

Pantheon Report

Generated at 2018-04-17 13:01:40 (UTC).

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

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).

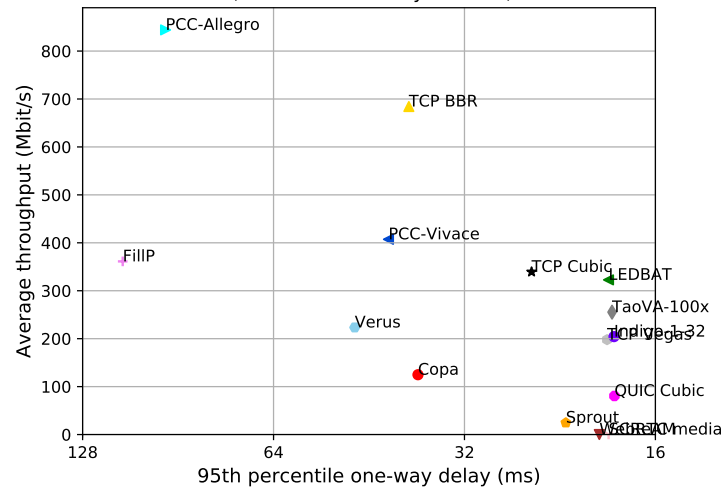
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

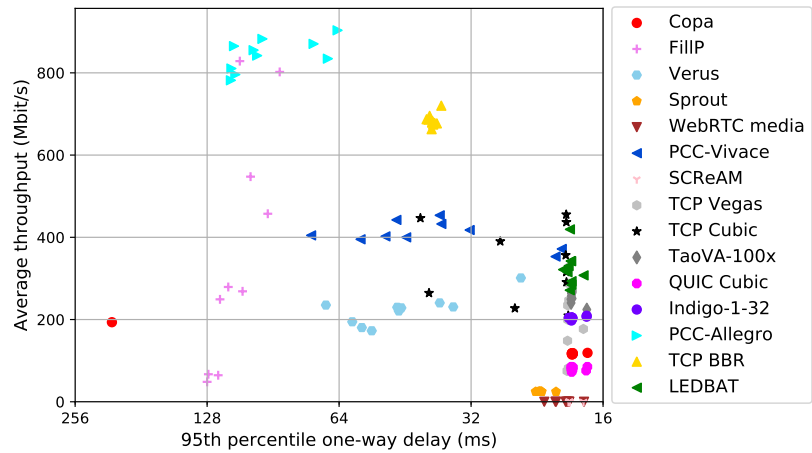
Git summary:

```
branch: master @ b3d6e7098641364fd3a292656a51aa81e316d0b4
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 @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
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 AWS California 1 Ethernet to Stanford Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



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



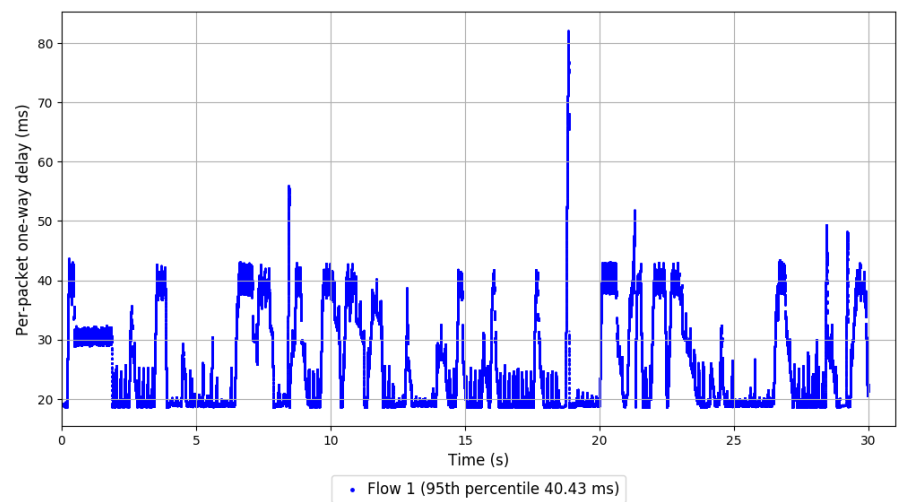
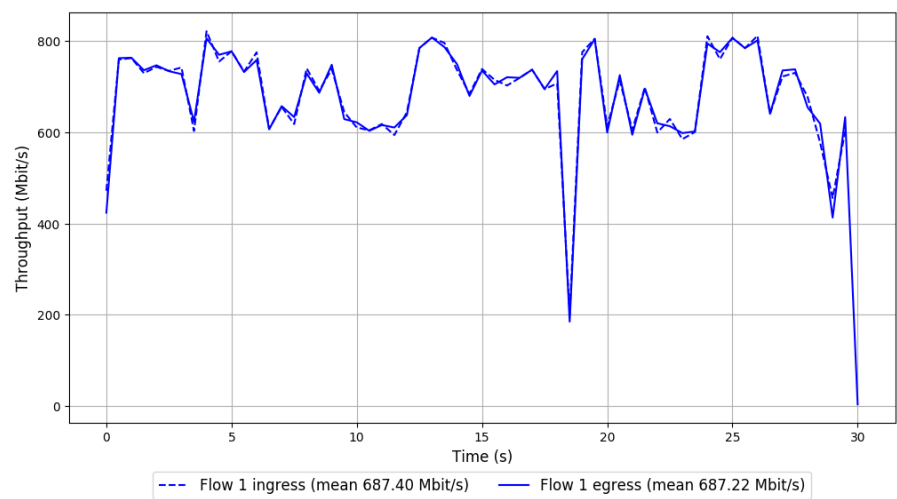
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	684.33	39.16	0.06
TCP Cubic	10	339.34	25.08	0.03
LEDBAT	10	322.68	18.97	0.00
PCC-Allegro	10	844.14	94.71	1.59
QUIC Cubic	10	80.48	18.57	0.00
SCReAM	10	0.22	18.96	0.00
WebRTC media	10	0.06	19.61	0.00
Sprout	10	24.67	22.15	0.02
TaoVA-100x	10	255.33	18.73	0.00
TCP Vegas	10	197.94	19.07	0.01
Verus	10	223.43	47.66	9.35
Copa	10	124.80	37.89	3.29
FillP	10	361.24	110.66	12.23
Indigo-1-32	10	204.29	18.59	0.00
PCC-Vivace	10	407.29	42.17	0.07
PCC-Expr	0	N/A	N/A	N/A

Run 1: Statistics of TCP BBR

Start at: 2018-04-17 05:48:48
End at: 2018-04-17 05:49:18
Local clock offset: -0.093 ms
Remote clock offset: -5.599 ms

Below is generated by plot.py at 2018-04-17 11:46:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 687.22 Mbit/s
95th percentile per-packet one-way delay: 40.428 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 687.22 Mbit/s
95th percentile per-packet one-way delay: 40.428 ms
Loss rate: 0.03%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-04-17 06:13:54

End at: 2018-04-17 06:14:24

Local clock offset: 0.037 ms

Remote clock offset: -6.044 ms

Below is generated by plot.py at 2018-04-17 11:47:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 720.17 Mbit/s

95th percentile per-packet one-way delay: 37.416 ms

Loss rate: 0.05%

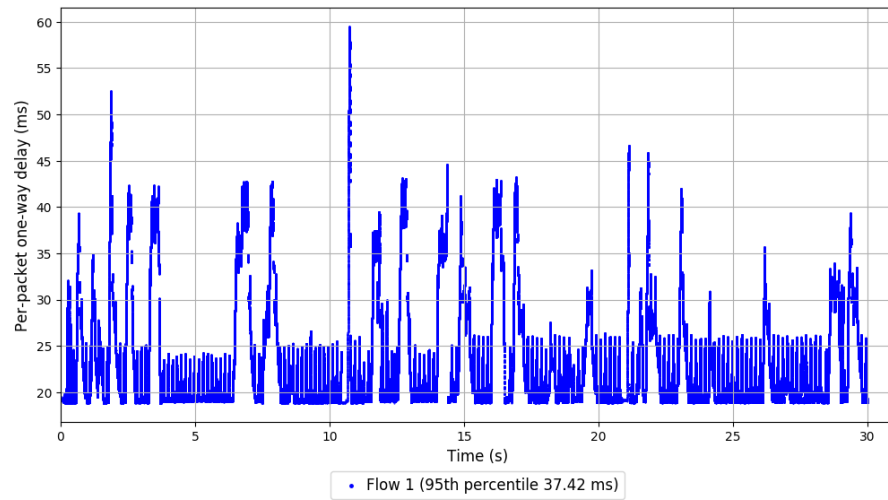
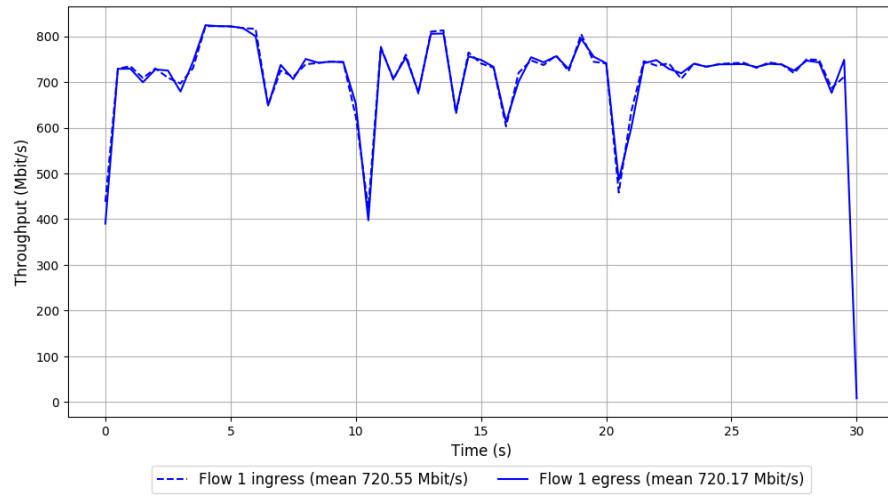
-- Flow 1:

Average throughput: 720.17 Mbit/s

95th percentile per-packet one-way delay: 37.416 ms

Loss rate: 0.05%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-04-17 06:38:52

End at: 2018-04-17 06:39:22

Local clock offset: 0.185 ms

Remote clock offset: -6.9 ms

Below is generated by plot.py at 2018-04-17 11:47:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 677.13 Mbit/s

95th percentile per-packet one-way delay: 38.305 ms

Loss rate: 0.02%

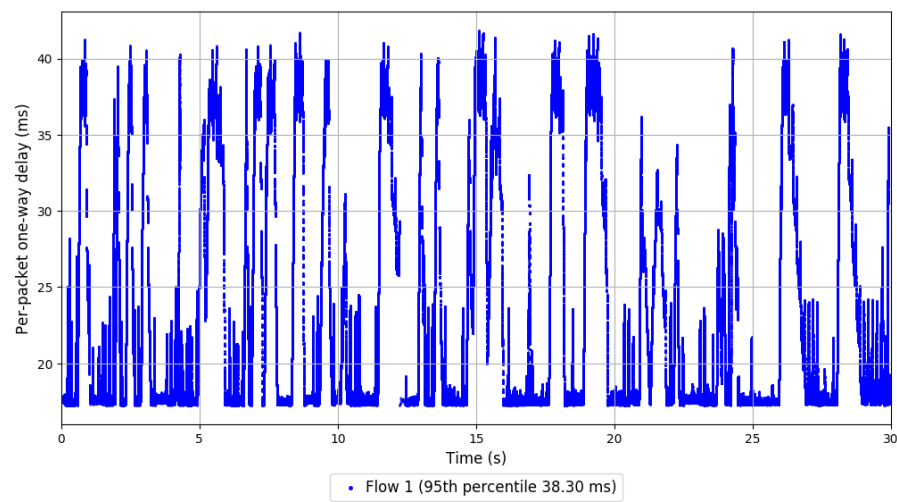
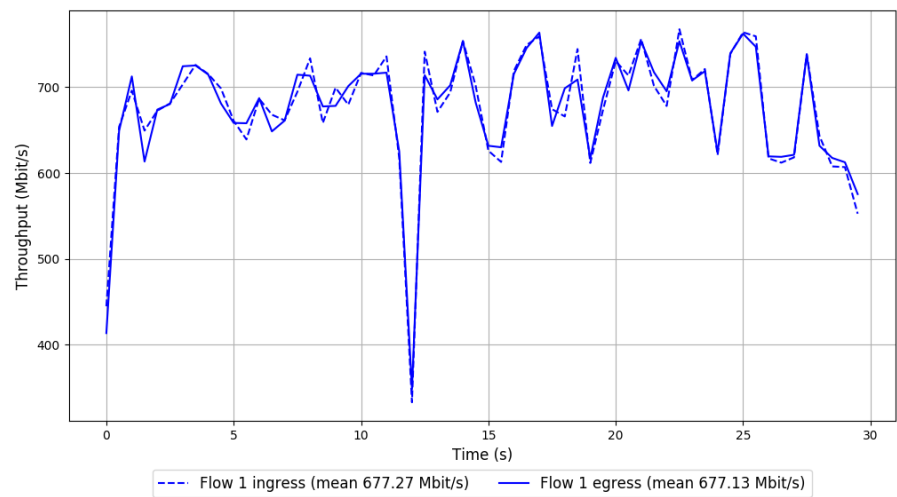
-- Flow 1:

Average throughput: 677.13 Mbit/s

95th percentile per-packet one-way delay: 38.305 ms

Loss rate: 0.02%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-04-17 07:03:59

End at: 2018-04-17 07:04:29

Local clock offset: 0.081 ms

Remote clock offset: -6.418 ms

Below is generated by plot.py at 2018-04-17 11:47:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 662.97 Mbit/s

95th percentile per-packet one-way delay: 39.368 ms

Loss rate: 0.07%

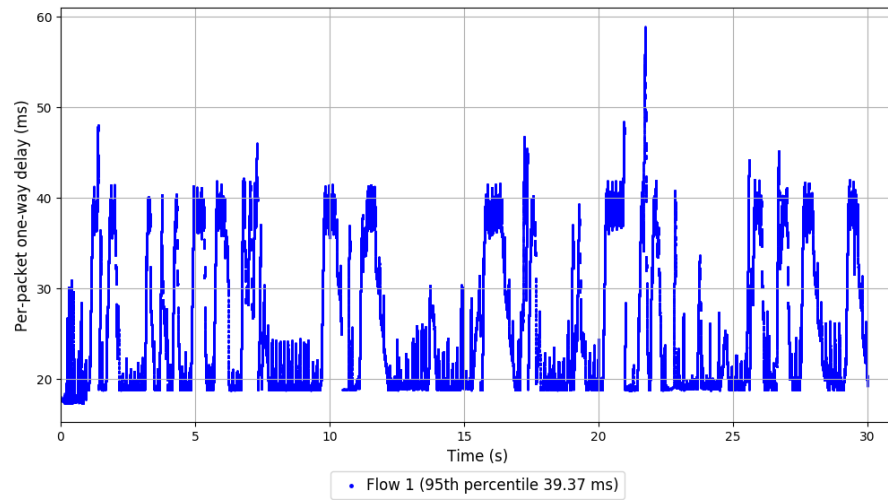
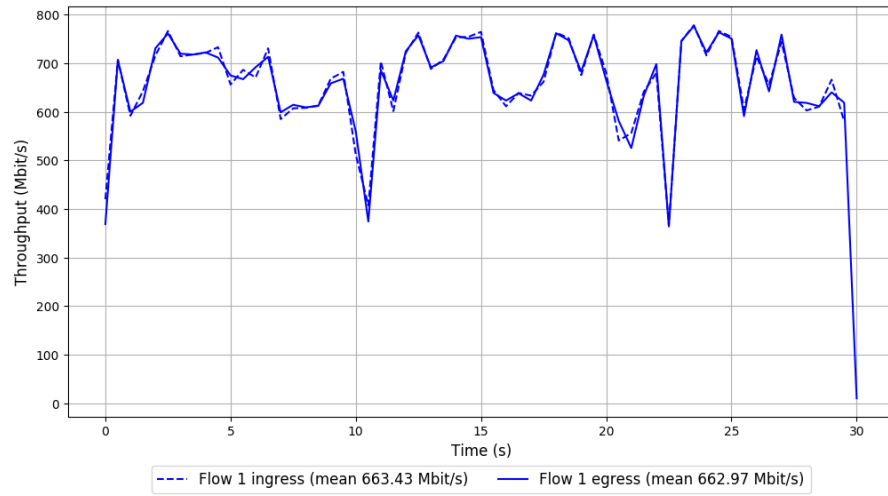
-- Flow 1:

Average throughput: 662.97 Mbit/s

95th percentile per-packet one-way delay: 39.368 ms

Loss rate: 0.07%

Run 4: Report of TCP BBR — Data Link

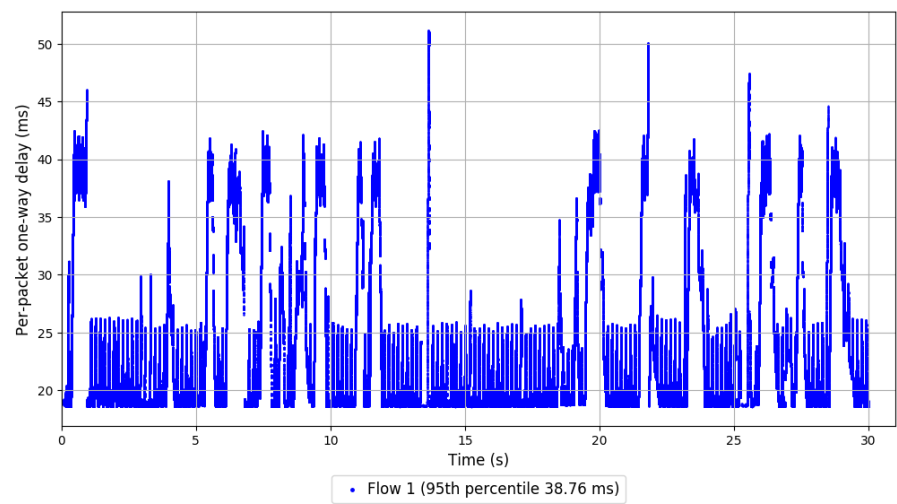
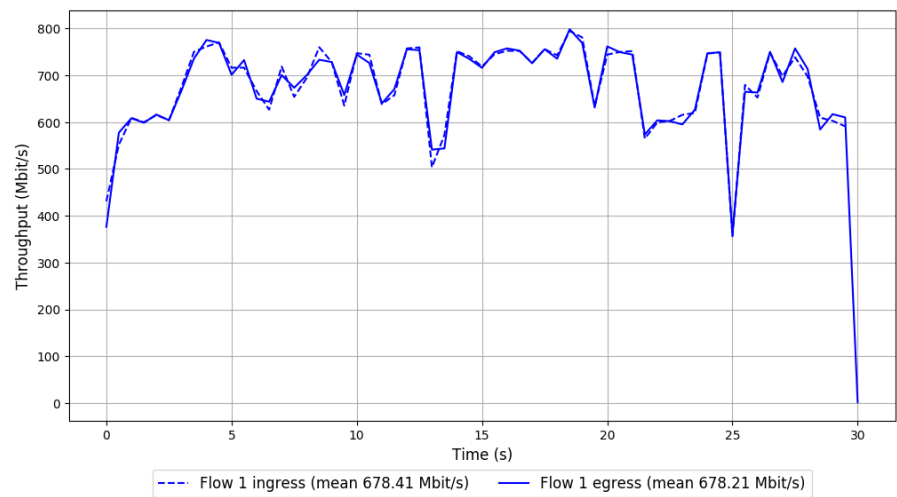


Run 5: Statistics of TCP BBR

Start at: 2018-04-17 07:28:47
End at: 2018-04-17 07:29:17
Local clock offset: -0.128 ms
Remote clock offset: -6.075 ms

Below is generated by plot.py at 2018-04-17 11:47:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 678.21 Mbit/s
95th percentile per-packet one-way delay: 38.759 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 678.21 Mbit/s
95th percentile per-packet one-way delay: 38.759 ms
Loss rate: 0.03%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-04-17 07:53:43

End at: 2018-04-17 07:54:13

Local clock offset: 0.047 ms

Remote clock offset: -6.023 ms

Below is generated by plot.py at 2018-04-17 11:47:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 686.37 Mbit/s

95th percentile per-packet one-way delay: 40.029 ms

Loss rate: 0.05%

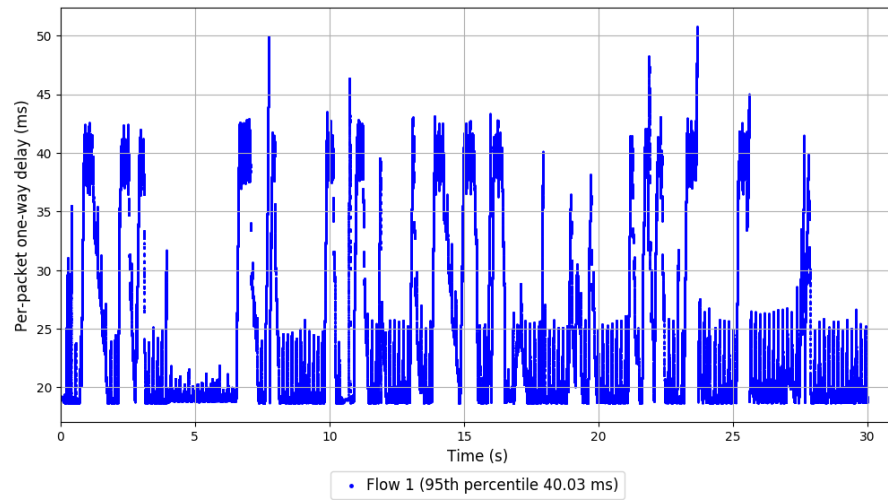
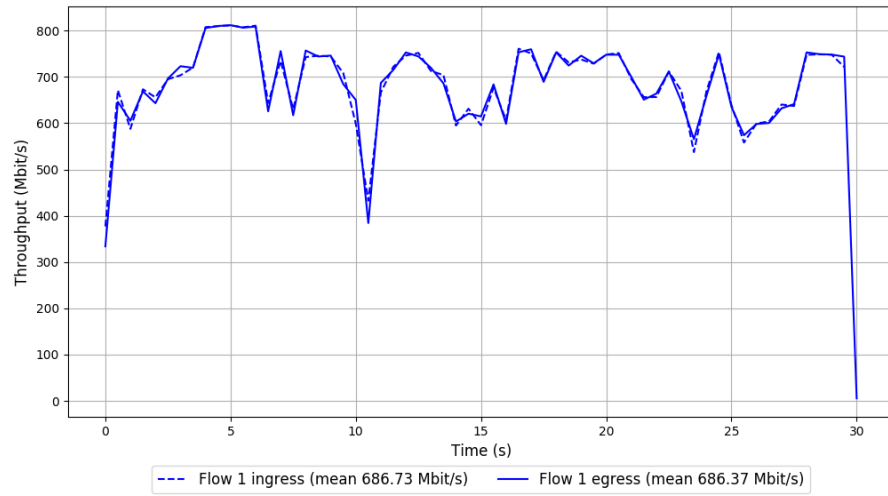
-- Flow 1:

Average throughput: 686.37 Mbit/s

95th percentile per-packet one-way delay: 40.029 ms

Loss rate: 0.05%

Run 6: Report of TCP BBR — Data Link

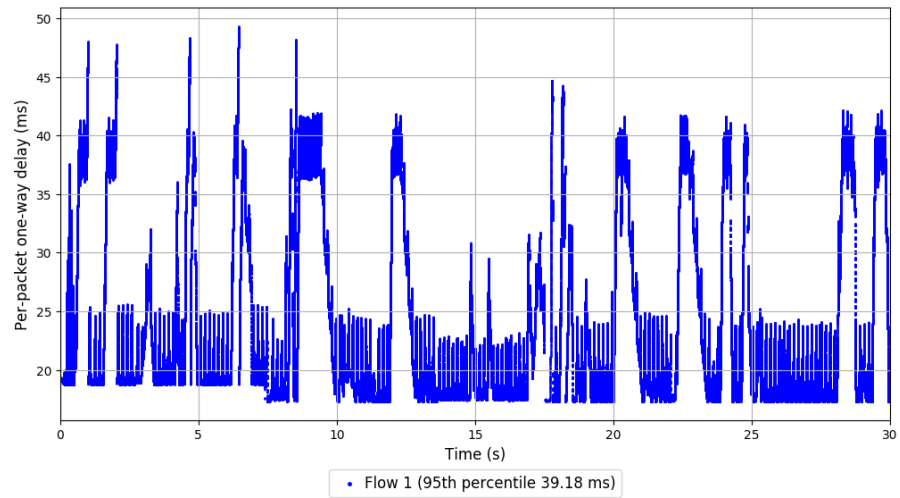
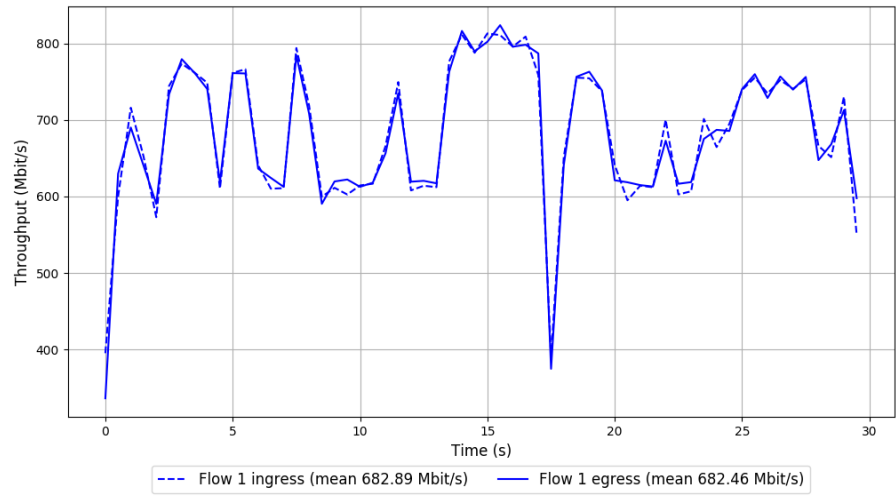


Run 7: Statistics of TCP BBR

Start at: 2018-04-17 08:19:06
End at: 2018-04-17 08:19:36
Local clock offset: -0.114 ms
Remote clock offset: -6.195 ms

Below is generated by plot.py at 2018-04-17 11:47:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 682.46 Mbit/s
95th percentile per-packet one-way delay: 39.183 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 682.46 Mbit/s
95th percentile per-packet one-way delay: 39.183 ms
Loss rate: 0.07%

Run 7: Report of TCP BBR — Data Link

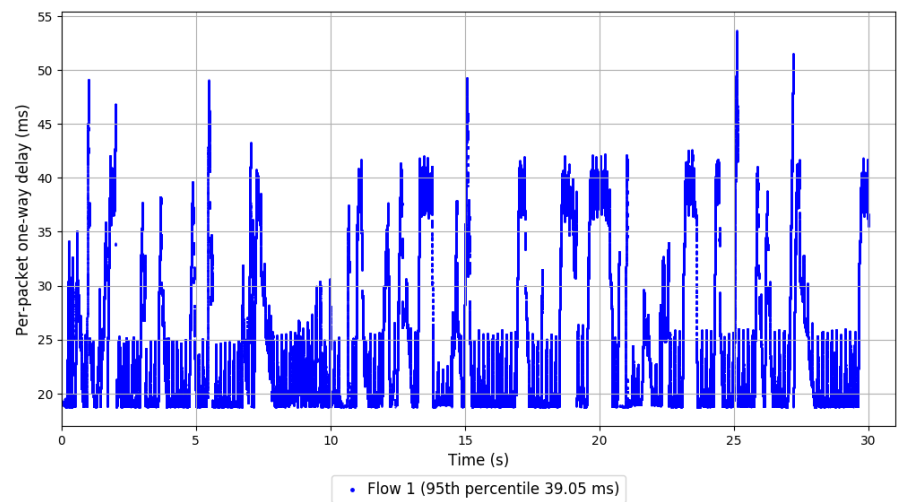
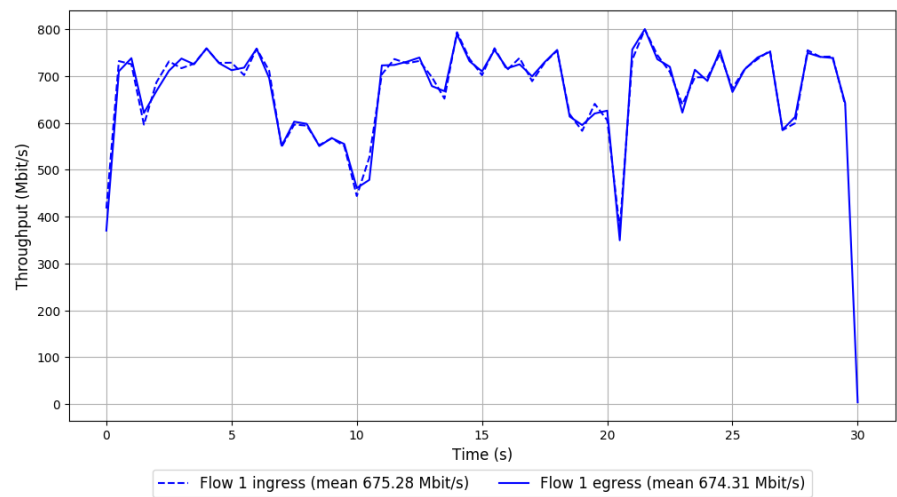


Run 8: Statistics of TCP BBR

Start at: 2018-04-17 08:43:59
End at: 2018-04-17 08:44:29
Local clock offset: -0.197 ms
Remote clock offset: -5.202 ms

Below is generated by plot.py at 2018-04-17 11:47:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 674.31 Mbit/s
95th percentile per-packet one-way delay: 39.047 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 674.31 Mbit/s
95th percentile per-packet one-way delay: 39.047 ms
Loss rate: 0.14%

Run 8: Report of TCP BBR — Data Link

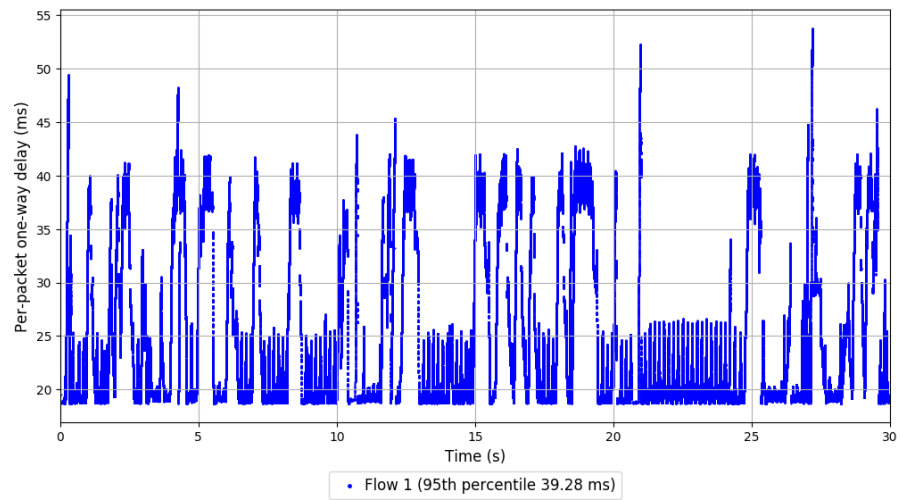
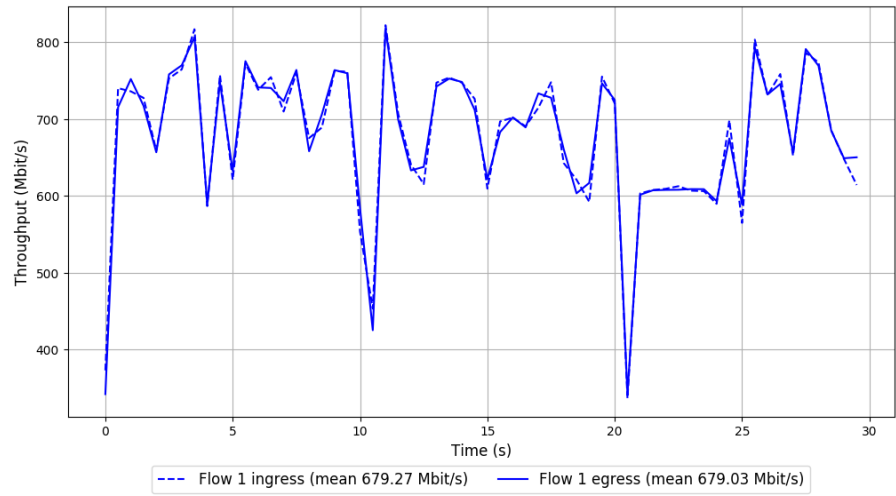


Run 9: Statistics of TCP BBR

Start at: 2018-04-17 09:08:44
End at: 2018-04-17 09:09:14
Local clock offset: -0.067 ms
Remote clock offset: -5.095 ms

Below is generated by plot.py at 2018-04-17 11:56:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 679.03 Mbit/s
95th percentile per-packet one-way delay: 39.282 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 679.03 Mbit/s
95th percentile per-packet one-way delay: 39.282 ms
Loss rate: 0.03%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-04-17 09:33:32

End at: 2018-04-17 09:34:02

Local clock offset: 0.057 ms

Remote clock offset: -5.067 ms

Below is generated by plot.py at 2018-04-17 11:56:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 695.41 Mbit/s

95th percentile per-packet one-way delay: 39.788 ms

Loss rate: 0.09%

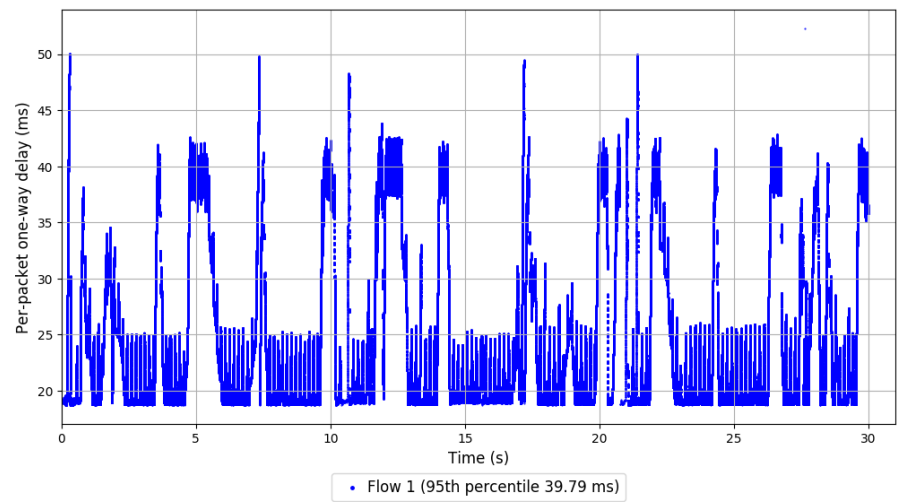
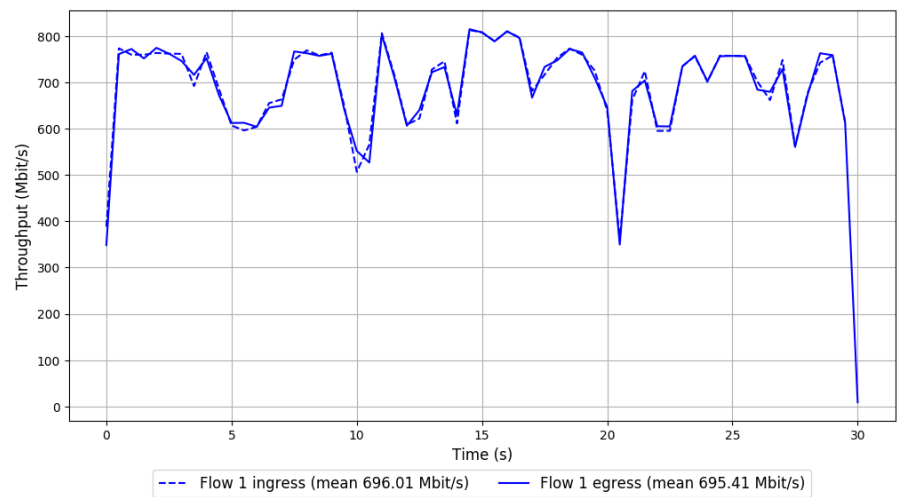
-- Flow 1:

Average throughput: 695.41 Mbit/s

95th percentile per-packet one-way delay: 39.788 ms

Loss rate: 0.09%

Run 10: Report of TCP BBR — Data Link

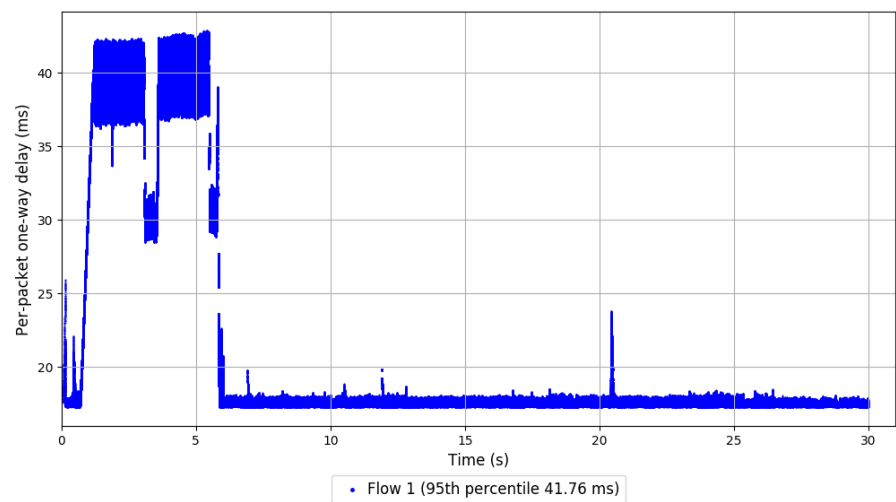
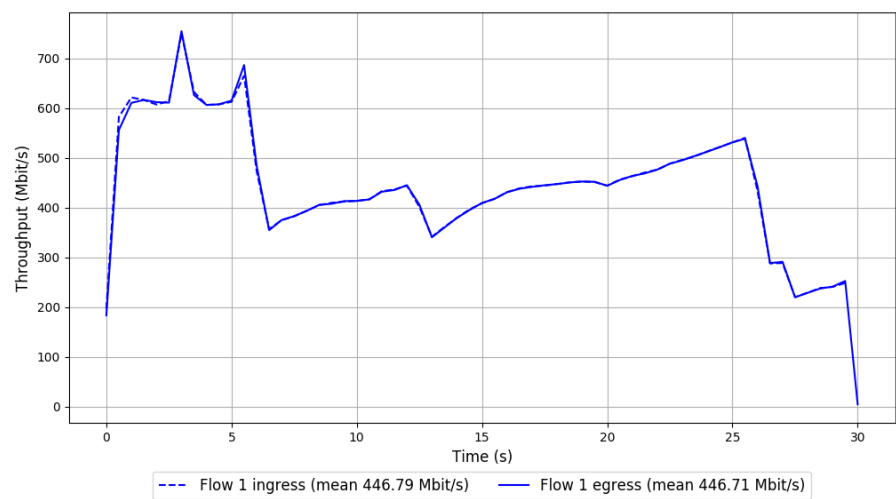


Run 1: Statistics of TCP Cubic

Start at: 2018-04-17 06:00:36
End at: 2018-04-17 06:01:06
Local clock offset: -0.149 ms
Remote clock offset: -5.499 ms

Below is generated by plot.py at 2018-04-17 11:56:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 446.71 Mbit/s
95th percentile per-packet one-way delay: 41.755 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 446.71 Mbit/s
95th percentile per-packet one-way delay: 41.755 ms
Loss rate: 0.02%

Run 1: Report of TCP Cubic — Data Link

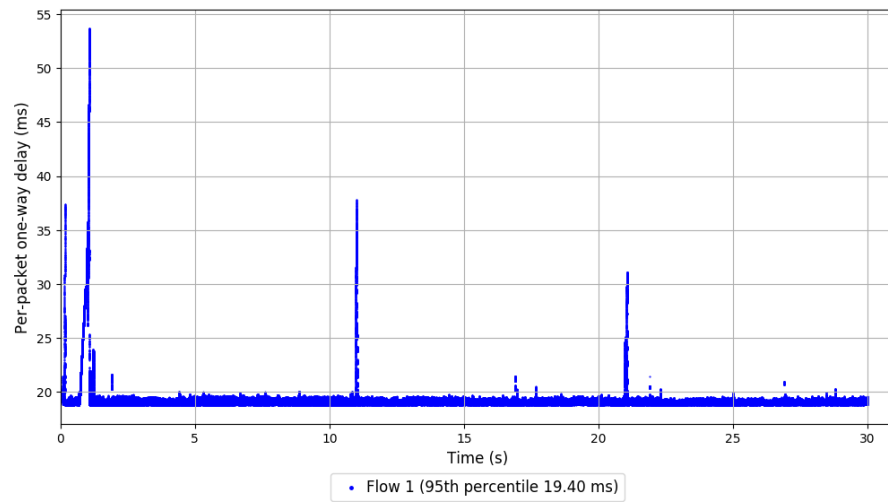
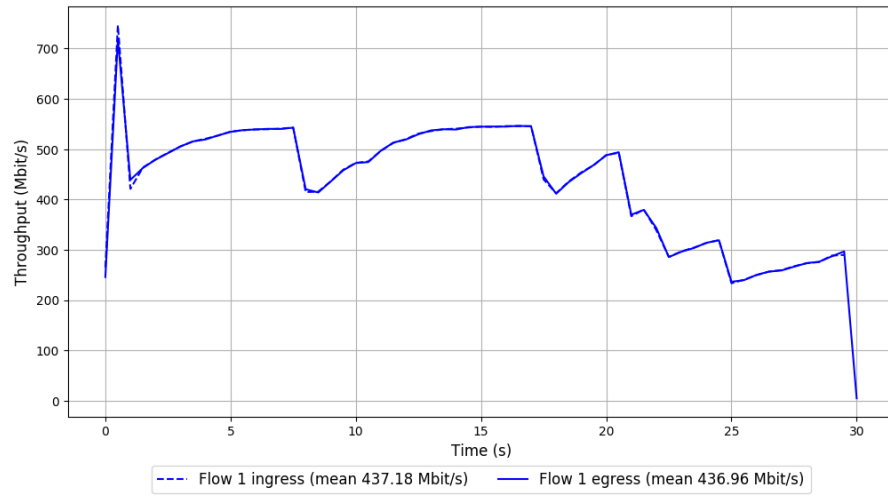


Run 2: Statistics of TCP Cubic

Start at: 2018-04-17 06:25:35
End at: 2018-04-17 06:26:05
Local clock offset: 0.146 ms
Remote clock offset: -6.561 ms

Below is generated by plot.py at 2018-04-17 11:56:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 436.96 Mbit/s
95th percentile per-packet one-way delay: 19.401 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 436.96 Mbit/s
95th percentile per-packet one-way delay: 19.401 ms
Loss rate: 0.05%

Run 2: Report of TCP Cubic — Data Link

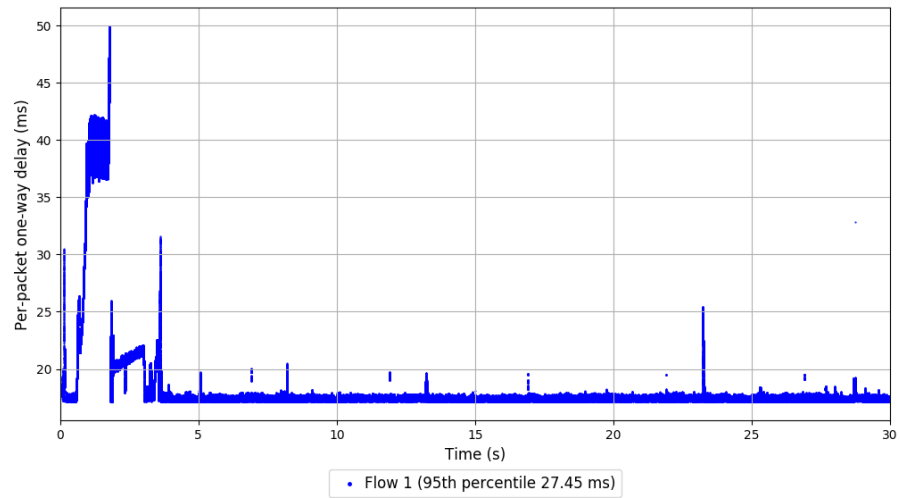
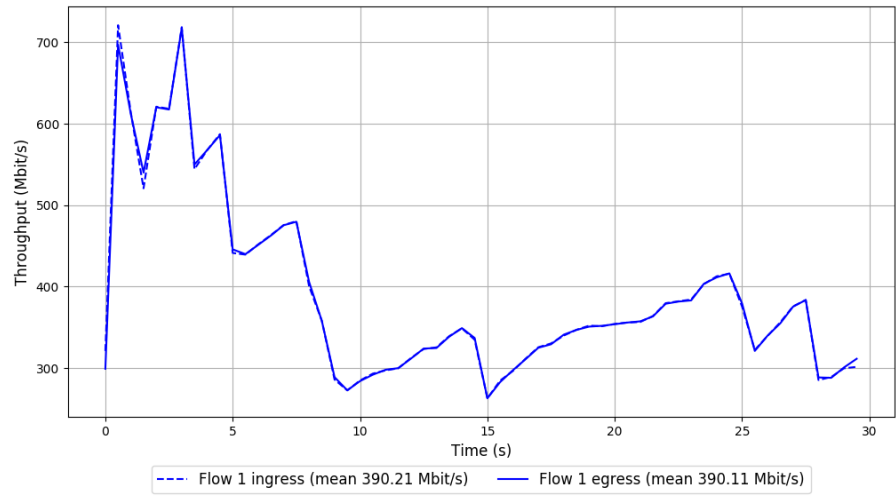


Run 3: Statistics of TCP Cubic

Start at: 2018-04-17 06:50:42
End at: 2018-04-17 06:51:13
Local clock offset: 0.165 ms
Remote clock offset: -6.605 ms

Below is generated by plot.py at 2018-04-17 11:56:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 390.11 Mbit/s
95th percentile per-packet one-way delay: 27.455 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 390.11 Mbit/s
95th percentile per-packet one-way delay: 27.455 ms
Loss rate: 0.03%

Run 3: Report of TCP Cubic — Data Link

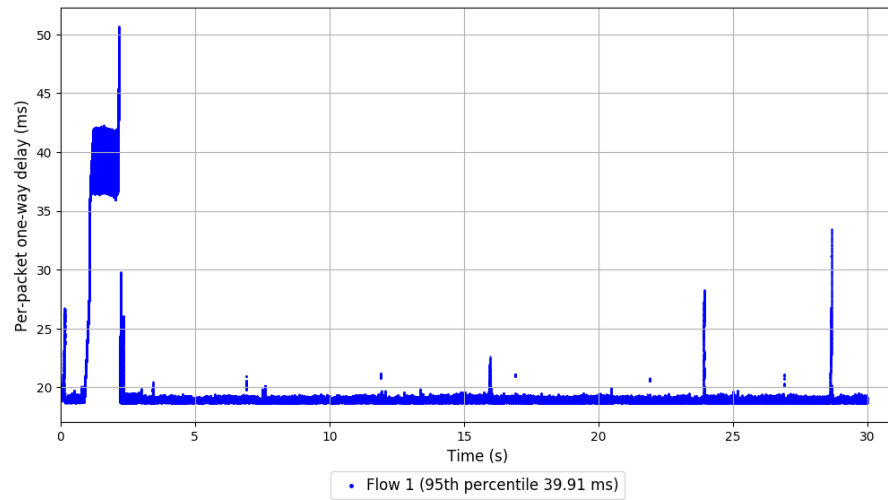
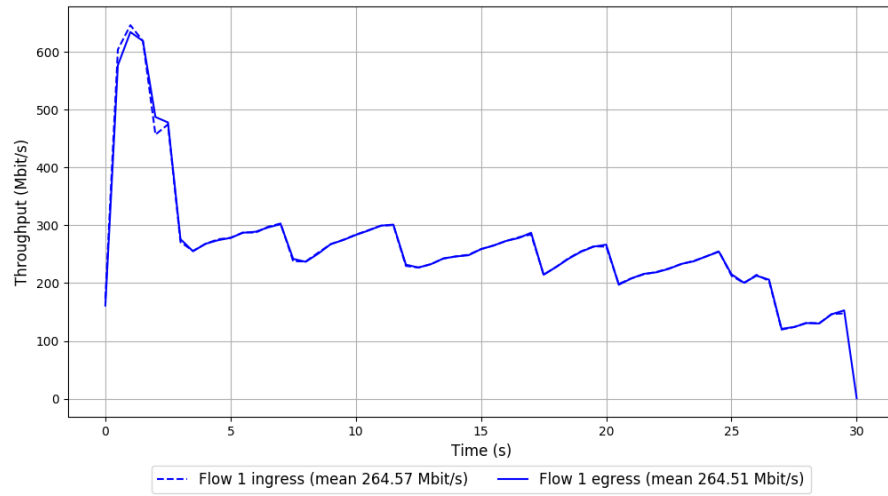


Run 4: Statistics of TCP Cubic

Start at: 2018-04-17 07:15:32
End at: 2018-04-17 07:16:02
Local clock offset: -0.088 ms
Remote clock offset: -6.523 ms

Below is generated by plot.py at 2018-04-17 11:56:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 264.51 Mbit/s
95th percentile per-packet one-way delay: 39.913 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 264.51 Mbit/s
95th percentile per-packet one-way delay: 39.913 ms
Loss rate: 0.02%

Run 4: Report of TCP Cubic — Data Link

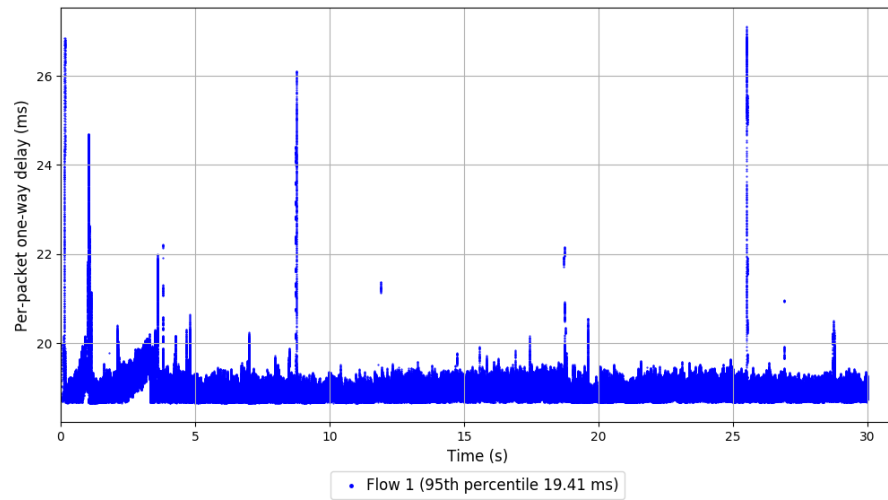
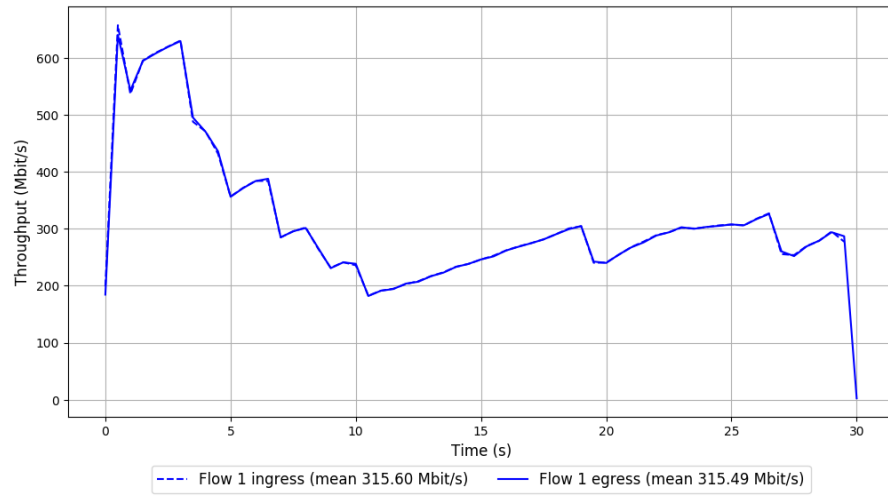


Run 5: Statistics of TCP Cubic

Start at: 2018-04-17 07:40:26
End at: 2018-04-17 07:40:56
Local clock offset: -0.198 ms
Remote clock offset: -5.965 ms

Below is generated by plot.py at 2018-04-17 11:56:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 315.49 Mbit/s
95th percentile per-packet one-way delay: 19.410 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 315.49 Mbit/s
95th percentile per-packet one-way delay: 19.410 ms
Loss rate: 0.03%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-04-17 08:05:43

End at: 2018-04-17 08:06:14

Local clock offset: 0.104 ms

Remote clock offset: -6.2 ms

Below is generated by plot.py at 2018-04-17 11:56:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 356.44 Mbit/s

95th percentile per-packet one-way delay: 19.466 ms

Loss rate: 0.03%

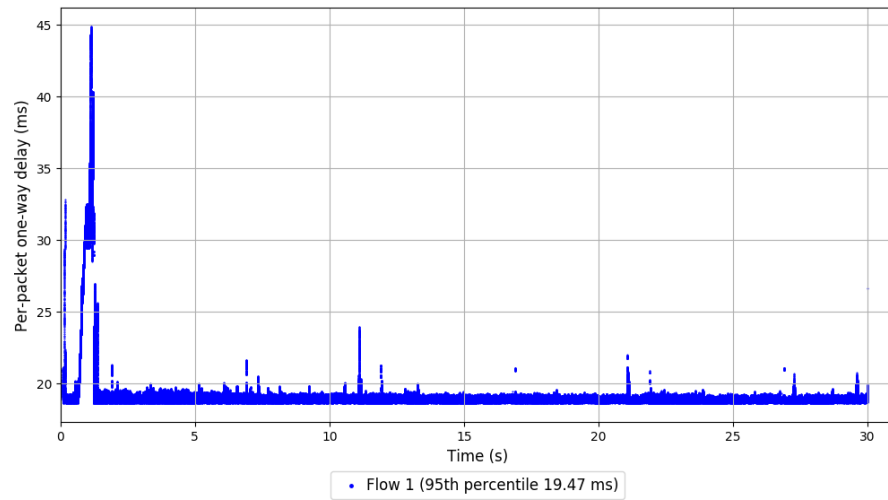
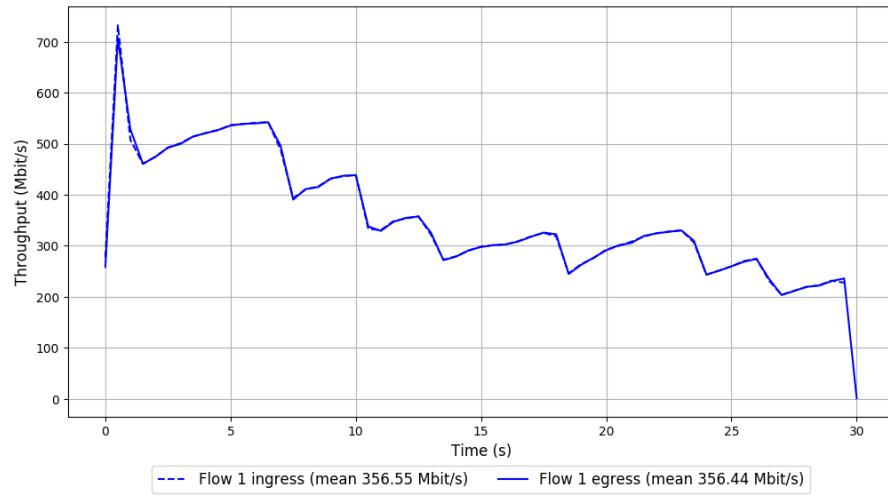
-- Flow 1:

Average throughput: 356.44 Mbit/s

95th percentile per-packet one-way delay: 19.466 ms

Loss rate: 0.03%

Run 6: Report of TCP Cubic — Data Link

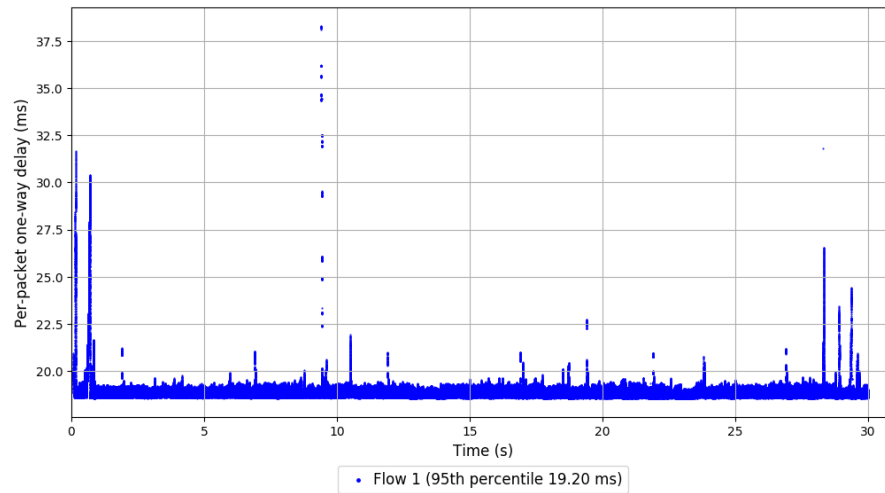
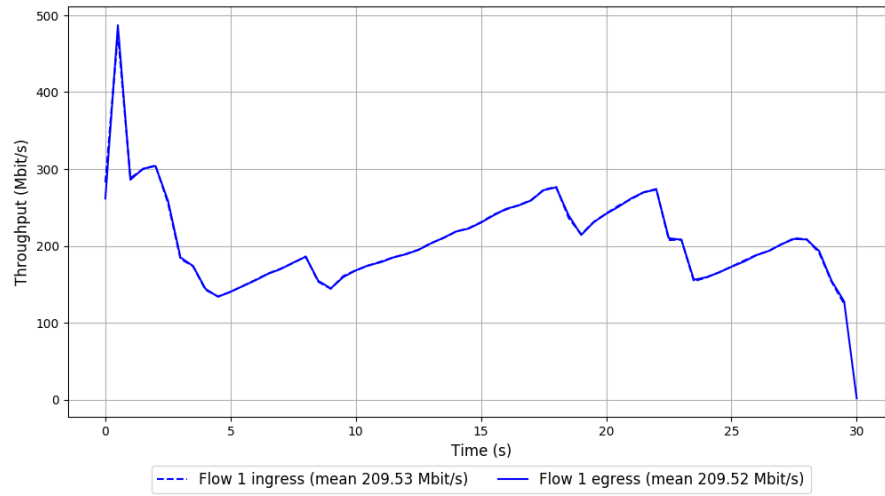


Run 7: Statistics of TCP Cubic

Start at: 2018-04-17 08:30:45
End at: 2018-04-17 08:31:15
Local clock offset: -0.048 ms
Remote clock offset: -5.698 ms

Below is generated by plot.py at 2018-04-17 11:56:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 209.52 Mbit/s
95th percentile per-packet one-way delay: 19.205 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 209.52 Mbit/s
95th percentile per-packet one-way delay: 19.205 ms
Loss rate: 0.01%

Run 7: Report of TCP Cubic — Data Link

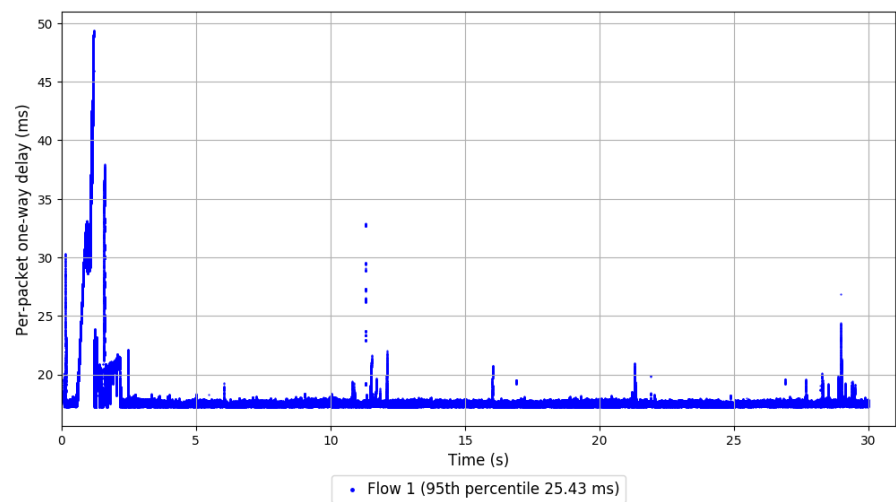
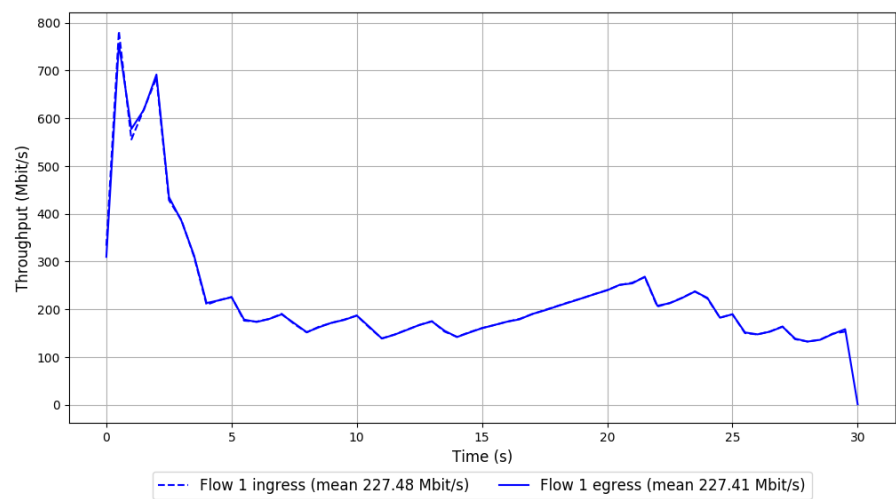


Run 8: Statistics of TCP Cubic

Start at: 2018-04-17 08:55:33
End at: 2018-04-17 08:56:03
Local clock offset: -0.098 ms
Remote clock offset: -5.002 ms

Below is generated by plot.py at 2018-04-17 11:56:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 227.41 Mbit/s
95th percentile per-packet one-way delay: 25.426 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 227.41 Mbit/s
95th percentile per-packet one-way delay: 25.426 ms
Loss rate: 0.03%

Run 8: Report of TCP Cubic — Data Link

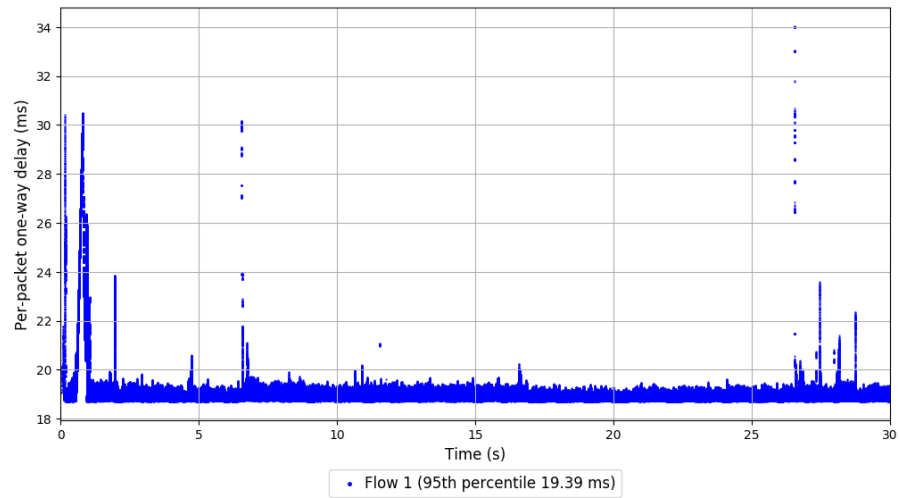
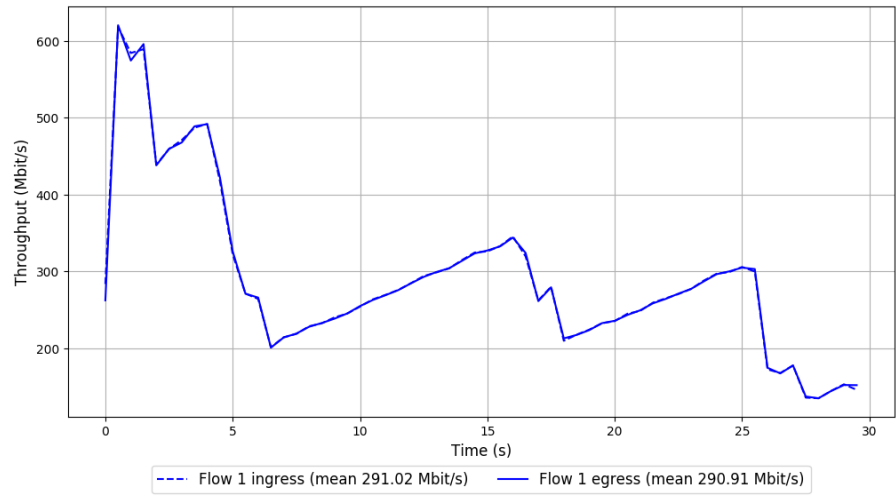


Run 9: Statistics of TCP Cubic

Start at: 2018-04-17 09:20:17
End at: 2018-04-17 09:20:47
Local clock offset: -0.116 ms
Remote clock offset: -5.111 ms

Below is generated by plot.py at 2018-04-17 11:56:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 290.91 Mbit/s
95th percentile per-packet one-way delay: 19.389 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 290.91 Mbit/s
95th percentile per-packet one-way delay: 19.389 ms
Loss rate: 0.04%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-04-17 09:45:36

End at: 2018-04-17 09:46:06

Local clock offset: 0.083 ms

Remote clock offset: -5.354 ms

Below is generated by plot.py at 2018-04-17 11:59:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 455.32 Mbit/s

95th percentile per-packet one-way delay: 19.414 ms

Loss rate: 0.02%

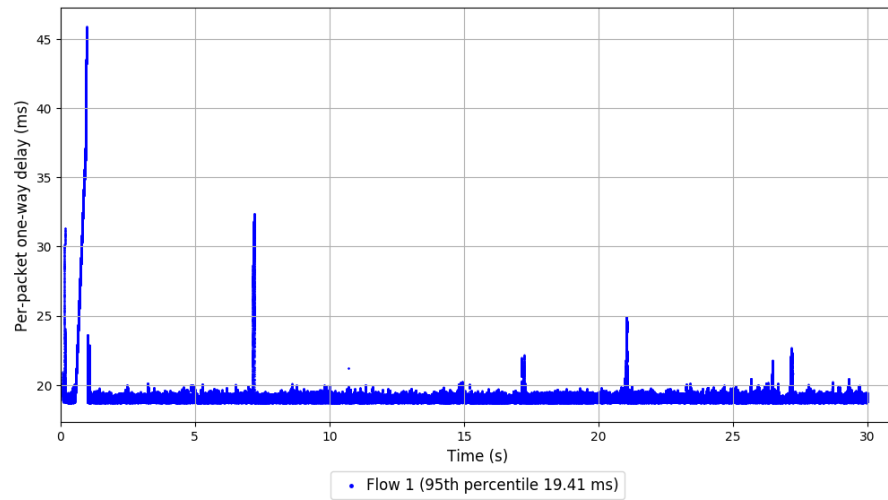
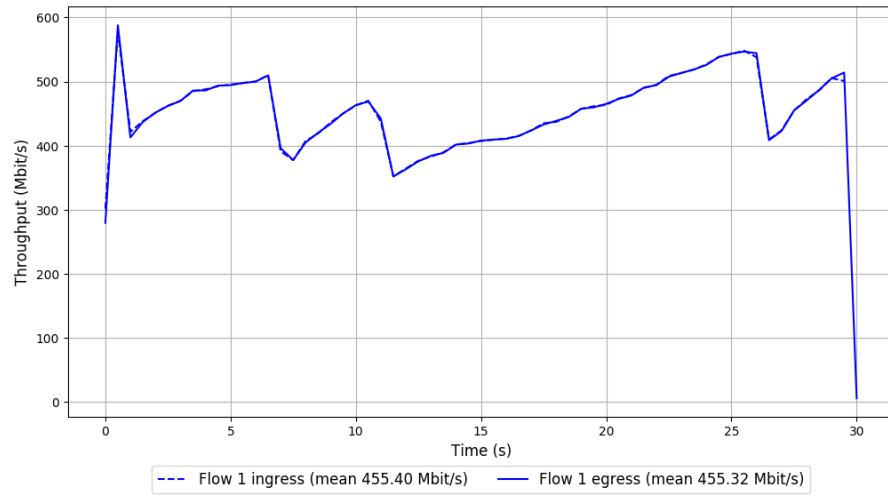
-- Flow 1:

Average throughput: 455.32 Mbit/s

95th percentile per-packet one-way delay: 19.414 ms

Loss rate: 0.02%

Run 10: Report of TCP Cubic — Data Link

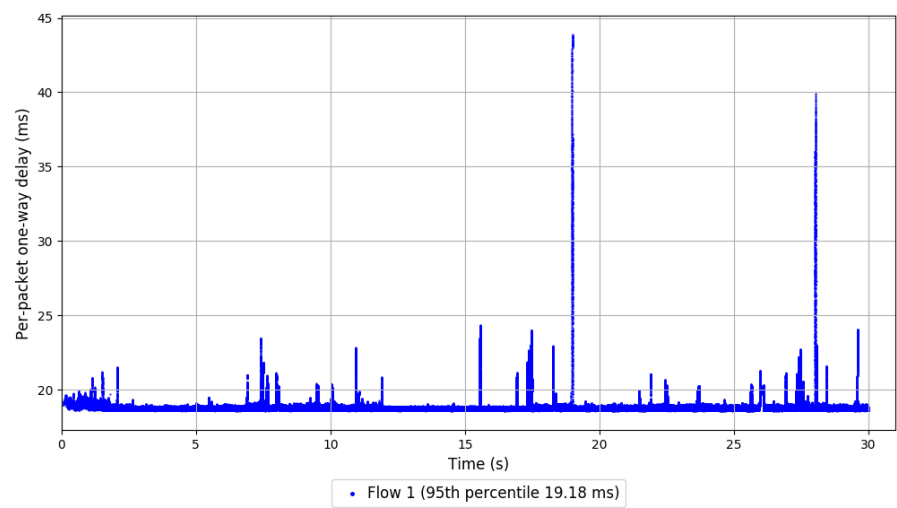
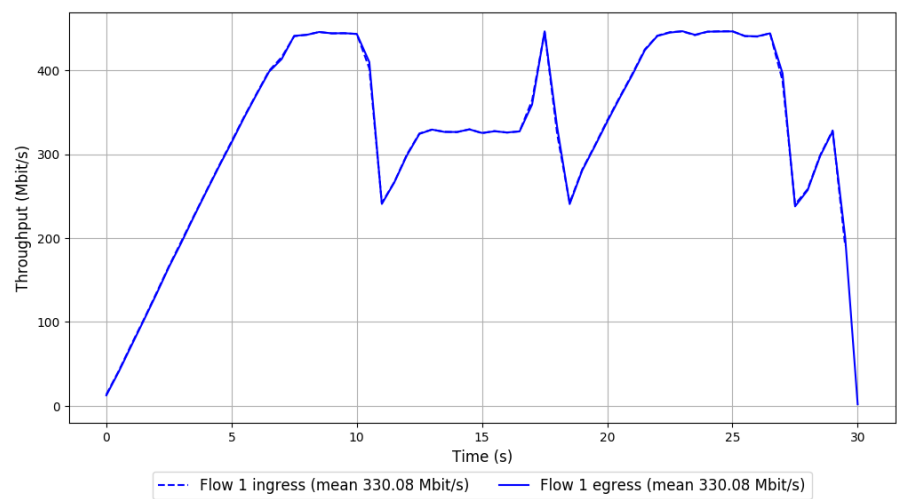


Run 1: Statistics of LEDBAT

Start at: 2018-04-17 05:51:59
End at: 2018-04-17 05:52:29
Local clock offset: -0.096 ms
Remote clock offset: -5.553 ms

Below is generated by plot.py at 2018-04-17 11:59:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 330.08 Mbit/s
95th percentile per-packet one-way delay: 19.182 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 330.08 Mbit/s
95th percentile per-packet one-way delay: 19.182 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link

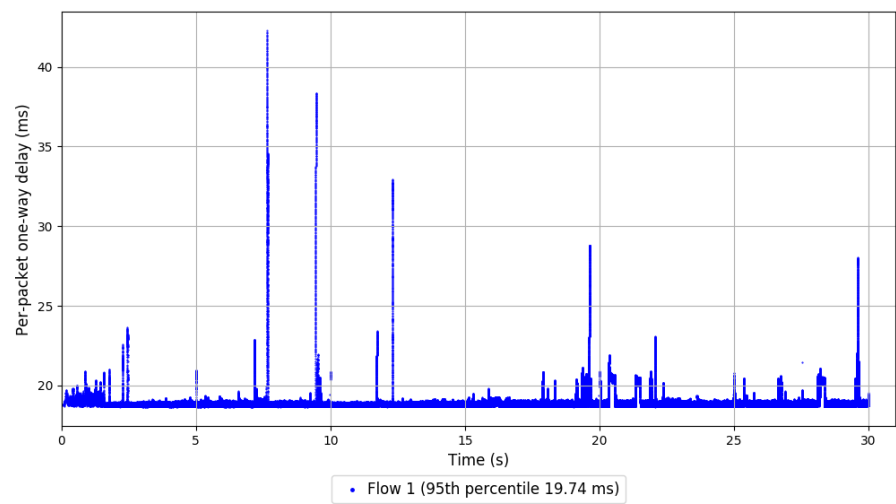
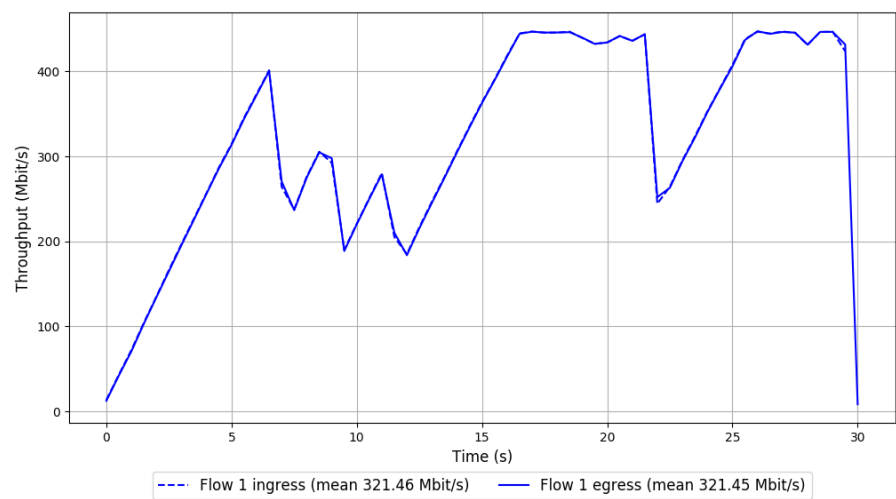


Run 2: Statistics of LEDBAT

Start at: 2018-04-17 06:17:07
End at: 2018-04-17 06:17:37
Local clock offset: 0.122 ms
Remote clock offset: -6.326 ms

Below is generated by plot.py at 2018-04-17 11:59:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 321.45 Mbit/s
95th percentile per-packet one-way delay: 19.739 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 321.45 Mbit/s
95th percentile per-packet one-way delay: 19.739 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

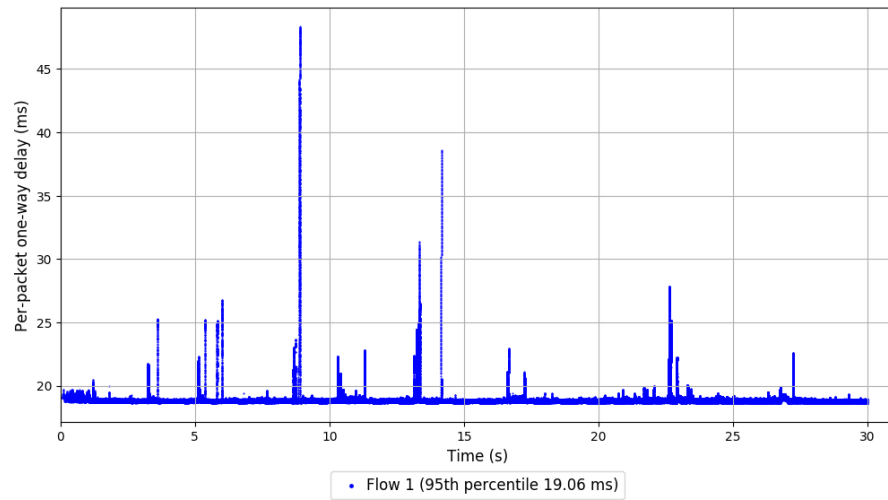
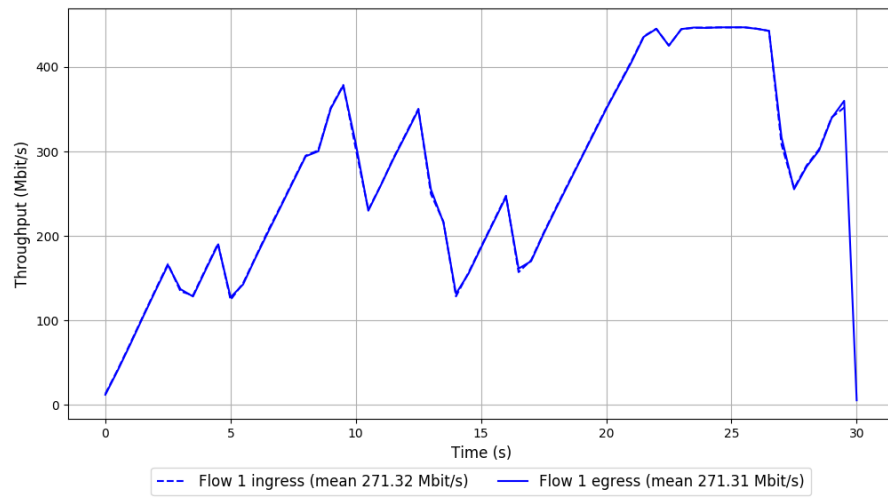


Run 3: Statistics of LEDBAT

Start at: 2018-04-17 06:42:03
End at: 2018-04-17 06:42:33
Local clock offset: 0.086 ms
Remote clock offset: -6.884 ms

Below is generated by plot.py at 2018-04-17 11:59:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 271.31 Mbit/s
95th percentile per-packet one-way delay: 19.062 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 271.31 Mbit/s
95th percentile per-packet one-way delay: 19.062 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

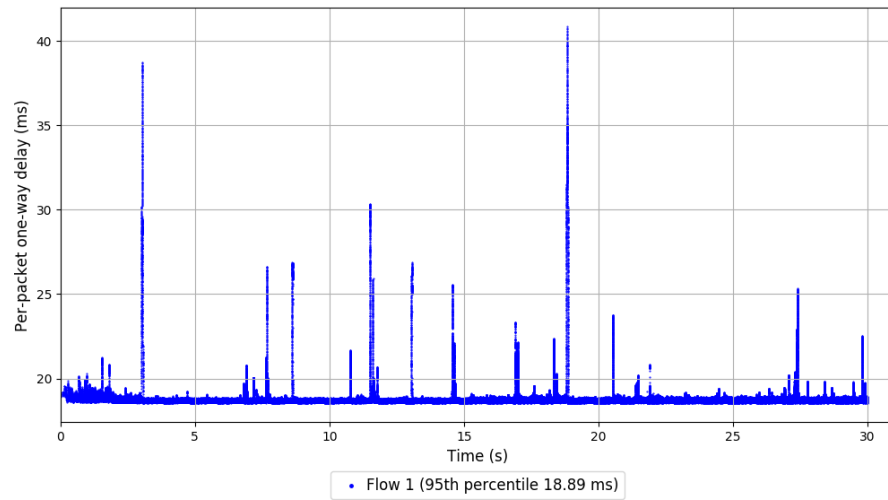
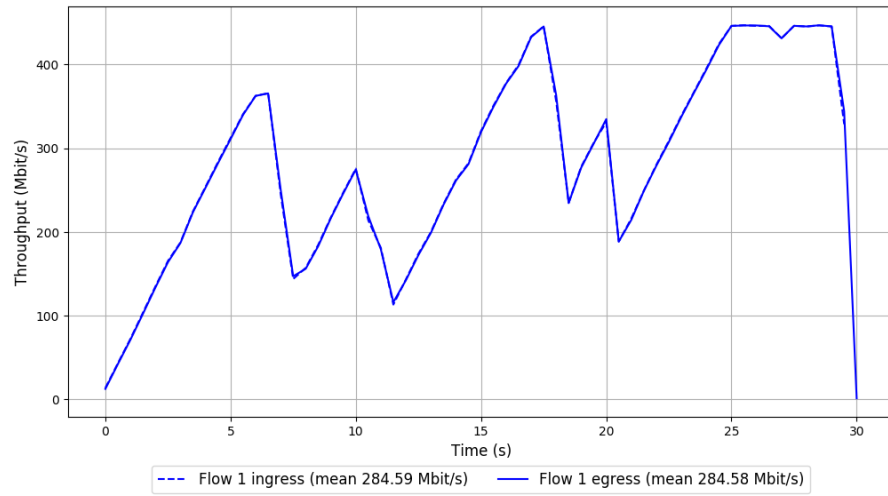


Run 4: Statistics of LEDBAT

Start at: 2018-04-17 07:07:08
End at: 2018-04-17 07:07:38
Local clock offset: 0.142 ms
Remote clock offset: -6.529 ms

Below is generated by plot.py at 2018-04-17 11:59:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 284.58 Mbit/s
95th percentile per-packet one-way delay: 18.889 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 284.58 Mbit/s
95th percentile per-packet one-way delay: 18.889 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

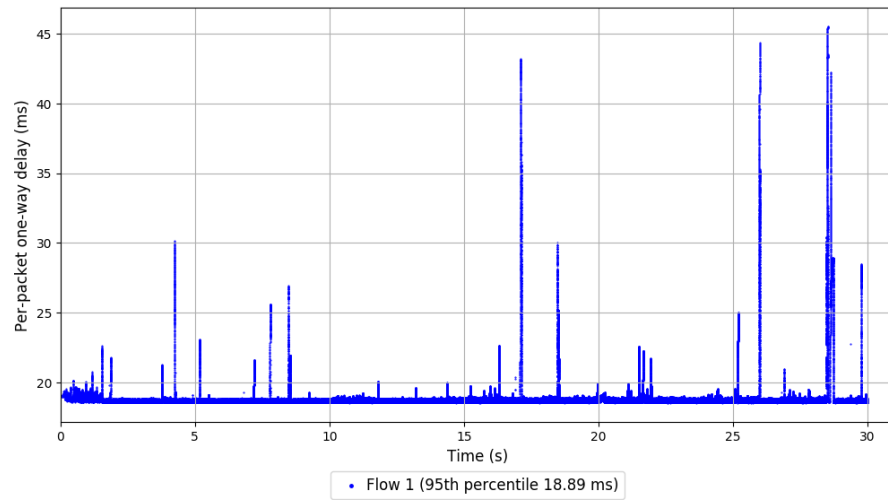
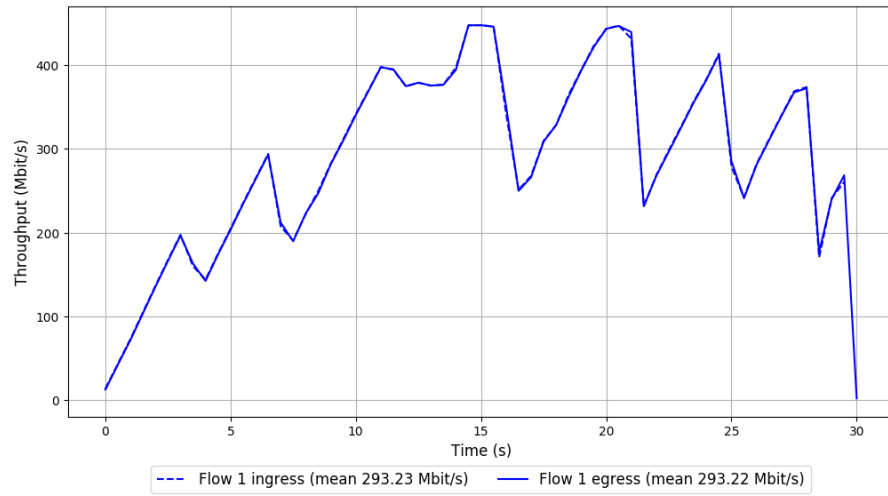


Run 5: Statistics of LEDBAT

Start at: 2018-04-17 07:31:57
End at: 2018-04-17 07:32:27
Local clock offset: -0.143 ms
Remote clock offset: -6.053 ms

Below is generated by plot.py at 2018-04-17 12:00:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 293.22 Mbit/s
95th percentile per-packet one-way delay: 18.885 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 293.22 Mbit/s
95th percentile per-packet one-way delay: 18.885 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

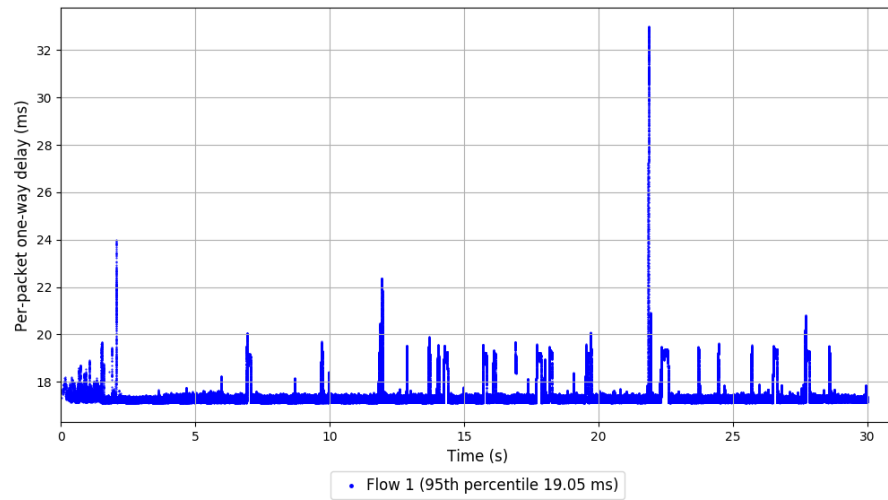
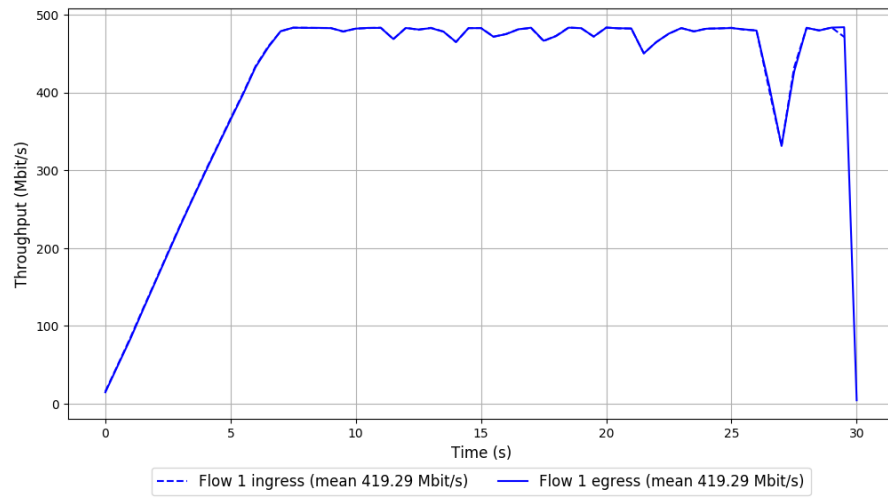


Run 6: Statistics of LEDBAT

Start at: 2018-04-17 07:56:53
End at: 2018-04-17 07:57:23
Local clock offset: 0.095 ms
Remote clock offset: -6.144 ms

Below is generated by plot.py at 2018-04-17 12:03:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 419.29 Mbit/s
95th percentile per-packet one-way delay: 19.047 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 419.29 Mbit/s
95th percentile per-packet one-way delay: 19.047 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

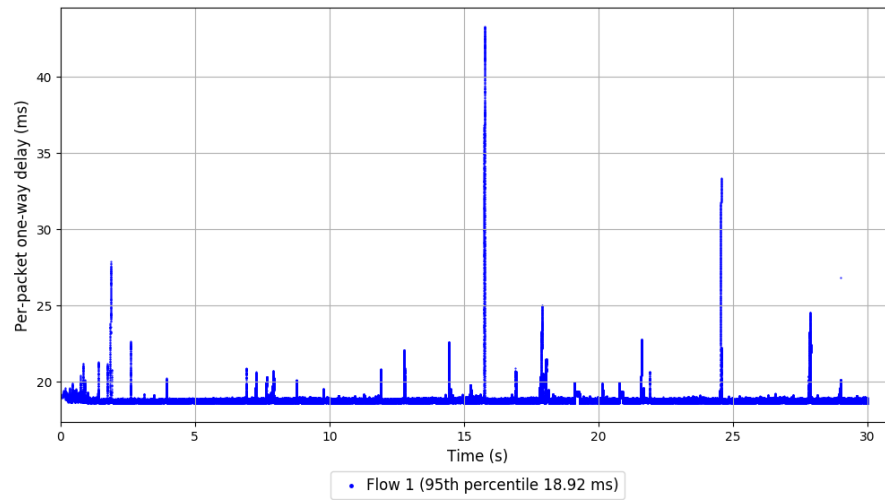
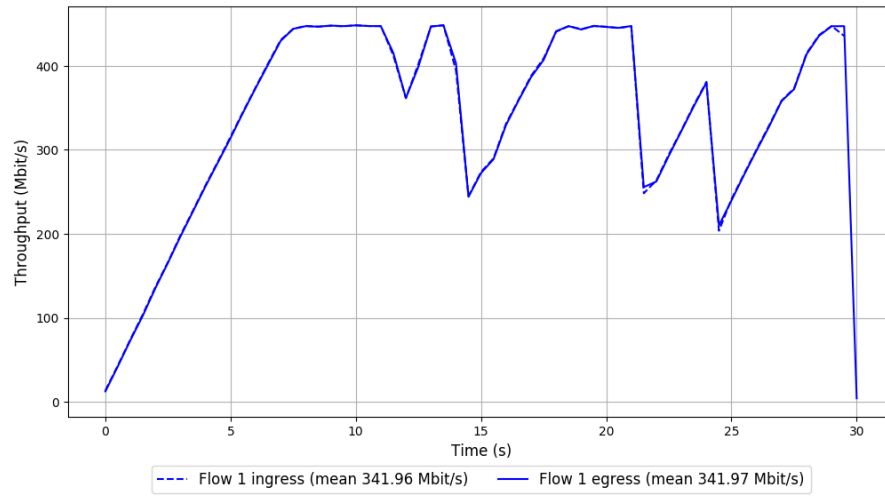


Run 7: Statistics of LEDBAT

Start at: 2018-04-17 08:22:17
End at: 2018-04-17 08:22:47
Local clock offset: -0.043 ms
Remote clock offset: -6.263 ms

Below is generated by plot.py at 2018-04-17 12:03:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 341.97 Mbit/s
95th percentile per-packet one-way delay: 18.919 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 341.97 Mbit/s
95th percentile per-packet one-way delay: 18.919 ms
Loss rate: 0.01%

Run 7: Report of LEDBAT — Data Link

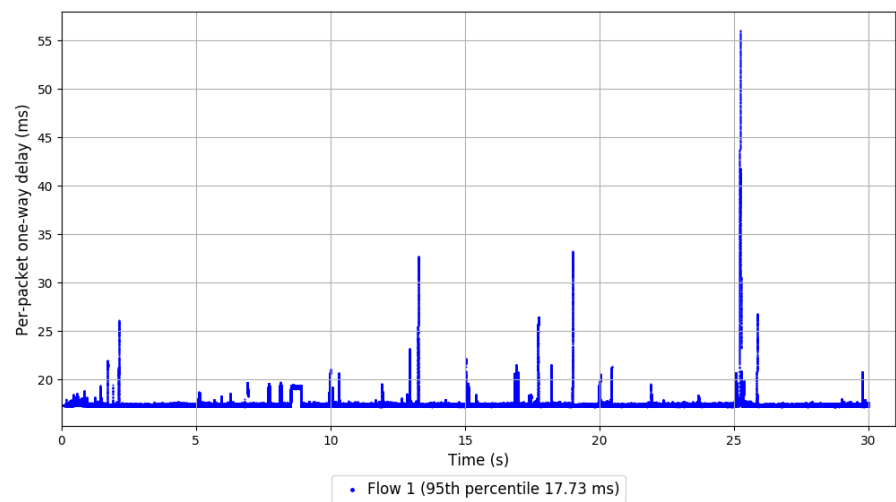
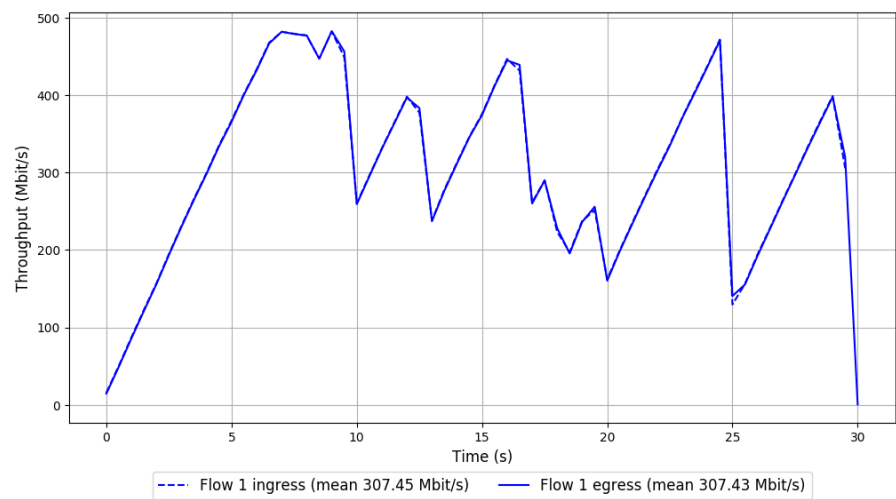


Run 8: Statistics of LEDBAT

Start at: 2018-04-17 08:47:09
End at: 2018-04-17 08:47:39
Local clock offset: -0.224 ms
Remote clock offset: -5.216 ms

Below is generated by plot.py at 2018-04-17 12:03:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 307.43 Mbit/s
95th percentile per-packet one-way delay: 17.728 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 307.43 Mbit/s
95th percentile per-packet one-way delay: 17.728 ms
Loss rate: 0.01%

Run 8: Report of LEDBAT — Data Link

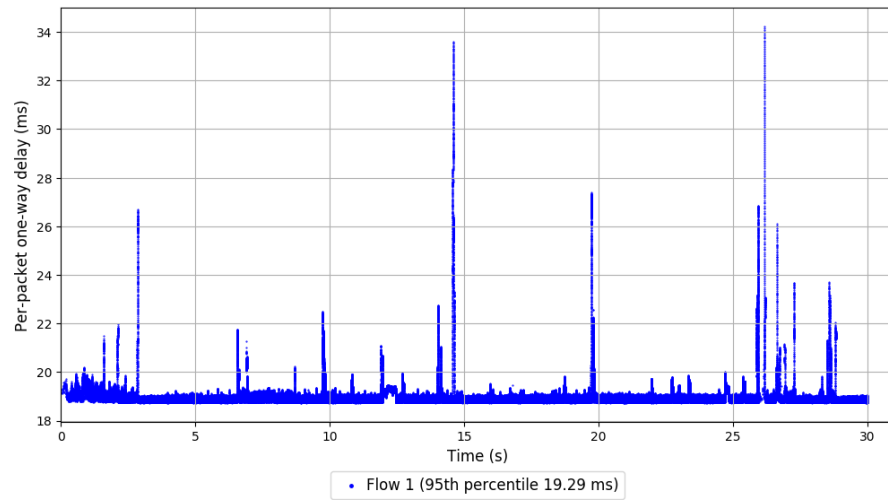
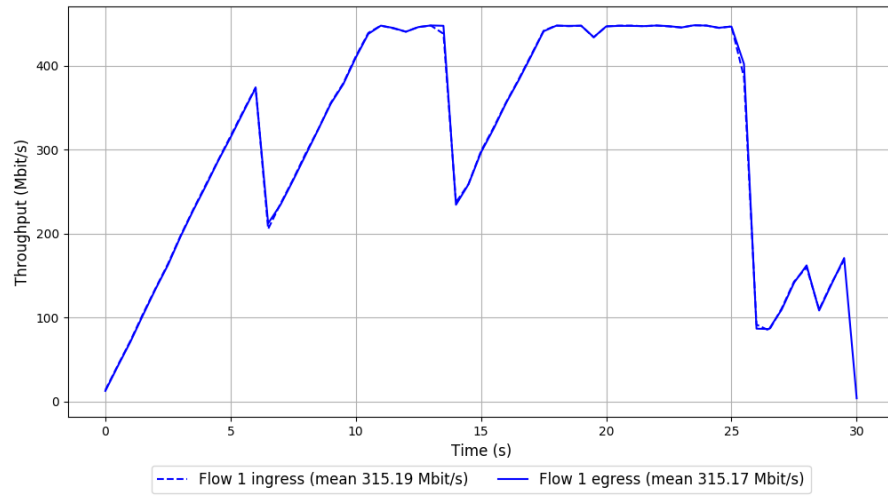


Run 9: Statistics of LEDBAT

Start at: 2018-04-17 09:11:54
End at: 2018-04-17 09:12:24
Local clock offset: -0.186 ms
Remote clock offset: -5.147 ms

Below is generated by plot.py at 2018-04-17 12:03:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 315.17 Mbit/s
95th percentile per-packet one-way delay: 19.290 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 315.17 Mbit/s
95th percentile per-packet one-way delay: 19.290 ms
Loss rate: 0.01%

Run 9: Report of LEDBAT — Data Link

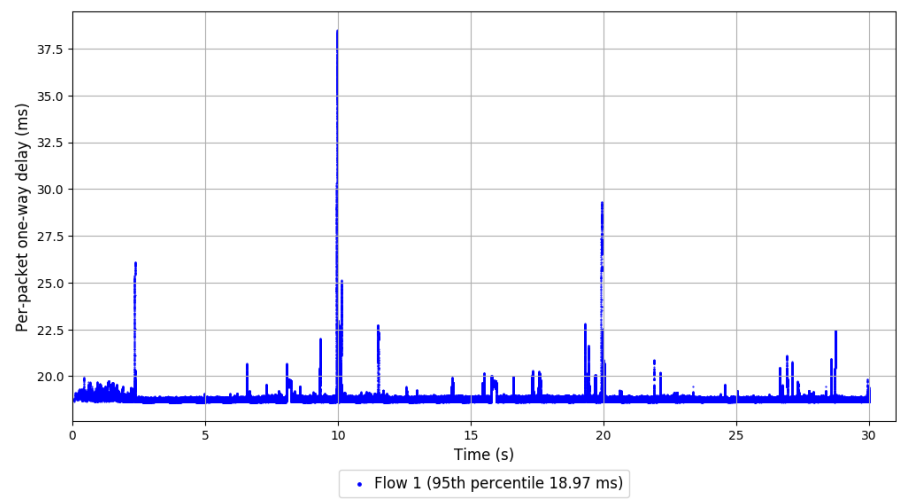
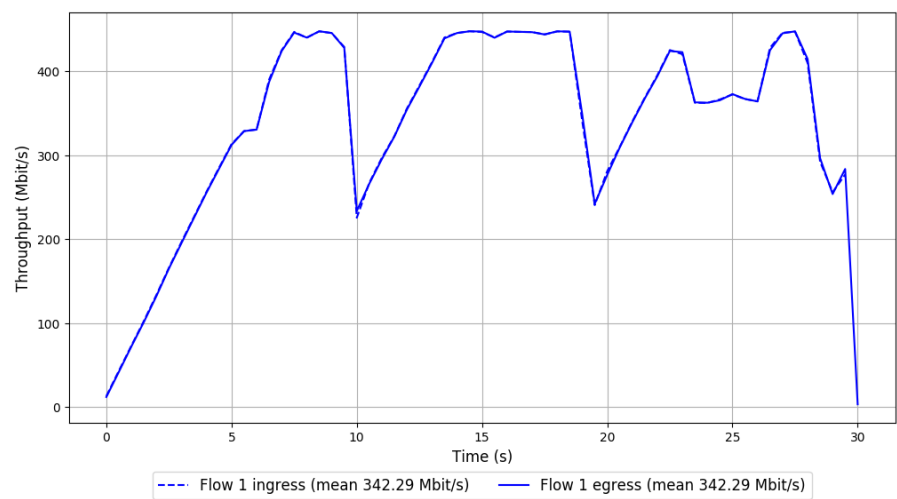


Run 10: Statistics of LEDBAT

Start at: 2018-04-17 09:36:43
End at: 2018-04-17 09:37:13
Local clock offset: 0.094 ms
Remote clock offset: -5.255 ms

Below is generated by plot.py at 2018-04-17 12:03:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 342.29 Mbit/s
95th percentile per-packet one-way delay: 18.968 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 342.29 Mbit/s
95th percentile per-packet one-way delay: 18.968 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-04-17 05:38:39

End at: 2018-04-17 05:39:09

Local clock offset: -0.039 ms

Remote clock offset: -6.007 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 855.12 Mbit/s

95th percentile per-packet one-way delay: 100.261 ms

Loss rate: 0.73%

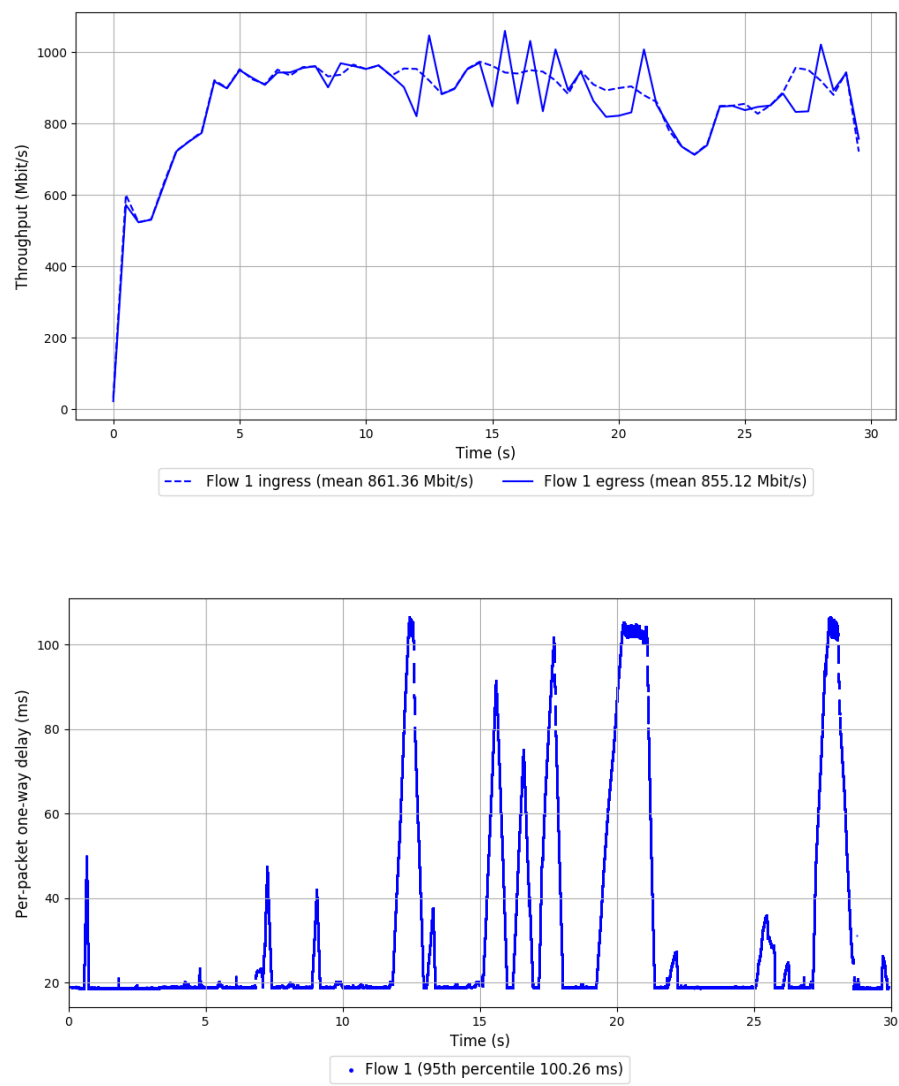
-- Flow 1:

Average throughput: 855.12 Mbit/s

95th percentile per-packet one-way delay: 100.261 ms

Loss rate: 0.73%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-04-17 06:03:45

End at: 2018-04-17 06:04:15

Local clock offset: -0.076 ms

Remote clock offset: -5.437 ms

Below is generated by plot.py at 2018-04-17 12:13:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 841.92 Mbit/s

95th percentile per-packet one-way delay: 98.421 ms

Loss rate: 1.14%

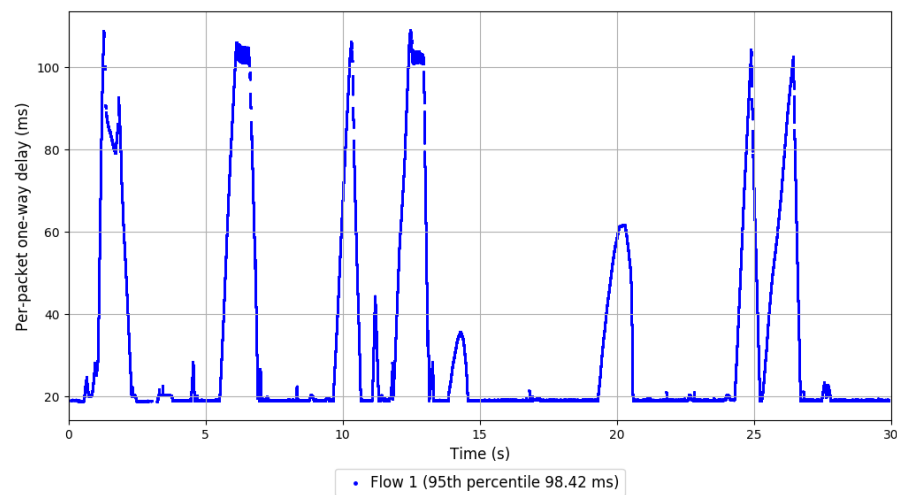
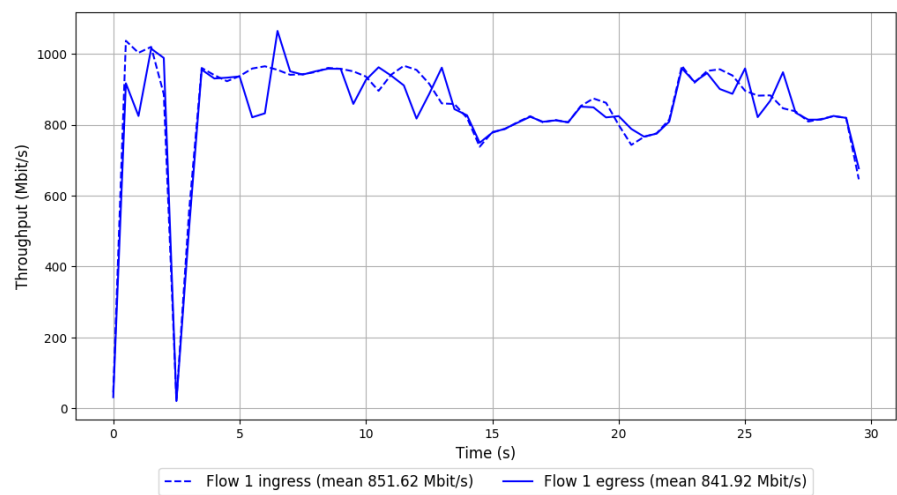
-- Flow 1:

Average throughput: 841.92 Mbit/s

95th percentile per-packet one-way delay: 98.421 ms

Loss rate: 1.14%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-04-17 06:28:43

End at: 2018-04-17 06:29:13

Local clock offset: 0.169 ms

Remote clock offset: -6.698 ms

Below is generated by plot.py at 2018-04-17 12:14:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 882.62 Mbit/s

95th percentile per-packet one-way delay: 95.724 ms

Loss rate: 1.03%

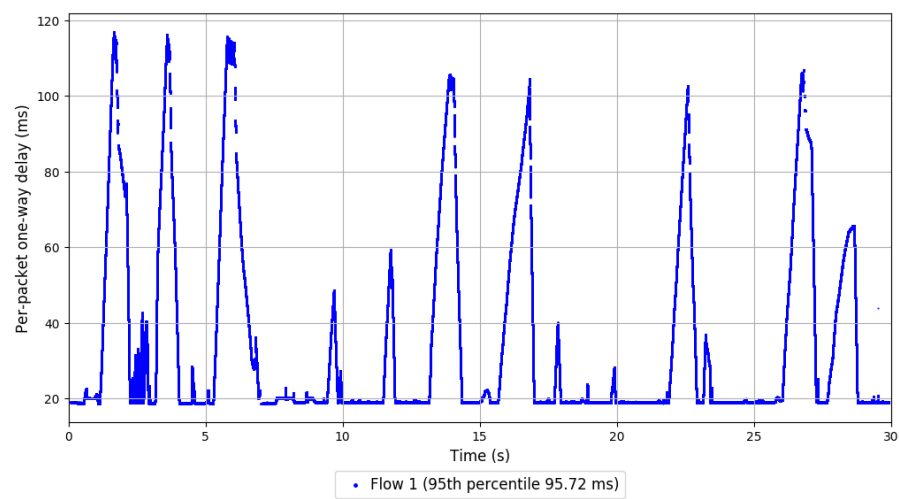
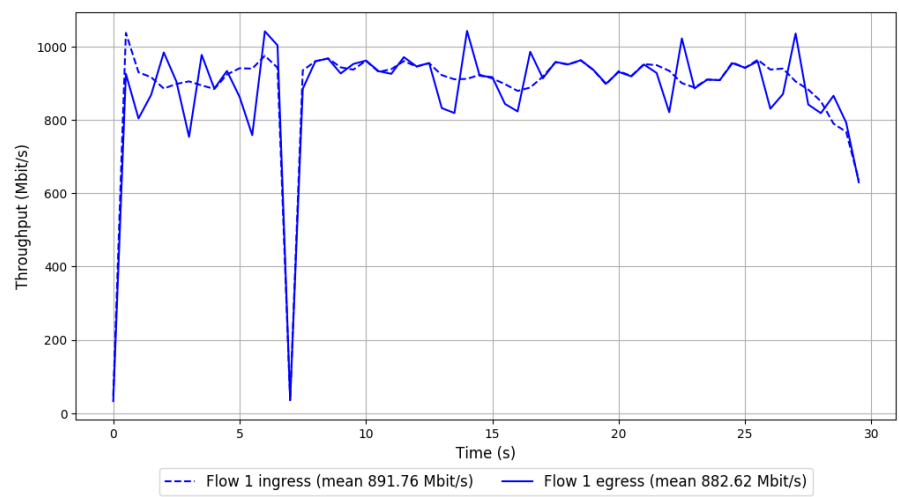
-- Flow 1:

Average throughput: 882.62 Mbit/s

95th percentile per-packet one-way delay: 95.724 ms

Loss rate: 1.03%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-04-17 06:53:49

End at: 2018-04-17 06:54:19

Local clock offset: 0.167 ms

Remote clock offset: -6.584 ms

Below is generated by plot.py at 2018-04-17 12:14:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 810.56 Mbit/s

95th percentile per-packet one-way delay: 112.657 ms

Loss rate: 2.96%

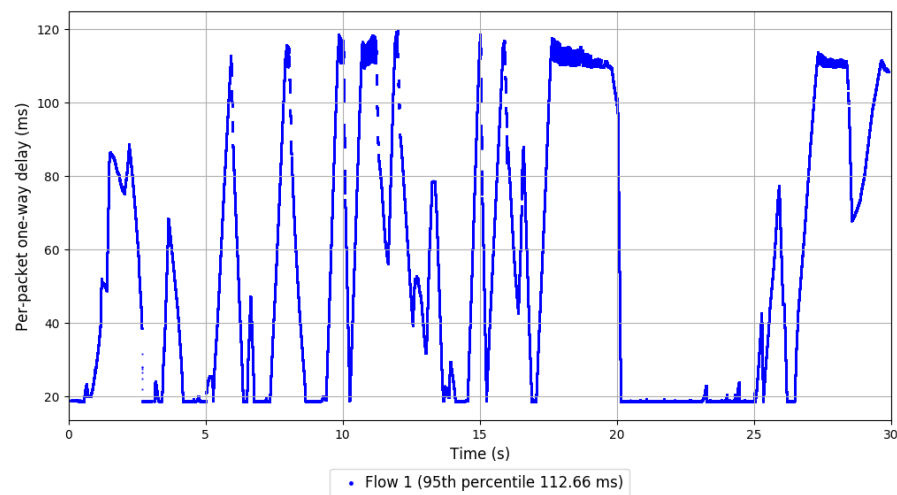
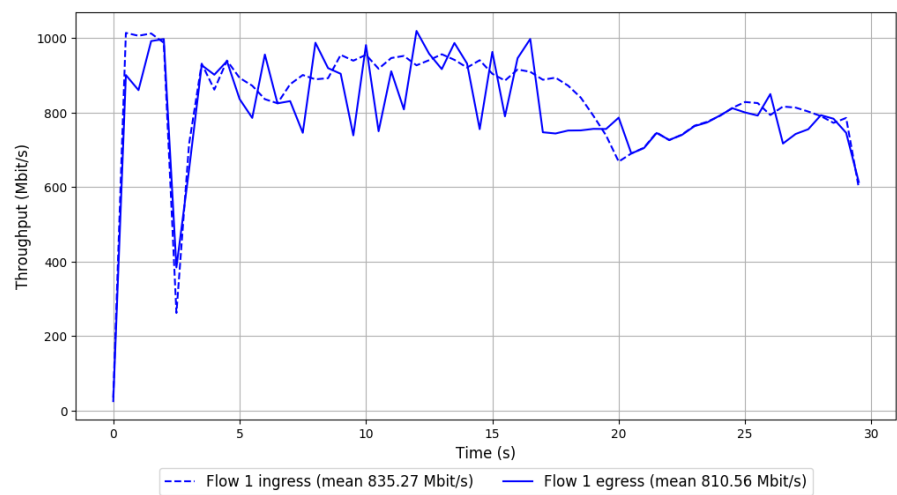
-- Flow 1:

Average throughput: 810.56 Mbit/s

95th percentile per-packet one-way delay: 112.657 ms

Loss rate: 2.96%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-04-17 07:18:35

End at: 2018-04-17 07:19:06

Local clock offset: -0.022 ms

Remote clock offset: -6.37 ms

Below is generated by plot.py at 2018-04-17 12:15:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 834.48 Mbit/s

95th percentile per-packet one-way delay: 67.886 ms

Loss rate: 0.62%

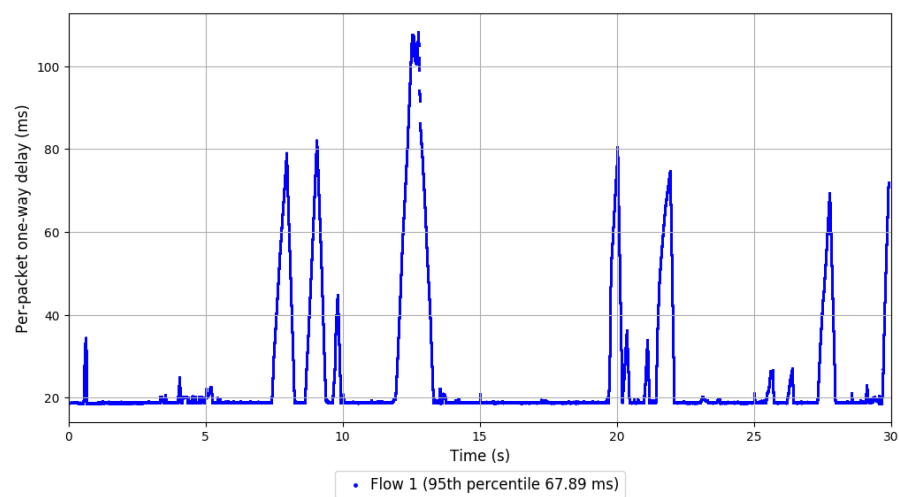
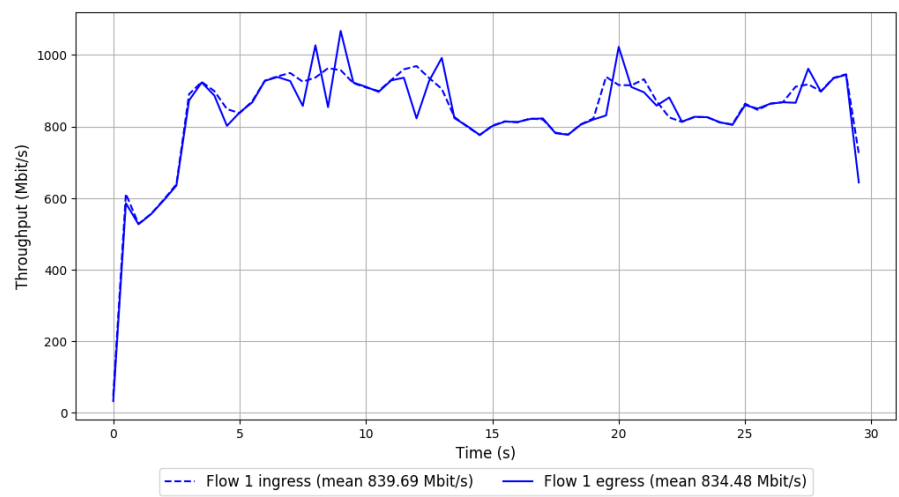
-- Flow 1:

Average throughput: 834.48 Mbit/s

95th percentile per-packet one-way delay: 67.886 ms

Loss rate: 0.62%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-04-17 07:43:32

End at: 2018-04-17 07:44:02

Local clock offset: -0.18 ms

Remote clock offset: -5.962 ms

Below is generated by plot.py at 2018-04-17 12:16:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 865.01 Mbit/s

95th percentile per-packet one-way delay: 111.148 ms

Loss rate: 2.35%

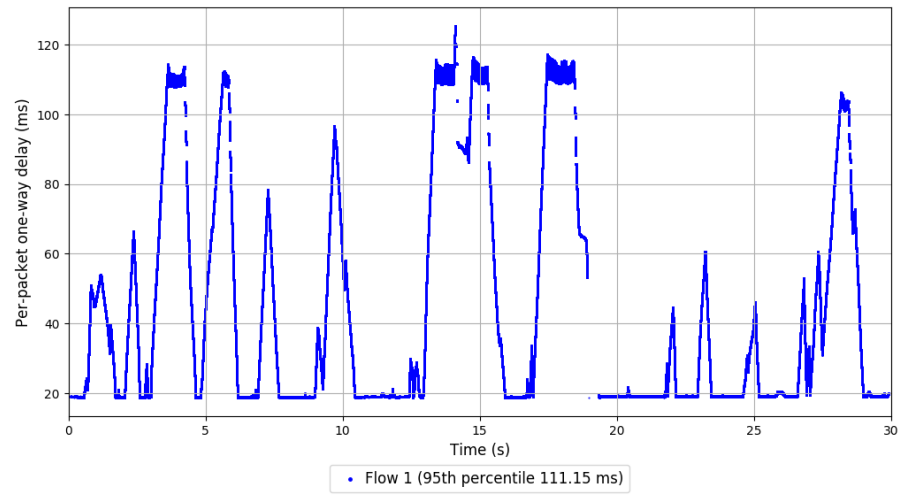
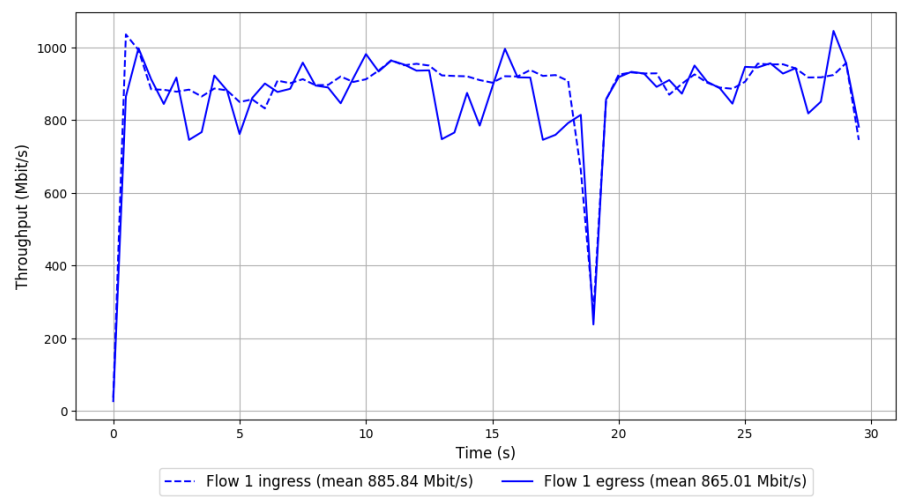
-- Flow 1:

Average throughput: 865.01 Mbit/s

95th percentile per-packet one-way delay: 111.148 ms

Loss rate: 2.35%

Run 6: Report of PCC-Allegro — Data Link

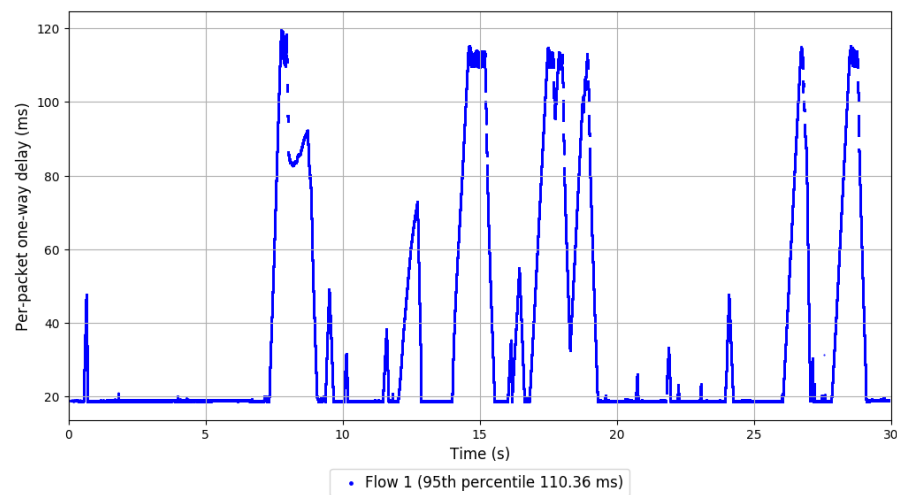
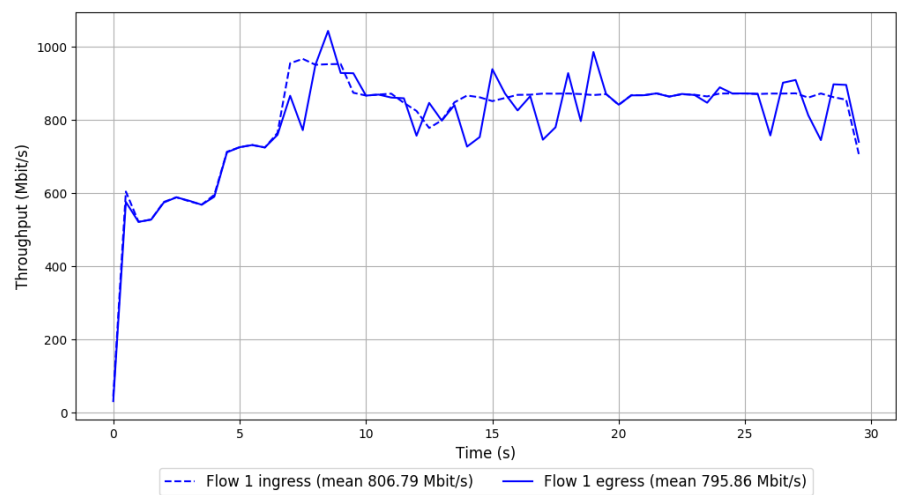


Run 7: Statistics of PCC-Allegro

Start at: 2018-04-17 08:08:50
End at: 2018-04-17 08:09:20
Local clock offset: 0.096 ms
Remote clock offset: -6.192 ms

Below is generated by plot.py at 2018-04-17 12:16:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 795.86 Mbit/s
95th percentile per-packet one-way delay: 110.355 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 795.86 Mbit/s
95th percentile per-packet one-way delay: 110.355 ms
Loss rate: 1.36%

Run 7: Report of PCC-Allegro — Data Link

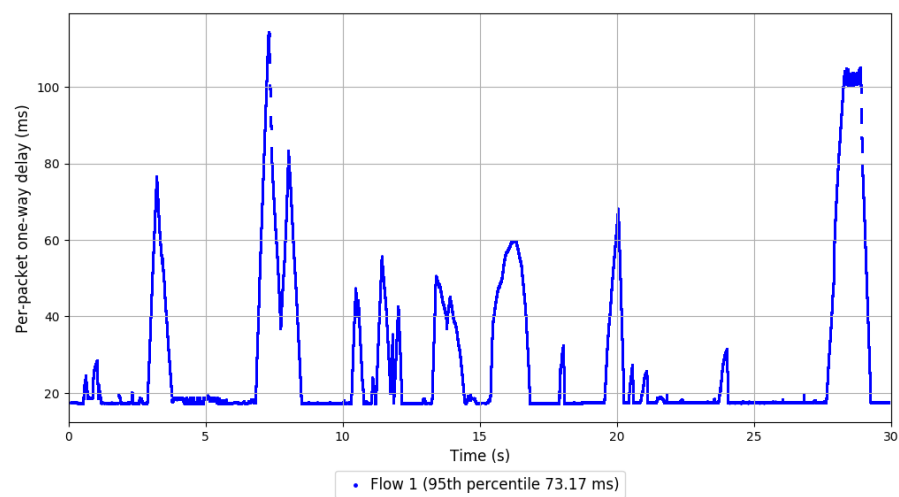
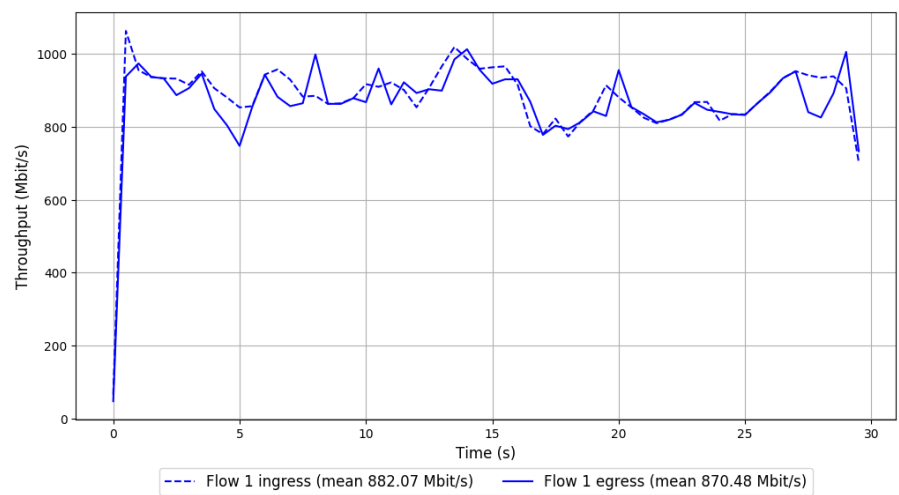


Run 8: Statistics of PCC-Allegro

Start at: 2018-04-17 08:33:46
End at: 2018-04-17 08:34:16
Local clock offset: -0.075 ms
Remote clock offset: -5.569 ms

Below is generated by plot.py at 2018-04-17 12:16:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 870.48 Mbit/s
95th percentile per-packet one-way delay: 73.169 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 870.48 Mbit/s
95th percentile per-packet one-way delay: 73.169 ms
Loss rate: 1.31%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-04-17 08:58:35

End at: 2018-04-17 08:59:05

Local clock offset: -0.084 ms

Remote clock offset: -5.065 ms

Below is generated by plot.py at 2018-04-17 12:26:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 903.43 Mbit/s

95th percentile per-packet one-way delay: 64.507 ms

Loss rate: 0.63%

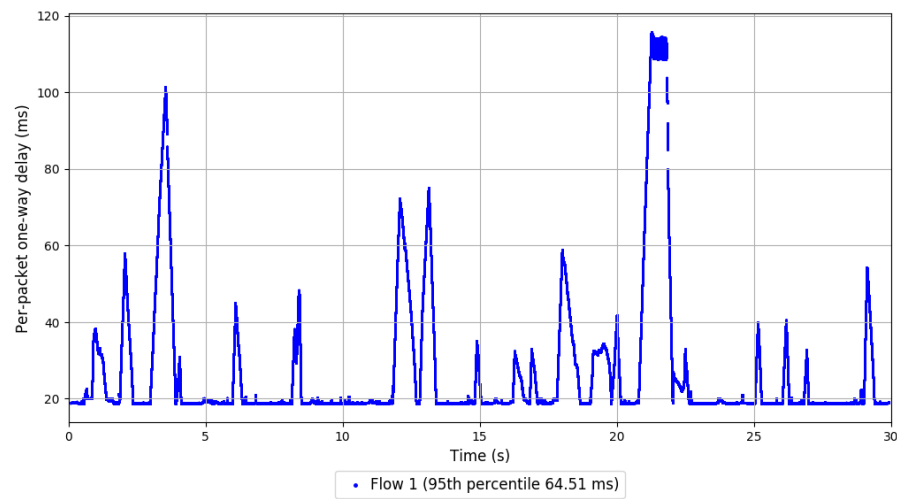
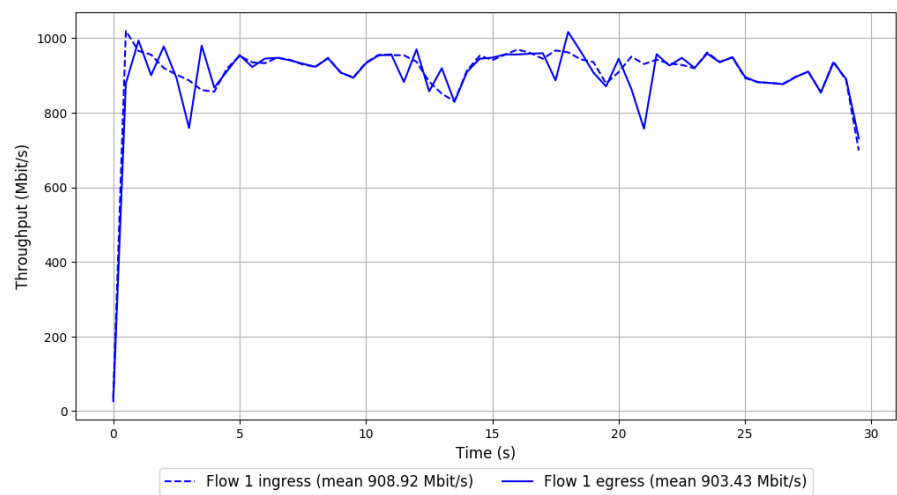
-- Flow 1:

Average throughput: 903.43 Mbit/s

95th percentile per-packet one-way delay: 64.507 ms

Loss rate: 0.63%

Run 9: Report of PCC-Allegro — Data Link

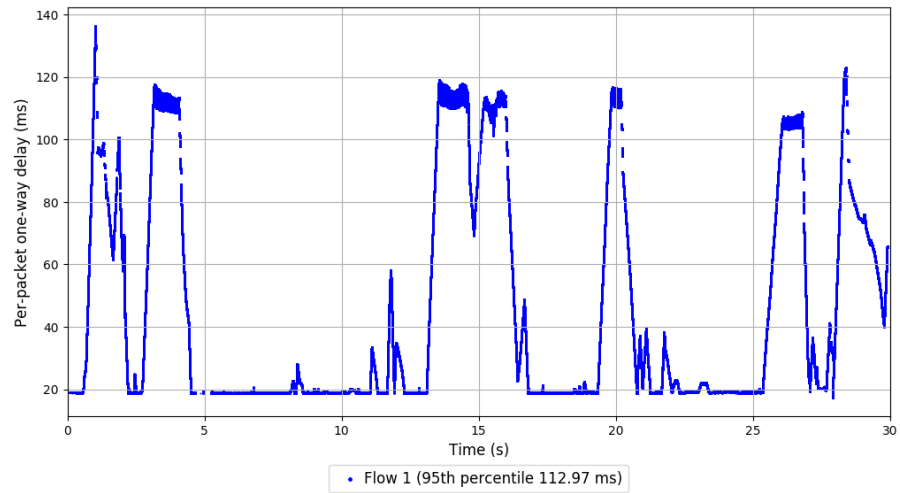
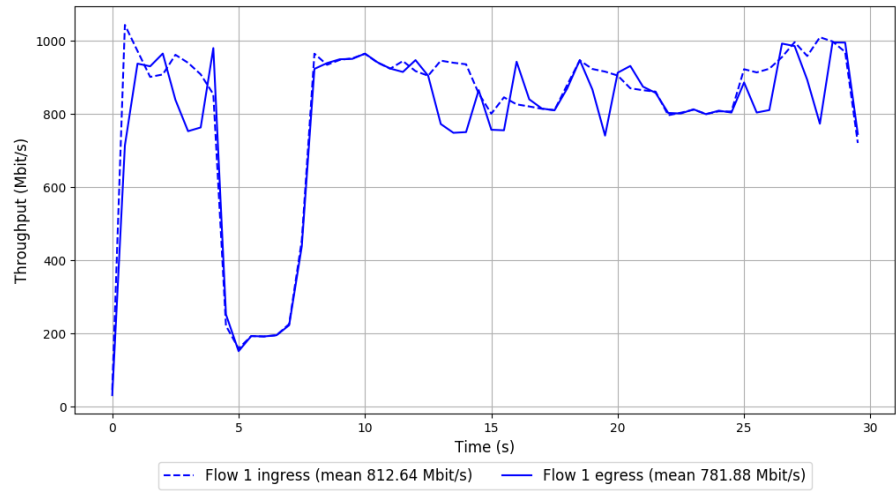


Run 10: Statistics of PCC-Allegro

Start at: 2018-04-17 09:23:22
End at: 2018-04-17 09:23:52
Local clock offset: -0.166 ms
Remote clock offset: -5.172 ms

Below is generated by plot.py at 2018-04-17 12:26:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 781.88 Mbit/s
95th percentile per-packet one-way delay: 112.967 ms
Loss rate: 3.79%
-- Flow 1:
Average throughput: 781.88 Mbit/s
95th percentile per-packet one-way delay: 112.967 ms
Loss rate: 3.79%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-04-17 05:40:20

End at: 2018-04-17 05:40:50

Local clock offset: -0.155 ms

Remote clock offset: -5.84 ms

Below is generated by plot.py at 2018-04-17 12:26:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.80 Mbit/s

95th percentile per-packet one-way delay: 17.488 ms

Loss rate: 0.00%

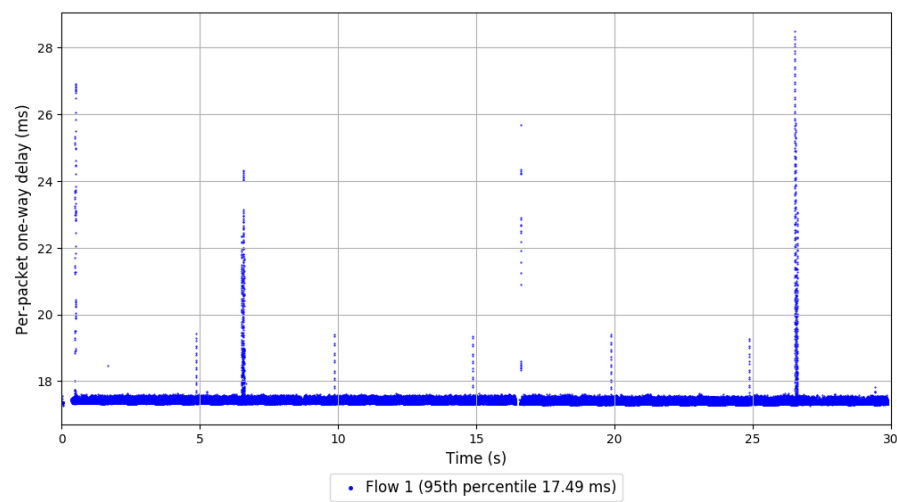
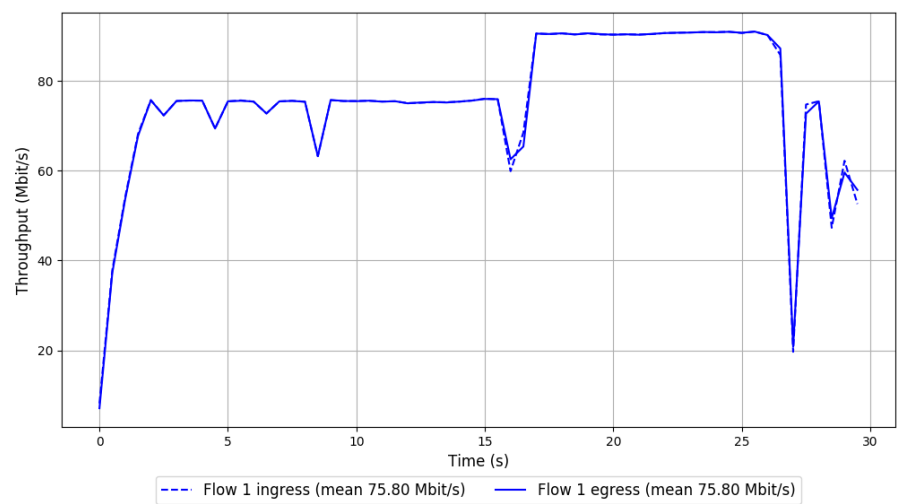
-- Flow 1:

Average throughput: 75.80 Mbit/s

95th percentile per-packet one-way delay: 17.488 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-04-17 06:05:26

End at: 2018-04-17 06:05:56

Local clock offset: -0.033 ms

Remote clock offset: -5.465 ms

Below is generated by plot.py at 2018-04-17 12:26:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.45 Mbit/s

95th percentile per-packet one-way delay: 18.867 ms

Loss rate: 0.00%

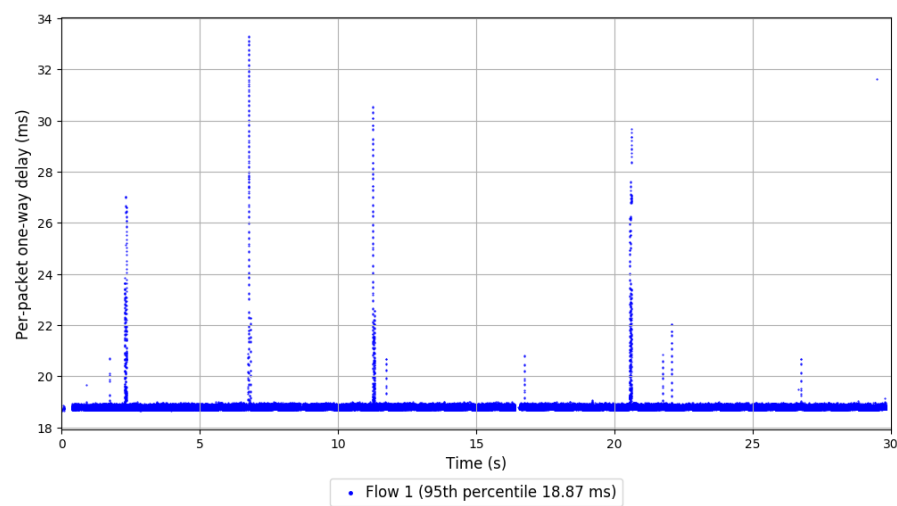
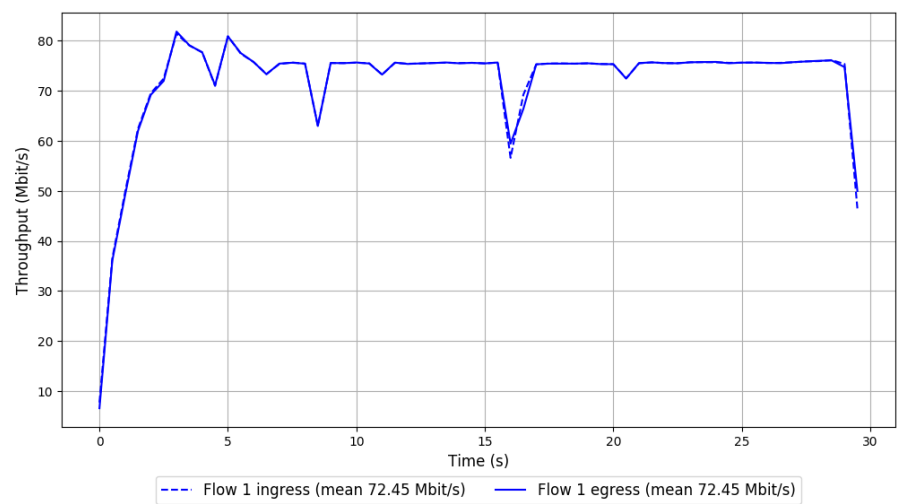
-- Flow 1:

Average throughput: 72.45 Mbit/s

95th percentile per-packet one-way delay: 18.867 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-04-17 06:30:24

End at: 2018-04-17 06:30:54

Local clock offset: 0.079 ms

Remote clock offset: -6.81 ms

Below is generated by plot.py at 2018-04-17 12:26:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.07 Mbit/s

95th percentile per-packet one-way delay: 18.866 ms

Loss rate: 0.00%

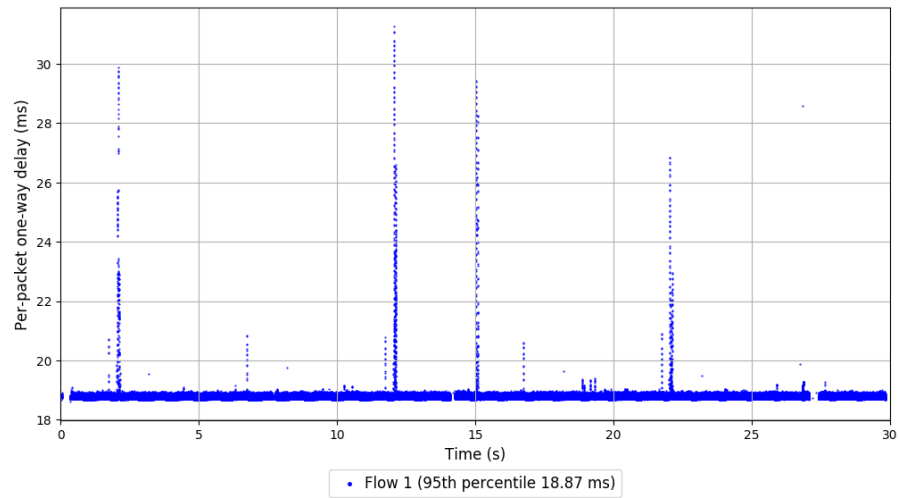
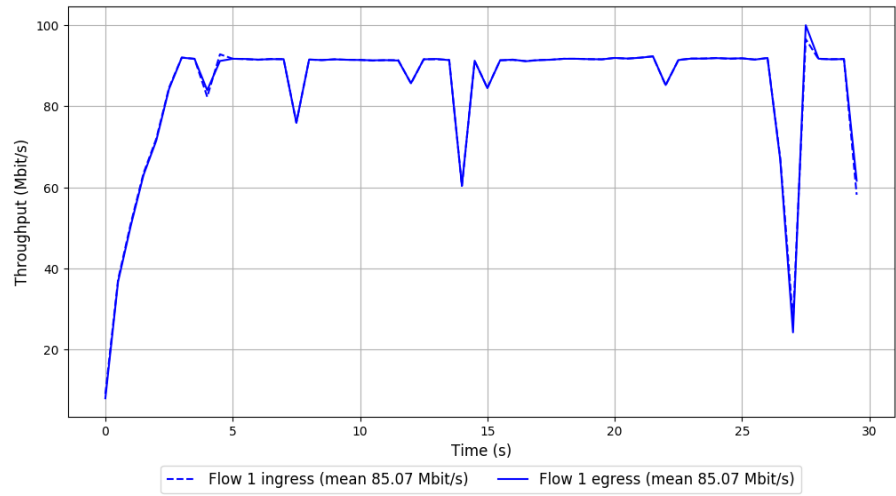
-- Flow 1:

Average throughput: 85.07 Mbit/s

95th percentile per-packet one-way delay: 18.866 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-04-17 06:55:29

End at: 2018-04-17 06:55:59

Local clock offset: 0.103 ms

Remote clock offset: -6.542 ms

Below is generated by plot.py at 2018-04-17 12:26:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.85 Mbit/s

95th percentile per-packet one-way delay: 18.854 ms

Loss rate: 0.00%

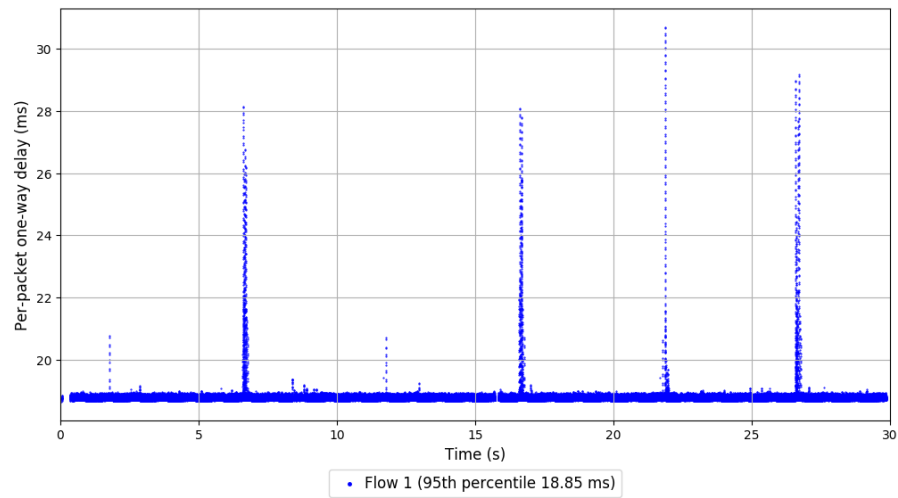
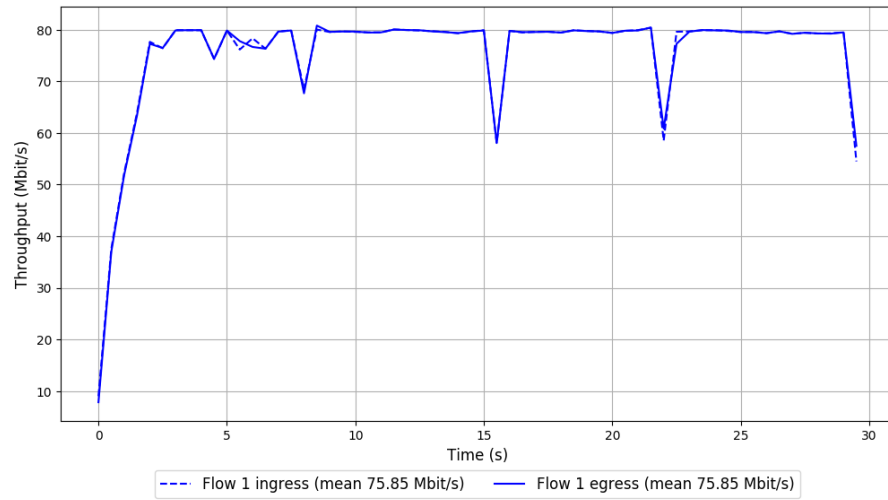
-- Flow 1:

Average throughput: 75.85 Mbit/s

95th percentile per-packet one-way delay: 18.854 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-04-17 07:20:16

End at: 2018-04-17 07:20:46

Local clock offset: -0.136 ms

Remote clock offset: -6.311 ms

Below is generated by plot.py at 2018-04-17 12:26:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.10 Mbit/s

95th percentile per-packet one-way delay: 17.375 ms

Loss rate: 0.00%

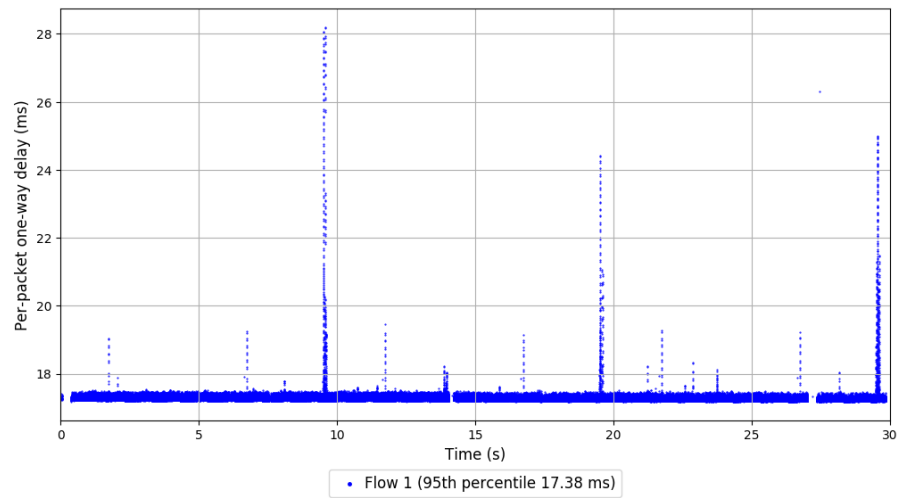
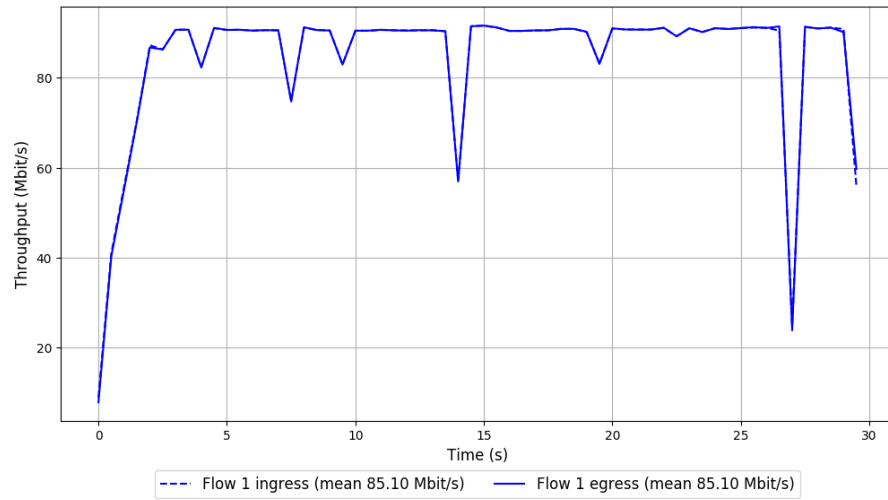
-- Flow 1:

Average throughput: 85.10 Mbit/s

95th percentile per-packet one-way delay: 17.375 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-04-17 07:45:14

End at: 2018-04-17 07:45:44

Local clock offset: -0.156 ms

Remote clock offset: -5.924 ms

Below is generated by plot.py at 2018-04-17 12:26:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.08 Mbit/s

95th percentile per-packet one-way delay: 18.904 ms

Loss rate: 0.00%

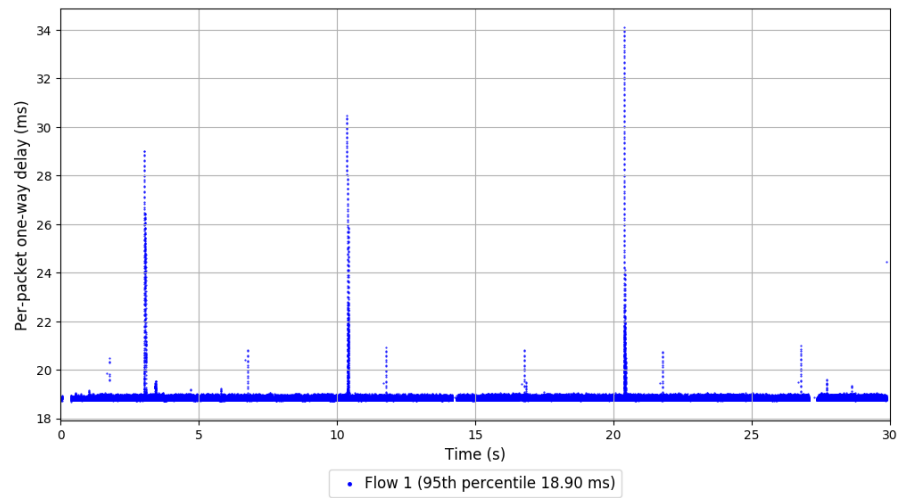
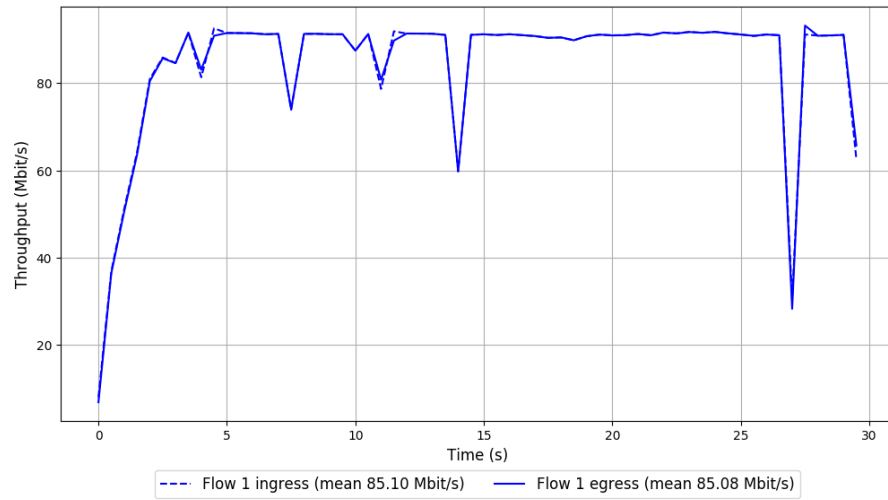
-- Flow 1:

Average throughput: 85.08 Mbit/s

95th percentile per-packet one-way delay: 18.904 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

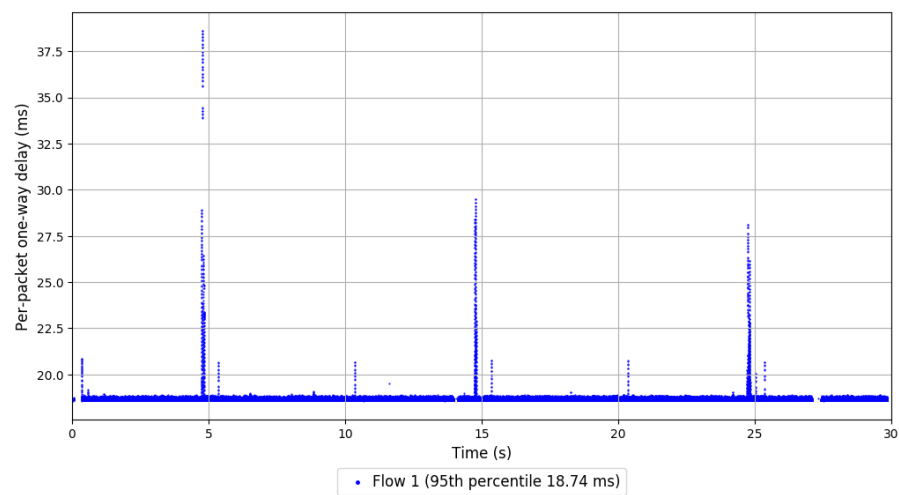
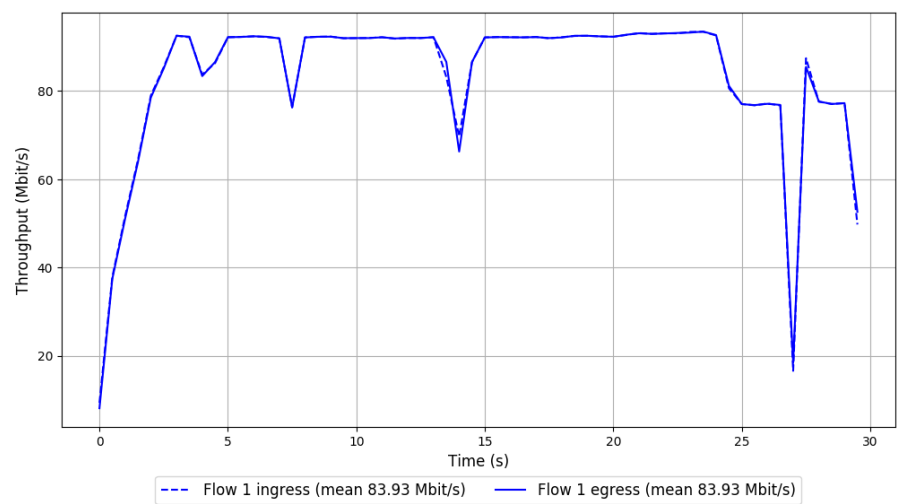


Run 7: Statistics of QUIC Cubic

Start at: 2018-04-17 08:10:30
End at: 2018-04-17 08:11:00
Local clock offset: 0.085 ms
Remote clock offset: -6.234 ms

Below is generated by plot.py at 2018-04-17 12:26:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.93 Mbit/s
95th percentile per-packet one-way delay: 18.740 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.93 Mbit/s
95th percentile per-packet one-way delay: 18.740 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-04-17 08:35:27

End at: 2018-04-17 08:35:57

Local clock offset: -0.171 ms

Remote clock offset: -5.462 ms

Below is generated by plot.py at 2018-04-17 12:26:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.66 Mbit/s

95th percentile per-packet one-way delay: 18.881 ms

Loss rate: 0.01%

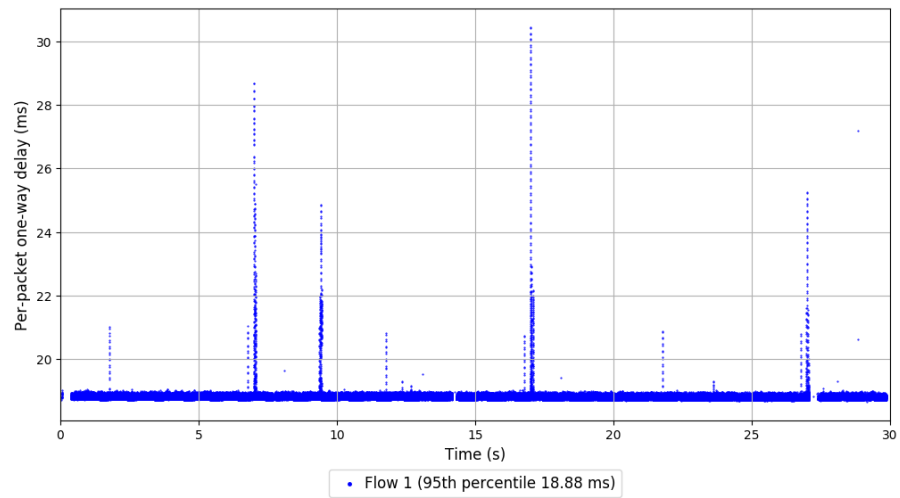
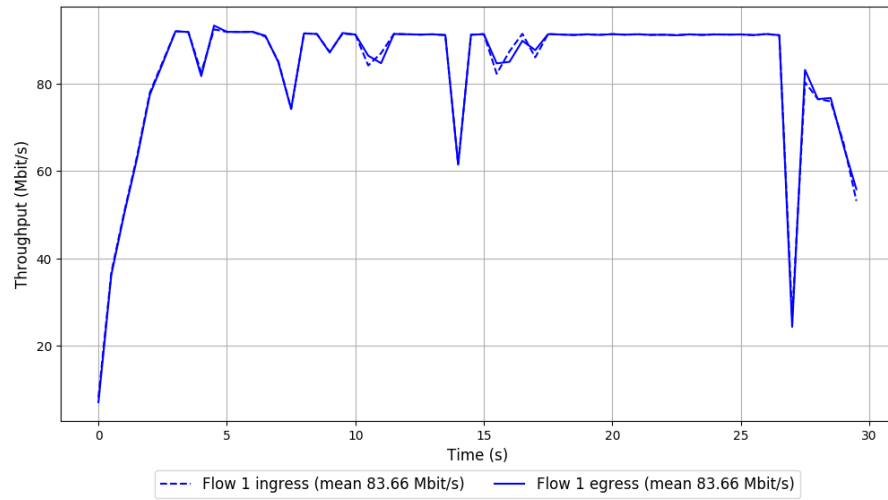
-- Flow 1:

Average throughput: 83.66 Mbit/s

95th percentile per-packet one-way delay: 18.881 ms

Loss rate: 0.01%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-04-17 09:00:16

End at: 2018-04-17 09:00:46

Local clock offset: -0.091 ms

Remote clock offset: -5.153 ms

Below is generated by plot.py at 2018-04-17 12:26:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.19 Mbit/s

95th percentile per-packet one-way delay: 18.784 ms

Loss rate: 0.00%

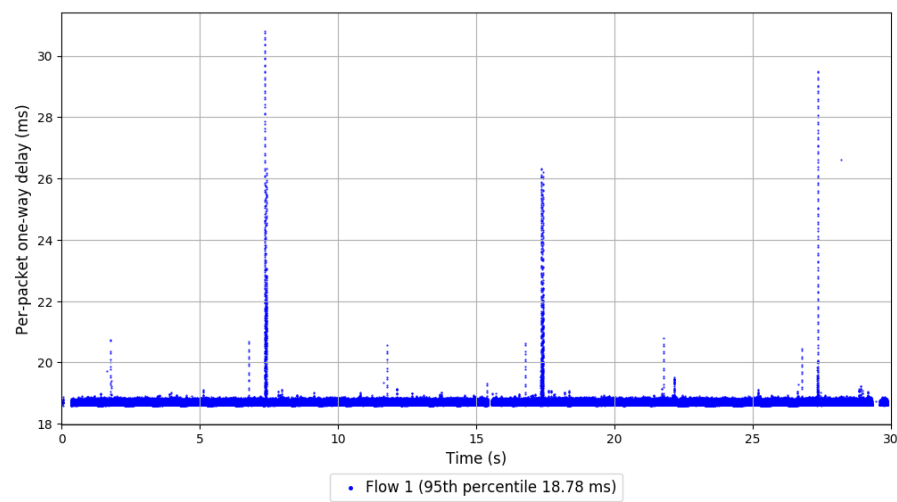
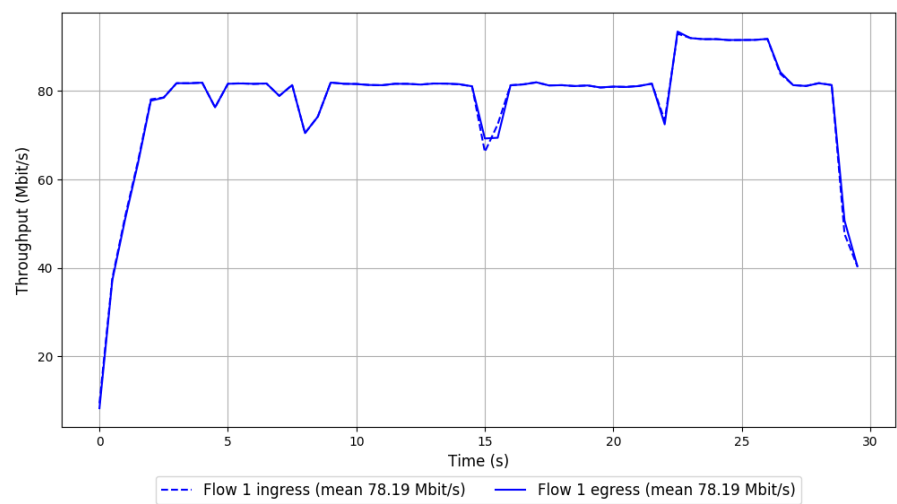
-- Flow 1:

Average throughput: 78.19 Mbit/s

95th percentile per-packet one-way delay: 18.784 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-04-17 09:25:00

End at: 2018-04-17 09:25:30

Local clock offset: -0.171 ms

Remote clock offset: -5.16 ms

Below is generated by plot.py at 2018-04-17 12:26:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.63 Mbit/s

95th percentile per-packet one-way delay: 18.915 ms

Loss rate: 0.00%

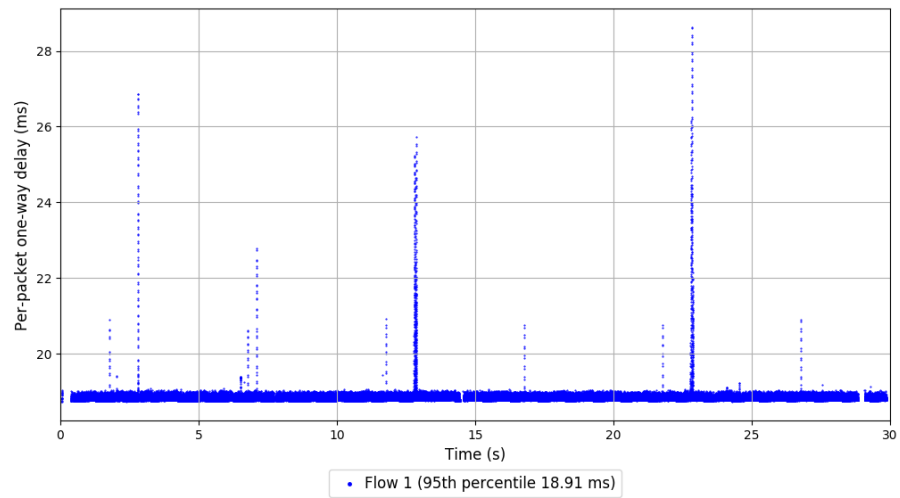
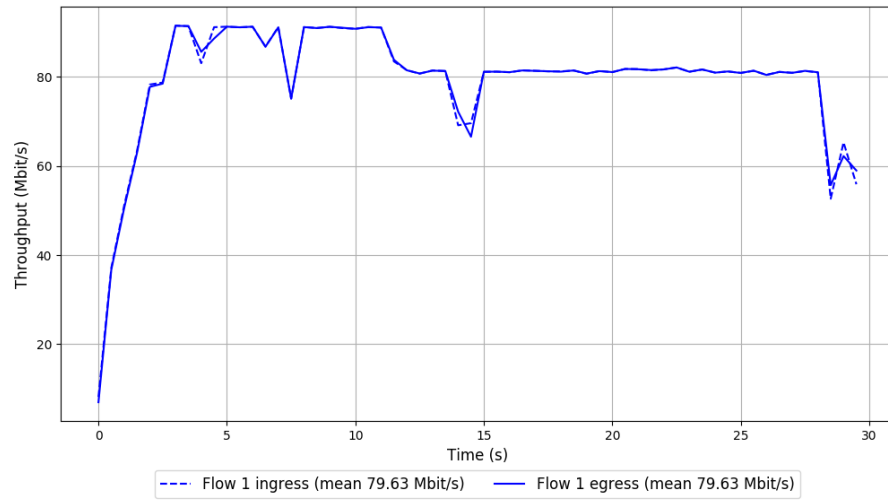
-- Flow 1:

Average throughput: 79.63 Mbit/s

95th percentile per-packet one-way delay: 18.915 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2018-04-17 05:53:33

End at: 2018-04-17 05:54:03

Local clock offset: -0.095 ms

Remote clock offset: -5.45 ms

Below is generated by plot.py at 2018-04-17 12:26:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 17.728 ms

Loss rate: 0.00%

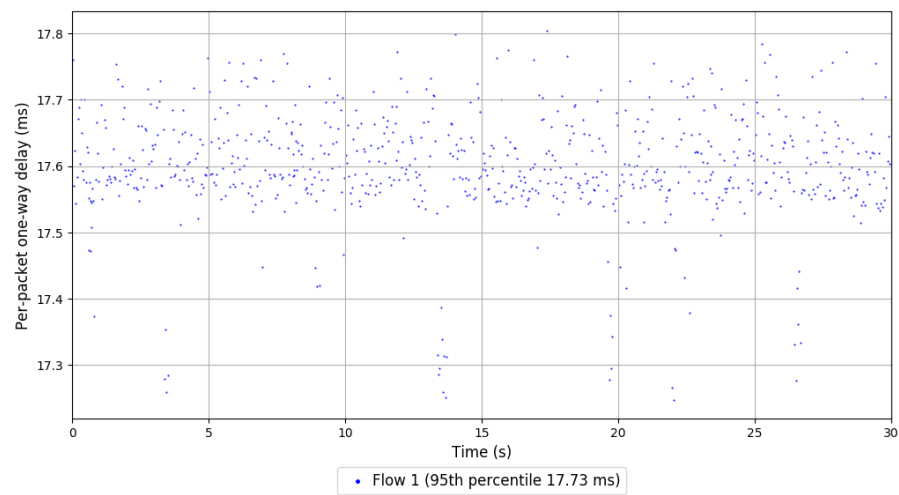
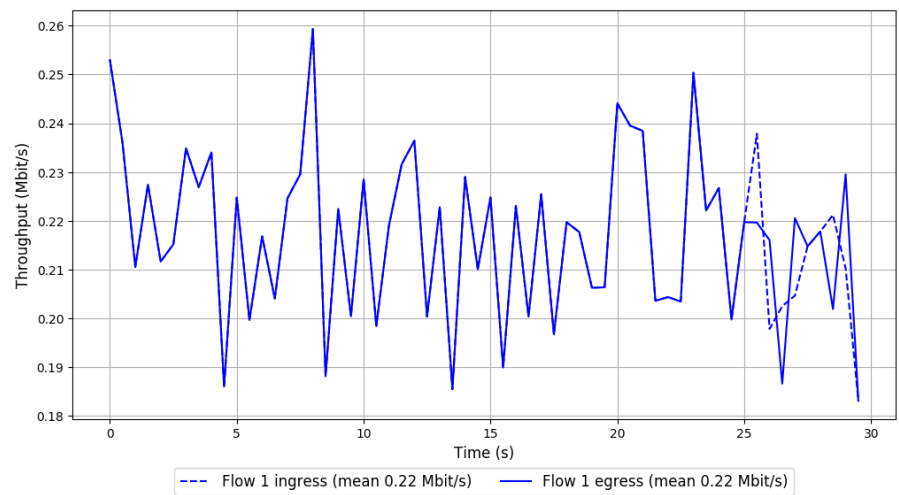
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 17.728 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

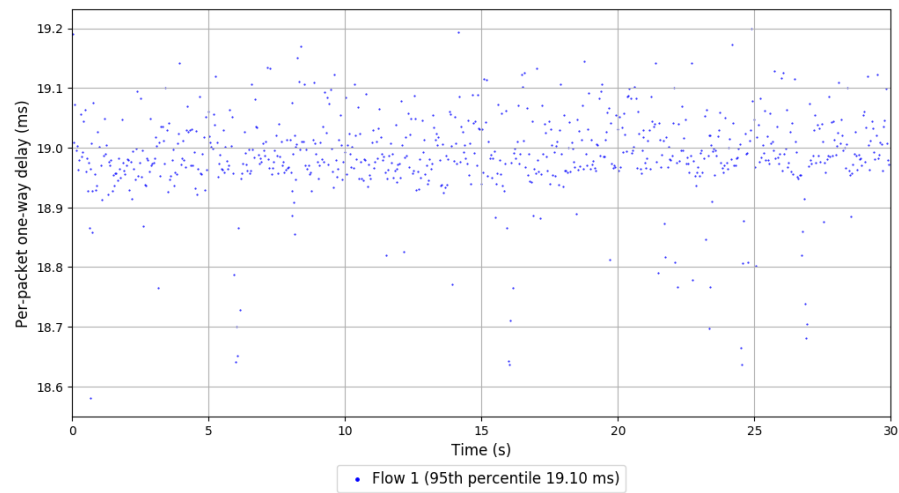
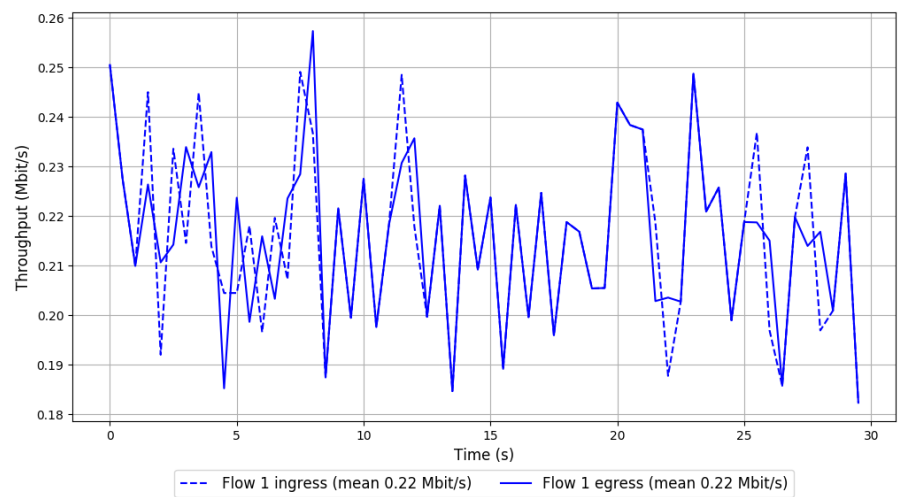


Run 2: Statistics of SCReAM

Start at: 2018-04-17 06:18:40
End at: 2018-04-17 06:19:10
Local clock offset: 0.146 ms
Remote clock offset: -6.397 ms

Below is generated by plot.py at 2018-04-17 12:26:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.099 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.099 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

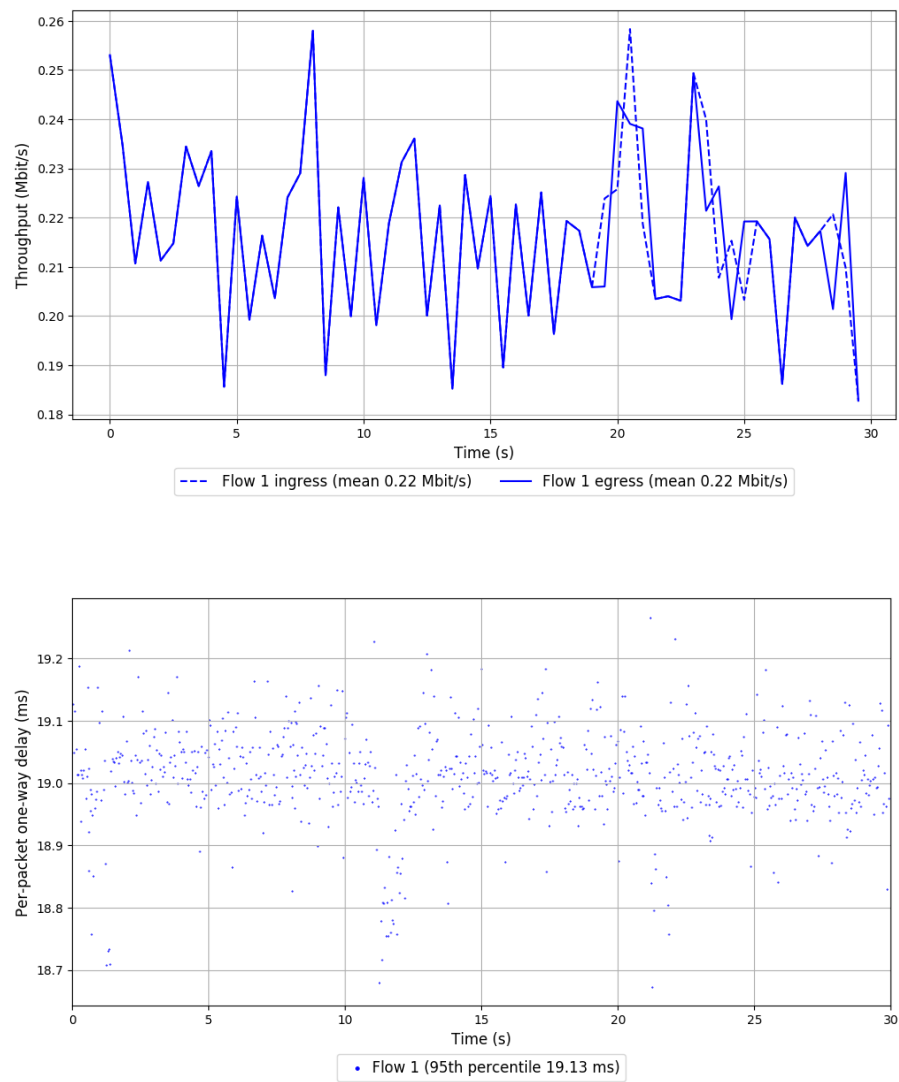


Run 3: Statistics of SCReAM

Start at: 2018-04-17 06:43:35
End at: 2018-04-17 06:44:05
Local clock offset: 0.179 ms
Remote clock offset: -6.704 ms

Below is generated by plot.py at 2018-04-17 12:26:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.127 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.127 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

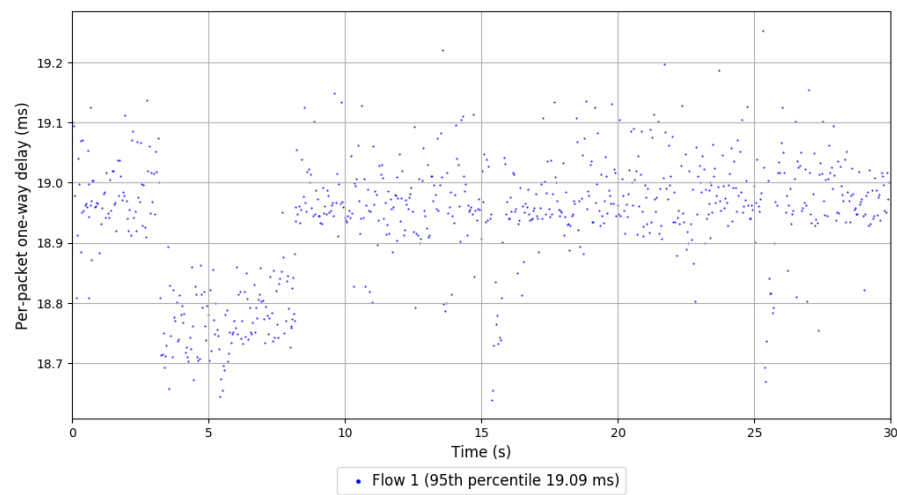
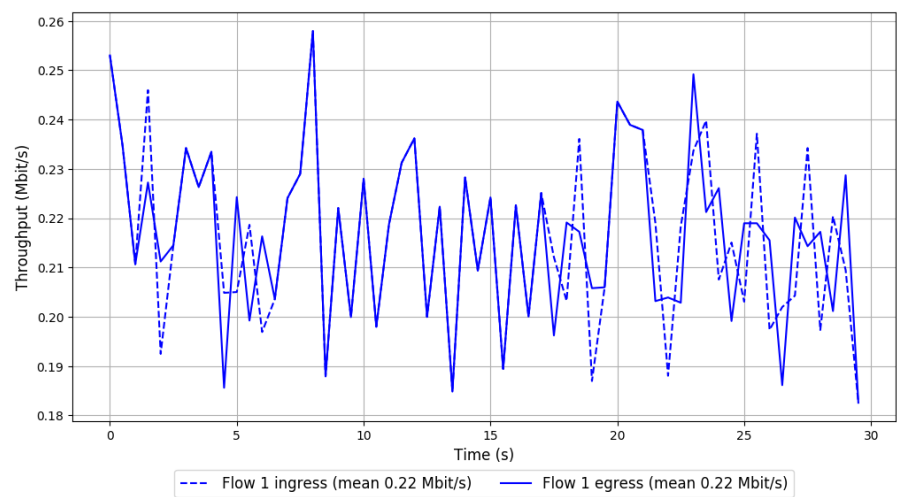


Run 4: Statistics of SCReAM

Start at: 2018-04-17 07:08:40
End at: 2018-04-17 07:09:10
Local clock offset: 0.109 ms
Remote clock offset: -6.475 ms

Below is generated by plot.py at 2018-04-17 12:26:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.086 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.086 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-04-17 07:33:28

End at: 2018-04-17 07:33:59

Local clock offset: -0.233 ms

Remote clock offset: -5.95 ms

Below is generated by plot.py at 2018-04-17 12:26:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.173 ms

Loss rate: 0.00%

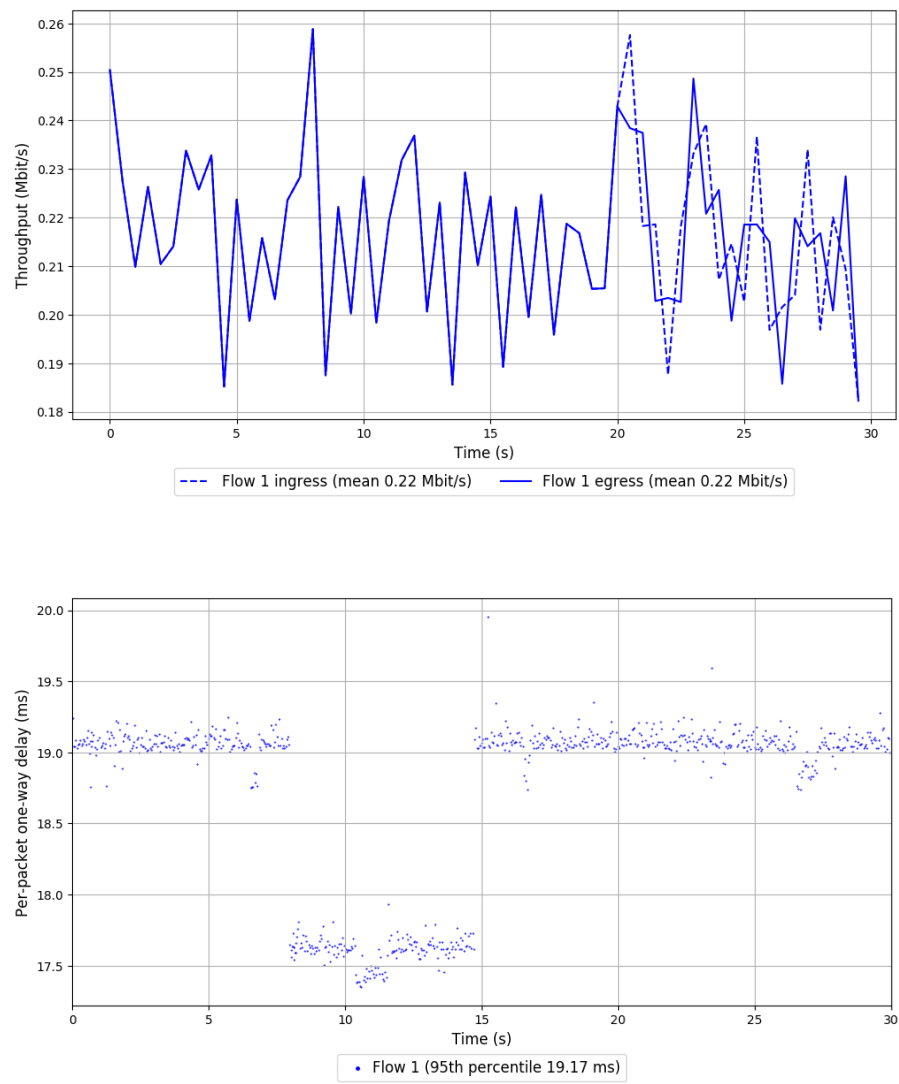
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.173 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-04-17 07:58:31

End at: 2018-04-17 07:59:01

Local clock offset: 0.081 ms

Remote clock offset: -6.14 ms

Below is generated by plot.py at 2018-04-17 12:26:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.052 ms

Loss rate: 0.00%

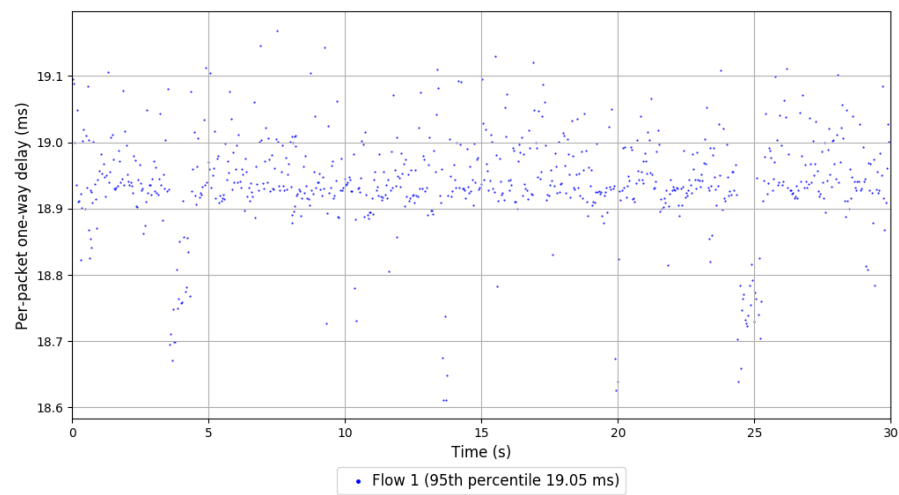
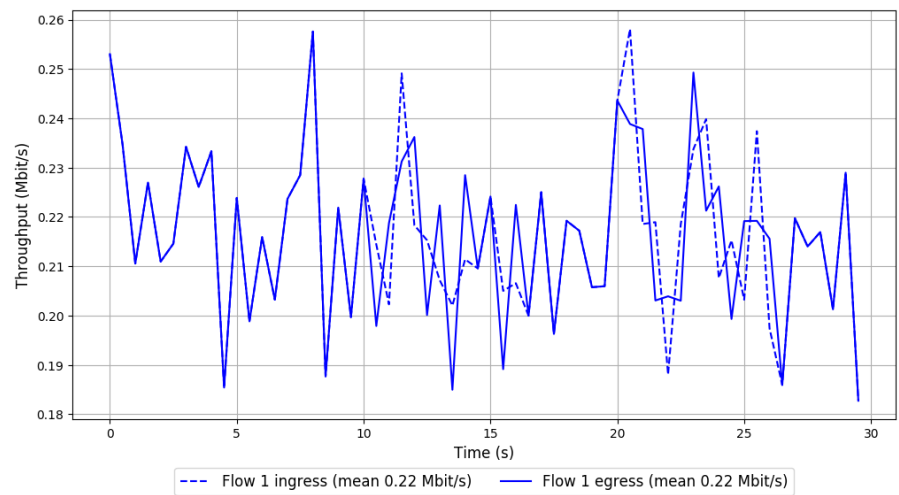
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.052 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

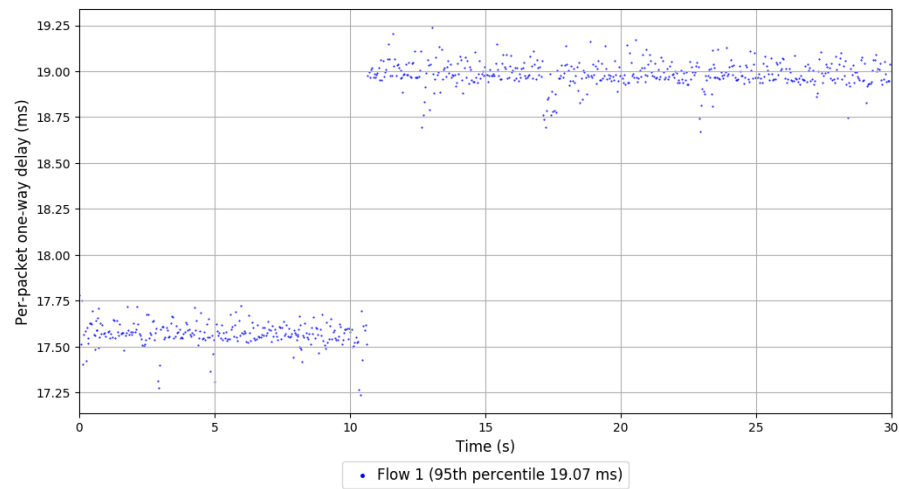
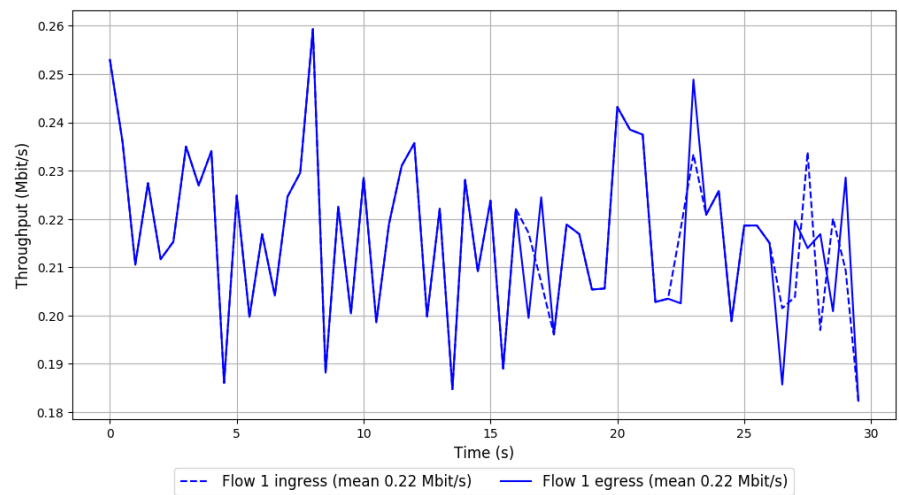


Run 7: Statistics of SCReAM

Start at: 2018-04-17 08:23:51
End at: 2018-04-17 08:24:21
Local clock offset: -0.128 ms
Remote clock offset: -6.175 ms

Below is generated by plot.py at 2018-04-17 12:26:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.074 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.074 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

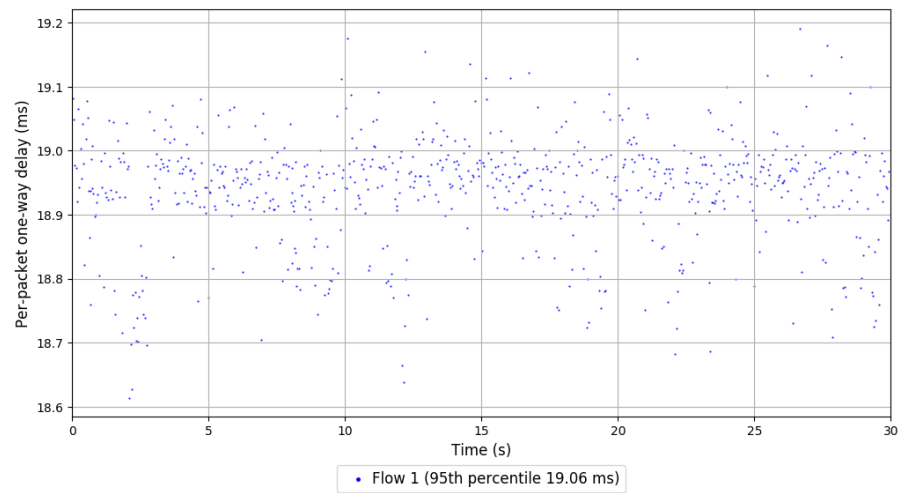
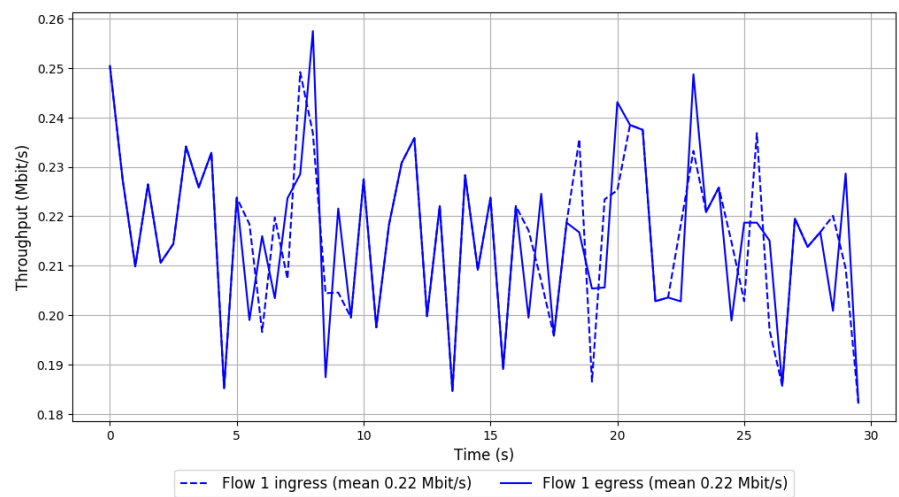


Run 8: Statistics of SCReAM

Start at: 2018-04-17 08:48:42
End at: 2018-04-17 08:49:12
Local clock offset: -0.093 ms
Remote clock offset: -5.146 ms

Below is generated by plot.py at 2018-04-17 12:26:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.059 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.059 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

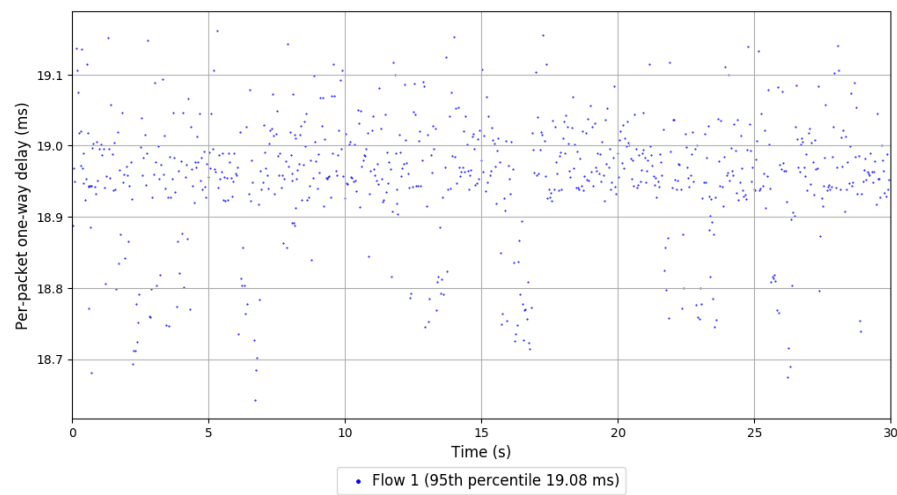
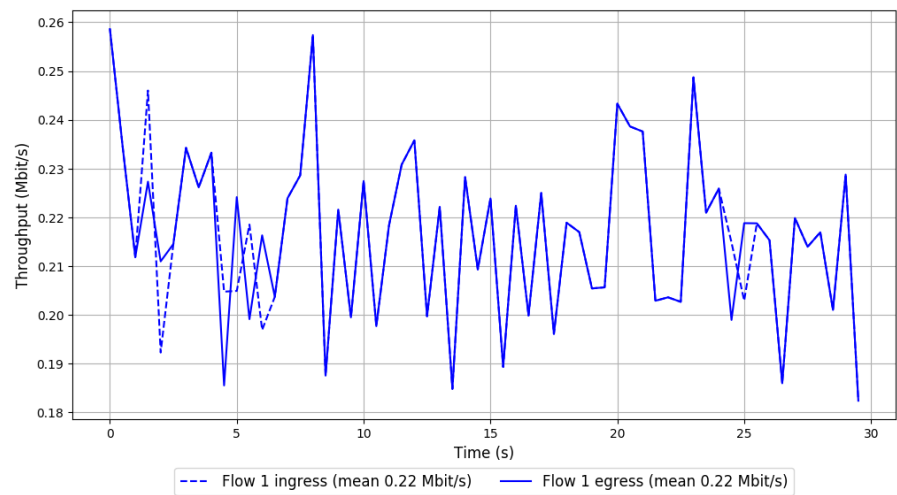


Run 9: Statistics of SCReAM

Start at: 2018-04-17 09:13:27
End at: 2018-04-17 09:13:57
Local clock offset: -0.07 ms
Remote clock offset: -5.154 ms

Below is generated by plot.py at 2018-04-17 12:26:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.083 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.083 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

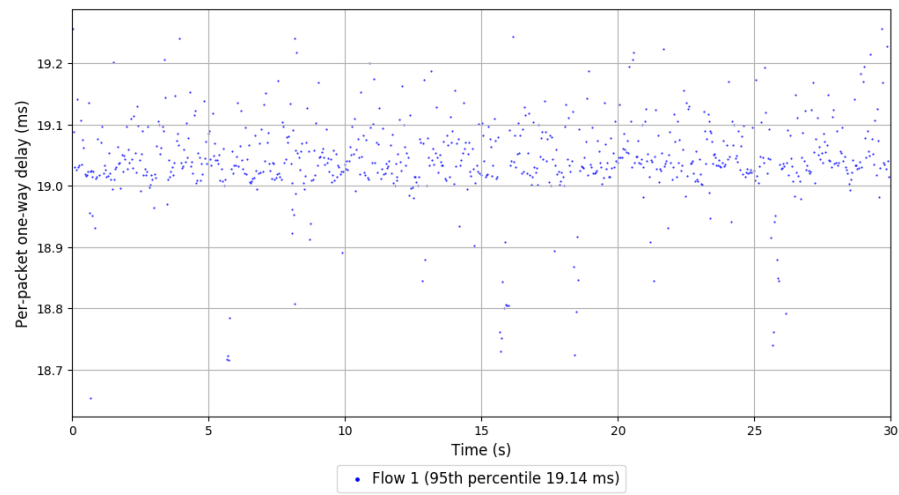
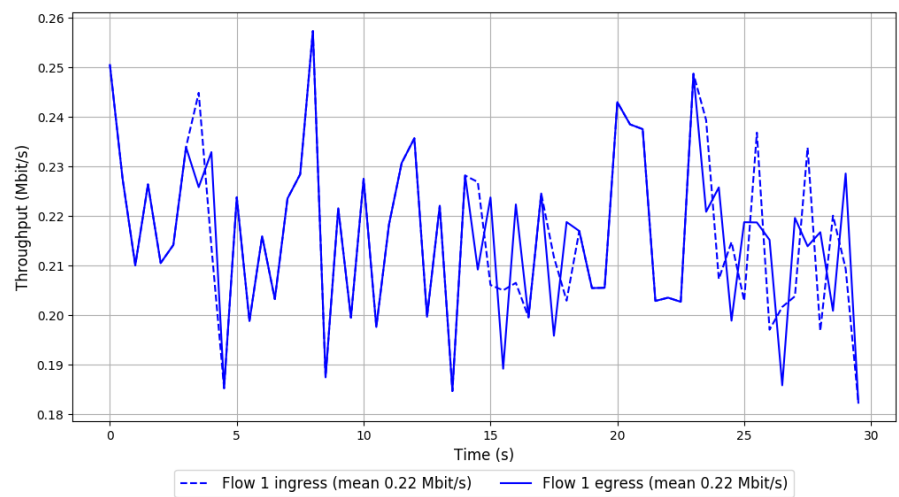


Run 10: Statistics of SCReAM

Start at: 2018-04-17 09:38:17
End at: 2018-04-17 09:38:48
Local clock offset: 0.032 ms
Remote clock offset: -5.292 ms

Below is generated by plot.py at 2018-04-17 12:26:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.144 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.144 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-04-17 05:57:55

End at: 2018-04-17 05:58:25

Local clock offset: -0.224 ms

Remote clock offset: -5.44 ms

Below is generated by plot.py at 2018-04-17 12:26:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 19.420 ms

Loss rate: 0.00%

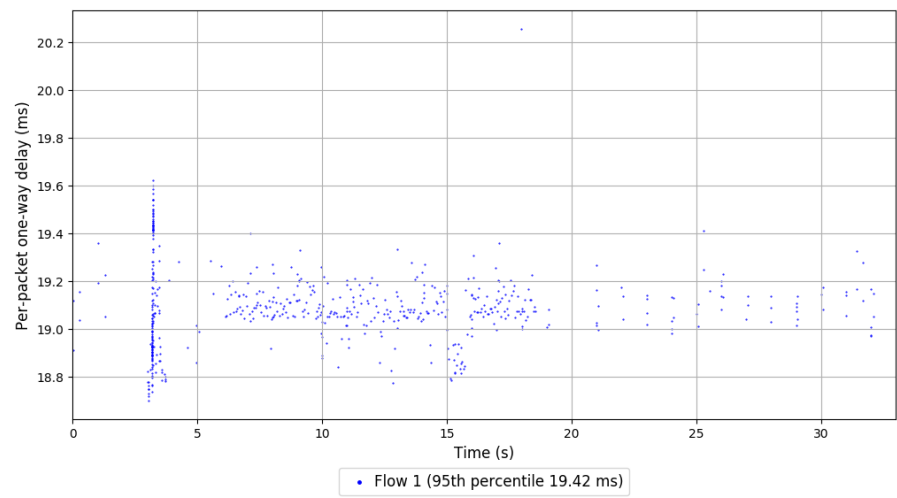
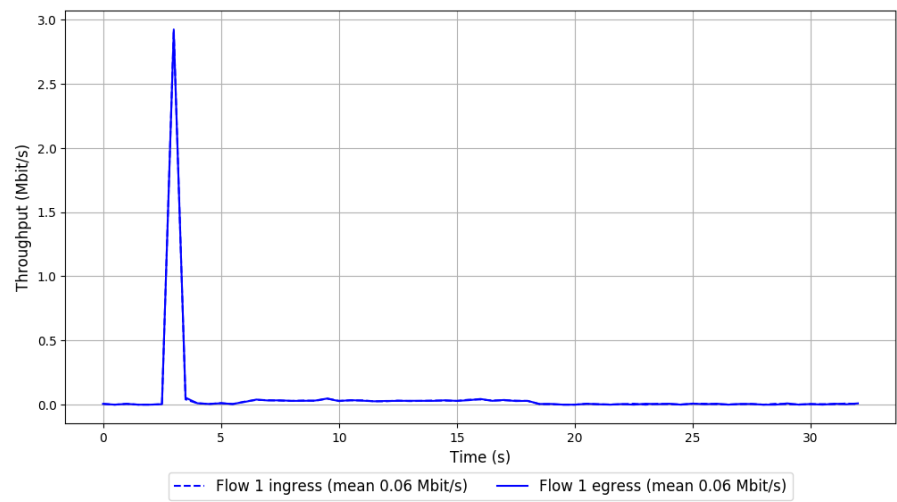
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 19.420 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-04-17 06:22:51

End at: 2018-04-17 06:23:21

Local clock offset: 0.176 ms

Remote clock offset: -6.6 ms

Below is generated by plot.py at 2018-04-17 12:26:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 19.206 ms

Loss rate: 0.00%

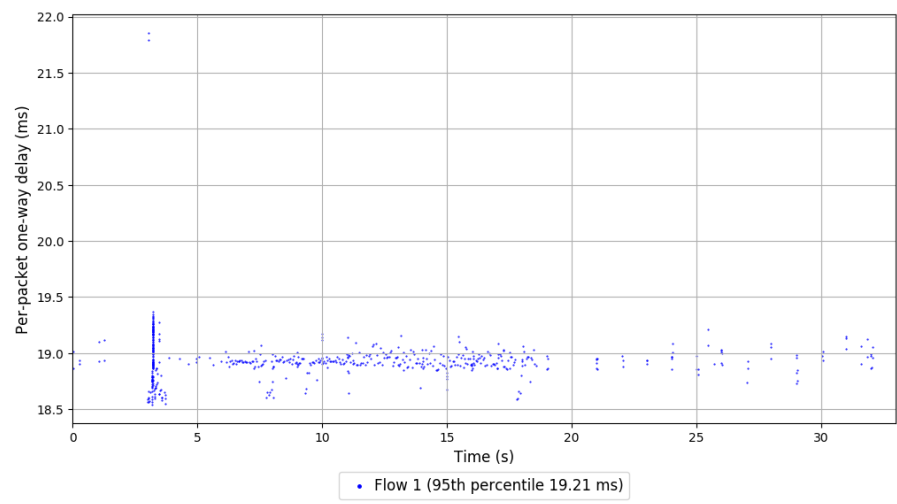
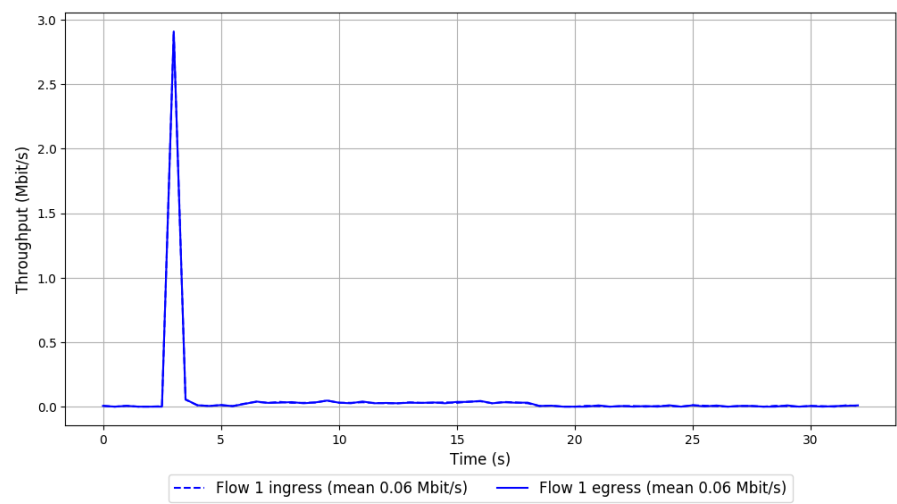
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 19.206 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

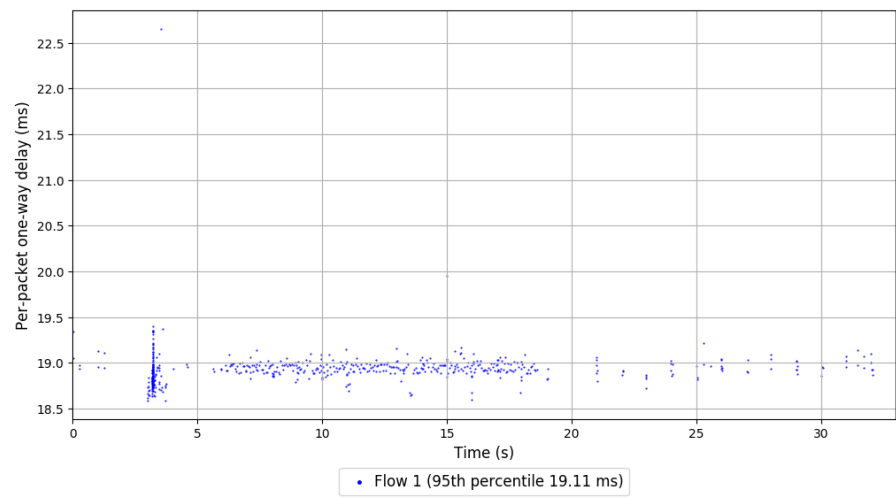
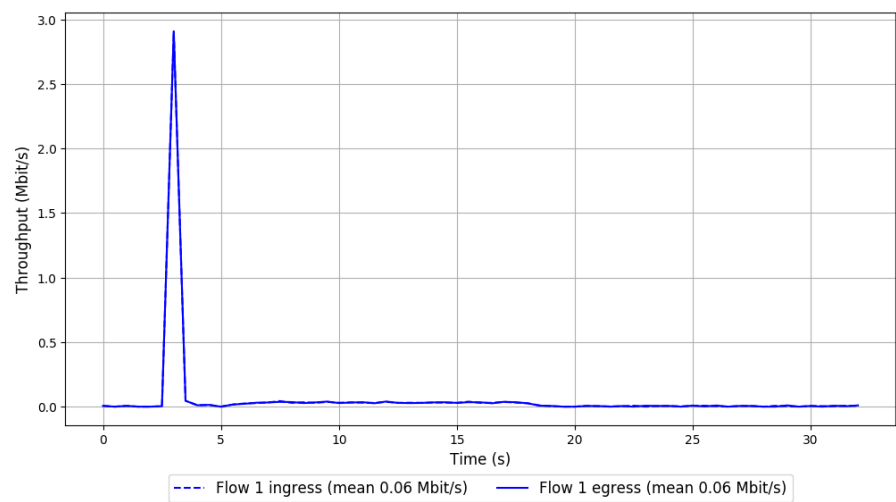


Run 3: Statistics of WebRTC media

Start at: 2018-04-17 06:47:55
End at: 2018-04-17 06:48:25
Local clock offset: 0.145 ms
Remote clock offset: -6.647 ms

Below is generated by plot.py at 2018-04-17 12:26:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.114 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.114 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-04-17 07:12:48

End at: 2018-04-17 07:13:18

Local clock offset: 0.028 ms

Remote clock offset: -6.56 ms

Below is generated by plot.py at 2018-04-17 12:26:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 20.478 ms

Loss rate: 0.00%

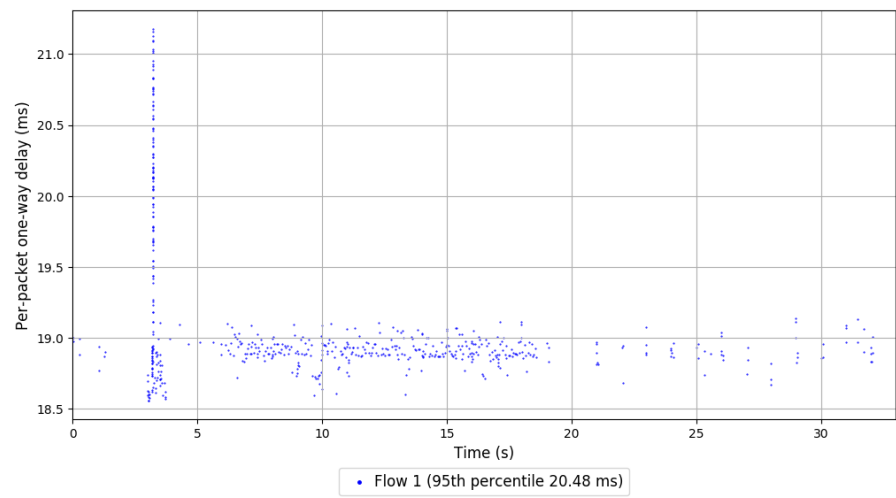
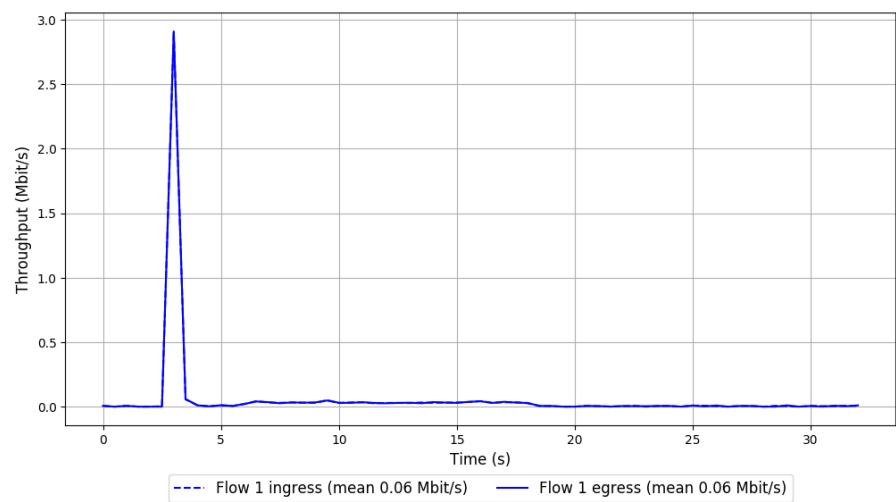
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 20.478 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

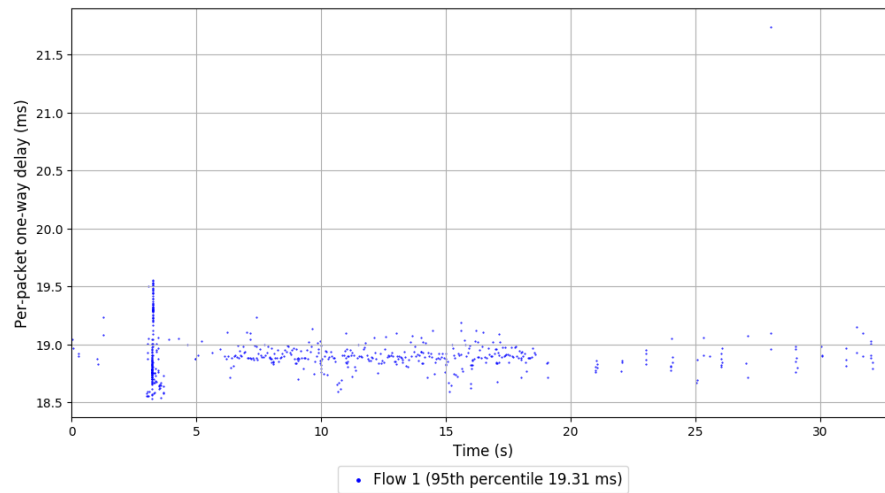
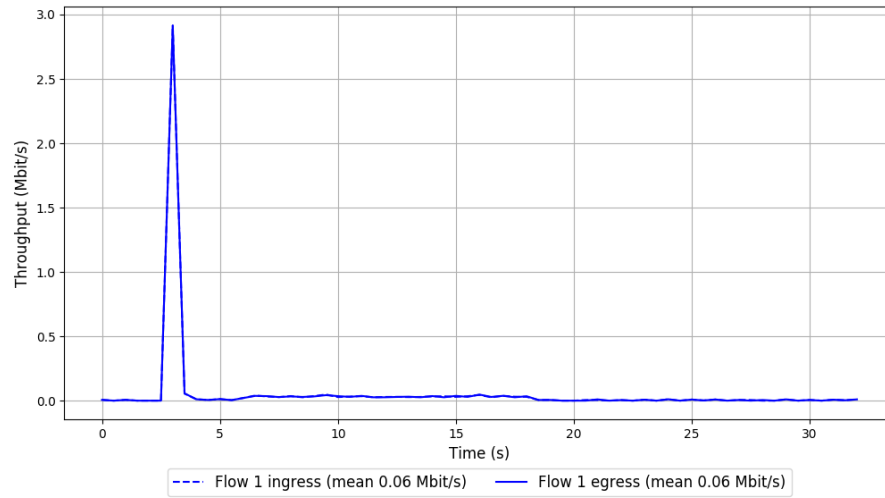


Run 5: Statistics of WebRTC media

Start at: 2018-04-17 07:37:43
End at: 2018-04-17 07:38:13
Local clock offset: -0.181 ms
Remote clock offset: -6.008 ms

Below is generated by plot.py at 2018-04-17 12:26:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.310 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.310 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

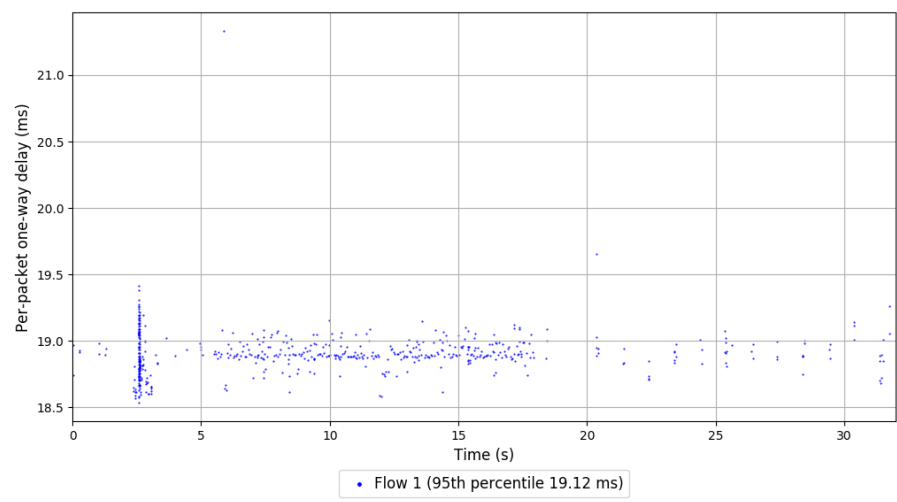
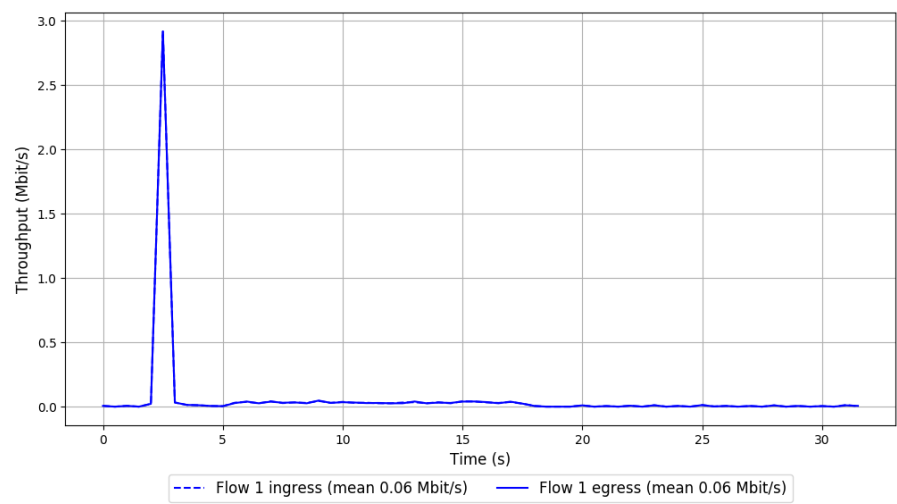


Run 6: Statistics of WebRTC media

Start at: 2018-04-17 08:03:05
End at: 2018-04-17 08:03:35
Local clock offset: 0.115 ms
Remote clock offset: -6.173 ms

Below is generated by plot.py at 2018-04-17 12:26:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.121 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.121 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-04-17 08:28:06

End at: 2018-04-17 08:28:36

Local clock offset: -0.132 ms

Remote clock offset: -5.85 ms

Below is generated by plot.py at 2018-04-17 12:26:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 17.683 ms

Loss rate: 0.00%

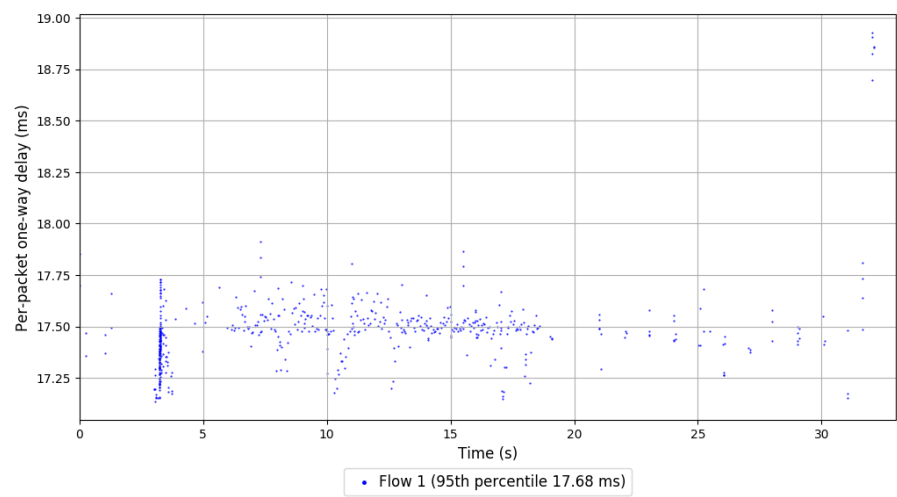
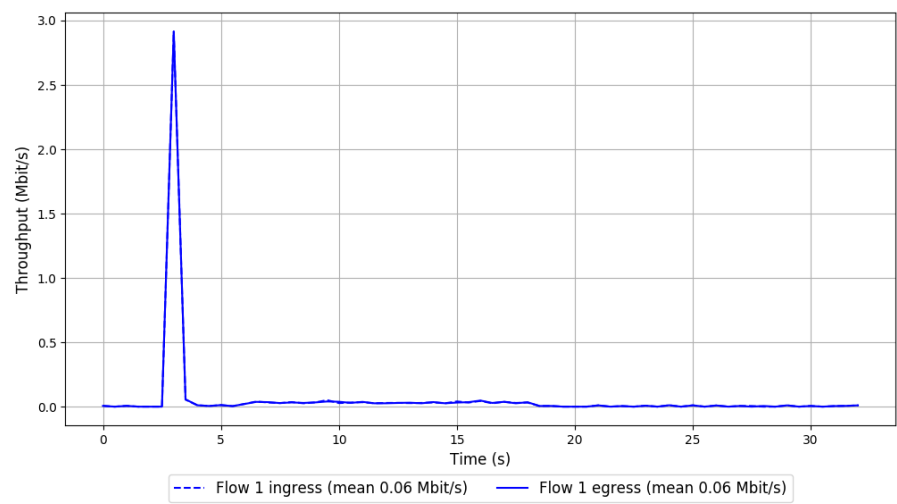
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 17.683 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

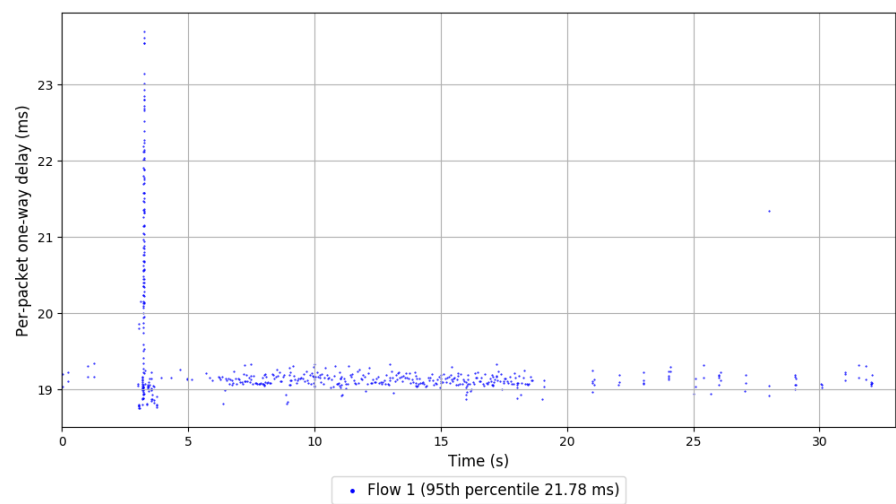
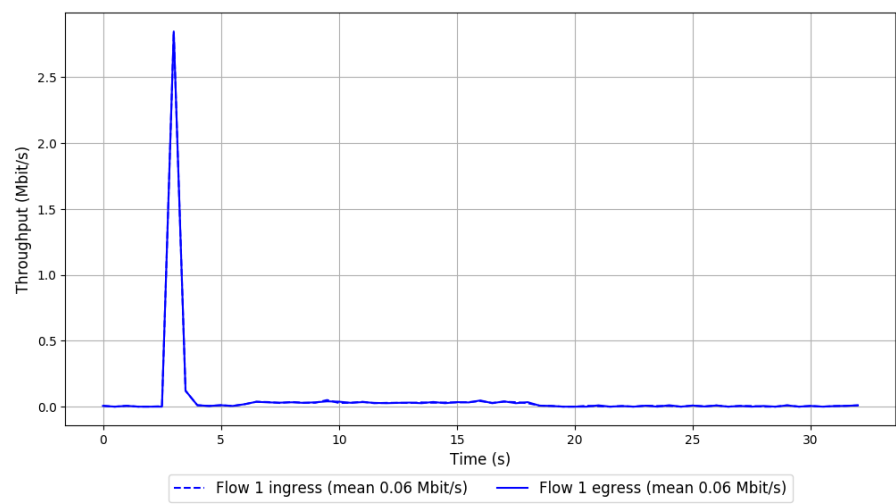


Run 8: Statistics of WebRTC media

Start at: 2018-04-17 08:52:48
End at: 2018-04-17 08:53:18
Local clock offset: -0.22 ms
Remote clock offset: -4.999 ms

Below is generated by plot.py at 2018-04-17 12:26:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 21.784 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 21.784 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

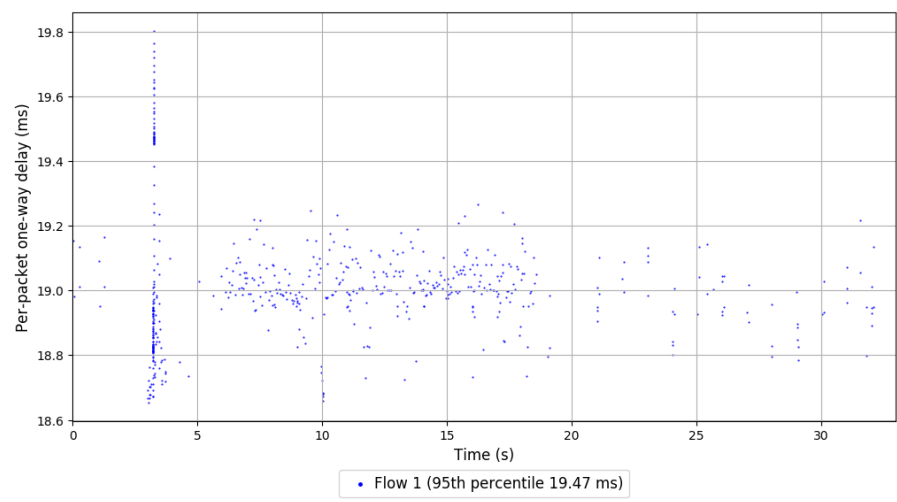
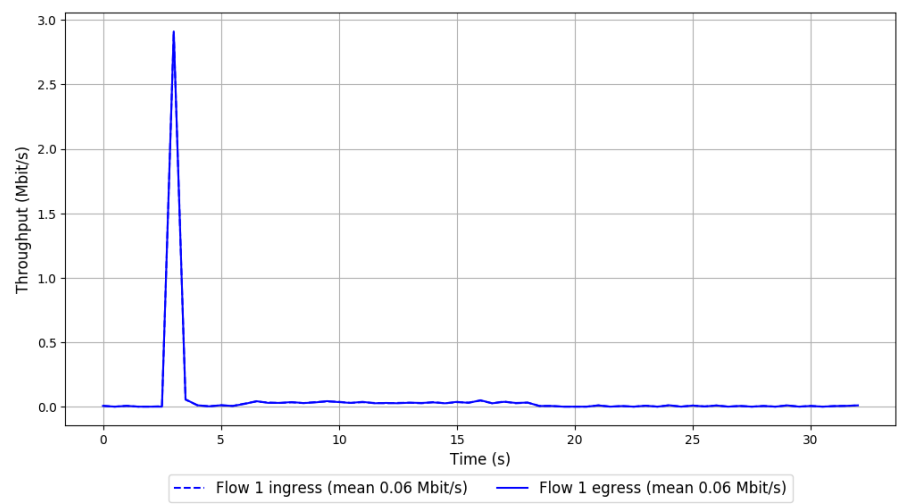


Run 9: Statistics of WebRTC media

Start at: 2018-04-17 09:17:35
End at: 2018-04-17 09:18:05
Local clock offset: -0.191 ms
Remote clock offset: -5.181 ms

Below is generated by plot.py at 2018-04-17 12:26:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.471 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.471 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-04-17 09:42:50

End at: 2018-04-17 09:43:20

Local clock offset: 0.121 ms

Remote clock offset: -5.239 ms

Below is generated by plot.py at 2018-04-17 12:26:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 20.547 ms

Loss rate: 0.00%

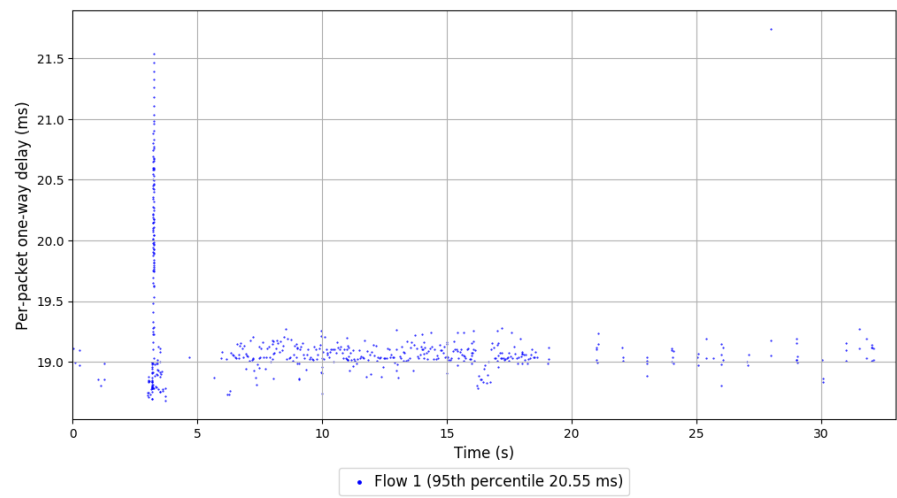
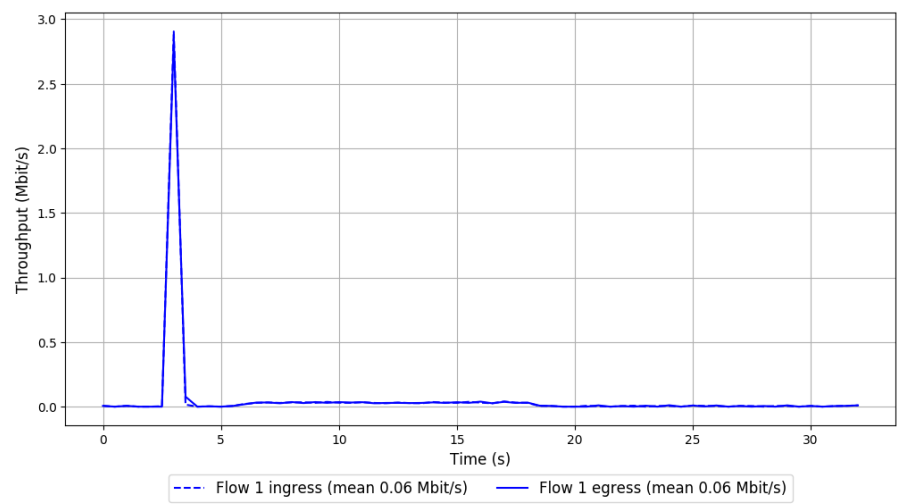
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 20.547 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

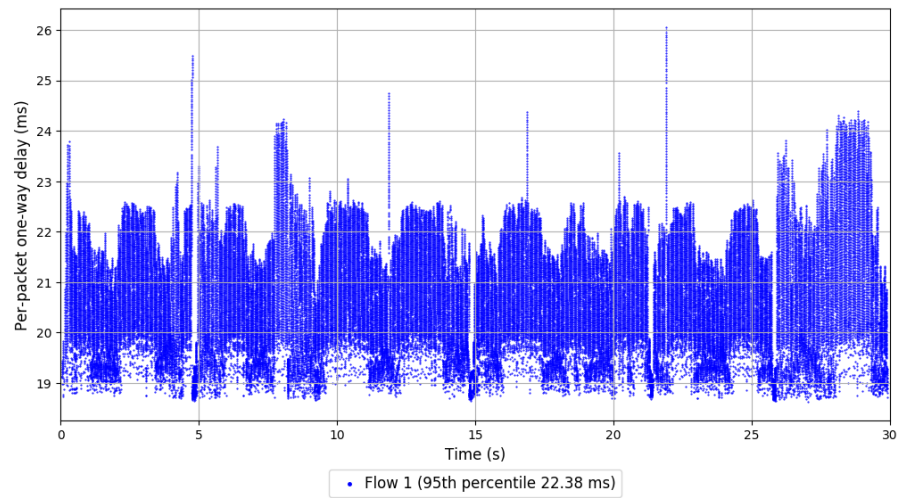
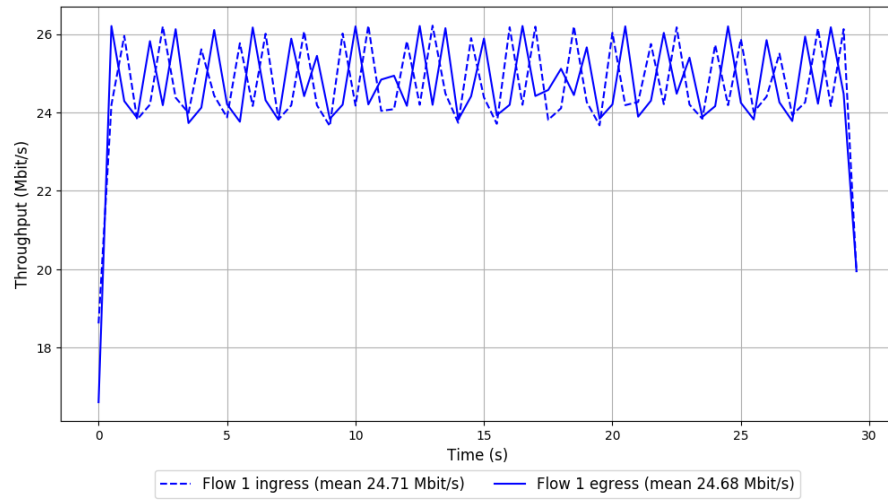


Run 1: Statistics of Sprout

Start at: 2018-04-17 05:46:12
End at: 2018-04-17 05:46:42
Local clock offset: -0.069 ms
Remote clock offset: -5.612 ms

Below is generated by plot.py at 2018-04-17 12:26:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 22.384 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 22.384 ms
Loss rate: 0.11%

Run 1: Report of Sprout — Data Link

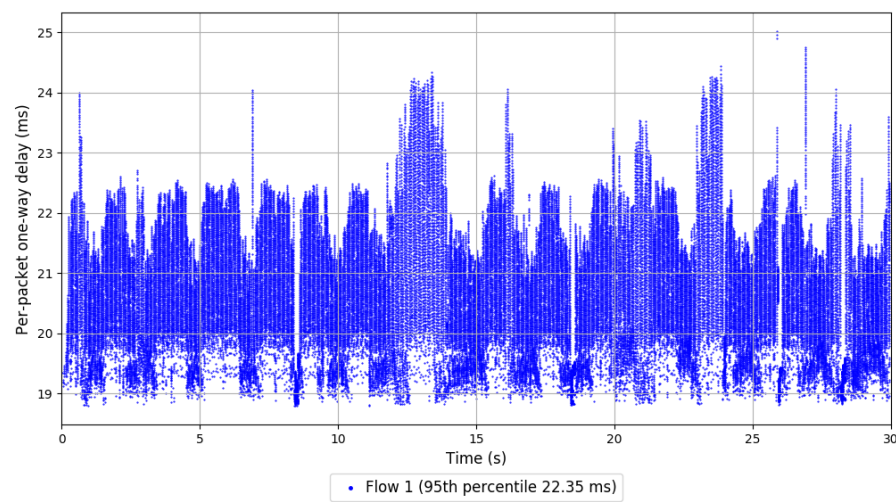
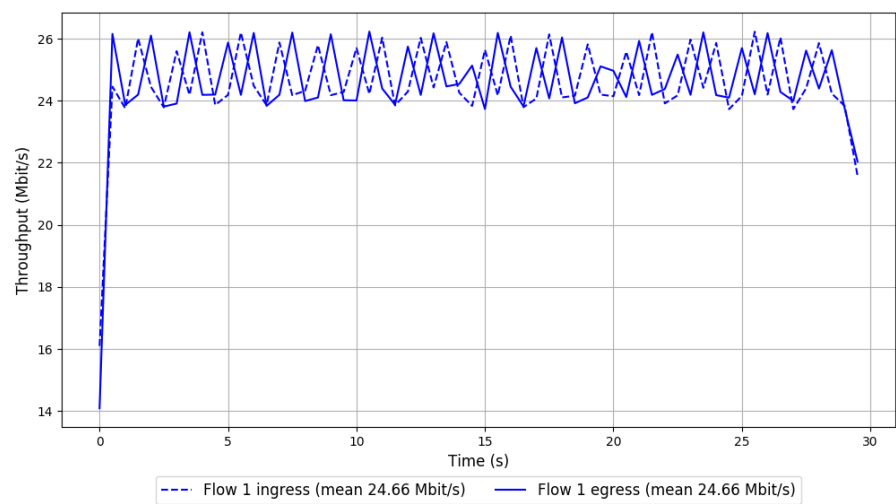


Run 2: Statistics of Sprout

Start at: 2018-04-17 06:11:18
End at: 2018-04-17 06:11:48
Local clock offset: -0.001 ms
Remote clock offset: -5.956 ms

Below is generated by plot.py at 2018-04-17 12:26:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 22.353 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 22.353 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

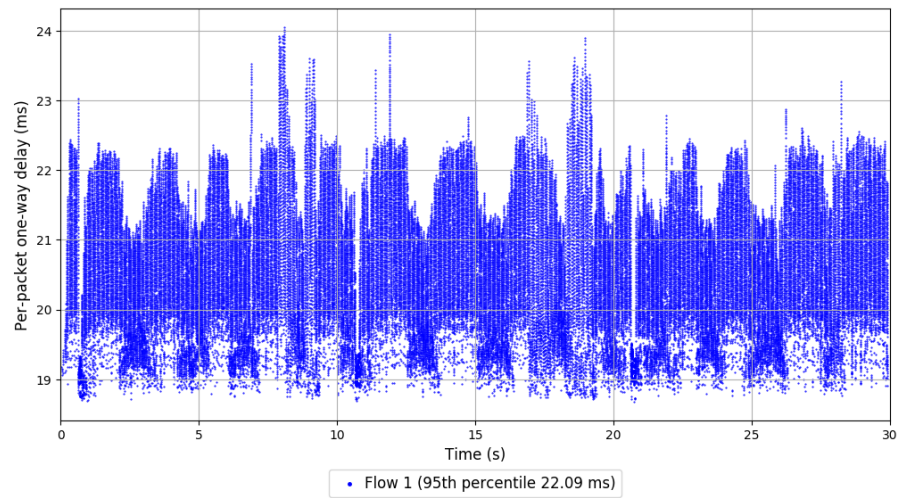
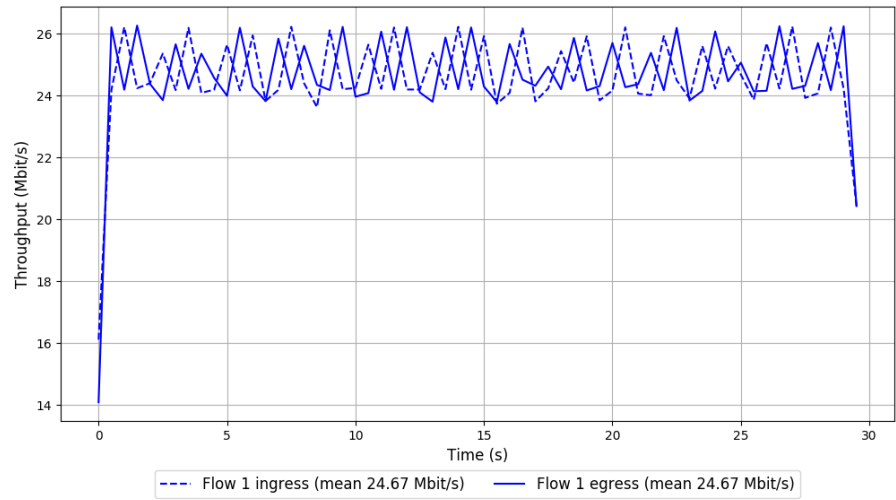


Run 3: Statistics of Sprout

Start at: 2018-04-17 06:36:15
End at: 2018-04-17 06:36:45
Local clock offset: 0.164 ms
Remote clock offset: -6.838 ms

Below is generated by plot.py at 2018-04-17 12:26:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 22.091 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 22.091 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-04-17 07:01:22

End at: 2018-04-17 07:01:52

Local clock offset: 0.06 ms

Remote clock offset: -6.5 ms

Below is generated by plot.py at 2018-04-17 12:26:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.56 Mbit/s

95th percentile per-packet one-way delay: 20.485 ms

Loss rate: 0.00%

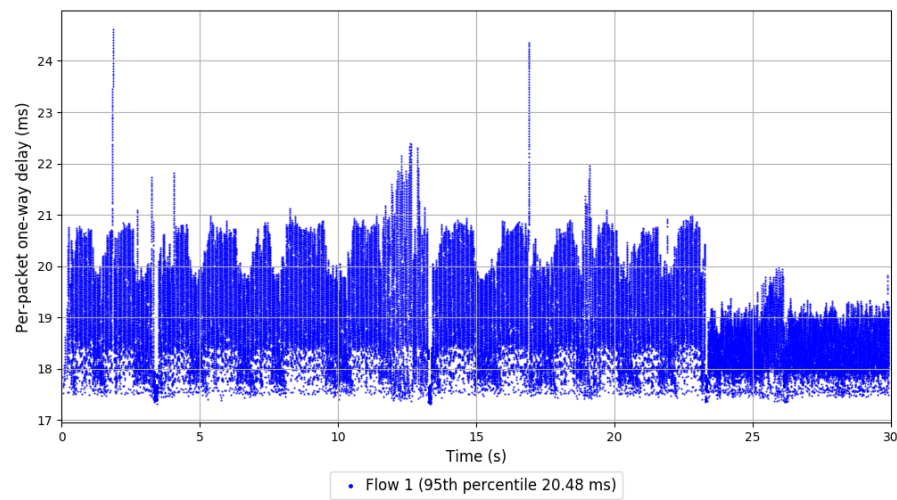
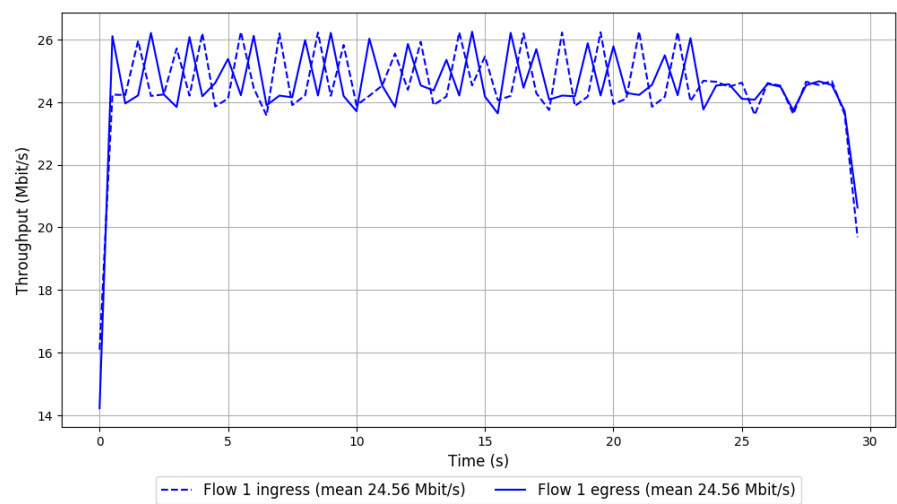
-- Flow 1:

Average throughput: 24.56 Mbit/s

95th percentile per-packet one-way delay: 20.485 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

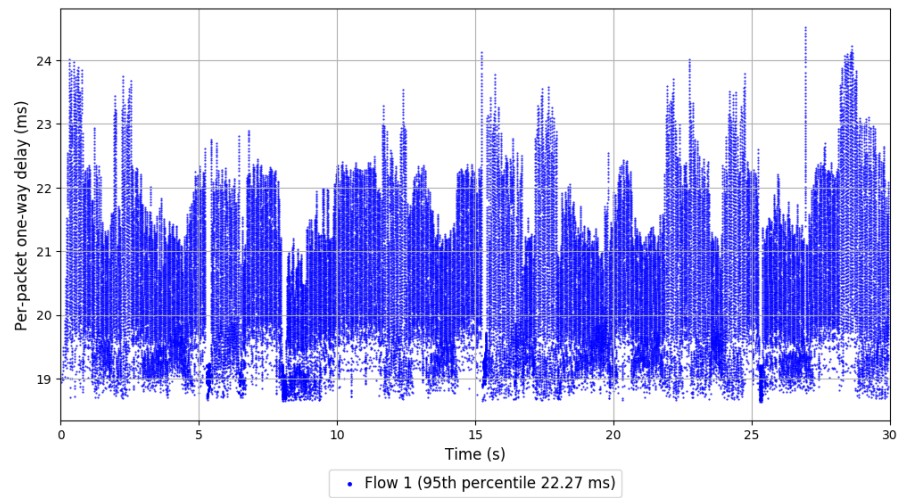
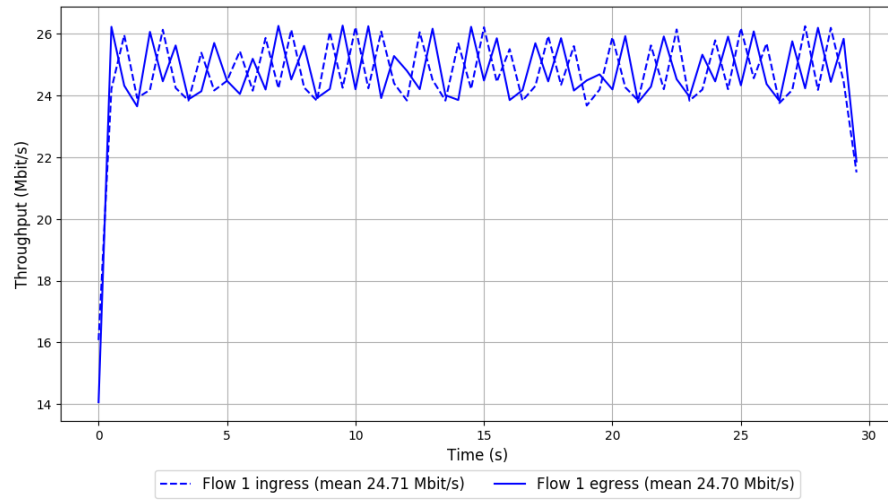


Run 5: Statistics of Sprout

Start at: 2018-04-17 07:26:10
End at: 2018-04-17 07:26:40
Local clock offset: -0.119 ms
Remote clock offset: -6.109 ms

Below is generated by plot.py at 2018-04-17 12:26:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 22.270 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 22.270 ms
Loss rate: 0.01%

Run 5: Report of Sprout — Data Link

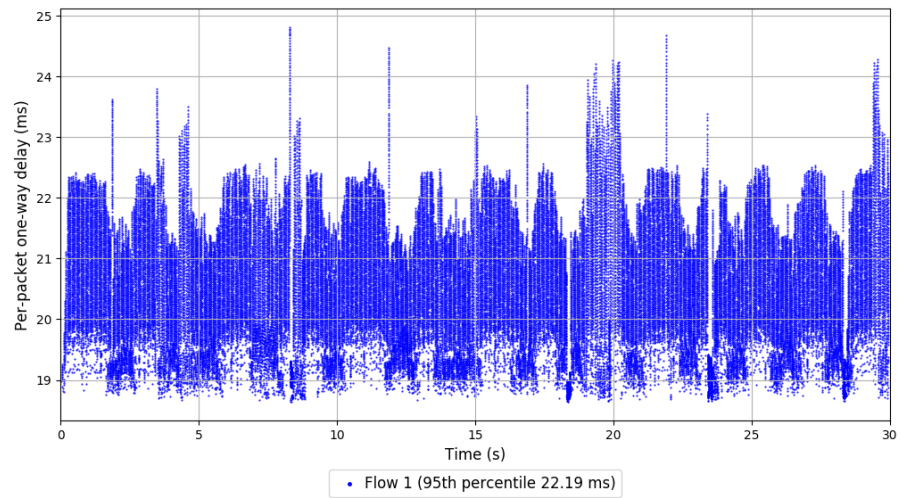
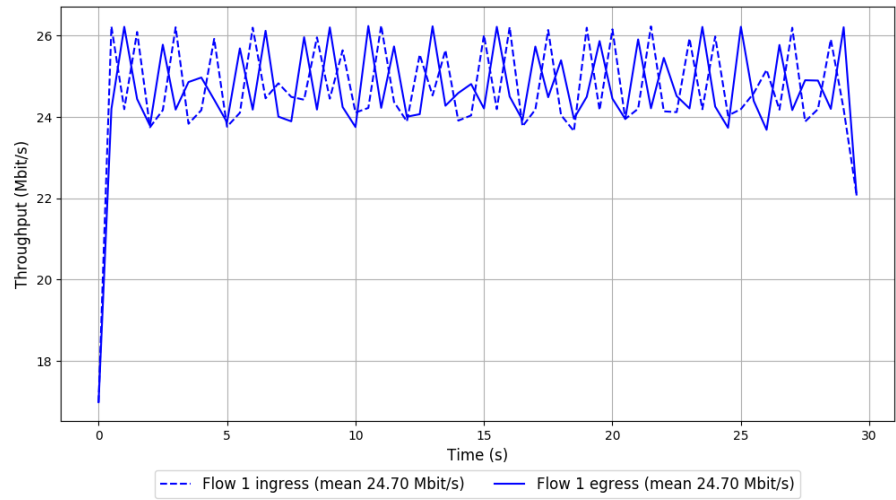


Run 6: Statistics of Sprout

Start at: 2018-04-17 07:51:06
End at: 2018-04-17 07:51:36
Local clock offset: 0.034 ms
Remote clock offset: -6.014 ms

Below is generated by plot.py at 2018-04-17 12:26:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 22.188 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 22.188 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

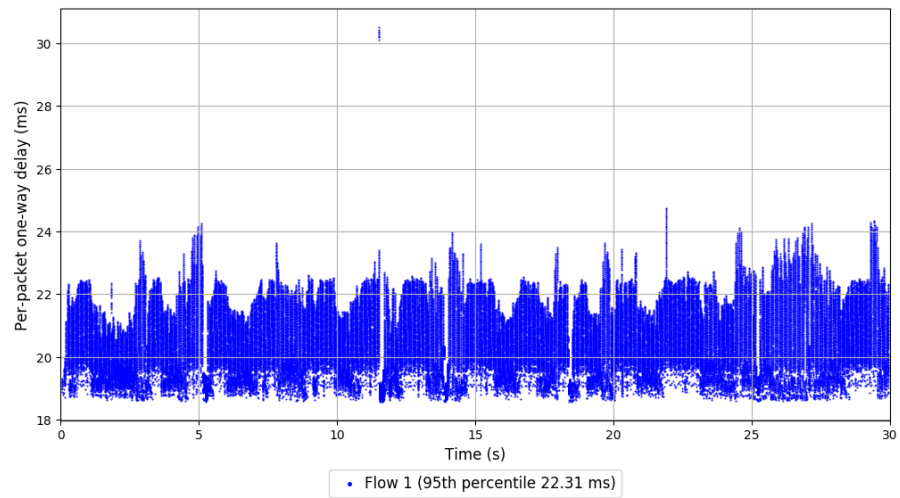
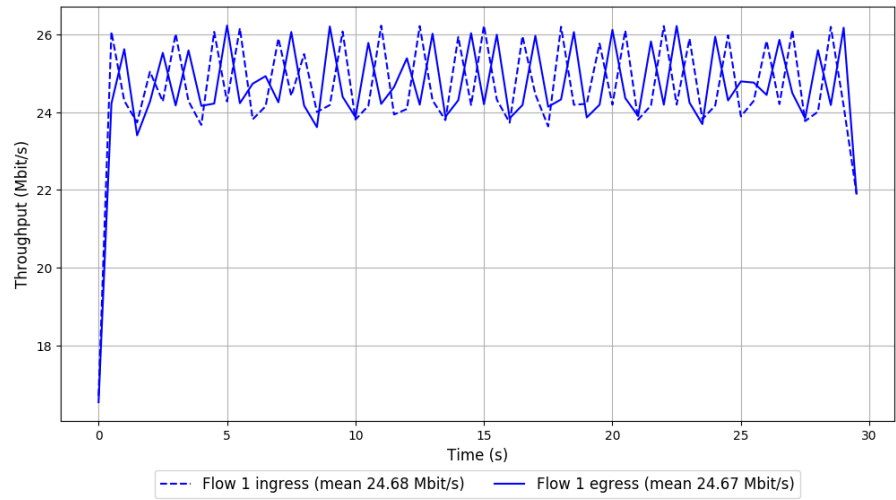


Run 7: Statistics of Sprout

Start at: 2018-04-17 08:16:29
End at: 2018-04-17 08:16:59
Local clock offset: 0.044 ms
Remote clock offset: -6.236 ms

Below is generated by plot.py at 2018-04-17 12:26:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 22.313 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 22.313 ms
Loss rate: 0.03%

Run 7: Report of Sprout — Data Link

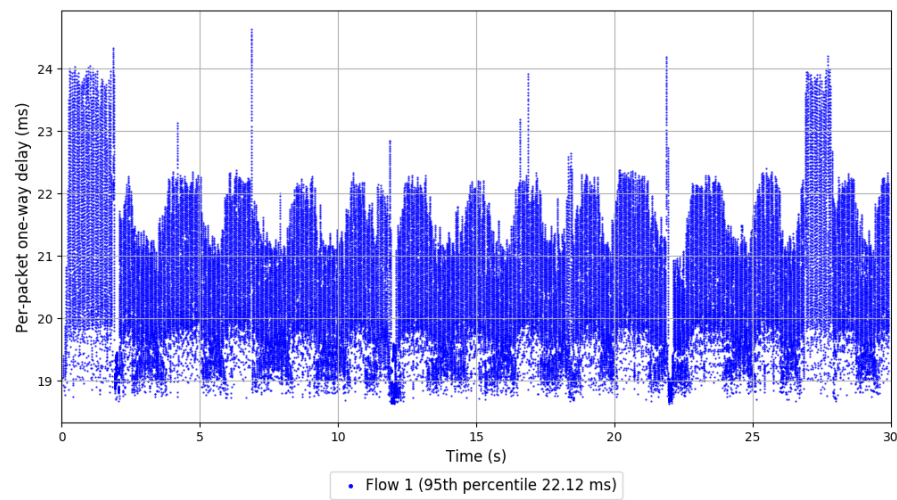
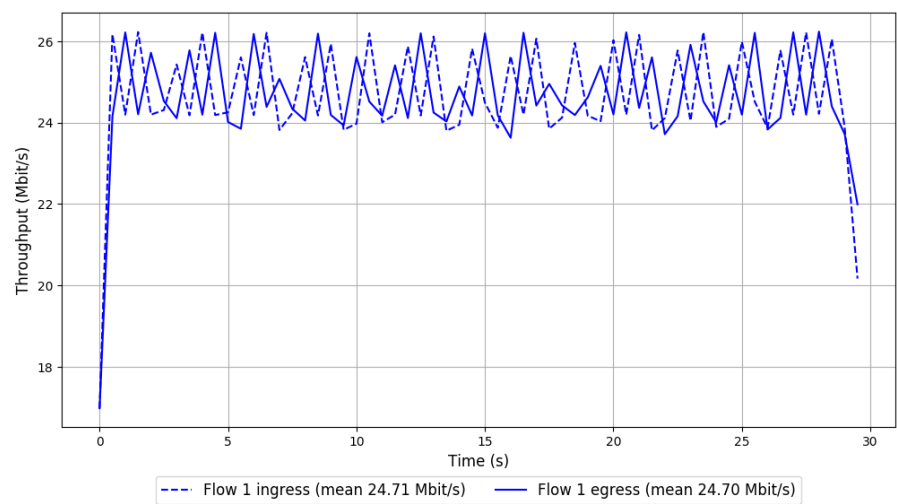


Run 8: Statistics of Sprout

Start at: 2018-04-17 08:41:22
End at: 2018-04-17 08:41:52
Local clock offset: -0.087 ms
Remote clock offset: -5.276 ms

Below is generated by plot.py at 2018-04-17 12:26:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 22.117 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 22.117 ms
Loss rate: 0.04%

Run 8: Report of Sprout — Data Link

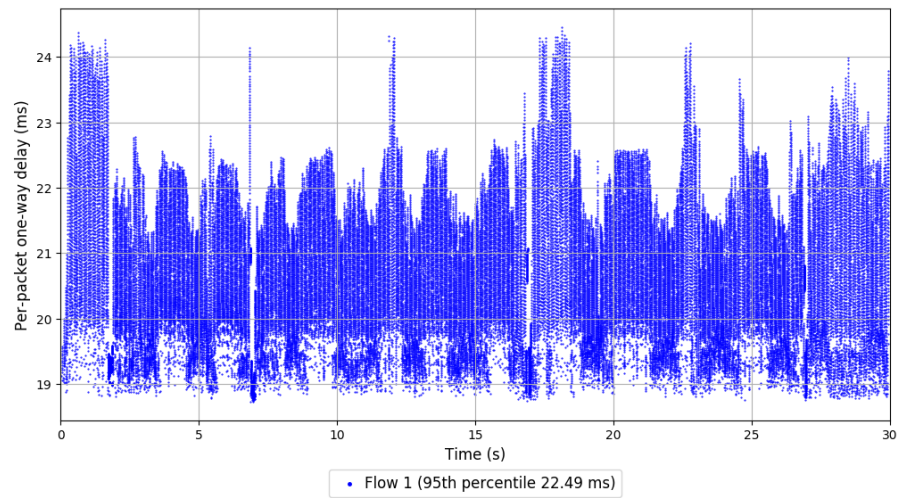
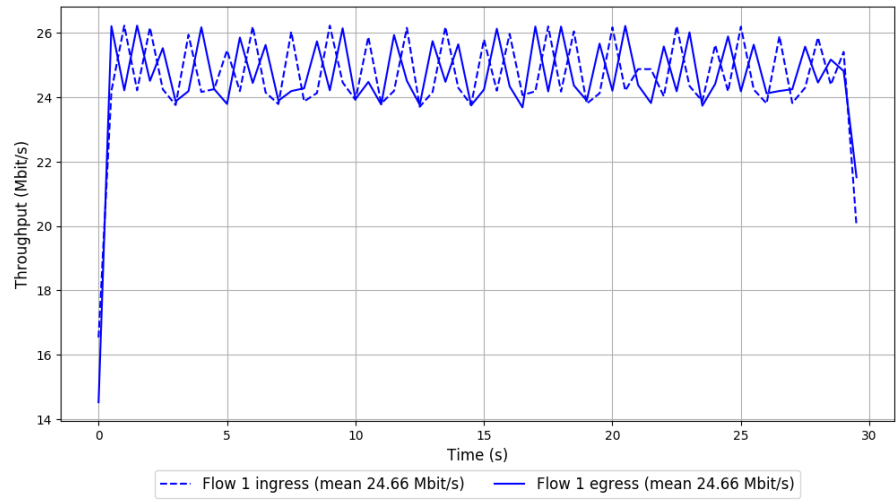


Run 9: Statistics of Sprout

Start at: 2018-04-17 09:06:07
End at: 2018-04-17 09:06:37
Local clock offset: -0.106 ms
Remote clock offset: -5.079 ms

Below is generated by plot.py at 2018-04-17 12:26:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 22.487 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 22.487 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-04-17 09:30:55

End at: 2018-04-17 09:31:25

Local clock offset: 0.018 ms

Remote clock offset: -5.1 ms

Below is generated by plot.py at 2018-04-17 12:26:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.68 Mbit/s

95th percentile per-packet one-way delay: 22.796 ms

Loss rate: 0.00%

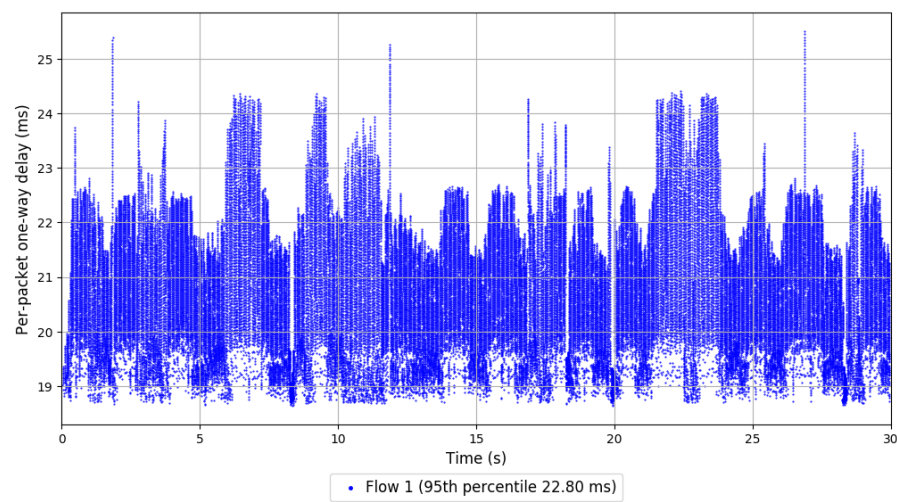
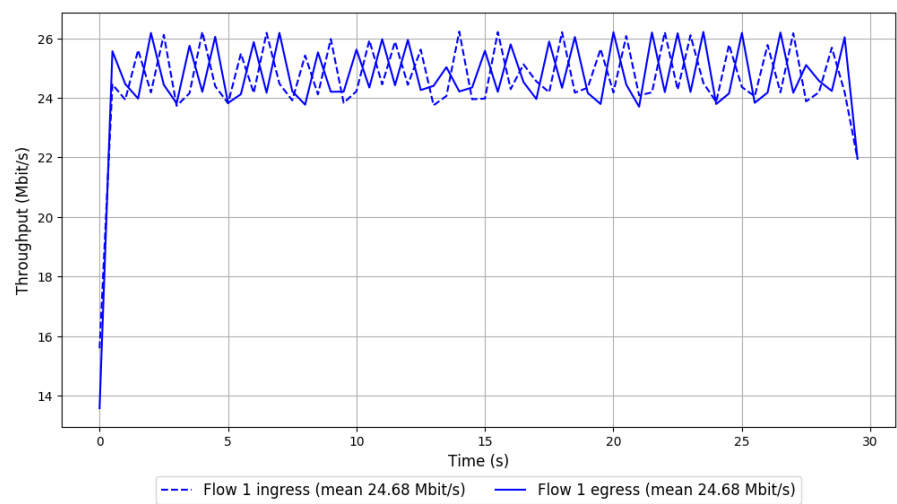
-- Flow 1:

Average throughput: 24.68 Mbit/s

95th percentile per-packet one-way delay: 22.796 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-04-17 05:37:06

End at: 2018-04-17 05:37:36

Local clock offset: -0.035 ms

Remote clock offset: -6.012 ms

Below is generated by plot.py at 2018-04-17 12:26:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.21 Mbit/s

95th percentile per-packet one-way delay: 17.427 ms

Loss rate: 0.00%

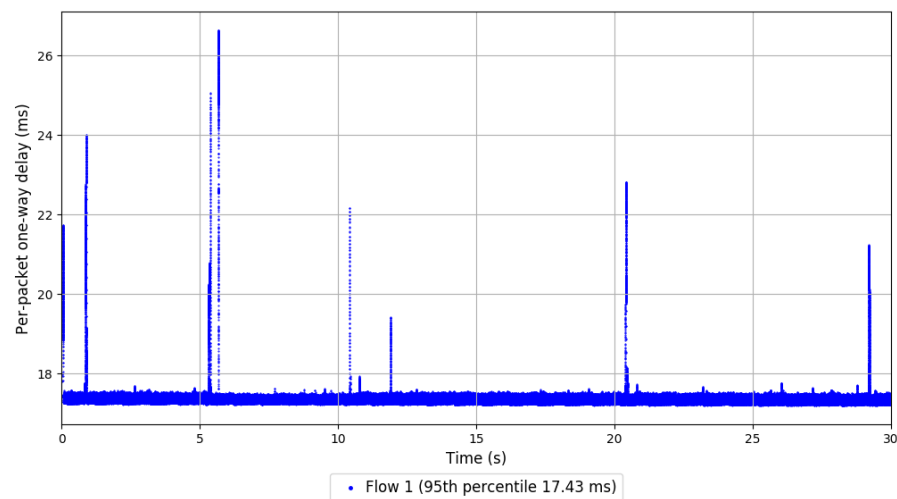
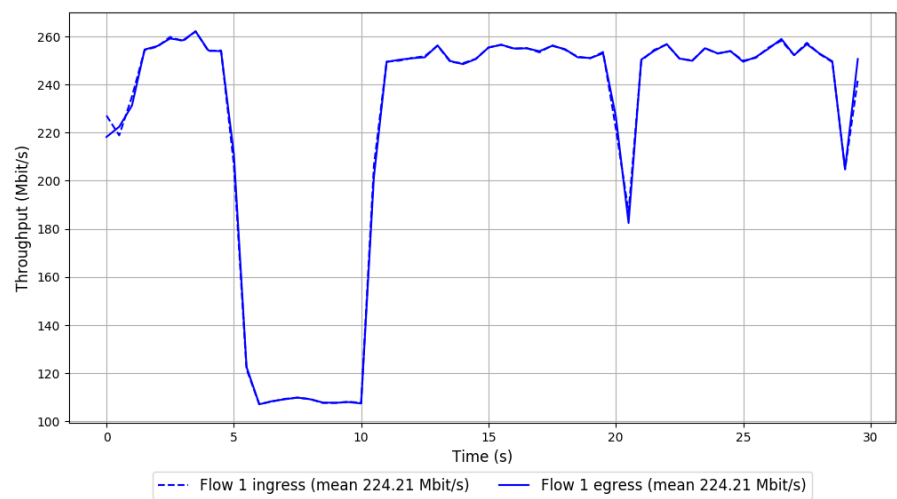
-- Flow 1:

Average throughput: 224.21 Mbit/s

95th percentile per-packet one-way delay: 17.427 ms

Loss rate: 0.00%

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

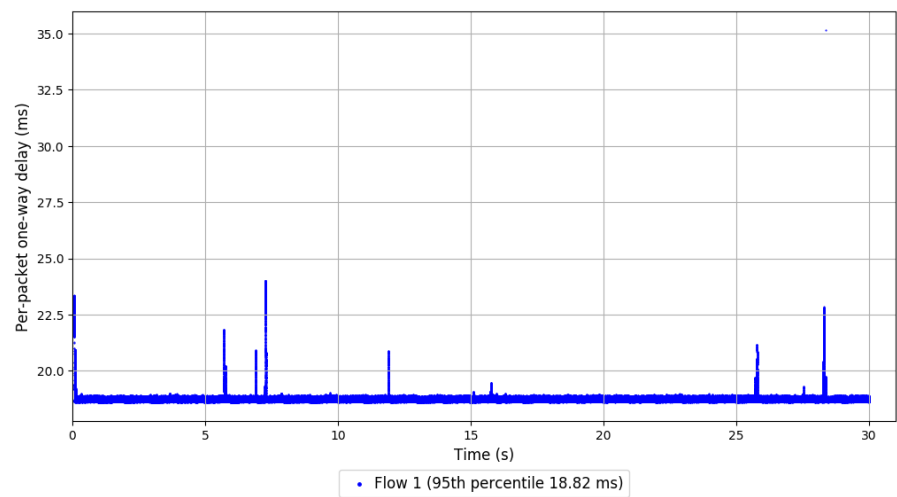
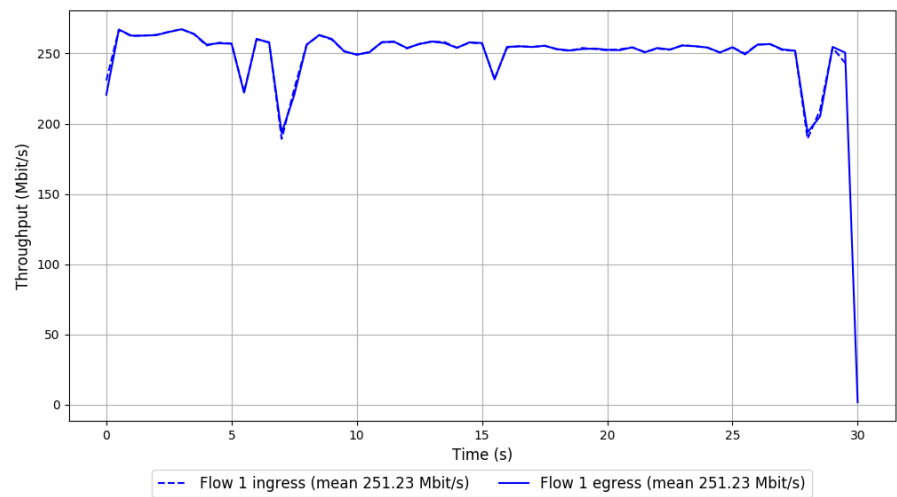


Run 2: Statistics of TaoVA-100x

Start at: 2018-04-17 06:02:11
End at: 2018-04-17 06:02:41
Local clock offset: -0.011 ms
Remote clock offset: -5.493 ms

Below is generated by plot.py at 2018-04-17 12:26:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 251.23 Mbit/s
95th percentile per-packet one-way delay: 18.820 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 251.23 Mbit/s
95th percentile per-packet one-way delay: 18.820 ms
Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-04-17 06:27:09

End at: 2018-04-17 06:27:39

Local clock offset: 0.171 ms

Remote clock offset: -6.637 ms

Below is generated by plot.py at 2018-04-17 12:26:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 240.44 Mbit/s

95th percentile per-packet one-way delay: 18.926 ms

Loss rate: 0.00%

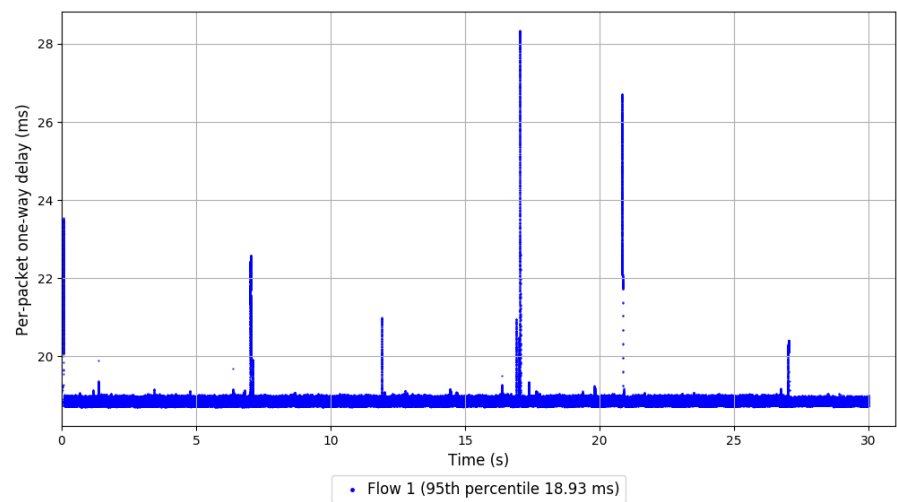
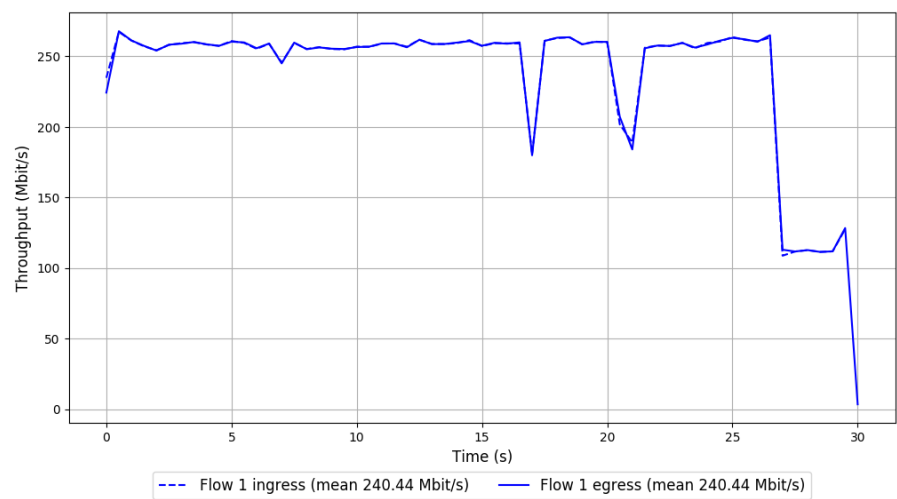
-- Flow 1:

Average throughput: 240.44 Mbit/s

95th percentile per-packet one-way delay: 18.926 ms

Loss rate: 0.00%

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

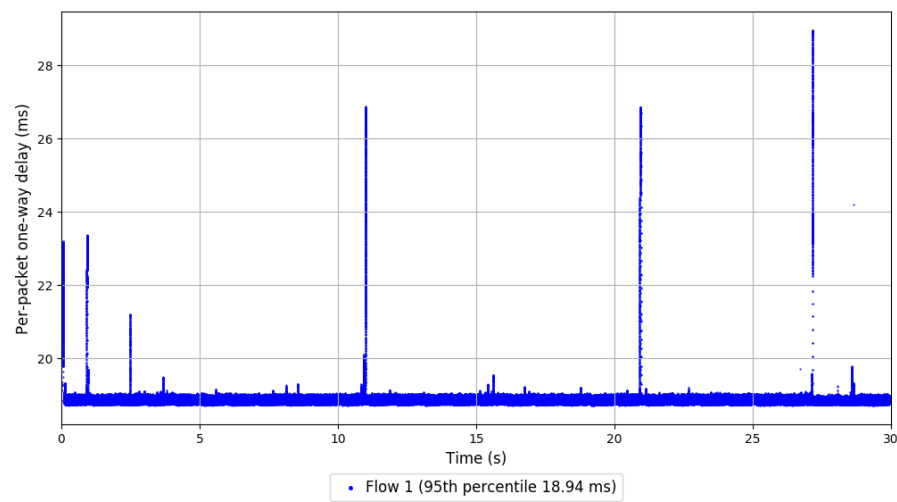
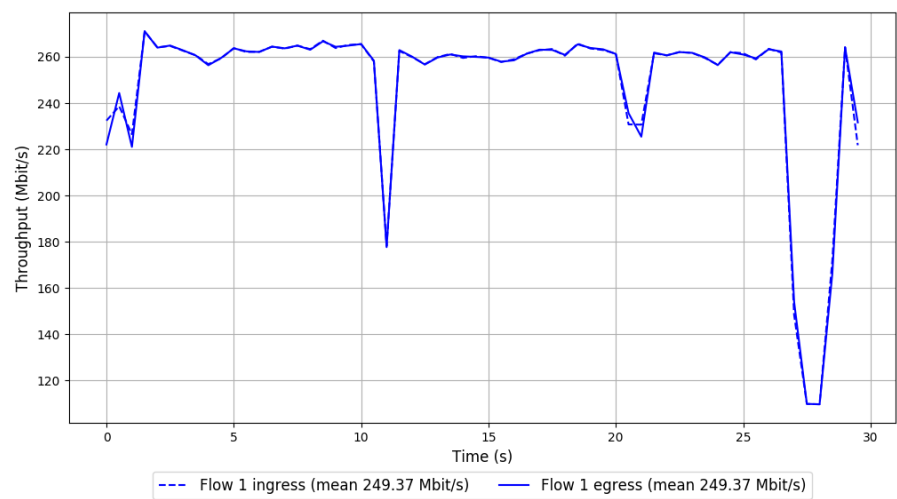


Run 4: Statistics of TaoVA-100x

Start at: 2018-04-17 06:52:15
End at: 2018-04-17 06:52:45
Local clock offset: 0.055 ms
Remote clock offset: -6.556 ms

Below is generated by plot.py at 2018-04-17 12:26:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 249.37 Mbit/s
95th percentile per-packet one-way delay: 18.941 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 249.37 Mbit/s
95th percentile per-packet one-way delay: 18.941 ms
Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-04-17 07:17:00

End at: 2018-04-17 07:17:30

Local clock offset: -0.093 ms

Remote clock offset: -6.39 ms

Below is generated by plot.py at 2018-04-17 12:26:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 264.26 Mbit/s

95th percentile per-packet one-way delay: 18.884 ms

Loss rate: 0.00%

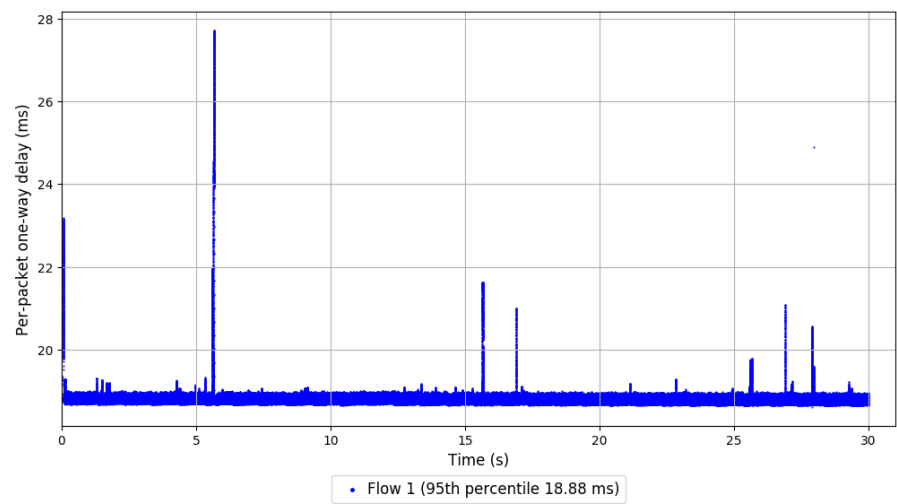
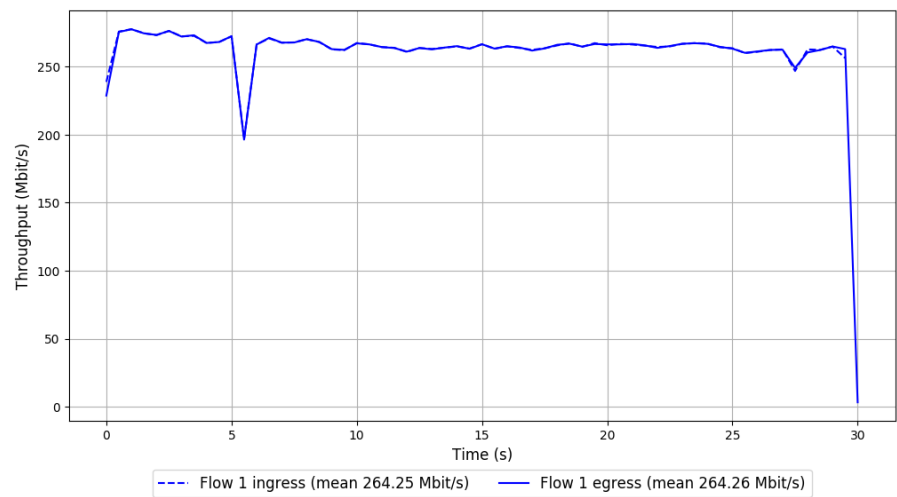
-- Flow 1:

Average throughput: 264.26 Mbit/s

95th percentile per-packet one-way delay: 18.884 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-04-17 07:41:56

End at: 2018-04-17 07:42:26

Local clock offset: -0.181 ms

Remote clock offset: -6.008 ms

Below is generated by plot.py at 2018-04-17 12:26:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 265.34 Mbit/s

95th percentile per-packet one-way delay: 18.813 ms

Loss rate: 0.00%

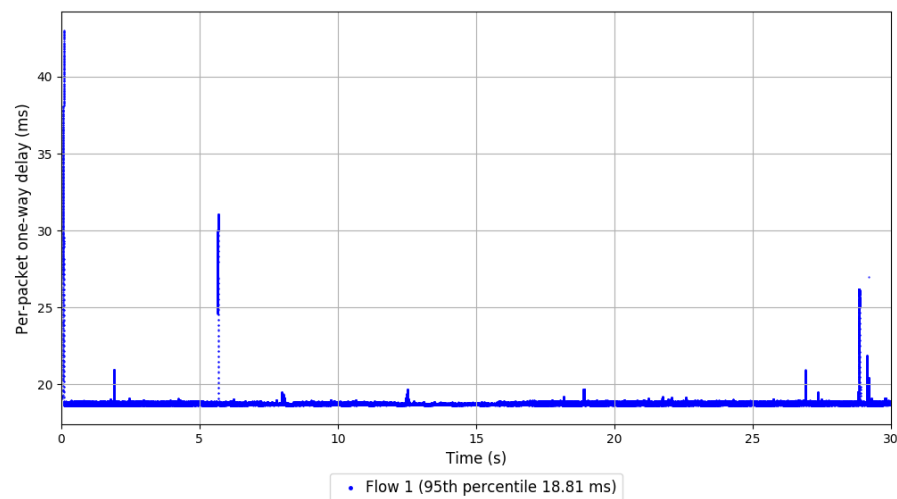
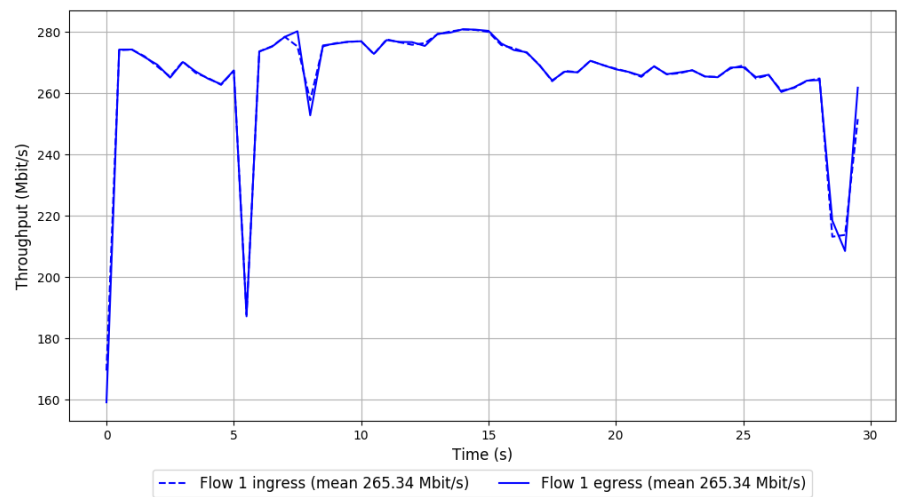
-- Flow 1:

Average throughput: 265.34 Mbit/s

95th percentile per-packet one-way delay: 18.813 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-04-17 08:07:14

End at: 2018-04-17 08:07:44

Local clock offset: 0.114 ms

Remote clock offset: -6.175 ms

Below is generated by plot.py at 2018-04-17 12:32:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 269.59 Mbit/s

95th percentile per-packet one-way delay: 18.800 ms

Loss rate: 0.00%

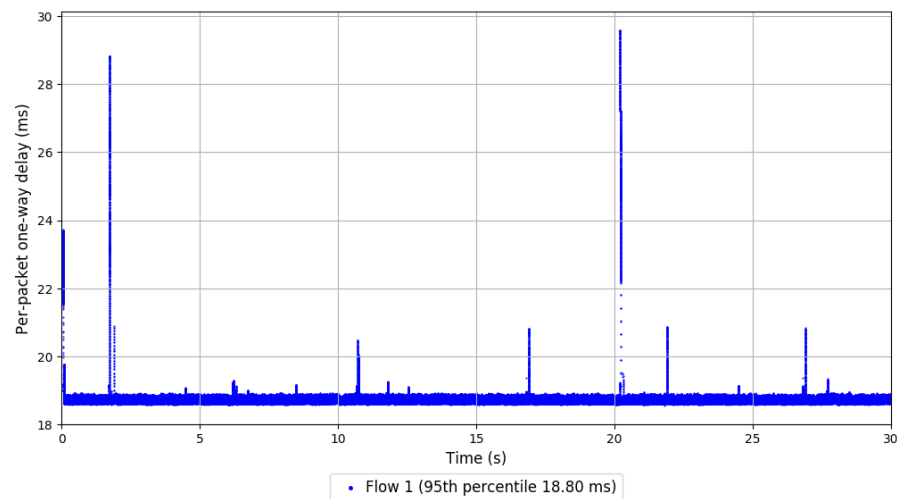
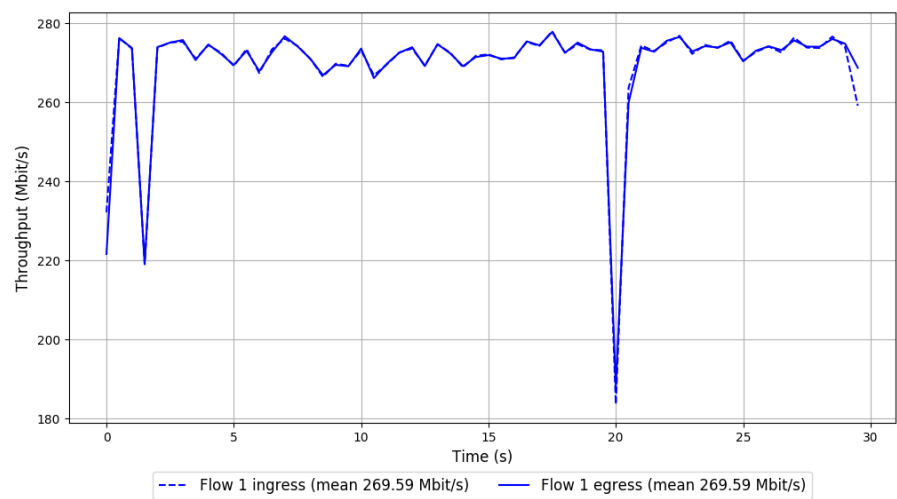
-- Flow 1:

Average throughput: 269.59 Mbit/s

95th percentile per-packet one-way delay: 18.800 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-04-17 08:32:10

End at: 2018-04-17 08:32:40

Local clock offset: -0.158 ms

Remote clock offset: -5.64 ms

Below is generated by plot.py at 2018-04-17 12:32:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 266.44 Mbit/s

95th percentile per-packet one-way delay: 18.885 ms

Loss rate: 0.00%

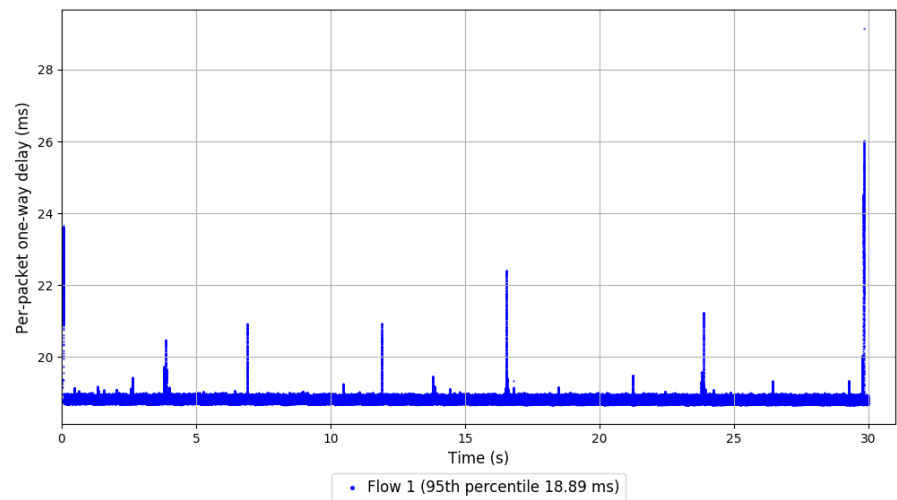
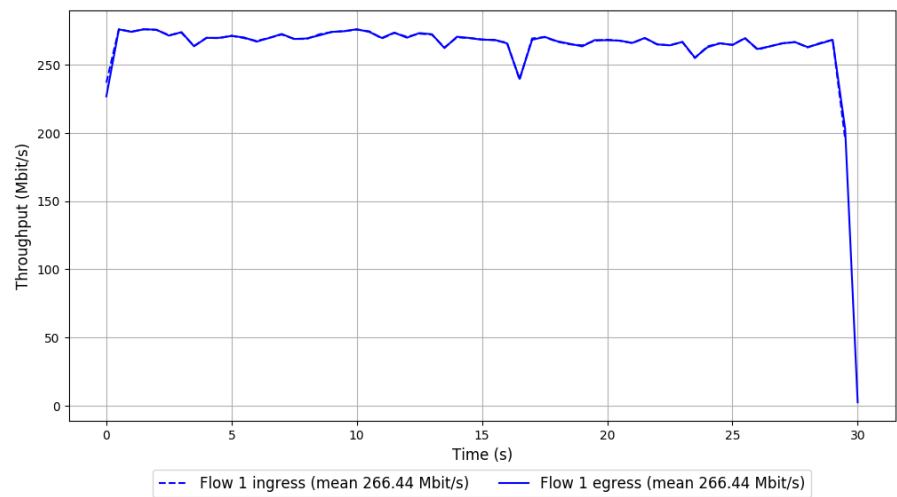
-- Flow 1:

Average throughput: 266.44 Mbit/s

95th percentile per-packet one-way delay: 18.885 ms

Loss rate: 0.00%

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

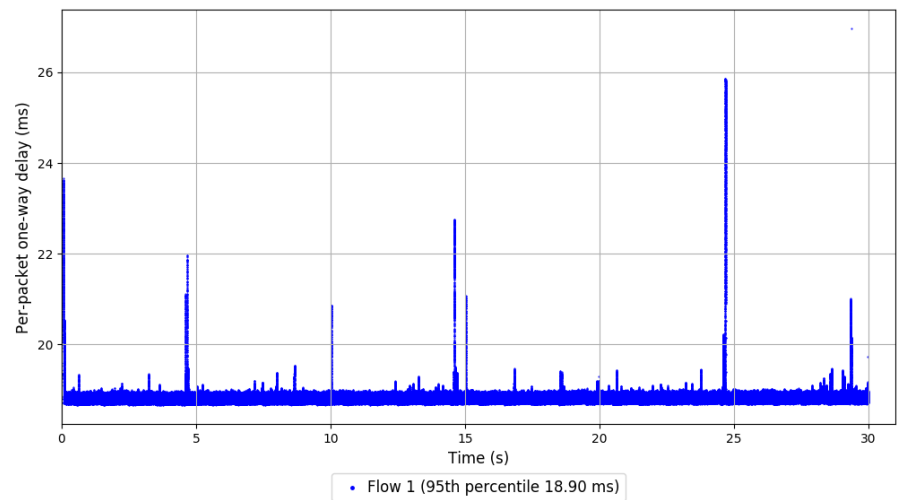
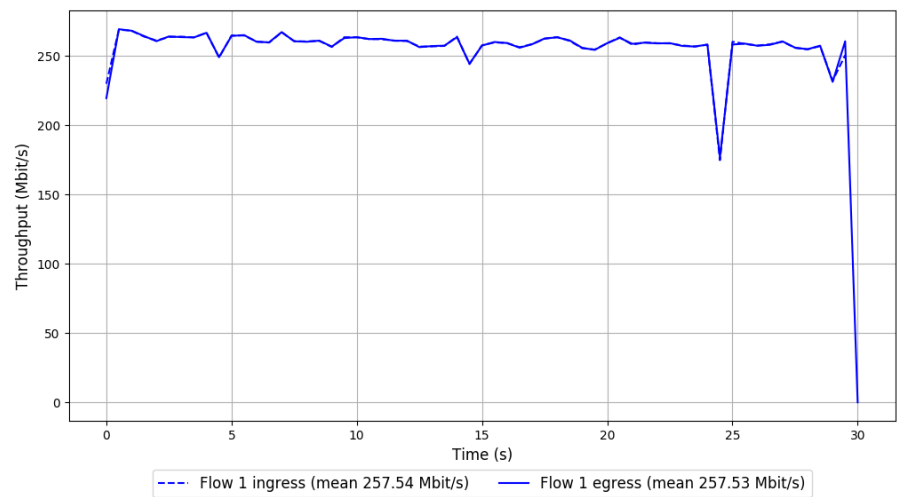


Run 9: Statistics of TaoVA-100x

Start at: 2018-04-17 08:56:59
End at: 2018-04-17 08:57:29
Local clock offset: -0.201 ms
Remote clock offset: -5.077 ms

Below is generated by plot.py at 2018-04-17 12:32:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 257.53 Mbit/s
95th percentile per-packet one-way delay: 18.902 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 257.53 Mbit/s
95th percentile per-packet one-way delay: 18.902 ms
Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-04-17 09:21:46

End at: 2018-04-17 09:22:16

Local clock offset: -0.124 ms

Remote clock offset: -5.09 ms

Below is generated by plot.py at 2018-04-17 12:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 264.90 Mbit/s

95th percentile per-packet one-way delay: 18.887 ms

Loss rate: 0.00%

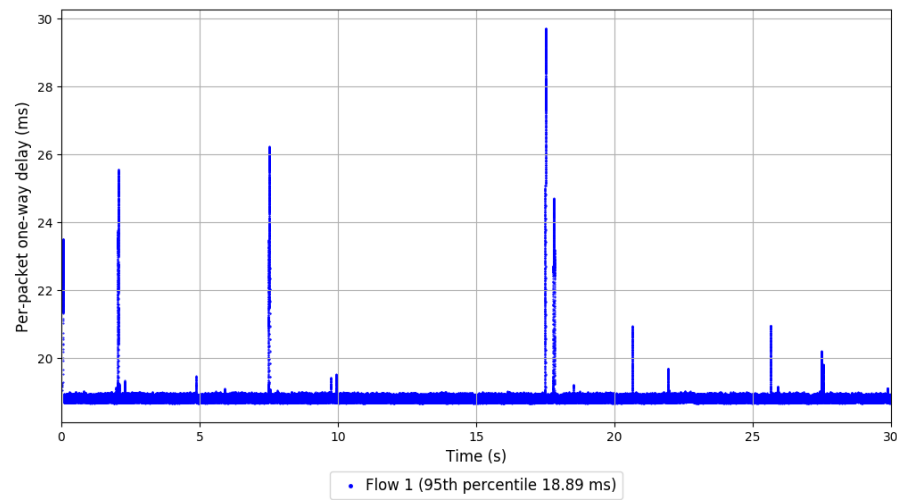
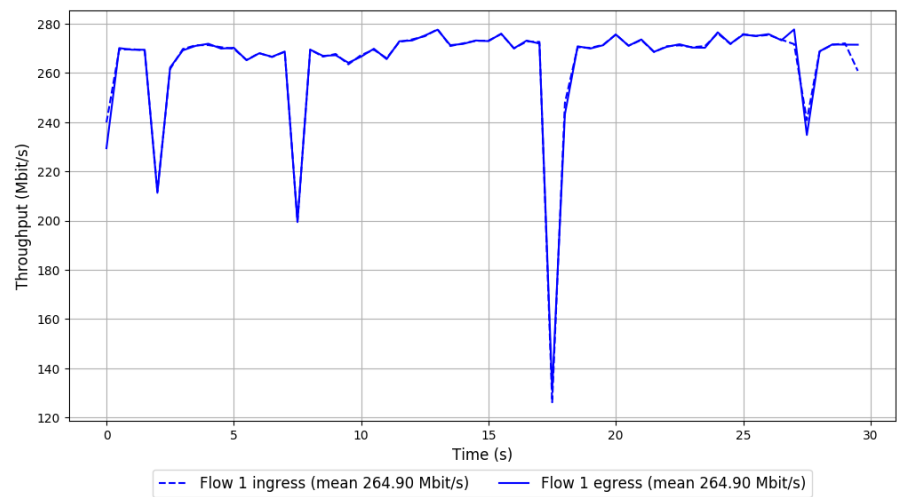
-- Flow 1:

Average throughput: 264.90 Mbit/s

95th percentile per-packet one-way delay: 18.887 ms

Loss rate: 0.00%

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

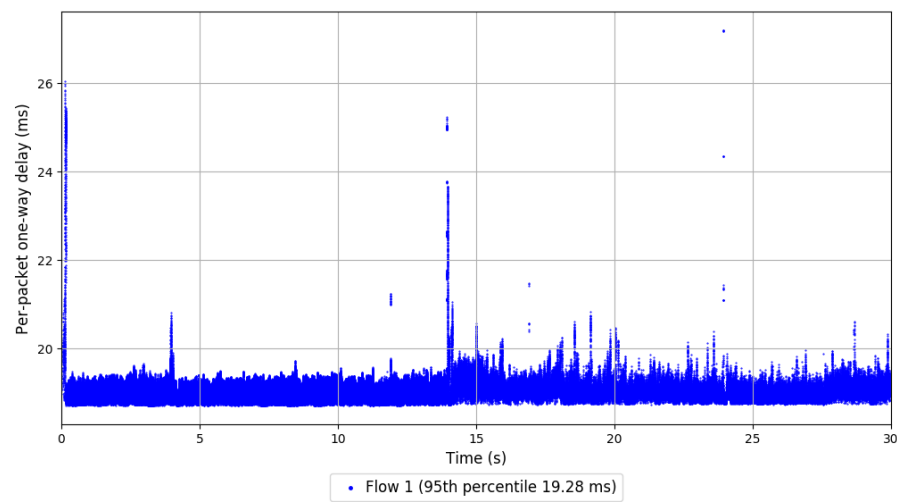
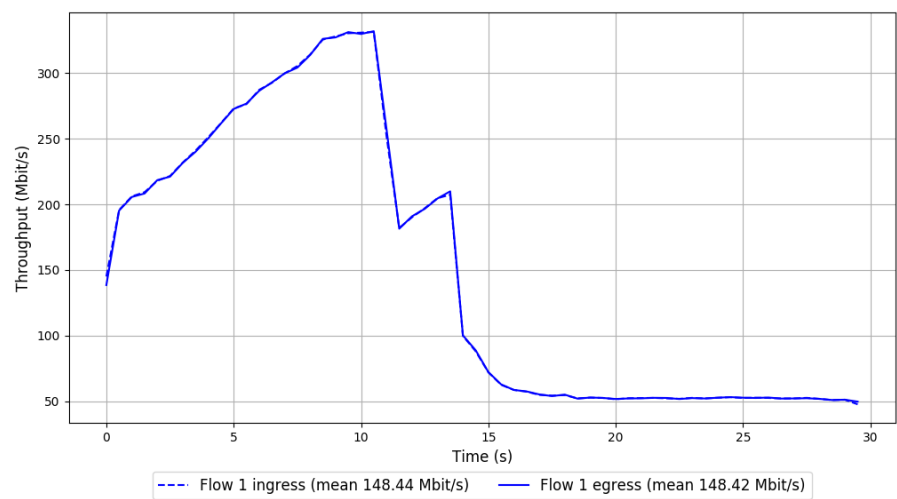


Run 1: Statistics of TCP Vegas

Start at: 2018-04-17 05:59:12
End at: 2018-04-17 05:59:42
Local clock offset: -0.093 ms
Remote clock offset: -5.384 ms

Below is generated by plot.py at 2018-04-17 12:33:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 148.42 Mbit/s
95th percentile per-packet one-way delay: 19.282 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 148.42 Mbit/s
95th percentile per-packet one-way delay: 19.282 ms
Loss rate: 0.01%

Run 1: Report of TCP Vegas — Data Link

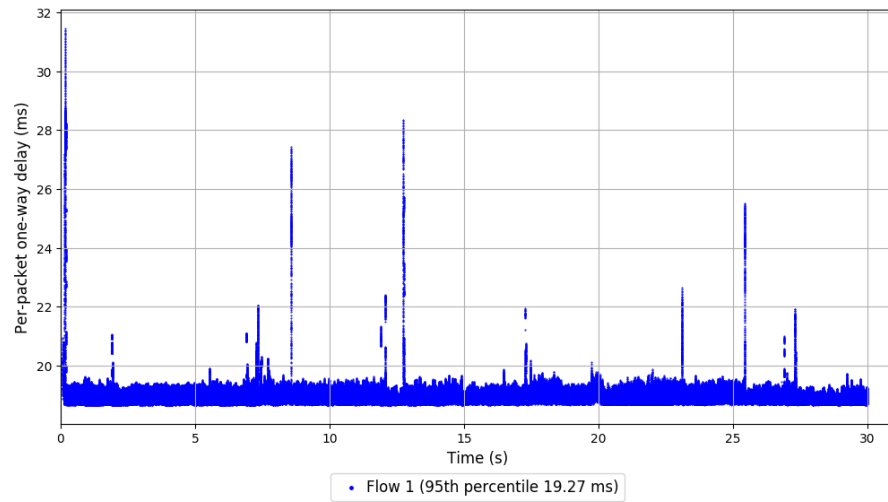
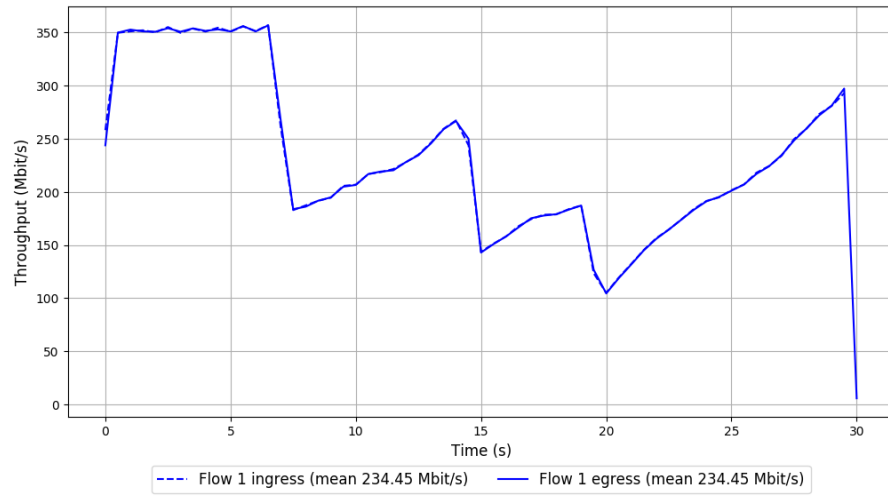


Run 2: Statistics of TCP Vegas

Start at: 2018-04-17 06:24:09
End at: 2018-04-17 06:24:39
Local clock offset: 0.205 ms
Remote clock offset: -6.556 ms

Below is generated by plot.py at 2018-04-17 12:33:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 234.45 Mbit/s
95th percentile per-packet one-way delay: 19.265 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 234.45 Mbit/s
95th percentile per-packet one-way delay: 19.265 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

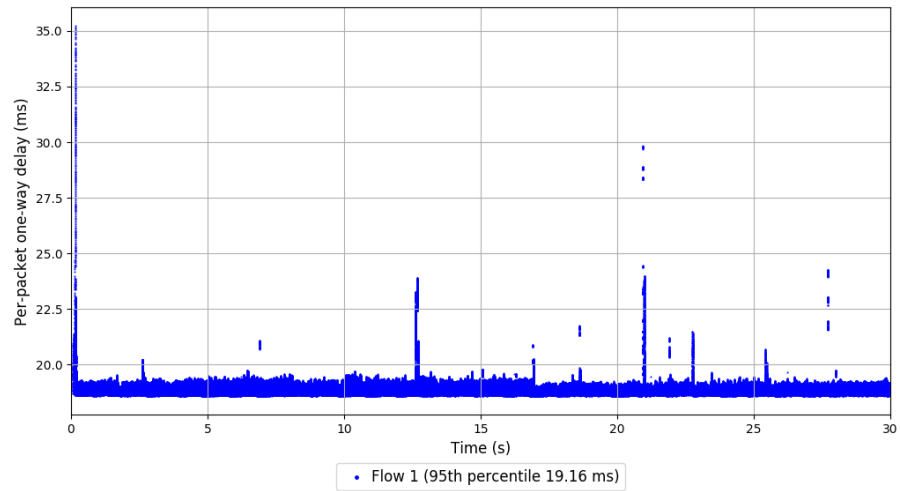
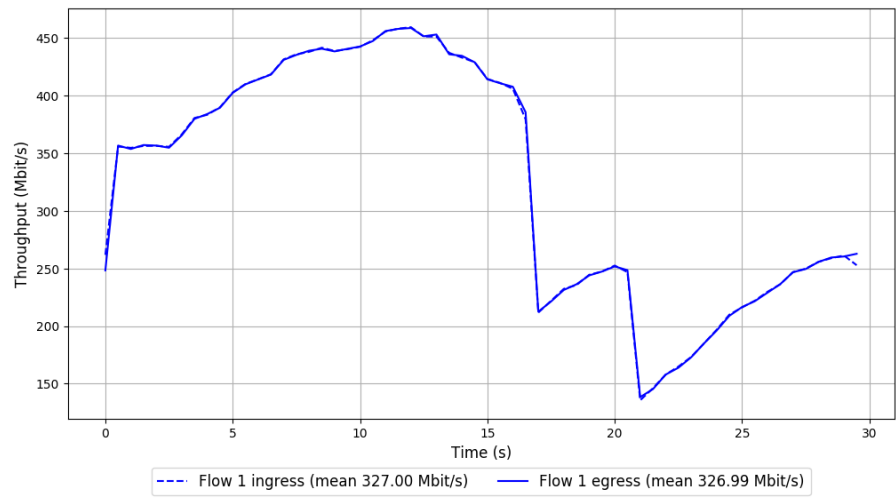


Run 3: Statistics of TCP Vegas

Start at: 2018-04-17 06:49:13
End at: 2018-04-17 06:49:43
Local clock offset: 0.166 ms
Remote clock offset: -6.622 ms

Below is generated by plot.py at 2018-04-17 12:33:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 326.99 Mbit/s
95th percentile per-packet one-way delay: 19.162 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 326.99 Mbit/s
95th percentile per-packet one-way delay: 19.162 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

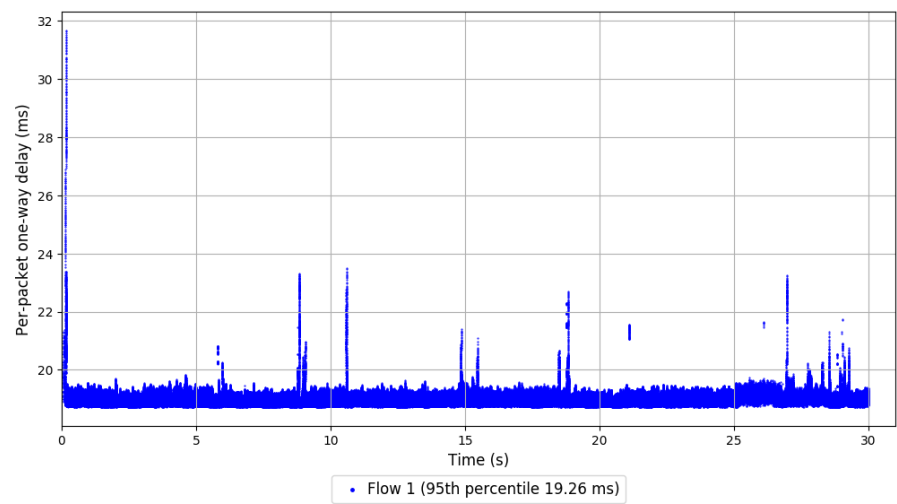
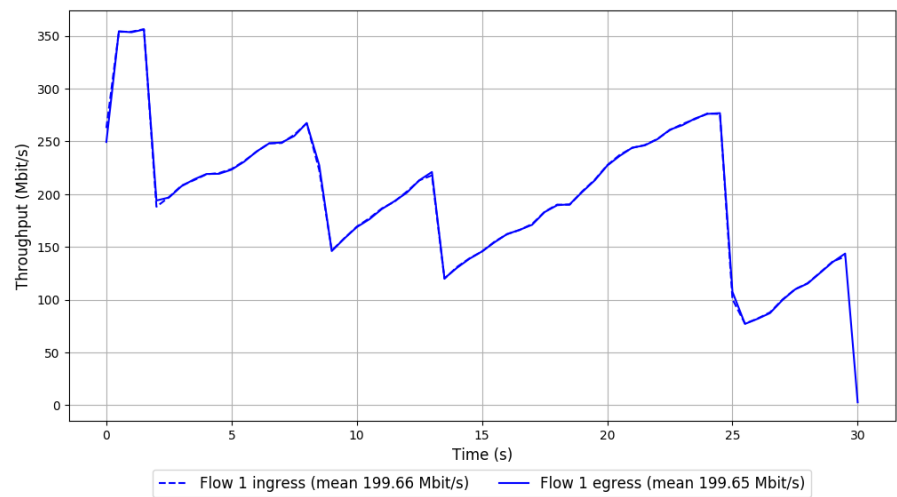


Run 4: Statistics of TCP Vegas

Start at: 2018-04-17 07:14:07
End at: 2018-04-17 07:14:37
Local clock offset: -0.049 ms
Remote clock offset: -6.499 ms

Below is generated by plot.py at 2018-04-17 12:33:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 199.65 Mbit/s
95th percentile per-packet one-way delay: 19.256 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 199.65 Mbit/s
95th percentile per-packet one-way delay: 19.256 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

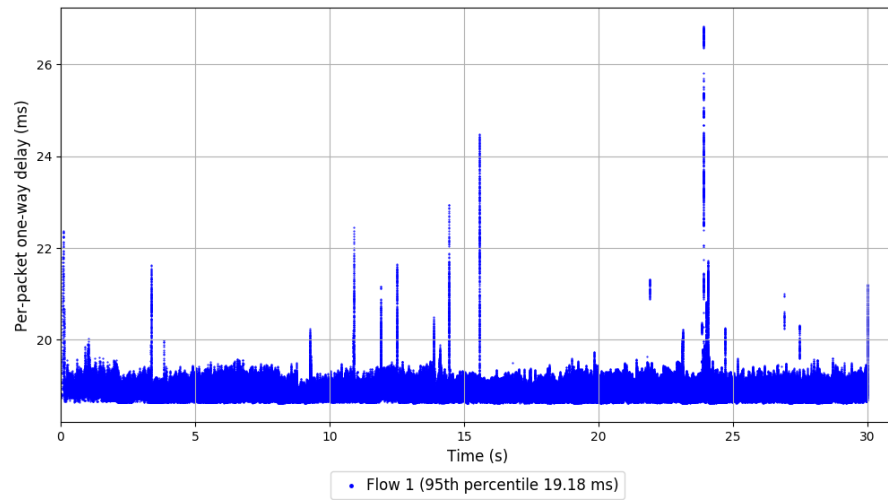
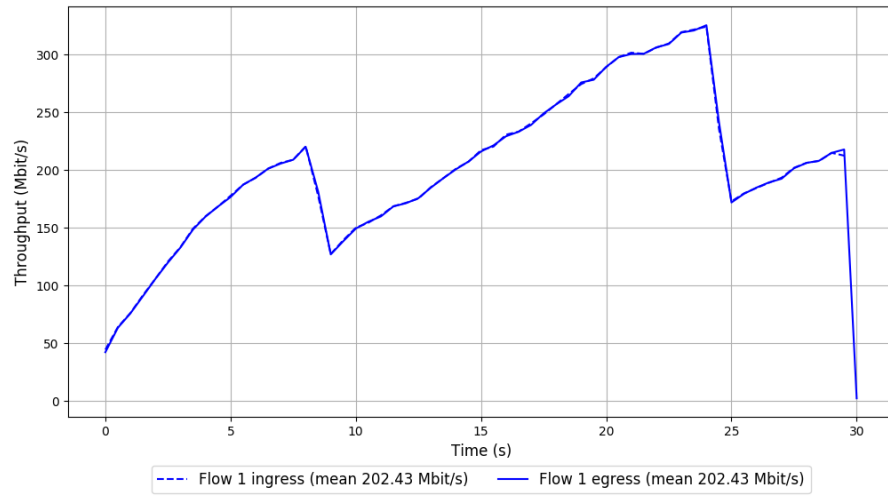


Run 5: Statistics of TCP Vegas

Start at: 2018-04-17 07:39:01
End at: 2018-04-17 07:39:31
Local clock offset: -0.161 ms
Remote clock offset: -5.941 ms

Below is generated by plot.py at 2018-04-17 12:33:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 202.43 Mbit/s
95th percentile per-packet one-way delay: 19.182 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 202.43 Mbit/s
95th percentile per-packet one-way delay: 19.182 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

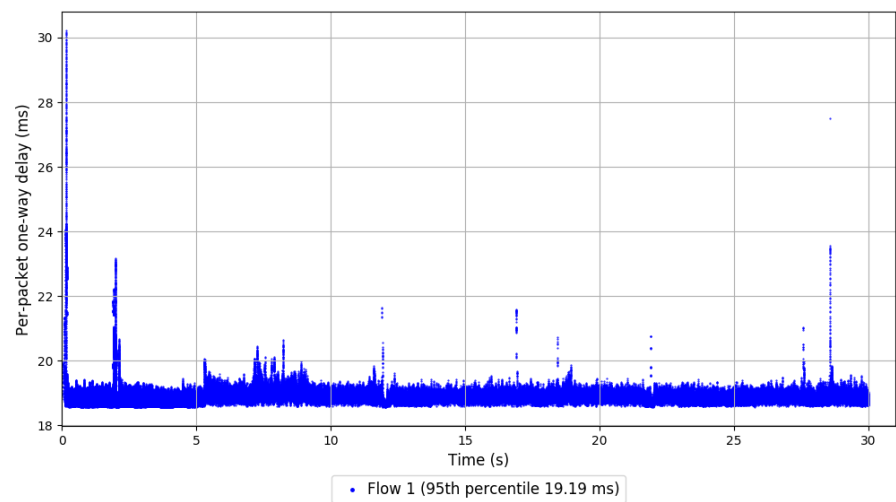
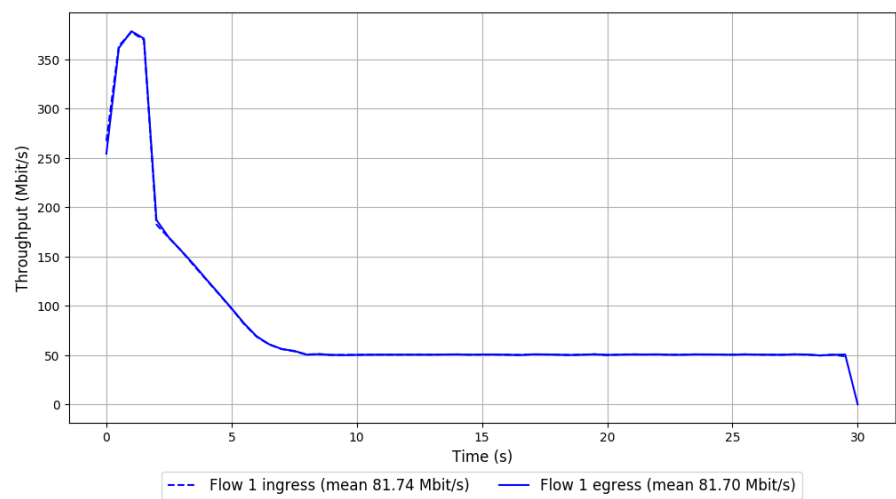


Run 6: Statistics of TCP Vegas

Start at: 2018-04-17 08:04:23
End at: 2018-04-17 08:04:53
Local clock offset: 0.126 ms
Remote clock offset: -6.209 ms

Below is generated by plot.py at 2018-04-17 12:33:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.70 Mbit/s
95th percentile per-packet one-way delay: 19.192 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 81.70 Mbit/s
95th percentile per-packet one-way delay: 19.192 ms
Loss rate: 0.04%

Run 6: Report of TCP Vegas — Data Link

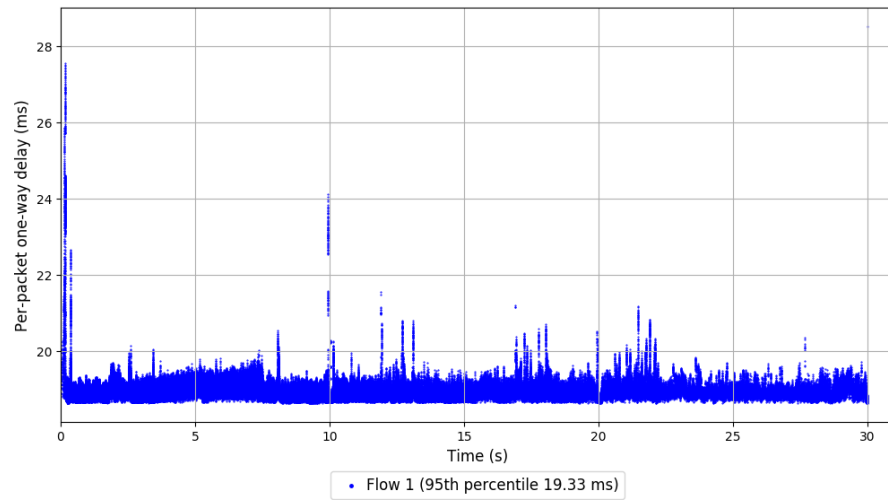
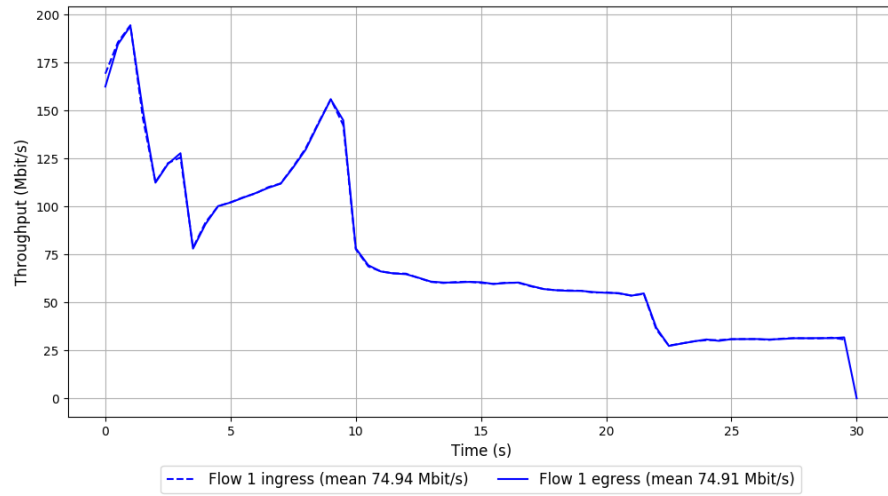


Run 7: Statistics of TCP Vegas

Start at: 2018-04-17 08:29:24
End at: 2018-04-17 08:29:54
Local clock offset: -0.048 ms
Remote clock offset: -5.709 ms

Below is generated by plot.py at 2018-04-17 12:33:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.91 Mbit/s
95th percentile per-packet one-way delay: 19.327 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 74.91 Mbit/s
95th percentile per-packet one-way delay: 19.327 ms
Loss rate: 0.01%

Run 7: Report of TCP Vegas — Data Link

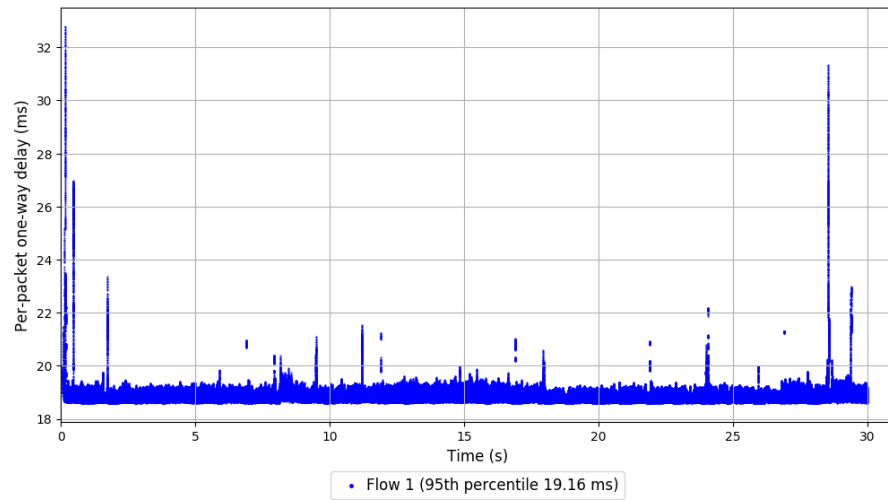
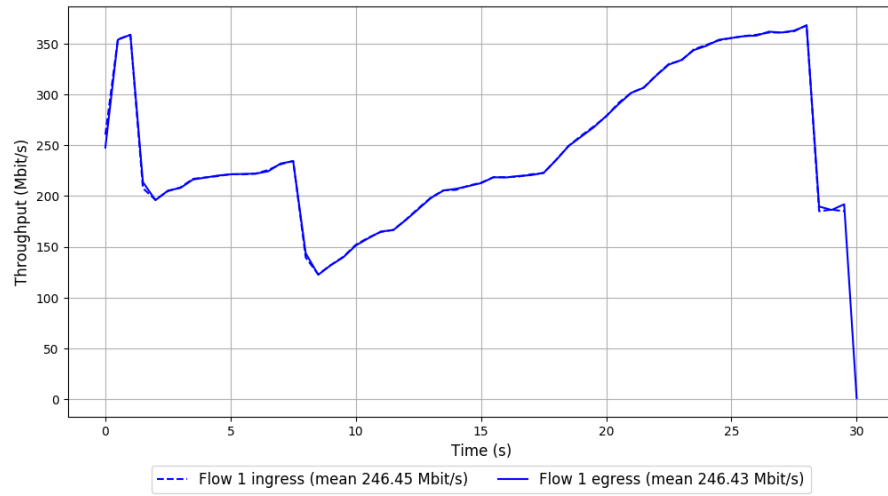


Run 8: Statistics of TCP Vegas

Start at: 2018-04-17 08:54:06
End at: 2018-04-17 08:54:36
Local clock offset: -0.13 ms
Remote clock offset: -5.104 ms

Below is generated by plot.py at 2018-04-17 12:34:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 246.43 Mbit/s
95th percentile per-packet one-way delay: 19.155 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 246.43 Mbit/s
95th percentile per-packet one-way delay: 19.155 ms
Loss rate: 0.01%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-04-17 09:18:53

End at: 2018-04-17 09:19:23

Local clock offset: -0.069 ms

Remote clock offset: -5.09 ms

Below is generated by plot.py at 2018-04-17 12:34:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 177.10 Mbit/s

95th percentile per-packet one-way delay: 17.743 ms

Loss rate: 0.00%

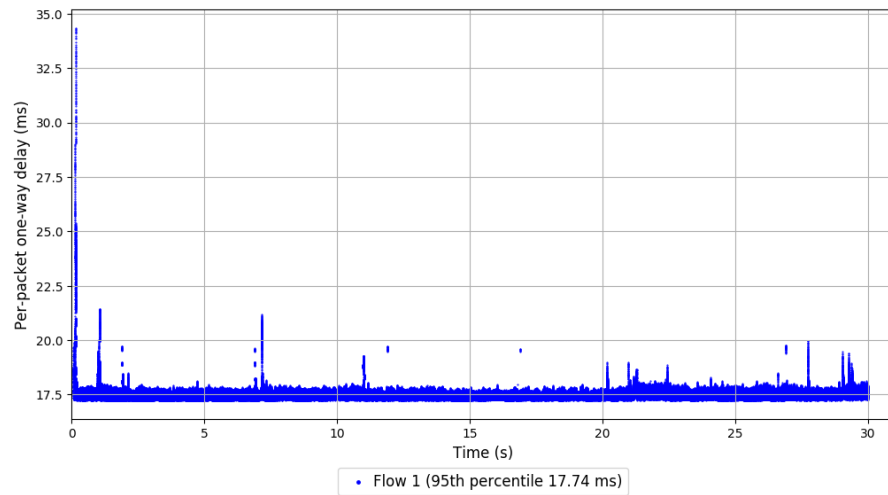
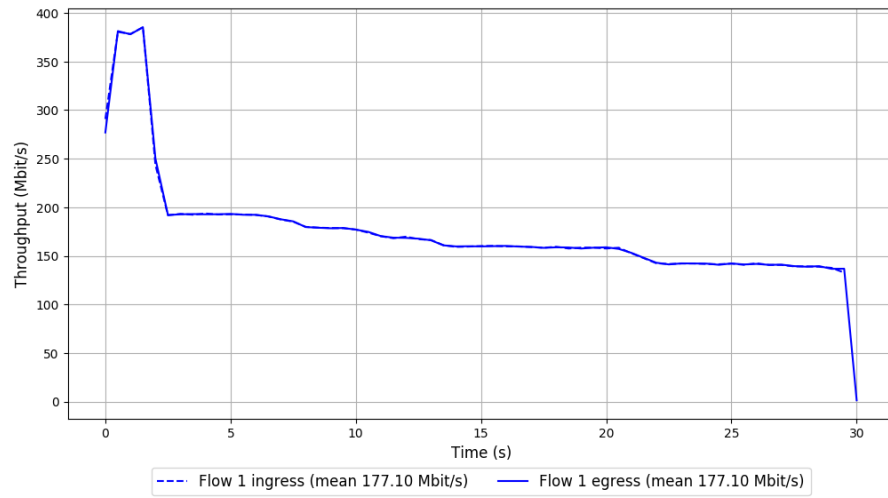
-- Flow 1:

Average throughput: 177.10 Mbit/s

95th percentile per-packet one-way delay: 17.743 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-04-17 09:44:08

End at: 2018-04-17 09:44:38

Local clock offset: 0.164 ms

Remote clock offset: -5.346 ms

Below is generated by plot.py at 2018-04-17 12:35:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 287.29 Mbit/s

95th percentile per-packet one-way delay: 19.124 ms

Loss rate: 0.00%

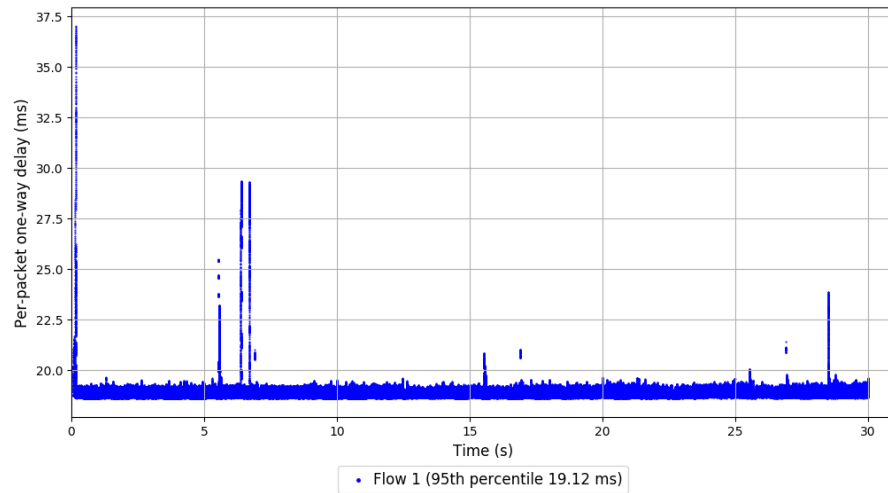
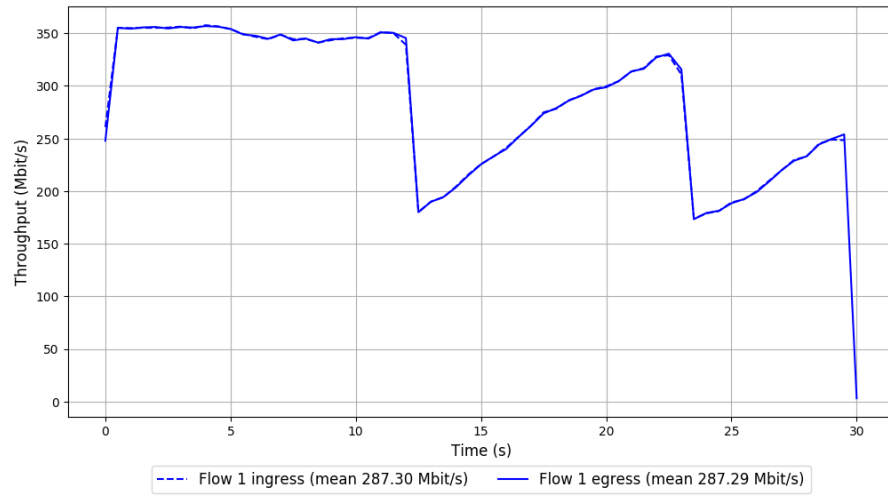
-- Flow 1:

Average throughput: 287.29 Mbit/s

95th percentile per-packet one-way delay: 19.124 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

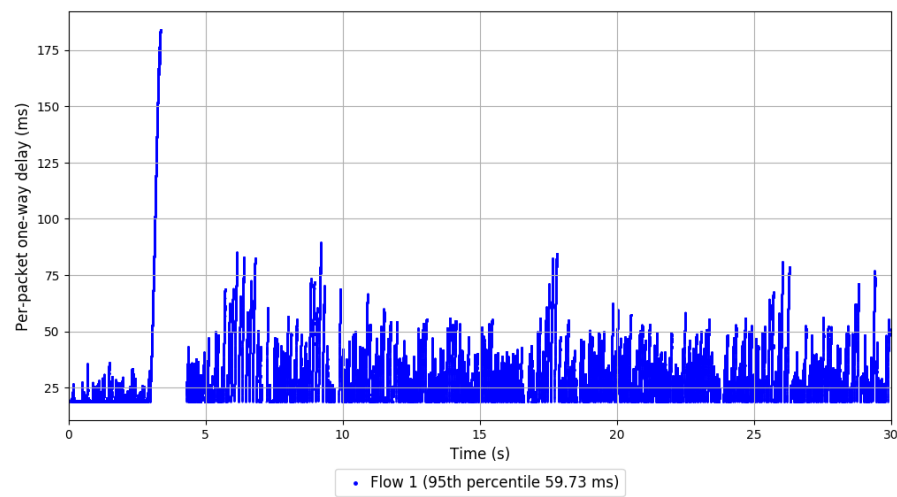
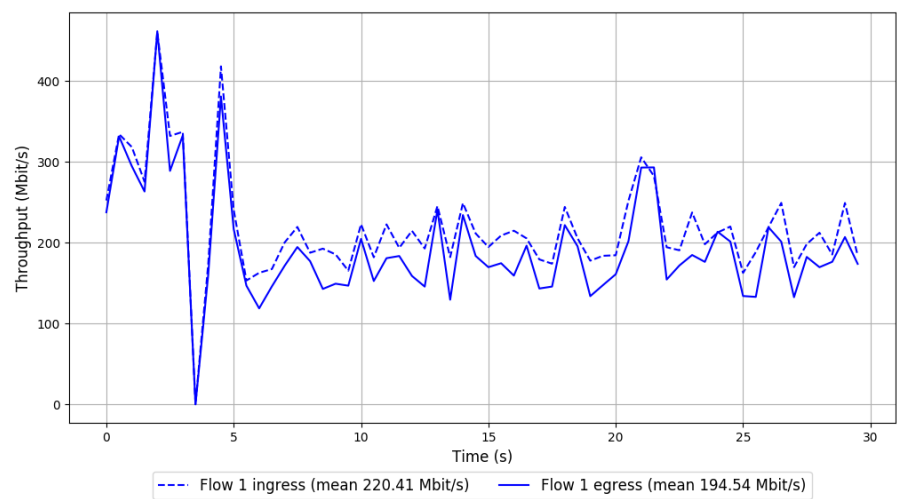


Run 1: Statistics of Verus

Start at: 2018-04-17 05:56:27
End at: 2018-04-17 05:56:57
Local clock offset: -0.226 ms
Remote clock offset: -5.506 ms

Below is generated by plot.py at 2018-04-17 12:35:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 194.54 Mbit/s
95th percentile per-packet one-way delay: 59.728 ms
Loss rate: 11.64%
-- Flow 1:
Average throughput: 194.54 Mbit/s
95th percentile per-packet one-way delay: 59.728 ms
Loss rate: 11.64%

Run 1: Report of Verus — Data Link

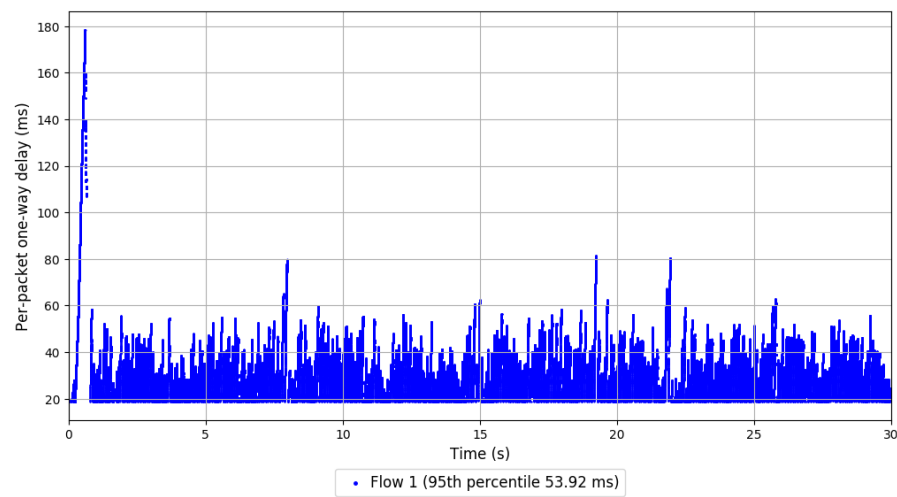
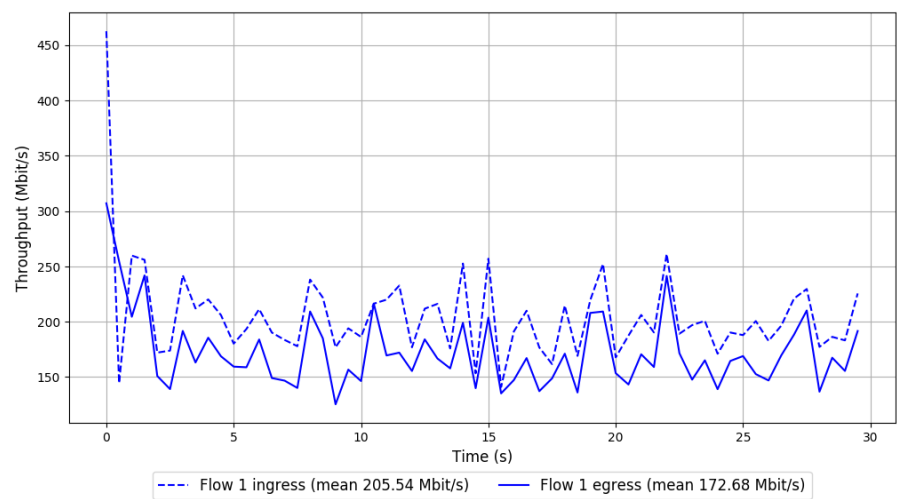


Run 2: Statistics of Verus

Start at: 2018-04-17 06:21:25
End at: 2018-04-17 06:21:55
Local clock offset: 0.185 ms
Remote clock offset: -6.406 ms

Below is generated by plot.py at 2018-04-17 12:35:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 172.68 Mbit/s
95th percentile per-packet one-way delay: 53.916 ms
Loss rate: 15.97%
-- Flow 1:
Average throughput: 172.68 Mbit/s
95th percentile per-packet one-way delay: 53.916 ms
Loss rate: 15.97%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-04-17 06:46:25

End at: 2018-04-17 06:46:55

Local clock offset: 0.173 ms

Remote clock offset: -6.63 ms

Below is generated by plot.py at 2018-04-17 12:36:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 235.17 Mbit/s

95th percentile per-packet one-way delay: 68.595 ms

Loss rate: 10.93%

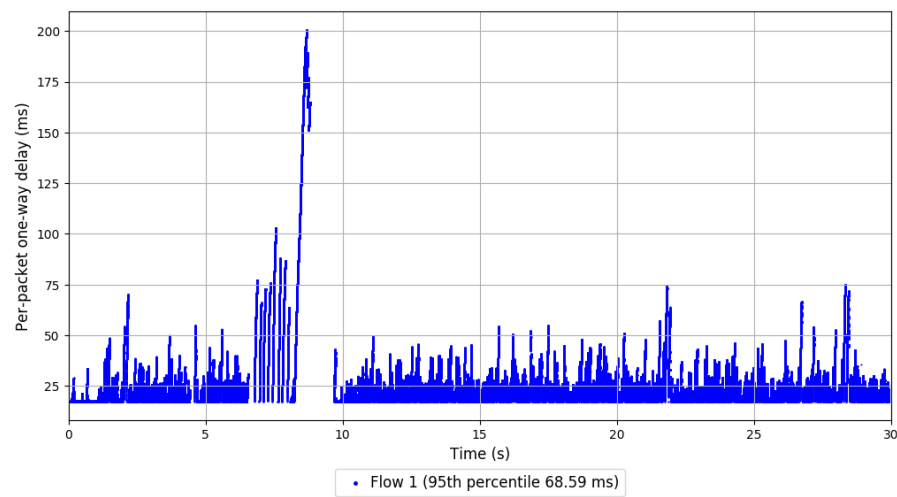
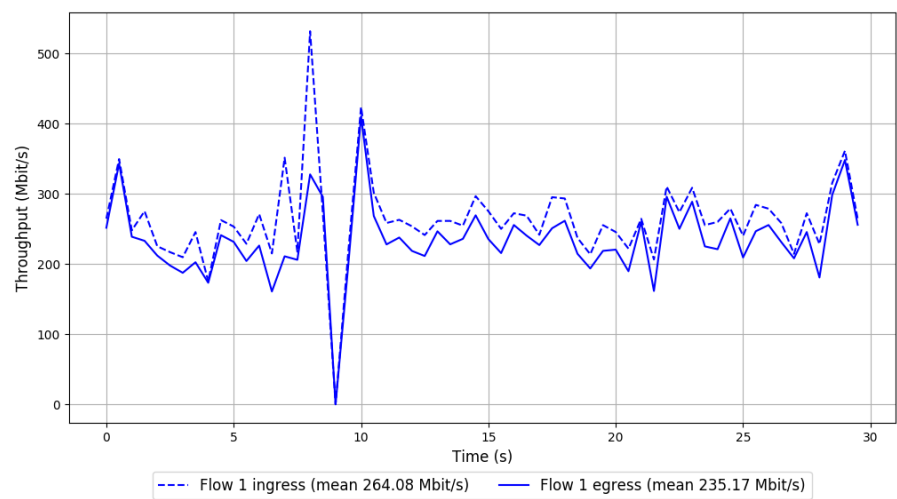
-- Flow 1:

Average throughput: 235.17 Mbit/s

95th percentile per-packet one-way delay: 68.595 ms

Loss rate: 10.93%

Run 3: Report of Verus — Data Link

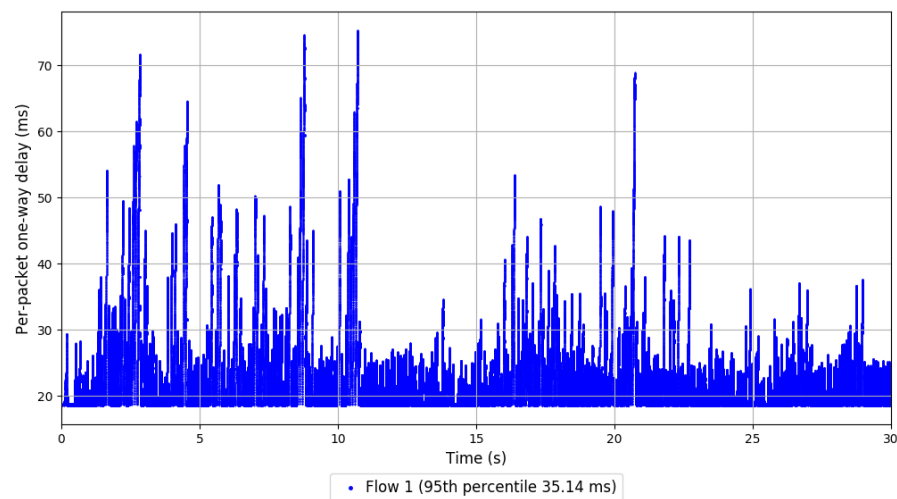
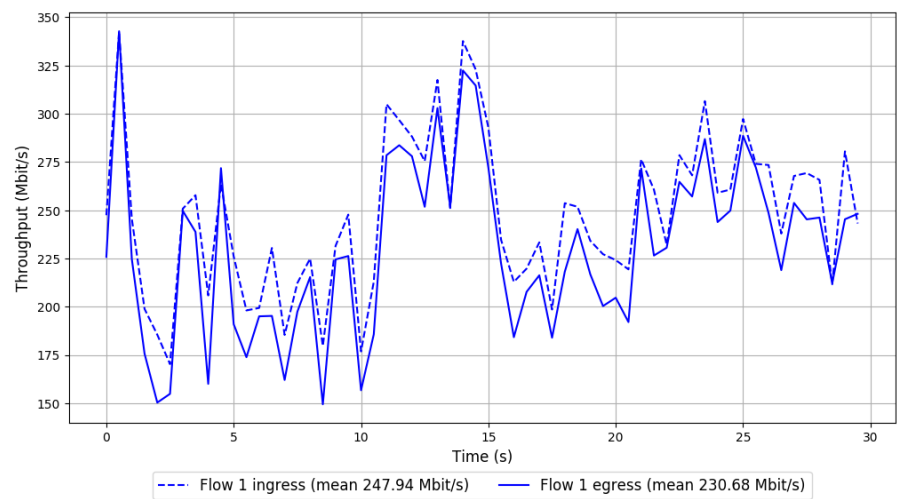


Run 4: Statistics of Verus

Start at: 2018-04-17 07:11:19
End at: 2018-04-17 07:11:49
Local clock offset: 0.082 ms
Remote clock offset: -6.541 ms

Below is generated by plot.py at 2018-04-17 12:36:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 230.68 Mbit/s
95th percentile per-packet one-way delay: 35.140 ms
Loss rate: 6.96%
-- Flow 1:
Average throughput: 230.68 Mbit/s
95th percentile per-packet one-way delay: 35.140 ms
Loss rate: 6.96%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-04-17 07:36:14

End at: 2018-04-17 07:36:44

Local clock offset: -0.167 ms

Remote clock offset: -5.93 ms

Below is generated by plot.py at 2018-04-17 12:36:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 228.43 Mbit/s

95th percentile per-packet one-way delay: 46.155 ms

Loss rate: 9.75%

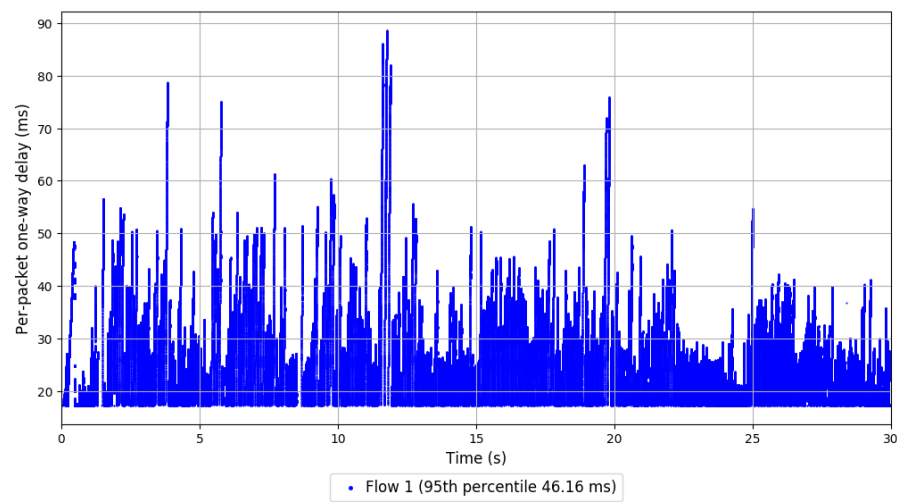
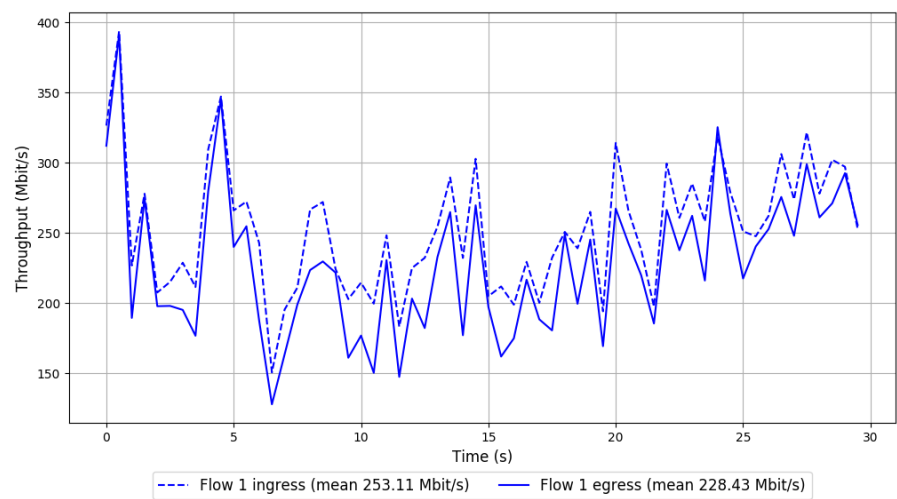
-- Flow 1:

Average throughput: 228.43 Mbit/s

95th percentile per-packet one-way delay: 46.155 ms

Loss rate: 9.75%

Run 5: Report of Verus — Data Link

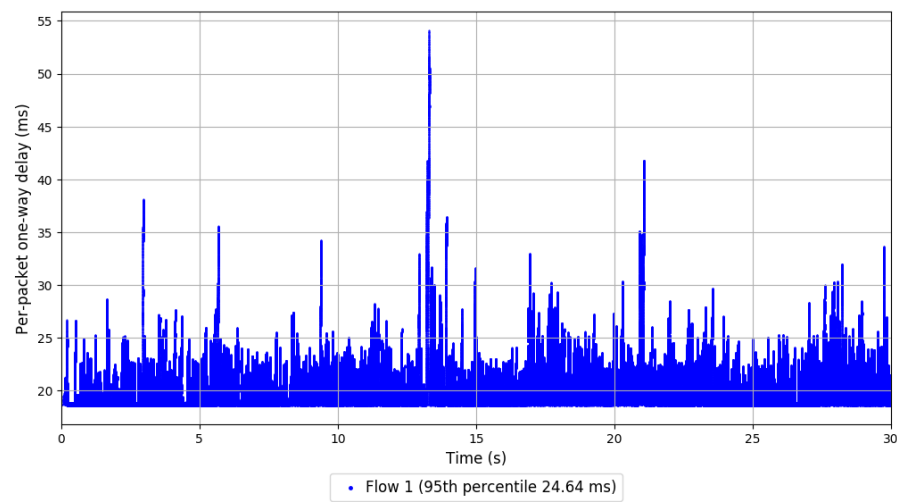
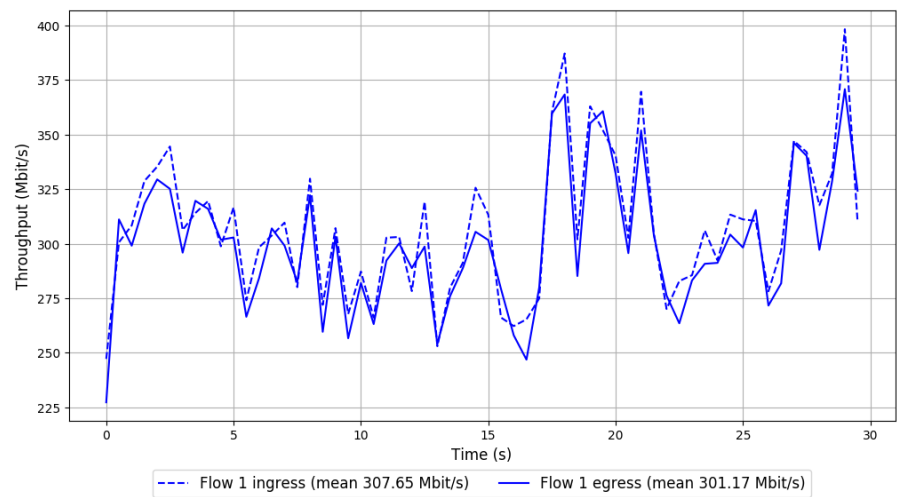


Run 6: Statistics of Verus

Start at: 2018-04-17 08:01:32
End at: 2018-04-17 08:02:02
Local clock offset: 0.097 ms
Remote clock offset: -6.187 ms

Below is generated by plot.py at 2018-04-17 12:38:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 301.17 Mbit/s
95th percentile per-packet one-way delay: 24.636 ms
Loss rate: 2.11%
-- Flow 1:
Average throughput: 301.17 Mbit/s
95th percentile per-packet one-way delay: 24.636 ms
Loss rate: 2.11%

Run 6: Report of Verus — Data Link

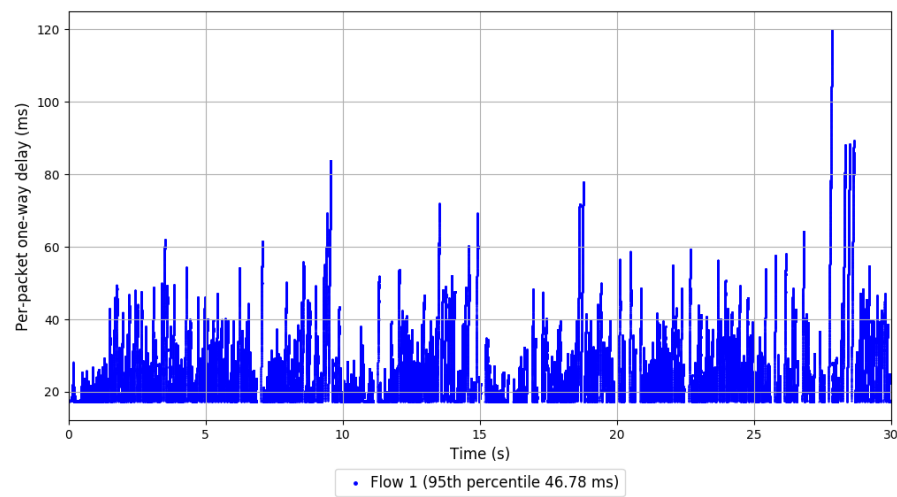
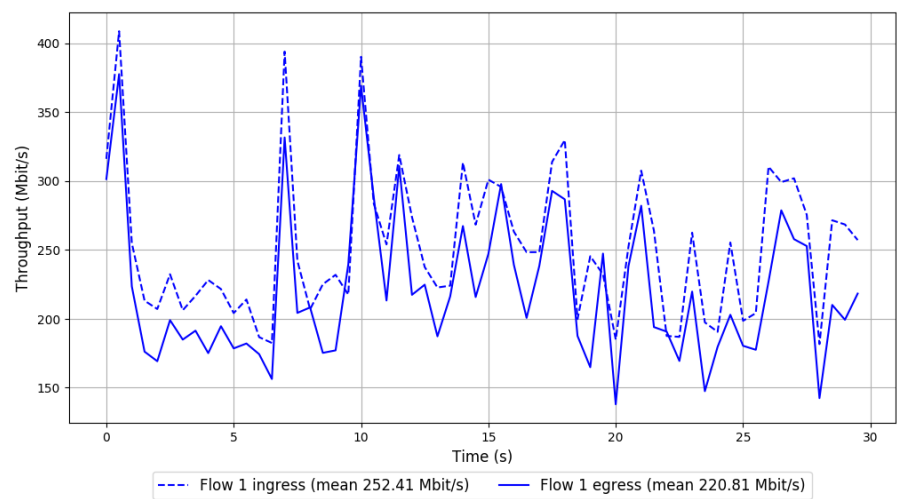


Run 7: Statistics of Verus

Start at: 2018-04-17 08:26:37
End at: 2018-04-17 08:27:07
Local clock offset: -0.123 ms
Remote clock offset: -5.932 ms

Below is generated by plot.py at 2018-04-17 12:38:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 220.81 Mbit/s
95th percentile per-packet one-way delay: 46.777 ms
Loss rate: 12.52%
-- Flow 1:
Average throughput: 220.81 Mbit/s
95th percentile per-packet one-way delay: 46.777 ms
Loss rate: 12.52%

Run 7: Report of Verus — Data Link

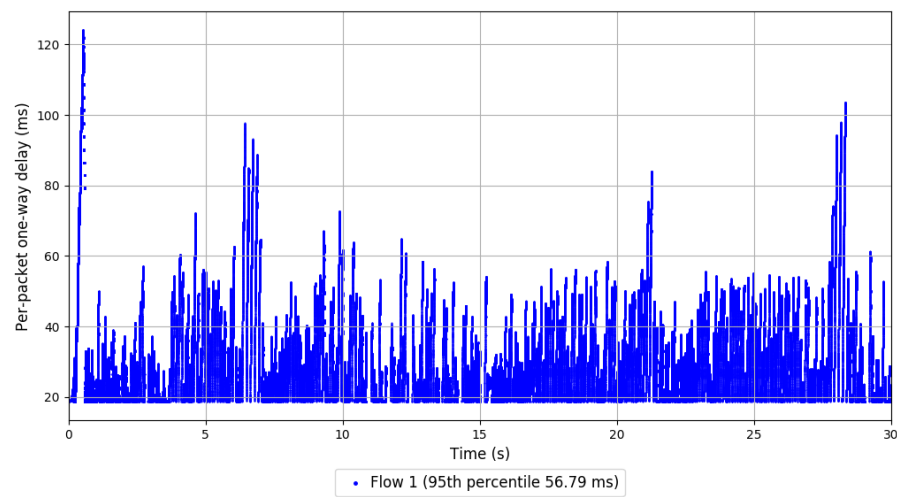
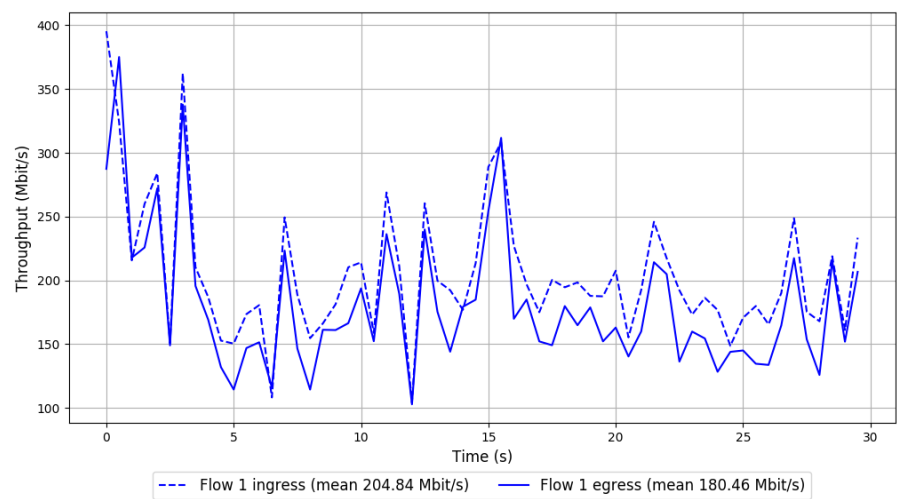


Run 8: Statistics of Verus

Start at: 2018-04-17 08:51:20
End at: 2018-04-17 08:51:51
Local clock offset: -0.122 ms
Remote clock offset: -5.128 ms

Below is generated by plot.py at 2018-04-17 12:38:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 180.46 Mbit/s
95th percentile per-packet one-way delay: 56.792 ms
Loss rate: 11.90%
-- Flow 1:
Average throughput: 180.46 Mbit/s
95th percentile per-packet one-way delay: 56.792 ms
Loss rate: 11.90%

Run 8: Report of Verus — Data Link

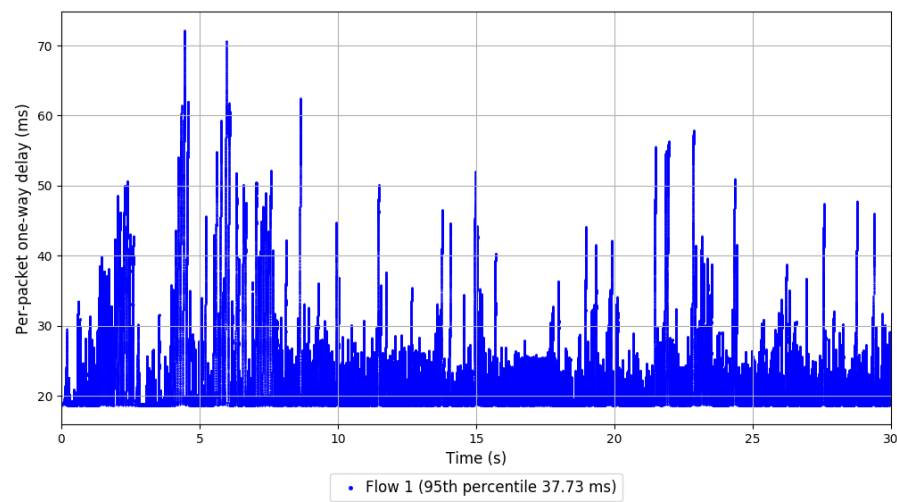
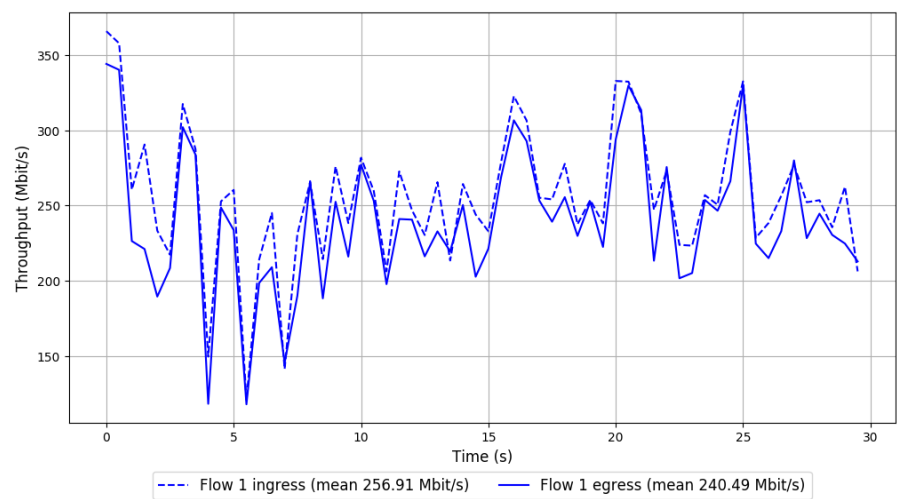


Run 9: Statistics of Verus

Start at: 2018-04-17 09:16:05
End at: 2018-04-17 09:16:35
Local clock offset: -0.09 ms
Remote clock offset: -5.198 ms

Below is generated by plot.py at 2018-04-17 12:39:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 240.49 Mbit/s
95th percentile per-packet one-way delay: 37.728 ms
Loss rate: 6.36%
-- Flow 1:
Average throughput: 240.49 Mbit/s
95th percentile per-packet one-way delay: 37.728 ms
Loss rate: 6.36%

Run 9: Report of Verus — Data Link

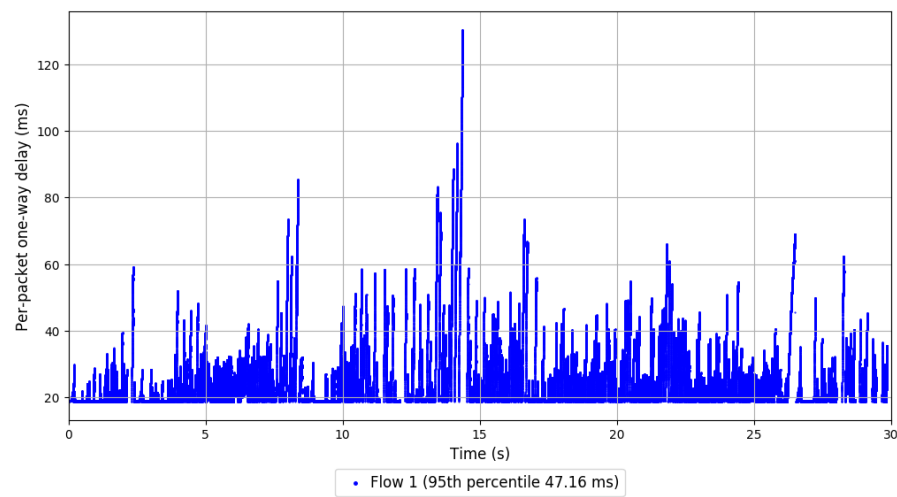
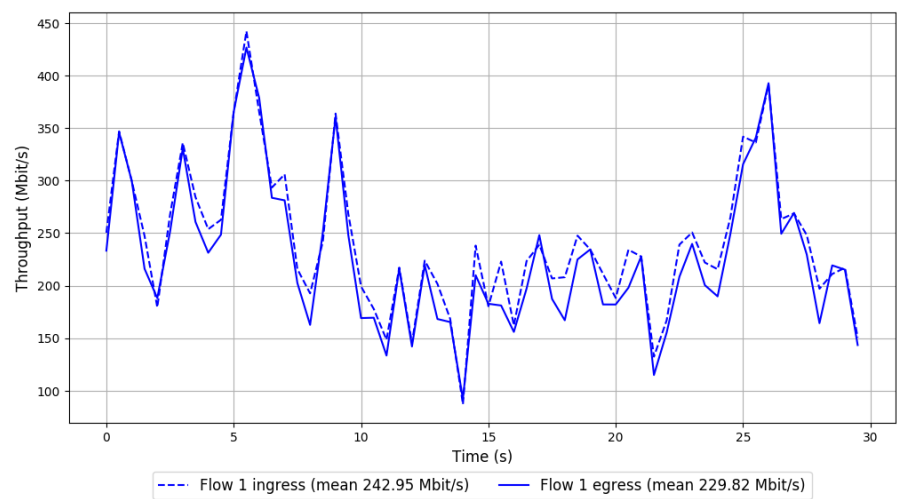


Run 10: Statistics of Verus

Start at: 2018-04-17 09:41:20
End at: 2018-04-17 09:41:50
Local clock offset: 0.035 ms
Remote clock offset: -5.332 ms

Below is generated by plot.py at 2018-04-17 12:39:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 229.82 Mbit/s
95th percentile per-packet one-way delay: 47.164 ms
Loss rate: 5.35%
-- Flow 1:
Average throughput: 229.82 Mbit/s
95th percentile per-packet one-way delay: 47.164 ms
Loss rate: 5.35%

Run 10: Report of Verus — Data Link

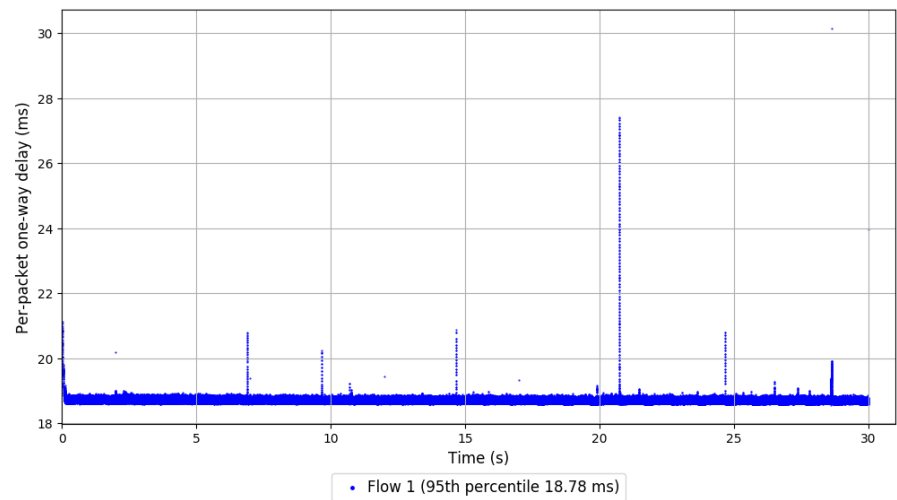
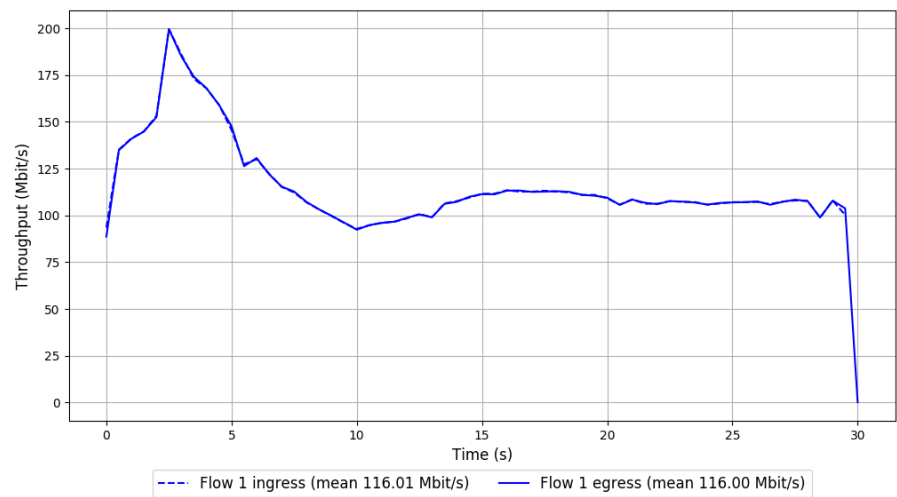


Run 1: Statistics of Copa

Start at: 2018-04-17 05:44:46
End at: 2018-04-17 05:45:16
Local clock offset: -0.068 ms
Remote clock offset: -5.697 ms

Below is generated by plot.py at 2018-04-17 12:39:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 116.00 Mbit/s
95th percentile per-packet one-way delay: 18.783 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 116.00 Mbit/s
95th percentile per-packet one-way delay: 18.783 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

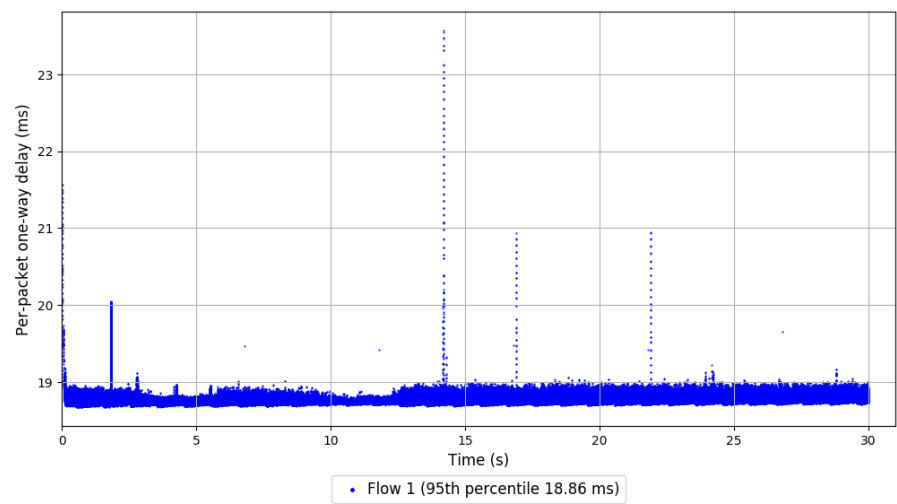
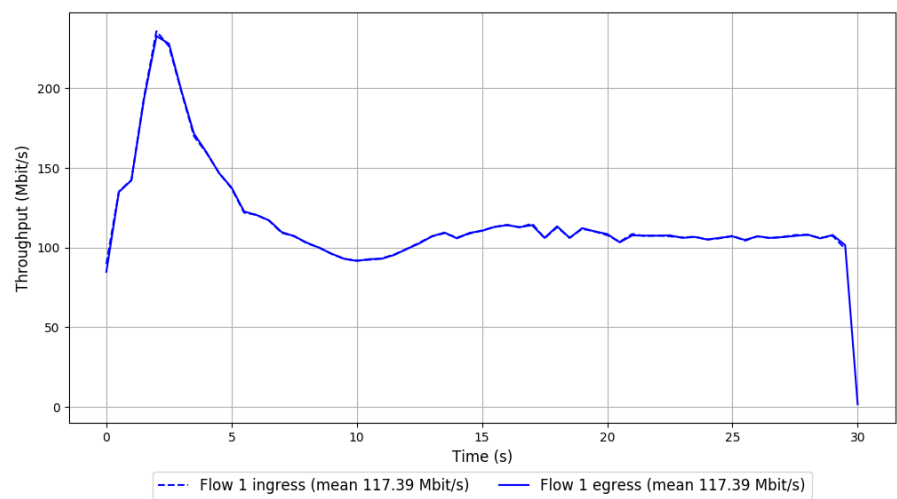


Run 2: Statistics of Copa

Start at: 2018-04-17 06:09:52
End at: 2018-04-17 06:10:22
Local clock offset: 0.102 ms
Remote clock offset: -5.748 ms

Below is generated by plot.py at 2018-04-17 12:39:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 117.39 Mbit/s
95th percentile per-packet one-way delay: 18.860 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 117.39 Mbit/s
95th percentile per-packet one-way delay: 18.860 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

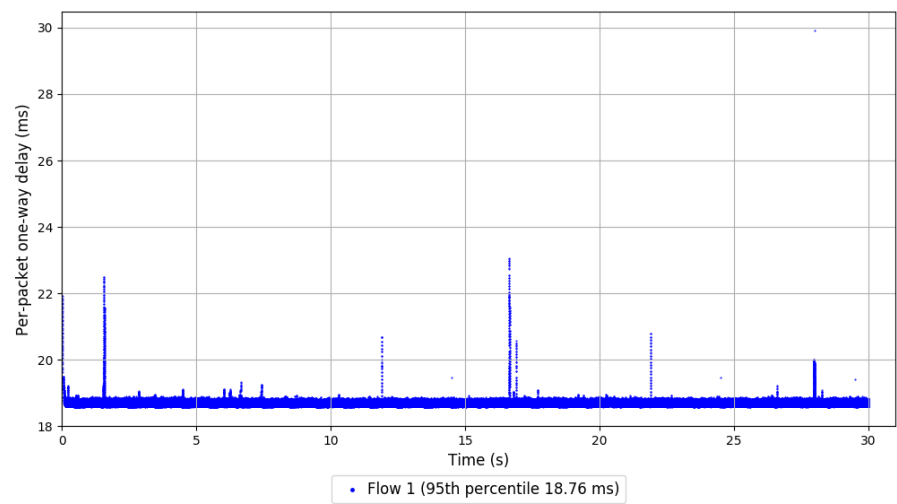
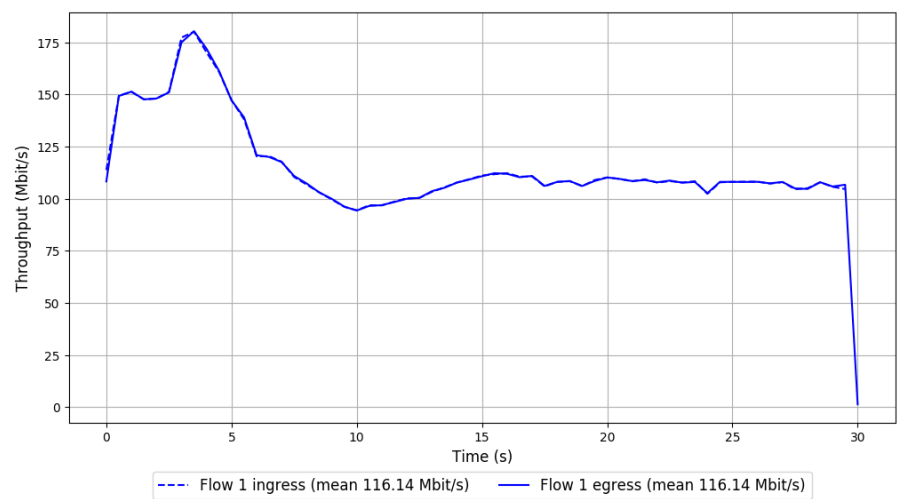


Run 3: Statistics of Copa

Start at: 2018-04-17 06:34:49
End at: 2018-04-17 06:35:19
Local clock offset: 0.175 ms
Remote clock offset: -6.887 ms

Below is generated by plot.py at 2018-04-17 12:39:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 116.14 Mbit/s
95th percentile per-packet one-way delay: 18.763 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 116.14 Mbit/s
95th percentile per-packet one-way delay: 18.763 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

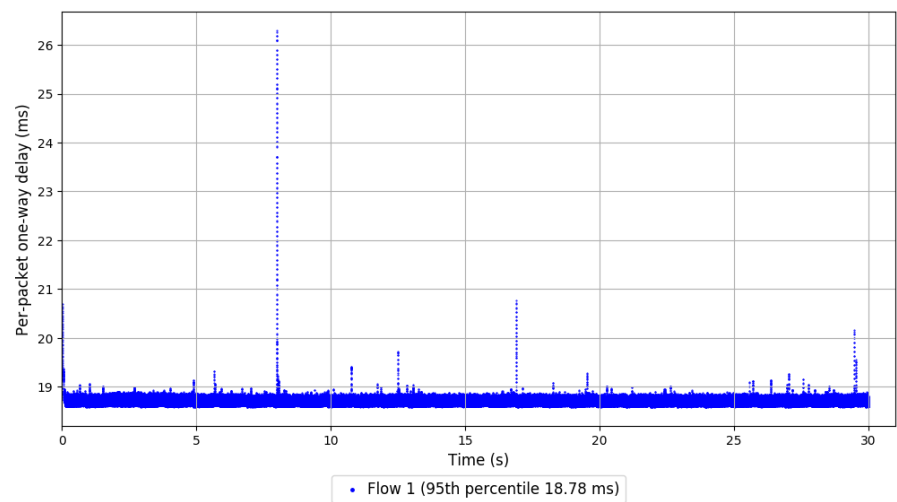
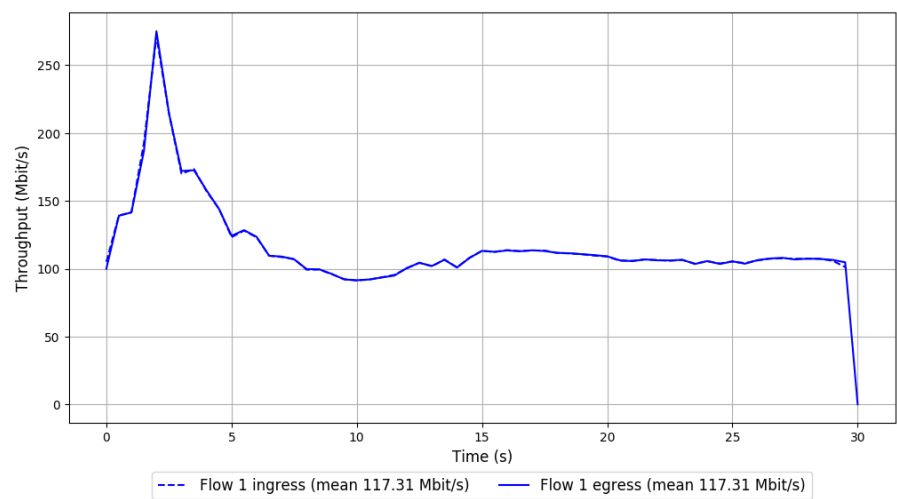


Run 4: Statistics of Copa

Start at: 2018-04-17 06:59:56
End at: 2018-04-17 07:00:26
Local clock offset: 0.16 ms
Remote clock offset: -6.514 ms

Below is generated by plot.py at 2018-04-17 12:41:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 117.31 Mbit/s
95th percentile per-packet one-way delay: 18.778 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 117.31 Mbit/s
95th percentile per-packet one-way delay: 18.778 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

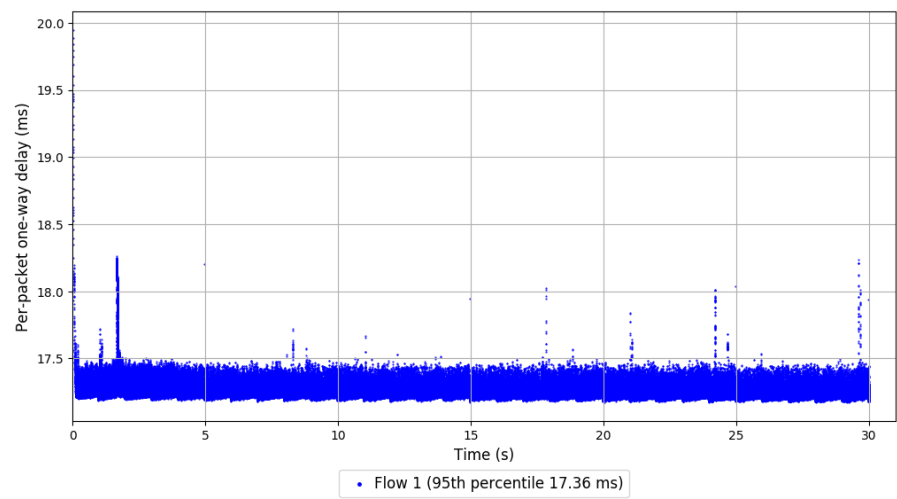
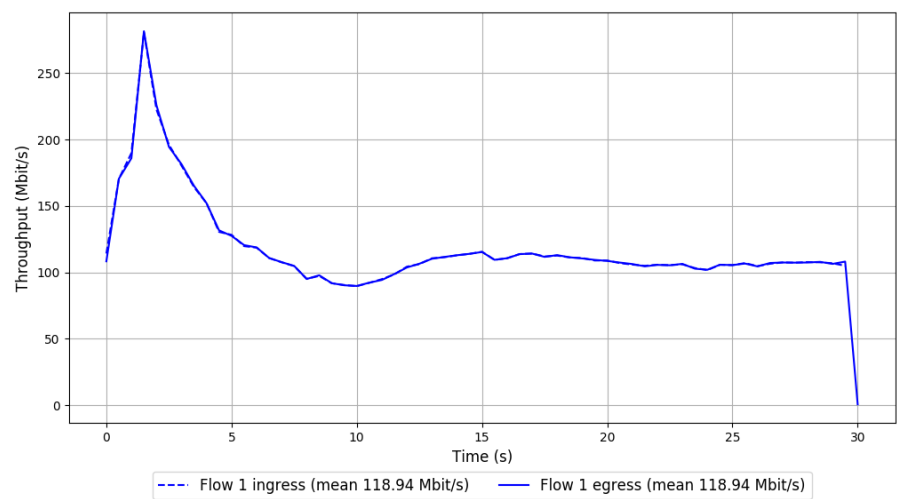


Run 5: Statistics of Copa

Start at: 2018-04-17 07:24:44
End at: 2018-04-17 07:25:14
Local clock offset: -0.177 ms
Remote clock offset: -6.155 ms

Below is generated by plot.py at 2018-04-17 12:41:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 118.94 Mbit/s
95th percentile per-packet one-way delay: 17.361 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 118.94 Mbit/s
95th percentile per-packet one-way delay: 17.361 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

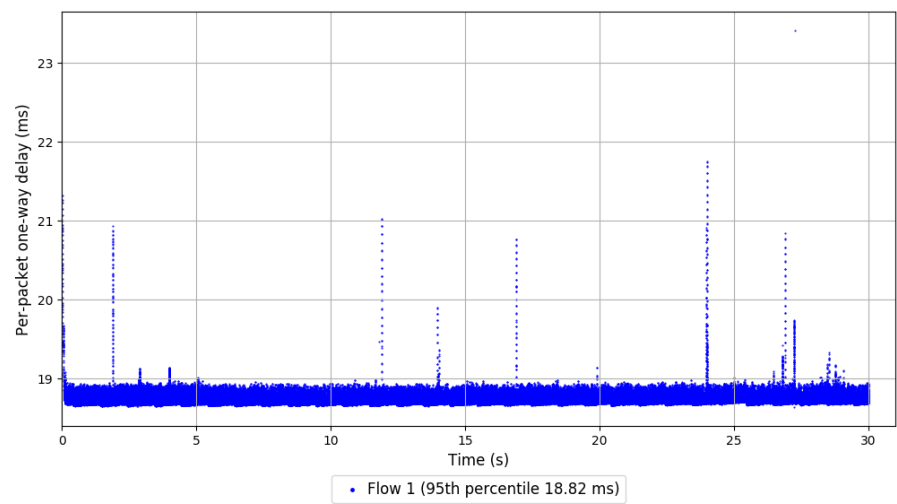
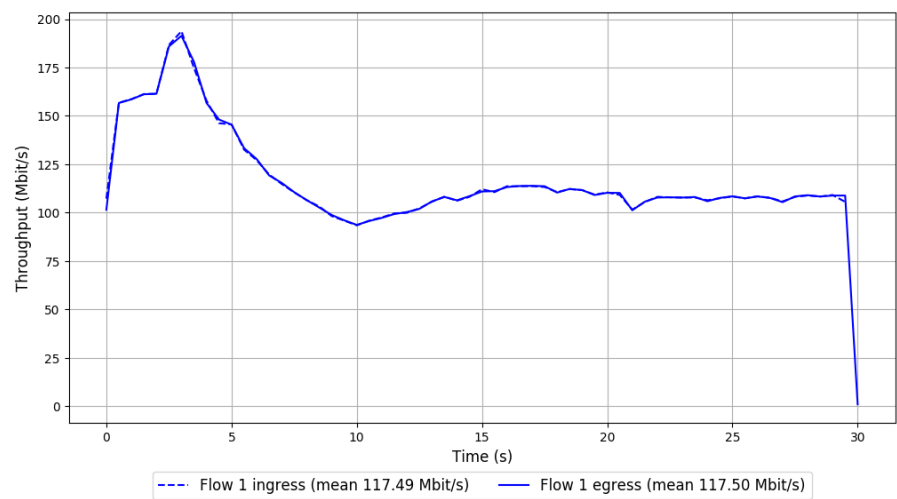


Run 6: Statistics of Copa

Start at: 2018-04-17 07:49:41
End at: 2018-04-17 07:50:11
Local clock offset: -0.047 ms
Remote clock offset: -5.996 ms

Below is generated by plot.py at 2018-04-17 12:41:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 117.50 Mbit/s
95th percentile per-packet one-way delay: 18.821 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 117.50 Mbit/s
95th percentile per-packet one-way delay: 18.821 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

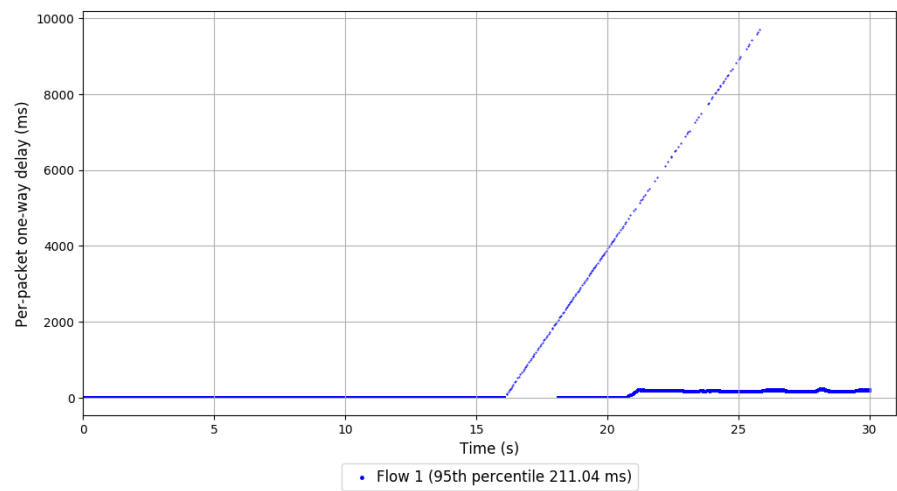
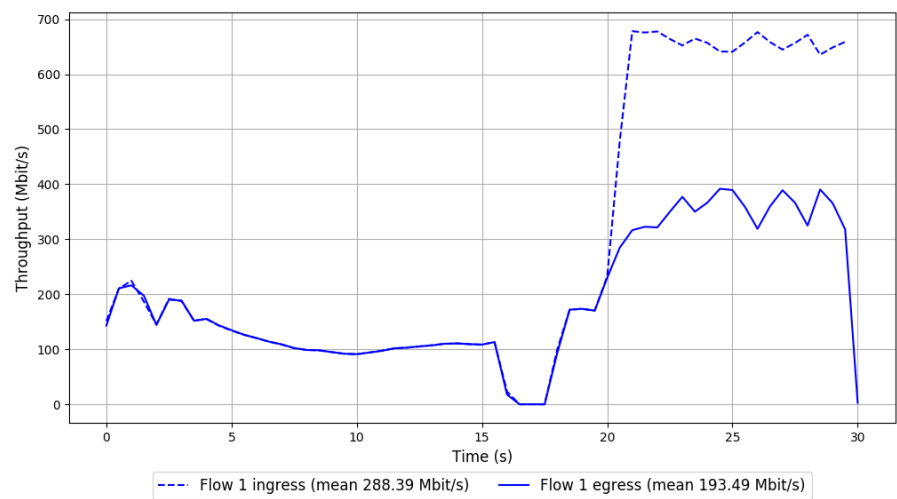


Run 7: Statistics of Copa

Start at: 2018-04-17 08:14:56
End at: 2018-04-17 08:15:26
Local clock offset: 0.042 ms
Remote clock offset: -6.238 ms

Below is generated by plot.py at 2018-04-17 12:45:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 193.49 Mbit/s
95th percentile per-packet one-way delay: 211.043 ms
Loss rate: 32.91%
-- Flow 1:
Average throughput: 193.49 Mbit/s
95th percentile per-packet one-way delay: 211.043 ms
Loss rate: 32.91%

Run 7: Report of Copa — Data Link

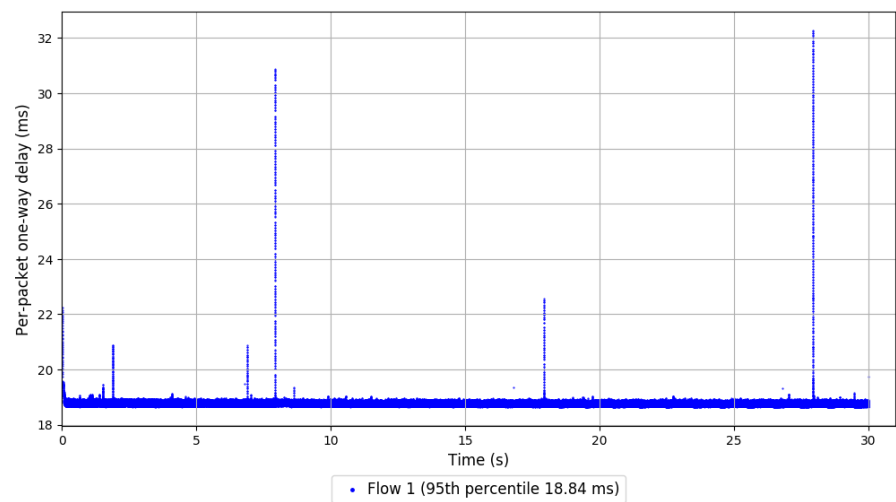
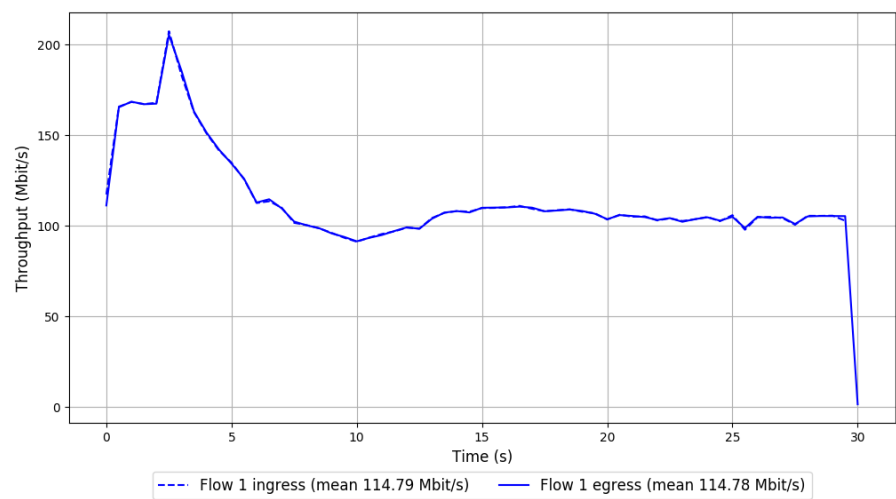


Run 8: Statistics of Copa

Start at: 2018-04-17 08:39:56
End at: 2018-04-17 08:40:26
Local clock offset: -0.179 ms
Remote clock offset: -5.371 ms

Below is generated by plot.py at 2018-04-17 12:45:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 114.78 Mbit/s
95th percentile per-packet one-way delay: 18.839 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 114.78 Mbit/s
95th percentile per-packet one-way delay: 18.839 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

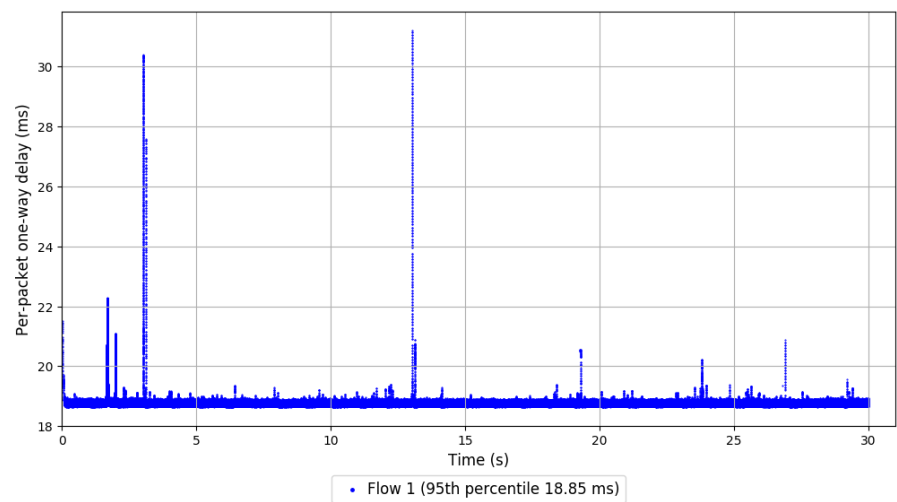
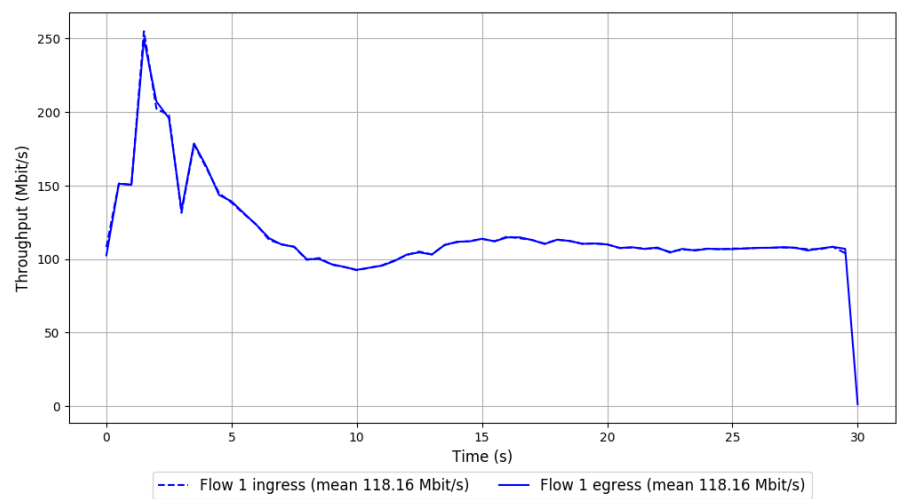


Run 9: Statistics of Copa

Start at: 2018-04-17 09:04:41
End at: 2018-04-17 09:05:11
Local clock offset: -0.156 ms
Remote clock offset: -5.168 ms

Below is generated by plot.py at 2018-04-17 12:45:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 118.16 Mbit/s
95th percentile per-packet one-way delay: 18.850 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 118.16 Mbit/s
95th percentile per-packet one-way delay: 18.850 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-04-17 09:29:29

End at: 2018-04-17 09:29:59

Local clock offset: 0.01 ms

Remote clock offset: -5.11 ms

Below is generated by plot.py at 2018-04-17 12:45:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 118.28 Mbit/s

95th percentile per-packet one-way delay: 18.758 ms

Loss rate: 0.00%

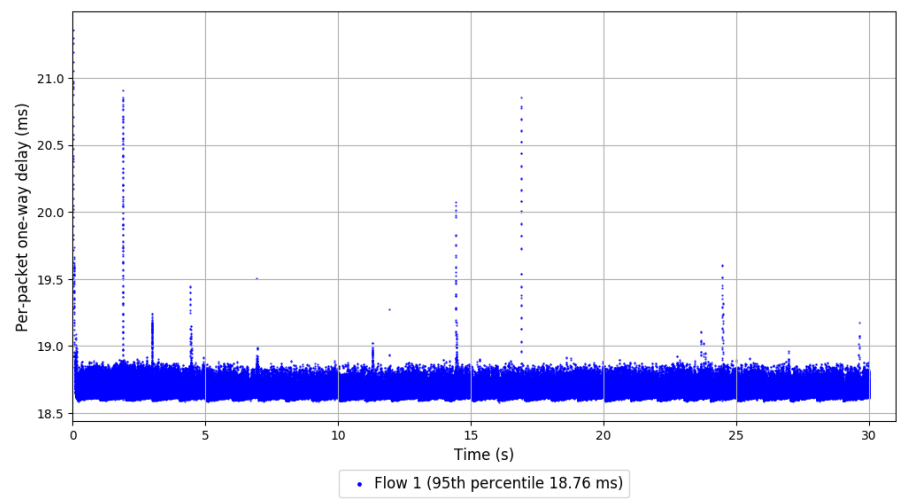
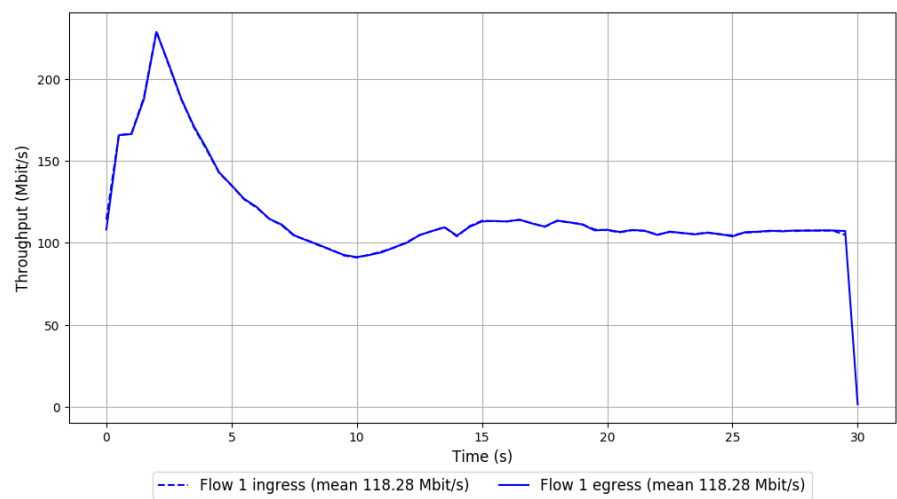
-- Flow 1:

Average throughput: 118.28 Mbit/s

95th percentile per-packet one-way delay: 18.758 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

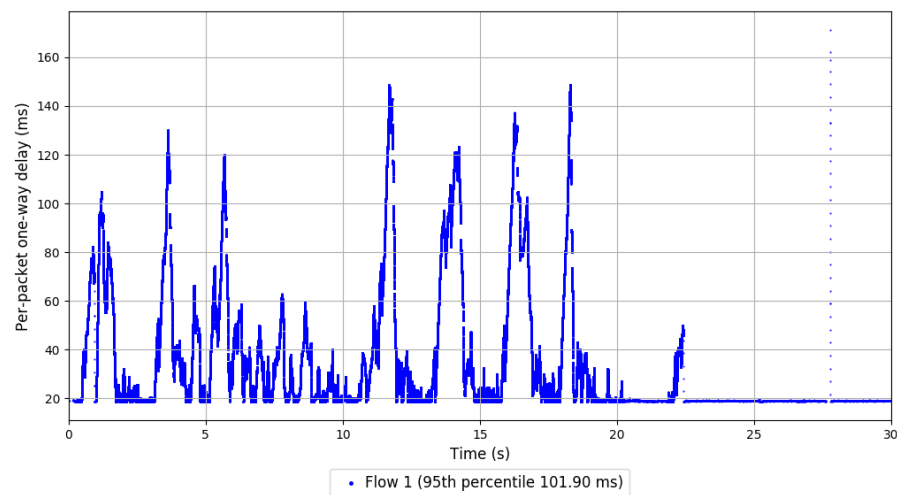
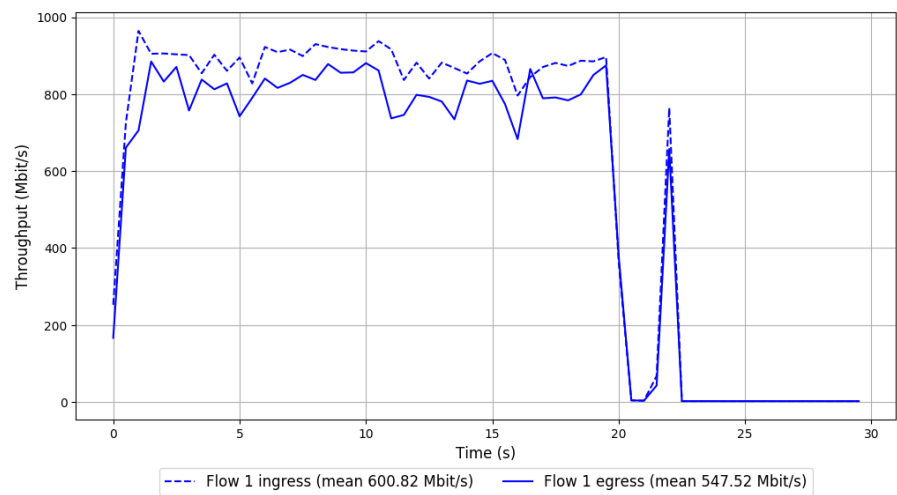


Run 1: Statistics of FillP

Start at: 2018-04-17 05:54:51
End at: 2018-04-17 05:55:21
Local clock offset: -0.08 ms
Remote clock offset: -5.524 ms

Below is generated by plot.py at 2018-04-17 12:48:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 547.52 Mbit/s
95th percentile per-packet one-way delay: 101.899 ms
Loss rate: 8.87%
-- Flow 1:
Average throughput: 547.52 Mbit/s
95th percentile per-packet one-way delay: 101.899 ms
Loss rate: 8.87%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-04-17 06:19:58

End at: 2018-04-17 06:20:28

Local clock offset: 0.073 ms

Remote clock offset: -6.48 ms

Below is generated by plot.py at 2018-04-17 12:48:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 249.11 Mbit/s

95th percentile per-packet one-way delay: 119.637 ms

Loss rate: 10.51%

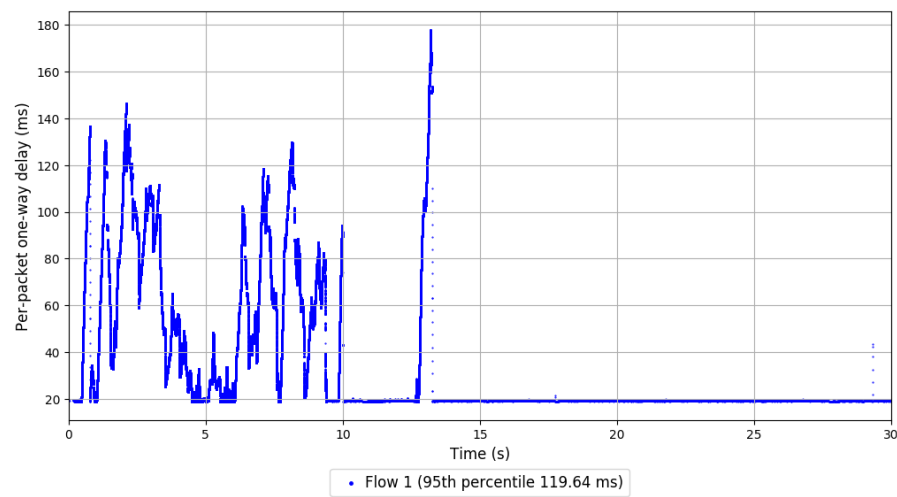
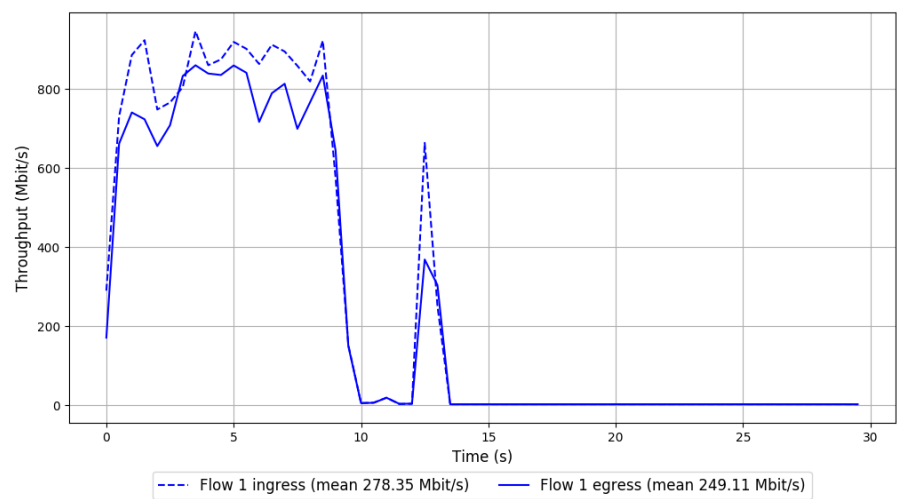
-- Flow 1:

Average throughput: 249.11 Mbit/s

95th percentile per-packet one-way delay: 119.637 ms

Loss rate: 10.51%

Run 2: Report of FillP — Data Link

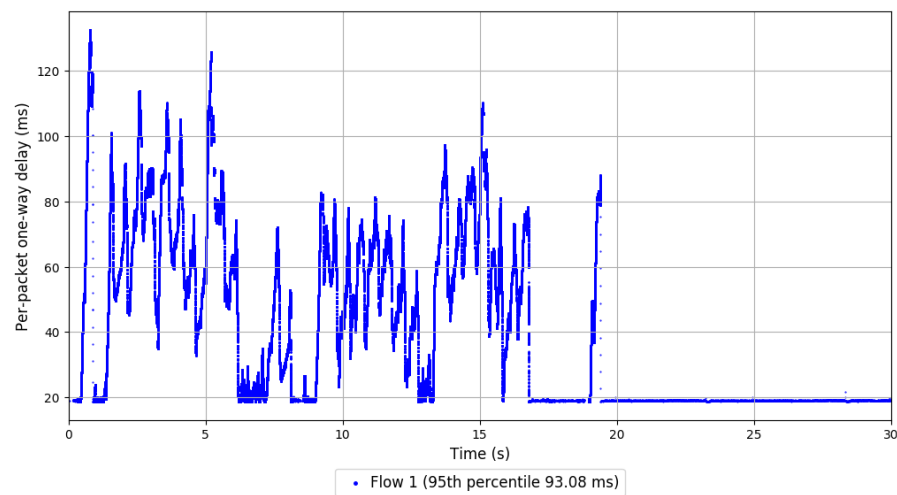
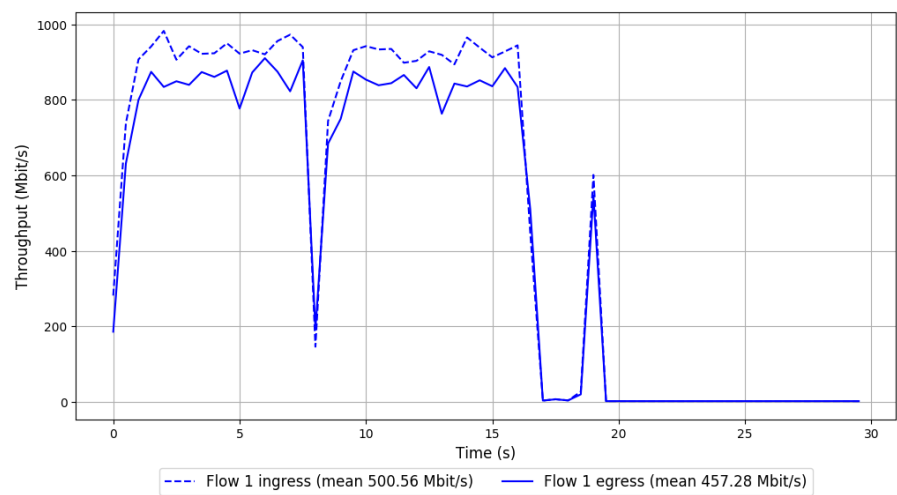


Run 3: Statistics of FillP

Start at: 2018-04-17 06:44:53
End at: 2018-04-17 06:45:23
Local clock offset: 0.088 ms
Remote clock offset: -6.745 ms

Below is generated by plot.py at 2018-04-17 12:48:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 457.28 Mbit/s
95th percentile per-packet one-way delay: 93.077 ms
Loss rate: 8.65%
-- Flow 1:
Average throughput: 457.28 Mbit/s
95th percentile per-packet one-way delay: 93.077 ms
Loss rate: 8.65%

Run 3: Report of FillP — Data Link

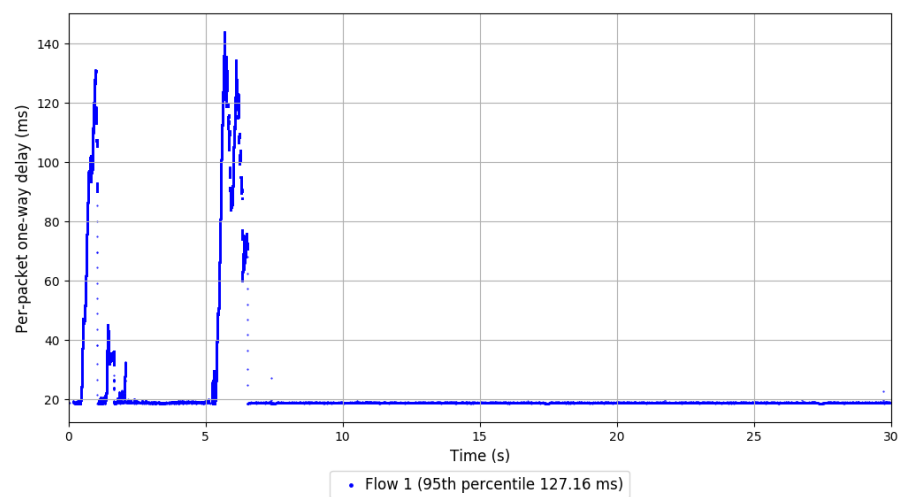
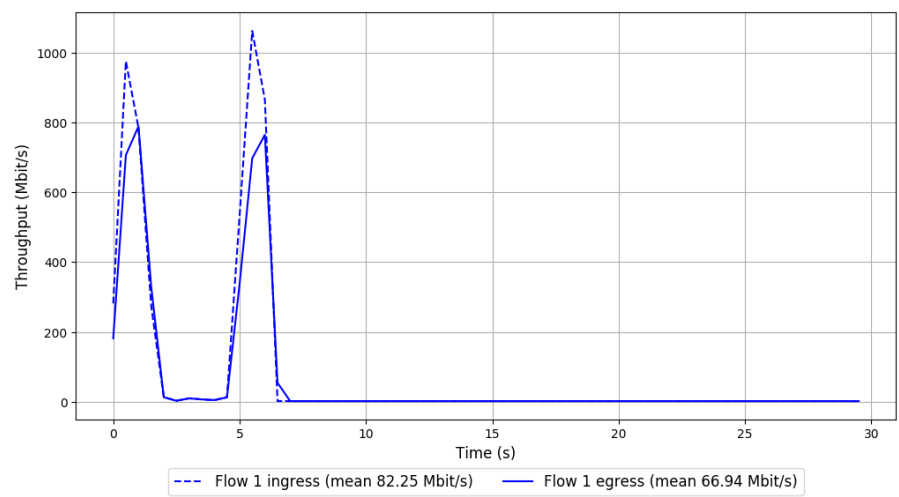


Run 4: Statistics of FillP

Start at: 2018-04-17 07:09:58
End at: 2018-04-17 07:10:28
Local clock offset: 0.084 ms
Remote clock offset: -6.499 ms

Below is generated by plot.py at 2018-04-17 12:48:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.94 Mbit/s
95th percentile per-packet one-way delay: 127.158 ms
Loss rate: 18.62%
-- Flow 1:
Average throughput: 66.94 Mbit/s
95th percentile per-packet one-way delay: 127.158 ms
Loss rate: 18.62%

Run 4: Report of FillP — Data Link

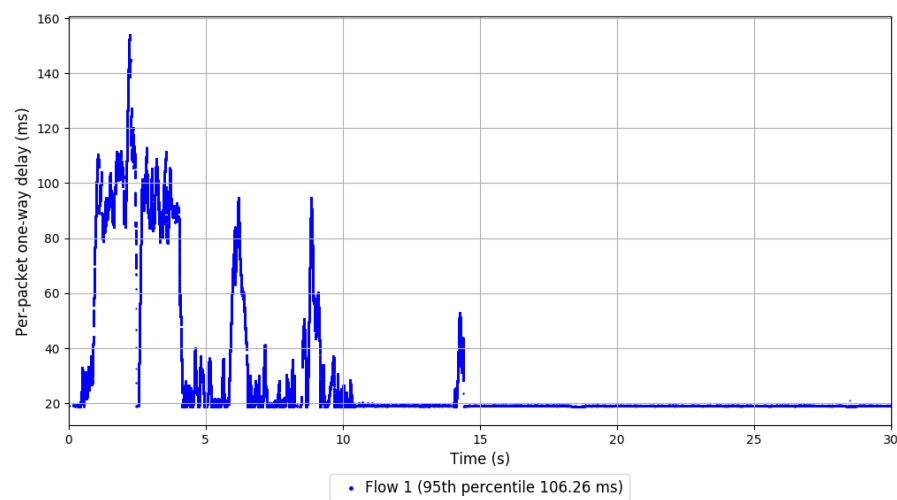
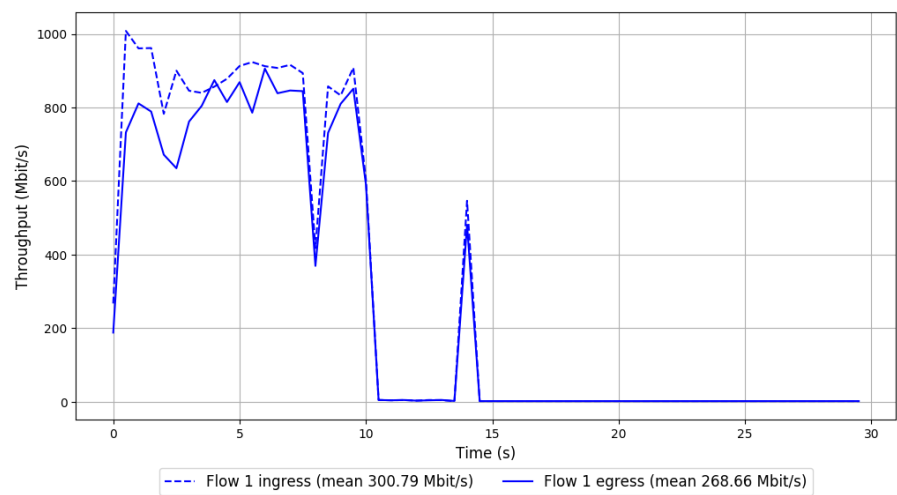


Run 5: Statistics of FillP

Start at: 2018-04-17 07:34:47
End at: 2018-04-17 07:35:17
Local clock offset: -0.184 ms
Remote clock offset: -6.039 ms

Below is generated by plot.py at 2018-04-17 12:48:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 268.66 Mbit/s
95th percentile per-packet one-way delay: 106.262 ms
Loss rate: 10.68%
-- Flow 1:
Average throughput: 268.66 Mbit/s
95th percentile per-packet one-way delay: 106.262 ms
Loss rate: 10.68%

Run 5: Report of FillP — Data Link

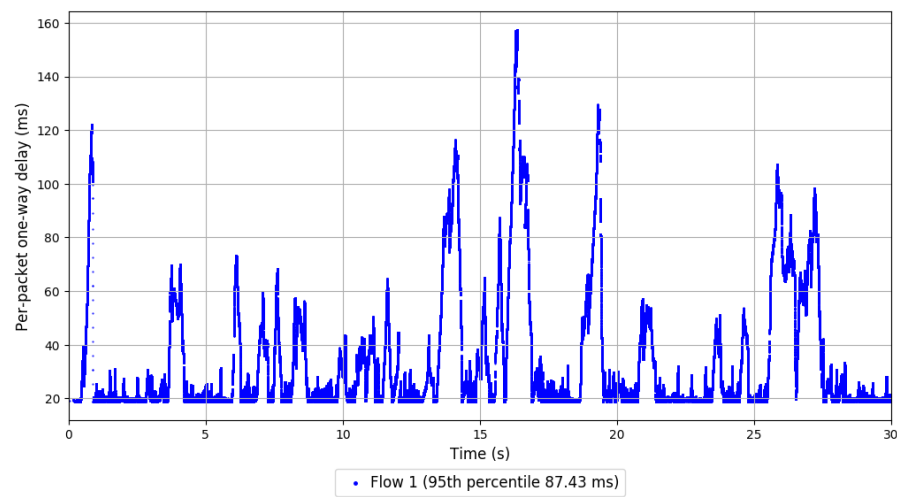
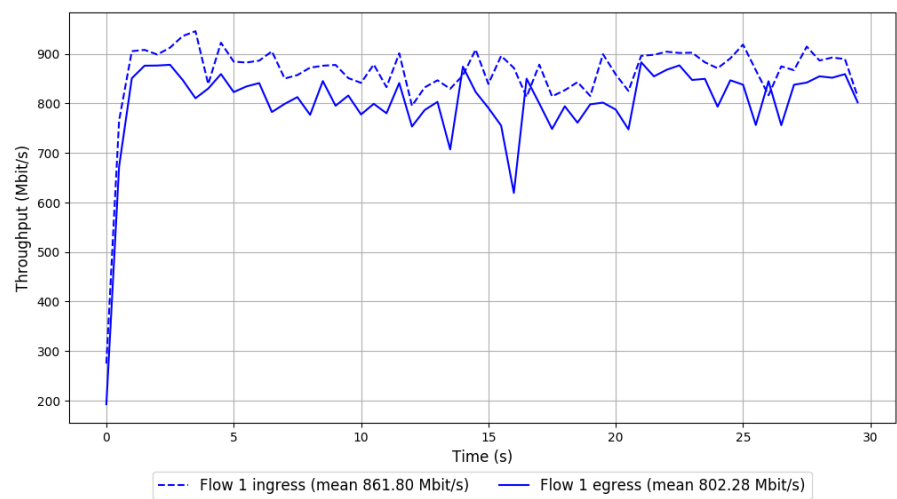


Run 6: Statistics of FillP

Start at: 2018-04-17 07:59:49
End at: 2018-04-17 08:00:19
Local clock offset: -0.004 ms
Remote clock offset: -6.073 ms

Below is generated by plot.py at 2018-04-17 12:56:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 802.28 Mbit/s
95th percentile per-packet one-way delay: 87.434 ms
Loss rate: 6.90%
-- Flow 1:
Average throughput: 802.28 Mbit/s
95th percentile per-packet one-way delay: 87.434 ms
Loss rate: 6.90%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-04-17 08:25:09

End at: 2018-04-17 08:25:39

Local clock offset: -0.032 ms

Remote clock offset: -5.94 ms

Below is generated by plot.py at 2018-04-17 12:56:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 279.18 Mbit/s

95th percentile per-packet one-way delay: 114.546 ms

Loss rate: 10.32%

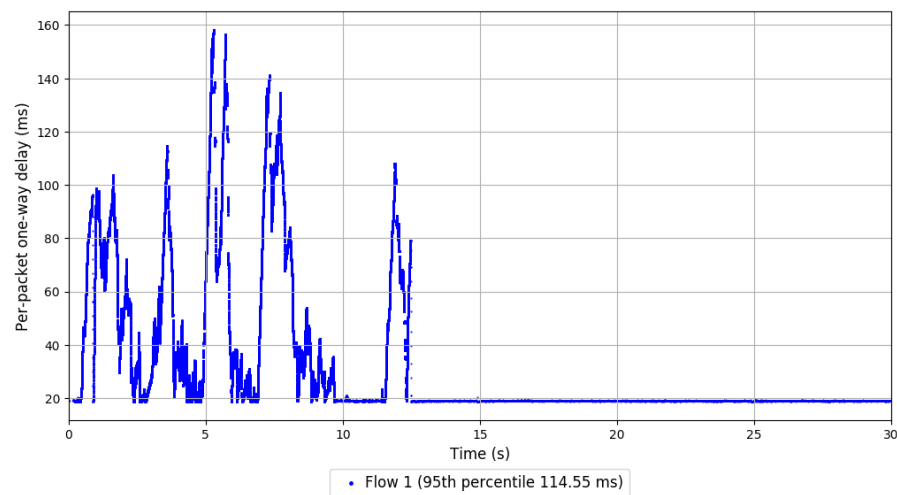
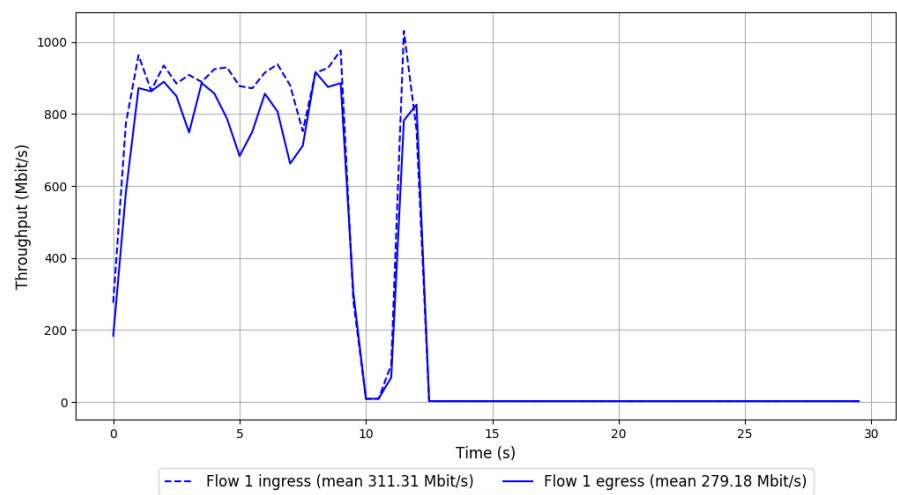
-- Flow 1:

Average throughput: 279.18 Mbit/s

95th percentile per-packet one-way delay: 114.546 ms

Loss rate: 10.32%

Run 7: Report of FillP — Data Link

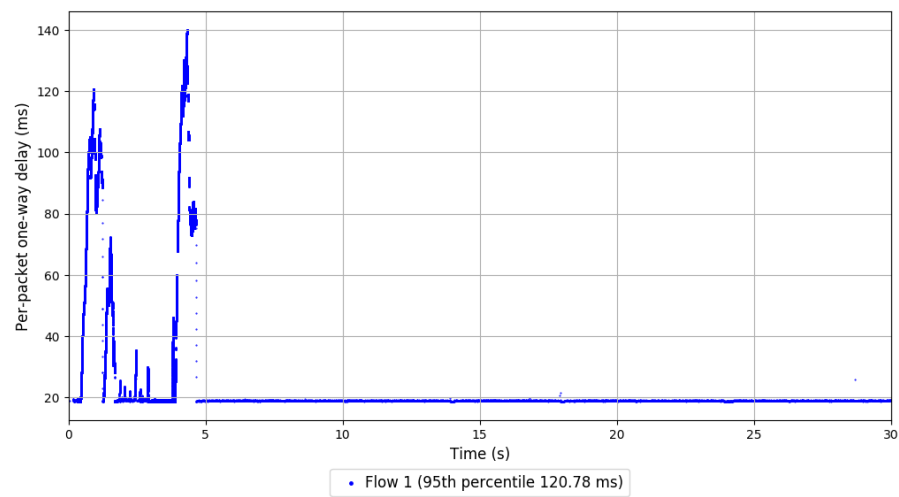
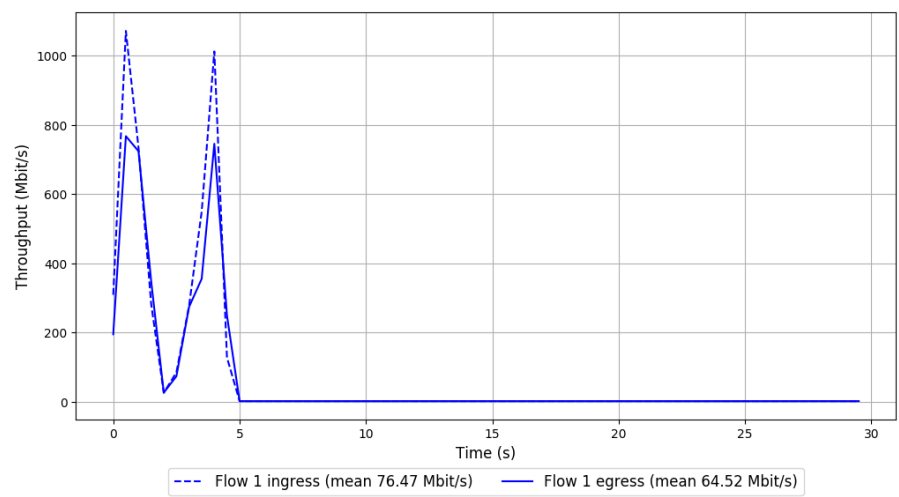


Run 8: Statistics of FillP

Start at: 2018-04-17 08:50:00
End at: 2018-04-17 08:50:30
Local clock offset: -0.128 ms
Remote clock offset: -5.143 ms

Below is generated by plot.py at 2018-04-17 12:56:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 64.52 Mbit/s
95th percentile per-packet one-way delay: 120.777 ms
Loss rate: 15.62%
-- Flow 1:
Average throughput: 64.52 Mbit/s
95th percentile per-packet one-way delay: 120.777 ms
Loss rate: 15.62%

Run 8: Report of FillP — Data Link

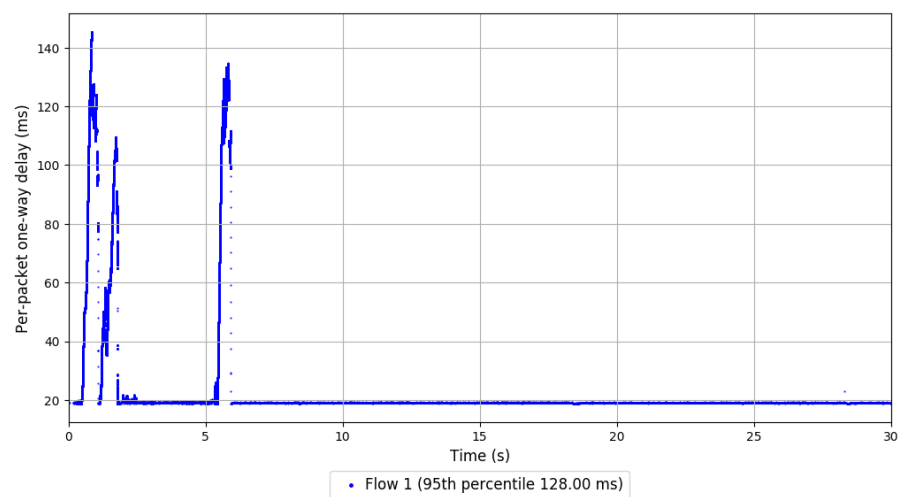
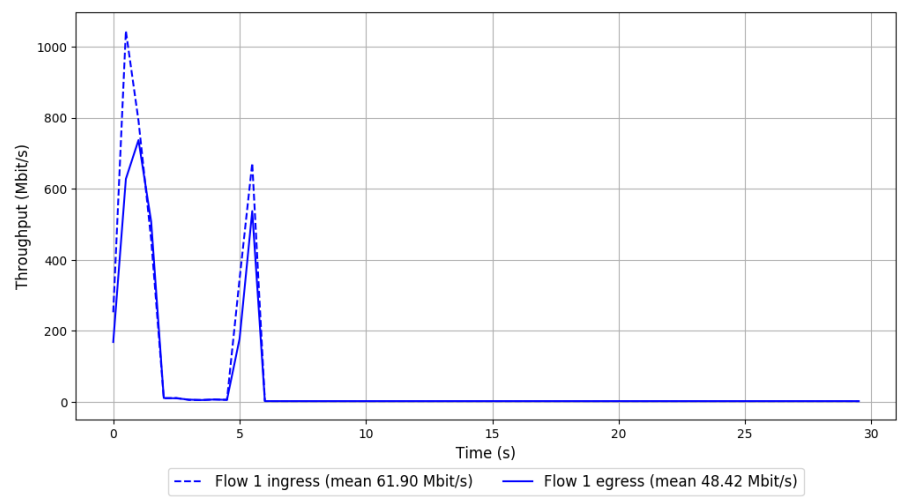


Run 9: Statistics of FillP

Start at: 2018-04-17 09:14:45
End at: 2018-04-17 09:15:15
Local clock offset: -0.164 ms
Remote clock offset: -5.115 ms

Below is generated by plot.py at 2018-04-17 12:56:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 48.42 Mbit/s
95th percentile per-packet one-way delay: 128.003 ms
Loss rate: 21.78%
-- Flow 1:
Average throughput: 48.42 Mbit/s
95th percentile per-packet one-way delay: 128.003 ms
Loss rate: 21.78%

Run 9: Report of FillP — Data Link

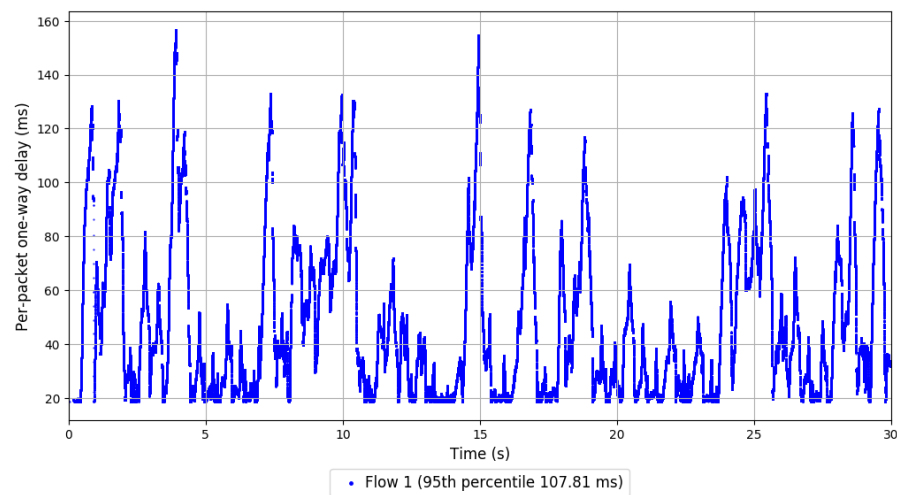
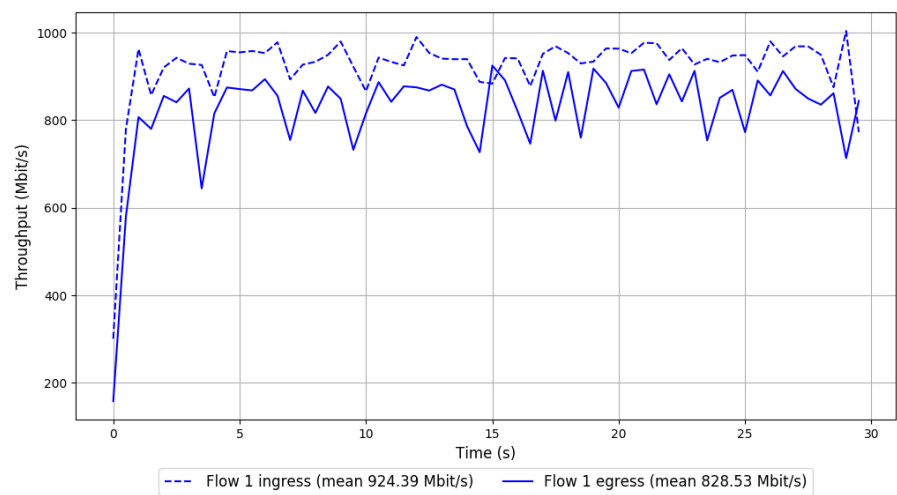


Run 10: Statistics of FillP

Start at: 2018-04-17 09:39:35
End at: 2018-04-17 09:40:05
Local clock offset: 0.14 ms
Remote clock offset: -5.317 ms

Below is generated by plot.py at 2018-04-17 12:59:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 828.53 Mbit/s
95th percentile per-packet one-way delay: 107.805 ms
Loss rate: 10.37%
-- Flow 1:
Average throughput: 828.53 Mbit/s
95th percentile per-packet one-way delay: 107.805 ms
Loss rate: 10.37%

Run 10: Report of FillP — Data Link

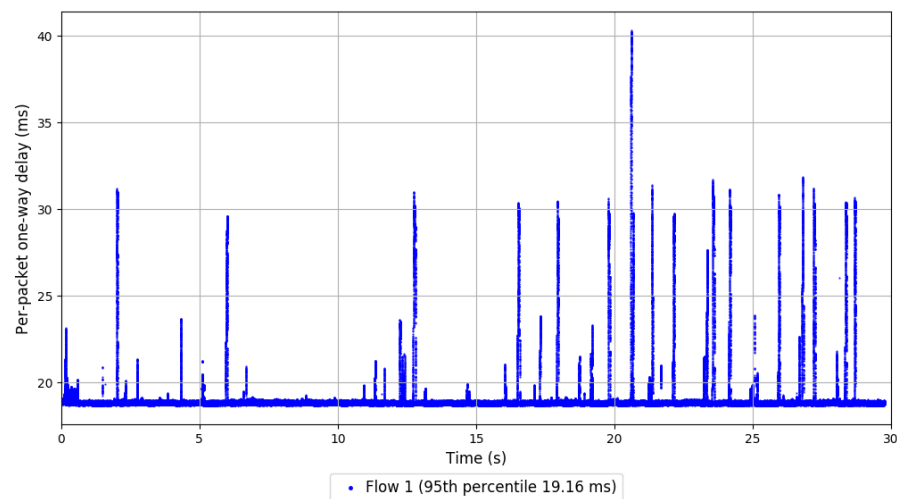
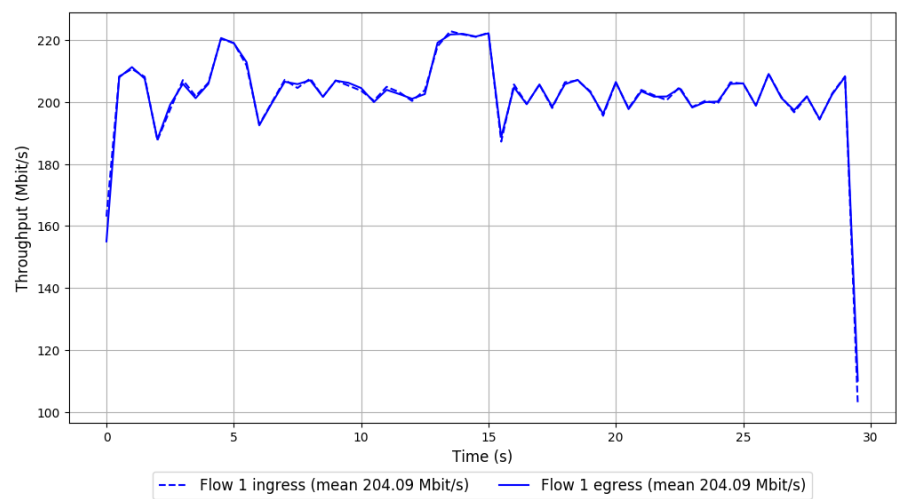


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-04-17 05:50:31
End at: 2018-04-17 05:51:01
Local clock offset: -0.162 ms
Remote clock offset: -5.522 ms

# Below is generated by plot.py at 2018-04-17 12:59:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 204.09 Mbit/s
95th percentile per-packet one-way delay: 19.157 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 204.09 Mbit/s
95th percentile per-packet one-way delay: 19.157 ms
Loss rate: 0.00%
```

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



Run 2: Statistics of Indigo-1-32

Start at: 2018-04-17 06:15:39

End at: 2018-04-17 06:16:09

Local clock offset: 0.134 ms

Remote clock offset: -6.27 ms

Below is generated by plot.py at 2018-04-17 12:59:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.21 Mbit/s

95th percentile per-packet one-way delay: 17.439 ms

Loss rate: 0.00%

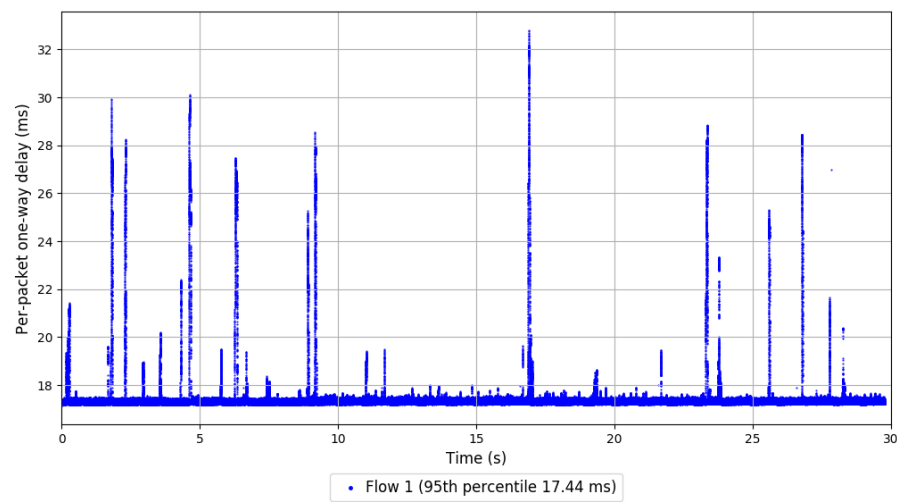
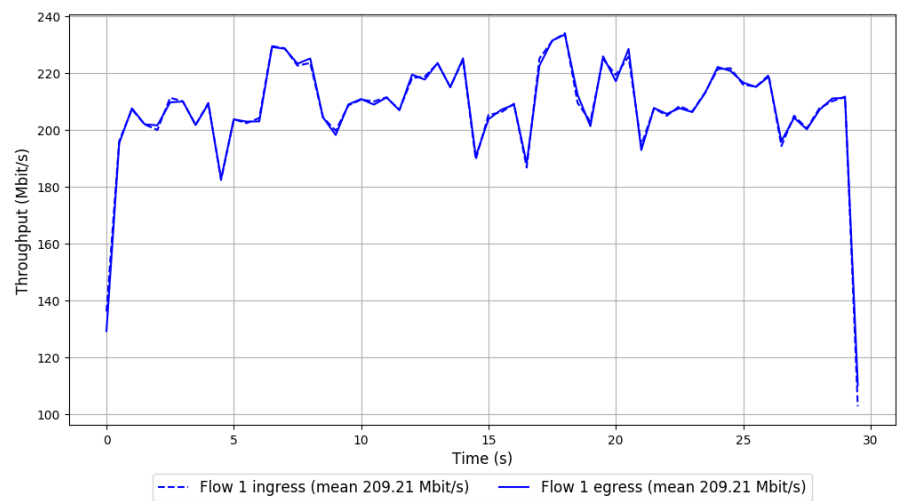
-- Flow 1:

Average throughput: 209.21 Mbit/s

95th percentile per-packet one-way delay: 17.439 ms

Loss rate: 0.00%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-04-17 06:40:35

End at: 2018-04-17 06:41:05

Local clock offset: 0.187 ms

Remote clock offset: -6.98 ms

Below is generated by plot.py at 2018-04-17 12:59:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 203.34 Mbit/s

95th percentile per-packet one-way delay: 18.783 ms

Loss rate: 0.00%

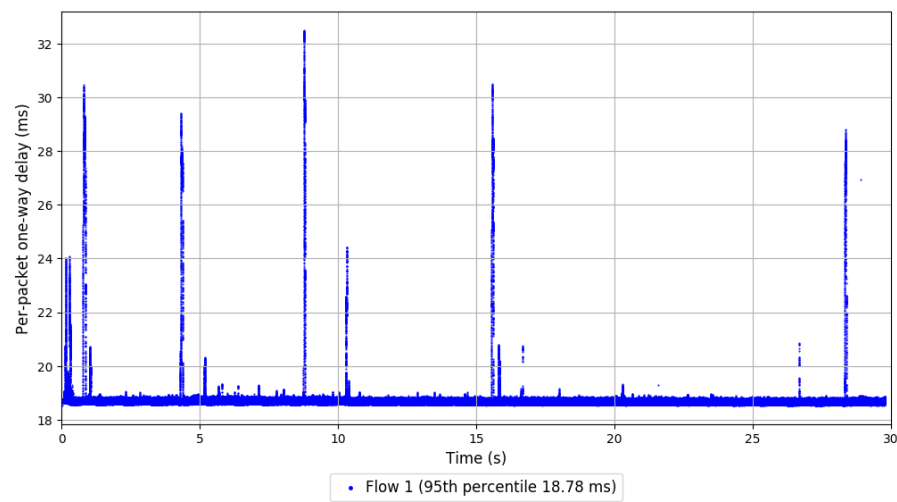
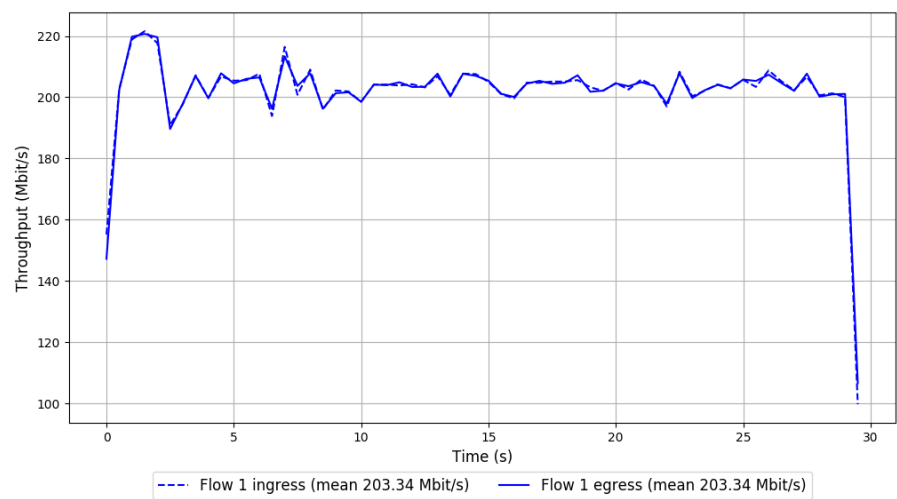
-- Flow 1:

Average throughput: 203.34 Mbit/s

95th percentile per-packet one-way delay: 18.783 ms

Loss rate: 0.00%

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

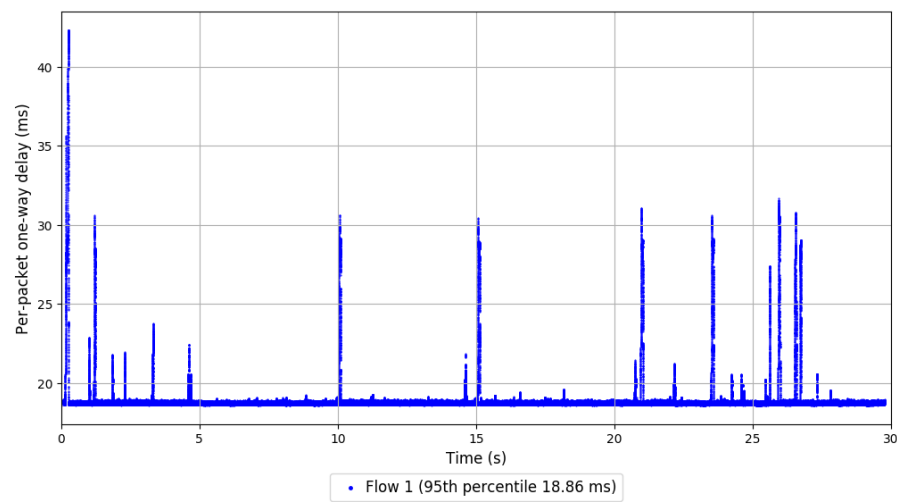
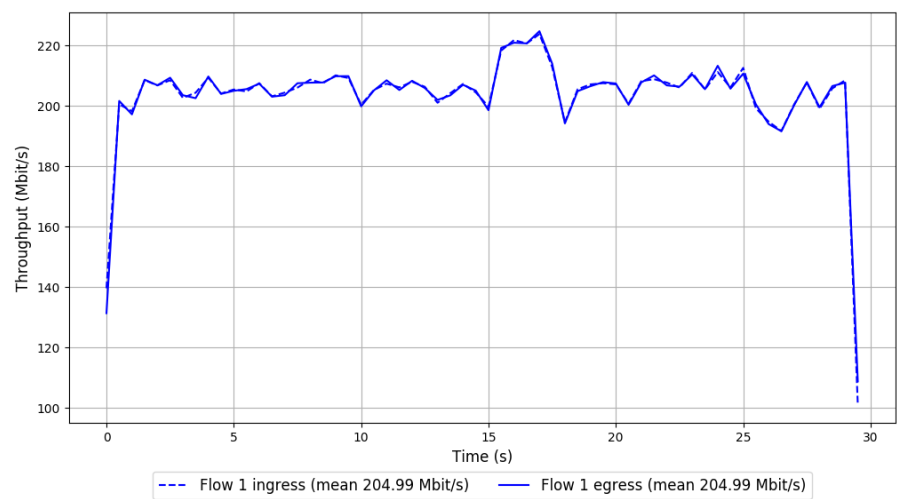


Run 4: Statistics of Indigo-1-32

Start at: 2018-04-17 07:05:41
End at: 2018-04-17 07:06:11
Local clock offset: 0.144 ms
Remote clock offset: -6.523 ms

Below is generated by plot.py at 2018-04-17 12:59:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 204.99 Mbit/s
95th percentile per-packet one-way delay: 18.862 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 204.99 Mbit/s
95th percentile per-packet one-way delay: 18.862 ms
Loss rate: 0.00%

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

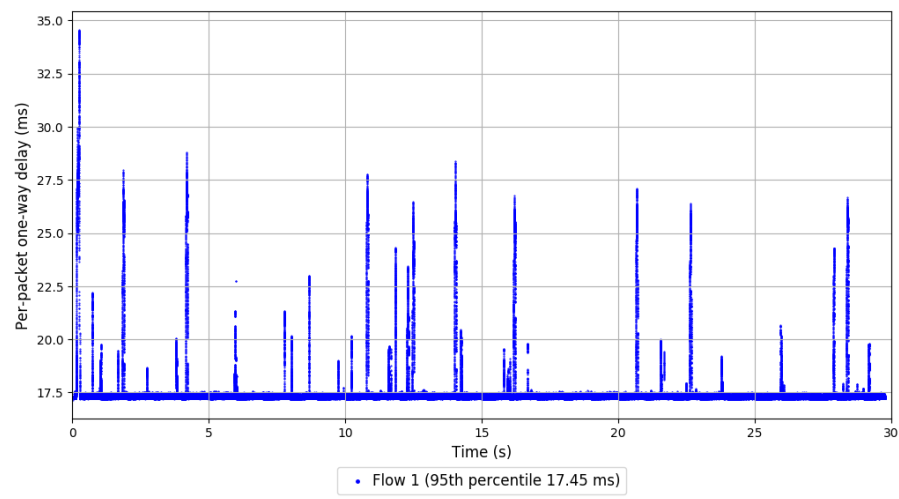
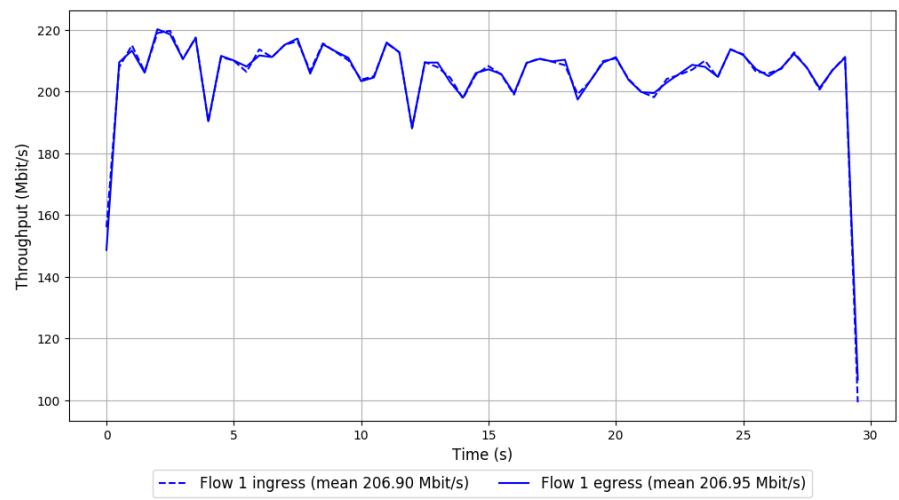


Run 5: Statistics of Indigo-1-32

Start at: 2018-04-17 07:30:29
End at: 2018-04-17 07:30:59
Local clock offset: -0.135 ms
Remote clock offset: -5.991 ms

Below is generated by plot.py at 2018-04-17 12:59:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 206.95 Mbit/s
95th percentile per-packet one-way delay: 17.445 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 206.95 Mbit/s
95th percentile per-packet one-way delay: 17.445 ms
Loss rate: 0.00%

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

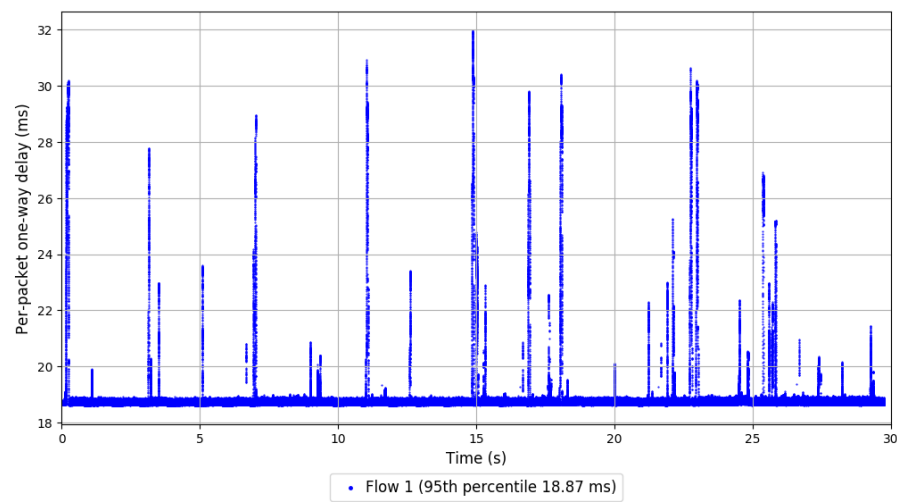
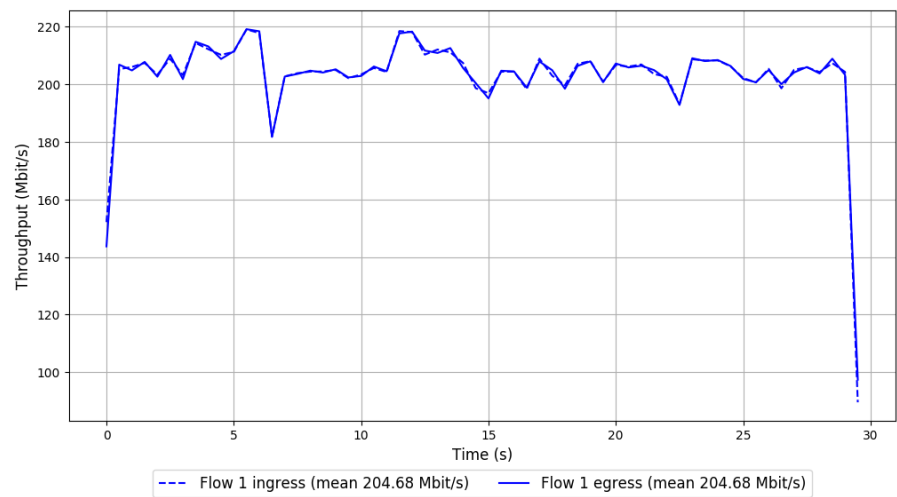


Run 6: Statistics of Indigo-1-32

Start at: 2018-04-17 07:55:25
End at: 2018-04-17 07:55:55
Local clock offset: 0.062 ms
Remote clock offset: -6.103 ms

Below is generated by plot.py at 2018-04-17 12:59:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 204.68 Mbit/s
95th percentile per-packet one-way delay: 18.866 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 204.68 Mbit/s
95th percentile per-packet one-way delay: 18.866 ms
Loss rate: 0.00%

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

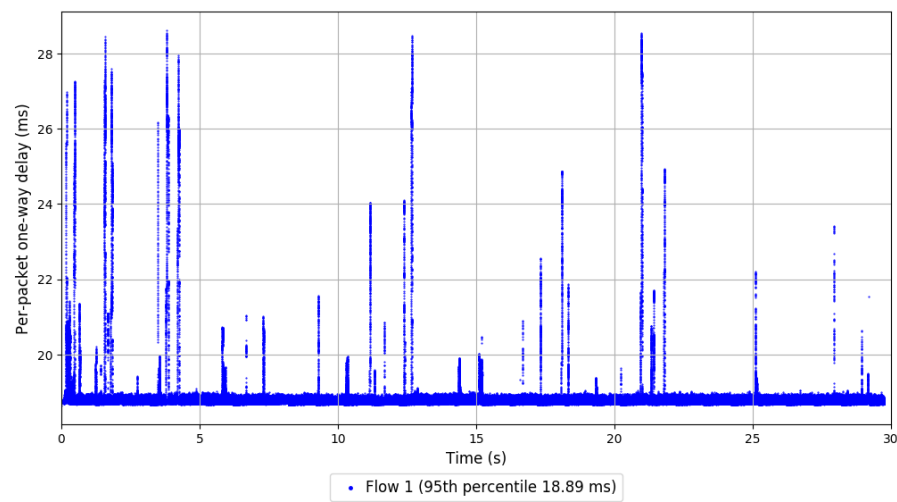
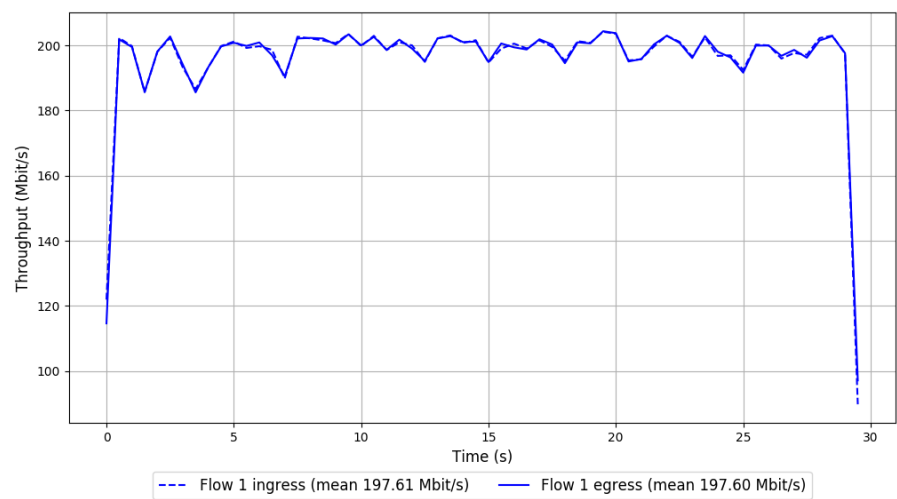


Run 7: Statistics of Indigo-1-32

Start at: 2018-04-17 08:20:49
End at: 2018-04-17 08:21:19
Local clock offset: -0.052 ms
Remote clock offset: -6.197 ms

Below is generated by plot.py at 2018-04-17 12:59:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 197.60 Mbit/s
95th percentile per-packet one-way delay: 18.892 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 197.60 Mbit/s
95th percentile per-packet one-way delay: 18.892 ms
Loss rate: 0.00%

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

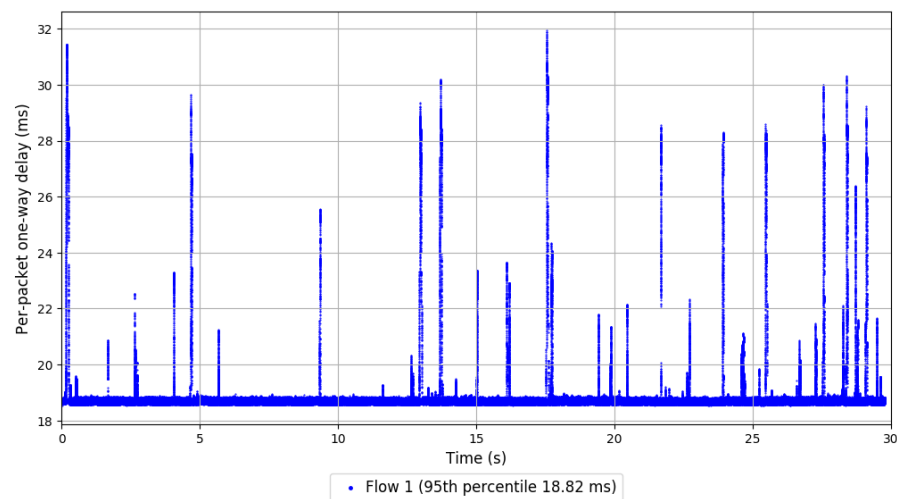
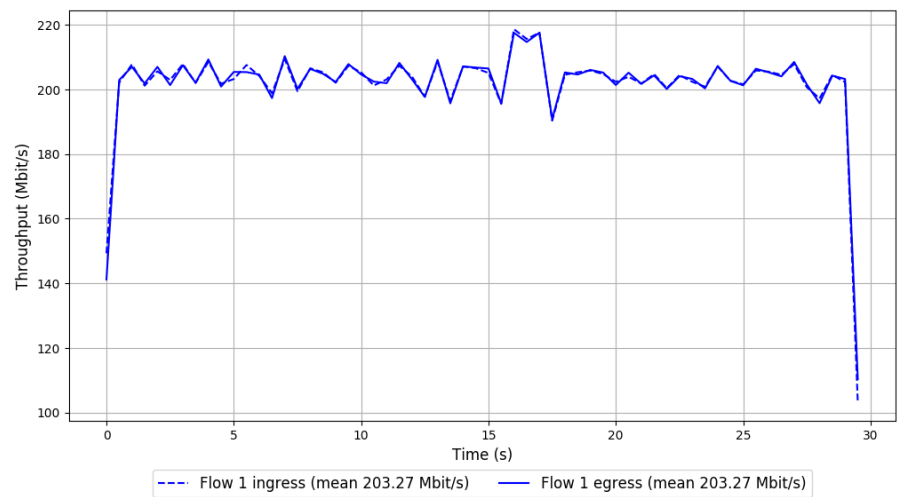


Run 8: Statistics of Indigo-1-32

Start at: 2018-04-17 08:45:41
End at: 2018-04-17 08:46:11
Local clock offset: -0.102 ms
Remote clock offset: -5.238 ms

Below is generated by plot.py at 2018-04-17 12:59:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 203.27 Mbit/s
95th percentile per-packet one-way delay: 18.816 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 203.27 Mbit/s
95th percentile per-packet one-way delay: 18.816 ms
Loss rate: 0.00%

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

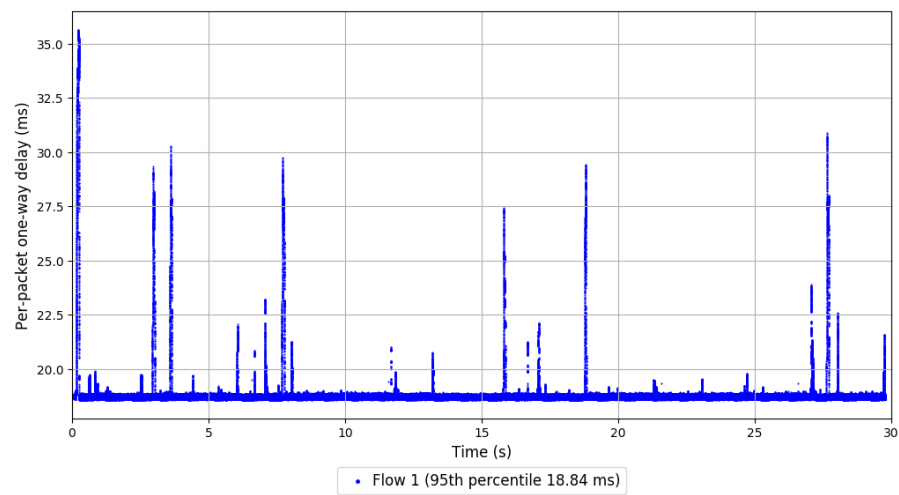
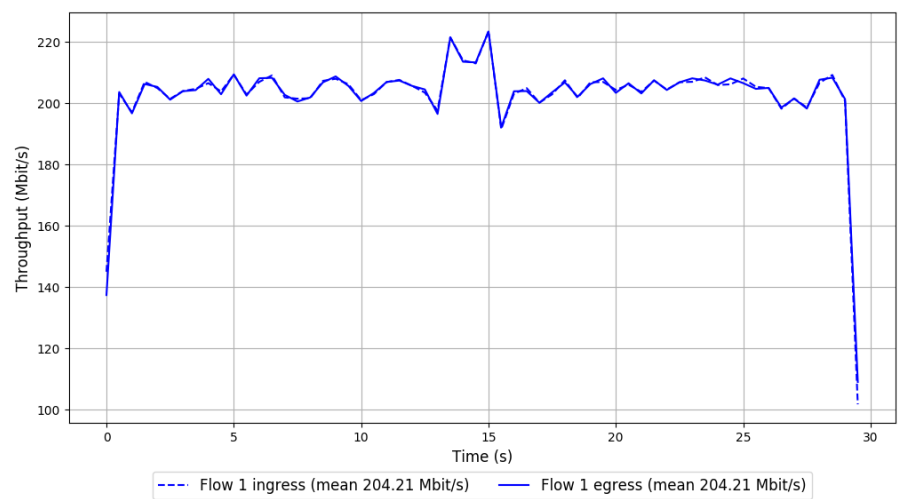


Run 9: Statistics of Indigo-1-32

Start at: 2018-04-17 09:10:26
End at: 2018-04-17 09:10:56
Local clock offset: -0.091 ms
Remote clock offset: -5.197 ms

Below is generated by plot.py at 2018-04-17 12:59:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 204.21 Mbit/s
95th percentile per-packet one-way delay: 18.836 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 204.21 Mbit/s
95th percentile per-packet one-way delay: 18.836 ms
Loss rate: 0.00%

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

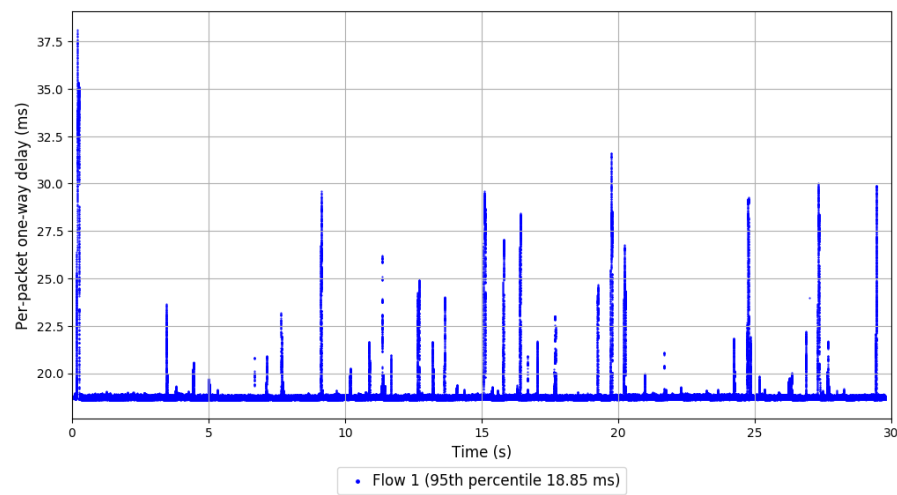
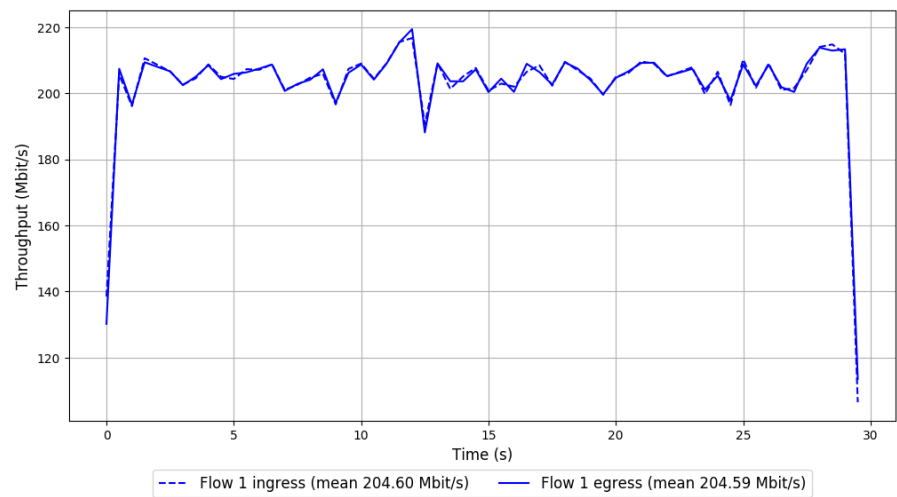


Run 10: Statistics of Indigo-1-32

Start at: 2018-04-17 09:35:15
End at: 2018-04-17 09:35:45
Local clock offset: 0.091 ms
Remote clock offset: -5.229 ms

Below is generated by plot.py at 2018-04-17 12:59:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 204.59 Mbit/s
95th percentile per-packet one-way delay: 18.851 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 204.59 Mbit/s
95th percentile per-packet one-way delay: 18.851 ms
Loss rate: 0.00%

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



Run 1: Statistics of PCC-Vivace

Start at: 2018-04-17 05:43:08

End at: 2018-04-17 05:43:38

Local clock offset: -0.045 ms

Remote clock offset: -5.763 ms

Below is generated by plot.py at 2018-04-17 12:59:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 395.15 Mbit/s

95th percentile per-packet one-way delay: 57.196 ms

Loss rate: 0.00%

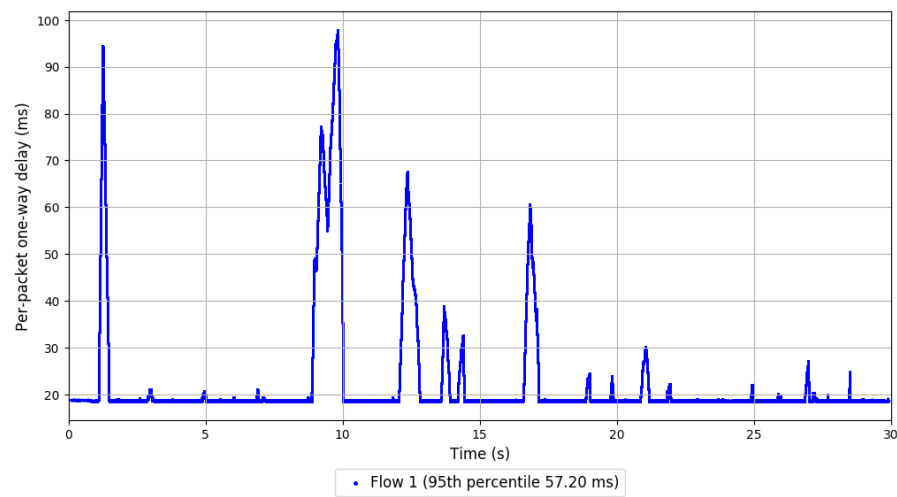
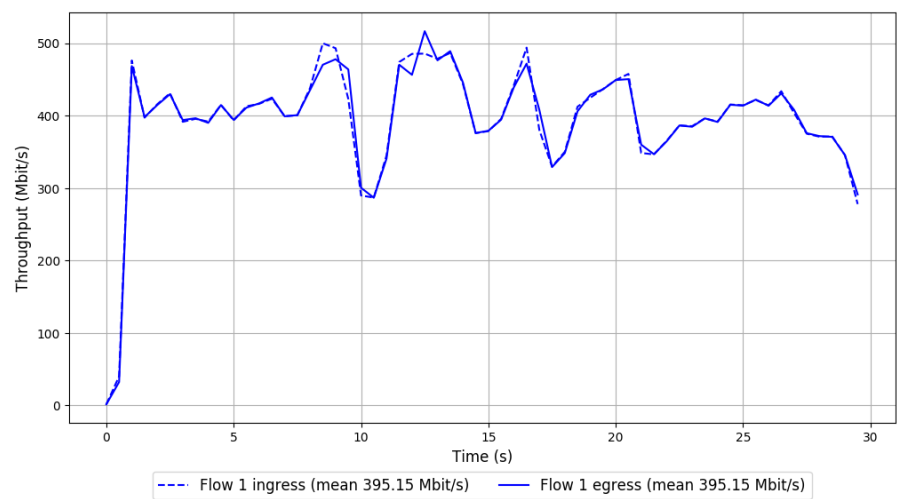
-- Flow 1:

Average throughput: 395.15 Mbit/s

95th percentile per-packet one-way delay: 57.196 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-04-17 06:08:13

End at: 2018-04-17 06:08:44

Local clock offset: 0.08 ms

Remote clock offset: -5.676 ms

Below is generated by plot.py at 2018-04-17 12:59:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 404.65 Mbit/s

95th percentile per-packet one-way delay: 74.147 ms

Loss rate: 0.30%

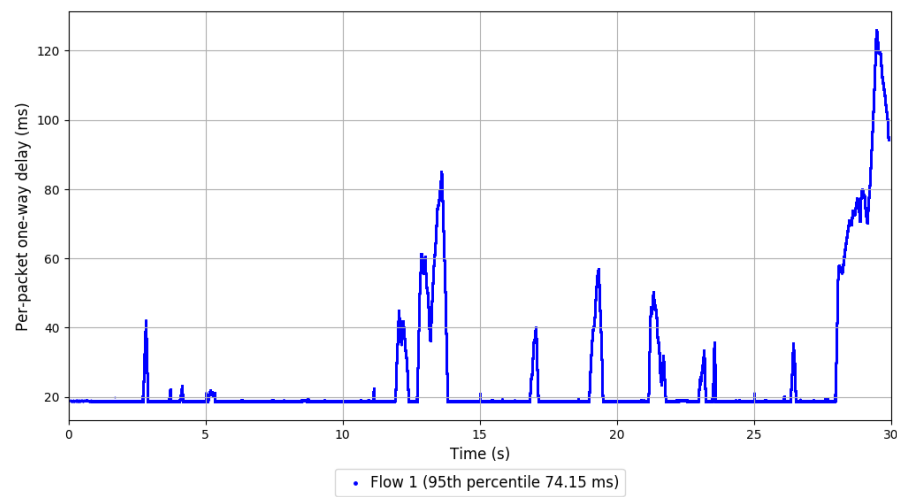
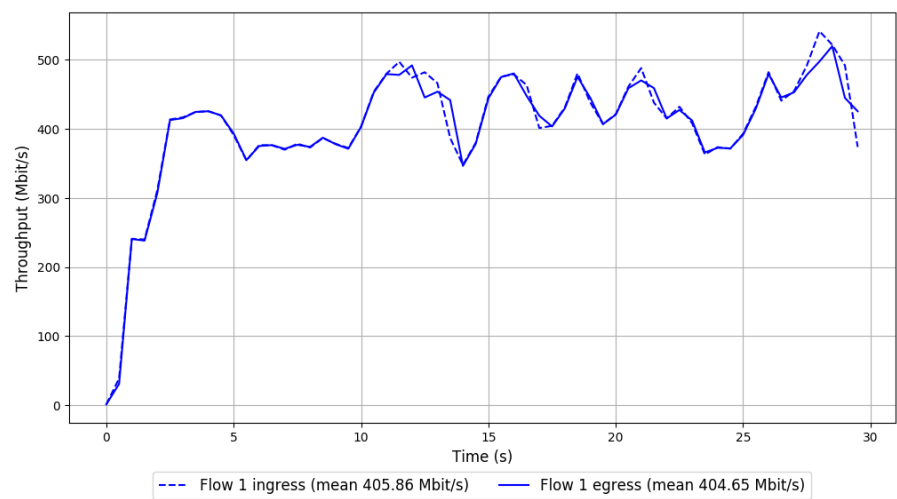
-- Flow 1:

Average throughput: 404.65 Mbit/s

95th percentile per-packet one-way delay: 74.147 ms

Loss rate: 0.30%

Run 2: Report of PCC-Vivace — Data Link

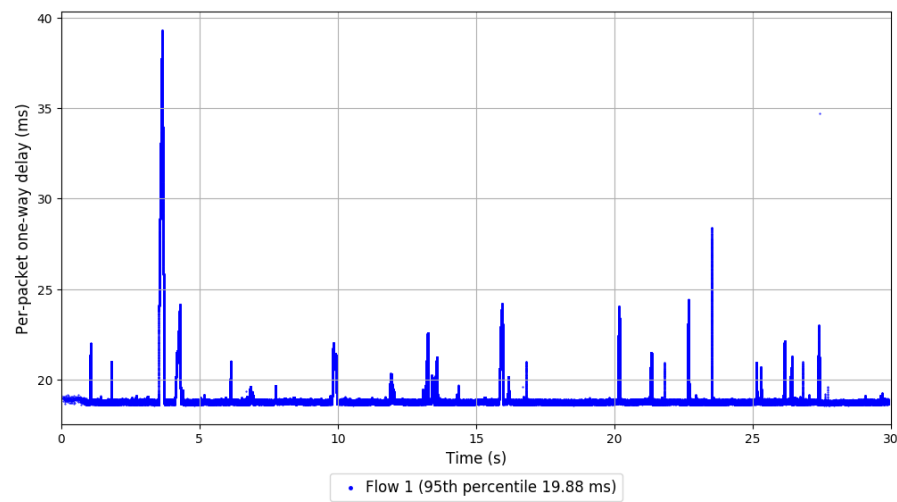
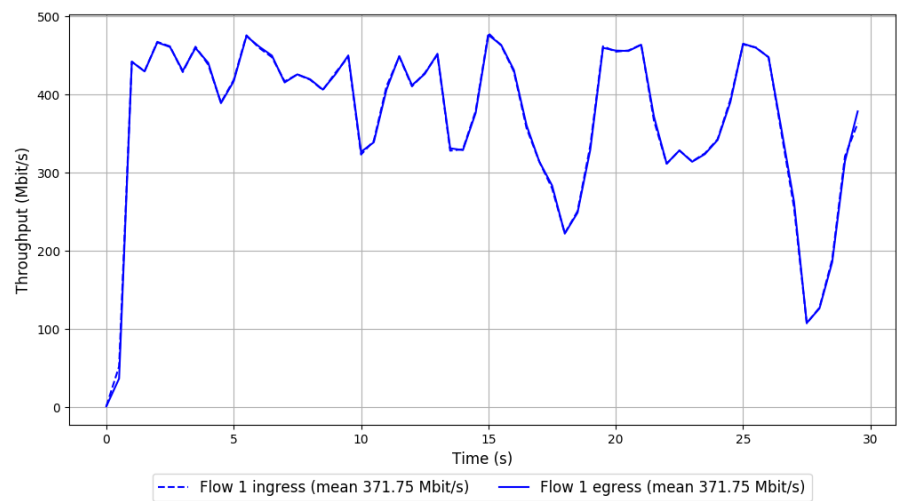


Run 3: Statistics of PCC-Vivace

Start at: 2018-04-17 06:33:12
End at: 2018-04-17 06:33:42
Local clock offset: 0.16 ms
Remote clock offset: -6.854 ms

Below is generated by plot.py at 2018-04-17 12:59:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 371.75 Mbit/s
95th percentile per-packet one-way delay: 19.881 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 371.75 Mbit/s
95th percentile per-packet one-way delay: 19.881 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

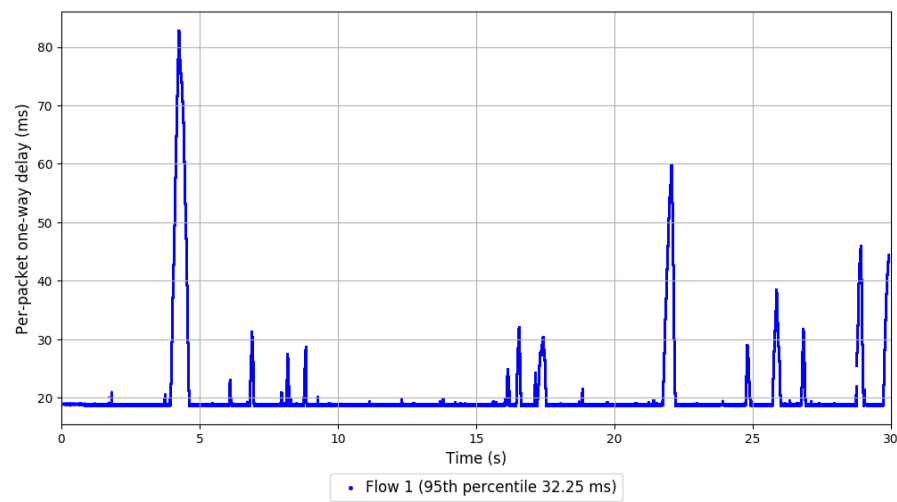
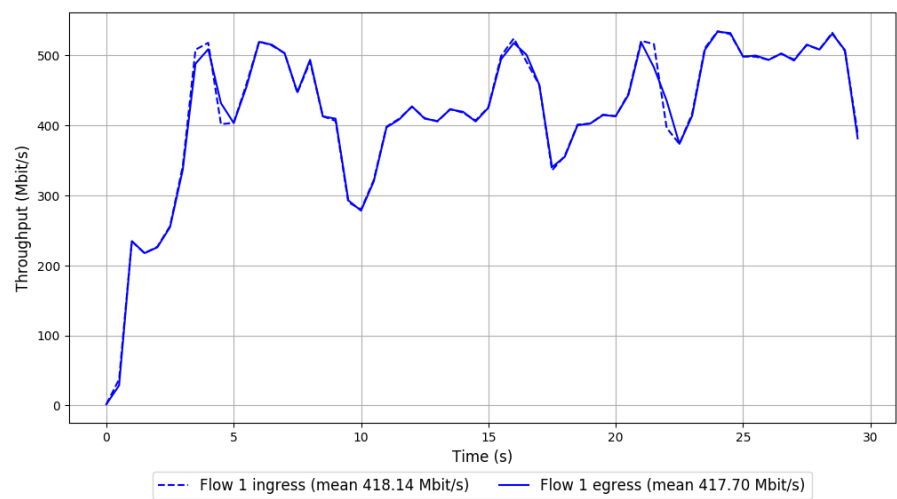


Run 4: Statistics of PCC-Vivace

Start at: 2018-04-17 06:58:17
End at: 2018-04-17 06:58:47
Local clock offset: 0.143 ms
Remote clock offset: -6.473 ms

Below is generated by plot.py at 2018-04-17 12:59:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 417.70 Mbit/s
95th percentile per-packet one-way delay: 32.249 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 417.70 Mbit/s
95th percentile per-packet one-way delay: 32.249 ms
Loss rate: 0.10%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-04-17 07:23:04

End at: 2018-04-17 07:23:34

Local clock offset: -0.158 ms

Remote clock offset: -6.08 ms

Below is generated by plot.py at 2018-04-17 12:59:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 442.33 Mbit/s

95th percentile per-packet one-way delay: 47.378 ms

Loss rate: 0.00%

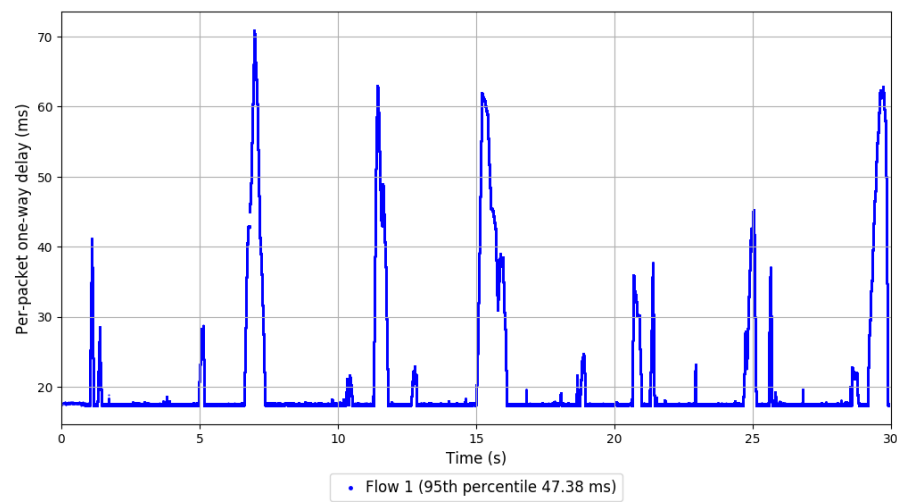
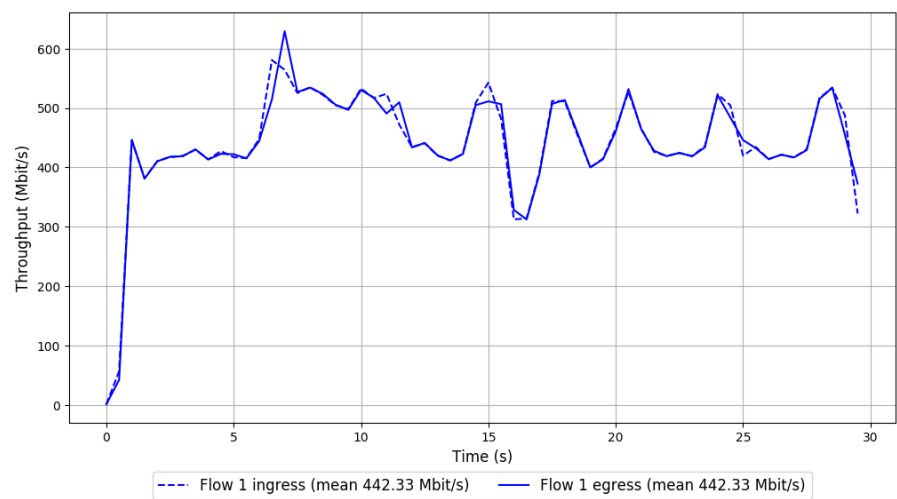
-- Flow 1:

Average throughput: 442.33 Mbit/s

95th percentile per-packet one-way delay: 47.378 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-04-17 07:48:02

End at: 2018-04-17 07:48:32

Local clock offset: 0.002 ms

Remote clock offset: -5.903 ms

Below is generated by plot.py at 2018-04-17 13:00:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 402.26 Mbit/s

95th percentile per-packet one-way delay: 50.182 ms

Loss rate: 0.06%

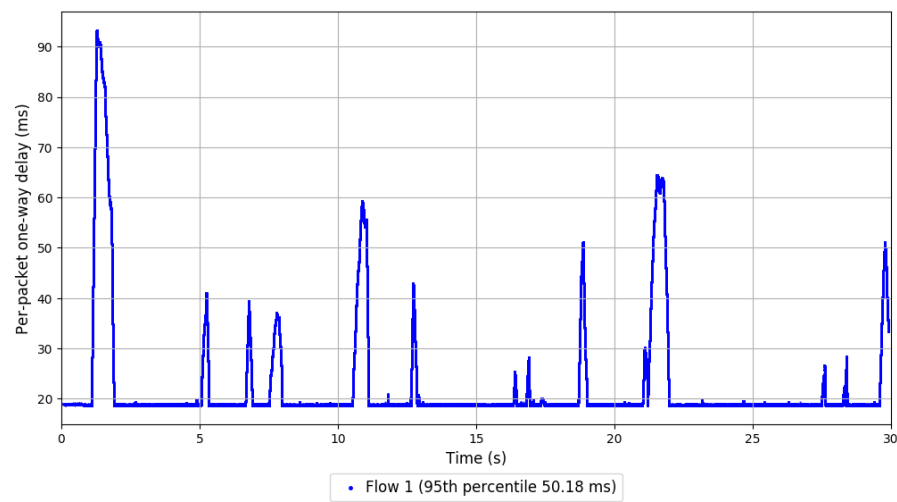
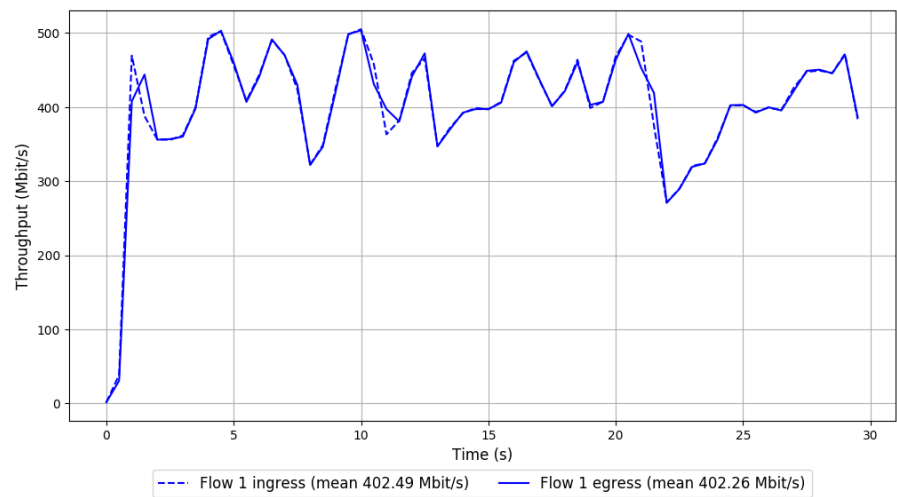
-- Flow 1:

Average throughput: 402.26 Mbit/s

95th percentile per-packet one-way delay: 50.182 ms

Loss rate: 0.06%

Run 6: Report of PCC-Vivace — Data Link

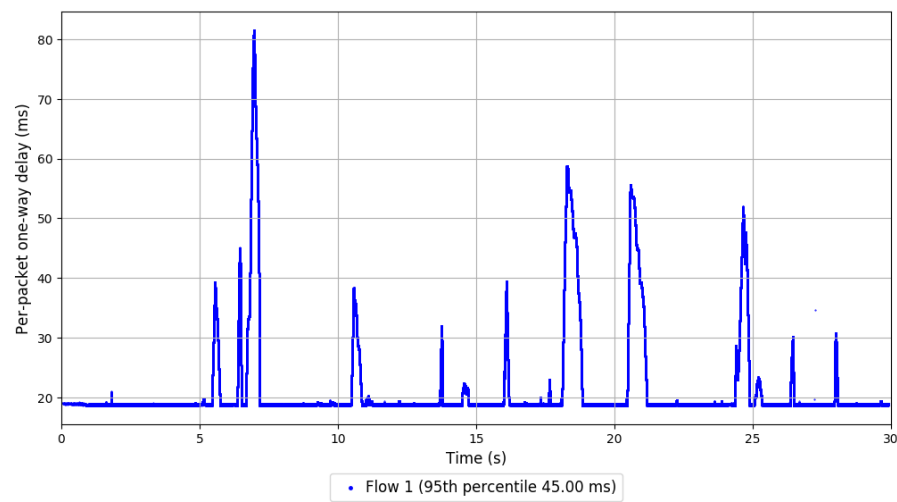
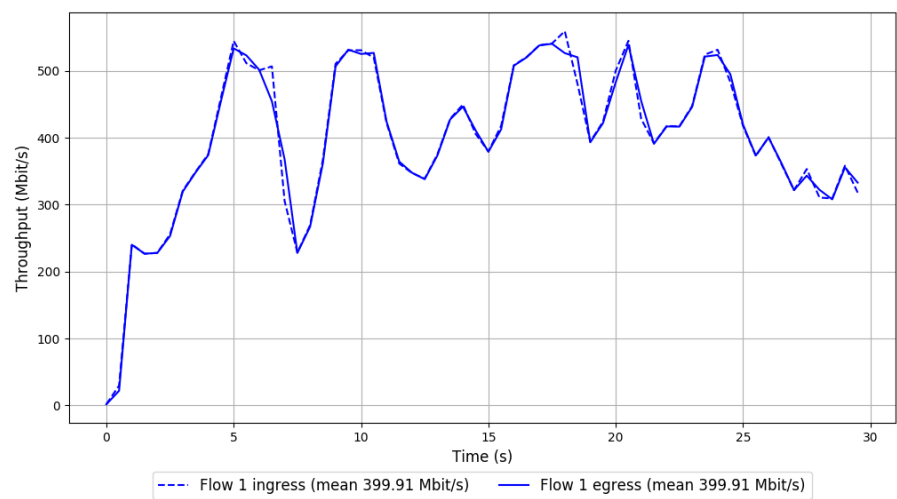


Run 7: Statistics of PCC-Vivace

Start at: 2018-04-17 08:13:18
End at: 2018-04-17 08:13:48
Local clock offset: 0.069 ms
Remote clock offset: -6.144 ms

Below is generated by plot.py at 2018-04-17 13:00:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 399.91 Mbit/s
95th percentile per-packet one-way delay: 45.004 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 399.91 Mbit/s
95th percentile per-packet one-way delay: 45.004 ms
Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link

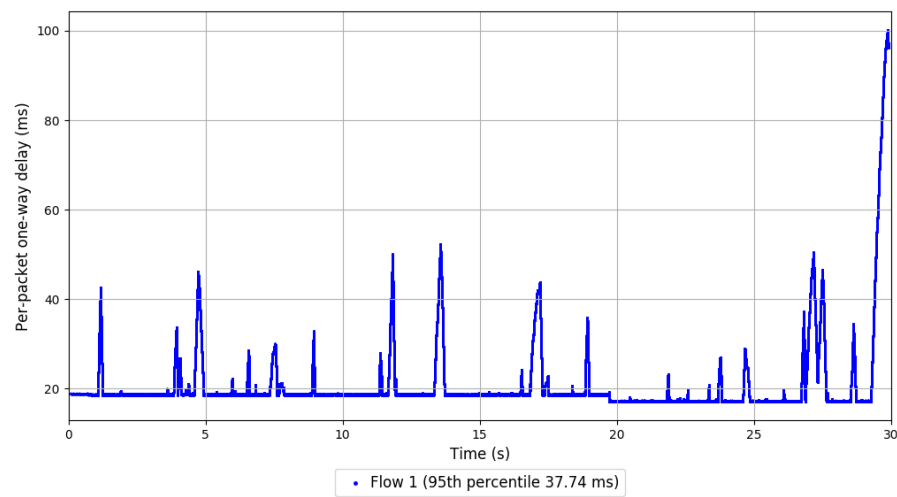
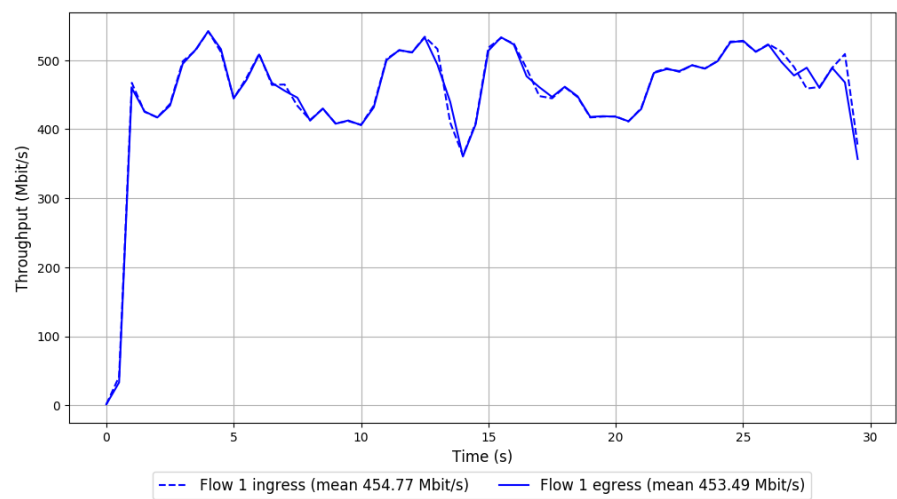


Run 8: Statistics of PCC-Vivace

Start at: 2018-04-17 08:38:15
End at: 2018-04-17 08:38:45
Local clock offset: -0.069 ms
Remote clock offset: -5.404 ms

Below is generated by plot.py at 2018-04-17 13:01:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 453.49 Mbit/s
95th percentile per-packet one-way delay: 37.742 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 453.49 Mbit/s
95th percentile per-packet one-way delay: 37.742 ms
Loss rate: 0.29%

Run 8: Report of PCC-Vivace — Data Link

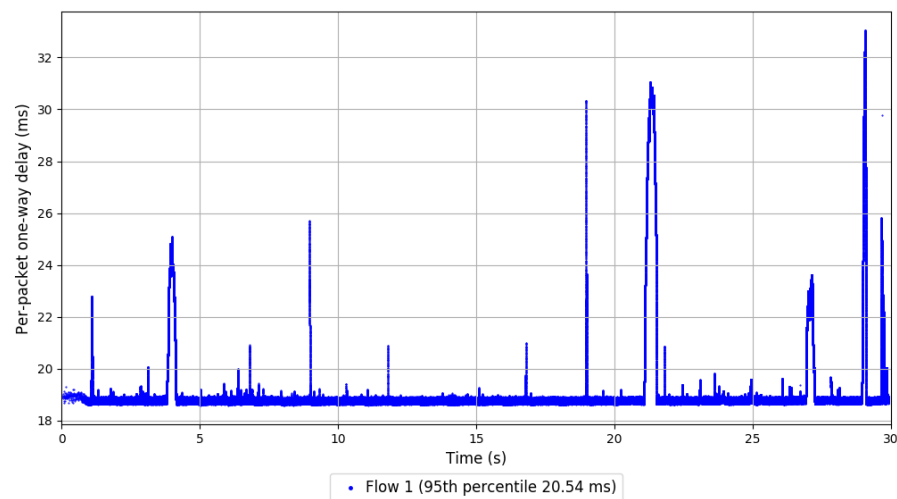
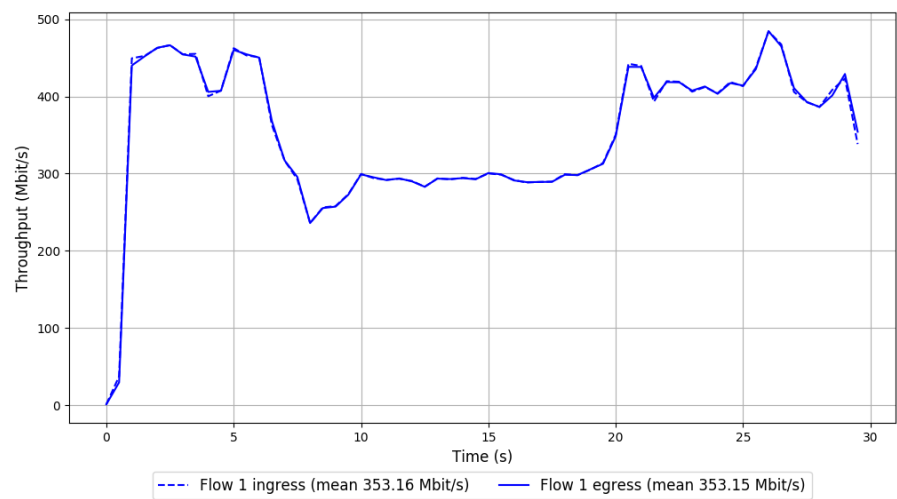


Run 9: Statistics of PCC-Vivace

Start at: 2018-04-17 09:03:05
End at: 2018-04-17 09:03:35
Local clock offset: -0.077 ms
Remote clock offset: -5.122 ms

Below is generated by plot.py at 2018-04-17 13:01:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 353.15 Mbit/s
95th percentile per-packet one-way delay: 20.539 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 353.15 Mbit/s
95th percentile per-packet one-way delay: 20.539 ms
Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-04-17 09:27:48

End at: 2018-04-17 09:28:18

Local clock offset: -0.08 ms

Remote clock offset: -5.12 ms

Below is generated by plot.py at 2018-04-17 13:01:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 432.47 Mbit/s

95th percentile per-packet one-way delay: 37.416 ms

Loss rate: 0.00%

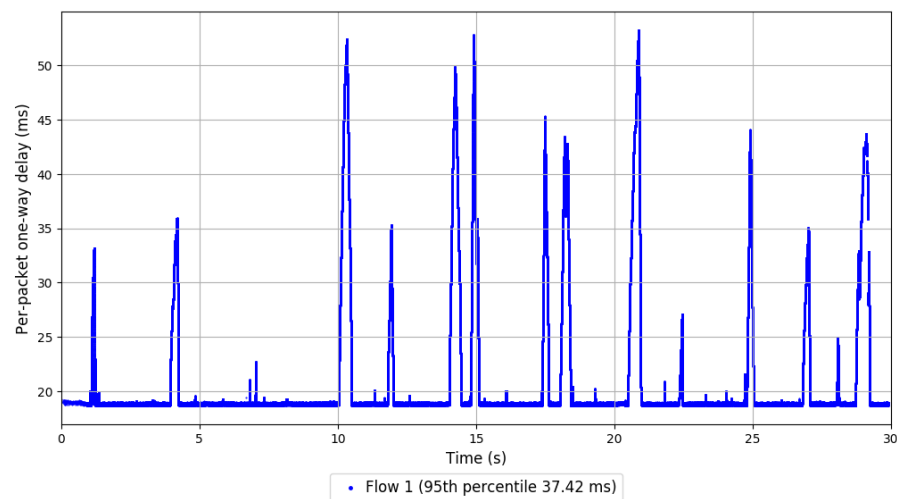
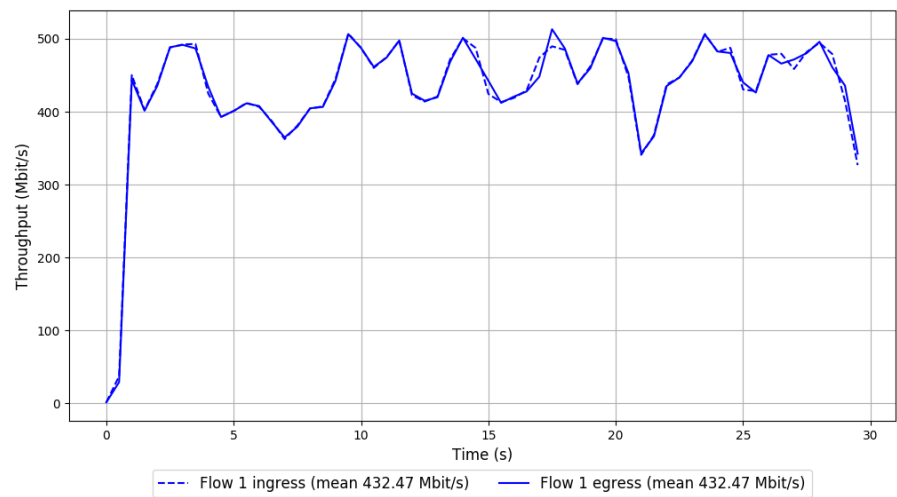
-- Flow 1:

Average throughput: 432.47 Mbit/s

95th percentile per-packet one-way delay: 37.416 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-04-17 05:47:30
End at: 2018-04-17 05:48:00
Local clock offset: -0.068 ms
Remote clock offset: -5.532 ms

Run 1: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC-Expr

Start at: 2018-04-17 06:12:37

End at: 2018-04-17 06:13:07

Local clock offset: 0.111 ms

Remote clock offset: -6.062 ms

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

Start at: 2018-04-17 06:37:34

End at: 2018-04-17 06:38:04

Local clock offset: 0.081 ms

Remote clock offset: -6.88 ms

Run 3: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of PCC-Expr

Start at: 2018-04-17 07:02:41

End at: 2018-04-17 07:03:11

Local clock offset: 0.16 ms

Remote clock offset: -6.457 ms

Run 4: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of PCC-Expr

Start at: 2018-04-17 07:27:29

End at: 2018-04-17 07:27:59

Local clock offset: -0.202 ms

Remote clock offset: -6.007 ms

Run 5: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of PCC-Expr

Start at: 2018-04-17 07:52:25

End at: 2018-04-17 07:52:55

Local clock offset: 0.055 ms

Remote clock offset: -6.068 ms

Run 6: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of PCC-Expr

Start at: 2018-04-17 08:17:48

End at: 2018-04-17 08:18:18

Local clock offset: -0.006 ms

Remote clock offset: -6.132 ms

Run 7: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-04-17 08:42:41

End at: 2018-04-17 08:43:11

Local clock offset: -0.195 ms

Remote clock offset: -5.296 ms

Run 8: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-04-17 09:07:26

End at: 2018-04-17 09:07:56

Local clock offset: -0.083 ms

Remote clock offset: -5.199 ms

Run 9: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of PCC-Expr

Start at: 2018-04-17 09:32:14

End at: 2018-04-17 09:32:44

Local clock offset: 0.072 ms

Remote clock offset: -5.07 ms

Run 10: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing