

Pantheon Report

Generated at 2018-07-25 03:23:26 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

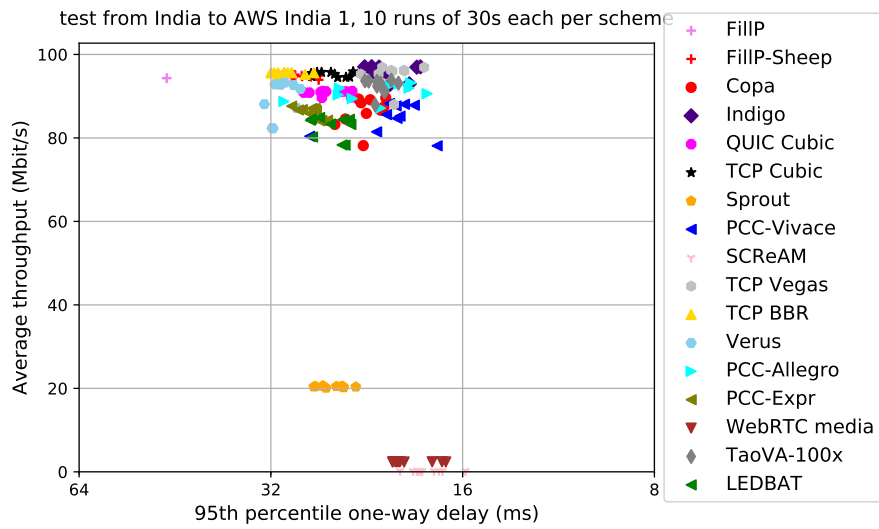
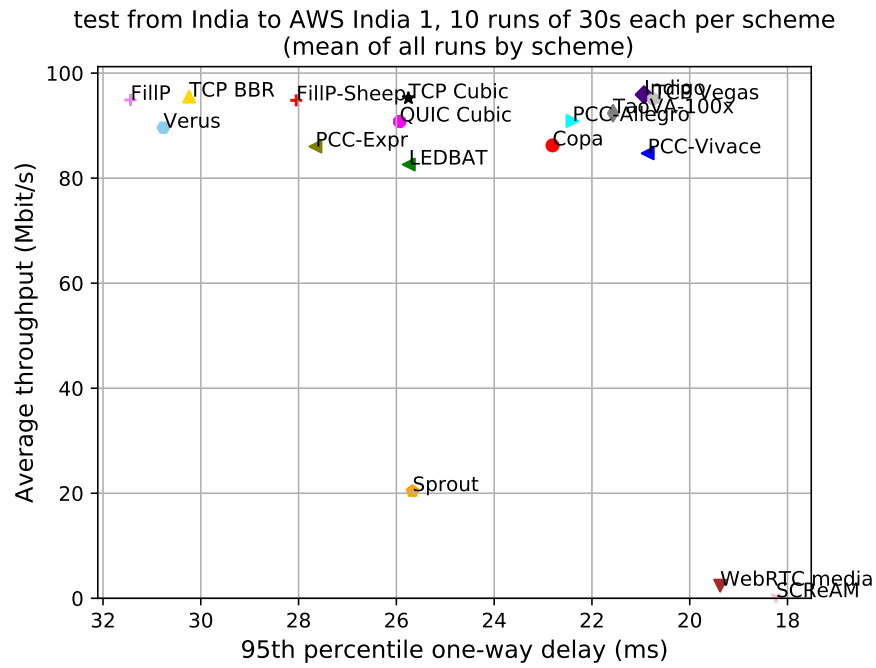
Each test lasted for 30 seconds running 1 flow.

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

NTP offsets were measured against **nets.org.sg** 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-quick @ 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
```



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	95.53	30.24	2.78
Copa	10	86.23	22.81	0.09
TCP Cubic	10	95.22	25.75	0.10
FillP	10	94.89	31.44	0.12
FillP-Sheep	10	94.81	28.05	0.18
Indigo	10	95.90	20.93	0.09
LEDBAT	10	82.59	25.75	0.12
PCC-Allegro	10	90.87	22.40	0.10
PCC-Expr	10	86.01	27.66	0.14
QUIC Cubic	10	90.78	25.93	0.12
SCReAM	10	0.21	18.23	0.07
Sprout	10	20.41	25.67	0.10
TaoVA-100x	10	92.36	21.57	0.09
TCP Vegas	10	95.03	20.74	0.09
Verus	10	89.61	30.76	0.22
PCC-Vivace	10	84.73	20.86	0.09
WebRTC media	10	2.40	19.38	0.09

Run 1: Statistics of TCP BBR

Start at: 2018-07-24 23:36:58

End at: 2018-07-24 23:37:28

Local clock offset: 2.532 ms

Remote clock offset: -5.896 ms

Below is generated by plot.py at 2018-07-25 03:01:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.62 Mbit/s

95th percentile per-packet one-way delay: 31.630 ms

Loss rate: 2.36%

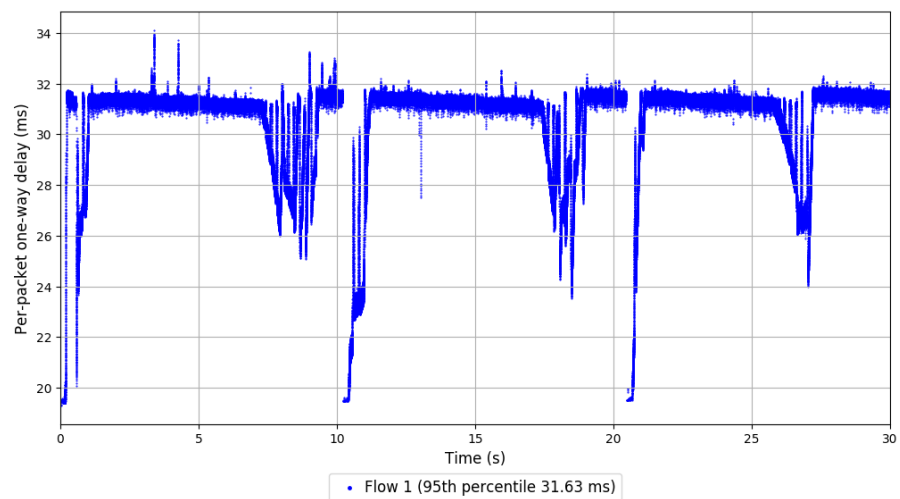
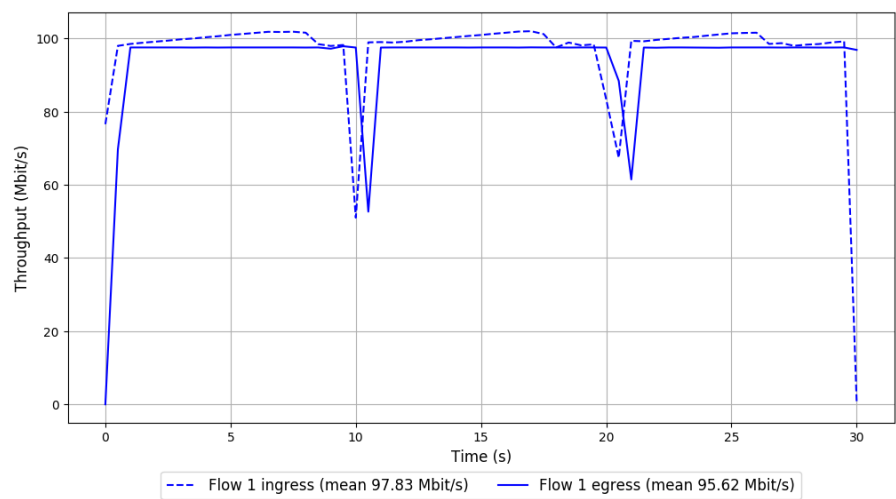
-- Flow 1:

Average throughput: 95.62 Mbit/s

95th percentile per-packet one-way delay: 31.630 ms

Loss rate: 2.36%

Run 1: Report of TCP BBR — Data Link

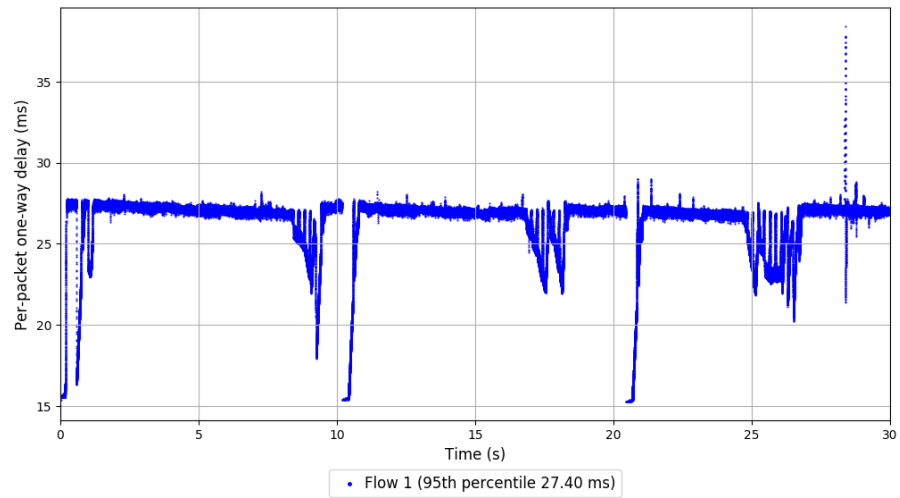
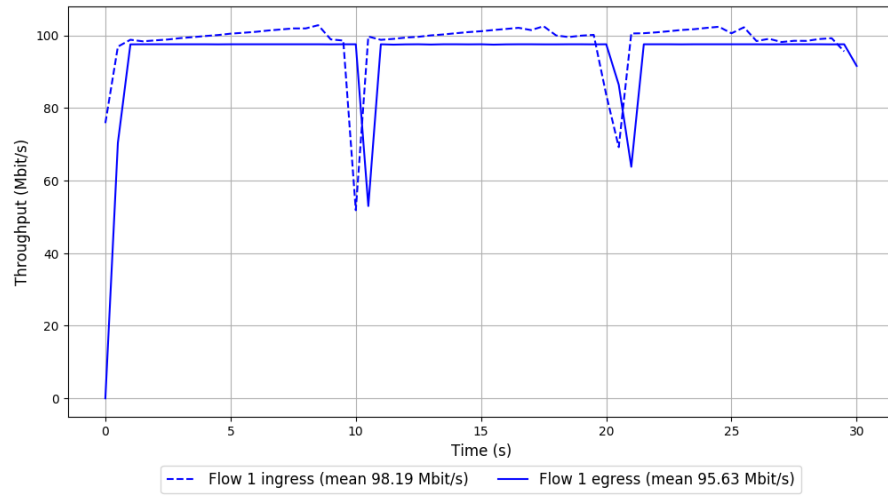


Run 2: Statistics of TCP BBR

Start at: 2018-07-24 23:56:35
End at: 2018-07-24 23:57:05
Local clock offset: -1.751 ms
Remote clock offset: -7.213 ms

Below is generated by plot.py at 2018-07-25 03:01:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.63 Mbit/s
95th percentile per-packet one-way delay: 27.398 ms
Loss rate: 2.69%
-- Flow 1:
Average throughput: 95.63 Mbit/s
95th percentile per-packet one-way delay: 27.398 ms
Loss rate: 2.69%

Run 2: Report of TCP BBR — Data Link

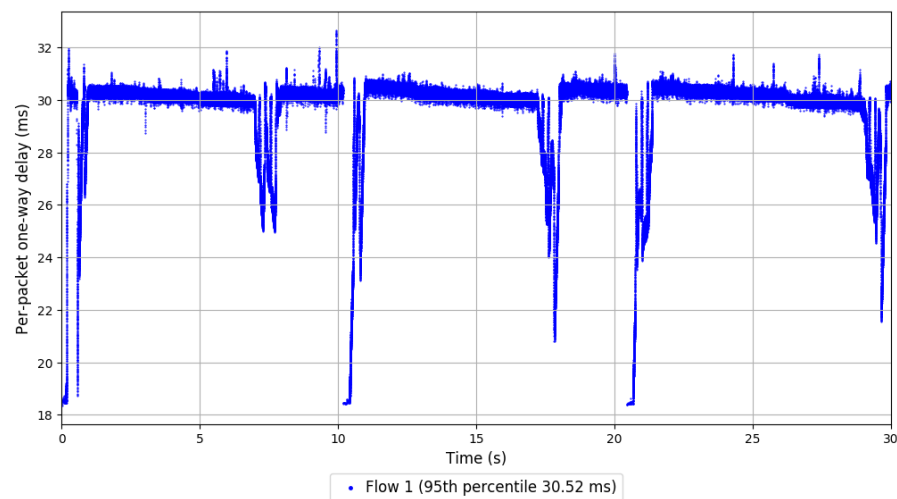
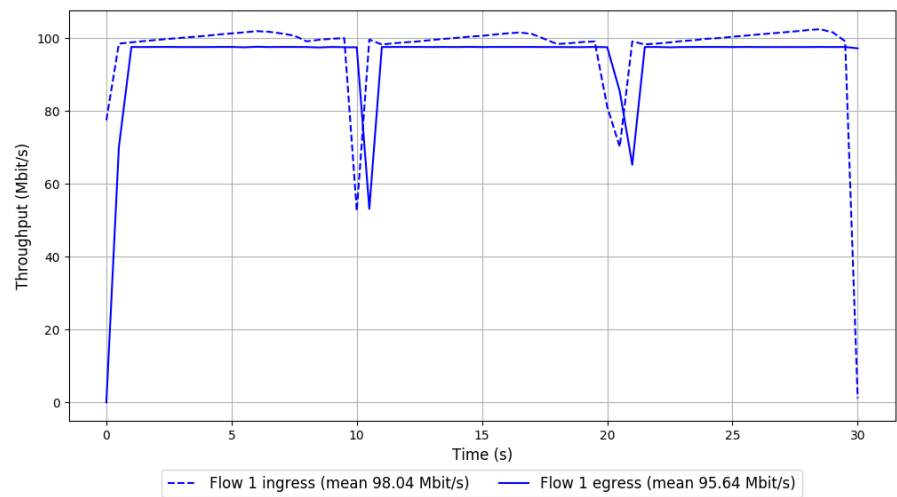


Run 3: Statistics of TCP BBR

Start at: 2018-07-25 00:16:21
End at: 2018-07-25 00:16:51
Local clock offset: 0.36 ms
Remote clock offset: -15.679 ms

Below is generated by plot.py at 2018-07-25 03:01:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.64 Mbit/s
95th percentile per-packet one-way delay: 30.524 ms
Loss rate: 2.56%
-- Flow 1:
Average throughput: 95.64 Mbit/s
95th percentile per-packet one-way delay: 30.524 ms
Loss rate: 2.56%

Run 3: Report of TCP BBR — Data Link

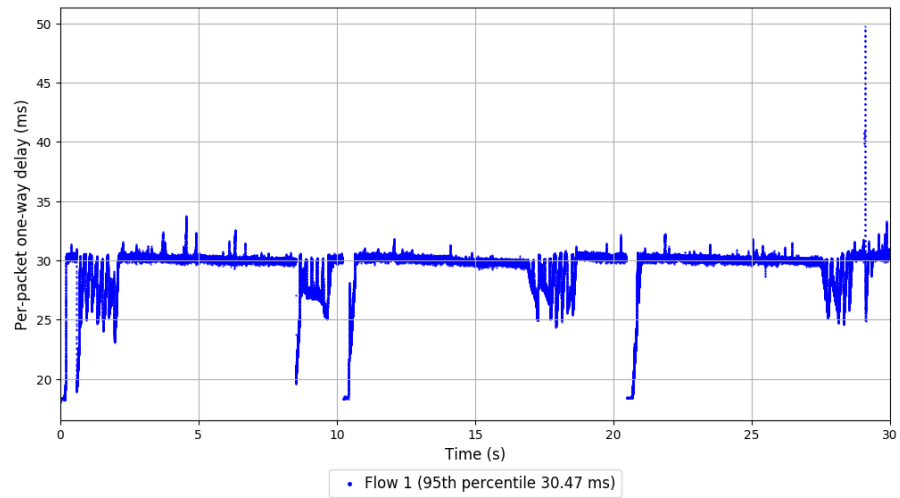
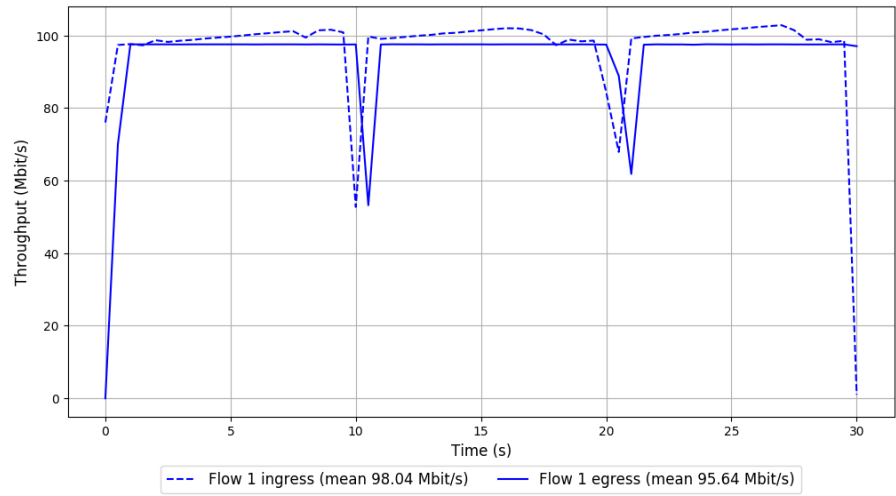


Run 4: Statistics of TCP BBR

Start at: 2018-07-25 00:36:26
End at: 2018-07-25 00:36:57
Local clock offset: -0.829 ms
Remote clock offset: -13.22 ms

Below is generated by plot.py at 2018-07-25 03:01:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.64 Mbit/s
95th percentile per-packet one-way delay: 30.474 ms
Loss rate: 2.54%
-- Flow 1:
Average throughput: 95.64 Mbit/s
95th percentile per-packet one-way delay: 30.474 ms
Loss rate: 2.54%

Run 4: Report of TCP BBR — Data Link

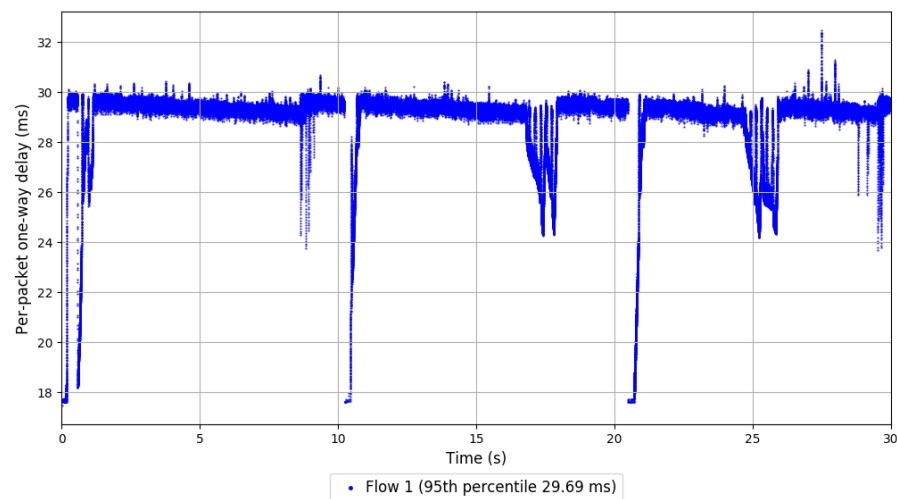
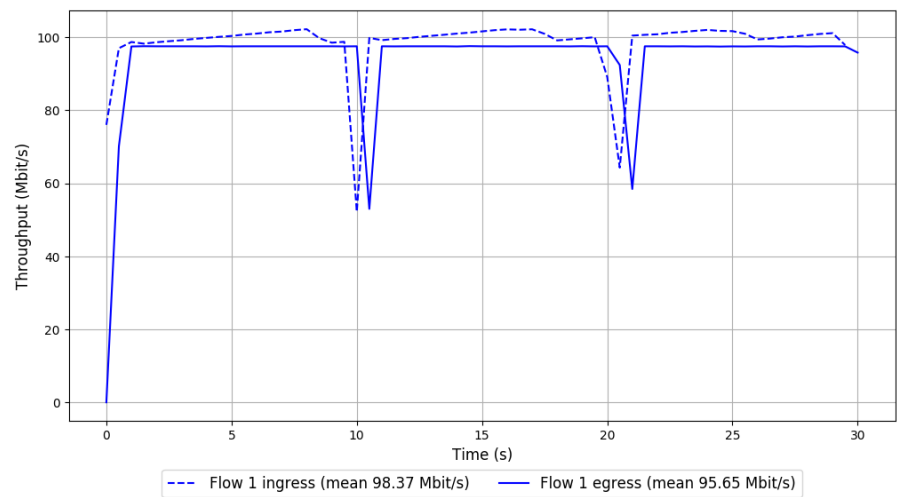


Run 5: Statistics of TCP BBR

Start at: 2018-07-25 00:56:32
End at: 2018-07-25 00:57:02
Local clock offset: -1.264 ms
Remote clock offset: -10.554 ms

Below is generated by plot.py at 2018-07-25 03:01:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 29.690 ms
Loss rate: 2.85%
-- Flow 1:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 29.690 ms
Loss rate: 2.85%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-25 01:16:24

End at: 2018-07-25 01:16:54

Local clock offset: 0.501 ms

Remote clock offset: -8.672 ms

Below is generated by plot.py at 2018-07-25 03:01:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.59 Mbit/s

95th percentile per-packet one-way delay: 31.183 ms

Loss rate: 3.20%

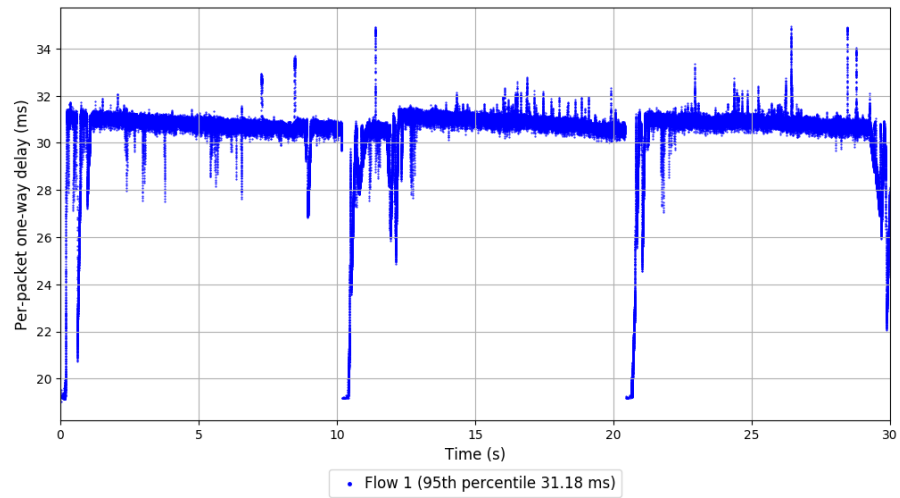
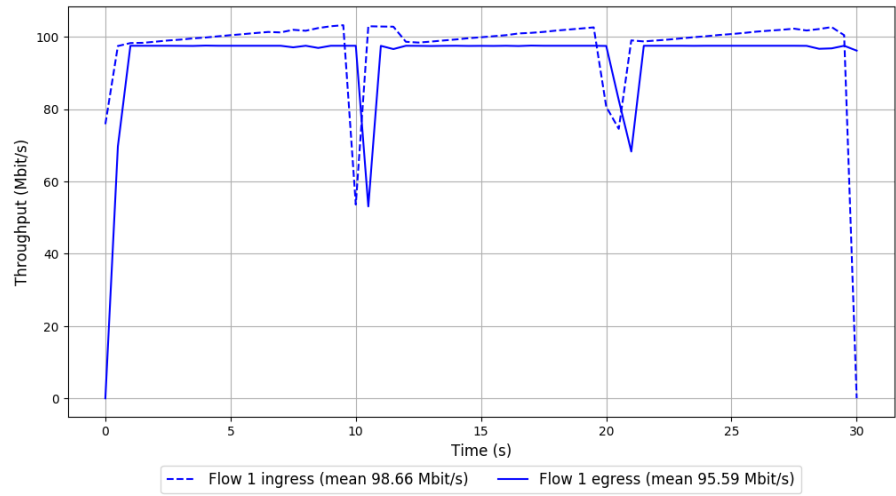
-- Flow 1:

Average throughput: 95.59 Mbit/s

95th percentile per-packet one-way delay: 31.183 ms

Loss rate: 3.20%

Run 6: Report of TCP BBR — Data Link

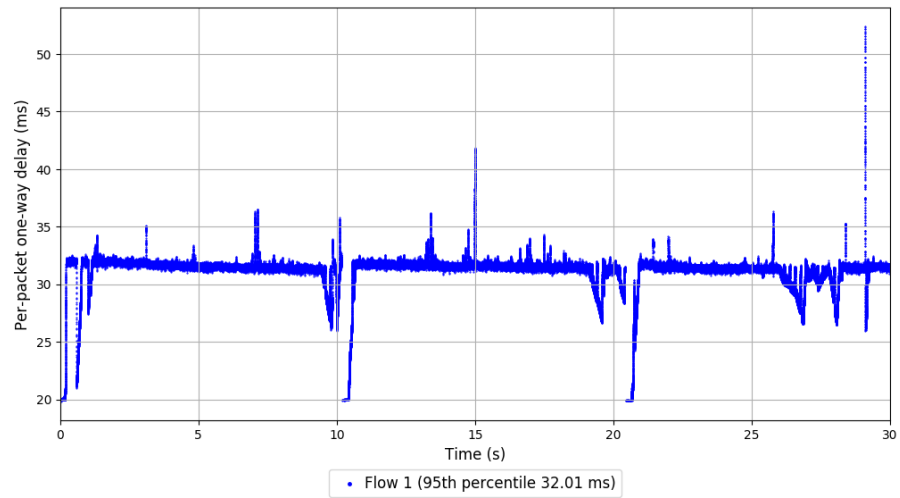
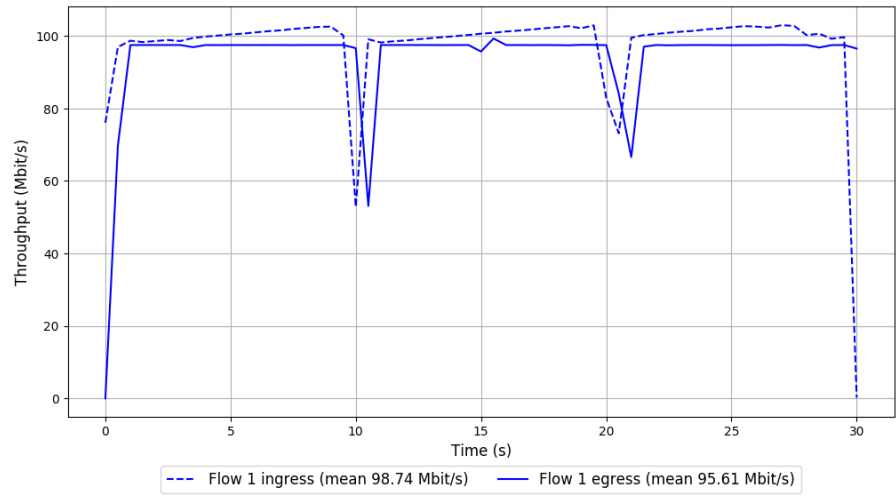


Run 7: Statistics of TCP BBR

Start at: 2018-07-25 01:36:30
End at: 2018-07-25 01:37:00
Local clock offset: 1.826 ms
Remote clock offset: -8.995 ms

Below is generated by plot.py at 2018-07-25 03:01:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 32.009 ms
Loss rate: 3.27%
-- Flow 1:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 32.009 ms
Loss rate: 3.27%

Run 7: Report of TCP BBR — Data Link

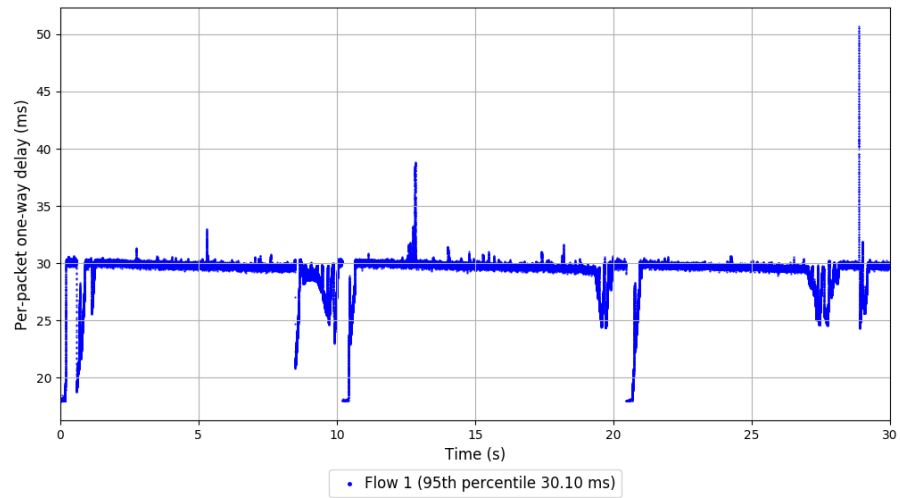
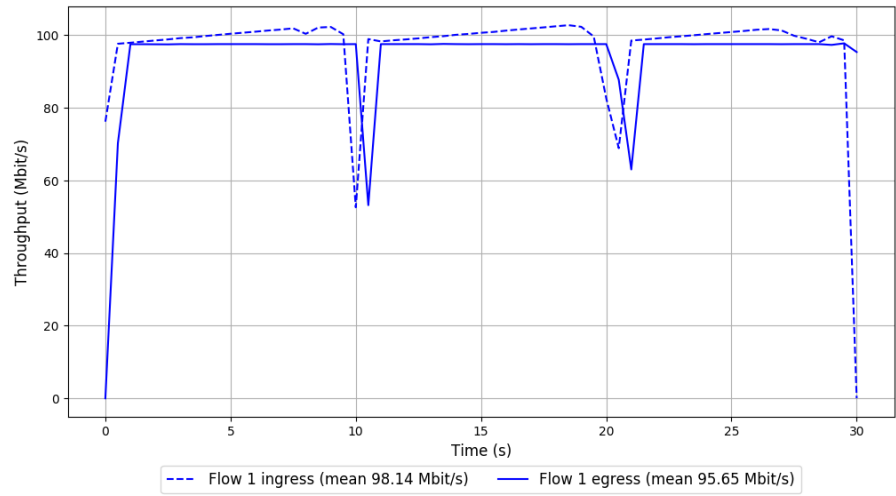


Run 8: Statistics of TCP BBR

Start at: 2018-07-25 01:56:45
End at: 2018-07-25 01:57:15
Local clock offset: 1.934 ms
Remote clock offset: -9.426 ms

Below is generated by plot.py at 2018-07-25 03:01:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 30.099 ms
Loss rate: 2.63%
-- Flow 1:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 30.099 ms
Loss rate: 2.63%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-25 02:16:50

End at: 2018-07-25 02:17:20

Local clock offset: 1.652 ms

Remote clock offset: -6.737 ms

Below is generated by plot.py at 2018-07-25 03:02:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.01 Mbit/s

95th percentile per-packet one-way delay: 31.111 ms

Loss rate: 3.00%

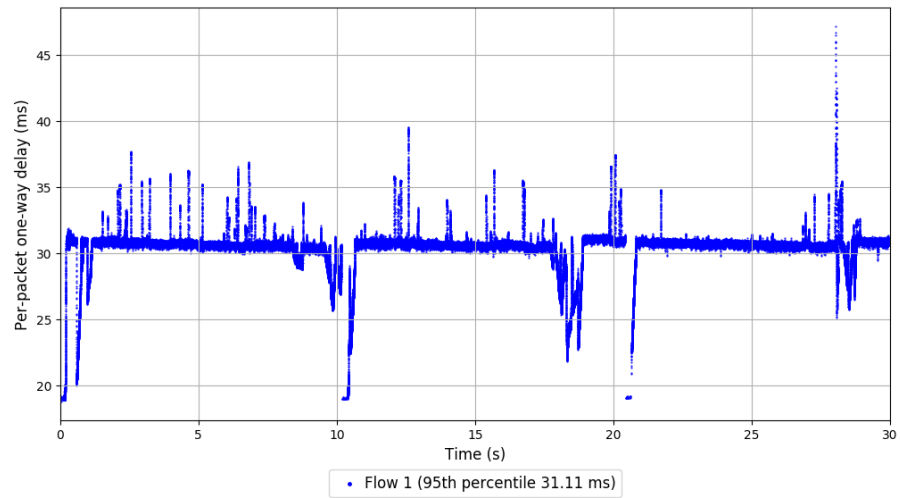
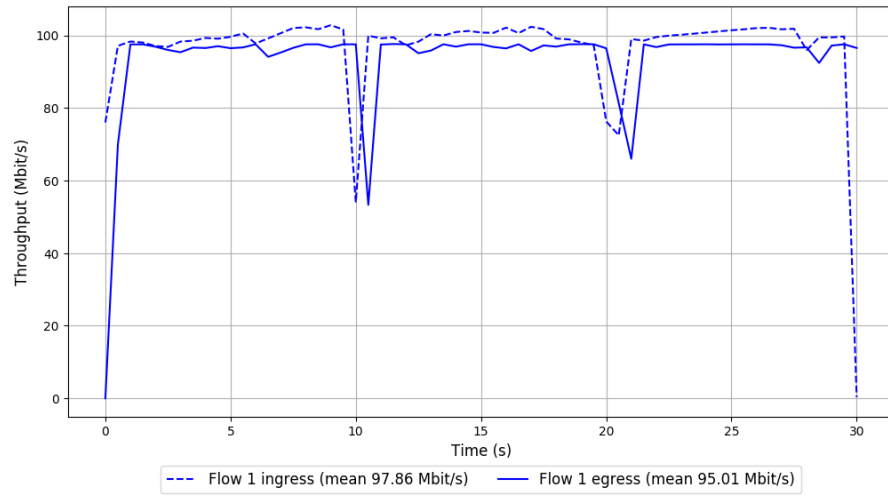
-- Flow 1:

Average throughput: 95.01 Mbit/s

95th percentile per-packet one-way delay: 31.111 ms

Loss rate: 3.00%

Run 9: Report of TCP BBR — Data Link

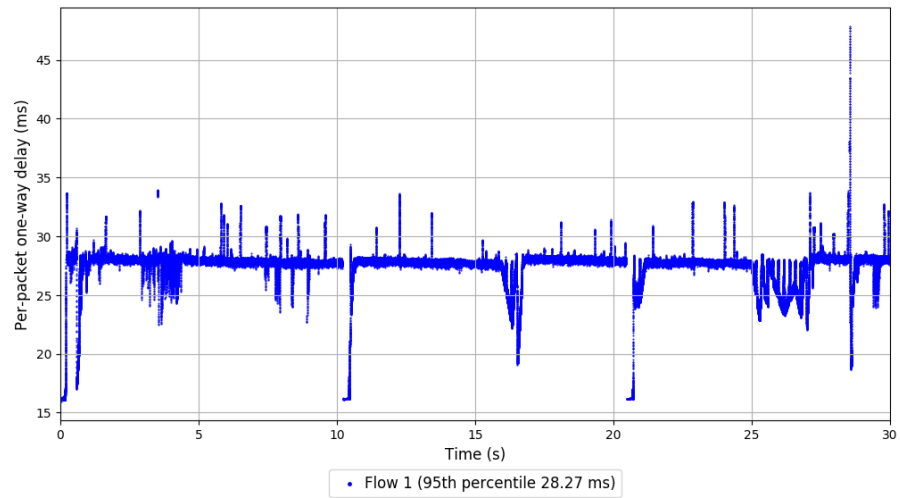
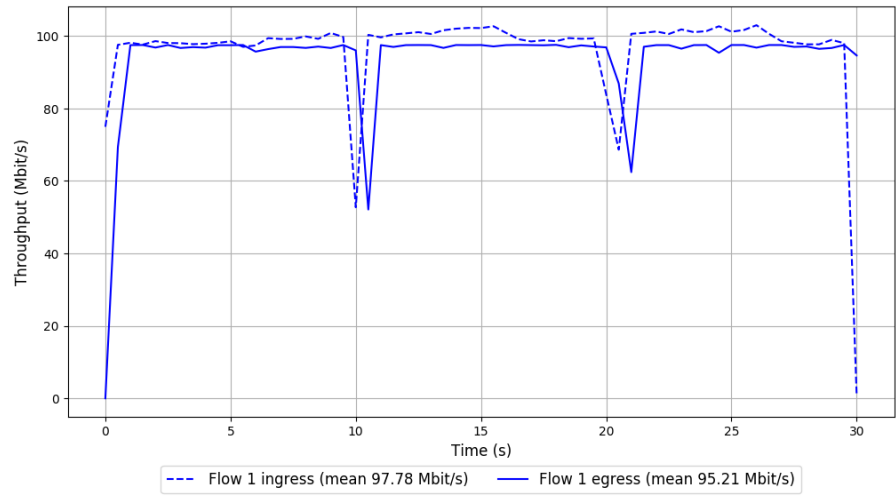


Run 10: Statistics of TCP BBR

Start at: 2018-07-25 02:37:01
End at: 2018-07-25 02:37:31
Local clock offset: -1.249 ms
Remote clock offset: -2.913 ms

Below is generated by plot.py at 2018-07-25 03:02:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.21 Mbit/s
95th percentile per-packet one-way delay: 28.275 ms
Loss rate: 2.71%
-- Flow 1:
Average throughput: 95.21 Mbit/s
95th percentile per-packet one-way delay: 28.275 ms
Loss rate: 2.71%

Run 10: Report of TCP BBR — Data Link

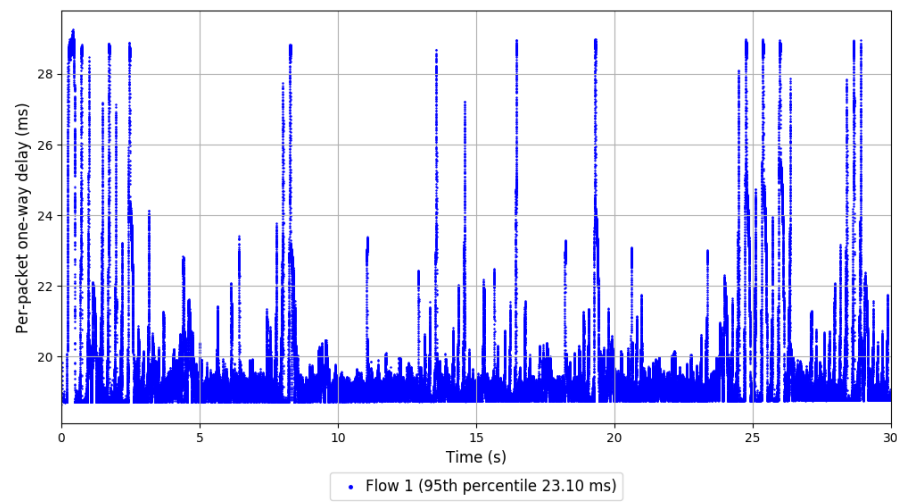
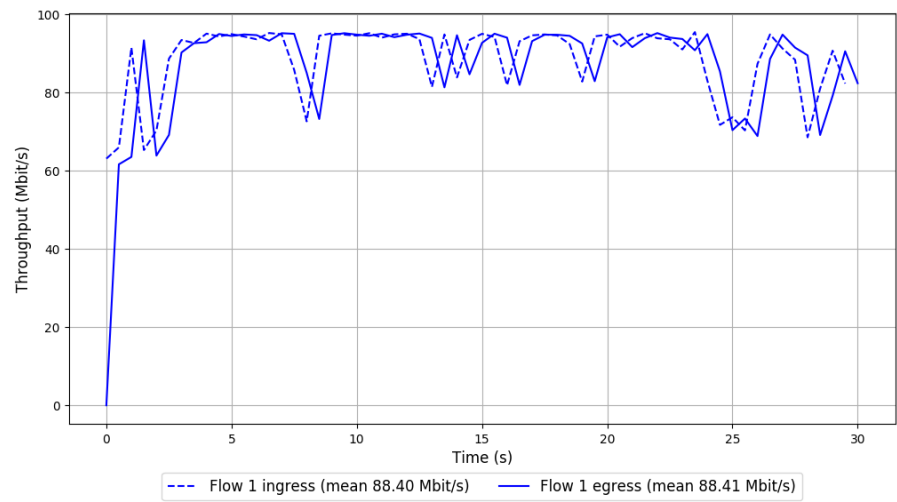


Run 1: Statistics of Copa

Start at: 2018-07-24 23:47:18
End at: 2018-07-24 23:47:48
Local clock offset: 1.376 ms
Remote clock offset: -4.713 ms

Below is generated by plot.py at 2018-07-25 03:03:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.41 Mbit/s
95th percentile per-packet one-way delay: 23.098 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 88.41 Mbit/s
95th percentile per-packet one-way delay: 23.098 ms
Loss rate: 0.07%

Run 1: Report of Copa — Data Link

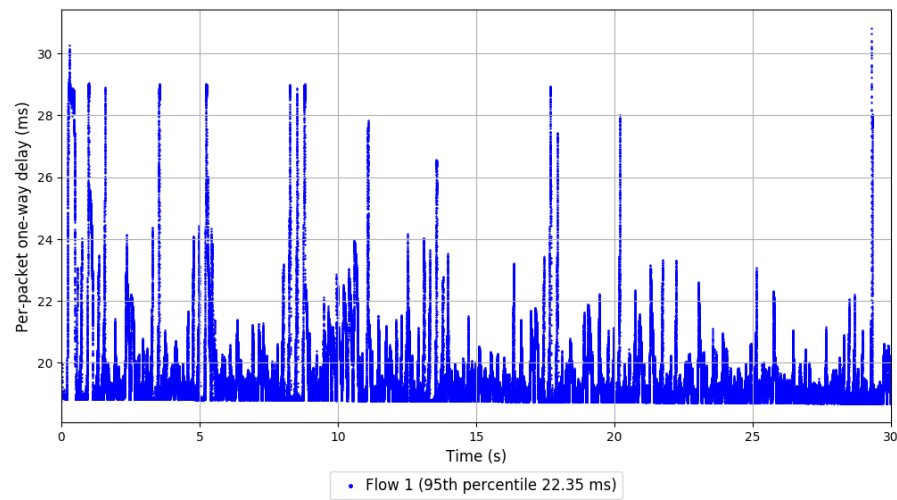
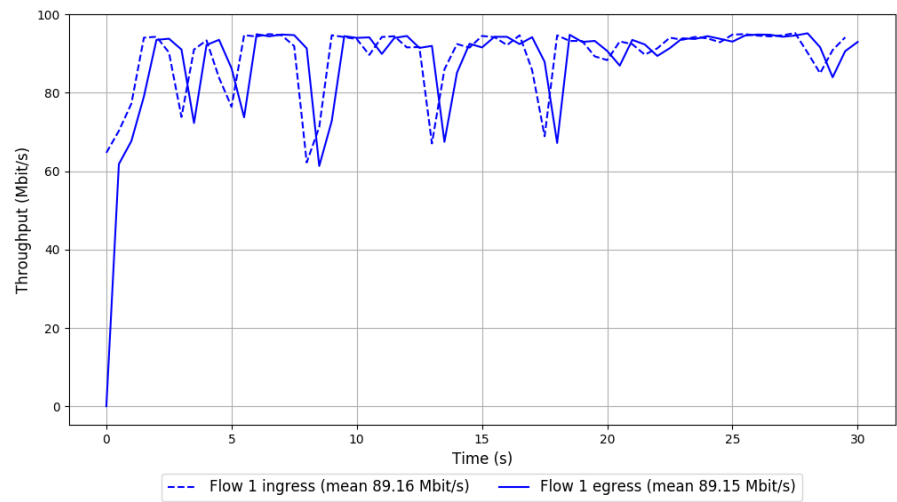


Run 2: Statistics of Copa

Start at: 2018-07-25 00:06:58
End at: 2018-07-25 00:07:28
Local clock offset: 0.518 ms
Remote clock offset: -13.575 ms

Below is generated by plot.py at 2018-07-25 03:03:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.15 Mbit/s
95th percentile per-packet one-way delay: 22.347 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 89.15 Mbit/s
95th percentile per-packet one-way delay: 22.347 ms
Loss rate: 0.10%

Run 2: Report of Copa — Data Link

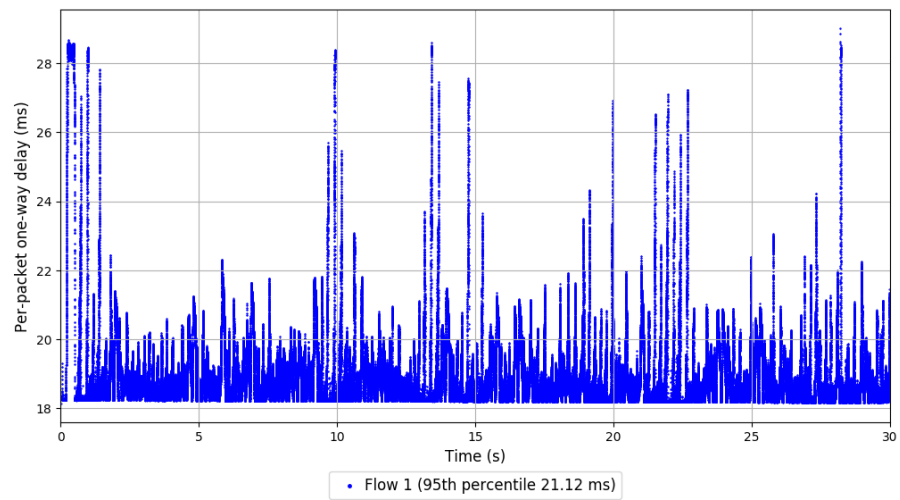
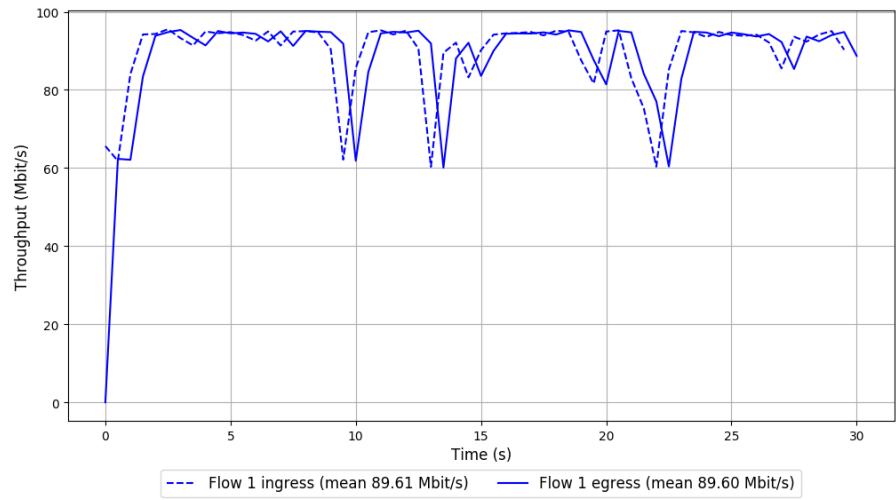


Run 3: Statistics of Copa

Start at: 2018-07-25 00:26:53
End at: 2018-07-25 00:27:23
Local clock offset: -0.072 ms
Remote clock offset: -17.657 ms

Below is generated by plot.py at 2018-07-25 03:03:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.60 Mbit/s
95th percentile per-packet one-way delay: 21.125 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 89.60 Mbit/s
95th percentile per-packet one-way delay: 21.125 ms
Loss rate: 0.10%

Run 3: Report of Copa — Data Link

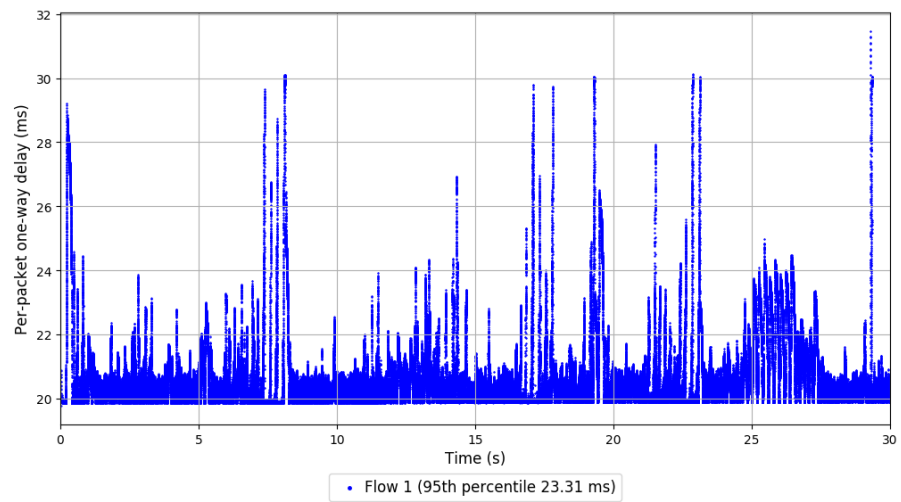
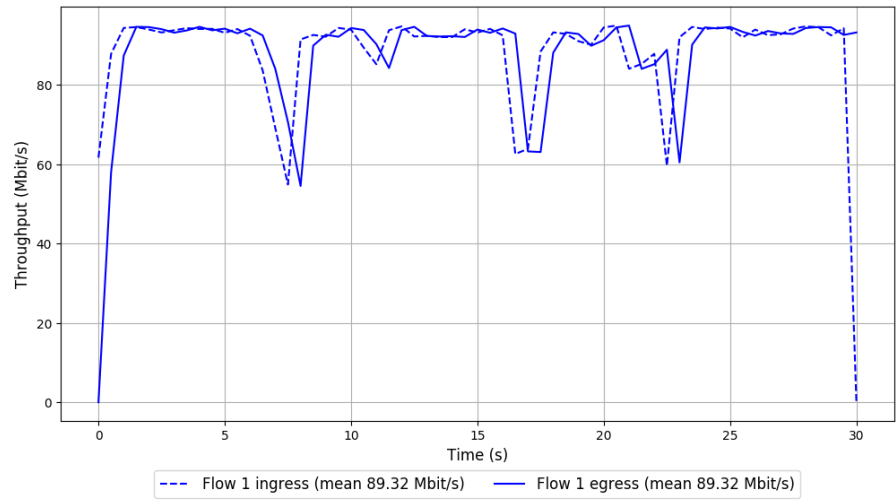


Run 4: Statistics of Copa

Start at: 2018-07-25 00:47:01
End at: 2018-07-25 00:47:31
Local clock offset: 0.981 ms
Remote clock offset: -11.05 ms

Below is generated by plot.py at 2018-07-25 03:03:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.32 Mbit/s
95th percentile per-packet one-way delay: 23.310 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 89.32 Mbit/s
95th percentile per-packet one-way delay: 23.310 ms
Loss rate: 0.09%

Run 4: Report of Copa — Data Link

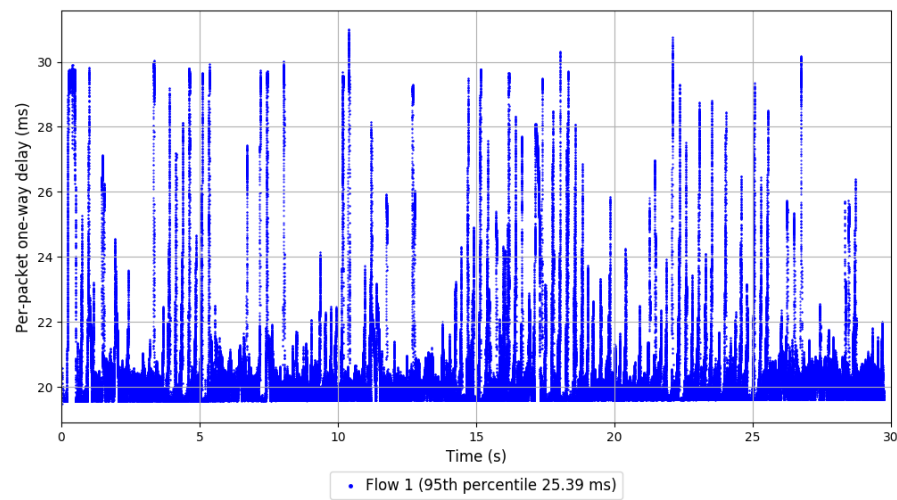
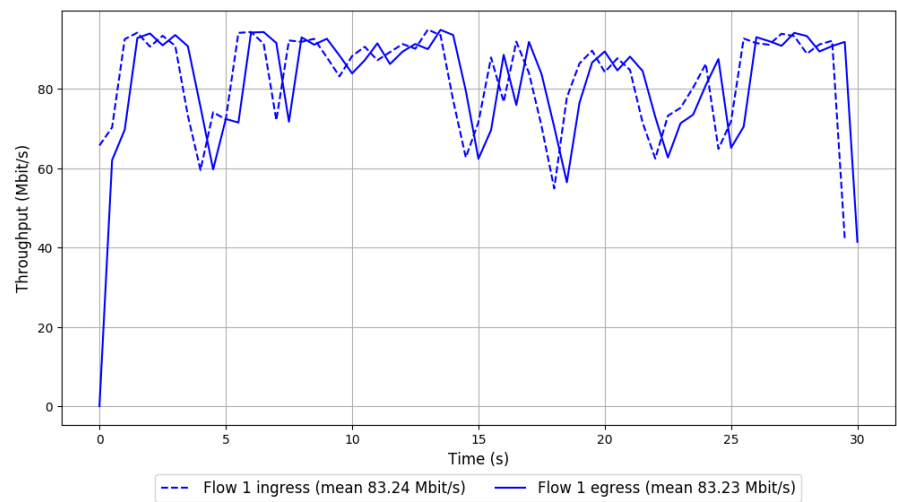


Run 5: Statistics of Copa

Start at: 2018-07-25 01:06:59
End at: 2018-07-25 01:07:29
Local clock offset: 0.905 ms
Remote clock offset: -9.386 ms

Below is generated by plot.py at 2018-07-25 03:03:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.23 Mbit/s
95th percentile per-packet one-way delay: 25.388 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 83.23 Mbit/s
95th percentile per-packet one-way delay: 25.388 ms
Loss rate: 0.10%

Run 5: Report of Copa — Data Link

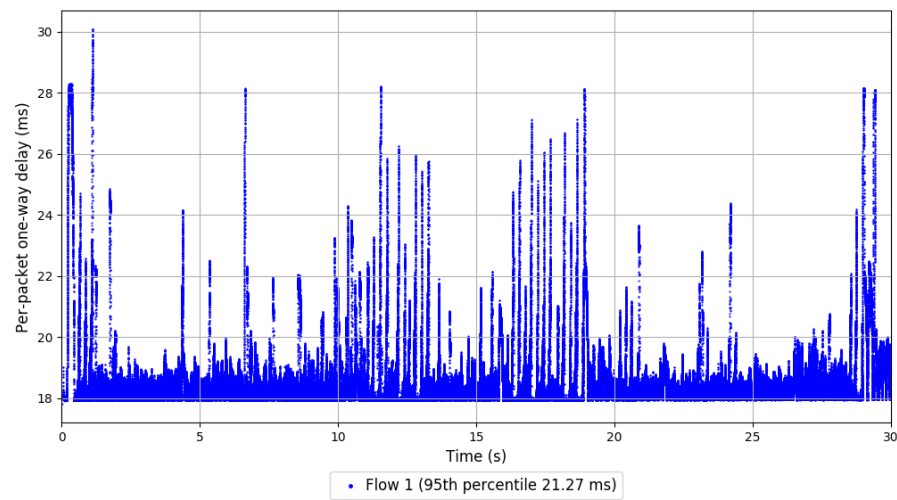
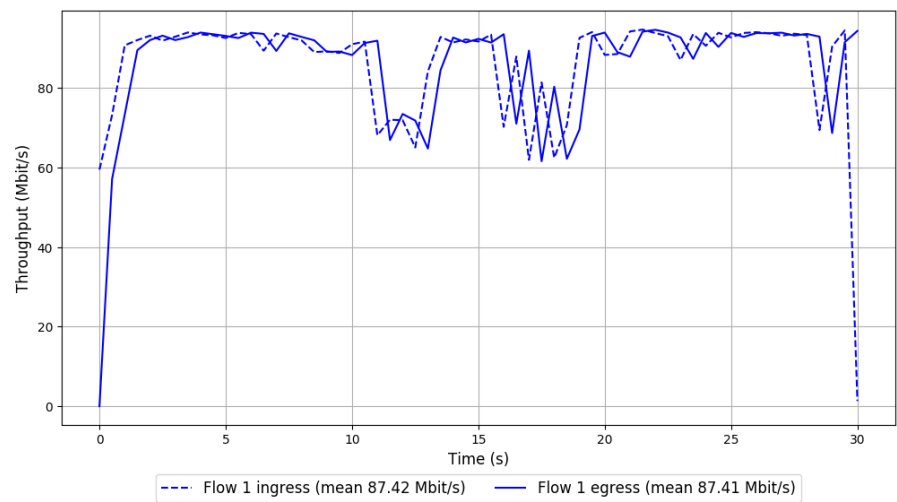


Run 6: Statistics of Copa

Start at: 2018-07-25 01:26:56
End at: 2018-07-25 01:27:26
Local clock offset: -1.554 ms
Remote clock offset: -9.134 ms

Below is generated by plot.py at 2018-07-25 03:03:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.41 Mbit/s
95th percentile per-packet one-way delay: 21.269 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 87.41 Mbit/s
95th percentile per-packet one-way delay: 21.269 ms
Loss rate: 0.09%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-07-25 01:47:05

End at: 2018-07-25 01:47:35

Local clock offset: 0.268 ms

Remote clock offset: -9.16 ms

Below is generated by plot.py at 2018-07-25 03:04:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.16 Mbit/s

95th percentile per-packet one-way delay: 22.913 ms

Loss rate: 0.06%

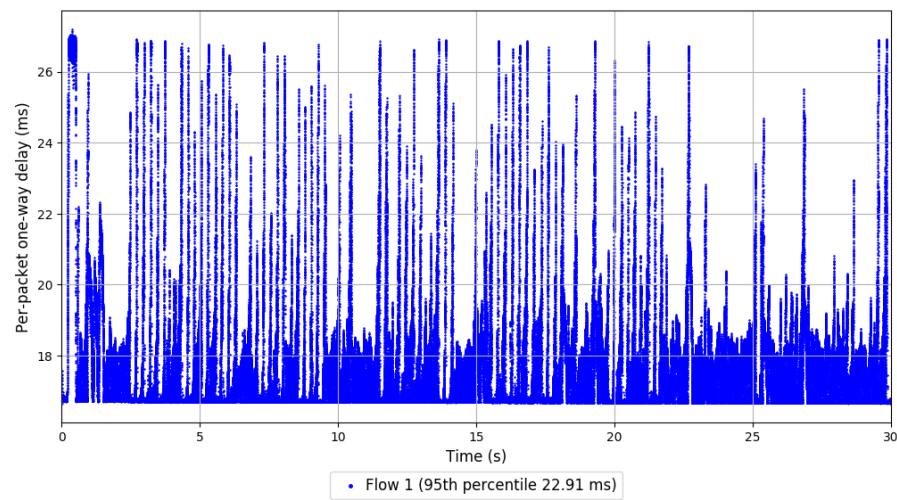
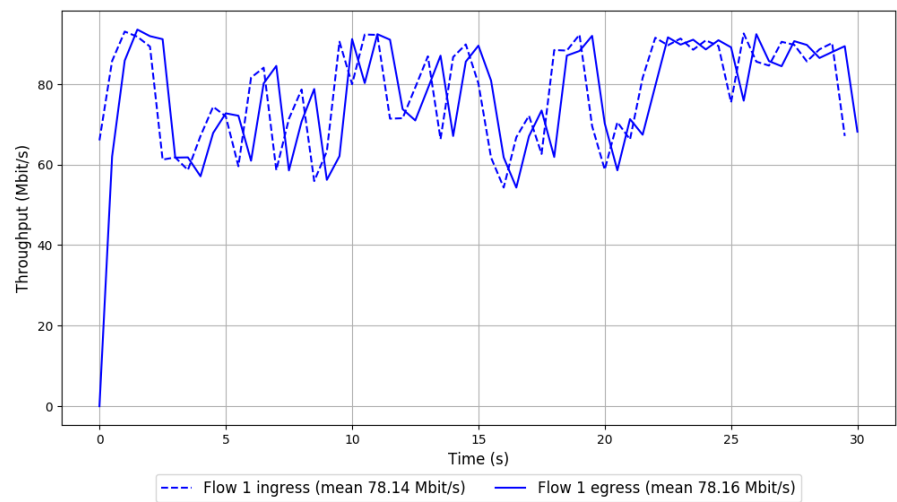
-- Flow 1:

Average throughput: 78.16 Mbit/s

95th percentile per-packet one-way delay: 22.913 ms

Loss rate: 0.06%

Run 7: Report of Copa — Data Link

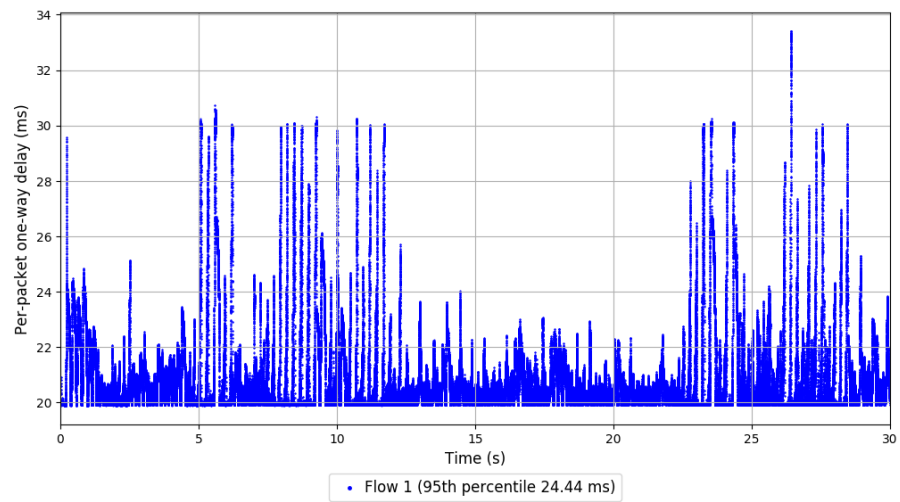
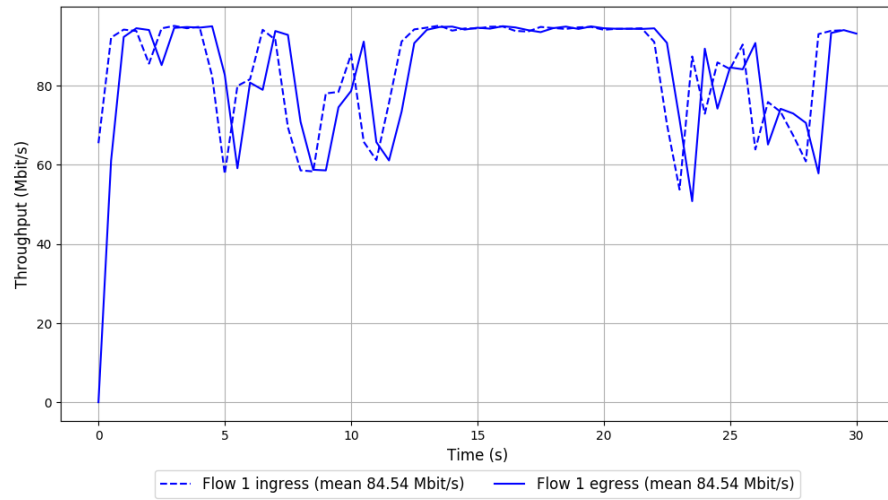


Run 8: Statistics of Copa

Start at: 2018-07-25 02:07:17
End at: 2018-07-25 02:07:47
Local clock offset: 3.018 ms
Remote clock offset: -9.997 ms

Below is generated by plot.py at 2018-07-25 03:04:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.54 Mbit/s
95th percentile per-packet one-way delay: 24.444 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 84.54 Mbit/s
95th percentile per-packet one-way delay: 24.444 ms
Loss rate: 0.09%

Run 8: Report of Copa — Data Link

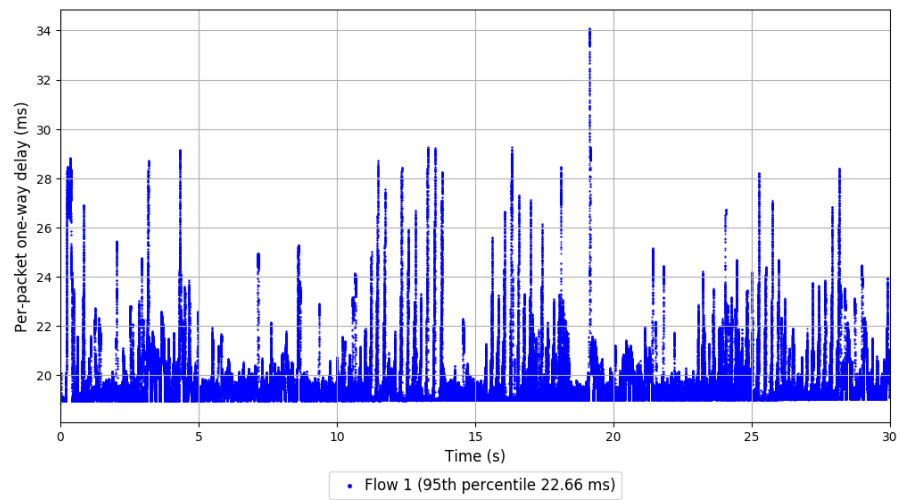
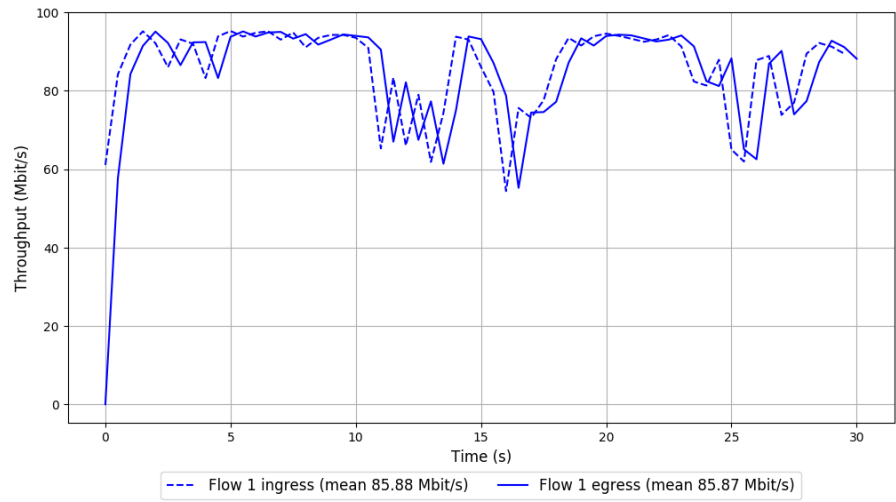


Run 9: Statistics of Copa

Start at: 2018-07-25 02:27:22
End at: 2018-07-25 02:27:52
Local clock offset: 1.798 ms
Remote clock offset: -4.181 ms

Below is generated by plot.py at 2018-07-25 03:04:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.87 Mbit/s
95th percentile per-packet one-way delay: 22.661 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 85.87 Mbit/s
95th percentile per-packet one-way delay: 22.661 ms
Loss rate: 0.09%

Run 9: Report of Copa — Data Link

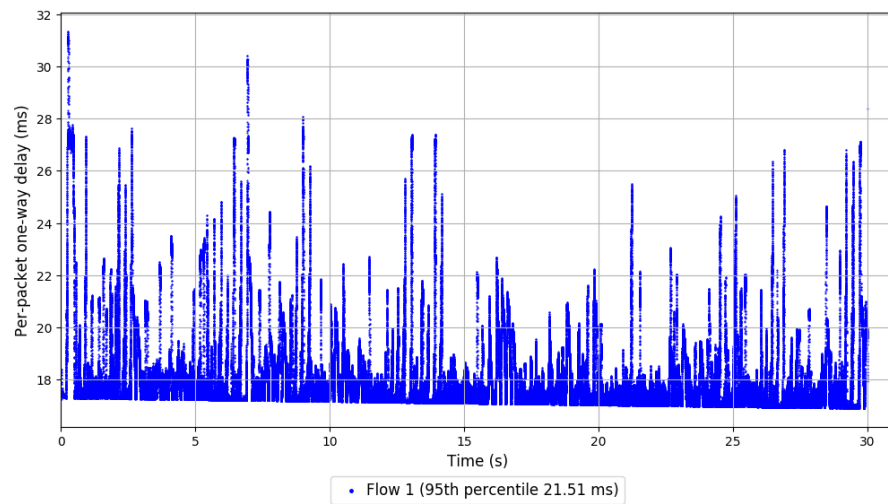
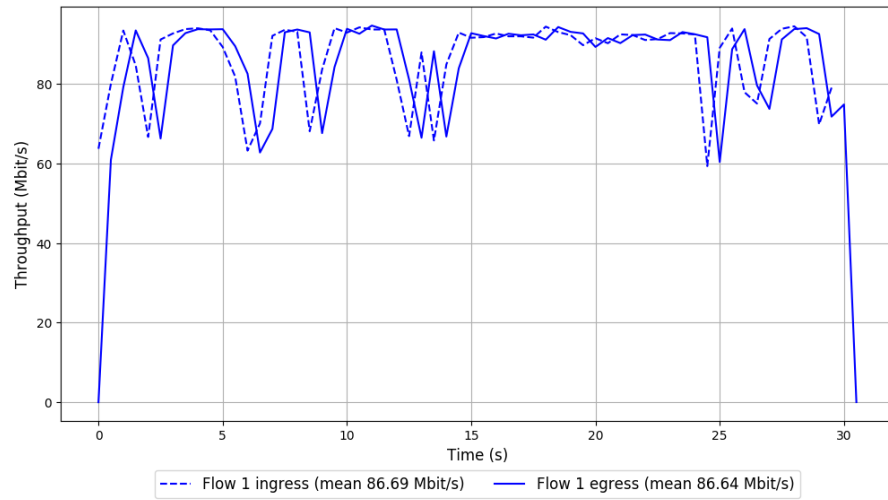


Run 10: Statistics of Copa

Start at: 2018-07-25 02:47:35
End at: 2018-07-25 02:48:05
Local clock offset: -1.03 ms
Remote clock offset: -6.079 ms

Below is generated by plot.py at 2018-07-25 03:04:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.64 Mbit/s
95th percentile per-packet one-way delay: 21.514 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 86.64 Mbit/s
95th percentile per-packet one-way delay: 21.514 ms
Loss rate: 0.10%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-24 23:55:26

End at: 2018-07-24 23:55:56

Local clock offset: 1.127 ms

Remote clock offset: -6.572 ms

Below is generated by plot.py at 2018-07-25 03:04:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.72 Mbit/s

95th percentile per-packet one-way delay: 25.757 ms

Loss rate: 0.09%

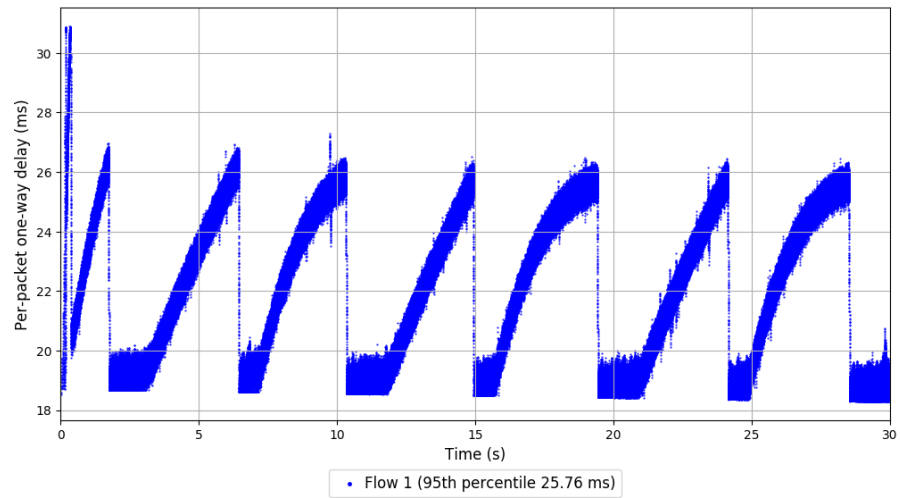
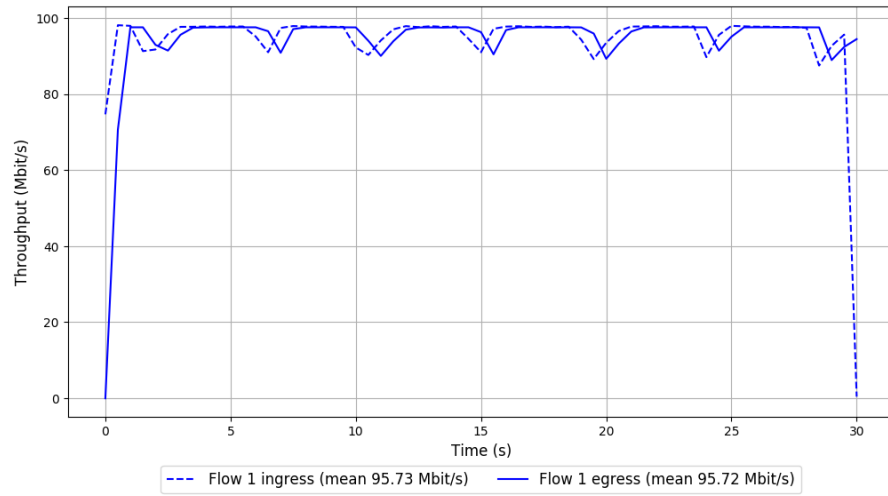
-- Flow 1:

Average throughput: 95.72 Mbit/s

95th percentile per-packet one-way delay: 25.757 ms

Loss rate: 0.09%

Run 1: Report of TCP Cubic — Data Link

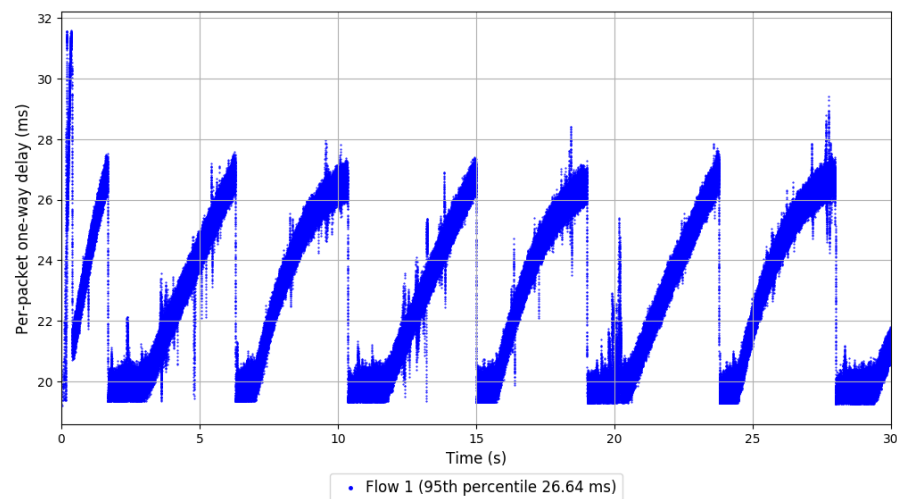
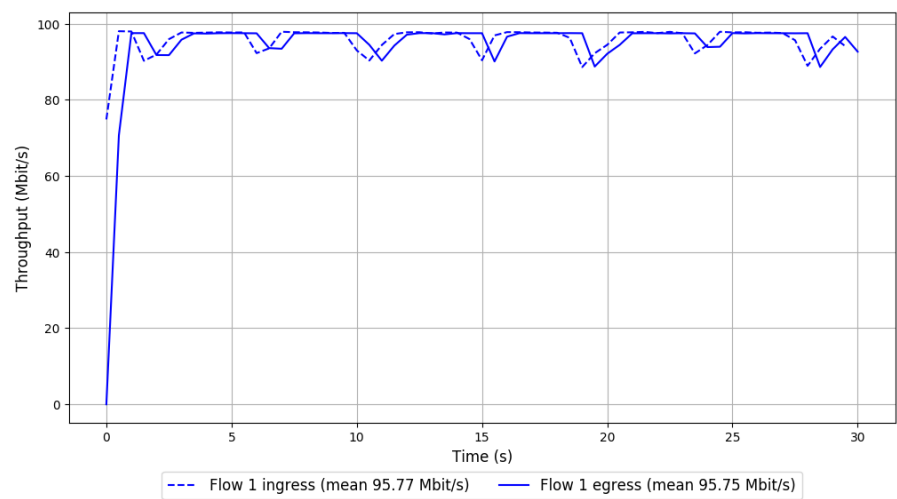


Run 2: Statistics of TCP Cubic

Start at: 2018-07-25 00:15:09
End at: 2018-07-25 00:15:39
Local clock offset: 1.348 ms
Remote clock offset: -15.358 ms

Below is generated by plot.py at 2018-07-25 03:04:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.75 Mbit/s
95th percentile per-packet one-way delay: 26.642 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 95.75 Mbit/s
95th percentile per-packet one-way delay: 26.642 ms
Loss rate: 0.10%

Run 2: Report of TCP Cubic — Data Link

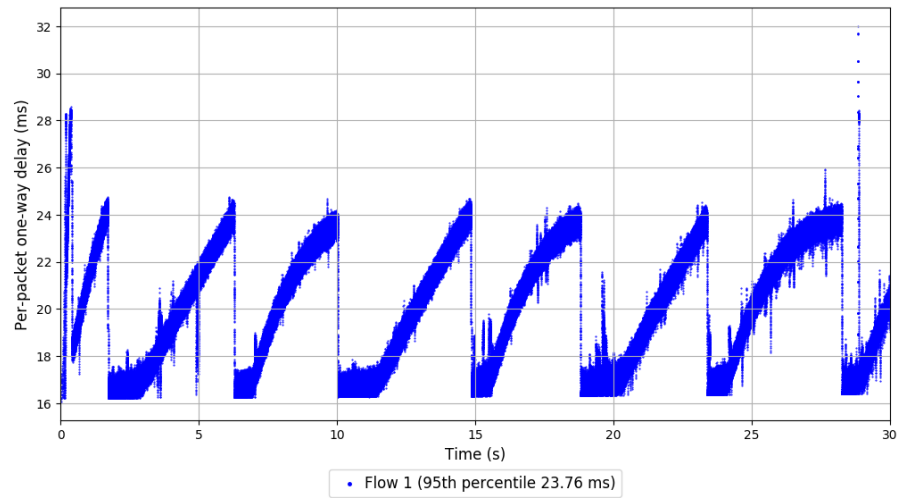
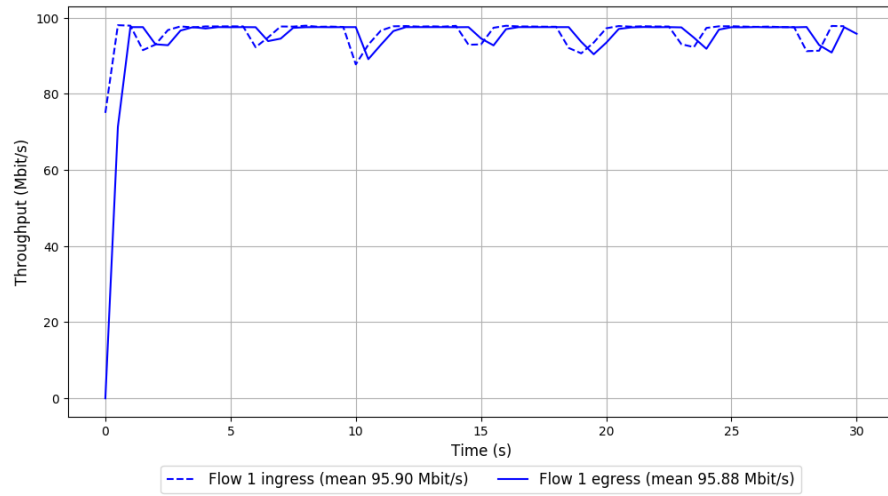


Run 3: Statistics of TCP Cubic

Start at: 2018-07-25 00:35:15
End at: 2018-07-25 00:35:45
Local clock offset: -2.108 ms
Remote clock offset: -12.873 ms

Below is generated by plot.py at 2018-07-25 03:04:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.88 Mbit/s
95th percentile per-packet one-way delay: 23.762 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 95.88 Mbit/s
95th percentile per-packet one-way delay: 23.762 ms
Loss rate: 0.10%

Run 3: Report of TCP Cubic — Data Link

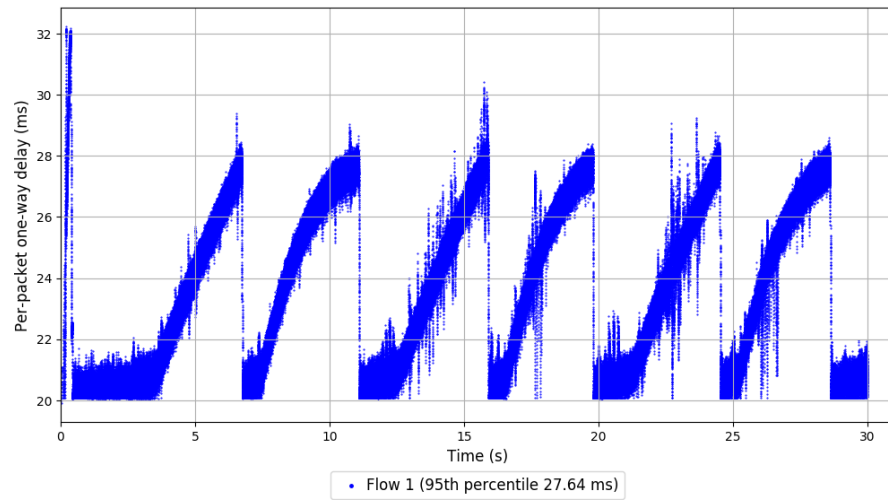
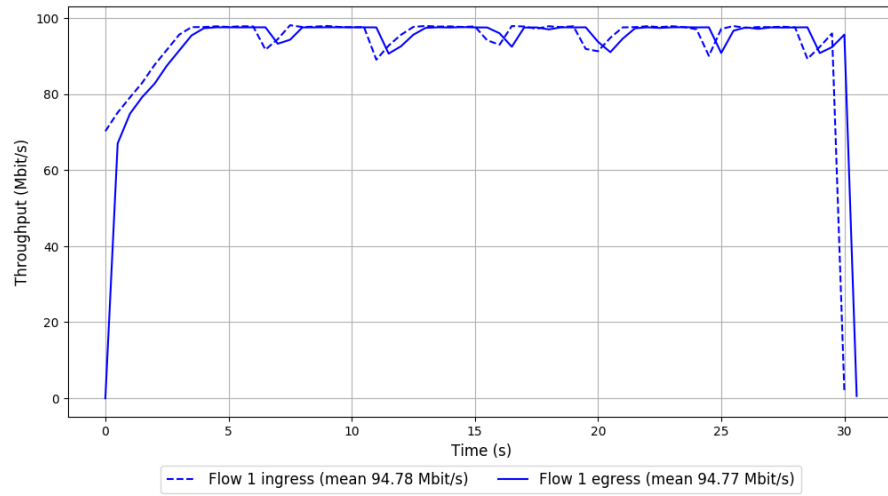


Run 4: Statistics of TCP Cubic

Start at: 2018-07-25 00:55:20
End at: 2018-07-25 00:55:50
Local clock offset: 1.184 ms
Remote clock offset: -10.582 ms

Below is generated by plot.py at 2018-07-25 03:04:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.77 Mbit/s
95th percentile per-packet one-way delay: 27.636 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 94.77 Mbit/s
95th percentile per-packet one-way delay: 27.636 ms
Loss rate: 0.10%

Run 4: Report of TCP Cubic — Data Link

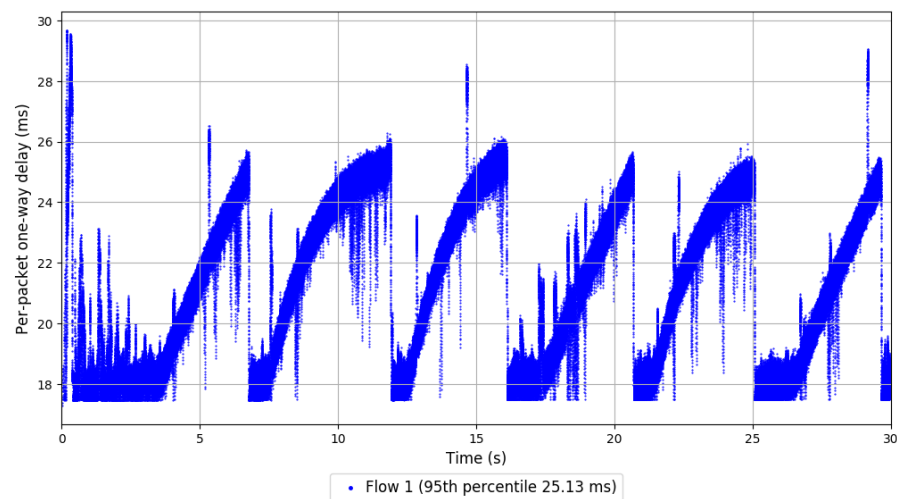
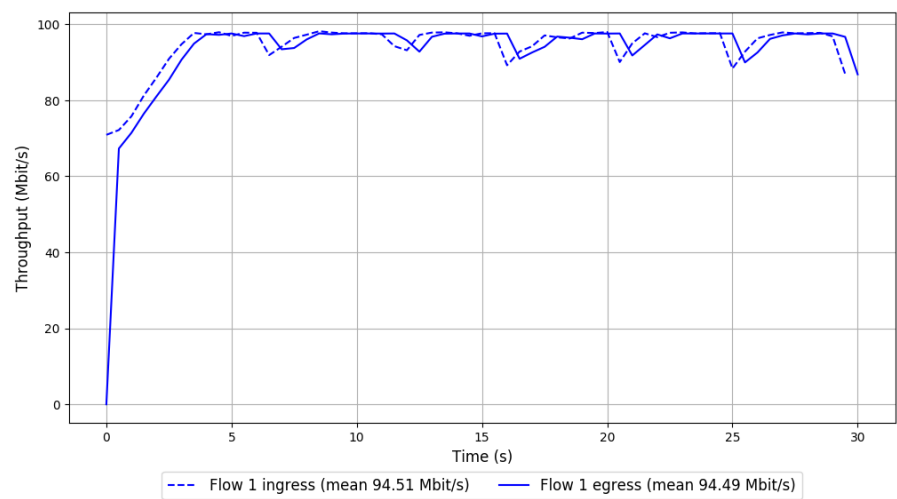


Run 5: Statistics of TCP Cubic

Start at: 2018-07-25 01:15:13
End at: 2018-07-25 01:15:43
Local clock offset: -2.084 ms
Remote clock offset: -9.626 ms

Below is generated by plot.py at 2018-07-25 03:05:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.49 Mbit/s
95th percentile per-packet one-way delay: 25.127 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 94.49 Mbit/s
95th percentile per-packet one-way delay: 25.127 ms
Loss rate: 0.10%

Run 5: Report of TCP Cubic — Data Link

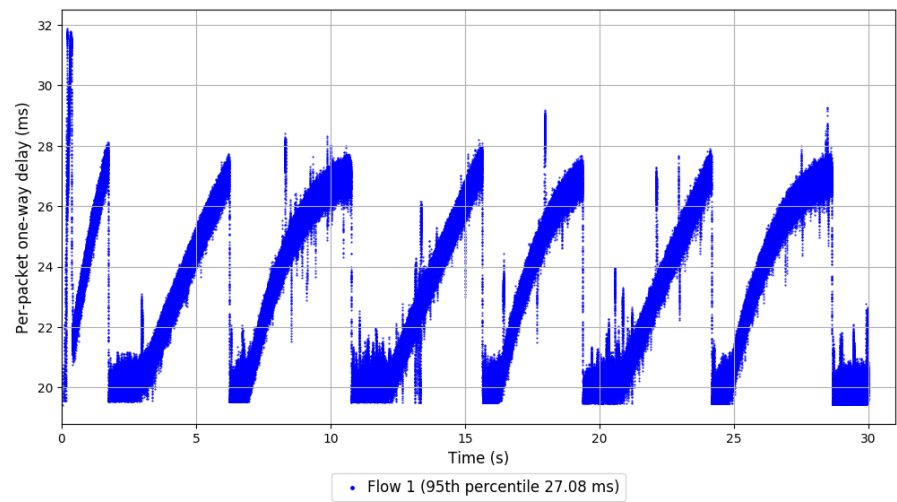
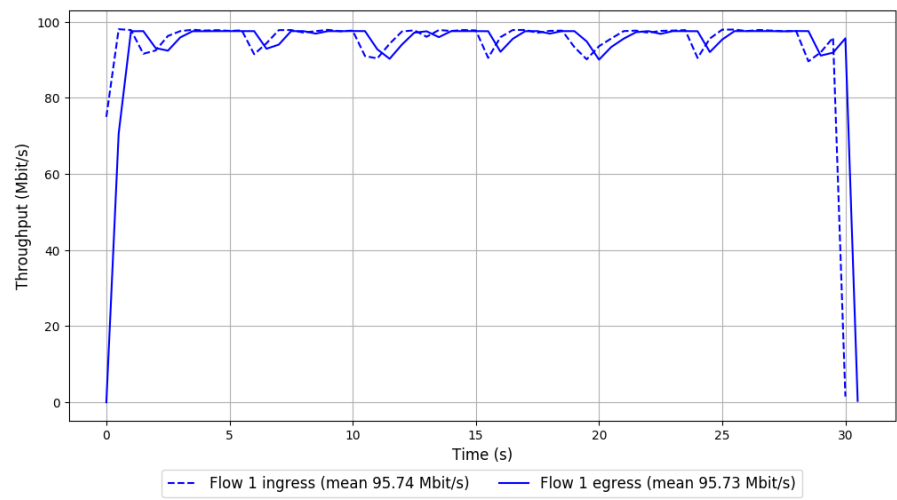


Run 6: Statistics of TCP Cubic

Start at: 2018-07-25 01:35:21
End at: 2018-07-25 01:35:51
Local clock offset: 1.473 ms
Remote clock offset: -8.627 ms

Below is generated by plot.py at 2018-07-25 03:05:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.73 Mbit/s
95th percentile per-packet one-way delay: 27.077 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 95.73 Mbit/s
95th percentile per-packet one-way delay: 27.077 ms
Loss rate: 0.09%

Run 6: Report of TCP Cubic — Data Link

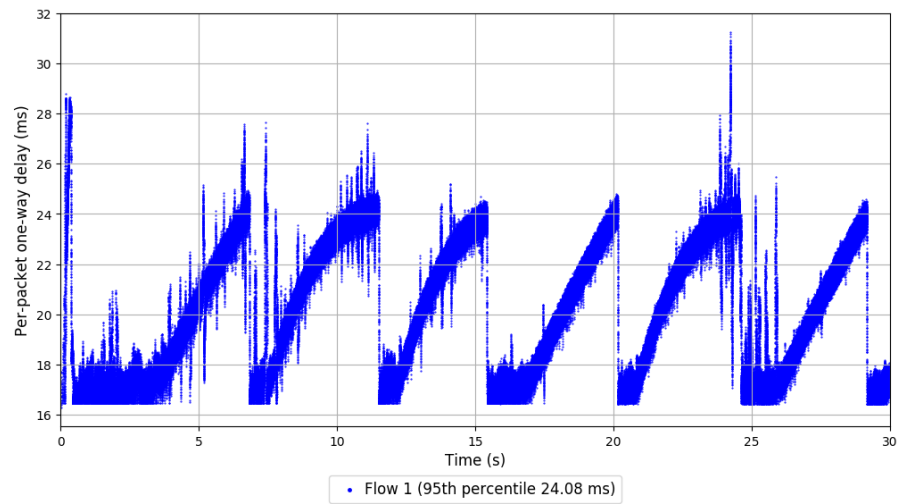
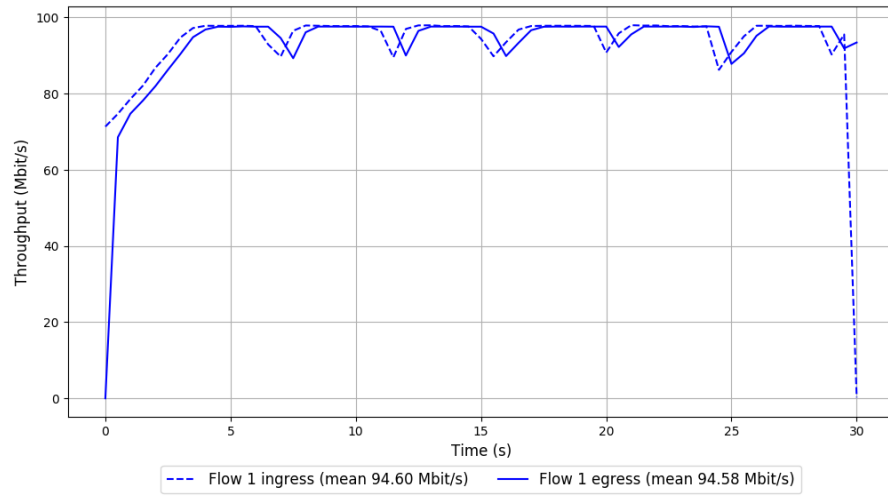


Run 7: Statistics of TCP Cubic

Start at: 2018-07-25 01:55:36
End at: 2018-07-25 01:56:06
Local clock offset: -0.161 ms
Remote clock offset: -9.951 ms

Below is generated by plot.py at 2018-07-25 03:05:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.58 Mbit/s
95th percentile per-packet one-way delay: 24.076 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 94.58 Mbit/s
95th percentile per-packet one-way delay: 24.076 ms
Loss rate: 0.10%

Run 7: Report of TCP Cubic — Data Link

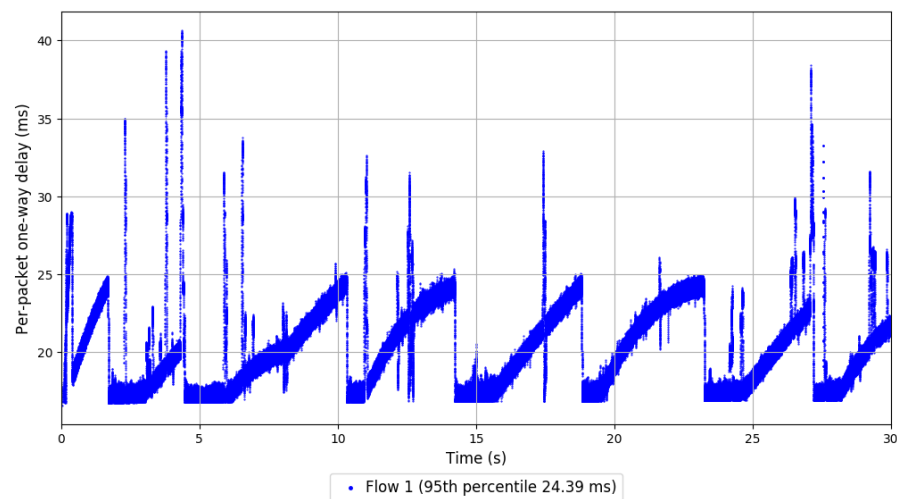
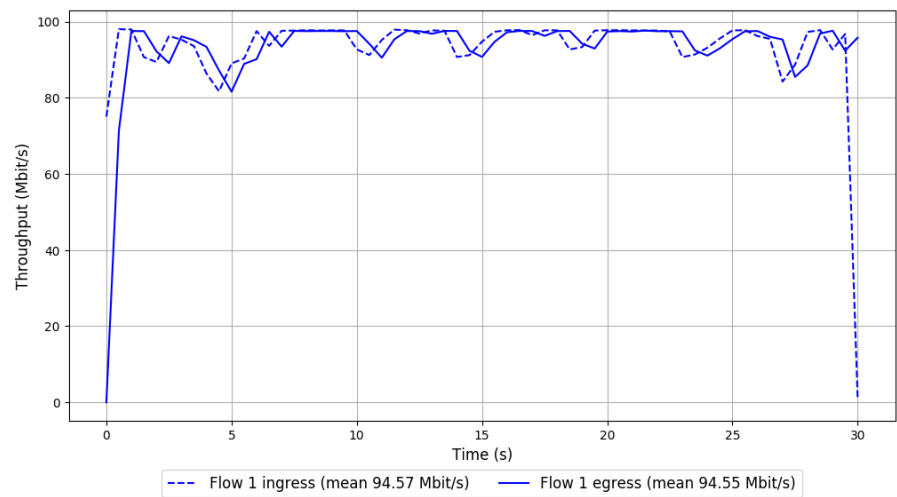


Run 8: Statistics of TCP Cubic

Start at: 2018-07-25 02:15:38
End at: 2018-07-25 02:16:09
Local clock offset: -0.507 ms
Remote clock offset: -7.182 ms

Below is generated by plot.py at 2018-07-25 03:05:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.55 Mbit/s
95th percentile per-packet one-way delay: 24.389 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 94.55 Mbit/s
95th percentile per-packet one-way delay: 24.389 ms
Loss rate: 0.11%

Run 8: Report of TCP Cubic — Data Link

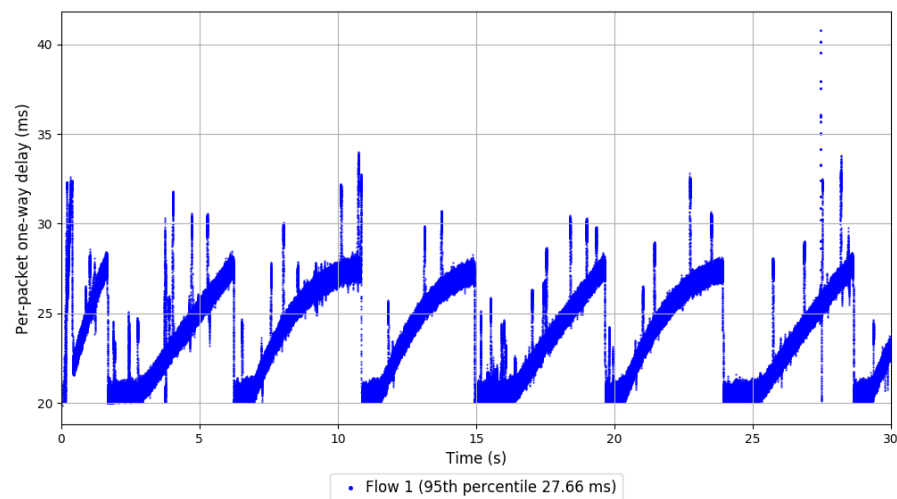
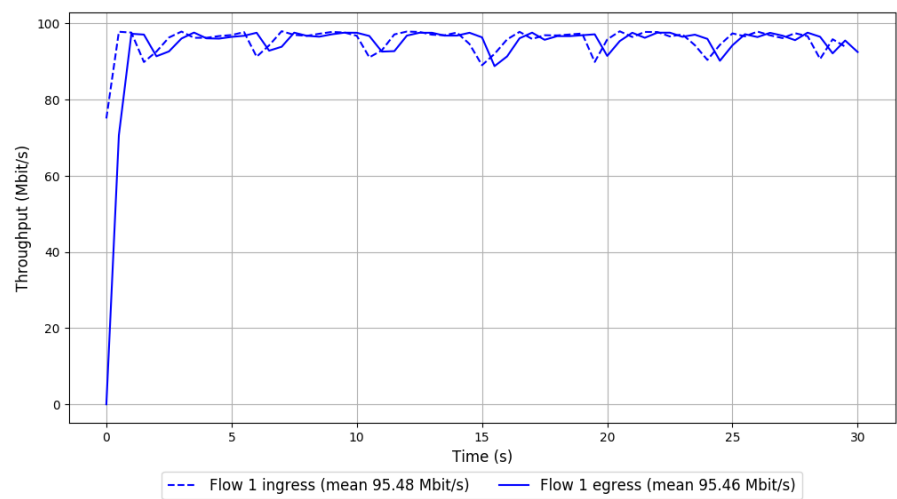


Run 9: Statistics of TCP Cubic

Start at: 2018-07-25 02:35:51
End at: 2018-07-25 02:36:21
Local clock offset: 2.614 ms
Remote clock offset: -3.131 ms

Below is generated by plot.py at 2018-07-25 03:05:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.46 Mbit/s
95th percentile per-packet one-way delay: 27.656 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 95.46 Mbit/s
95th percentile per-packet one-way delay: 27.656 ms
Loss rate: 0.10%

Run 9: Report of TCP Cubic — Data Link

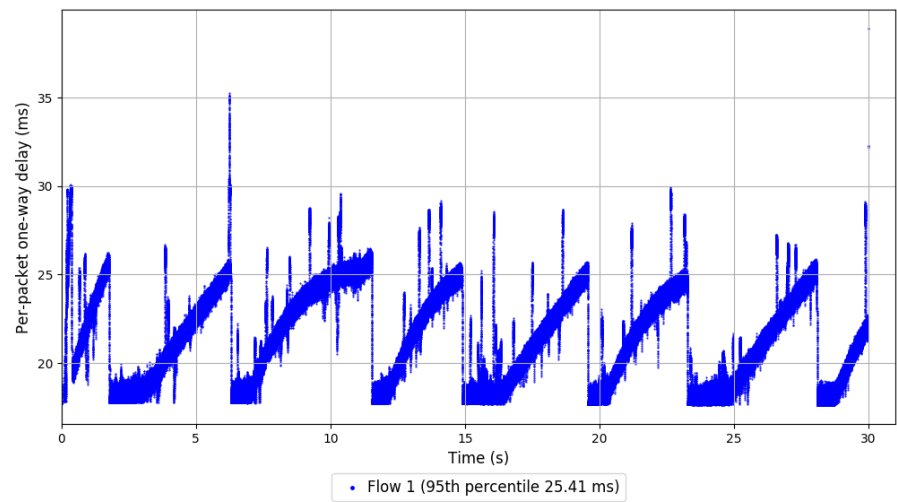
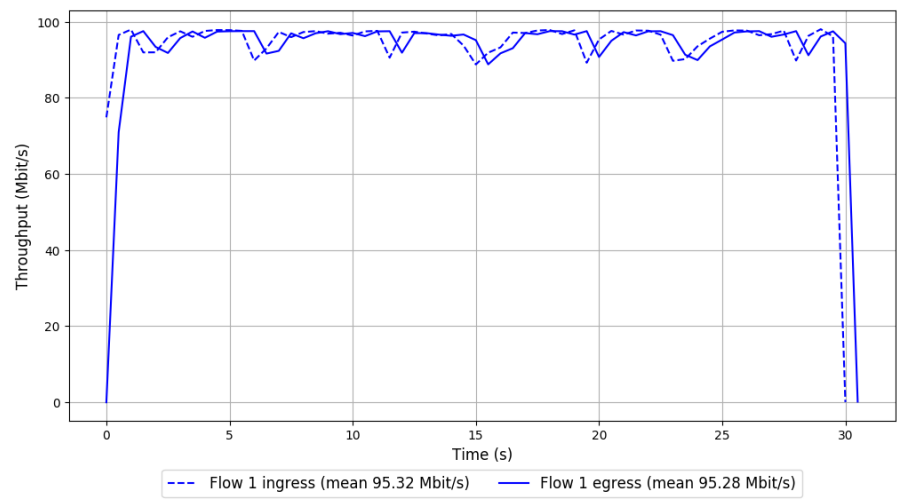


Run 10: Statistics of TCP Cubic

Start at: 2018-07-25 02:56:07
End at: 2018-07-25 02:56:37
Local clock offset: -0.788 ms
Remote clock offset: -11.141 ms

Below is generated by plot.py at 2018-07-25 03:05:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.28 Mbit/s
95th percentile per-packet one-way delay: 25.414 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 95.28 Mbit/s
95th percentile per-packet one-way delay: 25.414 ms
Loss rate: 0.11%

Run 10: Report of TCP Cubic — Data Link

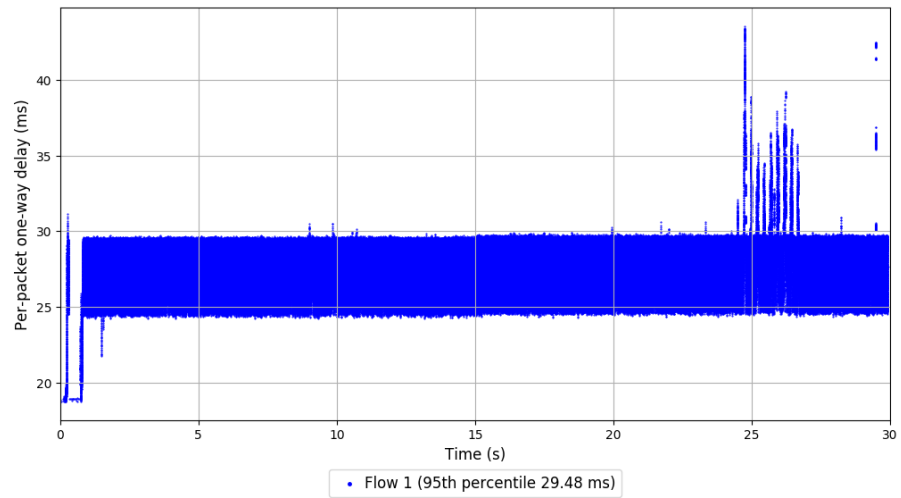
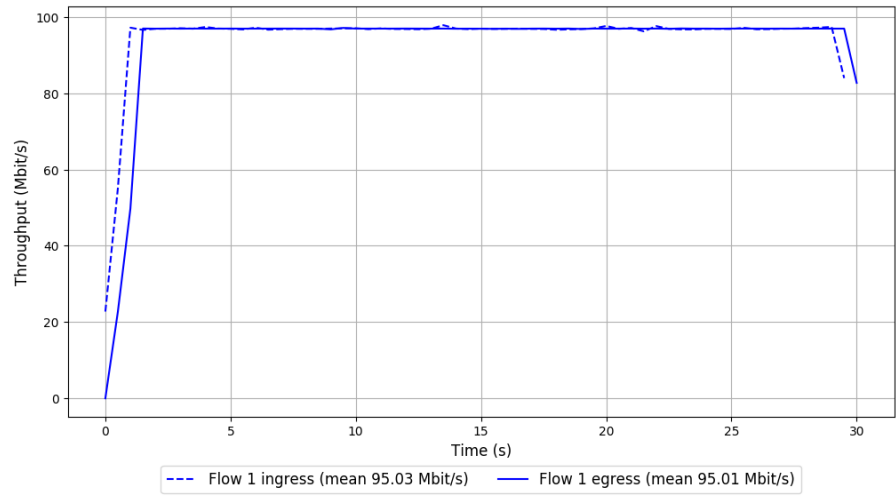


Run 1: Statistics of FillP

Start at: 2018-07-24 23:51:57
End at: 2018-07-24 23:52:27
Local clock offset: 0.82 ms
Remote clock offset: -5.044 ms

Below is generated by plot.py at 2018-07-25 03:06:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.01 Mbit/s
95th percentile per-packet one-way delay: 29.479 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 95.01 Mbit/s
95th percentile per-packet one-way delay: 29.479 ms
Loss rate: 0.12%

Run 1: Report of FillP — Data Link

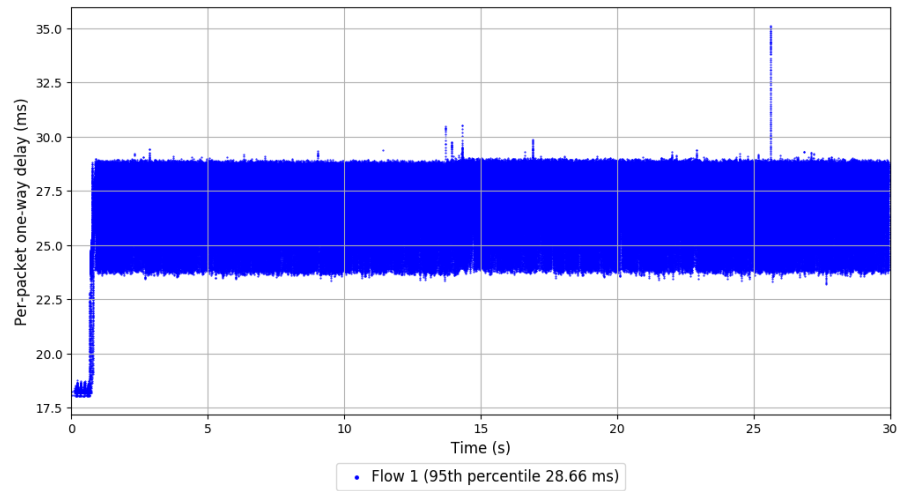
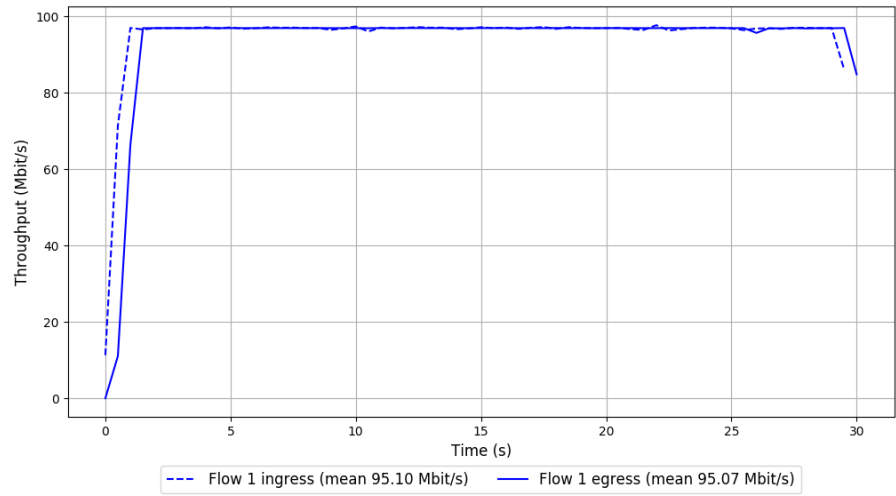


Run 2: Statistics of FillP

Start at: 2018-07-25 00:11:38
End at: 2018-07-25 00:12:08
Local clock offset: -0.238 ms
Remote clock offset: -15.023 ms

Below is generated by plot.py at 2018-07-25 03:06:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.07 Mbit/s
95th percentile per-packet one-way delay: 28.659 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 95.07 Mbit/s
95th percentile per-packet one-way delay: 28.659 ms
Loss rate: 0.12%

Run 2: Report of FillP — Data Link

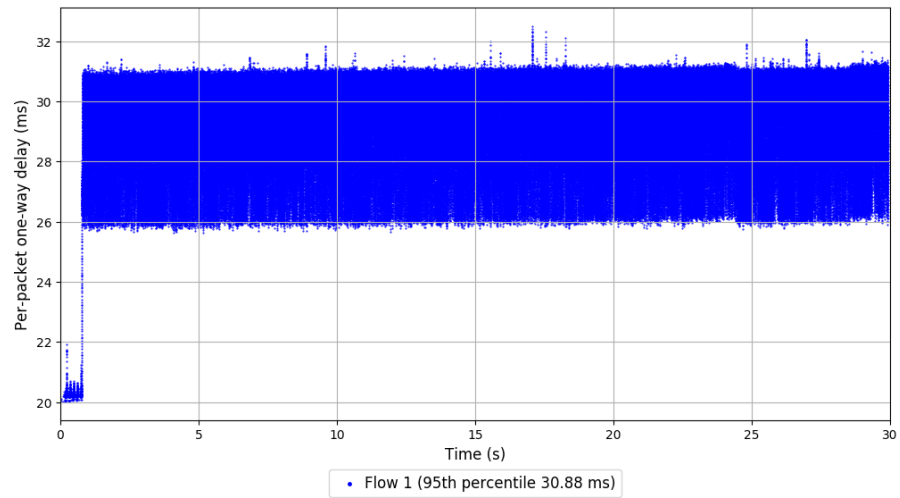
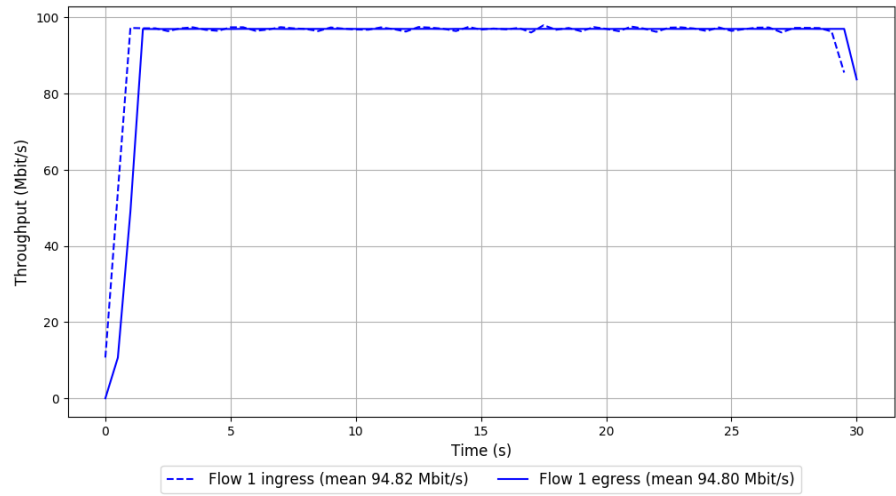


Run 3: Statistics of FillP

Start at: 2018-07-25 00:31:38
End at: 2018-07-25 00:32:08
Local clock offset: 1.337 ms
Remote clock offset: -15.171 ms

Below is generated by plot.py at 2018-07-25 03:06:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.80 Mbit/s
95th percentile per-packet one-way delay: 30.876 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 94.80 Mbit/s
95th percentile per-packet one-way delay: 30.876 ms
Loss rate: 0.12%

Run 3: Report of FillP — Data Link

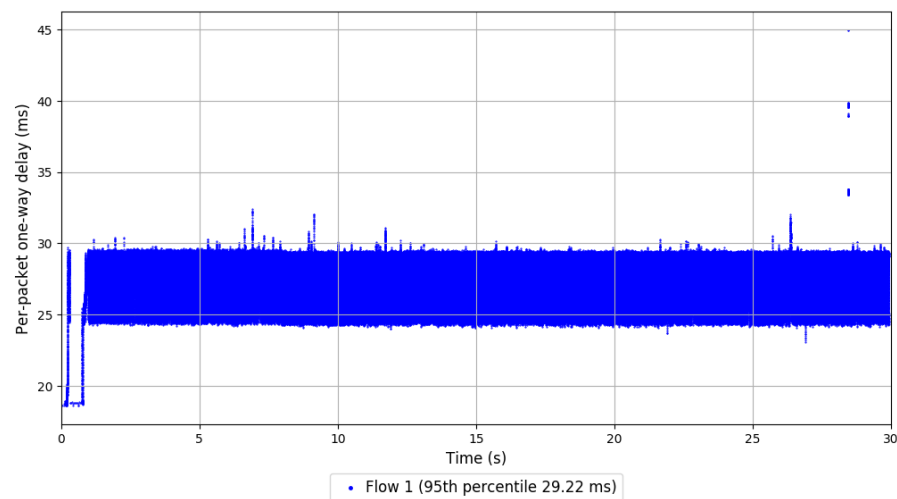
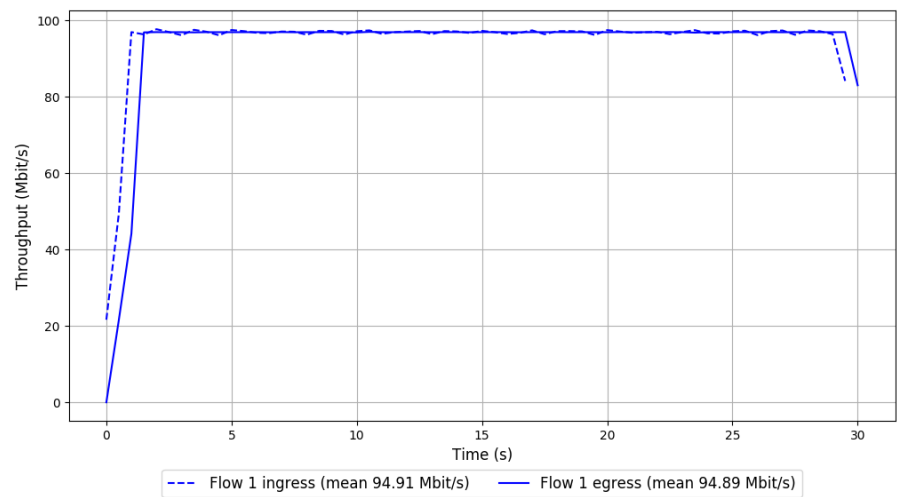


Run 4: Statistics of FillP

Start at: 2018-07-25 00:51:44
End at: 2018-07-25 00:52:14
Local clock offset: 0.204 ms
Remote clock offset: -10.386 ms

Below is generated by plot.py at 2018-07-25 03:06:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.89 Mbit/s
95th percentile per-packet one-way delay: 29.222 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 94.89 Mbit/s
95th percentile per-packet one-way delay: 29.222 ms
Loss rate: 0.11%

Run 4: Report of FillP — Data Link

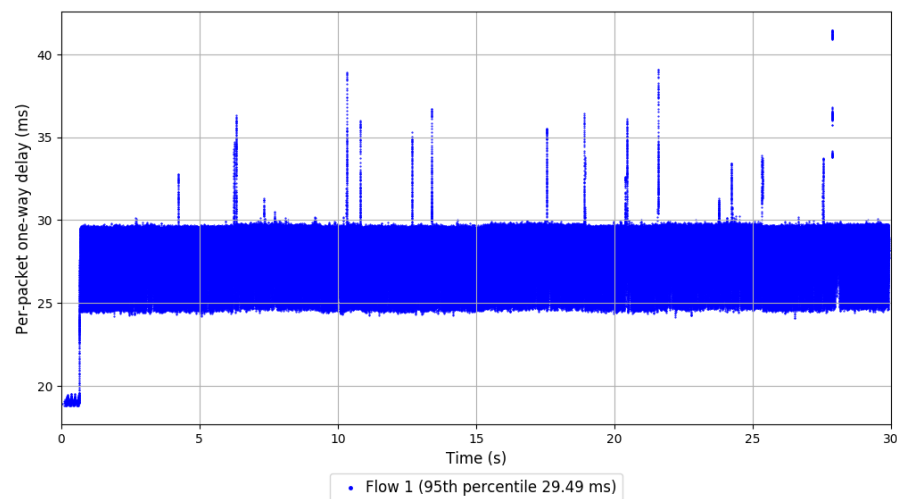
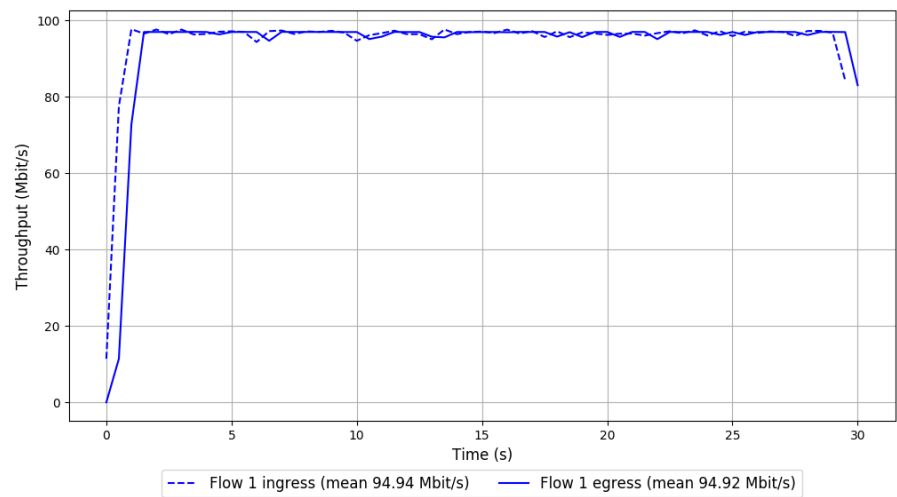


Run 5: Statistics of FillP

Start at: 2018-07-25 01:11:41
End at: 2018-07-25 01:12:11
Local clock offset: -0.307 ms
Remote clock offset: -9.569 ms

Below is generated by plot.py at 2018-07-25 03:06:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.92 Mbit/s
95th percentile per-packet one-way delay: 29.494 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 94.92 Mbit/s
95th percentile per-packet one-way delay: 29.494 ms
Loss rate: 0.12%

Run 5: Report of FillP — Data Link

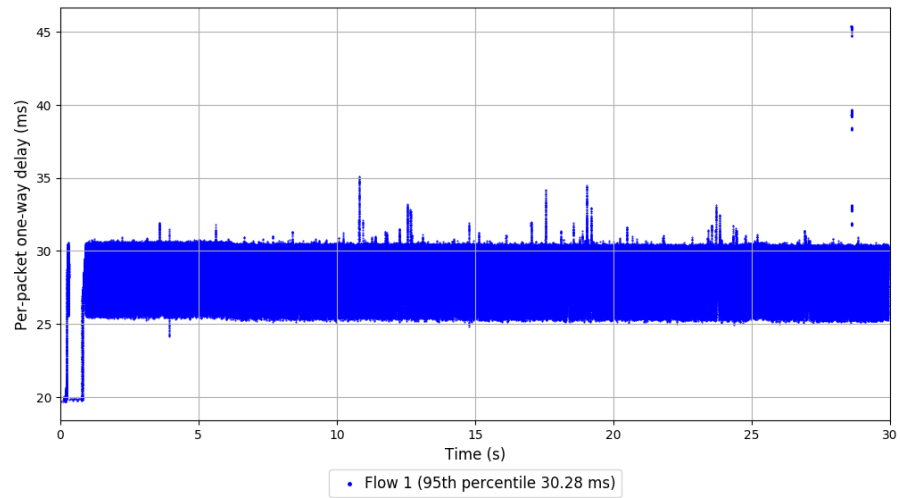
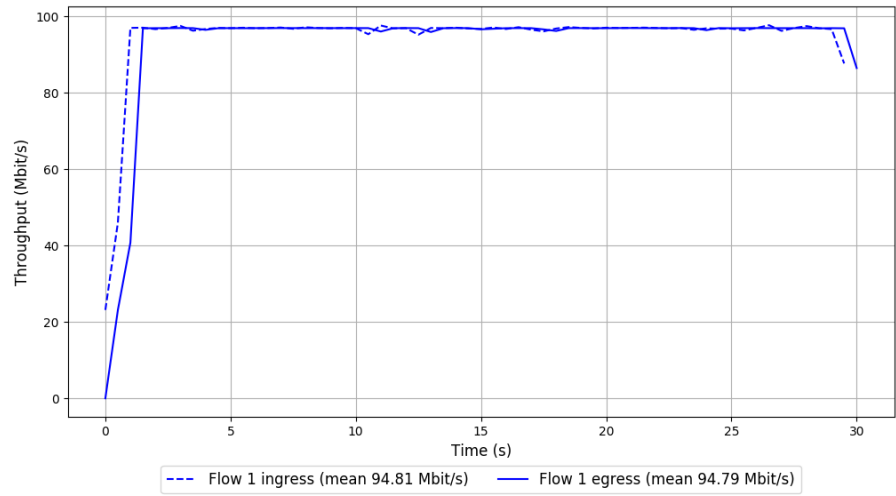


Run 6: Statistics of FillP

Start at: 2018-07-25 01:31:44
End at: 2018-07-25 01:32:14
Local clock offset: 0.607 ms
Remote clock offset: -8.925 ms

Below is generated by plot.py at 2018-07-25 03:06:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.79 Mbit/s
95th percentile per-packet one-way delay: 30.280 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 94.79 Mbit/s
95th percentile per-packet one-way delay: 30.280 ms
Loss rate: 0.12%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-25 01:52:00

End at: 2018-07-25 01:52:30

Local clock offset: 2.087 ms

Remote clock offset: -9.81 ms

Below is generated by plot.py at 2018-07-25 03:06:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.17 Mbit/s

95th percentile per-packet one-way delay: 29.305 ms

Loss rate: 0.14%

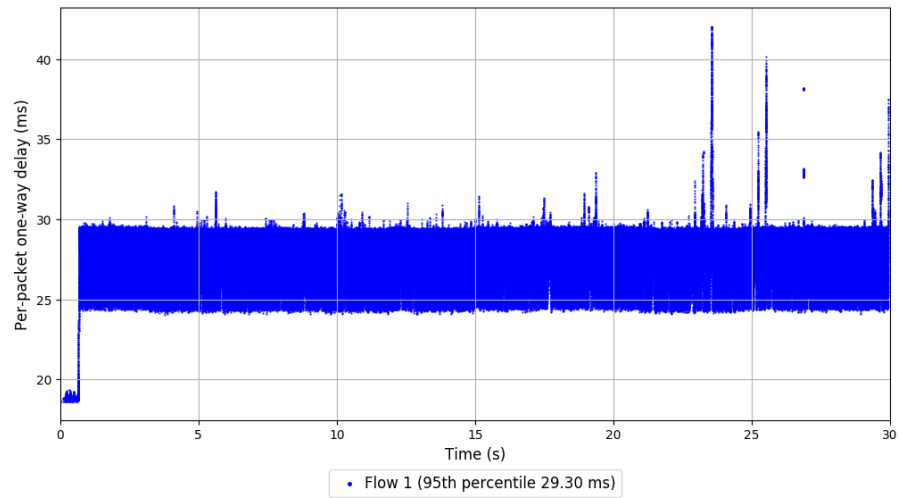
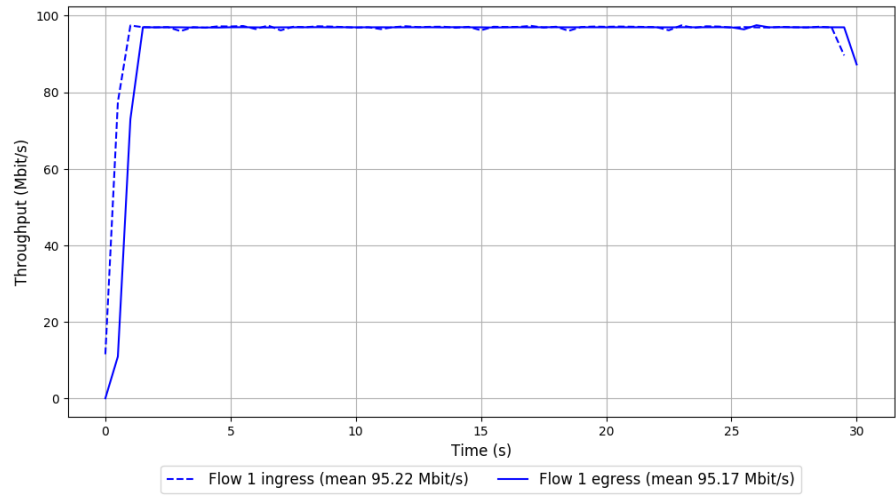
-- Flow 1:

Average throughput: 95.17 Mbit/s

95th percentile per-packet one-way delay: 29.305 ms

Loss rate: 0.14%

Run 7: Report of FillP — Data Link

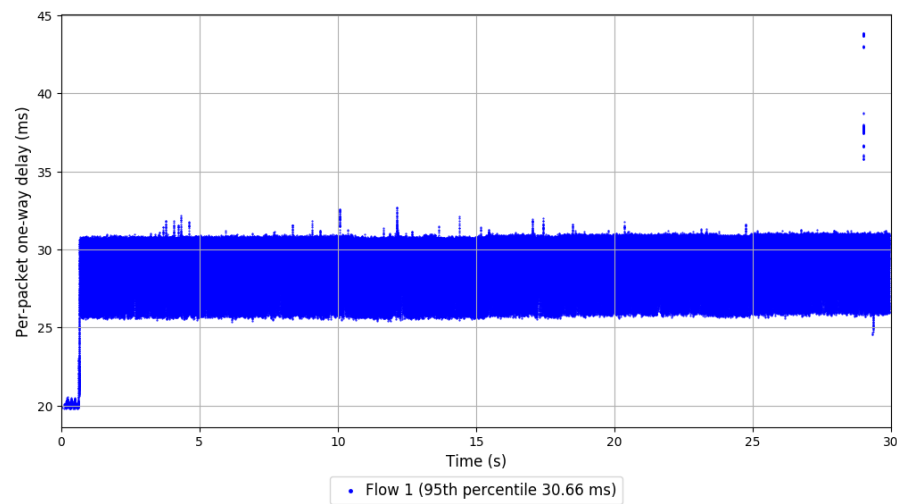
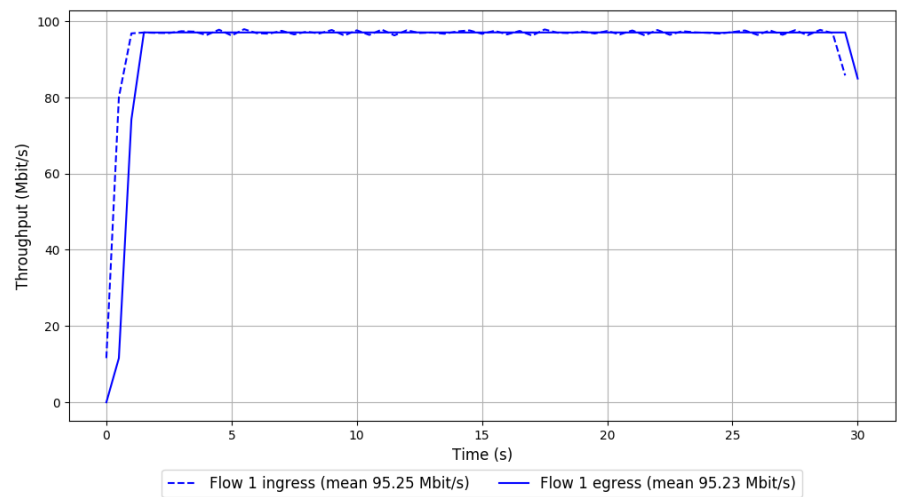


Run 8: Statistics of FillP

Start at: 2018-07-25 02:12:07
End at: 2018-07-25 02:12:37
Local clock offset: 2.179 ms
Remote clock offset: -9.379 ms

Below is generated by plot.py at 2018-07-25 03:06:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.23 Mbit/s
95th percentile per-packet one-way delay: 30.665 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 95.23 Mbit/s
95th percentile per-packet one-way delay: 30.665 ms
Loss rate: 0.11%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-25 02:32:10

End at: 2018-07-25 02:32:40

Local clock offset: -1.134 ms

Remote clock offset: -4.04 ms

Below is generated by plot.py at 2018-07-25 03:07:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.33 Mbit/s

95th percentile per-packet one-way delay: 46.628 ms

Loss rate: 0.12%

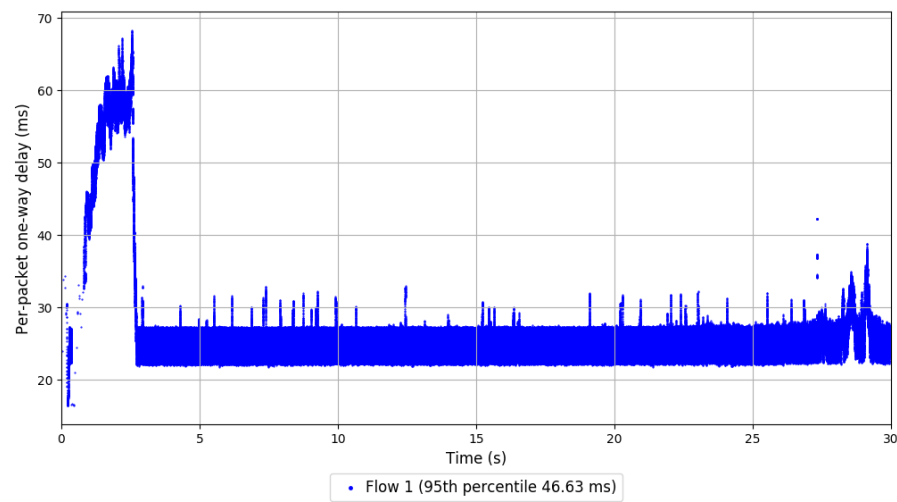
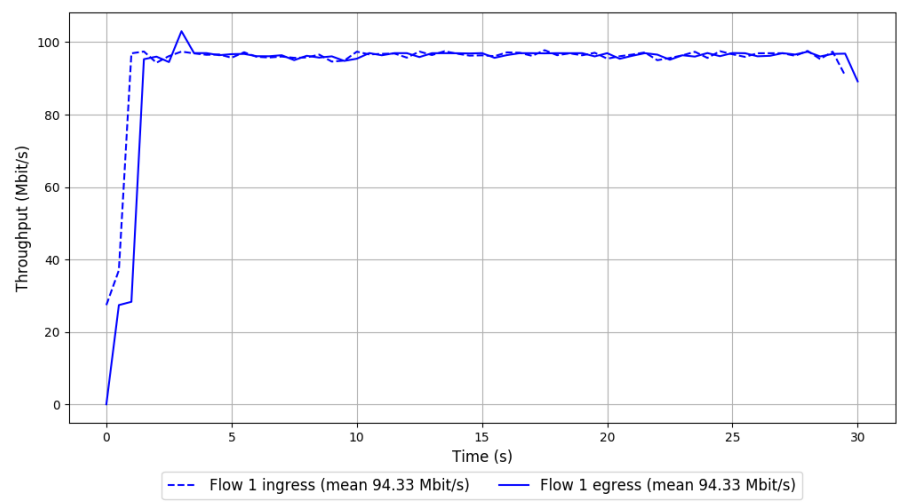
-- Flow 1:

Average throughput: 94.33 Mbit/s

95th percentile per-packet one-way delay: 46.628 ms

Loss rate: 0.12%

Run 9: Report of FillP — Data Link

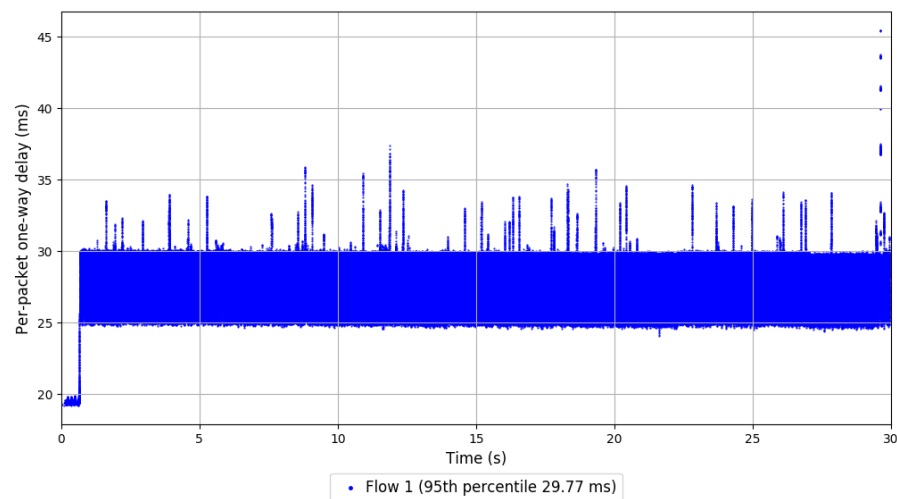
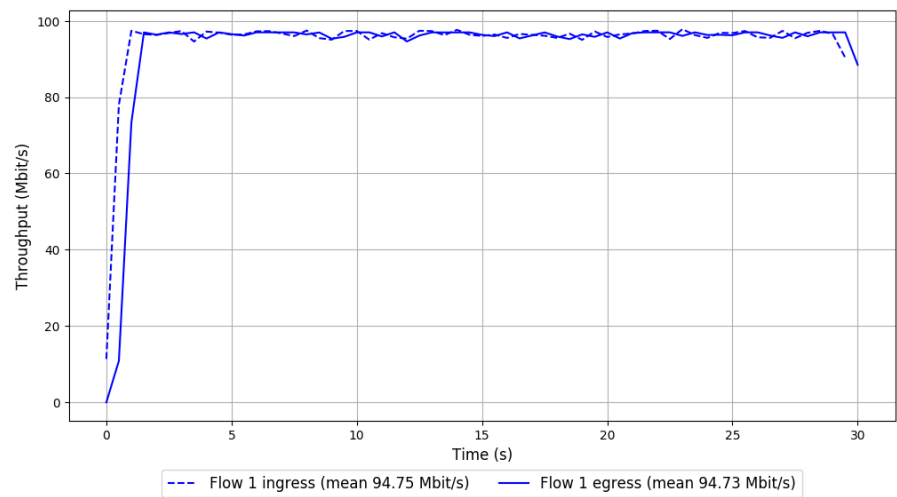


Run 10: Statistics of FillP

Start at: 2018-07-25 02:52:27
End at: 2018-07-25 02:52:57
Local clock offset: 1.431 ms
Remote clock offset: -8.911 ms

Below is generated by plot.py at 2018-07-25 03:07:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.73 Mbit/s
95th percentile per-packet one-way delay: 29.766 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 94.73 Mbit/s
95th percentile per-packet one-way delay: 29.766 ms
Loss rate: 0.12%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-24 23:41:27

End at: 2018-07-24 23:41:57

Local clock offset: 0.244 ms

Remote clock offset: -4.739 ms

Below is generated by plot.py at 2018-07-25 03:07:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.06 Mbit/s

95th percentile per-packet one-way delay: 27.290 ms

Loss rate: 0.11%

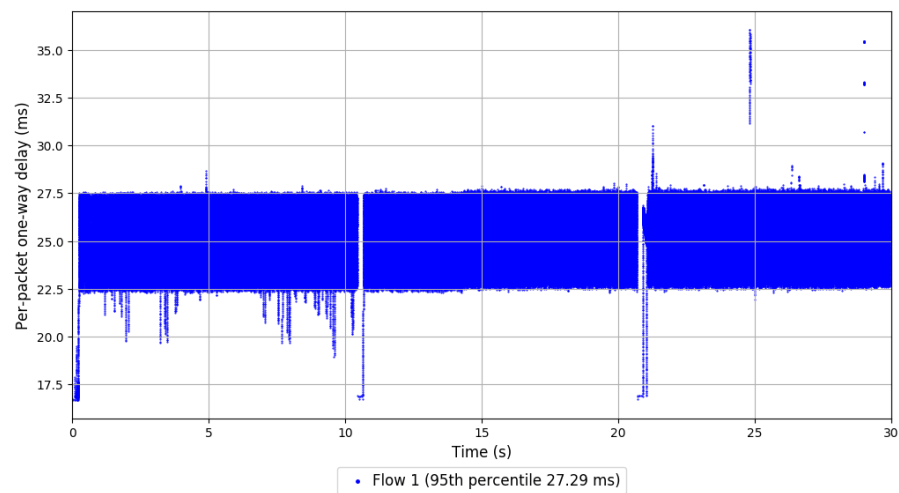
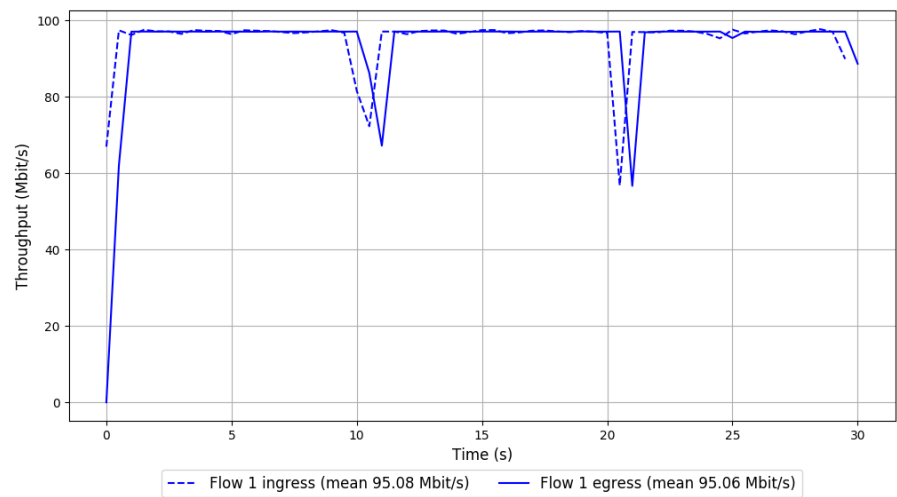
-- Flow 1:

Average throughput: 95.06 Mbit/s

95th percentile per-packet one-way delay: 27.290 ms

Loss rate: 0.11%

Run 1: Report of FillP-Sheep — Data Link

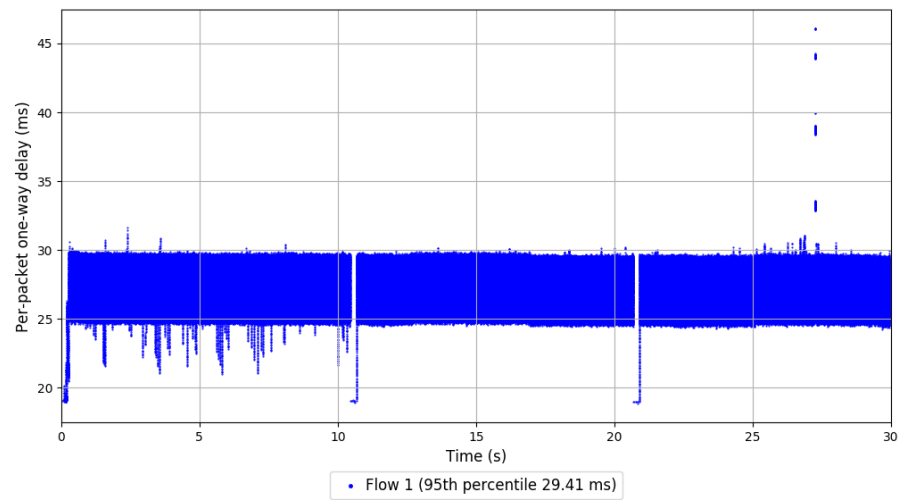
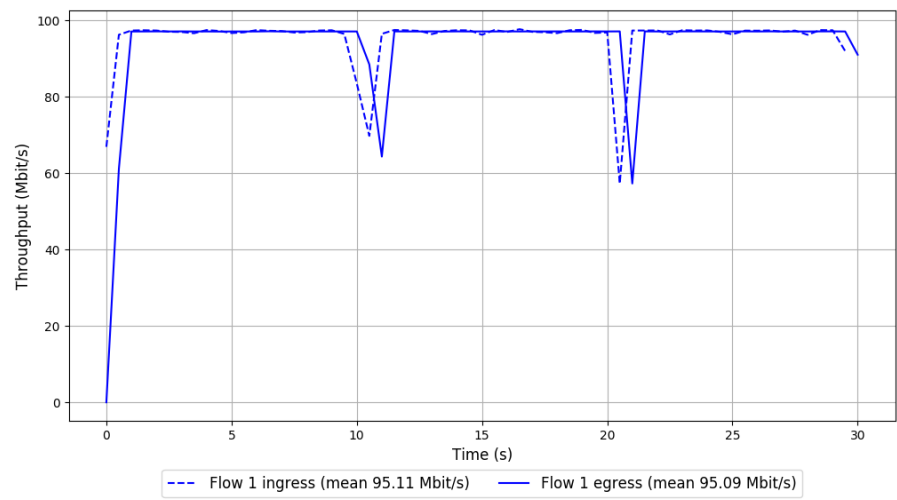


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-25 00:01:02
End at: 2018-07-25 00:01:32
Local clock offset: 1.552 ms
Remote clock offset: -10.429 ms

Below is generated by plot.py at 2018-07-25 03:07:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.09 Mbit/s
95th percentile per-packet one-way delay: 29.409 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 95.09 Mbit/s
95th percentile per-packet one-way delay: 29.409 ms
Loss rate: 0.11%

Run 2: Report of FillP-Sheep — Data Link

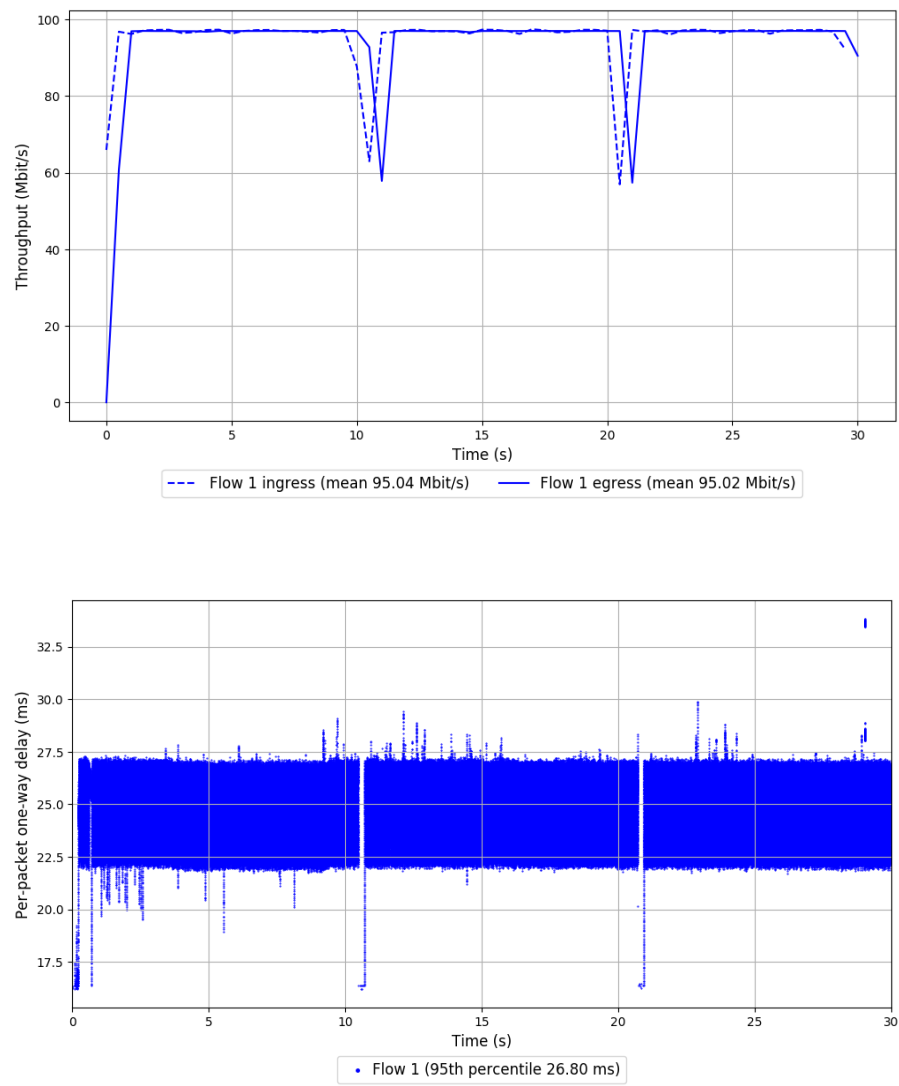


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-25 00:20:54
End at: 2018-07-25 00:21:24
Local clock offset: -1.516 ms
Remote clock offset: -16.313 ms

Below is generated by plot.py at 2018-07-25 03:07:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.02 Mbit/s
95th percentile per-packet one-way delay: 26.803 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 95.02 Mbit/s
95th percentile per-packet one-way delay: 26.803 ms
Loss rate: 0.12%

Run 3: Report of FillP-Sheep — Data Link

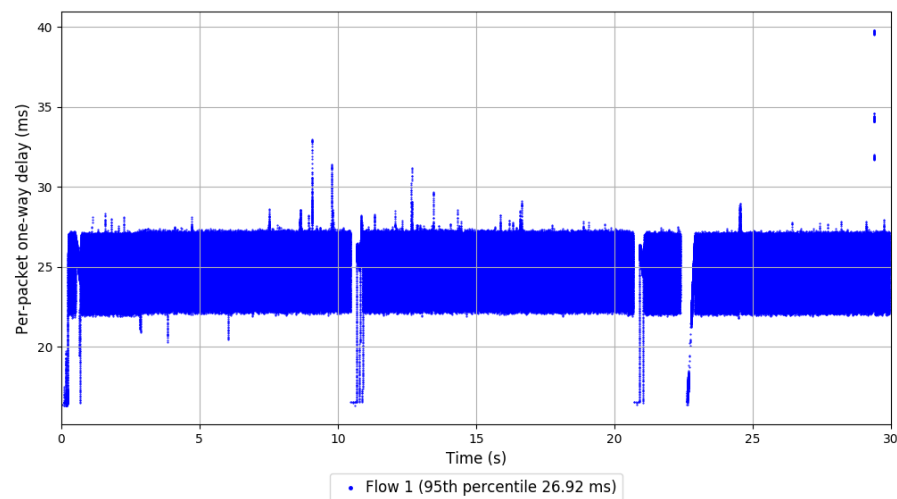
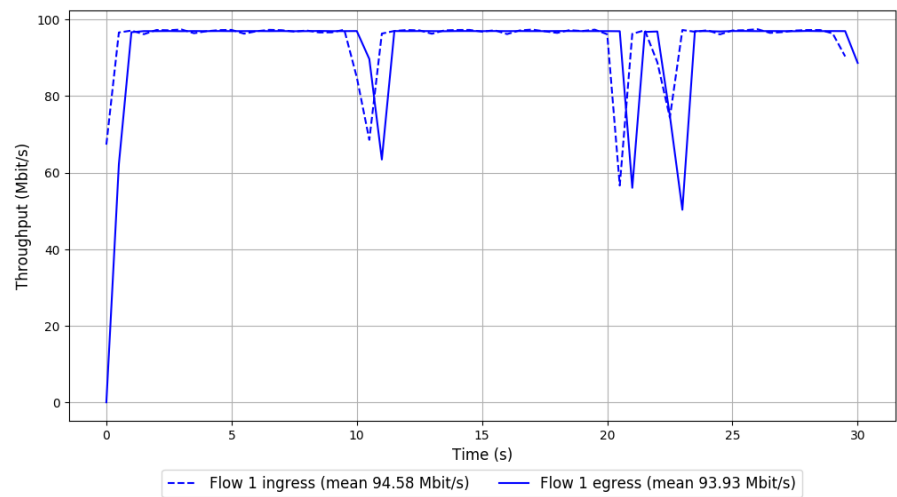


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-25 00:41:03
End at: 2018-07-25 00:41:33
Local clock offset: -1.794 ms
Remote clock offset: -11.197 ms

Below is generated by plot.py at 2018-07-25 03:07:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.93 Mbit/s
95th percentile per-packet one-way delay: 26.922 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 93.93 Mbit/s
95th percentile per-packet one-way delay: 26.922 ms
Loss rate: 0.78%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-25 01:01:03

End at: 2018-07-25 01:01:33

Local clock offset: -0.874 ms

Remote clock offset: -10.644 ms

Below is generated by plot.py at 2018-07-25 03:08:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.77 Mbit/s

95th percentile per-packet one-way delay: 28.583 ms

Loss rate: 0.12%

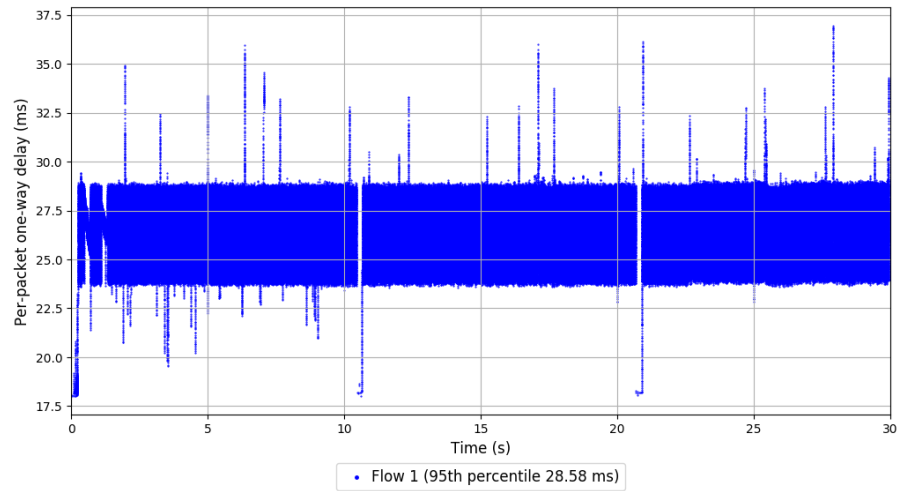
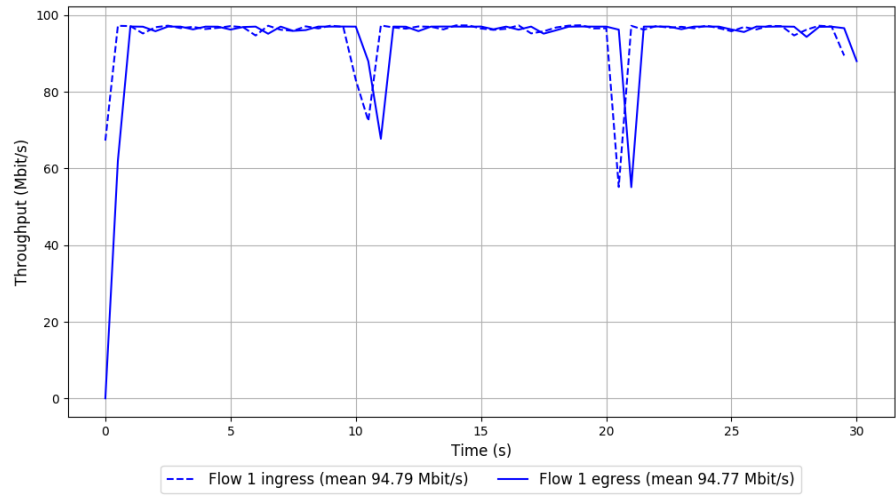
-- Flow 1:

Average throughput: 94.77 Mbit/s

95th percentile per-packet one-way delay: 28.583 ms

Loss rate: 0.12%

Run 5: Report of FillP-Sheep — Data Link

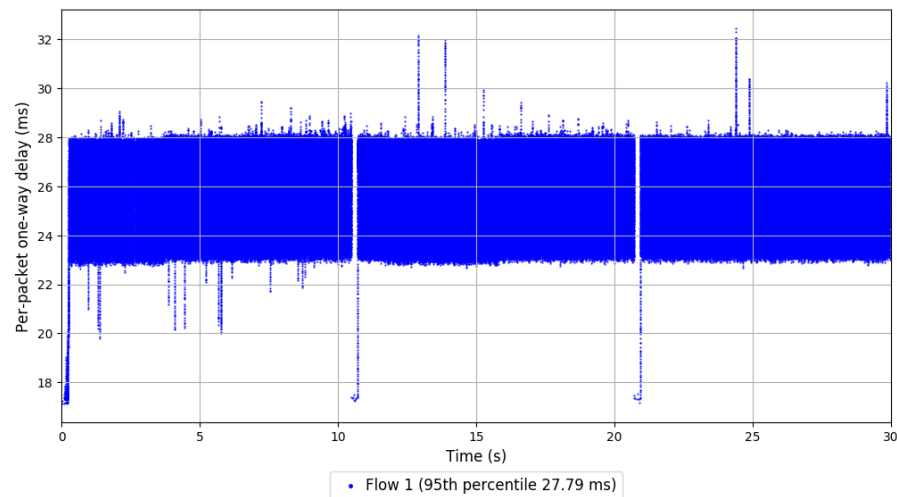
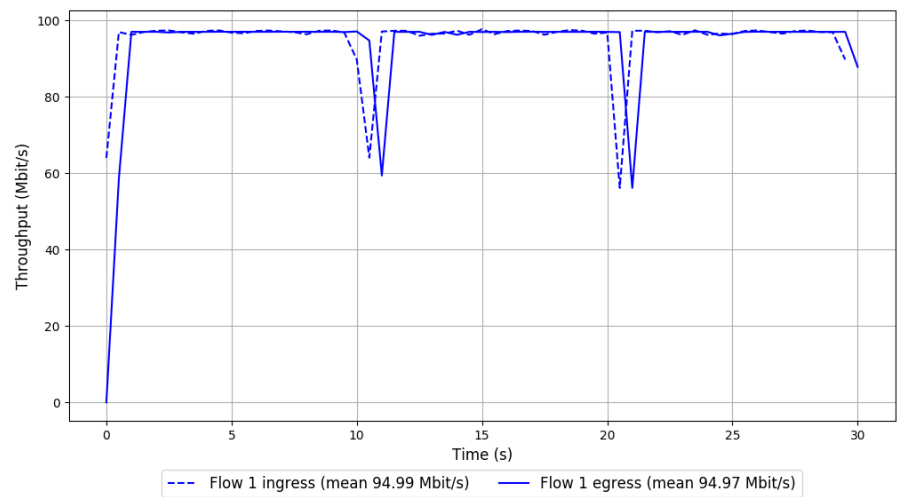


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-25 01:20:57
End at: 2018-07-25 01:21:27
Local clock offset: -1.795 ms
Remote clock offset: -8.928 ms

Below is generated by plot.py at 2018-07-25 03:08:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.97 Mbit/s
95th percentile per-packet one-way delay: 27.785 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 94.97 Mbit/s
95th percentile per-packet one-way delay: 27.785 ms
Loss rate: 0.12%

Run 6: Report of FillP-Sheep — Data Link

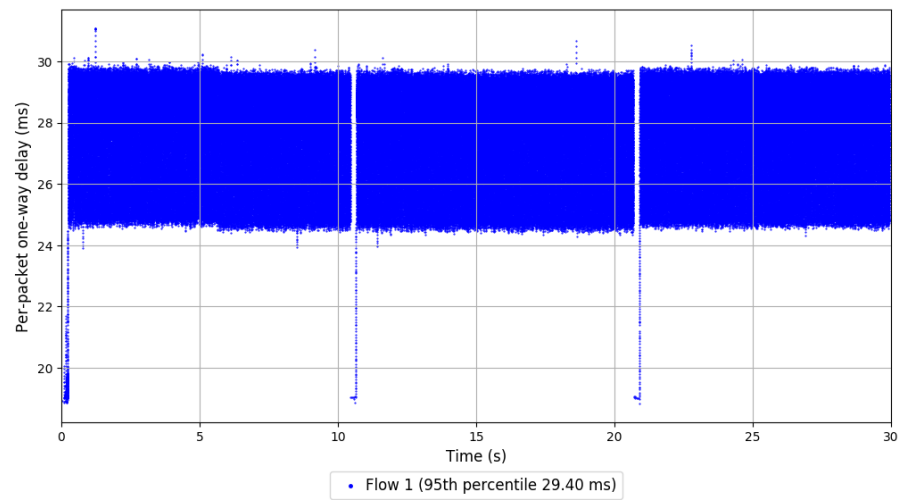
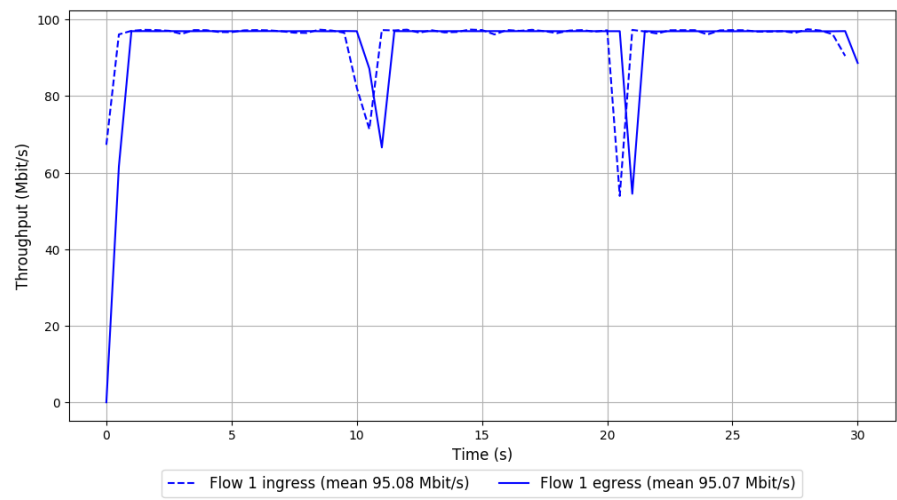


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-25 01:41:11
End at: 2018-07-25 01:41:41
Local clock offset: 1.447 ms
Remote clock offset: -9.508 ms

Below is generated by plot.py at 2018-07-25 03:09:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.07 Mbit/s
95th percentile per-packet one-way delay: 29.401 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 95.07 Mbit/s
95th percentile per-packet one-way delay: 29.401 ms
Loss rate: 0.12%

Run 7: Report of FillP-Sheep — Data Link

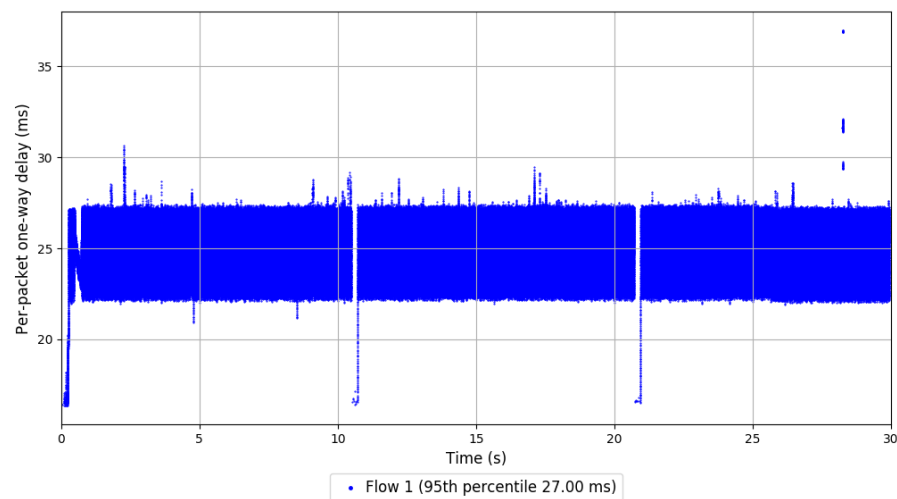
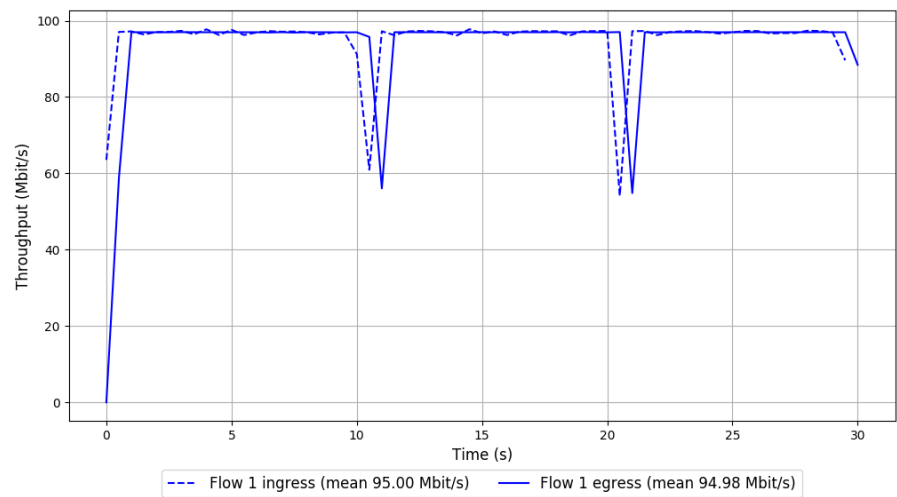


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-25 02:01:17
End at: 2018-07-25 02:01:47
Local clock offset: 0.483 ms
Remote clock offset: -9.641 ms

Below is generated by plot.py at 2018-07-25 03:09:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.98 Mbit/s
95th percentile per-packet one-way delay: 27.002 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 94.98 Mbit/s
95th percentile per-packet one-way delay: 27.002 ms
Loss rate: 0.11%

Run 8: Report of FillP-Sheep — Data Link

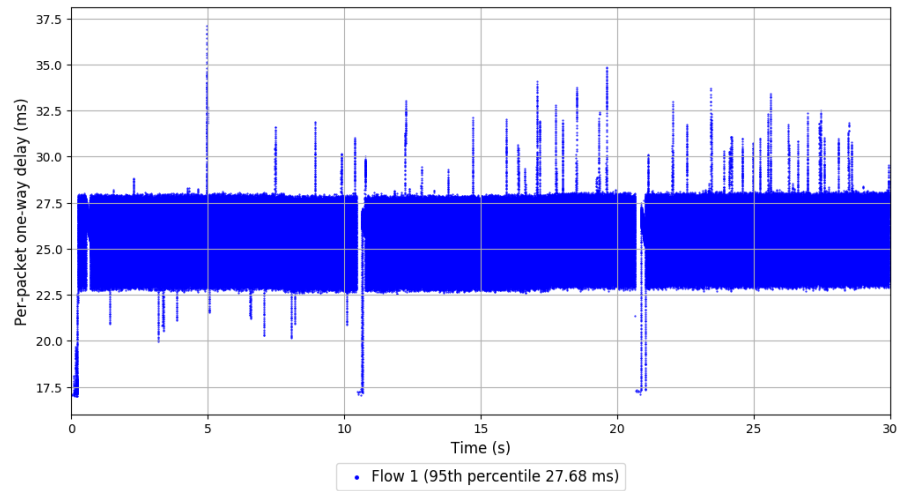
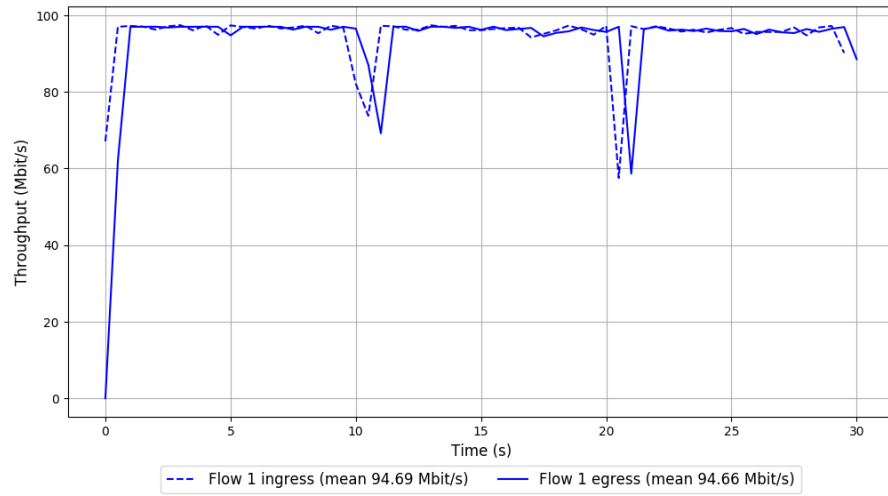


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-25 02:21:22
End at: 2018-07-25 02:21:52
Local clock offset: 0.022 ms
Remote clock offset: -5.309 ms

Below is generated by plot.py at 2018-07-25 03:09:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.66 Mbit/s
95th percentile per-packet one-way delay: 27.685 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 94.66 Mbit/s
95th percentile per-packet one-way delay: 27.685 ms
Loss rate: 0.12%

Run 9: Report of FillP-Sheep — Data Link

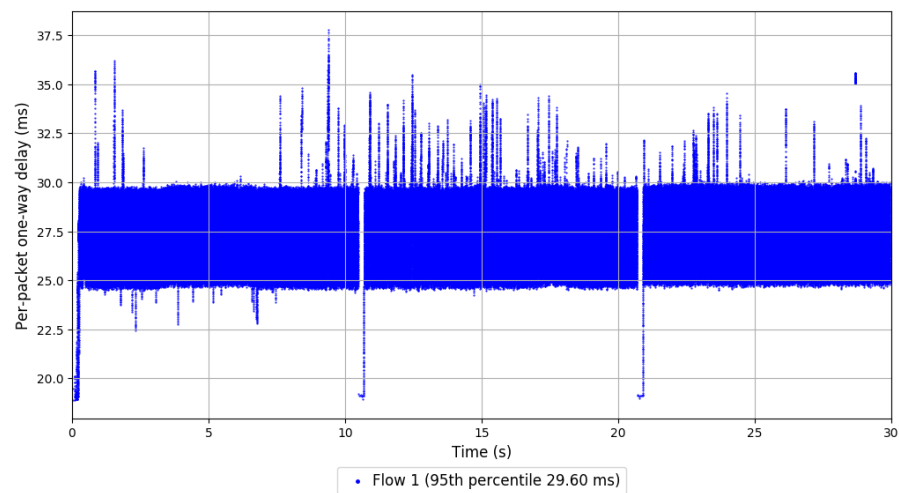
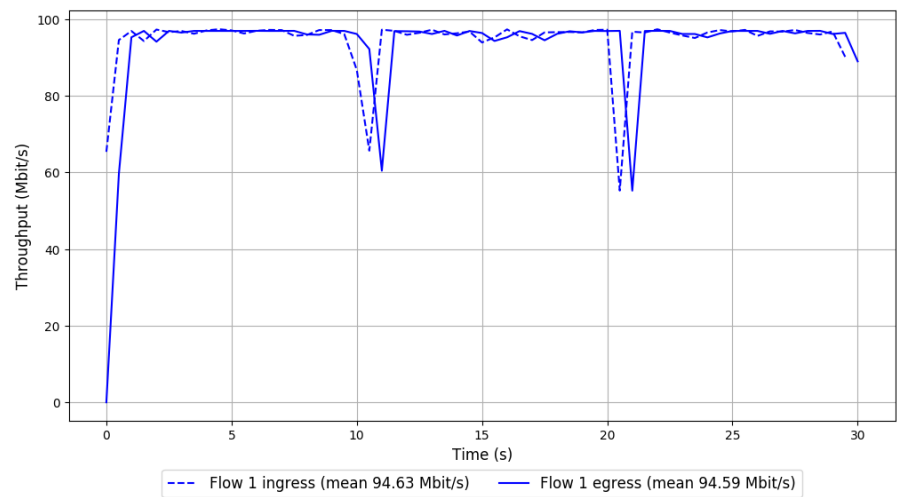


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-25 02:41:33
End at: 2018-07-25 02:42:03
Local clock offset: 1.21 ms
Remote clock offset: -2.865 ms

Below is generated by plot.py at 2018-07-25 03:09:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.59 Mbit/s
95th percentile per-packet one-way delay: 29.599 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 94.59 Mbit/s
95th percentile per-packet one-way delay: 29.599 ms
Loss rate: 0.12%

Run 10: Report of FillP-Sheep — Data Link

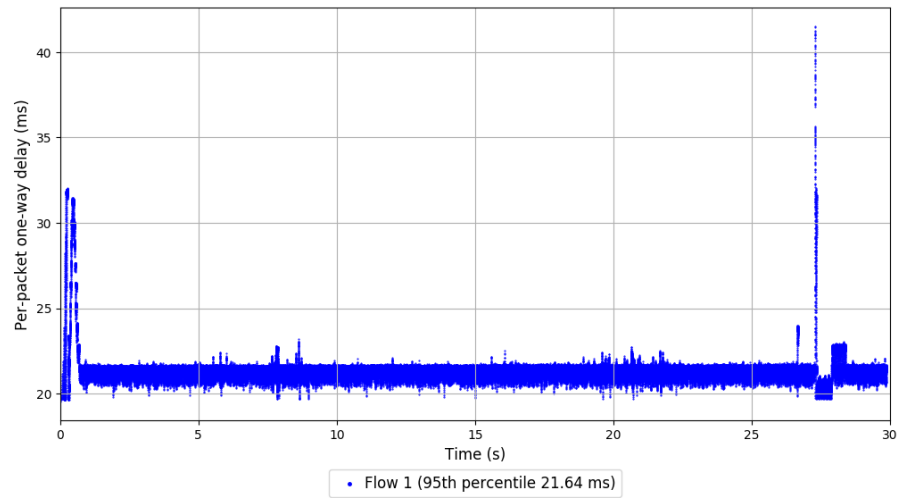
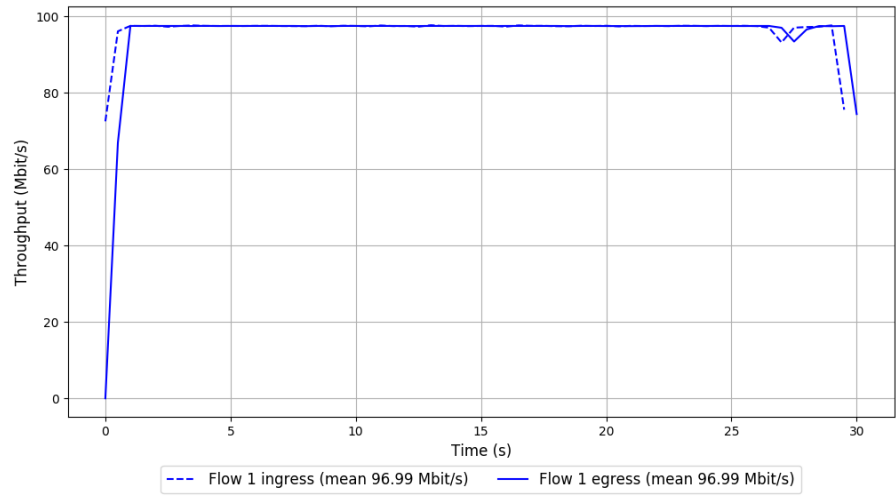


```
Run 1: Statistics of Indigo

Start at: 2018-07-24 23:42:36
End at: 2018-07-24 23:43:06
Local clock offset: 2.35 ms
Remote clock offset: -5.265 ms

# Below is generated by plot.py at 2018-07-25 03:09:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.99 Mbit/s
95th percentile per-packet one-way delay: 21.644 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.99 Mbit/s
95th percentile per-packet one-way delay: 21.644 ms
Loss rate: 0.09%
```

Run 1: Report of Indigo — Data Link

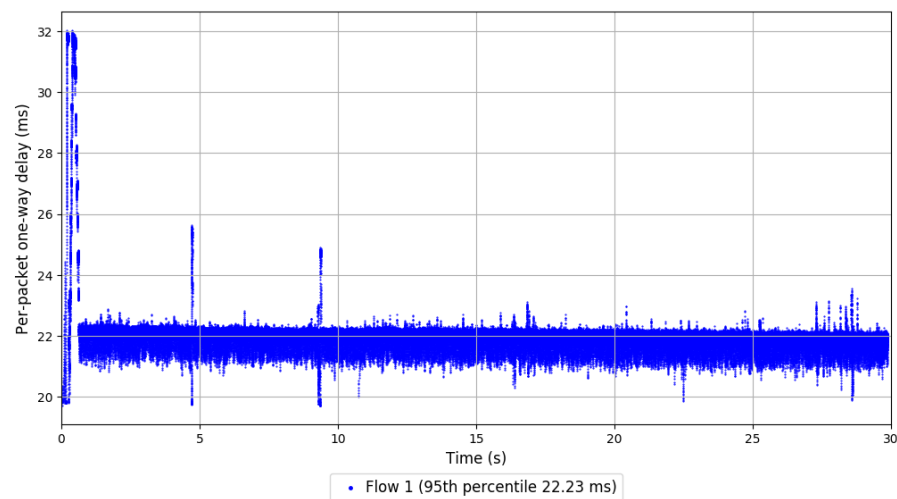
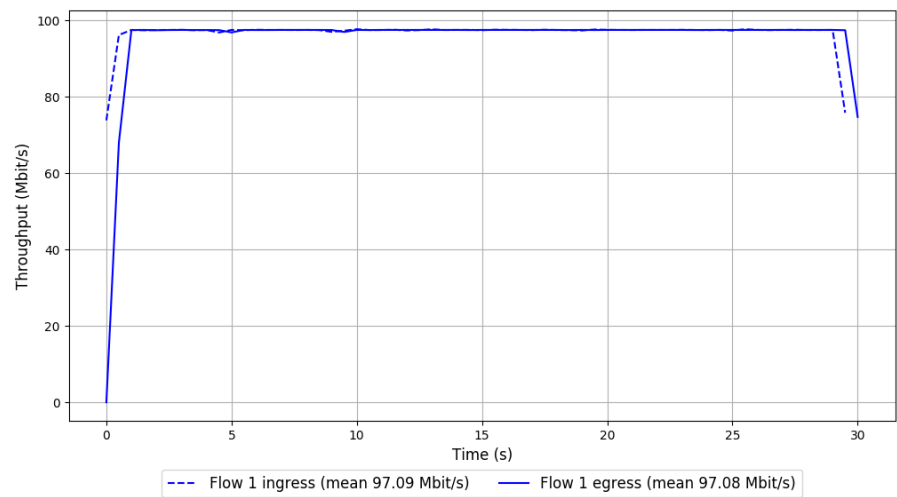


Run 2: Statistics of Indigo

Start at: 2018-07-25 00:02:10
End at: 2018-07-25 00:02:40
Local clock offset: 2.201 ms
Remote clock offset: -10.976 ms

Below is generated by plot.py at 2018-07-25 03:09:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 22.231 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 22.231 ms
Loss rate: 0.10%

Run 2: Report of Indigo — Data Link

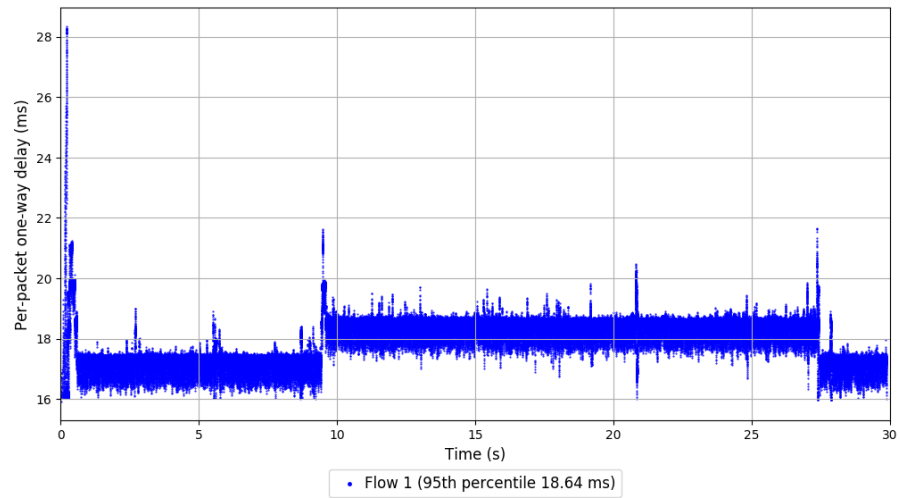
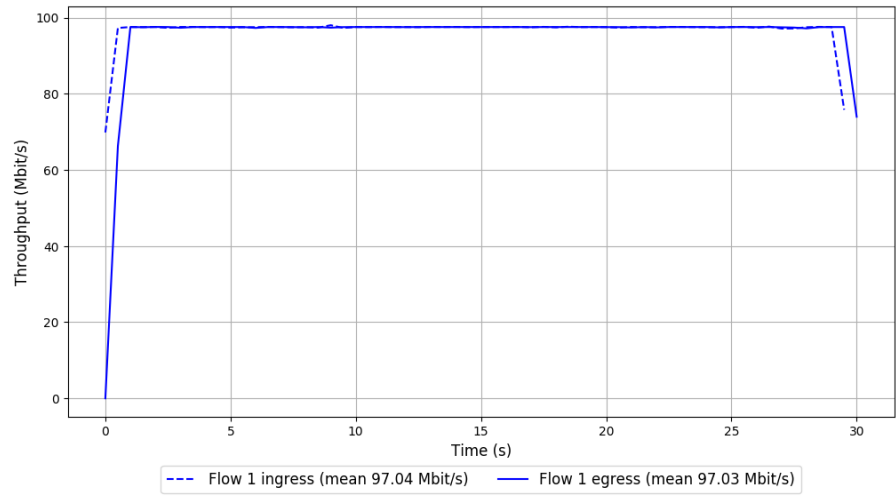


Run 3: Statistics of Indigo

Start at: 2018-07-25 00:22:04
End at: 2018-07-25 00:22:34
Local clock offset: -1.785 ms
Remote clock offset: -16.421 ms

Below is generated by plot.py at 2018-07-25 03:09:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.03 Mbit/s
95th percentile per-packet one-way delay: 18.641 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 97.03 Mbit/s
95th percentile per-packet one-way delay: 18.641 ms
Loss rate: 0.09%

Run 3: Report of Indigo — Data Link

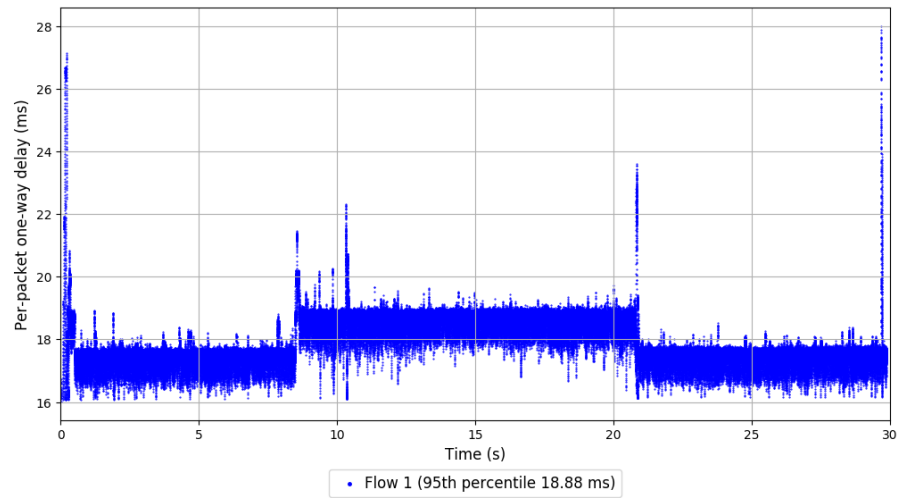
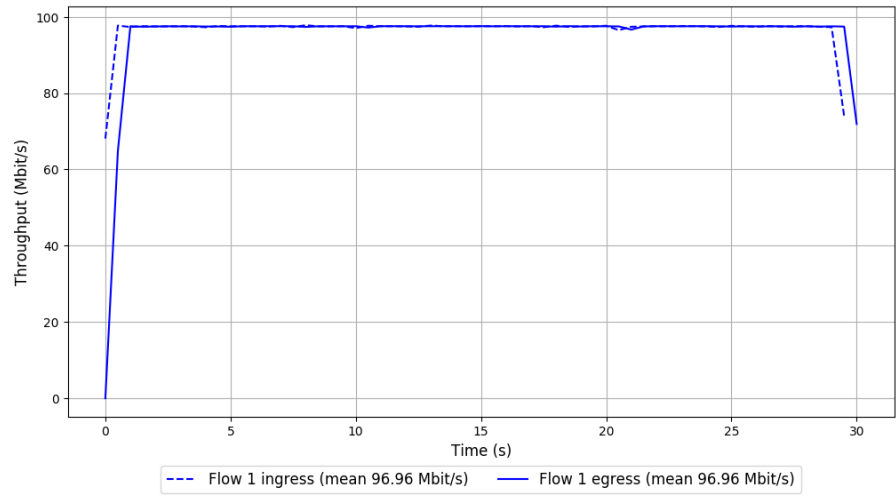


Run 4: Statistics of Indigo

Start at: 2018-07-25 00:42:14
End at: 2018-07-25 00:42:44
Local clock offset: -2.147 ms
Remote clock offset: -10.994 ms

Below is generated by plot.py at 2018-07-25 03:09:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.96 Mbit/s
95th percentile per-packet one-way delay: 18.882 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.96 Mbit/s
95th percentile per-packet one-way delay: 18.882 ms
Loss rate: 0.09%

Run 4: Report of Indigo — Data Link

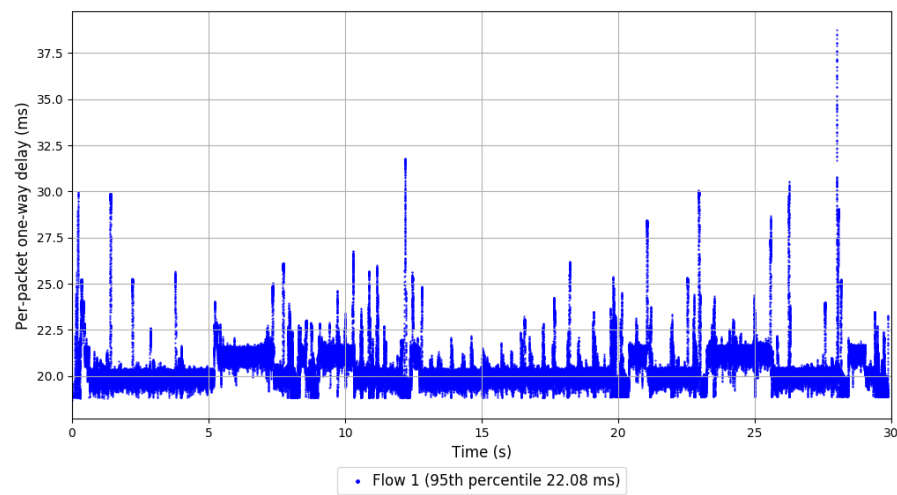
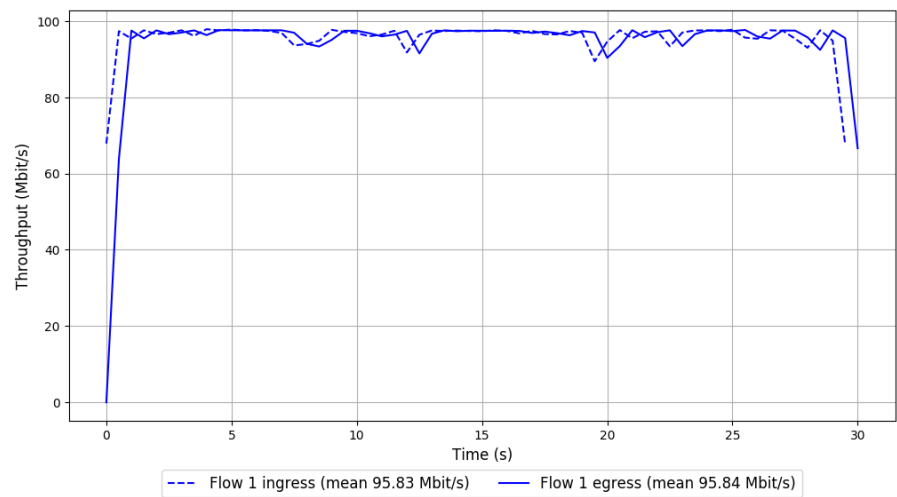


Run 5: Statistics of Indigo

Start at: 2018-07-25 01:02:12
End at: 2018-07-25 01:02:42
Local clock offset: 0.13 ms
Remote clock offset: -10.114 ms

Below is generated by plot.py at 2018-07-25 03:10:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.84 Mbit/s
95th percentile per-packet one-way delay: 22.080 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 95.84 Mbit/s
95th percentile per-packet one-way delay: 22.080 ms
Loss rate: 0.08%

Run 5: Report of Indigo — Data Link

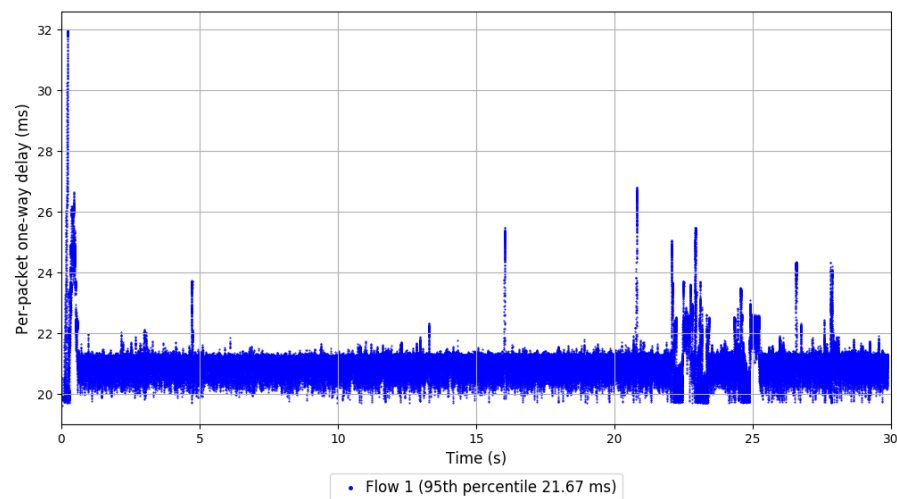
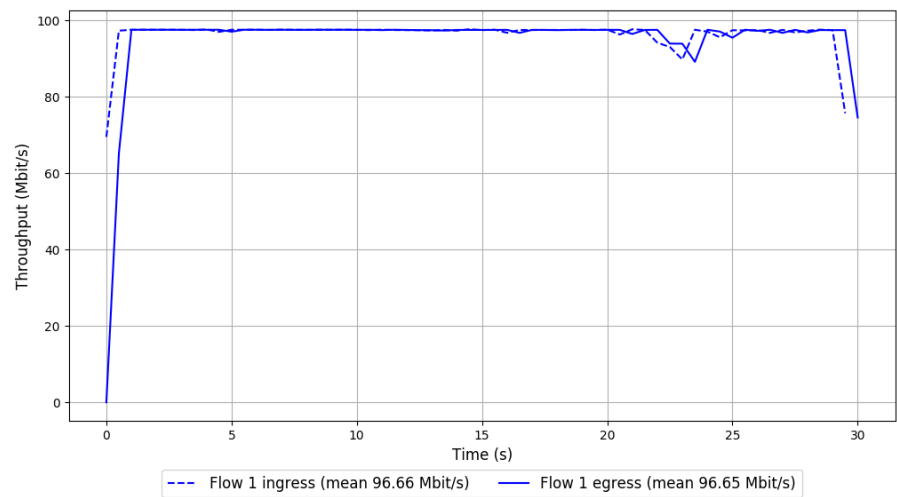


Run 6: Statistics of Indigo

Start at: 2018-07-25 01:22:07
End at: 2018-07-25 01:22:37
Local clock offset: 0.488 ms
Remote clock offset: -9.017 ms

Below is generated by plot.py at 2018-07-25 03:10:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.65 Mbit/s
95th percentile per-packet one-way delay: 21.672 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.65 Mbit/s
95th percentile per-packet one-way delay: 21.672 ms
Loss rate: 0.09%

Run 6: Report of Indigo — Data Link

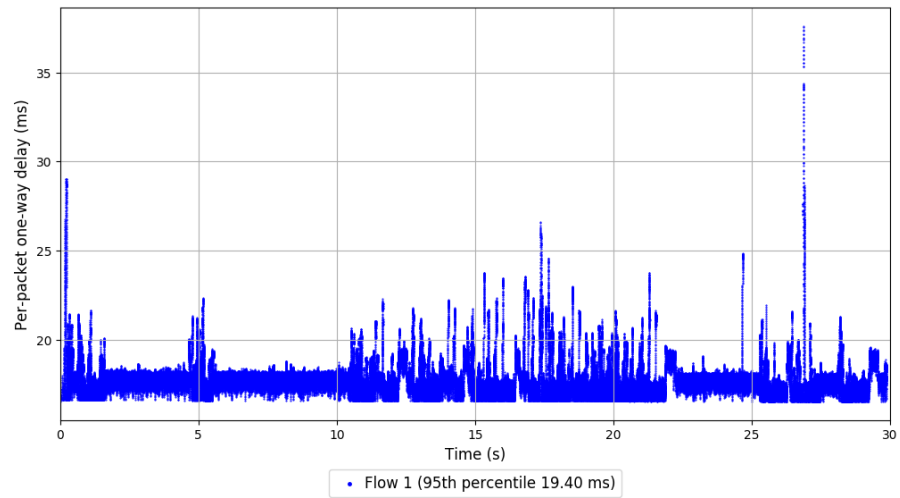
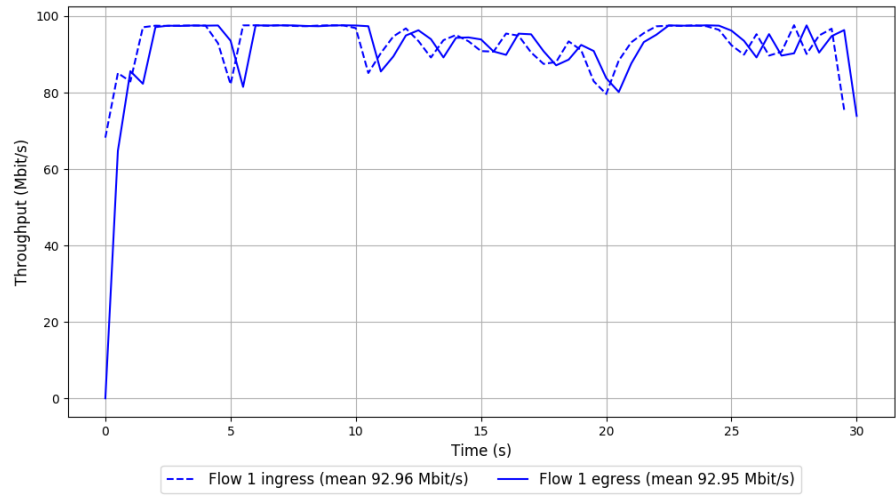


Run 7: Statistics of Indigo

Start at: 2018-07-25 01:42:21
End at: 2018-07-25 01:42:51
Local clock offset: -0.534 ms
Remote clock offset: -9.283 ms

Below is generated by plot.py at 2018-07-25 03:10:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.95 Mbit/s
95th percentile per-packet one-way delay: 19.400 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 92.95 Mbit/s
95th percentile per-packet one-way delay: 19.400 ms
Loss rate: 0.09%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-25 02:02:26

End at: 2018-07-25 02:02:56

Local clock offset: 3.426 ms

Remote clock offset: -10.019 ms

Below is generated by plot.py at 2018-07-25 03:10:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.04 Mbit/s

95th percentile per-packet one-way delay: 22.802 ms

Loss rate: 0.10%

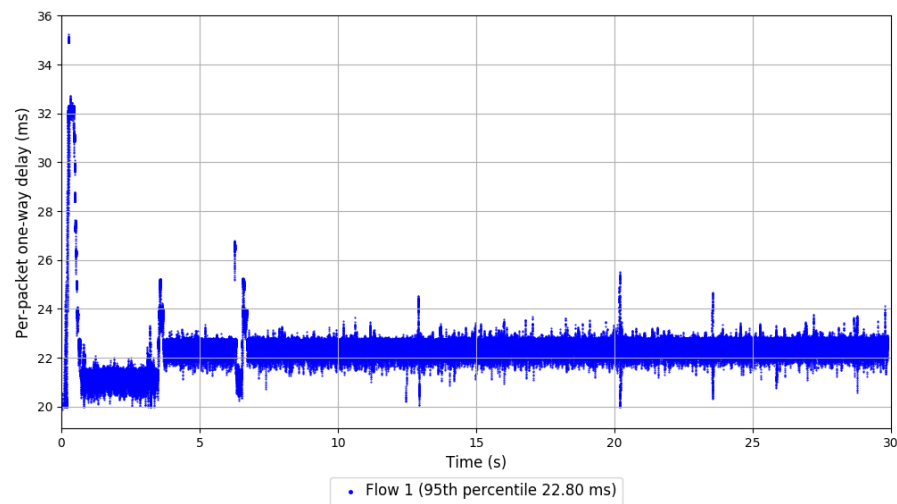
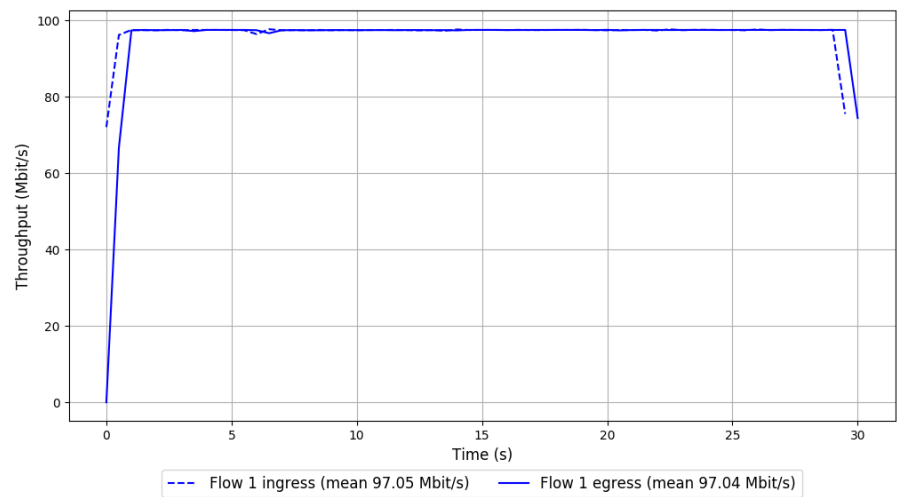
-- Flow 1:

Average throughput: 97.04 Mbit/s

95th percentile per-packet one-way delay: 22.802 ms

Loss rate: 0.10%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-25 02:22:36

End at: 2018-07-25 02:23:06

Local clock offset: 0.596 ms

Remote clock offset: -5.654 ms

Below is generated by plot.py at 2018-07-25 03:10:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.65 Mbit/s

95th percentile per-packet one-way delay: 21.180 ms

Loss rate: 0.09%

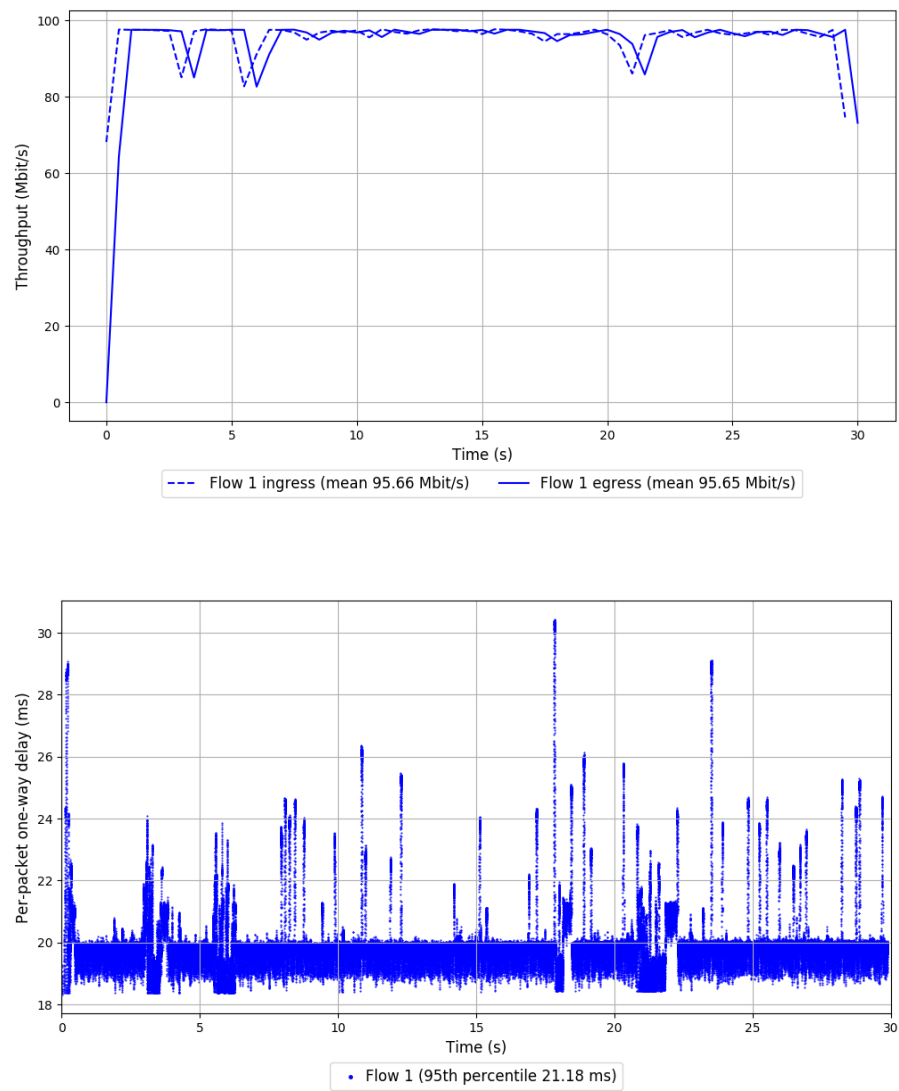
-- Flow 1:

Average throughput: 95.65 Mbit/s

95th percentile per-packet one-way delay: 21.180 ms

Loss rate: 0.09%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-25 02:42:45

End at: 2018-07-25 02:43:15

Local clock offset: -0.576 ms

Remote clock offset: -3.163 ms

Below is generated by plot.py at 2018-07-25 03:10:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.80 Mbit/s

95th percentile per-packet one-way delay: 20.814 ms

Loss rate: 0.09%

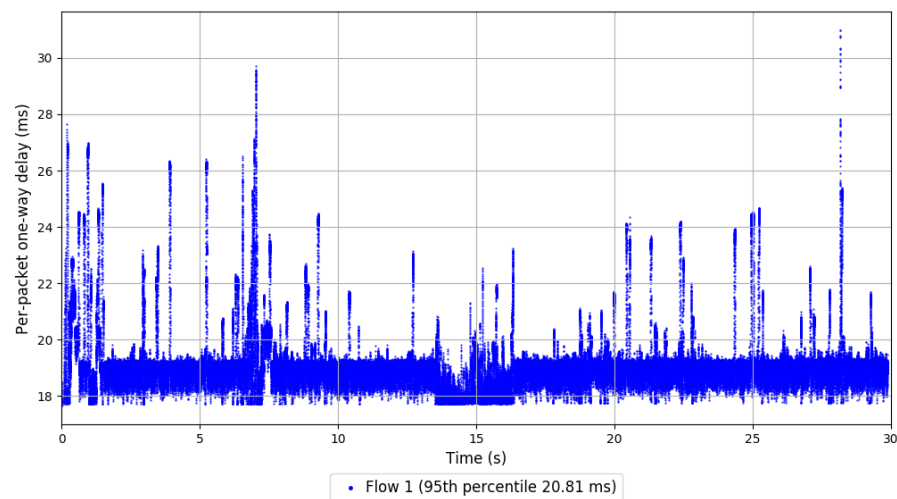
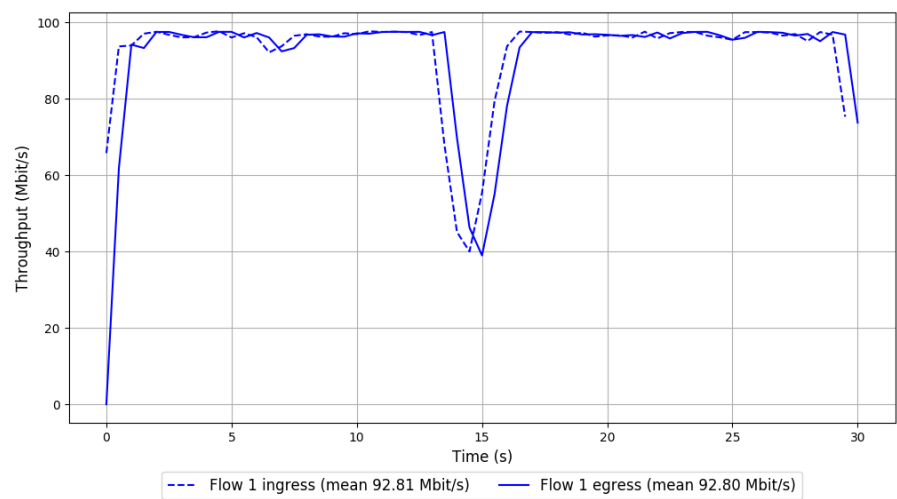
-- Flow 1:

Average throughput: 92.80 Mbit/s

95th percentile per-packet one-way delay: 20.814 ms

Loss rate: 0.09%

Run 10: Report of Indigo — Data Link

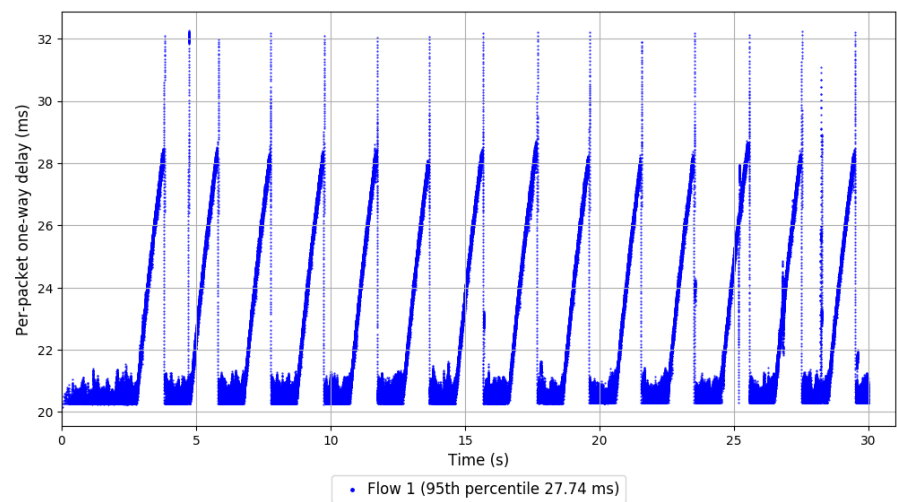
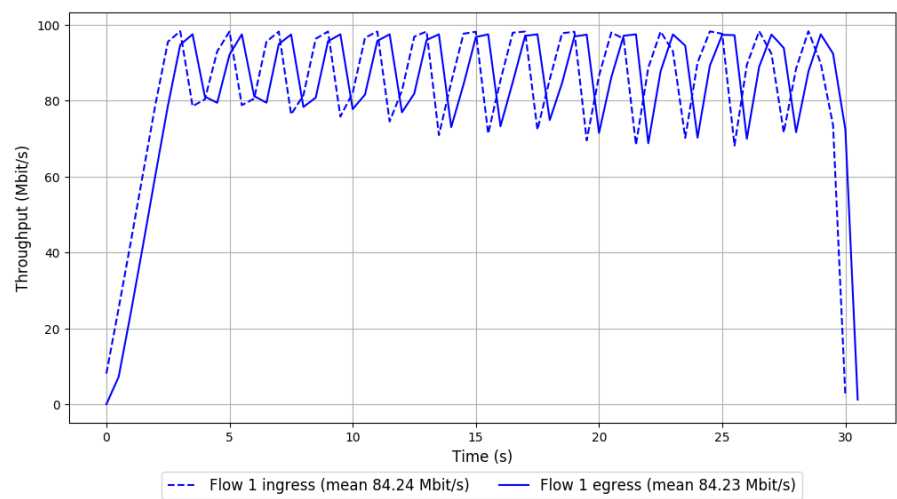


Run 1: Statistics of LEDBAT

Start at: 2018-07-24 23:49:35
End at: 2018-07-24 23:50:05
Local clock offset: 2.668 ms
Remote clock offset: -4.747 ms

Below is generated by plot.py at 2018-07-25 03:10:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.23 Mbit/s
95th percentile per-packet one-way delay: 27.743 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 84.23 Mbit/s
95th percentile per-packet one-way delay: 27.743 ms
Loss rate: 0.09%

Run 1: Report of LEDBAT — Data Link

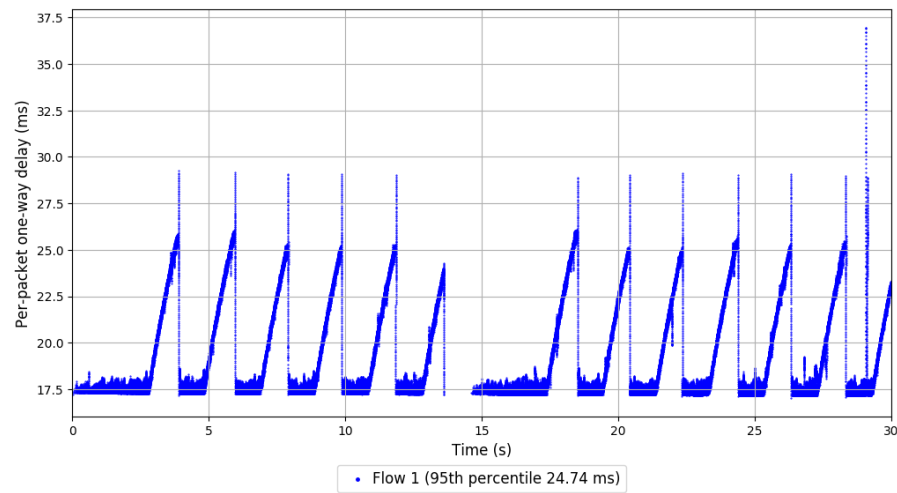
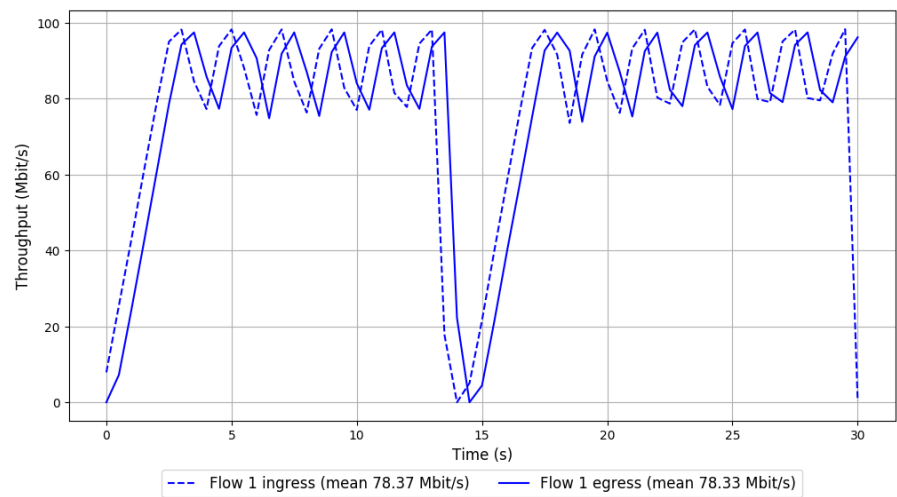


Run 2: Statistics of LEDBAT

Start at: 2018-07-25 00:09:17
End at: 2018-07-25 00:09:47
Local clock offset: -0.714 ms
Remote clock offset: -13.97 ms

Below is generated by plot.py at 2018-07-25 03:10:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.33 Mbit/s
95th percentile per-packet one-way delay: 24.738 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 78.33 Mbit/s
95th percentile per-packet one-way delay: 24.738 ms
Loss rate: 0.14%

Run 2: Report of LEDBAT — Data Link

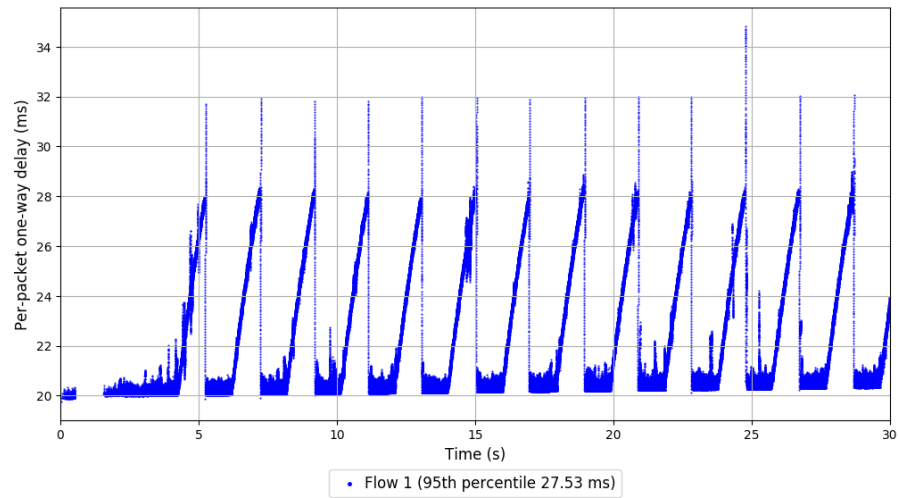
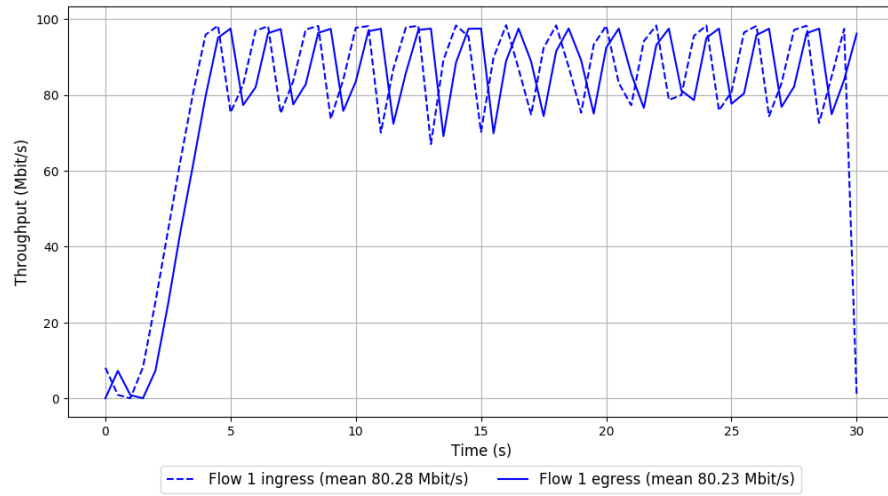


Run 3: Statistics of LEDBAT

Start at: 2018-07-25 00:29:10
End at: 2018-07-25 00:29:40
Local clock offset: 1.472 ms
Remote clock offset: -16.372 ms

Below is generated by plot.py at 2018-07-25 03:11:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.23 Mbit/s
95th percentile per-packet one-way delay: 27.529 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 80.23 Mbit/s
95th percentile per-packet one-way delay: 27.529 ms
Loss rate: 0.14%

Run 3: Report of LEDBAT — Data Link

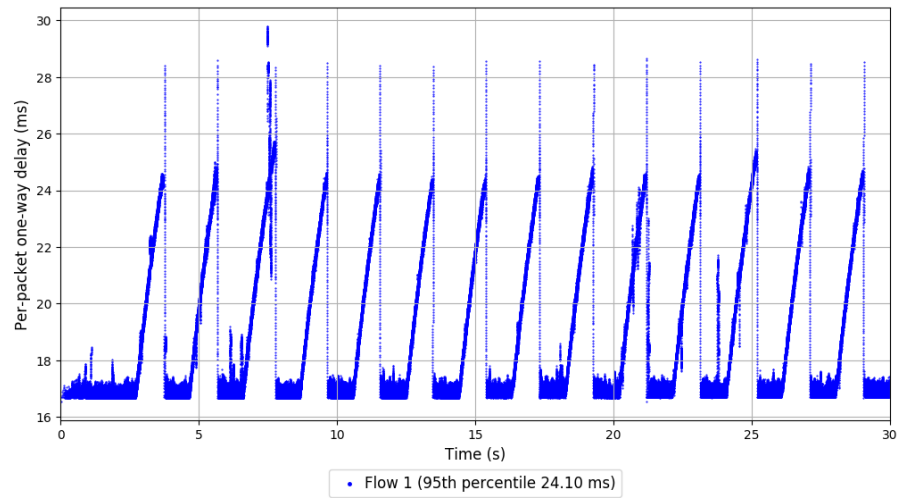
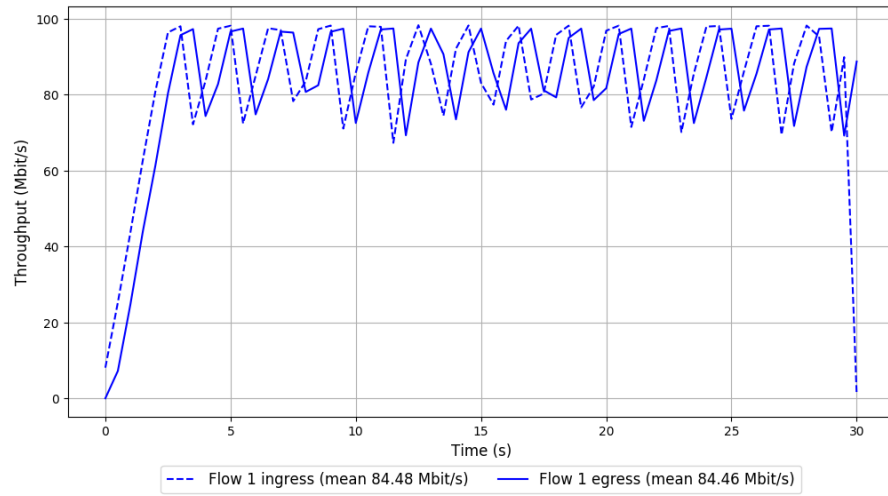


Run 4: Statistics of LEDBAT

Start at: 2018-07-25 00:49:18
End at: 2018-07-25 00:49:48
Local clock offset: -2.807 ms
Remote clock offset: -11.461 ms

Below is generated by plot.py at 2018-07-25 03:11:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.46 Mbit/s
95th percentile per-packet one-way delay: 24.097 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 84.46 Mbit/s
95th percentile per-packet one-way delay: 24.097 ms
Loss rate: 0.11%

Run 4: Report of LEDBAT — Data Link

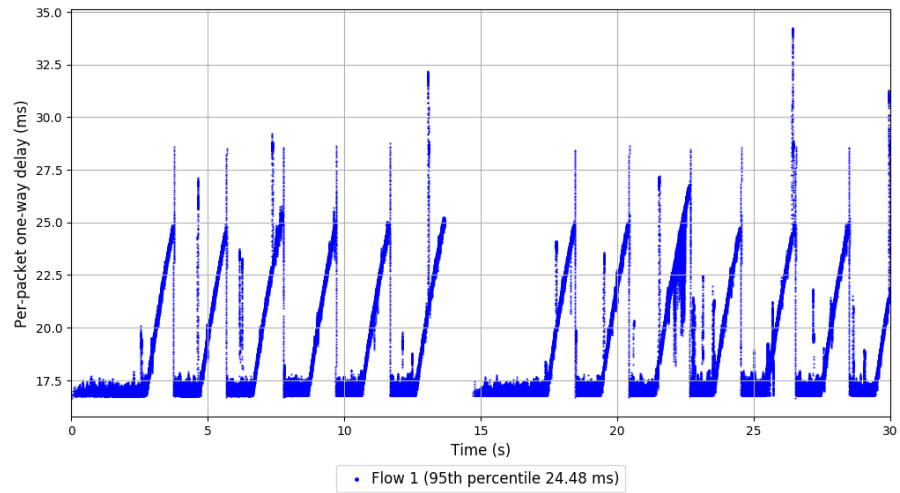
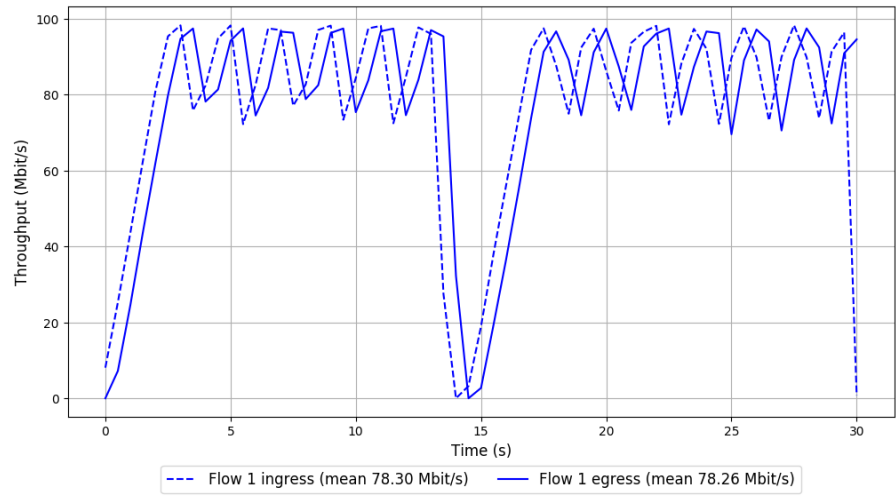


Run 5: Statistics of LEDBAT

Start at: 2018-07-25 01:09:17
End at: 2018-07-25 01:09:47
Local clock offset: -2.299 ms
Remote clock offset: -9.551 ms

Below is generated by plot.py at 2018-07-25 03:11:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.26 Mbit/s
95th percentile per-packet one-way delay: 24.475 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 78.26 Mbit/s
95th percentile per-packet one-way delay: 24.475 ms
Loss rate: 0.13%

Run 5: Report of LEDBAT — Data Link

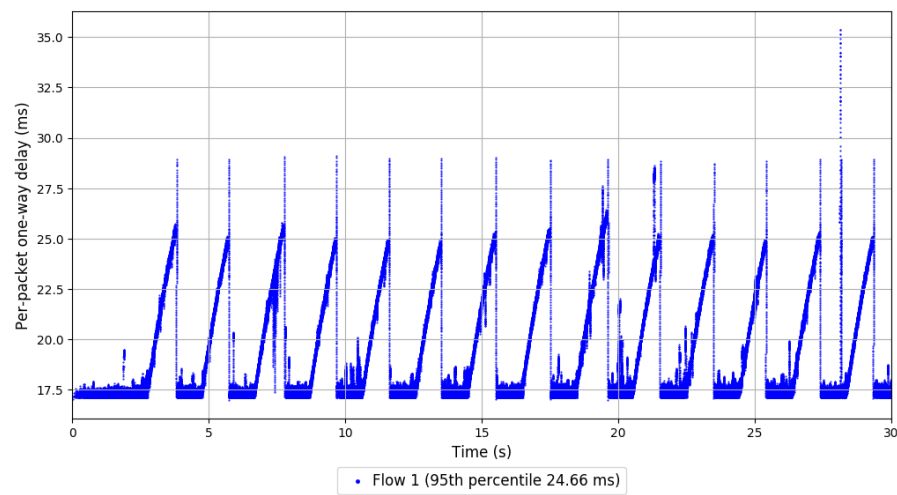
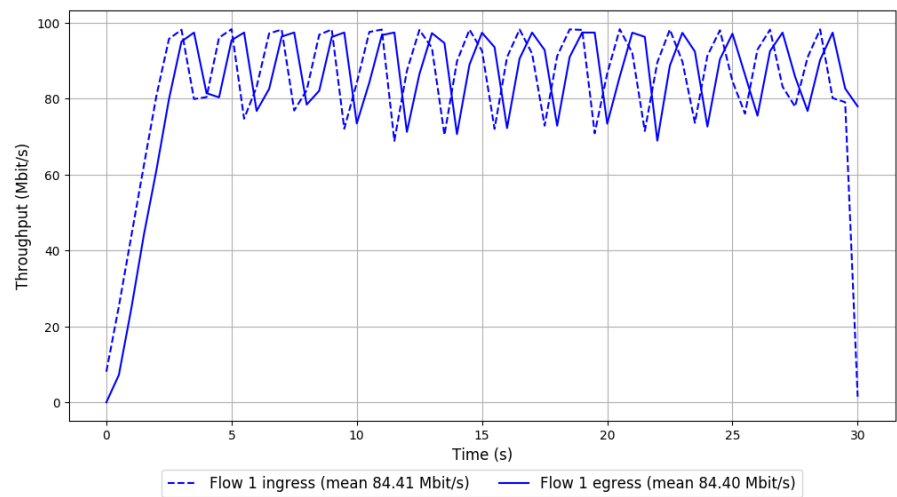


Run 6: Statistics of LEDBAT

Start at: 2018-07-25 01:29:16
End at: 2018-07-25 01:29:46
Local clock offset: -2.023 ms
Remote clock offset: -8.726 ms

Below is generated by plot.py at 2018-07-25 03:11:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.40 Mbit/s
95th percentile per-packet one-way delay: 24.658 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 84.40 Mbit/s
95th percentile per-packet one-way delay: 24.658 ms
Loss rate: 0.10%

Run 6: Report of LEDBAT — Data Link

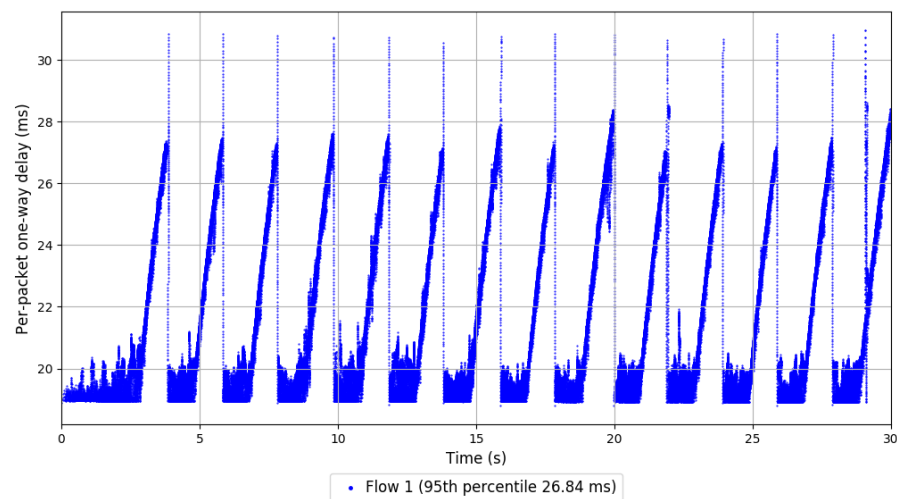
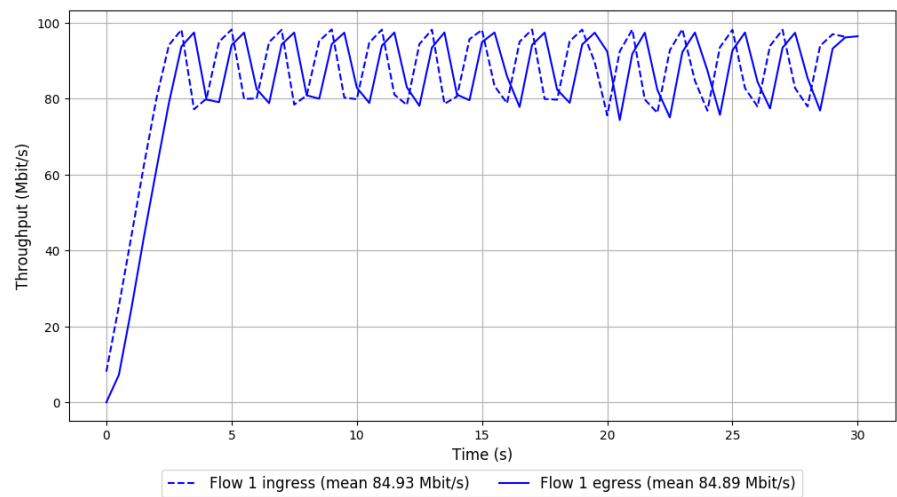


Run 7: Statistics of LEDBAT

Start at: 2018-07-25 01:49:24
End at: 2018-07-25 01:49:54
Local clock offset: 2.305 ms
Remote clock offset: -9.577 ms

Below is generated by plot.py at 2018-07-25 03:11:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.89 Mbit/s
95th percentile per-packet one-way delay: 26.836 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 84.89 Mbit/s
95th percentile per-packet one-way delay: 26.836 ms
Loss rate: 0.10%

Run 7: Report of LEDBAT — Data Link

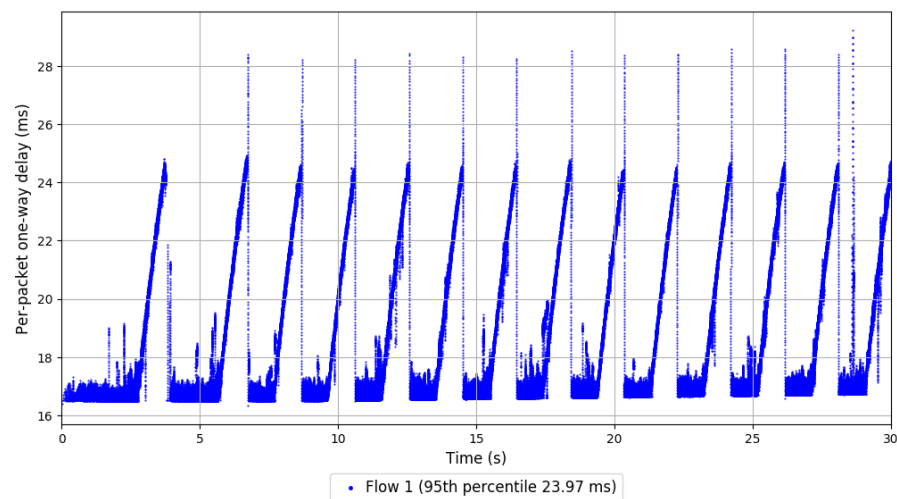
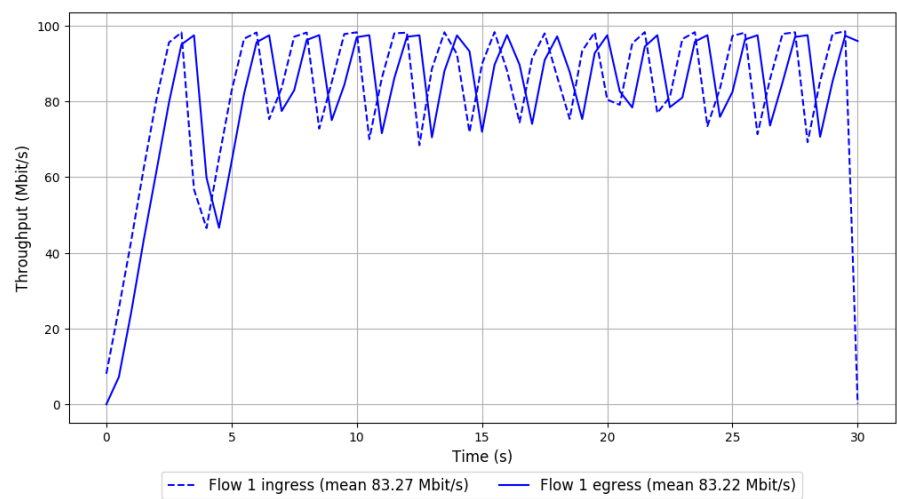


Run 8: Statistics of LEDBAT

Start at: 2018-07-25 02:09:39
End at: 2018-07-25 02:10:09
Local clock offset: -0.19 ms
Remote clock offset: -9.707 ms

Below is generated by plot.py at 2018-07-25 03:11:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.22 Mbit/s
95th percentile per-packet one-way delay: 23.967 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 83.22 Mbit/s
95th percentile per-packet one-way delay: 23.967 ms
Loss rate: 0.14%

Run 8: Report of LEDBAT — Data Link

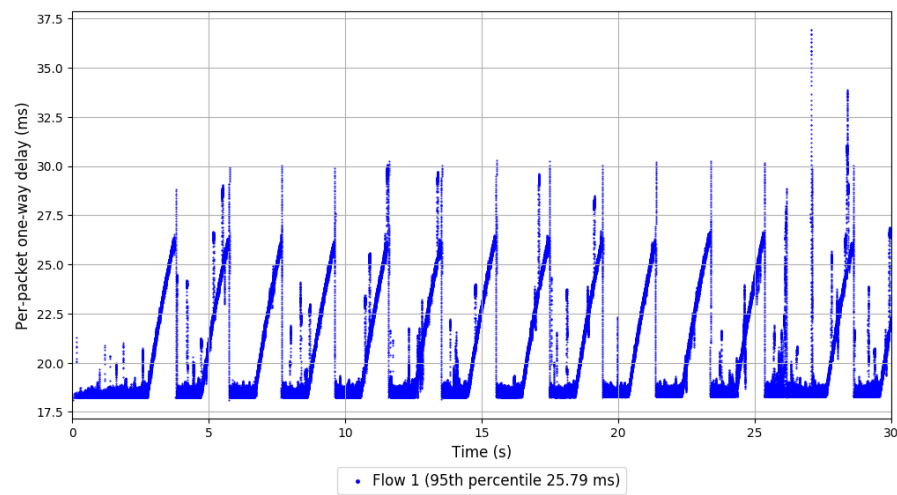
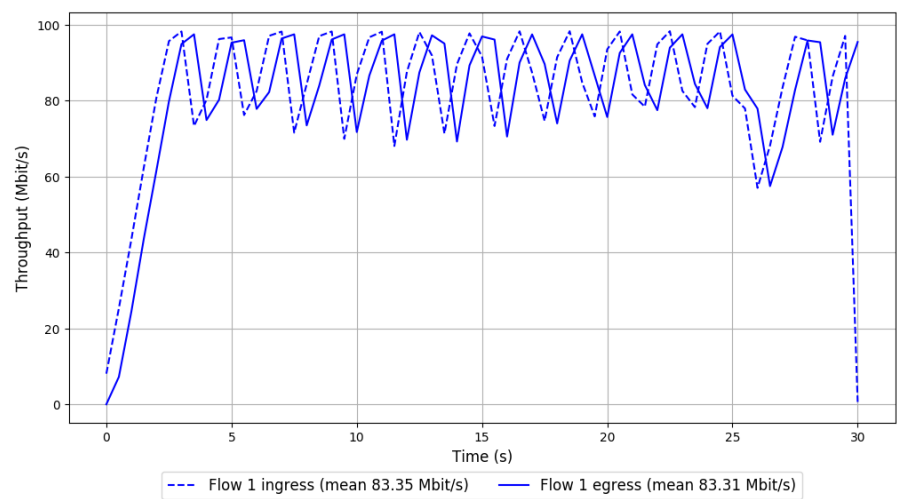


Run 9: Statistics of LEDBAT

Start at: 2018-07-25 02:29:39
End at: 2018-07-25 02:30:09
Local clock offset: 0.847 ms
Remote clock offset: -4.086 ms

Below is generated by plot.py at 2018-07-25 03:11:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.31 Mbit/s
95th percentile per-packet one-way delay: 25.787 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 83.31 Mbit/s
95th percentile per-packet one-way delay: 25.787 ms
Loss rate: 0.13%

Run 9: Report of LEDBAT — Data Link

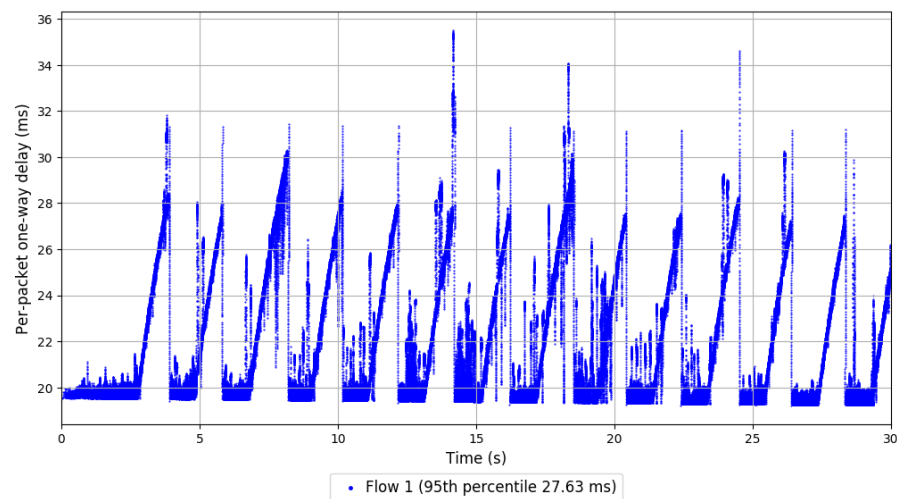
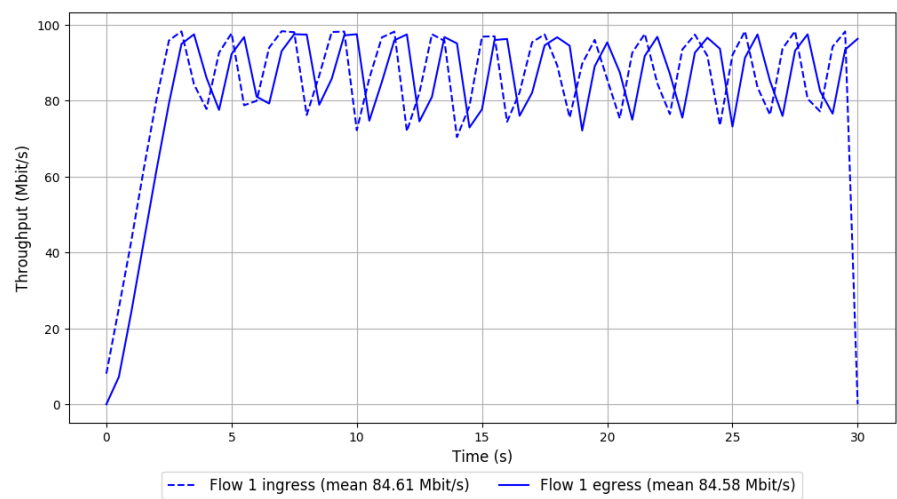


Run 10: Statistics of LEDBAT

Start at: 2018-07-25 02:49:55
End at: 2018-07-25 02:50:25
Local clock offset: 1.873 ms
Remote clock offset: -7.145 ms

Below is generated by plot.py at 2018-07-25 03:11:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.58 Mbit/s
95th percentile per-packet one-way delay: 27.626 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 84.58 Mbit/s
95th percentile per-packet one-way delay: 27.626 ms
Loss rate: 0.13%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-07-24 23:38:10

End at: 2018-07-24 23:38:40

Local clock offset: 4.096 ms

Remote clock offset: -5.784 ms

Below is generated by plot.py at 2018-07-25 03:12:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.92 Mbit/s

95th percentile per-packet one-way delay: 24.986 ms

Loss rate: 0.09%

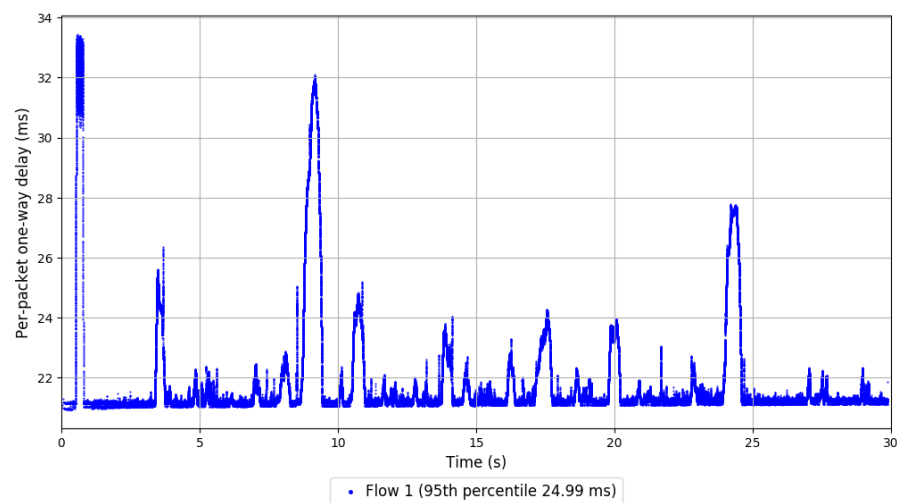
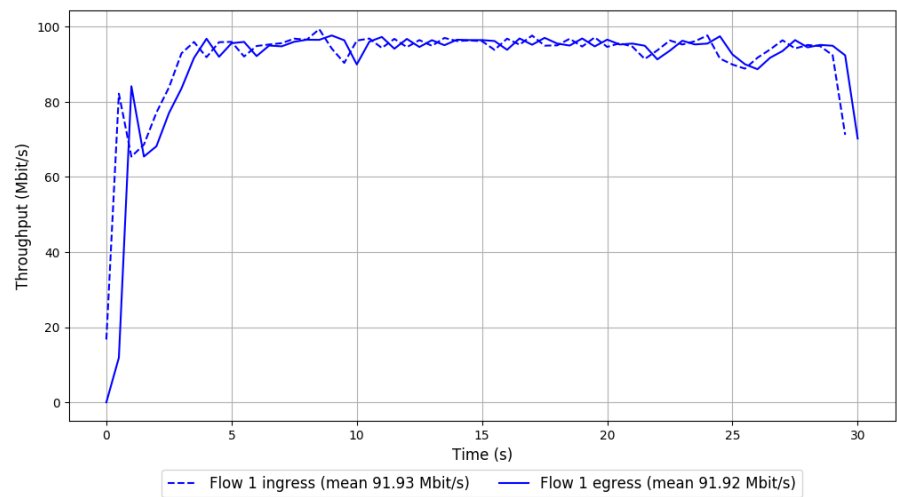
-- Flow 1:

Average throughput: 91.92 Mbit/s

95th percentile per-packet one-way delay: 24.986 ms

Loss rate: 0.09%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-24 23:57:45

End at: 2018-07-24 23:58:15

Local clock offset: 0.253 ms

Remote clock offset: -8.11 ms

Below is generated by plot.py at 2018-07-25 03:12:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.95 Mbit/s

95th percentile per-packet one-way delay: 20.153 ms

Loss rate: 0.09%

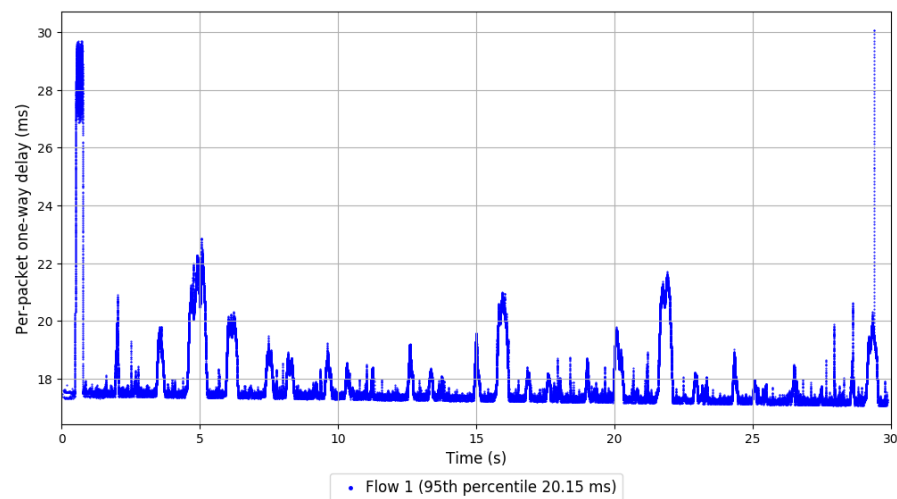
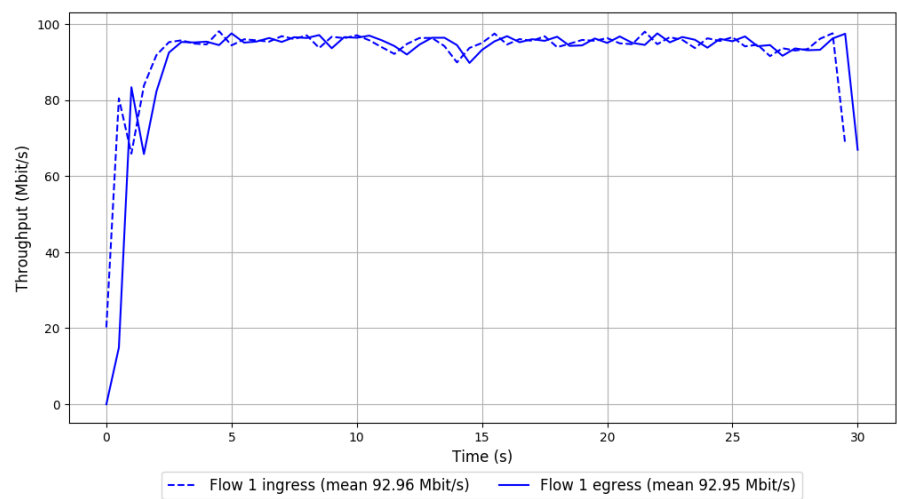
-- Flow 1:

Average throughput: 92.95 Mbit/s

95th percentile per-packet one-way delay: 20.153 ms

Loss rate: 0.09%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-25 00:17:34

End at: 2018-07-25 00:18:04

Local clock offset: -1.631 ms

Remote clock offset: -16.218 ms

Below is generated by plot.py at 2018-07-25 03:12:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.19 Mbit/s

95th percentile per-packet one-way delay: 19.301 ms

Loss rate: 0.09%

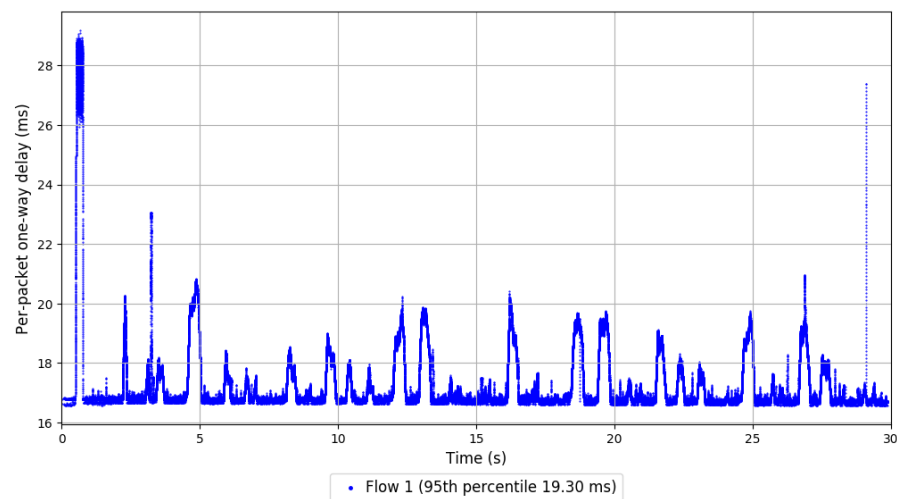
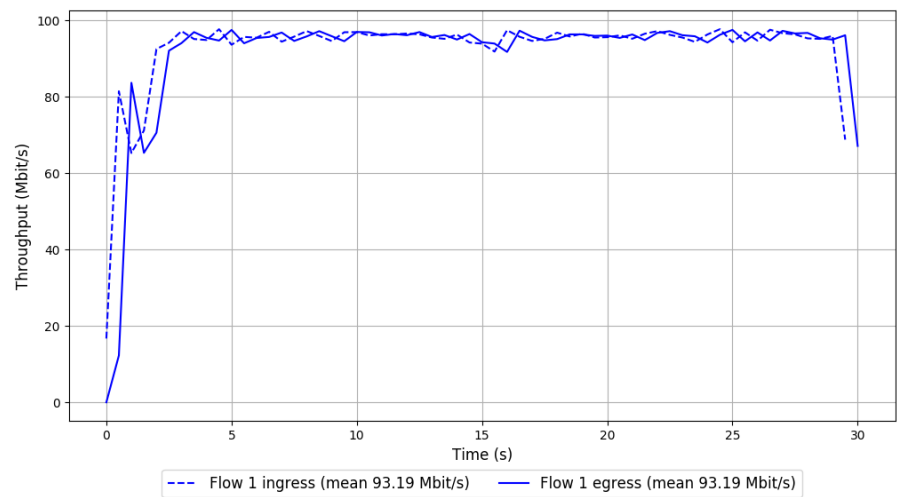
-- Flow 1:

Average throughput: 93.19 Mbit/s

95th percentile per-packet one-way delay: 19.301 ms

Loss rate: 0.09%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-25 00:37:41

End at: 2018-07-25 00:38:11

Local clock offset: 0.857 ms

Remote clock offset: -12.358 ms

Below is generated by plot.py at 2018-07-25 03:12:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.44 Mbit/s

95th percentile per-packet one-way delay: 20.927 ms

Loss rate: 0.09%

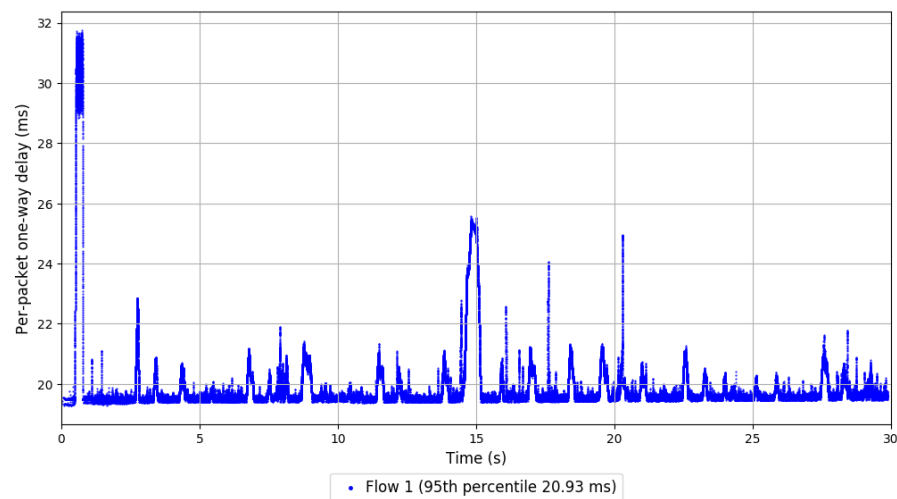
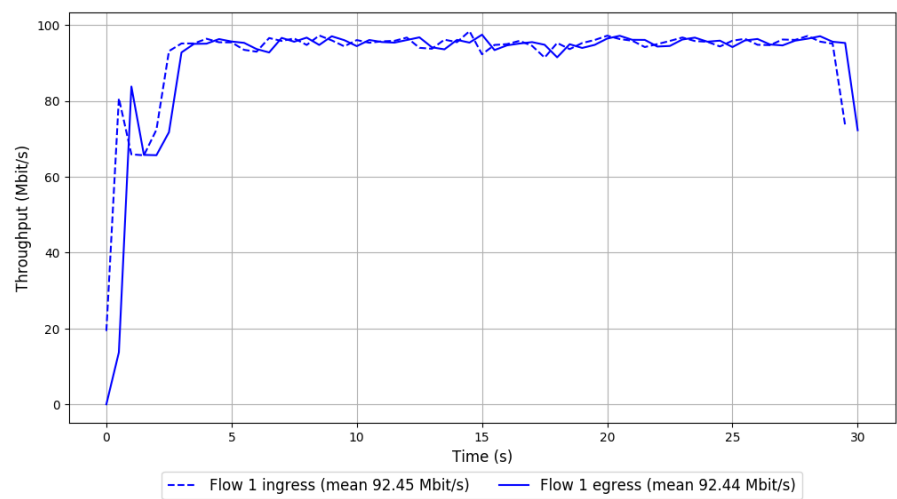
-- Flow 1:

Average throughput: 92.44 Mbit/s

95th percentile per-packet one-way delay: 20.927 ms

Loss rate: 0.09%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-25 00:57:44

End at: 2018-07-25 00:58:14

Local clock offset: 0.952 ms

Remote clock offset: -10.862 ms

Below is generated by plot.py at 2018-07-25 03:12:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.74 Mbit/s

95th percentile per-packet one-way delay: 30.526 ms

Loss rate: 0.12%

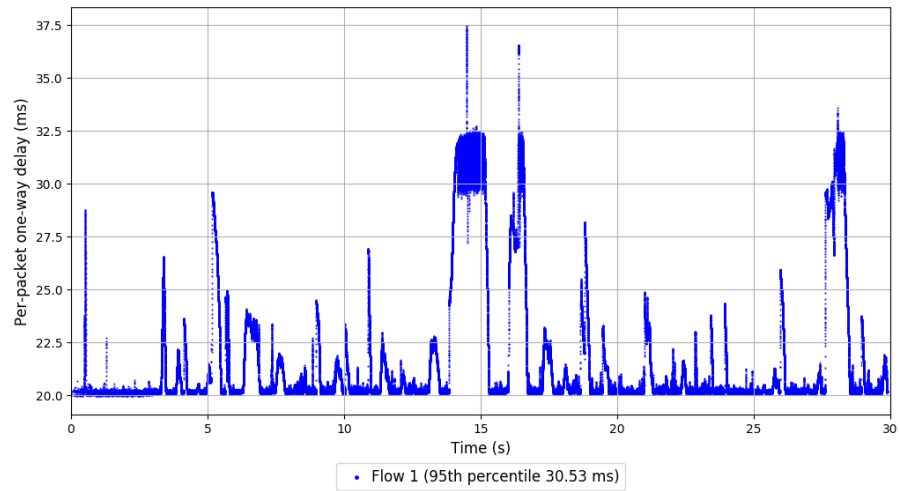
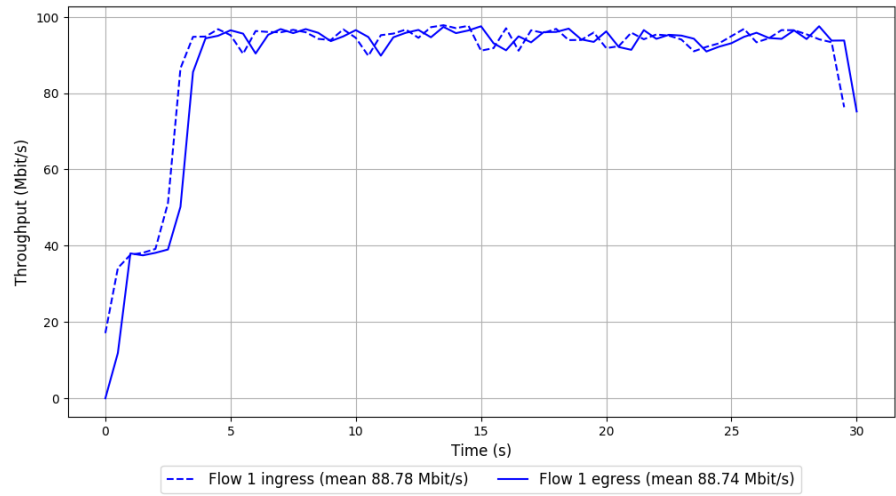
-- Flow 1:

Average throughput: 88.74 Mbit/s

95th percentile per-packet one-way delay: 30.526 ms

Loss rate: 0.12%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-25 01:17:39

End at: 2018-07-25 01:18:09

Local clock offset: -1.593 ms

Remote clock offset: -8.49 ms

Below is generated by plot.py at 2018-07-25 03:12:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.15 Mbit/s

95th percentile per-packet one-way delay: 21.529 ms

Loss rate: 0.10%

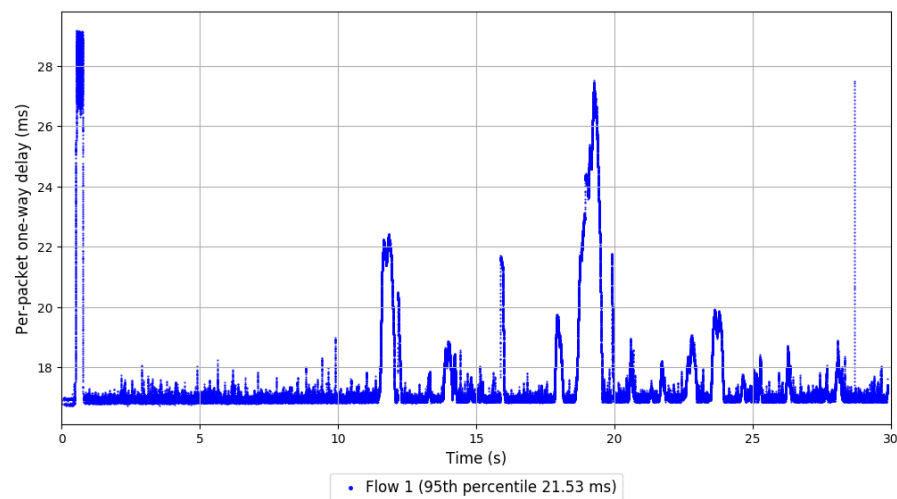
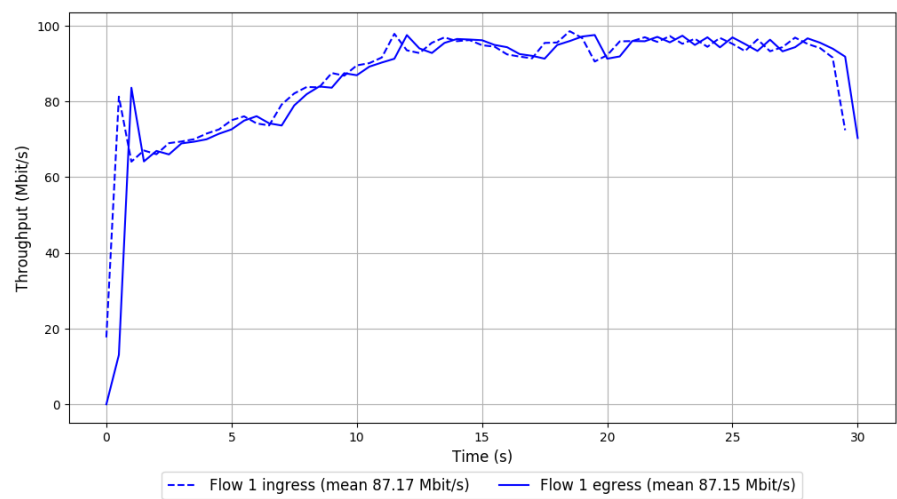
-- Flow 1:

Average throughput: 87.15 Mbit/s

95th percentile per-packet one-way delay: 21.529 ms

Loss rate: 0.10%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-25 01:37:46

End at: 2018-07-25 01:38:16

Local clock offset: -1.35 ms

Remote clock offset: -8.821 ms

Below is generated by plot.py at 2018-07-25 03:12:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.95 Mbit/s

95th percentile per-packet one-way delay: 19.424 ms

Loss rate: 0.09%

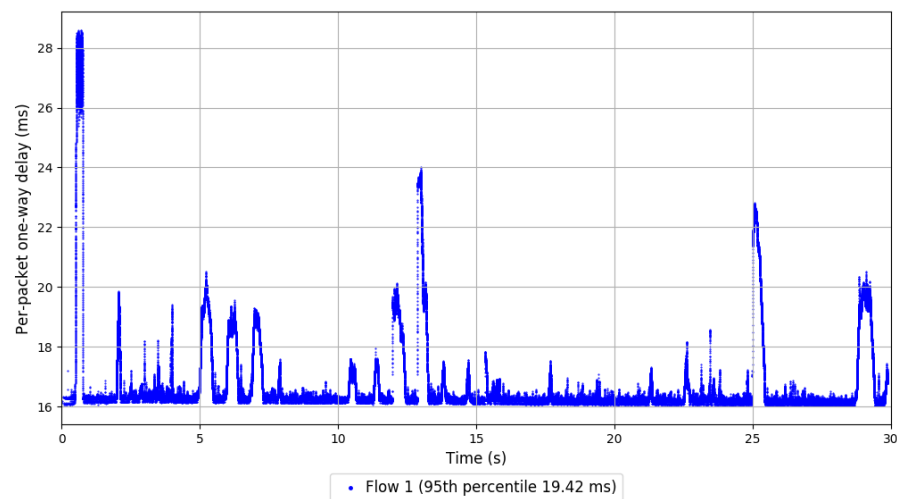
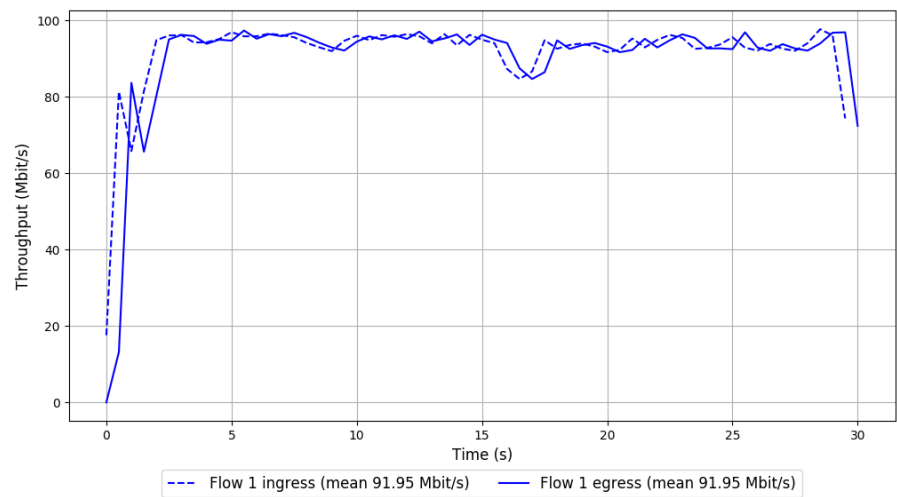
-- Flow 1:

Average throughput: 91.95 Mbit/s

95th percentile per-packet one-way delay: 19.424 ms

Loss rate: 0.09%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-25 01:57:58

End at: 2018-07-25 01:58:28

Local clock offset: 0.331 ms

Remote clock offset: -9.936 ms

Below is generated by plot.py at 2018-07-25 03:12:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.60 Mbit/s

95th percentile per-packet one-way delay: 18.193 ms

Loss rate: 0.09%

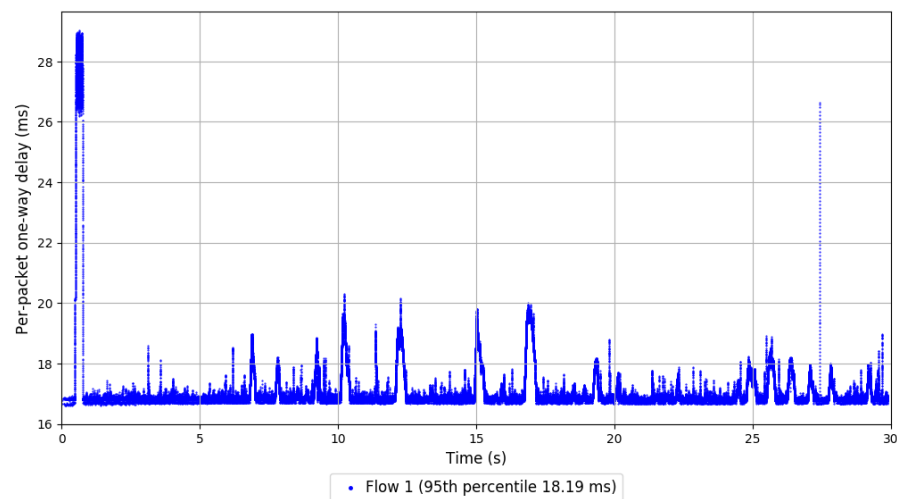
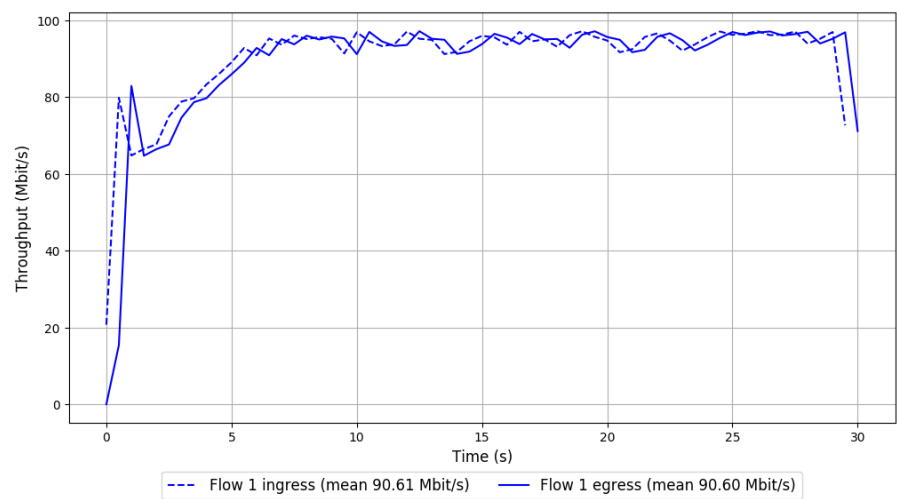
-- Flow 1:

Average throughput: 90.60 Mbit/s

95th percentile per-packet one-way delay: 18.193 ms

Loss rate: 0.09%

Run 8: Report of PCC-Allegro — Data Link

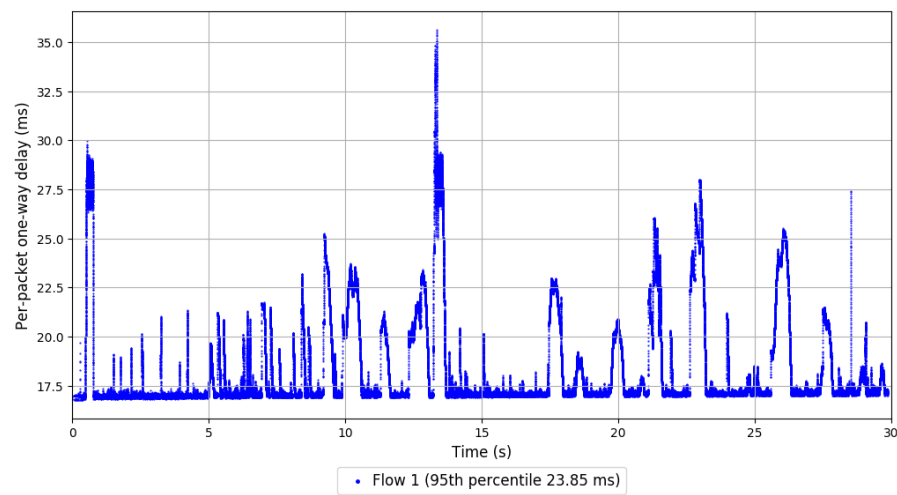
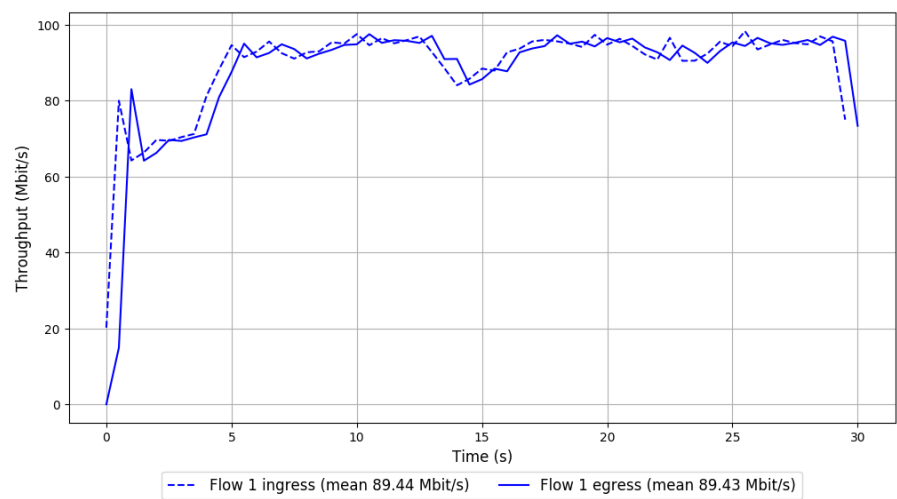


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-25 02:18:01
End at: 2018-07-25 02:18:31
Local clock offset: -0.622 ms
Remote clock offset: -6.682 ms

Below is generated by plot.py at 2018-07-25 03:13:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.43 Mbit/s
95th percentile per-packet one-way delay: 23.848 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 89.43 Mbit/s
95th percentile per-packet one-way delay: 23.848 ms
Loss rate: 0.10%

Run 9: Report of PCC-Allegro — Data Link

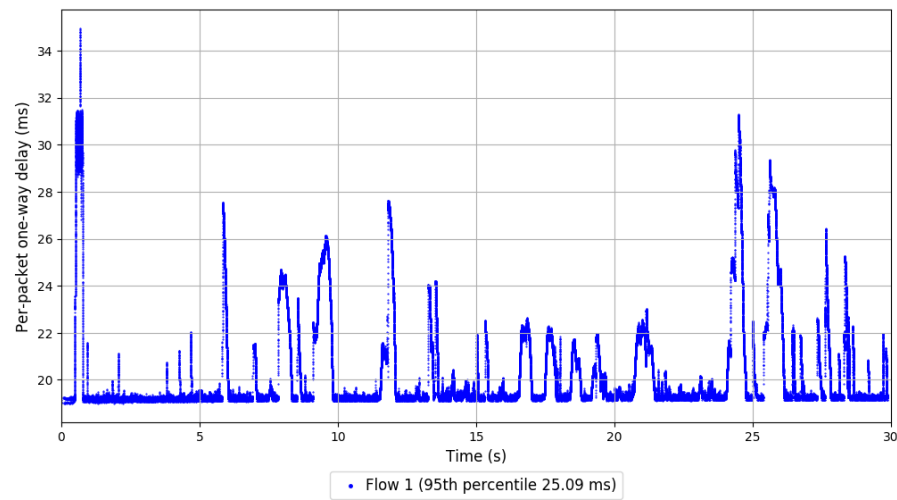
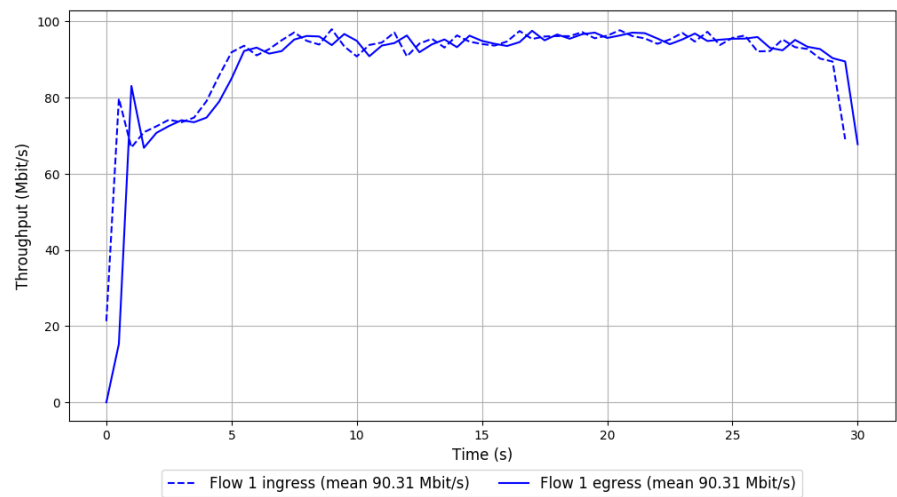


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-25 02:38:15
End at: 2018-07-25 02:38:45
Local clock offset: 1.091 ms
Remote clock offset: -3.509 ms

Below is generated by plot.py at 2018-07-25 03:13:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.31 Mbit/s
95th percentile per-packet one-way delay: 25.094 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 90.31 Mbit/s
95th percentile per-packet one-way delay: 25.094 ms
Loss rate: 0.09%

Run 10: Report of PCC-Allegro — Data Link

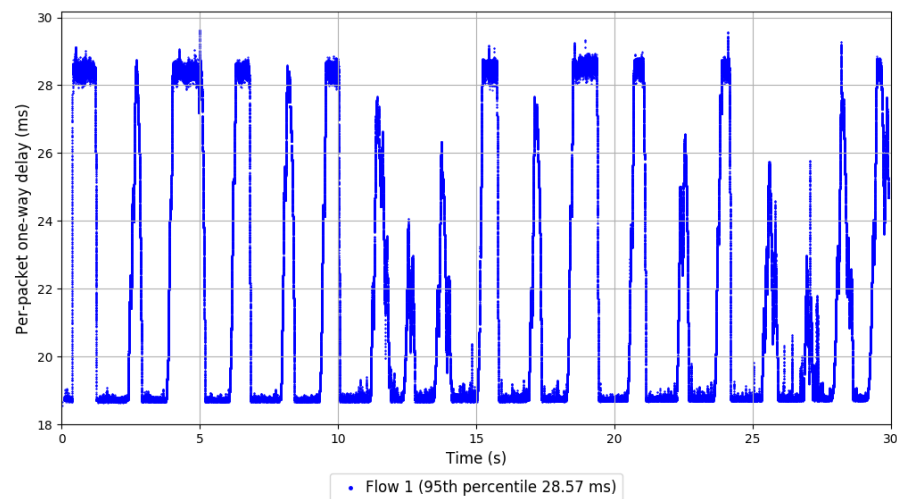
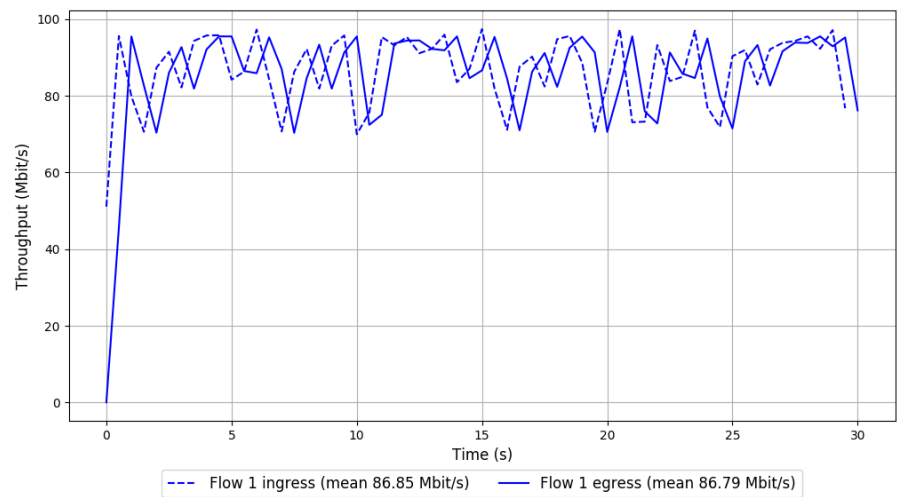


Run 1: Statistics of PCC-Expr

Start at: 2018-07-24 23:50:45
End at: 2018-07-24 23:51:15
Local clock offset: 1.137 ms
Remote clock offset: -4.623 ms

Below is generated by plot.py at 2018-07-25 03:14:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.79 Mbit/s
95th percentile per-packet one-way delay: 28.567 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 86.79 Mbit/s
95th percentile per-packet one-way delay: 28.567 ms
Loss rate: 0.16%

Run 1: Report of PCC-Expr — Data Link

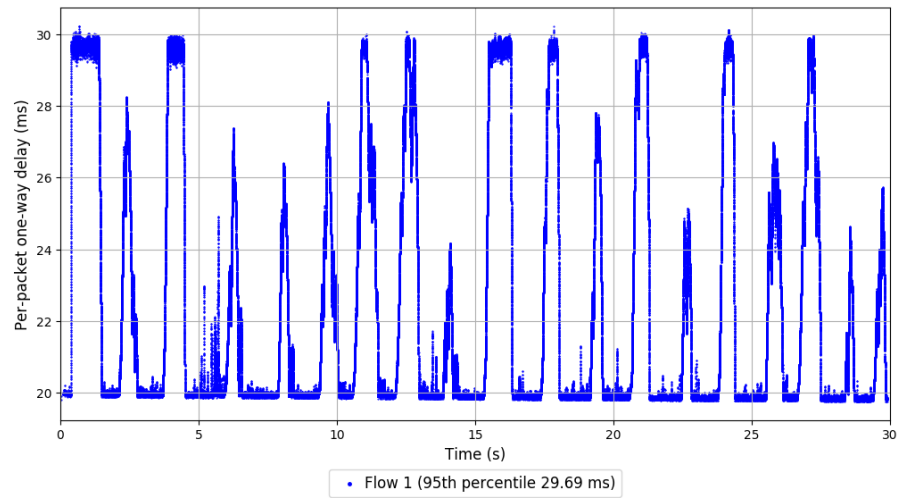
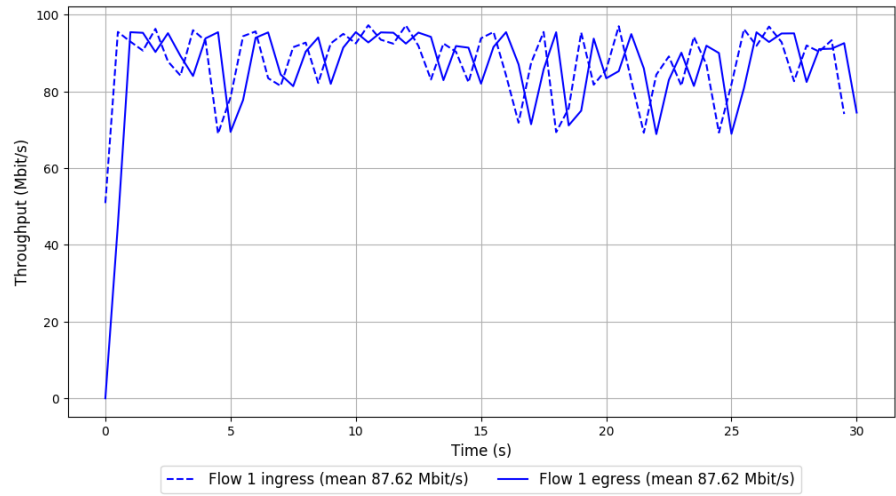


Run 2: Statistics of PCC-Expr

Start at: 2018-07-25 00:10:27
End at: 2018-07-25 00:10:57
Local clock offset: 1.381 ms
Remote clock offset: -14.851 ms

Below is generated by plot.py at 2018-07-25 03:14:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.62 Mbit/s
95th percentile per-packet one-way delay: 29.689 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 87.62 Mbit/s
95th percentile per-packet one-way delay: 29.689 ms
Loss rate: 0.09%

Run 2: Report of PCC-Expr — Data Link

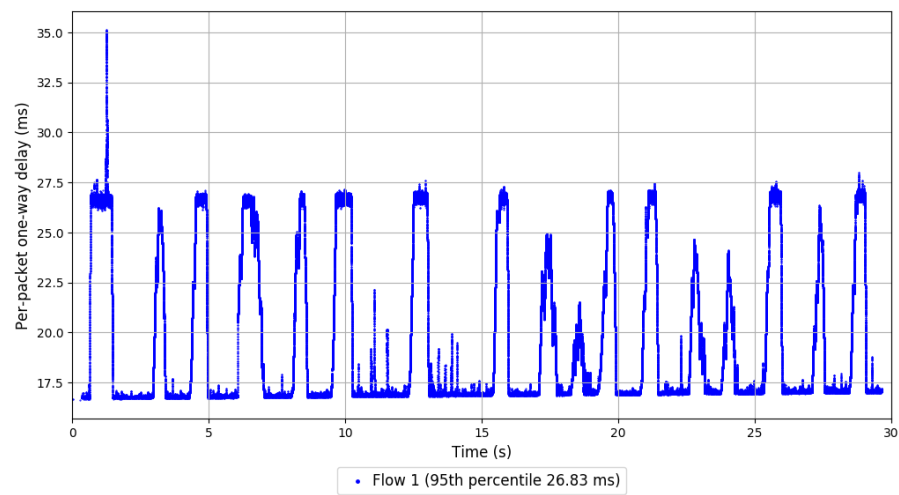
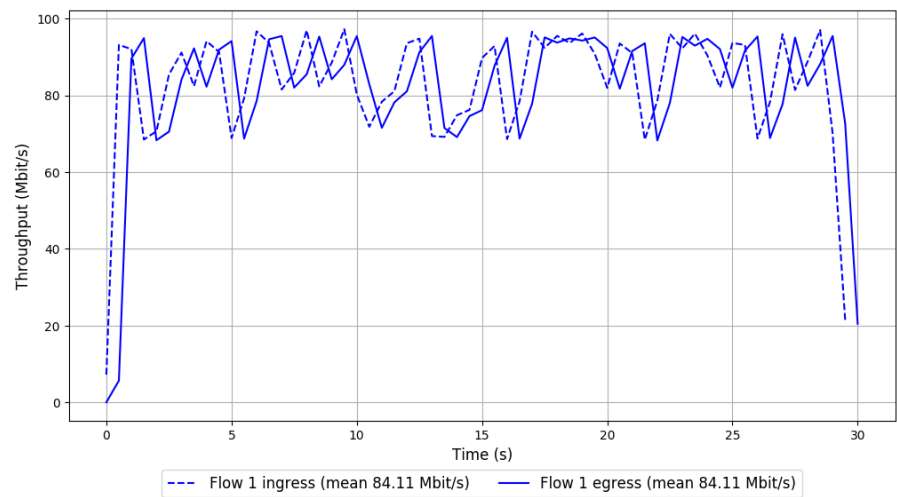


Run 3: Statistics of PCC-Expr

Start at: 2018-07-25 00:30:21
End at: 2018-07-25 00:30:51
Local clock offset: -1.45 ms
Remote clock offset: -15.227 ms

Below is generated by plot.py at 2018-07-25 03:14:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.11 Mbit/s
95th percentile per-packet one-way delay: 26.828 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 84.11 Mbit/s
95th percentile per-packet one-way delay: 26.828 ms
Loss rate: 0.09%

Run 3: Report of PCC-Expr — Data Link

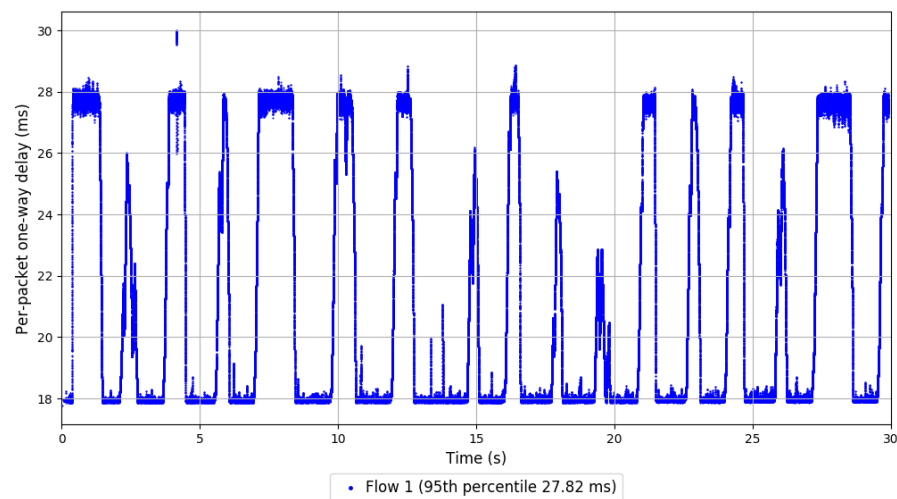
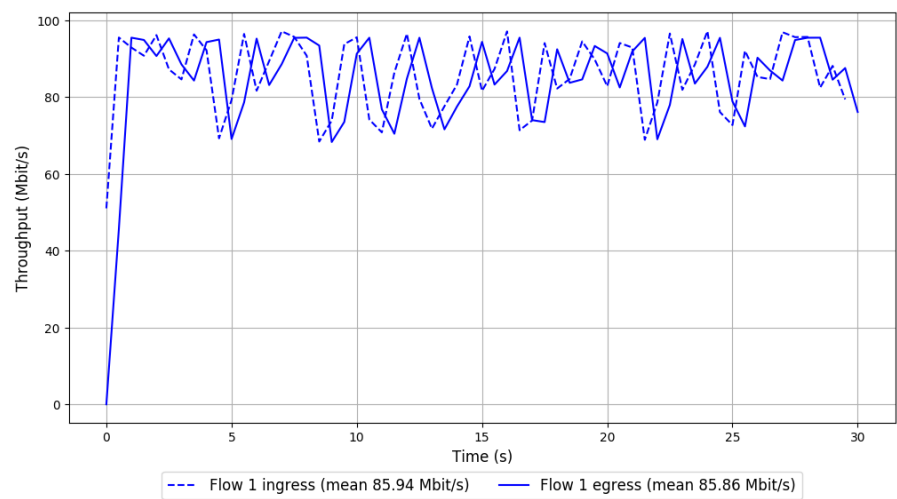


Run 4: Statistics of PCC-Expr

Start at: 2018-07-25 00:50:30
End at: 2018-07-25 00:51:00
Local clock offset: -1.097 ms
Remote clock offset: -10.922 ms

Below is generated by plot.py at 2018-07-25 03:14:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.86 Mbit/s
95th percentile per-packet one-way delay: 27.815 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 85.86 Mbit/s
95th percentile per-packet one-way delay: 27.815 ms
Loss rate: 0.17%

Run 4: Report of PCC-Expr — Data Link

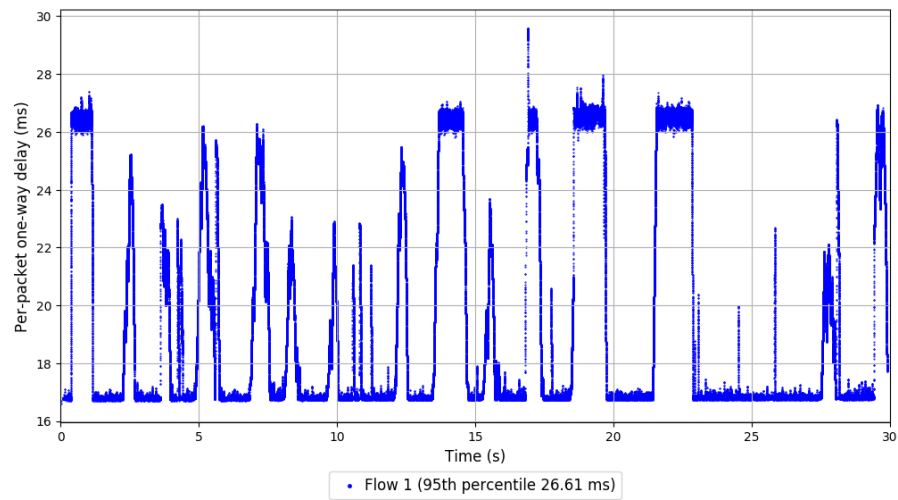
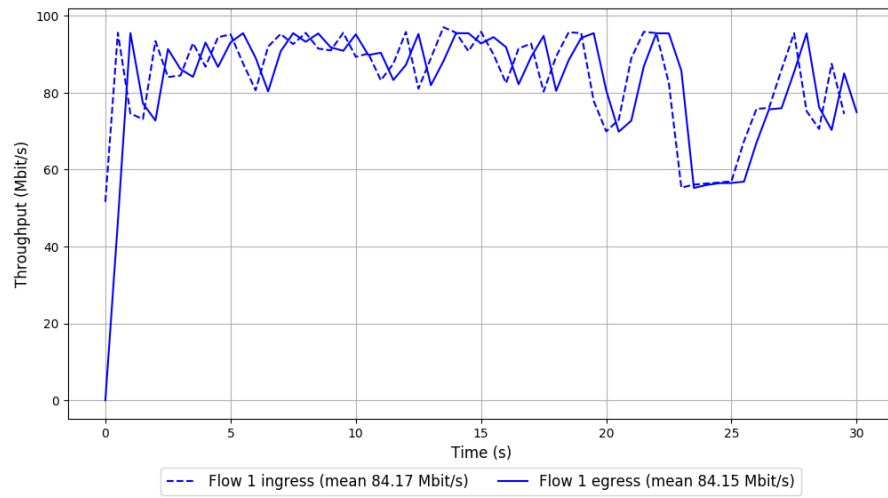


Run 5: Statistics of PCC-Expr

Start at: 2018-07-25 01:10:27
End at: 2018-07-25 01:10:57
Local clock offset: -2.007 ms
Remote clock offset: -9.168 ms

Below is generated by plot.py at 2018-07-25 03:14:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.15 Mbit/s
95th percentile per-packet one-way delay: 26.612 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 84.15 Mbit/s
95th percentile per-packet one-way delay: 26.612 ms
Loss rate: 0.11%

Run 5: Report of PCC-Expr — Data Link

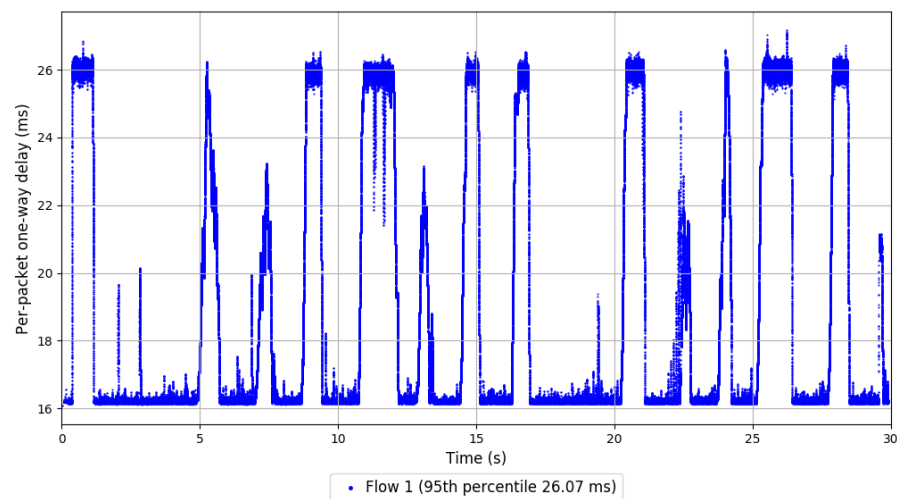
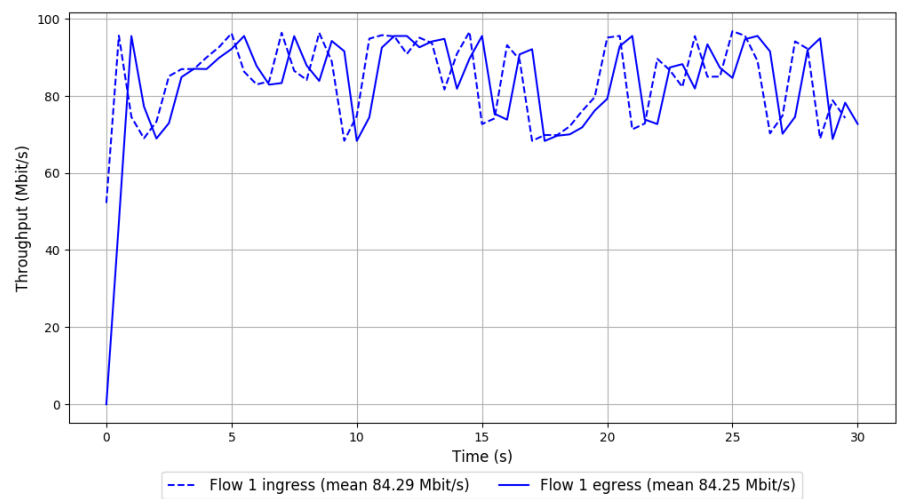


Run 6: Statistics of PCC-Expr

Start at: 2018-07-25 01:30:30
End at: 2018-07-25 01:31:00
Local clock offset: -3.572 ms
Remote clock offset: -9.325 ms

Below is generated by plot.py at 2018-07-25 03:14:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.25 Mbit/s
95th percentile per-packet one-way delay: 26.073 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 84.25 Mbit/s
95th percentile per-packet one-way delay: 26.073 ms
Loss rate: 0.13%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-25 01:50:35
End at: 2018-07-25 01:51:06
Local clock offset: 0.861 ms
Remote clock offset: -9.355 ms

Below is generated by plot.py at 2018-07-25 03:15:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.54 Mbit/s

95th percentile per-packet one-way delay: 27.151 ms

Loss rate: 0.20%

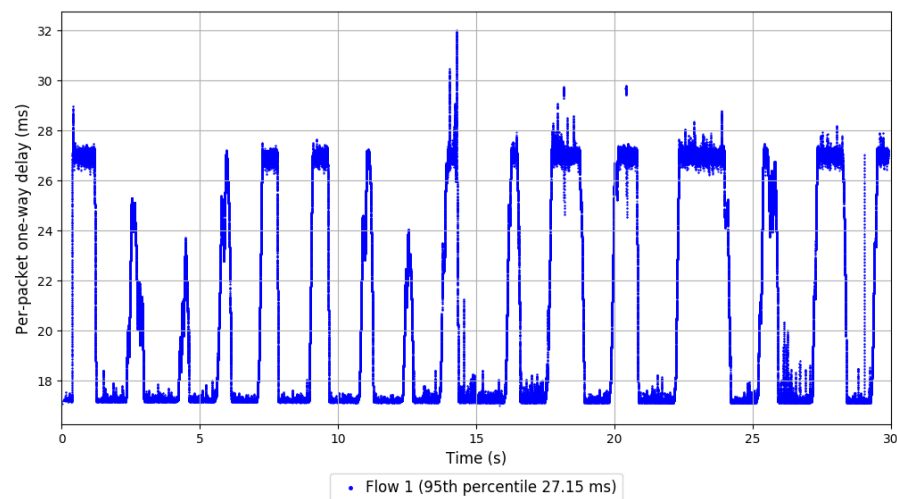
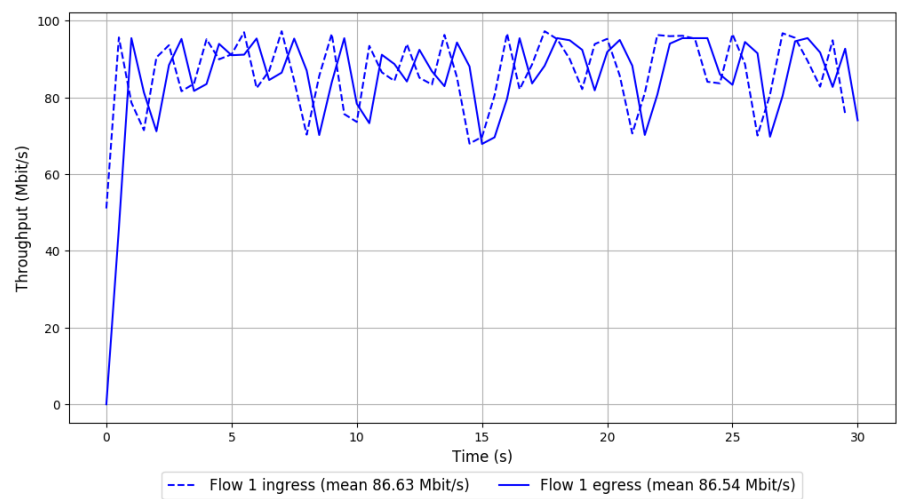
-- Flow 1:

Average throughput: 86.54 Mbit/s

95th percentile per-packet one-way delay: 27.151 ms

Loss rate: 0.20%

Run 7: Report of PCC-Expr — Data Link

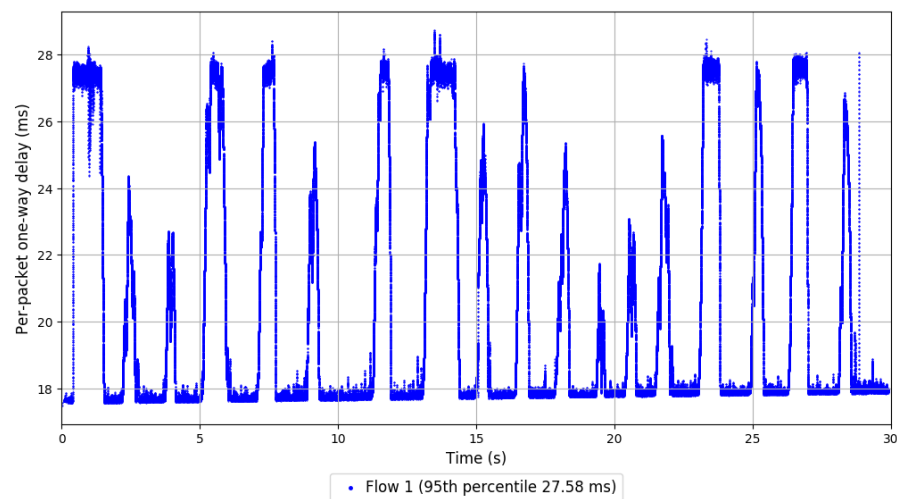
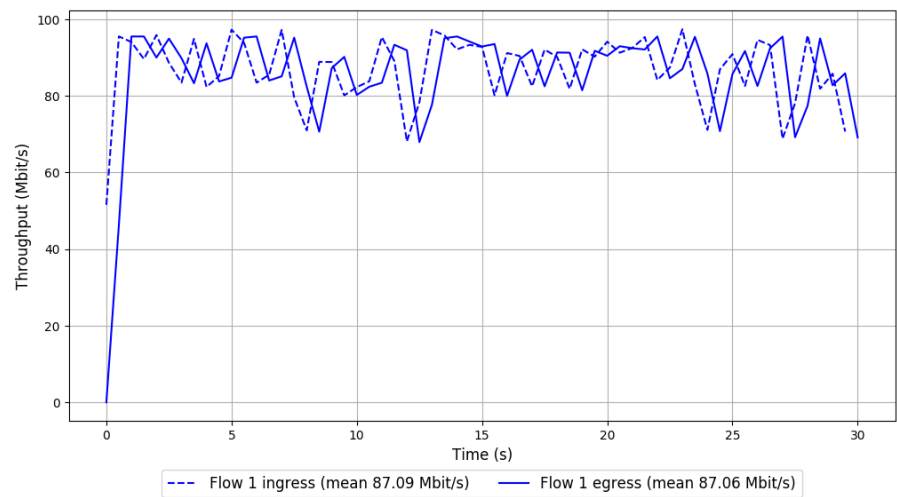


Run 8: Statistics of PCC-Expr

Start at: 2018-07-25 02:10:50
End at: 2018-07-25 02:11:20
Local clock offset: -0.076 ms
Remote clock offset: -10.014 ms

Below is generated by plot.py at 2018-07-25 03:15:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.06 Mbit/s
95th percentile per-packet one-way delay: 27.584 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 87.06 Mbit/s
95th percentile per-packet one-way delay: 27.584 ms
Loss rate: 0.12%

Run 8: Report of PCC-Expr — Data Link

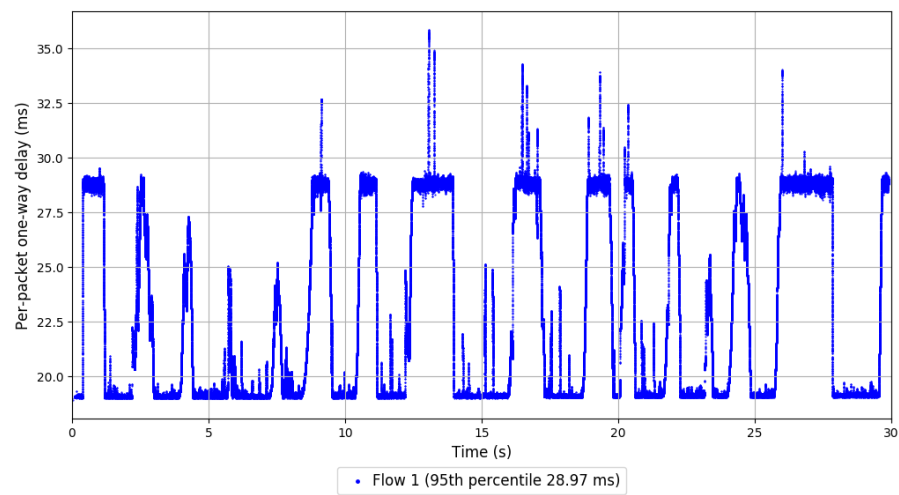
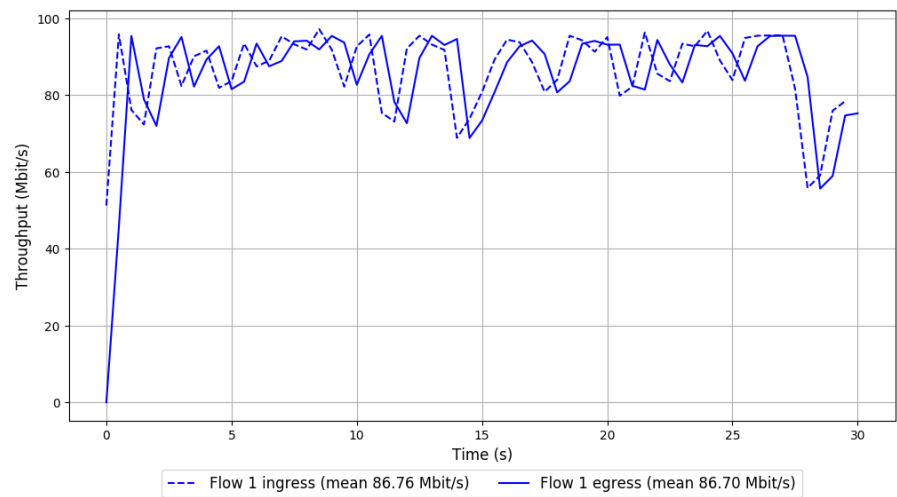


Run 9: Statistics of PCC-Expr

Start at: 2018-07-25 02:30:52
End at: 2018-07-25 02:31:22
Local clock offset: 1.808 ms
Remote clock offset: -3.801 ms

Below is generated by plot.py at 2018-07-25 03:15:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.70 Mbit/s
95th percentile per-packet one-way delay: 28.969 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 86.70 Mbit/s
95th percentile per-packet one-way delay: 28.969 ms
Loss rate: 0.17%

Run 9: Report of PCC-Expr — Data Link

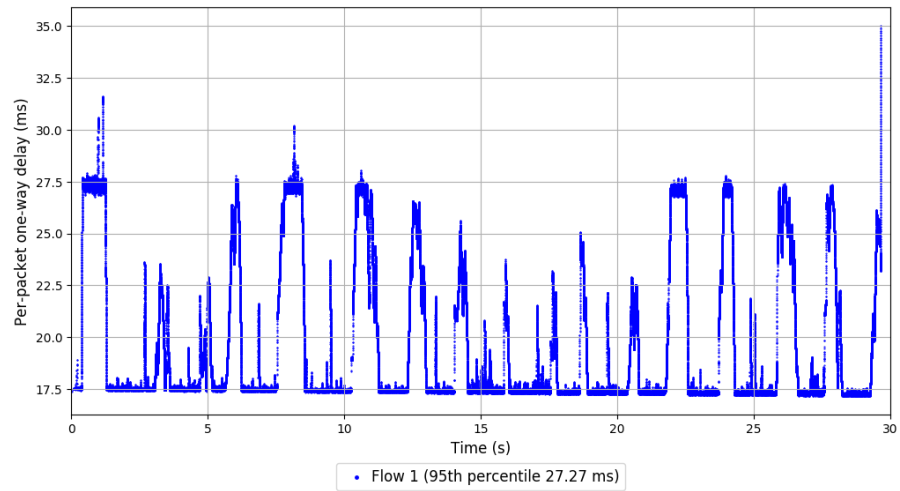
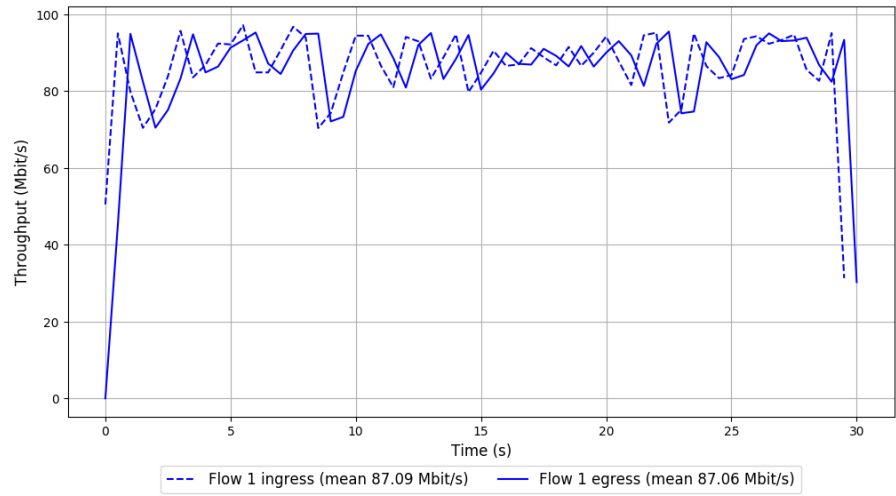


Run 10: Statistics of PCC-Expr

Start at: 2018-07-25 02:51:10
End at: 2018-07-25 02:51:40
Local clock offset: -0.895 ms
Remote clock offset: -8.644 ms

Below is generated by plot.py at 2018-07-25 03:15:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.06 Mbit/s
95th percentile per-packet one-way delay: 27.266 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 87.06 Mbit/s
95th percentile per-packet one-way delay: 27.266 ms
Loss rate: 0.12%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-24 23:53:05

End at: 2018-07-24 23:53:35

Local clock offset: -0.354 ms

Remote clock offset: -4.086 ms

Below is generated by plot.py at 2018-07-25 03:15:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.13 Mbit/s

95th percentile per-packet one-way delay: 24.391 ms

Loss rate: 0.12%

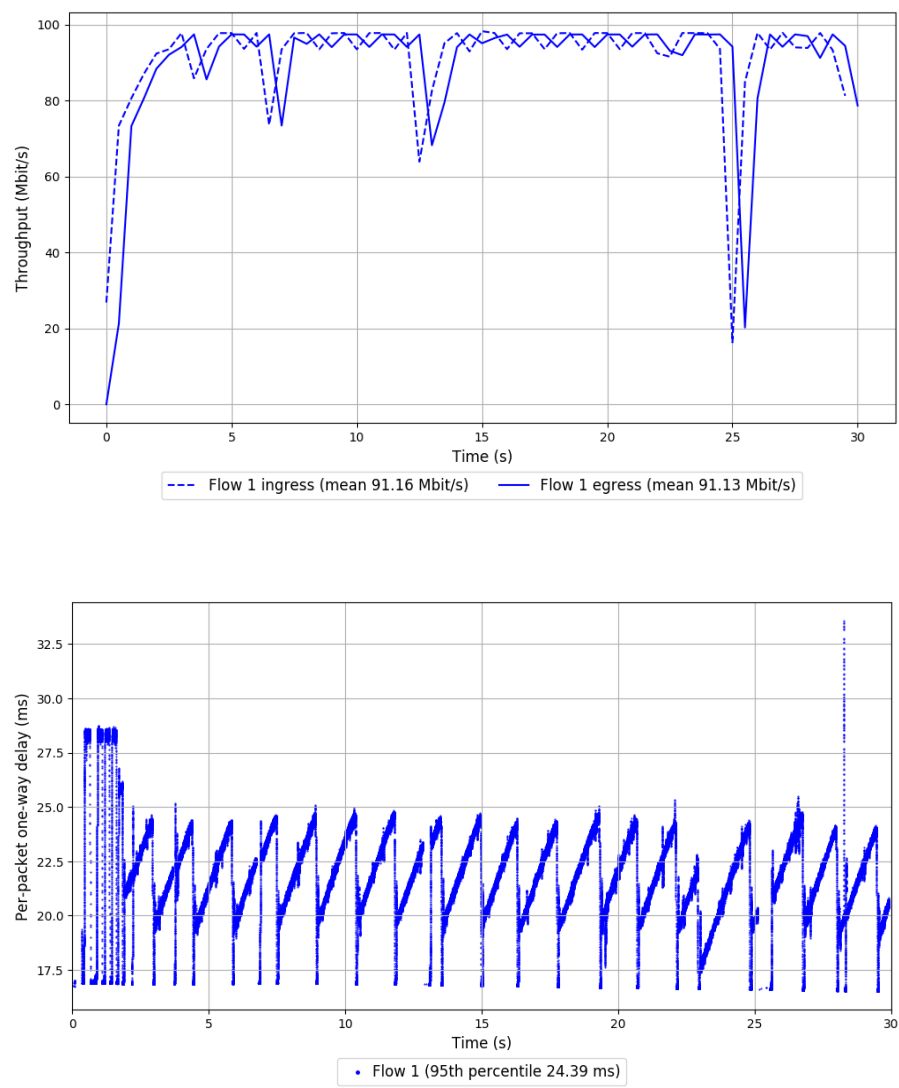
-- Flow 1:

Average throughput: 91.13 Mbit/s

95th percentile per-packet one-way delay: 24.391 ms

Loss rate: 0.12%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-25 00:12:47

End at: 2018-07-25 00:13:17

Local clock offset: 0.549 ms

Remote clock offset: -15.11 ms

Below is generated by plot.py at 2018-07-25 03:15:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.13 Mbit/s

95th percentile per-packet one-way delay: 26.207 ms

Loss rate: 0.12%

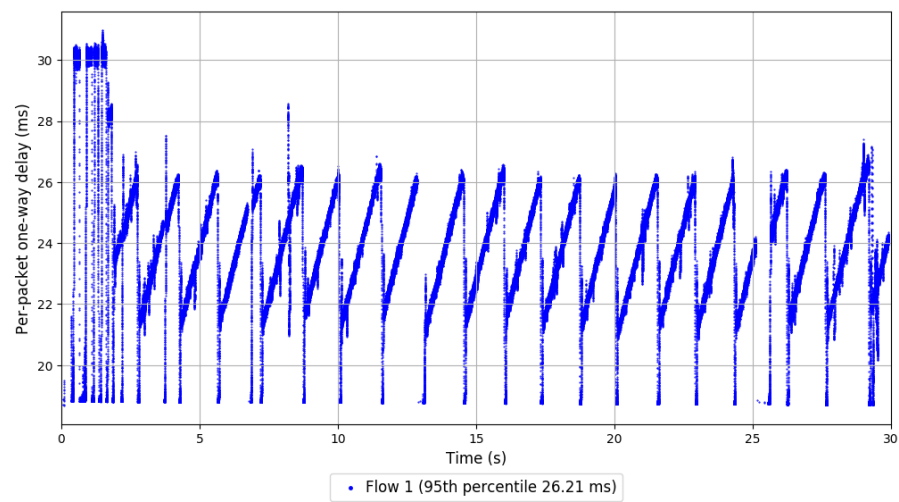
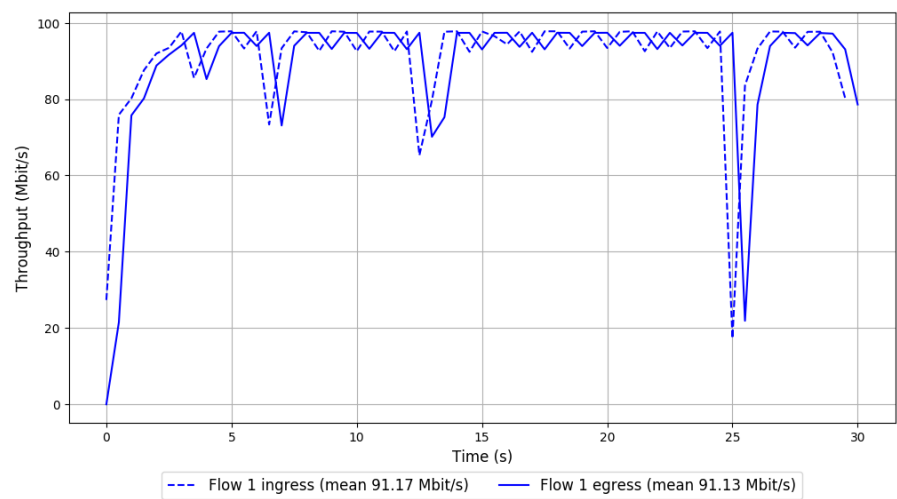
-- Flow 1:

Average throughput: 91.13 Mbit/s

95th percentile per-packet one-way delay: 26.207 ms

Loss rate: 0.12%

Run 2: Report of QUIC Cubic — Data Link

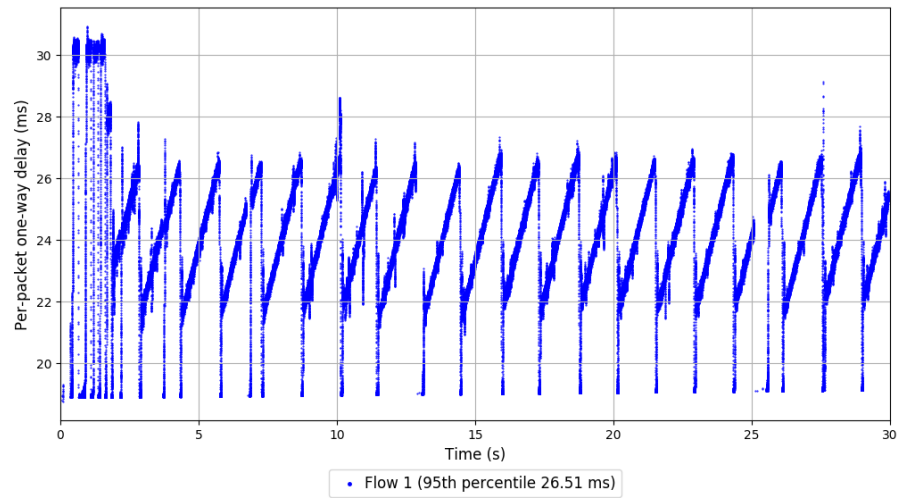
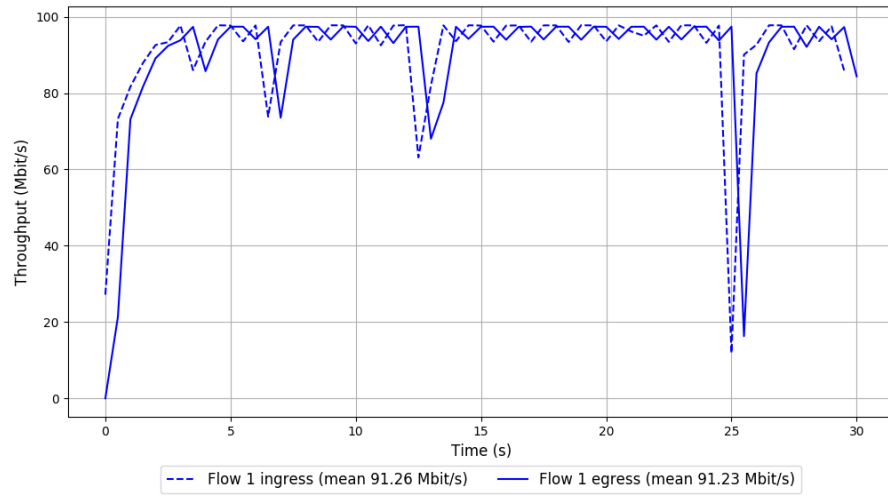


Run 3: Statistics of QUIC Cubic

Start at: 2018-07-25 00:32:48
End at: 2018-07-25 00:33:18
Local clock offset: -0.251 ms
Remote clock offset: -14.815 ms

Below is generated by plot.py at 2018-07-25 03:15:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.23 Mbit/s
95th percentile per-packet one-way delay: 26.511 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 91.23 Mbit/s
95th percentile per-packet one-way delay: 26.511 ms
Loss rate: 0.12%

Run 3: Report of QUIC Cubic — Data Link

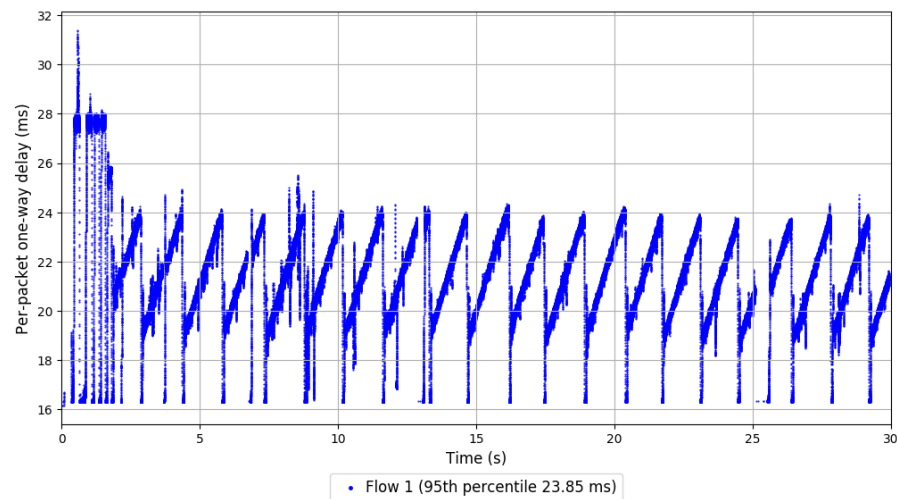
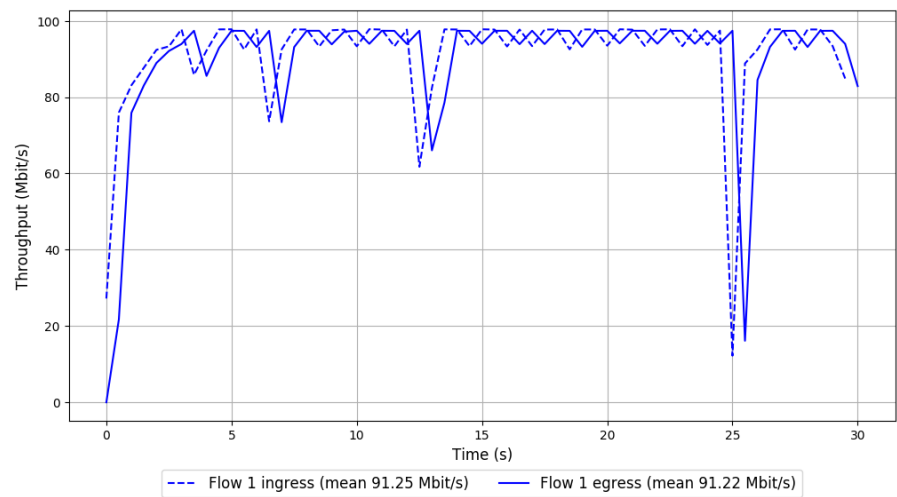


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-25 00:52:55
End at: 2018-07-25 00:53:25
Local clock offset: -3.081 ms
Remote clock offset: -11.184 ms

Below is generated by plot.py at 2018-07-25 03:15:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.22 Mbit/s
95th percentile per-packet one-way delay: 23.849 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 91.22 Mbit/s
95th percentile per-packet one-way delay: 23.849 ms
Loss rate: 0.12%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-25 01:12:50

End at: 2018-07-25 01:13:20

Local clock offset: -0.842 ms

Remote clock offset: -9.198 ms

Below is generated by plot.py at 2018-07-25 03:16:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.62 Mbit/s

95th percentile per-packet one-way delay: 26.611 ms

Loss rate: 0.13%

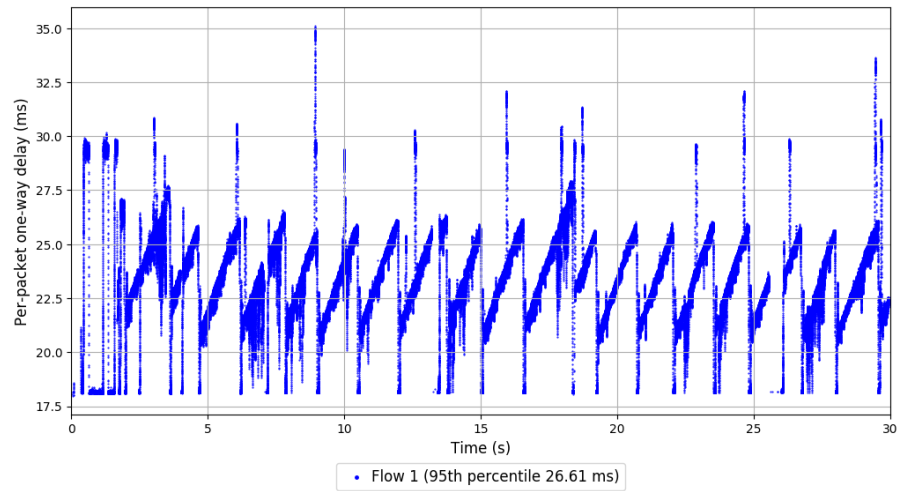
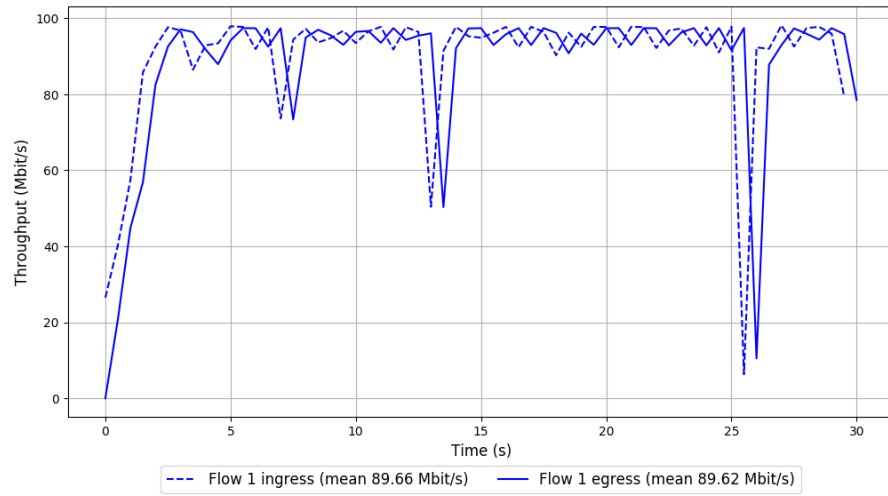
-- Flow 1:

Average throughput: 89.62 Mbit/s

95th percentile per-packet one-way delay: 26.611 ms

Loss rate: 0.13%

Run 5: Report of QUIC Cubic — Data Link

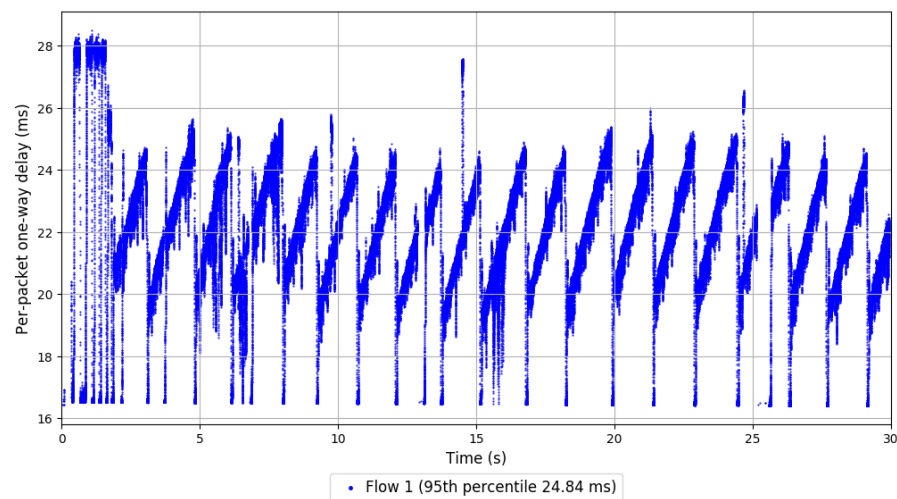
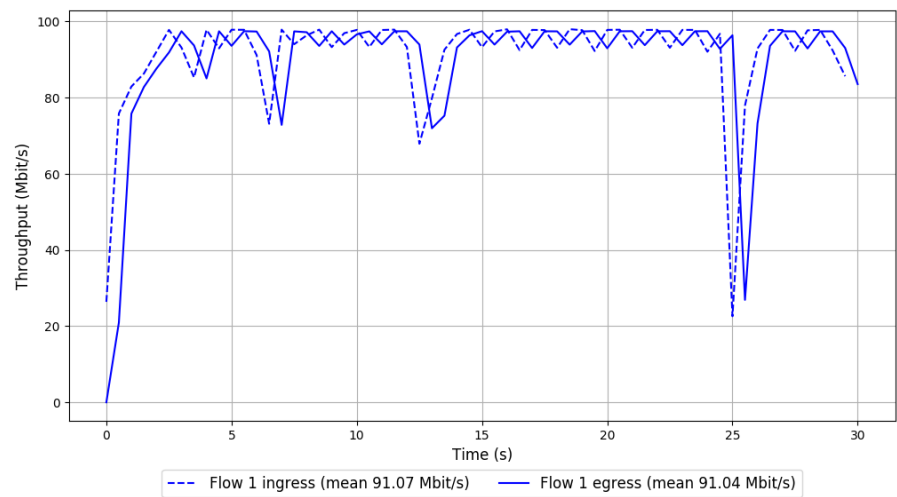


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-25 01:32:53
End at: 2018-07-25 01:33:23
Local clock offset: -1.969 ms
Remote clock offset: -8.505 ms

Below is generated by plot.py at 2018-07-25 03:16:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.04 Mbit/s
95th percentile per-packet one-way delay: 24.844 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 91.04 Mbit/s
95th percentile per-packet one-way delay: 24.844 ms
Loss rate: 0.12%

Run 6: Report of QUIC Cubic — Data Link

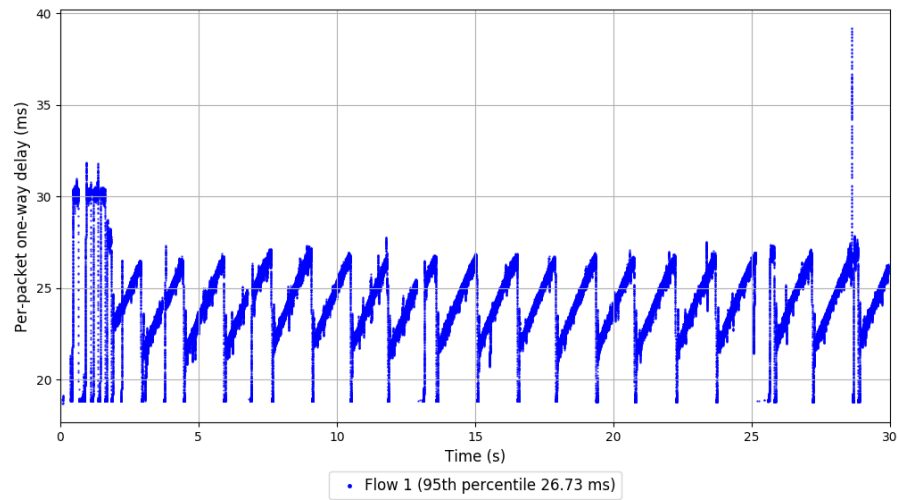
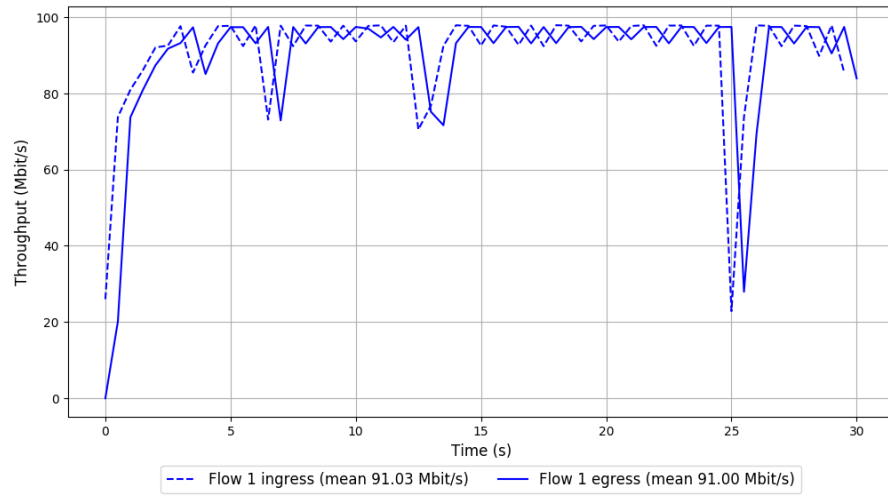


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-25 01:53:10
End at: 2018-07-25 01:53:40
Local clock offset: 2.359 ms
Remote clock offset: -9.669 ms

Below is generated by plot.py at 2018-07-25 03:16:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.00 Mbit/s
95th percentile per-packet one-way delay: 26.733 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 91.00 Mbit/s
95th percentile per-packet one-way delay: 26.733 ms
Loss rate: 0.13%

Run 7: Report of QUIC Cubic — Data Link

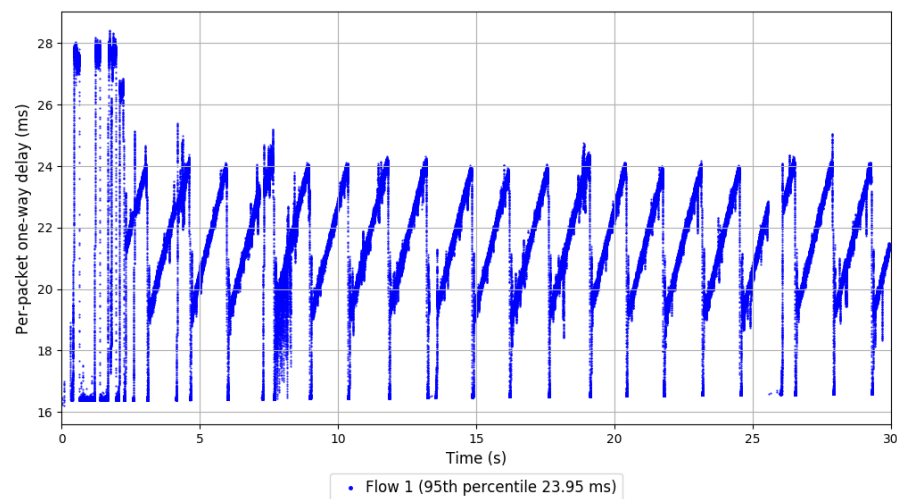
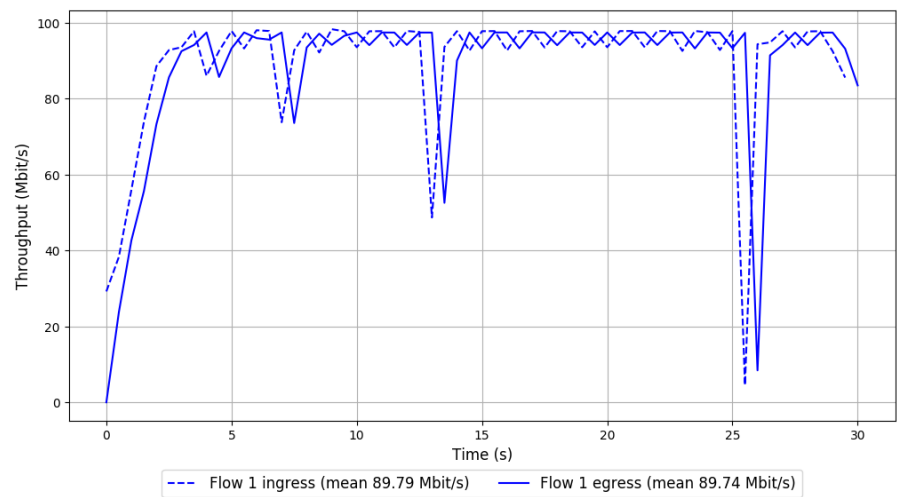


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-25 02:13:15
End at: 2018-07-25 02:13:45
Local clock offset: -0.934 ms
Remote clock offset: -8.282 ms

Below is generated by plot.py at 2018-07-25 03:16:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.74 Mbit/s
95th percentile per-packet one-way delay: 23.948 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 89.74 Mbit/s
95th percentile per-packet one-way delay: 23.948 ms
Loss rate: 0.13%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-25 02:33:26

End at: 2018-07-25 02:33:56

Local clock offset: 2.071 ms

Remote clock offset: -3.117 ms

Below is generated by plot.py at 2018-07-25 03:16:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.86 Mbit/s

95th percentile per-packet one-way delay: 27.842 ms

Loss rate: 0.12%

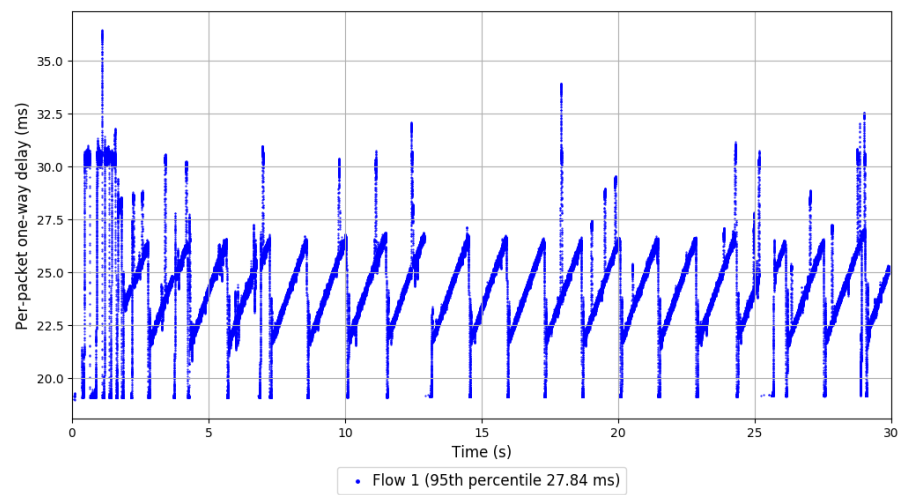
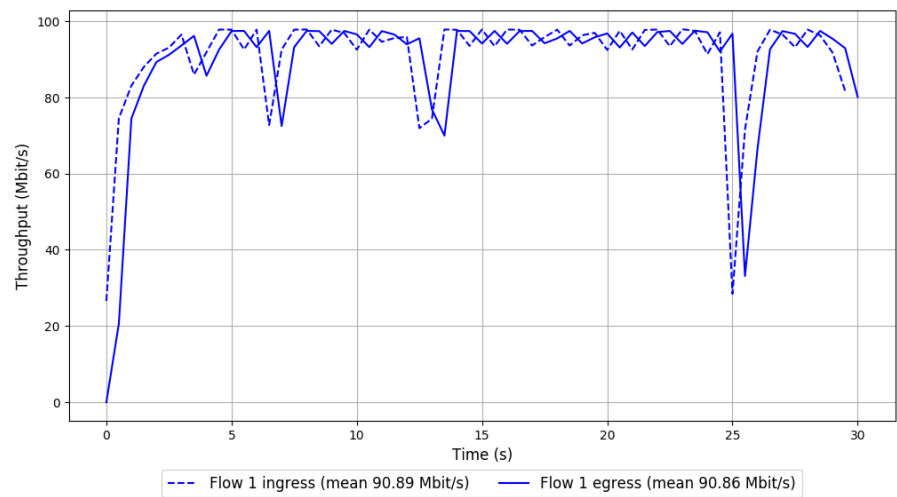
-- Flow 1:

Average throughput: 90.86 Mbit/s

95th percentile per-packet one-way delay: 27.842 ms

Loss rate: 0.12%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-25 02:53:38

End at: 2018-07-25 02:54:08

Local clock offset: 2.009 ms

Remote clock offset: -9.37 ms

Below is generated by plot.py at 2018-07-25 03:16:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.85 Mbit/s

95th percentile per-packet one-way delay: 28.402 ms

Loss rate: 0.12%

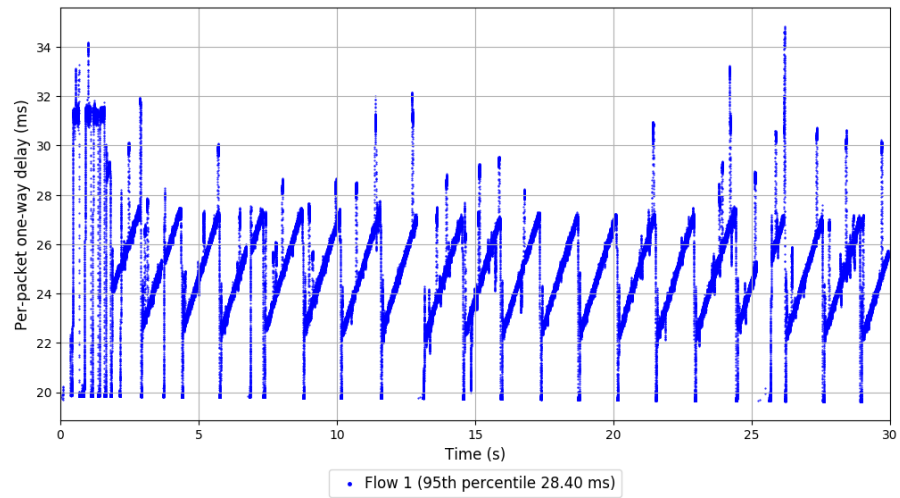
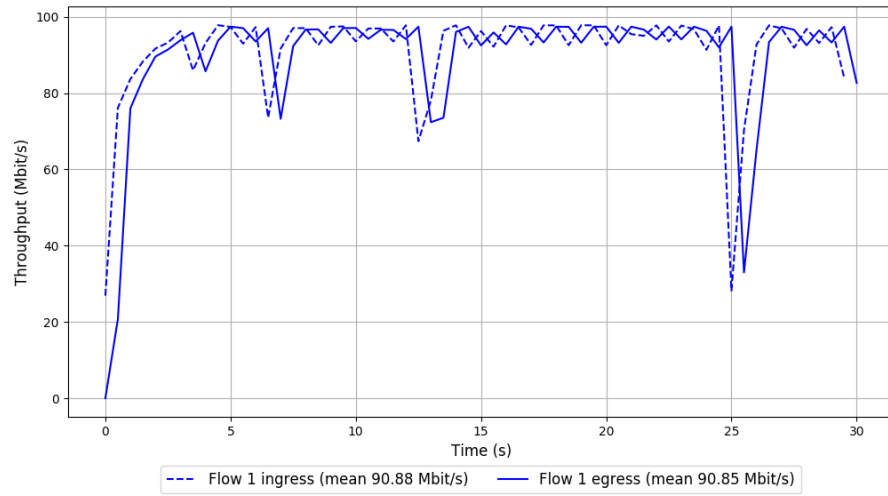
-- Flow 1:

Average throughput: 90.85 Mbit/s

95th percentile per-packet one-way delay: 28.402 ms

Loss rate: 0.12%

Run 10: Report of QUIC Cubic — Data Link

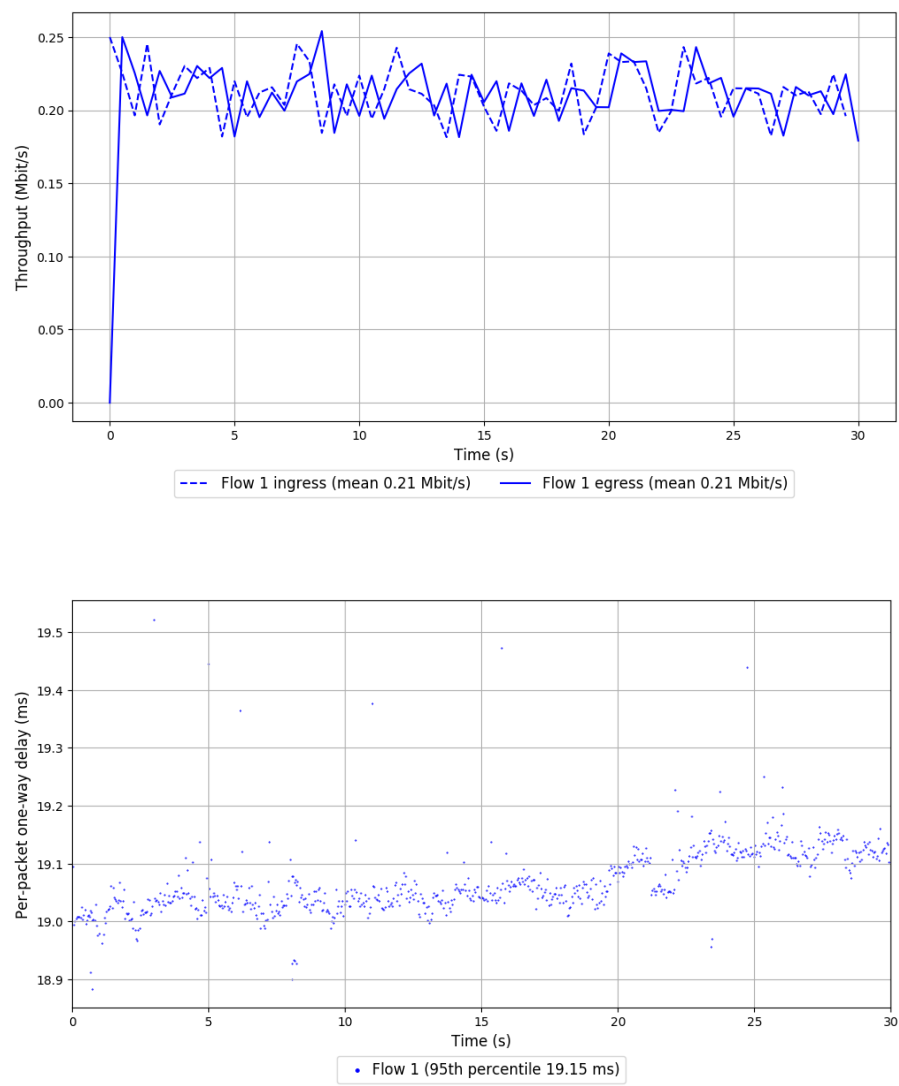


```
Run 1: Statistics of SCReAM

Start at: 2018-07-24 23:39:18
End at: 2018-07-24 23:39:48
Local clock offset: 1.726 ms
Remote clock offset: -5.819 ms

# Below is generated by plot.py at 2018-07-25 03:16:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 19.146 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 19.146 ms
Loss rate: 0.13%
```

Run 1: Report of SReAM — Data Link

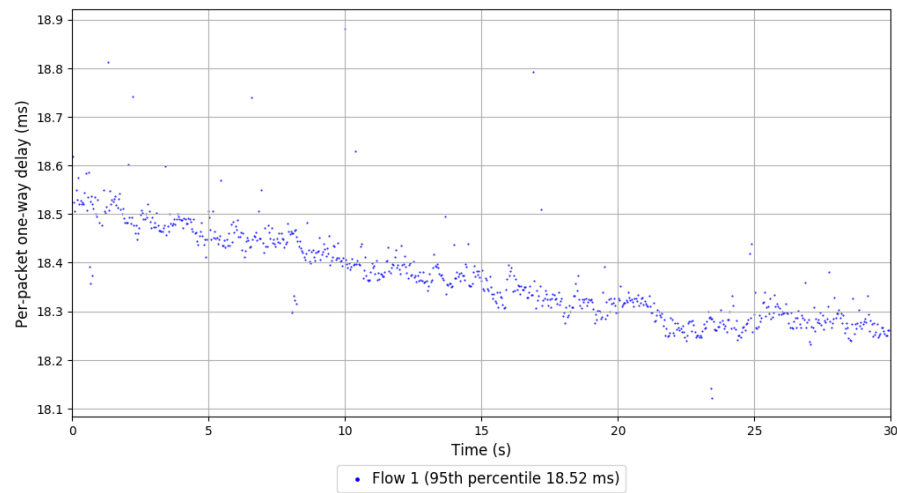
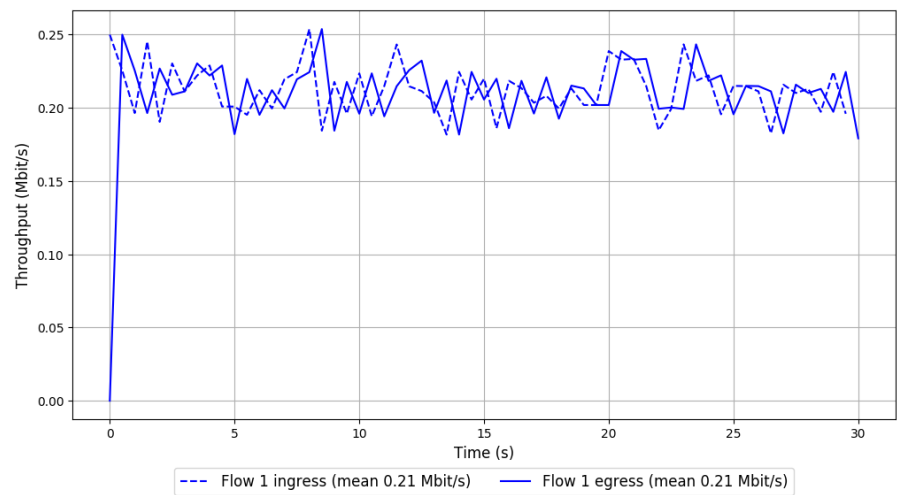


Run 2: Statistics of SCReAM

Start at: 2018-07-24 23:58:52
End at: 2018-07-24 23:59:23
Local clock offset: 1.396 ms
Remote clock offset: -8.728 ms

Below is generated by plot.py at 2018-07-25 03:16:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 18.520 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 18.520 ms
Loss rate: 0.13%

Run 2: Report of SCReAM — Data Link

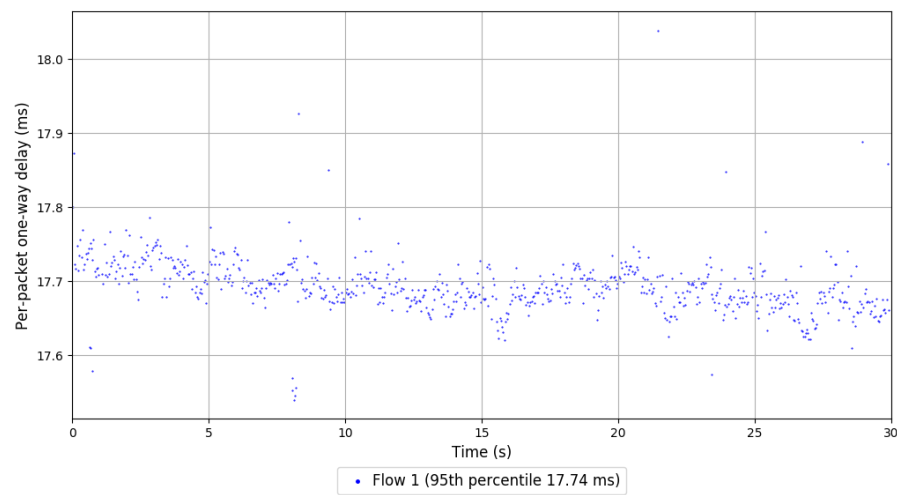
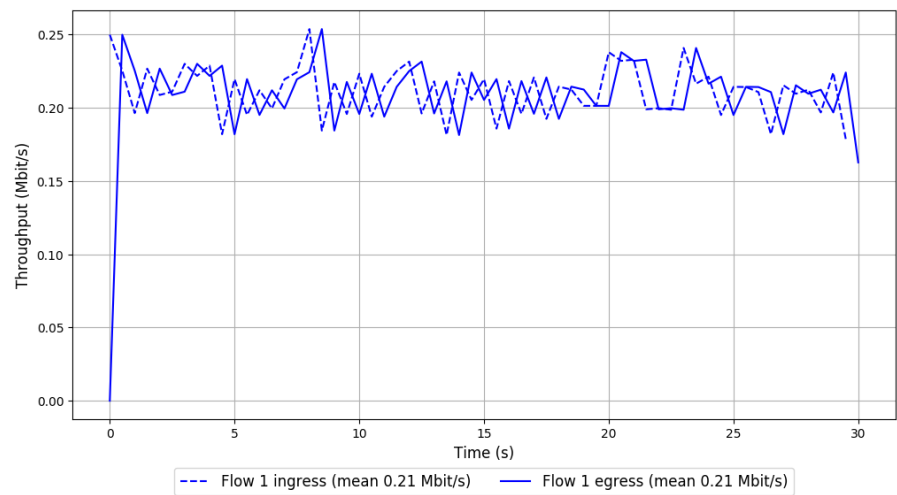


Run 3: Statistics of SCReAM

Start at: 2018-07-25 00:18:43
End at: 2018-07-25 00:19:13
Local clock offset: -0.549 ms
Remote clock offset: -16.306 ms

Below is generated by plot.py at 2018-07-25 03:16:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.742 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.742 ms
Loss rate: 0.13%

Run 3: Report of SReAM — Data Link

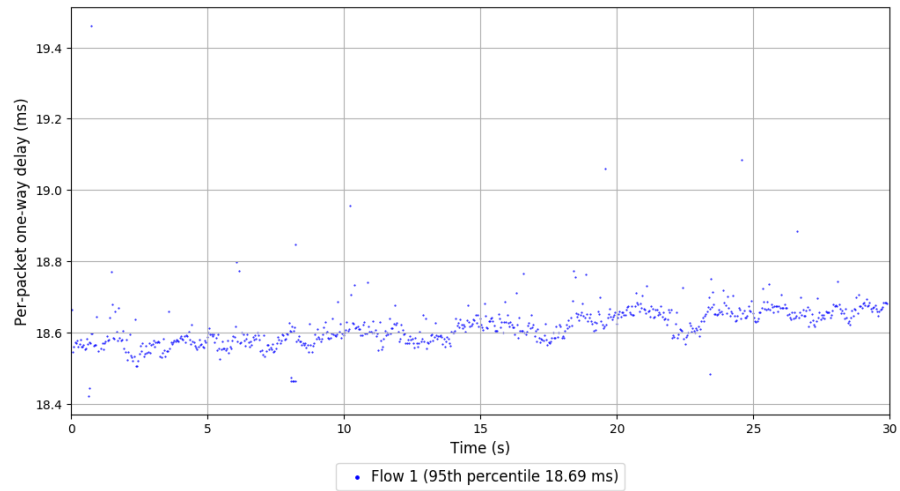
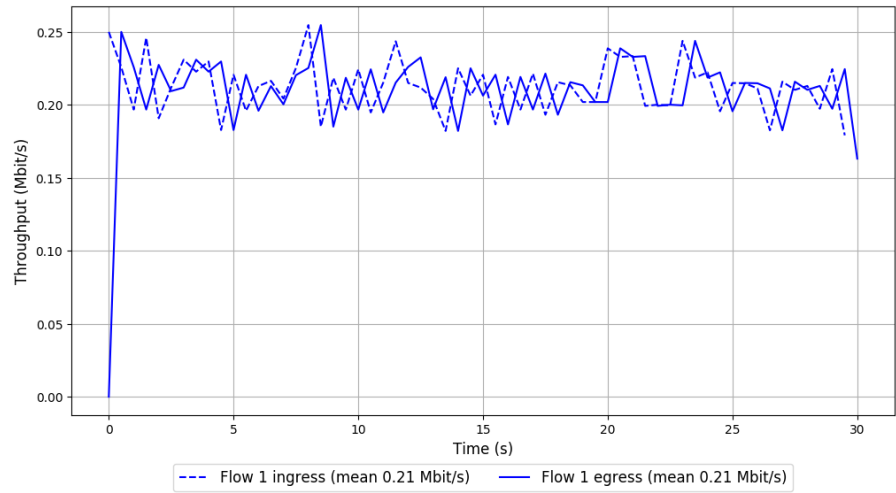


Run 4: Statistics of SCReAM

Start at: 2018-07-25 00:38:50
End at: 2018-07-25 00:39:20
Local clock offset: 0.052 ms
Remote clock offset: -11.939 ms

Below is generated by plot.py at 2018-07-25 03:16:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 18.689 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 18.689 ms
Loss rate: 0.13%

Run 4: Report of SReAM — Data Link

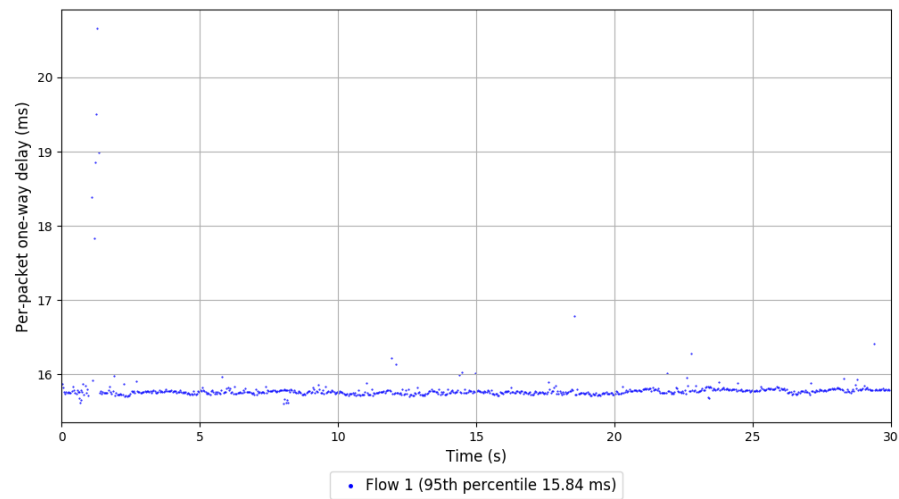
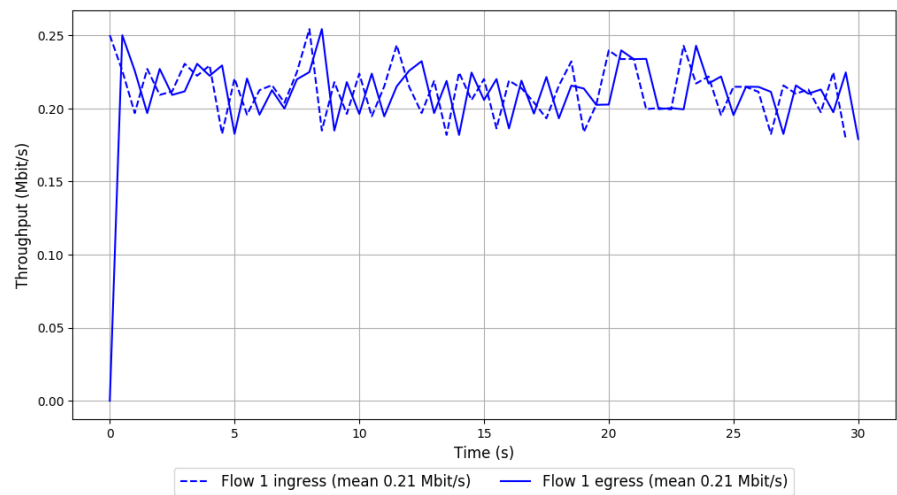


Run 5: Statistics of SCReAM

Start at: 2018-07-25 00:58:53
End at: 2018-07-25 00:59:23
Local clock offset: -2.822 ms
Remote clock offset: -10.21 ms

Below is generated by plot.py at 2018-07-25 03:16:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.836 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.836 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

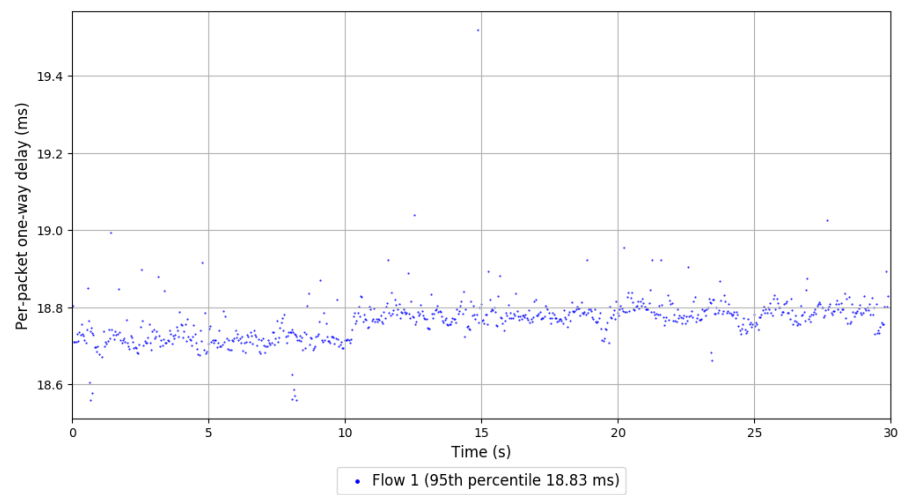
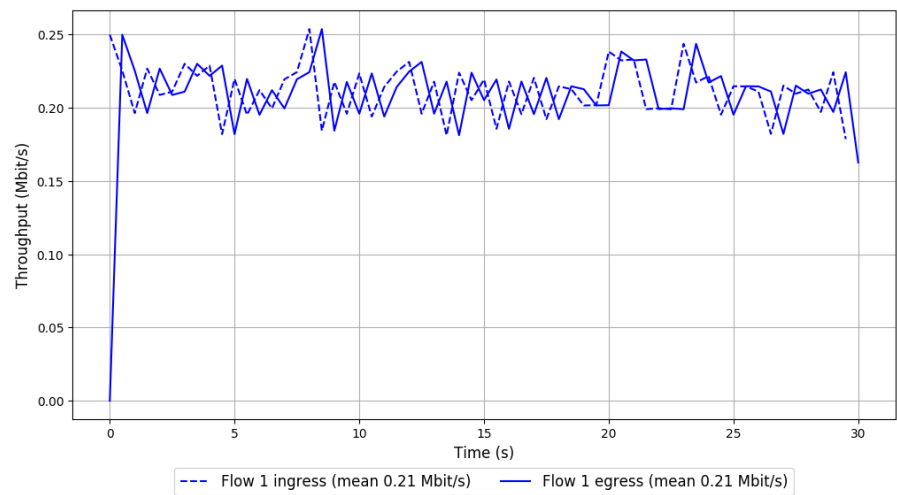


Run 6: Statistics of SCReAM

Start at: 2018-07-25 01:18:47
End at: 2018-07-25 01:19:17
Local clock offset: -0.682 ms
Remote clock offset: -9.334 ms

Below is generated by plot.py at 2018-07-25 03:16:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 18.829 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 18.829 ms
Loss rate: 0.13%

Run 6: Report of SReAM — Data Link

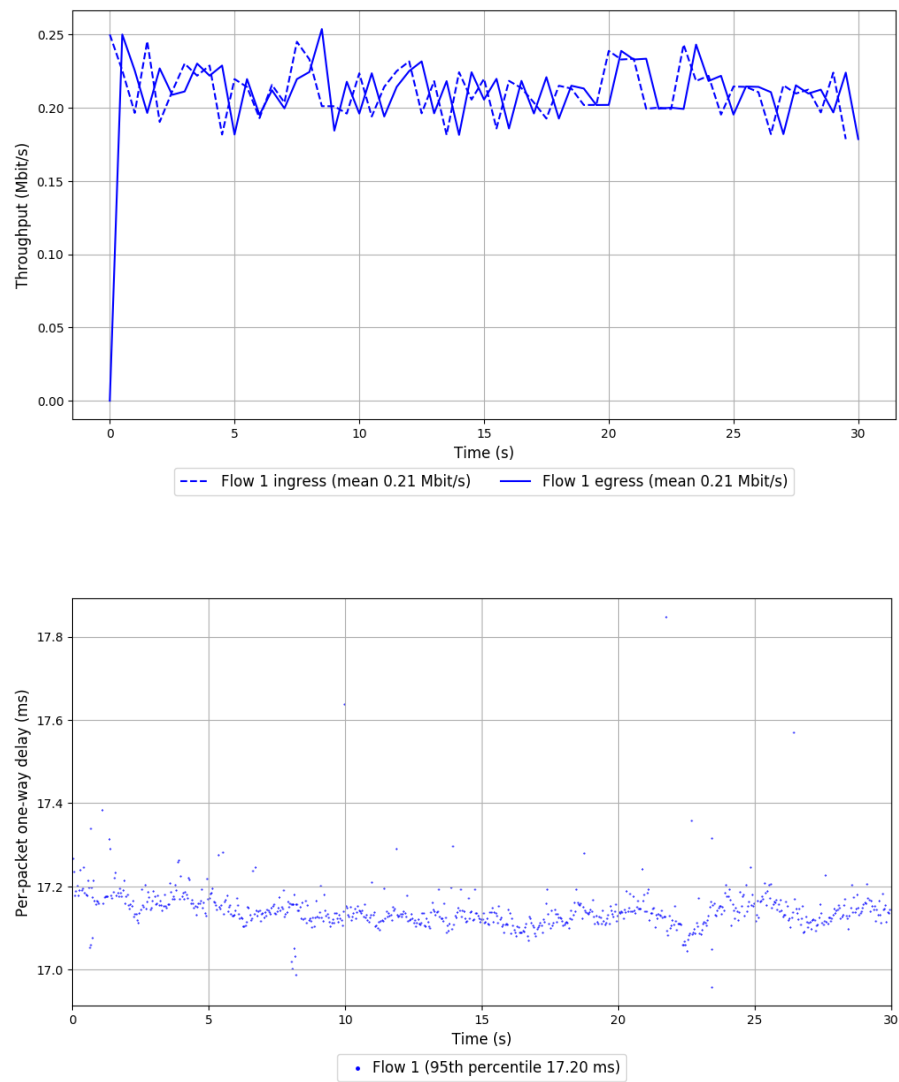


Run 7: Statistics of SCReAM

Start at: 2018-07-25 01:38:54
End at: 2018-07-25 01:39:24
Local clock offset: -0.349 ms
Remote clock offset: -9.023 ms

Below is generated by plot.py at 2018-07-25 03:16:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.205 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.205 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

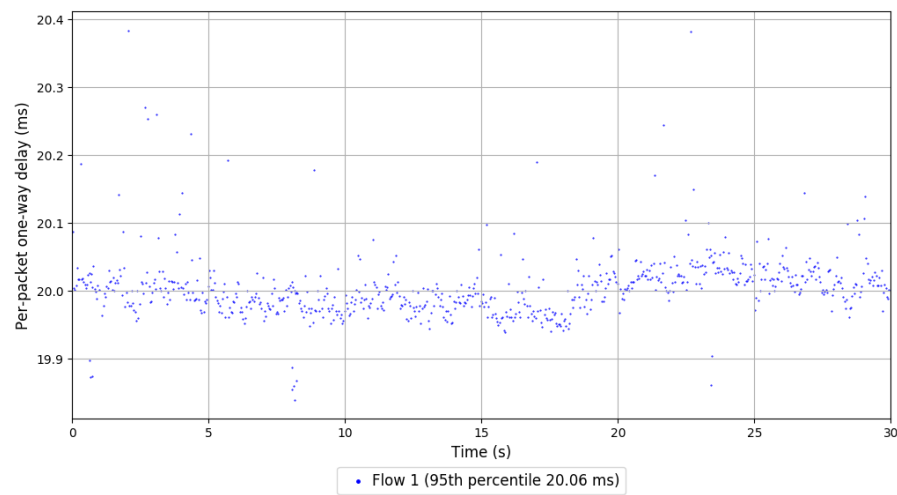
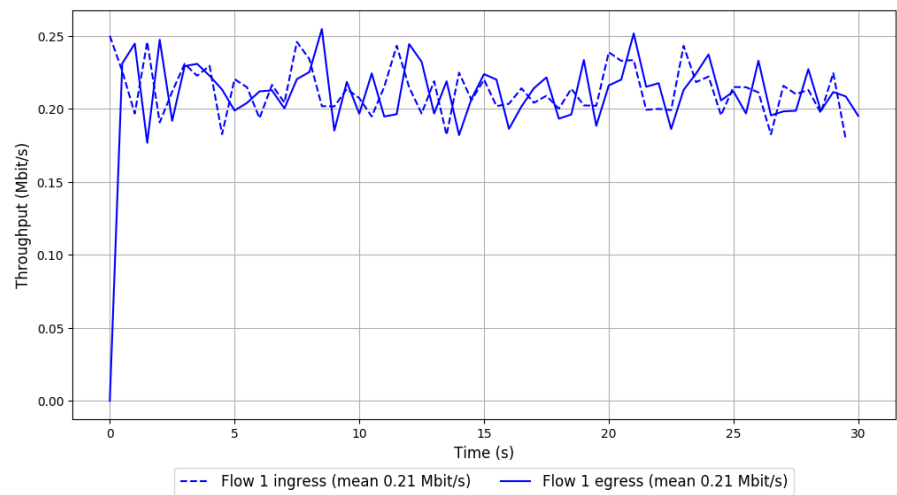


Run 8: Statistics of SCReAM

Start at: 2018-07-25 01:59:07
End at: 2018-07-25 01:59:37
Local clock offset: -1.186 ms
Remote clock offset: -14.738 ms

Below is generated by plot.py at 2018-07-25 03:16:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 20.062 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 20.062 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

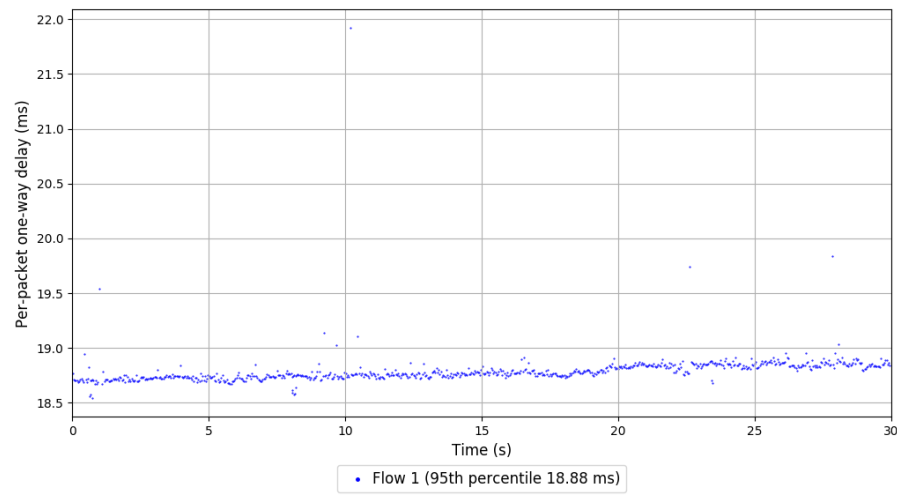
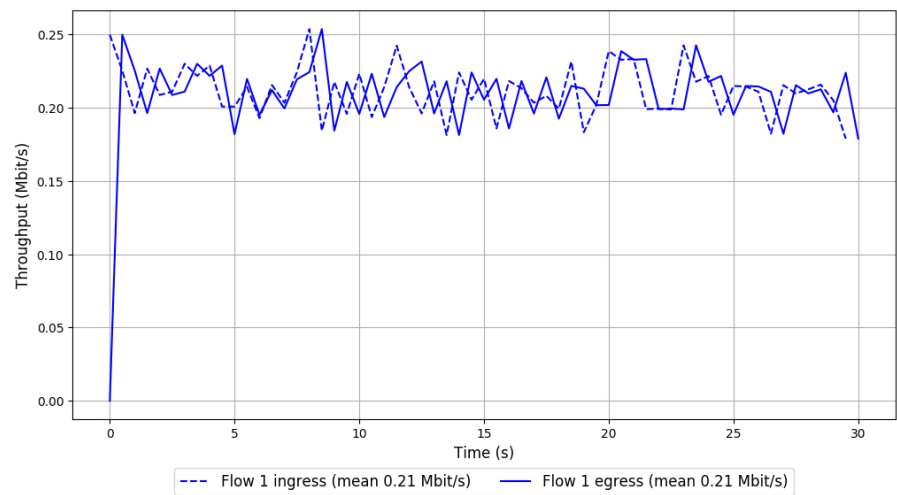


Run 9: Statistics of SCReAM

Start at: 2018-07-25 02:19:11
End at: 2018-07-25 02:19:41
Local clock offset: 1.528 ms
Remote clock offset: -5.927 ms

Below is generated by plot.py at 2018-07-25 03:16:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 18.880 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 18.880 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

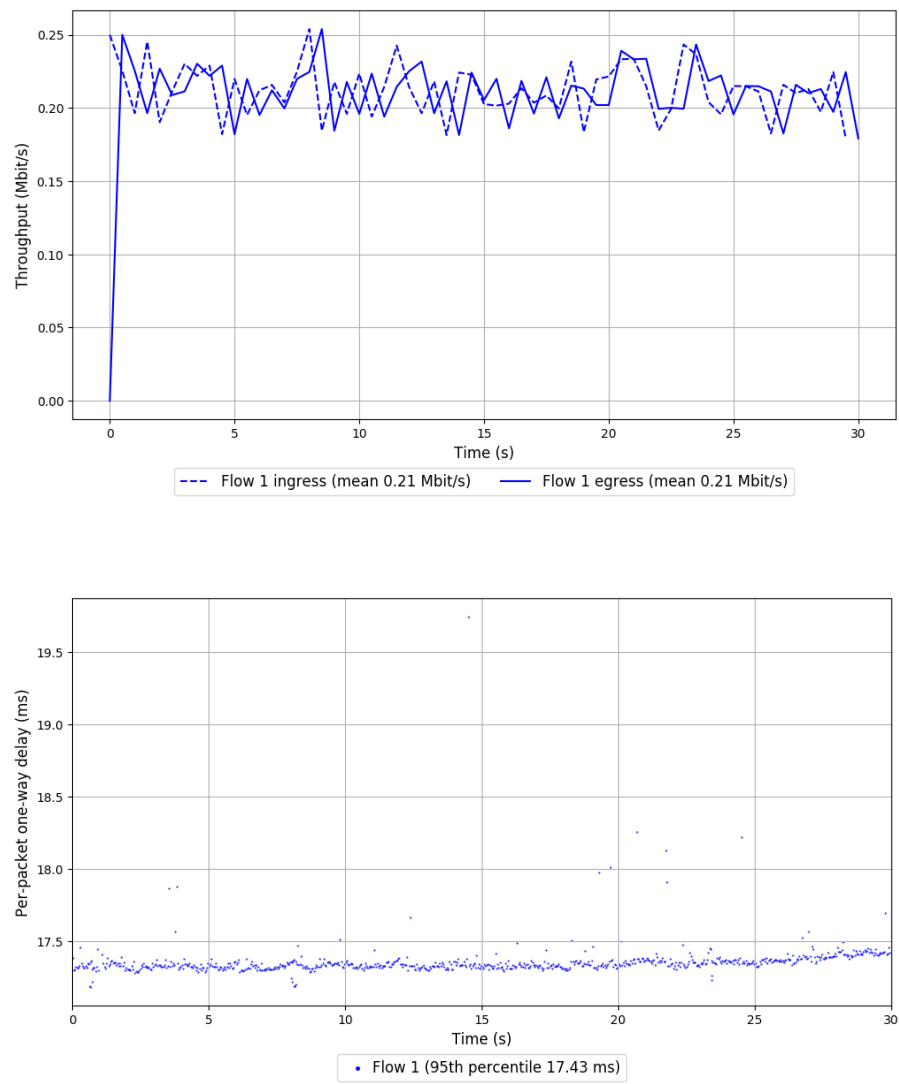


Run 10: Statistics of SReAM

Start at: 2018-07-25 02:39:23
End at: 2018-07-25 02:39:53
Local clock offset: -0.643 ms
Remote clock offset: -3.253 ms

Below is generated by plot.py at 2018-07-25 03:16:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.433 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.433 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-24 23:40:22

End at: 2018-07-24 23:40:52

Local clock offset: 2.066 ms

Remote clock offset: -5.908 ms

Below is generated by plot.py at 2018-07-25 03:16:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.39 Mbit/s

95th percentile per-packet one-way delay: 27.402 ms

Loss rate: 0.03%

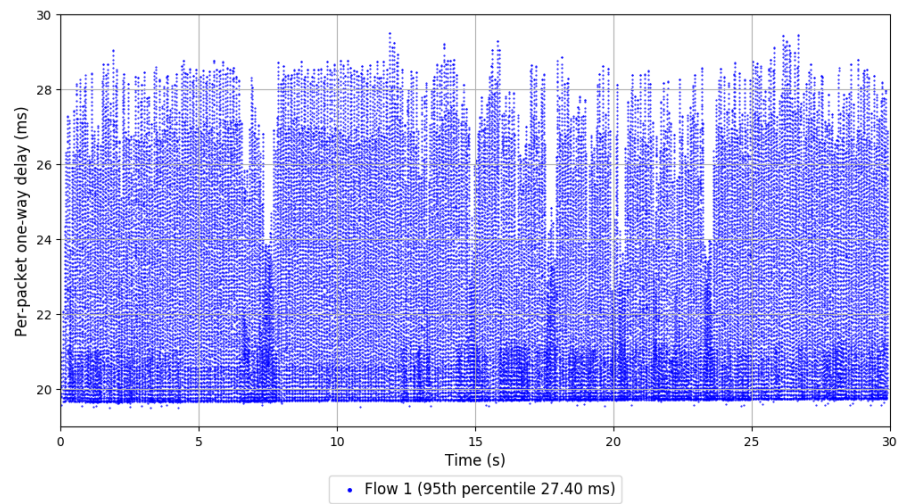
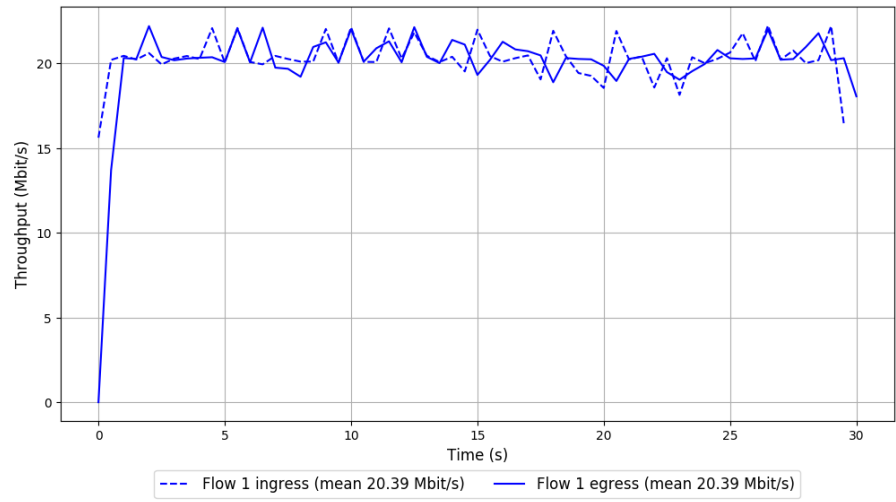
-- Flow 1:

Average throughput: 20.39 Mbit/s

95th percentile per-packet one-way delay: 27.402 ms

Loss rate: 0.03%

Run 1: Report of Sprout — Data Link

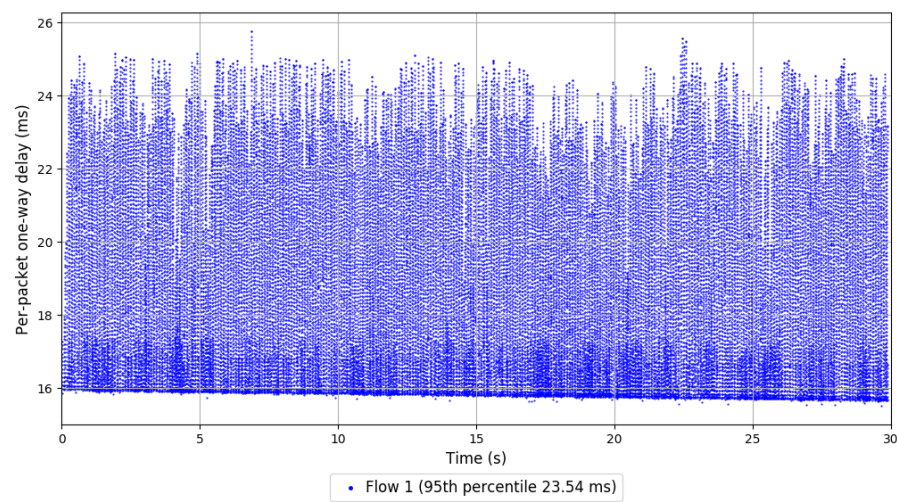
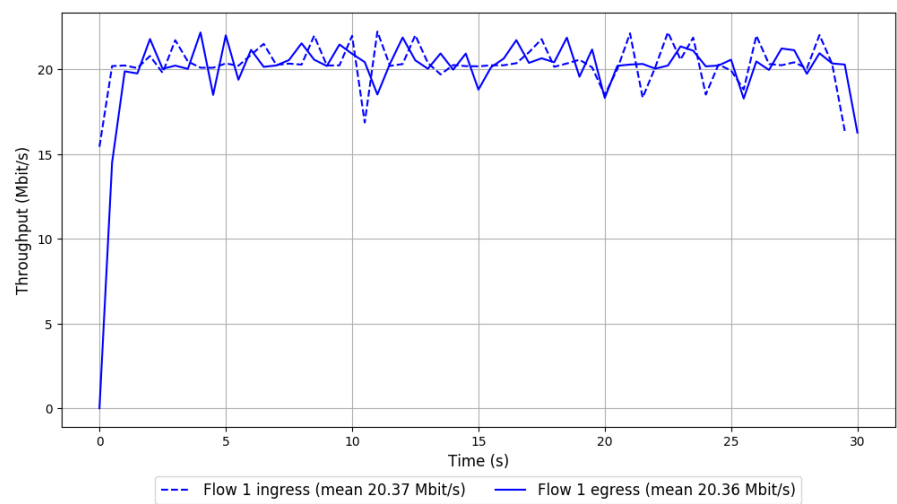


Run 2: Statistics of Sprout

Start at: 2018-07-24 23:59:57
End at: 2018-07-25 00:00:27
Local clock offset: -1.719 ms
Remote clock offset: -9.895 ms

Below is generated by plot.py at 2018-07-25 03:16:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.36 Mbit/s
95th percentile per-packet one-way delay: 23.542 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 20.36 Mbit/s
95th percentile per-packet one-way delay: 23.542 ms
Loss rate: 0.15%

Run 2: Report of Sprout — Data Link

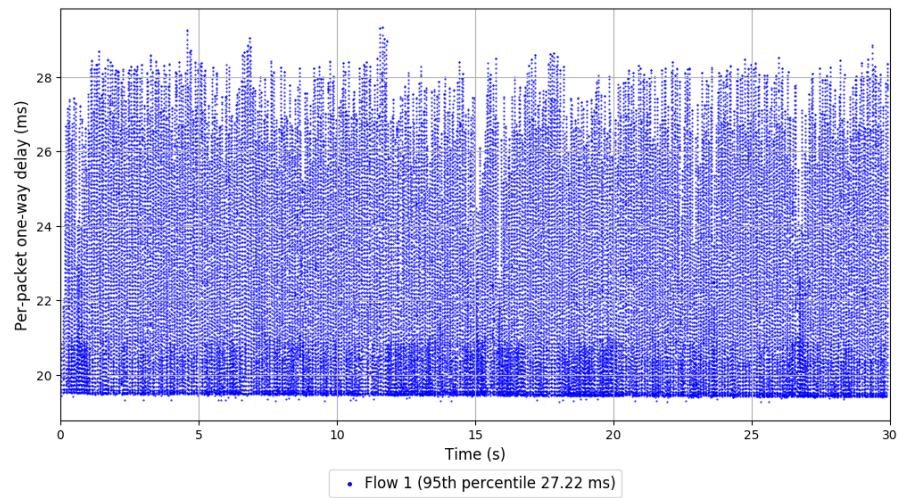
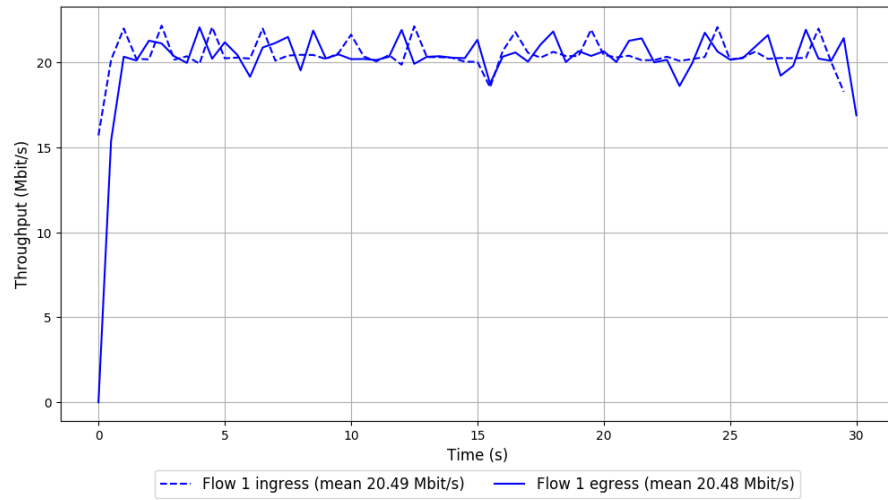


Run 3: Statistics of Sprout

Start at: 2018-07-25 00:19:47
End at: 2018-07-25 00:20:17
Local clock offset: 0.957 ms
Remote clock offset: -16.756 ms

Below is generated by plot.py at 2018-07-25 03:16:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.48 Mbit/s
95th percentile per-packet one-way delay: 27.218 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 20.48 Mbit/s
95th percentile per-packet one-way delay: 27.218 ms
Loss rate: 0.16%

Run 3: Report of Sprout — Data Link

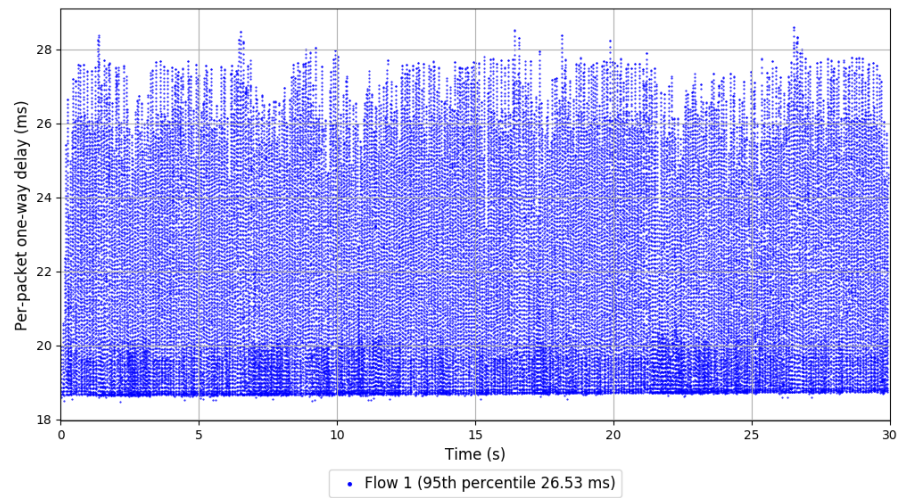
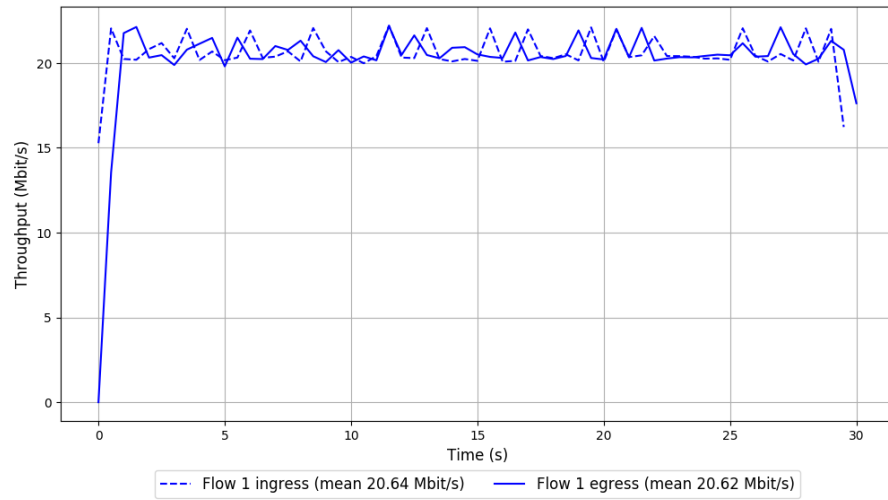


Run 4: Statistics of Sprout

Start at: 2018-07-25 00:39:55
End at: 2018-07-25 00:40:25
Local clock offset: 0.401 ms
Remote clock offset: -11.416 ms

Below is generated by plot.py at 2018-07-25 03:16:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.62 Mbit/s
95th percentile per-packet one-way delay: 26.531 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 20.62 Mbit/s
95th percentile per-packet one-way delay: 26.531 ms
Loss rate: 0.05%

Run 4: Report of Sprout — Data Link

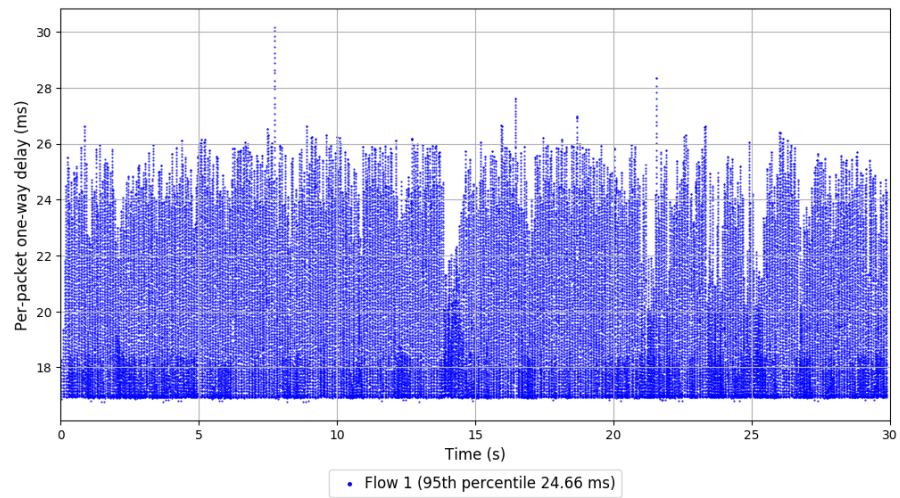
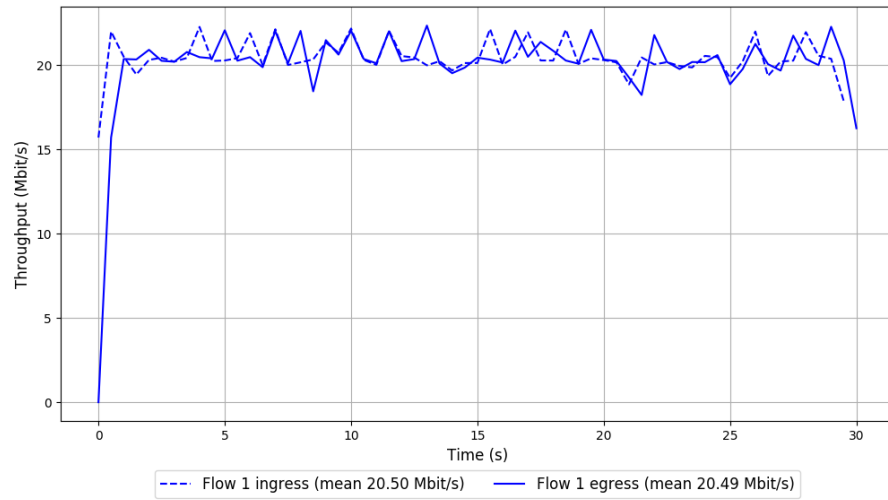


Run 5: Statistics of Sprout

Start at: 2018-07-25 00:59:57
End at: 2018-07-25 01:00:27
Local clock offset: -2.321 ms
Remote clock offset: -10.857 ms

Below is generated by plot.py at 2018-07-25 03:16:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.49 Mbit/s
95th percentile per-packet one-way delay: 24.658 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 20.49 Mbit/s
95th percentile per-packet one-way delay: 24.658 ms
Loss rate: 0.16%

Run 5: Report of Sprout — Data Link

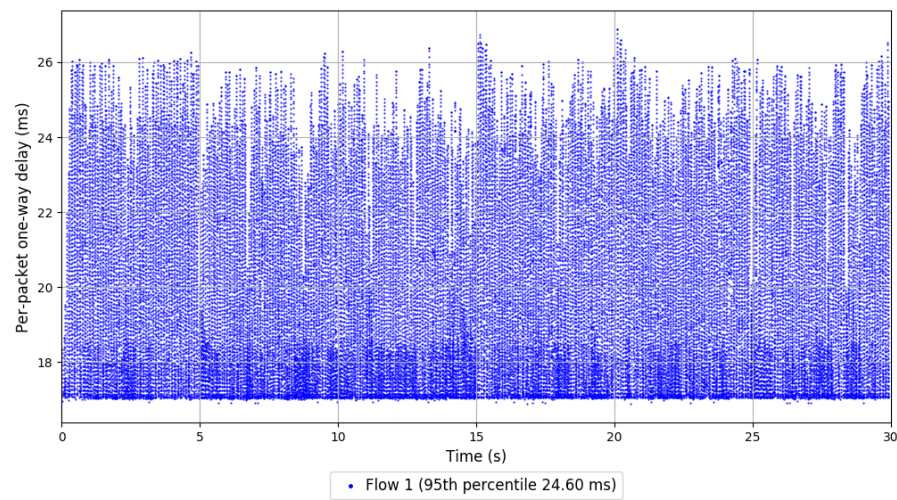
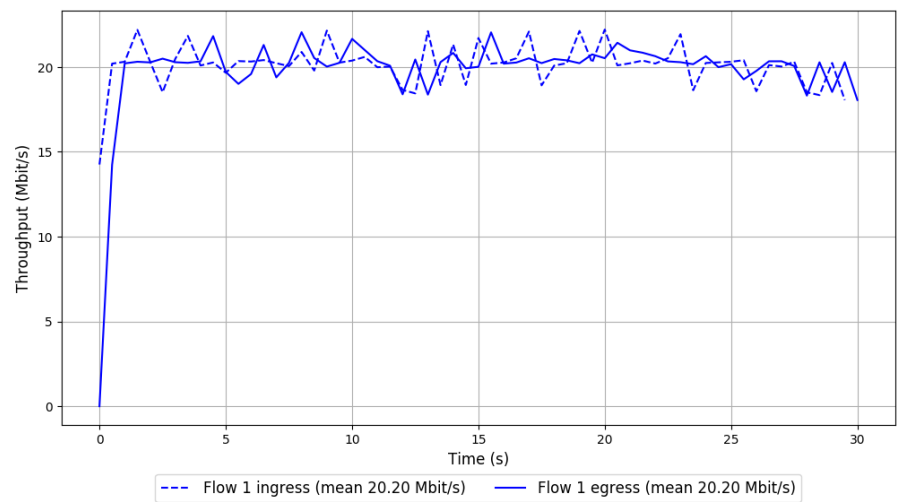


Run 6: Statistics of Sprout

Start at: 2018-07-25 01:19:51
End at: 2018-07-25 01:20:21
Local clock offset: -2.279 ms
Remote clock offset: -9.187 ms

Below is generated by plot.py at 2018-07-25 03:16:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.20 Mbit/s
95th percentile per-packet one-way delay: 24.597 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.20 Mbit/s
95th percentile per-packet one-way delay: 24.597 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

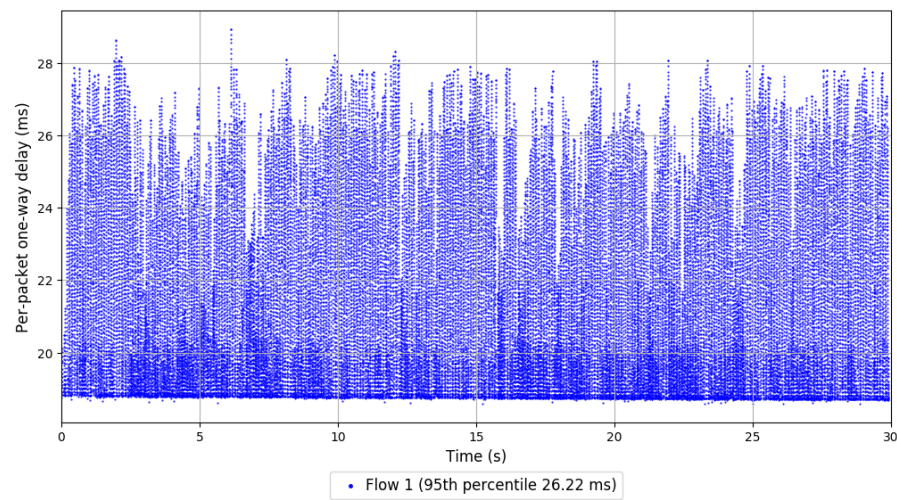
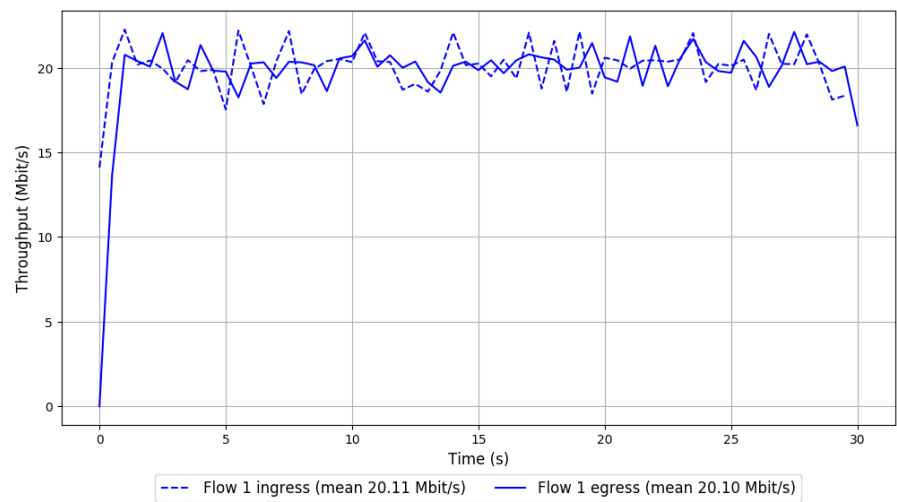


Run 7: Statistics of Sprout

Start at: 2018-07-25 01:39:59
End at: 2018-07-25 01:40:29
Local clock offset: 1.249 ms
Remote clock offset: -9.247 ms

Below is generated by plot.py at 2018-07-25 03:16:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.10 Mbit/s
95th percentile per-packet one-way delay: 26.218 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 20.10 Mbit/s
95th percentile per-packet one-way delay: 26.218 ms
Loss rate: 0.15%

Run 7: Report of Sprout — Data Link

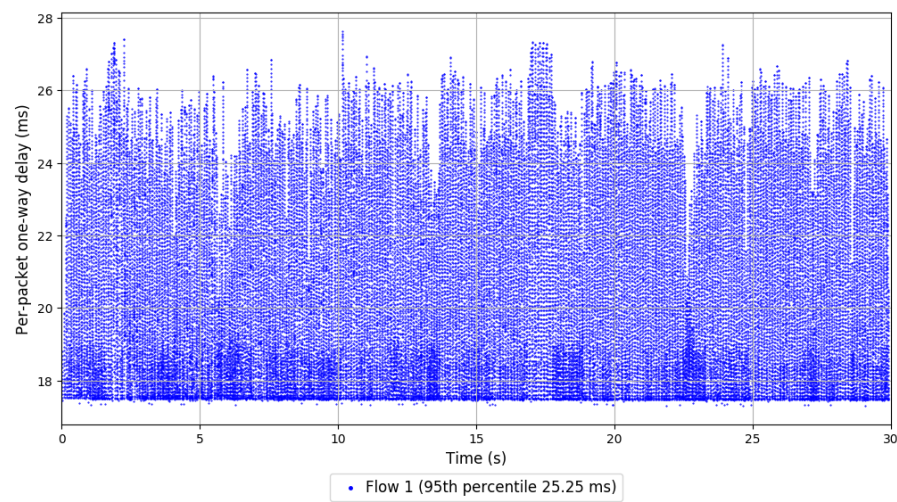
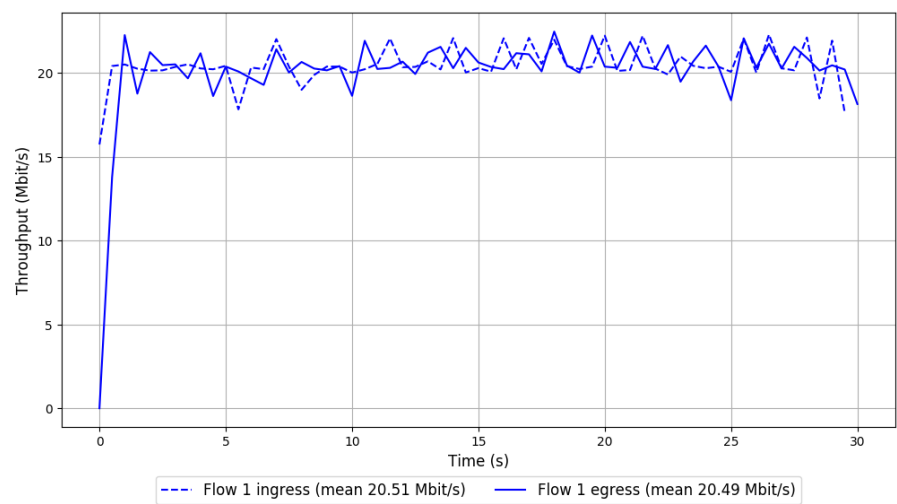


Run 8: Statistics of Sprout

Start at: 2018-07-25 02:00:11
End at: 2018-07-25 02:00:41
Local clock offset: 0.451 ms
Remote clock offset: -10.614 ms

Below is generated by plot.py at 2018-07-25 03:16:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.49 Mbit/s
95th percentile per-packet one-way delay: 25.249 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 20.49 Mbit/s
95th percentile per-packet one-way delay: 25.249 ms
Loss rate: 0.10%

Run 8: Report of Sprout — Data Link

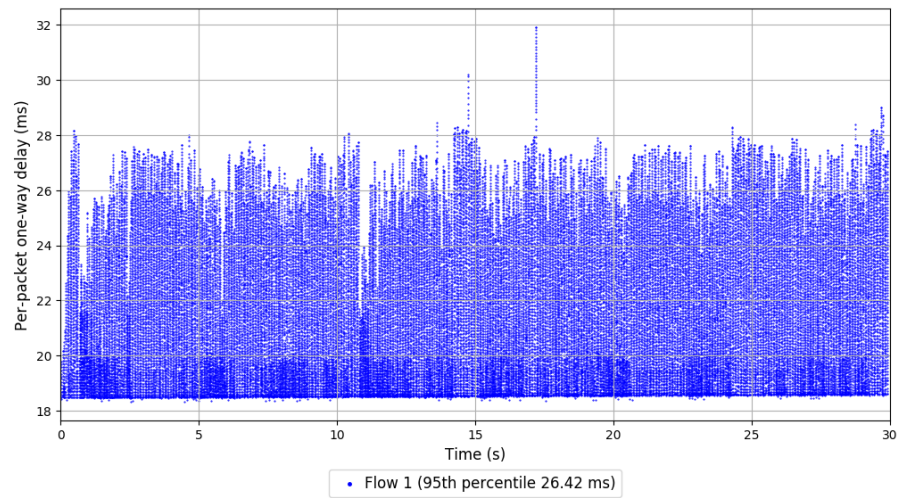
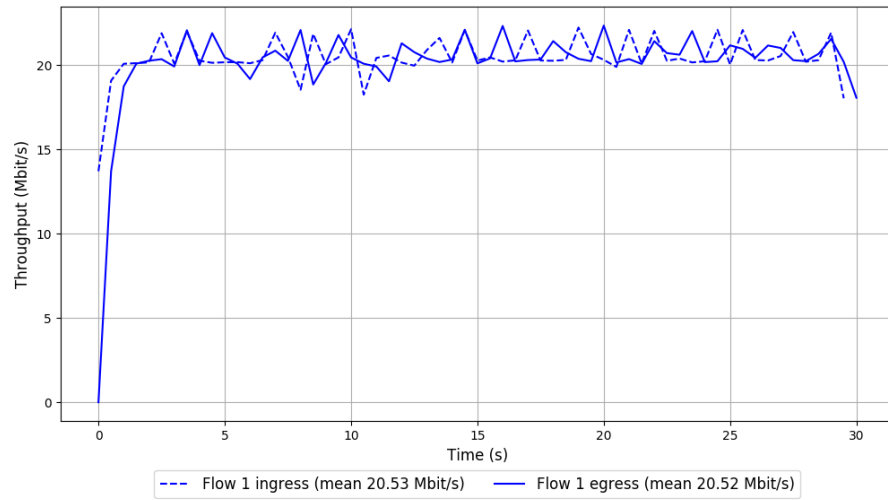


Run 9: Statistics of Sprout

Start at: 2018-07-25 02:20:15
End at: 2018-07-25 02:20:45
Local clock offset: 1.651 ms
Remote clock offset: -5.255 ms

Below is generated by plot.py at 2018-07-25 03:16:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.52 Mbit/s
95th percentile per-packet one-way delay: 26.421 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 20.52 Mbit/s
95th percentile per-packet one-way delay: 26.421 ms
Loss rate: 0.16%

Run 9: Report of Sprout — Data Link

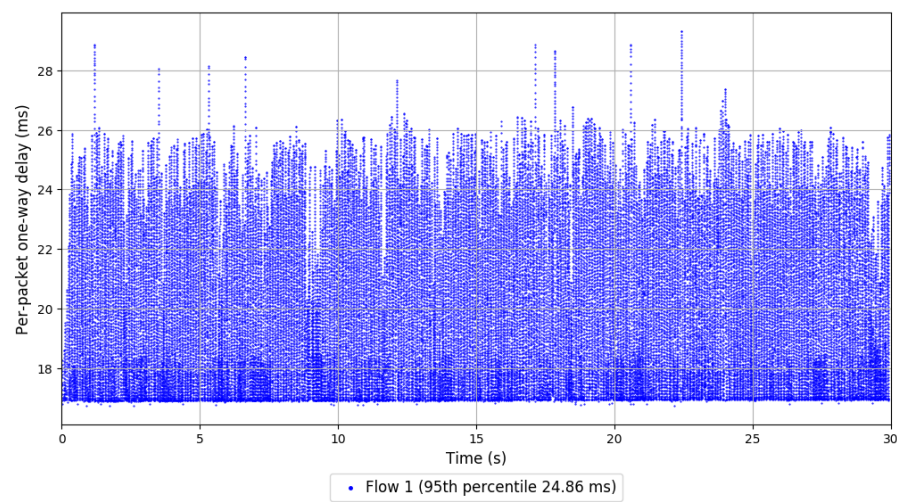
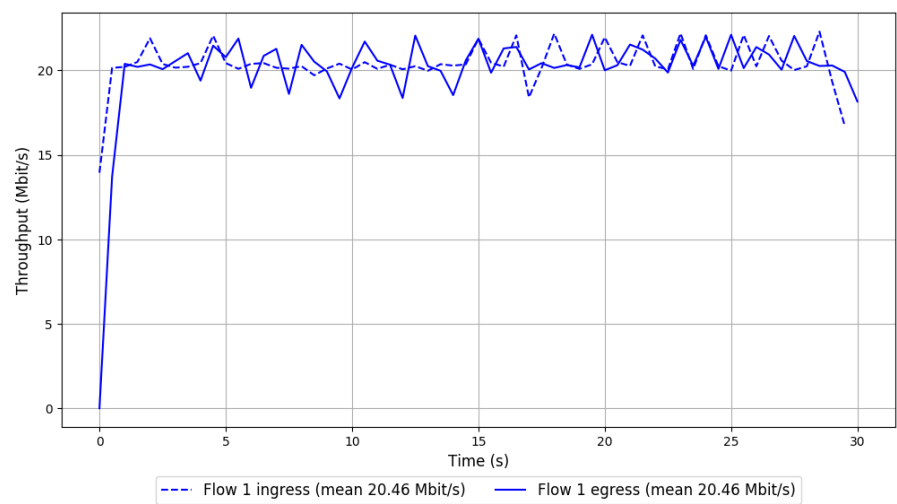


Run 10: Statistics of Sprout

Start at: 2018-07-25 02:40:27
End at: 2018-07-25 02:40:57
Local clock offset: -1.438 ms
Remote clock offset: -3.483 ms

Below is generated by plot.py at 2018-07-25 03:16:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.46 Mbit/s
95th percentile per-packet one-way delay: 24.864 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.46 Mbit/s
95th percentile per-packet one-way delay: 24.864 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-07-24 23:54:13

End at: 2018-07-24 23:54:43

Local clock offset: 0.655 ms

Remote clock offset: -5.063 ms

Below is generated by plot.py at 2018-07-25 03:18:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.84 Mbit/s

95th percentile per-packet one-way delay: 20.702 ms

Loss rate: 0.10%

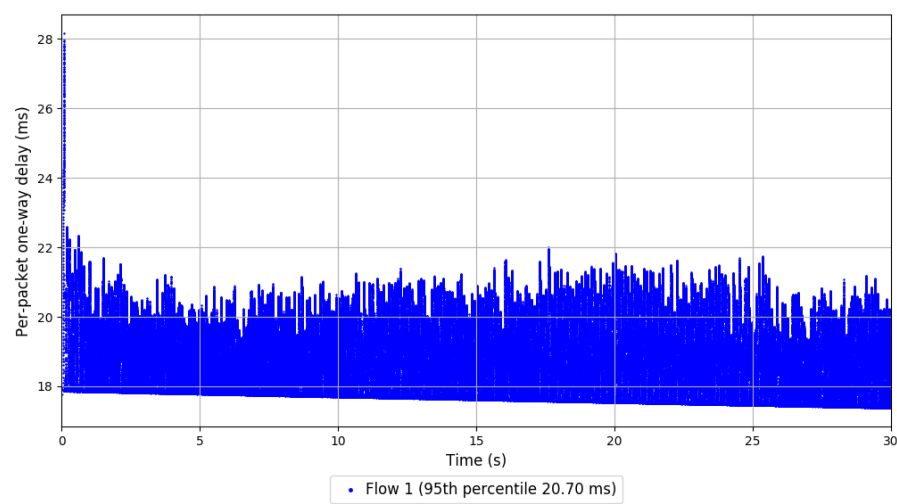
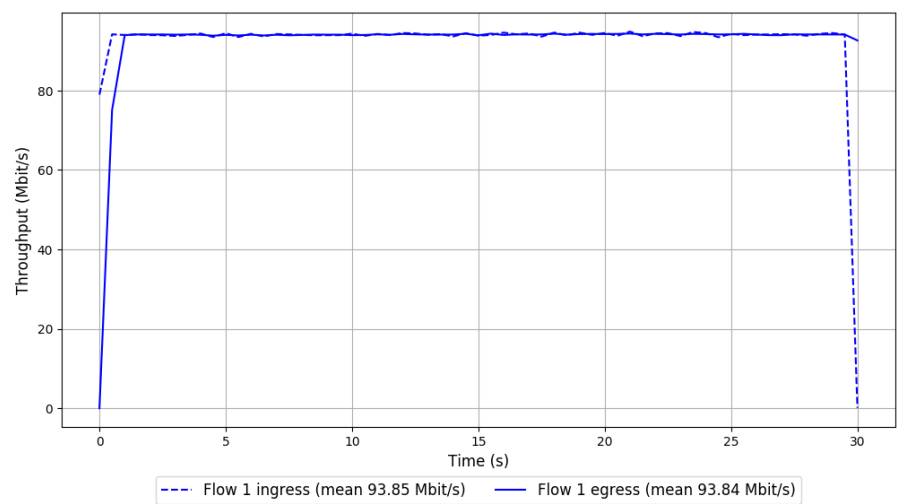
-- Flow 1:

Average throughput: 93.84 Mbit/s

95th percentile per-packet one-way delay: 20.702 ms

Loss rate: 0.10%

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

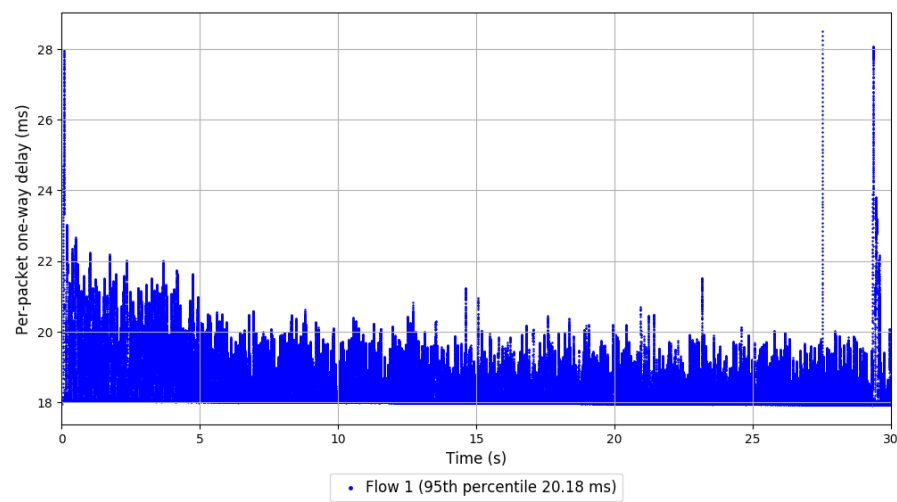
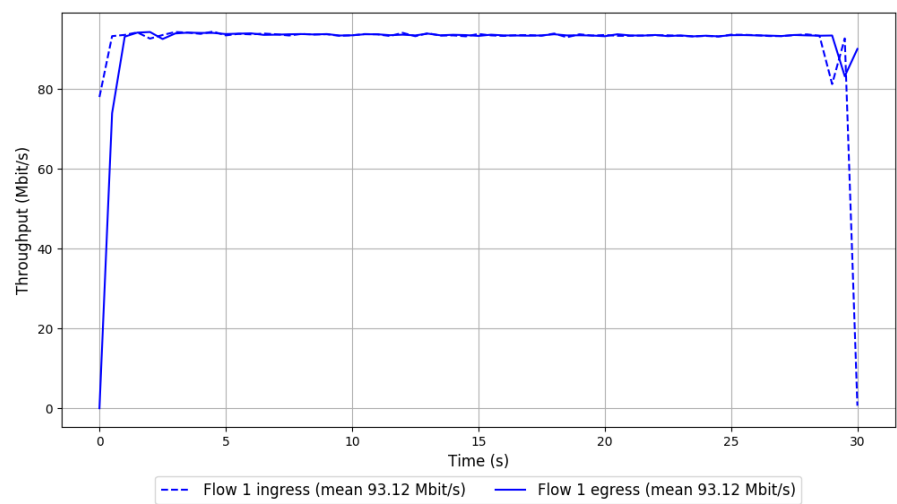


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-25 00:13:56
End at: 2018-07-25 00:14:26
Local clock offset: -0.595 ms
Remote clock offset: -15.722 ms

Below is generated by plot.py at 2018-07-25 03:18:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.12 Mbit/s
95th percentile per-packet one-way delay: 20.180 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 93.12 Mbit/s
95th percentile per-packet one-way delay: 20.180 ms
Loss rate: 0.09%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-25 00:34:00

End at: 2018-07-25 00:34:30

Local clock offset: 0.665 ms

Remote clock offset: -13.17 ms

Below is generated by plot.py at 2018-07-25 03:18:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.54 Mbit/s

95th percentile per-packet one-way delay: 21.810 ms

Loss rate: 0.10%

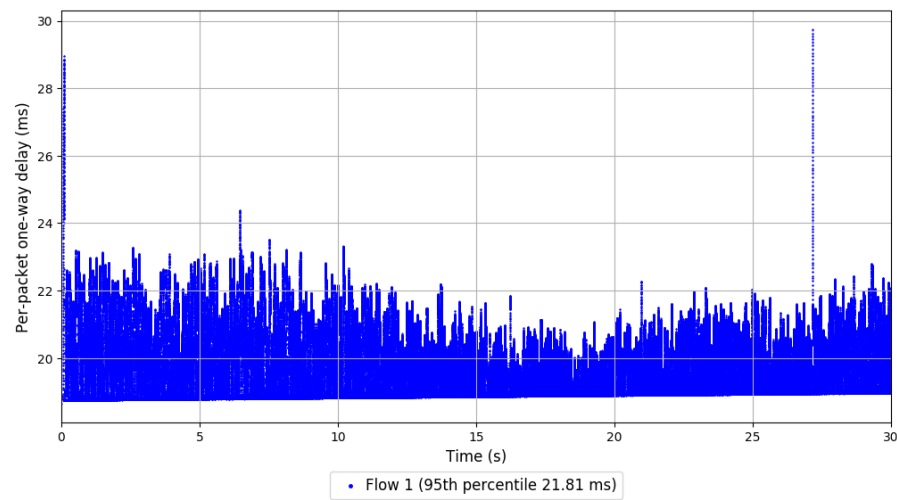
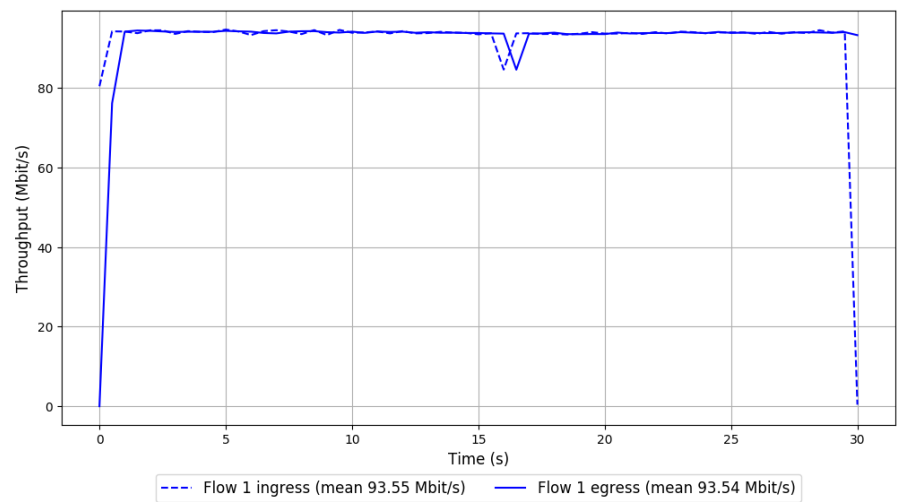
-- Flow 1:

Average throughput: 93.54 Mbit/s

95th percentile per-packet one-way delay: 21.810 ms

Loss rate: 0.10%

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

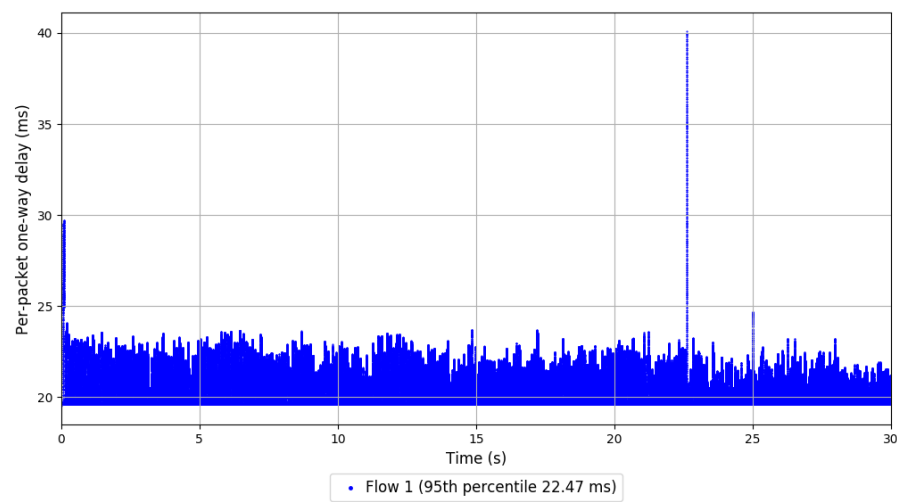
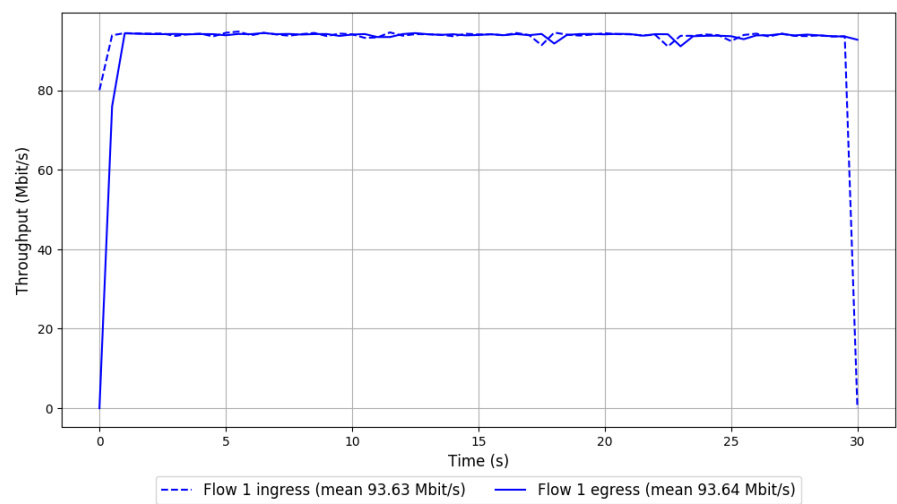


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-25 00:54:06
End at: 2018-07-25 00:54:36
Local clock offset: 0.409 ms
Remote clock offset: -10.936 ms

Below is generated by plot.py at 2018-07-25 03:18:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.64 Mbit/s
95th percentile per-packet one-way delay: 22.474 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 93.64 Mbit/s
95th percentile per-packet one-way delay: 22.474 ms
Loss rate: 0.08%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-25 01:13:59

End at: 2018-07-25 01:14:29

Local clock offset: 0.078 ms

Remote clock offset: -9.324 ms

Below is generated by plot.py at 2018-07-25 03:18:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.41 Mbit/s

95th percentile per-packet one-way delay: 21.811 ms

Loss rate: 0.09%

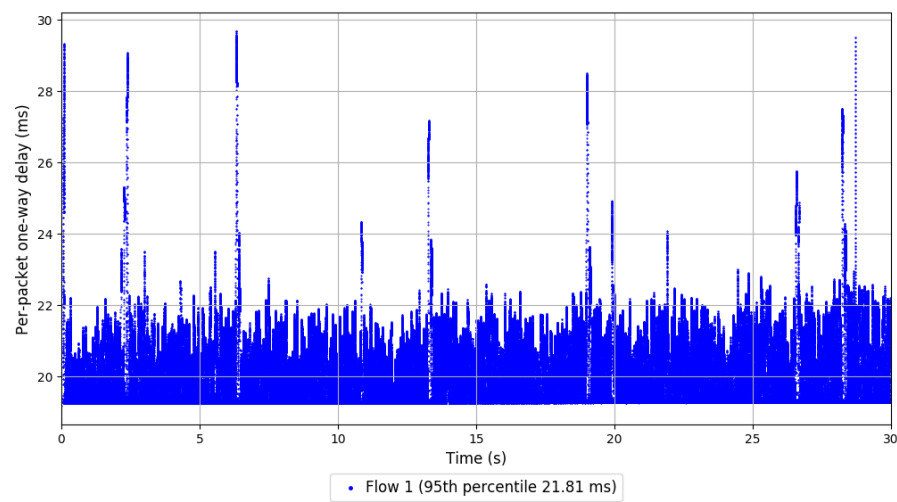
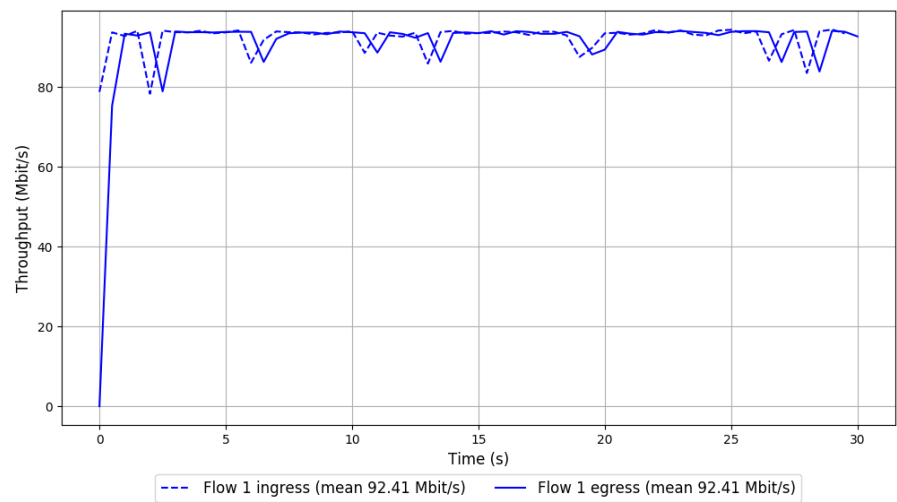
-- Flow 1:

Average throughput: 92.41 Mbit/s

95th percentile per-packet one-way delay: 21.811 ms

Loss rate: 0.09%

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

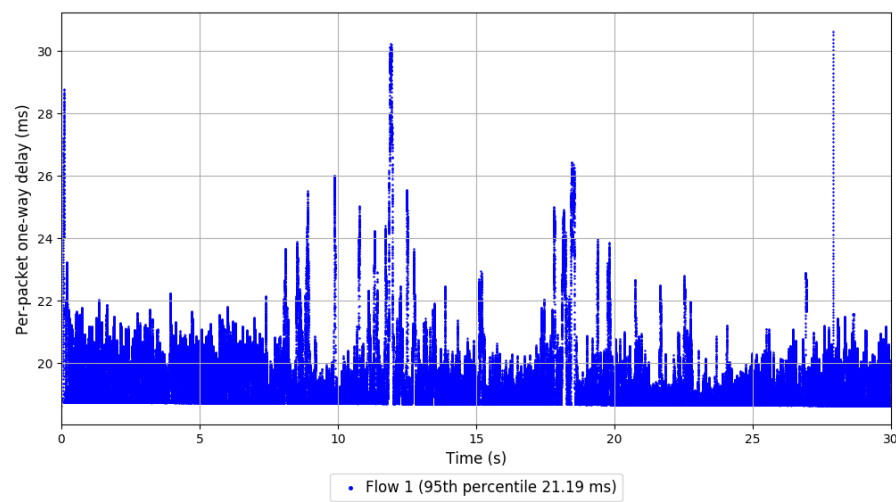
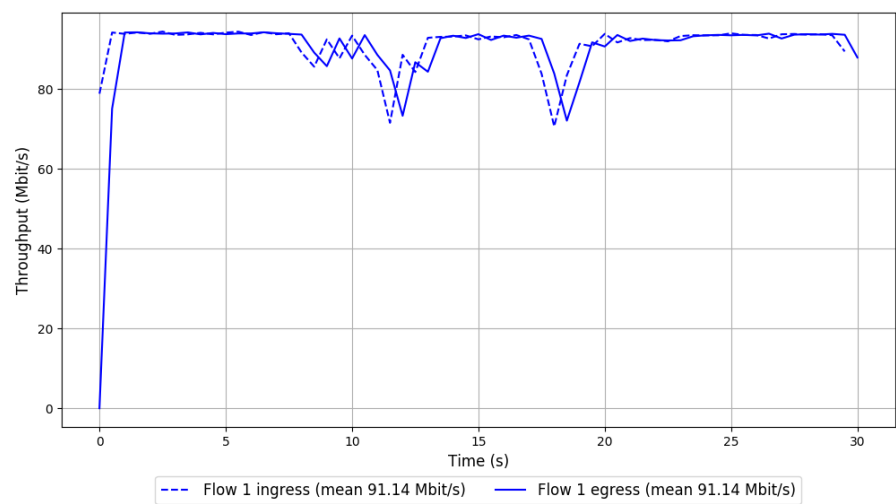


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-25 01:34:03
End at: 2018-07-25 01:34:33
Local clock offset: -0.054 ms
Remote clock offset: -9.086 ms

Below is generated by plot.py at 2018-07-25 03:18:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.14 Mbit/s
95th percentile per-packet one-way delay: 21.192 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 91.14 Mbit/s
95th percentile per-packet one-way delay: 21.192 ms
Loss rate: 0.09%

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

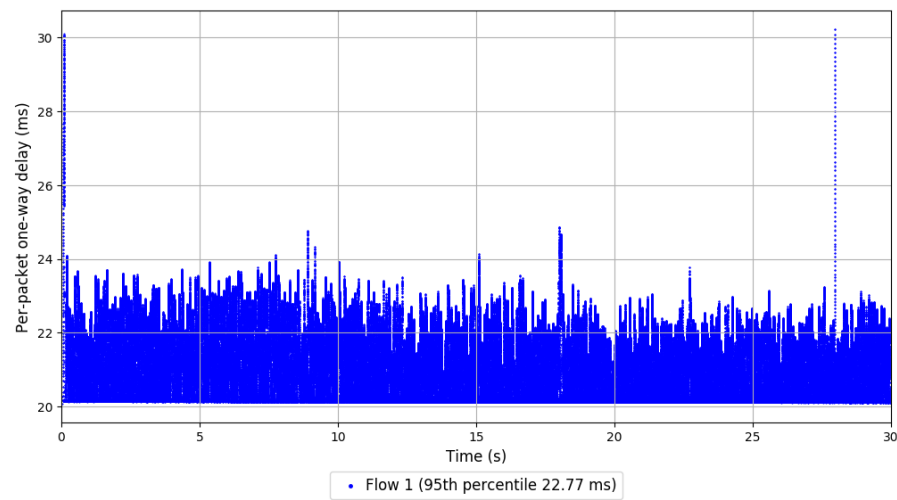
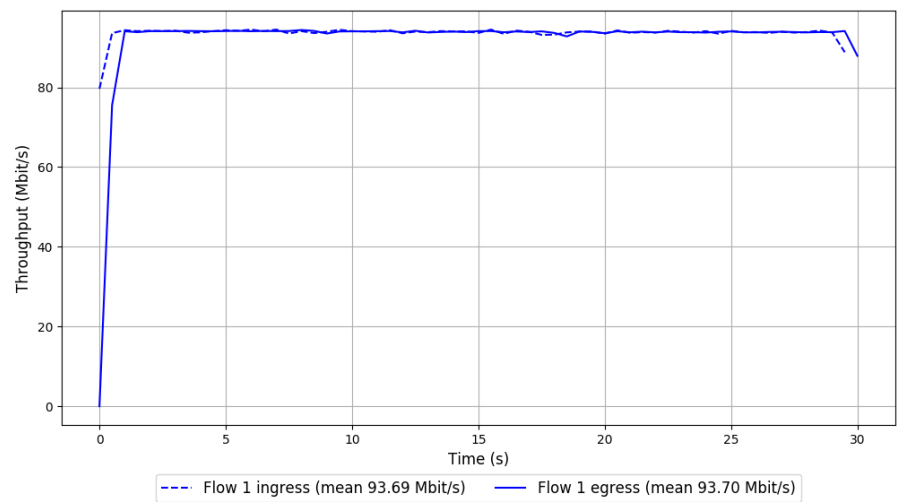


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-25 01:54:22
End at: 2018-07-25 01:54:52
Local clock offset: 3.089 ms
Remote clock offset: -10.324 ms

Below is generated by plot.py at 2018-07-25 03:18:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.70 Mbit/s
95th percentile per-packet one-way delay: 22.773 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 93.70 Mbit/s
95th percentile per-packet one-way delay: 22.773 ms
Loss rate: 0.08%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-25 02:14:25

End at: 2018-07-25 02:14:55

Local clock offset: 2.504 ms

Remote clock offset: -7.571 ms

Below is generated by plot.py at 2018-07-25 03:18:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.13 Mbit/s

95th percentile per-packet one-way delay: 21.539 ms

Loss rate: 0.09%

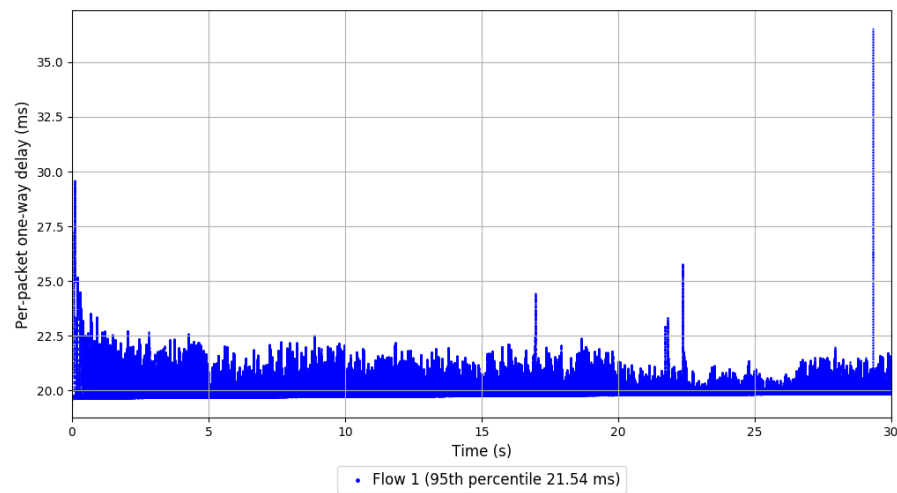
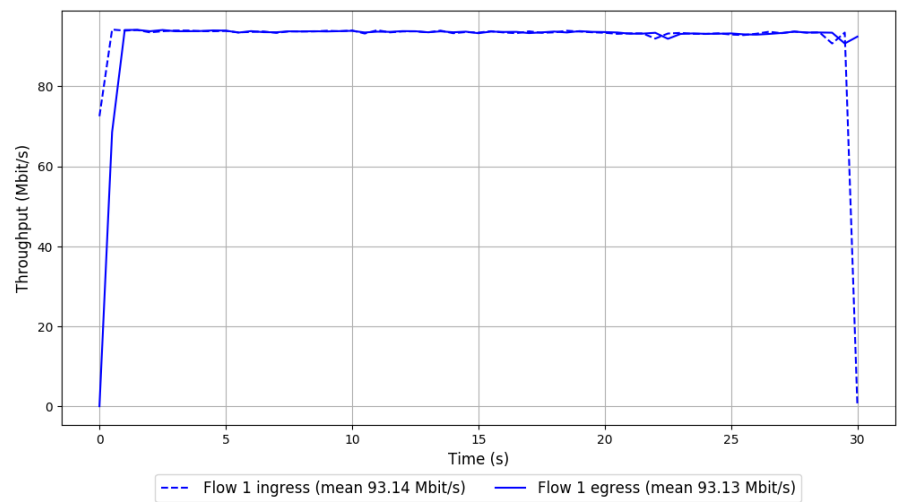
-- Flow 1:

Average throughput: 93.13 Mbit/s

95th percentile per-packet one-way delay: 21.539 ms

Loss rate: 0.09%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-25 02:34:37

End at: 2018-07-25 02:35:07

Local clock offset: 0.611 ms

Remote clock offset: -3.759 ms

Below is generated by plot.py at 2018-07-25 03:20:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.18 Mbit/s

95th percentile per-packet one-way delay: 21.266 ms

Loss rate: 0.09%

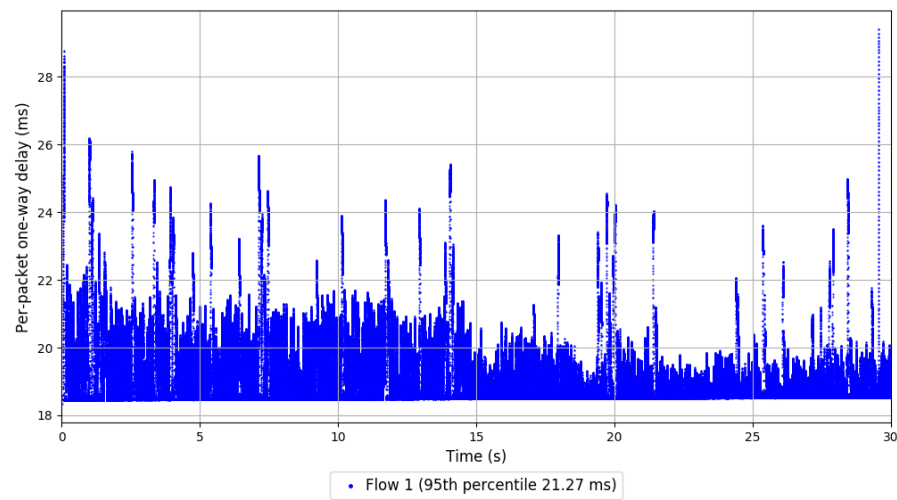
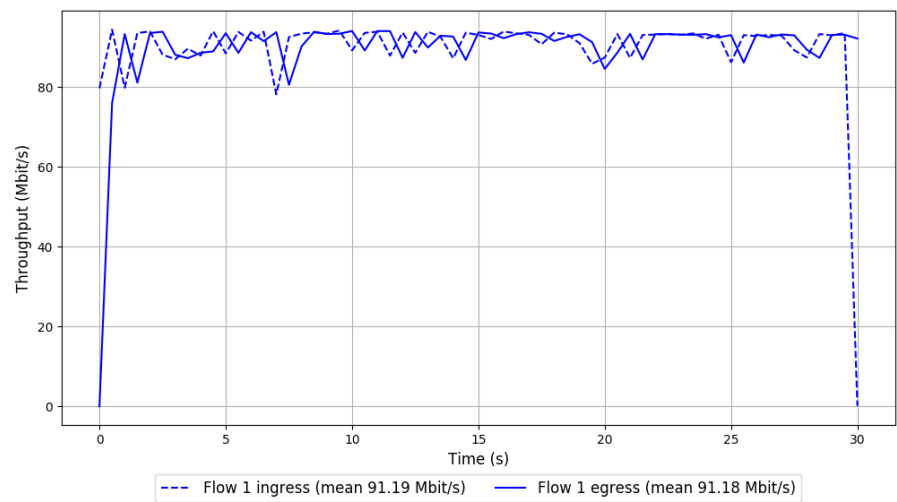
-- Flow 1:

Average throughput: 91.18 Mbit/s

95th percentile per-packet one-way delay: 21.266 ms

Loss rate: 0.09%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-25 02:54:49

End at: 2018-07-25 02:55:19

Local clock offset: -0.511 ms

Remote clock offset: -9.904 ms

Below is generated by plot.py at 2018-07-25 03:20:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.93 Mbit/s

95th percentile per-packet one-way delay: 21.949 ms

Loss rate: 0.09%

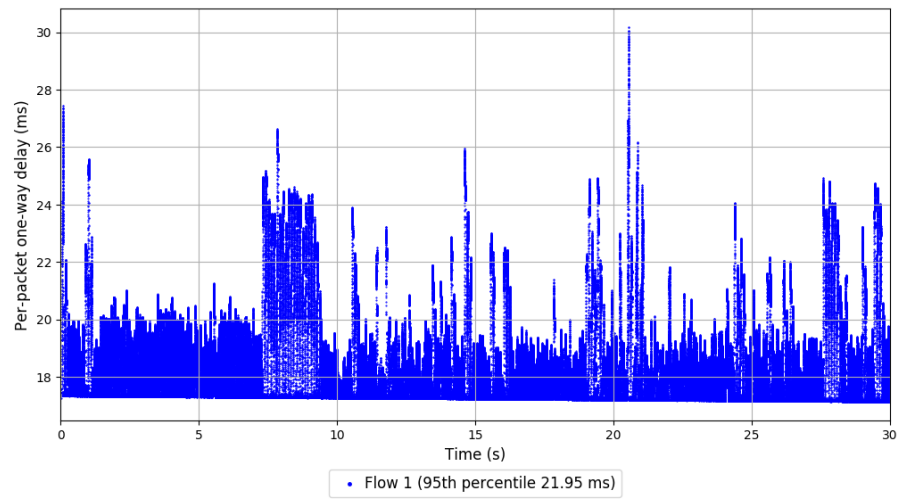
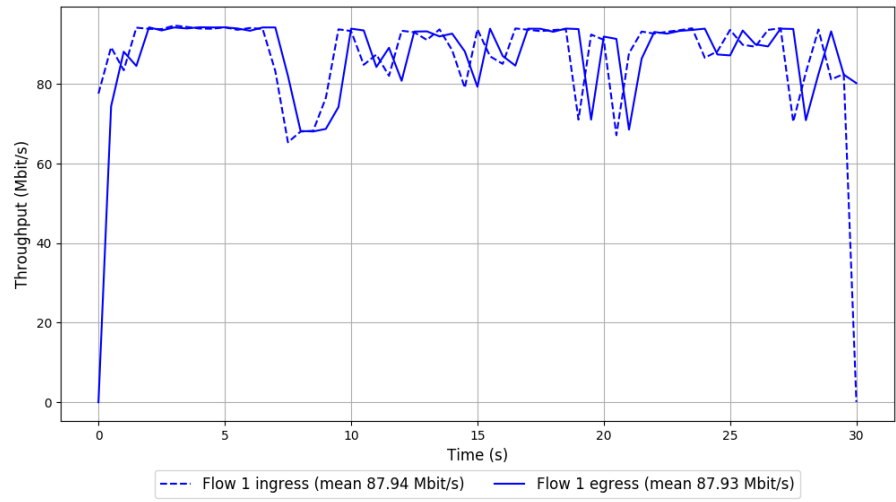
-- Flow 1:

Average throughput: 87.93 Mbit/s

95th percentile per-packet one-way delay: 21.949 ms

Loss rate: 0.09%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-24 23:46:09

End at: 2018-07-24 23:46:39

Local clock offset: 1.156 ms

Remote clock offset: -5.555 ms

Below is generated by plot.py at 2018-07-25 03:20:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.21 Mbit/s

95th percentile per-packet one-way delay: 20.725 ms

Loss rate: 0.09%

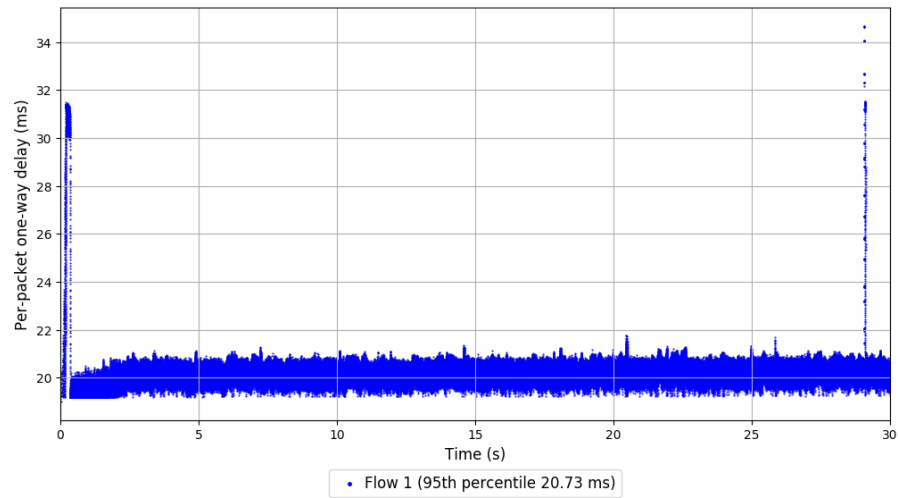
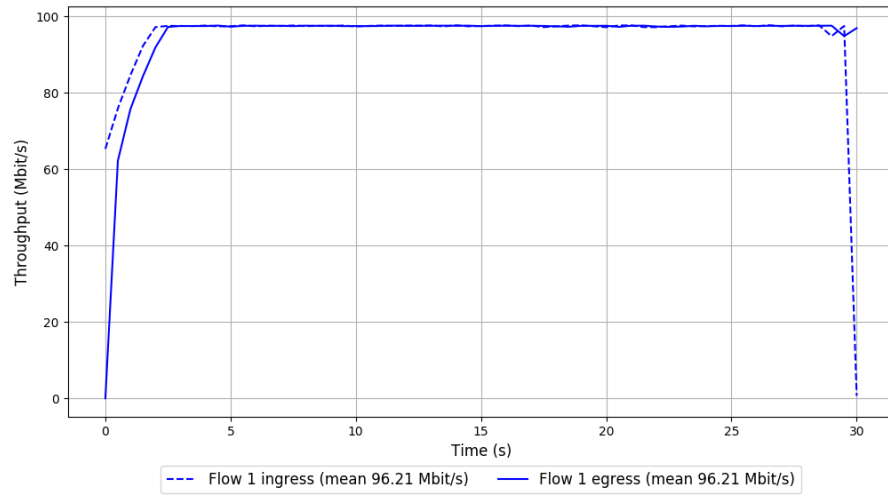
-- Flow 1:

Average throughput: 96.21 Mbit/s

95th percentile per-packet one-way delay: 20.725 ms

Loss rate: 0.09%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-25 00:05:47

End at: 2018-07-25 00:06:18

Local clock offset: 1.942 ms

Remote clock offset: -12.994 ms

Below is generated by plot.py at 2018-07-25 03:20:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.38 Mbit/s

95th percentile per-packet one-way delay: 21.682 ms

Loss rate: 0.09%

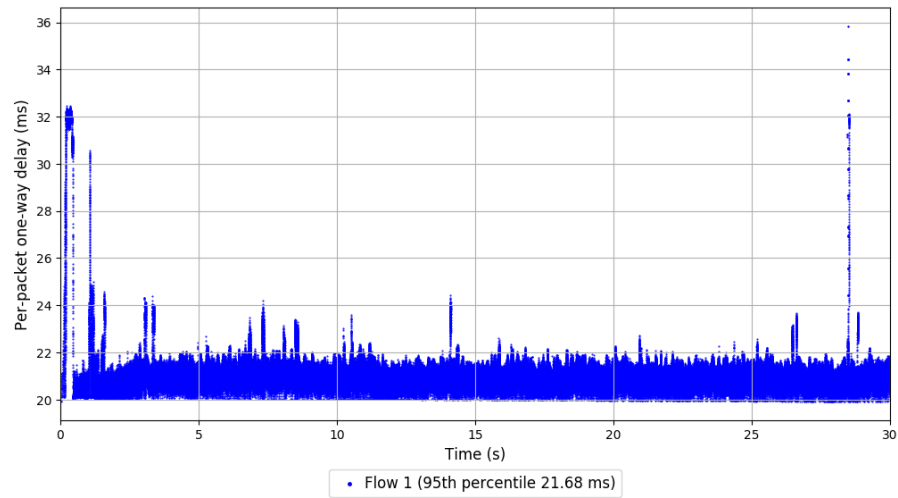
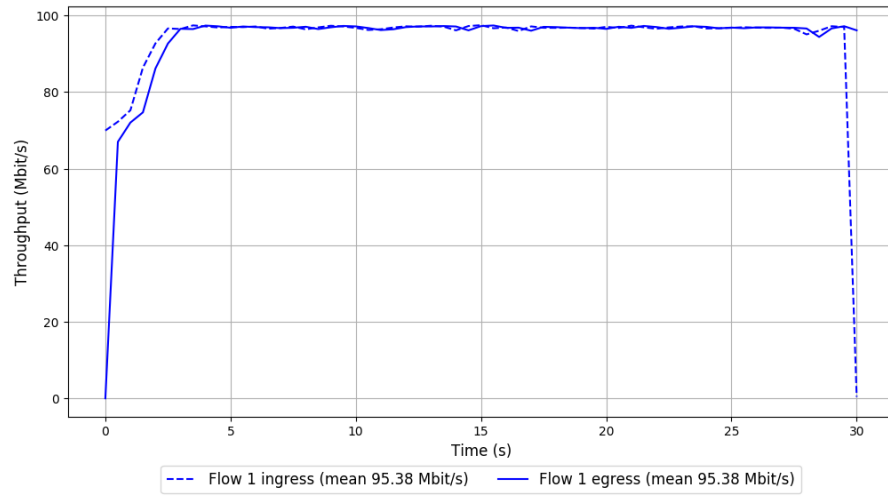
-- Flow 1:

Average throughput: 95.38 Mbit/s

95th percentile per-packet one-way delay: 21.682 ms

Loss rate: 0.09%

Run 2: Report of TCP Vegas — Data Link

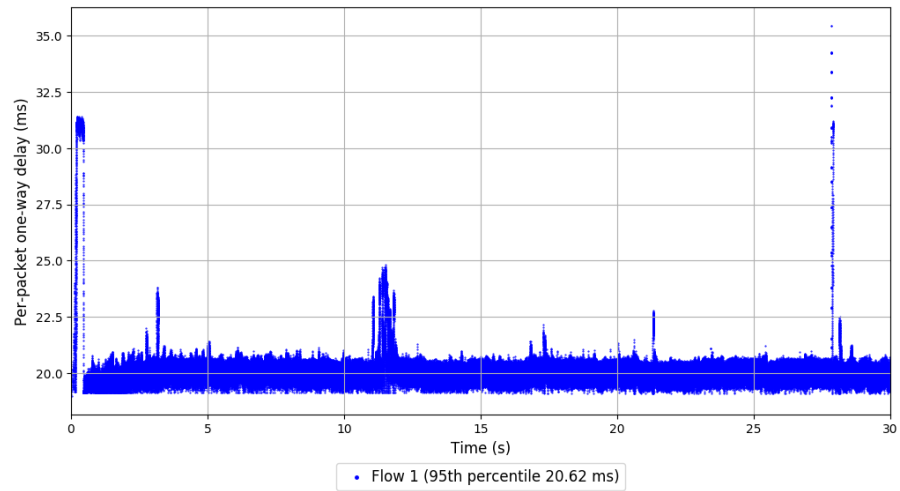
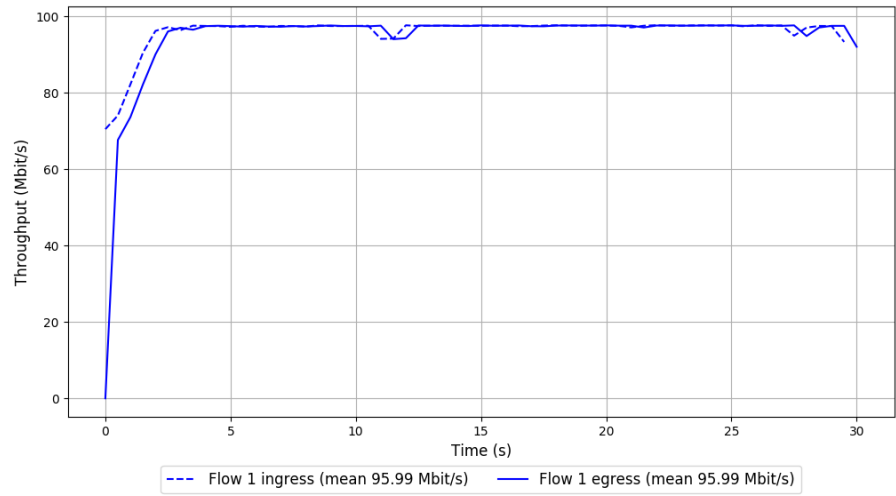


Run 3: Statistics of TCP Vegas

Start at: 2018-07-25 00:25:42
End at: 2018-07-25 00:26:12
Local clock offset: 0.886 ms
Remote clock offset: -17.431 ms

Below is generated by plot.py at 2018-07-25 03:20:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.99 Mbit/s
95th percentile per-packet one-way delay: 20.618 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 95.99 Mbit/s
95th percentile per-packet one-way delay: 20.618 ms
Loss rate: 0.09%

Run 3: Report of TCP Vegas — Data Link

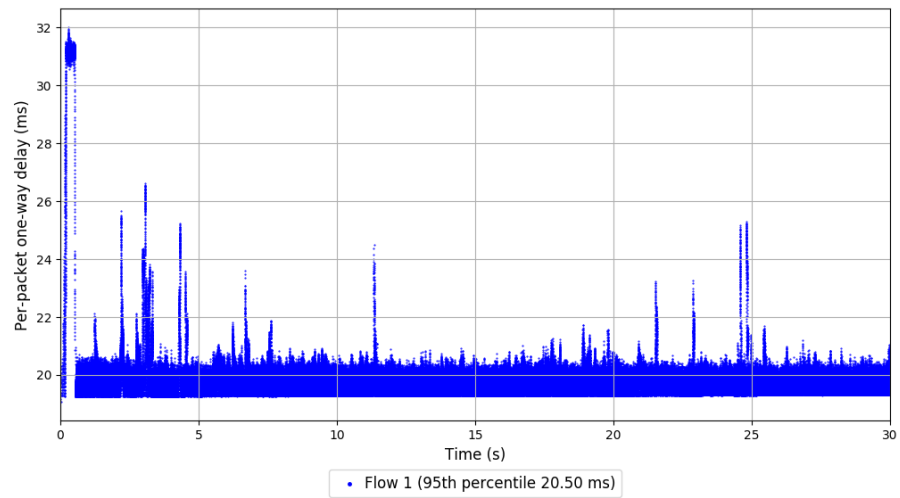
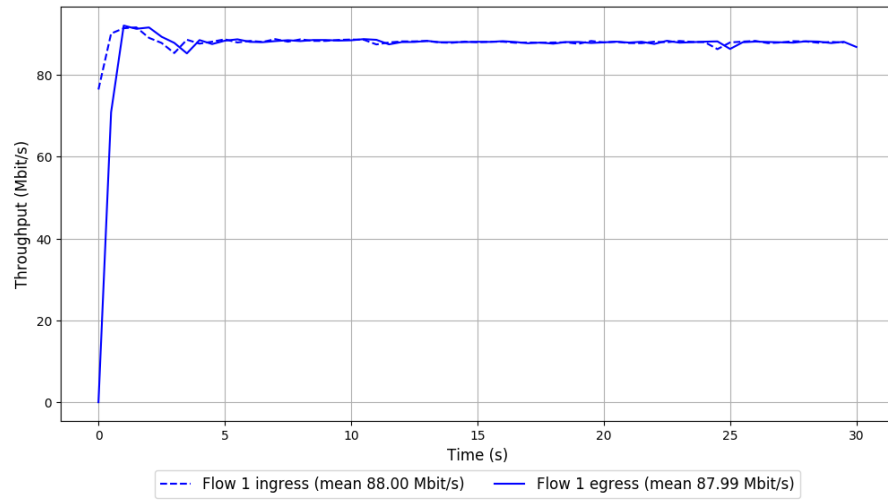


Run 4: Statistics of TCP Vegas

Start at: 2018-07-25 00:45:53
End at: 2018-07-25 00:46:23
Local clock offset: 0.81 ms
Remote clock offset: -10.728 ms

Below is generated by plot.py at 2018-07-25 03:20:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.99 Mbit/s
95th percentile per-packet one-way delay: 20.504 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 87.99 Mbit/s
95th percentile per-packet one-way delay: 20.504 ms
Loss rate: 0.09%

Run 4: Report of TCP Vegas — Data Link

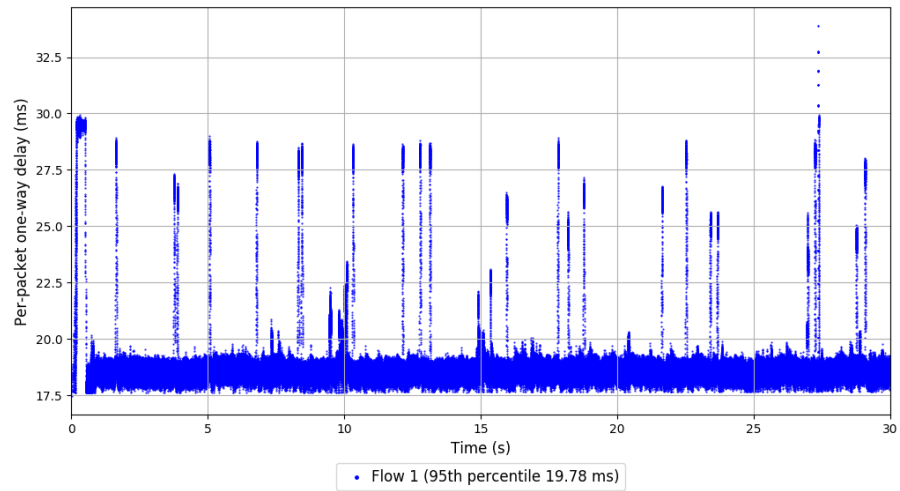
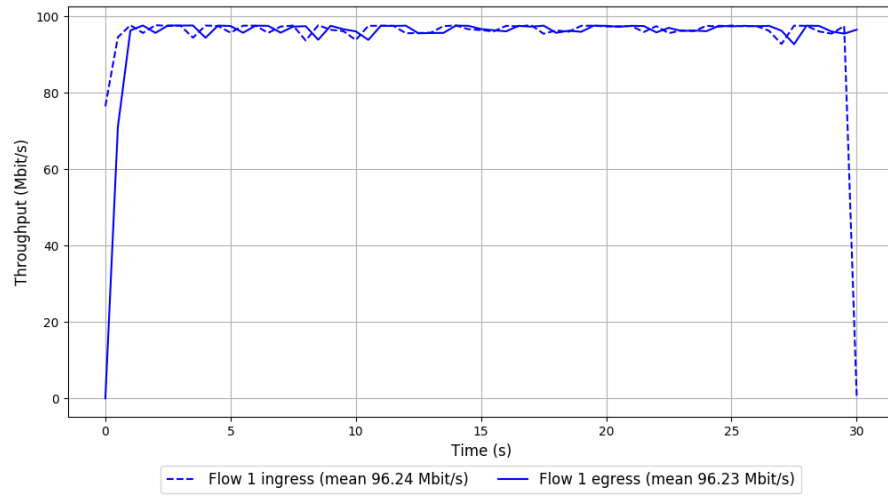


Run 5: Statistics of TCP Vegas

Start at: 2018-07-25 01:05:48
End at: 2018-07-25 01:06:18
Local clock offset: -1.49 ms
Remote clock offset: -9.968 ms

Below is generated by plot.py at 2018-07-25 03:20:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 19.782 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 19.782 ms
Loss rate: 0.09%

Run 5: Report of TCP Vegas — Data Link

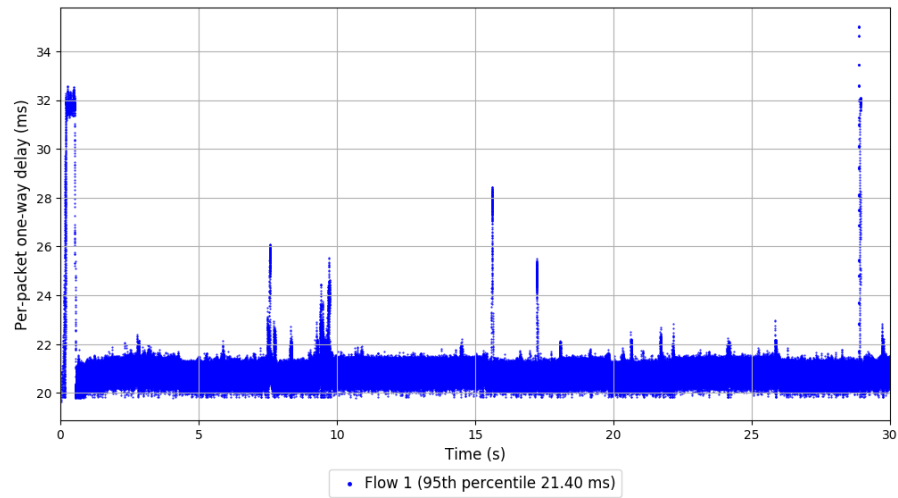
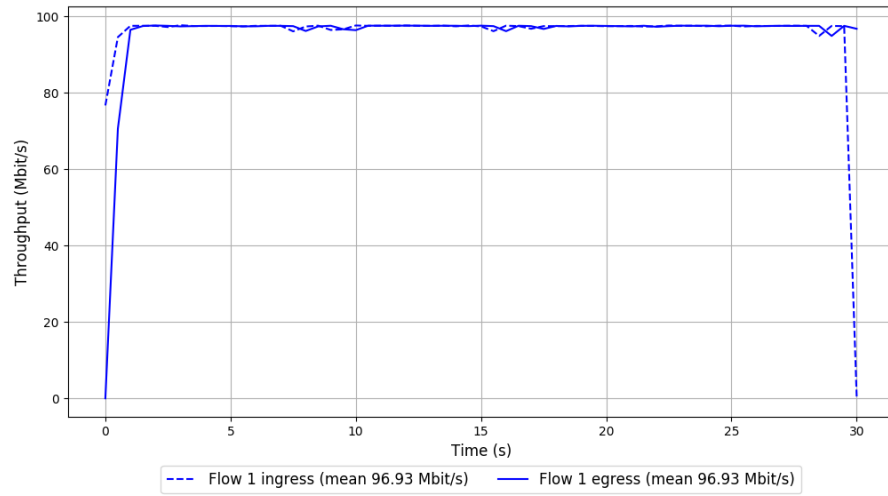


Run 6: Statistics of TCP Vegas

Start at: 2018-07-25 01:25:45
End at: 2018-07-25 01:26:15
Local clock offset: 0.727 ms
Remote clock offset: -8.753 ms

Below is generated by plot.py at 2018-07-25 03:20:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.93 Mbit/s
95th percentile per-packet one-way delay: 21.399 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.93 Mbit/s
95th percentile per-packet one-way delay: 21.399 ms
Loss rate: 0.09%

Run 6: Report of TCP Vegas — Data Link

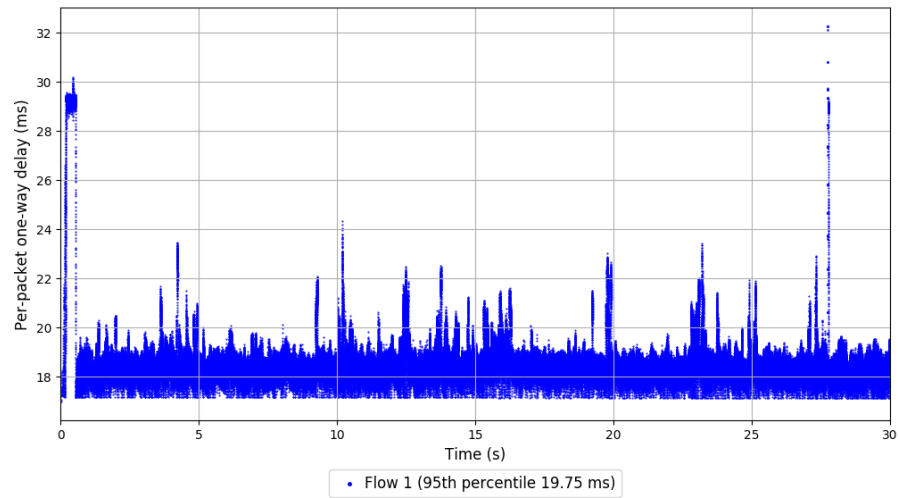
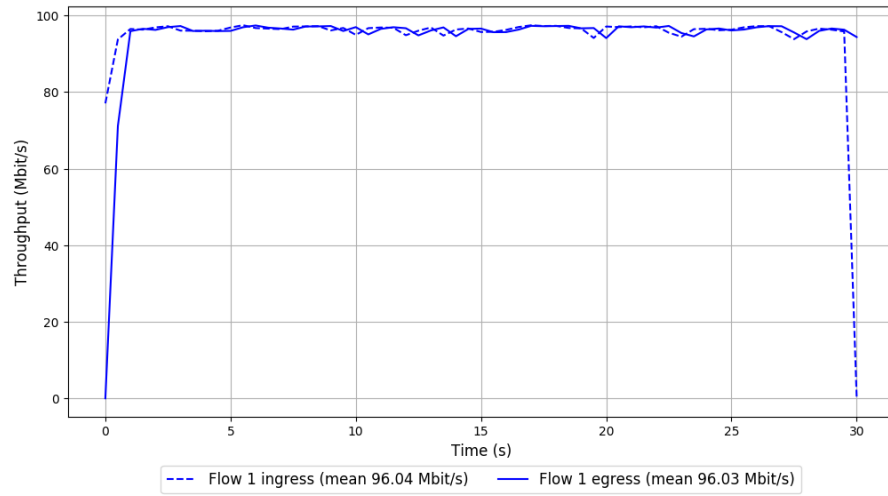


Run 7: Statistics of TCP Vegas

Start at: 2018-07-25 01:45:55
End at: 2018-07-25 01:46:25
Local clock offset: 0.344 ms
Remote clock offset: -9.418 ms

Below is generated by plot.py at 2018-07-25 03:20:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 19.751 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 19.751 ms
Loss rate: 0.09%

Run 7: Report of TCP Vegas — Data Link

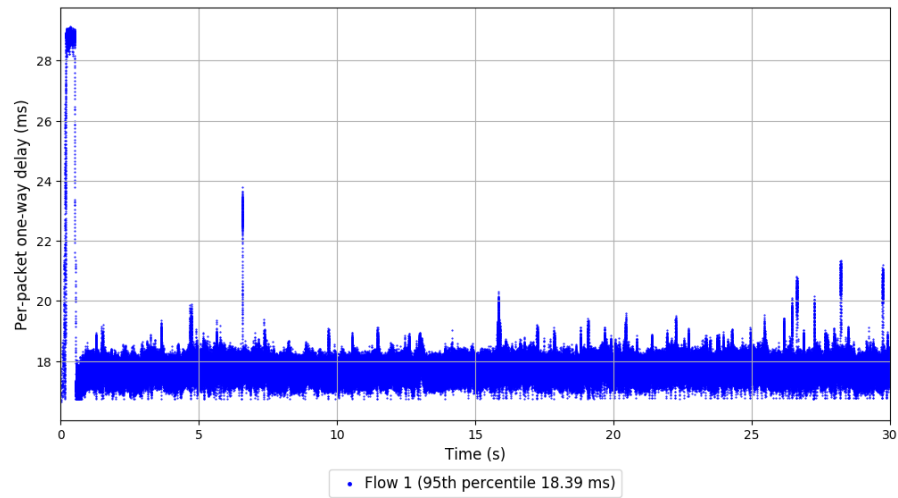
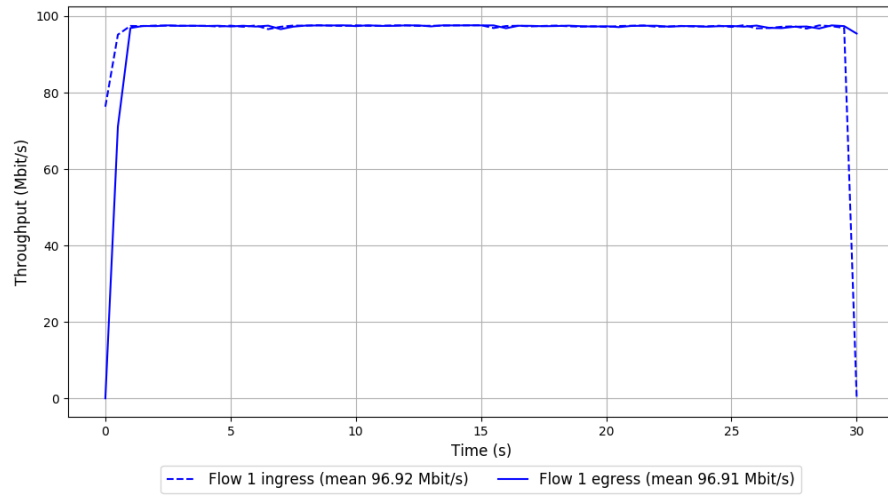


Run 8: Statistics of TCP Vegas

Start at: 2018-07-25 02:06:06
End at: 2018-07-25 02:06:36
Local clock offset: -0.08 ms
Remote clock offset: -9.994 ms

Below is generated by plot.py at 2018-07-25 03:20:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 18.390 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 18.390 ms
Loss rate: 0.09%

Run 8: Report of TCP Vegas — Data Link

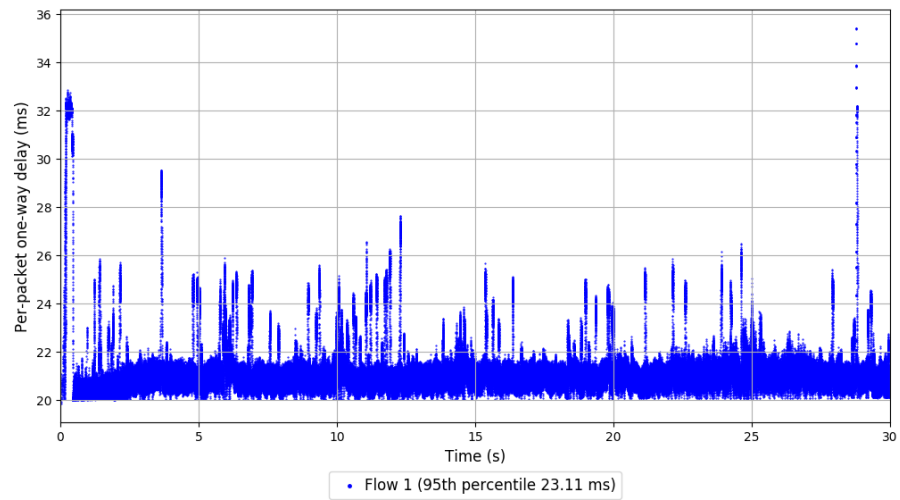
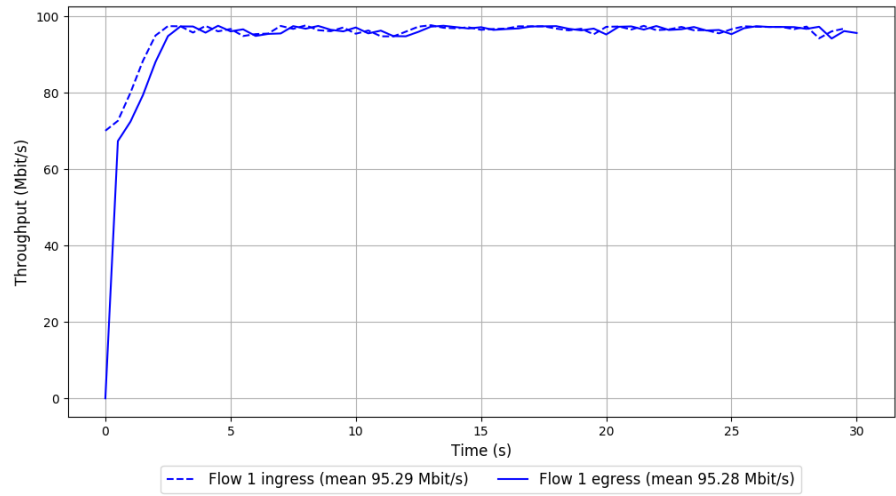


Run 9: Statistics of TCP Vegas

Start at: 2018-07-25 02:26:12
End at: 2018-07-25 02:26:42
Local clock offset: 3.06 ms
Remote clock offset: -4.155 ms

Below is generated by plot.py at 2018-07-25 03:20:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.28 Mbit/s
95th percentile per-packet one-way delay: 23.114 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 95.28 Mbit/s
95th percentile per-packet one-way delay: 23.114 ms
Loss rate: 0.09%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-25 02:46:24

End at: 2018-07-25 02:46:54

Local clock offset: 0.036 ms

Remote clock offset: -5.059 ms

Below is generated by plot.py at 2018-07-25 03:20:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.33 Mbit/s

95th percentile per-packet one-way delay: 21.463 ms

Loss rate: 0.09%

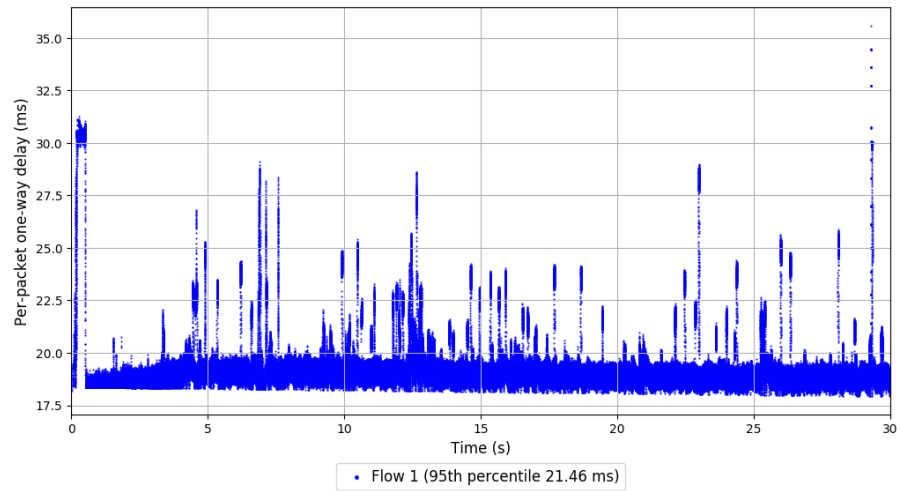
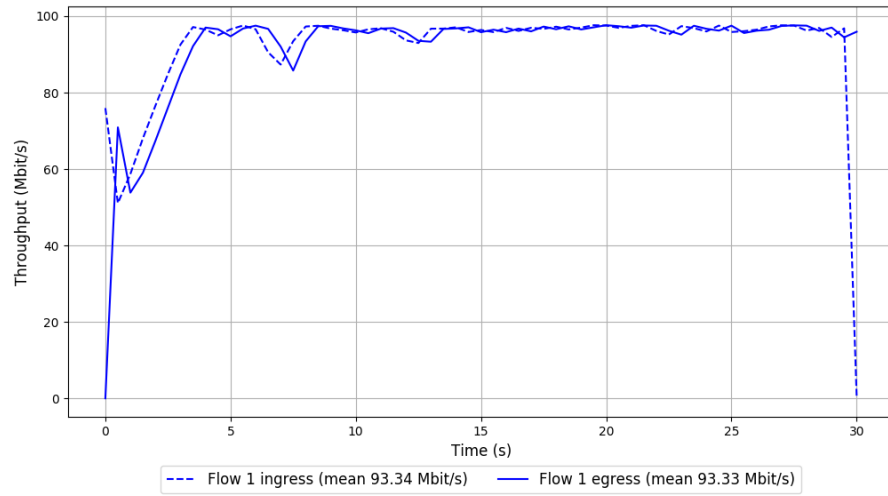
-- Flow 1:

Average throughput: 93.33 Mbit/s

95th percentile per-packet one-way delay: 21.463 ms

Loss rate: 0.09%

Run 10: Report of TCP Vegas — Data Link

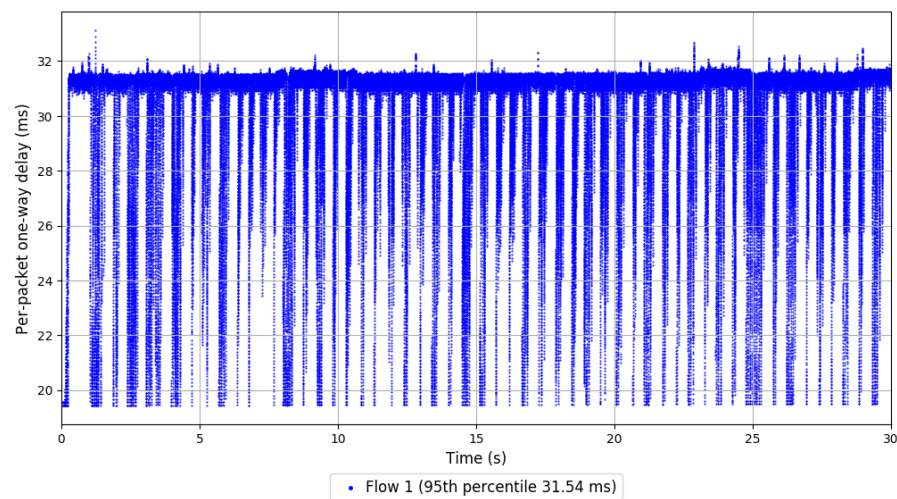
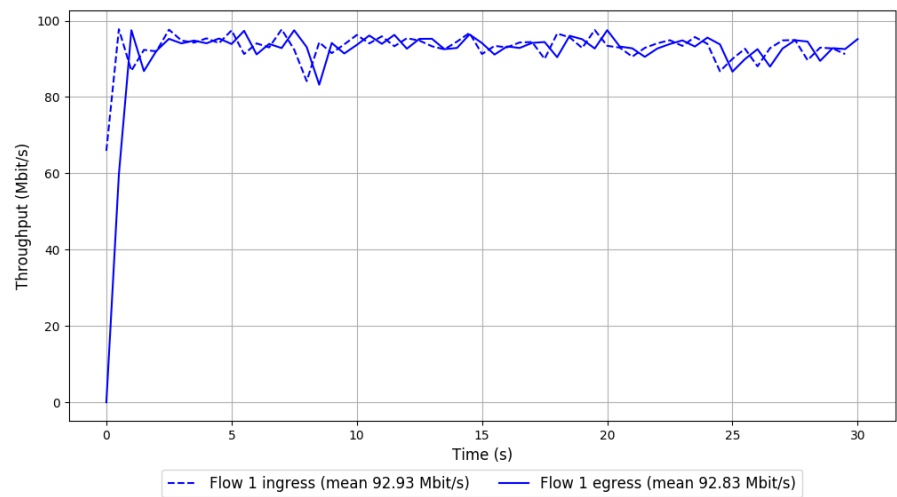


Run 1: Statistics of Verus

Start at: 2018-07-24 23:43:48
End at: 2018-07-24 23:44:18
Local clock offset: 1.951 ms
Remote clock offset: -5.285 ms

Below is generated by plot.py at 2018-07-25 03:21:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.83 Mbit/s
95th percentile per-packet one-way delay: 31.538 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 92.83 Mbit/s
95th percentile per-packet one-way delay: 31.538 ms
Loss rate: 0.19%

Run 1: Report of Verus — Data Link

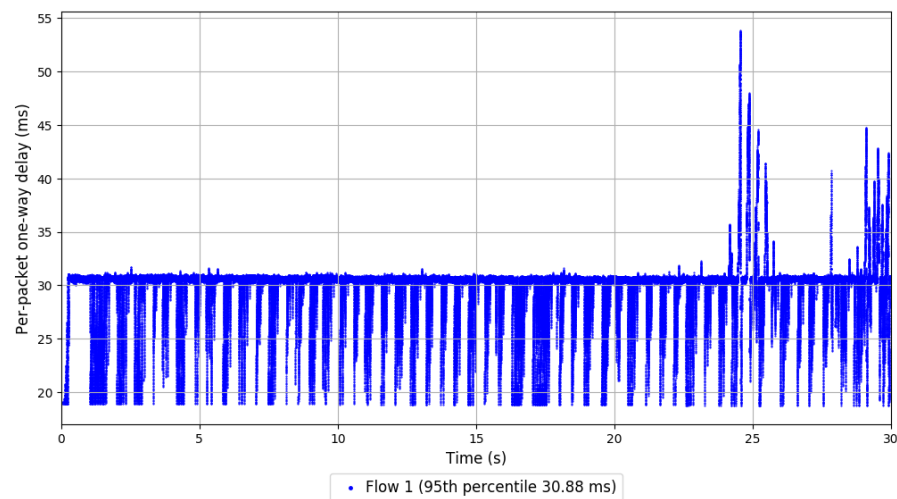
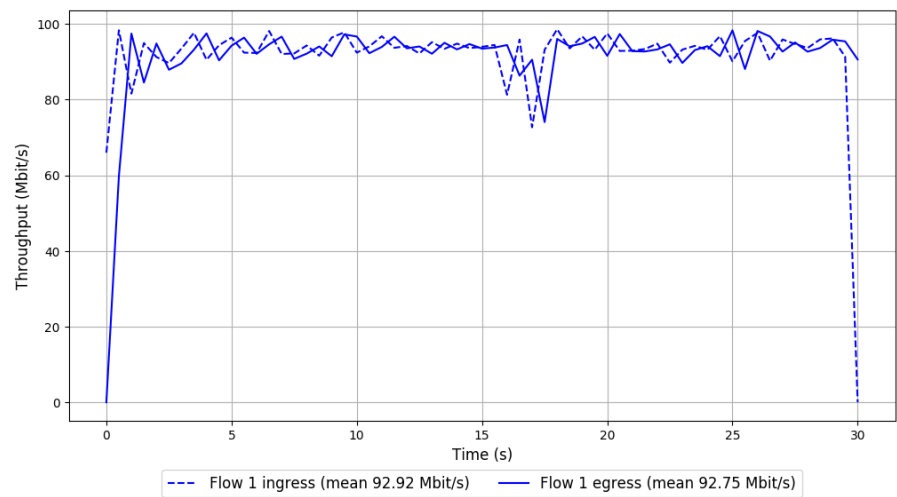


Run 2: Statistics of Verus

Start at: 2018-07-25 00:03:20
End at: 2018-07-25 00:03:50
Local clock offset: 0.985 ms
Remote clock offset: -11.865 ms

Below is generated by plot.py at 2018-07-25 03:21:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.75 Mbit/s
95th percentile per-packet one-way delay: 30.880 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 92.75 Mbit/s
95th percentile per-packet one-way delay: 30.880 ms
Loss rate: 0.29%

Run 2: Report of Verus — Data Link

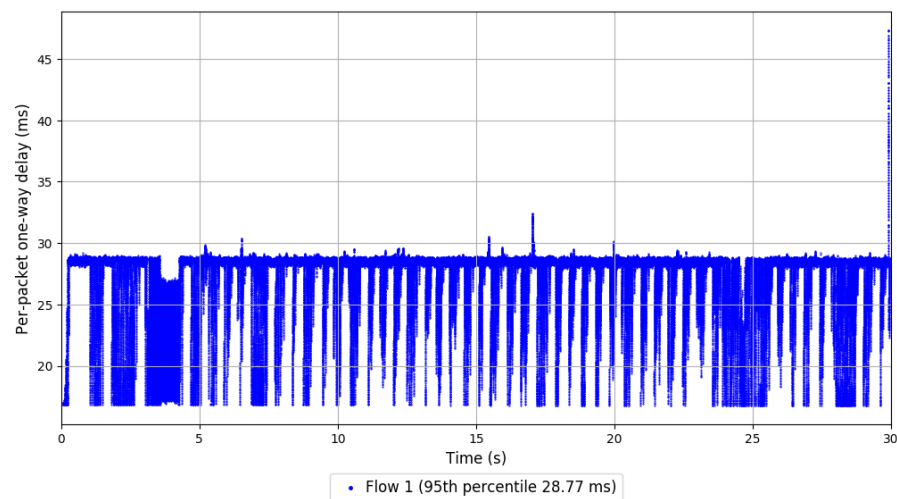
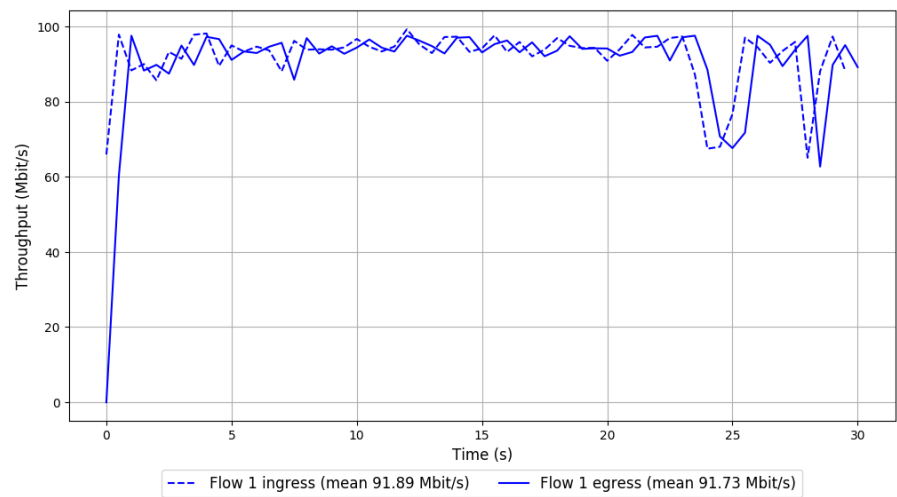


Run 3: Statistics of Verus

Start at: 2018-07-25 00:23:16
End at: 2018-07-25 00:23:46
Local clock offset: -1.873 ms
Remote clock offset: -17.501 ms

Below is generated by plot.py at 2018-07-25 03:21:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.73 Mbit/s
95th percentile per-packet one-way delay: 28.769 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 91.73 Mbit/s
95th percentile per-packet one-way delay: 28.769 ms
Loss rate: 0.21%

Run 3: Report of Verus — Data Link

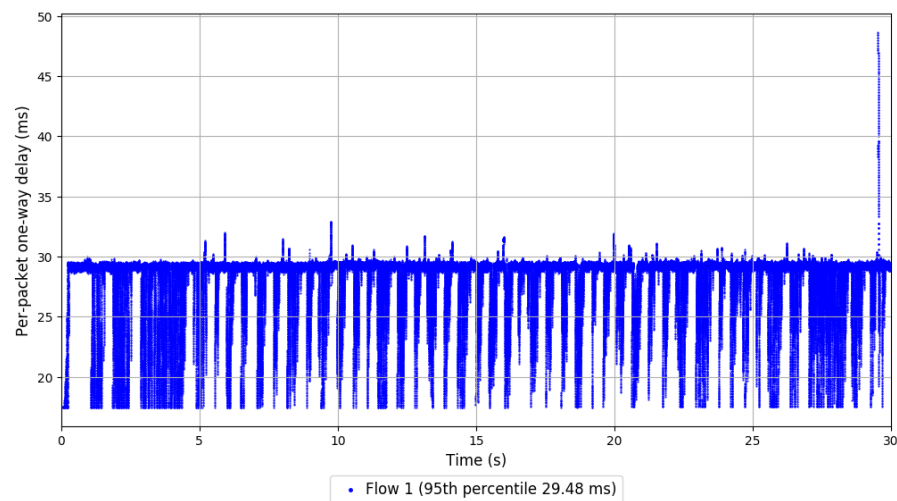
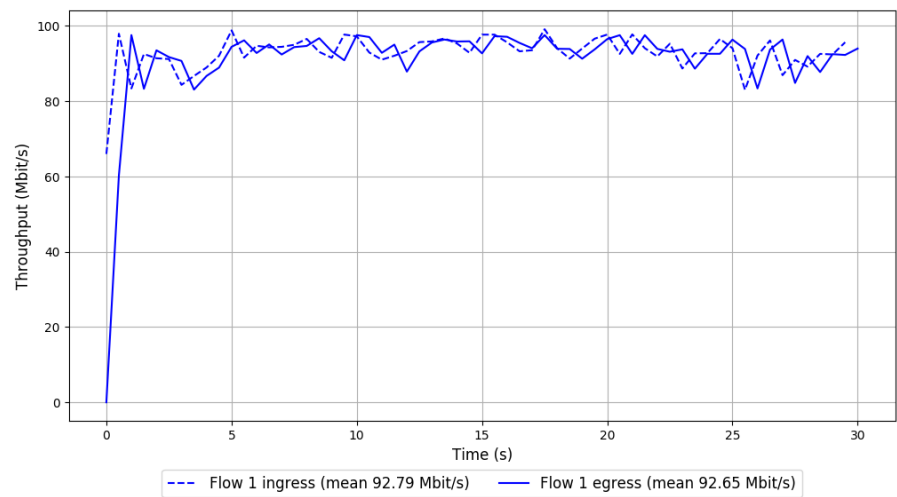


Run 4: Statistics of Verus

Start at: 2018-07-25 00:43:26
End at: 2018-07-25 00:43:56
Local clock offset: -1.211 ms
Remote clock offset: -11.241 ms

Below is generated by plot.py at 2018-07-25 03:21:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.65 Mbit/s
95th percentile per-packet one-way delay: 29.480 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 92.65 Mbit/s
95th percentile per-packet one-way delay: 29.480 ms
Loss rate: 0.26%

Run 4: Report of Verus — Data Link

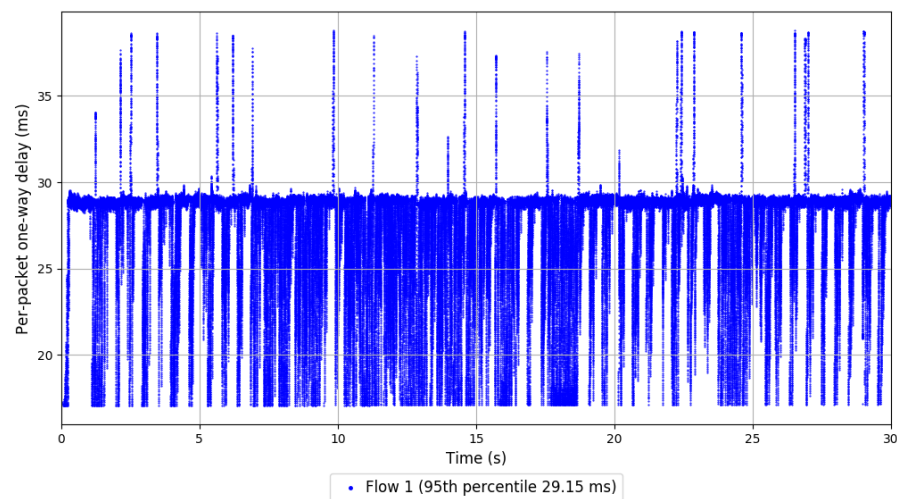
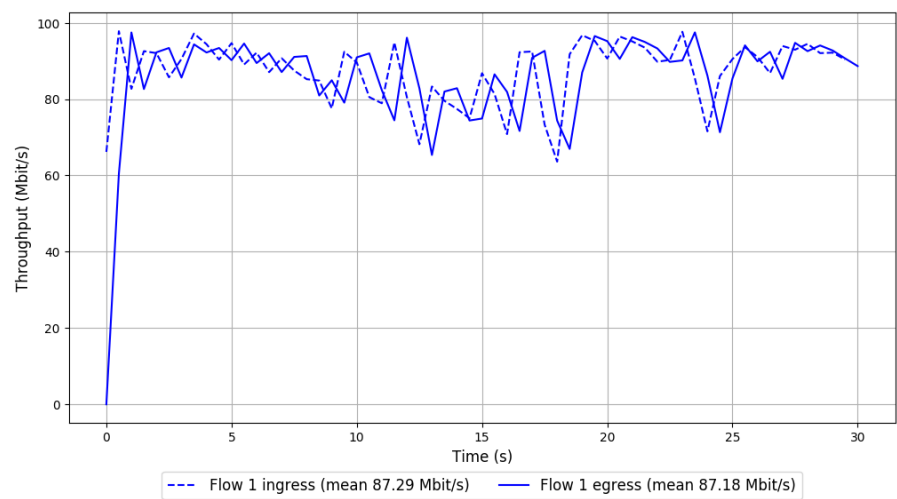


Run 5: Statistics of Verus

Start at: 2018-07-25 01:03:23
End at: 2018-07-25 01:03:53
Local clock offset: -1.951 ms
Remote clock offset: -10.243 ms

Below is generated by plot.py at 2018-07-25 03:21:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.18 Mbit/s
95th percentile per-packet one-way delay: 29.152 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 87.18 Mbit/s
95th percentile per-packet one-way delay: 29.152 ms
Loss rate: 0.24%

Run 5: Report of Verus — Data Link

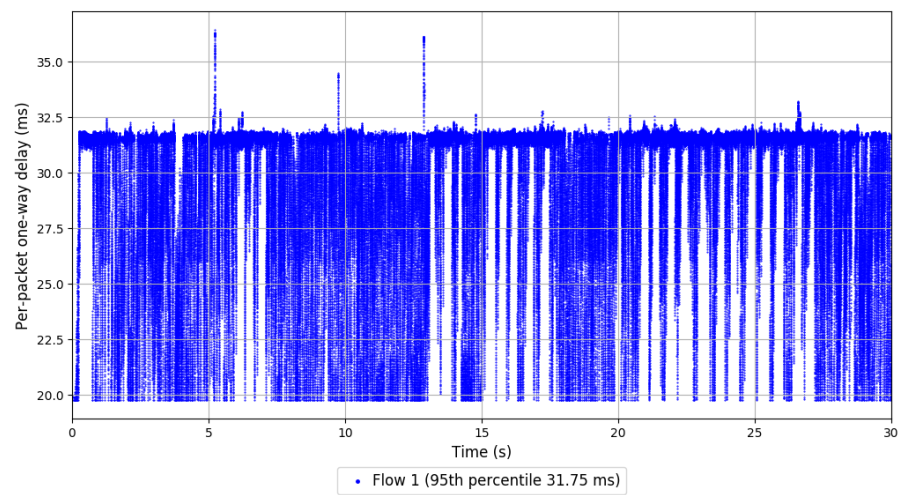
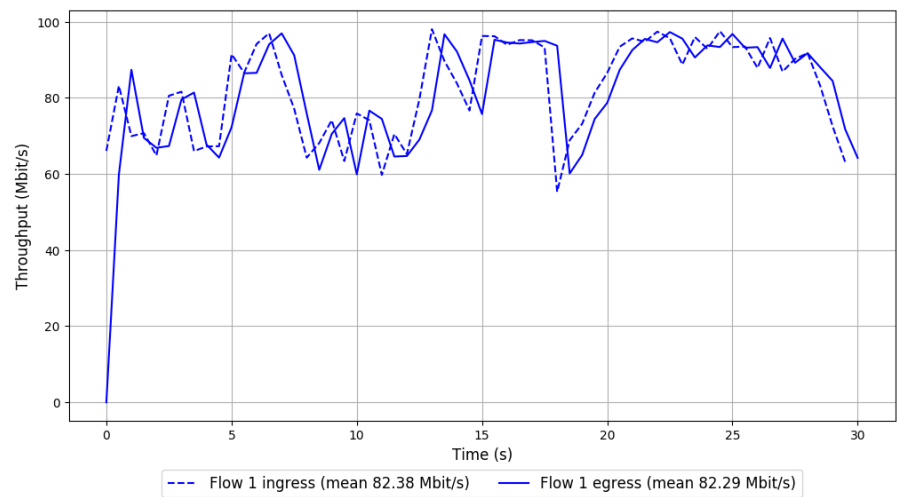


Run 6: Statistics of Verus

Start at: 2018-07-25 01:23:20
End at: 2018-07-25 01:23:50
Local clock offset: 0.855 ms
Remote clock offset: -8.671 ms

Below is generated by plot.py at 2018-07-25 03:21:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.29 Mbit/s
95th percentile per-packet one-way delay: 31.748 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 82.29 Mbit/s
95th percentile per-packet one-way delay: 31.748 ms
Loss rate: 0.15%

Run 6: Report of Verus — Data Link

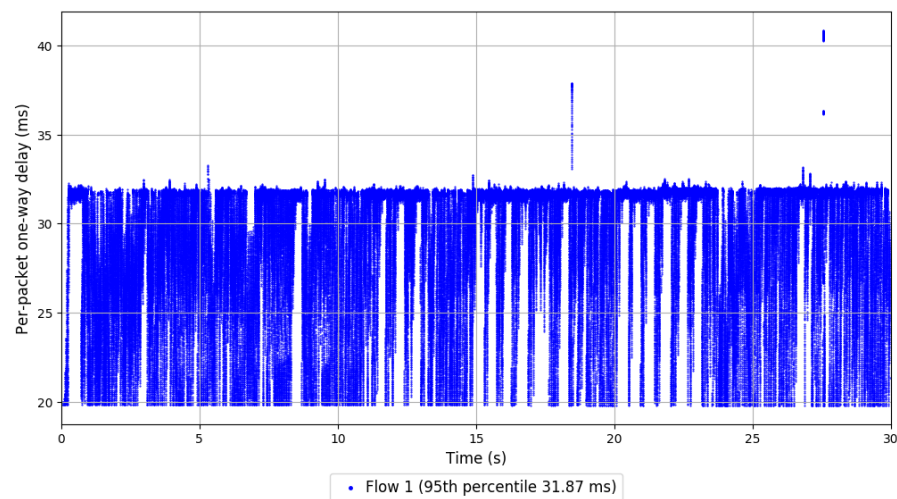
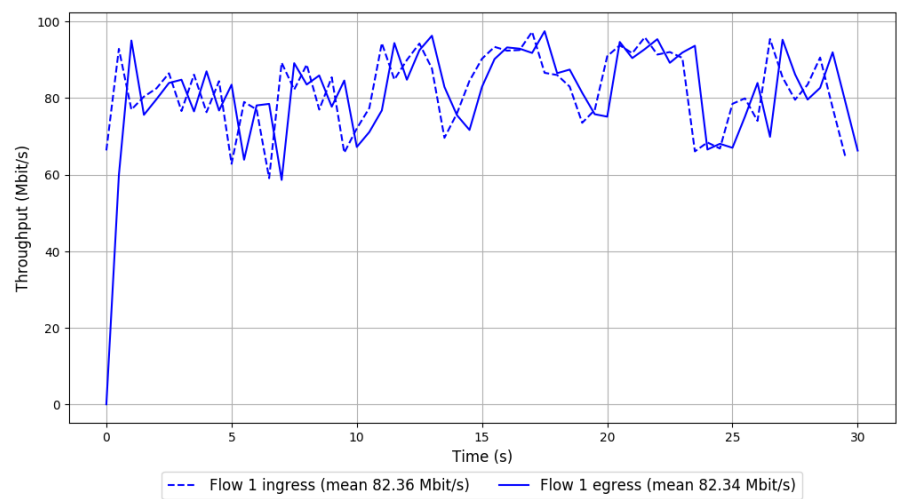


Run 7: Statistics of Verus

Start at: 2018-07-25 01:43:32
End at: 2018-07-25 01:44:02
Local clock offset: 2.315 ms
Remote clock offset: -9.827 ms

Below is generated by plot.py at 2018-07-25 03:21:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.34 Mbit/s
95th percentile per-packet one-way delay: 31.869 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 82.34 Mbit/s
95th percentile per-packet one-way delay: 31.869 ms
Loss rate: 0.09%

Run 7: Report of Verus — Data Link

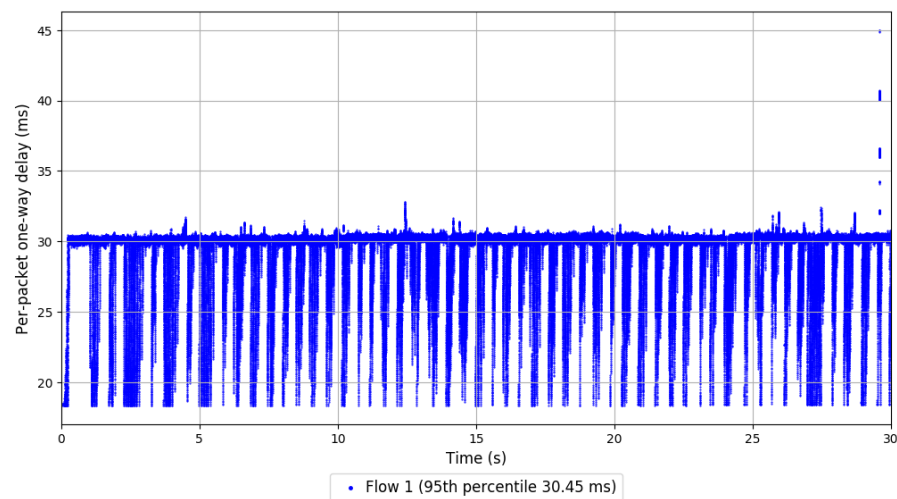
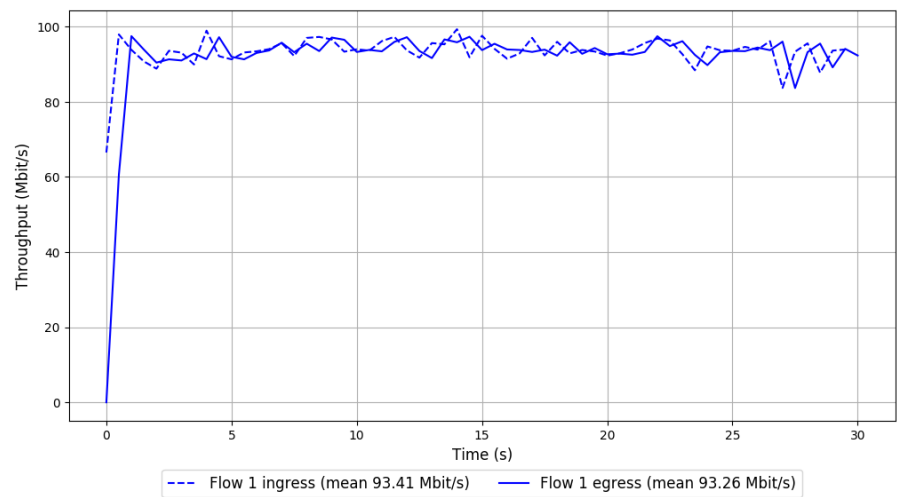


Run 8: Statistics of Verus

Start at: 2018-07-25 02:03:39
End at: 2018-07-25 02:04:09
Local clock offset: 2.015 ms
Remote clock offset: -9.701 ms

Below is generated by plot.py at 2018-07-25 03:22:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.26 Mbit/s
95th percentile per-packet one-way delay: 30.448 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 93.26 Mbit/s
95th percentile per-packet one-way delay: 30.448 ms
Loss rate: 0.24%

Run 8: Report of Verus — Data Link

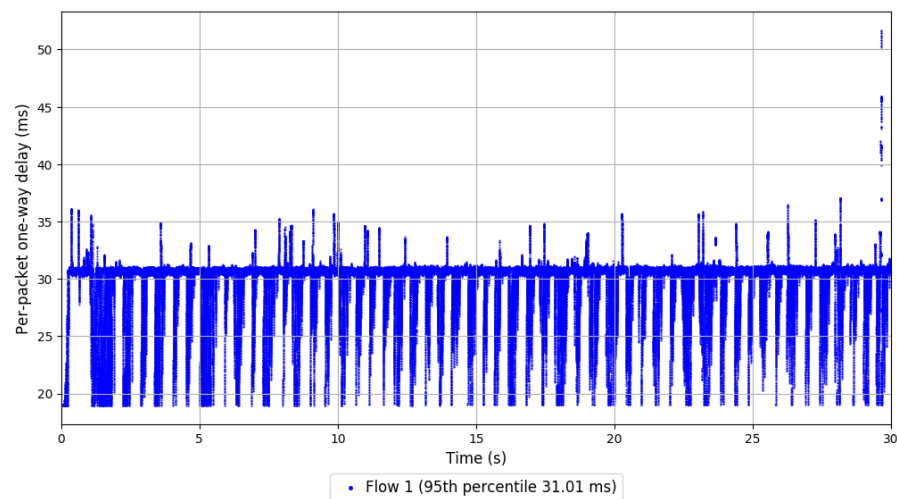
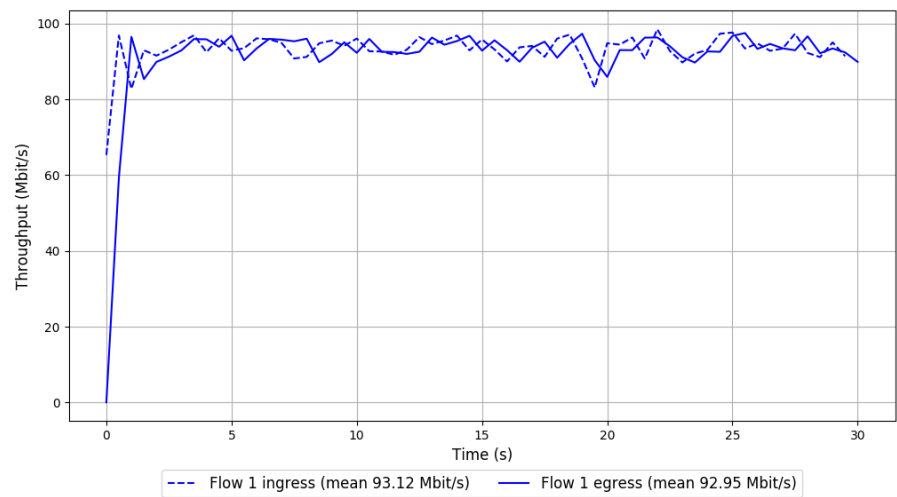


Run 9: Statistics of Verus

Start at: 2018-07-25 02:23:48
End at: 2018-07-25 02:24:18
Local clock offset: 1.692 ms
Remote clock offset: -4.901 ms

Below is generated by plot.py at 2018-07-25 03:22:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.95 Mbit/s
95th percentile per-packet one-way delay: 31.007 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 92.95 Mbit/s
95th percentile per-packet one-way delay: 31.007 ms
Loss rate: 0.29%

Run 9: Report of Verus — Data Link

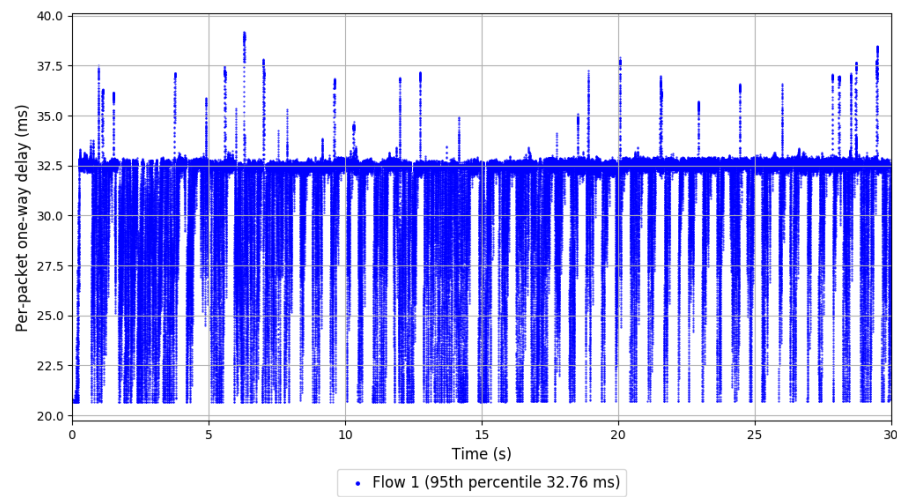
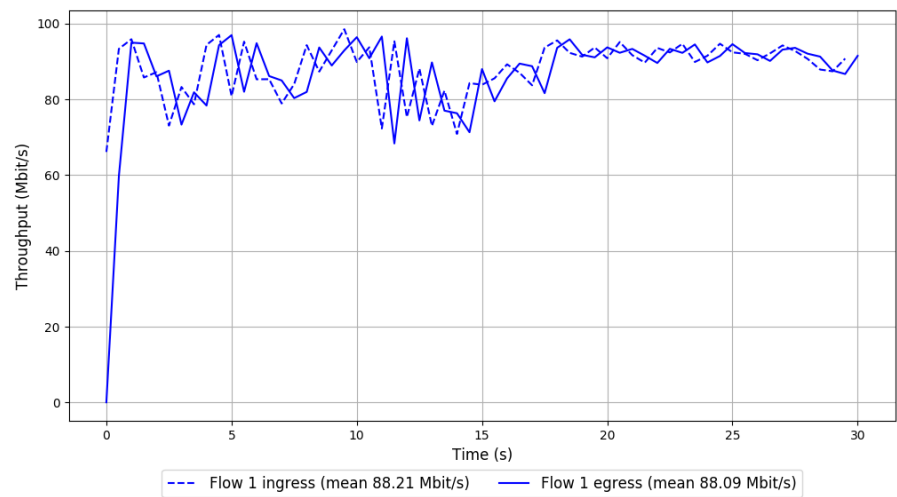


Run 10: Statistics of Verus

Start at: 2018-07-25 02:43:59
End at: 2018-07-25 02:44:29
Local clock offset: 2.549 ms
Remote clock offset: -2.865 ms

Below is generated by plot.py at 2018-07-25 03:22:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.09 Mbit/s
95th percentile per-packet one-way delay: 32.756 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 88.09 Mbit/s
95th percentile per-packet one-way delay: 32.756 ms
Loss rate: 0.20%

Run 10: Report of Verus — Data Link

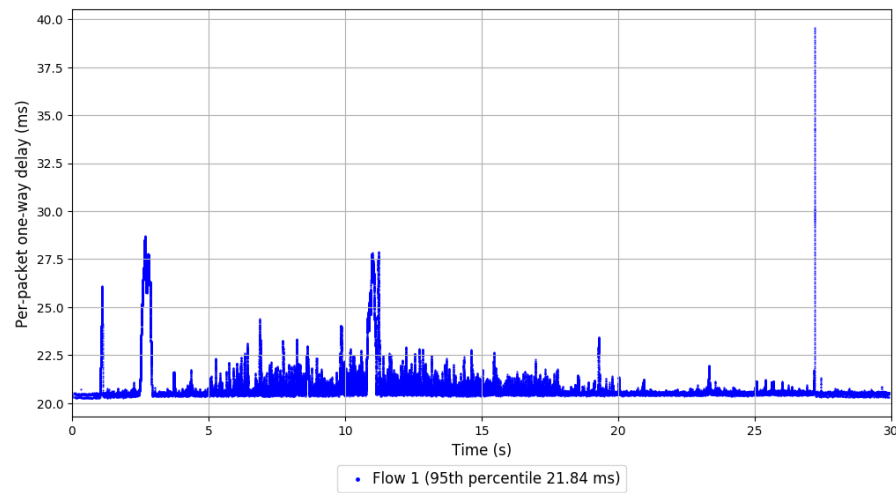
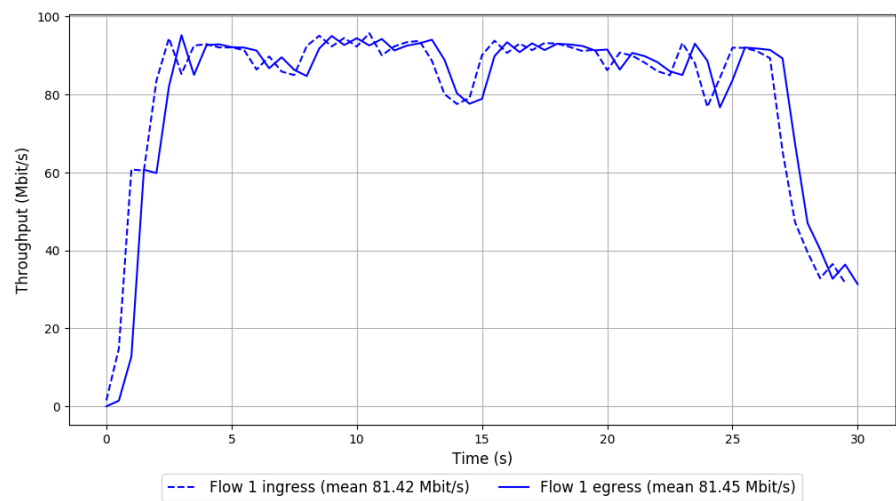


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-24 23:44:59
End at: 2018-07-24 23:45:29
Local clock offset: 3.198 ms
Remote clock offset: -4.924 ms

Below is generated by plot.py at 2018-07-25 03:22:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.45 Mbit/s
95th percentile per-packet one-way delay: 21.838 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 81.45 Mbit/s
95th percentile per-packet one-way delay: 21.838 ms
Loss rate: 0.04%

Run 1: Report of PCC-Vivace — Data Link

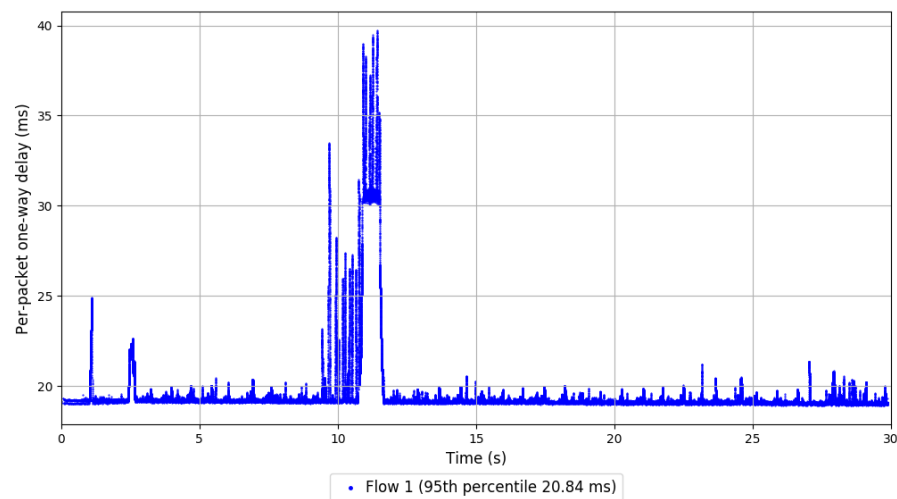
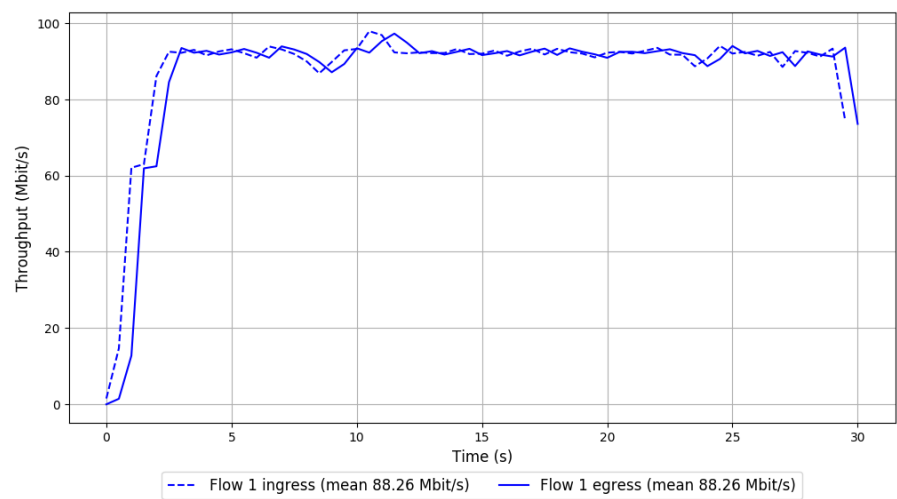


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-25 00:04:33
End at: 2018-07-25 00:05:03
Local clock offset: 0.855 ms
Remote clock offset: -12.777 ms

Below is generated by plot.py at 2018-07-25 03:22:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.26 Mbit/s
95th percentile per-packet one-way delay: 20.840 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 88.26 Mbit/s
95th percentile per-packet one-way delay: 20.840 ms
Loss rate: 0.09%

Run 2: Report of PCC-Vivace — Data Link

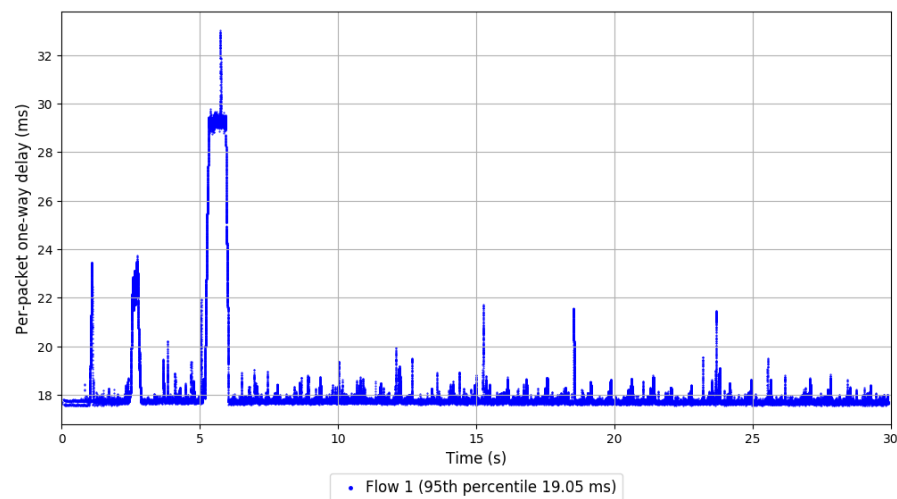
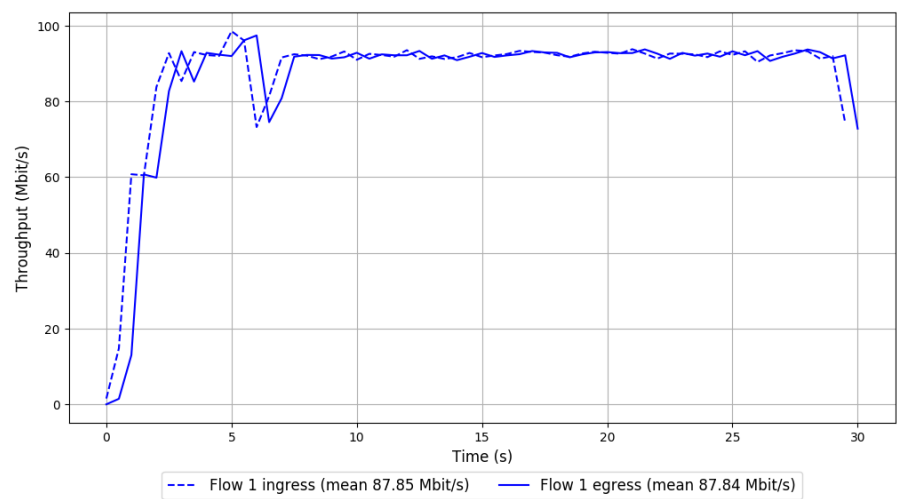


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-25 00:24:28
End at: 2018-07-25 00:24:58
Local clock offset: -0.047 ms
Remote clock offset: -16.788 ms

Below is generated by plot.py at 2018-07-25 03:23:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.84 Mbit/s
95th percentile per-packet one-way delay: 19.055 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 87.84 Mbit/s
95th percentile per-packet one-way delay: 19.055 ms
Loss rate: 0.10%

Run 3: Report of PCC-Vivace — Data Link

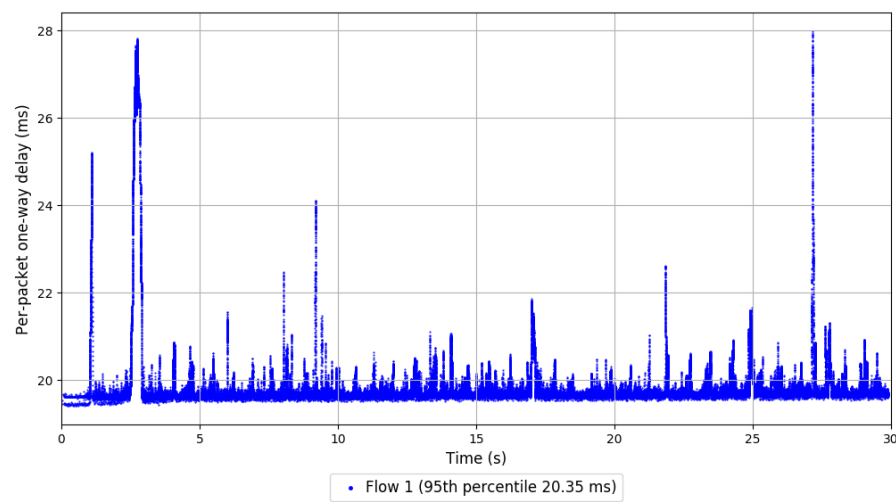
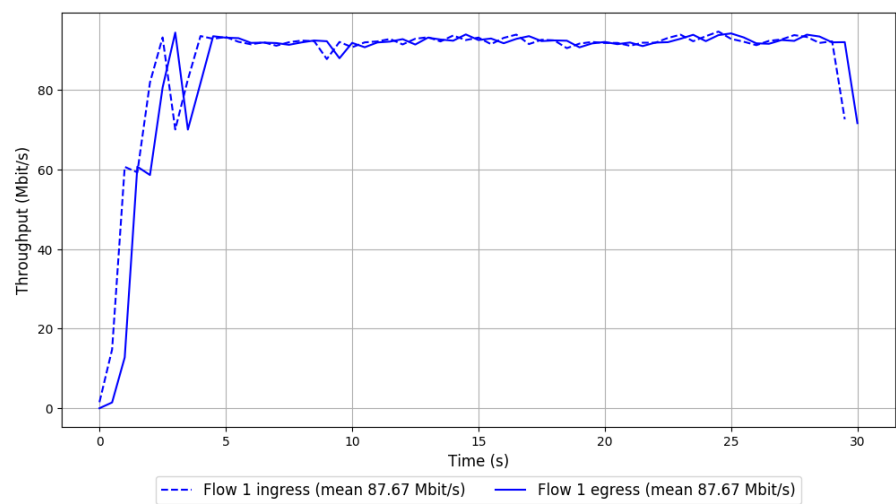


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-25 00:44:40
End at: 2018-07-25 00:45:10
Local clock offset: -3.526 ms
Remote clock offset: -15.574 ms

Below is generated by plot.py at 2018-07-25 03:23:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.67 Mbit/s
95th percentile per-packet one-way delay: 20.349 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 87.67 Mbit/s
95th percentile per-packet one-way delay: 20.349 ms
Loss rate: 0.09%

Run 4: Report of PCC-Vivace — Data Link

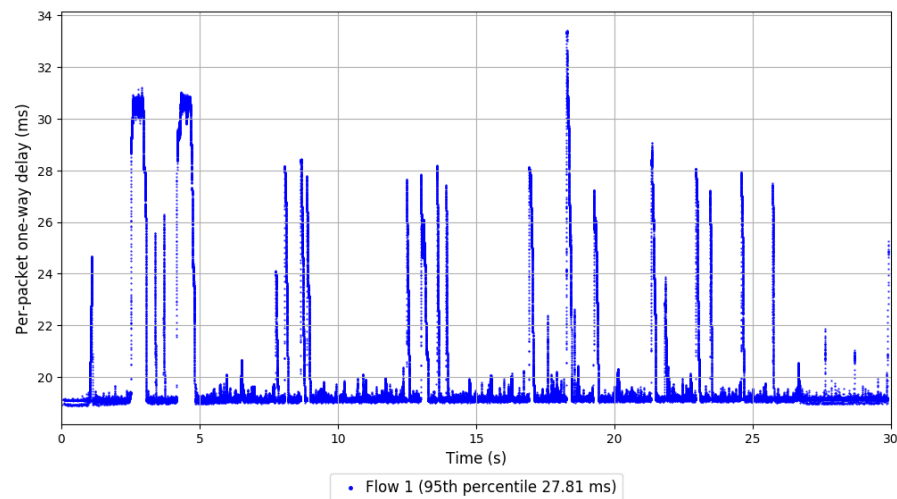
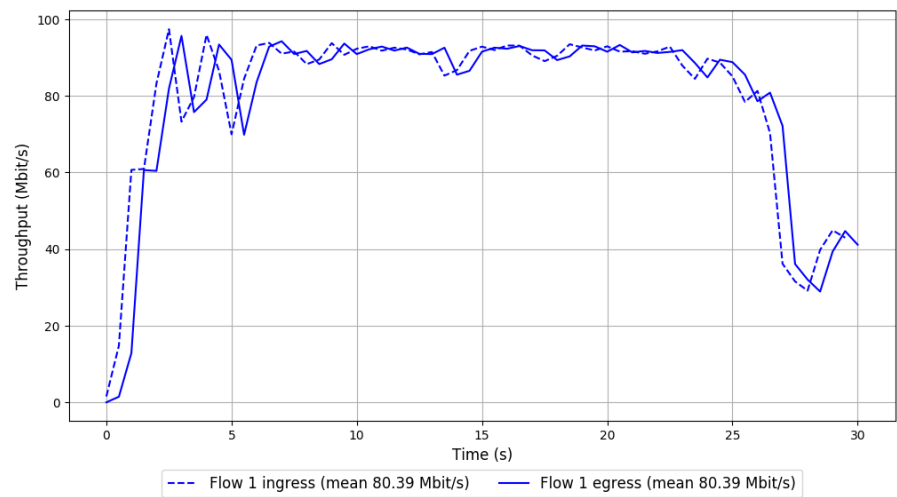


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-25 01:04:37
End at: 2018-07-25 01:05:07
Local clock offset: -0.134 ms
Remote clock offset: -10.276 ms

Below is generated by plot.py at 2018-07-25 03:23:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.39 Mbit/s
95th percentile per-packet one-way delay: 27.809 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 80.39 Mbit/s
95th percentile per-packet one-way delay: 27.809 ms
Loss rate: 0.09%

Run 5: Report of PCC-Vivace — Data Link

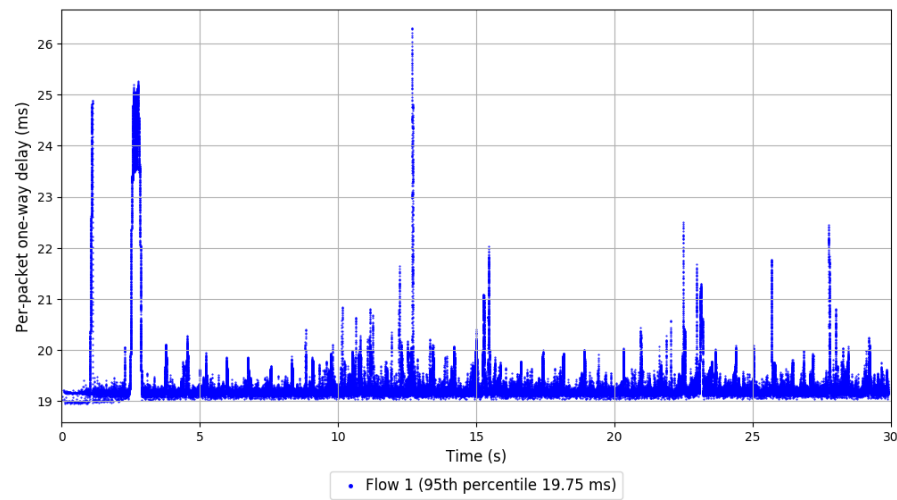
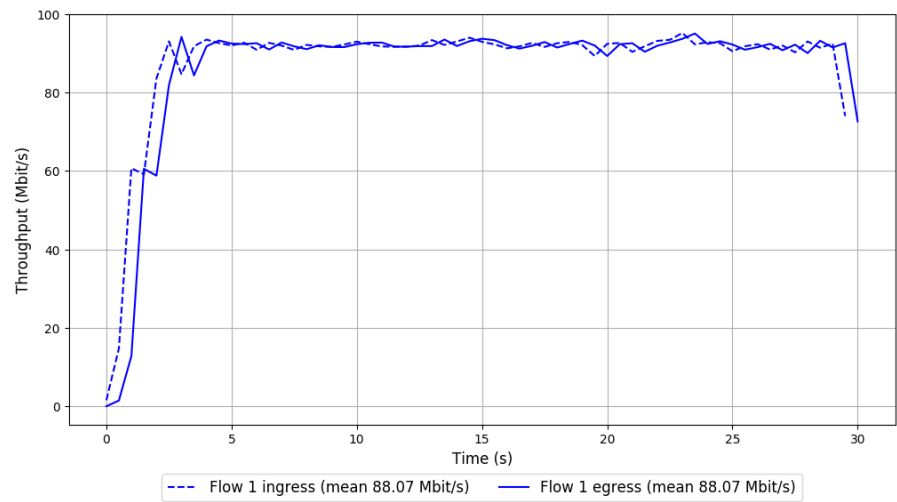


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-25 01:24:31
End at: 2018-07-25 01:25:01
Local clock offset: -0.017 ms
Remote clock offset: -8.882 ms

Below is generated by plot.py at 2018-07-25 03:23:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.07 Mbit/s
95th percentile per-packet one-way delay: 19.745 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 88.07 Mbit/s
95th percentile per-packet one-way delay: 19.745 ms
Loss rate: 0.09%

Run 6: Report of PCC-Vivace — Data Link

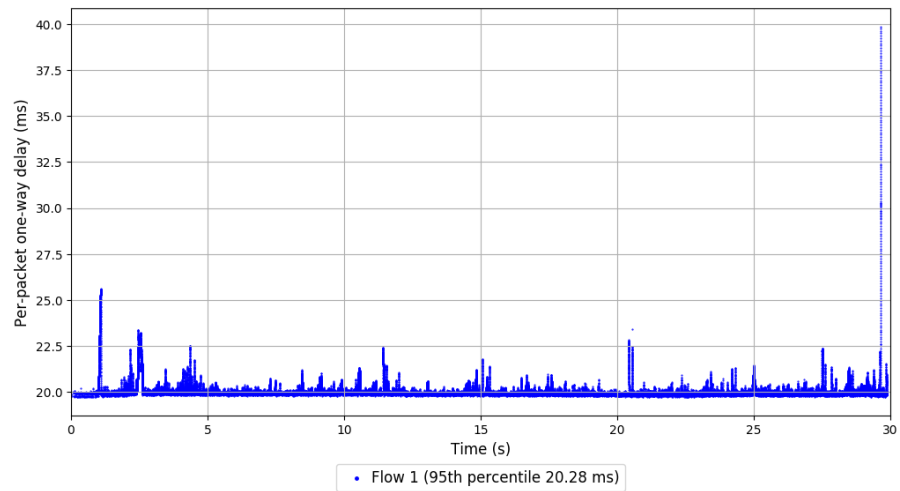
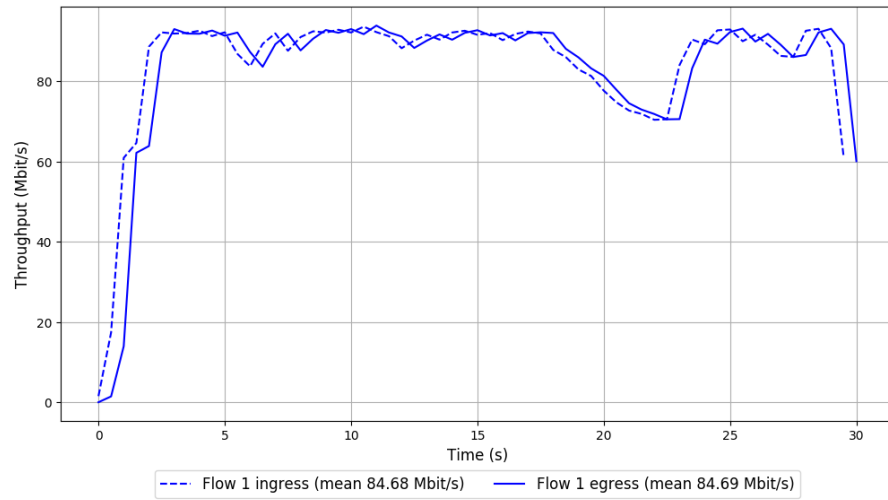


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-25 01:44:41
End at: 2018-07-25 01:45:11
Local clock offset: 2.93 ms
Remote clock offset: -9.457 ms

Below is generated by plot.py at 2018-07-25 03:23:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.69 Mbit/s
95th percentile per-packet one-way delay: 20.280 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 84.69 Mbit/s
95th percentile per-packet one-way delay: 20.280 ms
Loss rate: 0.07%

Run 7: Report of PCC-Vivace — Data Link

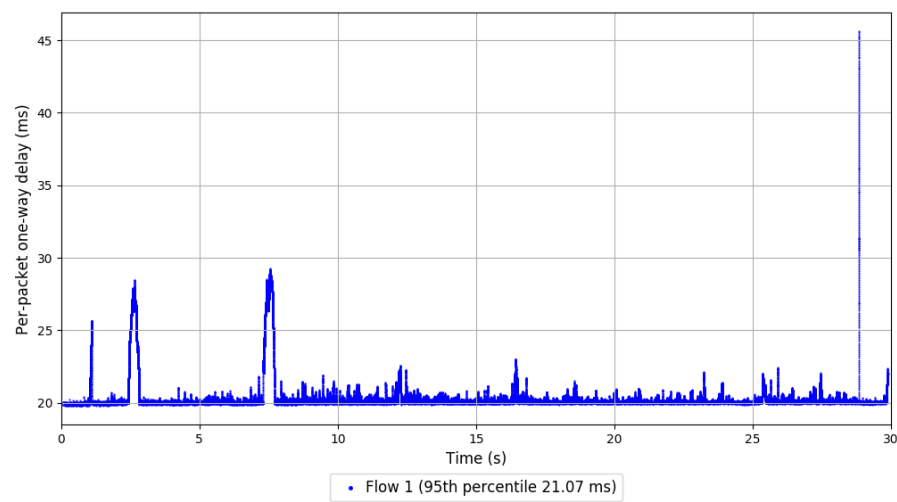
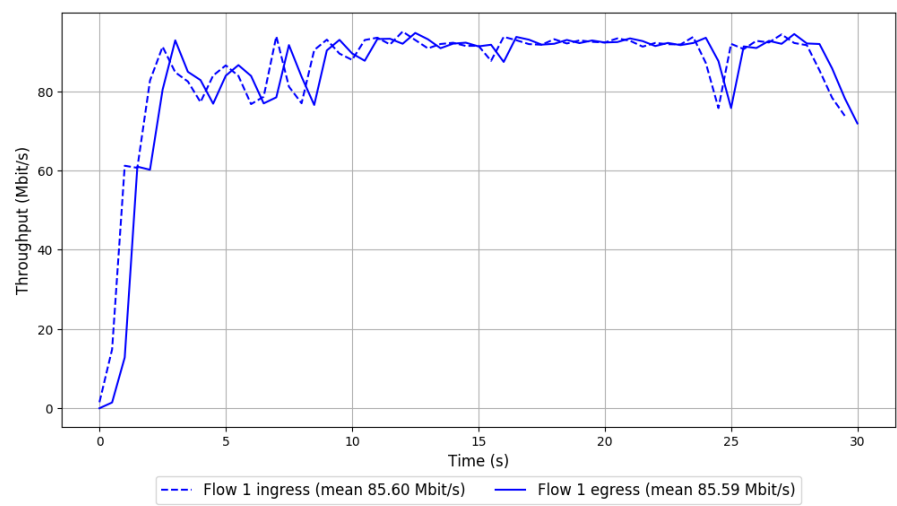


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-25 02:04:51
End at: 2018-07-25 02:05:22
Local clock offset: 2.887 ms
Remote clock offset: -10.366 ms

Below is generated by plot.py at 2018-07-25 03:23:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.59 Mbit/s
95th percentile per-packet one-way delay: 21.069 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 85.59 Mbit/s
95th percentile per-packet one-way delay: 21.069 ms
Loss rate: 0.10%

Run 8: Report of PCC-Vivace — Data Link

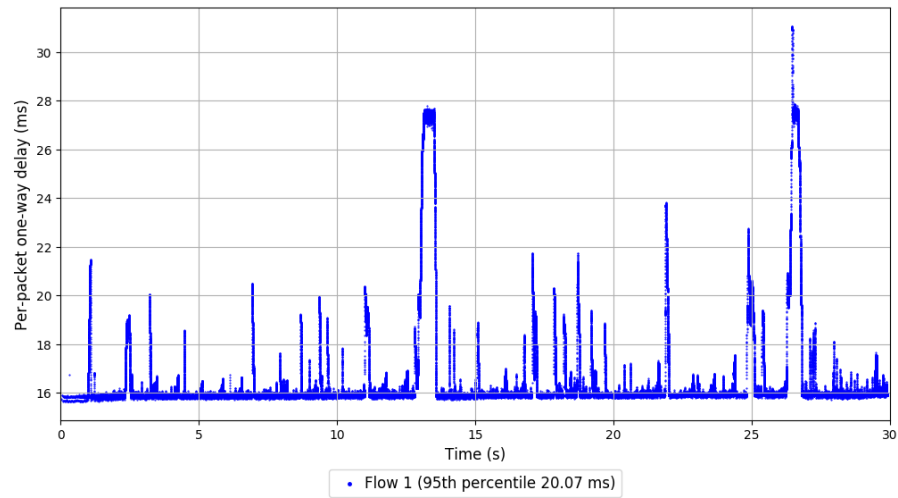
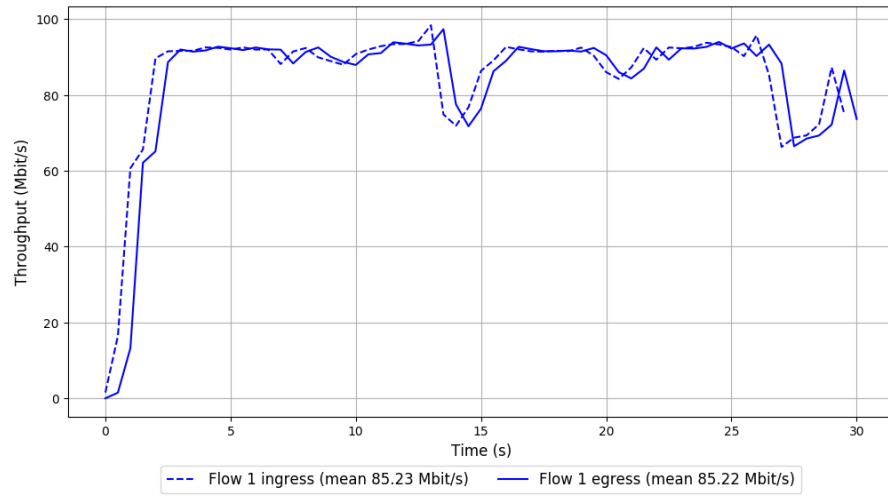


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-25 02:24:59
End at: 2018-07-25 02:25:29
Local clock offset: -1.303 ms
Remote clock offset: -4.571 ms

Below is generated by plot.py at 2018-07-25 03:23:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.22 Mbit/s
95th percentile per-packet one-way delay: 20.066 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 85.22 Mbit/s
95th percentile per-packet one-way delay: 20.066 ms
Loss rate: 0.10%

Run 9: Report of PCC-Vivace — Data Link

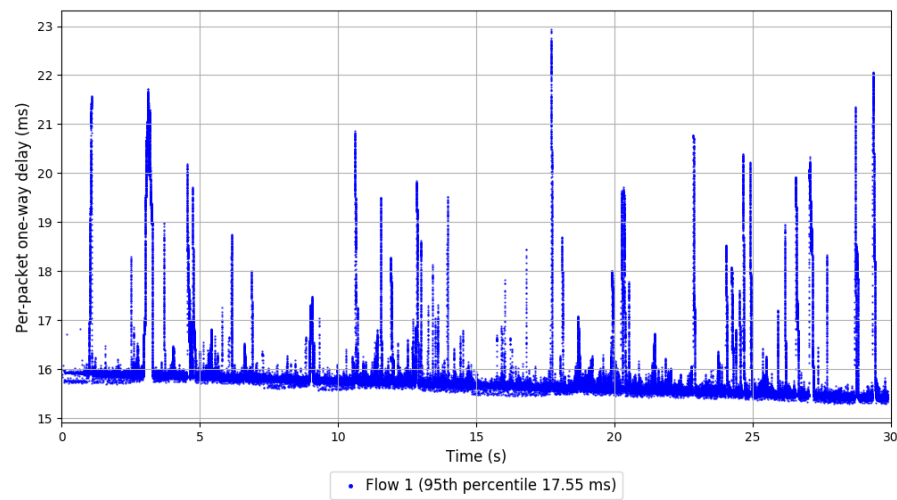
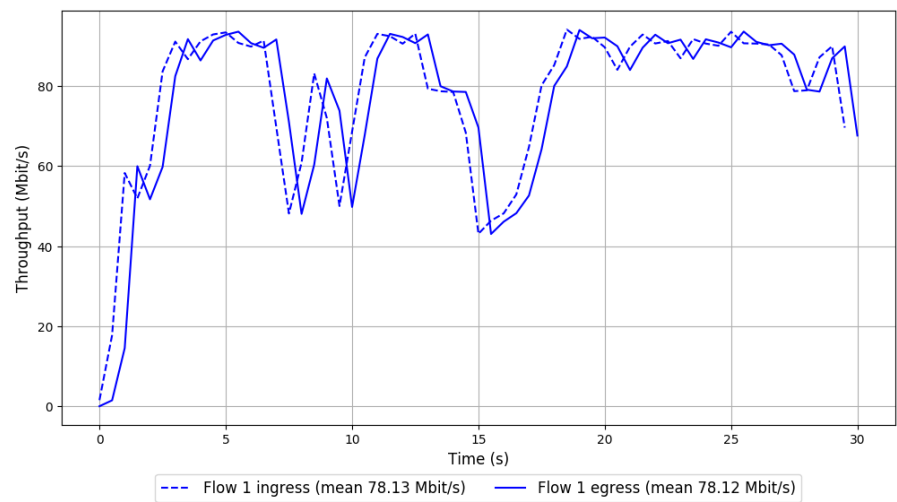


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-25 02:45:11
End at: 2018-07-25 02:45:41
Local clock offset: -1.509 ms
Remote clock offset: -2.948 ms

Below is generated by plot.py at 2018-07-25 03:23:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.12 Mbit/s
95th percentile per-packet one-way delay: 17.546 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 78.12 Mbit/s
95th percentile per-packet one-way delay: 17.546 ms
Loss rate: 0.10%

Run 10: Report of PCC-Vivace — Data Link

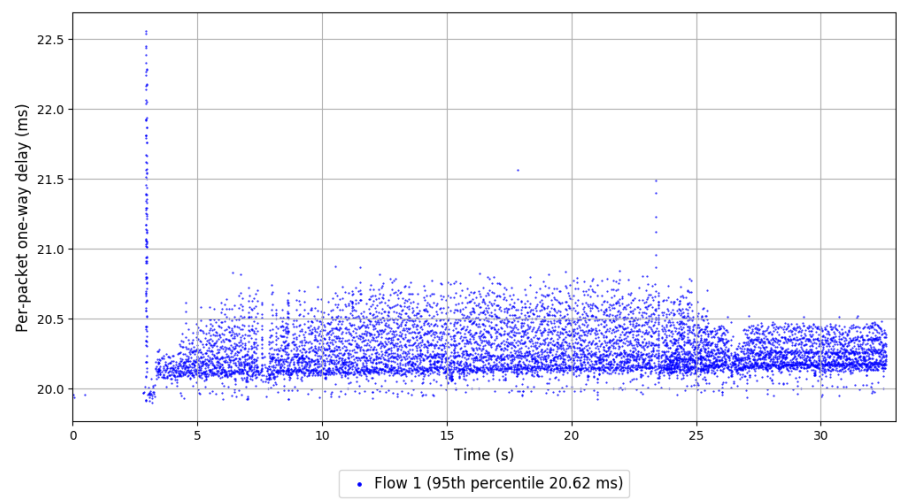
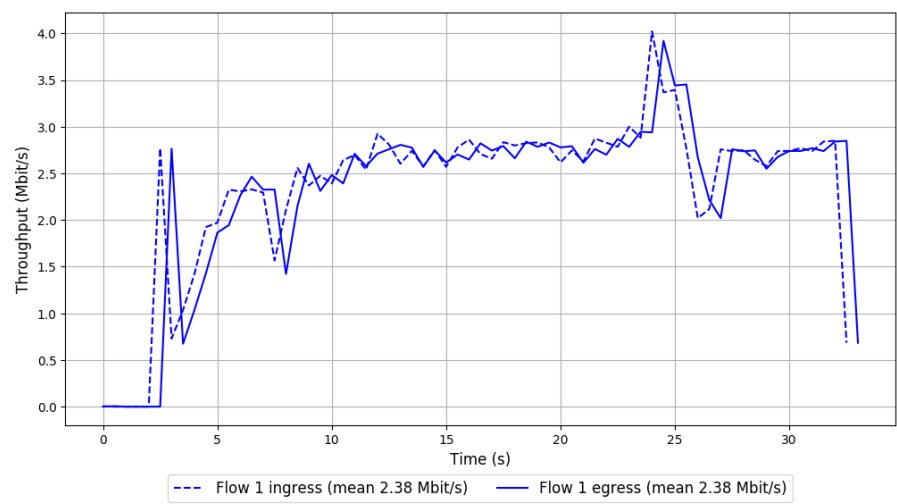


Run 1: Statistics of WebRTC media

Start at: 2018-07-24 23:48:30
End at: 2018-07-24 23:49:01
Local clock offset: 2.292 ms
Remote clock offset: -5.043 ms

Below is generated by plot.py at 2018-07-25 03:23:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 20.617 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 20.617 ms
Loss rate: 0.06%

Run 1: Report of WebRTC media — Data Link

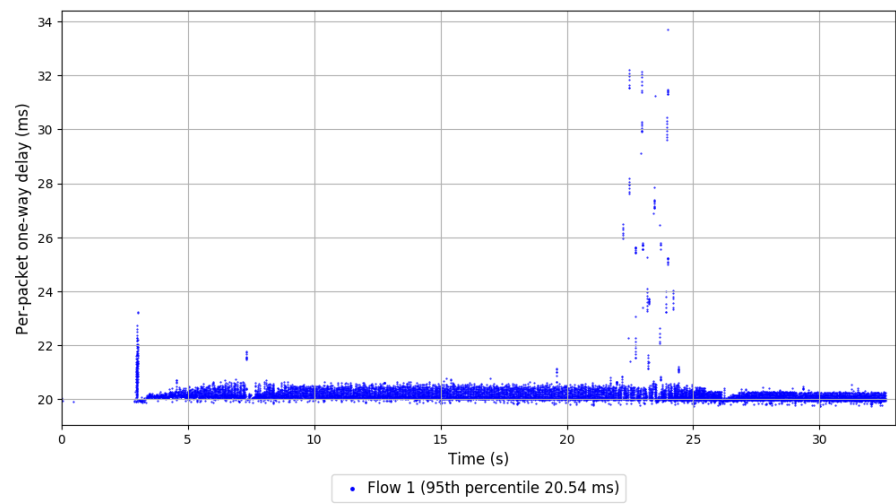
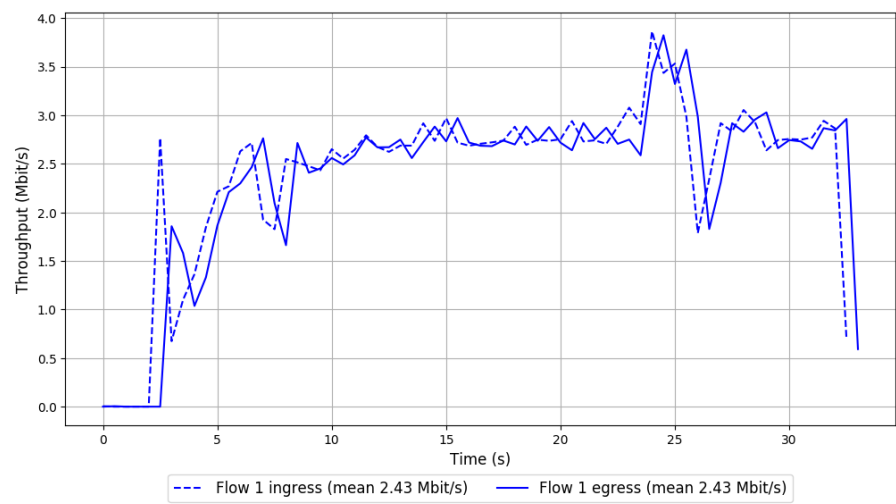


Run 2: Statistics of WebRTC media

Start at: 2018-07-25 00:08:13
End at: 2018-07-25 00:08:43
Local clock offset: 1.974 ms
Remote clock offset: -13.733 ms

Below is generated by plot.py at 2018-07-25 03:23:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 20.537 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 20.537 ms
Loss rate: 0.12%

Run 2: Report of WebRTC media — Data Link

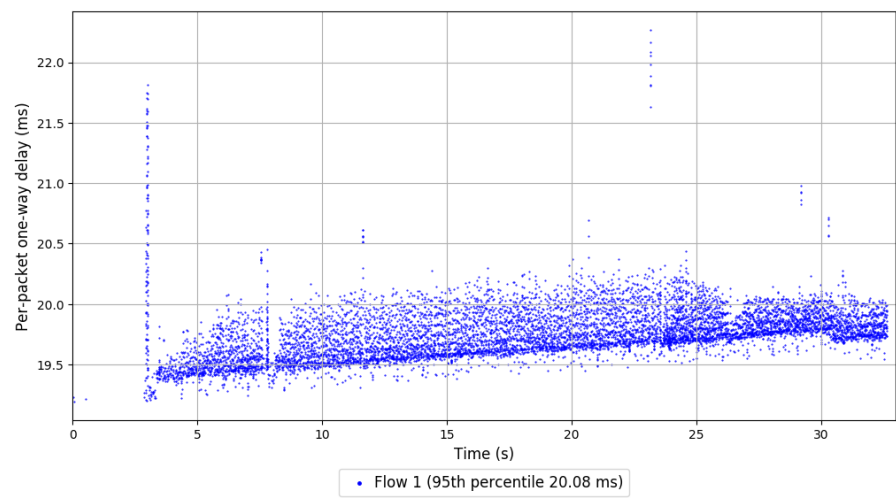
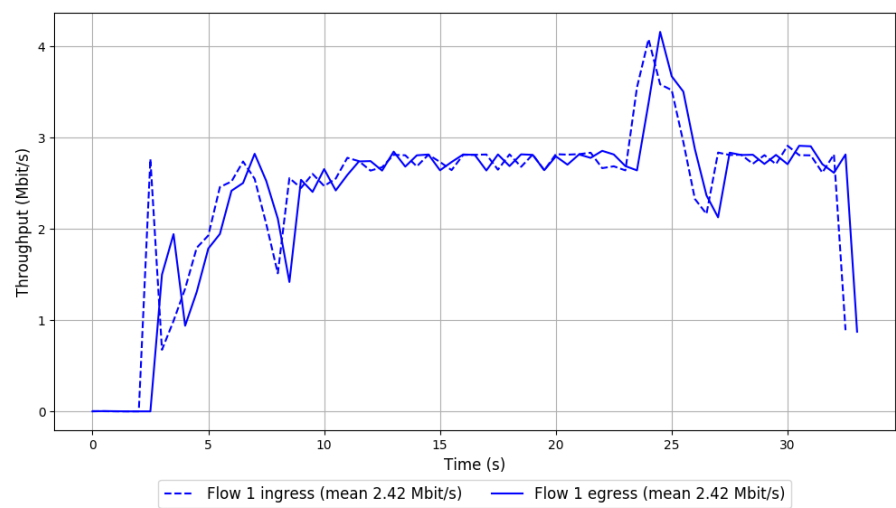


Run 3: Statistics of WebRTC media

Start at: 2018-07-25 00:28:06
End at: 2018-07-25 00:28:36
Local clock offset: 0.59 ms
Remote clock offset: -17.538 ms

Below is generated by plot.py at 2018-07-25 03:23:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 20.082 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 20.082 ms
Loss rate: 0.07%

Run 3: Report of WebRTC media — Data Link

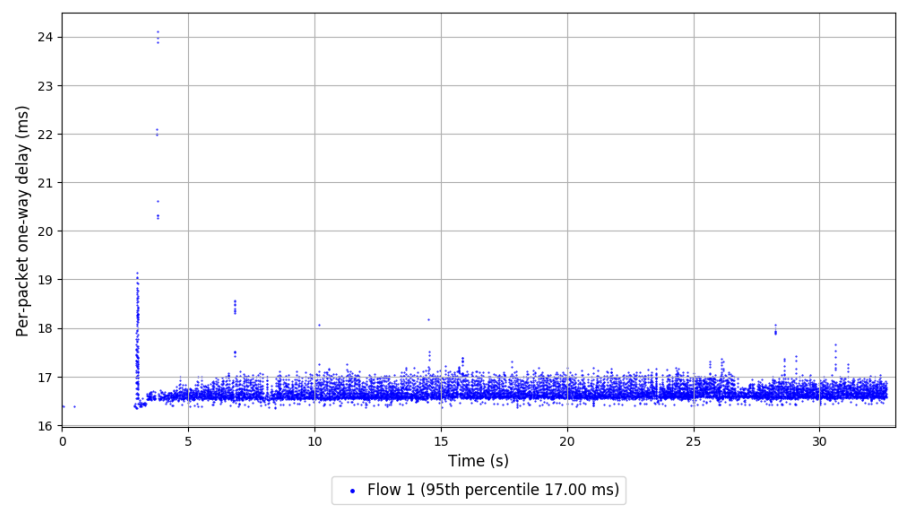
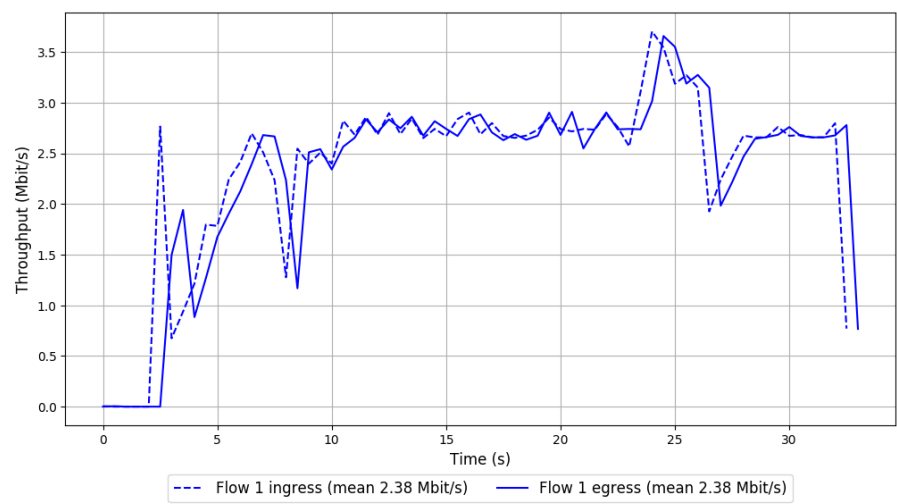


Run 4: Statistics of WebRTC media

Start at: 2018-07-25 00:48:14
End at: 2018-07-25 00:48:44
Local clock offset: -2.062 ms
Remote clock offset: -10.669 ms

Below is generated by plot.py at 2018-07-25 03:23:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 17.005 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 17.005 ms
Loss rate: 0.08%

Run 4: Report of WebRTC media — Data Link

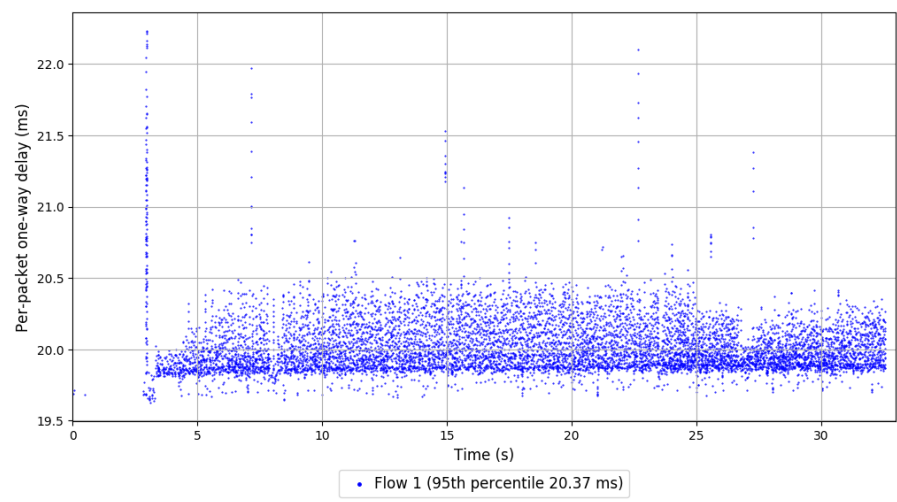
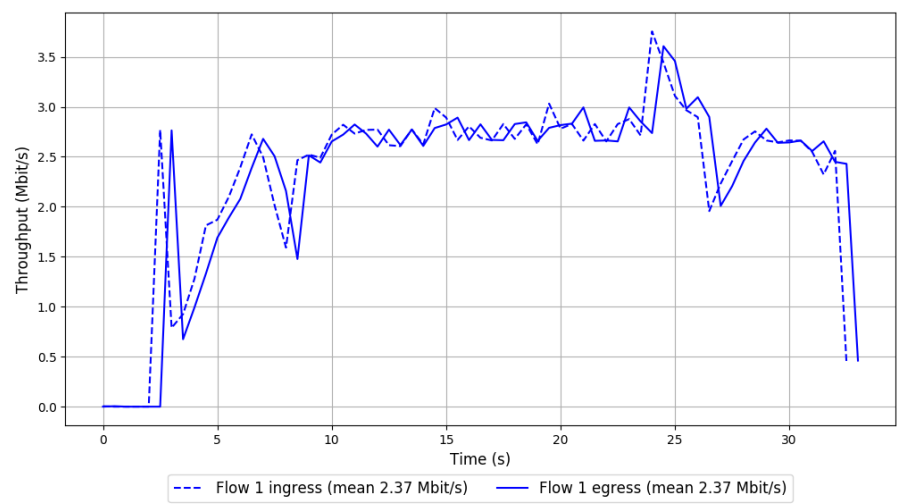


Run 5: Statistics of WebRTC media

Start at: 2018-07-25 01:08:13
End at: 2018-07-25 01:08:43
Local clock offset: 0.883 ms
Remote clock offset: -9.538 ms

Below is generated by plot.py at 2018-07-25 03:23:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 20.367 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 20.367 ms
Loss rate: 0.07%

Run 5: Report of WebRTC media — Data Link

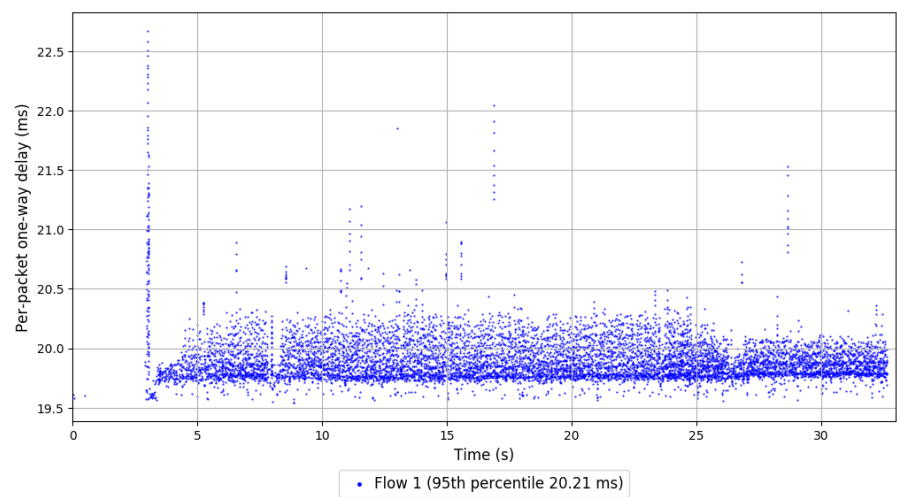
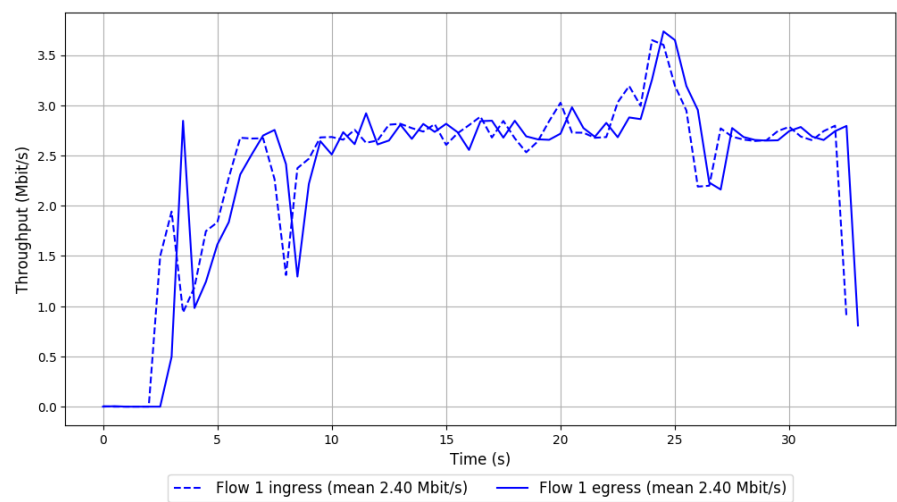


Run 6: Statistics of WebRTC media

Start at: 2018-07-25 01:28:12
End at: 2018-07-25 01:28:42
Local clock offset: 0.854 ms
Remote clock offset: -8.488 ms

Below is generated by plot.py at 2018-07-25 03:23:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 20.213 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 20.213 ms
Loss rate: 0.11%

Run 6: Report of WebRTC media — Data Link

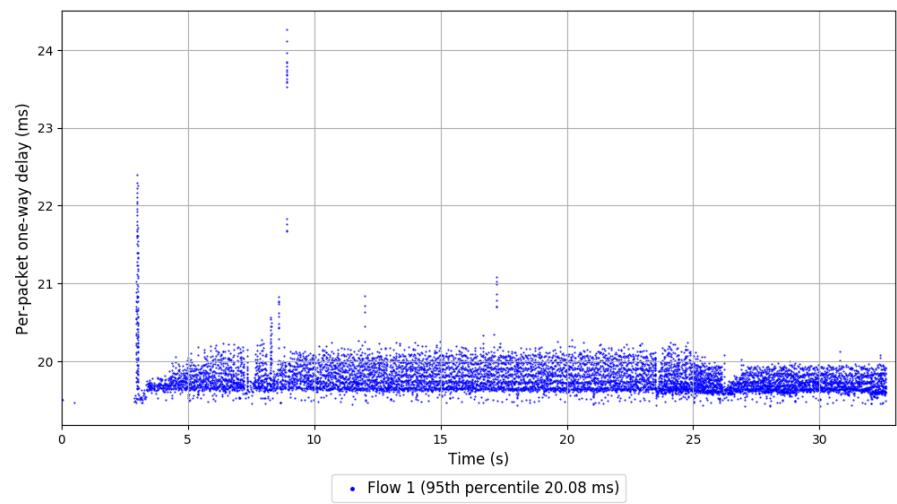
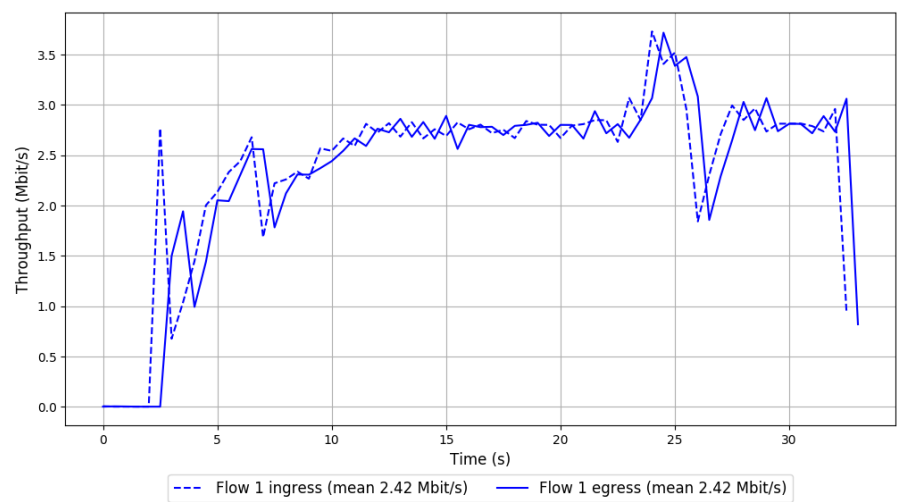


Run 7: Statistics of WebRTC media

Start at: 2018-07-25 01:48:20
End at: 2018-07-25 01:48:50
Local clock offset: 2.645 ms
Remote clock offset: -9.814 ms

Below is generated by plot.py at 2018-07-25 03:23:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 20.083 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 20.083 ms
Loss rate: 0.08%

Run 7: Report of WebRTC media — Data Link

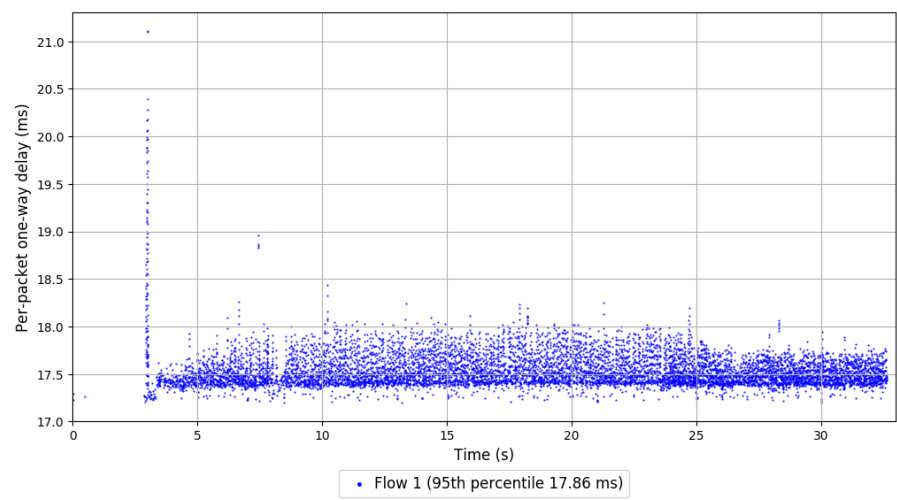
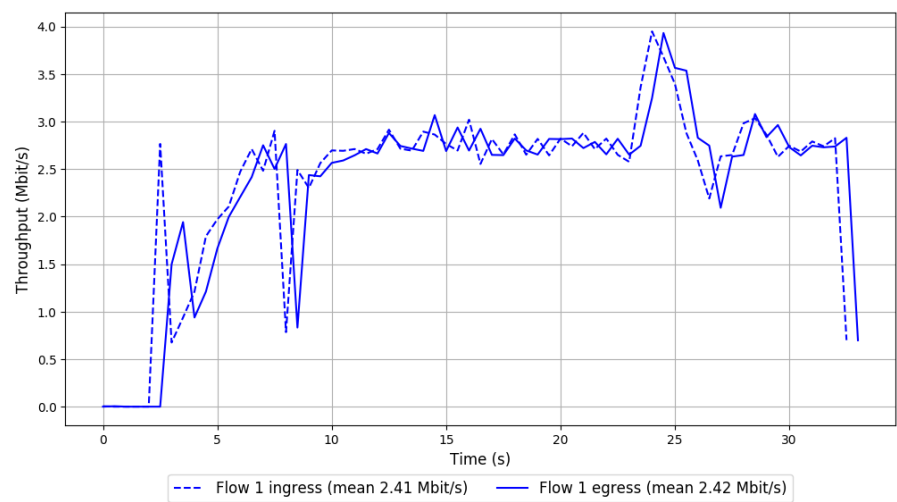


Run 8: Statistics of WebRTC media

Start at: 2018-07-25 02:08:34
End at: 2018-07-25 02:09:04
Local clock offset: 0.588 ms
Remote clock offset: -9.848 ms

Below is generated by plot.py at 2018-07-25 03:23:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 17.862 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 17.862 ms
Loss rate: 0.06%

Run 8: Report of WebRTC media — Data Link

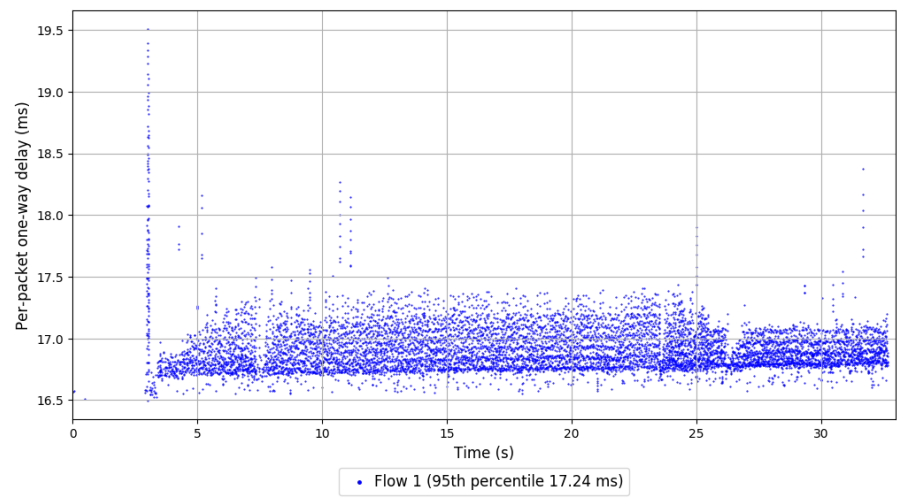
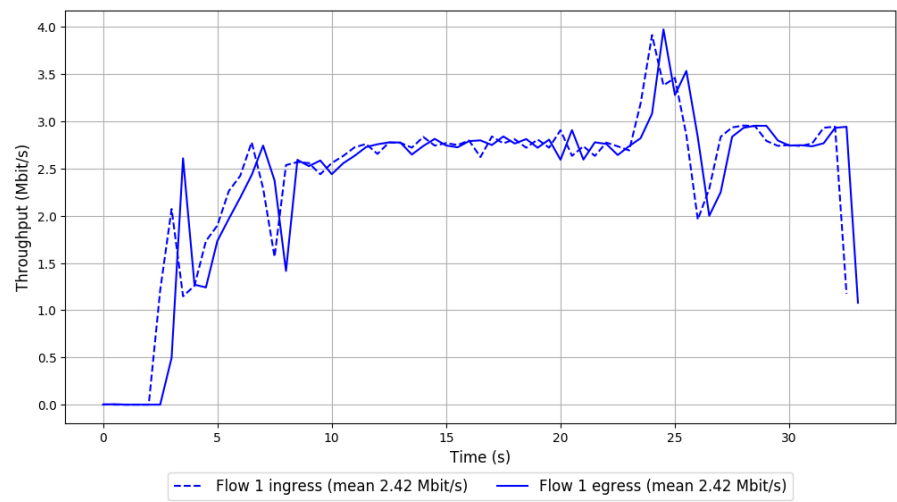


Run 9: Statistics of WebRTC media

Start at: 2018-07-25 02:28:34
End at: 2018-07-25 02:29:04
Local clock offset: -1.202 ms
Remote clock offset: -4.746 ms

Below is generated by plot.py at 2018-07-25 03:23:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 17.239 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 17.239 ms
Loss rate: 0.12%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-25 02:48:50

End at: 2018-07-25 02:49:20

Local clock offset: 1.879 ms

Remote clock offset: -6.26 ms

Below is generated by plot.py at 2018-07-25 03:23:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 19.769 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 19.769 ms

Loss rate: 0.13%

Run 10: Report of WebRTC media — Data Link

