

Pantheon Report

Generated at 2018-08-09 07:10:23 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

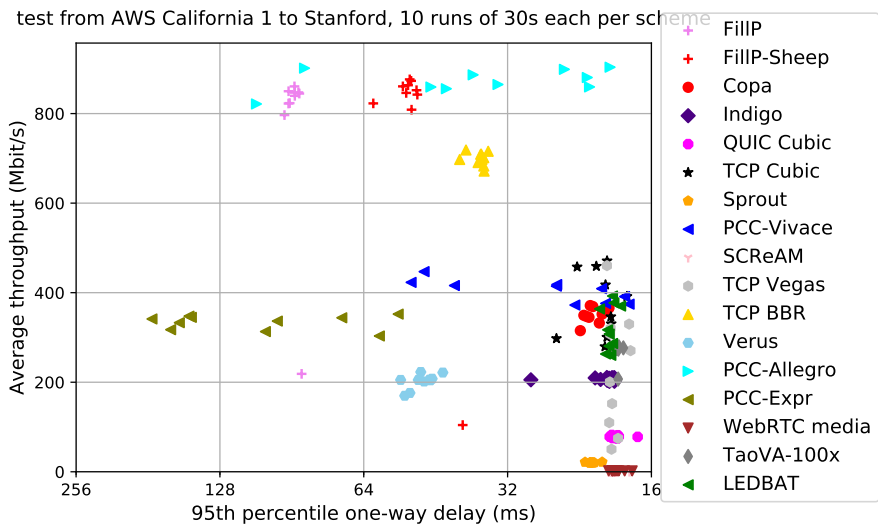
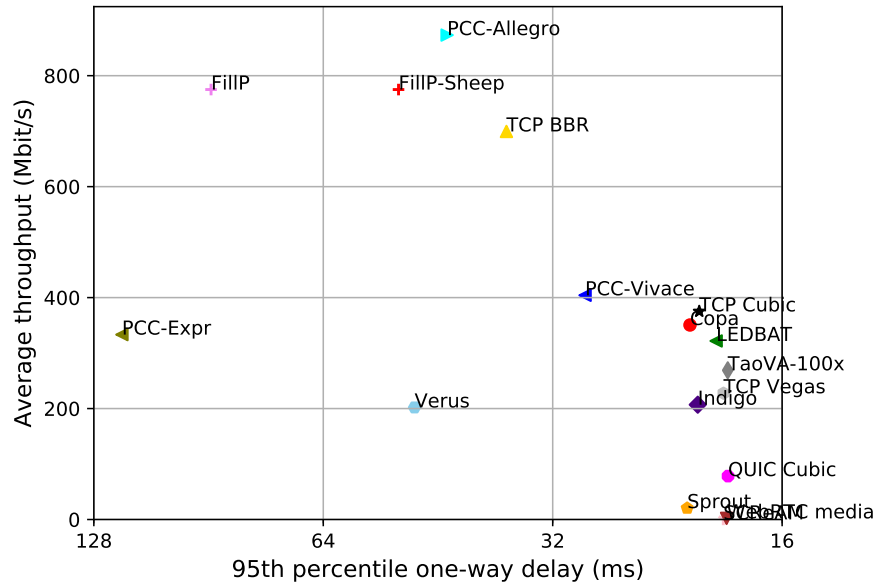
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

Git summary:

```
branch: master @ 7772df3413f4b07ba0096dfdd8e9d4c6dca623e3
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
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-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	699.50	36.80	0.42
Copa	10	350.62	21.14	0.09
TCP Cubic	10	375.12	20.55	0.13
FillP	10	775.03	89.83	4.34
FillP-Sheep	10	775.00	50.98	5.41
Indigo	10	206.94	20.65	0.14
LEDBAT	10	321.86	19.53	0.03
PCC-Allegro	10	873.17	44.02	0.79
PCC-Expr	10	333.30	117.59	0.66
QUIC Cubic	10	78.26	18.84	0.04
SCReAM	10	0.21	19.11	0.07
Sprout	10	20.55	21.32	0.08
TaoVA-100x	10	268.95	18.86	0.05
TCP Vegas	10	227.60	19.10	0.12
Verus	10	202.01	48.58	21.01
PCC-Vivace	10	404.16	29.02	0.04
WebRTC media	10	2.06	18.92	0.06

Run 1: Statistics of TCP BBR

Start at: 2018-08-09 01:20:46

End at: 2018-08-09 01:21:16

Local clock offset: -18.92 ms

Remote clock offset: 3.49 ms

Below is generated by plot.py at 2018-08-09 05:36:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 718.71 Mbit/s

95th percentile per-packet one-way delay: 39.103 ms

Loss rate: 0.35%

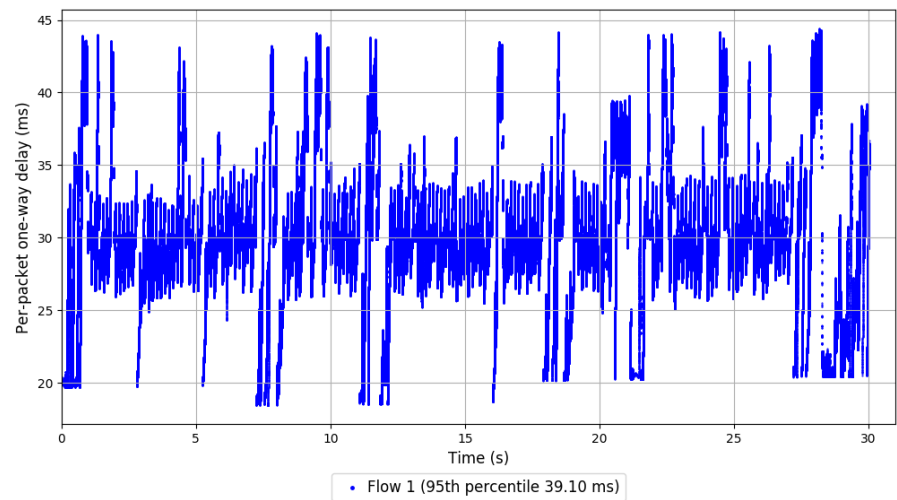
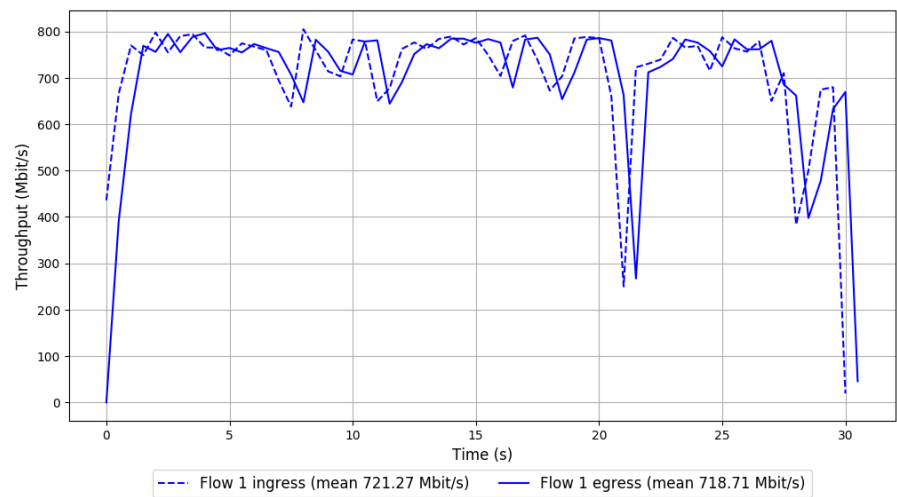
-- Flow 1:

Average throughput: 718.71 Mbit/s

95th percentile per-packet one-way delay: 39.103 ms

Loss rate: 0.35%

Run 1: Report of TCP BBR — Data Link

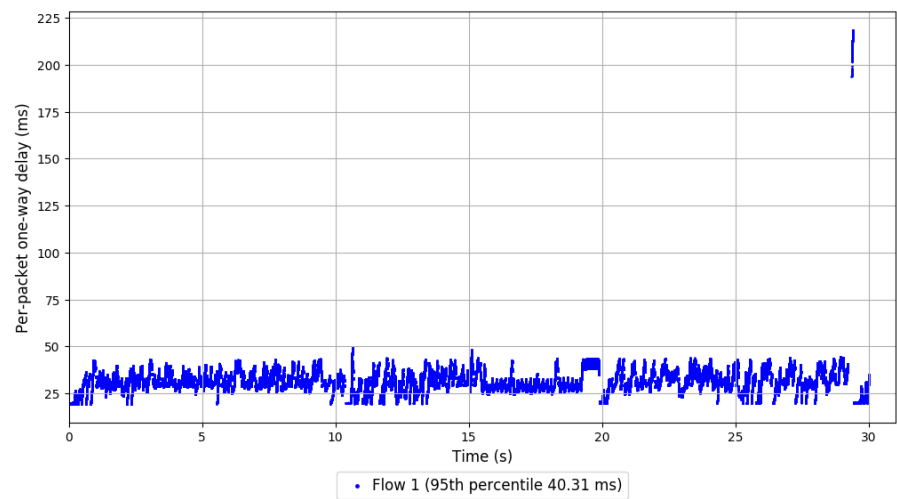
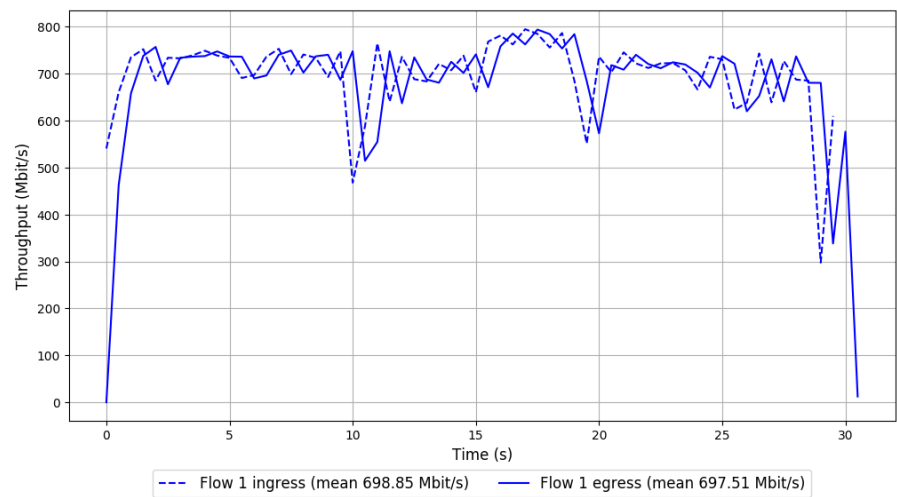


Run 2: Statistics of TCP BBR

Start at: 2018-08-09 01:46:13
End at: 2018-08-09 01:46:43
Local clock offset: -12.197 ms
Remote clock offset: -3.077 ms

Below is generated by plot.py at 2018-08-09 05:36:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 697.51 Mbit/s
95th percentile per-packet one-way delay: 40.310 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 697.51 Mbit/s
95th percentile per-packet one-way delay: 40.310 ms
Loss rate: 0.19%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-08-09 02:11:42

End at: 2018-08-09 02:12:12

Local clock offset: -8.14 ms

Remote clock offset: -5.411 ms

Below is generated by plot.py at 2018-08-09 05:36:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 709.38 Mbit/s

95th percentile per-packet one-way delay: 36.338 ms

Loss rate: 0.36%

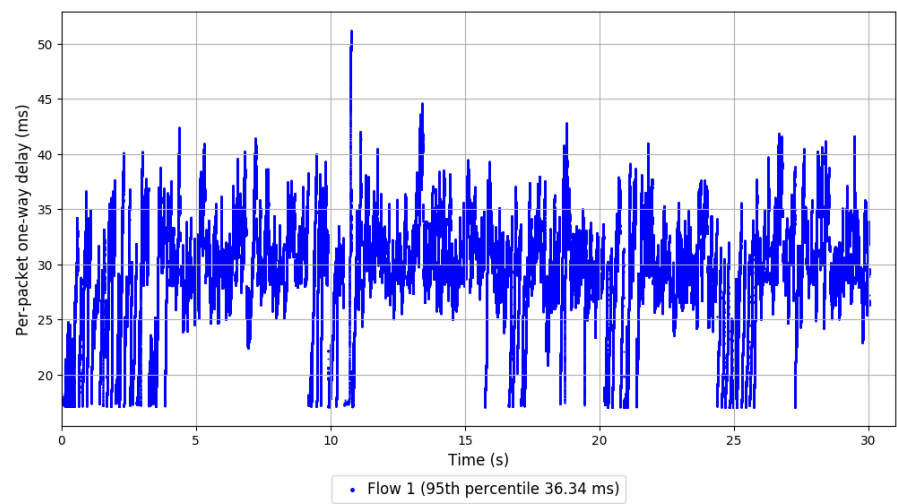
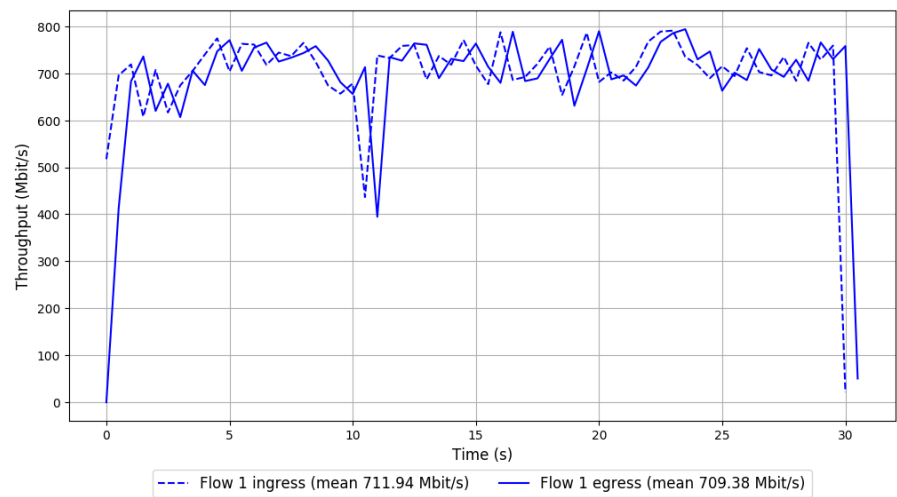
-- Flow 1:

Average throughput: 709.38 Mbit/s

95th percentile per-packet one-way delay: 36.338 ms

Loss rate: 0.36%

Run 3: Report of TCP BBR — Data Link

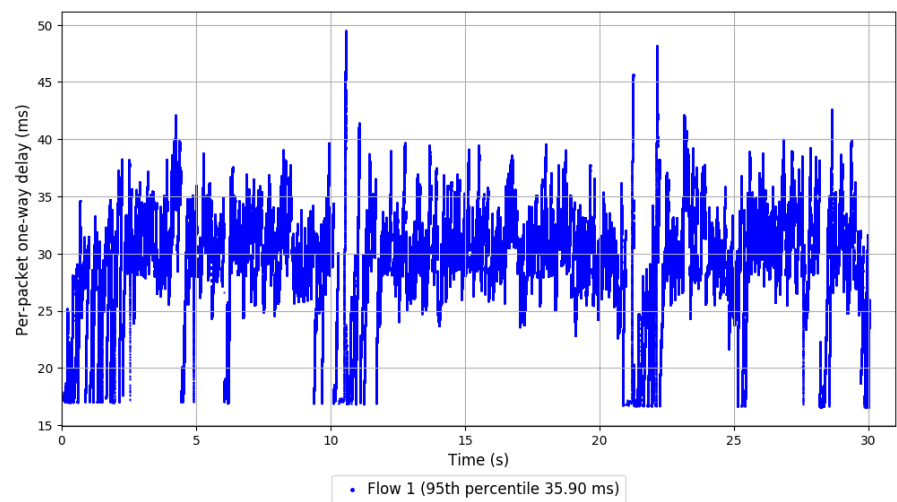
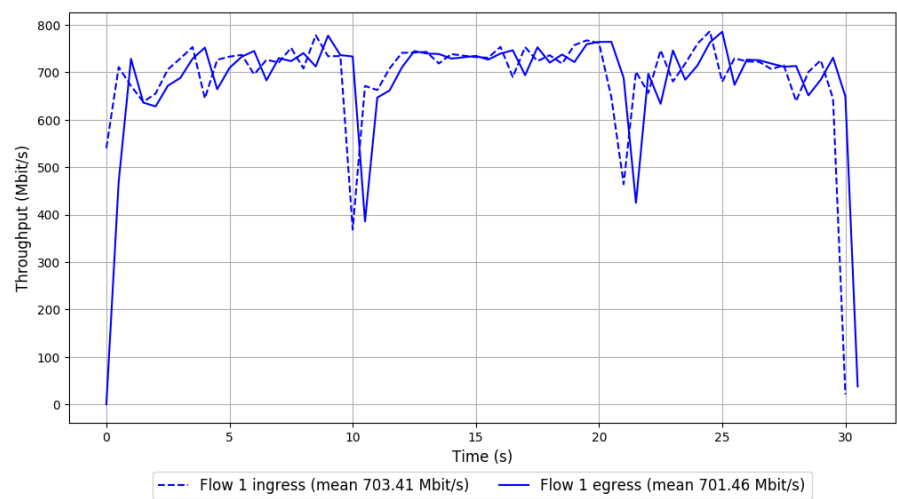


Run 4: Statistics of TCP BBR

Start at: 2018-08-09 02:37:19
End at: 2018-08-09 02:37:49
Local clock offset: -7.452 ms
Remote clock offset: -6.186 ms

Below is generated by plot.py at 2018-08-09 05:36:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 701.46 Mbit/s
95th percentile per-packet one-way delay: 35.895 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 701.46 Mbit/s
95th percentile per-packet one-way delay: 35.895 ms
Loss rate: 0.27%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-08-09 03:02:38

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

Local clock offset: -2.289 ms

Remote clock offset: 1.188 ms

Below is generated by plot.py at 2018-08-09 05:36:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 682.89 Mbit/s

95th percentile per-packet one-way delay: 35.891 ms

Loss rate: 0.99%

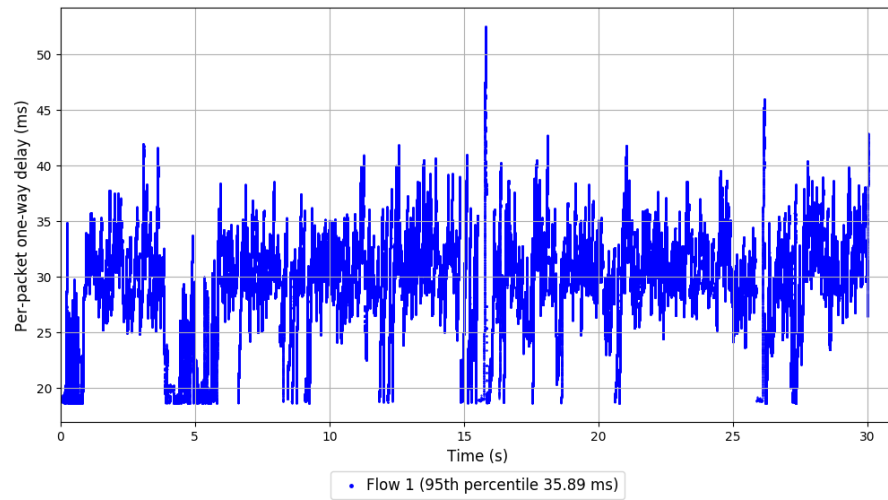
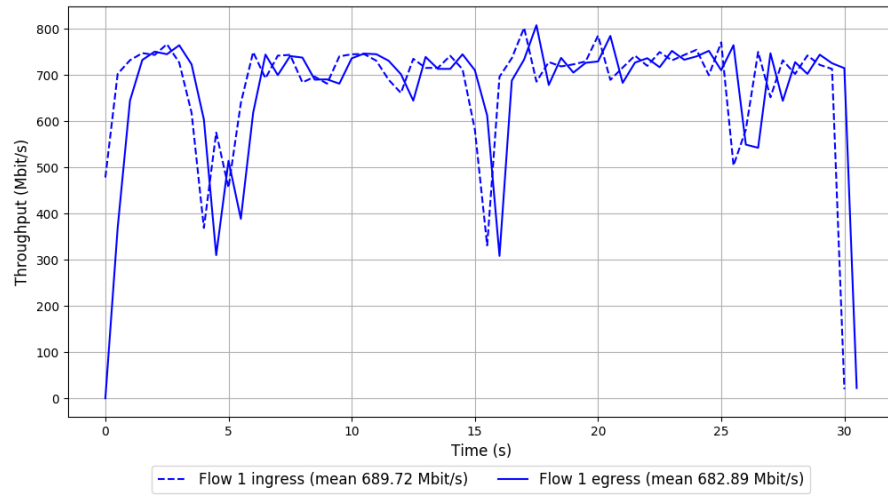
-- Flow 1:

Average throughput: 682.89 Mbit/s

95th percentile per-packet one-way delay: 35.891 ms

Loss rate: 0.99%

Run 5: Report of TCP BBR — Data Link

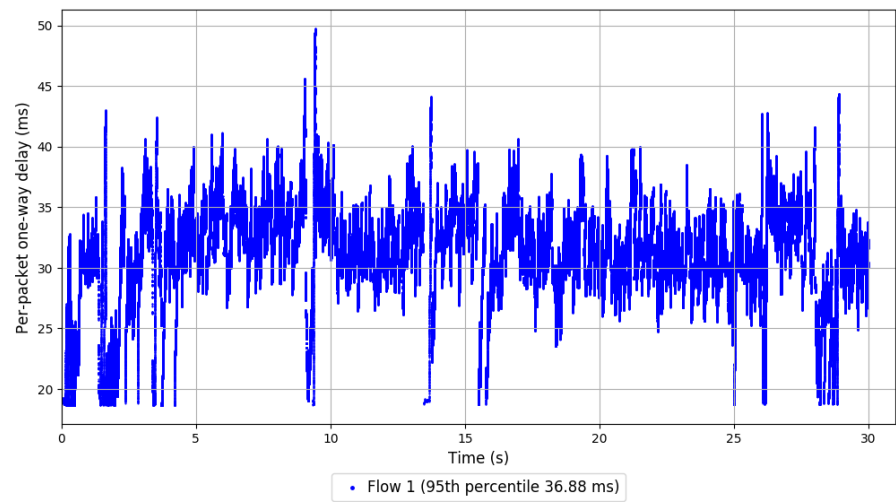
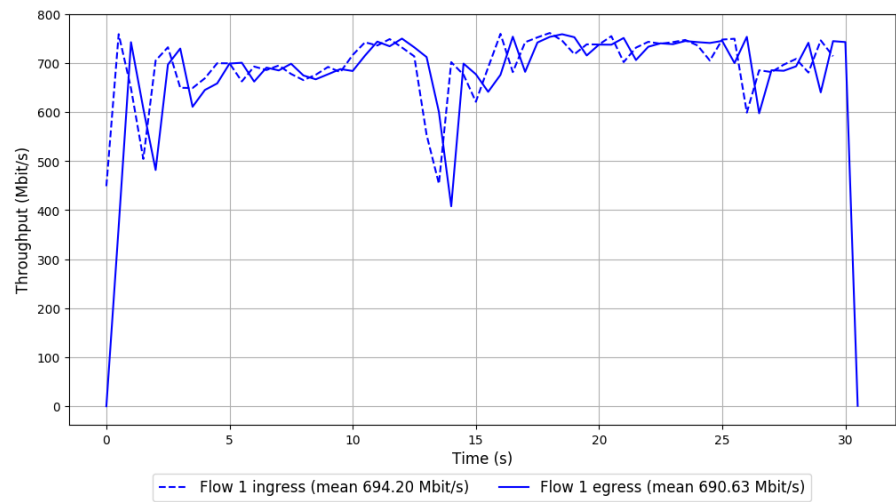


Run 6: Statistics of TCP BBR

Start at: 2018-08-09 03:28:16
End at: 2018-08-09 03:28:46
Local clock offset: -0.876 ms
Remote clock offset: -2.244 ms

Below is generated by plot.py at 2018-08-09 05:36:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 690.63 Mbit/s
95th percentile per-packet one-way delay: 36.883 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 690.63 Mbit/s
95th percentile per-packet one-way delay: 36.883 ms
Loss rate: 0.51%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-08-09 03:53:56

End at: 2018-08-09 03:54:26

Local clock offset: 1.519 ms

Remote clock offset: 1.497 ms

Below is generated by plot.py at 2018-08-09 05:36:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 709.21 Mbit/s

95th percentile per-packet one-way delay: 36.423 ms

Loss rate: 0.24%

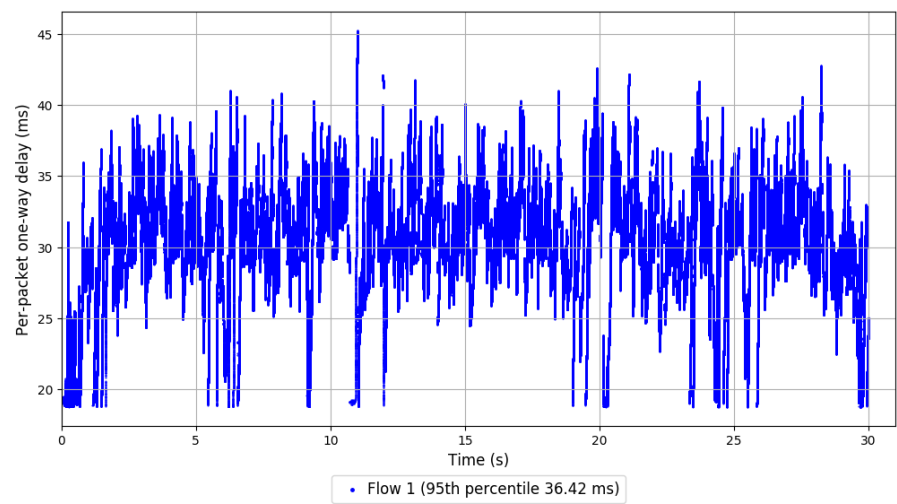
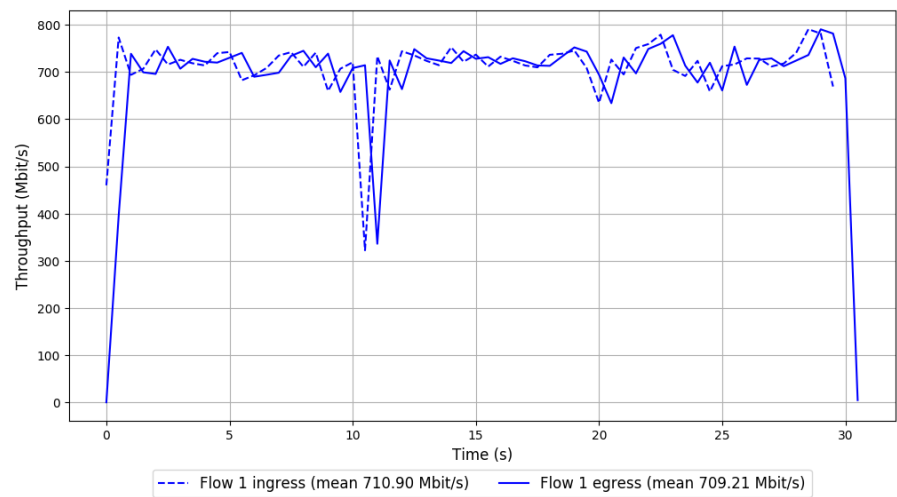
-- Flow 1:

Average throughput: 709.21 Mbit/s

95th percentile per-packet one-way delay: 36.423 ms

Loss rate: 0.24%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-08-09 04:19:36

End at: 2018-08-09 04:20:06

Local clock offset: 3.522 ms

Remote clock offset: 4.599 ms

Below is generated by plot.py at 2018-08-09 05:36:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 697.85 Mbit/s

95th percentile per-packet one-way delay: 36.196 ms

Loss rate: 0.32%

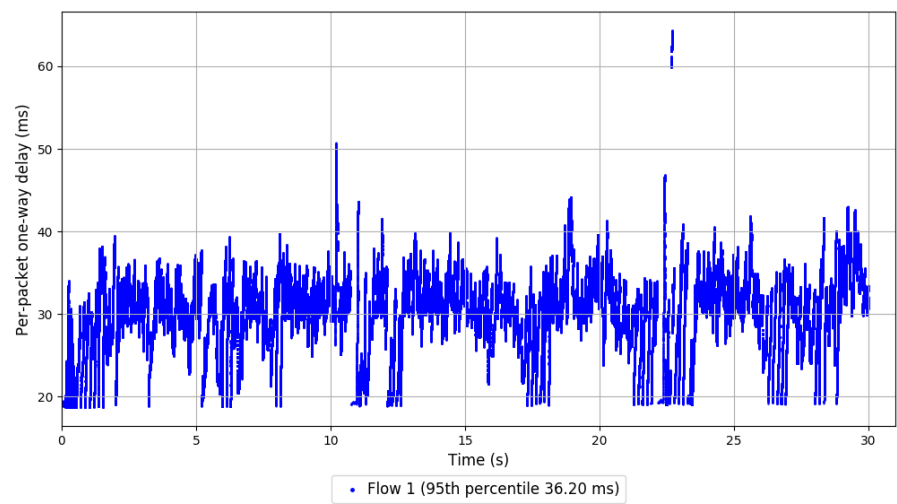
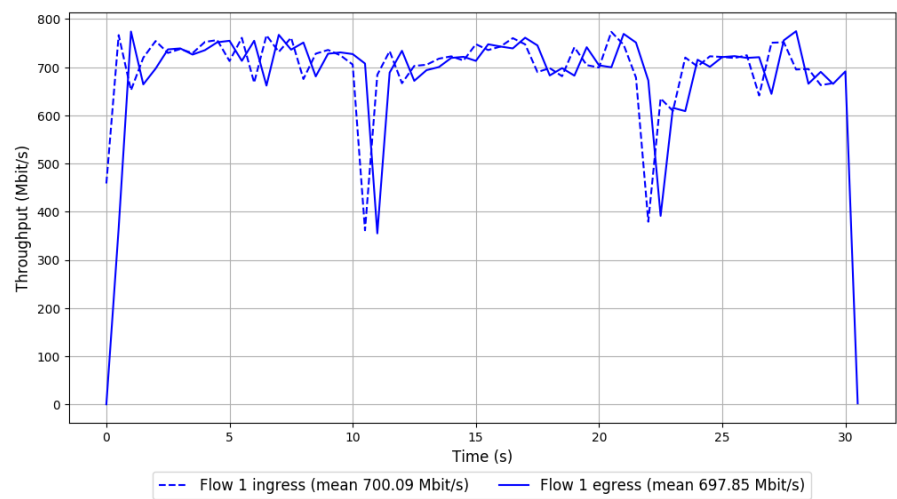
-- Flow 1:

Average throughput: 697.85 Mbit/s

95th percentile per-packet one-way delay: 36.196 ms

Loss rate: 0.32%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-08-09 04:45:14

End at: 2018-08-09 04:45:44

Local clock offset: 3.667 ms

Remote clock offset: -3.378 ms

Below is generated by plot.py at 2018-08-09 05:43:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 715.87 Mbit/s

95th percentile per-packet one-way delay: 35.131 ms

Loss rate: 0.29%

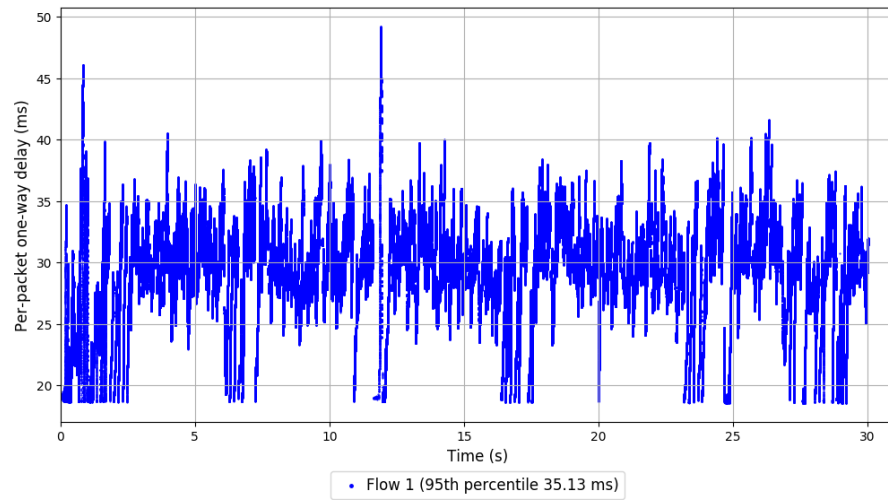
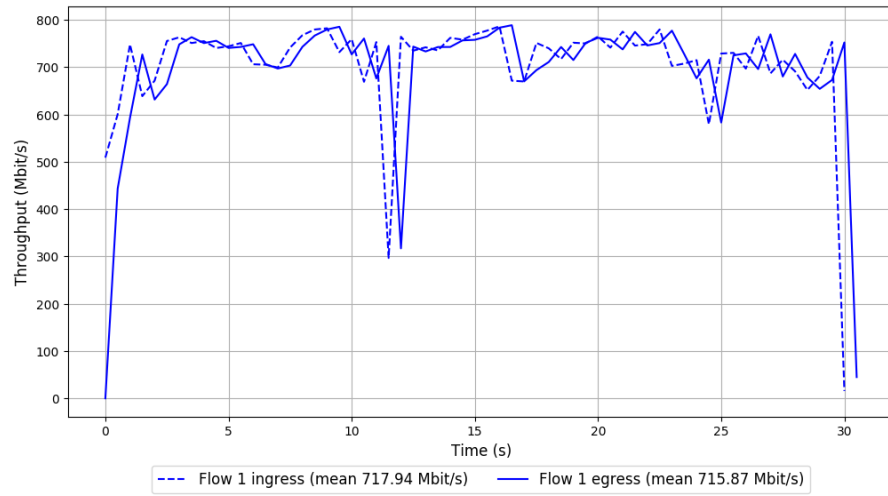
-- Flow 1:

Average throughput: 715.87 Mbit/s

95th percentile per-packet one-way delay: 35.131 ms

Loss rate: 0.29%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-08-09 05:11:07

End at: 2018-08-09 05:11:37

Local clock offset: -1.146 ms

Remote clock offset: 0.244 ms

Below is generated by plot.py at 2018-08-09 05:43:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 671.54 Mbit/s

95th percentile per-packet one-way delay: 35.831 ms

Loss rate: 0.73%

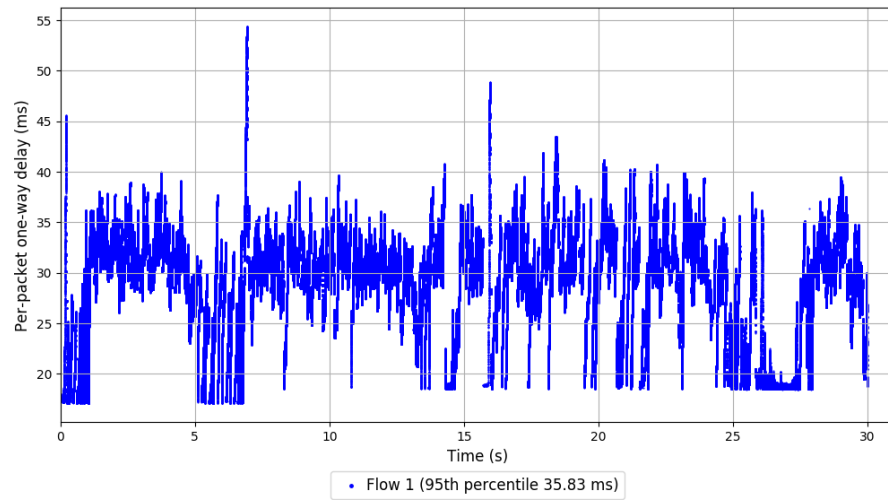
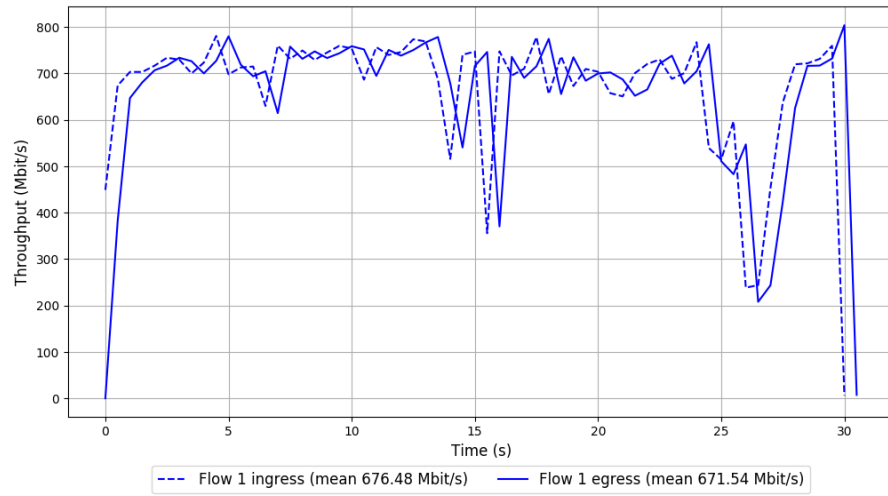
-- Flow 1:

Average throughput: 671.54 Mbit/s

95th percentile per-packet one-way delay: 35.831 ms

Loss rate: 0.73%

Run 10: Report of TCP BBR — Data Link

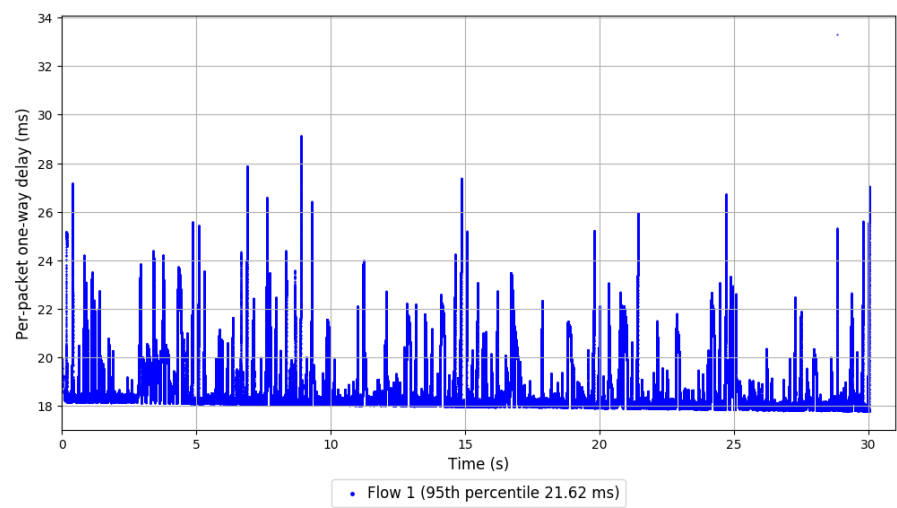
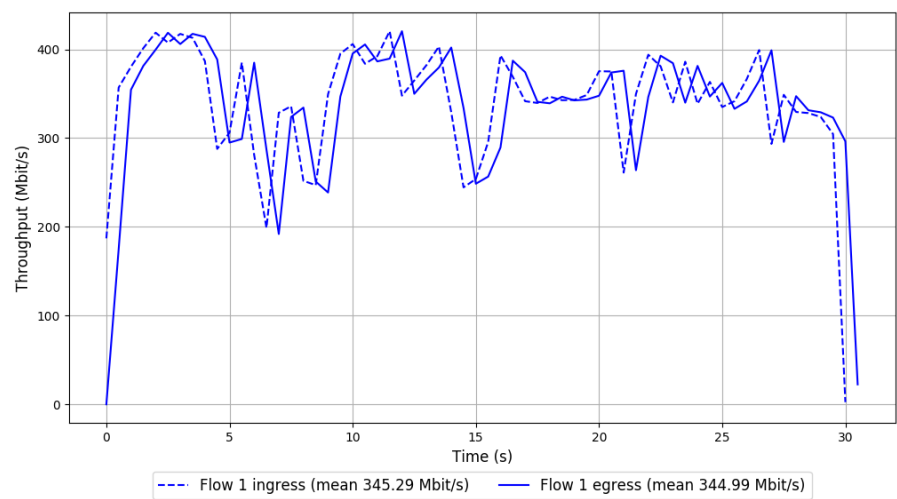


Run 1: Statistics of Copa

Start at: 2018-08-09 01:12:00
End at: 2018-08-09 01:12:30
Local clock offset: -28.046 ms
Remote clock offset: 3.353 ms

Below is generated by plot.py at 2018-08-09 05:43:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 344.99 Mbit/s
95th percentile per-packet one-way delay: 21.617 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 344.99 Mbit/s
95th percentile per-packet one-way delay: 21.617 ms
Loss rate: 0.09%

Run 1: Report of Copa — Data Link

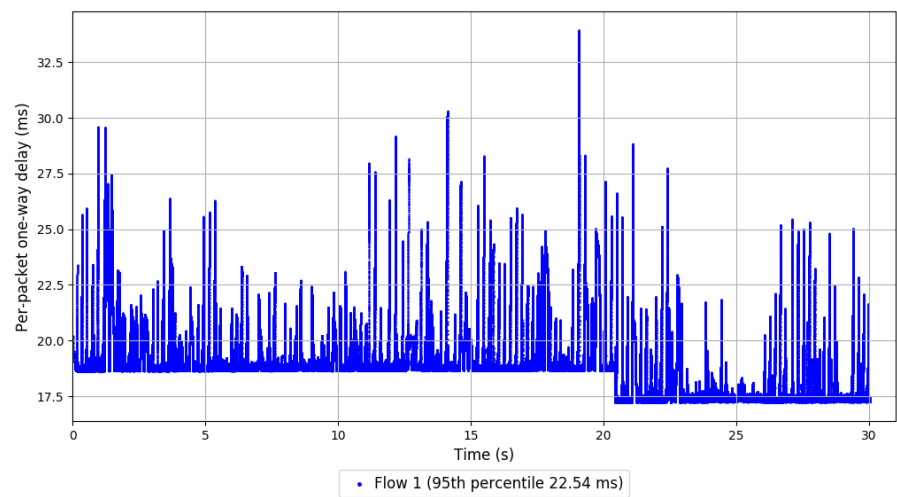
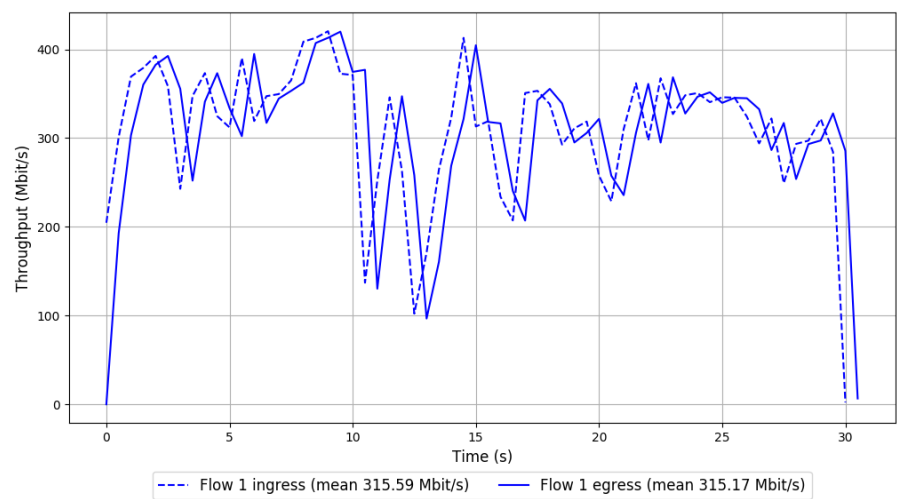


Run 2: Statistics of Copa

Start at: 2018-08-09 01:37:31
End at: 2018-08-09 01:38:01
Local clock offset: -10.034 ms
Remote clock offset: -1.184 ms

Below is generated by plot.py at 2018-08-09 05:43:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 315.17 Mbit/s
95th percentile per-packet one-way delay: 22.537 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 315.17 Mbit/s
95th percentile per-packet one-way delay: 22.537 ms
Loss rate: 0.14%

Run 2: Report of Copa — Data Link

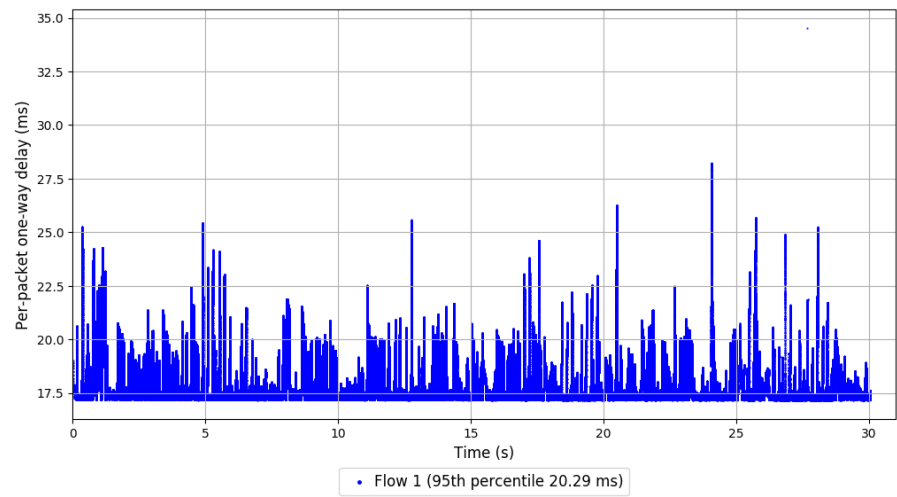
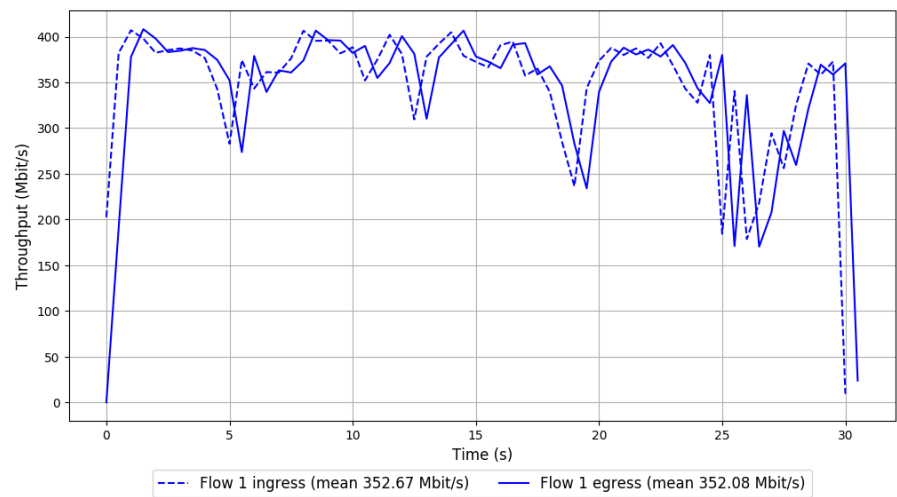


Run 3: Statistics of Copa

Start at: 2018-08-09 02:02:52
End at: 2018-08-09 02:03:22
Local clock offset: -6.545 ms
Remote clock offset: -4.765 ms

Below is generated by plot.py at 2018-08-09 05:43:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 352.08 Mbit/s
95th percentile per-packet one-way delay: 20.292 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 352.08 Mbit/s
95th percentile per-packet one-way delay: 20.292 ms
Loss rate: 0.17%

Run 3: Report of Copa — Data Link

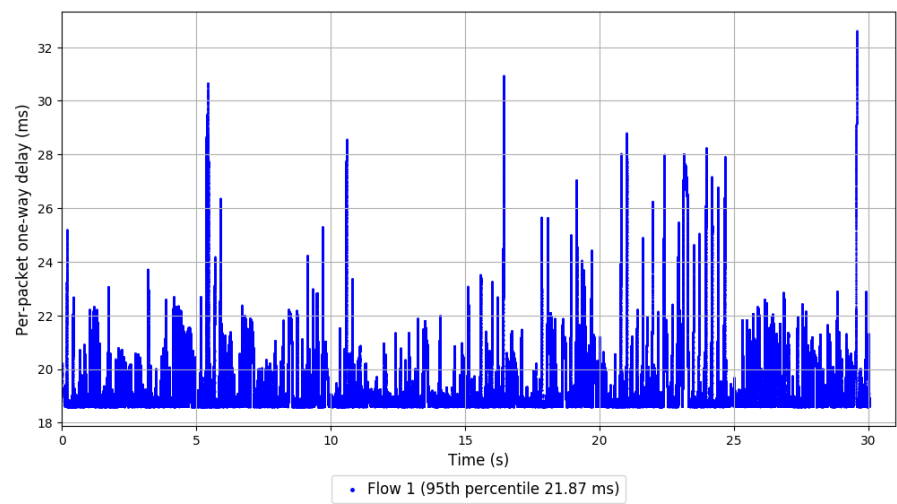
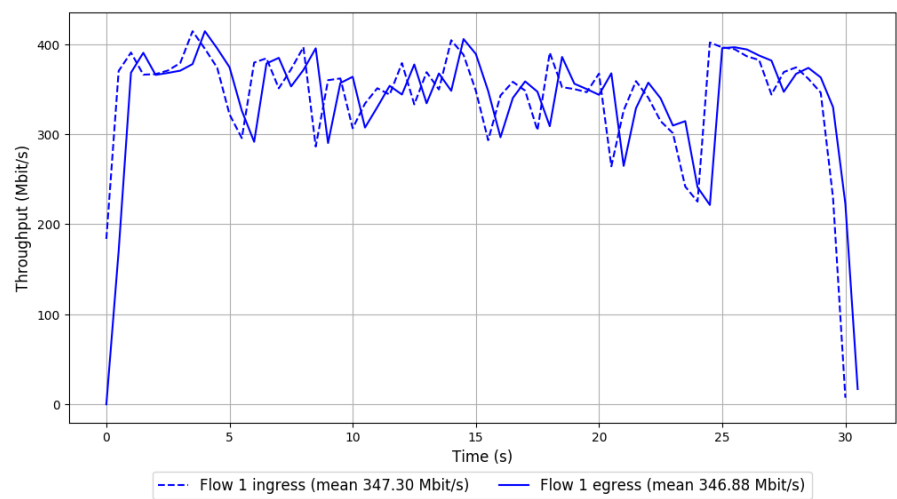


Run 4: Statistics of Copa

Start at: 2018-08-09 02:28:23
End at: 2018-08-09 02:28:53
Local clock offset: -6.603 ms
Remote clock offset: -6.441 ms

Below is generated by plot.py at 2018-08-09 05:43:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 346.88 Mbit/s
95th percentile per-packet one-way delay: 21.873 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 346.88 Mbit/s
95th percentile per-packet one-way delay: 21.873 ms
Loss rate: 0.13%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-08-09 02:53:46

End at: 2018-08-09 02:54:16

Local clock offset: -4.029 ms

Remote clock offset: 0.115 ms

Below is generated by plot.py at 2018-08-09 05:43:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 349.42 Mbit/s

95th percentile per-packet one-way delay: 22.160 ms

Loss rate: 0.09%

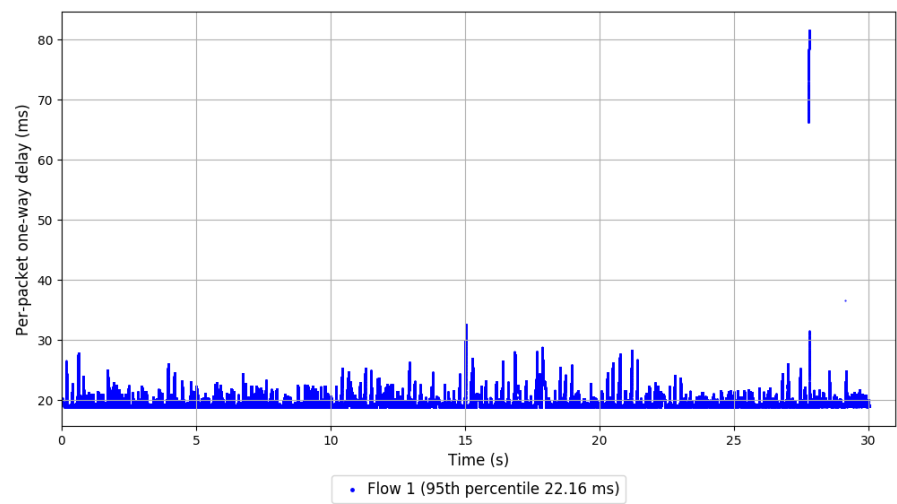
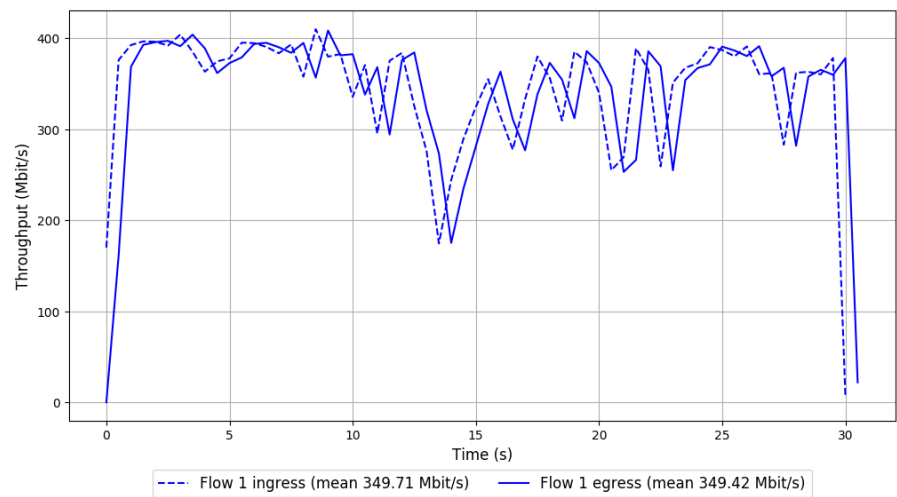
-- Flow 1:

Average throughput: 349.42 Mbit/s

95th percentile per-packet one-way delay: 22.160 ms

Loss rate: 0.09%

Run 5: Report of Copa — Data Link

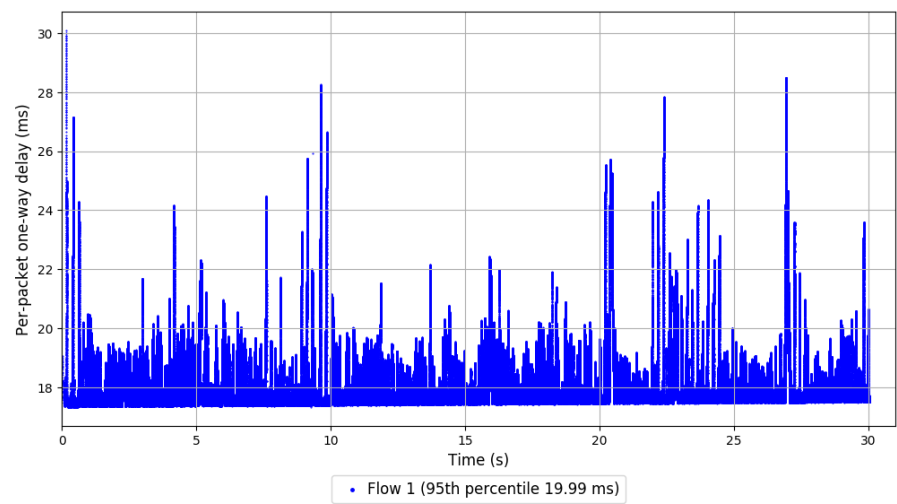
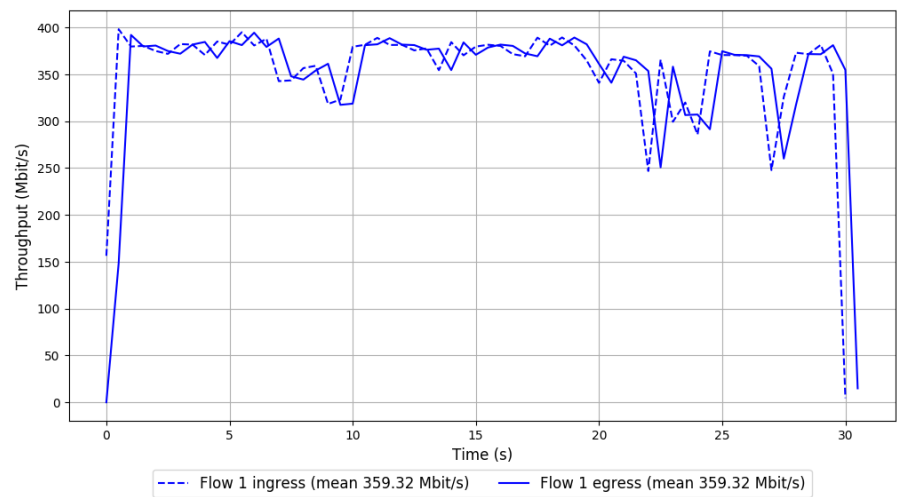


Run 6: Statistics of Copa

Start at: 2018-08-09 03:19:20
End at: 2018-08-09 03:19:50
Local clock offset: -1.623 ms
Remote clock offset: -1.121 ms

Below is generated by plot.py at 2018-08-09 05:43:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 359.32 Mbit/s
95th percentile per-packet one-way delay: 19.991 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 359.32 Mbit/s
95th percentile per-packet one-way delay: 19.991 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

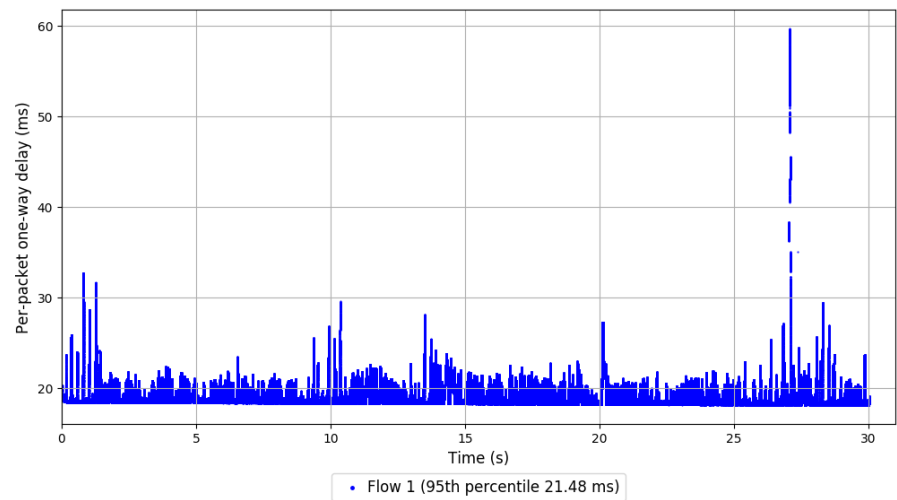
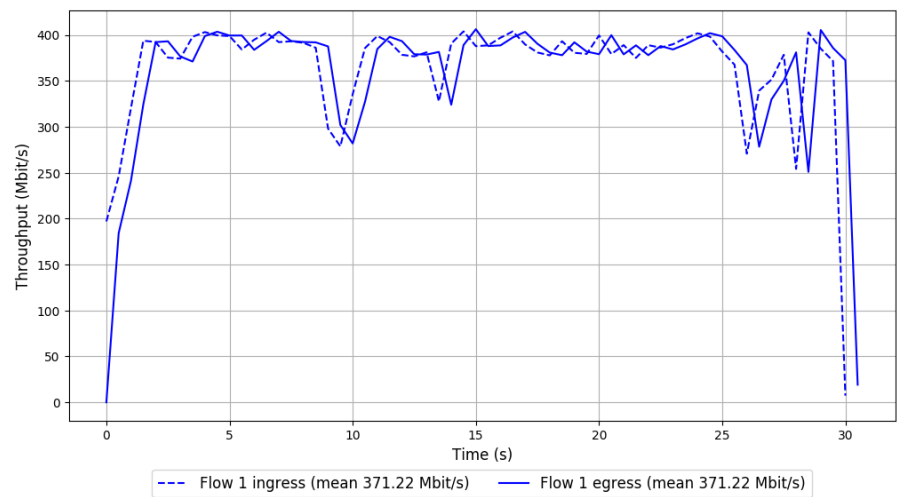


Run 7: Statistics of Copa

Start at: 2018-08-09 03:44:58
End at: 2018-08-09 03:45:28
Local clock offset: -1.204 ms
Remote clock offset: -2.64 ms

Below is generated by plot.py at 2018-08-09 05:50:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 371.22 Mbit/s
95th percentile per-packet one-way delay: 21.484 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 371.22 Mbit/s
95th percentile per-packet one-way delay: 21.484 ms
Loss rate: 0.01%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-08-09 04:10:37

End at: 2018-08-09 04:11:07

Local clock offset: 3.399 ms

Remote clock offset: 4.459 ms

Below is generated by plot.py at 2018-08-09 05:50:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 368.99 Mbit/s

95th percentile per-packet one-way delay: 21.214 ms

Loss rate: 0.01%

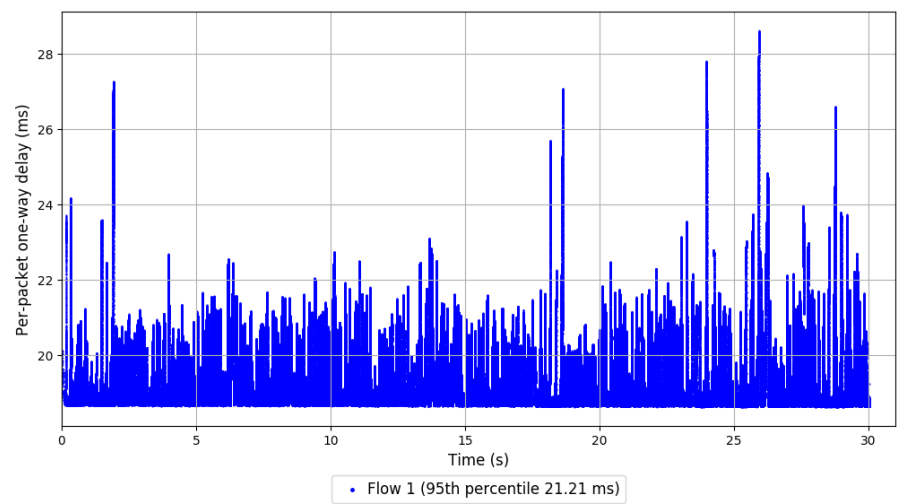
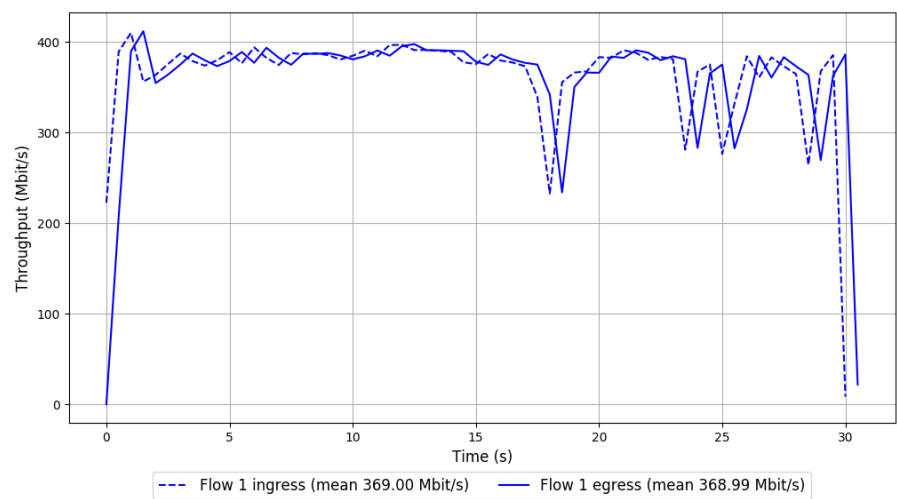
-- Flow 1:

Average throughput: 368.99 Mbit/s

95th percentile per-packet one-way delay: 21.214 ms

Loss rate: 0.01%

Run 8: Report of Copa — Data Link

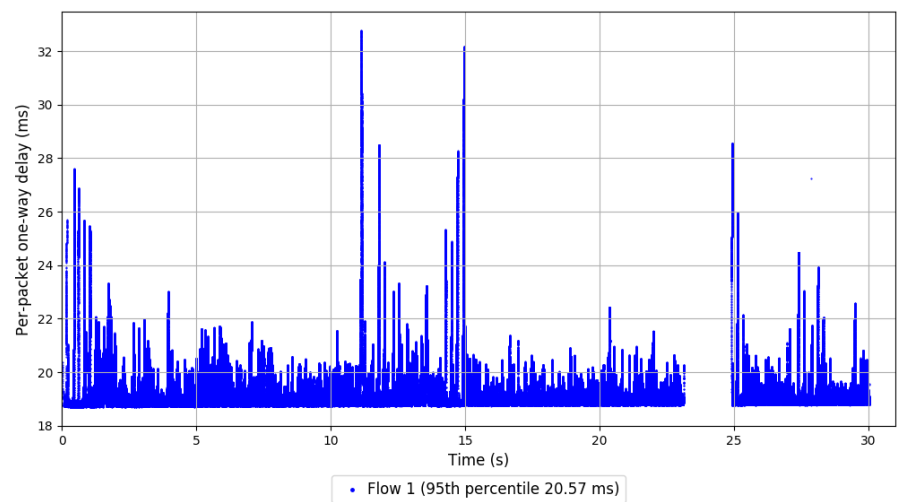
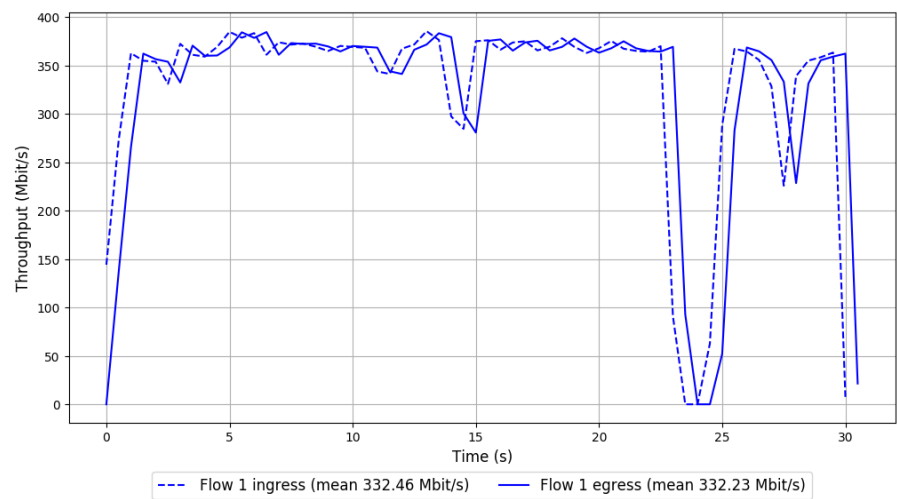


Run 9: Statistics of Copa

Start at: 2018-08-09 04:36:23
End at: 2018-08-09 04:36:53
Local clock offset: 3.472 ms
Remote clock offset: -2.342 ms

Below is generated by plot.py at 2018-08-09 05:50:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 332.23 Mbit/s
95th percentile per-packet one-way delay: 20.569 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 332.23 Mbit/s
95th percentile per-packet one-way delay: 20.569 ms
Loss rate: 0.07%

Run 9: Report of Copa — Data Link

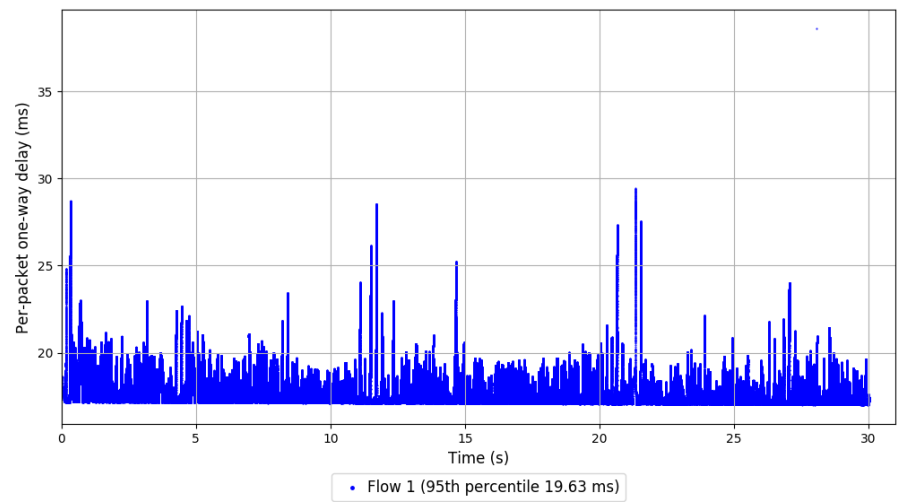
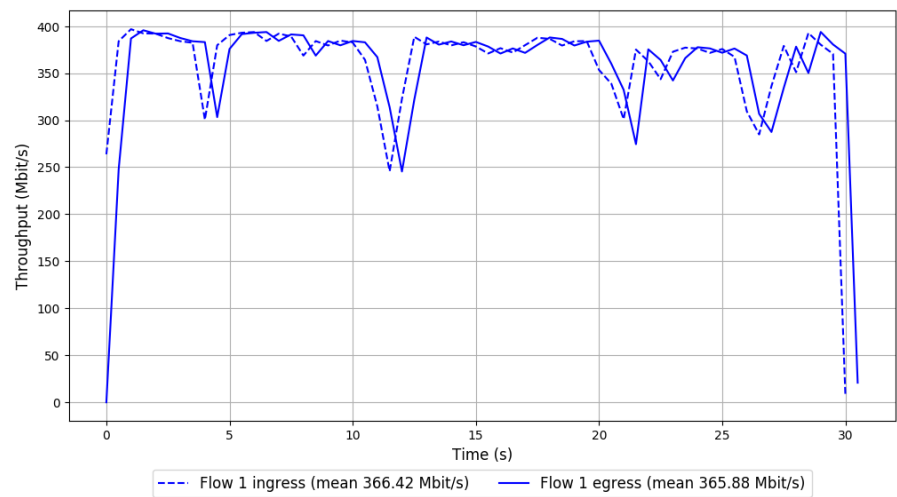


Run 10: Statistics of Copa

Start at: 2018-08-09 05:02:02
End at: 2018-08-09 05:02:32
Local clock offset: -0.378 ms
Remote clock offset: -0.956 ms

Below is generated by plot.py at 2018-08-09 05:51:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 365.88 Mbit/s
95th percentile per-packet one-way delay: 19.629 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 365.88 Mbit/s
95th percentile per-packet one-way delay: 19.629 ms
Loss rate: 0.15%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-08-09 01:19:19

End at: 2018-08-09 01:19:49

Local clock offset: -22.1 ms

Remote clock offset: 3.477 ms

Below is generated by plot.py at 2018-08-09 05:51:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 297.54 Mbit/s

95th percentile per-packet one-way delay: 25.286 ms

Loss rate: 0.18%

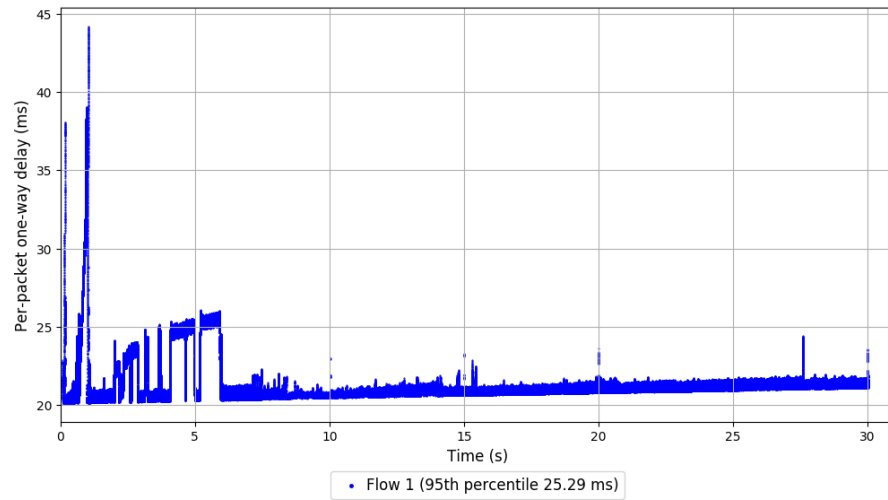
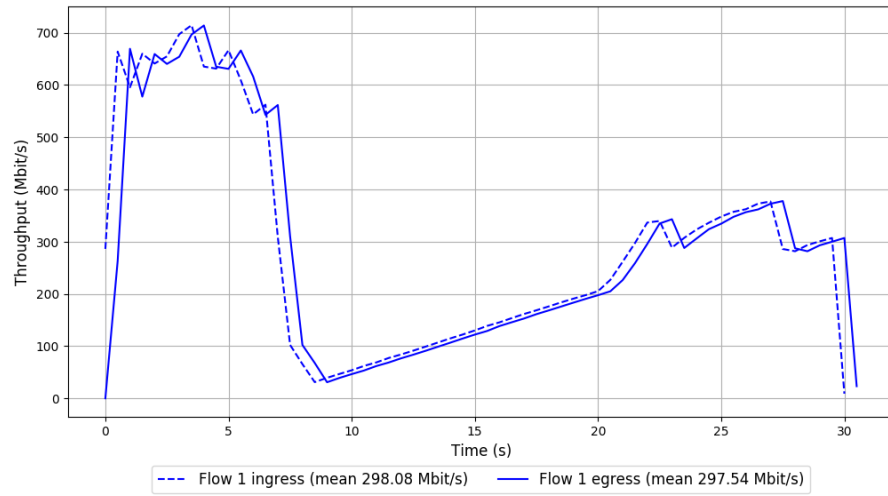
-- Flow 1:

Average throughput: 297.54 Mbit/s

95th percentile per-packet one-way delay: 25.286 ms

Loss rate: 0.18%

Run 1: Report of TCP Cubic — Data Link

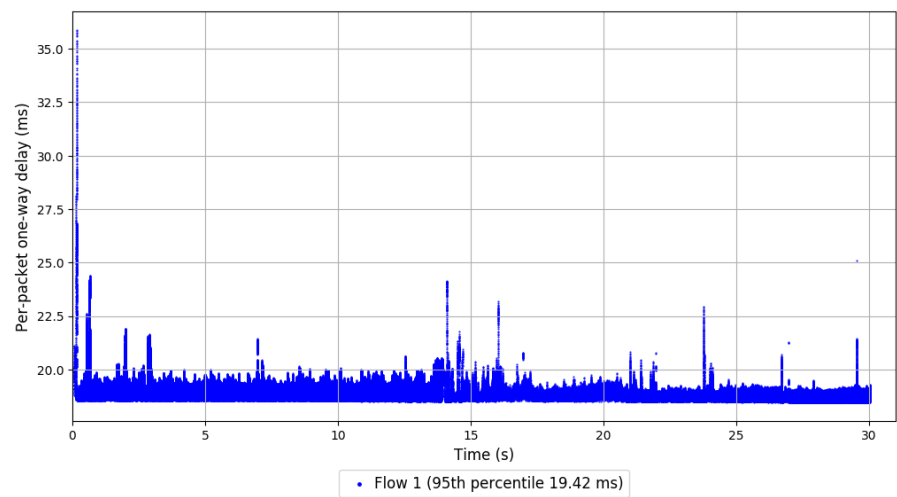
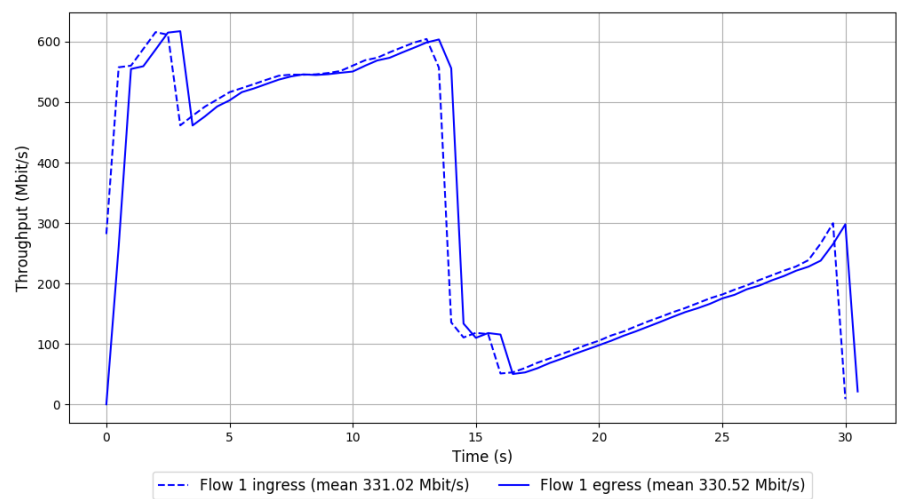


Run 2: Statistics of TCP Cubic

Start at: 2018-08-09 01:44:45
End at: 2018-08-09 01:45:15
Local clock offset: -11.883 ms
Remote clock offset: -2.763 ms

Below is generated by plot.py at 2018-08-09 05:51:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 330.52 Mbit/s
95th percentile per-packet one-way delay: 19.422 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 330.52 Mbit/s
95th percentile per-packet one-way delay: 19.422 ms
Loss rate: 0.15%

Run 2: Report of TCP Cubic — Data Link

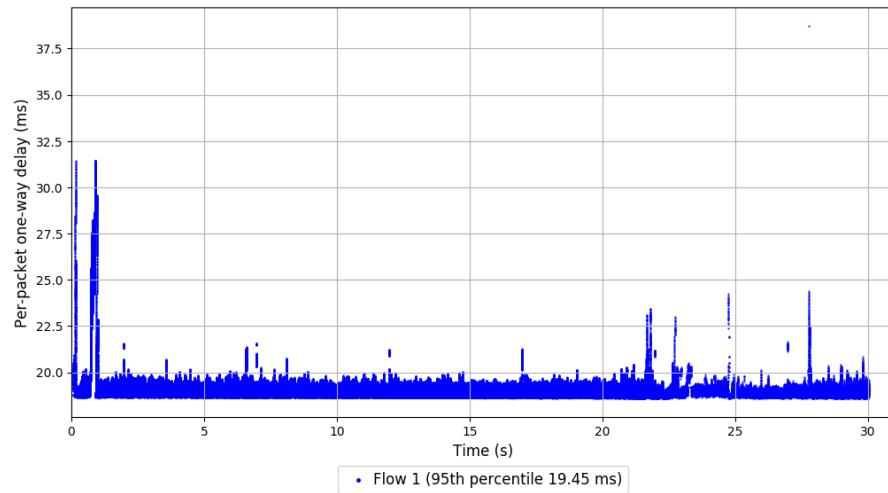
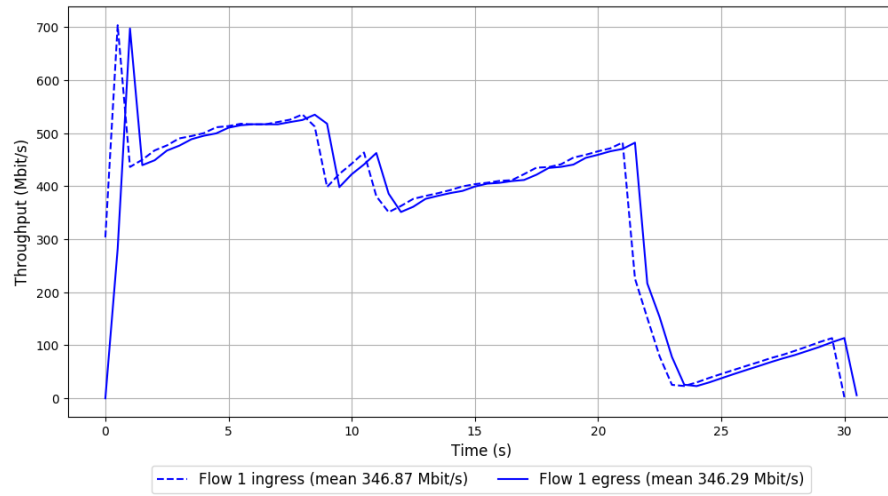


Run 3: Statistics of TCP Cubic

Start at: 2018-08-09 02:10:14
End at: 2018-08-09 02:10:44
Local clock offset: -7.799 ms
Remote clock offset: -5.233 ms

Below is generated by plot.py at 2018-08-09 05:51:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 346.29 Mbit/s
95th percentile per-packet one-way delay: 19.453 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 346.29 Mbit/s
95th percentile per-packet one-way delay: 19.453 ms
Loss rate: 0.17%

Run 3: Report of TCP Cubic — Data Link

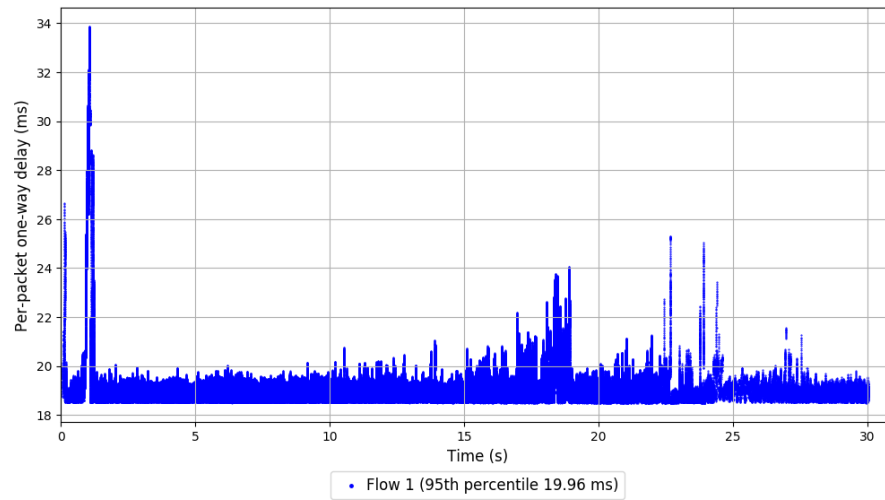
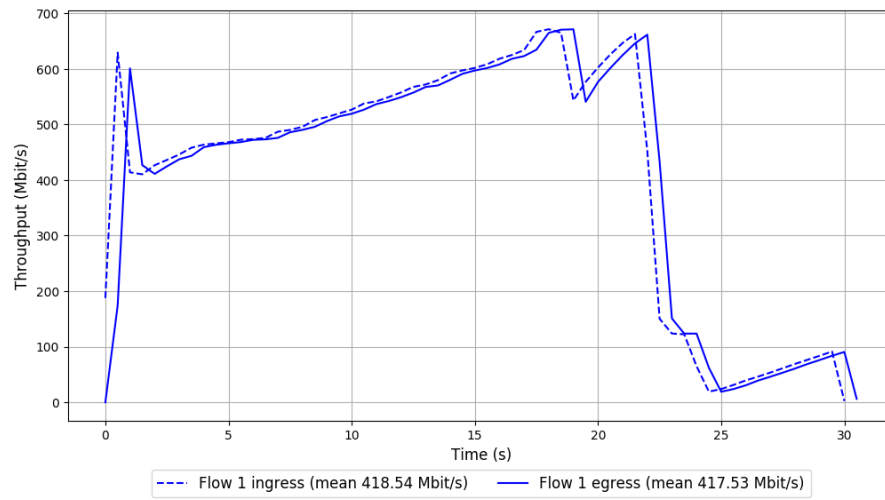


Run 4: Statistics of TCP Cubic

Start at: 2018-08-09 02:35:48
End at: 2018-08-09 02:36:18
Local clock offset: -7.253 ms
Remote clock offset: -6.905 ms

Below is generated by plot.py at 2018-08-09 05:51:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 417.53 Mbit/s
95th percentile per-packet one-way delay: 19.962 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 417.53 Mbit/s
95th percentile per-packet one-way delay: 19.962 ms
Loss rate: 0.24%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-08-09 03:01:12

End at: 2018-08-09 03:01:42

Local clock offset: -2.413 ms

Remote clock offset: 1.086 ms

Below is generated by plot.py at 2018-08-09 05:51:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 279.42 Mbit/s

95th percentile per-packet one-way delay: 20.016 ms

Loss rate: 0.21%

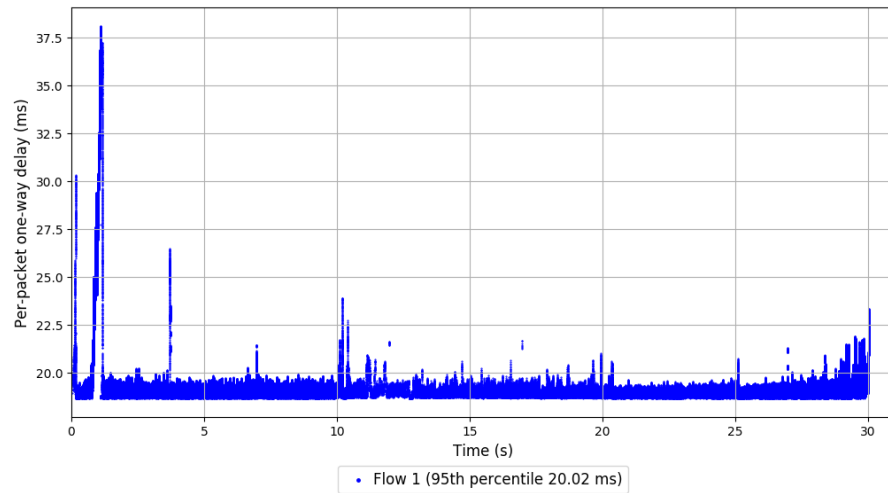
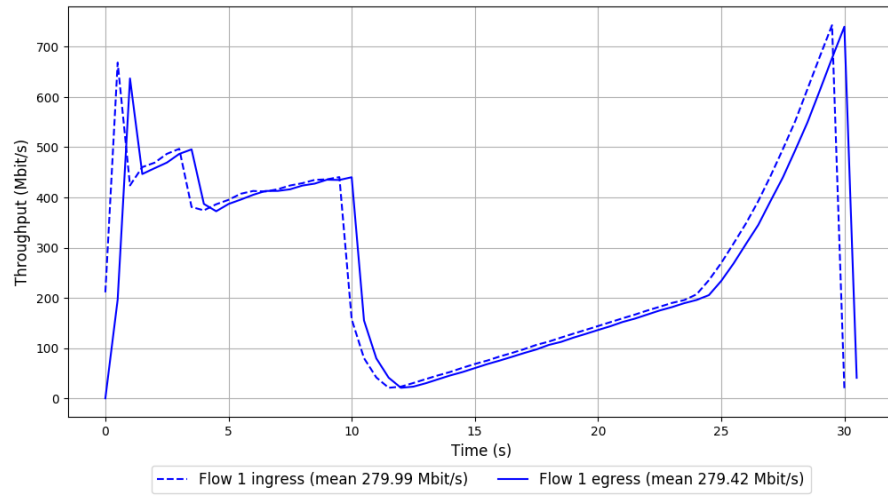
-- Flow 1:

Average throughput: 279.42 Mbit/s

95th percentile per-packet one-way delay: 20.016 ms

Loss rate: 0.21%

Run 5: Report of TCP Cubic — Data Link

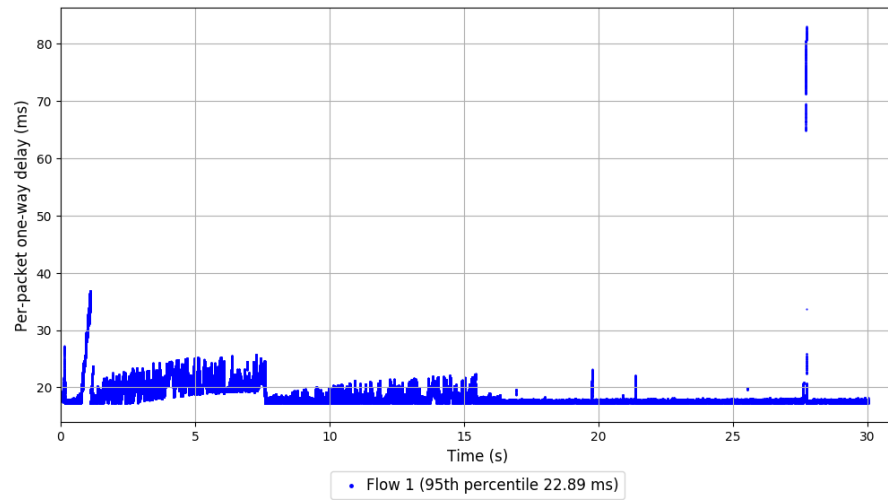
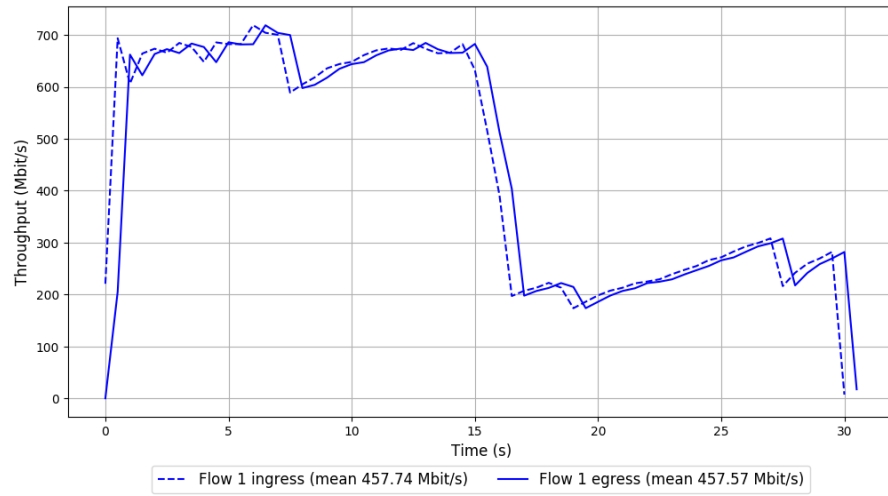


Run 6: Statistics of TCP Cubic

Start at: 2018-08-09 03:26:44
End at: 2018-08-09 03:27:14
Local clock offset: -0.962 ms
Remote clock offset: -2.166 ms

Below is generated by plot.py at 2018-08-09 05:52:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 457.57 Mbit/s
95th percentile per-packet one-way delay: 22.887 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 457.57 Mbit/s
95th percentile per-packet one-way delay: 22.887 ms
Loss rate: 0.04%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-08-09 03:52:26

End at: 2018-08-09 03:52:56

Local clock offset: 1.153 ms

Remote clock offset: 1.011 ms

Below is generated by plot.py at 2018-08-09 05:52:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 391.50 Mbit/s

95th percentile per-packet one-way delay: 18.005 ms

Loss rate: 0.06%

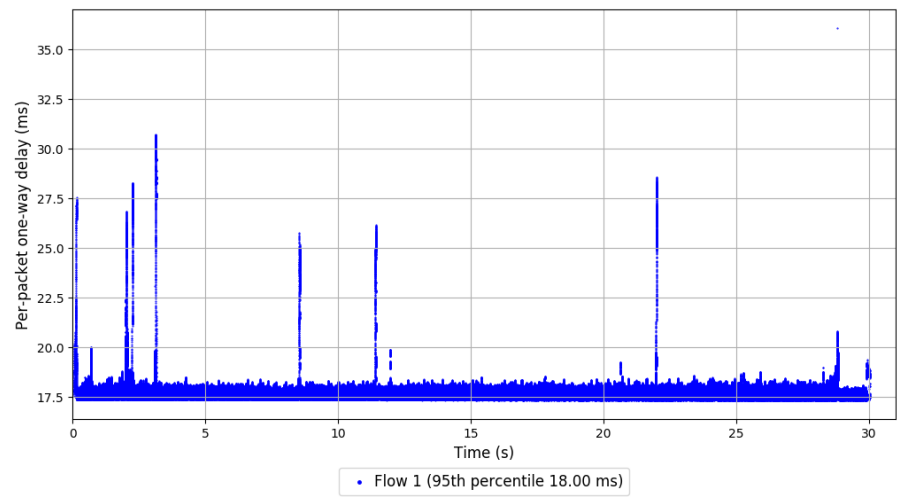
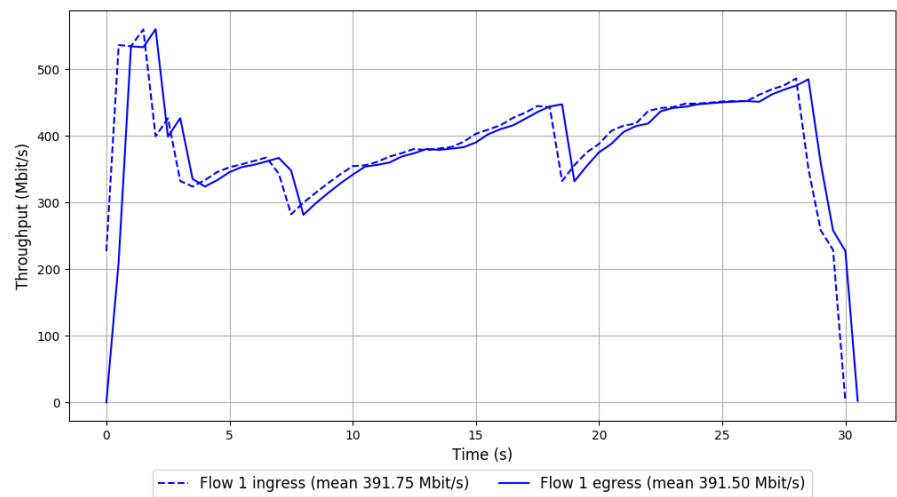
-- Flow 1:

Average throughput: 391.50 Mbit/s

95th percentile per-packet one-way delay: 18.005 ms

Loss rate: 0.06%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-08-09 04:18:04

End at: 2018-08-09 04:18:34

Local clock offset: 3.558 ms

Remote clock offset: 5.205 ms

Below is generated by plot.py at 2018-08-09 05:53:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 471.12 Mbit/s

95th percentile per-packet one-way delay: 19.812 ms

Loss rate: 0.08%

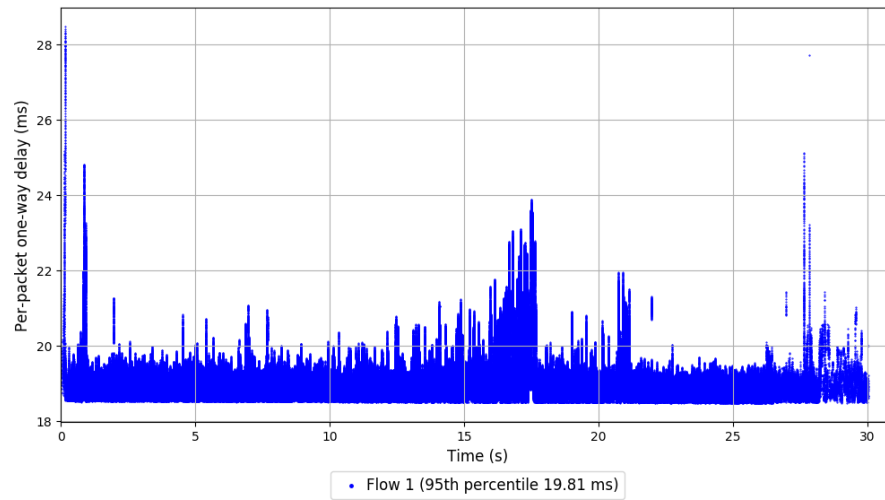
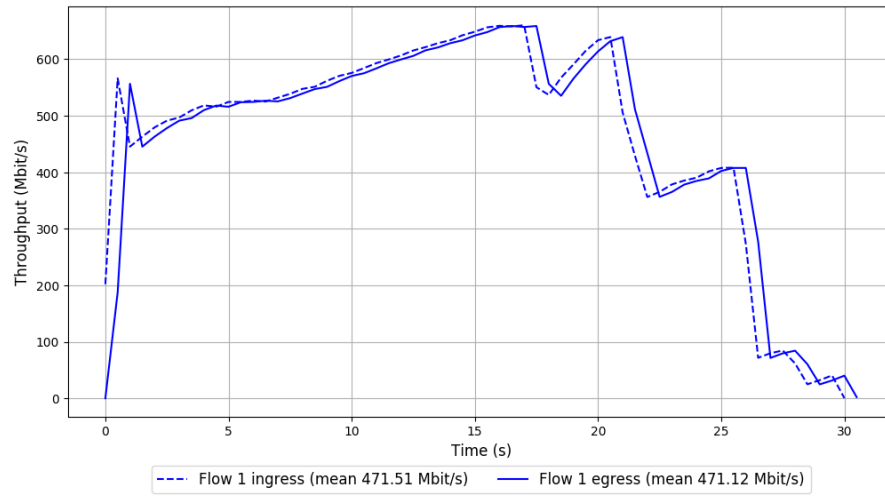
-- Flow 1:

Average throughput: 471.12 Mbit/s

95th percentile per-packet one-way delay: 19.812 ms

Loss rate: 0.08%

Run 8: Report of TCP Cubic — Data Link

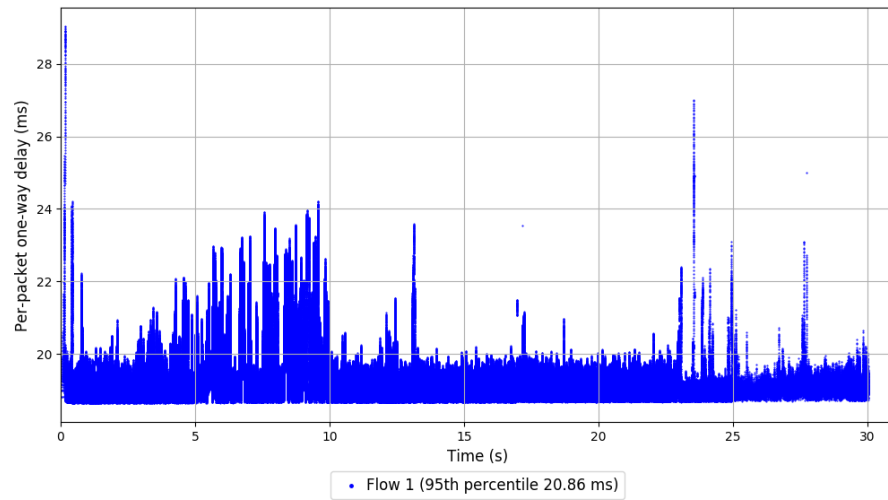
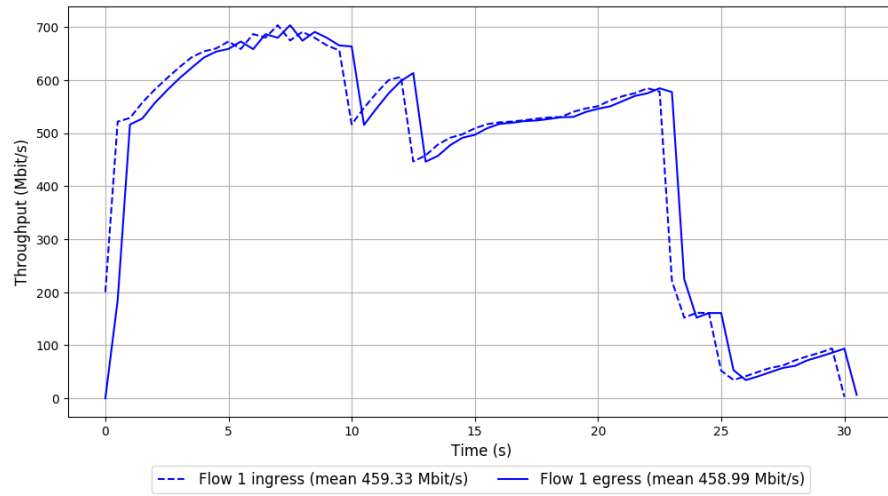


Run 9: Statistics of TCP Cubic

Start at: 2018-08-09 04:43:42
End at: 2018-08-09 04:44:12
Local clock offset: 3.625 ms
Remote clock offset: -3.239 ms

Below is generated by plot.py at 2018-08-09 05:54:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 458.99 Mbit/s
95th percentile per-packet one-way delay: 20.863 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 458.99 Mbit/s
95th percentile per-packet one-way delay: 20.863 ms
Loss rate: 0.07%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-09 05:09:40

End at: 2018-08-09 05:10:10

Local clock offset: -1.135 ms

Remote clock offset: 0.178 ms

Below is generated by plot.py at 2018-08-09 05:54:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 300.71 Mbit/s

95th percentile per-packet one-way delay: 19.824 ms

Loss rate: 0.13%

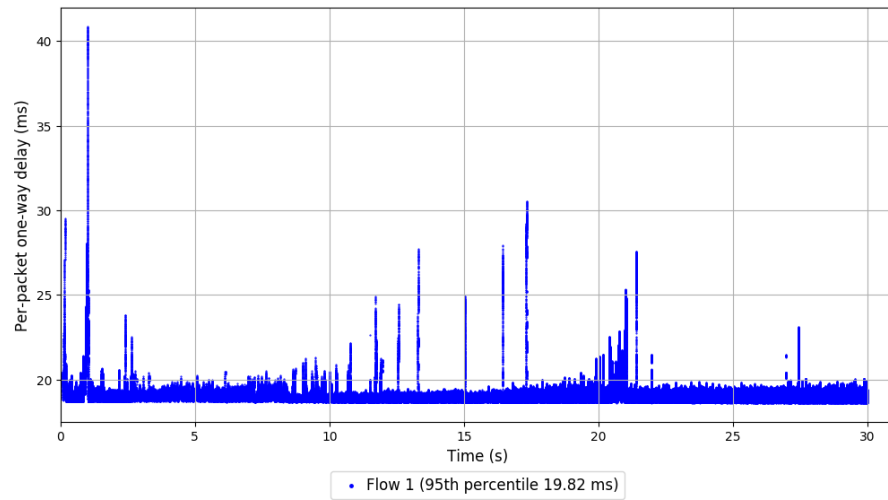
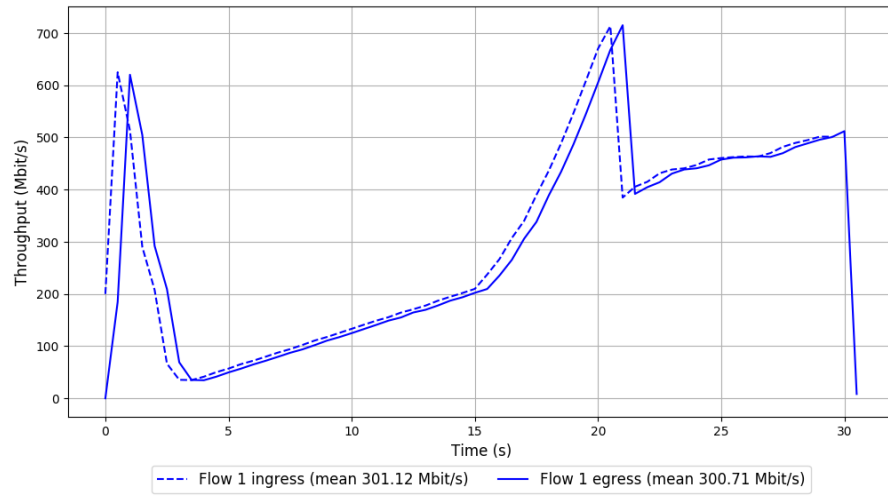
-- Flow 1:

Average throughput: 300.71 Mbit/s

95th percentile per-packet one-way delay: 19.824 ms

Loss rate: 0.13%

Run 10: Report of TCP Cubic — Data Link

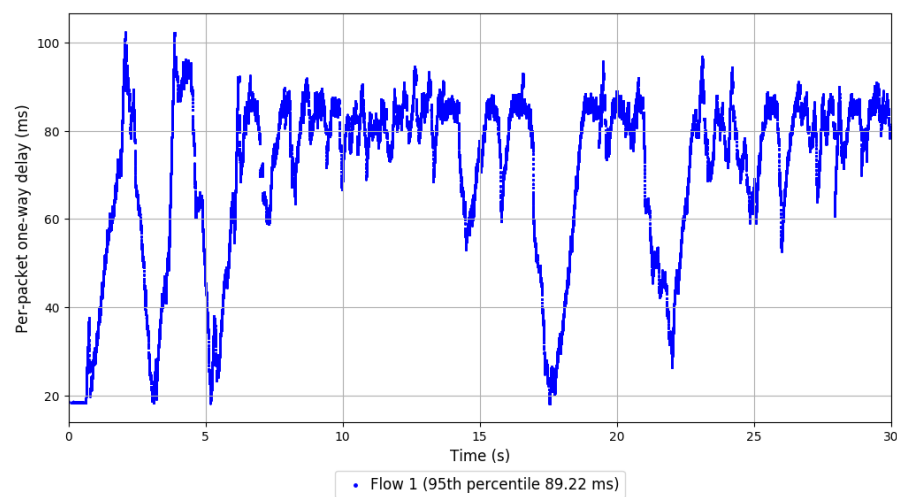
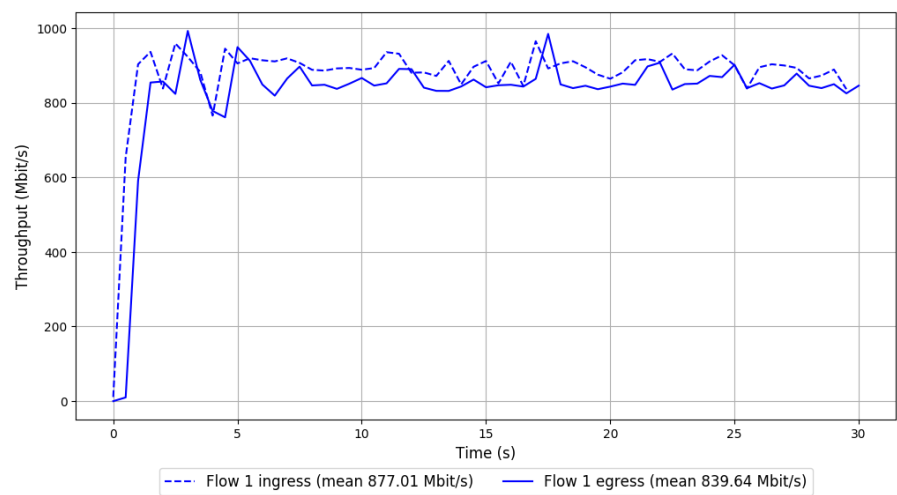


Run 1: Statistics of FillP

Start at: 2018-08-09 01:05:49
End at: 2018-08-09 01:06:19
Local clock offset: -24.351 ms
Remote clock offset: 3.356 ms

Below is generated by plot.py at 2018-08-09 06:01:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 839.64 Mbit/s
95th percentile per-packet one-way delay: 89.224 ms
Loss rate: 4.26%
-- Flow 1:
Average throughput: 839.64 Mbit/s
95th percentile per-packet one-way delay: 89.224 ms
Loss rate: 4.26%

Run 1: Report of FillP — Data Link

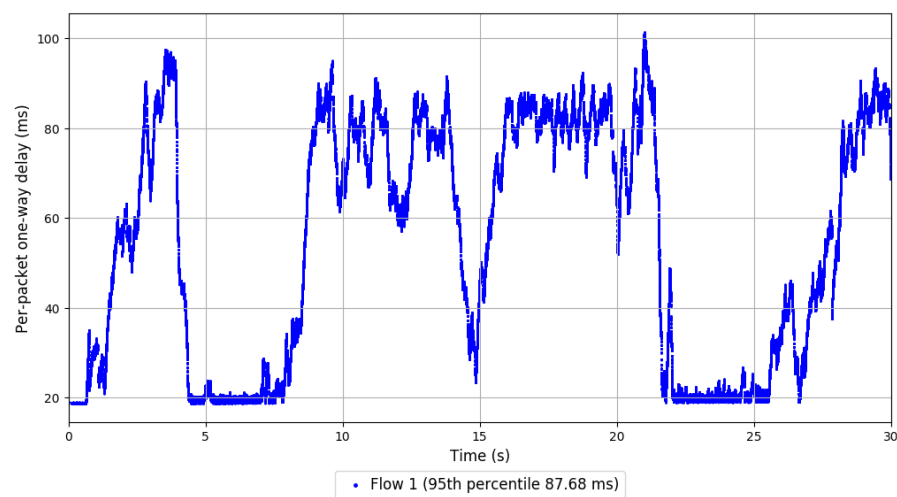
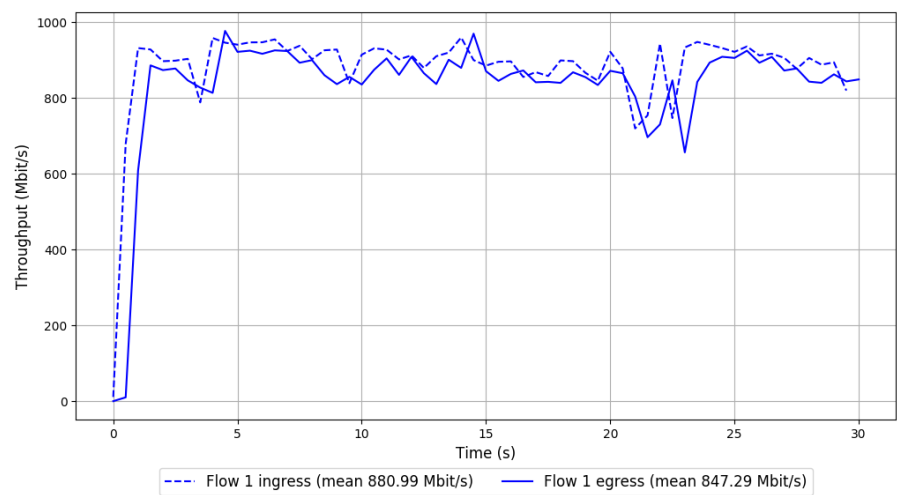


Run 2: Statistics of FillP

Start at: 2018-08-09 01:30:57
End at: 2018-08-09 01:31:27
Local clock offset: -10.024 ms
Remote clock offset: 1.647 ms

Below is generated by plot.py at 2018-08-09 06:02:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 847.29 Mbit/s
95th percentile per-packet one-way delay: 87.680 ms
Loss rate: 3.83%
-- Flow 1:
Average throughput: 847.29 Mbit/s
95th percentile per-packet one-way delay: 87.680 ms
Loss rate: 3.83%

Run 2: Report of FillP — Data Link

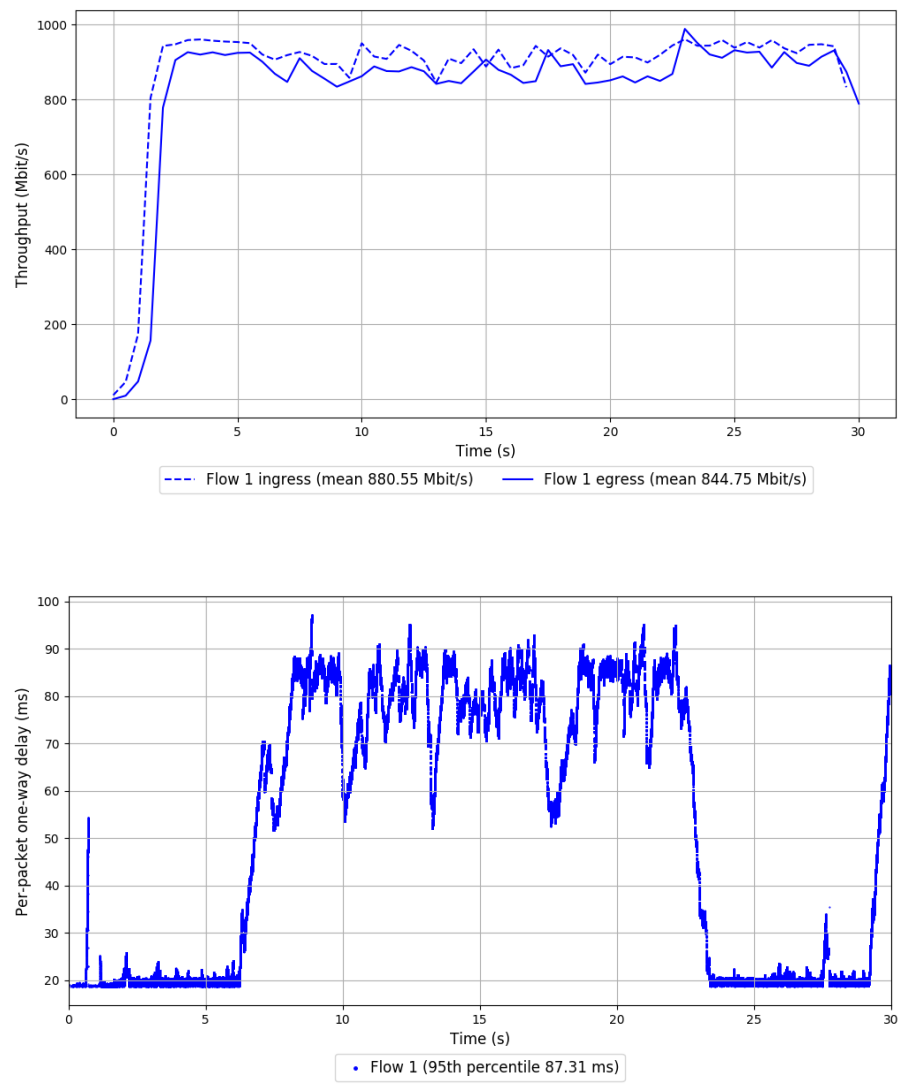


Run 3: Statistics of FillP

Start at: 2018-08-09 01:56:23
End at: 2018-08-09 01:56:53
Local clock offset: -6.579 ms
Remote clock offset: -4.345 ms

Below is generated by plot.py at 2018-08-09 06:02:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 844.75 Mbit/s
95th percentile per-packet one-way delay: 87.307 ms
Loss rate: 4.06%
-- Flow 1:
Average throughput: 844.75 Mbit/s
95th percentile per-packet one-way delay: 87.307 ms
Loss rate: 4.06%

Run 3: Report of FillP — Data Link

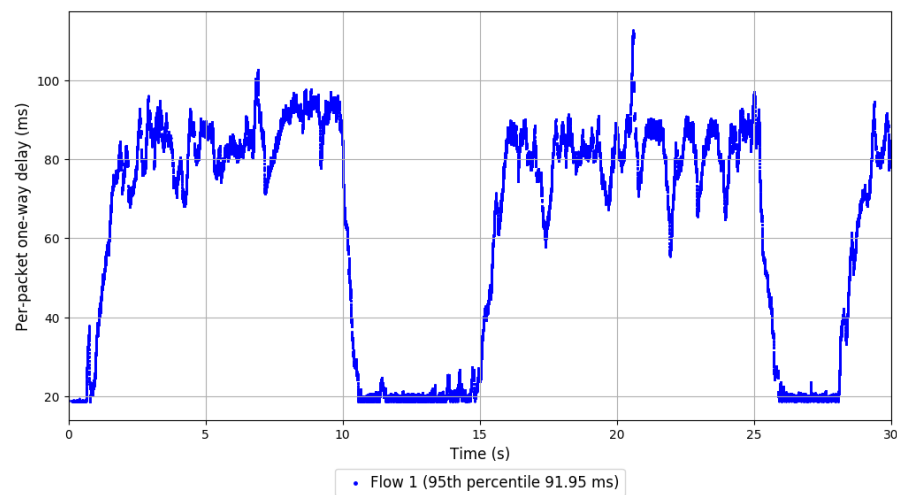
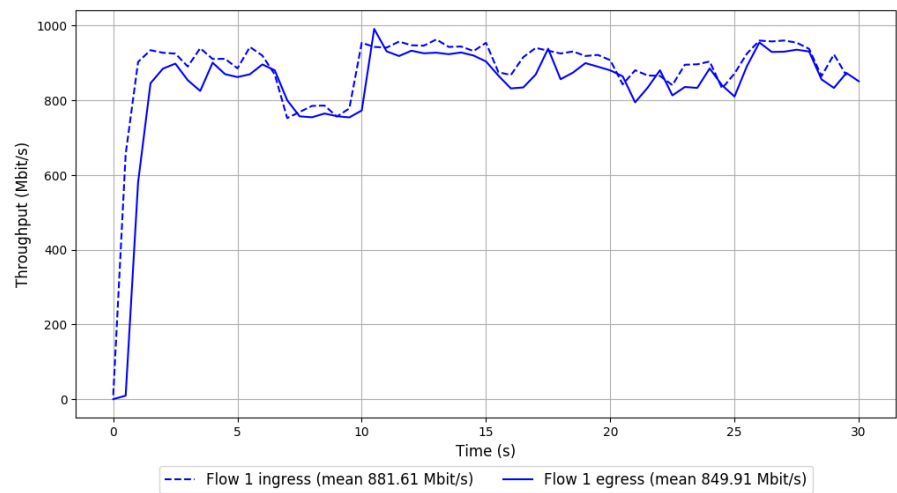


Run 4: Statistics of FillP

Start at: 2018-08-09 02:21:50
End at: 2018-08-09 02:22:20
Local clock offset: -7.09 ms
Remote clock offset: -6.141 ms

Below is generated by plot.py at 2018-08-09 06:04:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 849.91 Mbit/s
95th percentile per-packet one-way delay: 91.952 ms
Loss rate: 3.60%
-- Flow 1:
Average throughput: 849.91 Mbit/s
95th percentile per-packet one-way delay: 91.952 ms
Loss rate: 3.60%

Run 4: Report of FillP — Data Link

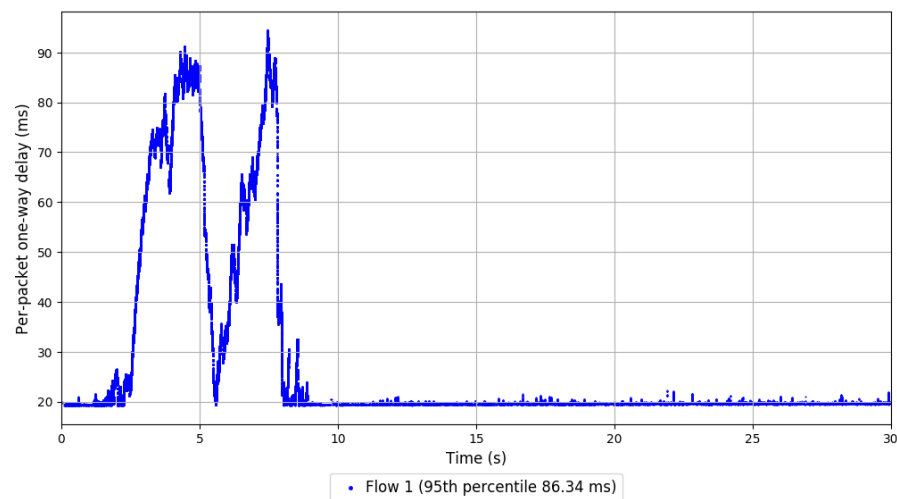
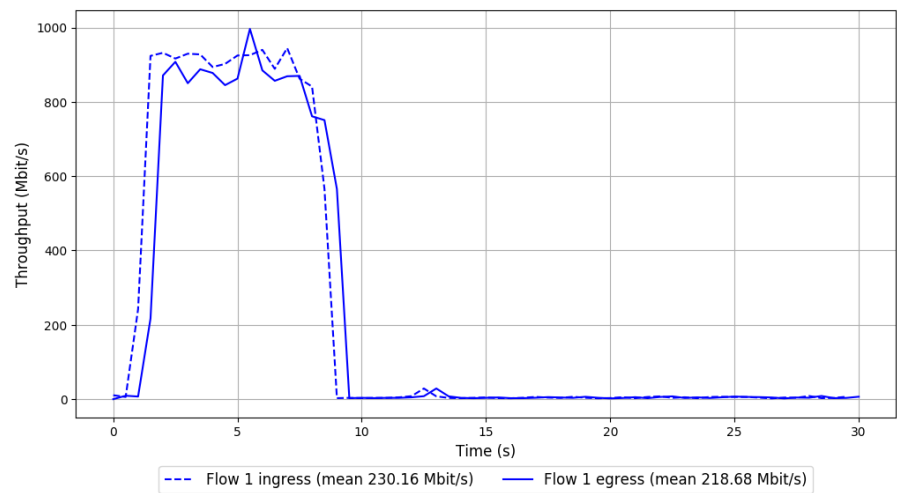


Run 5: Statistics of FillP

Start at: 2018-08-09 02:47:29
End at: 2018-08-09 02:47:59
Local clock offset: -7.836 ms
Remote clock offset: -1.329 ms

Below is generated by plot.py at 2018-08-09 06:04:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 218.68 Mbit/s
95th percentile per-packet one-way delay: 86.340 ms
Loss rate: 4.99%
-- Flow 1:
Average throughput: 218.68 Mbit/s
95th percentile per-packet one-way delay: 86.340 ms
Loss rate: 4.99%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-08-09 03:12:48

End at: 2018-08-09 03:13:18

Local clock offset: -2.186 ms

Remote clock offset: 0.78 ms

Below is generated by plot.py at 2018-08-09 06:05:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 823.36 Mbit/s

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

Loss rate: 5.39%

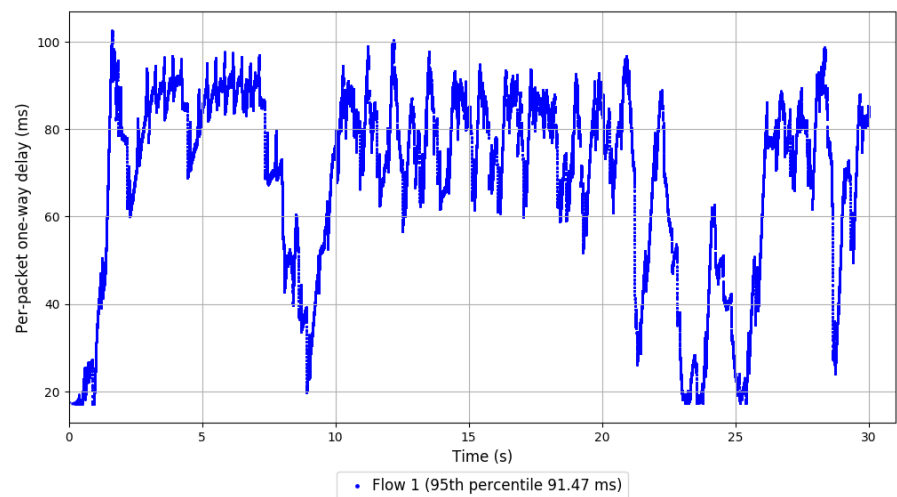
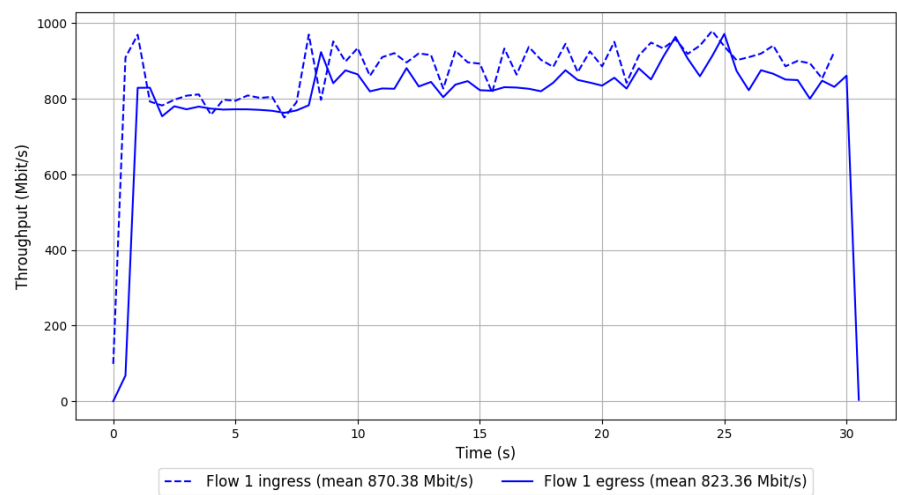
-- Flow 1:

Average throughput: 823.36 Mbit/s

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

Loss rate: 5.39%

Run 6: Report of FillP — Data Link

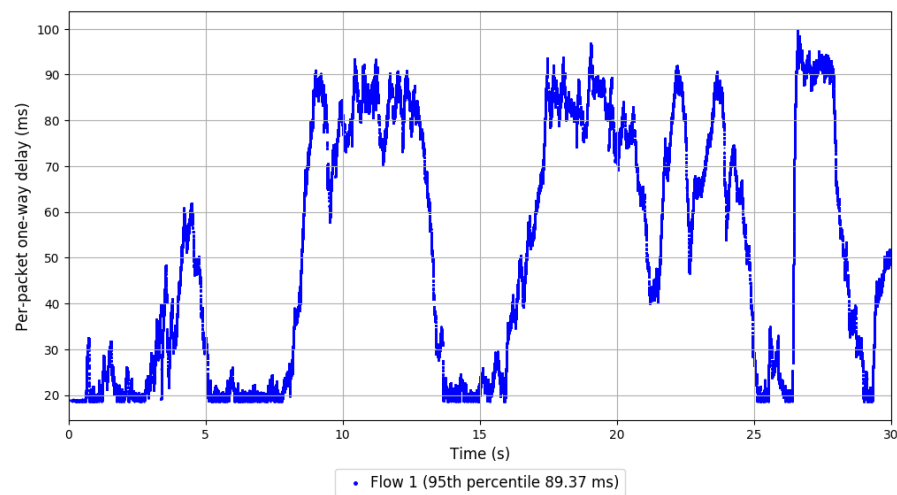
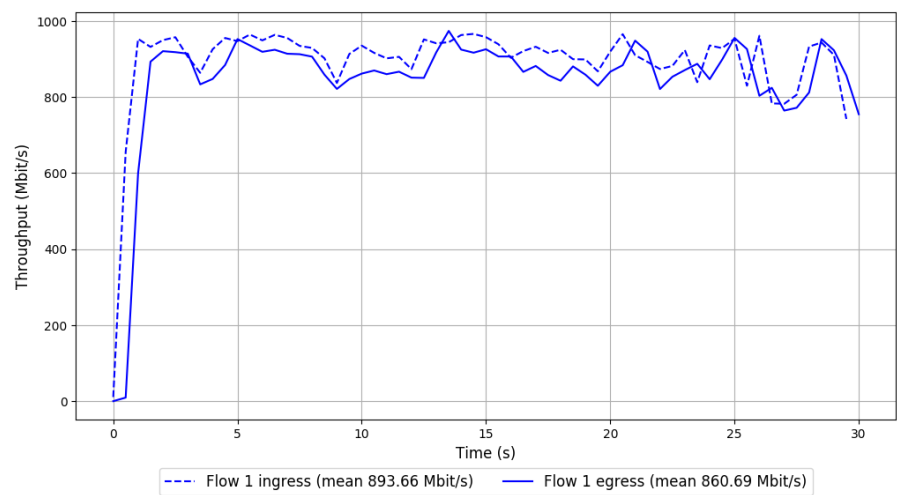


Run 7: Statistics of FillP

Start at: 2018-08-09 03:38:23
End at: 2018-08-09 03:38:53
Local clock offset: -0.925 ms
Remote clock offset: -2.613 ms

Below is generated by plot.py at 2018-08-09 06:05:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 860.69 Mbit/s
95th percentile per-packet one-way delay: 89.367 ms
Loss rate: 3.69%
-- Flow 1:
Average throughput: 860.69 Mbit/s
95th percentile per-packet one-way delay: 89.367 ms
Loss rate: 3.69%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-08-09 04:04:06

End at: 2018-08-09 04:04:36

Local clock offset: 3.04 ms

Remote clock offset: 3.651 ms

Below is generated by plot.py at 2018-08-09 06:06:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 846.79 Mbit/s

95th percentile per-packet one-way delay: 89.209 ms

Loss rate: 5.44%

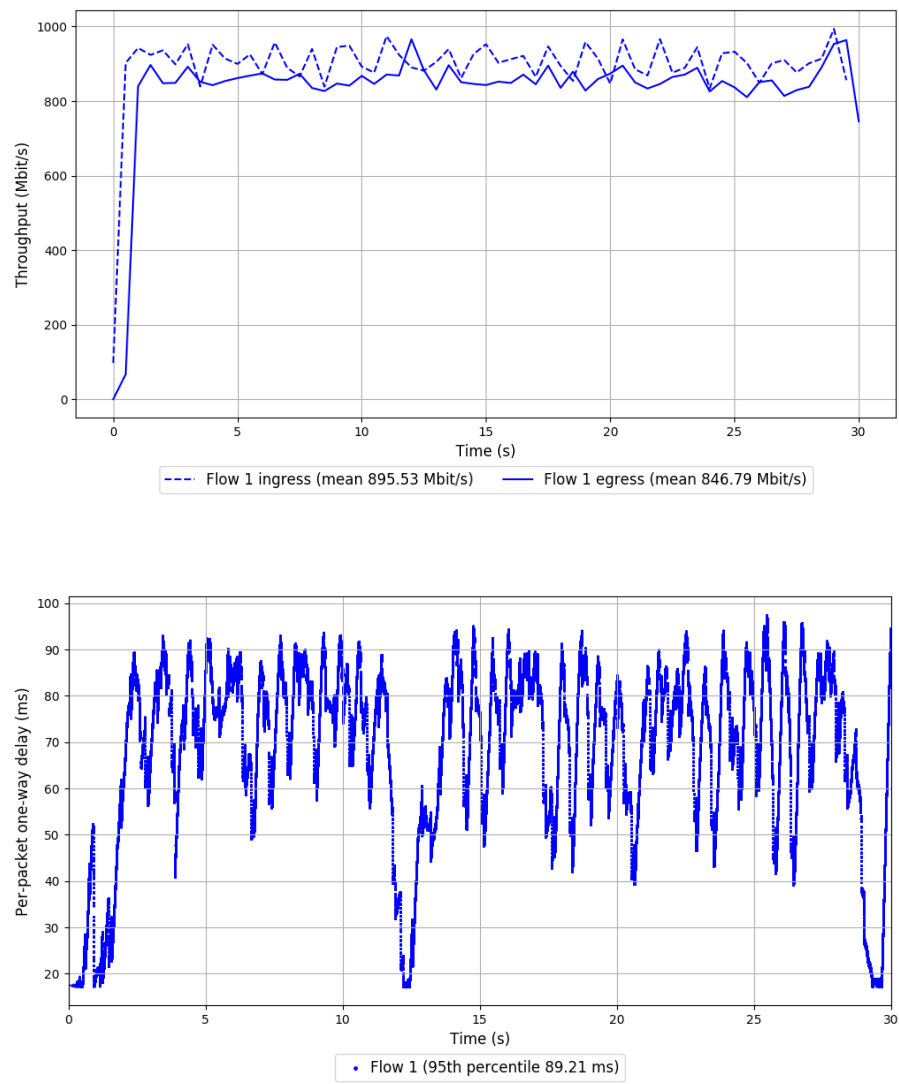
-- Flow 1:

Average throughput: 846.79 Mbit/s

95th percentile per-packet one-way delay: 89.209 ms

Loss rate: 5.44%

Run 8: Report of FillP — Data Link

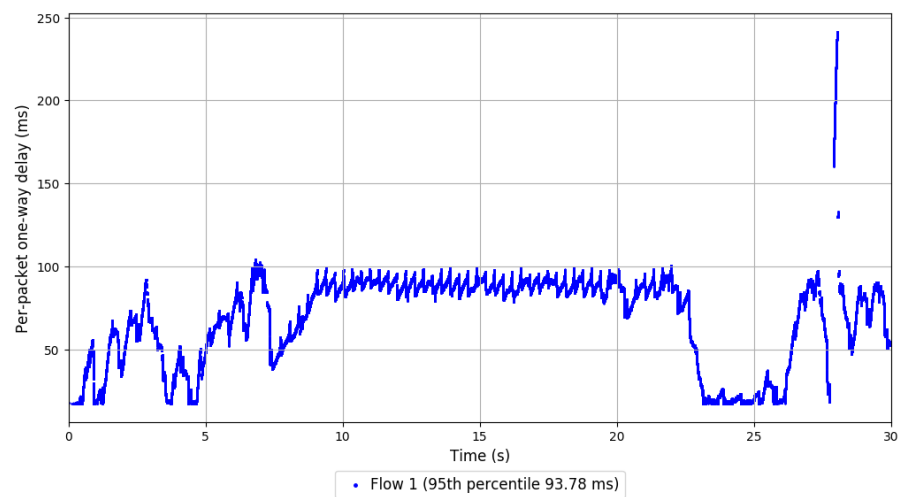
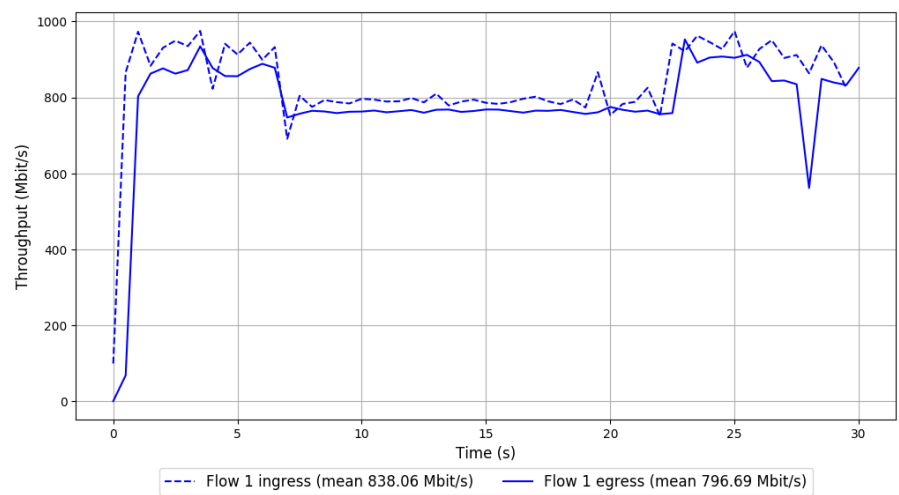


Run 9: Statistics of FillP

Start at: 2018-08-09 04:29:50
End at: 2018-08-09 04:30:20
Local clock offset: 3.386 ms
Remote clock offset: -0.896 ms

Below is generated by plot.py at 2018-08-09 06:06:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 796.69 Mbit/s
95th percentile per-packet one-way delay: 93.776 ms
Loss rate: 4.93%
-- Flow 1:
Average throughput: 796.69 Mbit/s
95th percentile per-packet one-way delay: 93.776 ms
Loss rate: 4.93%

Run 9: Report of FillP — Data Link

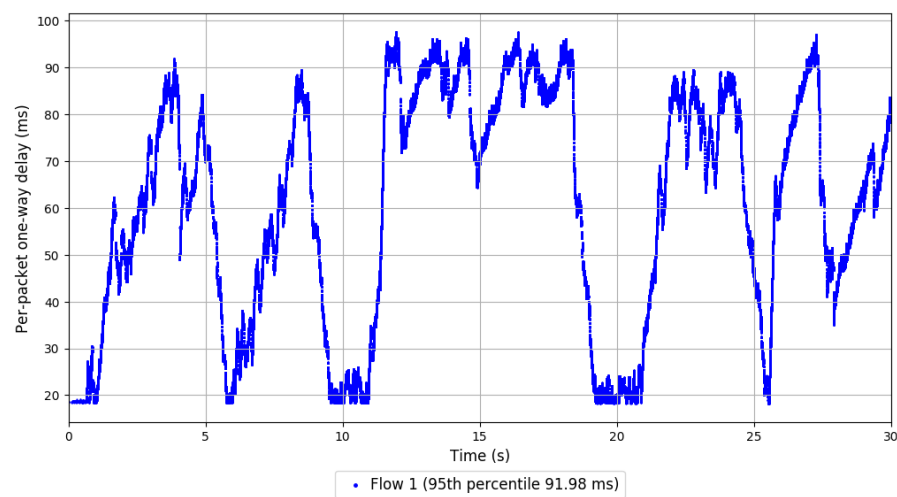
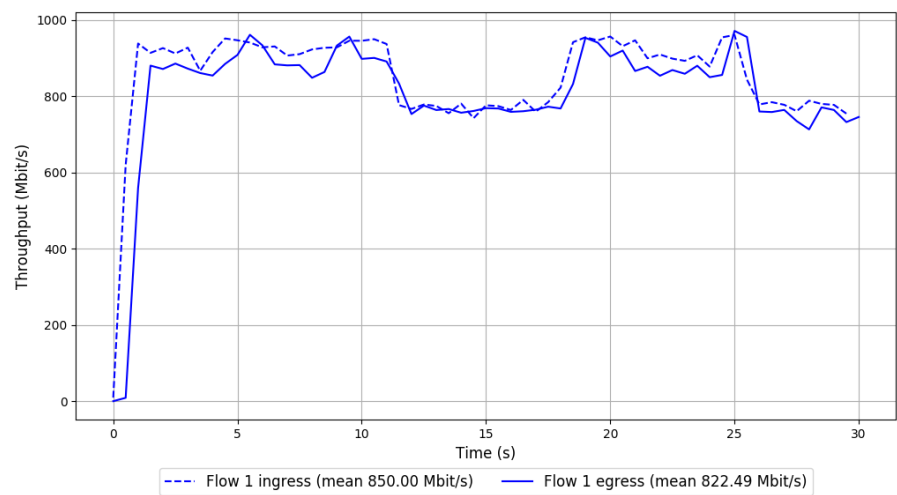


Run 10: Statistics of FillP

Start at: 2018-08-09 04:55:32
End at: 2018-08-09 04:56:02
Local clock offset: 0.627 ms
Remote clock offset: -2.754 ms

Below is generated by plot.py at 2018-08-09 06:13:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 822.49 Mbit/s
95th percentile per-packet one-way delay: 91.979 ms
Loss rate: 3.24%
-- Flow 1:
Average throughput: 822.49 Mbit/s
95th percentile per-packet one-way delay: 91.979 ms
Loss rate: 3.24%

Run 10: Report of FillP — Data Link

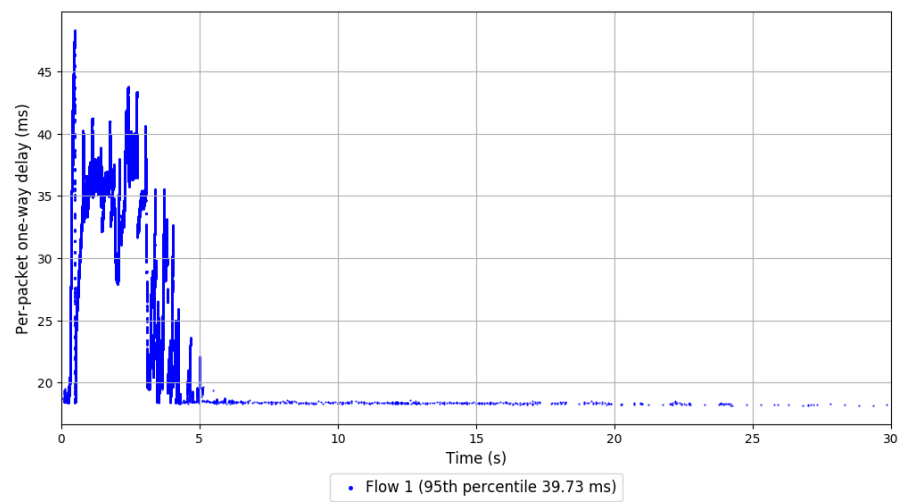
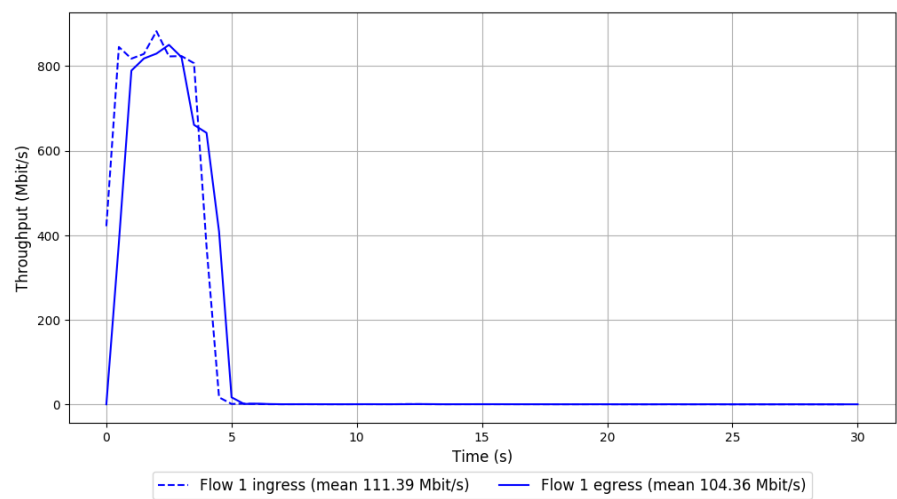


Run 1: Statistics of FillP-Sheep

Start at: 2018-08-09 01:07:29
End at: 2018-08-09 01:07:59
Local clock offset: -25.232 ms
Remote clock offset: 3.442 ms

Below is generated by plot.py at 2018-08-09 06:13:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 104.36 Mbit/s
95th percentile per-packet one-way delay: 39.726 ms
Loss rate: 6.32%
-- Flow 1:
Average throughput: 104.36 Mbit/s
95th percentile per-packet one-way delay: 39.726 ms
Loss rate: 6.32%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-08-09 01:32:37

End at: 2018-08-09 01:33:07

Local clock offset: -9.751 ms

Remote clock offset: 0.809 ms

Below is generated by plot.py at 2018-08-09 06:14:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 852.20 Mbit/s

95th percentile per-packet one-way delay: 49.631 ms

Loss rate: 5.53%

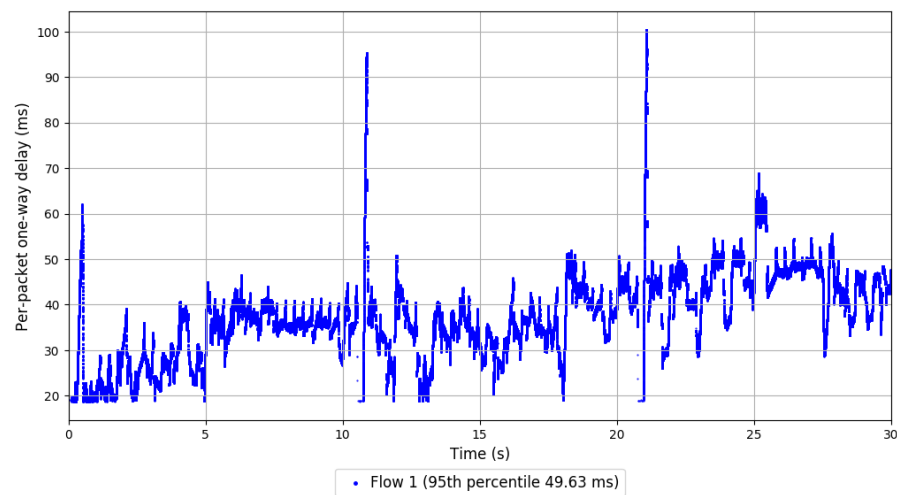
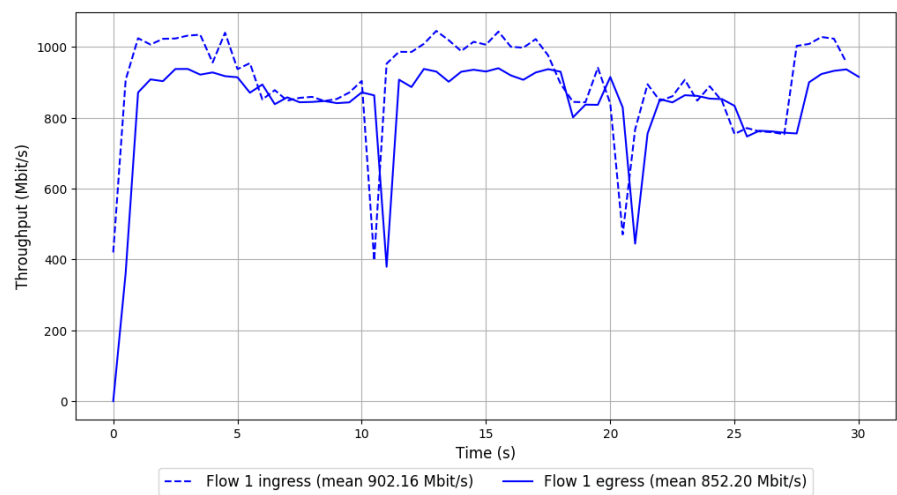
-- Flow 1:

Average throughput: 852.20 Mbit/s

95th percentile per-packet one-way delay: 49.631 ms

Loss rate: 5.53%

Run 2: Report of FillP-Sheep — Data Link

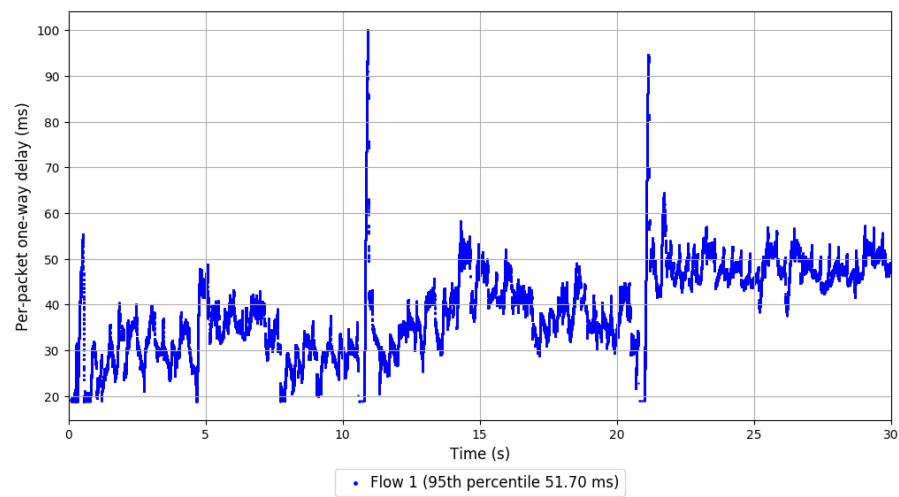
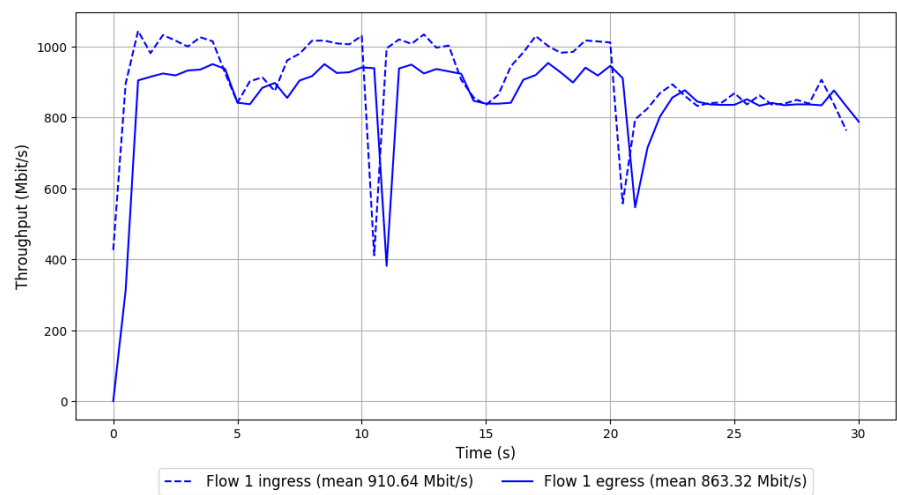


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-09 01:58:03
End at: 2018-08-09 01:58:33
Local clock offset: -6.519 ms
Remote clock offset: -4.399 ms

Below is generated by plot.py at 2018-08-09 06:16:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 863.32 Mbit/s
95th percentile per-packet one-way delay: 51.700 ms
Loss rate: 5.20%
-- Flow 1:
Average throughput: 863.32 Mbit/s
95th percentile per-packet one-way delay: 51.700 ms
Loss rate: 5.20%

Run 3: Report of FillP-Sheep — Data Link

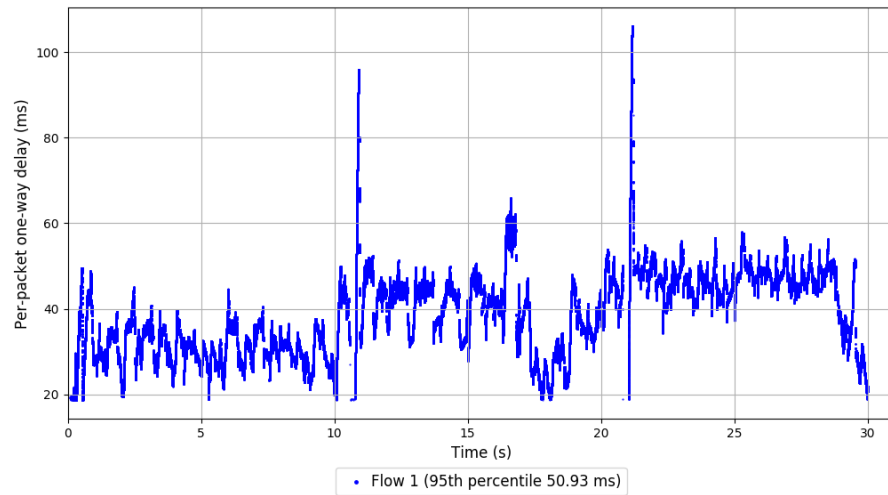
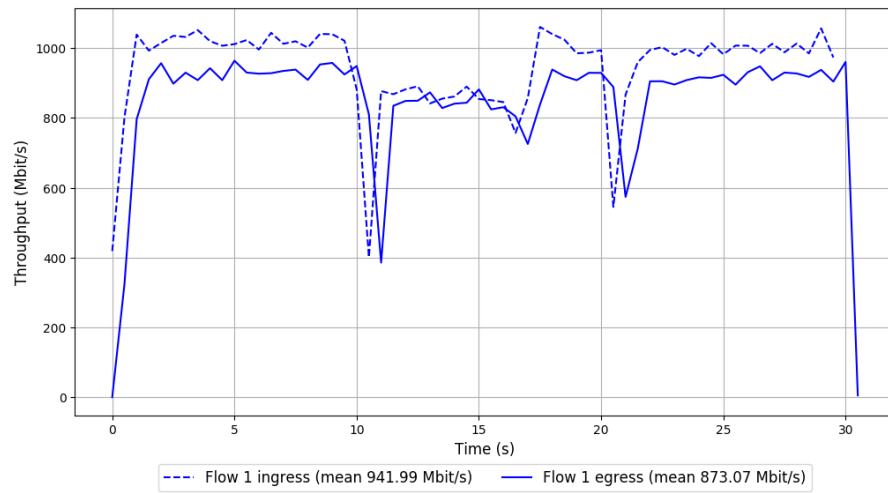


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-09 02:23:30
End at: 2018-08-09 02:24:00
Local clock offset: -6.82 ms
Remote clock offset: -6.158 ms

Below is generated by plot.py at 2018-08-09 06:16:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 873.07 Mbit/s
95th percentile per-packet one-way delay: 50.931 ms
Loss rate: 7.32%
-- Flow 1:
Average throughput: 873.07 Mbit/s
95th percentile per-packet one-way delay: 50.931 ms
Loss rate: 7.32%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-08-09 02:48:52

End at: 2018-08-09 02:49:22

Local clock offset: -6.567 ms

Remote clock offset: -0.998 ms

Below is generated by plot.py at 2018-08-09 06:17:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 860.76 Mbit/s

95th percentile per-packet one-way delay: 53.005 ms

Loss rate: 5.34%

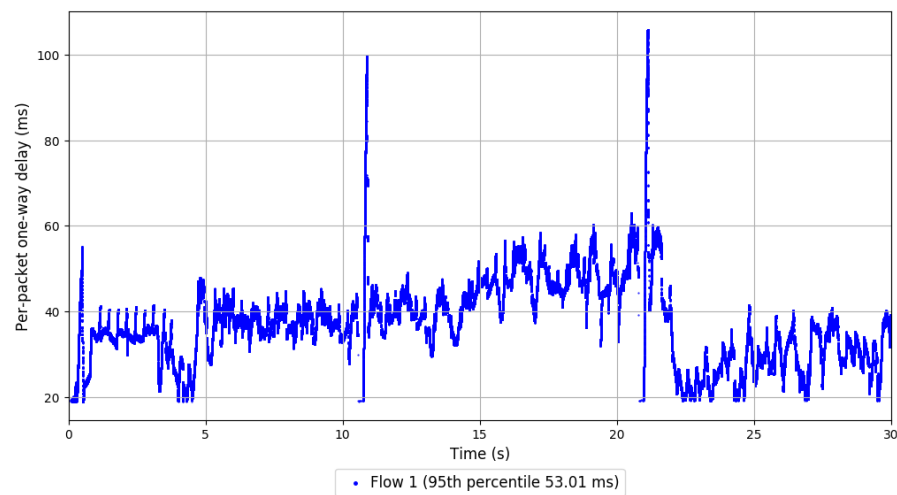
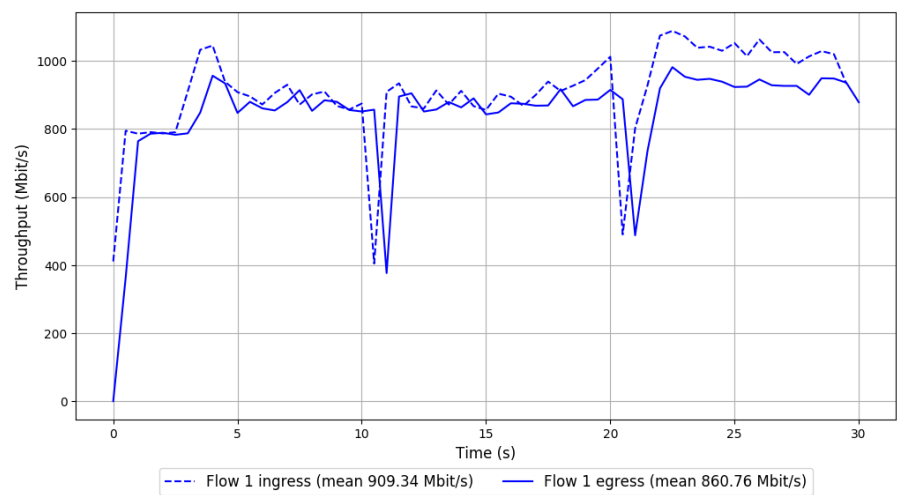
-- Flow 1:

Average throughput: 860.76 Mbit/s

95th percentile per-packet one-way delay: 53.005 ms

Loss rate: 5.34%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-08-09 03:14:28

End at: 2018-08-09 03:14:58

Local clock offset: -2.229 ms

Remote clock offset: 0.181 ms

Below is generated by plot.py at 2018-08-09 06:17:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 846.13 Mbit/s

95th percentile per-packet one-way delay: 52.157 ms

Loss rate: 6.11%

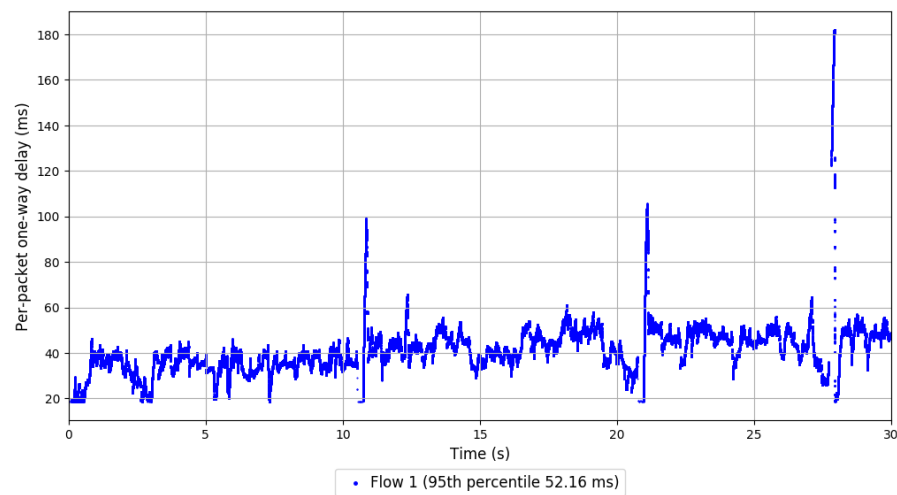
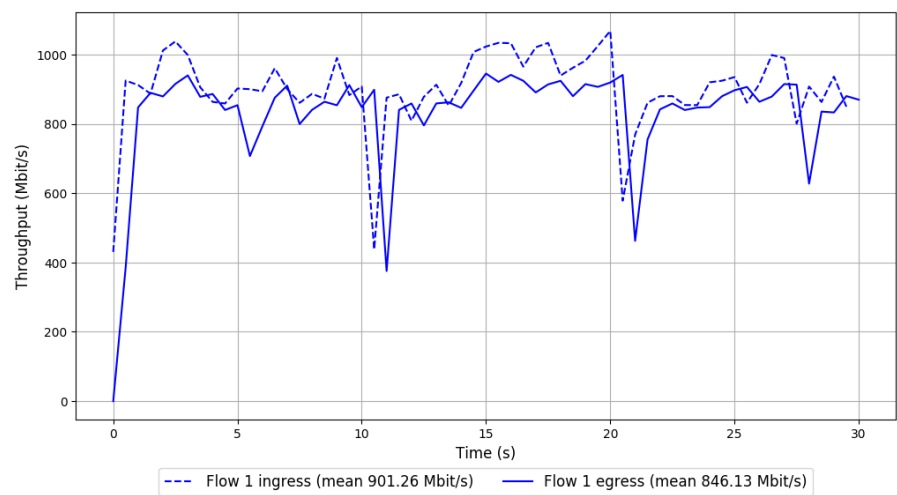
-- Flow 1:

Average throughput: 846.13 Mbit/s

95th percentile per-packet one-way delay: 52.157 ms

Loss rate: 6.11%

Run 6: Report of FillP-Sheep — Data Link

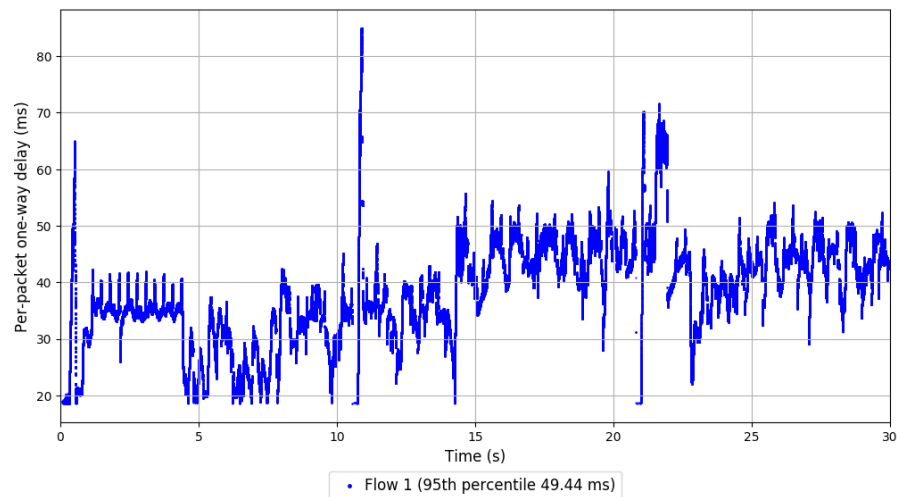
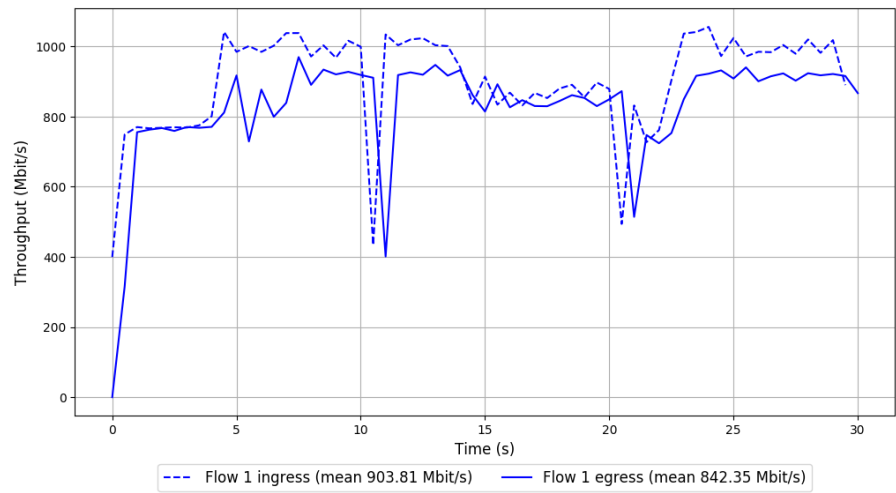


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-09 03:40:04
End at: 2018-08-09 03:40:34
Local clock offset: -1.054 ms
Remote clock offset: -2.726 ms

Below is generated by plot.py at 2018-08-09 06:18:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 842.35 Mbit/s
95th percentile per-packet one-way delay: 49.436 ms
Loss rate: 6.80%
-- Flow 1:
Average throughput: 842.35 Mbit/s
95th percentile per-packet one-way delay: 49.436 ms
Loss rate: 6.80%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-08-09 04:05:47

End at: 2018-08-09 04:06:17

Local clock offset: 3.08 ms

Remote clock offset: 3.851 ms

Below is generated by plot.py at 2018-08-09 06:18:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 822.76 Mbit/s

95th percentile per-packet one-way delay: 61.126 ms

Loss rate: 2.91%

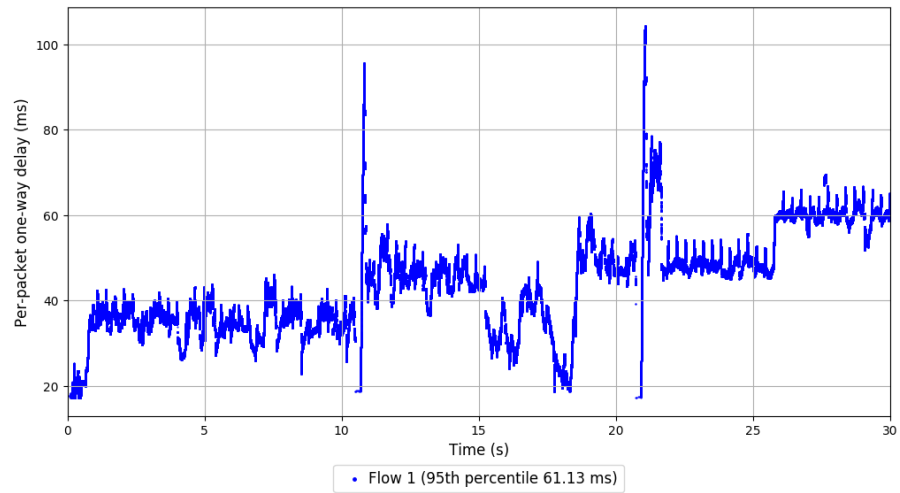
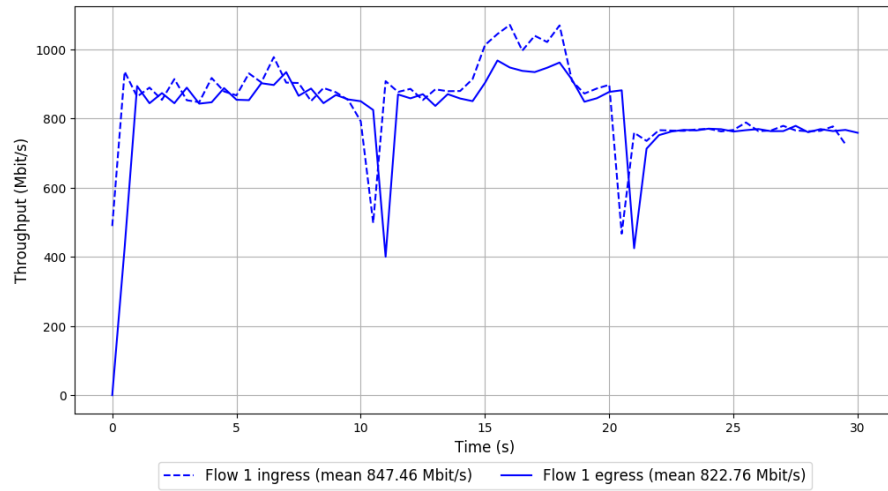
-- Flow 1:

Average throughput: 822.76 Mbit/s

95th percentile per-packet one-way delay: 61.126 ms

Loss rate: 2.91%

Run 8: Report of FillP-Sheep — Data Link

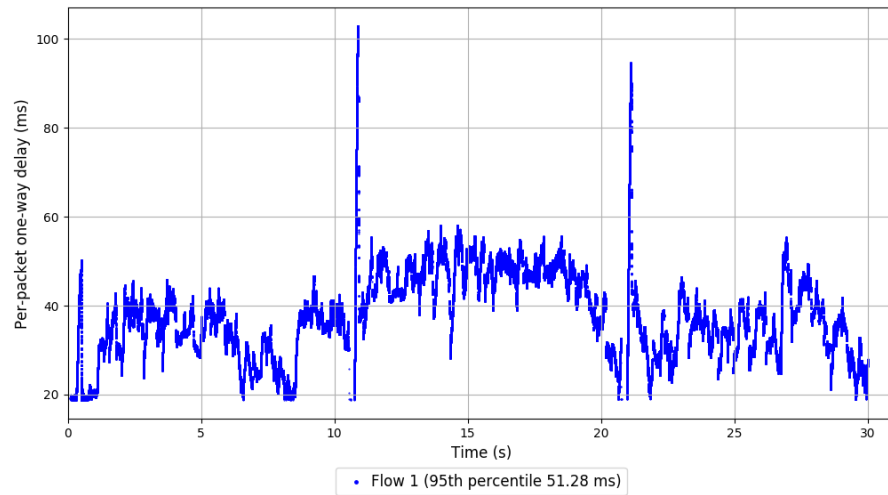
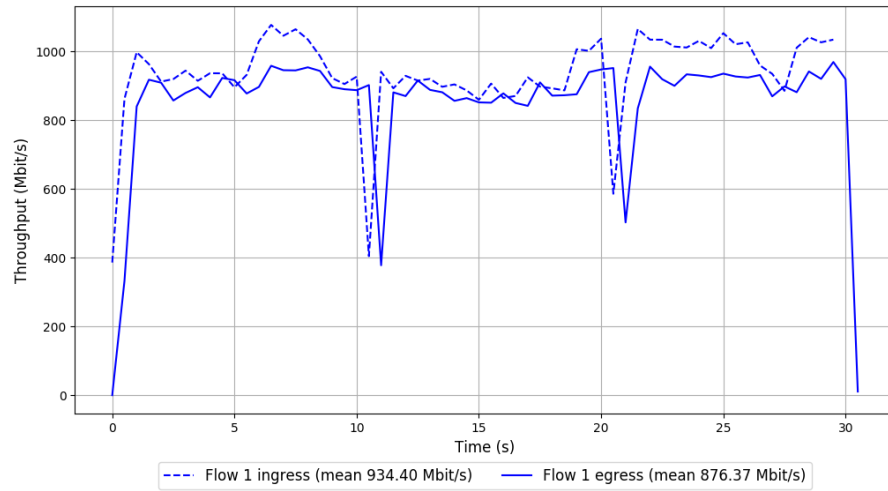


Run 9: Statistics of FillP-Sheep

Start at: 2018-08-09 04:31:29
End at: 2018-08-09 04:31:59
Local clock offset: 3.302 ms
Remote clock offset: -1.396 ms

Below is generated by plot.py at 2018-08-09 06:26:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 876.37 Mbit/s
95th percentile per-packet one-way delay: 51.284 ms
Loss rate: 6.21%
-- Flow 1:
Average throughput: 876.37 Mbit/s
95th percentile per-packet one-way delay: 51.284 ms
Loss rate: 6.21%

Run 9: Report of FillP-Sheep — Data Link

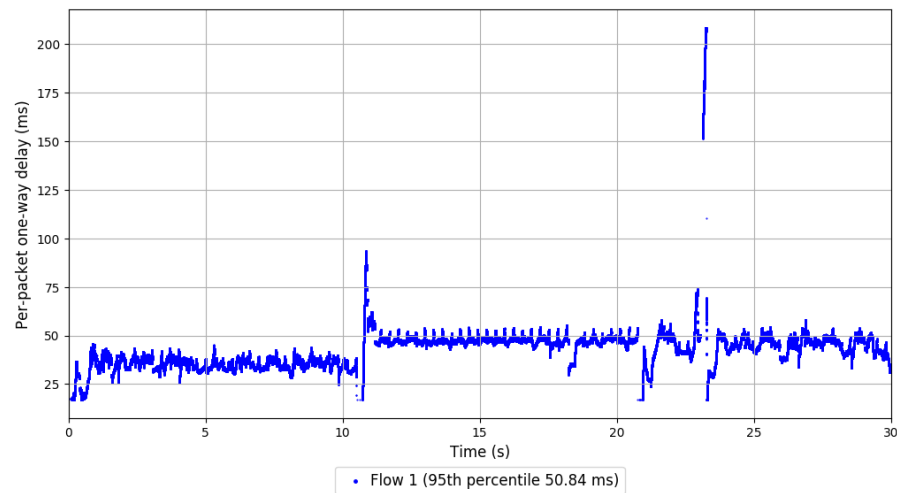
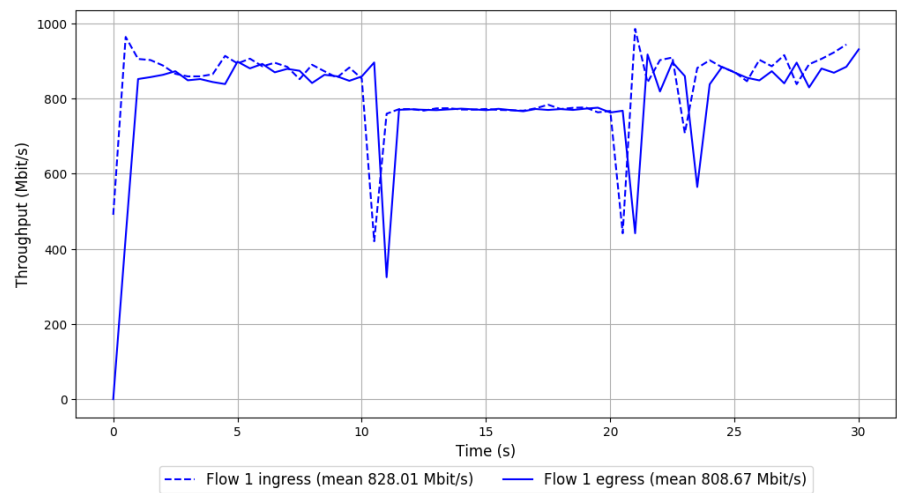


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-09 04:57:12
End at: 2018-08-09 04:57:42
Local clock offset: 0.234 ms
Remote clock offset: -2.249 ms

Below is generated by plot.py at 2018-08-09 06:26:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 808.67 Mbit/s
95th percentile per-packet one-way delay: 50.835 ms
Loss rate: 2.33%
-- Flow 1:
Average throughput: 808.67 Mbit/s
95th percentile per-packet one-way delay: 50.835 ms
Loss rate: 2.33%

Run 10: Report of FillP-Sheep — Data Link

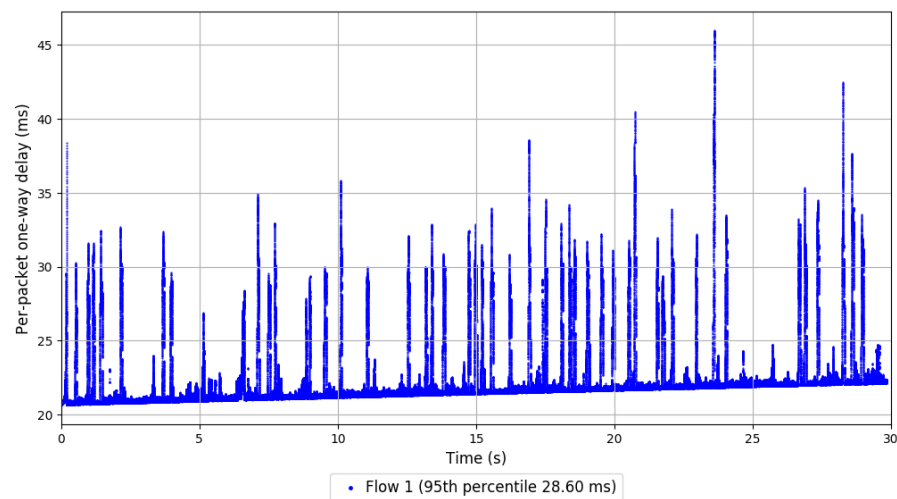
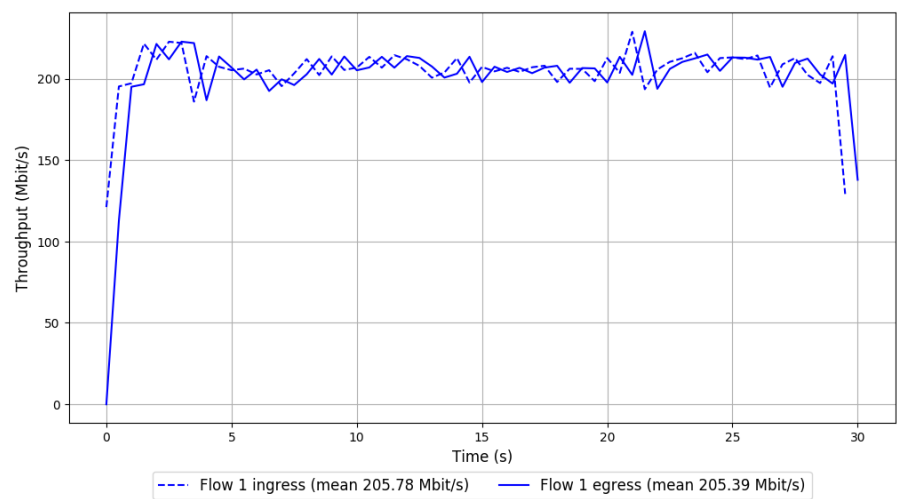


```
Run 1: Statistics of Indigo

Start at: 2018-08-09 01:16:35
End at: 2018-08-09 01:17:05
Local clock offset: -29.579 ms
Remote clock offset: 3.419 ms

# Below is generated by plot.py at 2018-08-09 06:26:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 205.39 Mbit/s
95th percentile per-packet one-way delay: 28.603 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 205.39 Mbit/s
95th percentile per-packet one-way delay: 28.603 ms
Loss rate: 0.18%
```

Run 1: Report of Indigo — Data Link

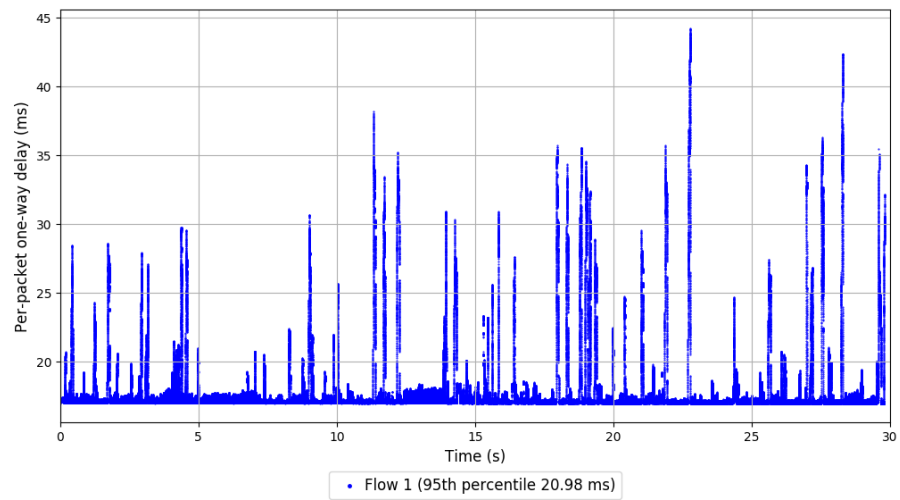
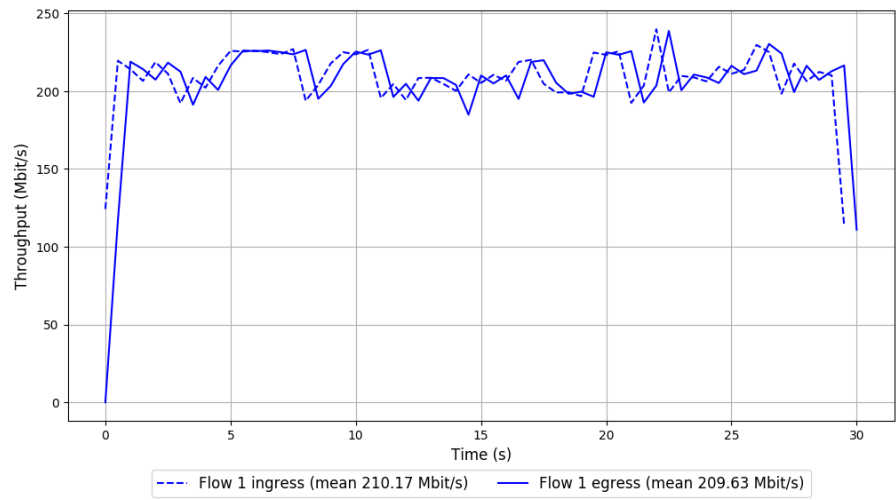


Run 2: Statistics of Indigo

Start at: 2018-08-09 01:42:01
End at: 2018-08-09 01:42:31
Local clock offset: -11.023 ms
Remote clock offset: -2.373 ms

Below is generated by plot.py at 2018-08-09 06:26:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 209.63 Mbit/s
95th percentile per-packet one-way delay: 20.984 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 209.63 Mbit/s
95th percentile per-packet one-way delay: 20.984 ms
Loss rate: 0.26%

Run 2: Report of Indigo — Data Link

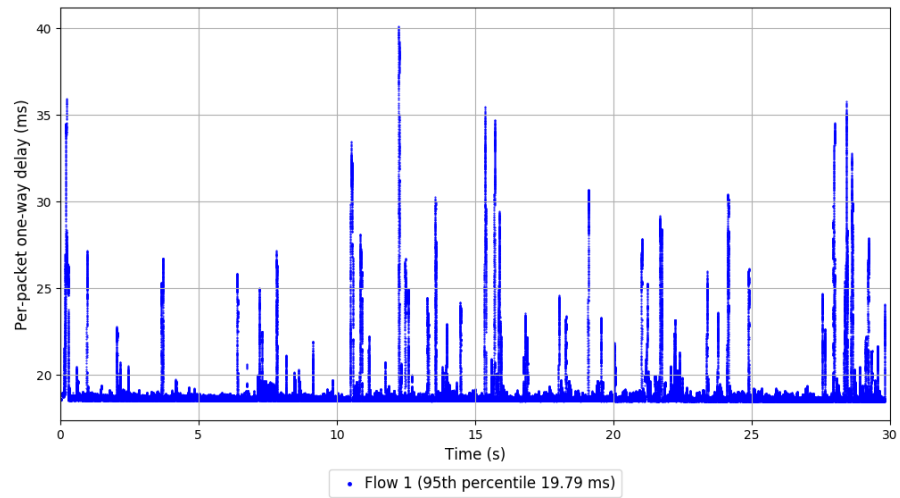
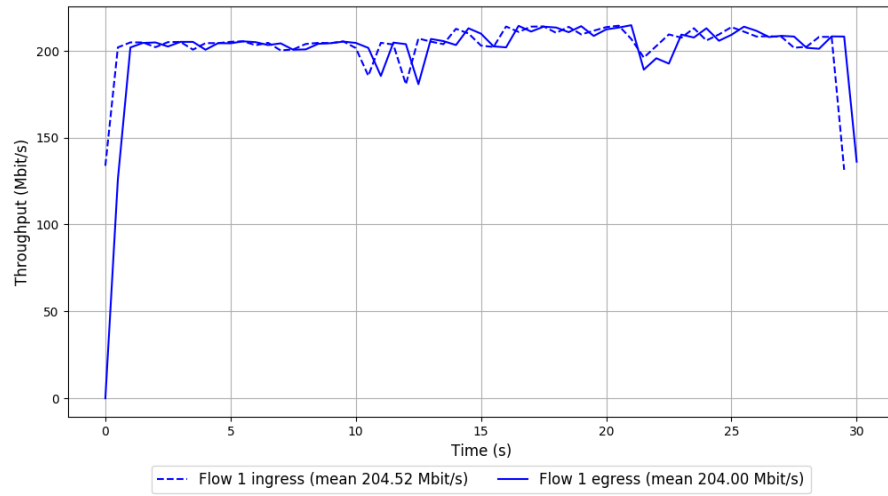


Run 3: Statistics of Indigo

Start at: 2018-08-09 02:07:30
End at: 2018-08-09 02:08:00
Local clock offset: -7.212 ms
Remote clock offset: -5.135 ms

Below is generated by plot.py at 2018-08-09 06:26:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 204.00 Mbit/s
95th percentile per-packet one-way delay: 19.790 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 204.00 Mbit/s
95th percentile per-packet one-way delay: 19.790 ms
Loss rate: 0.26%

Run 3: Report of Indigo — Data Link

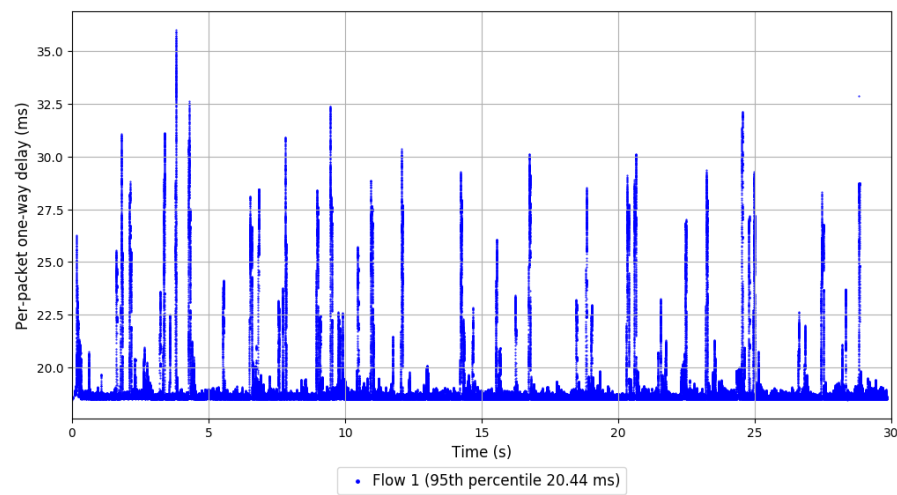
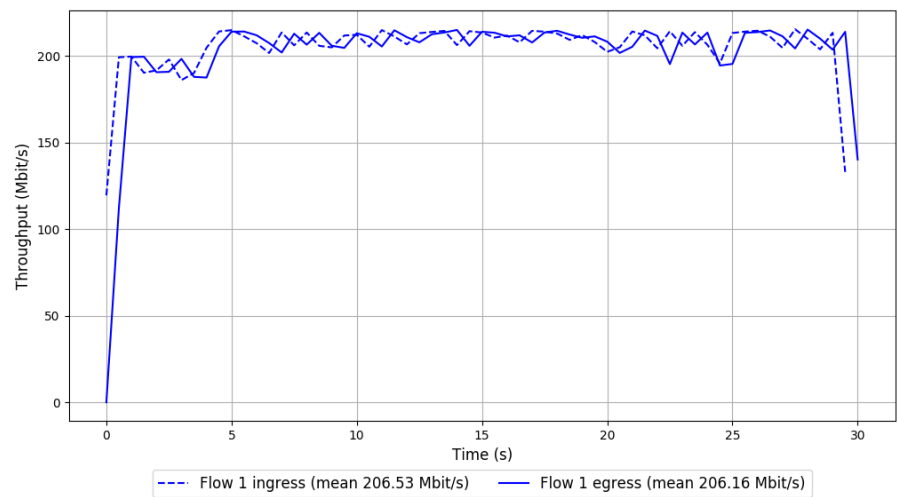


Run 4: Statistics of Indigo

Start at: 2018-08-09 02:33:04
End at: 2018-08-09 02:33:34
Local clock offset: -6.912 ms
Remote clock offset: -6.761 ms

Below is generated by plot.py at 2018-08-09 06:26:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 206.16 Mbit/s
95th percentile per-packet one-way delay: 20.440 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 206.16 Mbit/s
95th percentile per-packet one-way delay: 20.440 ms
Loss rate: 0.18%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-08-09 02:58:28

End at: 2018-08-09 02:58:58

Local clock offset: -2.897 ms

Remote clock offset: 0.768 ms

Below is generated by plot.py at 2018-08-09 06:26:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.94 Mbit/s

95th percentile per-packet one-way delay: 19.616 ms

Loss rate: 0.24%

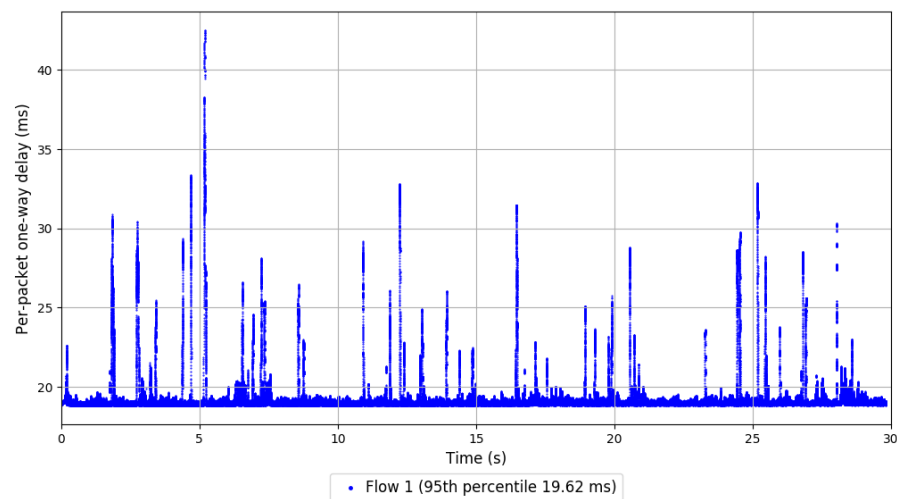
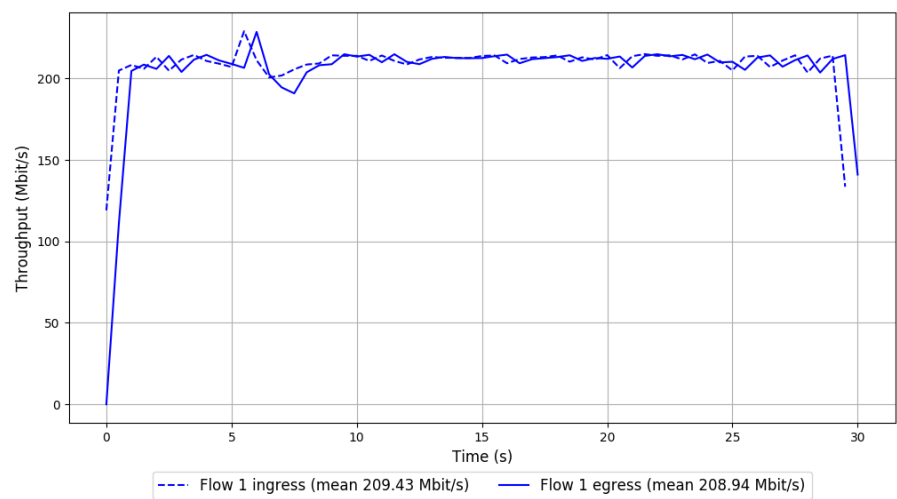
-- Flow 1:

Average throughput: 208.94 Mbit/s

95th percentile per-packet one-way delay: 19.616 ms

Loss rate: 0.24%

Run 5: Report of Indigo — Data Link

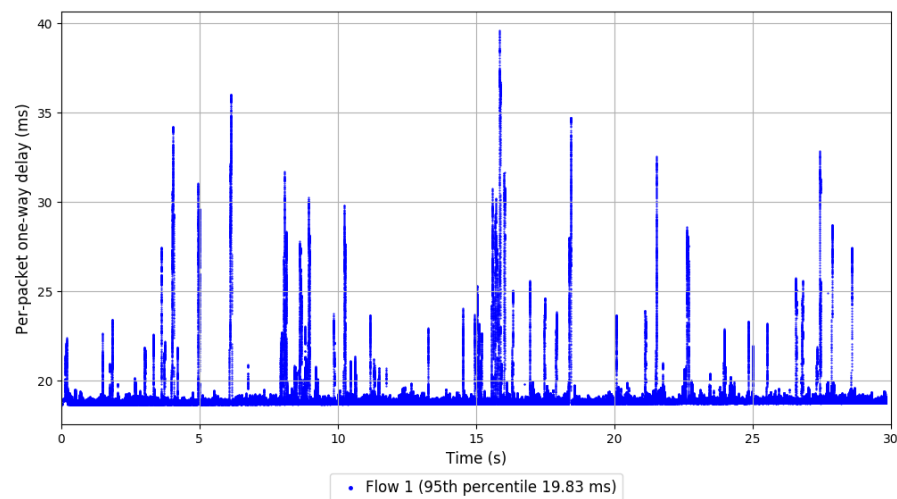
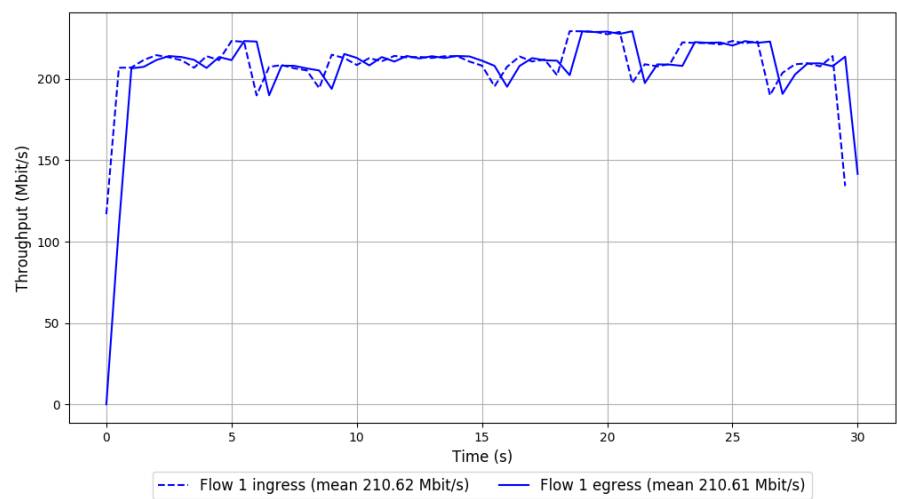


Run 6: Statistics of Indigo

Start at: 2018-08-09 03:23:59
End at: 2018-08-09 03:24:29
Local clock offset: -1.116 ms
Remote clock offset: -1.901 ms

Below is generated by plot.py at 2018-08-09 06:26:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 210.61 Mbit/s
95th percentile per-packet one-way delay: 19.832 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 210.61 Mbit/s
95th percentile per-packet one-way delay: 19.832 ms
Loss rate: 0.01%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-08-09 03:49:42

End at: 2018-08-09 03:50:12

Local clock offset: 0.403 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-08-09 06:26:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 201.85 Mbit/s

95th percentile per-packet one-way delay: 19.592 ms

Loss rate: 0.00%

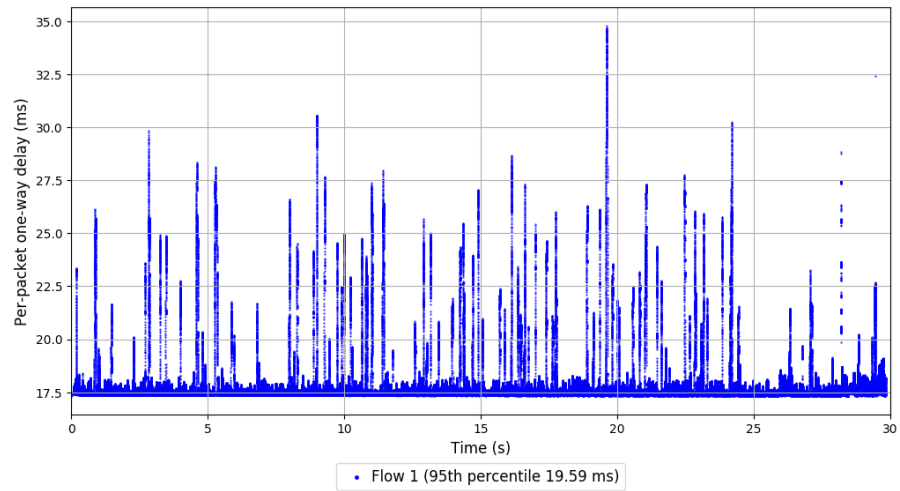
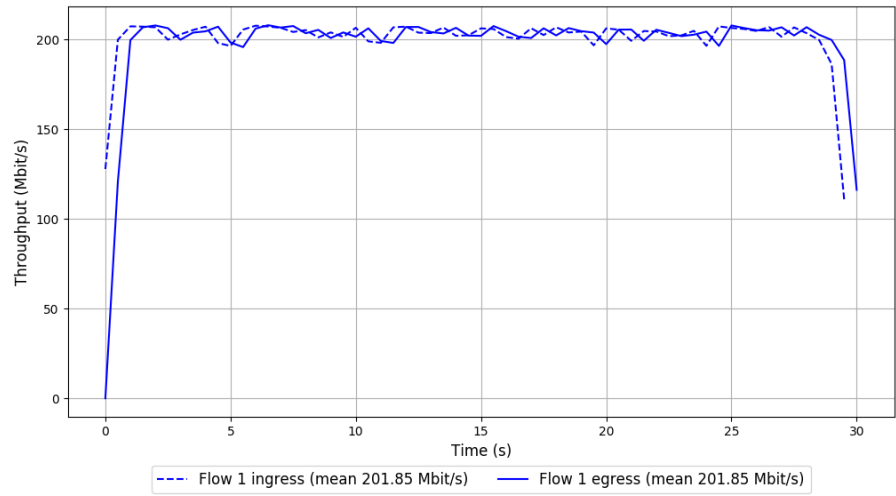
-- Flow 1:

Average throughput: 201.85 Mbit/s

95th percentile per-packet one-way delay: 19.592 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-08-09 04:15:20

End at: 2018-08-09 04:15:50

Local clock offset: 3.595 ms

Remote clock offset: 4.939 ms

Below is generated by plot.py at 2018-08-09 06:26:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 202.06 Mbit/s

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

Loss rate: 0.05%

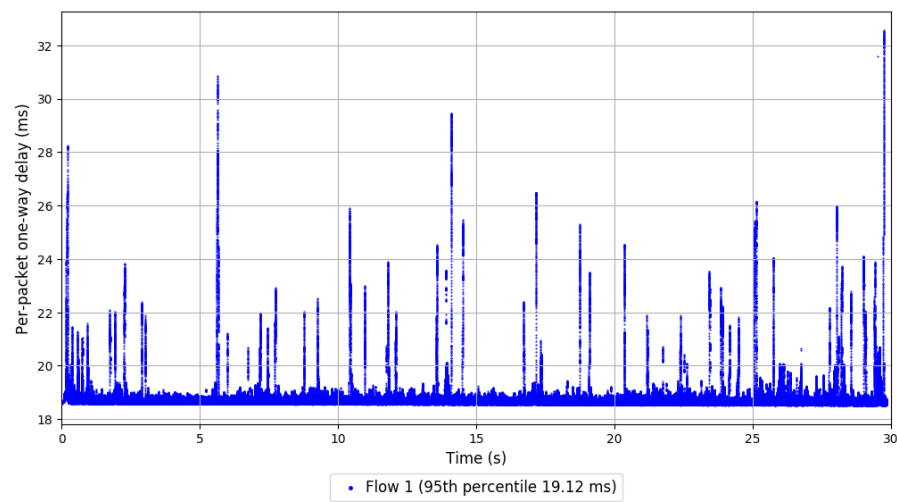
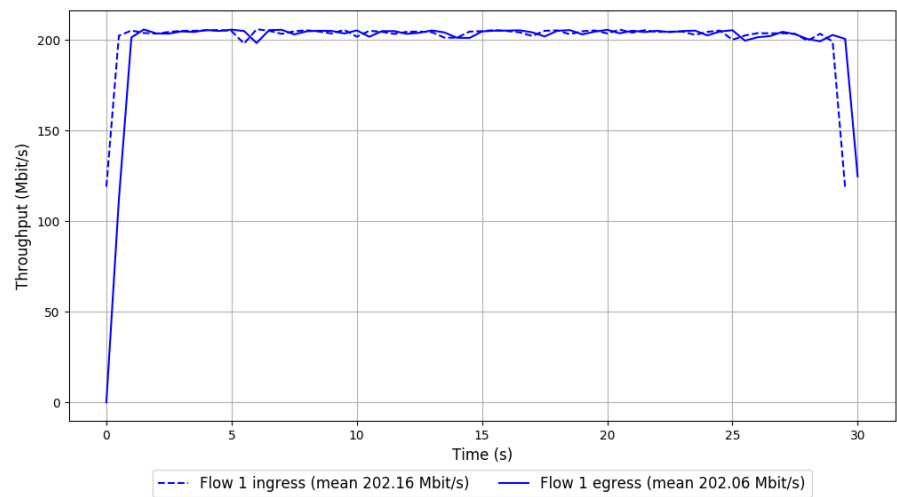
-- Flow 1:

Average throughput: 202.06 Mbit/s

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

Loss rate: 0.05%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-08-09 04:40:58

End at: 2018-08-09 04:41:28

Local clock offset: 3.492 ms

Remote clock offset: -2.91 ms

Below is generated by plot.py at 2018-08-09 06:26:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.31 Mbit/s

95th percentile per-packet one-way delay: 19.338 ms

Loss rate: 0.08%

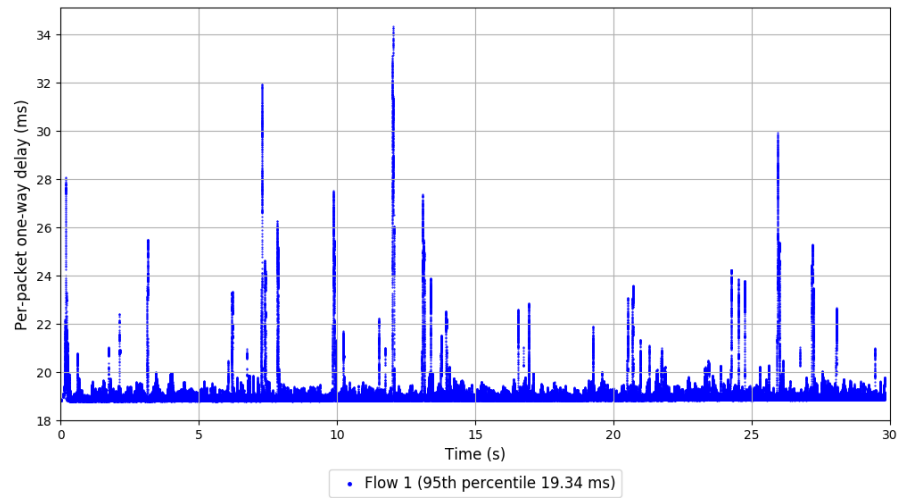
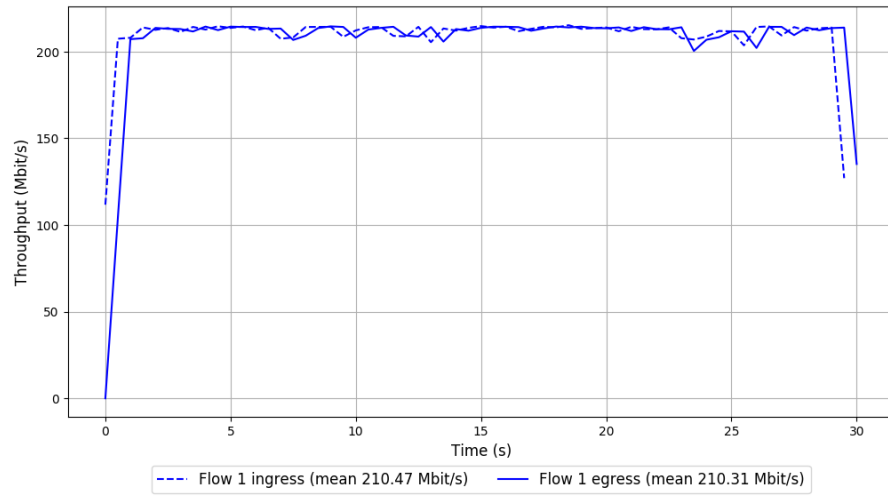
-- Flow 1:

Average throughput: 210.31 Mbit/s

95th percentile per-packet one-way delay: 19.338 ms

Loss rate: 0.08%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-08-09 05:06:55

End at: 2018-08-09 05:07:26

Local clock offset: -0.835 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2018-08-09 06:26:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.46 Mbit/s

95th percentile per-packet one-way delay: 19.142 ms

Loss rate: 0.18%

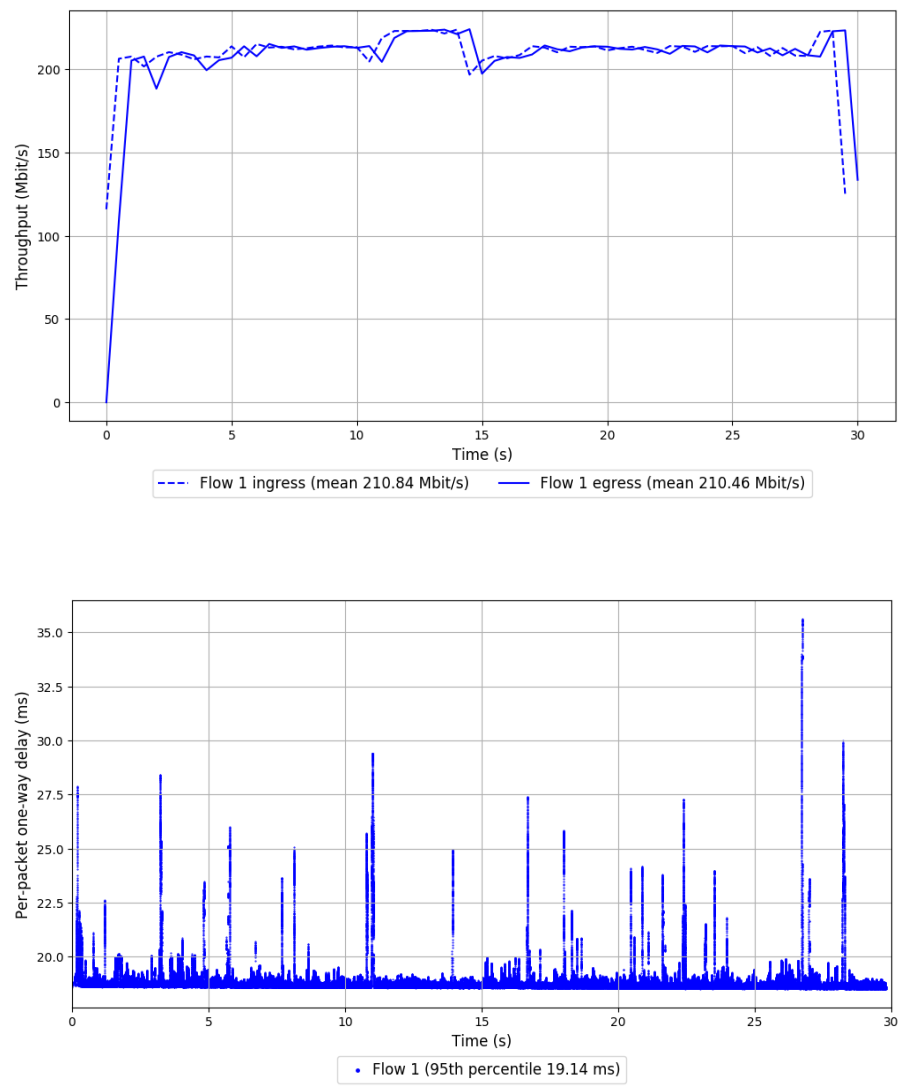
-- Flow 1:

Average throughput: 210.46 Mbit/s

95th percentile per-packet one-way delay: 19.142 ms

Loss rate: 0.18%

Run 10: Report of Indigo — Data Link

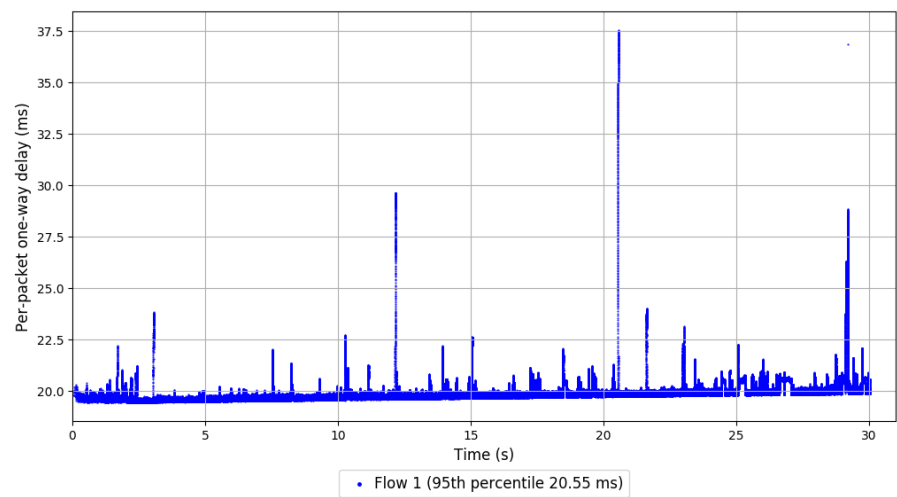
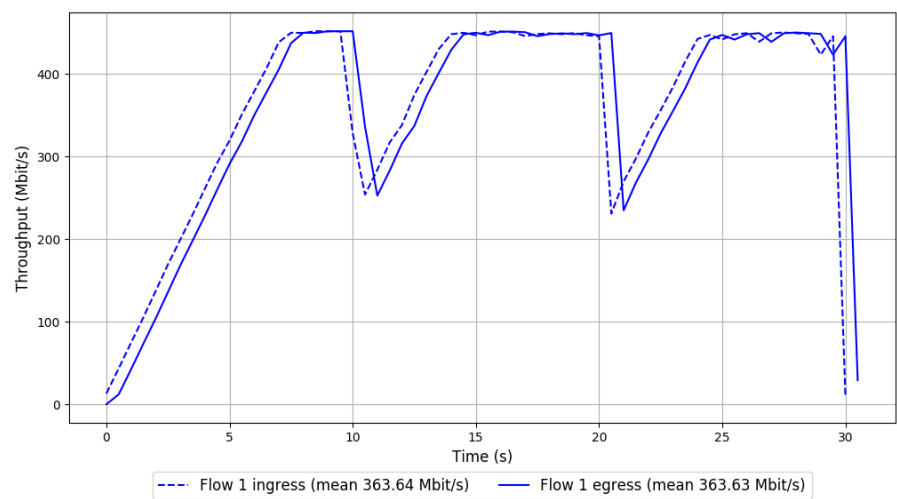


```
Run 1: Statistics of LEDBAT

Start at: 2018-08-09 01:24:02
End at: 2018-08-09 01:24:32
Local clock offset: -14.371 ms
Remote clock offset: 3.581 ms

# Below is generated by plot.py at 2018-08-09 06:26:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 363.63 Mbit/s
95th percentile per-packet one-way delay: 20.545 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 363.63 Mbit/s
95th percentile per-packet one-way delay: 20.545 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-08-09 01:49:34

End at: 2018-08-09 01:50:04

Local clock offset: -9.214 ms

Remote clock offset: -3.6 ms

Below is generated by plot.py at 2018-08-09 06:26:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 263.06 Mbit/s

95th percentile per-packet one-way delay: 19.962 ms

Loss rate: 0.02%

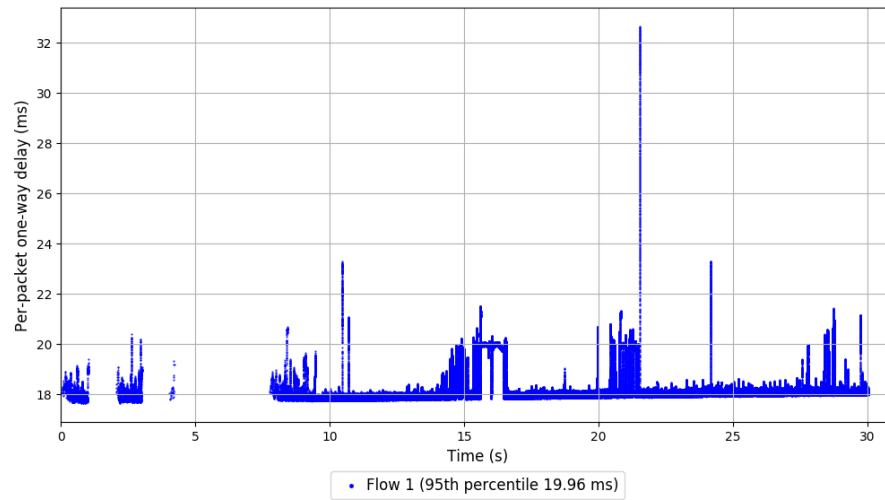
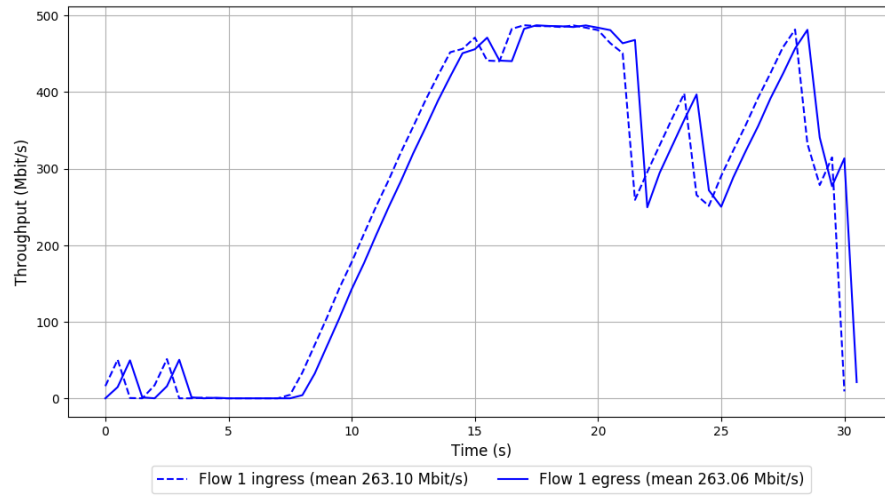
-- Flow 1:

Average throughput: 263.06 Mbit/s

95th percentile per-packet one-way delay: 19.962 ms

Loss rate: 0.02%

Run 2: Report of LEDBAT — Data Link

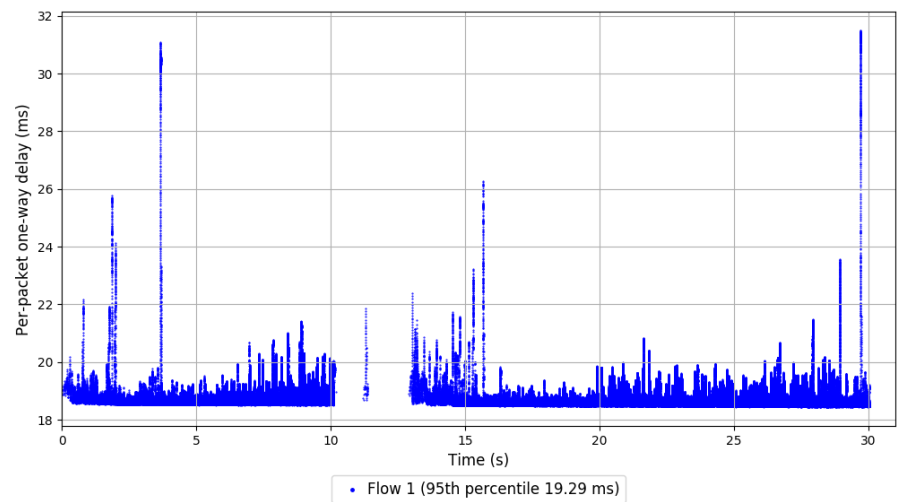
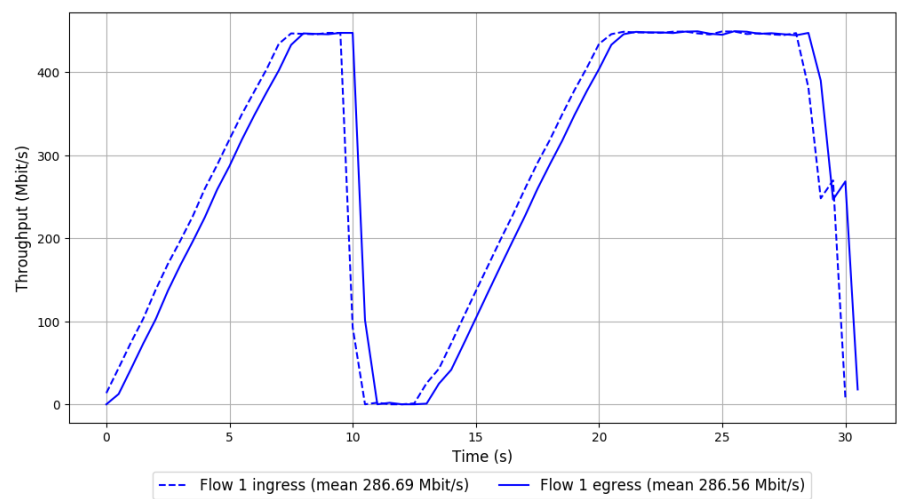


Run 3: Statistics of LEDBAT

Start at: 2018-08-09 02:14:59
End at: 2018-08-09 02:15:29
Local clock offset: -8.95 ms
Remote clock offset: -5.642 ms

Below is generated by plot.py at 2018-08-09 06:26:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 286.56 Mbit/s
95th percentile per-packet one-way delay: 19.291 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 286.56 Mbit/s
95th percentile per-packet one-way delay: 19.291 ms
Loss rate: 0.05%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-08-09 02:40:34

End at: 2018-08-09 02:41:04

Local clock offset: -8.054 ms

Remote clock offset: -4.02 ms

Below is generated by plot.py at 2018-08-09 06:26:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 377.25 Mbit/s

95th percentile per-packet one-way delay: 19.176 ms

Loss rate: 0.00%

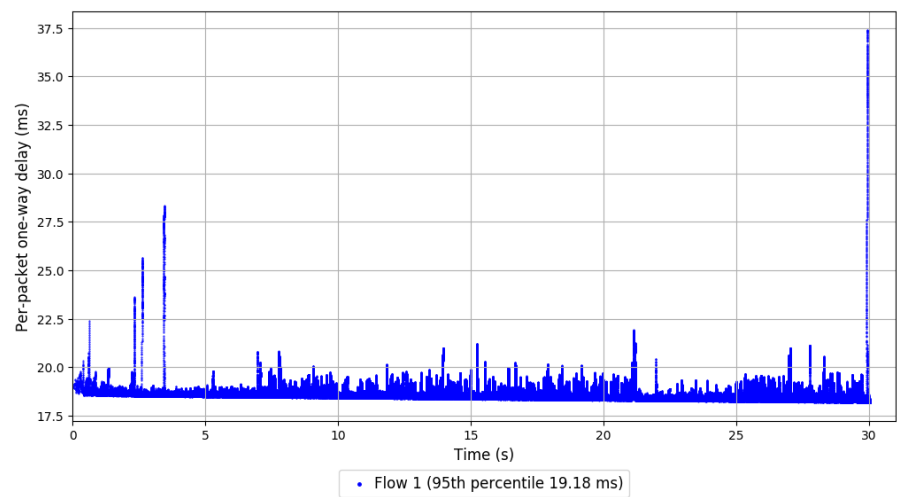
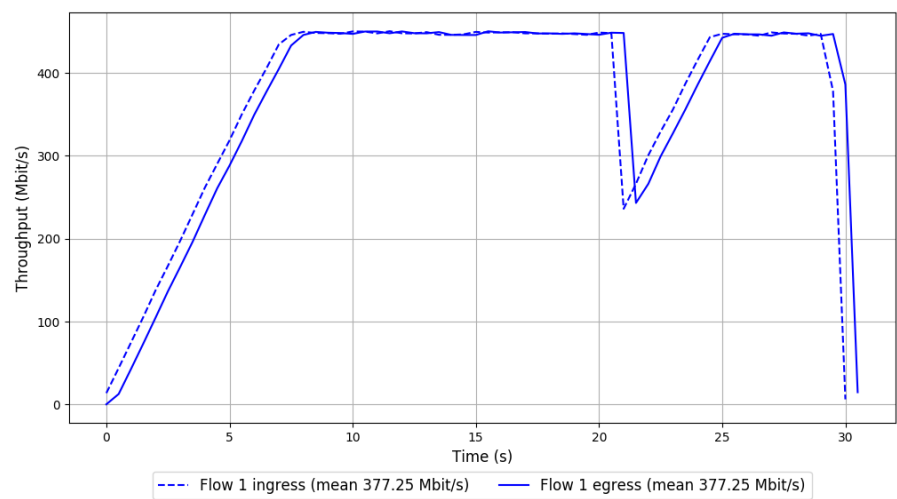
-- Flow 1:

Average throughput: 377.25 Mbit/s

95th percentile per-packet one-way delay: 19.176 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-08-09 03:05:57

End at: 2018-08-09 03:06:27

Local clock offset: -2.122 ms

Remote clock offset: 1.579 ms

Below is generated by plot.py at 2018-08-09 06:26:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 280.75 Mbit/s

95th percentile per-packet one-way delay: 19.635 ms

Loss rate: 0.05%

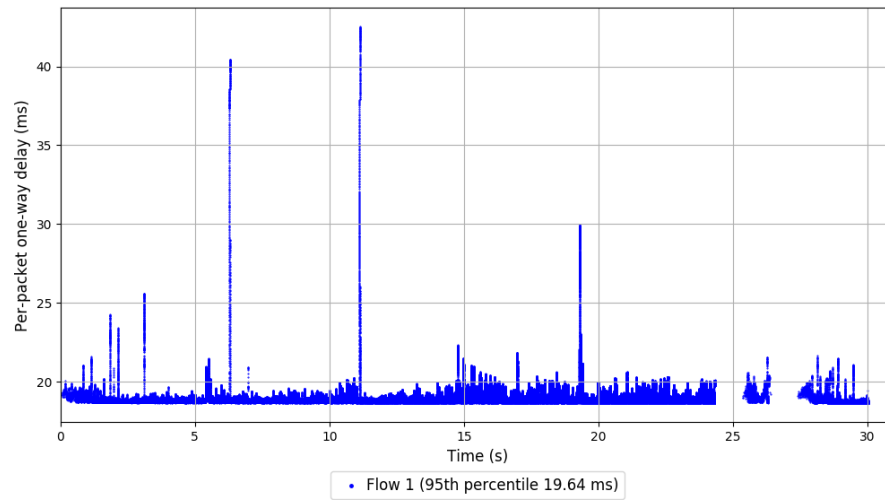
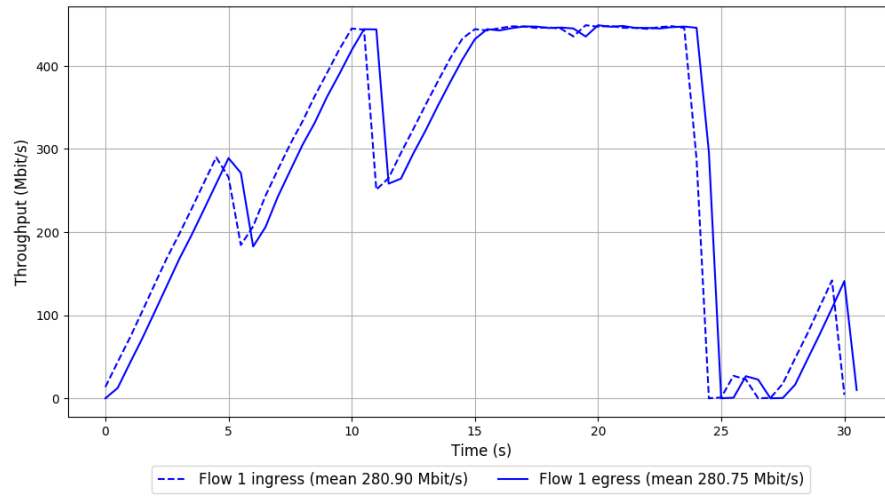
-- Flow 1:

Average throughput: 280.75 Mbit/s

95th percentile per-packet one-way delay: 19.635 ms

Loss rate: 0.05%

Run 5: Report of LEDBAT — Data Link

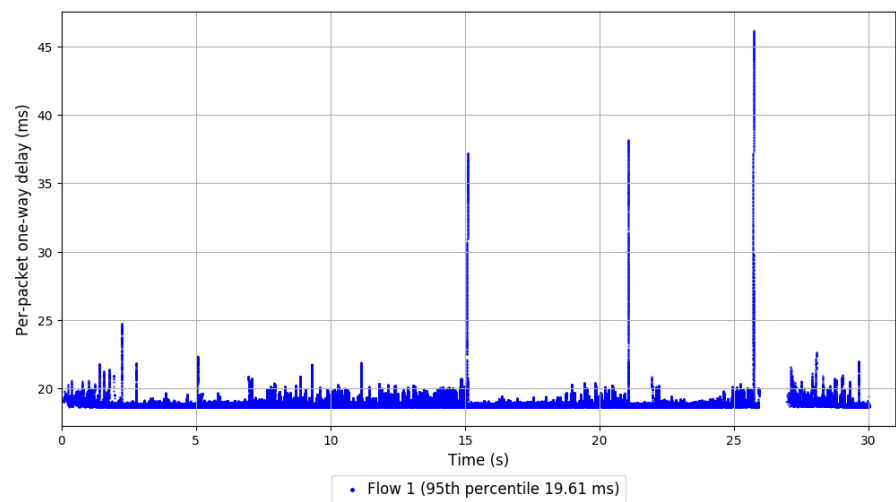
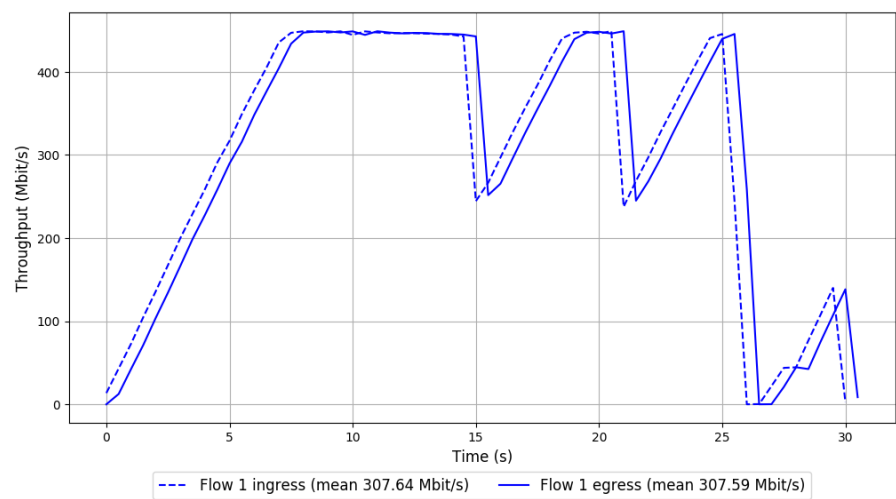


Run 6: Statistics of LEDBAT

Start at: 2018-08-09 03:31:29
End at: 2018-08-09 03:31:59
Local clock offset: -0.836 ms
Remote clock offset: -2.423 ms

Below is generated by plot.py at 2018-08-09 06:26:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 307.59 Mbit/s
95th percentile per-packet one-way delay: 19.613 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 307.59 Mbit/s
95th percentile per-packet one-way delay: 19.613 ms
Loss rate: 0.02%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-08-09 03:57:14

End at: 2018-08-09 03:57:44

Local clock offset: 2.232 ms

Remote clock offset: 2.41 ms

Below is generated by plot.py at 2018-08-09 06:26:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 260.11 Mbit/s

95th percentile per-packet one-way delay: 19.460 ms

Loss rate: 0.05%

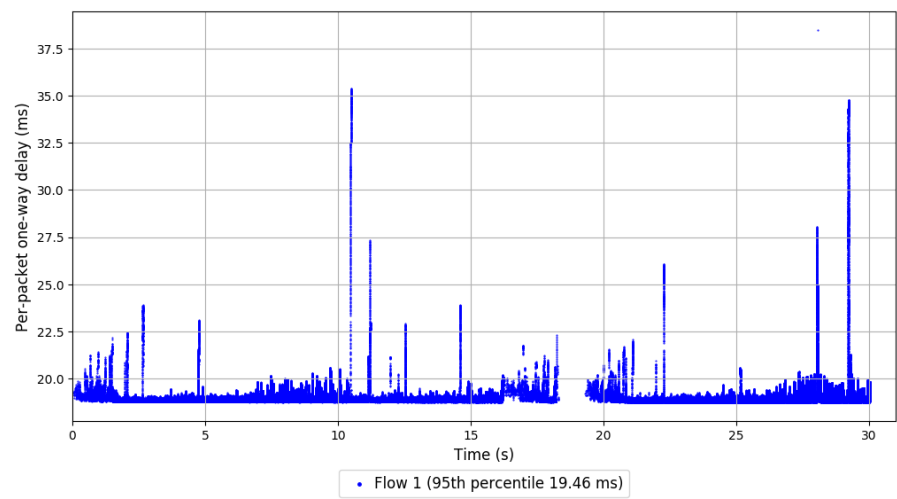
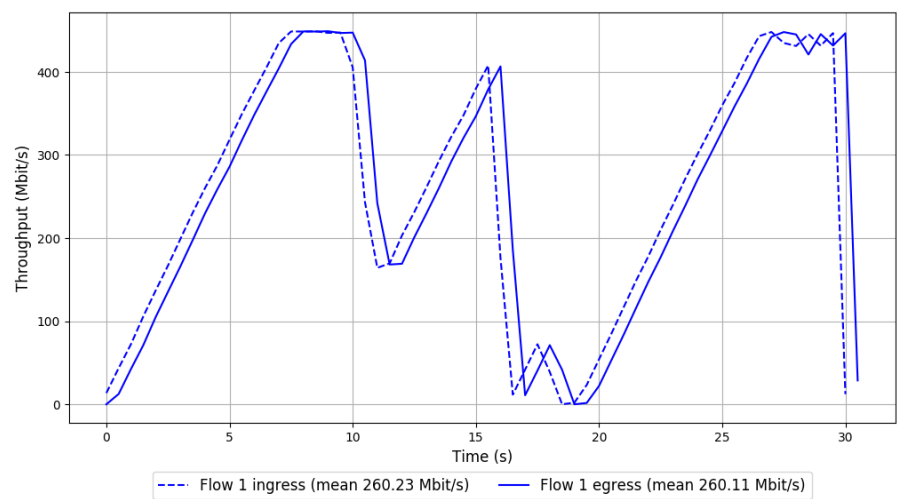
-- Flow 1:

Average throughput: 260.11 Mbit/s

95th percentile per-packet one-way delay: 19.460 ms

Loss rate: 0.05%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-08-09 04:22:58

End at: 2018-08-09 04:23:29

Local clock offset: 3.346 ms

Remote clock offset: 2.072 ms

Below is generated by plot.py at 2018-08-09 06:27:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 316.92 Mbit/s

95th percentile per-packet one-way delay: 19.764 ms

Loss rate: 0.05%

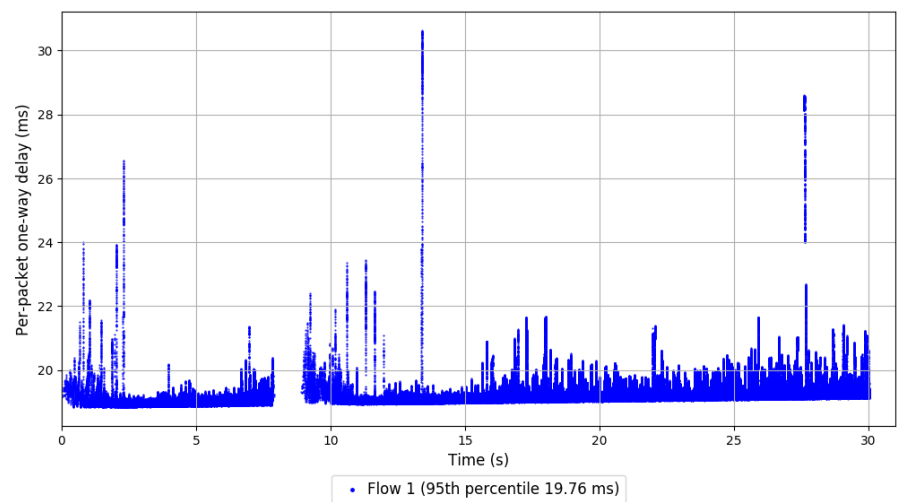
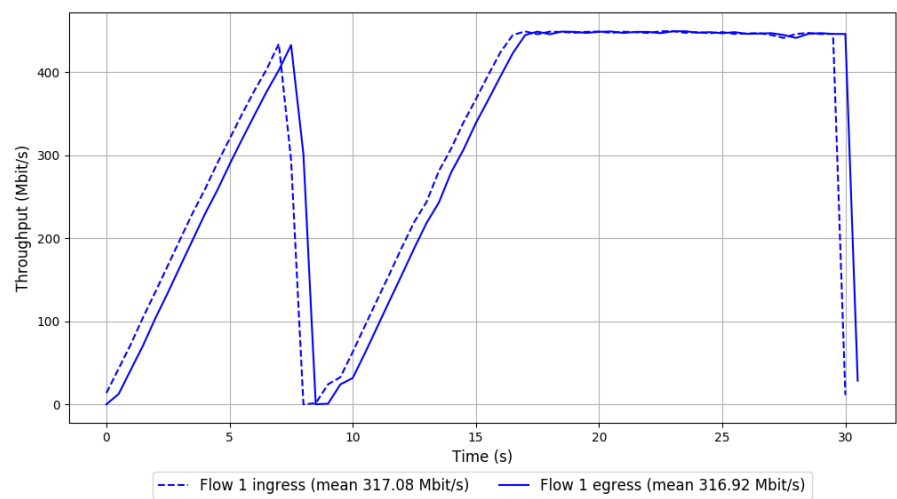
-- Flow 1:

Average throughput: 316.92 Mbit/s

95th percentile per-packet one-way delay: 19.764 ms

Loss rate: 0.05%

Run 8: Report of LEDBAT — Data Link

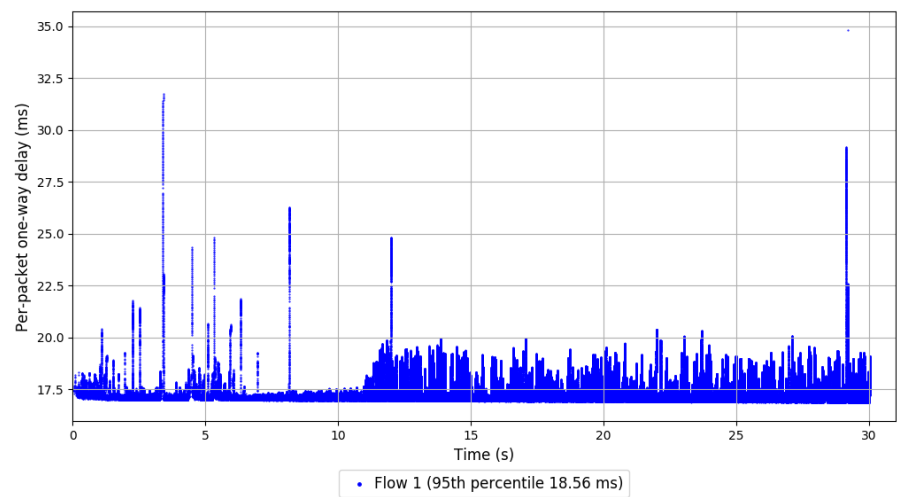
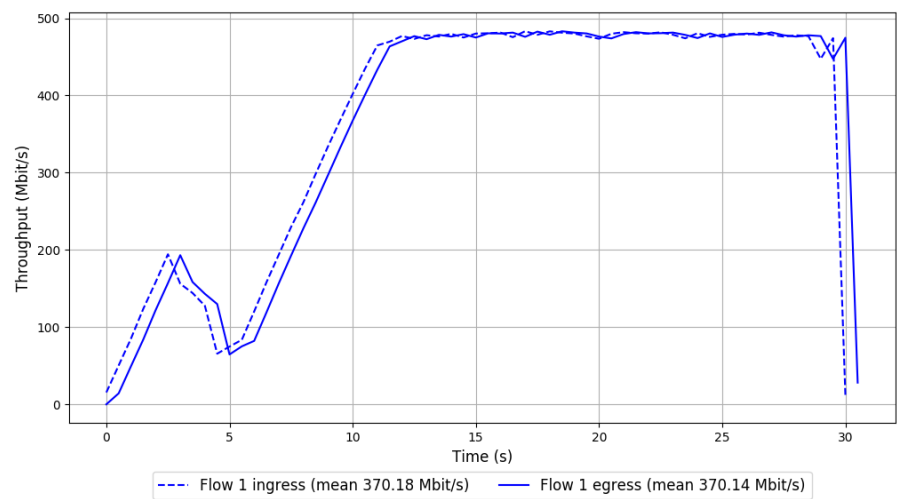


Run 9: Statistics of LEDBAT

Start at: 2018-08-09 04:48:36
End at: 2018-08-09 04:49:06
Local clock offset: 2.459 ms
Remote clock offset: -3.624 ms

Below is generated by plot.py at 2018-08-09 06:29:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 370.14 Mbit/s
95th percentile per-packet one-way delay: 18.562 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 370.14 Mbit/s
95th percentile per-packet one-way delay: 18.562 ms
Loss rate: 0.01%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-08-09 05:14:20

End at: 2018-08-09 05:14:50

Local clock offset: -1.363 ms

Remote clock offset: 0.577 ms

Below is generated by plot.py at 2018-08-09 06:29:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 392.55 Mbit/s

95th percentile per-packet one-way delay: 19.306 ms

Loss rate: 0.00%

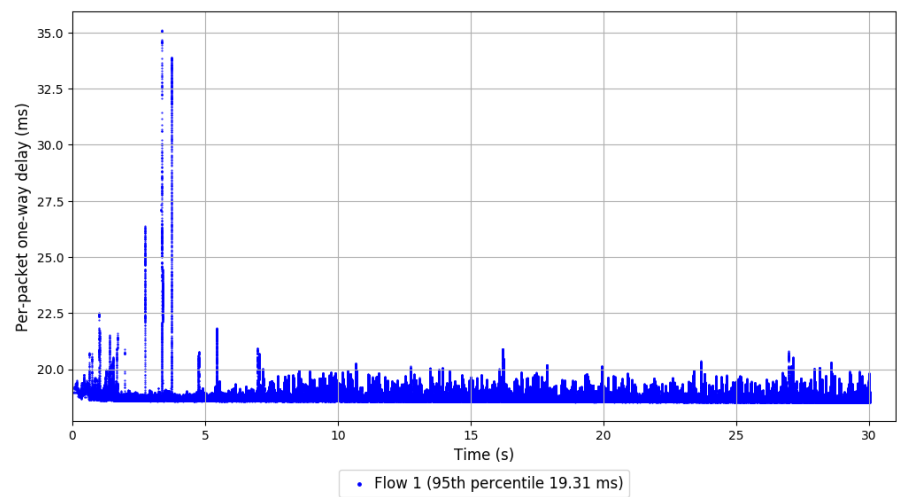
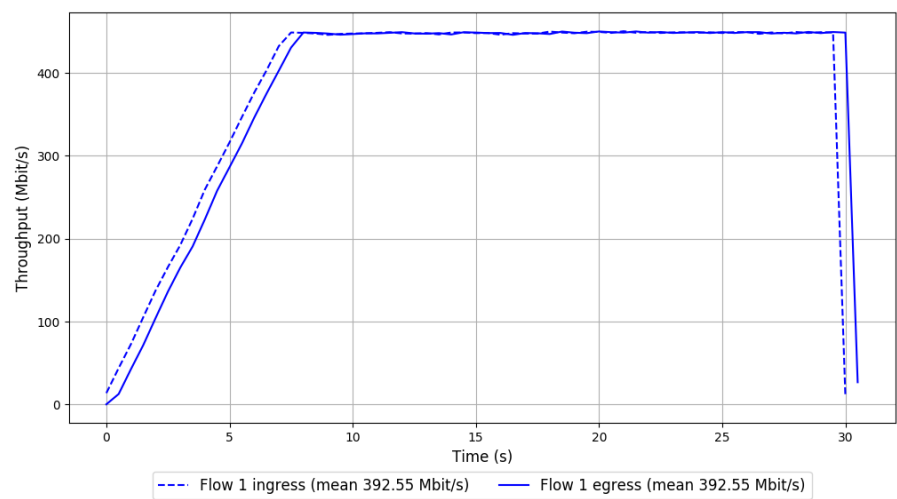
-- Flow 1:

Average throughput: 392.55 Mbit/s

95th percentile per-packet one-way delay: 19.306 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

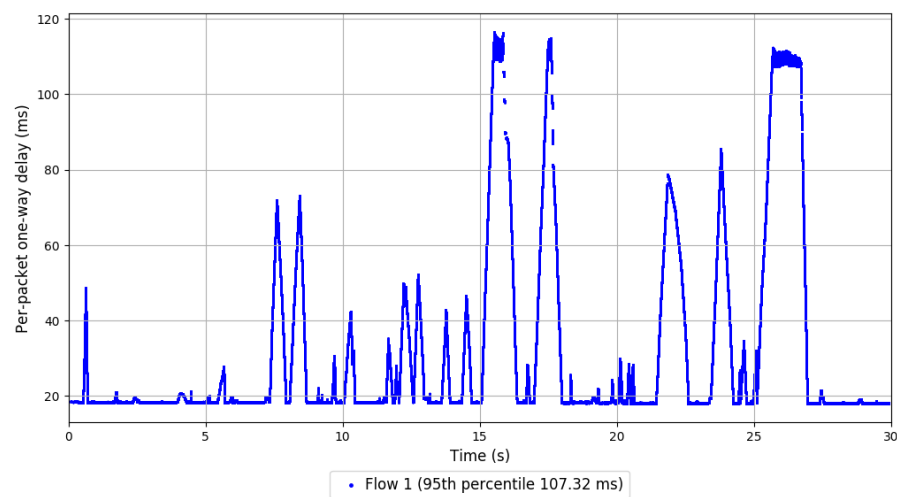
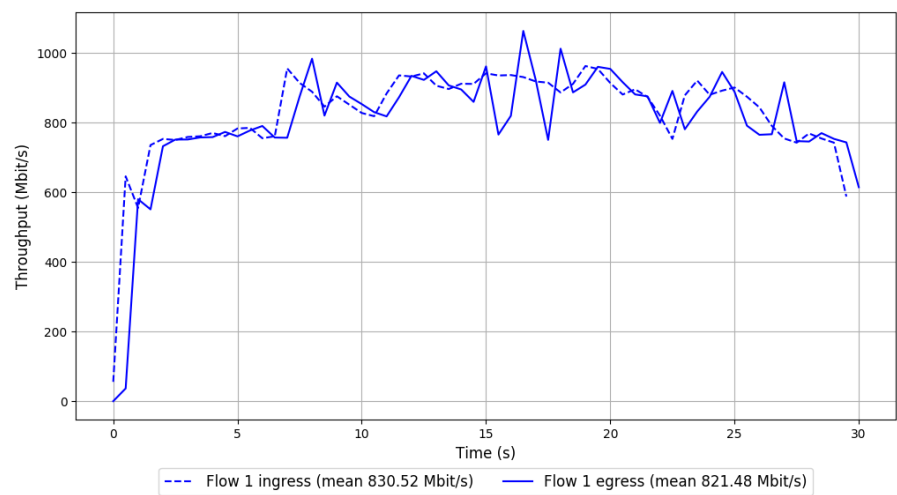


Run 1: Statistics of PCC-Allegro

Start at: 2018-08-09 01:08:50
End at: 2018-08-09 01:09:20
Local clock offset: -25.982 ms
Remote clock offset: 3.327 ms

Below is generated by plot.py at 2018-08-09 06:34:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 821.48 Mbit/s
95th percentile per-packet one-way delay: 107.320 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 821.48 Mbit/s
95th percentile per-packet one-way delay: 107.320 ms
Loss rate: 1.09%

Run 1: Report of PCC-Allegro — Data Link

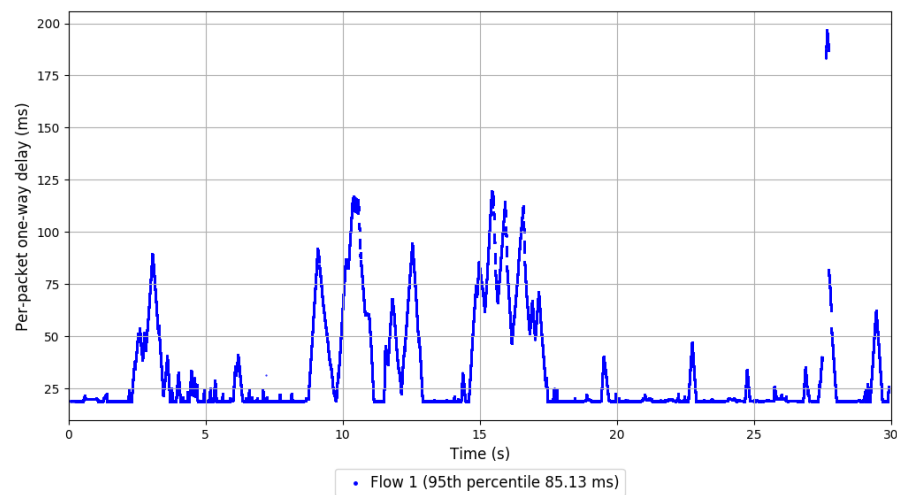
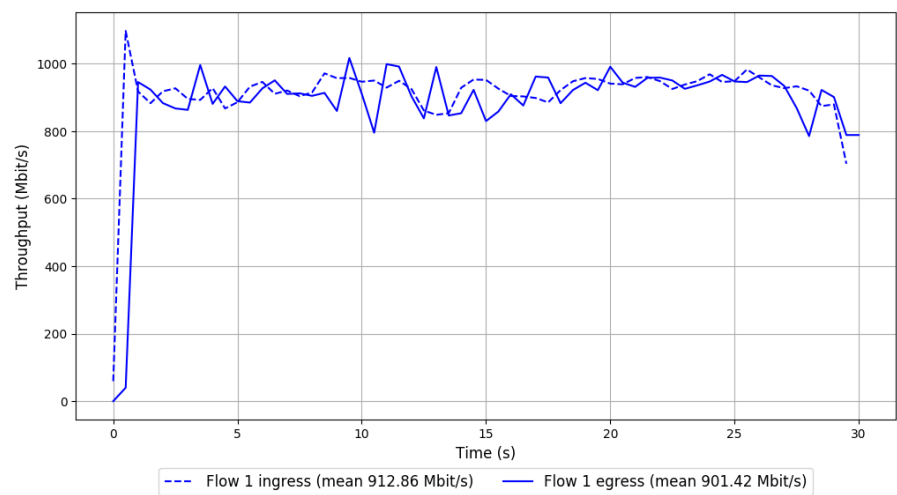


Run 2: Statistics of PCC-Allegro

Start at: 2018-08-09 01:34:19
End at: 2018-08-09 01:34:49
Local clock offset: -9.687 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-08-09 06:36:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 901.42 Mbit/s
95th percentile per-packet one-way delay: 85.130 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 901.42 Mbit/s
95th percentile per-packet one-way delay: 85.130 ms
Loss rate: 1.25%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-09 01:59:45

End at: 2018-08-09 02:00:15

Local clock offset: -6.384 ms

Remote clock offset: -4.545 ms

Below is generated by plot.py at 2018-08-09 06:36:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 864.95 Mbit/s

95th percentile per-packet one-way delay: 33.507 ms

Loss rate: 0.20%

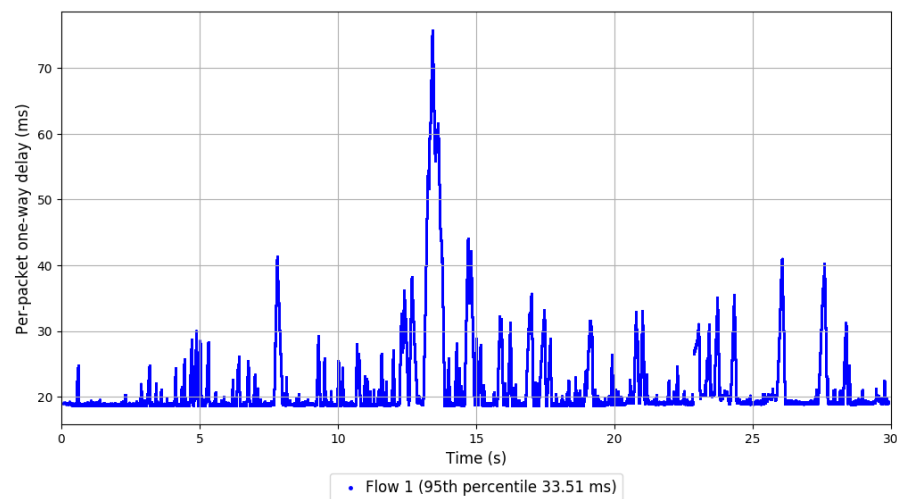
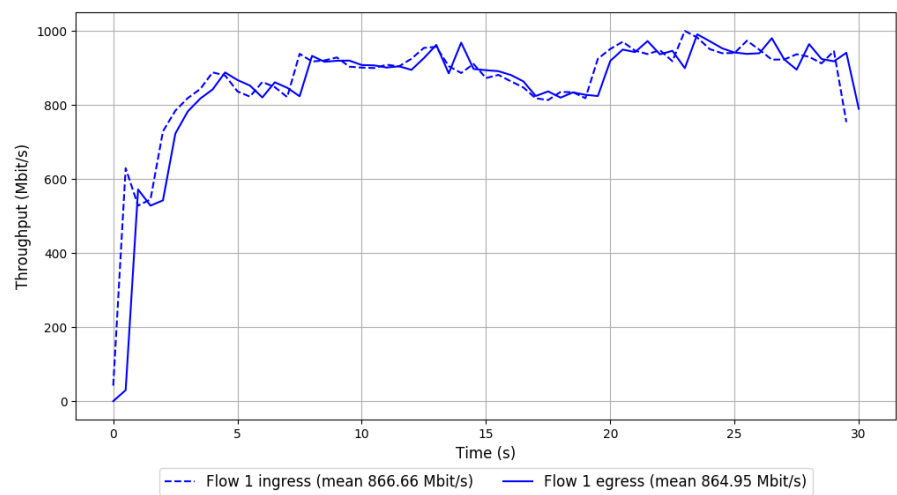
-- Flow 1:

Average throughput: 864.95 Mbit/s

95th percentile per-packet one-way delay: 33.507 ms

Loss rate: 0.20%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-09 02:25:13

End at: 2018-08-09 02:25:43

Local clock offset: -6.747 ms

Remote clock offset: -6.207 ms

Below is generated by plot.py at 2018-08-09 06:36:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 859.50 Mbit/s

95th percentile per-packet one-way delay: 21.557 ms

Loss rate: 0.54%

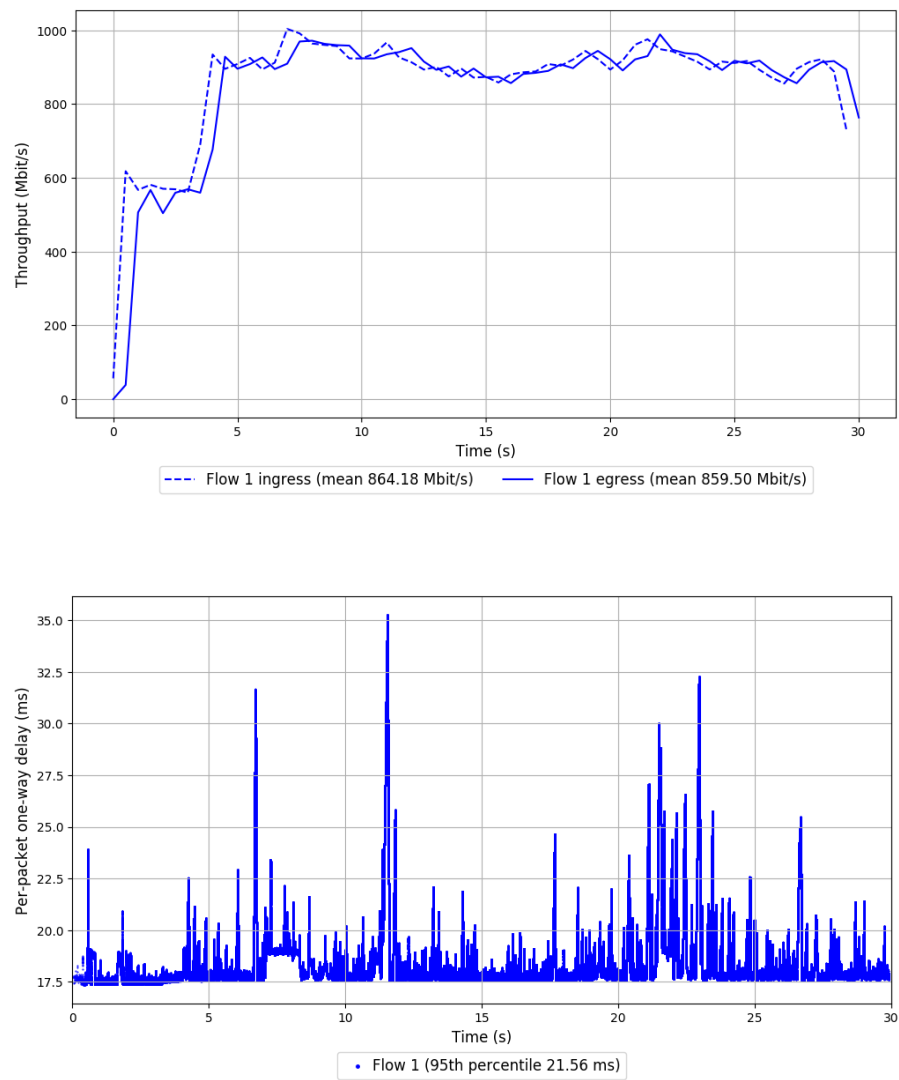
-- Flow 1:

Average throughput: 859.50 Mbit/s

95th percentile per-packet one-way delay: 21.557 ms

Loss rate: 0.54%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-09 02:50:34

End at: 2018-08-09 02:51:04

Local clock offset: -5.535 ms

Remote clock offset: -0.597 ms

Below is generated by plot.py at 2018-08-09 06:37:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 898.78 Mbit/s

95th percentile per-packet one-way delay: 24.336 ms

Loss rate: 0.32%

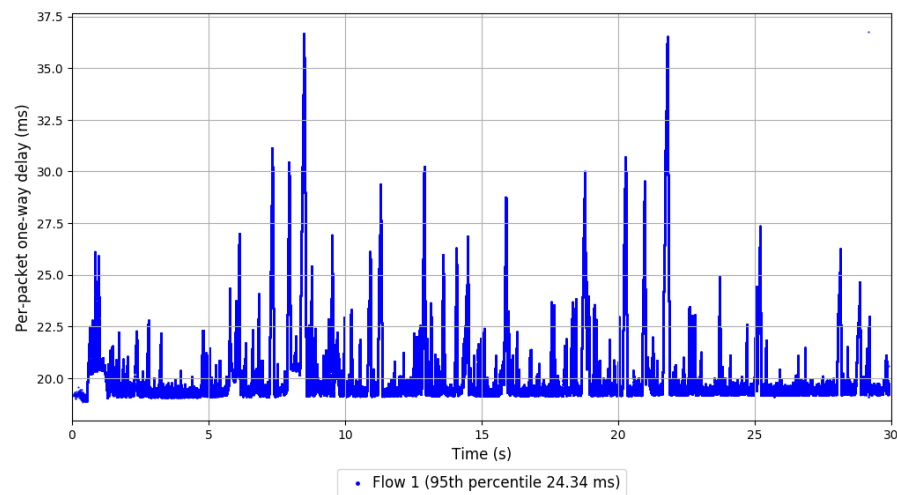
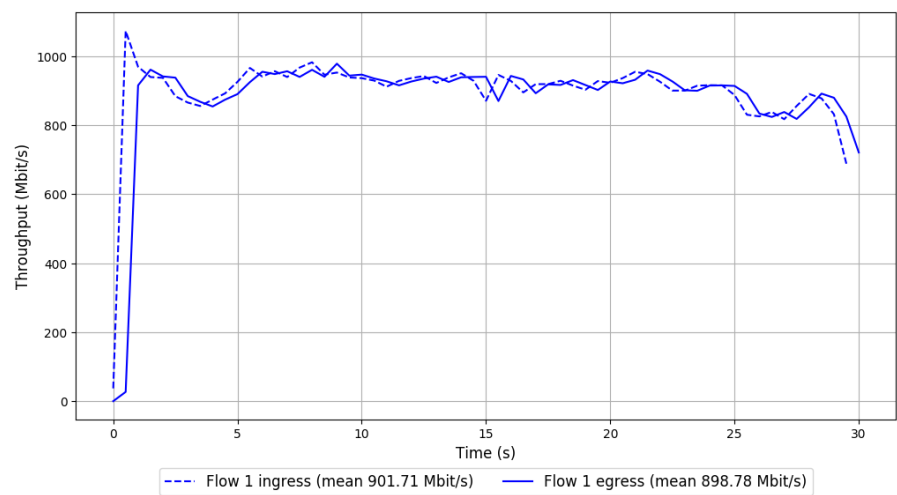
-- Flow 1:

Average throughput: 898.78 Mbit/s

95th percentile per-packet one-way delay: 24.336 ms

Loss rate: 0.32%

Run 5: Report of PCC-Allegro — Data Link

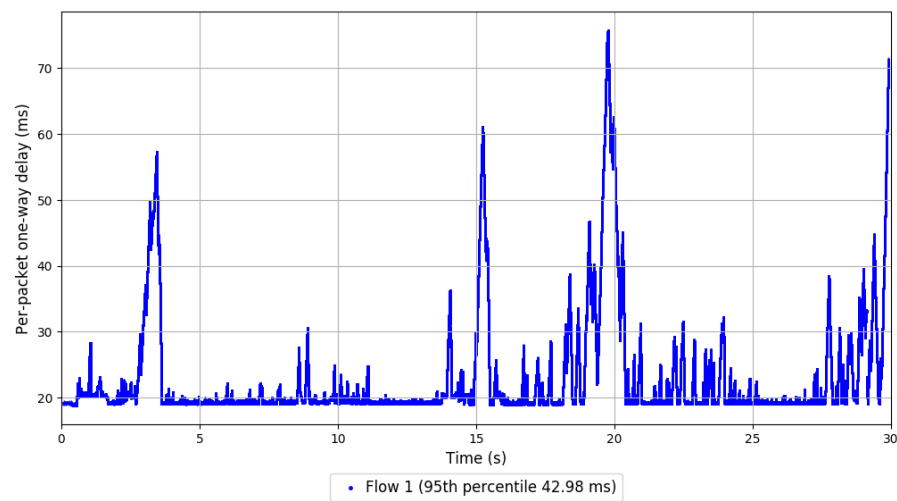
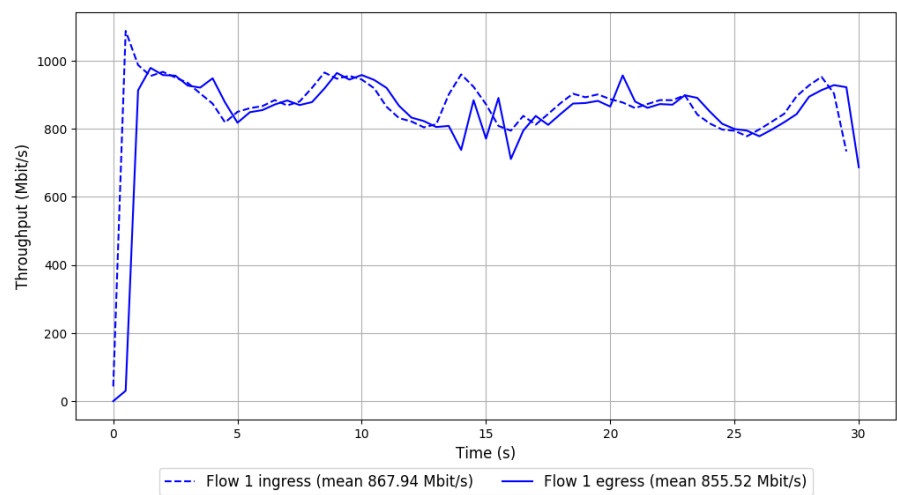


Run 6: Statistics of PCC-Allegro

Start at: 2018-08-09 03:16:09
End at: 2018-08-09 03:16:39
Local clock offset: -2.348 ms
Remote clock offset: -0.424 ms

Below is generated by plot.py at 2018-08-09 06:38:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 855.52 Mbit/s
95th percentile per-packet one-way delay: 42.981 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 855.52 Mbit/s
95th percentile per-packet one-way delay: 42.981 ms
Loss rate: 1.43%

Run 6: Report of PCC-Allegro — Data Link

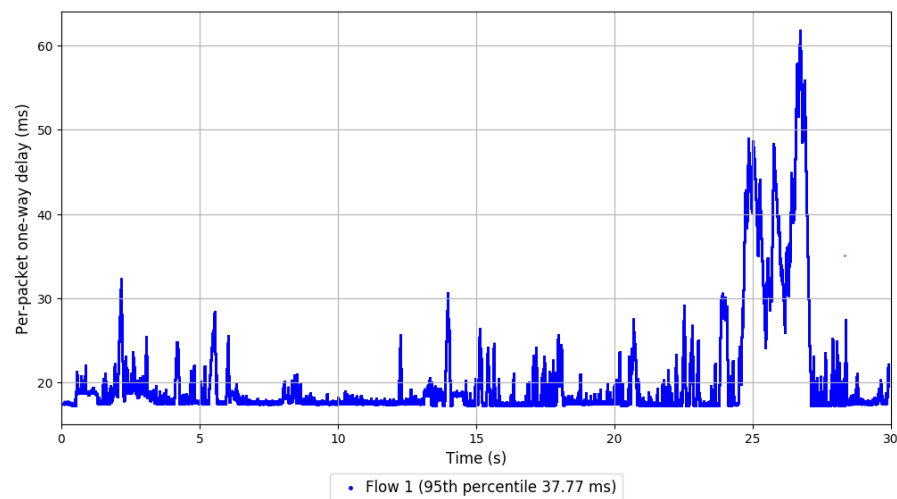
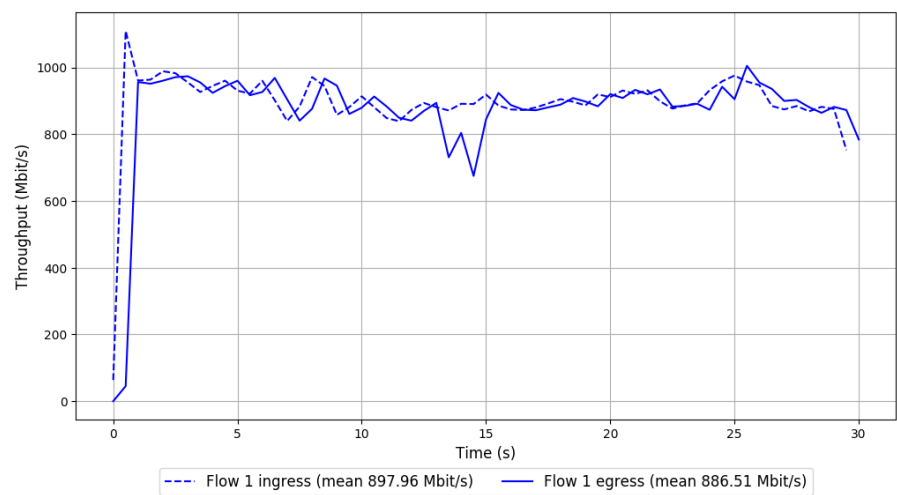


Run 7: Statistics of PCC-Allegro

Start at: 2018-08-09 03:41:46
End at: 2018-08-09 03:42:16
Local clock offset: -1.113 ms
Remote clock offset: -2.663 ms

Below is generated by plot.py at 2018-08-09 06:39:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 886.51 Mbit/s
95th percentile per-packet one-way delay: 37.774 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 886.51 Mbit/s
95th percentile per-packet one-way delay: 37.774 ms
Loss rate: 1.27%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-09 04:07:27

End at: 2018-08-09 04:07:57

Local clock offset: 3.211 ms

Remote clock offset: 4.044 ms

Below is generated by plot.py at 2018-08-09 06:39:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 859.33 Mbit/s

95th percentile per-packet one-way delay: 46.299 ms

Loss rate: 1.37%

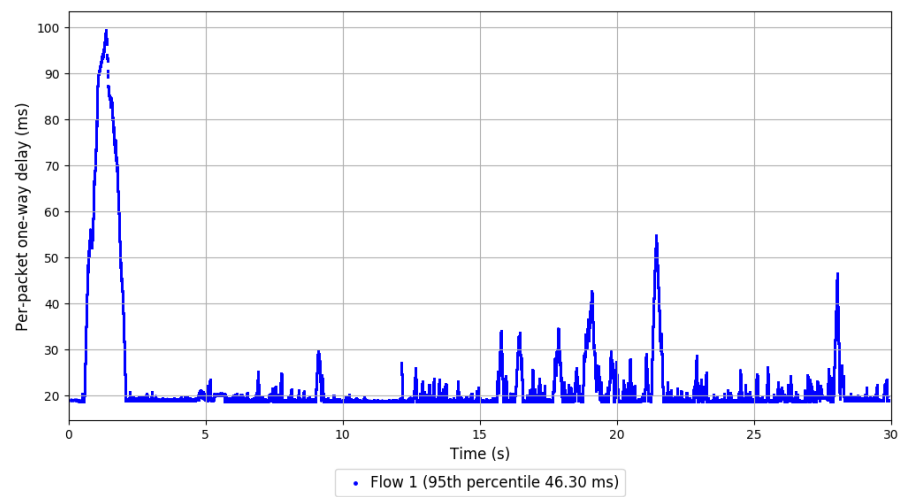
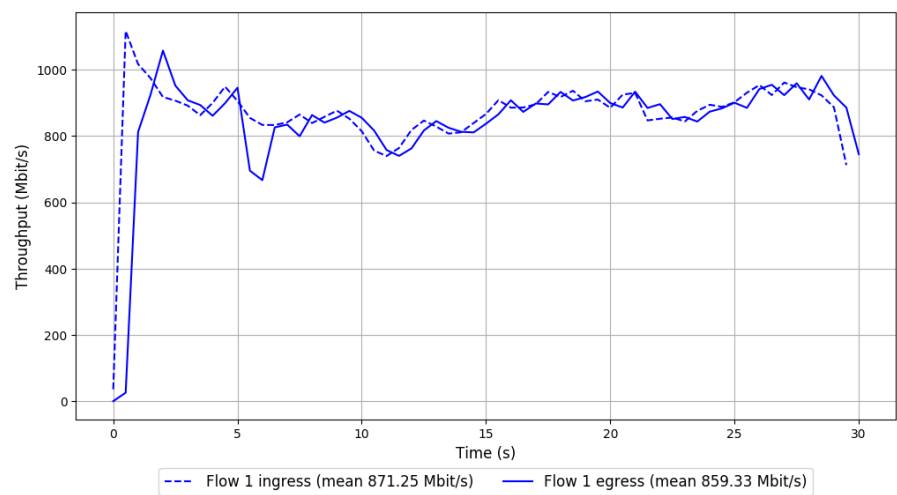
-- Flow 1:

Average throughput: 859.33 Mbit/s

95th percentile per-packet one-way delay: 46.299 ms

Loss rate: 1.37%

Run 8: Report of PCC-Allegro — Data Link

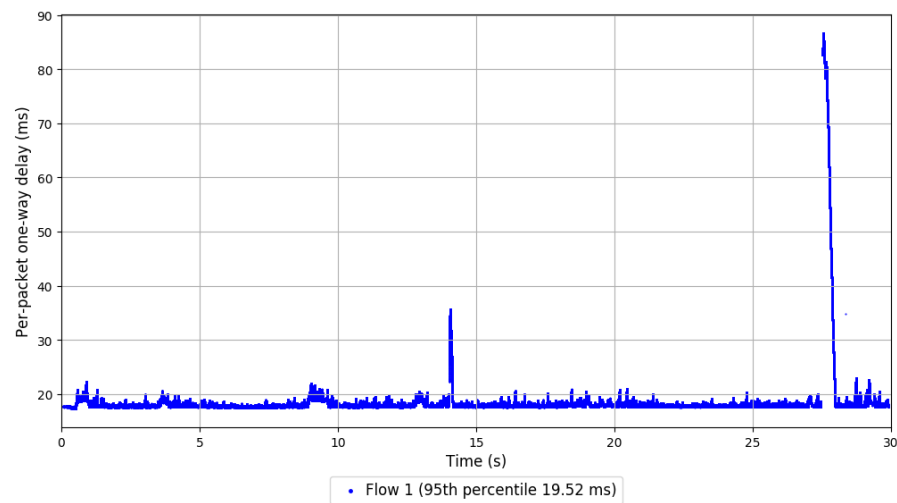
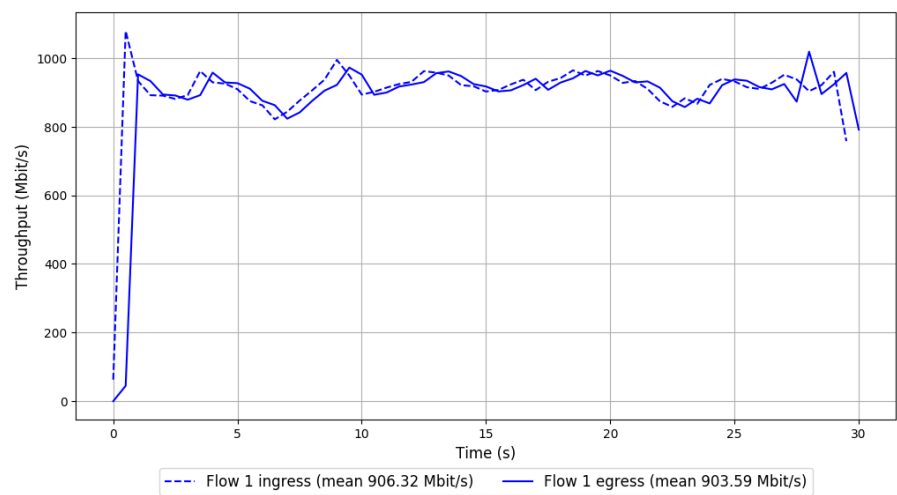


Run 9: Statistics of PCC-Allegro

Start at: 2018-08-09 04:33:11
End at: 2018-08-09 04:33:41
Local clock offset: 3.306 ms
Remote clock offset: -1.762 ms

Below is generated by plot.py at 2018-08-09 06:45:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 903.59 Mbit/s
95th percentile per-packet one-way delay: 19.525 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 903.59 Mbit/s
95th percentile per-packet one-way delay: 19.525 ms
Loss rate: 0.30%

Run 9: Report of PCC-Allegro — Data Link

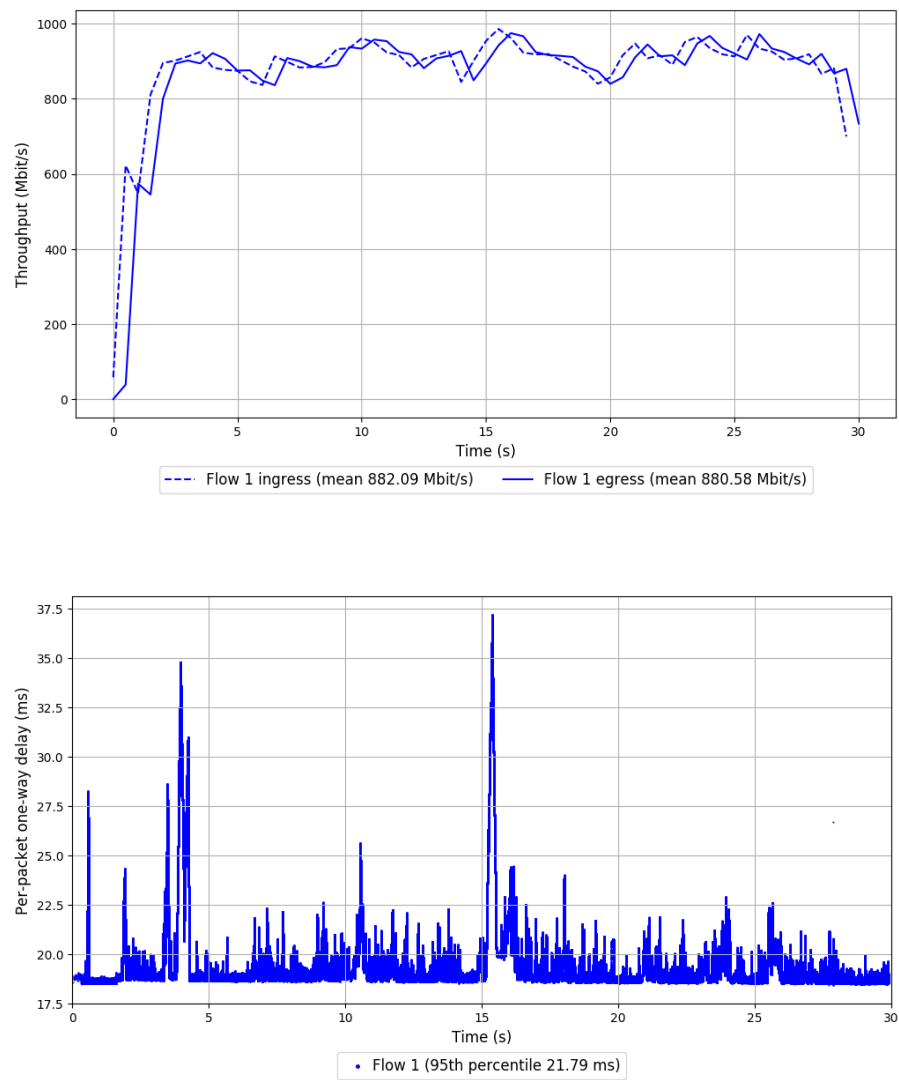


Run 10: Statistics of PCC-Allegro

Start at: 2018-08-09 04:58:51
End at: 2018-08-09 04:59:21
Local clock offset: 0.048 ms
Remote clock offset: -1.714 ms

Below is generated by plot.py at 2018-08-09 06:46:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 880.58 Mbit/s
95th percentile per-packet one-way delay: 21.792 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 880.58 Mbit/s
95th percentile per-packet one-way delay: 21.792 ms
Loss rate: 0.17%

Run 10: Report of PCC-Allegro — Data Link

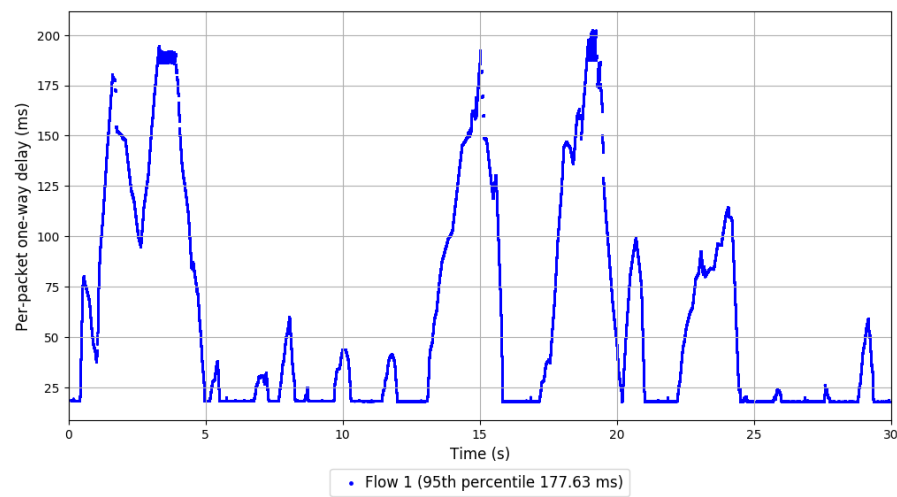
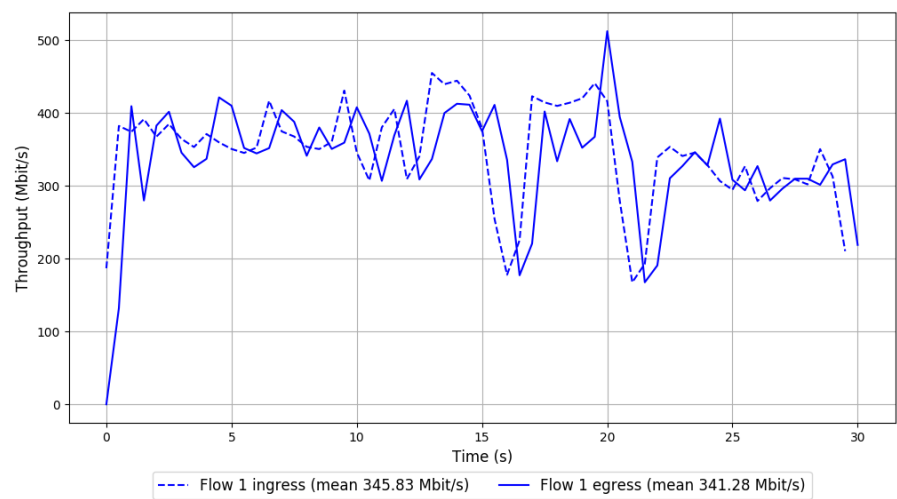


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-09 01:14:57
End at: 2018-08-09 01:15:27
Local clock offset: -30.39 ms
Remote clock offset: 3.376 ms

# Below is generated by plot.py at 2018-08-09 06:46:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 341.28 Mbit/s
95th percentile per-packet one-way delay: 177.635 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 341.28 Mbit/s
95th percentile per-packet one-way delay: 177.635 ms
Loss rate: 1.32%
```

Run 1: Report of PCC-Expr — Data Link

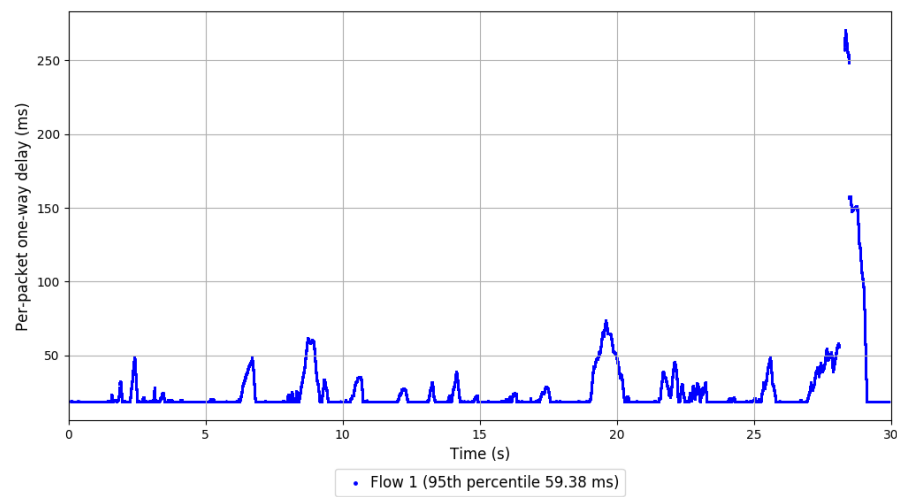
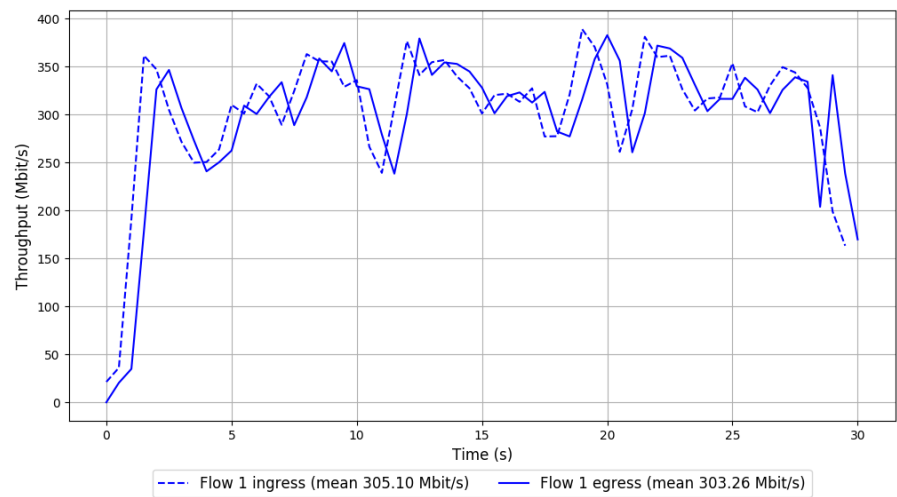


Run 2: Statistics of PCC-Expr

Start at: 2018-08-09 01:40:26
End at: 2018-08-09 01:40:56
Local clock offset: -10.578 ms
Remote clock offset: -1.961 ms

Below is generated by plot.py at 2018-08-09 06:46:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 303.26 Mbit/s
95th percentile per-packet one-way delay: 59.378 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 303.26 Mbit/s
95th percentile per-packet one-way delay: 59.378 ms
Loss rate: 0.61%

Run 2: Report of PCC-Expr — Data Link

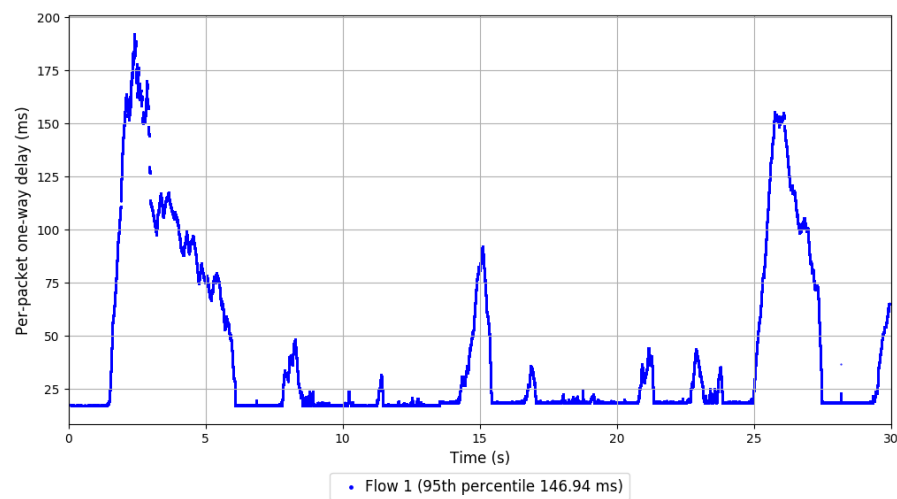
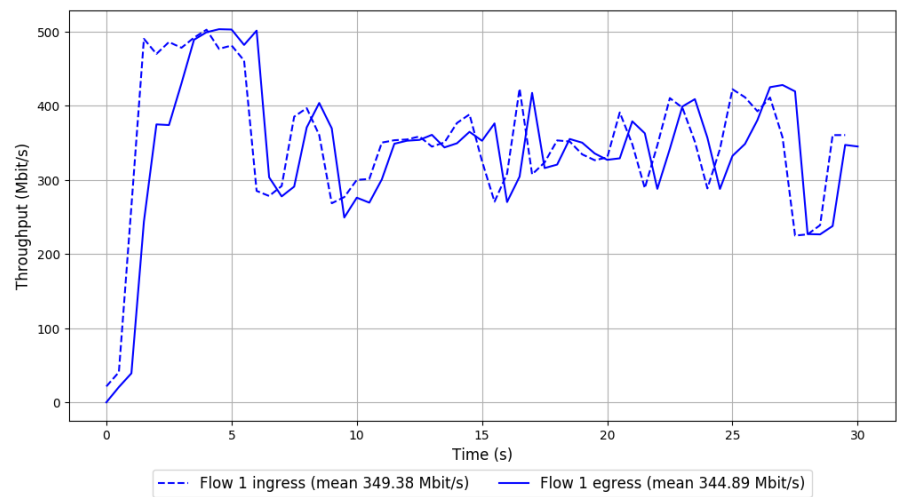


Run 3: Statistics of PCC-Expr

Start at: 2018-08-09 02:05:52
End at: 2018-08-09 02:06:22
Local clock offset: -6.918 ms
Remote clock offset: -5.021 ms

Below is generated by plot.py at 2018-08-09 06:46:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 344.89 Mbit/s
95th percentile per-packet one-way delay: 146.942 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 344.89 Mbit/s
95th percentile per-packet one-way delay: 146.942 ms
Loss rate: 1.28%

Run 3: Report of PCC-Expr — Data Link

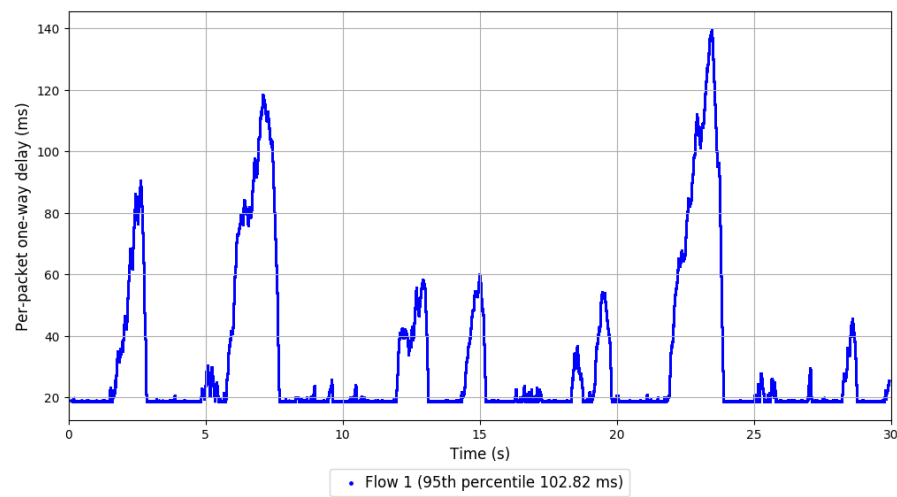
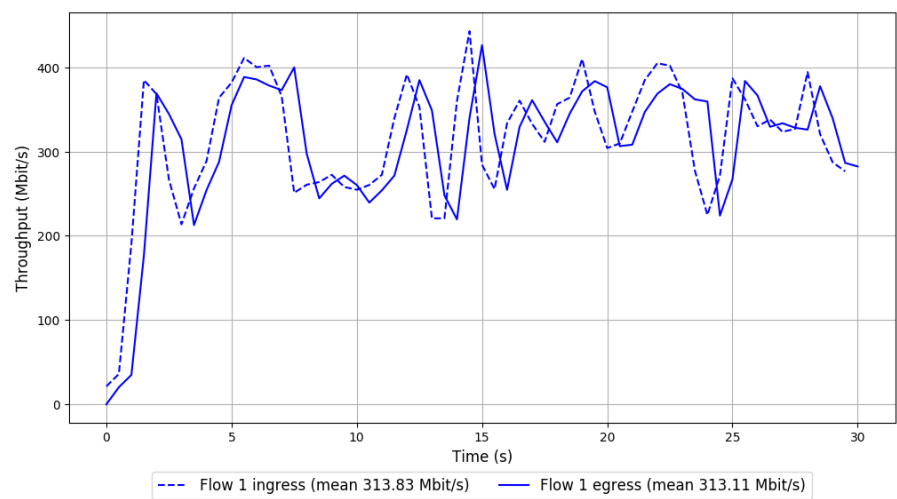


Run 4: Statistics of PCC-Expr

Start at: 2018-08-09 02:31:28
End at: 2018-08-09 02:31:58
Local clock offset: -6.765 ms
Remote clock offset: -6.567 ms

Below is generated by plot.py at 2018-08-09 06:46:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 313.11 Mbit/s
95th percentile per-packet one-way delay: 102.824 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 313.11 Mbit/s
95th percentile per-packet one-way delay: 102.824 ms
Loss rate: 0.24%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-08-09 02:56:50

End at: 2018-08-09 02:57:20

Local clock offset: -3.229 ms

Remote clock offset: 0.591 ms

Below is generated by plot.py at 2018-08-09 06:46:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 336.52 Mbit/s

95th percentile per-packet one-way delay: 97.095 ms

Loss rate: 0.35%

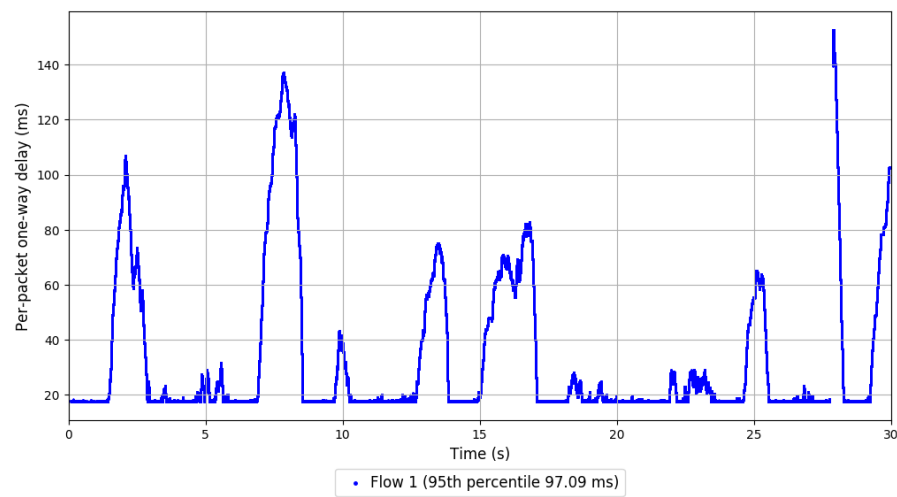
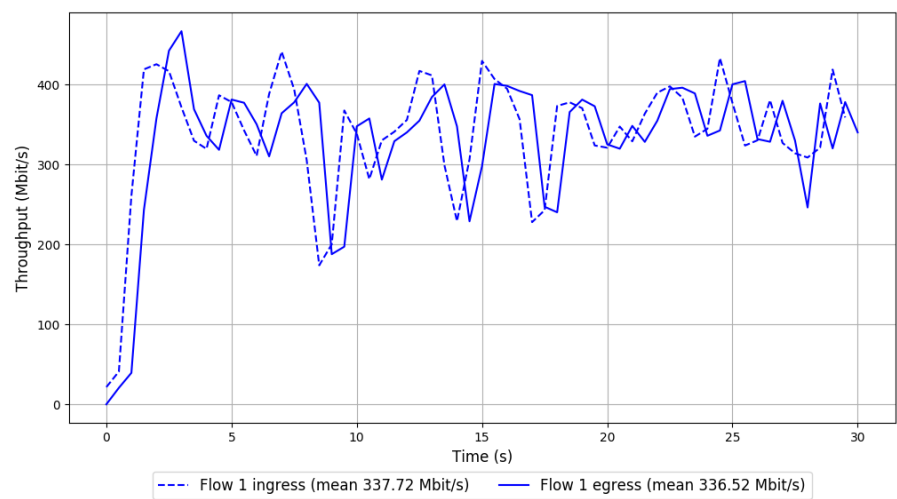
-- Flow 1:

Average throughput: 336.52 Mbit/s

95th percentile per-packet one-way delay: 97.095 ms

Loss rate: 0.35%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-08-09 03:22:22

End at: 2018-08-09 03:22:52

Local clock offset: -1.303 ms

Remote clock offset: -1.68 ms

Below is generated by plot.py at 2018-08-09 06:47:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 347.53 Mbit/s

95th percentile per-packet one-way delay: 148.598 ms

Loss rate: 0.57%

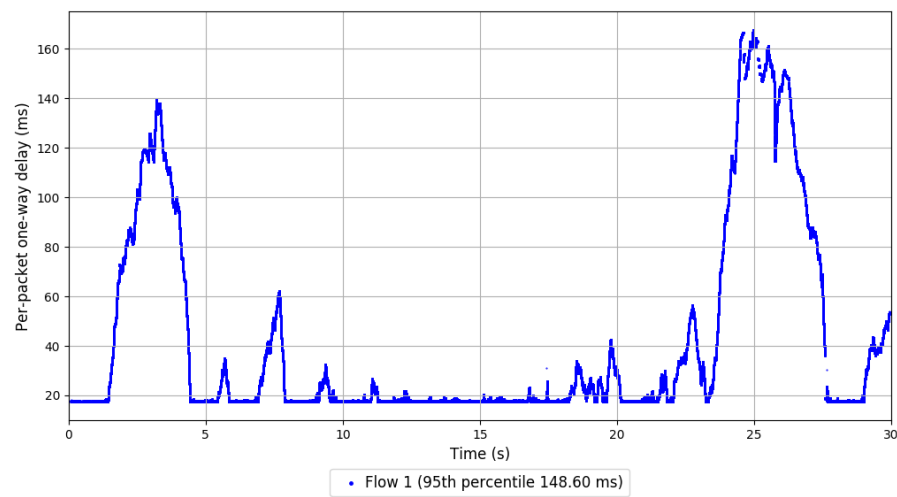
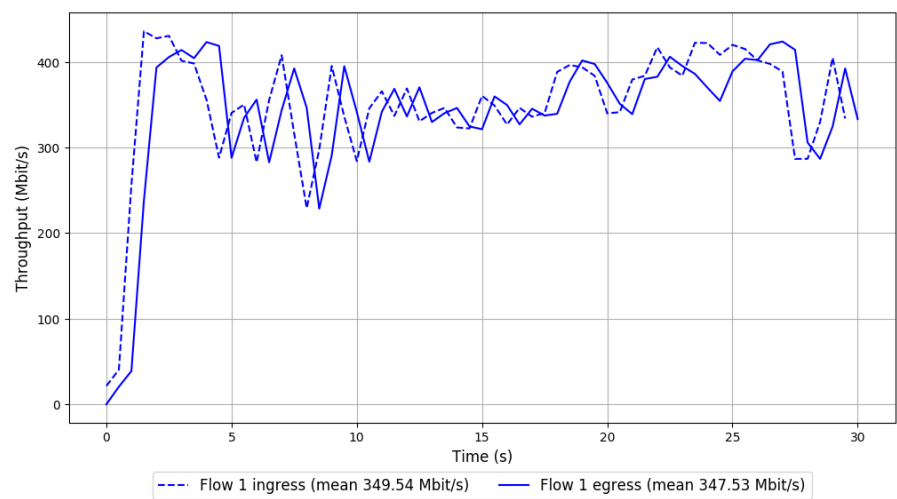
-- Flow 1:

Average throughput: 347.53 Mbit/s

95th percentile per-packet one-way delay: 148.598 ms

Loss rate: 0.57%

Run 6: Report of PCC-Expr — Data Link

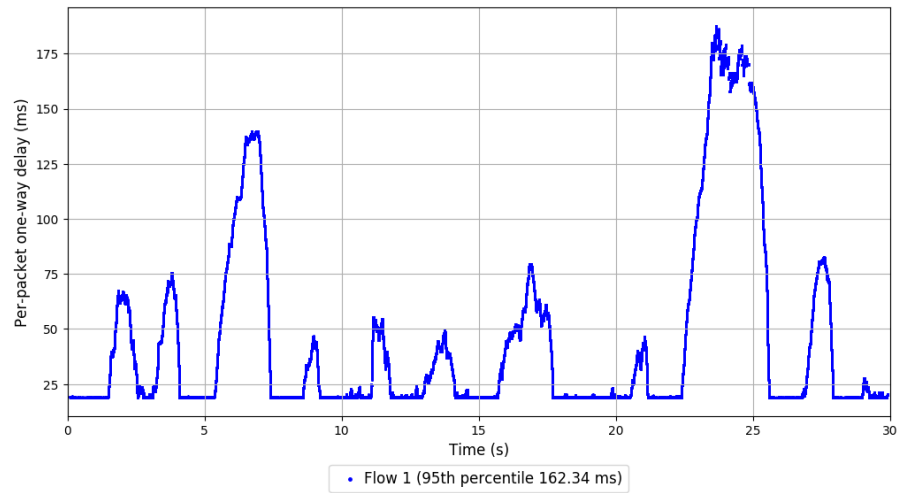
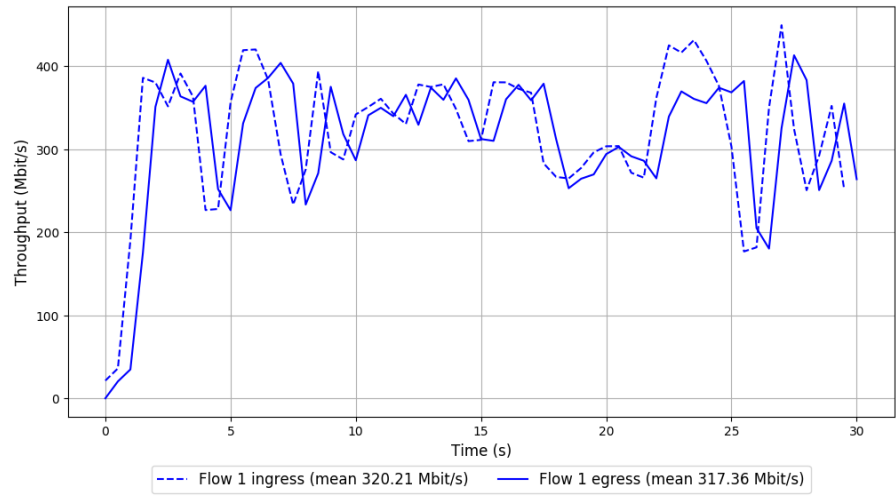


Run 7: Statistics of PCC-Expr

Start at: 2018-08-09 03:48:05
End at: 2018-08-09 03:48:35
Local clock offset: -0.223 ms
Remote clock offset: -0.685 ms

Below is generated by plot.py at 2018-08-09 06:50:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 317.36 Mbit/s
95th percentile per-packet one-way delay: 162.342 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 317.36 Mbit/s
95th percentile per-packet one-way delay: 162.342 ms
Loss rate: 0.89%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-08-09 04:13:42

End at: 2018-08-09 04:14:12

Local clock offset: 3.549 ms

Remote clock offset: 4.8 ms

Below is generated by plot.py at 2018-08-09 06:51:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 352.13 Mbit/s

95th percentile per-packet one-way delay: 54.231 ms

Loss rate: 0.36%

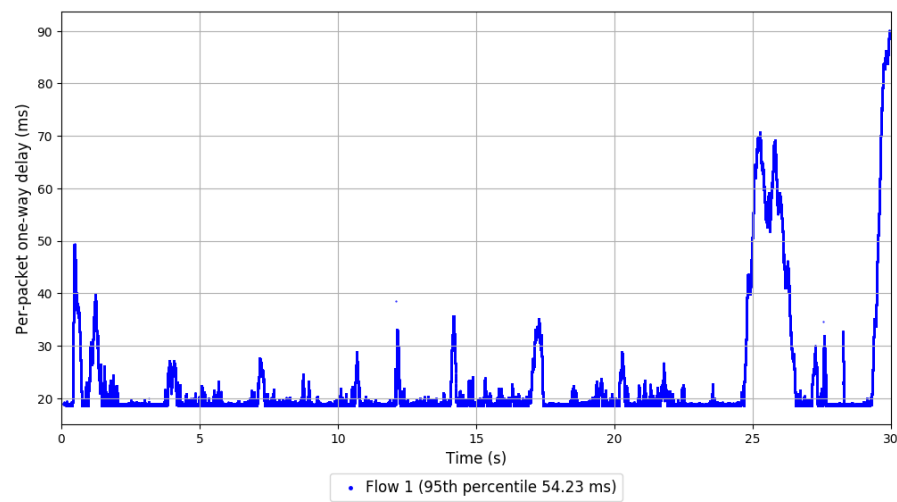
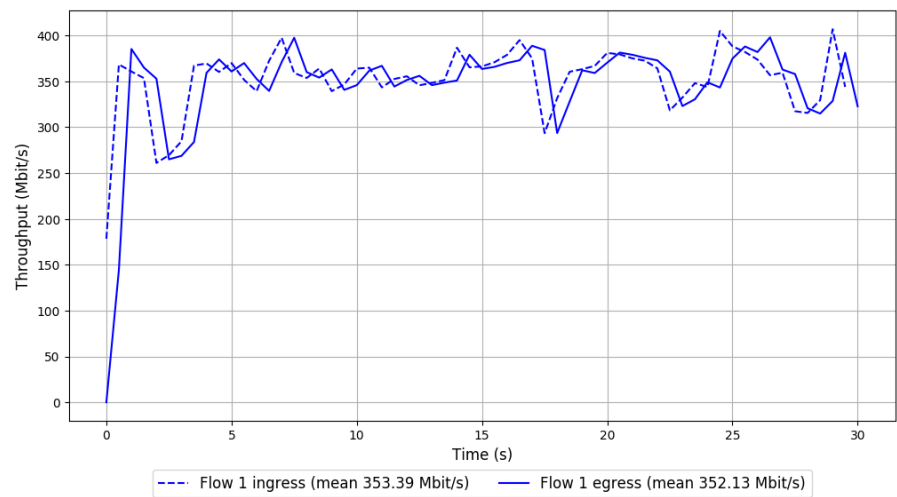
-- Flow 1:

Average throughput: 352.13 Mbit/s

95th percentile per-packet one-way delay: 54.231 ms

Loss rate: 0.36%

Run 8: Report of PCC-Expr — Data Link

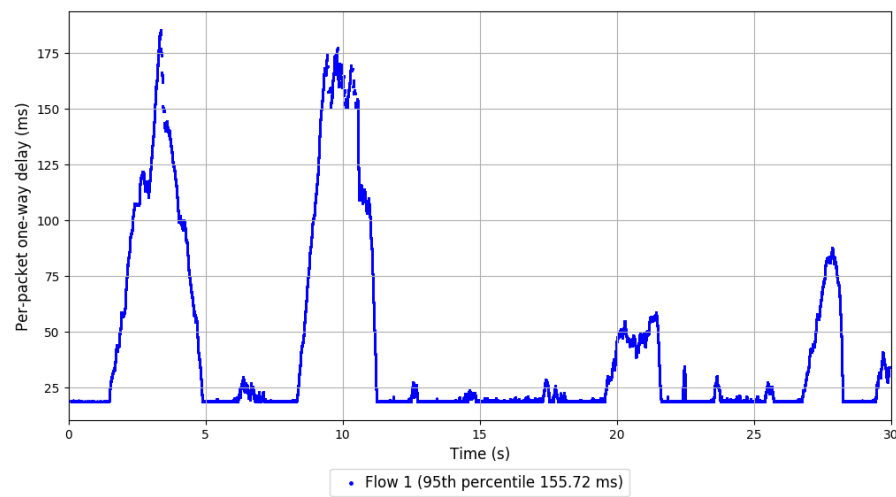
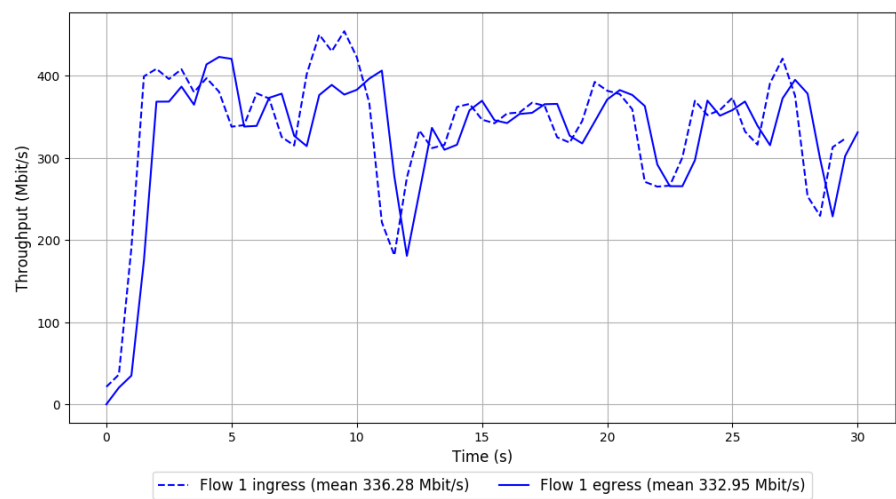


Run 9: Statistics of PCC-Expr

Start at: 2018-08-09 04:39:21
End at: 2018-08-09 04:39:51
Local clock offset: 3.448 ms
Remote clock offset: -2.752 ms

Below is generated by plot.py at 2018-08-09 06:51:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 332.95 Mbit/s
95th percentile per-packet one-way delay: 155.715 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 332.95 Mbit/s
95th percentile per-packet one-way delay: 155.715 ms
Loss rate: 0.99%

Run 9: Report of PCC-Expr — Data Link

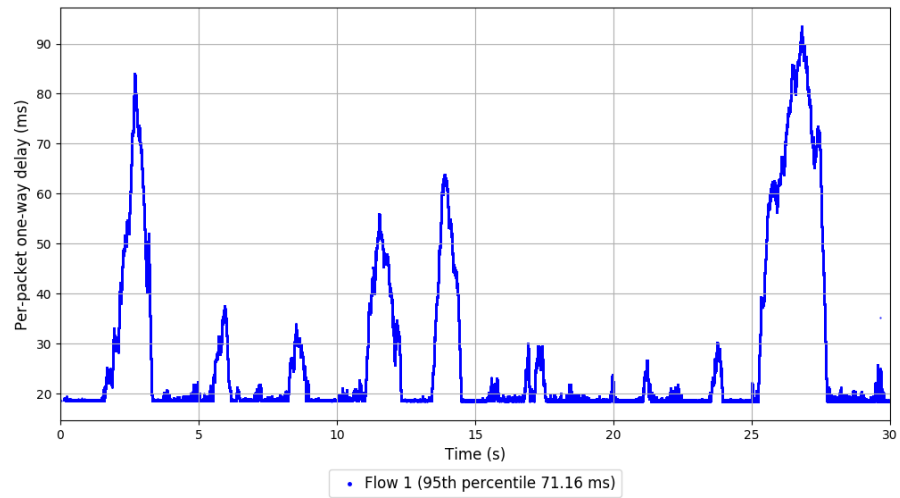
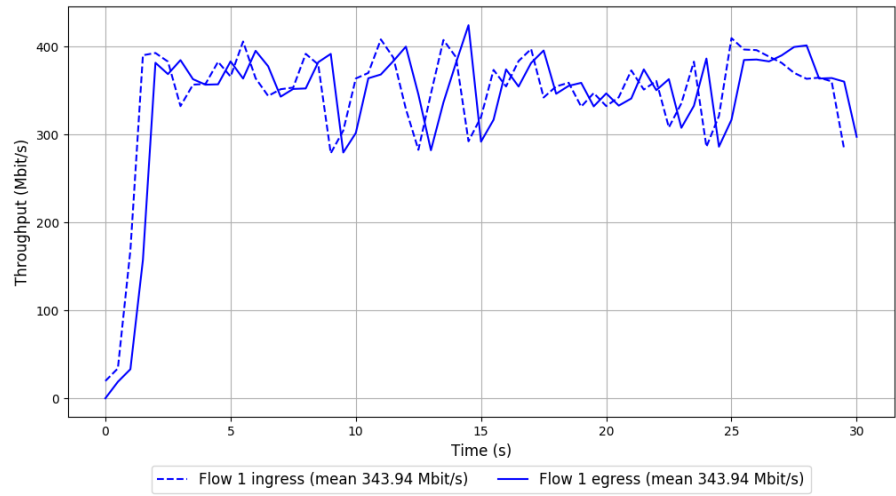


Run 10: Statistics of PCC-Expr

Start at: 2018-08-09 05:05:18
End at: 2018-08-09 05:05:48
Local clock offset: -0.692 ms
Remote clock offset: -0.457 ms

Below is generated by plot.py at 2018-08-09 06:52:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 343.94 Mbit/s
95th percentile per-packet one-way delay: 71.157 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 343.94 Mbit/s
95th percentile per-packet one-way delay: 71.157 ms
Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link

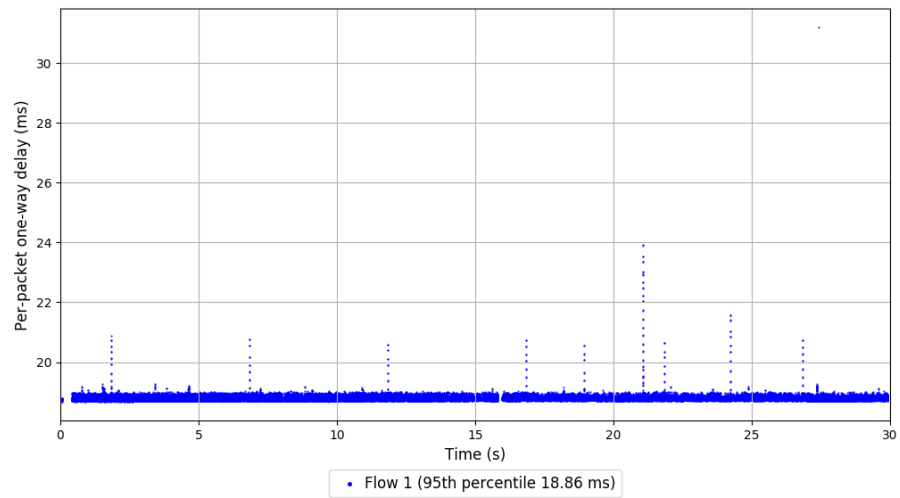
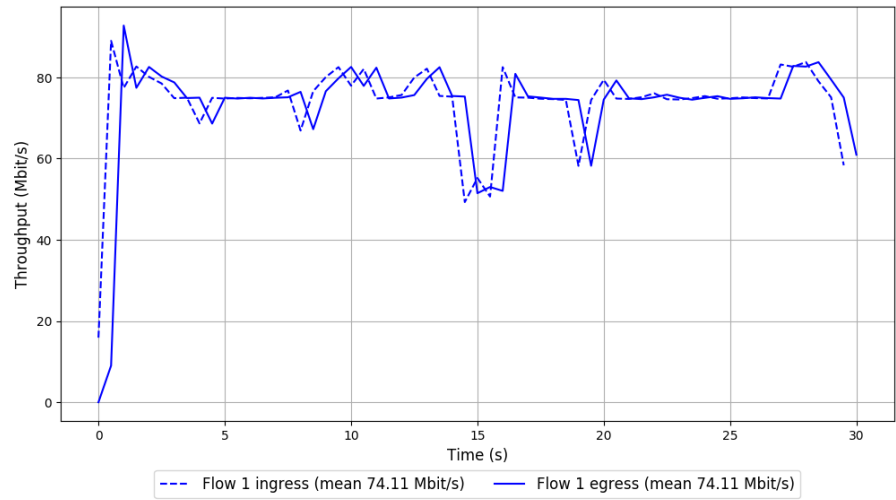


Run 1: Statistics of QUIC Cubic

Start at: 2018-08-09 01:00:27
End at: 2018-08-09 01:00:57
Local clock offset: -23.306 ms
Remote clock offset: 3.63 ms

Below is generated by plot.py at 2018-08-09 06:52:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.11 Mbit/s
95th percentile per-packet one-way delay: 18.864 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 74.11 Mbit/s
95th percentile per-packet one-way delay: 18.864 ms
Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link

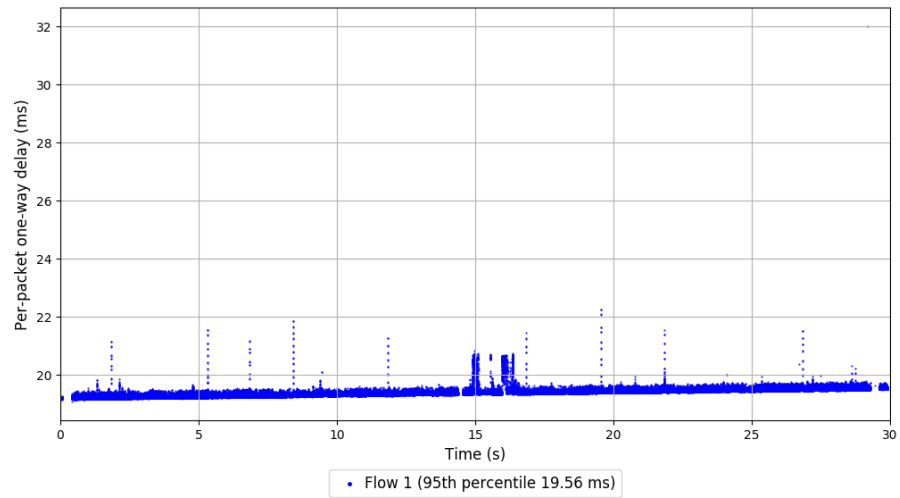
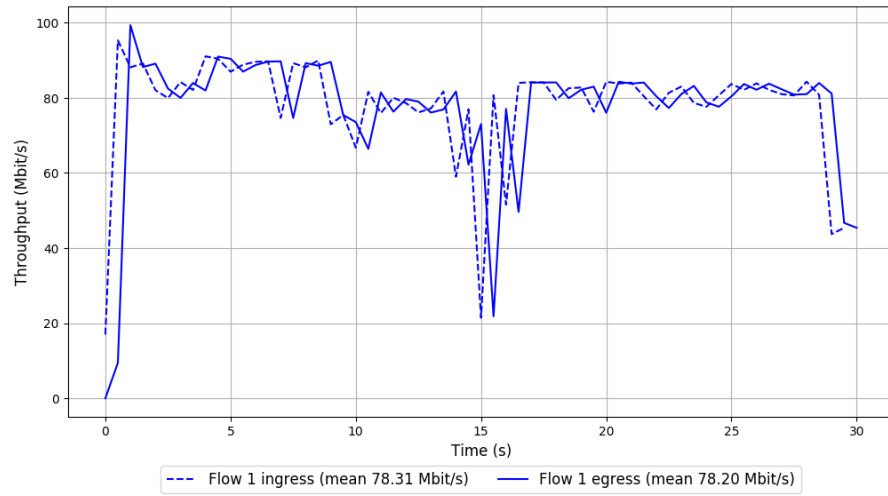


Run 2: Statistics of QUIC Cubic

Start at: 2018-08-09 01:25:35
End at: 2018-08-09 01:26:05
Local clock offset: -12.766 ms
Remote clock offset: 3.645 ms

Below is generated by plot.py at 2018-08-09 06:52:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.20 Mbit/s
95th percentile per-packet one-way delay: 19.562 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 78.20 Mbit/s
95th percentile per-packet one-way delay: 19.562 ms
Loss rate: 0.13%

Run 2: Report of QUIC Cubic — Data Link

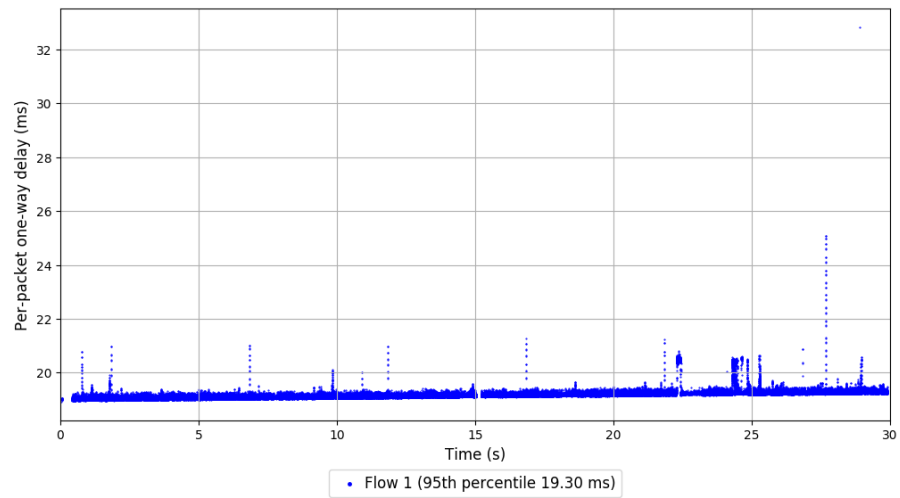
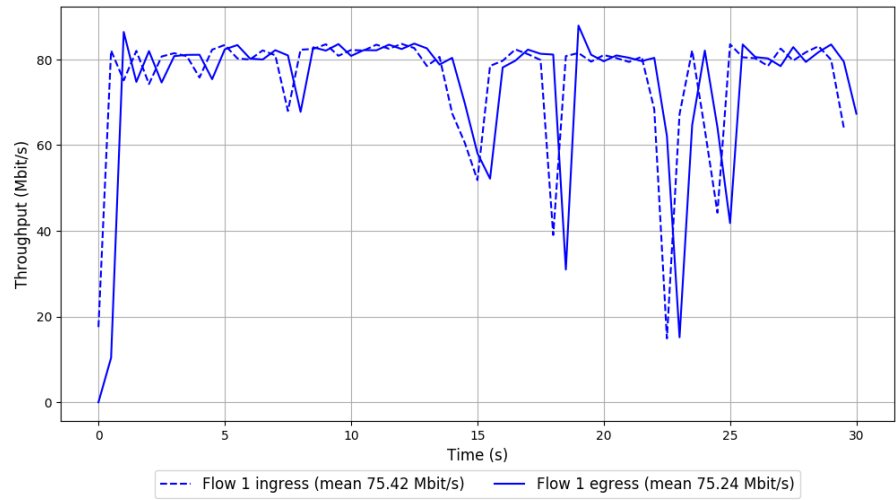


Run 3: Statistics of QUIC Cubic

Start at: 2018-08-09 01:51:03
End at: 2018-08-09 01:51:33
Local clock offset: -8.266 ms
Remote clock offset: -3.755 ms

Below is generated by plot.py at 2018-08-09 06:52:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.24 Mbit/s
95th percentile per-packet one-way delay: 19.305 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 75.24 Mbit/s
95th percentile per-packet one-way delay: 19.305 ms
Loss rate: 0.23%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-08-09 02:16:29

End at: 2018-08-09 02:16:59

Local clock offset: -8.974 ms

Remote clock offset: -5.665 ms

Below is generated by plot.py at 2018-08-09 06:52:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.23 Mbit/s

95th percentile per-packet one-way delay: 19.372 ms

Loss rate: 0.00%

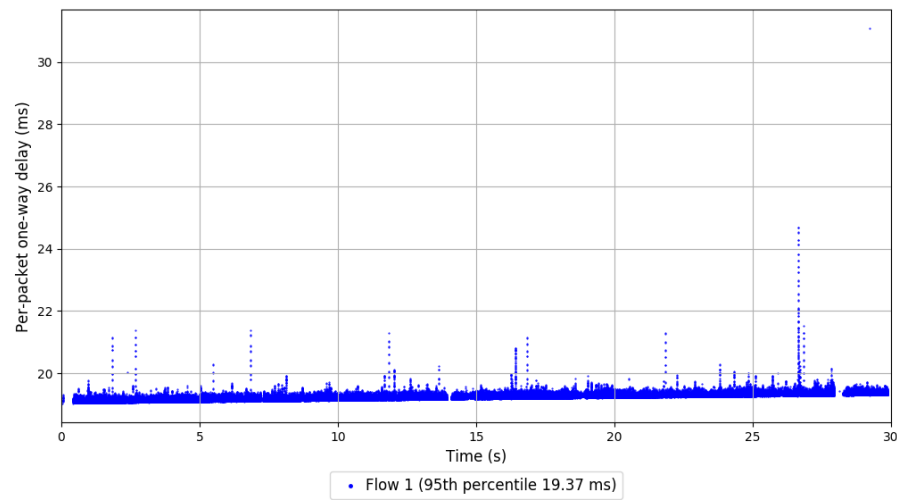
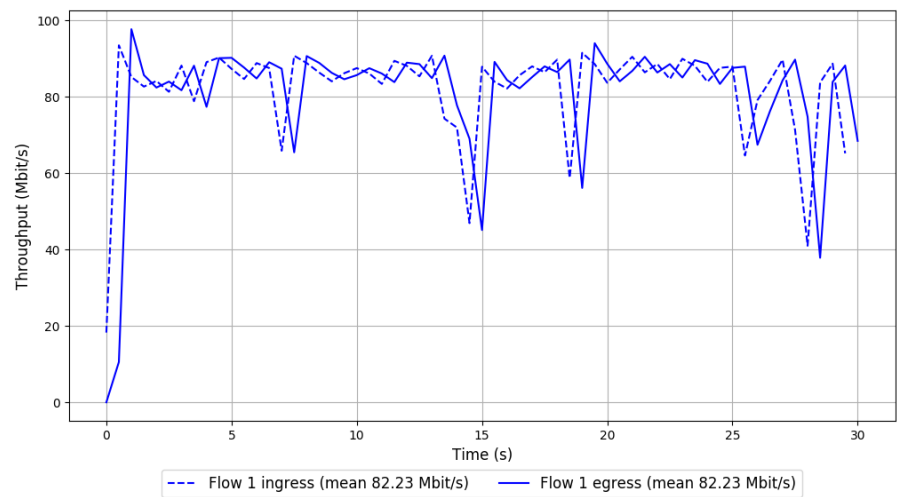
-- Flow 1:

Average throughput: 82.23 Mbit/s

95th percentile per-packet one-way delay: 19.372 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

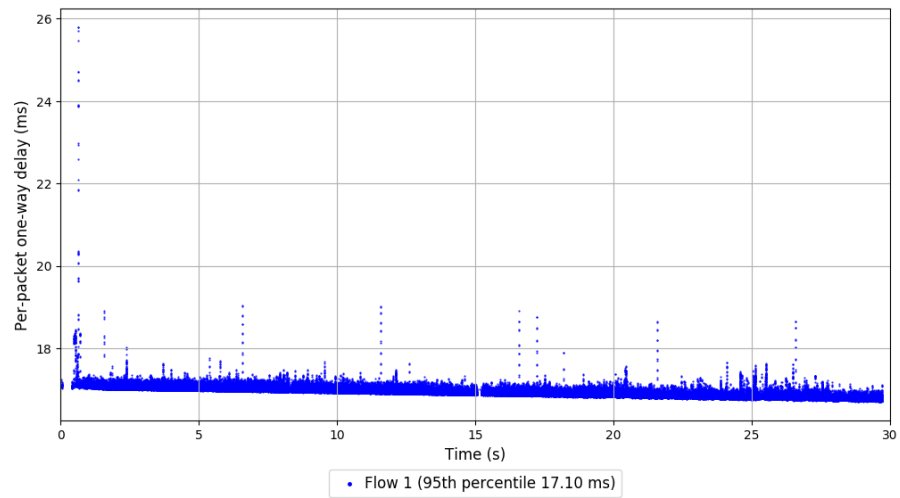
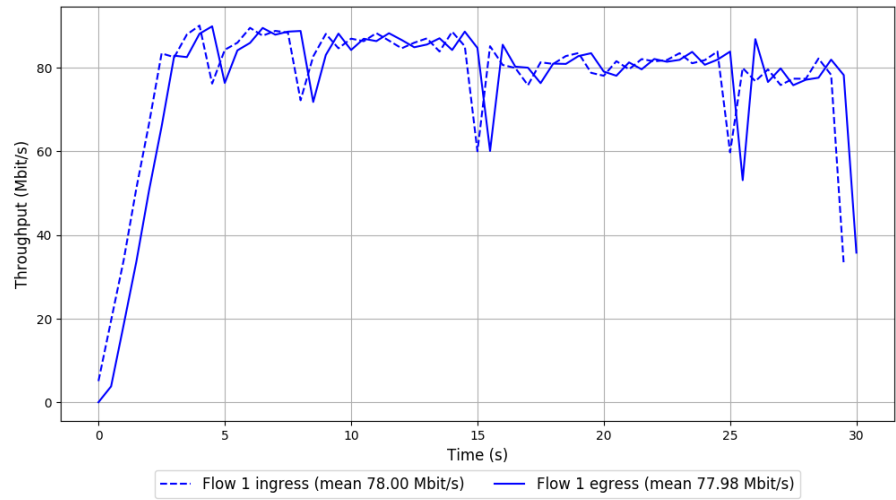


Run 5: Statistics of QUIC Cubic

Start at: 2018-08-09 02:42:08
End at: 2018-08-09 02:42:38
Local clock offset: -8.357 ms
Remote clock offset: -3.358 ms

Below is generated by plot.py at 2018-08-09 06:52:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.98 Mbit/s
95th percentile per-packet one-way delay: 17.096 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 77.98 Mbit/s
95th percentile per-packet one-way delay: 17.096 ms
Loss rate: 0.03%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-08-09 03:07:27

End at: 2018-08-09 03:07:57

Local clock offset: -2.114 ms

Remote clock offset: 1.731 ms

Below is generated by plot.py at 2018-08-09 06:52:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.06 Mbit/s

95th percentile per-packet one-way delay: 18.832 ms

Loss rate: 0.00%

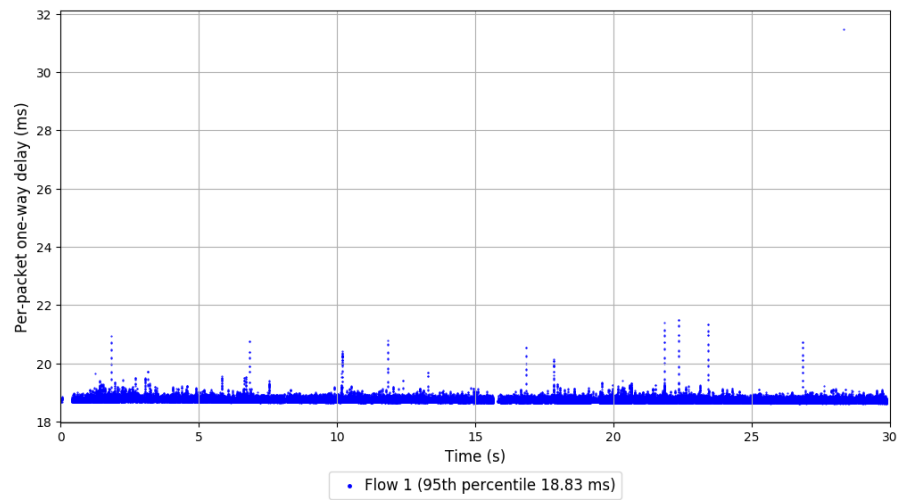
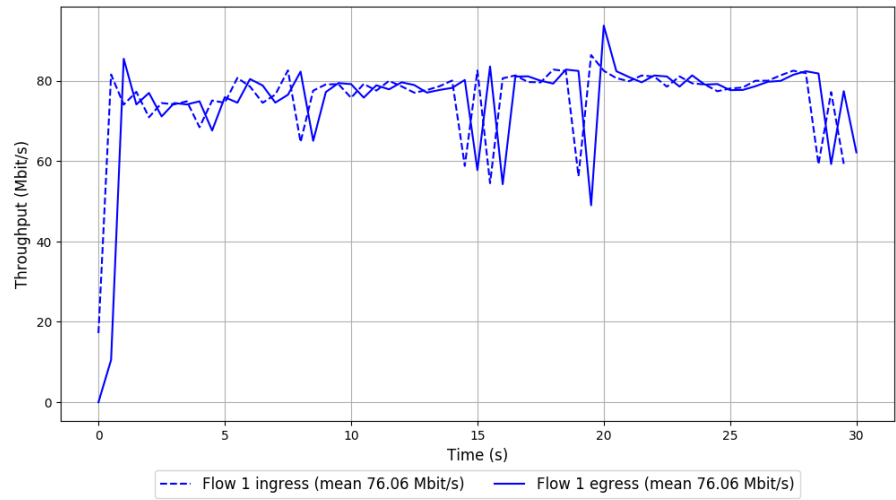
-- Flow 1:

Average throughput: 76.06 Mbit/s

95th percentile per-packet one-way delay: 18.832 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

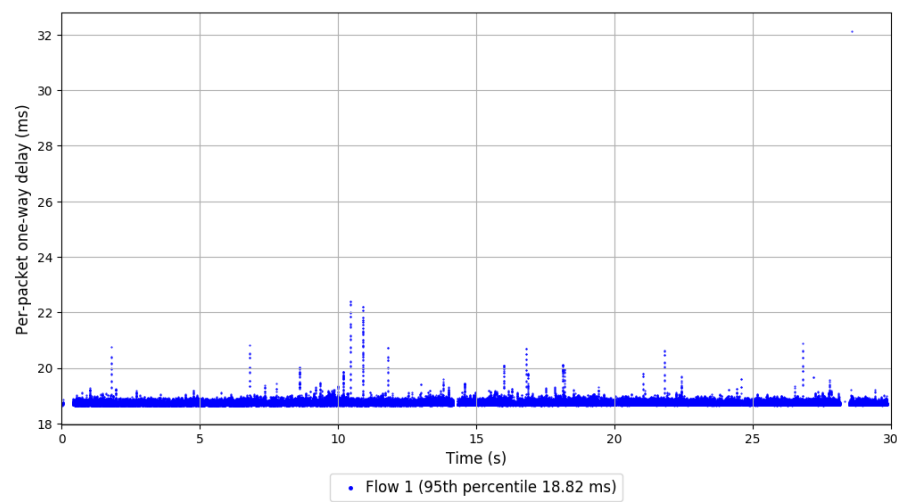
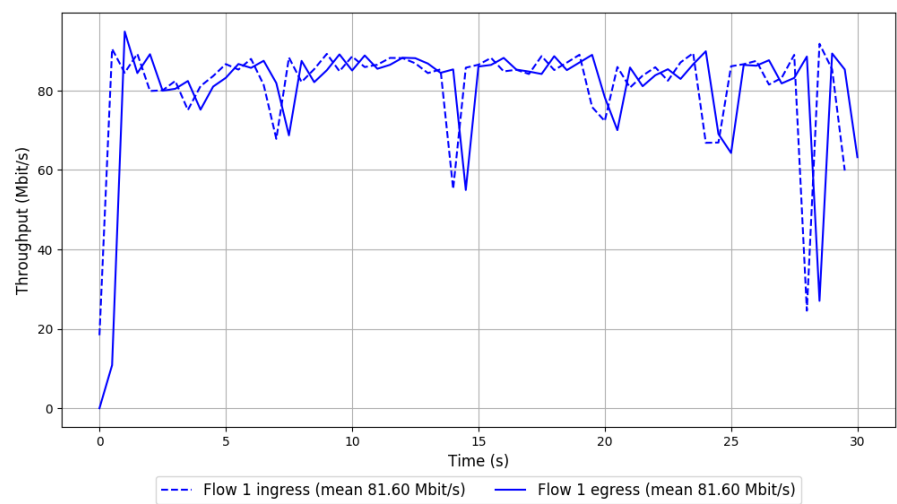


Run 7: Statistics of QUIC Cubic

Start at: 2018-08-09 03:33:00
End at: 2018-08-09 03:33:30
Local clock offset: -0.858 ms
Remote clock offset: -2.481 ms

Below is generated by plot.py at 2018-08-09 06:52:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.60 Mbit/s
95th percentile per-packet one-way delay: 18.815 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 81.60 Mbit/s
95th percentile per-packet one-way delay: 18.815 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-08-09 03:58:43

End at: 2018-08-09 03:59:13

Local clock offset: 2.469 ms

Remote clock offset: 2.68 ms

Below is generated by plot.py at 2018-08-09 06:52:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.98 Mbit/s

95th percentile per-packet one-way delay: 18.807 ms

Loss rate: 0.01%

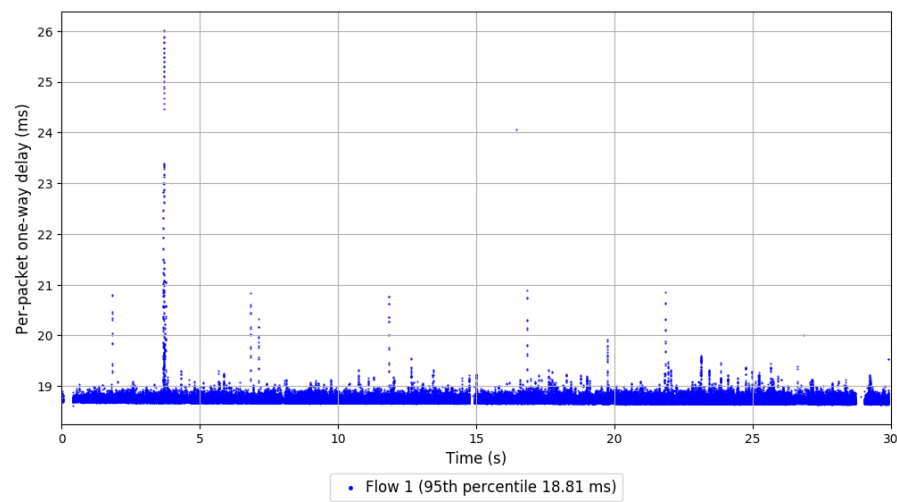
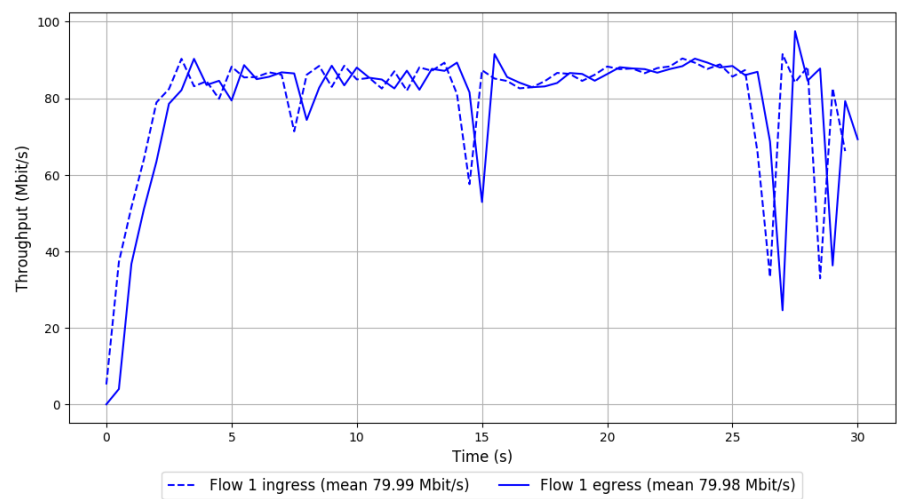
-- Flow 1:

Average throughput: 79.98 Mbit/s

95th percentile per-packet one-way delay: 18.807 ms

Loss rate: 0.01%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-08-09 04:24:29

End at: 2018-08-09 04:24:59

Local clock offset: 3.409 ms

Remote clock offset: 1.188 ms

Below is generated by plot.py at 2018-08-09 06:52:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.42 Mbit/s

95th percentile per-packet one-way delay: 19.028 ms

Loss rate: 0.03%

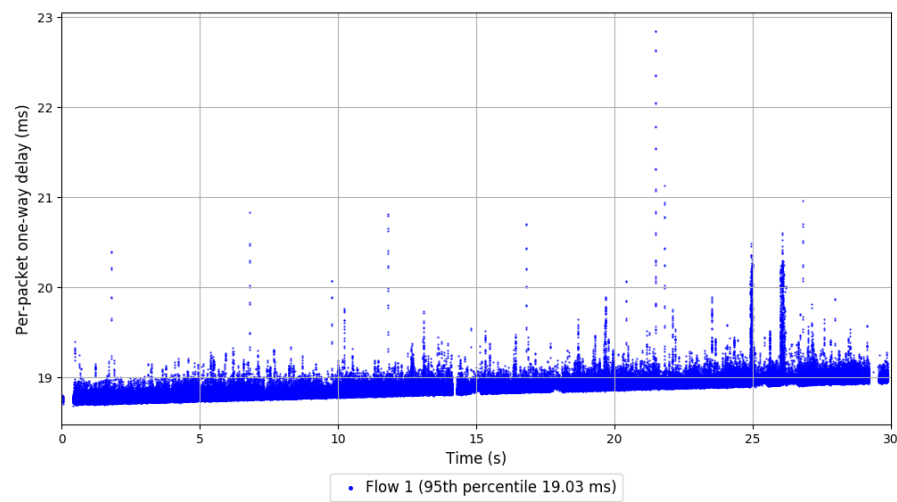
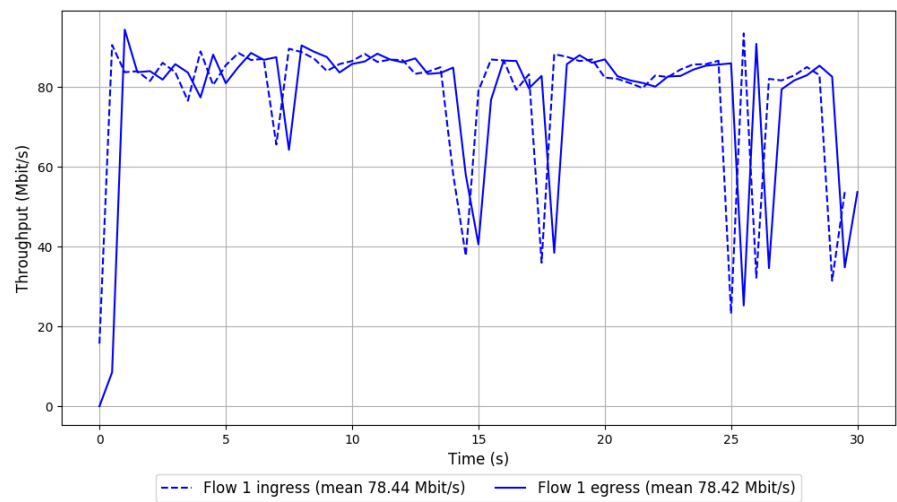
-- Flow 1:

Average throughput: 78.42 Mbit/s

95th percentile per-packet one-way delay: 19.028 ms

Loss rate: 0.03%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-08-09 04:50:09

End at: 2018-08-09 04:50:39

Local clock offset: 1.889 ms

Remote clock offset: -3.619 ms

Below is generated by plot.py at 2018-08-09 06:52:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.77 Mbit/s

95th percentile per-packet one-way delay: 18.727 ms

Loss rate: 0.02%

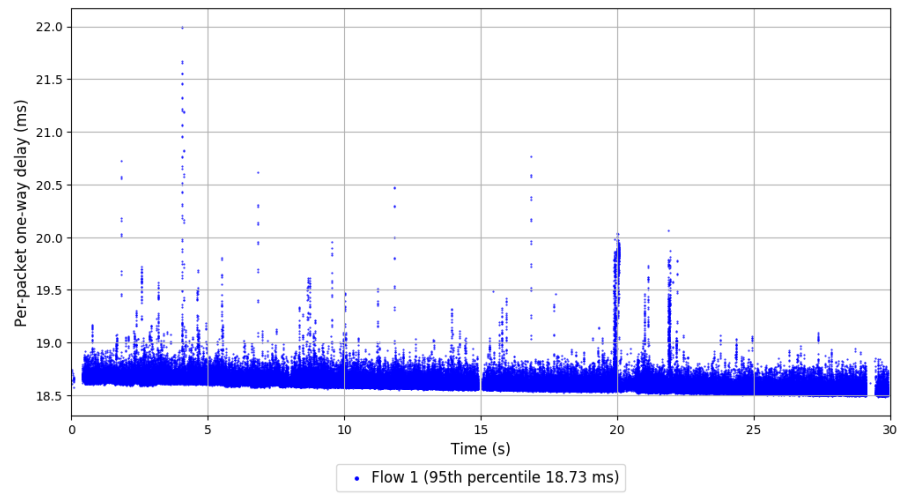
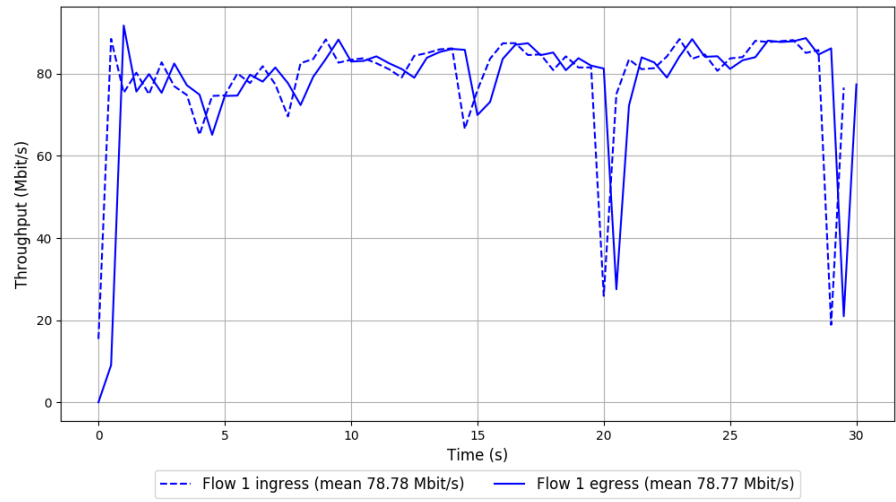
-- Flow 1:

Average throughput: 78.77 Mbit/s

95th percentile per-packet one-way delay: 18.727 ms

Loss rate: 0.02%

Run 10: Report of QUIC Cubic — Data Link

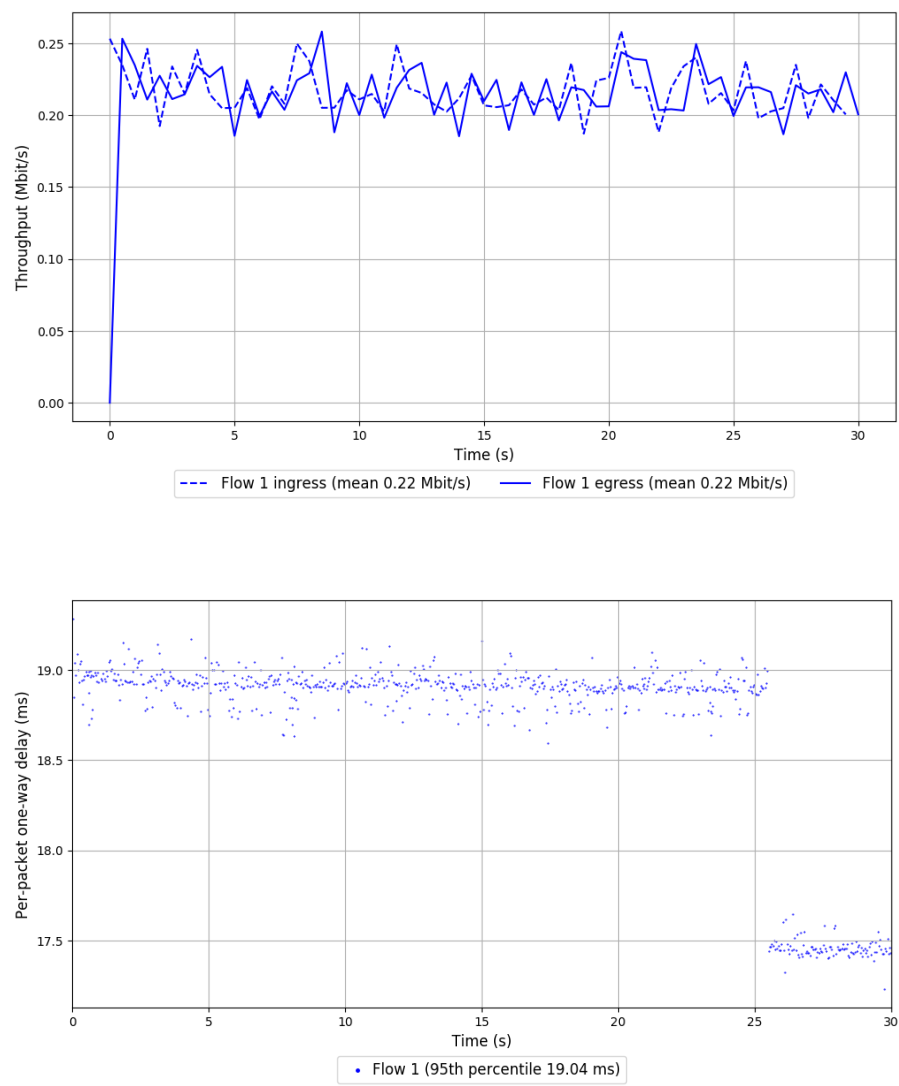


Run 1: Statistics of SCReAM

Start at: 2018-08-09 01:01:47
End at: 2018-08-09 01:02:17
Local clock offset: -23.339 ms
Remote clock offset: 3.542 ms

Below is generated by plot.py at 2018-08-09 06:52:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.037 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.037 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

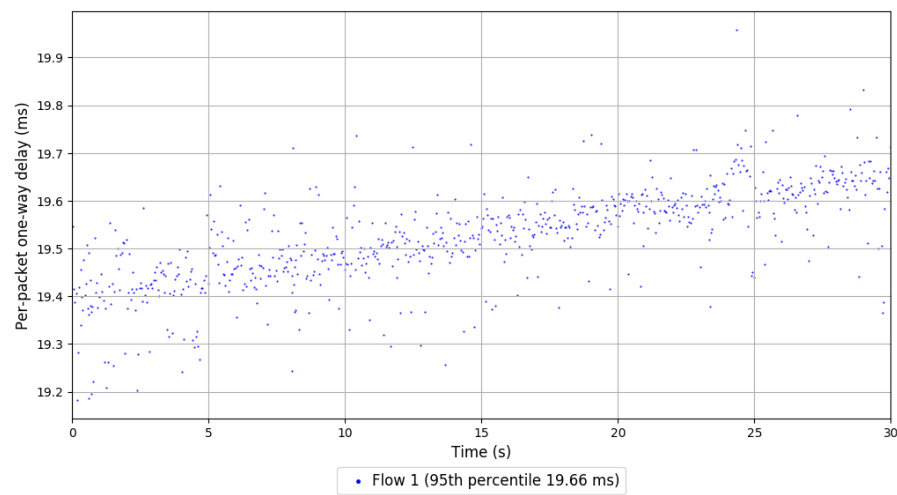
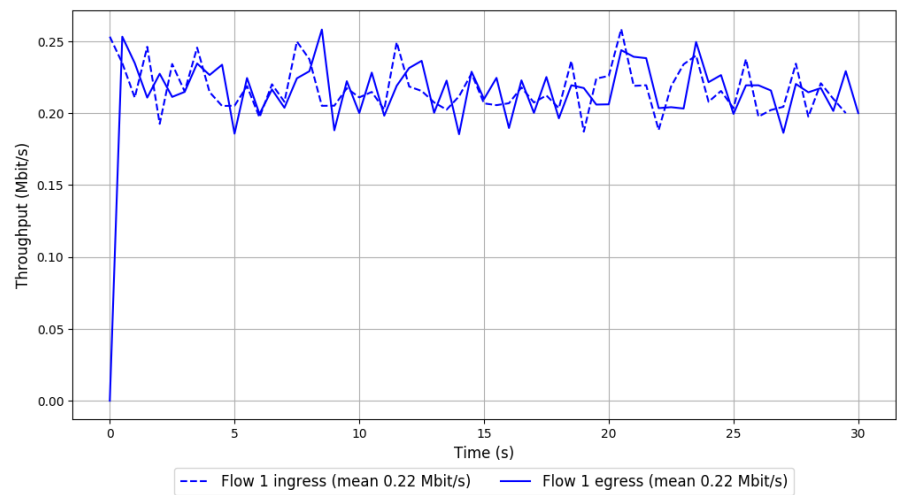


Run 2: Statistics of SCReAM

Start at: 2018-08-09 01:26:55
End at: 2018-08-09 01:27:25
Local clock offset: -11.802 ms
Remote clock offset: 3.686 ms

Below is generated by plot.py at 2018-08-09 06:52:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.665 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.665 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

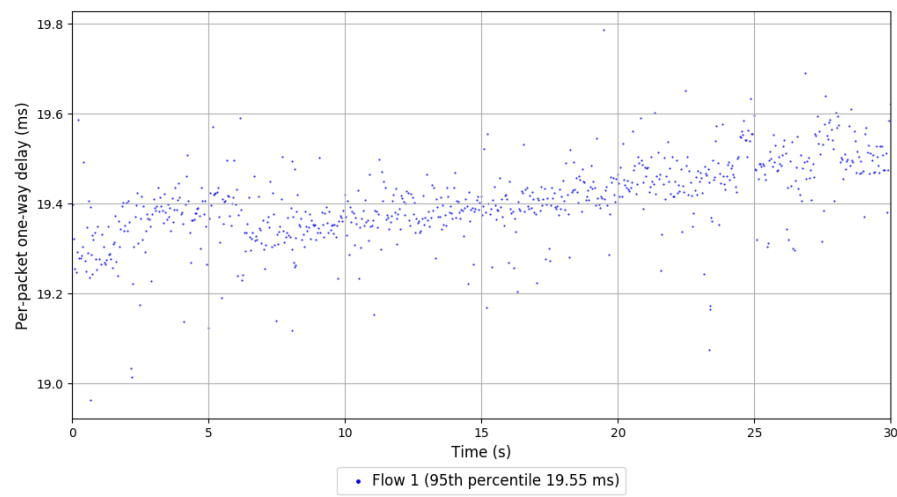
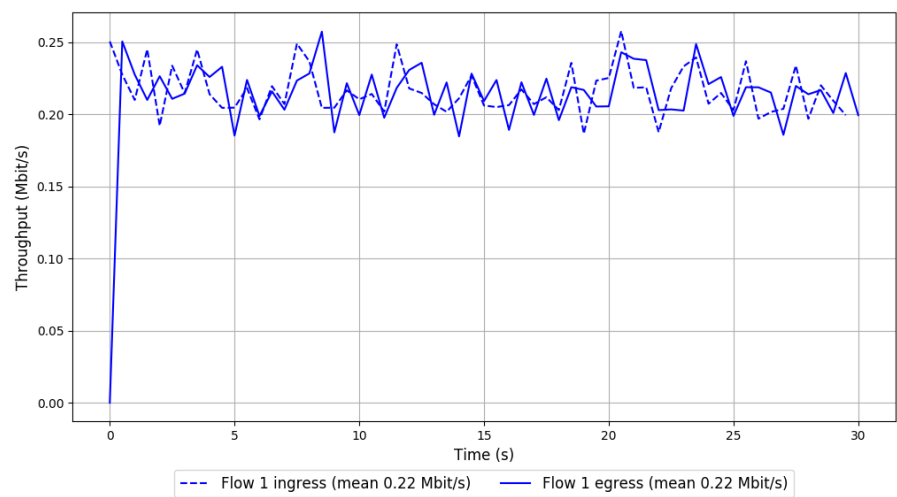


Run 3: Statistics of SCReAM

Start at: 2018-08-09 01:52:23
End at: 2018-08-09 01:52:53
Local clock offset: -7.777 ms
Remote clock offset: -3.952 ms

Below is generated by plot.py at 2018-08-09 06:52:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.553 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.553 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

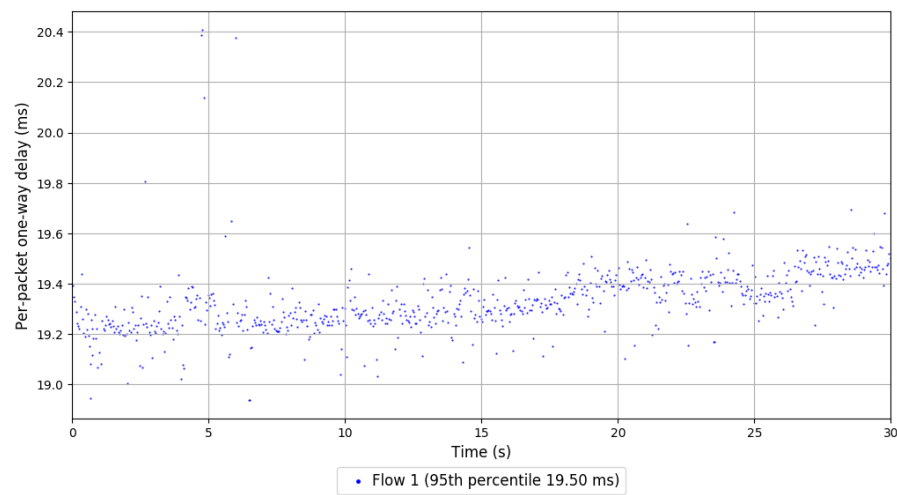
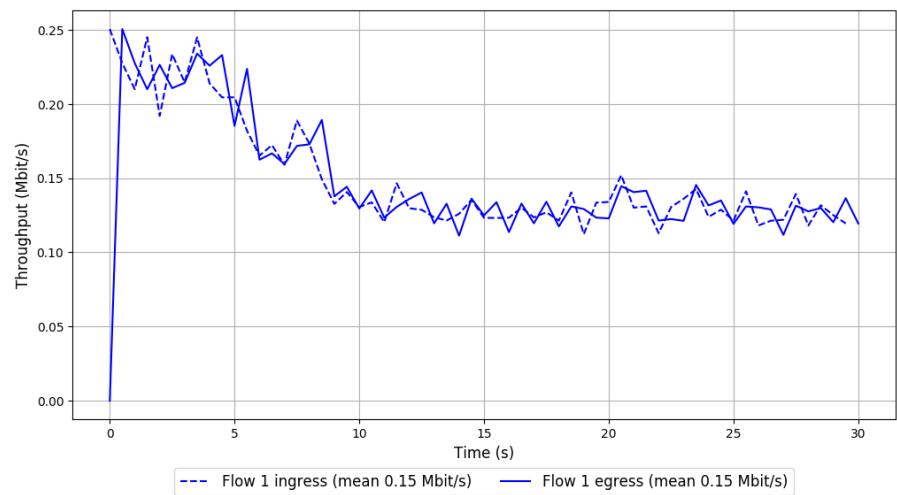


Run 4: Statistics of SCReAM

Start at: 2018-08-09 02:17:49
End at: 2018-08-09 02:18:19
Local clock offset: -8.326 ms
Remote clock offset: -5.857 ms

Below is generated by plot.py at 2018-08-09 06:52:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 19.495 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 19.495 ms
Loss rate: 0.20%

Run 4: Report of SReAM — Data Link

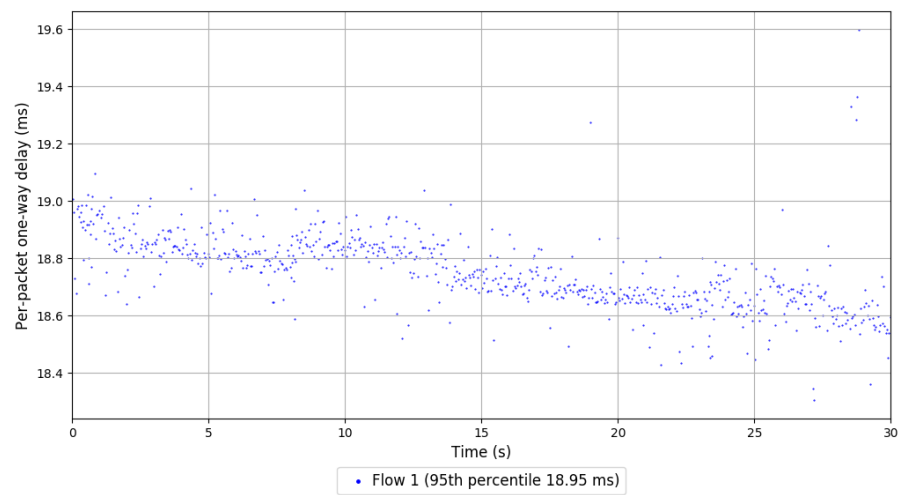
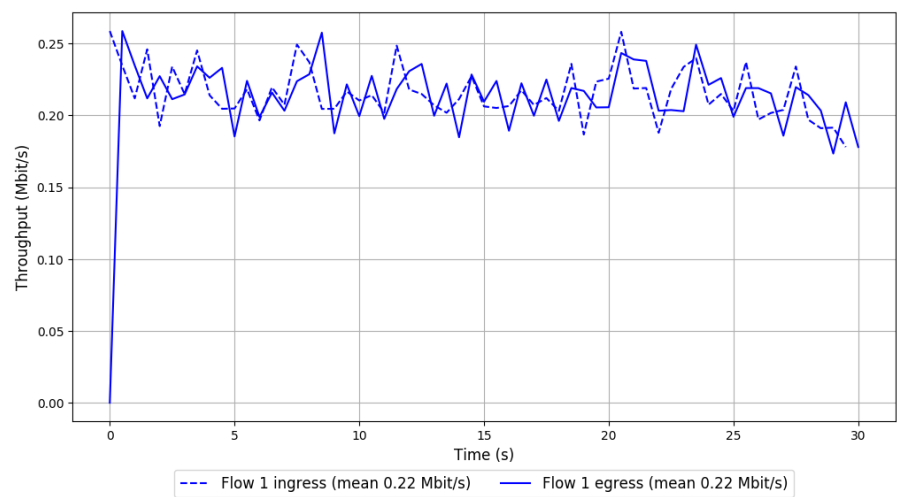


Run 5: Statistics of SCReAM

Start at: 2018-08-09 02:43:28
End at: 2018-08-09 02:43:58
Local clock offset: -8.499 ms
Remote clock offset: -2.627 ms

Below is generated by plot.py at 2018-08-09 06:52:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.951 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.951 ms
Loss rate: 0.10%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-08-09 03:08:47

End at: 2018-08-09 03:09:17

Local clock offset: -2.168 ms

Remote clock offset: 1.813 ms

Below is generated by plot.py at 2018-08-09 06:52:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 17.782 ms

Loss rate: 0.29%

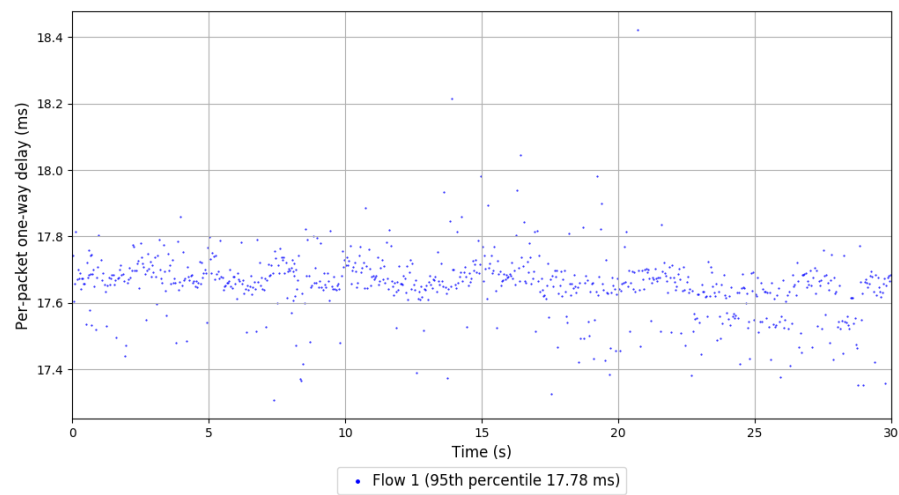
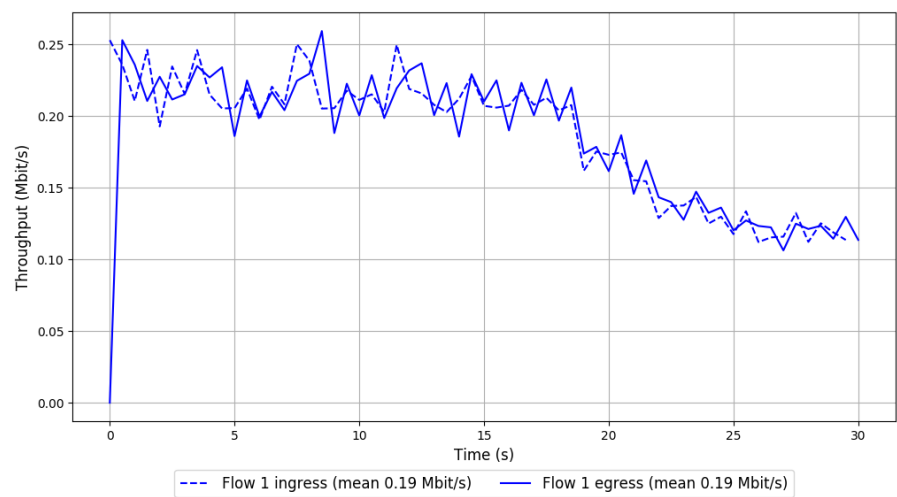
-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 17.782 ms

Loss rate: 0.29%

Run 6: Report of SReAM — Data Link

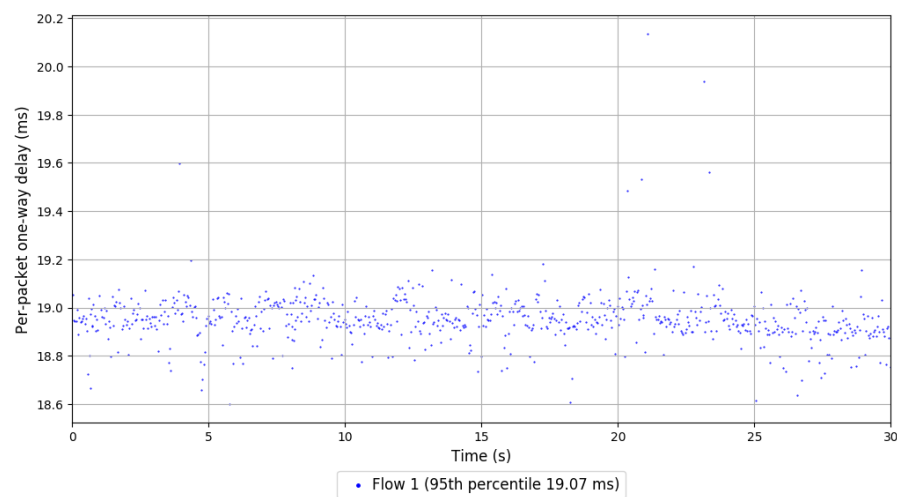
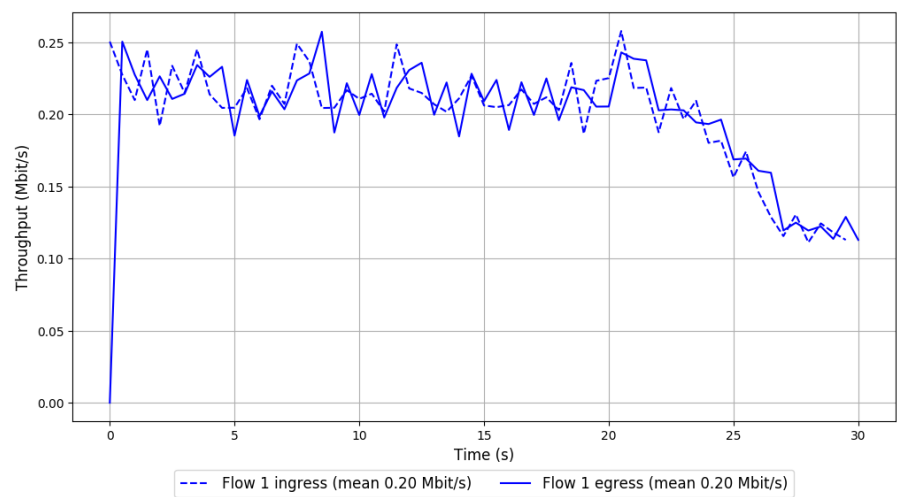


Run 7: Statistics of SCReAM

Start at: 2018-08-09 03:34:20
End at: 2018-08-09 03:34:50
Local clock offset: -0.847 ms
Remote clock offset: -2.554 ms

Below is generated by plot.py at 2018-08-09 06:52:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 19.071 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 19.071 ms
Loss rate: 0.15%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-08-09 04:00:03

End at: 2018-08-09 04:00:33

Local clock offset: 2.621 ms

Remote clock offset: 2.988 ms

Below is generated by plot.py at 2018-08-09 06:52:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.227 ms

Loss rate: 0.00%

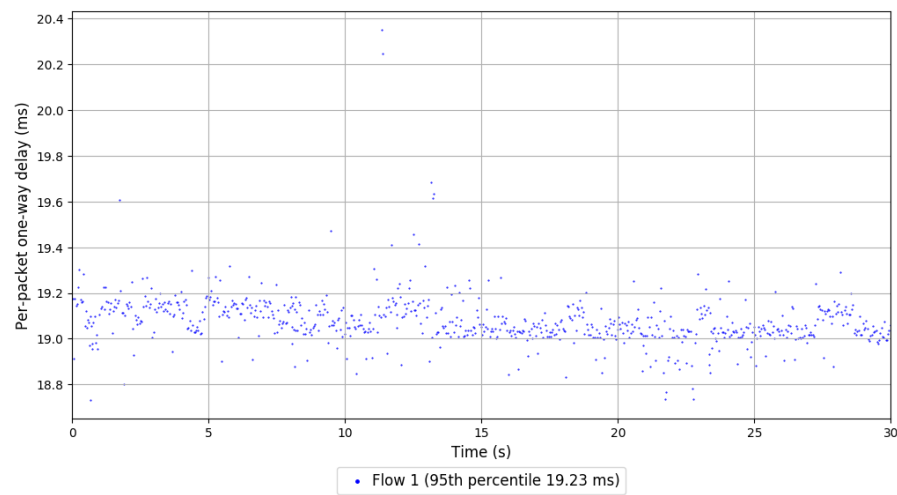
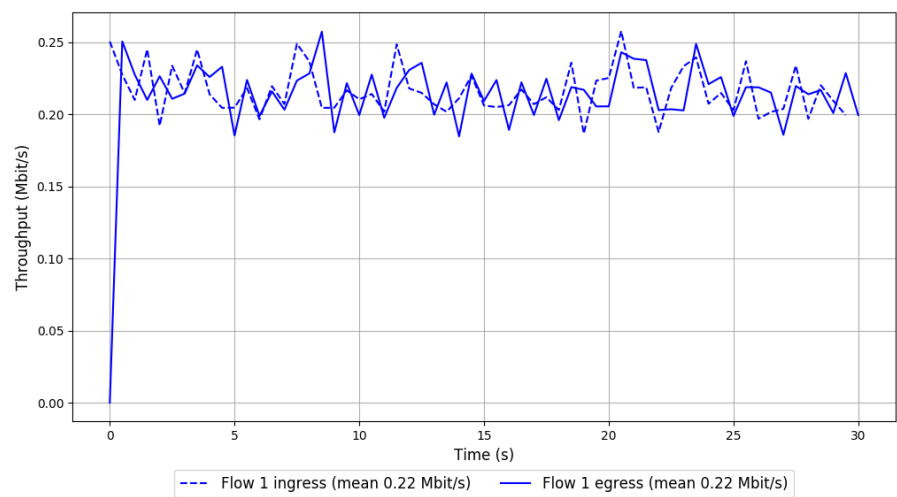
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.227 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-08-09 04:25:49

End at: 2018-08-09 04:26:19

Local clock offset: 3.324 ms

Remote clock offset: 0.513 ms

Below is generated by plot.py at 2018-08-09 06:52:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.395 ms

Loss rate: 0.00%

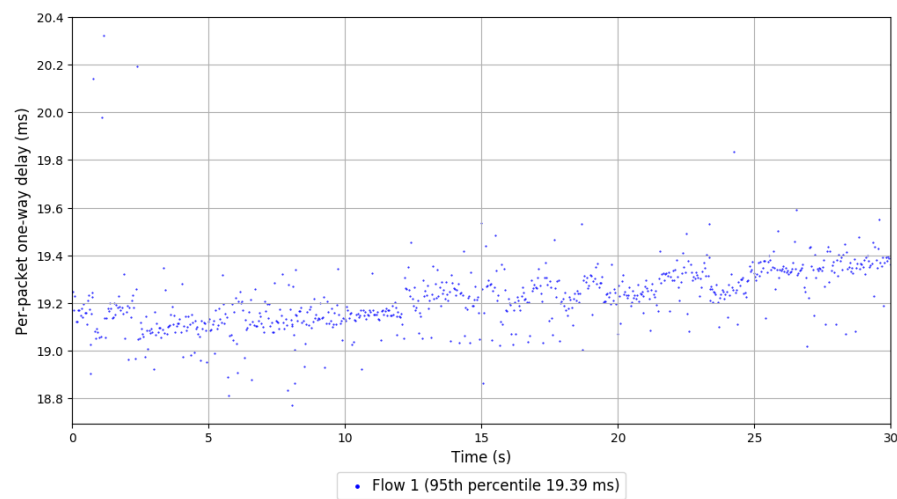
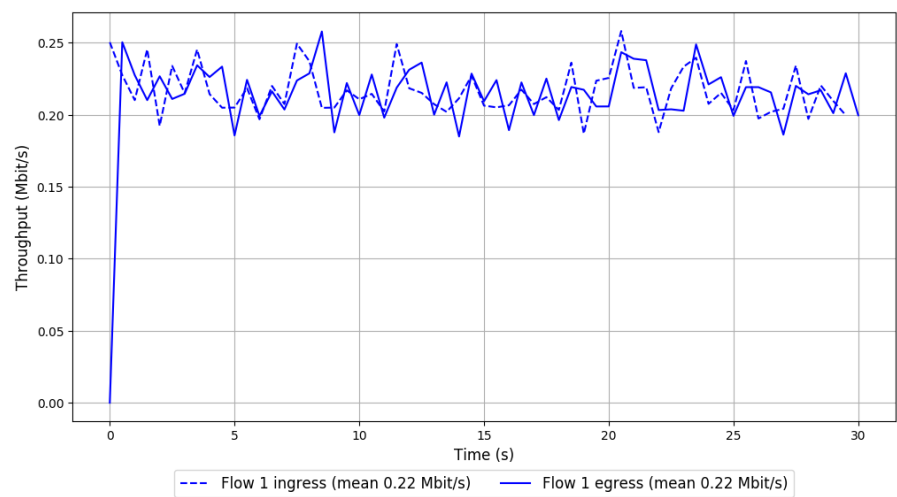
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.395 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-08-09 04:51:29

End at: 2018-08-09 04:51:59

Local clock offset: 1.587 ms

Remote clock offset: -3.74 ms

Below is generated by plot.py at 2018-08-09 06:52:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 18.950 ms

Loss rate: 0.00%

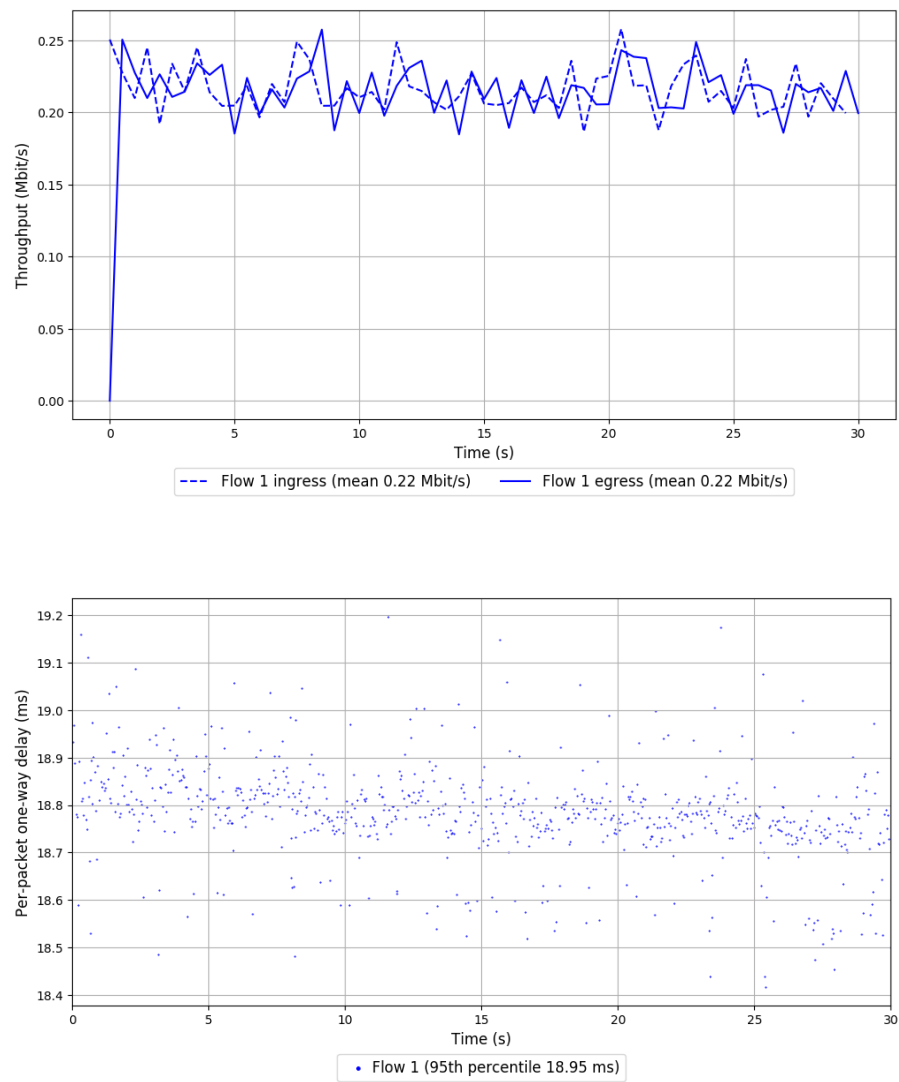
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 18.950 ms

Loss rate: 0.00%

Run 10: Report of SCRaM — Data Link

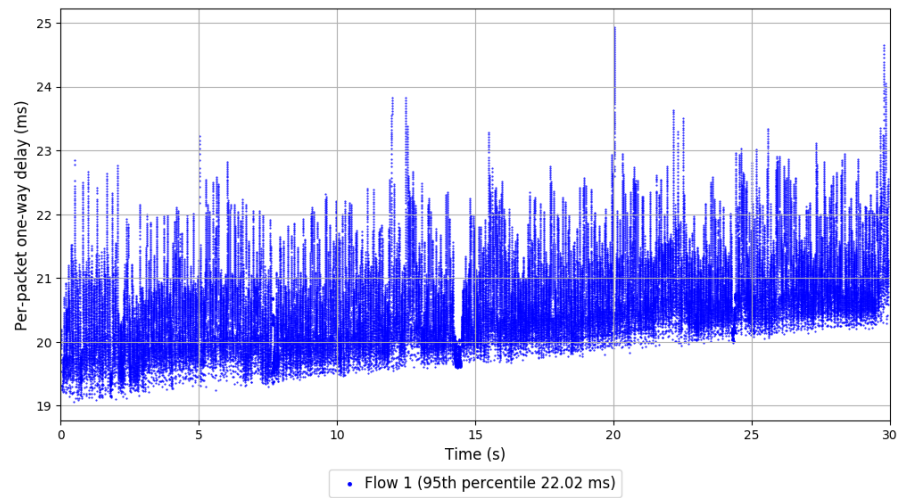
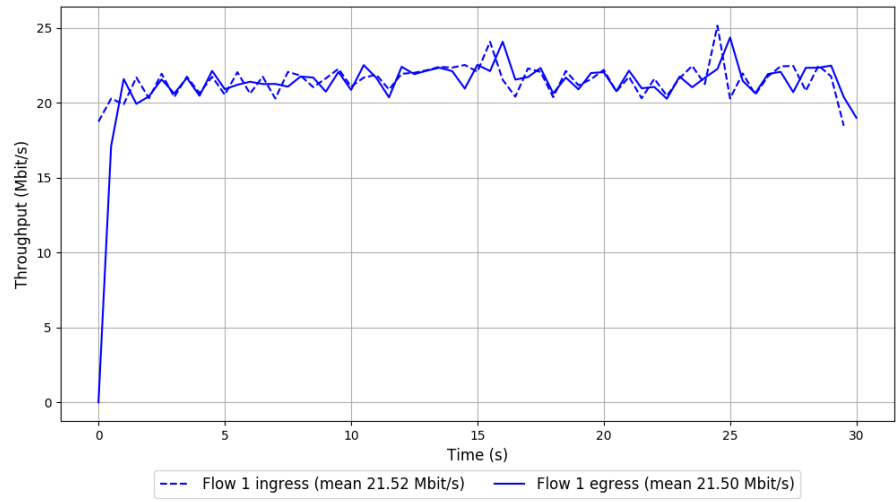


Run 1: Statistics of Sprout

Start at: 2018-08-09 01:18:01
End at: 2018-08-09 01:18:31
Local clock offset: -25.403 ms
Remote clock offset: 3.433 ms

Below is generated by plot.py at 2018-08-09 06:52:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.50 Mbit/s
95th percentile per-packet one-way delay: 22.024 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 21.50 Mbit/s
95th percentile per-packet one-way delay: 22.024 ms
Loss rate: 0.10%

Run 1: Report of Sprout — Data Link

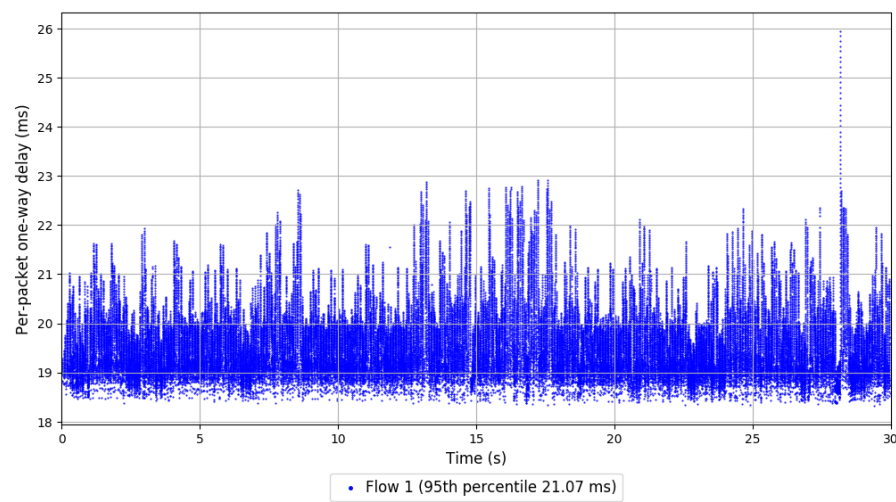
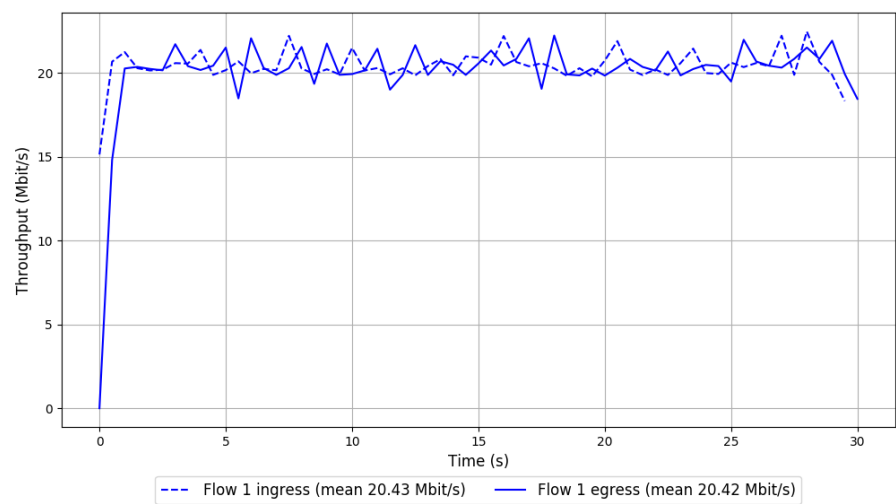


Run 2: Statistics of Sprout

Start at: 2018-08-09 01:43:27
End at: 2018-08-09 01:43:57
Local clock offset: -11.476 ms
Remote clock offset: -2.728 ms

Below is generated by plot.py at 2018-08-09 06:52:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.42 Mbit/s
95th percentile per-packet one-way delay: 21.075 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 20.42 Mbit/s
95th percentile per-packet one-way delay: 21.075 ms
Loss rate: 0.01%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-08-09 02:08:56

End at: 2018-08-09 02:09:26

Local clock offset: -7.446 ms

Remote clock offset: -5.14 ms

Below is generated by plot.py at 2018-08-09 06:52:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.44 Mbit/s

95th percentile per-packet one-way delay: 21.484 ms

Loss rate: 0.00%

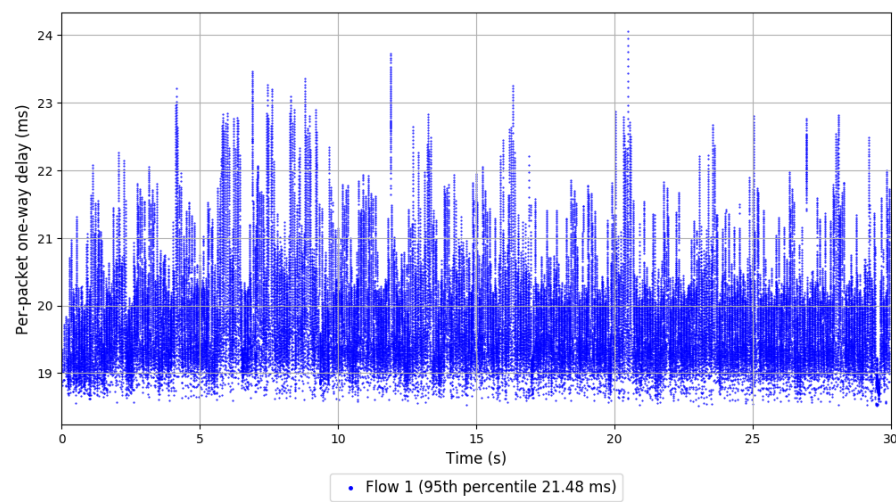
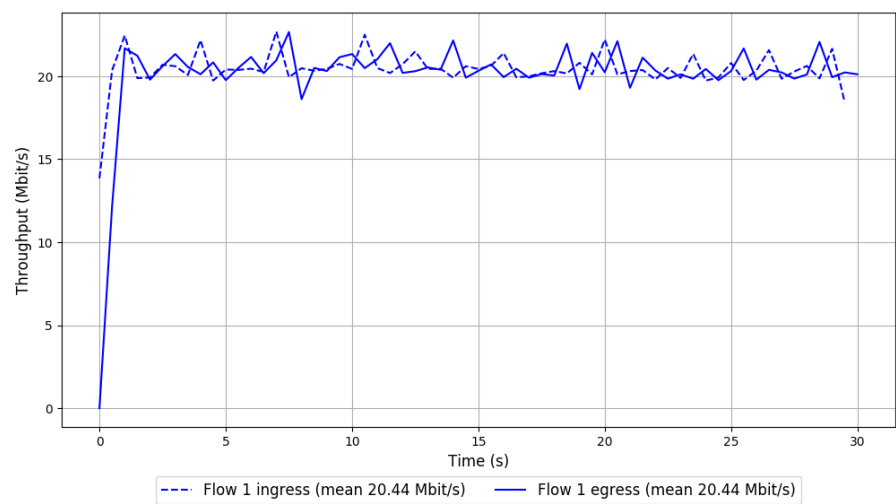
-- Flow 1:

Average throughput: 20.44 Mbit/s

95th percentile per-packet one-way delay: 21.484 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

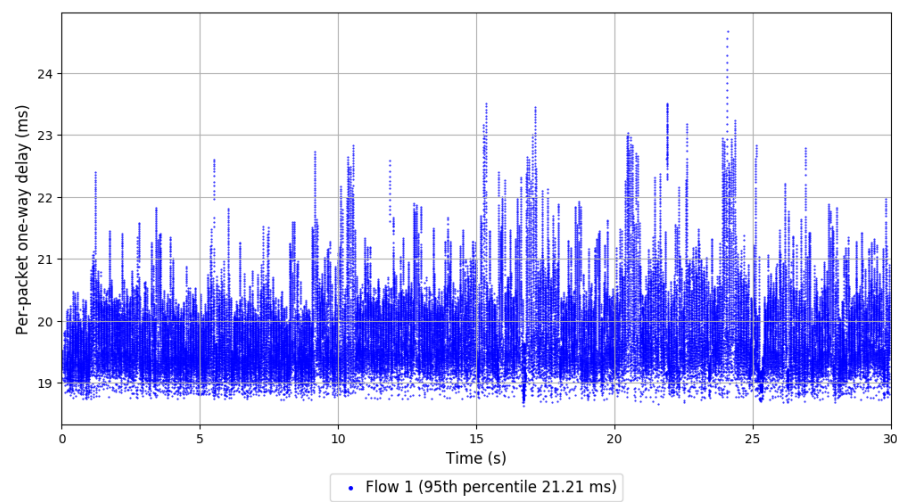
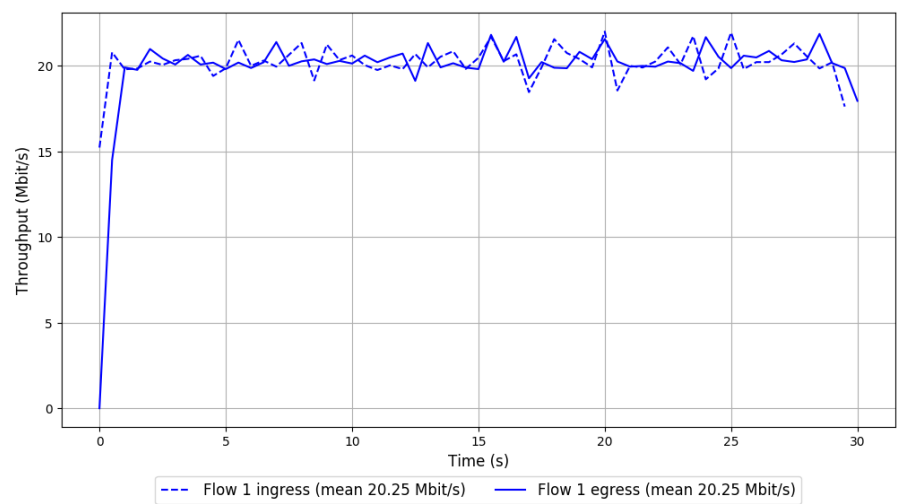


Run 4: Statistics of Sprout

Start at: 2018-08-09 02:34:30
End at: 2018-08-09 02:35:00
Local clock offset: -7.201 ms
Remote clock offset: -6.785 ms

Below is generated by plot.py at 2018-08-09 06:52:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.25 Mbit/s
95th percentile per-packet one-way delay: 21.211 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.25 Mbit/s
95th percentile per-packet one-way delay: 21.211 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-08-09 02:59:54

End at: 2018-08-09 03:00:24

Local clock offset: -2.654 ms

Remote clock offset: 0.944 ms

Below is generated by plot.py at 2018-08-09 06:52:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.21 Mbit/s

95th percentile per-packet one-way delay: 21.522 ms

Loss rate: 0.00%

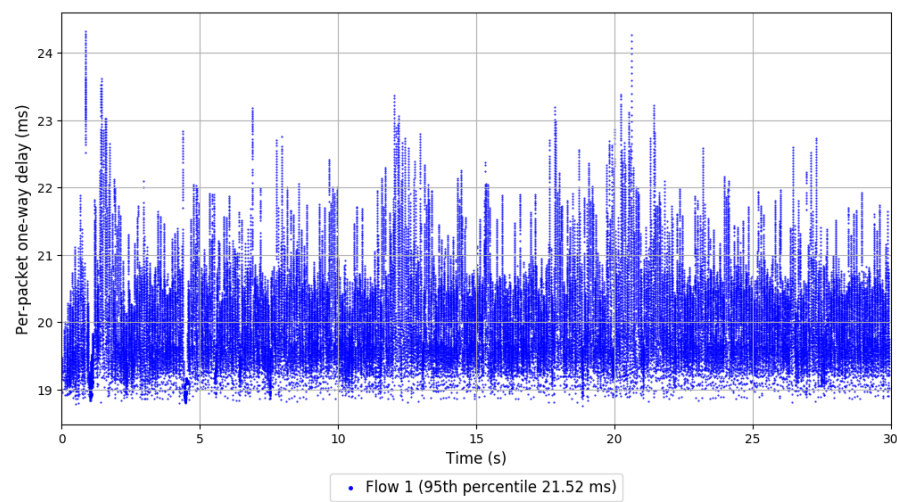
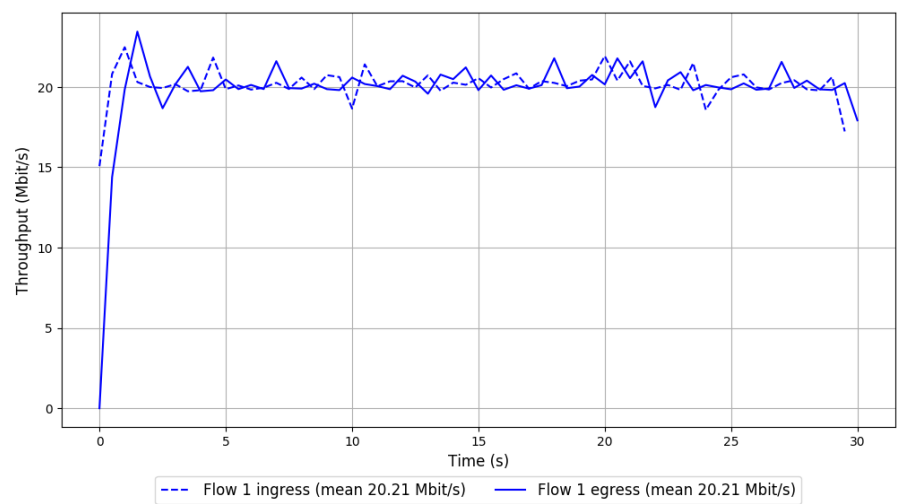
-- Flow 1:

Average throughput: 20.21 Mbit/s

95th percentile per-packet one-way delay: 21.522 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

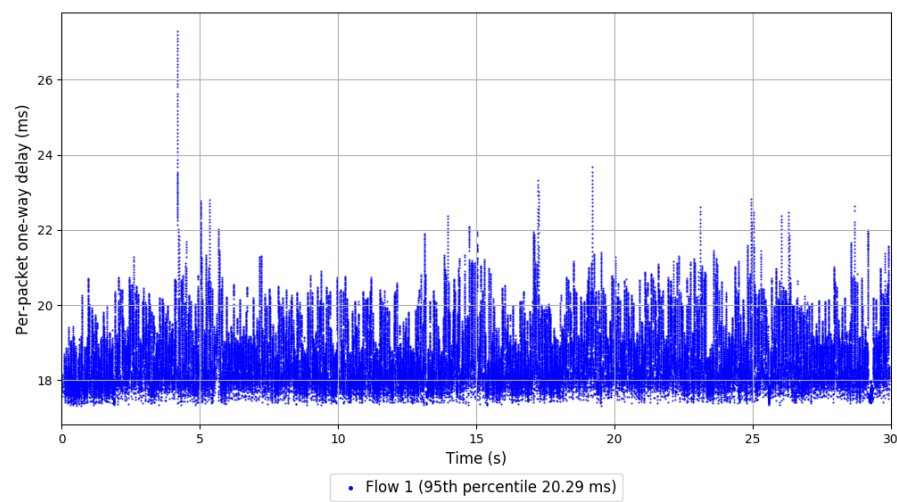
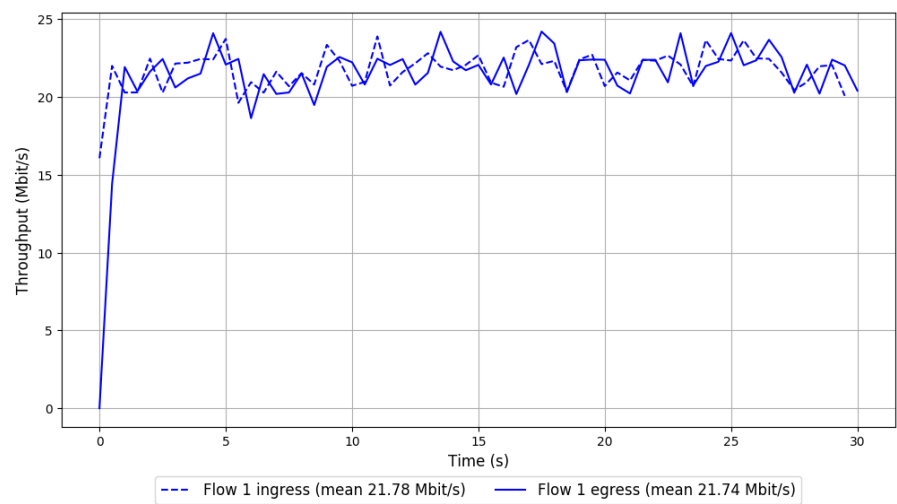


Run 6: Statistics of Sprout

Start at: 2018-08-09 03:25:26
End at: 2018-08-09 03:25:56
Local clock offset: -1.092 ms
Remote clock offset: -2.085 ms

Below is generated by plot.py at 2018-08-09 06:52:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.74 Mbit/s
95th percentile per-packet one-way delay: 20.287 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 21.74 Mbit/s
95th percentile per-packet one-way delay: 20.287 ms
Loss rate: 0.21%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-08-09 03:51:08

End at: 2018-08-09 03:51:38

Local clock offset: 0.876 ms

Remote clock offset: 0.568 ms

Below is generated by plot.py at 2018-08-09 06:52:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.14 Mbit/s

95th percentile per-packet one-way delay: 21.252 ms

Loss rate: 0.00%

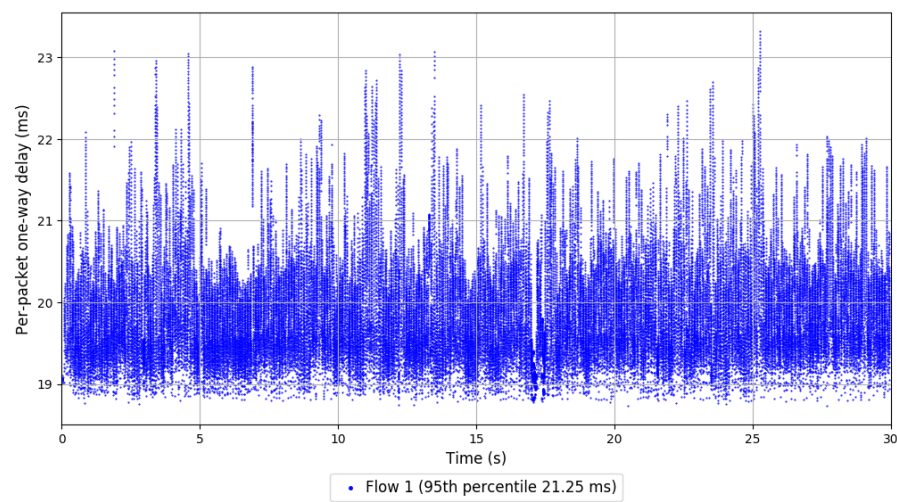
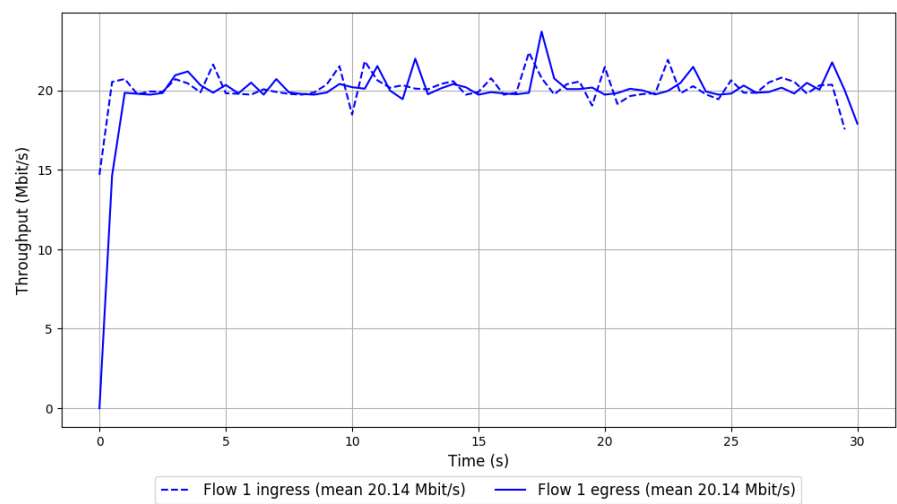
-- Flow 1:

Average throughput: 20.14 Mbit/s

95th percentile per-packet one-way delay: 21.252 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-08-09 04:16:46

End at: 2018-08-09 04:17:16

Local clock offset: 3.583 ms

Remote clock offset: 5.157 ms

Below is generated by plot.py at 2018-08-09 06:52:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.34 Mbit/s

95th percentile per-packet one-way delay: 21.510 ms

Loss rate: 0.02%

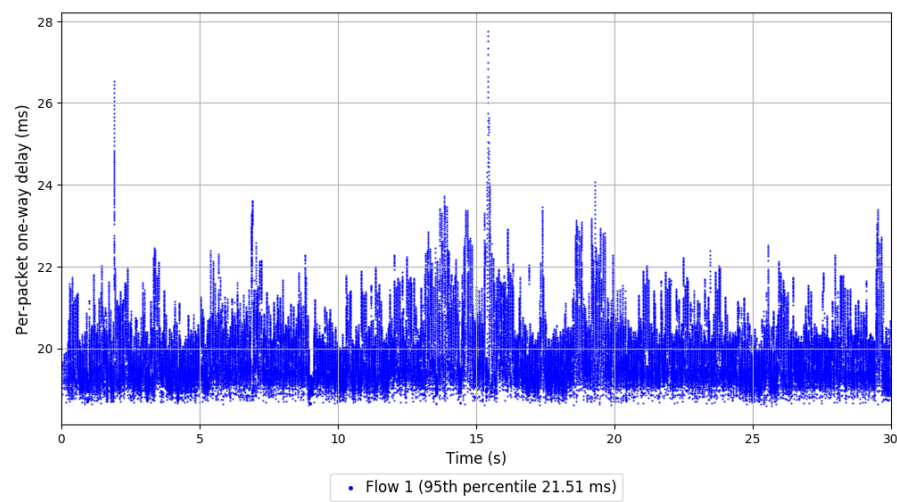
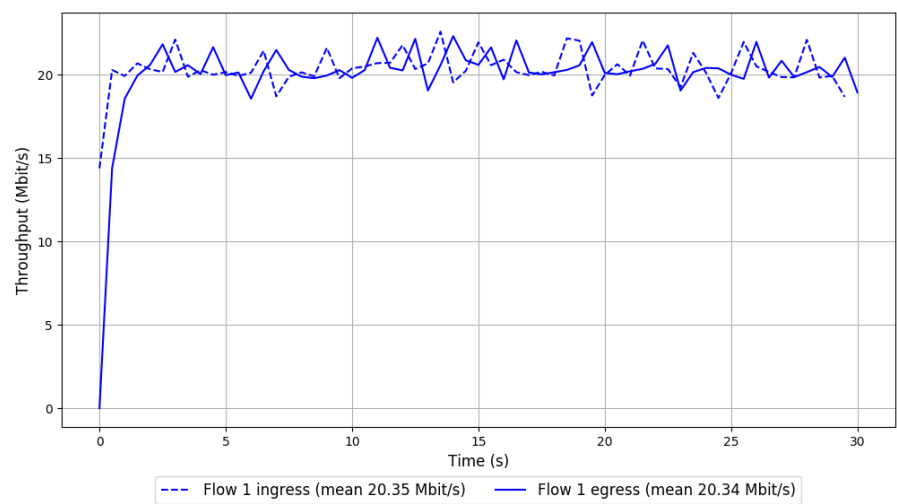
-- Flow 1:

Average throughput: 20.34 Mbit/s

95th percentile per-packet one-way delay: 21.510 ms

Loss rate: 0.02%

Run 8: Report of Sprout — Data Link

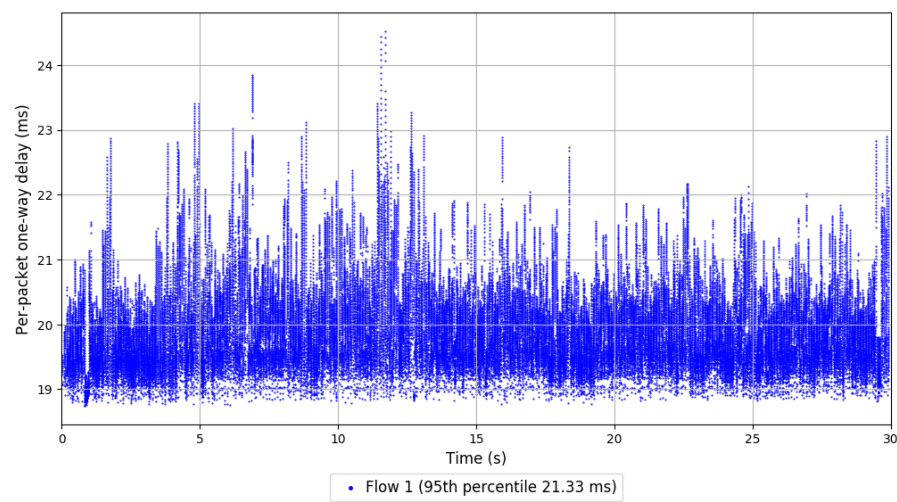
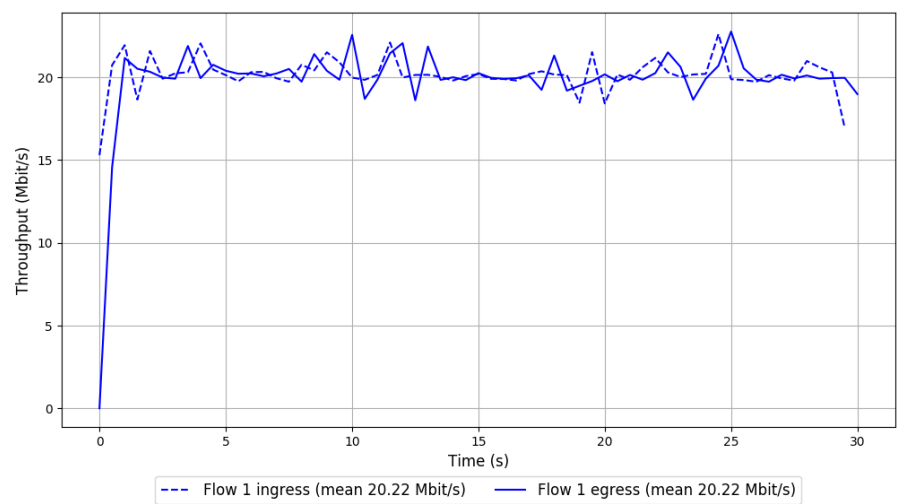


Run 9: Statistics of Sprout

Start at: 2018-08-09 04:42:24
End at: 2018-08-09 04:42:54
Local clock offset: 3.523 ms
Remote clock offset: -3.114 ms

Below is generated by plot.py at 2018-08-09 06:52:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.22 Mbit/s
95th percentile per-packet one-way delay: 21.332 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.22 Mbit/s
95th percentile per-packet one-way delay: 21.332 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

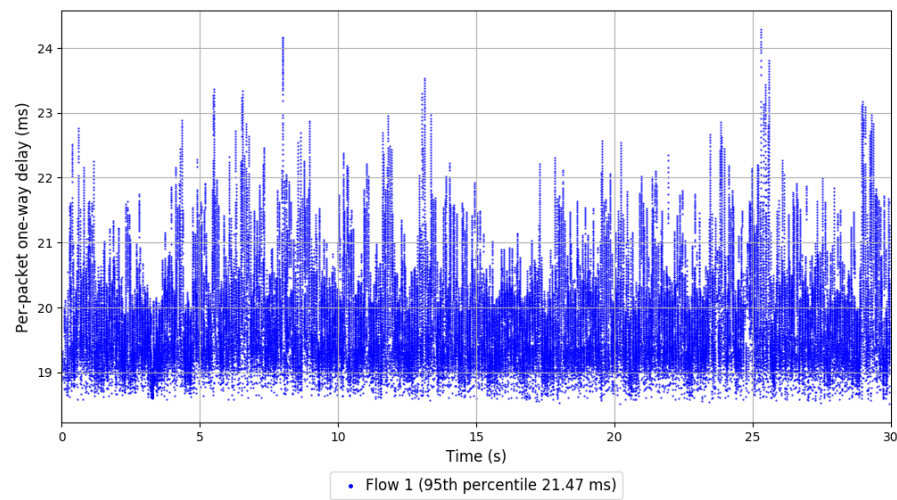
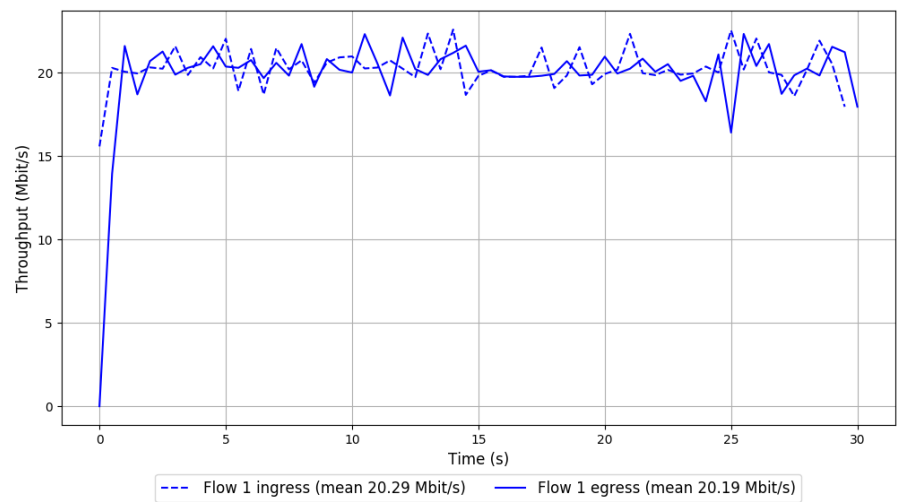


Run 10: Statistics of Sprout

Start at: 2018-08-09 05:08:22
End at: 2018-08-09 05:08:52
Local clock offset: -0.959 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-08-09 06:52:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.19 Mbit/s
95th percentile per-packet one-way delay: 21.471 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 20.19 Mbit/s
95th percentile per-packet one-way delay: 21.471 ms
Loss rate: 0.51%

Run 10: Report of Sprout — Data Link

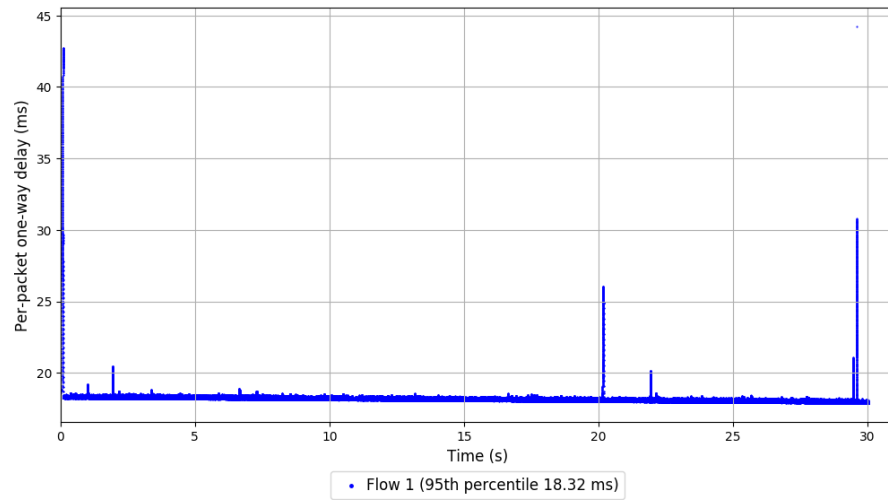
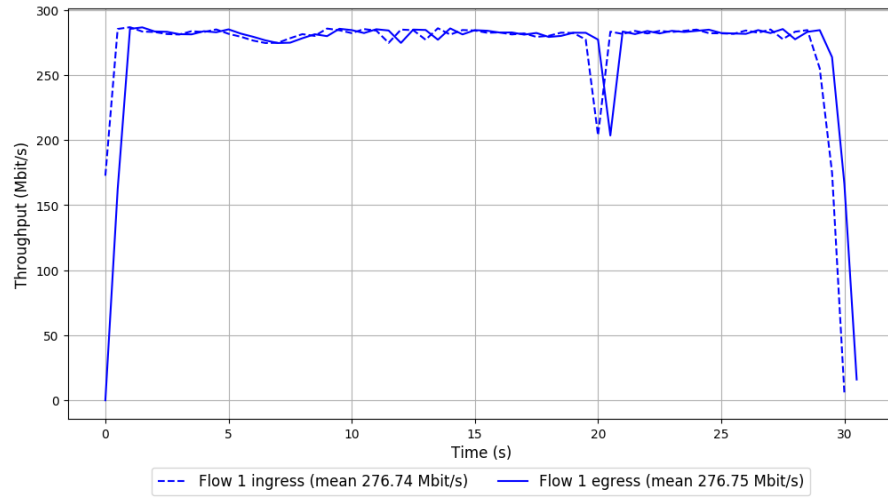


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-08-09 01:10:26
End at: 2018-08-09 01:10:56
Local clock offset: -26.975 ms
Remote clock offset: 3.345 ms

# Below is generated by plot.py at 2018-08-09 06:55:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 276.75 Mbit/s
95th percentile per-packet one-way delay: 18.315 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 276.75 Mbit/s
95th percentile per-packet one-way delay: 18.315 ms
Loss rate: 0.00%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-08-09 01:35:57

End at: 2018-08-09 01:36:27

Local clock offset: -9.779 ms

Remote clock offset: -0.61 ms

Below is generated by plot.py at 2018-08-09 06:55:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 276.39 Mbit/s

95th percentile per-packet one-way delay: 18.907 ms

Loss rate: 0.03%

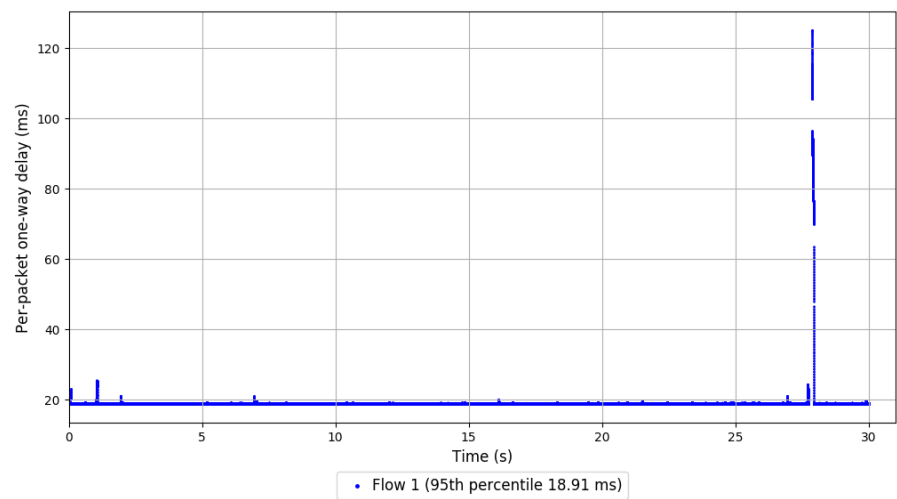
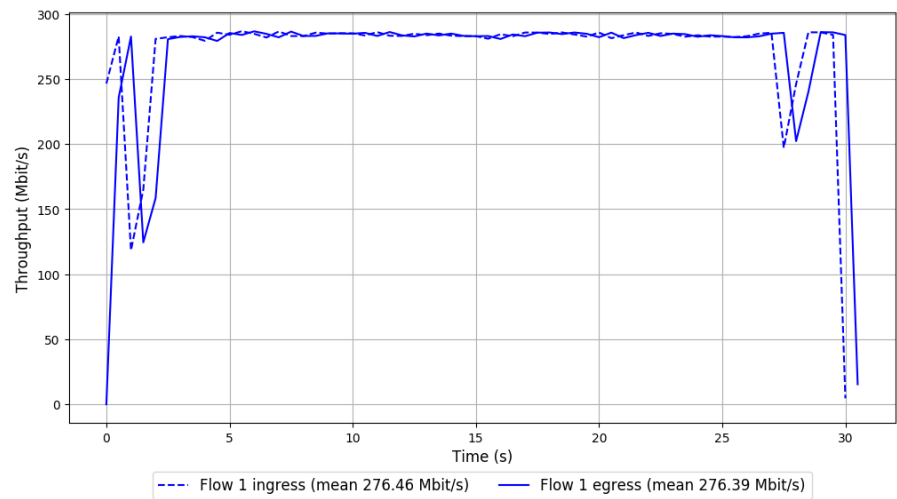
-- Flow 1:

Average throughput: 276.39 Mbit/s

95th percentile per-packet one-way delay: 18.907 ms

Loss rate: 0.03%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-08-09 02:01:23

End at: 2018-08-09 02:01:53

Local clock offset: -6.409 ms

Remote clock offset: -4.71 ms

Below is generated by plot.py at 2018-08-09 06:55:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 207.11 Mbit/s

95th percentile per-packet one-way delay: 18.781 ms

Loss rate: 0.05%

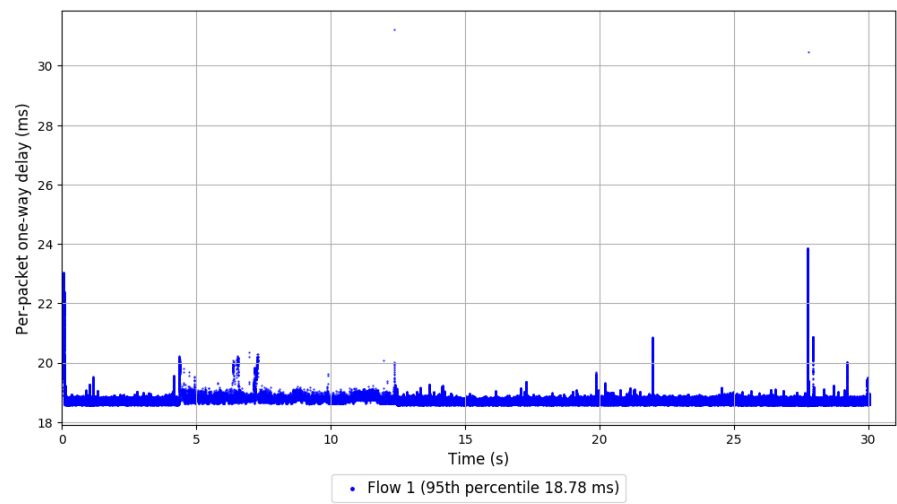
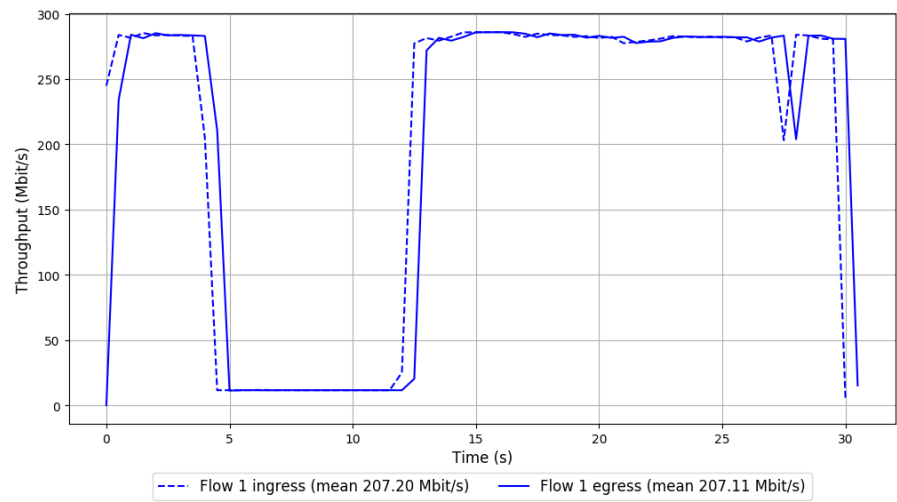
-- Flow 1:

Average throughput: 207.11 Mbit/s

95th percentile per-packet one-way delay: 18.781 ms

Loss rate: 0.05%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-08-09 02:26:50

End at: 2018-08-09 02:27:20

Local clock offset: -6.682 ms

Remote clock offset: -6.312 ms

Below is generated by plot.py at 2018-08-09 06:55:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 275.17 Mbit/s

95th percentile per-packet one-way delay: 18.992 ms

Loss rate: 0.08%

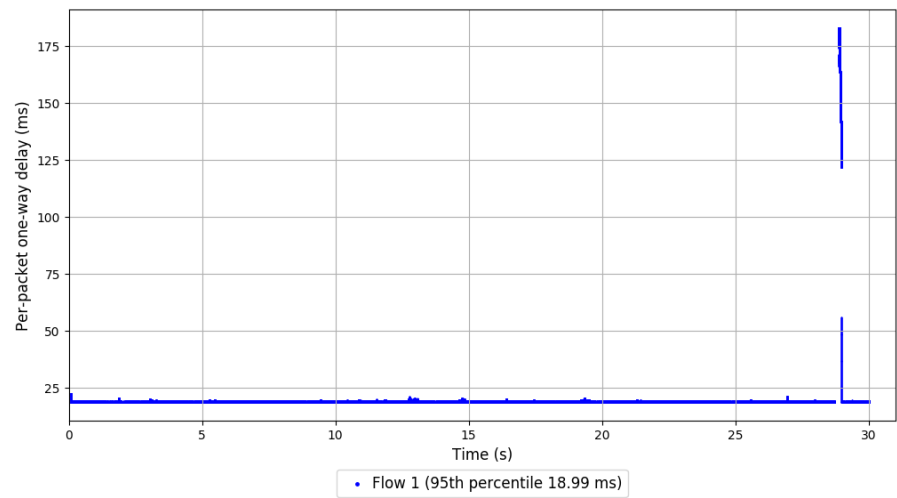
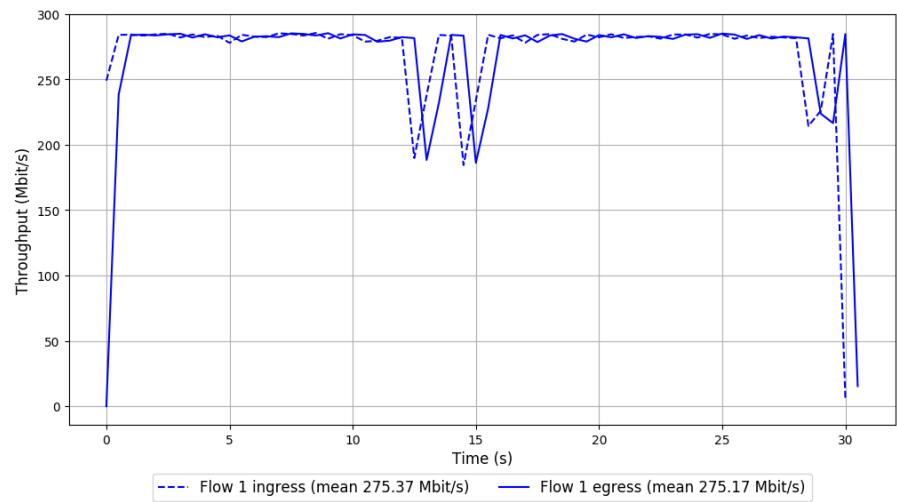
-- Flow 1:

Average throughput: 275.17 Mbit/s

95th percentile per-packet one-way delay: 18.992 ms

Loss rate: 0.08%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-08-09 02:52:12

End at: 2018-08-09 02:52:42

Local clock offset: -4.806 ms

Remote clock offset: -0.248 ms

Below is generated by plot.py at 2018-08-09 06:55:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 279.23 Mbit/s

95th percentile per-packet one-way delay: 19.240 ms

Loss rate: 0.00%

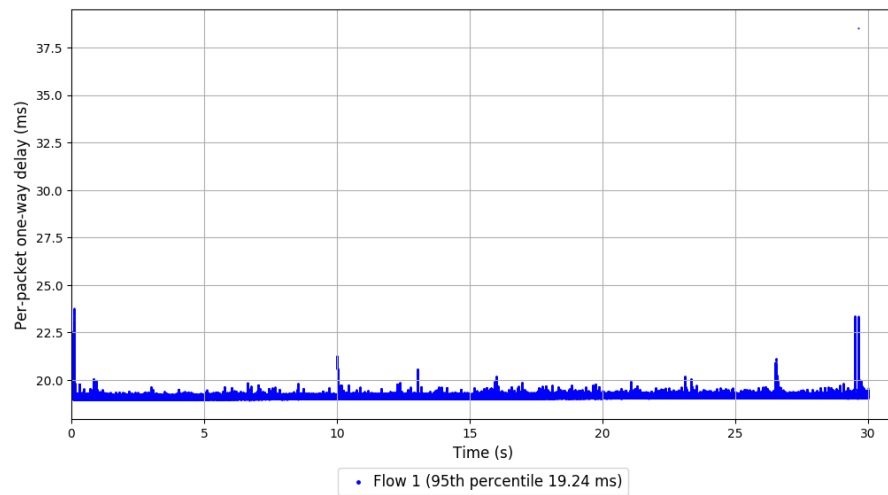
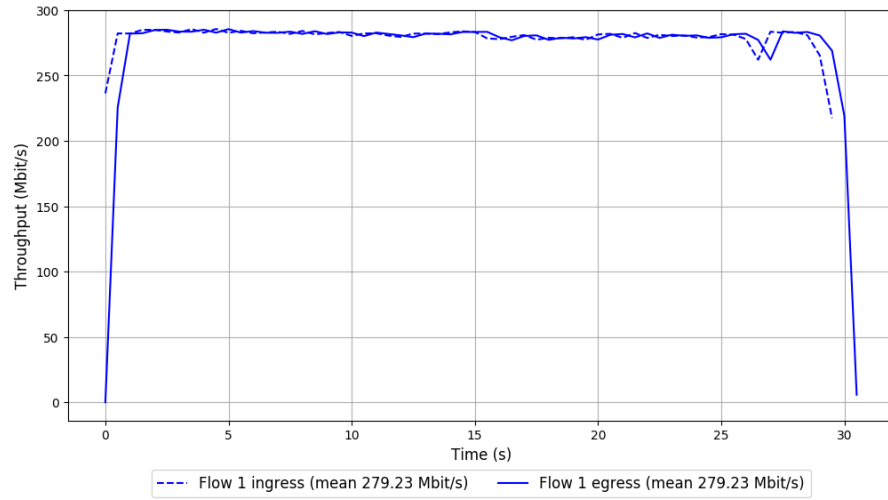
-- Flow 1:

Average throughput: 279.23 Mbit/s

95th percentile per-packet one-way delay: 19.240 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-08-09 03:17:47

End at: 2018-08-09 03:18:17

Local clock offset: -1.924 ms

Remote clock offset: -0.788 ms

Below is generated by plot.py at 2018-08-09 06:57:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 270.00 Mbit/s

95th percentile per-packet one-way delay: 19.135 ms

Loss rate: 0.09%

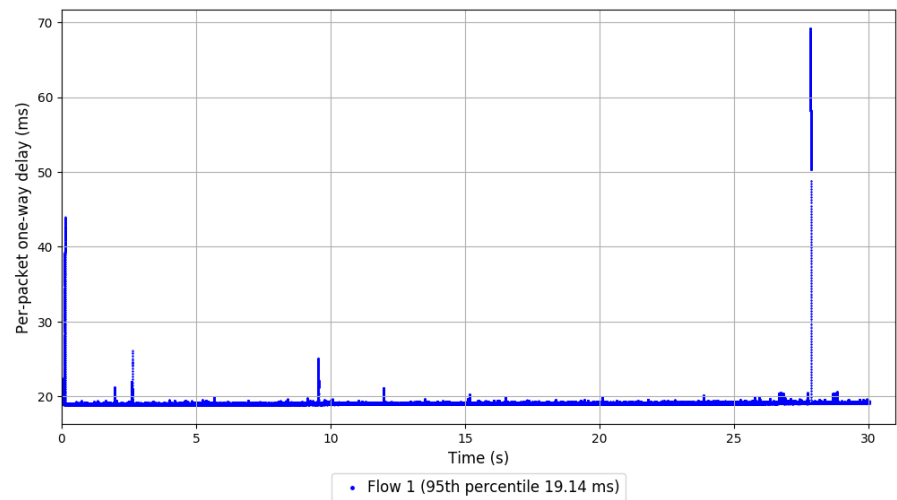
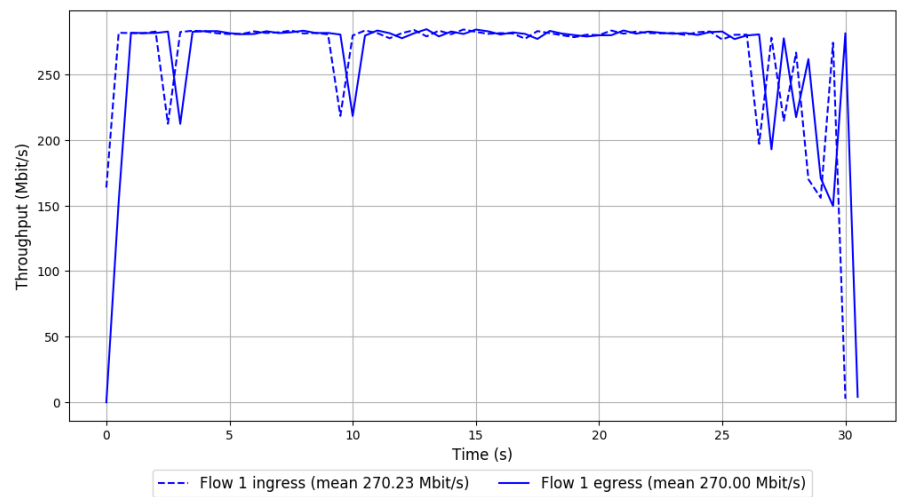
-- Flow 1:

Average throughput: 270.00 Mbit/s

95th percentile per-packet one-way delay: 19.135 ms

Loss rate: 0.09%

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

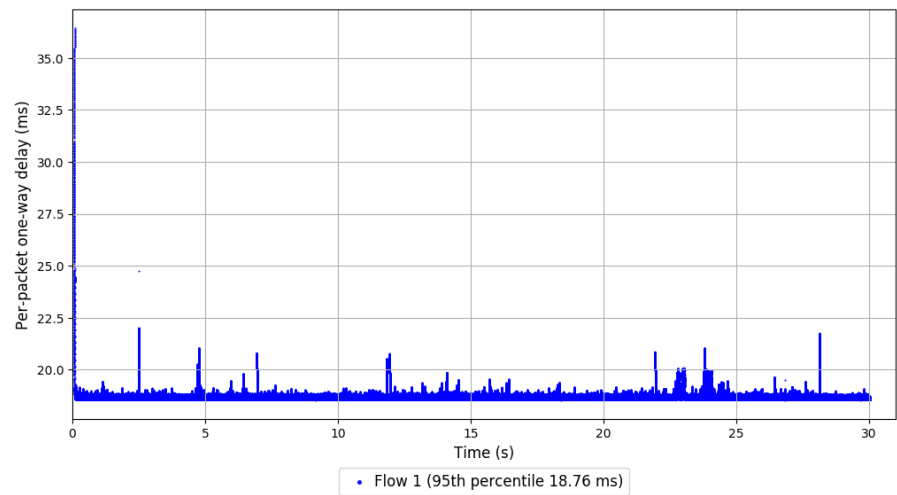
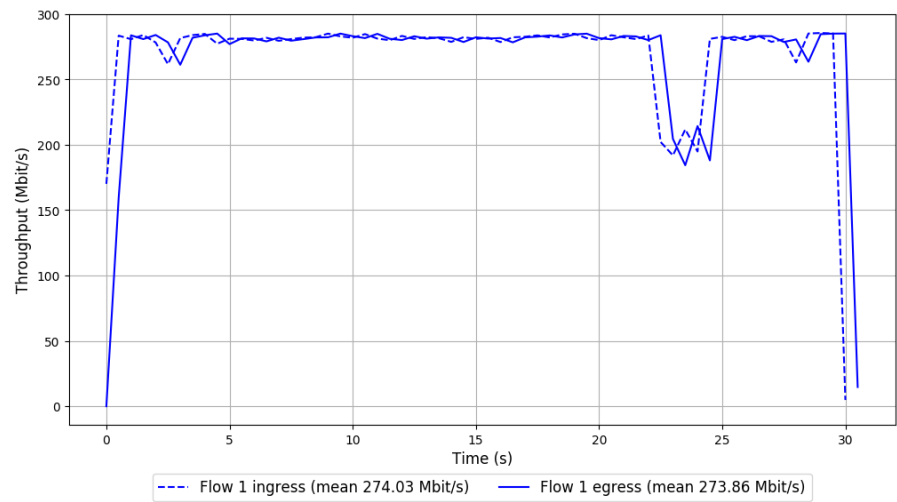


Run 7: Statistics of TaoVA-100x

Start at: 2018-08-09 03:43:25
End at: 2018-08-09 03:43:55
Local clock offset: -1.078 ms
Remote clock offset: -2.705 ms

Below is generated by plot.py at 2018-08-09 06:57:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 273.86 Mbit/s
95th percentile per-packet one-way delay: 18.762 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 273.86 Mbit/s
95th percentile per-packet one-way delay: 18.762 ms
Loss rate: 0.06%

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



Run 8: Statistics of TaoVA-100x

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

End at: 2018-08-09 04:09:34

Local clock offset: 3.345 ms

Remote clock offset: 4.247 ms

Below is generated by plot.py at 2018-08-09 06:58:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 275.48 Mbit/s

95th percentile per-packet one-way delay: 18.795 ms

Loss rate: 0.07%

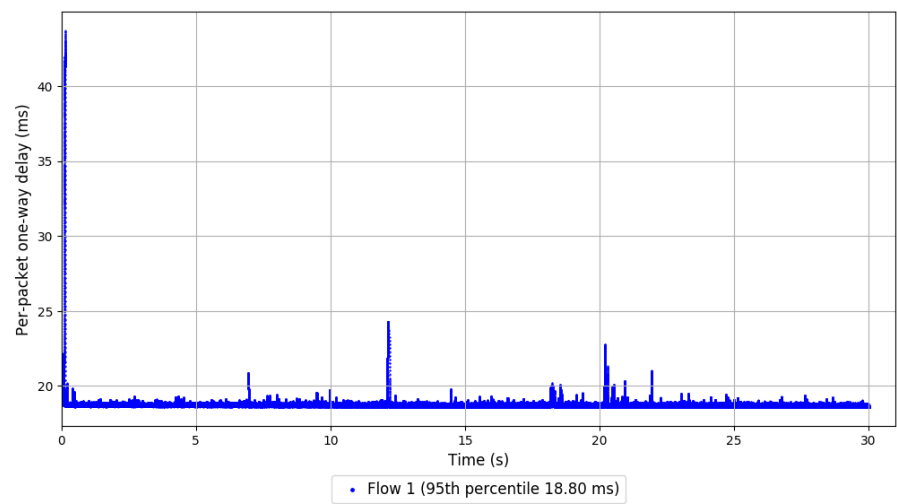
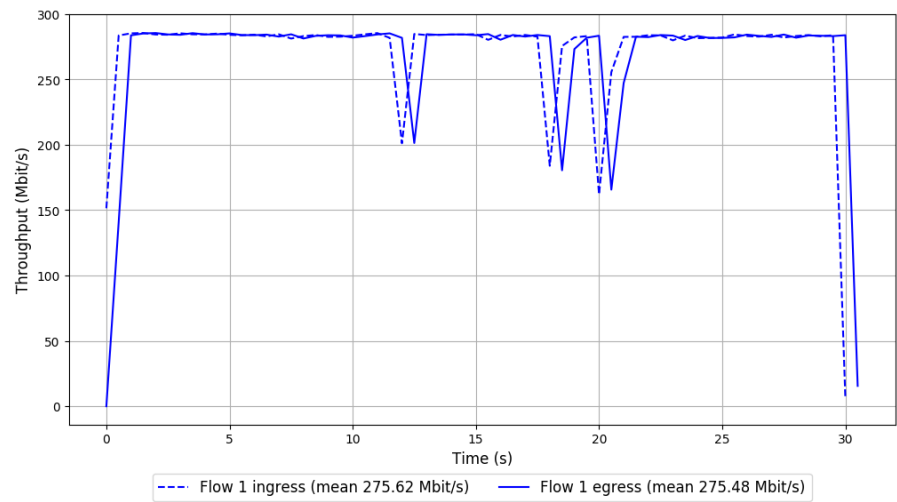
-- Flow 1:

Average throughput: 275.48 Mbit/s

95th percentile per-packet one-way delay: 18.795 ms

Loss rate: 0.07%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-08-09 04:34:50

End at: 2018-08-09 04:35:20

Local clock offset: 3.409 ms

Remote clock offset: -2.125 ms

Below is generated by plot.py at 2018-08-09 07:00:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 276.47 Mbit/s

95th percentile per-packet one-way delay: 18.931 ms

Loss rate: 0.08%

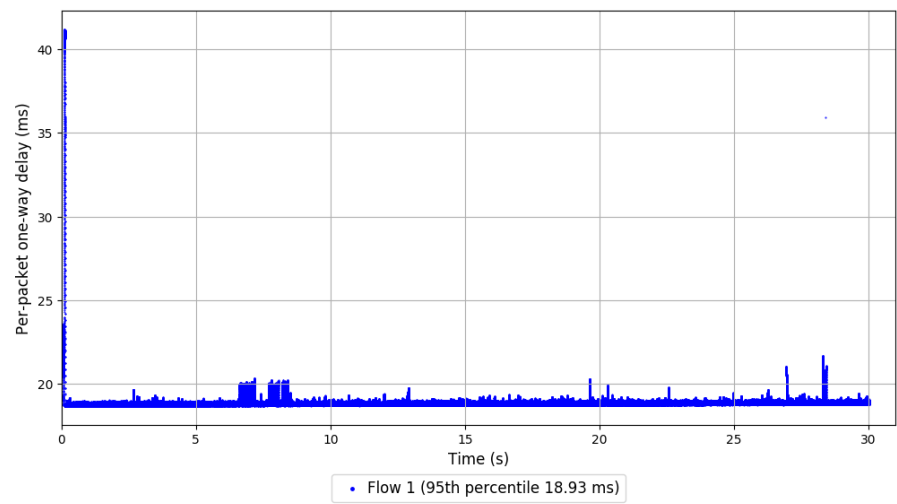
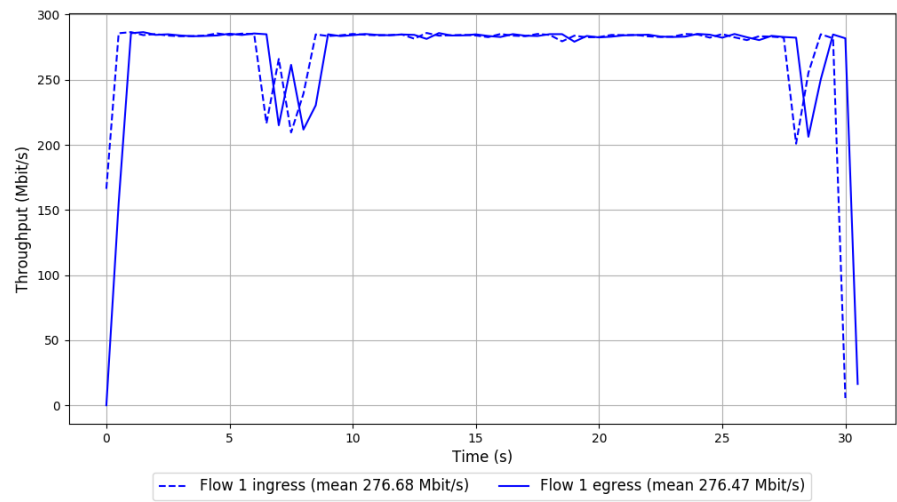
-- Flow 1:

Average throughput: 276.47 Mbit/s

95th percentile per-packet one-way delay: 18.931 ms

Loss rate: 0.08%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-08-09 05:00:28

End at: 2018-08-09 05:00:58

Local clock offset: -0.256 ms

Remote clock offset: -1.344 ms

Below is generated by plot.py at 2018-08-09 07:01:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 279.07 Mbit/s

95th percentile per-packet one-way delay: 18.713 ms

Loss rate: 0.03%

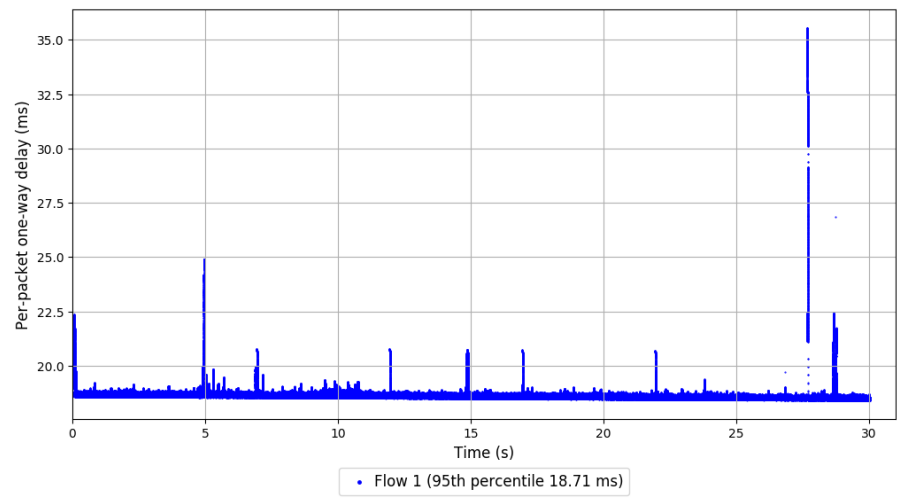
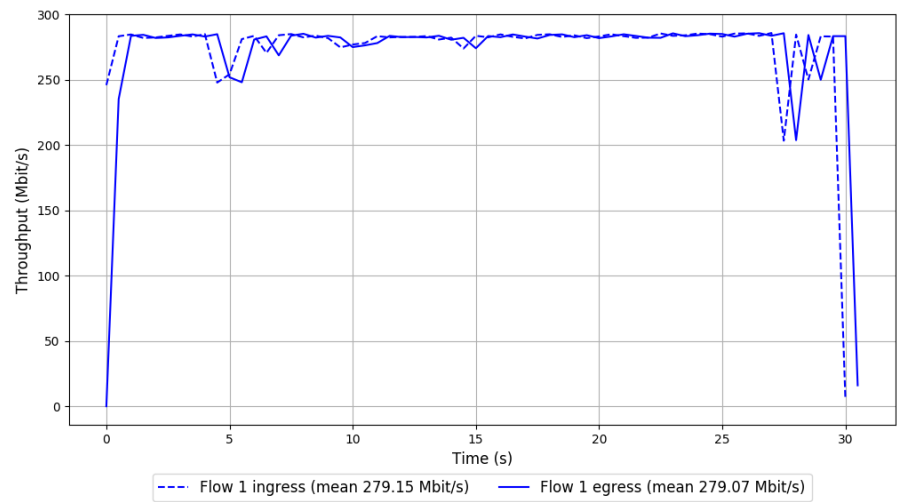
-- Flow 1:

Average throughput: 279.07 Mbit/s

95th percentile per-packet one-way delay: 18.713 ms

Loss rate: 0.03%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-08-09 01:13:37

End at: 2018-08-09 01:14:07

Local clock offset: -29.32 ms

Remote clock offset: 3.35 ms

Below is generated by plot.py at 2018-08-09 07:01:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.60 Mbit/s

95th percentile per-packet one-way delay: 18.789 ms

Loss rate: 0.41%

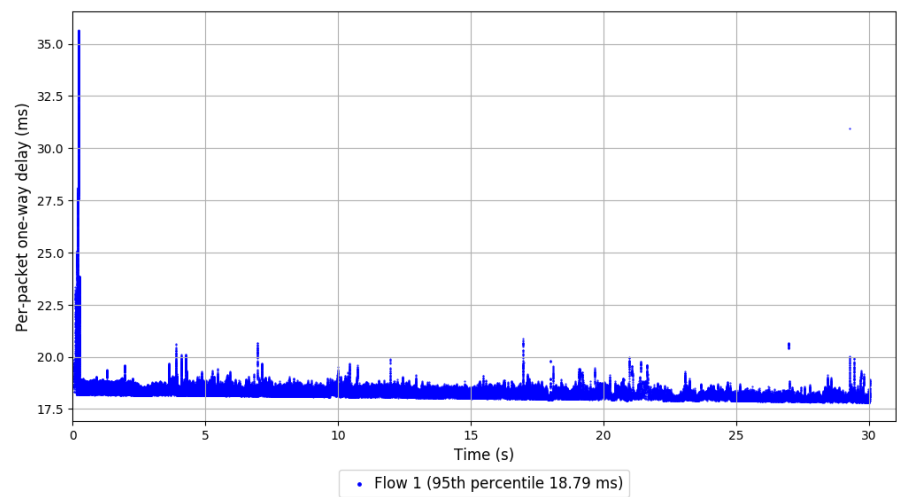
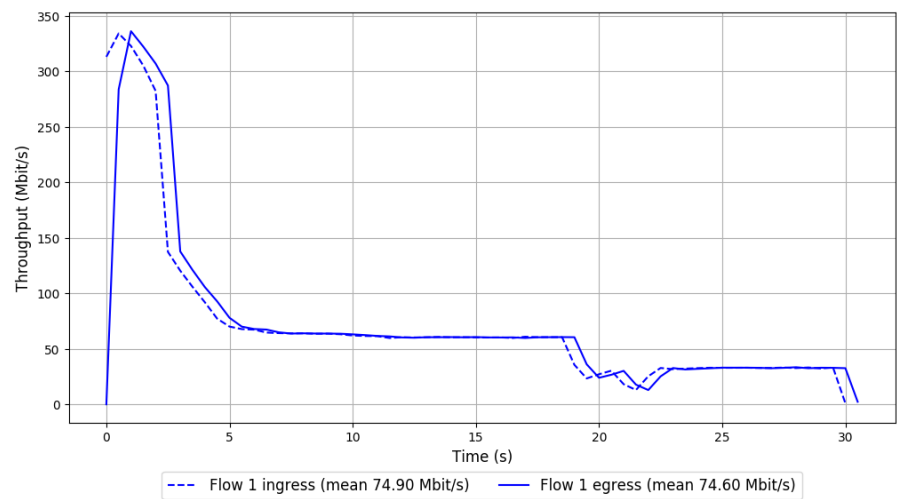
-- Flow 1:

Average throughput: 74.60 Mbit/s

95th percentile per-packet one-way delay: 18.789 ms

Loss rate: 0.41%

Run 1: Report of TCP Vegas — Data Link

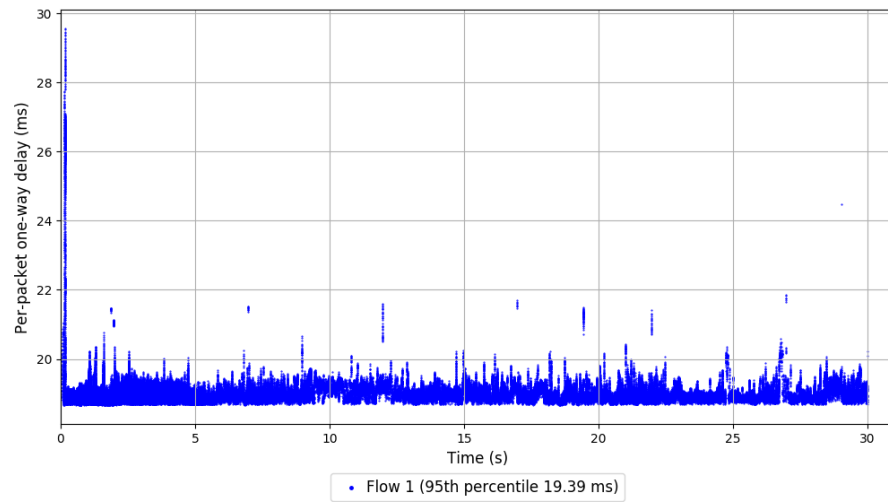
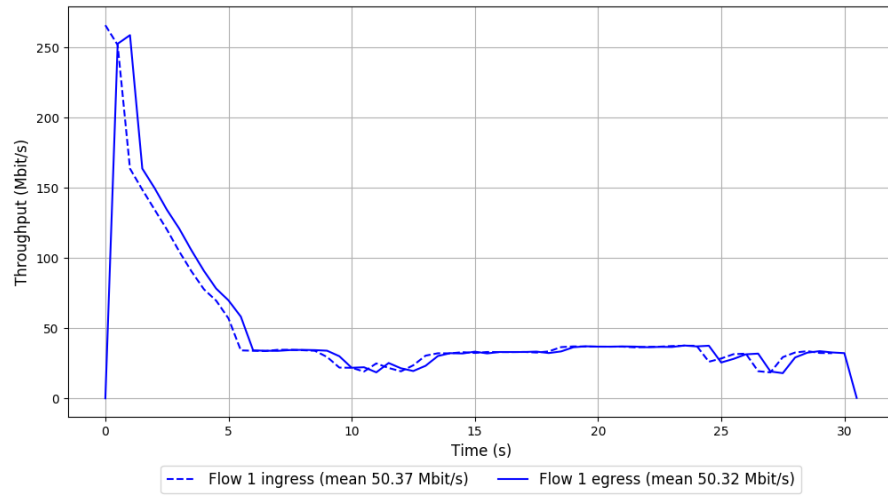


Run 2: Statistics of TCP Vegas

Start at: 2018-08-09 01:39:07
End at: 2018-08-09 01:39:37
Local clock offset: -10.351 ms
Remote clock offset: -1.583 ms

Below is generated by plot.py at 2018-08-09 07:01:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.32 Mbit/s
95th percentile per-packet one-way delay: 19.395 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 50.32 Mbit/s
95th percentile per-packet one-way delay: 19.395 ms
Loss rate: 0.10%

Run 2: Report of TCP Vegas — Data Link

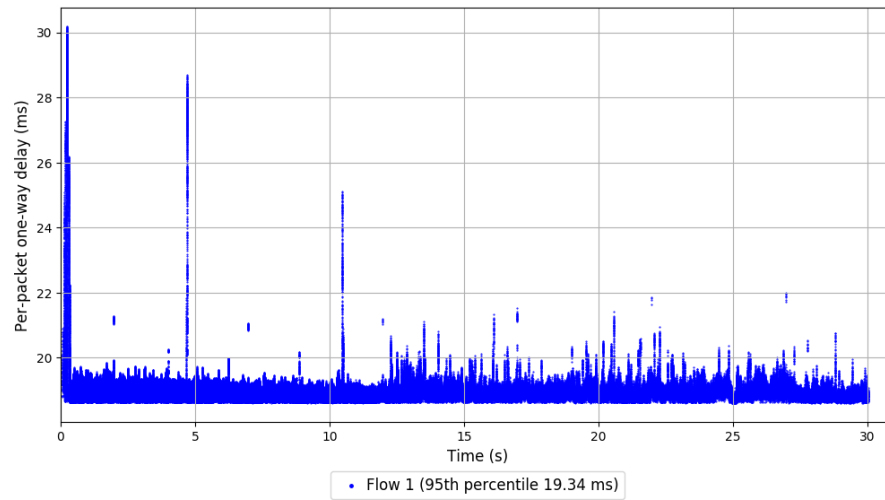
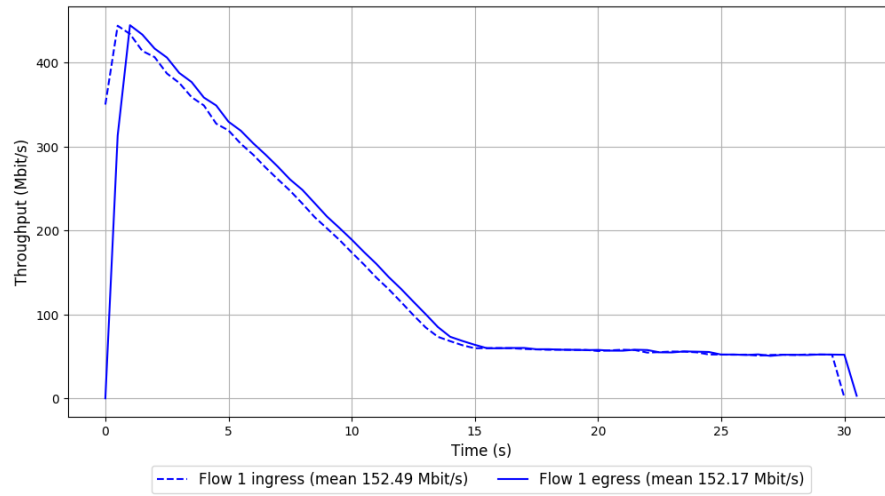


Run 3: Statistics of TCP Vegas

Start at: 2018-08-09 02:04:30
End at: 2018-08-09 02:05:00
Local clock offset: -6.727 ms
Remote clock offset: -4.851 ms

Below is generated by plot.py at 2018-08-09 07:01:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 152.17 Mbit/s
95th percentile per-packet one-way delay: 19.339 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 152.17 Mbit/s
95th percentile per-packet one-way delay: 19.339 ms
Loss rate: 0.22%

Run 3: Report of TCP Vegas — Data Link

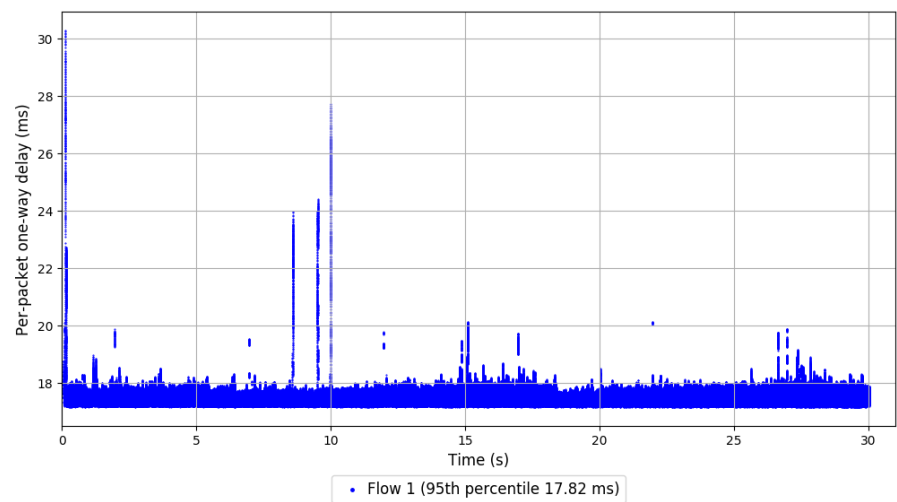
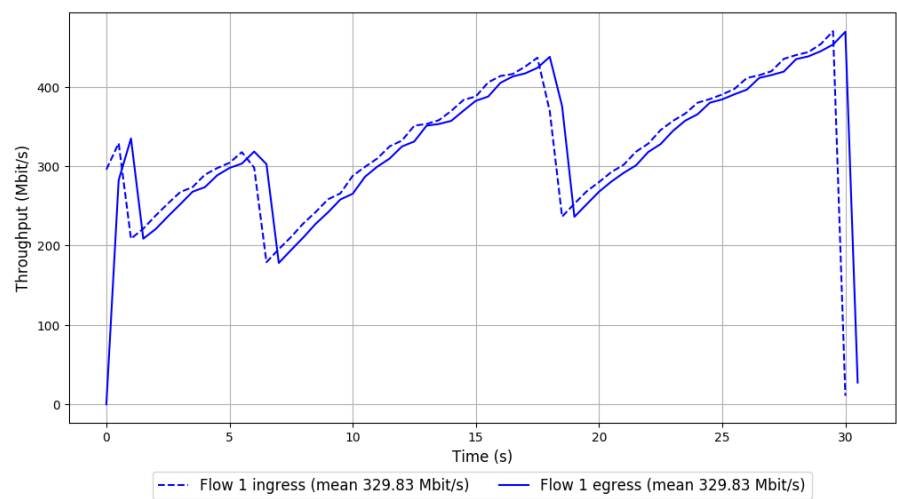


Run 4: Statistics of TCP Vegas

Start at: 2018-08-09 02:30:00
End at: 2018-08-09 02:30:30
Local clock offset: -6.662 ms
Remote clock offset: -6.487 ms

Below is generated by plot.py at 2018-08-09 07:01:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 329.83 Mbit/s
95th percentile per-packet one-way delay: 17.817 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 329.83 Mbit/s
95th percentile per-packet one-way delay: 17.817 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-08-09 02:55:23

End at: 2018-08-09 02:55:53

Local clock offset: -3.512 ms

Remote clock offset: 0.338 ms

Below is generated by plot.py at 2018-08-09 07:01:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 307.48 Mbit/s

95th percentile per-packet one-way delay: 19.520 ms

Loss rate: 0.07%

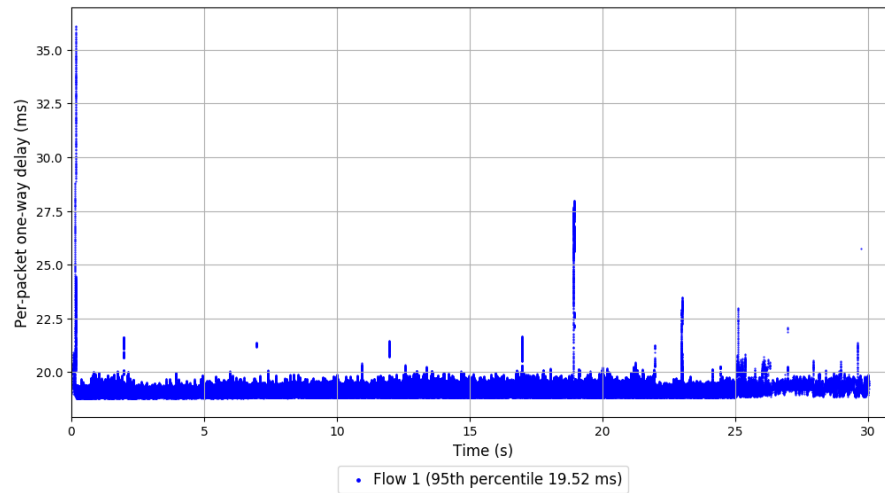
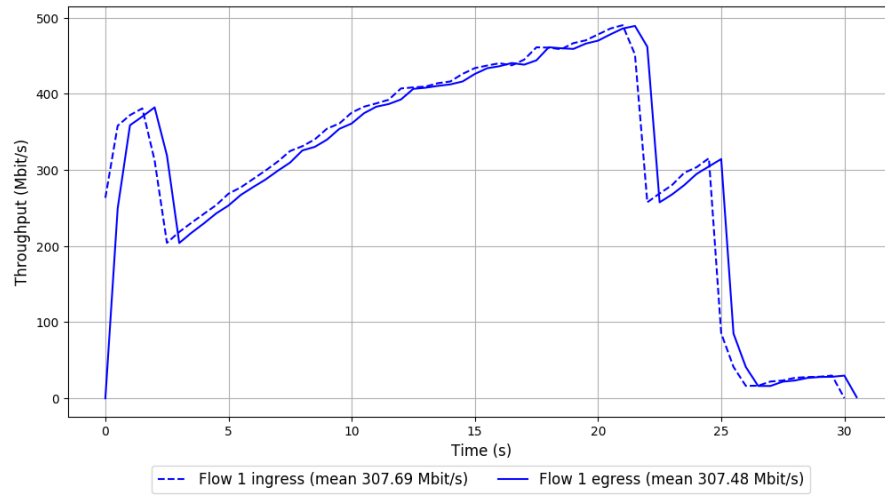
-- Flow 1:

Average throughput: 307.48 Mbit/s

95th percentile per-packet one-way delay: 19.520 ms

Loss rate: 0.07%

Run 5: Report of TCP Vegas — Data Link

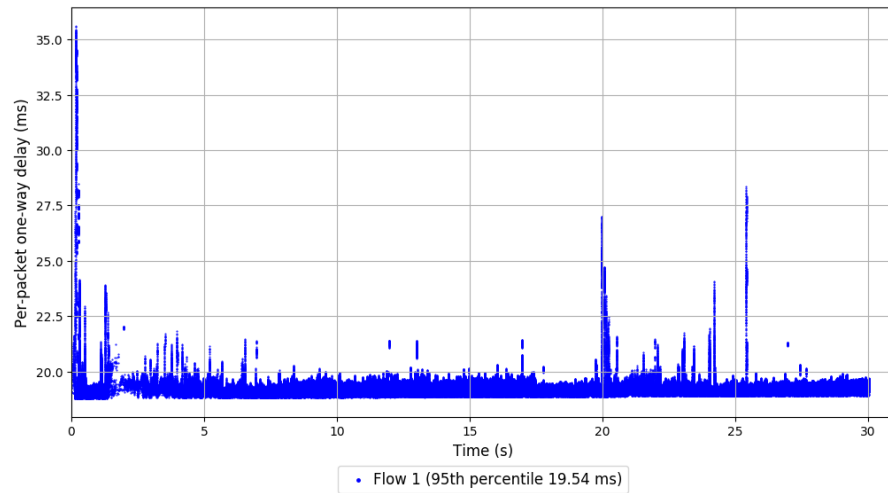
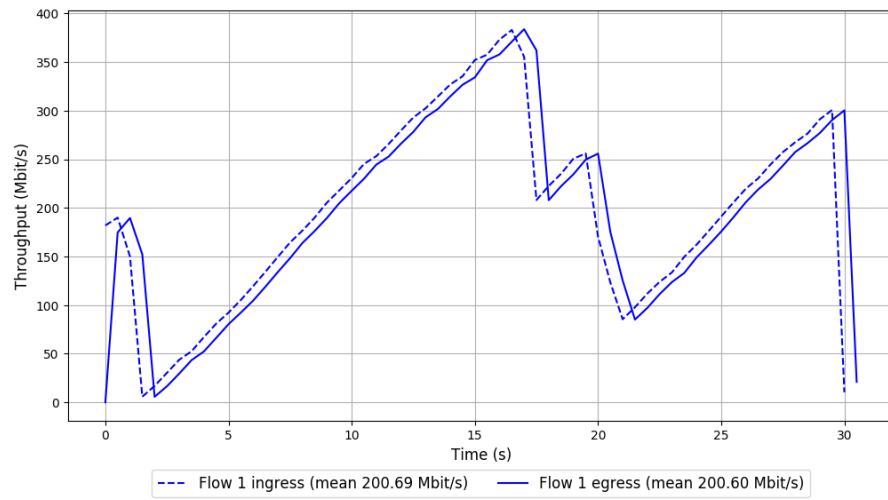


Run 6: Statistics of TCP Vegas

Start at: 2018-08-09 03:20:58
End at: 2018-08-09 03:21:28
Local clock offset: -1.499 ms
Remote clock offset: -1.495 ms

Below is generated by plot.py at 2018-08-09 07:01:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 200.60 Mbit/s
95th percentile per-packet one-way delay: 19.543 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 200.60 Mbit/s
95th percentile per-packet one-way delay: 19.543 ms
Loss rate: 0.05%

Run 6: Report of TCP Vegas — Data Link

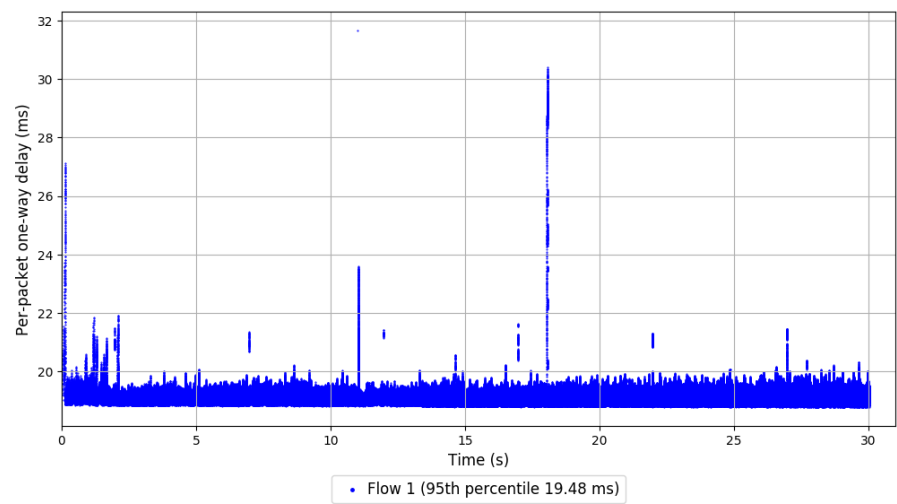
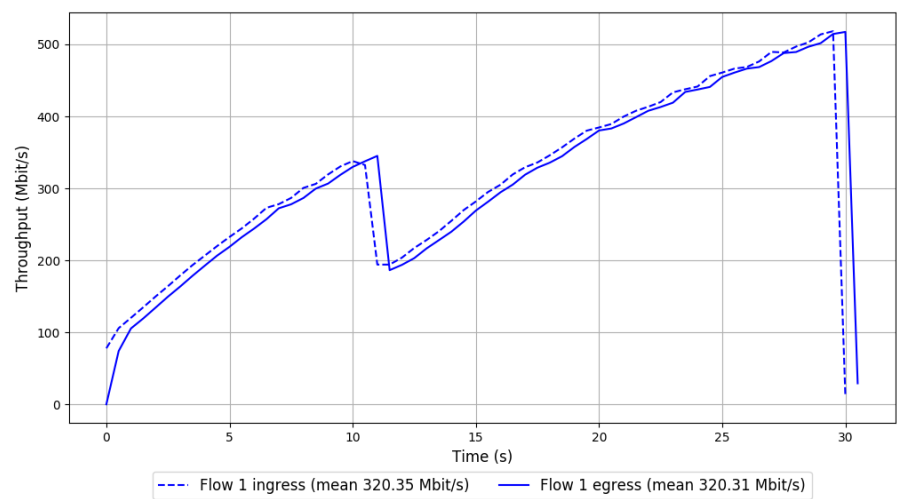


Run 7: Statistics of TCP Vegas

Start at: 2018-08-09 03:46:37
End at: 2018-08-09 03:47:07
Local clock offset: -0.905 ms
Remote clock offset: -1.542 ms

Below is generated by plot.py at 2018-08-09 07:01:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 320.31 Mbit/s
95th percentile per-packet one-way delay: 19.475 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 320.31 Mbit/s
95th percentile per-packet one-way delay: 19.475 ms
Loss rate: 0.02%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-08-09 04:12:16

End at: 2018-08-09 04:12:46

Local clock offset: 3.491 ms

Remote clock offset: 4.566 ms

Below is generated by plot.py at 2018-08-09 07:01:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 270.50 Mbit/s

95th percentile per-packet one-way delay: 17.695 ms

Loss rate: 0.02%

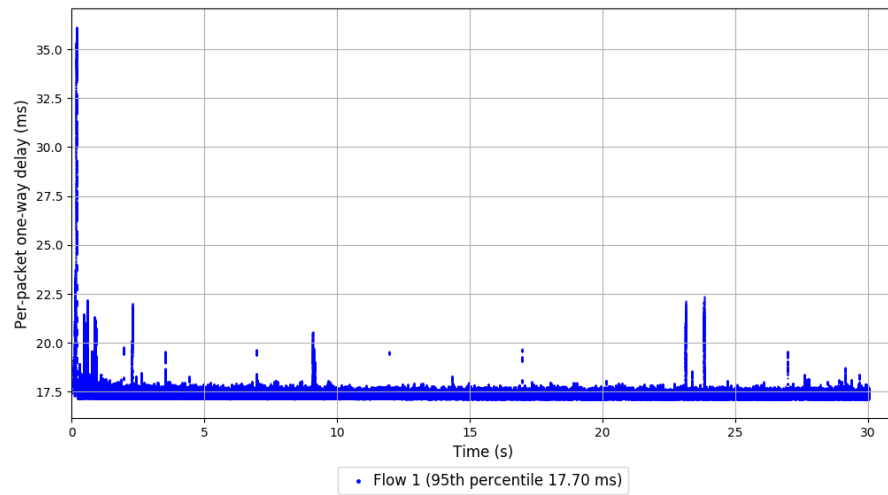
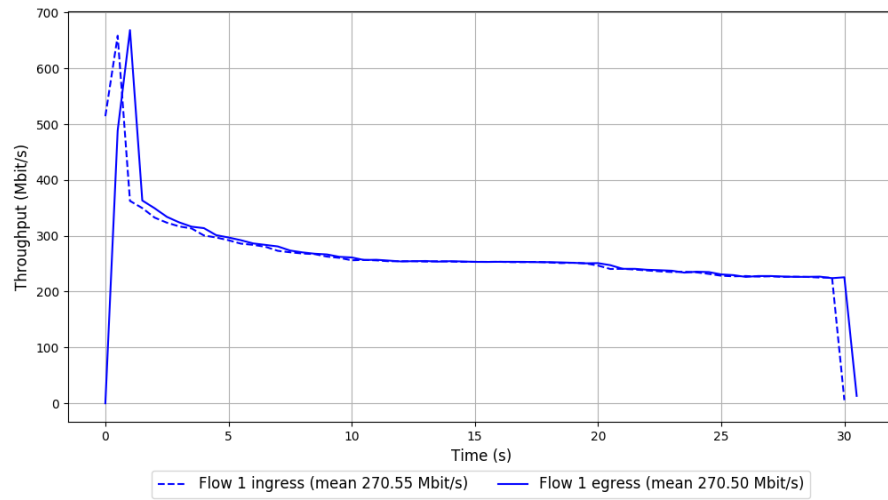
-- Flow 1:

Average throughput: 270.50 Mbit/s

95th percentile per-packet one-way delay: 17.695 ms

Loss rate: 0.02%

Run 8: Report of TCP Vegas — Data Link

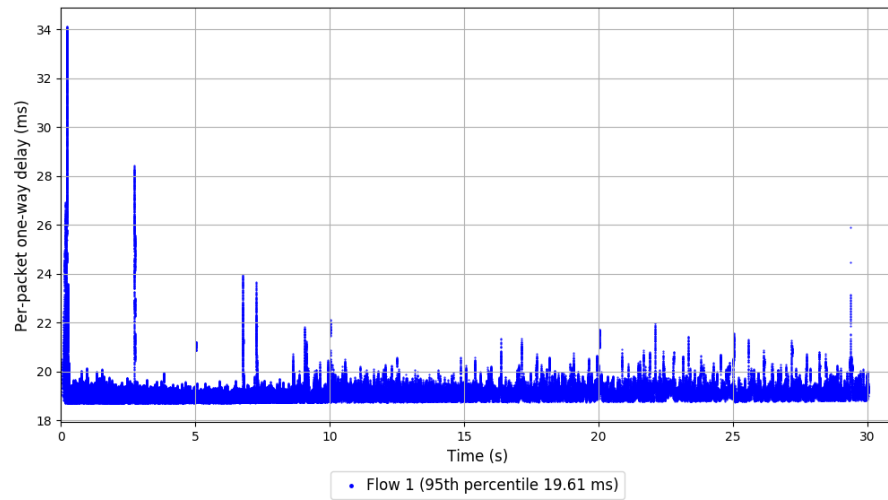
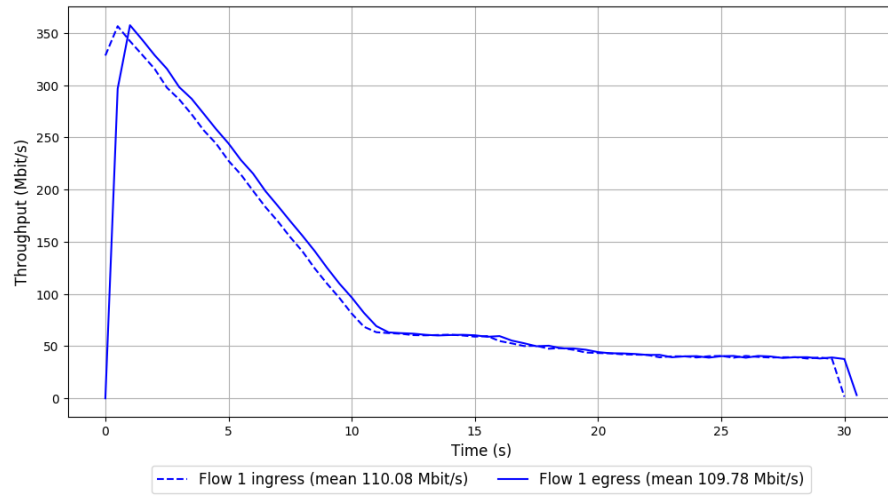


Run 9: Statistics of TCP Vegas

Start at: 2018-08-09 04:38:00
End at: 2018-08-09 04:38:30
Local clock offset: 3.51 ms
Remote clock offset: -2.569 ms

Below is generated by plot.py at 2018-08-09 07:01:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 109.78 Mbit/s
95th percentile per-packet one-way delay: 19.609 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 109.78 Mbit/s
95th percentile per-packet one-way delay: 19.609 ms
Loss rate: 0.27%

Run 9: Report of TCP Vegas — Data Link

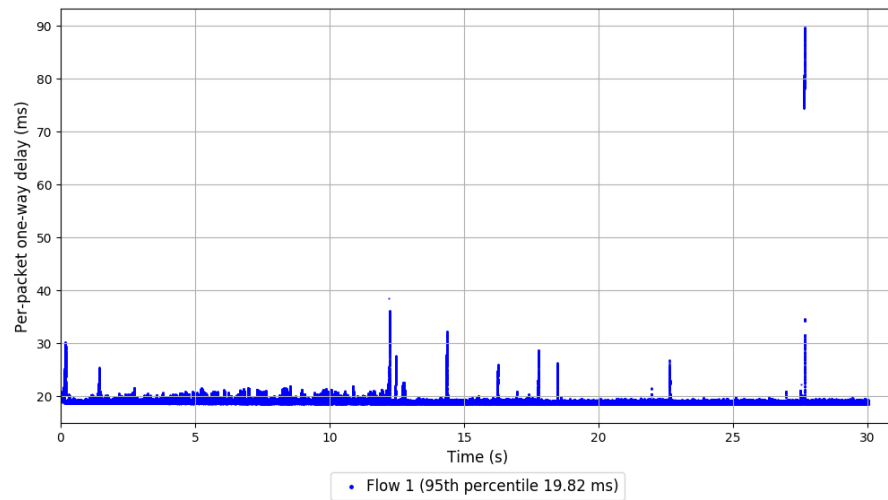
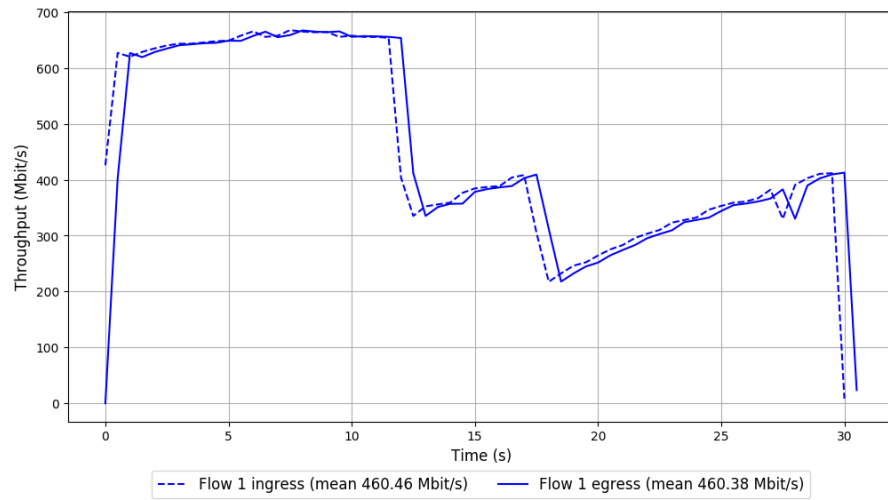


Run 10: Statistics of TCP Vegas

Start at: 2018-08-09 05:03:41
End at: 2018-08-09 05:04:11
Local clock offset: -0.531 ms
Remote clock offset: -0.701 ms

Below is generated by plot.py at 2018-08-09 07:04:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 460.38 Mbit/s
95th percentile per-packet one-way delay: 19.821 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 460.38 Mbit/s
95th percentile per-packet one-way delay: 19.821 ms
Loss rate: 0.02%

Run 10: Report of TCP Vegas — Data Link

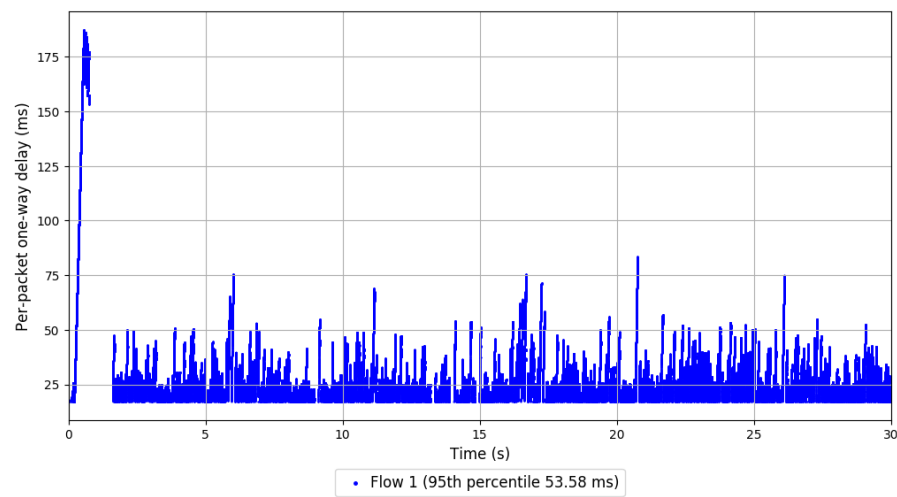
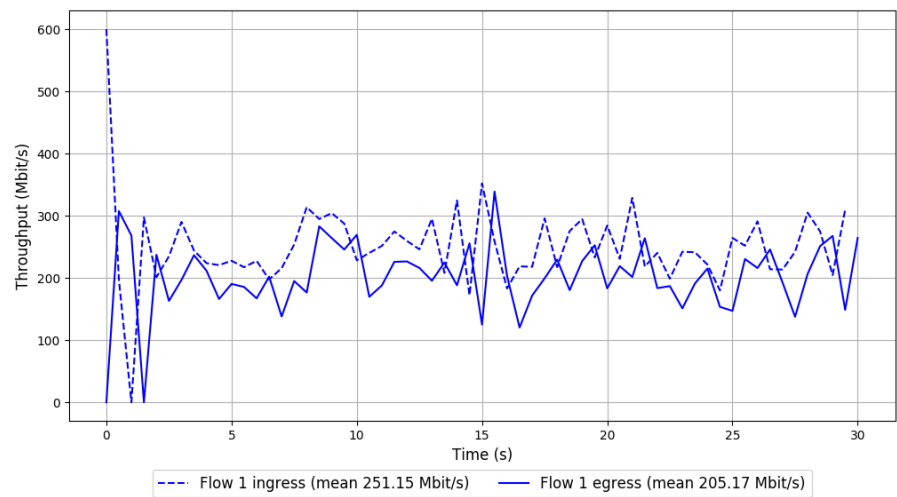


Run 1: Statistics of Verus

Start at: 2018-08-09 01:03:05
End at: 2018-08-09 01:03:35
Local clock offset: -23.557 ms
Remote clock offset: 3.553 ms

Below is generated by plot.py at 2018-08-09 07:04:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.17 Mbit/s
95th percentile per-packet one-way delay: 53.578 ms
Loss rate: 18.30%
-- Flow 1:
Average throughput: 205.17 Mbit/s
95th percentile per-packet one-way delay: 53.578 ms
Loss rate: 18.30%

Run 1: Report of Verus — Data Link

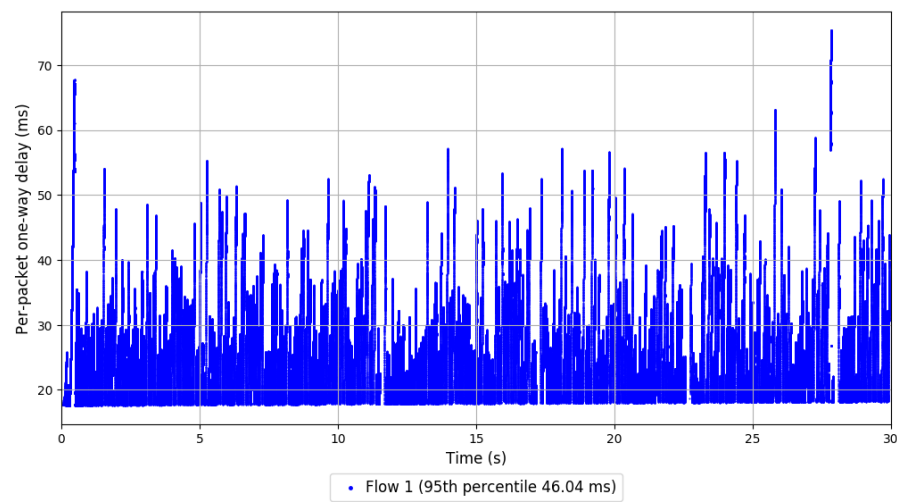
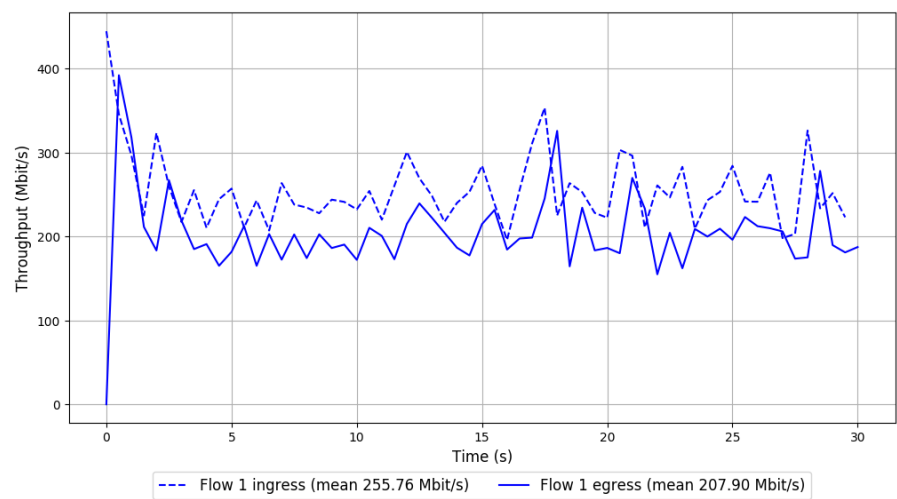


Run 2: Statistics of Verus

Start at: 2018-08-09 01:28:13
End at: 2018-08-09 01:28:43
Local clock offset: -10.989 ms
Remote clock offset: 3.689 ms

Below is generated by plot.py at 2018-08-09 07:04:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 207.90 Mbit/s
95th percentile per-packet one-way delay: 46.036 ms
Loss rate: 18.67%
-- Flow 1:
Average throughput: 207.90 Mbit/s
95th percentile per-packet one-way delay: 46.036 ms
Loss rate: 18.67%

Run 2: Report of Verus — Data Link

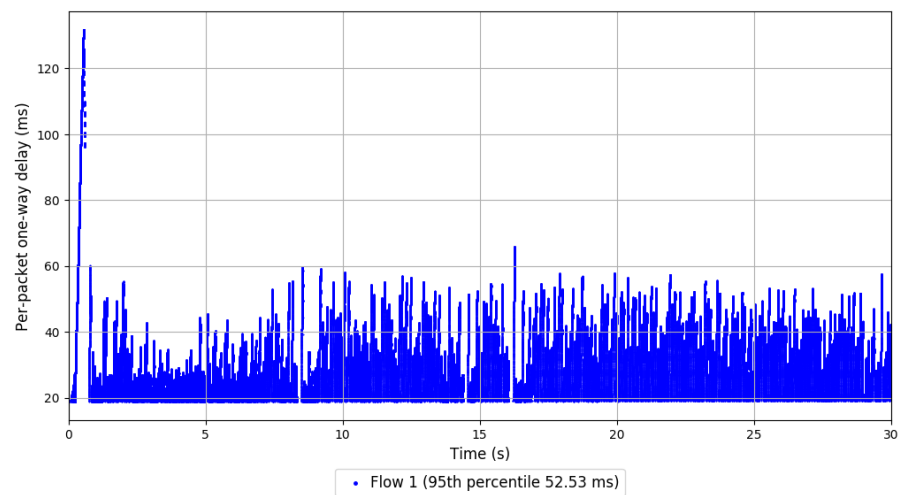
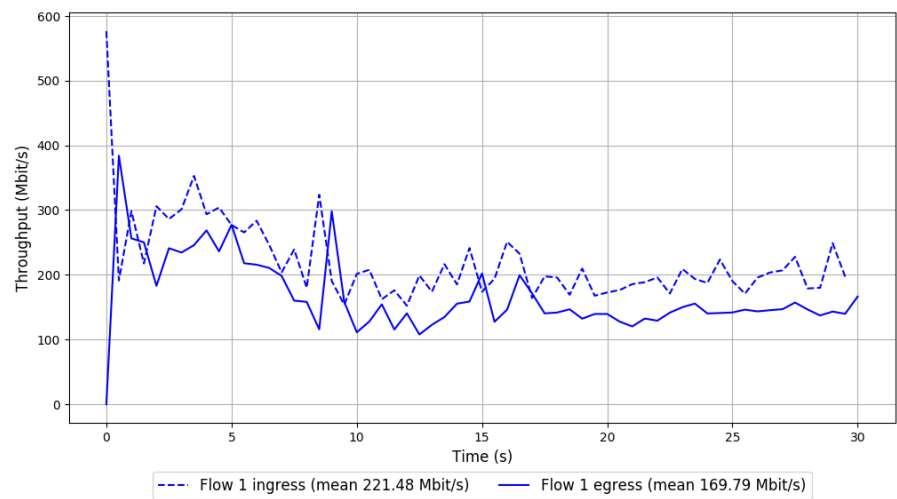


Run 3: Statistics of Verus

Start at: 2018-08-09 01:53:40
End at: 2018-08-09 01:54:10
Local clock offset: -7.156 ms
Remote clock offset: -4.033 ms

Below is generated by plot.py at 2018-08-09 07:04:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 169.79 Mbit/s
95th percentile per-packet one-way delay: 52.532 ms
Loss rate: 23.28%
-- Flow 1:
Average throughput: 169.79 Mbit/s
95th percentile per-packet one-way delay: 52.532 ms
Loss rate: 23.28%

Run 3: Report of Verus — Data Link

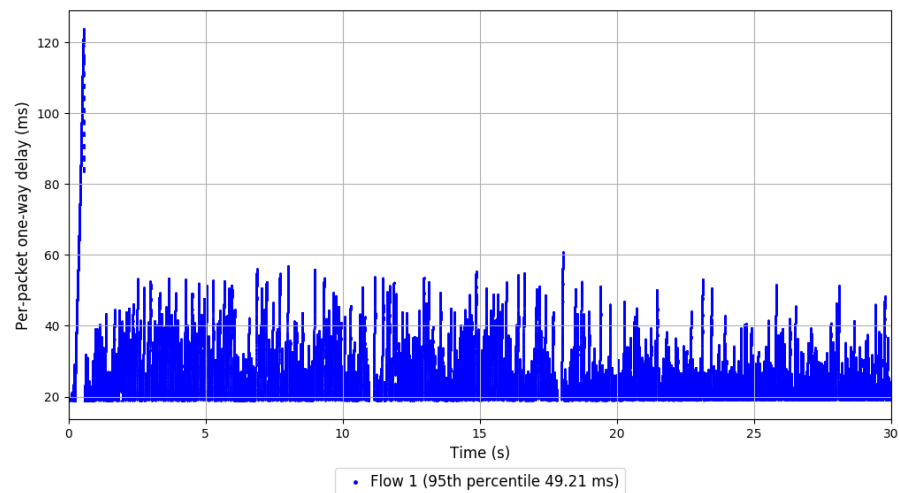
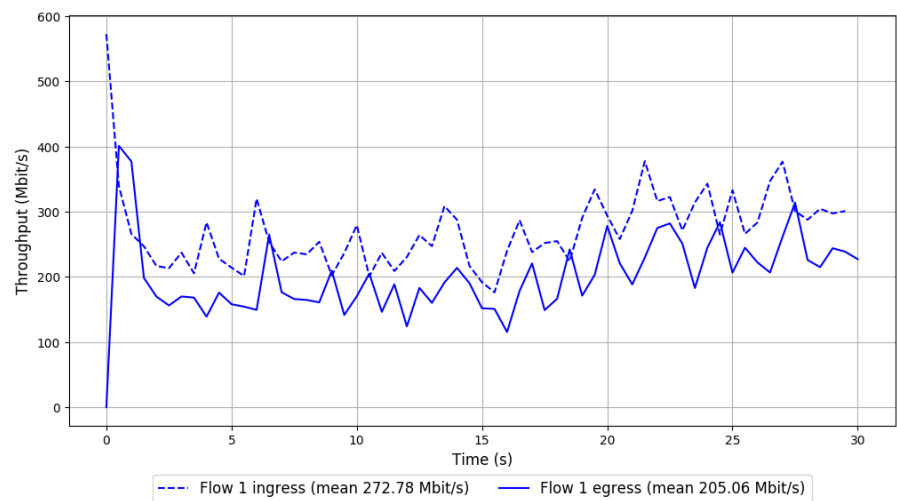


Run 4: Statistics of Verus

Start at: 2018-08-09 02:19:06
End at: 2018-08-09 02:19:36
Local clock offset: -7.899 ms
Remote clock offset: -5.947 ms

Below is generated by plot.py at 2018-08-09 07:04:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.06 Mbit/s
95th percentile per-packet one-way delay: 49.210 ms
Loss rate: 24.81%
-- Flow 1:
Average throughput: 205.06 Mbit/s
95th percentile per-packet one-way delay: 49.210 ms
Loss rate: 24.81%

Run 4: Report of Verus — Data Link

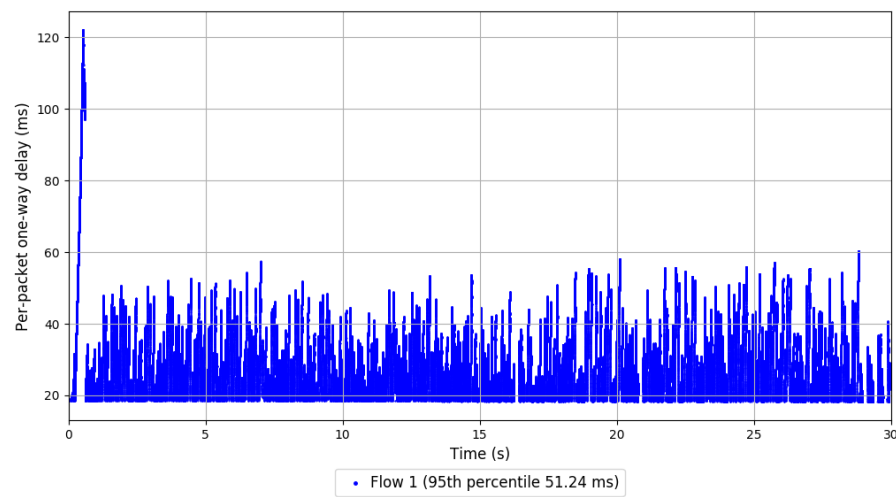
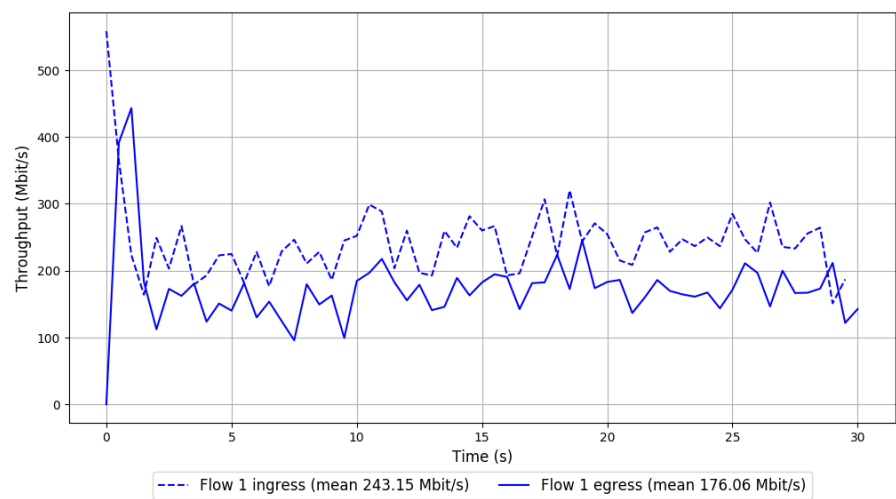


Run 5: Statistics of Verus

Start at: 2018-08-09 02:44:45
End at: 2018-08-09 02:45:15
Local clock offset: -8.716 ms
Remote clock offset: -2.237 ms

Below is generated by plot.py at 2018-08-09 07:04:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 176.06 Mbit/s
95th percentile per-packet one-way delay: 51.236 ms
Loss rate: 27.59%
-- Flow 1:
Average throughput: 176.06 Mbit/s
95th percentile per-packet one-way delay: 51.236 ms
Loss rate: 27.59%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-08-09 03:10:04

End at: 2018-08-09 03:10:34

Local clock offset: -2.113 ms

Remote clock offset: 1.915 ms

Below is generated by plot.py at 2018-08-09 07:04:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 201.65 Mbit/s

95th percentile per-packet one-way delay: 47.838 ms

Loss rate: 21.99%

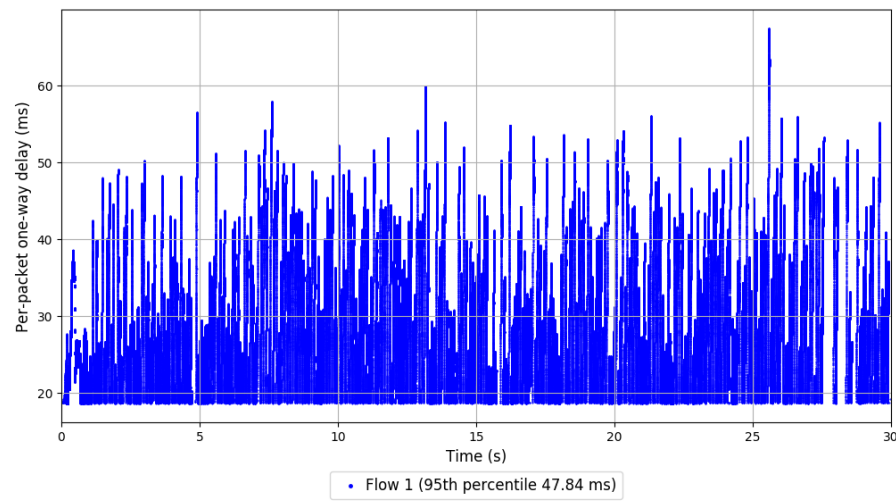
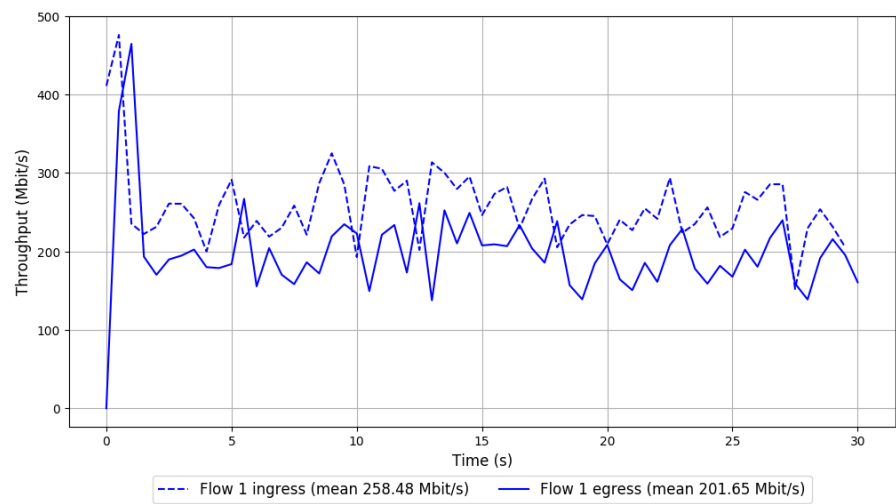
-- Flow 1:

Average throughput: 201.65 Mbit/s

95th percentile per-packet one-way delay: 47.838 ms

Loss rate: 21.99%

Run 6: Report of Verus — Data Link

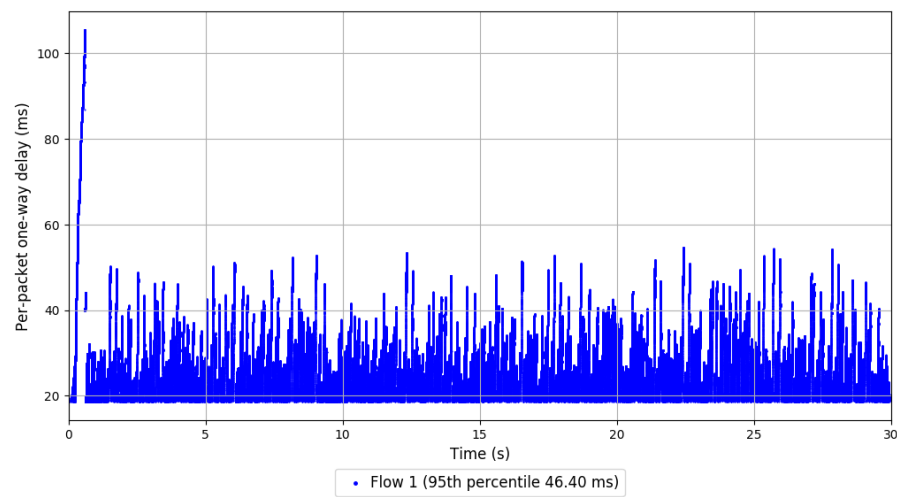
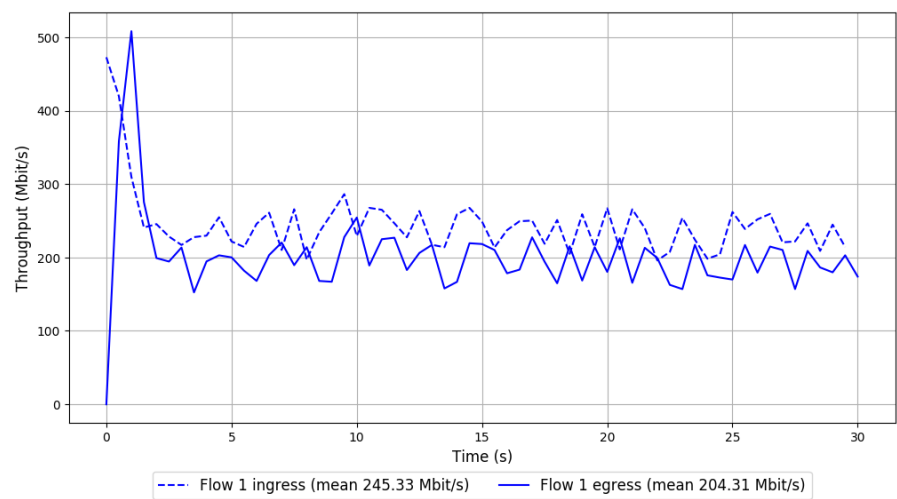


Run 7: Statistics of Verus

Start at: 2018-08-09 03:35:38
End at: 2018-08-09 03:36:08
Local clock offset: -0.866 ms
Remote clock offset: -2.602 ms

Below is generated by plot.py at 2018-08-09 07:04:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 204.31 Mbit/s
95th percentile per-packet one-way delay: 46.402 ms
Loss rate: 16.72%
-- Flow 1:
Average throughput: 204.31 Mbit/s
95th percentile per-packet one-way delay: 46.402 ms
Loss rate: 16.72%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-08-09 04:01:21

End at: 2018-08-09 04:01:51

Local clock offset: 2.779 ms

Remote clock offset: 3.226 ms

Below is generated by plot.py at 2018-08-09 07:04:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.59 Mbit/s

95th percentile per-packet one-way delay: 43.717 ms

Loss rate: 16.68%

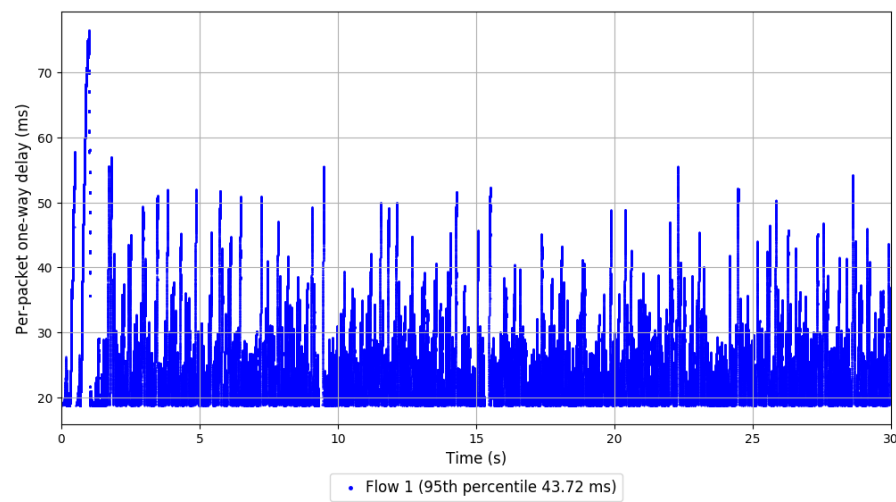
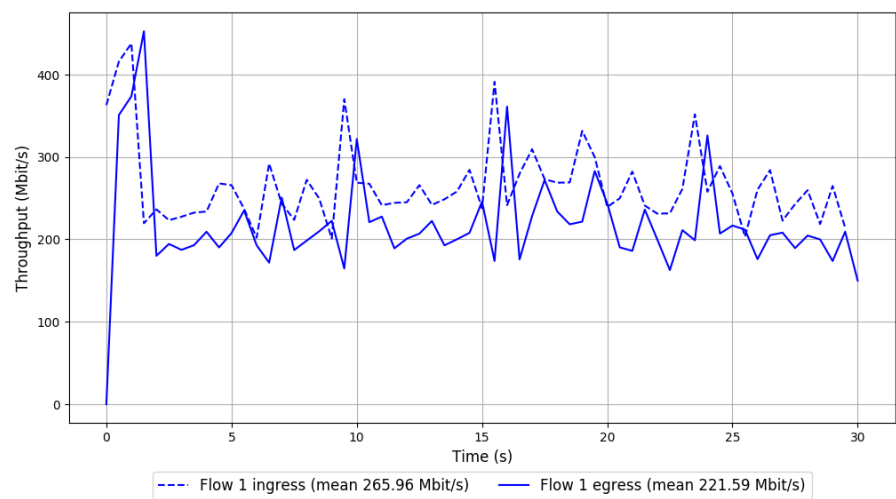
-- Flow 1:

Average throughput: 221.59 Mbit/s

95th percentile per-packet one-way delay: 43.717 ms

Loss rate: 16.68%

Run 8: Report of Verus — Data Link

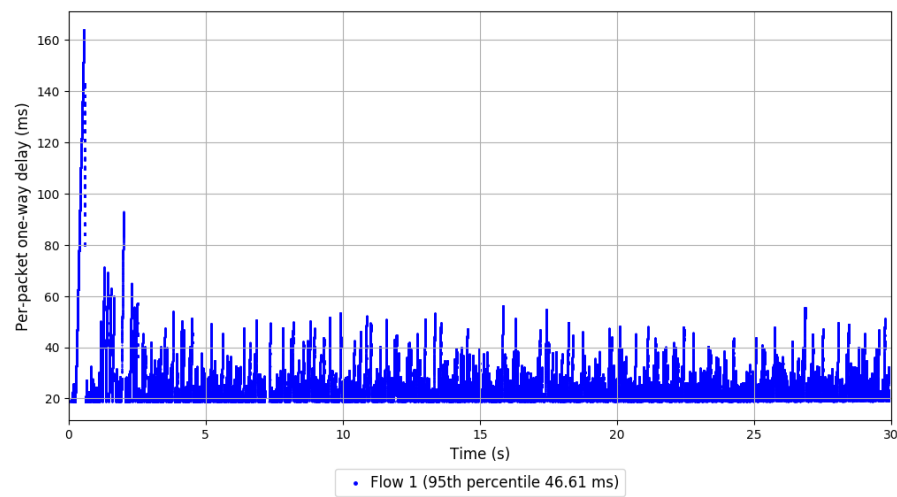
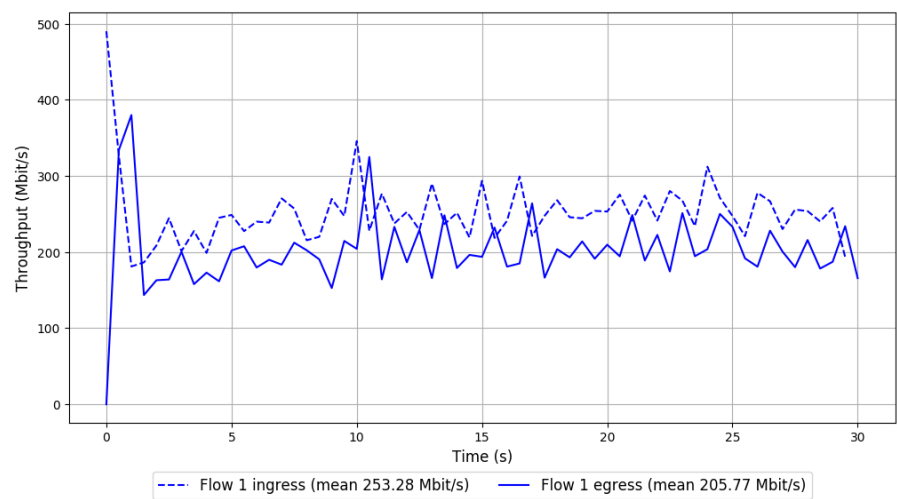


Run 9: Statistics of Verus

Start at: 2018-08-09 04:27:06
End at: 2018-08-09 04:27:36
Local clock offset: 3.391 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-08-09 07:04:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.77 Mbit/s
95th percentile per-packet one-way delay: 46.612 ms
Loss rate: 18.75%
-- Flow 1:
Average throughput: 205.77 Mbit/s
95th percentile per-packet one-way delay: 46.612 ms
Loss rate: 18.75%

Run 9: Report of Verus — Data Link

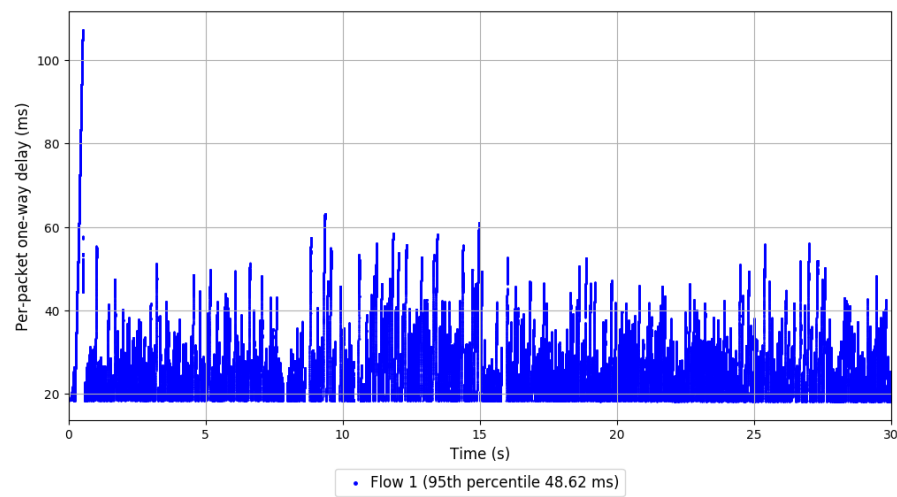
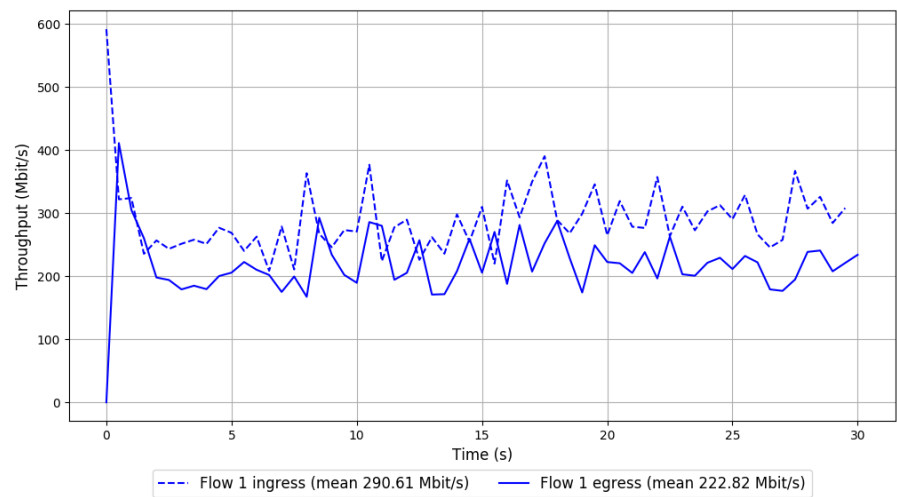


Run 10: Statistics of Verus

Start at: 2018-08-09 04:52:47
End at: 2018-08-09 04:53:17
Local clock offset: 1.253 ms
Remote clock offset: -3.866 ms

Below is generated by plot.py at 2018-08-09 07:05:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 222.82 Mbit/s
95th percentile per-packet one-way delay: 48.620 ms
Loss rate: 23.31%
-- Flow 1:
Average throughput: 222.82 Mbit/s
95th percentile per-packet one-way delay: 48.620 ms
Loss rate: 23.31%

Run 10: Report of Verus — Data Link

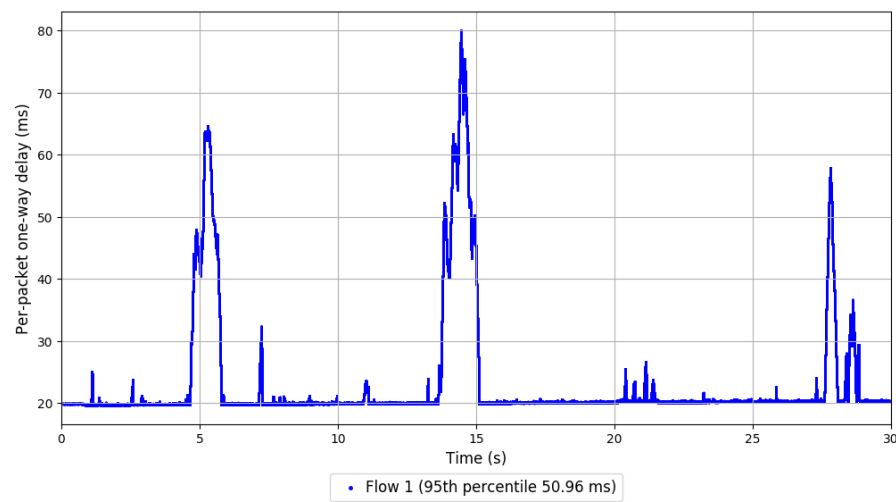
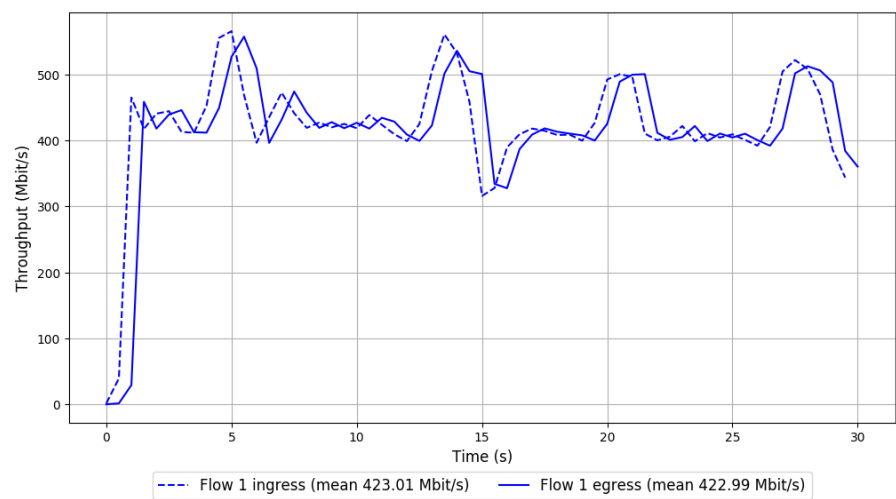


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-09 01:22:26
End at: 2018-08-09 01:22:56
Local clock offset: -16.412 ms
Remote clock offset: 3.55 ms

Below is generated by plot.py at 2018-08-09 07:07:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 422.99 Mbit/s
95th percentile per-packet one-way delay: 50.957 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 422.99 Mbit/s
95th percentile per-packet one-way delay: 50.957 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

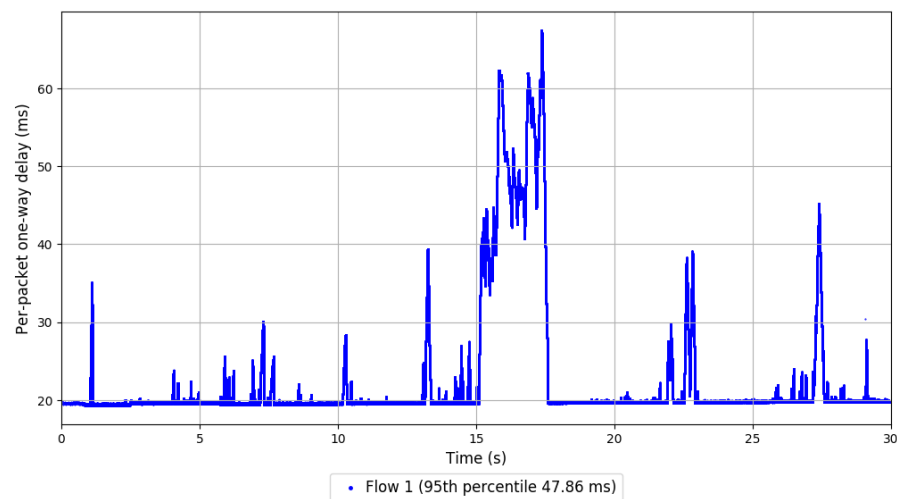
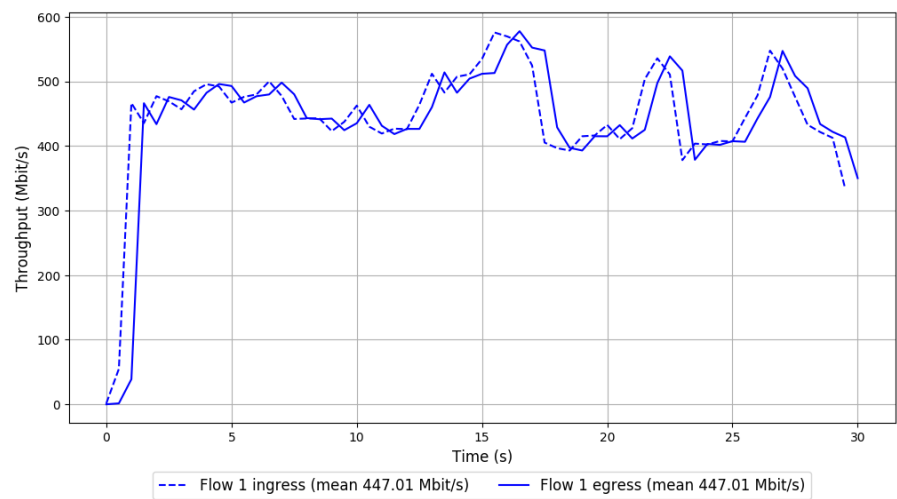


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-09 01:47:57
End at: 2018-08-09 01:48:27
Local clock offset: -10.612 ms
Remote clock offset: -3.383 ms

Below is generated by plot.py at 2018-08-09 07:08:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 447.01 Mbit/s
95th percentile per-packet one-way delay: 47.863 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 447.01 Mbit/s
95th percentile per-packet one-way delay: 47.863 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-08-09 02:13:24

End at: 2018-08-09 02:13:54

Local clock offset: -8.573 ms

Remote clock offset: -5.541 ms

Below is generated by plot.py at 2018-08-09 07:08:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 408.96 Mbit/s

95th percentile per-packet one-way delay: 20.344 ms

Loss rate: 0.00%

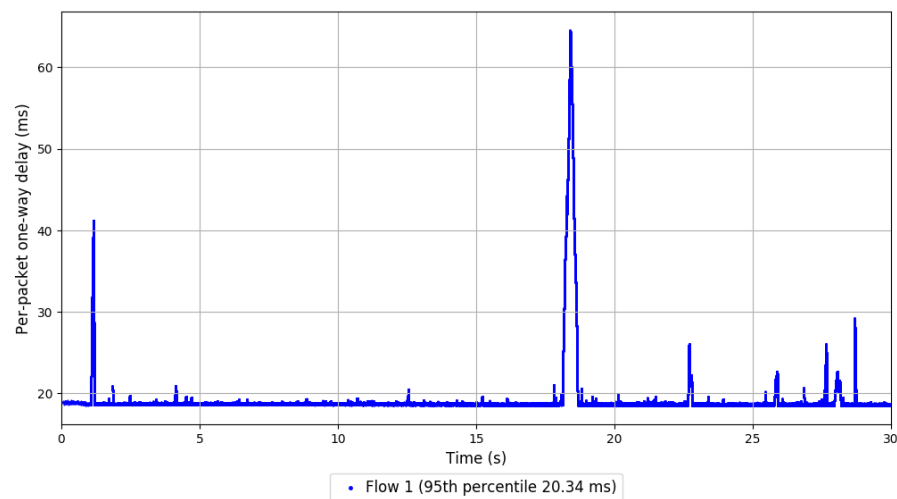
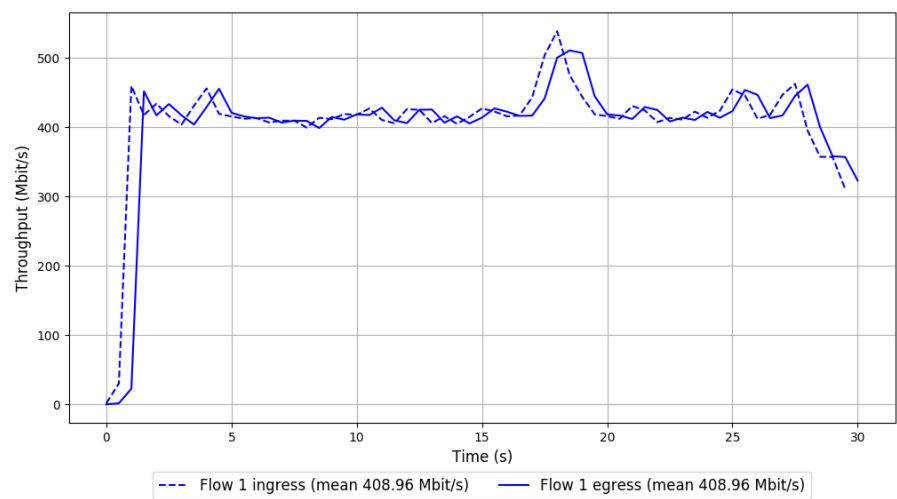
-- Flow 1:

Average throughput: 408.96 Mbit/s

95th percentile per-packet one-way delay: 20.344 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

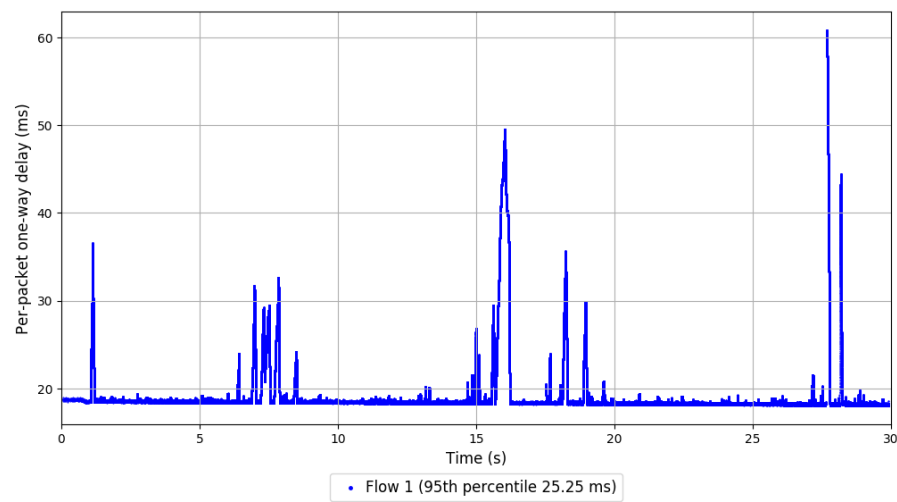
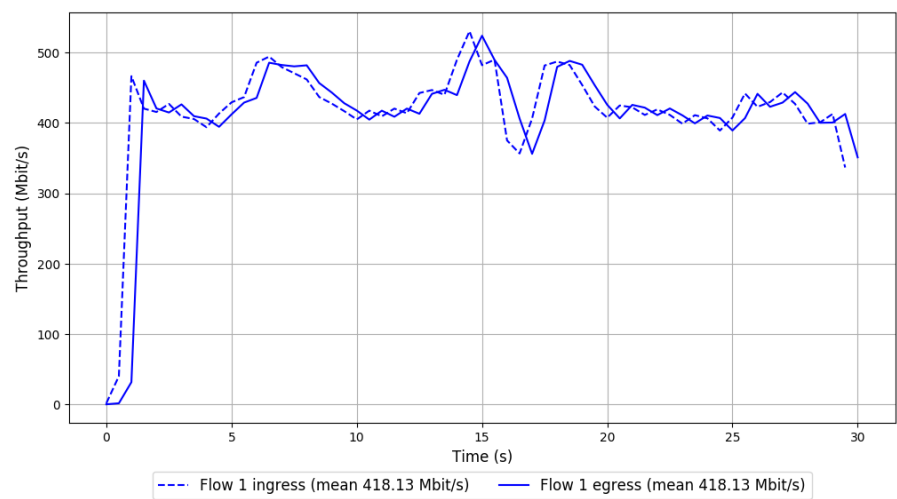


Run 4: Statistics of PCC-Vivace

Start at: 2018-08-09 02:38:58
End at: 2018-08-09 02:39:28
Local clock offset: -7.721 ms
Remote clock offset: -5.009 ms

Below is generated by plot.py at 2018-08-09 07:09:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 418.13 Mbit/s
95th percentile per-packet one-way delay: 25.255 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 418.13 Mbit/s
95th percentile per-packet one-way delay: 25.255 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-08-09 03:04:18

End at: 2018-08-09 03:04:48

Local clock offset: -2.184 ms

Remote clock offset: 1.38 ms

Below is generated by plot.py at 2018-08-09 07:09:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 375.95 Mbit/s

95th percentile per-packet one-way delay: 19.960 ms

Loss rate: 0.28%

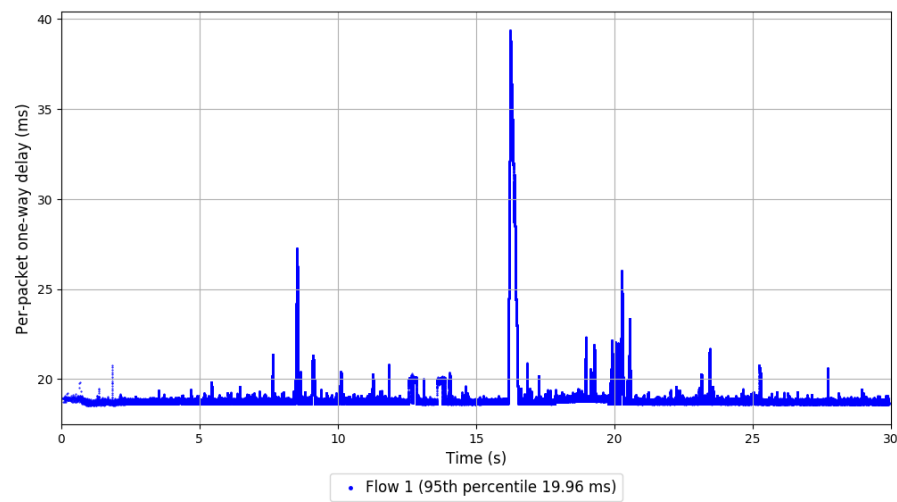
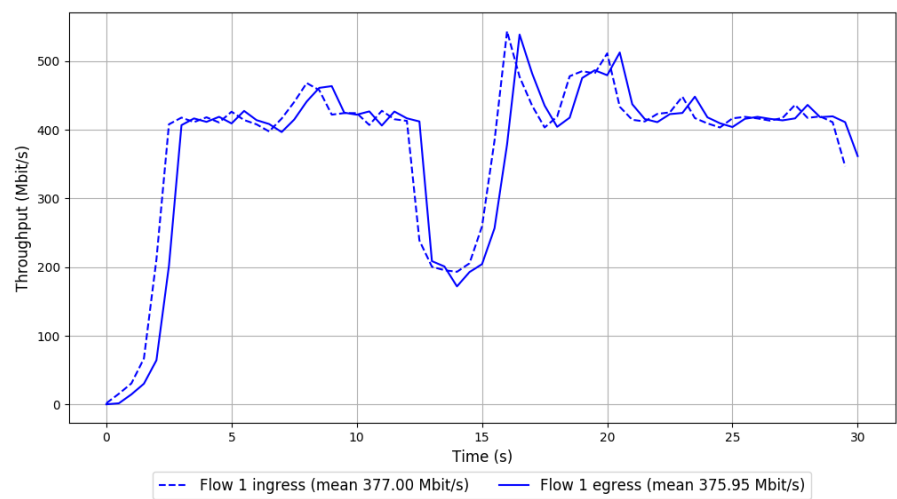
-- Flow 1:

Average throughput: 375.95 Mbit/s

95th percentile per-packet one-way delay: 19.960 ms

Loss rate: 0.28%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-08-09 03:29:55

End at: 2018-08-09 03:30:25

Local clock offset: -0.85 ms

Remote clock offset: -2.314 ms

Below is generated by plot.py at 2018-08-09 07:09:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 374.36 Mbit/s

95th percentile per-packet one-way delay: 17.819 ms

Loss rate: 0.07%

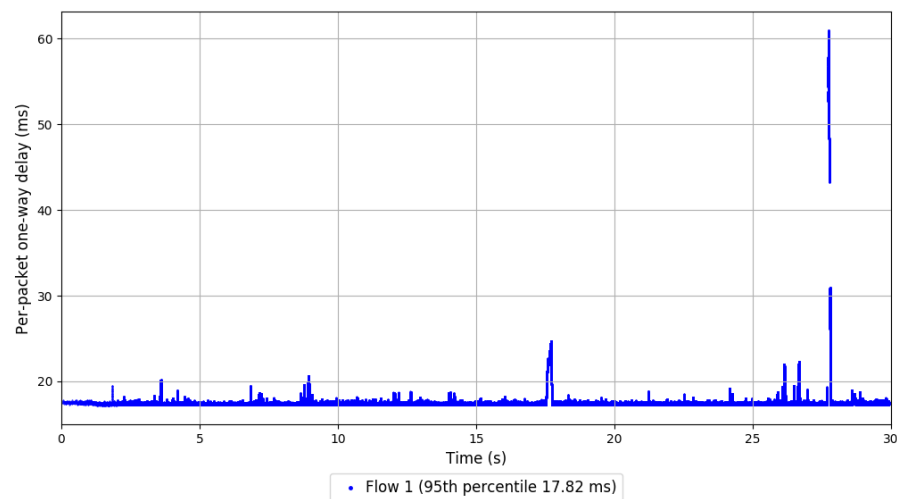
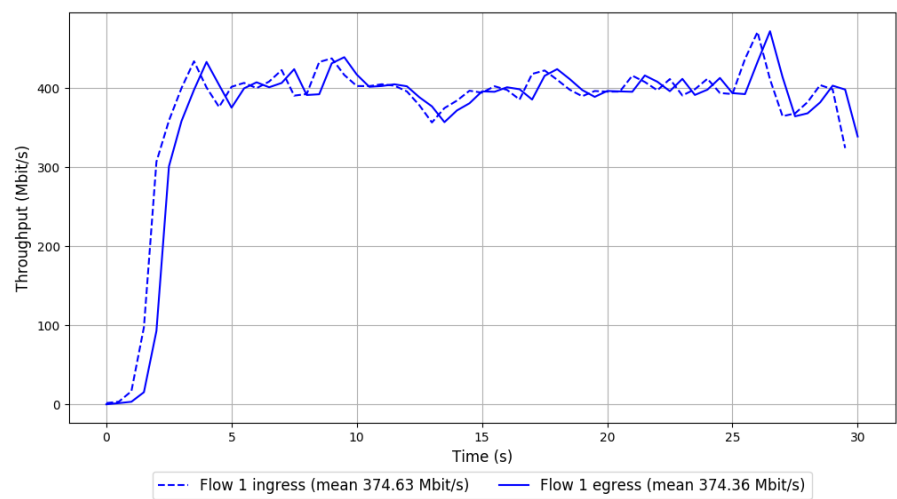
-- Flow 1:

Average throughput: 374.36 Mbit/s

95th percentile per-packet one-way delay: 17.819 ms

Loss rate: 0.07%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-08-09 03:55:40

End at: 2018-08-09 03:56:10

Local clock offset: 2.001 ms

Remote clock offset: 2.022 ms

Below is generated by plot.py at 2018-08-09 07:09:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 372.36 Mbit/s

95th percentile per-packet one-way delay: 23.144 ms

Loss rate: 0.00%

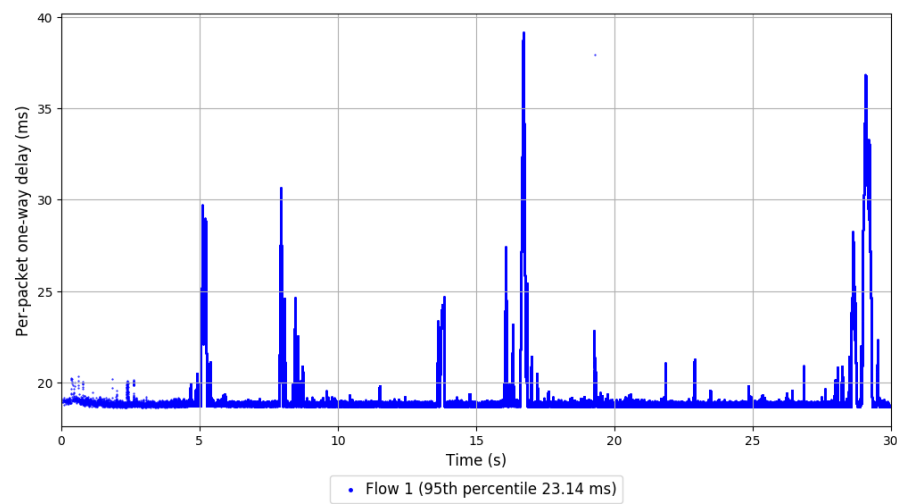
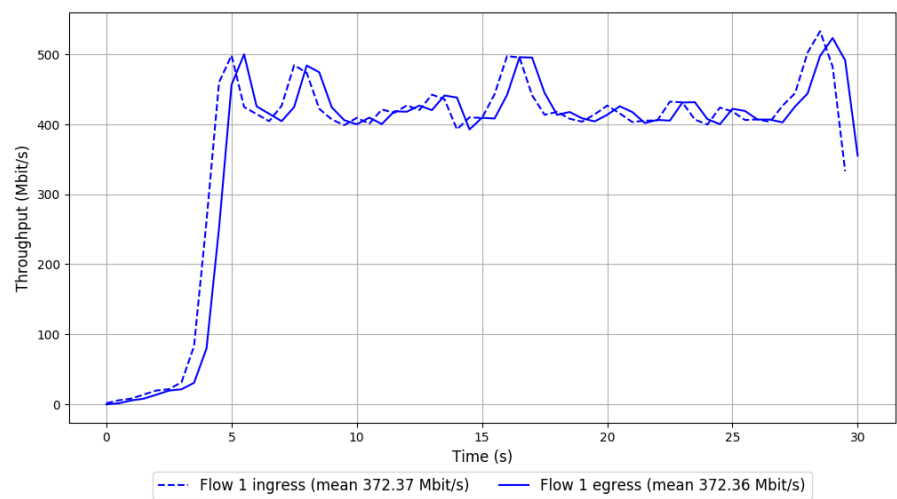
-- Flow 1:

Average throughput: 372.36 Mbit/s

95th percentile per-packet one-way delay: 23.144 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-08-09 04:21:19

End at: 2018-08-09 04:21:49

Local clock offset: 3.46 ms

Remote clock offset: 3.302 ms

Below is generated by plot.py at 2018-08-09 07:09:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 414.60 Mbit/s

95th percentile per-packet one-way delay: 25.304 ms

Loss rate: 0.00%

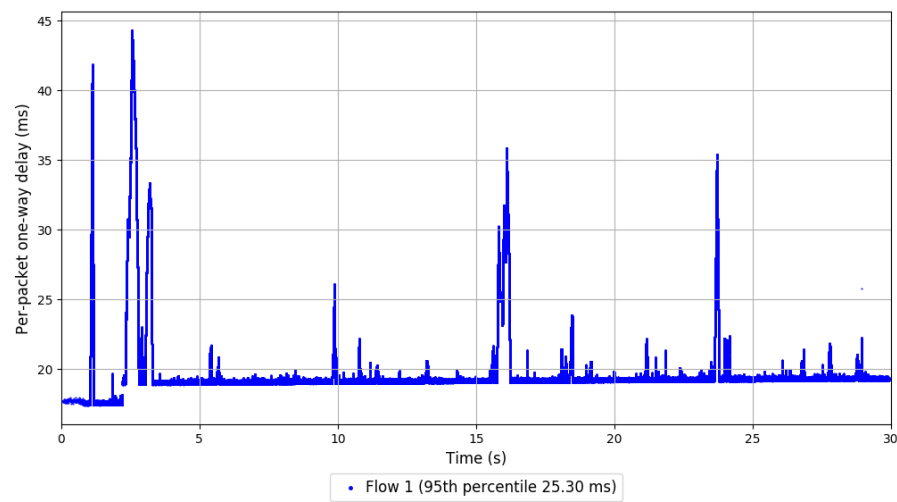
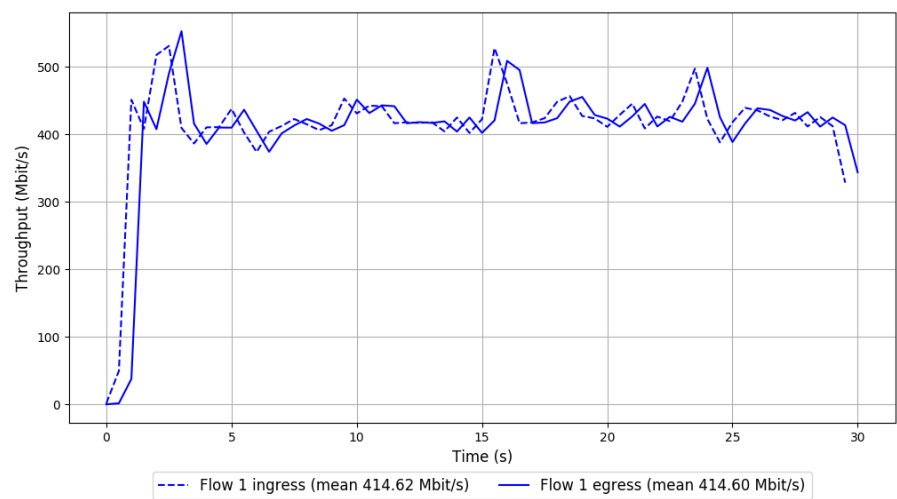
-- Flow 1:

Average throughput: 414.60 Mbit/s

95th percentile per-packet one-way delay: 25.304 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link

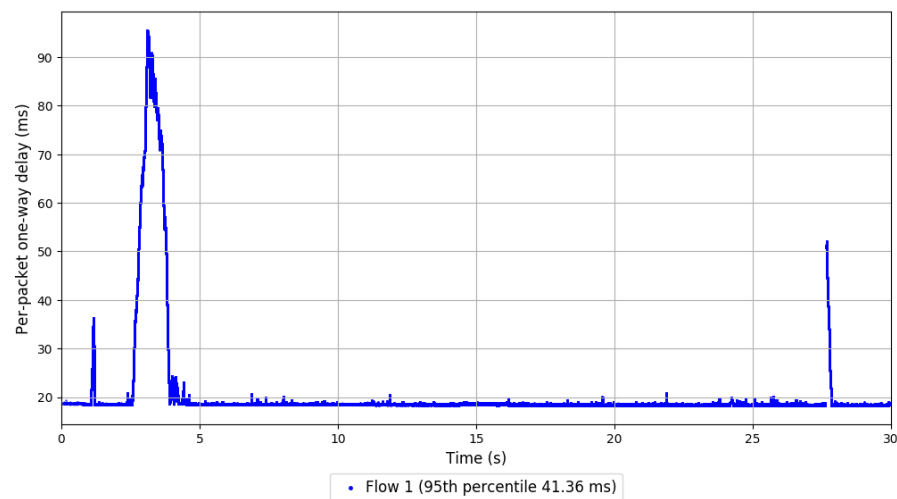
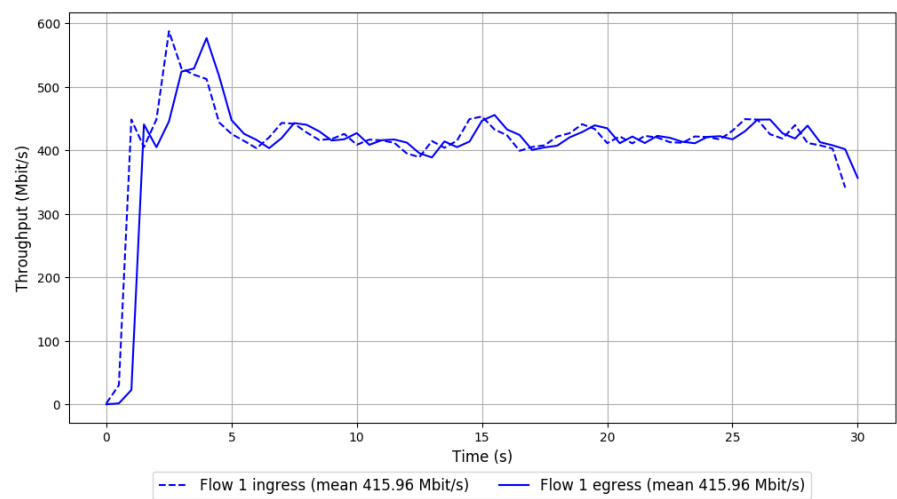


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-09 04:47:00
End at: 2018-08-09 04:47:30
Local clock offset: 3.193 ms
Remote clock offset: -3.468 ms

Below is generated by plot.py at 2018-08-09 07:10:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 415.96 Mbit/s
95th percentile per-packet one-way delay: 41.356 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 415.96 Mbit/s
95th percentile per-packet one-way delay: 41.356 ms
Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-08-09 05:12:45

End at: 2018-08-09 05:13:15

Local clock offset: -1.254 ms

Remote clock offset: 0.478 ms

Below is generated by plot.py at 2018-08-09 07:10:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 391.32 Mbit/s

95th percentile per-packet one-way delay: 18.209 ms

Loss rate: 0.00%

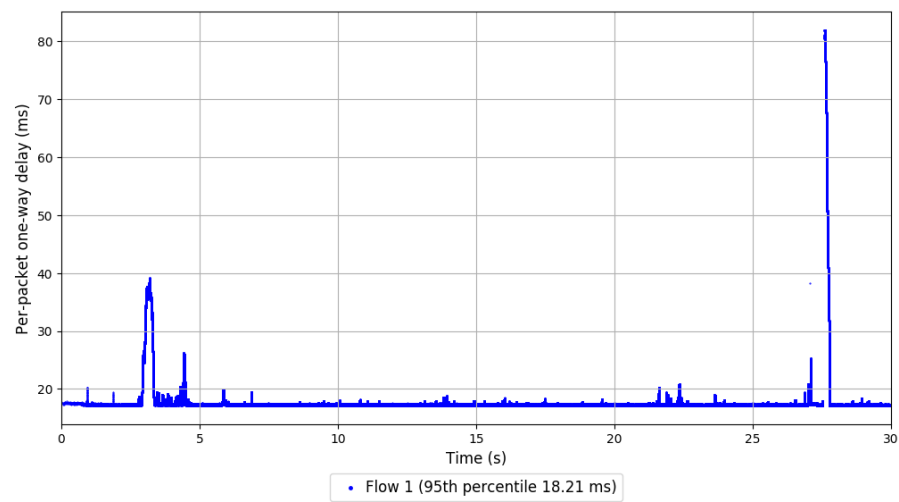
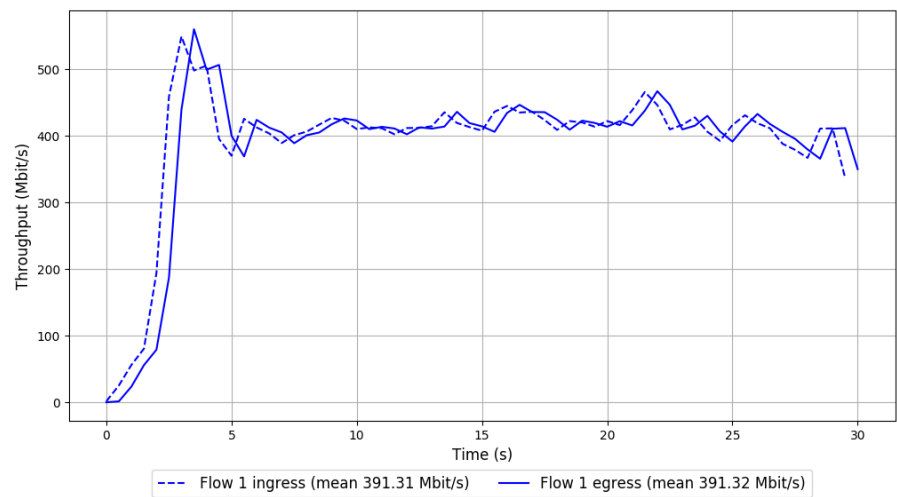
-- Flow 1:

Average throughput: 391.32 Mbit/s

95th percentile per-packet one-way delay: 18.209 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

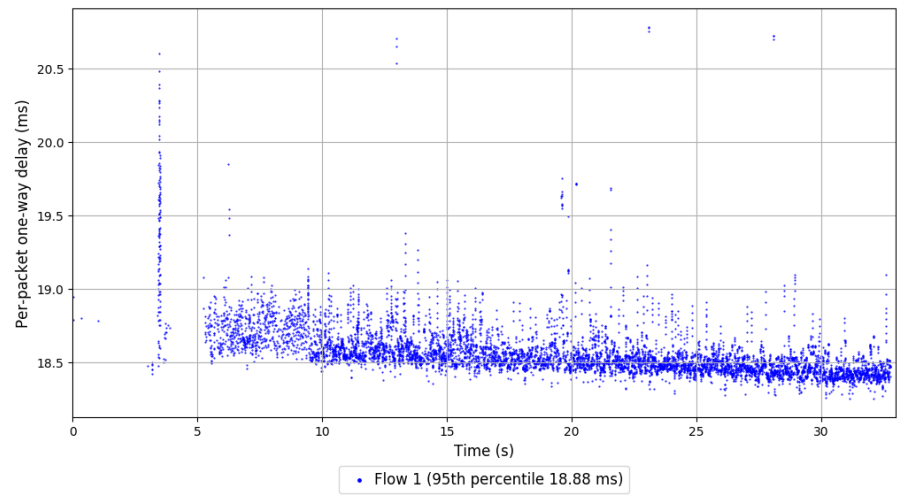
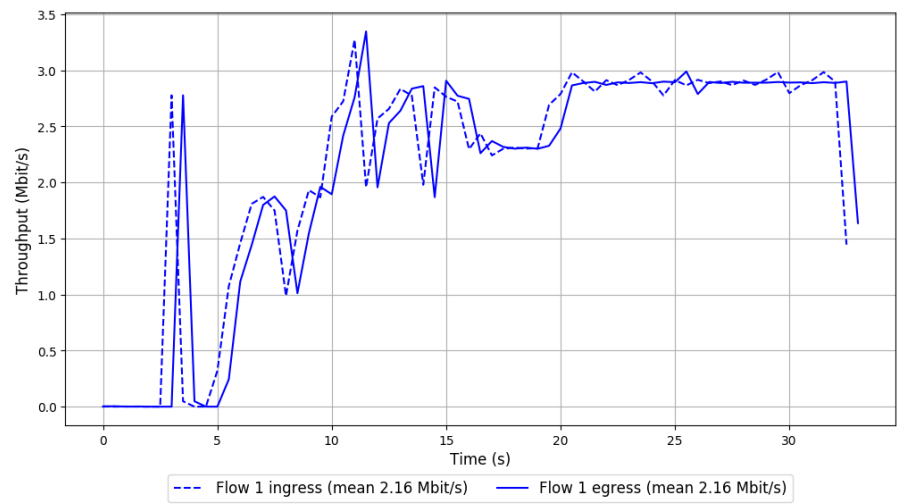


Run 1: Statistics of WebRTC media

Start at: 2018-08-09 01:04:32
End at: 2018-08-09 01:05:02
Local clock offset: -23.891 ms
Remote clock offset: 3.499 ms

Below is generated by plot.py at 2018-08-09 07:10:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 18.876 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 18.876 ms
Loss rate: 0.11%

Run 1: Report of WebRTC media — Data Link

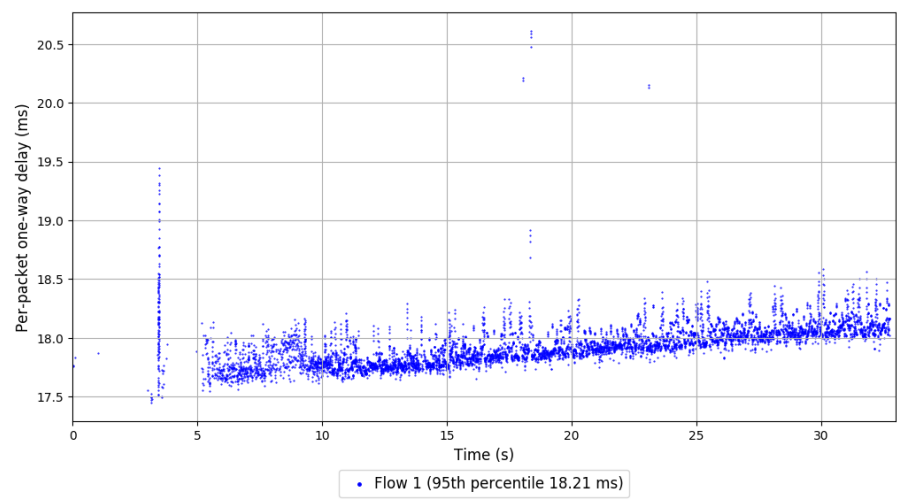
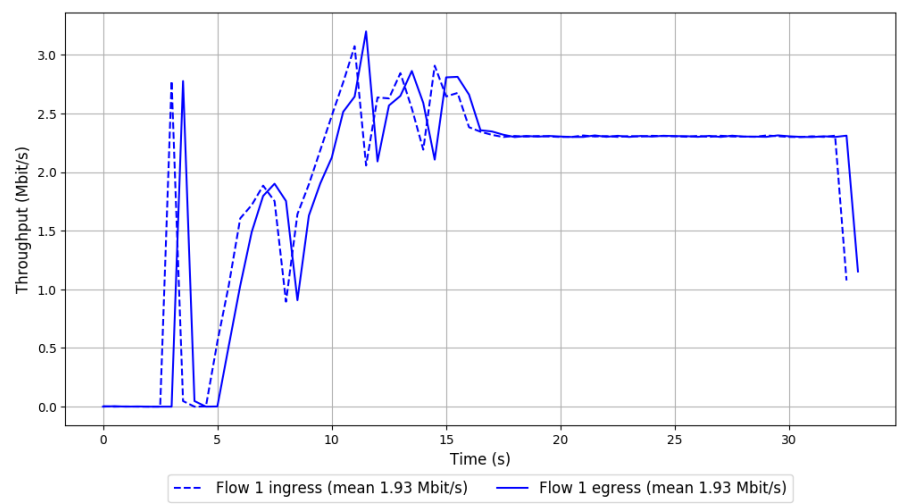


Run 2: Statistics of WebRTC media

Start at: 2018-08-09 01:29:39
End at: 2018-08-09 01:30:09
Local clock offset: -10.358 ms
Remote clock offset: 2.64 ms

Below is generated by plot.py at 2018-08-09 07:10:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 18.206 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 18.206 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

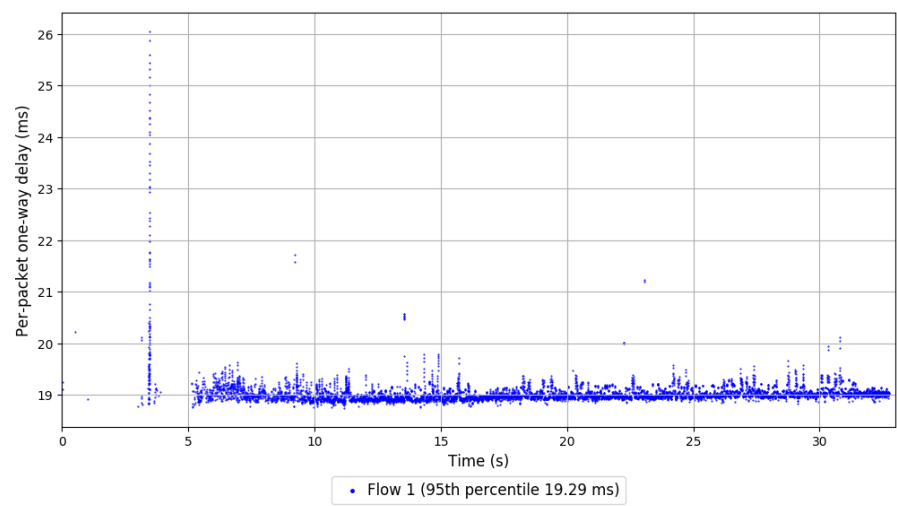
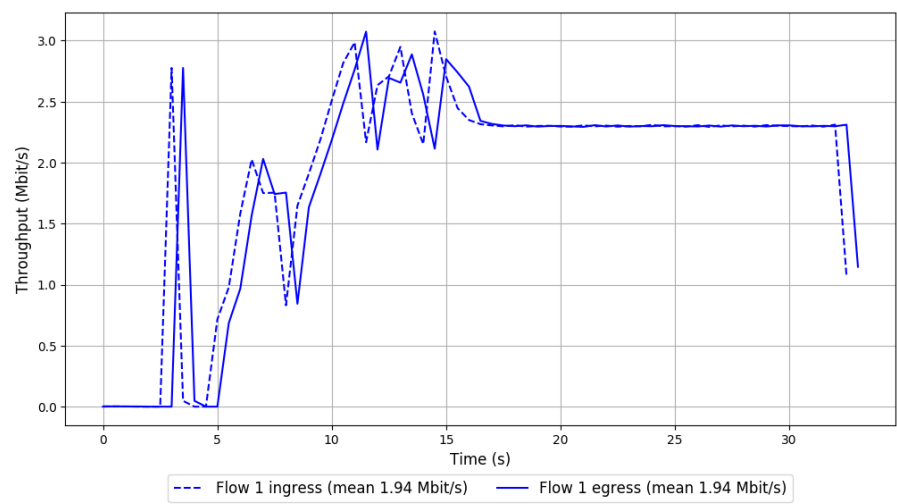


Run 3: Statistics of WebRTC media

Start at: 2018-08-09 01:55:06
End at: 2018-08-09 01:55:36
Local clock offset: -6.798 ms
Remote clock offset: -4.162 ms

Below is generated by plot.py at 2018-08-09 07:10:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 19.290 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 19.290 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

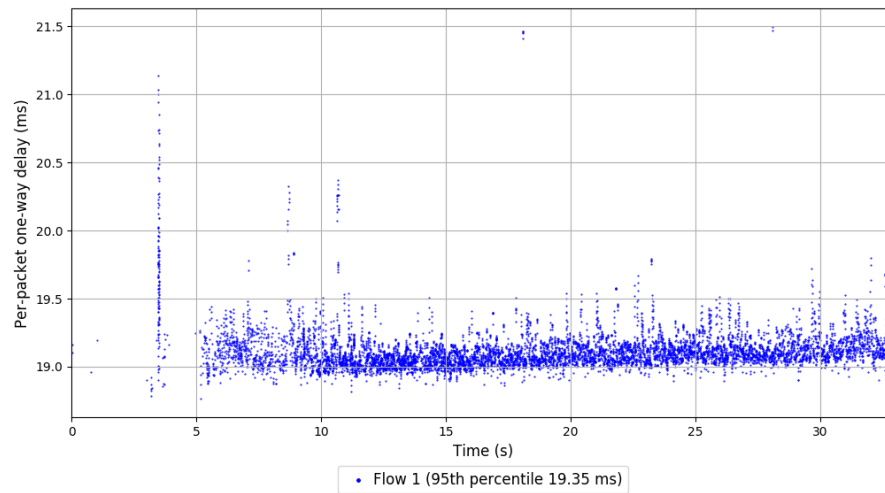
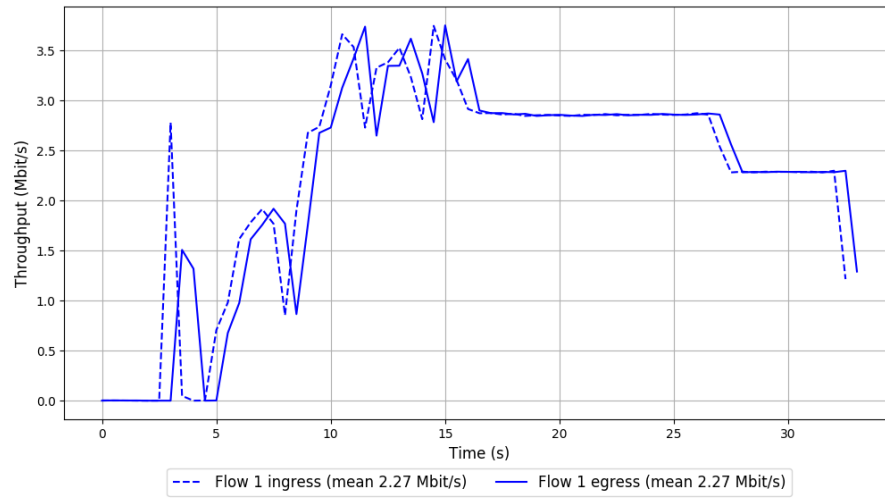


Run 4: Statistics of WebRTC media

Start at: 2018-08-09 02:20:32
End at: 2018-08-09 02:21:02
Local clock offset: -7.356 ms
Remote clock offset: -5.919 ms

Below is generated by plot.py at 2018-08-09 07:10:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 19.351 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 19.351 ms
Loss rate: 0.12%

Run 4: Report of WebRTC media — Data Link

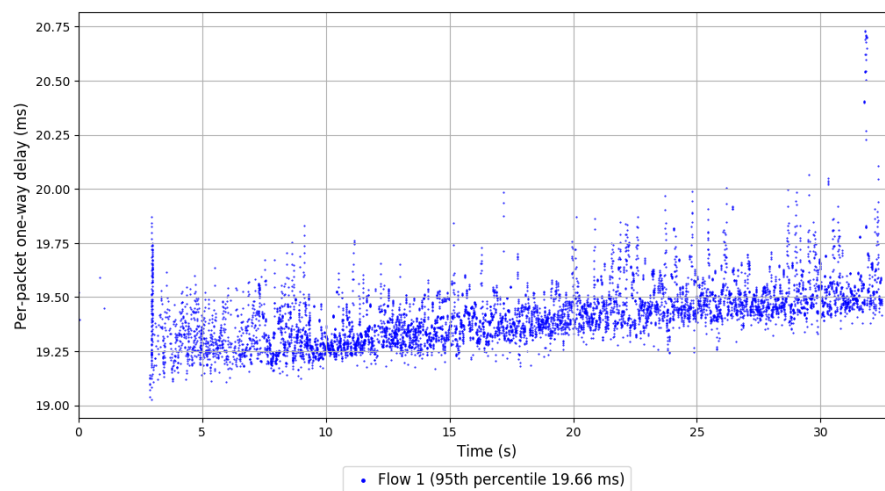
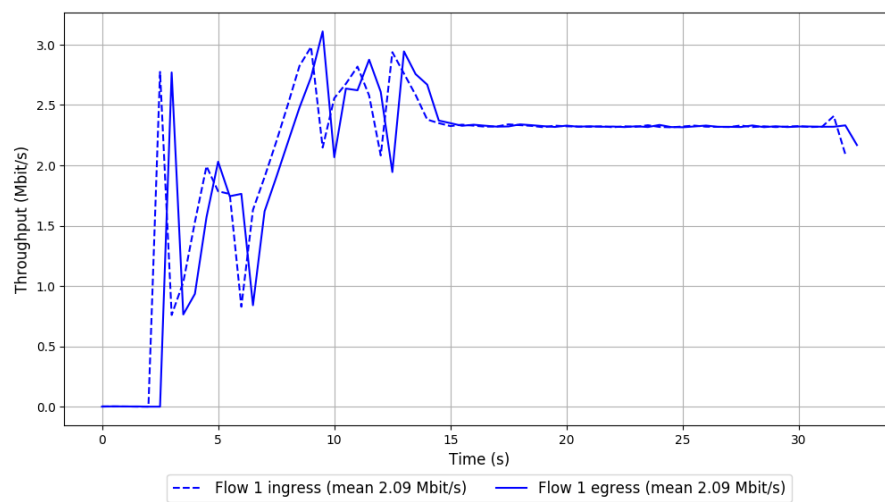


Run 5: Statistics of WebRTC media

Start at: 2018-08-09 02:46:11
End at: 2018-08-09 02:46:41
Local clock offset: -8.868 ms
Remote clock offset: -1.773 ms

Below is generated by plot.py at 2018-08-09 07:10:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 19.660 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 19.660 ms
Loss rate: 0.06%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-08-09 03:11:31

End at: 2018-08-09 03:12:01

Local clock offset: -2.121 ms

Remote clock offset: 1.404 ms

Below is generated by plot.py at 2018-08-09 07:10:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.12 Mbit/s

95th percentile per-packet one-way delay: 19.181 ms

Loss rate: 0.26%

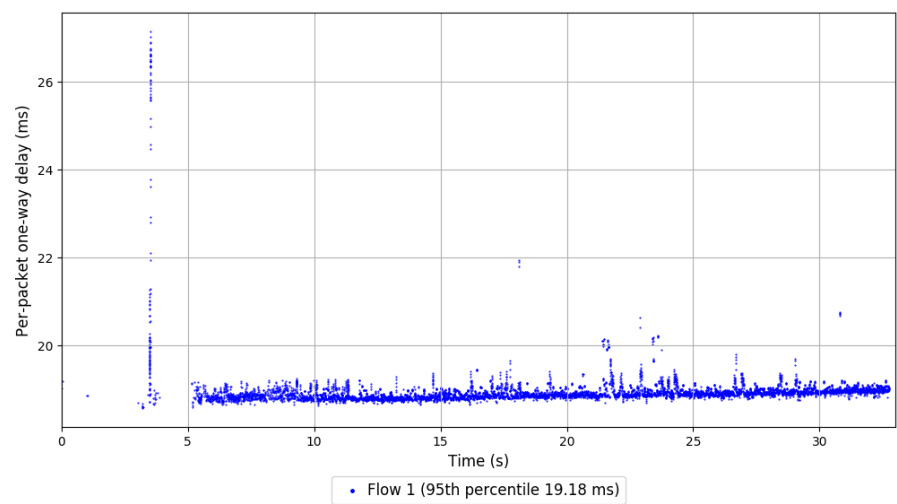
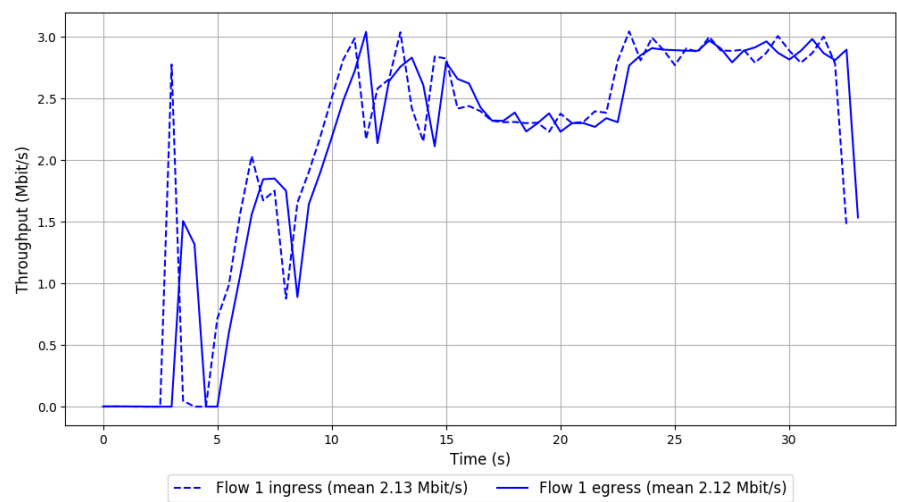
-- Flow 1:

Average throughput: 2.12 Mbit/s

95th percentile per-packet one-way delay: 19.181 ms

Loss rate: 0.26%

Run 6: Report of WebRTC media — Data Link

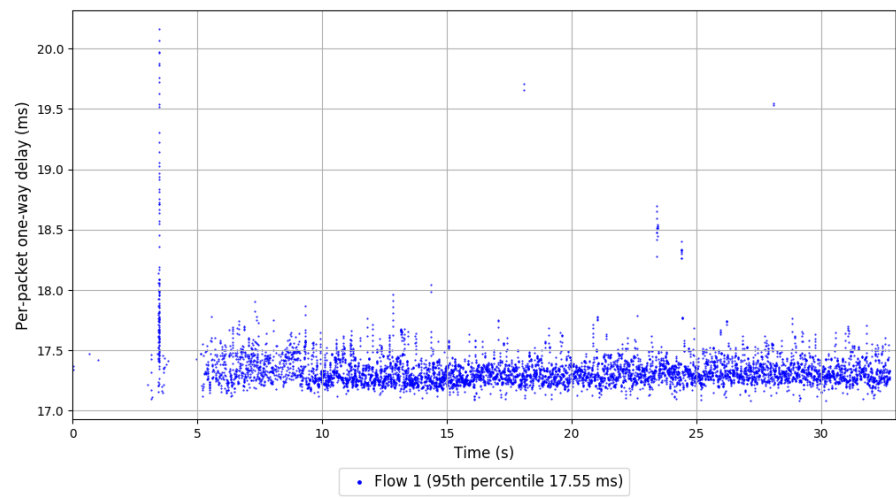
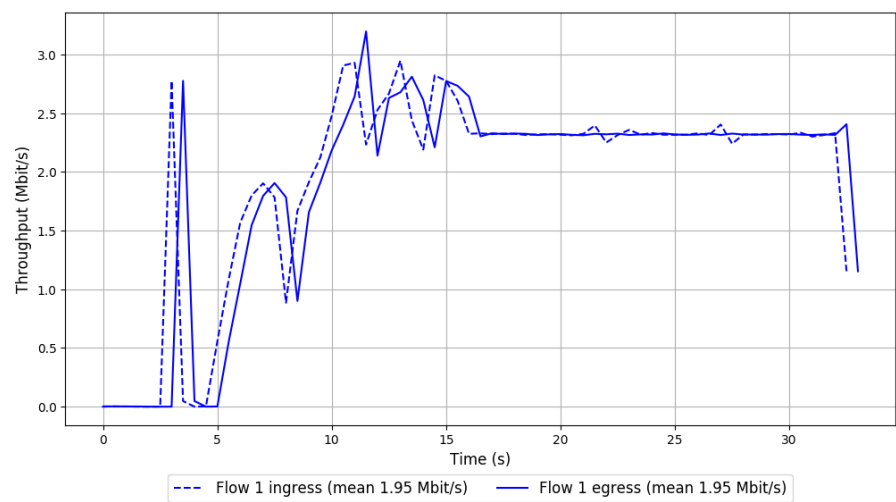


Run 7: Statistics of WebRTC media

Start at: 2018-08-09 03:37:05
End at: 2018-08-09 03:37:35
Local clock offset: -0.899 ms
Remote clock offset: -2.632 ms

Below is generated by plot.py at 2018-08-09 07:10:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 17.555 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 17.555 ms
Loss rate: 0.03%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-08-09 04:02:48

End at: 2018-08-09 04:03:18

Local clock offset: 2.926 ms

Remote clock offset: 3.437 ms

Below is generated by plot.py at 2018-08-09 07:10:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 19.076 ms

Loss rate: 0.01%

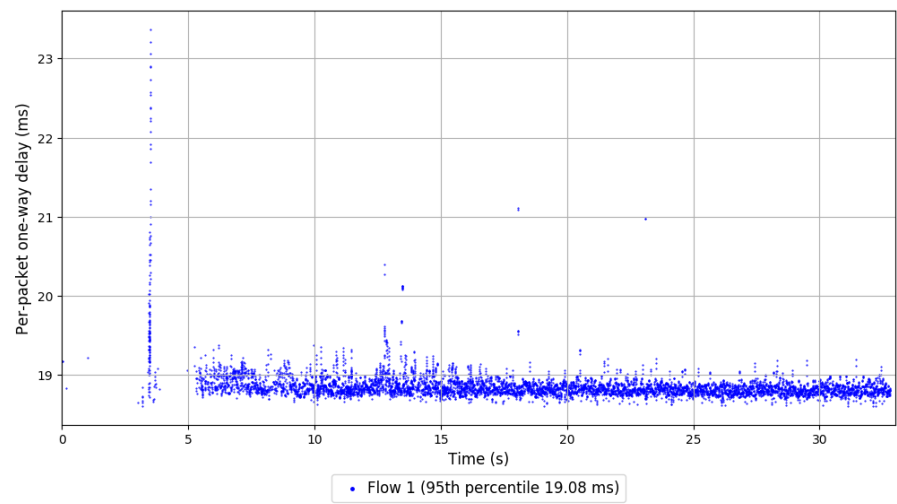
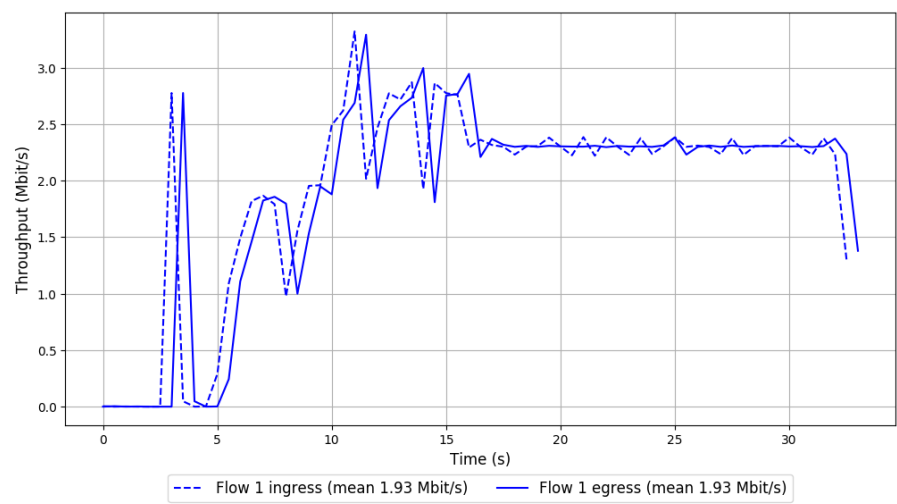
-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 19.076 ms

Loss rate: 0.01%

Run 8: Report of WebRTC media — Data Link

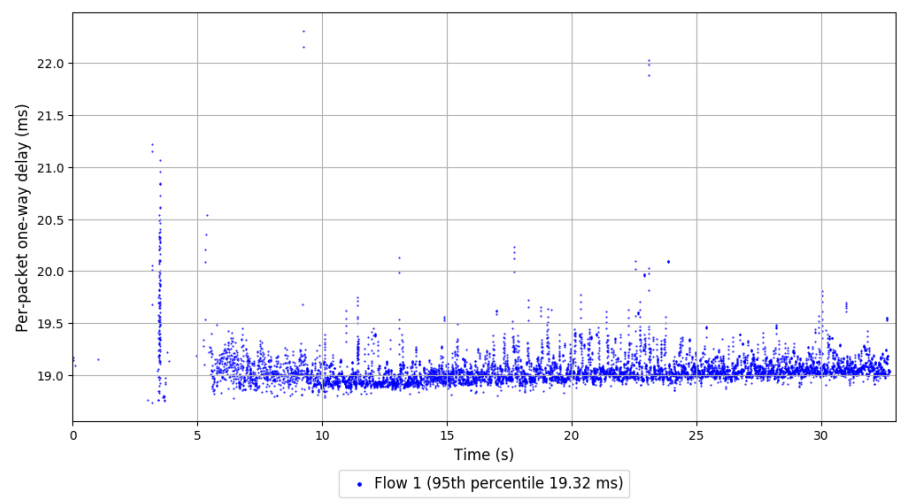
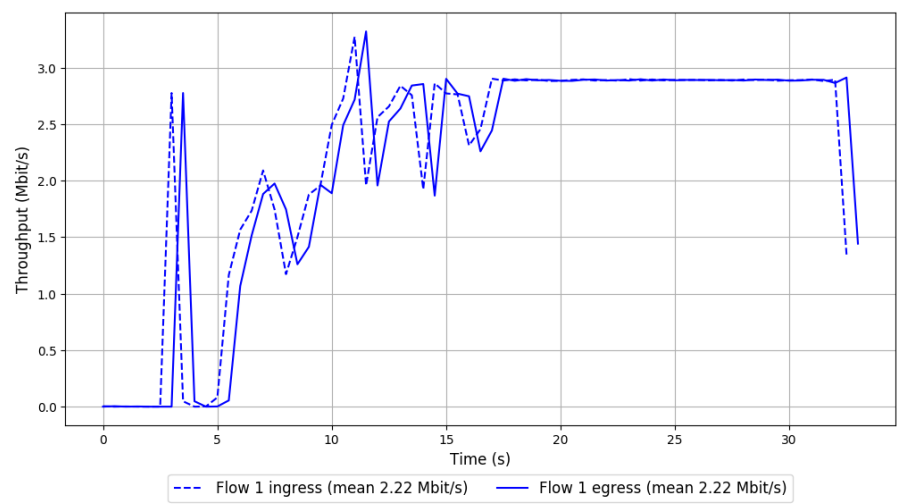


Run 9: Statistics of WebRTC media

Start at: 2018-08-09 04:28:33
End at: 2018-08-09 04:29:03
Local clock offset: 3.372 ms
Remote clock offset: -0.464 ms

Below is generated by plot.py at 2018-08-09 07:10:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 19.320 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 19.320 ms
Loss rate: 0.03%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-09 04:54:14

End at: 2018-08-09 04:54:44

Local clock offset: 0.897 ms

Remote clock offset: -3.291 ms

Below is generated by plot.py at 2018-08-09 07:10:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 18.721 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 18.721 ms

Loss rate: 0.01%

Run 10: Report of WebRTC media — Data Link

