

Pantheon Report

Generated at 2018-04-24 12:25:59 (UTC).

Data path: Colombia Ethernet (*remote*) → AWS Brazil 2 Ethernet (*local*).

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

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

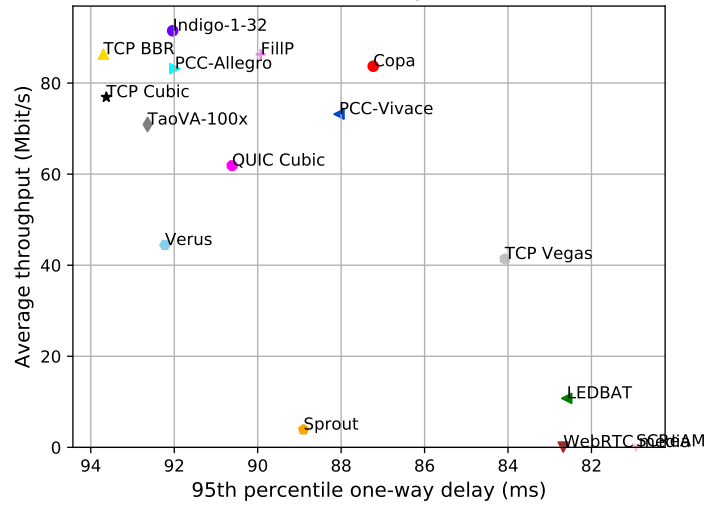
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

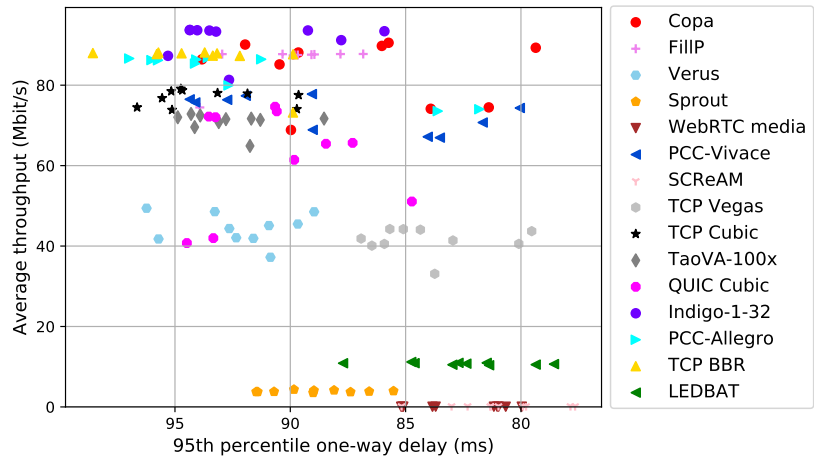
Git summary:

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

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



test from Colombia Ethernet to AWS Brazil 2 Ethernet, 10 runs of 30s each per scheme



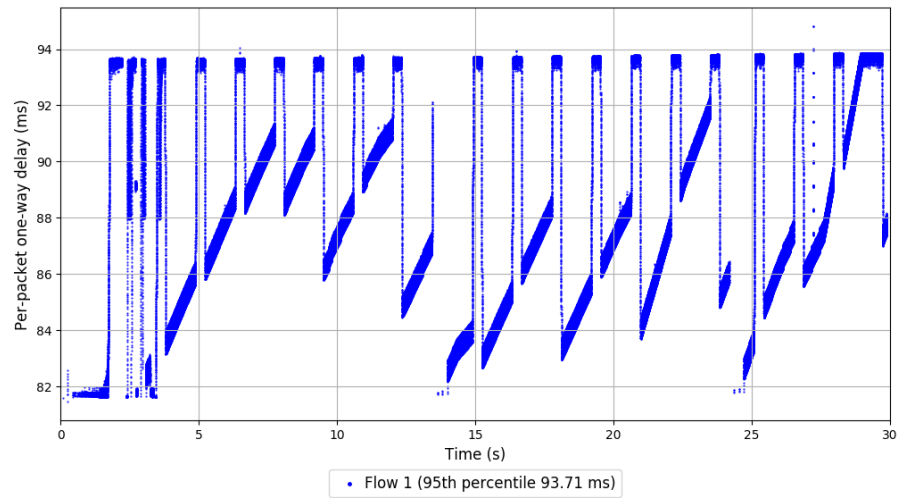
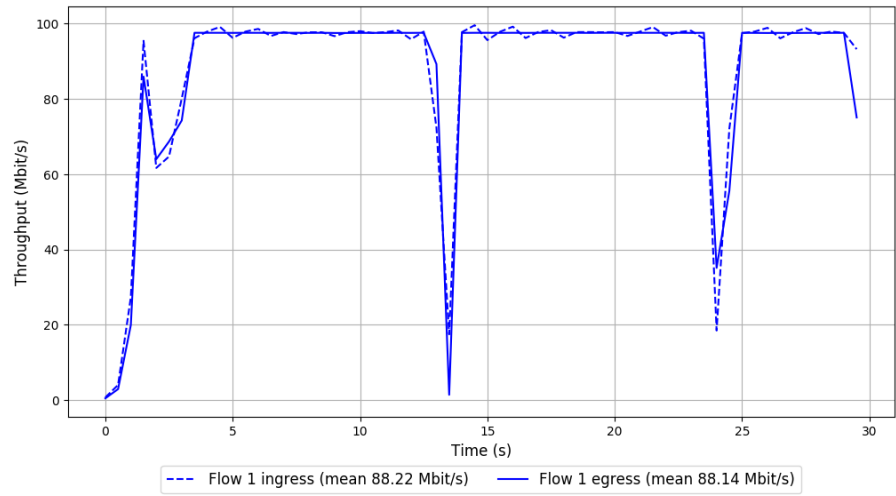
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	86.34	93.70	0.93
TCP Cubic	10	76.90	93.63	0.60
LEDBAT	10	10.76	82.59	1.22
PCC-Allegro	10	83.16	91.99	1.09
QUIC Cubic	10	61.87	90.62	1.00
SCReAM	10	0.22	80.93	0.55
WebRTC media	10	0.06	82.68	0.02
Sprout	10	3.89	88.90	0.74
TaoVA-100x	10	70.89	92.64	1.35
TCP Vegas	10	41.37	84.08	0.68
Verus	10	44.44	92.22	3.43
Copa	10	83.69	87.23	5.39
FillP	10	86.31	89.93	1.58
Indigo-1-32	10	91.48	92.04	2.15
PCC-Vivace	10	73.17	88.05	1.13
PCC-Expr	0	N/A	N/A	N/A

Run 1: Statistics of TCP BBR

Start at: 2018-04-24 05:14:18
End at: 2018-04-24 05:14:48
Local clock offset: -20.357 ms
Remote clock offset: 2.067 ms

Below is generated by plot.py at 2018-04-24 12:08:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.14 Mbit/s
95th percentile per-packet one-way delay: 93.712 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 88.14 Mbit/s
95th percentile per-packet one-way delay: 93.712 ms
Loss rate: 0.69%

Run 1: Report of TCP BBR — Data Link

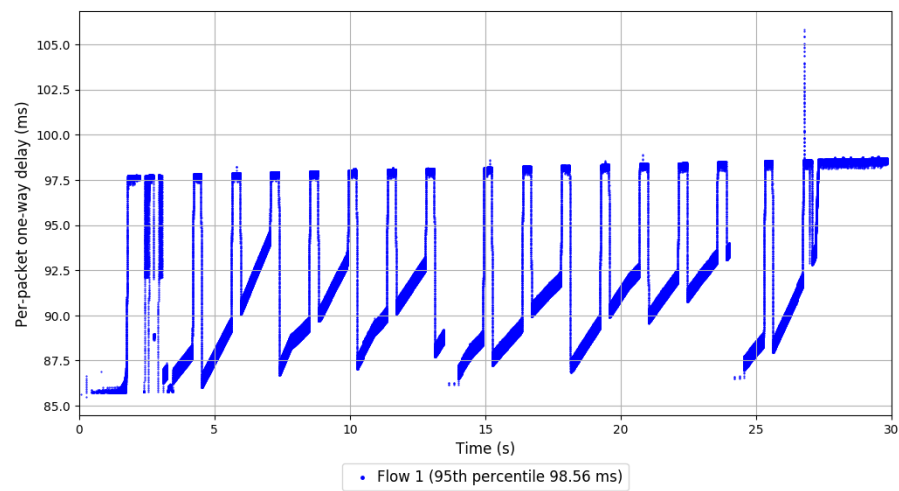
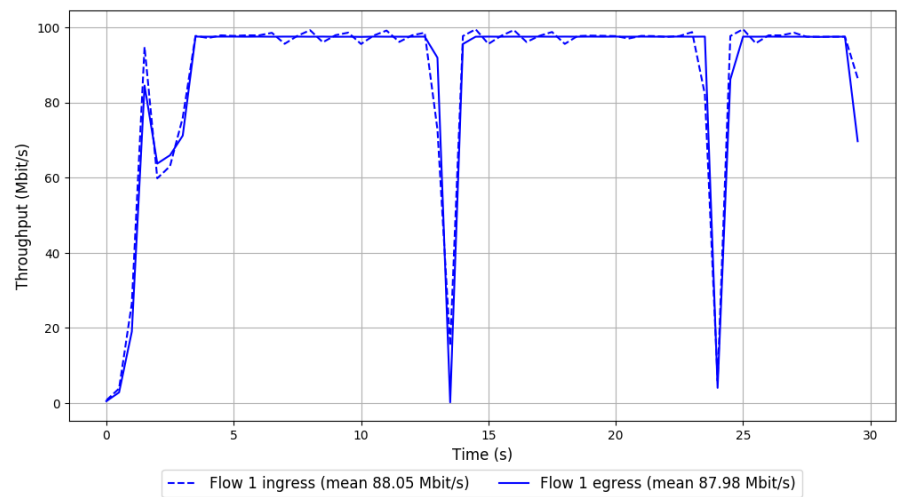


Run 2: Statistics of TCP BBR

Start at: 2018-04-24 05:35:12
End at: 2018-04-24 05:35:42
Local clock offset: -38.428 ms
Remote clock offset: 2.941 ms

Below is generated by plot.py at 2018-04-24 12:08:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.98 Mbit/s
95th percentile per-packet one-way delay: 98.559 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 87.98 Mbit/s
95th percentile per-packet one-way delay: 98.559 ms
Loss rate: 0.68%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-04-24 05:56:03

End at: 2018-04-24 05:56:33

Local clock offset: -41.61 ms

Remote clock offset: 8.57 ms

Below is generated by plot.py at 2018-04-24 12:08:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.70 Mbit/s

95th percentile per-packet one-way delay: 89.879 ms

Loss rate: 0.71%

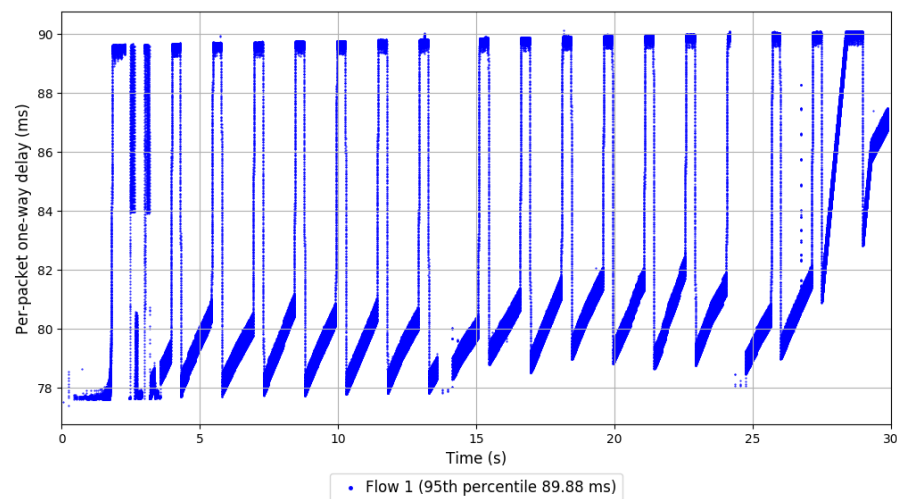
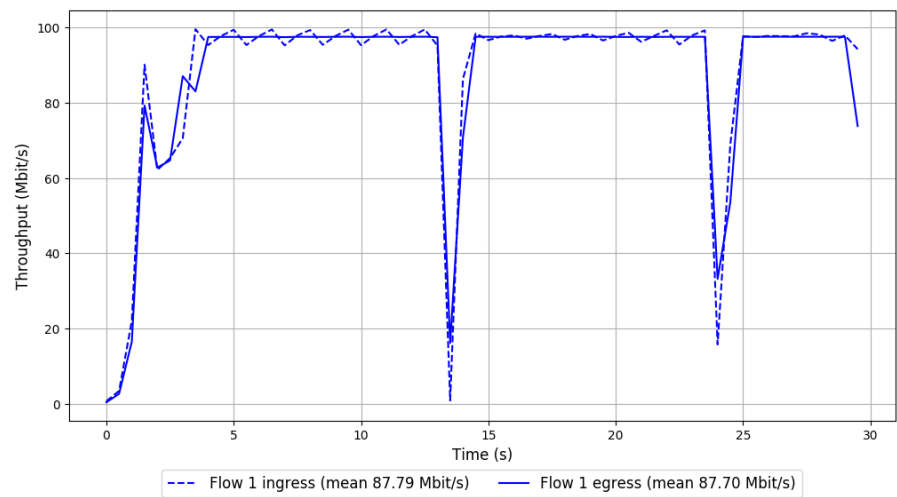
-- Flow 1:

Average throughput: 87.70 Mbit/s

95th percentile per-packet one-way delay: 89.879 ms

Loss rate: 0.71%

Run 3: Report of TCP BBR — Data Link

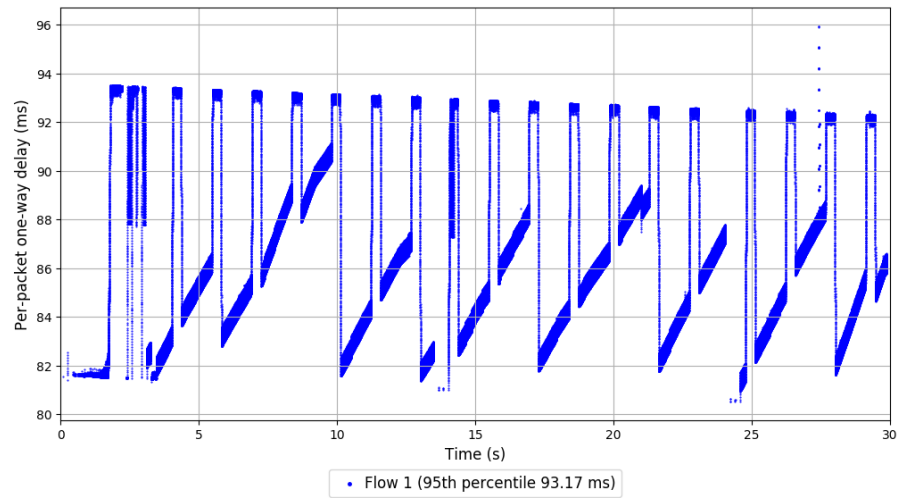
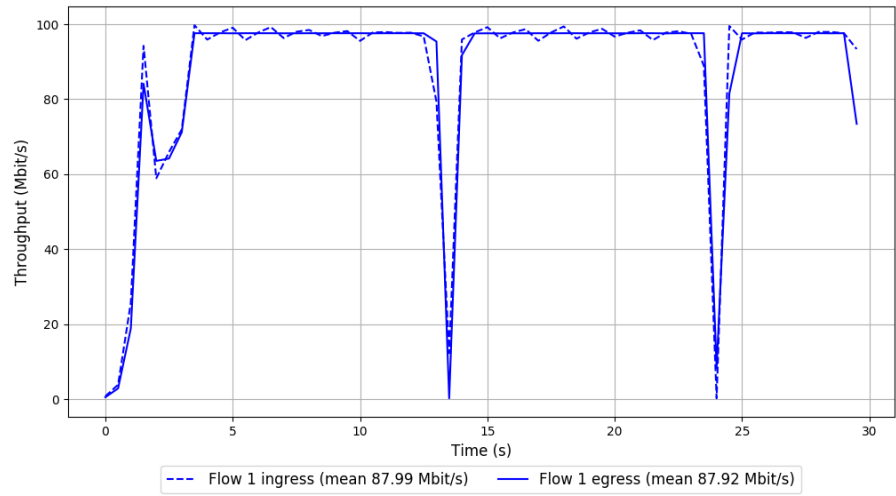


Run 4: Statistics of TCP BBR

Start at: 2018-04-24 06:17:08
End at: 2018-04-24 06:17:38
Local clock offset: -44.217 ms
Remote clock offset: 2.078 ms

Below is generated by plot.py at 2018-04-24 12:08:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.92 Mbit/s
95th percentile per-packet one-way delay: 93.175 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 87.92 Mbit/s
95th percentile per-packet one-way delay: 93.175 ms
Loss rate: 0.69%

Run 4: Report of TCP BBR — Data Link

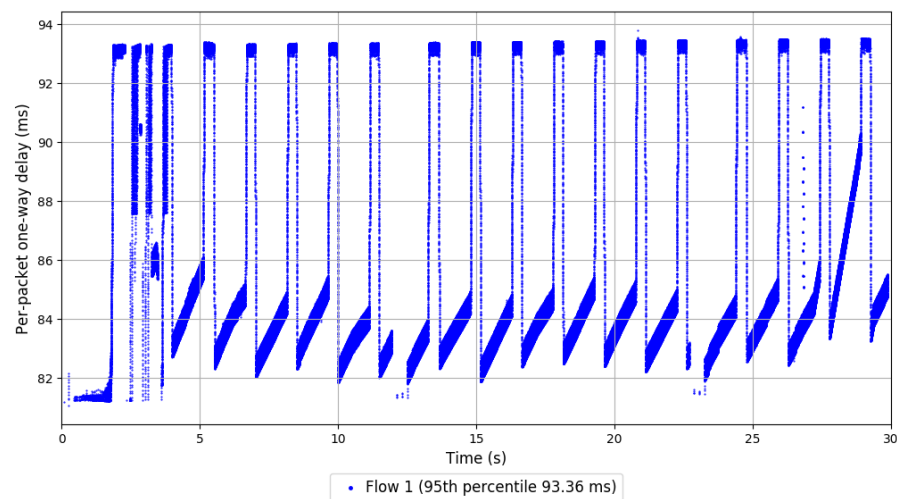
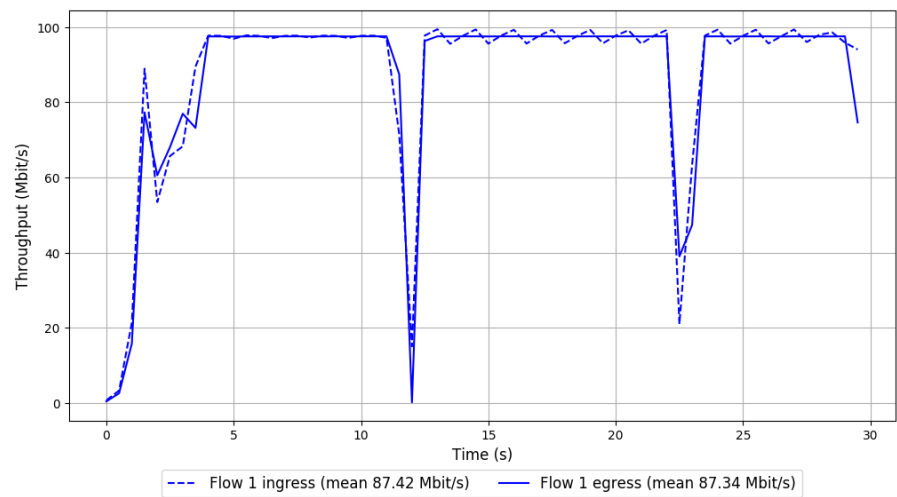


Run 5: Statistics of TCP BBR

Start at: 2018-04-24 06:38:01
End at: 2018-04-24 06:38:31
Local clock offset: -31.385 ms
Remote clock offset: 2.8 ms

Below is generated by plot.py at 2018-04-24 12:08:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.34 Mbit/s
95th percentile per-packet one-way delay: 93.361 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 87.34 Mbit/s
95th percentile per-packet one-way delay: 93.361 ms
Loss rate: 0.69%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-04-24 06:58:53

End at: 2018-04-24 06:59:23

Local clock offset: -6.401 ms

Remote clock offset: 7.357 ms

Below is generated by plot.py at 2018-04-24 12:08:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.21 Mbit/s

95th percentile per-packet one-way delay: 89.885 ms

Loss rate: 3.10%

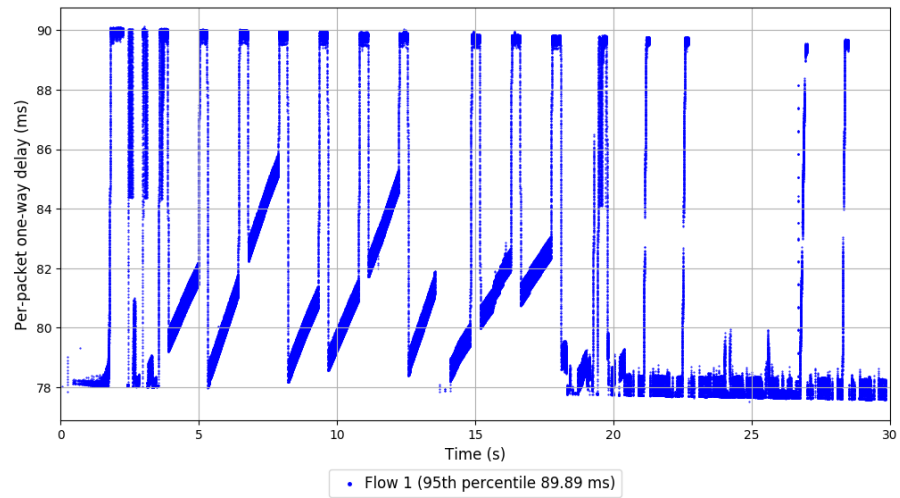
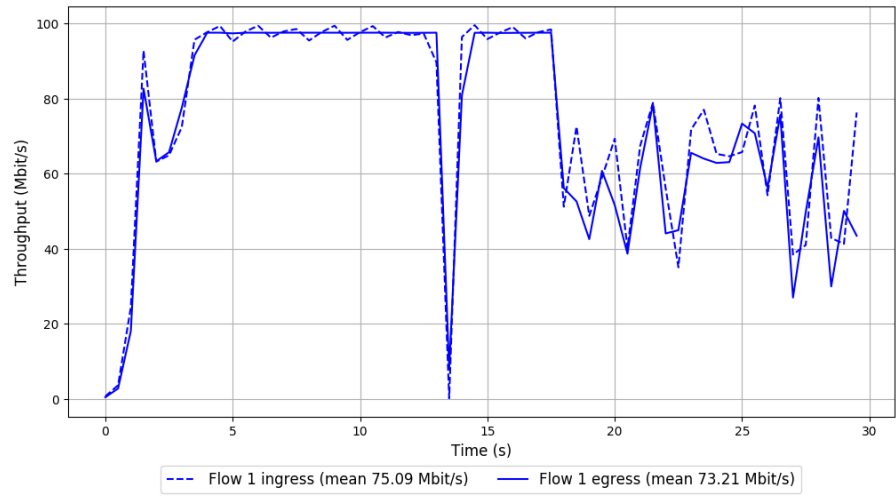
-- Flow 1:

Average throughput: 73.21 Mbit/s

95th percentile per-packet one-way delay: 89.885 ms

Loss rate: 3.10%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-04-24 07:19:46

End at: 2018-04-24 07:20:16

Local clock offset: 2.572 ms

Remote clock offset: 3.796 ms

Below is generated by plot.py at 2018-04-24 12:08:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.12 Mbit/s

95th percentile per-packet one-way delay: 95.718 ms

Loss rate: 0.70%

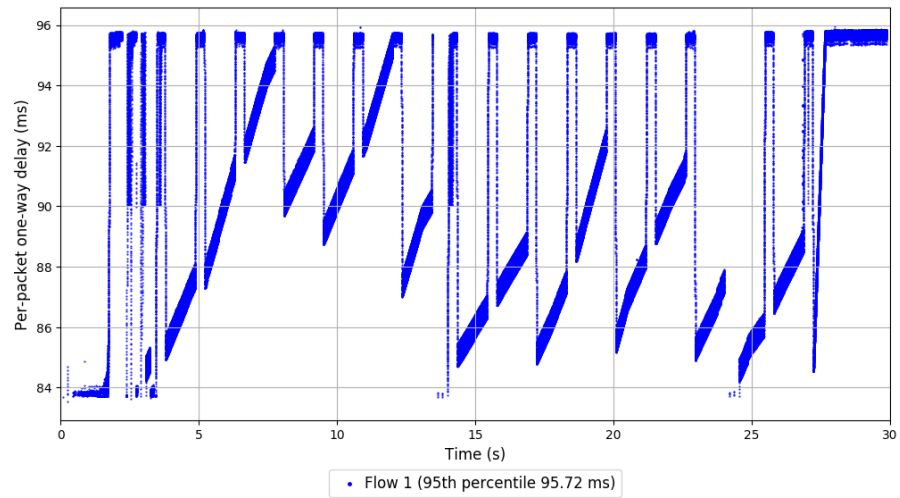
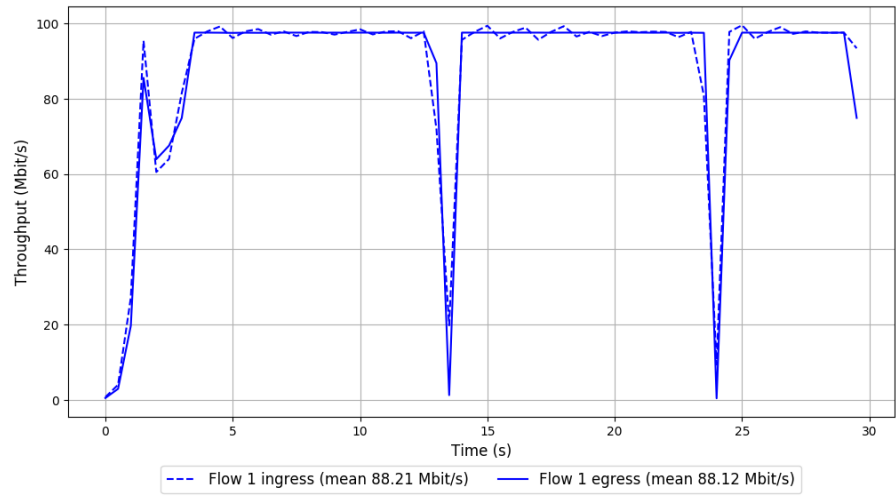
-- Flow 1:

Average throughput: 88.12 Mbit/s

95th percentile per-packet one-way delay: 95.718 ms

Loss rate: 0.70%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-04-24 07:40:38

End at: 2018-04-24 07:41:08

Local clock offset: -7.754 ms

Remote clock offset: 2.813 ms

Below is generated by plot.py at 2018-04-24 12:08:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.93 Mbit/s

95th percentile per-packet one-way delay: 94.714 ms

Loss rate: 0.68%

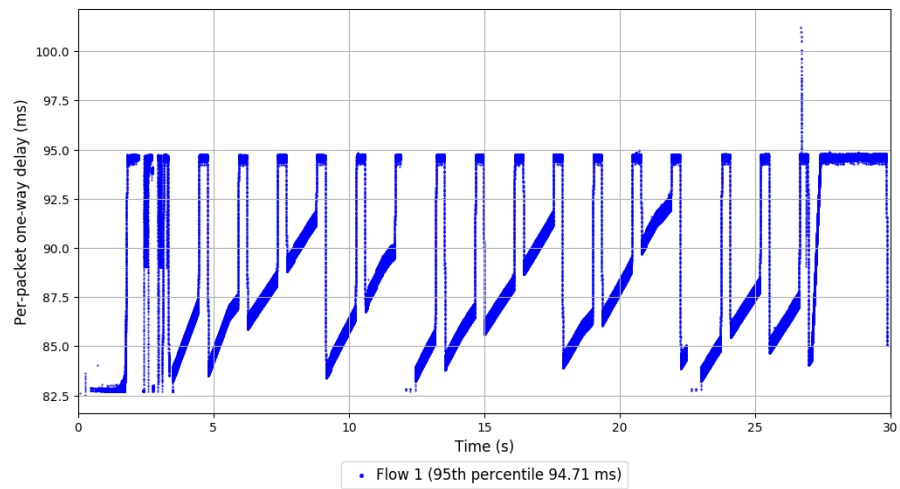
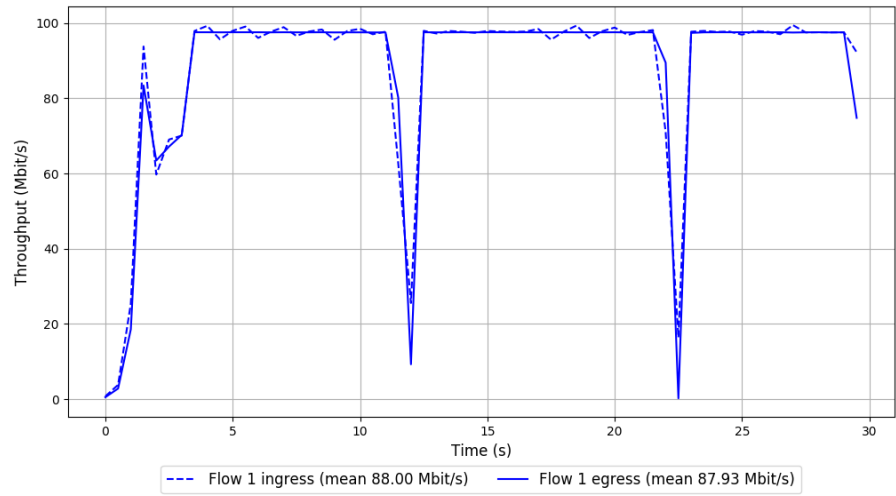
-- Flow 1:

Average throughput: 87.93 Mbit/s

95th percentile per-packet one-way delay: 94.714 ms

Loss rate: 0.68%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-04-24 08:01:30

End at: 2018-04-24 08:02:00

Local clock offset: -8.427 ms

Remote clock offset: 2.889 ms

Below is generated by plot.py at 2018-04-24 12:09:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.73 Mbit/s

95th percentile per-packet one-way delay: 95.790 ms

Loss rate: 0.68%

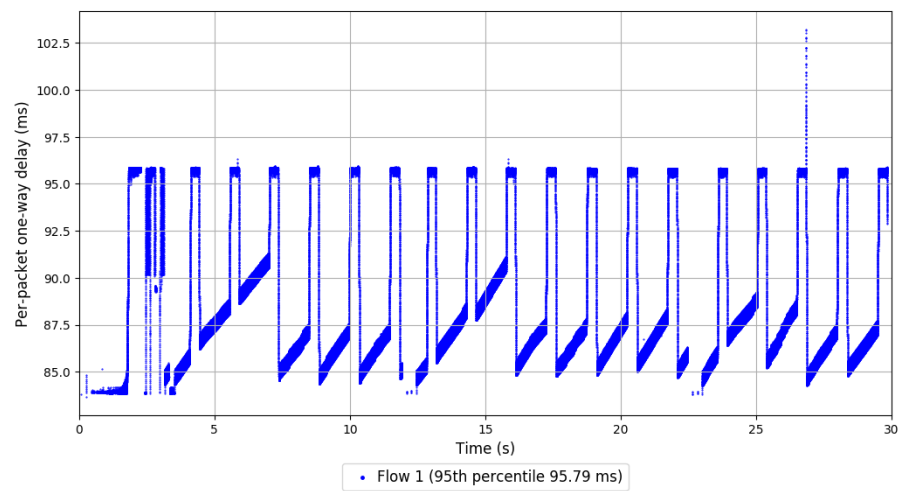
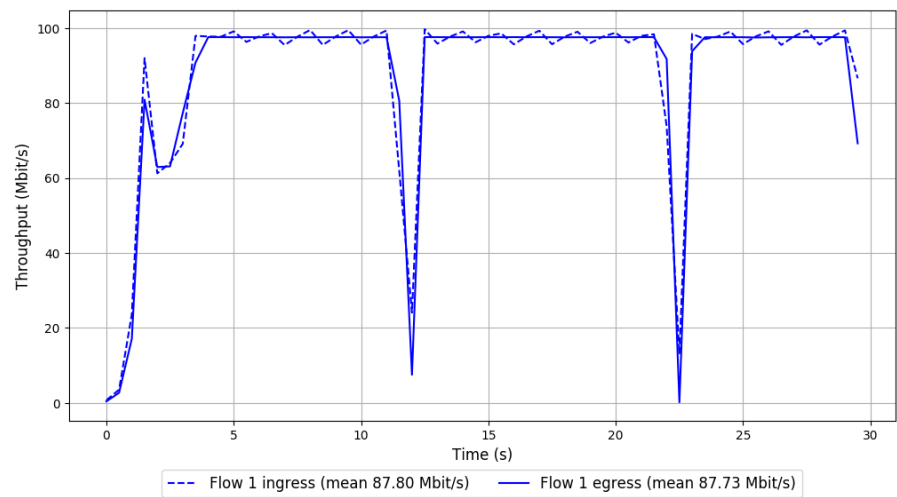
-- Flow 1:

Average throughput: 87.73 Mbit/s

95th percentile per-packet one-way delay: 95.790 ms

Loss rate: 0.68%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-04-24 08:22:21

End at: 2018-04-24 08:22:51

Local clock offset: -8.155 ms

Remote clock offset: 7.543 ms

Below is generated by plot.py at 2018-04-24 12:09:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.28 Mbit/s

95th percentile per-packet one-way delay: 92.189 ms

Loss rate: 0.69%

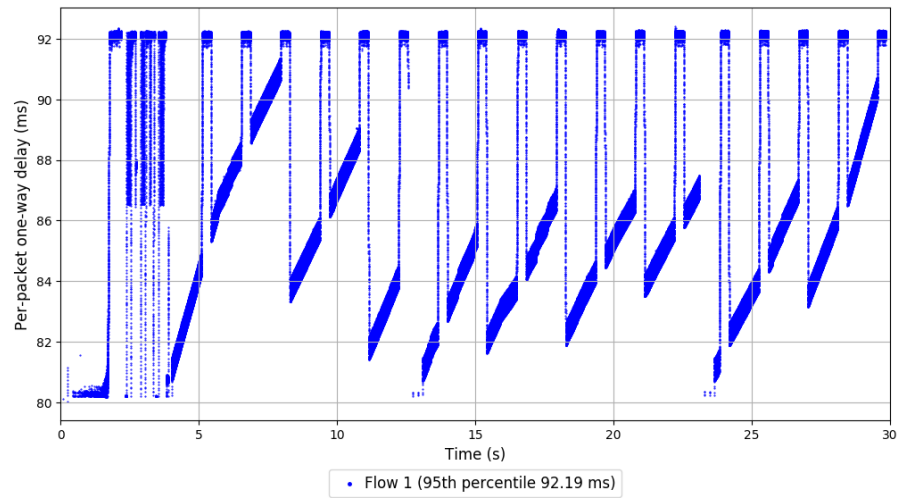
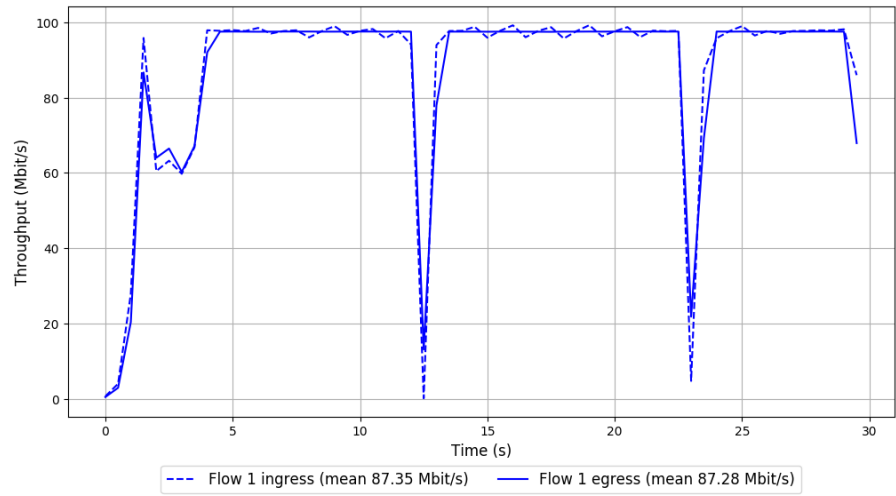
-- Flow 1:

Average throughput: 87.28 Mbit/s

95th percentile per-packet one-way delay: 92.189 ms

Loss rate: 0.69%

Run 10: Report of TCP BBR — Data Link

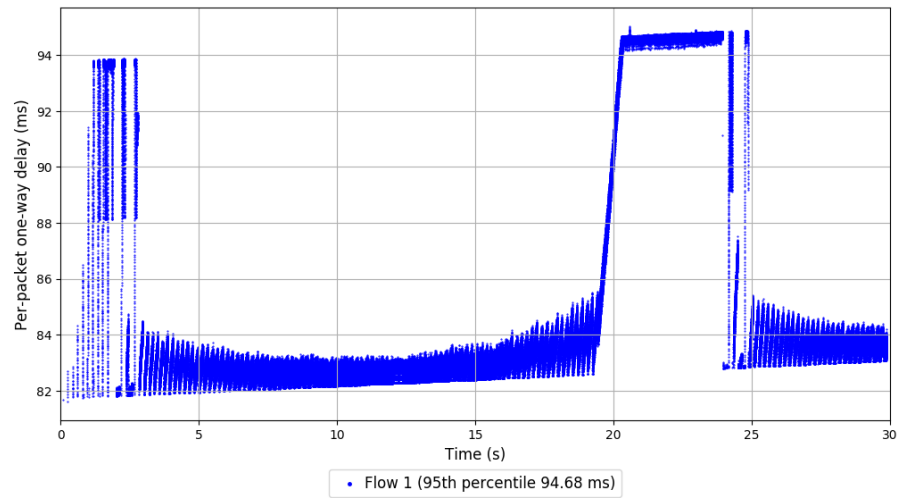
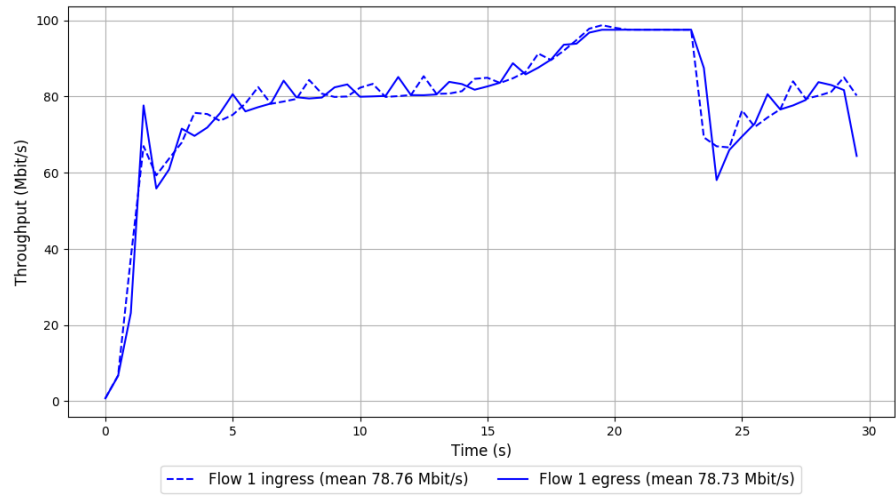


Run 1: Statistics of TCP Cubic

Start at: 2018-04-24 05:19:10
End at: 2018-04-24 05:19:40
Local clock offset: -26.789 ms
Remote clock offset: 6.832 ms

Below is generated by plot.py at 2018-04-24 12:09:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.73 Mbit/s
95th percentile per-packet one-way delay: 94.681 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 78.73 Mbit/s
95th percentile per-packet one-way delay: 94.681 ms
Loss rate: 0.64%

Run 1: Report of TCP Cubic — Data Link

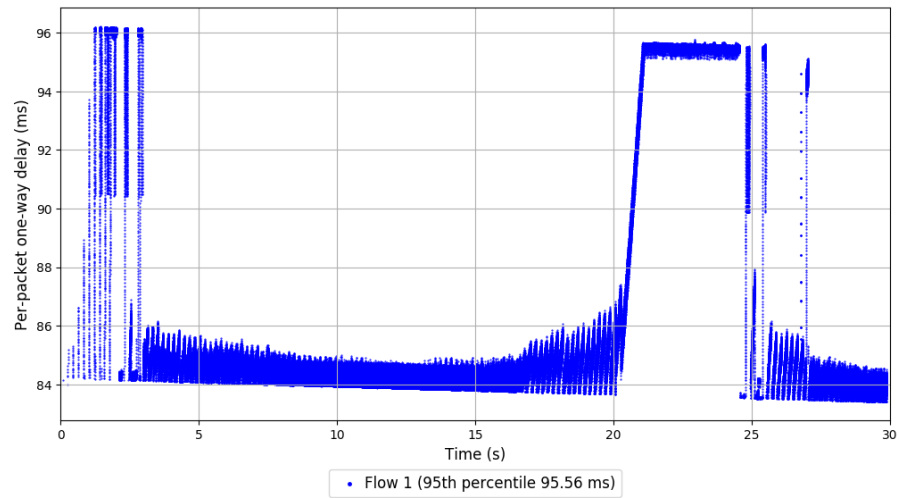
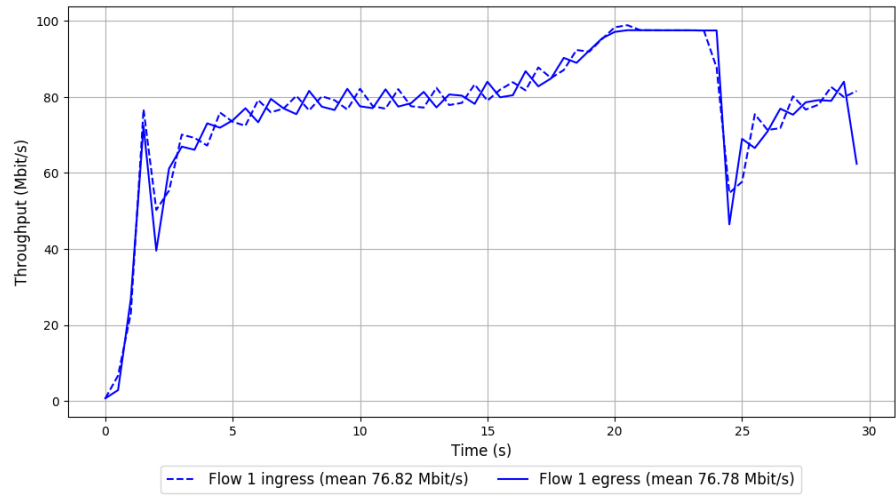


Run 2: Statistics of TCP Cubic

Start at: 2018-04-24 05:40:03
End at: 2018-04-24 05:40:33
Local clock offset: -39.491 ms
Remote clock offset: 3.824 ms

Below is generated by plot.py at 2018-04-24 12:09:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.78 Mbit/s
95th percentile per-packet one-way delay: 95.557 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 76.78 Mbit/s
95th percentile per-packet one-way delay: 95.557 ms
Loss rate: 0.66%

Run 2: Report of TCP Cubic — Data Link

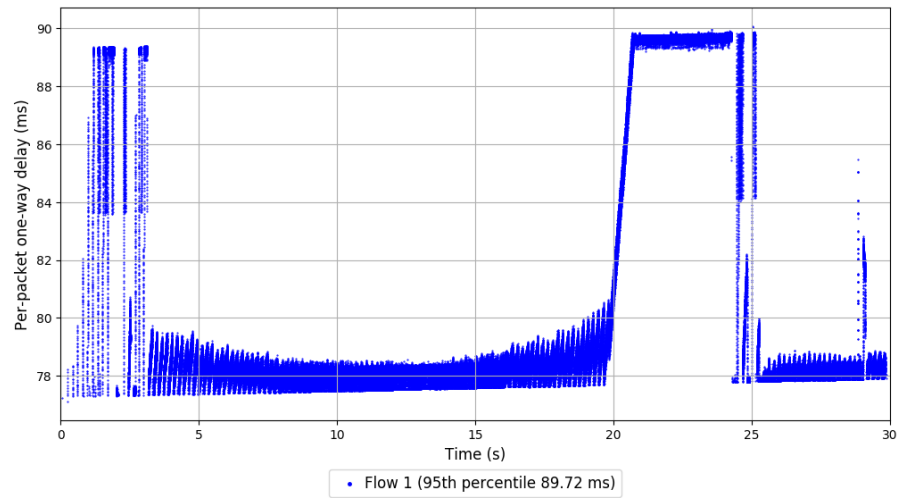
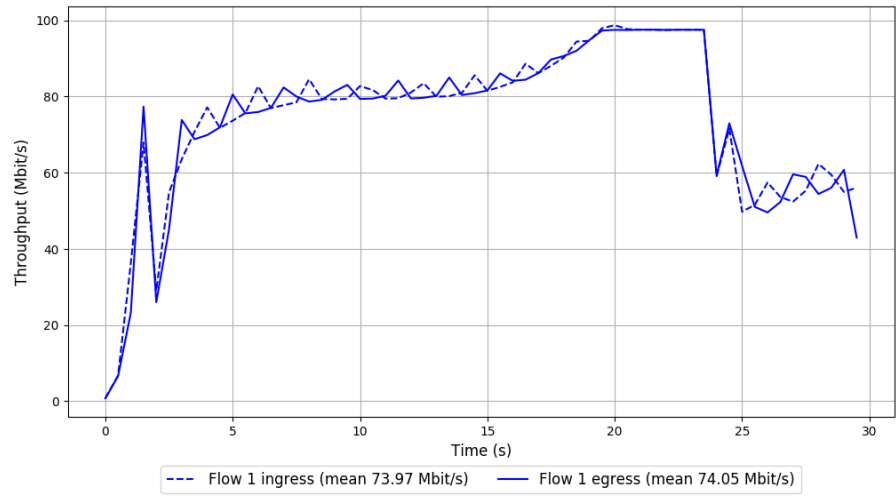


Run 3: Statistics of TCP Cubic

Start at: 2018-04-24 06:00:54
End at: 2018-04-24 06:01:24
Local clock offset: -46.729 ms
Remote clock offset: 8.119 ms

Below is generated by plot.py at 2018-04-24 12:09:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.05 Mbit/s
95th percentile per-packet one-way delay: 89.716 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 74.05 Mbit/s
95th percentile per-packet one-way delay: 89.716 ms
Loss rate: 0.49%

Run 3: Report of TCP Cubic — Data Link

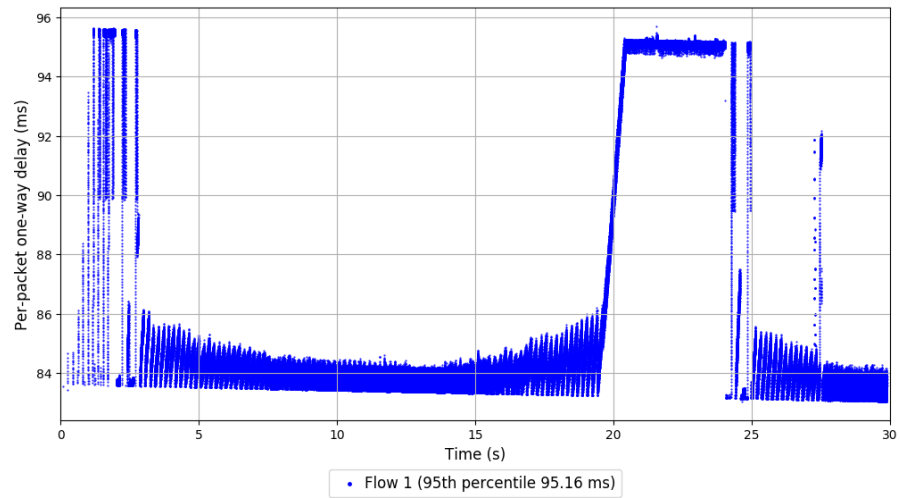
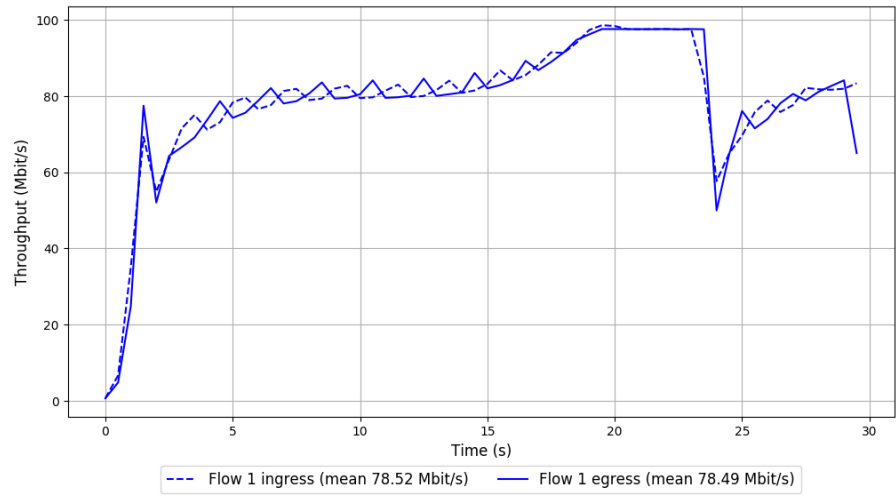


Run 4: Statistics of TCP Cubic

Start at: 2018-04-24 06:22:00
End at: 2018-04-24 06:22:30
Local clock offset: -33.072 ms
Remote clock offset: 2.023 ms

Below is generated by plot.py at 2018-04-24 12:09:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.49 Mbit/s
95th percentile per-packet one-way delay: 95.160 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 78.49 Mbit/s
95th percentile per-packet one-way delay: 95.160 ms
Loss rate: 0.64%

Run 4: Report of TCP Cubic — Data Link

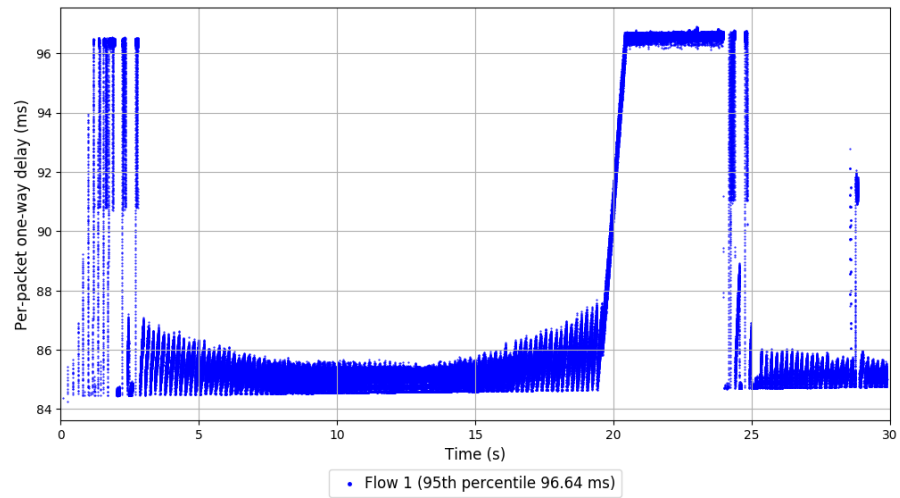
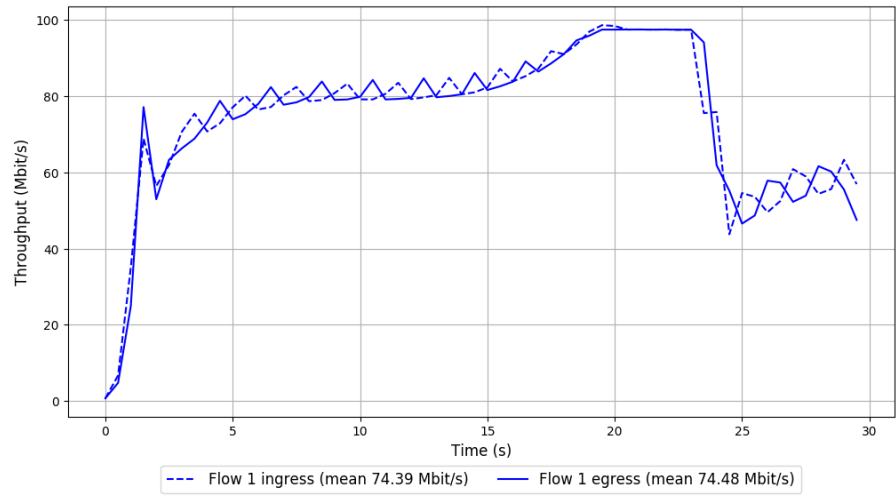


Run 5: Statistics of TCP Cubic

Start at: 2018-04-24 06:42:53
End at: 2018-04-24 06:43:23
Local clock offset: -33.412 ms
Remote clock offset: 1.99 ms

Below is generated by plot.py at 2018-04-24 12:09:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.48 Mbit/s
95th percentile per-packet one-way delay: 96.641 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 74.48 Mbit/s
95th percentile per-packet one-way delay: 96.641 ms
Loss rate: 0.48%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-04-24 07:03:44

End at: 2018-04-24 07:04:14

Local clock offset: -2.694 ms

Remote clock offset: 2.035 ms

Below is generated by plot.py at 2018-04-24 12:09:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.11 Mbit/s

95th percentile per-packet one-way delay: 94.746 ms

Loss rate: 0.63%

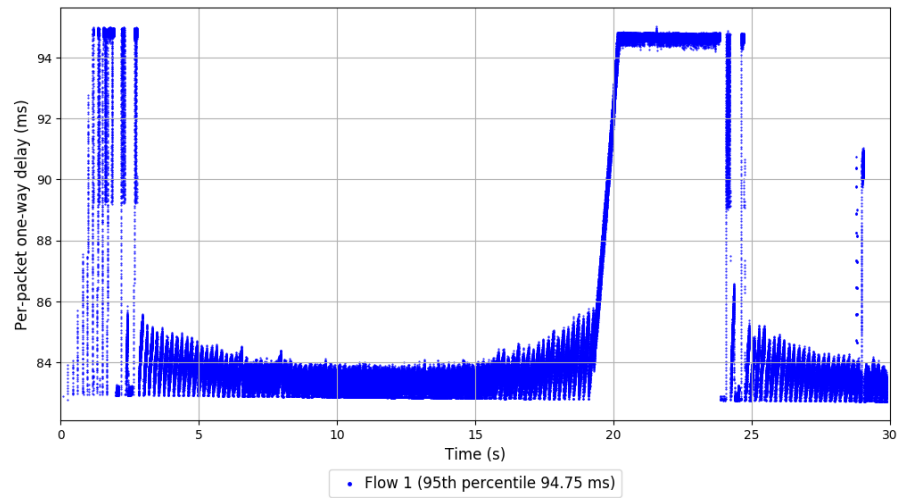
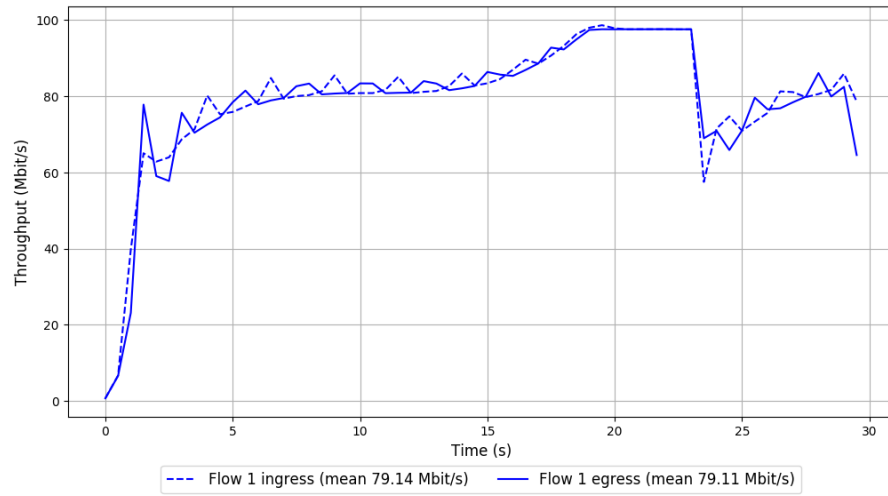
-- Flow 1:

Average throughput: 79.11 Mbit/s

95th percentile per-packet one-way delay: 94.746 ms

Loss rate: 0.63%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-04-24 07:24:37

End at: 2018-04-24 07:25:07

Local clock offset: -1.621 ms

Remote clock offset: 3.888 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.85 Mbit/s

95th percentile per-packet one-way delay: 95.126 ms

Loss rate: 0.48%

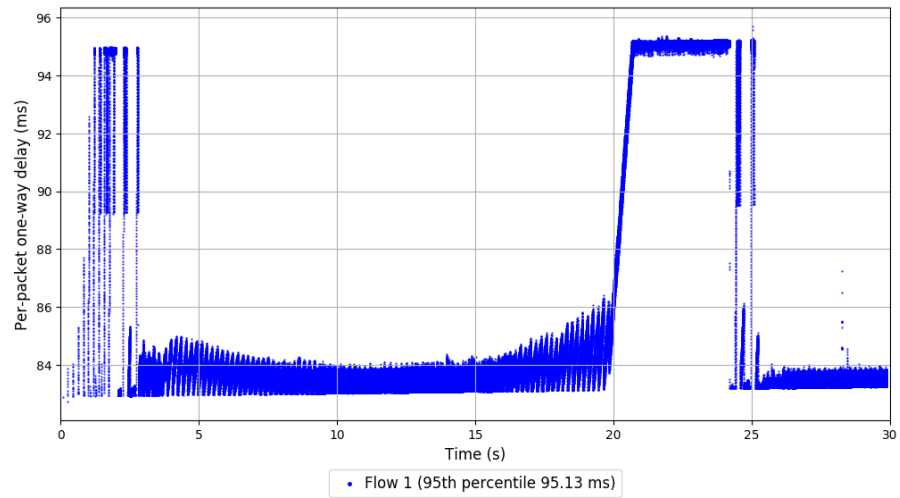
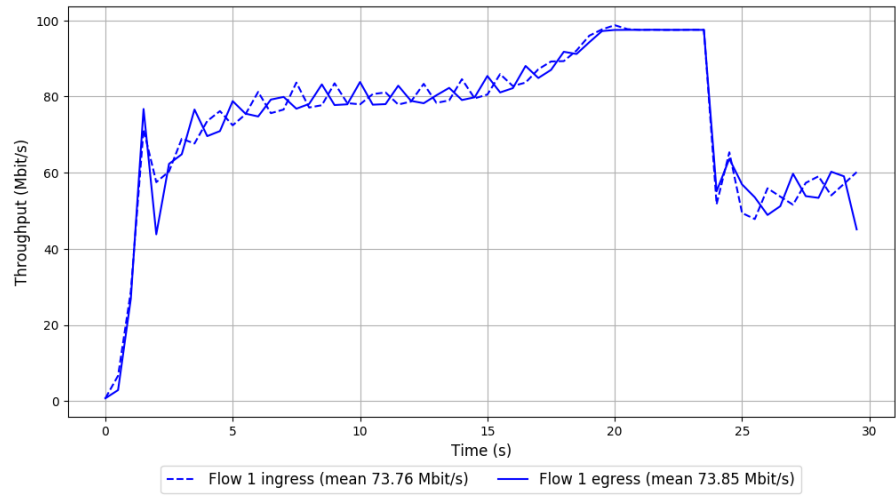
-- Flow 1:

Average throughput: 73.85 Mbit/s

95th percentile per-packet one-way delay: 95.126 ms

Loss rate: 0.48%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-04-24 07:45:29

End at: 2018-04-24 07:45:59

Local clock offset: -9.38 ms

Remote clock offset: 7.987 ms

Below is generated by plot.py at 2018-04-24 12:10:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.55 Mbit/s

95th percentile per-packet one-way delay: 89.642 ms

Loss rate: 0.65%

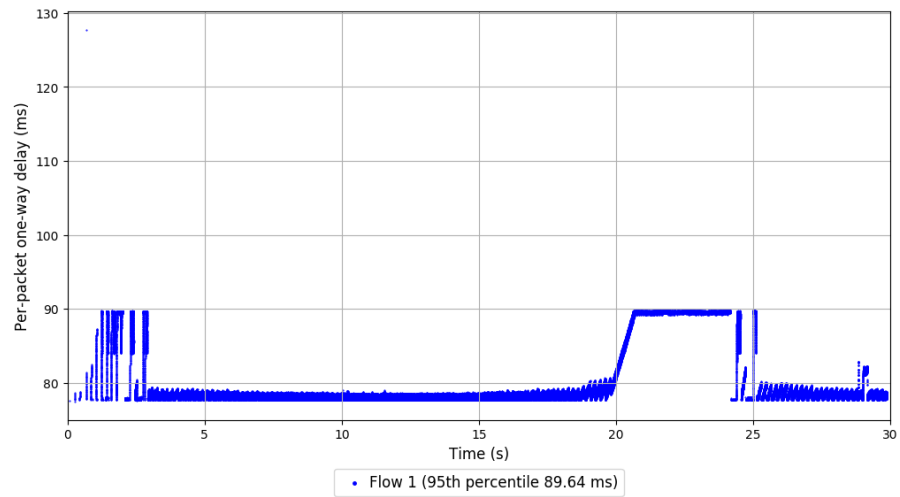
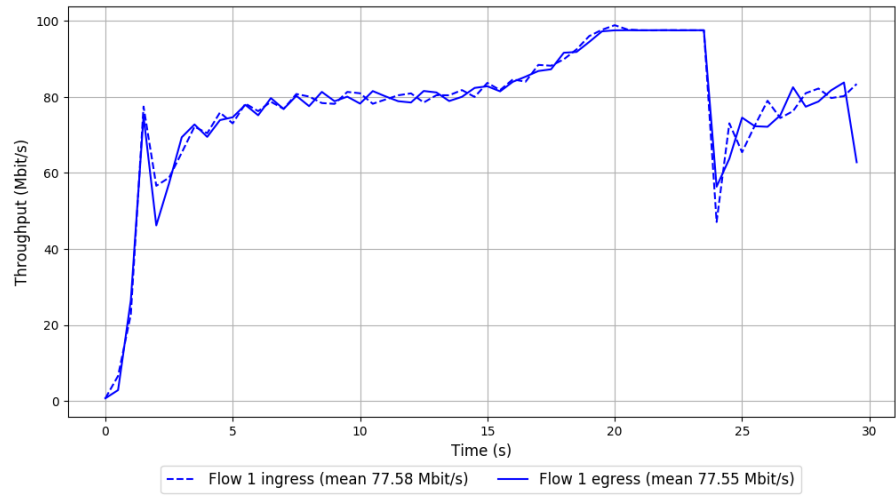
-- Flow 1:

Average throughput: 77.55 Mbit/s

95th percentile per-packet one-way delay: 89.642 ms

Loss rate: 0.65%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-04-24 08:06:22

End at: 2018-04-24 08:06:52

Local clock offset: -7.959 ms

Remote clock offset: 5.834 ms

Below is generated by plot.py at 2018-04-24 12:10:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.05 Mbit/s

95th percentile per-packet one-way delay: 93.154 ms

Loss rate: 0.64%

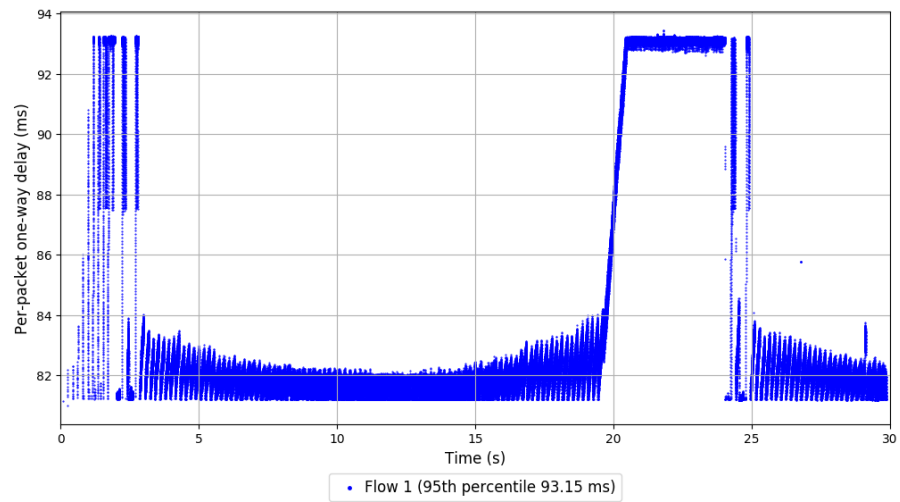
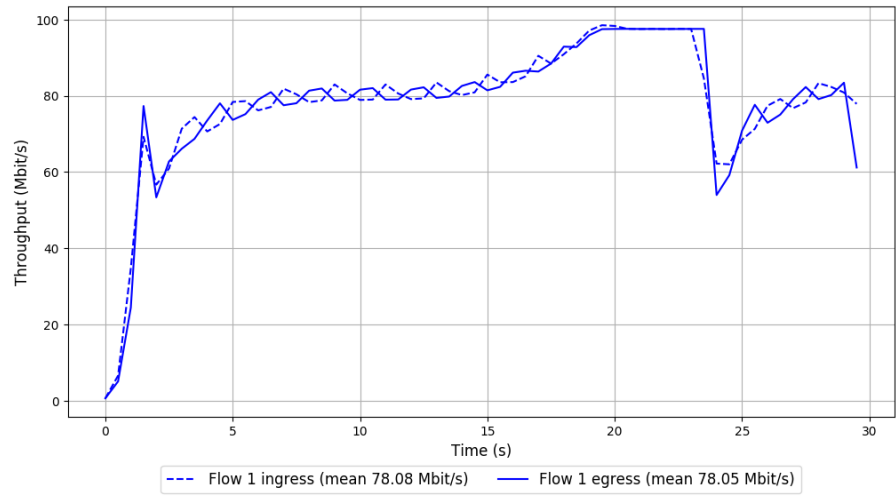
-- Flow 1:

Average throughput: 78.05 Mbit/s

95th percentile per-packet one-way delay: 93.154 ms

Loss rate: 0.64%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-04-24 08:27:11

End at: 2018-04-24 08:27:41

Local clock offset: -7.605 ms

Remote clock offset: 6.883 ms

Below is generated by plot.py at 2018-04-24 12:10:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.91 Mbit/s

95th percentile per-packet one-way delay: 91.856 ms

Loss rate: 0.66%

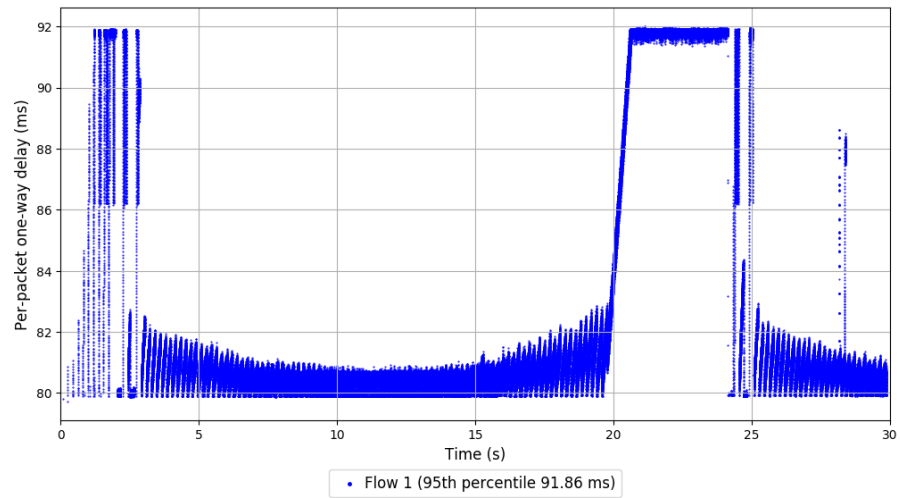
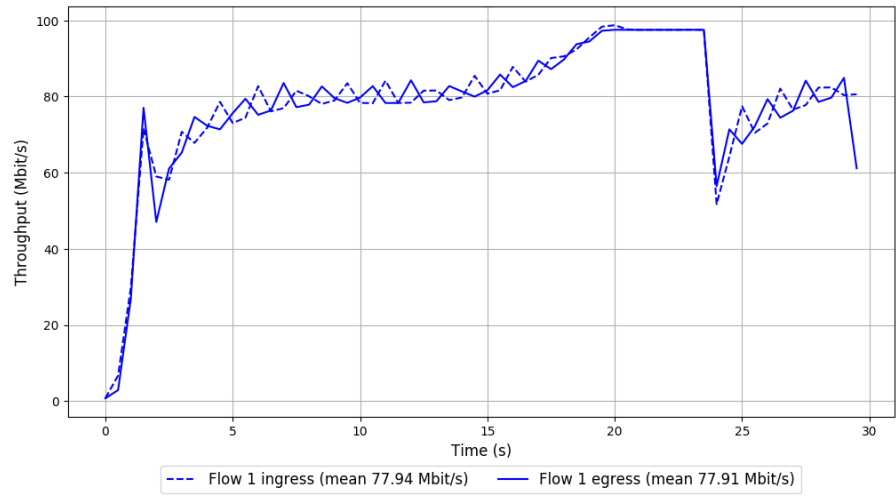
-- Flow 1:

Average throughput: 77.91 Mbit/s

95th percentile per-packet one-way delay: 91.856 ms

Loss rate: 0.66%

Run 10: Report of TCP Cubic — Data Link

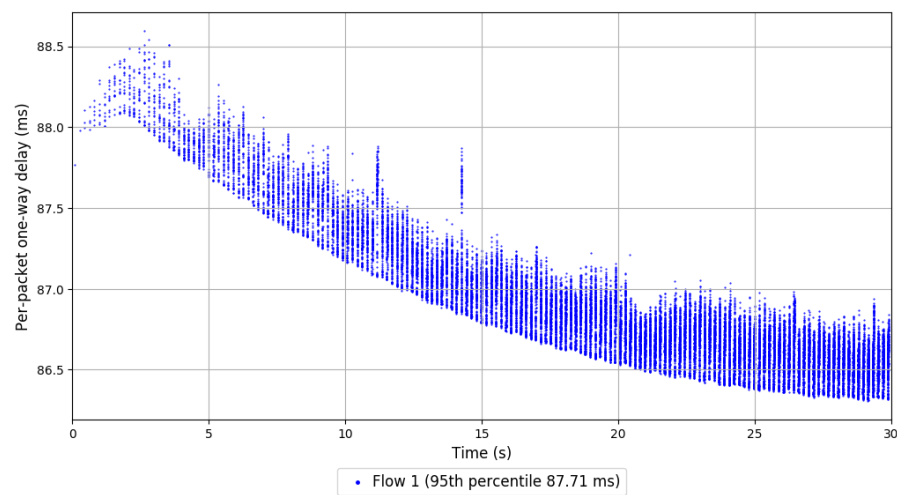
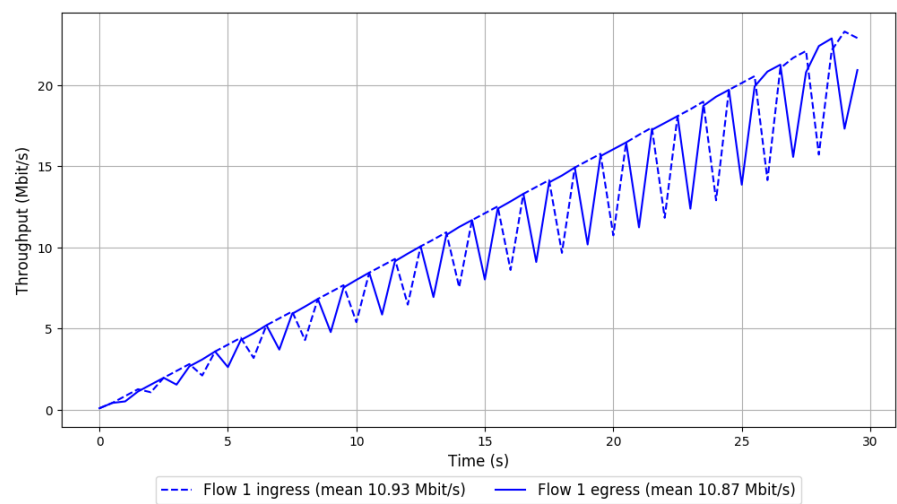


```
Run 1: Statistics of LEDBAT

Start at: 2018-04-24 05:05:41
End at: 2018-04-24 05:06:12
Local clock offset: -9.811 ms
Remote clock offset: 2.766 ms

# Below is generated by plot.py at 2018-04-24 12:10:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.87 Mbit/s
95th percentile per-packet one-way delay: 87.714 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 10.87 Mbit/s
95th percentile per-packet one-way delay: 87.714 ms
Loss rate: 1.21%
```

Run 1: Report of LEDBAT — Data Link

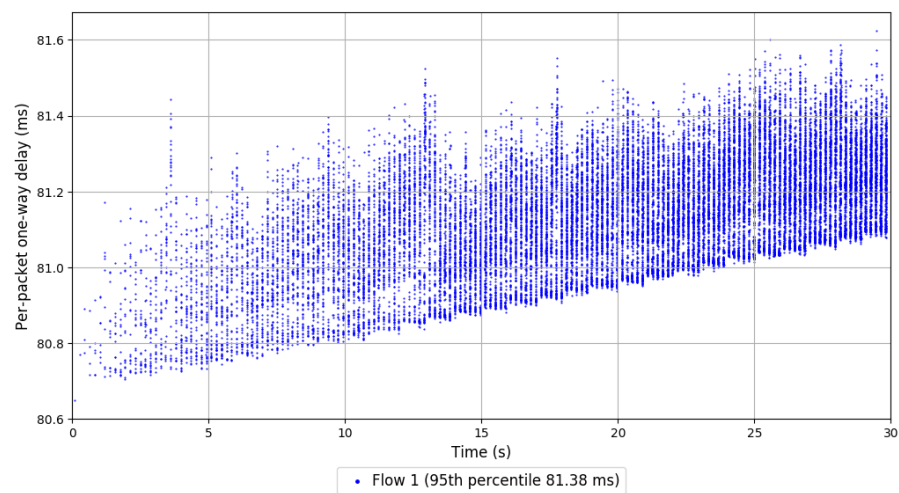
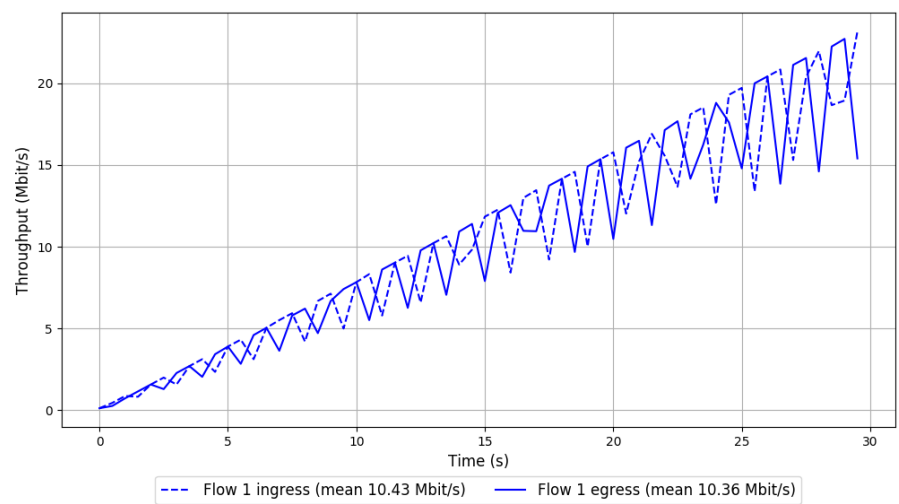


Run 2: Statistics of LEDBAT

Start at: 2018-04-24 05:26:36
End at: 2018-04-24 05:27:06
Local clock offset: -25.064 ms
Remote clock offset: 7.127 ms

Below is generated by plot.py at 2018-04-24 12:10:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.36 Mbit/s
95th percentile per-packet one-way delay: 81.380 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 10.36 Mbit/s
95th percentile per-packet one-way delay: 81.380 ms
Loss rate: 1.24%

Run 2: Report of LEDBAT — Data Link

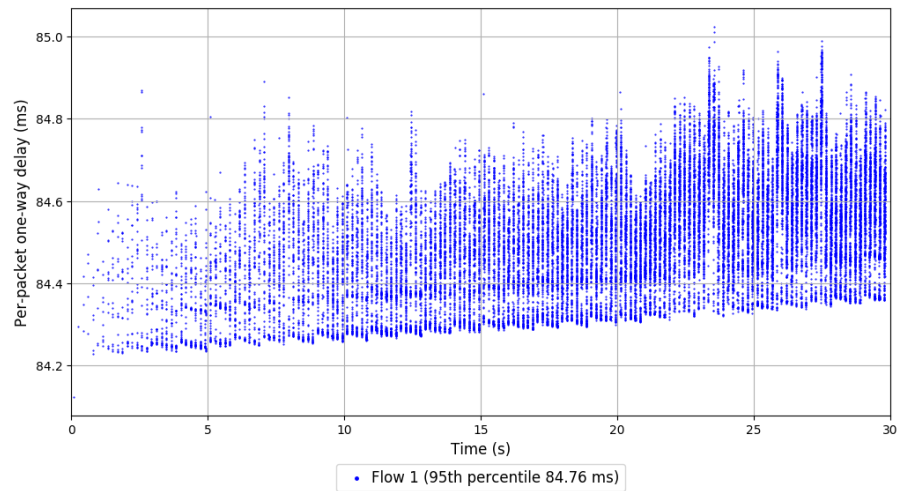
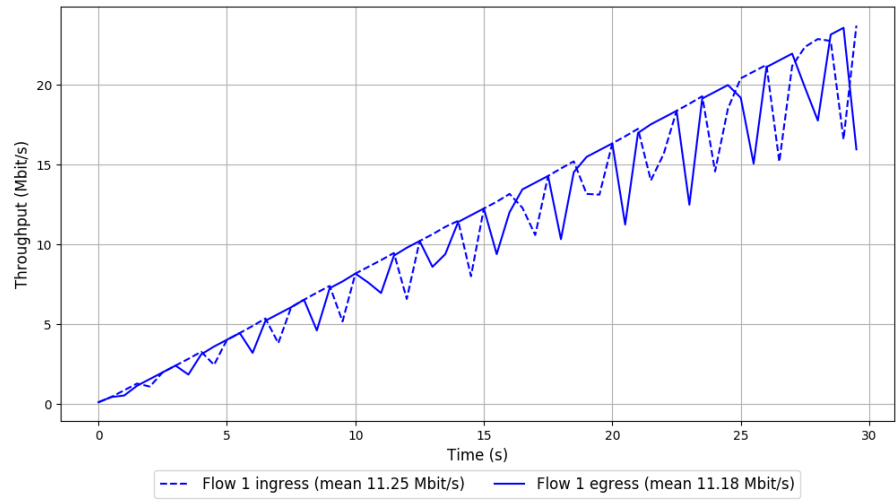


Run 3: Statistics of LEDBAT

Start at: 2018-04-24 05:47:28
End at: 2018-04-24 05:47:58
Local clock offset: -34.883 ms
Remote clock offset: 3.145 ms

Below is generated by plot.py at 2018-04-24 12:10:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.18 Mbit/s
95th percentile per-packet one-way delay: 84.756 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 11.18 Mbit/s
95th percentile per-packet one-way delay: 84.756 ms
Loss rate: 1.20%

Run 3: Report of LEDBAT — Data Link

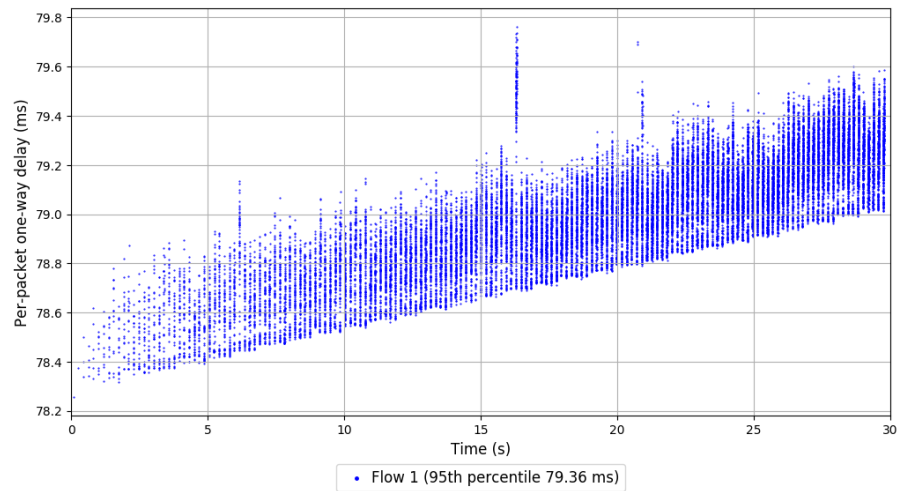
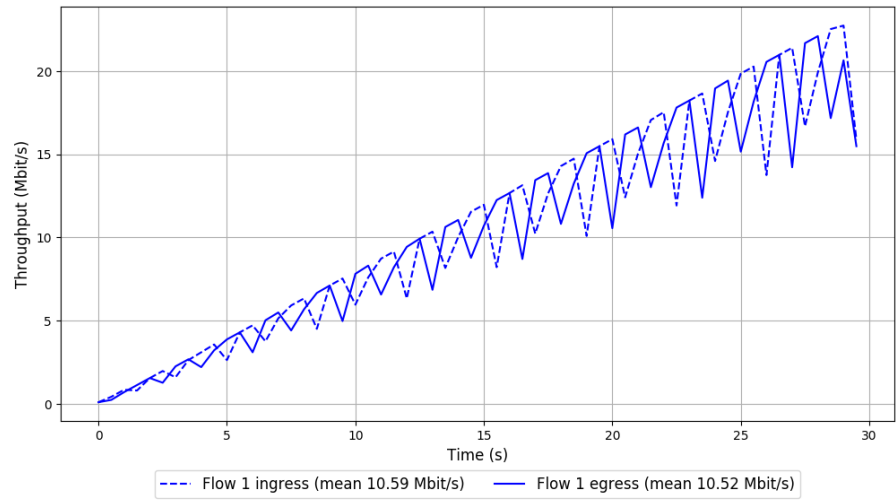


Run 4: Statistics of LEDBAT

Start at: 2018-04-24 06:08:17
End at: 2018-04-24 06:08:47
Local clock offset: -56.462 ms
Remote clock offset: 7.702 ms

Below is generated by plot.py at 2018-04-24 12:10:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.52 Mbit/s
95th percentile per-packet one-way delay: 79.362 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 10.52 Mbit/s
95th percentile per-packet one-way delay: 79.362 ms
Loss rate: 1.24%

Run 4: Report of LEDBAT — Data Link

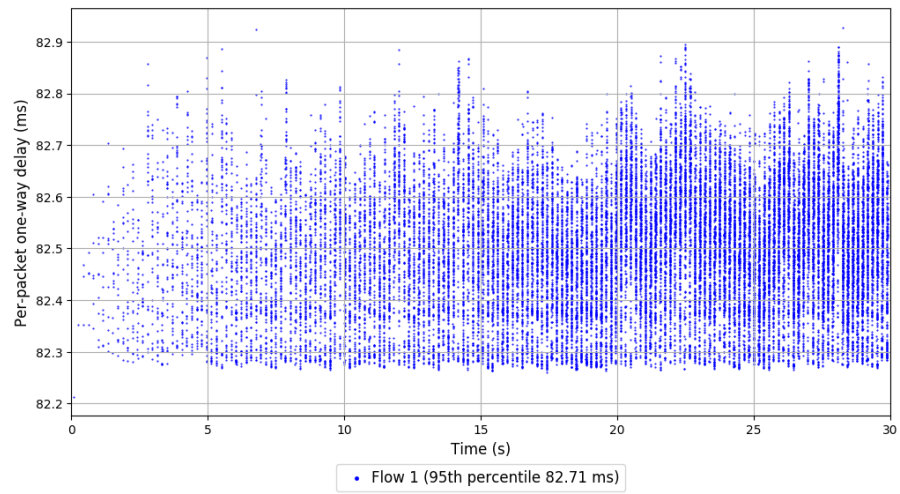
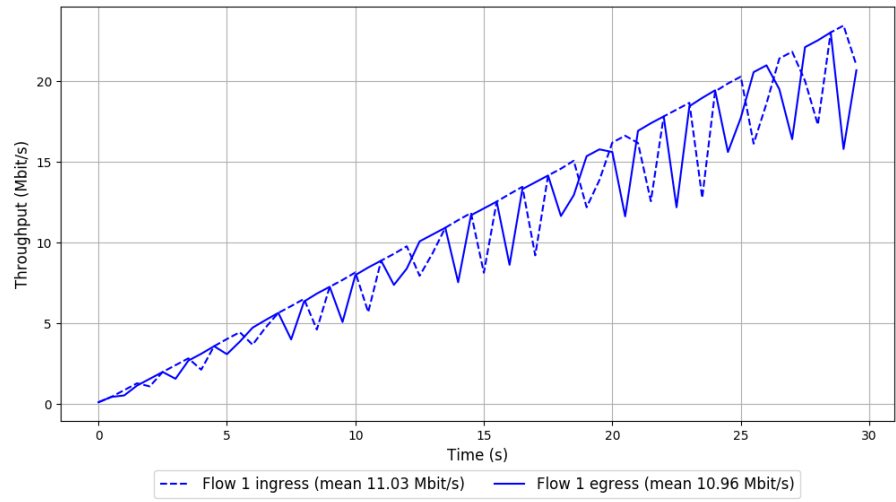


Run 5: Statistics of LEDBAT

Start at: 2018-04-24 06:29:25
End at: 2018-04-24 06:29:56
Local clock offset: -28.435 ms
Remote clock offset: 2.043 ms

Below is generated by plot.py at 2018-04-24 12:10:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.96 Mbit/s
95th percentile per-packet one-way delay: 82.708 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 10.96 Mbit/s
95th percentile per-packet one-way delay: 82.708 ms
Loss rate: 1.20%

Run 5: Report of LEDBAT — Data Link

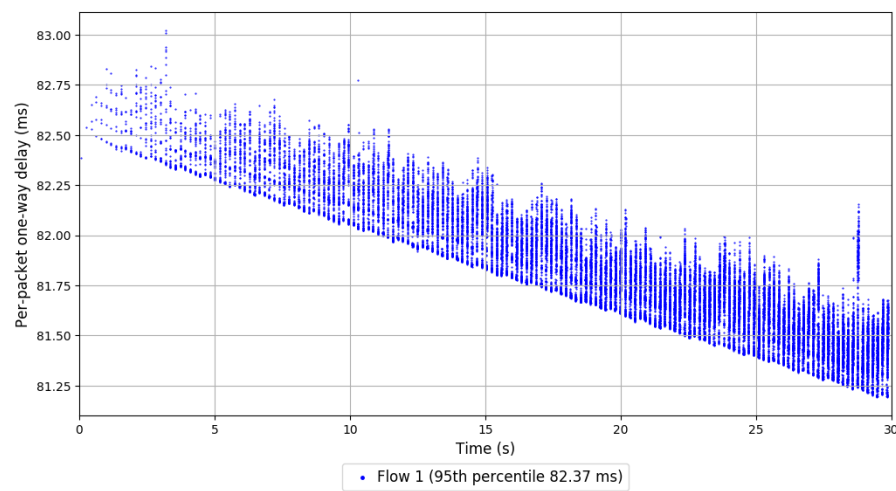
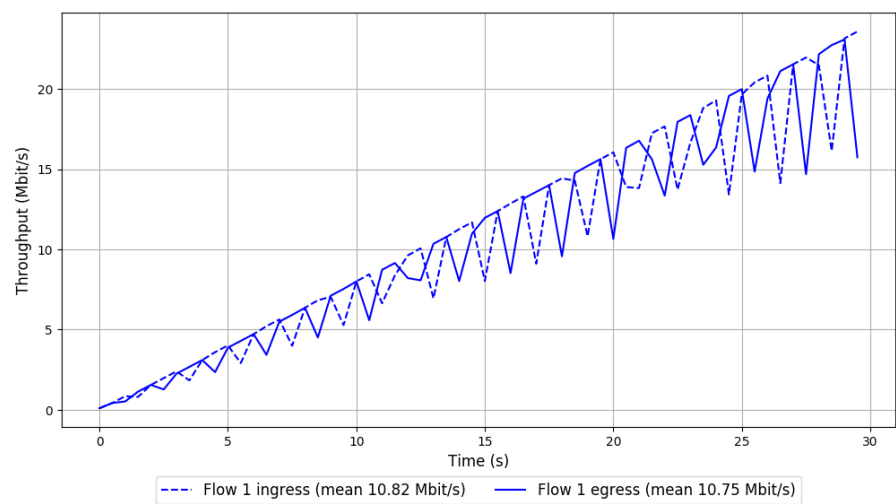


Run 6: Statistics of LEDBAT

Start at: 2018-04-24 06:50:18
End at: 2018-04-24 06:50:48
Local clock offset: -21.656 ms
Remote clock offset: 2.78 ms

Below is generated by plot.py at 2018-04-24 12:10:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.75 Mbit/s
95th percentile per-packet one-way delay: 82.367 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 10.75 Mbit/s
95th percentile per-packet one-way delay: 82.367 ms
Loss rate: 1.22%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-04-24 07:11:12

End at: 2018-04-24 07:11:42

Local clock offset: 1.149 ms

Remote clock offset: 3.451 ms

Below is generated by plot.py at 2018-04-24 12:10:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.49 Mbit/s

95th percentile per-packet one-way delay: 82.973 ms

Loss rate: 1.23%

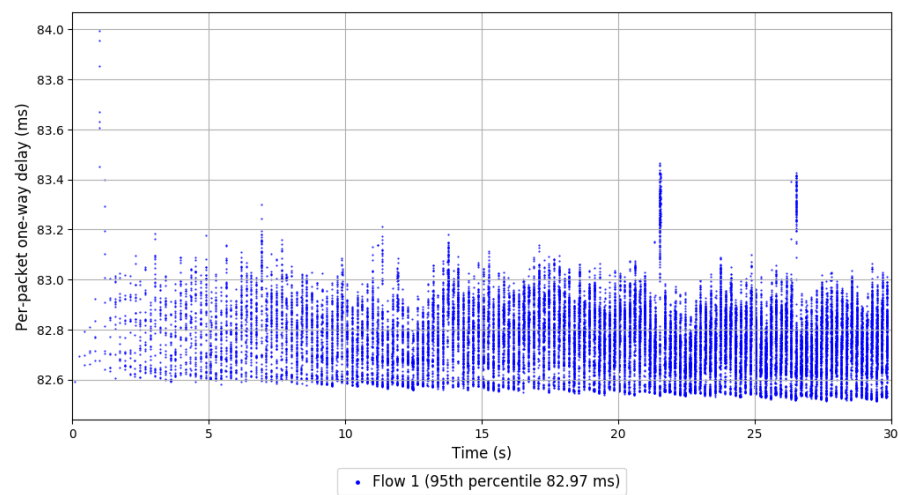
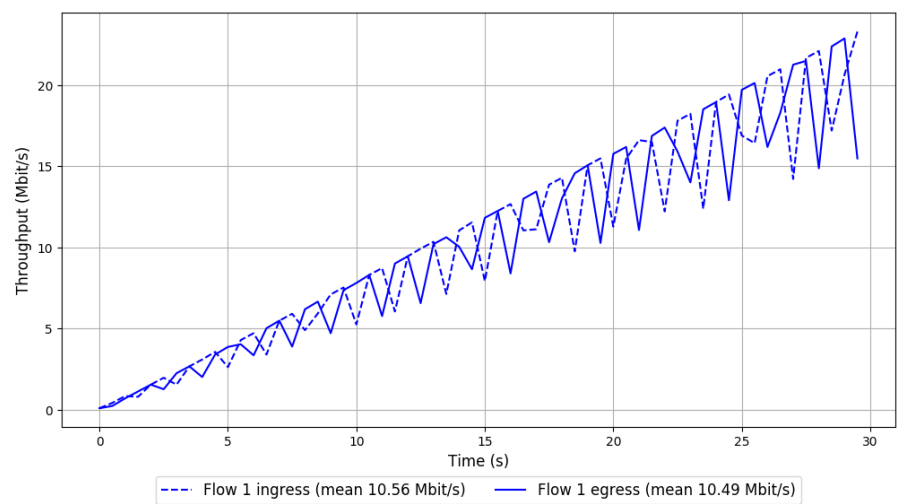
-- Flow 1:

Average throughput: 10.49 Mbit/s

95th percentile per-packet one-way delay: 82.973 ms

Loss rate: 1.23%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-04-24 07:32:01

End at: 2018-04-24 07:32:31

Local clock offset: -5.414 ms

Remote clock offset: 4.009 ms

Below is generated by plot.py at 2018-04-24 12:10:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.88 Mbit/s

95th percentile per-packet one-way delay: 84.613 ms

Loss rate: 1.21%

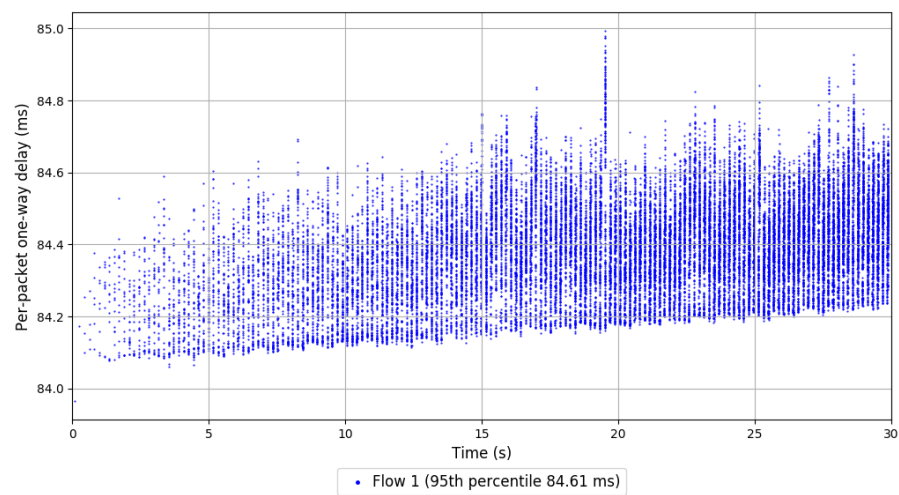
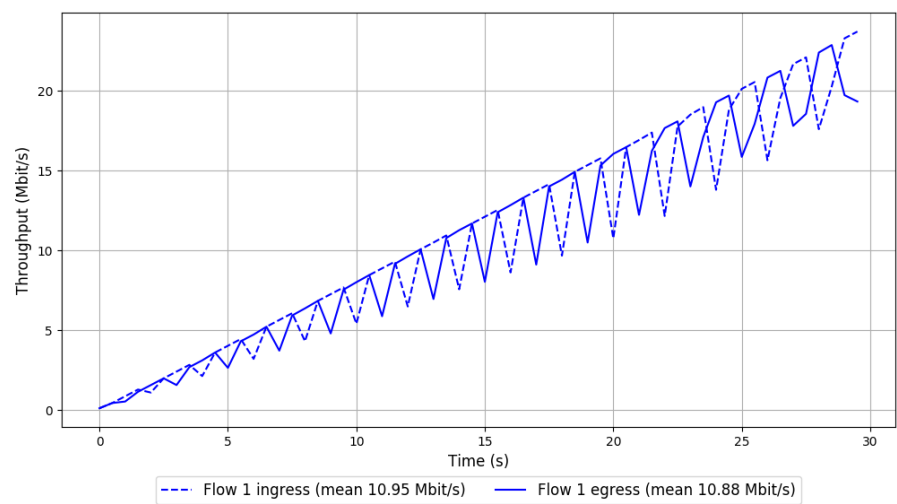
-- Flow 1:

Average throughput: 10.88 Mbit/s

95th percentile per-packet one-way delay: 84.613 ms

Loss rate: 1.21%

Run 8: Report of LEDBAT — Data Link

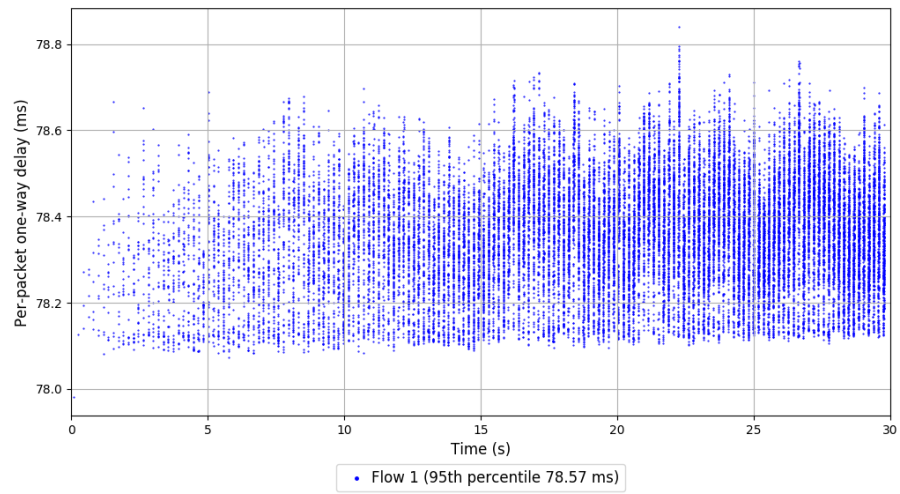
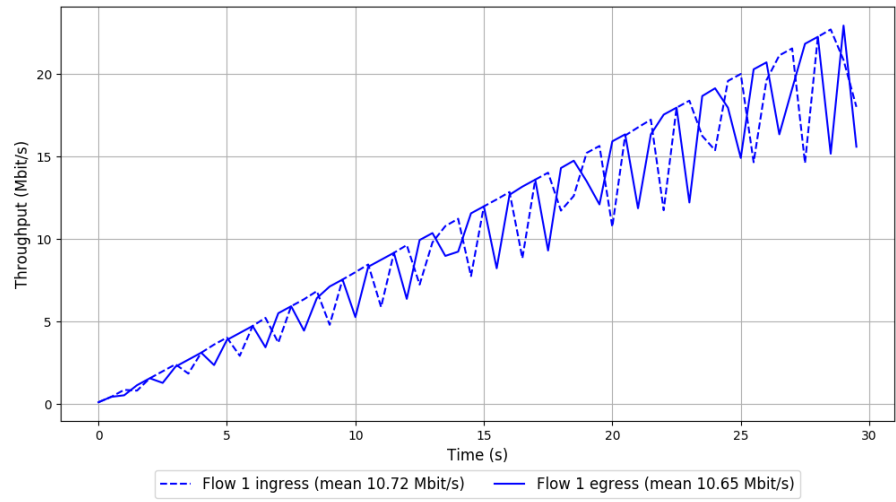


Run 9: Statistics of LEDBAT

Start at: 2018-04-24 07:52:54
End at: 2018-04-24 07:53:24
Local clock offset: -10.471 ms
Remote clock offset: 7.664 ms

Below is generated by plot.py at 2018-04-24 12:10:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.65 Mbit/s
95th percentile per-packet one-way delay: 78.568 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 10.65 Mbit/s
95th percentile per-packet one-way delay: 78.568 ms
Loss rate: 1.23%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-04-24 08:13:46

End at: 2018-04-24 08:14:16

Local clock offset: -7.149 ms

Remote clock offset: 6.051 ms

Below is generated by plot.py at 2018-04-24 12:10:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.96 Mbit/s

95th percentile per-packet one-way delay: 81.487 ms

Loss rate: 1.20%

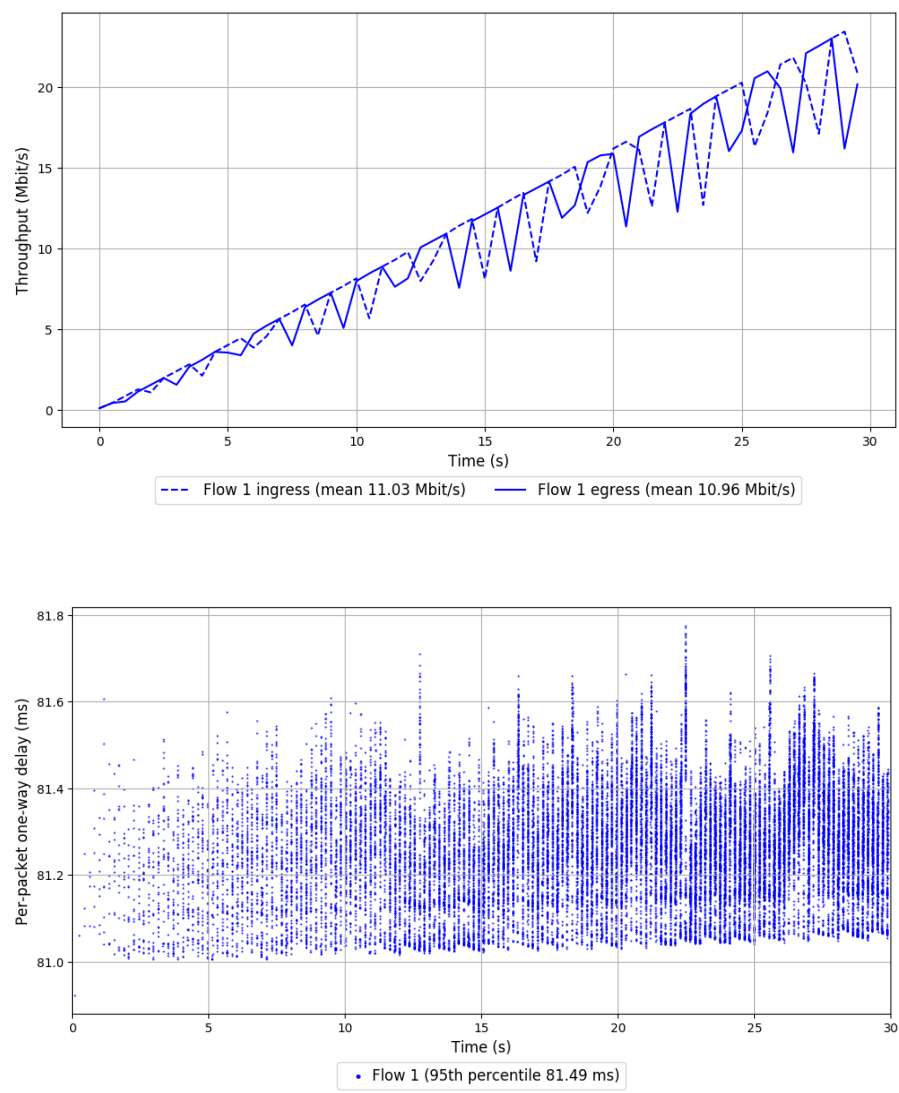
-- Flow 1:

Average throughput: 10.96 Mbit/s

95th percentile per-packet one-way delay: 81.487 ms

Loss rate: 1.20%

Run 10: Report of LEDBAT — Data Link

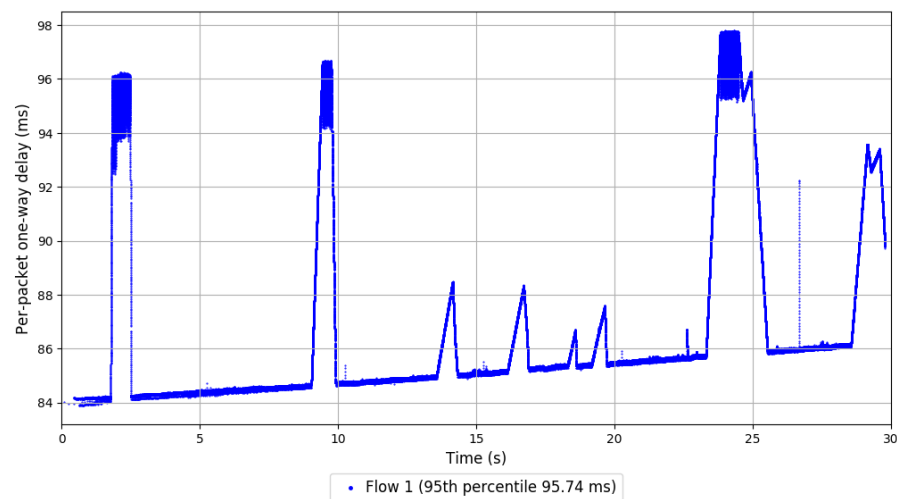
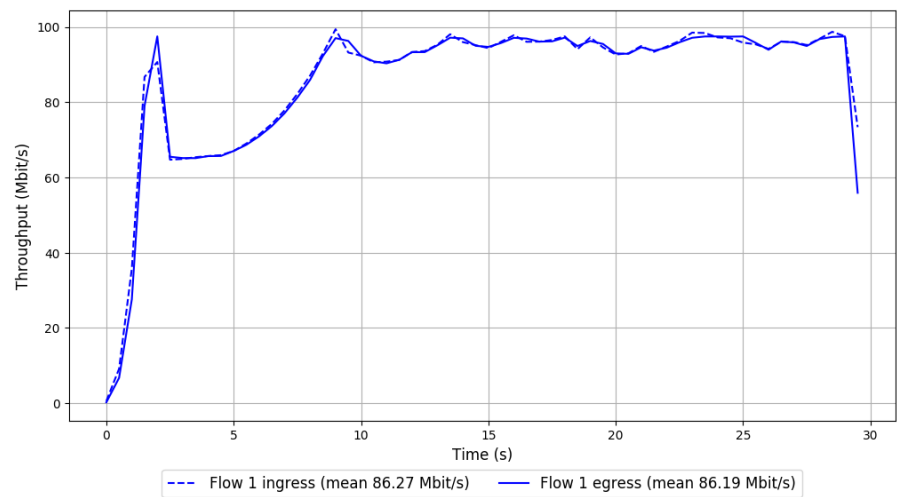


Run 1: Statistics of PCC-Allegro

Start at: 2018-04-24 05:06:53
End at: 2018-04-24 05:07:23
Local clock offset: -12.478 ms
Remote clock offset: 1.945 ms

Below is generated by plot.py at 2018-04-24 12:11:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.19 Mbit/s
95th percentile per-packet one-way delay: 95.737 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 86.19 Mbit/s
95th percentile per-packet one-way delay: 95.737 ms
Loss rate: 0.69%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-04-24 05:27:47

End at: 2018-04-24 05:28:17

Local clock offset: -27.415 ms

Remote clock offset: 2.644 ms

Below is generated by plot.py at 2018-04-24 12:11:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.37 Mbit/s

95th percentile per-packet one-way delay: 94.131 ms

Loss rate: 0.68%

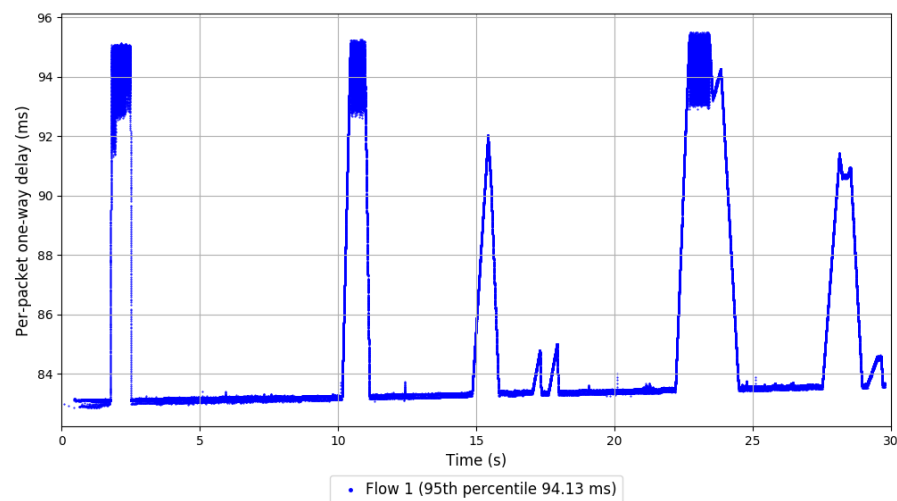
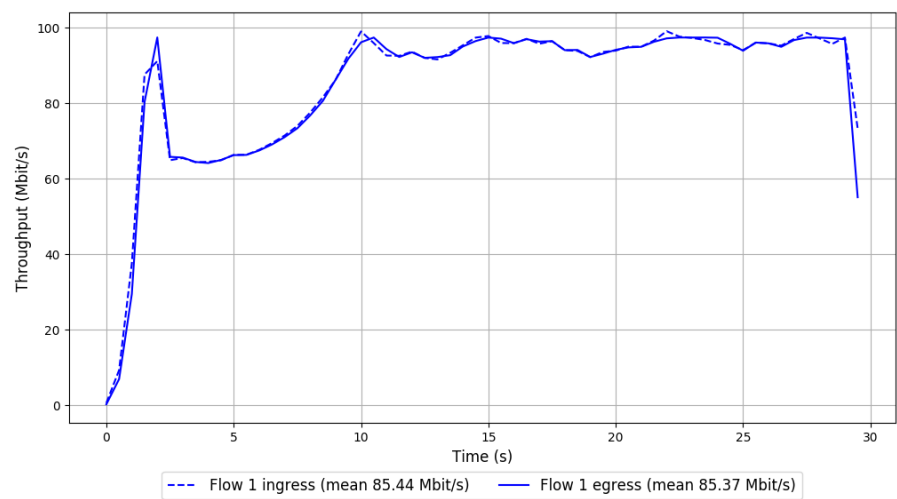
-- Flow 1:

Average throughput: 85.37 Mbit/s

95th percentile per-packet one-way delay: 94.131 ms

Loss rate: 0.68%

Run 2: Report of PCC-Allegro — Data Link

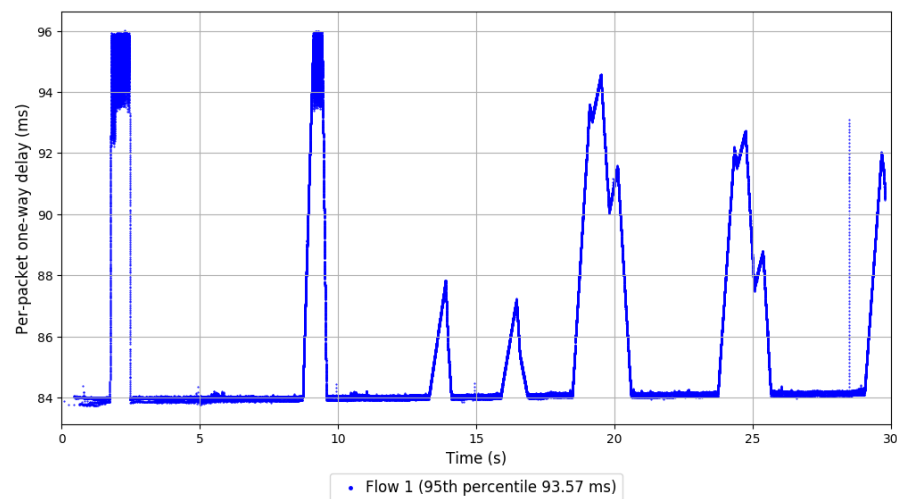
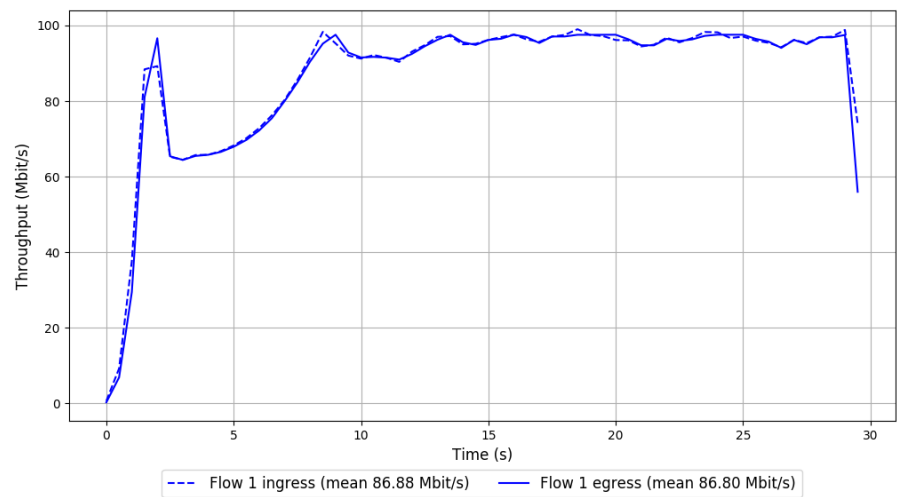


Run 3: Statistics of PCC-Allegro

Start at: 2018-04-24 05:48:39
End at: 2018-04-24 05:49:09
Local clock offset: -34.385 ms
Remote clock offset: 3.203 ms

Below is generated by plot.py at 2018-04-24 12:11:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.80 Mbit/s
95th percentile per-packet one-way delay: 93.573 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 86.80 Mbit/s
95th percentile per-packet one-way delay: 93.573 ms
Loss rate: 0.69%

Run 3: Report of PCC-Allegro — Data Link

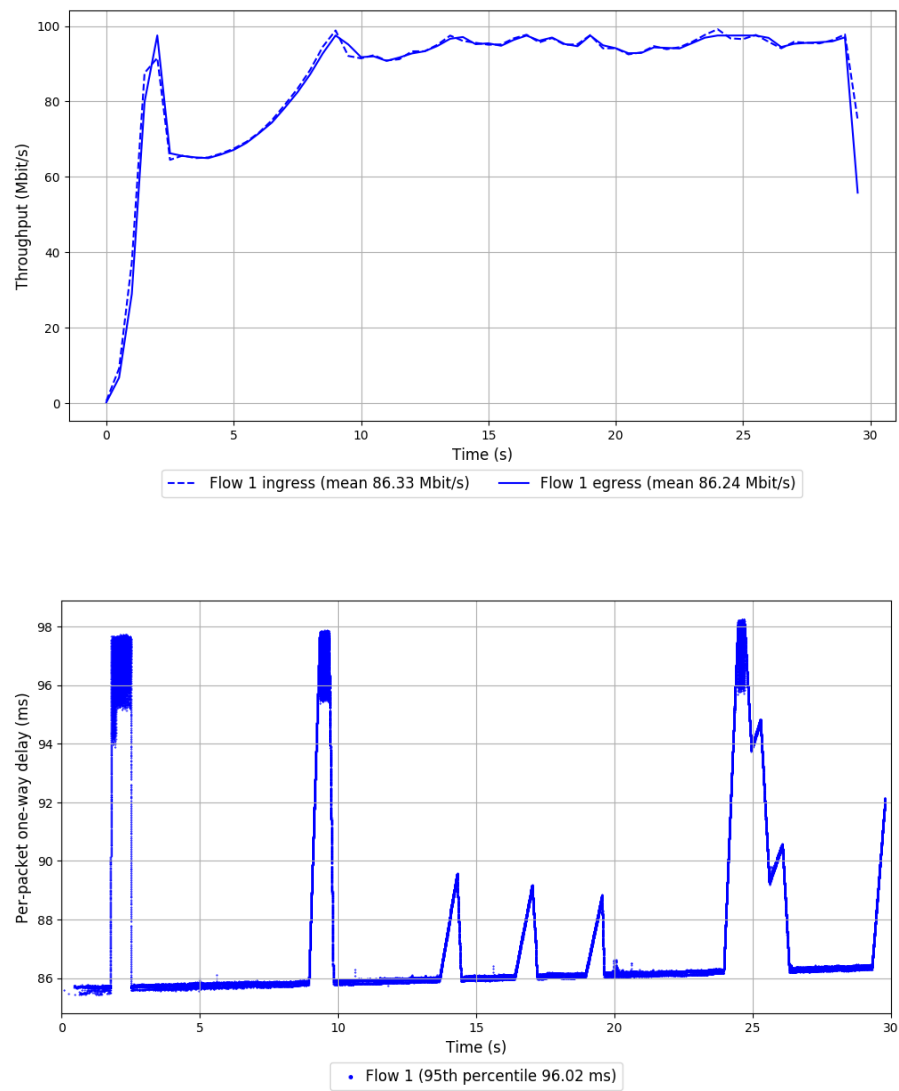


Run 4: Statistics of PCC-Allegro

Start at: 2018-04-24 06:09:28
End at: 2018-04-24 06:09:58
Local clock offset: -58.521 ms
Remote clock offset: 2.189 ms

Below is generated by plot.py at 2018-04-24 12:11:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.24 Mbit/s
95th percentile per-packet one-way delay: 96.019 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 86.24 Mbit/s
95th percentile per-packet one-way delay: 96.019 ms
Loss rate: 0.71%

Run 4: Report of PCC-Allegro — Data Link

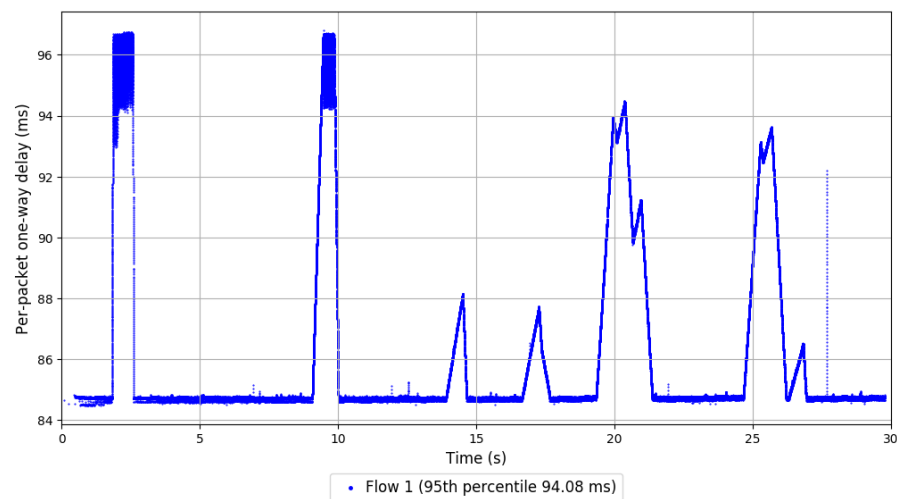
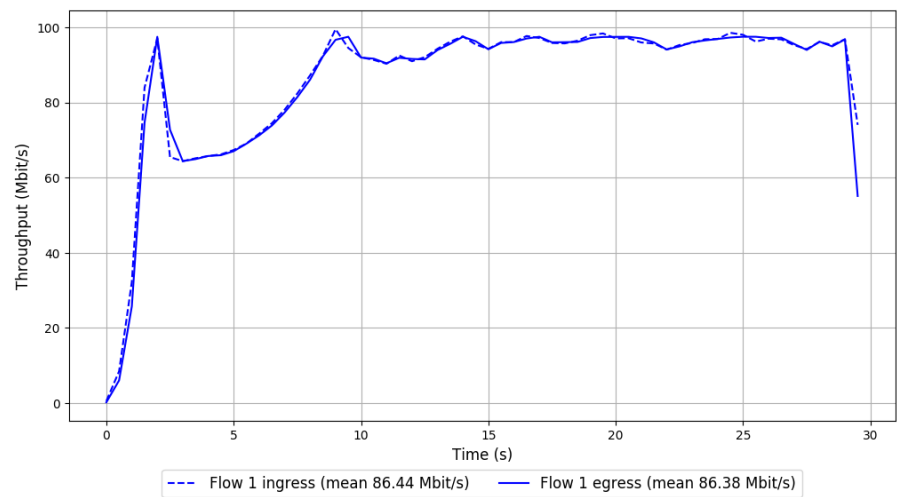


Run 5: Statistics of PCC-Allegro

Start at: 2018-04-24 06:30:37
End at: 2018-04-24 06:31:07
Local clock offset: -27.679 ms
Remote clock offset: 2.809 ms

Below is generated by plot.py at 2018-04-24 12:11:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.38 Mbit/s
95th percentile per-packet one-way delay: 94.076 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 86.38 Mbit/s
95th percentile per-packet one-way delay: 94.076 ms
Loss rate: 0.68%

Run 5: Report of PCC-Allegro — Data Link

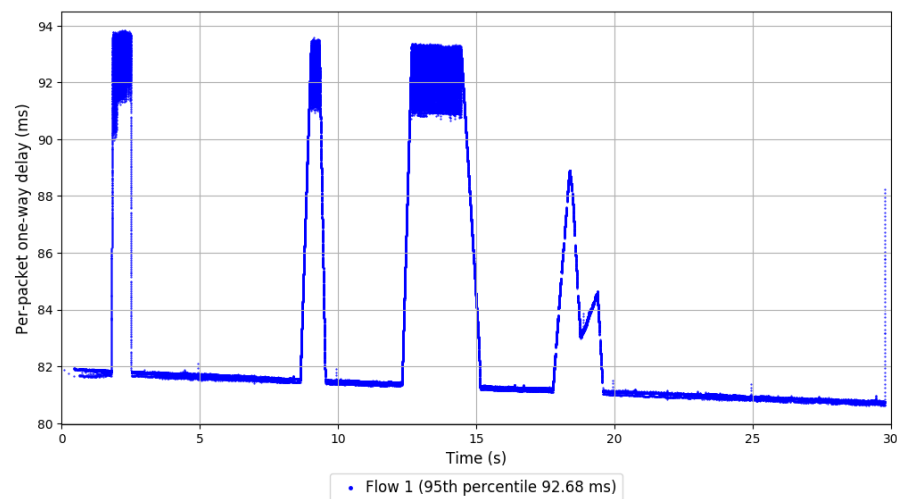
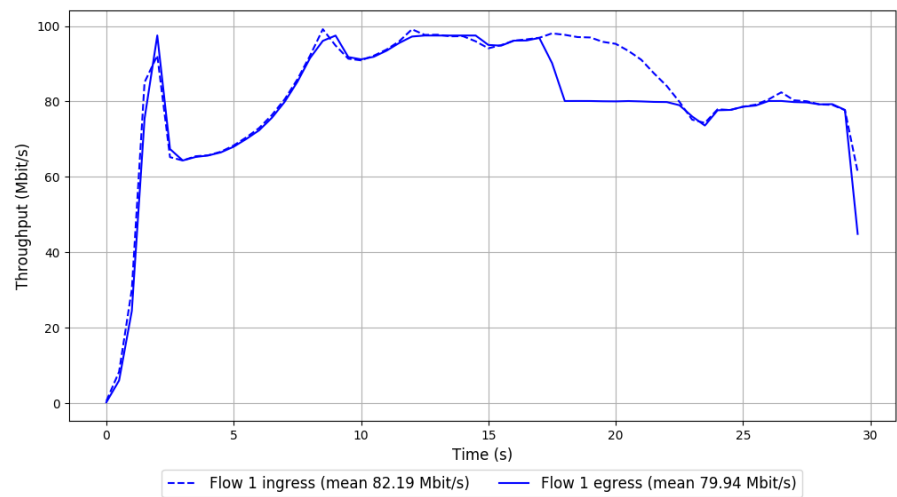


Run 6: Statistics of PCC-Allegro

Start at: 2018-04-24 06:51:29
End at: 2018-04-24 06:51:59
Local clock offset: -18.226 ms
Remote clock offset: 2.781 ms

Below is generated by plot.py at 2018-04-24 12:11:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.94 Mbit/s
95th percentile per-packet one-way delay: 92.678 ms
Loss rate: 3.32%
-- Flow 1:
Average throughput: 79.94 Mbit/s
95th percentile per-packet one-way delay: 92.678 ms
Loss rate: 3.32%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-04-24 07:12:23

End at: 2018-04-24 07:12:53

Local clock offset: 1.442 ms

Remote clock offset: 2.711 ms

Below is generated by plot.py at 2018-04-24 12:11:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.55 Mbit/s

95th percentile per-packet one-way delay: 83.606 ms

Loss rate: 1.72%

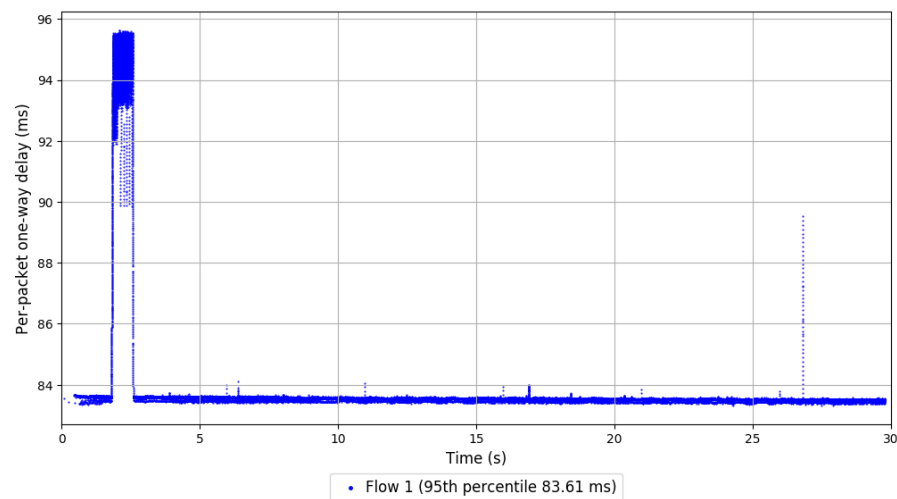
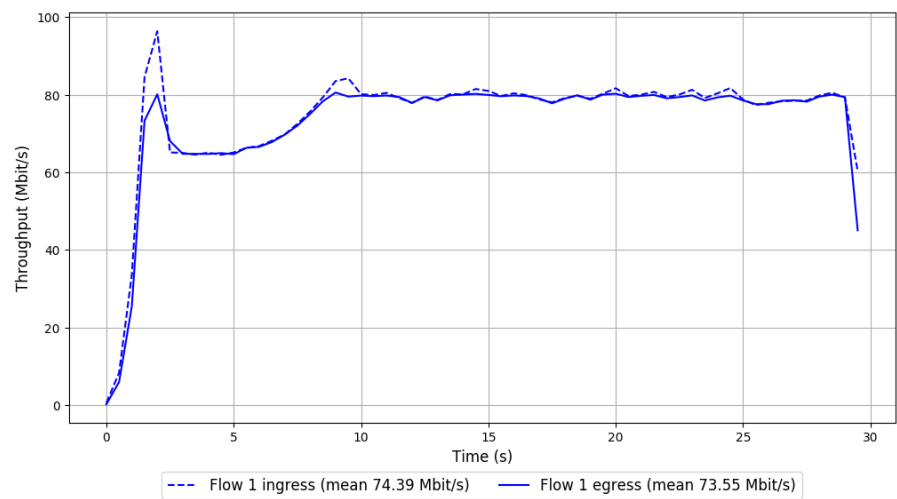
-- Flow 1:

Average throughput: 73.55 Mbit/s

95th percentile per-packet one-way delay: 83.606 ms

Loss rate: 1.72%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-04-24 07:33:12

End at: 2018-04-24 07:33:42

Local clock offset: -5.166 ms

Remote clock offset: 3.157 ms

Below is generated by plot.py at 2018-04-24 12:11:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.64 Mbit/s

95th percentile per-packet one-way delay: 96.983 ms

Loss rate: 0.69%

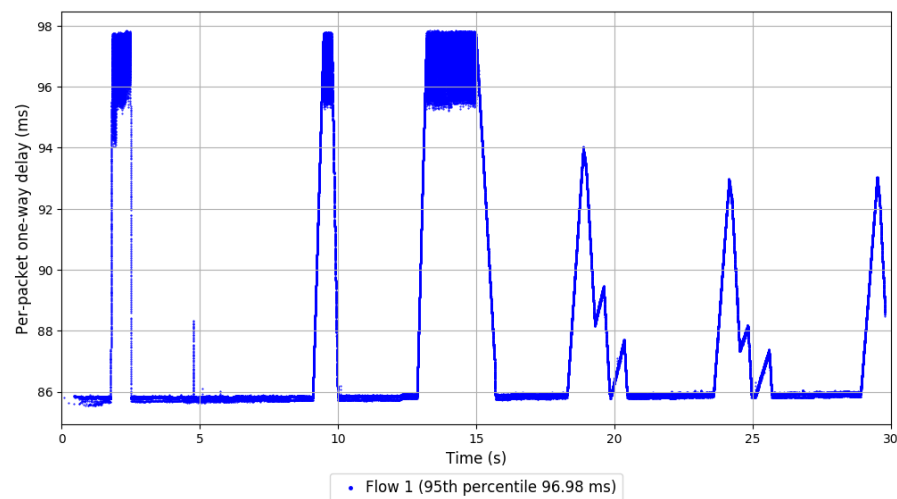
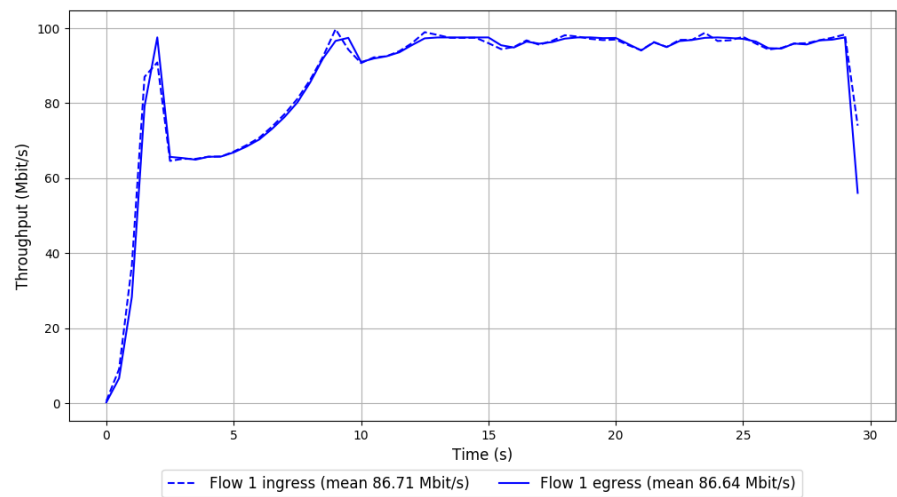
-- Flow 1:

Average throughput: 86.64 Mbit/s

95th percentile per-packet one-way delay: 96.983 ms

Loss rate: 0.69%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-04-24 07:54:05

End at: 2018-04-24 07:54:35

Local clock offset: -9.844 ms

Remote clock offset: 3.057 ms

Below is generated by plot.py at 2018-04-24 12:12:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.02 Mbit/s

95th percentile per-packet one-way delay: 81.804 ms

Loss rate: 1.05%

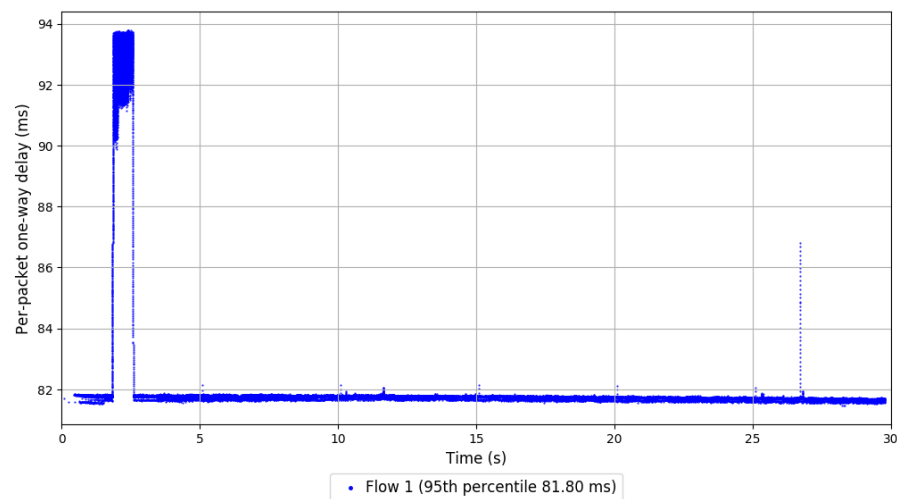
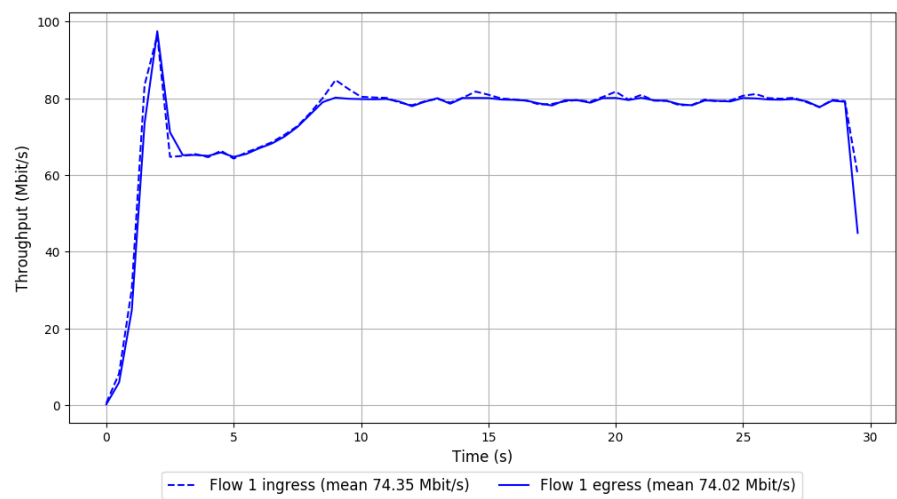
-- Flow 1:

Average throughput: 74.02 Mbit/s

95th percentile per-packet one-way delay: 81.804 ms

Loss rate: 1.05%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-04-24 08:14:58

End at: 2018-04-24 08:15:28

Local clock offset: -7.176 ms

Remote clock offset: 6.298 ms

Below is generated by plot.py at 2018-04-24 12:12:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.44 Mbit/s

95th percentile per-packet one-way delay: 91.261 ms

Loss rate: 0.70%

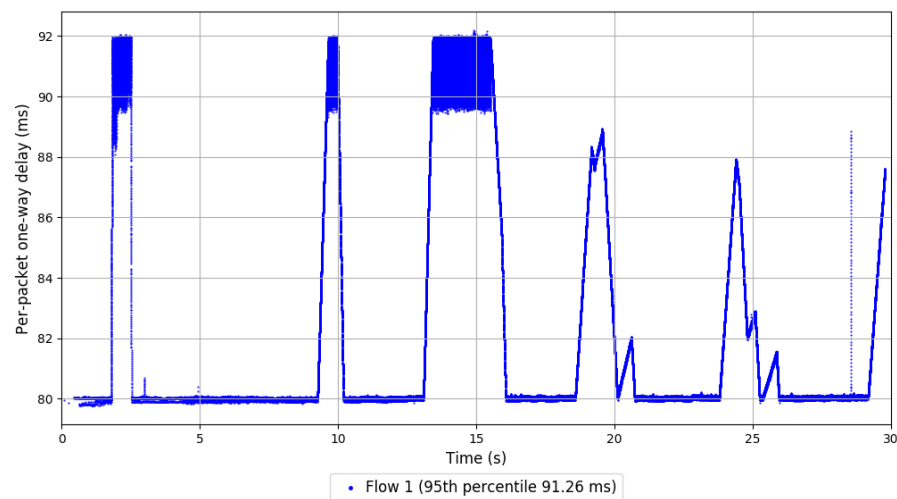
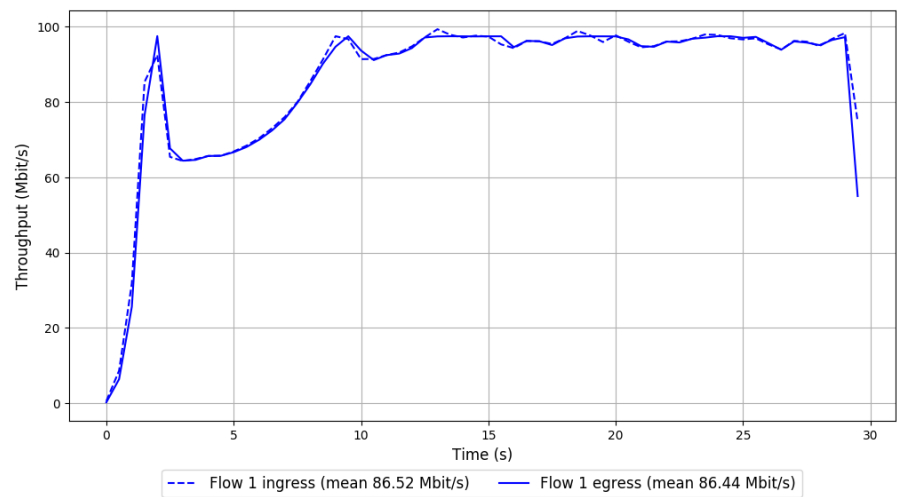
-- Flow 1:

Average throughput: 86.44 Mbit/s

95th percentile per-packet one-way delay: 91.261 ms

Loss rate: 0.70%

Run 10: Report of PCC-Allegro — Data Link

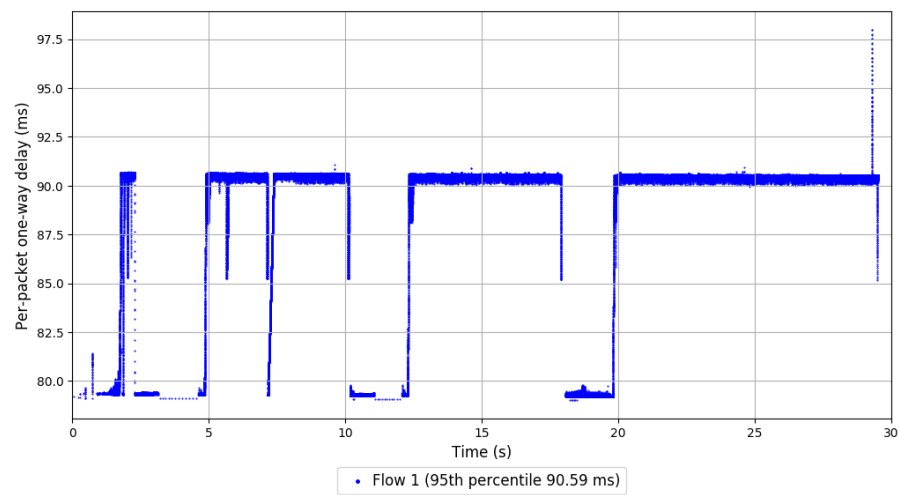
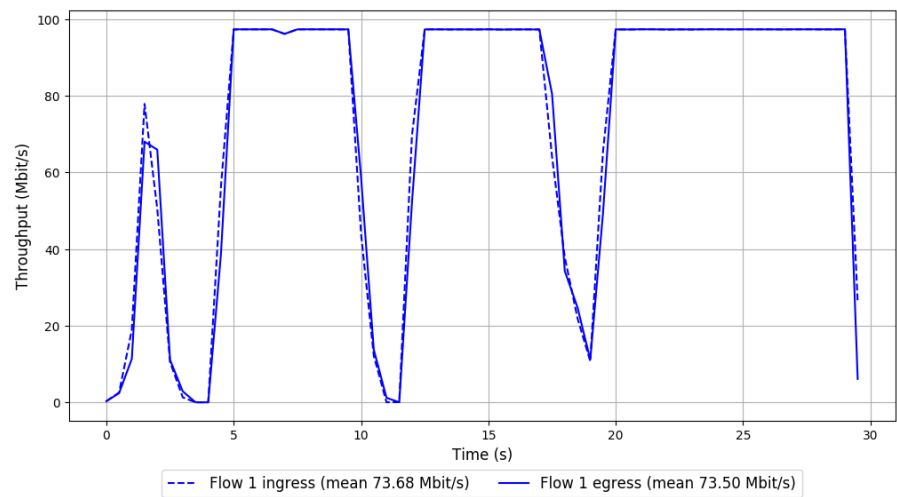


Run 1: Statistics of QUIC Cubic

Start at: 2018-04-24 05:24:07
End at: 2018-04-24 05:24:37
Local clock offset: -25.172 ms
Remote clock offset: 7.886 ms

Below is generated by plot.py at 2018-04-24 12:12:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.50 Mbit/s
95th percentile per-packet one-way delay: 90.586 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 73.50 Mbit/s
95th percentile per-packet one-way delay: 90.586 ms
Loss rate: 0.86%

Run 1: Report of QUIC Cubic — Data Link

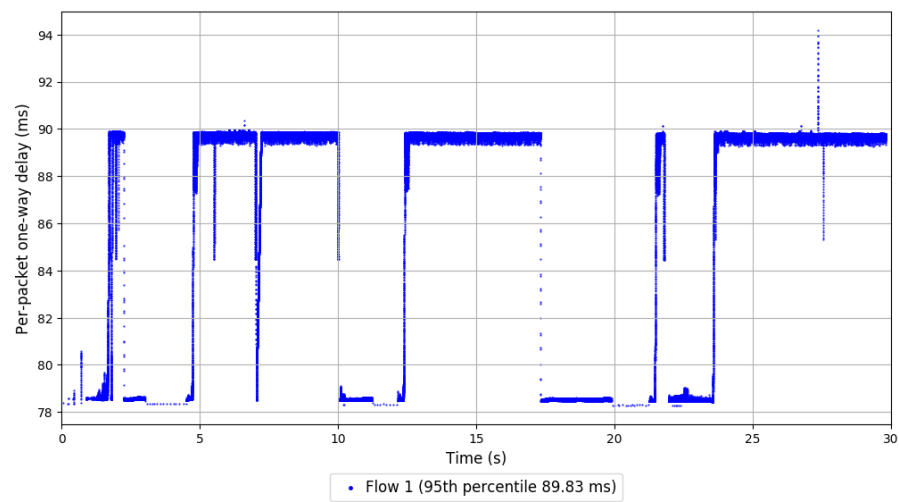
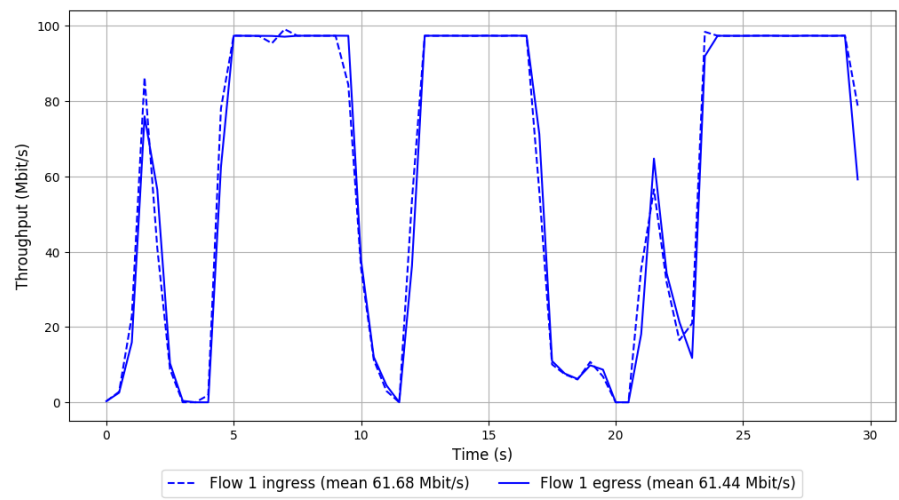


Run 2: Statistics of QUIC Cubic

Start at: 2018-04-24 05:45:00
End at: 2018-04-24 05:45:30
Local clock offset: -35.123 ms
Remote clock offset: 6.877 ms

Below is generated by plot.py at 2018-04-24 12:12:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.44 Mbit/s
95th percentile per-packet one-way delay: 89.830 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 61.44 Mbit/s
95th percentile per-packet one-way delay: 89.830 ms
Loss rate: 1.01%

Run 2: Report of QUIC Cubic — Data Link

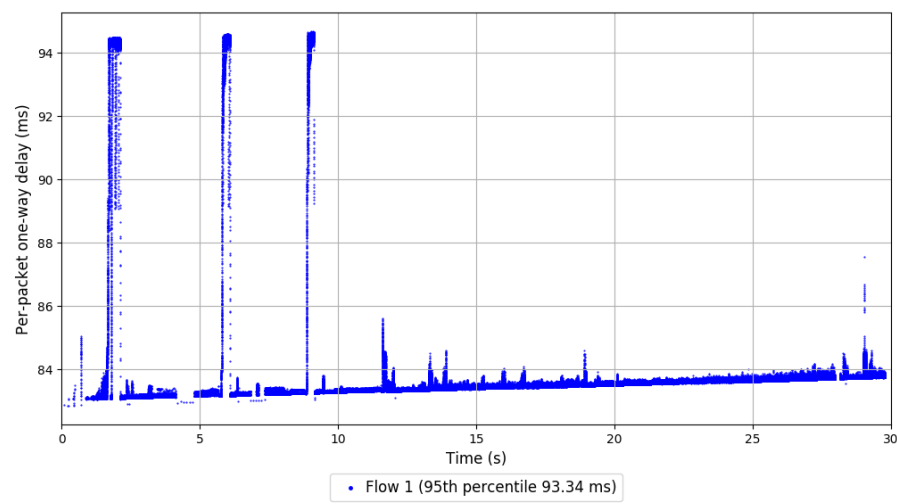
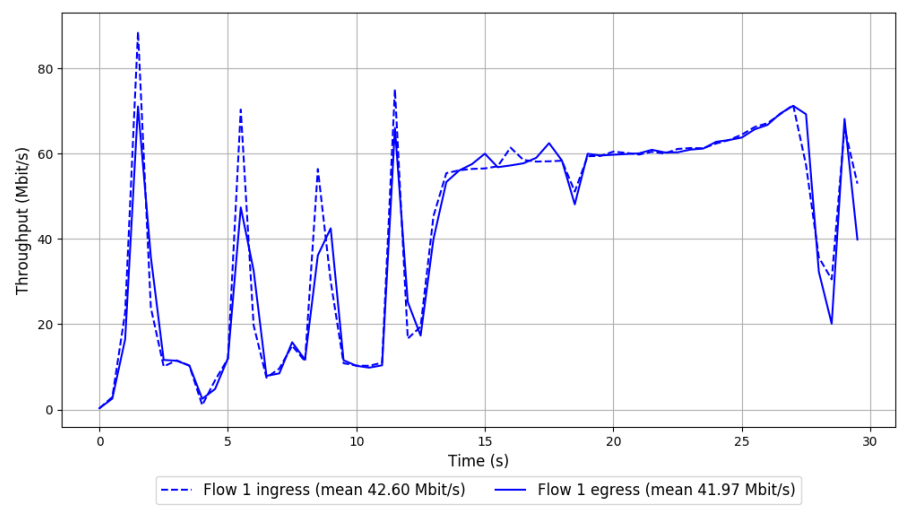


Run 3: Statistics of QUIC Cubic

Start at: 2018-04-24 06:05:51
End at: 2018-04-24 06:06:21
Local clock offset: -54.507 ms
Remote clock offset: 2.284 ms

Below is generated by plot.py at 2018-04-24 12:12:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.97 Mbit/s
95th percentile per-packet one-way delay: 93.336 ms
Loss rate: 2.05%
-- Flow 1:
Average throughput: 41.97 Mbit/s
95th percentile per-packet one-way delay: 93.336 ms
Loss rate: 2.05%

Run 3: Report of QUIC Cubic — Data Link

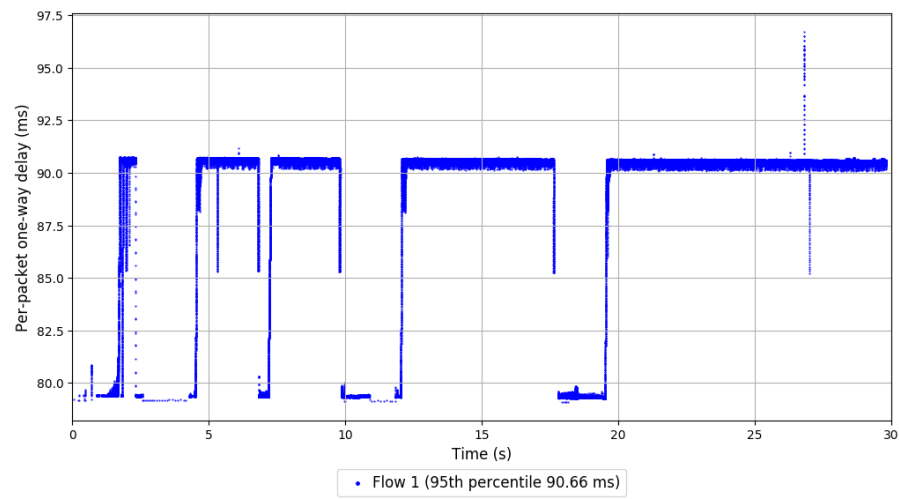
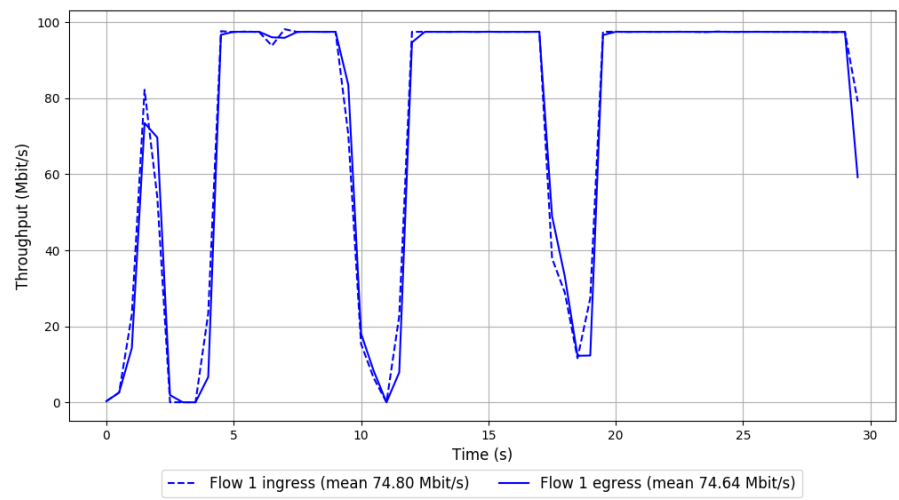


Run 4: Statistics of QUIC Cubic

Start at: 2018-04-24 06:26:57
End at: 2018-04-24 06:27:27
Local clock offset: -29.716 ms
Remote clock offset: 6.623 ms

Below is generated by plot.py at 2018-04-24 12:13:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.64 Mbit/s
95th percentile per-packet one-way delay: 90.660 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 74.64 Mbit/s
95th percentile per-packet one-way delay: 90.660 ms
Loss rate: 0.84%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-04-24 06:47:50

End at: 2018-04-24 06:48:20

Local clock offset: -29.75 ms

Remote clock offset: 7.352 ms

Below is generated by plot.py at 2018-04-24 12:13:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.65 Mbit/s

95th percentile per-packet one-way delay: 87.297 ms

Loss rate: 0.84%

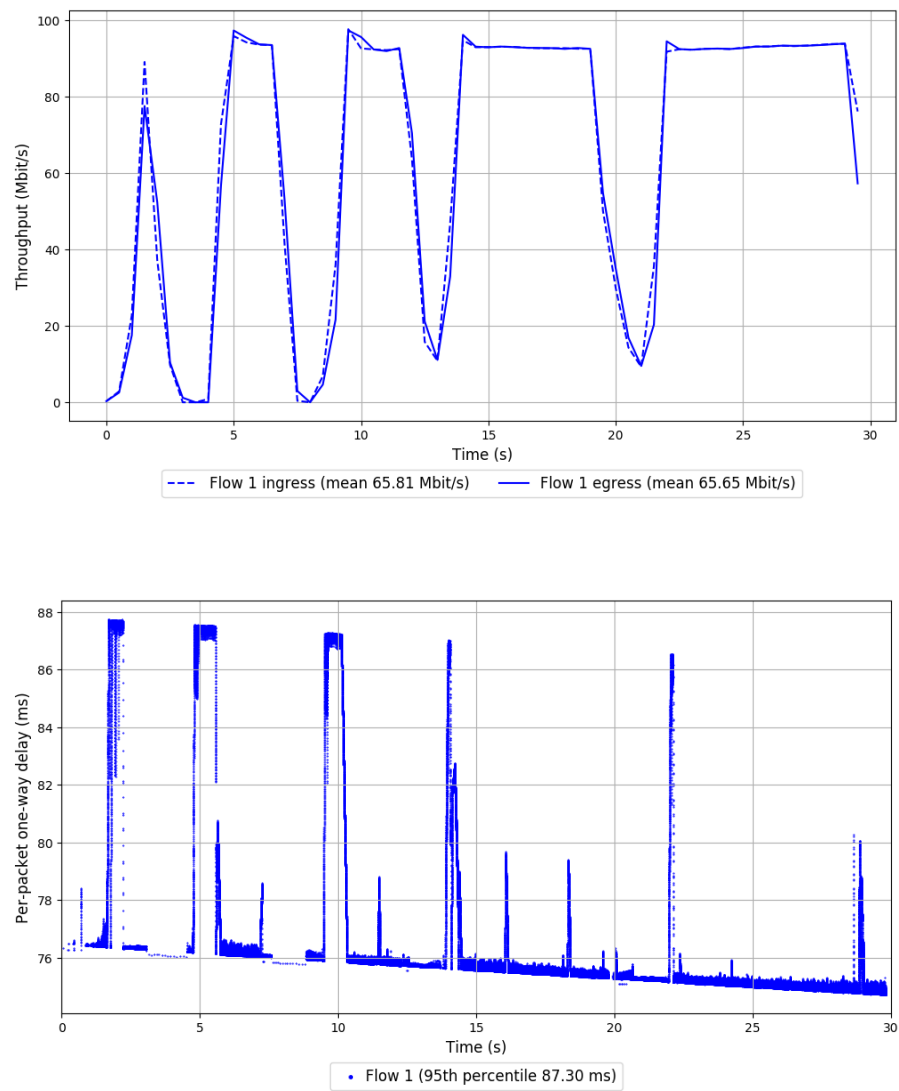
-- Flow 1:

Average throughput: 65.65 Mbit/s

95th percentile per-packet one-way delay: 87.297 ms

Loss rate: 0.84%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-04-24 07:08:43

End at: 2018-04-24 07:09:13

Local clock offset: -0.333 ms

Remote clock offset: 3.325 ms

Below is generated by plot.py at 2018-04-24 12:13:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.19 Mbit/s

95th percentile per-packet one-way delay: 93.532 ms

Loss rate: 0.17%

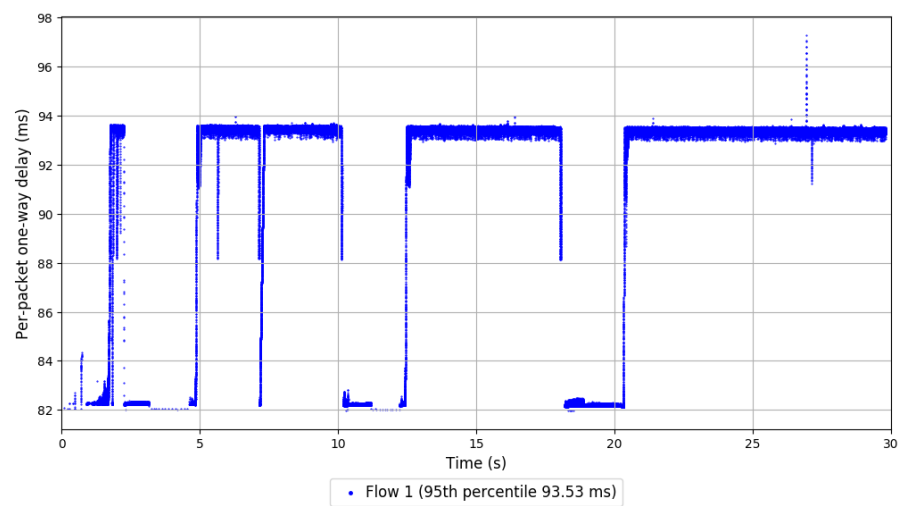
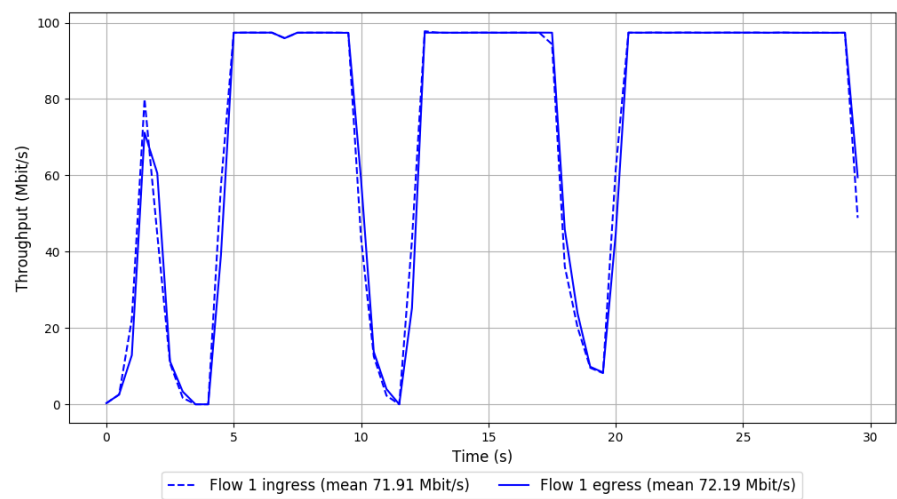
-- Flow 1:

Average throughput: 72.19 Mbit/s

95th percentile per-packet one-way delay: 93.532 ms

Loss rate: 0.17%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-04-24 07:29:34

End at: 2018-04-24 07:30:04

Local clock offset: -3.701 ms

Remote clock offset: 3.908 ms

Below is generated by plot.py at 2018-04-24 12:13:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.08 Mbit/s

95th percentile per-packet one-way delay: 84.729 ms

Loss rate: 1.23%

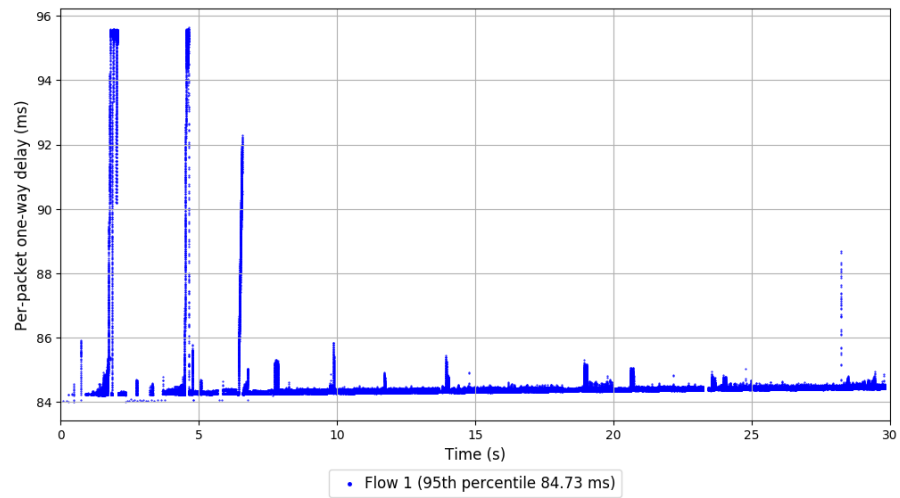
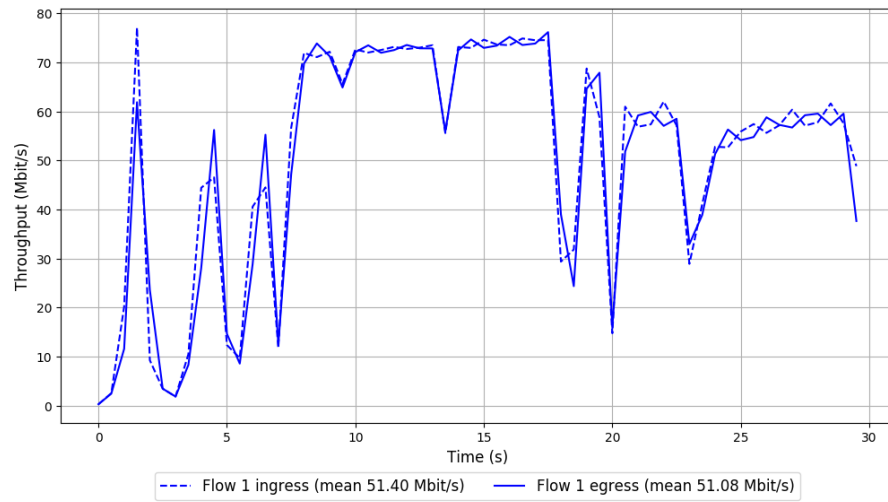
-- Flow 1:

Average throughput: 51.08 Mbit/s

95th percentile per-packet one-way delay: 84.729 ms

Loss rate: 1.23%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-04-24 07:50:26

End at: 2018-04-24 07:50:56

Local clock offset: -8.612 ms

Remote clock offset: 6.091 ms

Below is generated by plot.py at 2018-04-24 12:13:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.04 Mbit/s

95th percentile per-packet one-way delay: 93.244 ms

Loss rate: 0.09%

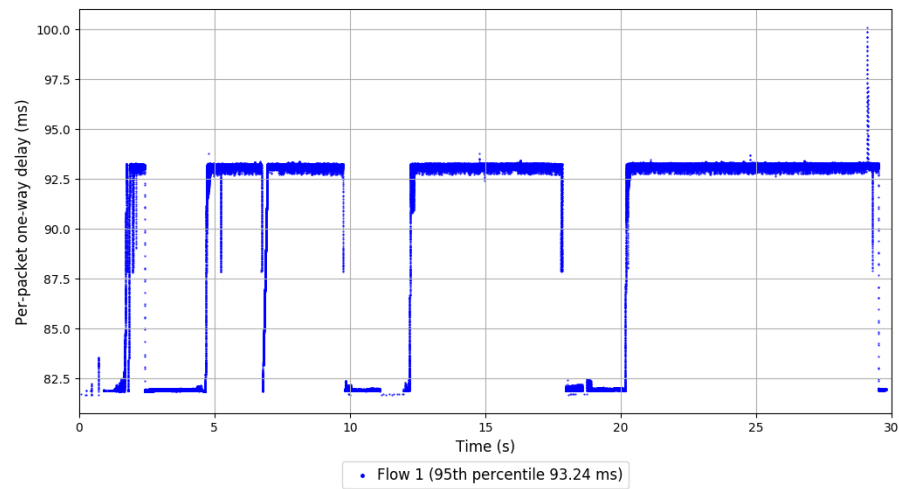
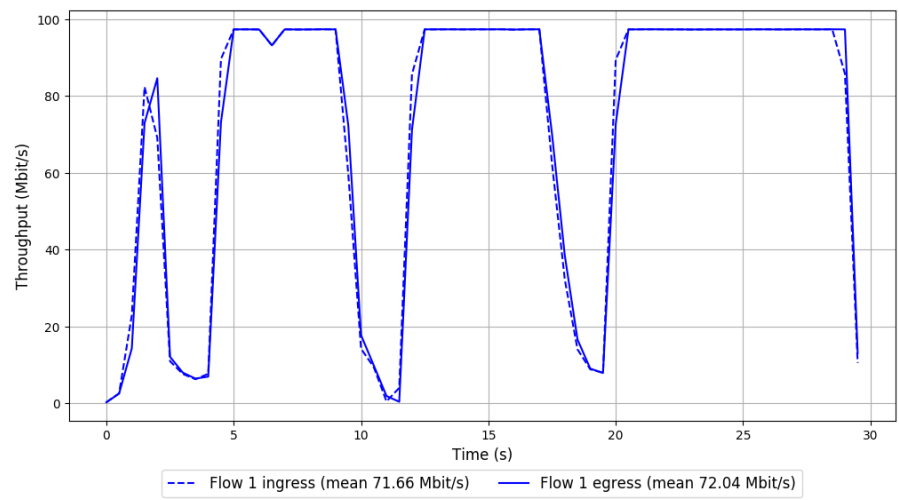
-- Flow 1:

Average throughput: 72.04 Mbit/s

95th percentile per-packet one-way delay: 93.244 ms

Loss rate: 0.09%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-04-24 08:11:19

End at: 2018-04-24 08:11:49

Local clock offset: -8.62 ms

Remote clock offset: 7.512 ms

Below is generated by plot.py at 2018-04-24 12:13:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.43 Mbit/s

95th percentile per-packet one-way delay: 88.454 ms

Loss rate: 0.91%

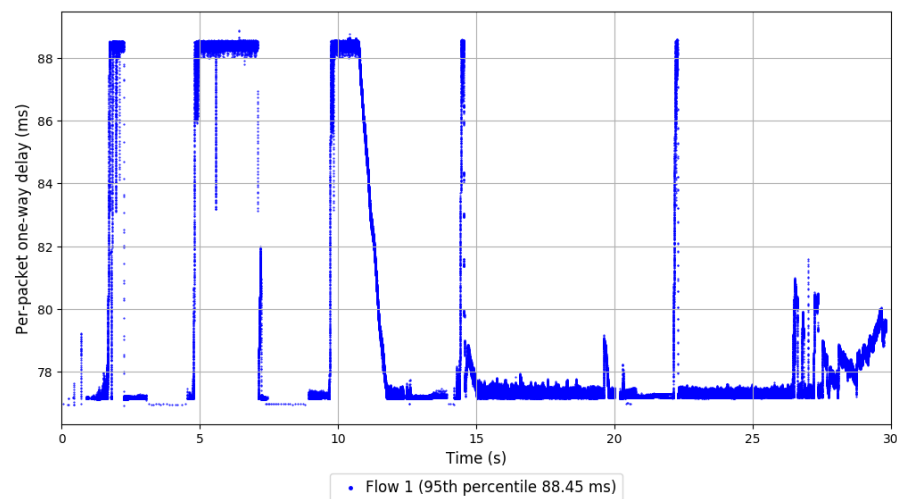
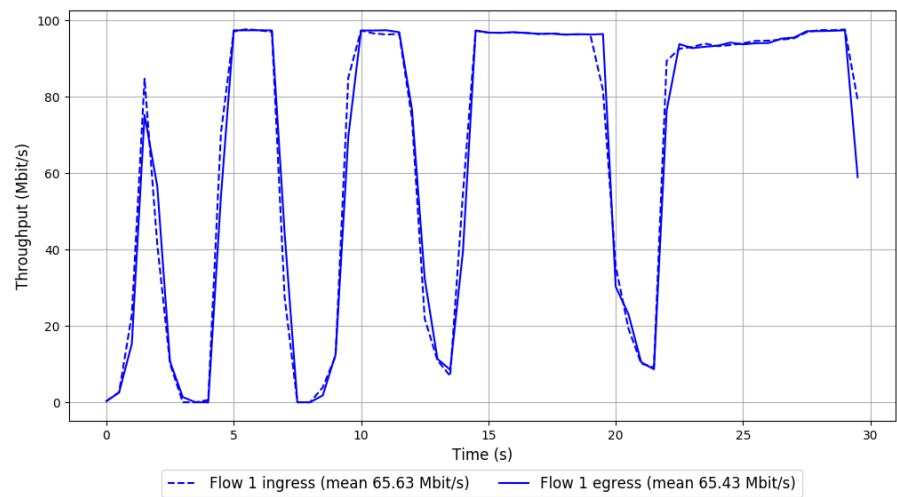
-- Flow 1:

Average throughput: 65.43 Mbit/s

95th percentile per-packet one-way delay: 88.454 ms

Loss rate: 0.91%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-04-24 08:32:07

End at: 2018-04-24 08:32:37

Local clock offset: -7.025 ms

Remote clock offset: 4.124 ms

Below is generated by plot.py at 2018-04-24 12:13:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.75 Mbit/s

95th percentile per-packet one-way delay: 94.484 ms

Loss rate: 2.03%

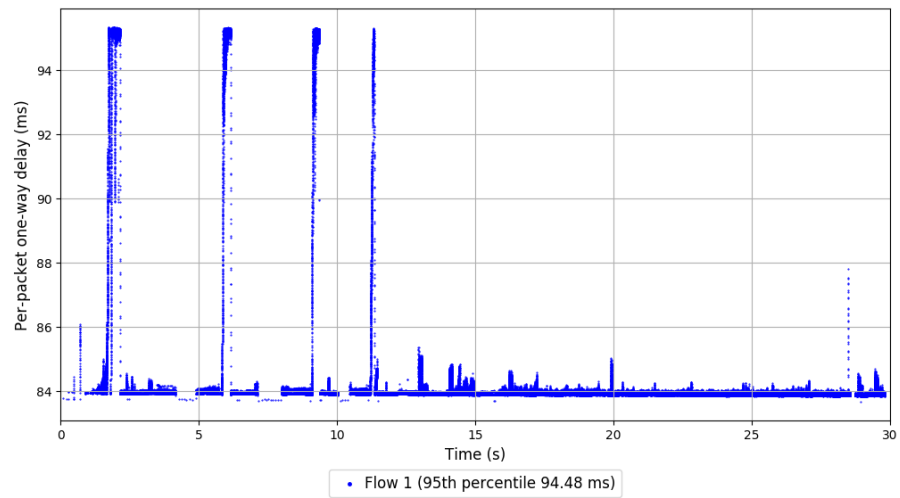
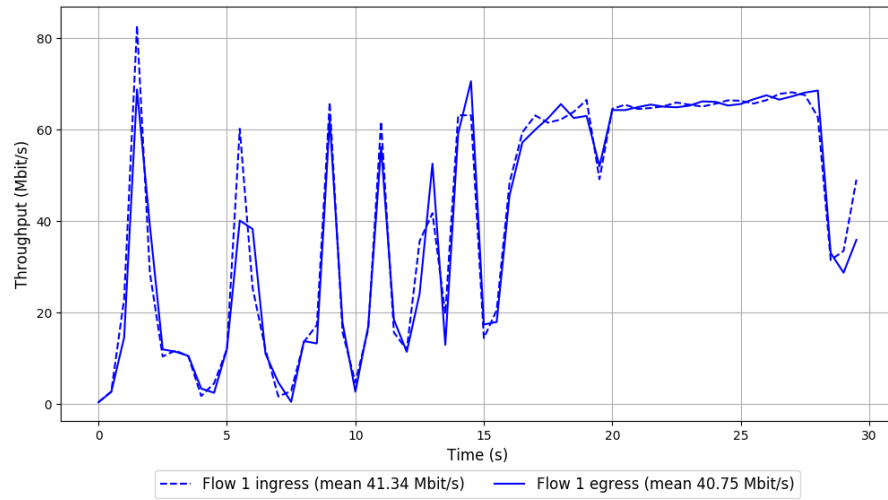
-- Flow 1:

Average throughput: 40.75 Mbit/s

95th percentile per-packet one-way delay: 94.484 ms

Loss rate: 2.03%

Run 10: Report of QUIC Cubic — Data Link

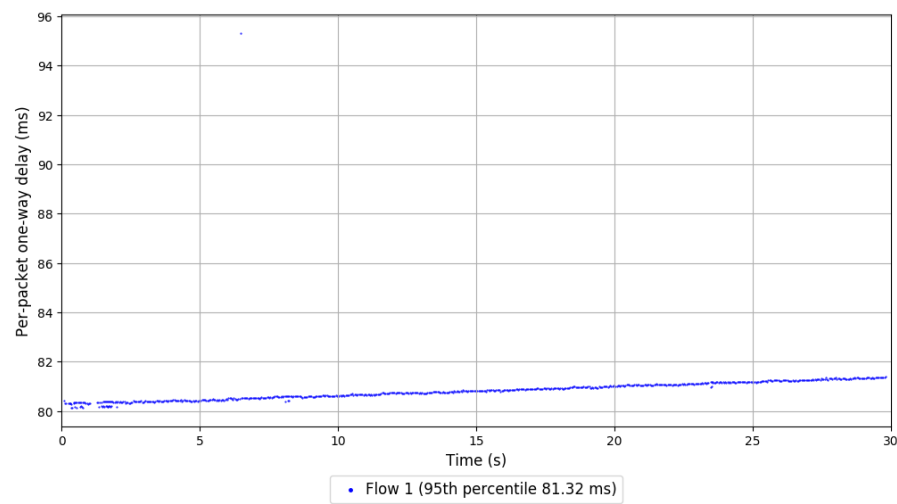
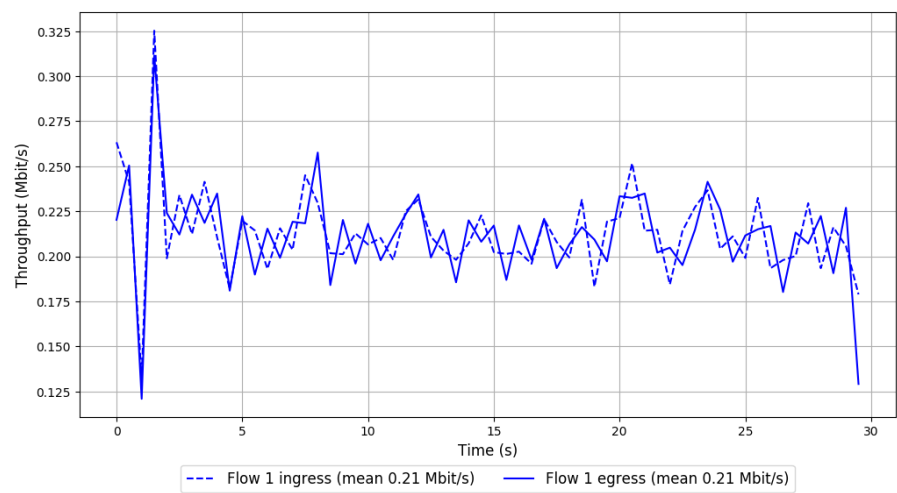


Run 1: Statistics of SCReAM

Start at: 2018-04-24 05:16:50
End at: 2018-04-24 05:17:20
Local clock offset: -21.977 ms
Remote clock offset: 6.746 ms

Below is generated by plot.py at 2018-04-24 12:13:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 81.319 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 81.319 ms
Loss rate: 0.64%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-04-24 05:37:44

End at: 2018-04-24 05:38:14

Local clock offset: -43.53 ms

Remote clock offset: 3.72 ms

Below is generated by plot.py at 2018-04-24 12:13:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.176 ms

Loss rate: 0.51%

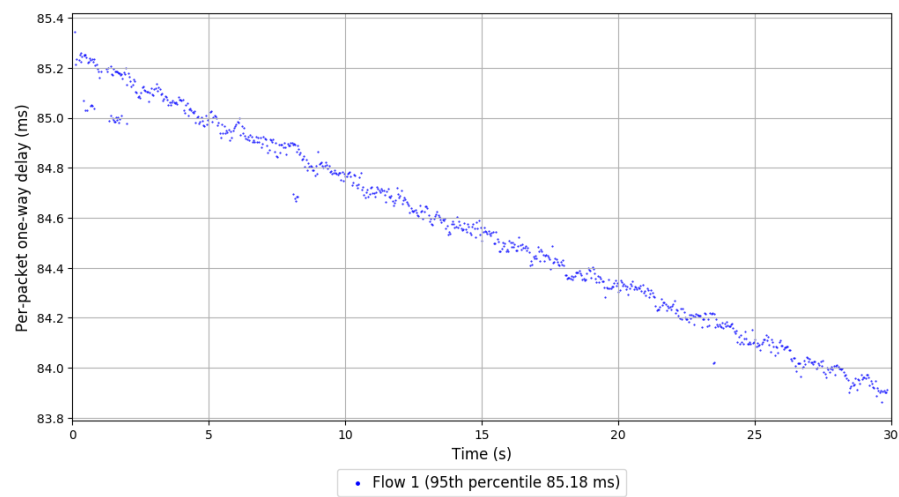
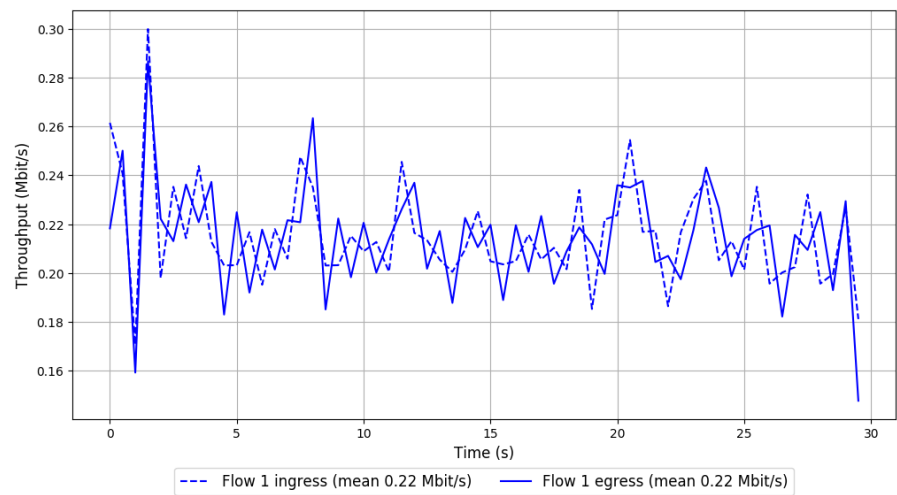
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.176 ms

Loss rate: 0.51%

Run 2: Report of SReAM — Data Link

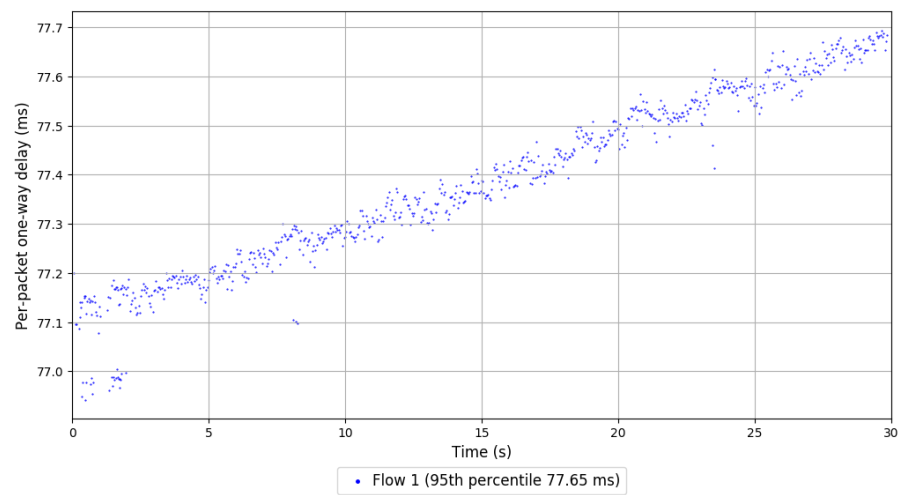
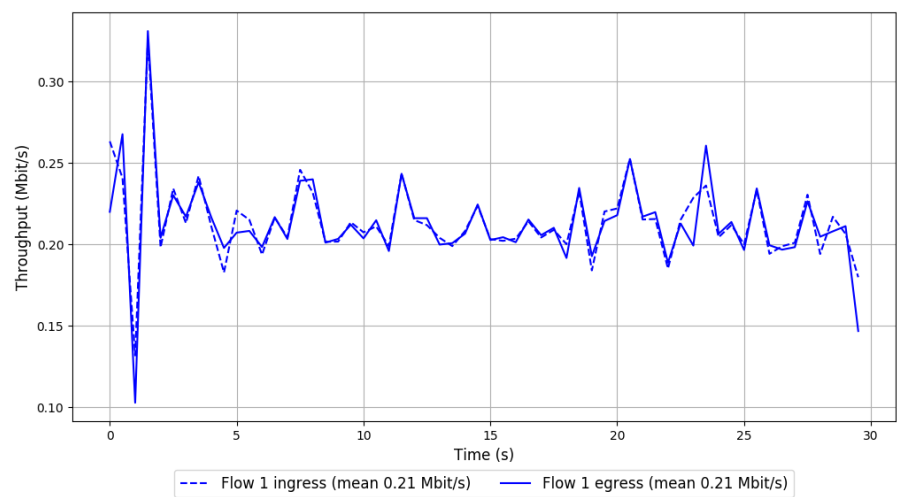


Run 3: Statistics of SCReAM

Start at: 2018-04-24 05:58:34
End at: 2018-04-24 05:59:04
Local clock offset: -44.581 ms
Remote clock offset: 8.298 ms

Below is generated by plot.py at 2018-04-24 12:13:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 77.653 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 77.653 ms
Loss rate: 0.51%

Run 3: Report of SReAM — Data Link

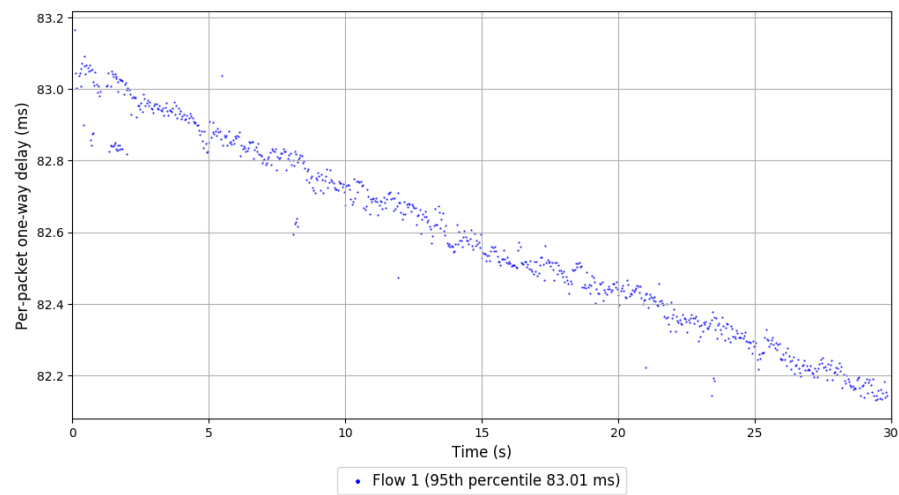
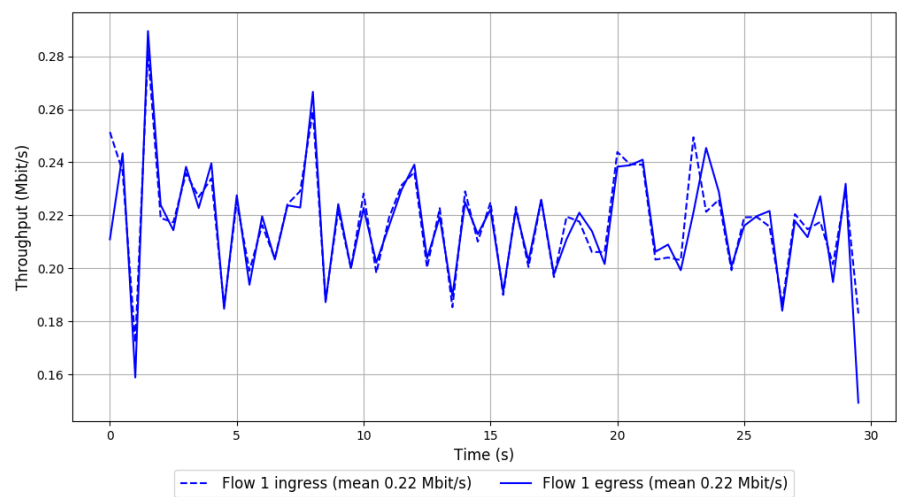


Run 4: Statistics of SCReAM

Start at: 2018-04-24 06:19:41
End at: 2018-04-24 06:20:11
Local clock offset: -36.754 ms
Remote clock offset: 2.919 ms

Below is generated by plot.py at 2018-04-24 12:13:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.008 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.008 ms
Loss rate: 0.51%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-04-24 06:40:33

End at: 2018-04-24 06:41:03

Local clock offset: -31.95 ms

Remote clock offset: 6.584 ms

Below is generated by plot.py at 2018-04-24 12:13:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 79.915 ms

Loss rate: 0.51%

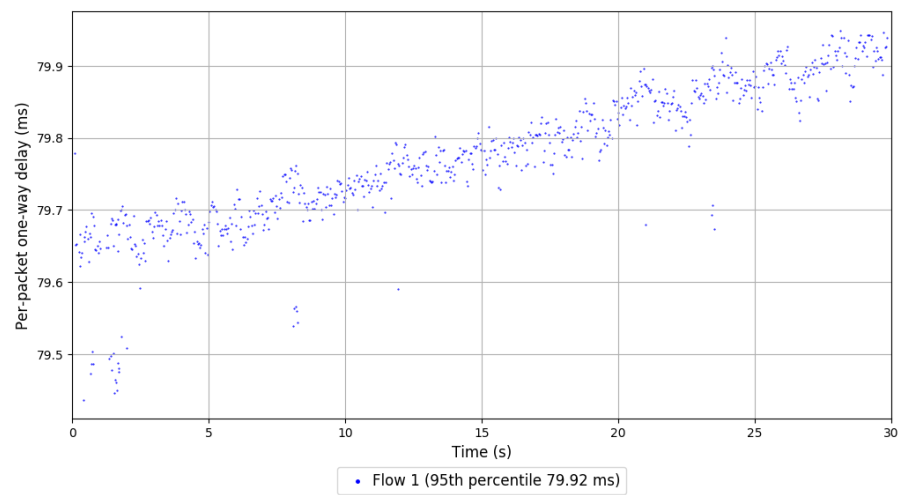
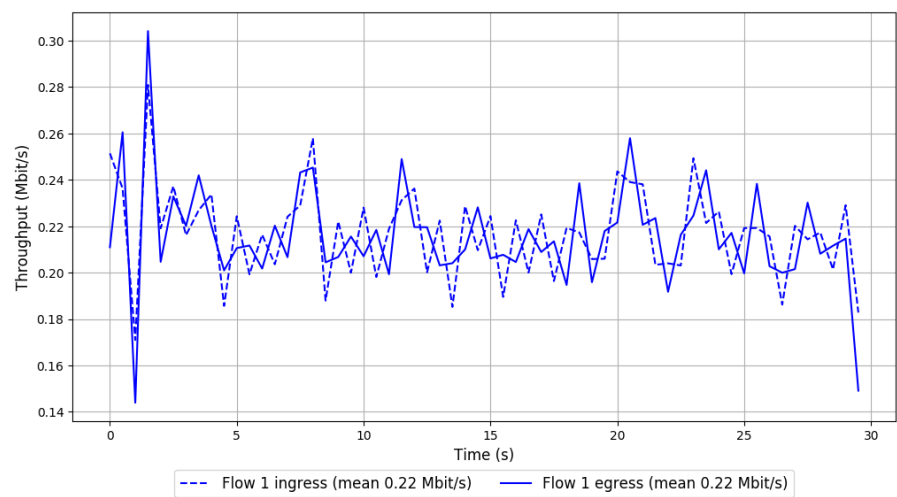
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 79.915 ms

Loss rate: 0.51%

Run 5: Report of SCRaM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-04-24 07:01:25

End at: 2018-04-24 07:01:55

Local clock offset: -4.93 ms

Remote clock offset: 2.815 ms

Below is generated by plot.py at 2018-04-24 12:13:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.313 ms

Loss rate: 0.64%

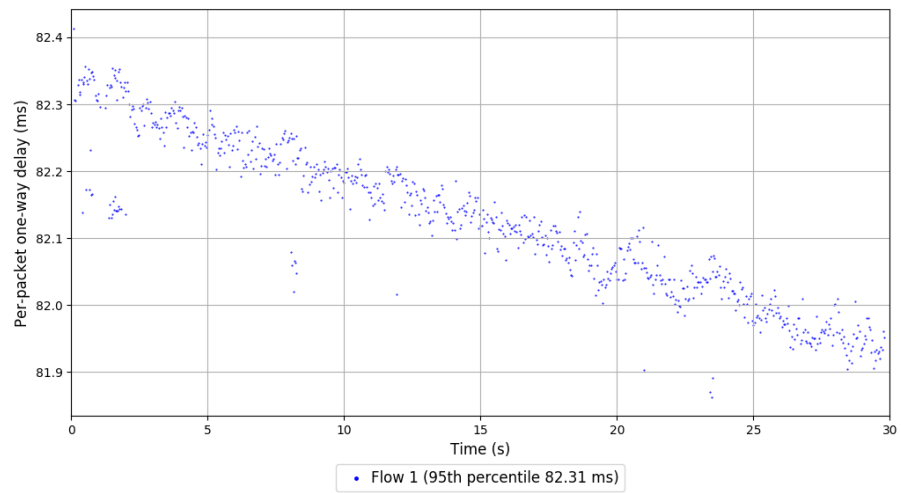
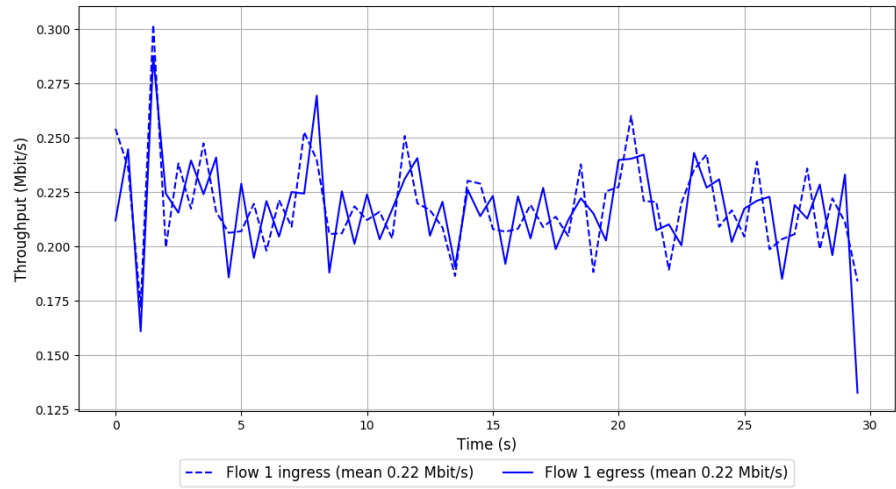
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.313 ms

Loss rate: 0.64%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-04-24 07:22:17

End at: 2018-04-24 07:22:47

Local clock offset: -0.656 ms

Remote clock offset: 7.707 ms

Below is generated by plot.py at 2018-04-24 12:13:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 77.853 ms

Loss rate: 0.51%

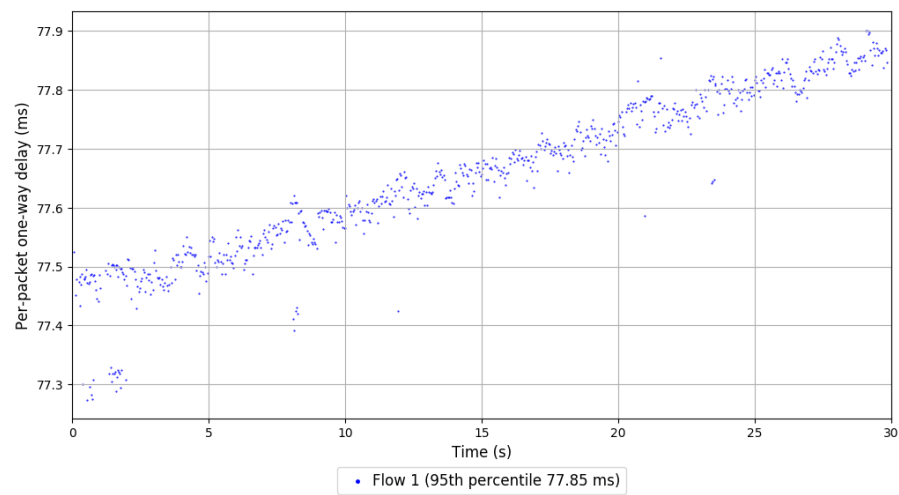
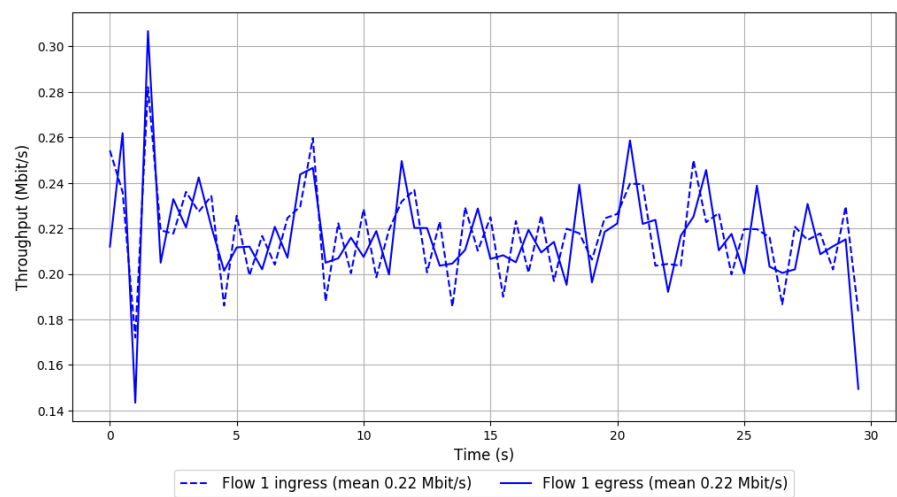
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 77.853 ms

Loss rate: 0.51%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-04-24 07:43:10

End at: 2018-04-24 07:43:40

Local clock offset: -8.23 ms

Remote clock offset: 7.247 ms

Below is generated by plot.py at 2018-04-24 12:13:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 79.778 ms

Loss rate: 0.51%

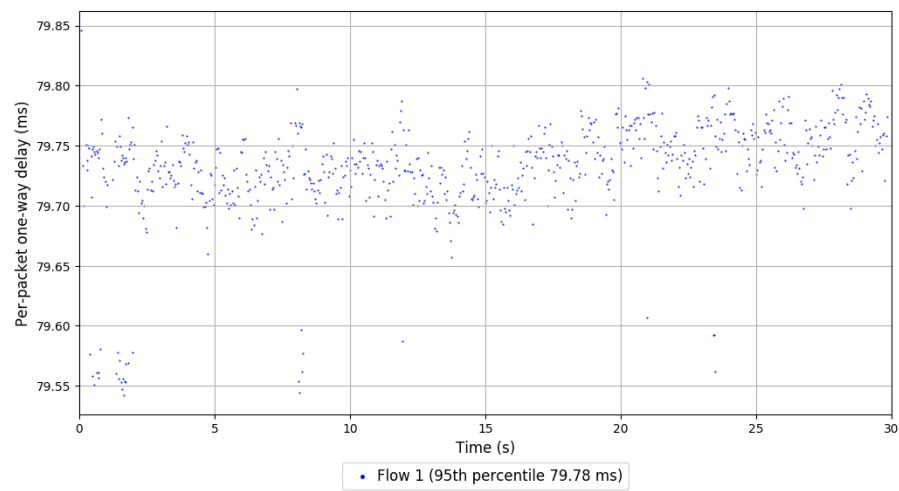
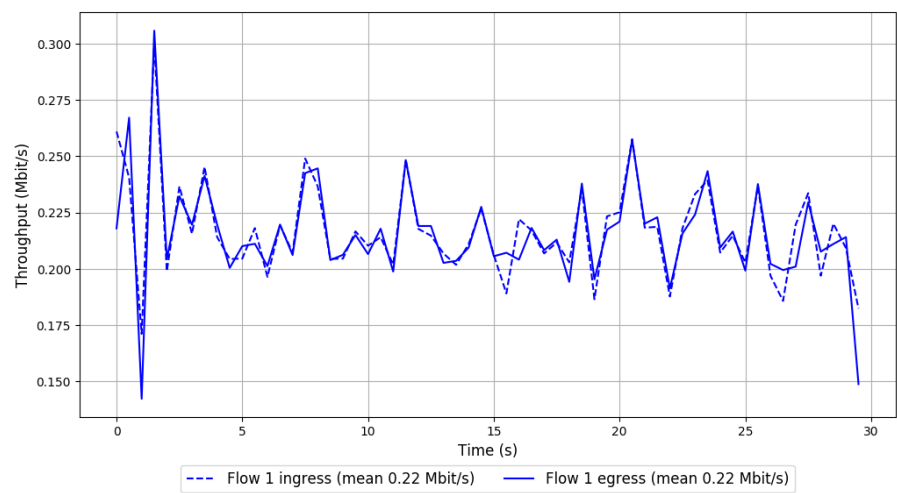
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 79.778 ms

Loss rate: 0.51%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-04-24 08:04:02

End at: 2018-04-24 08:04:32

Local clock offset: -8.177 ms

Remote clock offset: 2.808 ms

Below is generated by plot.py at 2018-04-24 12:13:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.322 ms

Loss rate: 0.51%

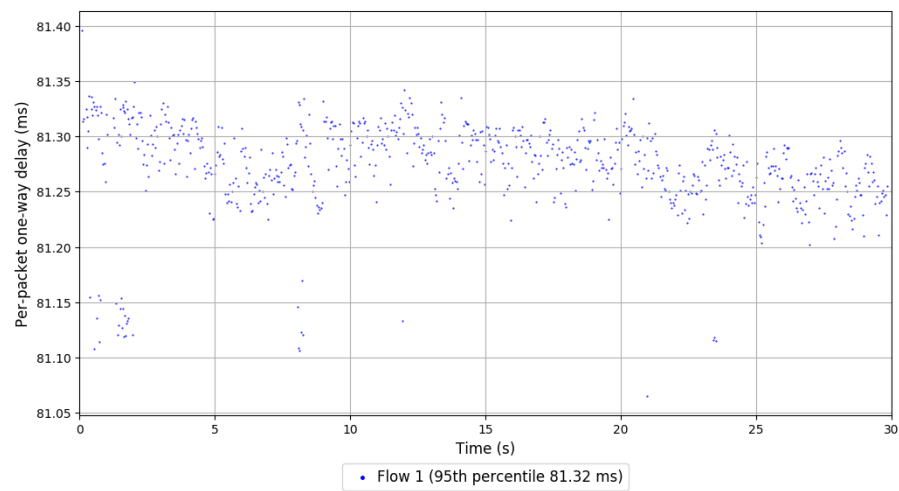
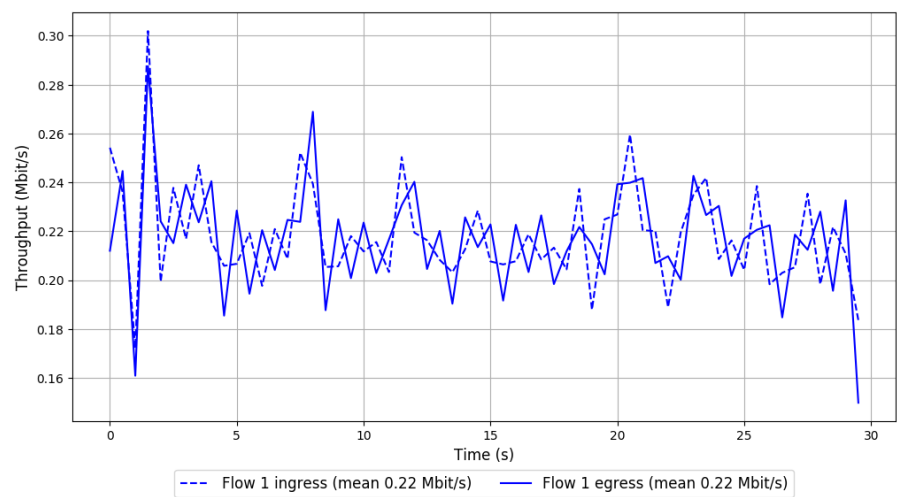
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.322 ms

Loss rate: 0.51%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-04-24 08:24:51

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

Local clock offset: -9.039 ms

Remote clock offset: 3.917 ms

Below is generated by plot.py at 2018-04-24 12:13:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 80.974 ms

Loss rate: 0.64%

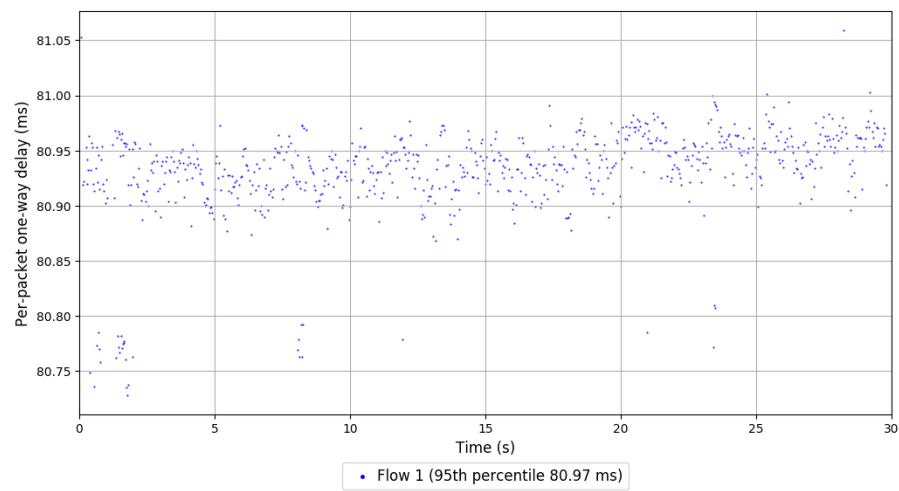
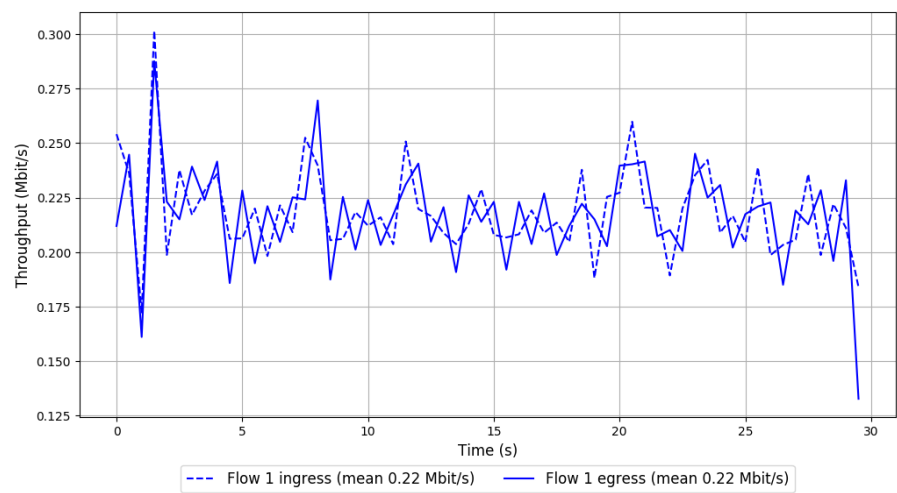
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 80.974 ms

Loss rate: 0.64%

Run 10: Report of SReAM — Data Link

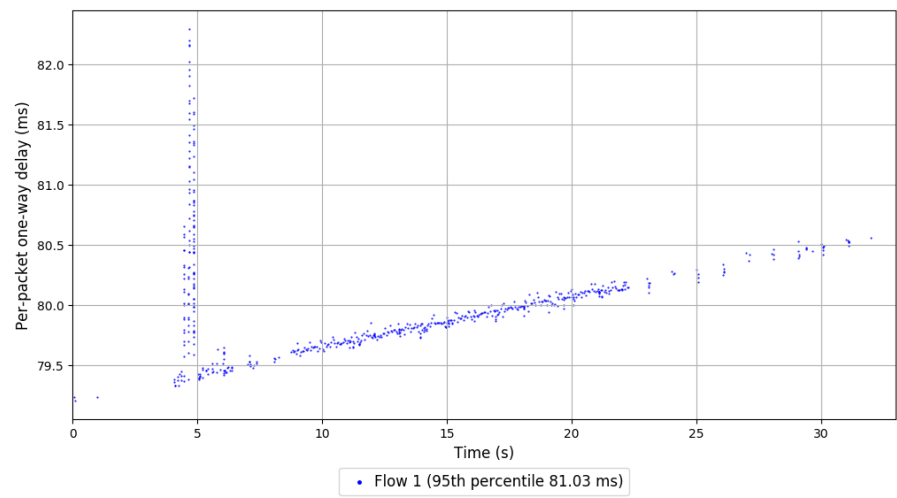
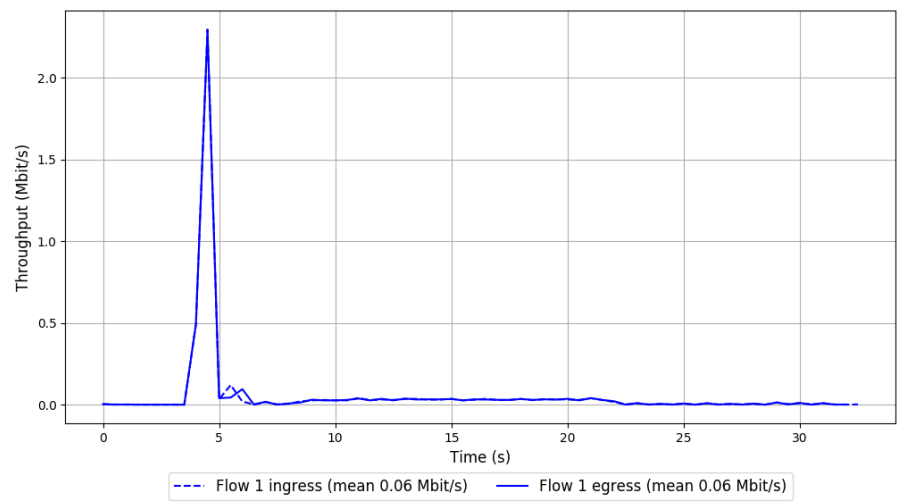


Run 1: Statistics of WebRTC media

Start at: 2018-04-24 05:18:00
End at: 2018-04-24 05:18:30
Local clock offset: -23.408 ms
Remote clock offset: 6.725 ms

Below is generated by plot.py at 2018-04-24 12:13:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 81.032 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 81.032 ms
Loss rate: 0.04%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-04-24 05:38:54

End at: 2018-04-24 05:39:24

Local clock offset: -43.81 ms

Remote clock offset: 3.024 ms

Below is generated by plot.py at 2018-04-24 12:13:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 85.101 ms

Loss rate: 0.00%

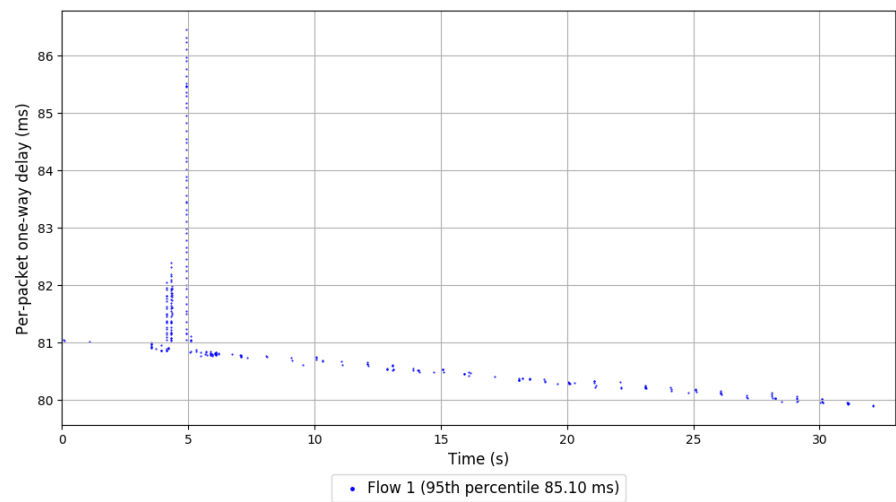
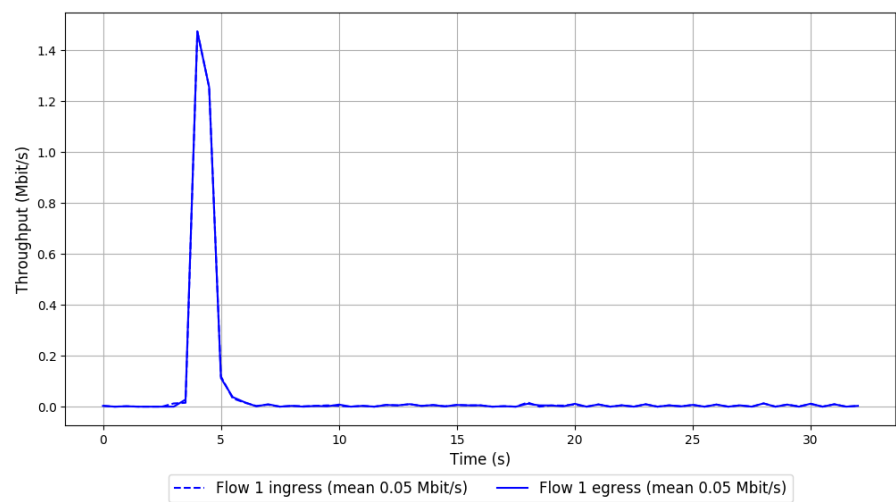
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 85.101 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

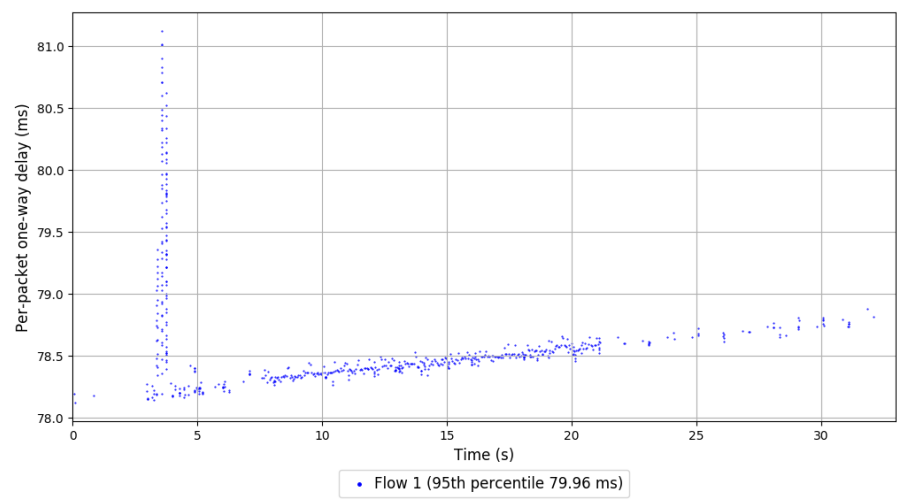
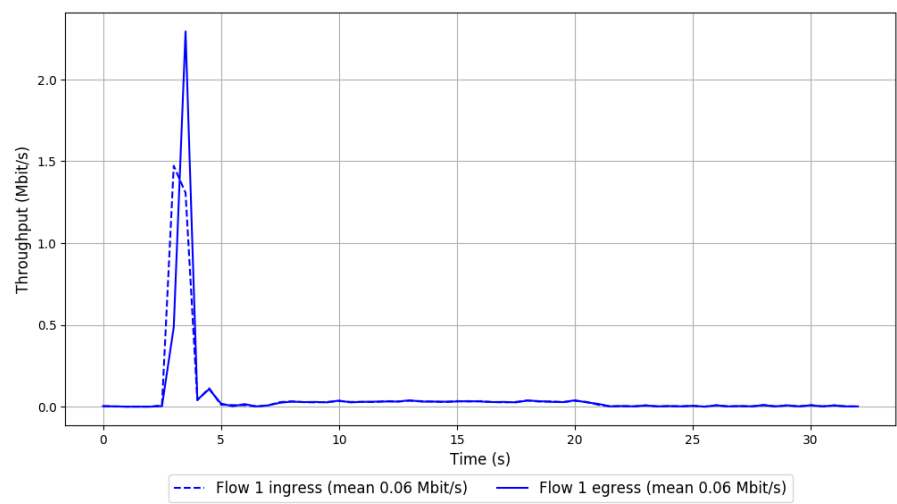


Run 3: Statistics of WebRTC media

Start at: 2018-04-24 05:59:44
End at: 2018-04-24 06:00:14
Local clock offset: -45.181 ms
Remote clock offset: 7.343 ms

Below is generated by plot.py at 2018-04-24 12:13:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 79.964 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 79.964 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

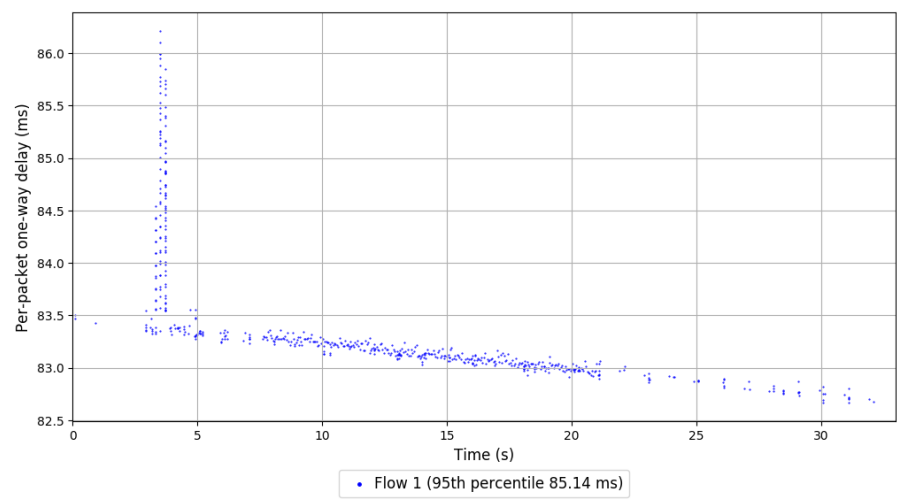
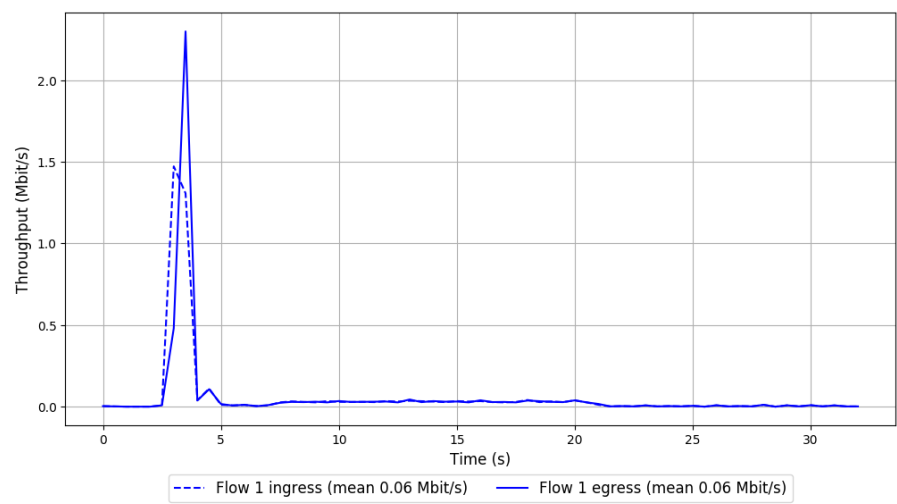


Run 4: Statistics of WebRTC media

Start at: 2018-04-24 06:20:51
End at: 2018-04-24 06:21:21
Local clock offset: -35.466 ms
Remote clock offset: 2.082 ms

Below is generated by plot.py at 2018-04-24 12:13:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 85.141 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 85.141 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

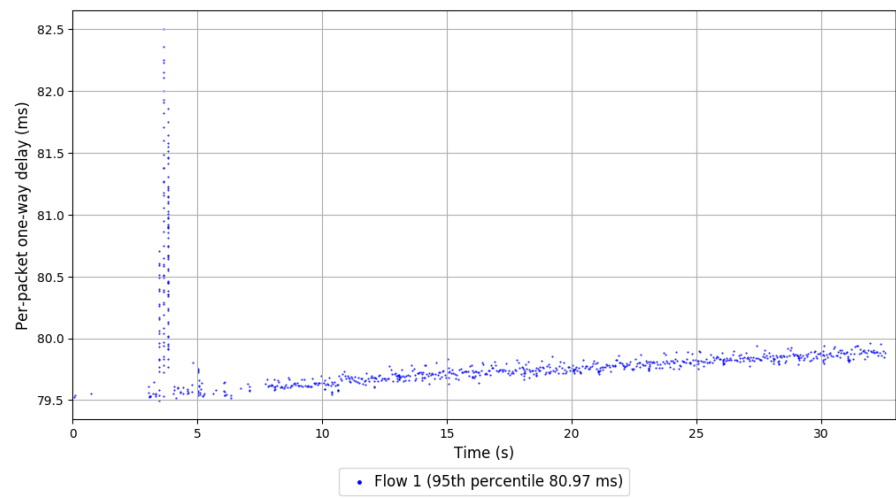
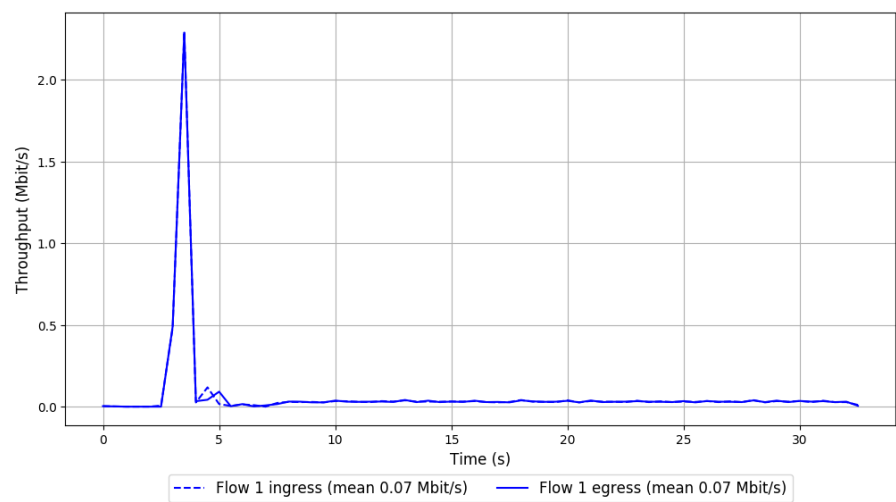


Run 5: Statistics of WebRTC media

Start at: 2018-04-24 06:41:43
End at: 2018-04-24 06:42:13
Local clock offset: -33.461 ms
Remote clock offset: 6.612 ms

Below is generated by plot.py at 2018-04-24 12:13:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 80.969 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 80.969 ms
Loss rate: 0.17%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-04-24 07:02:34

End at: 2018-04-24 07:03:04

Local clock offset: -3.306 ms

Remote clock offset: 6.504 ms

Below is generated by plot.py at 2018-04-24 12:13:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 80.661 ms

Loss rate: 0.00%

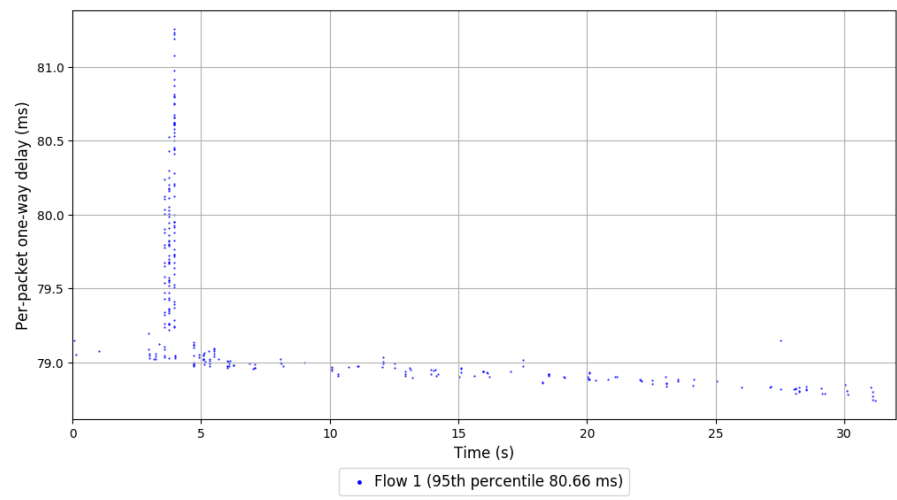
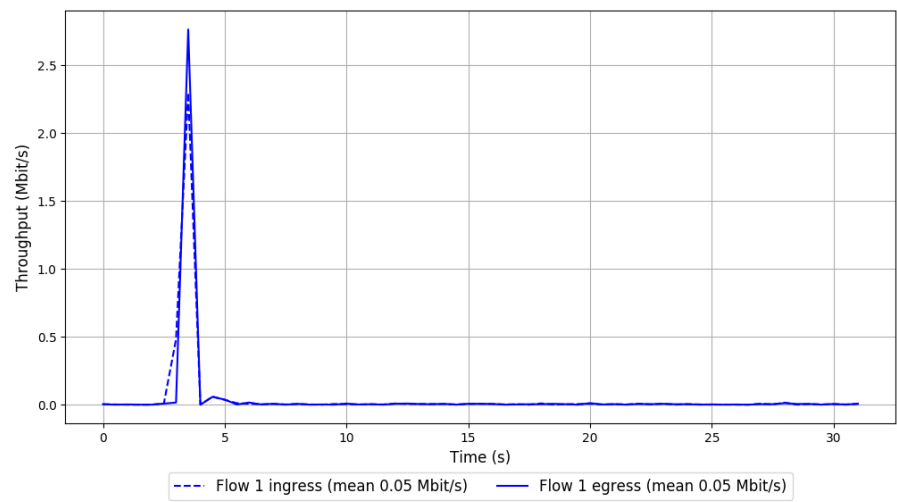
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 80.661 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-04-24 07:23:27

End at: 2018-04-24 07:23:57

Local clock offset: -0.067 ms

Remote clock offset: 7.704 ms

Below is generated by plot.py at 2018-04-24 12:13:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 81.174 ms

Loss rate: 0.00%

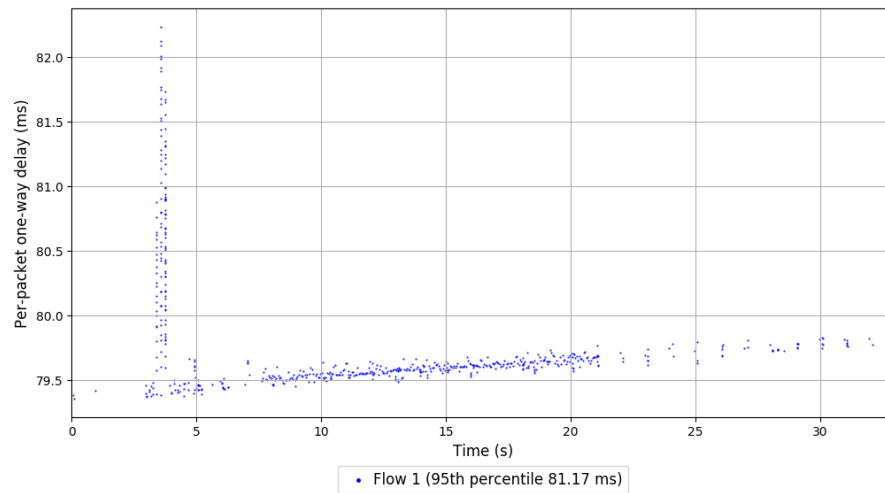
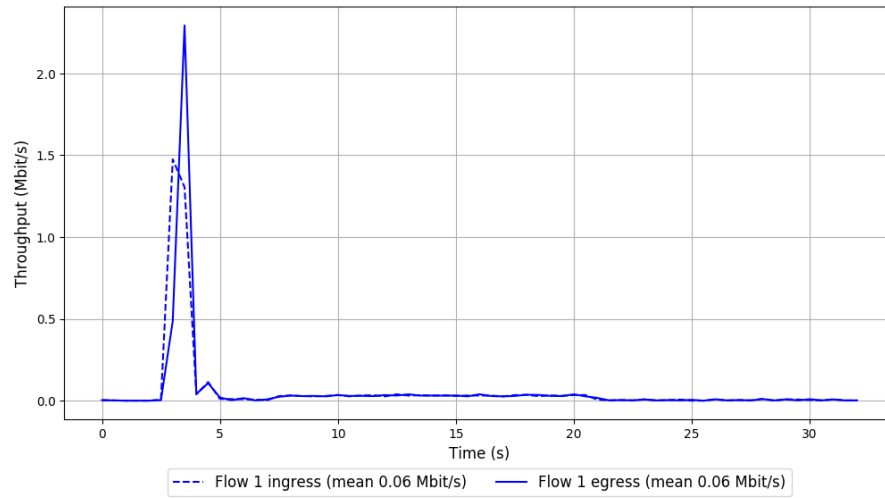
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 81.174 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-04-24 07:44:19

End at: 2018-04-24 07:44:49

Local clock offset: -8.476 ms

Remote clock offset: 3.409 ms

Below is generated by plot.py at 2018-04-24 12:13:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 85.194 ms

Loss rate: 0.00%

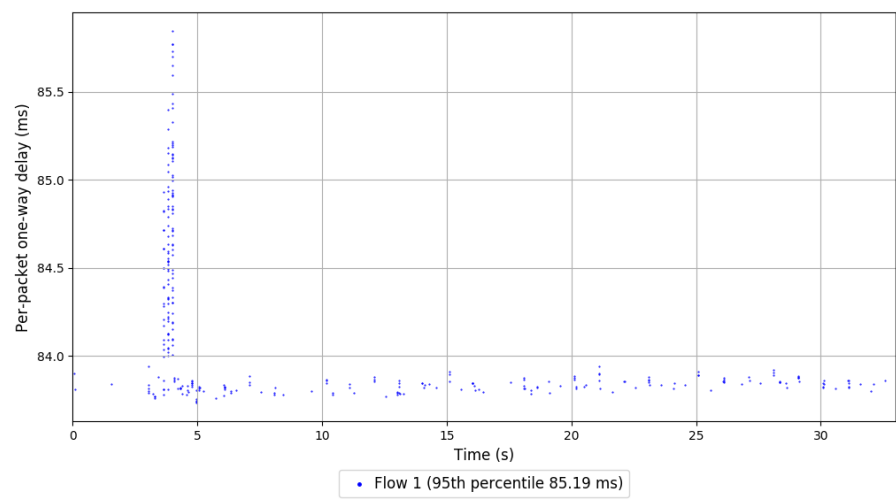
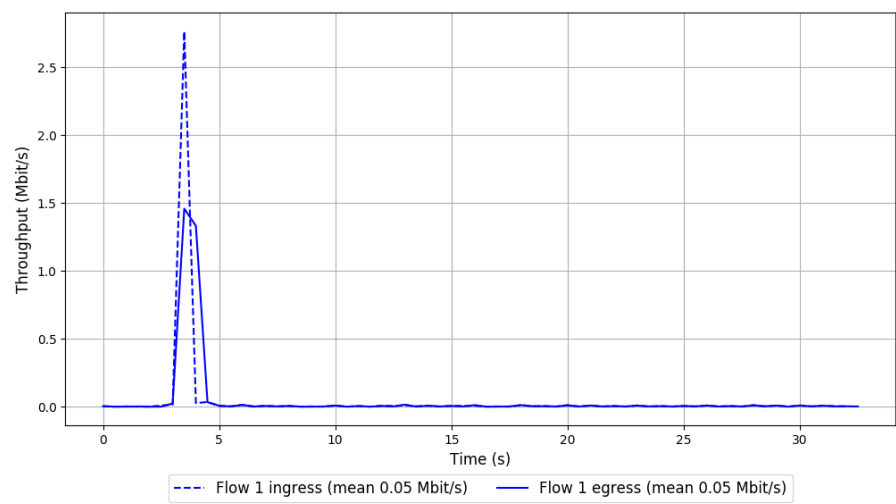
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 85.194 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-04-24 08:05:12

End at: 2018-04-24 08:05:42

Local clock offset: -8.037 ms

Remote clock offset: 2.914 ms

Below is generated by plot.py at 2018-04-24 12:13:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 83.698 ms

Loss rate: 0.00%

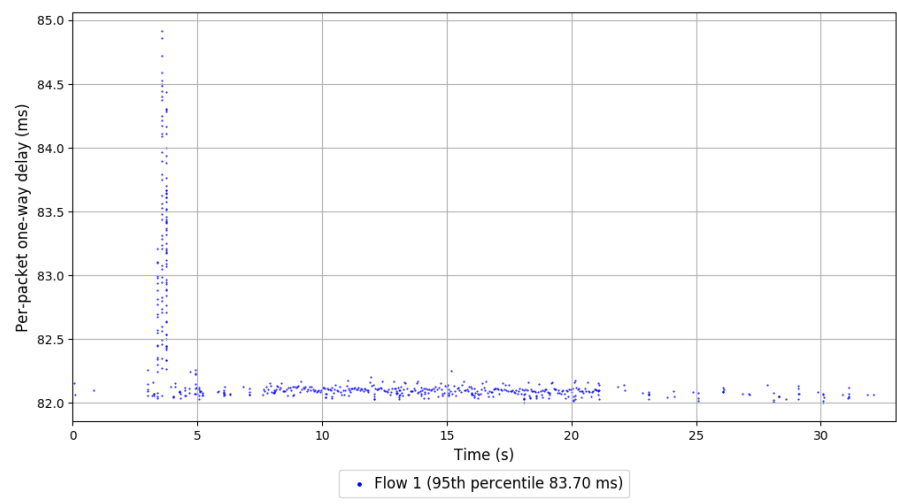
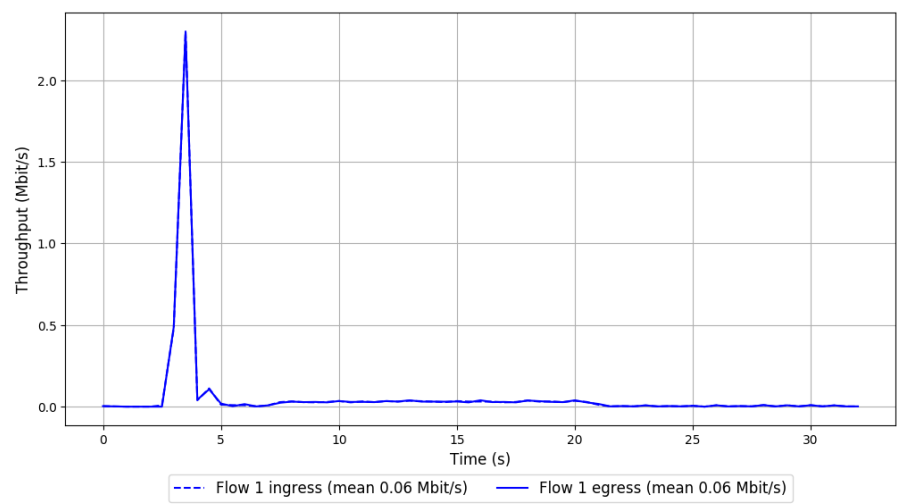
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 83.698 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-04-24 08:26:01

End at: 2018-04-24 08:26:31

Local clock offset: -9.136 ms

Remote clock offset: 3.979 ms

Below is generated by plot.py at 2018-04-24 12:13:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 83.835 ms

Loss rate: 0.00%

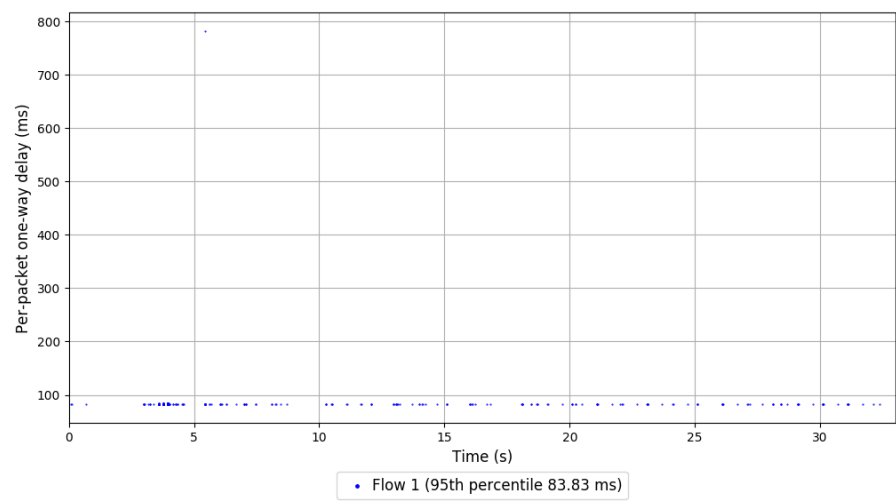
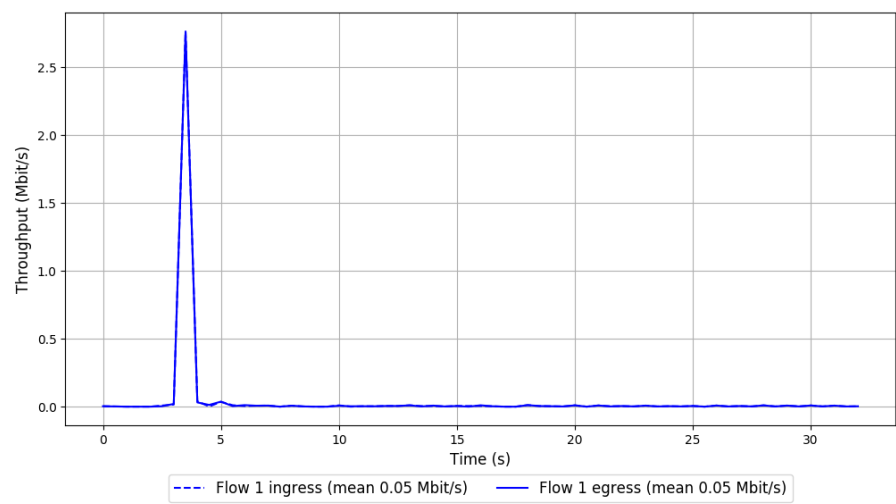
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 83.835 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

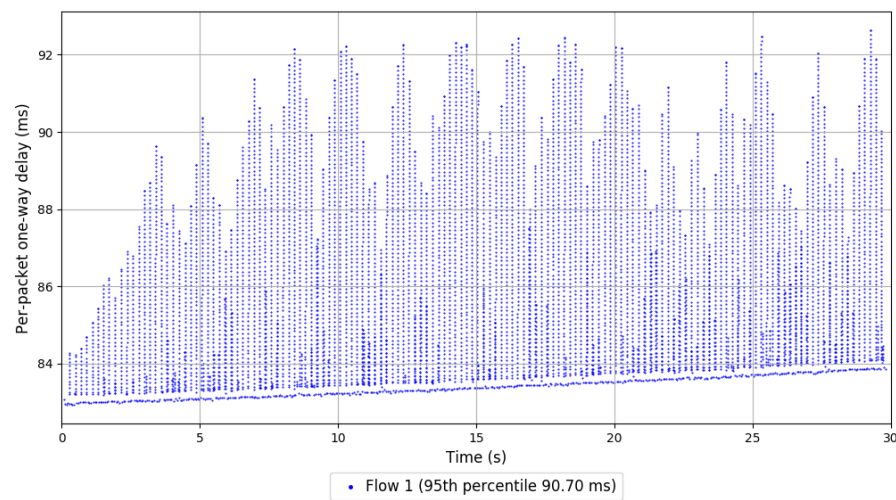
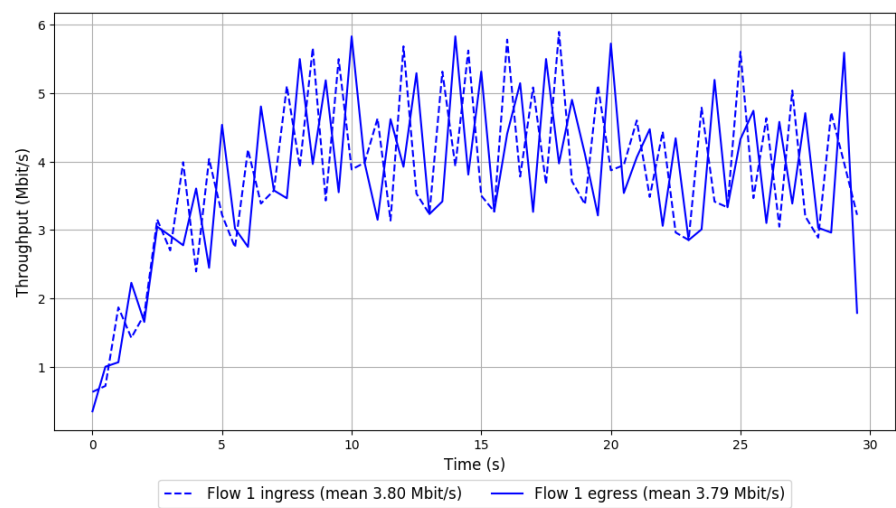


Run 1: Statistics of Sprout

Start at: 2018-04-24 05:09:23
End at: 2018-04-24 05:09:53
Local clock offset: -15.258 ms
Remote clock offset: 2.012 ms

Below is generated by plot.py at 2018-04-24 12:13:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.79 Mbit/s
95th percentile per-packet one-way delay: 90.704 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 3.79 Mbit/s
95th percentile per-packet one-way delay: 90.704 ms
Loss rate: 0.69%

Run 1: Report of Sprout — Data Link

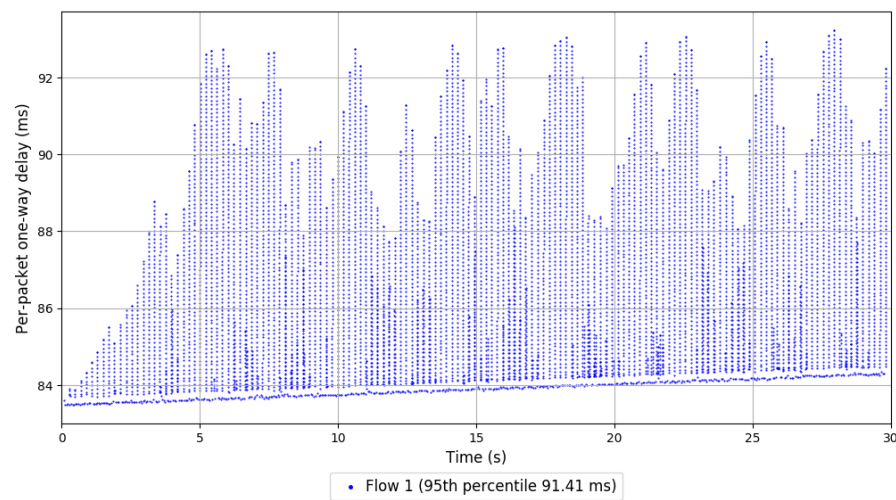
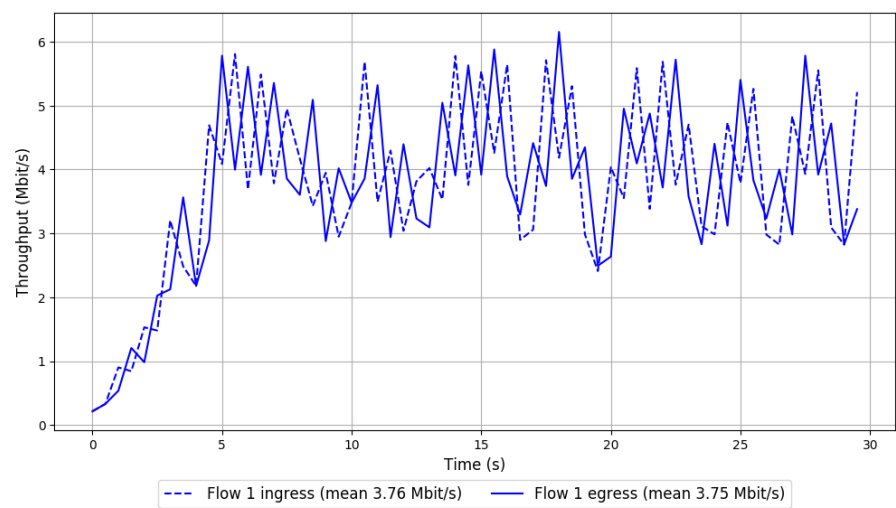


Run 2: Statistics of Sprout

Start at: 2018-04-24 05:30:17
End at: 2018-04-24 05:30:47
Local clock offset: -29.761 ms
Remote clock offset: 2.737 ms

Below is generated by plot.py at 2018-04-24 12:13:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.75 Mbit/s
95th percentile per-packet one-way delay: 91.414 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 3.75 Mbit/s
95th percentile per-packet one-way delay: 91.414 ms
Loss rate: 0.82%

Run 2: Report of Sprout — Data Link

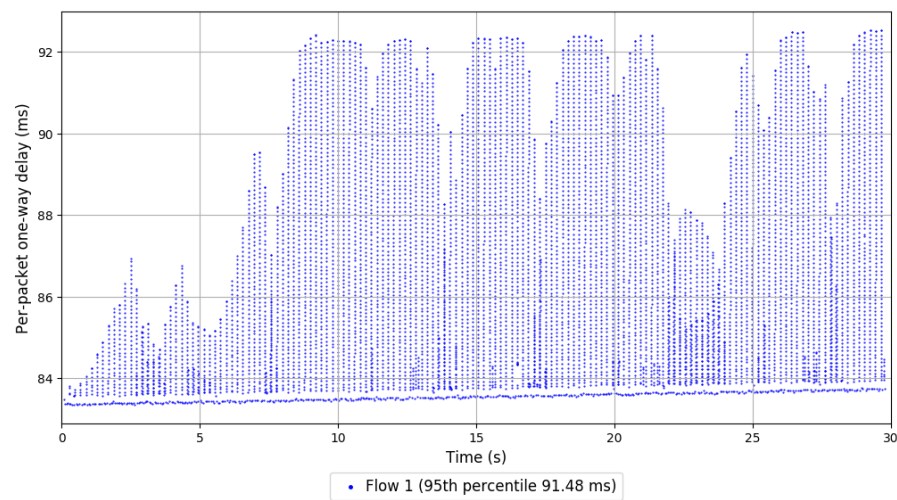
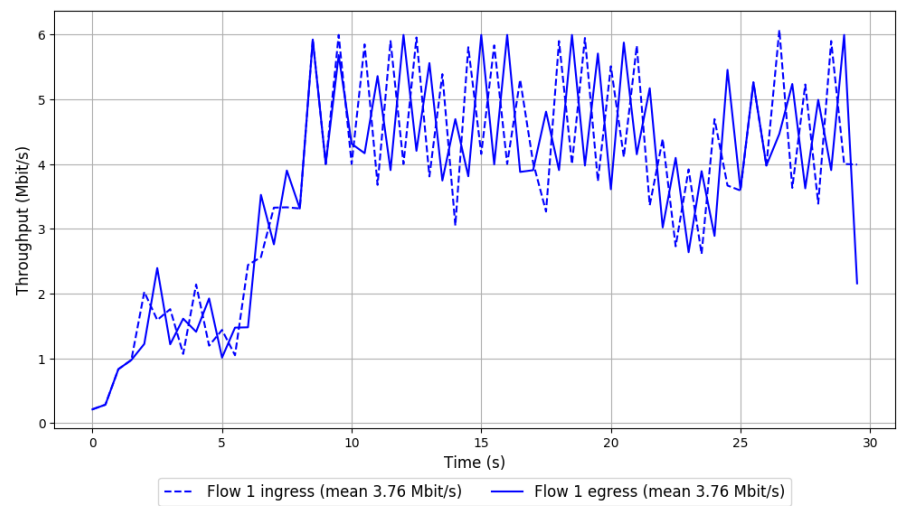


Run 3: Statistics of Sprout

Start at: 2018-04-24 05:51:09
End at: 2018-04-24 05:51:39
Local clock offset: -36.387 ms
Remote clock offset: 4.038 ms

Below is generated by plot.py at 2018-04-24 12:13:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.76 Mbit/s
95th percentile per-packet one-way delay: 91.476 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 3.76 Mbit/s
95th percentile per-packet one-way delay: 91.476 ms
Loss rate: 0.82%

Run 3: Report of Sprout — Data Link

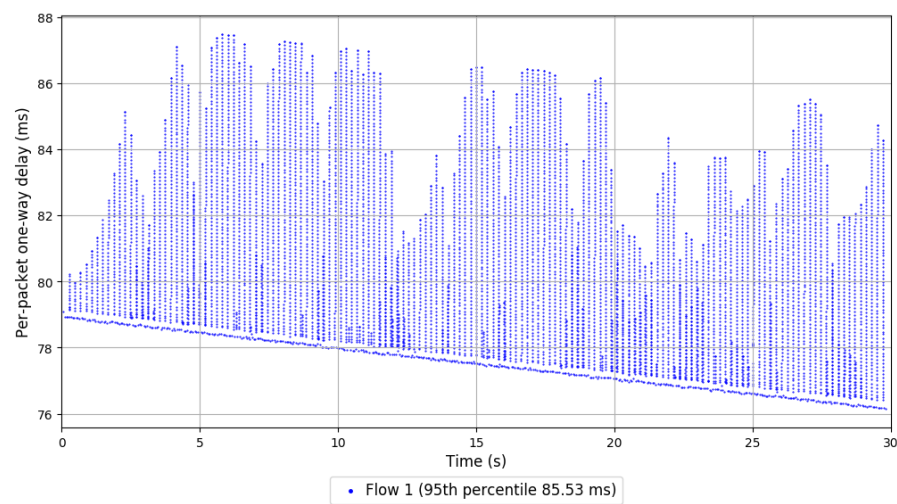
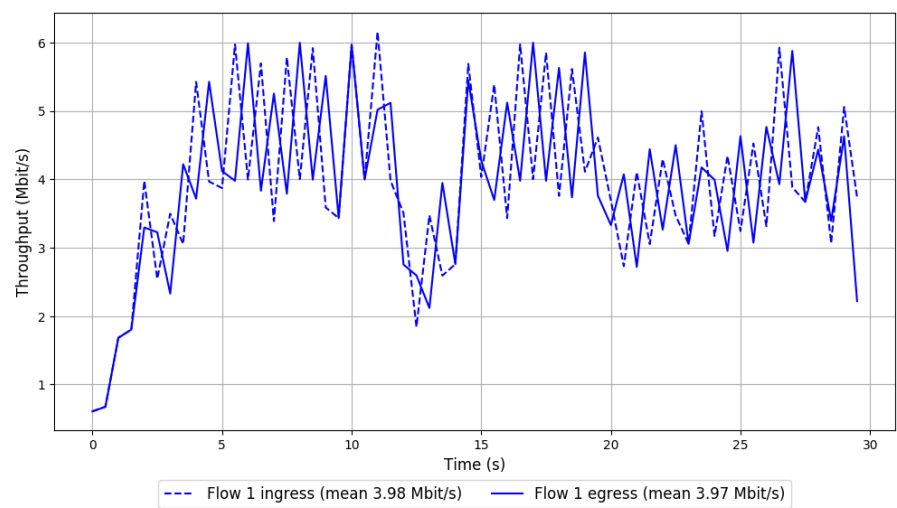


Run 4: Statistics of Sprout

Start at: 2018-04-24 06:11:58
End at: 2018-04-24 06:12:28
Local clock offset: -63.616 ms
Remote clock offset: 6.806 ms

Below is generated by plot.py at 2018-04-24 12:13:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.97 Mbit/s
95th percentile per-packet one-way delay: 85.525 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 3.97 Mbit/s
95th percentile per-packet one-way delay: 85.525 ms
Loss rate: 0.82%

Run 4: Report of Sprout — Data Link

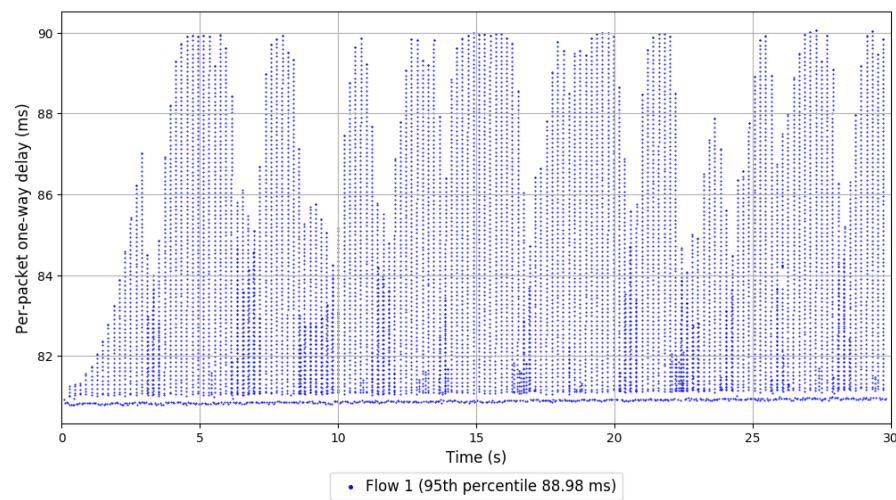
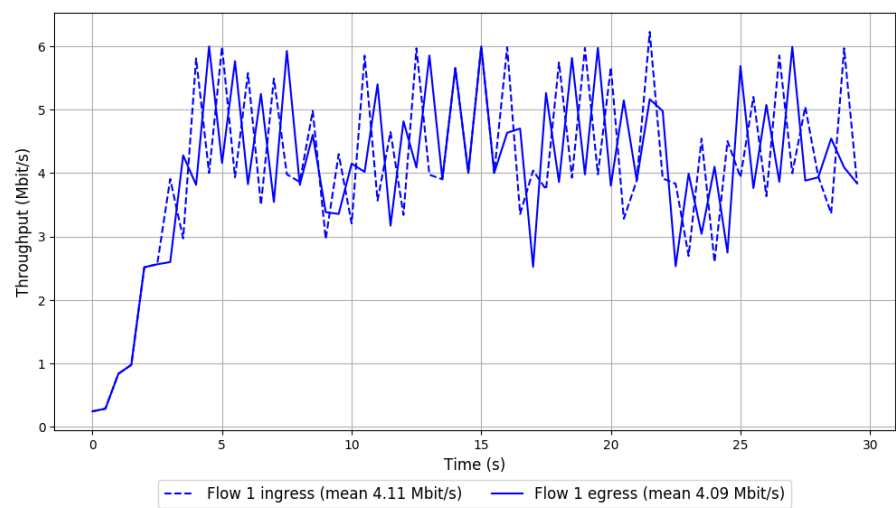


Run 5: Statistics of Sprout

Start at: 2018-04-24 06:33:06
End at: 2018-04-24 06:33:36
Local clock offset: -29.604 ms
Remote clock offset: 2.872 ms

Below is generated by plot.py at 2018-04-24 12:13:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.09 Mbit/s
95th percentile per-packet one-way delay: 88.976 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 4.09 Mbit/s
95th percentile per-packet one-way delay: 88.976 ms
Loss rate: 0.76%

Run 5: Report of Sprout — Data Link

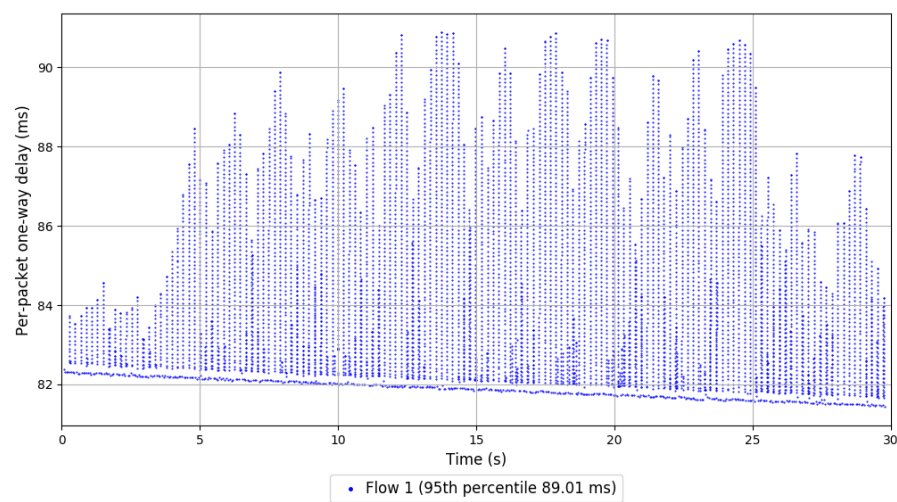
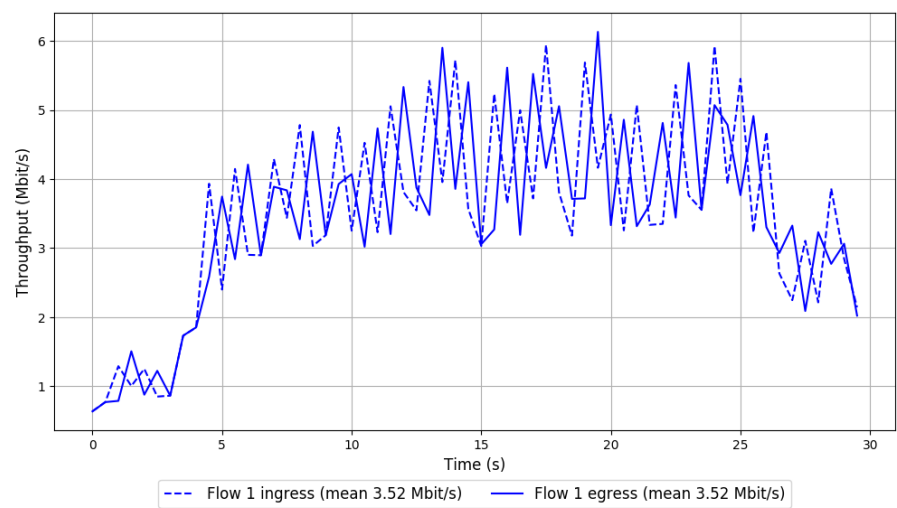


Run 6: Statistics of Sprout

Start at: 2018-04-24 06:53:58
End at: 2018-04-24 06:54:28
Local clock offset: -14.445 ms
Remote clock offset: 1.927 ms

Below is generated by plot.py at 2018-04-24 12:13:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.52 Mbit/s
95th percentile per-packet one-way delay: 89.009 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 3.52 Mbit/s
95th percentile per-packet one-way delay: 89.009 ms
Loss rate: 0.47%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-04-24 07:14:52

End at: 2018-04-24 07:15:22

Local clock offset: 0.355 ms

Remote clock offset: 6.519 ms

Below is generated by plot.py at 2018-04-24 12:13:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.71 Mbit/s

95th percentile per-packet one-way delay: 87.388 ms

Loss rate: 0.75%

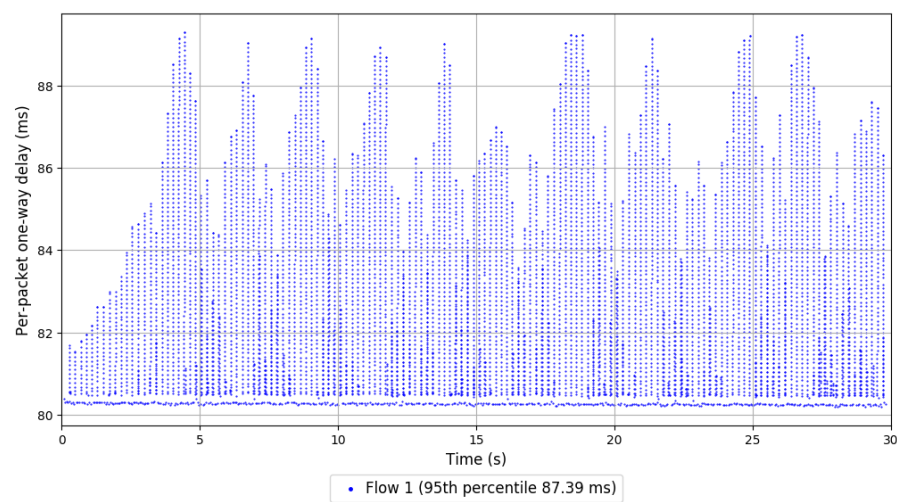
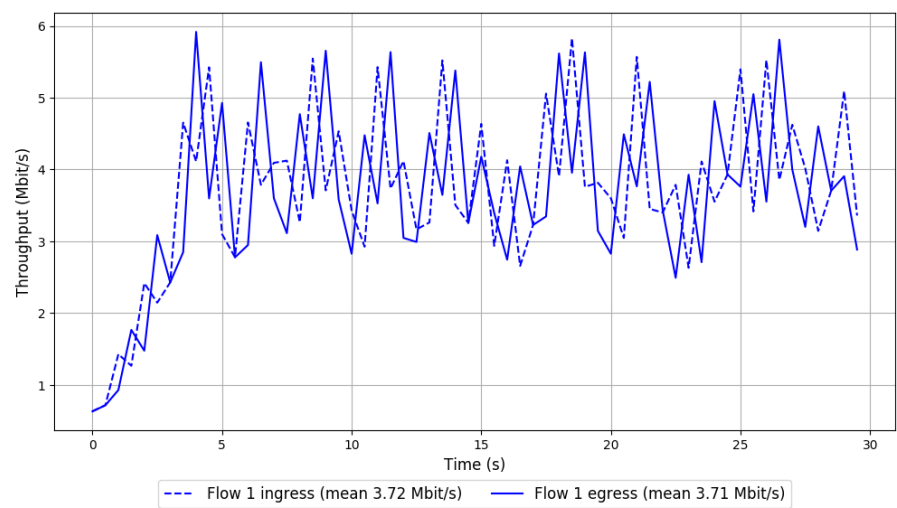
-- Flow 1:

Average throughput: 3.71 Mbit/s

95th percentile per-packet one-way delay: 87.388 ms

Loss rate: 0.75%

Run 7: Report of Sprout — Data Link

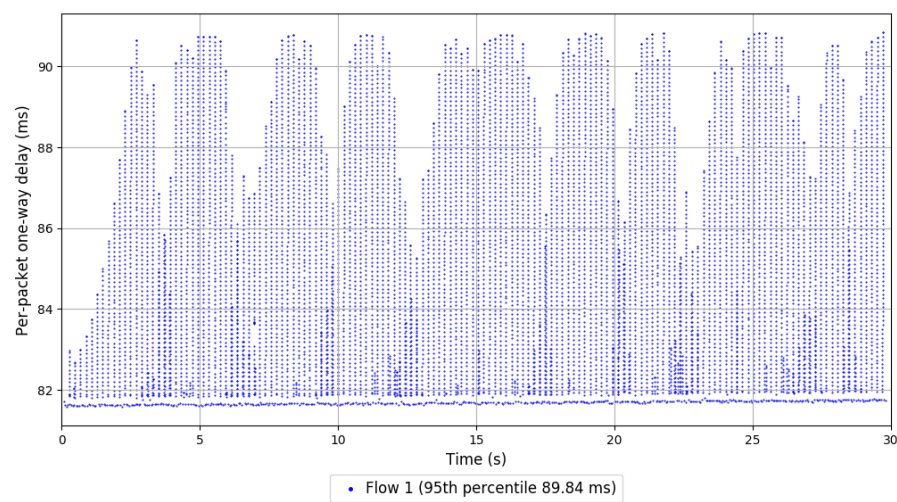
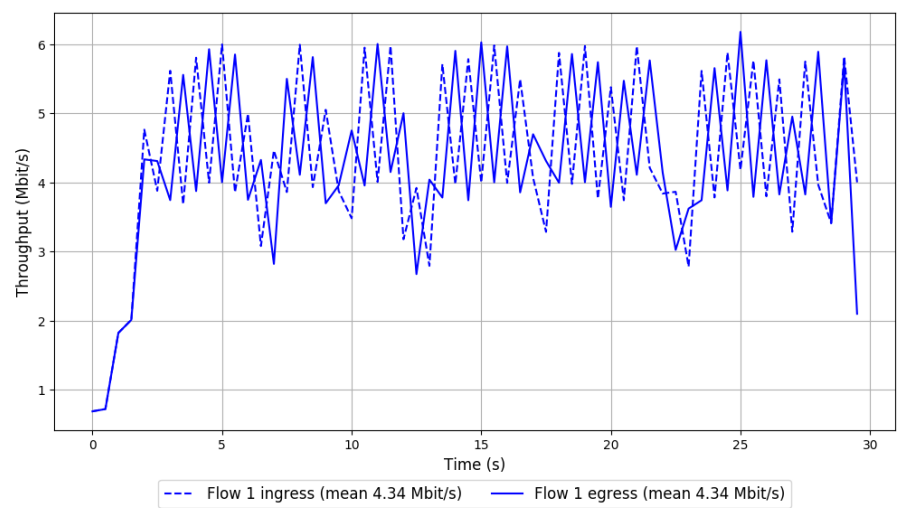


Run 8: Statistics of Sprout

Start at: 2018-04-24 07:35:43
End at: 2018-04-24 07:36:13
Local clock offset: -6.649 ms
Remote clock offset: 4.121 ms

Below is generated by plot.py at 2018-04-24 12:13:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: 89.842 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: 89.842 ms
Loss rate: 0.77%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-04-24 07:56:34

End at: 2018-04-24 07:57:04

Local clock offset: -8.607 ms

Remote clock offset: 5.929 ms

Below is generated by plot.py at 2018-04-24 12:13:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.85 Mbit/s

95th percentile per-packet one-way delay: 86.580 ms

Loss rate: 0.86%

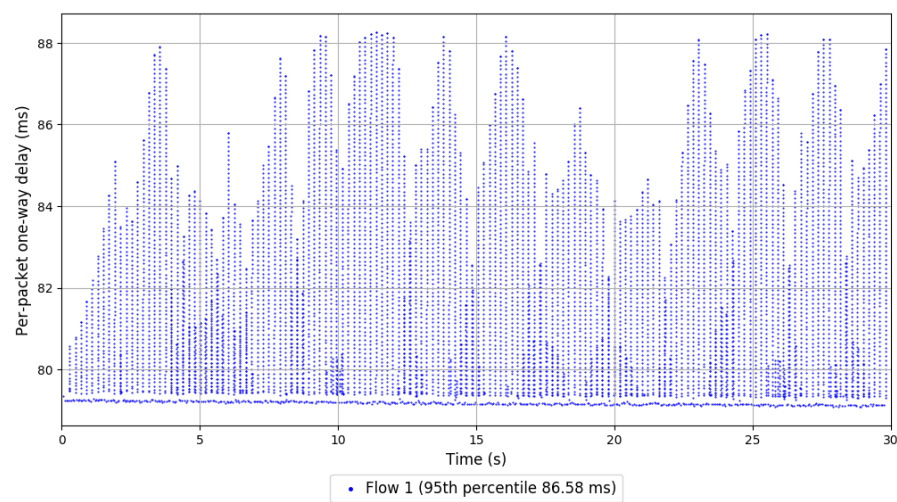
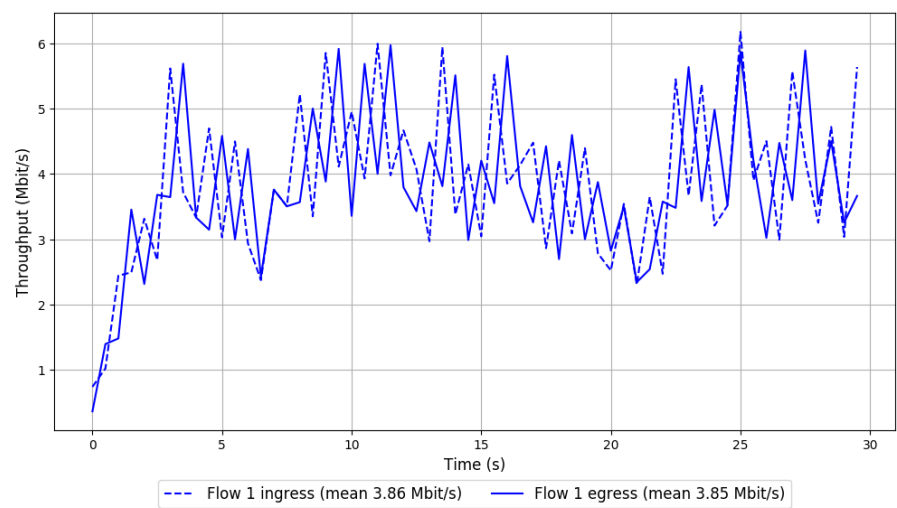
-- Flow 1:

Average throughput: 3.85 Mbit/s

95th percentile per-packet one-way delay: 86.580 ms

Loss rate: 0.86%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-04-24 08:17:27

End at: 2018-04-24 08:17:57

Local clock offset: -7.971 ms

Remote clock offset: 7.315 ms

Below is generated by plot.py at 2018-04-24 12:13:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.15 Mbit/s

95th percentile per-packet one-way delay: 88.103 ms

Loss rate: 0.63%

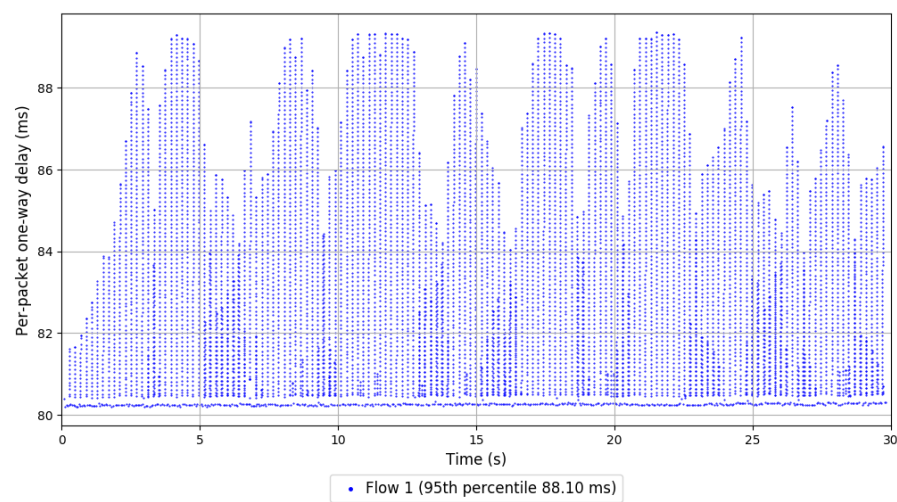
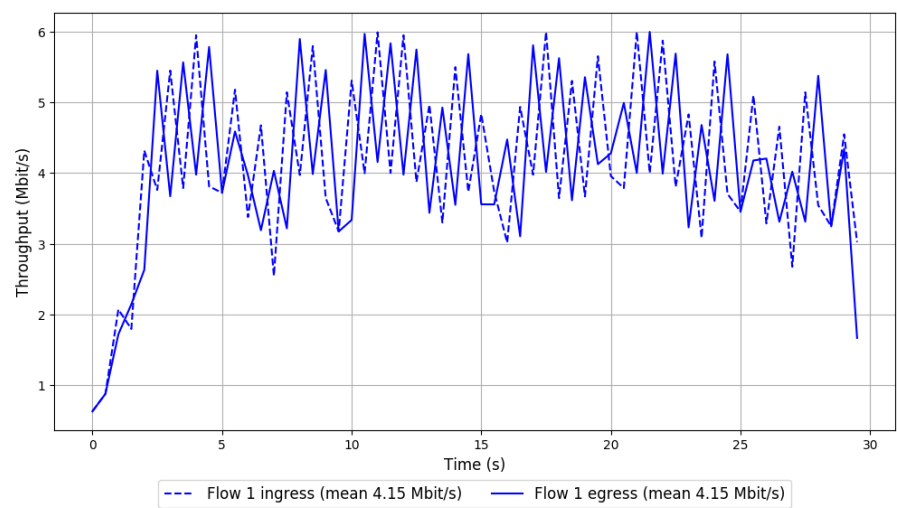
-- Flow 1:

Average throughput: 4.15 Mbit/s

95th percentile per-packet one-way delay: 88.103 ms

Loss rate: 0.63%

Run 10: Report of Sprout — Data Link

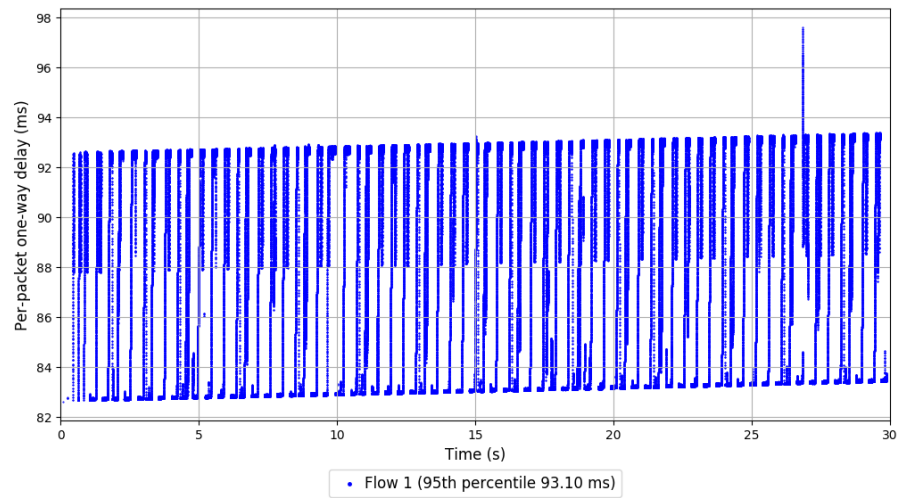
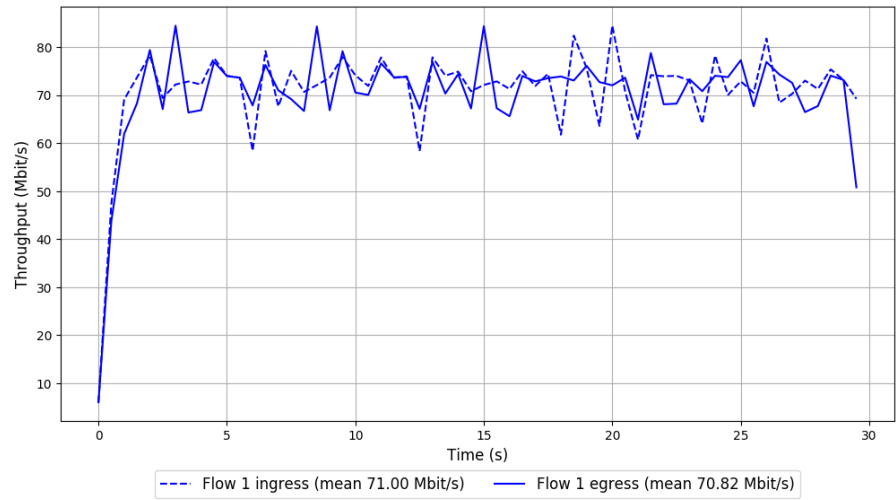


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-04-24 05:15:33
End at: 2018-04-24 05:16:03
Local clock offset: -20.81 ms
Remote clock offset: 2.988 ms

# Below is generated by plot.py at 2018-04-24 12:15:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.82 Mbit/s
95th percentile per-packet one-way delay: 93.101 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 70.82 Mbit/s
95th percentile per-packet one-way delay: 93.101 ms
Loss rate: 0.85%
```

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

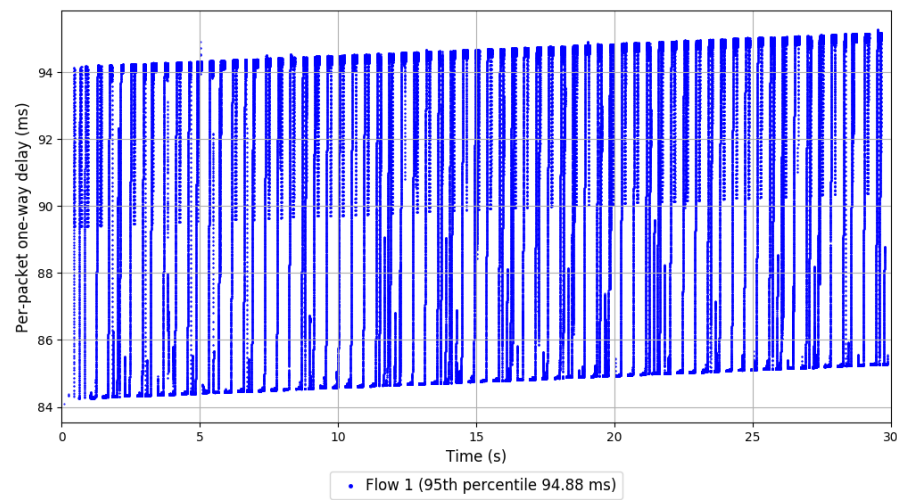
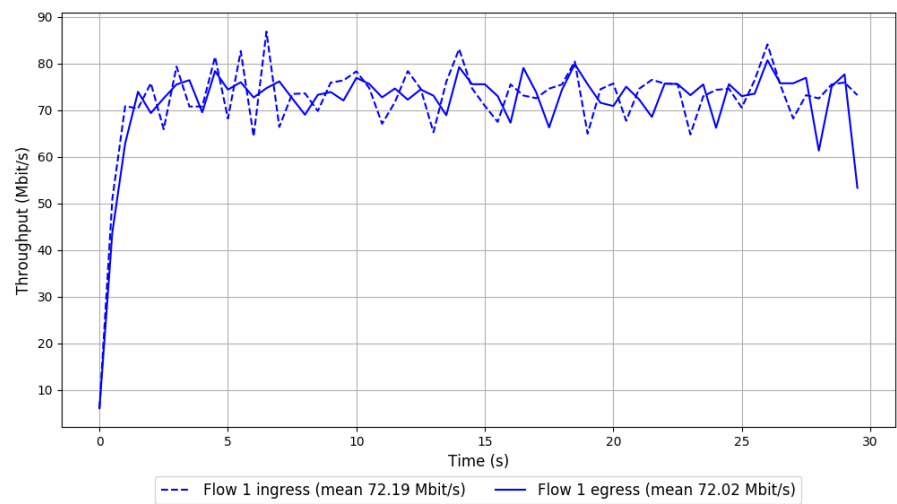


Run 2: Statistics of TaoVA-100x

Start at: 2018-04-24 05:36:27
End at: 2018-04-24 05:36:57
Local clock offset: -41.776 ms
Remote clock offset: 3.734 ms

Below is generated by plot.py at 2018-04-24 12:15:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.02 Mbit/s
95th percentile per-packet one-way delay: 94.879 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 72.02 Mbit/s
95th percentile per-packet one-way delay: 94.879 ms
Loss rate: 0.84%

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

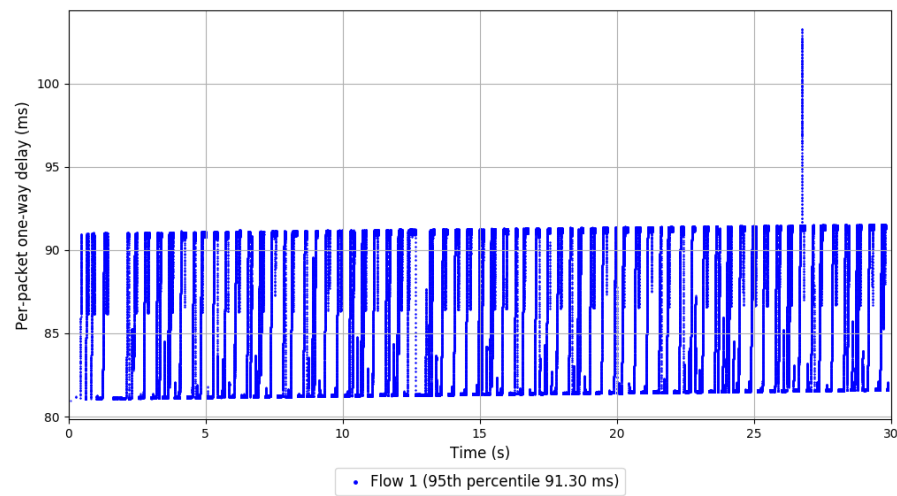
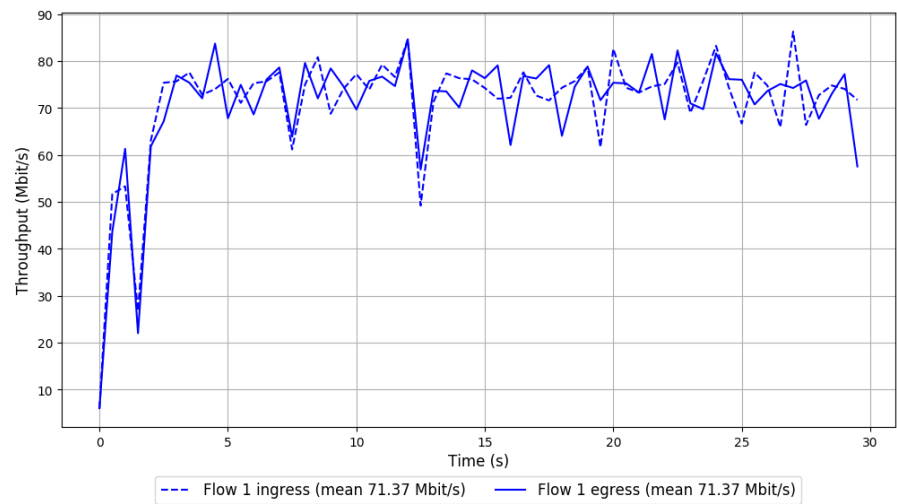


Run 3: Statistics of TaoVA-100x

Start at: 2018-04-24 05:57:18
End at: 2018-04-24 05:57:48
Local clock offset: -43.134 ms
Remote clock offset: 3.84 ms

Below is generated by plot.py at 2018-04-24 12:15:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.37 Mbit/s
95th percentile per-packet one-way delay: 91.298 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 71.37 Mbit/s
95th percentile per-packet one-way delay: 91.298 ms
Loss rate: 0.59%

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

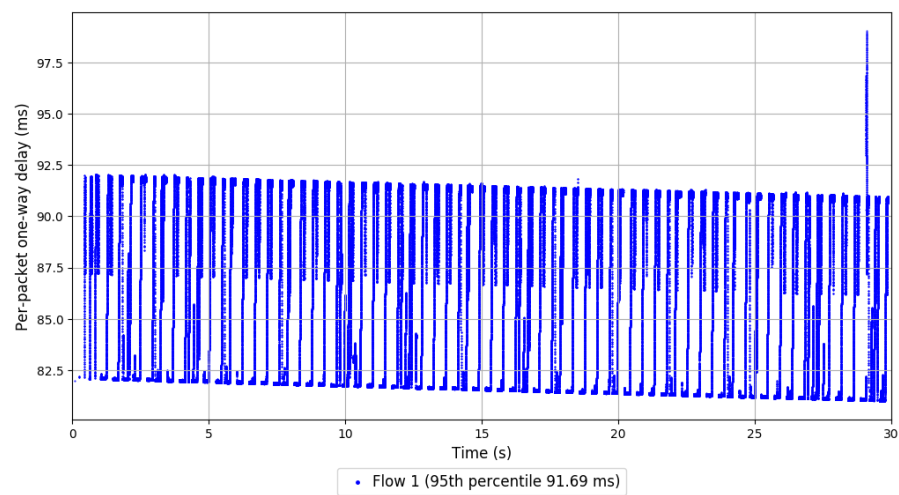
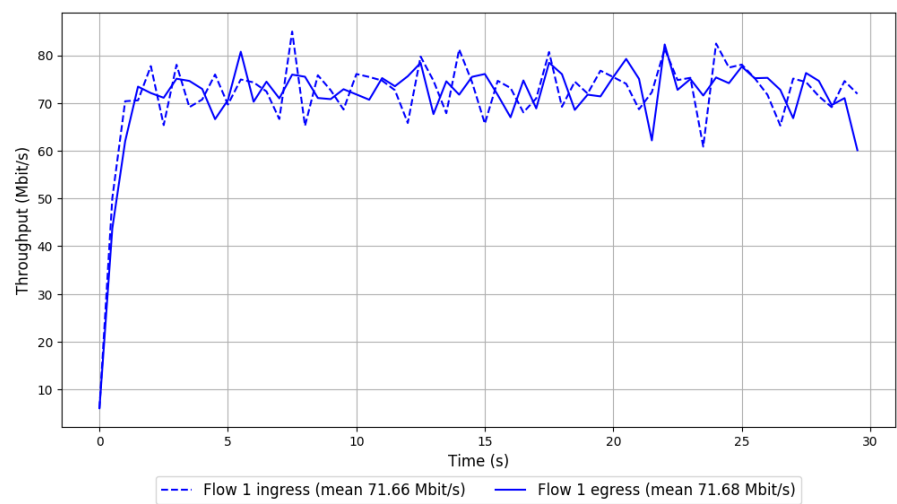


Run 4: Statistics of TaoVA-100x

Start at: 2018-04-24 06:18:23
End at: 2018-04-24 06:18:53
Local clock offset: -39.041 ms
Remote clock offset: 2.114 ms

Below is generated by plot.py at 2018-04-24 12:15:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.68 Mbit/s
95th percentile per-packet one-way delay: 91.692 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 71.68 Mbit/s
95th percentile per-packet one-way delay: 91.692 ms
Loss rate: 0.57%

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

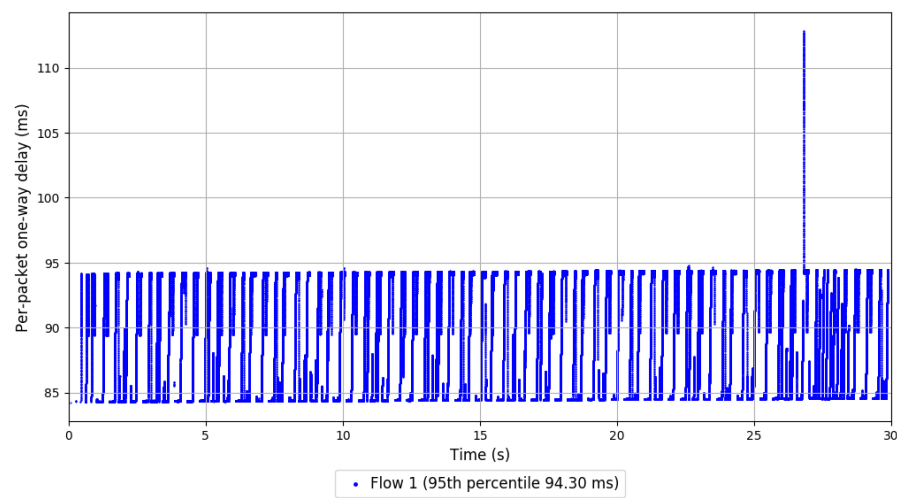
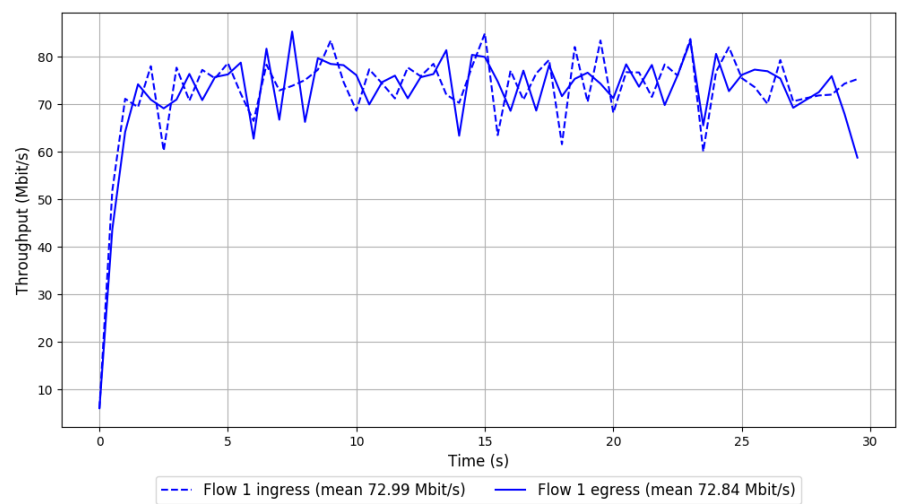


Run 5: Statistics of TaoVA-100x

Start at: 2018-04-24 06:39:16
End at: 2018-04-24 06:39:46
Local clock offset: -30.566 ms
Remote clock offset: 2.876 ms

Below is generated by plot.py at 2018-04-24 12:15:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.84 Mbit/s
95th percentile per-packet one-way delay: 94.303 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 72.84 Mbit/s
95th percentile per-packet one-way delay: 94.303 ms
Loss rate: 0.70%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-04-24 07:00:08

End at: 2018-04-24 07:00:38

Local clock offset: -5.455 ms

Remote clock offset: 1.933 ms

Below is generated by plot.py at 2018-04-24 12:15:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.90 Mbit/s

95th percentile per-packet one-way delay: 91.748 ms

Loss rate: 7.68%

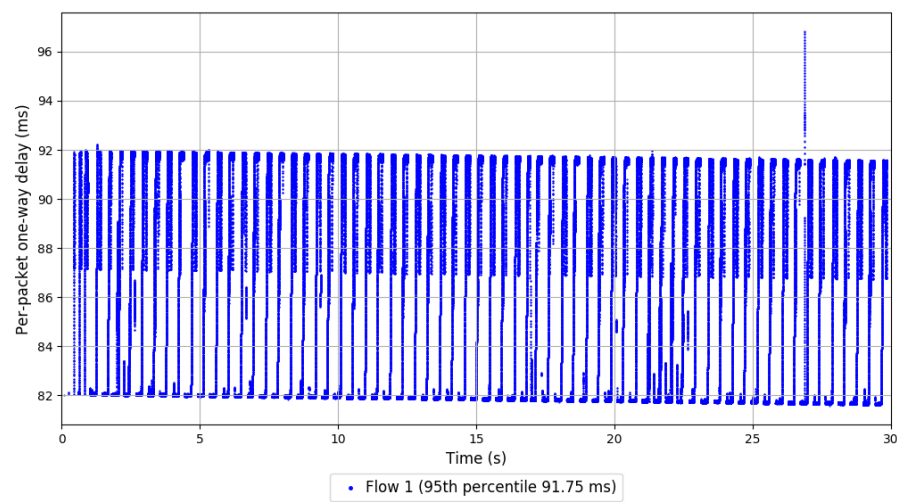
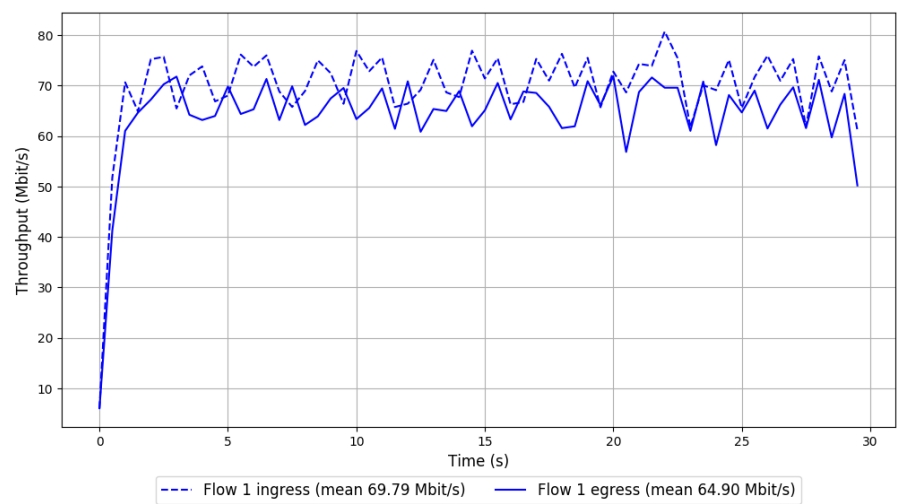
-- Flow 1:

Average throughput: 64.90 Mbit/s

95th percentile per-packet one-way delay: 91.748 ms

Loss rate: 7.68%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-04-24 07:21:01

End at: 2018-04-24 07:21:31

Local clock offset: 1.428 ms

Remote clock offset: 7.677 ms

Below is generated by plot.py at 2018-04-24 12:15:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.69 Mbit/s

95th percentile per-packet one-way delay: 88.536 ms

Loss rate: 0.52%

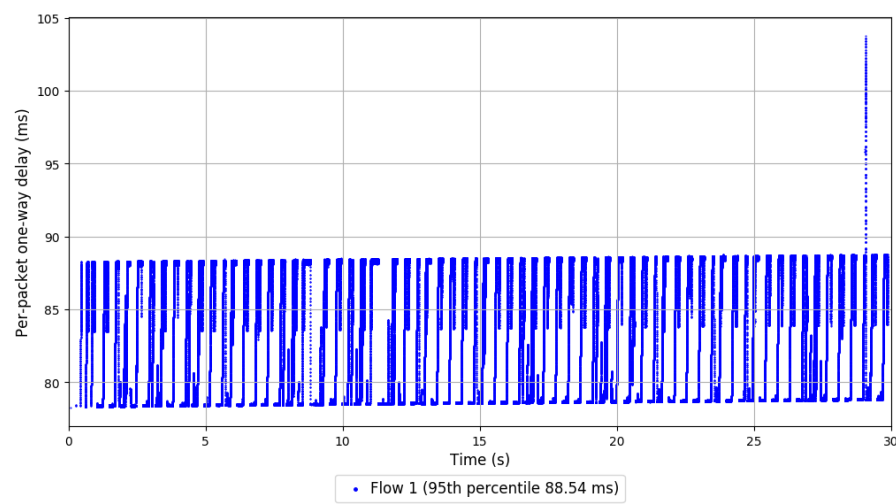
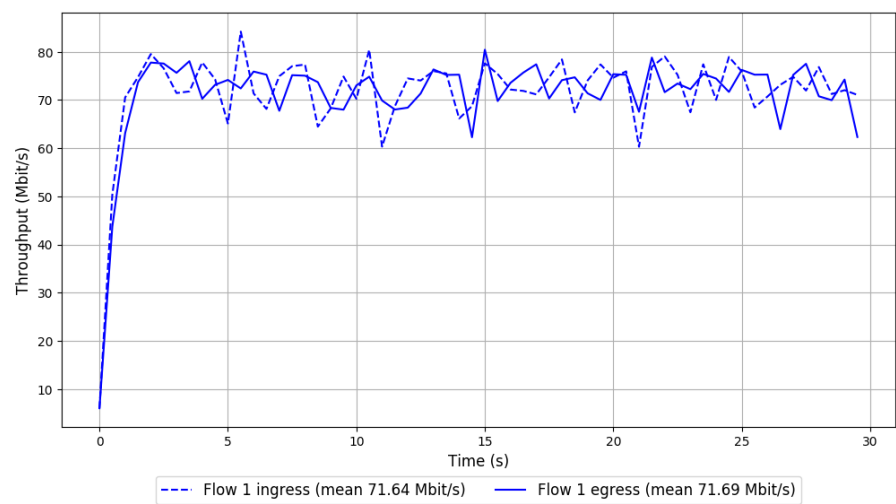
-- Flow 1:

Average throughput: 71.69 Mbit/s

95th percentile per-packet one-way delay: 88.536 ms

Loss rate: 0.52%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-04-24 07:41:53

End at: 2018-04-24 07:42:23

Local clock offset: -8.043 ms

Remote clock offset: 2.775 ms

Below is generated by plot.py at 2018-04-24 12:15:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.46 Mbit/s

95th percentile per-packet one-way delay: 93.904 ms

Loss rate: 0.57%

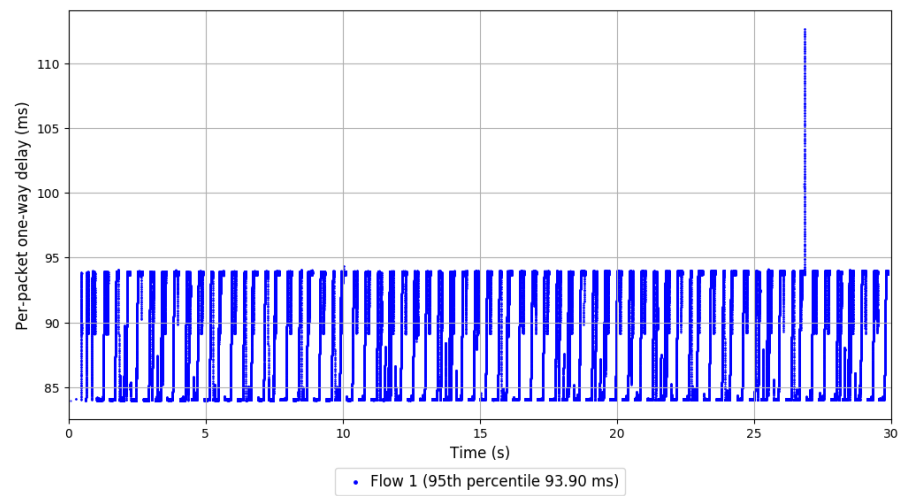
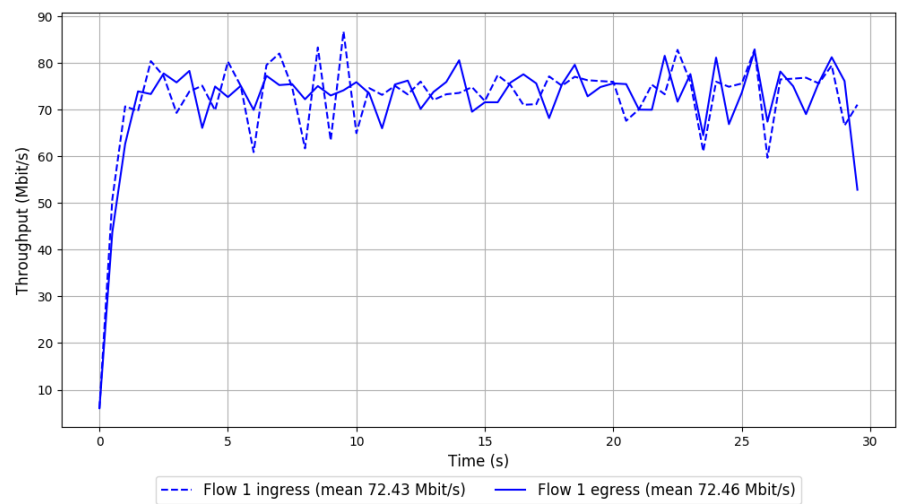
-- Flow 1:

Average throughput: 72.46 Mbit/s

95th percentile per-packet one-way delay: 93.904 ms

Loss rate: 0.57%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-04-24 08:02:45

End at: 2018-04-24 08:03:15

Local clock offset: -9.018 ms

Remote clock offset: 2.852 ms

Below is generated by plot.py at 2018-04-24 12:17:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.56 Mbit/s

95th percentile per-packet one-way delay: 92.791 ms

Loss rate: 0.62%

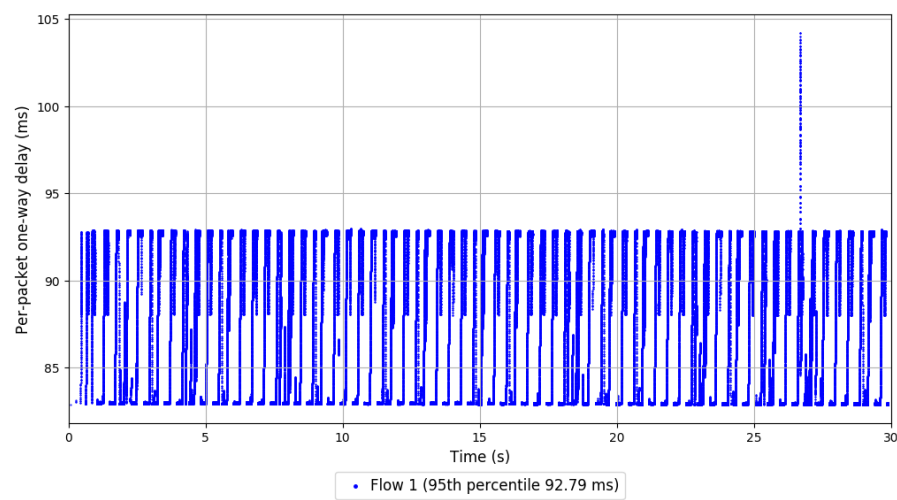
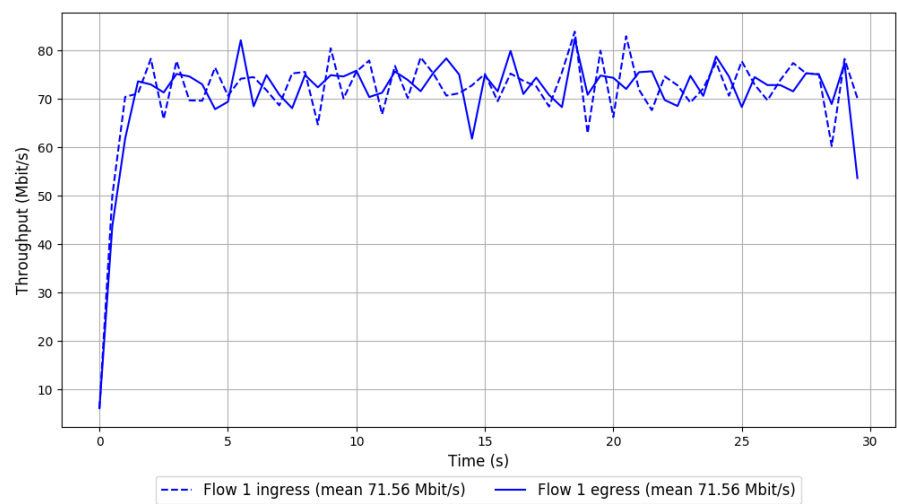
-- Flow 1:

Average throughput: 71.56 Mbit/s

95th percentile per-packet one-way delay: 92.791 ms

Loss rate: 0.62%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-04-24 08:23:35

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

Local clock offset: -8.16 ms

Remote clock offset: 3.046 ms

Below is generated by plot.py at 2018-04-24 12:17:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.58 Mbit/s

95th percentile per-packet one-way delay: 94.146 ms

Loss rate: 0.52%

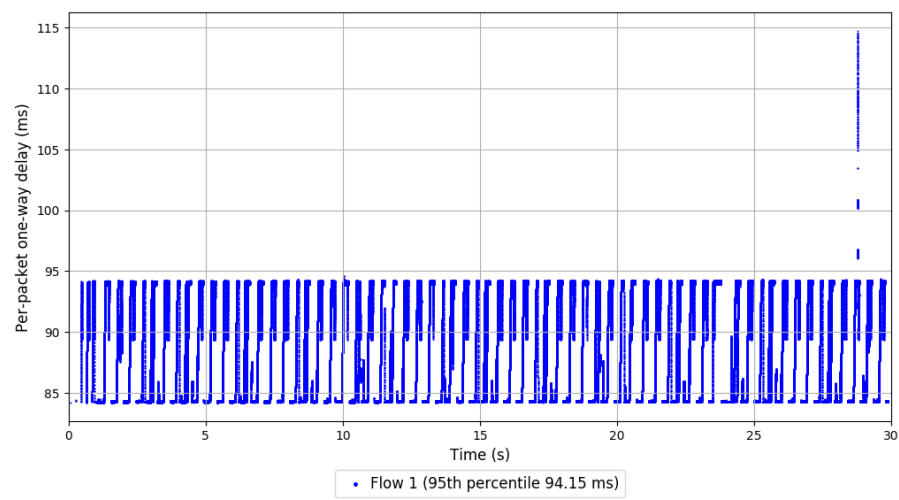
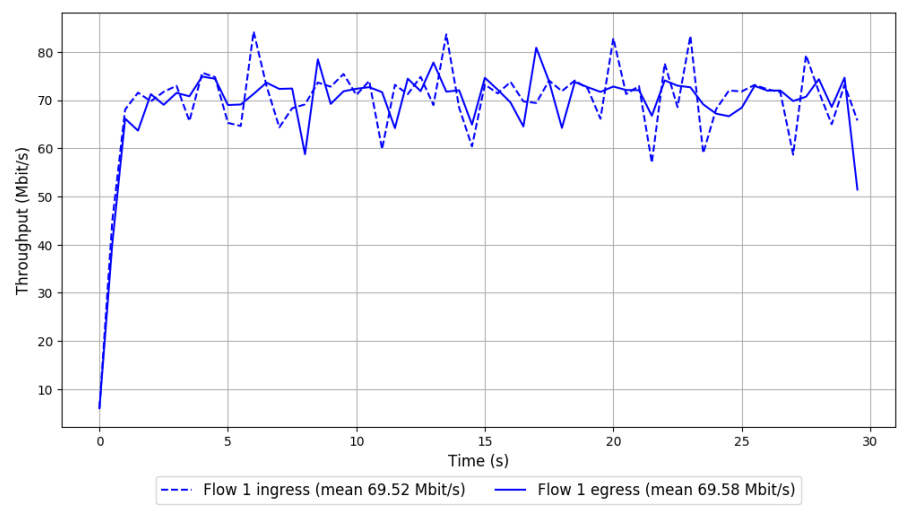
-- Flow 1:

Average throughput: 69.58 Mbit/s

95th percentile per-packet one-way delay: 94.146 ms

Loss rate: 0.52%

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

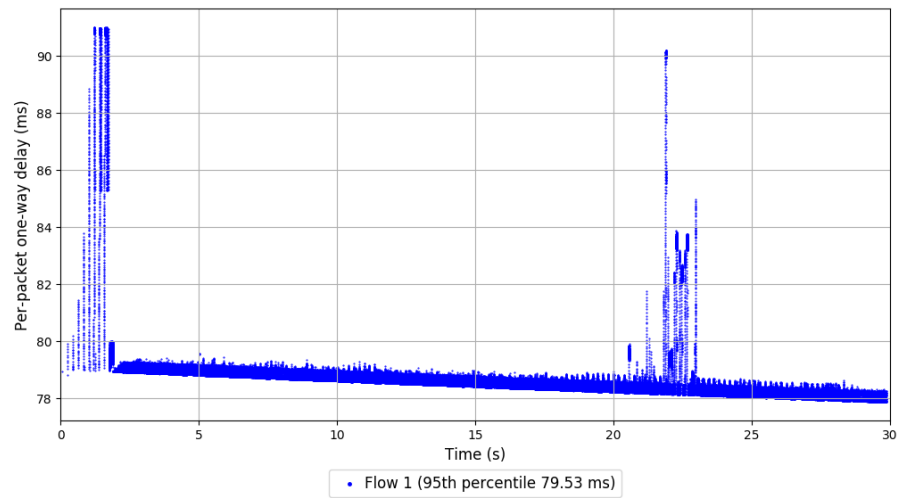
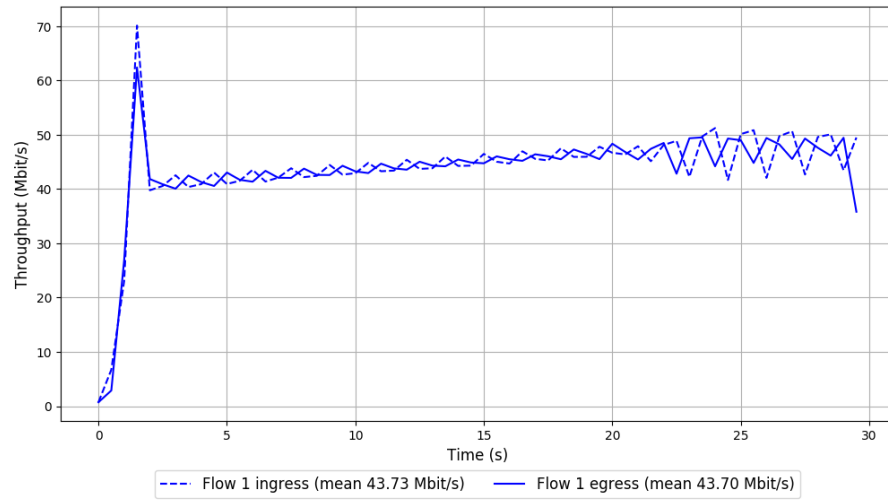


Run 1: Statistics of TCP Vegas

Start at: 2018-04-24 05:21:38
End at: 2018-04-24 05:22:08
Local clock offset: -30.068 ms
Remote clock offset: 6.865 ms

Below is generated by plot.py at 2018-04-24 12:17:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 43.70 Mbit/s
95th percentile per-packet one-way delay: 79.534 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 43.70 Mbit/s
95th percentile per-packet one-way delay: 79.534 ms
Loss rate: 0.68%

Run 1: Report of TCP Vegas — Data Link

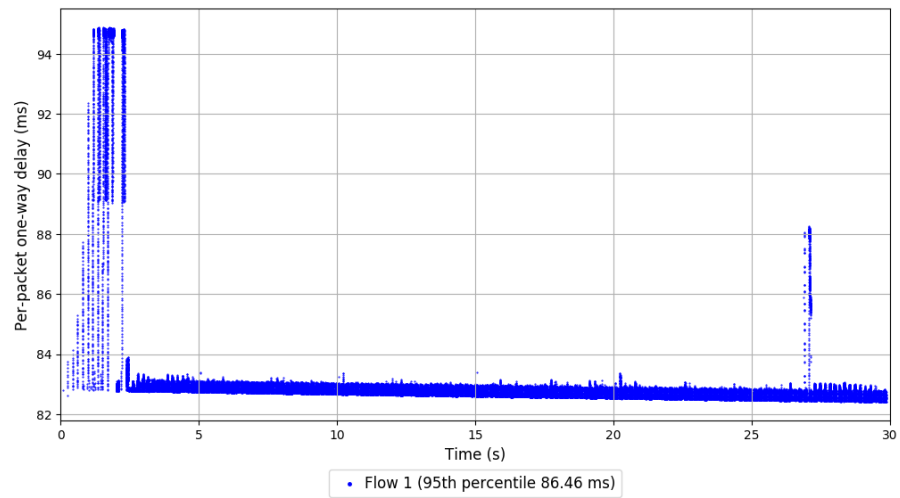
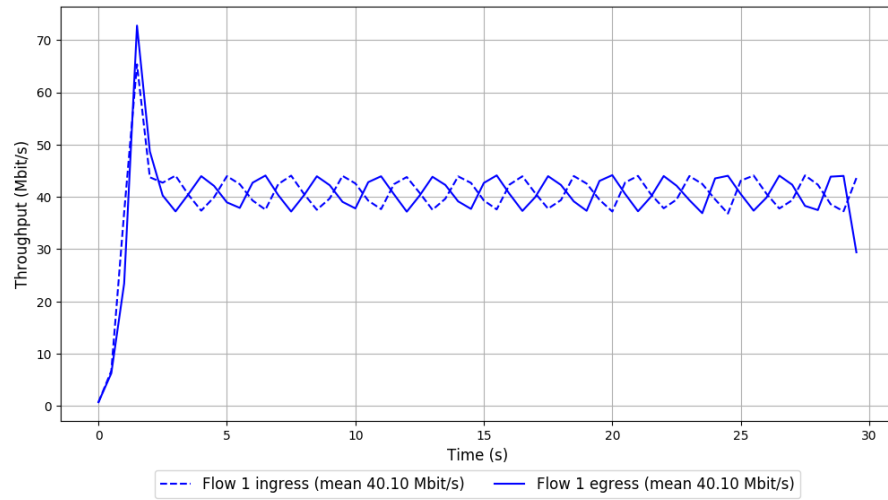


Run 2: Statistics of TCP Vegas

Start at: 2018-04-24 05:42:31
End at: 2018-04-24 05:43:02
Local clock offset: -36.589 ms
Remote clock offset: 3.046 ms

Below is generated by plot.py at 2018-04-24 12:17:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.10 Mbit/s
95th percentile per-packet one-way delay: 86.463 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 40.10 Mbit/s
95th percentile per-packet one-way delay: 86.463 ms
Loss rate: 0.61%

Run 2: Report of TCP Vegas — Data Link

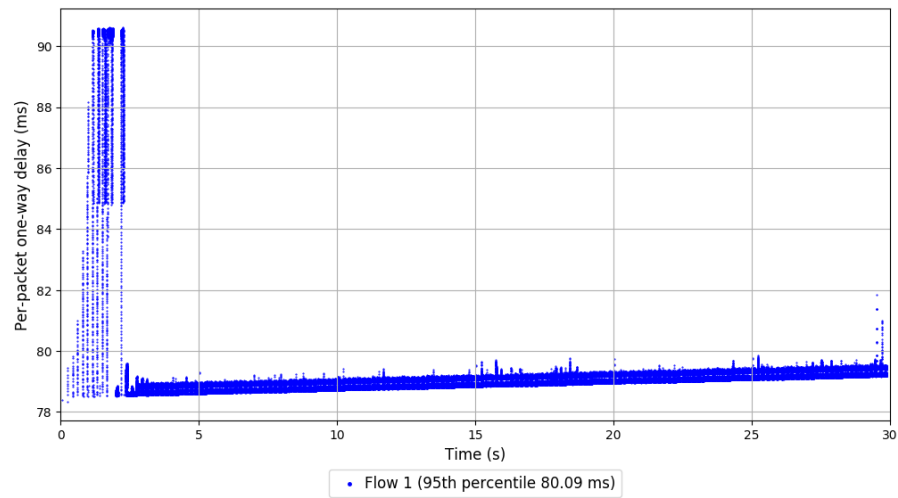
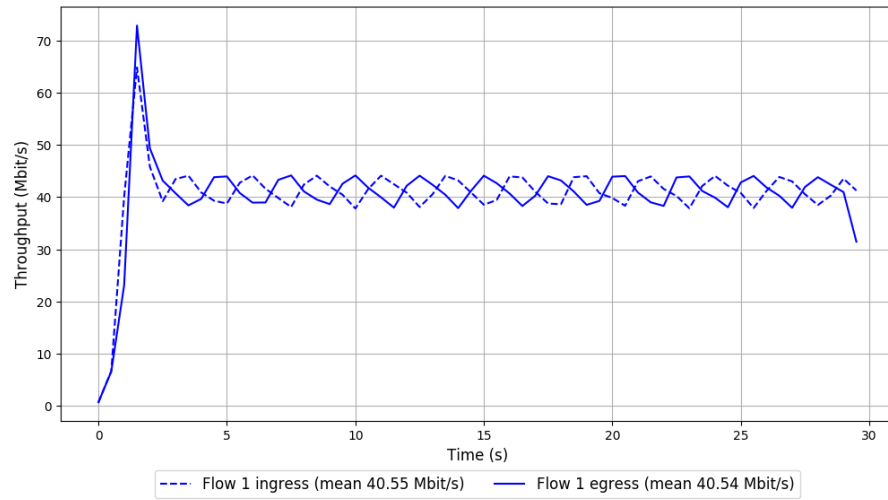


Run 3: Statistics of TCP Vegas

Start at: 2018-04-24 06:03:22
End at: 2018-04-24 06:03:52
Local clock offset: -50.874 ms
Remote clock offset: 7.069 ms

Below is generated by plot.py at 2018-04-24 12:17:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.54 Mbit/s
95th percentile per-packet one-way delay: 80.093 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 40.54 Mbit/s
95th percentile per-packet one-way delay: 80.093 ms
Loss rate: 0.60%

Run 3: Report of TCP Vegas — Data Link

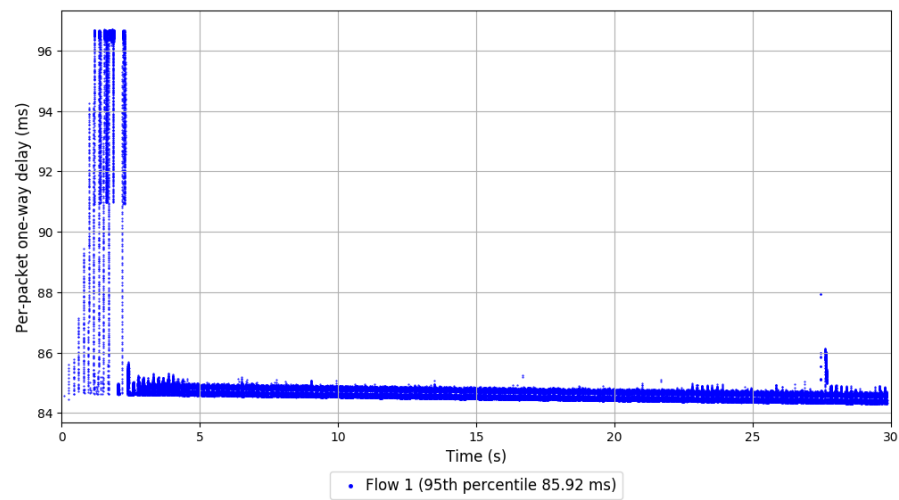
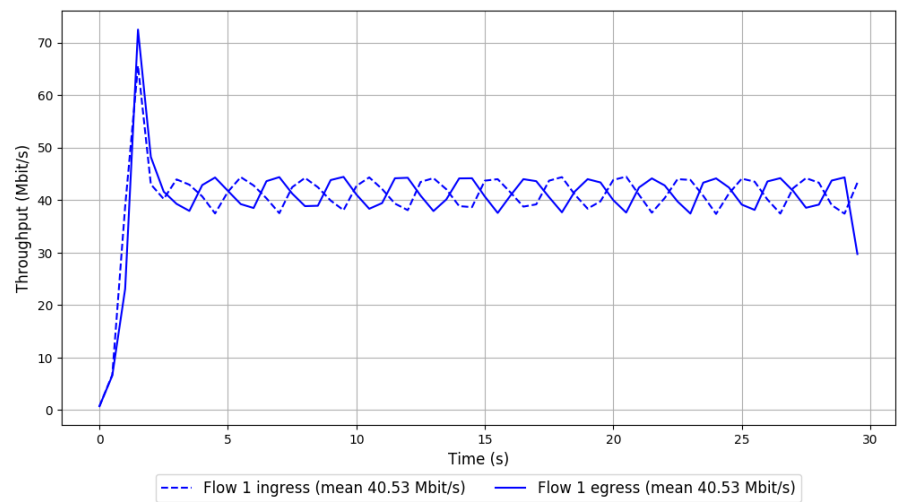


Run 4: Statistics of TCP Vegas

Start at: 2018-04-24 06:24:28
End at: 2018-04-24 06:24:58
Local clock offset: -29.655 ms
Remote clock offset: 2.036 ms

Below is generated by plot.py at 2018-04-24 12:17:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.53 Mbit/s
95th percentile per-packet one-way delay: 85.922 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 40.53 Mbit/s
95th percentile per-packet one-way delay: 85.922 ms
Loss rate: 0.61%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-04-24 06:45:21

End at: 2018-04-24 06:45:51

Local clock offset: -34.2 ms

Remote clock offset: 2.879 ms

Below is generated by plot.py at 2018-04-24 12:17:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.20 Mbit/s

95th percentile per-packet one-way delay: 85.100 ms

Loss rate: 0.69%

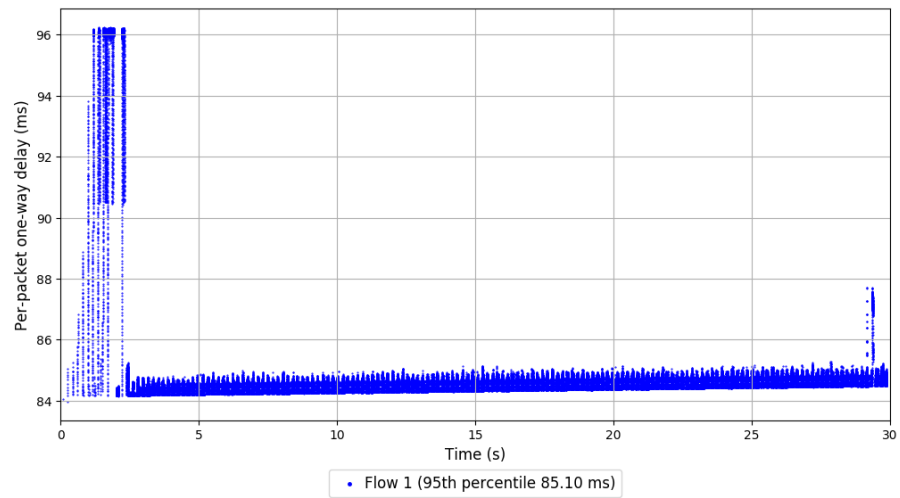
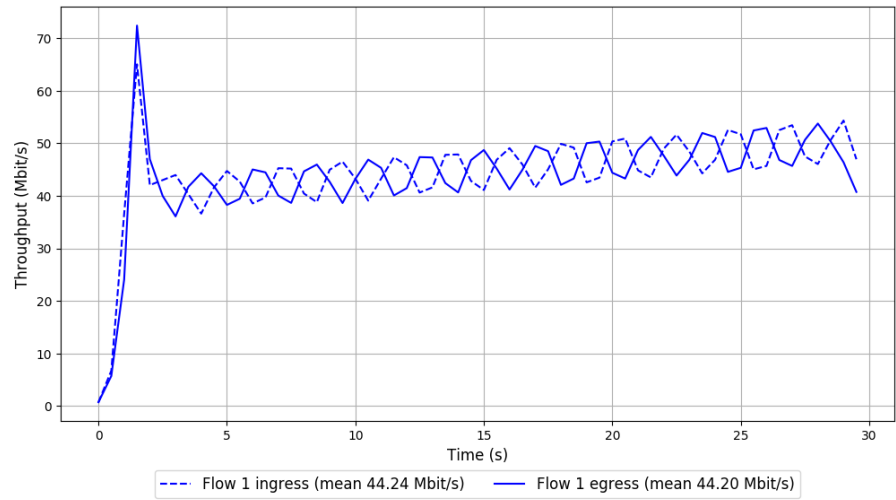
-- Flow 1:

Average throughput: 44.20 Mbit/s

95th percentile per-packet one-way delay: 85.100 ms

Loss rate: 0.69%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

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

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

Local clock offset: -2.218 ms

Remote clock offset: 2.2 ms

Below is generated by plot.py at 2018-04-24 12:17:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.07 Mbit/s

95th percentile per-packet one-way delay: 84.360 ms

Loss rate: 0.69%

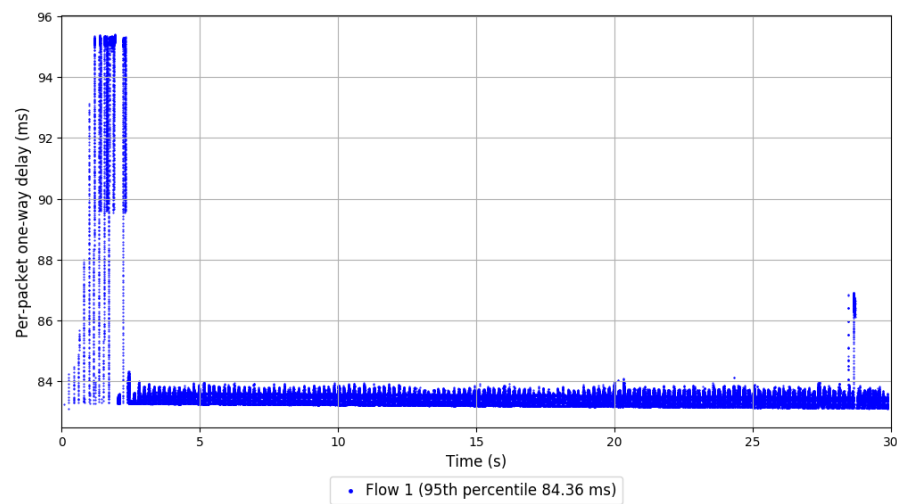
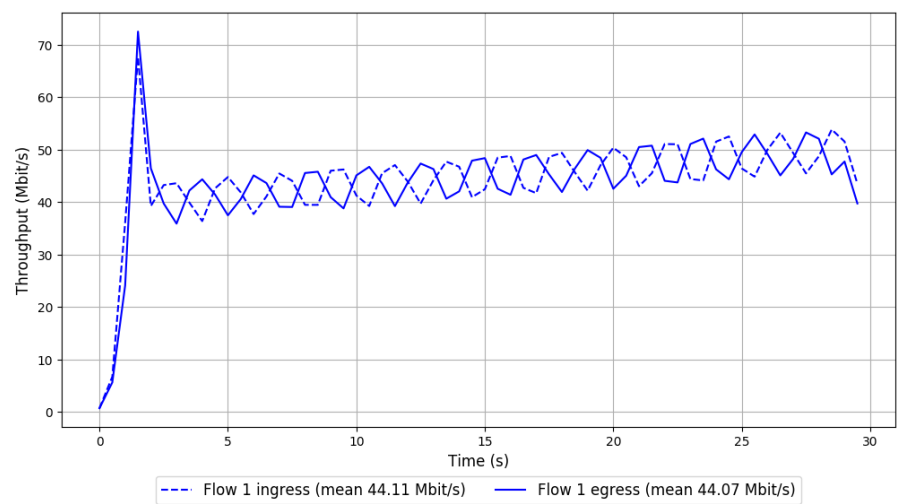
-- Flow 1:

Average throughput: 44.07 Mbit/s

95th percentile per-packet one-way delay: 84.360 ms

Loss rate: 0.69%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-04-24 07:27:04

End at: 2018-04-24 07:27:34

Local clock offset: -2.514 ms

Remote clock offset: 3.92 ms

Below is generated by plot.py at 2018-04-24 12:17:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.23 Mbit/s

95th percentile per-packet one-way delay: 85.685 ms

Loss rate: 0.69%

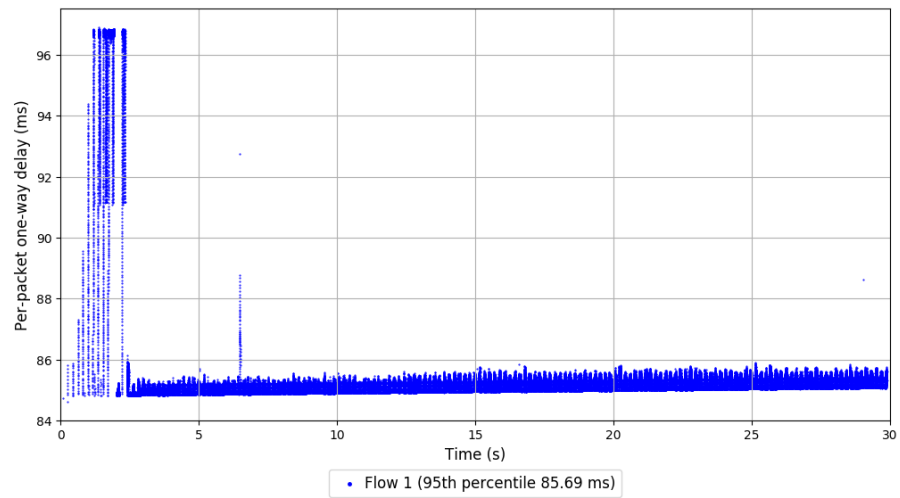
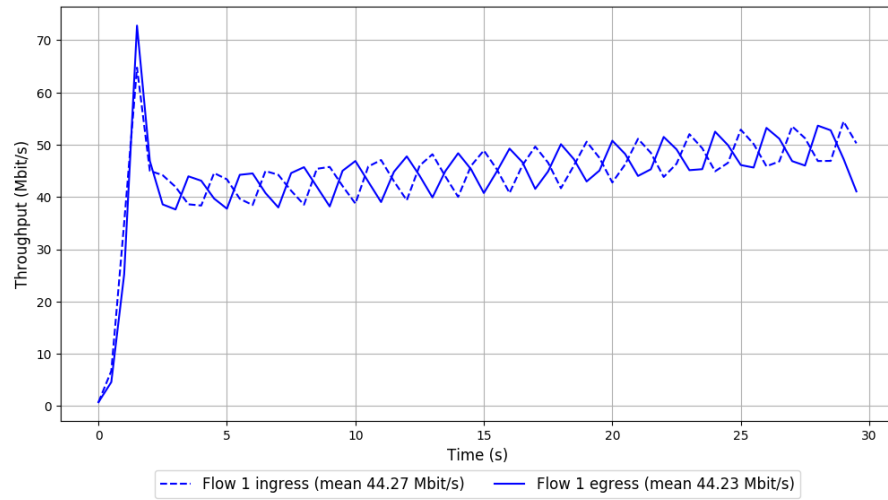
-- Flow 1:

Average throughput: 44.23 Mbit/s

95th percentile per-packet one-way delay: 85.685 ms

Loss rate: 0.69%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-04-24 07:47:57

End at: 2018-04-24 07:48:27

Local clock offset: -9.021 ms

Remote clock offset: 7.042 ms

Below is generated by plot.py at 2018-04-24 12:17:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.10 Mbit/s

95th percentile per-packet one-way delay: 83.738 ms

Loss rate: 0.93%

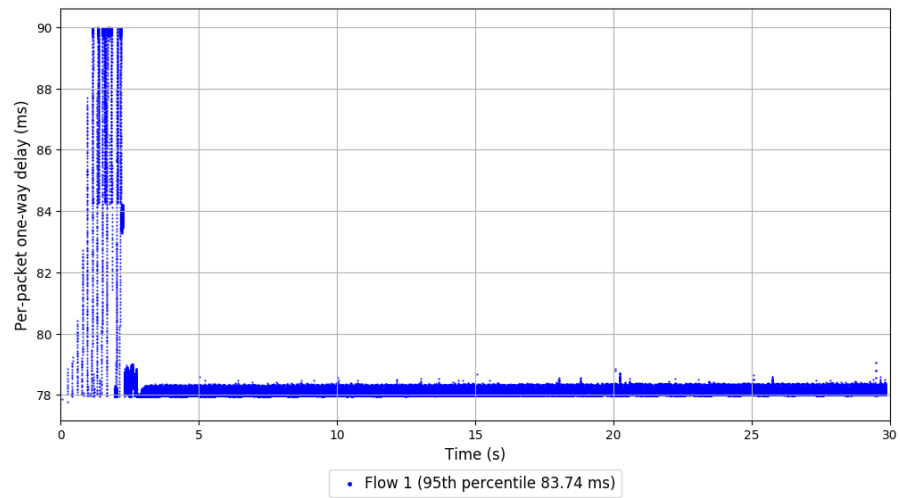
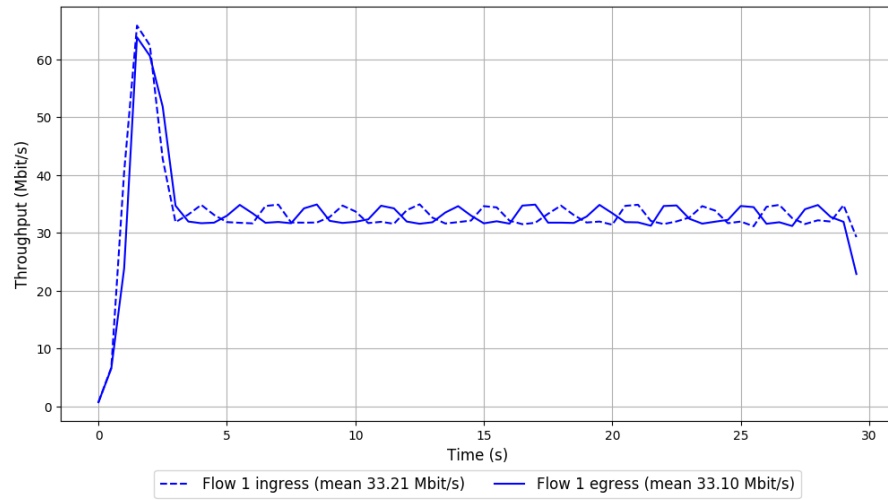
-- Flow 1:

Average throughput: 33.10 Mbit/s

95th percentile per-packet one-way delay: 83.738 ms

Loss rate: 0.93%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-04-24 08:08:50

End at: 2018-04-24 08:09:20

Local clock offset: -7.871 ms

Remote clock offset: 2.857 ms

Below is generated by plot.py at 2018-04-24 12:17:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.39 Mbit/s

95th percentile per-packet one-way delay: 82.948 ms

Loss rate: 0.61%

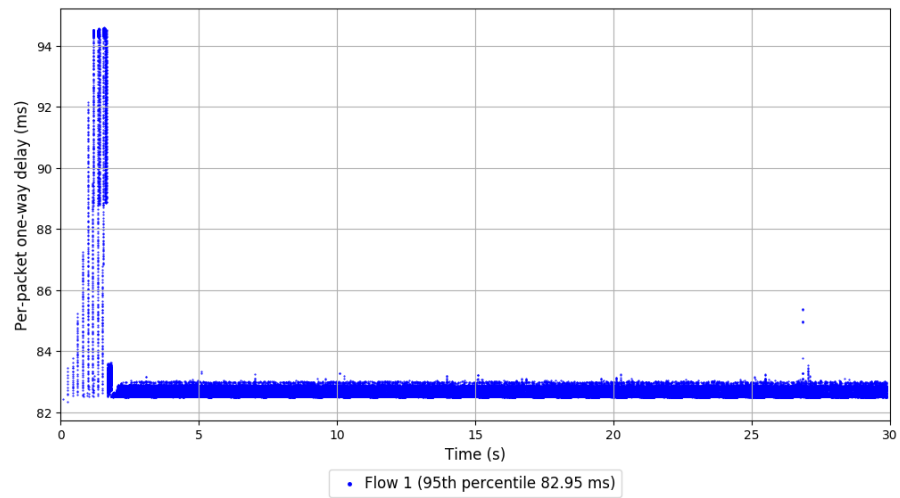
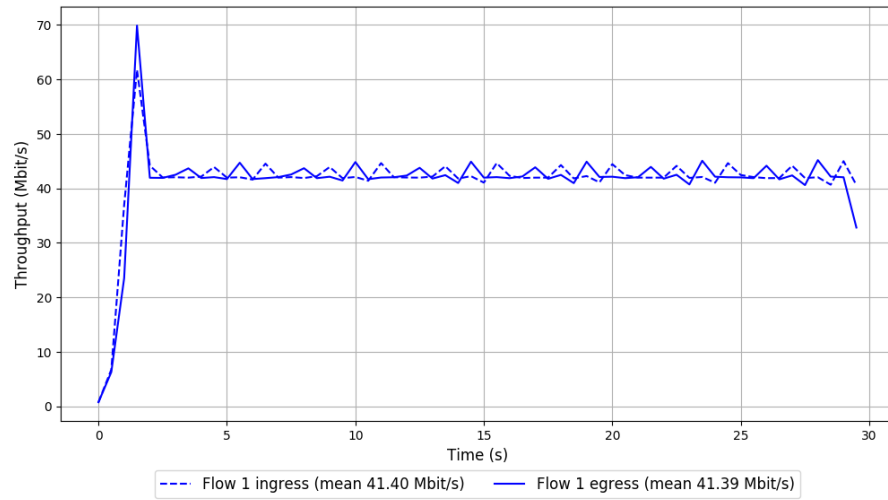
-- Flow 1:

Average throughput: 41.39 Mbit/s

95th percentile per-packet one-way delay: 82.948 ms

Loss rate: 0.61%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-04-24 08:29:38

End at: 2018-04-24 08:30:08

Local clock offset: -7.454 ms

Remote clock offset: 3.199 ms

Below is generated by plot.py at 2018-04-24 12:17:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.86 Mbit/s

95th percentile per-packet one-way delay: 86.930 ms

Loss rate: 0.67%

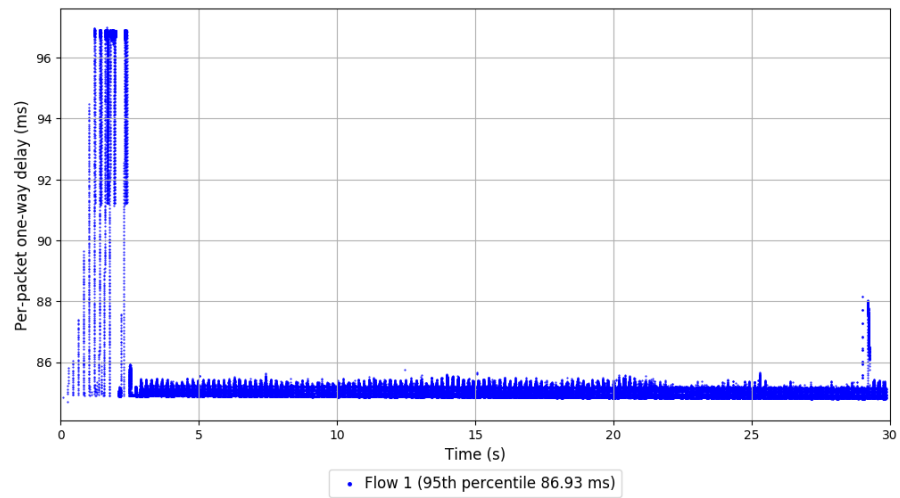
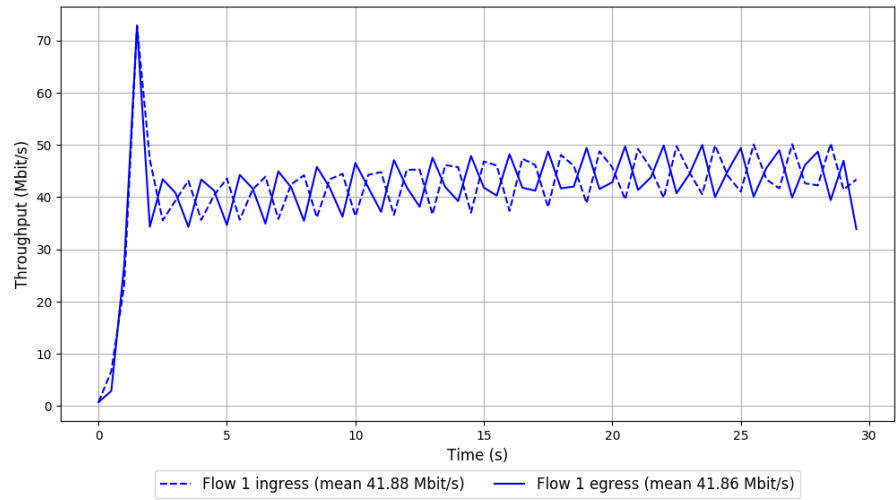
-- Flow 1:

Average throughput: 41.86 Mbit/s

95th percentile per-packet one-way delay: 86.930 ms

Loss rate: 0.67%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-04-24 05:25:22

End at: 2018-04-24 05:25:52

Local clock offset: -25.52 ms

Remote clock offset: 3.299 ms

Below is generated by plot.py at 2018-04-24 12:17:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.56 Mbit/s

95th percentile per-packet one-way delay: 93.273 ms

Loss rate: 0.00%

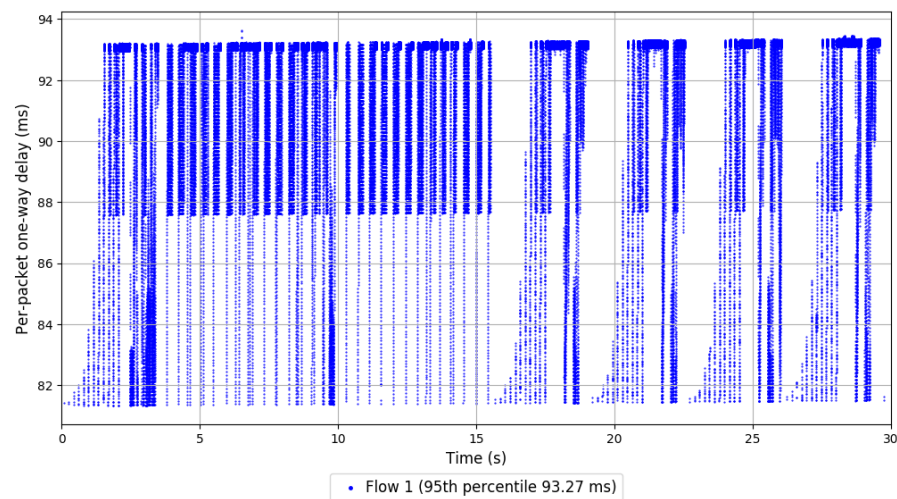
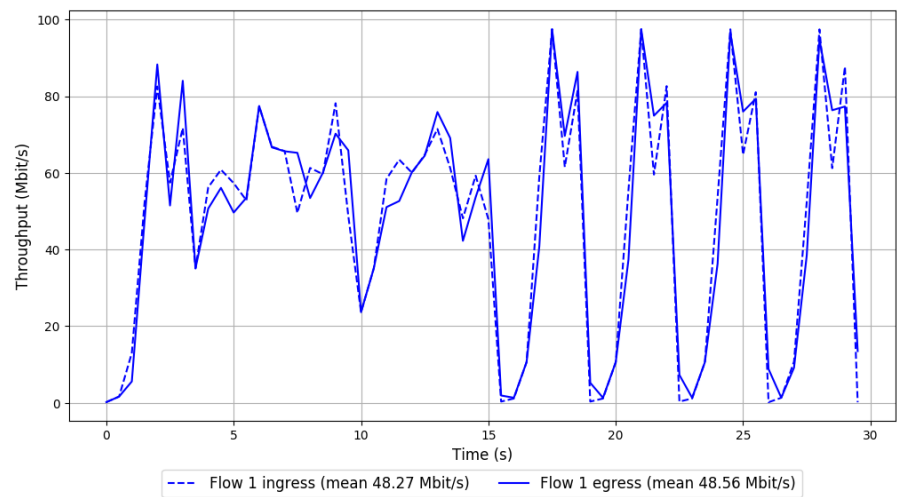
-- Flow 1:

Average throughput: 48.56 Mbit/s

95th percentile per-packet one-way delay: 93.273 ms

Loss rate: 0.00%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-04-24 05:46:14

End at: 2018-04-24 05:46:44

Local clock offset: -34.82 ms

Remote clock offset: 3.11 ms

Below is generated by plot.py at 2018-04-24 12:17:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.41 Mbit/s

95th percentile per-packet one-way delay: 96.232 ms

Loss rate: 0.68%

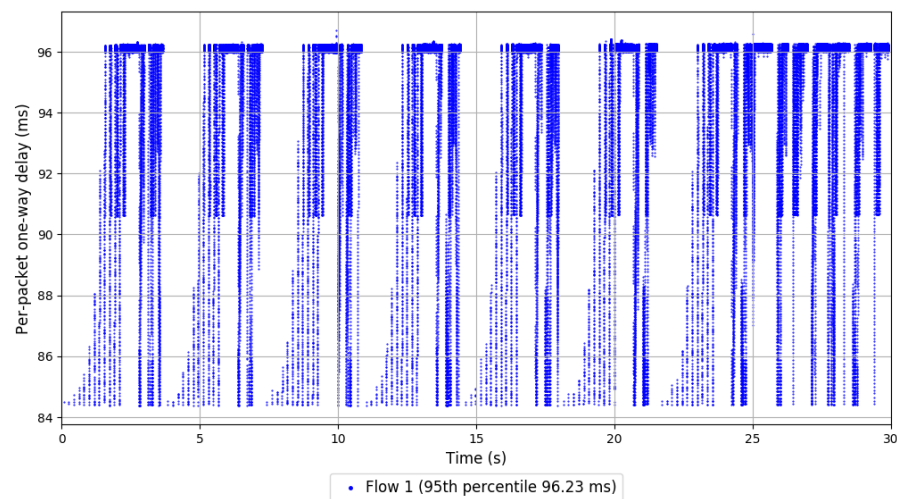
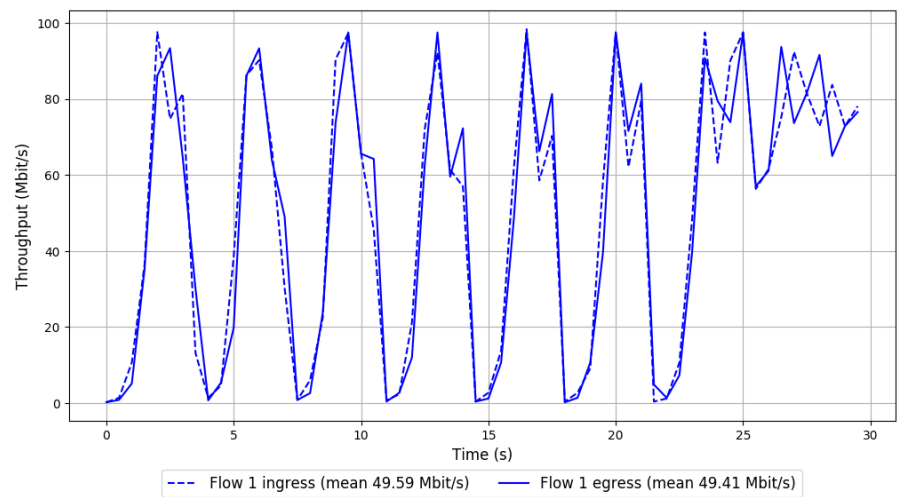
-- Flow 1:

Average throughput: 49.41 Mbit/s

95th percentile per-packet one-way delay: 96.232 ms

Loss rate: 0.68%

Run 2: Report of Verus — Data Link

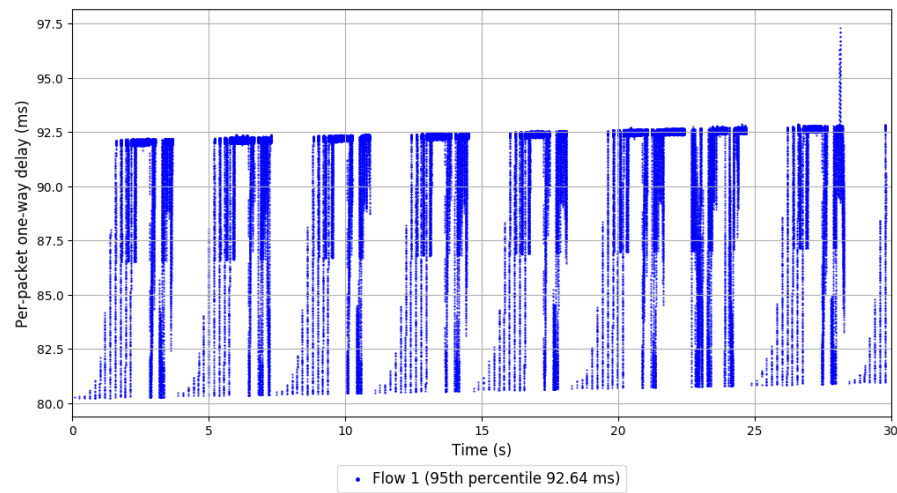
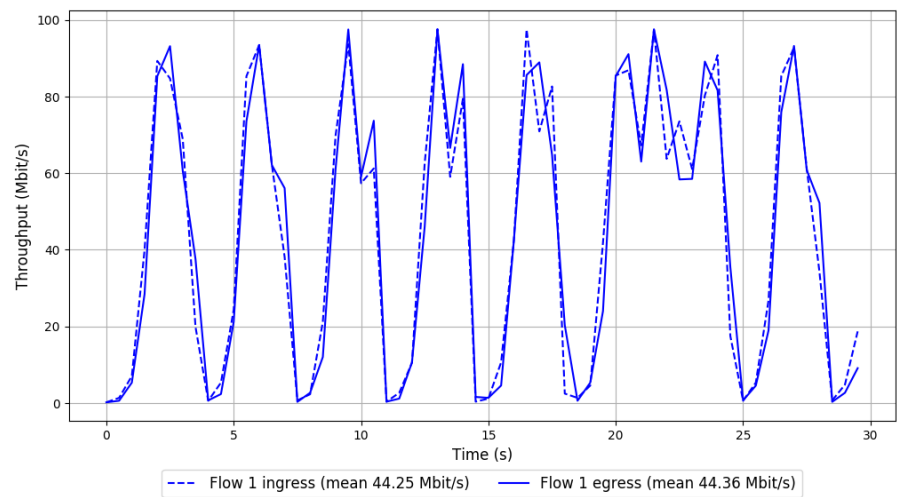


Run 3: Statistics of Verus

Start at: 2018-04-24 06:07:03
End at: 2018-04-24 06:07:33
Local clock offset: -55.383 ms
Remote clock offset: 6.087 ms

Below is generated by plot.py at 2018-04-24 12:17:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 44.36 Mbit/s
95th percentile per-packet one-way delay: 92.643 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 44.36 Mbit/s
95th percentile per-packet one-way delay: 92.643 ms
Loss rate: 0.46%

Run 3: Report of Verus — Data Link

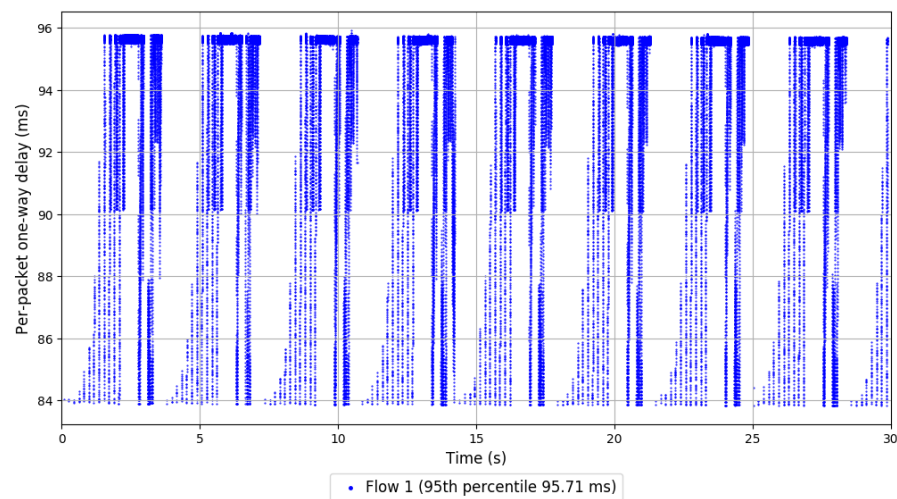
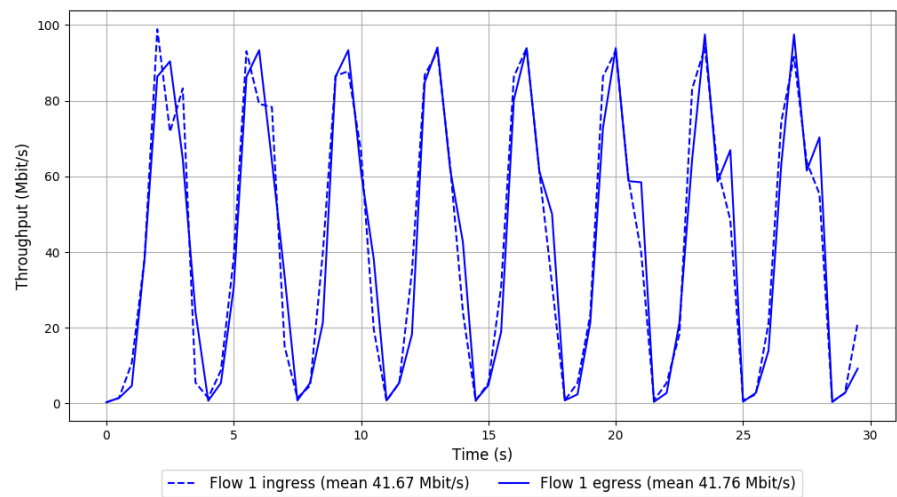


Run 4: Statistics of Verus

Start at: 2018-04-24 06:28:12
End at: 2018-04-24 06:28:42
Local clock offset: -29.457 ms
Remote clock offset: 2.059 ms

Below is generated by plot.py at 2018-04-24 12:17:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.76 Mbit/s
95th percentile per-packet one-way delay: 95.712 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 41.76 Mbit/s
95th percentile per-packet one-way delay: 95.712 ms
Loss rate: 0.48%

Run 4: Report of Verus — Data Link

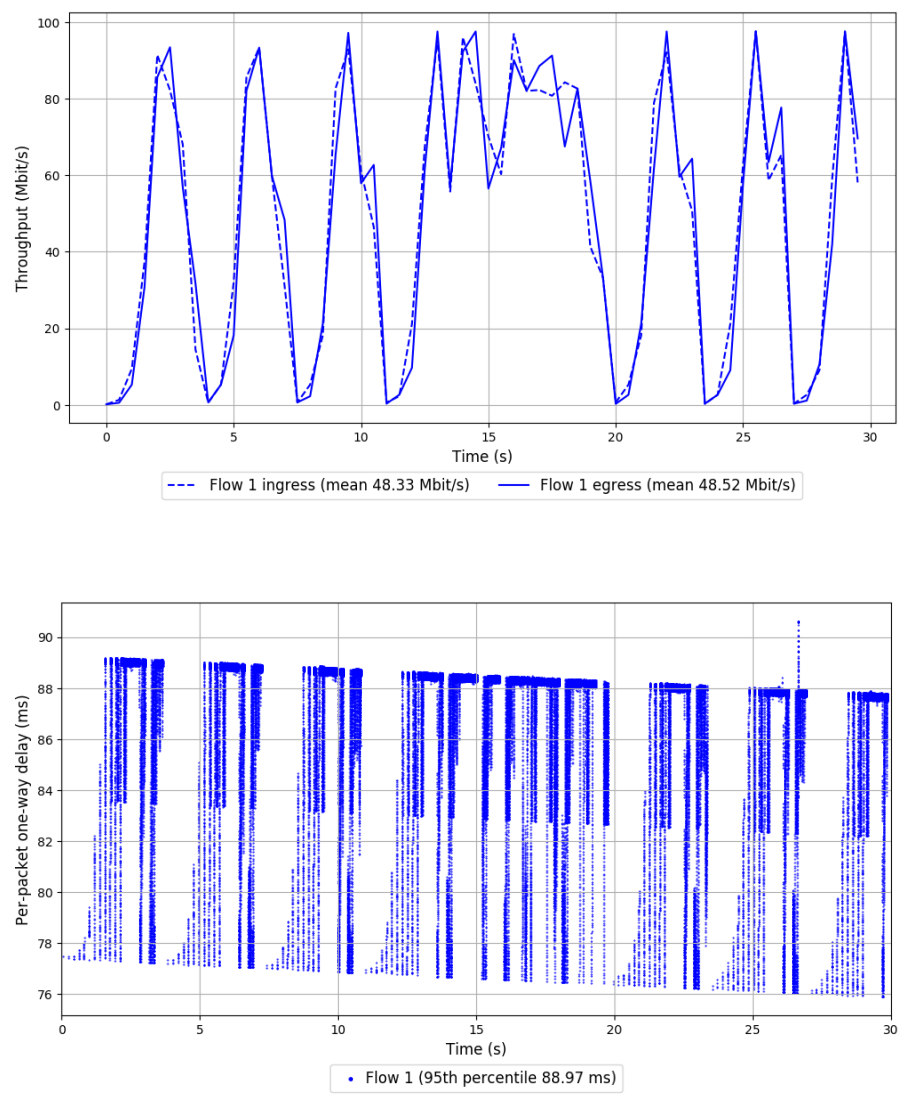


Run 5: Statistics of Verus

Start at: 2018-04-24 06:49:04
End at: 2018-04-24 06:49:34
Local clock offset: -26.285 ms
Remote clock offset: 6.566 ms

Below is generated by plot.py at 2018-04-24 12:17:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 48.52 Mbit/s
95th percentile per-packet one-way delay: 88.966 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 48.52 Mbit/s
95th percentile per-packet one-way delay: 88.966 ms
Loss rate: 0.19%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-04-24 07:09:57

End at: 2018-04-24 07:10:27

Local clock offset: -0.76 ms

Remote clock offset: 7.082 ms

Below is generated by plot.py at 2018-04-24 12:17:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.48 Mbit/s

95th percentile per-packet one-way delay: 89.673 ms

Loss rate: 11.19%

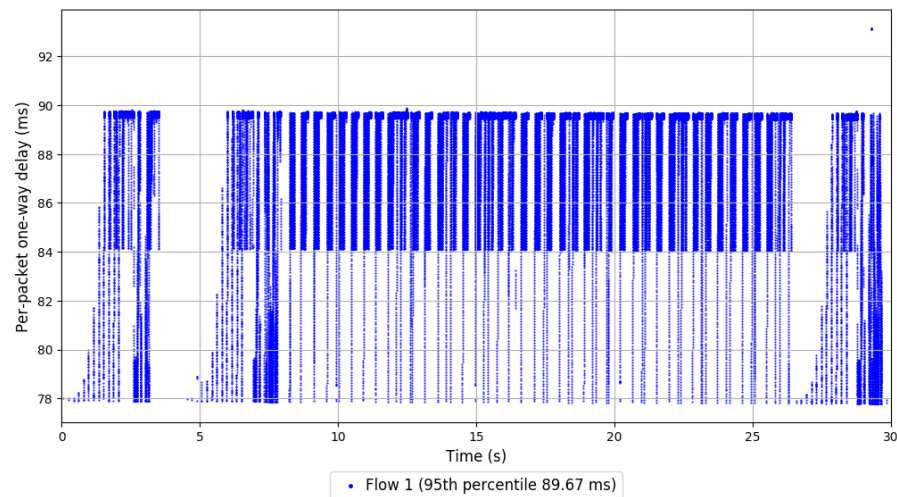
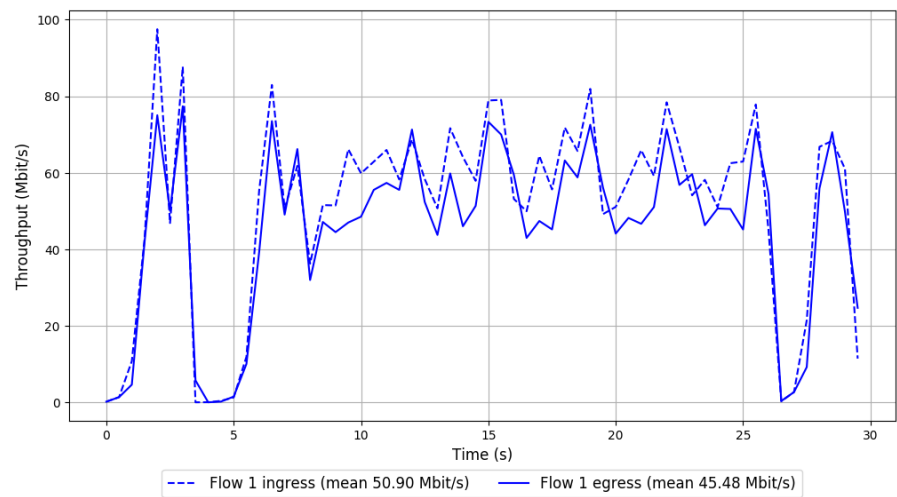
-- Flow 1:

Average throughput: 45.48 Mbit/s

95th percentile per-packet one-way delay: 89.673 ms

Loss rate: 11.19%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-04-24 07:30:47

End at: 2018-04-24 07:31:17

Local clock offset: -5.857 ms

Remote clock offset: 7.792 ms

Below is generated by plot.py at 2018-04-24 12:17:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 37.21 Mbit/s

95th percentile per-packet one-way delay: 90.860 ms

Loss rate: 9.50%

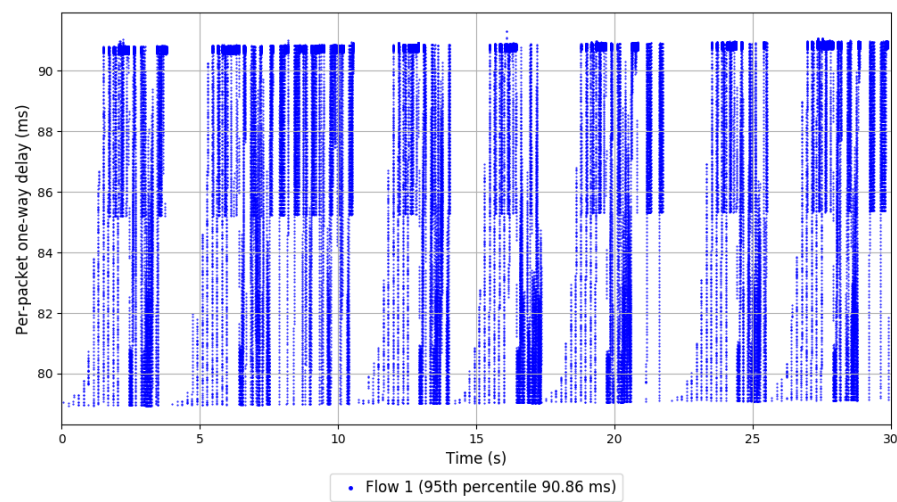
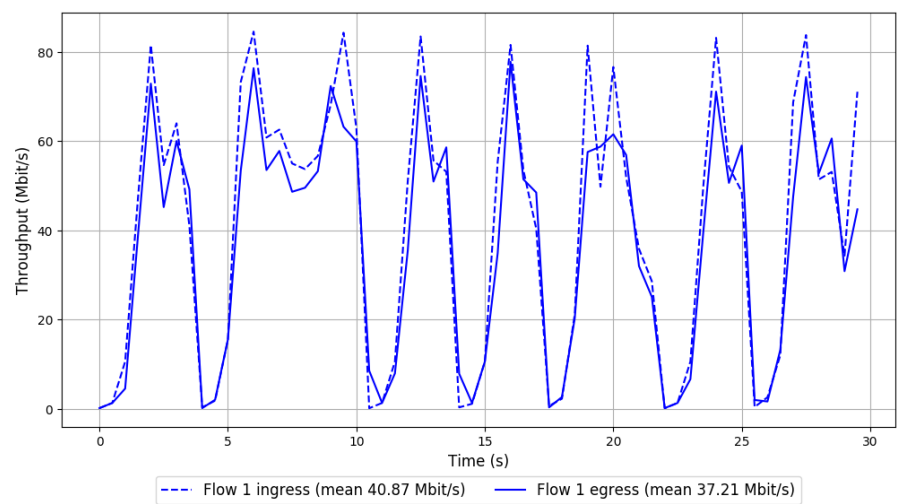
-- Flow 1:

Average throughput: 37.21 Mbit/s

95th percentile per-packet one-way delay: 90.860 ms

Loss rate: 9.50%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-04-24 07:51:40

End at: 2018-04-24 07:52:10

Local clock offset: -9.51 ms

Remote clock offset: 6.833 ms

Below is generated by plot.py at 2018-04-24 12:18:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.07 Mbit/s

95th percentile per-packet one-way delay: 92.345 ms

Loss rate: 0.53%

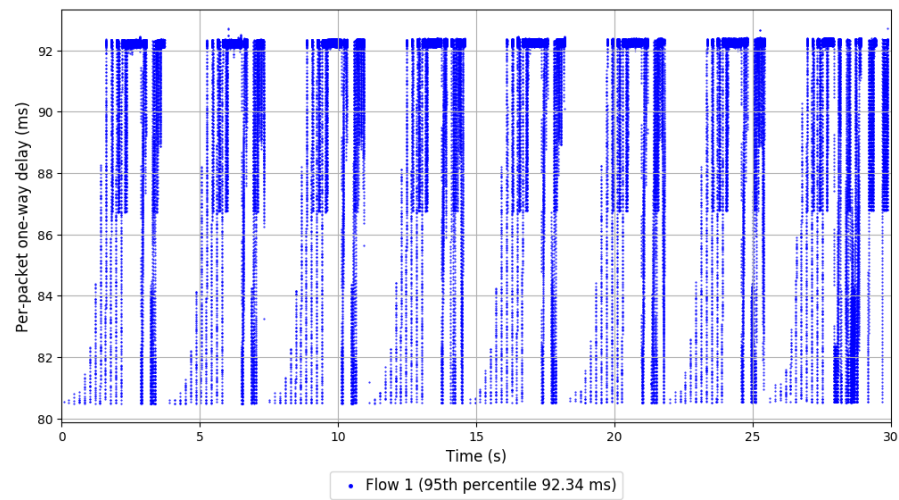
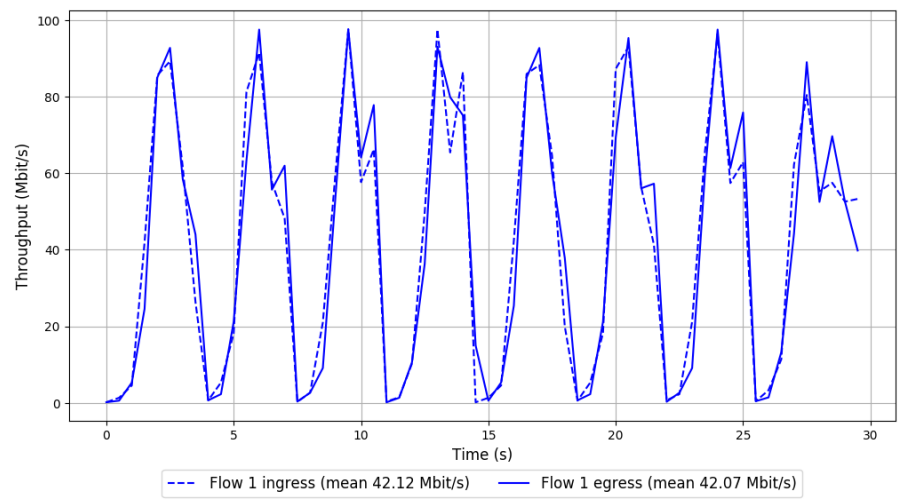
-- Flow 1:

Average throughput: 42.07 Mbit/s

95th percentile per-packet one-way delay: 92.345 ms

Loss rate: 0.53%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-04-24 08:12:33

End at: 2018-04-24 08:13:03

Local clock offset: -8.684 ms

Remote clock offset: 5.903 ms

Below is generated by plot.py at 2018-04-24 12:18:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.91 Mbit/s

95th percentile per-packet one-way delay: 91.601 ms

Loss rate: 0.48%

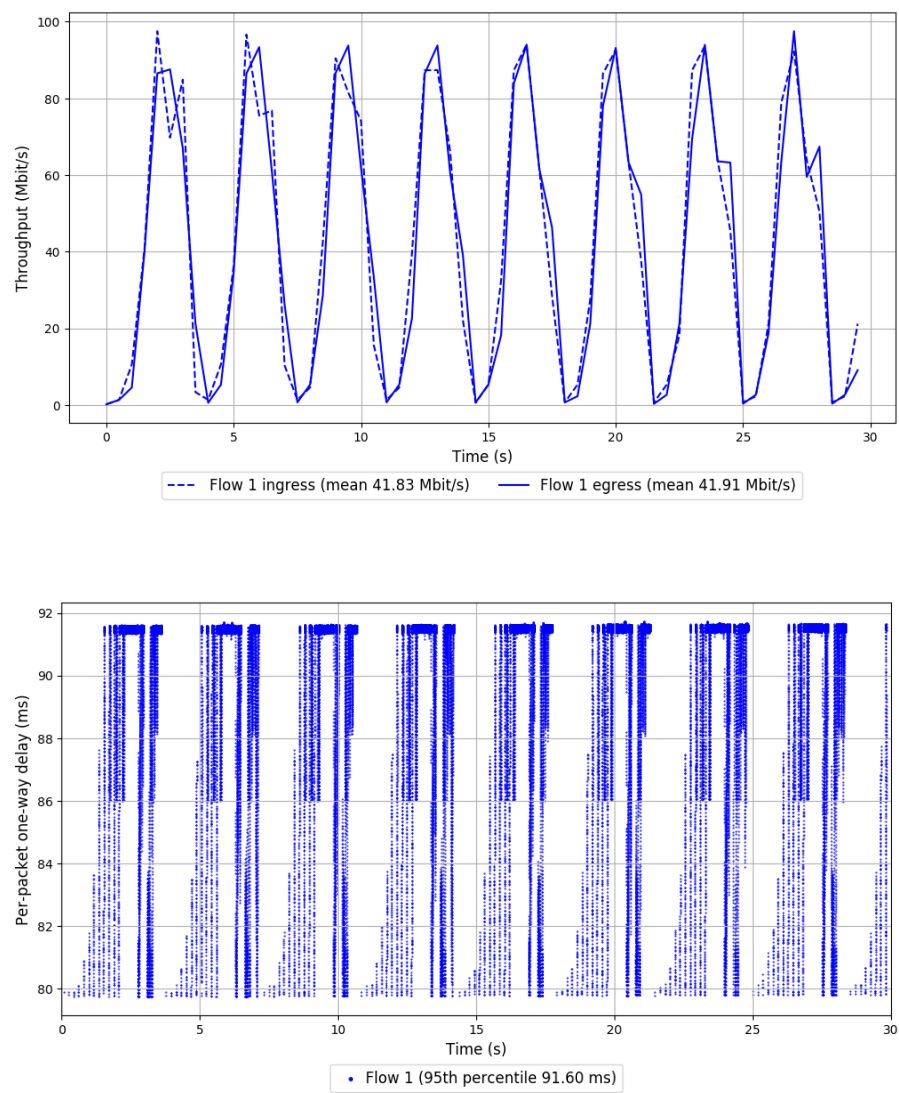
-- Flow 1:

Average throughput: 41.91 Mbit/s

95th percentile per-packet one-way delay: 91.601 ms

Loss rate: 0.48%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-04-24 08:33:20

End at: 2018-04-24 08:33:50

Local clock offset: -7.553 ms

Remote clock offset: 7.069 ms

Below is generated by plot.py at 2018-04-24 12:18:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.09 Mbit/s

95th percentile per-packet one-way delay: 90.925 ms

Loss rate: 10.80%

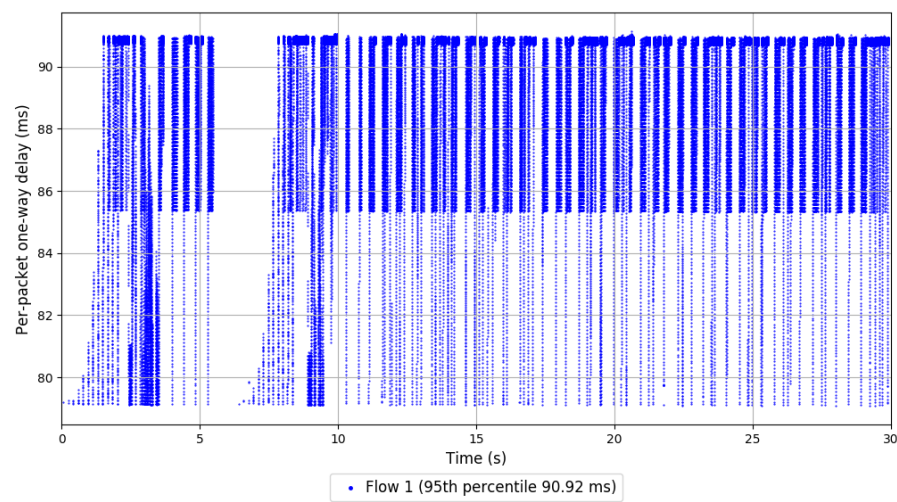
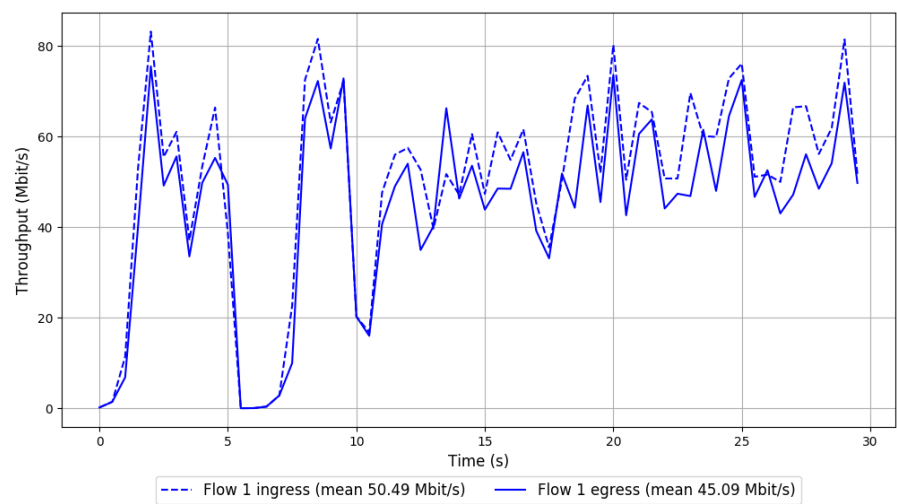
-- Flow 1:

Average throughput: 45.09 Mbit/s

95th percentile per-packet one-way delay: 90.925 ms

Loss rate: 10.80%

Run 10: Report of Verus — Data Link

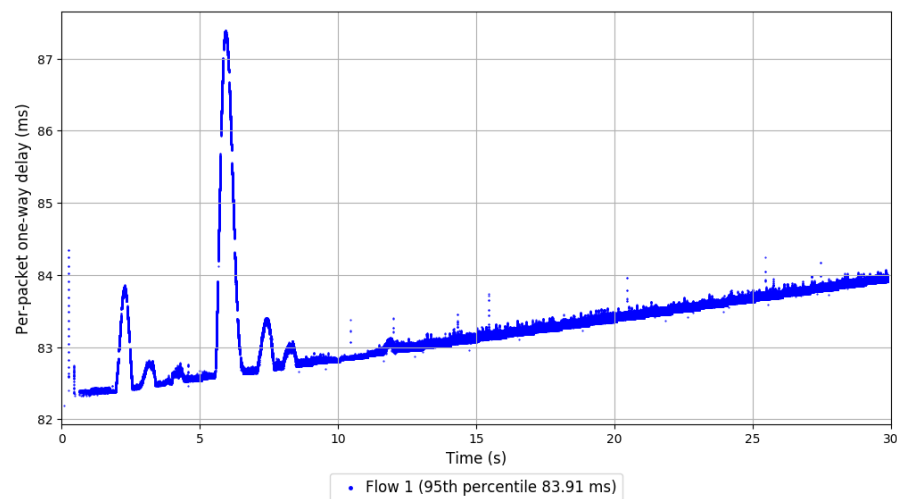
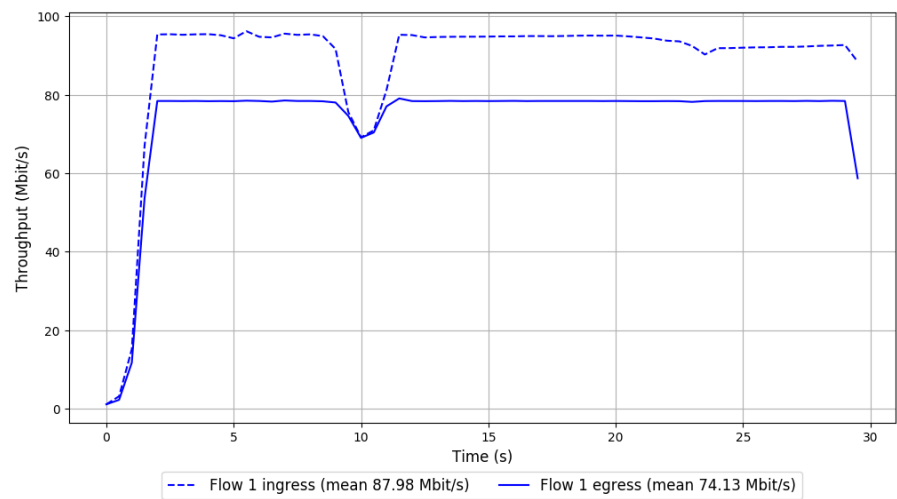


Run 1: Statistics of Copa

Start at: 2018-04-24 05:10:34
End at: 2018-04-24 05:11:04
Local clock offset: -16.062 ms
Remote clock offset: 6.601 ms

Below is generated by plot.py at 2018-04-24 12:19:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.13 Mbit/s
95th percentile per-packet one-way delay: 83.911 ms
Loss rate: 16.25%
-- Flow 1:
Average throughput: 74.13 Mbit/s
95th percentile per-packet one-way delay: 83.911 ms
Loss rate: 16.25%

Run 1: Report of Copa — Data Link

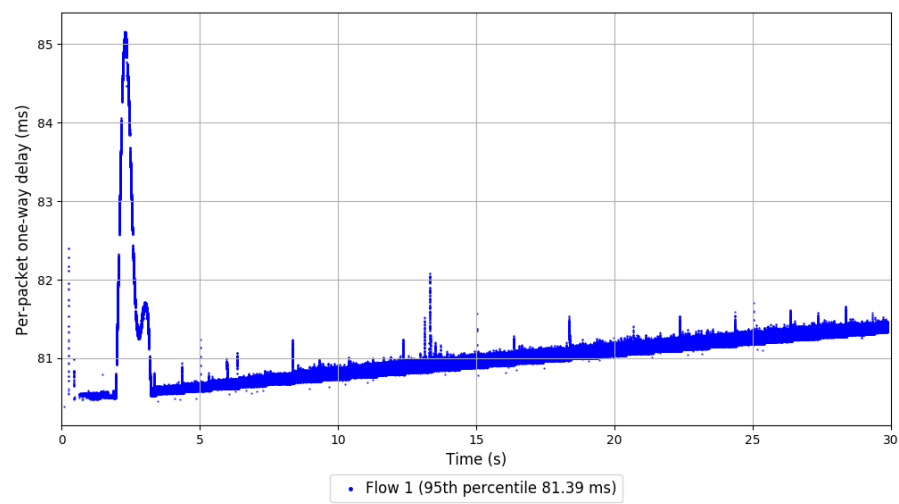
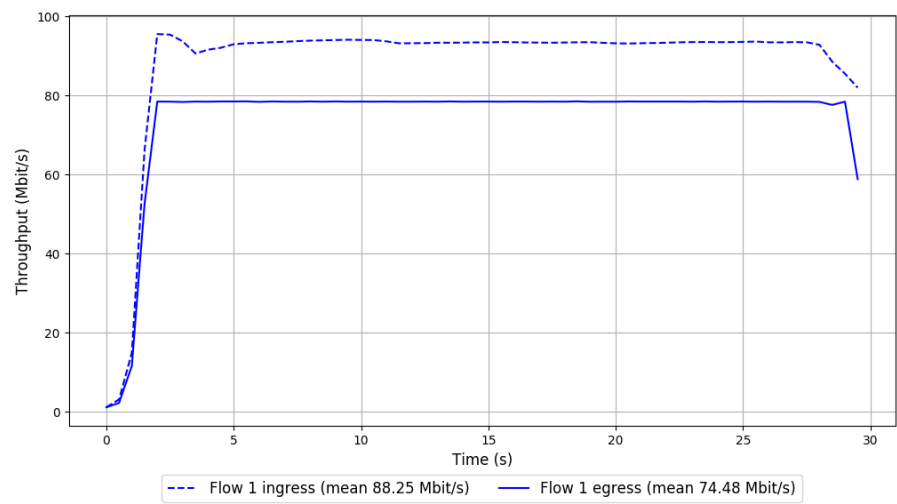


Run 2: Statistics of Copa

Start at: 2018-04-24 05:31:27
End at: 2018-04-24 05:31:57
Local clock offset: -31.602 ms
Remote clock offset: 8.177 ms

Below is generated by plot.py at 2018-04-24 12:19:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.48 Mbit/s
95th percentile per-packet one-way delay: 81.395 ms
Loss rate: 16.12%
-- Flow 1:
Average throughput: 74.48 Mbit/s
95th percentile per-packet one-way delay: 81.395 ms
Loss rate: 16.12%

Run 2: Report of Copa — Data Link

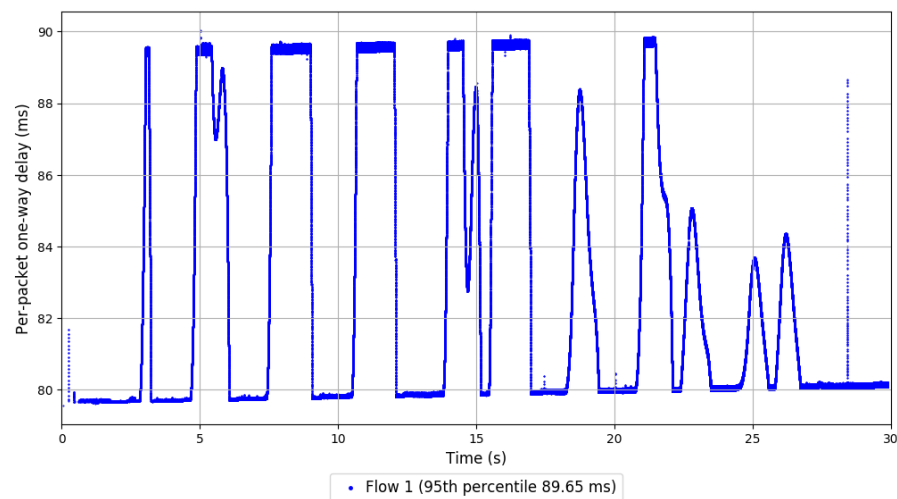
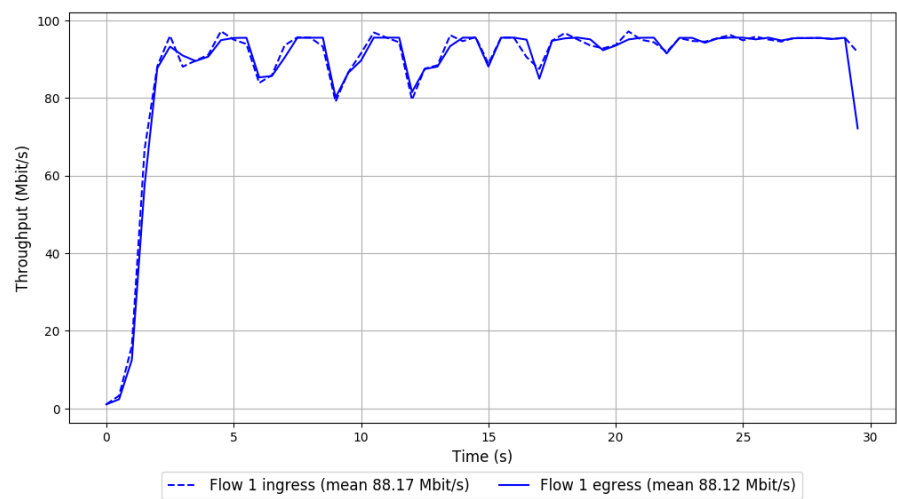


Run 3: Statistics of Copa

Start at: 2018-04-24 05:52:20
End at: 2018-04-24 05:52:50
Local clock offset: -38.085 ms
Remote clock offset: 7.936 ms

Below is generated by plot.py at 2018-04-24 12:20:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.12 Mbit/s
95th percentile per-packet one-way delay: 89.650 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 88.12 Mbit/s
95th percentile per-packet one-way delay: 89.650 ms
Loss rate: 0.66%

Run 3: Report of Copa — Data Link

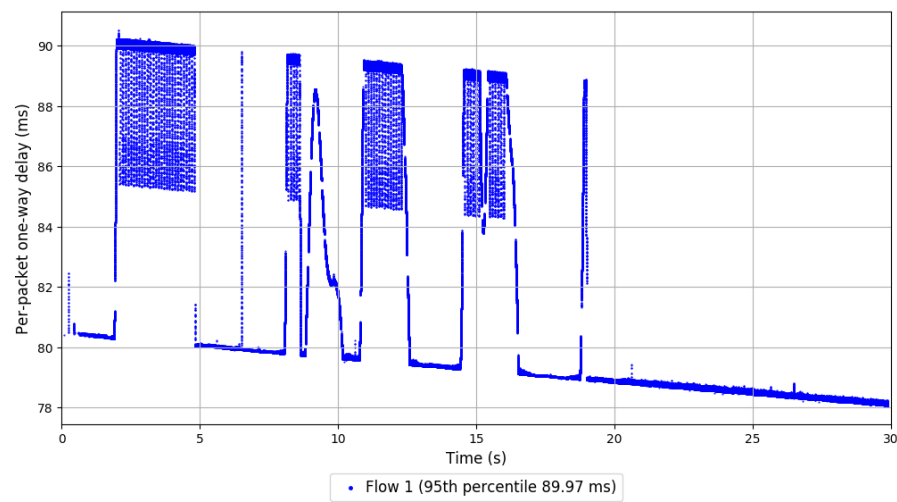
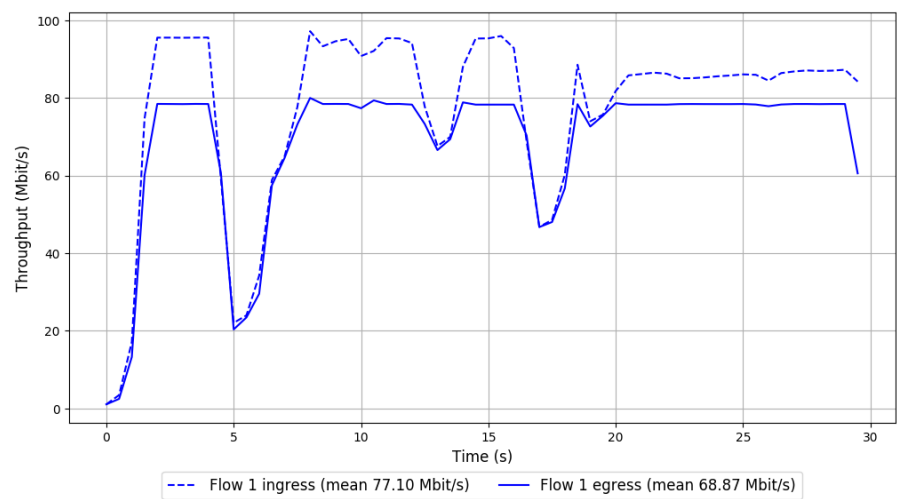


Run 4: Statistics of Copa

Start at: 2018-04-24 06:13:09
End at: 2018-04-24 06:13:39
Local clock offset: -58.909 ms
Remote clock offset: 2.134 ms

Below is generated by plot.py at 2018-04-24 12:20:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.87 Mbit/s
95th percentile per-packet one-way delay: 89.972 ms
Loss rate: 11.23%
-- Flow 1:
Average throughput: 68.87 Mbit/s
95th percentile per-packet one-way delay: 89.972 ms
Loss rate: 11.23%

Run 4: Report of Copa — Data Link

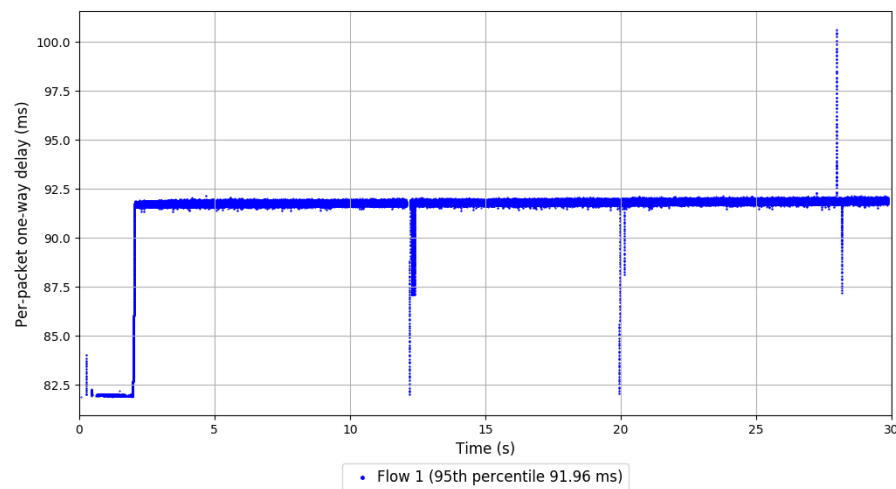
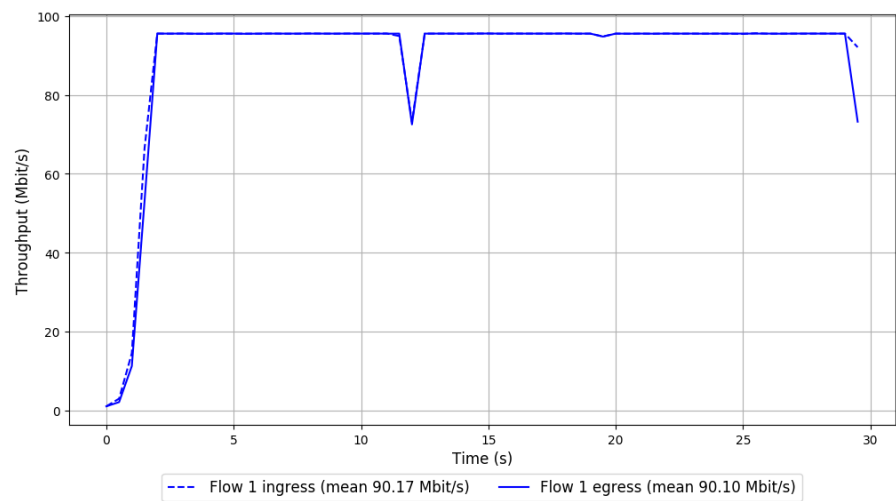


Run 5: Statistics of Copa

Start at: 2018-04-24 06:34:17
End at: 2018-04-24 06:34:47
Local clock offset: -29.938 ms
Remote clock offset: 1.939 ms

Below is generated by plot.py at 2018-04-24 12:20:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.10 Mbit/s
95th percentile per-packet one-way delay: 91.958 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 90.10 Mbit/s
95th percentile per-packet one-way delay: 91.958 ms
Loss rate: 0.67%

Run 5: Report of Copa — Data Link

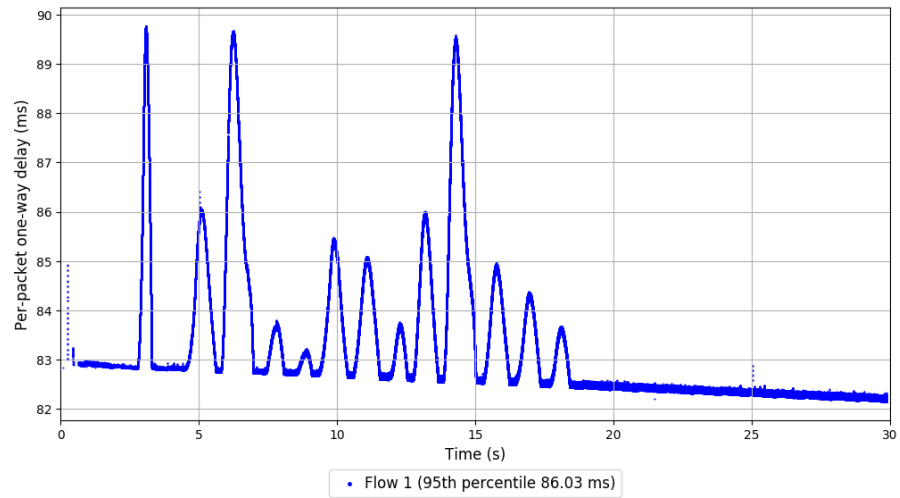
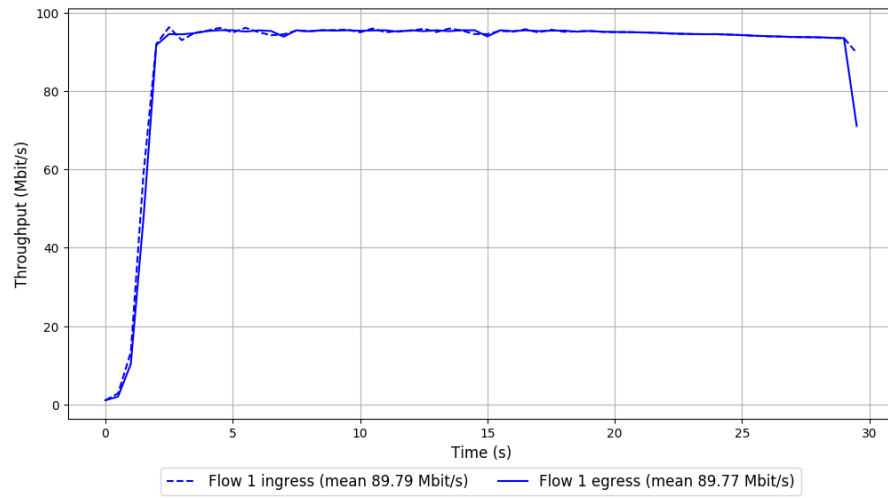


Run 6: Statistics of Copa

Start at: 2018-04-24 06:55:08
End at: 2018-04-24 06:55:38
Local clock offset: -12.048 ms
Remote clock offset: 1.954 ms

Below is generated by plot.py at 2018-04-24 12:20:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.77 Mbit/s
95th percentile per-packet one-way delay: 86.031 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 89.77 Mbit/s
95th percentile per-packet one-way delay: 86.031 ms
Loss rate: 0.63%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-04-24 07:16:02

End at: 2018-04-24 07:16:33

Local clock offset: 1.305 ms

Remote clock offset: 3.731 ms

Below is generated by plot.py at 2018-04-24 12:20:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.54 Mbit/s

95th percentile per-packet one-way delay: 85.739 ms

Loss rate: 0.64%

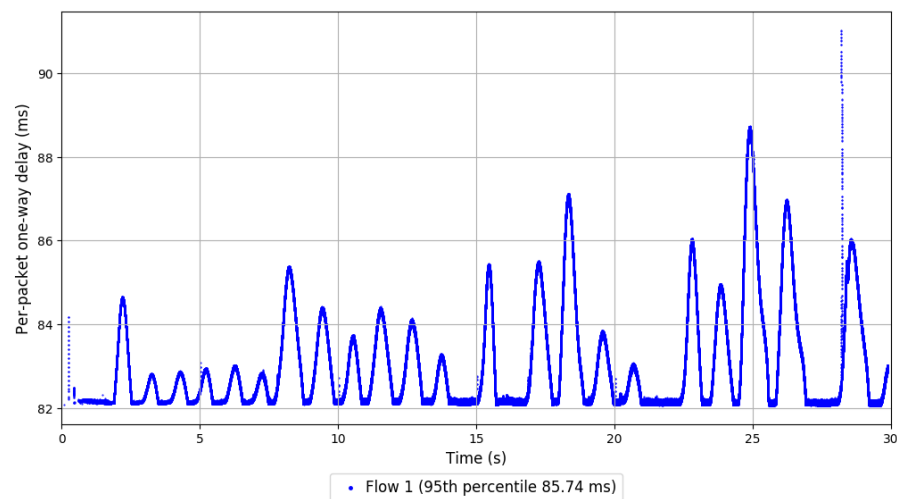
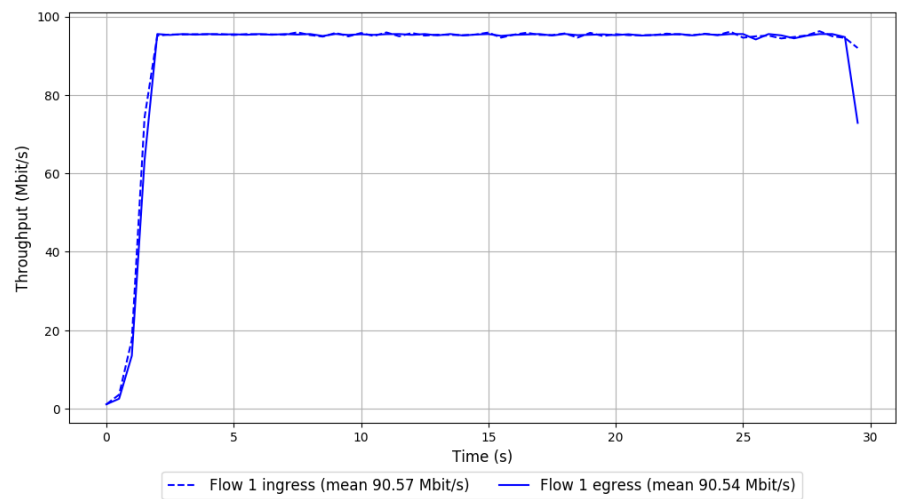
-- Flow 1:

Average throughput: 90.54 Mbit/s

95th percentile per-packet one-way delay: 85.739 ms

Loss rate: 0.64%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-04-24 07:36:54

End at: 2018-04-24 07:37:24

Local clock offset: -7.758 ms

Remote clock offset: 8.612 ms

Below is generated by plot.py at 2018-04-24 12:20:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.31 Mbit/s

95th percentile per-packet one-way delay: 79.358 ms

Loss rate: 0.62%

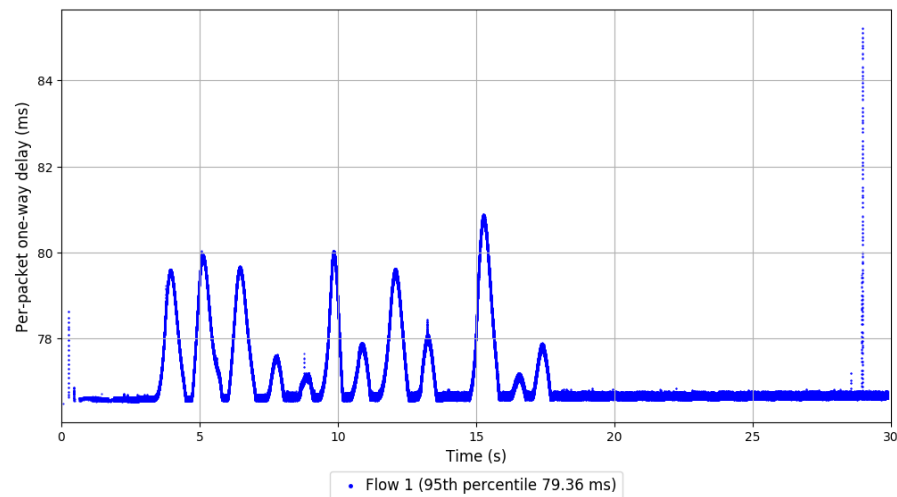
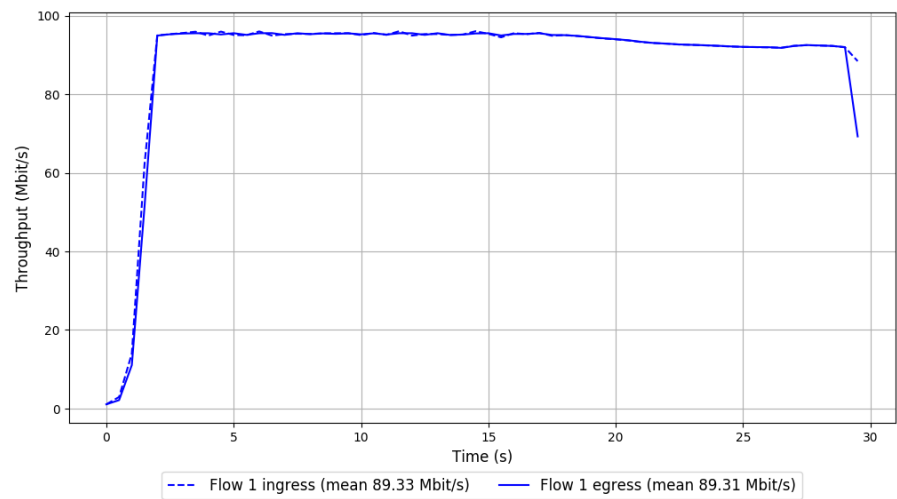
-- Flow 1:

Average throughput: 89.31 Mbit/s

95th percentile per-packet one-way delay: 79.358 ms

Loss rate: 0.62%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-04-24 07:57:45

End at: 2018-04-24 07:58:15

Local clock offset: -9.102 ms

Remote clock offset: 5.961 ms

Below is generated by plot.py at 2018-04-24 12:22:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.16 Mbit/s

95th percentile per-packet one-way delay: 90.467 ms

Loss rate: 6.44%

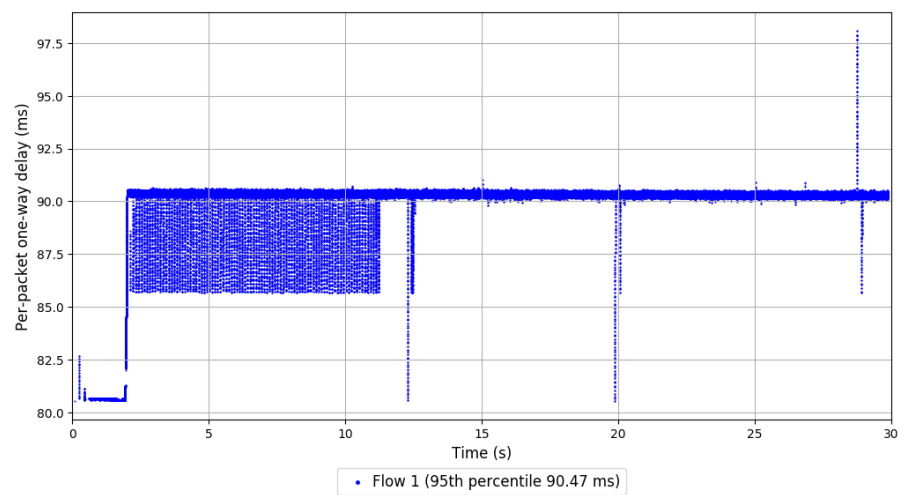
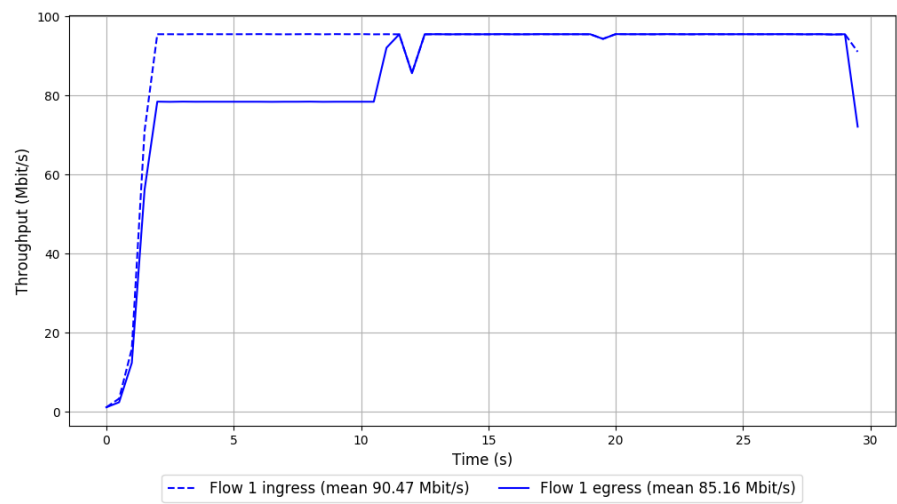
-- Flow 1:

Average throughput: 85.16 Mbit/s

95th percentile per-packet one-way delay: 90.467 ms

Loss rate: 6.44%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-04-24 08:18:38

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

Local clock offset: -8.842 ms

Remote clock offset: 2.678 ms

Below is generated by plot.py at 2018-04-24 12:22:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.42 Mbit/s

95th percentile per-packet one-way delay: 93.830 ms

Loss rate: 0.63%

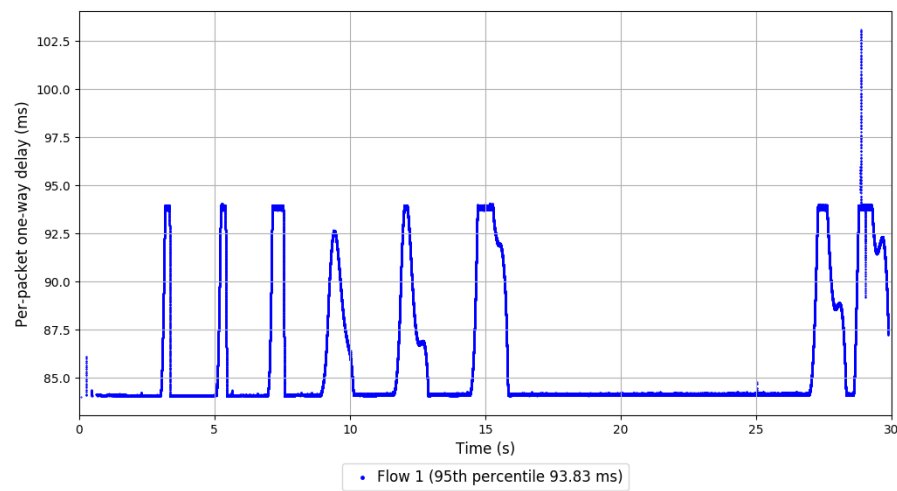
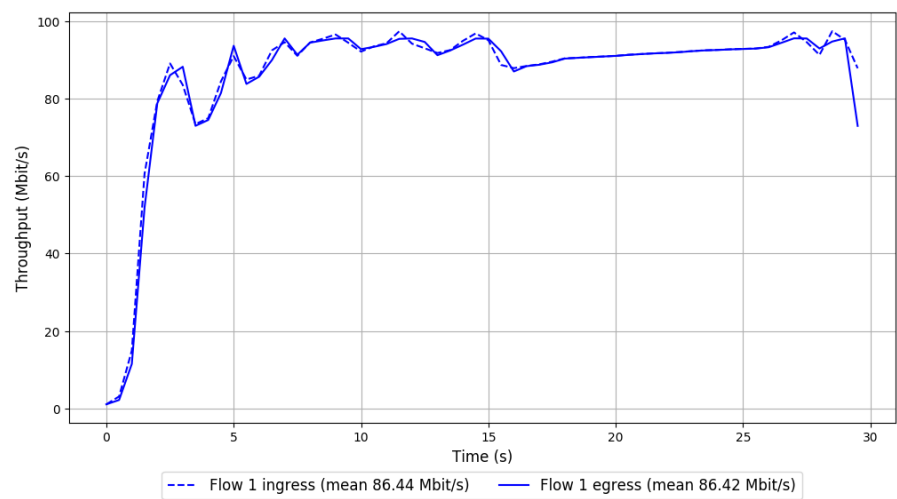
-- Flow 1:

Average throughput: 86.42 Mbit/s

95th percentile per-packet one-way delay: 93.830 ms

Loss rate: 0.63%

Run 10: Report of Copa — Data Link

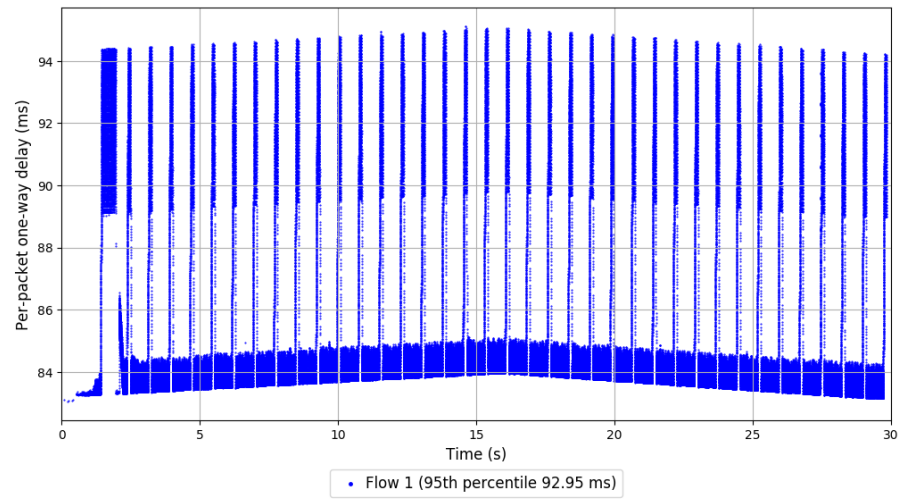
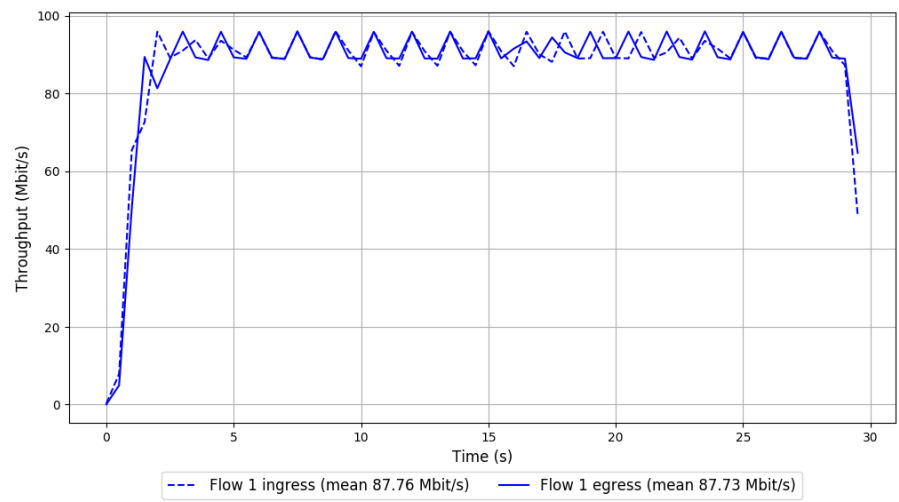


Run 1: Statistics of FillP

Start at: 2018-04-24 05:20:24
End at: 2018-04-24 05:20:54
Local clock offset: -30.068 ms
Remote clock offset: 2.959 ms

Below is generated by plot.py at 2018-04-24 12:22:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.73 Mbit/s
95th percentile per-packet one-way delay: 92.952 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.73 Mbit/s
95th percentile per-packet one-way delay: 92.952 ms
Loss rate: 0.00%

Run 1: Report of FillP — Data Link

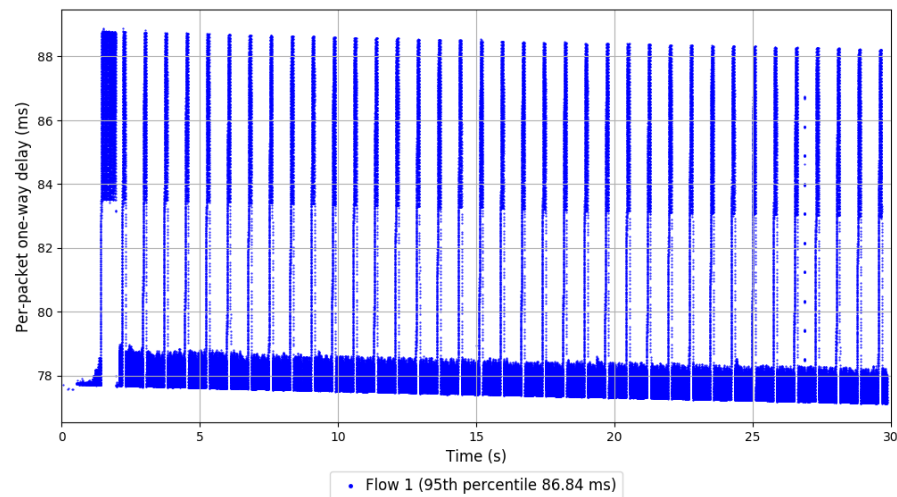
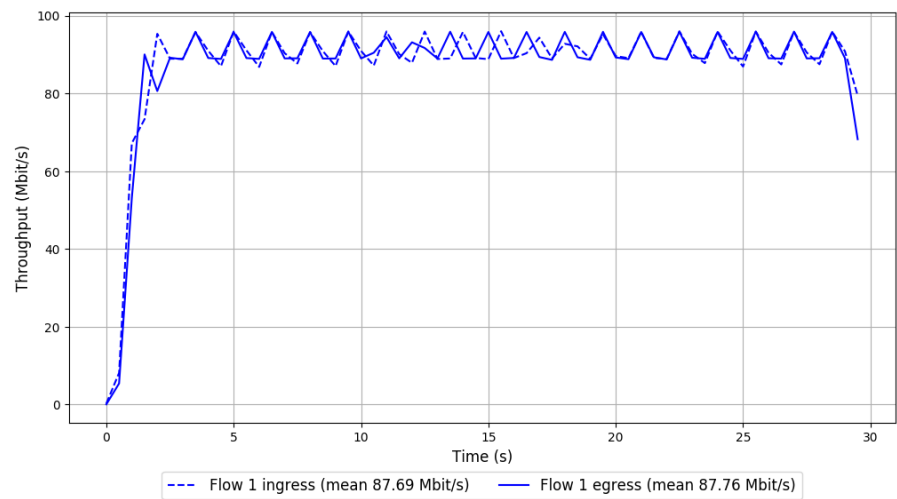


Run 2: Statistics of FillP

Start at: 2018-04-24 05:41:18
End at: 2018-04-24 05:41:48
Local clock offset: -38.258 ms
Remote clock offset: 6.813 ms

Below is generated by plot.py at 2018-04-24 12:22:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.76 Mbit/s
95th percentile per-packet one-way delay: 86.839 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 87.76 Mbit/s
95th percentile per-packet one-way delay: 86.839 ms
Loss rate: 0.53%

Run 2: Report of FillP — Data Link

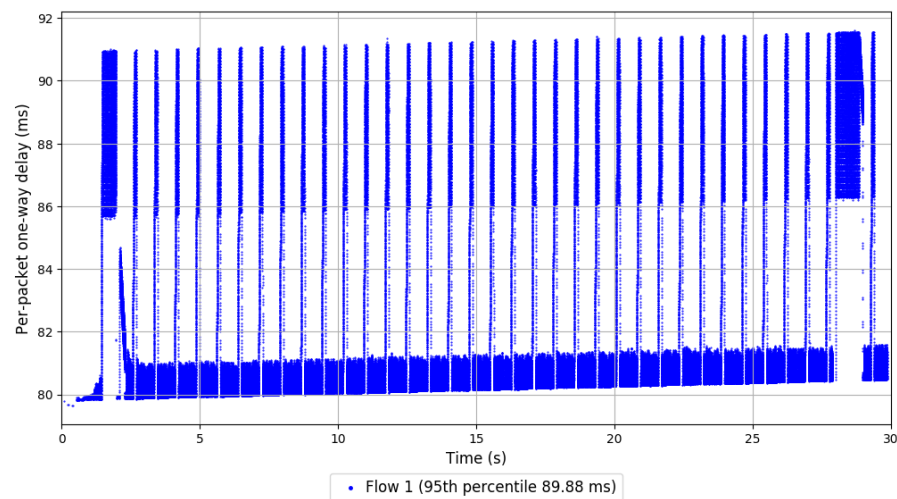
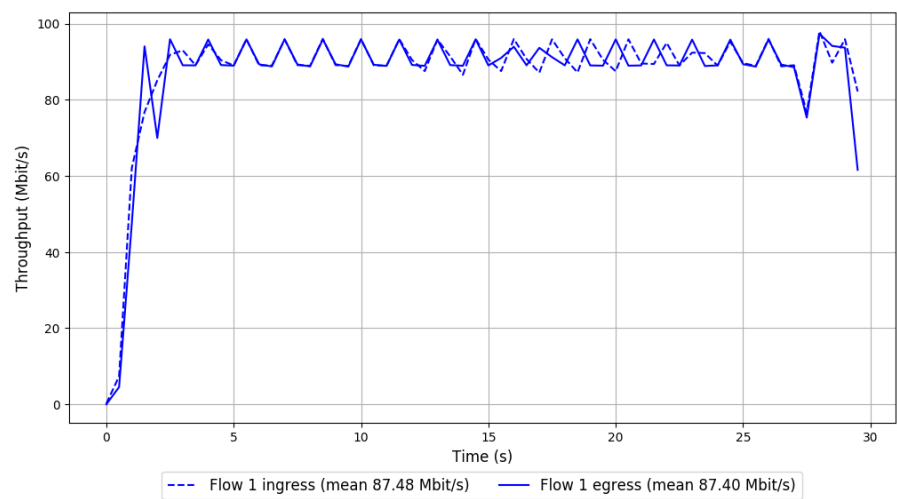


Run 3: Statistics of FillP

Start at: 2018-04-24 06:02:08
End at: 2018-04-24 06:02:38
Local clock offset: -47.522 ms
Remote clock offset: 7.163 ms

Below is generated by plot.py at 2018-04-24 12:22:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.40 Mbit/s
95th percentile per-packet one-way delay: 89.878 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 87.40 Mbit/s
95th percentile per-packet one-way delay: 89.878 ms
Loss rate: 0.69%

Run 3: Report of FillP — Data Link

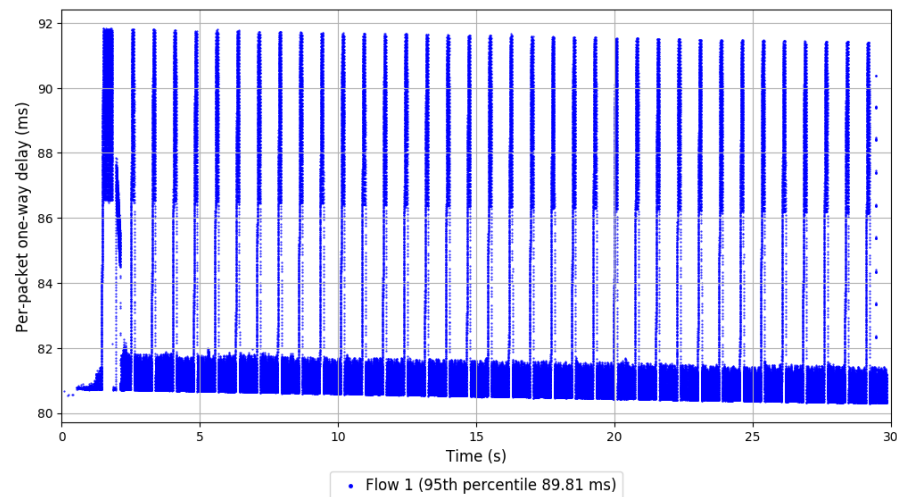
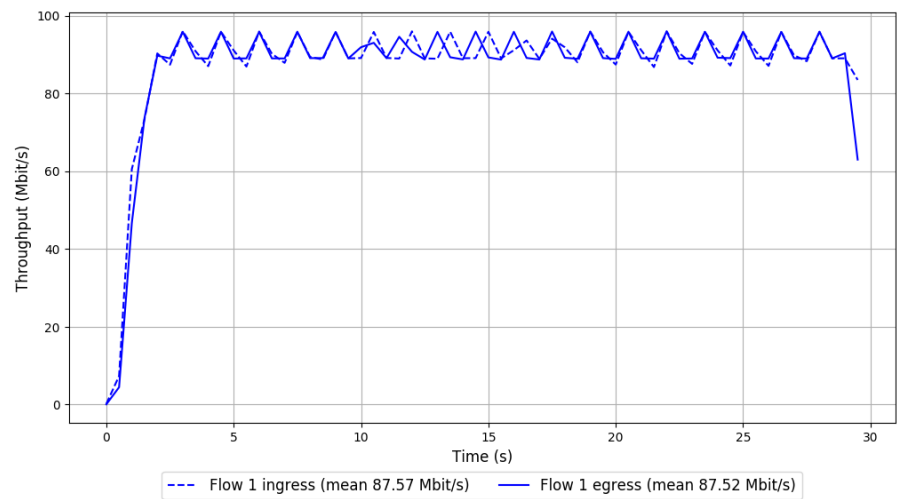


Run 4: Statistics of FillP

Start at: 2018-04-24 06:23:15
End at: 2018-04-24 06:23:45
Local clock offset: -32.331 ms
Remote clock offset: 2.914 ms

Below is generated by plot.py at 2018-04-24 12:22:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.52 Mbit/s
95th percentile per-packet one-way delay: 89.815 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 87.52 Mbit/s
95th percentile per-packet one-way delay: 89.815 ms
Loss rate: 0.66%

Run 4: Report of FillP — Data Link

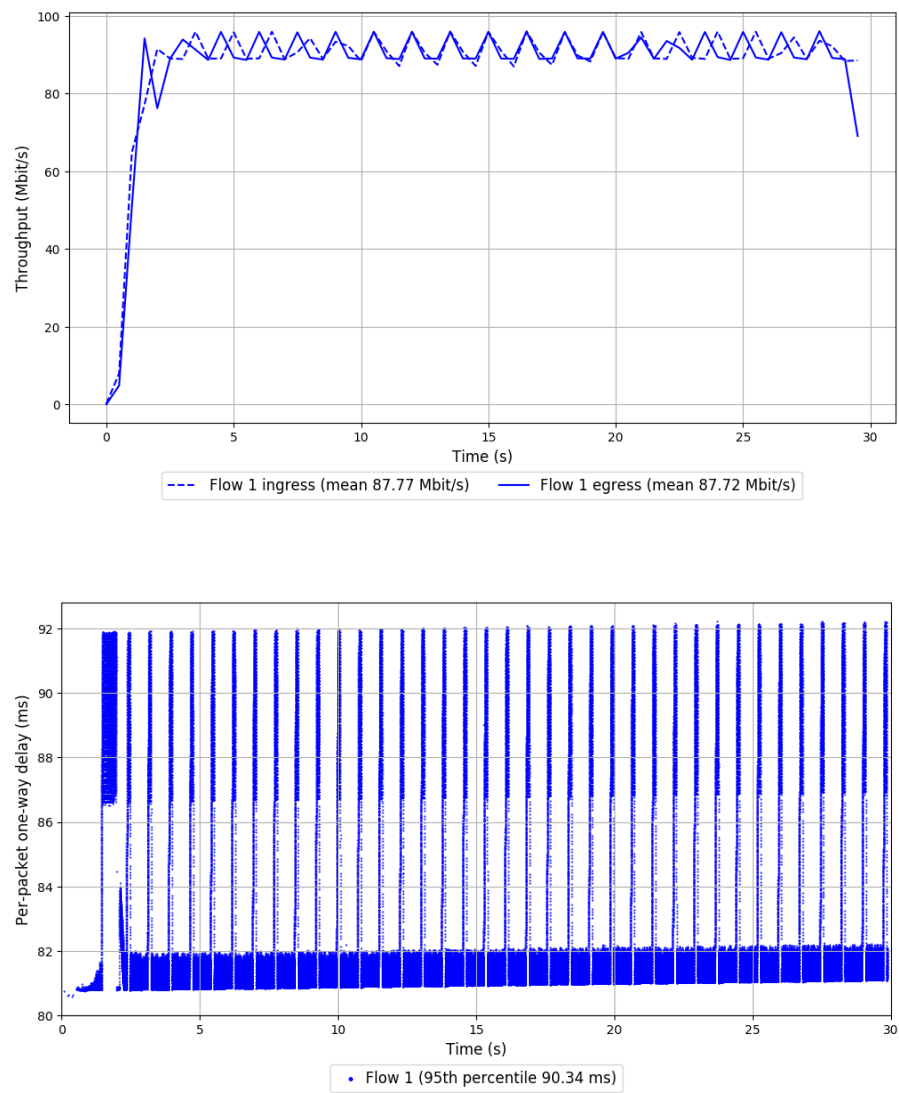


Run 5: Statistics of FillP

Start at: 2018-04-24 06:44:07
End at: 2018-04-24 06:44:37
Local clock offset: -33.319 ms
Remote clock offset: 6.584 ms

Below is generated by plot.py at 2018-04-24 12:22:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.72 Mbit/s
95th percentile per-packet one-way delay: 90.336 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 87.72 Mbit/s
95th percentile per-packet one-way delay: 90.336 ms
Loss rate: 0.67%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-04-24 07:04:59

End at: 2018-04-24 07:05:29

Local clock offset: -1.287 ms

Remote clock offset: 5.981 ms

Below is generated by plot.py at 2018-04-24 12:22:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.50 Mbit/s

95th percentile per-packet one-way delay: 89.676 ms

Loss rate: 0.66%

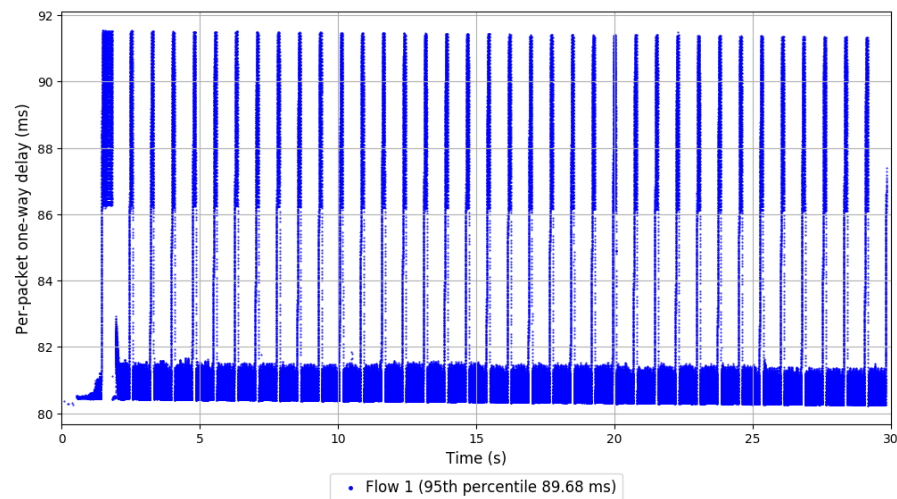
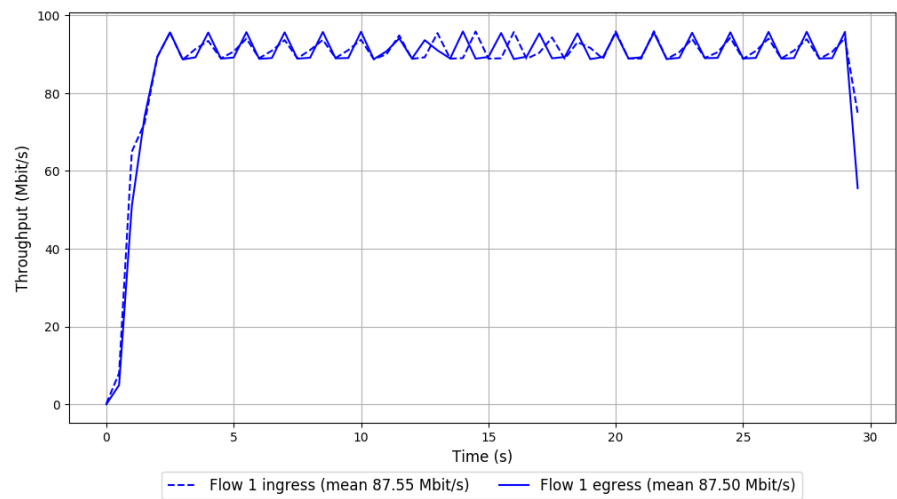
-- Flow 1:

Average throughput: 87.50 Mbit/s

95th percentile per-packet one-way delay: 89.676 ms

Loss rate: 0.66%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-04-24 07:25:51

End at: 2018-04-24 07:26:21

Local clock offset: -2.518 ms

Remote clock offset: 7.763 ms

Below is generated by plot.py at 2018-04-24 12:22:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.59 Mbit/s

95th percentile per-packet one-way delay: 89.083 ms

Loss rate: 0.67%

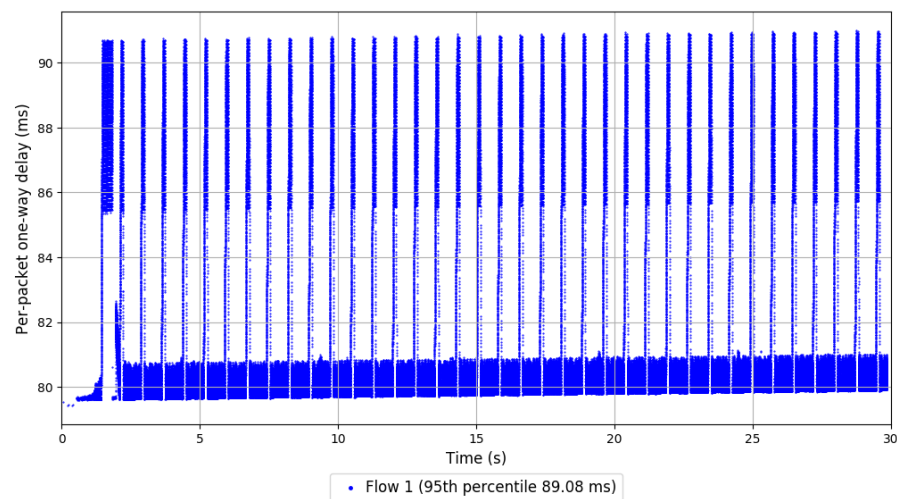
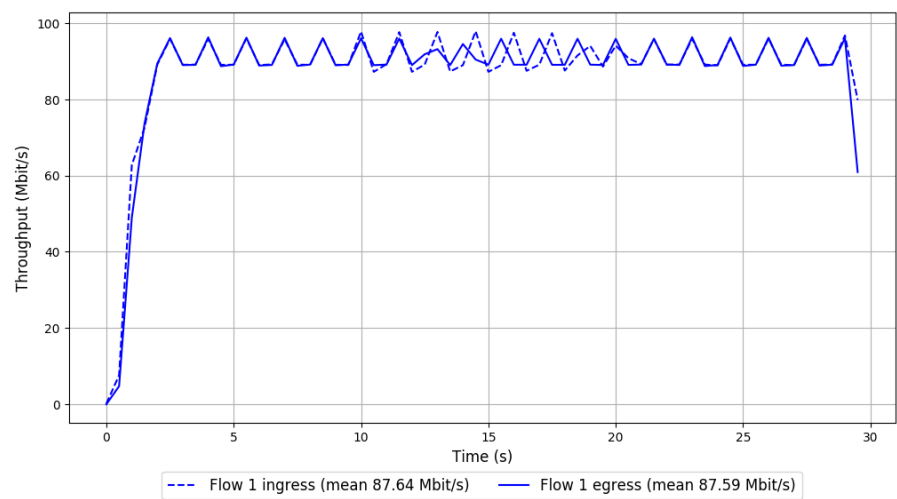
-- Flow 1:

Average throughput: 87.59 Mbit/s

95th percentile per-packet one-way delay: 89.083 ms

Loss rate: 0.67%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-04-24 07:46:43

End at: 2018-04-24 07:47:13

Local clock offset: -8.071 ms

Remote clock offset: 2.396 ms

Below is generated by plot.py at 2018-04-24 12:22:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.47 Mbit/s

95th percentile per-packet one-way delay: 93.923 ms

Loss rate: 10.63%

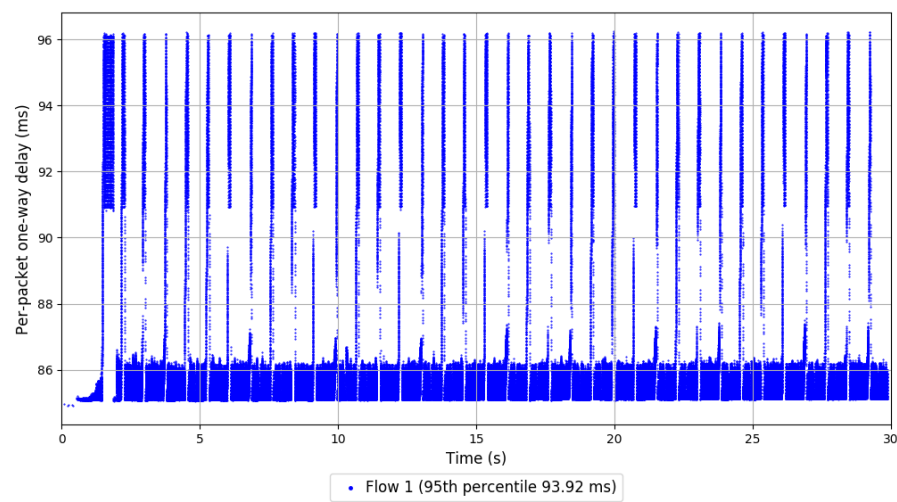
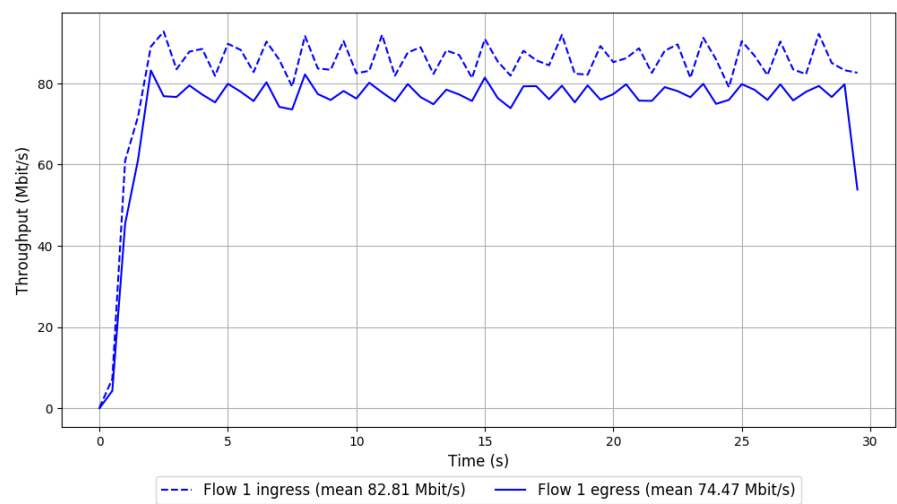
-- Flow 1:

Average throughput: 74.47 Mbit/s

95th percentile per-packet one-way delay: 93.923 ms

Loss rate: 10.63%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-04-24 08:07:36

End at: 2018-04-24 08:08:06

Local clock offset: -7.923 ms

Remote clock offset: 6.692 ms

Below is generated by plot.py at 2018-04-24 12:23:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.74 Mbit/s

95th percentile per-packet one-way delay: 87.826 ms

Loss rate: 0.66%

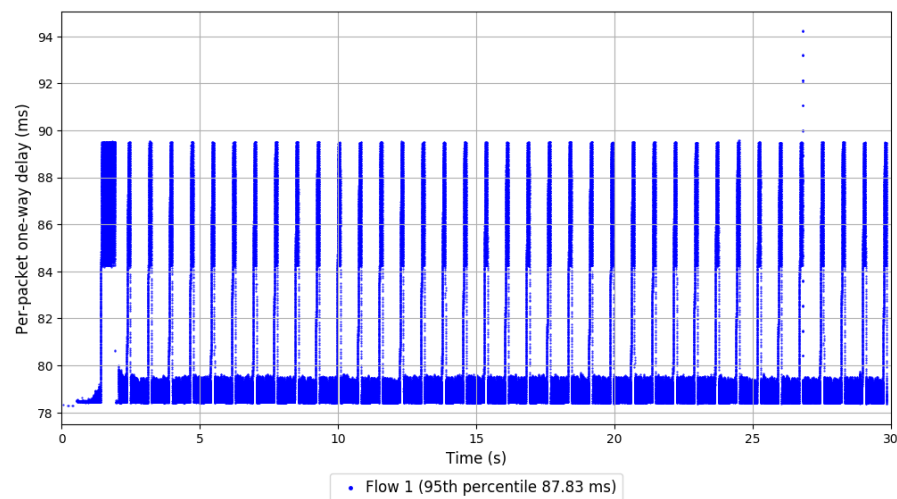
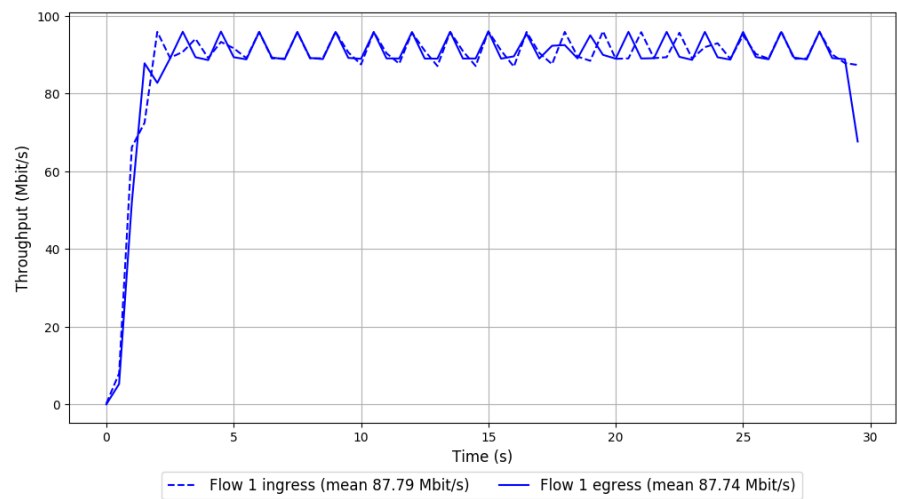
-- Flow 1:

Average throughput: 87.74 Mbit/s

95th percentile per-packet one-way delay: 87.826 ms

Loss rate: 0.66%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-04-24 08:28:25

End at: 2018-04-24 08:28:55

Local clock offset: -8.387 ms

Remote clock offset: 6.969 ms

Below is generated by plot.py at 2018-04-24 12:23:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.65 Mbit/s

95th percentile per-packet one-way delay: 88.955 ms

Loss rate: 0.66%

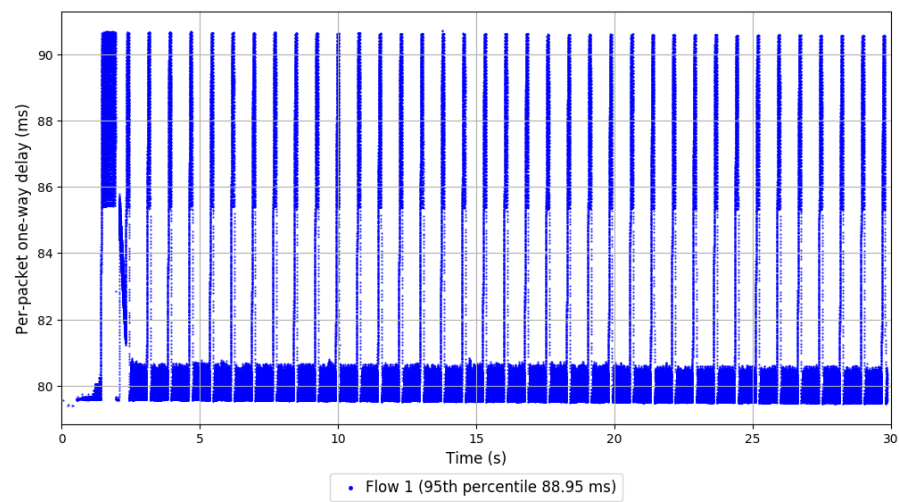
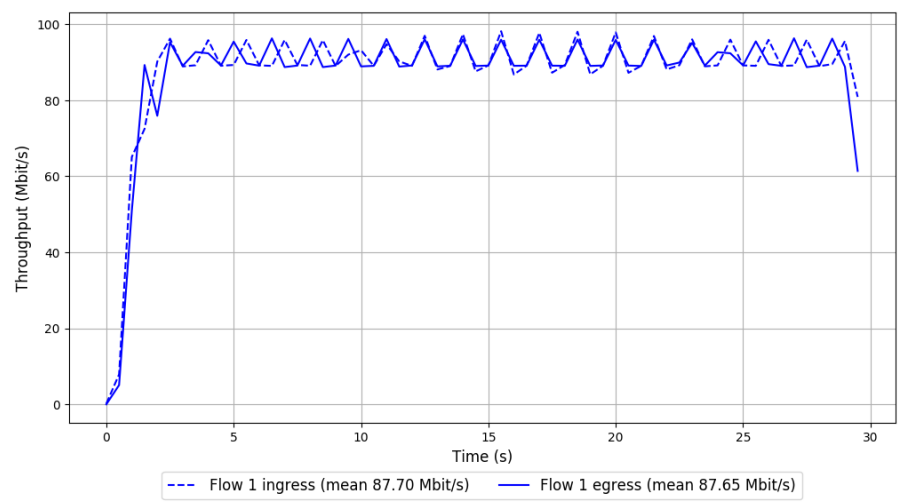
-- Flow 1:

Average throughput: 87.65 Mbit/s

95th percentile per-packet one-way delay: 88.955 ms

Loss rate: 0.66%

Run 10: Report of FillP — Data Link

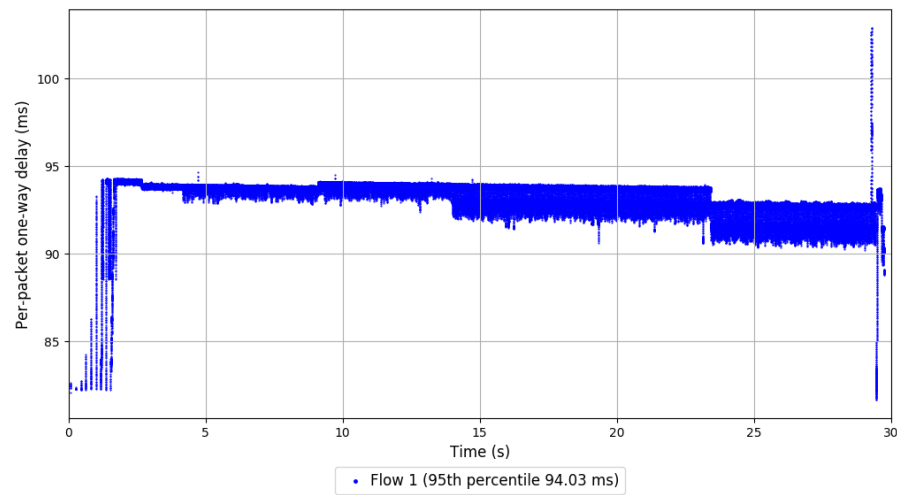
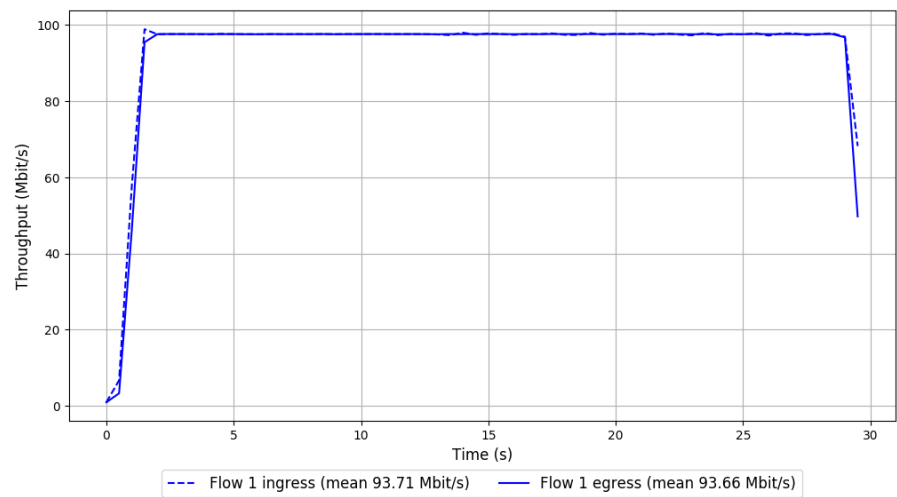


Run 1: Statistics of Indigo-1-32

Start at: 2018-04-24 05:22:51
End at: 2018-04-24 05:23:21
Local clock offset: -28.371 ms
Remote clock offset: 3.202 ms

Below is generated by plot.py at 2018-04-24 12:23:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.66 Mbit/s
95th percentile per-packet one-way delay: 94.034 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 93.66 Mbit/s
95th percentile per-packet one-way delay: 94.034 ms
Loss rate: 0.66%

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

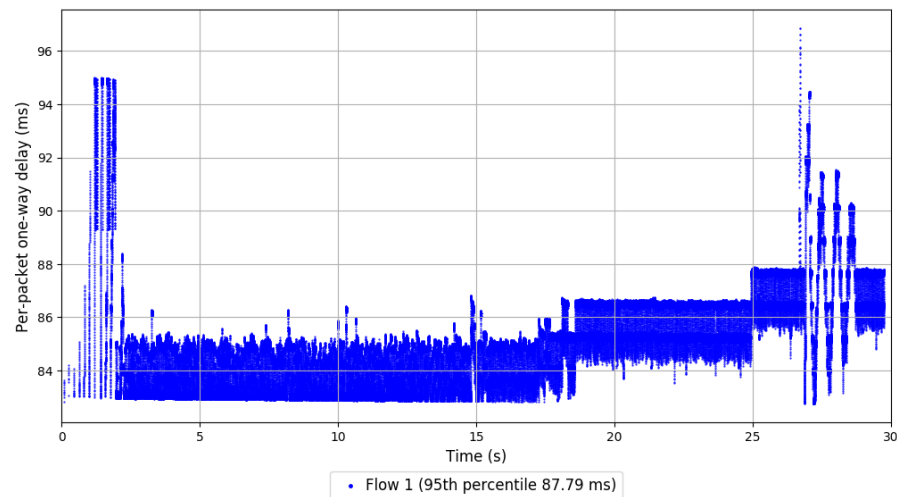
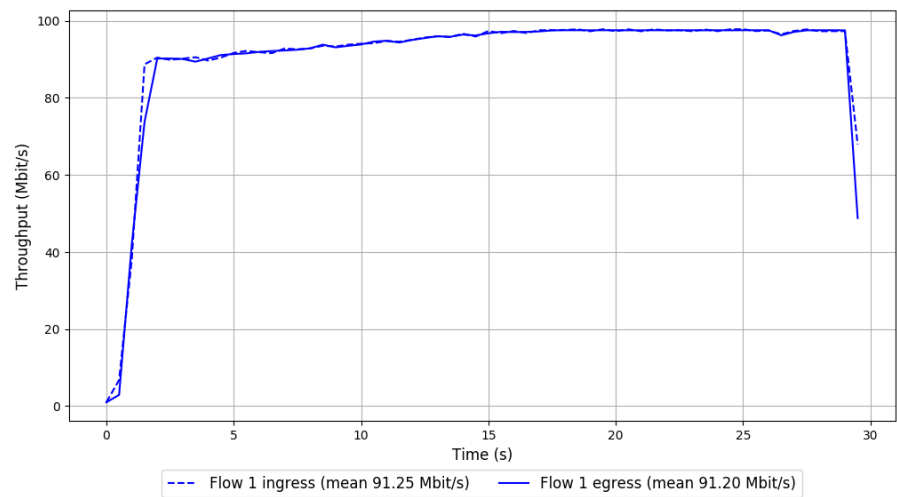


Run 2: Statistics of Indigo-1-32

Start at: 2018-04-24 05:43:44
End at: 2018-04-24 05:44:14
Local clock offset: -35.708 ms
Remote clock offset: 3.146 ms

Below is generated by plot.py at 2018-04-24 12:23:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.20 Mbit/s
95th percentile per-packet one-way delay: 87.792 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 91.20 Mbit/s
95th percentile per-packet one-way delay: 87.792 ms
Loss rate: 0.66%

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

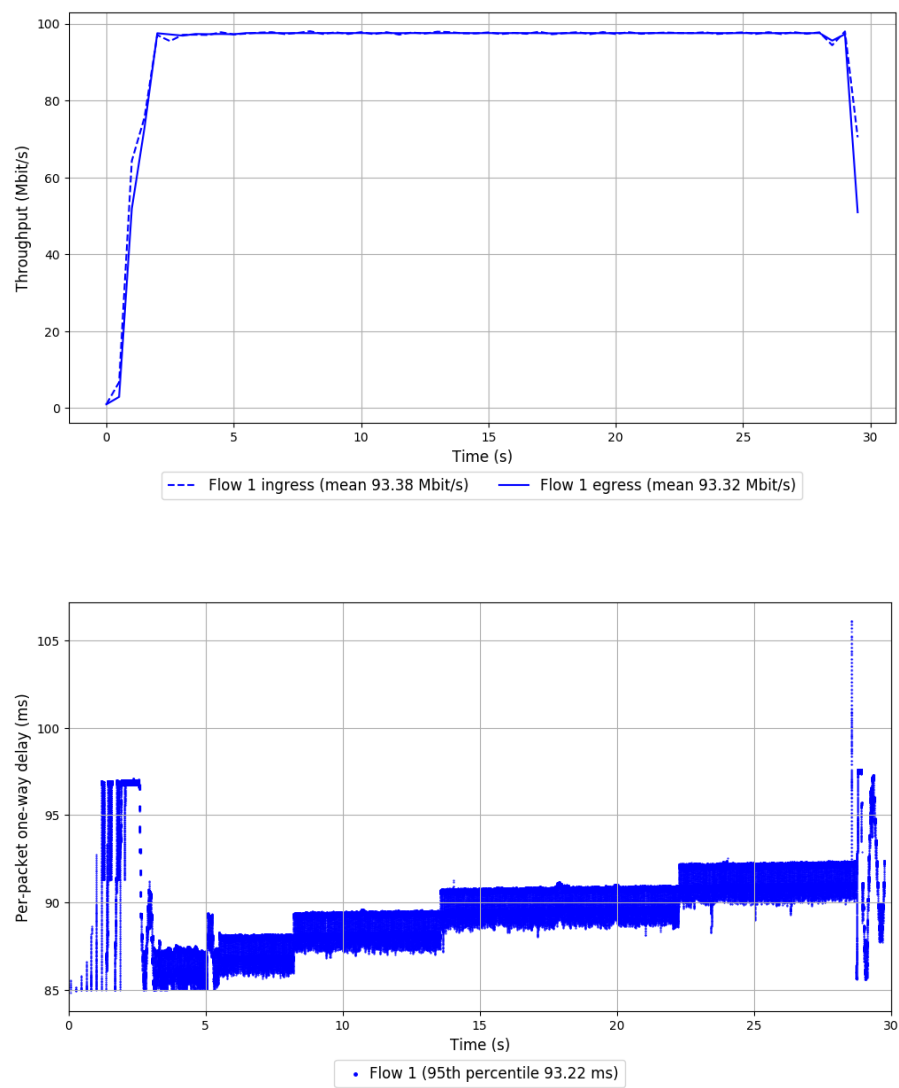


Run 3: Statistics of Indigo-1-32

Start at: 2018-04-24 06:04:34
End at: 2018-04-24 06:05:04
Local clock offset: -51.919 ms
Remote clock offset: 2.304 ms

Below is generated by plot.py at 2018-04-24 12:23:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.32 Mbit/s
95th percentile per-packet one-way delay: 93.218 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 93.32 Mbit/s
95th percentile per-packet one-way delay: 93.218 ms
Loss rate: 0.66%

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

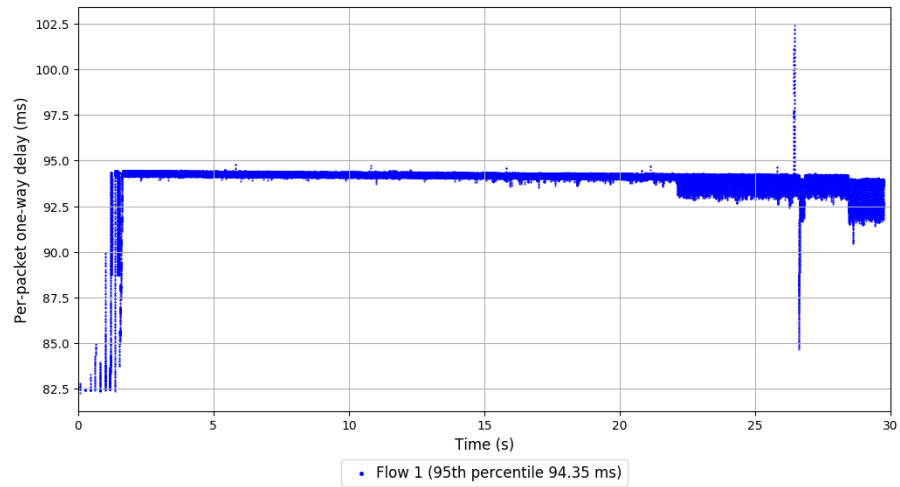
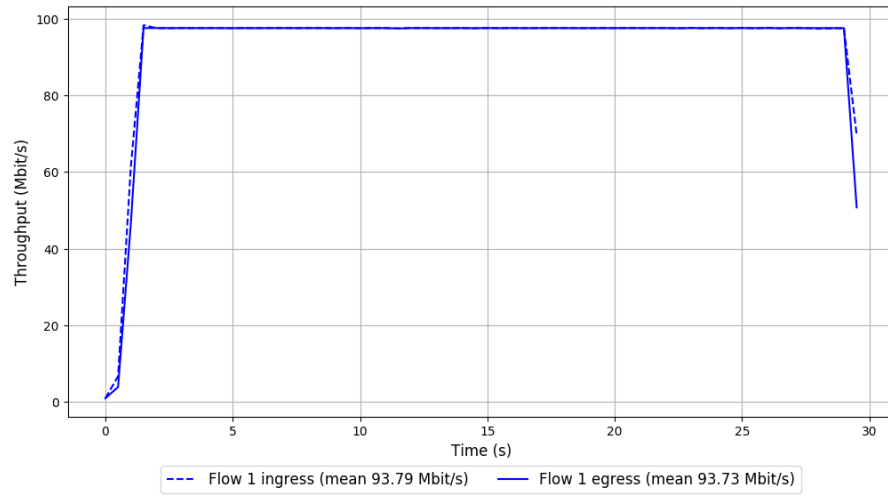


Run 4: Statistics of Indigo-1-32

Start at: 2018-04-24 06:25:41
End at: 2018-04-24 06:26:11
Local clock offset: -28.932 ms
Remote clock offset: 2.828 ms

Below is generated by plot.py at 2018-04-24 12:23:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.73 Mbit/s
95th percentile per-packet one-way delay: 94.348 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 93.73 Mbit/s
95th percentile per-packet one-way delay: 94.348 ms
Loss rate: 0.66%

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

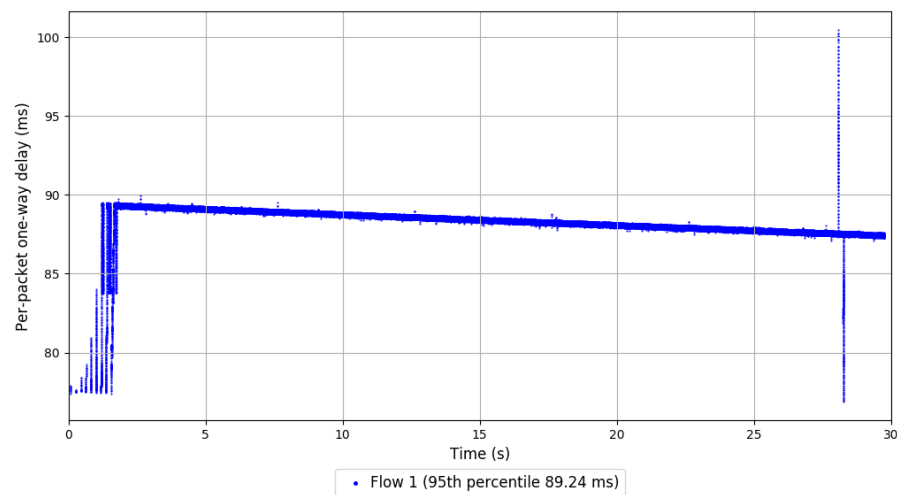
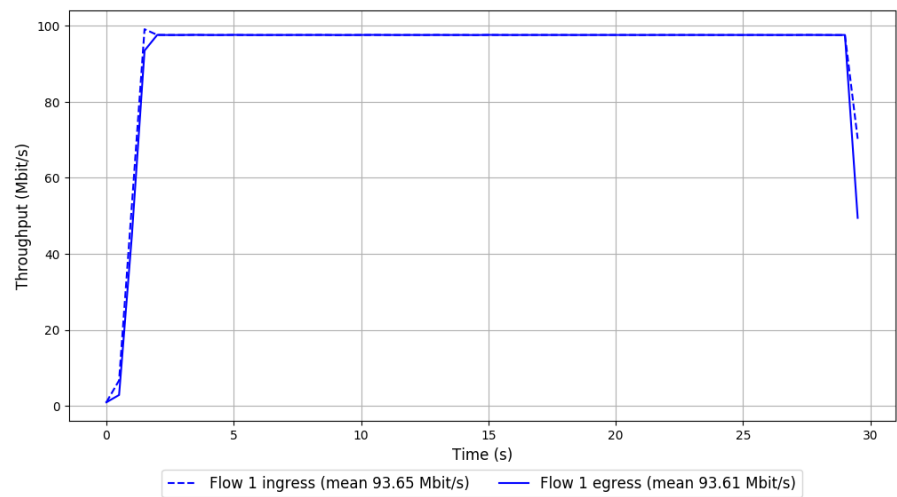


Run 5: Statistics of Indigo-1-32

Start at: 2018-04-24 06:46:34
End at: 2018-04-24 06:47:04
Local clock offset: -35.985 ms
Remote clock offset: 5.648 ms

Below is generated by plot.py at 2018-04-24 12:23:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.61 Mbit/s
95th percentile per-packet one-way delay: 89.236 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 93.61 Mbit/s
95th percentile per-packet one-way delay: 89.236 ms
Loss rate: 0.68%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-04-24 07:07:26

End at: 2018-04-24 07:07:56

Local clock offset: -0.858 ms

Remote clock offset: 3.219 ms

Below is generated by plot.py at 2018-04-24 12:24:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.58 Mbit/s

95th percentile per-packet one-way delay: 93.506 ms

Loss rate: 0.67%

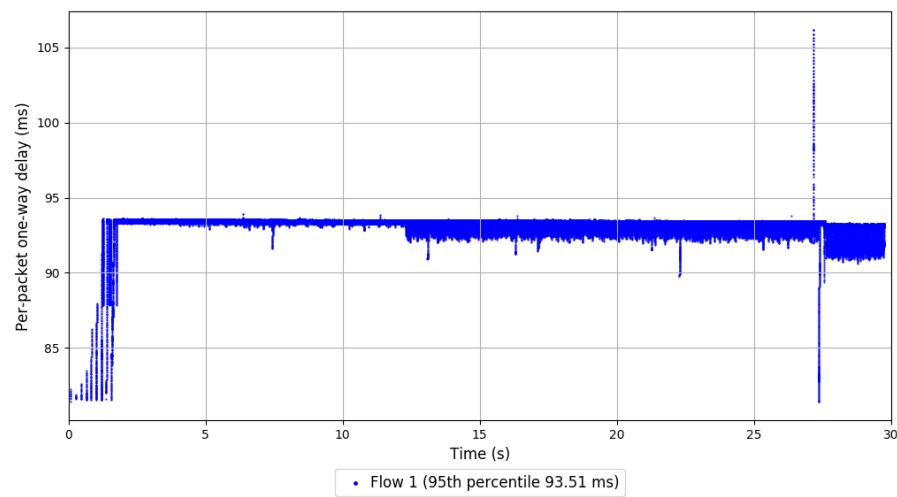
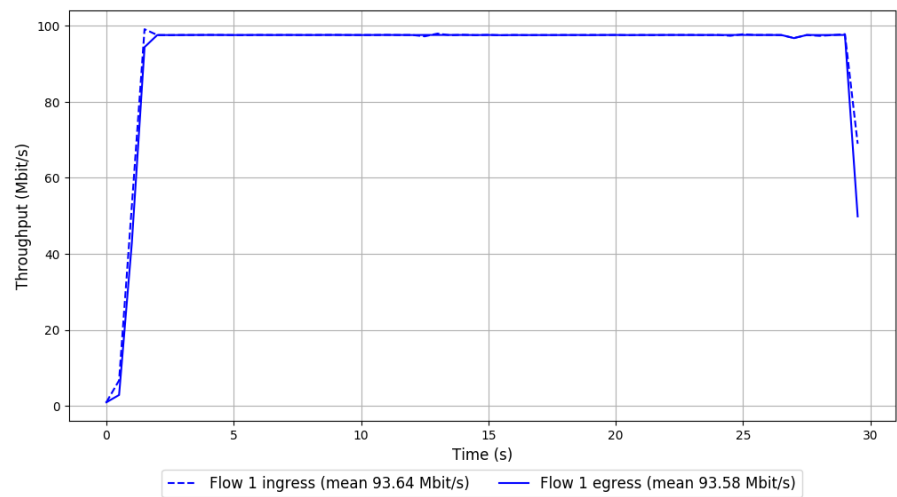
-- Flow 1:

Average throughput: 93.58 Mbit/s

95th percentile per-packet one-way delay: 93.506 ms

Loss rate: 0.67%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-04-24 07:28:17

End at: 2018-04-24 07:28:47

Local clock offset: -3.179 ms

Remote clock offset: 8.576 ms

Below is generated by plot.py at 2018-04-24 12:24:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.31 Mbit/s

95th percentile per-packet one-way delay: 92.657 ms

Loss rate: 11.53%

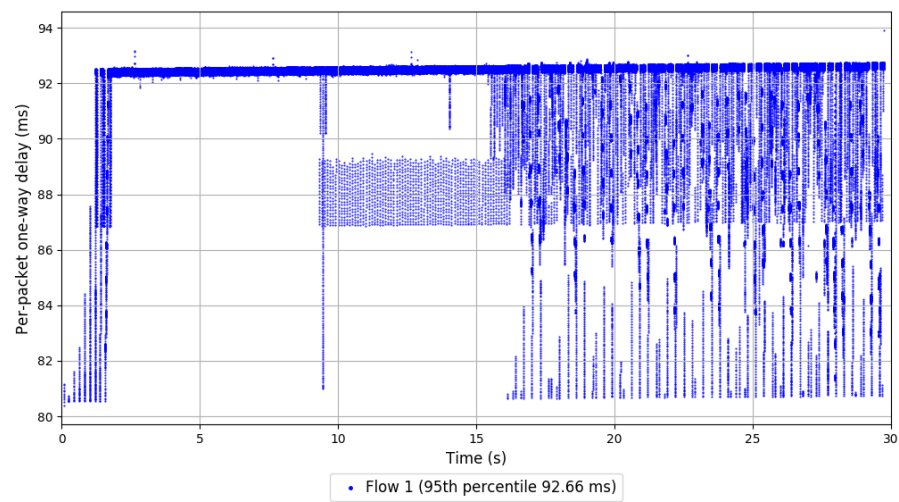
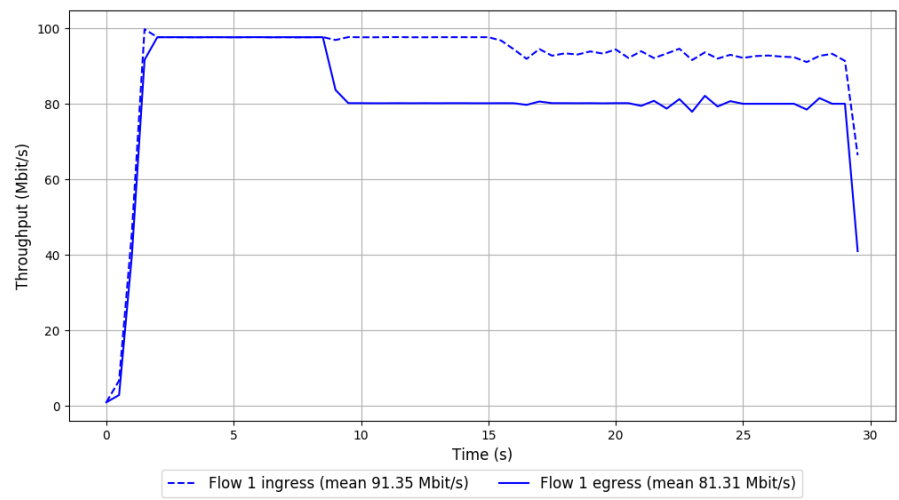
-- Flow 1:

Average throughput: 81.31 Mbit/s

95th percentile per-packet one-way delay: 92.657 ms

Loss rate: 11.53%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-04-24 07:49:09

End at: 2018-04-24 07:49:39

Local clock offset: -9.227 ms

Remote clock offset: 2.344 ms

Below is generated by plot.py at 2018-04-24 12:25:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.70 Mbit/s

95th percentile per-packet one-way delay: 94.362 ms

Loss rate: 0.66%

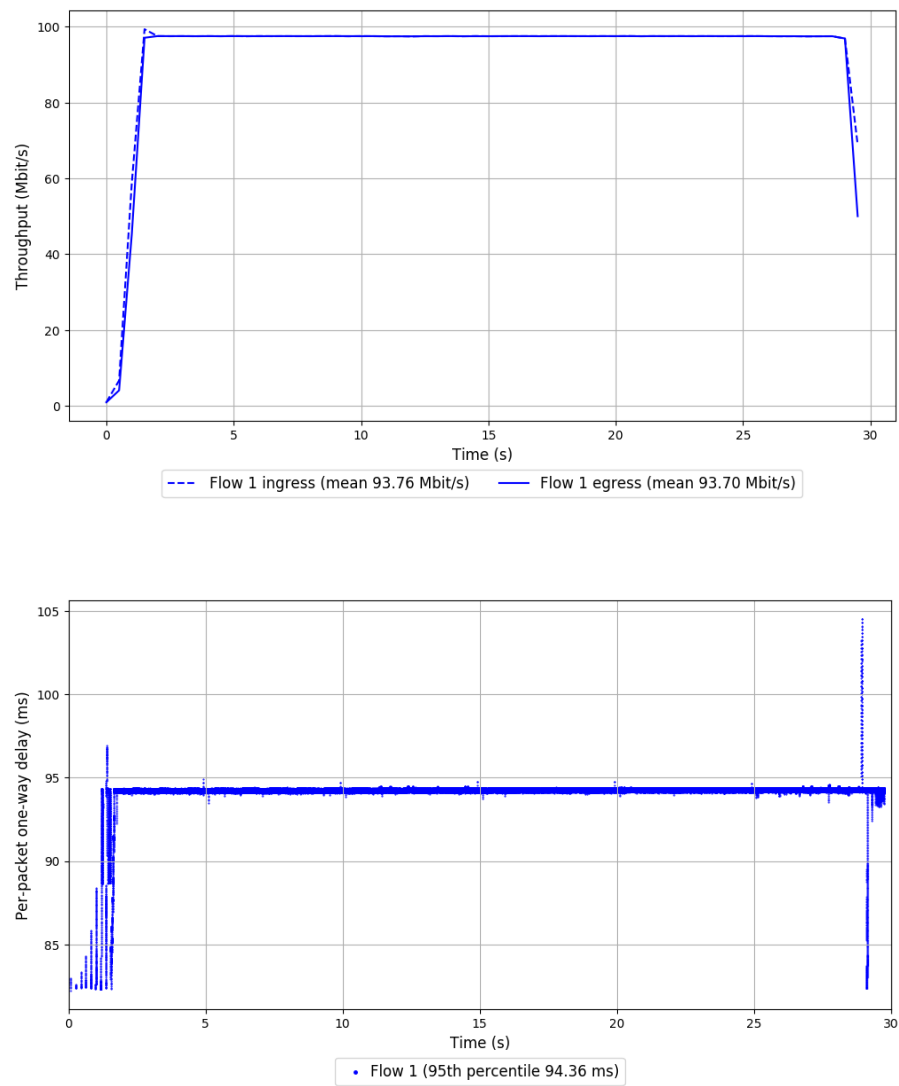
-- Flow 1:

Average throughput: 93.70 Mbit/s

95th percentile per-packet one-way delay: 94.362 ms

Loss rate: 0.66%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-04-24 08:10:03

End at: 2018-04-24 08:10:33

Local clock offset: -8.617 ms

Remote clock offset: 5.738 ms

Below is generated by plot.py at 2018-04-24 12:25:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.42 Mbit/s

95th percentile per-packet one-way delay: 85.919 ms

Loss rate: 0.65%

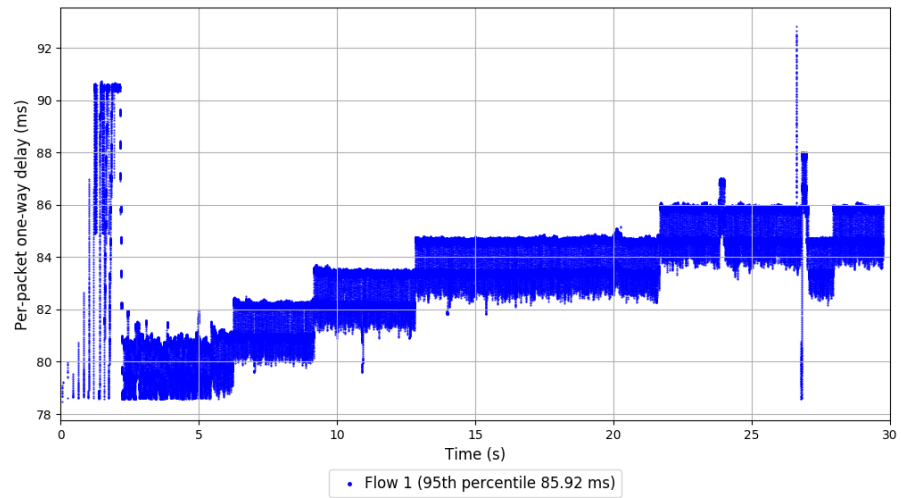
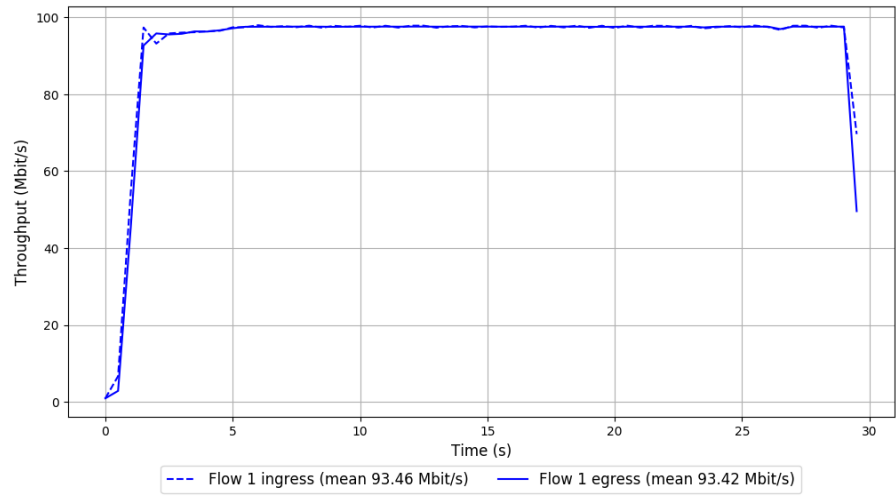
-- Flow 1:

Average throughput: 93.42 Mbit/s

95th percentile per-packet one-way delay: 85.919 ms

Loss rate: 0.65%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-04-24 08:30:51

End at: 2018-04-24 08:31:21

Local clock offset: -8.729 ms

Remote clock offset: 3.223 ms

Below is generated by plot.py at 2018-04-24 12:25:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.29 Mbit/s

95th percentile per-packet one-way delay: 95.303 ms

Loss rate: 4.63%

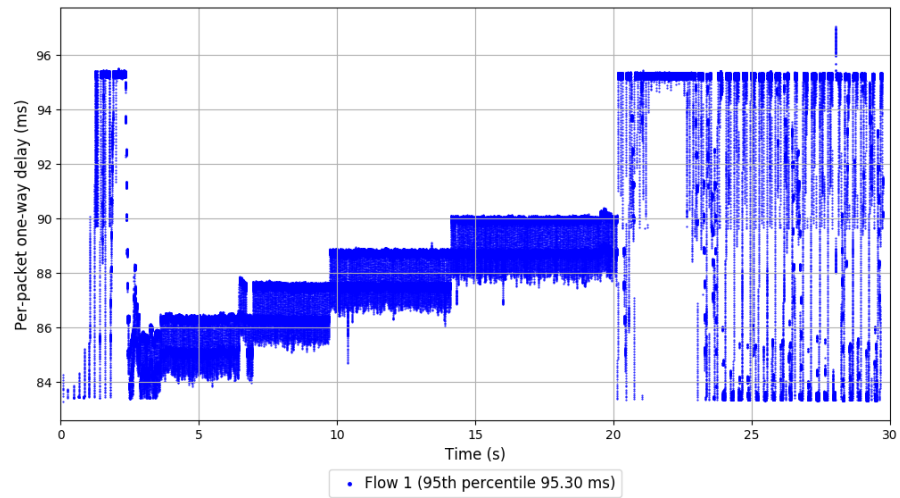
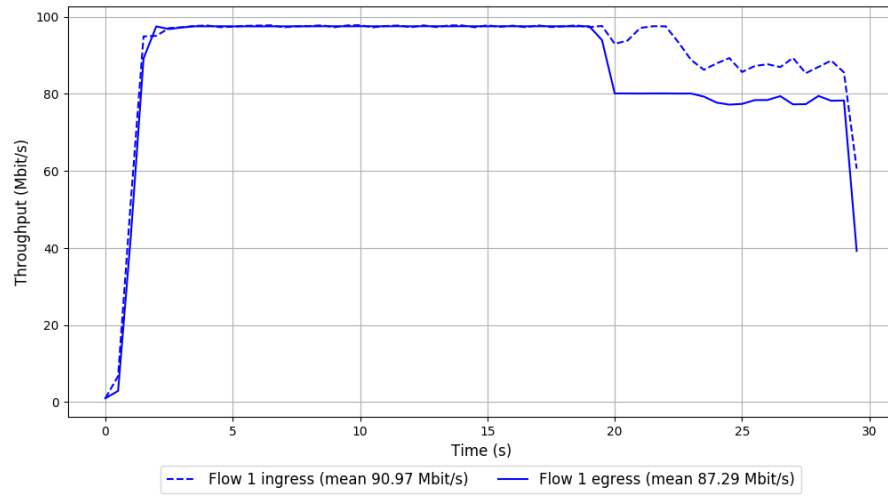
-- Flow 1:

Average throughput: 87.29 Mbit/s

95th percentile per-packet one-way delay: 95.303 ms

Loss rate: 4.63%

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

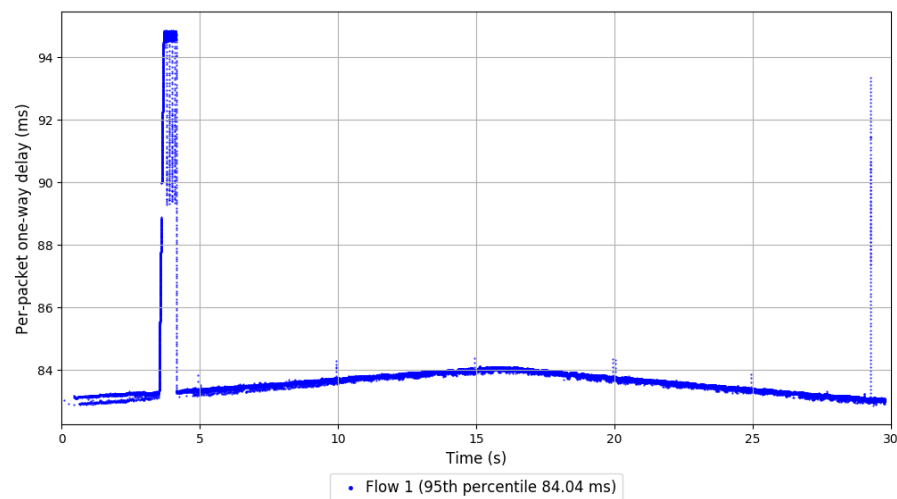
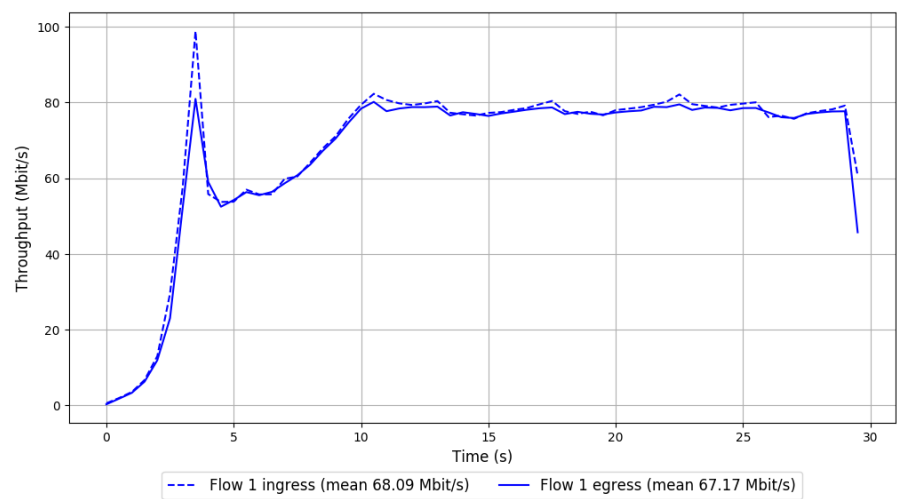


Run 1: Statistics of PCC-Vivace

Start at: 2018-04-24 05:11:52
End at: 2018-04-24 05:12:22
Local clock offset: -21.783 ms
Remote clock offset: 2.085 ms

Below is generated by plot.py at 2018-04-24 12:25:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.17 Mbit/s
95th percentile per-packet one-way delay: 84.043 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 67.17 Mbit/s
95th percentile per-packet one-way delay: 84.043 ms
Loss rate: 1.94%

Run 1: Report of PCC-Vivace — Data Link

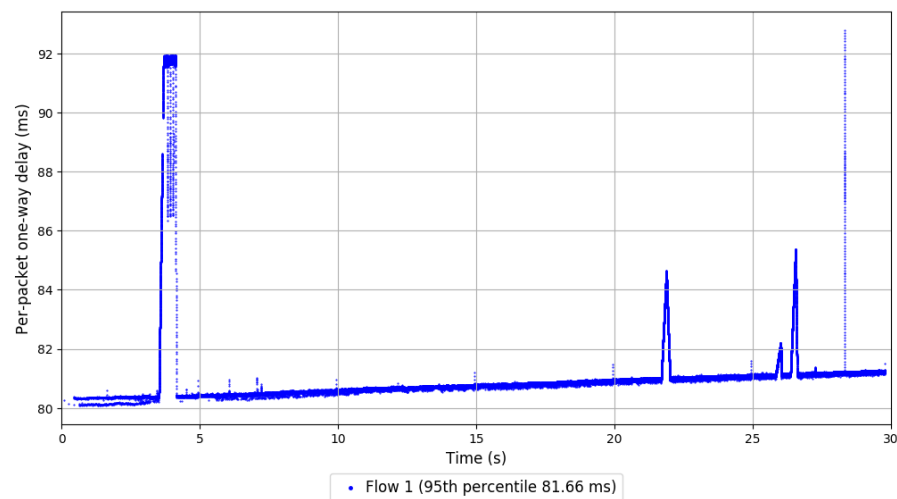
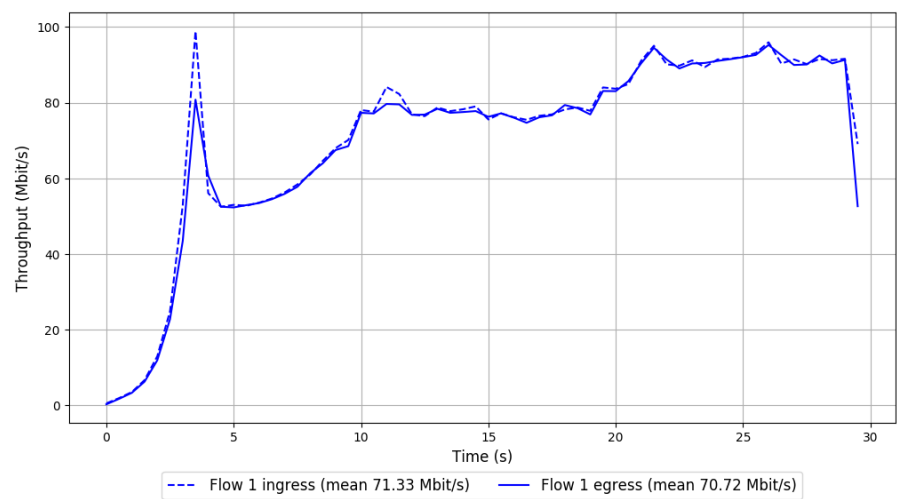


Run 2: Statistics of PCC-Vivace

Start at: 2018-04-24 05:32:46
End at: 2018-04-24 05:33:16
Local clock offset: -34.095 ms
Remote clock offset: 7.444 ms

Below is generated by plot.py at 2018-04-24 12:25:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.72 Mbit/s
95th percentile per-packet one-way delay: 81.659 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 70.72 Mbit/s
95th percentile per-packet one-way delay: 81.659 ms
Loss rate: 1.46%

Run 2: Report of PCC-Vivace — Data Link

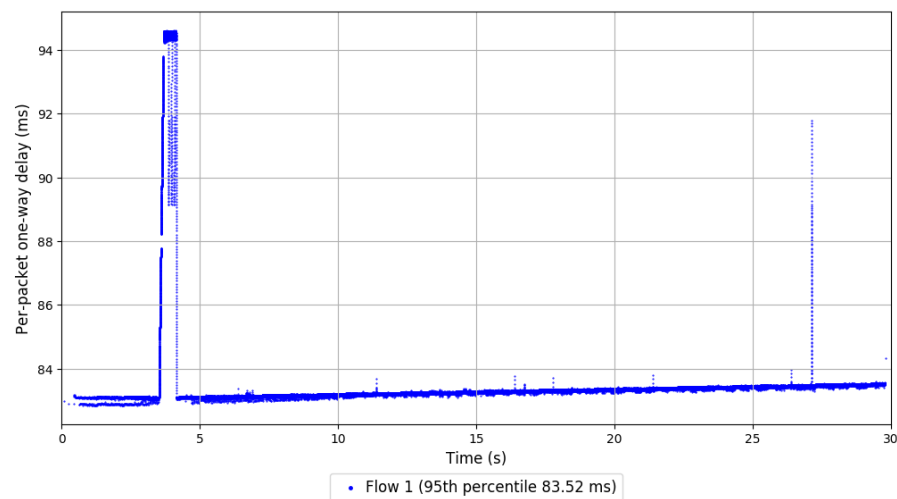
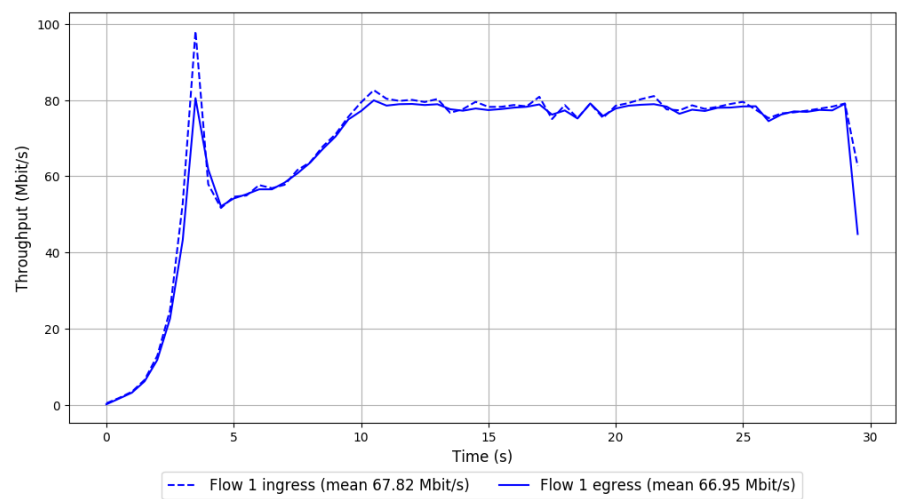


Run 3: Statistics of PCC-Vivace

Start at: 2018-04-24 05:53:38
End at: 2018-04-24 05:54:08
Local clock offset: -38.372 ms
Remote clock offset: 3.253 ms

Below is generated by plot.py at 2018-04-24 12:25:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.95 Mbit/s
95th percentile per-packet one-way delay: 83.517 ms
Loss rate: 1.87%
-- Flow 1:
Average throughput: 66.95 Mbit/s
95th percentile per-packet one-way delay: 83.517 ms
Loss rate: 1.87%

Run 3: Report of PCC-Vivace — Data Link

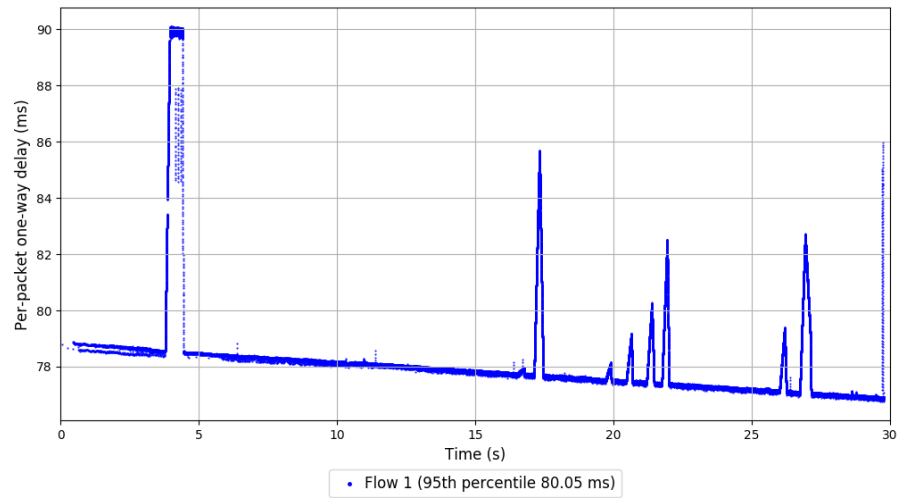
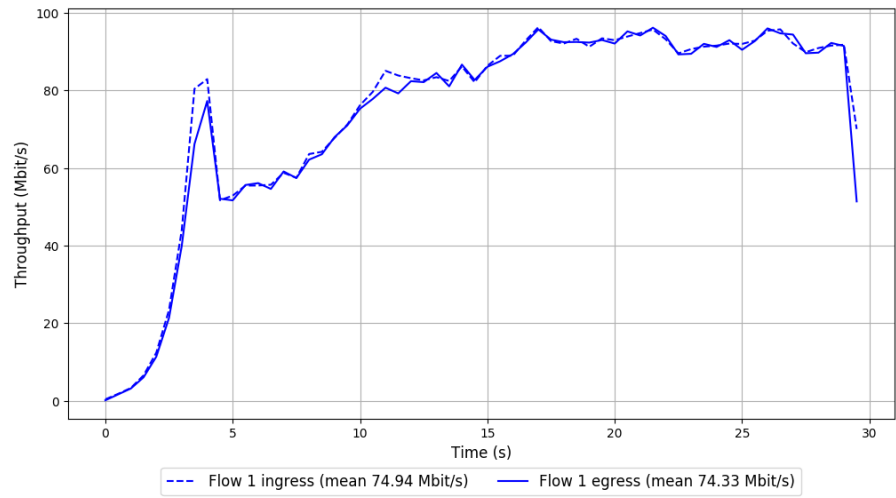


Run 4: Statistics of PCC-Vivace

Start at: 2018-04-24 06:14:32
End at: 2018-04-24 06:15:02
Local clock offset: -53.795 ms
Remote clock offset: 3.005 ms

Below is generated by plot.py at 2018-04-24 12:25:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.33 Mbit/s
95th percentile per-packet one-way delay: 80.050 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 74.33 Mbit/s
95th percentile per-packet one-way delay: 80.050 ms
Loss rate: 1.42%

Run 4: Report of PCC-Vivace — Data Link

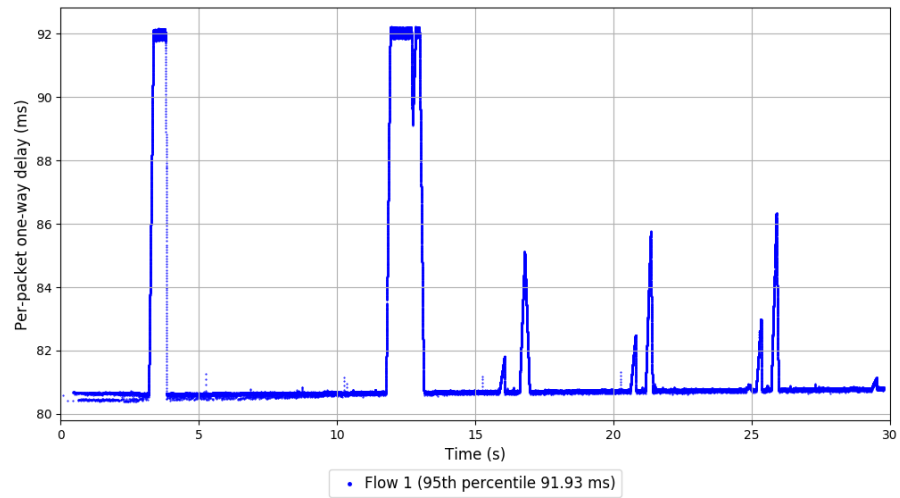
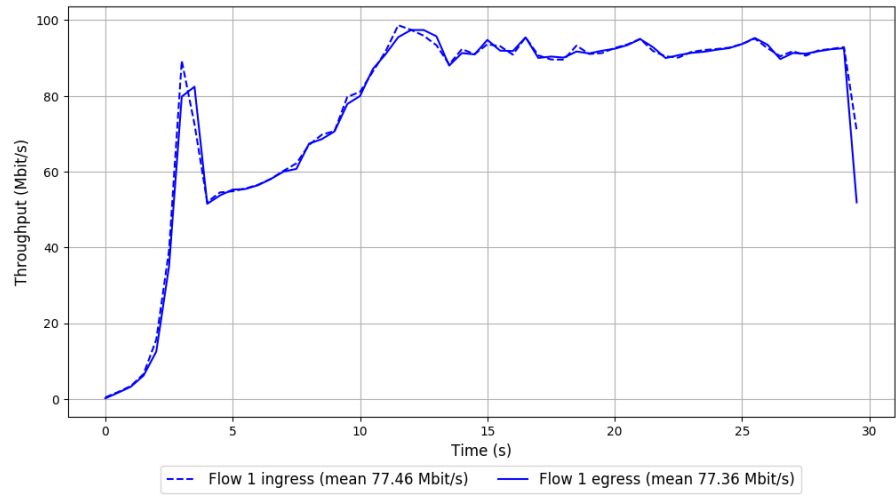


Run 5: Statistics of PCC-Vivace

Start at: 2018-04-24 06:35:35
End at: 2018-04-24 06:36:05
Local clock offset: -29.495 ms
Remote clock offset: 6.635 ms

Below is generated by plot.py at 2018-04-24 12:25:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.36 Mbit/s
95th percentile per-packet one-way delay: 91.930 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 77.36 Mbit/s
95th percentile per-packet one-way delay: 91.930 ms
Loss rate: 0.74%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-04-24 06:56:27

End at: 2018-04-24 06:56:57

Local clock offset: -8.919 ms

Remote clock offset: 6.494 ms

Below is generated by plot.py at 2018-04-24 12:25:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.89 Mbit/s

95th percentile per-packet one-way delay: 89.030 ms

Loss rate: 0.80%

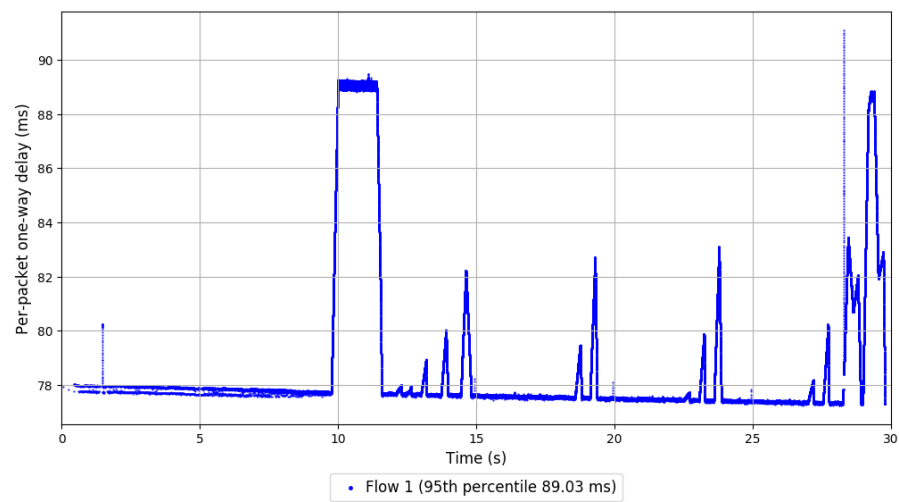
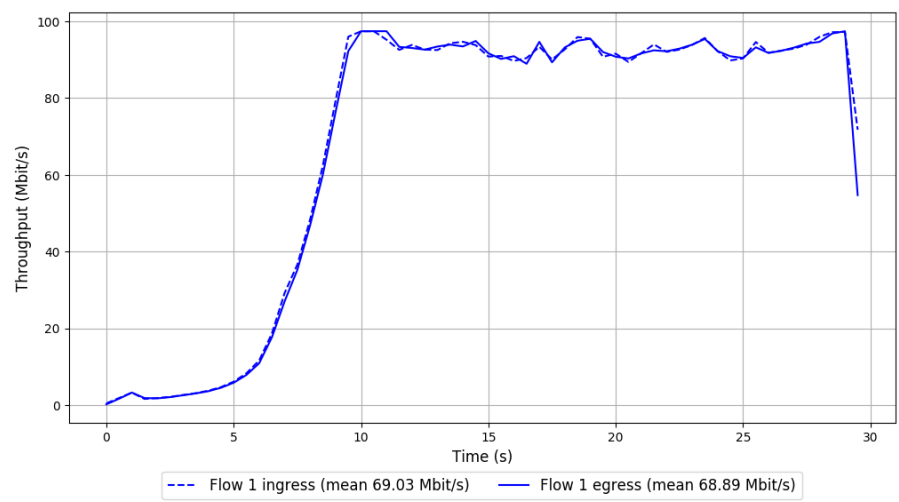
-- Flow 1:

Average throughput: 68.89 Mbit/s

95th percentile per-packet one-way delay: 89.030 ms

Loss rate: 0.80%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-04-24 07:17:21

End at: 2018-04-24 07:17:51

Local clock offset: 1.434 ms

Remote clock offset: 2.943 ms

Below is generated by plot.py at 2018-04-24 12:25:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.71 Mbit/s

95th percentile per-packet one-way delay: 94.119 ms

Loss rate: 0.77%

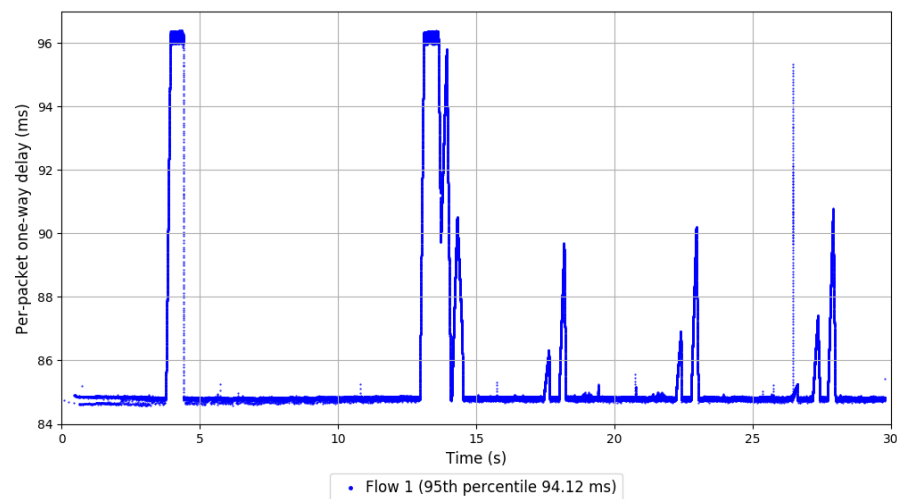
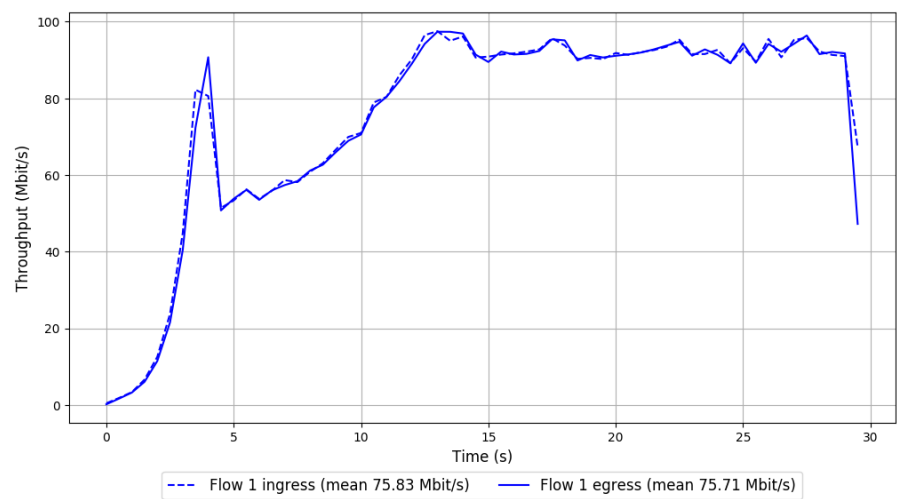
-- Flow 1:

Average throughput: 75.71 Mbit/s

95th percentile per-packet one-way delay: 94.119 ms

Loss rate: 0.77%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-04-24 07:38:12

End at: 2018-04-24 07:38:42

Local clock offset: -7.247 ms

Remote clock offset: 3.035 ms

Below is generated by plot.py at 2018-04-24 12:25:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.36 Mbit/s

95th percentile per-packet one-way delay: 92.737 ms

Loss rate: 0.80%

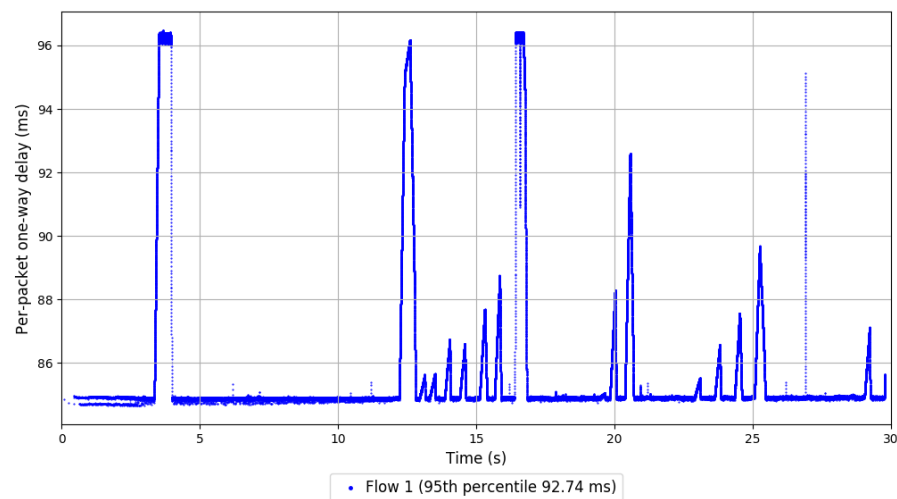
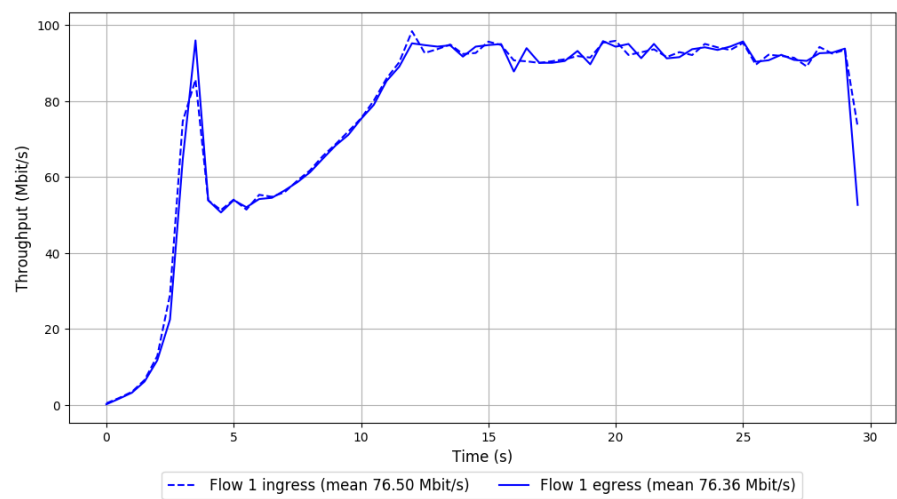
-- Flow 1:

Average throughput: 76.36 Mbit/s

95th percentile per-packet one-way delay: 92.737 ms

Loss rate: 0.80%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-04-24 07:59:04

End at: 2018-04-24 07:59:34

Local clock offset: -8.79 ms

Remote clock offset: 6.764 ms

Below is generated by plot.py at 2018-04-24 12:25:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.78 Mbit/s

95th percentile per-packet one-way delay: 89.065 ms

Loss rate: 0.72%

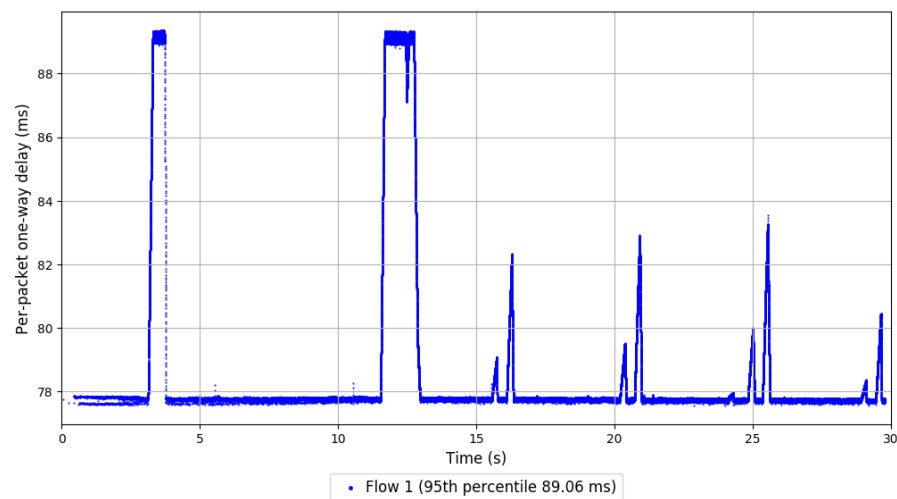
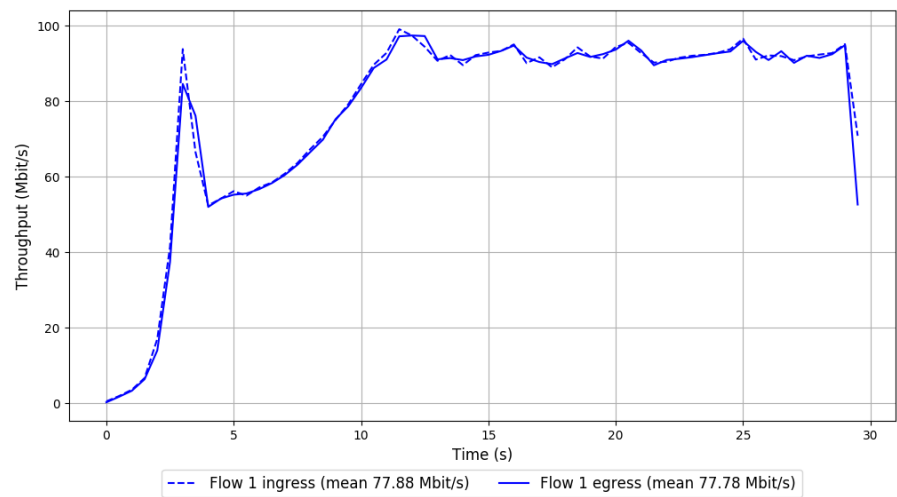
-- Flow 1:

Average throughput: 77.78 Mbit/s

95th percentile per-packet one-way delay: 89.065 ms

Loss rate: 0.72%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-04-24 08:19:55

End at: 2018-04-24 08:20:25

Local clock offset: -8.121 ms

Remote clock offset: 2.794 ms

Below is generated by plot.py at 2018-04-24 12:25:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.48 Mbit/s

95th percentile per-packet one-way delay: 94.364 ms

Loss rate: 0.75%

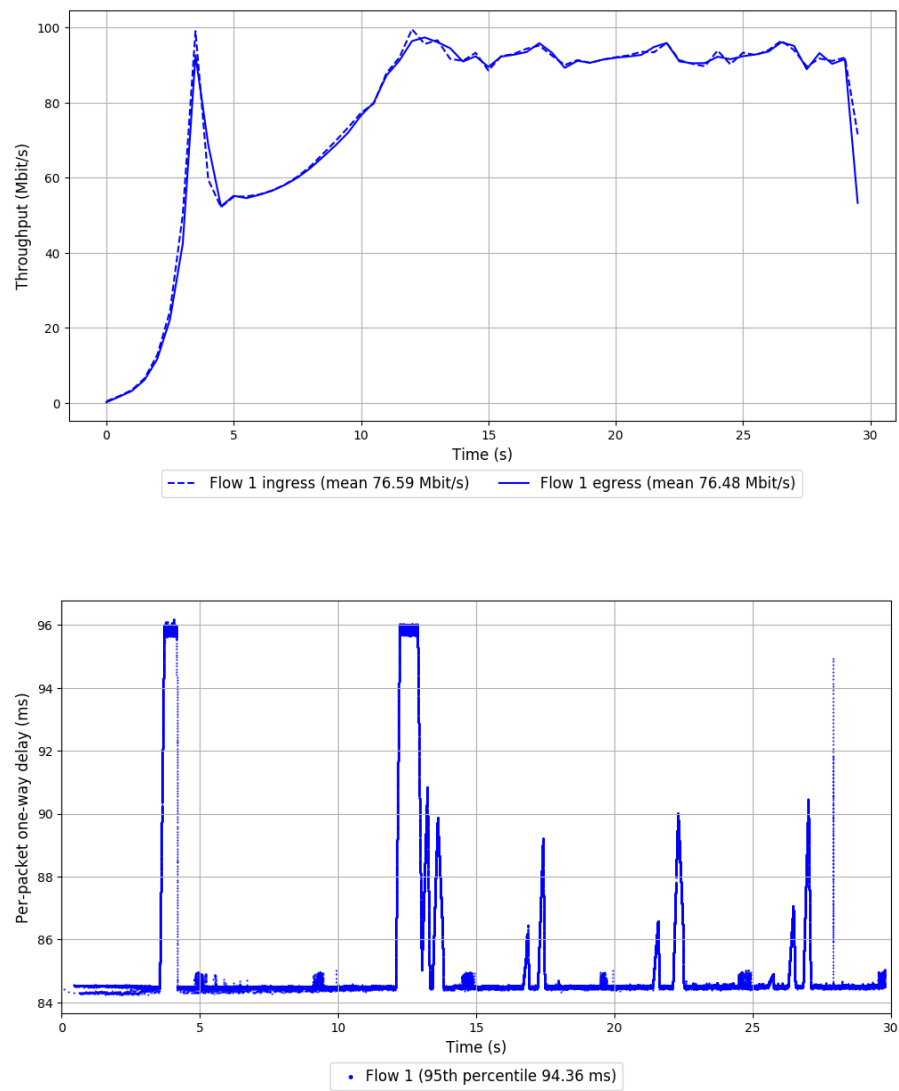
-- Flow 1:

Average throughput: 76.48 Mbit/s

95th percentile per-packet one-way delay: 94.364 ms

Loss rate: 0.75%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-04-24 05:13:08
End at: 2018-04-24 05:13:38
Local clock offset: -21.728 ms
Remote clock offset: 5.853 ms

Run 1: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC-Expr

Start at: 2018-04-24 05:34:02
End at: 2018-04-24 05:34:32
Local clock offset: -36.394 ms
Remote clock offset: 2.868 ms

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

Start at: 2018-04-24 05:54:53

End at: 2018-04-24 05:55:23

Local clock offset: -40.373 ms

Remote clock offset: 7.947 ms

Run 3: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of PCC-Expr

Start at: 2018-04-24 06:15:58

End at: 2018-04-24 06:16:28

Local clock offset: -47.187 ms

Remote clock offset: 2.943 ms

Run 4: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of PCC-Expr

Start at: 2018-04-24 06:36:51

End at: 2018-04-24 06:37:21

Local clock offset: -30.751 ms

Remote clock offset: 7.472 ms

Run 5: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of PCC-Expr

Start at: 2018-04-24 06:57:43

End at: 2018-04-24 06:58:13

Local clock offset: -8.486 ms

Remote clock offset: 6.517 ms

Run 6: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of PCC-Expr

Start at: 2018-04-24 07:18:36

End at: 2018-04-24 07:19:06

Local clock offset: 2.445 ms

Remote clock offset: 7.565 ms

Run 7: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-04-24 07:39:28

End at: 2018-04-24 07:39:58

Local clock offset: -8.365 ms

Remote clock offset: 7.538 ms

Run 8: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-04-24 08:00:20

End at: 2018-04-24 08:00:50

Local clock offset: -8.582 ms

Remote clock offset: 2.967 ms

Run 9: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of PCC-Expr

Start at: 2018-04-24 08:21:11

End at: 2018-04-24 08:21:41

Local clock offset: -7.334 ms

Remote clock offset: 8.386 ms

Run 10: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing