

Pantheon Report

Generated at 2018-08-01 06:11:47 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

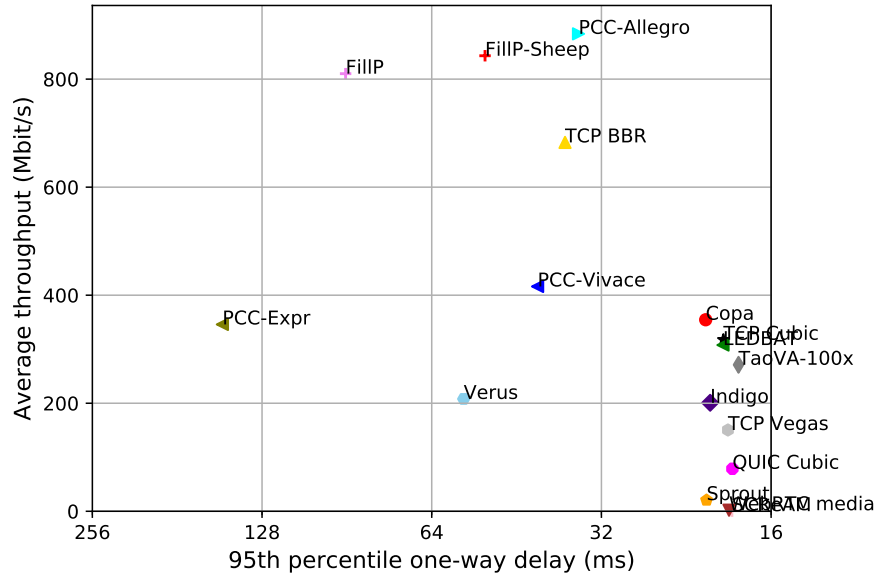
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

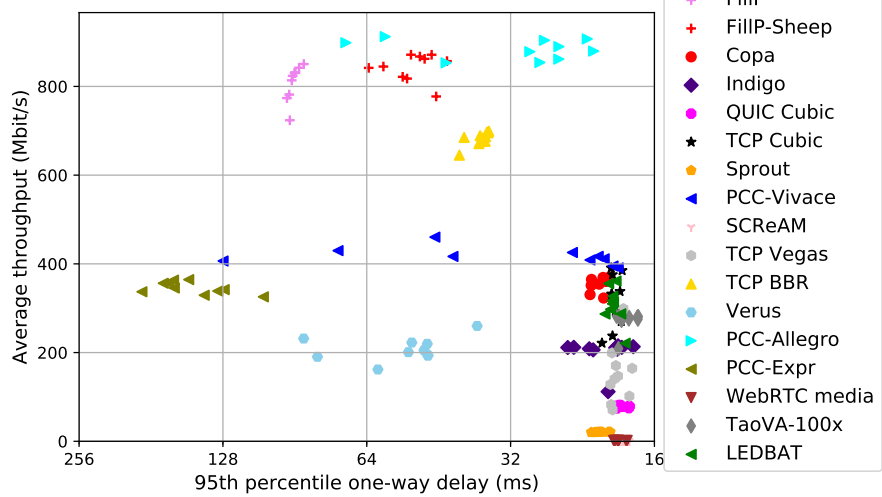
Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
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-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



test from AWS California 1 to Stanford, 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	682.87	37.13	0.52
Copa	10	354.53	20.90	0.04
TCP Cubic	10	317.54	19.45	0.07
FillP	10	810.09	90.98	4.50
FillP-Sheep	10	843.27	51.48	5.04
Indigo	10	200.86	20.52	0.01
LEDBAT	10	307.74	19.48	0.01
PCC-Allegro	10	883.80	35.14	0.70
PCC-Expr	10	345.88	150.52	1.45
QUIC Cubic	10	78.67	18.74	0.01
SCReAM	10	0.22	18.78	0.00
Sprout	10	20.69	20.83	0.02
TaoVA-100x	10	271.18	18.28	0.03
TCP Vegas	10	150.46	19.08	0.02
Verus	10	207.98	56.17	18.55
PCC-Vivace	10	416.18	41.53	0.25
WebRTC media	10	1.97	19.00	0.01

Run 1: Statistics of TCP BBR

Start at: 2018-08-01 00:21:44

End at: 2018-08-01 00:22:14

Local clock offset: -7.929 ms

Remote clock offset: -2.34 ms

Below is generated by plot.py at 2018-08-01 04:37:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 645.06 Mbit/s

95th percentile per-packet one-way delay: 40.951 ms

Loss rate: 0.44%

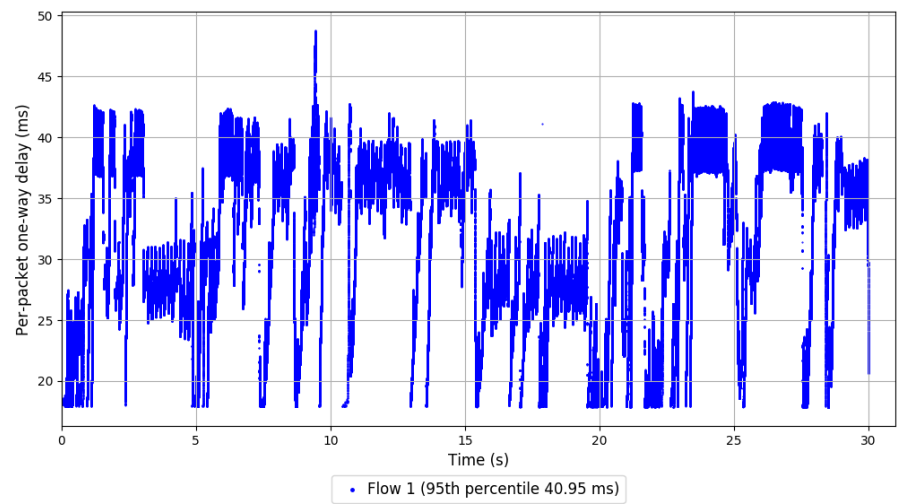
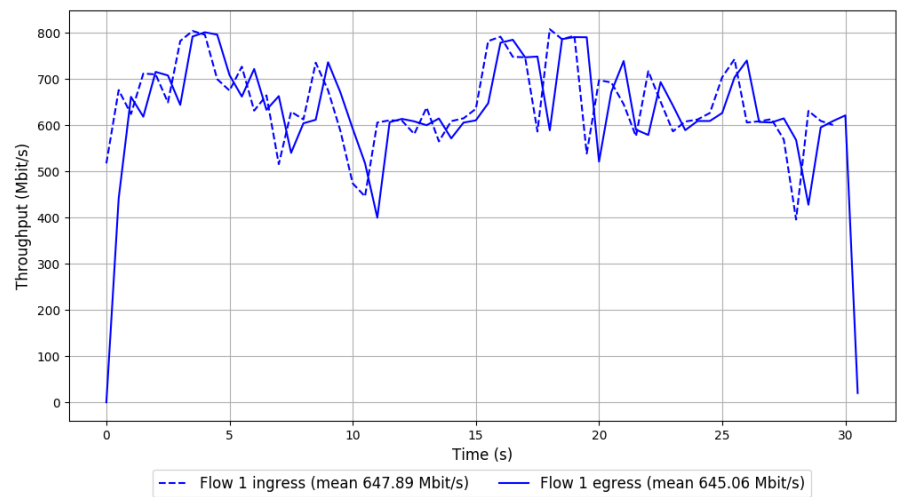
-- Flow 1:

Average throughput: 645.06 Mbit/s

95th percentile per-packet one-way delay: 40.951 ms

Loss rate: 0.44%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-08-01 00:47:06

End at: 2018-08-01 00:47:36

Local clock offset: 1.29 ms

Remote clock offset: 0.87 ms

Below is generated by plot.py at 2018-08-01 04:37:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 685.02 Mbit/s

95th percentile per-packet one-way delay: 40.032 ms

Loss rate: 0.32%

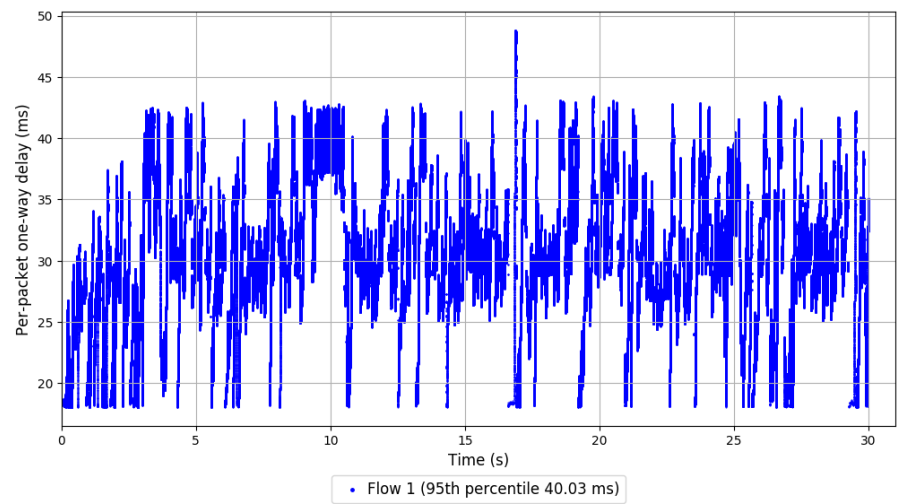
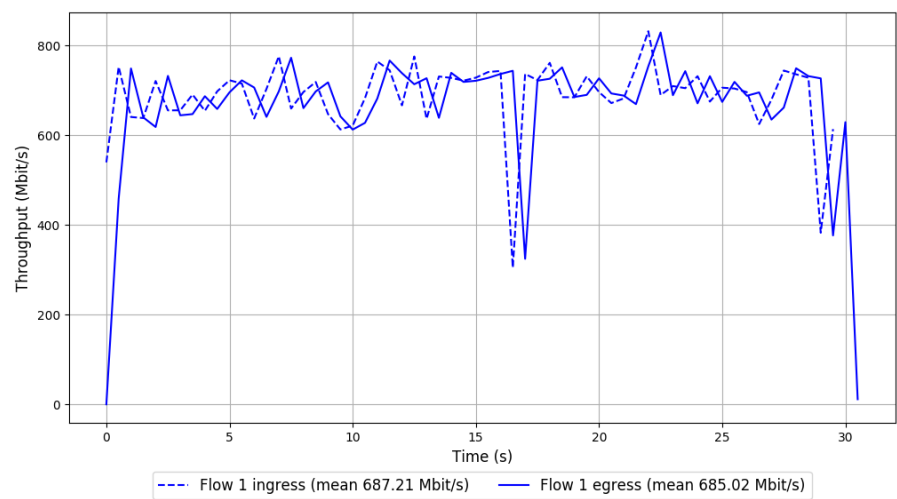
-- Flow 1:

Average throughput: 685.02 Mbit/s

95th percentile per-packet one-way delay: 40.032 ms

Loss rate: 0.32%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-08-01 01:12:53

End at: 2018-08-01 01:13:23

Local clock offset: 1.196 ms

Remote clock offset: 0.973 ms

Below is generated by plot.py at 2018-08-01 04:37:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 676.28 Mbit/s

95th percentile per-packet one-way delay: 36.178 ms

Loss rate: 0.72%

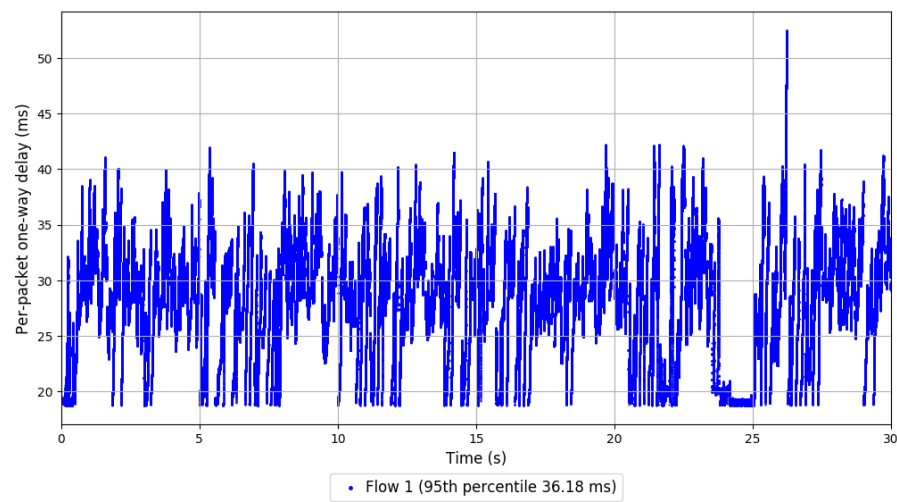
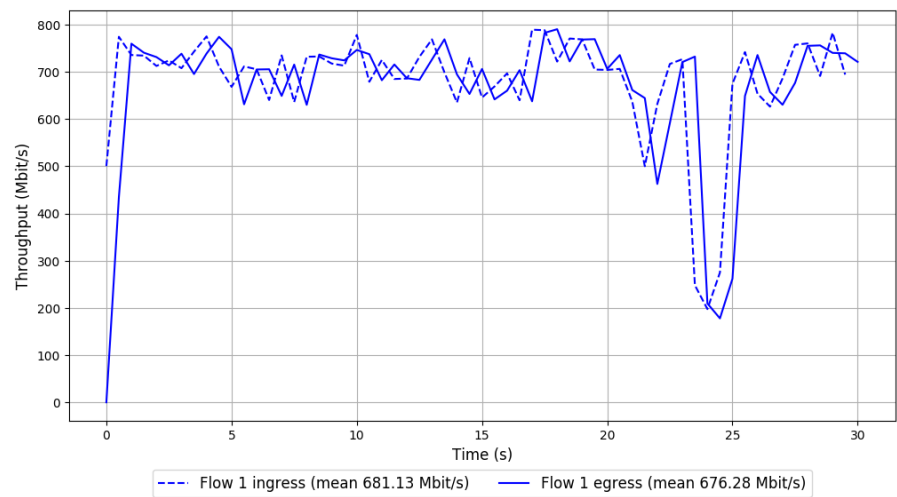
-- Flow 1:

Average throughput: 676.28 Mbit/s

95th percentile per-packet one-way delay: 36.178 ms

Loss rate: 0.72%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-08-01 01:38:31

End at: 2018-08-01 01:39:01

Local clock offset: 0.577 ms

Remote clock offset: 0.791 ms

Below is generated by plot.py at 2018-08-01 04:37:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 689.01 Mbit/s

95th percentile per-packet one-way delay: 37.065 ms

Loss rate: 0.64%

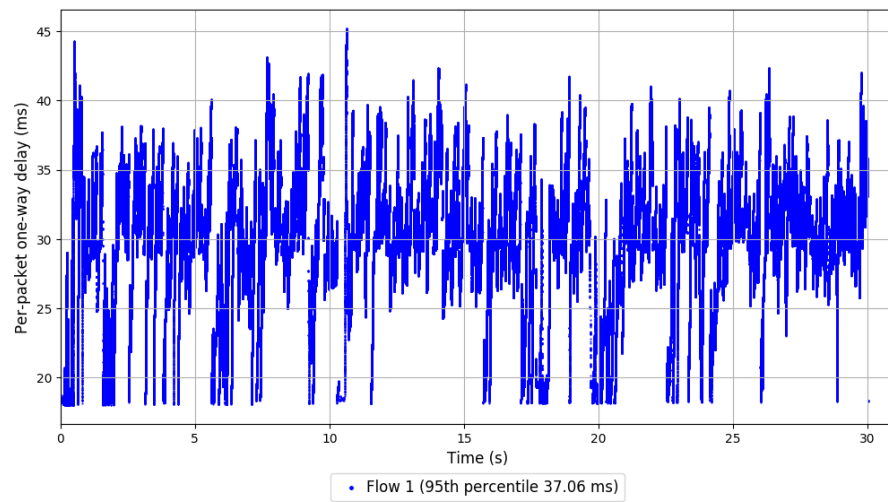
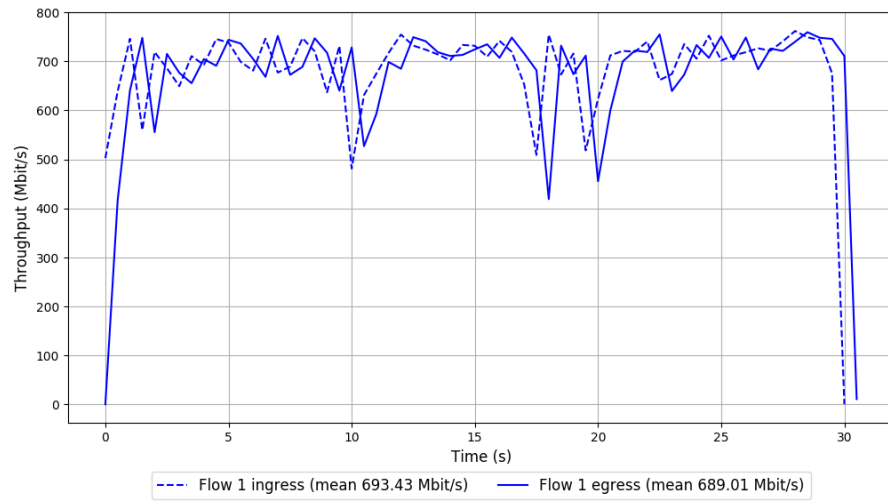
-- Flow 1:

Average throughput: 689.01 Mbit/s

95th percentile per-packet one-way delay: 37.065 ms

Loss rate: 0.64%

Run 4: Report of TCP BBR — Data Link

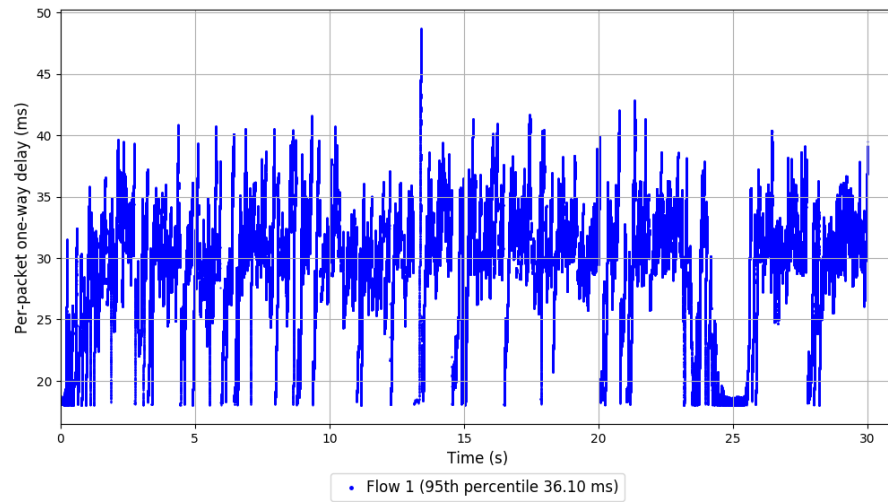
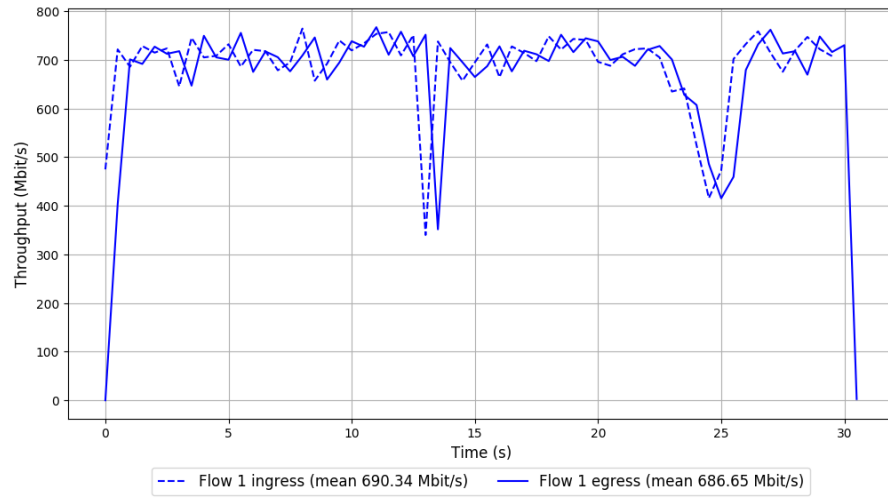


Run 5: Statistics of TCP BBR

Start at: 2018-08-01 02:04:01
End at: 2018-08-01 02:04:31
Local clock offset: 0.48 ms
Remote clock offset: -3.836 ms

Below is generated by plot.py at 2018-08-01 04:37:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 686.65 Mbit/s
95th percentile per-packet one-way delay: 36.096 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 686.65 Mbit/s
95th percentile per-packet one-way delay: 36.096 ms
Loss rate: 0.53%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-08-01 02:29:30

End at: 2018-08-01 02:30:00

Local clock offset: -1.55 ms

Remote clock offset: -0.55 ms

Below is generated by plot.py at 2018-08-01 04:37:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 699.08 Mbit/s

95th percentile per-packet one-way delay: 35.535 ms

Loss rate: 0.50%

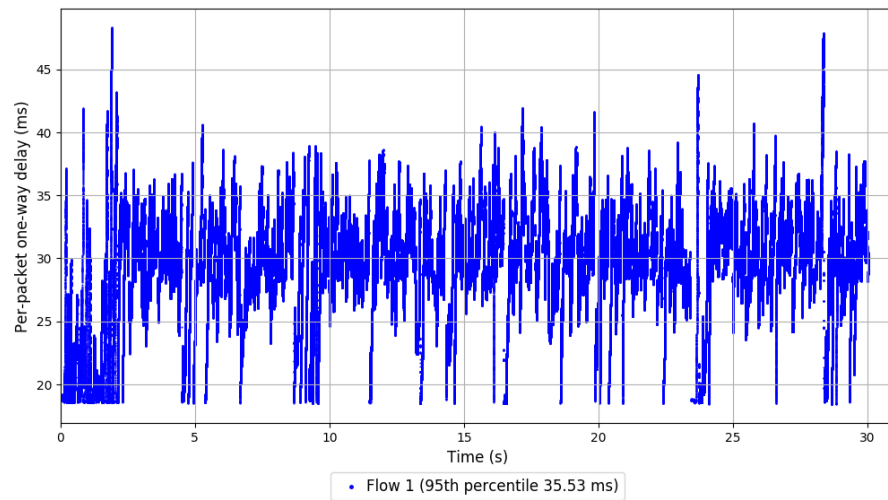
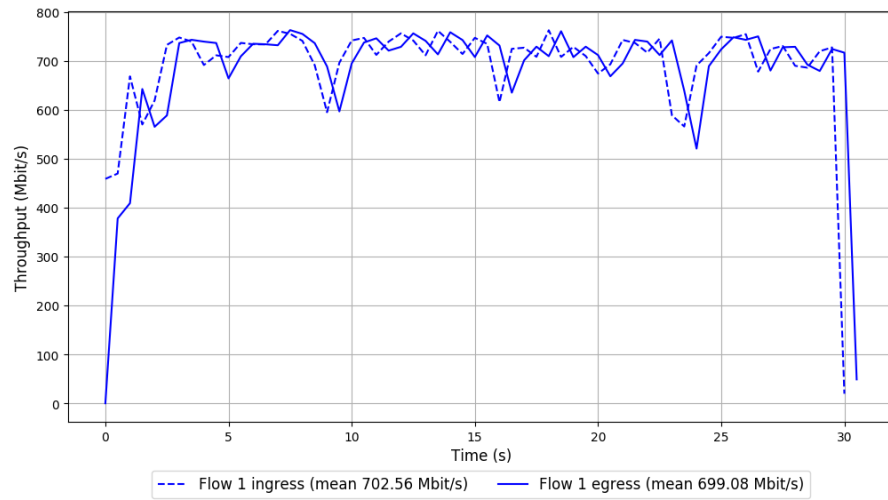
-- Flow 1:

Average throughput: 699.08 Mbit/s

95th percentile per-packet one-way delay: 35.535 ms

Loss rate: 0.50%

Run 6: Report of TCP BBR — Data Link

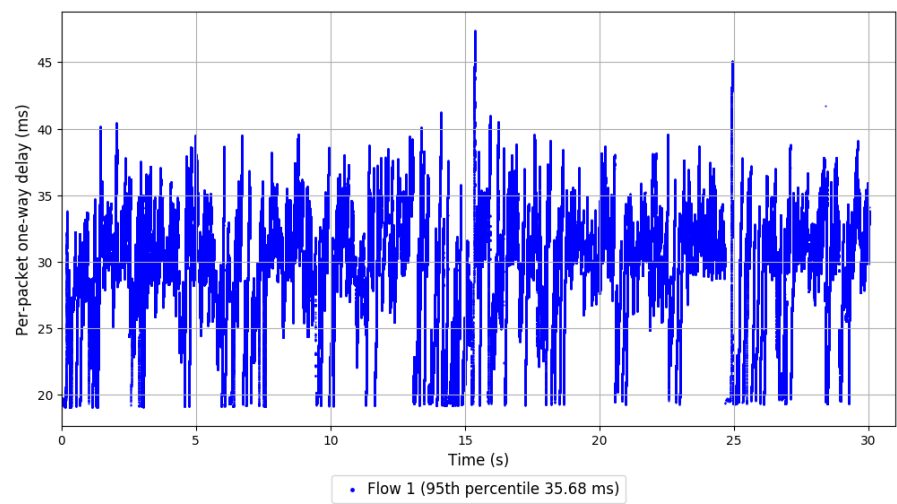
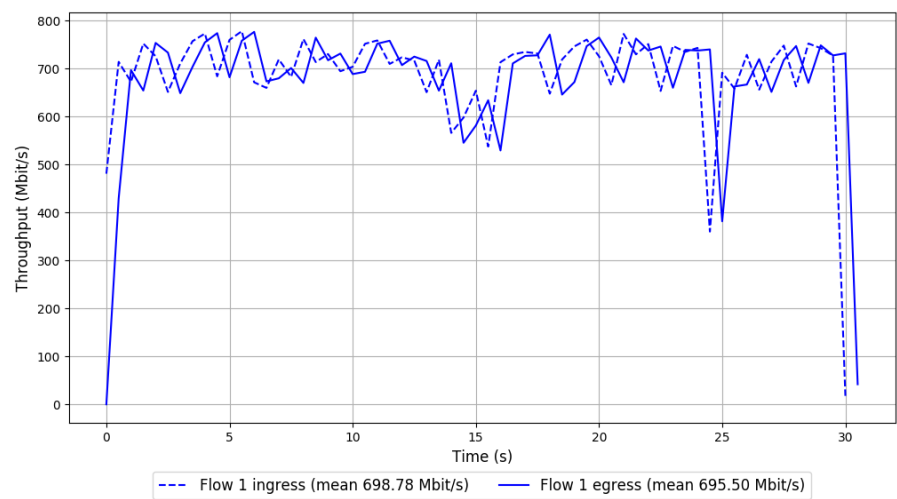


Run 7: Statistics of TCP BBR

Start at: 2018-08-01 02:54:53
End at: 2018-08-01 02:55:23
Local clock offset: -3.029 ms
Remote clock offset: -2.451 ms

Below is generated by plot.py at 2018-08-01 04:37:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 695.50 Mbit/s
95th percentile per-packet one-way delay: 35.684 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 695.50 Mbit/s
95th percentile per-packet one-way delay: 35.684 ms
Loss rate: 0.47%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-08-01 03:20:23

End at: 2018-08-01 03:20:53

Local clock offset: 0.855 ms

Remote clock offset: -4.998 ms

Below is generated by plot.py at 2018-08-01 04:37:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 683.86 Mbit/s

95th percentile per-packet one-way delay: 36.614 ms

Loss rate: 0.61%

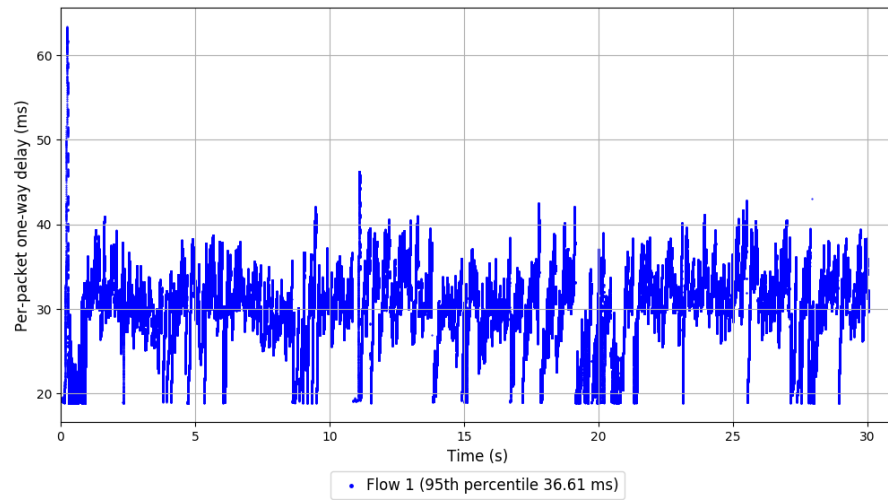
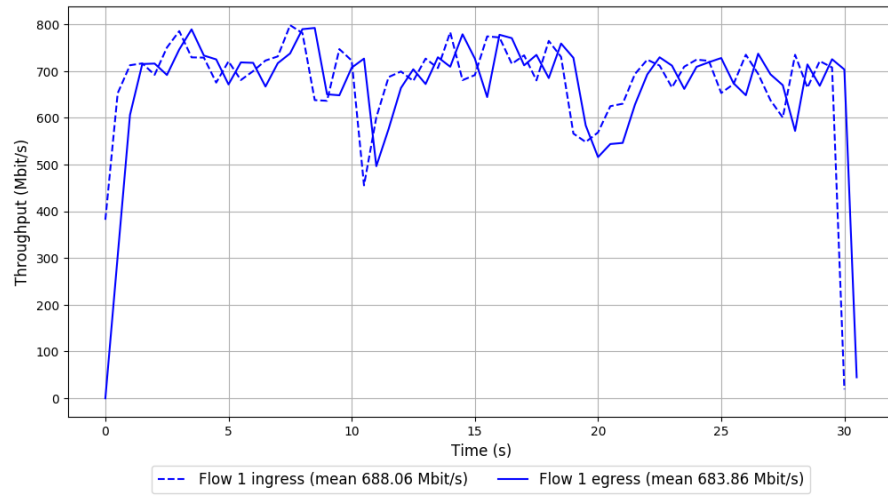
-- Flow 1:

Average throughput: 683.86 Mbit/s

95th percentile per-packet one-way delay: 36.614 ms

Loss rate: 0.61%

Run 8: Report of TCP BBR — Data Link

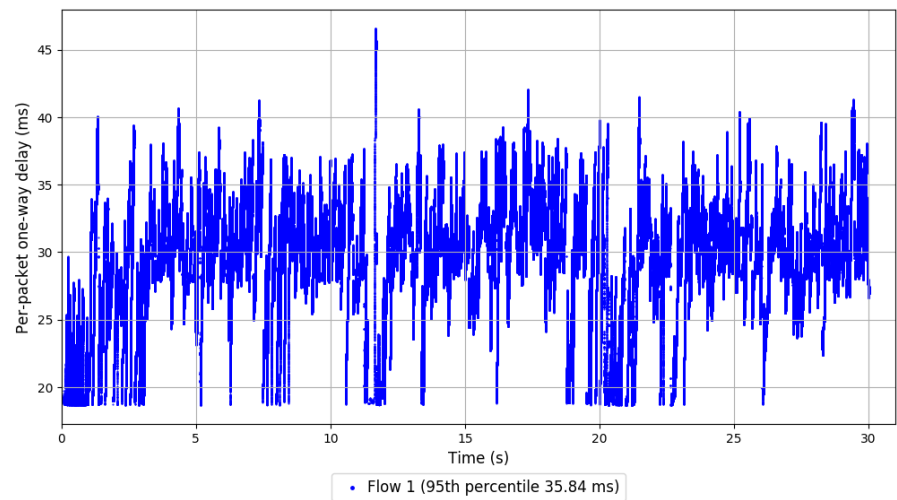
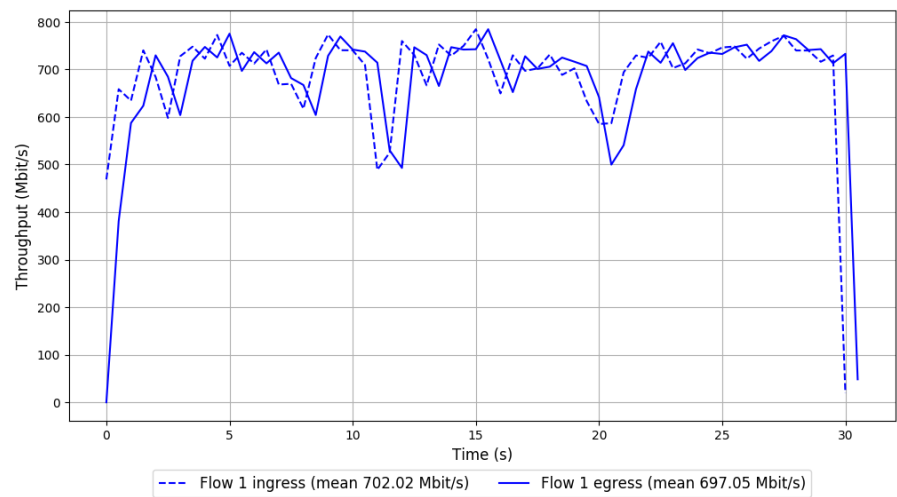


Run 9: Statistics of TCP BBR

Start at: 2018-08-01 03:45:58
End at: 2018-08-01 03:46:28
Local clock offset: -2.934 ms
Remote clock offset: -3.037 ms

Below is generated by plot.py at 2018-08-01 04:45:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 697.05 Mbit/s
95th percentile per-packet one-way delay: 35.845 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 697.05 Mbit/s
95th percentile per-packet one-way delay: 35.845 ms
Loss rate: 0.71%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-08-01 04:11:44

End at: 2018-08-01 04:12:14

Local clock offset: 0.352 ms

Remote clock offset: 0.552 ms

Below is generated by plot.py at 2018-08-01 04:45:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 671.19 Mbit/s

95th percentile per-packet one-way delay: 37.275 ms

Loss rate: 0.30%

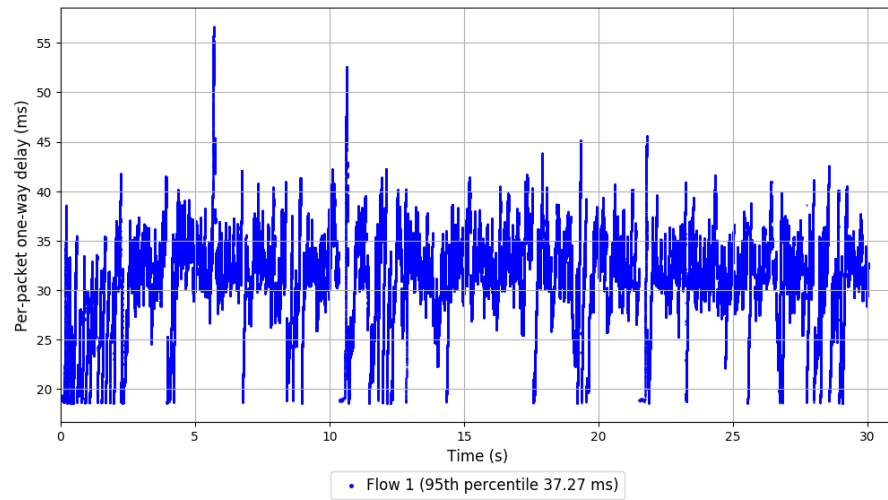
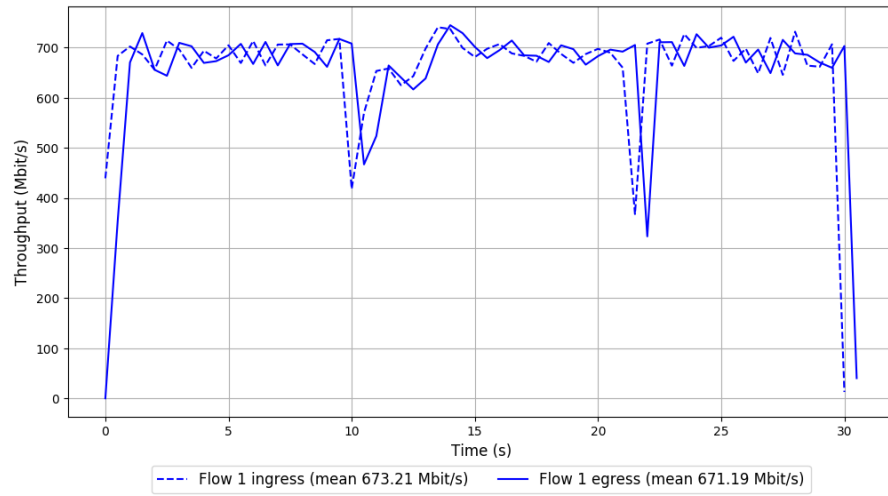
-- Flow 1:

Average throughput: 671.19 Mbit/s

95th percentile per-packet one-way delay: 37.275 ms

Loss rate: 0.30%

Run 10: Report of TCP BBR — Data Link

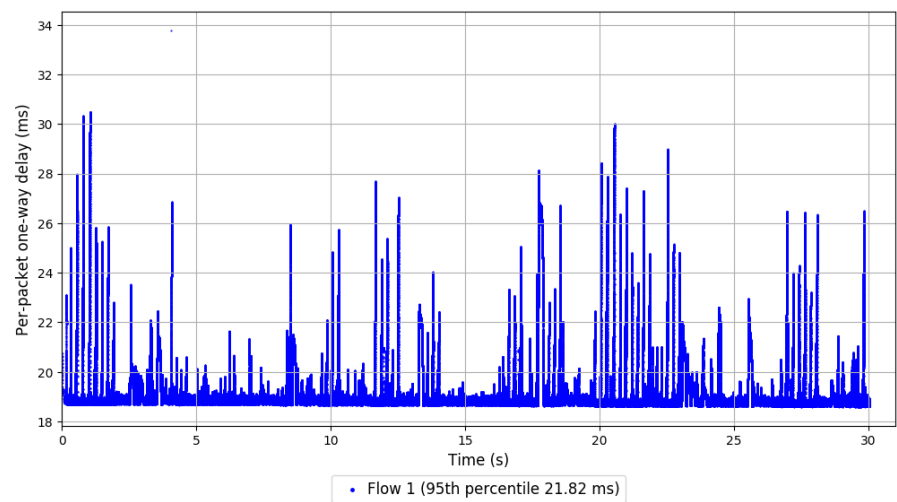
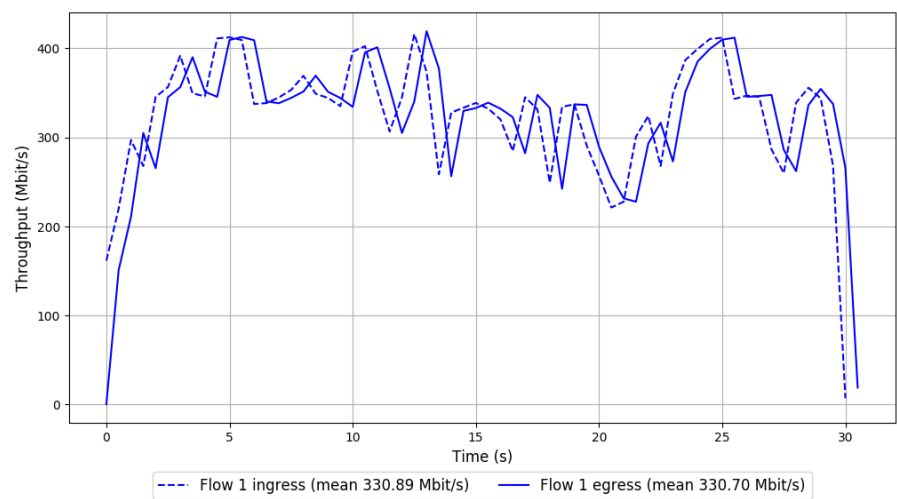


Run 1: Statistics of Copa

Start at: 2018-08-01 00:05:07
End at: 2018-08-01 00:05:37
Local clock offset: -6.437 ms
Remote clock offset: -3.556 ms

Below is generated by plot.py at 2018-08-01 04:45:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 330.70 Mbit/s
95th percentile per-packet one-way delay: 21.819 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 330.70 Mbit/s
95th percentile per-packet one-way delay: 21.819 ms
Loss rate: 0.06%

Run 1: Report of Copa — Data Link

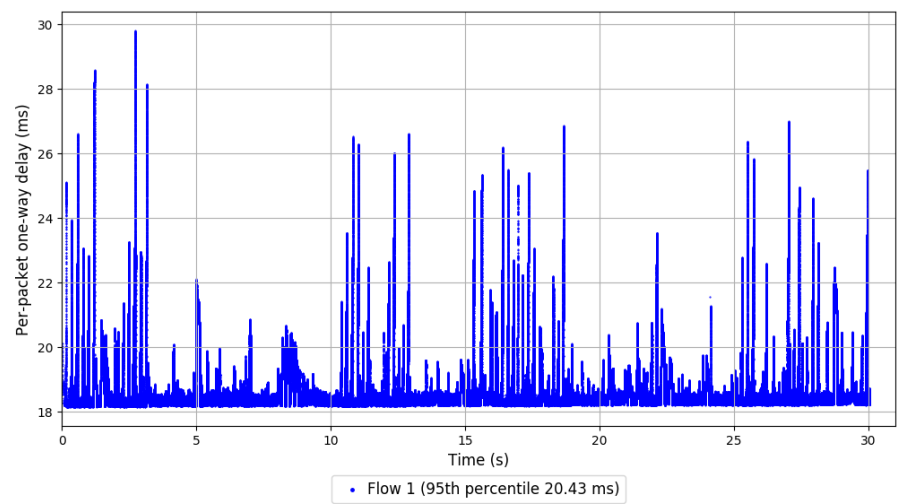
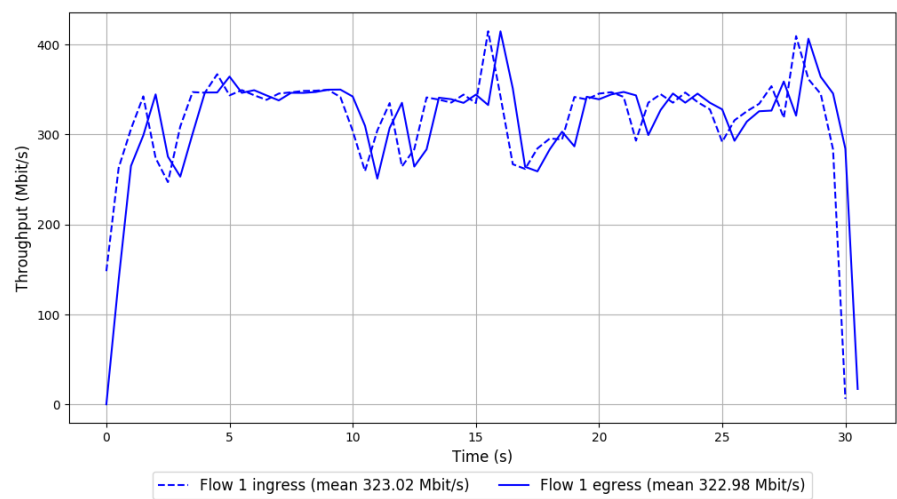


Run 2: Statistics of Copa

Start at: 2018-08-01 00:30:38
End at: 2018-08-01 00:31:08
Local clock offset: -2.681 ms
Remote clock offset: -2.031 ms

Below is generated by plot.py at 2018-08-01 04:45:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 322.98 Mbit/s
95th percentile per-packet one-way delay: 20.434 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 322.98 Mbit/s
95th percentile per-packet one-way delay: 20.434 ms
Loss rate: 0.02%

Run 2: Report of Copa — Data Link

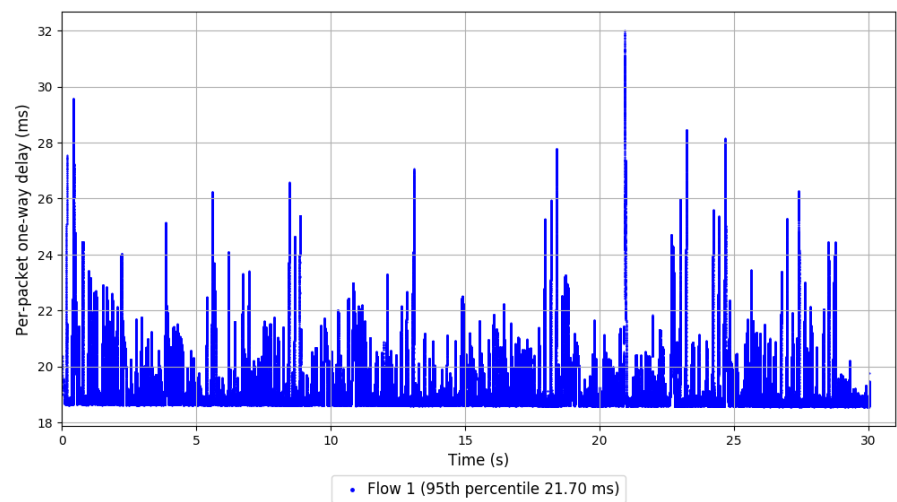
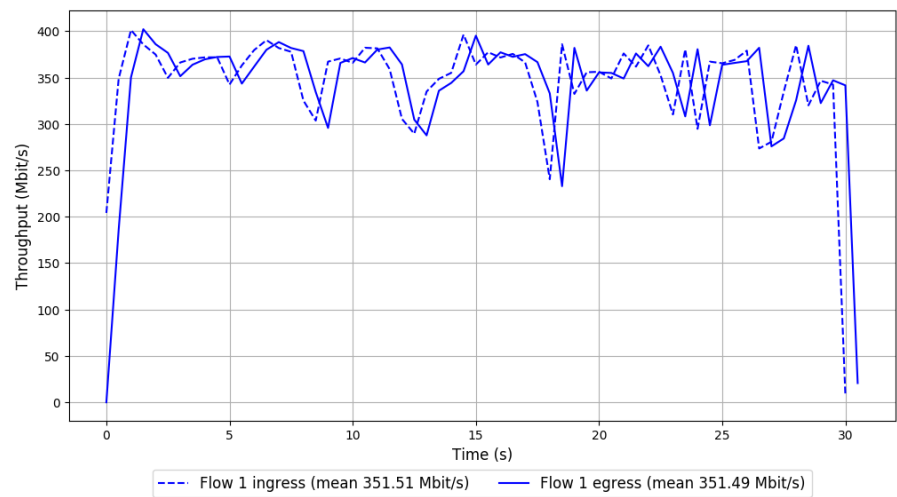


Run 3: Statistics of Copa

Start at: 2018-08-01 00:56:10
End at: 2018-08-01 00:56:40
Local clock offset: 1.432 ms
Remote clock offset: 1.552 ms

Below is generated by plot.py at 2018-08-01 04:45:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 351.49 Mbit/s
95th percentile per-packet one-way delay: 21.699 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 351.49 Mbit/s
95th percentile per-packet one-way delay: 21.699 ms
Loss rate: 0.01%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-08-01 01:21:54

End at: 2018-08-01 01:22:24

Local clock offset: 1.464 ms

Remote clock offset: 0.681 ms

Below is generated by plot.py at 2018-08-01 04:45:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 360.46 Mbit/s

95th percentile per-packet one-way delay: 20.211 ms

Loss rate: 0.01%

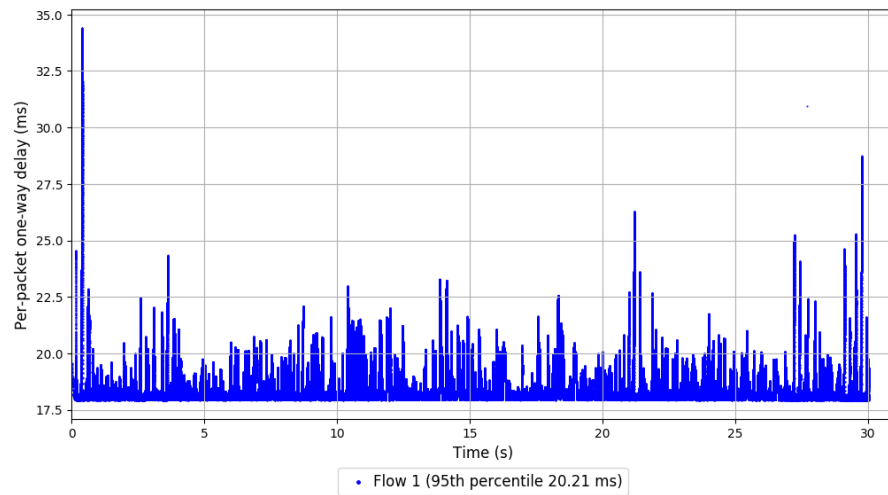
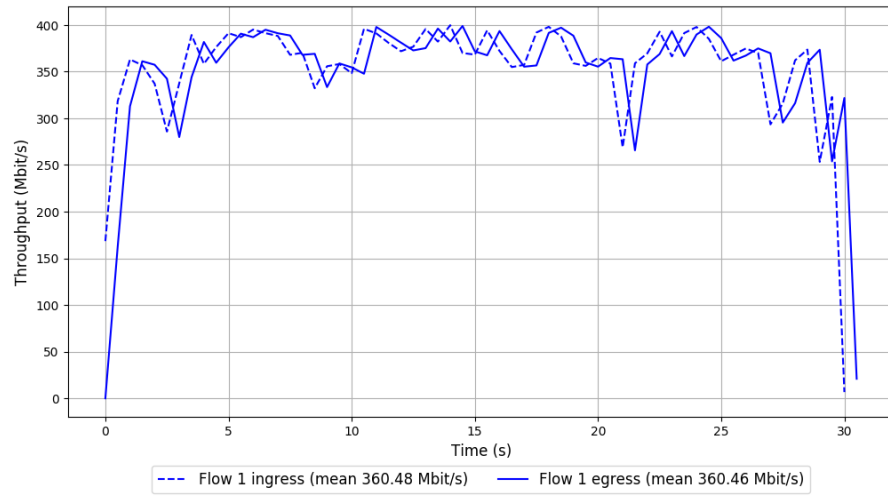
-- Flow 1:

Average throughput: 360.46 Mbit/s

95th percentile per-packet one-way delay: 20.211 ms

Loss rate: 0.01%

Run 4: Report of Copa — Data Link

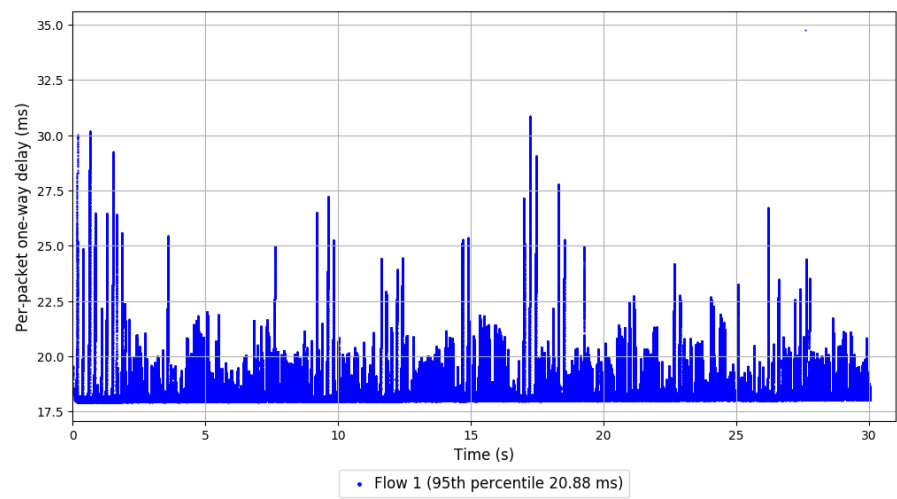
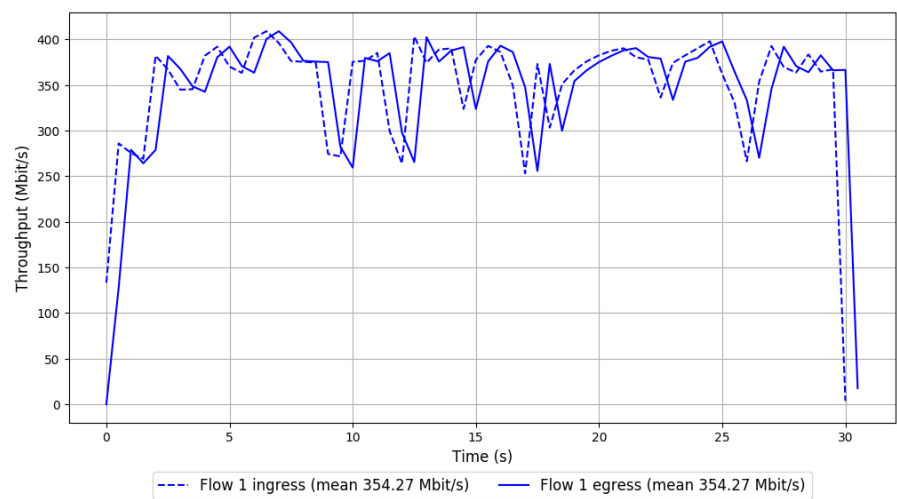


Run 5: Statistics of Copa

Start at: 2018-08-01 01:47:28
End at: 2018-08-01 01:47:58
Local clock offset: 0.655 ms
Remote clock offset: -1.971 ms

Below is generated by plot.py at 2018-08-01 04:45:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 354.27 Mbit/s
95th percentile per-packet one-way delay: 20.881 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 354.27 Mbit/s
95th percentile per-packet one-way delay: 20.881 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

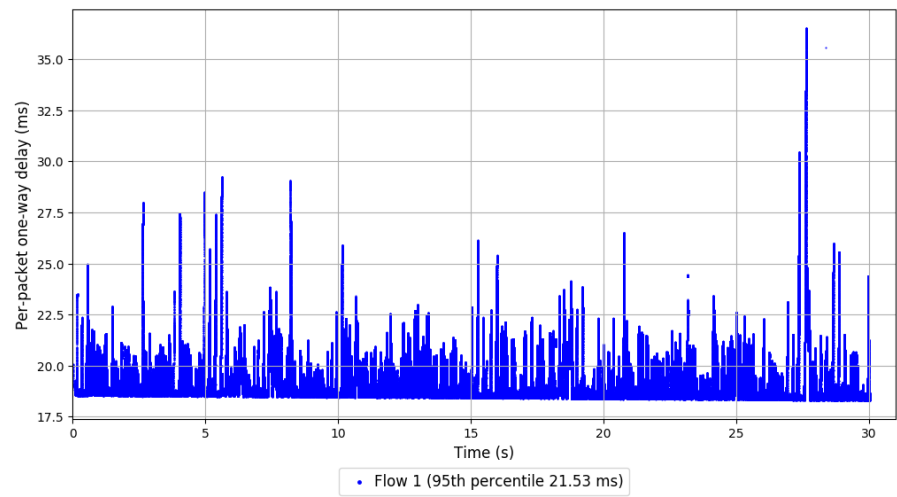
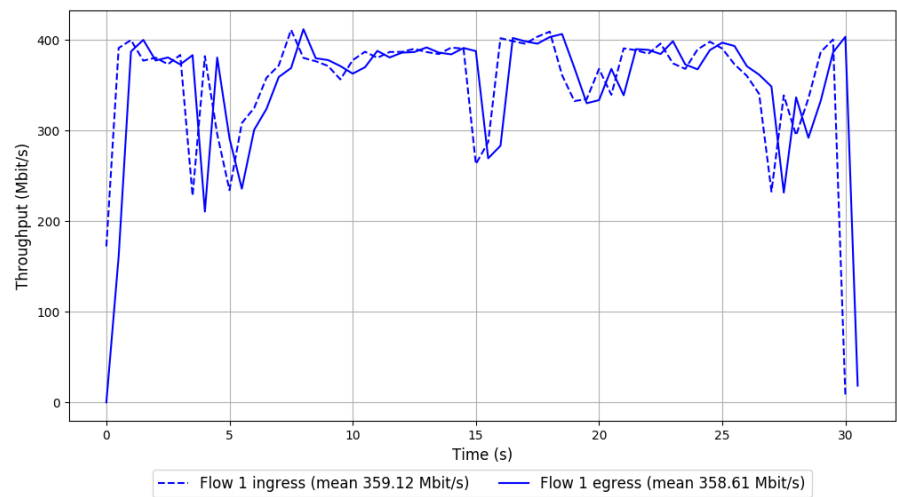


Run 6: Statistics of Copa

Start at: 2018-08-01 02:13:02
End at: 2018-08-01 02:13:32
Local clock offset: 0.475 ms
Remote clock offset: -4.268 ms

Below is generated by plot.py at 2018-08-01 04:45:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 358.61 Mbit/s
95th percentile per-packet one-way delay: 21.526 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 358.61 Mbit/s
95th percentile per-packet one-way delay: 21.526 ms
Loss rate: 0.15%

Run 6: Report of Copa — Data Link

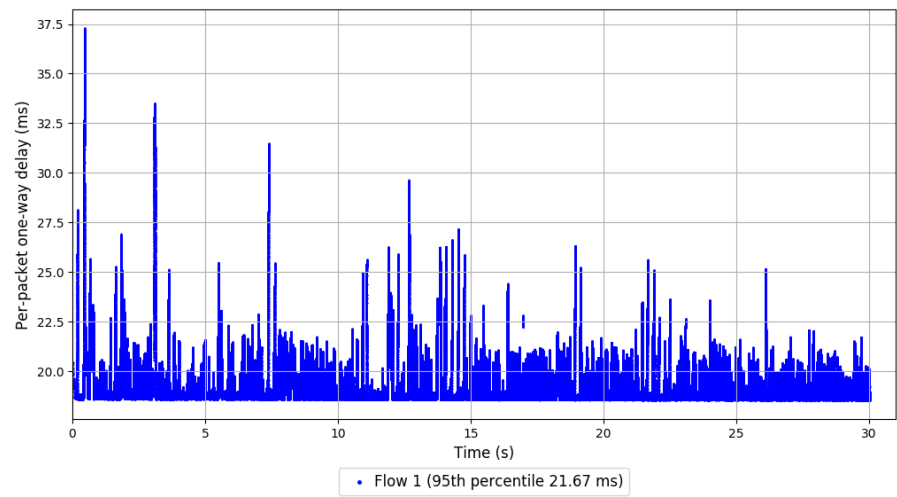
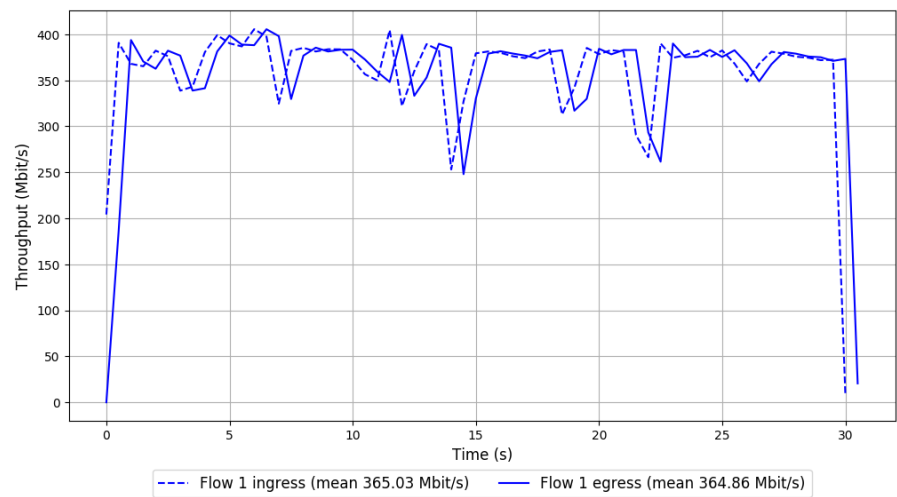


Run 7: Statistics of Copa

Start at: 2018-08-01 02:38:20
End at: 2018-08-01 02:38:50
Local clock offset: -2.839 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-08-01 04:51:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 364.86 Mbit/s
95th percentile per-packet one-way delay: 21.666 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 364.86 Mbit/s
95th percentile per-packet one-way delay: 21.666 ms
Loss rate: 0.05%

Run 7: Report of Copa — Data Link

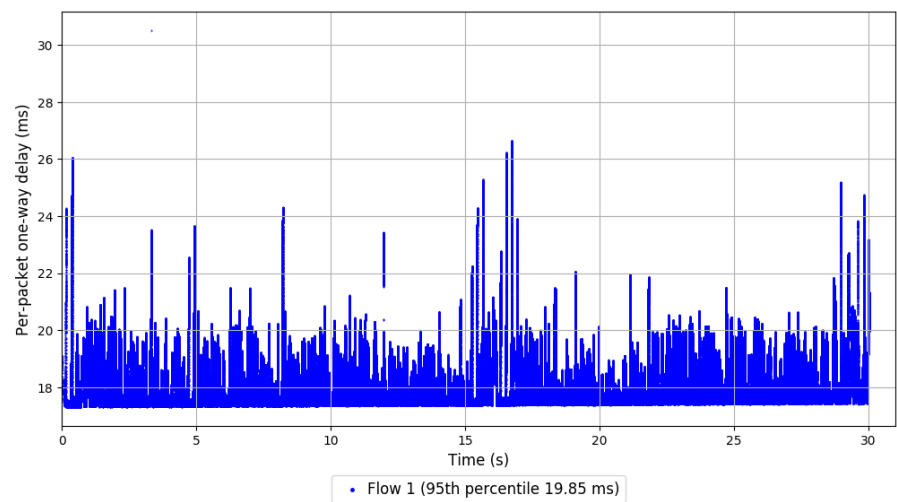
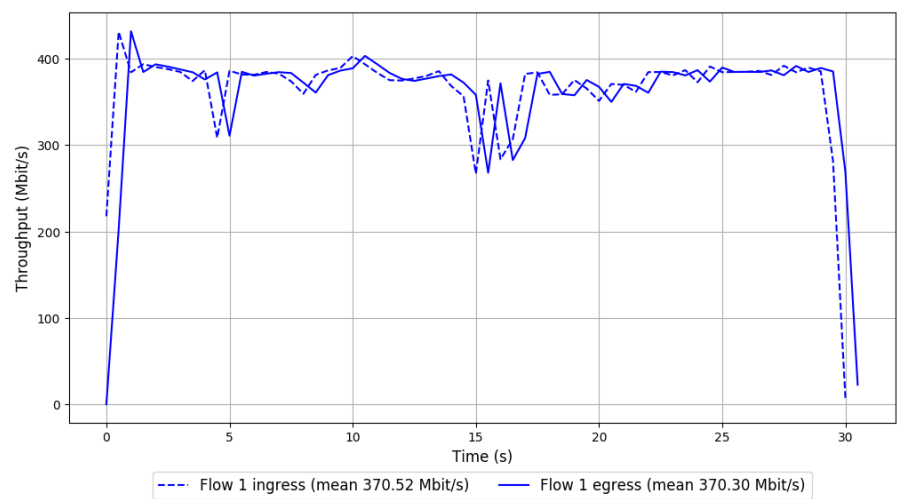


Run 8: Statistics of Copa

Start at: 2018-08-01 03:03:48
End at: 2018-08-01 03:04:18
Local clock offset: -0.66 ms
Remote clock offset: -3.806 ms

Below is generated by plot.py at 2018-08-01 04:52:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 370.30 Mbit/s
95th percentile per-packet one-way delay: 19.854 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 370.30 Mbit/s
95th percentile per-packet one-way delay: 19.854 ms
Loss rate: 0.06%

Run 8: Report of Copa — Data Link

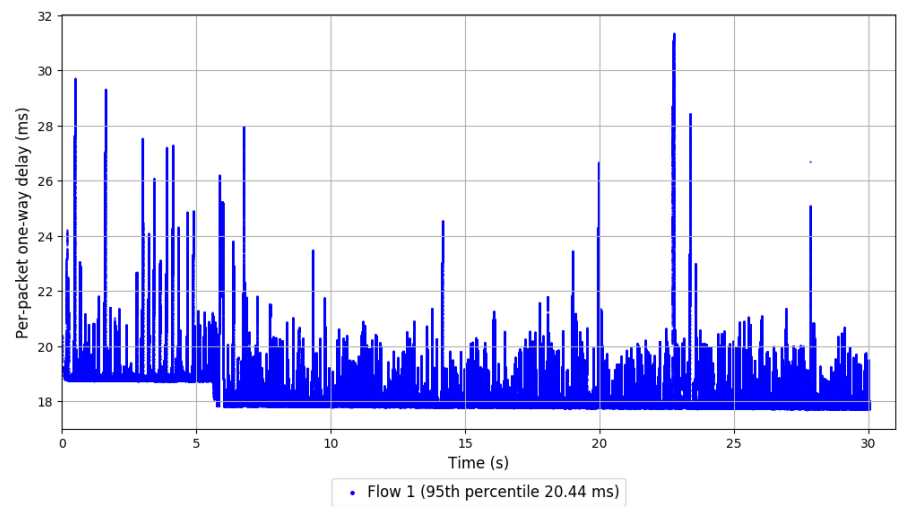
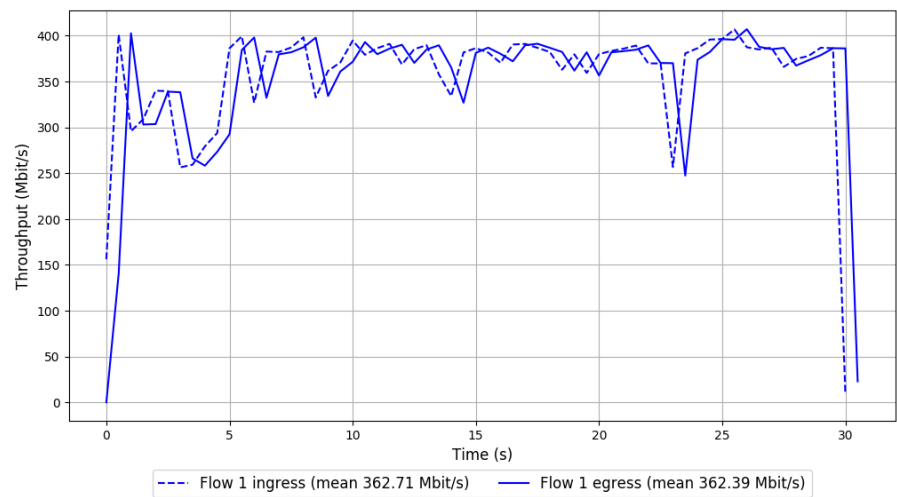


Run 9: Statistics of Copa

Start at: 2018-08-01 03:29:27
End at: 2018-08-01 03:29:57
Local clock offset: -1.141 ms
Remote clock offset: -3.629 ms

Below is generated by plot.py at 2018-08-01 04:52:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 362.39 Mbit/s
95th percentile per-packet one-way delay: 20.439 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 362.39 Mbit/s
95th percentile per-packet one-way delay: 20.439 ms
Loss rate: 0.09%

Run 9: Report of Copa — Data Link

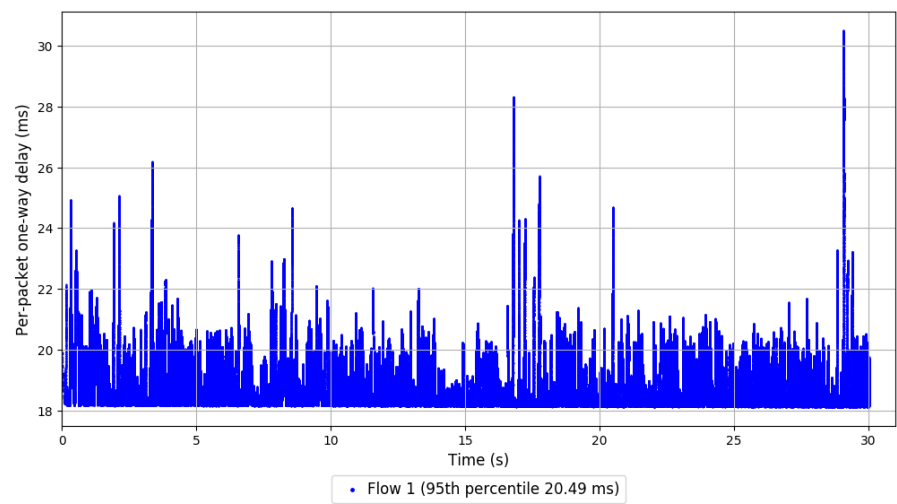
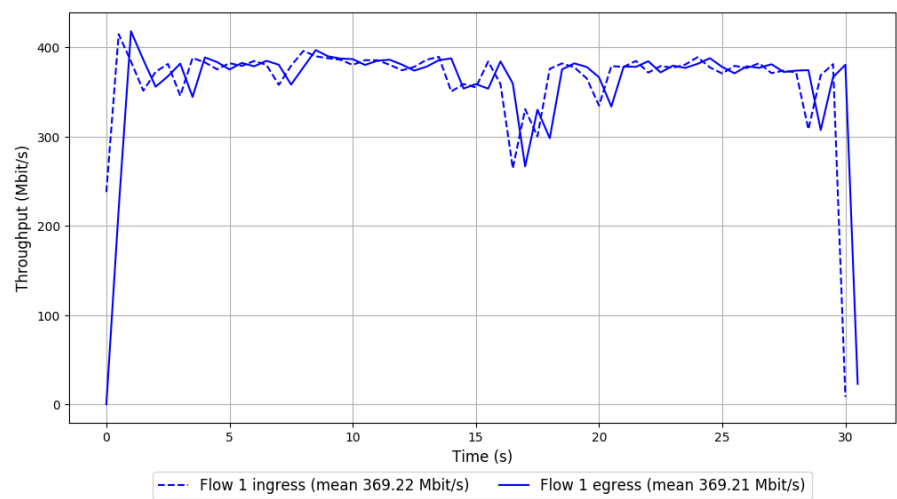


Run 10: Statistics of Copa

Start at: 2018-08-01 03:55:05
End at: 2018-08-01 03:55:35
Local clock offset: -2.363 ms
Remote clock offset: -2.929 ms

Below is generated by plot.py at 2018-08-01 04:52:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 369.21 Mbit/s
95th percentile per-packet one-way delay: 20.494 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 369.21 Mbit/s
95th percentile per-packet one-way delay: 20.494 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

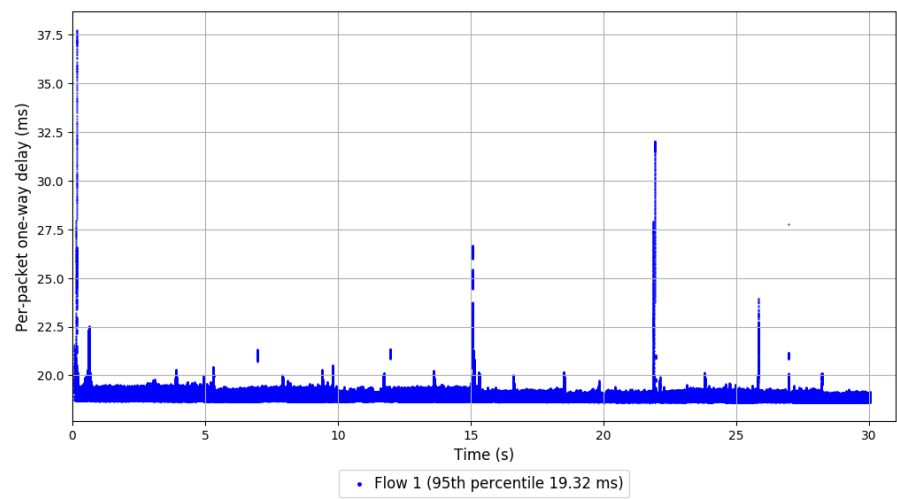
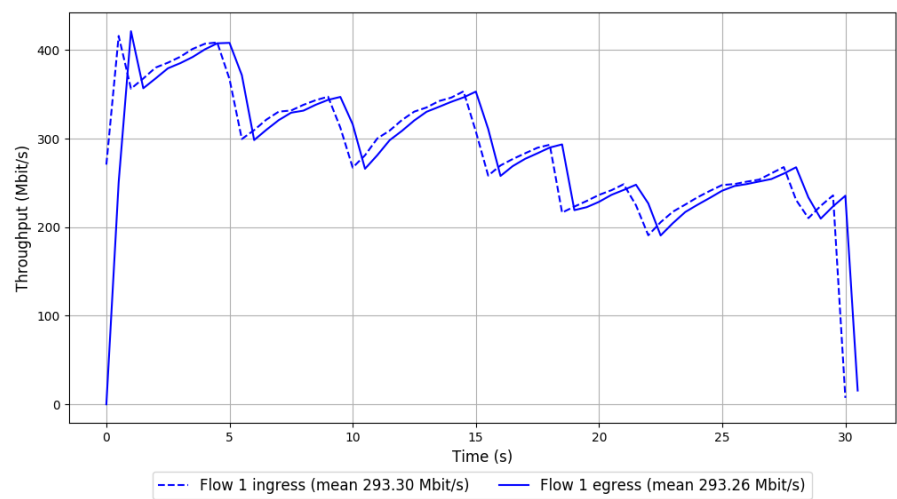


Run 1: Statistics of TCP Cubic

Start at: 2018-08-01 00:14:16
End at: 2018-08-01 00:14:46
Local clock offset: -7.279 ms
Remote clock offset: -2.647 ms

Below is generated by plot.py at 2018-08-01 04:52:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 293.26 Mbit/s
95th percentile per-packet one-way delay: 19.317 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 293.26 Mbit/s
95th percentile per-packet one-way delay: 19.317 ms
Loss rate: 0.01%

Run 1: Report of TCP Cubic — Data Link

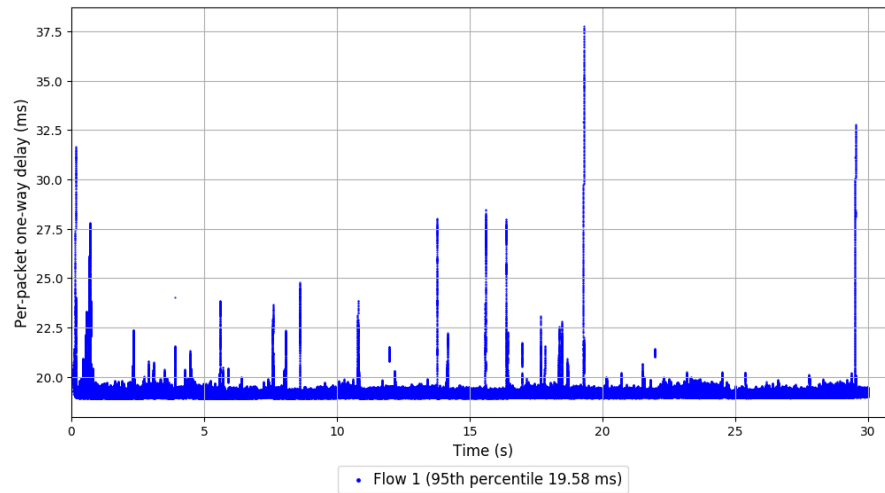
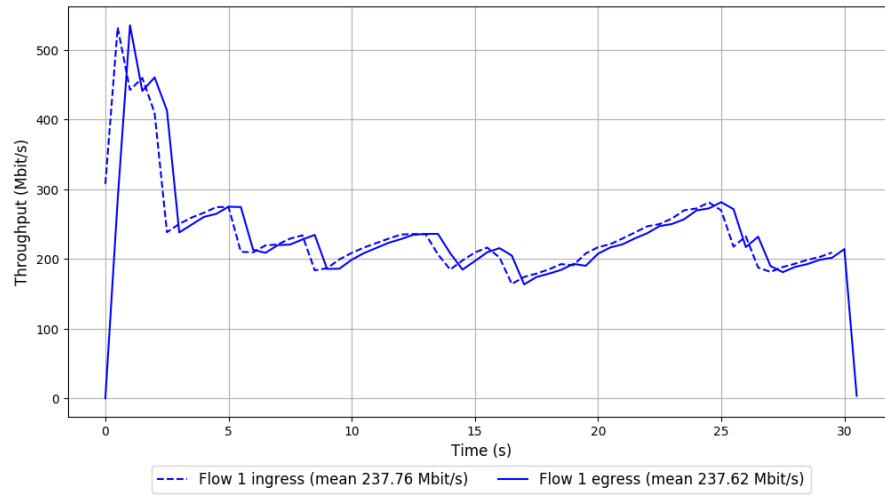


Run 2: Statistics of TCP Cubic

Start at: 2018-08-01 00:39:41
End at: 2018-08-01 00:40:11
Local clock offset: 0.15 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-08-01 04:52:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 237.62 Mbit/s
95th percentile per-packet one-way delay: 19.580 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 237.62 Mbit/s
95th percentile per-packet one-way delay: 19.580 ms
Loss rate: 0.06%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-08-01 01:05:23

End at: 2018-08-01 01:05:53

Local clock offset: 1.154 ms

Remote clock offset: 1.971 ms

Below is generated by plot.py at 2018-08-01 04:52:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 390.91 Mbit/s

95th percentile per-packet one-way delay: 19.706 ms

Loss rate: 0.05%

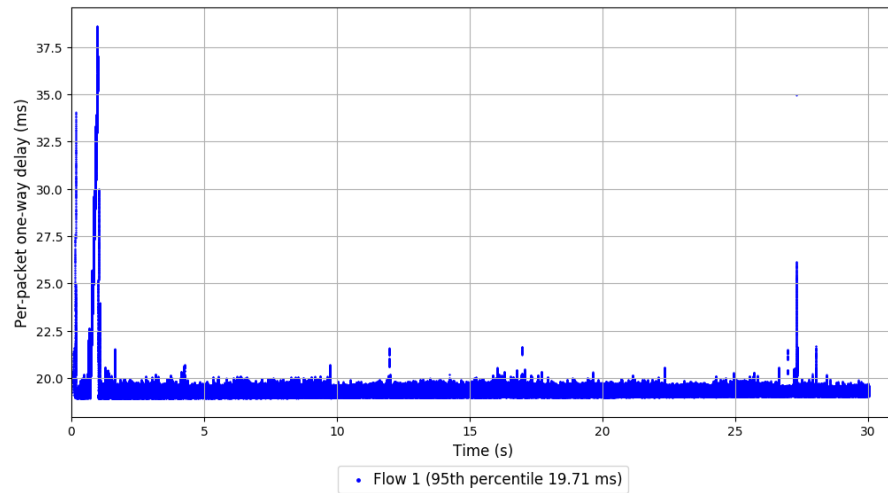
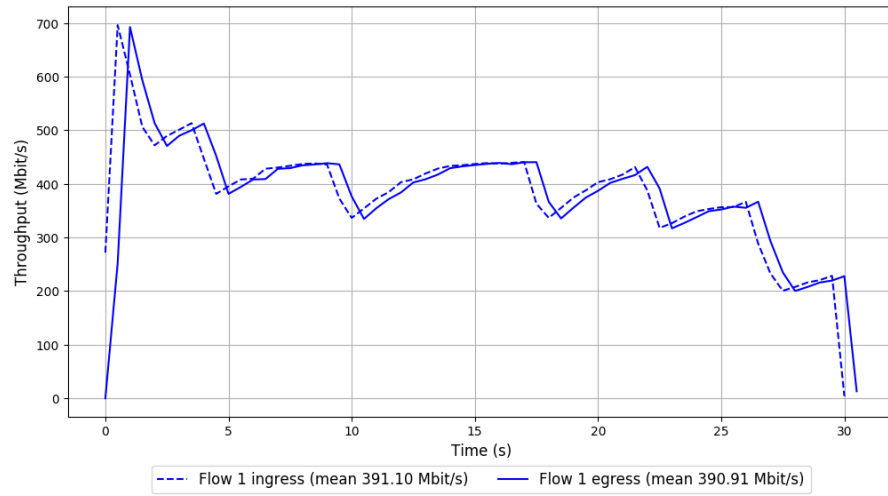
-- Flow 1:

Average throughput: 390.91 Mbit/s

95th percentile per-packet one-way delay: 19.706 ms

Loss rate: 0.05%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-08-01 01:31:03

End at: 2018-08-01 01:31:33

Local clock offset: 0.738 ms

Remote clock offset: 0.837 ms

Below is generated by plot.py at 2018-08-01 04:52:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 332.24 Mbit/s

95th percentile per-packet one-way delay: 19.675 ms

Loss rate: 0.05%

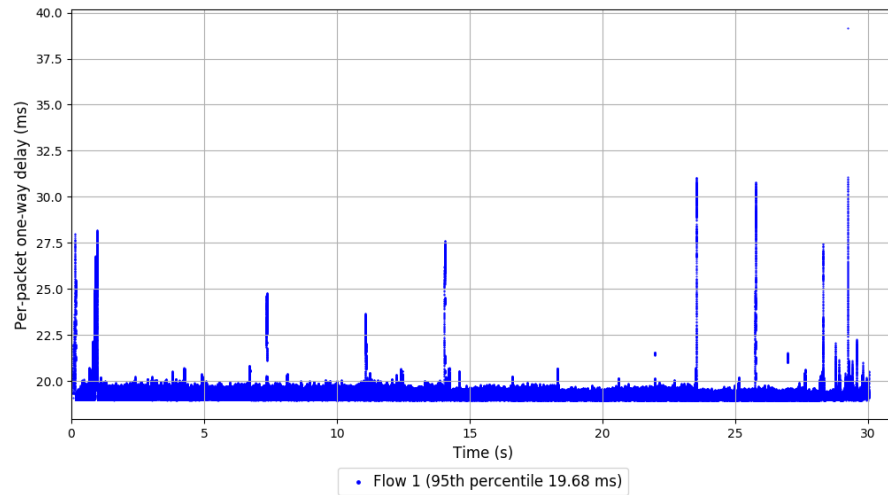
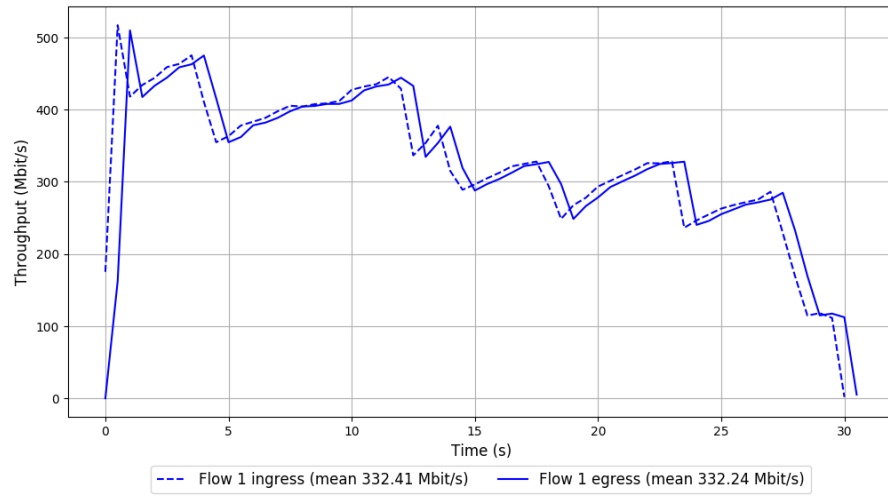
-- Flow 1:

Average throughput: 332.24 Mbit/s

95th percentile per-packet one-way delay: 19.675 ms

Loss rate: 0.05%

Run 4: Report of TCP Cubic — Data Link

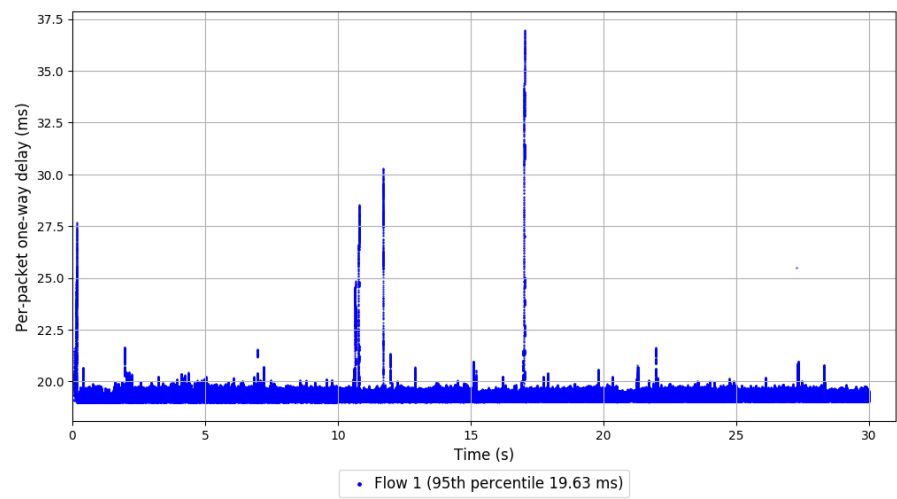
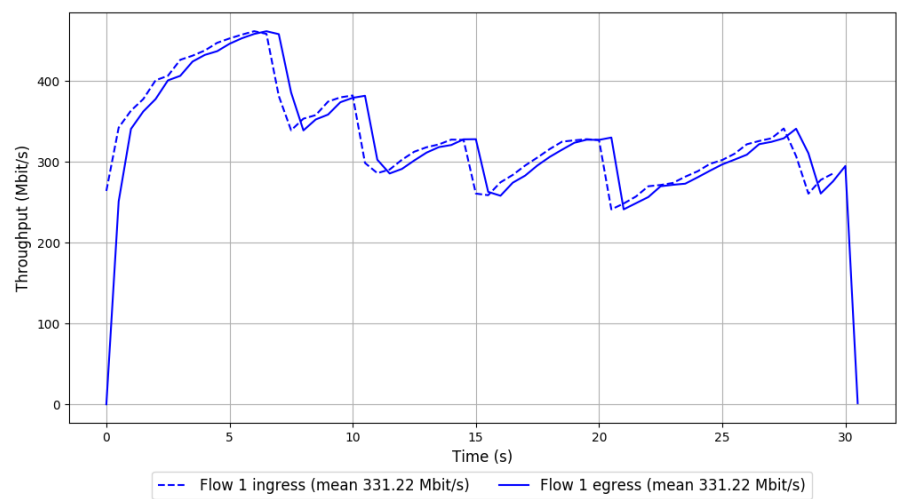


Run 5: Statistics of TCP Cubic

Start at: 2018-08-01 01:56:32
End at: 2018-08-01 01:57:02
Local clock offset: 0.485 ms
Remote clock offset: -3.219 ms

Below is generated by plot.py at 2018-08-01 04:52:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 331.22 Mbit/s
95th percentile per-packet one-way delay: 19.630 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 331.22 Mbit/s
95th percentile per-packet one-way delay: 19.630 ms
Loss rate: 0.01%

Run 5: Report of TCP Cubic — Data Link

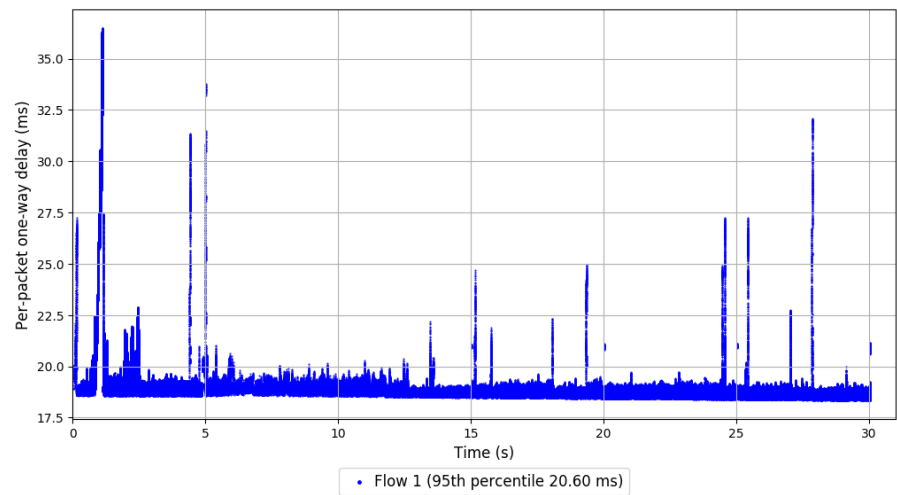
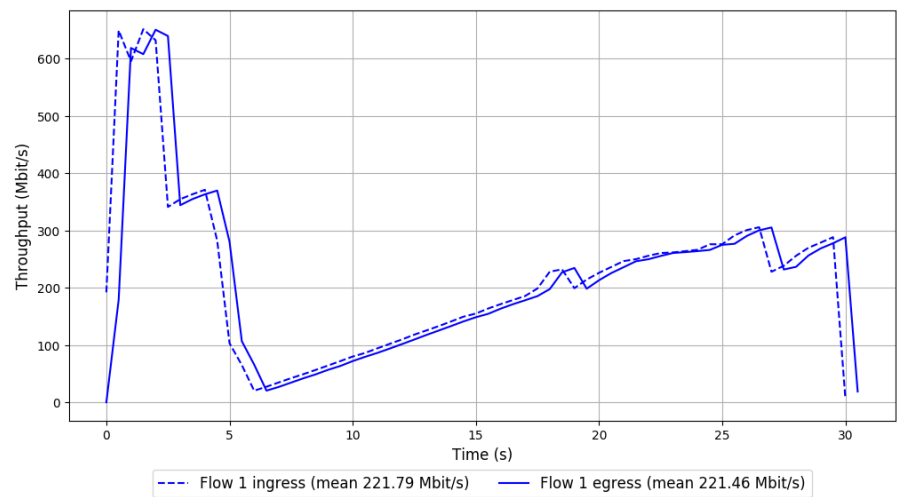


Run 6: Statistics of TCP Cubic

Start at: 2018-08-01 02:22:07
End at: 2018-08-01 02:22:37
Local clock offset: 0.484 ms
Remote clock offset: -1.442 ms

Below is generated by plot.py at 2018-08-01 04:52:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.46 Mbit/s
95th percentile per-packet one-way delay: 20.602 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 221.46 Mbit/s
95th percentile per-packet one-way delay: 20.602 ms
Loss rate: 0.15%

Run 6: Report of TCP Cubic — Data Link

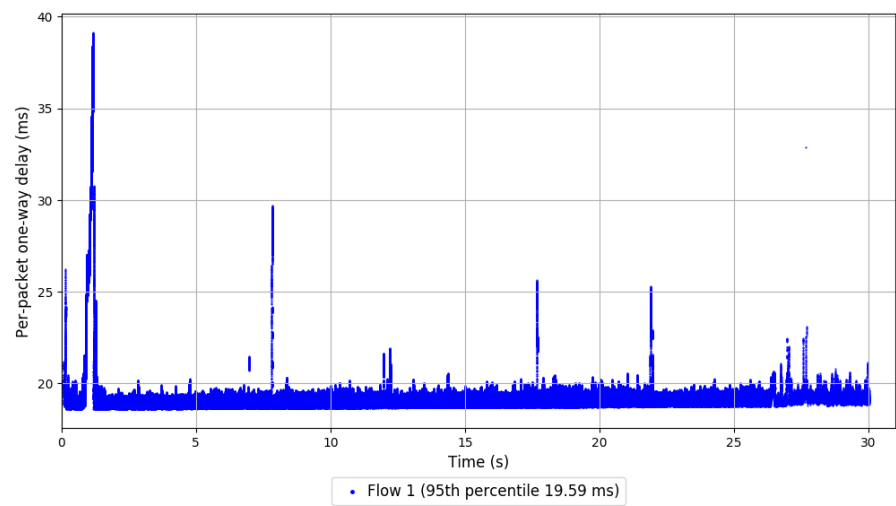
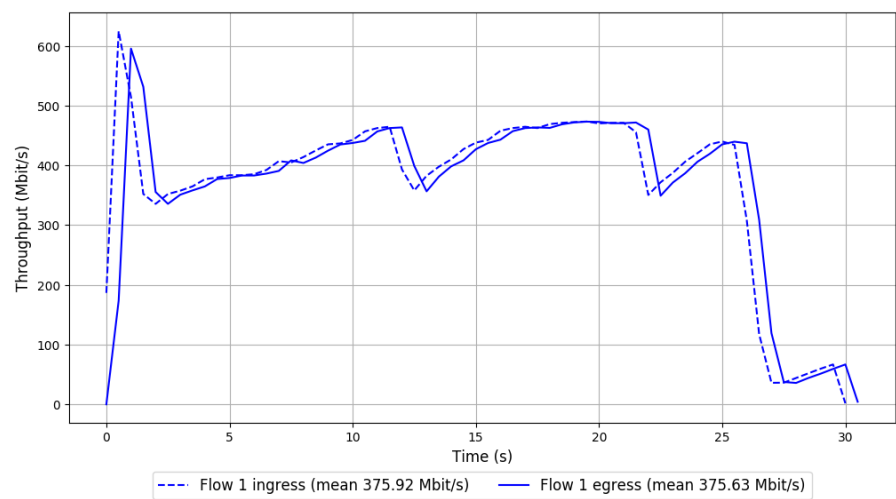


Run 7: Statistics of TCP Cubic

Start at: 2018-08-01 02:47:23
End at: 2018-08-01 02:47:53
Local clock offset: -3.482 ms
Remote clock offset: -0.185 ms

Below is generated by plot.py at 2018-08-01 04:53:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 375.63 Mbit/s
95th percentile per-packet one-way delay: 19.586 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 375.63 Mbit/s
95th percentile per-packet one-way delay: 19.586 ms
Loss rate: 0.08%

Run 7: Report of TCP Cubic — Data Link

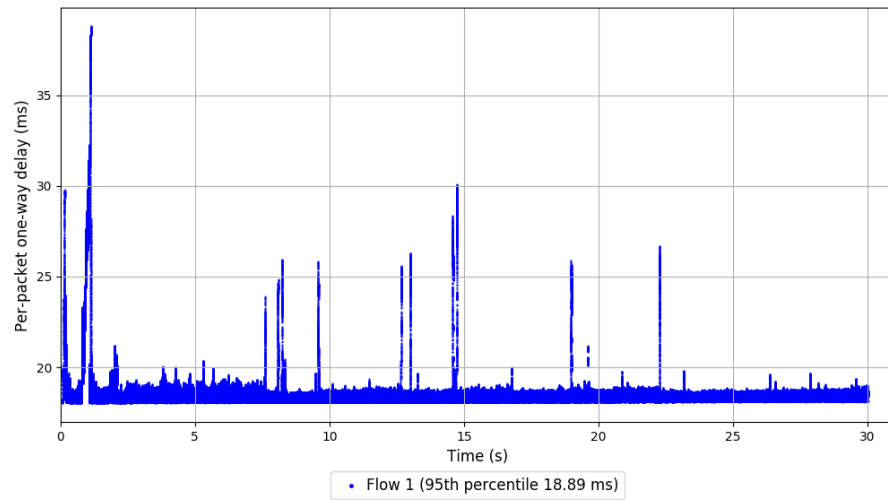
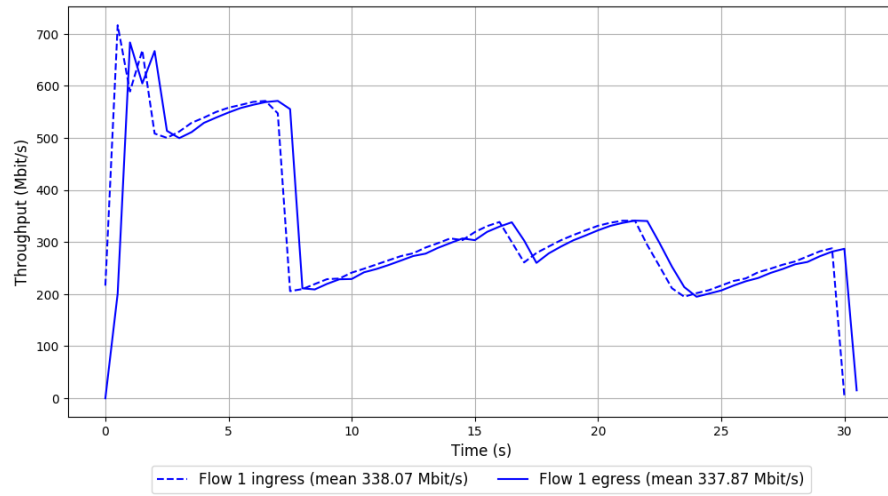


Run 8: Statistics of TCP Cubic

Start at: 2018-08-01 03:12:53
End at: 2018-08-01 03:13:23
Local clock offset: 0.32 ms
Remote clock offset: -4.524 ms

Below is generated by plot.py at 2018-08-01 04:53:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 337.87 Mbit/s
95th percentile per-packet one-way delay: 18.886 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 337.87 Mbit/s
95th percentile per-packet one-way delay: 18.886 ms
Loss rate: 0.06%

Run 8: Report of TCP Cubic — Data Link

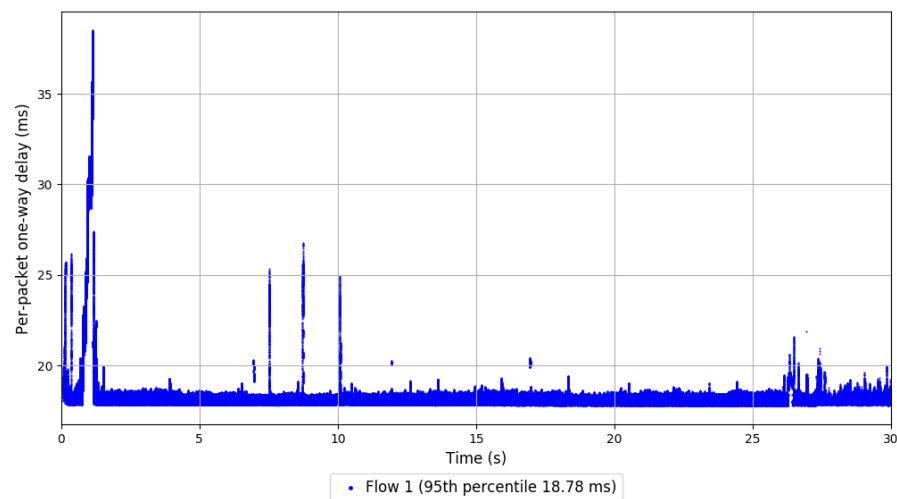
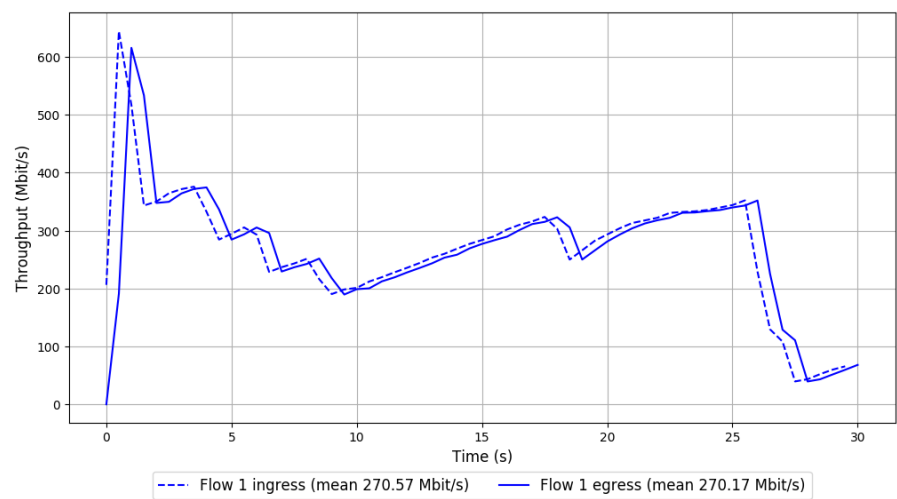


Run 9: Statistics of TCP Cubic

Start at: 2018-08-01 03:38:31
End at: 2018-08-01 03:39:01
Local clock offset: -2.351 ms
Remote clock offset: -3.173 ms

Below is generated by plot.py at 2018-08-01 04:53:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 270.17 Mbit/s
95th percentile per-packet one-way delay: 18.780 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 270.17 Mbit/s
95th percentile per-packet one-way delay: 18.780 ms
Loss rate: 0.15%

Run 9: Report of TCP Cubic — Data Link

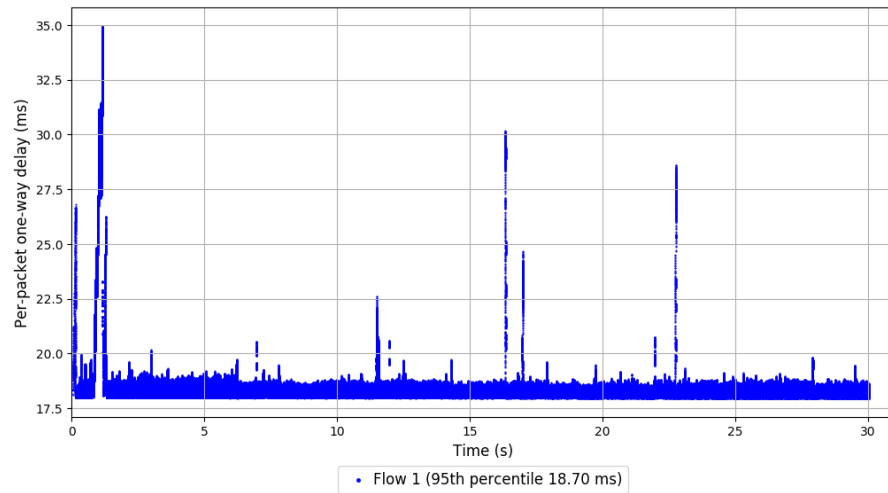
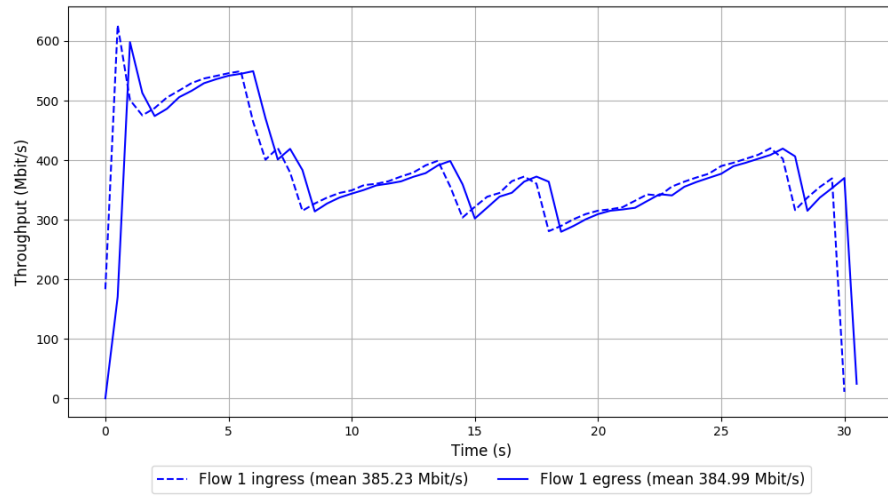


Run 10: Statistics of TCP Cubic

Start at: 2018-08-01 04:04:17
End at: 2018-08-01 04:04:47
Local clock offset: -0.439 ms
Remote clock offset: -0.507 ms

Below is generated by plot.py at 2018-08-01 04:55:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 384.99 Mbit/s
95th percentile per-packet one-way delay: 18.695 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 384.99 Mbit/s
95th percentile per-packet one-way delay: 18.695 ms
Loss rate: 0.06%

Run 10: Report of TCP Cubic — Data Link

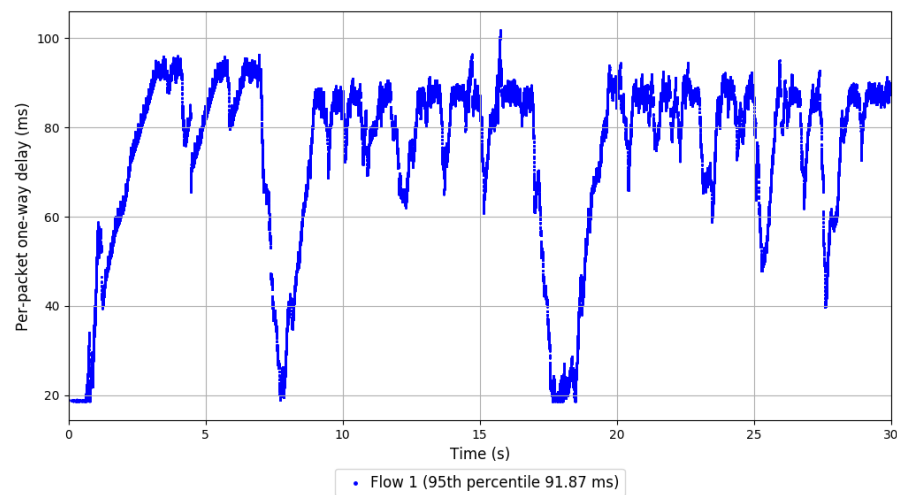
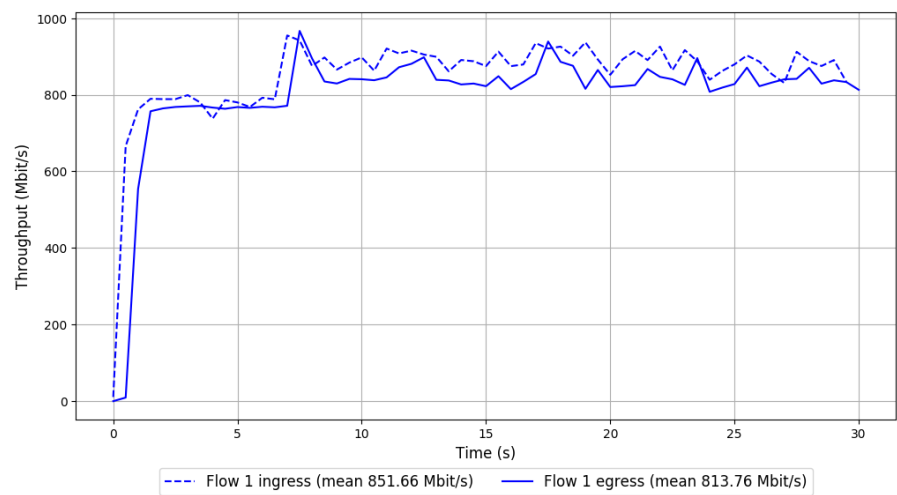


Run 1: Statistics of FillP

Start at: 2018-08-01 00:09:40
End at: 2018-08-01 00:10:10
Local clock offset: -6.851 ms
Remote clock offset: -2.998 ms

Below is generated by plot.py at 2018-08-01 05:03:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 813.76 Mbit/s
95th percentile per-packet one-way delay: 91.870 ms
Loss rate: 4.45%
-- Flow 1:
Average throughput: 813.76 Mbit/s
95th percentile per-packet one-way delay: 91.870 ms
Loss rate: 4.45%

Run 1: Report of FillP — Data Link

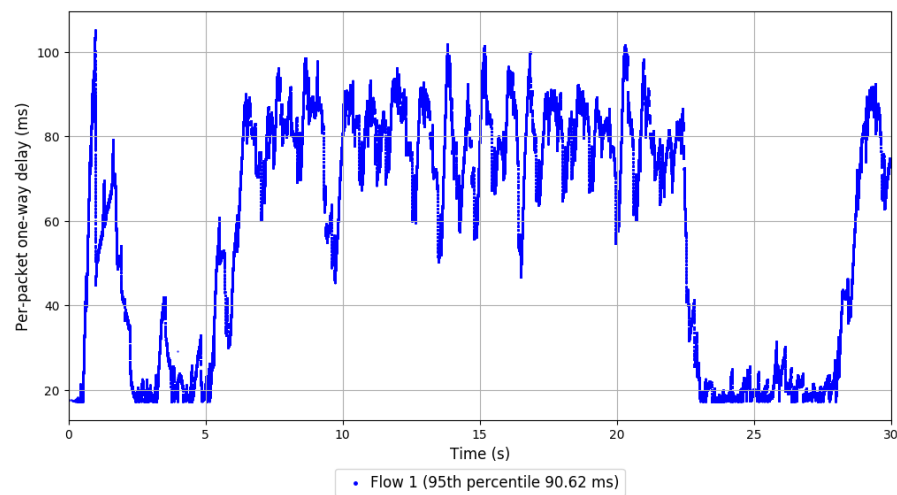
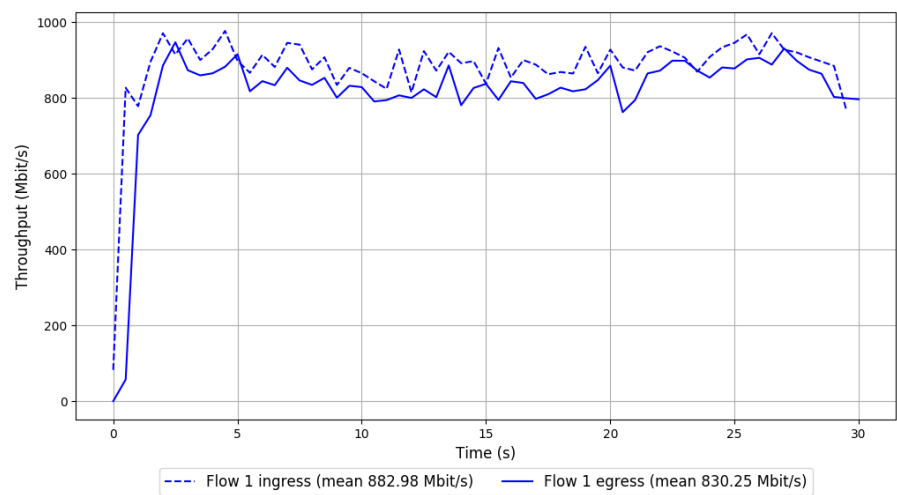


Run 2: Statistics of FillP

Start at: 2018-08-01 00:35:09
End at: 2018-08-01 00:35:39
Local clock offset: -0.968 ms
Remote clock offset: -0.838 ms

Below is generated by plot.py at 2018-08-01 05:04:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 830.25 Mbit/s
95th percentile per-packet one-way delay: 90.620 ms
Loss rate: 5.97%
-- Flow 1:
Average throughput: 830.25 Mbit/s
95th percentile per-packet one-way delay: 90.620 ms
Loss rate: 5.97%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-08-01 01:00:42

End at: 2018-08-01 01:01:12

Local clock offset: 1.136 ms

Remote clock offset: 1.859 ms

Below is generated by plot.py at 2018-08-01 05:04:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 830.87 Mbit/s

95th percentile per-packet one-way delay: 90.429 ms

Loss rate: 6.69%

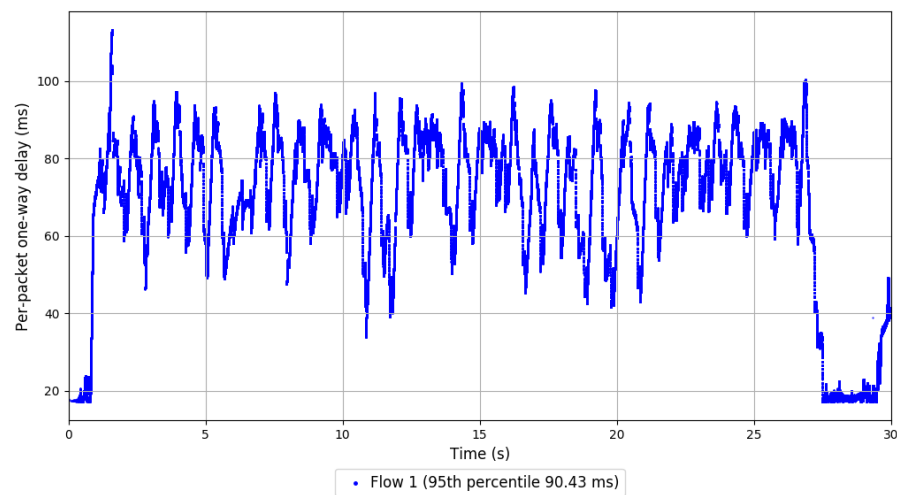
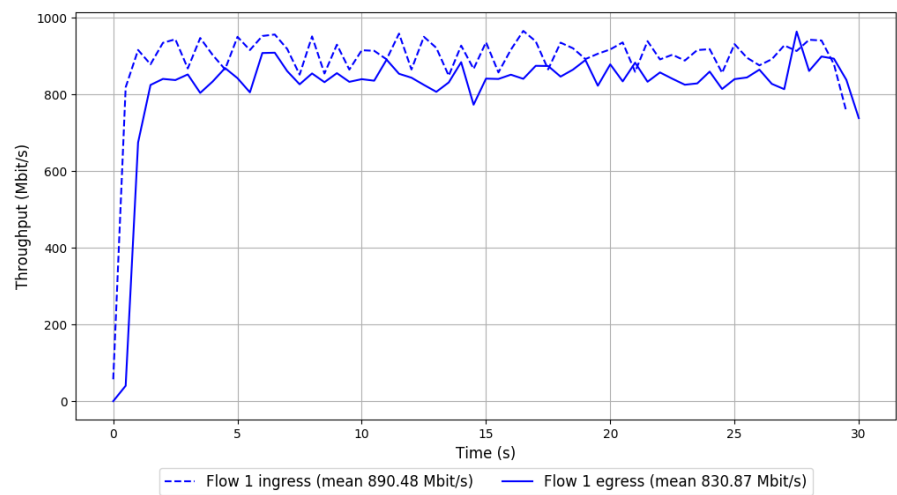
-- Flow 1:

Average throughput: 830.87 Mbit/s

95th percentile per-packet one-way delay: 90.429 ms

Loss rate: 6.69%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

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

End at: 2018-08-01 01:26:56

Local clock offset: 1.024 ms

Remote clock offset: 0.718 ms

Below is generated by plot.py at 2018-08-01 05:04:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 850.36 Mbit/s

95th percentile per-packet one-way delay: 86.679 ms

Loss rate: 3.44%

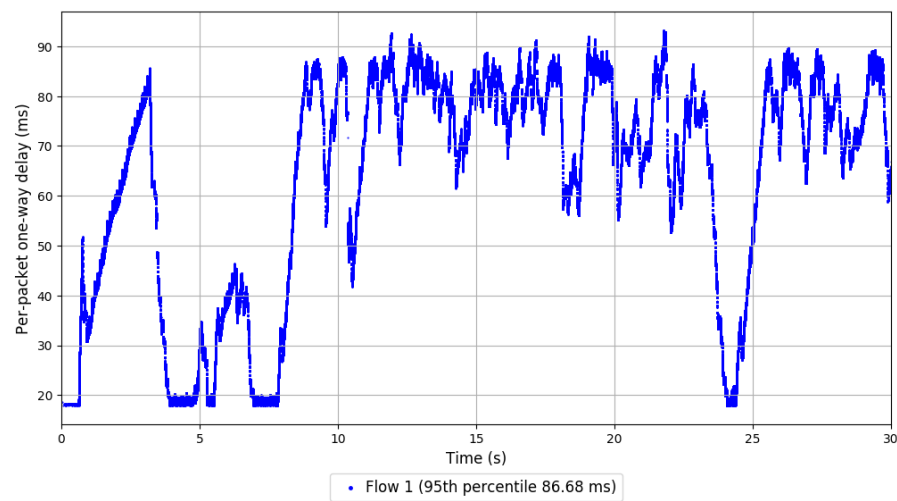
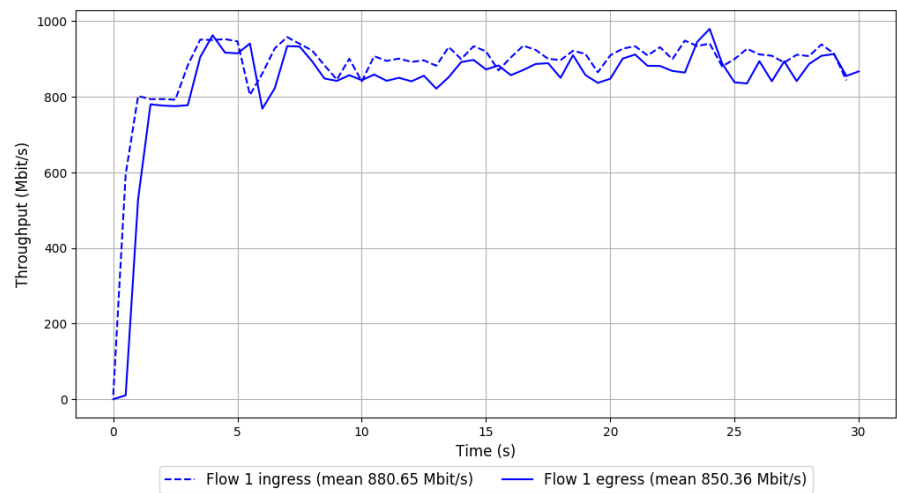
-- Flow 1:

Average throughput: 850.36 Mbit/s

95th percentile per-packet one-way delay: 86.679 ms

Loss rate: 3.44%

Run 4: Report of FillP — Data Link

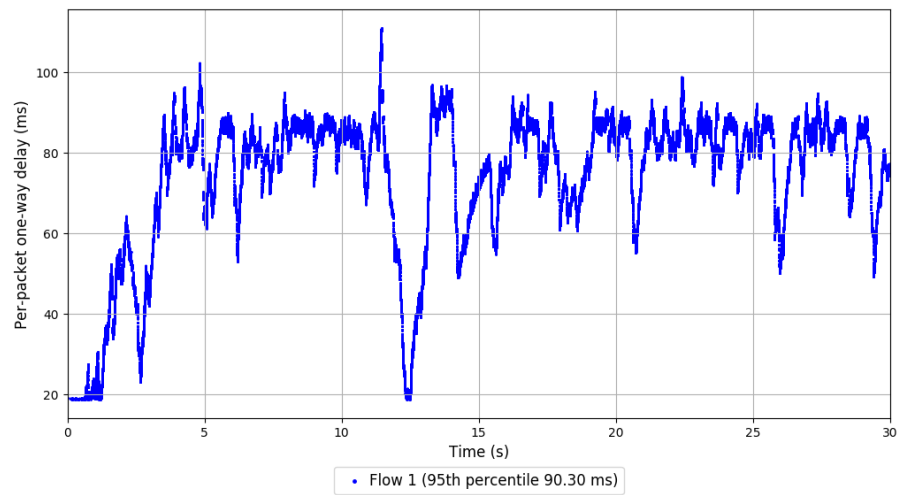
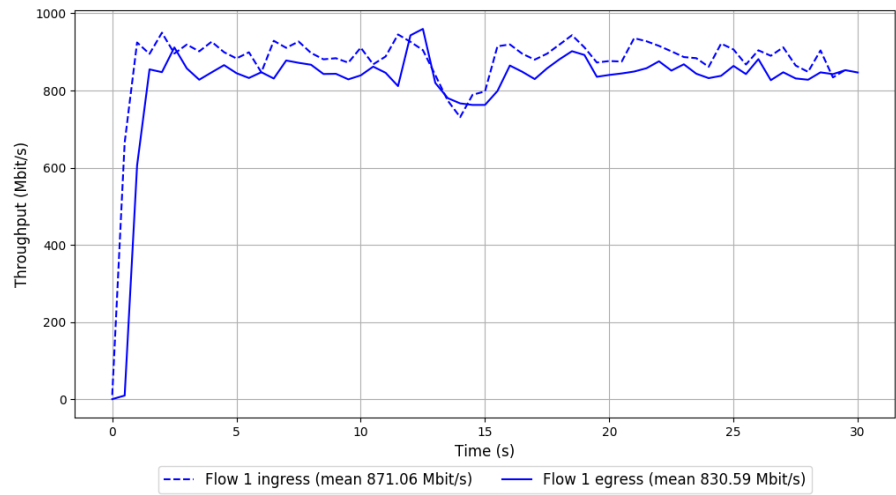


Run 5: Statistics of FillP

Start at: 2018-08-01 01:51:59
End at: 2018-08-01 01:52:29
Local clock offset: 0.682 ms
Remote clock offset: -2.715 ms

Below is generated by plot.py at 2018-08-01 05:04:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 830.59 Mbit/s
95th percentile per-packet one-way delay: 90.302 ms
Loss rate: 4.65%
-- Flow 1:
Average throughput: 830.59 Mbit/s
95th percentile per-packet one-way delay: 90.302 ms
Loss rate: 4.65%

Run 5: Report of FillP — Data Link

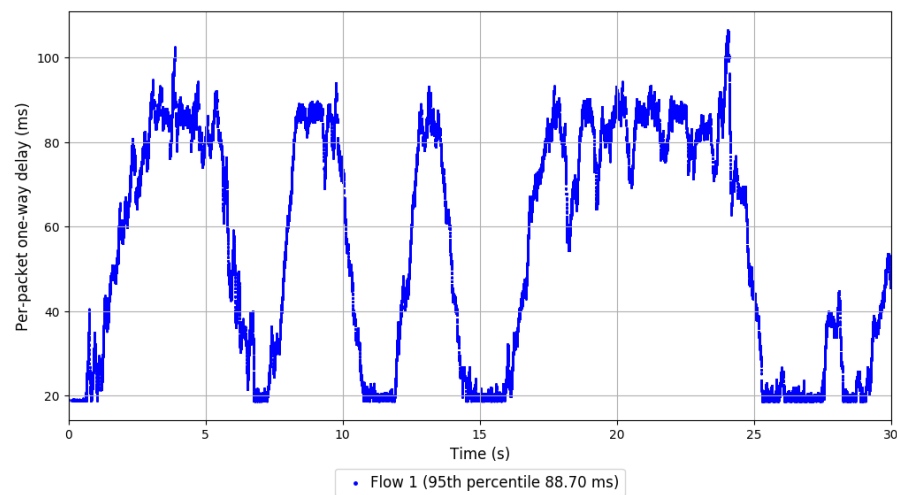
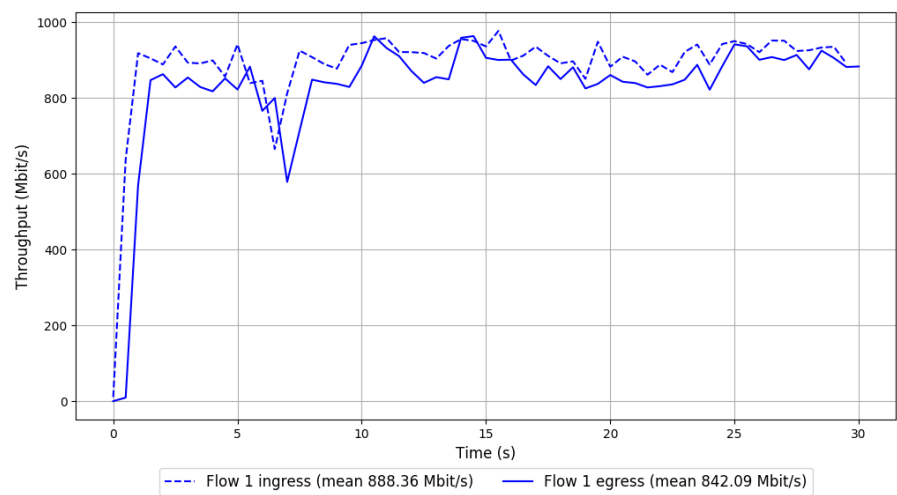


Run 6: Statistics of FillP

Start at: 2018-08-01 02:17:32
End at: 2018-08-01 02:18:02
Local clock offset: 0.383 ms
Remote clock offset: -2.413 ms

Below is generated by plot.py at 2018-08-01 05:05:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 842.09 Mbit/s
95th percentile per-packet one-way delay: 88.696 ms
Loss rate: 5.21%
-- Flow 1:
Average throughput: 842.09 Mbit/s
95th percentile per-packet one-way delay: 88.696 ms
Loss rate: 5.21%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-08-01 02:42:52

End at: 2018-08-01 02:43:22

Local clock offset: -3.173 ms

Remote clock offset: 0.112 ms

Below is generated by plot.py at 2018-08-01 05:05:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 773.79 Mbit/s

95th percentile per-packet one-way delay: 94.028 ms

Loss rate: 2.99%

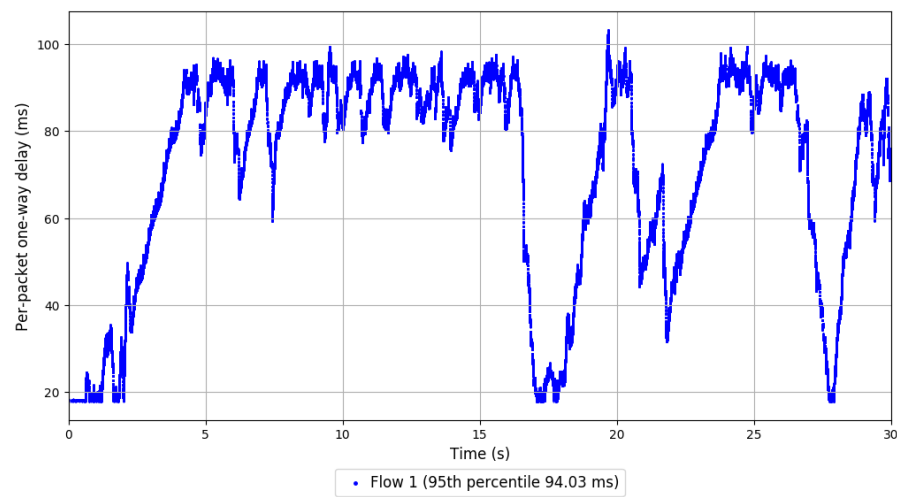
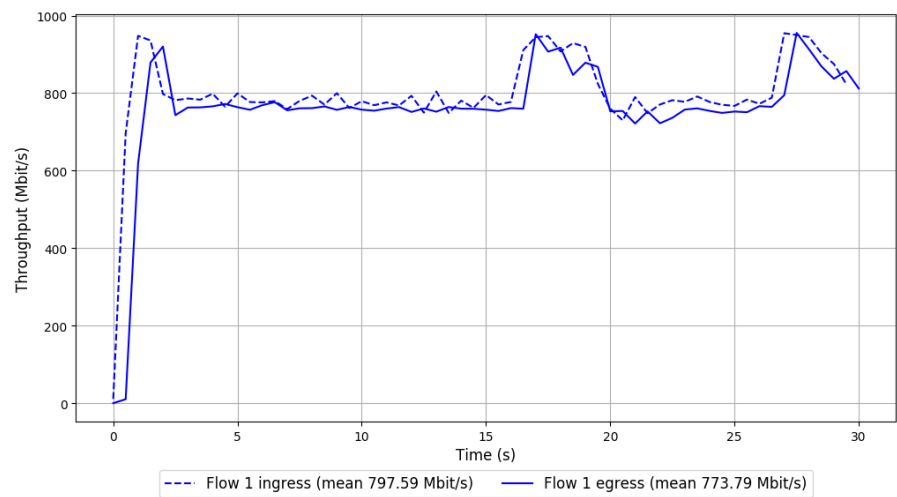
-- Flow 1:

Average throughput: 773.79 Mbit/s

95th percentile per-packet one-way delay: 94.028 ms

Loss rate: 2.99%

Run 7: Report of FillP — Data Link

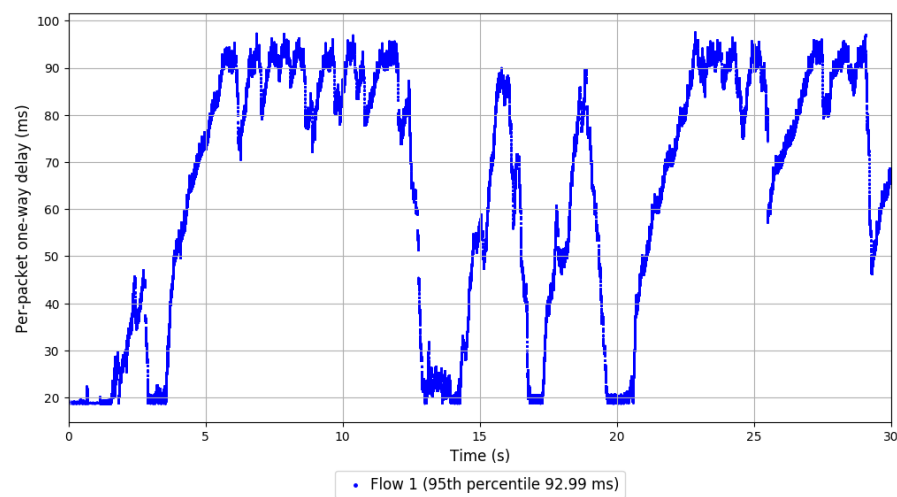
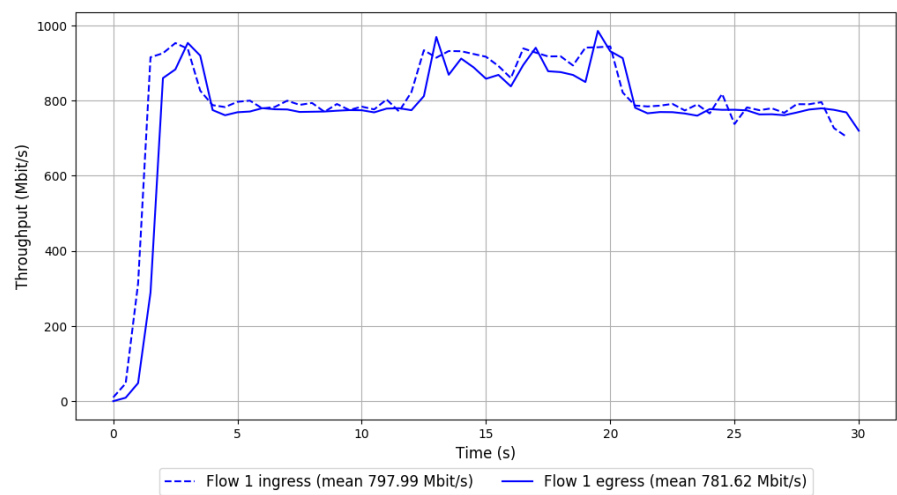


Run 8: Statistics of FillP

Start at: 2018-08-01 03:08:19
End at: 2018-08-01 03:08:49
Local clock offset: -0.083 ms
Remote clock offset: -4.308 ms

Below is generated by plot.py at 2018-08-01 05:06:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 781.62 Mbit/s
95th percentile per-packet one-way delay: 92.994 ms
Loss rate: 2.05%
-- Flow 1:
Average throughput: 781.62 Mbit/s
95th percentile per-packet one-way delay: 92.994 ms
Loss rate: 2.05%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-08-01 03:33:59

End at: 2018-08-01 03:34:29

Local clock offset: -1.839 ms

Remote clock offset: -3.31 ms

Below is generated by plot.py at 2018-08-01 05:13:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 723.70 Mbit/s

95th percentile per-packet one-way delay: 92.724 ms

Loss rate: 3.53%

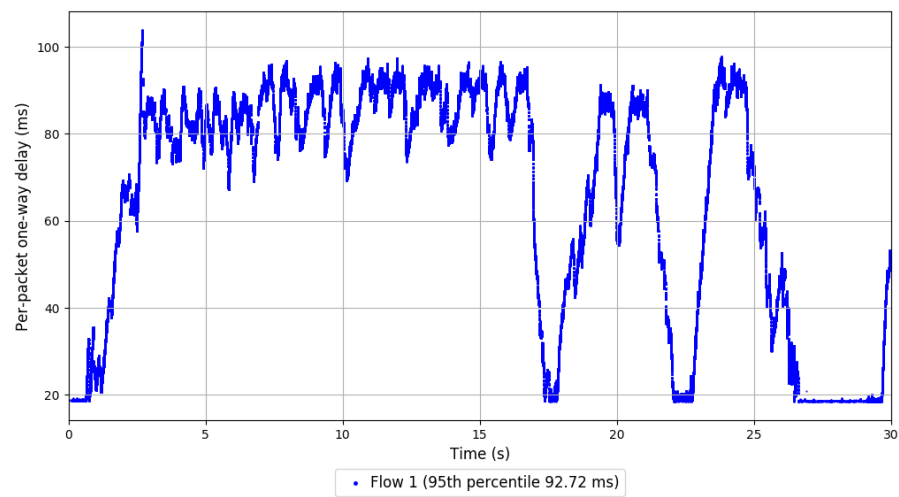
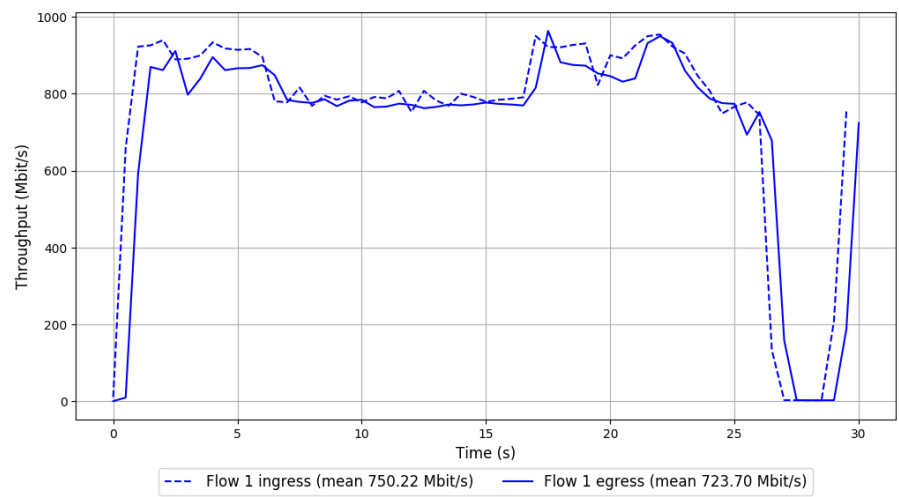
-- Flow 1:

Average throughput: 723.70 Mbit/s

95th percentile per-packet one-way delay: 92.724 ms

Loss rate: 3.53%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-08-01 03:59:38

End at: 2018-08-01 04:00:08

Local clock offset: -1.144 ms

Remote clock offset: -1.42 ms

Below is generated by plot.py at 2018-08-01 05:15:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 823.87 Mbit/s

95th percentile per-packet one-way delay: 91.466 ms

Loss rate: 6.01%

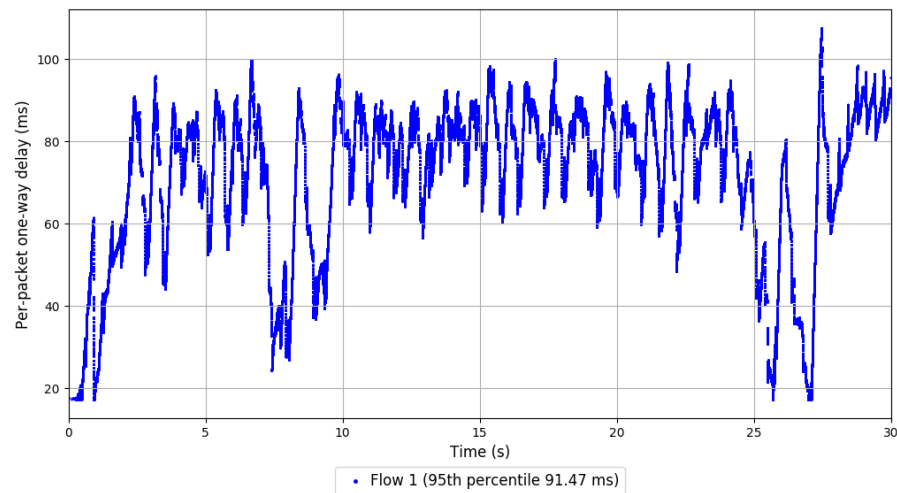
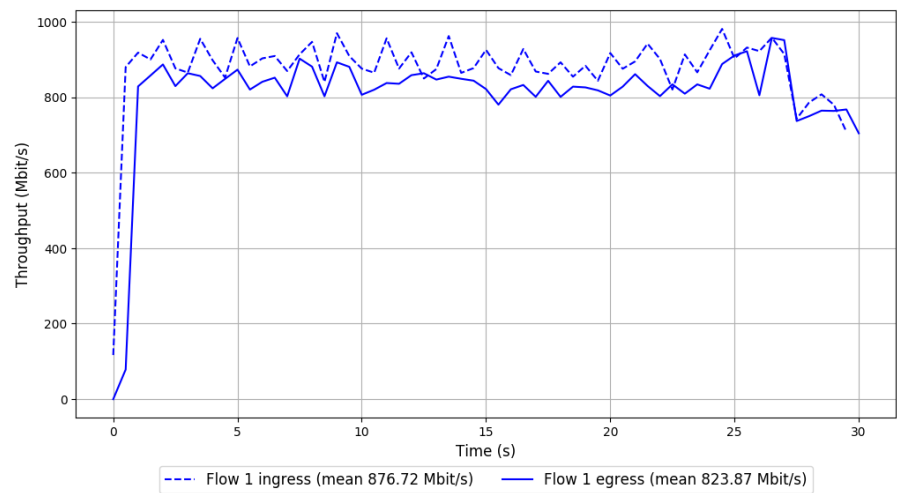
-- Flow 1:

Average throughput: 823.87 Mbit/s

95th percentile per-packet one-way delay: 91.466 ms

Loss rate: 6.01%

Run 10: Report of FillP — Data Link

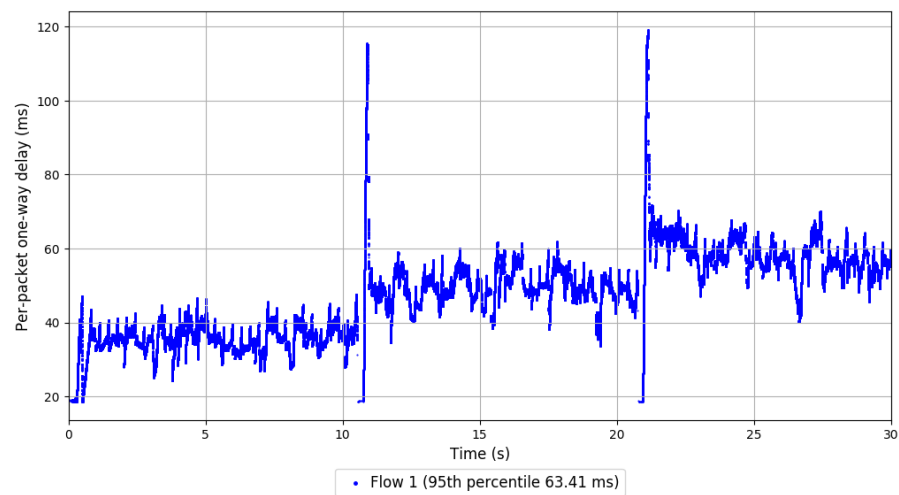
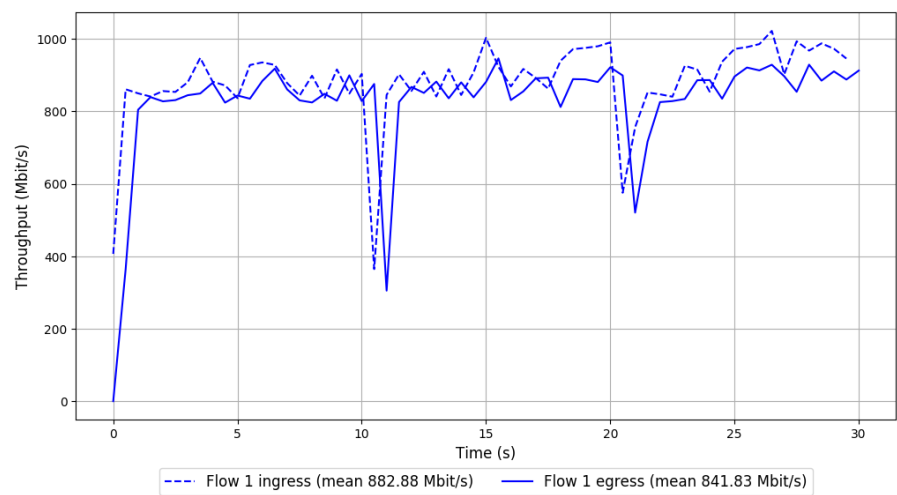


Run 1: Statistics of FillP-Sheep

Start at: 2018-08-01 00:02:09
End at: 2018-08-01 00:02:39
Local clock offset: -6.263 ms
Remote clock offset: -3.861 ms

Below is generated by plot.py at 2018-08-01 05:15:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 841.83 Mbit/s
95th percentile per-packet one-way delay: 63.406 ms
Loss rate: 4.65%
-- Flow 1:
Average throughput: 841.83 Mbit/s
95th percentile per-packet one-way delay: 63.406 ms
Loss rate: 4.65%

Run 1: Report of FillP-Sheep — Data Link

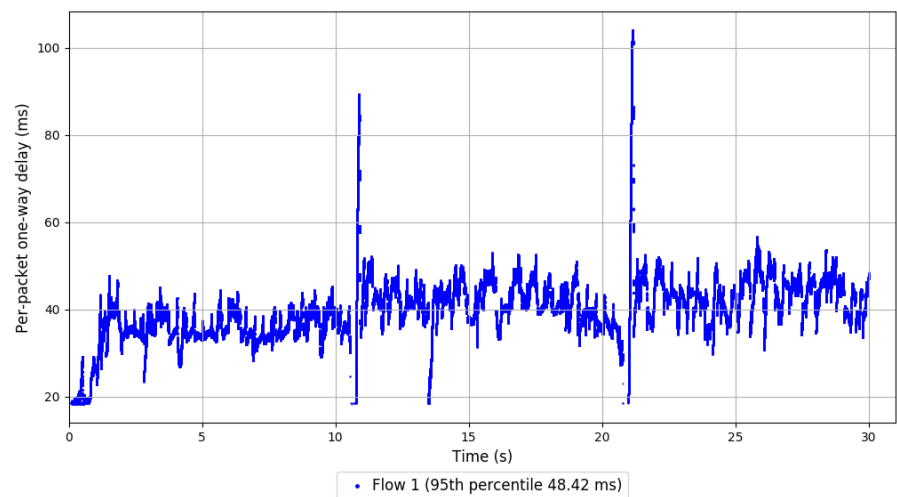
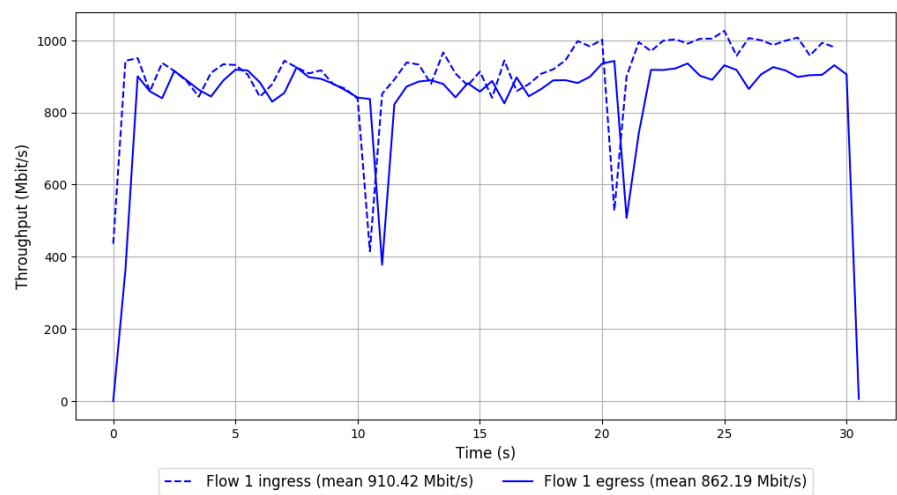


Run 2: Statistics of FillP-Sheep

Start at: 2018-08-01 00:27:39
End at: 2018-08-01 00:28:09
Local clock offset: -4.244 ms
Remote clock offset: -2.211 ms

Below is generated by plot.py at 2018-08-01 05:16:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 862.19 Mbit/s
95th percentile per-packet one-way delay: 48.425 ms
Loss rate: 5.30%
-- Flow 1:
Average throughput: 862.19 Mbit/s
95th percentile per-packet one-way delay: 48.425 ms
Loss rate: 5.30%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-08-01 00:53:12

End at: 2018-08-01 00:53:42

Local clock offset: 1.774 ms

Remote clock offset: 1.379 ms

Below is generated by plot.py at 2018-08-01 05:16:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 844.79 Mbit/s

95th percentile per-packet one-way delay: 59.068 ms

Loss rate: 4.23%

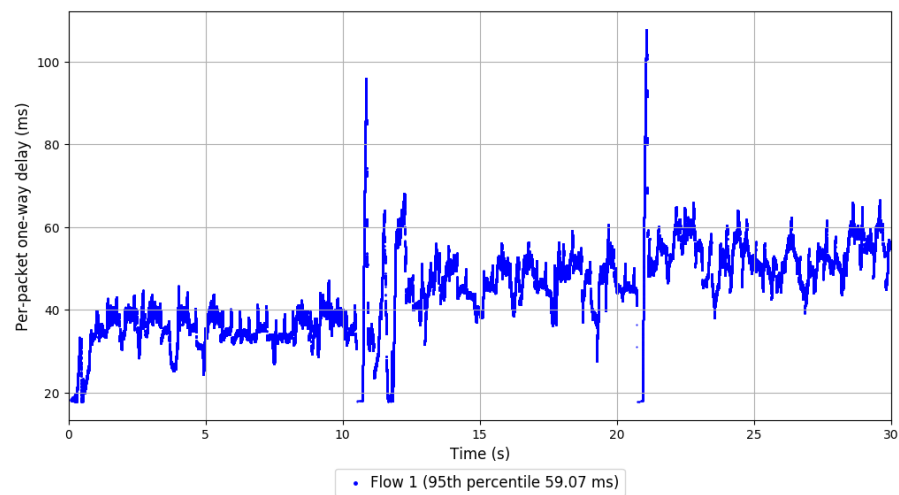
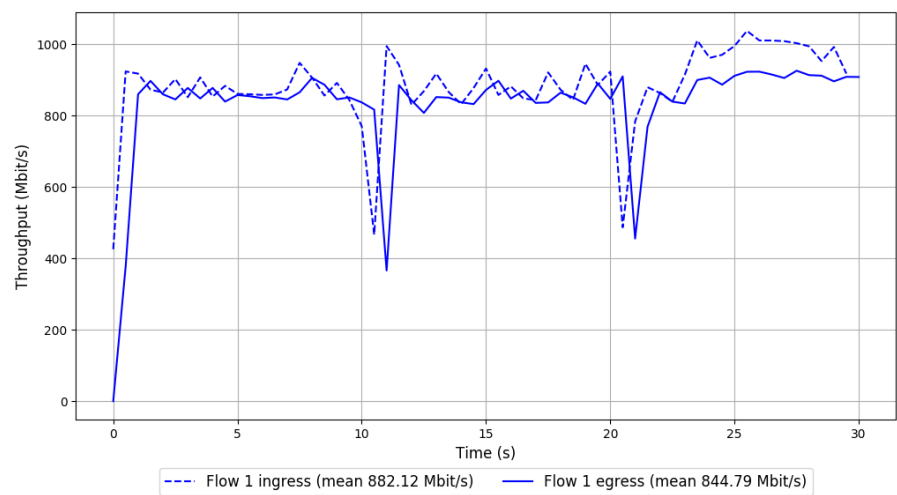
-- Flow 1:

Average throughput: 844.79 Mbit/s

95th percentile per-packet one-way delay: 59.068 ms

Loss rate: 4.23%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-08-01 01:18:55

End at: 2018-08-01 01:19:25

Local clock offset: 1.364 ms

Remote clock offset: 0.77 ms

Below is generated by plot.py at 2018-08-01 05:16:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 857.07 Mbit/s

95th percentile per-packet one-way delay: 43.476 ms

Loss rate: 6.10%

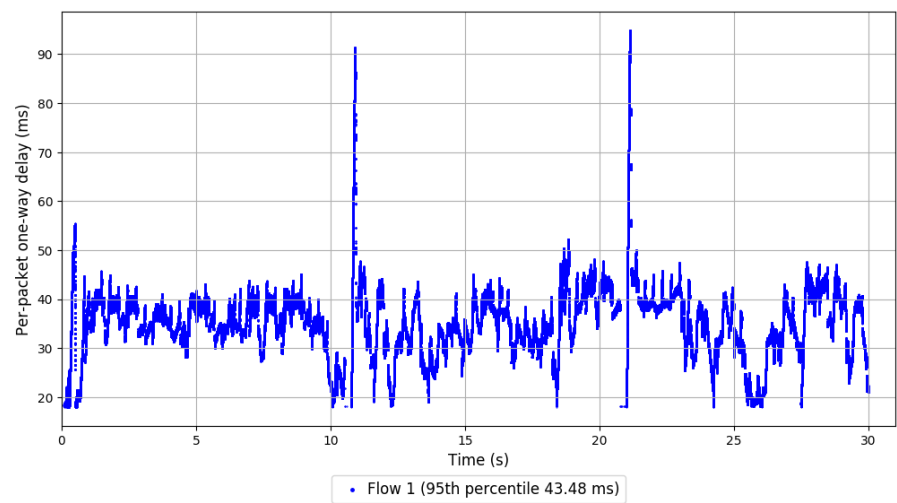
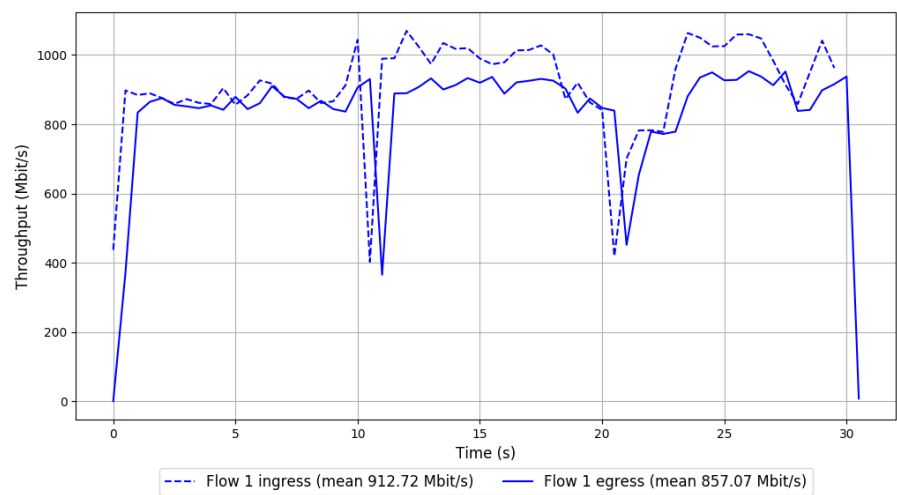
-- Flow 1:

Average throughput: 857.07 Mbit/s

95th percentile per-packet one-way delay: 43.476 ms

Loss rate: 6.10%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-08-01 01:44:28

End at: 2018-08-01 01:44:58

Local clock offset: 0.649 ms

Remote clock offset: -1.25 ms

Below is generated by plot.py at 2018-08-01 05:17:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 867.37 Mbit/s

95th percentile per-packet one-way delay: 49.539 ms

Loss rate: 6.95%

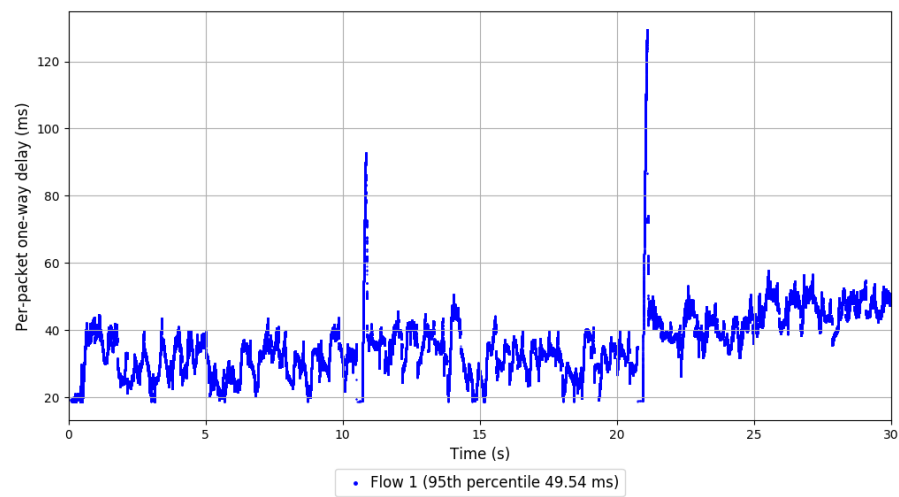
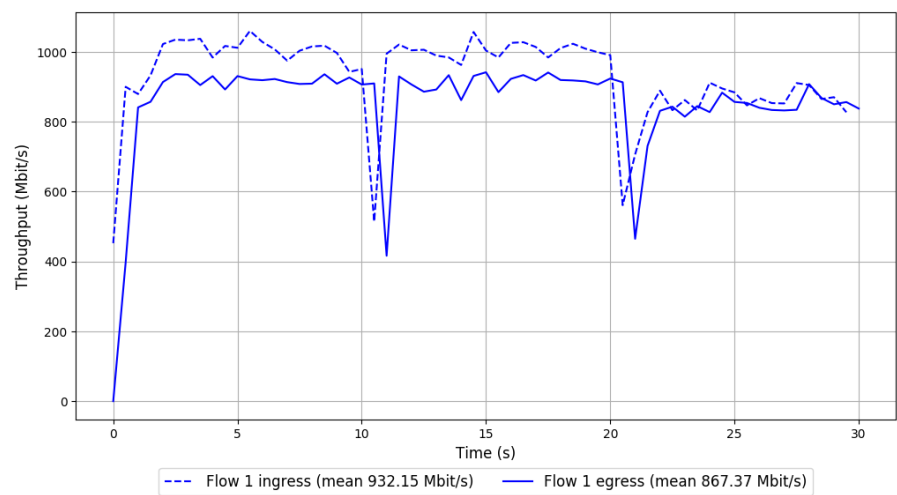
-- Flow 1:

Average throughput: 867.37 Mbit/s

95th percentile per-packet one-way delay: 49.539 ms

Loss rate: 6.95%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-08-01 02:10:02

End at: 2018-08-01 02:10:32

Local clock offset: 0.468 ms

Remote clock offset: -4.285 ms

Below is generated by plot.py at 2018-08-01 05:18:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 871.45 Mbit/s

95th percentile per-packet one-way delay: 51.717 ms

Loss rate: 6.85%

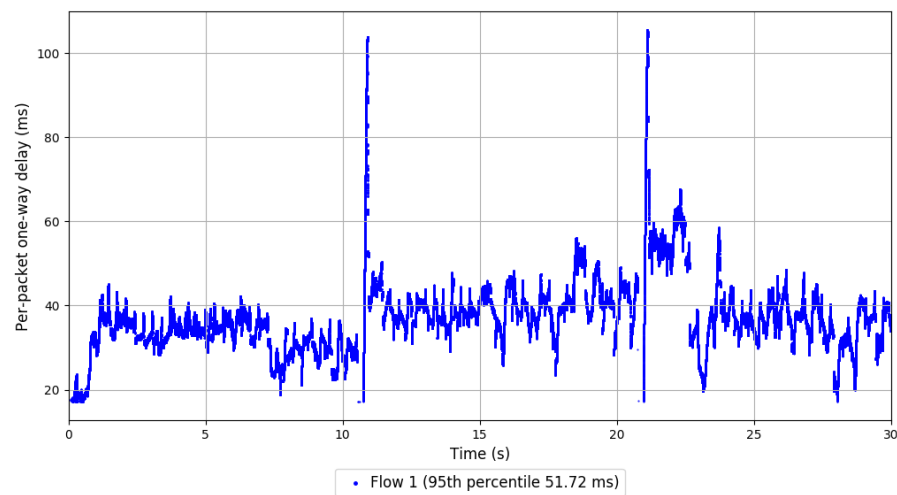
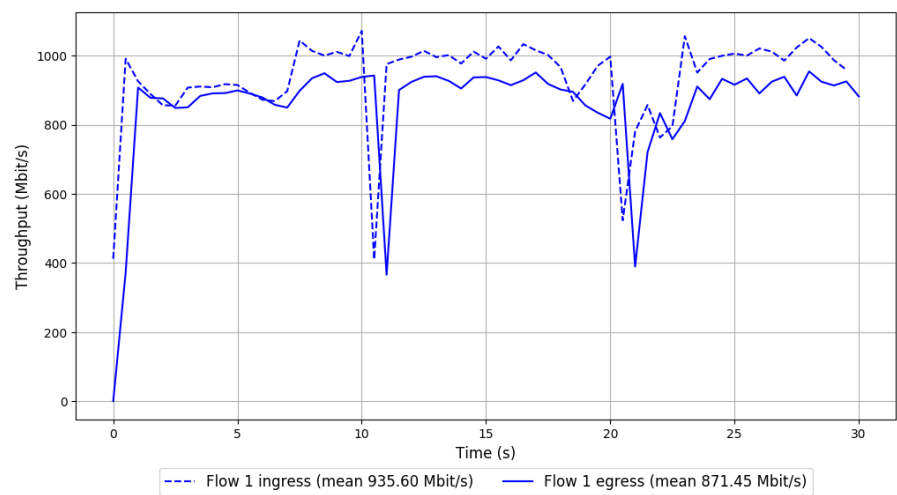
-- Flow 1:

Average throughput: 871.45 Mbit/s

95th percentile per-packet one-way delay: 51.717 ms

Loss rate: 6.85%

Run 6: Report of FillP-Sheep — Data Link

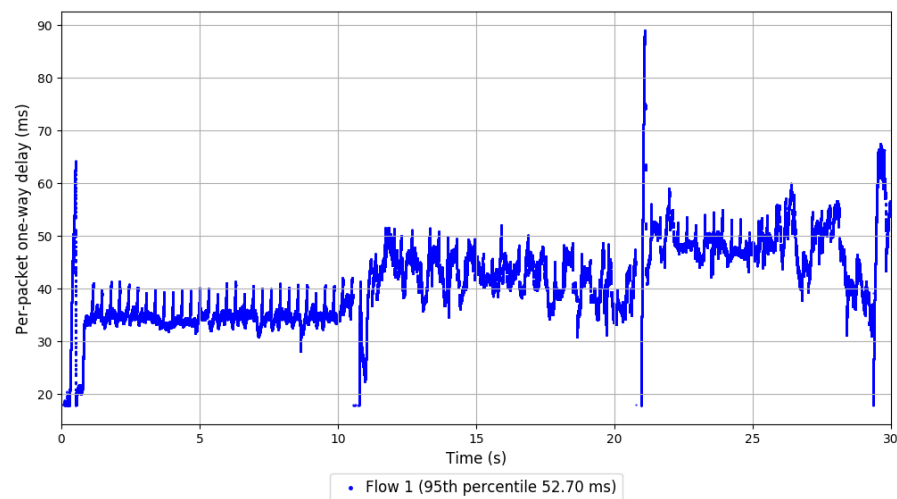
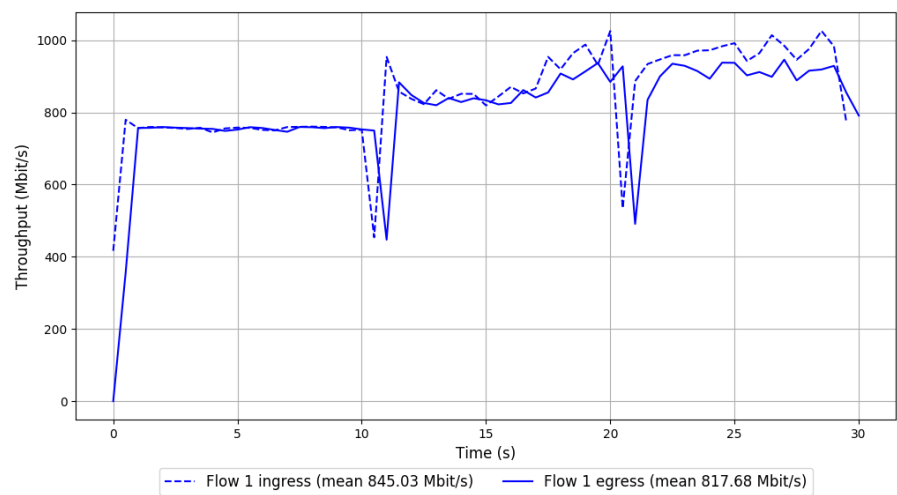


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-01 02:35:24
End at: 2018-08-01 02:35:54
Local clock offset: -2.421 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-08-01 05:25:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 817.68 Mbit/s
95th percentile per-packet one-way delay: 52.698 ms
Loss rate: 3.23%
-- Flow 1:
Average throughput: 817.68 Mbit/s
95th percentile per-packet one-way delay: 52.698 ms
Loss rate: 3.23%

Run 7: Report of FillP-Sheep — Data Link

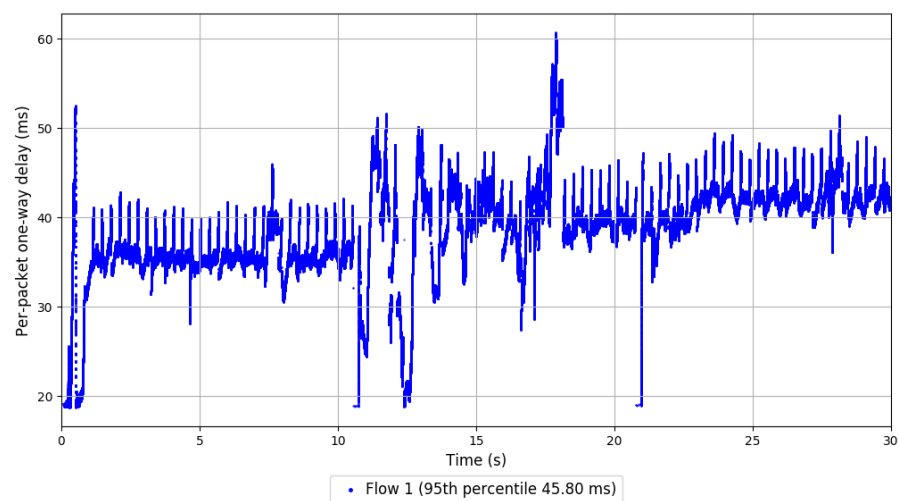
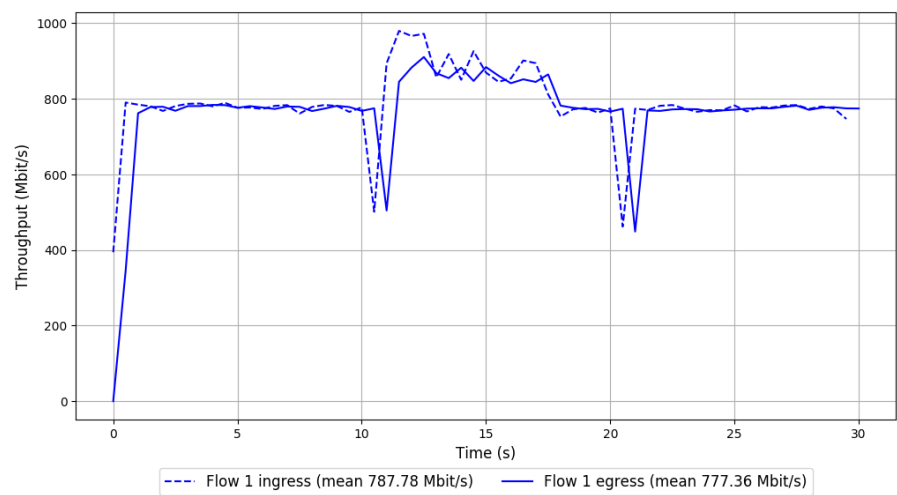


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-01 03:00:52
End at: 2018-08-01 03:01:22
Local clock offset: -1.224 ms
Remote clock offset: -3.507 ms

Below is generated by plot.py at 2018-08-01 05:26:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 777.36 Mbit/s
95th percentile per-packet one-way delay: 45.802 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 777.36 Mbit/s
95th percentile per-packet one-way delay: 45.802 ms
Loss rate: 1.33%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-08-01 03:26:26

End at: 2018-08-01 03:26:56

Local clock offset: -0.29 ms

Remote clock offset: -3.972 ms

Below is generated by plot.py at 2018-08-01 05:28:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 871.39 Mbit/s

95th percentile per-packet one-way delay: 46.816 ms

Loss rate: 6.94%

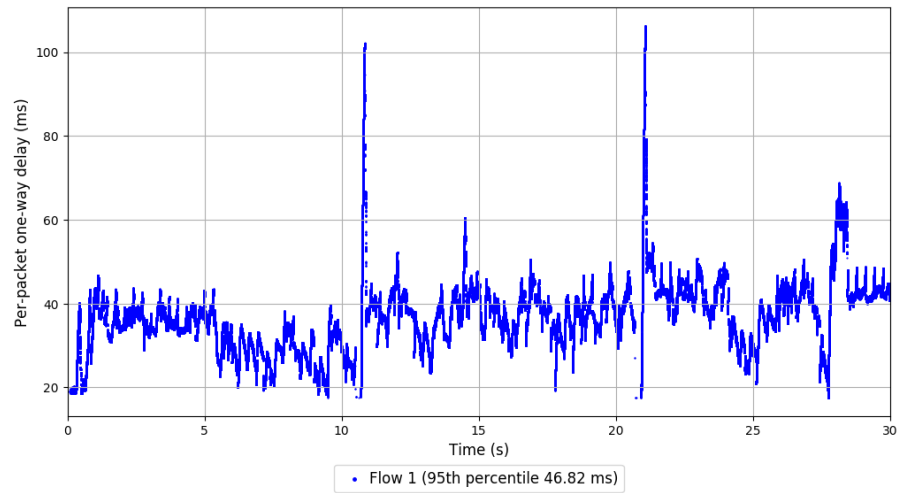
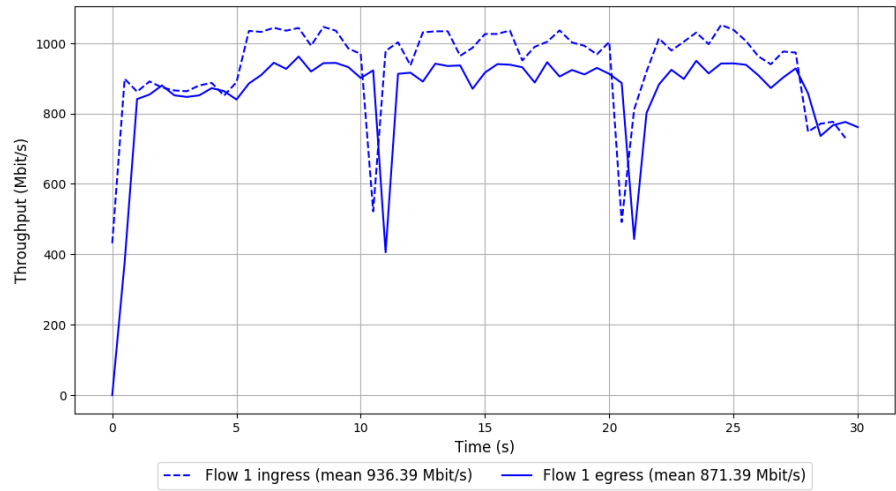
-- Flow 1:

Average throughput: 871.39 Mbit/s

95th percentile per-packet one-way delay: 46.816 ms

Loss rate: 6.94%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-08-01 03:52:06

End at: 2018-08-01 03:52:36

Local clock offset: -3.187 ms

Remote clock offset: -3.02 ms

Below is generated by plot.py at 2018-08-01 05:28:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 821.62 Mbit/s

95th percentile per-packet one-way delay: 53.825 ms

Loss rate: 4.79%

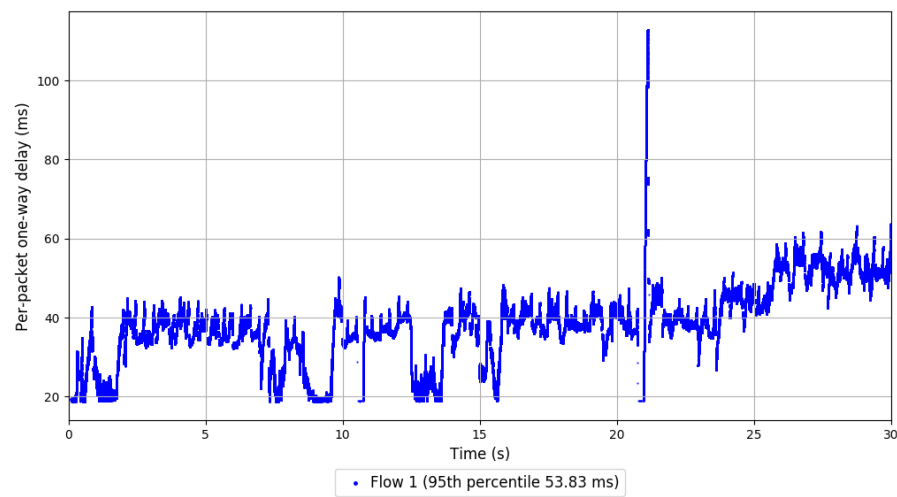
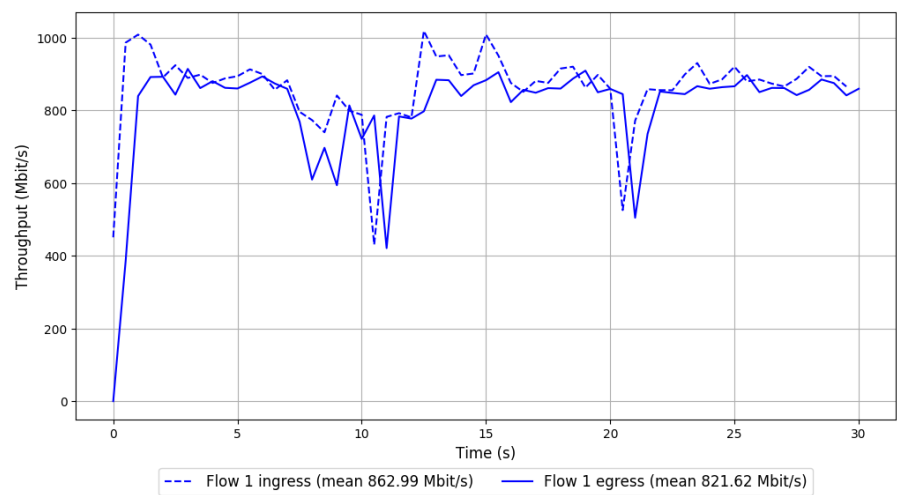
-- Flow 1:

Average throughput: 821.62 Mbit/s

95th percentile per-packet one-way delay: 53.825 ms

Loss rate: 4.79%

Run 10: Report of FillP-Sheep — Data Link

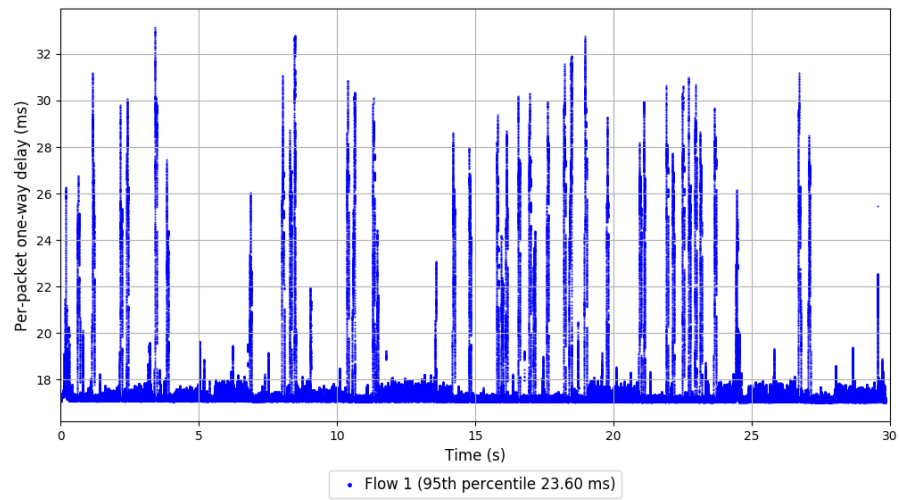
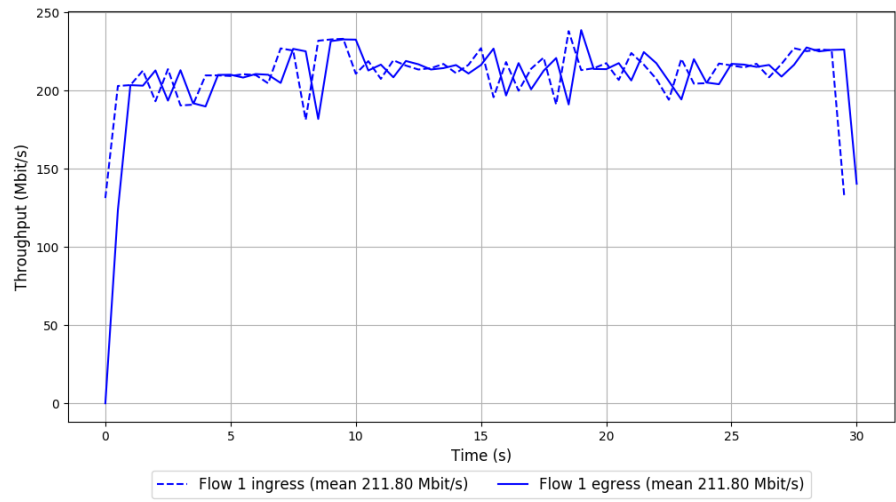


Run 1: Statistics of Indigo

Start at: 2018-08-01 00:18:40
End at: 2018-08-01 00:19:10
Local clock offset: -7.65 ms
Remote clock offset: -2.558 ms

Below is generated by plot.py at 2018-08-01 05:28:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 211.80 Mbit/s
95th percentile per-packet one-way delay: 23.597 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 211.80 Mbit/s
95th percentile per-packet one-way delay: 23.597 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-08-01 00:44:02

End at: 2018-08-01 00:44:32

Local clock offset: 0.885 ms

Remote clock offset: 0.563 ms

Below is generated by plot.py at 2018-08-01 05:28:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.40 Mbit/s

95th percentile per-packet one-way delay: 24.296 ms

Loss rate: 0.04%

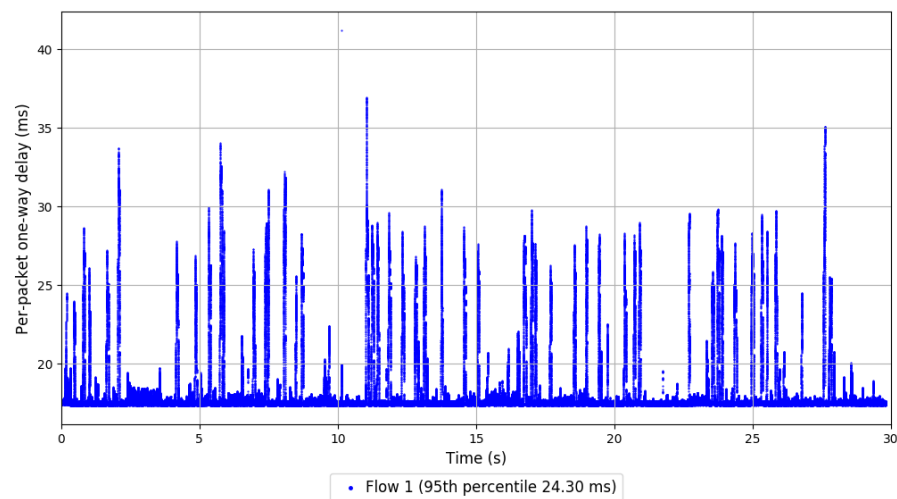
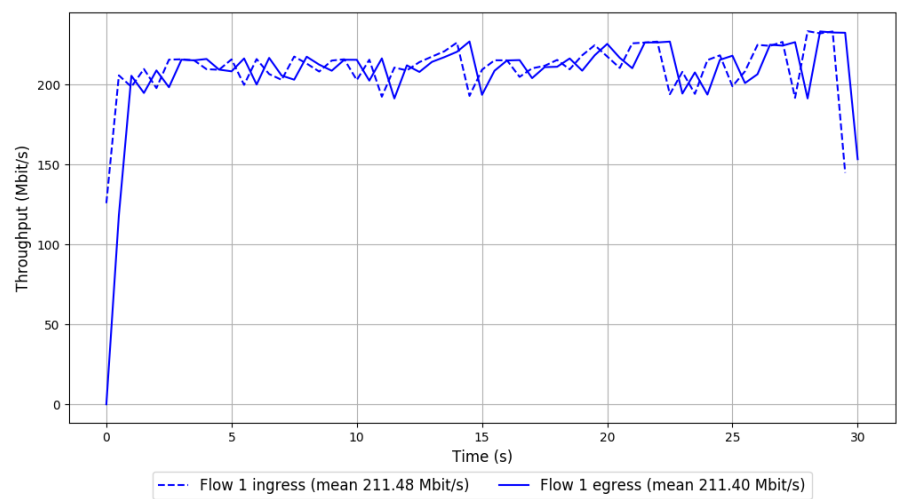
-- Flow 1:

Average throughput: 211.40 Mbit/s

95th percentile per-packet one-way delay: 24.296 ms

Loss rate: 0.04%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-08-01 01:09:48

End at: 2018-08-01 01:10:18

Local clock offset: 1.065 ms

Remote clock offset: 1.225 ms

Below is generated by plot.py at 2018-08-01 05:28:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.60 Mbit/s

95th percentile per-packet one-way delay: 21.900 ms

Loss rate: 0.00%

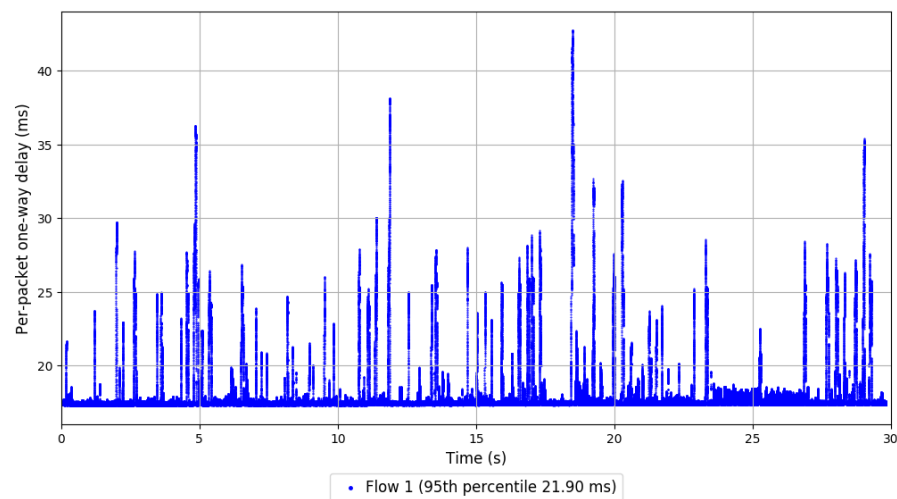
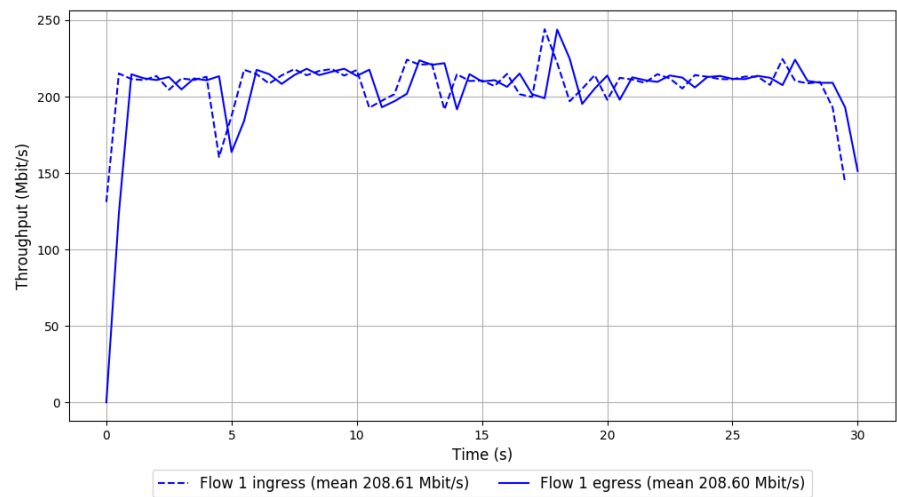
-- Flow 1:

Average throughput: 208.60 Mbit/s

95th percentile per-packet one-way delay: 21.900 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-08-01 01:35:26

End at: 2018-08-01 01:35:56

Local clock offset: 0.728 ms

Remote clock offset: 0.863 ms

Below is generated by plot.py at 2018-08-01 05:28:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.09 Mbit/s

95th percentile per-packet one-way delay: 21.493 ms

Loss rate: 0.00%

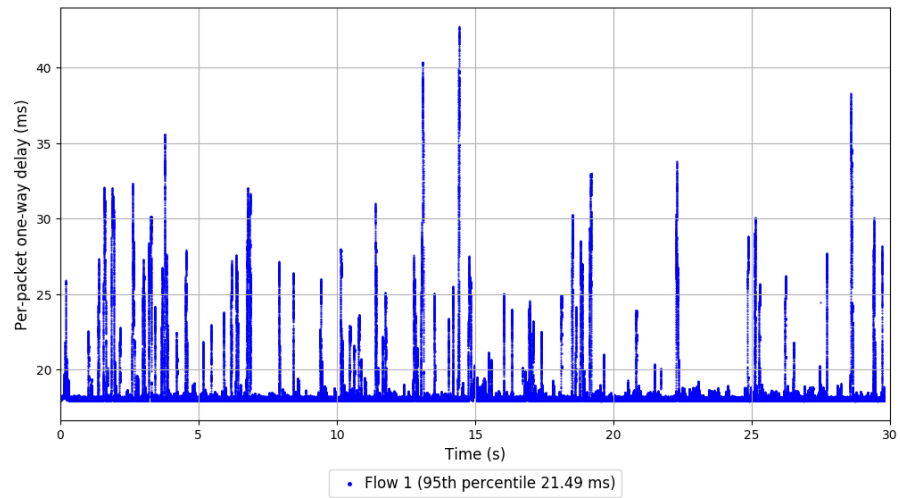
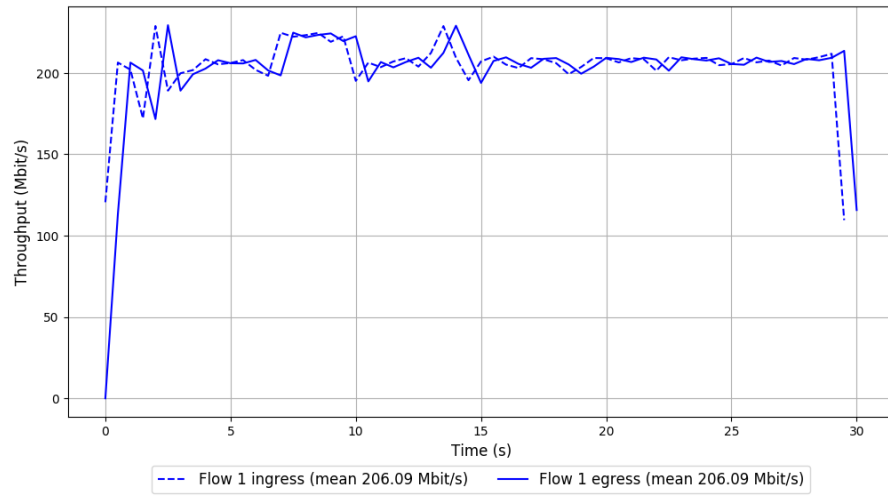
-- Flow 1:

Average throughput: 206.09 Mbit/s

95th percentile per-packet one-way delay: 21.493 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

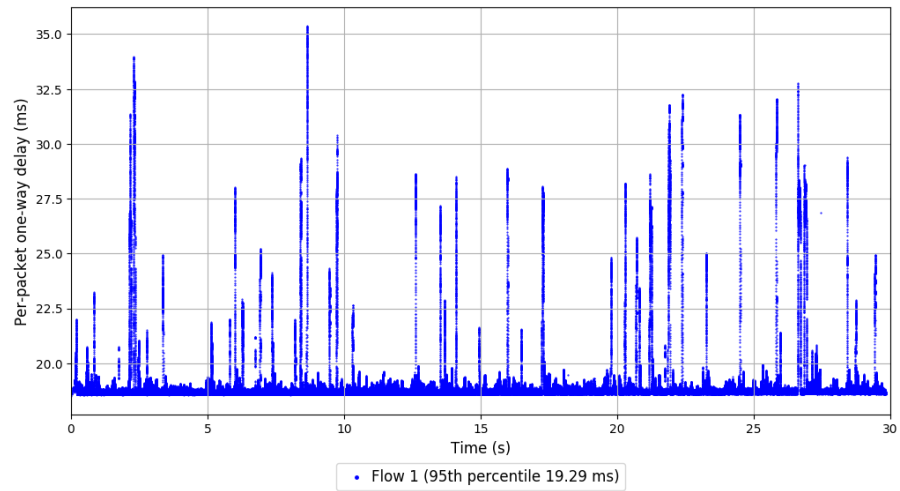
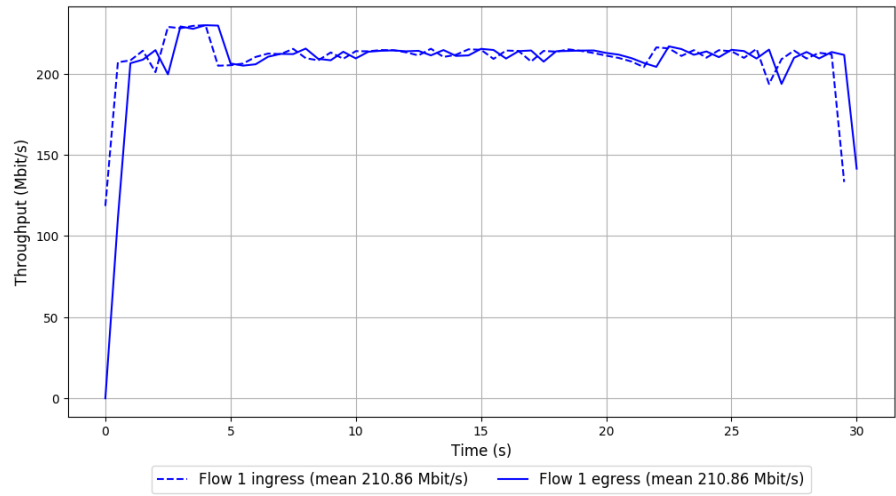


Run 5: Statistics of Indigo

Start at: 2018-08-01 02:00:55
End at: 2018-08-01 02:01:25
Local clock offset: 0.525 ms
Remote clock offset: -3.716 ms

Below is generated by plot.py at 2018-08-01 05:28:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 210.86 Mbit/s
95th percentile per-packet one-way delay: 19.286 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 210.86 Mbit/s
95th percentile per-packet one-way delay: 19.286 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

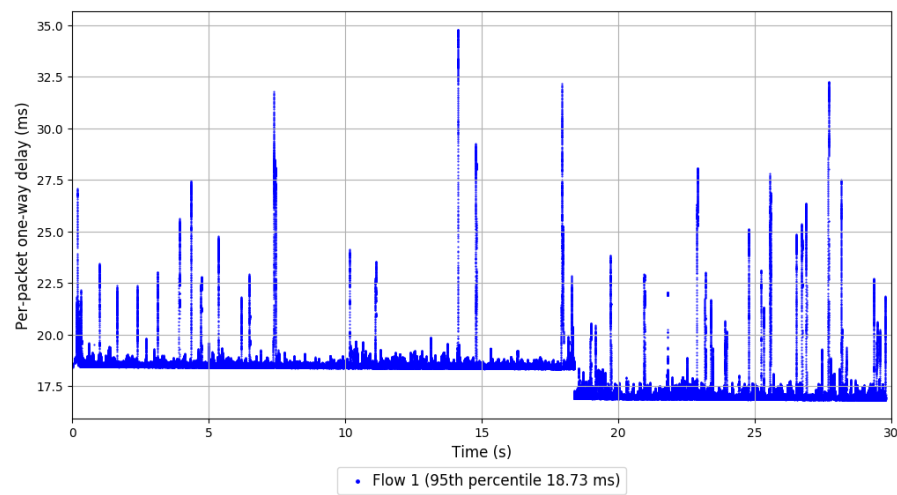
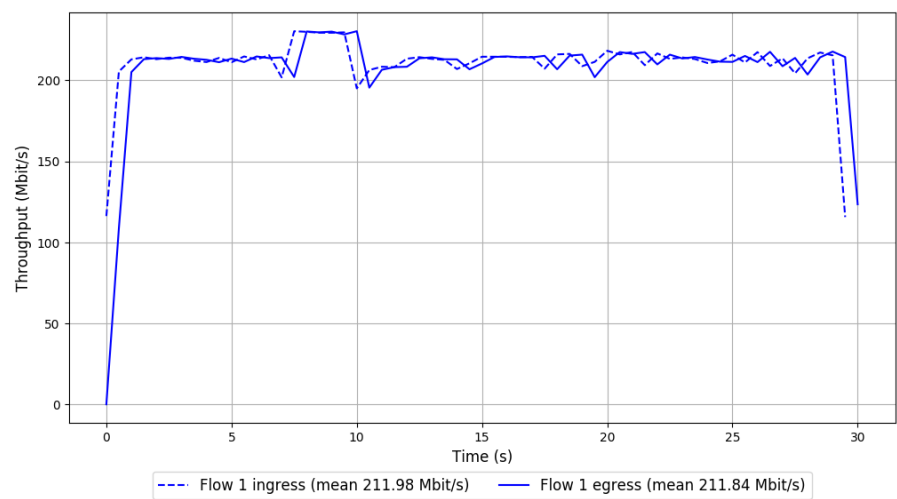


Run 6: Statistics of Indigo

Start at: 2018-08-01 02:26:27
End at: 2018-08-01 02:26:57
Local clock offset: -0.72 ms
Remote clock offset: -0.788 ms

Below is generated by plot.py at 2018-08-01 05:28:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 211.84 Mbit/s
95th percentile per-packet one-way delay: 18.727 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 211.84 Mbit/s
95th percentile per-packet one-way delay: 18.727 ms
Loss rate: 0.07%

Run 6: Report of Indigo — Data Link

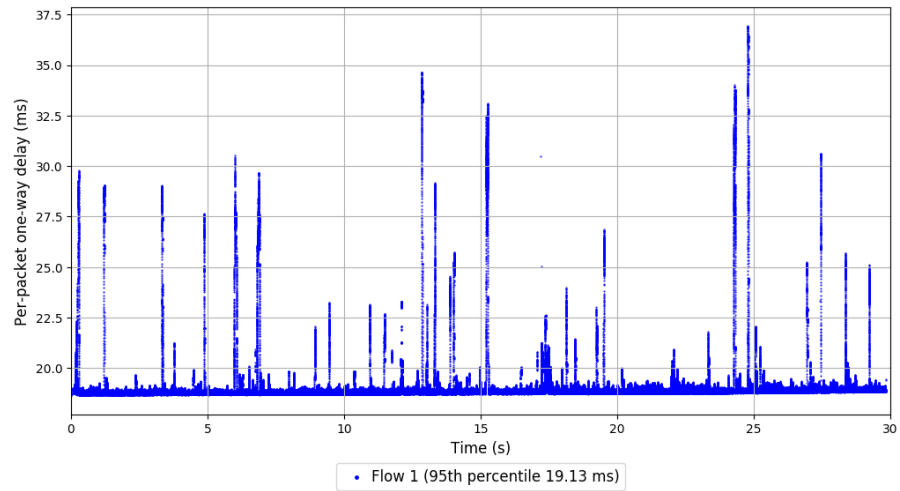
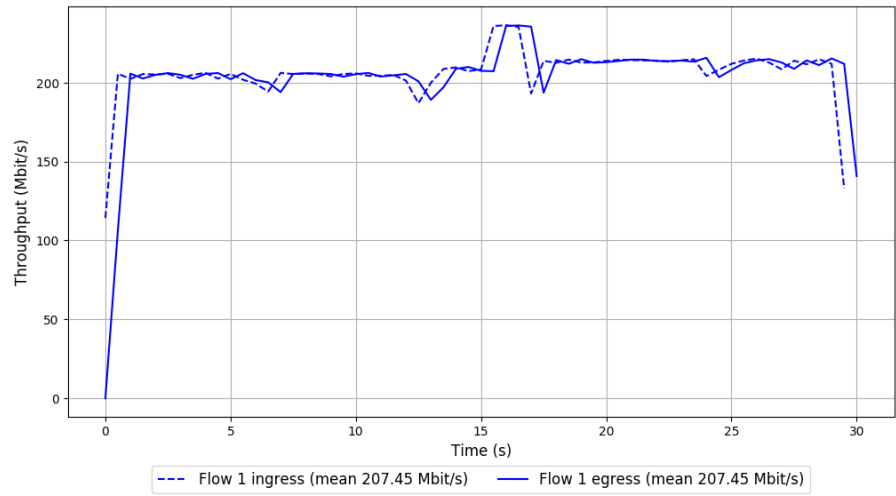


Run 7: Statistics of Indigo

Start at: 2018-08-01 02:51:49
End at: 2018-08-01 02:52:19
Local clock offset: -3.749 ms
Remote clock offset: -1.715 ms

Below is generated by plot.py at 2018-08-01 05:28:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 207.45 Mbit/s
95th percentile per-packet one-way delay: 19.132 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 207.45 Mbit/s
95th percentile per-packet one-way delay: 19.132 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

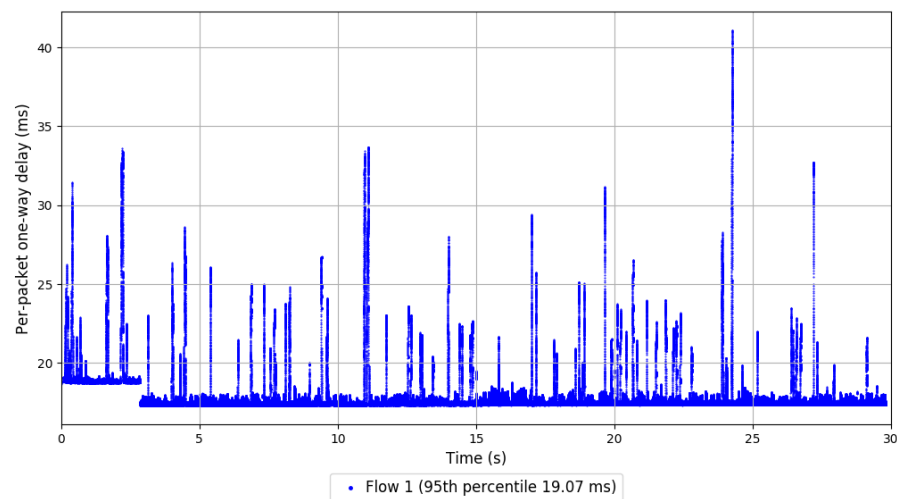
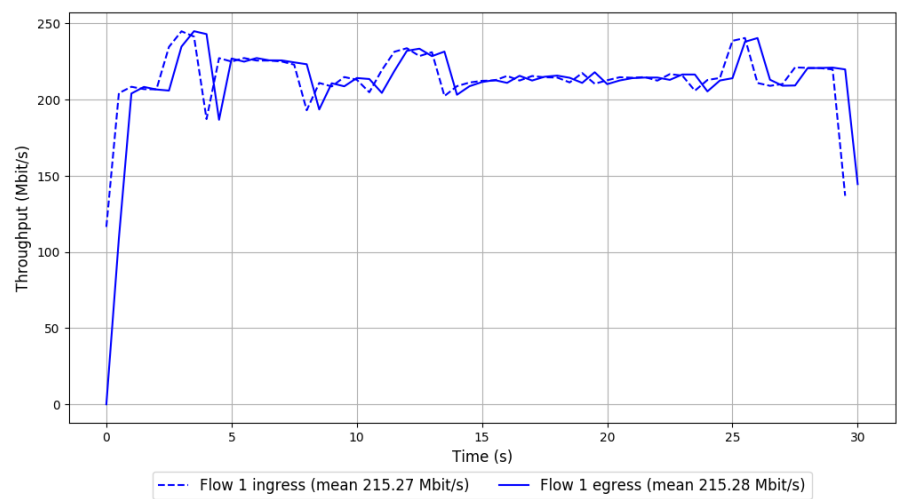


Run 8: Statistics of Indigo

Start at: 2018-08-01 03:17:19
End at: 2018-08-01 03:17:49
Local clock offset: 0.643 ms
Remote clock offset: -4.743 ms

Below is generated by plot.py at 2018-08-01 05:28:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 215.28 Mbit/s
95th percentile per-packet one-way delay: 19.067 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 215.28 Mbit/s
95th percentile per-packet one-way delay: 19.067 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

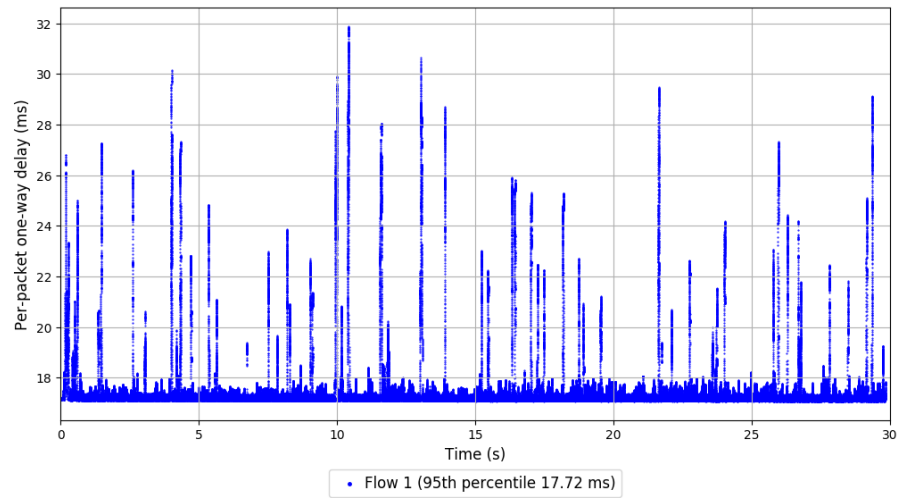
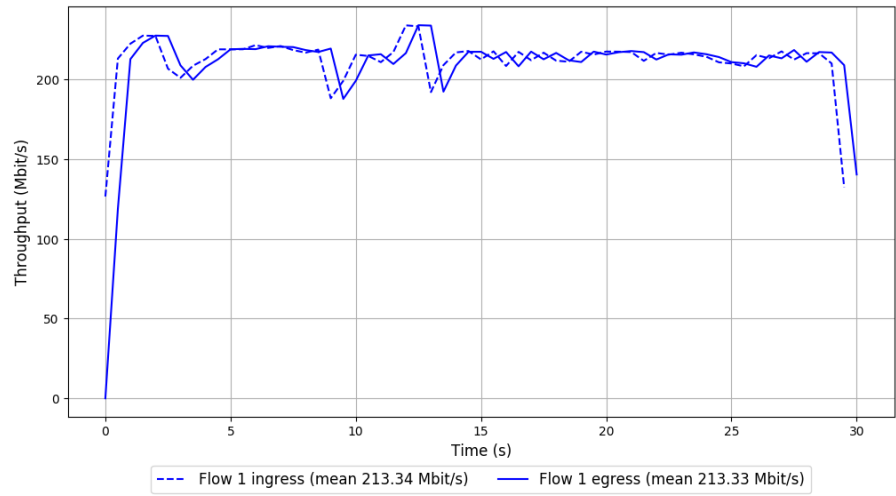


Run 9: Statistics of Indigo

Start at: 2018-08-01 03:42:54
End at: 2018-08-01 03:43:24
Local clock offset: -2.662 ms
Remote clock offset: -3.077 ms

Below is generated by plot.py at 2018-08-01 05:28:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 213.33 Mbit/s
95th percentile per-packet one-way delay: 17.721 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 213.33 Mbit/s
95th percentile per-packet one-way delay: 17.721 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-08-01 04:08:43

End at: 2018-08-01 04:09:13

Local clock offset: 0.111 ms

Remote clock offset: 0.285 ms

Below is generated by plot.py at 2018-08-01 05:28:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 111.91 Mbit/s

95th percentile per-packet one-way delay: 20.003 ms

Loss rate: 0.00%

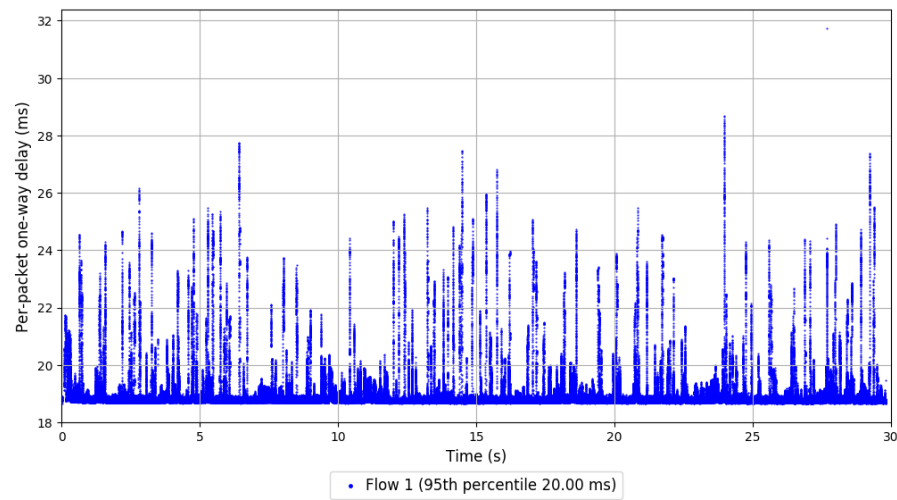
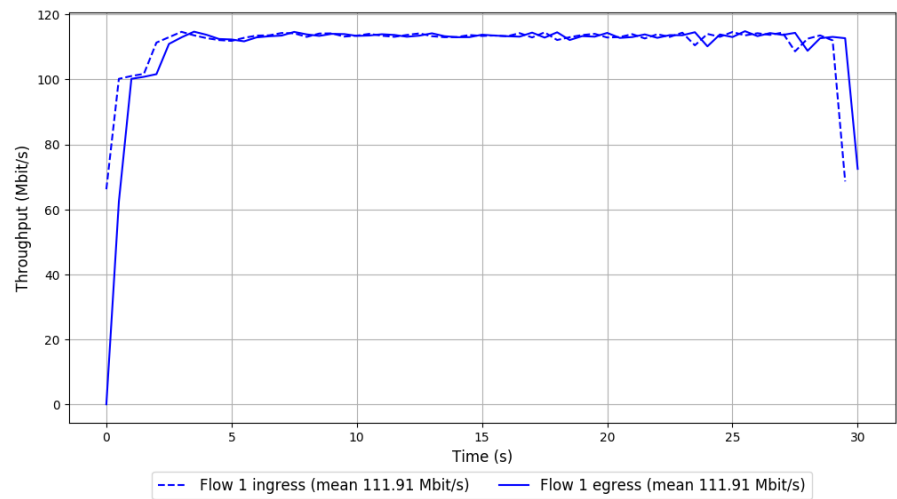
-- Flow 1:

Average throughput: 111.91 Mbit/s

95th percentile per-packet one-way delay: 20.003 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

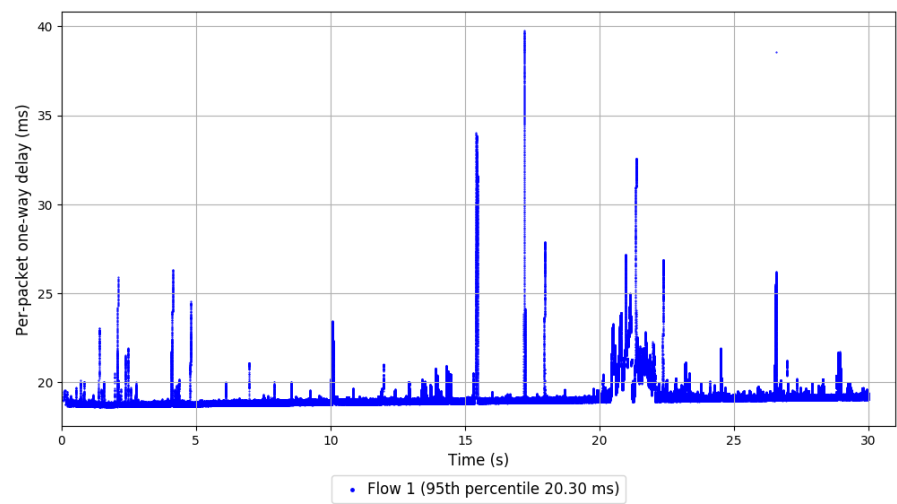
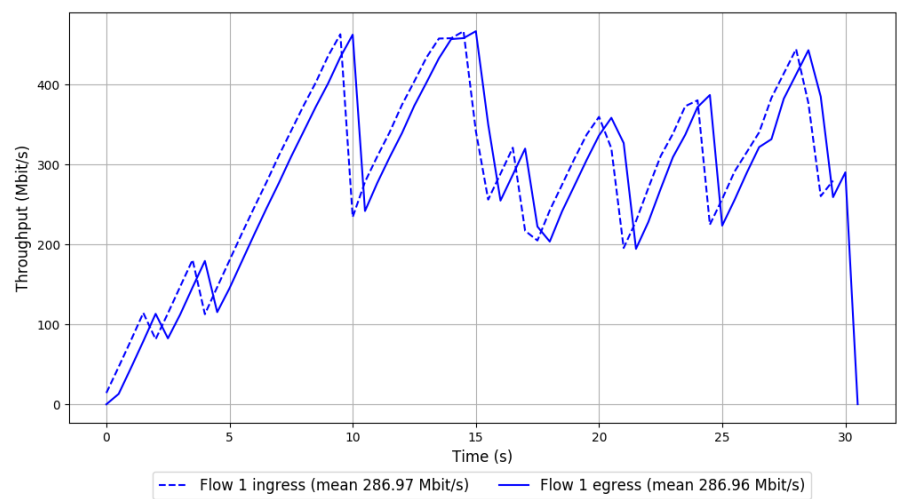


Run 1: Statistics of LEDBAT

Start at: 2018-08-01 00:23:22
End at: 2018-08-01 00:23:52
Local clock offset: -7.639 ms
Remote clock offset: -2.352 ms

Below is generated by plot.py at 2018-08-01 05:28:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 286.96 Mbit/s
95th percentile per-packet one-way delay: 20.302 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 286.96 Mbit/s
95th percentile per-packet one-way delay: 20.302 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-08-01 00:48:50

End at: 2018-08-01 00:49:20

Local clock offset: 1.39 ms

Remote clock offset: 0.884 ms

Below is generated by plot.py at 2018-08-01 05:28:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 326.83 Mbit/s

95th percentile per-packet one-way delay: 19.546 ms

Loss rate: 0.00%

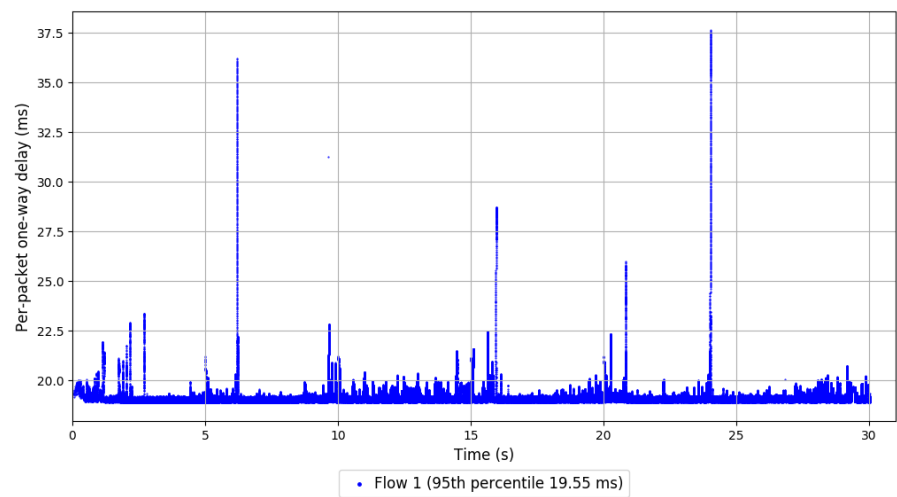
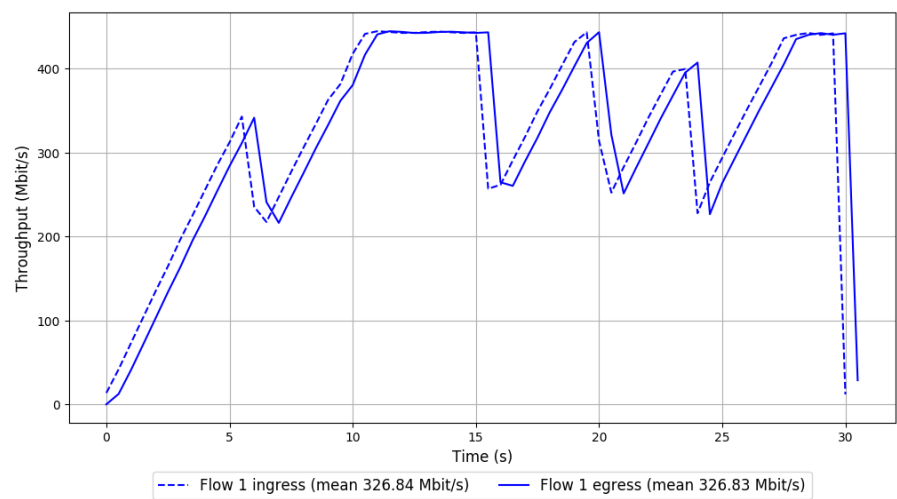
-- Flow 1:

Average throughput: 326.83 Mbit/s

95th percentile per-packet one-way delay: 19.546 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-08-01 01:14:33

End at: 2018-08-01 01:15:03

Local clock offset: 1.16 ms

Remote clock offset: 0.799 ms

Below is generated by plot.py at 2018-08-01 05:28:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 361.29 Mbit/s

95th percentile per-packet one-way delay: 19.253 ms

Loss rate: 0.01%

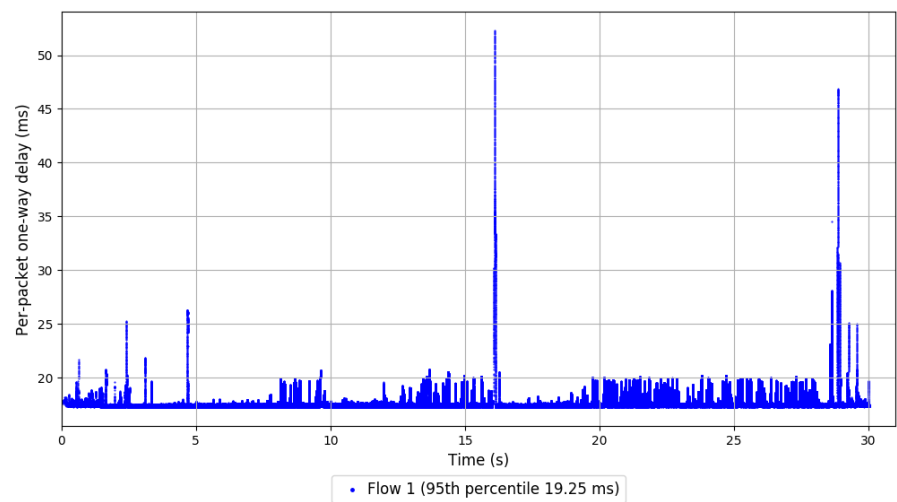
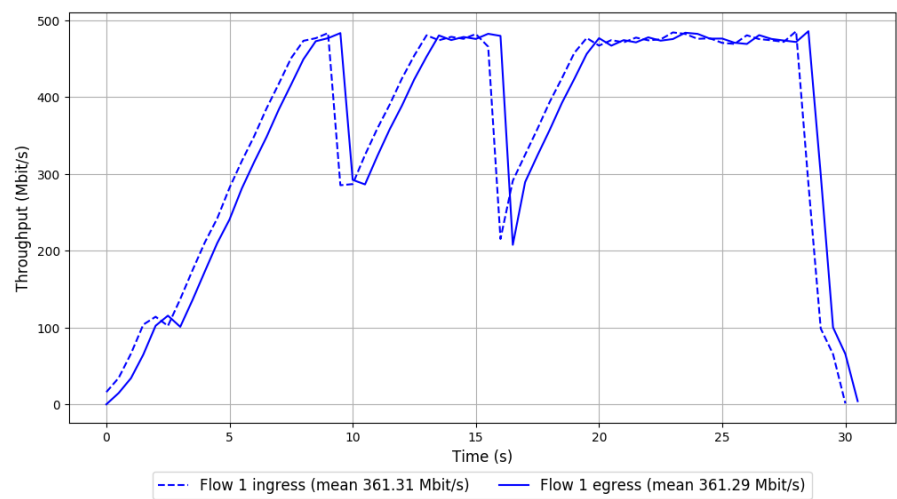
-- Flow 1:

Average throughput: 361.29 Mbit/s

95th percentile per-packet one-way delay: 19.253 ms

Loss rate: 0.01%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-08-01 01:40:10

End at: 2018-08-01 01:40:40

Local clock offset: 0.552 ms

Remote clock offset: 0.057 ms

Below is generated by plot.py at 2018-08-01 05:28:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 355.43 Mbit/s

95th percentile per-packet one-way delay: 19.952 ms

Loss rate: 0.02%

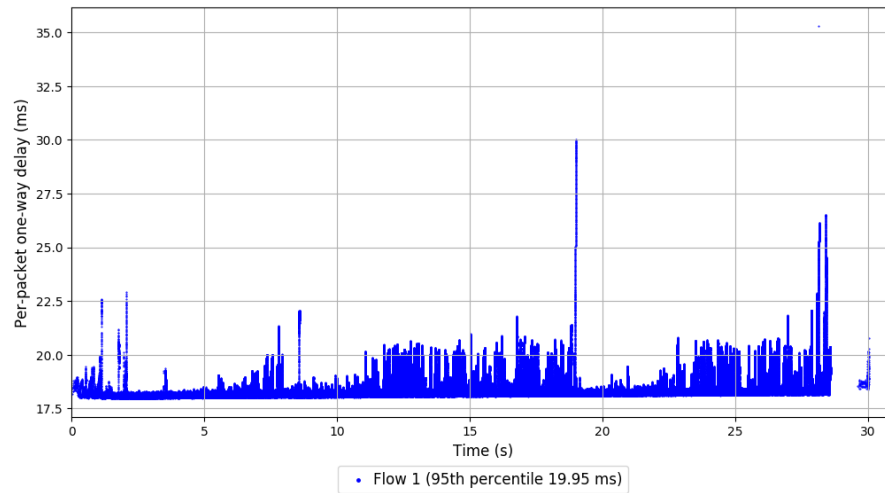
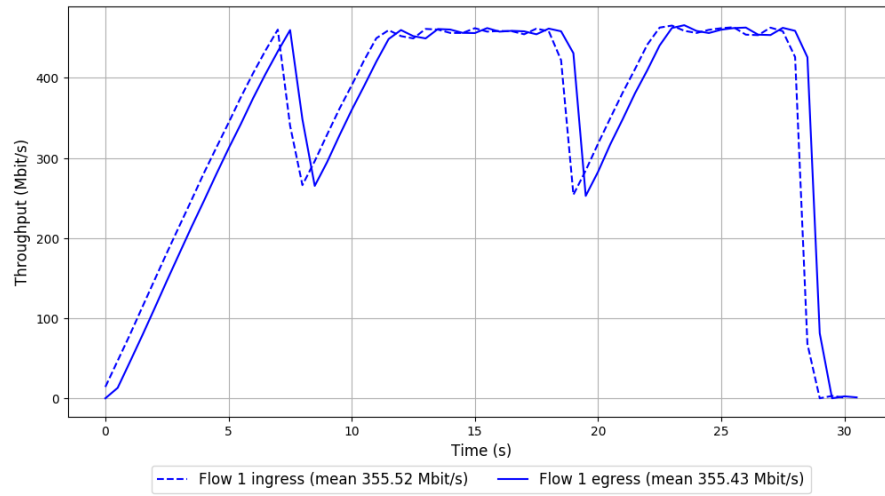
-- Flow 1:

Average throughput: 355.43 Mbit/s

95th percentile per-packet one-way delay: 19.952 ms

Loss rate: 0.02%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-08-01 02:05:44

End at: 2018-08-01 02:06:14

Local clock offset: 0.467 ms

Remote clock offset: -4.0 ms

Below is generated by plot.py at 2018-08-01 05:28:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 309.88 Mbit/s

95th percentile per-packet one-way delay: 19.594 ms

Loss rate: 0.01%

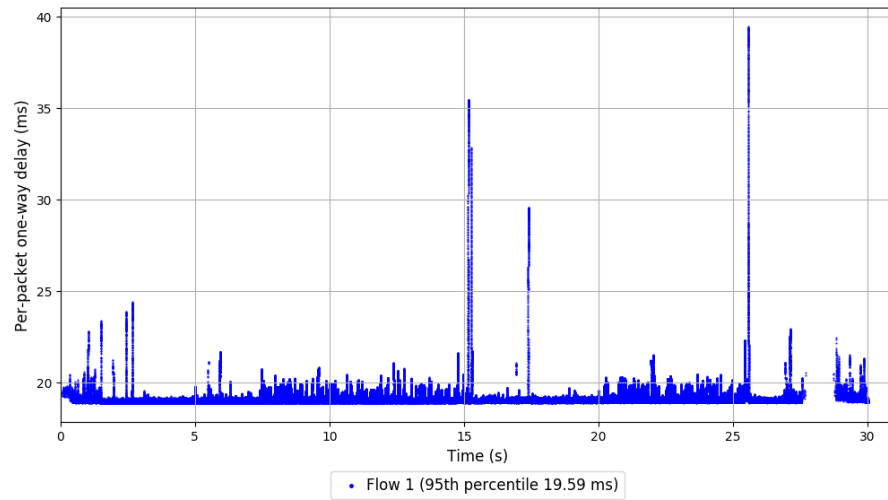
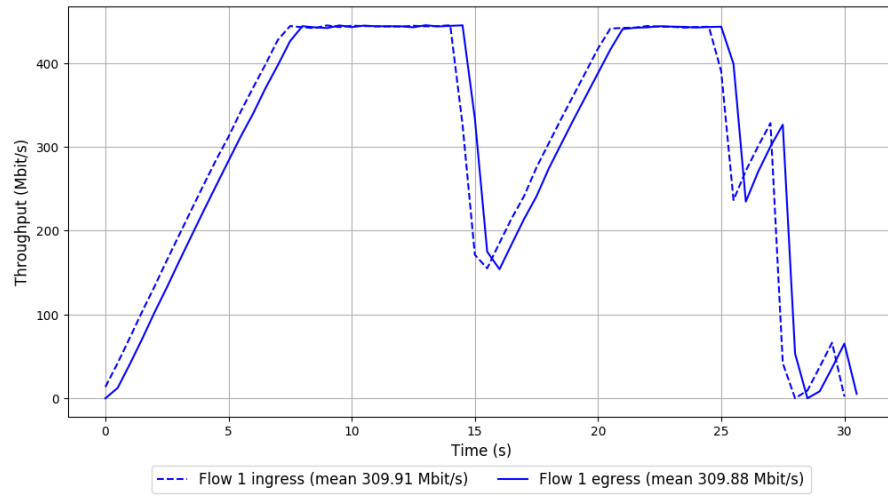
-- Flow 1:

Average throughput: 309.88 Mbit/s

95th percentile per-packet one-way delay: 19.594 ms

Loss rate: 0.01%

Run 5: Report of LEDBAT — Data Link

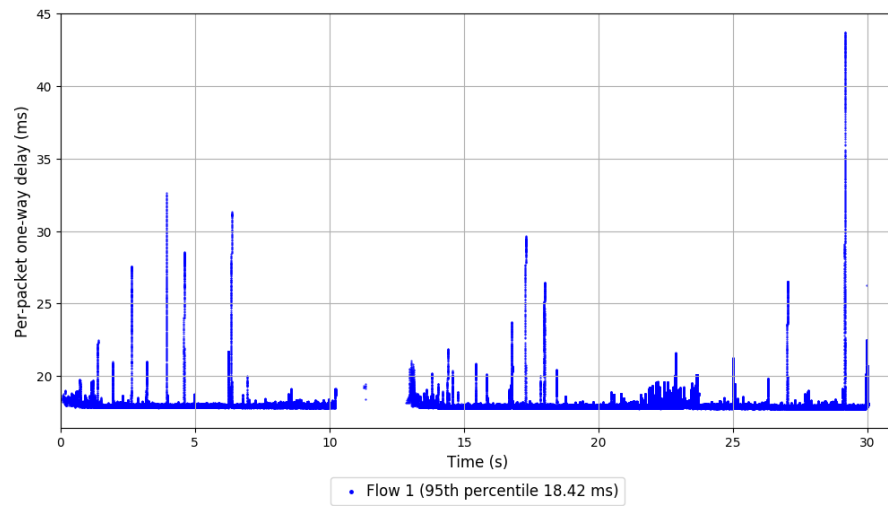
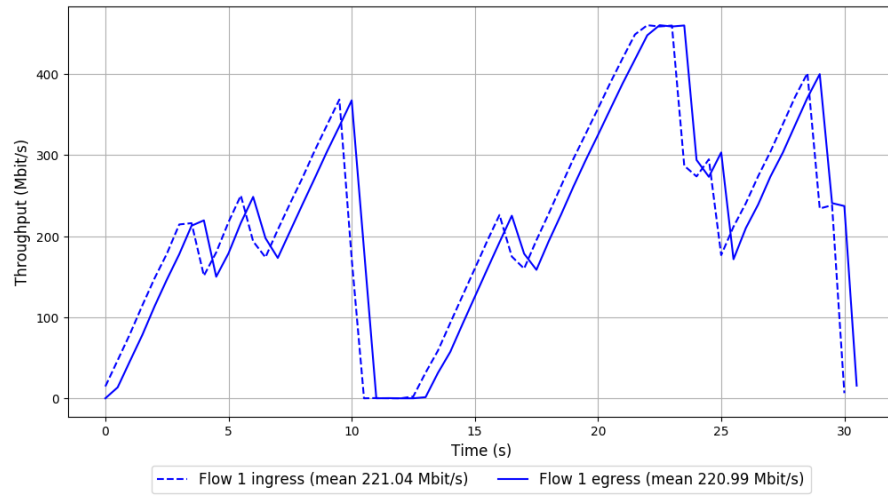


Run 6: Statistics of LEDBAT

Start at: 2018-08-01 02:31:09
End at: 2018-08-01 02:31:39
Local clock offset: -1.893 ms
Remote clock offset: -0.449 ms

Below is generated by plot.py at 2018-08-01 05:28:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 220.99 Mbit/s
95th percentile per-packet one-way delay: 18.423 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 220.99 Mbit/s
95th percentile per-packet one-way delay: 18.423 ms
Loss rate: 0.02%

Run 6: Report of LEDBAT — Data Link

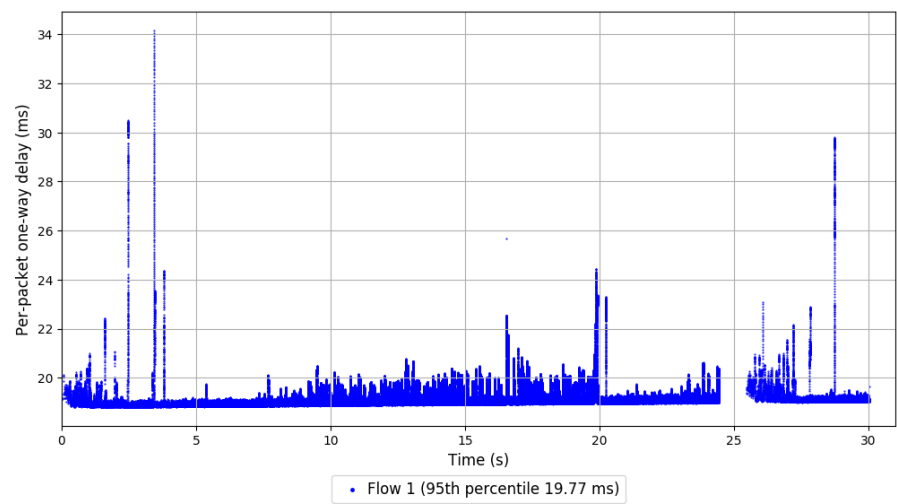
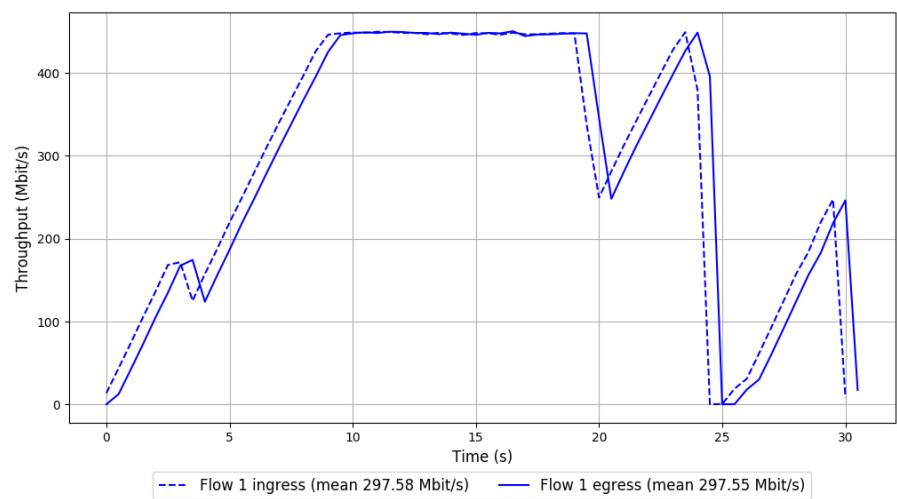


Run 7: Statistics of LEDBAT

Start at: 2018-08-01 02:56:32
End at: 2018-08-01 02:57:02
Local clock offset: -2.285 ms
Remote clock offset: -2.839 ms

Below is generated by plot.py at 2018-08-01 05:29:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 297.55 Mbit/s
95th percentile per-packet one-way delay: 19.769 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 297.55 Mbit/s
95th percentile per-packet one-way delay: 19.769 ms
Loss rate: 0.01%

Run 7: Report of LEDBAT — Data Link

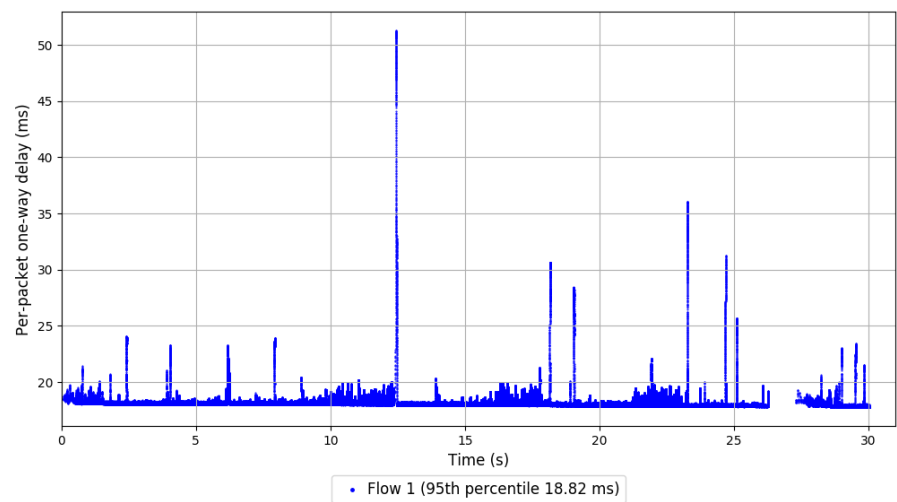
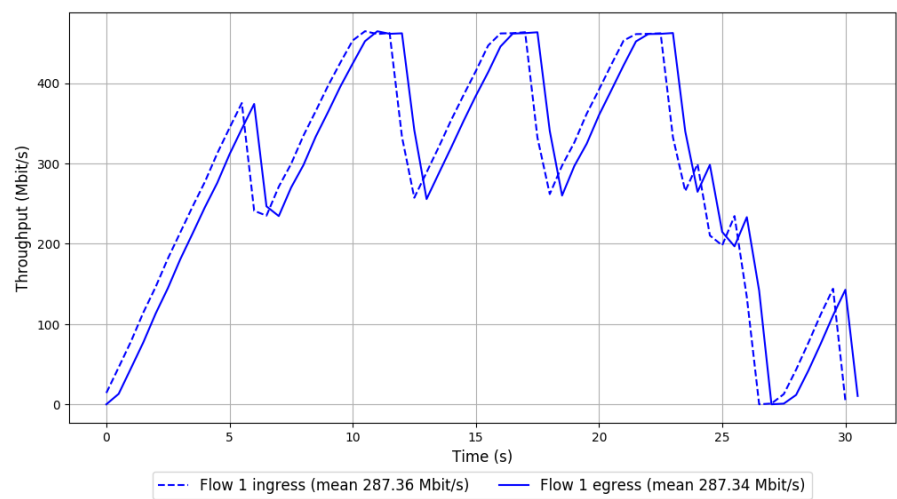


Run 8: Statistics of LEDBAT

Start at: 2018-08-01 03:22:06
End at: 2018-08-01 03:22:36
Local clock offset: 0.859 ms
Remote clock offset: -4.655 ms

Below is generated by plot.py at 2018-08-01 05:29:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 287.34 Mbit/s
95th percentile per-packet one-way delay: 18.818 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 287.34 Mbit/s
95th percentile per-packet one-way delay: 18.818 ms
Loss rate: 0.01%

Run 8: Report of LEDBAT — Data Link

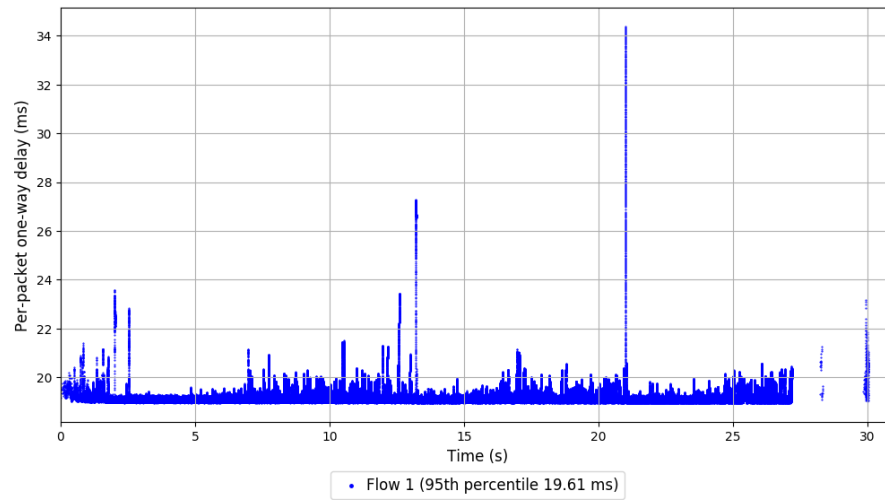
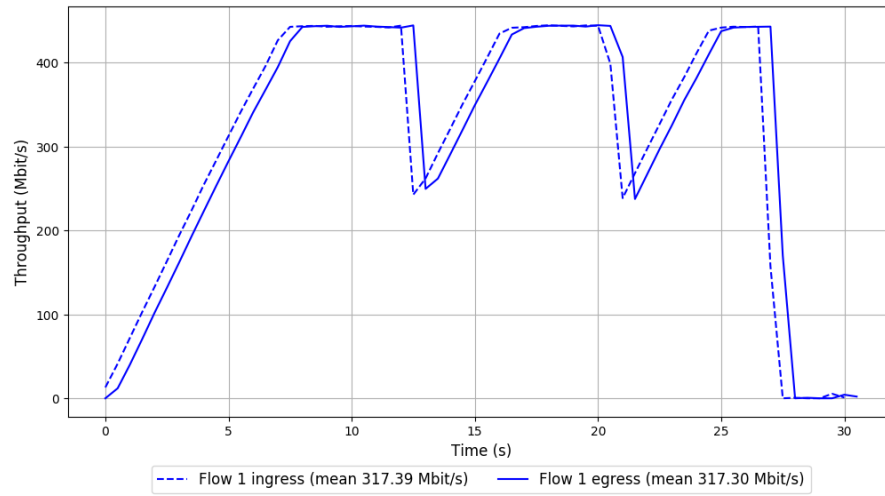


Run 9: Statistics of LEDBAT

Start at: 2018-08-01 03:47:44
End at: 2018-08-01 03:48:15
Local clock offset: -3.014 ms
Remote clock offset: -2.945 ms

Below is generated by plot.py at 2018-08-01 05:30:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 317.30 Mbit/s
95th percentile per-packet one-way delay: 19.614 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 317.30 Mbit/s
95th percentile per-packet one-way delay: 19.614 ms
Loss rate: 0.02%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-08-01 04:13:24

End at: 2018-08-01 04:13:54

Local clock offset: 0.372 ms

Remote clock offset: 0.795 ms

Below is generated by plot.py at 2018-08-01 05:30:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 313.79 Mbit/s

95th percentile per-packet one-way delay: 19.492 ms

Loss rate: 0.00%

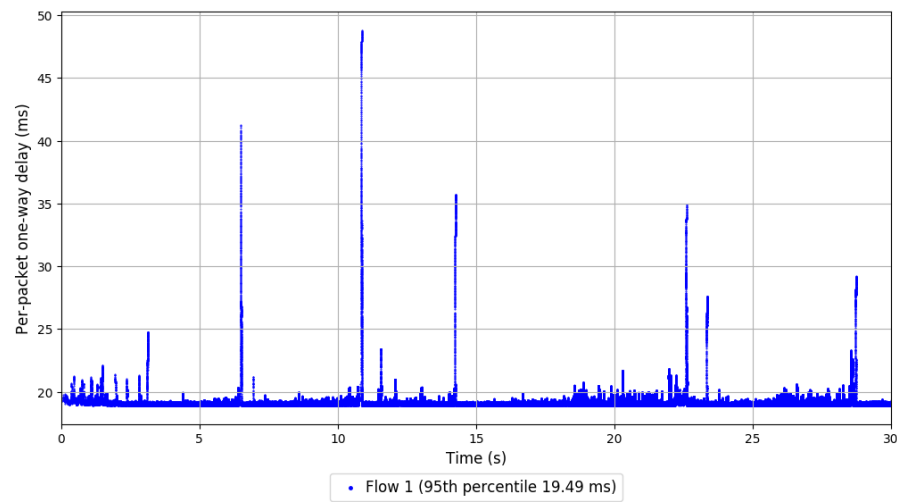
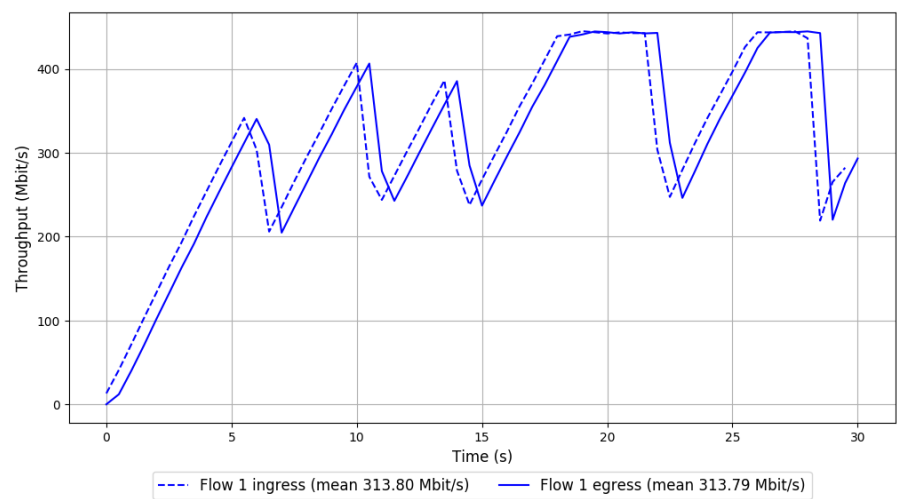
-- Flow 1:

Average throughput: 313.79 Mbit/s

95th percentile per-packet one-way delay: 19.492 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

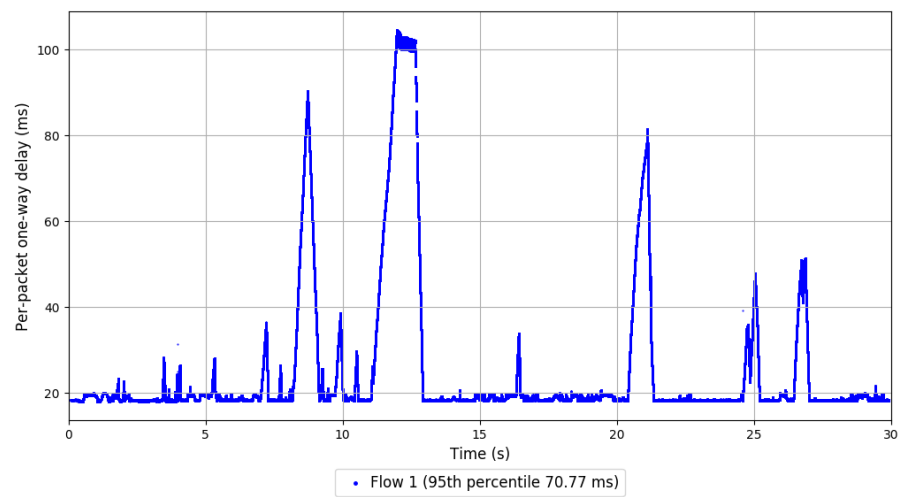
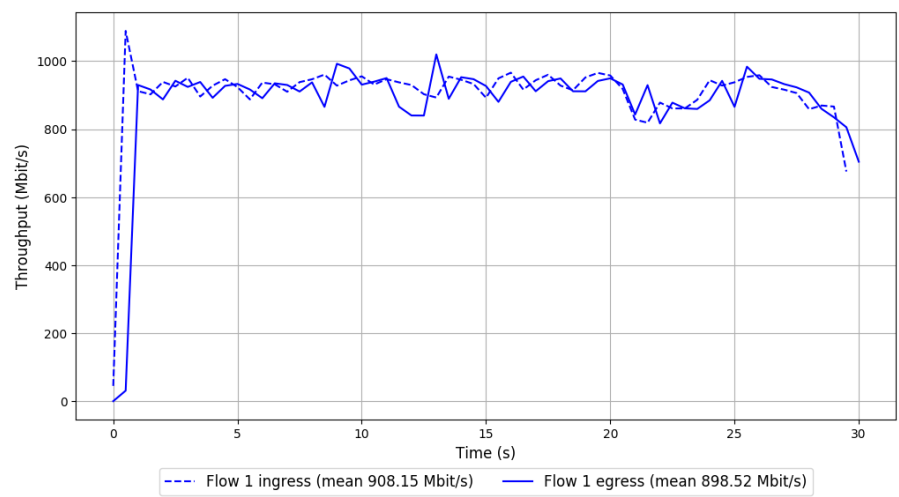


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-01 00:17:02
End at: 2018-08-01 00:17:32
Local clock offset: -7.604 ms
Remote clock offset: -2.623 ms

# Below is generated by plot.py at 2018-08-01 05:37:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 898.52 Mbit/s
95th percentile per-packet one-way delay: 70.769 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 898.52 Mbit/s
95th percentile per-packet one-way delay: 70.769 ms
Loss rate: 1.06%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-01 00:42:25

End at: 2018-08-01 00:42:55

Local clock offset: 0.641 ms

Remote clock offset: 0.346 ms

Below is generated by plot.py at 2018-08-01 05:37:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 853.22 Mbit/s

95th percentile per-packet one-way delay: 43.662 ms

Loss rate: 0.38%

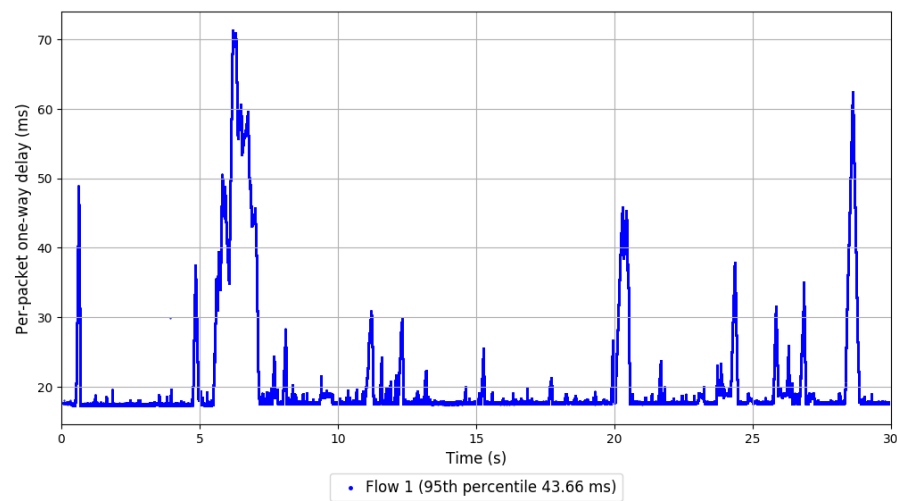
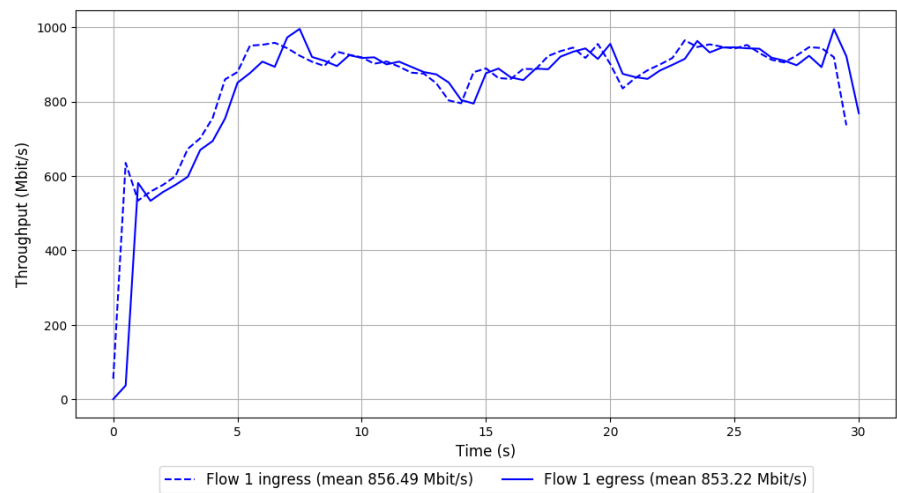
-- Flow 1:

Average throughput: 853.22 Mbit/s

95th percentile per-packet one-way delay: 43.662 ms

Loss rate: 0.38%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-01 01:08:11

End at: 2018-08-01 01:08:41

Local clock offset: 1.138 ms

Remote clock offset: 1.423 ms

Below is generated by plot.py at 2018-08-01 05:37:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 878.30 Mbit/s

95th percentile per-packet one-way delay: 29.161 ms

Loss rate: 0.82%

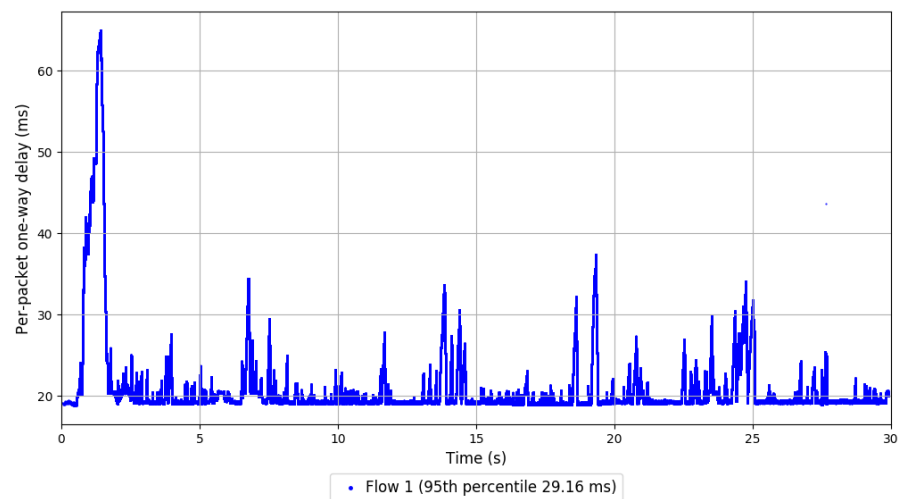
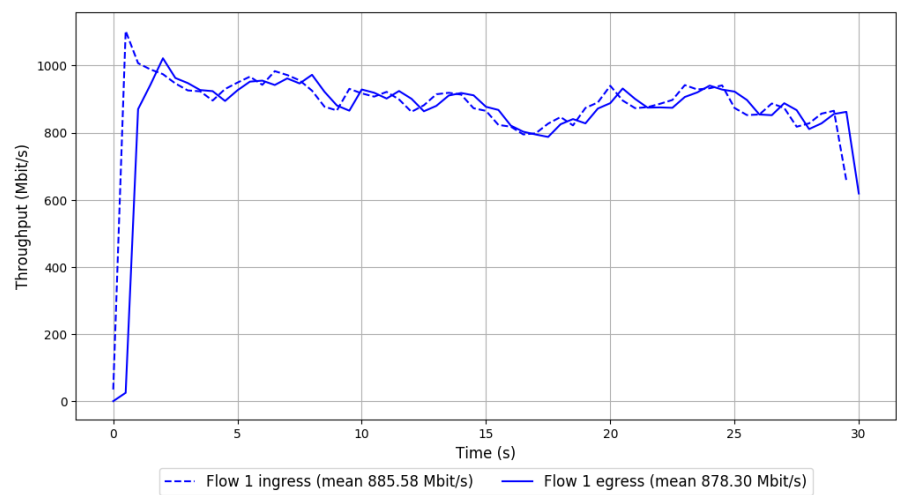
-- Flow 1:

Average throughput: 878.30 Mbit/s

95th percentile per-packet one-way delay: 29.161 ms

Loss rate: 0.82%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-01 01:33:49

End at: 2018-08-01 01:34:19

Local clock offset: 0.731 ms

Remote clock offset: 0.849 ms

Below is generated by plot.py at 2018-08-01 05:38:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 861.52 Mbit/s

95th percentile per-packet one-way delay: 25.360 ms

Loss rate: 0.59%

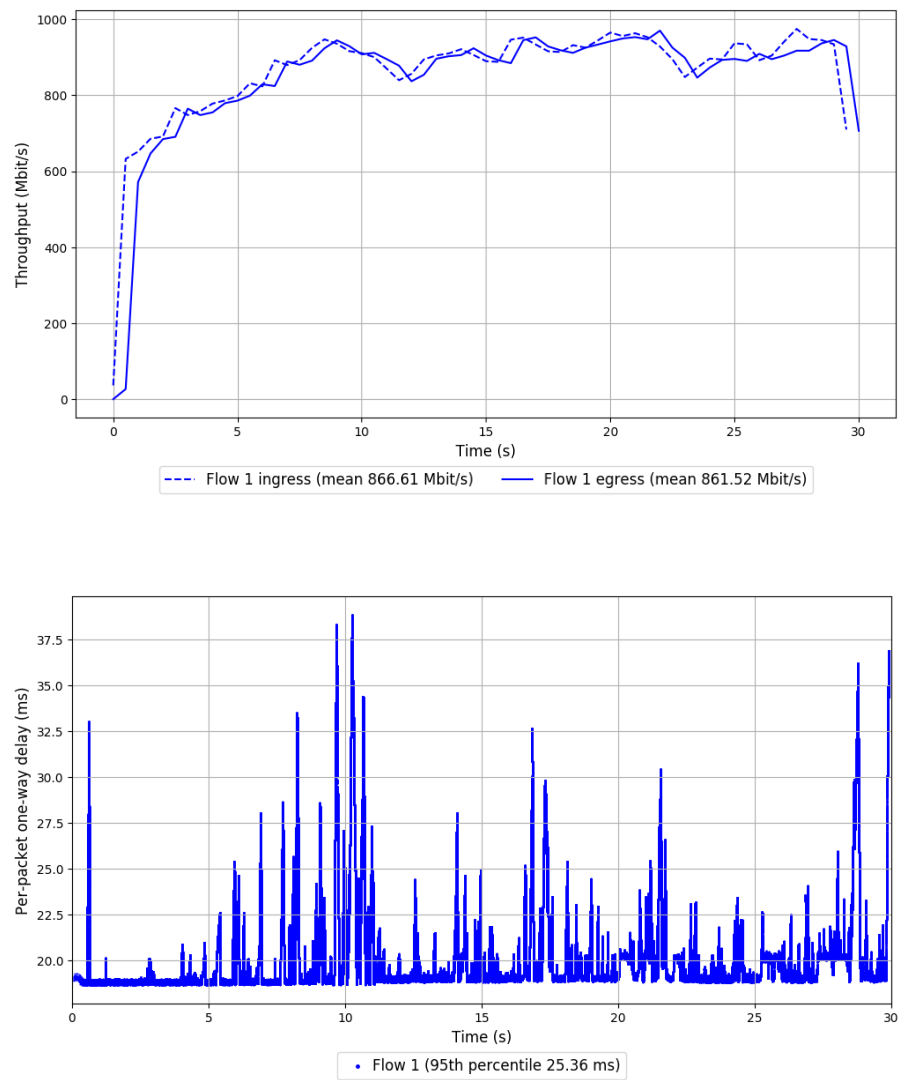
-- Flow 1:

Average throughput: 861.52 Mbit/s

95th percentile per-packet one-way delay: 25.360 ms

Loss rate: 0.59%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-01 01:59:18

End at: 2018-08-01 01:59:48

Local clock offset: 0.539 ms

Remote clock offset: -3.537 ms

Below is generated by plot.py at 2018-08-01 05:39:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 853.96 Mbit/s

95th percentile per-packet one-way delay: 27.780 ms

Loss rate: 0.26%

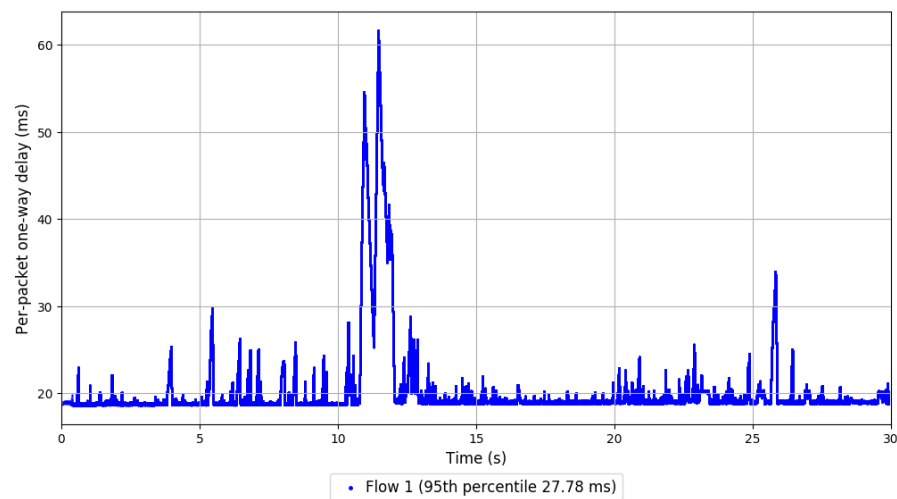
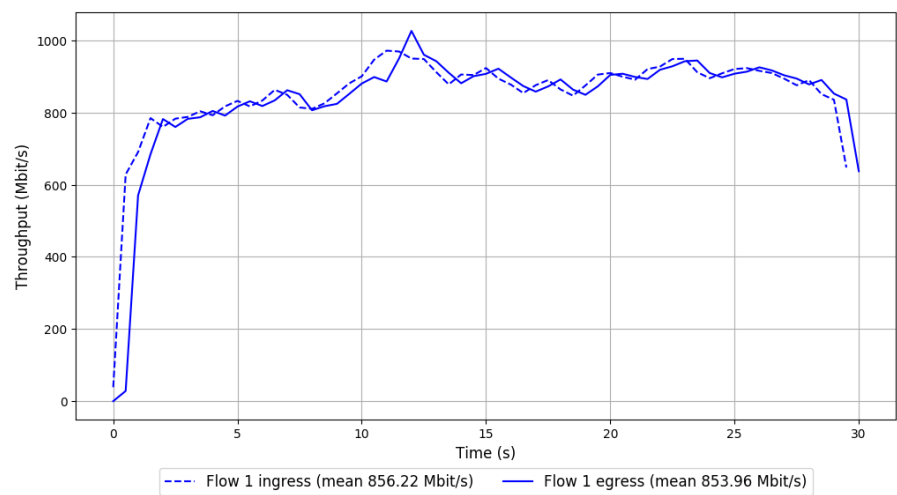
-- Flow 1:

Average throughput: 853.96 Mbit/s

95th percentile per-packet one-way delay: 27.780 ms

Loss rate: 0.26%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-01 02:24:49

End at: 2018-08-01 02:25:19

Local clock offset: -0.2 ms

Remote clock offset: -1.079 ms

Below is generated by plot.py at 2018-08-01 05:40:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 903.90 Mbit/s

95th percentile per-packet one-way delay: 27.178 ms

Loss rate: 0.85%

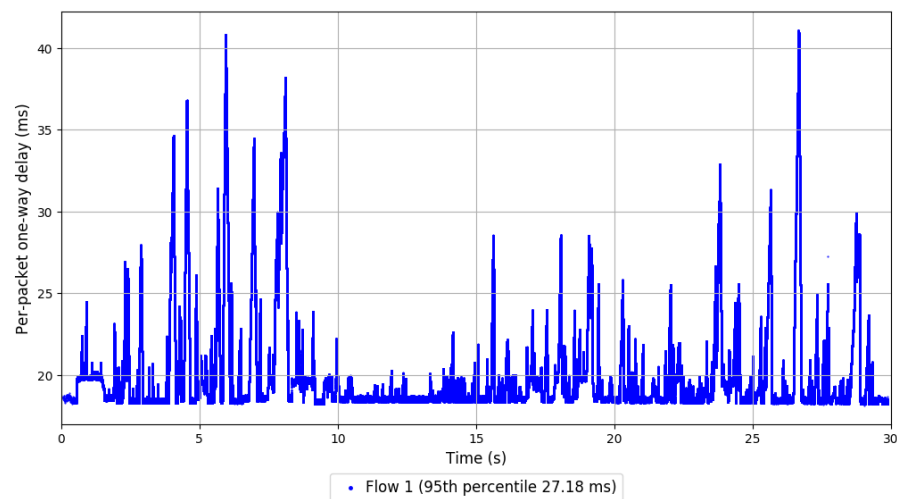
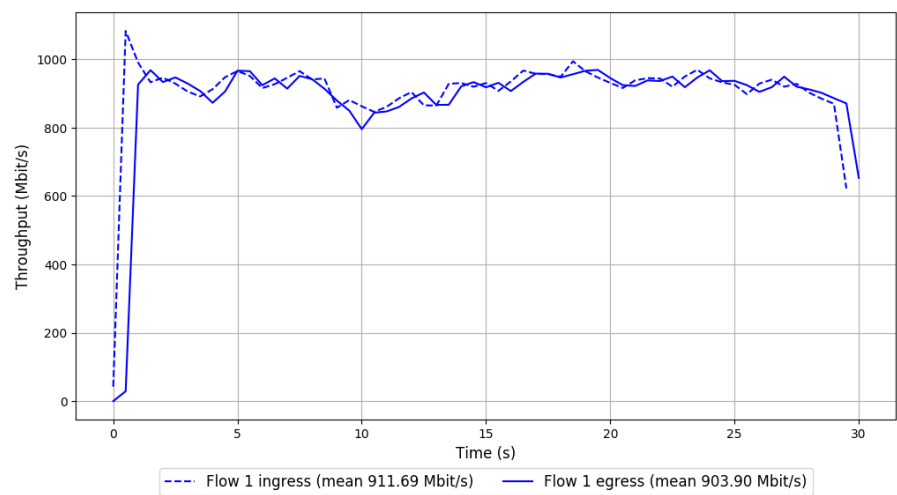
-- Flow 1:

Average throughput: 903.90 Mbit/s

95th percentile per-packet one-way delay: 27.178 ms

Loss rate: 0.85%

Run 6: Report of PCC-Allegro — Data Link

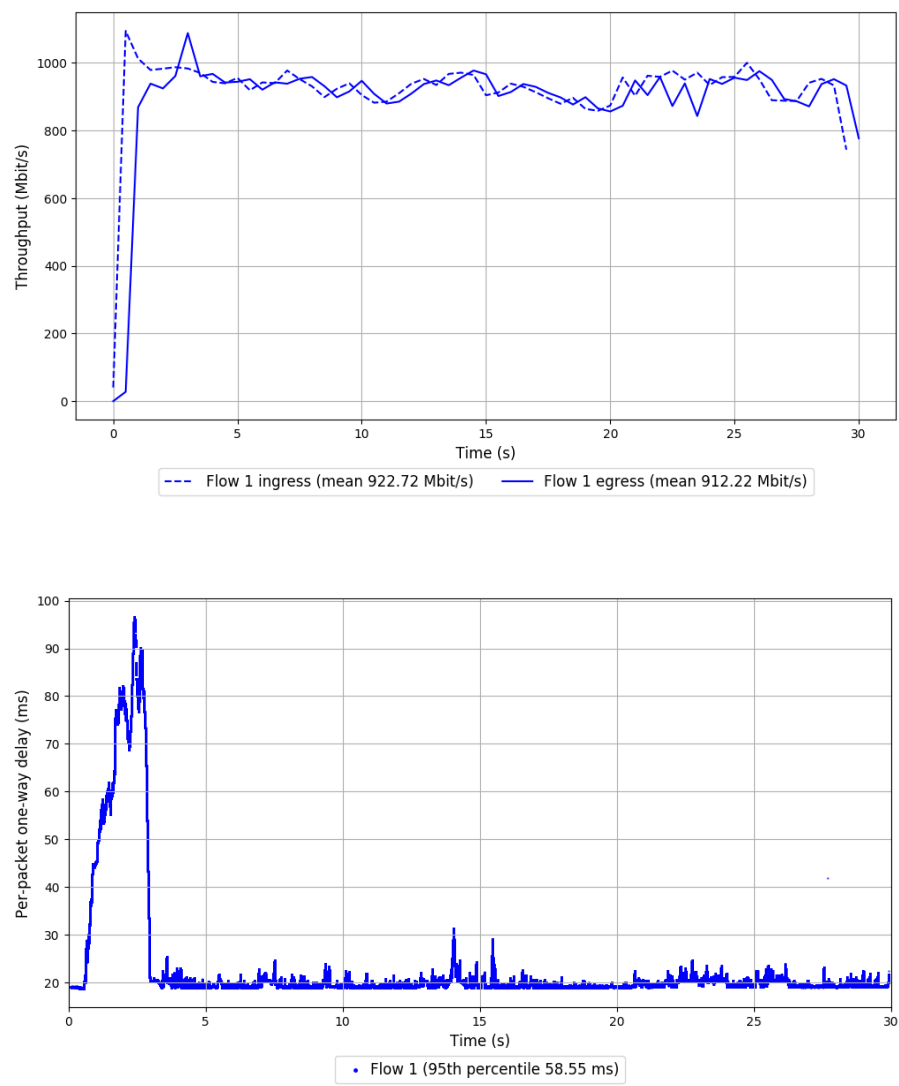


Run 7: Statistics of PCC-Allegro

Start at: 2018-08-01 02:50:10
End at: 2018-08-01 02:50:40
Local clock offset: -3.658 ms
Remote clock offset: -1.186 ms

Below is generated by plot.py at 2018-08-01 05:41:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 912.22 Mbit/s
95th percentile per-packet one-way delay: 58.547 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 912.22 Mbit/s
95th percentile per-packet one-way delay: 58.547 ms
Loss rate: 1.13%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-01 03:15:40

End at: 2018-08-01 03:16:10

Local clock offset: 0.552 ms

Remote clock offset: -4.704 ms

Below is generated by plot.py at 2018-08-01 05:41:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 906.98 Mbit/s

95th percentile per-packet one-way delay: 22.108 ms

Loss rate: 0.74%

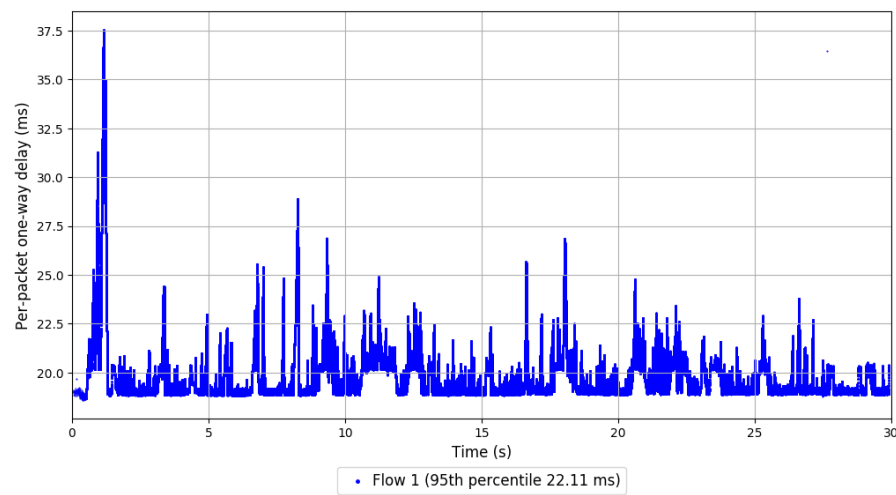
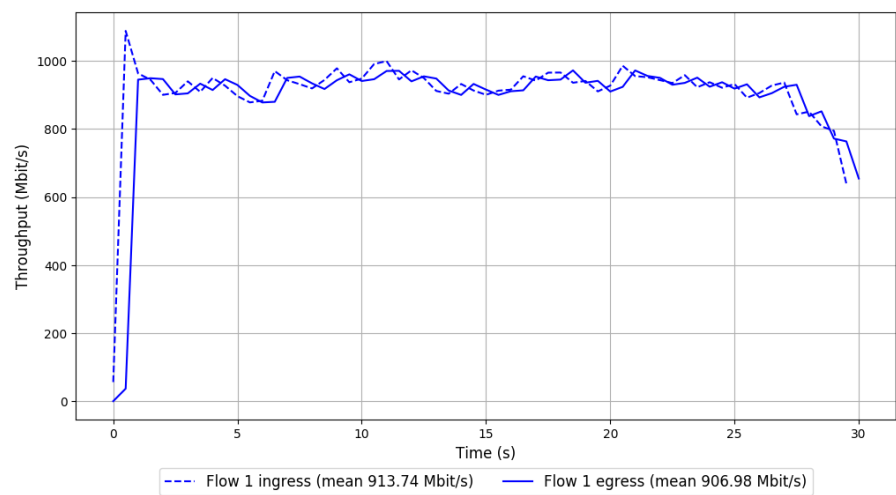
-- Flow 1:

Average throughput: 906.98 Mbit/s

95th percentile per-packet one-way delay: 22.108 ms

Loss rate: 0.74%

Run 8: Report of PCC-Allegro — Data Link

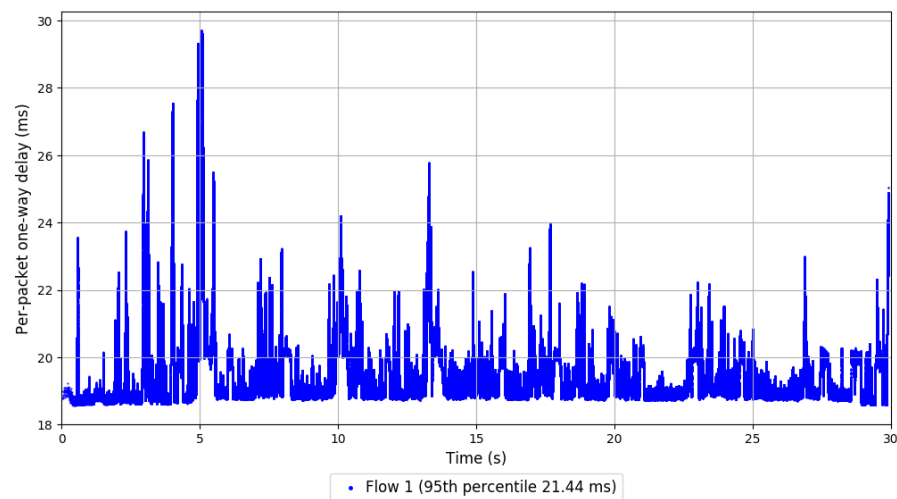
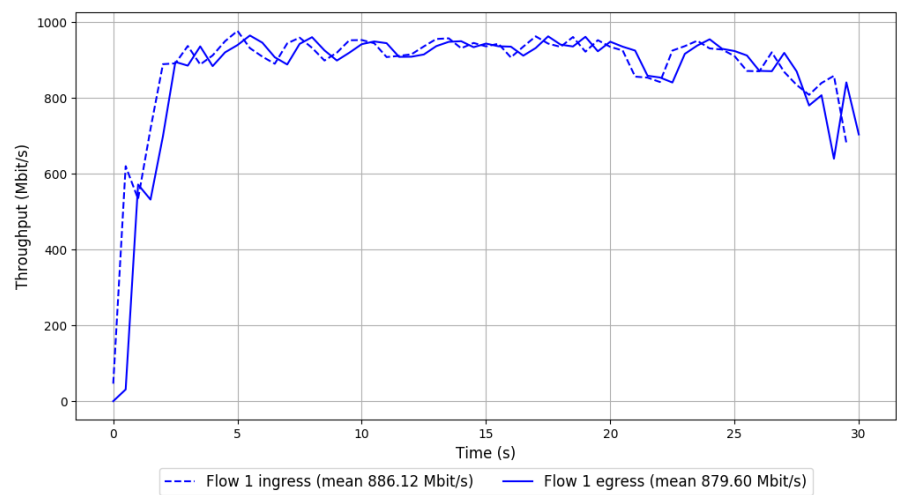


Run 9: Statistics of PCC-Allegro

Start at: 2018-08-01 03:41:16
End at: 2018-08-01 03:41:46
Local clock offset: -2.646 ms
Remote clock offset: -3.111 ms

Below is generated by plot.py at 2018-08-01 05:47:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 879.60 Mbit/s
95th percentile per-packet one-way delay: 21.440 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 879.60 Mbit/s
95th percentile per-packet one-way delay: 21.440 ms
Loss rate: 0.75%

Run 9: Report of PCC-Allegro — Data Link

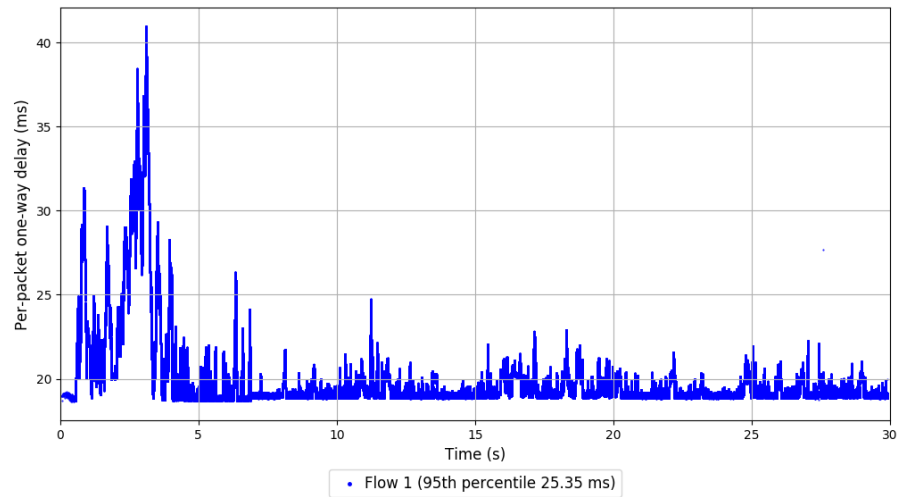
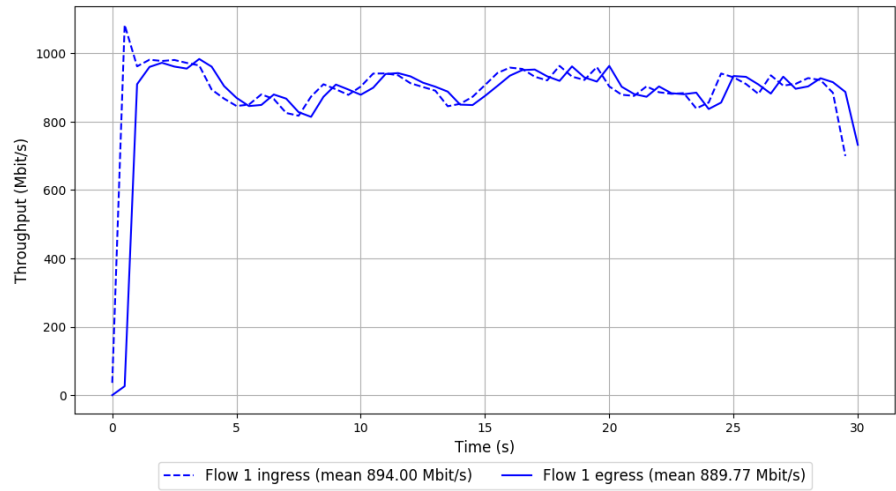


Run 10: Statistics of PCC-Allegro

Start at: 2018-08-01 04:07:05
End at: 2018-08-01 04:07:35
Local clock offset: -0.141 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-08-01 05:48:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 889.77 Mbit/s
95th percentile per-packet one-way delay: 25.350 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 889.77 Mbit/s
95th percentile per-packet one-way delay: 25.350 ms
Loss rate: 0.47%

Run 10: Report of PCC-Allegro — Data Link

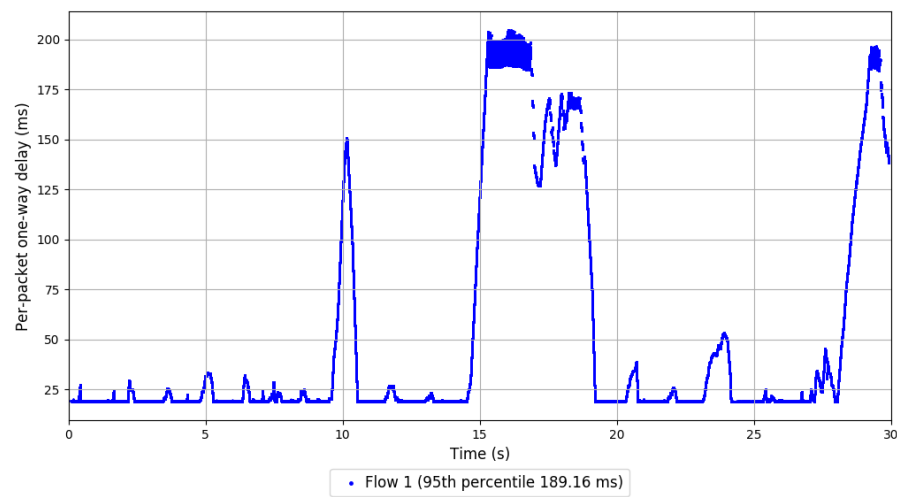
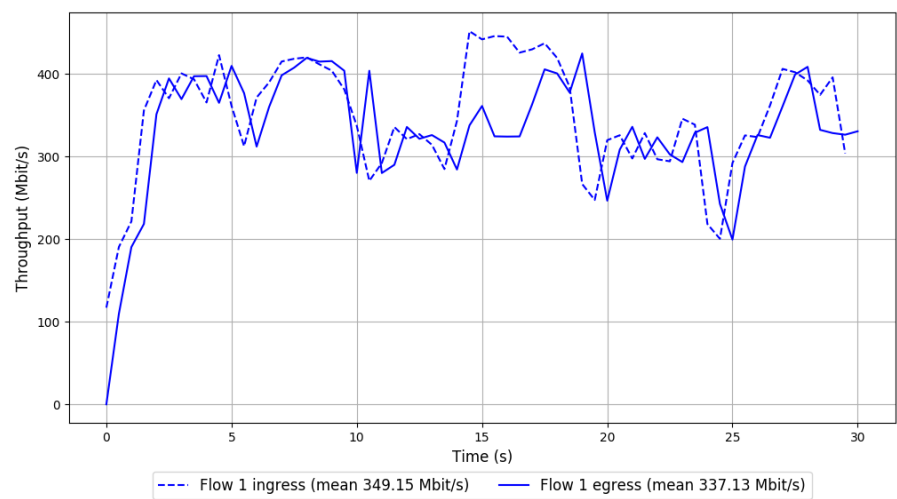


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-01 00:20:06
End at: 2018-08-01 00:20:36
Local clock offset: -7.896 ms
Remote clock offset: -2.434 ms

# Below is generated by plot.py at 2018-08-01 05:48:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 337.13 Mbit/s
95th percentile per-packet one-way delay: 189.157 ms
Loss rate: 3.45%
-- Flow 1:
Average throughput: 337.13 Mbit/s
95th percentile per-packet one-way delay: 189.157 ms
Loss rate: 3.45%
```


Run 1: Report of PCC-Expr — Data Link

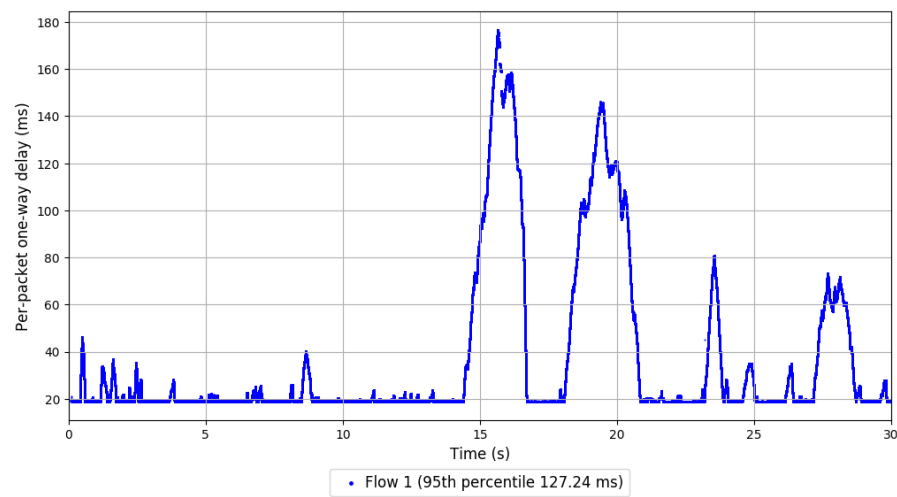
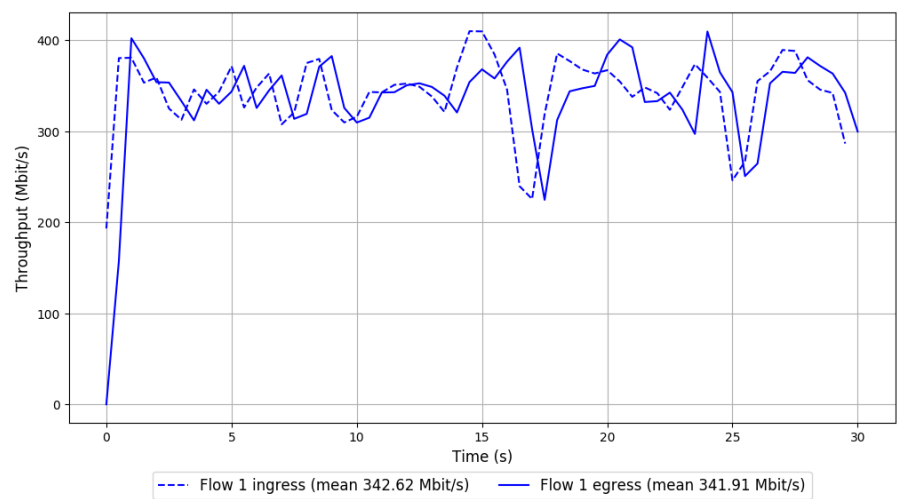


```
Run 2: Statistics of PCC-Expr

Start at: 2018-08-01 00:45:29
End at: 2018-08-01 00:45:59
Local clock offset: 0.975 ms
Remote clock offset: 0.633 ms

# Below is generated by plot.py at 2018-08-01 05:48:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 341.91 Mbit/s
95th percentile per-packet one-way delay: 127.242 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 341.91 Mbit/s
95th percentile per-packet one-way delay: 127.242 ms
Loss rate: 0.21%
```

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-08-01 01:11:14

End at: 2018-08-01 01:11:44

Local clock offset: 1.172 ms

Remote clock offset: 1.057 ms

Below is generated by plot.py at 2018-08-01 05:48:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 356.27 Mbit/s

95th percentile per-packet one-way delay: 170.680 ms

Loss rate: 3.53%

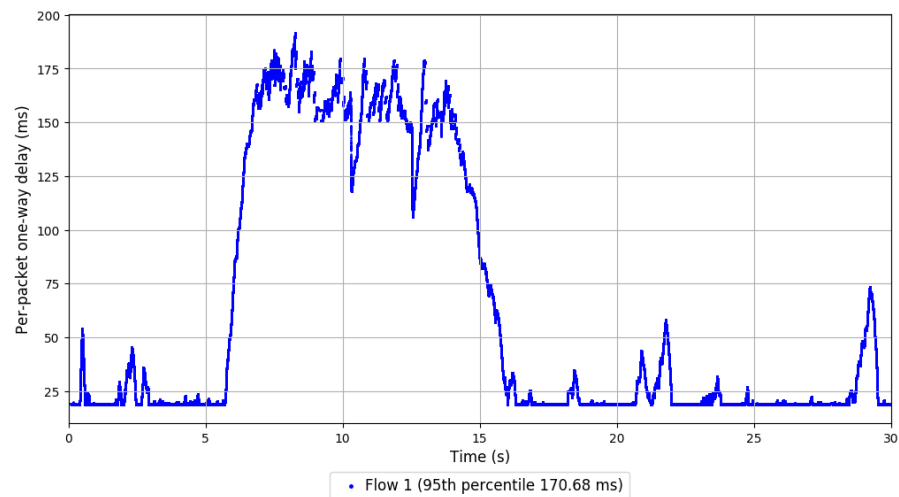
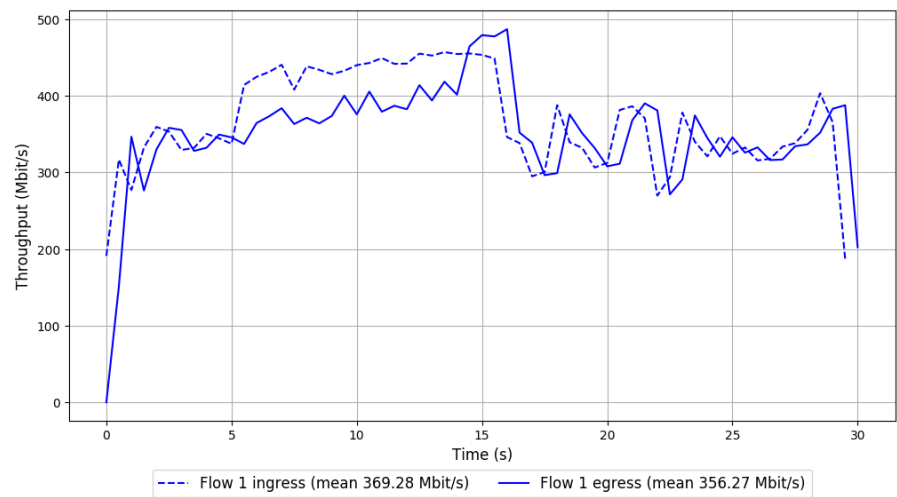
-- Flow 1:

Average throughput: 356.27 Mbit/s

95th percentile per-packet one-way delay: 170.680 ms

Loss rate: 3.53%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-08-01 01:36:52

End at: 2018-08-01 01:37:22

Local clock offset: 0.583 ms

Remote clock offset: 0.814 ms

Below is generated by plot.py at 2018-08-01 05:48:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 364.52 Mbit/s

95th percentile per-packet one-way delay: 150.973 ms

Loss rate: 0.19%

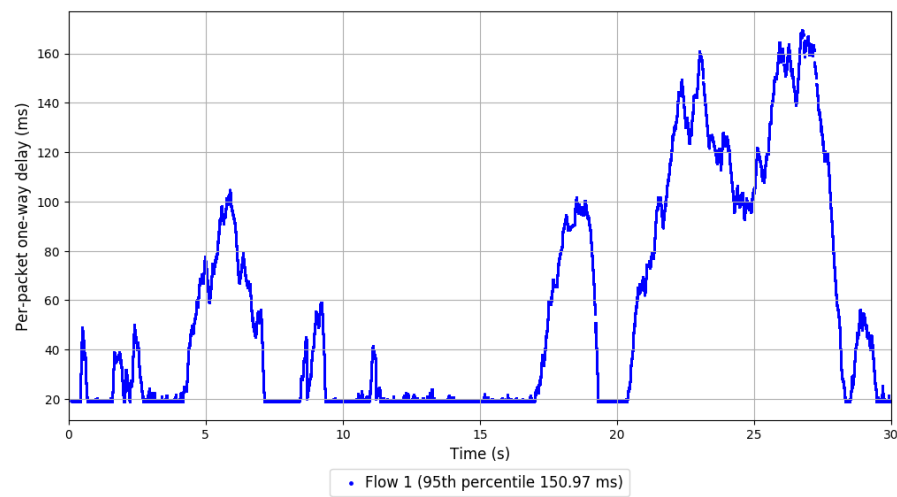
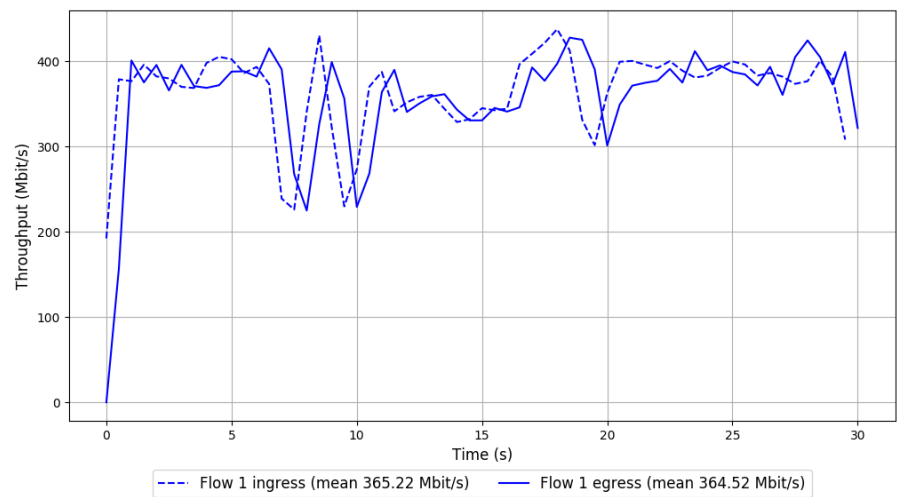
-- Flow 1:

Average throughput: 364.52 Mbit/s

95th percentile per-packet one-way delay: 150.973 ms

Loss rate: 0.19%

Run 4: Report of PCC-Expr — Data Link

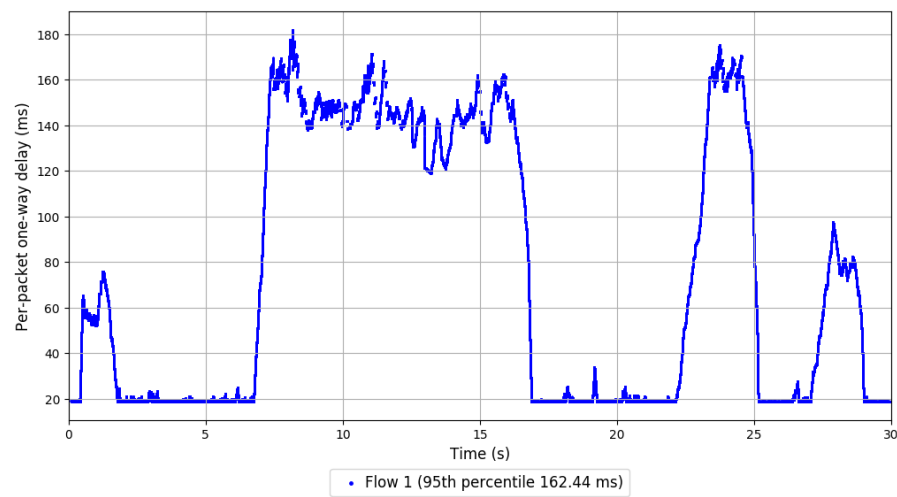
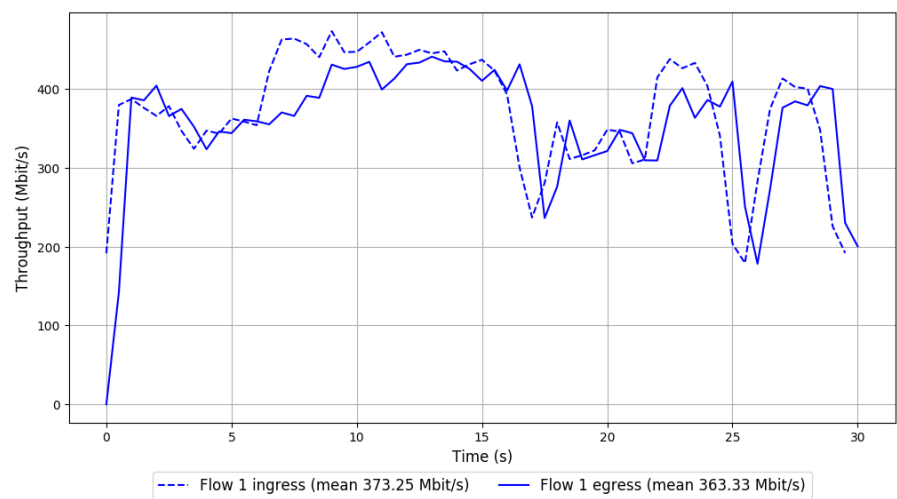


Run 5: Statistics of PCC-Expr

Start at: 2018-08-01 02:02:21
End at: 2018-08-01 02:02:51
Local clock offset: 0.507 ms
Remote clock offset: -3.819 ms

Below is generated by plot.py at 2018-08-01 05:49:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 363.33 Mbit/s
95th percentile per-packet one-way delay: 162.436 ms
Loss rate: 2.66%
-- Flow 1:
Average throughput: 363.33 Mbit/s
95th percentile per-packet one-way delay: 162.436 ms
Loss rate: 2.66%

Run 5: Report of PCC-Expr — Data Link

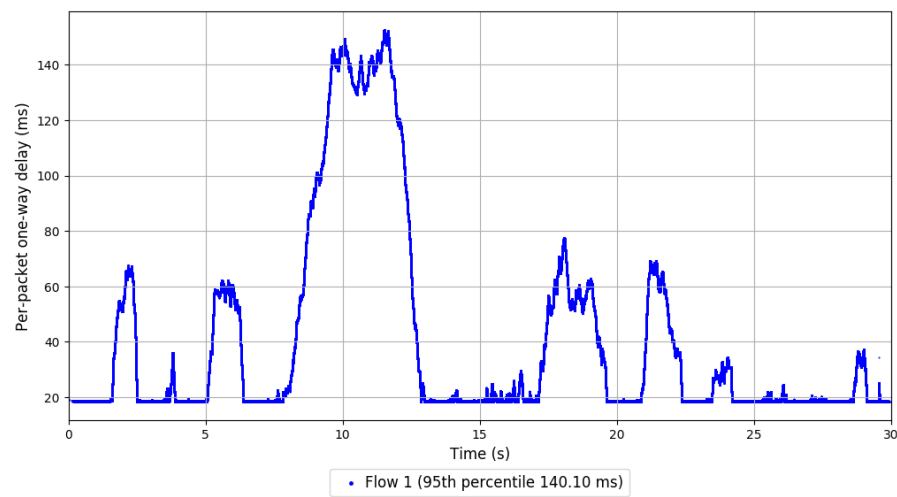
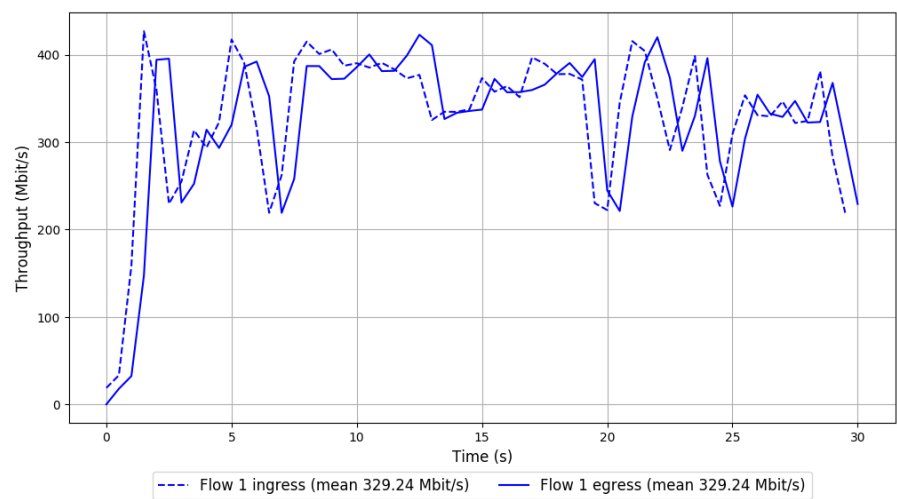


Run 6: Statistics of PCC-Expr

Start at: 2018-08-01 02:27:53
End at: 2018-08-01 02:28:23
Local clock offset: -1.134 ms
Remote clock offset: -0.624 ms

Below is generated by plot.py at 2018-08-01 05:49:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 329.24 Mbit/s
95th percentile per-packet one-way delay: 140.104 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 329.24 Mbit/s
95th percentile per-packet one-way delay: 140.104 ms
Loss rate: 0.00%

Run 6: Report of PCC-Expr — Data Link

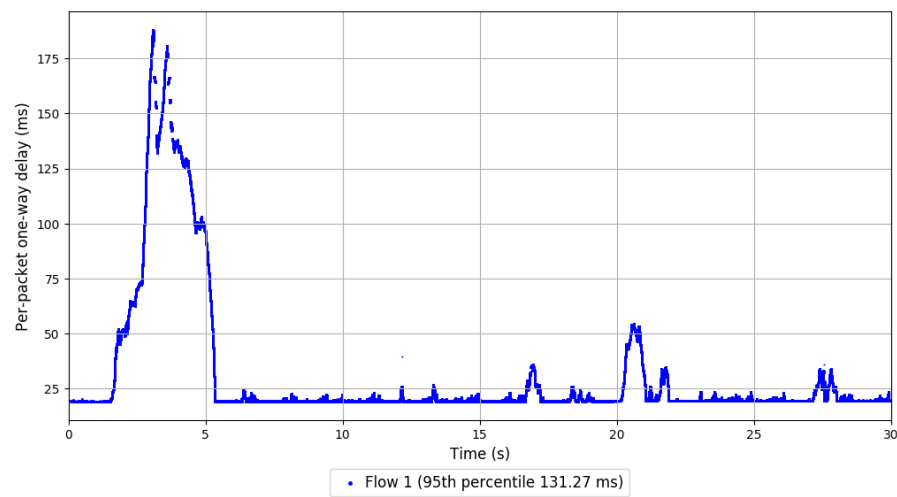
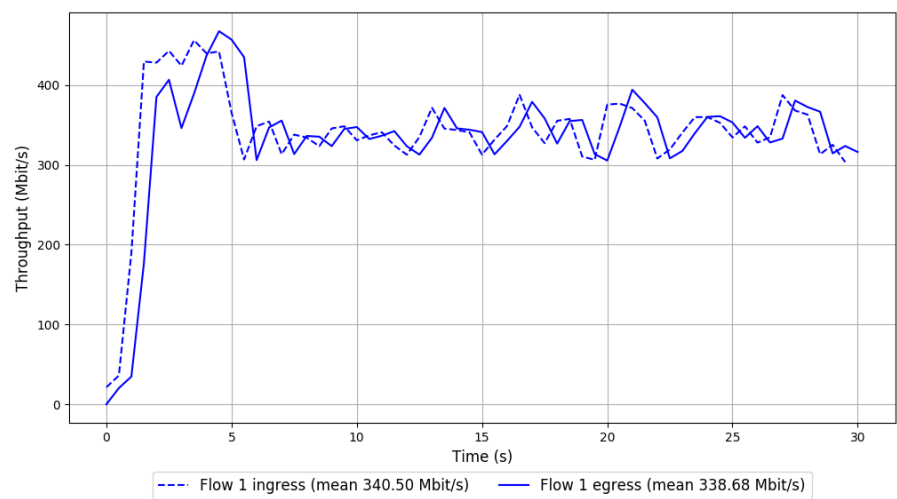


Run 7: Statistics of PCC-Expr

Start at: 2018-08-01 02:53:15
End at: 2018-08-01 02:53:45
Local clock offset: -3.727 ms
Remote clock offset: -2.111 ms

Below is generated by plot.py at 2018-08-01 05:52:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 338.68 Mbit/s
95th percentile per-packet one-way delay: 131.267 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 338.68 Mbit/s
95th percentile per-packet one-way delay: 131.267 ms
Loss rate: 0.54%

Run 7: Report of PCC-Expr — Data Link

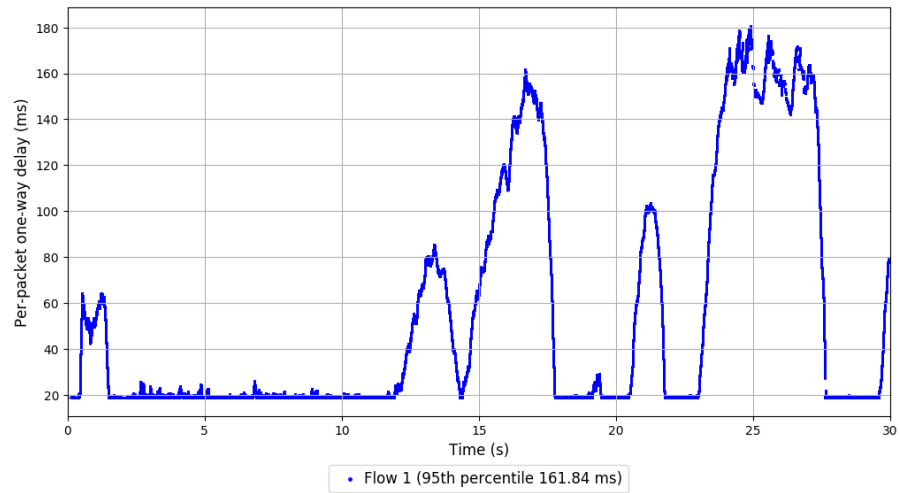
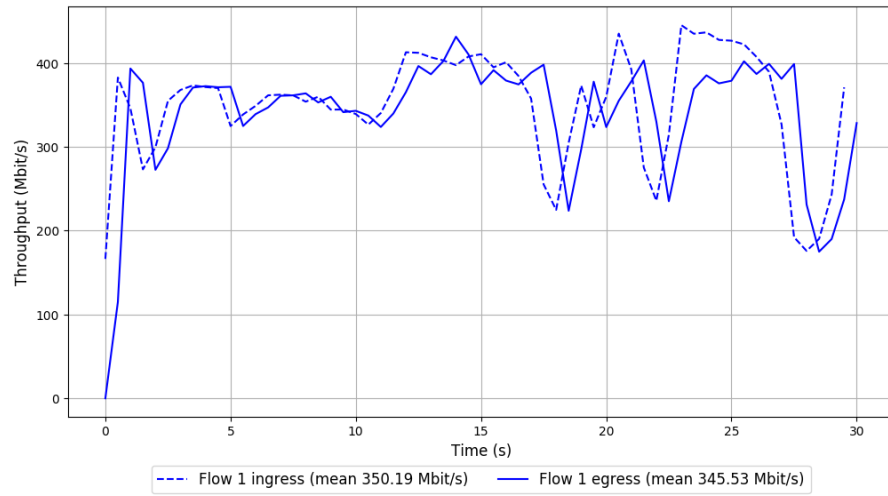


Run 8: Statistics of PCC-Expr

Start at: 2018-08-01 03:18:45
End at: 2018-08-01 03:19:15
Local clock offset: 0.654 ms
Remote clock offset: -4.933 ms

Below is generated by plot.py at 2018-08-01 05:53:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 345.53 Mbit/s
95th percentile per-packet one-way delay: 161.839 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 345.53 Mbit/s
95th percentile per-packet one-way delay: 161.839 ms
Loss rate: 1.33%

Run 8: Report of PCC-Expr — Data Link

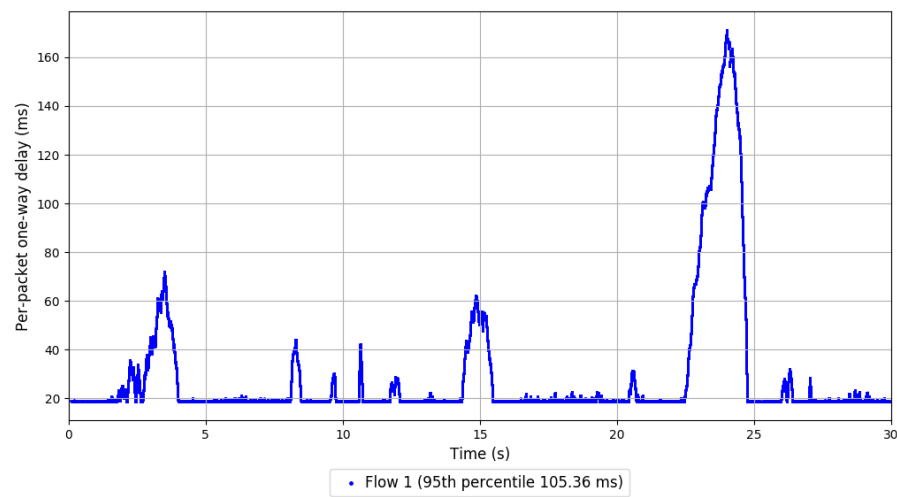
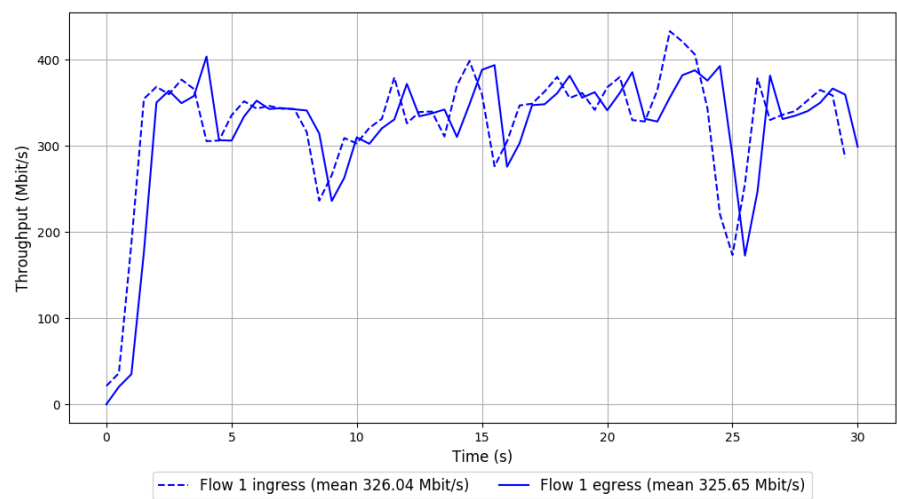


Run 9: Statistics of PCC-Expr

Start at: 2018-08-01 03:44:21
End at: 2018-08-01 03:44:51
Local clock offset: -2.758 ms
Remote clock offset: -3.096 ms

Below is generated by plot.py at 2018-08-01 05:54:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 325.65 Mbit/s
95th percentile per-packet one-way delay: 105.360 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 325.65 Mbit/s
95th percentile per-packet one-way delay: 105.360 ms
Loss rate: 0.12%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-08-01 04:10:05

End at: 2018-08-01 04:10:35

Local clock offset: 0.24 ms

Remote clock offset: 0.448 ms

Below is generated by plot.py at 2018-08-01 05:55:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 356.55 Mbit/s

95th percentile per-packet one-way delay: 166.115 ms

Loss rate: 2.46%

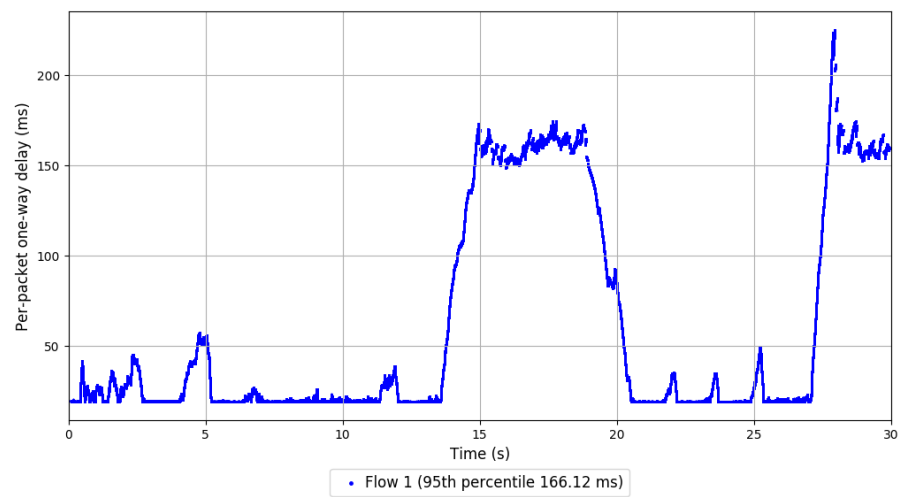
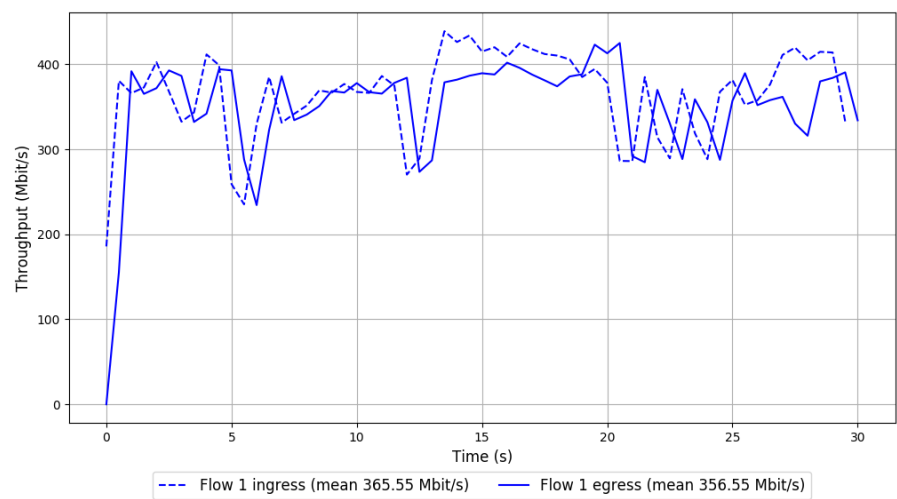
-- Flow 1:

Average throughput: 356.55 Mbit/s

95th percentile per-packet one-way delay: 166.115 ms

Loss rate: 2.46%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-08-01 00:24:52

End at: 2018-08-01 00:25:22

Local clock offset: -6.206 ms

Remote clock offset: -2.336 ms

Below is generated by plot.py at 2018-08-01 05:55:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.52 Mbit/s

95th percentile per-packet one-way delay: 19.478 ms

Loss rate: 0.00%

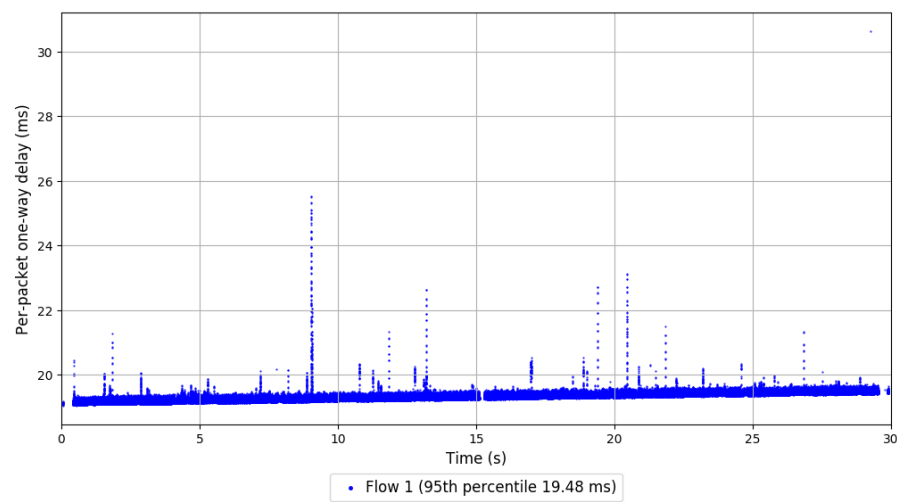
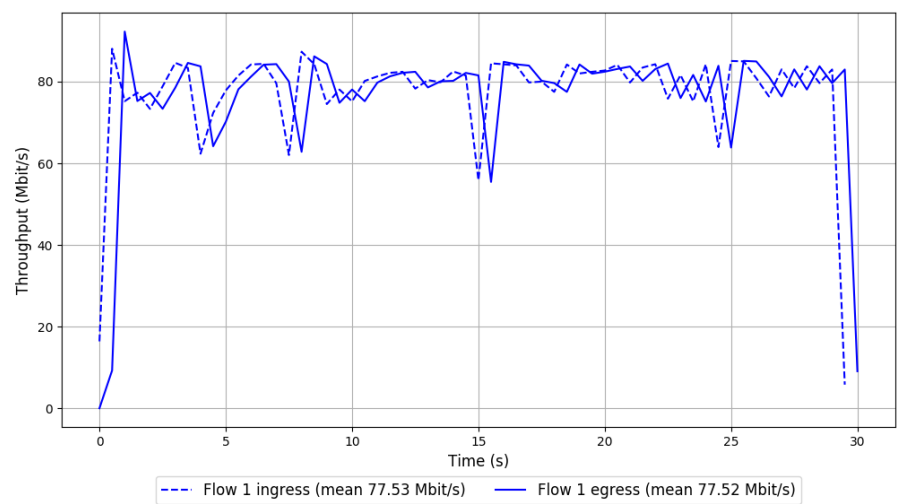
-- Flow 1:

Average throughput: 77.52 Mbit/s

95th percentile per-packet one-way delay: 19.478 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-08-01 00:50:23

End at: 2018-08-01 00:50:53

Local clock offset: 1.642 ms

Remote clock offset: 1.136 ms

Below is generated by plot.py at 2018-08-01 05:55:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.98 Mbit/s

95th percentile per-packet one-way delay: 18.896 ms

Loss rate: 0.03%

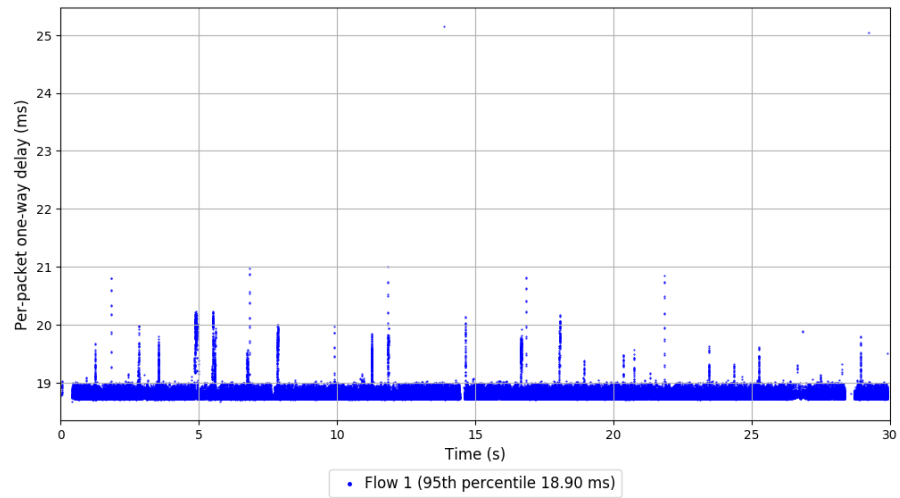
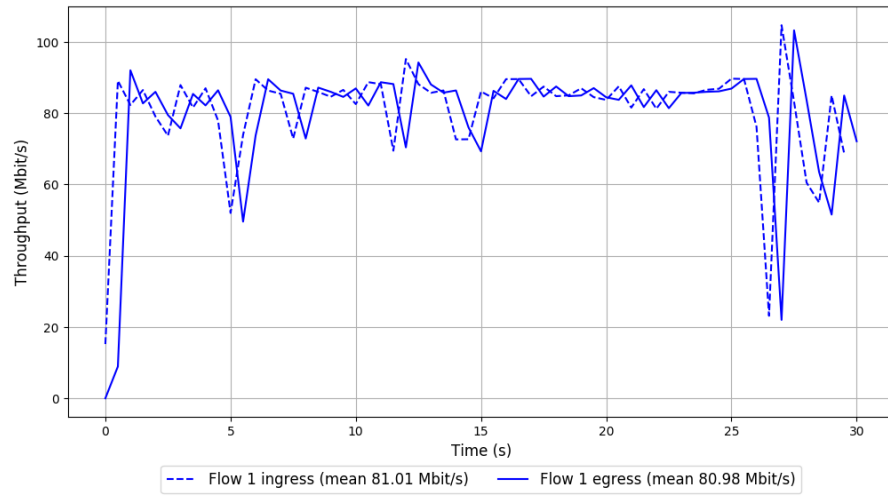
-- Flow 1:

Average throughput: 80.98 Mbit/s

95th percentile per-packet one-way delay: 18.896 ms

Loss rate: 0.03%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-08-01 01:16:07

End at: 2018-08-01 01:16:37

Local clock offset: 1.3 ms

Remote clock offset: 0.78 ms

Below is generated by plot.py at 2018-08-01 05:55:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.78 Mbit/s

95th percentile per-packet one-way delay: 18.948 ms

Loss rate: 0.00%

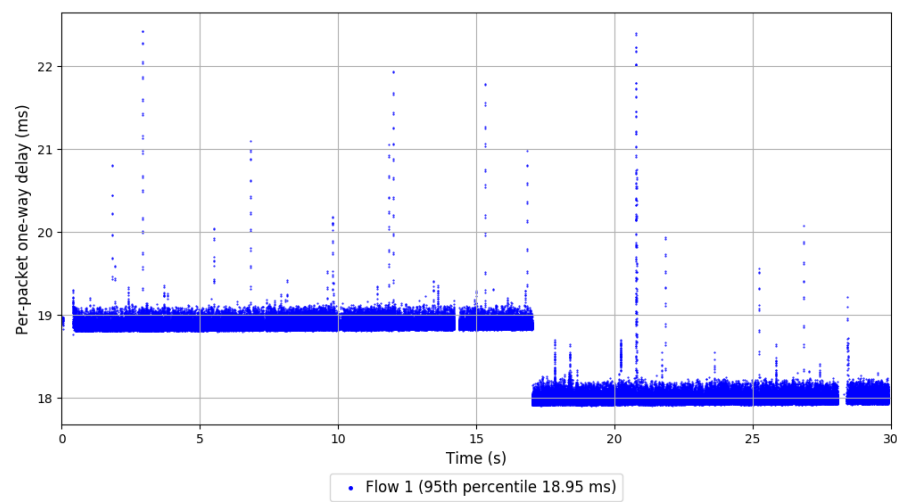
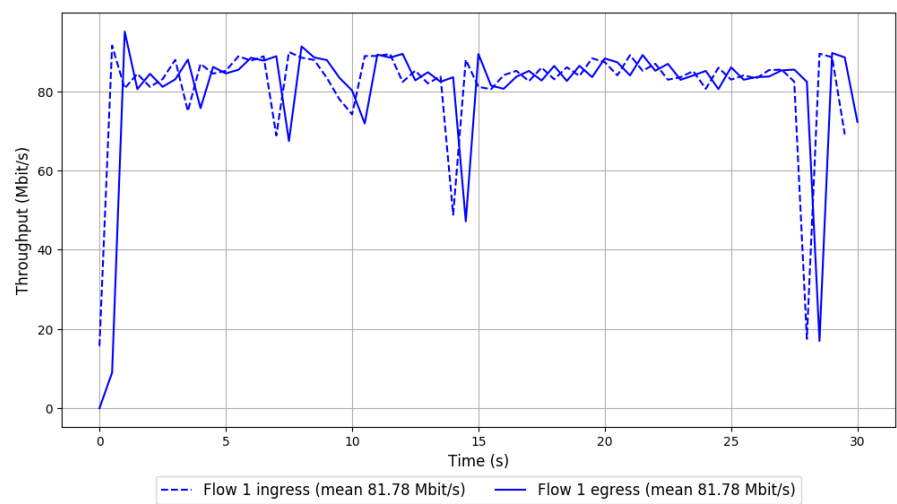
-- Flow 1:

Average throughput: 81.78 Mbit/s

95th percentile per-packet one-way delay: 18.948 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-08-01 01:41:42

End at: 2018-08-01 01:42:12

Local clock offset: 0.638 ms

Remote clock offset: -0.416 ms

Below is generated by plot.py at 2018-08-01 05:55:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.17 Mbit/s

95th percentile per-packet one-way delay: 19.171 ms

Loss rate: 0.00%

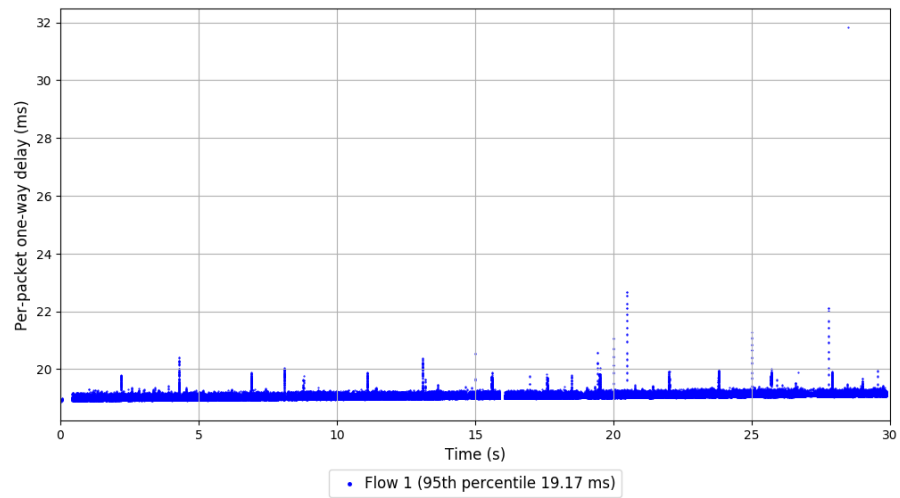
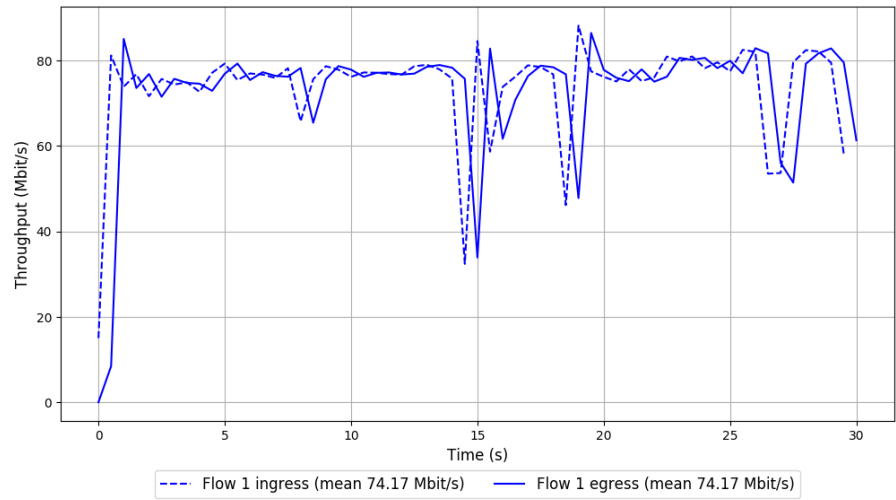
-- Flow 1:

Average throughput: 74.17 Mbit/s

95th percentile per-packet one-way delay: 19.171 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-08-01 02:07:16

End at: 2018-08-01 02:07:46

Local clock offset: 0.464 ms

Remote clock offset: -4.131 ms

Below is generated by plot.py at 2018-08-01 05:55:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.76 Mbit/s

95th percentile per-packet one-way delay: 18.096 ms

Loss rate: 0.00%

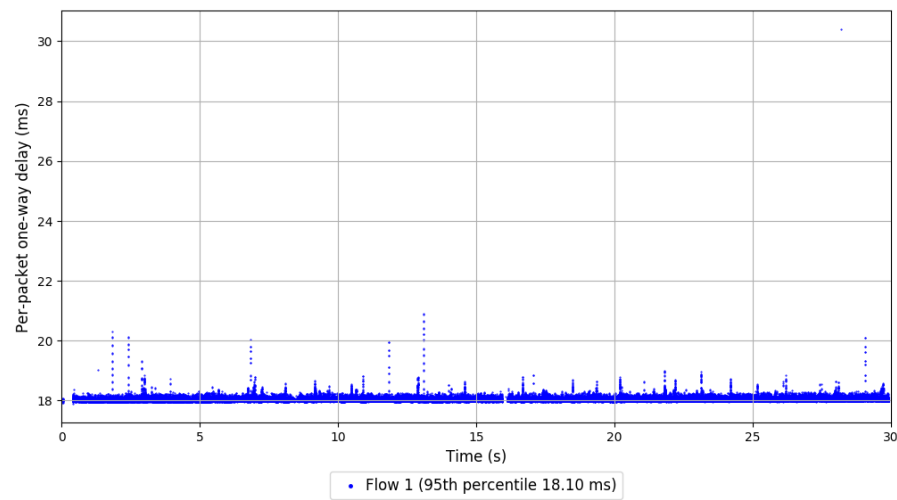
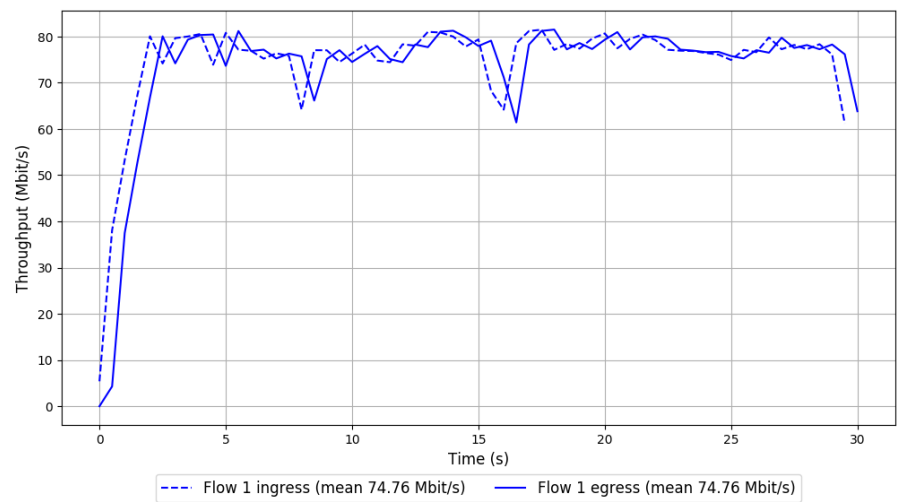
-- Flow 1:

Average throughput: 74.76 Mbit/s

95th percentile per-packet one-way delay: 18.096 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-08-01 02:32:38

End at: 2018-08-01 02:33:08

Local clock offset: -2.12 ms

Remote clock offset: -0.286 ms

Below is generated by plot.py at 2018-08-01 05:55:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.92 Mbit/s

95th percentile per-packet one-way delay: 18.025 ms

Loss rate: 0.00%

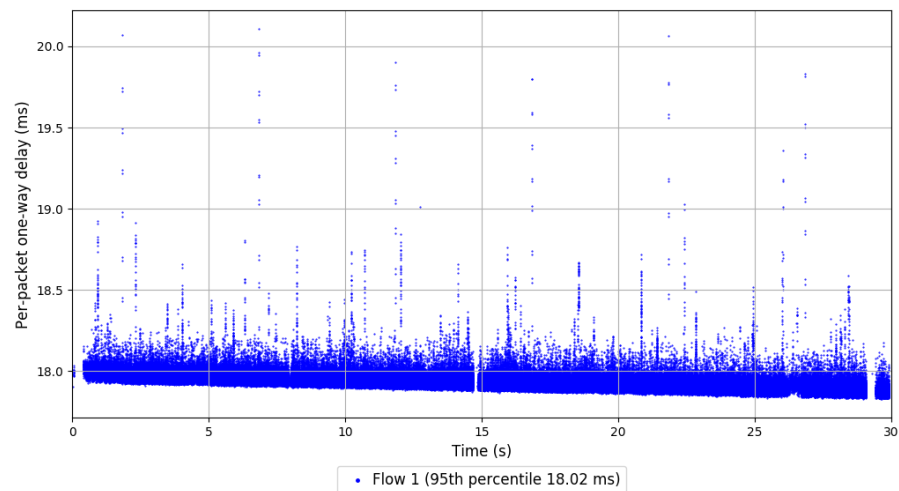
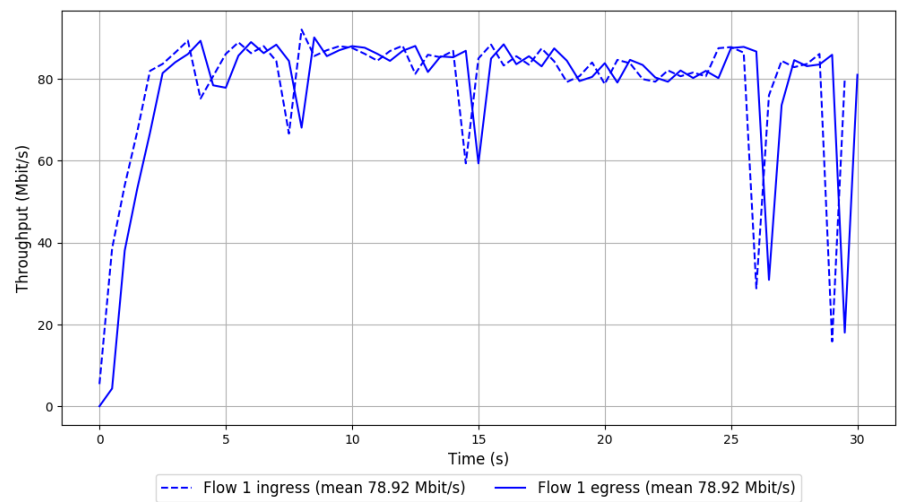
-- Flow 1:

Average throughput: 78.92 Mbit/s

95th percentile per-packet one-way delay: 18.025 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-08-01 02:58:04

End at: 2018-08-01 02:58:34

Local clock offset: -1.938 ms

Remote clock offset: -3.048 ms

Below is generated by plot.py at 2018-08-01 05:55:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.82 Mbit/s

95th percentile per-packet one-way delay: 19.213 ms

Loss rate: 0.00%

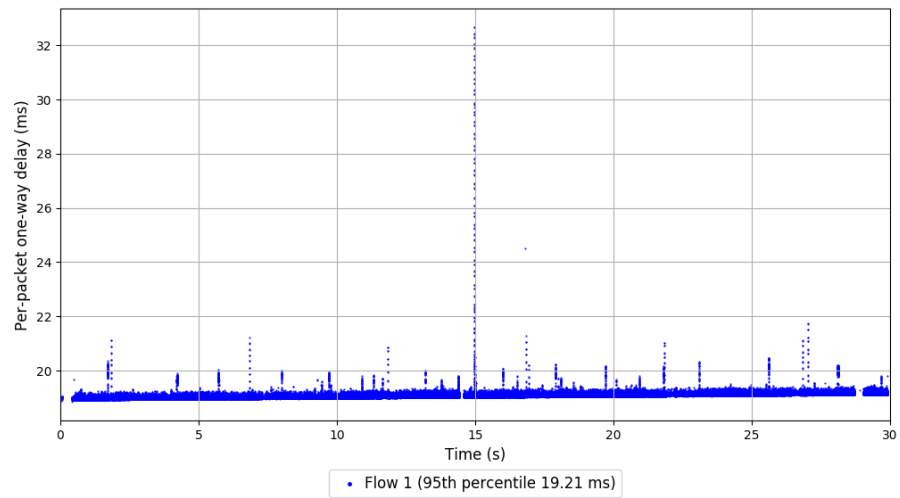
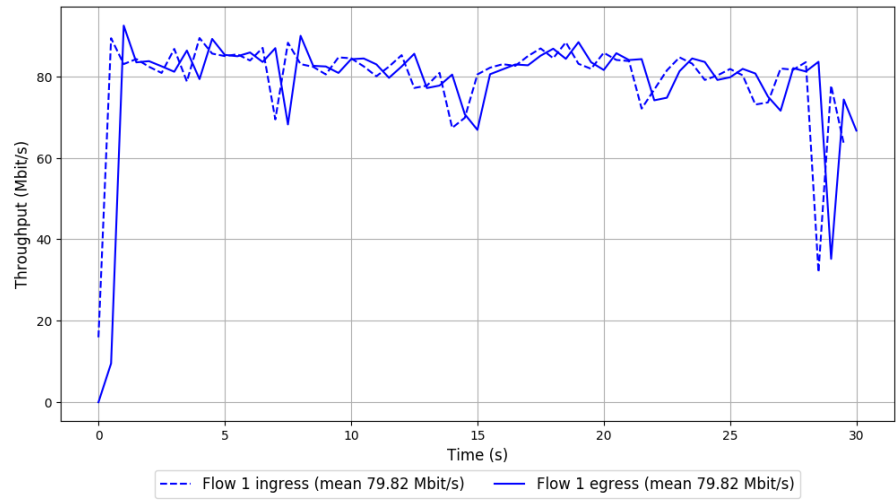
-- Flow 1:

Average throughput: 79.82 Mbit/s

95th percentile per-packet one-way delay: 19.213 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-08-01 03:23:39

End at: 2018-08-01 03:24:09

Local clock offset: 0.563 ms

Remote clock offset: -4.435 ms

Below is generated by plot.py at 2018-08-01 05:55:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.80 Mbit/s

95th percentile per-packet one-way delay: 18.649 ms

Loss rate: 0.00%

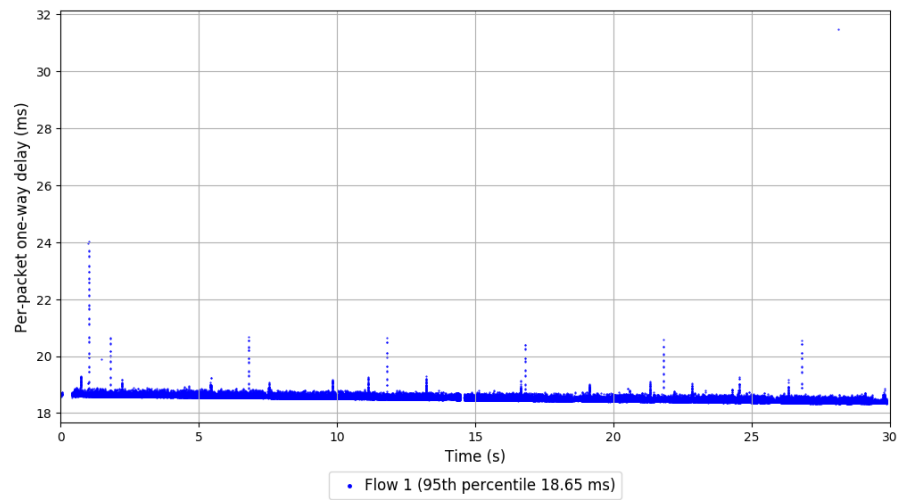
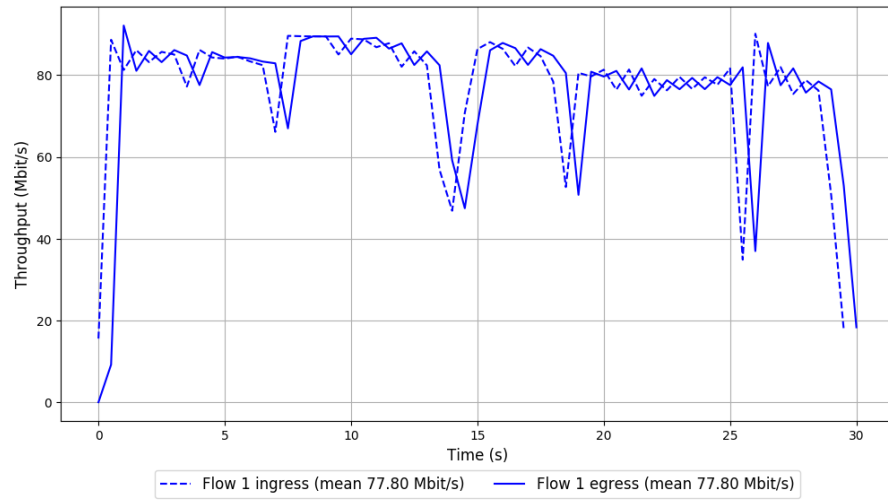
-- Flow 1:

Average throughput: 77.80 Mbit/s

95th percentile per-packet one-way delay: 18.649 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-08-01 03:49:18

End at: 2018-08-01 03:49:48

Local clock offset: -3.0 ms

Remote clock offset: -3.003 ms

Below is generated by plot.py at 2018-08-01 05:55:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.48 Mbit/s

95th percentile per-packet one-way delay: 18.099 ms

Loss rate: 0.02%

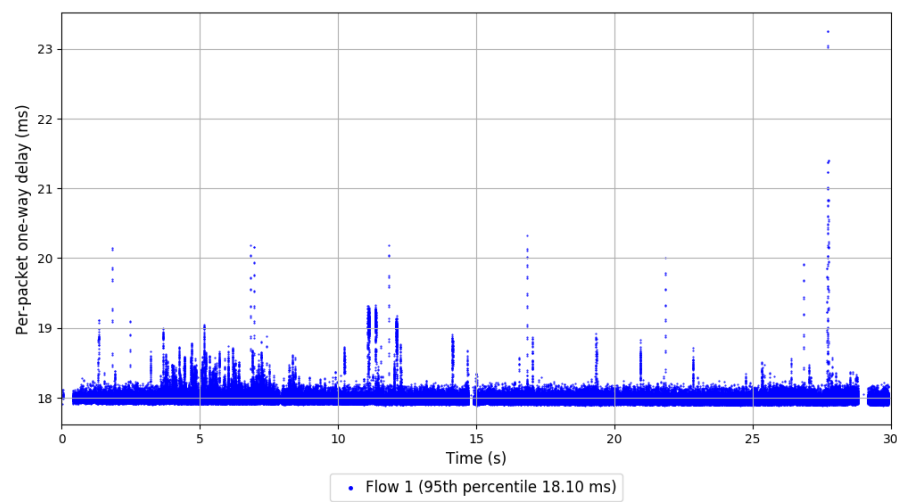
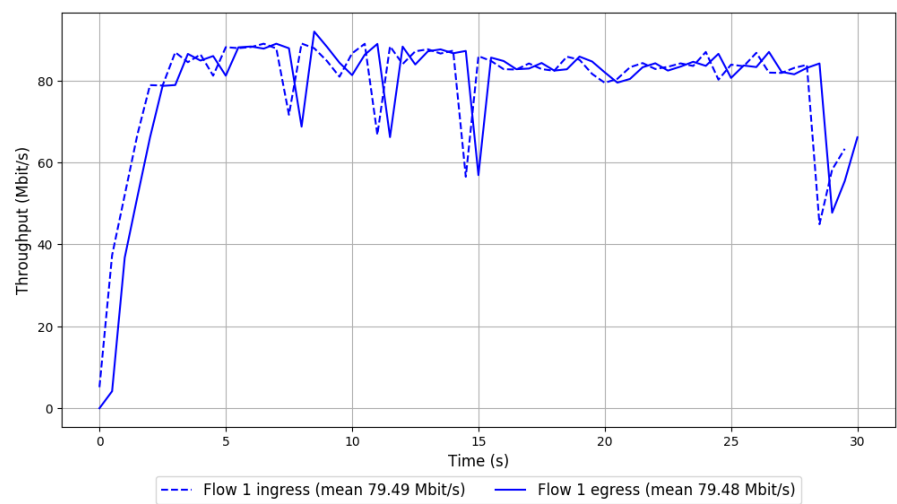
-- Flow 1:

Average throughput: 79.48 Mbit/s

95th percentile per-packet one-way delay: 18.099 ms

Loss rate: 0.02%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-08-01 04:14:55

End at: 2018-08-01 04:15:25

Local clock offset: 0.541 ms

Remote clock offset: 0.981 ms

Below is generated by plot.py at 2018-08-01 05:55:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.50 Mbit/s

95th percentile per-packet one-way delay: 18.834 ms

Loss rate: 0.02%

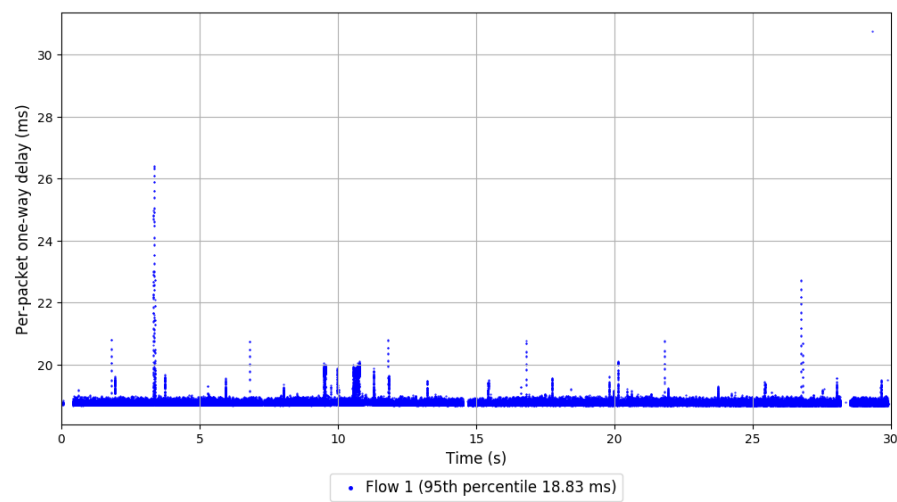
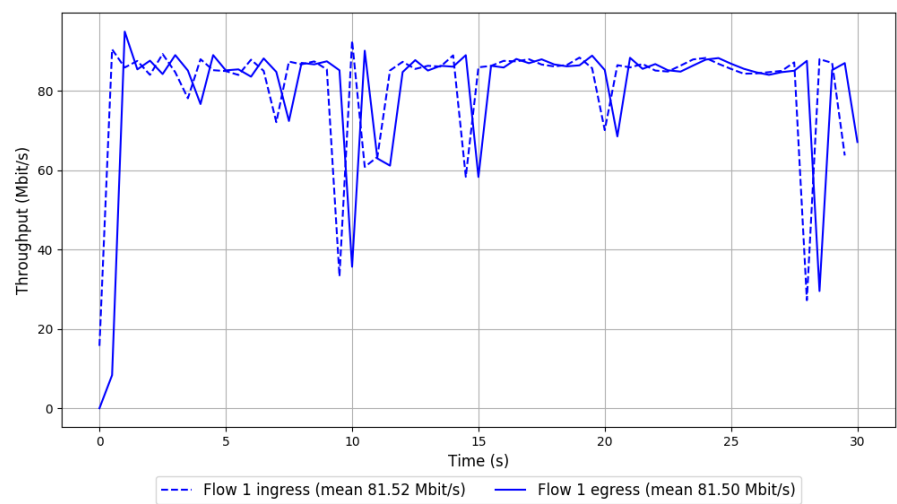
-- Flow 1:

Average throughput: 81.50 Mbit/s

95th percentile per-packet one-way delay: 18.834 ms

Loss rate: 0.02%

Run 10: Report of QUIC Cubic — Data Link

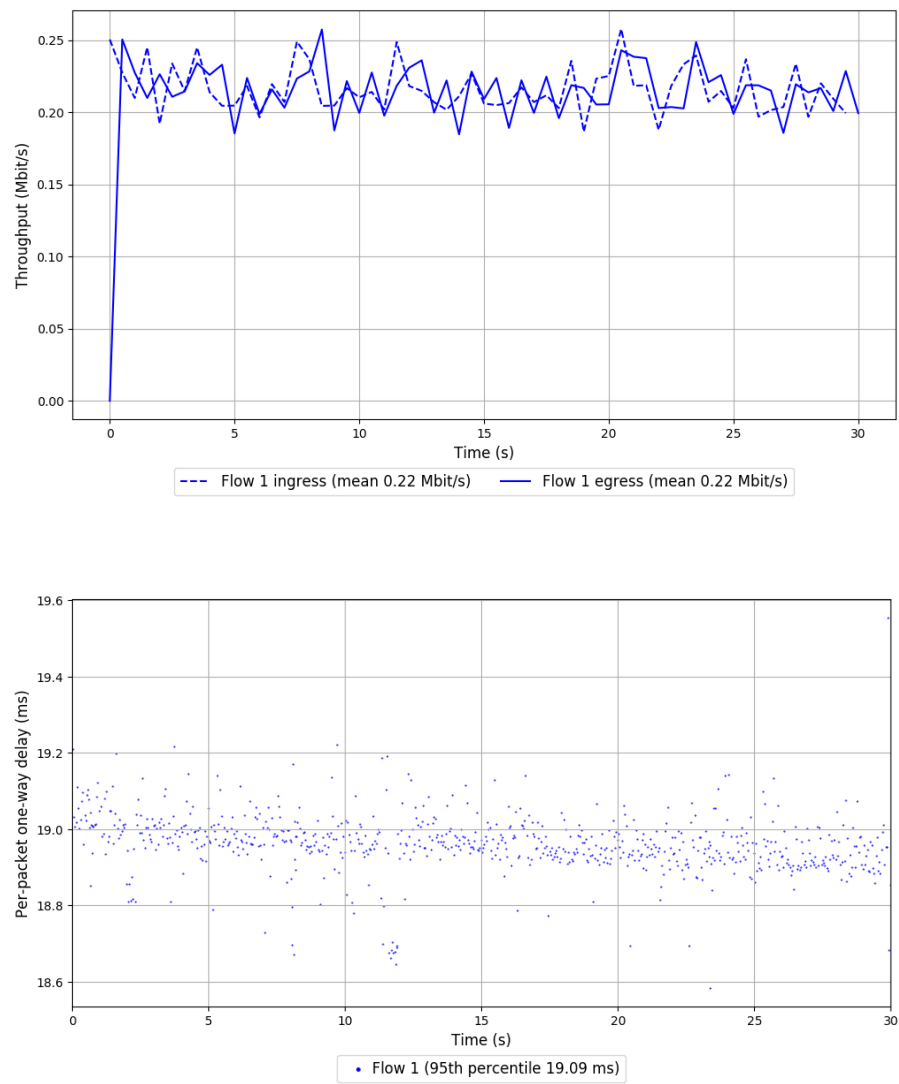


```
Run 1: Statistics of SCReAM

Start at: 2018-08-01 00:03:50
End at: 2018-08-01 00:04:20
Local clock offset: -6.411 ms
Remote clock offset: -3.613 ms

# Below is generated by plot.py at 2018-08-01 05:55:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.086 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.086 ms
Loss rate: 0.00%
```


Run 1: Report of SReAM — Data Link

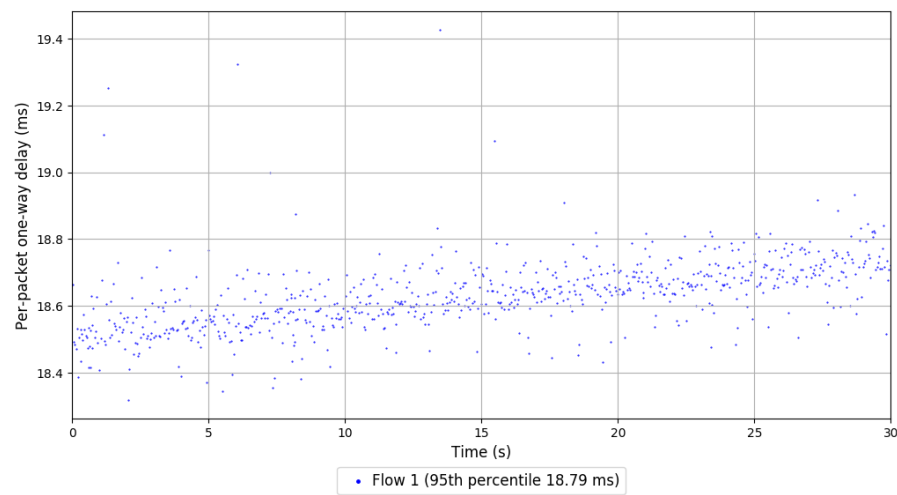
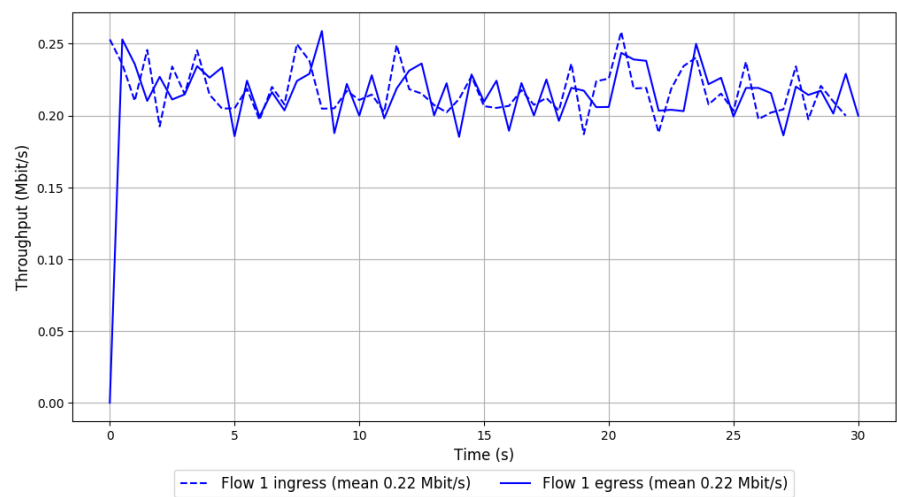


Run 2: Statistics of SCReAM

Start at: 2018-08-01 00:29:21
End at: 2018-08-01 00:29:51
Local clock offset: -3.261 ms
Remote clock offset: -2.204 ms

Below is generated by plot.py at 2018-08-01 05:55:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.786 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.786 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-08-01 00:54:53

End at: 2018-08-01 00:55:23

Local clock offset: 1.55 ms

Remote clock offset: 1.475 ms

Below is generated by plot.py at 2018-08-01 05:55:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.109 ms

Loss rate: 0.00%

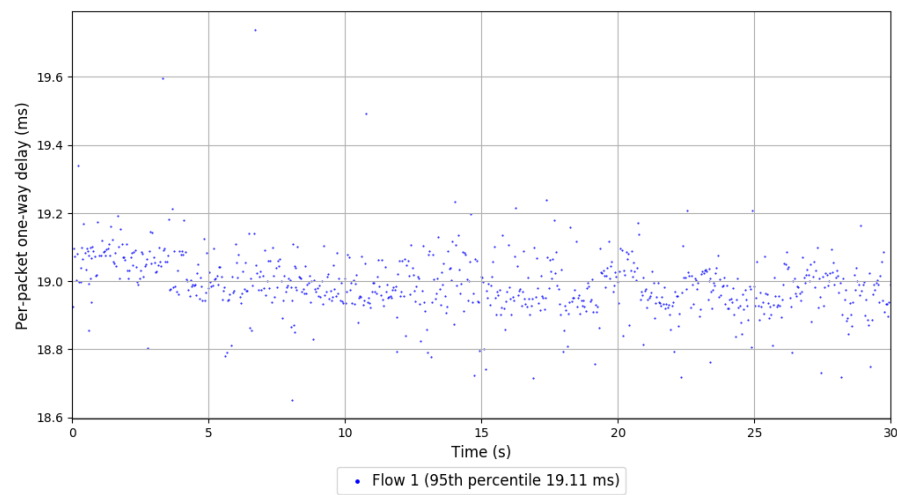
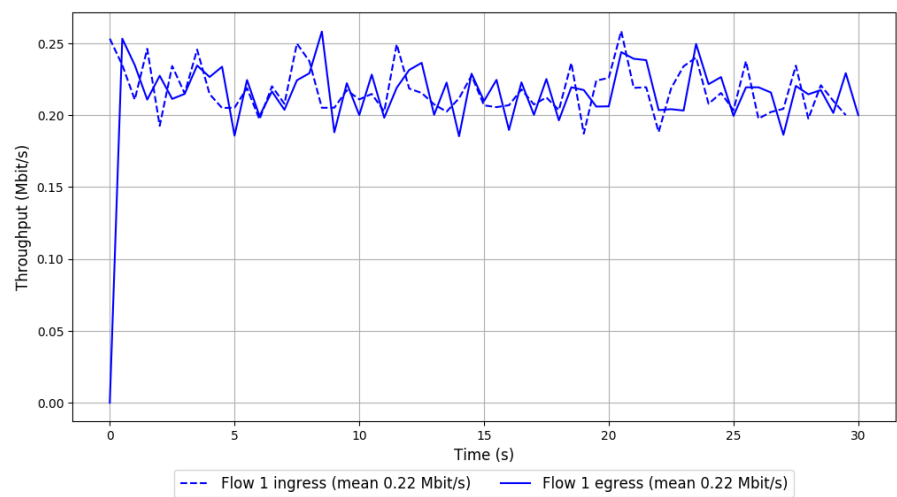
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.109 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-08-01 01:20:37

End at: 2018-08-01 01:21:07

Local clock offset: 1.422 ms

Remote clock offset: 0.713 ms

Below is generated by plot.py at 2018-08-01 05:55:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.157 ms

Loss rate: 0.00%

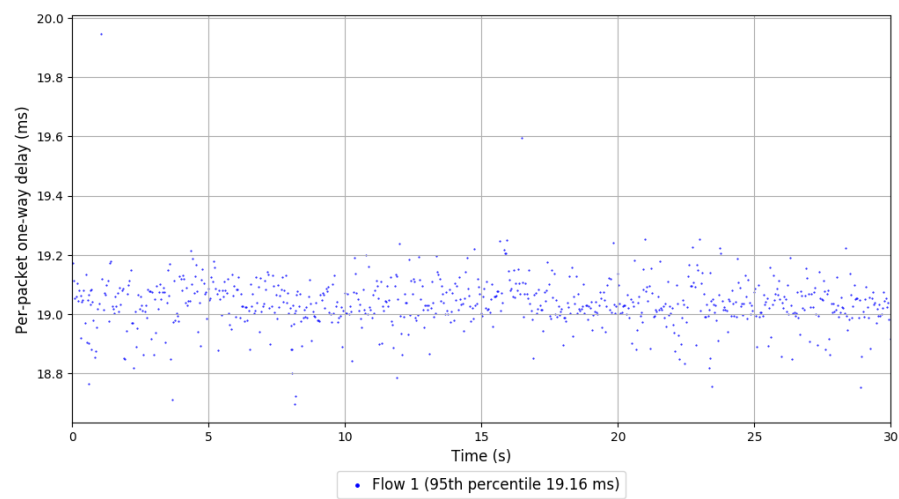
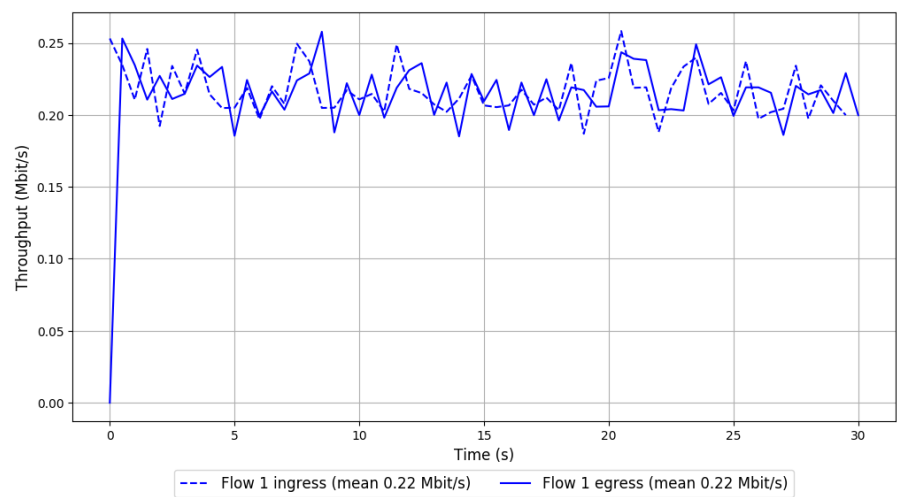
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.157 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

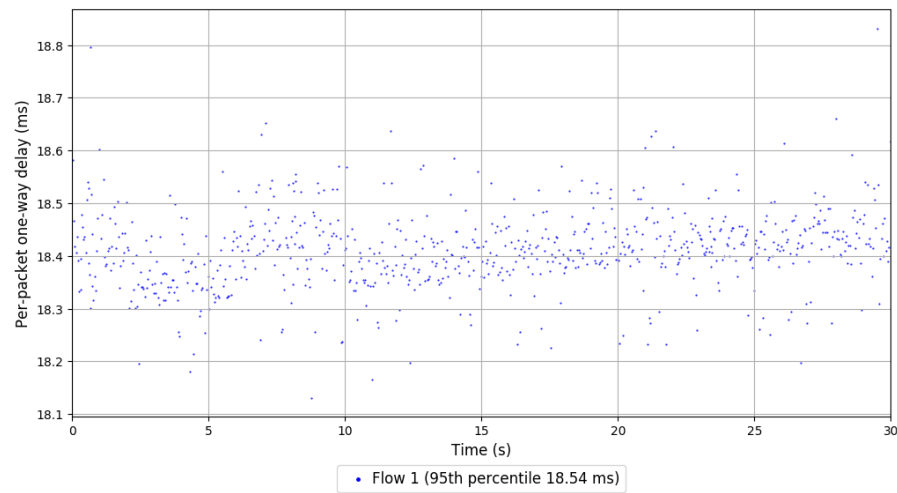
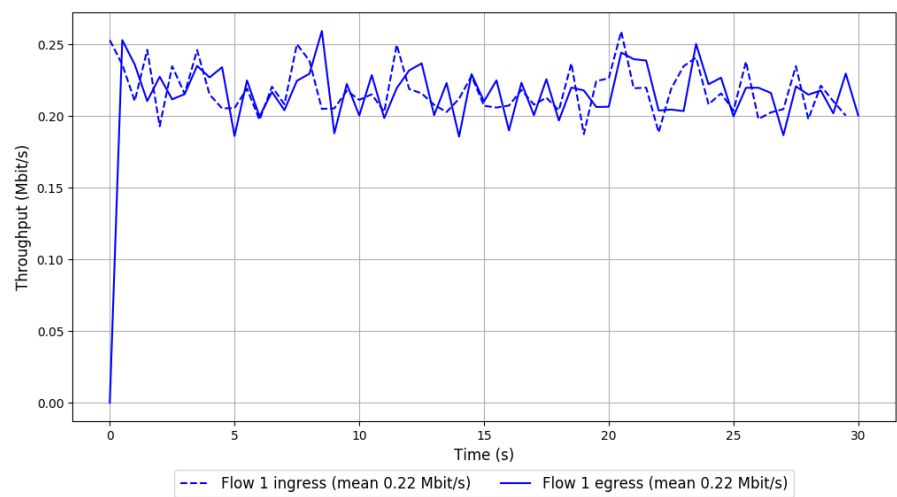


Run 5: Statistics of SCReAM

Start at: 2018-08-01 01:46:11
End at: 2018-08-01 01:46:41
Local clock offset: 0.638 ms
Remote clock offset: -1.626 ms

Below is generated by plot.py at 2018-08-01 05:55:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.536 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.536 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

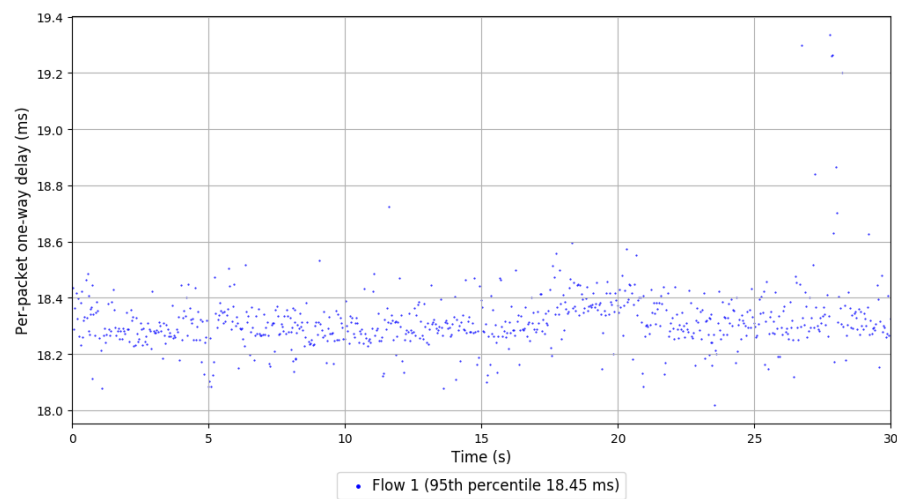
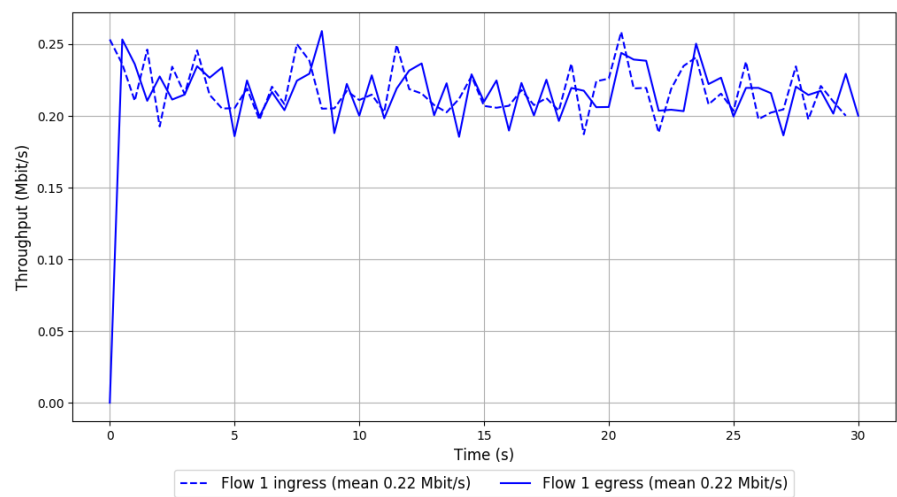


Run 6: Statistics of SCReAM

Start at: 2018-08-01 02:11:45
End at: 2018-08-01 02:12:15
Local clock offset: 0.474 ms
Remote clock offset: -4.436 ms

Below is generated by plot.py at 2018-08-01 05:55:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.455 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.455 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

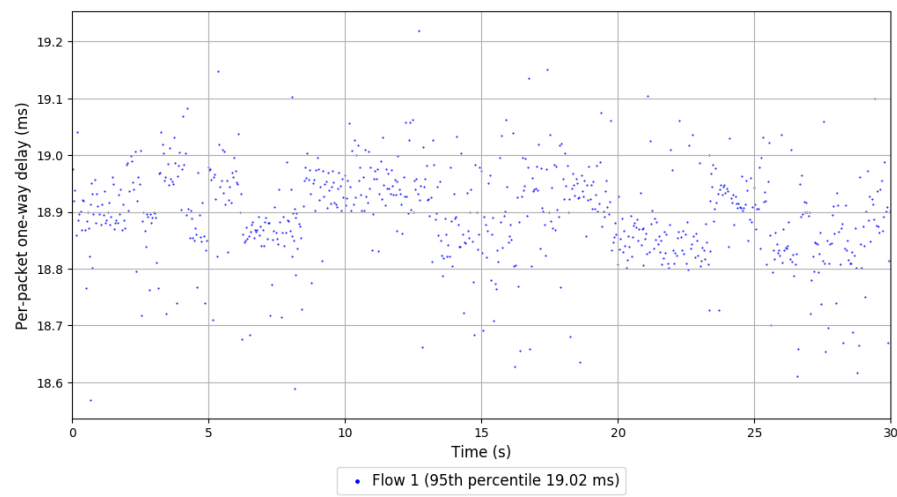
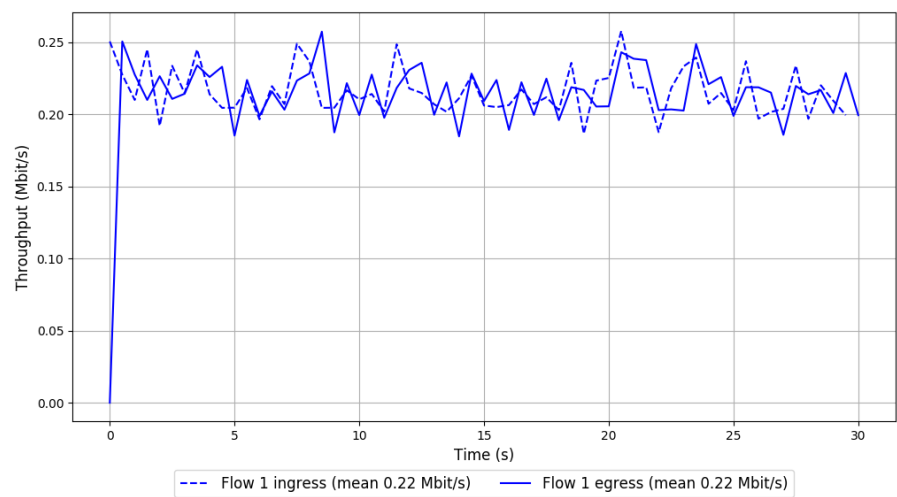


Run 7: Statistics of SCReAM

Start at: 2018-08-01 02:37:03
End at: 2018-08-01 02:37:33
Local clock offset: -2.614 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-08-01 05:55:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.019 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.019 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

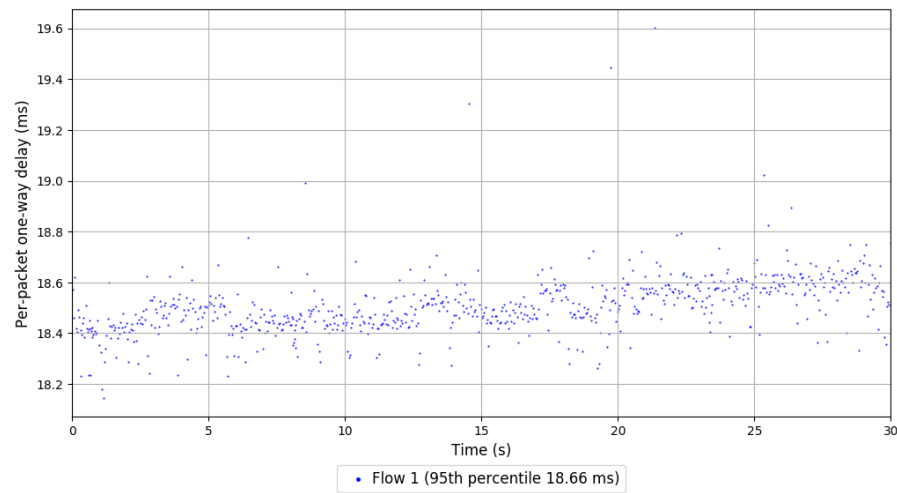
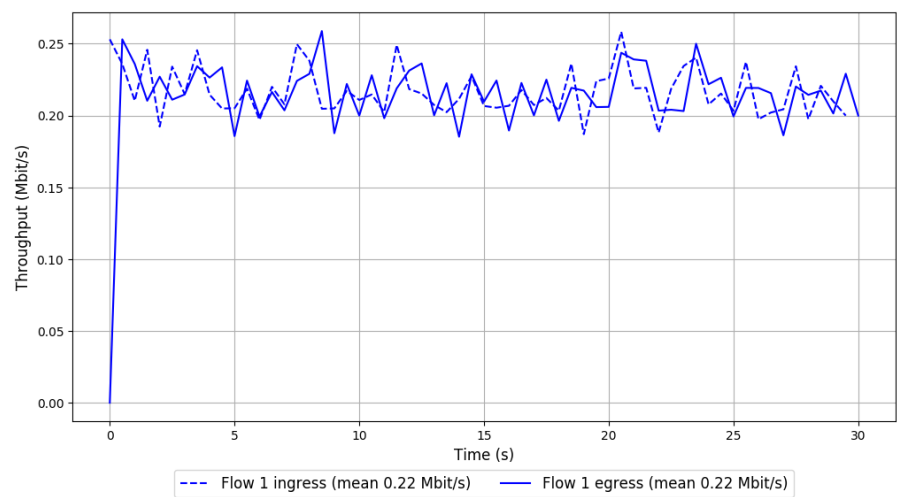


Run 8: Statistics of SCReAM

Start at: 2018-08-01 03:02:30
End at: 2018-08-01 03:03:00
Local clock offset: -0.906 ms
Remote clock offset: -3.679 ms

Below is generated by plot.py at 2018-08-01 05:55:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.661 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.661 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-08-01 03:28:09

End at: 2018-08-01 03:28:39

Local clock offset: -0.873 ms

Remote clock offset: -3.77 ms

Below is generated by plot.py at 2018-08-01 05:55:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 18.946 ms

Loss rate: 0.00%

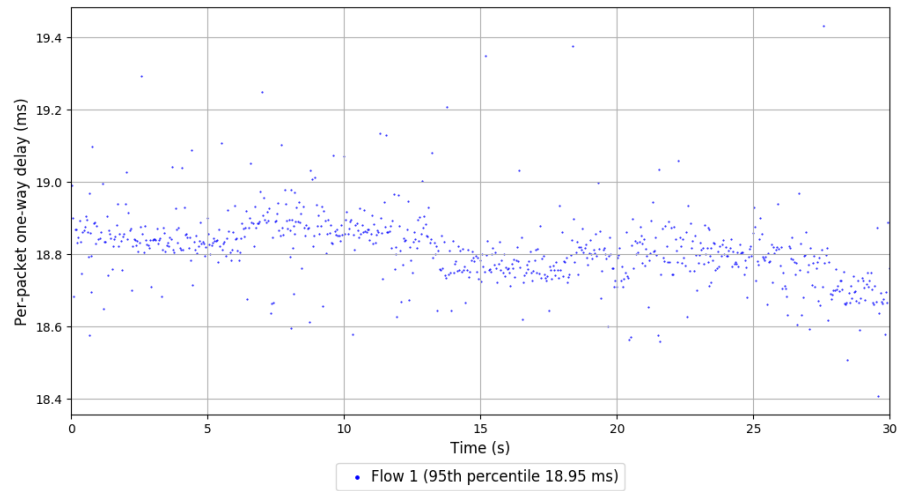
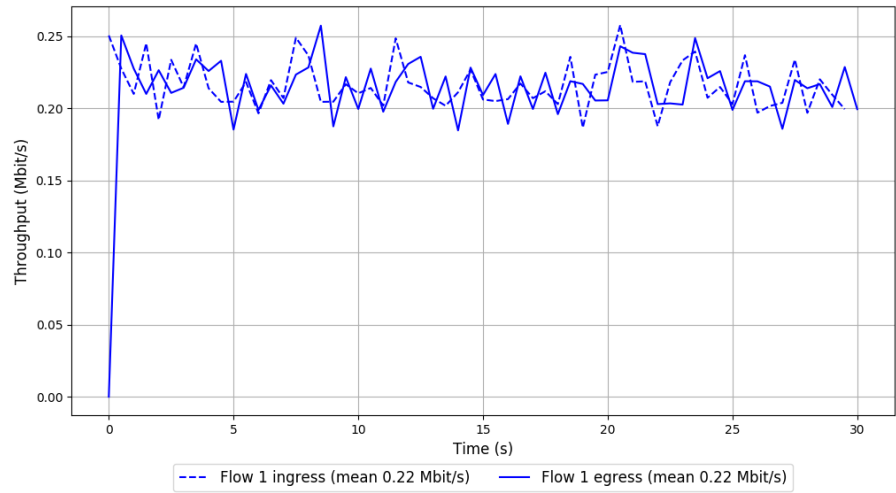
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 18.946 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-08-01 03:53:47

End at: 2018-08-01 03:54:17

Local clock offset: -2.75 ms

Remote clock offset: -3.01 ms

Below is generated by plot.py at 2018-08-01 05:55:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 18.051 ms

Loss rate: 0.00%

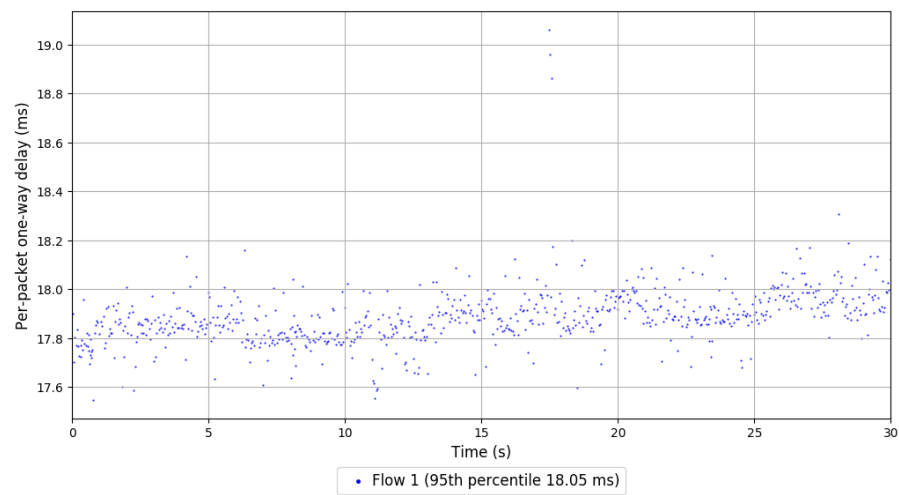
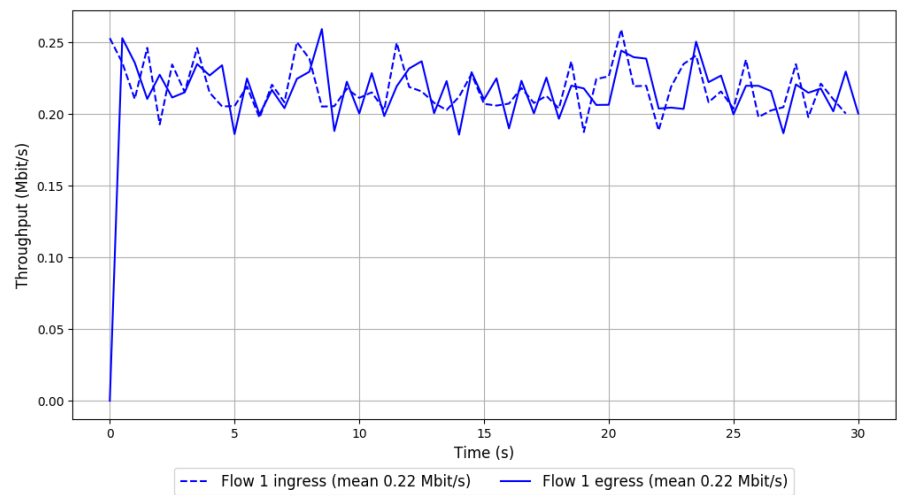
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 18.051 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

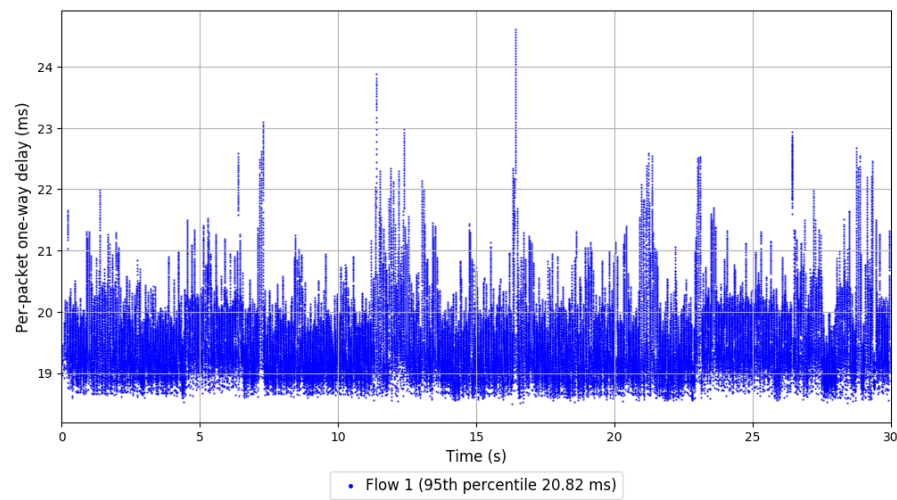
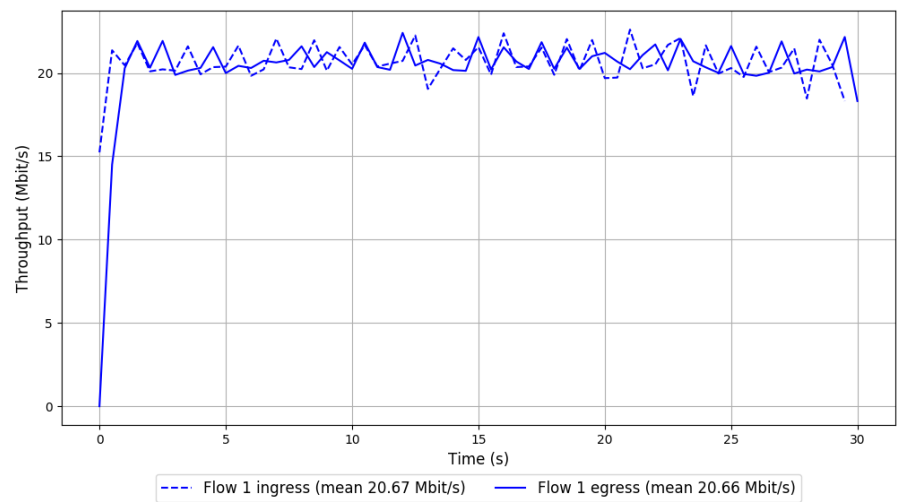


Run 1: Statistics of Sprout

Start at: 2018-08-01 00:15:43
End at: 2018-08-01 00:16:13
Local clock offset: -7.379 ms
Remote clock offset: -2.649 ms

Below is generated by plot.py at 2018-08-01 05:55:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.66 Mbit/s
95th percentile per-packet one-way delay: 20.821 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.66 Mbit/s
95th percentile per-packet one-way delay: 20.821 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-08-01 00:41:06

End at: 2018-08-01 00:41:36

Local clock offset: 0.391 ms

Remote clock offset: 0.155 ms

Below is generated by plot.py at 2018-08-01 05:55:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.91 Mbit/s

95th percentile per-packet one-way delay: 21.049 ms

Loss rate: 0.08%

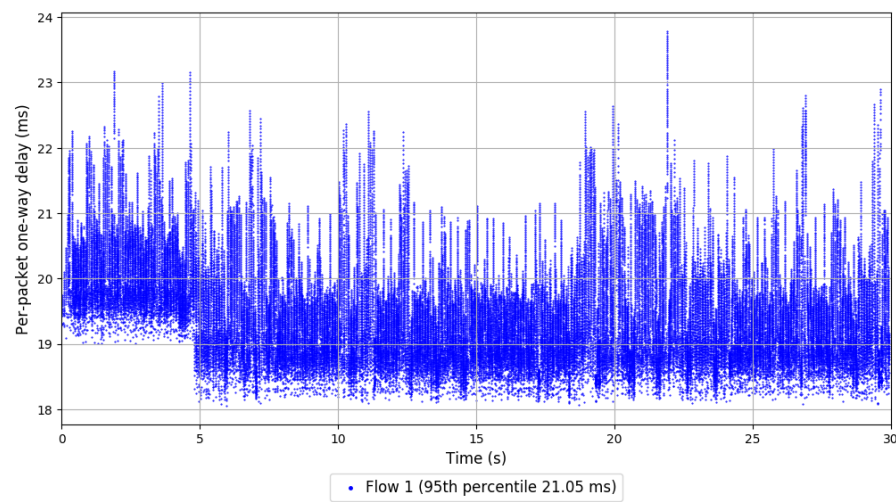
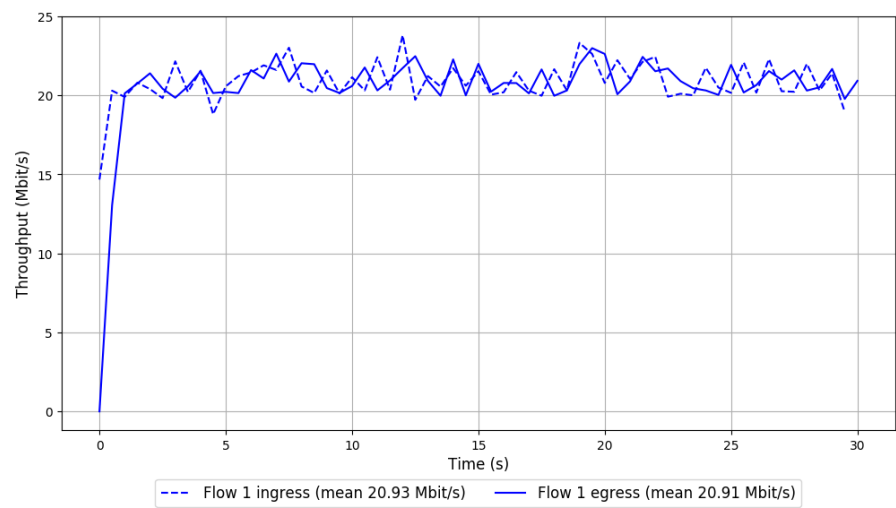
-- Flow 1:

Average throughput: 20.91 Mbit/s

95th percentile per-packet one-way delay: 21.049 ms

Loss rate: 0.08%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-08-01 01:06:52

End at: 2018-08-01 01:07:22

Local clock offset: 1.135 ms

Remote clock offset: 1.639 ms

Below is generated by plot.py at 2018-08-01 05:55:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.01 Mbit/s

95th percentile per-packet one-way delay: 20.574 ms

Loss rate: 0.00%

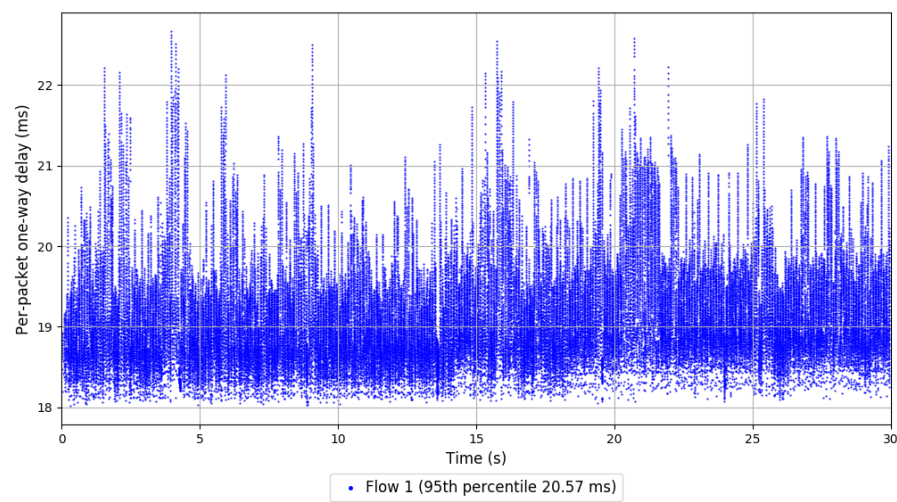
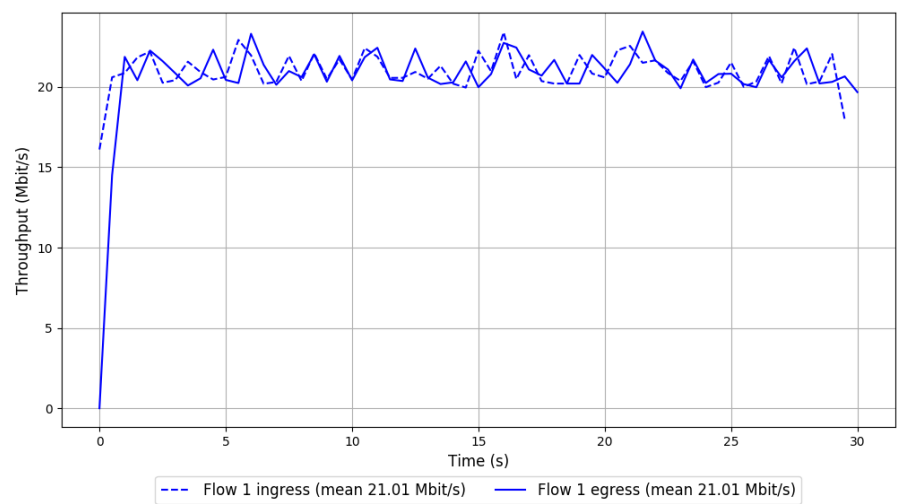
-- Flow 1:

Average throughput: 21.01 Mbit/s

95th percentile per-packet one-way delay: 20.574 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-08-01 01:32:31

End at: 2018-08-01 01:33:01

Local clock offset: 0.685 ms

Remote clock offset: 0.794 ms

Below is generated by plot.py at 2018-08-01 05:55:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.12 Mbit/s

95th percentile per-packet one-way delay: 19.991 ms

Loss rate: 0.00%

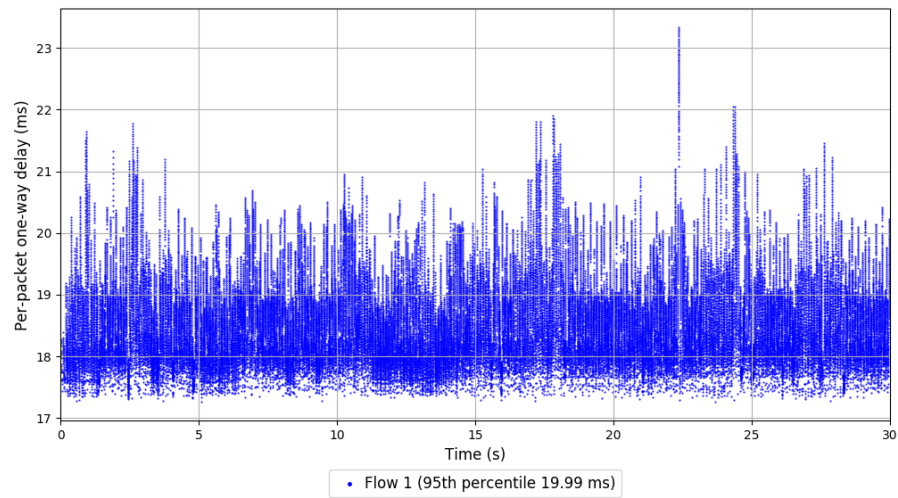
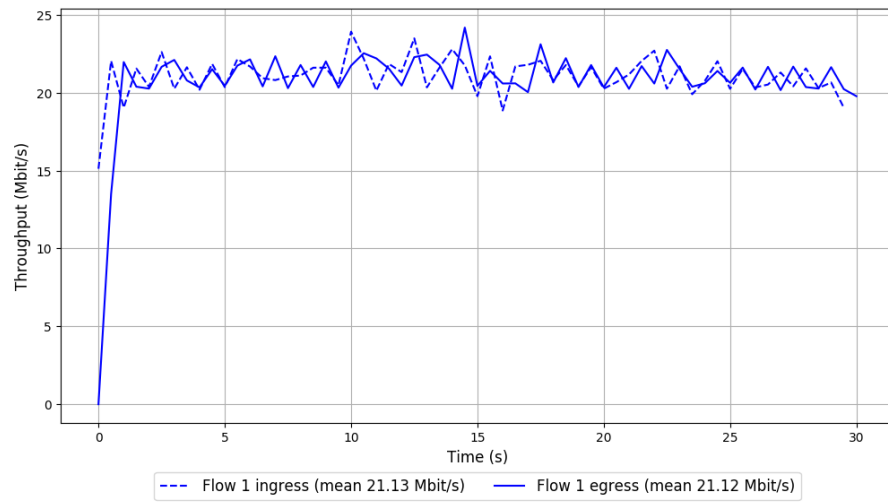
-- Flow 1:

Average throughput: 21.12 Mbit/s

95th percentile per-packet one-way delay: 19.991 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

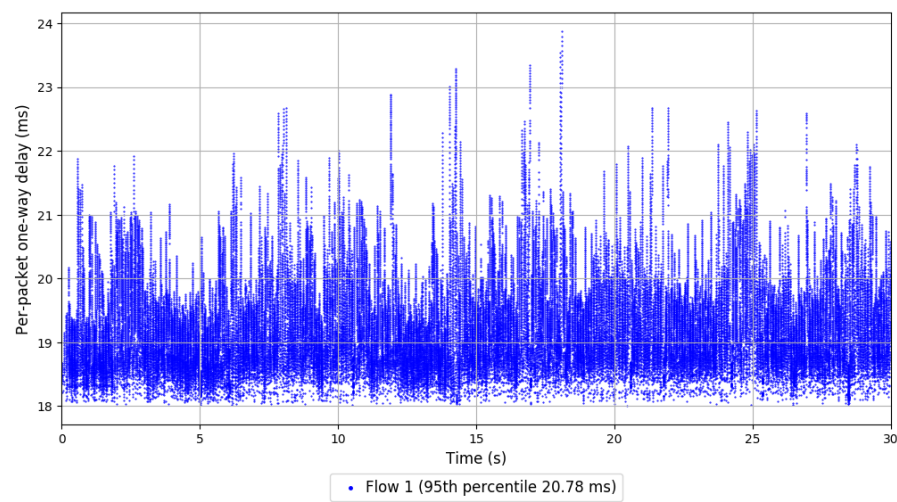
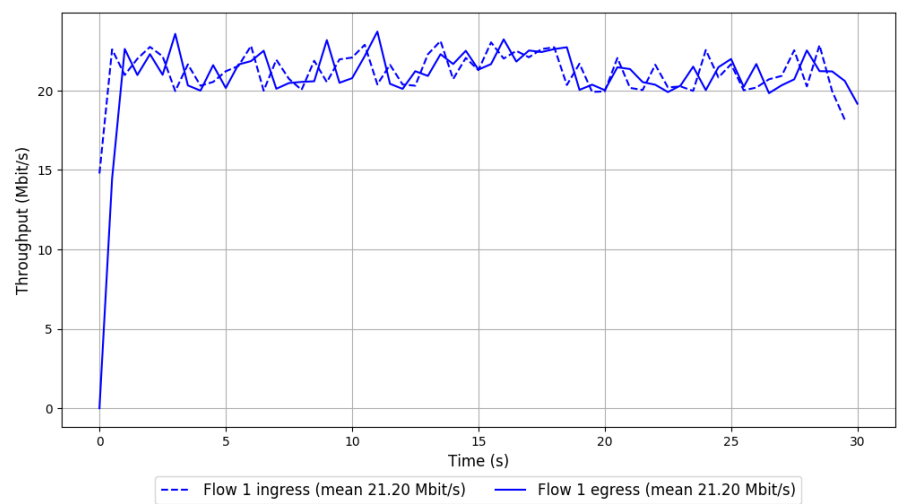


Run 5: Statistics of Sprout

Start at: 2018-08-01 01:58:00
End at: 2018-08-01 01:58:30
Local clock offset: 0.567 ms
Remote clock offset: -3.358 ms

Below is generated by plot.py at 2018-08-01 05:55:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.20 Mbit/s
95th percentile per-packet one-way delay: 20.782 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.20 Mbit/s
95th percentile per-packet one-way delay: 20.782 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

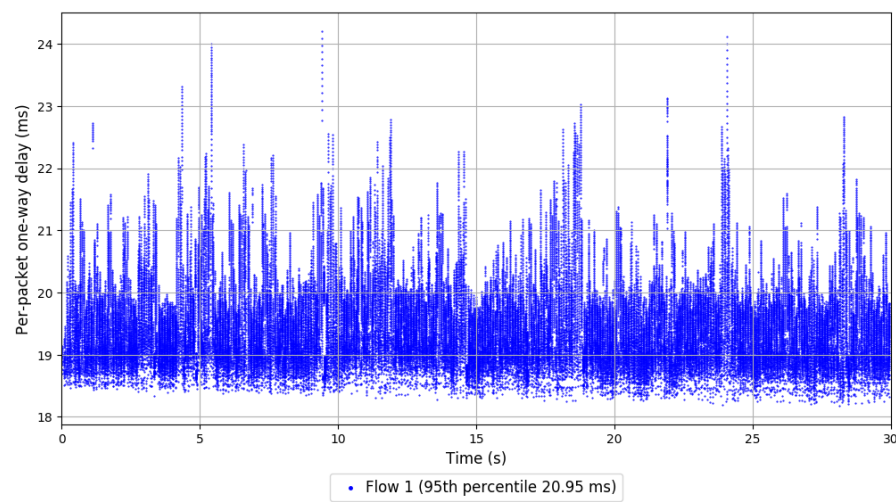
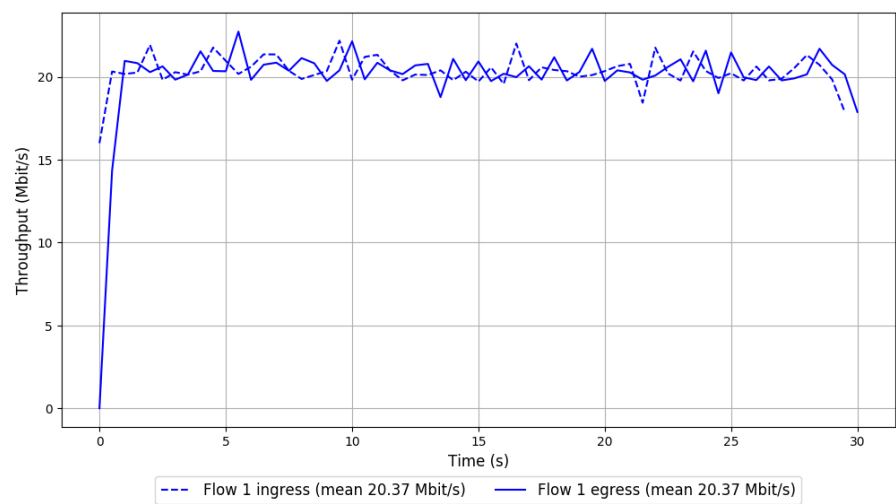


Run 6: Statistics of Sprout

Start at: 2018-08-01 02:23:31
End at: 2018-08-01 02:24:01
Local clock offset: 0.185 ms
Remote clock offset: -1.212 ms

Below is generated by plot.py at 2018-08-01 05:55:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.37 Mbit/s
95th percentile per-packet one-way delay: 20.948 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.37 Mbit/s
95th percentile per-packet one-way delay: 20.948 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

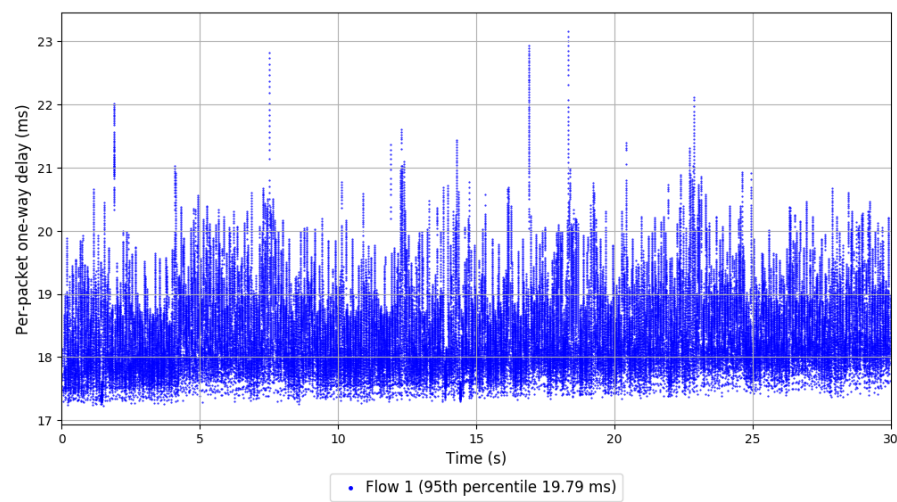
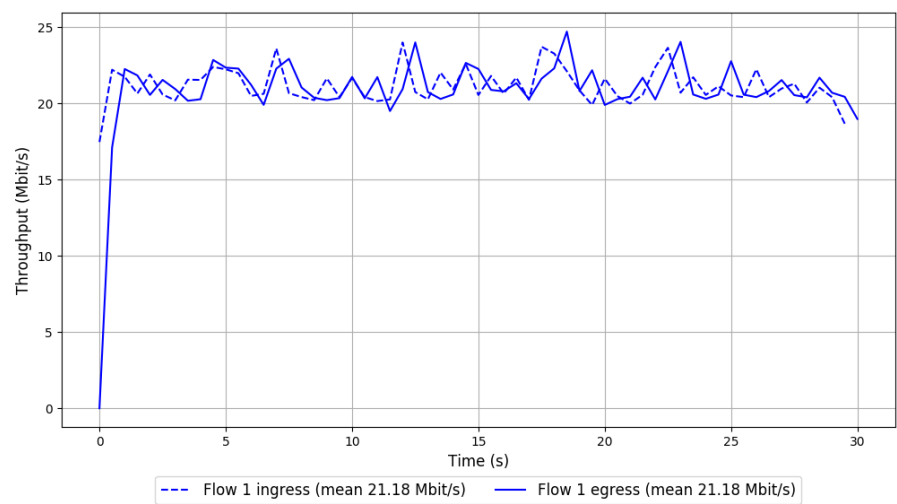


Run 7: Statistics of Sprout

Start at: 2018-08-01 02:48:52
End at: 2018-08-01 02:49:22
Local clock offset: -3.588 ms
Remote clock offset: -0.777 ms

Below is generated by plot.py at 2018-08-01 05:55:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.18 Mbit/s
95th percentile per-packet one-way delay: 19.793 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.18 Mbit/s
95th percentile per-packet one-way delay: 19.793 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

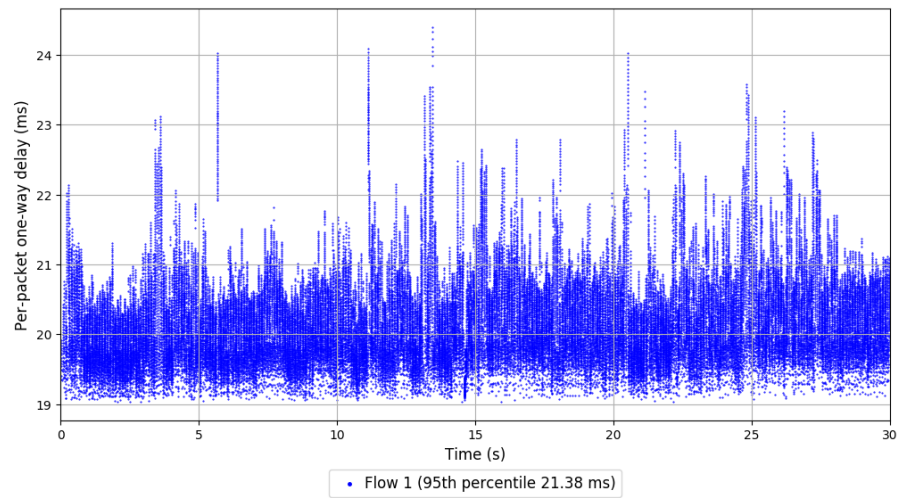
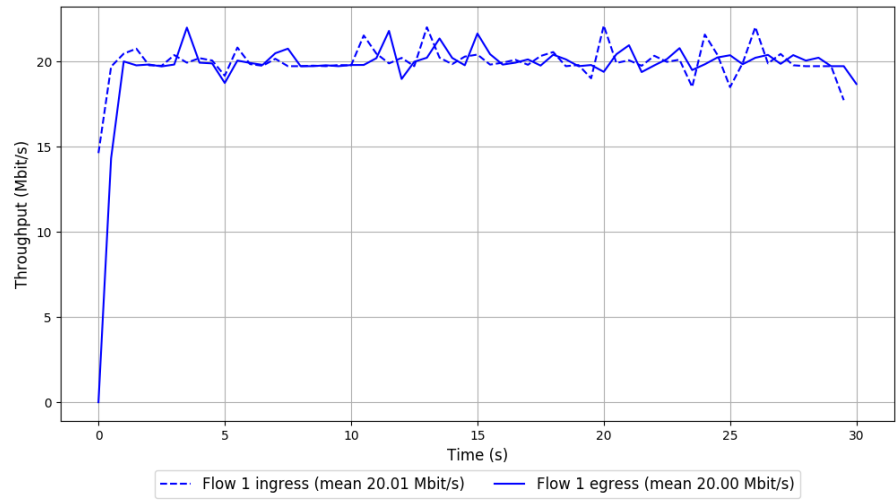


Run 8: Statistics of Sprout

Start at: 2018-08-01 03:14:21
End at: 2018-08-01 03:14:51
Local clock offset: 0.345 ms
Remote clock offset: -4.623 ms

Below is generated by plot.py at 2018-08-01 05:55:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.00 Mbit/s
95th percentile per-packet one-way delay: 21.380 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.00 Mbit/s
95th percentile per-packet one-way delay: 21.380 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

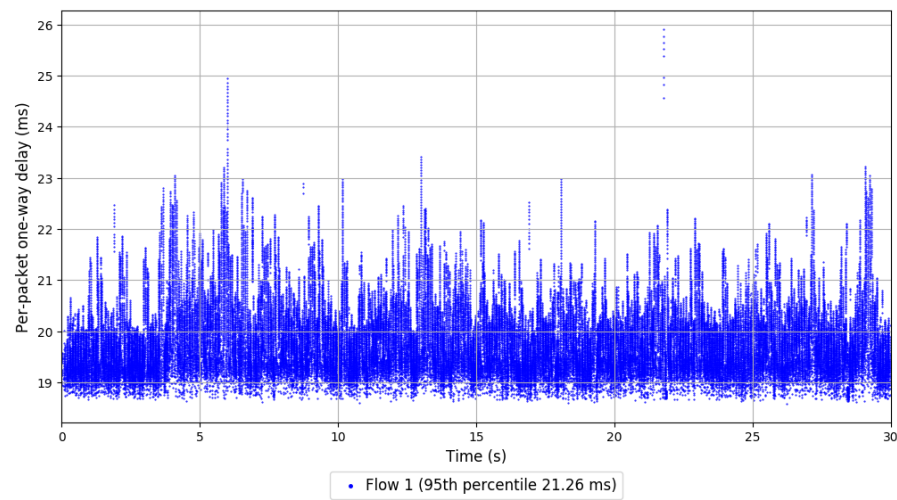
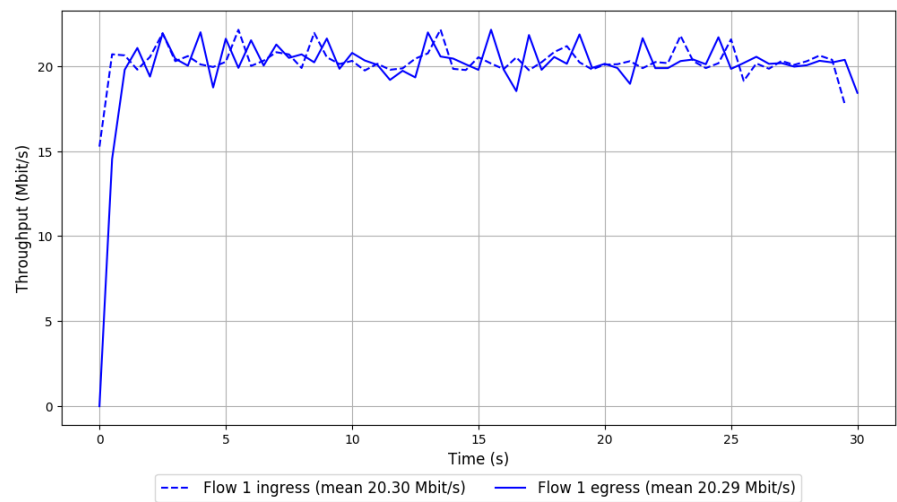


Run 9: Statistics of Sprout

Start at: 2018-08-01 03:39:57
End at: 2018-08-01 03:40:27
Local clock offset: -2.446 ms
Remote clock offset: -3.042 ms

Below is generated by plot.py at 2018-08-01 05:55:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.29 Mbit/s
95th percentile per-packet one-way delay: 21.262 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 20.29 Mbit/s
95th percentile per-packet one-way delay: 21.262 ms
Loss rate: 0.03%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-08-01 04:05:46

End at: 2018-08-01 04:06:17

Local clock offset: -0.2 ms

Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-08-01 05:55:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.19 Mbit/s

95th percentile per-packet one-way delay: 21.689 ms

Loss rate: 0.07%

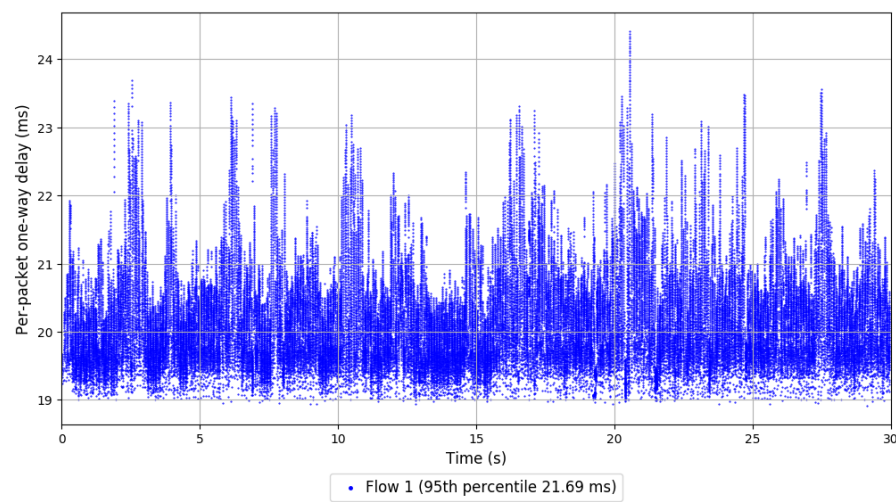
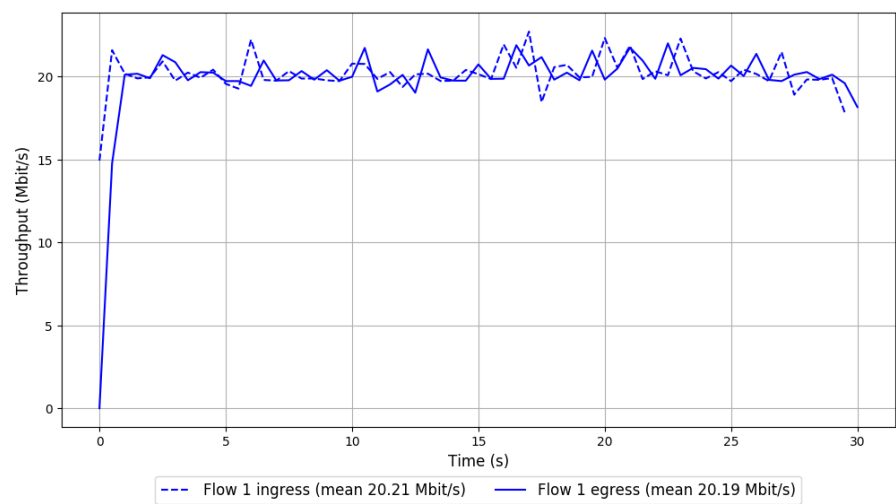
-- Flow 1:

Average throughput: 20.19 Mbit/s

95th percentile per-packet one-way delay: 21.689 ms

Loss rate: 0.07%

Run 10: Report of Sprout — Data Link

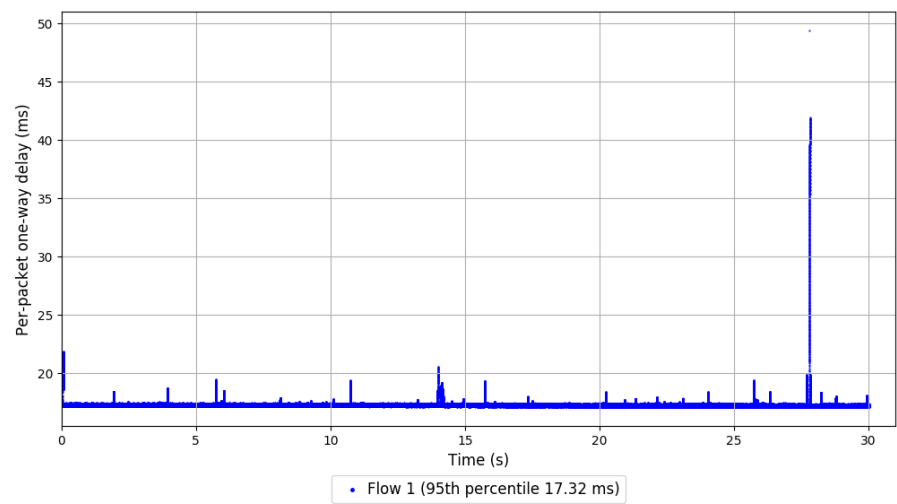
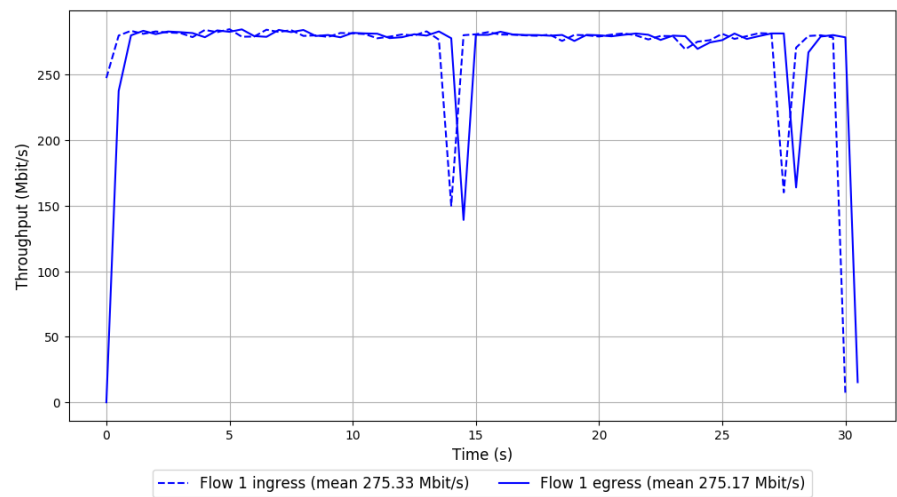


Run 1: Statistics of TaoVA-100x

Start at: 2018-08-01 00:12:43
End at: 2018-08-01 00:13:13
Local clock offset: -7.221 ms
Remote clock offset: -2.868 ms

Below is generated by plot.py at 2018-08-01 05:57:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 275.17 Mbit/s
95th percentile per-packet one-way delay: 17.324 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 275.17 Mbit/s
95th percentile per-packet one-way delay: 17.324 ms
Loss rate: 0.06%

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

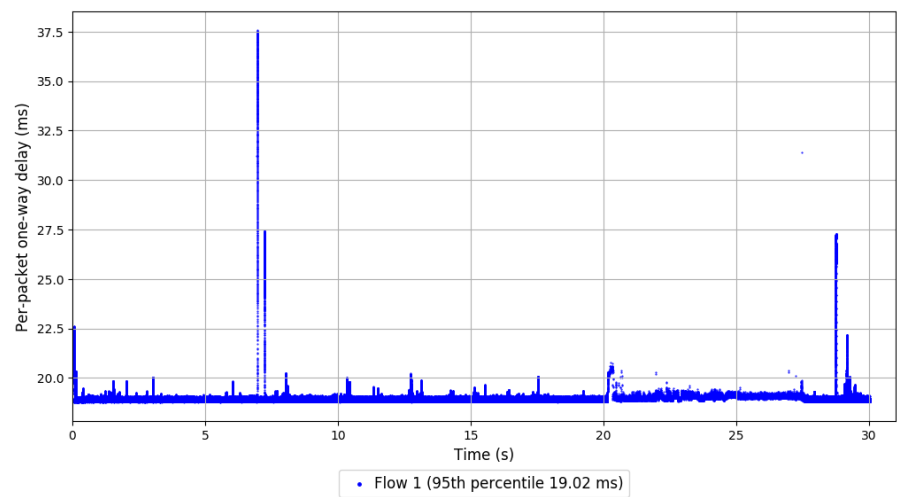
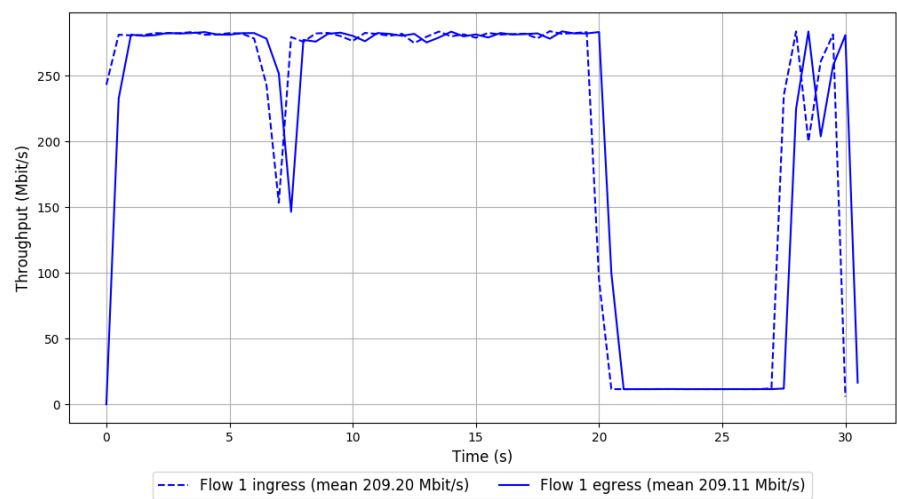


Run 2: Statistics of TaoVA-100x

Start at: 2018-08-01 00:38:11
End at: 2018-08-01 00:38:42
Local clock offset: -0.205 ms
Remote clock offset: -0.228 ms

Below is generated by plot.py at 2018-08-01 05:57:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 209.11 Mbit/s
95th percentile per-packet one-way delay: 19.025 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 209.11 Mbit/s
95th percentile per-packet one-way delay: 19.025 ms
Loss rate: 0.04%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-08-01 01:03:49

End at: 2018-08-01 01:04:19

Local clock offset: 1.156 ms

Remote clock offset: 1.993 ms

Below is generated by plot.py at 2018-08-01 05:57:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 276.88 Mbit/s

95th percentile per-packet one-way delay: 18.724 ms

Loss rate: 0.04%

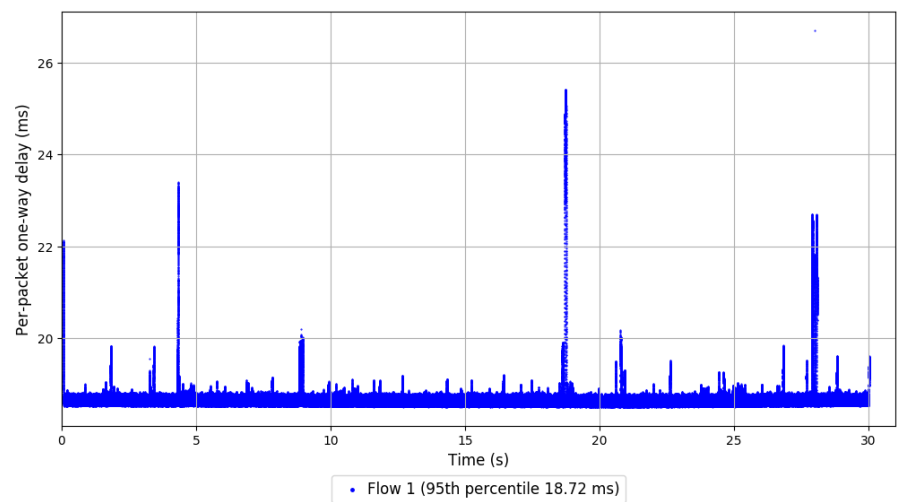
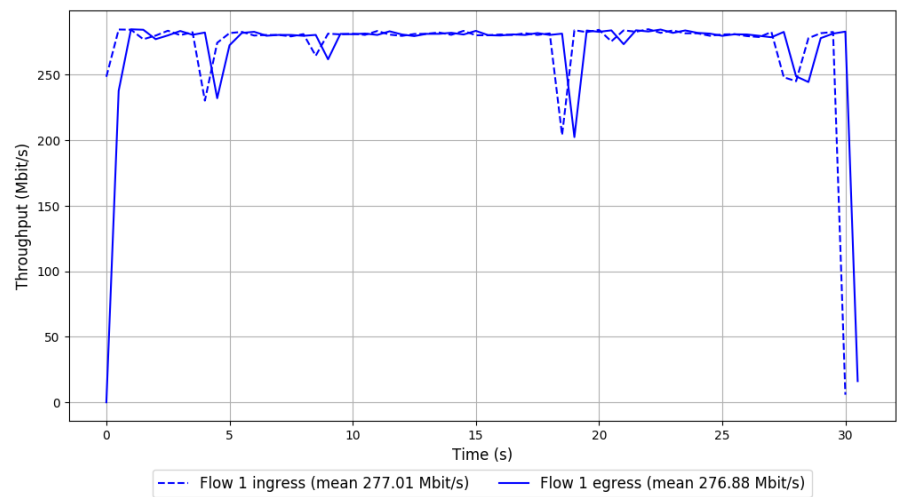
-- Flow 1:

Average throughput: 276.88 Mbit/s

95th percentile per-packet one-way delay: 18.724 ms

Loss rate: 0.04%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-08-01 01:29:29

End at: 2018-08-01 01:29:59

Local clock offset: 0.888 ms

Remote clock offset: 0.732 ms

Below is generated by plot.py at 2018-08-01 05:57:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 279.30 Mbit/s

95th percentile per-packet one-way delay: 18.064 ms

Loss rate: 0.02%

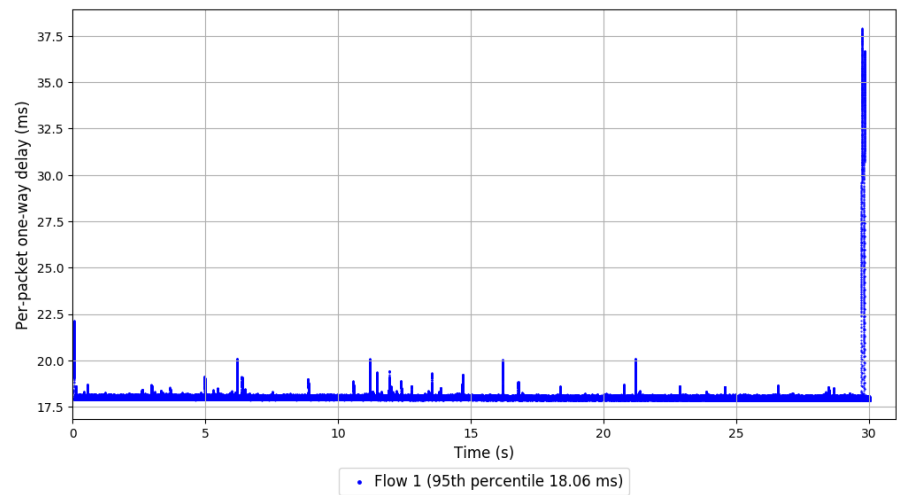
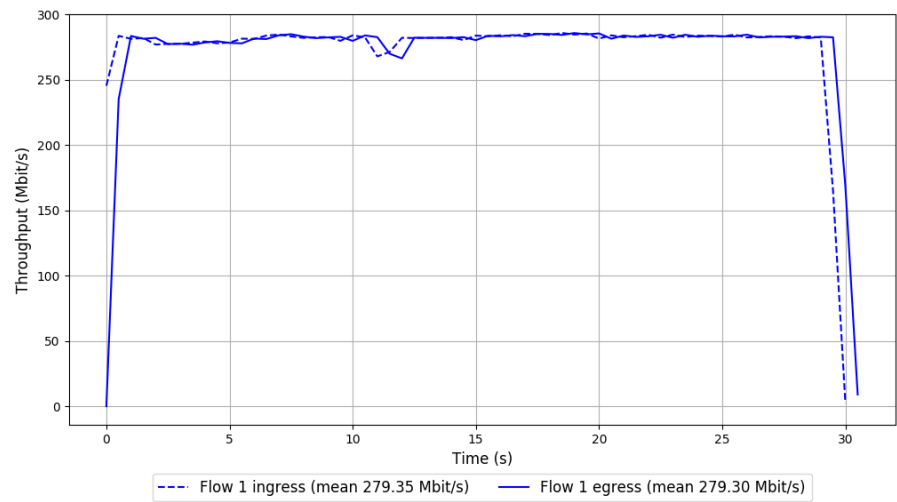
-- Flow 1:

Average throughput: 279.30 Mbit/s

95th percentile per-packet one-way delay: 18.064 ms

Loss rate: 0.02%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-08-01 01:54:59

End at: 2018-08-01 01:55:29

Local clock offset: 0.638 ms

Remote clock offset: -3.094 ms

Below is generated by plot.py at 2018-08-01 05:58:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 280.22 Mbit/s

95th percentile per-packet one-way delay: 17.363 ms

Loss rate: 0.02%

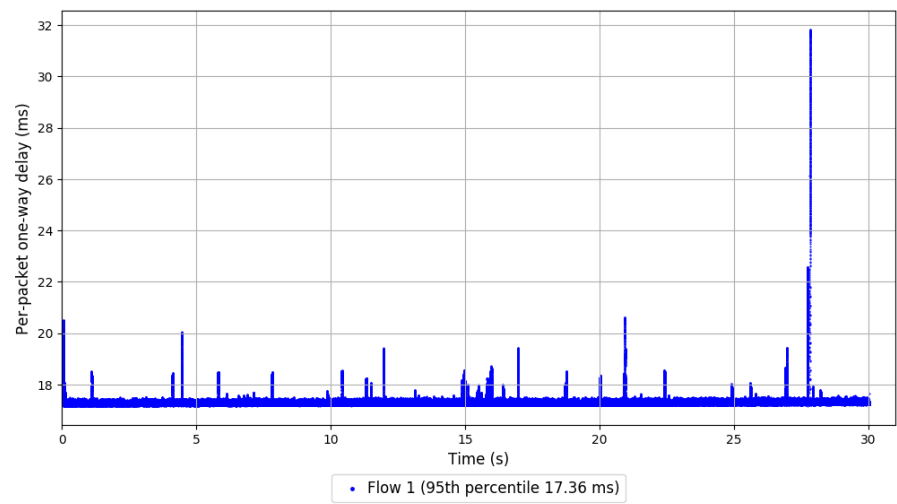
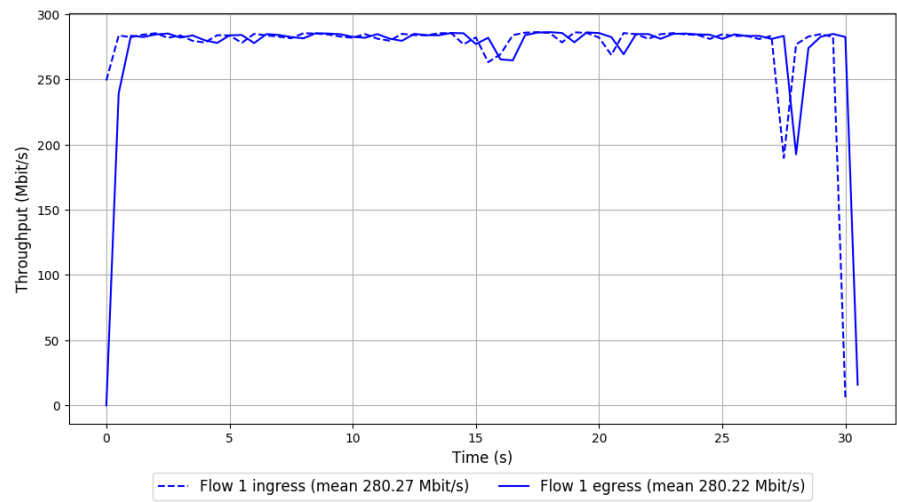
-- Flow 1:

Average throughput: 280.22 Mbit/s

95th percentile per-packet one-way delay: 17.363 ms

Loss rate: 0.02%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-08-01 02:20:33

End at: 2018-08-01 02:21:03

Local clock offset: 0.48 ms

Remote clock offset: -1.695 ms

Below is generated by plot.py at 2018-08-01 05:59:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 281.24 Mbit/s

95th percentile per-packet one-way delay: 17.299 ms

Loss rate: 0.00%

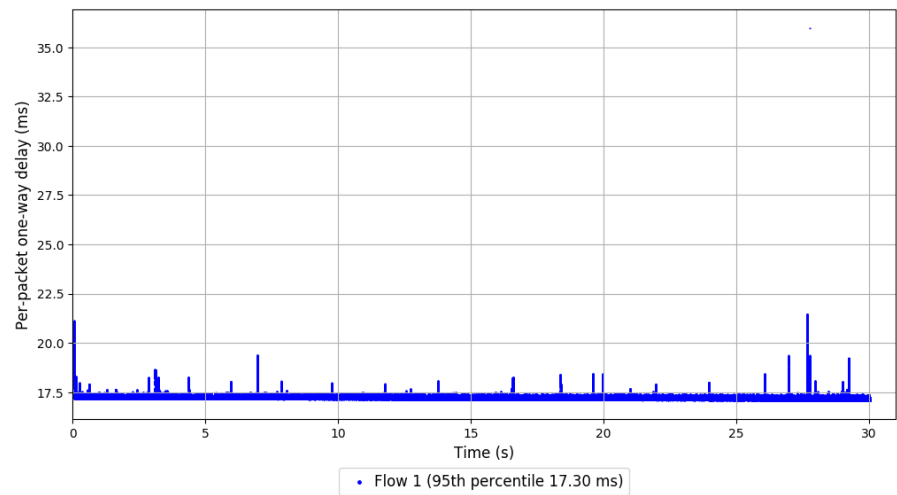
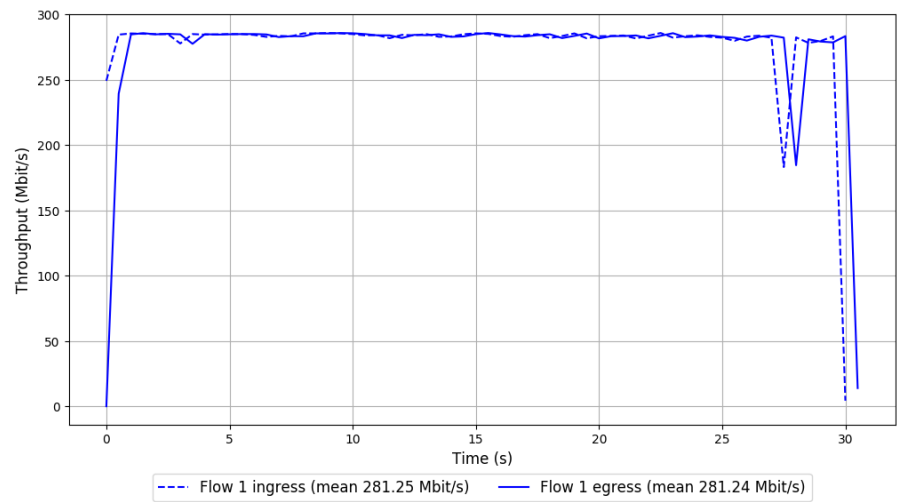
-- Flow 1:

Average throughput: 281.24 Mbit/s

95th percentile per-packet one-way delay: 17.299 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-08-01 02:45:49

End at: 2018-08-01 02:46:20

Local clock offset: -3.413 ms

Remote clock offset: 0.169 ms

Below is generated by plot.py at 2018-08-01 06:00:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 275.57 Mbit/s

95th percentile per-packet one-way delay: 18.102 ms

Loss rate: 0.05%

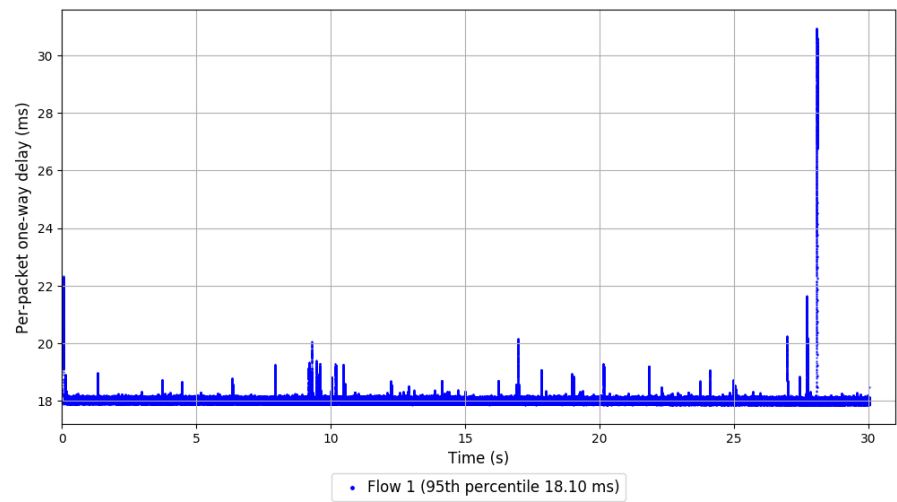
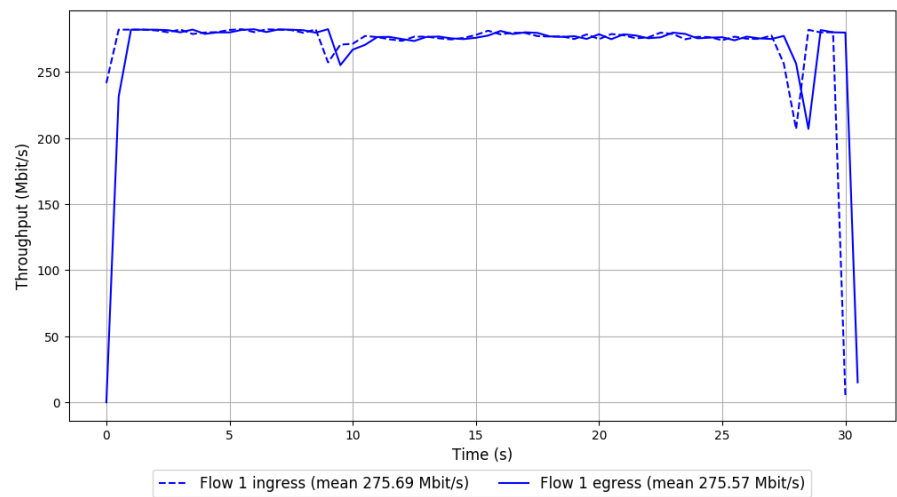
-- Flow 1:

Average throughput: 275.57 Mbit/s

95th percentile per-packet one-way delay: 18.102 ms

Loss rate: 0.05%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-08-01 03:11:19

End at: 2018-08-01 03:11:49

Local clock offset: 0.098 ms

Remote clock offset: -4.46 ms

Below is generated by plot.py at 2018-08-01 06:01:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 280.41 Mbit/s

95th percentile per-packet one-way delay: 18.952 ms

Loss rate: 0.06%

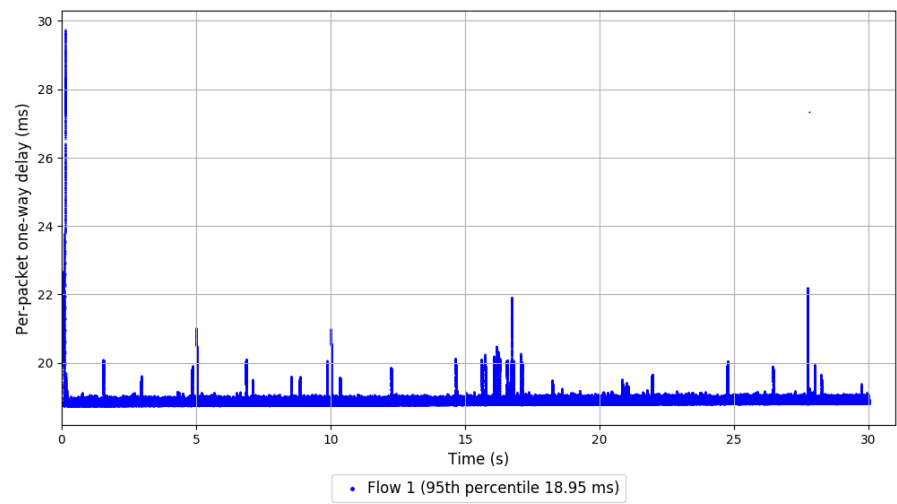
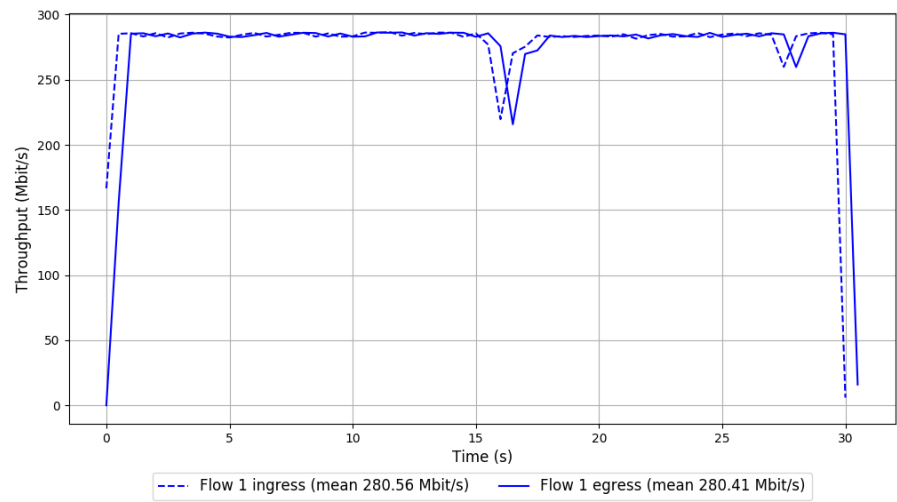
-- Flow 1:

Average throughput: 280.41 Mbit/s

95th percentile per-packet one-way delay: 18.952 ms

Loss rate: 0.06%

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

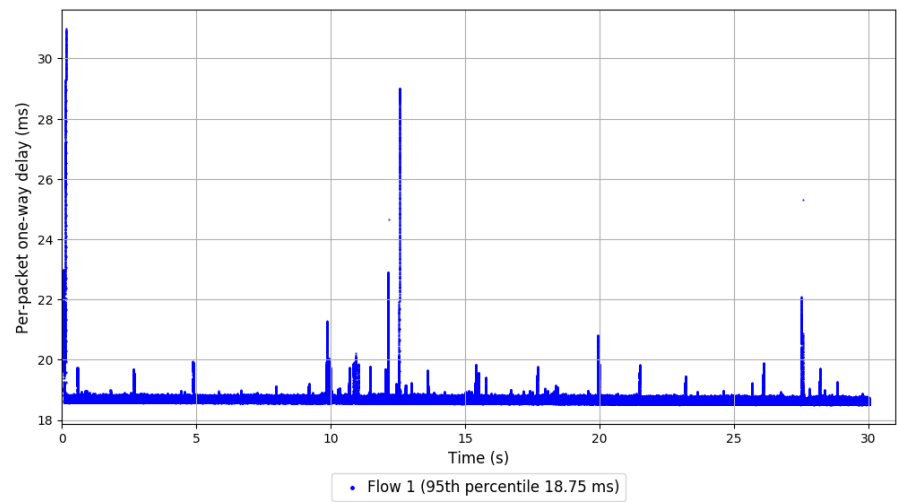
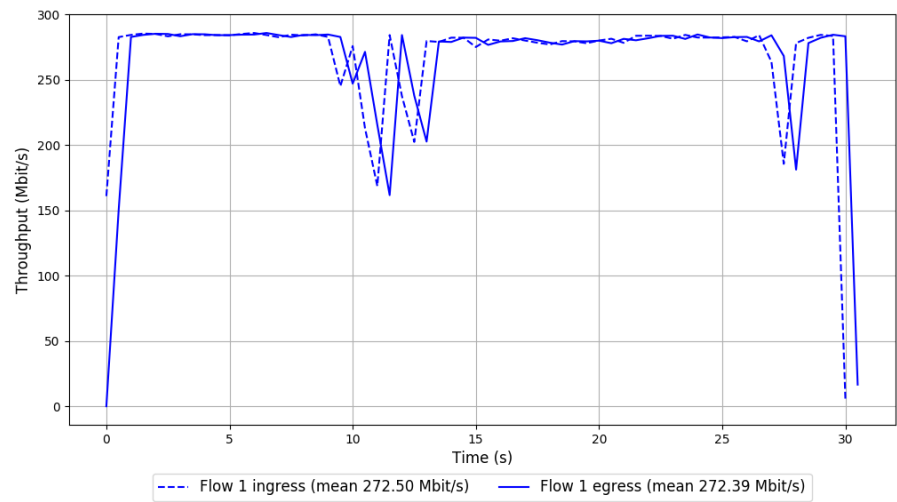


Run 9: Statistics of TaoVA-100x

Start at: 2018-08-01 03:36:58
End at: 2018-08-01 03:37:28
Local clock offset: -2.185 ms
Remote clock offset: -3.137 ms

Below is generated by plot.py at 2018-08-01 06:02:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 272.39 Mbit/s
95th percentile per-packet one-way delay: 18.749 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 272.39 Mbit/s
95th percentile per-packet one-way delay: 18.749 ms
Loss rate: 0.04%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-08-01 04:02:43

End at: 2018-08-01 04:03:13

Local clock offset: -0.686 ms

Remote clock offset: -0.672 ms

Below is generated by plot.py at 2018-08-01 06:03:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 281.49 Mbit/s

95th percentile per-packet one-way delay: 19.188 ms

Loss rate: 0.00%

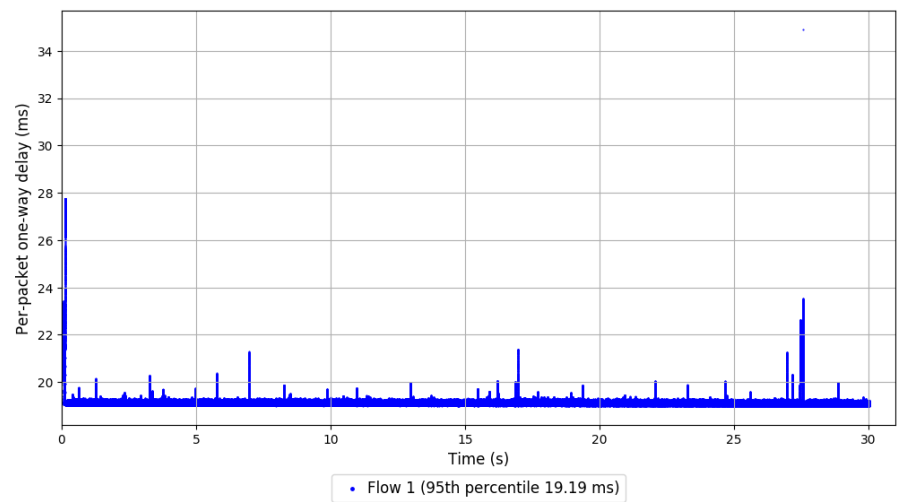
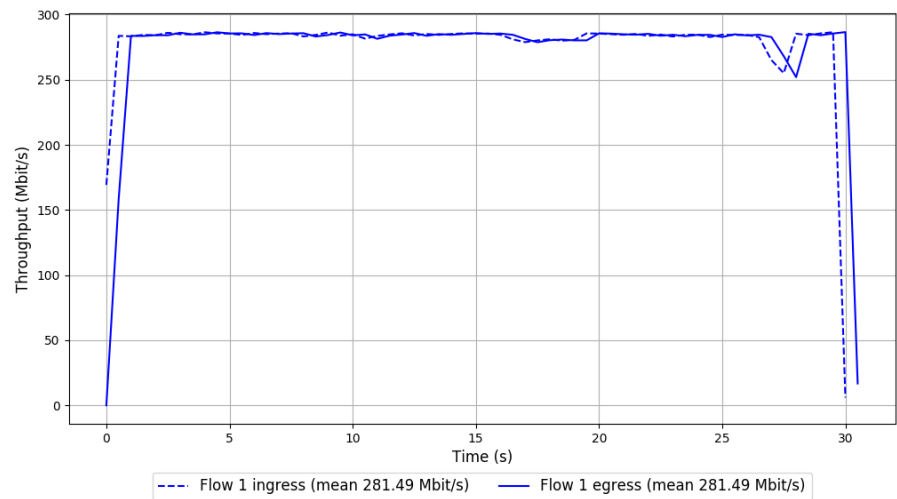
-- Flow 1:

Average throughput: 281.49 Mbit/s

95th percentile per-packet one-way delay: 19.188 ms

Loss rate: 0.00%

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

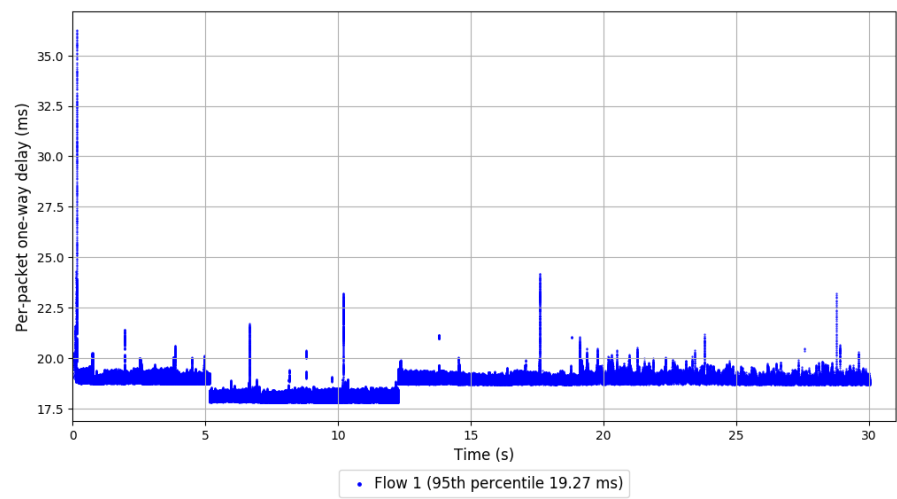
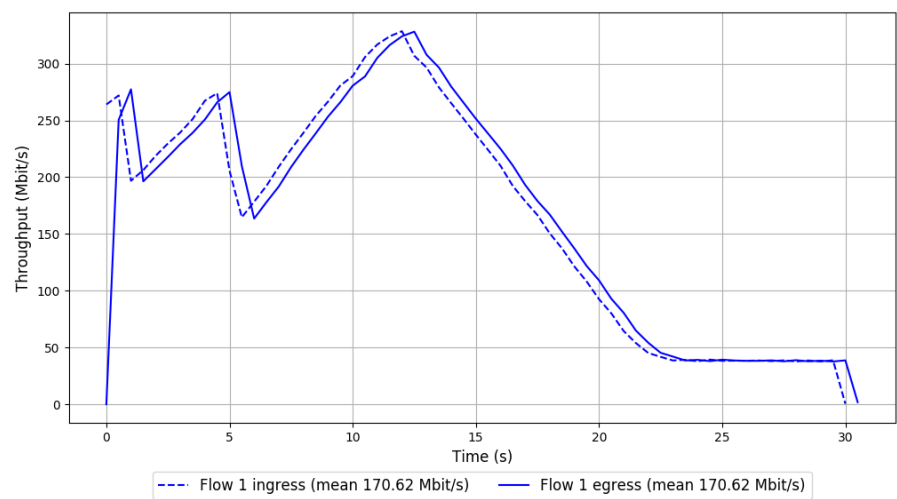


Run 1: Statistics of TCP Vegas

Start at: 2018-08-01 00:11:20
End at: 2018-08-01 00:11:50
Local clock offset: -6.988 ms
Remote clock offset: -2.947 ms

Below is generated by plot.py at 2018-08-01 06:03:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 170.62 Mbit/s
95th percentile per-packet one-way delay: 19.267 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 170.62 Mbit/s
95th percentile per-packet one-way delay: 19.267 ms
Loss rate: 0.01%

Run 1: Report of TCP Vegas — Data Link

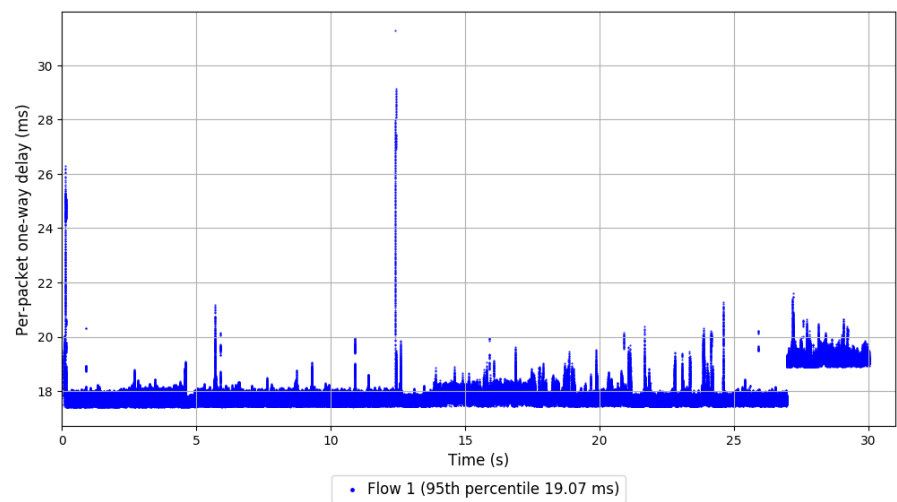
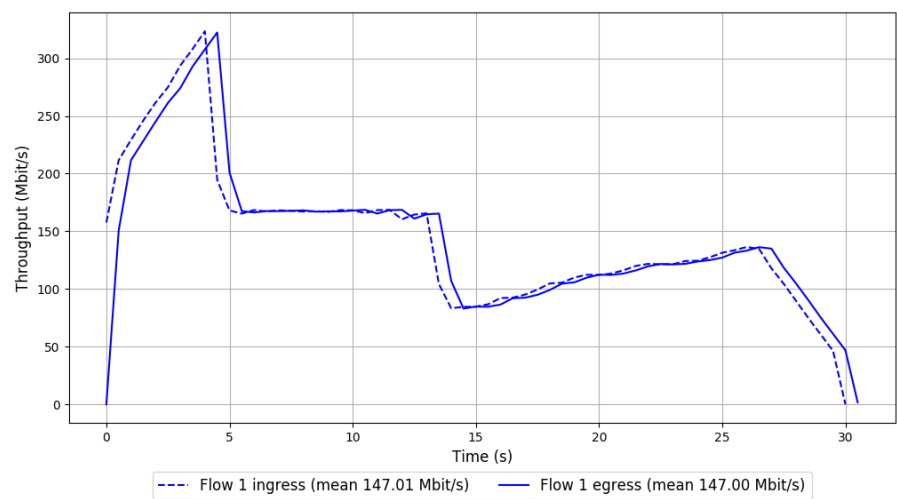


Run 2: Statistics of TCP Vegas

Start at: 2018-08-01 00:36:49
End at: 2018-08-01 00:37:19
Local clock offset: -0.575 ms
Remote clock offset: -0.455 ms

Below is generated by plot.py at 2018-08-01 06:03:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 147.00 Mbit/s
95th percentile per-packet one-way delay: 19.074 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 147.00 Mbit/s
95th percentile per-packet one-way delay: 19.074 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-08-01 01:02:22

End at: 2018-08-01 01:02:52

Local clock offset: 1.153 ms

Remote clock offset: 2.012 ms

Below is generated by plot.py at 2018-08-01 06:03:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 298.98 Mbit/s

95th percentile per-packet one-way delay: 18.576 ms

Loss rate: 0.01%

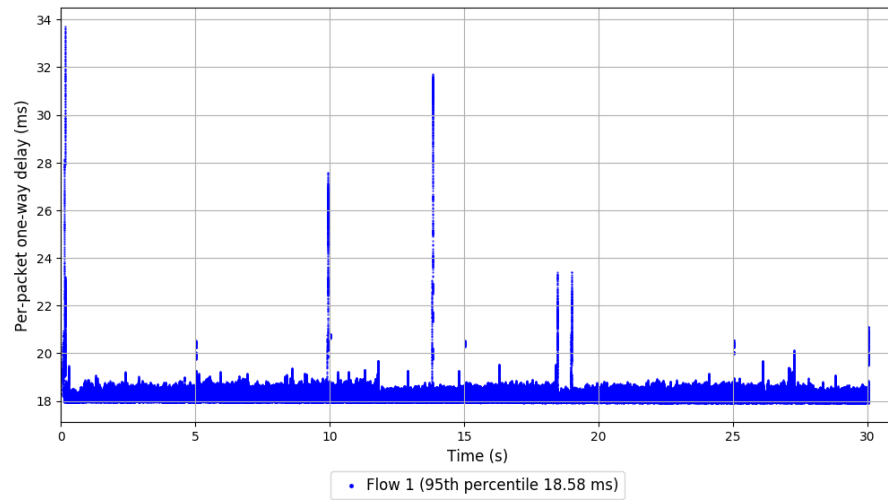
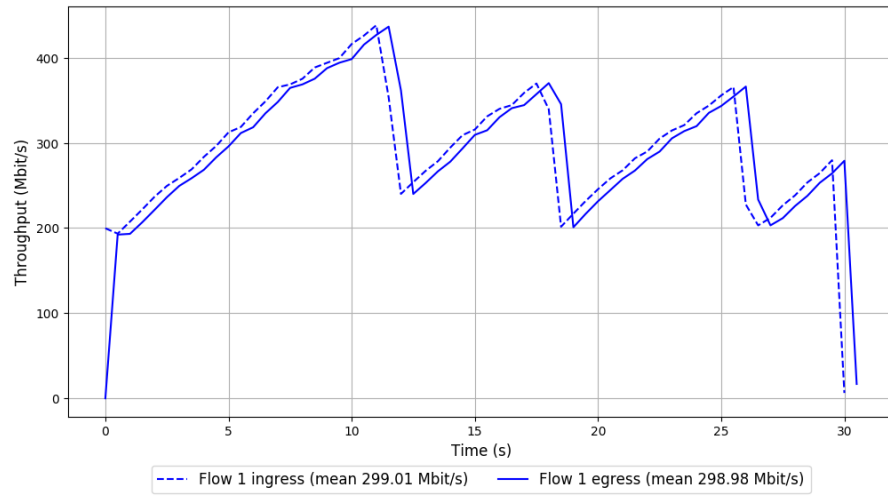
-- Flow 1:

Average throughput: 298.98 Mbit/s

95th percentile per-packet one-way delay: 18.576 ms

Loss rate: 0.01%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-08-01 01:28:07

End at: 2018-08-01 01:28:37

Local clock offset: 0.995 ms

Remote clock offset: 0.708 ms

Below is generated by plot.py at 2018-08-01 06:03:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 164.50 Mbit/s

95th percentile per-packet one-way delay: 17.811 ms

Loss rate: 0.00%

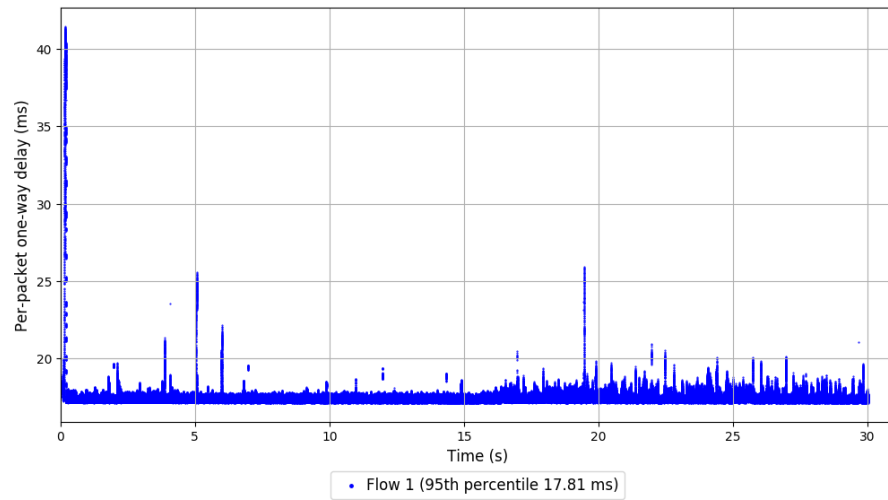
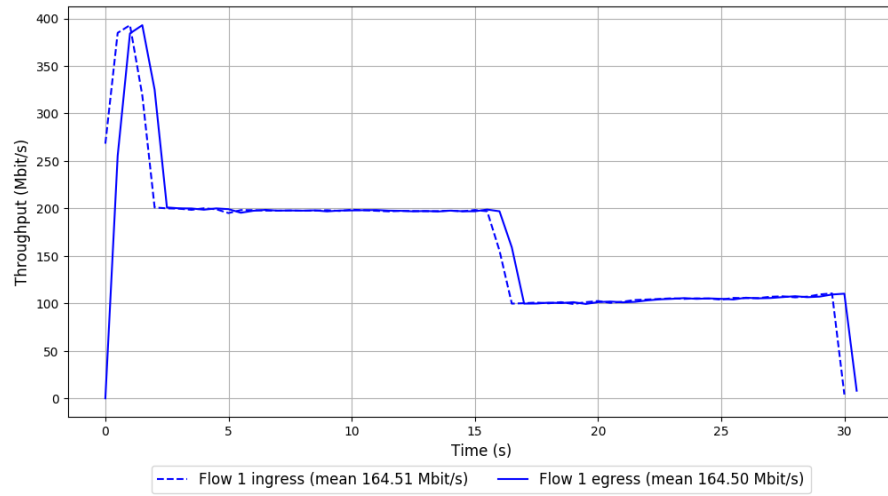
-- Flow 1:

Average throughput: 164.50 Mbit/s

95th percentile per-packet one-way delay: 17.811 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

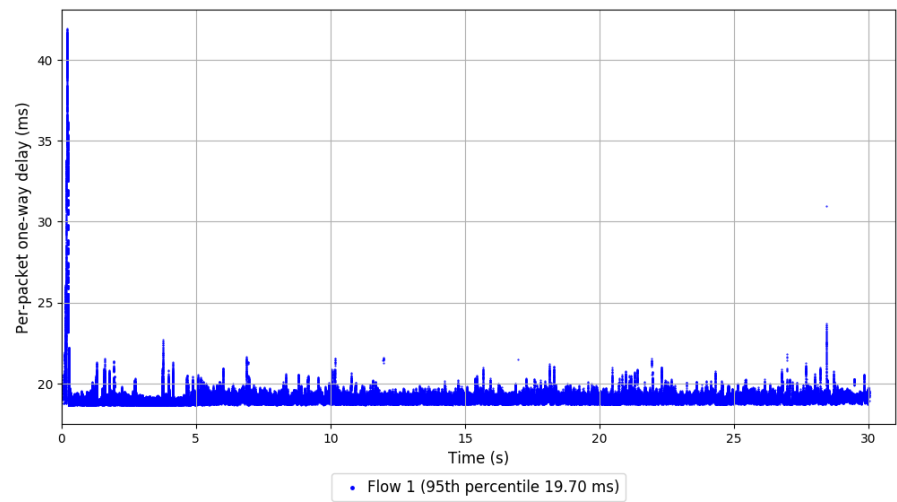
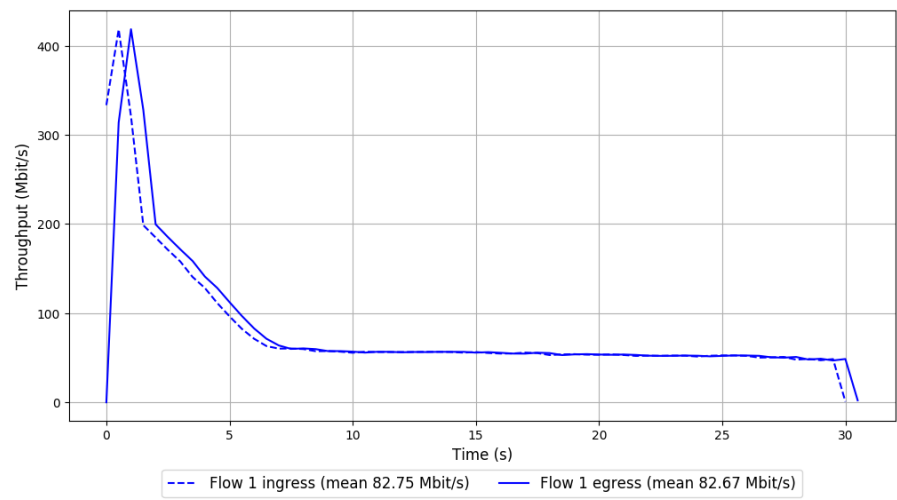


Run 5: Statistics of TCP Vegas

Start at: 2018-08-01 01:53:39
End at: 2018-08-01 01:54:09
Local clock offset: 0.675 ms
Remote clock offset: -2.881 ms

Below is generated by plot.py at 2018-08-01 06:03:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.67 Mbit/s
95th percentile per-packet one-way delay: 19.705 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 82.67 Mbit/s
95th percentile per-packet one-way delay: 19.705 ms
Loss rate: 0.09%

Run 5: Report of TCP Vegas — Data Link

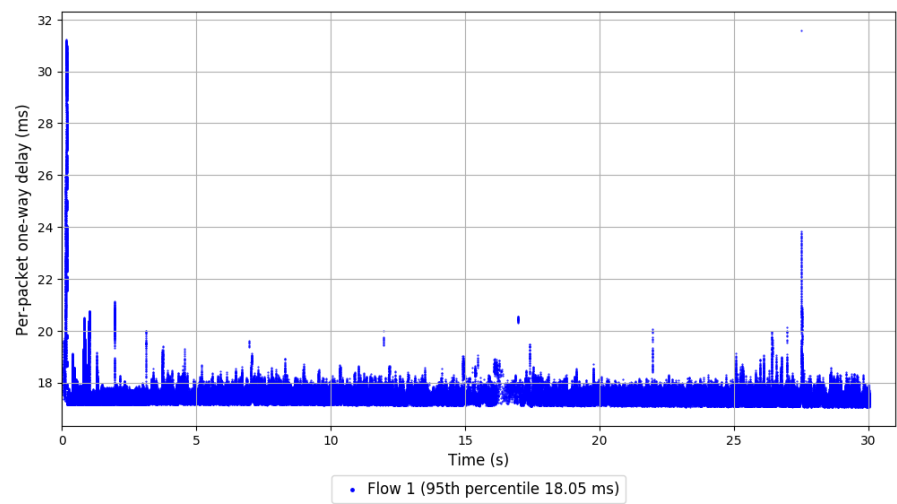
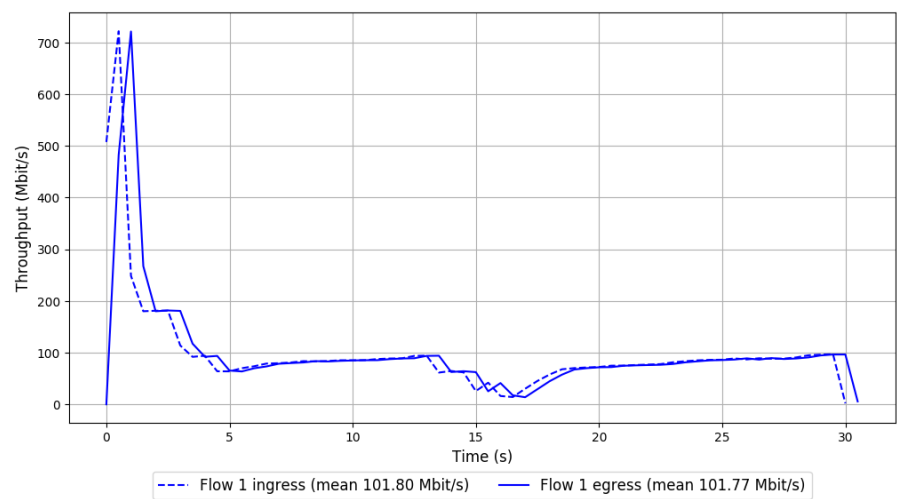


Run 6: Statistics of TCP Vegas

Start at: 2018-08-01 02:19:13
End at: 2018-08-01 02:19:43
Local clock offset: 0.483 ms
Remote clock offset: -2.034 ms

Below is generated by plot.py at 2018-08-01 06:03:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 101.77 Mbit/s
95th percentile per-packet one-way delay: 18.050 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 101.77 Mbit/s
95th percentile per-packet one-way delay: 18.050 ms
Loss rate: 0.03%

Run 6: Report of TCP Vegas — Data Link

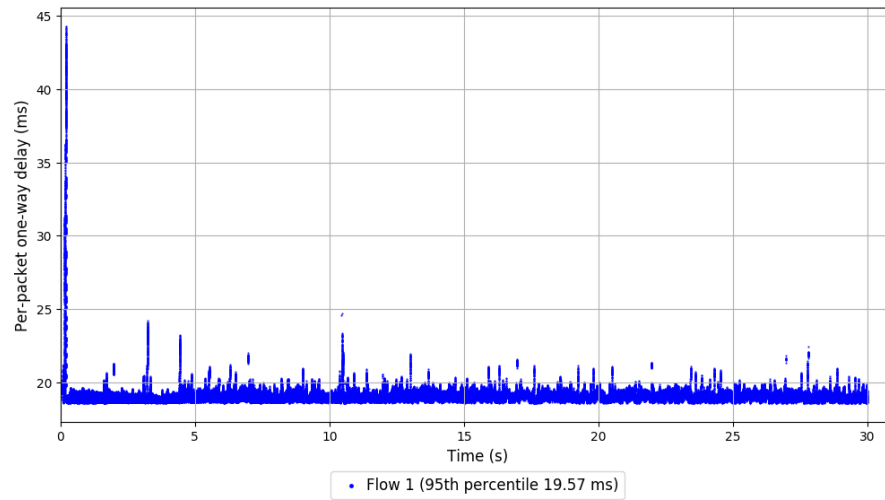
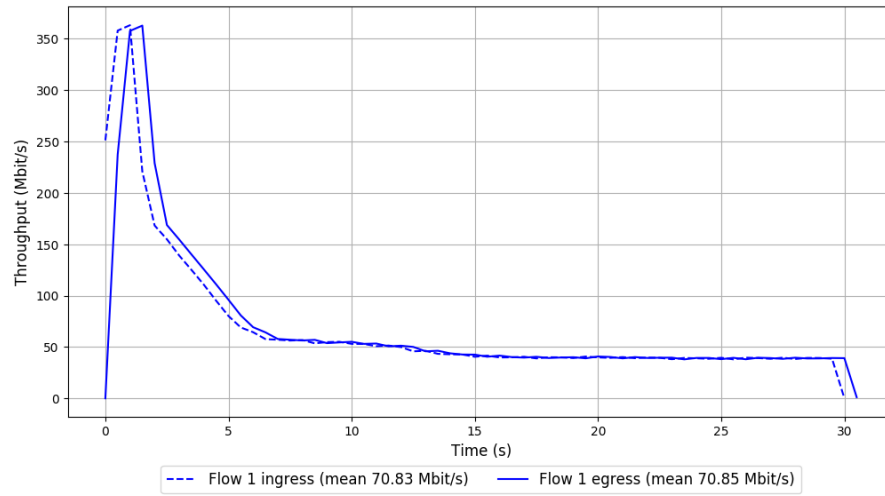


Run 7: Statistics of TCP Vegas

Start at: 2018-08-01 02:44:30
End at: 2018-08-01 02:45:00
Local clock offset: -3.283 ms
Remote clock offset: 0.173 ms

Below is generated by plot.py at 2018-08-01 06:03:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.85 Mbit/s
95th percentile per-packet one-way delay: 19.575 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 70.85 Mbit/s
95th percentile per-packet one-way delay: 19.575 ms
Loss rate: 0.01%

Run 7: Report of TCP Vegas — Data Link

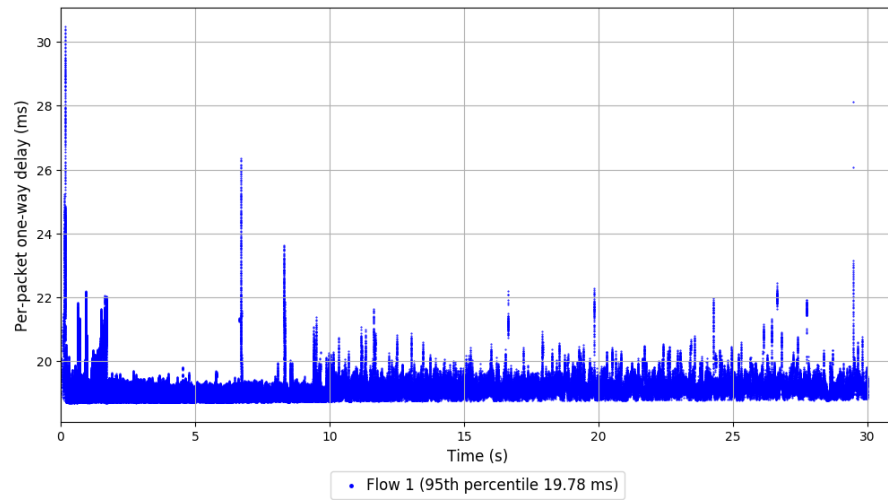
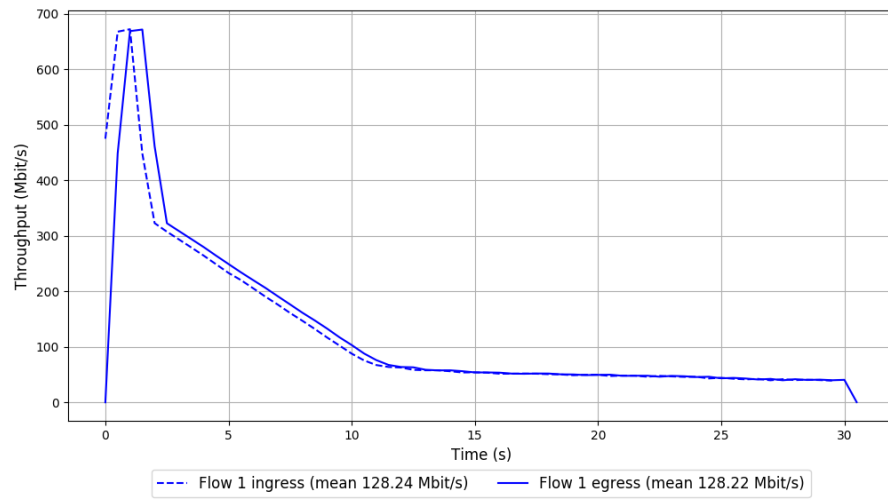


Run 8: Statistics of TCP Vegas

Start at: 2018-08-01 03:09:57
End at: 2018-08-01 03:10:27
Local clock offset: 0.051 ms
Remote clock offset: -4.366 ms

Below is generated by plot.py at 2018-08-01 06:03:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 128.22 Mbit/s
95th percentile per-packet one-way delay: 19.784 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 128.22 Mbit/s
95th percentile per-packet one-way delay: 19.784 ms
Loss rate: 0.01%

Run 8: Report of TCP Vegas — Data Link

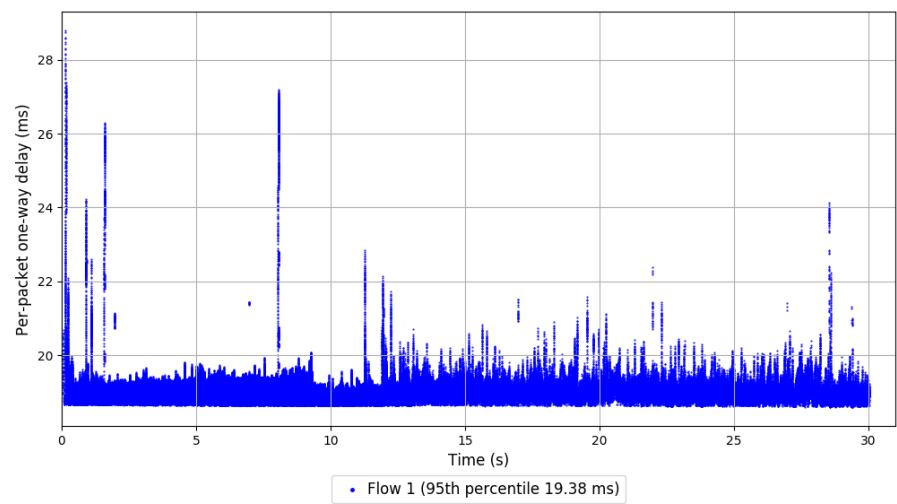
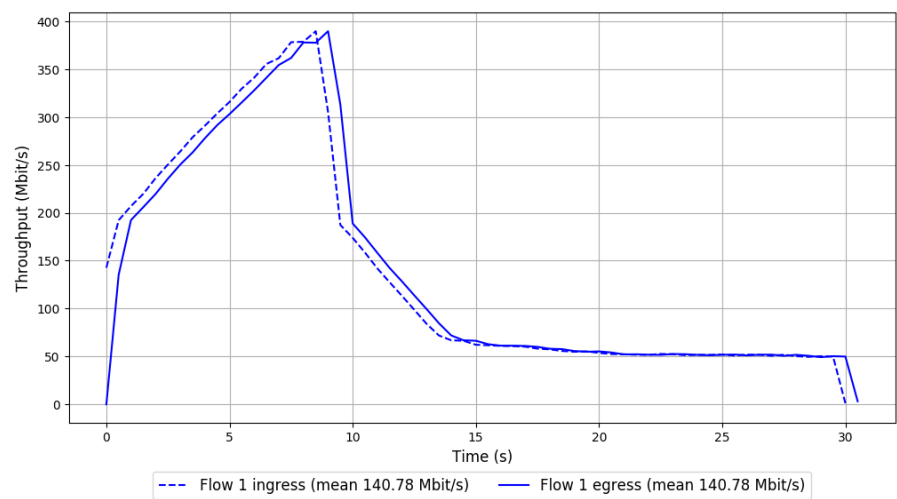


Run 9: Statistics of TCP Vegas

Start at: 2018-08-01 03:35:36
End at: 2018-08-01 03:36:06
Local clock offset: -2.124 ms
Remote clock offset: -3.191 ms

Below is generated by plot.py at 2018-08-01 06:03:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 140.78 Mbit/s
95th percentile per-packet one-way delay: 19.380 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 140.78 Mbit/s
95th percentile per-packet one-way delay: 19.380 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

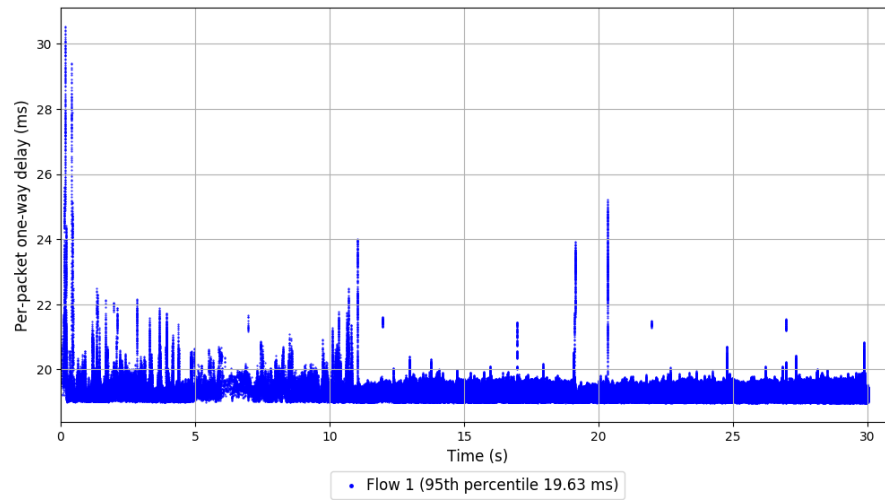
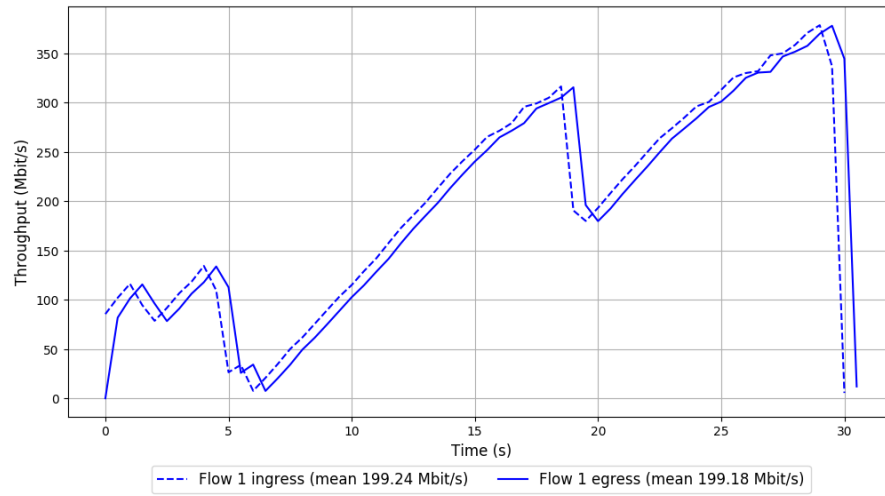


Run 10: Statistics of TCP Vegas

Start at: 2018-08-01 04:01:19
End at: 2018-08-01 04:01:49
Local clock offset: -0.902 ms
Remote clock offset: -1.026 ms

Below is generated by plot.py at 2018-08-01 06:03:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 199.18 Mbit/s
95th percentile per-packet one-way delay: 19.627 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 199.18 Mbit/s
95th percentile per-packet one-way delay: 19.627 ms
Loss rate: 0.03%

Run 10: Report of TCP Vegas — Data Link

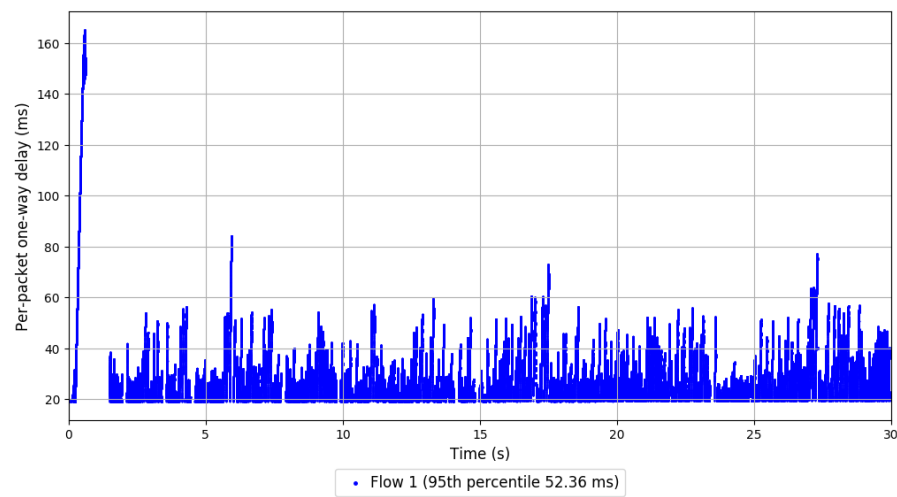
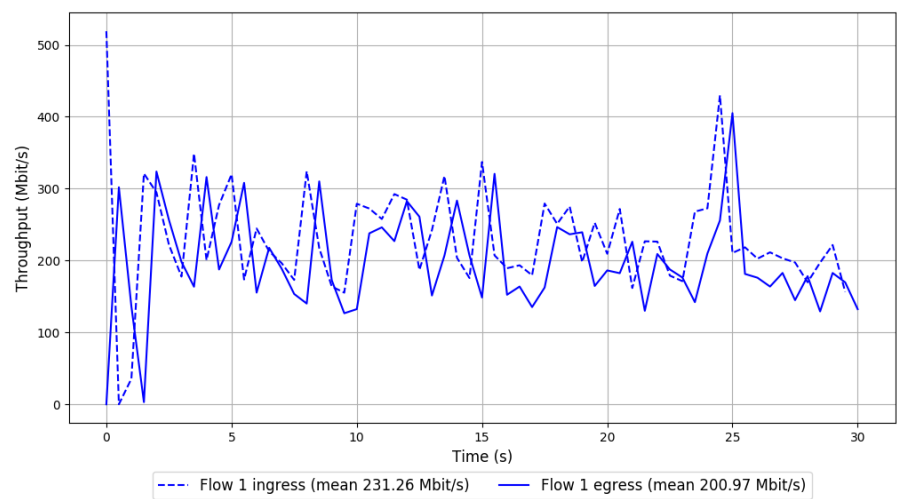


Run 1: Statistics of Verus

Start at: 2018-08-01 00:26:12
End at: 2018-08-01 00:26:42
Local clock offset: -5.218 ms
Remote clock offset: -2.325 ms

Below is generated by plot.py at 2018-08-01 06:03:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 200.97 Mbit/s
95th percentile per-packet one-way delay: 52.358 ms
Loss rate: 13.10%
-- Flow 1:
Average throughput: 200.97 Mbit/s
95th percentile per-packet one-way delay: 52.358 ms
Loss rate: 13.10%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-08-01 00:51:43

End at: 2018-08-01 00:52:13

Local clock offset: 1.698 ms

Remote clock offset: 1.249 ms

Below is generated by plot.py at 2018-08-01 06:04:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 260.02 Mbit/s

95th percentile per-packet one-way delay: 37.596 ms

Loss rate: 16.09%

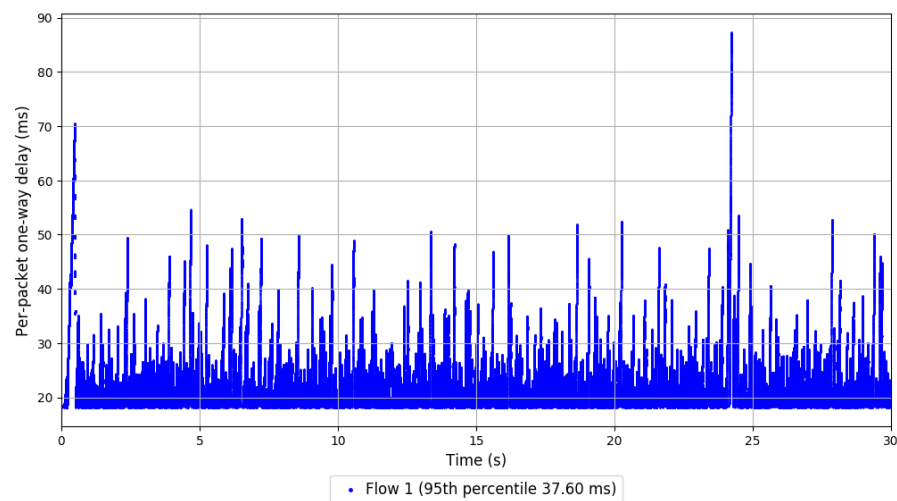
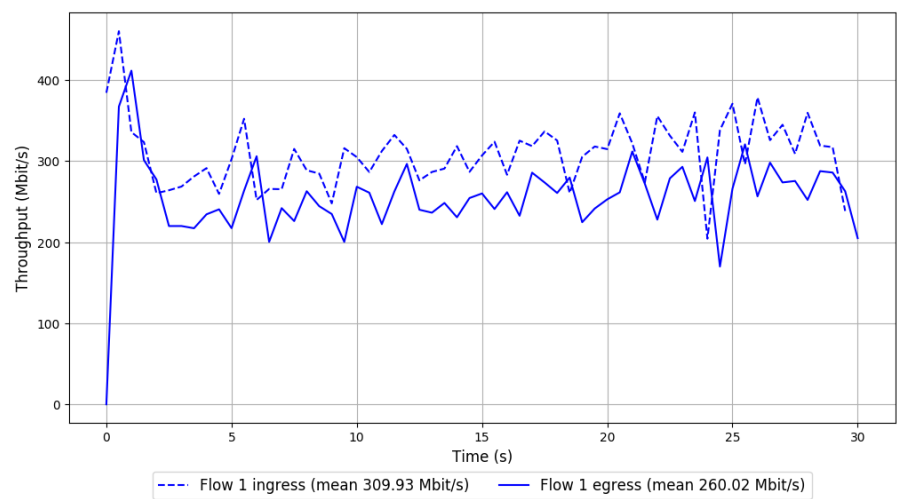
-- Flow 1:

Average throughput: 260.02 Mbit/s

95th percentile per-packet one-way delay: 37.596 ms

Loss rate: 16.09%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-08-01 01:17:28

End at: 2018-08-01 01:17:58

Local clock offset: 1.228 ms

Remote clock offset: 0.727 ms

Below is generated by plot.py at 2018-08-01 06:04:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.73 Mbit/s

95th percentile per-packet one-way delay: 47.811 ms

Loss rate: 21.96%

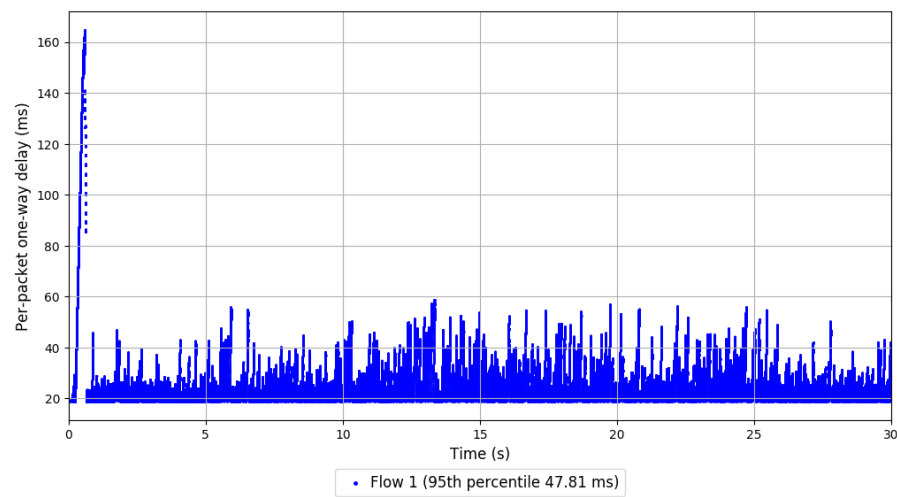
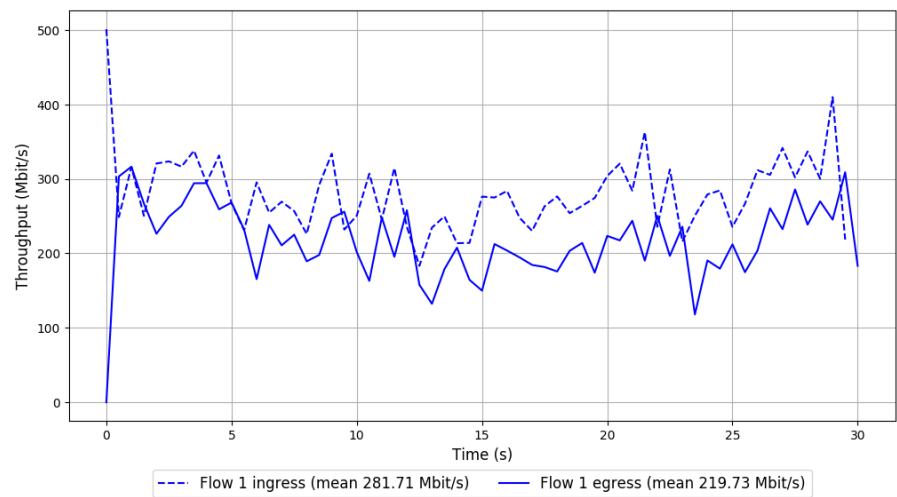
-- Flow 1:

Average throughput: 219.73 Mbit/s

95th percentile per-packet one-way delay: 47.811 ms

Loss rate: 21.96%

Run 3: Report of Verus — Data Link

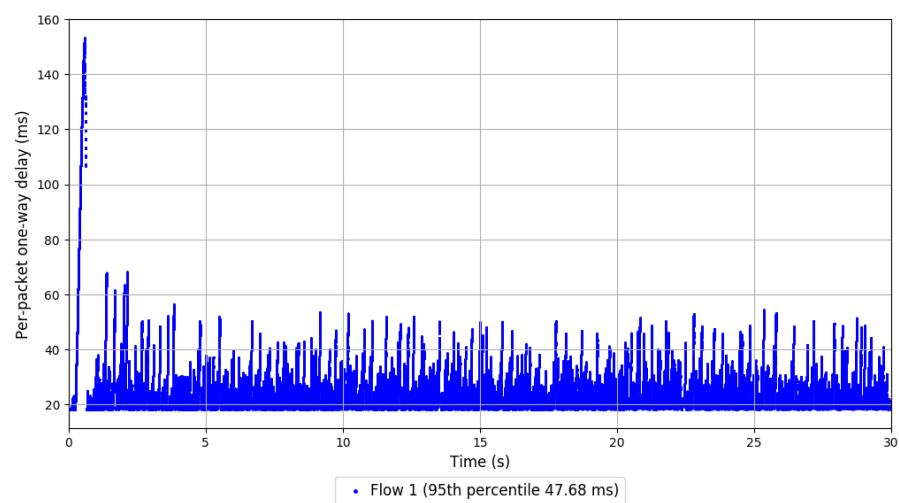
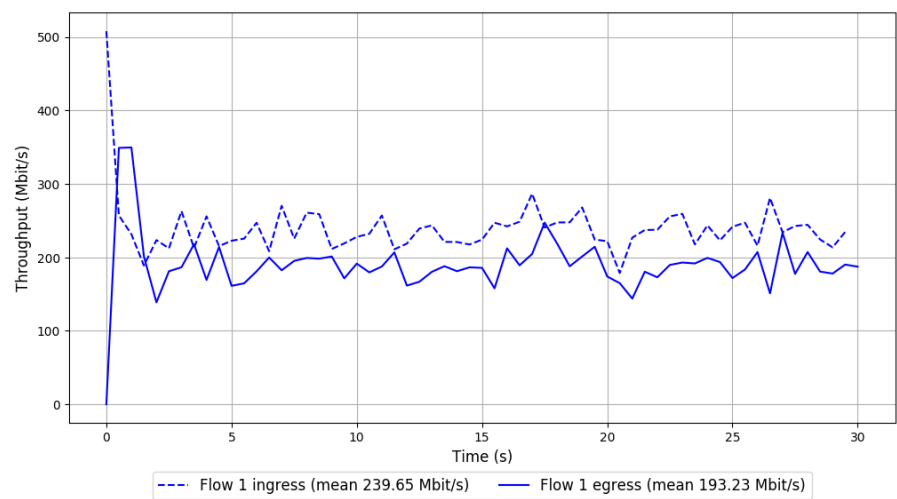


Run 4: Statistics of Verus

Start at: 2018-08-01 01:43:02
End at: 2018-08-01 01:43:32
Local clock offset: 0.628 ms
Remote clock offset: -0.762 ms

Below is generated by plot.py at 2018-08-01 06:04:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 193.23 Mbit/s
95th percentile per-packet one-way delay: 47.683 ms
Loss rate: 19.37%
-- Flow 1:
Average throughput: 193.23 Mbit/s
95th percentile per-packet one-way delay: 47.683 ms
Loss rate: 19.37%

Run 4: Report of Verus — Data Link

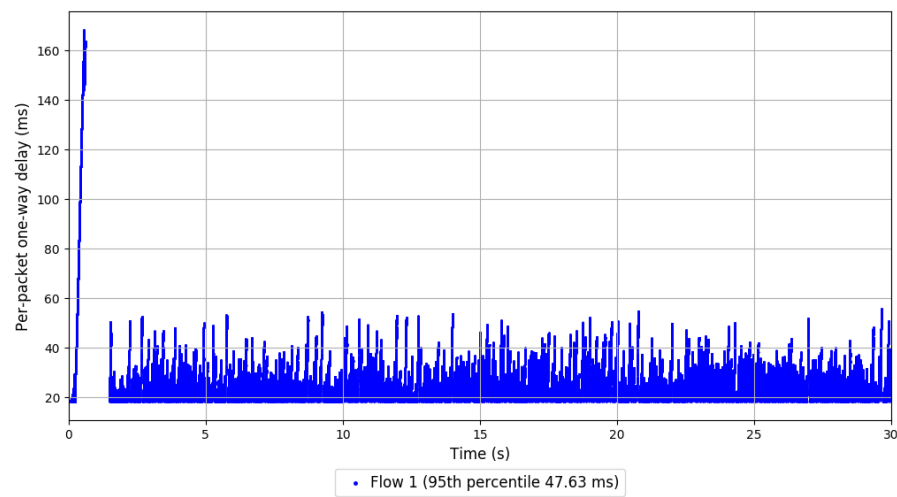
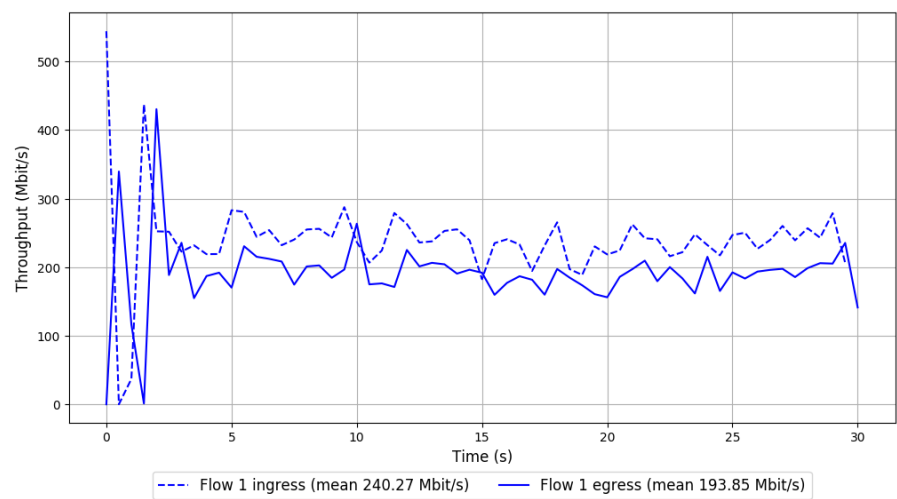


Run 5: Statistics of Verus

Start at: 2018-08-01 02:08:36
End at: 2018-08-01 02:09:06
Local clock offset: 0.374 ms
Remote clock offset: -4.195 ms

Below is generated by plot.py at 2018-08-01 06:04:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 193.85 Mbit/s
95th percentile per-packet one-way delay: 47.630 ms
Loss rate: 19.31%
-- Flow 1:
Average throughput: 193.85 Mbit/s
95th percentile per-packet one-way delay: 47.630 ms
Loss rate: 19.31%

Run 5: Report of Verus — Data Link

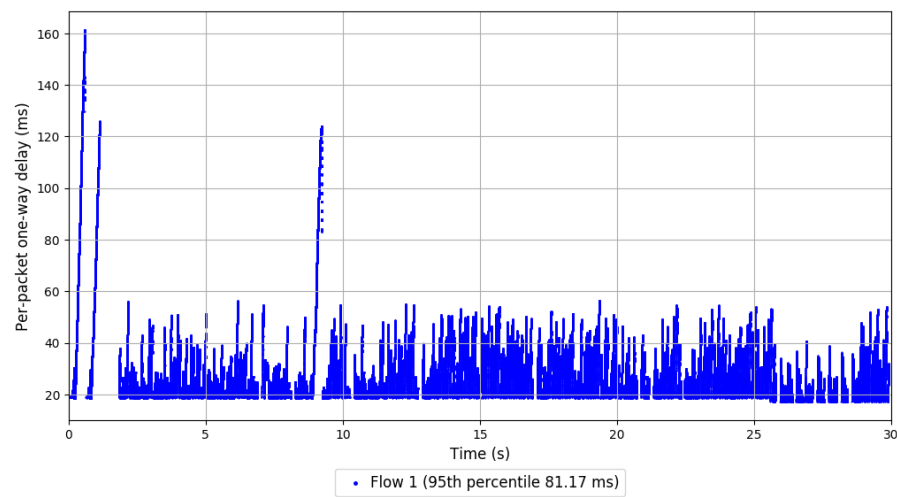
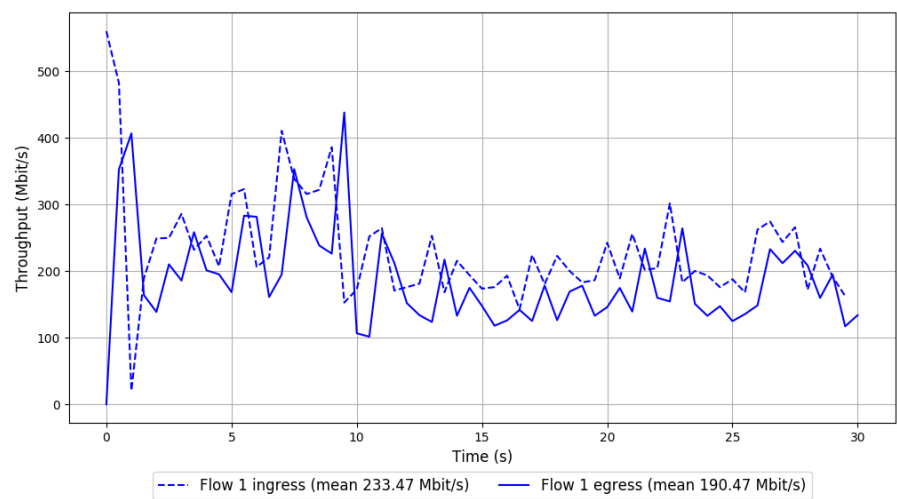


Run 6: Statistics of Verus

Start at: 2018-08-01 02:33:58
End at: 2018-08-01 02:34:28
Local clock offset: -2.345 ms
Remote clock offset: -0.222 ms

Below is generated by plot.py at 2018-08-01 06:04:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 190.47 Mbit/s
95th percentile per-packet one-way delay: 81.168 ms
Loss rate: 18.38%
-- Flow 1:
Average throughput: 190.47 Mbit/s
95th percentile per-packet one-way delay: 81.168 ms
Loss rate: 18.38%

Run 6: Report of Verus — Data Link

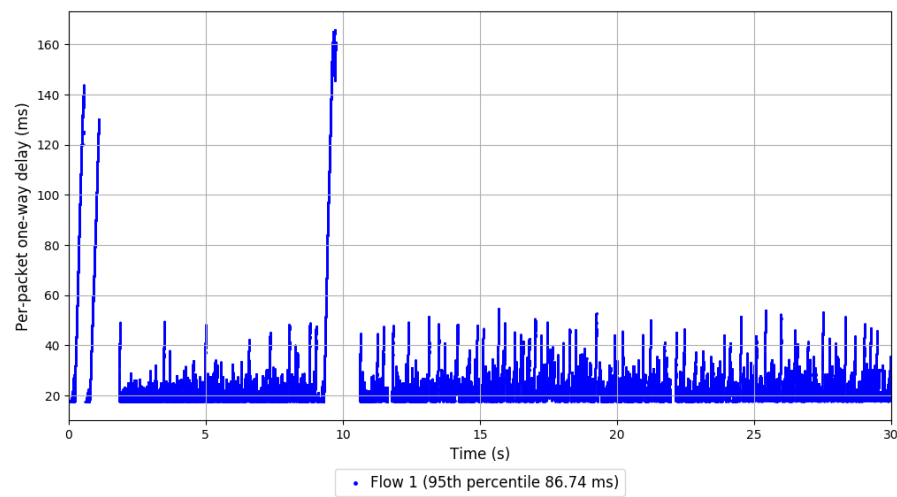
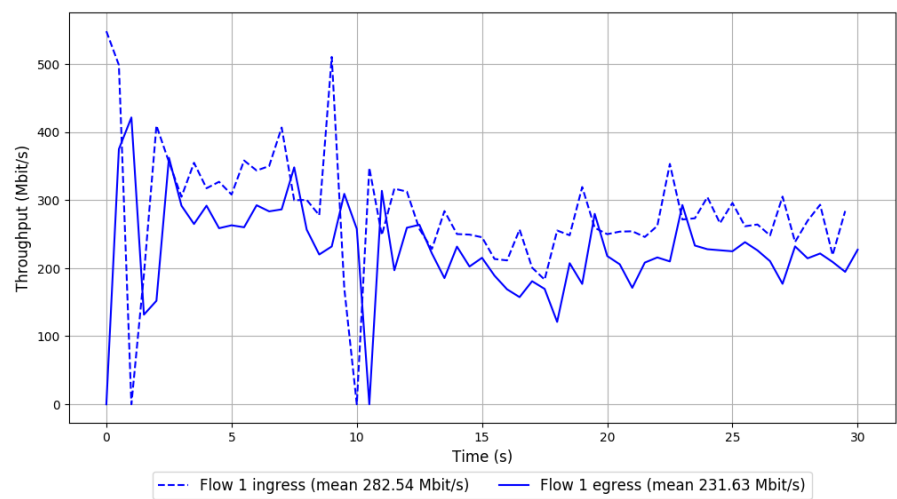


Run 7: Statistics of Verus

Start at: 2018-08-01 02:59:24
End at: 2018-08-01 02:59:54
Local clock offset: -1.594 ms
Remote clock offset: -3.313 ms

Below is generated by plot.py at 2018-08-01 06:06:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 231.63 Mbit/s
95th percentile per-packet one-way delay: 86.743 ms
Loss rate: 18.01%
-- Flow 1:
Average throughput: 231.63 Mbit/s
95th percentile per-packet one-way delay: 86.743 ms
Loss rate: 18.01%

Run 7: Report of Verus — Data Link

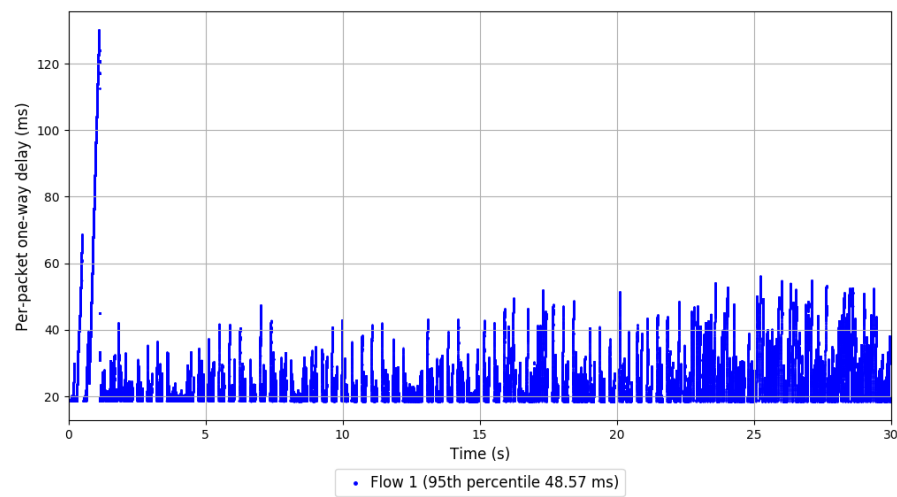
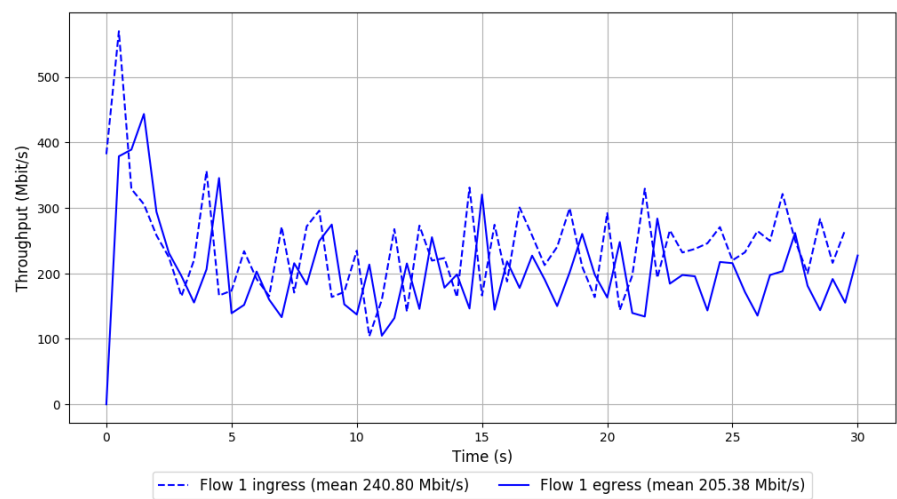


Run 8: Statistics of Verus

Start at: 2018-08-01 03:24:59
End at: 2018-08-01 03:25:29
Local clock offset: 0.165 ms
Remote clock offset: -4.218 ms

Below is generated by plot.py at 2018-08-01 06:06:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.38 Mbit/s
95th percentile per-packet one-way delay: 48.567 ms
Loss rate: 14.71%
-- Flow 1:
Average throughput: 205.38 Mbit/s
95th percentile per-packet one-way delay: 48.567 ms
Loss rate: 14.71%

Run 8: Report of Verus — Data Link

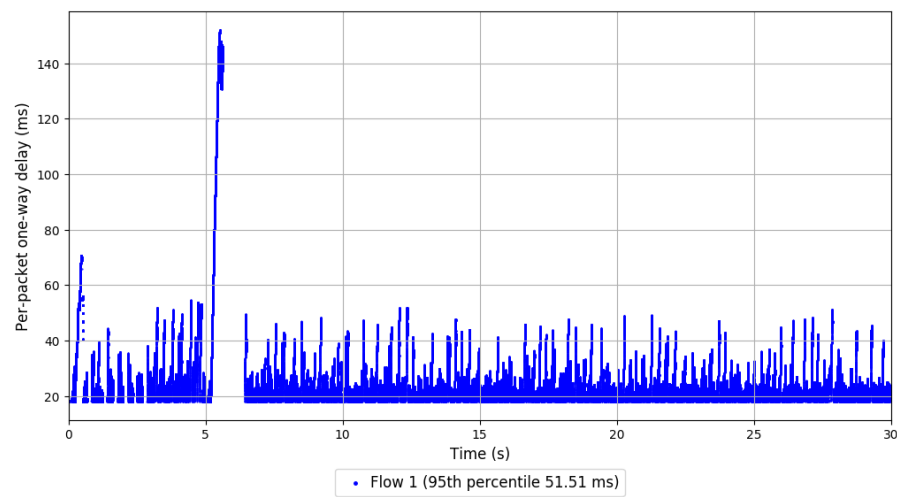
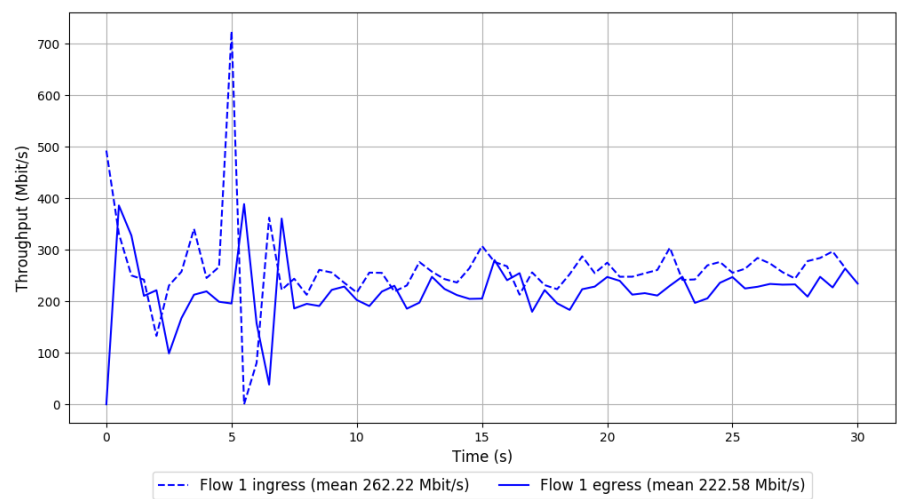


Run 9: Statistics of Verus

Start at: 2018-08-01 03:50:39
End at: 2018-08-01 03:51:09
Local clock offset: -3.042 ms
Remote clock offset: -2.922 ms

Below is generated by plot.py at 2018-08-01 06:06:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 222.58 Mbit/s
95th percentile per-packet one-way delay: 51.514 ms
Loss rate: 15.11%
-- Flow 1:
Average throughput: 222.58 Mbit/s
95th percentile per-packet one-way delay: 51.514 ms
Loss rate: 15.11%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-08-01 04:16:15

End at: 2018-08-01 04:16:45

Local clock offset: 0.616 ms

Remote clock offset: 1.043 ms

Below is generated by plot.py at 2018-08-01 06:06:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 161.90 Mbit/s

95th percentile per-packet one-way delay: 60.653 ms

Loss rate: 29.41%

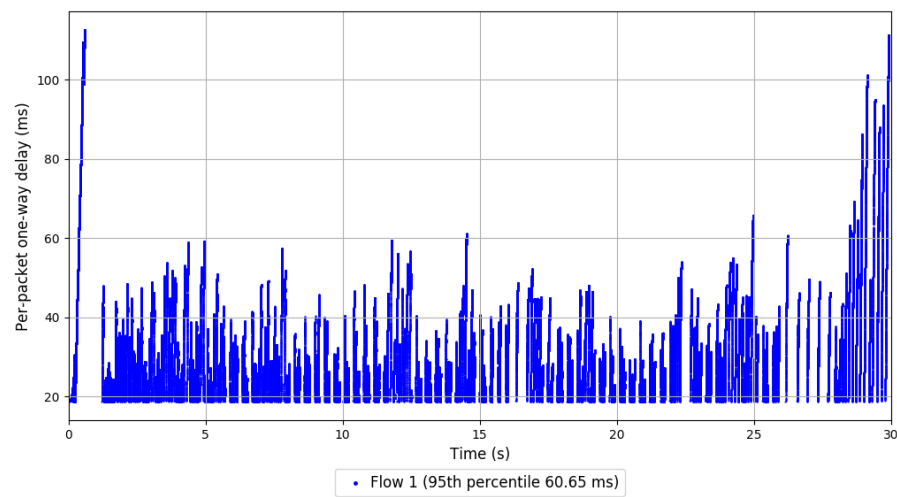
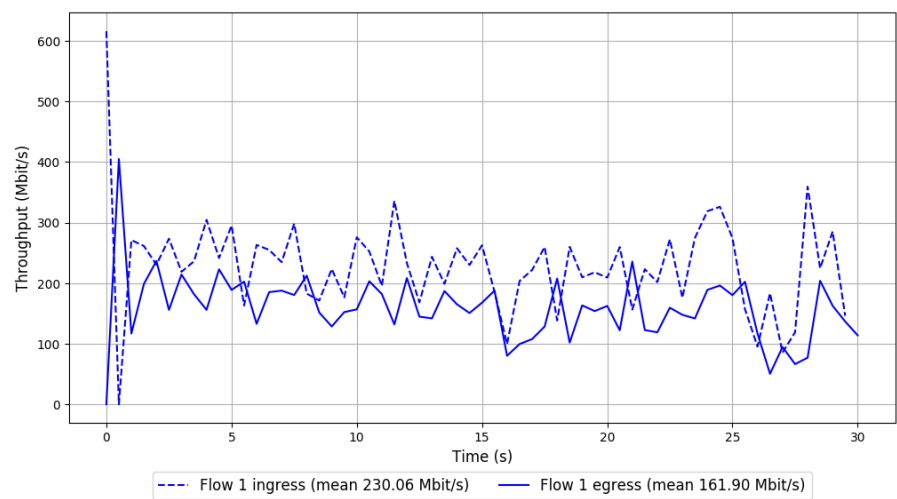
-- Flow 1:

Average throughput: 161.90 Mbit/s

95th percentile per-packet one-way delay: 60.653 ms

Loss rate: 29.41%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-08-01 00:06:44

End at: 2018-08-01 00:07:14

Local clock offset: -6.596 ms

Remote clock offset: -3.353 ms

Below is generated by plot.py at 2018-08-01 06:10:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 460.26 Mbit/s

95th percentile per-packet one-way delay: 46.097 ms

Loss rate: 0.01%

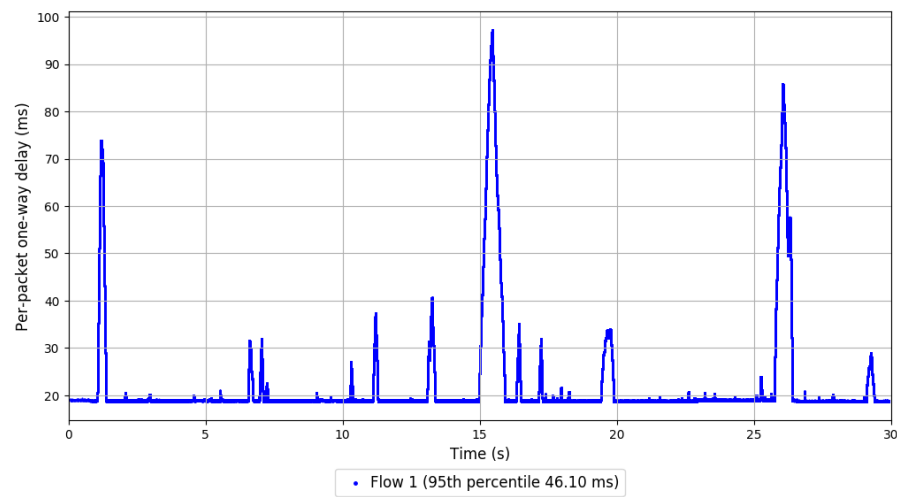
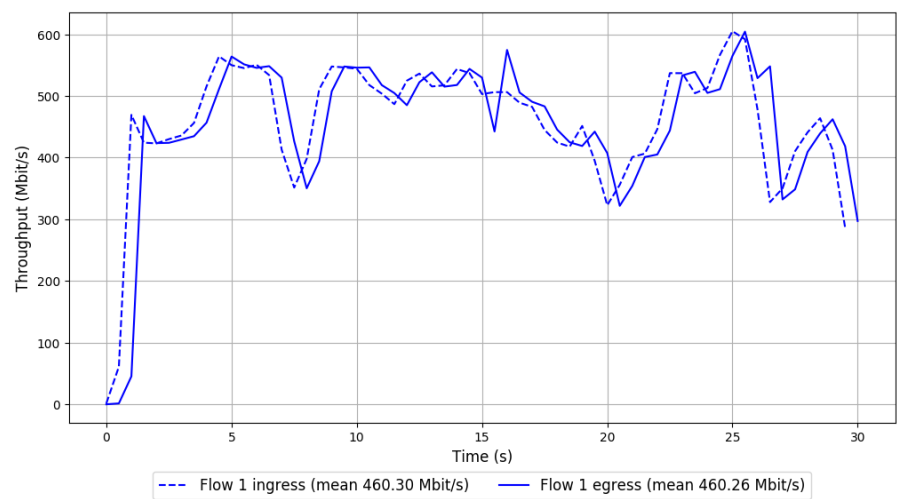
-- Flow 1:

Average throughput: 460.26 Mbit/s

95th percentile per-packet one-way delay: 46.097 ms

Loss rate: 0.01%

Run 1: Report of PCC-Vivace — Data Link

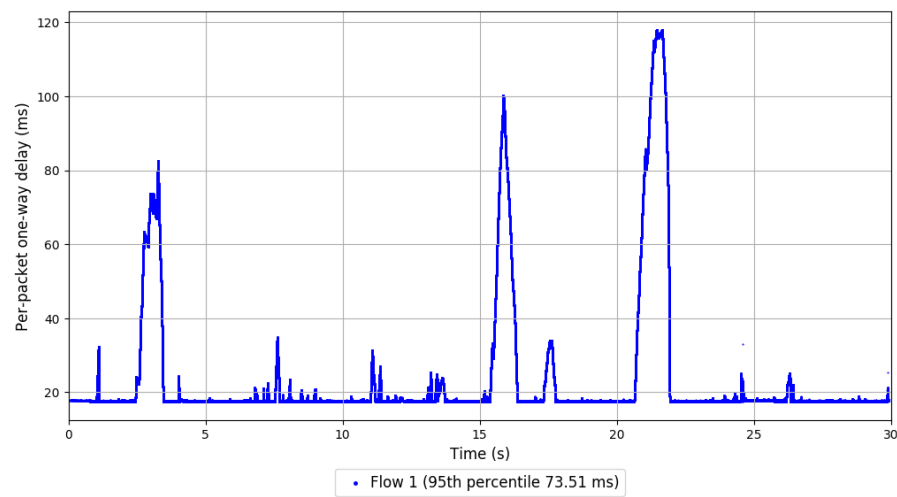
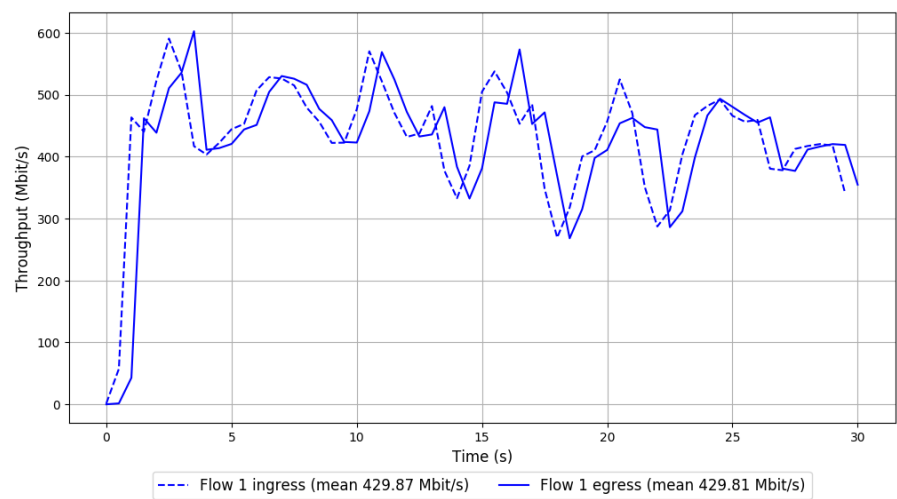


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-01 00:32:14
End at: 2018-08-01 00:32:44
Local clock offset: -2.035 ms
Remote clock offset: -1.459 ms

Below is generated by plot.py at 2018-08-01 06:10:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 429.81 Mbit/s
95th percentile per-packet one-way delay: 73.514 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 429.81 Mbit/s
95th percentile per-packet one-way delay: 73.514 ms
Loss rate: 0.01%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-08-01 00:57:48

End at: 2018-08-01 00:58:18

Local clock offset: 1.368 ms

Remote clock offset: 1.656 ms

Below is generated by plot.py at 2018-08-01 06:10:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 416.73 Mbit/s

95th percentile per-packet one-way delay: 42.249 ms

Loss rate: 0.03%

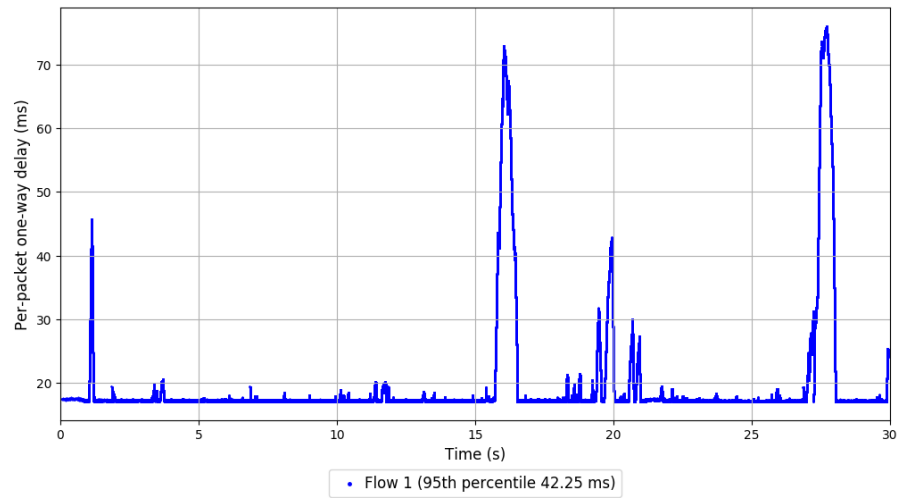
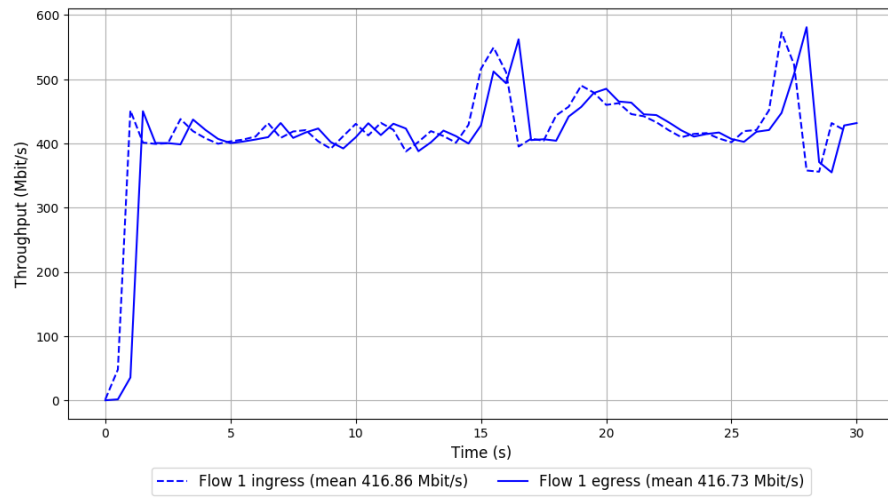
-- Flow 1:

Average throughput: 416.73 Mbit/s

95th percentile per-packet one-way delay: 42.249 ms

Loss rate: 0.03%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-08-01 01:23:33

End at: 2018-08-01 01:24:03

Local clock offset: 1.324 ms

Remote clock offset: 0.778 ms

Below is generated by plot.py at 2018-08-01 06:10:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 411.31 Mbit/s

95th percentile per-packet one-way delay: 20.388 ms

Loss rate: 0.00%

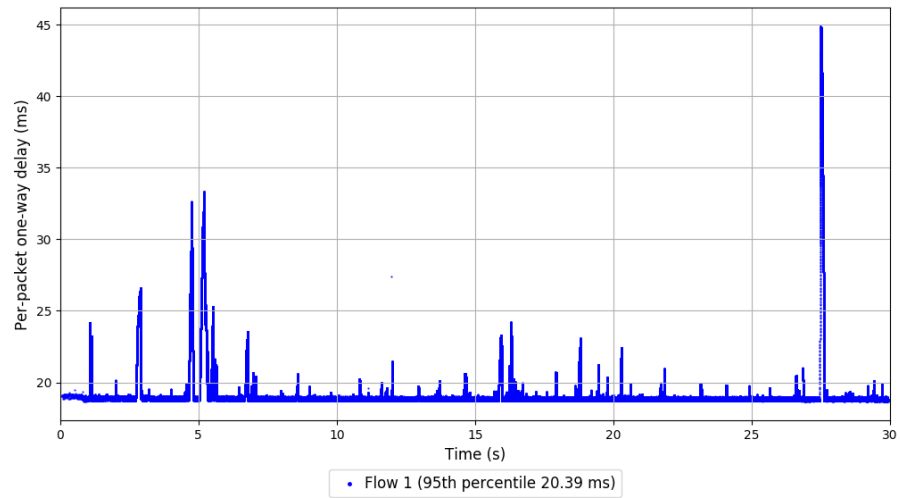
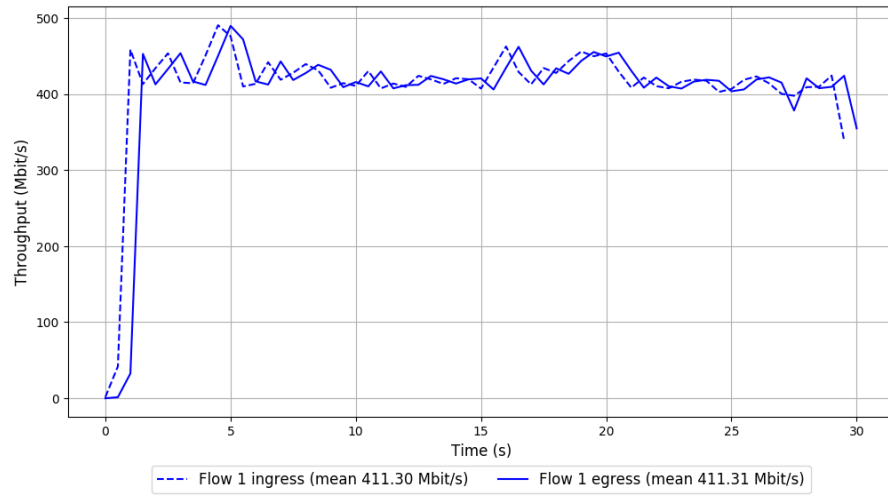
-- Flow 1:

Average throughput: 411.31 Mbit/s

95th percentile per-packet one-way delay: 20.388 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

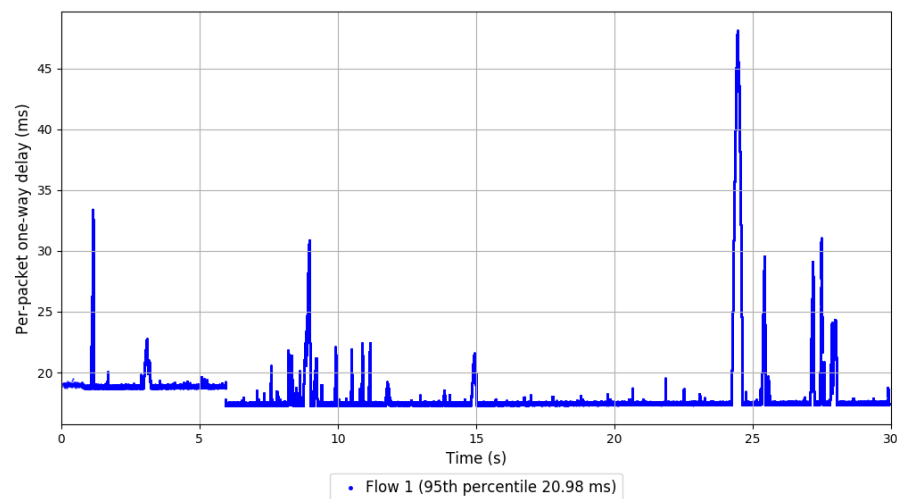
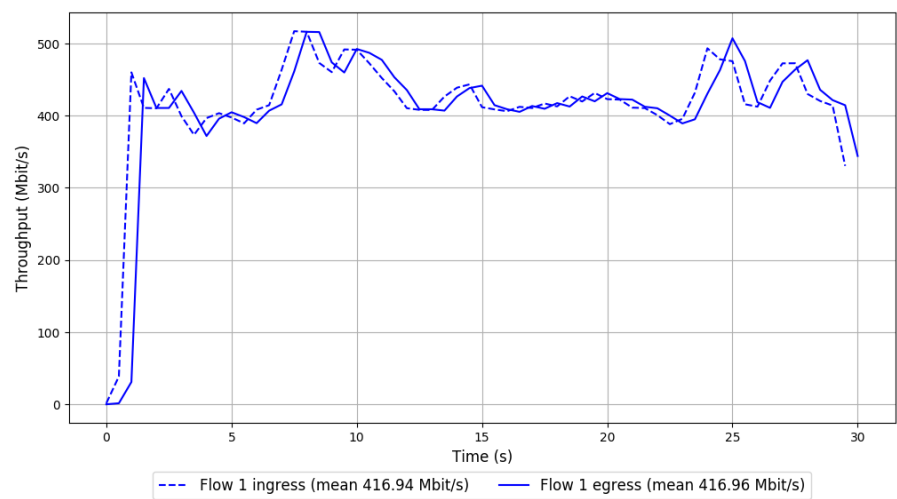


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-01 01:49:06
End at: 2018-08-01 01:49:36
Local clock offset: 0.668 ms
Remote clock offset: -2.251 ms

Below is generated by plot.py at 2018-08-01 06:10:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 416.96 Mbit/s
95th percentile per-packet one-way delay: 20.984 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 416.96 Mbit/s
95th percentile per-packet one-way delay: 20.984 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

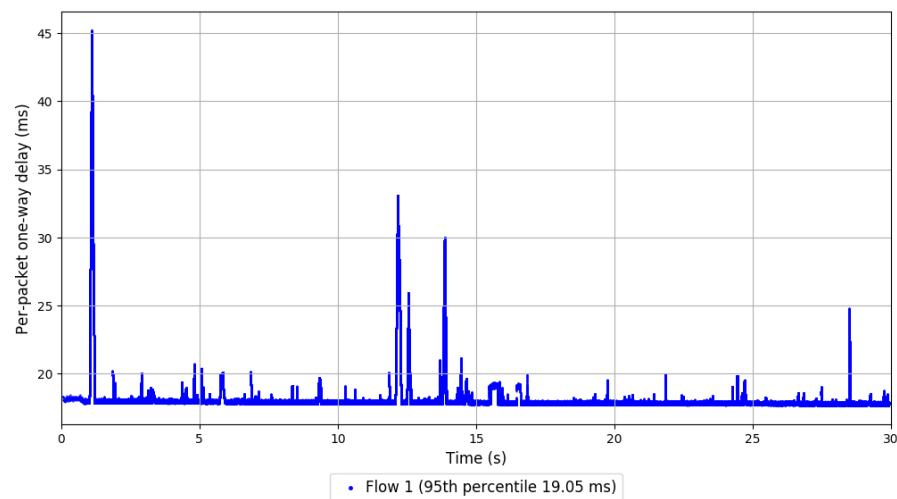
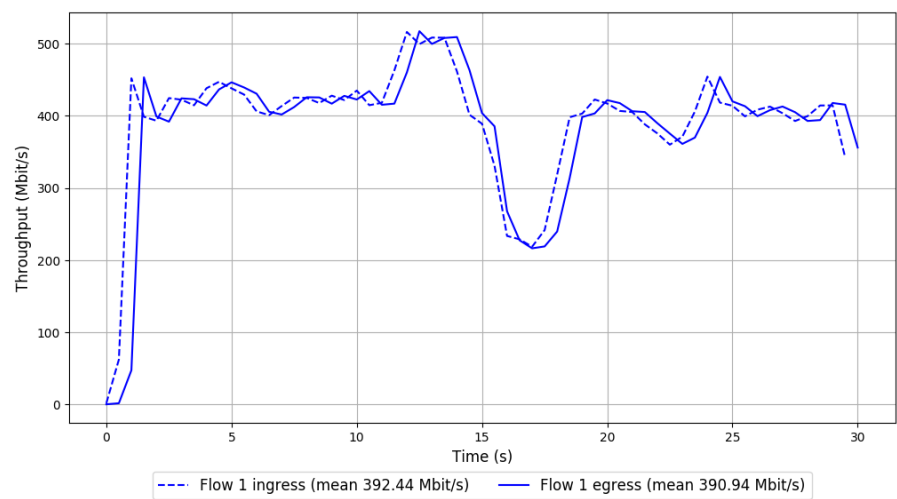


Run 6: Statistics of PCC-Vivace

Start at: 2018-08-01 02:14:40
End at: 2018-08-01 02:15:10
Local clock offset: 0.479 ms
Remote clock offset: -3.551 ms

Below is generated by plot.py at 2018-08-01 06:10:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 390.94 Mbit/s
95th percentile per-packet one-way delay: 19.054 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 390.94 Mbit/s
95th percentile per-packet one-way delay: 19.054 ms
Loss rate: 0.39%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-08-01 02:39:59

End at: 2018-08-01 02:40:29

Local clock offset: -2.915 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-08-01 06:11:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 408.73 Mbit/s

95th percentile per-packet one-way delay: 21.829 ms

Loss rate: 0.08%

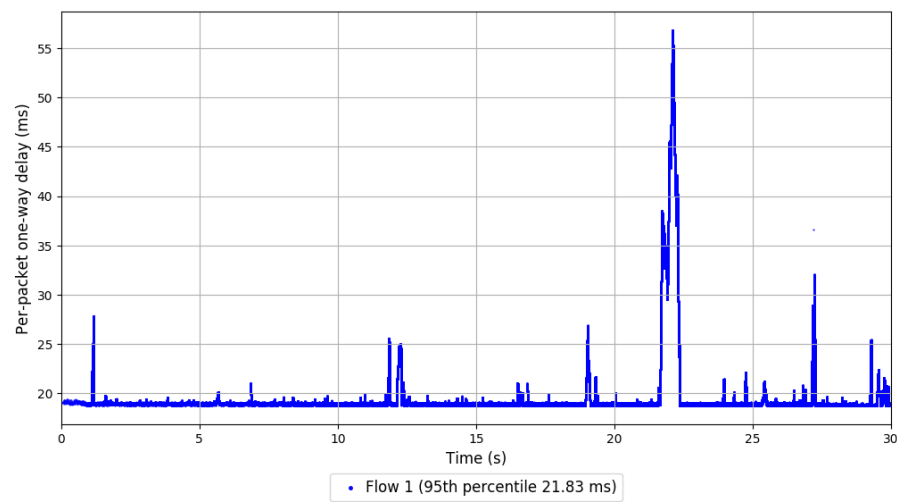
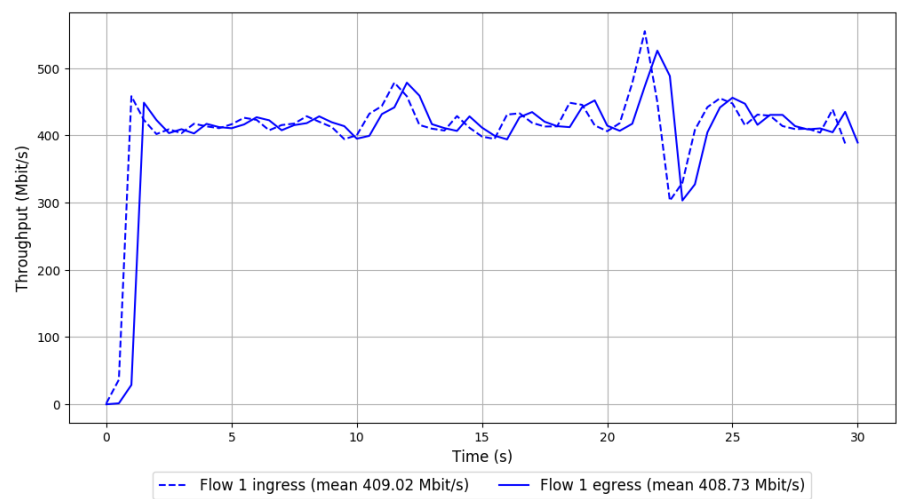
-- Flow 1:

Average throughput: 408.73 Mbit/s

95th percentile per-packet one-way delay: 21.829 ms

Loss rate: 0.08%

Run 7: Report of PCC-Vivace — Data Link

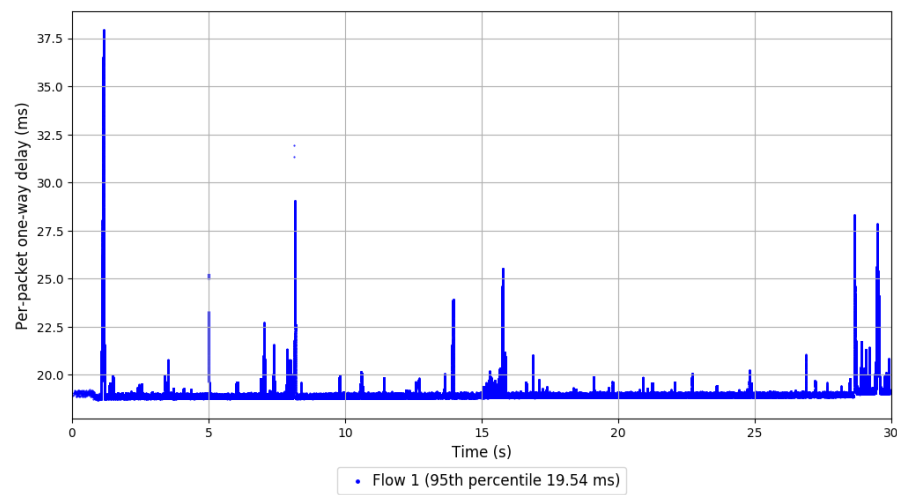
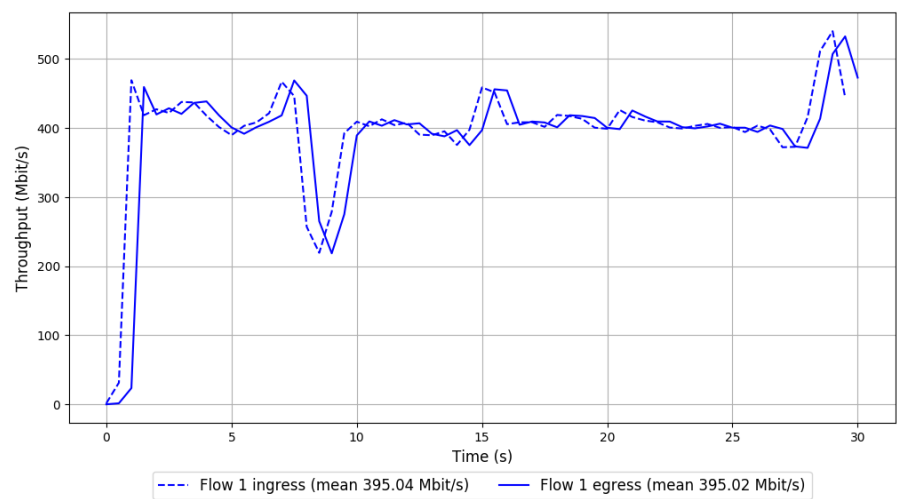


Run 8: Statistics of PCC-Vivace

Start at: 2018-08-01 03:05:26
End at: 2018-08-01 03:05:56
Local clock offset: -0.444 ms
Remote clock offset: -3.983 ms

Below is generated by plot.py at 2018-08-01 06:11:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 395.02 Mbit/s
95th percentile per-packet one-way delay: 19.535 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 395.02 Mbit/s
95th percentile per-packet one-way delay: 19.535 ms
Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link

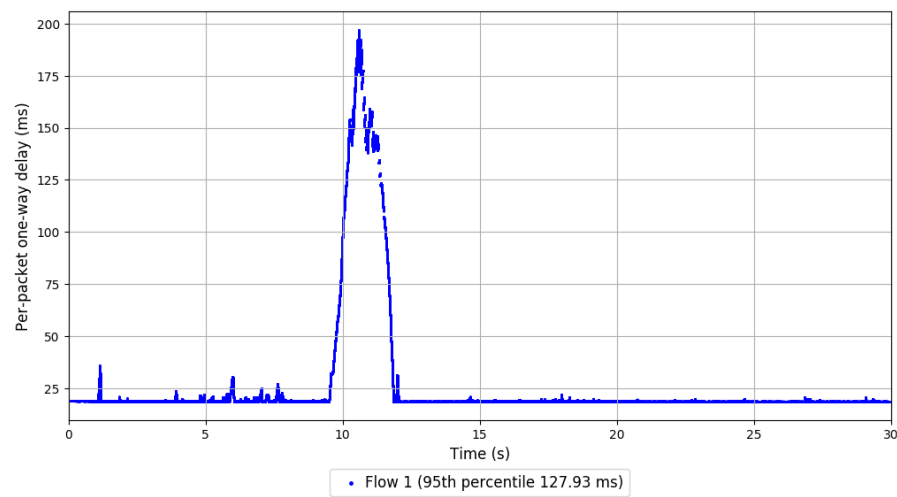
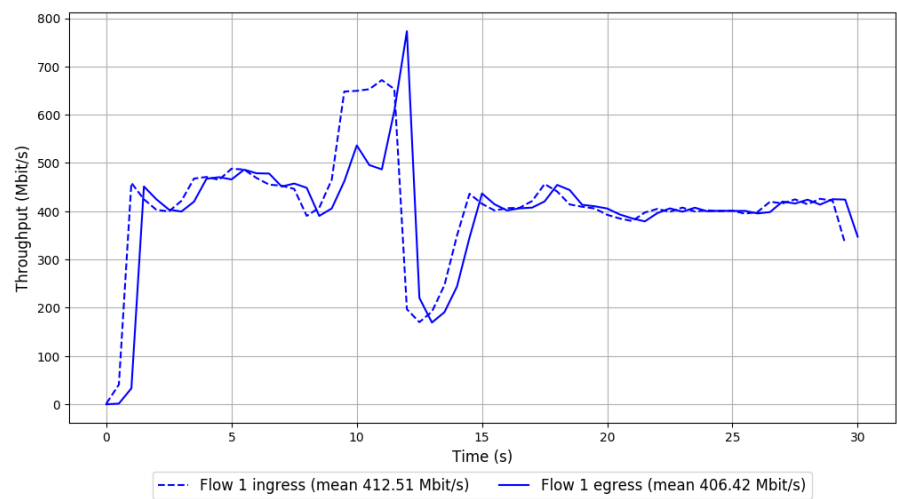


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-01 03:31:05
End at: 2018-08-01 03:31:35
Local clock offset: -1.452 ms
Remote clock offset: -3.458 ms

Below is generated by plot.py at 2018-08-01 06:11:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 406.42 Mbit/s
95th percentile per-packet one-way delay: 127.934 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 406.42 Mbit/s
95th percentile per-packet one-way delay: 127.934 ms
Loss rate: 1.48%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-08-01 03:56:44

End at: 2018-08-01 03:57:14

Local clock offset: -1.92 ms

Remote clock offset: -2.334 ms

Below is generated by plot.py at 2018-08-01 06:11:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 425.62 Mbit/s

95th percentile per-packet one-way delay: 23.759 ms

Loss rate: 0.46%

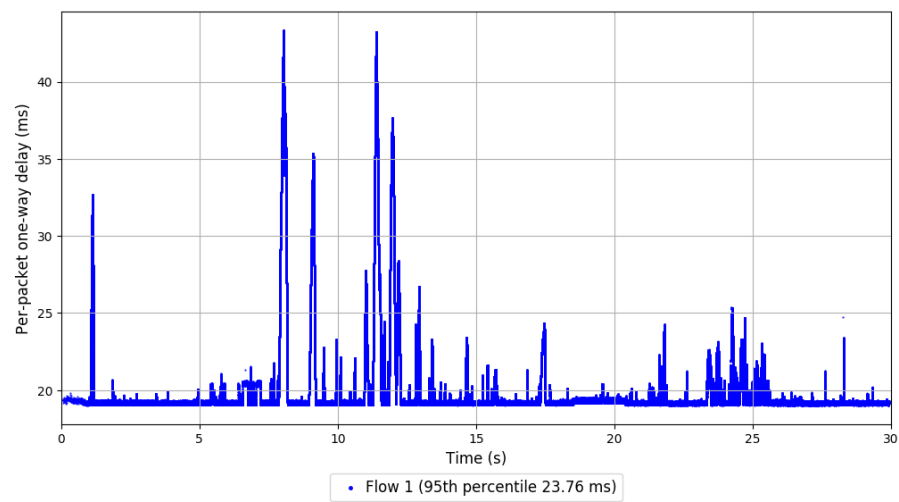
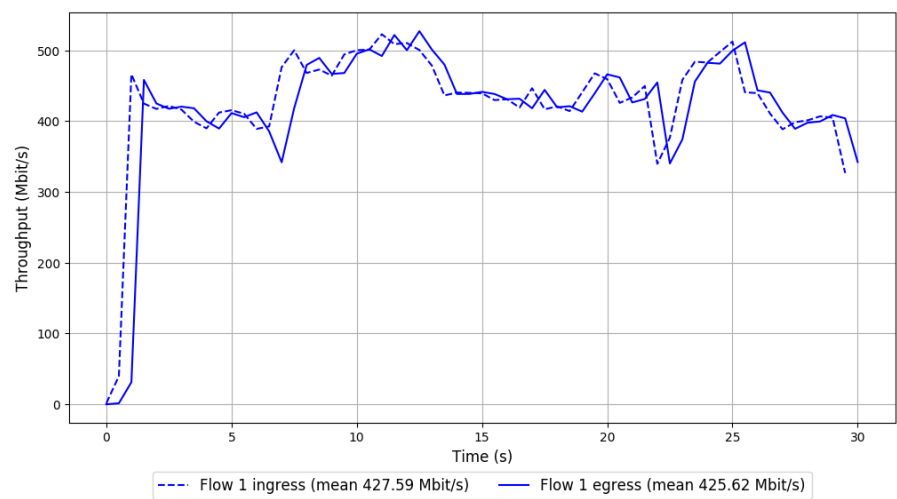
-- Flow 1:

Average throughput: 425.62 Mbit/s

95th percentile per-packet one-way delay: 23.759 ms

Loss rate: 0.46%

Run 10: Report of PCC-Vivace — Data Link

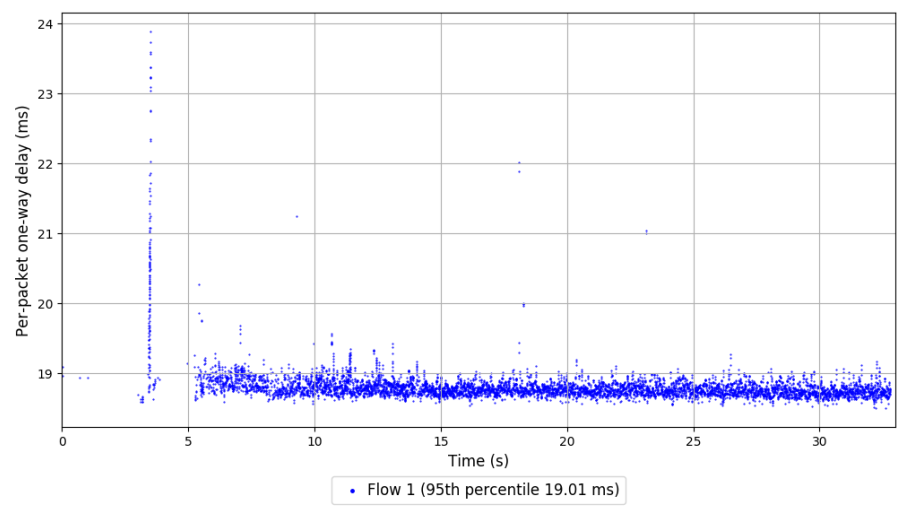
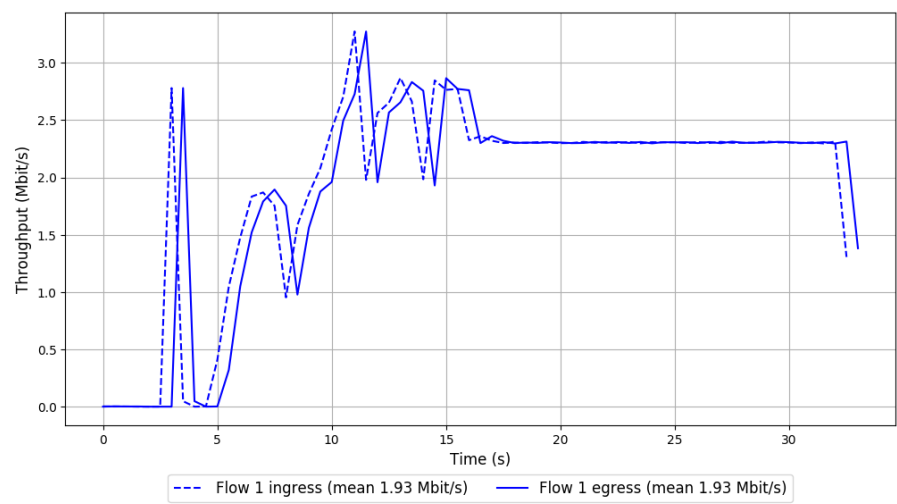


Run 1: Statistics of WebRTC media

Start at: 2018-08-01 00:08:22
End at: 2018-08-01 00:08:52
Local clock offset: -6.822 ms
Remote clock offset: -3.176 ms

Below is generated by plot.py at 2018-08-01 06:11:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 19.013 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 19.013 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

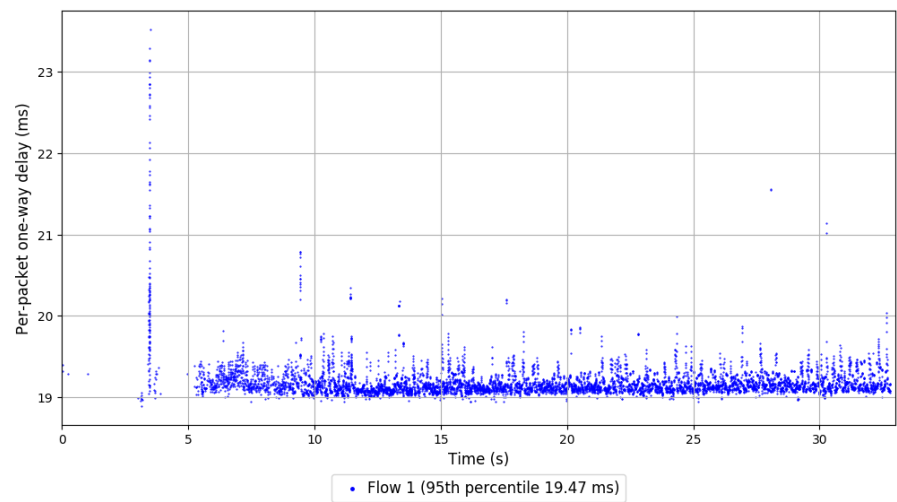
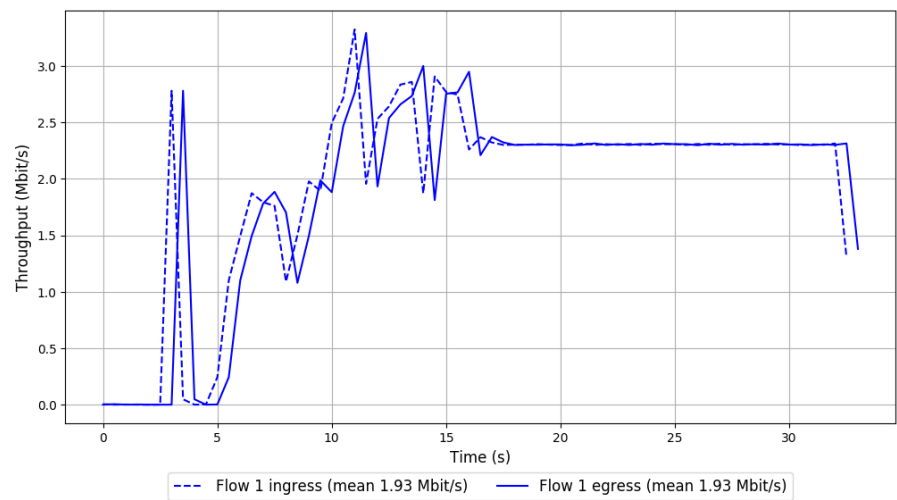


Run 2: Statistics of WebRTC media

Start at: 2018-08-01 00:33:51
End at: 2018-08-01 00:34:21
Local clock offset: -1.404 ms
Remote clock offset: -1.172 ms

Below is generated by plot.py at 2018-08-01 06:11:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 19.474 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 19.474 ms
Loss rate: 0.02%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-08-01 00:59:24

End at: 2018-08-01 00:59:54

Local clock offset: 1.274 ms

Remote clock offset: 1.77 ms

Below is generated by plot.py at 2018-08-01 06:11:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 19.021 ms

Loss rate: 0.00%

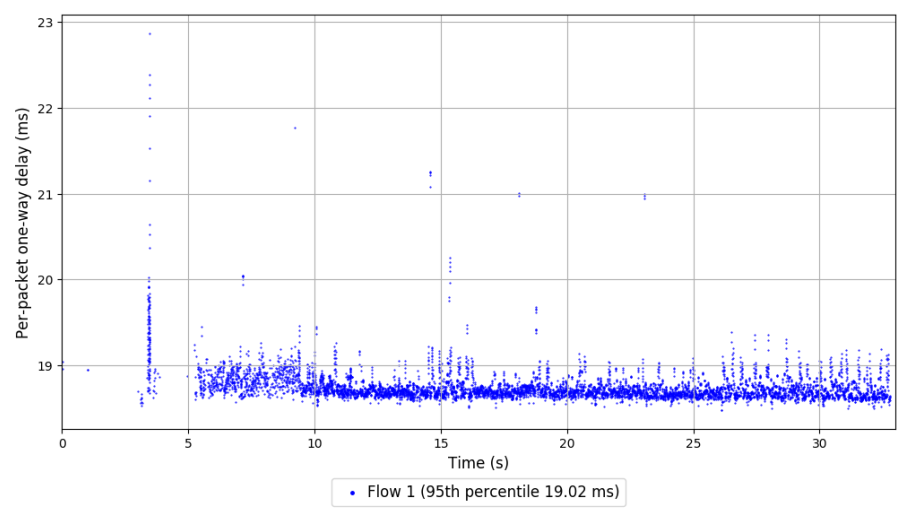
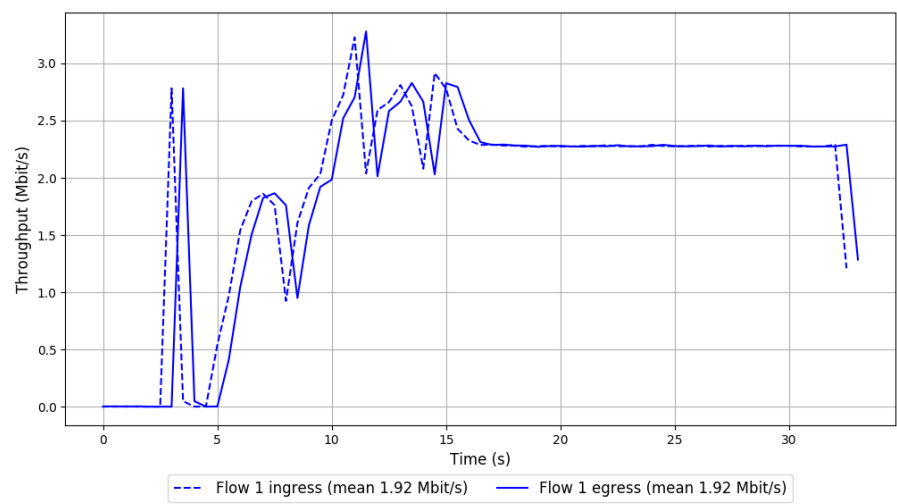
-- Flow 1:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 19.021 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-08-01 01:25:09

End at: 2018-08-01 01:25:39

Local clock offset: 1.233 ms

Remote clock offset: 0.778 ms

Below is generated by plot.py at 2018-08-01 06:11:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 19.075 ms

Loss rate: 0.00%

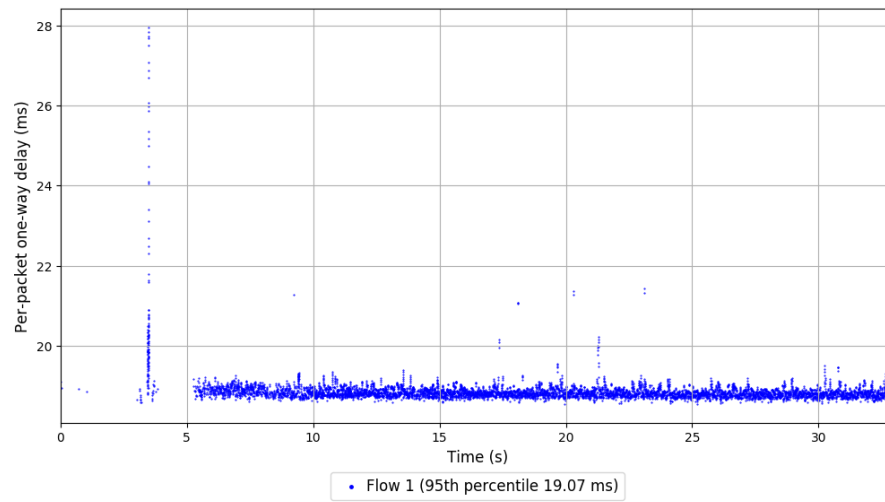
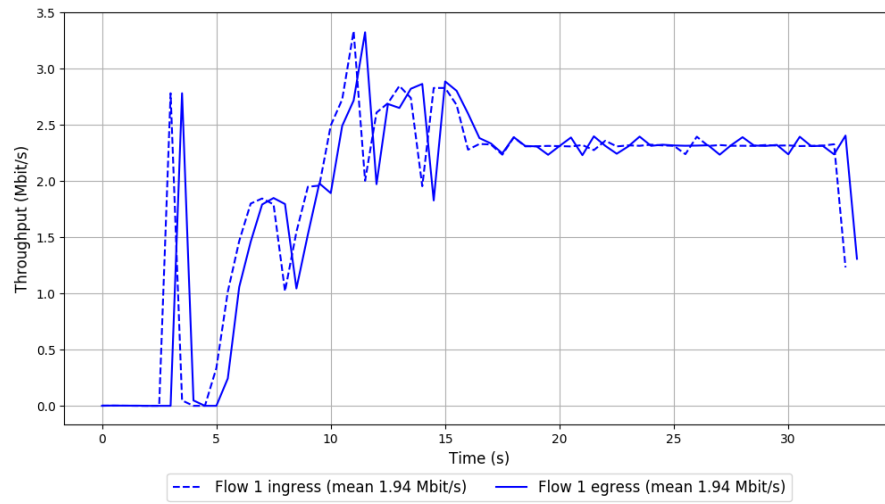
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 19.075 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

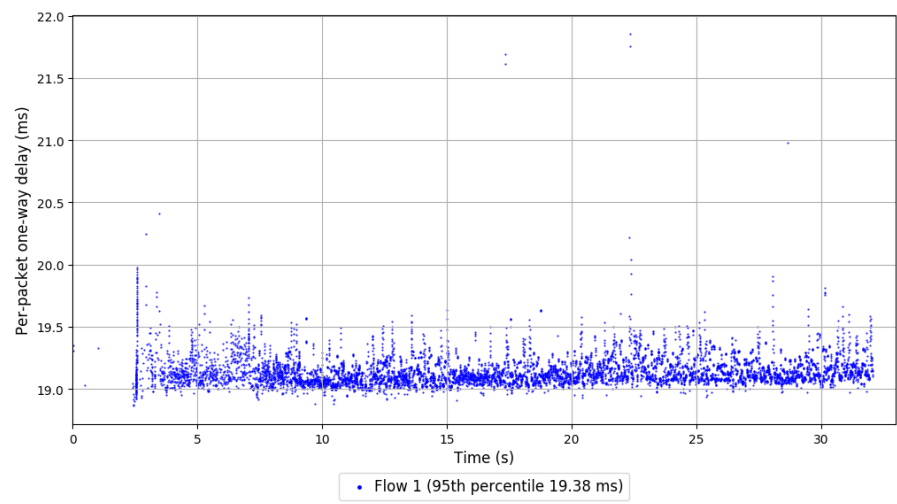
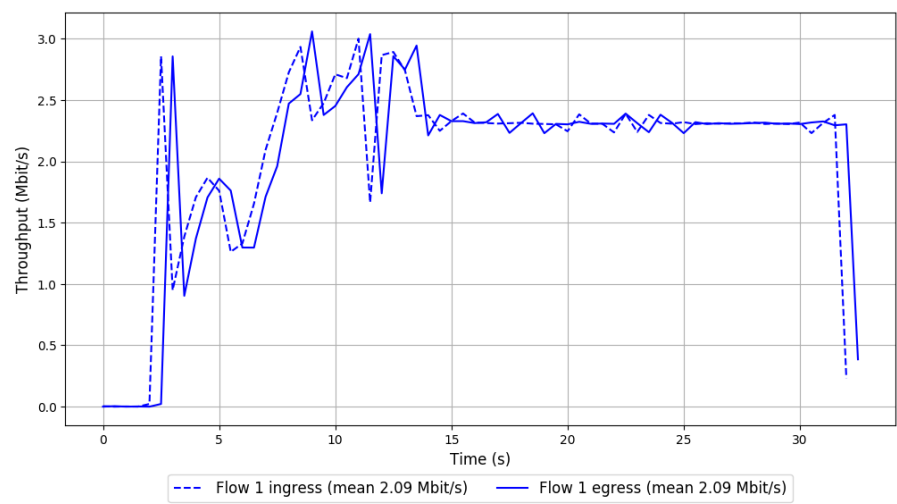


Run 5: Statistics of WebRTC media

Start at: 2018-08-01 01:50:42
End at: 2018-08-01 01:51:12
Local clock offset: 0.603 ms
Remote clock offset: -2.531 ms

Below is generated by plot.py at 2018-08-01 06:11:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 19.382 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 19.382 ms
Loss rate: 0.01%

Run 5: Report of WebRTC media — Data Link

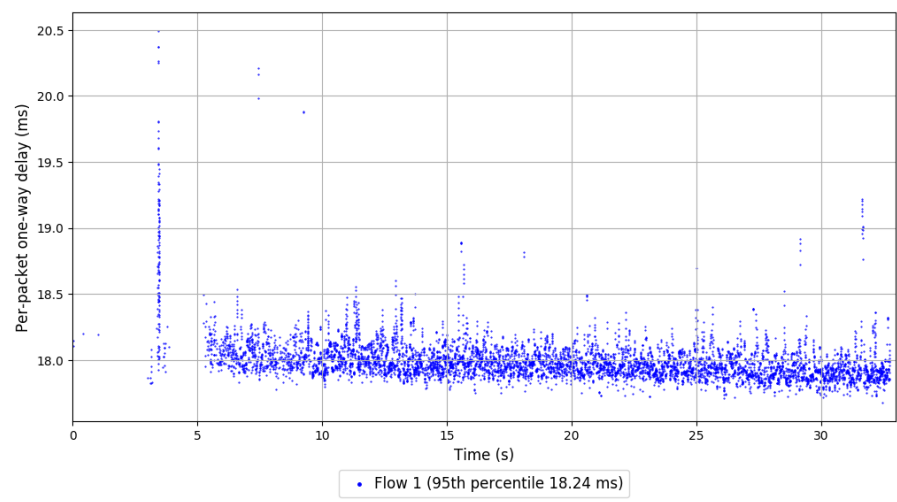
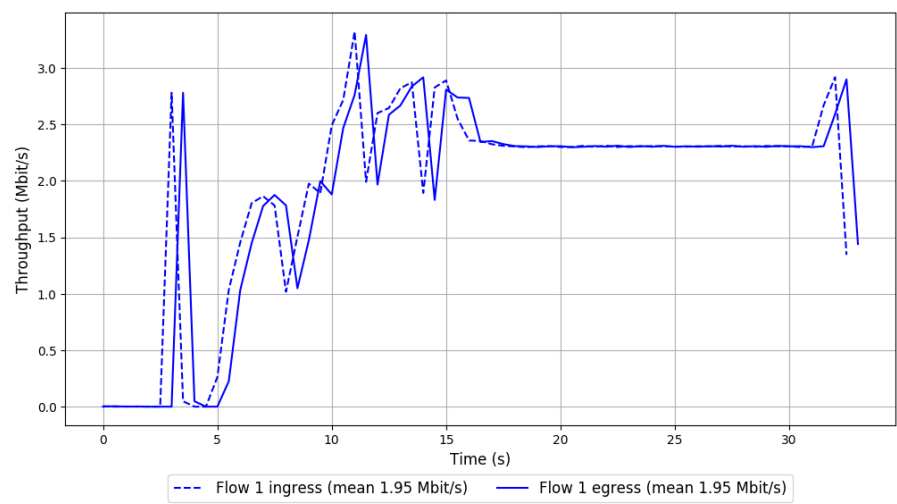


Run 6: Statistics of WebRTC media

Start at: 2018-08-01 02:16:15
End at: 2018-08-01 02:16:45
Local clock offset: 0.472 ms
Remote clock offset: -2.924 ms

Below is generated by plot.py at 2018-08-01 06:11:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 18.244 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 18.244 ms
Loss rate: 0.06%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-08-01 02:41:35

End at: 2018-08-01 02:42:05

Local clock offset: -3.049 ms

Remote clock offset: 0.128 ms

Below is generated by plot.py at 2018-08-01 06:11:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 18.346 ms

Loss rate: 0.00%

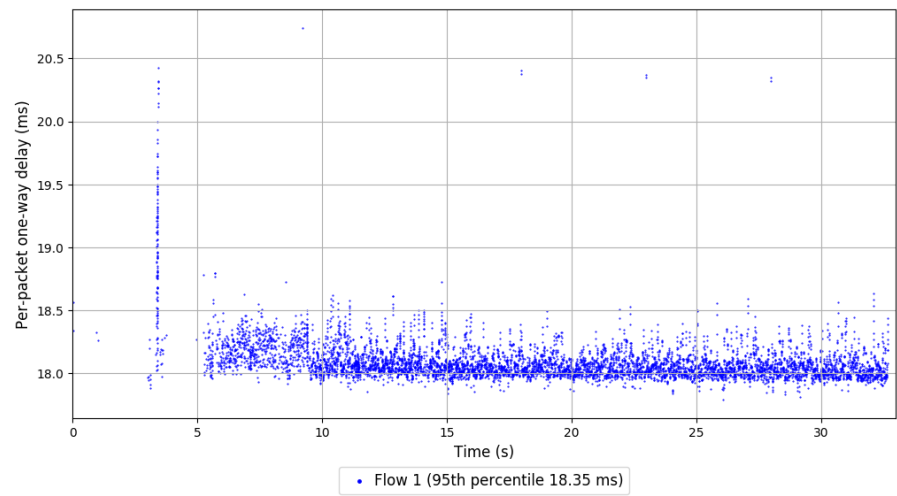
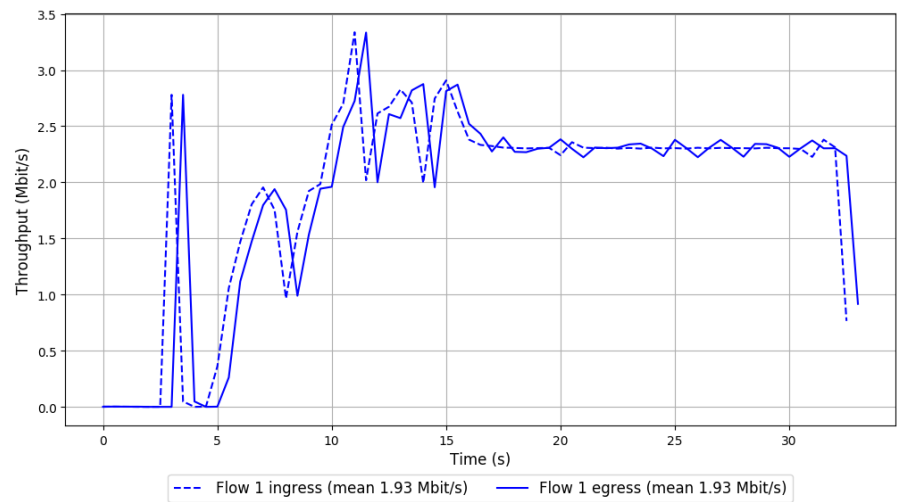
-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 18.346 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

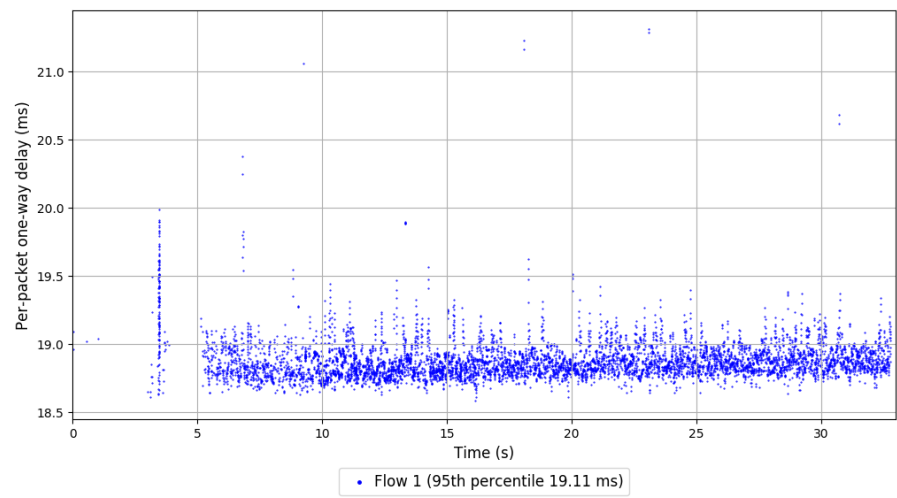
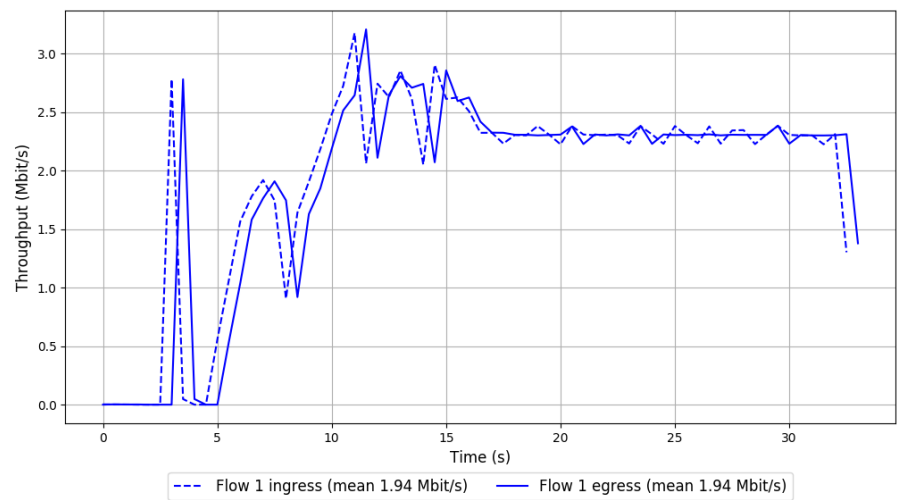


Run 8: Statistics of WebRTC media

Start at: 2018-08-01 03:07:01
End at: 2018-08-01 03:07:31
Local clock offset: -0.235 ms
Remote clock offset: -4.203 ms

Below is generated by plot.py at 2018-08-01 06:11:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 19.110 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 19.110 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

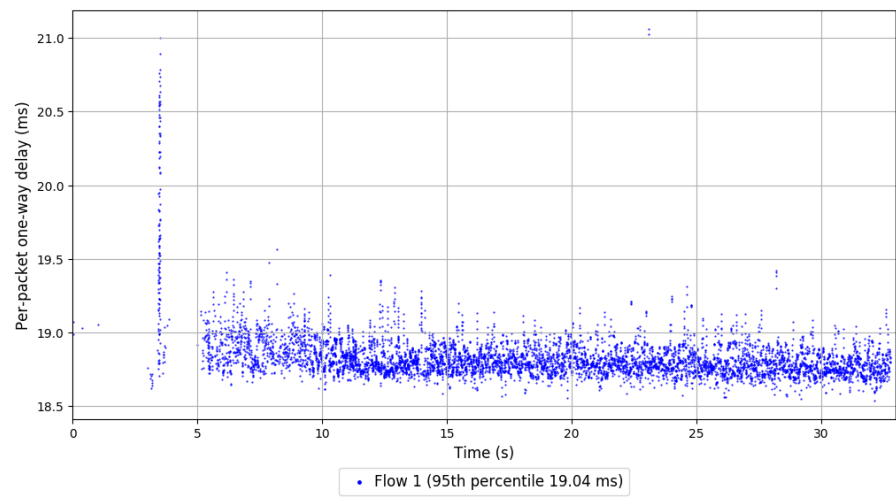
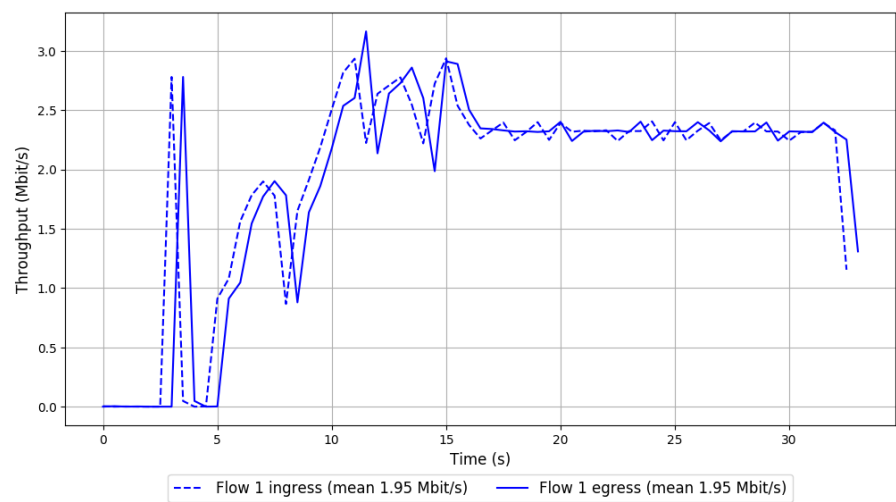


Run 9: Statistics of WebRTC media

Start at: 2018-08-01 03:32:41
End at: 2018-08-01 03:33:11
Local clock offset: -1.645 ms
Remote clock offset: -3.415 ms

Below is generated by plot.py at 2018-08-01 06:11:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 19.042 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 19.042 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-01 03:58:21
End at: 2018-08-01 03:58:51
Local clock offset: -1.403 ms
Remote clock offset: -1.805 ms

Below is generated by plot.py at 2018-08-01 06:11:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 19.315 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 19.315 ms
Loss rate: 0.01%

Run 10: Report of WebRTC media — Data Link

