

Pantheon Report

Generated at 2018-04-17 11:36:15 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

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

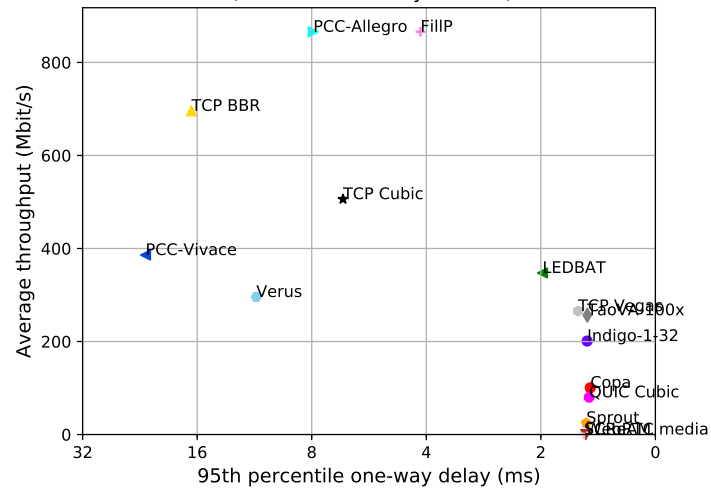
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

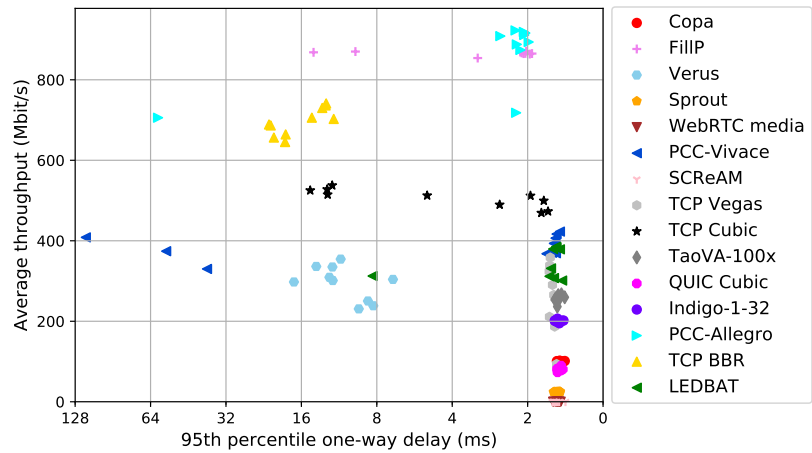
Git summary:

```
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 Stanford Ethernet to AWS California 1 Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	695.81	16.56	0.10
TCP Cubic	10	506.10	6.62	0.06
LEDBAT	10	347.36	1.97	0.07
PCC-Allegro	10	865.73	7.93	0.25
QUIC Cubic	10	80.00	1.16	0.06
SCReAM	10	0.22	1.25	0.12
WebRTC media	10	0.05	1.22	0.01
Sprout	10	24.76	1.21	0.08
TaoVA-100x	10	256.50	1.19	0.09
TCP Vegas	10	265.33	1.35	0.06
Verus	10	295.75	11.19	0.14
Copa	10	100.47	1.14	0.07
FillP	10	865.93	4.14	0.12
Indigo-1-32	10	201.04	1.19	0.07
PCC-Vivace	10	385.90	21.87	0.18
PCC-Expr	0	N/A	N/A	N/A

Run 1: Statistics of TCP BBR

Start at: 2018-04-17 01:40:24

End at: 2018-04-17 01:40:54

Local clock offset: 0.257 ms

Remote clock offset: -6.254 ms

Below is generated by plot.py at 2018-04-17 10:06:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 730.05 Mbit/s

95th percentile per-packet one-way delay: 13.211 ms

Loss rate: 0.11%

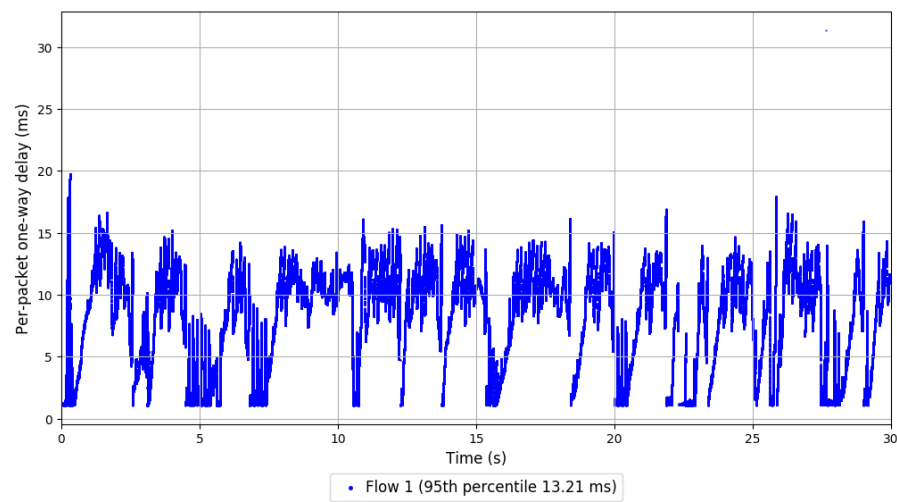
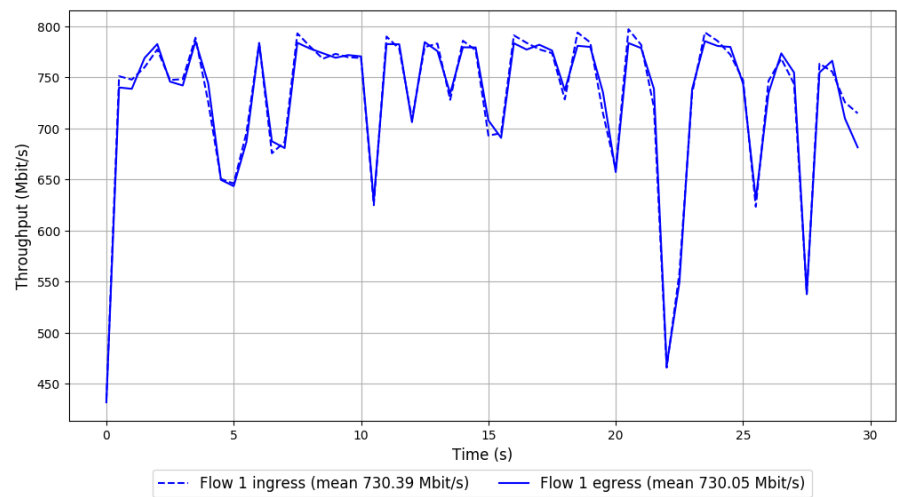
-- Flow 1:

Average throughput: 730.05 Mbit/s

95th percentile per-packet one-way delay: 13.211 ms

Loss rate: 0.11%

Run 1: Report of TCP BBR — Data Link

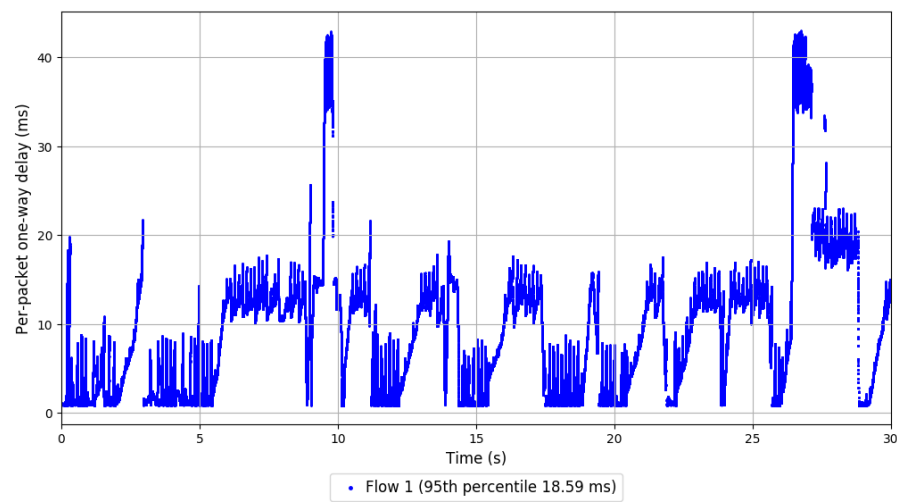
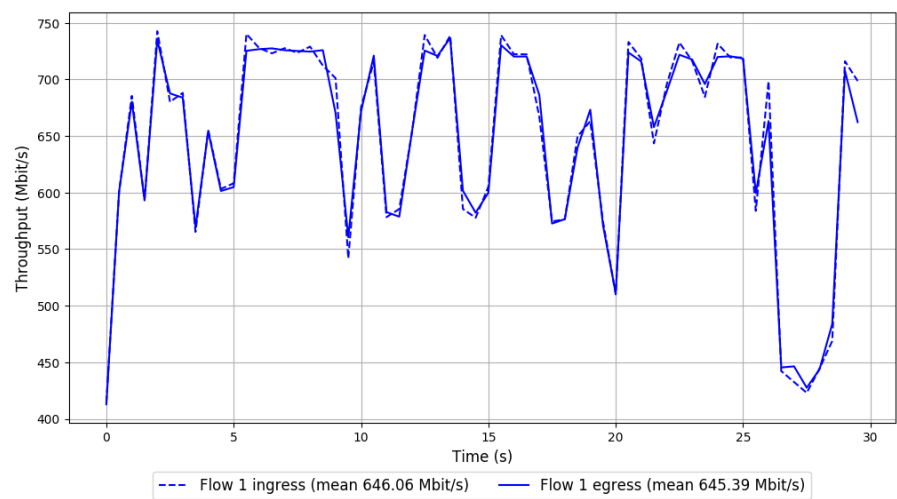


Run 2: Statistics of TCP BBR

Start at: 2018-04-17 02:05:49
End at: 2018-04-17 02:06:19
Local clock offset: 0.102 ms
Remote clock offset: -5.832 ms

Below is generated by plot.py at 2018-04-17 10:06:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 645.39 Mbit/s
95th percentile per-packet one-way delay: 18.590 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 645.39 Mbit/s
95th percentile per-packet one-way delay: 18.590 ms
Loss rate: 0.17%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-04-17 02:31:02

End at: 2018-04-17 02:31:32

Local clock offset: 0.245 ms

Remote clock offset: -4.912 ms

Below is generated by plot.py at 2018-04-17 10:06:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 656.49 Mbit/s

95th percentile per-packet one-way delay: 20.609 ms

Loss rate: 0.10%

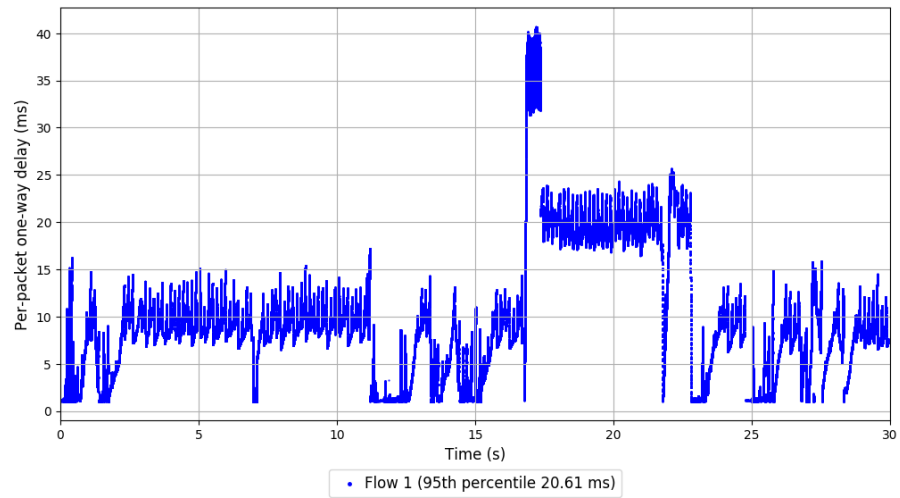
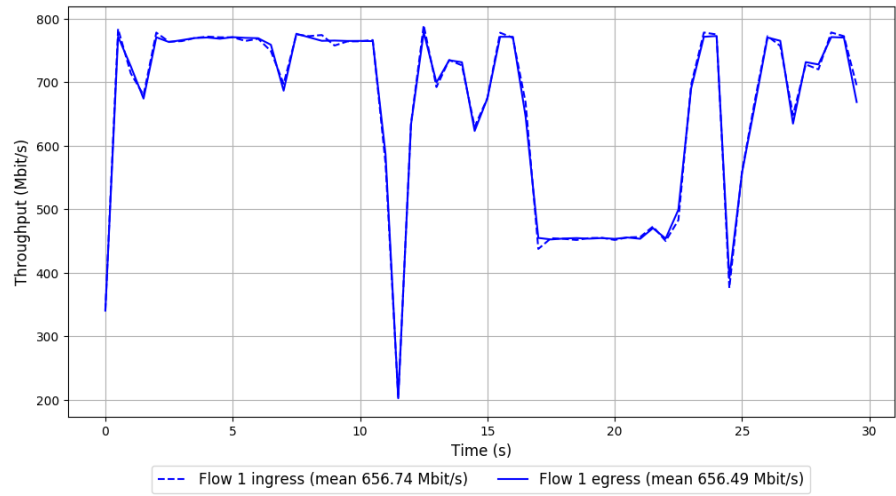
-- Flow 1:

Average throughput: 656.49 Mbit/s

95th percentile per-packet one-way delay: 20.609 ms

Loss rate: 0.10%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-04-17 02:56:26

End at: 2018-04-17 02:56:56

Local clock offset: 0.291 ms

Remote clock offset: -6.118 ms

Below is generated by plot.py at 2018-04-17 10:06:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 705.90 Mbit/s

95th percentile per-packet one-way delay: 14.538 ms

Loss rate: 0.11%

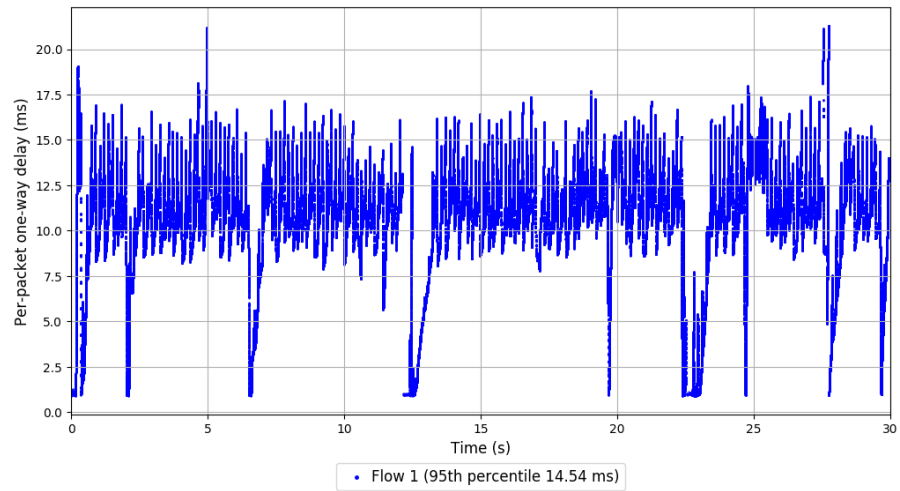
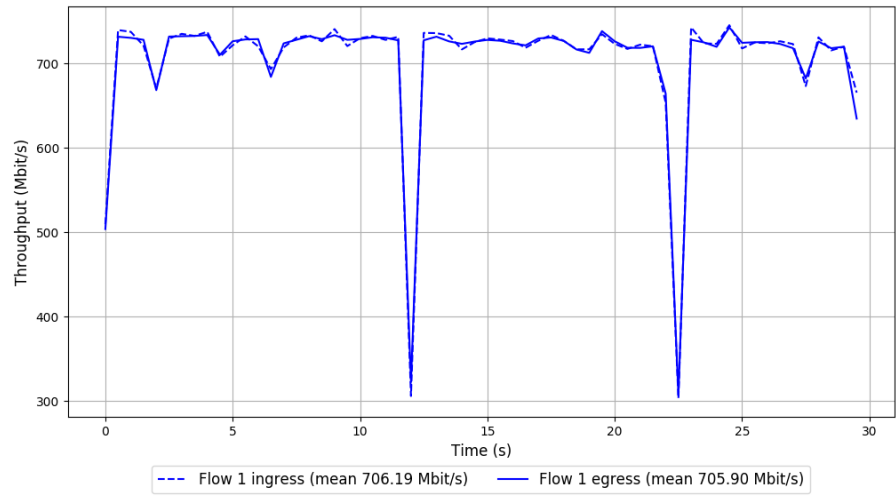
-- Flow 1:

Average throughput: 705.90 Mbit/s

95th percentile per-packet one-way delay: 14.538 ms

Loss rate: 0.11%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-04-17 03:21:49

End at: 2018-04-17 03:22:19

Local clock offset: 0.073 ms

Remote clock offset: -6.307 ms

Below is generated by plot.py at 2018-04-17 10:06:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 702.75 Mbit/s

95th percentile per-packet one-way delay: 11.889 ms

Loss rate: 0.07%

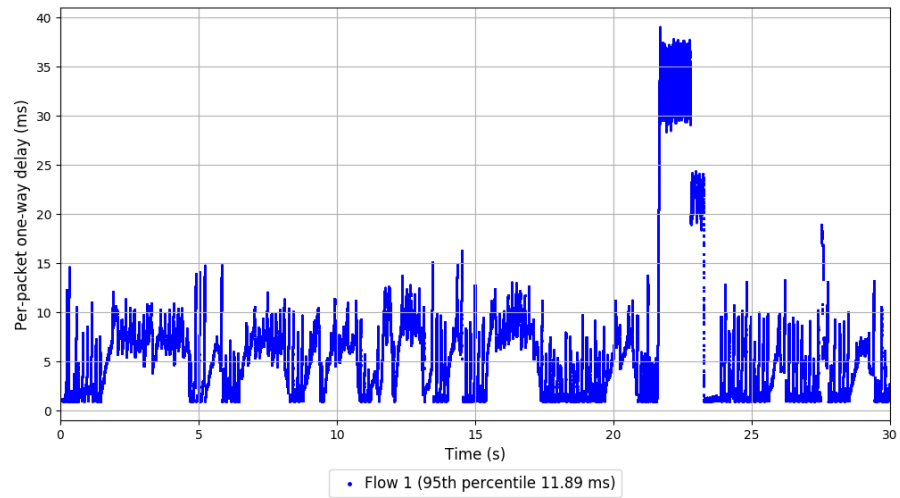
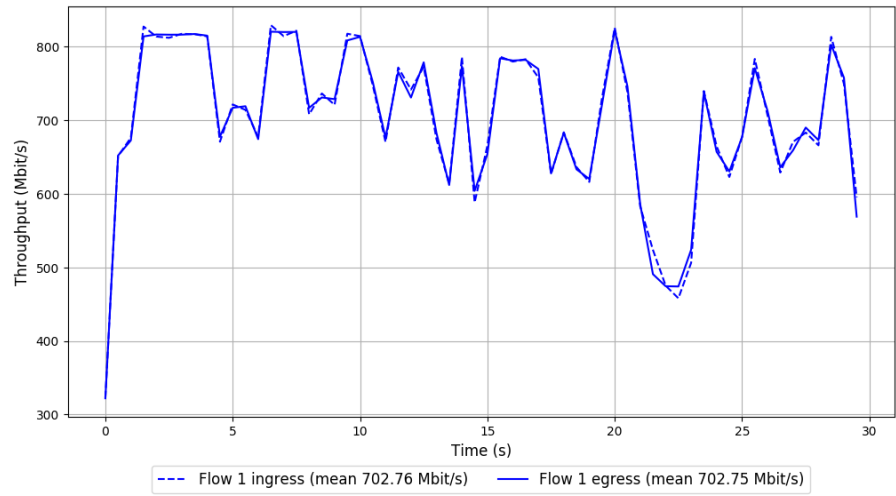
-- Flow 1:

Average throughput: 702.75 Mbit/s

95th percentile per-packet one-way delay: 11.889 ms

Loss rate: 0.07%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-04-17 03:47:15

End at: 2018-04-17 03:47:45

Local clock offset: 0.19 ms

Remote clock offset: -6.235 ms

Below is generated by plot.py at 2018-04-17 10:06:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 689.01 Mbit/s

95th percentile per-packet one-way delay: 21.545 ms

Loss rate: 0.07%

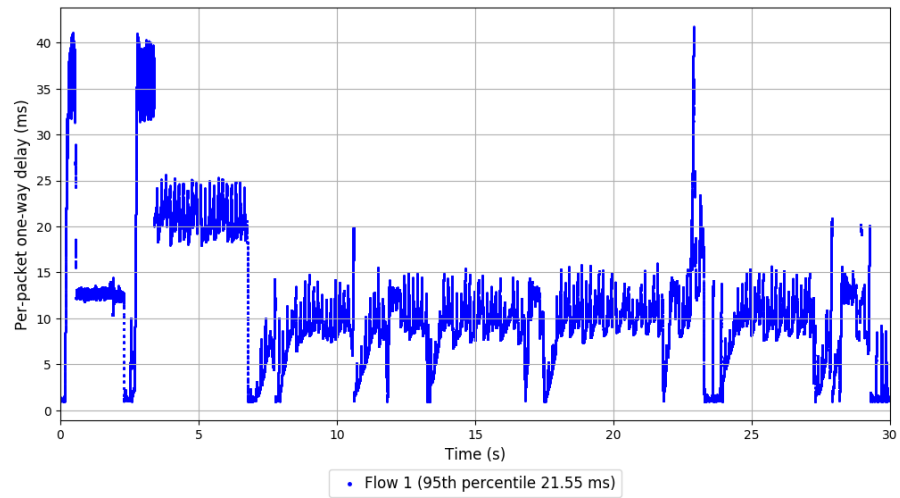
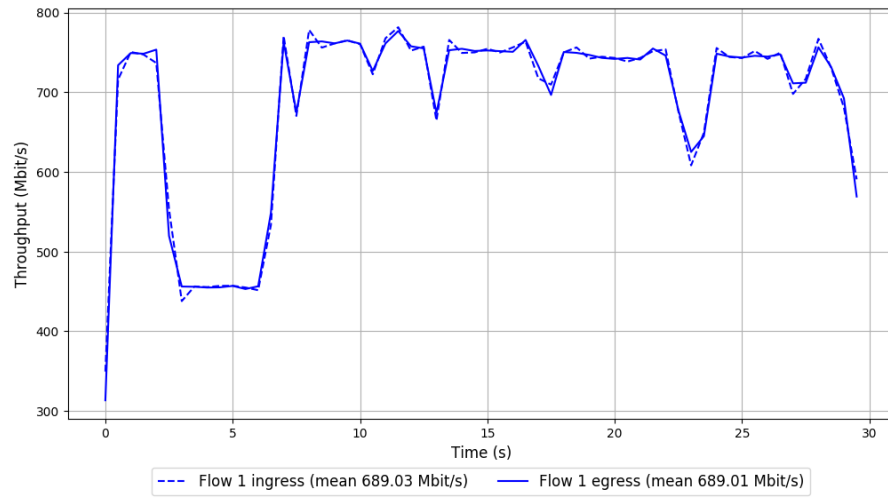
-- Flow 1:

Average throughput: 689.01 Mbit/s

95th percentile per-packet one-way delay: 21.545 ms

Loss rate: 0.07%

Run 6: Report of TCP BBR — Data Link

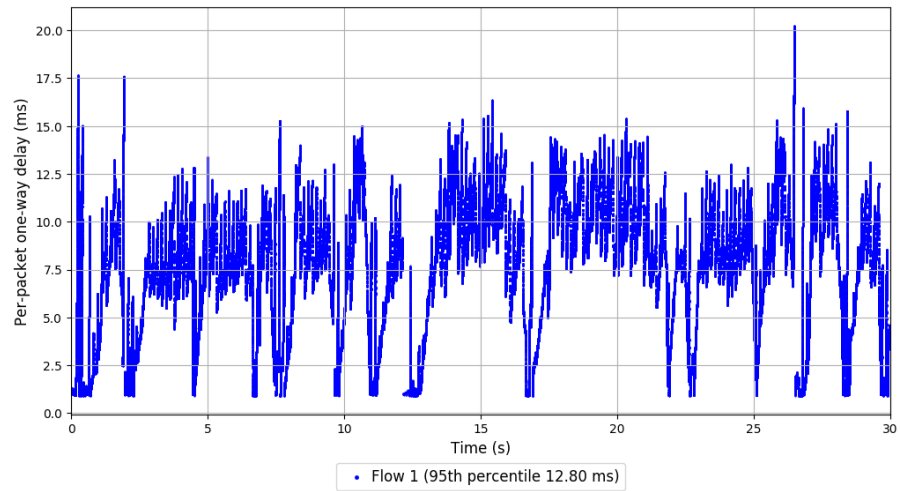
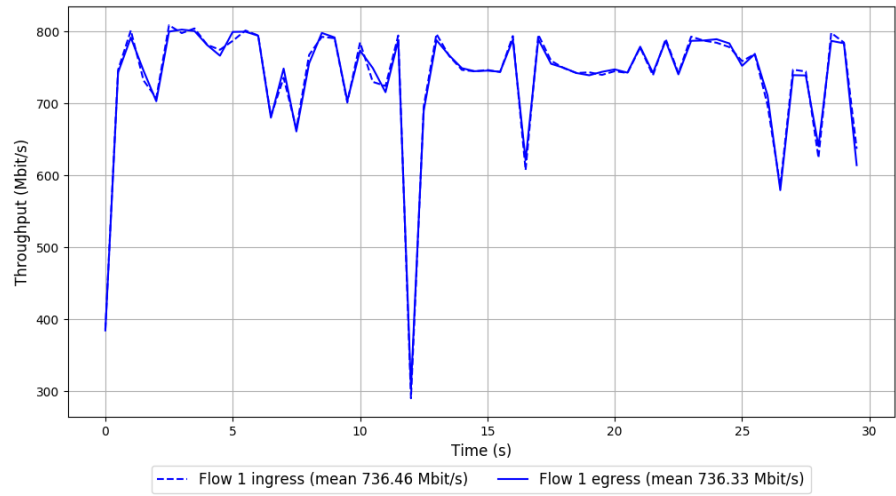


Run 7: Statistics of TCP BBR

Start at: 2018-04-17 04:12:31
End at: 2018-04-17 04:13:01
Local clock offset: 0.57 ms
Remote clock offset: -4.885 ms

Below is generated by plot.py at 2018-04-17 10:06:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 736.33 Mbit/s
95th percentile per-packet one-way delay: 12.805 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 736.33 Mbit/s
95th percentile per-packet one-way delay: 12.805 ms
Loss rate: 0.08%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-04-17 04:37:58

End at: 2018-04-17 04:38:28

Local clock offset: 0.355 ms

Remote clock offset: -4.979 ms

Below is generated by plot.py at 2018-04-17 10:06:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 741.29 Mbit/s

95th percentile per-packet one-way delay: 12.743 ms

Loss rate: 0.10%

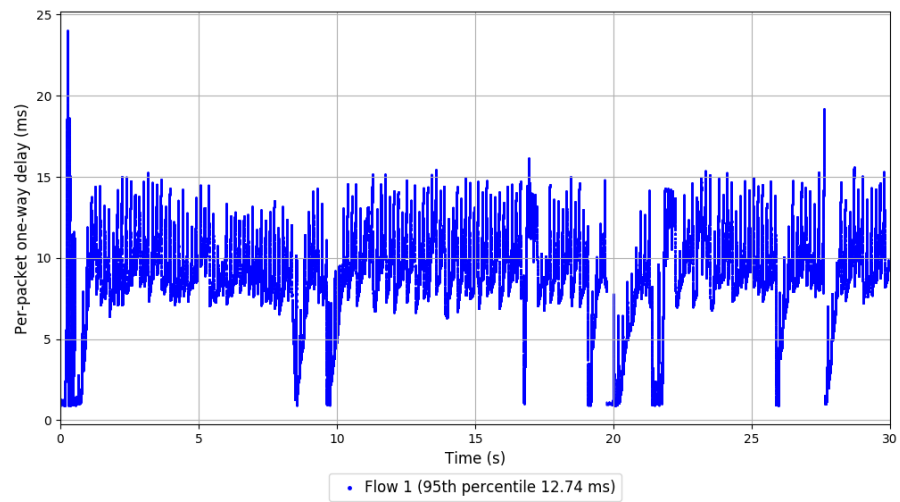
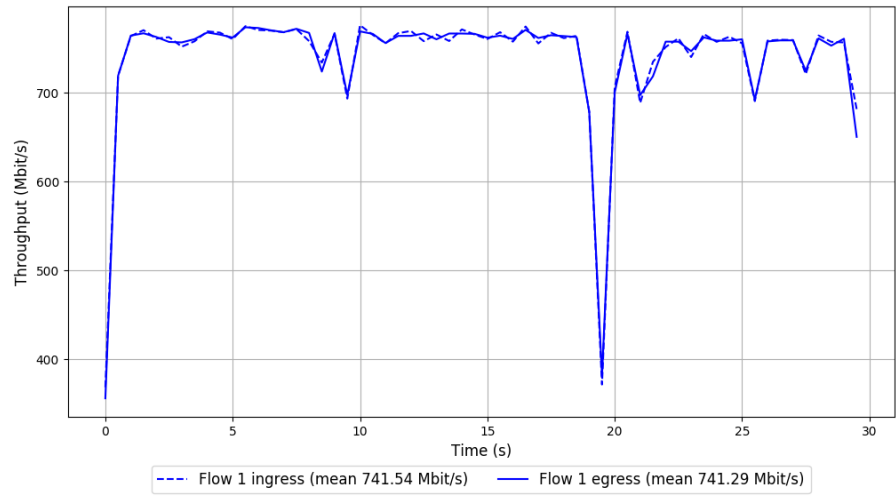
-- Flow 1:

Average throughput: 741.29 Mbit/s

95th percentile per-packet one-way delay: 12.743 ms

Loss rate: 0.10%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-04-17 05:03:12

End at: 2018-04-17 05:03:42

Local clock offset: 0.098 ms

Remote clock offset: -5.558 ms

Below is generated by plot.py at 2018-04-17 10:15:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 686.59 Mbit/s

95th percentile per-packet one-way delay: 21.209 ms

Loss rate: 0.08%

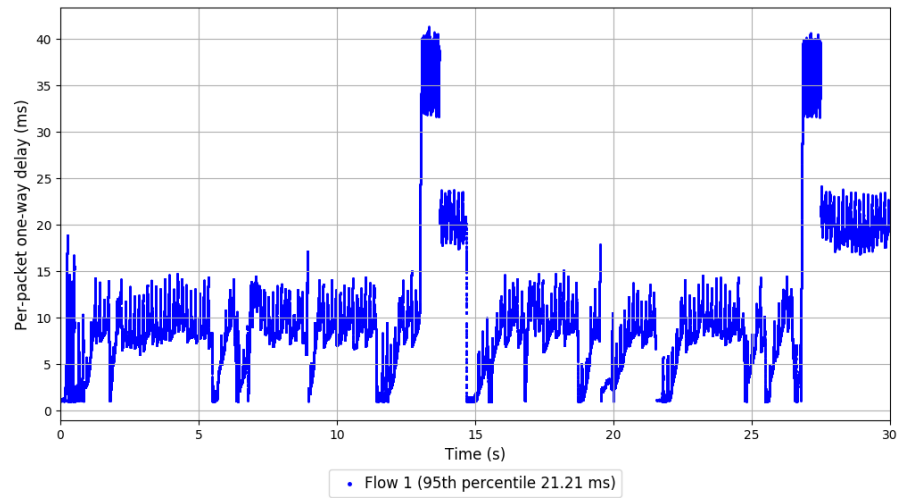
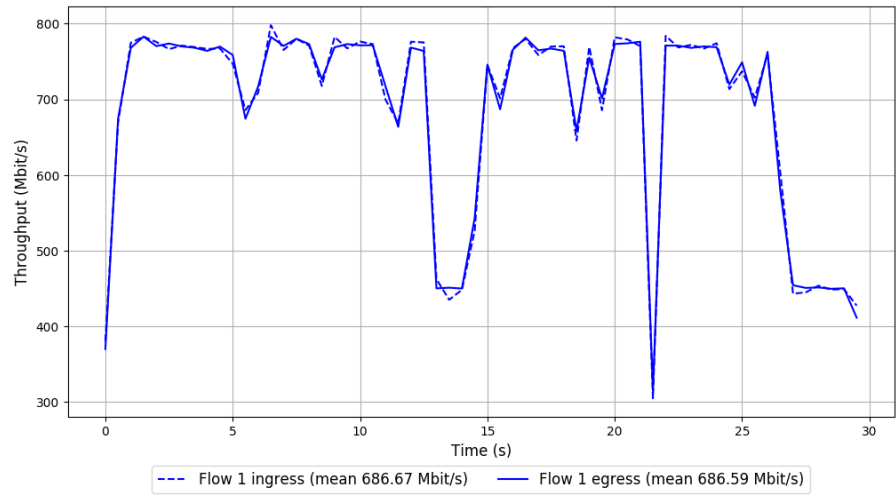
-- Flow 1:

Average throughput: 686.59 Mbit/s

95th percentile per-packet one-way delay: 21.209 ms

Loss rate: 0.08%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

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

End at: 2018-04-17 05:28:54

Local clock offset: -0.158 ms

Remote clock offset: -6.579 ms

Below is generated by plot.py at 2018-04-17 10:15:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 664.32 Mbit/s

95th percentile per-packet one-way delay: 18.491 ms

Loss rate: 0.11%

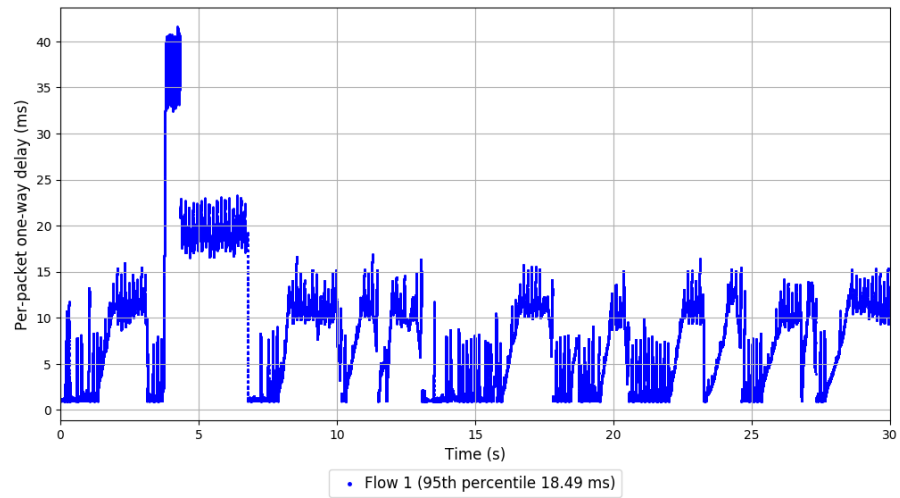
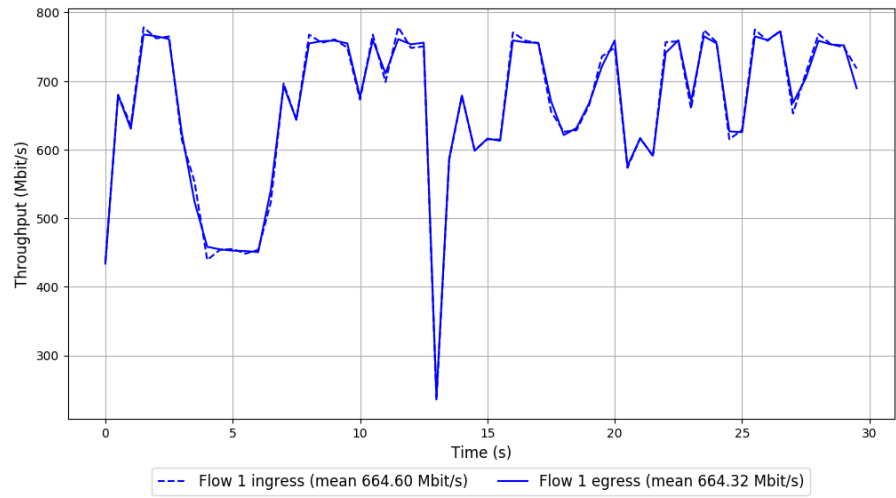
-- Flow 1:

Average throughput: 664.32 Mbit/s

95th percentile per-packet one-way delay: 18.491 ms

Loss rate: 0.11%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-04-17 01:31:09

End at: 2018-04-17 01:31:39

Local clock offset: 0.474 ms

Remote clock offset: -6.44 ms

Below is generated by plot.py at 2018-04-17 10:15:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 499.55 Mbit/s

95th percentile per-packet one-way delay: 1.572 ms

Loss rate: 0.05%

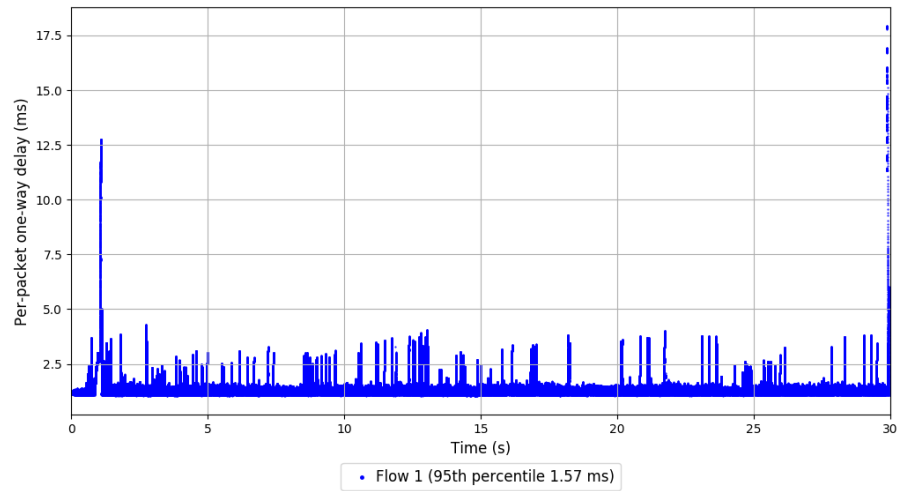
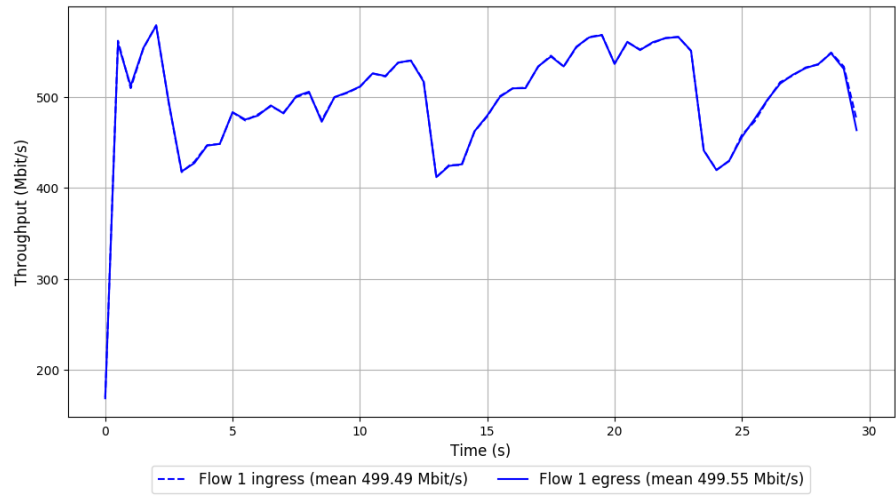
-- Flow 1:

Average throughput: 499.55 Mbit/s

95th percentile per-packet one-way delay: 1.572 ms

Loss rate: 0.05%

Run 1: Report of TCP Cubic — Data Link

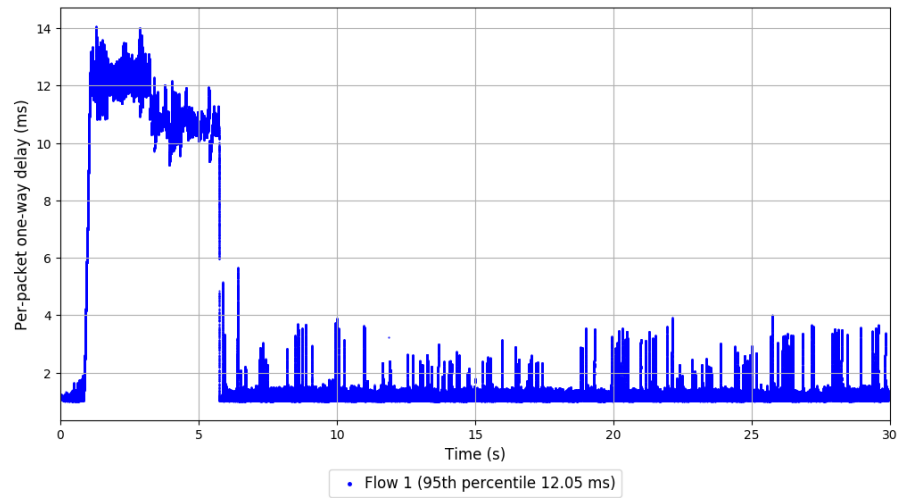
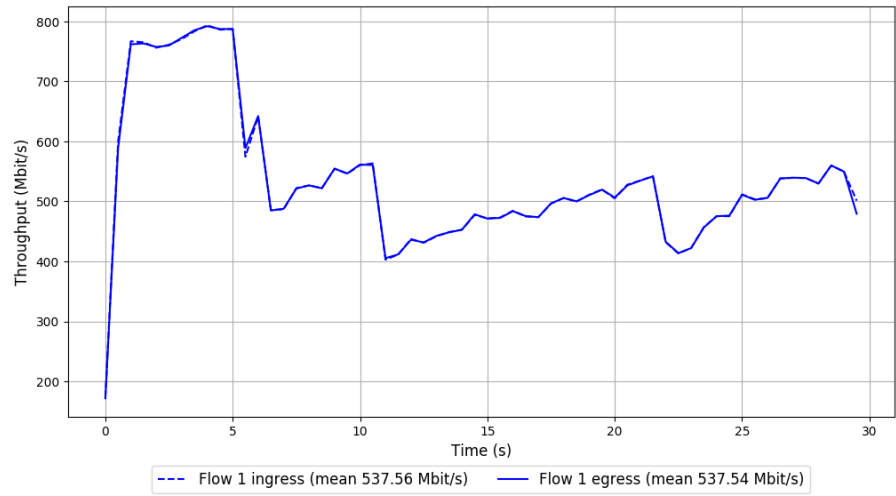


Run 2: Statistics of TCP Cubic

Start at: 2018-04-17 01:56:23
End at: 2018-04-17 01:56:53
Local clock offset: 0.047 ms
Remote clock offset: -5.975 ms

Below is generated by plot.py at 2018-04-17 10:15:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 537.54 Mbit/s
95th percentile per-packet one-way delay: 12.052 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 537.54 Mbit/s
95th percentile per-packet one-way delay: 12.052 ms
Loss rate: 0.07%

Run 2: Report of TCP Cubic — Data Link

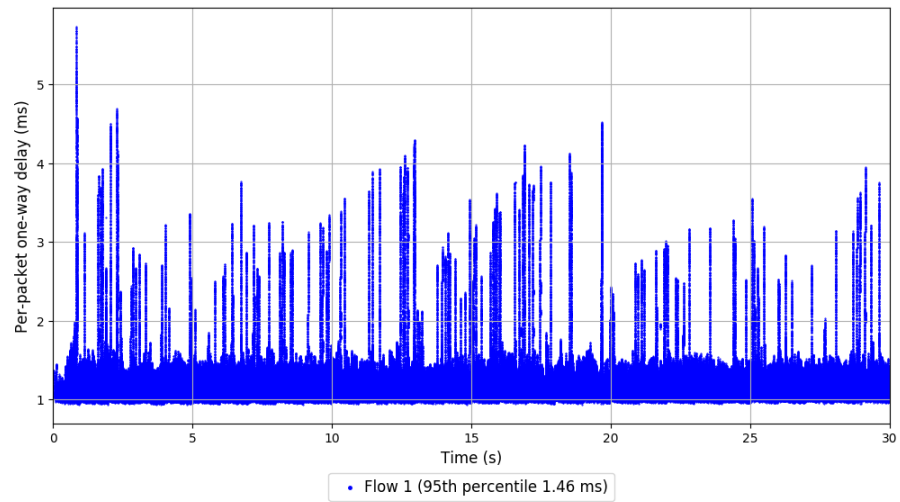
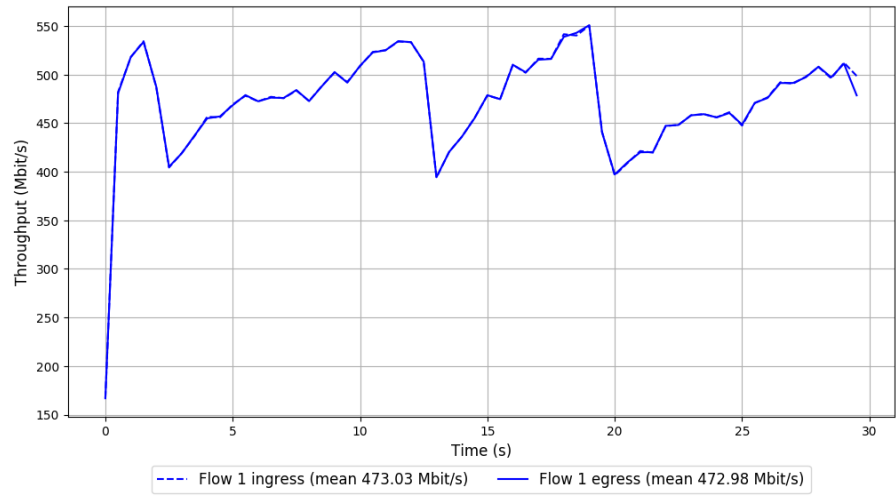


Run 3: Statistics of TCP Cubic

Start at: 2018-04-17 02:21:41
End at: 2018-04-17 02:22:11
Local clock offset: 0.19 ms
Remote clock offset: -5.162 ms

Below is generated by plot.py at 2018-04-17 10:15:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 472.98 Mbit/s
95th percentile per-packet one-way delay: 1.459 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 472.98 Mbit/s
95th percentile per-packet one-way delay: 1.459 ms
Loss rate: 0.08%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-04-17 02:47:02

End at: 2018-04-17 02:47:32

Local clock offset: 0.273 ms

Remote clock offset: -5.35 ms

Below is generated by plot.py at 2018-04-17 10:15:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 511.94 Mbit/s

95th percentile per-packet one-way delay: 1.925 ms

Loss rate: 0.02%

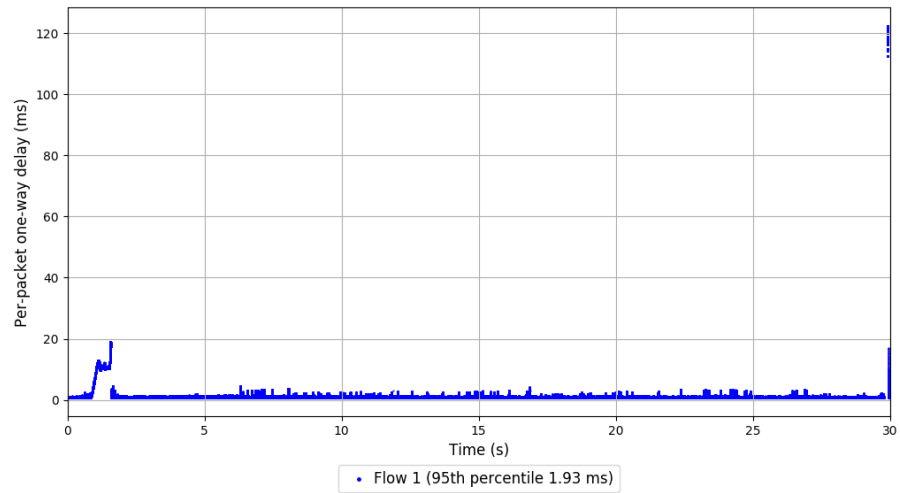
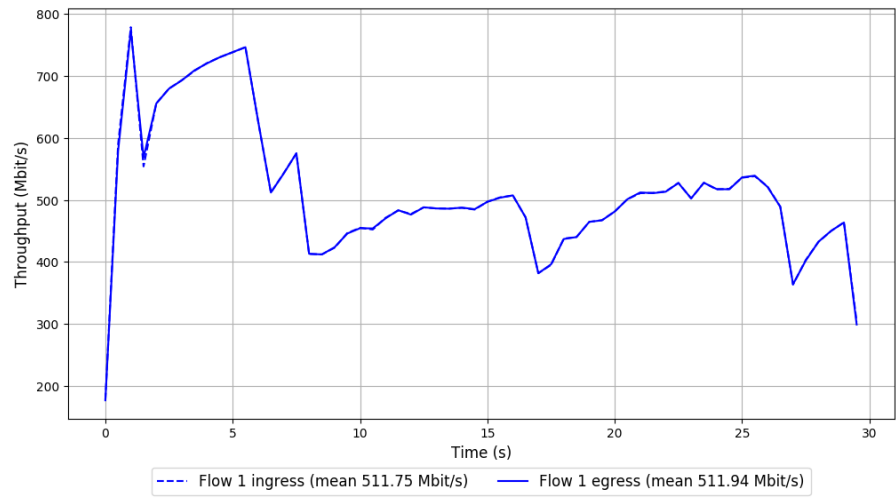
-- Flow 1:

Average throughput: 511.94 Mbit/s

95th percentile per-packet one-way delay: 1.925 ms

Loss rate: 0.02%

Run 4: Report of TCP Cubic — Data Link

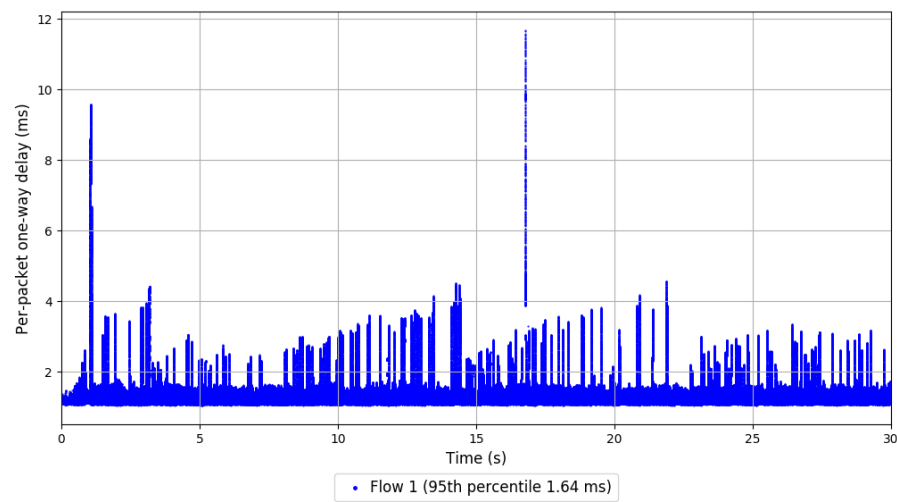
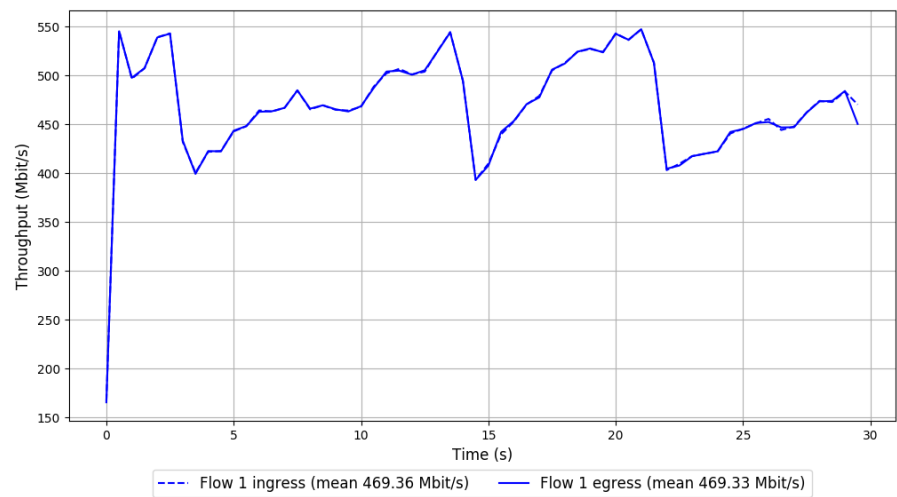


Run 5: Statistics of TCP Cubic

Start at: 2018-04-17 03:12:28
End at: 2018-04-17 03:12:58
Local clock offset: 0.307 ms
Remote clock offset: -6.424 ms

Below is generated by plot.py at 2018-04-17 10:15:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 469.33 Mbit/s
95th percentile per-packet one-way delay: 1.636 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 469.33 Mbit/s
95th percentile per-packet one-way delay: 1.636 ms
Loss rate: 0.07%

Run 5: Report of TCP Cubic — Data Link

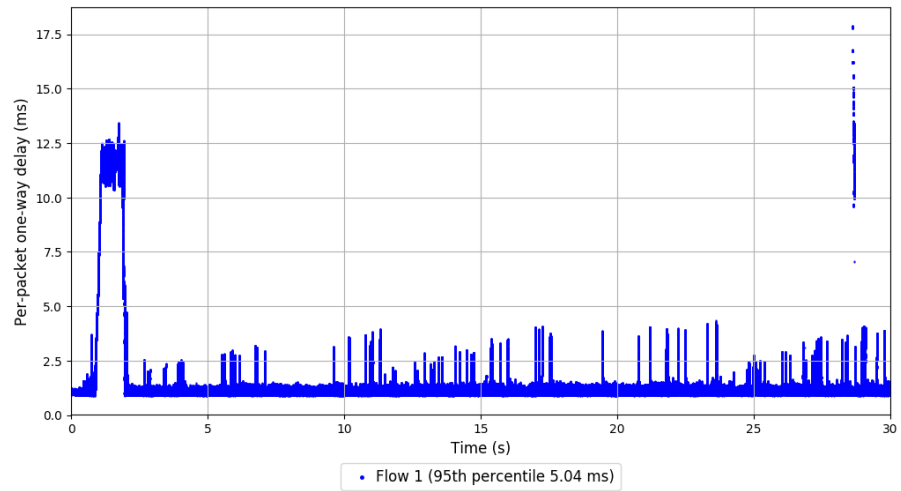
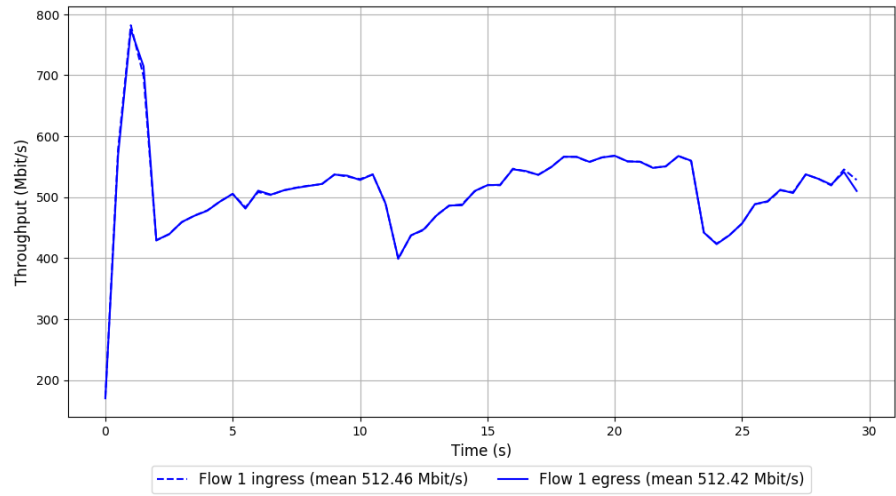


Run 6: Statistics of TCP Cubic

Start at: 2018-04-17 03:37:54
End at: 2018-04-17 03:38:24
Local clock offset: -0.007 ms
Remote clock offset: -6.202 ms

Below is generated by plot.py at 2018-04-17 10:15:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 512.42 Mbit/s
95th percentile per-packet one-way delay: 5.036 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 512.42 Mbit/s
95th percentile per-packet one-way delay: 5.036 ms
Loss rate: 0.07%

Run 6: Report of TCP Cubic — Data Link

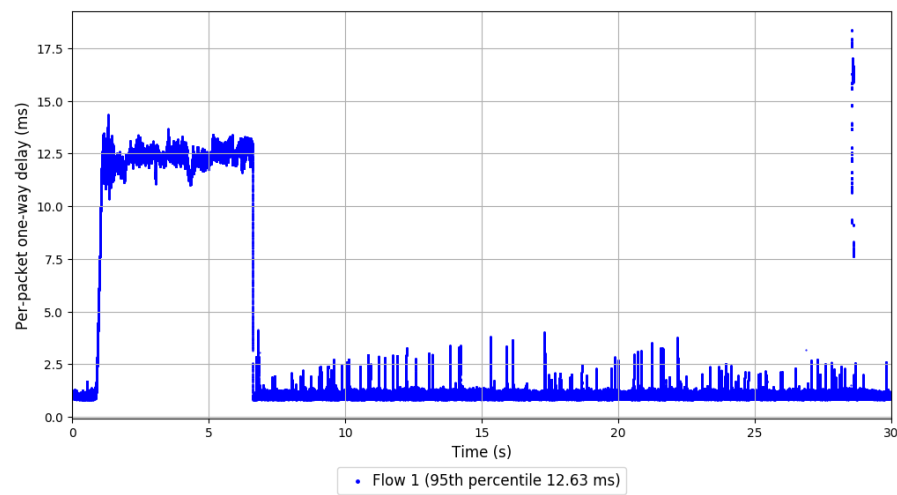
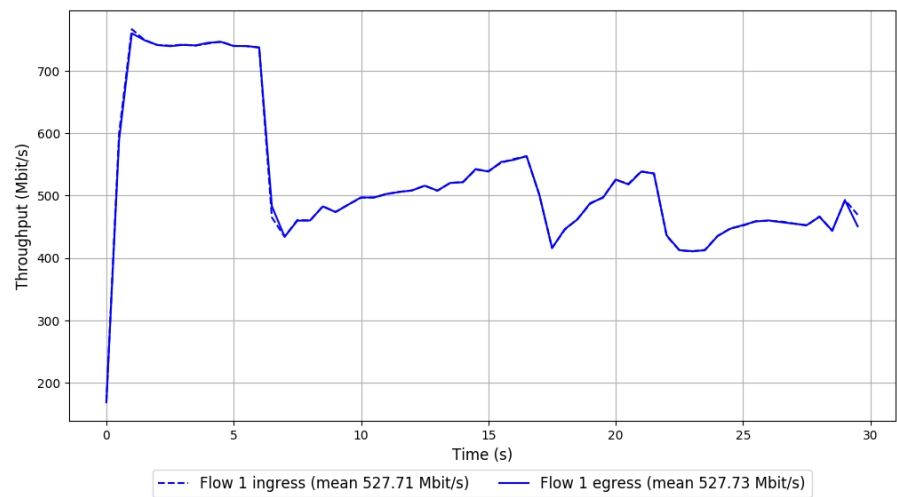


Run 7: Statistics of TCP Cubic

Start at: 2018-04-17 04:03:11
End at: 2018-04-17 04:03:41
Local clock offset: 0.419 ms
Remote clock offset: -5.172 ms

Below is generated by plot.py at 2018-04-17 10:21:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 527.73 Mbit/s
95th percentile per-packet one-way delay: 12.626 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 527.73 Mbit/s
95th percentile per-packet one-way delay: 12.626 ms
Loss rate: 0.06%

Run 7: Report of TCP Cubic — Data Link

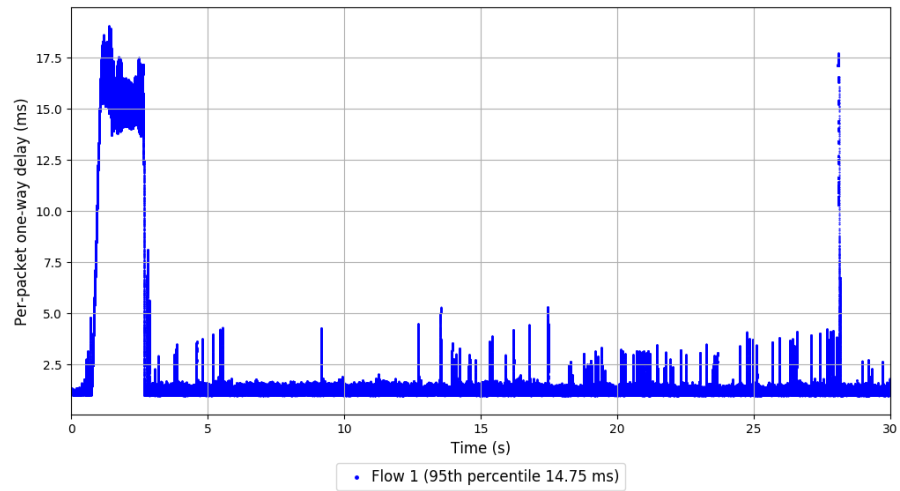
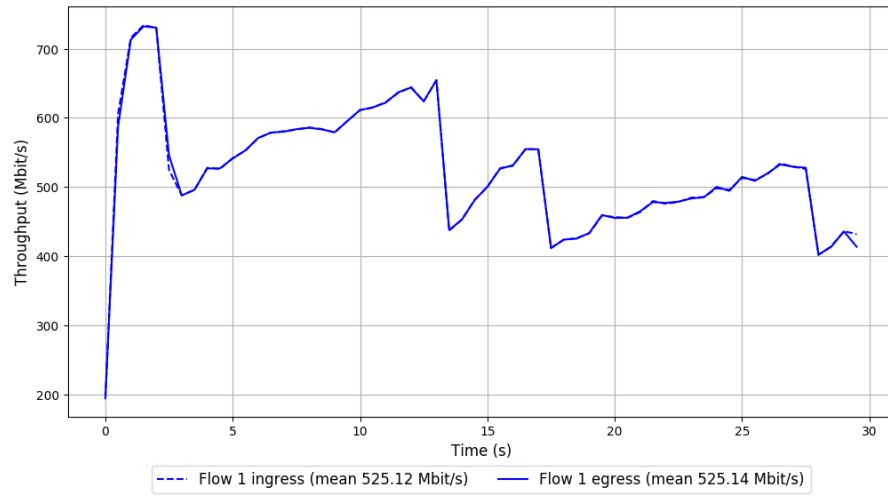


Run 8: Statistics of TCP Cubic

Start at: 2018-04-17 04:28:35
End at: 2018-04-17 04:29:05
Local clock offset: 0.48 ms
Remote clock offset: -4.864 ms

Below is generated by plot.py at 2018-04-17 10:21:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 525.14 Mbit/s
95th percentile per-packet one-way delay: 14.751 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 525.14 Mbit/s
95th percentile per-packet one-way delay: 14.751 ms
Loss rate: 0.06%

Run 8: Report of TCP Cubic — Data Link

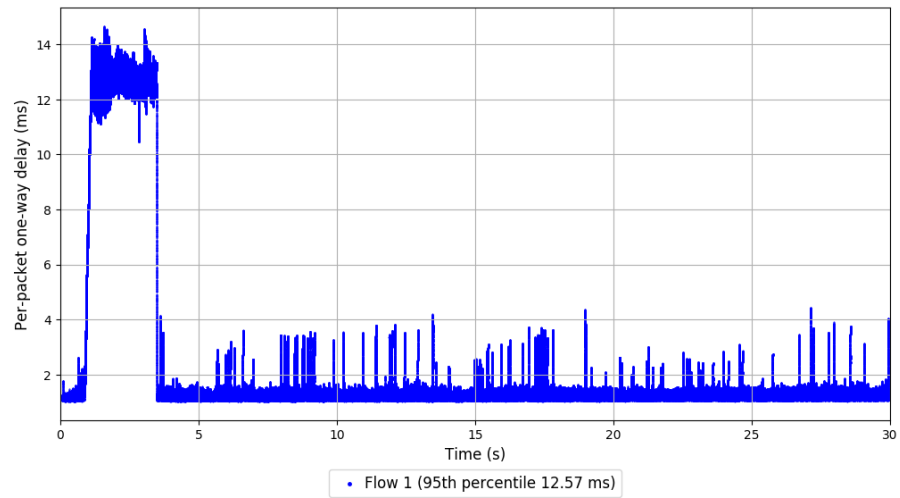
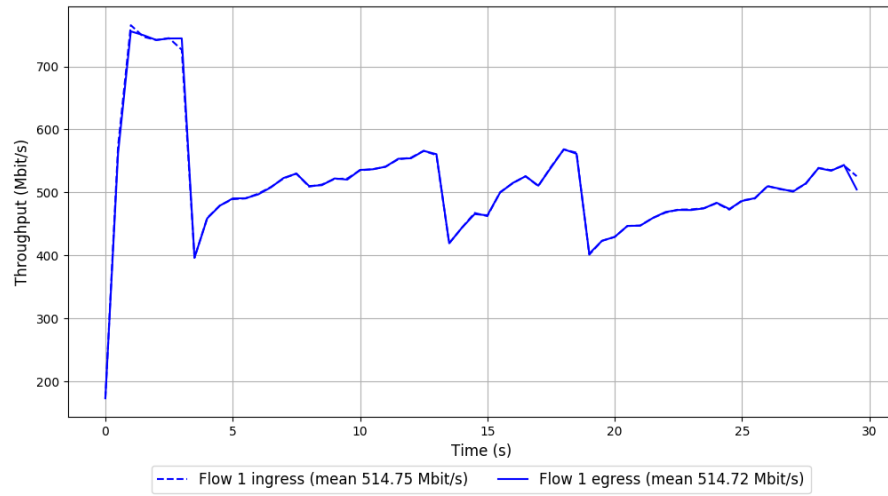


Run 9: Statistics of TCP Cubic

Start at: 2018-04-17 04:53:54
End at: 2018-04-17 04:54:24
Local clock offset: 0.281 ms
Remote clock offset: -4.872 ms

Below is generated by plot.py at 2018-04-17 10:21:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 514.72 Mbit/s
95th percentile per-packet one-way delay: 12.571 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 514.72 Mbit/s
95th percentile per-packet one-way delay: 12.571 ms
Loss rate: 0.07%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-04-17 05:19:02

End at: 2018-04-17 05:19:32

Local clock offset: -0.064 ms

Remote clock offset: -6.396 ms

Below is generated by plot.py at 2018-04-17 10:21:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 489.65 Mbit/s

95th percentile per-packet one-way delay: 2.587 ms

Loss rate: 0.06%

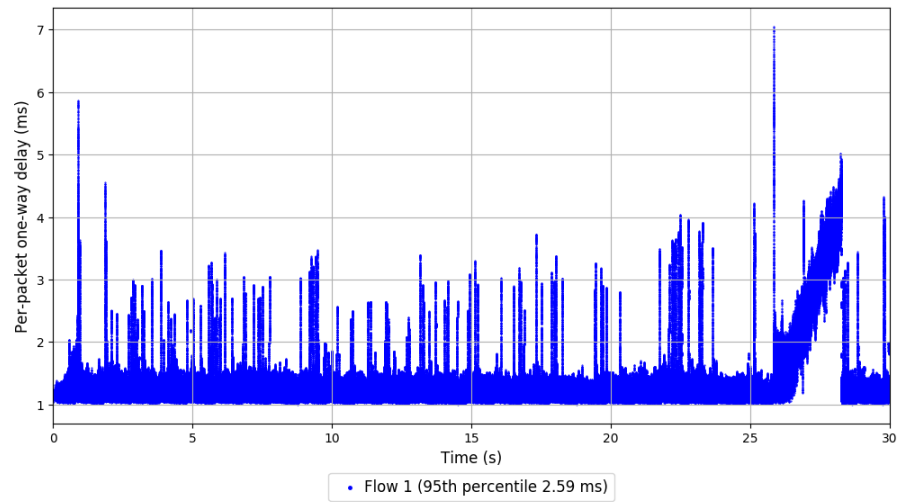
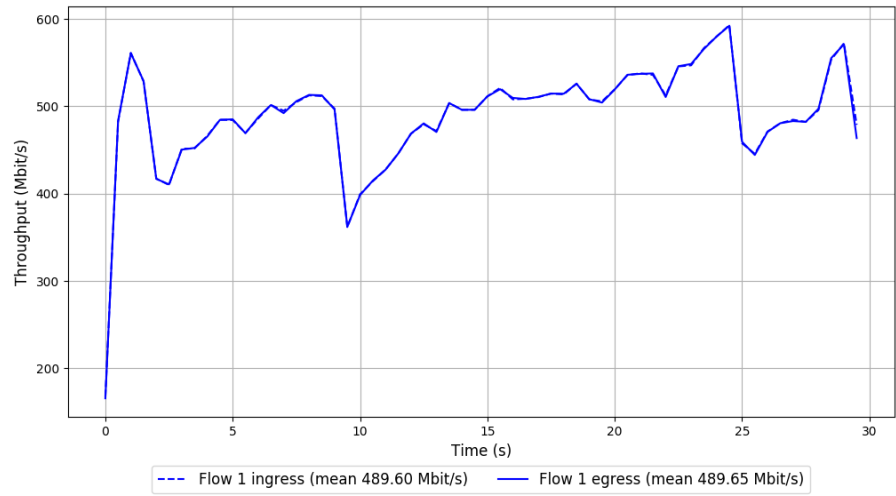
-- Flow 1:

Average throughput: 489.65 Mbit/s

95th percentile per-packet one-way delay: 2.587 ms

Loss rate: 0.06%

Run 10: Report of TCP Cubic — Data Link

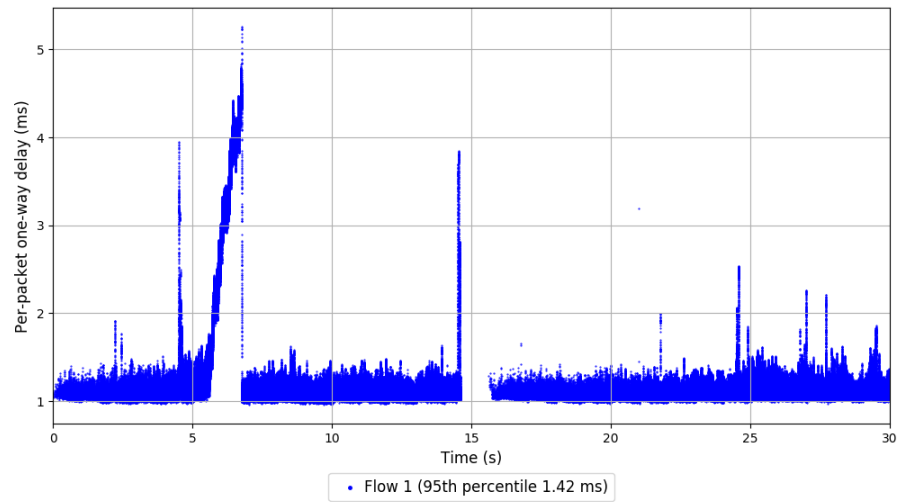
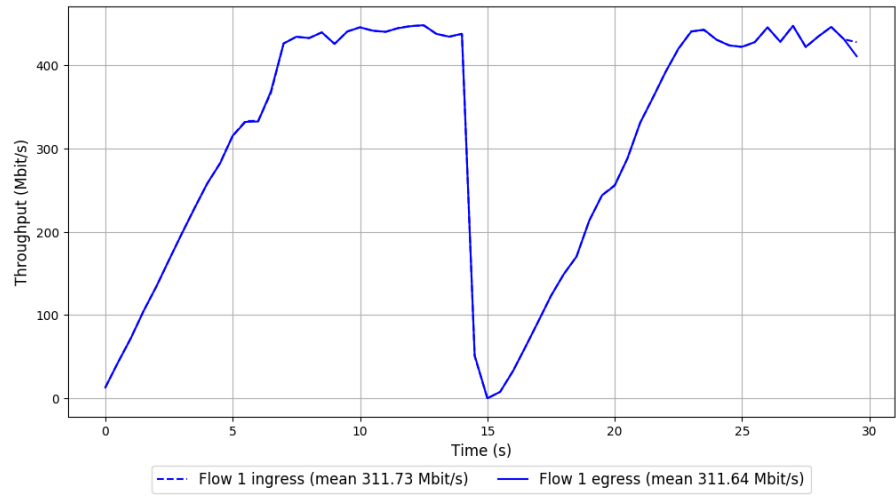


Run 1: Statistics of LEDBAT

Start at: 2018-04-17 01:32:45
End at: 2018-04-17 01:33:15
Local clock offset: 0.456 ms
Remote clock offset: -6.361 ms

Below is generated by plot.py at 2018-04-17 10:21:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 311.64 Mbit/s
95th percentile per-packet one-way delay: 1.422 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 311.64 Mbit/s
95th percentile per-packet one-way delay: 1.422 ms
Loss rate: 0.10%

Run 1: Report of LEDBAT — Data Link

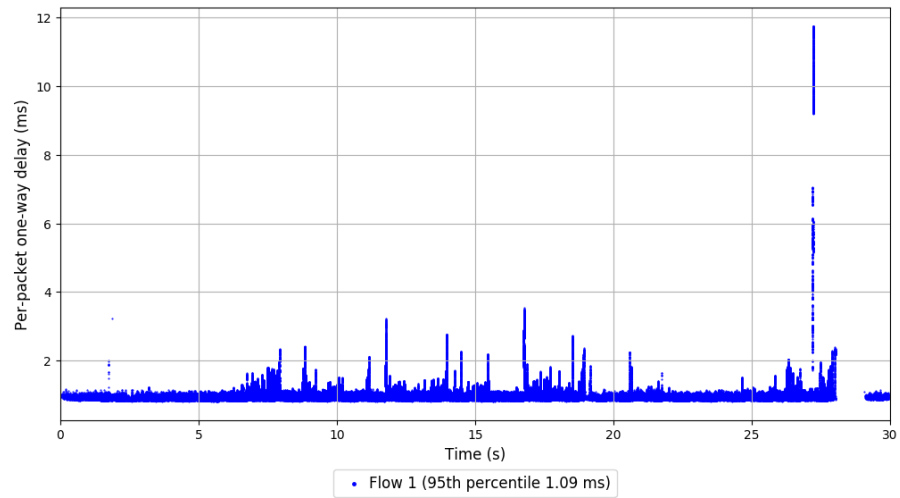
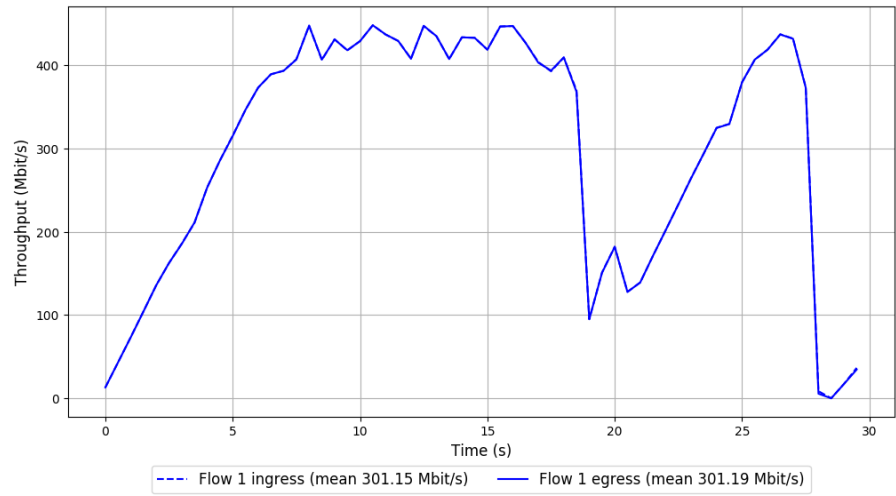


Run 2: Statistics of LEDBAT

Start at: 2018-04-17 01:58:00
End at: 2018-04-17 01:58:30
Local clock offset: -0.066 ms
Remote clock offset: -5.871 ms

Below is generated by plot.py at 2018-04-17 10:21:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 301.19 Mbit/s
95th percentile per-packet one-way delay: 1.086 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 301.19 Mbit/s
95th percentile per-packet one-way delay: 1.086 ms
Loss rate: 0.05%

Run 2: Report of LEDBAT — Data Link

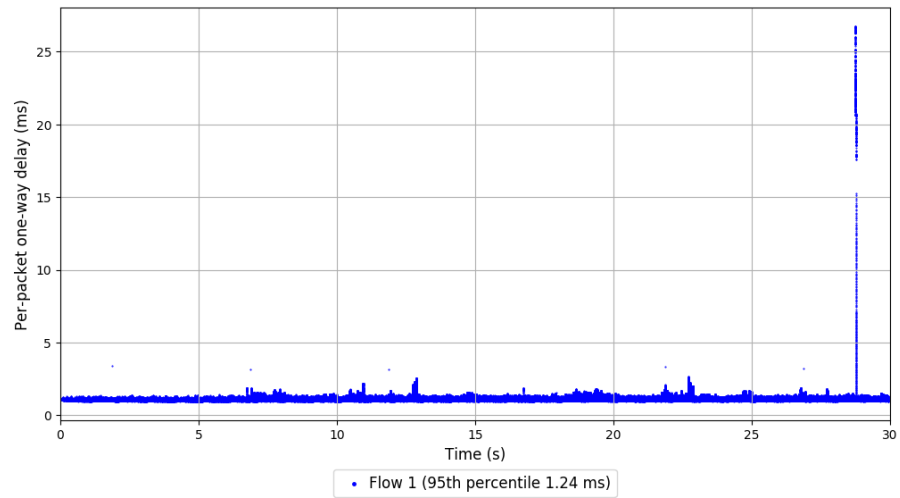
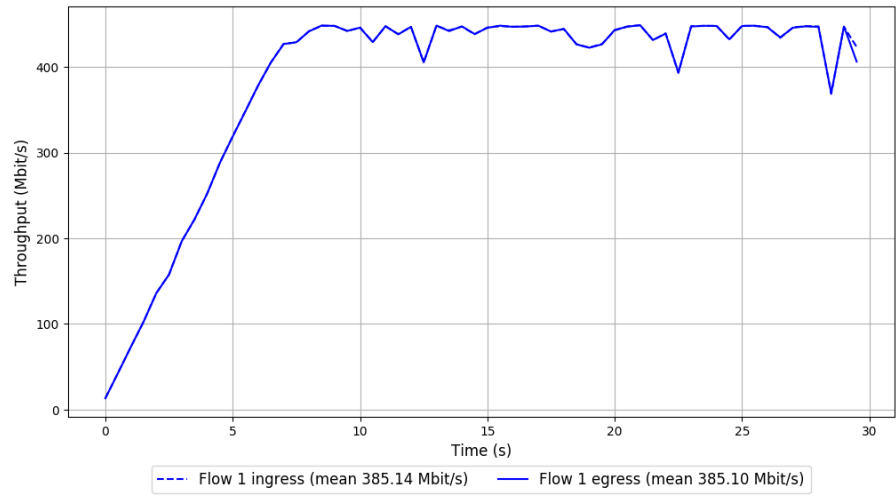


Run 3: Statistics of LEDBAT

Start at: 2018-04-17 02:23:16
End at: 2018-04-17 02:23:46
Local clock offset: 0.254 ms
Remote clock offset: -5.111 ms

Below is generated by plot.py at 2018-04-17 10:21:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 385.10 Mbit/s
95th percentile per-packet one-way delay: 1.243 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 385.10 Mbit/s
95th percentile per-packet one-way delay: 1.243 ms
Loss rate: 0.08%

Run 3: Report of LEDBAT — Data Link

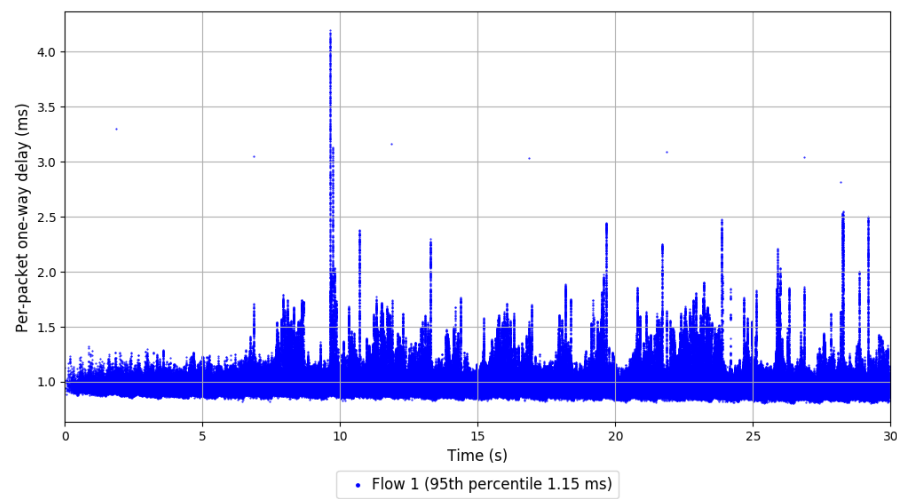
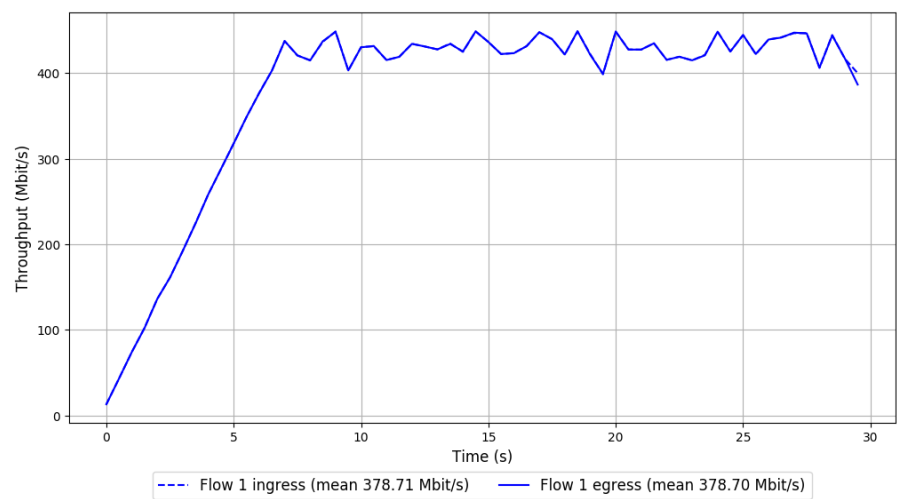


Run 4: Statistics of LEDBAT

Start at: 2018-04-17 02:48:39
End at: 2018-04-17 02:49:09
Local clock offset: 0.281 ms
Remote clock offset: -5.627 ms

Below is generated by plot.py at 2018-04-17 10:21:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 378.70 Mbit/s
95th percentile per-packet one-way delay: 1.145 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 378.70 Mbit/s
95th percentile per-packet one-way delay: 1.145 ms
Loss rate: 0.06%

Run 4: Report of LEDBAT — Data Link

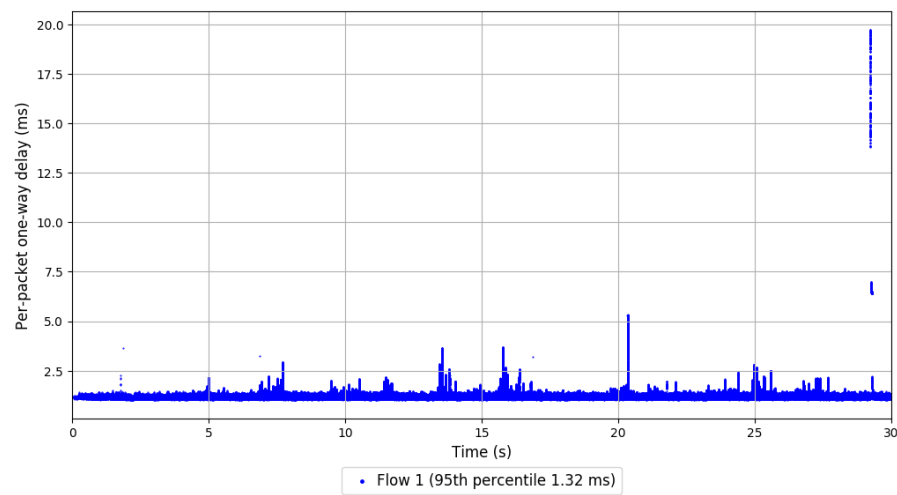
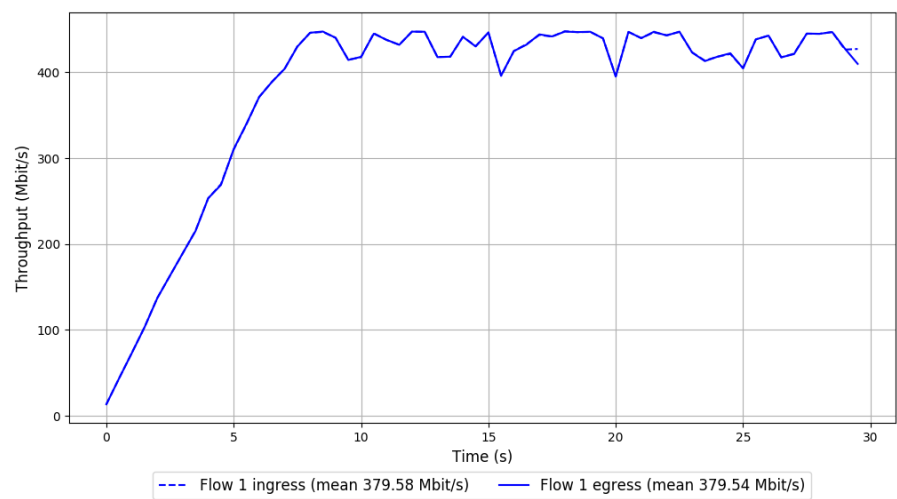


Run 5: Statistics of LEDBAT

Start at: 2018-04-17 03:14:03
End at: 2018-04-17 03:14:33
Local clock offset: 0.255 ms
Remote clock offset: -6.426 ms

Below is generated by plot.py at 2018-04-17 10:24:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 379.54 Mbit/s
95th percentile per-packet one-way delay: 1.325 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 379.54 Mbit/s
95th percentile per-packet one-way delay: 1.325 ms
Loss rate: 0.08%

Run 5: Report of LEDBAT — Data Link

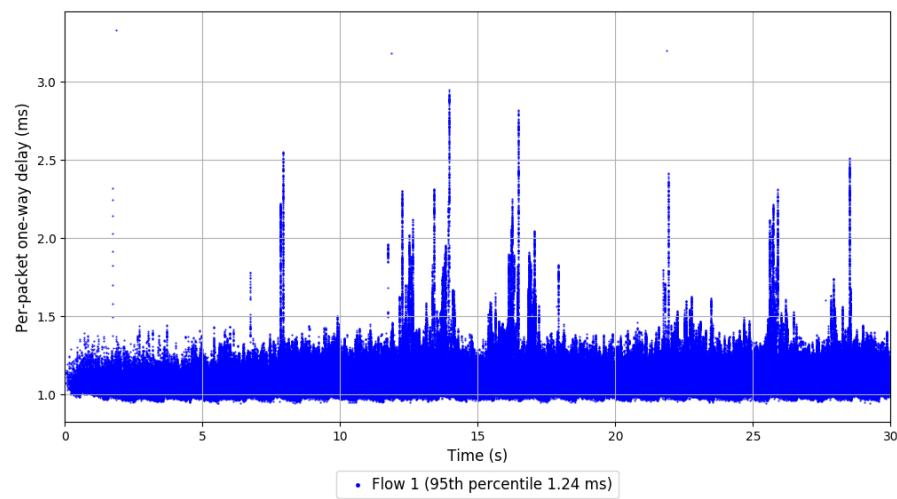
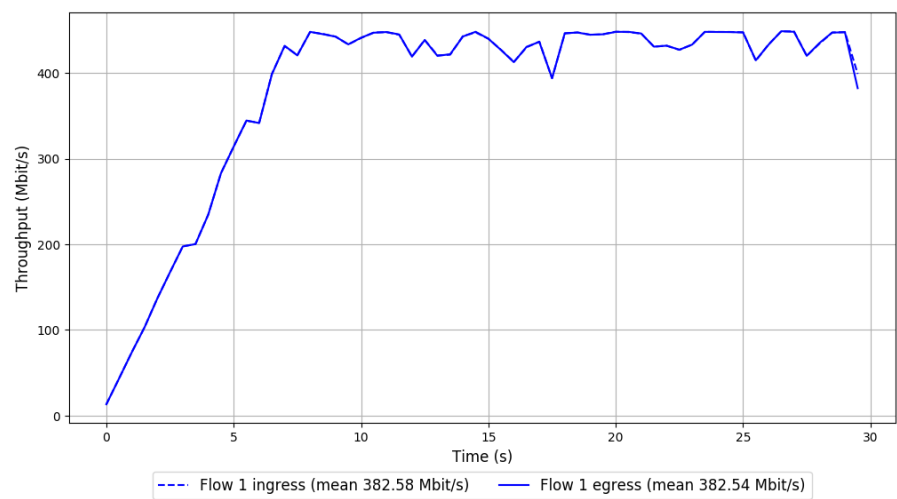


Run 6: Statistics of LEDBAT

Start at: 2018-04-17 03:39:30
End at: 2018-04-17 03:40:00
Local clock offset: 0.05 ms
Remote clock offset: -6.207 ms

Below is generated by plot.py at 2018-04-17 10:24:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 382.54 Mbit/s
95th percentile per-packet one-way delay: 1.243 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 382.54 Mbit/s
95th percentile per-packet one-way delay: 1.243 ms
Loss rate: 0.08%

Run 6: Report of LEDBAT — Data Link

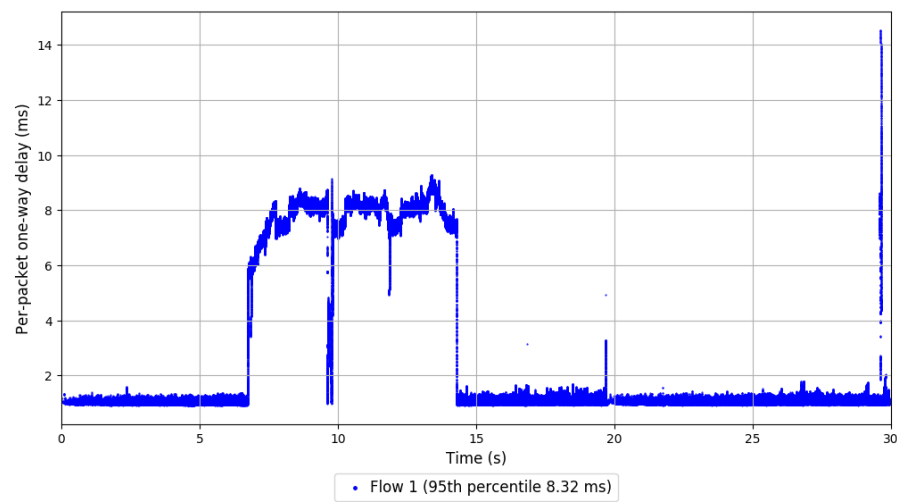
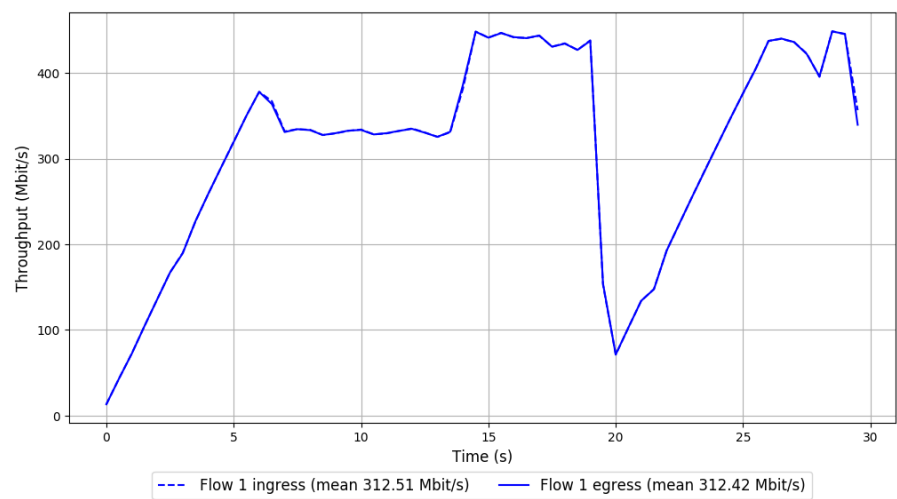


Run 7: Statistics of LEDBAT

Start at: 2018-04-17 04:04:48
End at: 2018-04-17 04:05:18
Local clock offset: 0.409 ms
Remote clock offset: -5.251 ms

Below is generated by plot.py at 2018-04-17 10:25:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 312.42 Mbit/s
95th percentile per-packet one-way delay: 8.319 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 312.42 Mbit/s
95th percentile per-packet one-way delay: 8.319 ms
Loss rate: 0.09%

Run 7: Report of LEDBAT — Data Link

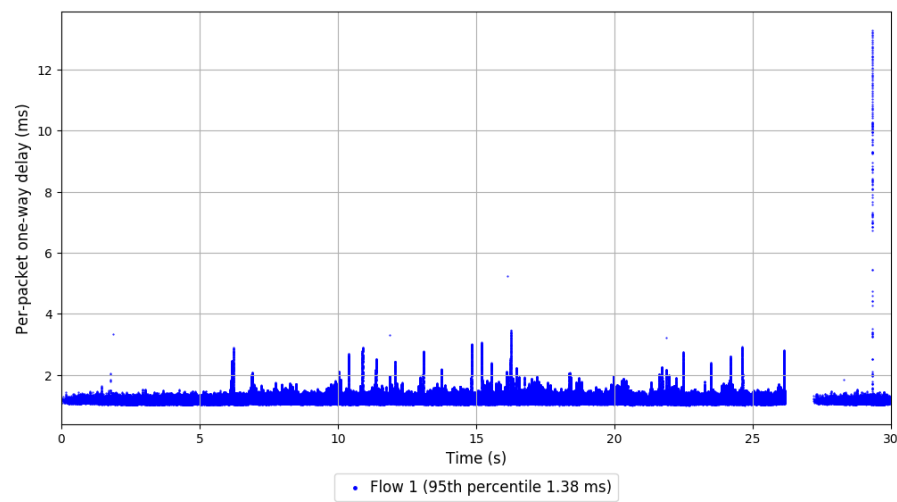
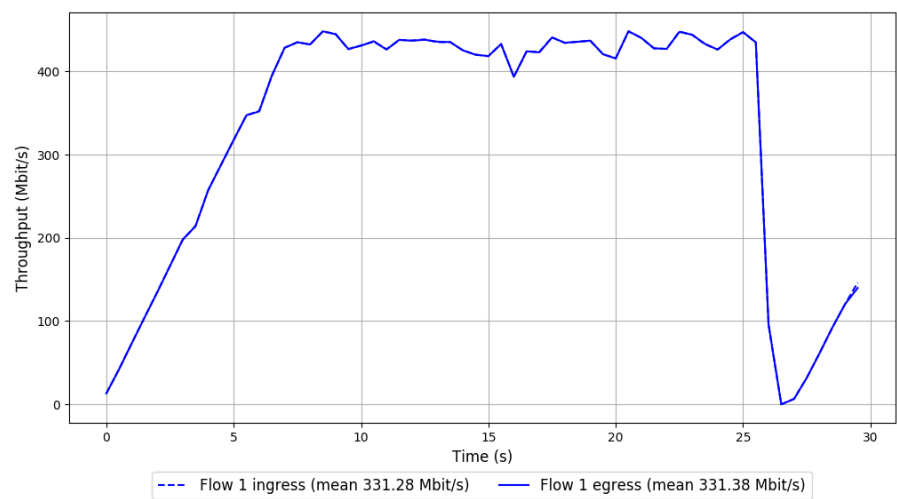


Run 8: Statistics of LEDBAT

Start at: 2018-04-17 04:30:11
End at: 2018-04-17 04:30:41
Local clock offset: 0.499 ms
Remote clock offset: -4.934 ms

Below is generated by plot.py at 2018-04-17 10:26:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 331.38 Mbit/s
95th percentile per-packet one-way delay: 1.381 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 331.38 Mbit/s
95th percentile per-packet one-way delay: 1.381 ms
Loss rate: 0.03%

Run 8: Report of LEDBAT — Data Link

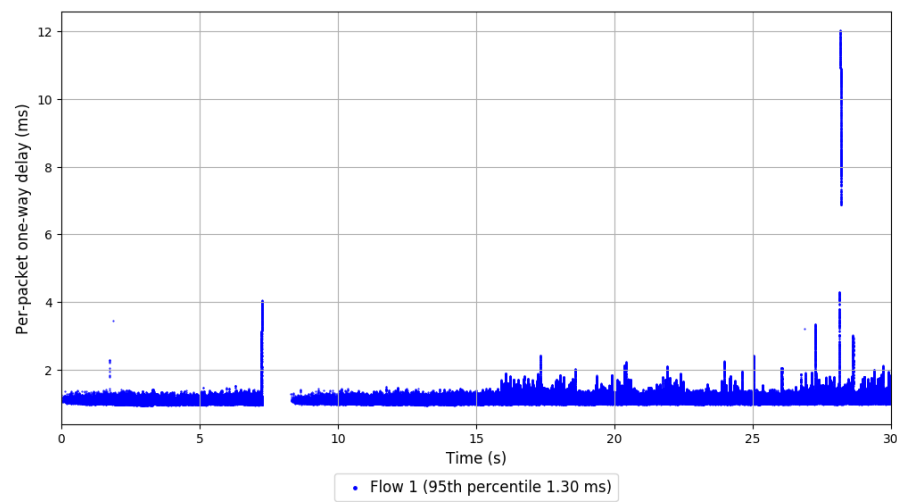
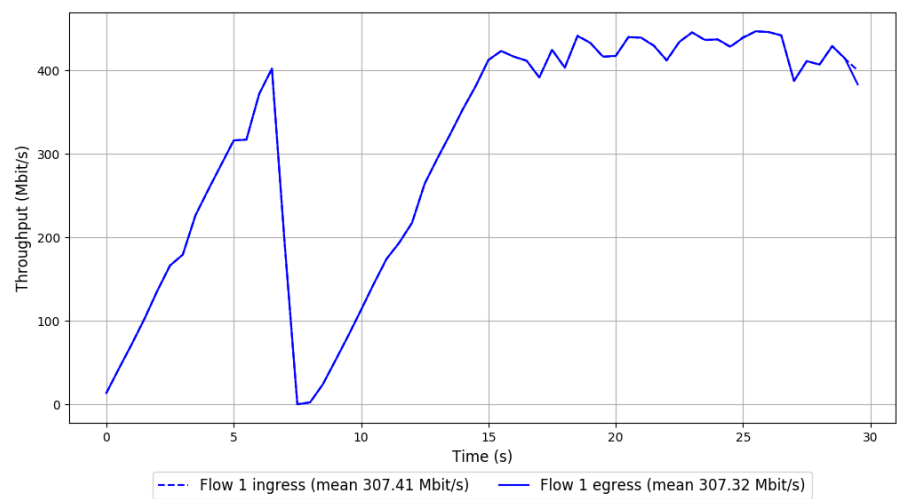


Run 9: Statistics of LEDBAT

Start at: 2018-04-17 04:55:30
End at: 2018-04-17 04:56:00
Local clock offset: 0.238 ms
Remote clock offset: -4.795 ms

Below is generated by plot.py at 2018-04-17 10:26:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 307.32 Mbit/s
95th percentile per-packet one-way delay: 1.302 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 307.32 Mbit/s
95th percentile per-packet one-way delay: 1.302 ms
Loss rate: 0.10%

Run 9: Report of LEDBAT — Data Link

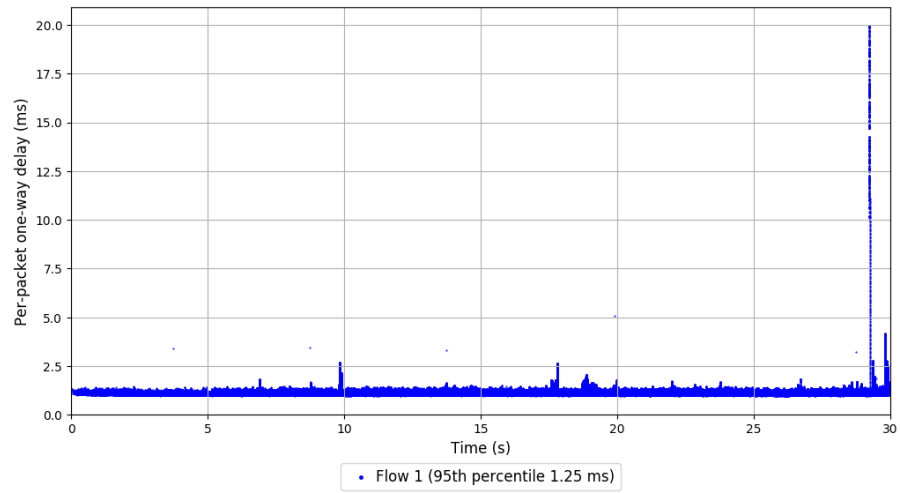
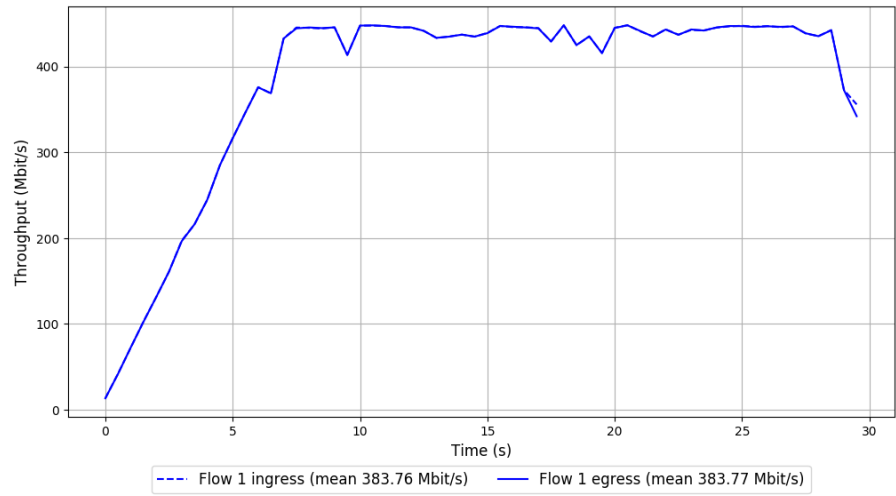


Run 10: Statistics of LEDBAT

Start at: 2018-04-17 05:20:37
End at: 2018-04-17 05:21:07
Local clock offset: -0.056 ms
Remote clock offset: -6.383 ms

Below is generated by plot.py at 2018-04-17 10:26:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 383.77 Mbit/s
95th percentile per-packet one-way delay: 1.246 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 383.77 Mbit/s
95th percentile per-packet one-way delay: 1.246 ms
Loss rate: 0.06%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-04-17 01:25:22

End at: 2018-04-17 01:25:52

Local clock offset: 0.742 ms

Remote clock offset: -6.406 ms

Below is generated by plot.py at 2018-04-17 10:34:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 887.89 Mbit/s

95th percentile per-packet one-way delay: 2.209 ms

Loss rate: 0.07%

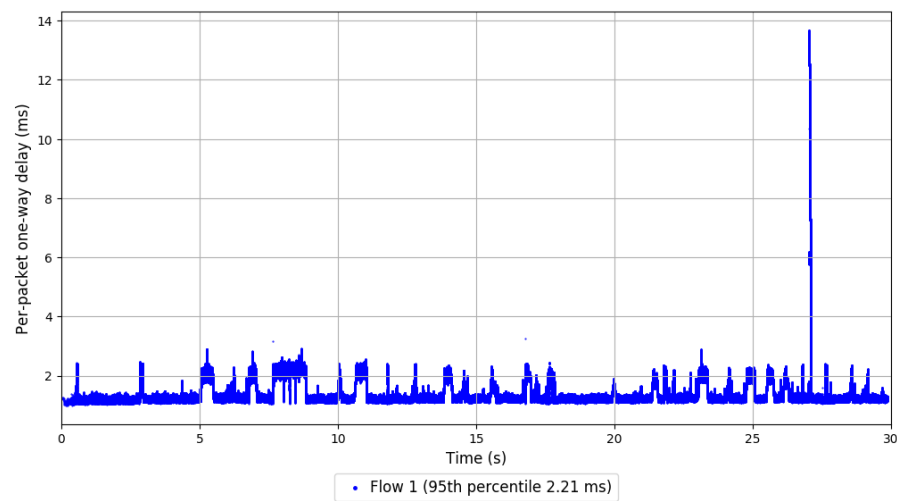
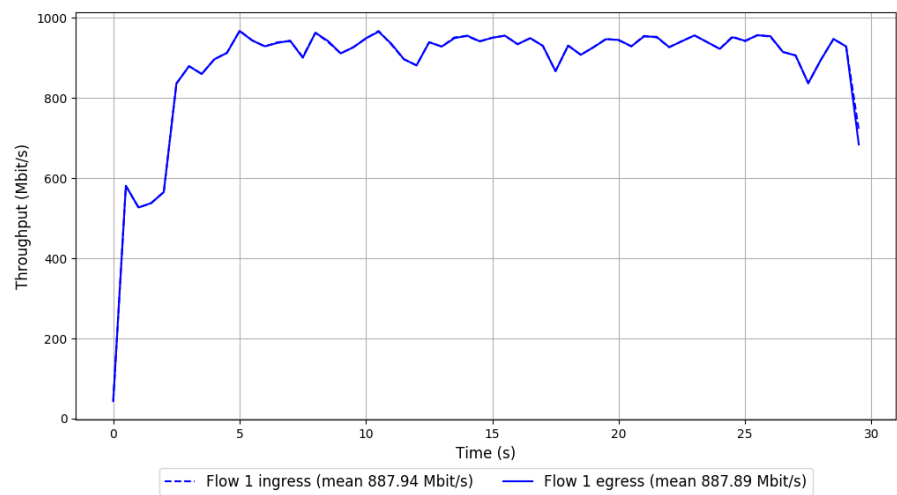
-- Flow 1:

Average throughput: 887.89 Mbit/s

95th percentile per-packet one-way delay: 2.209 ms

Loss rate: 0.07%

Run 1: Report of PCC-Allegro — Data Link

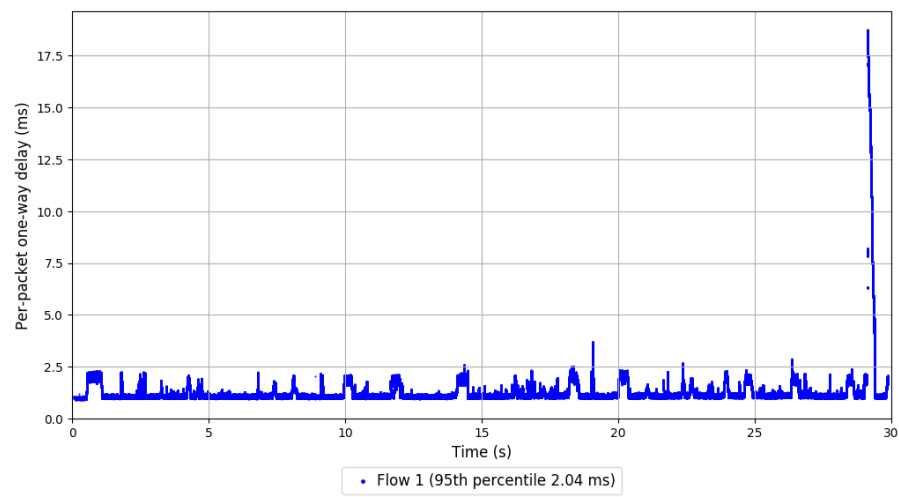
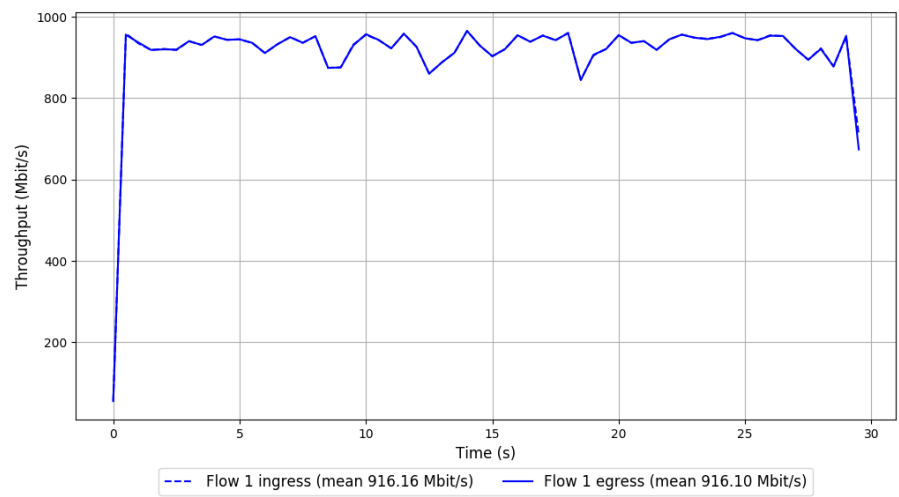


Run 2: Statistics of PCC-Allegro

Start at: 2018-04-17 01:50:40
End at: 2018-04-17 01:51:10
Local clock offset: 0.007 ms
Remote clock offset: -6.036 ms

Below is generated by plot.py at 2018-04-17 10:34:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 916.10 Mbit/s
95th percentile per-packet one-way delay: 2.042 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 916.10 Mbit/s
95th percentile per-packet one-way delay: 2.042 ms
Loss rate: 0.07%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-04-17 02:16:05

End at: 2018-04-17 02:16:35

Local clock offset: 0.263 ms

Remote clock offset: -5.297 ms

Below is generated by plot.py at 2018-04-17 10:35:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 718.05 Mbit/s

95th percentile per-packet one-way delay: 2.223 ms

Loss rate: 1.70%

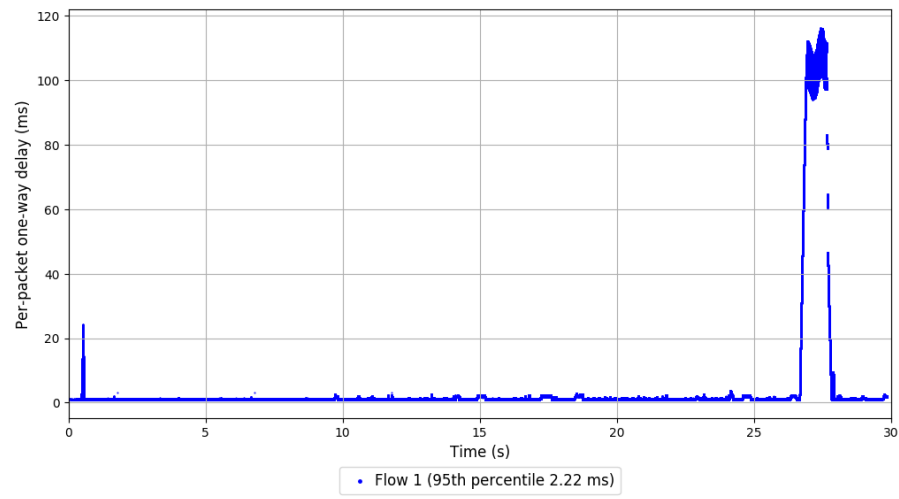
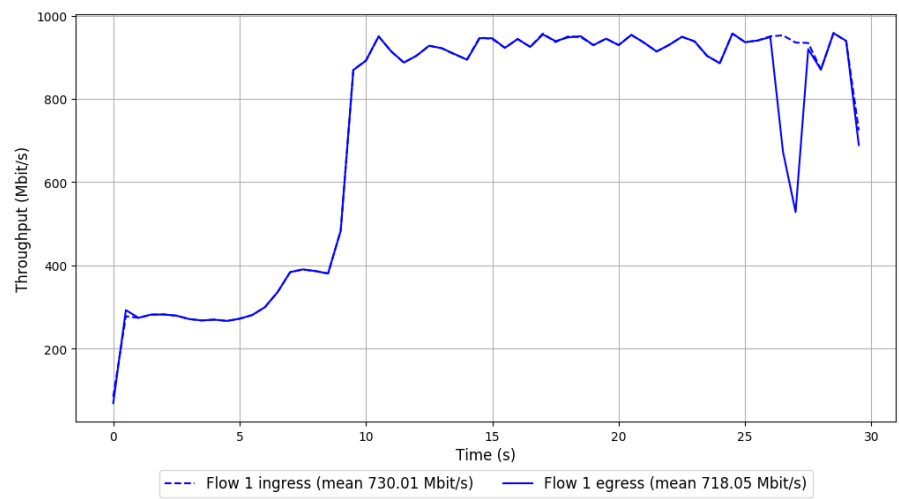
-- Flow 1:

Average throughput: 718.05 Mbit/s

95th percentile per-packet one-way delay: 2.223 ms

Loss rate: 1.70%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

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

End at: 2018-04-17 02:41:47

Local clock offset: 0.338 ms

Remote clock offset: -4.597 ms

Below is generated by plot.py at 2018-04-17 10:39:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 908.54 Mbit/s

95th percentile per-packet one-way delay: 2.570 ms

Loss rate: 0.11%

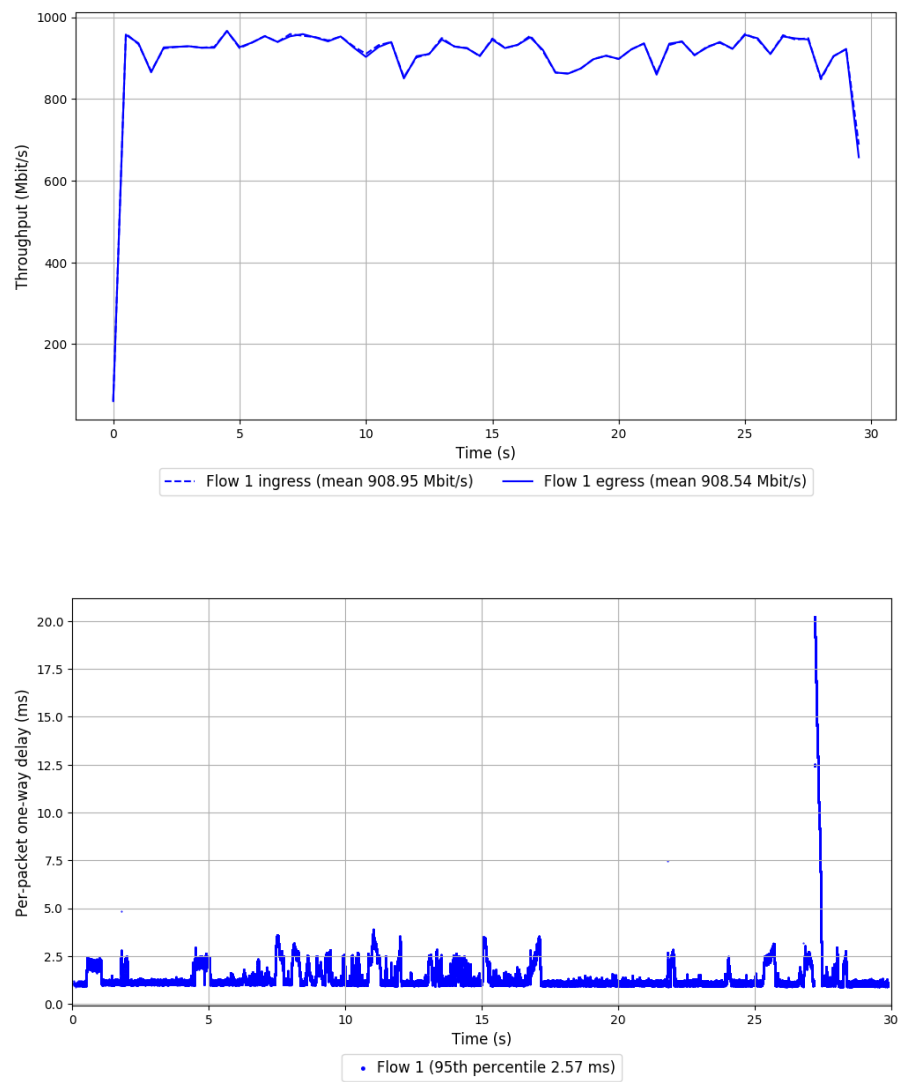
-- Flow 1:

Average throughput: 908.54 Mbit/s

95th percentile per-packet one-way delay: 2.570 ms

Loss rate: 0.11%

Run 4: Report of PCC-Allegro — Data Link

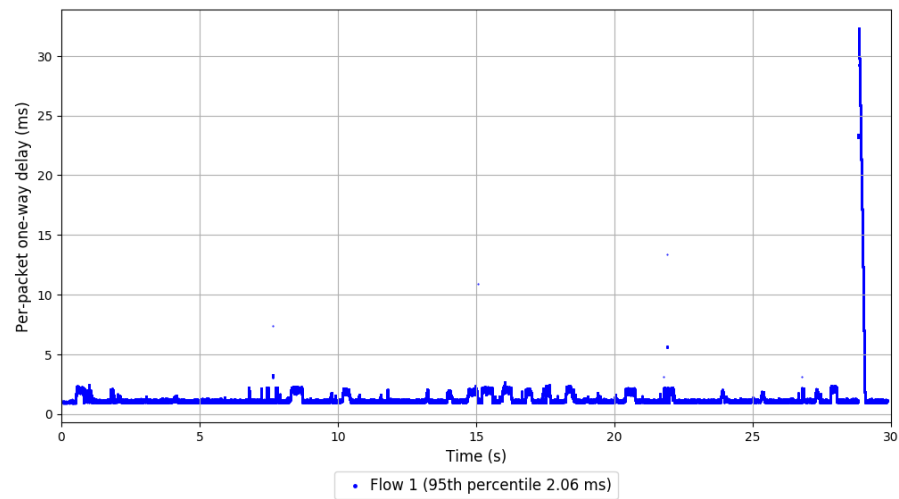
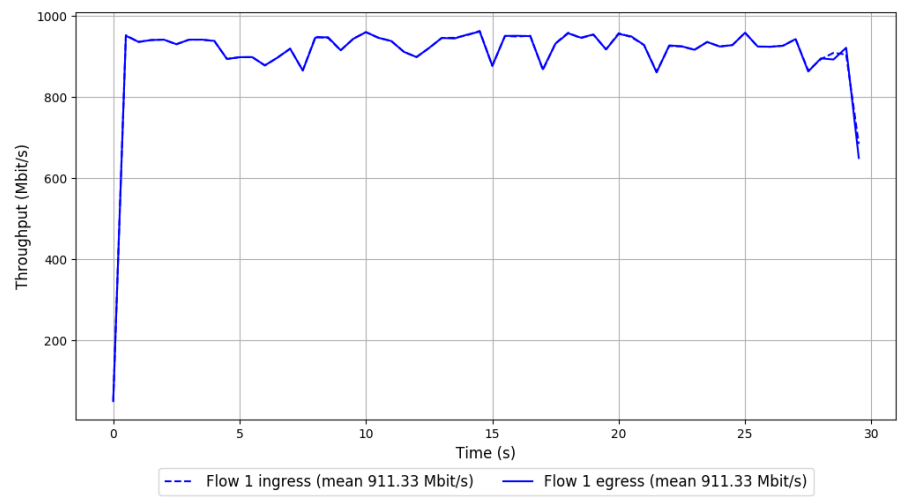


Run 5: Statistics of PCC-Allegro

Start at: 2018-04-17 03:06:41
End at: 2018-04-17 03:07:11
Local clock offset: 0.279 ms
Remote clock offset: -6.337 ms

Below is generated by plot.py at 2018-04-17 10:40:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 911.33 Mbit/s
95th percentile per-packet one-way delay: 2.063 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 911.33 Mbit/s
95th percentile per-packet one-way delay: 2.063 ms
Loss rate: 0.07%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-04-17 03:32:07

End at: 2018-04-17 03:32:37

Local clock offset: 0.045 ms

Remote clock offset: -6.168 ms

Below is generated by plot.py at 2018-04-17 10:40:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 918.87 Mbit/s

95th percentile per-packet one-way delay: 2.071 ms

Loss rate: 0.07%

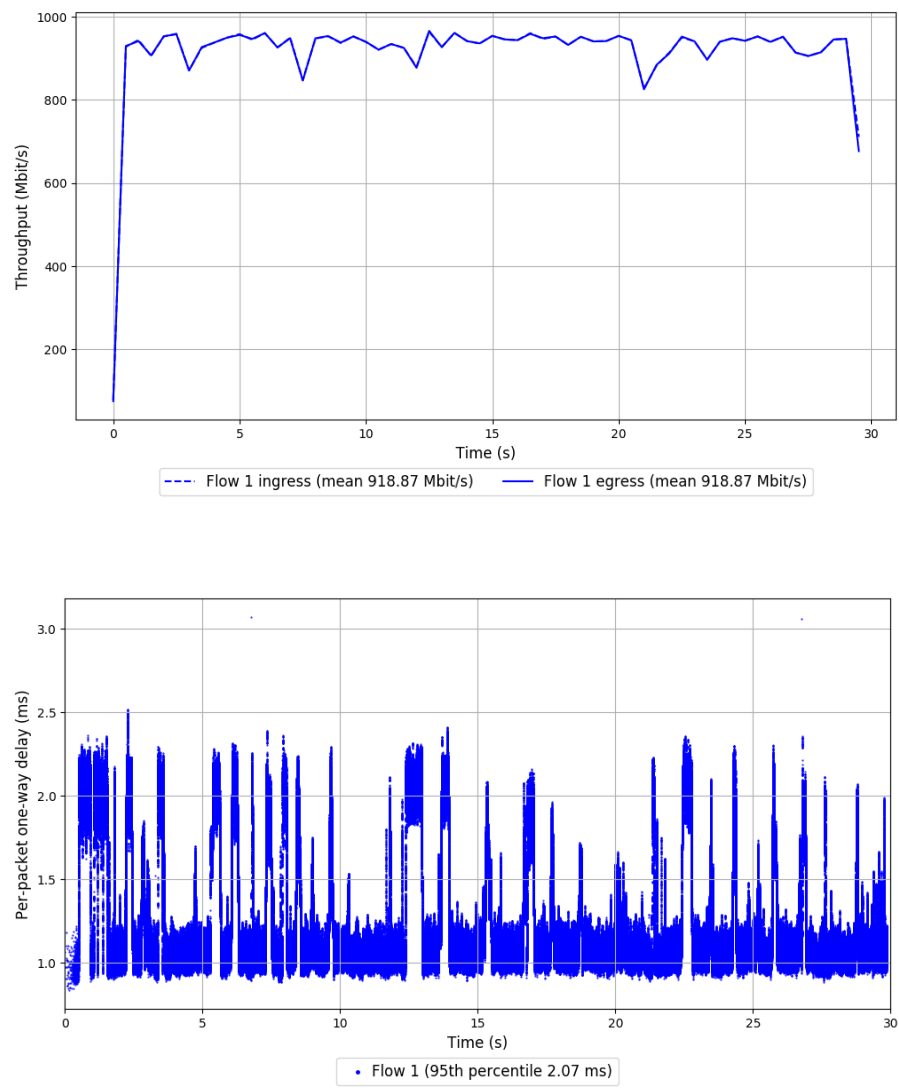
-- Flow 1:

Average throughput: 918.87 Mbit/s

95th percentile per-packet one-way delay: 2.071 ms

Loss rate: 0.07%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-04-17 03:57:25

End at: 2018-04-17 03:57:55

Local clock offset: 0.459 ms

Remote clock offset: -5.585 ms

Below is generated by plot.py at 2018-04-17 10:40:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 922.68 Mbit/s

95th percentile per-packet one-way delay: 2.235 ms

Loss rate: 0.07%

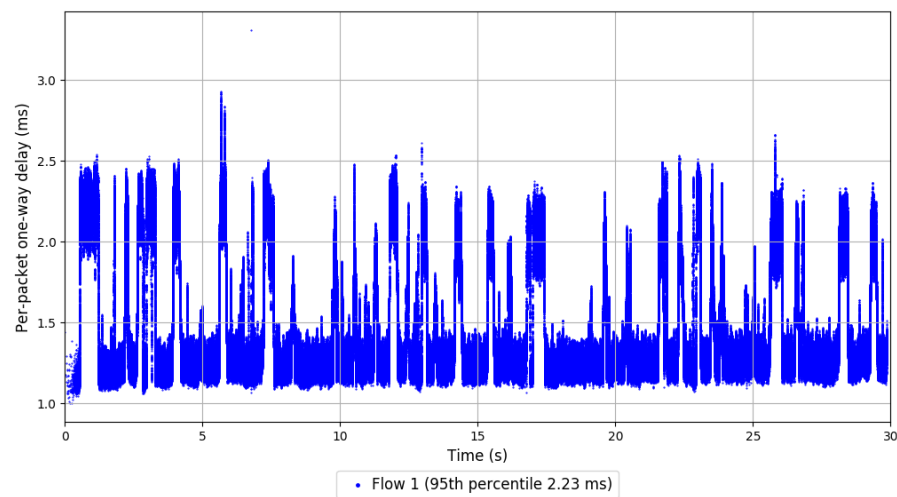
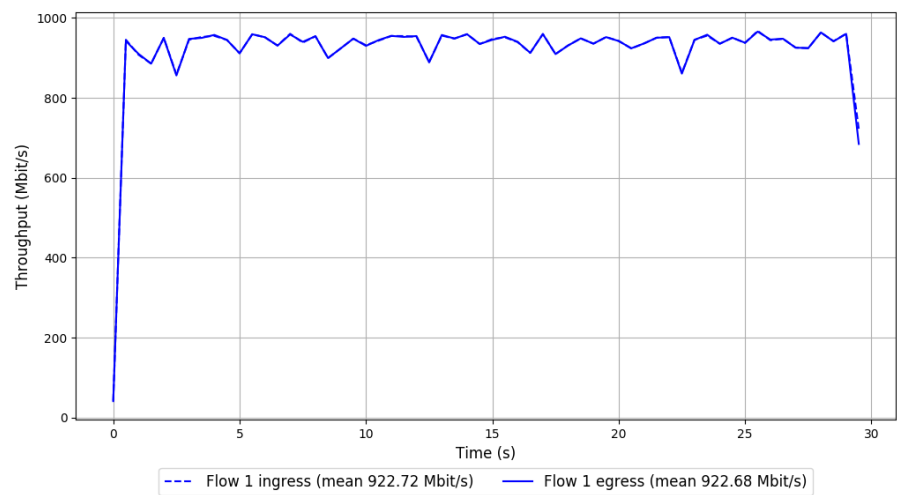
-- Flow 1:

Average throughput: 922.68 Mbit/s

95th percentile per-packet one-way delay: 2.235 ms

Loss rate: 0.07%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-04-17 04:22:47

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

Local clock offset: 0.401 ms

Remote clock offset: -4.643 ms

Below is generated by plot.py at 2018-04-17 10:40:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 893.90 Mbit/s

95th percentile per-packet one-way delay: 1.972 ms

Loss rate: 0.07%

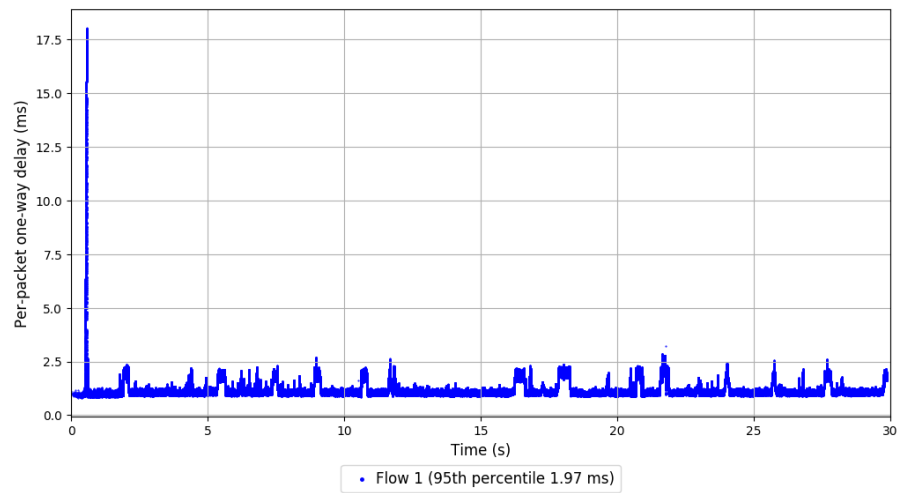
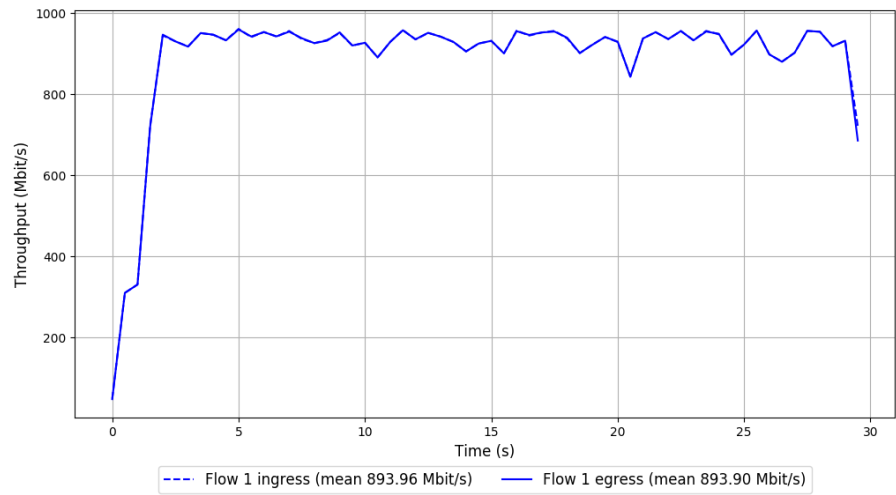
-- Flow 1:

Average throughput: 893.90 Mbit/s

95th percentile per-packet one-way delay: 1.972 ms

Loss rate: 0.07%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-04-17 04:48:15

End at: 2018-04-17 04:48:45

Local clock offset: 0.44 ms

Remote clock offset: -4.839 ms

Below is generated by plot.py at 2018-04-17 10:45:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 705.77 Mbit/s

95th percentile per-packet one-way delay: 59.734 ms

Loss rate: 0.16%

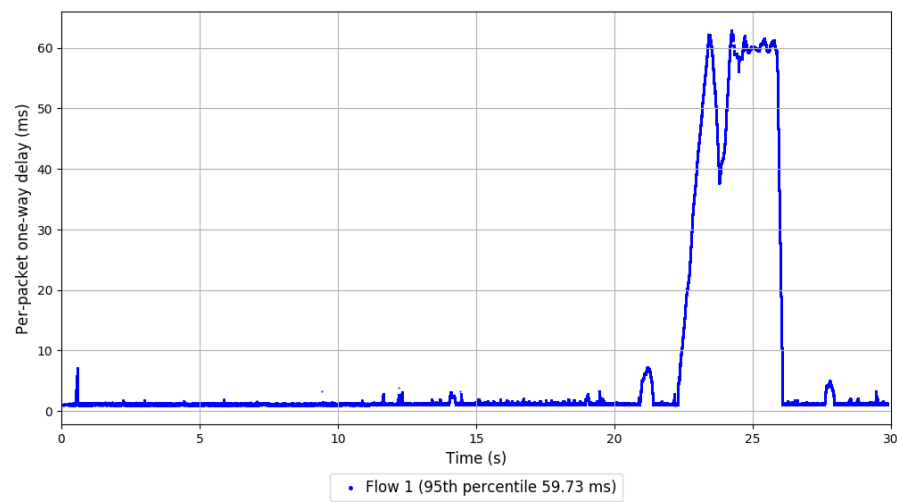
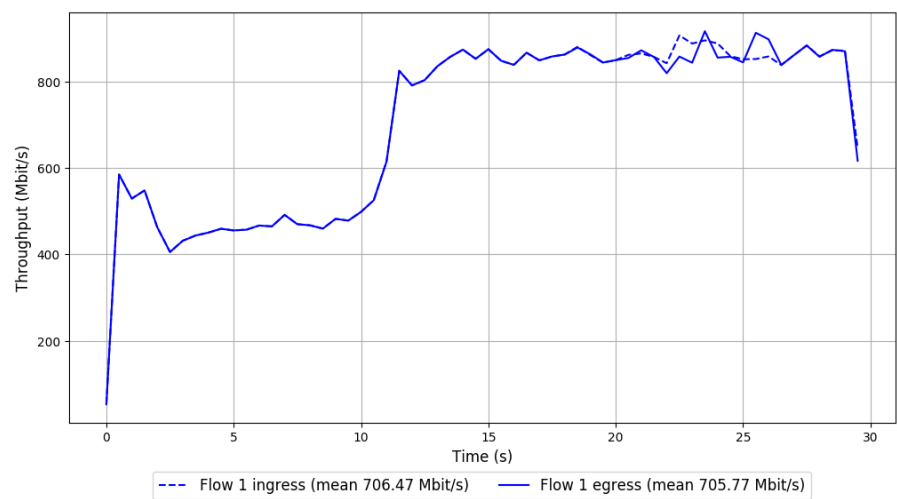
-- Flow 1:

Average throughput: 705.77 Mbit/s

95th percentile per-packet one-way delay: 59.734 ms

Loss rate: 0.16%

Run 9: Report of PCC-Allegro — Data Link

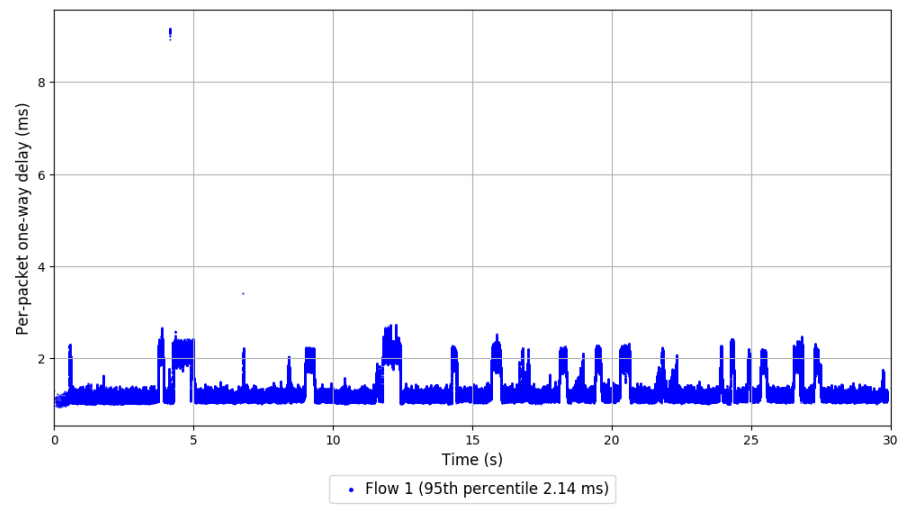
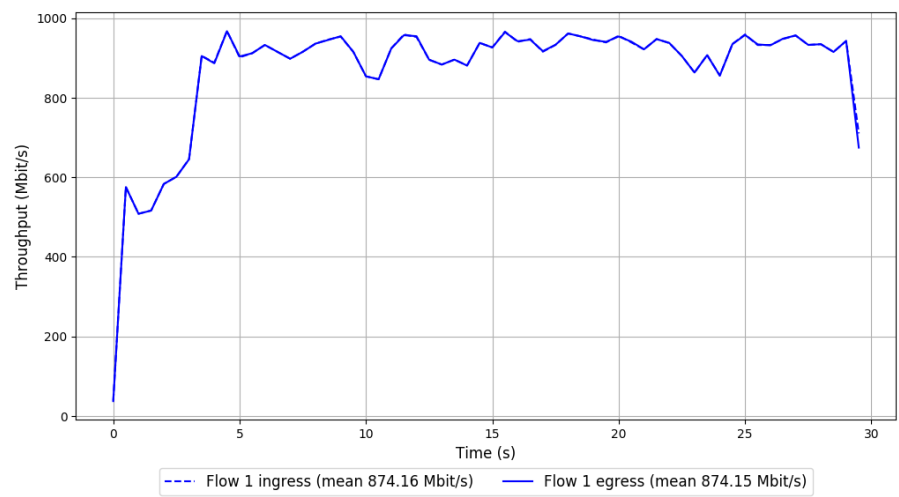


Run 10: Statistics of PCC-Allegro

Start at: 2018-04-17 05:13:23
End at: 2018-04-17 05:13:53
Local clock offset: -0.035 ms
Remote clock offset: -6.214 ms

Below is generated by plot.py at 2018-04-17 10:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 874.15 Mbit/s
95th percentile per-packet one-way delay: 2.137 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 874.15 Mbit/s
95th percentile per-packet one-way delay: 2.137 ms
Loss rate: 0.07%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-04-17 01:42:09

End at: 2018-04-17 01:42:39

Local clock offset: 0.204 ms

Remote clock offset: -6.21 ms

Below is generated by plot.py at 2018-04-17 10:49:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.88 Mbit/s

95th percentile per-packet one-way delay: 1.204 ms

Loss rate: 0.07%

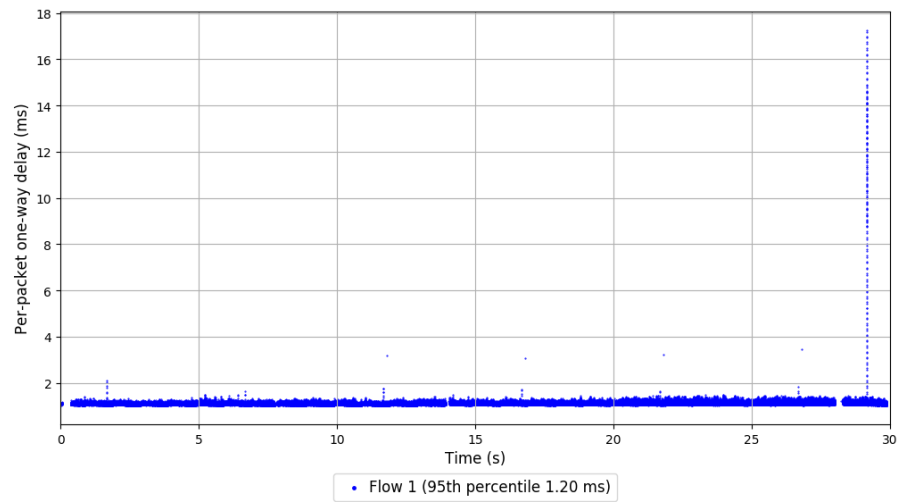
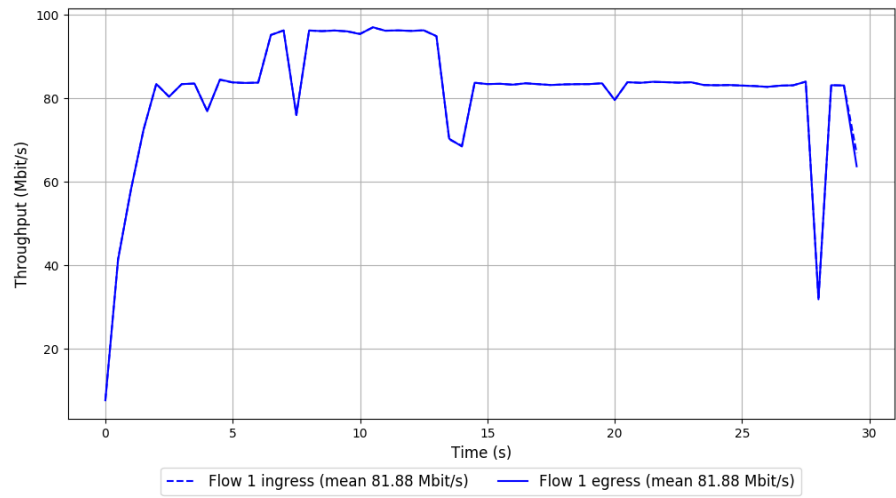
-- Flow 1:

Average throughput: 81.88 Mbit/s

95th percentile per-packet one-way delay: 1.204 ms

Loss rate: 0.07%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-04-17 02:07:32

End at: 2018-04-17 02:08:02

Local clock offset: 0.13 ms

Remote clock offset: -5.794 ms

Below is generated by plot.py at 2018-04-17 10:49:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.66 Mbit/s

95th percentile per-packet one-way delay: 1.067 ms

Loss rate: 0.07%

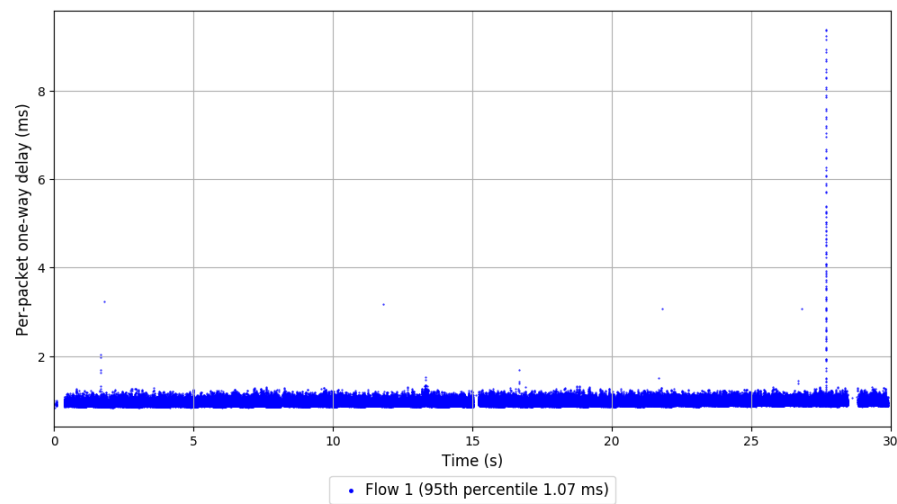
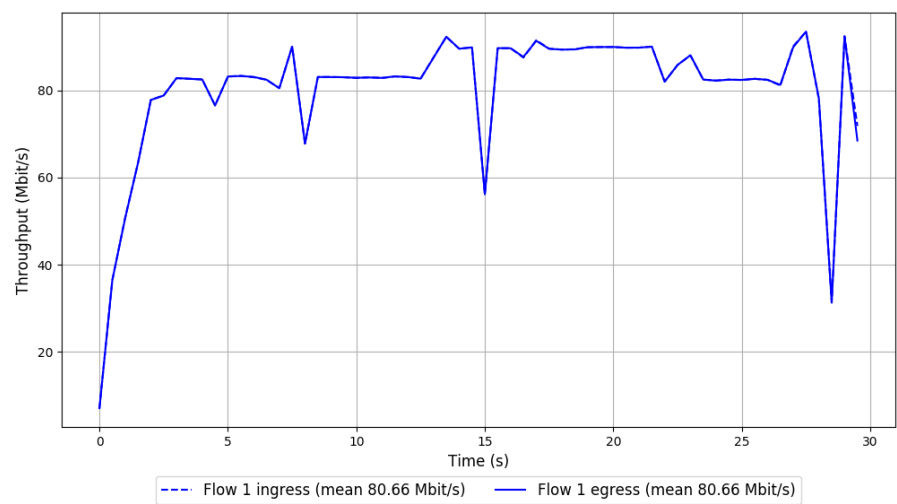
-- Flow 1:

Average throughput: 80.66 Mbit/s

95th percentile per-packet one-way delay: 1.067 ms

Loss rate: 0.07%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-04-17 02:32:44

End at: 2018-04-17 02:33:14

Local clock offset: 0.249 ms

Remote clock offset: -4.807 ms

Below is generated by plot.py at 2018-04-17 10:49:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.65 Mbit/s

95th percentile per-packet one-way delay: 1.113 ms

Loss rate: 0.07%

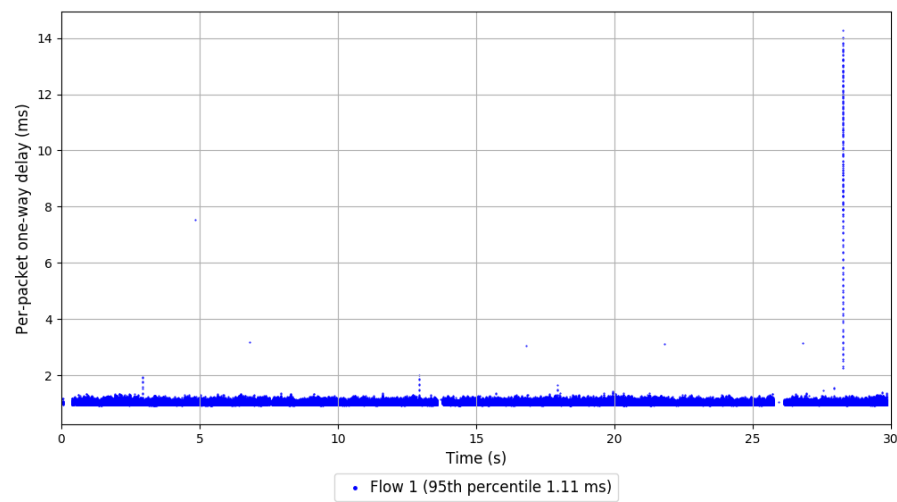
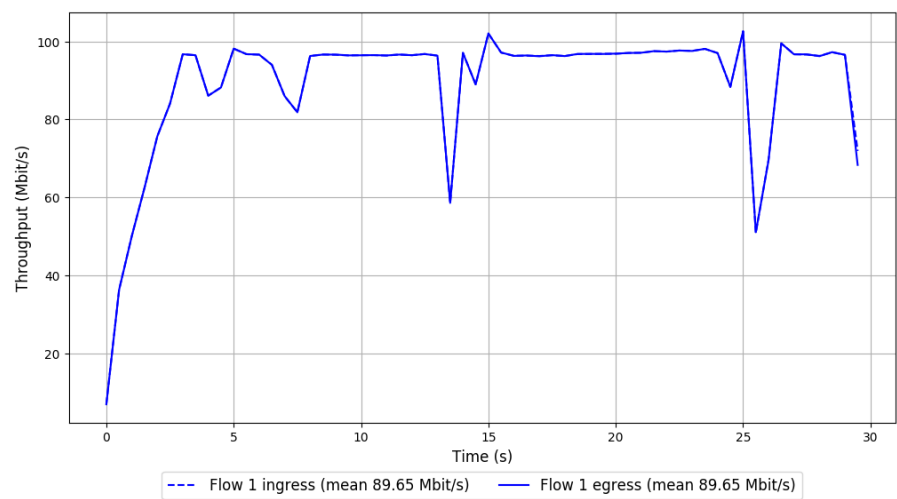
-- Flow 1:

Average throughput: 89.65 Mbit/s

95th percentile per-packet one-way delay: 1.113 ms

Loss rate: 0.07%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-04-17 02:58:10

End at: 2018-04-17 02:58:40

Local clock offset: 0.387 ms

Remote clock offset: -6.192 ms

Below is generated by plot.py at 2018-04-17 10:49:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.21 Mbit/s

95th percentile per-packet one-way delay: 1.207 ms

Loss rate: 0.07%

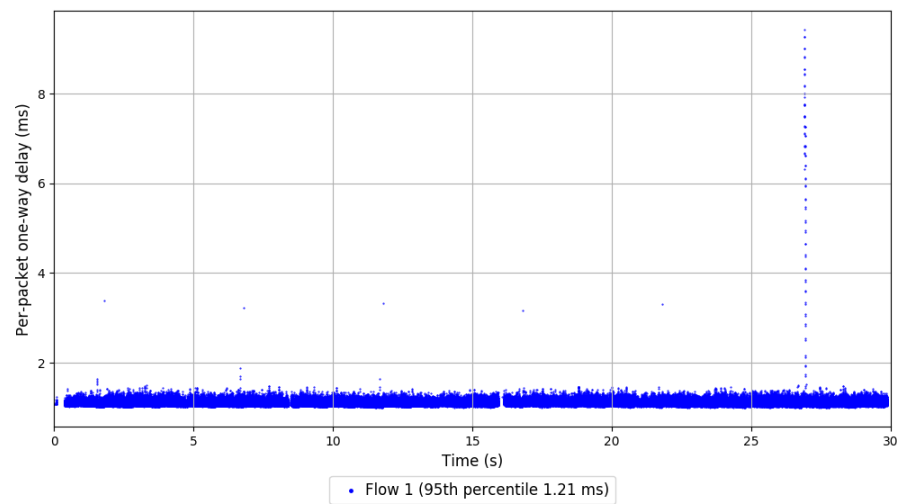
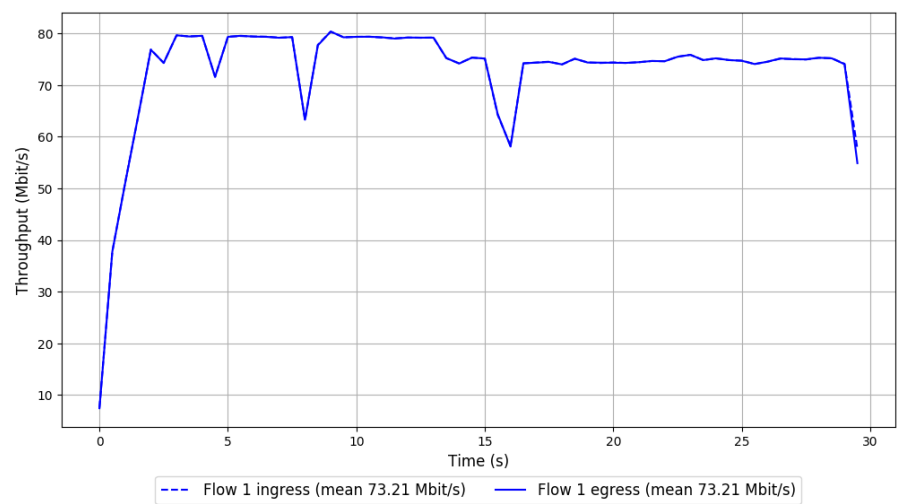
-- Flow 1:

Average throughput: 73.21 Mbit/s

95th percentile per-packet one-way delay: 1.207 ms

Loss rate: 0.07%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-04-17 03:23:33

End at: 2018-04-17 03:24:03

Local clock offset: 0.042 ms

Remote clock offset: -6.353 ms

Below is generated by plot.py at 2018-04-17 10:49:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.00 Mbit/s

95th percentile per-packet one-way delay: 1.136 ms

Loss rate: 0.09%

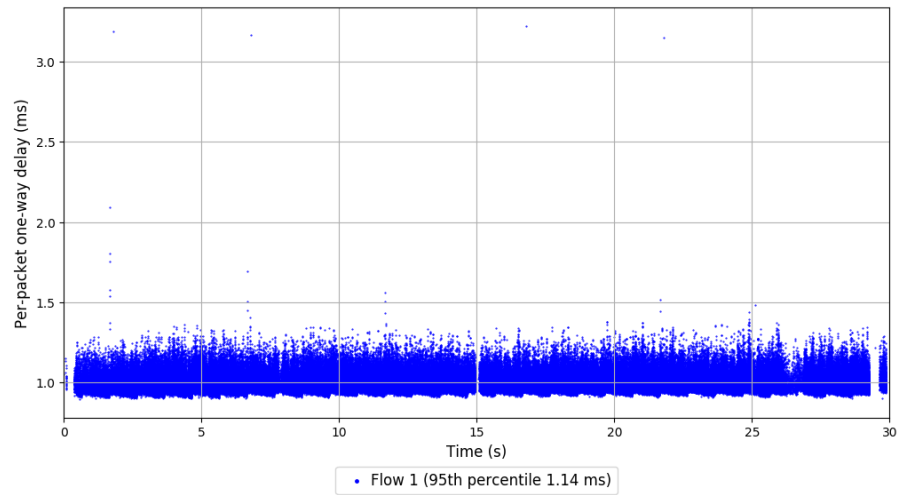
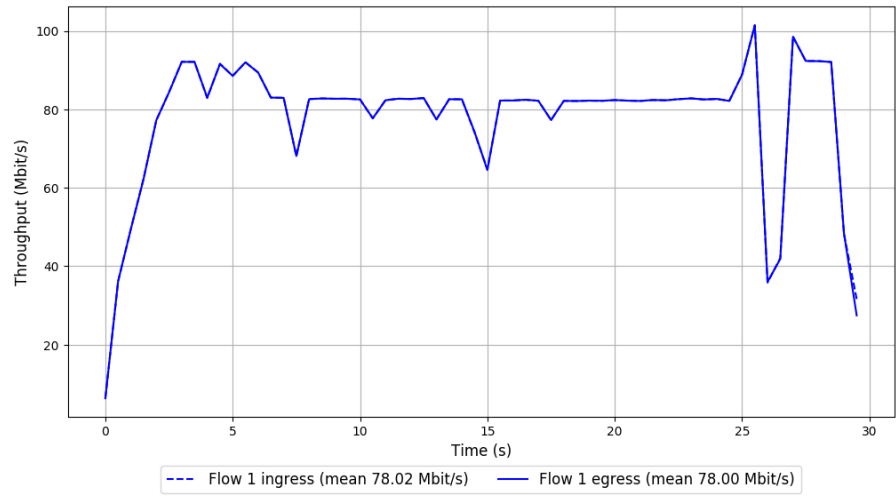
-- Flow 1:

Average throughput: 78.00 Mbit/s

95th percentile per-packet one-way delay: 1.136 ms

Loss rate: 0.09%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-04-17 03:48:57

End at: 2018-04-17 03:49:27

Local clock offset: 0.314 ms

Remote clock offset: -6.116 ms

Below is generated by plot.py at 2018-04-17 10:49:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.05 Mbit/s

95th percentile per-packet one-way delay: 1.115 ms

Loss rate: 0.00%

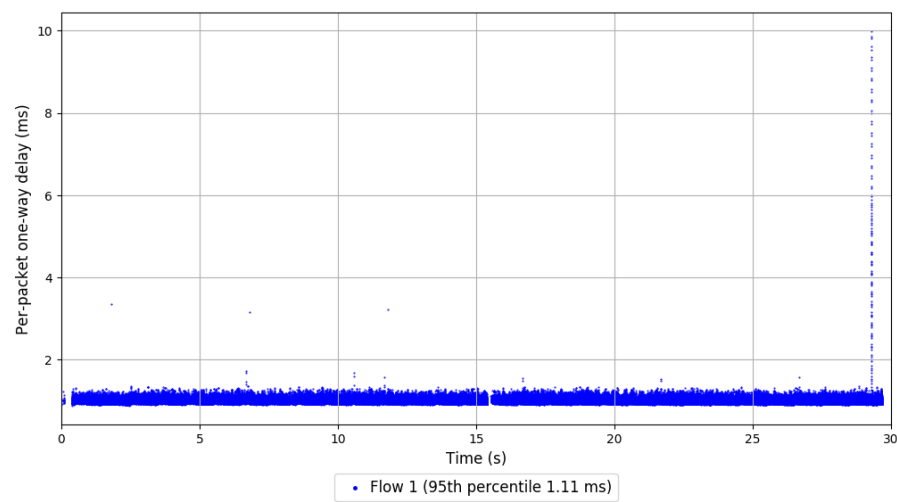
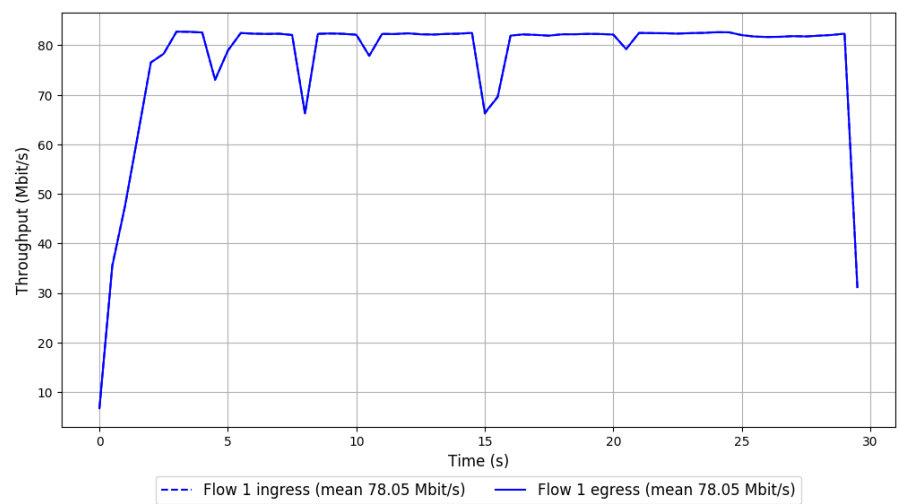
-- Flow 1:

Average throughput: 78.05 Mbit/s

95th percentile per-packet one-way delay: 1.115 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

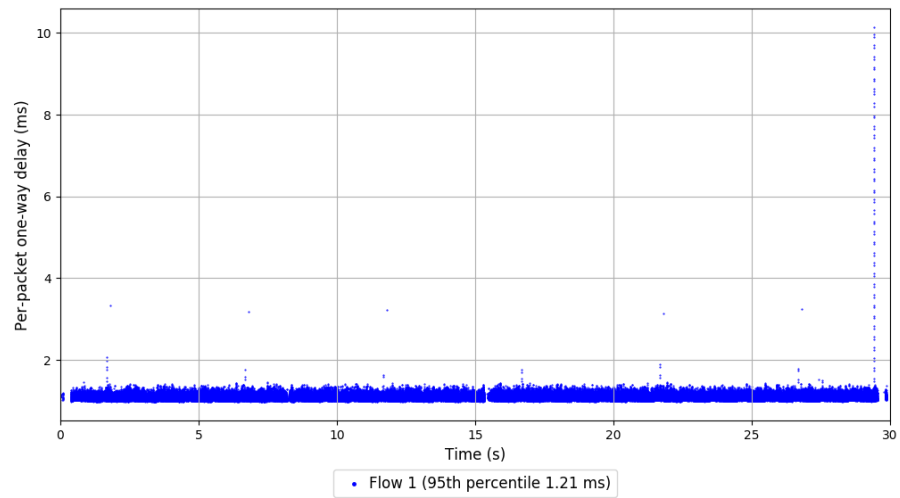
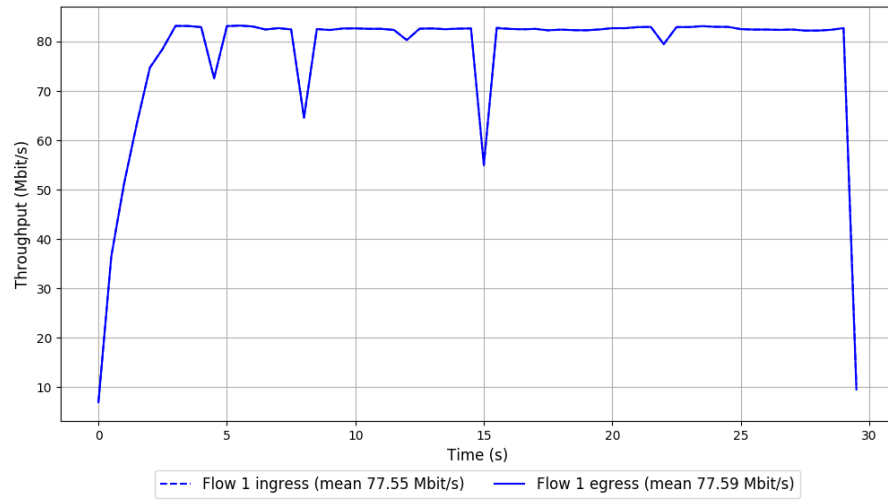


Run 7: Statistics of QUIC Cubic

Start at: 2018-04-17 04:14:15
End at: 2018-04-17 04:14:45
Local clock offset: 0.538 ms
Remote clock offset: -4.967 ms

Below is generated by plot.py at 2018-04-17 10:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.59 Mbit/s
95th percentile per-packet one-way delay: 1.209 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 77.59 Mbit/s
95th percentile per-packet one-way delay: 1.209 ms
Loss rate: 0.02%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-04-17 04:39:42

End at: 2018-04-17 04:40:12

Local clock offset: 0.371 ms

Remote clock offset: -4.993 ms

Below is generated by plot.py at 2018-04-17 10:49:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.59 Mbit/s

95th percentile per-packet one-way delay: 1.159 ms

Loss rate: 0.09%

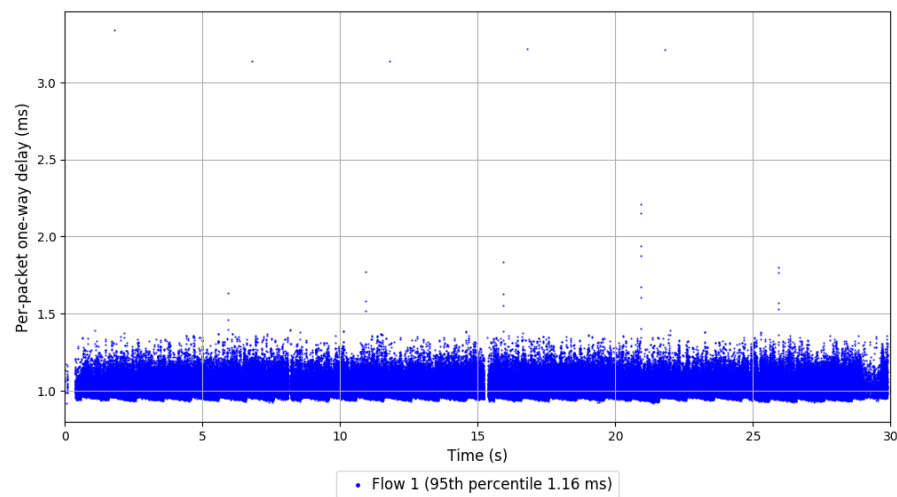
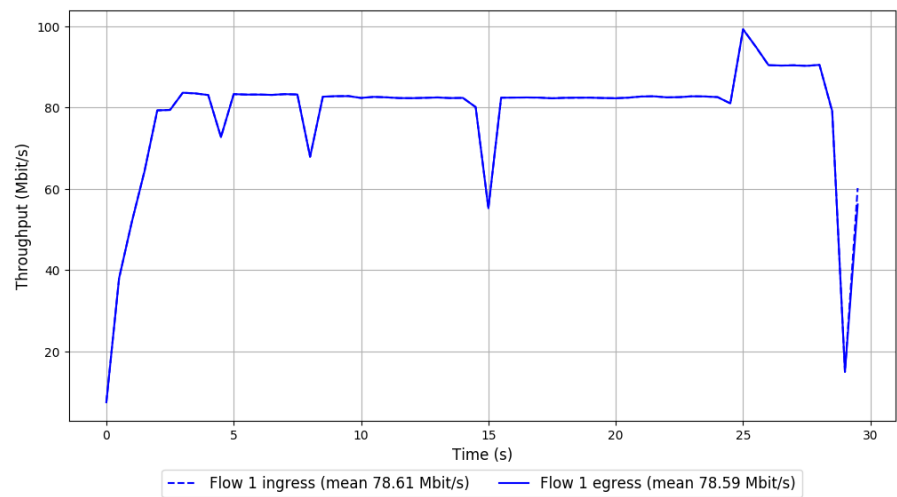
-- Flow 1:

Average throughput: 78.59 Mbit/s

95th percentile per-packet one-way delay: 1.159 ms

Loss rate: 0.09%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-04-17 05:04:54

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

Local clock offset: 0.08 ms

Remote clock offset: -5.719 ms

Below is generated by plot.py at 2018-04-17 10:49:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.89 Mbit/s

95th percentile per-packet one-way delay: 1.220 ms

Loss rate: 0.07%

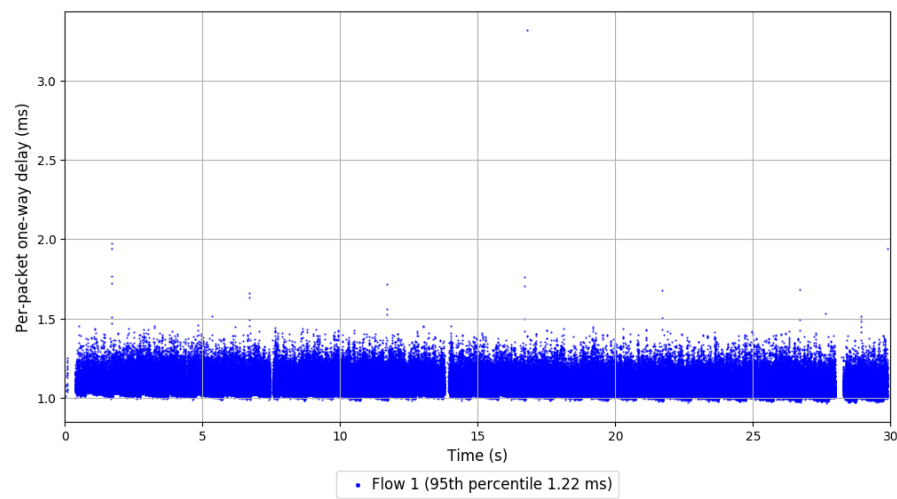
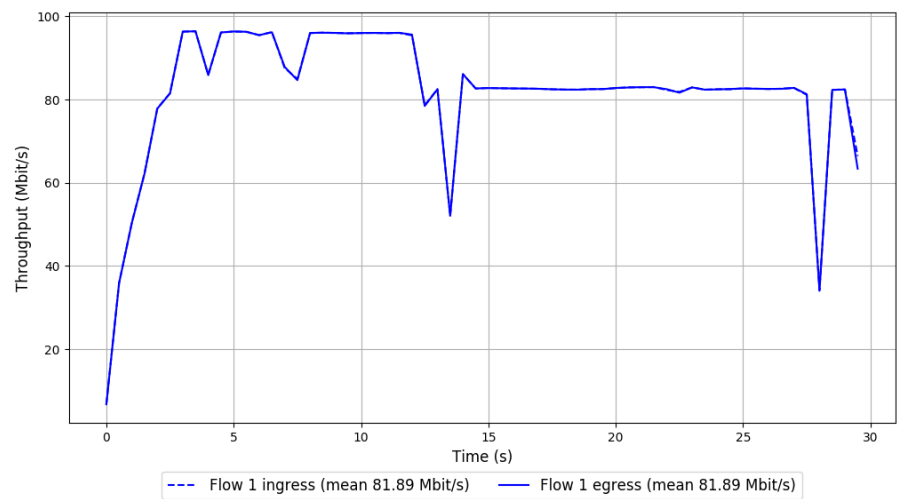
-- Flow 1:

Average throughput: 81.89 Mbit/s

95th percentile per-packet one-way delay: 1.220 ms

Loss rate: 0.07%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-04-17 05:30:06

End at: 2018-04-17 05:30:36

Local clock offset: -0.041 ms

Remote clock offset: -6.535 ms

Below is generated by plot.py at 2018-04-17 10:49:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.53 Mbit/s

95th percentile per-packet one-way delay: 1.145 ms

Loss rate: 0.07%

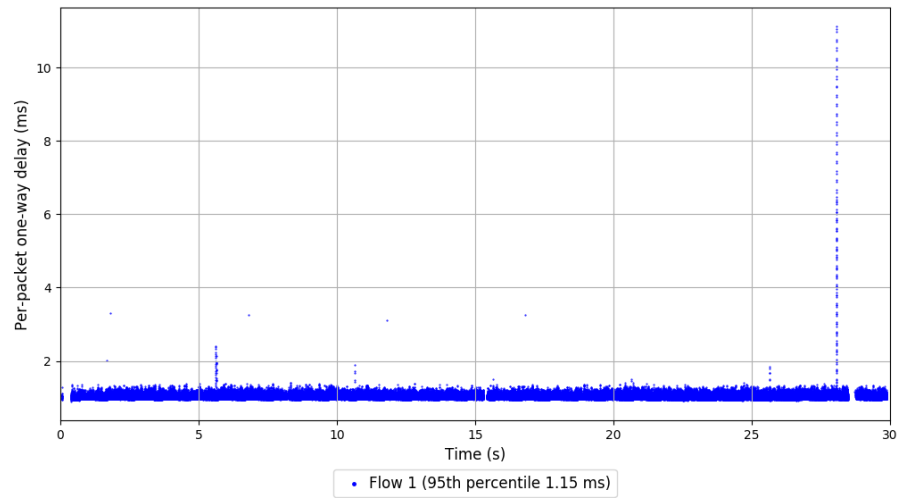
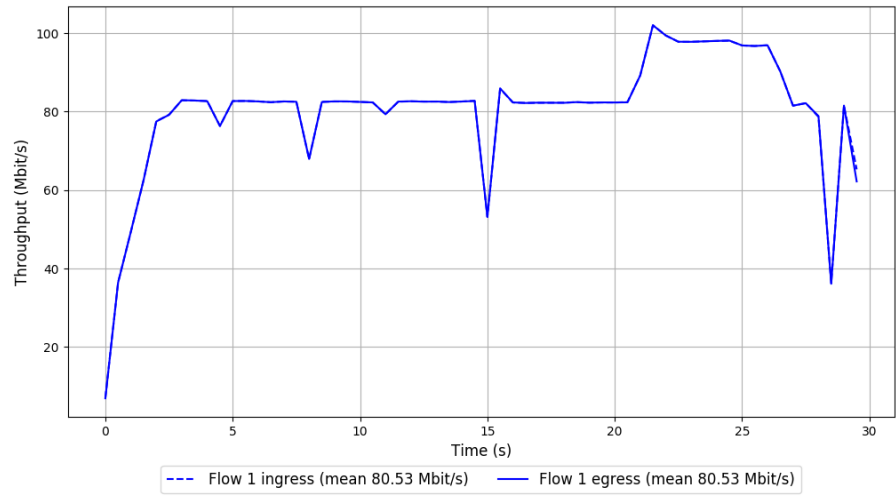
-- Flow 1:

Average throughput: 80.53 Mbit/s

95th percentile per-packet one-way delay: 1.145 ms

Loss rate: 0.07%

Run 10: Report of QUIC Cubic — Data Link

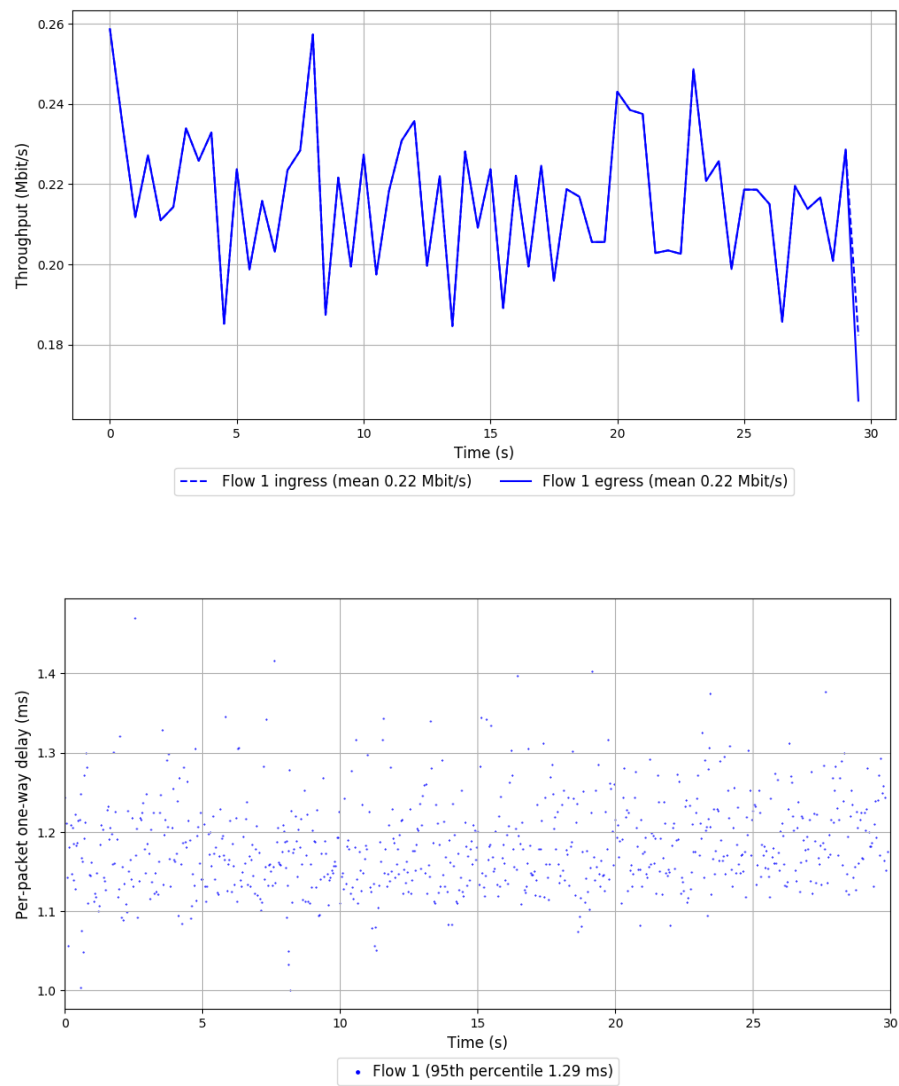


```
Run 1: Statistics of SCReAM

Start at: 2018-04-17 01:37:31
End at: 2018-04-17 01:38:01
Local clock offset: 0.222 ms
Remote clock offset: -6.309 ms

# Below is generated by plot.py at 2018-04-17 10:49:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.291 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.291 ms
Loss rate: 0.13%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-04-17 02:02:53

End at: 2018-04-17 02:03:23

Local clock offset: 0.017 ms

Remote clock offset: -5.8 ms

Below is generated by plot.py at 2018-04-17 10:49:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 0.997 ms

Loss rate: 0.13%

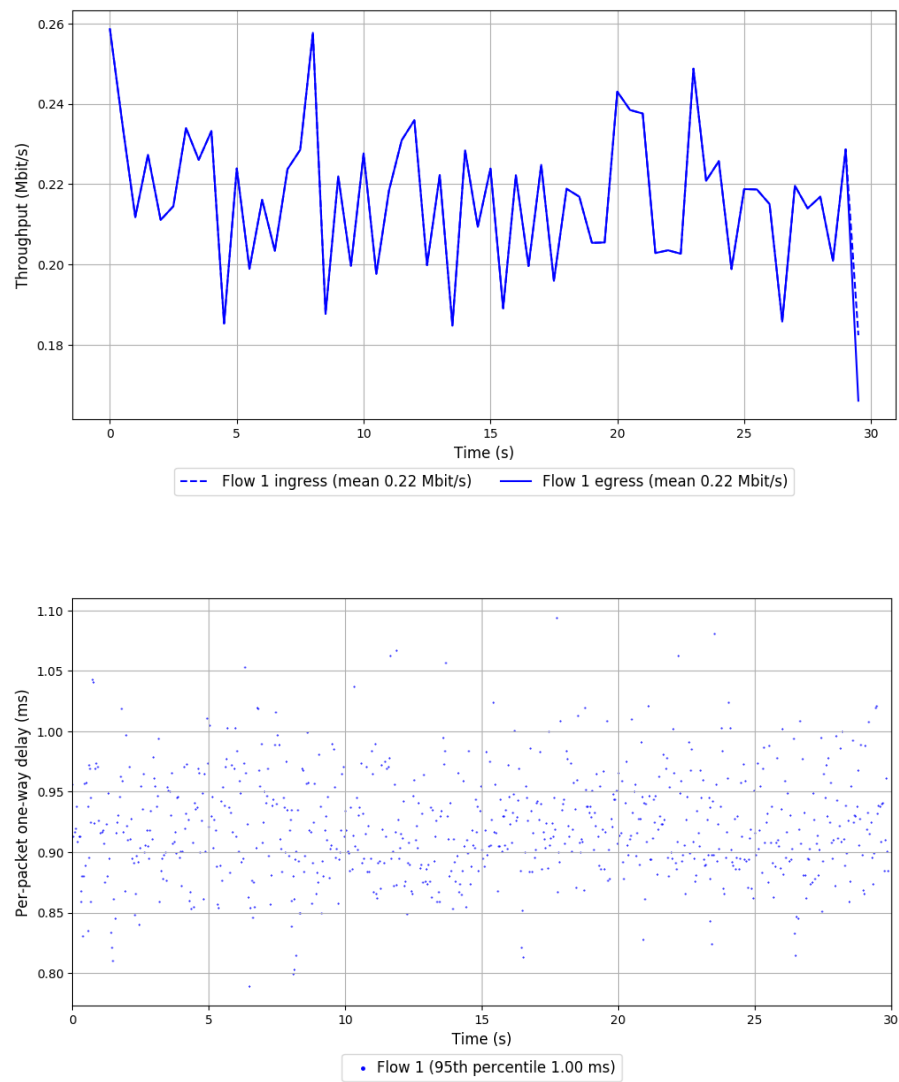
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 0.997 ms

Loss rate: 0.13%

Run 2: Report of SReAM — Data Link

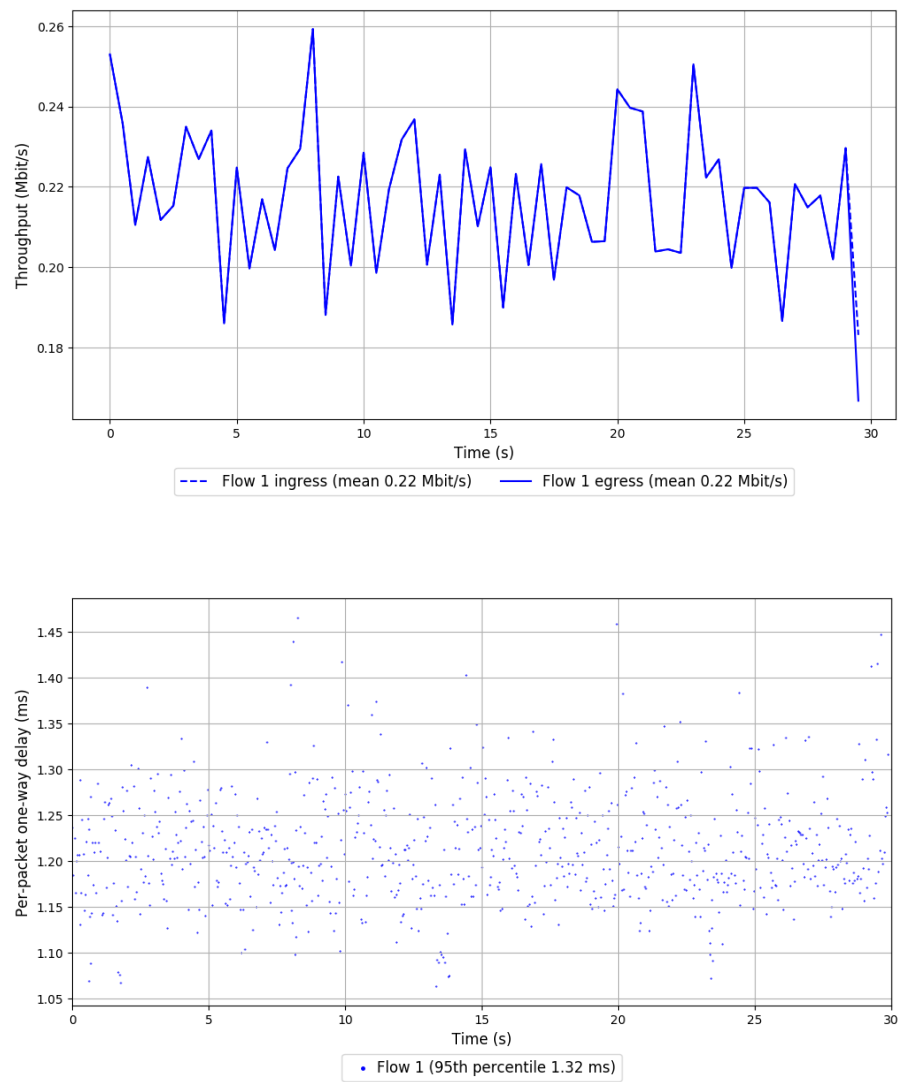


Run 3: Statistics of SCReAM

Start at: 2018-04-17 02:28:05
End at: 2018-04-17 02:28:35
Local clock offset: 0.258 ms
Remote clock offset: -4.984 ms

Below is generated by plot.py at 2018-04-17 10:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.317 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.317 ms
Loss rate: 0.13%

Run 3: Report of SReAM — Data Link

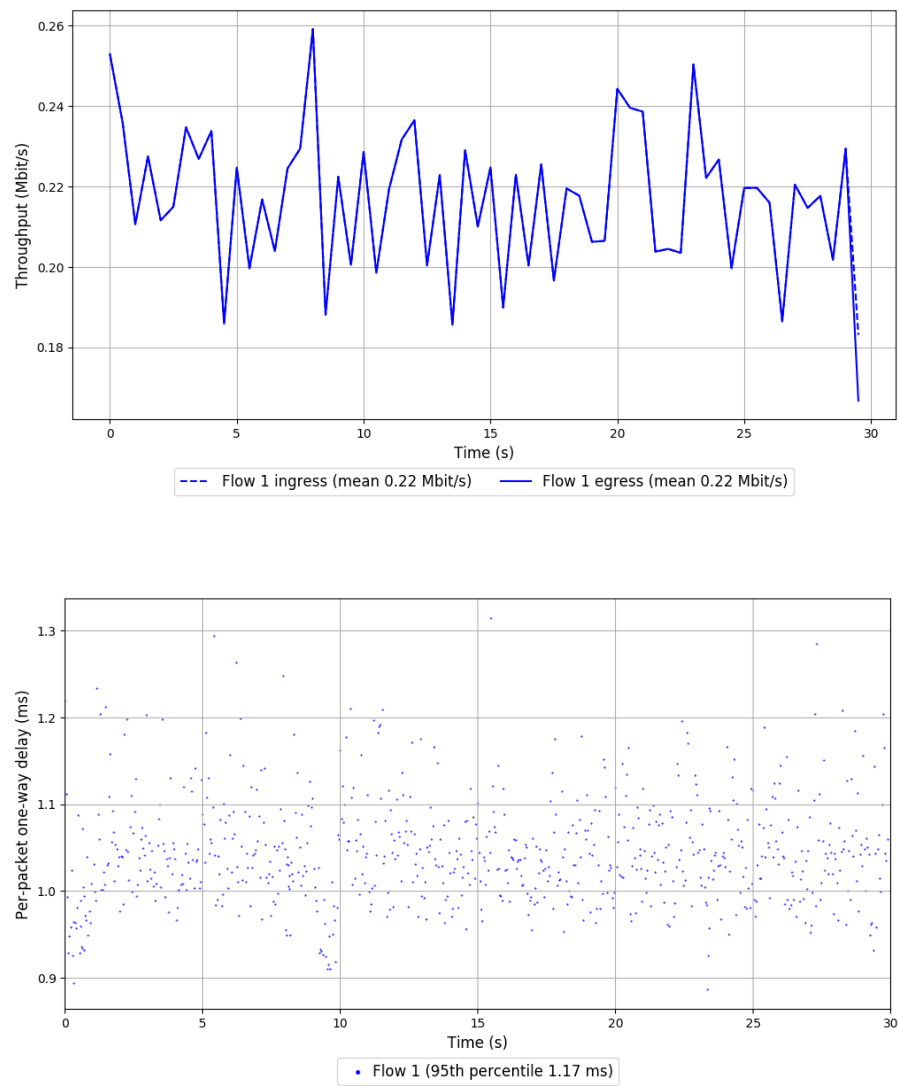


Run 4: Statistics of SCReAM

Start at: 2018-04-17 02:53:29
End at: 2018-04-17 02:53:59
Local clock offset: 0.307 ms
Remote clock offset: -5.927 ms

Below is generated by plot.py at 2018-04-17 10:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.165 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.165 ms
Loss rate: 0.13%

Run 4: Report of SReAM — Data Link

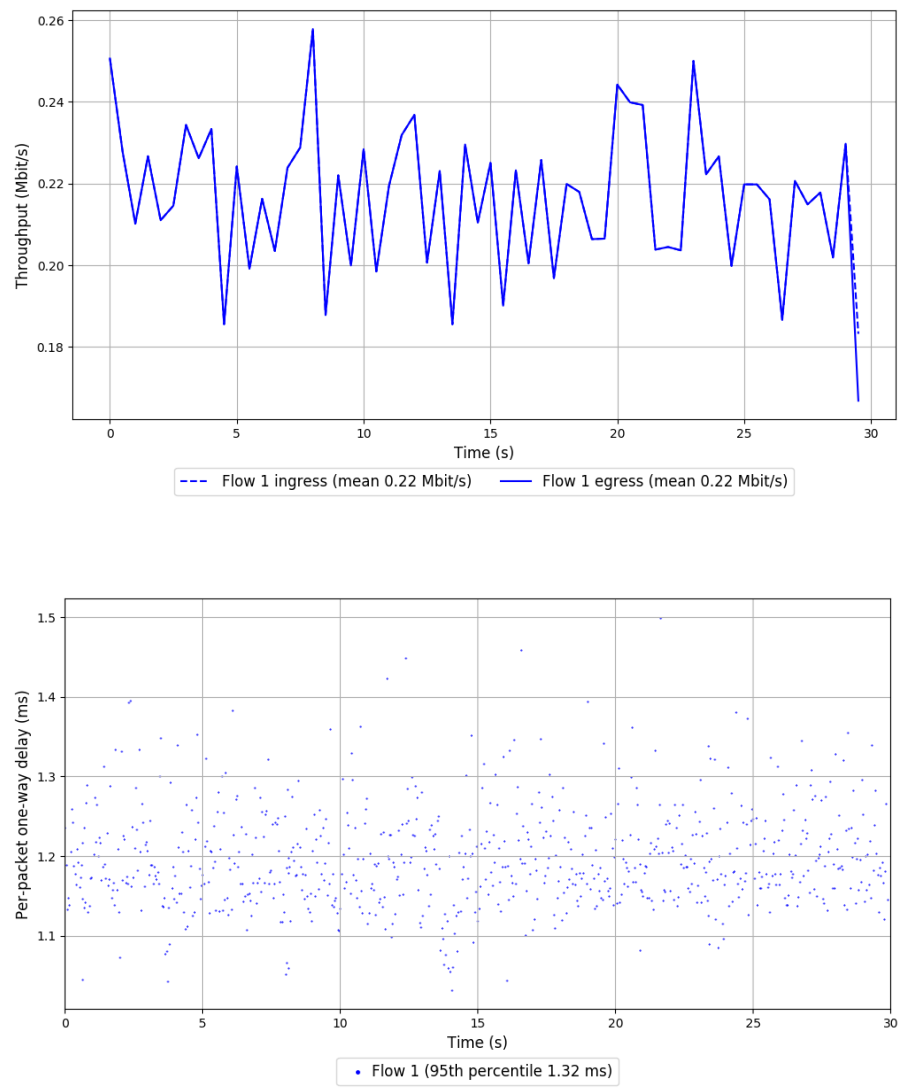


Run 5: Statistics of SCReAM

Start at: 2018-04-17 03:18:54
End at: 2018-04-17 03:19:24
Local clock offset: 0.165 ms
Remote clock offset: -6.395 ms

Below is generated by plot.py at 2018-04-17 10:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.316 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.316 ms
Loss rate: 0.13%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-04-17 03:44:20

End at: 2018-04-17 03:44:50

Local clock offset: 0.081 ms

Remote clock offset: -6.24 ms

Below is generated by plot.py at 2018-04-17 10:49:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.223 ms

Loss rate: 0.13%

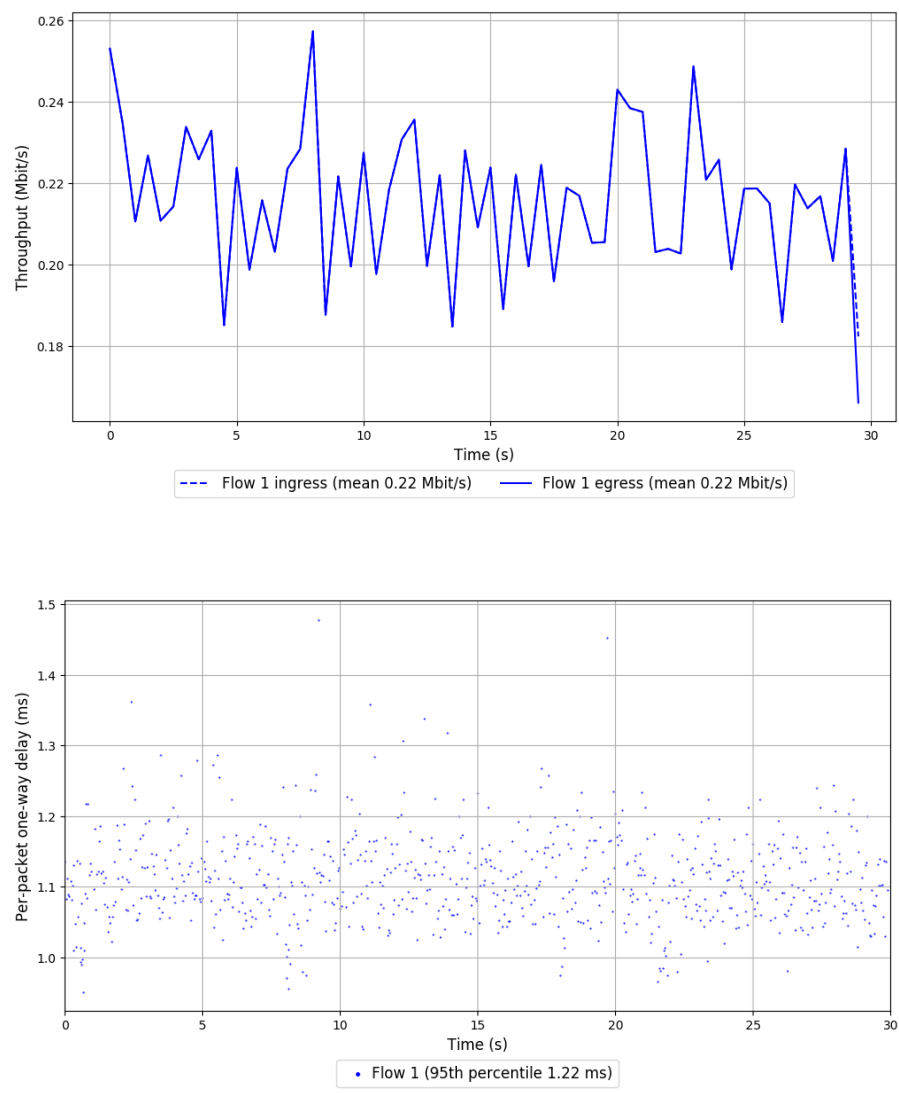
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.223 ms

Loss rate: 0.13%

Run 6: Report of SReAM — Data Link

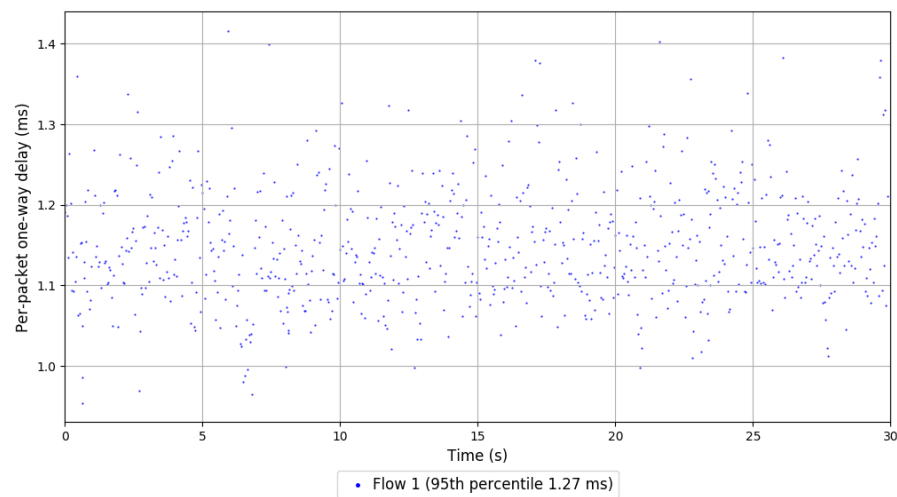
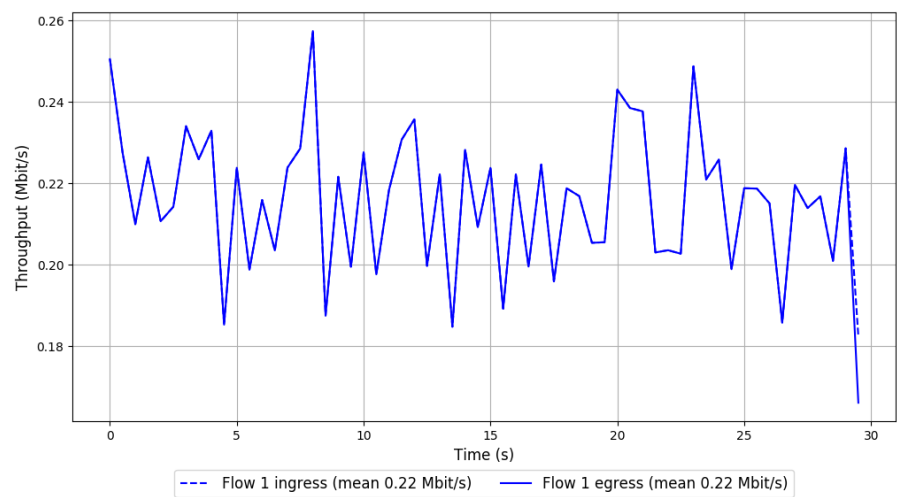


Run 7: Statistics of SCReAM

Start at: 2018-04-17 04:09:35
End at: 2018-04-17 04:10:05
Local clock offset: 0.437 ms
Remote clock offset: -5.091 ms

Below is generated by plot.py at 2018-04-17 10:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.274 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.274 ms
Loss rate: 0.13%

Run 7: Report of SReAM — Data Link

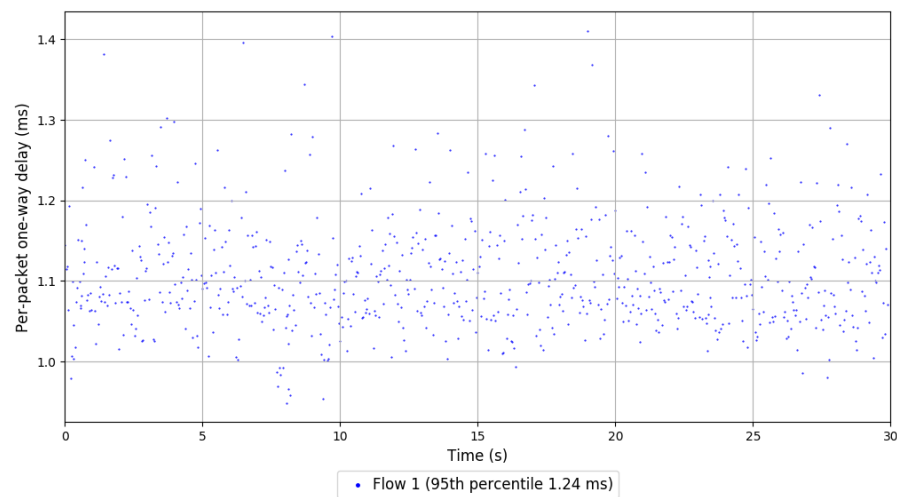
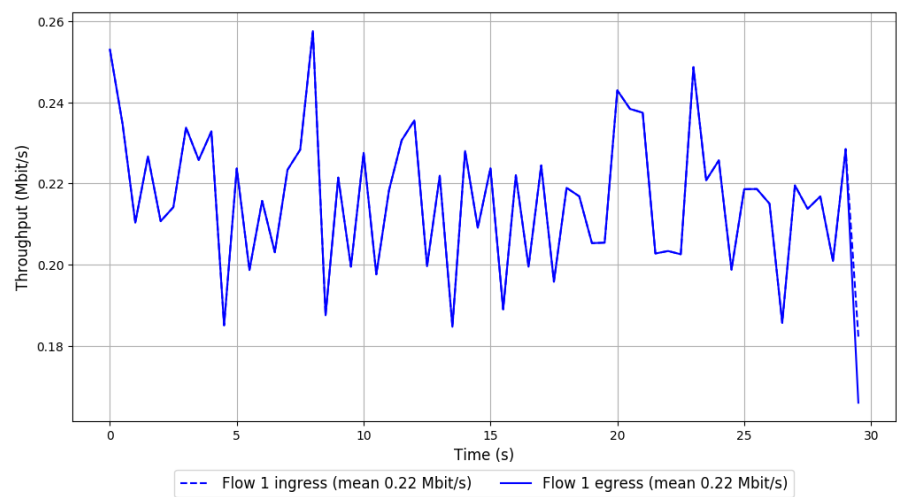


Run 8: Statistics of SCReAM

Start at: 2018-04-17 04:35:00
End at: 2018-04-17 04:35:30
Local clock offset: 0.458 ms
Remote clock offset: -4.876 ms

Below is generated by plot.py at 2018-04-17 10:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.241 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.241 ms
Loss rate: 0.13%

Run 8: Report of SReAM — Data Link

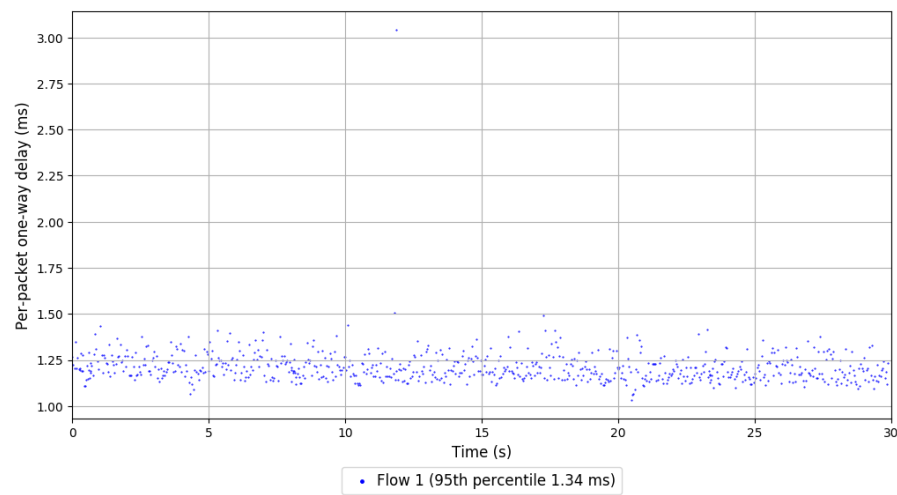
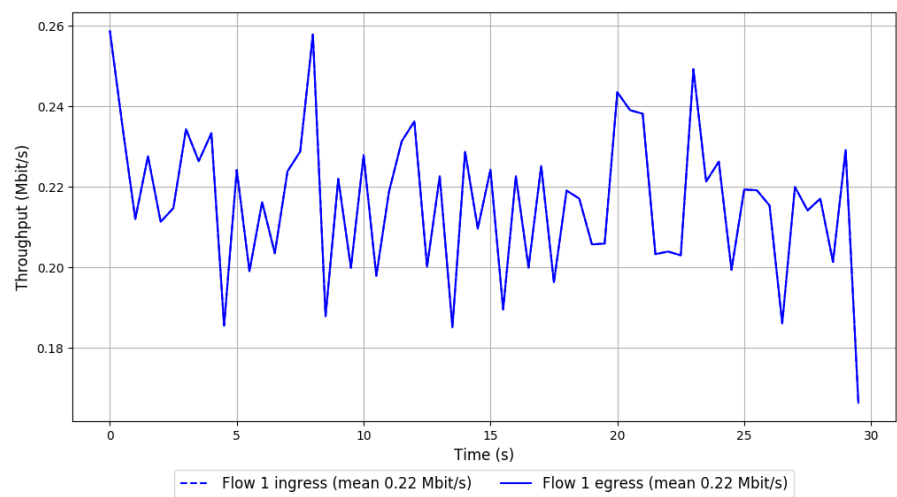


Run 9: Statistics of SCReAM

Start at: 2018-04-17 05:00:17
End at: 2018-04-17 05:00:47
Local clock offset: 0.168 ms
Remote clock offset: -5.193 ms

Below is generated by plot.py at 2018-04-17 10:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.342 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.342 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

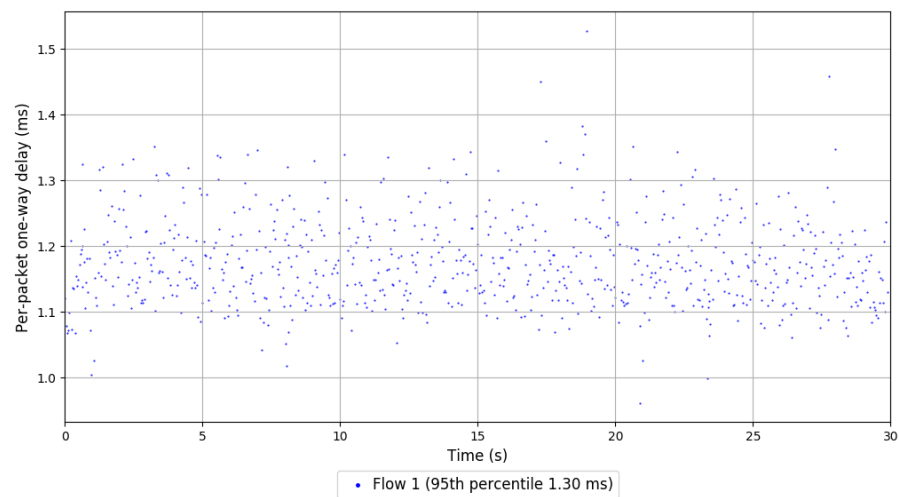
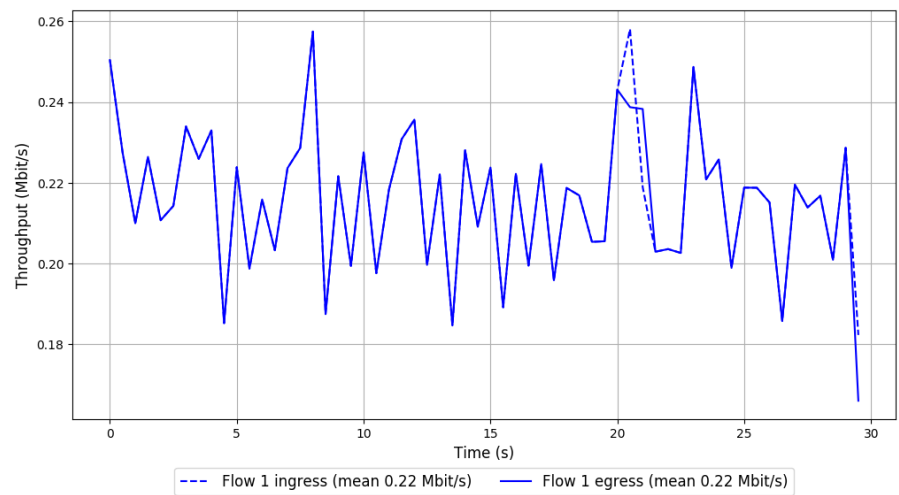


Run 10: Statistics of SCReAM

Start at: 2018-04-17 05:25:26
End at: 2018-04-17 05:25:56
Local clock offset: -0.109 ms
Remote clock offset: -6.533 ms

Below is generated by plot.py at 2018-04-17 10:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.303 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.303 ms
Loss rate: 0.13%

Run 10: Report of SReAM — Data Link

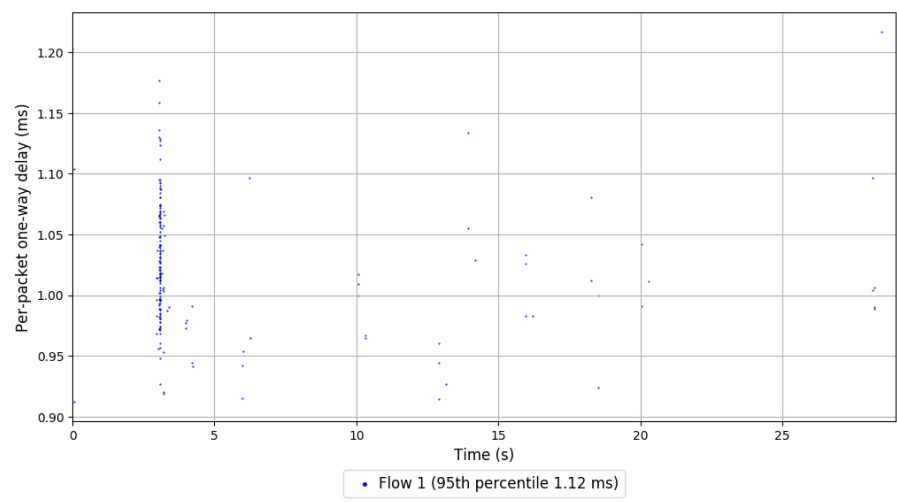
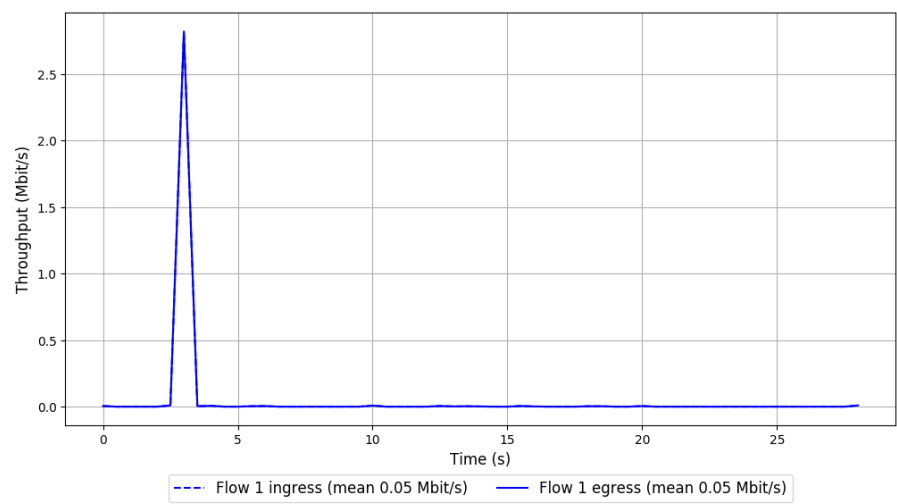


Run 1: Statistics of WebRTC media

Start at: 2018-04-17 01:27:03
End at: 2018-04-17 01:27:33
Local clock offset: 0.633 ms
Remote clock offset: -6.308 ms

Below is generated by plot.py at 2018-04-17 10:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.124 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.124 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

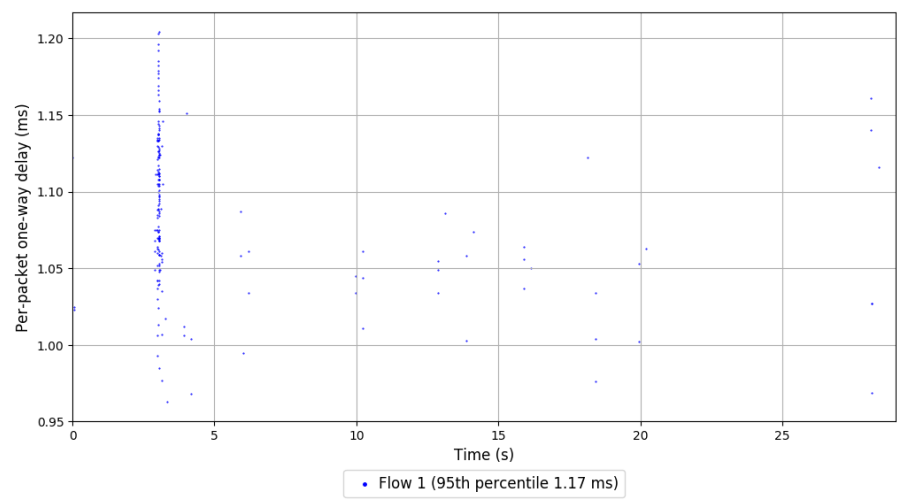
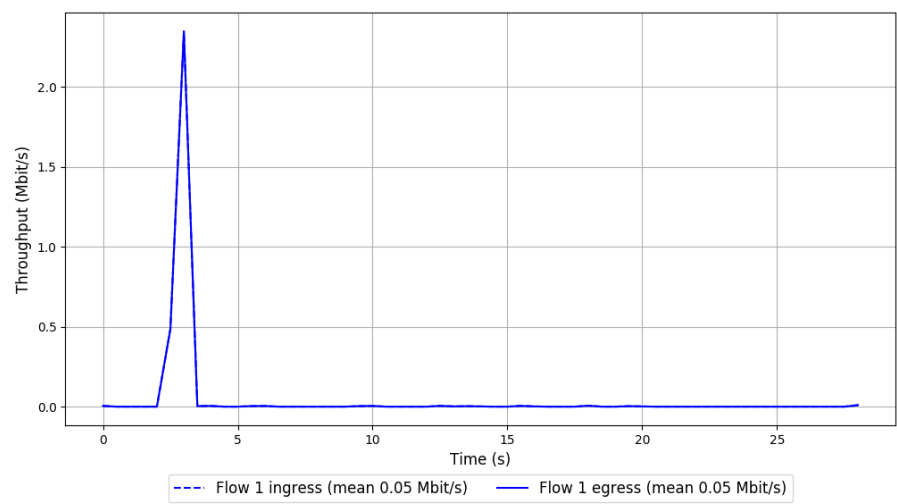


Run 2: Statistics of WebRTC media

Start at: 2018-04-17 01:52:22
End at: 2018-04-17 01:52:52
Local clock offset: -0.002 ms
Remote clock offset: -6.021 ms

Below is generated by plot.py at 2018-04-17 10:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.169 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.169 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

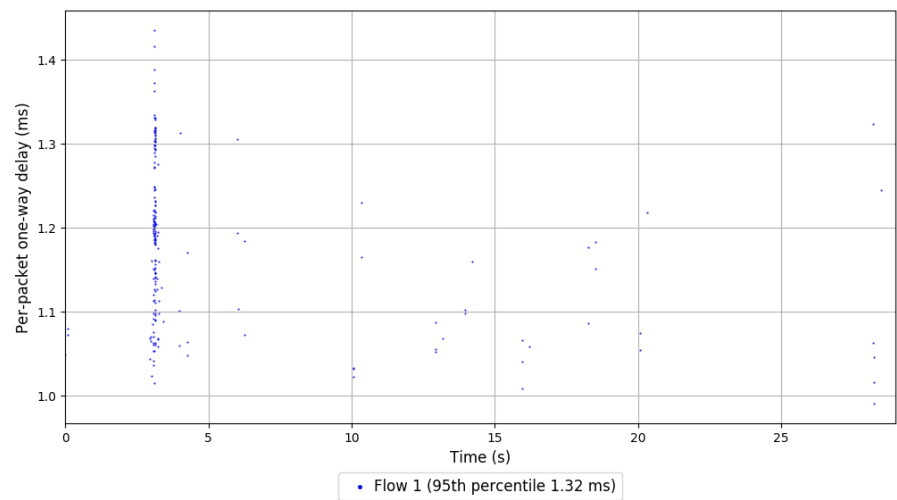
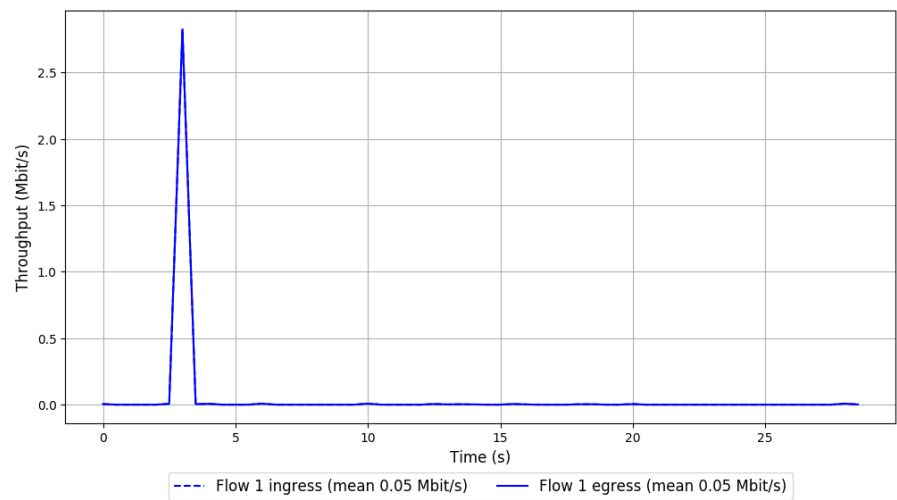


Run 3: Statistics of WebRTC media

Start at: 2018-04-17 02:17:42
End at: 2018-04-17 02:18:12
Local clock offset: 0.264 ms
Remote clock offset: -5.268 ms

Below is generated by plot.py at 2018-04-17 10:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.323 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.323 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

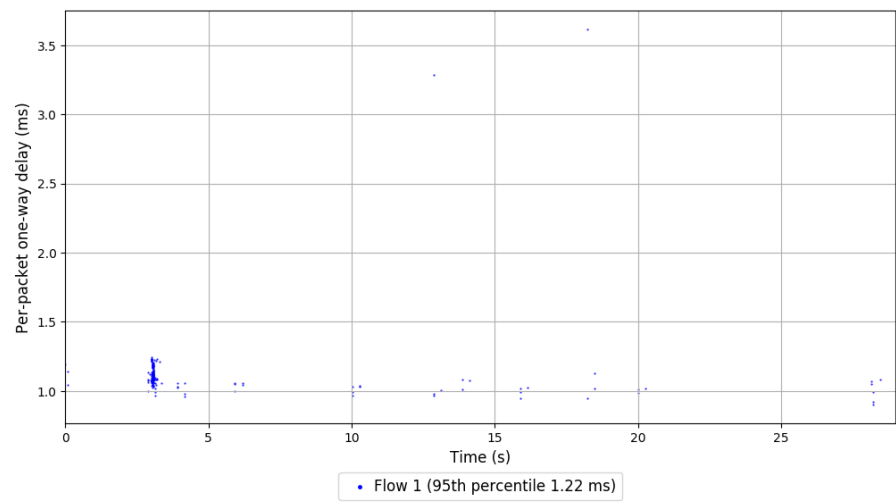
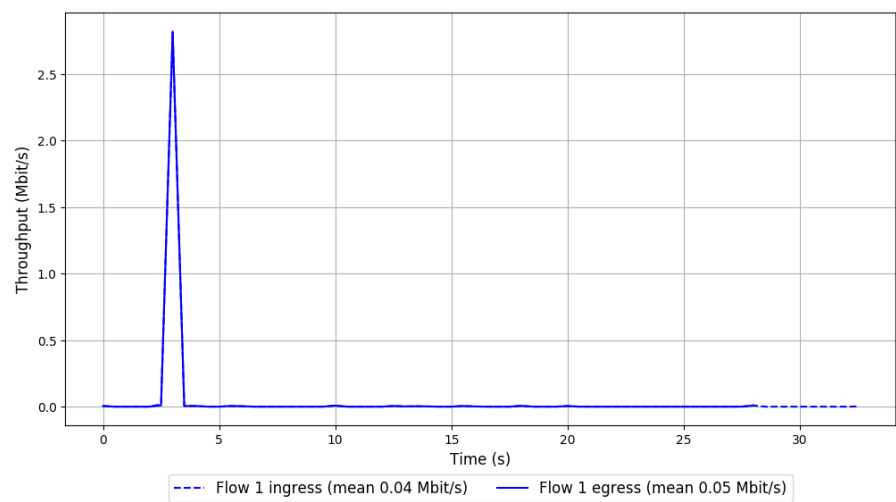


Run 4: Statistics of WebRTC media

Start at: 2018-04-17 02:42:59
End at: 2018-04-17 02:43:29
Local clock offset: 0.366 ms
Remote clock offset: -4.924 ms

Below is generated by plot.py at 2018-04-17 10:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.223 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.223 ms
Loss rate: 0.05%

Run 4: Report of WebRTC media — Data Link

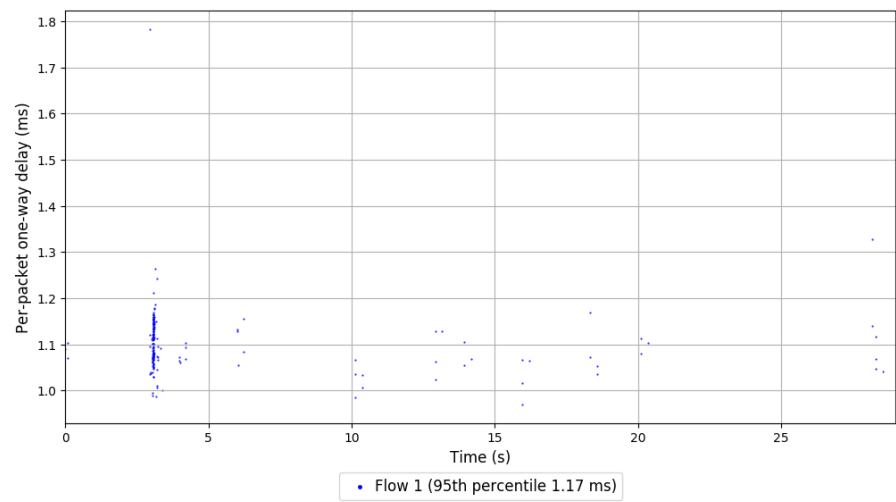
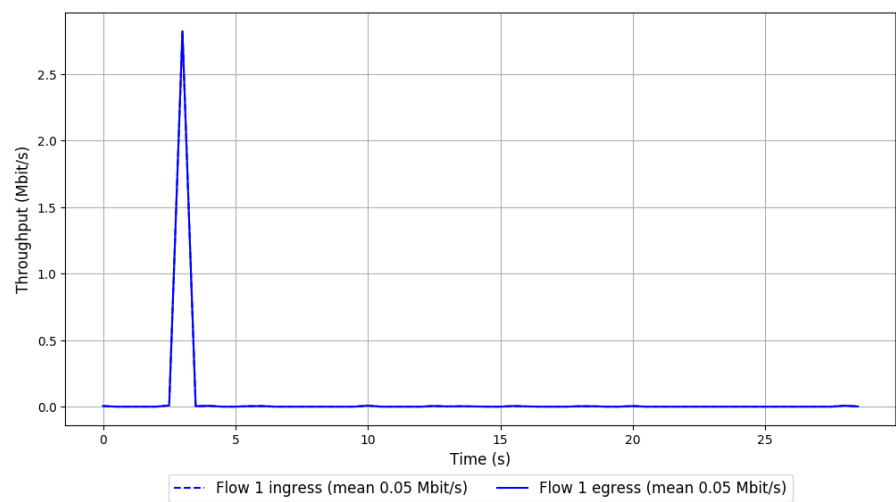


Run 5: Statistics of WebRTC media

Start at: 2018-04-17 03:08:22
End at: 2018-04-17 03:08:52
Local clock offset: 0.363 ms
Remote clock offset: -6.293 ms

Below is generated by plot.py at 2018-04-17 10:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.170 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.170 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

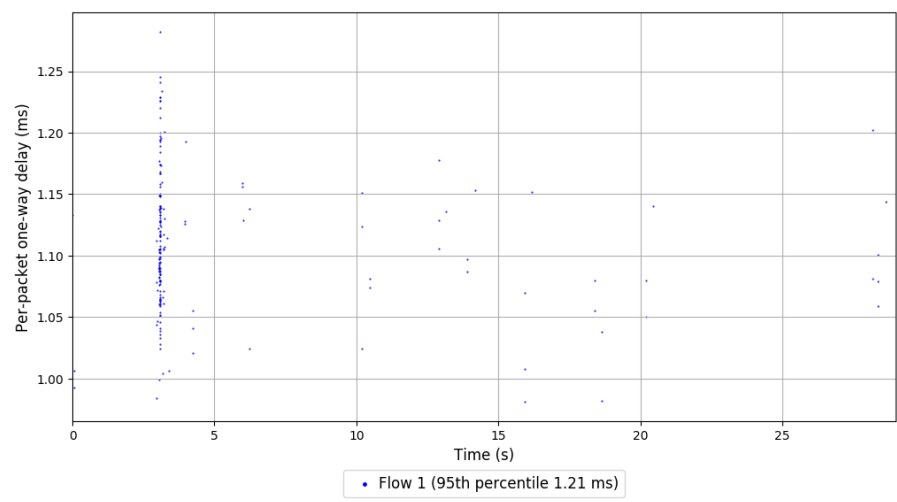
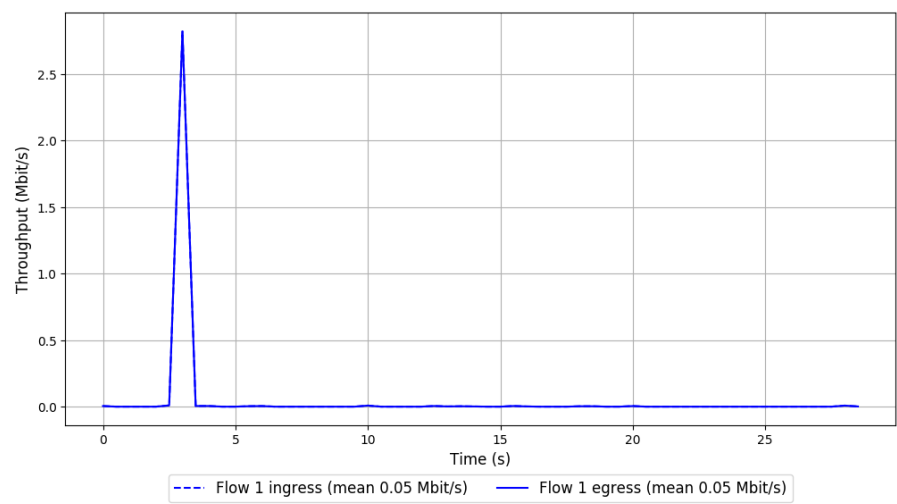


Run 6: Statistics of WebRTC media

Start at: 2018-04-17 03:33:49
End at: 2018-04-17 03:34:19
Local clock offset: 0.054 ms
Remote clock offset: -6.265 ms

Below is generated by plot.py at 2018-04-17 10:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.212 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.212 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

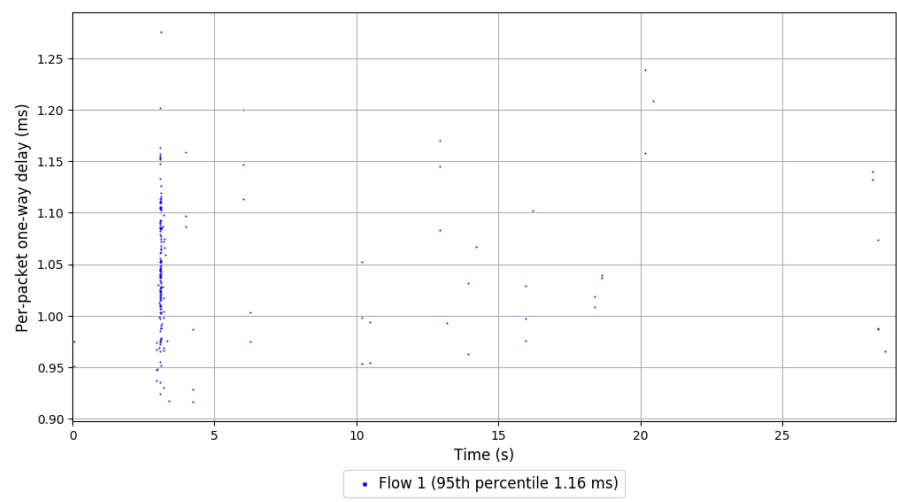
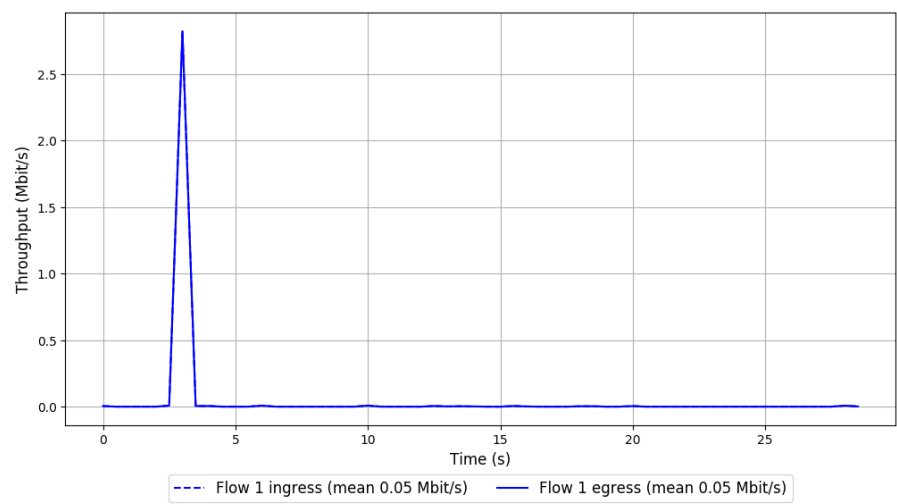


Run 7: Statistics of WebRTC media

Start at: 2018-04-17 03:59:07
End at: 2018-04-17 03:59:37
Local clock offset: 0.464 ms
Remote clock offset: -5.365 ms

Below is generated by plot.py at 2018-04-17 10:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.157 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.157 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

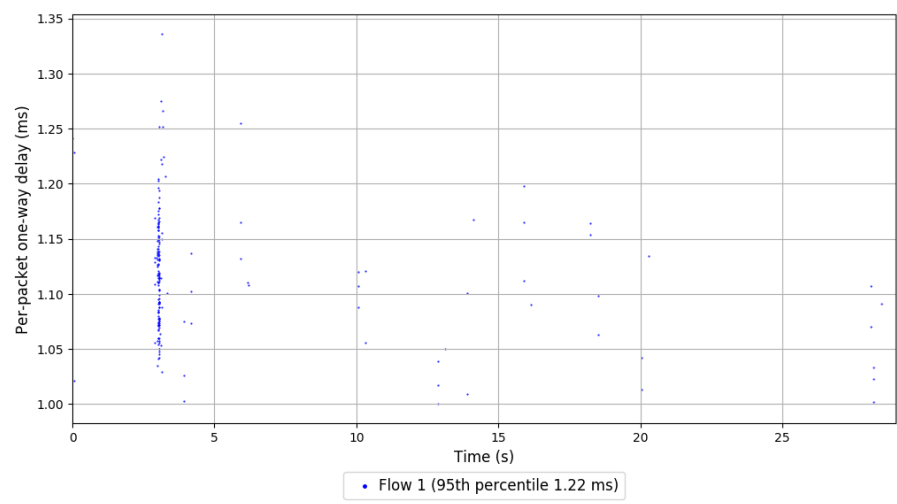
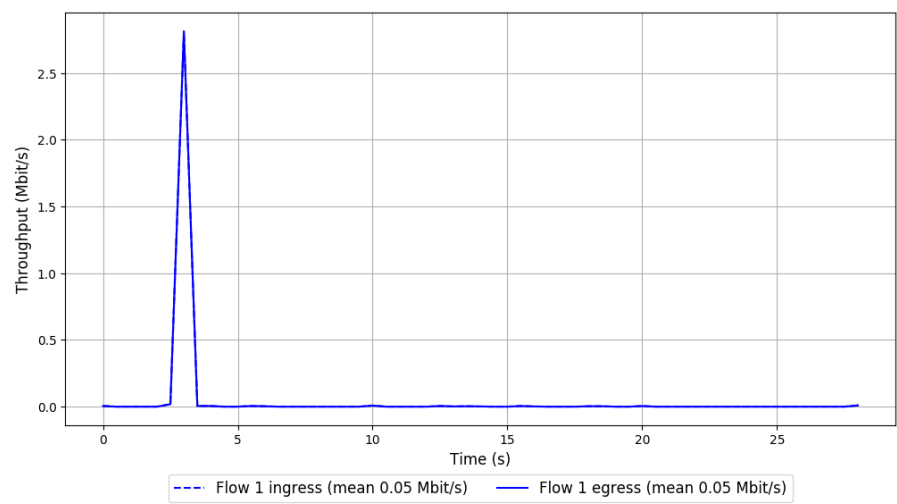


Run 8: Statistics of WebRTC media

Start at: 2018-04-17 04:24:28
End at: 2018-04-17 04:24:58
Local clock offset: 0.48 ms
Remote clock offset: -4.737 ms

Below is generated by plot.py at 2018-04-17 10:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.222 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.222 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

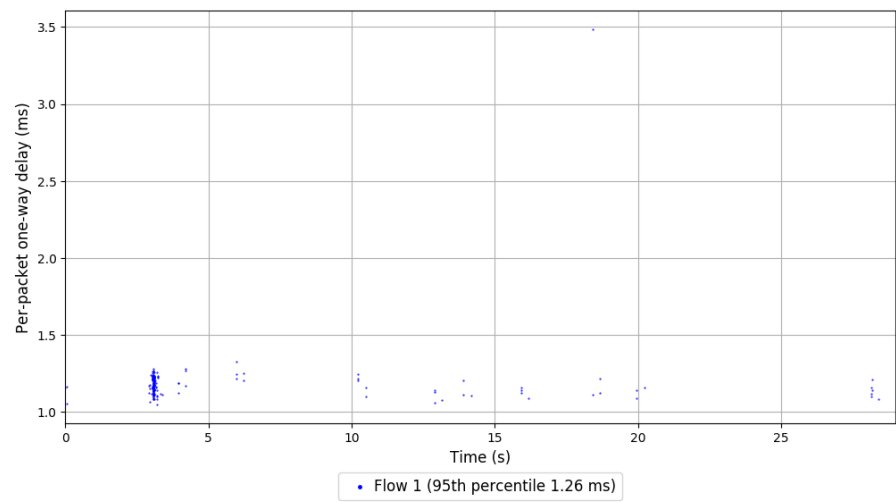
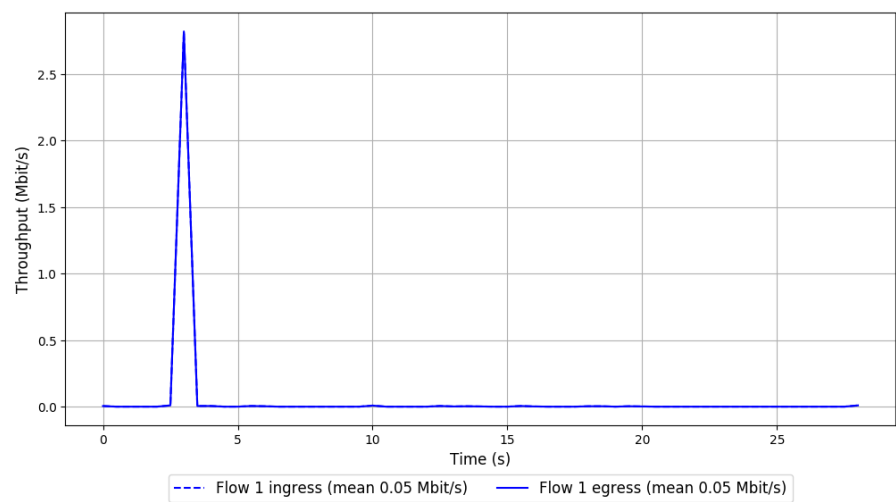


Run 9: Statistics of WebRTC media

Start at: 2018-04-17 04:49:51
End at: 2018-04-17 04:50:21
Local clock offset: 0.431 ms
Remote clock offset: -4.892 ms

Below is generated by plot.py at 2018-04-17 10:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.259 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.259 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-04-17 05:15:04

End at: 2018-04-17 05:15:34

Local clock offset: -0.044 ms

Remote clock offset: -6.25 ms

Below is generated by plot.py at 2018-04-17 10:49:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.308 ms

Loss rate: 0.00%

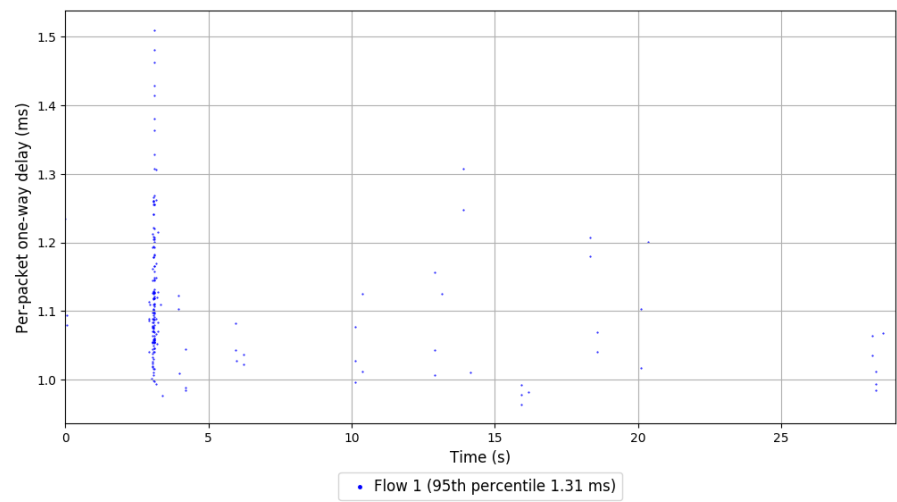
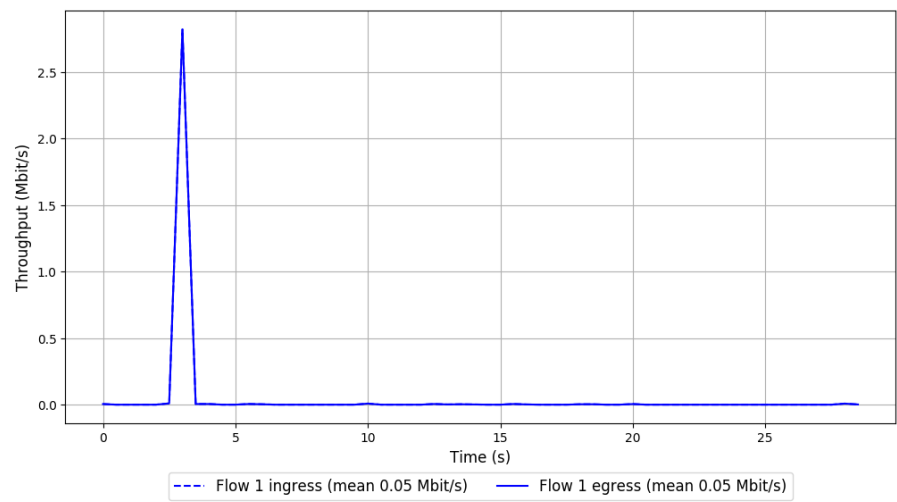
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.308 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

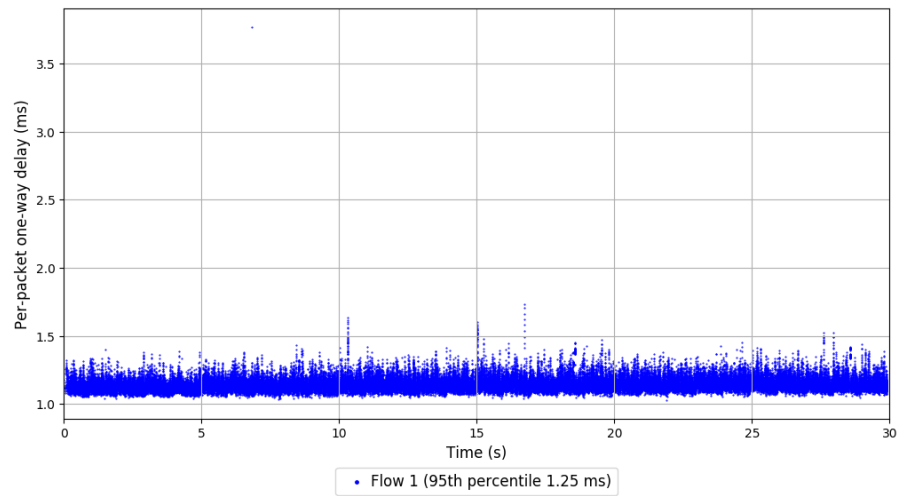
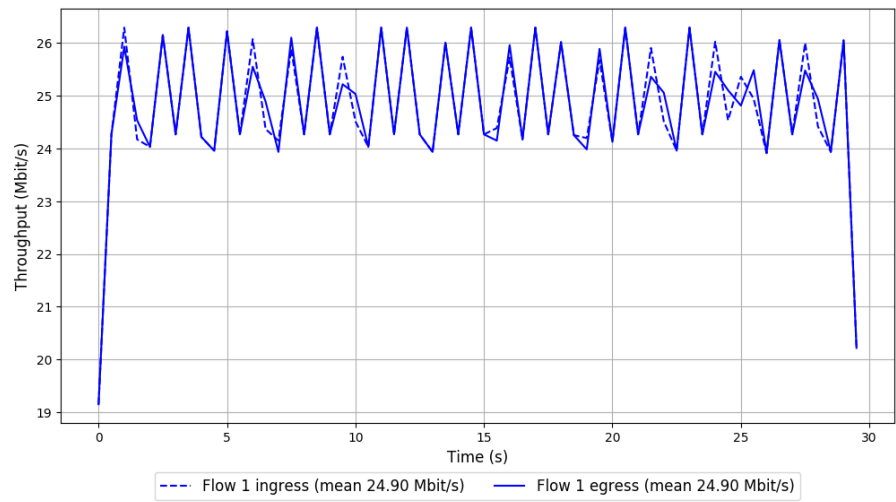


Run 1: Statistics of Sprout

Start at: 2018-04-17 01:28:21
End at: 2018-04-17 01:28:51
Local clock offset: 0.573 ms
Remote clock offset: -6.421 ms

Below is generated by plot.py at 2018-04-17 10:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.90 Mbit/s
95th percentile per-packet one-way delay: 1.246 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.90 Mbit/s
95th percentile per-packet one-way delay: 1.246 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

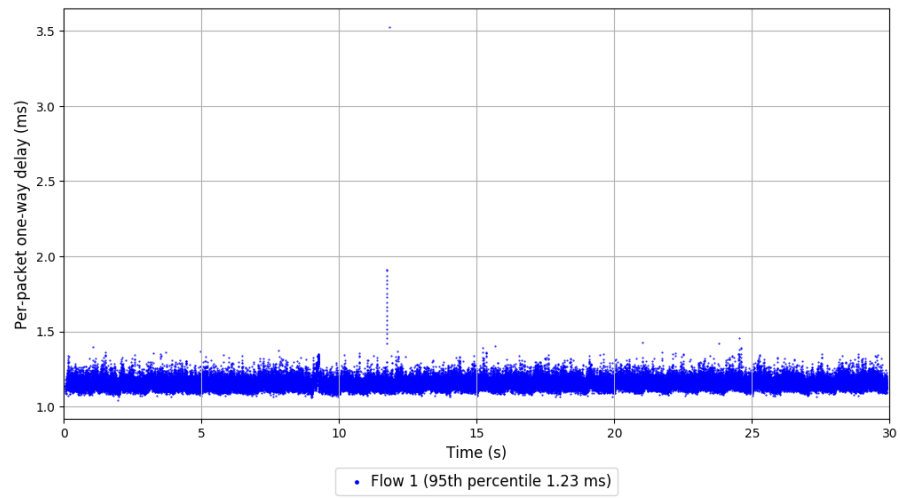
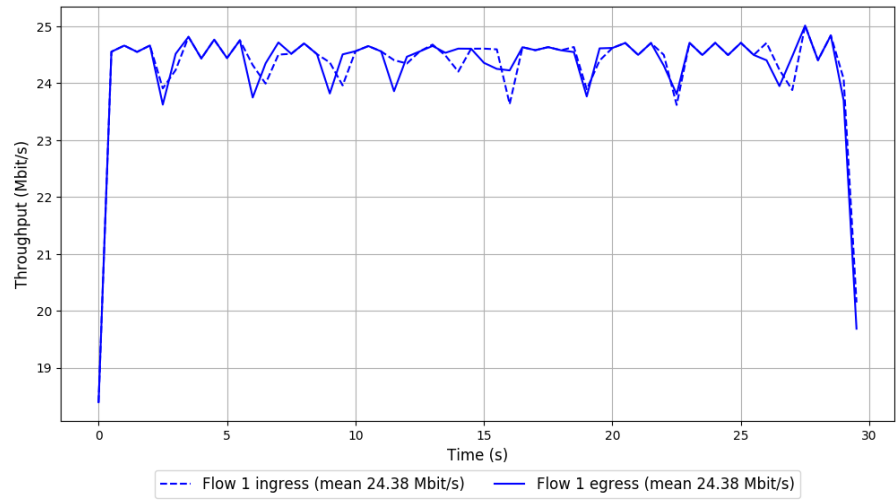


Run 2: Statistics of Sprout

Start at: 2018-04-17 01:53:40
End at: 2018-04-17 01:54:10
Local clock offset: 0.084 ms
Remote clock offset: -6.007 ms

Below is generated by plot.py at 2018-04-17 10:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 1.229 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 1.229 ms
Loss rate: 0.06%

Run 2: Report of Sprout — Data Link

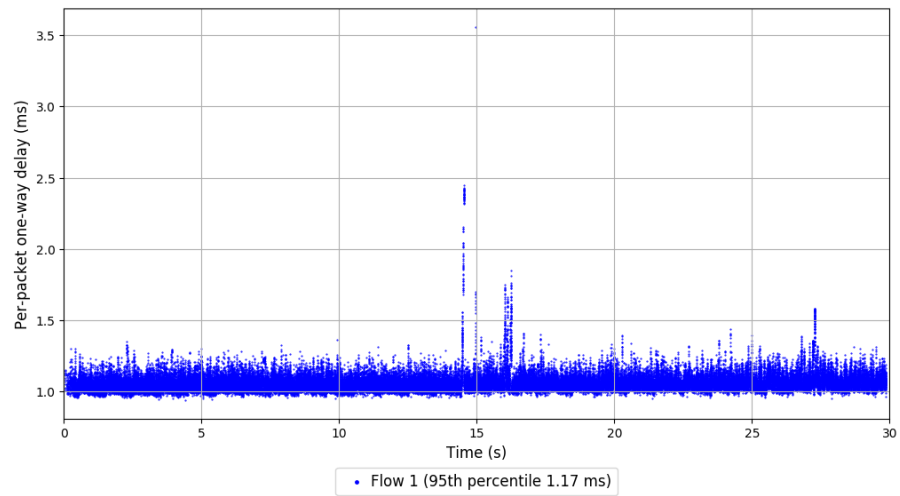
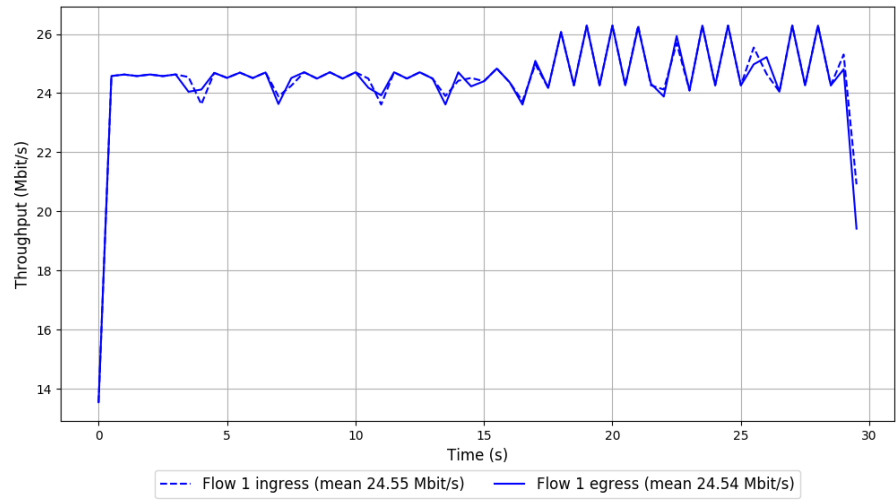


Run 3: Statistics of Sprout

Start at: 2018-04-17 02:18:52
End at: 2018-04-17 02:19:22
Local clock offset: 0.276 ms
Remote clock offset: -5.173 ms

Below is generated by plot.py at 2018-04-17 10:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.54 Mbit/s
95th percentile per-packet one-way delay: 1.169 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 24.54 Mbit/s
95th percentile per-packet one-way delay: 1.169 ms
Loss rate: 0.16%

Run 3: Report of Sprout — Data Link

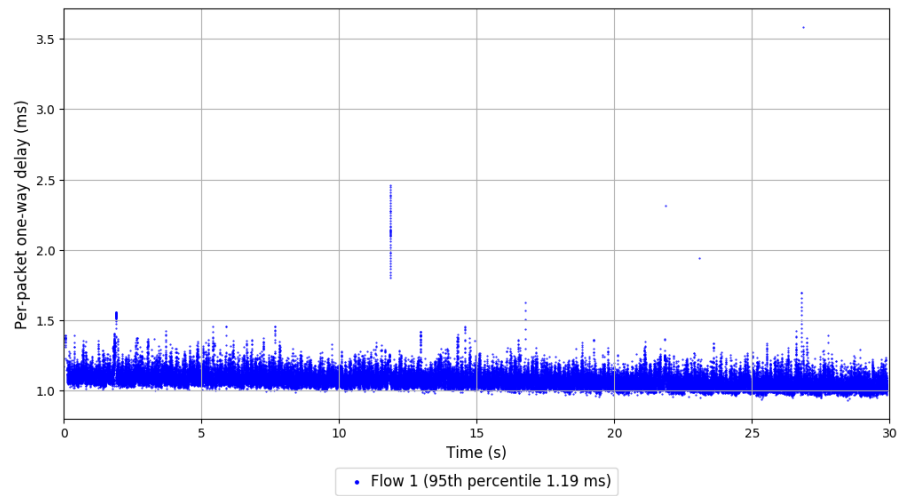
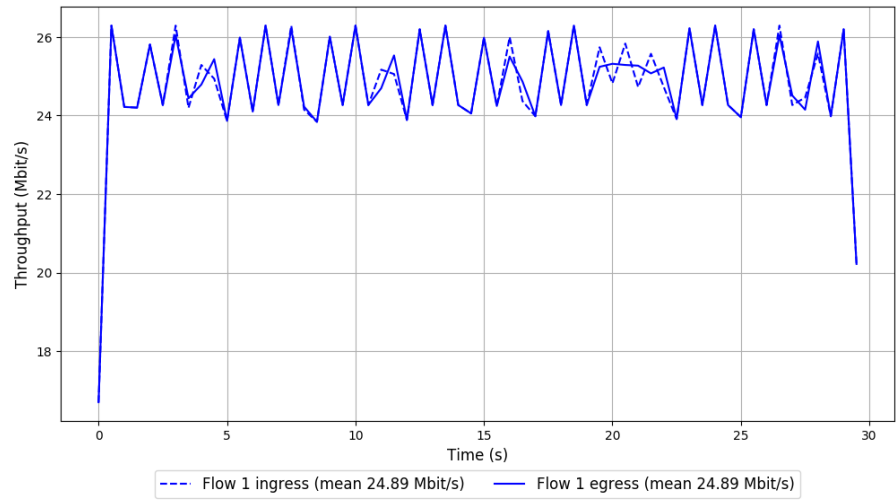


Run 4: Statistics of Sprout

Start at: 2018-04-17 02:44:17
End at: 2018-04-17 02:44:47
Local clock offset: 0.369 ms
Remote clock offset: -5.106 ms

Below is generated by plot.py at 2018-04-17 10:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 1.185 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 1.185 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

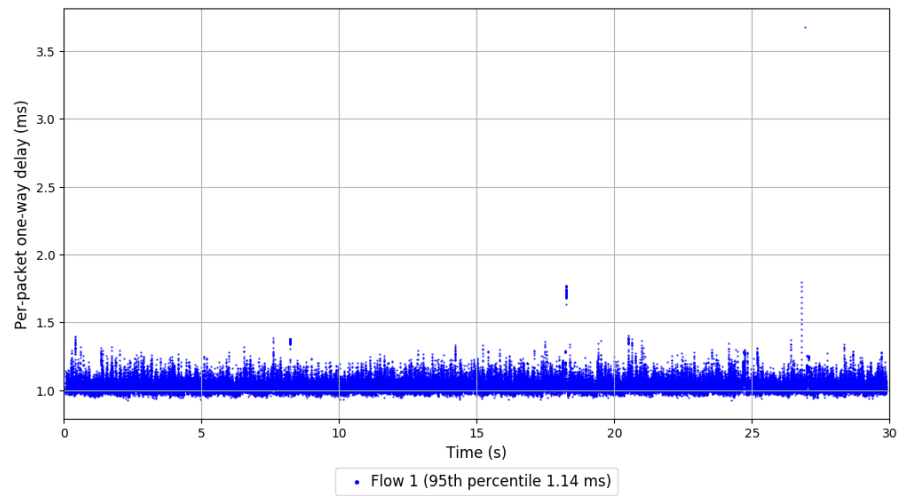
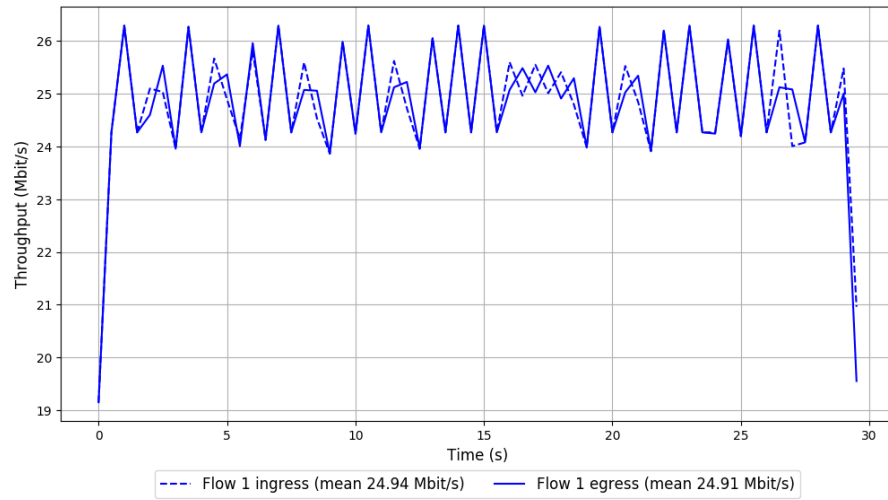


Run 5: Statistics of Sprout

Start at: 2018-04-17 03:09:40
End at: 2018-04-17 03:10:10
Local clock offset: 0.238 ms
Remote clock offset: -6.365 ms

Below is generated by plot.py at 2018-04-17 10:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.91 Mbit/s
95th percentile per-packet one-way delay: 1.141 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 24.91 Mbit/s
95th percentile per-packet one-way delay: 1.141 ms
Loss rate: 0.13%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-04-17 03:35:07

End at: 2018-04-17 03:35:37

Local clock offset: 0.056 ms

Remote clock offset: -6.143 ms

Below is generated by plot.py at 2018-04-17 10:49:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.89 Mbit/s

95th percentile per-packet one-way delay: 1.136 ms

Loss rate: 0.00%

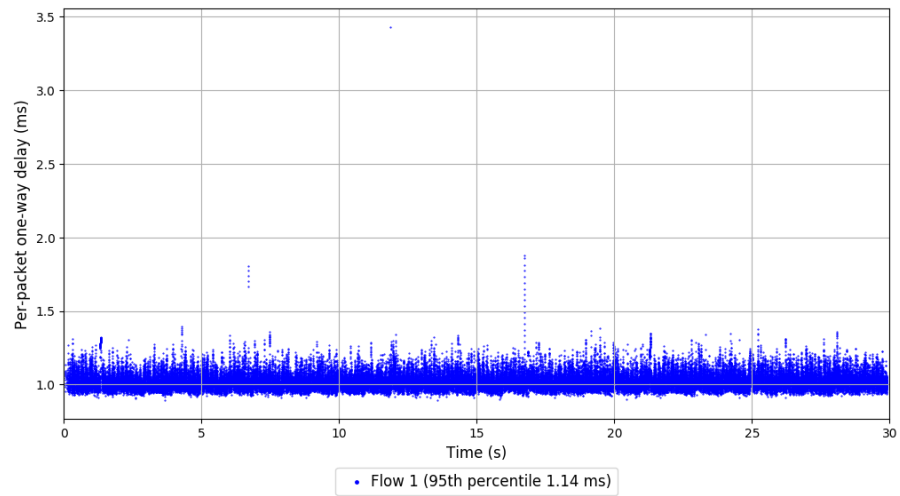
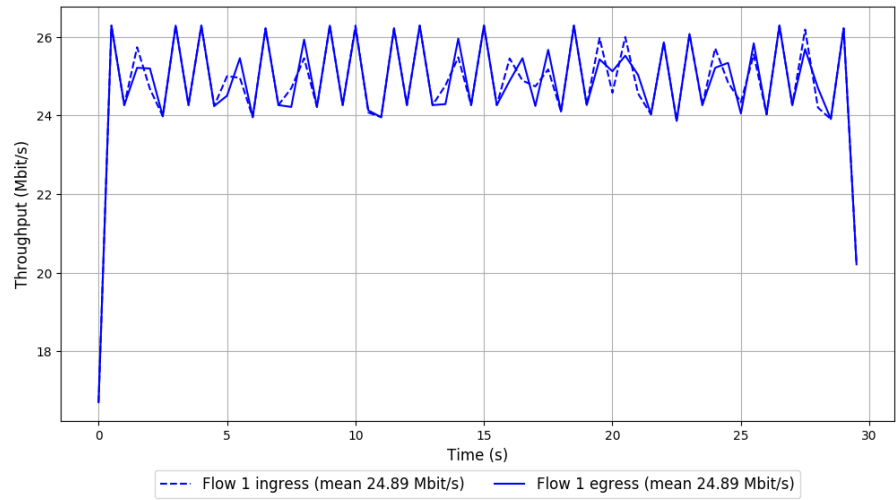
-- Flow 1:

Average throughput: 24.89 Mbit/s

95th percentile per-packet one-way delay: 1.136 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

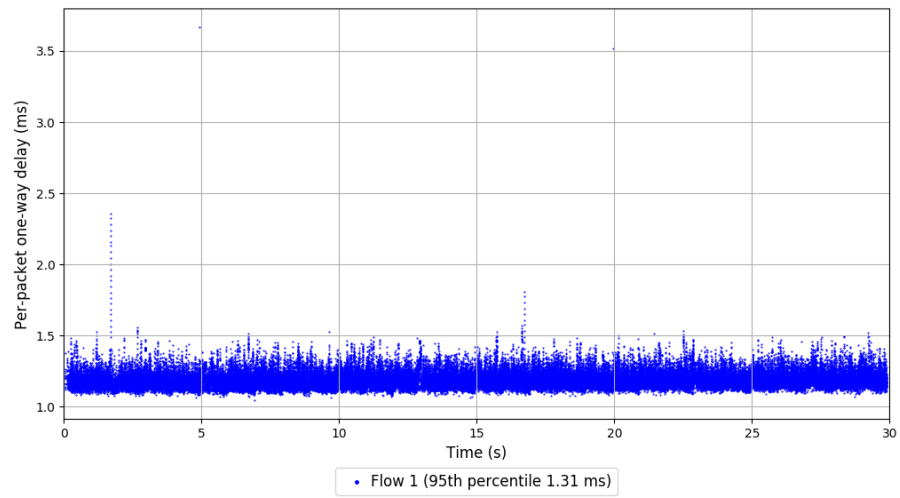
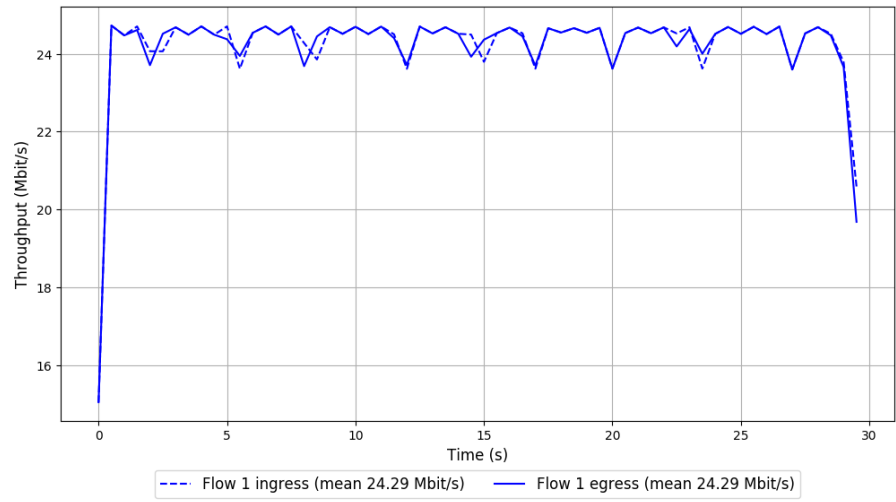


Run 7: Statistics of Sprout

Start at: 2018-04-17 04:00:25
End at: 2018-04-17 04:00:55
Local clock offset: 0.494 ms
Remote clock offset: -5.397 ms

Below is generated by plot.py at 2018-04-17 10:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.29 Mbit/s
95th percentile per-packet one-way delay: 1.313 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.29 Mbit/s
95th percentile per-packet one-way delay: 1.313 ms
Loss rate: 0.07%

Run 7: Report of Sprout — Data Link

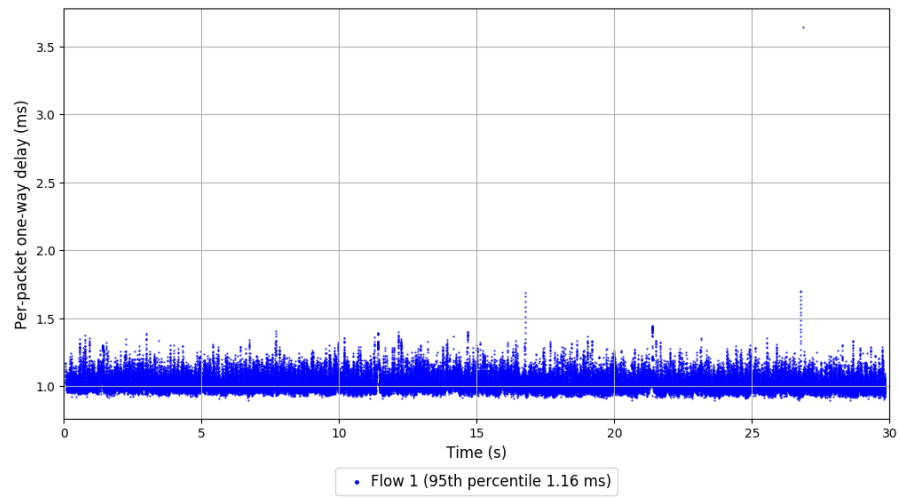
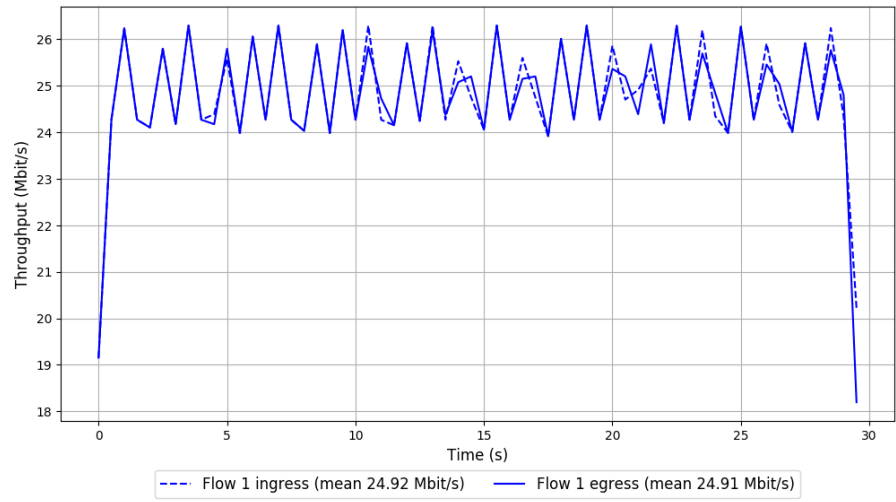


Run 8: Statistics of Sprout

Start at: 2018-04-17 04:25:46
End at: 2018-04-17 04:26:16
Local clock offset: 0.482 ms
Remote clock offset: -4.687 ms

Below is generated by plot.py at 2018-04-17 10:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.91 Mbit/s
95th percentile per-packet one-way delay: 1.159 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.91 Mbit/s
95th percentile per-packet one-way delay: 1.159 ms
Loss rate: 0.14%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-04-17 04:51:09

End at: 2018-04-17 04:51:39

Local clock offset: 0.4 ms

Remote clock offset: -4.83 ms

Below is generated by plot.py at 2018-04-17 10:49:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.92 Mbit/s

95th percentile per-packet one-way delay: 1.293 ms

Loss rate: 0.13%

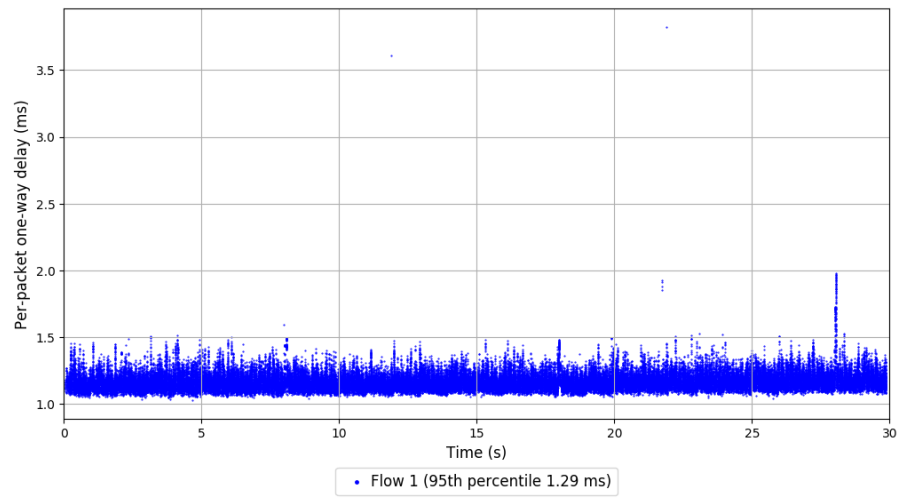
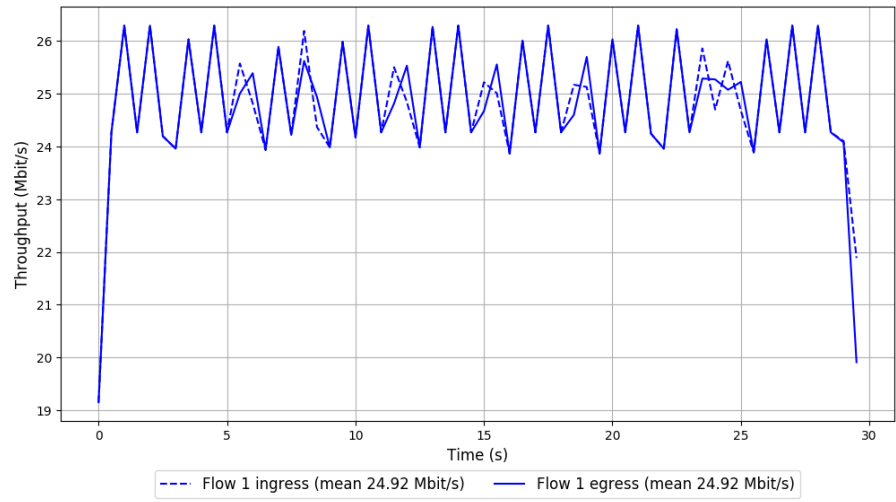
-- Flow 1:

Average throughput: 24.92 Mbit/s

95th percentile per-packet one-way delay: 1.293 ms

Loss rate: 0.13%

Run 9: Report of Sprout — Data Link

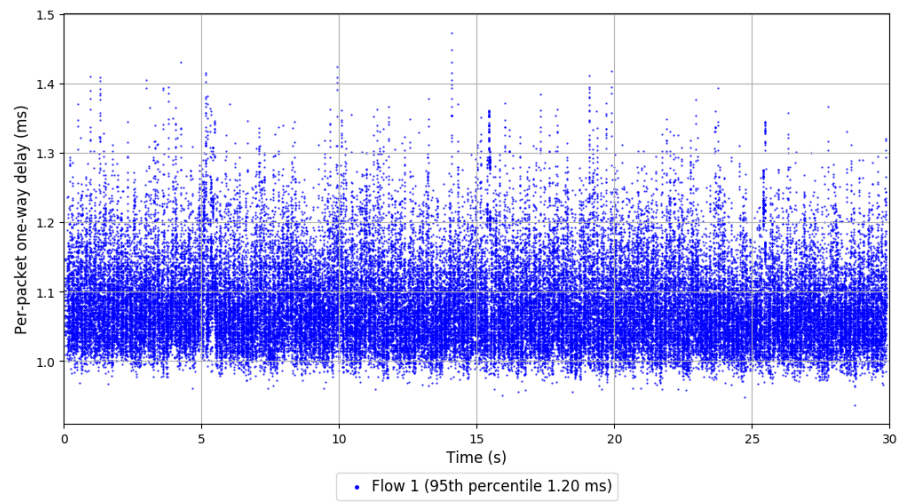
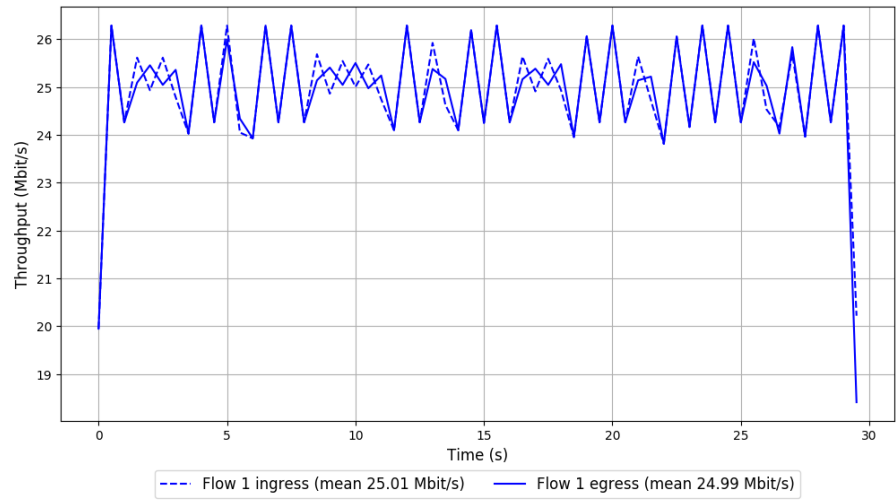


Run 10: Statistics of Sprout

Start at: 2018-04-17 05:16:21
End at: 2018-04-17 05:16:51
Local clock offset: -0.124 ms
Remote clock offset: -6.322 ms

Below is generated by plot.py at 2018-04-17 10:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.99 Mbit/s
95th percentile per-packet one-way delay: 1.204 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 24.99 Mbit/s
95th percentile per-packet one-way delay: 1.204 ms
Loss rate: 0.12%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-04-17 01:34:16

End at: 2018-04-17 01:34:46

Local clock offset: 0.309 ms

Remote clock offset: -6.405 ms

Below is generated by plot.py at 2018-04-17 10:49:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 236.49 Mbit/s

95th percentile per-packet one-way delay: 1.213 ms

Loss rate: 0.32%

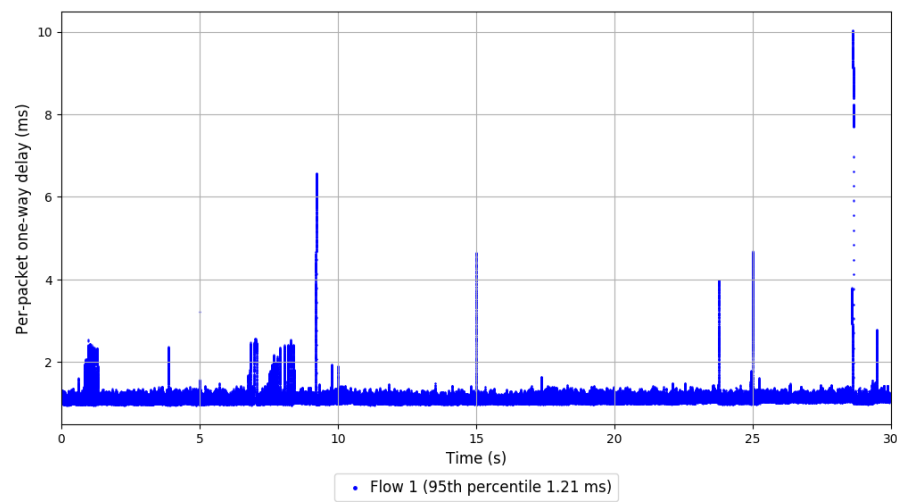
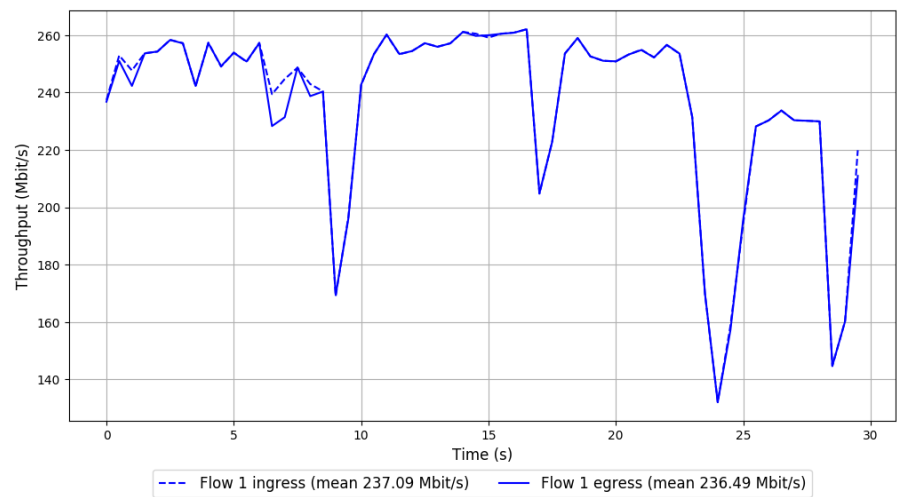
-- Flow 1:

Average throughput: 236.49 Mbit/s

95th percentile per-packet one-way delay: 1.213 ms

Loss rate: 0.32%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-04-17 01:59:32

End at: 2018-04-17 02:00:02

Local clock offset: 0.031 ms

Remote clock offset: -5.906 ms

Below is generated by plot.py at 2018-04-17 10:50:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 266.95 Mbit/s

95th percentile per-packet one-way delay: 1.104 ms

Loss rate: 0.07%

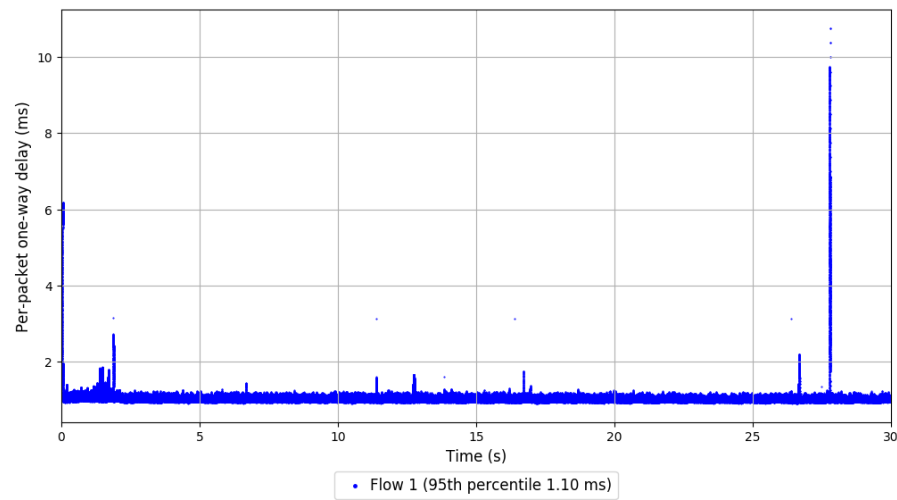
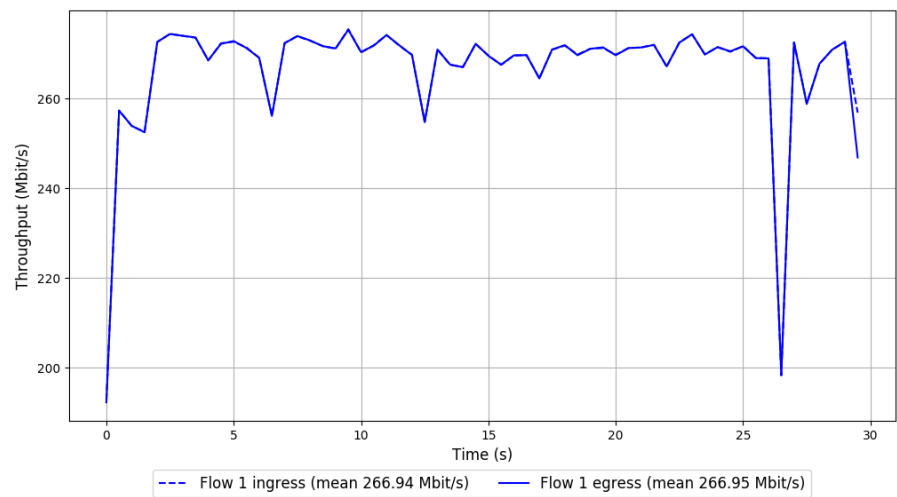
-- Flow 1:

Average throughput: 266.95 Mbit/s

95th percentile per-packet one-way delay: 1.104 ms

Loss rate: 0.07%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-04-17 02:24:49

End at: 2018-04-17 02:25:19

Local clock offset: 0.299 ms

Remote clock offset: -5.063 ms

Below is generated by plot.py at 2018-04-17 10:50:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 253.02 Mbit/s

95th percentile per-packet one-way delay: 1.272 ms

Loss rate: 0.10%

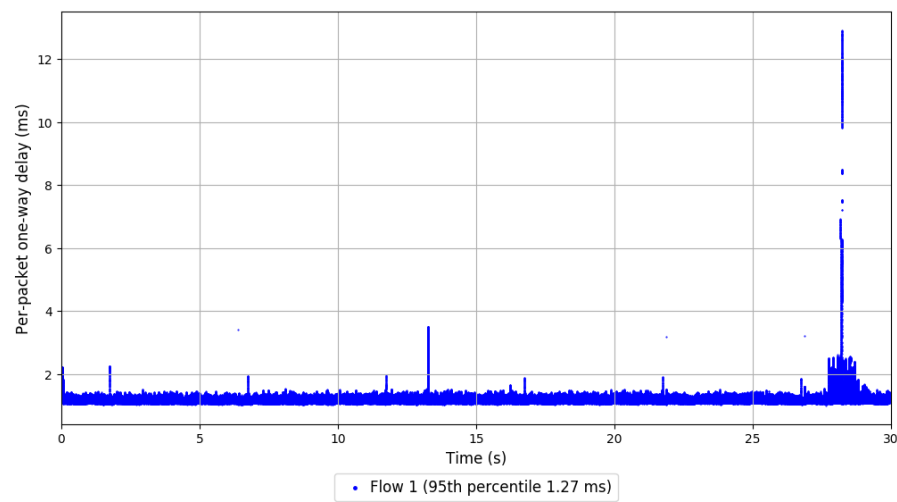
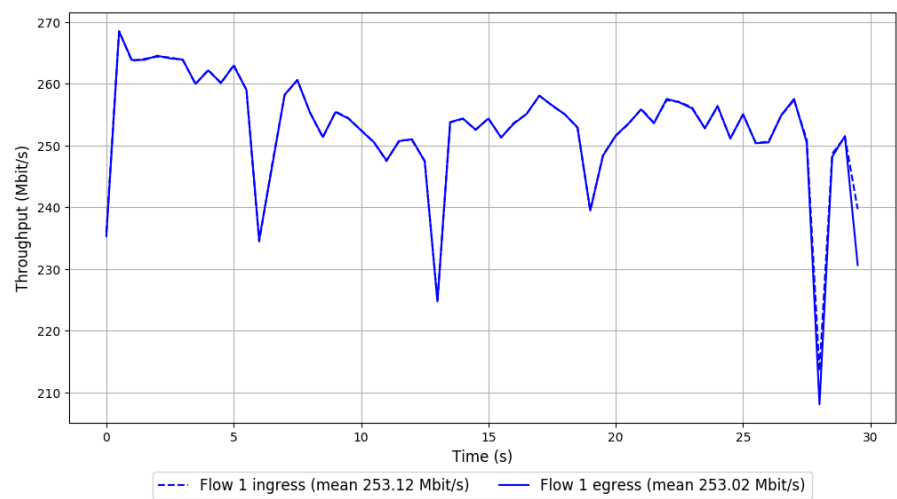
-- Flow 1:

Average throughput: 253.02 Mbit/s

95th percentile per-packet one-way delay: 1.272 ms

Loss rate: 0.10%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-04-17 02:50:13

End at: 2018-04-17 02:50:43

Local clock offset: 0.396 ms

Remote clock offset: -5.768 ms

Below is generated by plot.py at 2018-04-17 10:50:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 264.83 Mbit/s

95th percentile per-packet one-way delay: 1.189 ms

Loss rate: 0.04%

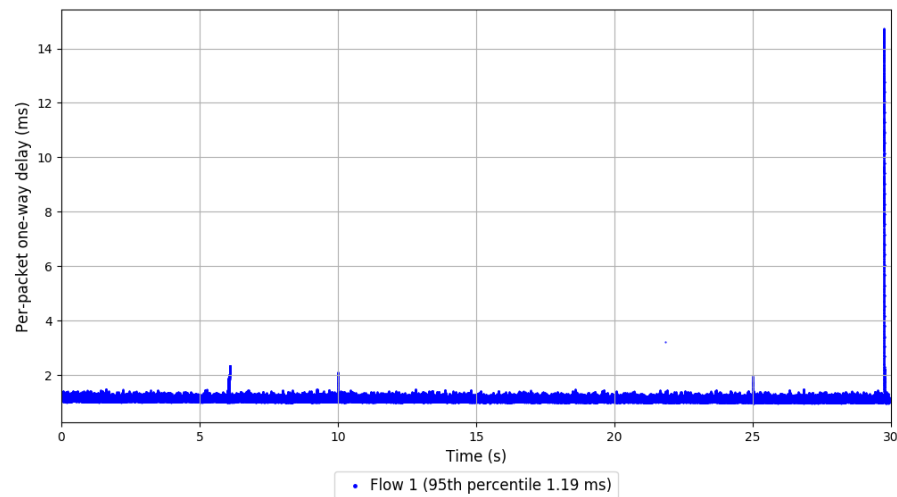
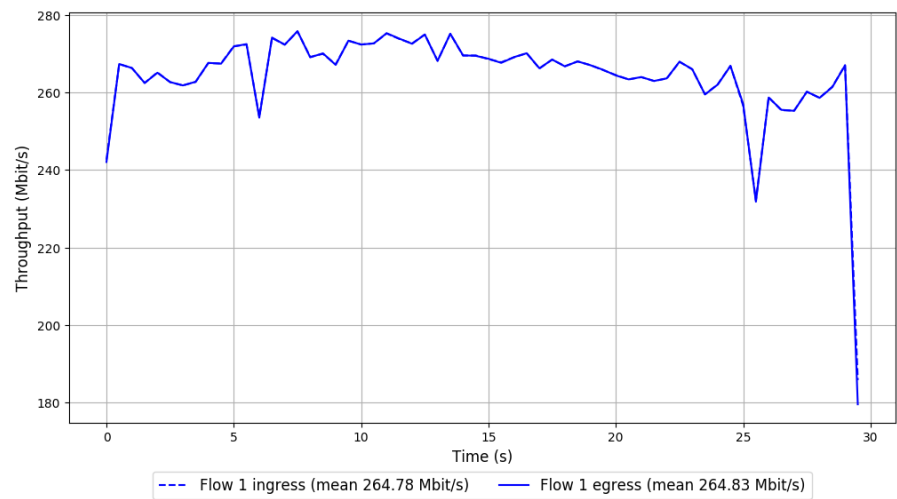
-- Flow 1:

Average throughput: 264.83 Mbit/s

95th percentile per-packet one-way delay: 1.189 ms

Loss rate: 0.04%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-04-17 03:15:39

End at: 2018-04-17 03:16:09

Local clock offset: 0.22 ms

Remote clock offset: -6.459 ms

Below is generated by plot.py at 2018-04-17 10:50:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 255.20 Mbit/s

95th percentile per-packet one-way delay: 1.269 ms

Loss rate: 0.03%

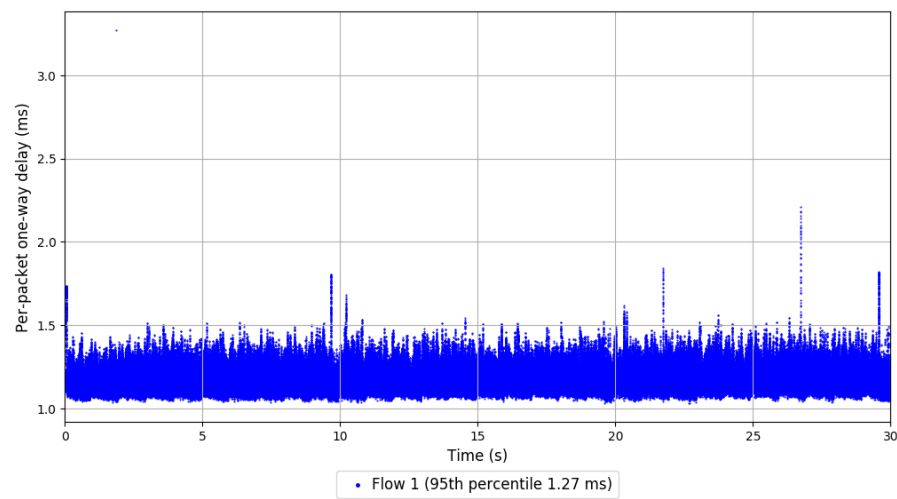
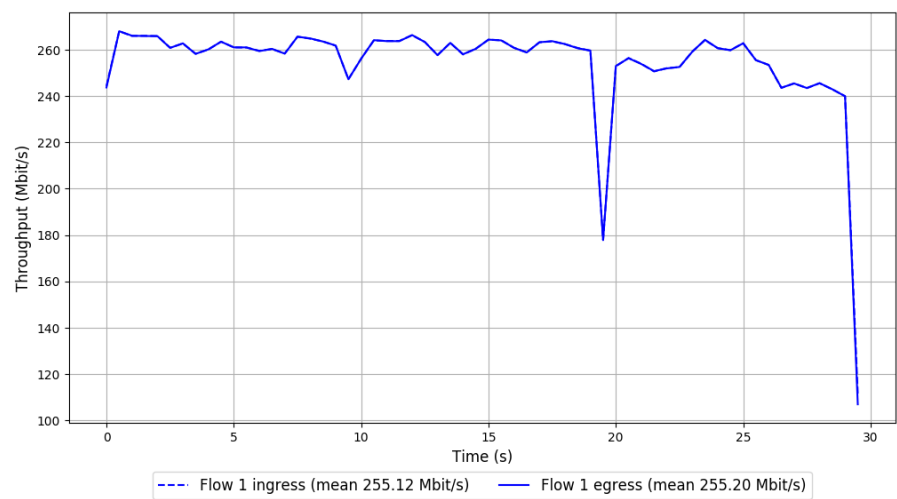
-- Flow 1:

Average throughput: 255.20 Mbit/s

95th percentile per-packet one-way delay: 1.269 ms

Loss rate: 0.03%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-04-17 03:41:04

End at: 2018-04-17 03:41:34

Local clock offset: 0.015 ms

Remote clock offset: -6.237 ms

Below is generated by plot.py at 2018-04-17 10:50:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 261.18 Mbit/s

95th percentile per-packet one-way delay: 1.206 ms

Loss rate: 0.07%

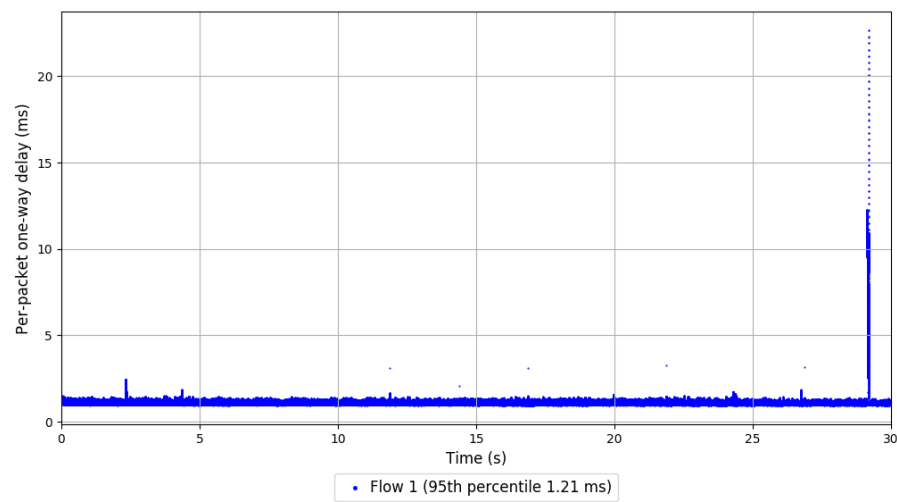
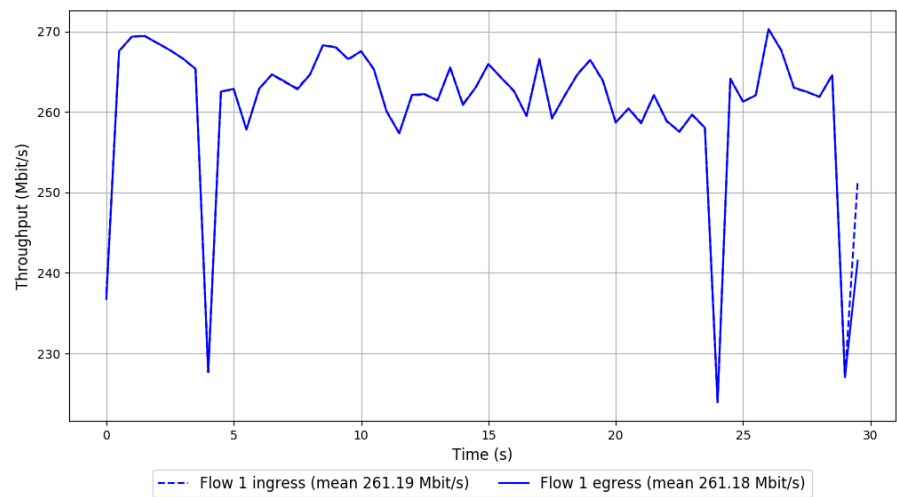
-- Flow 1:

Average throughput: 261.18 Mbit/s

95th percentile per-packet one-way delay: 1.206 ms

Loss rate: 0.07%

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

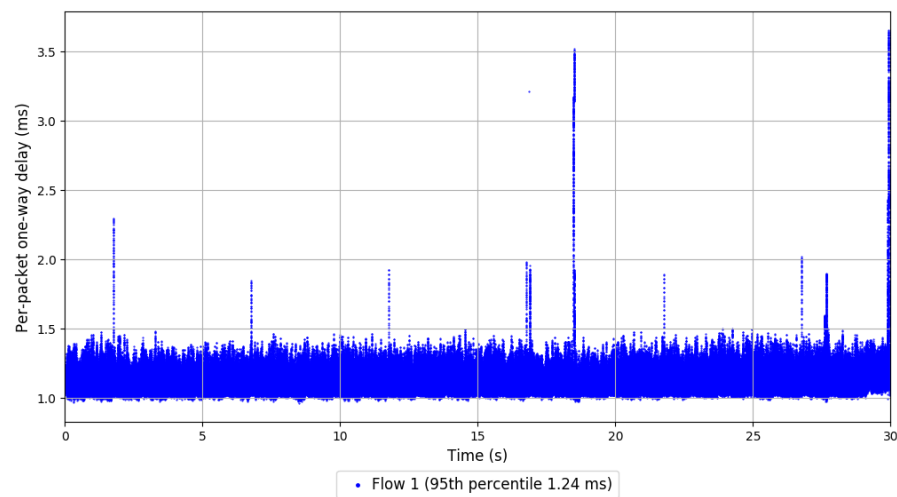
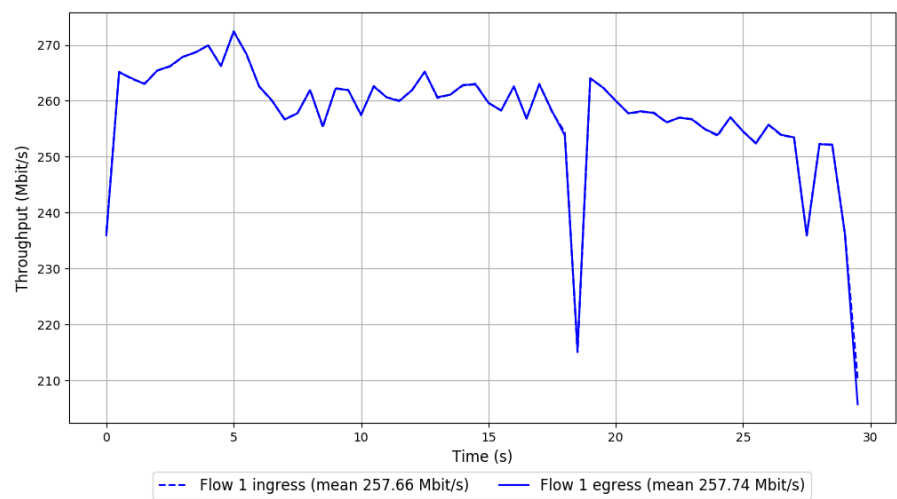


Run 7: Statistics of TaoVA-100x

Start at: 2018-04-17 04:06:19
End at: 2018-04-17 04:06:49
Local clock offset: 0.52 ms
Remote clock offset: -5.174 ms

Below is generated by plot.py at 2018-04-17 10:53:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 257.74 Mbit/s
95th percentile per-packet one-way delay: 1.241 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 257.74 Mbit/s
95th percentile per-packet one-way delay: 1.241 ms
Loss rate: 0.03%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-04-17 04:31:44

End at: 2018-04-17 04:32:14

Local clock offset: 0.452 ms

Remote clock offset: -4.877 ms

Below is generated by plot.py at 2018-04-17 10:56:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 253.28 Mbit/s

95th percentile per-packet one-way delay: 1.175 ms

Loss rate: 0.07%

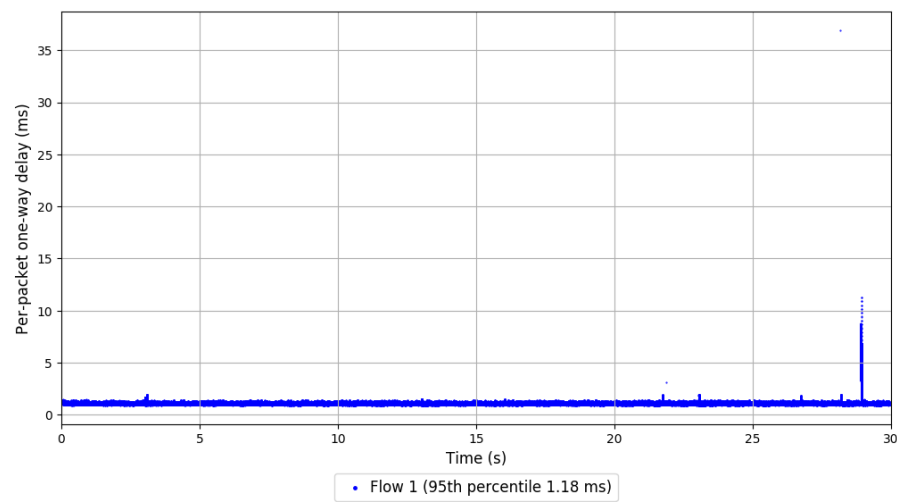
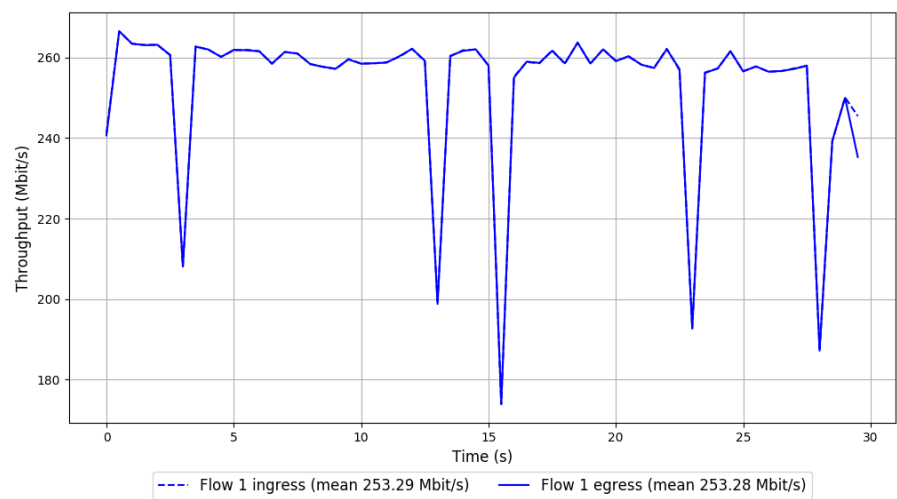
-- Flow 1:

Average throughput: 253.28 Mbit/s

95th percentile per-packet one-way delay: 1.175 ms

Loss rate: 0.07%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-04-17 04:57:01

End at: 2018-04-17 04:57:31

Local clock offset: 0.201 ms

Remote clock offset: -4.763 ms

Below is generated by plot.py at 2018-04-17 10:56:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 256.75 Mbit/s

95th percentile per-packet one-way delay: 1.203 ms

Loss rate: 0.07%

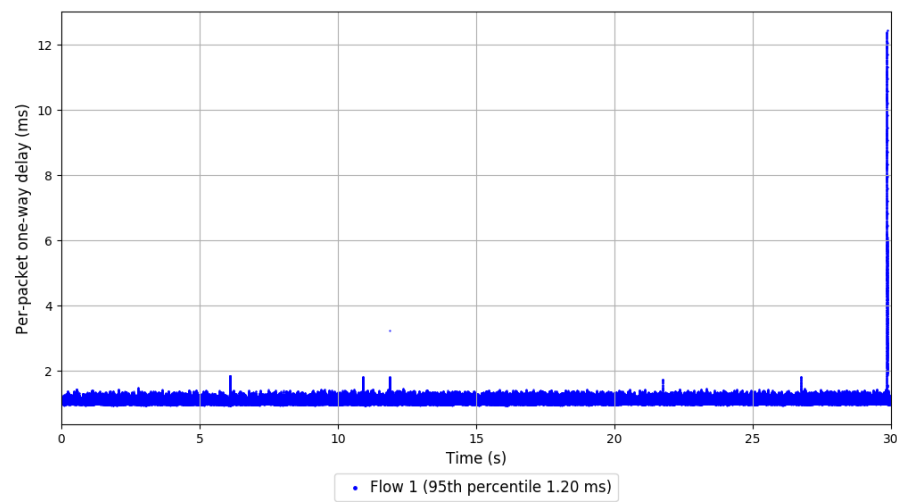
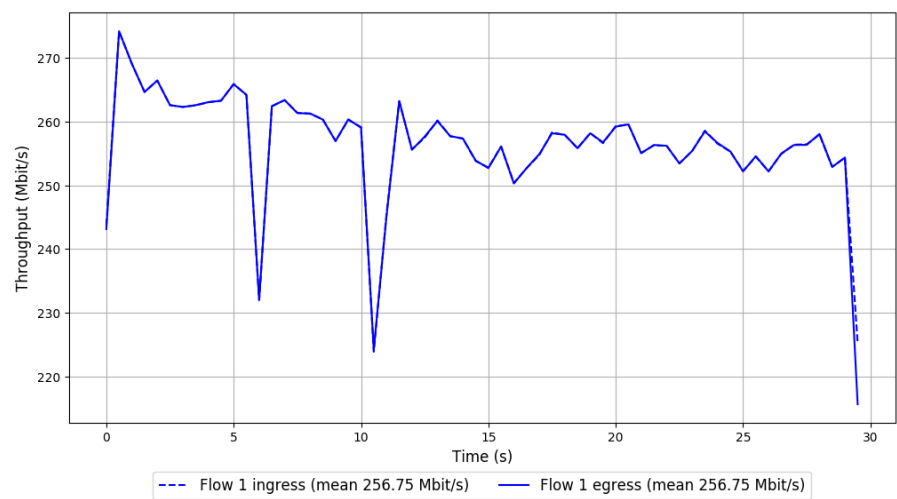
-- Flow 1:

Average throughput: 256.75 Mbit/s

95th percentile per-packet one-way delay: 1.203 ms

Loss rate: 0.07%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-04-17 05:22:10

End at: 2018-04-17 05:22:40

Local clock offset: -0.183 ms

Remote clock offset: -6.351 ms

Below is generated by plot.py at 2018-04-17 10:57:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 259.61 Mbit/s

95th percentile per-packet one-way delay: 1.017 ms

Loss rate: 0.06%

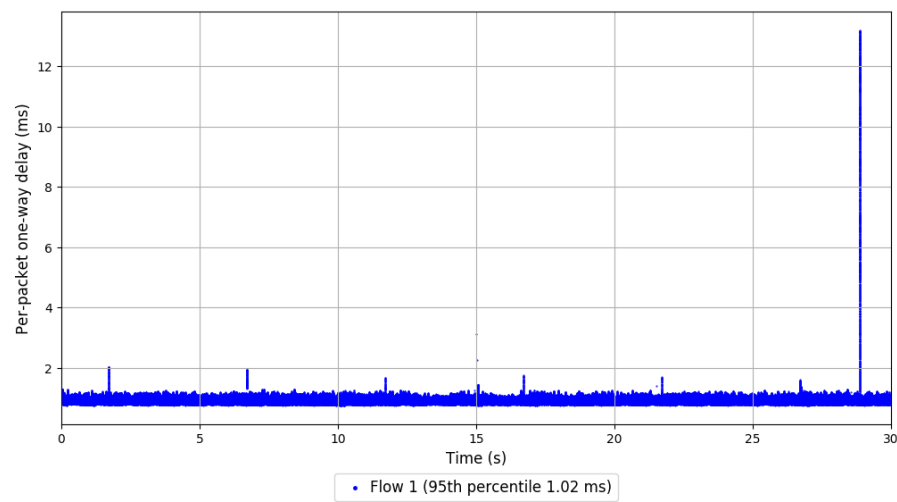
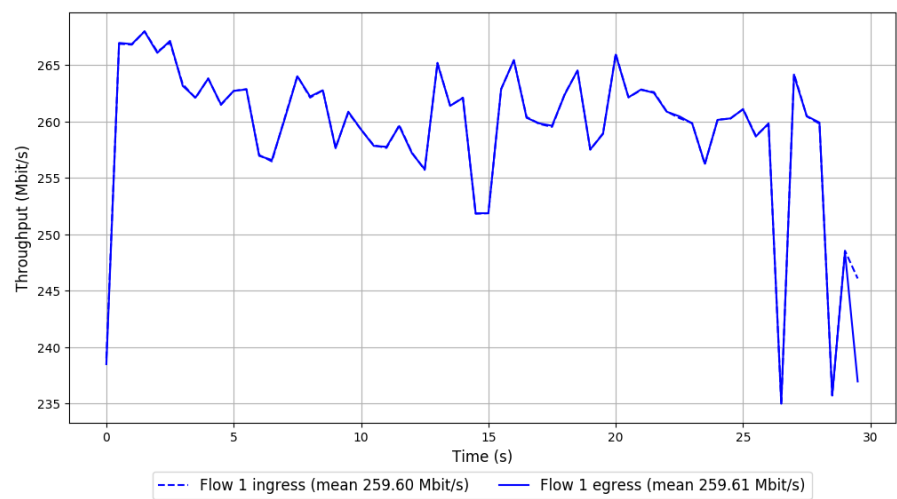
-- Flow 1:

Average throughput: 259.61 Mbit/s

95th percentile per-packet one-way delay: 1.017 ms

Loss rate: 0.06%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-04-17 01:29:40
End at: 2018-04-17 01:30:10
Local clock offset: 0.539 ms
Remote clock offset: -6.441 ms

Below is generated by plot.py at 2018-04-17 10:57:10

Datalink statistics

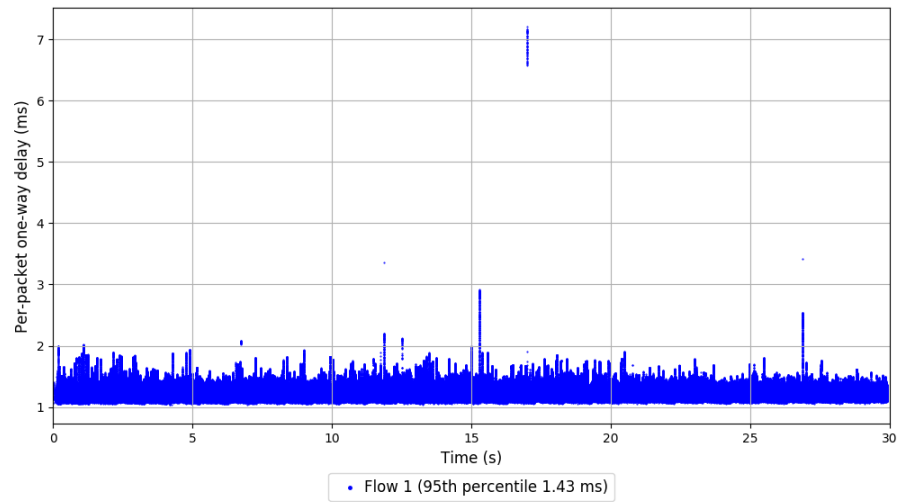
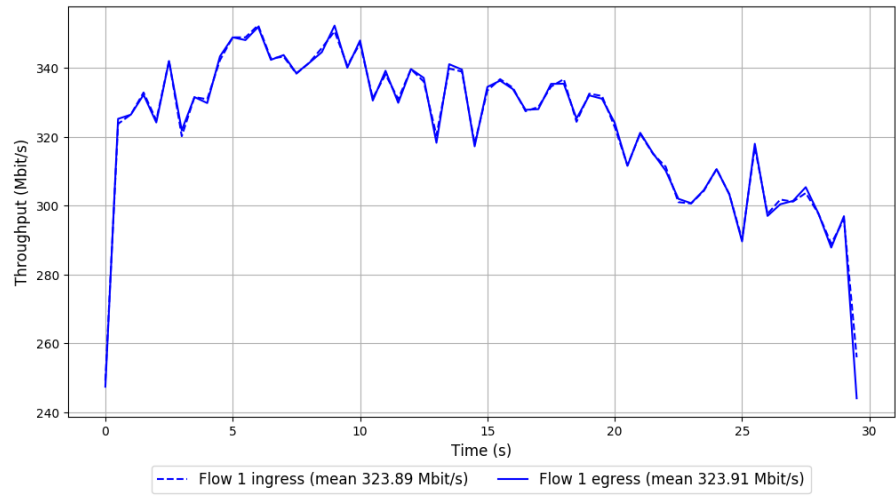
-- Total of 1 flow:

Average throughput: 323.91 Mbit/s
95th percentile per-packet one-way delay: 1.429 ms
Loss rate: 0.06%

-- Flow 1:

Average throughput: 323.91 Mbit/s
95th percentile per-packet one-way delay: 1.429 ms
Loss rate: 0.06%

Run 1: Report of TCP Vegas — Data Link

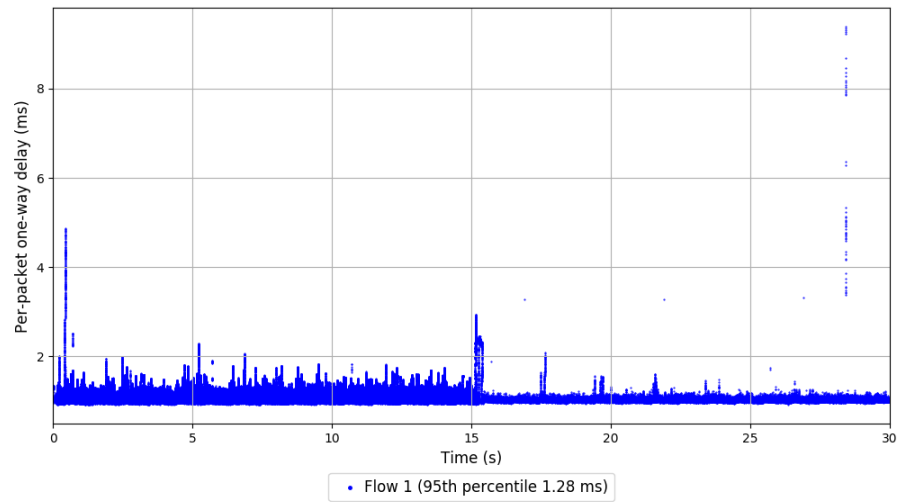
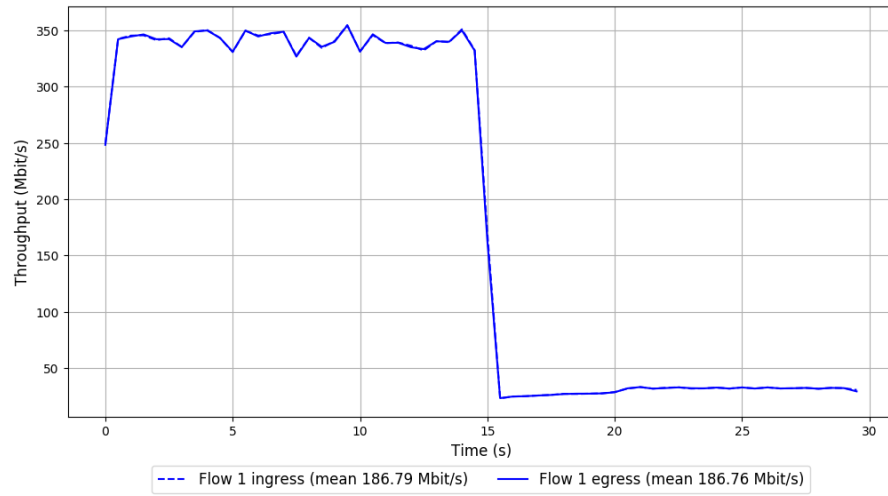


Run 2: Statistics of TCP Vegas

Start at: 2018-04-17 01:54:59
End at: 2018-04-17 01:55:29
Local clock offset: 0.039 ms
Remote clock offset: -5.924 ms

Below is generated by plot.py at 2018-04-17 10:57:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 186.76 Mbit/s
95th percentile per-packet one-way delay: 1.284 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 186.76 Mbit/s
95th percentile per-packet one-way delay: 1.284 ms
Loss rate: 0.08%

Run 2: Report of TCP Vegas — Data Link

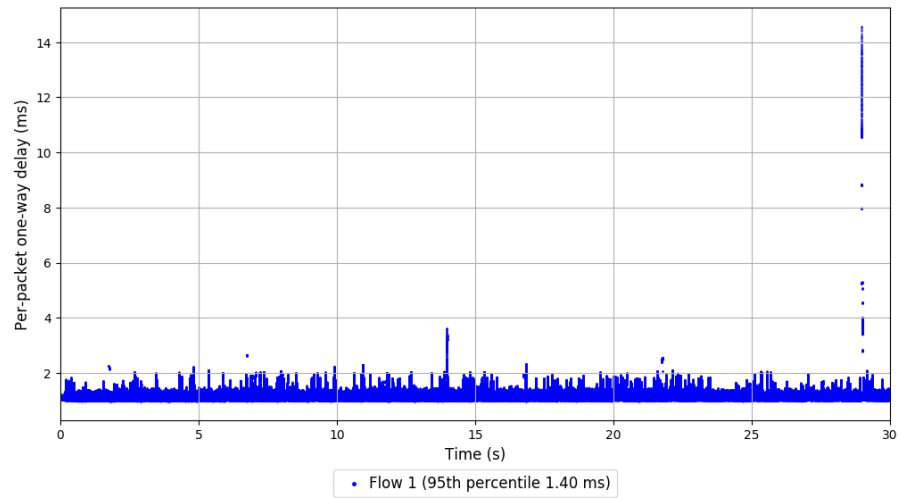
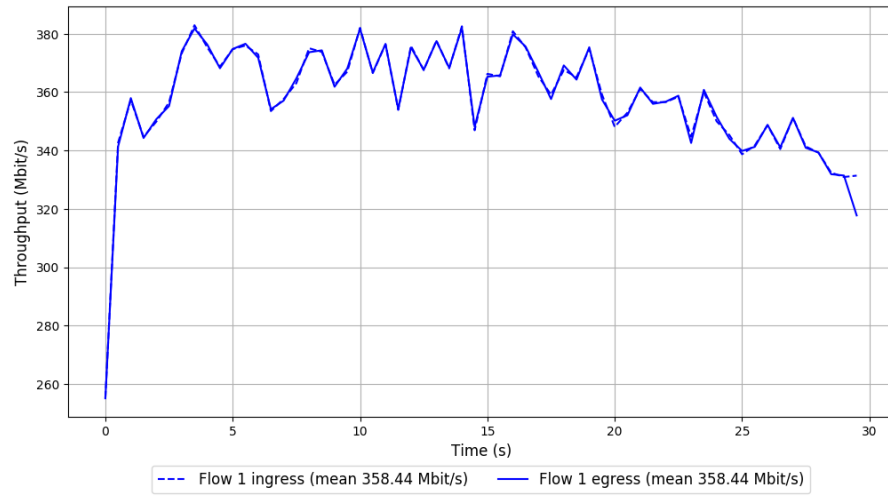


Run 3: Statistics of TCP Vegas

Start at: 2018-04-17 02:20:10
End at: 2018-04-17 02:20:40
Local clock offset: 0.267 ms
Remote clock offset: -5.158 ms

Below is generated by plot.py at 2018-04-17 10:57:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 358.44 Mbit/s
95th percentile per-packet one-way delay: 1.400 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 358.44 Mbit/s
95th percentile per-packet one-way delay: 1.400 ms
Loss rate: 0.07%

Run 3: Report of TCP Vegas — Data Link

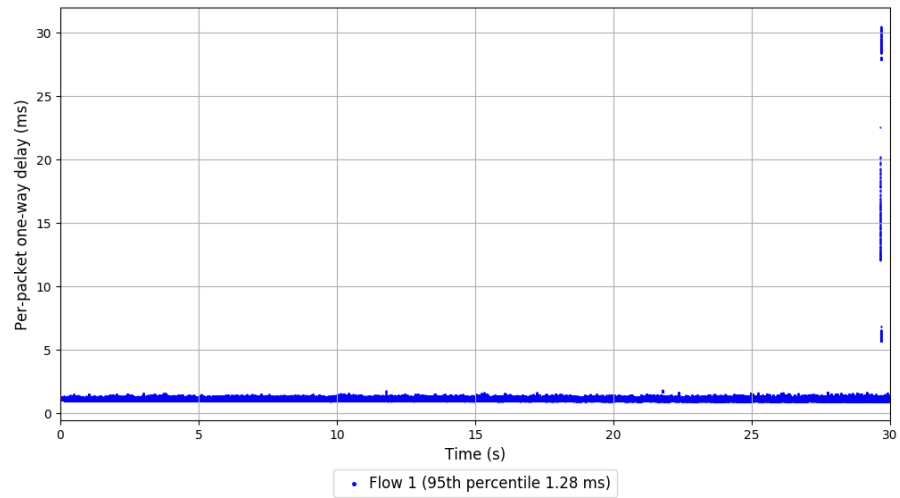
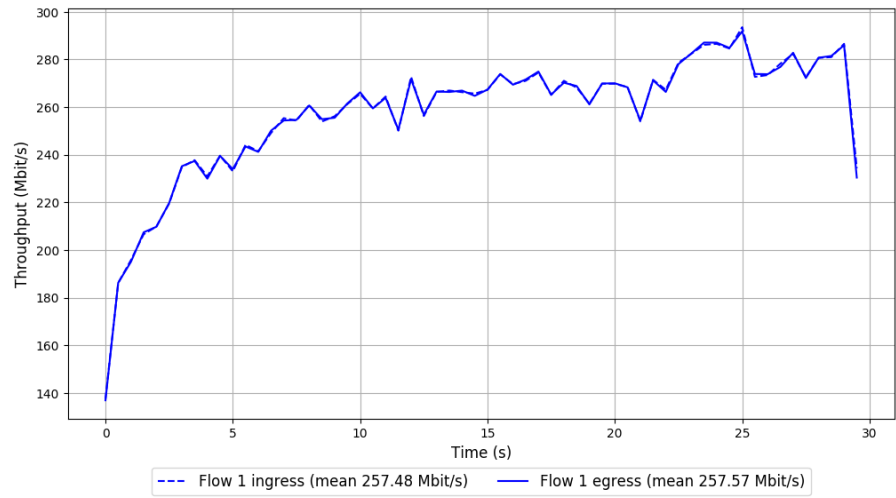


Run 4: Statistics of TCP Vegas

Start at: 2018-04-17 02:45:35
End at: 2018-04-17 02:46:05
Local clock offset: 0.388 ms
Remote clock offset: -5.29 ms

Below is generated by plot.py at 2018-04-17 10:57:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 257.57 Mbit/s
95th percentile per-packet one-way delay: 1.281 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 257.57 Mbit/s
95th percentile per-packet one-way delay: 1.281 ms
Loss rate: 0.04%

Run 4: Report of TCP Vegas — Data Link

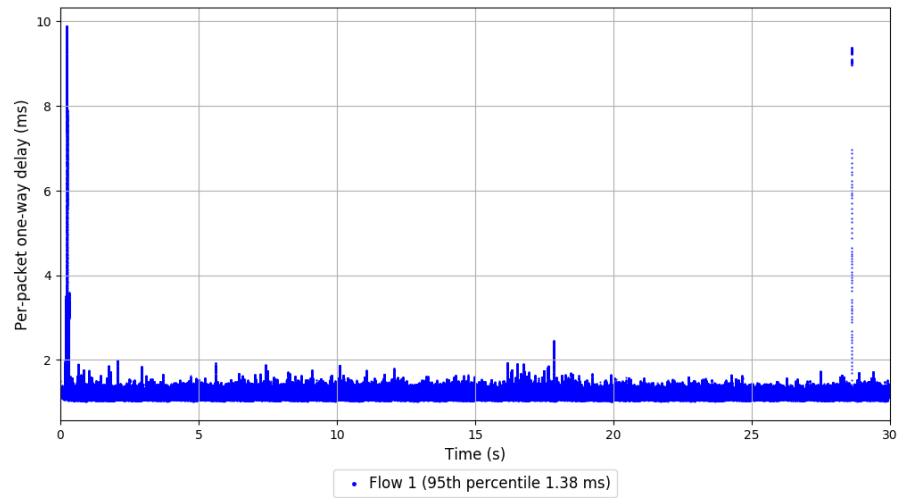
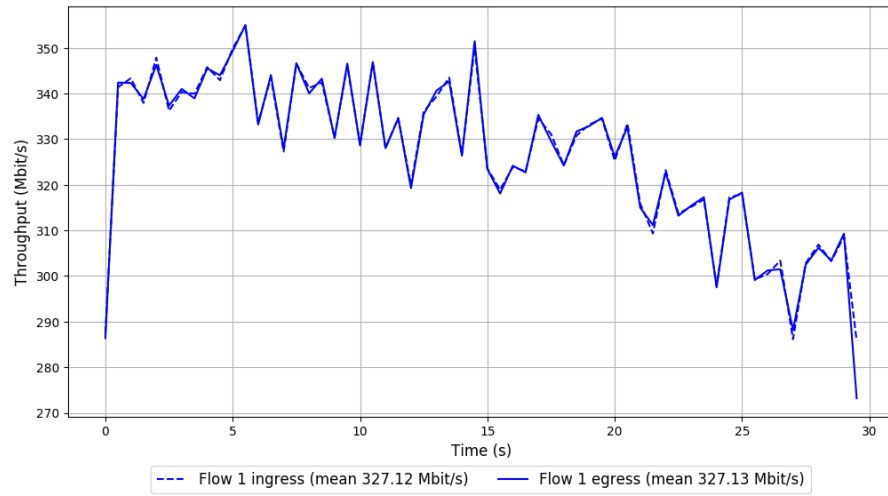


Run 5: Statistics of TCP Vegas

Start at: 2018-04-17 03:10:59
End at: 2018-04-17 03:11:29
Local clock offset: 0.311 ms
Remote clock offset: -6.393 ms

Below is generated by plot.py at 2018-04-17 10:57:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 327.13 Mbit/s
95th percentile per-packet one-way delay: 1.381 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 327.13 Mbit/s
95th percentile per-packet one-way delay: 1.381 ms
Loss rate: 0.07%

Run 5: Report of TCP Vegas — Data Link

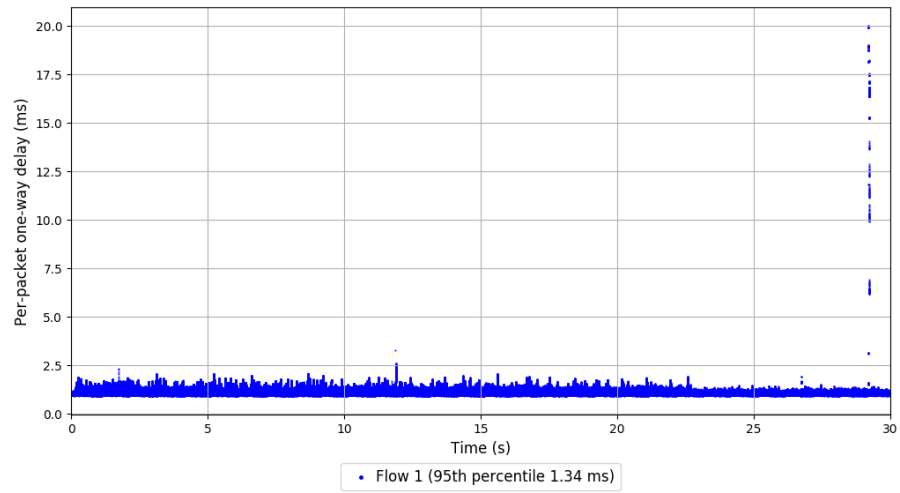
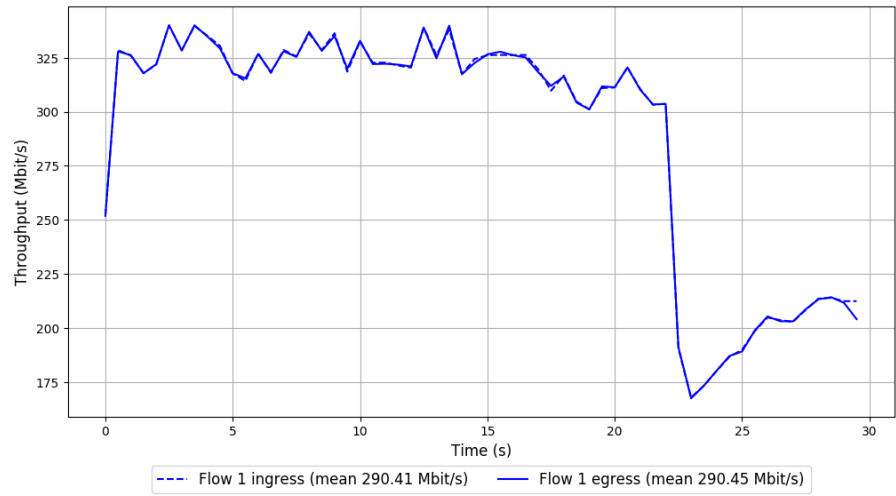


Run 6: Statistics of TCP Vegas

Start at: 2018-04-17 03:36:26
End at: 2018-04-17 03:36:56
Local clock offset: -0.025 ms
Remote clock offset: -6.239 ms

Below is generated by plot.py at 2018-04-17 10:57:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 290.45 Mbit/s
95th percentile per-packet one-way delay: 1.342 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 290.45 Mbit/s
95th percentile per-packet one-way delay: 1.342 ms
Loss rate: 0.05%

Run 6: Report of TCP Vegas — Data Link

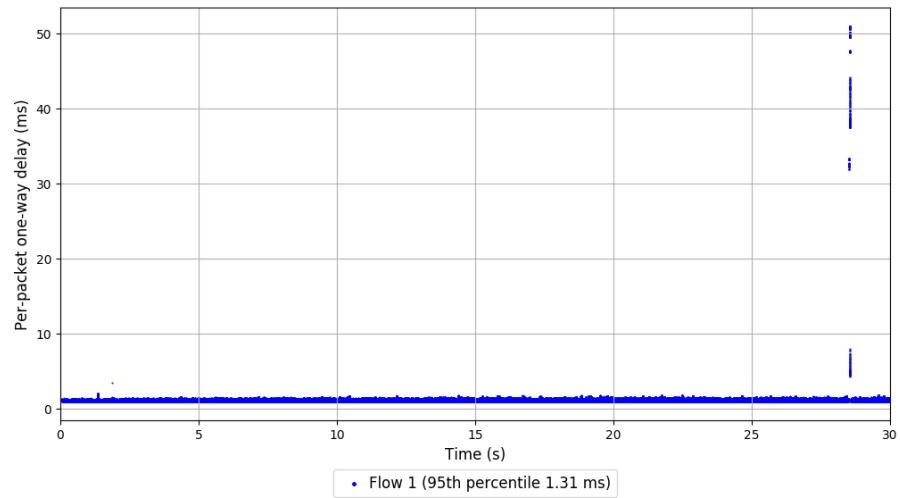
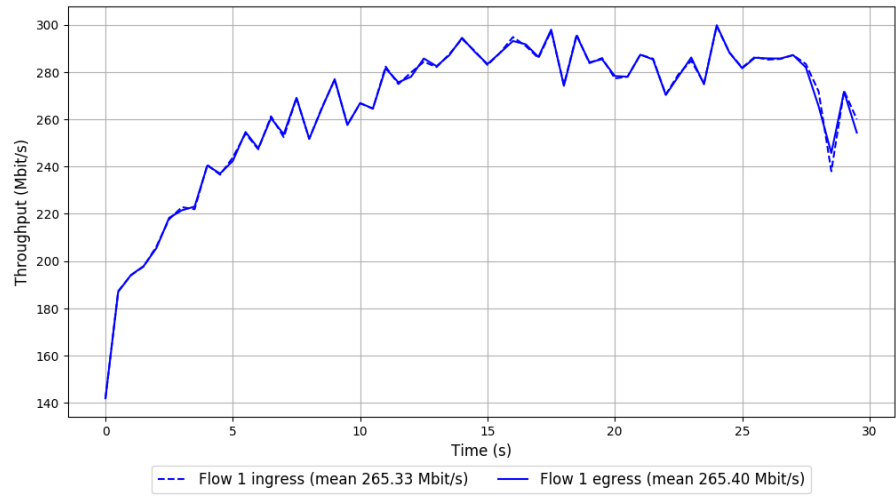


Run 7: Statistics of TCP Vegas

Start at: 2018-04-17 04:01:43
End at: 2018-04-17 04:02:14
Local clock offset: 0.386 ms
Remote clock offset: -5.359 ms

Below is generated by plot.py at 2018-04-17 10:58:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 265.40 Mbit/s
95th percentile per-packet one-way delay: 1.308 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 265.40 Mbit/s
95th percentile per-packet one-way delay: 1.308 ms
Loss rate: 0.04%

Run 7: Report of TCP Vegas — Data Link

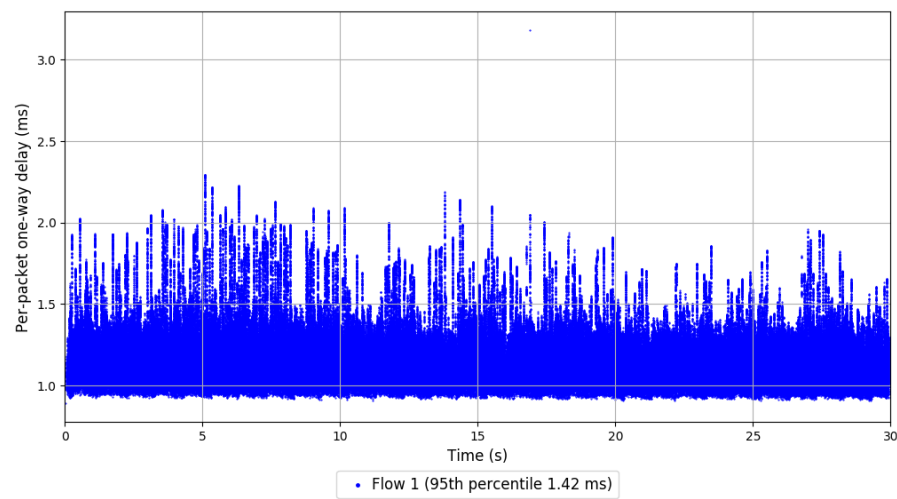
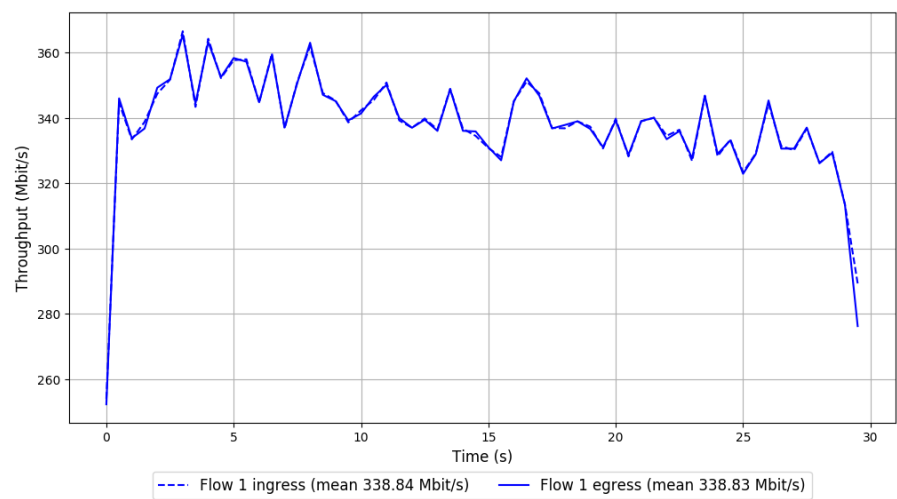


Run 8: Statistics of TCP Vegas

Start at: 2018-04-17 04:27:05
End at: 2018-04-17 04:27:35
Local clock offset: 0.479 ms
Remote clock offset: -4.761 ms

Below is generated by plot.py at 2018-04-17 10:59:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 338.83 Mbit/s
95th percentile per-packet one-way delay: 1.415 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 338.83 Mbit/s
95th percentile per-packet one-way delay: 1.415 ms
Loss rate: 0.07%

Run 8: Report of TCP Vegas — Data Link

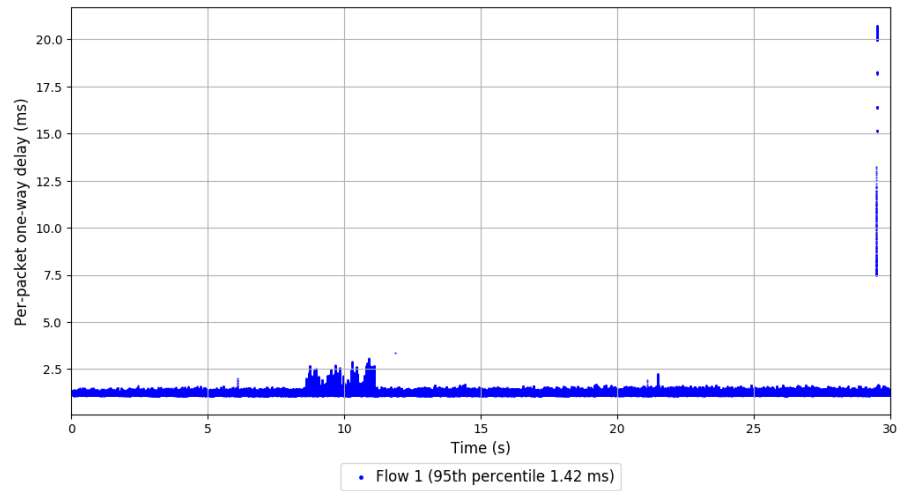
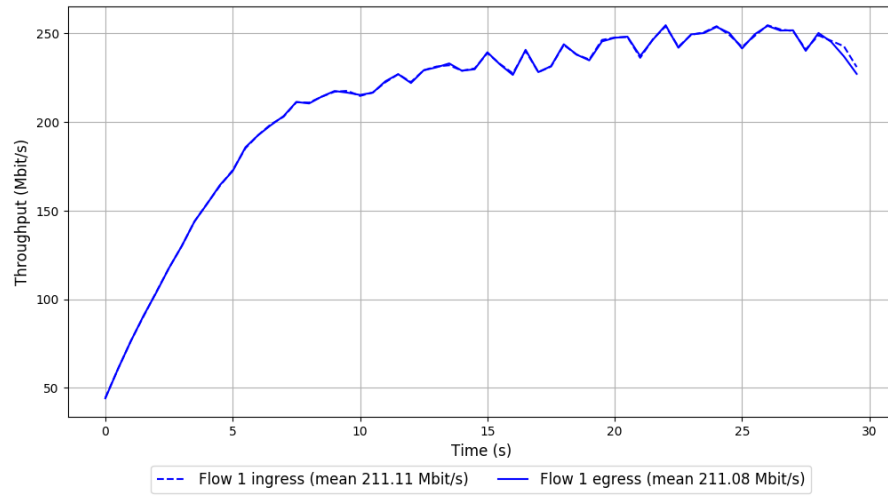


Run 9: Statistics of TCP Vegas

Start at: 2018-04-17 04:52:28
End at: 2018-04-17 04:52:58
Local clock offset: 0.35 ms
Remote clock offset: -4.879 ms

Below is generated by plot.py at 2018-04-17 10:59:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 211.08 Mbit/s
95th percentile per-packet one-way delay: 1.422 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 211.08 Mbit/s
95th percentile per-packet one-way delay: 1.422 ms
Loss rate: 0.08%

Run 9: Report of TCP Vegas — Data Link

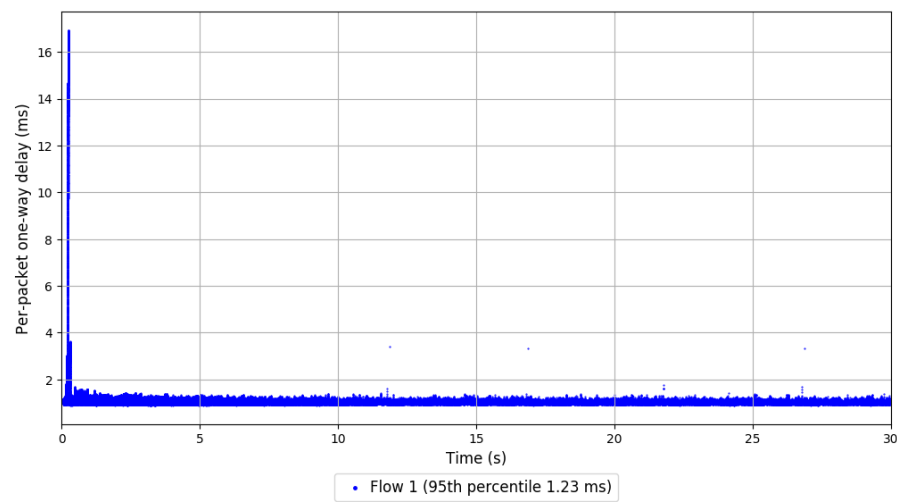
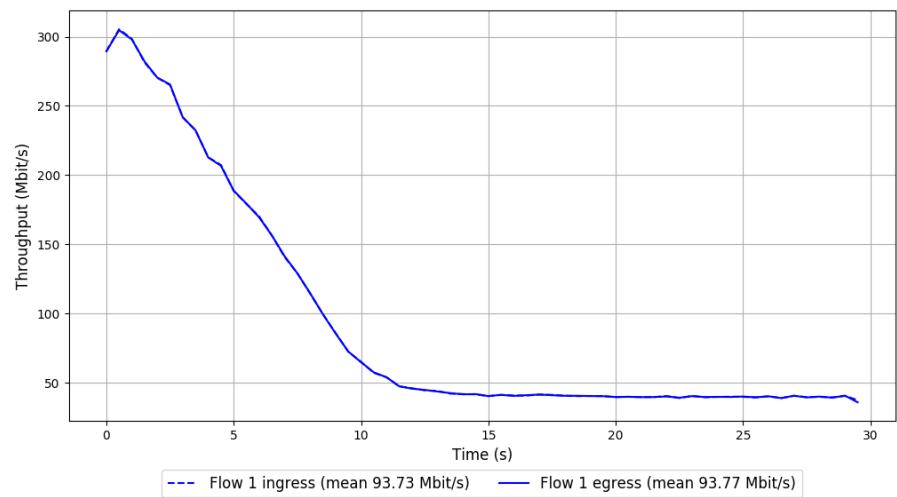


Run 10: Statistics of TCP Vegas

Start at: 2018-04-17 05:17:40
End at: 2018-04-17 05:18:10
Local clock offset: -0.159 ms
Remote clock offset: -6.342 ms

Below is generated by plot.py at 2018-04-17 10:59:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.77 Mbit/s
95th percentile per-packet one-way delay: 1.233 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 93.77 Mbit/s
95th percentile per-packet one-way delay: 1.233 ms
Loss rate: 0.03%

Run 10: Report of TCP Vegas — Data Link

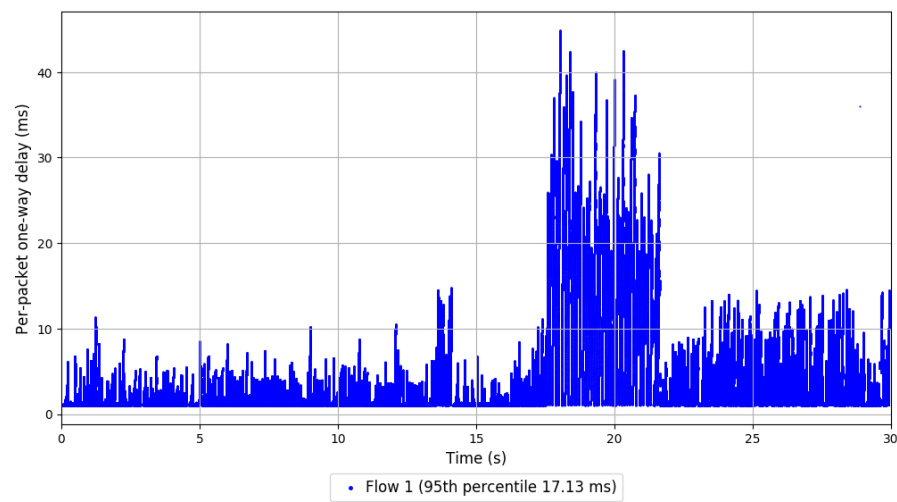
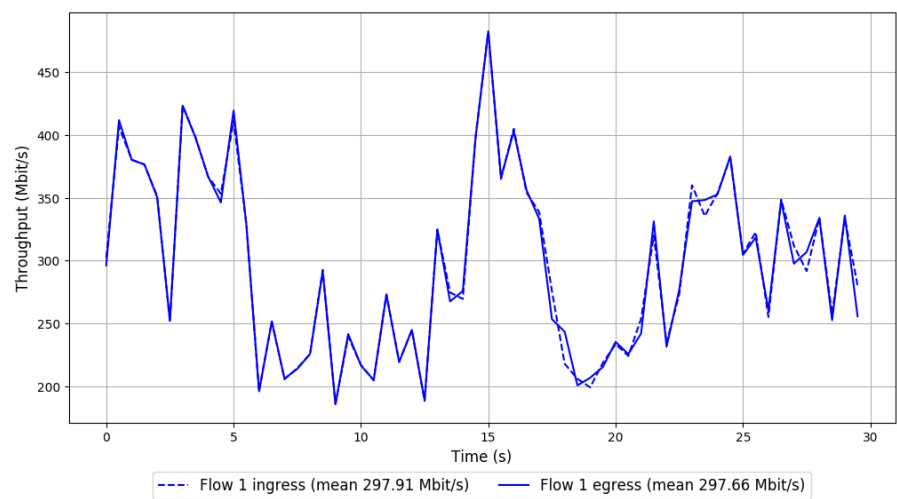


Run 1: Statistics of Verus

Start at: 2018-04-17 01:47:40
End at: 2018-04-17 01:48:10
Local clock offset: 0.126 ms
Remote clock offset: -6.086 ms

Below is generated by plot.py at 2018-04-17 11:01:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 297.66 Mbit/s
95th percentile per-packet one-way delay: 17.134 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 297.66 Mbit/s
95th percentile per-packet one-way delay: 17.134 ms
Loss rate: 0.15%

Run 1: Report of Verus — Data Link

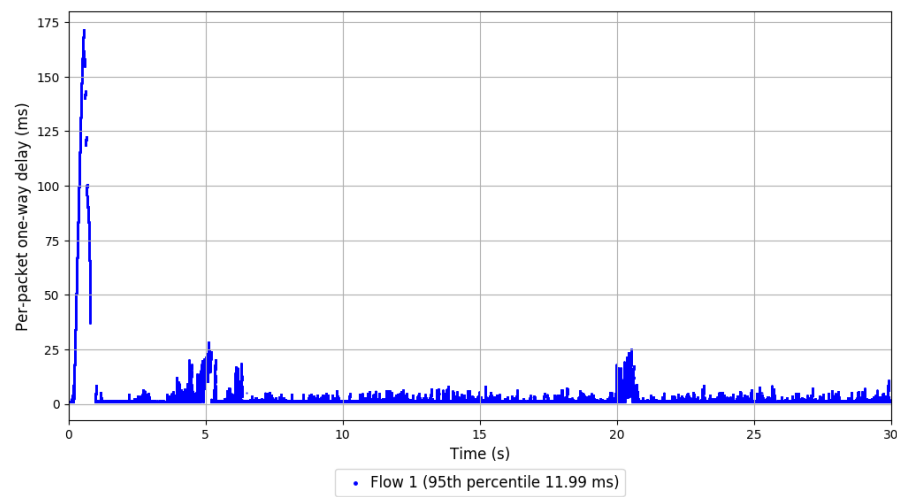
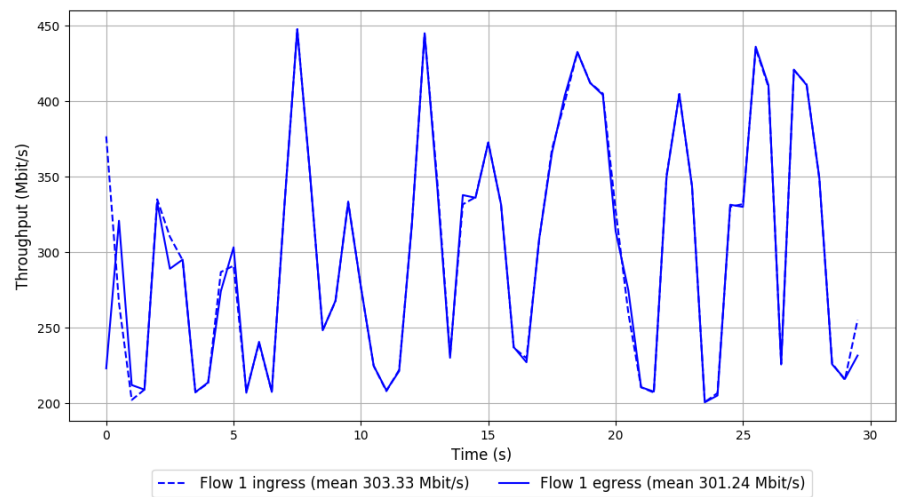


Run 2: Statistics of Verus

Start at: 2018-04-17 02:13:04
End at: 2018-04-17 02:13:34
Local clock offset: 0.293 ms
Remote clock offset: -5.459 ms

Below is generated by plot.py at 2018-04-17 11:01:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 301.24 Mbit/s
95th percentile per-packet one-way delay: 11.992 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 301.24 Mbit/s
95th percentile per-packet one-way delay: 11.992 ms
Loss rate: 0.75%

Run 2: Report of Verus — Data Link

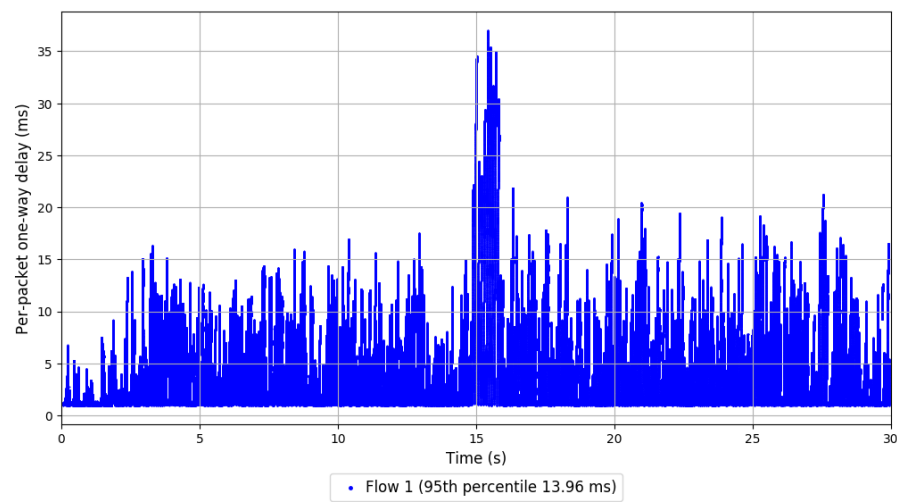
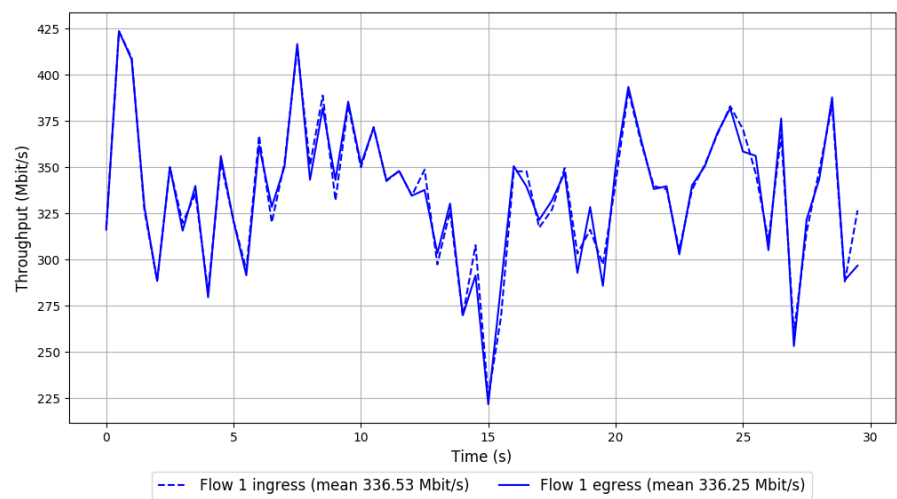


Run 3: Statistics of Verus

Start at: 2018-04-17 02:38:14
End at: 2018-04-17 02:38:44
Local clock offset: 0.246 ms
Remote clock offset: -4.722 ms

Below is generated by plot.py at 2018-04-17 11:02:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 336.25 Mbit/s
95th percentile per-packet one-way delay: 13.957 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 336.25 Mbit/s
95th percentile per-packet one-way delay: 13.957 ms
Loss rate: 0.15%

Run 3: Report of Verus — Data Link

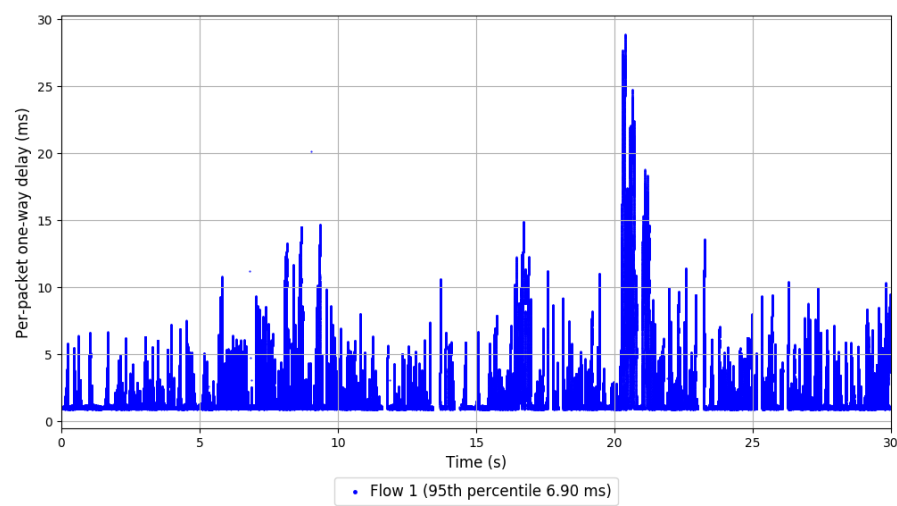
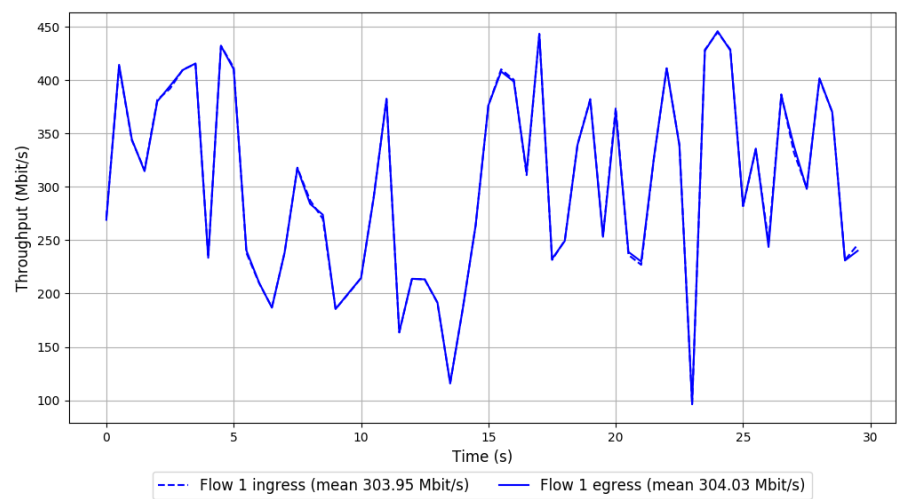


Run 4: Statistics of Verus

Start at: 2018-04-17 03:03:40
End at: 2018-04-17 03:04:10
Local clock offset: 0.305 ms
Remote clock offset: -6.285 ms

Below is generated by plot.py at 2018-04-17 11:02:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 304.03 Mbit/s
95th percentile per-packet one-way delay: 6.896 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 304.03 Mbit/s
95th percentile per-packet one-way delay: 6.896 ms
Loss rate: 0.03%

Run 4: Report of Verus — Data Link

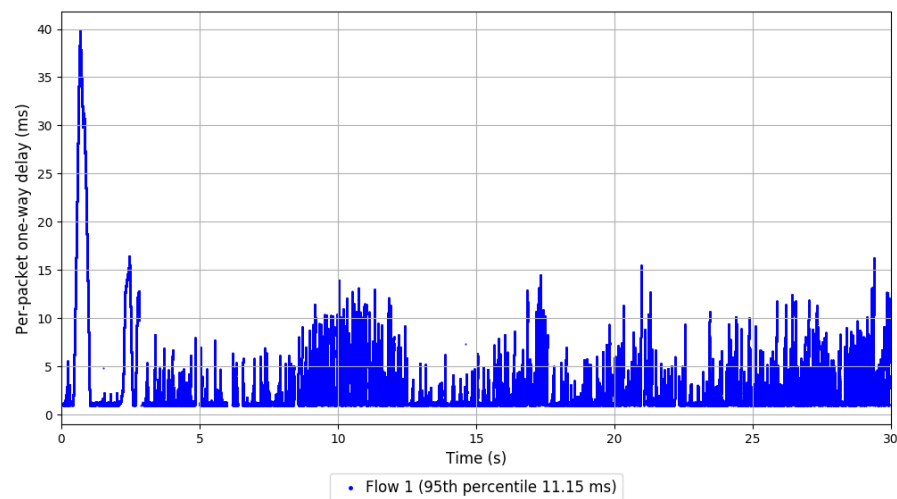
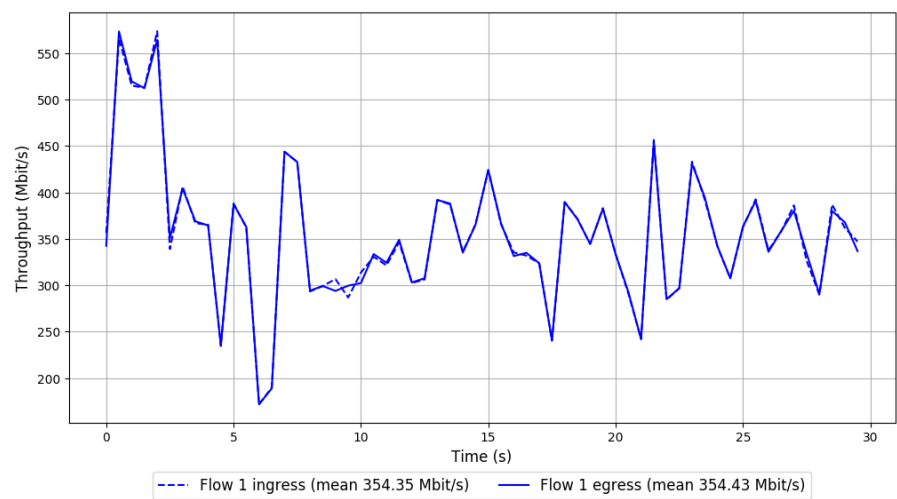


Run 5: Statistics of Verus

Start at: 2018-04-17 03:29:03
End at: 2018-04-17 03:29:34
Local clock offset: 0.099 ms
Remote clock offset: -6.218 ms

Below is generated by plot.py at 2018-04-17 11:03:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 354.43 Mbit/s
95th percentile per-packet one-way delay: 11.150 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 354.43 Mbit/s
95th percentile per-packet one-way delay: 11.150 ms
Loss rate: 0.05%

Run 5: Report of Verus — Data Link

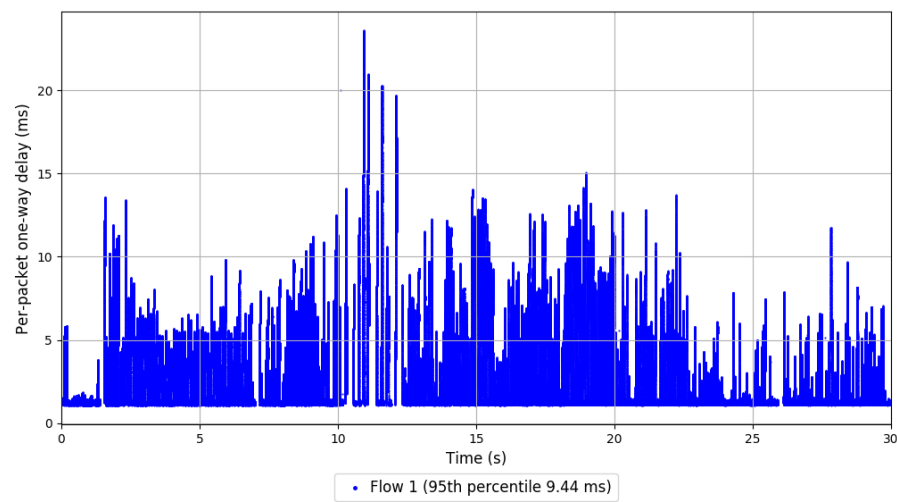
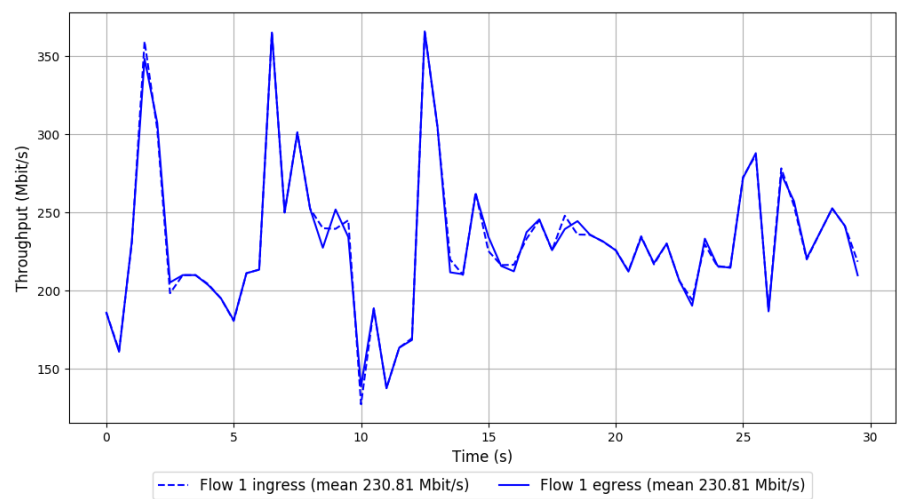


Run 6: Statistics of Verus

Start at: 2018-04-17 03:54:28
End at: 2018-04-17 03:54:58
Local clock offset: 0.428 ms
Remote clock offset: -5.778 ms

Below is generated by plot.py at 2018-04-17 11:03:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 230.81 Mbit/s
95th percentile per-packet one-way delay: 9.442 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 230.81 Mbit/s
95th percentile per-packet one-way delay: 9.442 ms
Loss rate: 0.07%

Run 6: Report of Verus — Data Link

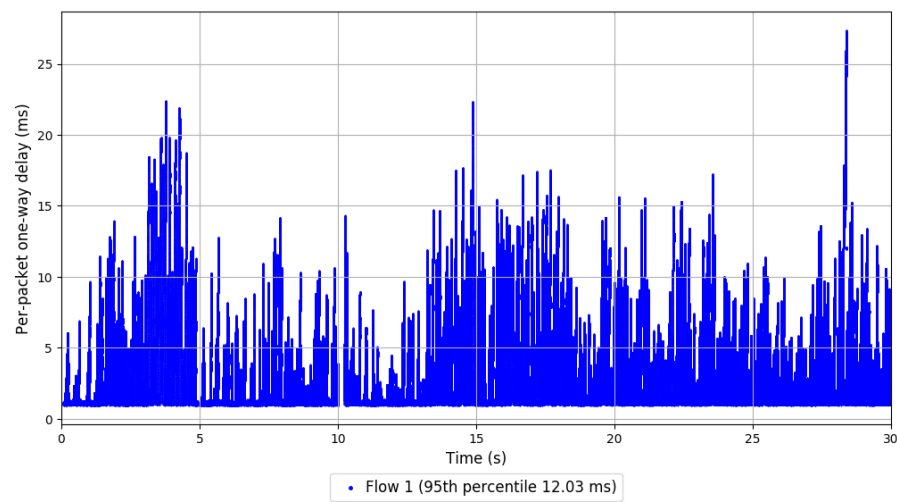
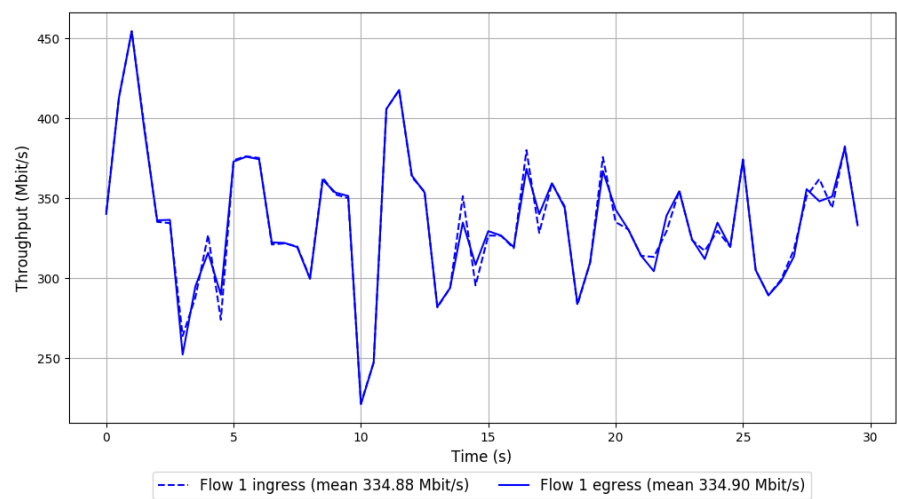


Run 7: Statistics of Verus

Start at: 2018-04-17 04:19:45
End at: 2018-04-17 04:20:15
Local clock offset: 0.496 ms
Remote clock offset: -4.76 ms

Below is generated by plot.py at 2018-04-17 11:03:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 334.90 Mbit/s
95th percentile per-packet one-way delay: 12.029 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 334.90 Mbit/s
95th percentile per-packet one-way delay: 12.029 ms
Loss rate: 0.04%

Run 7: Report of Verus — Data Link

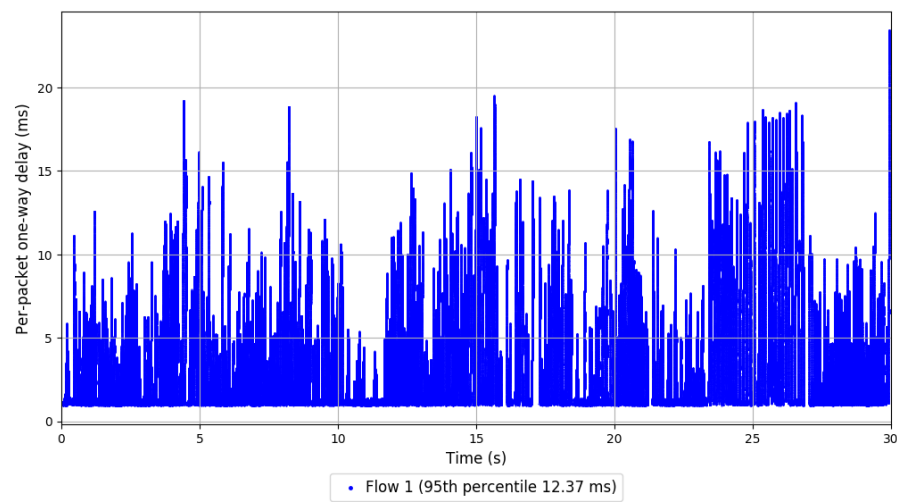
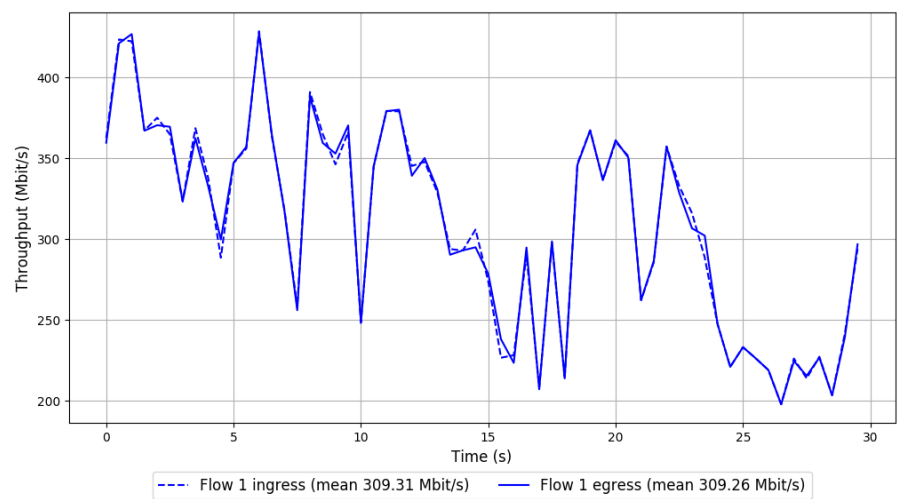


Run 8: Statistics of Verus

Start at: 2018-04-17 04:45:14
End at: 2018-04-17 04:45:44
Local clock offset: 0.37 ms
Remote clock offset: -4.942 ms

Below is generated by plot.py at 2018-04-17 11:04:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 309.26 Mbit/s
95th percentile per-packet one-way delay: 12.367 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 309.26 Mbit/s
95th percentile per-packet one-way delay: 12.367 ms
Loss rate: 0.00%

Run 8: Report of Verus — Data Link

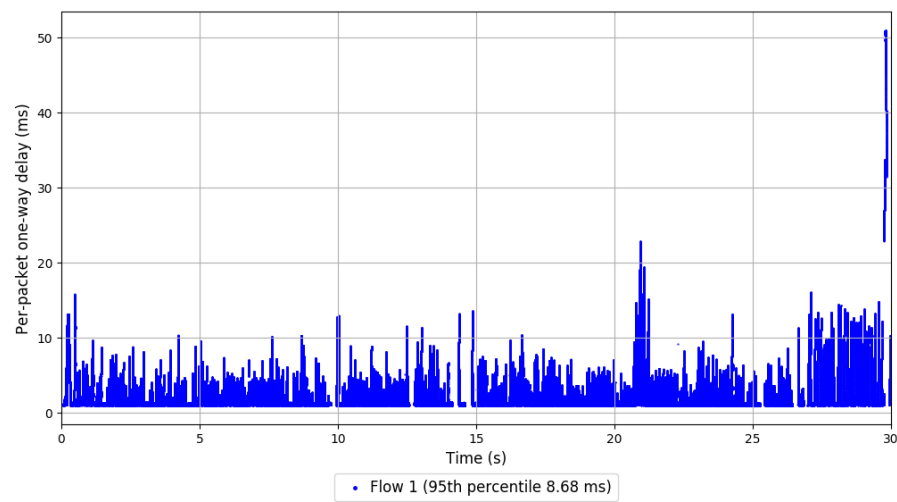
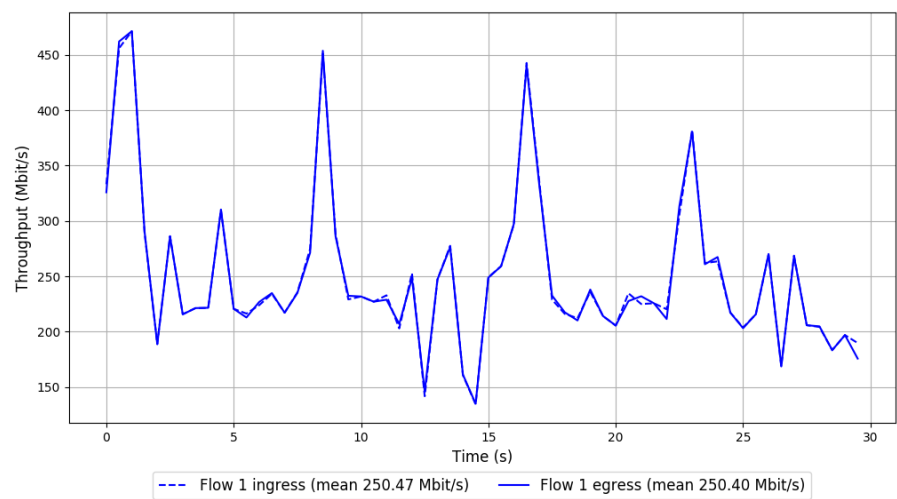


Run 9: Statistics of Verus

Start at: 2018-04-17 05:10:25
End at: 2018-04-17 05:10:55
Local clock offset: 0.02 ms
Remote clock offset: -6.089 ms

Below is generated by plot.py at 2018-04-17 11:05:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 250.40 Mbit/s
95th percentile per-packet one-way delay: 8.680 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 250.40 Mbit/s
95th percentile per-packet one-way delay: 8.680 ms
Loss rate: 0.09%

Run 9: Report of Verus — Data Link

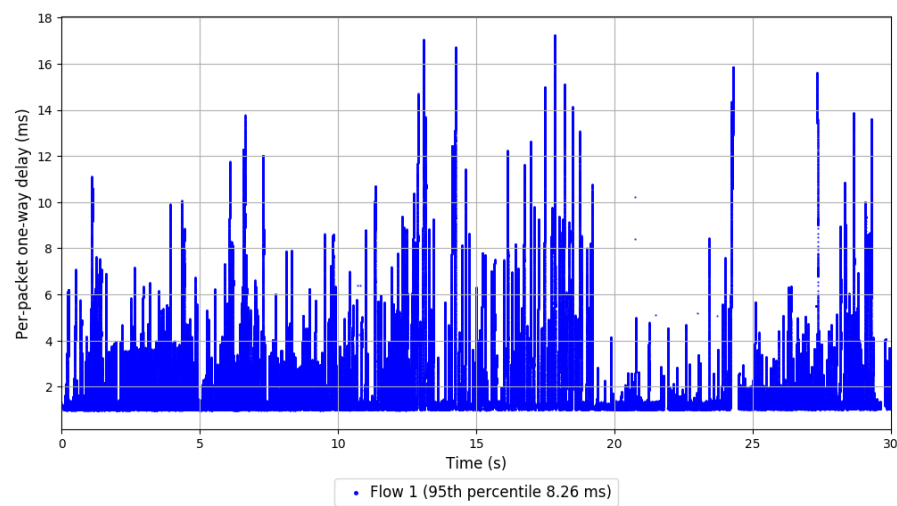
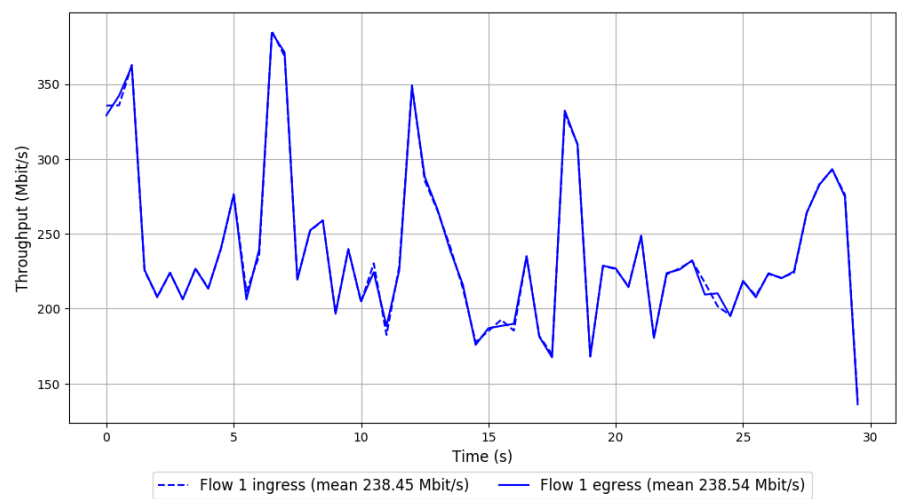


Run 10: Statistics of Verus

Start at: 2018-04-17 05:35:36
End at: 2018-04-17 05:36:06
Local clock offset: -0.026 ms
Remote clock offset: -6.187 ms

Below is generated by plot.py at 2018-04-17 11:05:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 238.54 Mbit/s
95th percentile per-packet one-way delay: 8.263 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 238.54 Mbit/s
95th percentile per-packet one-way delay: 8.263 ms
Loss rate: 0.03%

Run 10: Report of Verus — Data Link

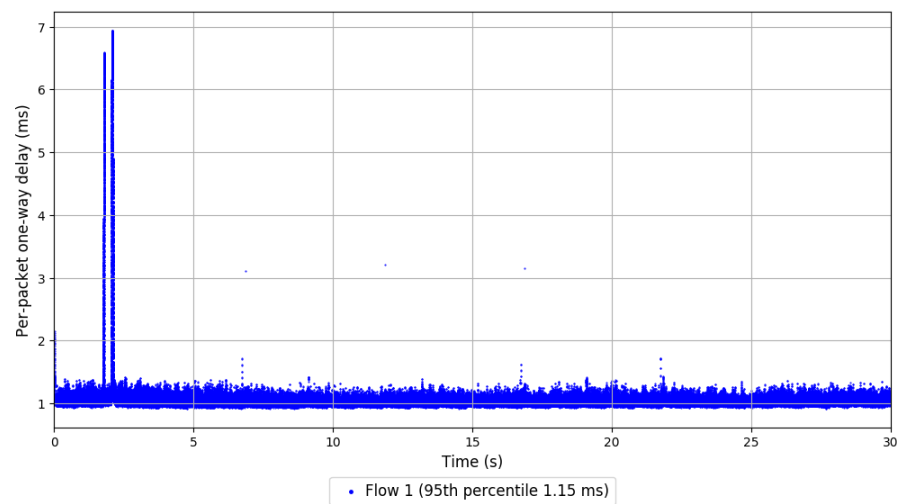
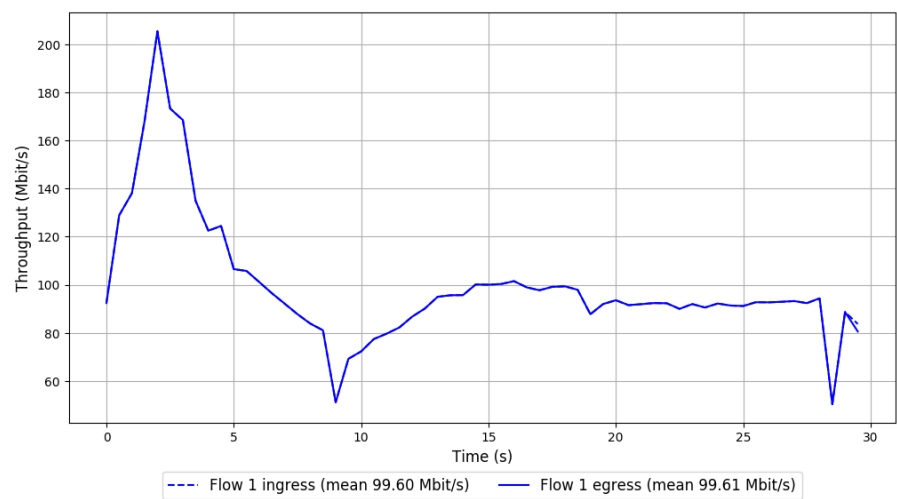


Run 1: Statistics of Copa

Start at: 2018-04-17 01:43:30
End at: 2018-04-17 01:44:00
Local clock offset: 0.098 ms
Remote clock offset: -6.181 ms

Below is generated by plot.py at 2018-04-17 11:05:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 99.61 Mbit/s
95th percentile per-packet one-way delay: 1.151 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 99.61 Mbit/s
95th percentile per-packet one-way delay: 1.151 ms
Loss rate: 0.06%

Run 1: Report of Copa — Data Link

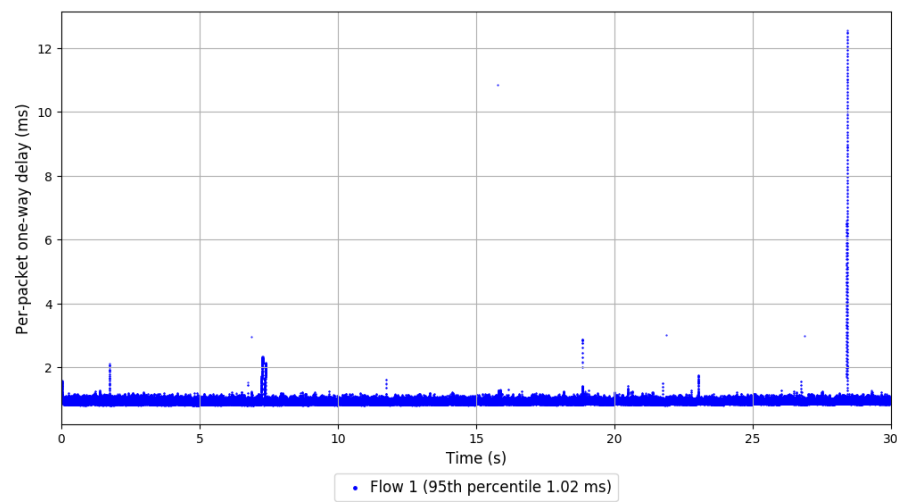
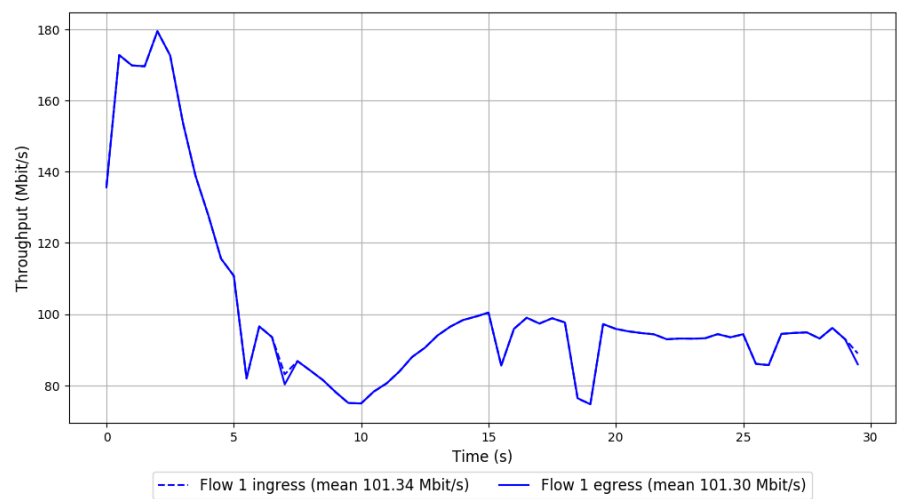


Run 2: Statistics of Copa

Start at: 2018-04-17 02:08:53
End at: 2018-04-17 02:09:23
Local clock offset: 0.153 ms
Remote clock offset: -5.668 ms

Below is generated by plot.py at 2018-04-17 11:05:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 101.30 Mbit/s
95th percentile per-packet one-way delay: 1.016 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 101.30 Mbit/s
95th percentile per-packet one-way delay: 1.016 ms
Loss rate: 0.10%

Run 2: Report of Copa — Data Link

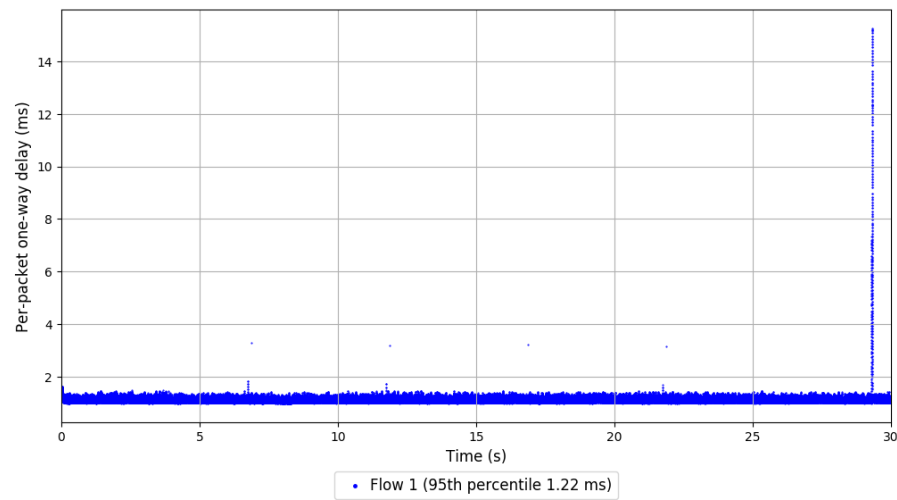
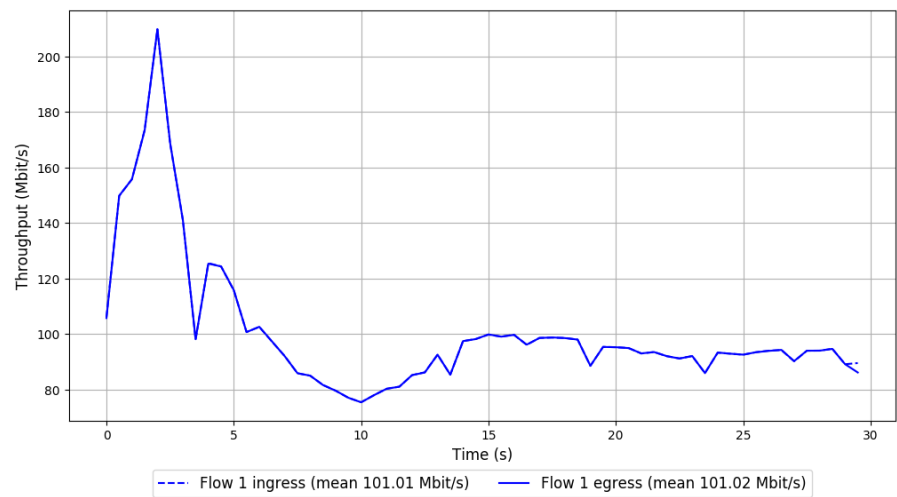


Run 3: Statistics of Copa

Start at: 2018-04-17 02:34:05
End at: 2018-04-17 02:34:35
Local clock offset: 0.282 ms
Remote clock offset: -4.834 ms

Below is generated by plot.py at 2018-04-17 11:05:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 101.02 Mbit/s
95th percentile per-packet one-way delay: 1.224 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 101.02 Mbit/s
95th percentile per-packet one-way delay: 1.224 ms
Loss rate: 0.06%

Run 3: Report of Copa — Data Link

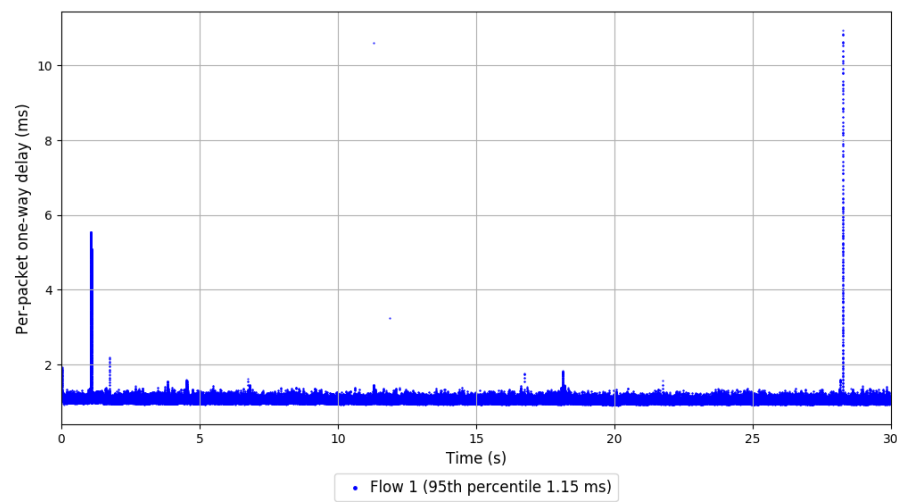
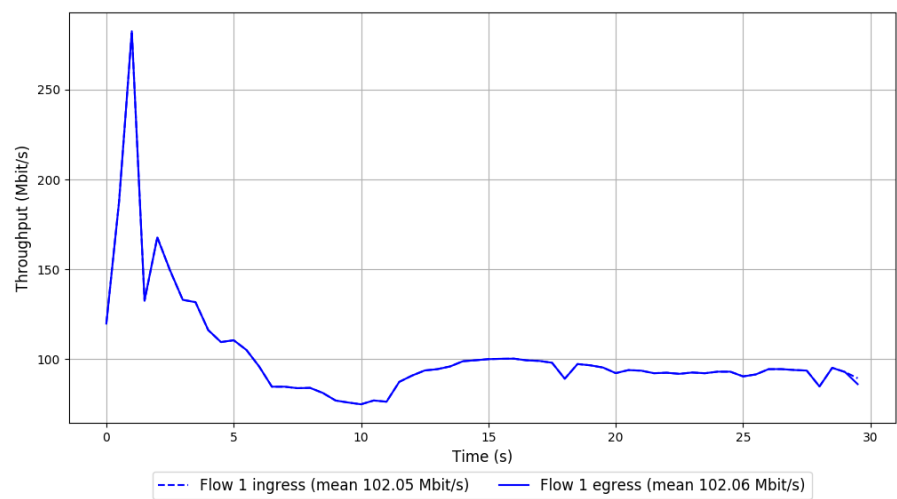


Run 4: Statistics of Copa

Start at: 2018-04-17 02:59:30
End at: 2018-04-17 03:00:00
Local clock offset: 0.375 ms
Remote clock offset: -6.173 ms

Below is generated by plot.py at 2018-04-17 11:06:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 102.06 Mbit/s
95th percentile per-packet one-way delay: 1.149 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 102.06 Mbit/s
95th percentile per-packet one-way delay: 1.149 ms
Loss rate: 0.06%

Run 4: Report of Copa — Data Link

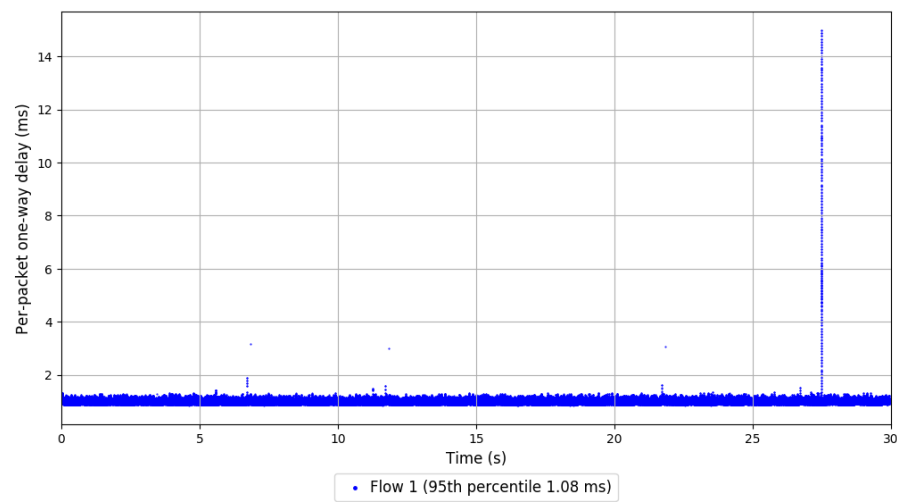
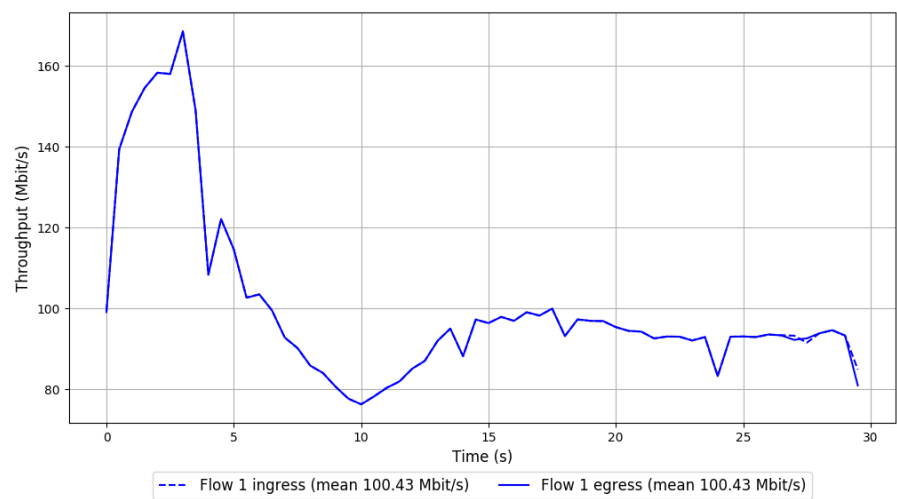


Run 5: Statistics of Copa

Start at: 2018-04-17 03:24:54
End at: 2018-04-17 03:25:24
Local clock offset: 0.054 ms
Remote clock offset: -6.292 ms

Below is generated by plot.py at 2018-04-17 11:06:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 100.43 Mbit/s
95th percentile per-packet one-way delay: 1.082 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 100.43 Mbit/s
95th percentile per-packet one-way delay: 1.082 ms
Loss rate: 0.07%

Run 5: Report of Copa — Data Link

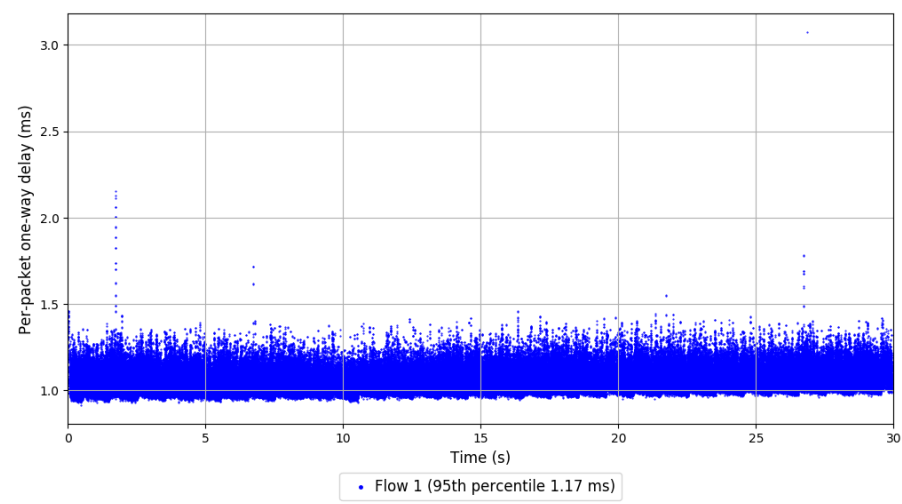
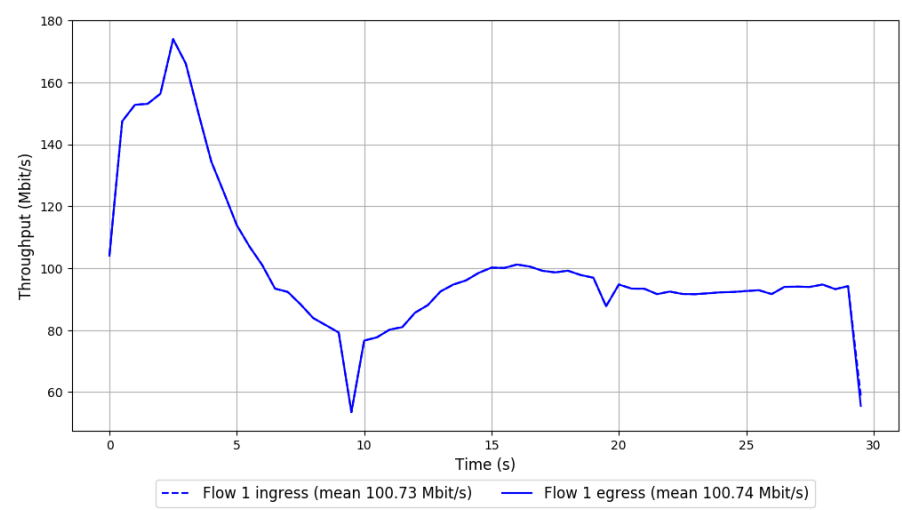


Run 6: Statistics of Copa

Start at: 2018-04-17 03:50:18
End at: 2018-04-17 03:50:48
Local clock offset: 0.339 ms
Remote clock offset: -6.074 ms

Below is generated by plot.py at 2018-04-17 11:07:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 100.74 Mbit/s
95th percentile per-packet one-way delay: 1.174 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 100.74 Mbit/s
95th percentile per-packet one-way delay: 1.174 ms
Loss rate: 0.06%

Run 6: Report of Copa — Data Link

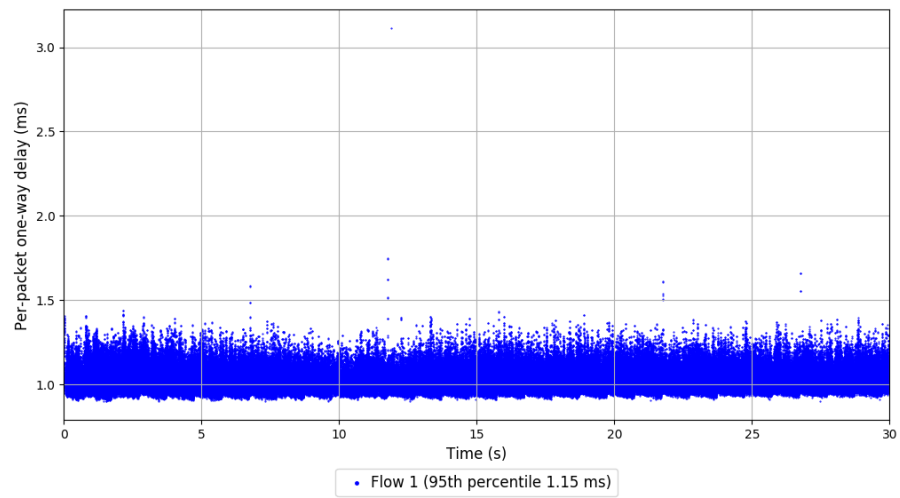
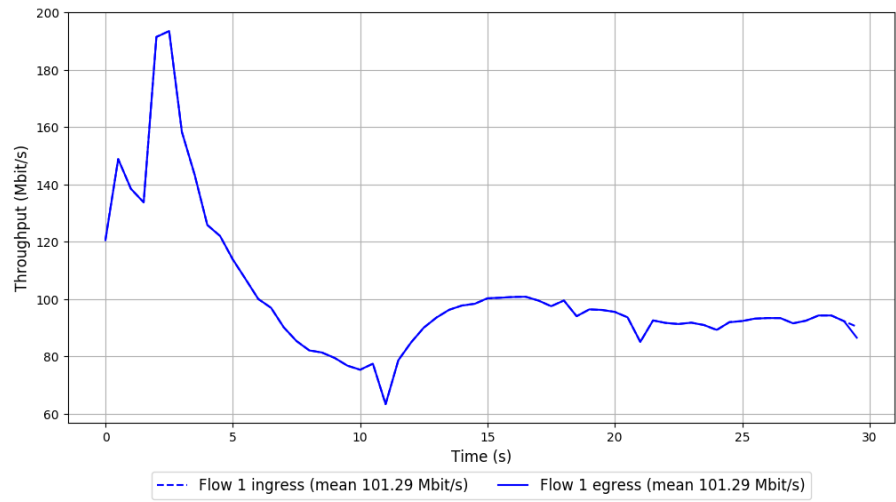


Run 7: Statistics of Copa

Start at: 2018-04-17 04:15:36
End at: 2018-04-17 04:16:06
Local clock offset: 0.58 ms
Remote clock offset: -4.825 ms

Below is generated by plot.py at 2018-04-17 11:07:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 101.29 Mbit/s
95th percentile per-packet one-way delay: 1.153 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 101.29 Mbit/s
95th percentile per-packet one-way delay: 1.153 ms
Loss rate: 0.07%

Run 7: Report of Copa — Data Link

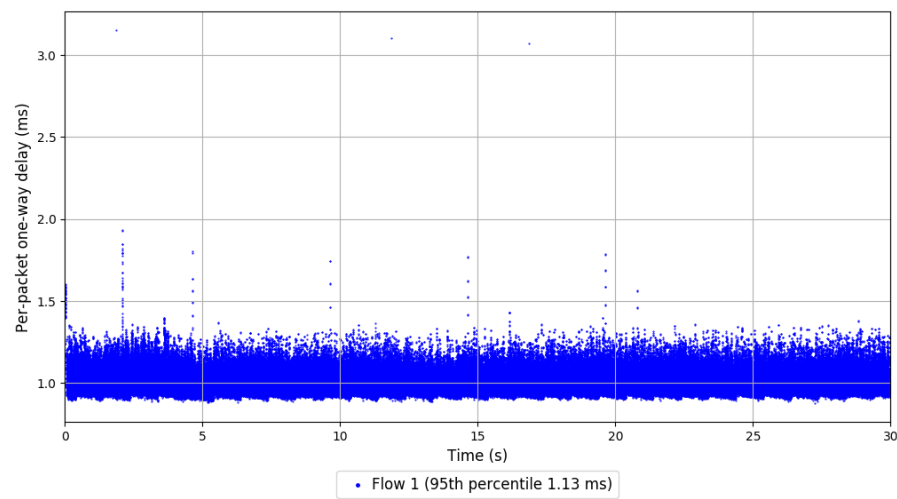
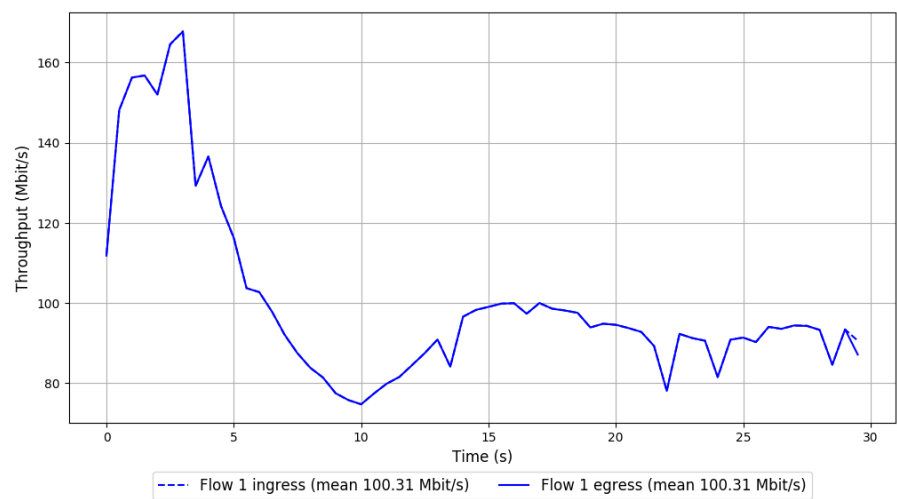


Run 8: Statistics of Copa

Start at: 2018-04-17 04:41:04
End at: 2018-04-17 04:41:34
Local clock offset: 0.371 ms
Remote clock offset: -4.972 ms

Below is generated by plot.py at 2018-04-17 11:08:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 100.31 Mbit/s
95th percentile per-packet one-way delay: 1.131 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 100.31 Mbit/s
95th percentile per-packet one-way delay: 1.131 ms
Loss rate: 0.06%

Run 8: Report of Copa — Data Link

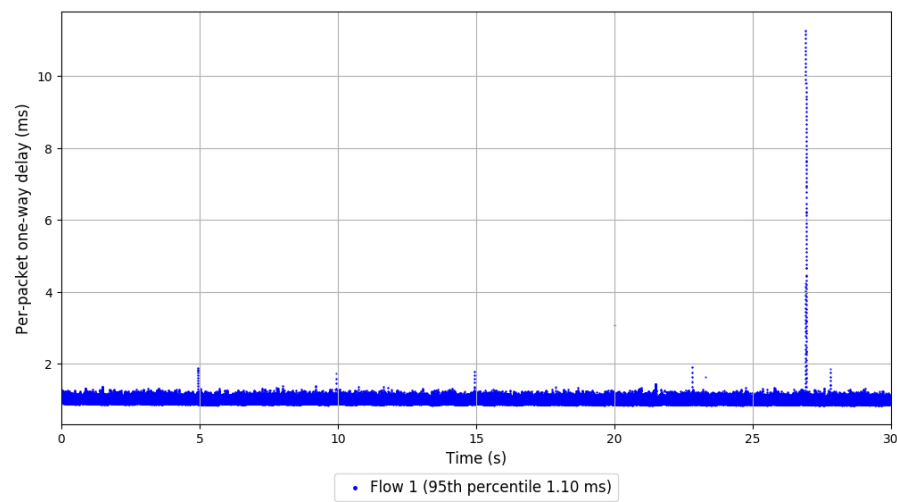
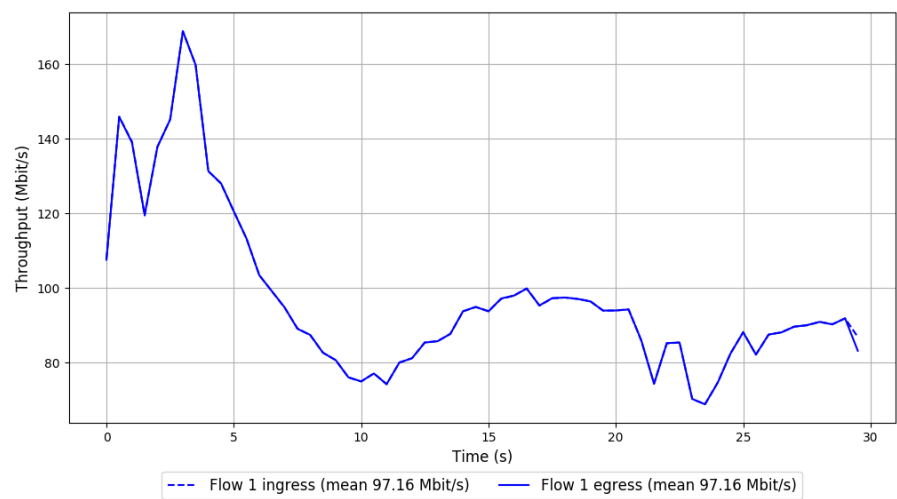


Run 9: Statistics of Copa

Start at: 2018-04-17 05:06:16
End at: 2018-04-17 05:06:46
Local clock offset: -0.033 ms
Remote clock offset: -5.787 ms

Below is generated by plot.py at 2018-04-17 11:08:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 1.099 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 1.099 ms
Loss rate: 0.07%

Run 9: Report of Copa — Data Link

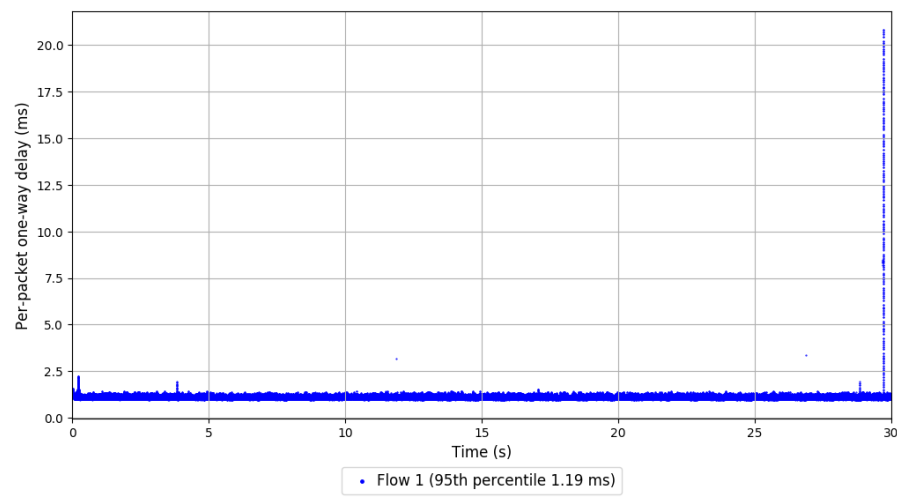
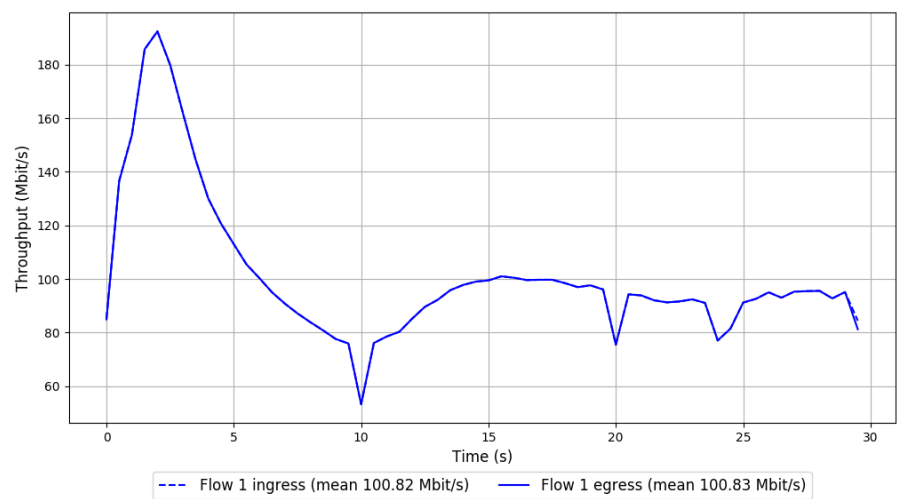


Run 10: Statistics of Copa

Start at: 2018-04-17 05:31:26
End at: 2018-04-17 05:31:57
Local clock offset: -0.065 ms
Remote clock offset: -6.611 ms

Below is generated by plot.py at 2018-04-17 11:08:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 100.83 Mbit/s
95th percentile per-packet one-way delay: 1.192 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 100.83 Mbit/s
95th percentile per-packet one-way delay: 1.192 ms
Loss rate: 0.06%

Run 10: Report of Copa — Data Link

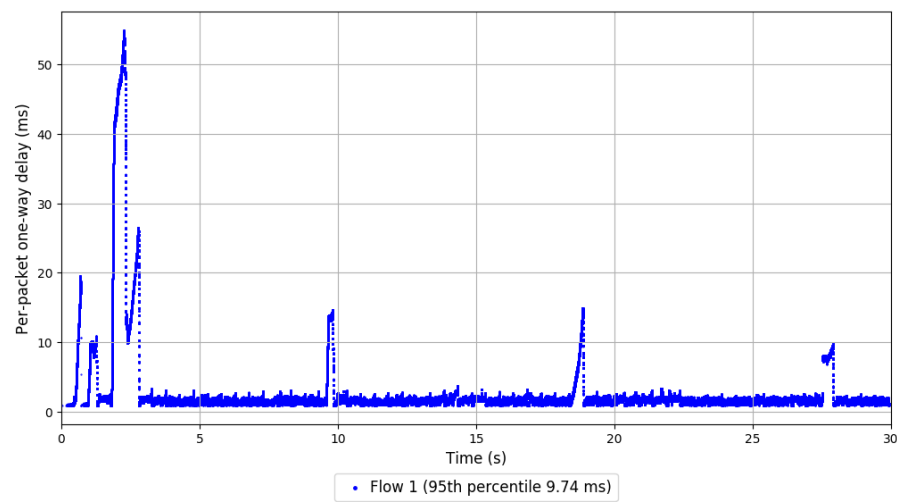
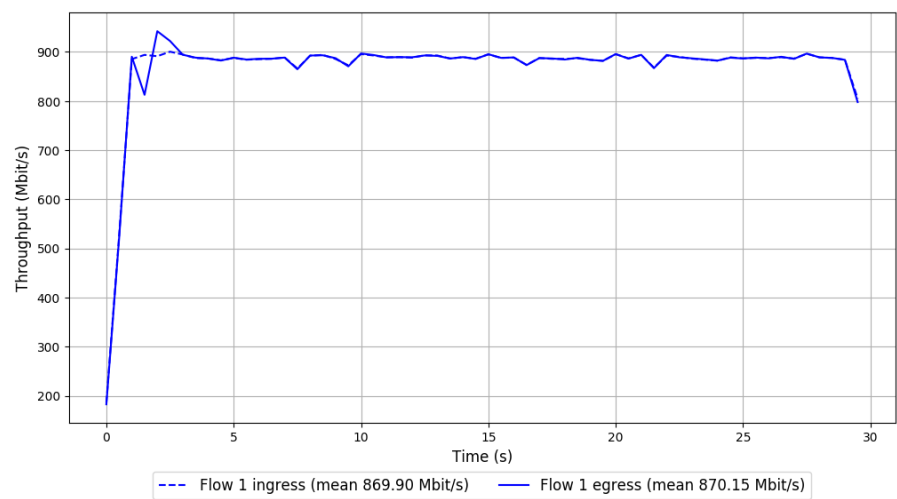


Run 1: Statistics of FillP

Start at: 2018-04-17 01:35:49
End at: 2018-04-17 01:36:19
Local clock offset: 0.261 ms
Remote clock offset: -6.252 ms

Below is generated by plot.py at 2018-04-17 11:20:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 870.15 Mbit/s
95th percentile per-packet one-way delay: 9.739 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 870.15 Mbit/s
95th percentile per-packet one-way delay: 9.739 ms
Loss rate: 0.03%

Run 1: Report of FillP — Data Link

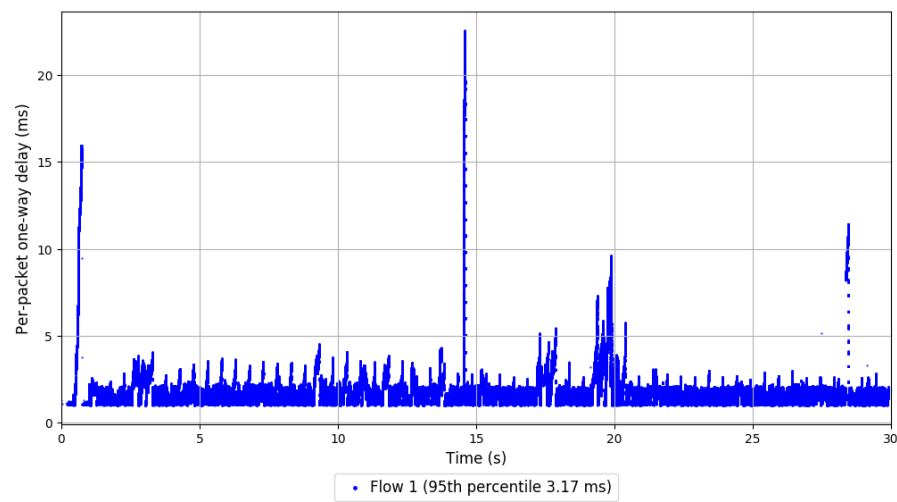
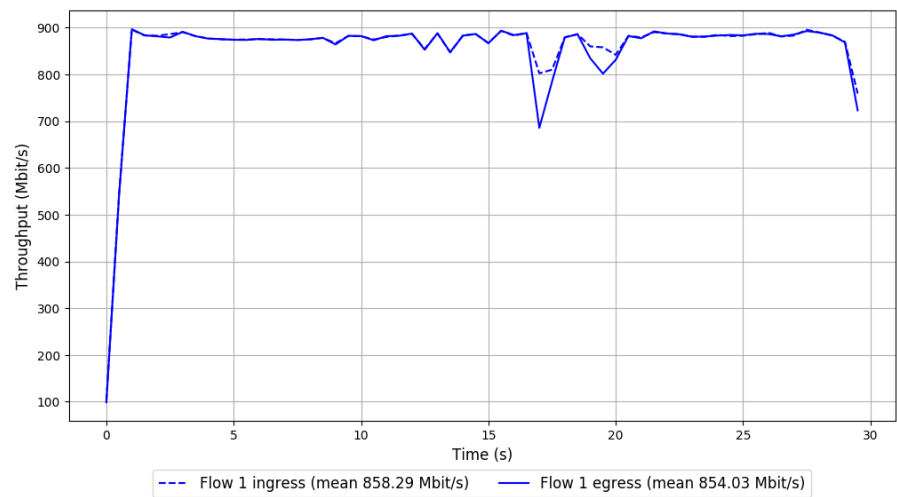


Run 2: Statistics of FillP

Start at: 2018-04-17 02:01:10
End at: 2018-04-17 02:01:40
Local clock offset: 0.094 ms
Remote clock offset: -5.937 ms

Below is generated by plot.py at 2018-04-17 11:20:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 854.03 Mbit/s
95th percentile per-packet one-way delay: 3.165 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 854.03 Mbit/s
95th percentile per-packet one-way delay: 3.165 ms
Loss rate: 0.56%

Run 2: Report of FillP — Data Link

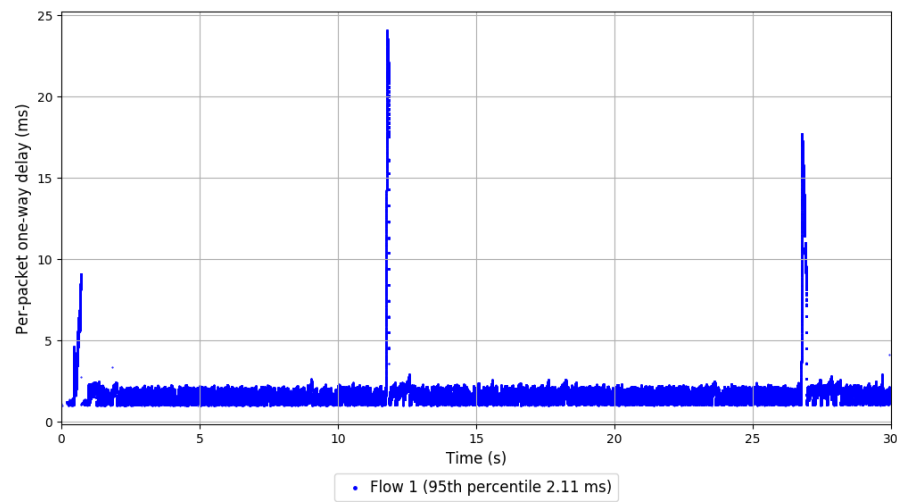
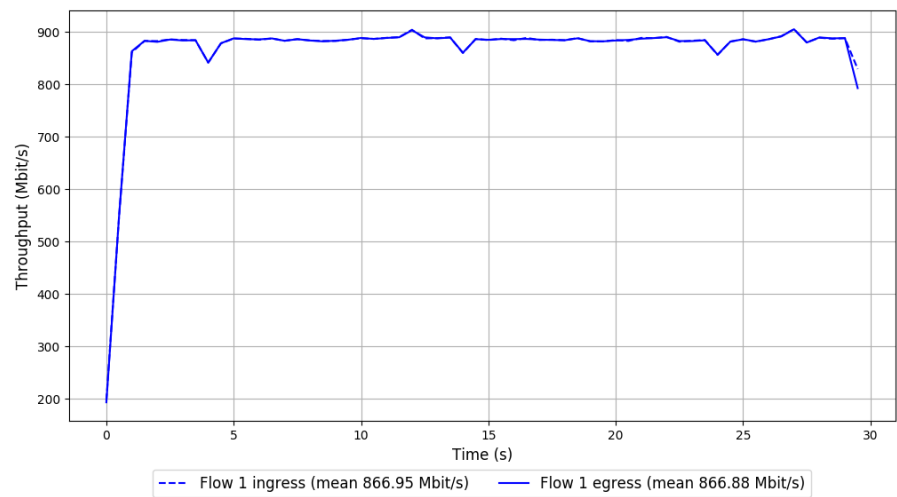


Run 3: Statistics of FillP

Start at: 2018-04-17 02:26:25
End at: 2018-04-17 02:26:55
Local clock offset: 0.27 ms
Remote clock offset: -5.015 ms

Below is generated by plot.py at 2018-04-17 11:21:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 866.88 Mbit/s
95th percentile per-packet one-way delay: 2.113 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 866.88 Mbit/s
95th percentile per-packet one-way delay: 2.113 ms
Loss rate: 0.07%

Run 3: Report of FillP — Data Link

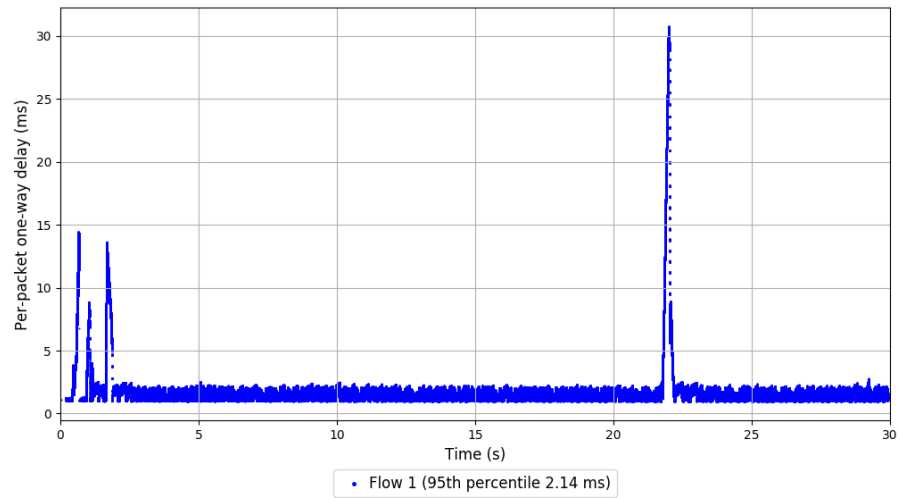
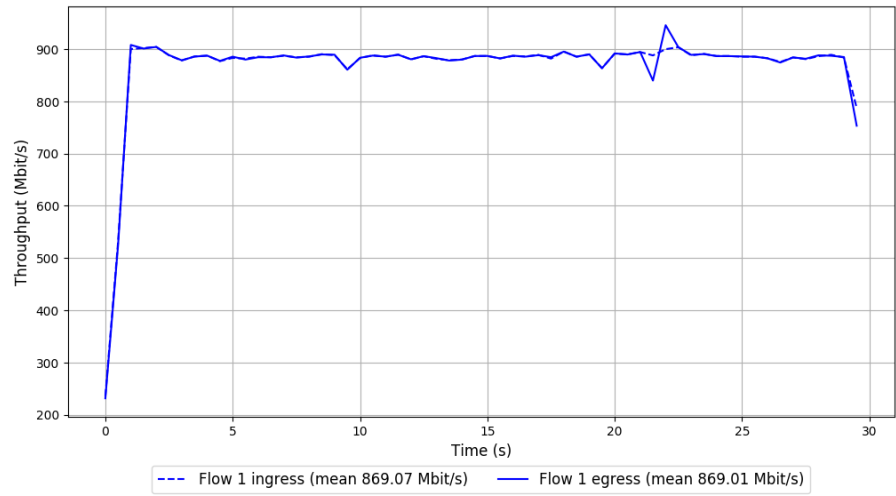


Run 4: Statistics of FillP

Start at: 2018-04-17 02:51:49
End at: 2018-04-17 02:52:19
Local clock offset: 0.378 ms
Remote clock offset: -5.885 ms

Below is generated by plot.py at 2018-04-17 11:21:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 869.01 Mbit/s
95th percentile per-packet one-way delay: 2.141 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 869.01 Mbit/s
95th percentile per-packet one-way delay: 2.141 ms
Loss rate: 0.07%

Run 4: Report of FillP — Data Link

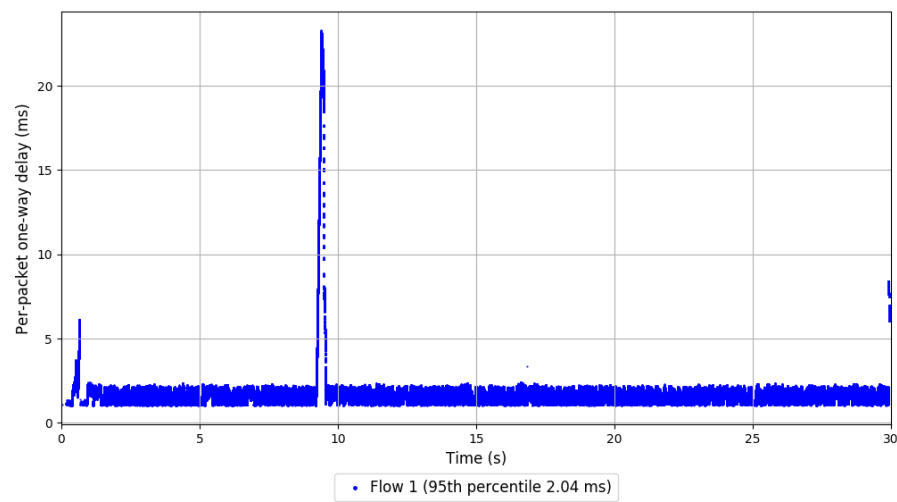
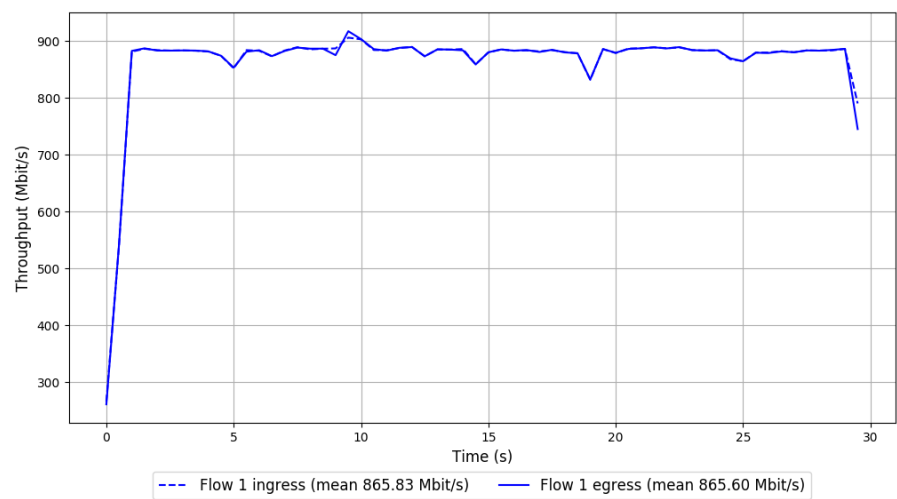


Run 5: Statistics of FillP

Start at: 2018-04-17 03:17:13
End at: 2018-04-17 03:17:43
Local clock offset: 0.191 ms
Remote clock offset: -6.435 ms

Below is generated by plot.py at 2018-04-17 11:21:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 865.60 Mbit/s
95th percentile per-packet one-way delay: 2.042 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 865.60 Mbit/s
95th percentile per-packet one-way delay: 2.042 ms
Loss rate: 0.09%

Run 5: Report of FillP — Data Link

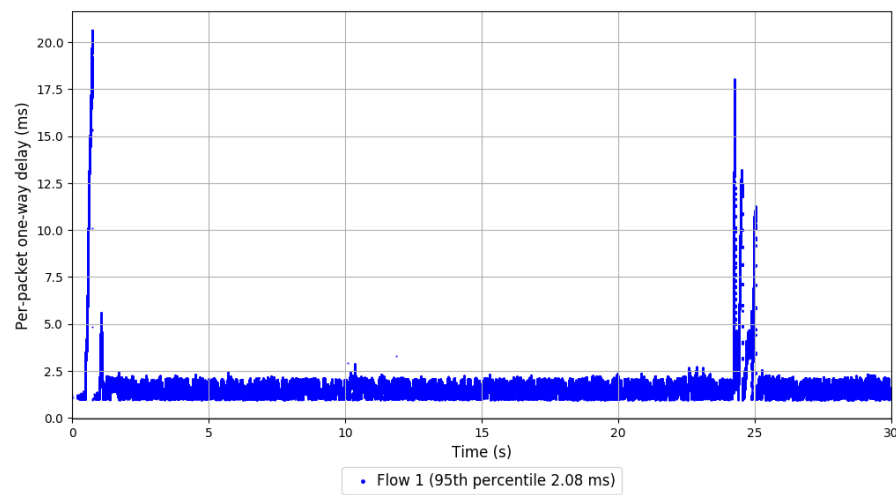
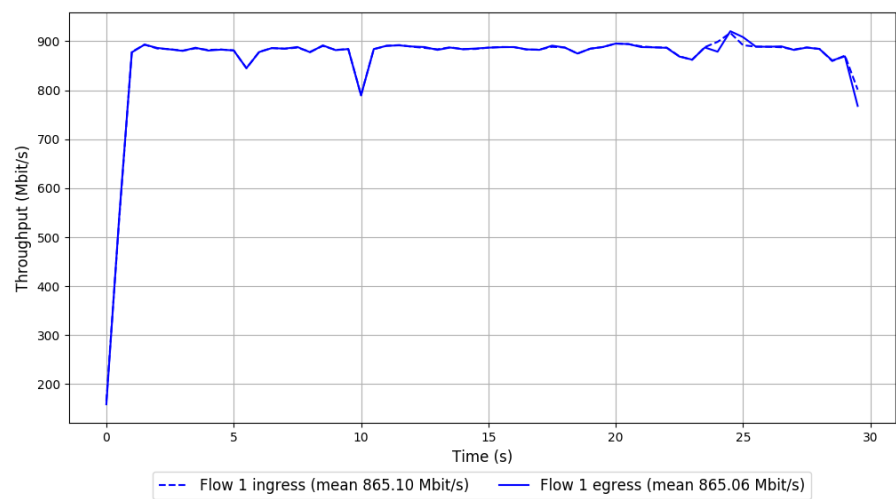


Run 6: Statistics of FillP

Start at: 2018-04-17 03:42:39
End at: 2018-04-17 03:43:09
Local clock offset: 0.089 ms
Remote clock offset: -6.231 ms

Below is generated by plot.py at 2018-04-17 11:22:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 865.06 Mbit/s
95th percentile per-packet one-way delay: 2.076 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 865.06 Mbit/s
95th percentile per-packet one-way delay: 2.076 ms
Loss rate: 0.07%

Run 6: Report of FillP — Data Link

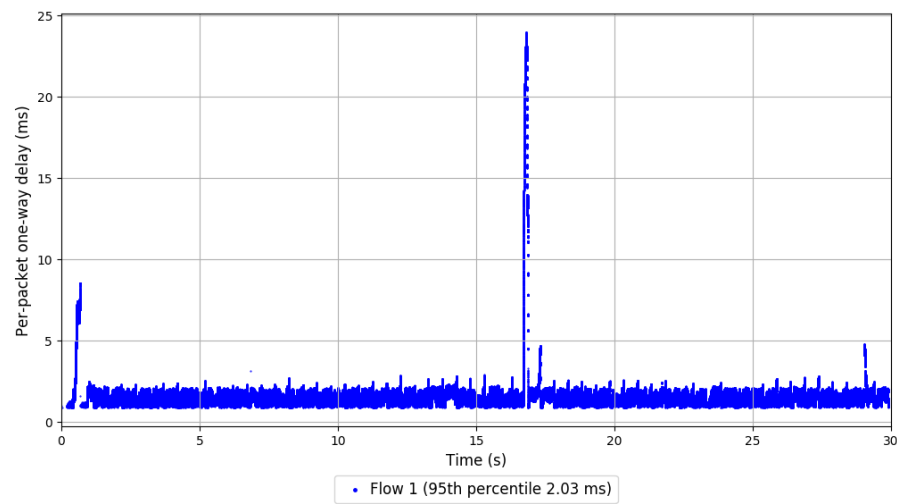
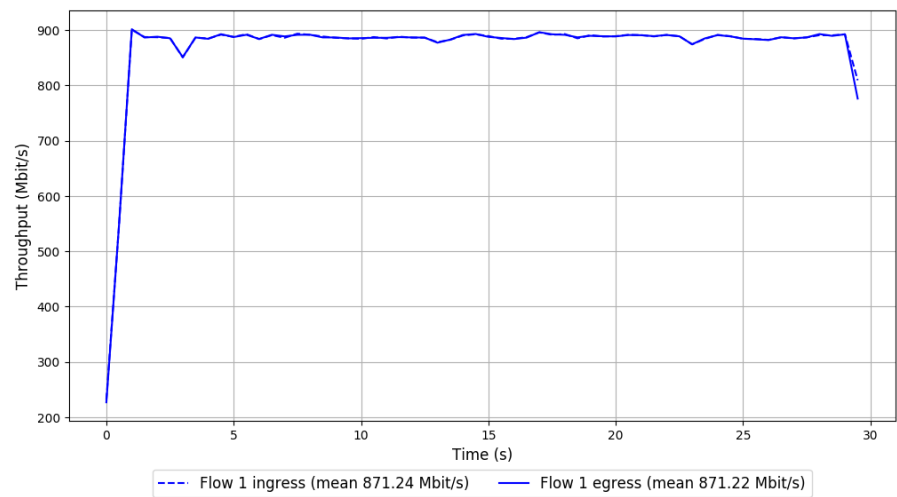


Run 7: Statistics of FillP

Start at: 2018-04-17 04:07:54
End at: 2018-04-17 04:08:24
Local clock offset: 0.506 ms
Remote clock offset: -5.034 ms

Below is generated by plot.py at 2018-04-17 11:22:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 871.22 Mbit/s
95th percentile per-packet one-way delay: 2.027 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 871.22 Mbit/s
95th percentile per-packet one-way delay: 2.027 ms
Loss rate: 0.07%

Run 7: Report of FillP — Data Link

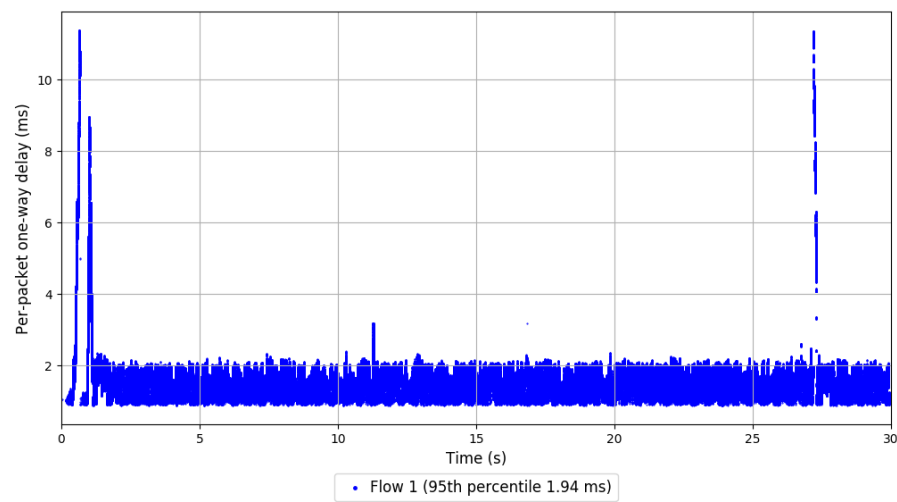
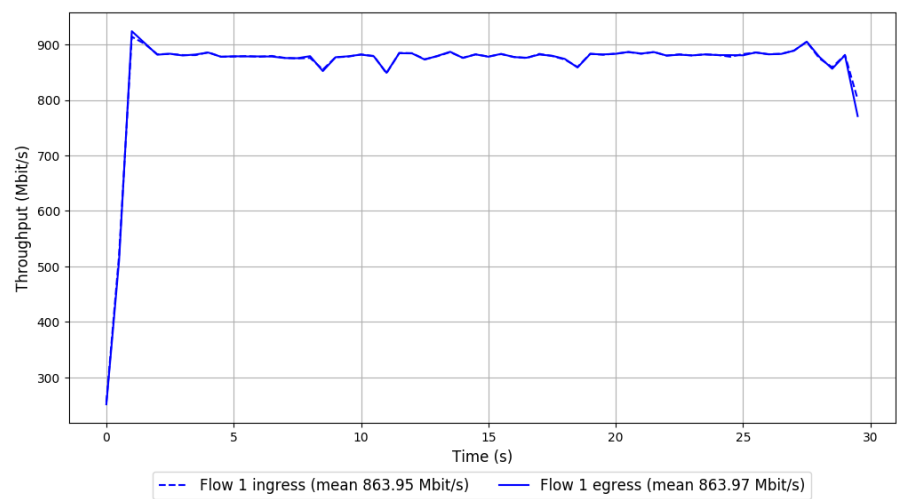


Run 8: Statistics of FillP

Start at: 2018-04-17 04:33:19
End at: 2018-04-17 04:33:49
Local clock offset: 0.339 ms
Remote clock offset: -4.972 ms

Below is generated by plot.py at 2018-04-17 11:22:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 863.97 Mbit/s
95th percentile per-packet one-way delay: 1.944 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 863.97 Mbit/s
95th percentile per-packet one-way delay: 1.944 ms
Loss rate: 0.06%

Run 8: Report of FillP — Data Link

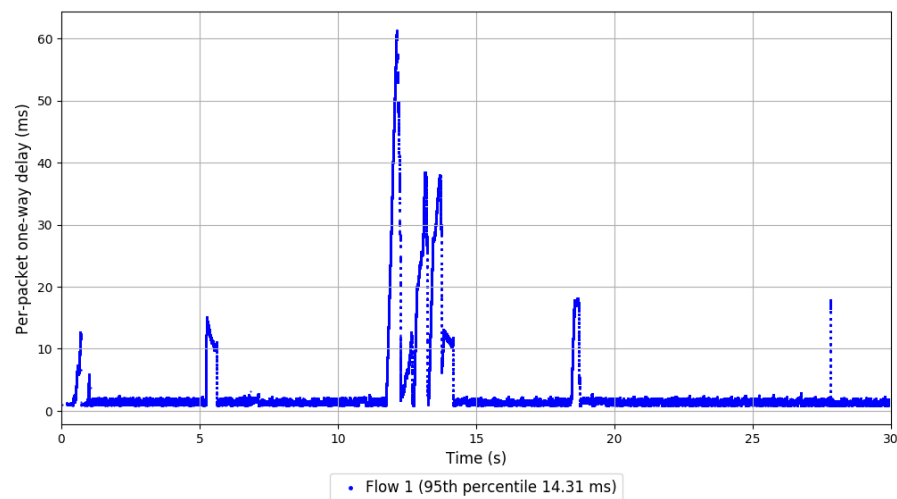
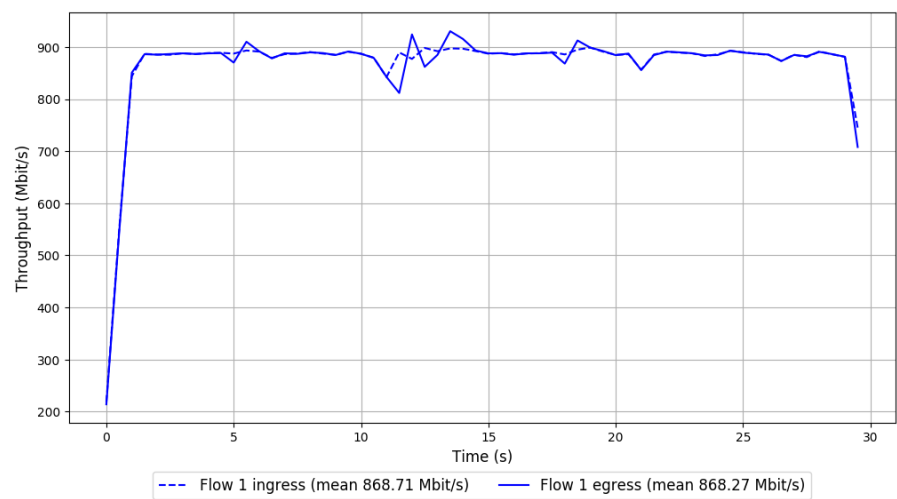


Run 9: Statistics of FillP

Start at: 2018-04-17 04:58:36
End at: 2018-04-17 04:59:06
Local clock offset: 0.203 ms
Remote clock offset: -4.814 ms

Below is generated by plot.py at 2018-04-17 11:34:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 868.27 Mbit/s
95th percentile per-packet one-way delay: 14.310 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 868.27 Mbit/s
95th percentile per-packet one-way delay: 14.310 ms
Loss rate: 0.12%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-04-17 05:23:45

End at: 2018-04-17 05:24:16

Local clock offset: -0.12 ms

Remote clock offset: -6.403 ms

Below is generated by plot.py at 2018-04-17 11:34:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 865.15 Mbit/s

95th percentile per-packet one-way delay: 1.884 ms

Loss rate: 0.08%

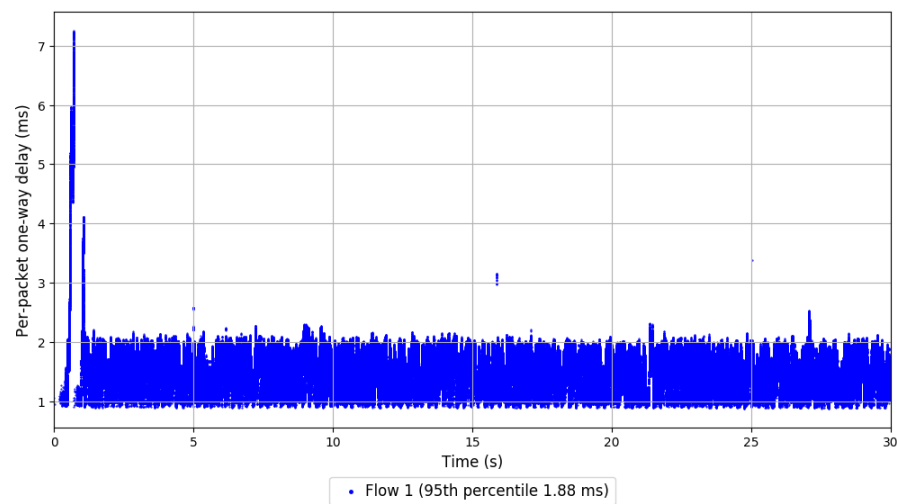
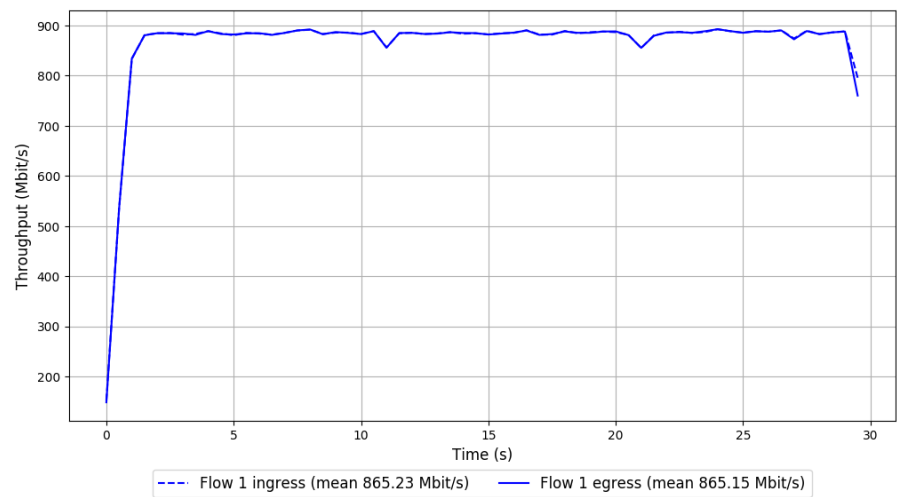
-- Flow 1:

Average throughput: 865.15 Mbit/s

95th percentile per-packet one-way delay: 1.884 ms

Loss rate: 0.08%

Run 10: Report of FillP — Data Link

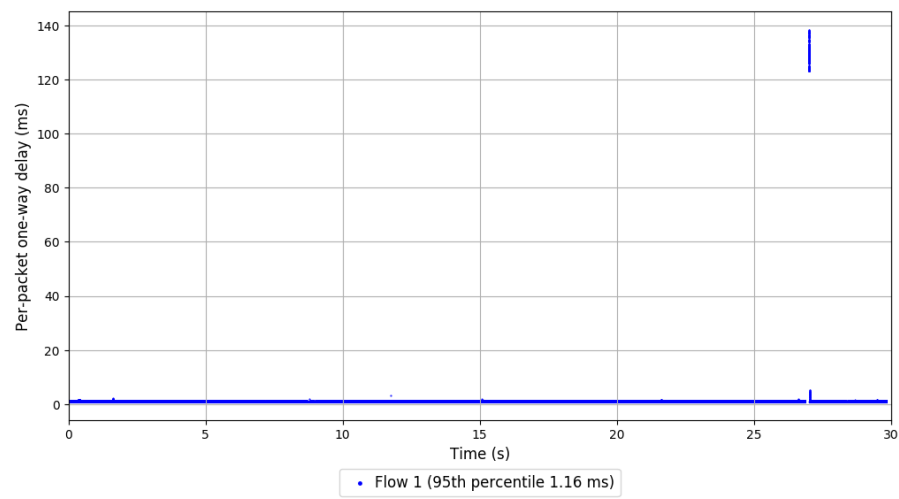
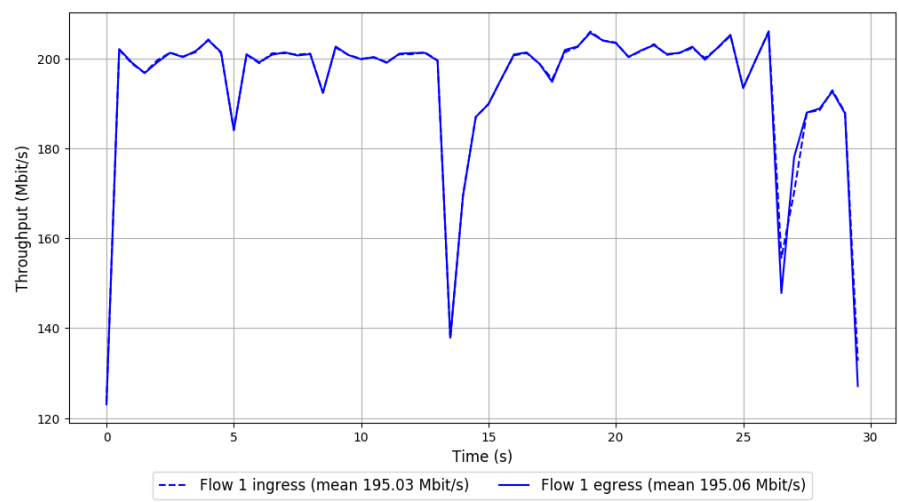


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-04-17 01:23:54
End at: 2018-04-17 01:24:24
Local clock offset: 0.772 ms
Remote clock offset: -6.366 ms

# Below is generated by plot.py at 2018-04-17 11:34:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 195.06 Mbit/s
95th percentile per-packet one-way delay: 1.159 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 195.06 Mbit/s
95th percentile per-packet one-way delay: 1.159 ms
Loss rate: 0.05%
```

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



Run 2: Statistics of Indigo-1-32

Start at: 2018-04-17 01:49:12

End at: 2018-04-17 01:49:42

Local clock offset: 0.127 ms

Remote clock offset: -6.087 ms

Below is generated by plot.py at 2018-04-17 11:34:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.49 Mbit/s

95th percentile per-packet one-way delay: 1.209 ms

Loss rate: 0.11%

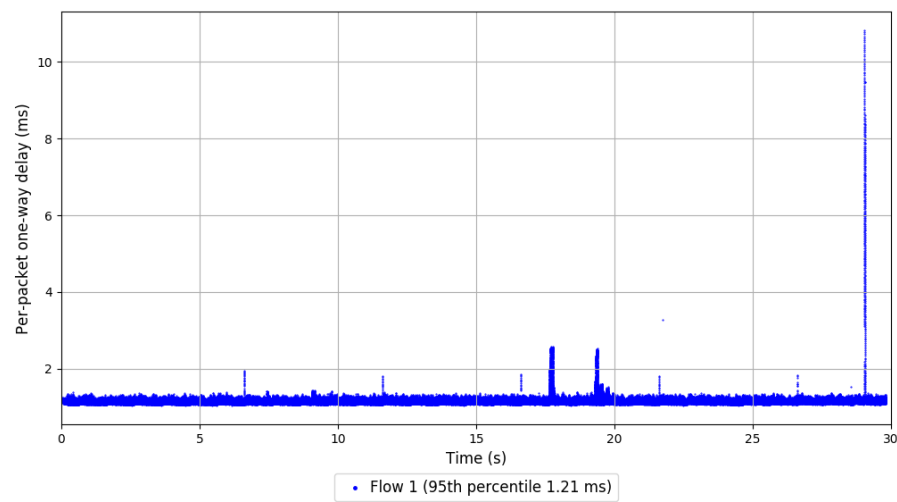
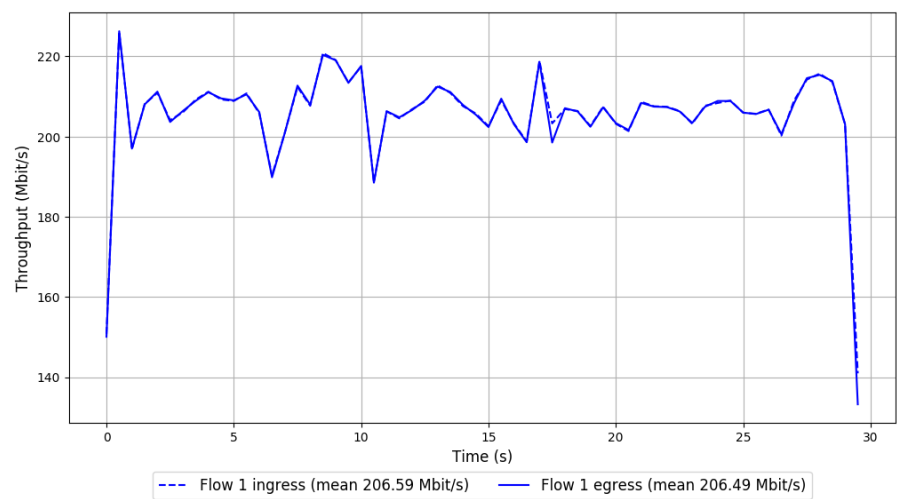
-- Flow 1:

Average throughput: 206.49 Mbit/s

95th percentile per-packet one-way delay: 1.209 ms

Loss rate: 0.11%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-04-17 02:14:37

End at: 2018-04-17 02:15:07

Local clock offset: 0.279 ms

Remote clock offset: -5.406 ms

Below is generated by plot.py at 2018-04-17 11:34:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 201.88 Mbit/s

95th percentile per-packet one-way delay: 1.266 ms

Loss rate: 0.08%

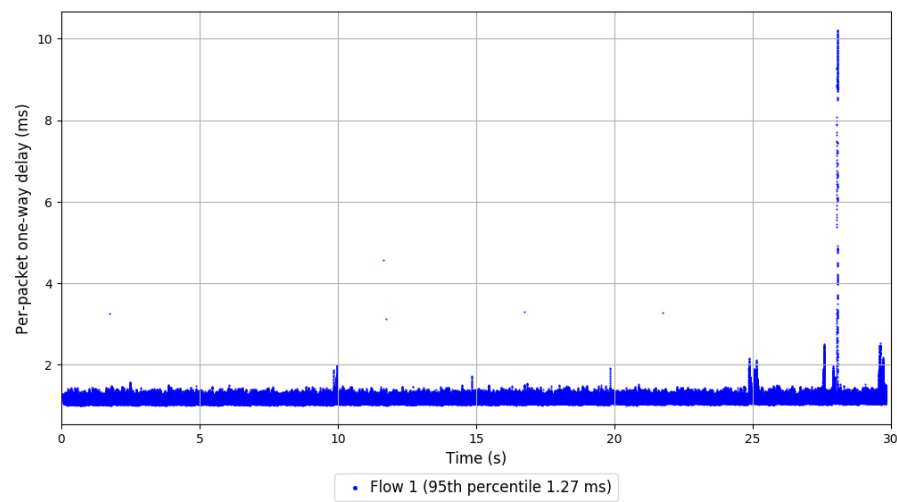
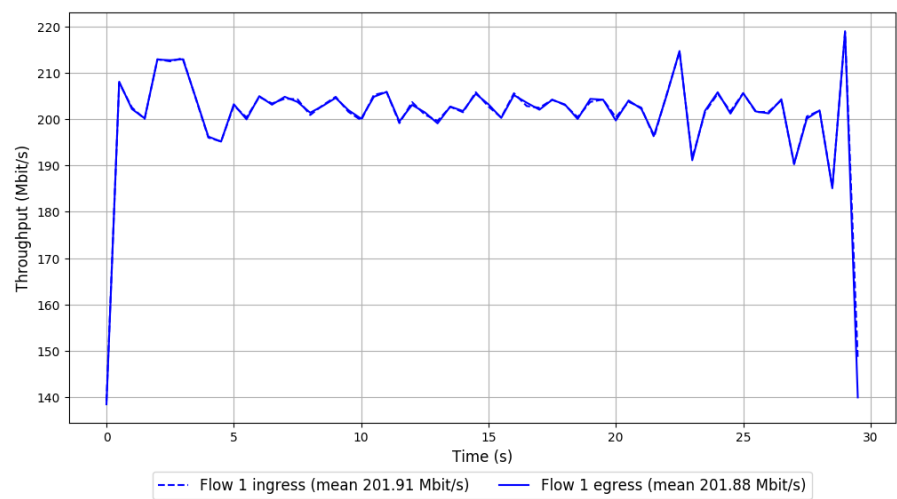
-- Flow 1:

Average throughput: 201.88 Mbit/s

95th percentile per-packet one-way delay: 1.266 ms

Loss rate: 0.08%

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

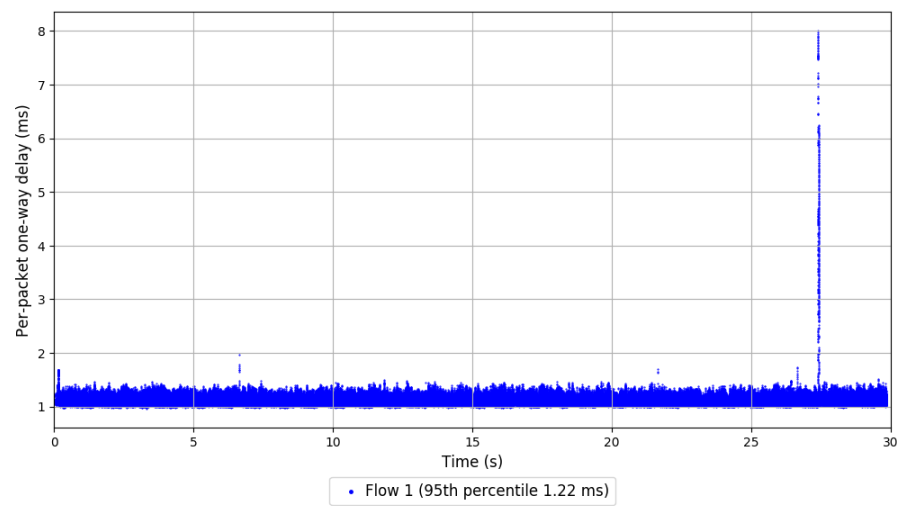
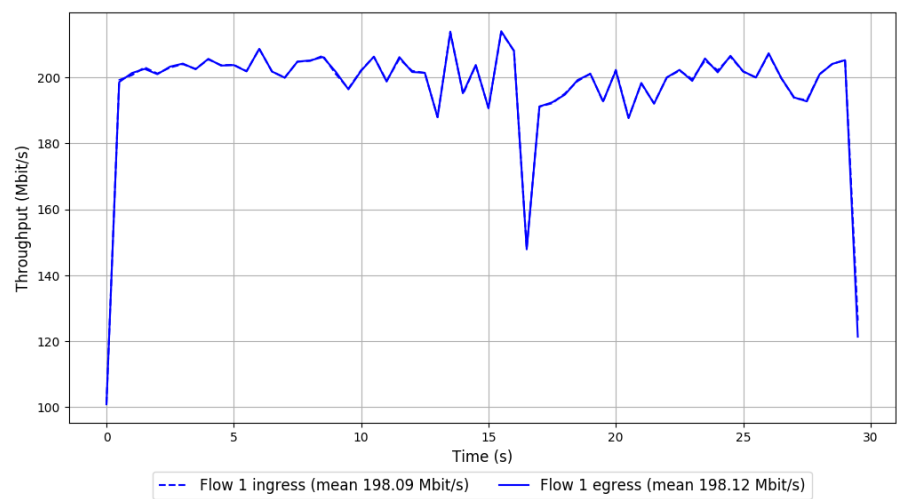


Run 4: Statistics of Indigo-1-32

Start at: 2018-04-17 02:39:49
End at: 2018-04-17 02:40:19
Local clock offset: 0.337 ms
Remote clock offset: -4.667 ms

Below is generated by plot.py at 2018-04-17 11:34:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 198.12 Mbit/s
95th percentile per-packet one-way delay: 1.219 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 198.12 Mbit/s
95th percentile per-packet one-way delay: 1.219 ms
Loss rate: 0.05%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-04-17 03:05:13

End at: 2018-04-17 03:05:43

Local clock offset: 0.284 ms

Remote clock offset: -6.326 ms

Below is generated by plot.py at 2018-04-17 11:34:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 201.37 Mbit/s

95th percentile per-packet one-way delay: 1.076 ms

Loss rate: 0.07%

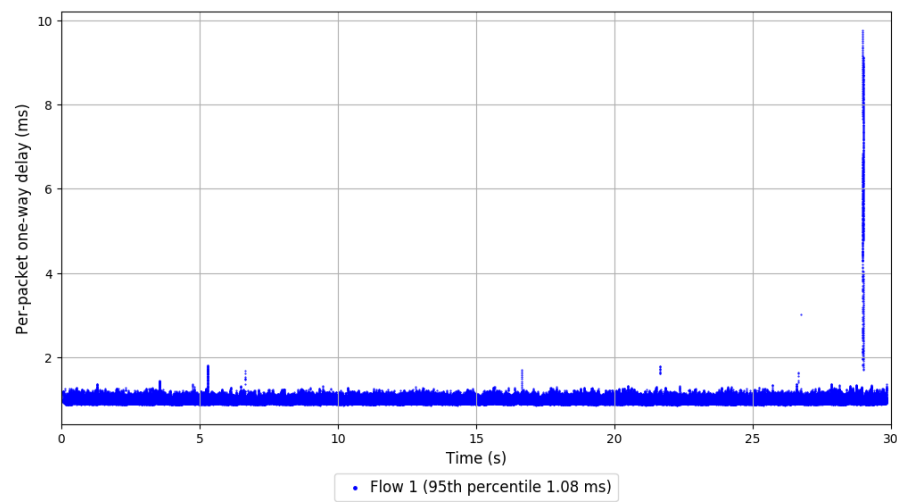
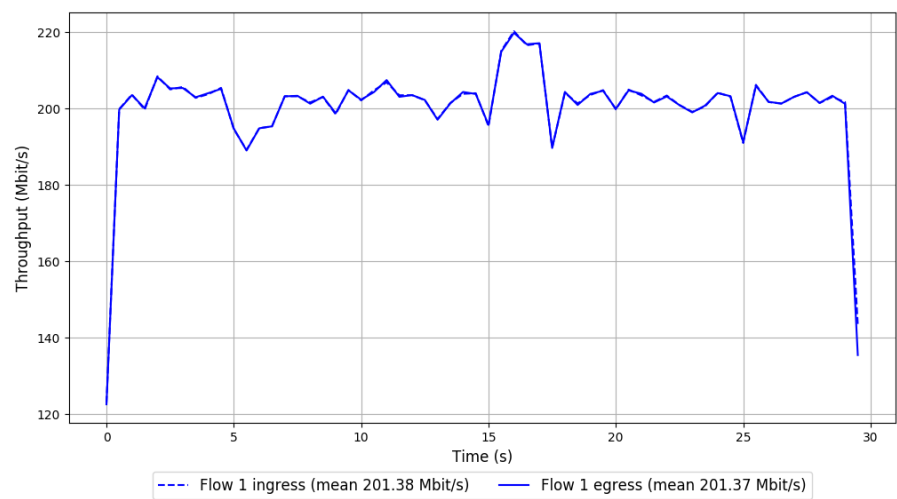
-- Flow 1:

Average throughput: 201.37 Mbit/s

95th percentile per-packet one-way delay: 1.076 ms

Loss rate: 0.07%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-04-17 03:30:39

End at: 2018-04-17 03:31:09

Local clock offset: 0.09 ms

Remote clock offset: -6.272 ms

Below is generated by plot.py at 2018-04-17 11:34:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 202.43 Mbit/s

95th percentile per-packet one-way delay: 1.234 ms

Loss rate: 0.07%

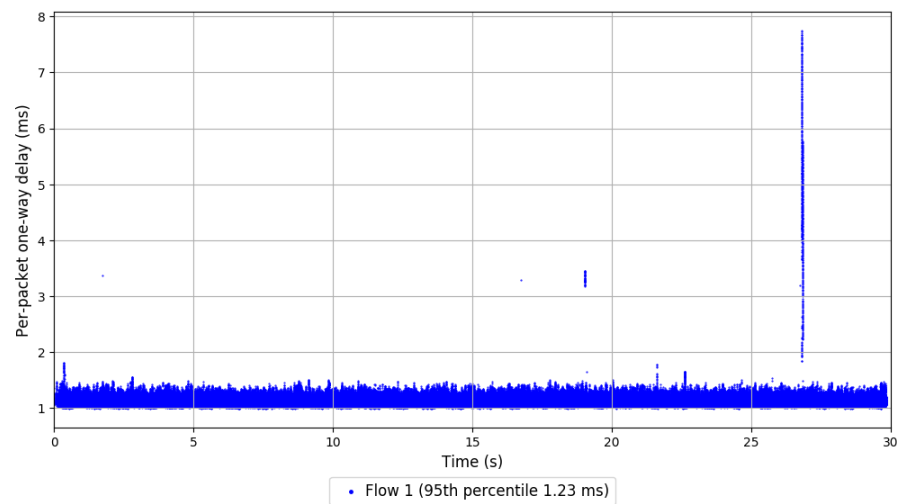
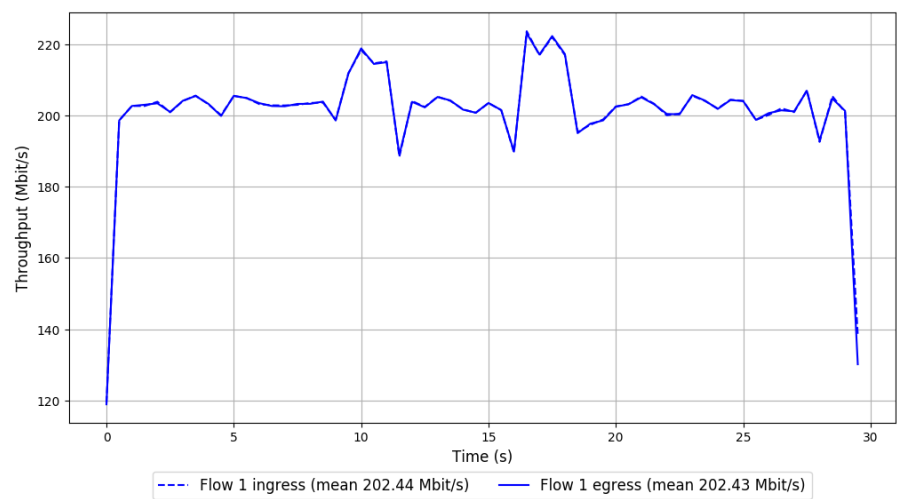
-- Flow 1:

Average throughput: 202.43 Mbit/s

95th percentile per-packet one-way delay: 1.234 ms

Loss rate: 0.07%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-04-17 03:55:57

End at: 2018-04-17 03:56:27

Local clock offset: 0.447 ms

Remote clock offset: -5.623 ms

Below is generated by plot.py at 2018-04-17 11:34:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 201.31 Mbit/s

95th percentile per-packet one-way delay: 1.273 ms

Loss rate: 0.07%

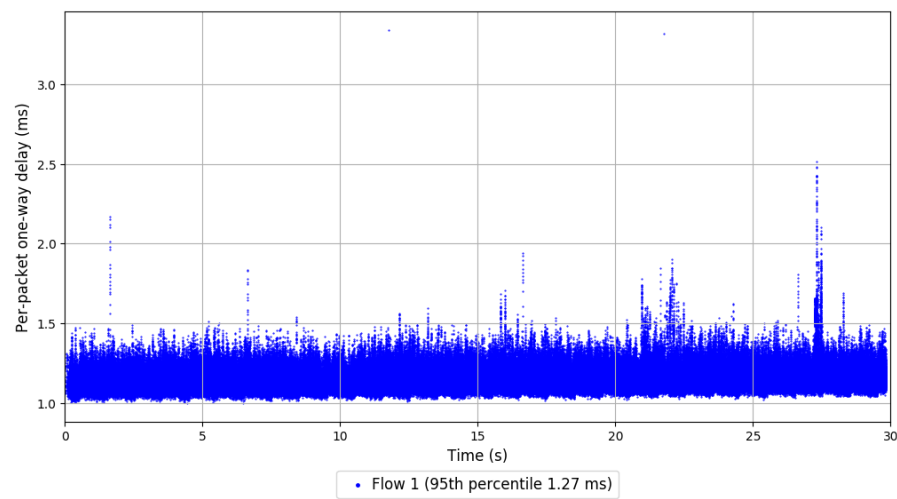
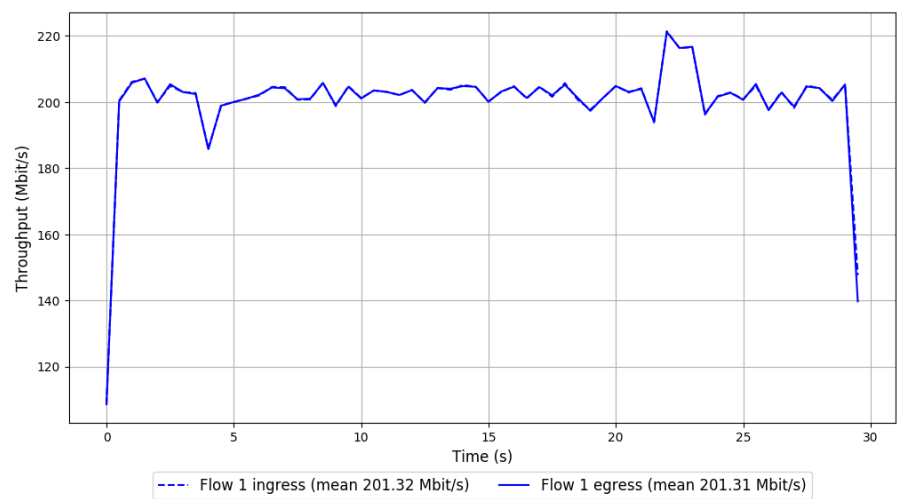
-- Flow 1:

Average throughput: 201.31 Mbit/s

95th percentile per-packet one-way delay: 1.273 ms

Loss rate: 0.07%

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

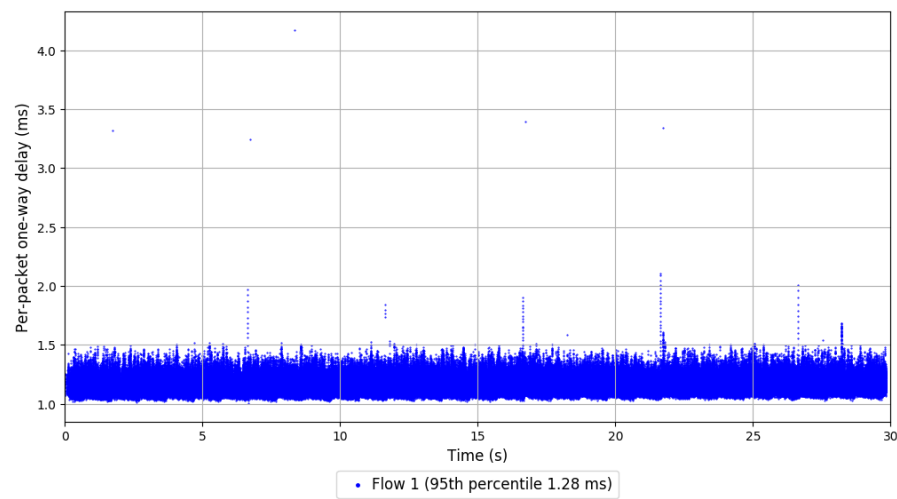
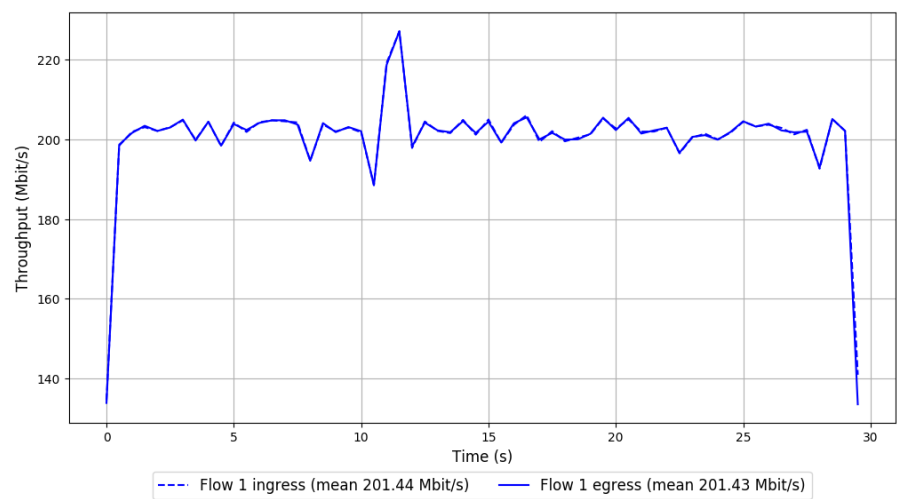


Run 8: Statistics of Indigo-1-32

Start at: 2018-04-17 04:21:19
End at: 2018-04-17 04:21:49
Local clock offset: 0.509 ms
Remote clock offset: -4.784 ms

Below is generated by plot.py at 2018-04-17 11:34:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 201.43 Mbit/s
95th percentile per-packet one-way delay: 1.282 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 201.43 Mbit/s
95th percentile per-packet one-way delay: 1.282 ms
Loss rate: 0.07%

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

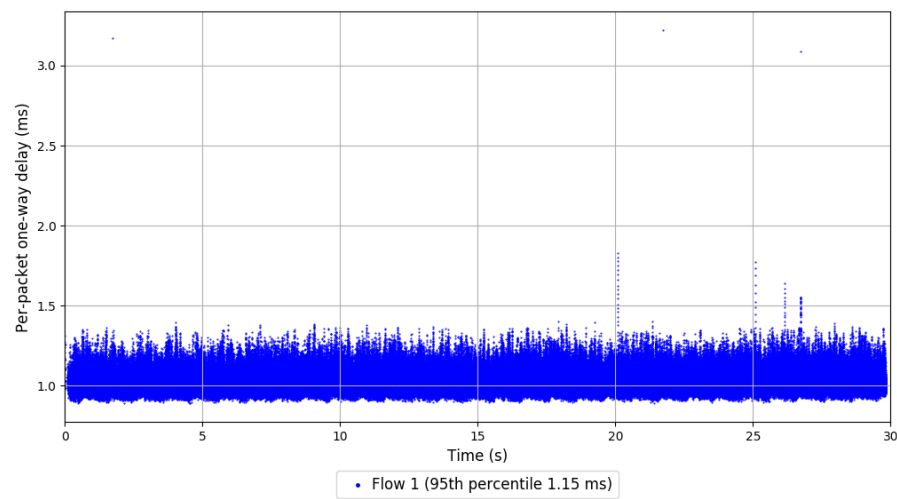
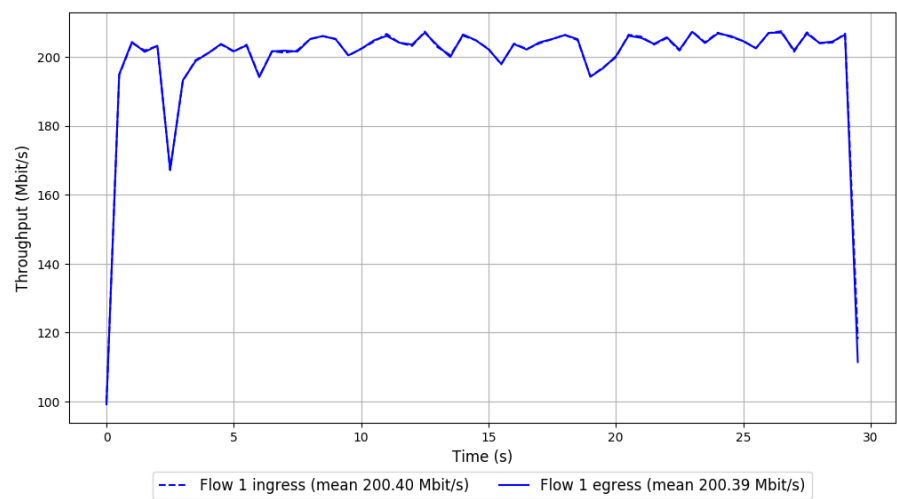


Run 9: Statistics of Indigo-1-32

Start at: 2018-04-17 04:46:47
End at: 2018-04-17 04:47:17
Local clock offset: 0.435 ms
Remote clock offset: -4.844 ms

Below is generated by plot.py at 2018-04-17 11:34:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 200.39 Mbit/s
95th percentile per-packet one-way delay: 1.151 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 200.39 Mbit/s
95th percentile per-packet one-way delay: 1.151 ms
Loss rate: 0.06%

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

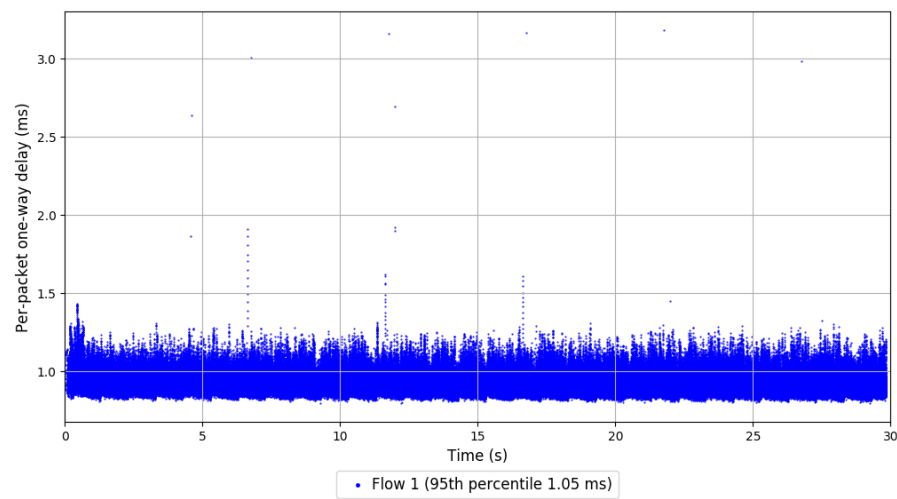
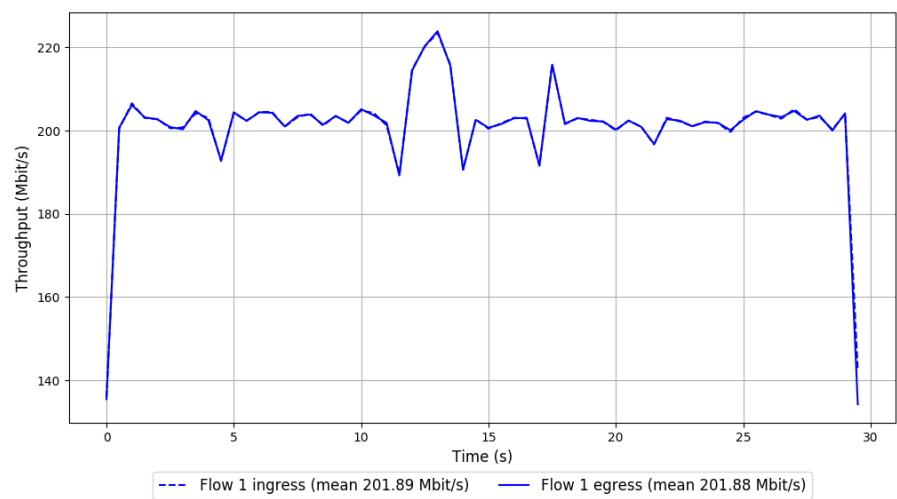


Run 10: Statistics of Indigo-1-32

Start at: 2018-04-17 05:11:55
End at: 2018-04-17 05:12:25
Local clock offset: -0.107 ms
Remote clock offset: -6.049 ms

Below is generated by plot.py at 2018-04-17 11:34:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 201.88 Mbit/s
95th percentile per-packet one-way delay: 1.049 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 201.88 Mbit/s
95th percentile per-packet one-way delay: 1.049 ms
Loss rate: 0.07%

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



Run 1: Statistics of PCC-Vivace

Start at: 2018-04-17 01:38:48

End at: 2018-04-17 01:39:18

Local clock offset: 0.251 ms

Remote clock offset: -6.189 ms

Below is generated by plot.py at 2018-04-17 11:34:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 330.02 Mbit/s

95th percentile per-packet one-way delay: 38.100 ms

Loss rate: 0.11%

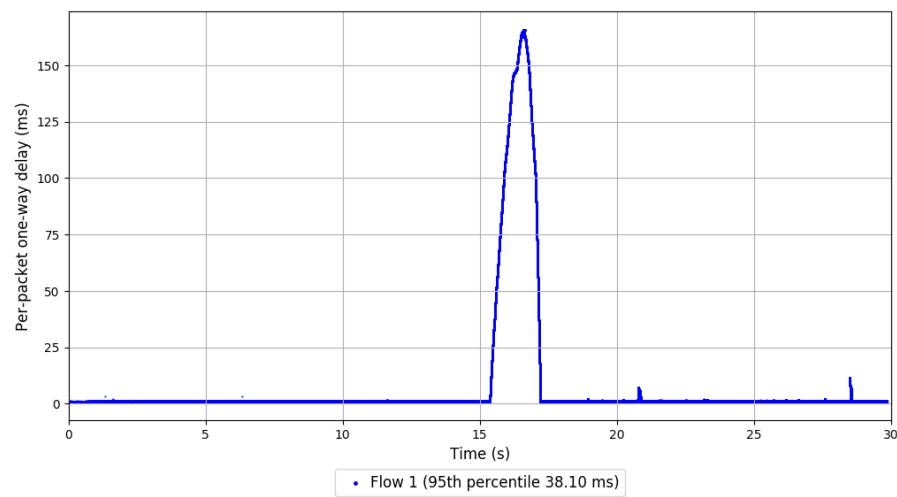
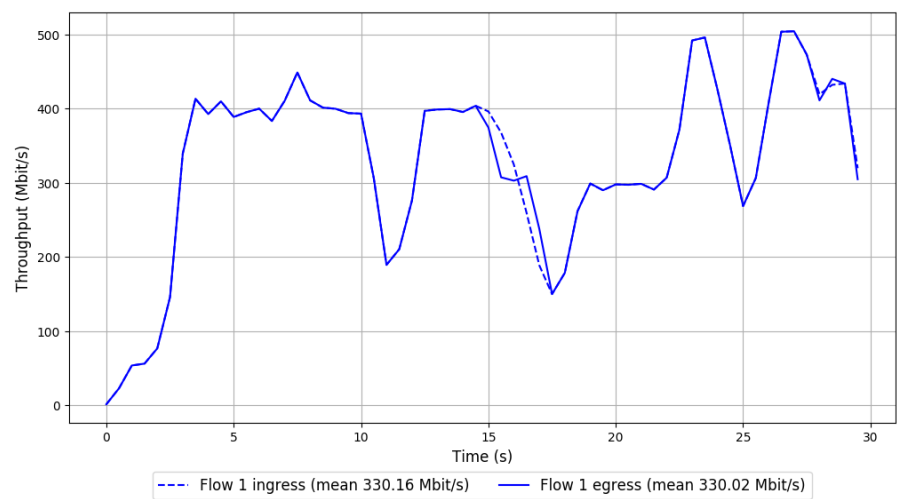
-- Flow 1:

Average throughput: 330.02 Mbit/s

95th percentile per-packet one-way delay: 38.100 ms

Loss rate: 0.11%

Run 1: Report of PCC-Vivace — Data Link

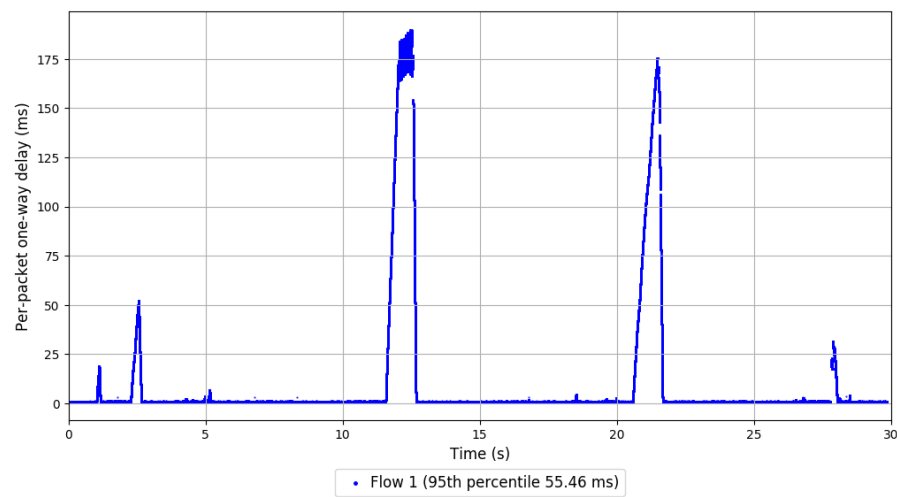
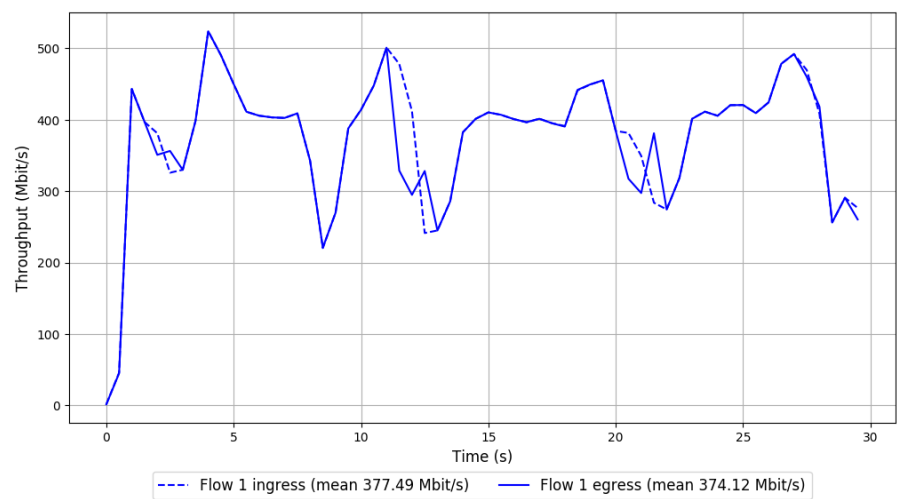


Run 2: Statistics of PCC-Vivace

Start at: 2018-04-17 02:04:11
End at: 2018-04-17 02:04:41
Local clock offset: 0.087 ms
Remote clock offset: -5.892 ms

Below is generated by plot.py at 2018-04-17 11:34:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 374.12 Mbit/s
95th percentile per-packet one-way delay: 55.464 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 374.12 Mbit/s
95th percentile per-packet one-way delay: 55.464 ms
Loss rate: 0.96%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-04-17 02:29:23

End at: 2018-04-17 02:29:53

Local clock offset: 0.268 ms

Remote clock offset: -4.866 ms

Below is generated by plot.py at 2018-04-17 11:34:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 406.45 Mbit/s

95th percentile per-packet one-way delay: 1.262 ms

Loss rate: 0.16%

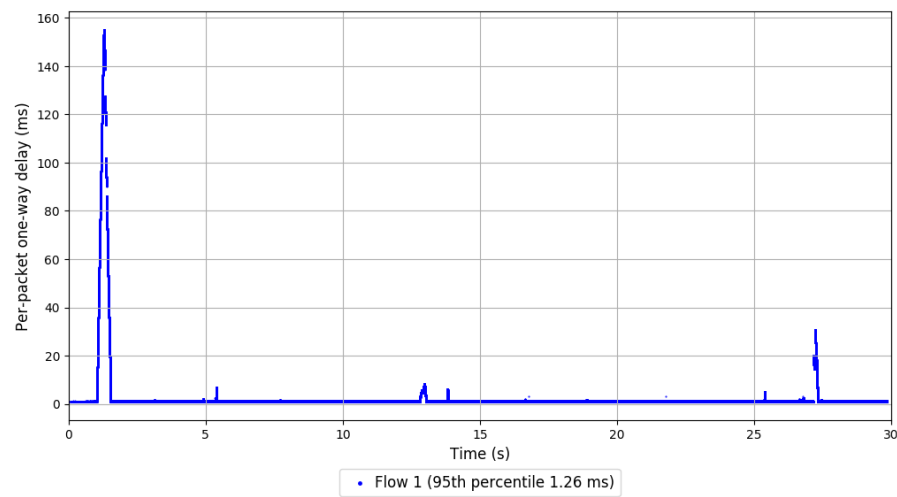
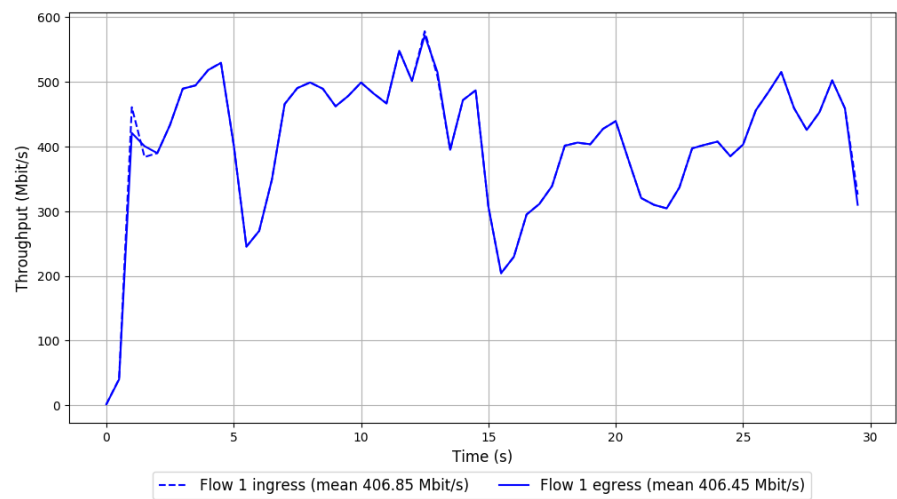
-- Flow 1:

Average throughput: 406.45 Mbit/s

95th percentile per-packet one-way delay: 1.262 ms

Loss rate: 0.16%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-04-17 02:54:47

End at: 2018-04-17 02:55:17

Local clock offset: 0.308 ms

Remote clock offset: -6.018 ms

Below is generated by plot.py at 2018-04-17 11:34:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 408.44 Mbit/s

95th percentile per-packet one-way delay: 116.062 ms

Loss rate: 0.23%

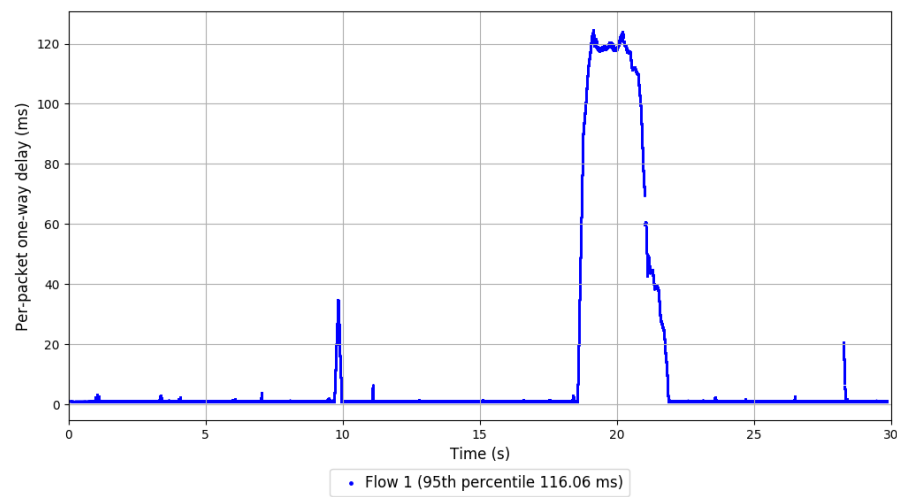
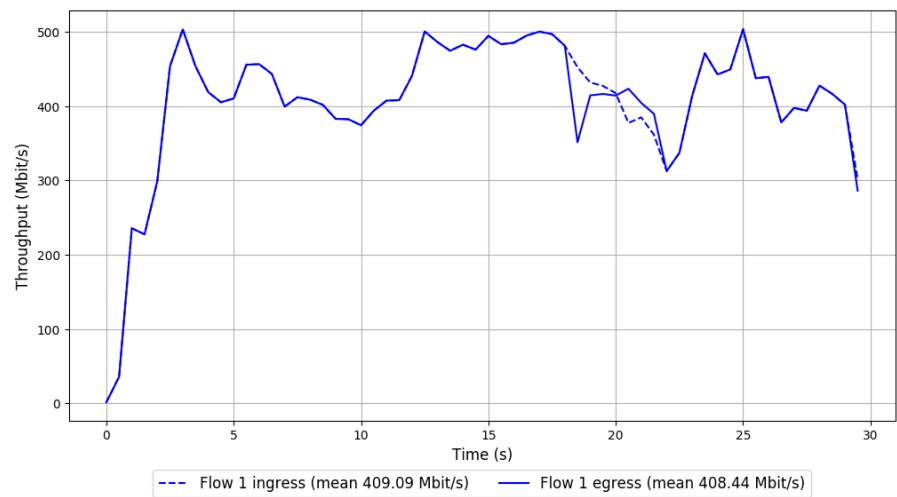
-- Flow 1:

Average throughput: 408.44 Mbit/s

95th percentile per-packet one-way delay: 116.062 ms

Loss rate: 0.23%

Run 4: Report of PCC-Vivace — Data Link

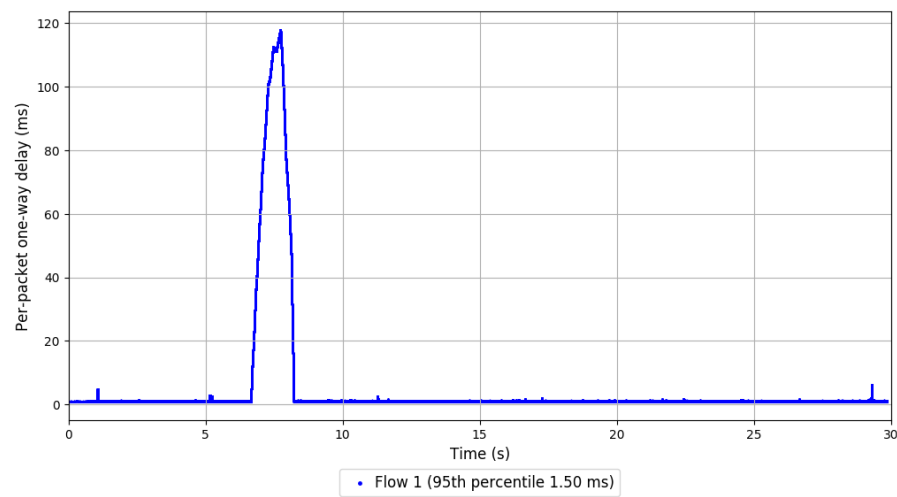
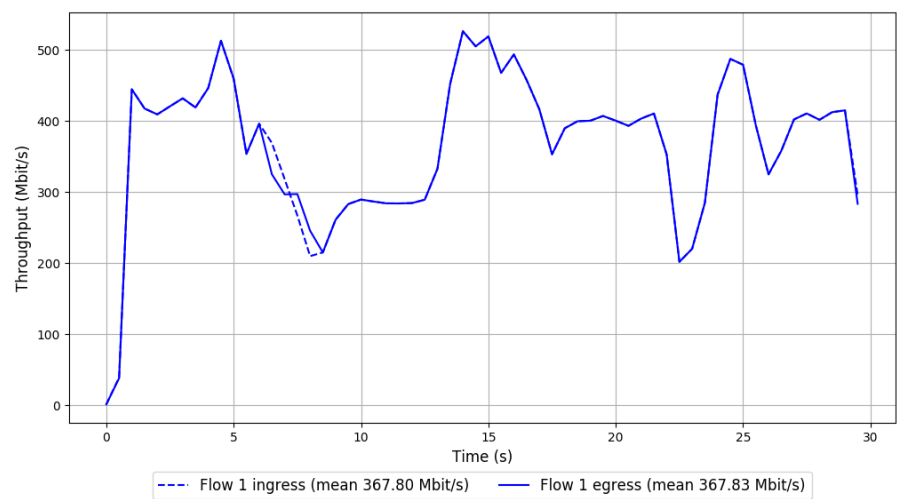


Run 5: Statistics of PCC-Vivace

Start at: 2018-04-17 03:20:12
End at: 2018-04-17 03:20:42
Local clock offset: 0.162 ms
Remote clock offset: -6.292 ms

Below is generated by plot.py at 2018-04-17 11:34:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 367.83 Mbit/s
95th percentile per-packet one-way delay: 1.502 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 367.83 Mbit/s
95th percentile per-packet one-way delay: 1.502 ms
Loss rate: 0.06%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-04-17 03:45:38

End at: 2018-04-17 03:46:08

Local clock offset: 0.23 ms

Remote clock offset: -6.232 ms

Below is generated by plot.py at 2018-04-17 11:34:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 369.05 Mbit/s

95th percentile per-packet one-way delay: 1.251 ms

Loss rate: 0.07%

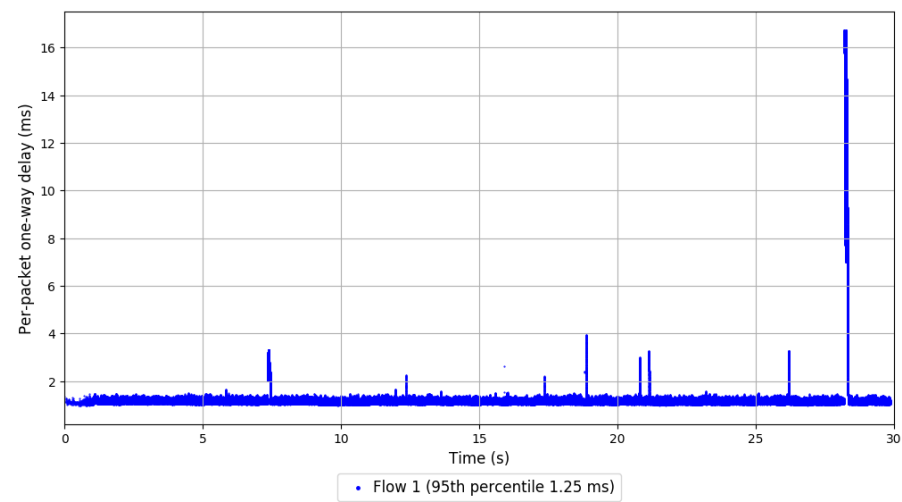
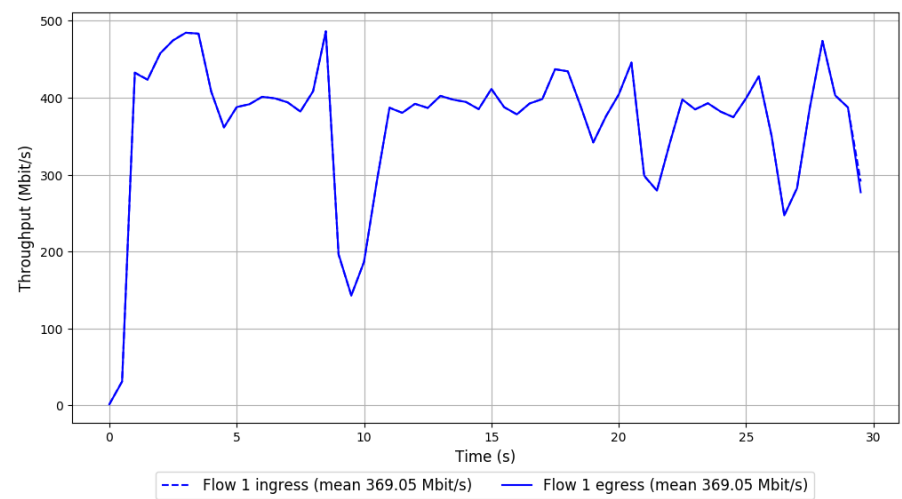
-- Flow 1:

Average throughput: 369.05 Mbit/s

95th percentile per-packet one-way delay: 1.251 ms

Loss rate: 0.07%

Run 6: Report of PCC-Vivace — Data Link

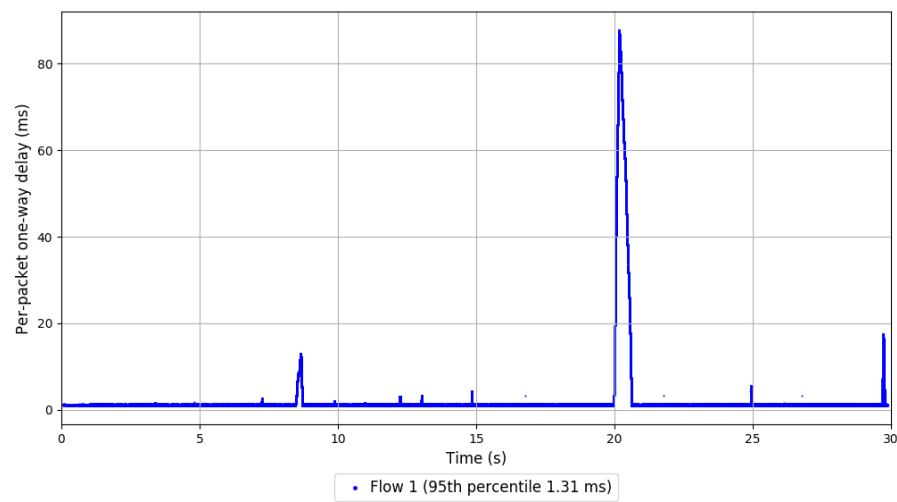
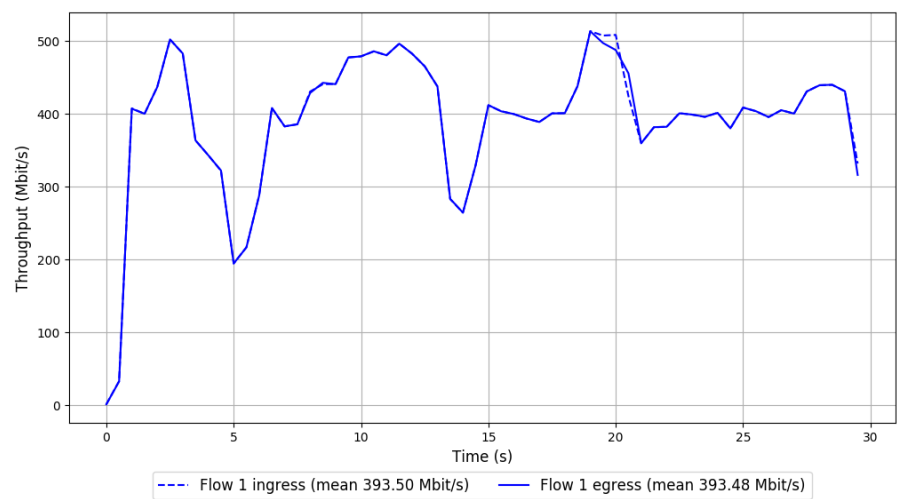


Run 7: Statistics of PCC-Vivace

Start at: 2018-04-17 04:10:53
End at: 2018-04-17 04:11:23
Local clock offset: 0.457 ms
Remote clock offset: -5.049 ms

Below is generated by plot.py at 2018-04-17 11:35:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 393.48 Mbit/s
95th percentile per-packet one-way delay: 1.306 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 393.48 Mbit/s
95th percentile per-packet one-way delay: 1.306 ms
Loss rate: 0.07%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-04-17 04:36:18

End at: 2018-04-17 04:36:48

Local clock offset: 0.386 ms

Remote clock offset: -4.989 ms

Below is generated by plot.py at 2018-04-17 11:35:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 416.61 Mbit/s

95th percentile per-packet one-way delay: 1.234 ms

Loss rate: 0.05%

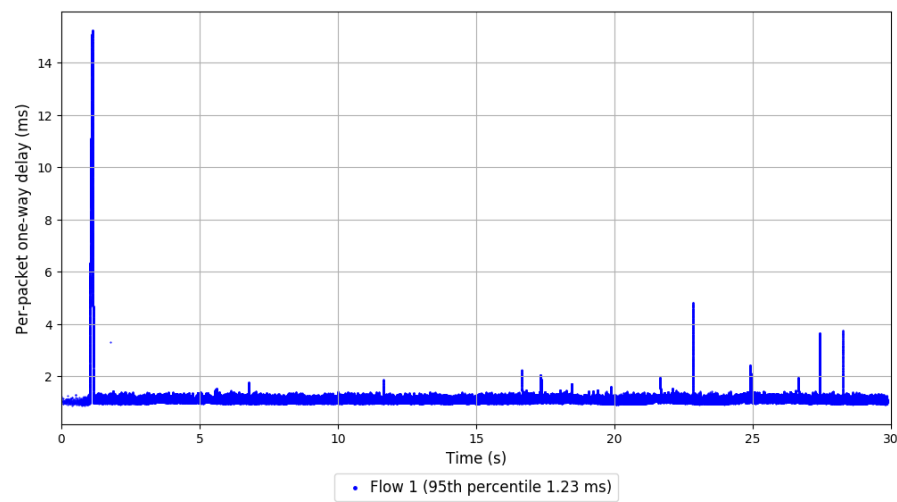
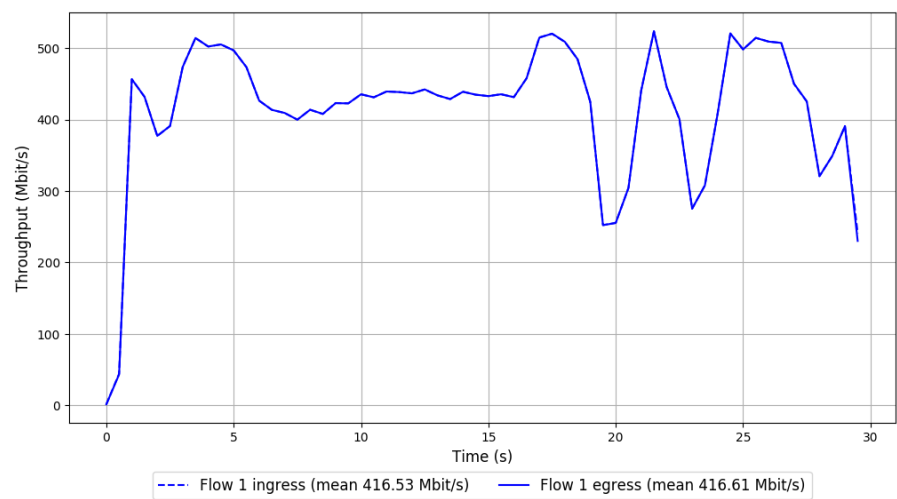
-- Flow 1:

Average throughput: 416.61 Mbit/s

95th percentile per-packet one-way delay: 1.234 ms

Loss rate: 0.05%

Run 8: Report of PCC-Vivace — Data Link

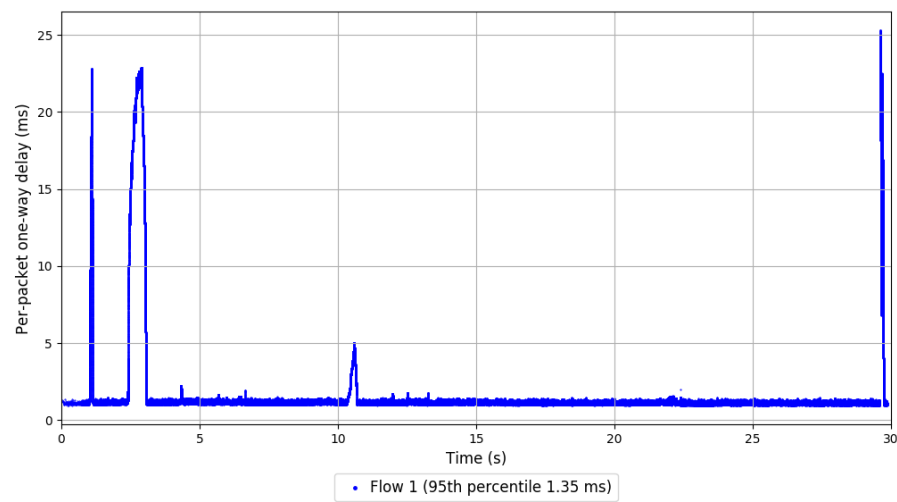
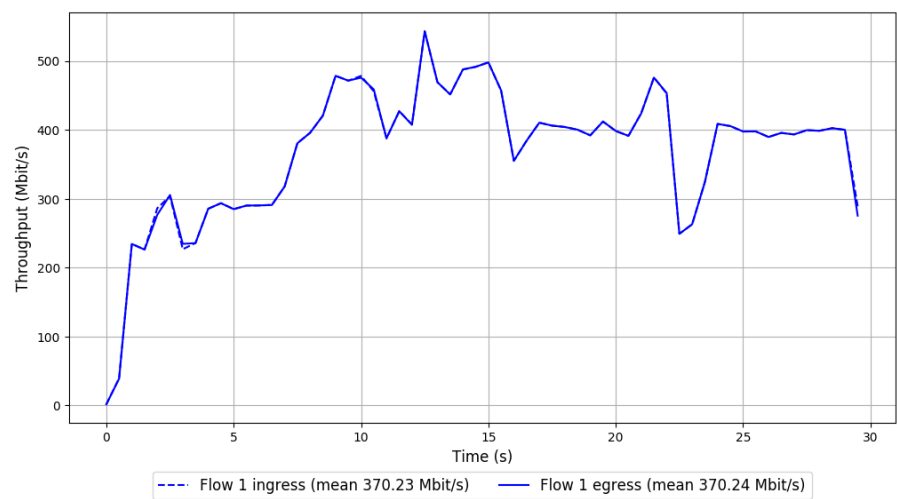


Run 9: Statistics of PCC-Vivace

Start at: 2018-04-17 05:01:35
End at: 2018-04-17 05:02:05
Local clock offset: 0.113 ms
Remote clock offset: -5.338 ms

Below is generated by plot.py at 2018-04-17 11:36:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 370.24 Mbit/s
95th percentile per-packet one-way delay: 1.354 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 370.24 Mbit/s
95th percentile per-packet one-way delay: 1.354 ms
Loss rate: 0.06%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-04-17 05:26:44

End at: 2018-04-17 05:27:14

Local clock offset: -0.152 ms

Remote clock offset: -6.49 ms

Below is generated by plot.py at 2018-04-17 11:36:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 422.81 Mbit/s

95th percentile per-packet one-way delay: 1.145 ms

Loss rate: 0.08%

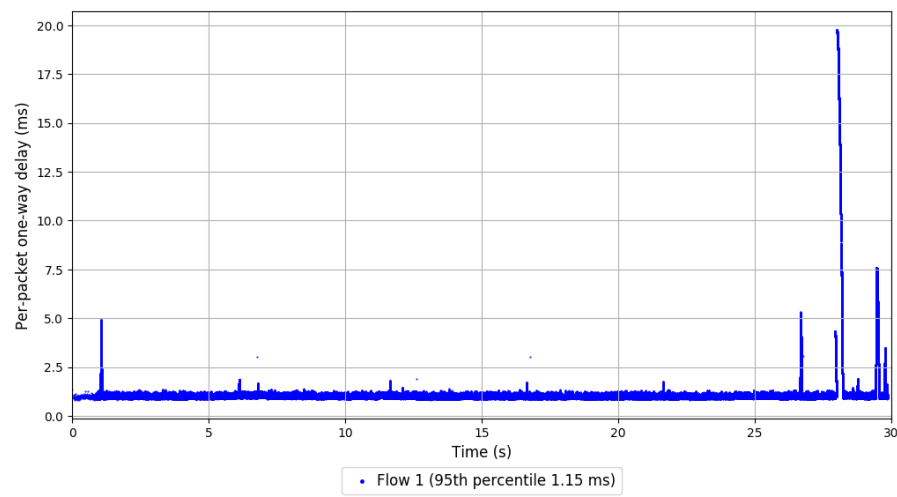
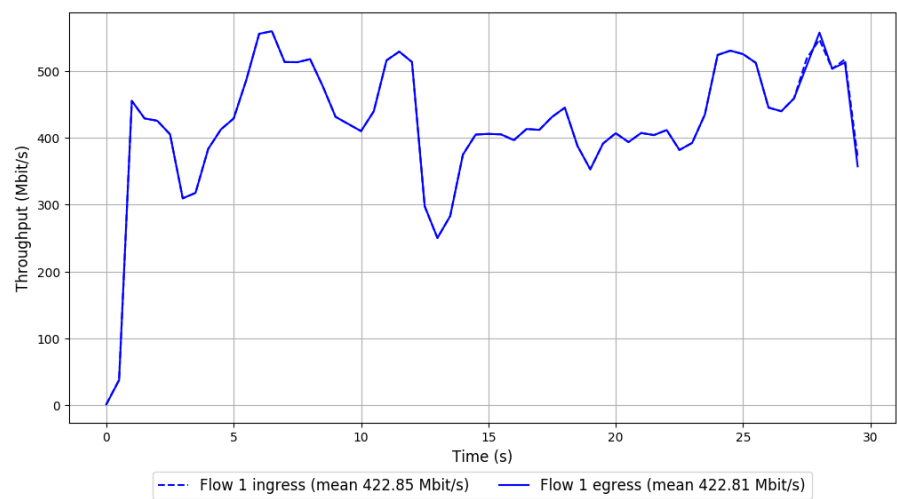
-- Flow 1:

Average throughput: 422.81 Mbit/s

95th percentile per-packet one-way delay: 1.145 ms

Loss rate: 0.08%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-04-17 01:46:22
End at: 2018-04-17 01:46:52
Local clock offset: 0.07 ms
Remote clock offset: -6.121 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 02:11:46

End at: 2018-04-17 02:12:16

Local clock offset: 0.181 ms

Remote clock offset: -5.574 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 02:36:57

End at: 2018-04-17 02:37:27

Local clock offset: 0.295 ms

Remote clock offset: -4.739 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 03:02:22

End at: 2018-04-17 03:02:52

Local clock offset: 0.366 ms

Remote clock offset: -6.163 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 03:27:46

End at: 2018-04-17 03:28:16

Local clock offset: 0.034 ms

Remote clock offset: -6.21 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 03:53:10

End at: 2018-04-17 03:53:40

Local clock offset: 0.406 ms

Remote clock offset: -5.855 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 04:18:27

End at: 2018-04-17 04:18:57

Local clock offset: 0.546 ms

Remote clock offset: -4.85 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 04:43:56

End at: 2018-04-17 04:44:26

Local clock offset: 0.444 ms

Remote clock offset: -4.932 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 05:09:07

End at: 2018-04-17 05:09:37

Local clock offset: -0.069 ms

Remote clock offset: -5.991 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 05:34:18

End at: 2018-04-17 05:34:48

Local clock offset: -0.054 ms

Remote clock offset: -6.389 ms

Run 10: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing