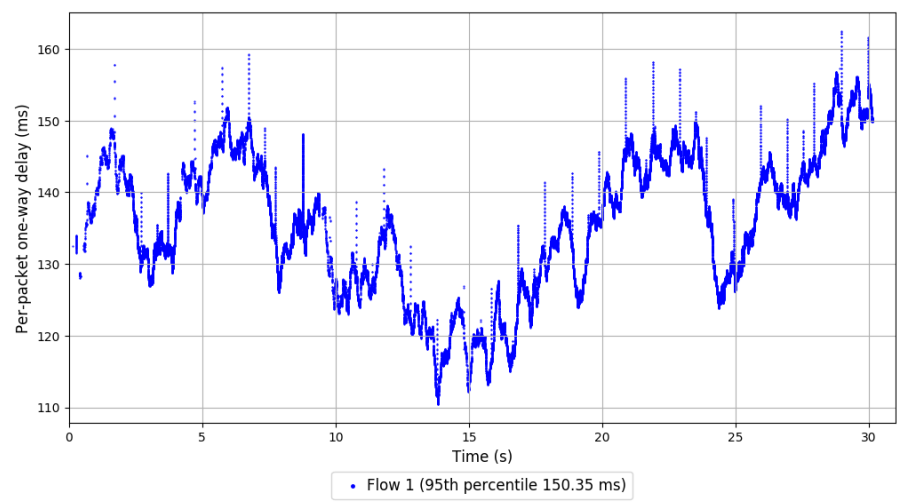
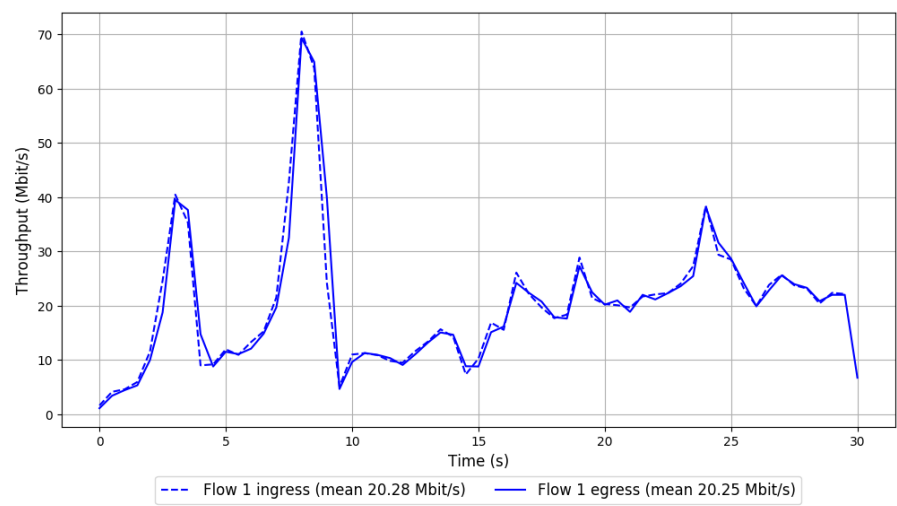


Run 2: Statistics of Copa

Start at: 2018-03-27 04:51:10
End at: 2018-03-27 04:51:40
Local clock offset: 7.357 ms
Remote clock offset: -8.179 ms

Below is generated by plot.py at 2018-03-27 08:30:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.25 Mbit/s
95th percentile per-packet one-way delay: 150.351 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 20.25 Mbit/s
95th percentile per-packet one-way delay: 150.351 ms
Loss rate: 0.05%

Run 2: Report of Copa — Data Link

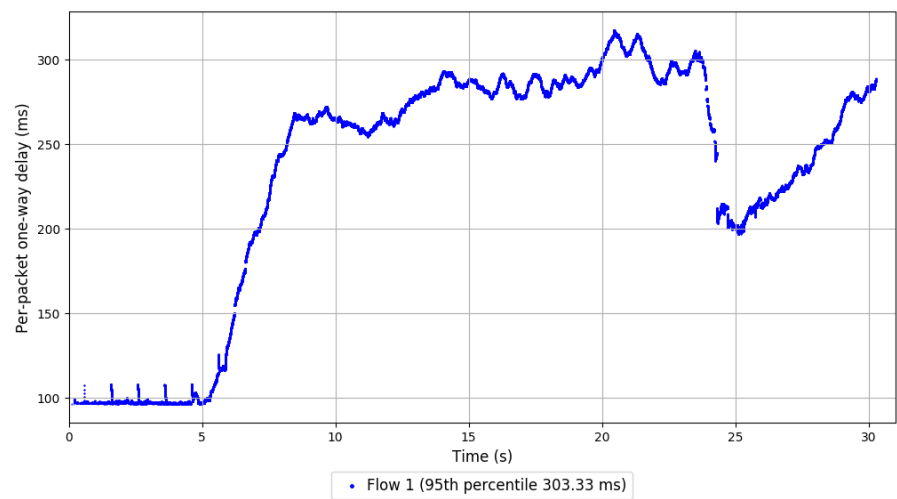
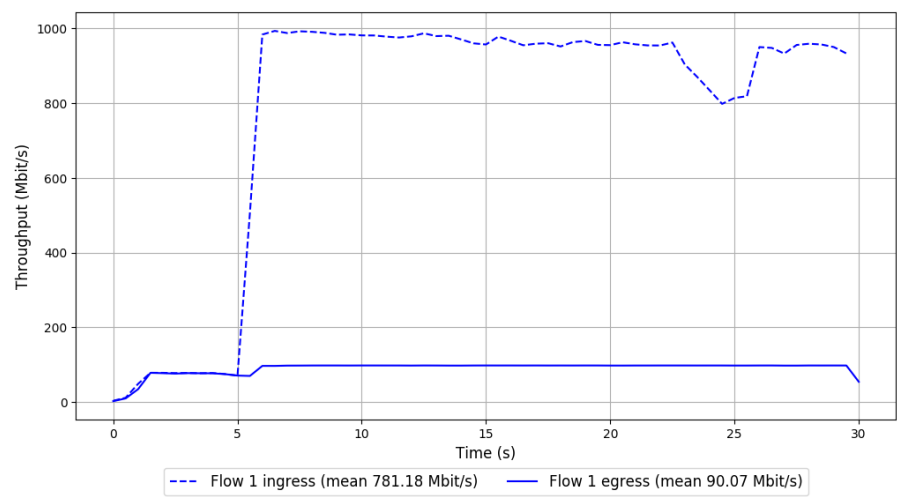


Run 3: Statistics of Copa

Start at: 2018-03-27 05:13:04
End at: 2018-03-27 05:13:34
Local clock offset: -1.014 ms
Remote clock offset: 29.096 ms

Below is generated by plot.py at 2018-03-27 08:37:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.07 Mbit/s
95th percentile per-packet one-way delay: 303.330 ms
Loss rate: 88.40%
-- Flow 1:
Average throughput: 90.07 Mbit/s
95th percentile per-packet one-way delay: 303.330 ms
Loss rate: 88.40%

Run 3: Report of Copa — Data Link

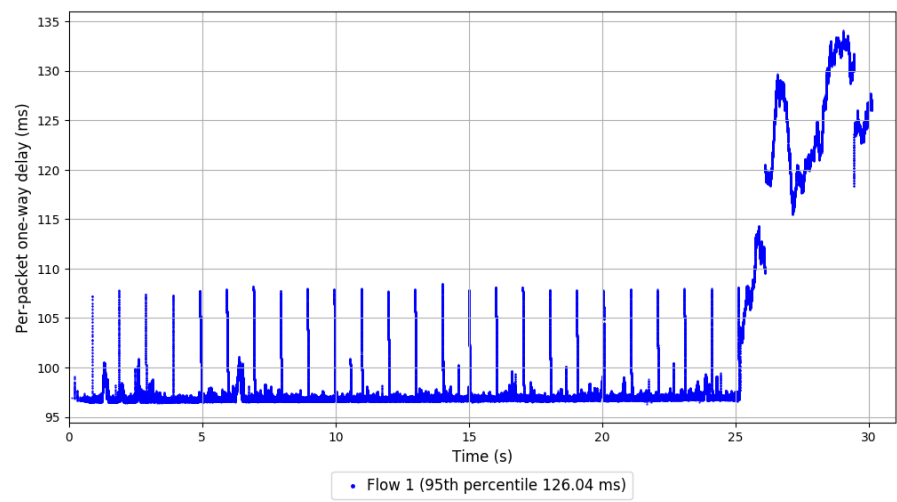
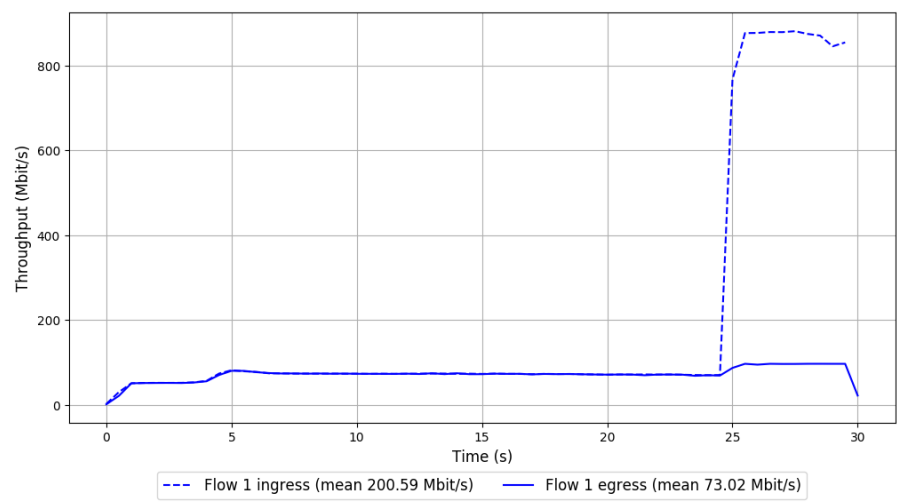


Run 4: Statistics of Copa

Start at: 2018-03-27 05:35:17
End at: 2018-03-27 05:35:47
Local clock offset: 4.719 ms
Remote clock offset: 30.738 ms

Below is generated by plot.py at 2018-03-27 08:37:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.02 Mbit/s
95th percentile per-packet one-way delay: 126.042 ms
Loss rate: 63.56%
-- Flow 1:
Average throughput: 73.02 Mbit/s
95th percentile per-packet one-way delay: 126.042 ms
Loss rate: 63.56%

Run 4: Report of Copa — Data Link

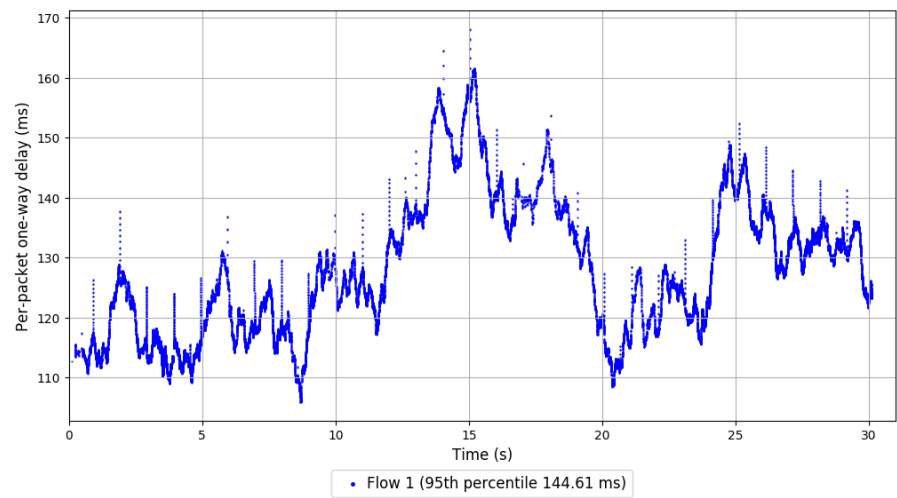
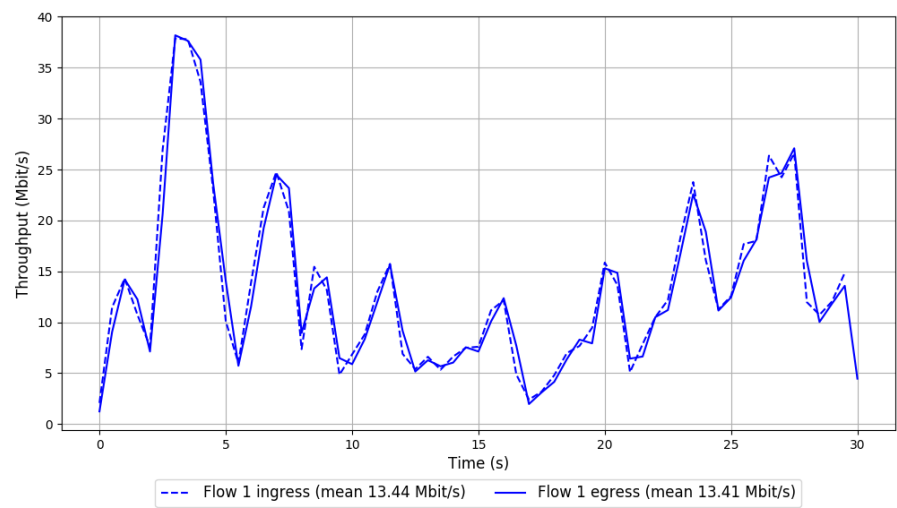


Run 5: Statistics of Copa

Start at: 2018-03-27 05:57:44
End at: 2018-03-27 05:58:14
Local clock offset: 5.217 ms
Remote clock offset: 29.157 ms

Below is generated by plot.py at 2018-03-27 08:37:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.41 Mbit/s
95th percentile per-packet one-way delay: 144.612 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 13.41 Mbit/s
95th percentile per-packet one-way delay: 144.612 ms
Loss rate: 0.14%

Run 5: Report of Copa — Data Link

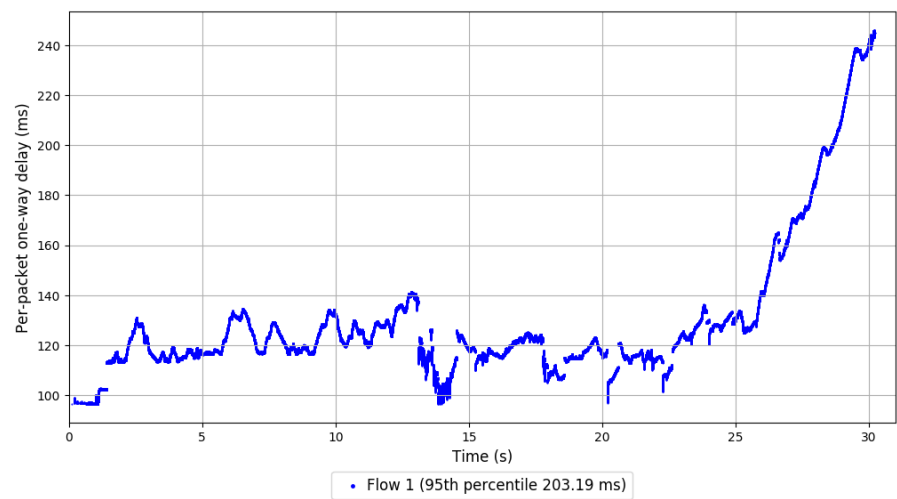
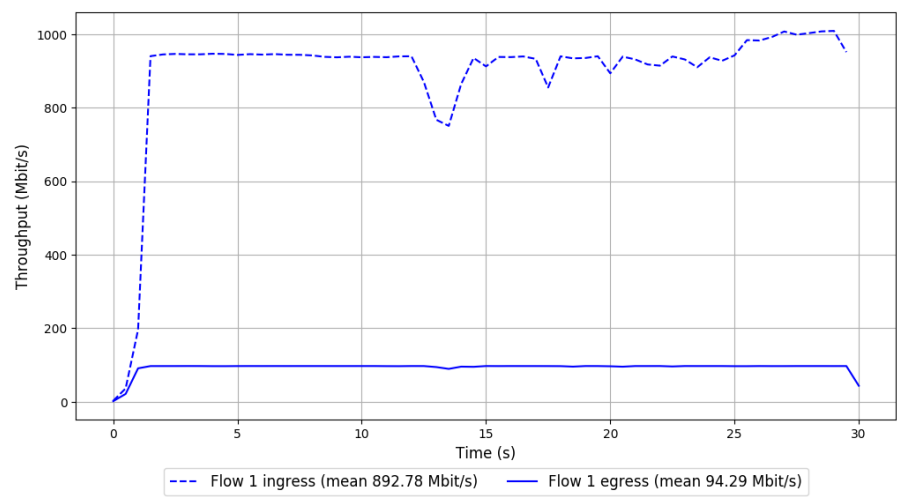


Run 6: Statistics of Copa

Start at: 2018-03-27 06:19:45
End at: 2018-03-27 06:20:15
Local clock offset: 3.829 ms
Remote clock offset: 55.291 ms

Below is generated by plot.py at 2018-03-27 08:38:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.29 Mbit/s
95th percentile per-packet one-way delay: 203.194 ms
Loss rate: 89.39%
-- Flow 1:
Average throughput: 94.29 Mbit/s
95th percentile per-packet one-way delay: 203.194 ms
Loss rate: 89.39%

Run 6: Report of Copa — Data Link

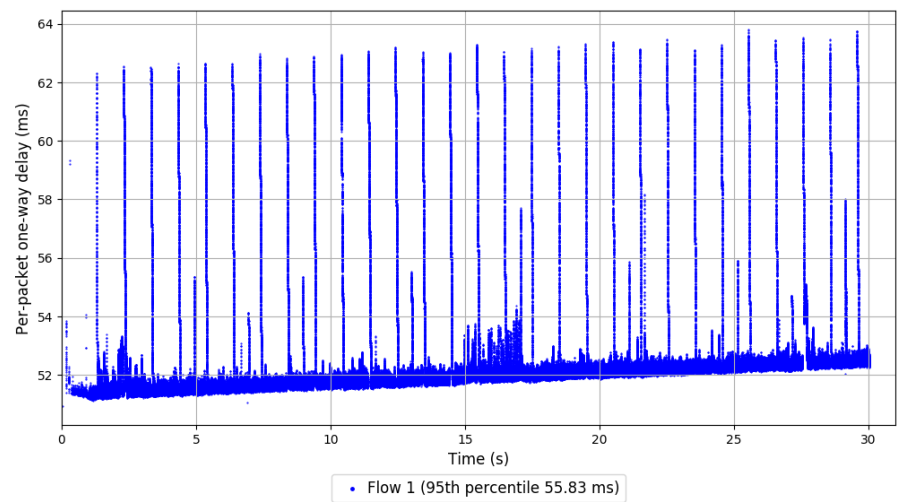
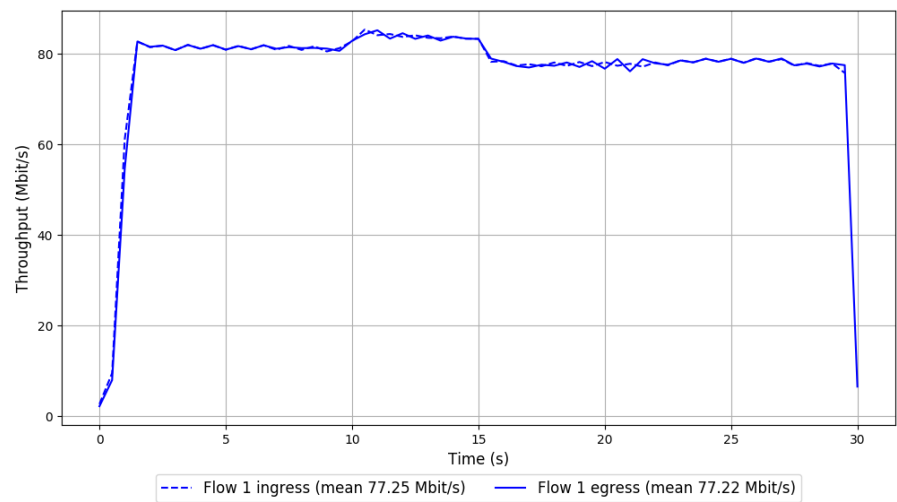


Run 7: Statistics of Copa

Start at: 2018-03-27 06:43:07
End at: 2018-03-27 06:43:37
Local clock offset: 9.08 ms
Remote clock offset: -3.794 ms

Below is generated by plot.py at 2018-03-27 08:38:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.22 Mbit/s
95th percentile per-packet one-way delay: 55.825 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 77.22 Mbit/s
95th percentile per-packet one-way delay: 55.825 ms
Loss rate: 0.03%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-03-27 07:05:11

End at: 2018-03-27 07:05:41

Local clock offset: 8.993 ms

Remote clock offset: -31.489 ms

Below is generated by plot.py at 2018-03-27 08:38:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.32 Mbit/s

95th percentile per-packet one-way delay: 73.124 ms

Loss rate: 48.83%

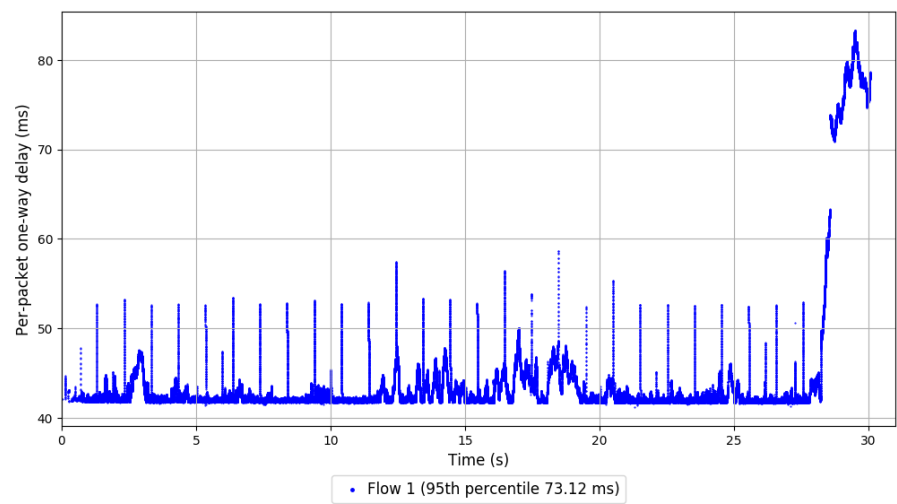
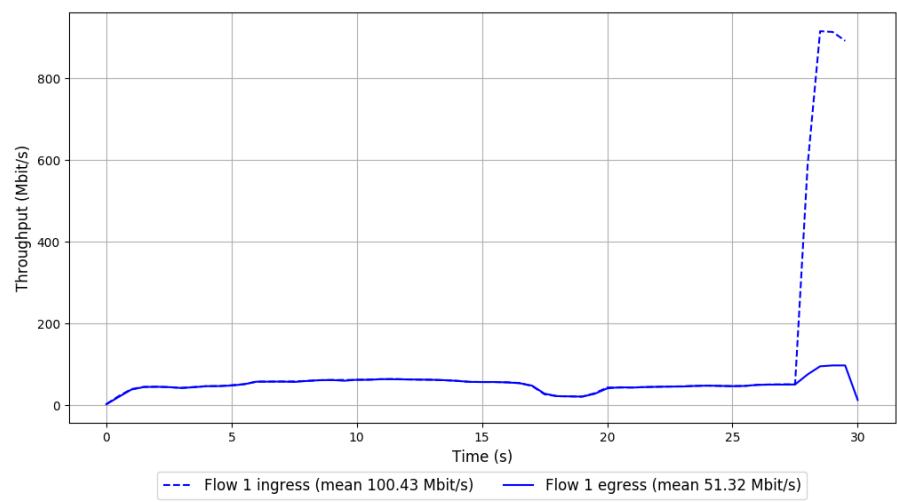
-- Flow 1:

Average throughput: 51.32 Mbit/s

95th percentile per-packet one-way delay: 73.124 ms

Loss rate: 48.83%

Run 8: Report of Copa — Data Link

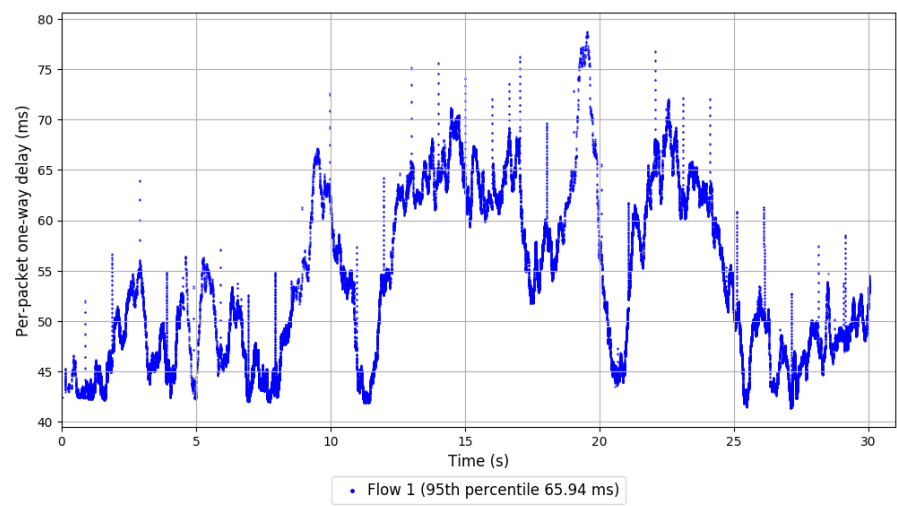
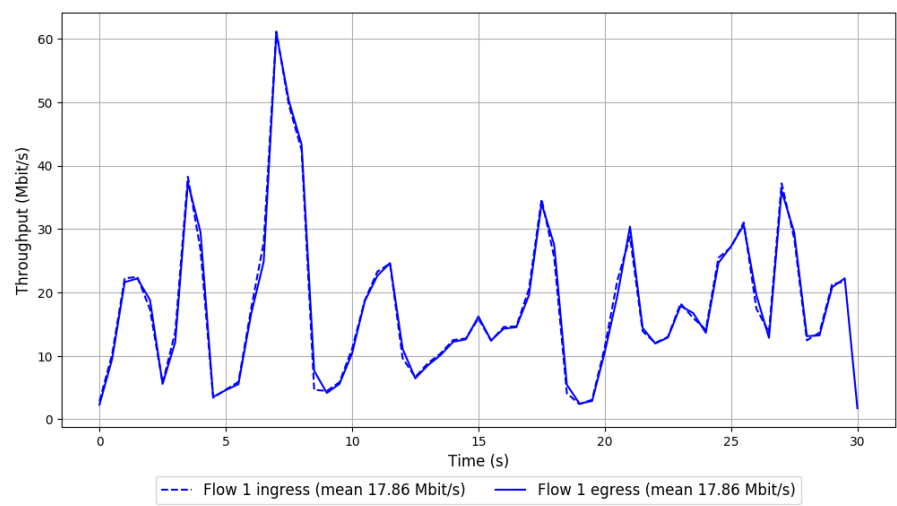


Run 9: Statistics of Copa

Start at: 2018-03-27 07:27:13
End at: 2018-03-27 07:27:43
Local clock offset: 3.987 ms
Remote clock offset: 30.795 ms

Below is generated by plot.py at 2018-03-27 08:38:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 17.86 Mbit/s
95th percentile per-packet one-way delay: 65.935 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 17.86 Mbit/s
95th percentile per-packet one-way delay: 65.935 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-03-27 07:49:02

End at: 2018-03-27 07:49:32

Local clock offset: 5.82 ms

Remote clock offset: 33.279 ms

Below is generated by plot.py at 2018-03-27 08:38:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.85 Mbit/s

95th percentile per-packet one-way delay: 78.198 ms

Loss rate: 0.00%

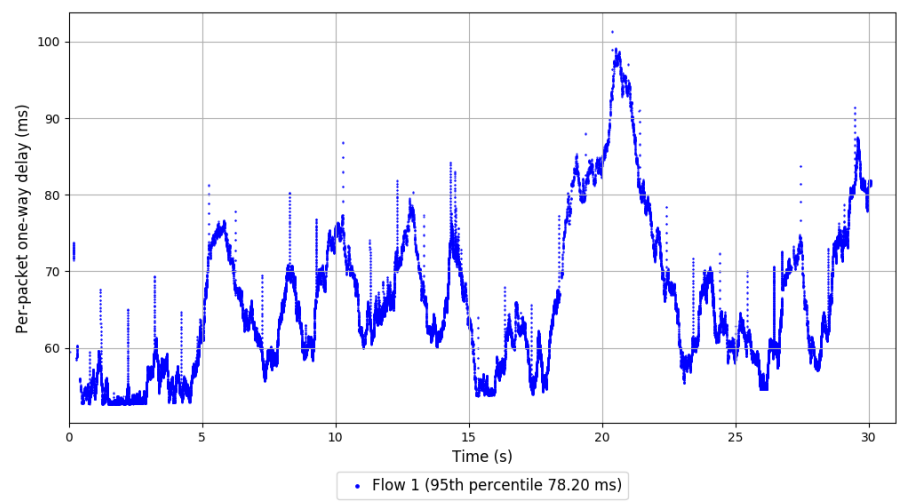
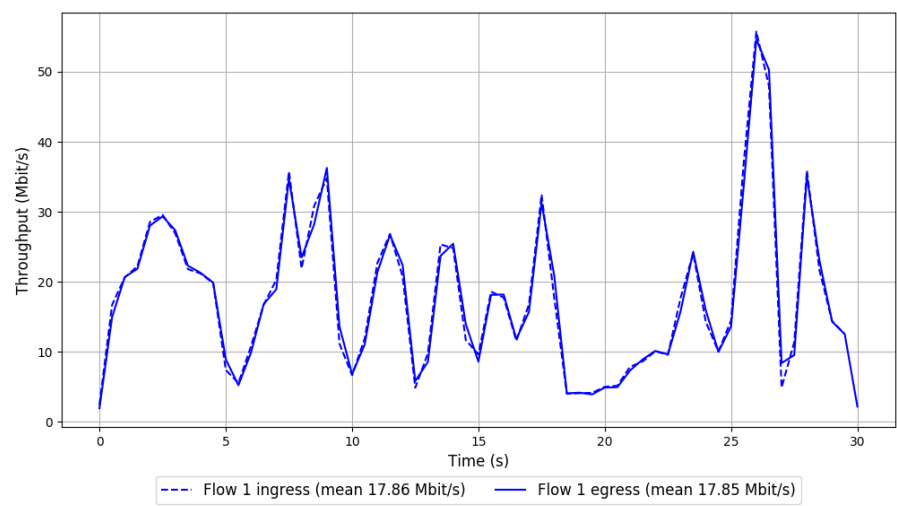
-- Flow 1:

Average throughput: 17.85 Mbit/s

95th percentile per-packet one-way delay: 78.198 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

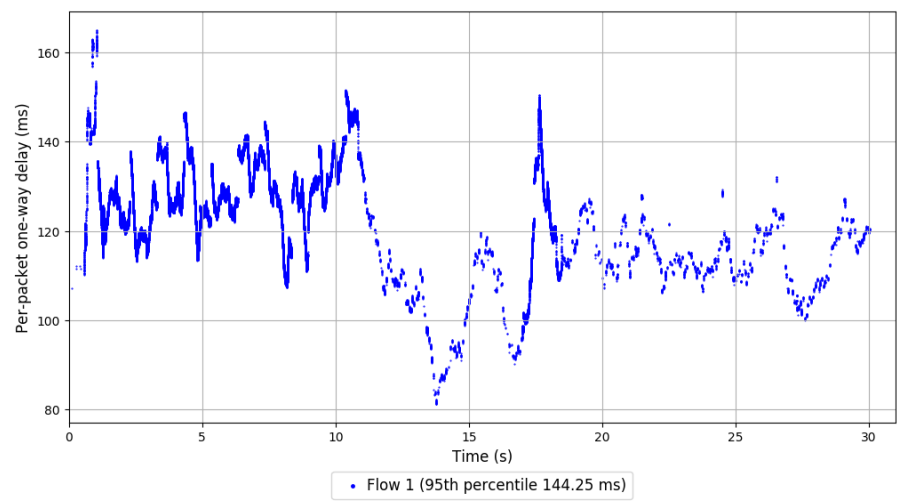
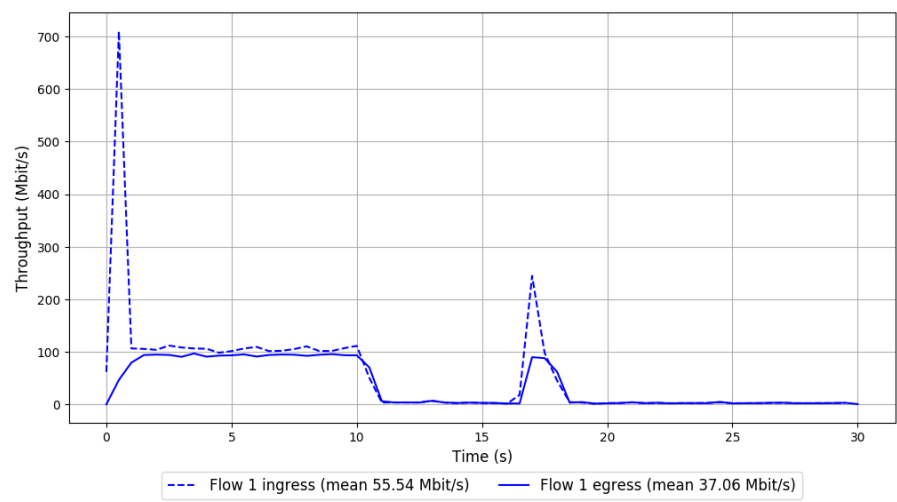


Run 1: Statistics of FillP

Start at: 2018-03-27 04:35:19
End at: 2018-03-27 04:35:49
Local clock offset: 12.179 ms
Remote clock offset: -57.957 ms

Below is generated by plot.py at 2018-03-27 08:38:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.06 Mbit/s
95th percentile per-packet one-way delay: 144.254 ms
Loss rate: 33.24%
-- Flow 1:
Average throughput: 37.06 Mbit/s
95th percentile per-packet one-way delay: 144.254 ms
Loss rate: 33.24%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-03-27 04:57:08

End at: 2018-03-27 04:57:38

Local clock offset: 3.51 ms

Remote clock offset: 5.871 ms

Below is generated by plot.py at 2018-03-27 08:38:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.31 Mbit/s

95th percentile per-packet one-way delay: 131.034 ms

Loss rate: 29.27%

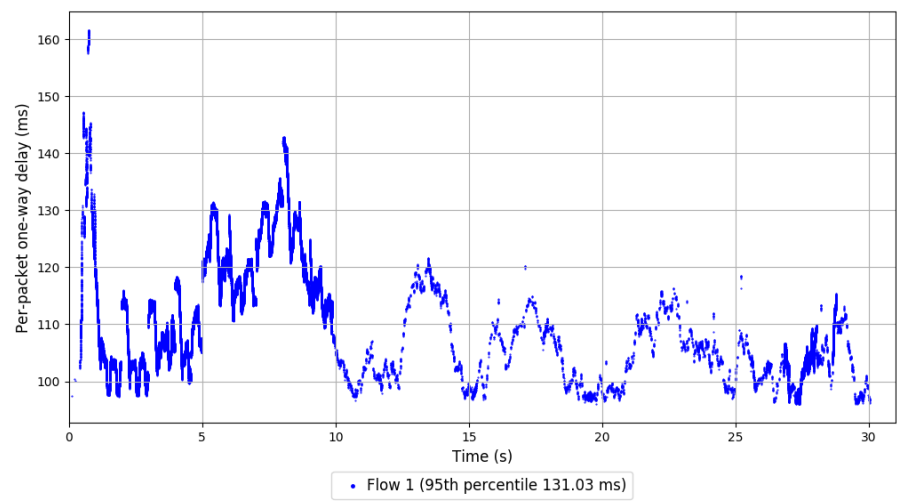
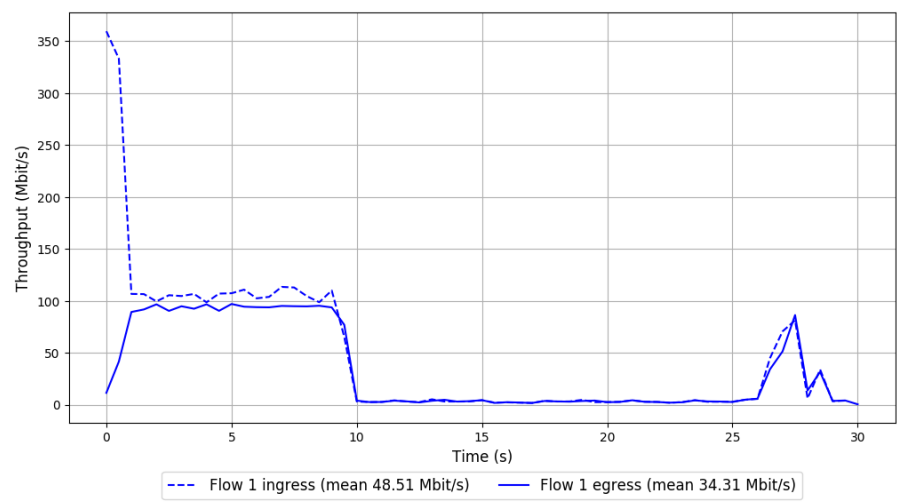
-- Flow 1:

Average throughput: 34.31 Mbit/s

95th percentile per-packet one-way delay: 131.034 ms

Loss rate: 29.27%

Run 2: Report of FillP — Data Link

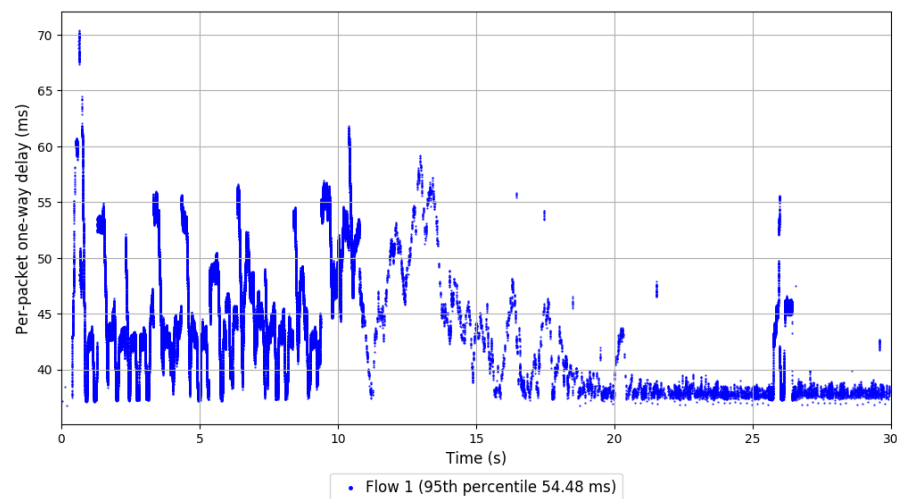
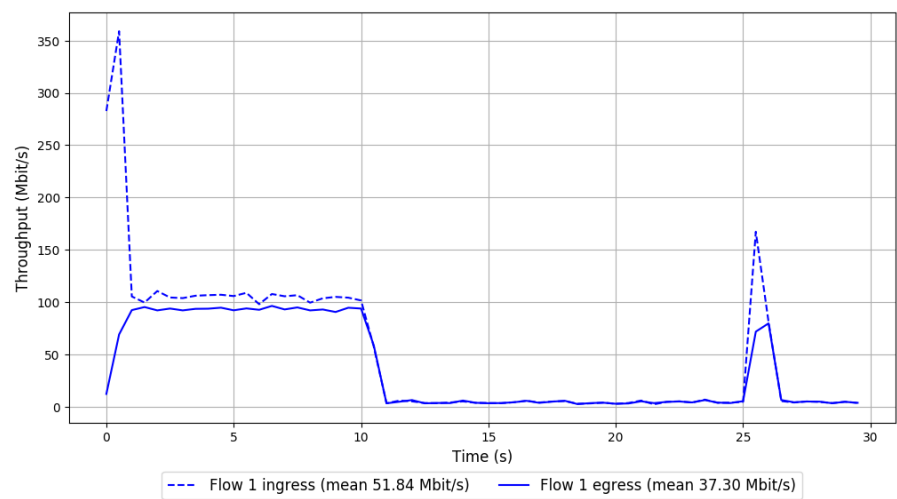


Run 3: Statistics of FillP

Start at: 2018-03-27 05:19:20
End at: 2018-03-27 05:19:50
Local clock offset: -1.562 ms
Remote clock offset: -26.335 ms

Below is generated by plot.py at 2018-03-27 08:38:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.30 Mbit/s
95th percentile per-packet one-way delay: 54.485 ms
Loss rate: 28.05%
-- Flow 1:
Average throughput: 37.30 Mbit/s
95th percentile per-packet one-way delay: 54.485 ms
Loss rate: 28.05%

Run 3: Report of FillP — Data Link

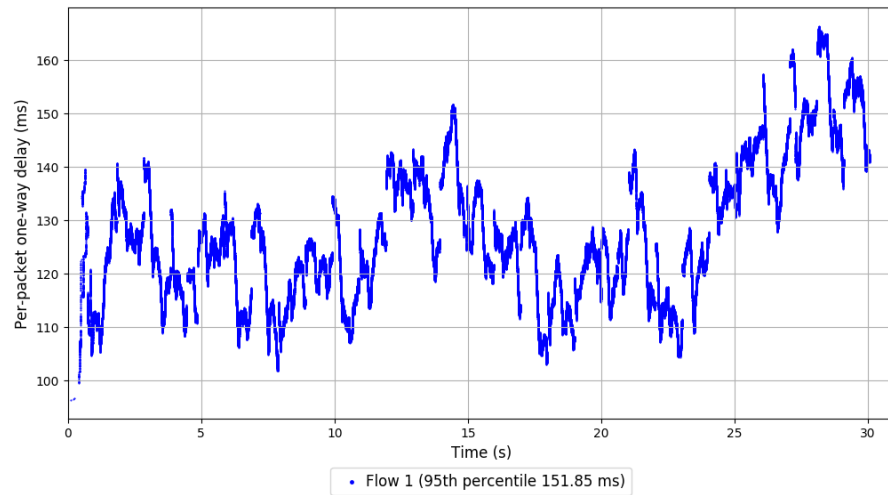
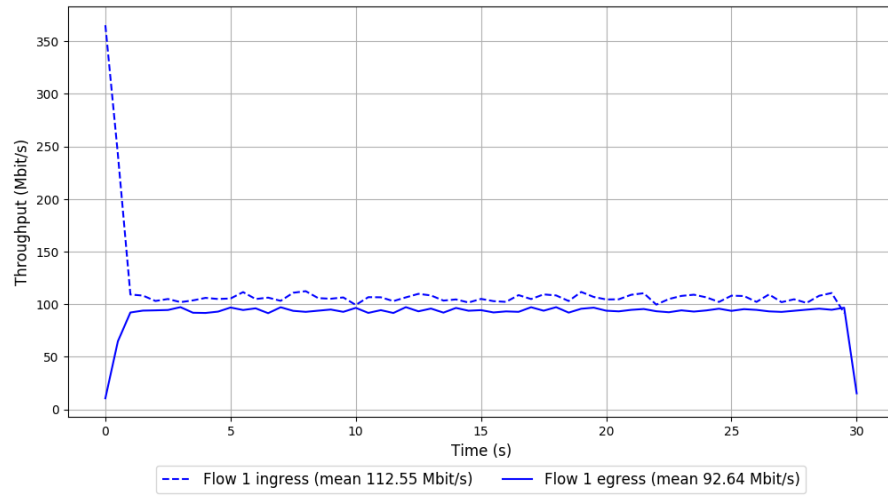


Run 4: Statistics of FillP

Start at: 2018-03-27 05:41:22
End at: 2018-03-27 05:41:52
Local clock offset: 5.284 ms
Remote clock offset: 29.072 ms

Below is generated by plot.py at 2018-03-27 08:38:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.64 Mbit/s
95th percentile per-packet one-way delay: 151.850 ms
Loss rate: 17.56%
-- Flow 1:
Average throughput: 92.64 Mbit/s
95th percentile per-packet one-way delay: 151.850 ms
Loss rate: 17.56%

Run 4: Report of FillP — Data Link

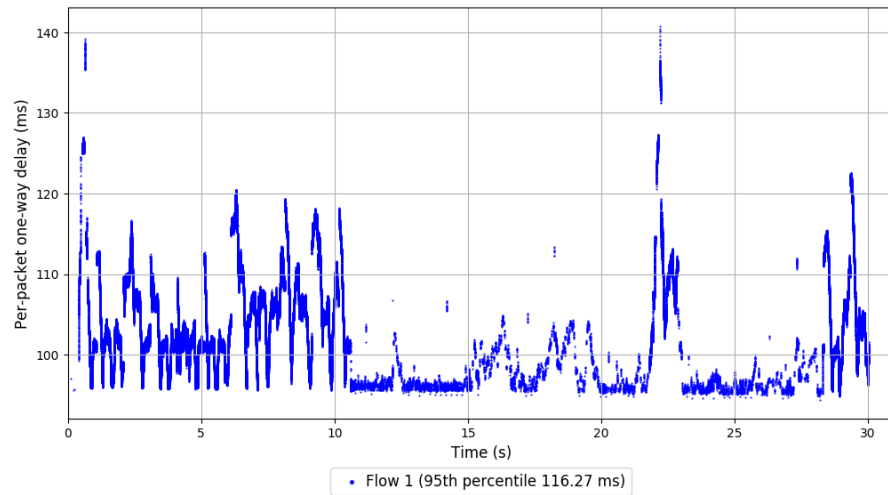
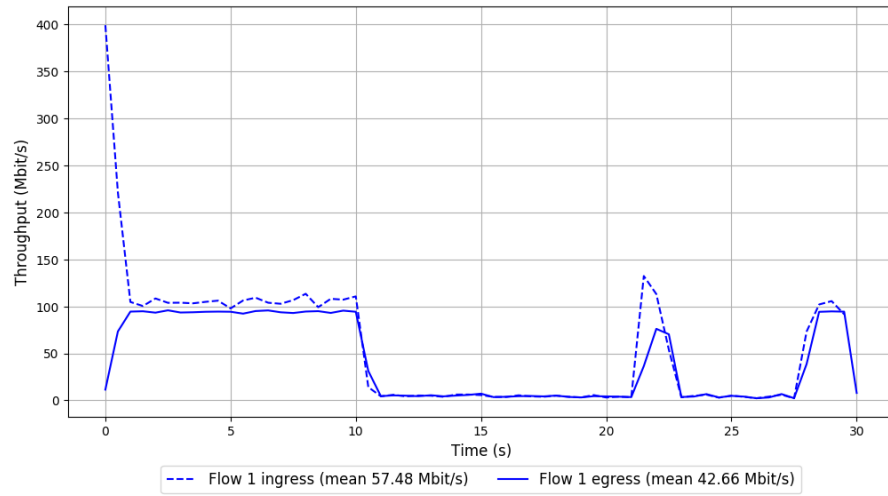


Run 5: Statistics of FillP

Start at: 2018-03-27 06:03:41
End at: 2018-03-27 06:04:11
Local clock offset: 4.687 ms
Remote clock offset: 34.049 ms

Below is generated by plot.py at 2018-03-27 08:38:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 42.66 Mbit/s
95th percentile per-packet one-way delay: 116.266 ms
Loss rate: 25.78%
-- Flow 1:
Average throughput: 42.66 Mbit/s
95th percentile per-packet one-way delay: 116.266 ms
Loss rate: 25.78%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-03-27 06:26:03

End at: 2018-03-27 06:26:33

Local clock offset: 3.769 ms

Remote clock offset: 4.502 ms

Below is generated by plot.py at 2018-03-27 08:38:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.74 Mbit/s

95th percentile per-packet one-way delay: 56.441 ms

Loss rate: 18.51%

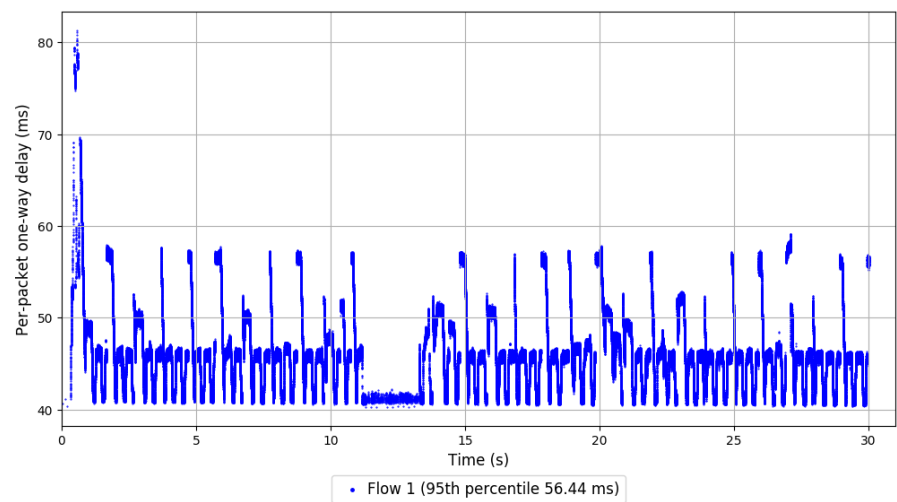
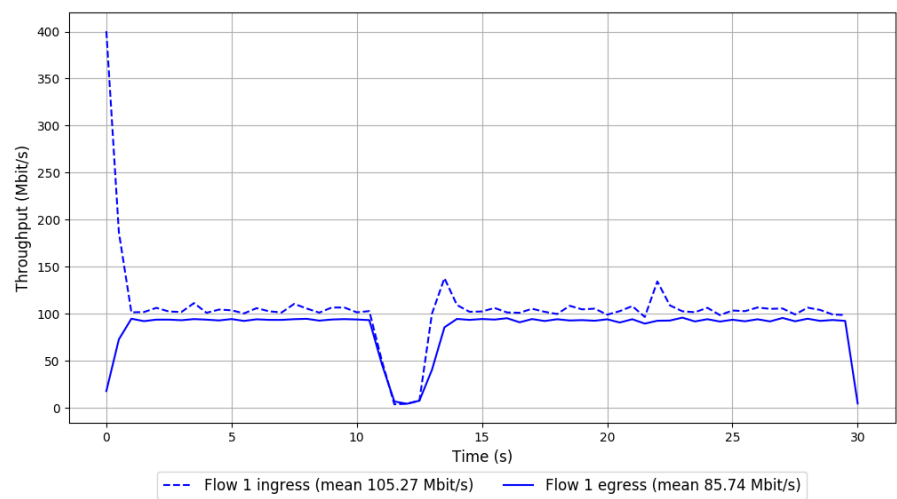
-- Flow 1:

Average throughput: 85.74 Mbit/s

95th percentile per-packet one-way delay: 56.441 ms

Loss rate: 18.51%

Run 6: Report of FillP — Data Link

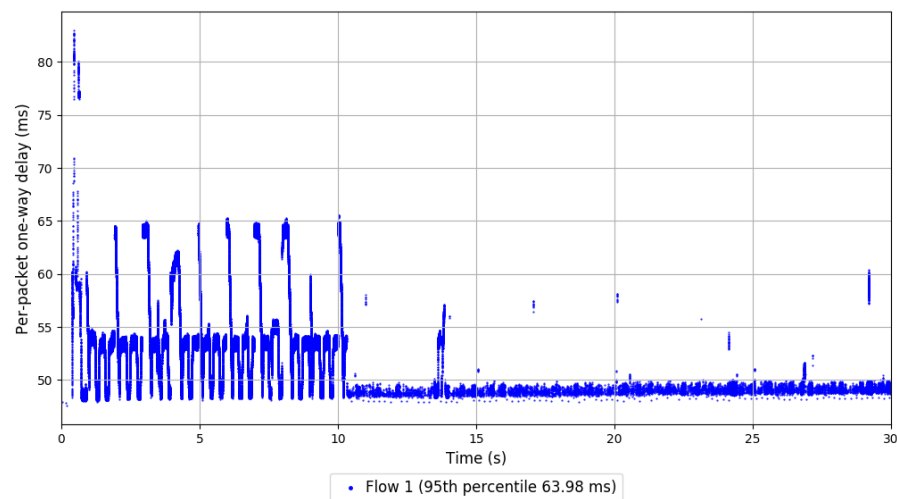
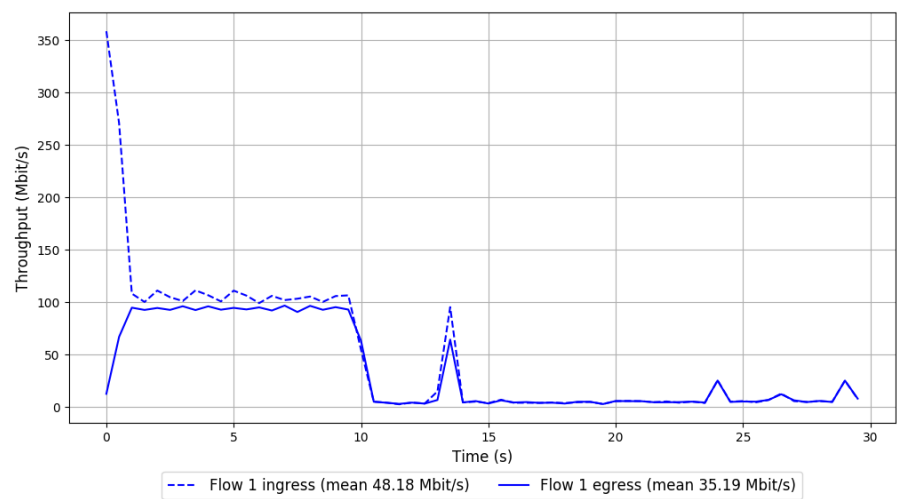


Run 7: Statistics of FillP

Start at: 2018-03-27 06:49:20
End at: 2018-03-27 06:49:50
Local clock offset: 10.114 ms
Remote clock offset: -16.601 ms

Below is generated by plot.py at 2018-03-27 08:38:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.19 Mbit/s
95th percentile per-packet one-way delay: 63.981 ms
Loss rate: 26.96%
-- Flow 1:
Average throughput: 35.19 Mbit/s
95th percentile per-packet one-way delay: 63.981 ms
Loss rate: 26.96%

Run 7: Report of FillP — Data Link

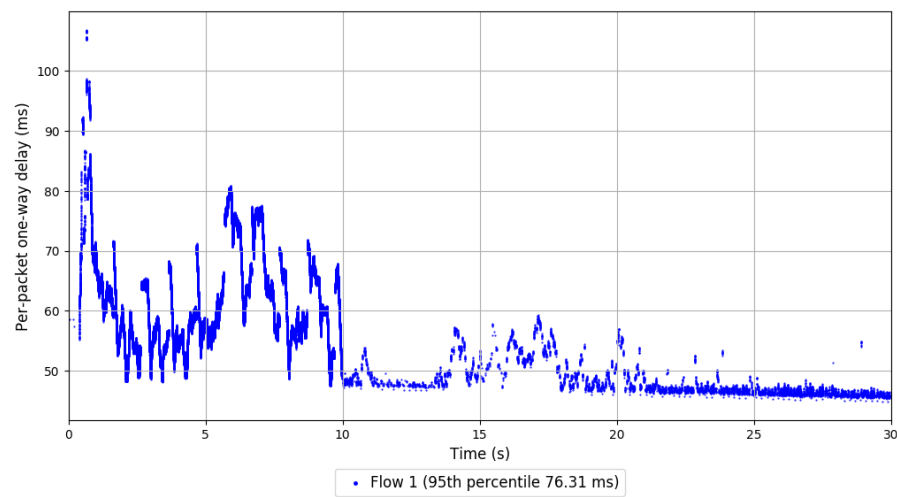
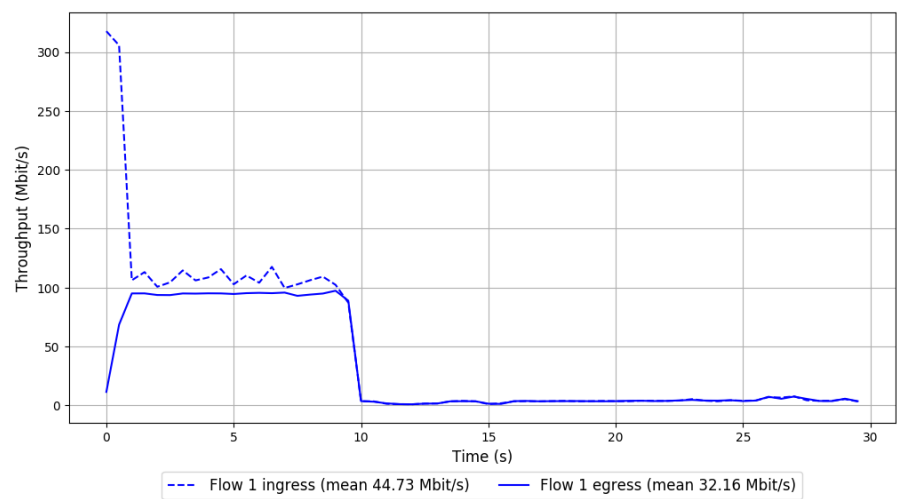


Run 8: Statistics of FillP

Start at: 2018-03-27 07:11:24
End at: 2018-03-27 07:11:54
Local clock offset: 6.324 ms
Remote clock offset: -17.151 ms

Below is generated by plot.py at 2018-03-27 08:38:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.16 Mbit/s
95th percentile per-packet one-way delay: 76.306 ms
Loss rate: 28.14%
-- Flow 1:
Average throughput: 32.16 Mbit/s
95th percentile per-packet one-way delay: 76.306 ms
Loss rate: 28.14%

Run 8: Report of FillP — Data Link

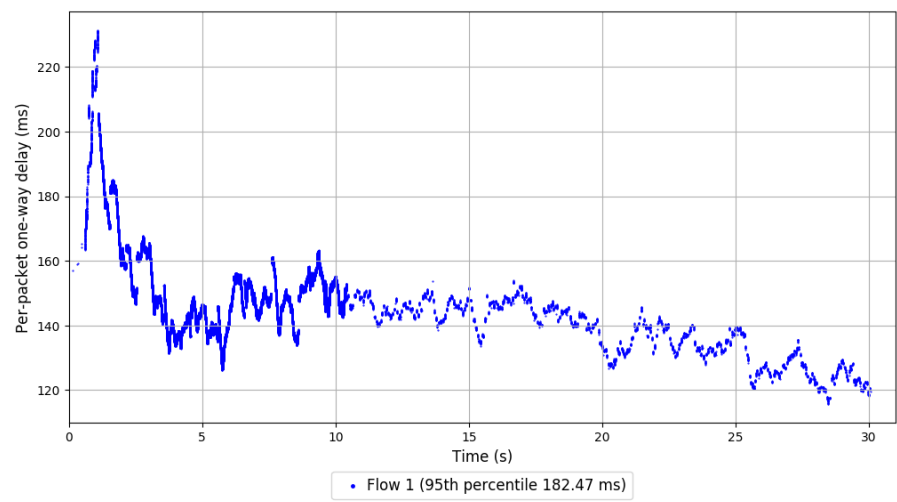
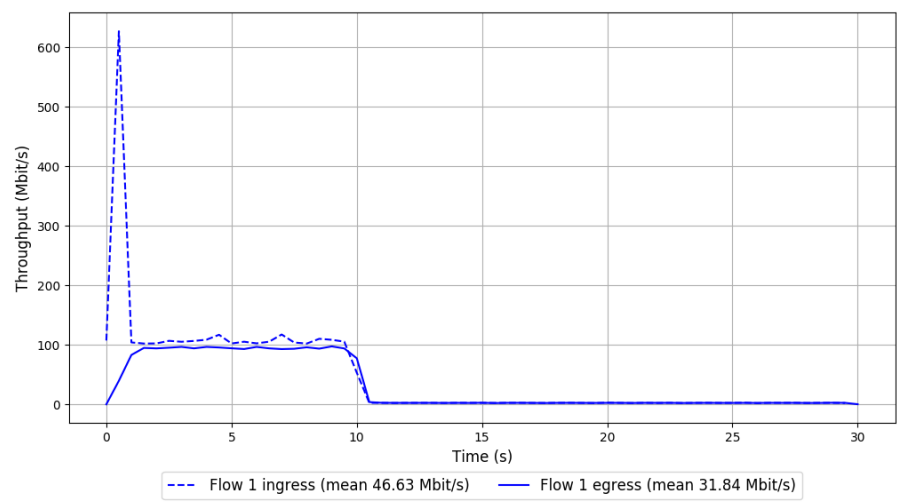


Run 9: Statistics of FillP

Start at: 2018-03-27 07:33:11
End at: 2018-03-27 07:33:41
Local clock offset: 3.719 ms
Remote clock offset: 94.423 ms

Below is generated by plot.py at 2018-03-27 08:38:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 31.84 Mbit/s
95th percentile per-packet one-way delay: 182.470 ms
Loss rate: 31.80%
-- Flow 1:
Average throughput: 31.84 Mbit/s
95th percentile per-packet one-way delay: 182.470 ms
Loss rate: 31.80%

Run 9: Report of FillP — Data Link

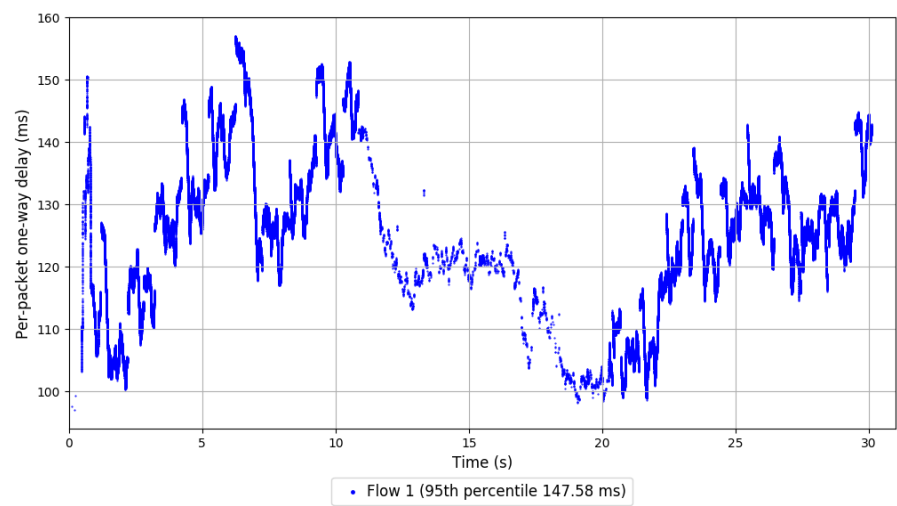
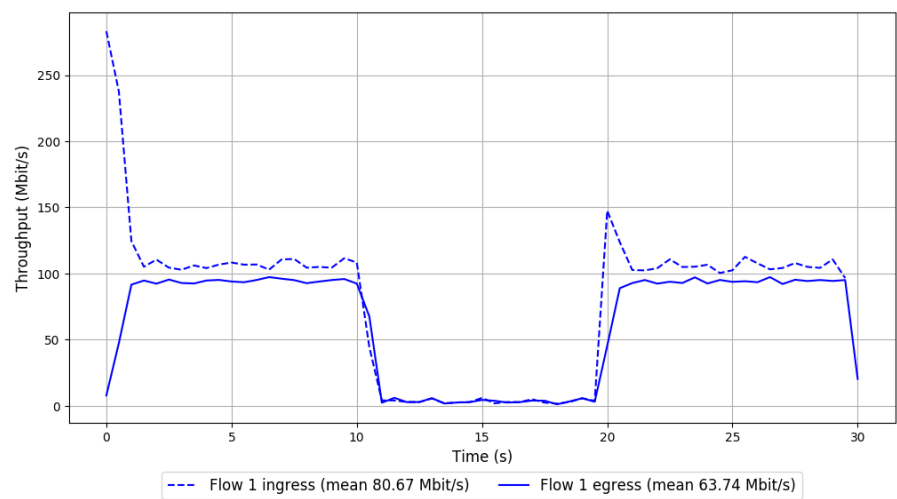


Run 10: Statistics of FillP

Start at: 2018-03-27 07:55:00
End at: 2018-03-27 07:55:30
Local clock offset: 6.078 ms
Remote clock offset: 56.558 ms

Below is generated by plot.py at 2018-03-27 08:38:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.74 Mbit/s
95th percentile per-packet one-way delay: 147.578 ms
Loss rate: 20.87%
-- Flow 1:
Average throughput: 63.74 Mbit/s
95th percentile per-packet one-way delay: 147.578 ms
Loss rate: 20.87%

Run 10: Report of FillP — Data Link



Run 1: Statistics of Indigo-1-32

Start at: 2018-03-27 04:26:56

End at: 2018-03-27 04:27:26

Local clock offset: 8.984 ms

Remote clock offset: -31.149 ms

Below is generated by plot.py at 2018-03-27 08:38:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.50 Mbit/s

95th percentile per-packet one-way delay: 86.638 ms

Loss rate: 2.37%

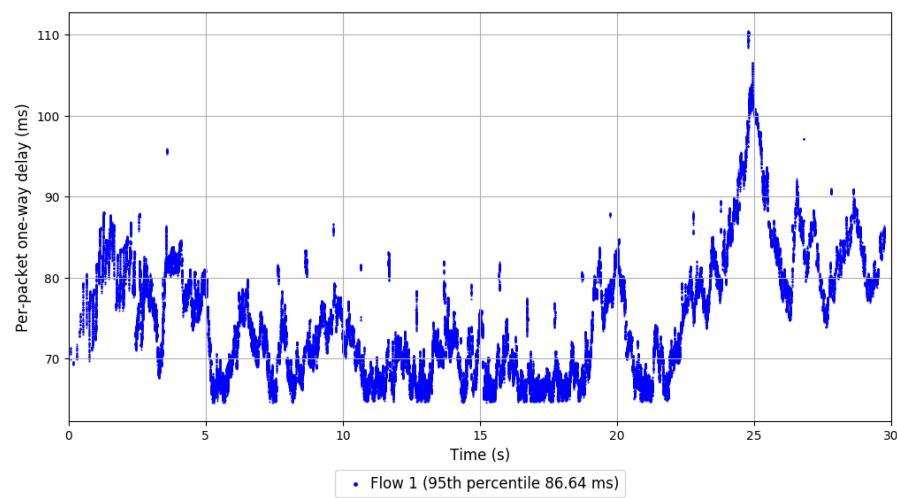
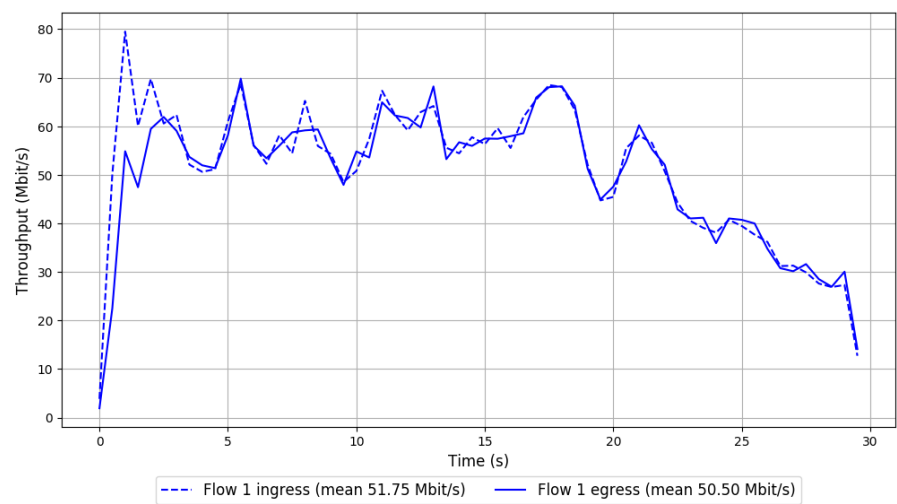
-- Flow 1:

Average throughput: 50.50 Mbit/s

95th percentile per-packet one-way delay: 86.638 ms

Loss rate: 2.37%

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



Run 2: Statistics of Indigo-1-32

Start at: 2018-03-27 04:48:48

End at: 2018-03-27 04:49:18

Local clock offset: 9.766 ms

Remote clock offset: -7.001 ms

Below is generated by plot.py at 2018-03-27 08:38:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.43 Mbit/s

95th percentile per-packet one-way delay: 147.472 ms

Loss rate: 1.83%

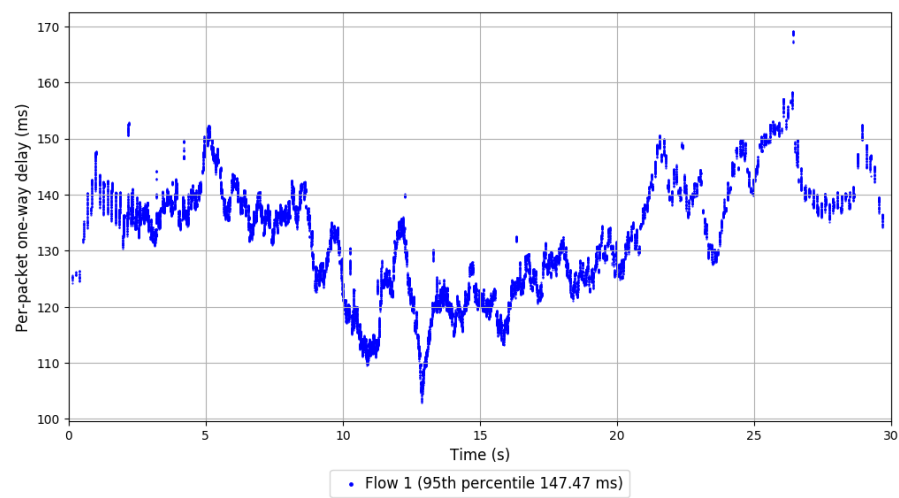
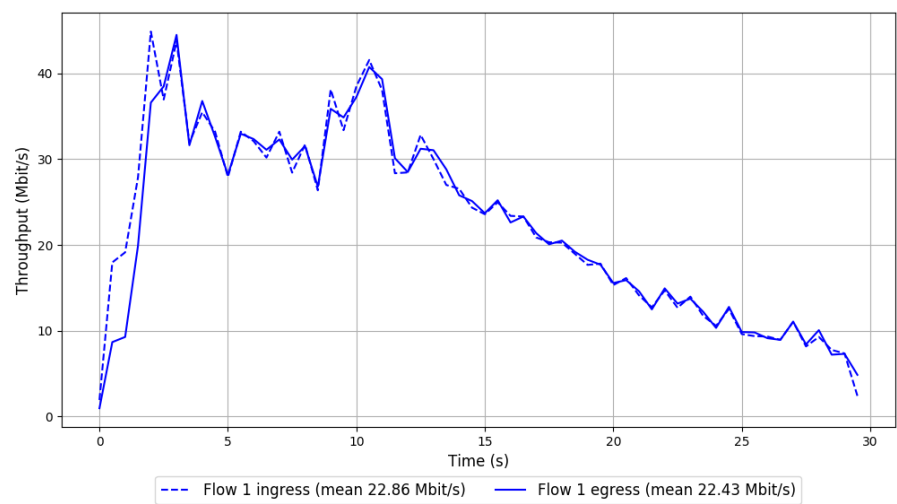
-- Flow 1:

Average throughput: 22.43 Mbit/s

95th percentile per-packet one-way delay: 147.472 ms

Loss rate: 1.83%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-03-27 05:10:39

End at: 2018-03-27 05:11:09

Local clock offset: -0.647 ms

Remote clock offset: -33.988 ms

Below is generated by plot.py at 2018-03-27 08:38:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.36 Mbit/s

95th percentile per-packet one-way delay: 48.497 ms

Loss rate: 8.69%

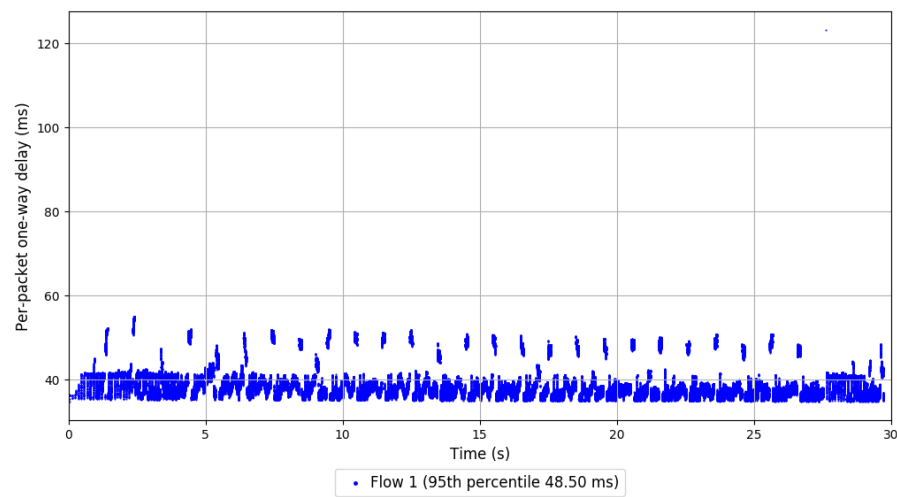
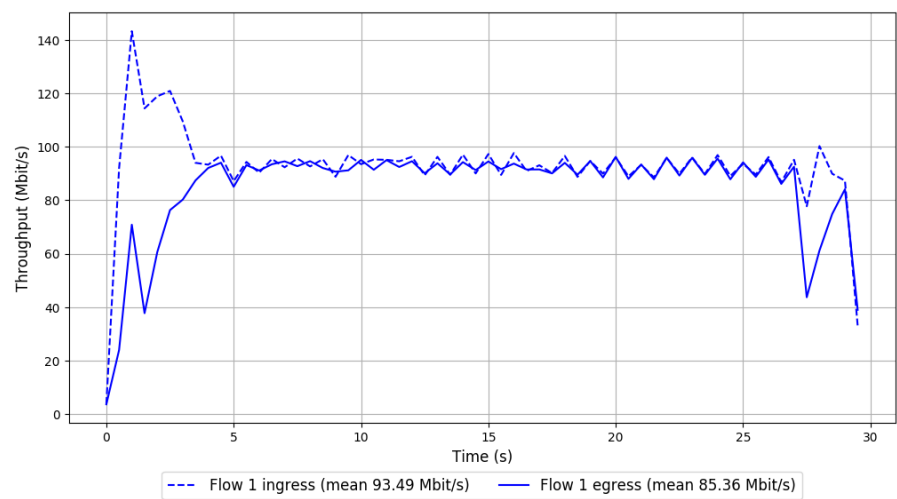
-- Flow 1:

Average throughput: 85.36 Mbit/s

95th percentile per-packet one-way delay: 48.497 ms

Loss rate: 8.69%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-03-27 05:32:51

End at: 2018-03-27 05:33:21

Local clock offset: 4.464 ms

Remote clock offset: -27.237 ms

Below is generated by plot.py at 2018-03-27 08:38:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.84 Mbit/s

95th percentile per-packet one-way delay: 52.303 ms

Loss rate: 8.21%

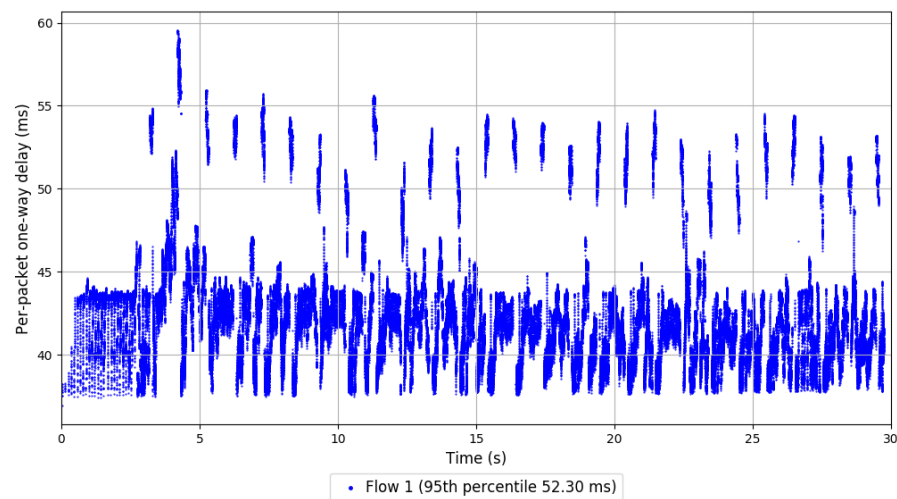
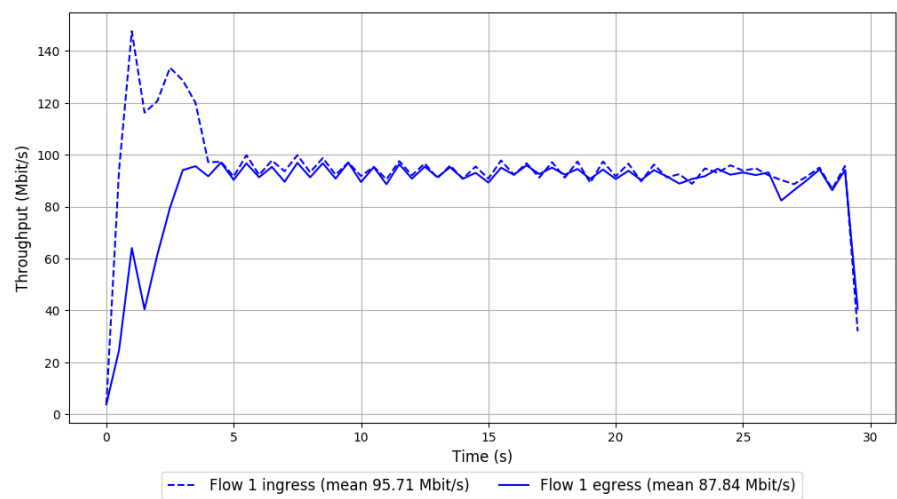
-- Flow 1:

Average throughput: 87.84 Mbit/s

95th percentile per-packet one-way delay: 52.303 ms

Loss rate: 8.21%

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

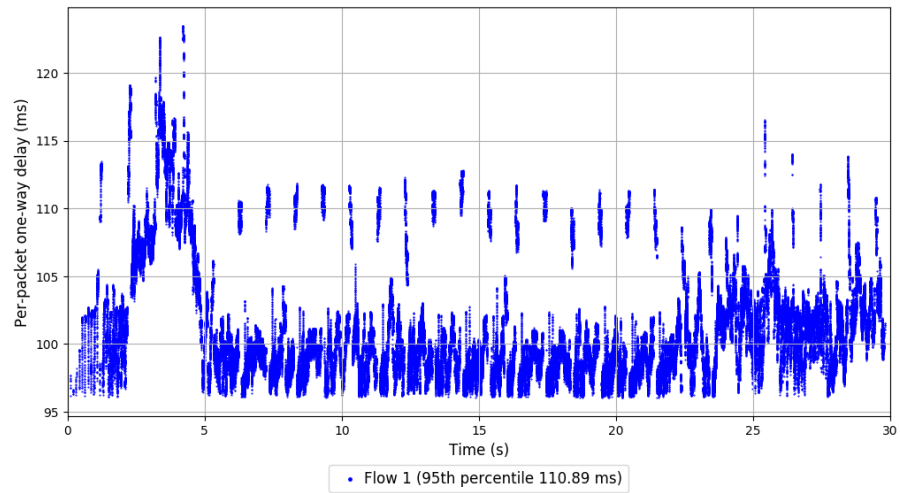
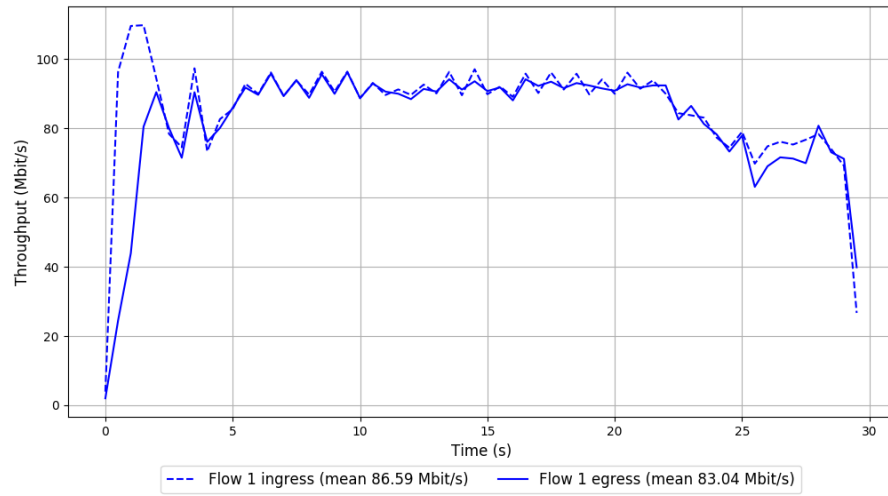


Run 5: Statistics of Indigo-1-32

Start at: 2018-03-27 05:55:19
End at: 2018-03-27 05:55:49
Local clock offset: 5.801 ms
Remote clock offset: 28.951 ms

Below is generated by plot.py at 2018-03-27 08:38:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.04 Mbit/s
95th percentile per-packet one-way delay: 110.891 ms
Loss rate: 4.09%
-- Flow 1:
Average throughput: 83.04 Mbit/s
95th percentile per-packet one-way delay: 110.891 ms
Loss rate: 4.09%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-03-27 06:17:20

End at: 2018-03-27 06:17:50

Local clock offset: 3.779 ms

Remote clock offset: 53.385 ms

Below is generated by plot.py at 2018-03-27 08:38:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.99 Mbit/s

95th percentile per-packet one-way delay: 109.364 ms

Loss rate: 4.63%

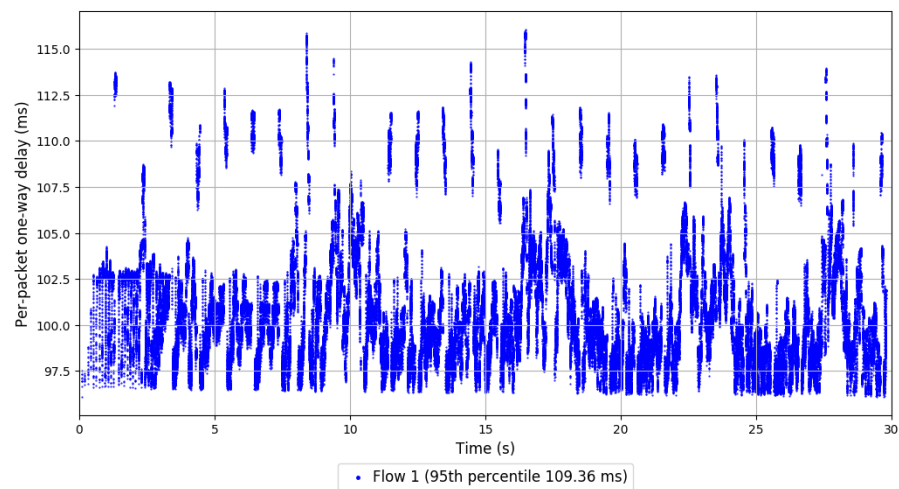
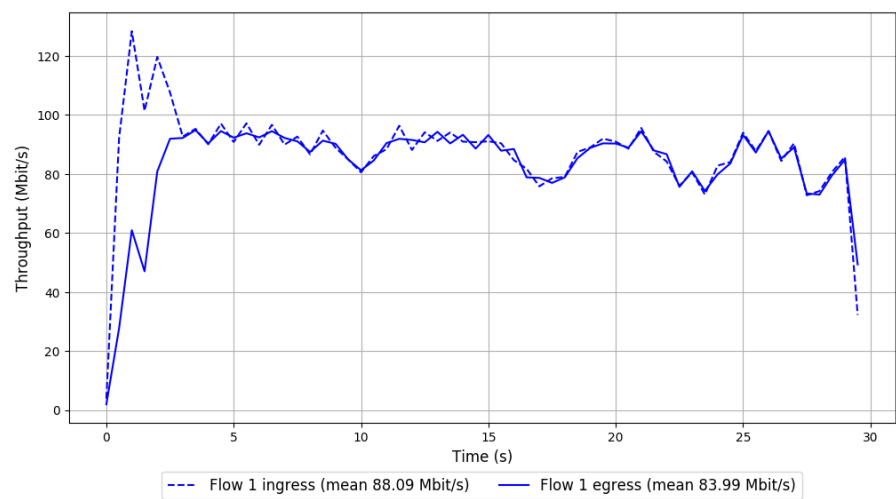
-- Flow 1:

Average throughput: 83.99 Mbit/s

95th percentile per-packet one-way delay: 109.364 ms

Loss rate: 4.63%

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

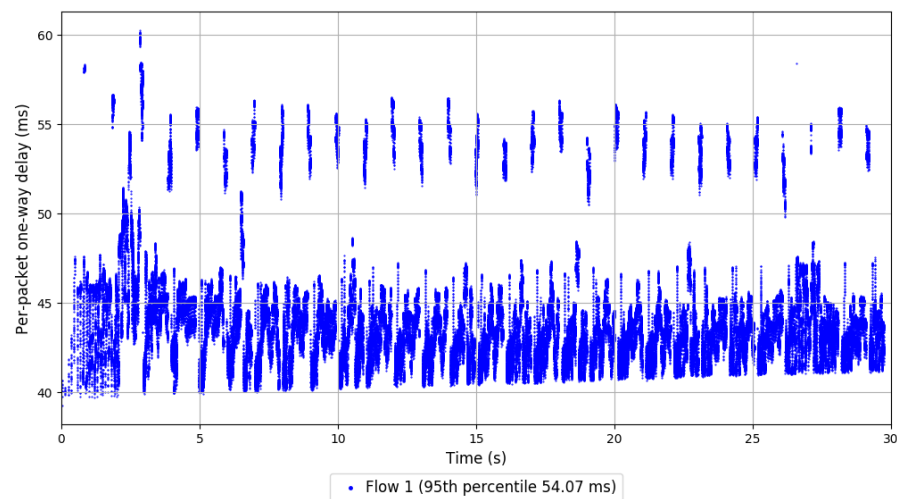
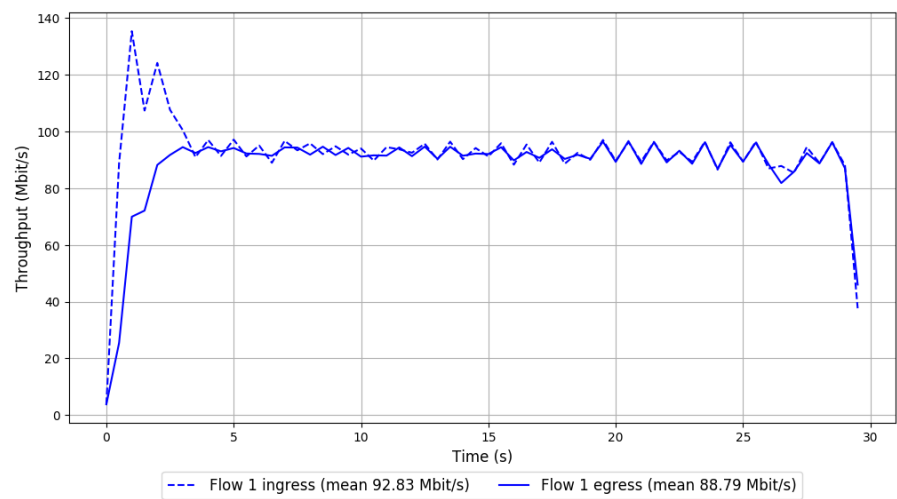


Run 7: Statistics of Indigo-1-32

Start at: 2018-03-27 06:40:35
End at: 2018-03-27 06:41:05
Local clock offset: 8.846 ms
Remote clock offset: -8.723 ms

Below is generated by plot.py at 2018-03-27 08:38:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.79 Mbit/s
95th percentile per-packet one-way delay: 54.074 ms
Loss rate: 4.34%
-- Flow 1:
Average throughput: 88.79 Mbit/s
95th percentile per-packet one-way delay: 54.074 ms
Loss rate: 4.34%

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

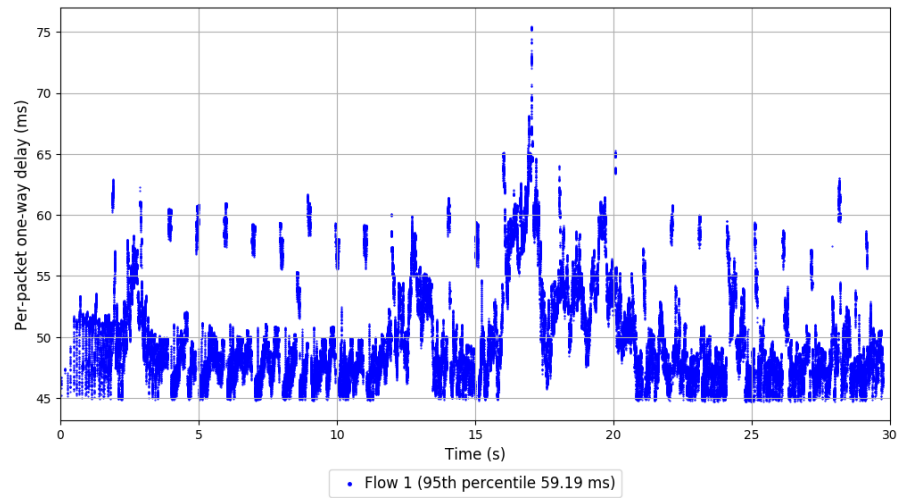
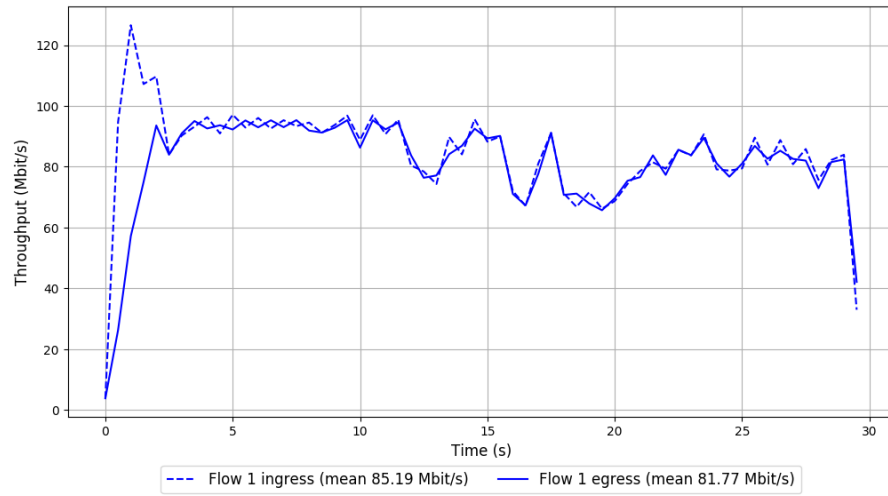


Run 8: Statistics of Indigo-1-32

Start at: 2018-03-27 07:02:46
End at: 2018-03-27 07:03:17
Local clock offset: 10.341 ms
Remote clock offset: -27.57 ms

Below is generated by plot.py at 2018-03-27 08:38:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.77 Mbit/s
95th percentile per-packet one-way delay: 59.193 ms
Loss rate: 4.01%
-- Flow 1:
Average throughput: 81.77 Mbit/s
95th percentile per-packet one-way delay: 59.193 ms
Loss rate: 4.01%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-03-27 07:24:53

End at: 2018-03-27 07:25:23

Local clock offset: 4.405 ms

Remote clock offset: 33.62 ms

Below is generated by plot.py at 2018-03-27 08:38:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.89 Mbit/s

95th percentile per-packet one-way delay: 83.351 ms

Loss rate: 0.42%

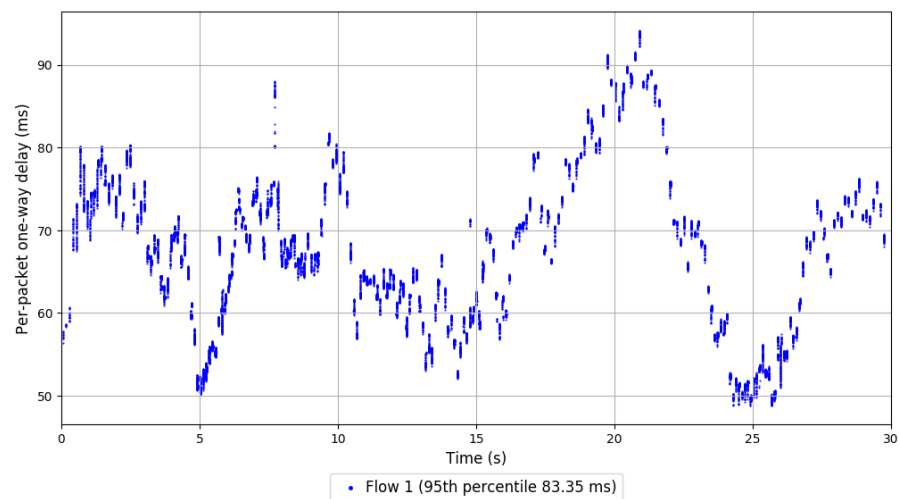
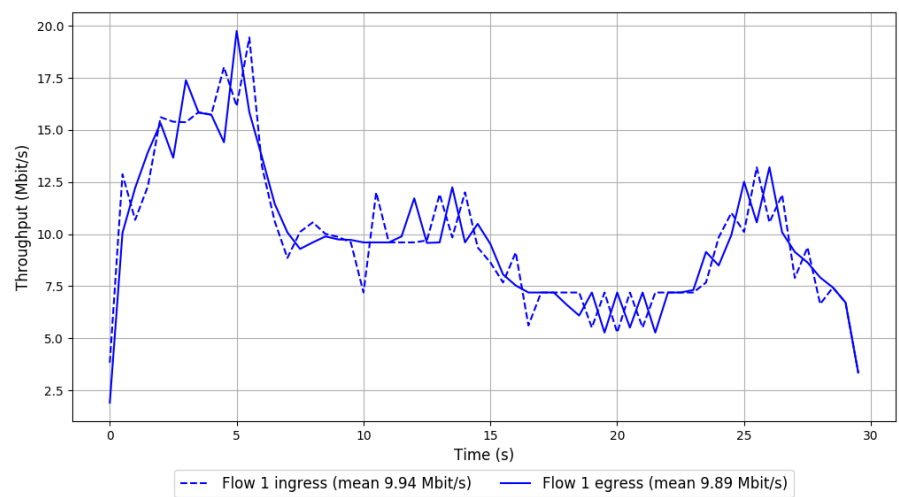
-- Flow 1:

Average throughput: 9.89 Mbit/s

95th percentile per-packet one-way delay: 83.351 ms

Loss rate: 0.42%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-03-27 07:46:40

End at: 2018-03-27 07:47:10

Local clock offset: 5.427 ms

Remote clock offset: 57.78 ms

Below is generated by plot.py at 2018-03-27 08:38:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.15 Mbit/s

95th percentile per-packet one-way delay: 116.313 ms

Loss rate: 6.66%

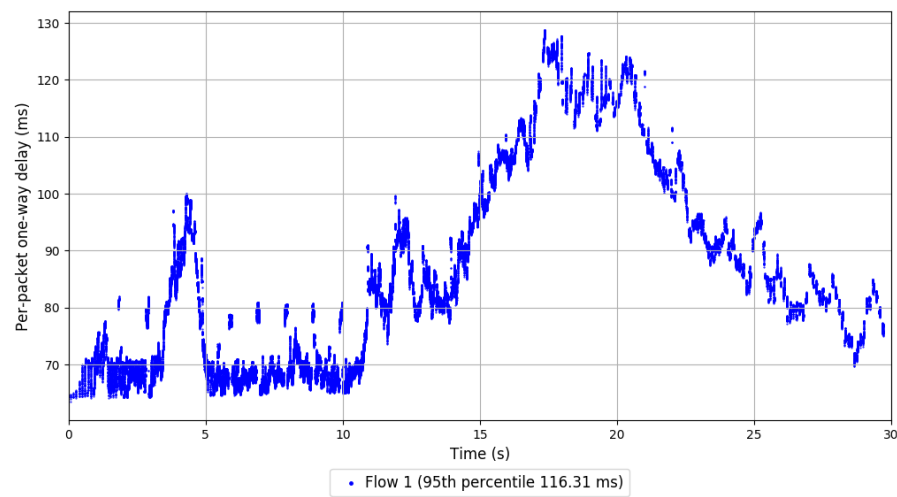
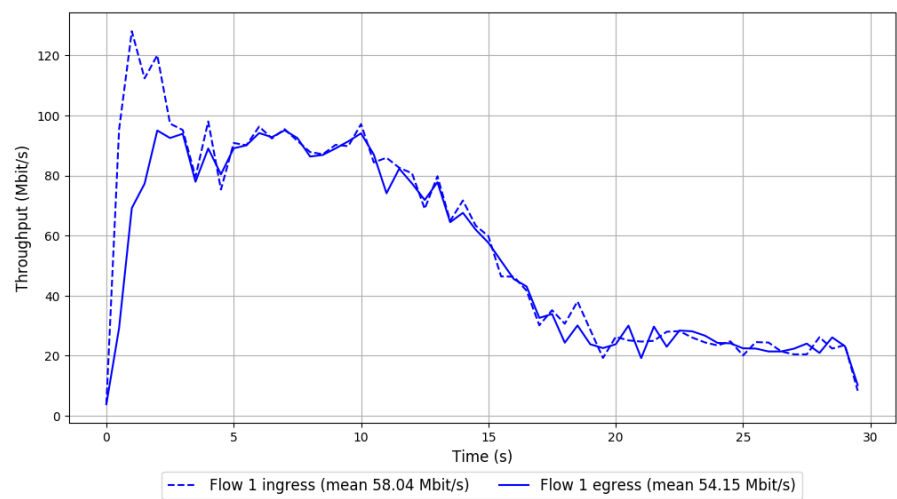
-- Flow 1:

Average throughput: 54.15 Mbit/s

95th percentile per-packet one-way delay: 116.313 ms

Loss rate: 6.66%

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

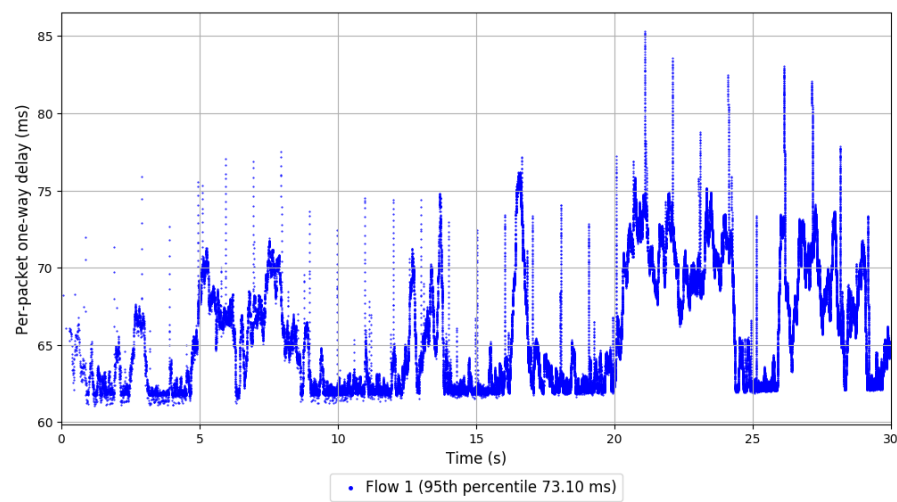
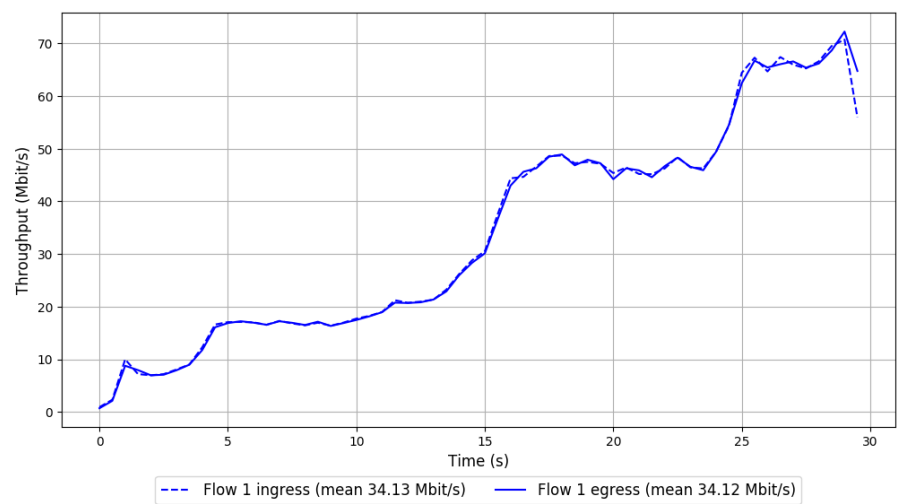


Run 1: Statistics of Vivace-latency

Start at: 2018-03-27 04:23:20
End at: 2018-03-27 04:23:50
Local clock offset: 7.199 ms
Remote clock offset: -32.563 ms

Below is generated by plot.py at 2018-03-27 08:38:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.12 Mbit/s
95th percentile per-packet one-way delay: 73.098 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 34.12 Mbit/s
95th percentile per-packet one-way delay: 73.098 ms
Loss rate: 0.02%

Run 1: Report of Vivace-latency — Data Link

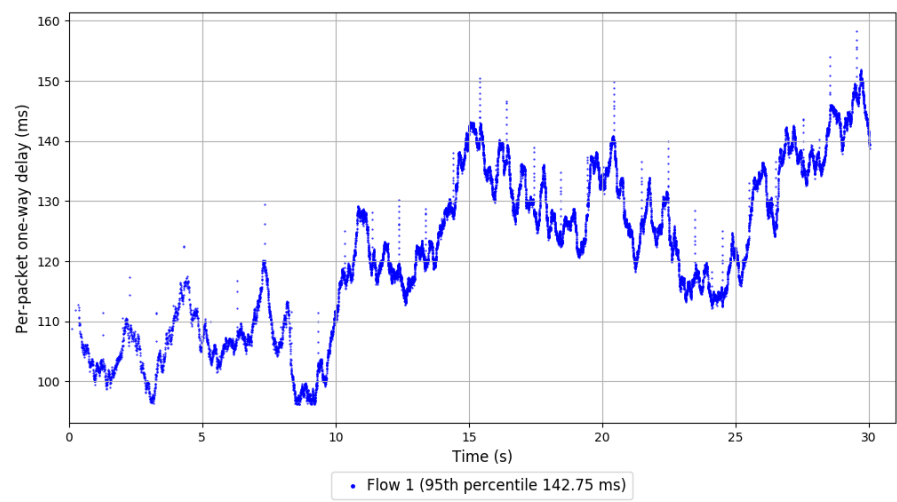
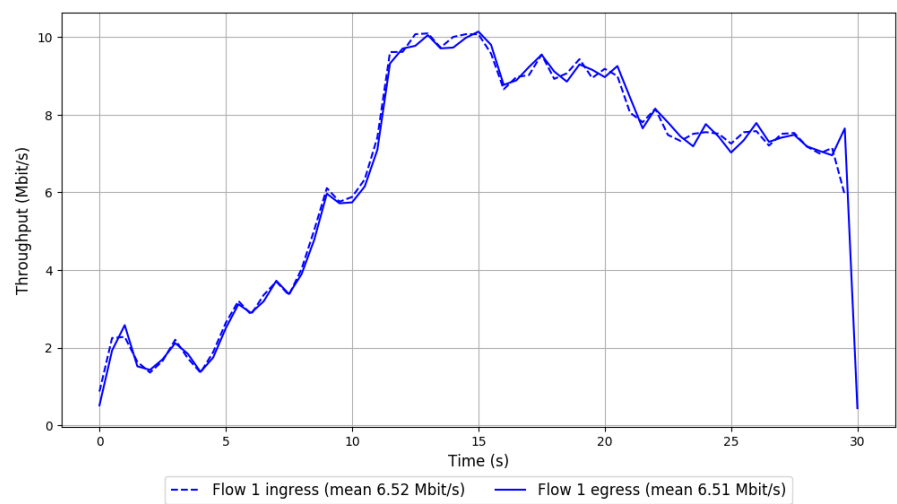


Run 2: Statistics of Vivace-latency

Start at: 2018-03-27 04:45:10
End at: 2018-03-27 04:45:40
Local clock offset: 14.296 ms
Remote clock offset: -5.047 ms

Below is generated by plot.py at 2018-03-27 08:38:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.51 Mbit/s
95th percentile per-packet one-way delay: 142.752 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 6.51 Mbit/s
95th percentile per-packet one-way delay: 142.752 ms
Loss rate: 0.02%

Run 2: Report of Vivace-latency — Data Link

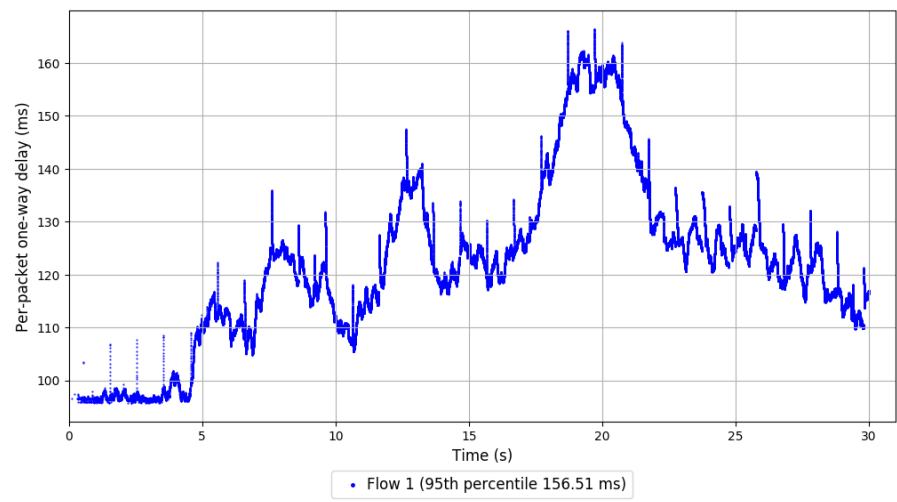
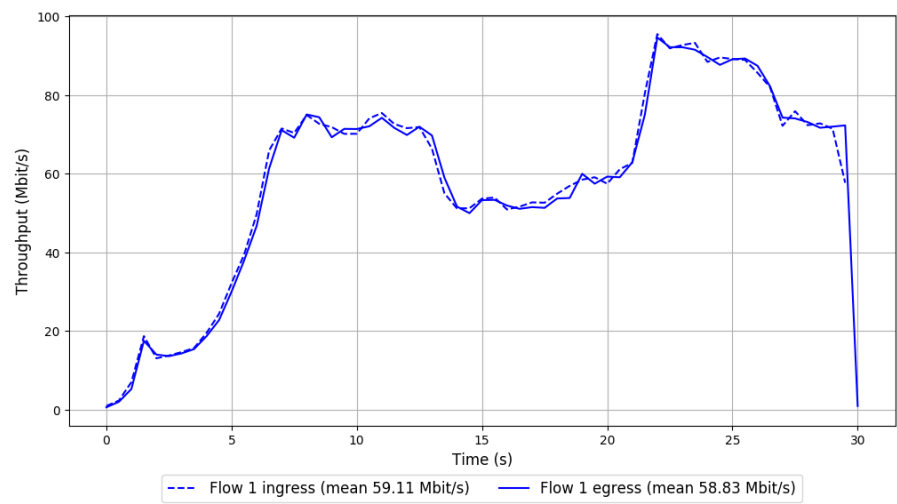


Run 3: Statistics of Vivace-latency

Start at: 2018-03-27 05:06:57
End at: 2018-03-27 05:07:27
Local clock offset: 0.218 ms
Remote clock offset: 23.534 ms

Below is generated by plot.py at 2018-03-27 08:38:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.83 Mbit/s
95th percentile per-packet one-way delay: 156.507 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 58.83 Mbit/s
95th percentile per-packet one-way delay: 156.507 ms
Loss rate: 0.41%

Run 3: Report of Vivace-latency — Data Link

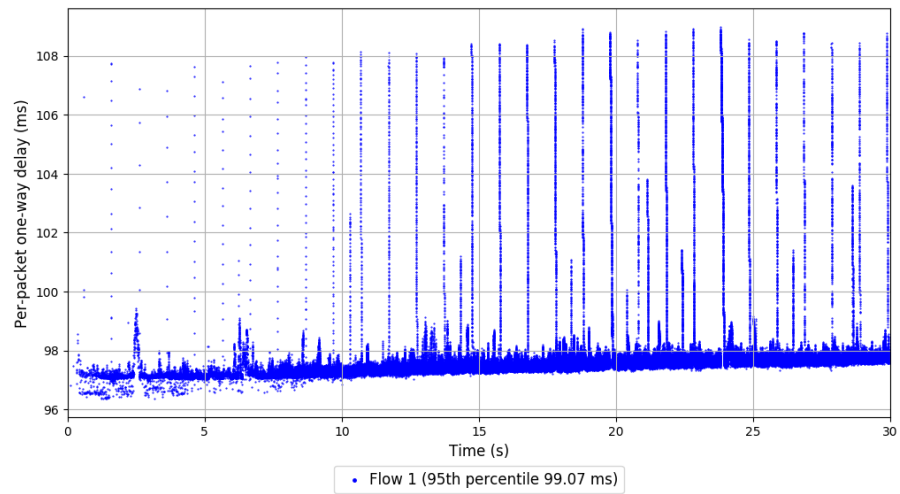
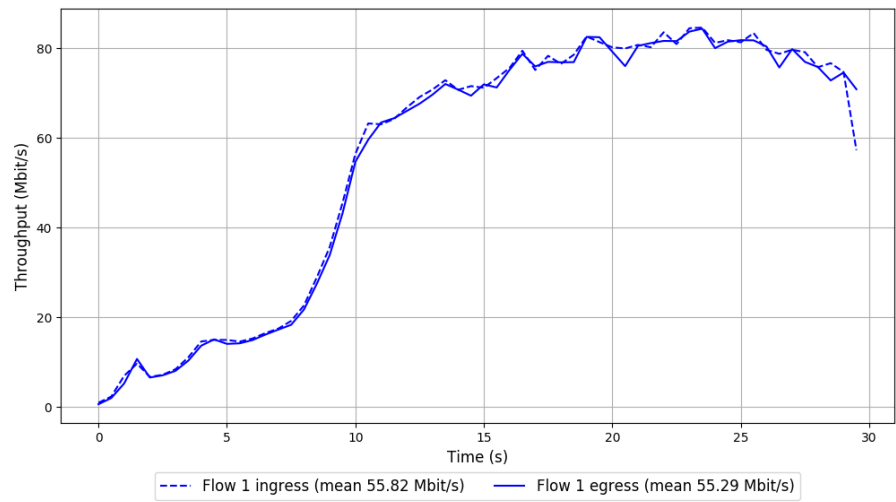


Run 4: Statistics of Vivace-latency

Start at: 2018-03-27 05:29:09
End at: 2018-03-27 05:29:39
Local clock offset: 3.422 ms
Remote clock offset: 35.271 ms

Below is generated by plot.py at 2018-03-27 08:38:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.29 Mbit/s
95th percentile per-packet one-way delay: 99.070 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 55.29 Mbit/s
95th percentile per-packet one-way delay: 99.070 ms
Loss rate: 0.94%

Run 4: Report of Vivace-latency — Data Link

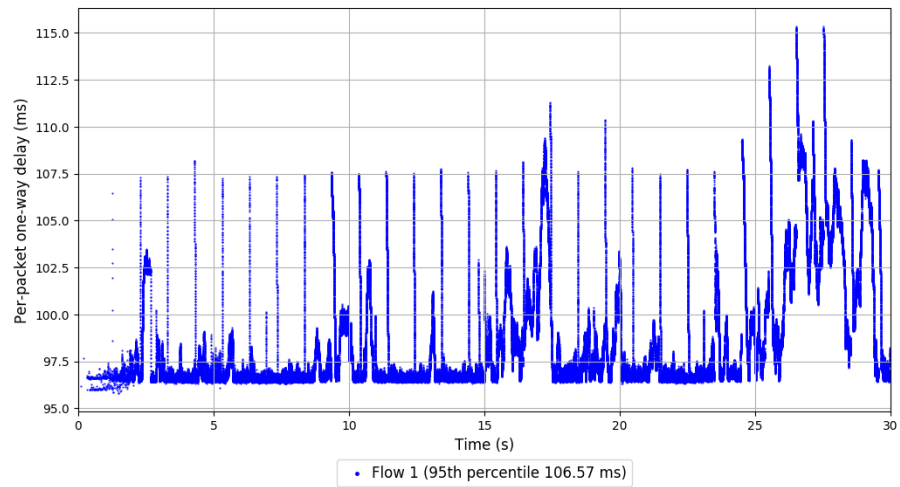
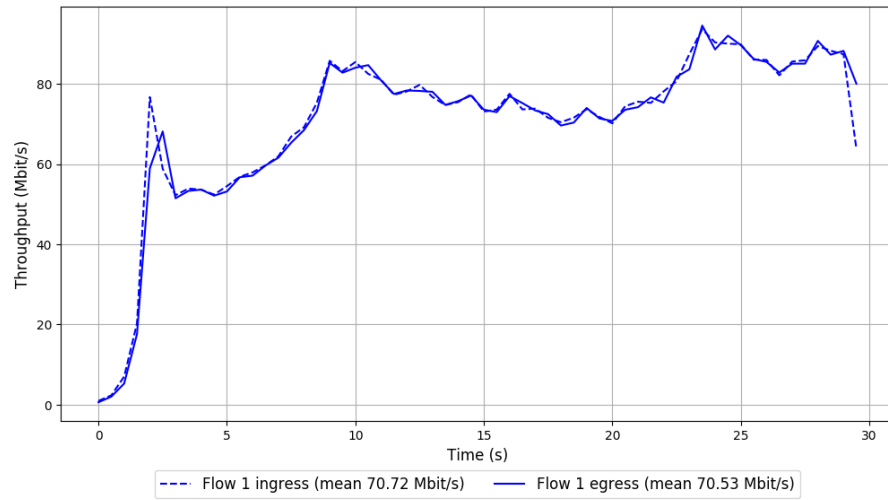


Run 5: Statistics of Vivace-latency

Start at: 2018-03-27 05:51:38
End at: 2018-03-27 05:52:08
Local clock offset: 6.112 ms
Remote clock offset: 28.747 ms

Below is generated by plot.py at 2018-03-27 08:38:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.53 Mbit/s
95th percentile per-packet one-way delay: 106.569 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 70.53 Mbit/s
95th percentile per-packet one-way delay: 106.569 ms
Loss rate: 0.27%

Run 5: Report of Vivace-latency — Data Link

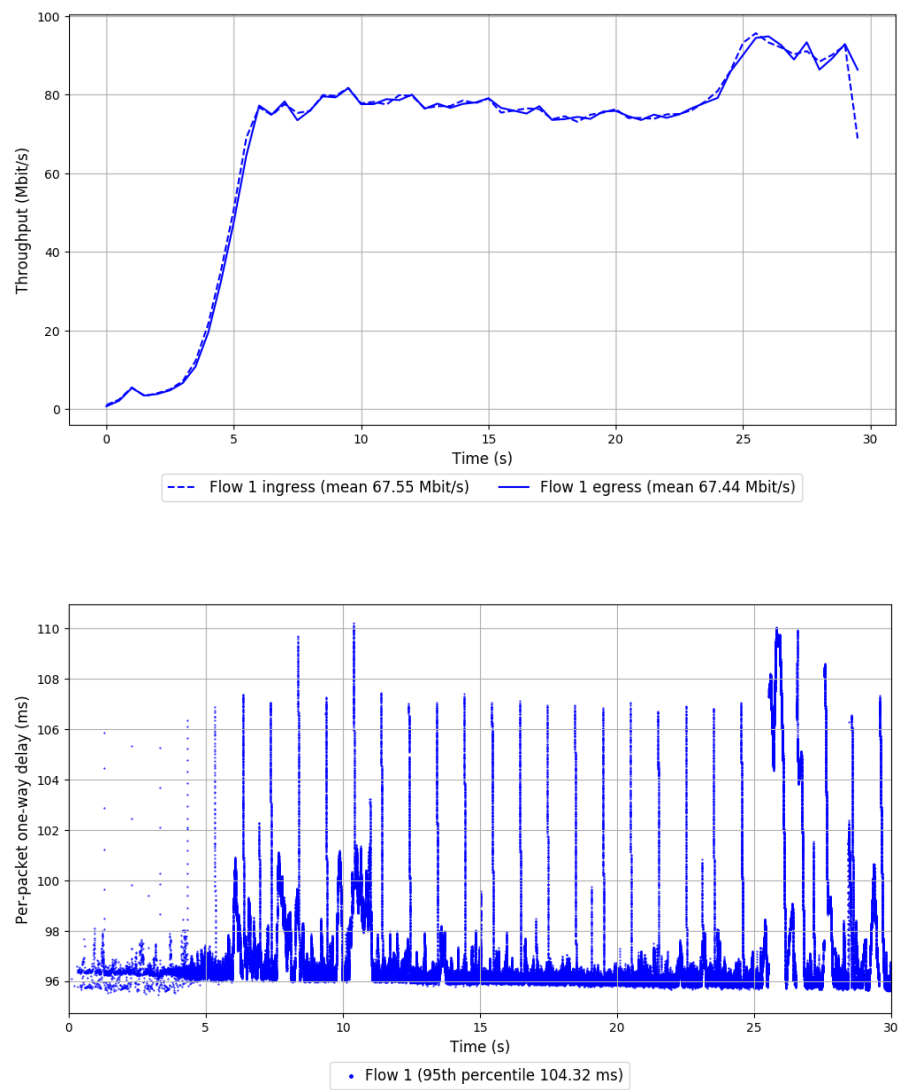


Run 6: Statistics of Vivace-latency

Start at: 2018-03-27 06:13:39
End at: 2018-03-27 06:14:09
Local clock offset: 4.061 ms
Remote clock offset: 49.584 ms

Below is generated by plot.py at 2018-03-27 08:38:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.44 Mbit/s
95th percentile per-packet one-way delay: 104.320 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 67.44 Mbit/s
95th percentile per-packet one-way delay: 104.320 ms
Loss rate: 0.15%

Run 6: Report of Vivace-latency — Data Link

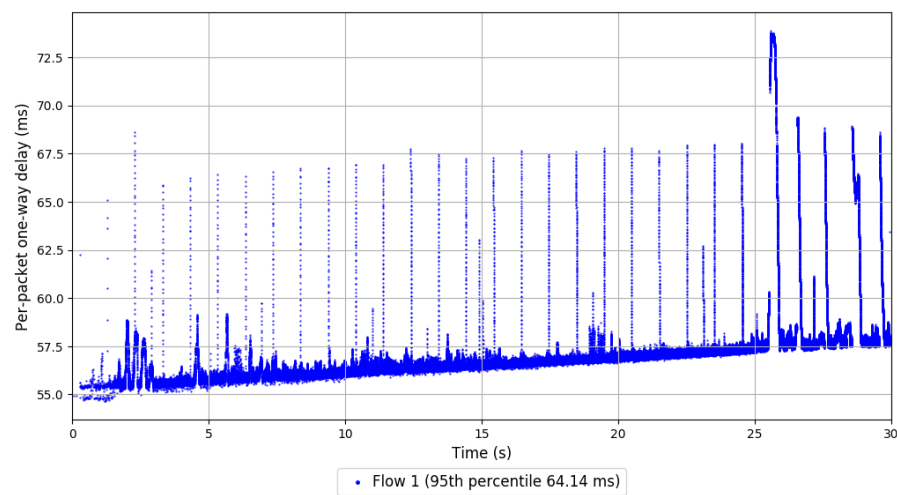
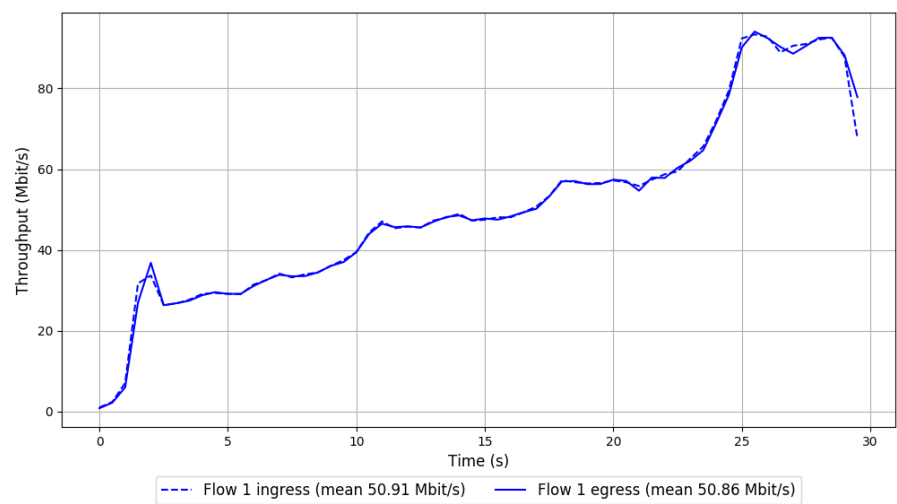


Run 7: Statistics of Vivace-latency

Start at: 2018-03-27 06:36:37
End at: 2018-03-27 06:37:07
Local clock offset: 7.631 ms
Remote clock offset: 21.126 ms

Below is generated by plot.py at 2018-03-27 08:38:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.86 Mbit/s
95th percentile per-packet one-way delay: 64.139 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 50.86 Mbit/s
95th percentile per-packet one-way delay: 64.139 ms
Loss rate: 0.06%

Run 7: Report of Vivace-latency — Data Link

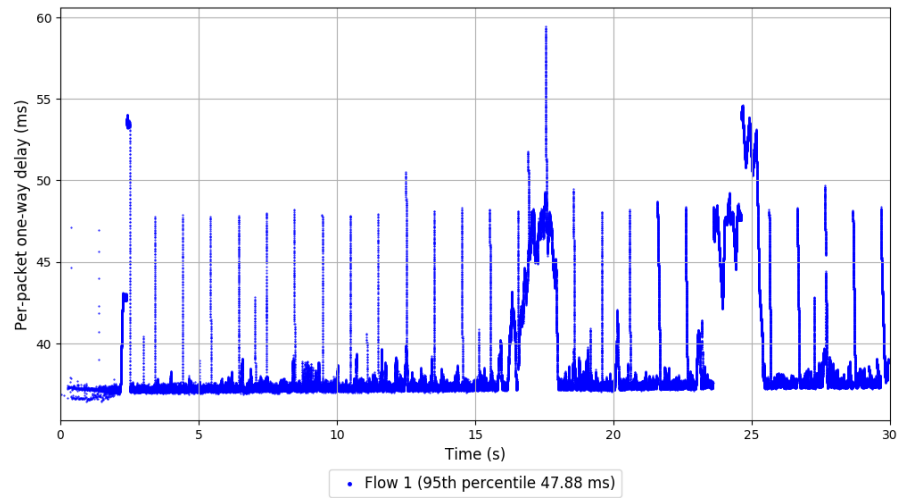
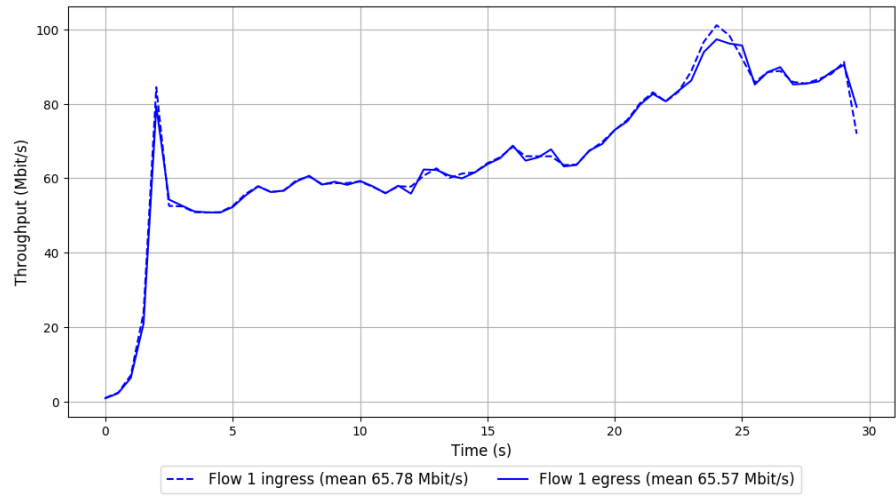


Run 8: Statistics of Vivace-latency

Start at: 2018-03-27 06:59:06
End at: 2018-03-27 06:59:36
Local clock offset: 11.06 ms
Remote clock offset: -34.354 ms

Below is generated by plot.py at 2018-03-27 08:38:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.57 Mbit/s
95th percentile per-packet one-way delay: 47.882 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 65.57 Mbit/s
95th percentile per-packet one-way delay: 47.882 ms
Loss rate: 0.31%

Run 8: Report of Vivace-latency — Data Link

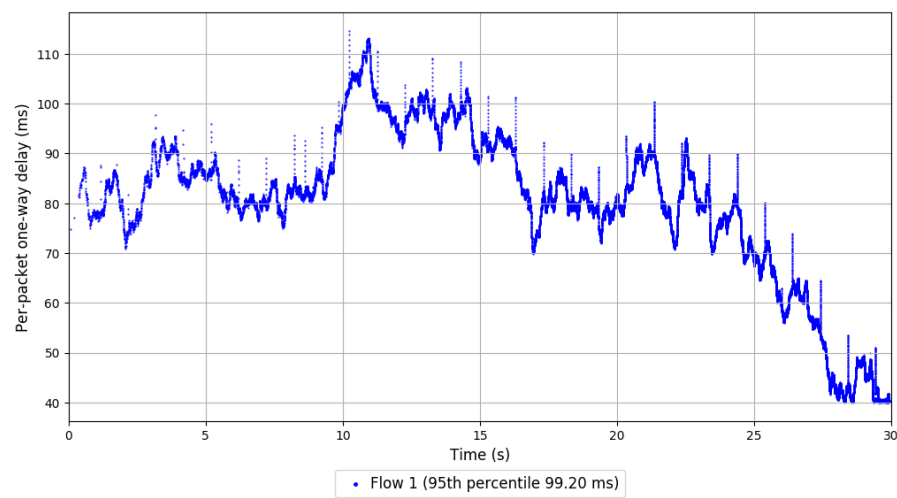
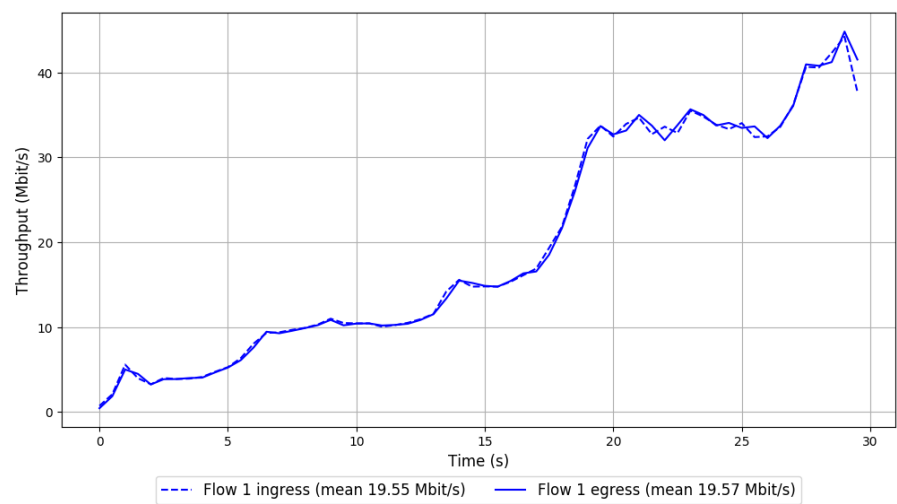


Run 9: Statistics of Vivace-latency

Start at: 2018-03-27 07:21:16
End at: 2018-03-27 07:21:46
Local clock offset: 4.575 ms
Remote clock offset: 16.907 ms

Below is generated by plot.py at 2018-03-27 08:38:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.57 Mbit/s
95th percentile per-packet one-way delay: 99.204 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 19.57 Mbit/s
95th percentile per-packet one-way delay: 99.204 ms
Loss rate: 0.00%

Run 9: Report of Vivace-latency — Data Link

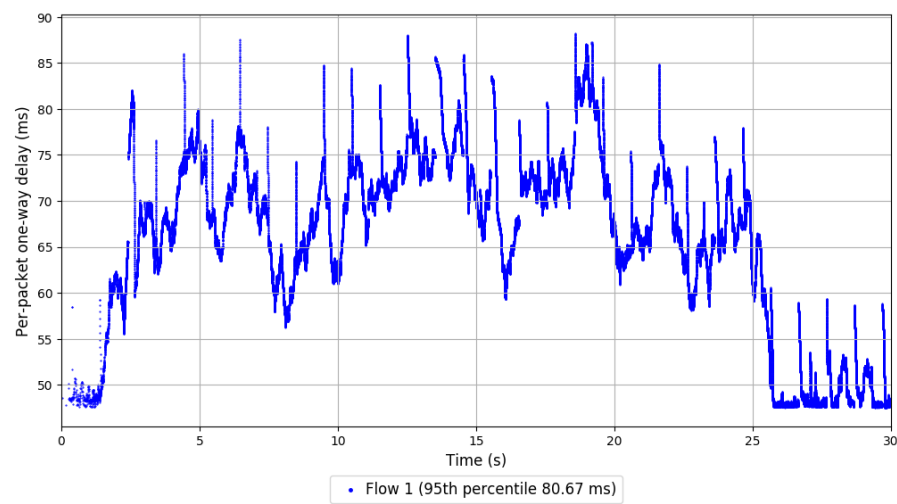
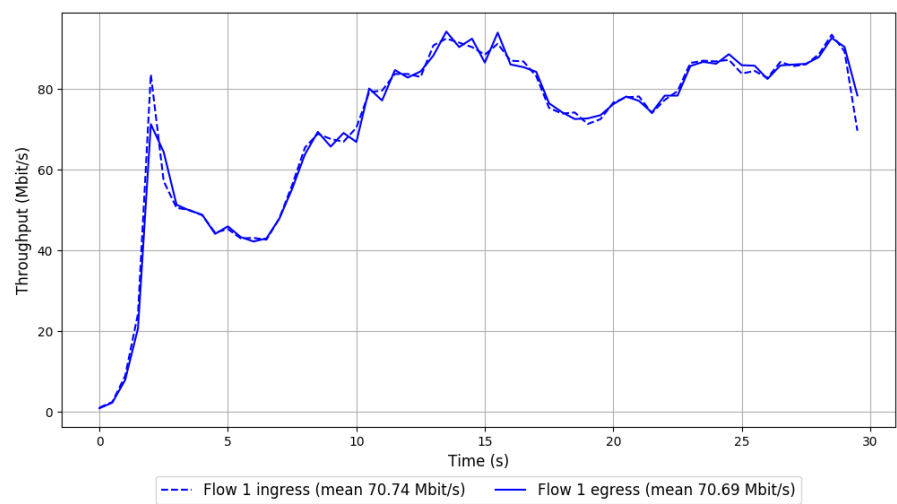


Run 10: Statistics of Vivace-latency

Start at: 2018-03-27 07:43:00
End at: 2018-03-27 07:43:30
Local clock offset: 5.186 ms
Remote clock offset: 58.988 ms

Below is generated by plot.py at 2018-03-27 08:38:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.69 Mbit/s
95th percentile per-packet one-way delay: 80.670 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 70.69 Mbit/s
95th percentile per-packet one-way delay: 80.670 ms
Loss rate: 0.07%

Run 10: Report of Vivace-latency — Data Link

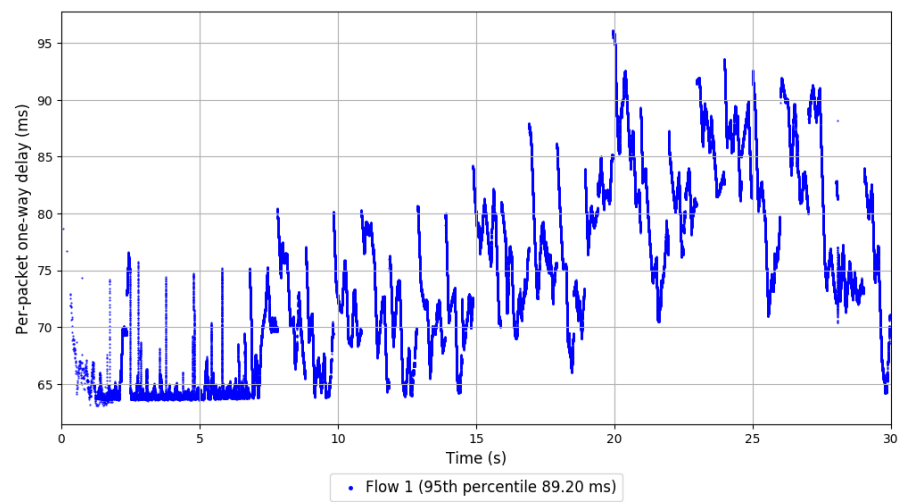
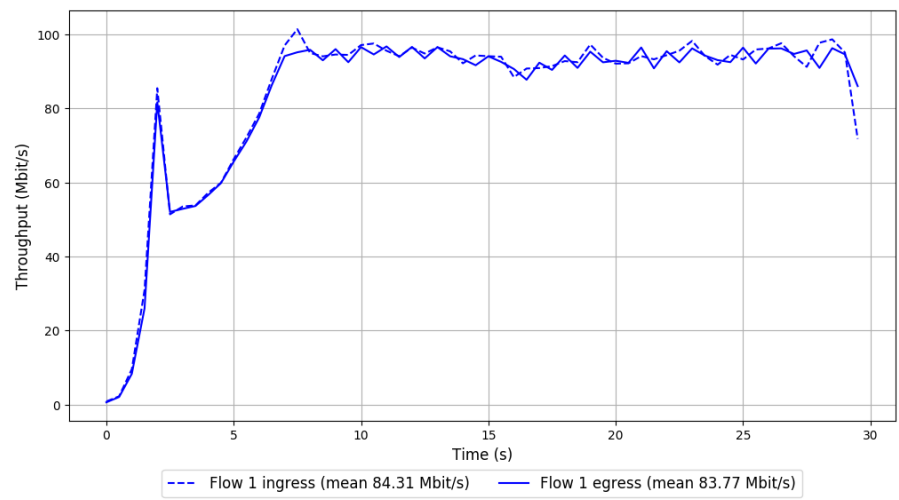


```
Run 1: Statistics of Vivace-loss

Start at: 2018-03-27 04:22:05
End at: 2018-03-27 04:22:35
Local clock offset: 6.478 ms
Remote clock offset: -30.136 ms

# Below is generated by plot.py at 2018-03-27 08:38:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.77 Mbit/s
95th percentile per-packet one-way delay: 89.202 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 83.77 Mbit/s
95th percentile per-packet one-way delay: 89.202 ms
Loss rate: 0.67%
```

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-03-27 04:43:54

End at: 2018-03-27 04:44:24

Local clock offset: 14.07 ms

Remote clock offset: -59.551 ms

Below is generated by plot.py at 2018-03-27 08:38:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.00 Mbit/s

95th percentile per-packet one-way delay: 80.075 ms

Loss rate: 0.78%

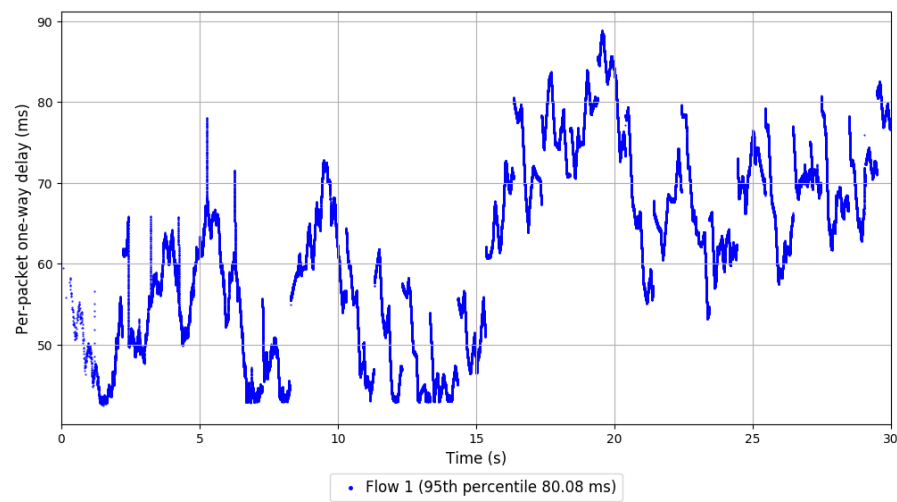
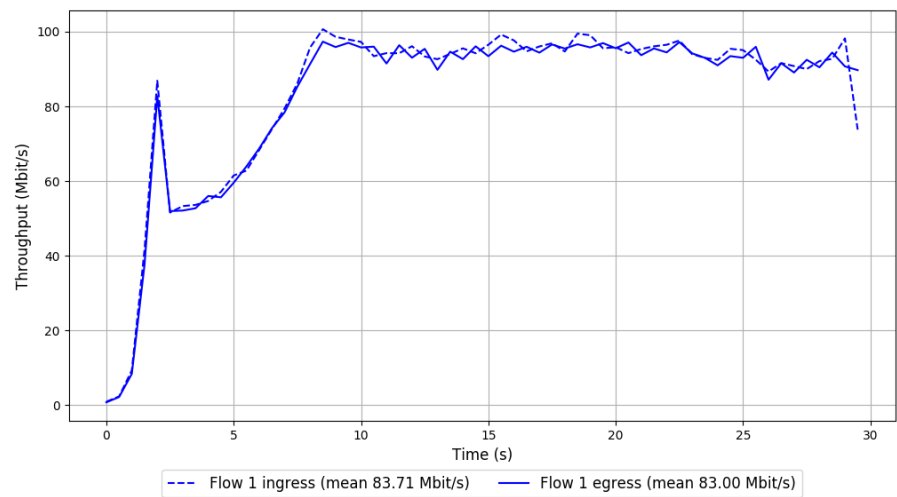
-- Flow 1:

Average throughput: 83.00 Mbit/s

95th percentile per-packet one-way delay: 80.075 ms

Loss rate: 0.78%

Run 2: Report of Vivace-loss — Data Link

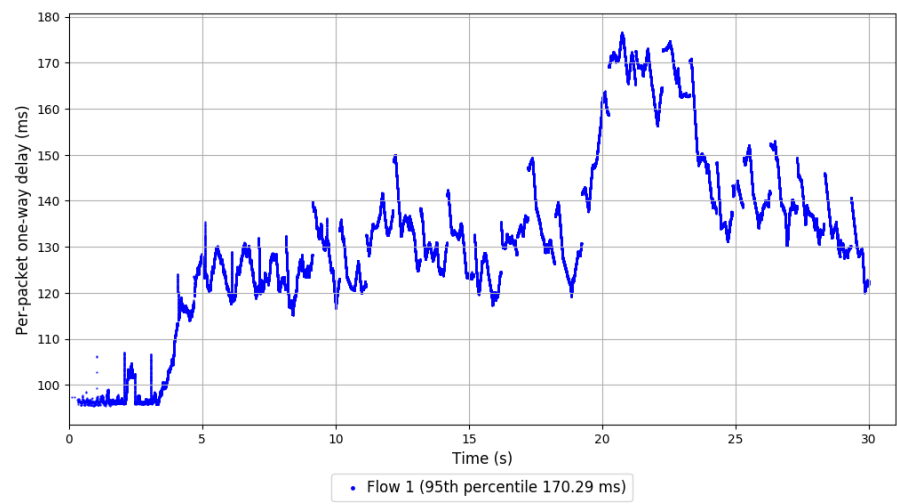
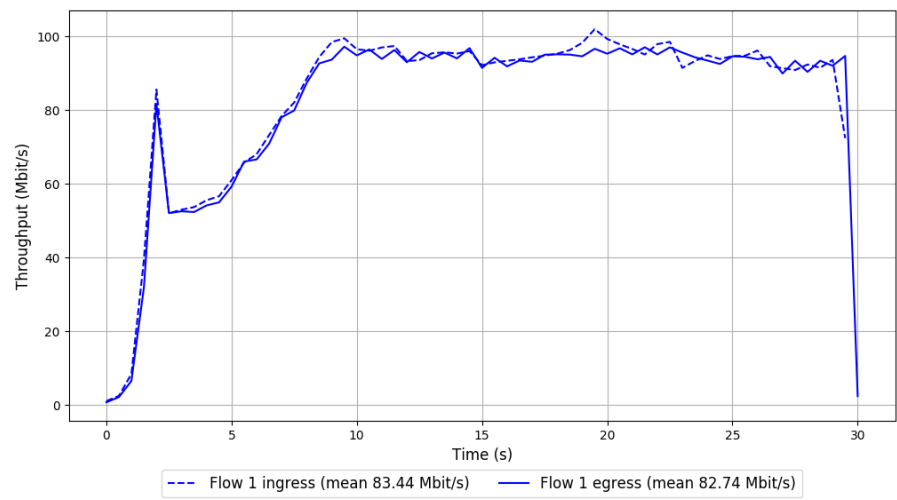


Run 3: Statistics of Vivace-loss

Start at: 2018-03-27 05:05:41
End at: 2018-03-27 05:06:11
Local clock offset: 0.587 ms
Remote clock offset: 21.812 ms

Below is generated by plot.py at 2018-03-27 08:38:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.74 Mbit/s
95th percentile per-packet one-way delay: 170.286 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 82.74 Mbit/s
95th percentile per-packet one-way delay: 170.286 ms
Loss rate: 0.75%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-03-27 05:27:55

End at: 2018-03-27 05:28:25

Local clock offset: 2.948 ms

Remote clock offset: -19.514 ms

Below is generated by plot.py at 2018-03-27 08:38:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.09 Mbit/s

95th percentile per-packet one-way delay: 56.848 ms

Loss rate: 1.05%

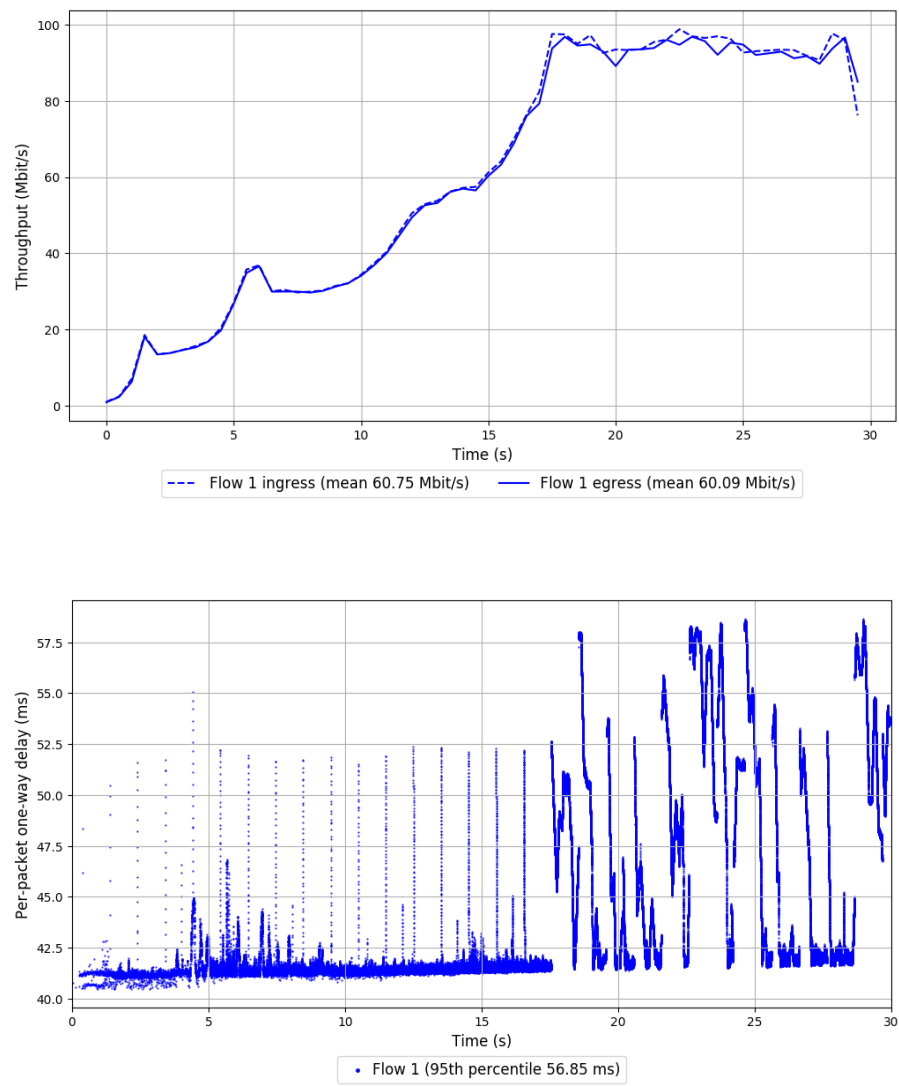
-- Flow 1:

Average throughput: 60.09 Mbit/s

95th percentile per-packet one-way delay: 56.848 ms

Loss rate: 1.05%

Run 4: Report of Vivace-loss — Data Link

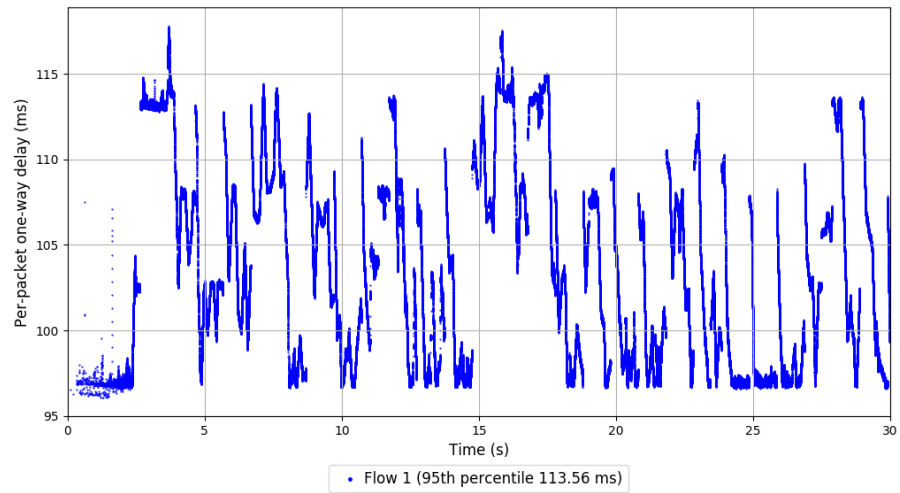
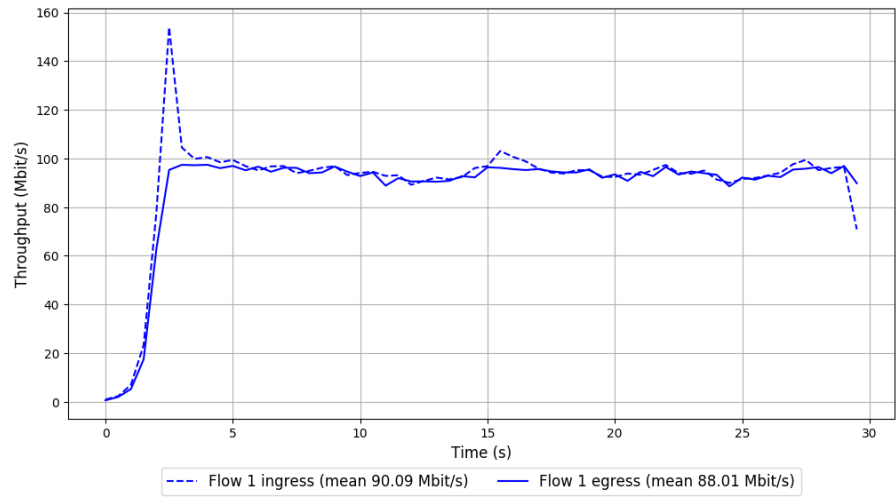


Run 5: Statistics of Vivace-loss

Start at: 2018-03-27 05:50:21
End at: 2018-03-27 05:50:51
Local clock offset: 5.853 ms
Remote clock offset: 28.702 ms

Below is generated by plot.py at 2018-03-27 08:38:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.01 Mbit/s
95th percentile per-packet one-way delay: 113.558 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 88.01 Mbit/s
95th percentile per-packet one-way delay: 113.558 ms
Loss rate: 2.29%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-03-27 06:12:18

End at: 2018-03-27 06:12:48

Local clock offset: 4.074 ms

Remote clock offset: 48.184 ms

Below is generated by plot.py at 2018-03-27 08:38:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.27 Mbit/s

95th percentile per-packet one-way delay: 116.414 ms

Loss rate: 1.91%

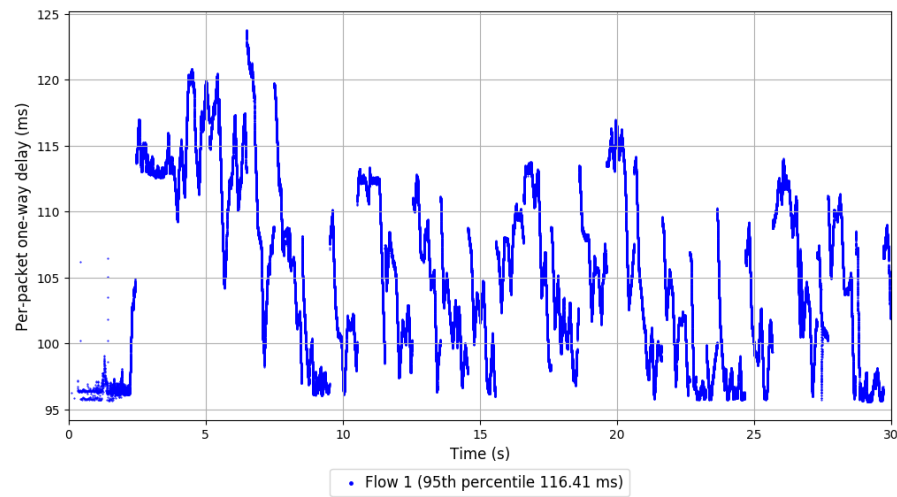
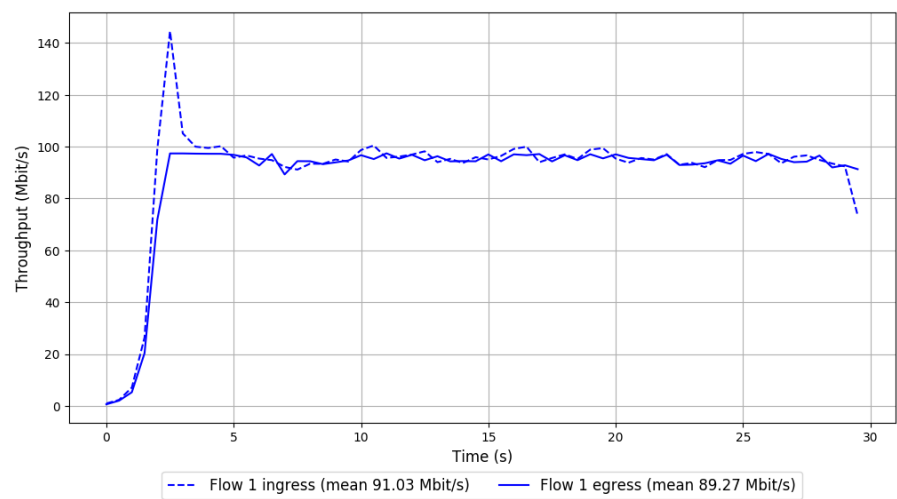
-- Flow 1:

Average throughput: 89.27 Mbit/s

95th percentile per-packet one-way delay: 116.414 ms

Loss rate: 1.91%

Run 6: Report of Vivace-loss — Data Link

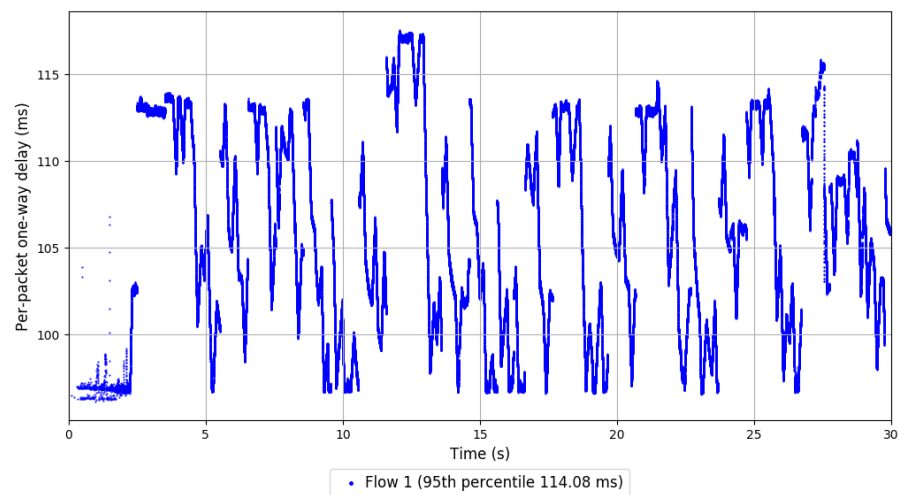
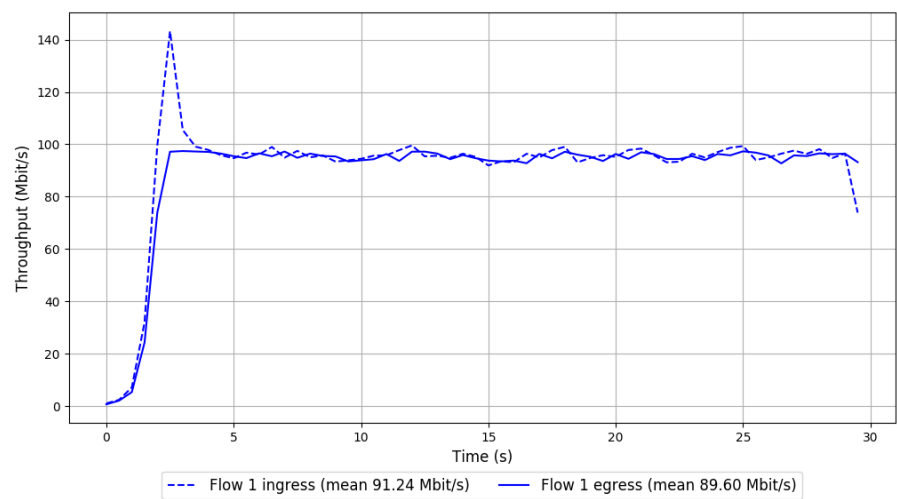


Run 7: Statistics of Vivace-loss

Start at: 2018-03-27 06:35:07
End at: 2018-03-27 06:35:37
Local clock offset: 6.955 ms
Remote clock offset: 65.579 ms

Below is generated by plot.py at 2018-03-27 08:38:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.60 Mbit/s
95th percentile per-packet one-way delay: 114.075 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 89.60 Mbit/s
95th percentile per-packet one-way delay: 114.075 ms
Loss rate: 1.77%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-03-27 06:57:50

End at: 2018-03-27 06:58:20

Local clock offset: 10.629 ms

Remote clock offset: -28.852 ms

Below is generated by plot.py at 2018-03-27 08:38:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.41 Mbit/s

95th percentile per-packet one-way delay: 58.790 ms

Loss rate: 1.64%

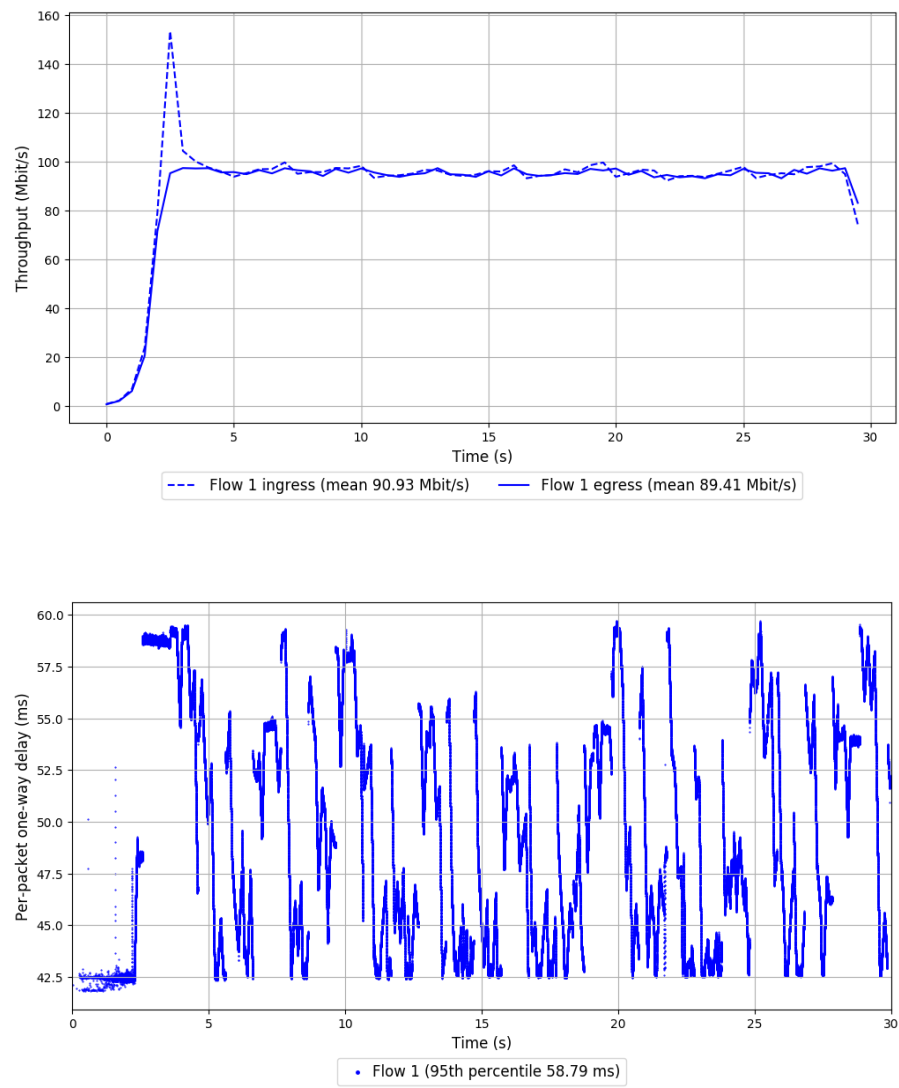
-- Flow 1:

Average throughput: 89.41 Mbit/s

95th percentile per-packet one-way delay: 58.790 ms

Loss rate: 1.64%

Run 8: Report of Vivace-loss — Data Link

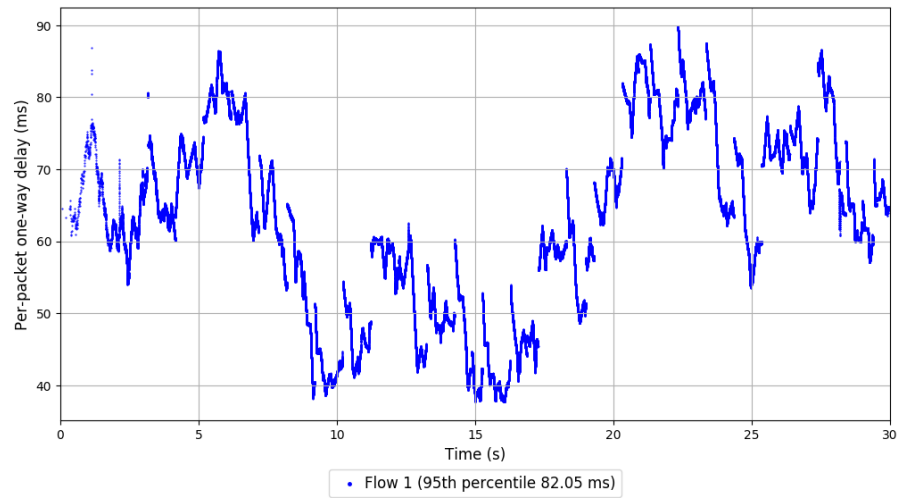
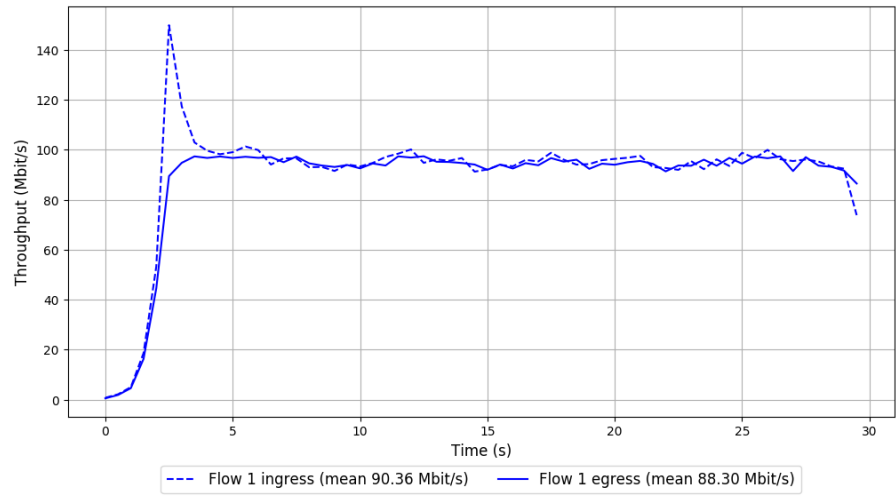


Run 9: Statistics of Vivace-loss

Start at: 2018-03-27 07:20:01
End at: 2018-03-27 07:20:31
Local clock offset: 4.794 ms
Remote clock offset: 10.199 ms

Below is generated by plot.py at 2018-03-27 08:38:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.30 Mbit/s
95th percentile per-packet one-way delay: 82.052 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 88.30 Mbit/s
95th percentile per-packet one-way delay: 82.052 ms
Loss rate: 2.29%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-03-27 07:41:44

End at: 2018-03-27 07:42:14

Local clock offset: 4.808 ms

Remote clock offset: 60.813 ms

Below is generated by plot.py at 2018-03-27 08:38:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.56 Mbit/s

95th percentile per-packet one-way delay: 91.388 ms

Loss rate: 1.85%

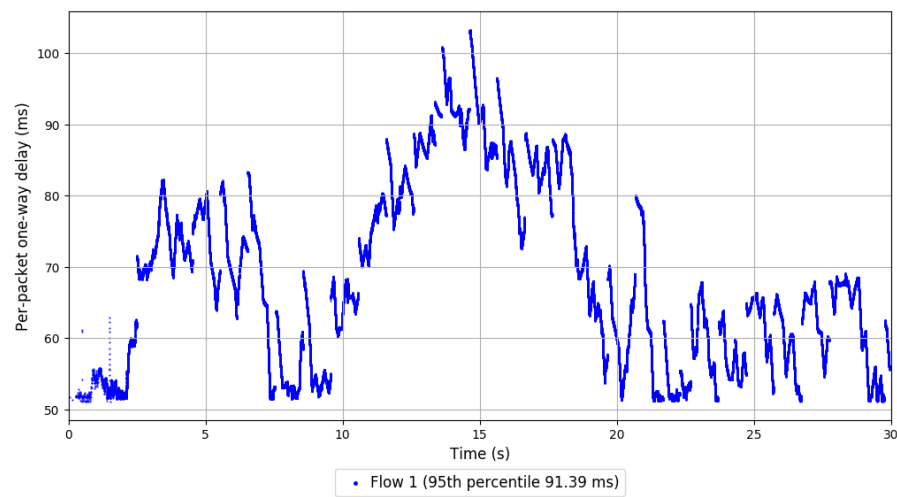
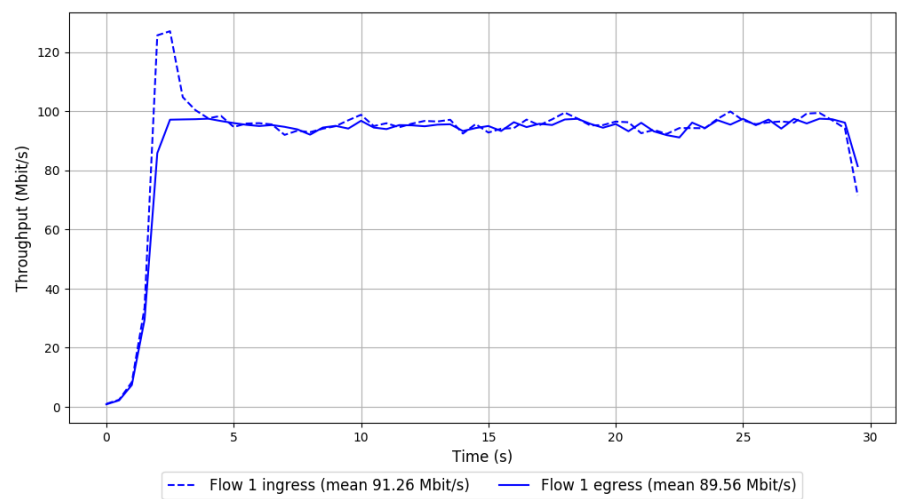
-- Flow 1:

Average throughput: 89.56 Mbit/s

95th percentile per-packet one-way delay: 91.388 ms

Loss rate: 1.85%

Run 10: Report of Vivace-loss — Data Link

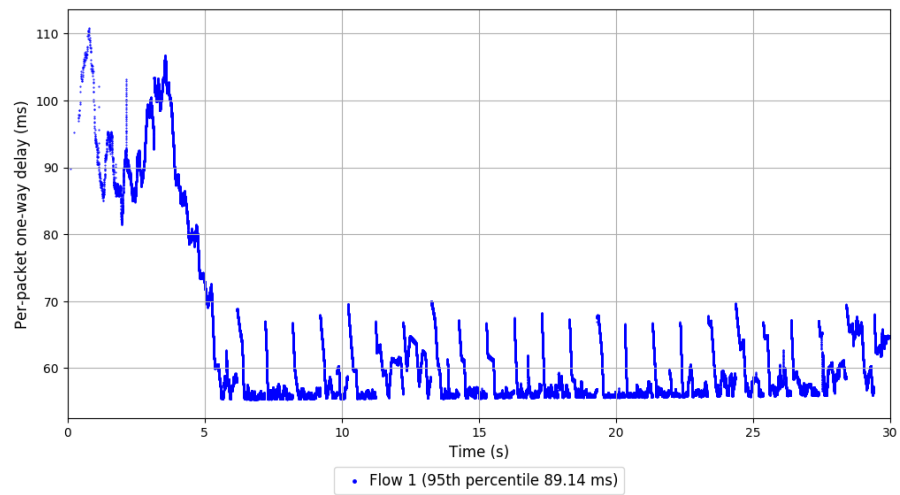
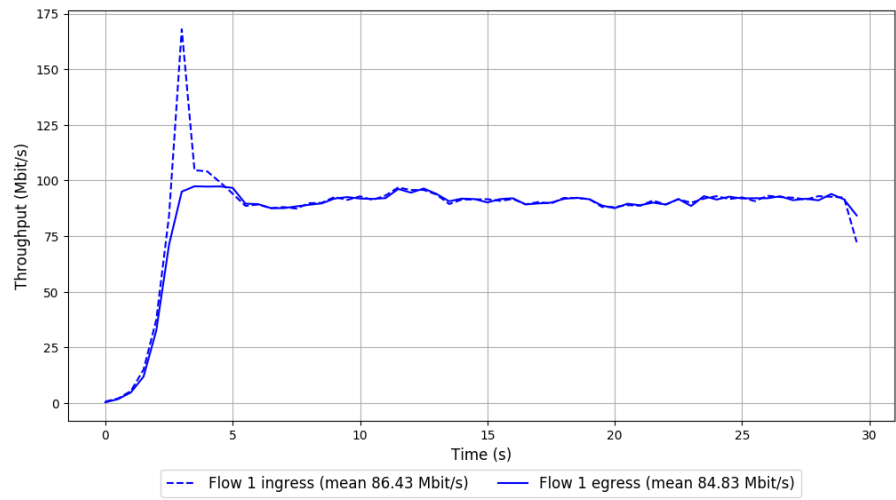


Run 1: Statistics of Vivace-LTE

Start at: 2018-03-27 04:16:02
End at: 2018-03-27 04:16:32
Local clock offset: 1.279 ms
Remote clock offset: -36.036 ms

Below is generated by plot.py at 2018-03-27 08:38:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.83 Mbit/s
95th percentile per-packet one-way delay: 89.145 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 84.83 Mbit/s
95th percentile per-packet one-way delay: 89.145 ms
Loss rate: 1.93%

Run 1: Report of Vivace-LTE — Data Link

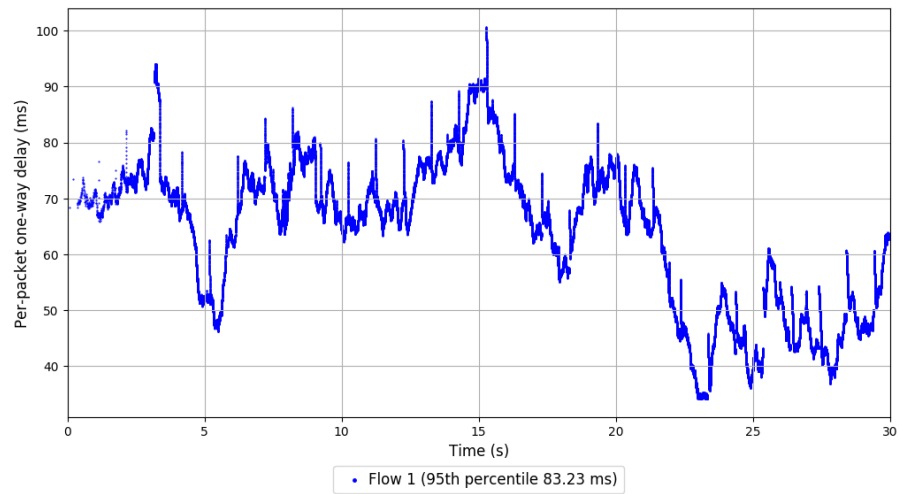
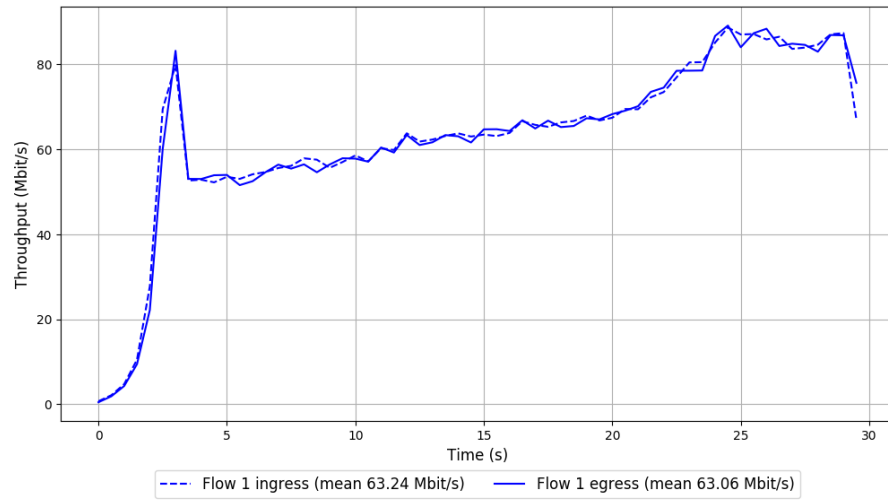


Run 2: Statistics of Vivace-LTE

Start at: 2018-03-27 04:37:47
End at: 2018-03-27 04:38:17
Local clock offset: 12.711 ms
Remote clock offset: -65.731 ms

Below is generated by plot.py at 2018-03-27 08:38:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.06 Mbit/s
95th percentile per-packet one-way delay: 83.227 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 63.06 Mbit/s
95th percentile per-packet one-way delay: 83.227 ms
Loss rate: 0.30%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-03-27 04:59:33

End at: 2018-03-27 05:00:03

Local clock offset: 2.265 ms

Remote clock offset: 11.313 ms

Below is generated by plot.py at 2018-03-27 08:38:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.91 Mbit/s

95th percentile per-packet one-way delay: 124.207 ms

Loss rate: 0.24%

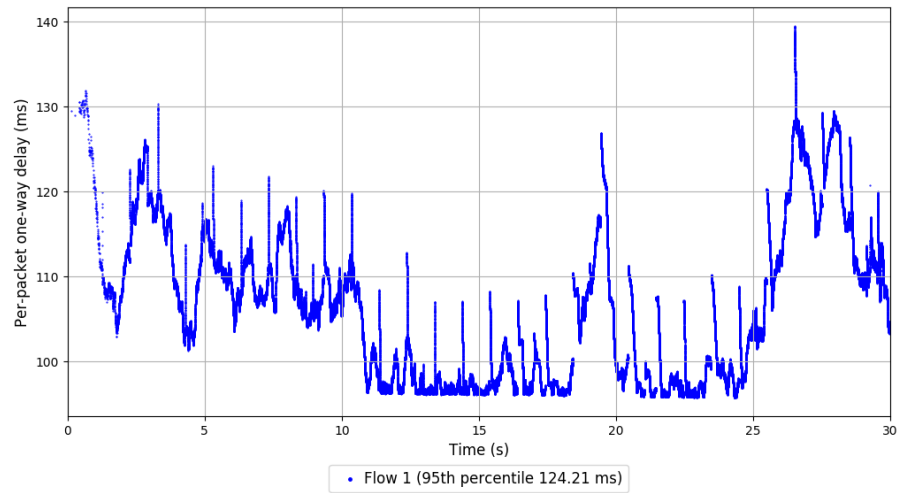
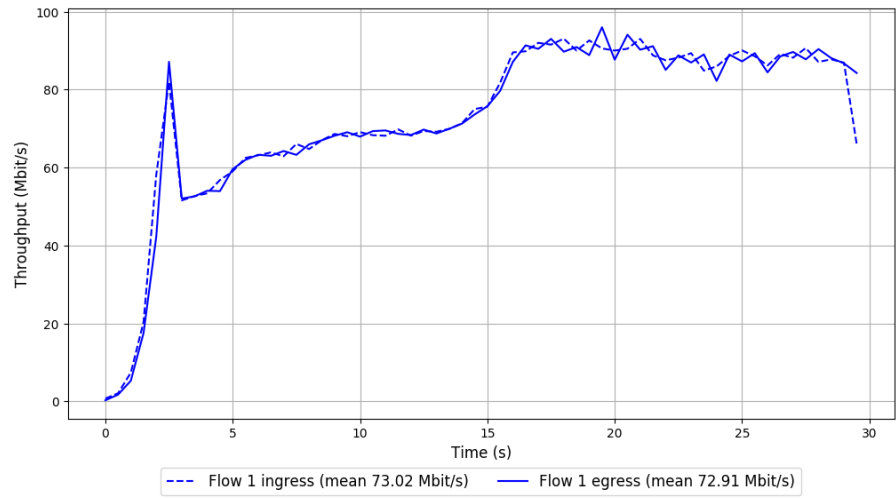
-- Flow 1:

Average throughput: 72.91 Mbit/s

95th percentile per-packet one-way delay: 124.207 ms

Loss rate: 0.24%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-03-27 05:21:43

End at: 2018-03-27 05:22:13

Local clock offset: 0.001 ms

Remote clock offset: 34.597 ms

Below is generated by plot.py at 2018-03-27 08:38:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.81 Mbit/s

95th percentile per-packet one-way delay: 102.104 ms

Loss rate: 0.30%

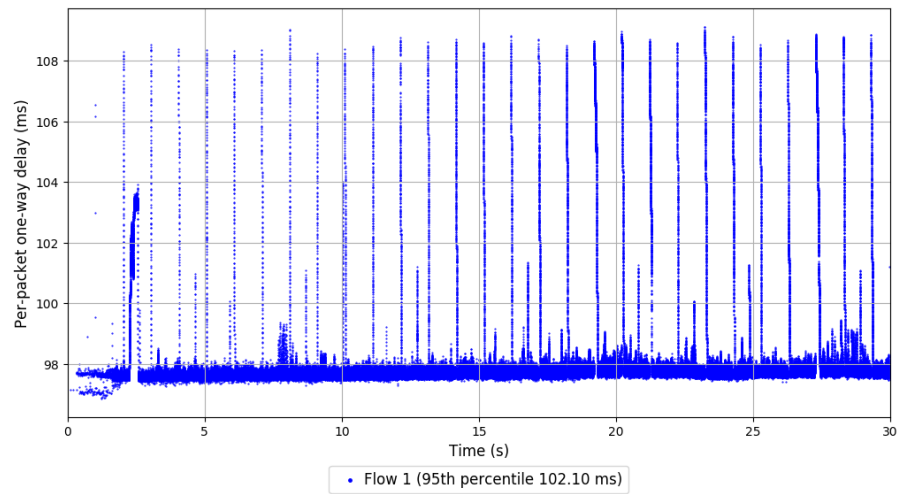
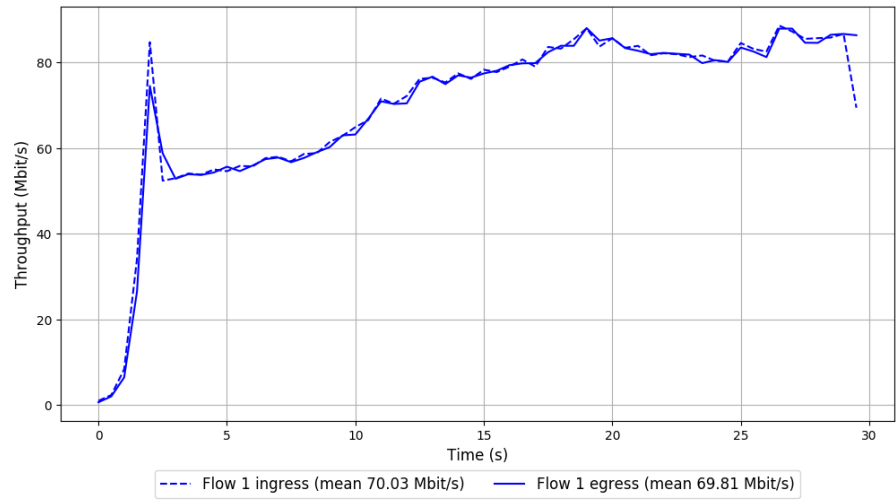
-- Flow 1:

Average throughput: 69.81 Mbit/s

95th percentile per-packet one-way delay: 102.104 ms

Loss rate: 0.30%

Run 4: Report of Vivace-LTE — Data Link

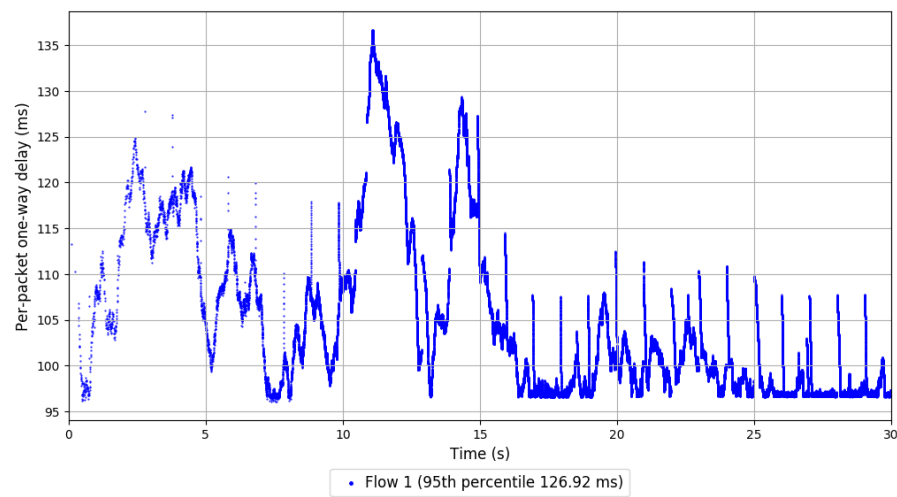
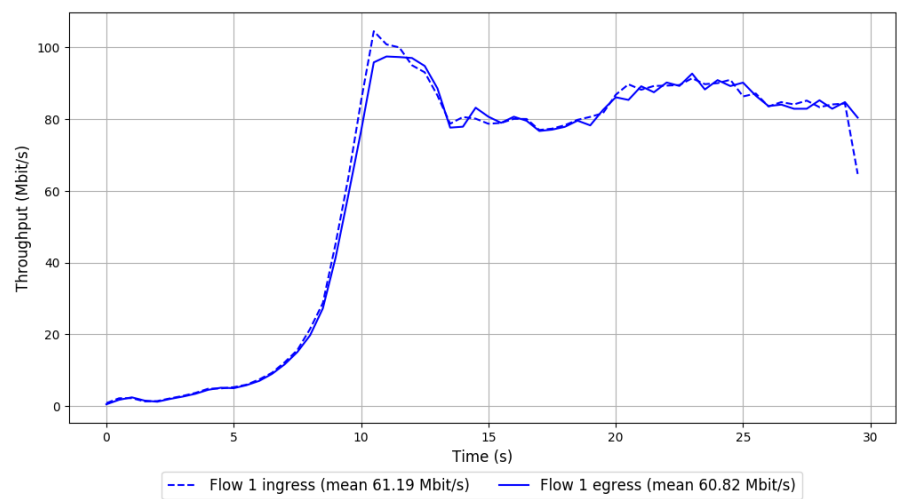


Run 5: Statistics of Vivace-LTE

Start at: 2018-03-27 05:43:58
End at: 2018-03-27 05:44:28
Local clock offset: 5.719 ms
Remote clock offset: 28.776 ms

Below is generated by plot.py at 2018-03-27 08:38:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 60.82 Mbit/s
95th percentile per-packet one-way delay: 126.923 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 60.82 Mbit/s
95th percentile per-packet one-way delay: 126.923 ms
Loss rate: 0.67%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-03-27 06:06:06

End at: 2018-03-27 06:06:36

Local clock offset: 4.622 ms

Remote clock offset: 38.733 ms

Below is generated by plot.py at 2018-03-27 08:39:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.58 Mbit/s

95th percentile per-packet one-way delay: 144.551 ms

Loss rate: 1.58%

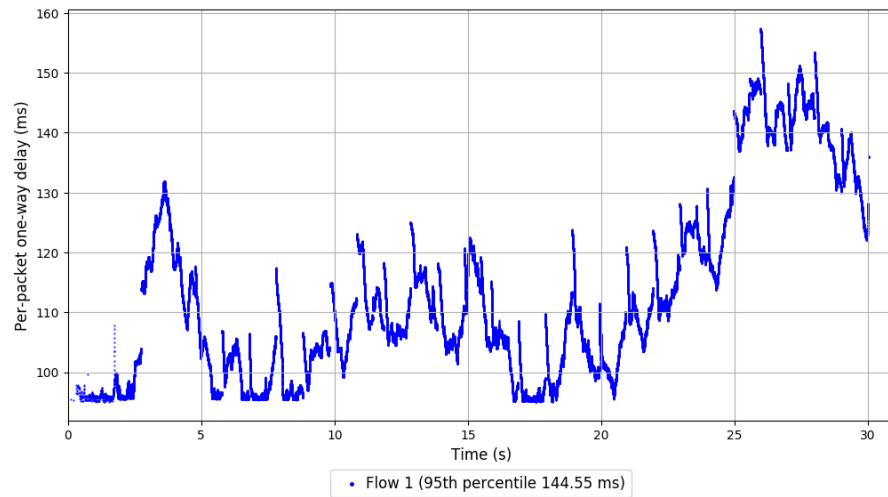
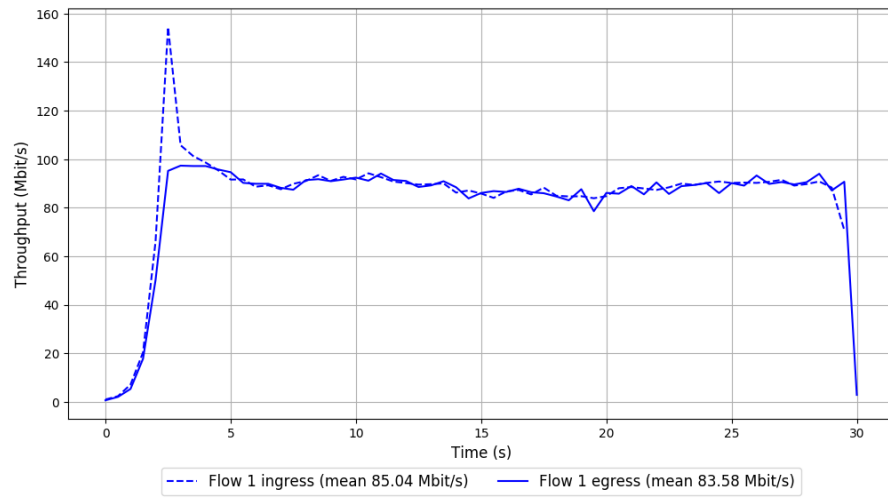
-- Flow 1:

Average throughput: 83.58 Mbit/s

95th percentile per-packet one-way delay: 144.551 ms

Loss rate: 1.58%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-03-27 06:28:29

End at: 2018-03-27 06:28:59

Local clock offset: 4.031 ms

Remote clock offset: 6.362 ms

Below is generated by plot.py at 2018-03-27 08:39:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.16 Mbit/s

95th percentile per-packet one-way delay: 52.763 ms

Loss rate: 0.21%

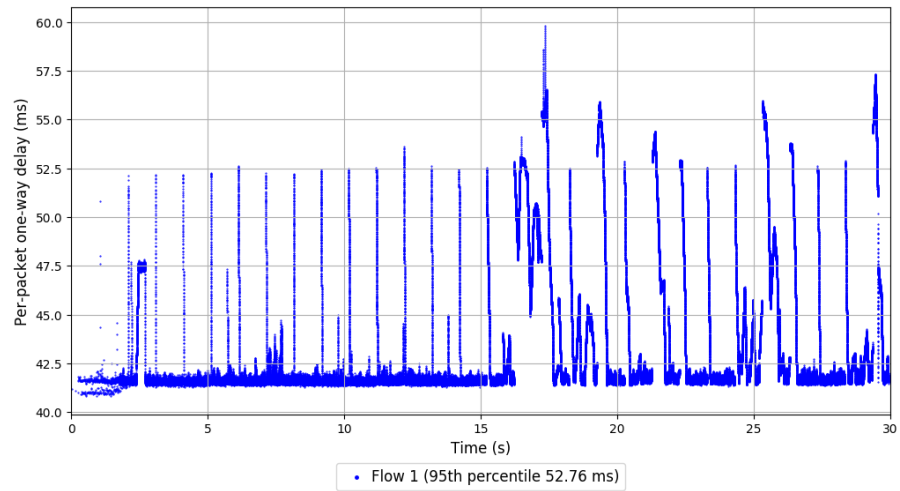
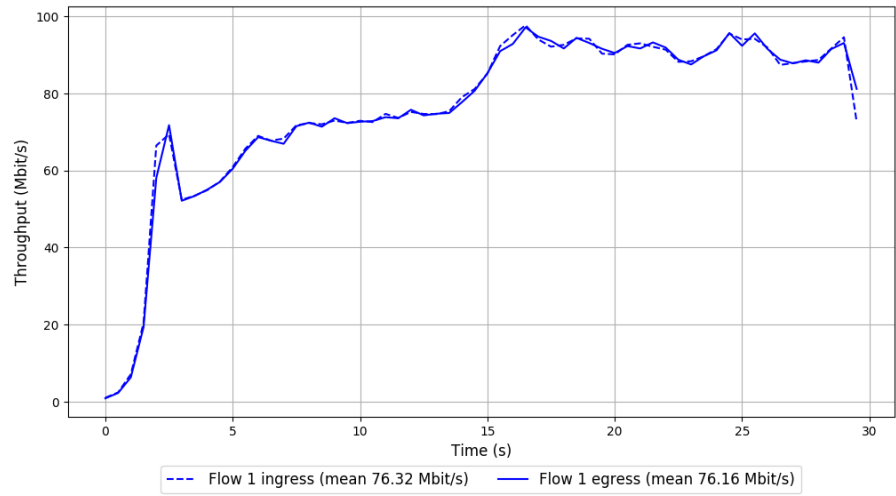
-- Flow 1:

Average throughput: 76.16 Mbit/s

95th percentile per-packet one-way delay: 52.763 ms

Loss rate: 0.21%

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-03-27 06:51:44

End at: 2018-03-27 06:52:14

Local clock offset: 10.263 ms

Remote clock offset: 29.341 ms

Below is generated by plot.py at 2018-03-27 08:39:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.48 Mbit/s

95th percentile per-packet one-way delay: 112.370 ms

Loss rate: 1.65%

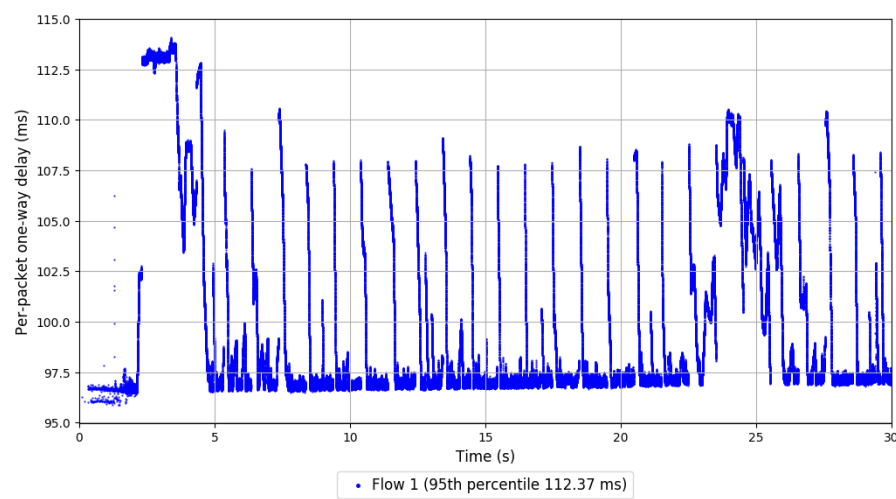
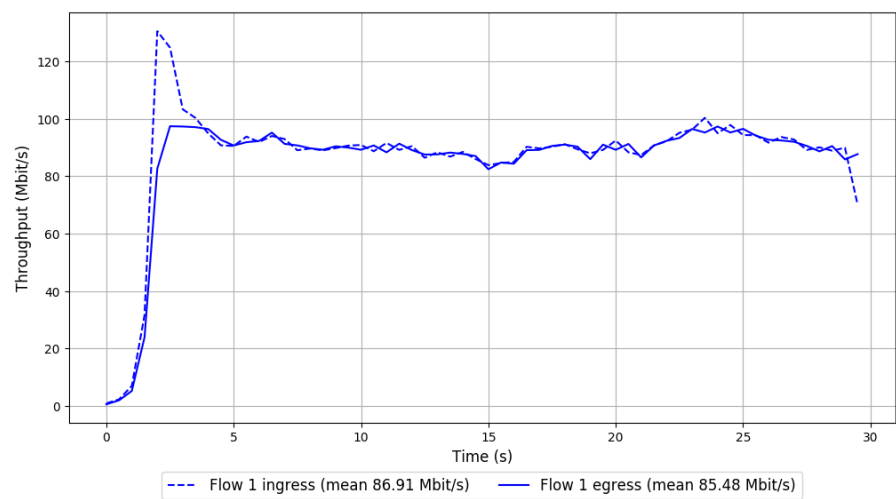
-- Flow 1:

Average throughput: 85.48 Mbit/s

95th percentile per-packet one-way delay: 112.370 ms

Loss rate: 1.65%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-03-27 07:13:48

End at: 2018-03-27 07:14:18

Local clock offset: 5.845 ms

Remote clock offset: -4.245 ms

Below is generated by plot.py at 2018-03-27 08:39:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.50 Mbit/s

95th percentile per-packet one-way delay: 65.940 ms

Loss rate: 1.61%

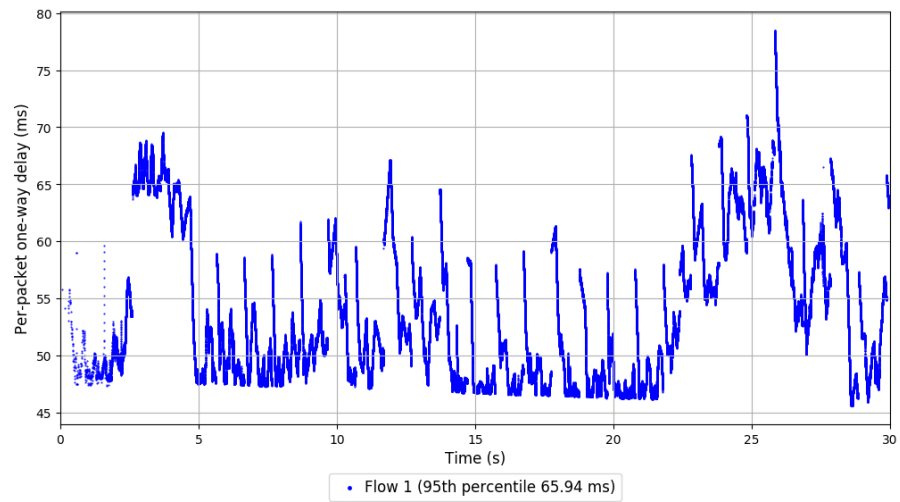
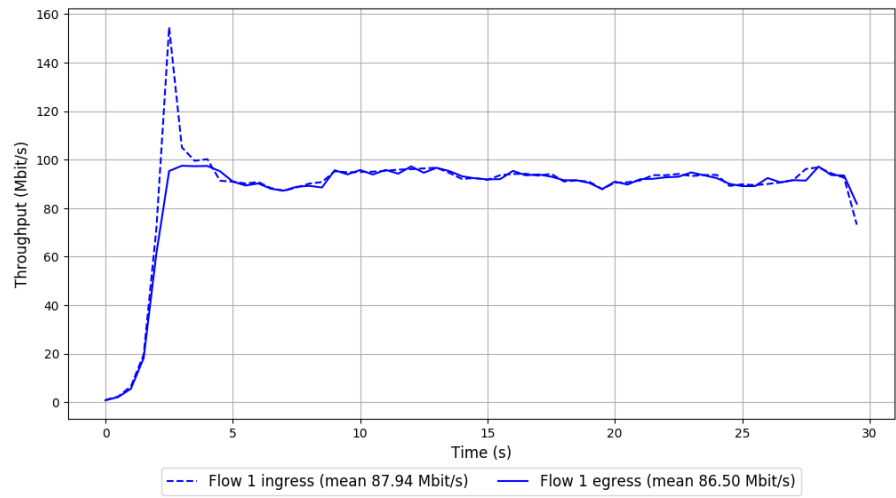
-- Flow 1:

Average throughput: 86.50 Mbit/s

95th percentile per-packet one-way delay: 65.940 ms

Loss rate: 1.61%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-03-27 07:35:37
End at: 2018-03-27 07:36:07
Local clock offset: 3.483 ms
Remote clock offset: 38.015 ms

Below is generated by plot.py at 2018-03-27 08:39:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.47 Mbit/s
95th percentile per-packet one-way delay: 51.960 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 86.47 Mbit/s
95th percentile per-packet one-way delay: 51.960 ms
Loss rate: 1.36%

Run 10: Report of Vivace-LTE — Data Link

