

Pantheon Report

Generated at 2018-07-25 01:36:29 (UTC).

Data path: GCE Iowa Ethernet (*remote*) → GCE Sydney Ethernet (*local*).

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

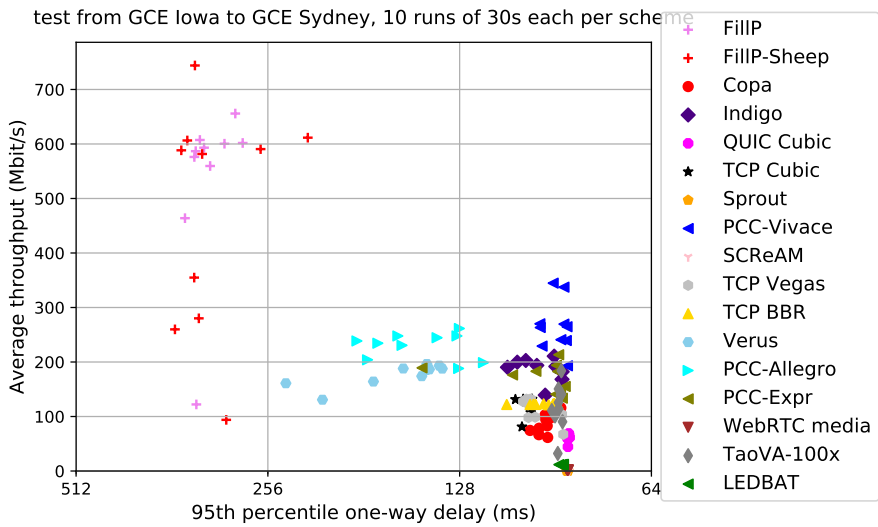
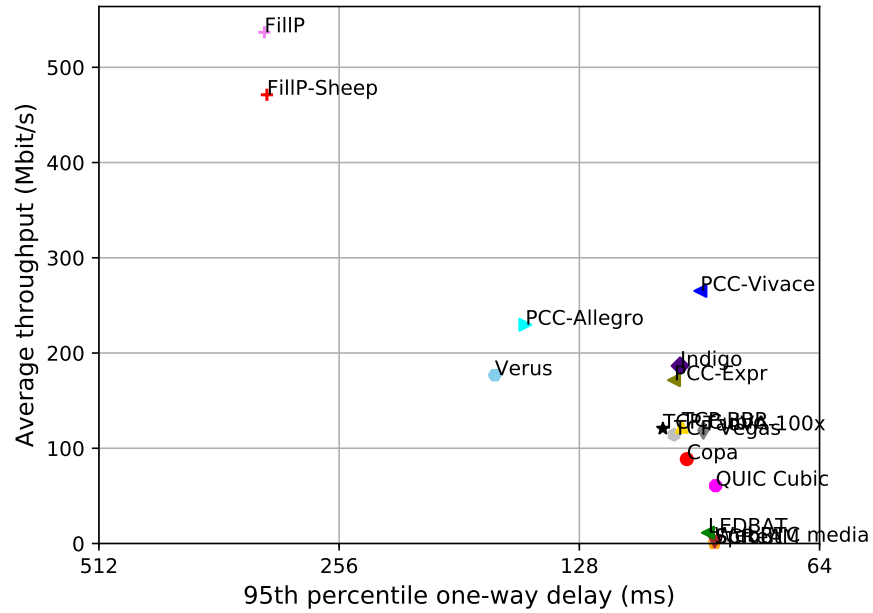
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from GCE Iowa to GCE Sydney, 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	122.58	95.26	0.60
Copa	10	88.61	93.87	0.44
TCP Cubic	10	120.65	100.59	0.58
FillP	10	536.73	317.61	3.42
FillP-Sheep	10	471.14	315.32	4.57
Indigo	9	186.53	95.70	0.64
LEDBAT	10	11.33	88.32	1.19
PCC-Allegro	10	229.63	149.58	1.05
PCC-Expr	10	171.52	97.41	0.67
QUIC Cubic	9	60.73	86.38	0.78
SCReAM	10	0.22	86.54	0.57
Sprout	10	0.29	86.66	0.38
TaoVA-100x	10	118.87	89.52	0.72
TCP Vegas	10	114.15	97.40	0.51
Verus	10	176.74	163.38	1.28
PCC-Vivace	10	265.20	90.28	0.72
WebRTC media	9	1.93	86.64	0.65

Run 1: Statistics of TCP BBR

Start at: 2018-07-24 20:27:09

End at: 2018-07-24 20:27:39

Local clock offset: 0.022 ms

Remote clock offset: -0.157 ms

Below is generated by plot.py at 2018-07-25 00:06:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 122.87 Mbit/s

95th percentile per-packet one-way delay: 90.808 ms

Loss rate: 0.43%

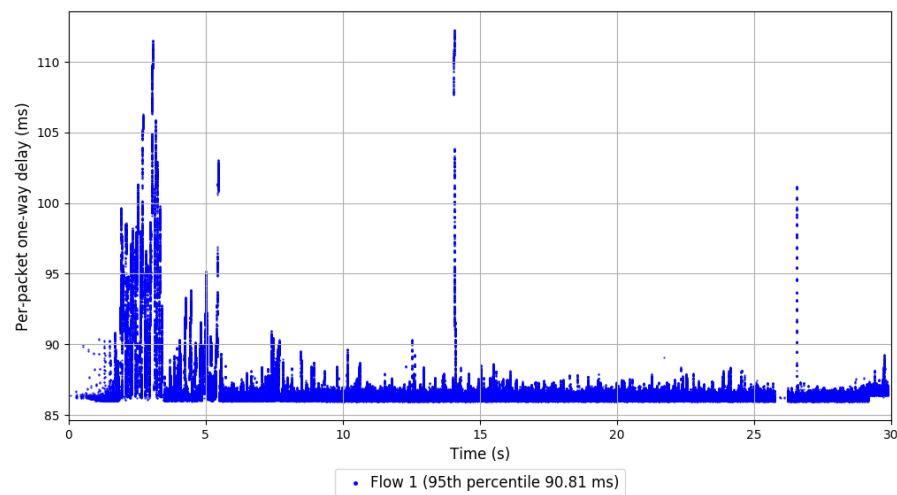
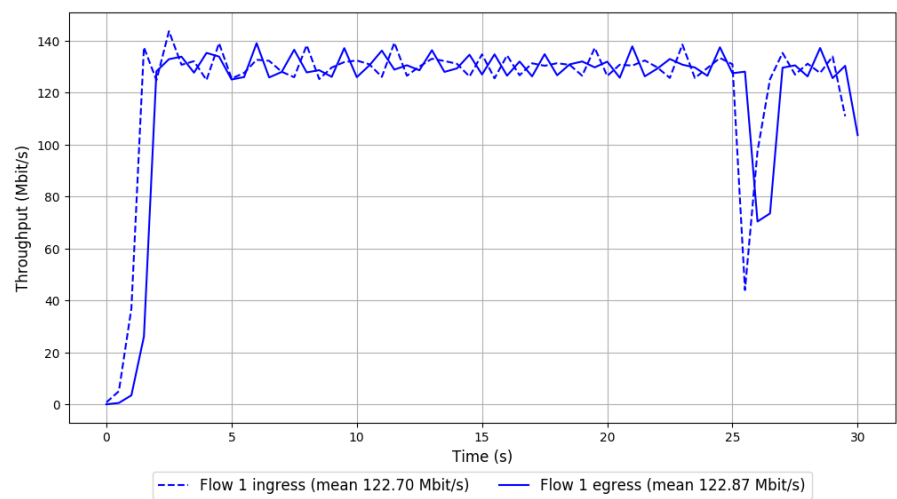
-- Flow 1:

Average throughput: 122.87 Mbit/s

95th percentile per-packet one-way delay: 90.808 ms

Loss rate: 0.43%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-24 20:48:12

End at: 2018-07-24 20:48:42

Local clock offset: 0.007 ms

Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-07-25 00:06:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.33 Mbit/s

95th percentile per-packet one-way delay: 94.497 ms

Loss rate: 0.60%

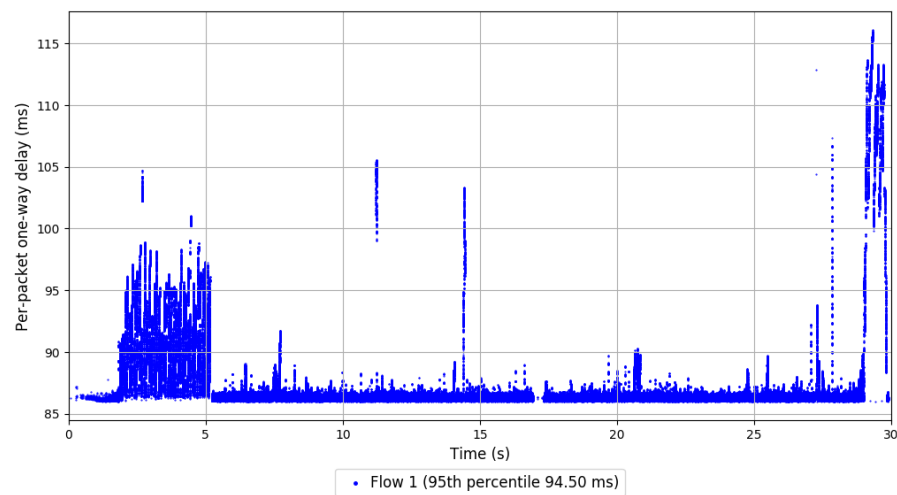
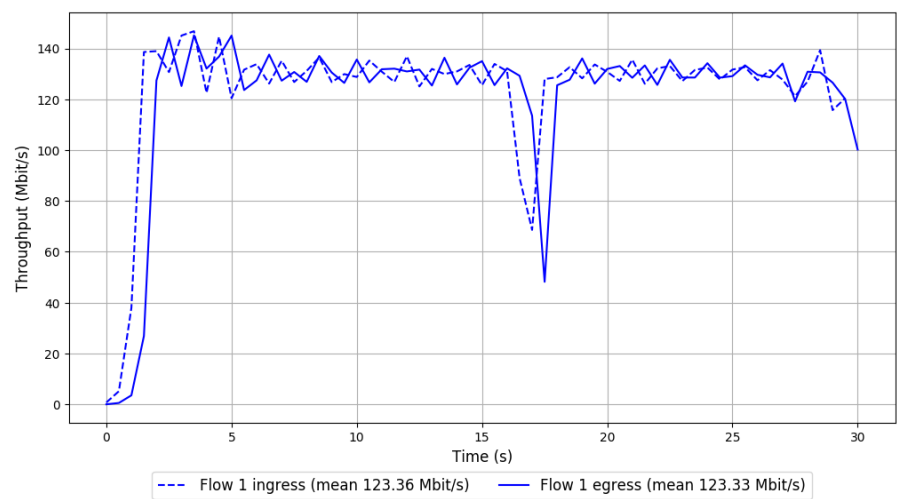
-- Flow 1:

Average throughput: 123.33 Mbit/s

95th percentile per-packet one-way delay: 94.497 ms

Loss rate: 0.60%

Run 2: Report of TCP BBR — Data Link

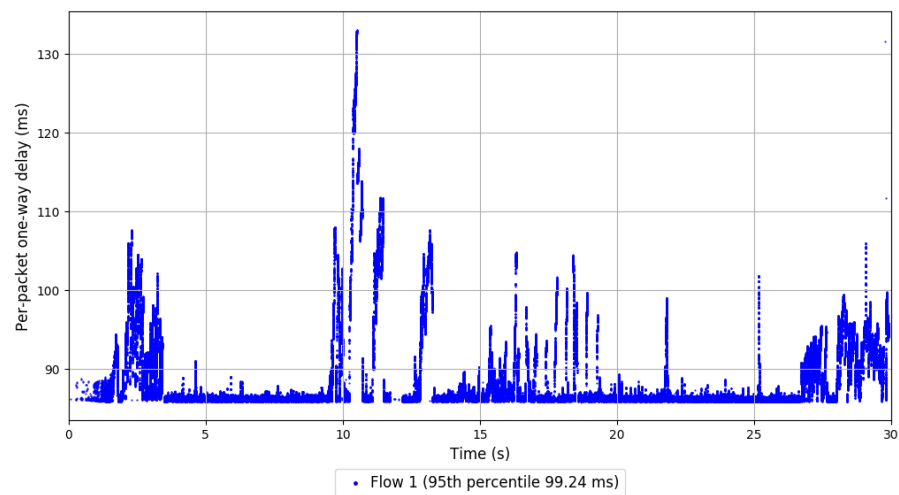
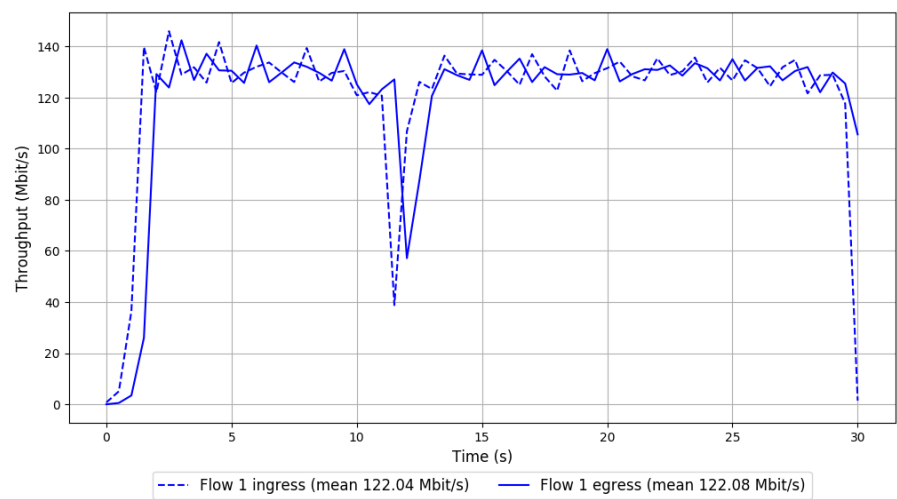


Run 3: Statistics of TCP BBR

Start at: 2018-07-24 21:10:05
End at: 2018-07-24 21:10:35
Local clock offset: -0.164 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-07-25 00:06:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 122.08 Mbit/s
95th percentile per-packet one-way delay: 99.239 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 122.08 Mbit/s
95th percentile per-packet one-way delay: 99.239 ms
Loss rate: 0.55%

Run 3: Report of TCP BBR — Data Link

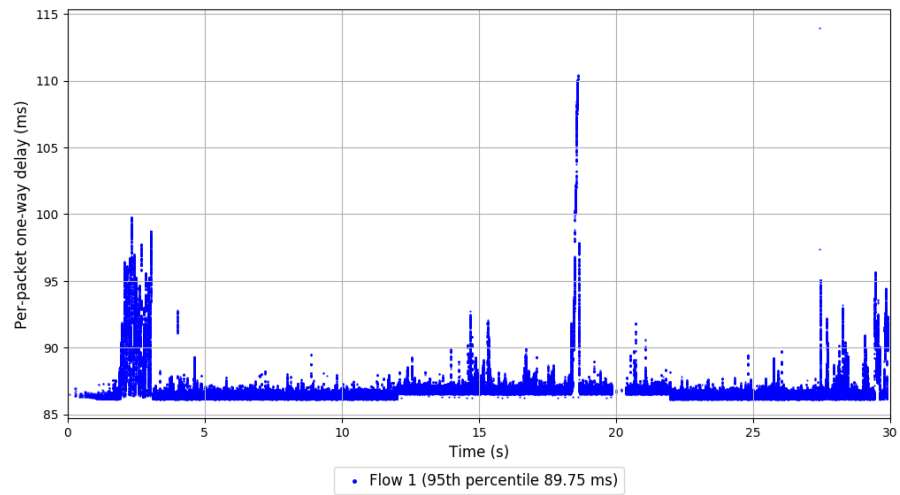
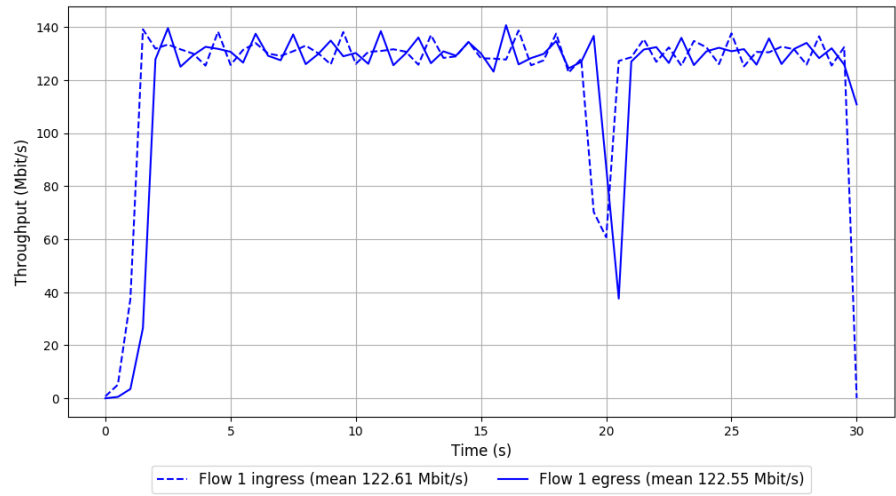


Run 4: Statistics of TCP BBR

Start at: 2018-07-24 21:31:46
End at: 2018-07-24 21:32:16
Local clock offset: -0.013 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-07-25 00:06:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 122.55 Mbit/s
95th percentile per-packet one-way delay: 89.751 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 122.55 Mbit/s
95th percentile per-packet one-way delay: 89.751 ms
Loss rate: 0.62%

Run 4: Report of TCP BBR — Data Link

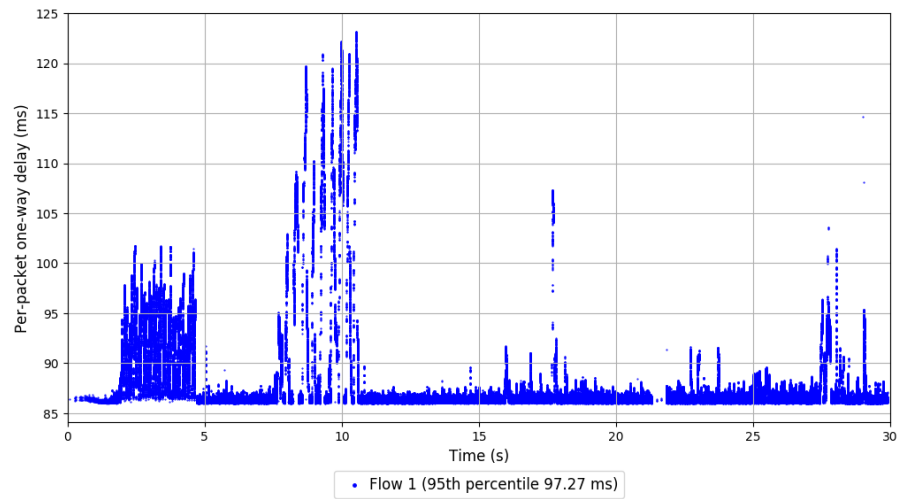
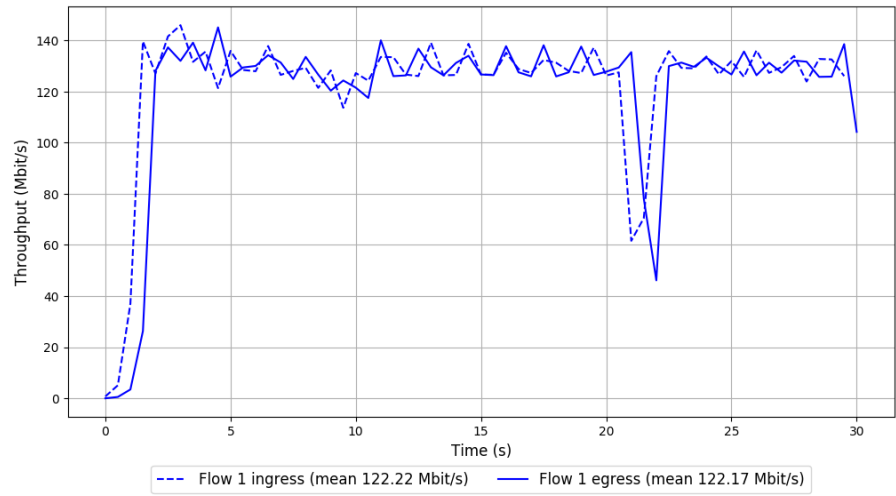


Run 5: Statistics of TCP BBR

Start at: 2018-07-24 21:53:31
End at: 2018-07-24 21:54:01
Local clock offset: -0.214 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-07-25 00:06:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 122.17 Mbit/s
95th percentile per-packet one-way delay: 97.272 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 122.17 Mbit/s
95th percentile per-packet one-way delay: 97.272 ms
Loss rate: 0.62%

Run 5: Report of TCP BBR — Data Link

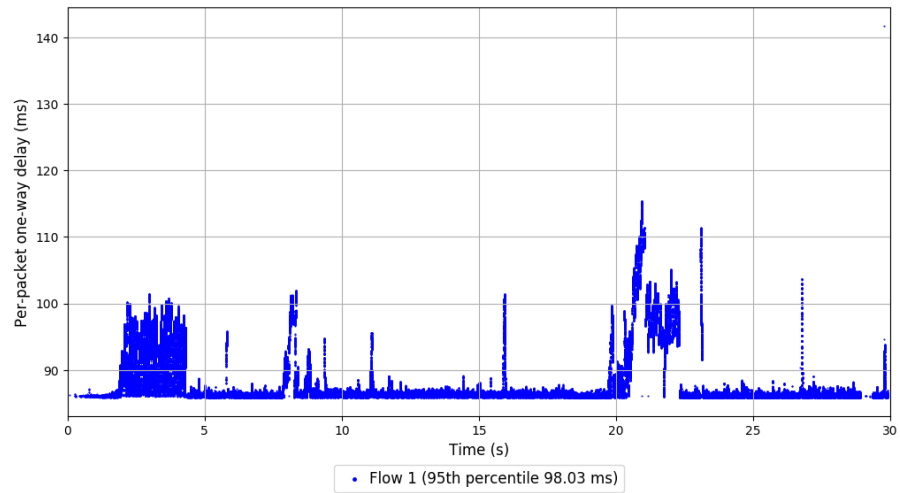
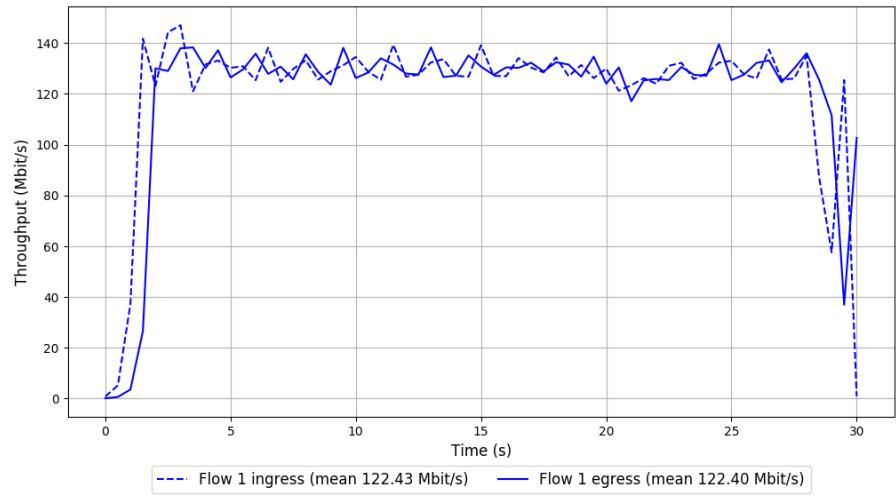


Run 6: Statistics of TCP BBR

Start at: 2018-07-24 22:15:00
End at: 2018-07-24 22:15:30
Local clock offset: -0.161 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-07-25 00:06:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 122.40 Mbit/s
95th percentile per-packet one-way delay: 98.033 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 122.40 Mbit/s
95th percentile per-packet one-way delay: 98.033 ms
Loss rate: 0.60%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-24 22:36:57

End at: 2018-07-24 22:37:27

Local clock offset: 0.251 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-07-25 00:06:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 121.38 Mbit/s

95th percentile per-packet one-way delay: 92.795 ms

Loss rate: 0.66%

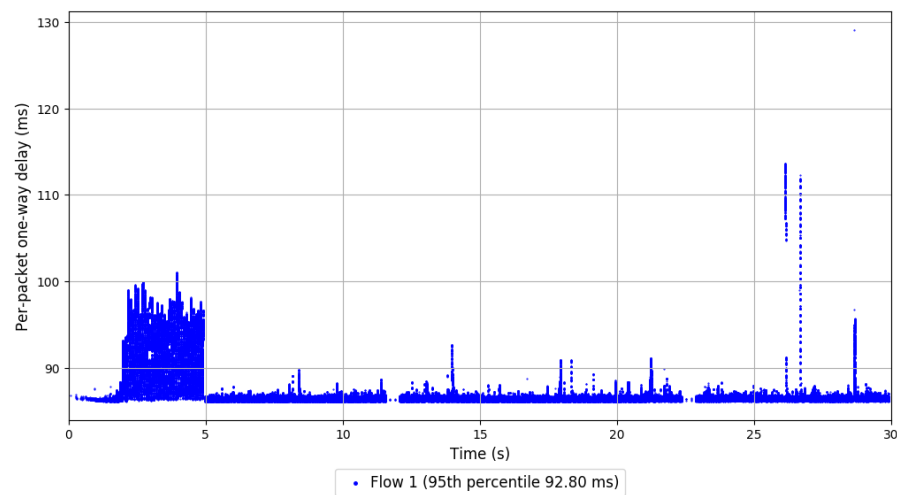
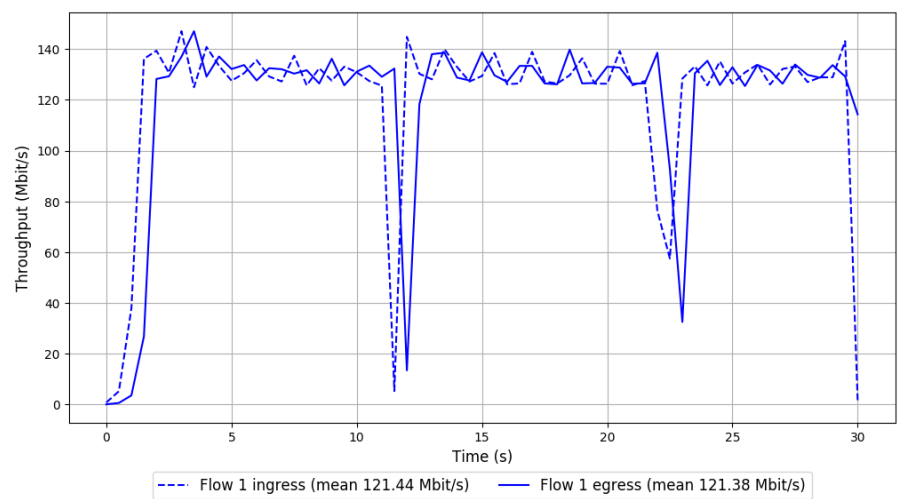
-- Flow 1:

Average throughput: 121.38 Mbit/s

95th percentile per-packet one-way delay: 92.795 ms

Loss rate: 0.66%

Run 7: Report of TCP BBR — Data Link

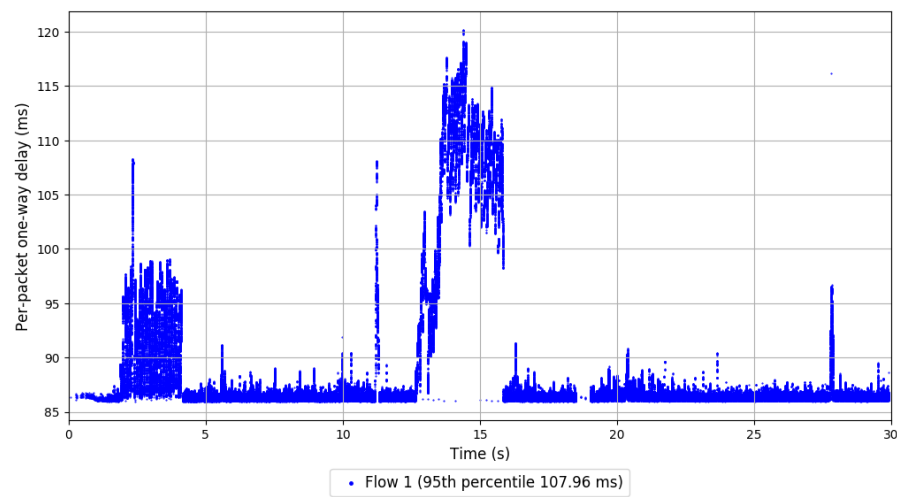
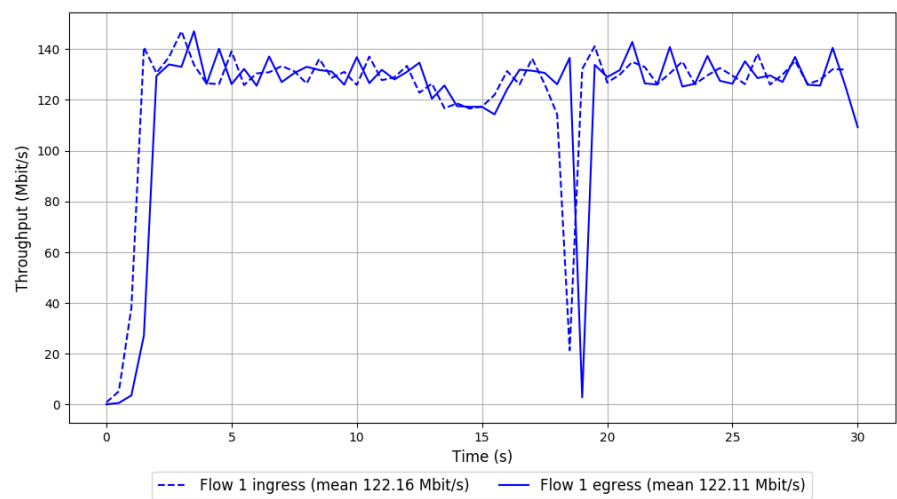


Run 8: Statistics of TCP BBR

Start at: 2018-07-24 22:58:48
End at: 2018-07-24 22:59:18
Local clock offset: -0.091 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-07-25 00:06:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 122.11 Mbit/s
95th percentile per-packet one-way delay: 107.964 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 122.11 Mbit/s
95th percentile per-packet one-way delay: 107.964 ms
Loss rate: 0.61%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-24 23:20:45

End at: 2018-07-24 23:21:15

Local clock offset: -0.08 ms

Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-07-25 00:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.64 Mbit/s

95th percentile per-packet one-way delay: 90.952 ms

Loss rate: 0.61%

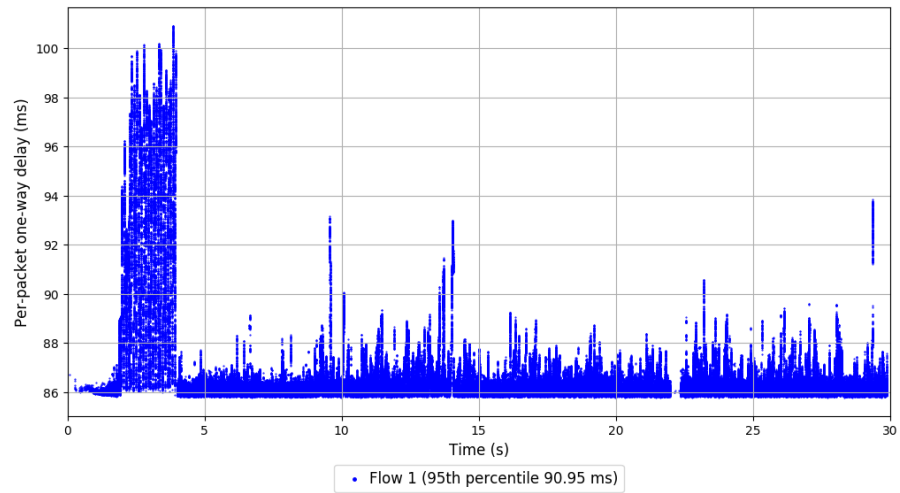
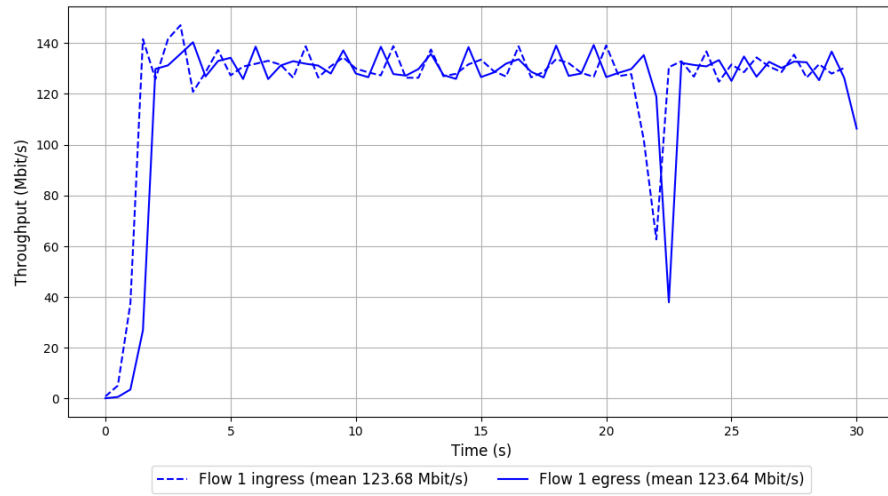
-- Flow 1:

Average throughput: 123.64 Mbit/s

95th percentile per-packet one-way delay: 90.952 ms

Loss rate: 0.61%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-24 23:42:06

End at: 2018-07-24 23:42:36

Local clock offset: 0.02 ms

Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-25 00:08:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.26 Mbit/s

95th percentile per-packet one-way delay: 91.266 ms

Loss rate: 0.65%

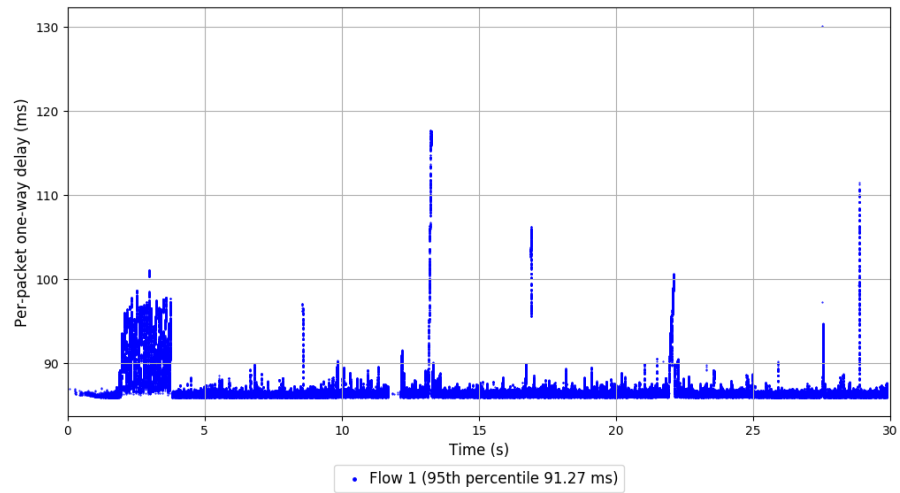
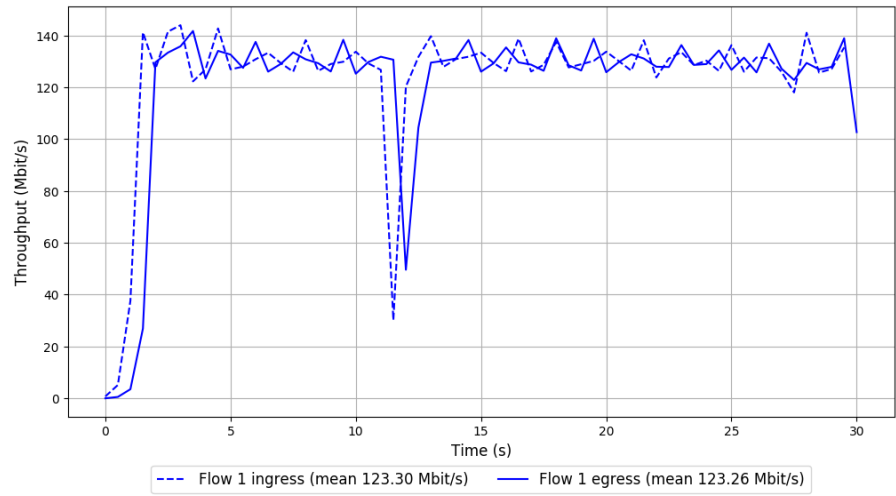
-- Flow 1:

Average throughput: 123.26 Mbit/s

95th percentile per-packet one-way delay: 91.266 ms

Loss rate: 0.65%

Run 10: Report of TCP BBR — Data Link

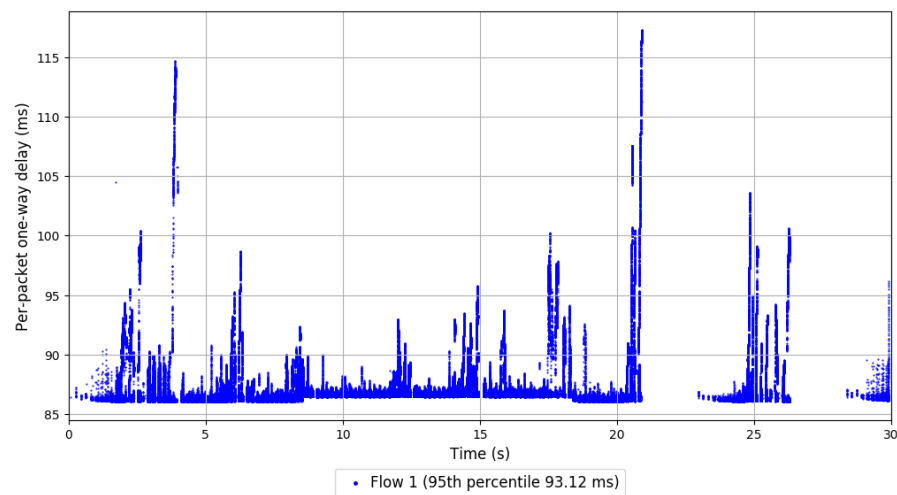
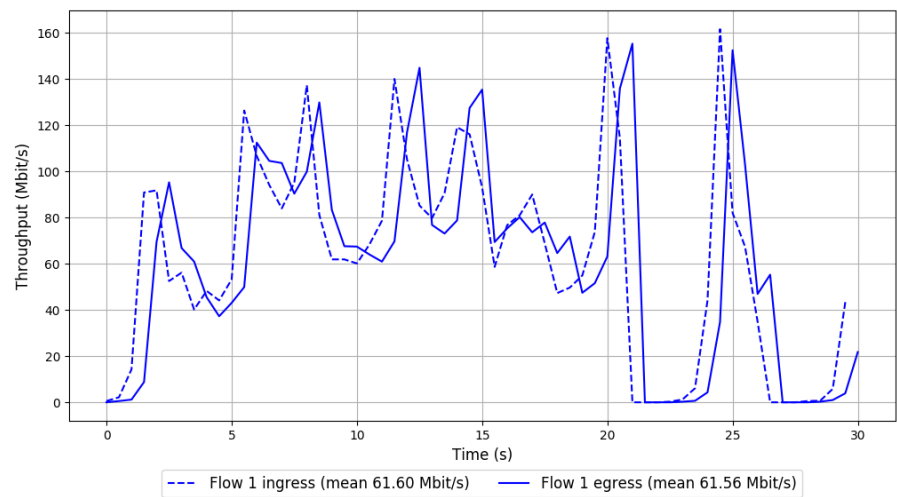


Run 1: Statistics of Copa

Start at: 2018-07-24 20:35:30
End at: 2018-07-24 20:36:00
Local clock offset: 0.211 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-07-25 00:08:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.56 Mbit/s
95th percentile per-packet one-way delay: 93.116 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 61.56 Mbit/s
95th percentile per-packet one-way delay: 93.116 ms
Loss rate: 0.64%

Run 1: Report of Copa — Data Link

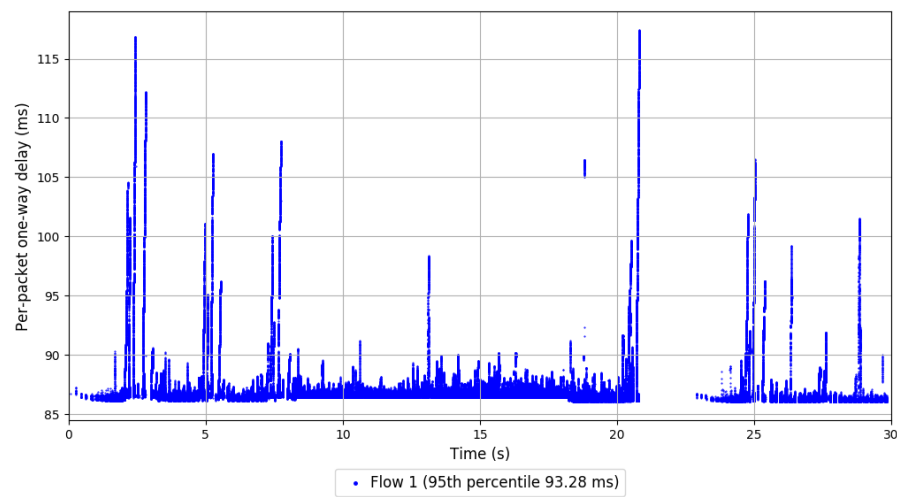
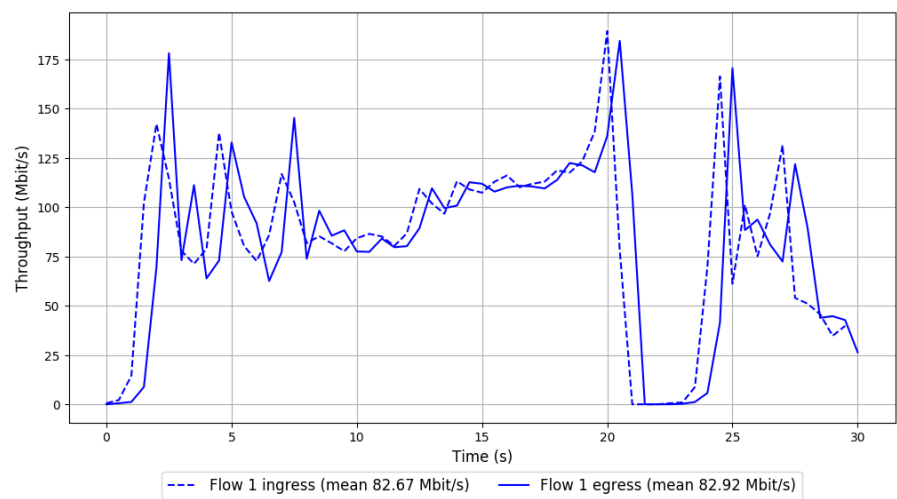


Run 2: Statistics of Copa

Start at: 2018-07-24 20:56:50
End at: 2018-07-24 20:57:20
Local clock offset: 0.16 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-07-25 00:09:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.92 Mbit/s
95th percentile per-packet one-way delay: 93.278 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 82.92 Mbit/s
95th percentile per-packet one-way delay: 93.278 ms
Loss rate: 0.28%

Run 2: Report of Copa — Data Link

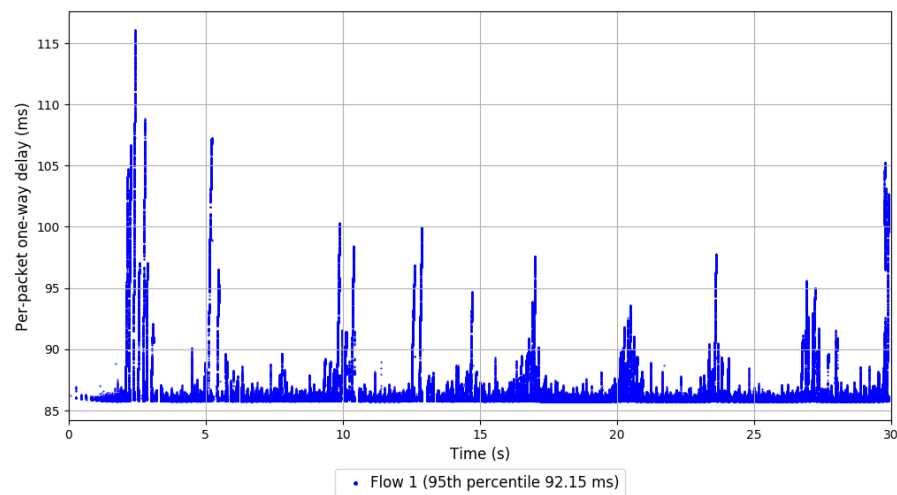
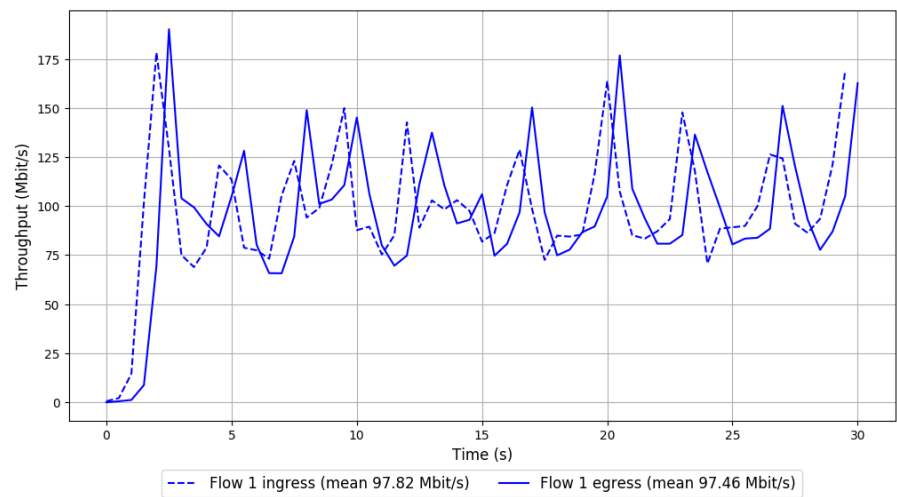


Run 3: Statistics of Copa

Start at: 2018-07-24 21:18:31
End at: 2018-07-24 21:19:01
Local clock offset: -0.225 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-07-25 00:10:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 92.154 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 92.154 ms
Loss rate: 0.85%

Run 3: Report of Copa — Data Link

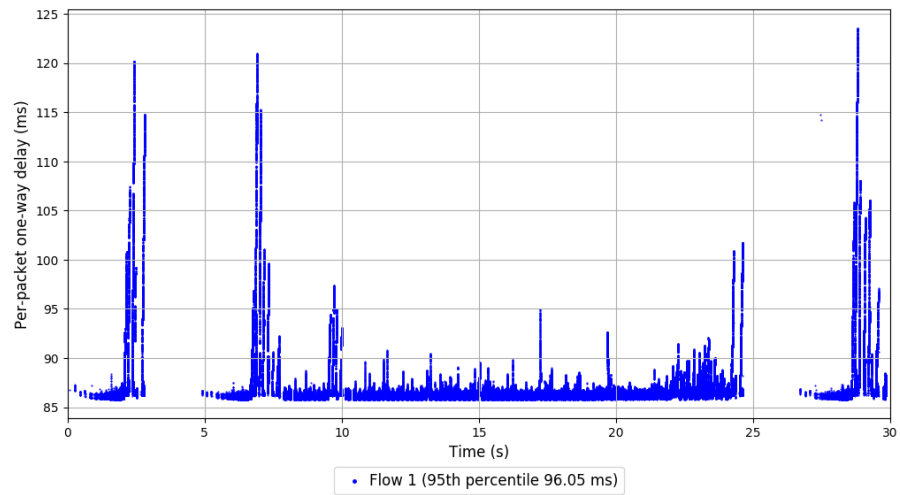
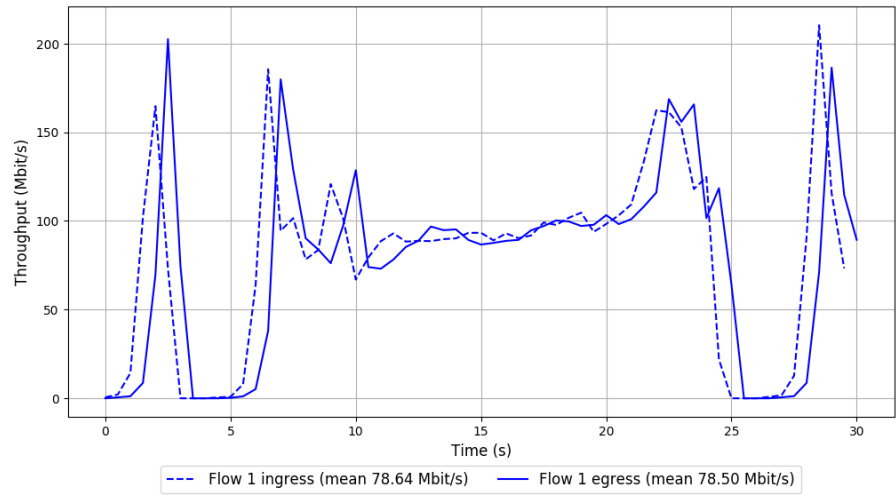


Run 4: Statistics of Copa

Start at: 2018-07-24 21:40:28
End at: 2018-07-24 21:40:58
Local clock offset: -0.329 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-25 00:10:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.50 Mbit/s
95th percentile per-packet one-way delay: 96.048 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 78.50 Mbit/s
95th percentile per-packet one-way delay: 96.048 ms
Loss rate: 0.71%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-24 22:01:58

End at: 2018-07-24 22:02:28

Local clock offset: 0.111 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-07-25 00:10:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.78 Mbit/s

95th percentile per-packet one-way delay: 93.996 ms

Loss rate: 0.48%

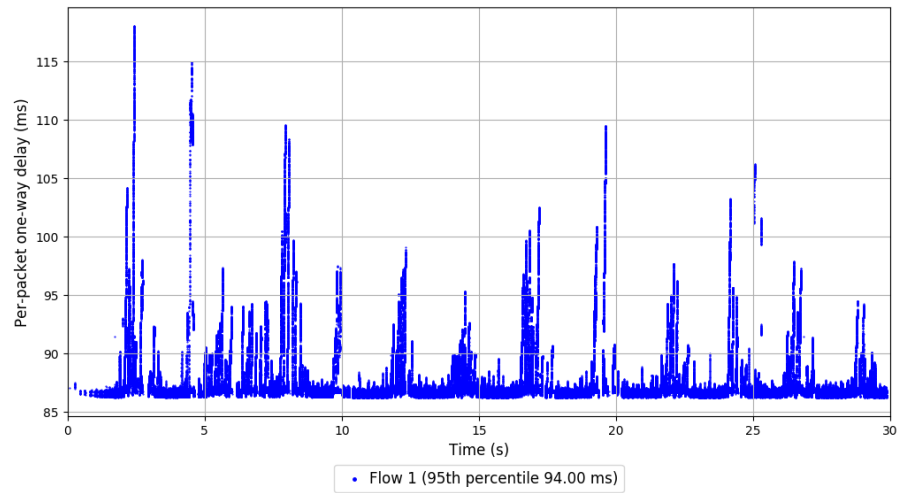
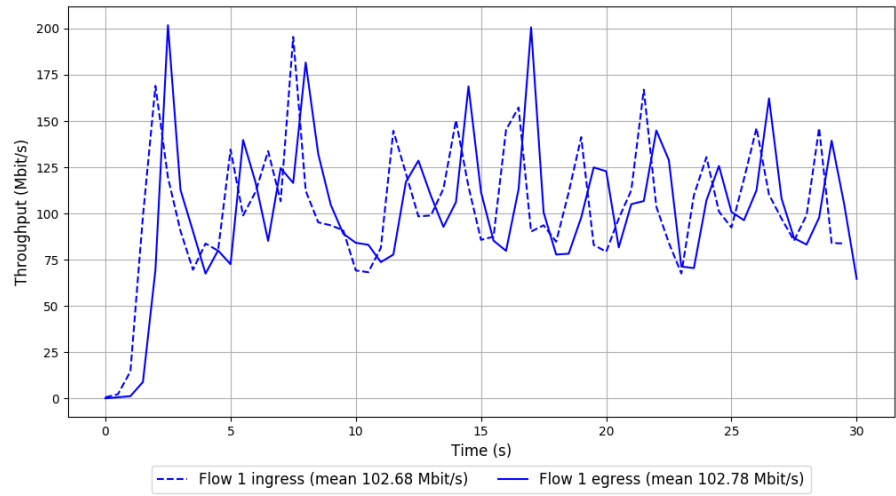
-- Flow 1:

Average throughput: 102.78 Mbit/s

95th percentile per-packet one-way delay: 93.996 ms

Loss rate: 0.48%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-24 22:23:53

End at: 2018-07-24 22:24:23

Local clock offset: 0.133 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-07-25 00:10:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.45 Mbit/s

95th percentile per-packet one-way delay: 99.238 ms

Loss rate: 0.54%

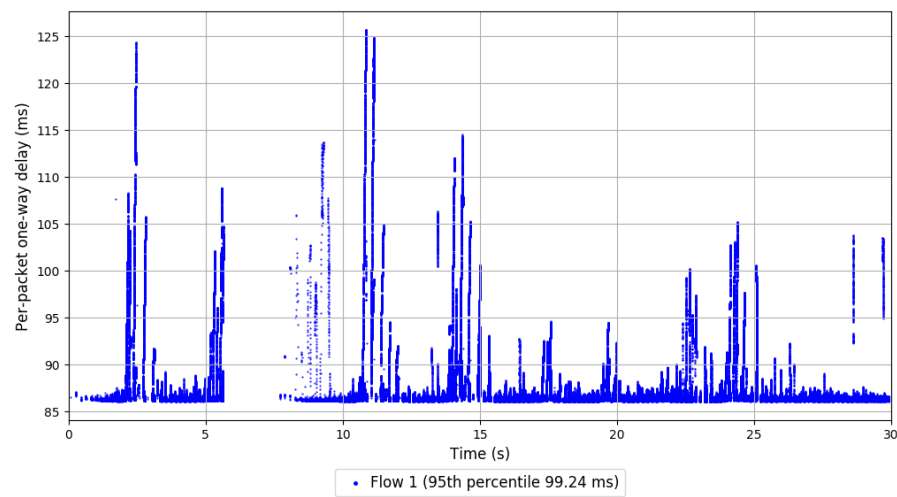
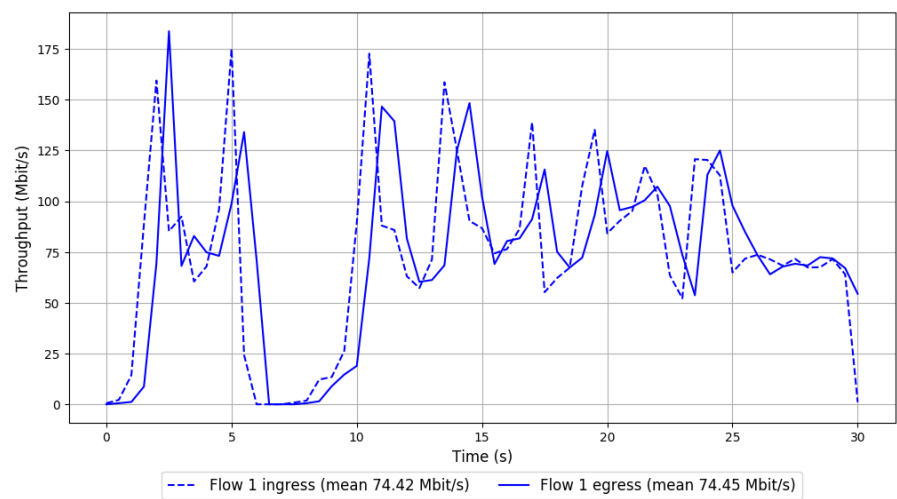
-- Flow 1:

Average throughput: 74.45 Mbit/s

95th percentile per-packet one-way delay: 99.238 ms

Loss rate: 0.54%

Run 6: Report of Copa — Data Link

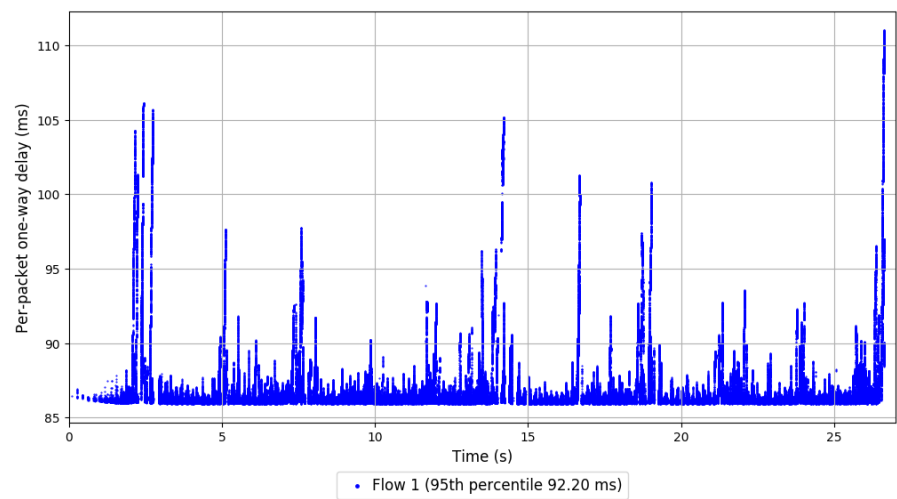
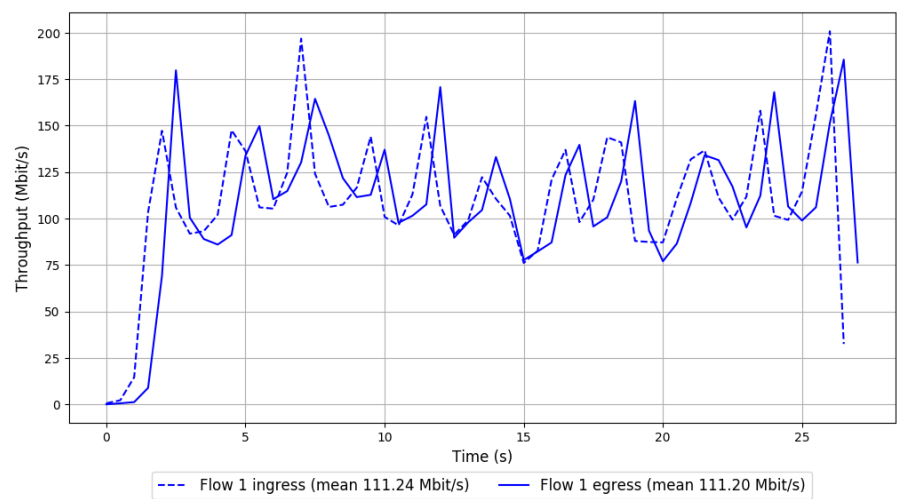


Run 7: Statistics of Copa

Start at: 2018-07-24 22:45:36
End at: 2018-07-24 22:46:06
Local clock offset: 0.02 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-25 00:13:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 111.20 Mbit/s
95th percentile per-packet one-way delay: 92.204 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 111.20 Mbit/s
95th percentile per-packet one-way delay: 92.204 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-24 23:07:28

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

Local clock offset: -0.118 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-07-25 00:13:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 115.88 Mbit/s

95th percentile per-packet one-way delay: 88.793 ms

Loss rate: 0.45%

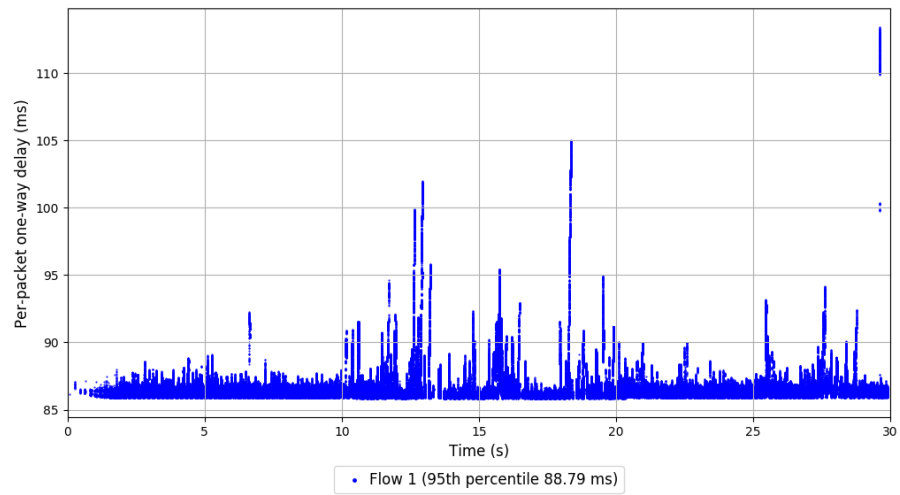
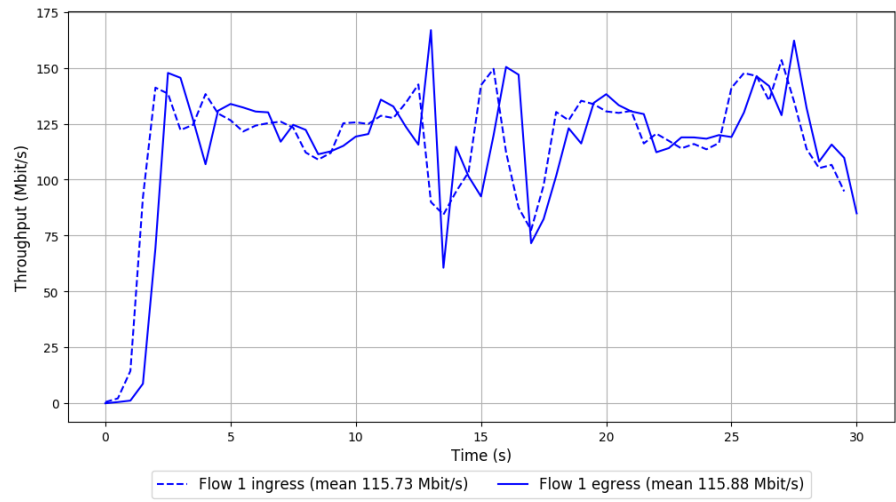
-- Flow 1:

Average throughput: 115.88 Mbit/s

95th percentile per-packet one-way delay: 88.793 ms

Loss rate: 0.45%

Run 8: Report of Copa — Data Link

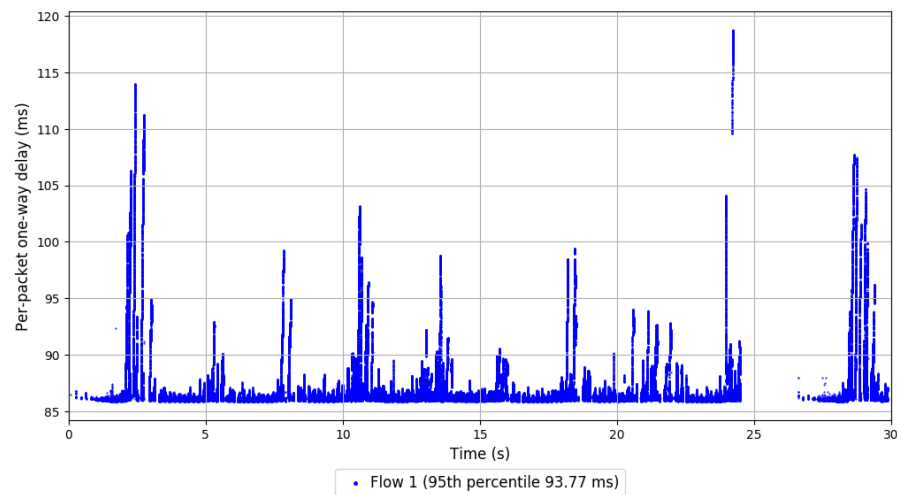
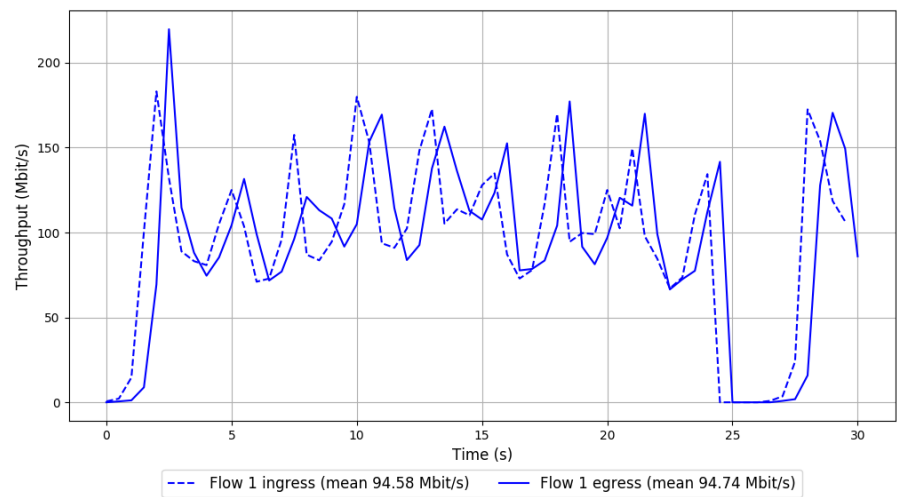


Run 9: Statistics of Copa

Start at: 2018-07-24 23:28:59
End at: 2018-07-24 23:29:29
Local clock offset: 0.026 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-25 00:13:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.74 Mbit/s
95th percentile per-packet one-way delay: 93.766 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 94.74 Mbit/s
95th percentile per-packet one-way delay: 93.766 ms
Loss rate: 0.49%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-24 23:50:52

End at: 2018-07-24 23:51:22

Local clock offset: 0.007 ms

Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-07-25 00:13:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.62 Mbit/s

95th percentile per-packet one-way delay: 96.129 ms

Loss rate: 0.00%

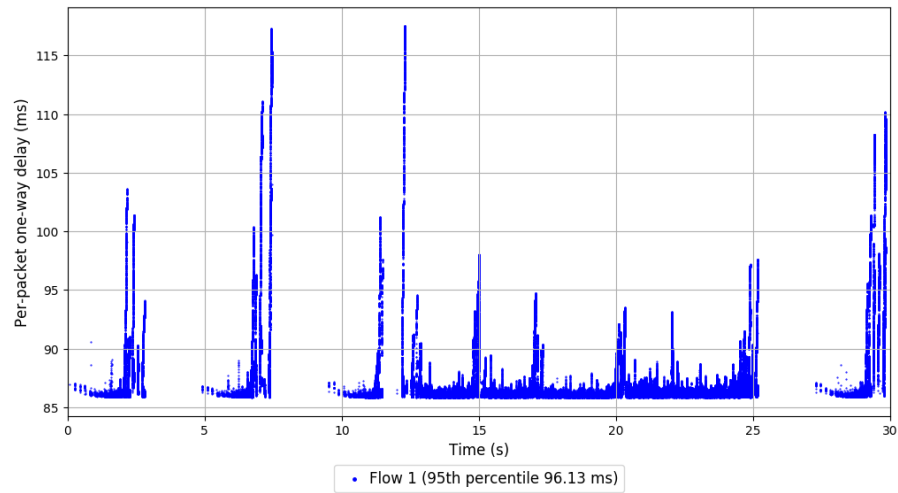
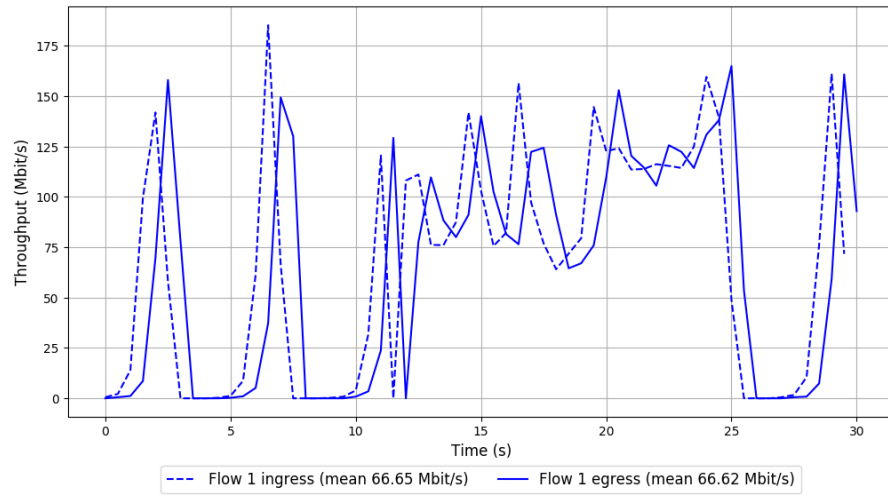
-- Flow 1:

Average throughput: 66.62 Mbit/s

95th percentile per-packet one-way delay: 96.129 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

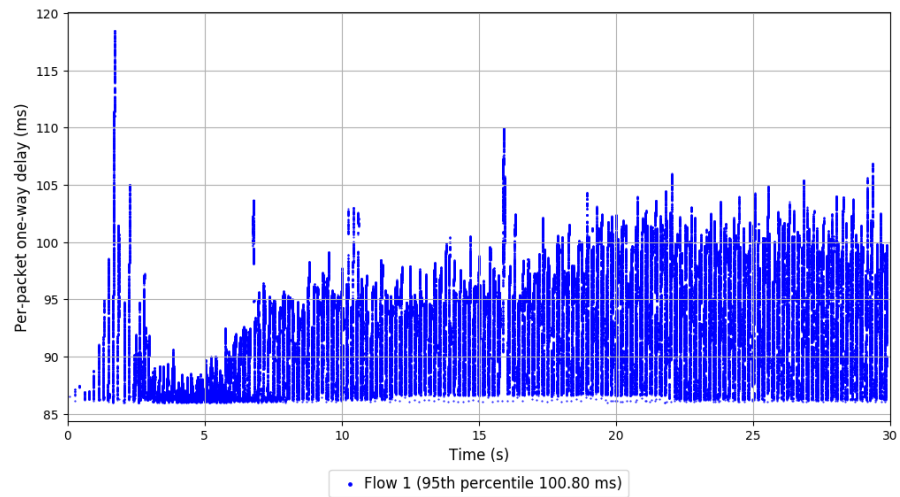
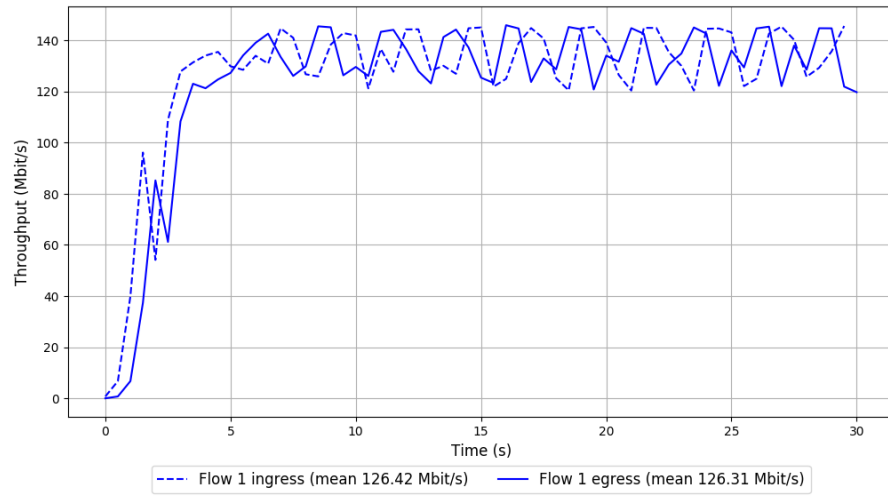


Run 1: Statistics of TCP Cubic

Start at: 2018-07-24 20:34:16
End at: 2018-07-24 20:34:46
Local clock offset: 0.038 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-07-25 00:13:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 126.31 Mbit/s
95th percentile per-packet one-way delay: 100.800 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 126.31 Mbit/s
95th percentile per-packet one-way delay: 100.800 ms
Loss rate: 0.64%

Run 1: Report of TCP Cubic — Data Link

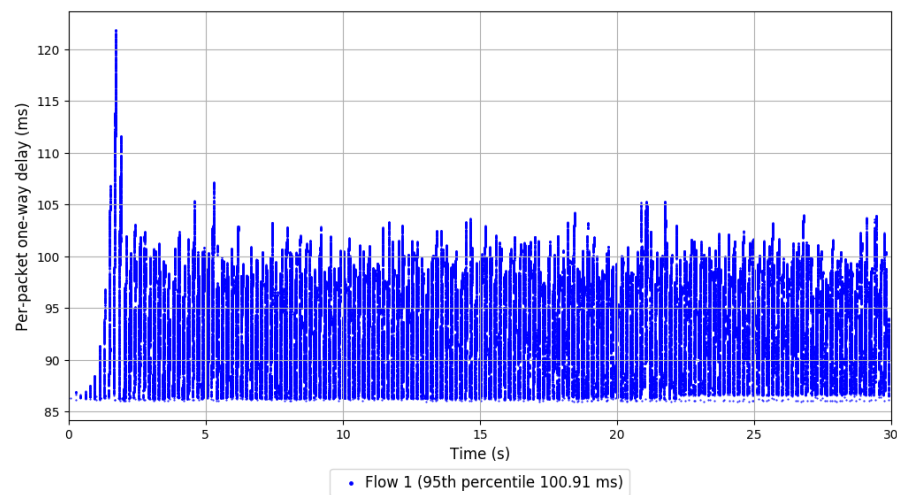
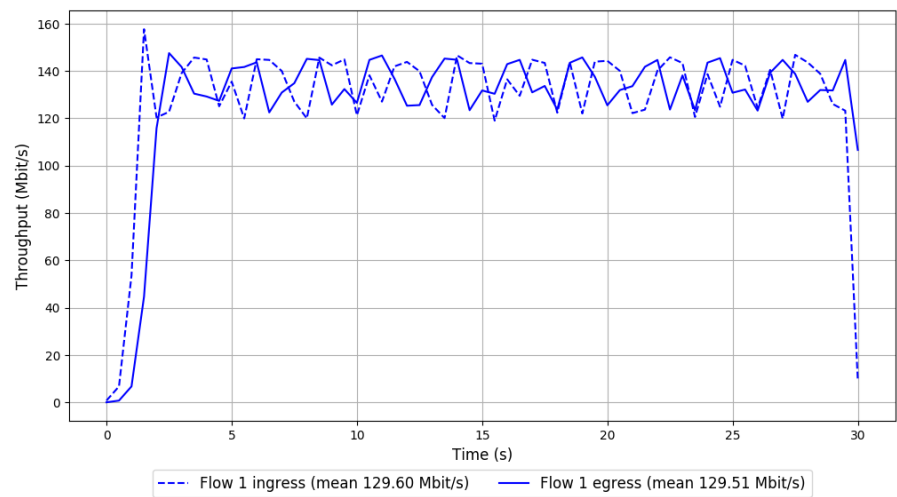


Run 2: Statistics of TCP Cubic

Start at: 2018-07-24 20:55:36
End at: 2018-07-24 20:56:06
Local clock offset: 0.036 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-07-25 00:13:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 129.51 Mbit/s
95th percentile per-packet one-way delay: 100.913 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 129.51 Mbit/s
95th percentile per-packet one-way delay: 100.913 ms
Loss rate: 0.65%

Run 2: Report of TCP Cubic — Data Link

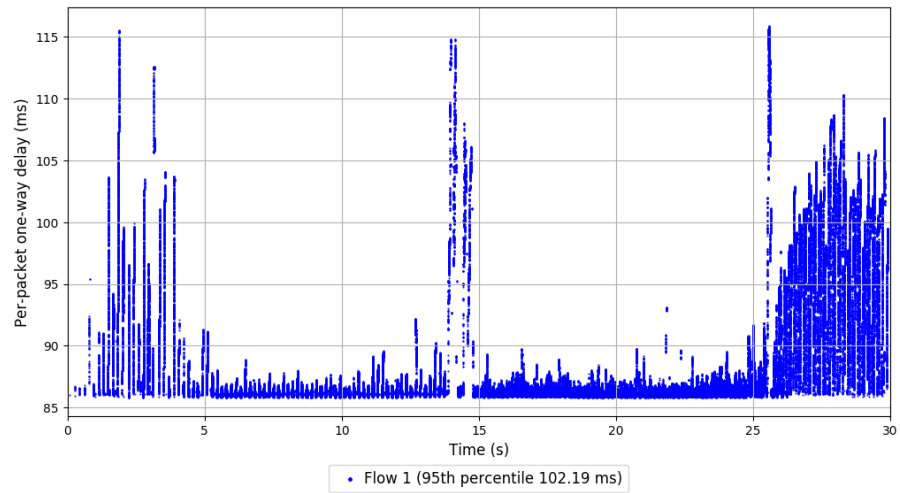
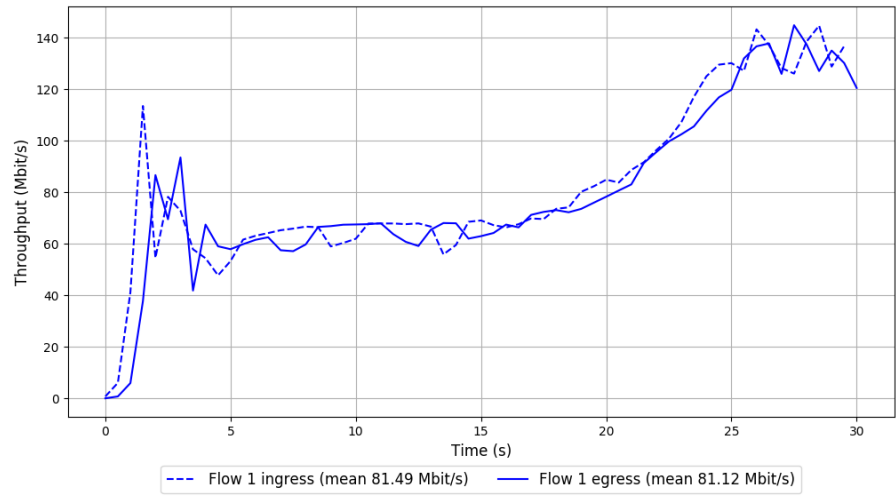


Run 3: Statistics of TCP Cubic

Start at: 2018-07-24 21:17:20
End at: 2018-07-24 21:17:50
Local clock offset: -0.215 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-25 00:13:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.12 Mbit/s
95th percentile per-packet one-way delay: 102.186 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 81.12 Mbit/s
95th percentile per-packet one-way delay: 102.186 ms
Loss rate: 0.99%

Run 3: Report of TCP Cubic — Data Link

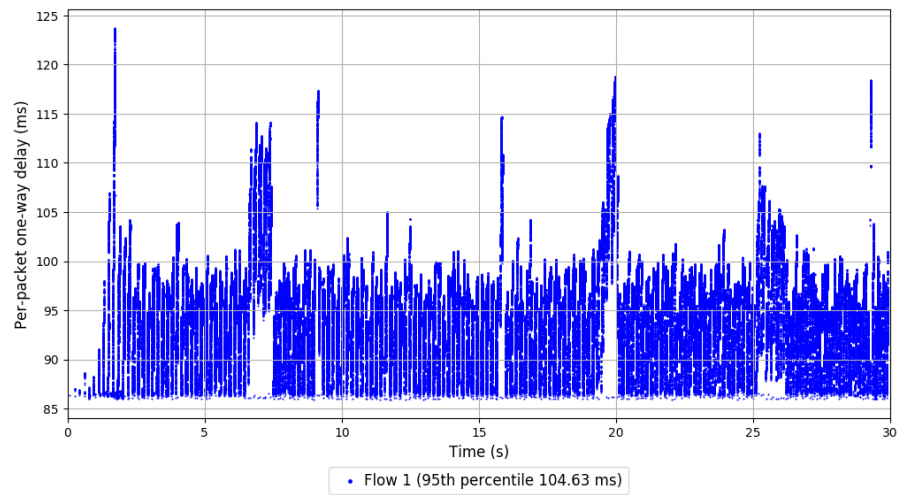
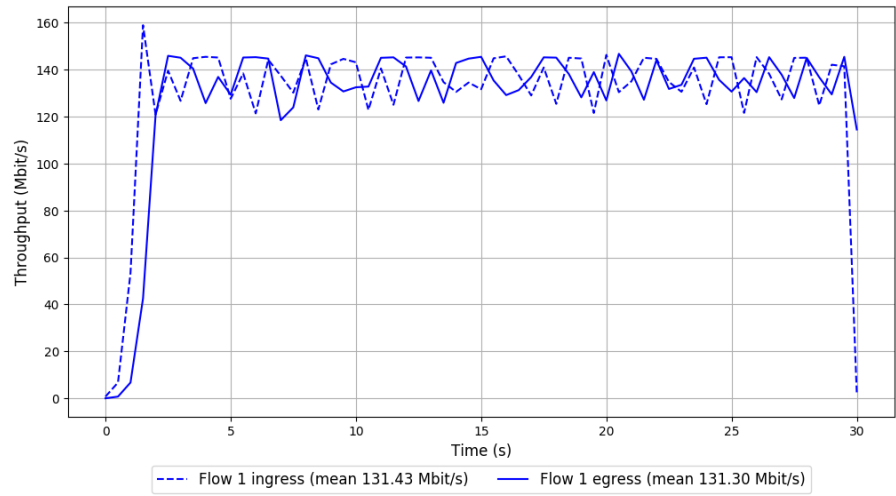


Run 4: Statistics of TCP Cubic

Start at: 2018-07-24 21:39:14
End at: 2018-07-24 21:39:44
Local clock offset: -0.194 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-25 00:13:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 131.30 Mbit/s
95th percentile per-packet one-way delay: 104.628 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 131.30 Mbit/s
95th percentile per-packet one-way delay: 104.628 ms
Loss rate: 0.67%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-24 22:00:44

End at: 2018-07-24 22:01:14

Local clock offset: 0.014 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-25 00:15:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 126.83 Mbit/s

95th percentile per-packet one-way delay: 99.424 ms

Loss rate: 0.36%

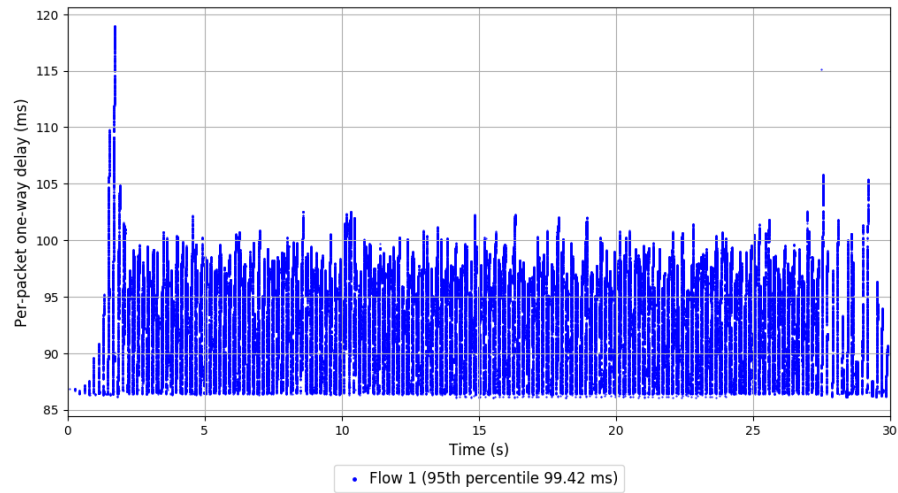
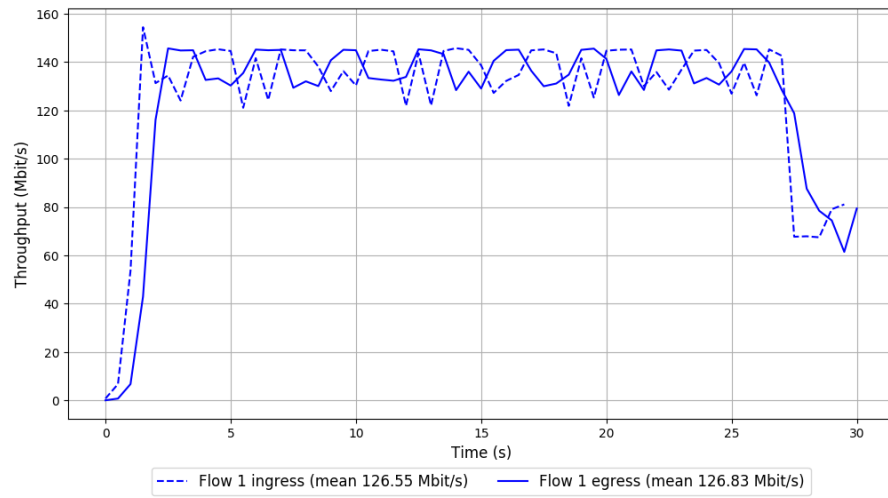
-- Flow 1:

Average throughput: 126.83 Mbit/s

95th percentile per-packet one-way delay: 99.424 ms

Loss rate: 0.36%

Run 5: Report of TCP Cubic — Data Link

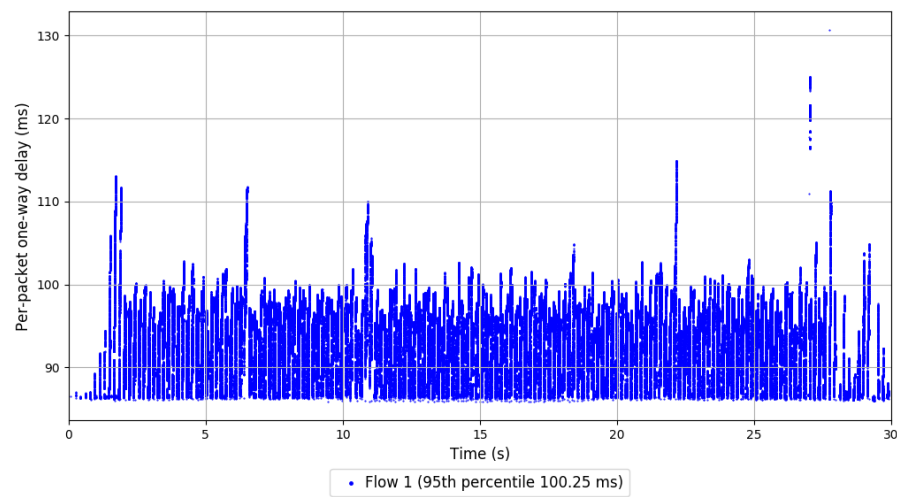
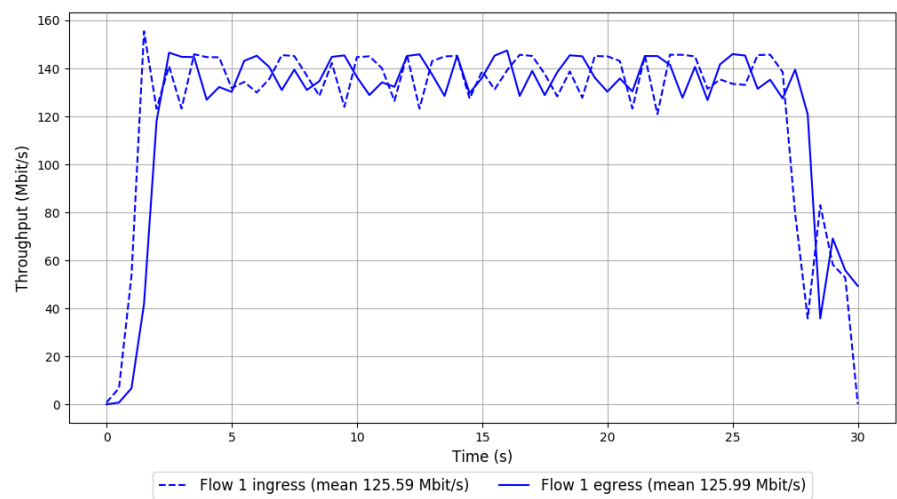


Run 6: Statistics of TCP Cubic

Start at: 2018-07-24 22:22:39
End at: 2018-07-24 22:23:10
Local clock offset: -0.002 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-25 00:15:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 125.99 Mbit/s
95th percentile per-packet one-way delay: 100.255 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 125.99 Mbit/s
95th percentile per-packet one-way delay: 100.255 ms
Loss rate: 0.26%

Run 6: Report of TCP Cubic — Data Link

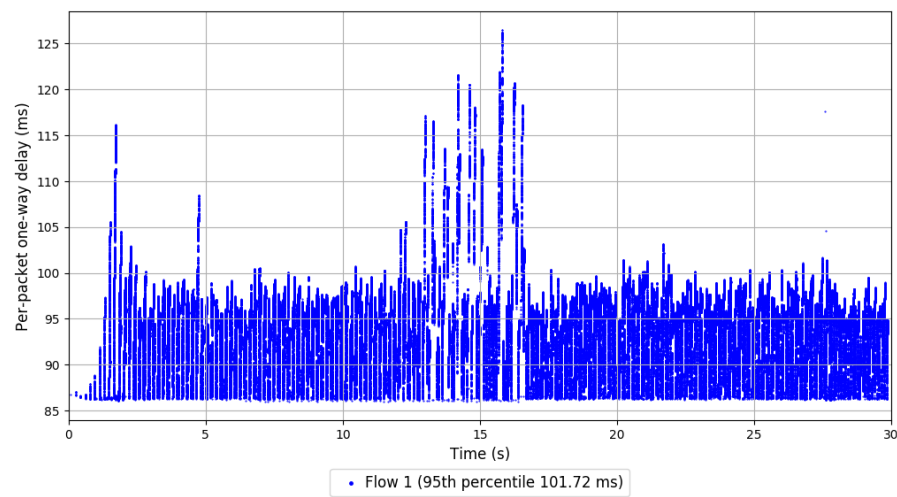
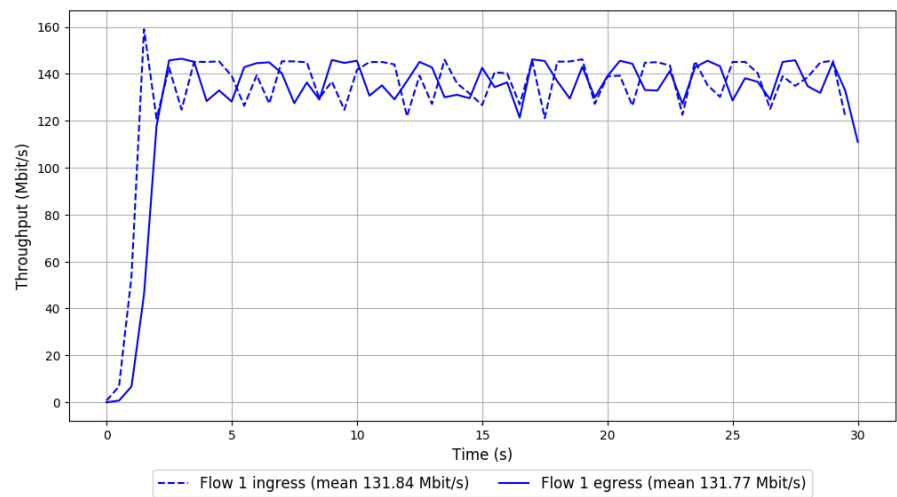


Run 7: Statistics of TCP Cubic

Start at: 2018-07-24 22:44:22
End at: 2018-07-24 22:44:52
Local clock offset: 0.072 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-25 00:15:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 131.77 Mbit/s
95th percentile per-packet one-way delay: 101.715 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 131.77 Mbit/s
95th percentile per-packet one-way delay: 101.715 ms
Loss rate: 0.61%

Run 7: Report of TCP Cubic — Data Link

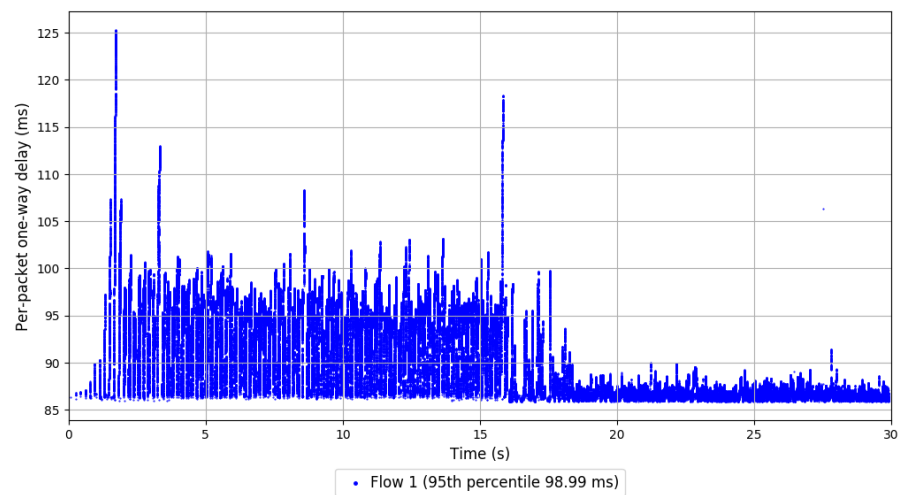
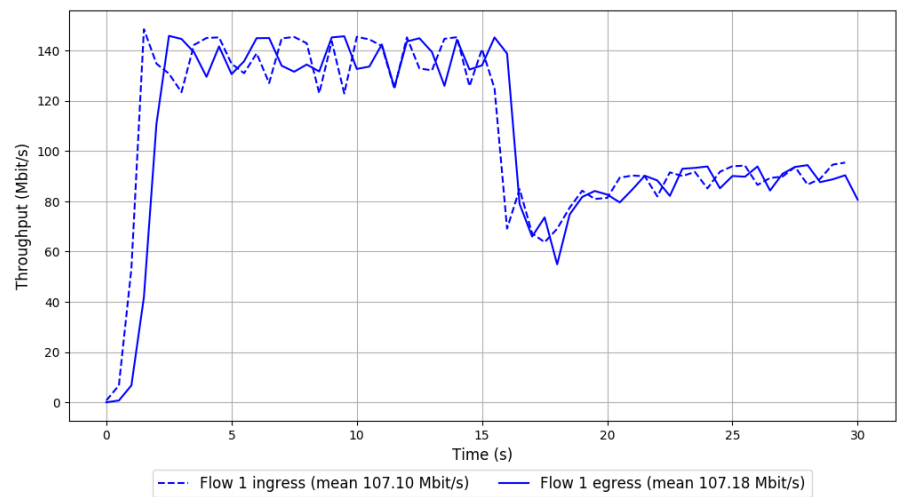


Run 8: Statistics of TCP Cubic

Start at: 2018-07-24 23:06:14
End at: 2018-07-24 23:06:44
Local clock offset: -0.141 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-07-25 00:15:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 107.18 Mbit/s
95th percentile per-packet one-way delay: 98.992 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 107.18 Mbit/s
95th percentile per-packet one-way delay: 98.992 ms
Loss rate: 0.50%

Run 8: Report of TCP Cubic — Data Link

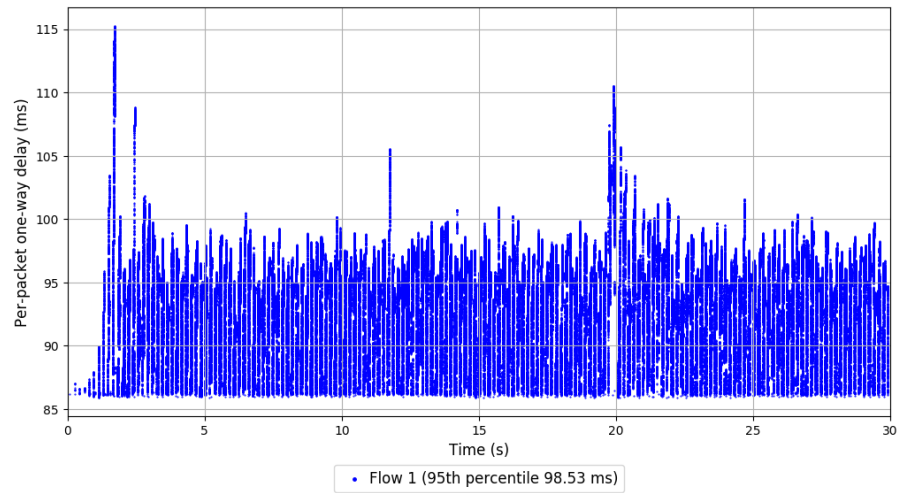
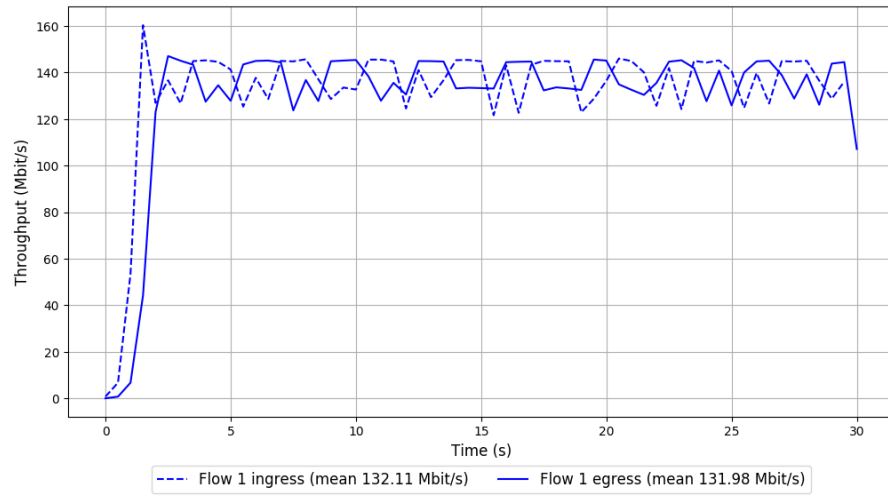


Run 9: Statistics of TCP Cubic

Start at: 2018-07-24 23:27:45
End at: 2018-07-24 23:28:15
Local clock offset: 0.016 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-07-25 00:15:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 131.98 Mbit/s
95th percentile per-packet one-way delay: 98.529 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 131.98 Mbit/s
95th percentile per-packet one-way delay: 98.529 ms
Loss rate: 0.67%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-24 23:49:38

End at: 2018-07-24 23:50:08

Local clock offset: -0.042 ms

Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-25 00:15:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 114.53 Mbit/s

95th percentile per-packet one-way delay: 98.439 ms

Loss rate: 0.46%

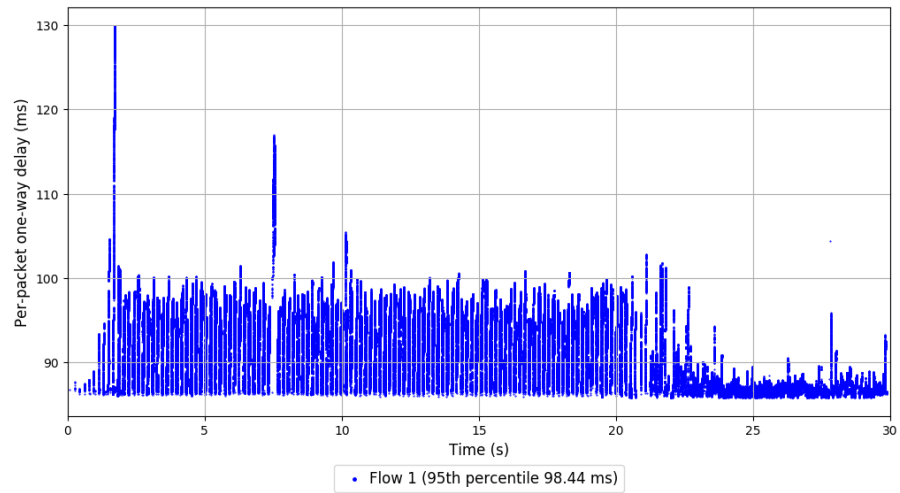
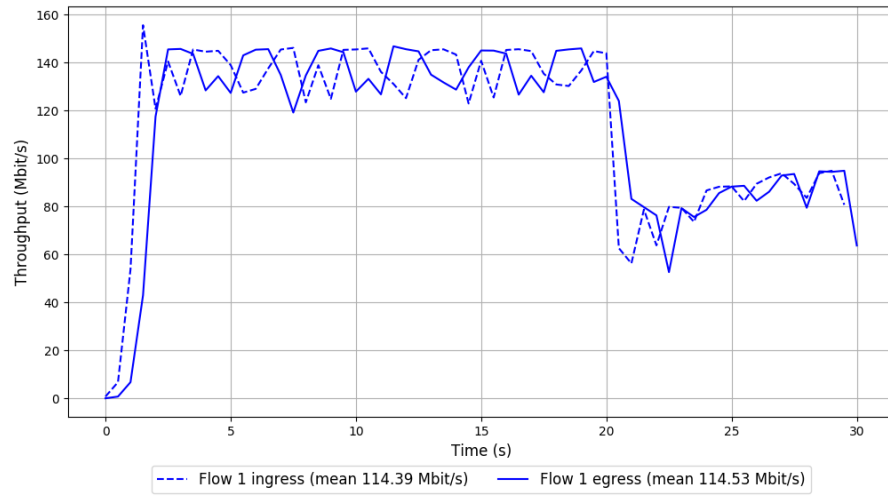
-- Flow 1:

Average throughput: 114.53 Mbit/s

95th percentile per-packet one-way delay: 98.439 ms

Loss rate: 0.46%

Run 10: Report of TCP Cubic — Data Link

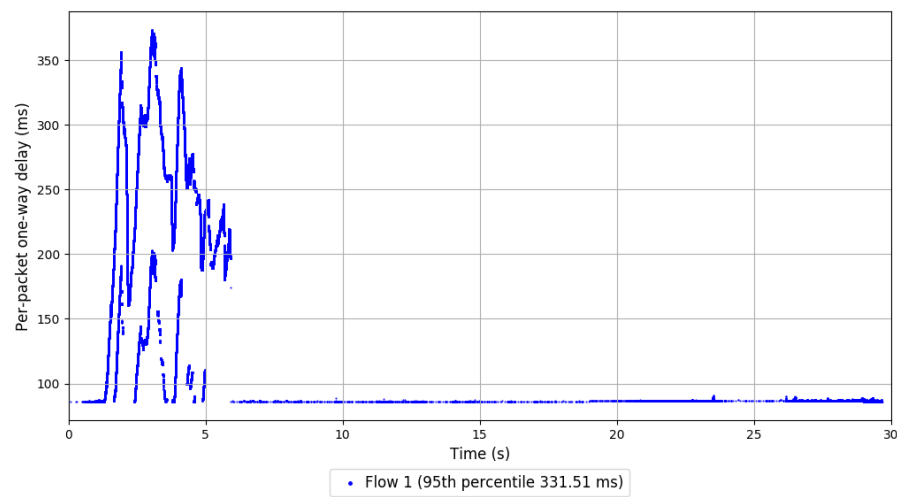
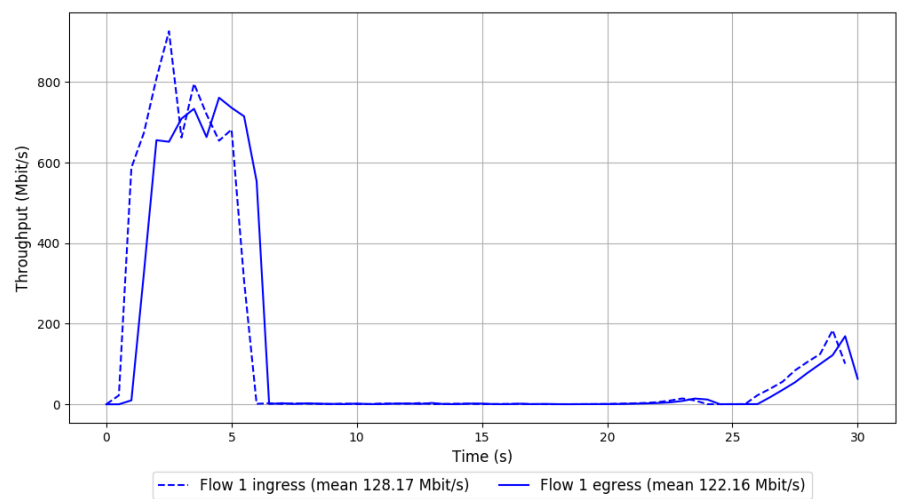


Run 1: Statistics of FillP

Start at: 2018-07-24 20:38:09
End at: 2018-07-24 20:38:39
Local clock offset: -0.001 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-07-25 00:17:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 122.16 Mbit/s
95th percentile per-packet one-way delay: 331.515 ms
Loss rate: 5.24%
-- Flow 1:
Average throughput: 122.16 Mbit/s
95th percentile per-packet one-way delay: 331.515 ms
Loss rate: 5.24%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-24 20:59:36

End at: 2018-07-24 21:00:06

Local clock offset: -0.012 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-25 00:31:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 559.59 Mbit/s

95th percentile per-packet one-way delay: 315.411 ms

Loss rate: 2.16%

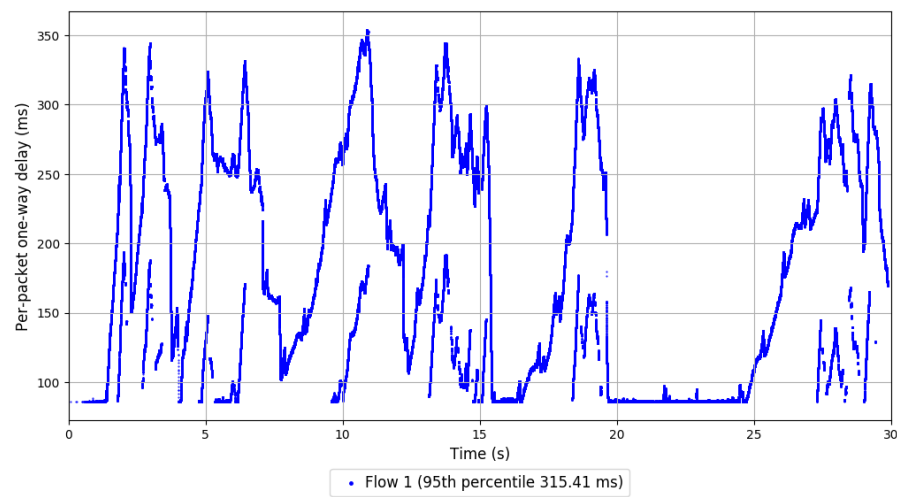
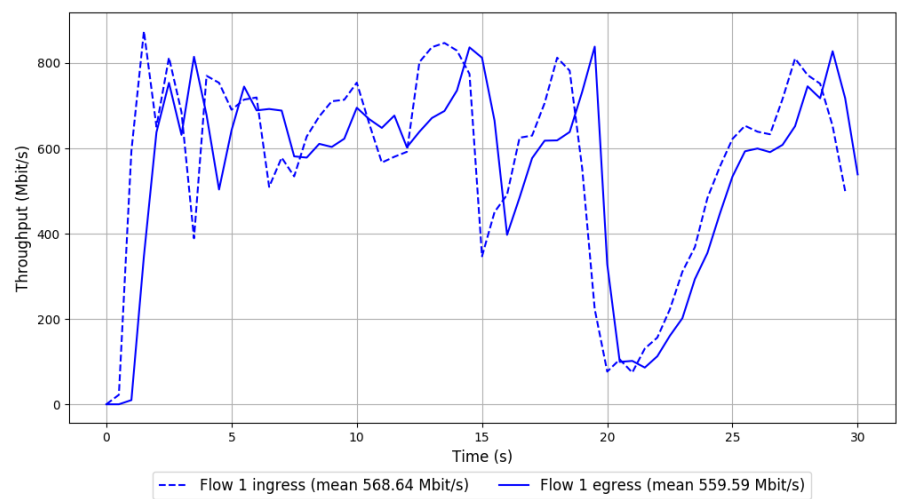
-- Flow 1:

Average throughput: 559.59 Mbit/s

95th percentile per-packet one-way delay: 315.411 ms

Loss rate: 2.16%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-24 21:21:18

End at: 2018-07-24 21:21:48

Local clock offset: -0.34 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-07-25 00:34:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 655.85 Mbit/s

95th percentile per-packet one-way delay: 287.991 ms

Loss rate: 1.37%

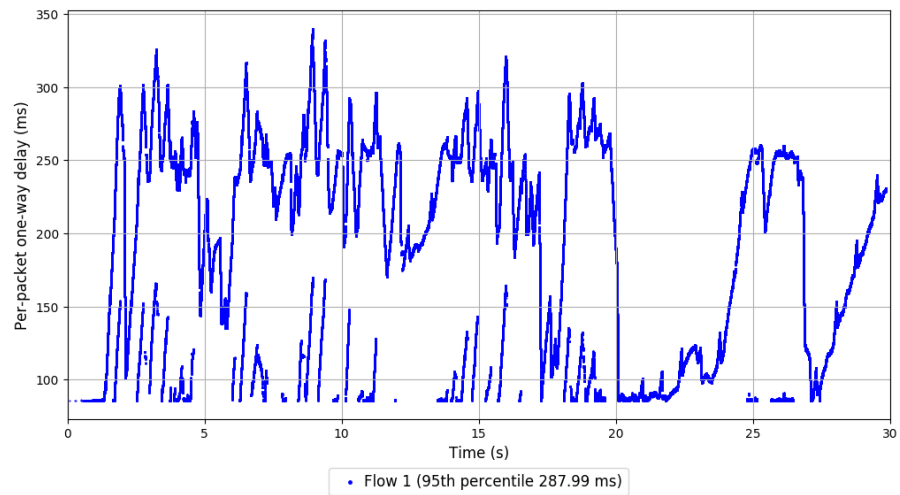
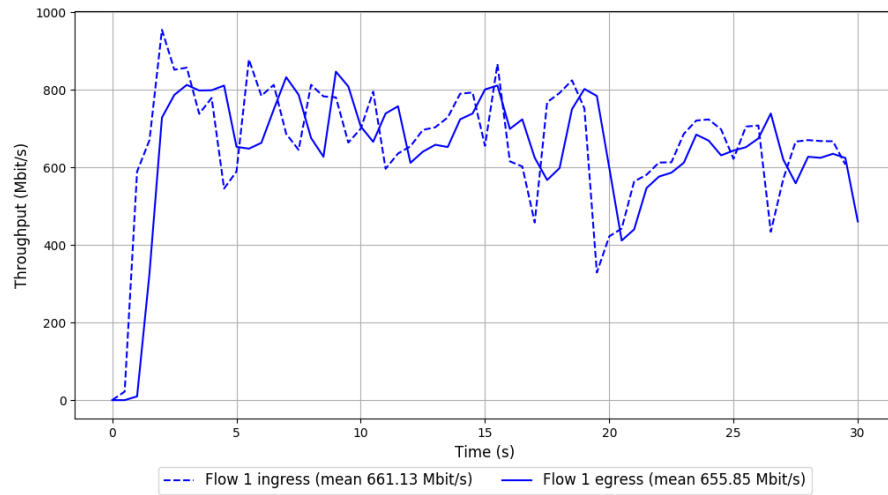
-- Flow 1:

Average throughput: 655.85 Mbit/s

95th percentile per-packet one-way delay: 287.991 ms

Loss rate: 1.37%

Run 3: Report of FillP — Data Link

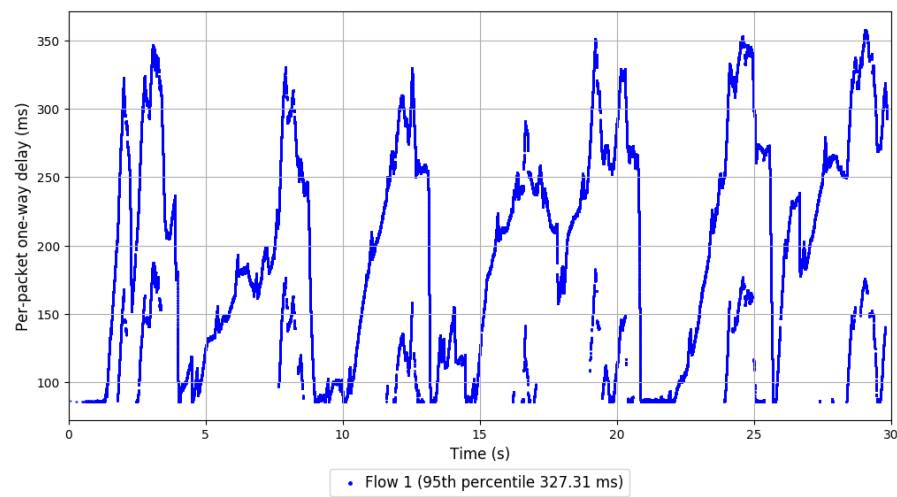
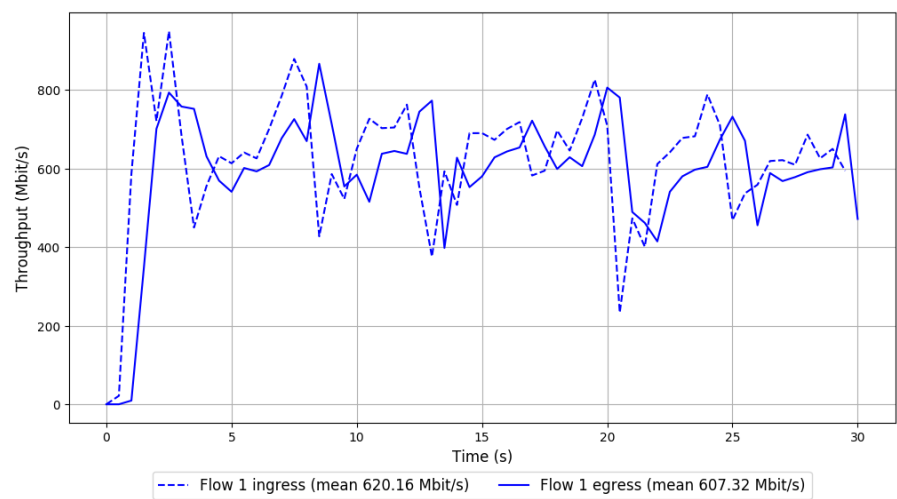


Run 4: Statistics of FillP

Start at: 2018-07-24 21:43:06
End at: 2018-07-24 21:43:36
Local clock offset: -0.155 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-25 00:34:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 607.32 Mbit/s
95th percentile per-packet one-way delay: 327.312 ms
Loss rate: 2.64%
-- Flow 1:
Average throughput: 607.32 Mbit/s
95th percentile per-packet one-way delay: 327.312 ms
Loss rate: 2.64%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-24 22:04:40

End at: 2018-07-24 22:05:10

Local clock offset: -0.169 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-25 00:34:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 600.49 Mbit/s

95th percentile per-packet one-way delay: 299.467 ms

Loss rate: 2.32%

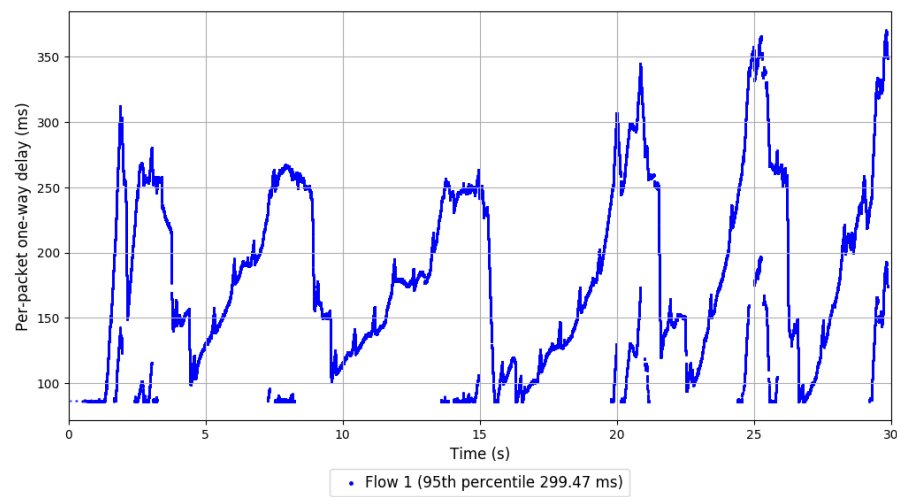
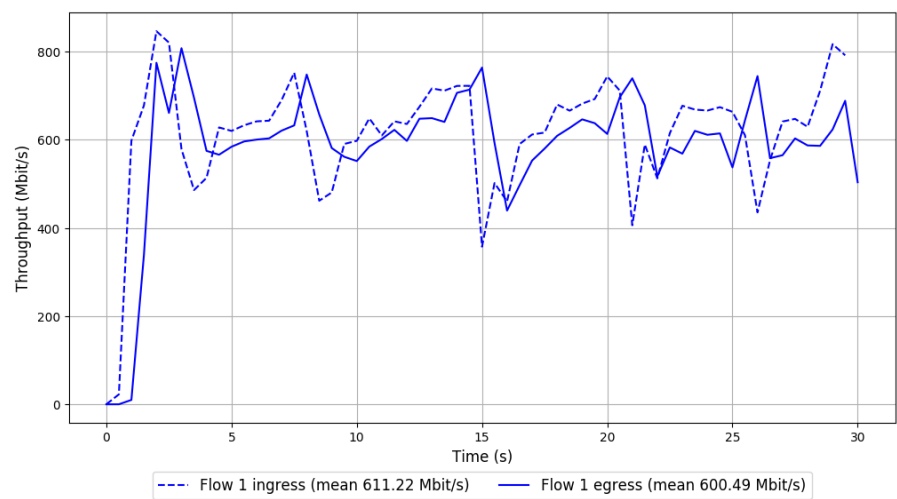
-- Flow 1:

Average throughput: 600.49 Mbit/s

95th percentile per-packet one-way delay: 299.467 ms

Loss rate: 2.32%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-24 22:26:29

End at: 2018-07-24 22:26:59

Local clock offset: 0.173 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-07-25 00:34:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 593.22 Mbit/s

95th percentile per-packet one-way delay: 322.399 ms

Loss rate: 4.46%

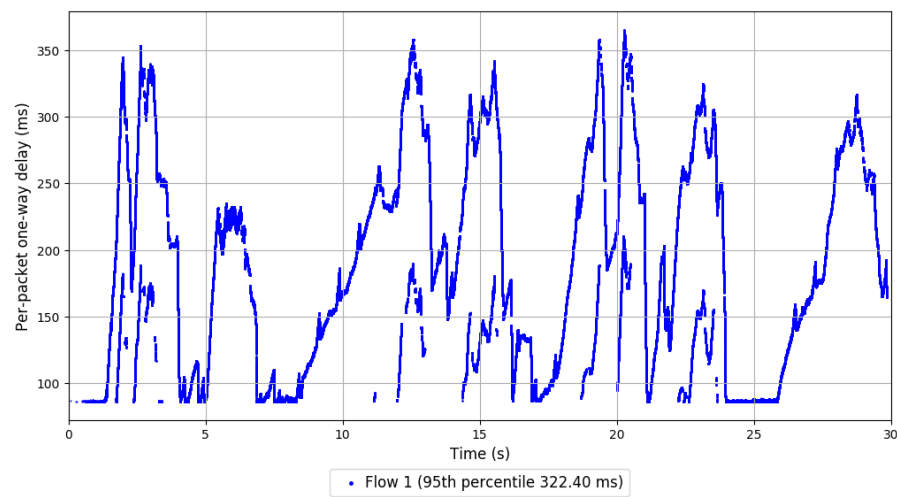
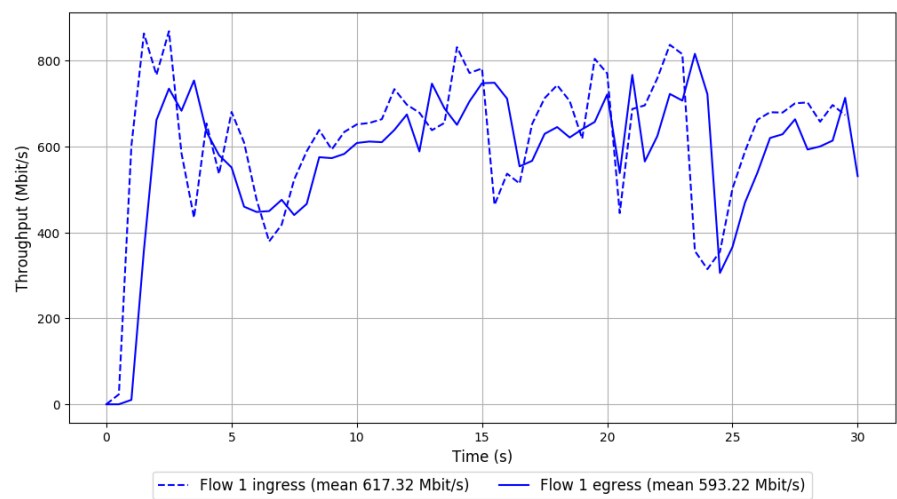
-- Flow 1:

Average throughput: 593.22 Mbit/s

95th percentile per-packet one-way delay: 322.399 ms

Loss rate: 4.46%

Run 6: Report of FillP — Data Link

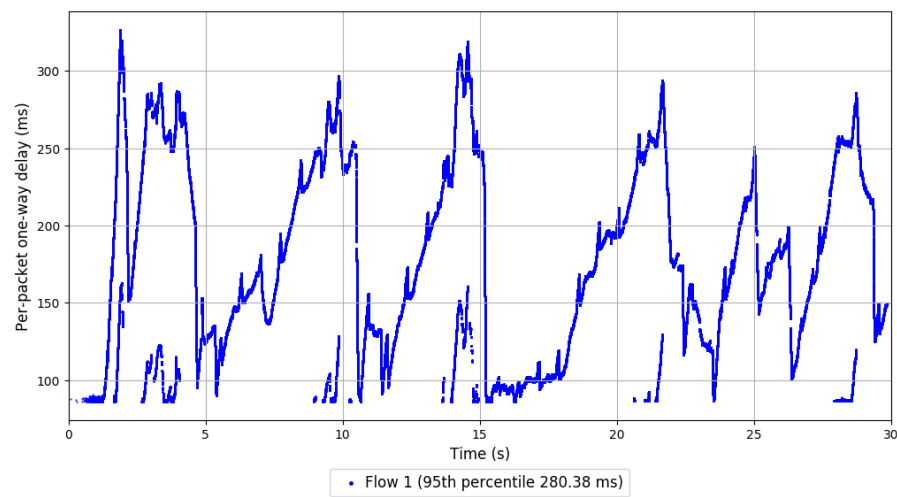
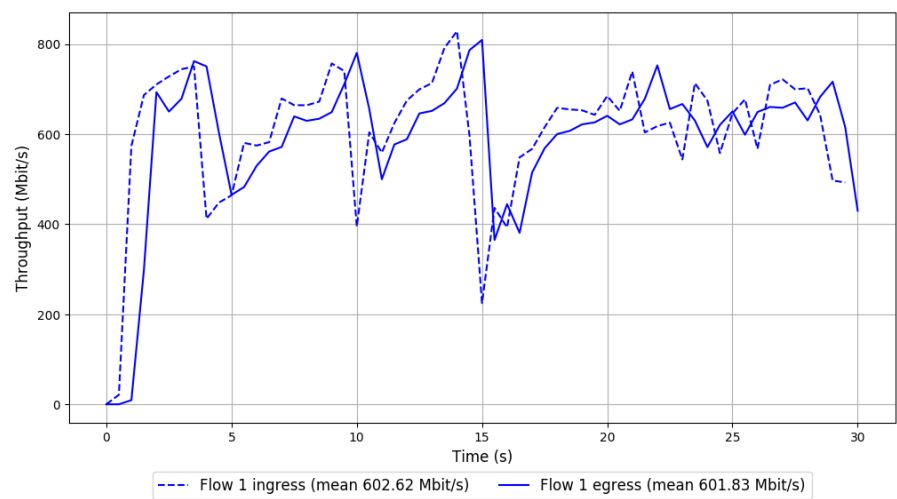


Run 7: Statistics of FillP

Start at: 2018-07-24 22:48:18
End at: 2018-07-24 22:48:48
Local clock offset: 0.161 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-07-25 00:34:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 601.83 Mbit/s
95th percentile per-packet one-way delay: 280.380 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 601.83 Mbit/s
95th percentile per-packet one-way delay: 280.380 ms
Loss rate: 0.71%

Run 7: Report of FillP — Data Link

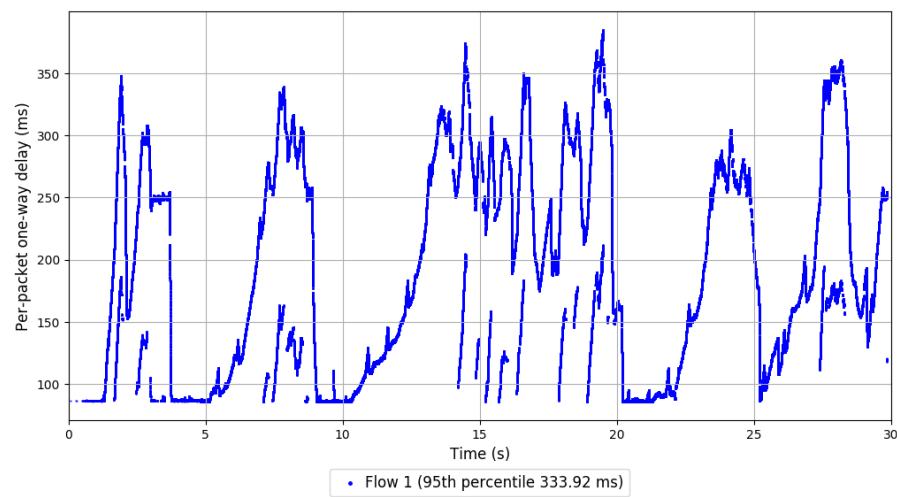
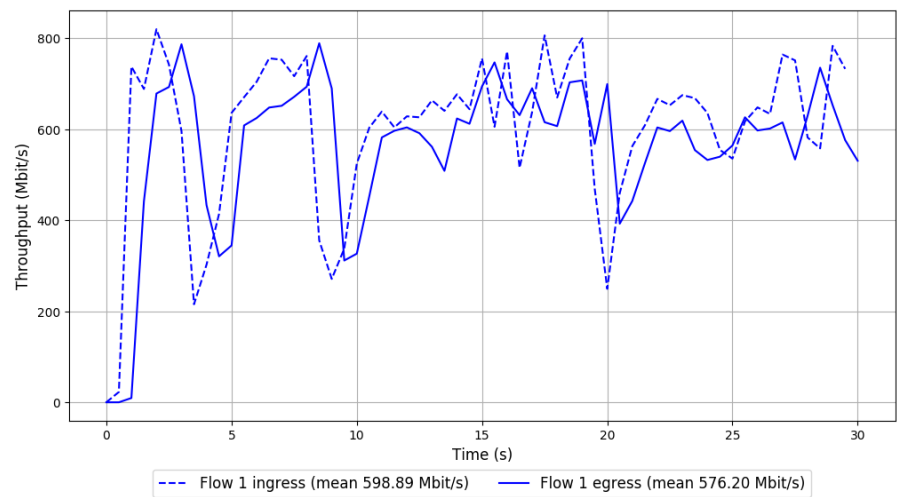


Run 8: Statistics of FillP

Start at: 2018-07-24 23:10:14
End at: 2018-07-24 23:10:44
Local clock offset: -0.283 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-07-25 00:34:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 576.20 Mbit/s
95th percentile per-packet one-way delay: 333.923 ms
Loss rate: 4.33%
-- Flow 1:
Average throughput: 576.20 Mbit/s
95th percentile per-packet one-way delay: 333.923 ms
Loss rate: 4.33%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-24 23:31:39

End at: 2018-07-24 23:32:09

Local clock offset: 0.065 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-07-25 00:34:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 463.86 Mbit/s

95th percentile per-packet one-way delay: 345.432 ms

Loss rate: 4.74%

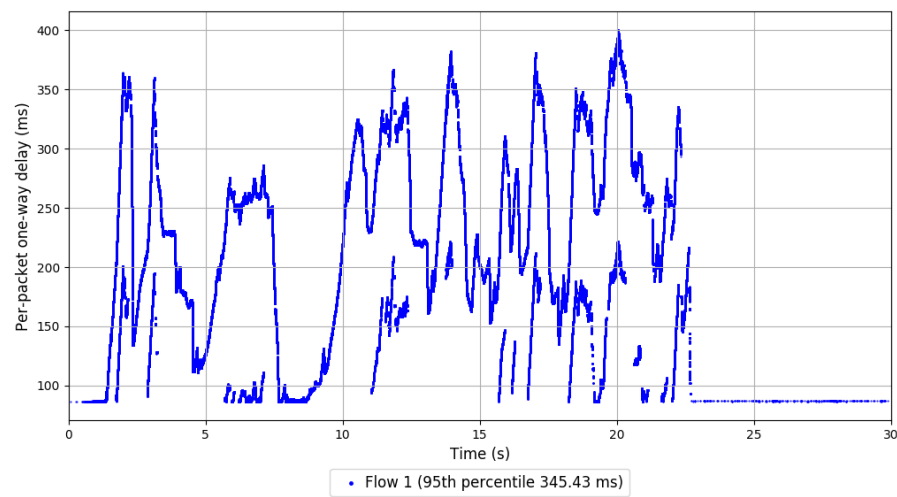
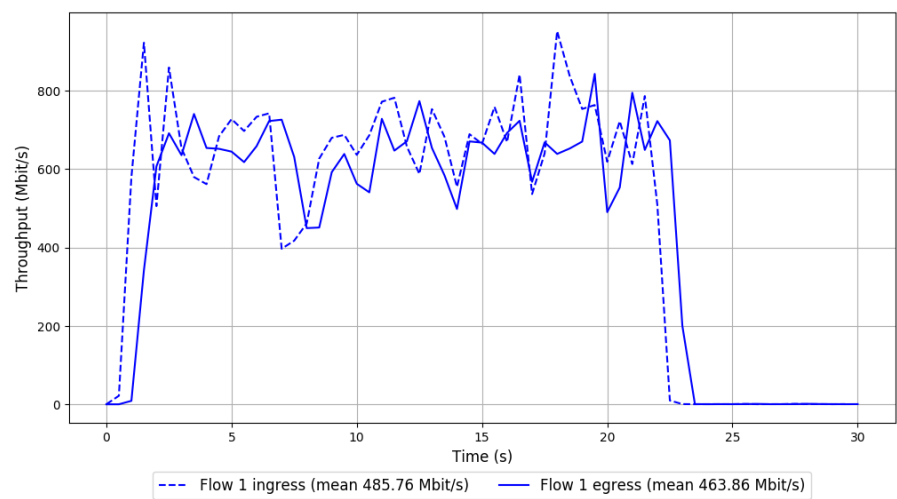
-- Flow 1:

Average throughput: 463.86 Mbit/s

95th percentile per-packet one-way delay: 345.432 ms

Loss rate: 4.74%

Run 9: Report of FillP — Data Link

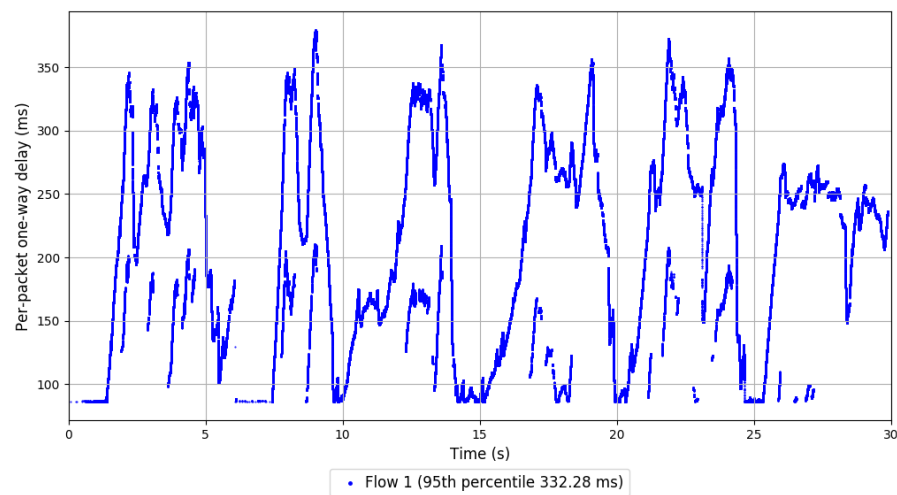
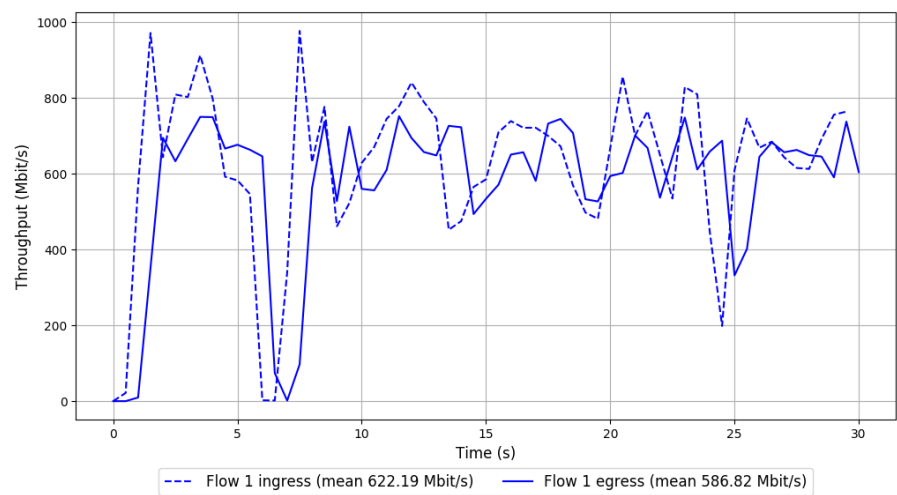


Run 10: Statistics of FillP

Start at: 2018-07-24 23:53:30
End at: 2018-07-24 23:54:00
Local clock offset: 0.032 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-25 00:47:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 586.82 Mbit/s
95th percentile per-packet one-way delay: 332.276 ms
Loss rate: 6.23%
-- Flow 1:
Average throughput: 586.82 Mbit/s
95th percentile per-packet one-way delay: 332.276 ms
Loss rate: 6.23%

Run 10: Report of FillP — Data Link

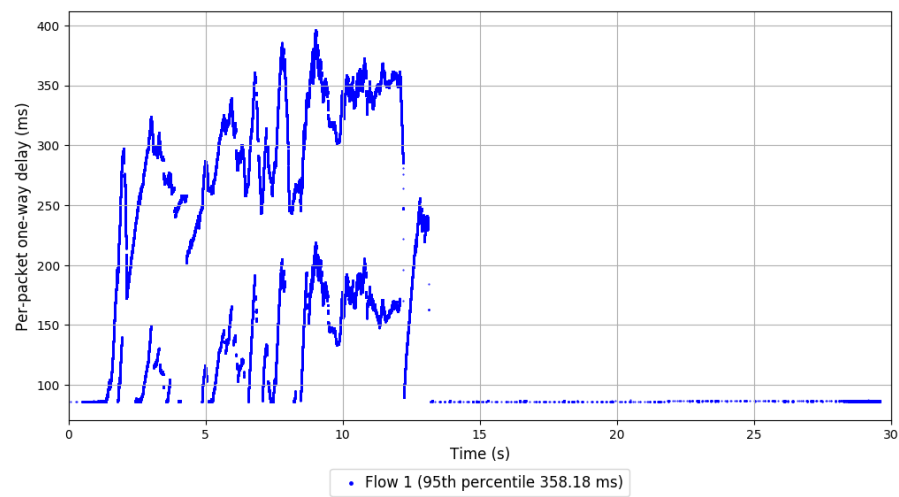
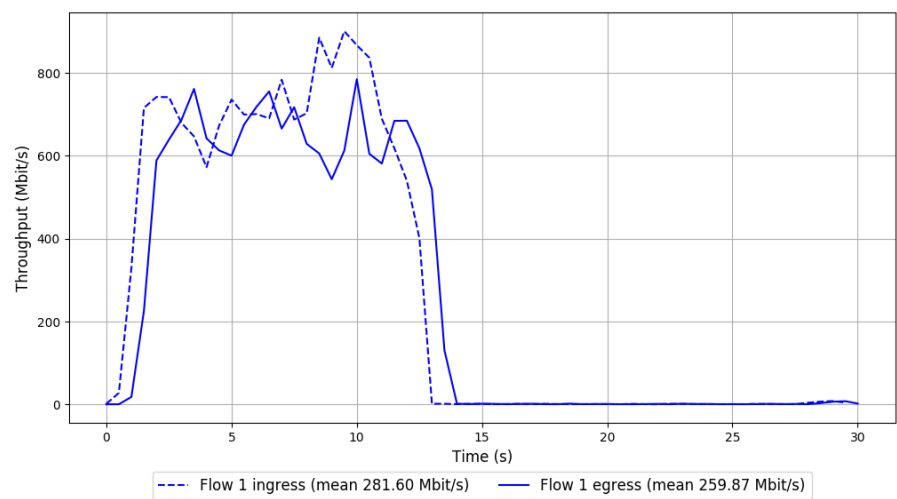


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-24 20:29:36
End at: 2018-07-24 20:30:06
Local clock offset: 0.01 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-07-25 00:47:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 259.87 Mbit/s
95th percentile per-packet one-way delay: 358.181 ms
Loss rate: 8.25%
-- Flow 1:
Average throughput: 259.87 Mbit/s
95th percentile per-packet one-way delay: 358.181 ms
Loss rate: 8.25%

Run 1: Report of FillP-Sheep — Data Link

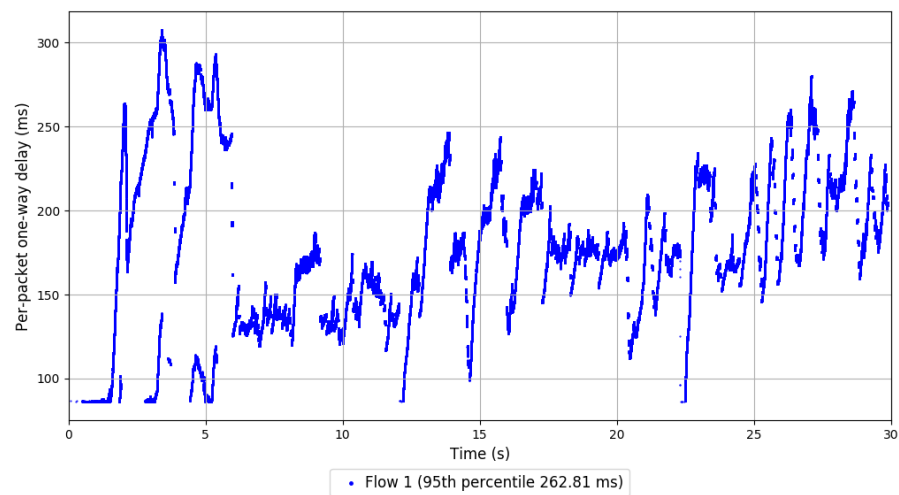
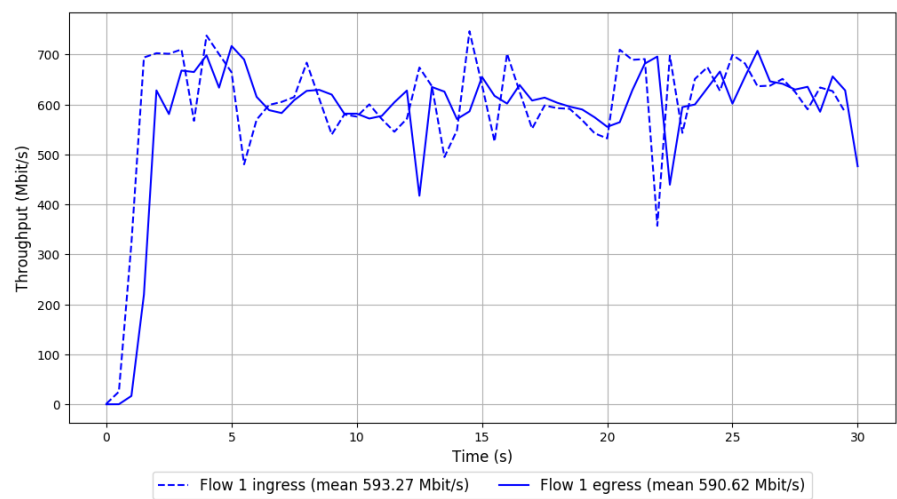


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-24 20:50:38
End at: 2018-07-24 20:51:08
Local clock offset: 0.163 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-25 00:48:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 590.62 Mbit/s
95th percentile per-packet one-way delay: 262.809 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 590.62 Mbit/s
95th percentile per-packet one-way delay: 262.809 ms
Loss rate: 1.02%

Run 2: Report of FillP-Sheep — Data Link

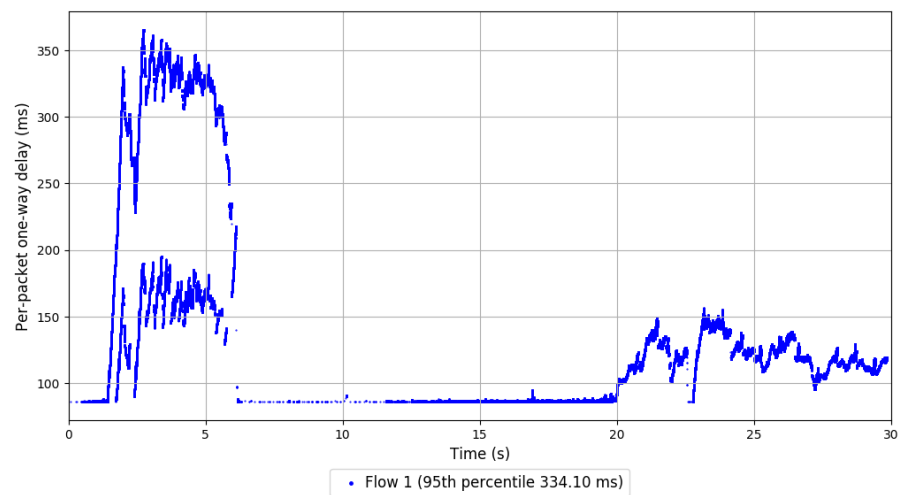
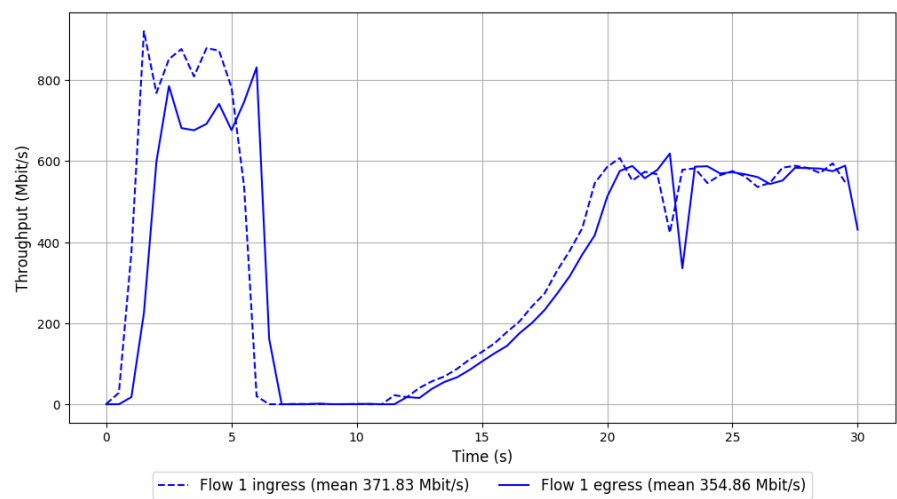


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-24 21:12:32
End at: 2018-07-24 21:13:02
Local clock offset: -0.119 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-07-25 00:48:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 354.86 Mbit/s
95th percentile per-packet one-way delay: 334.100 ms
Loss rate: 5.12%
-- Flow 1:
Average throughput: 354.86 Mbit/s
95th percentile per-packet one-way delay: 334.100 ms
Loss rate: 5.12%

Run 3: Report of FillP-Sheep — Data Link

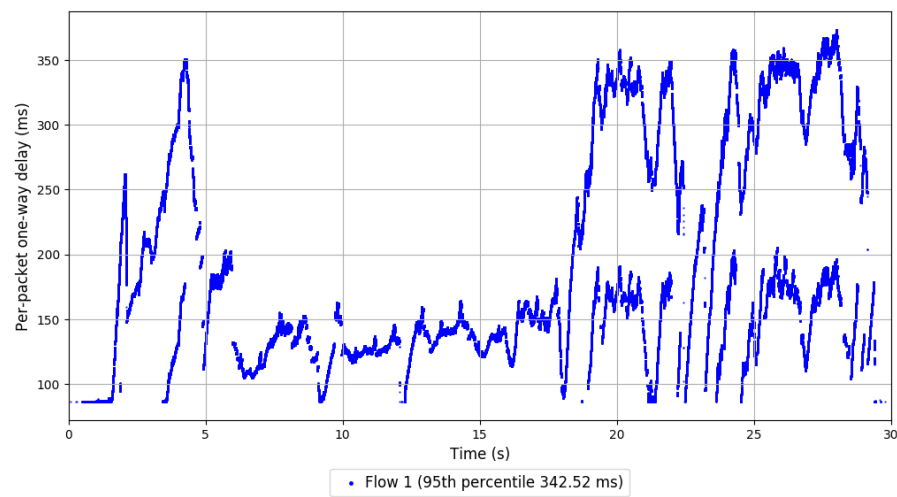
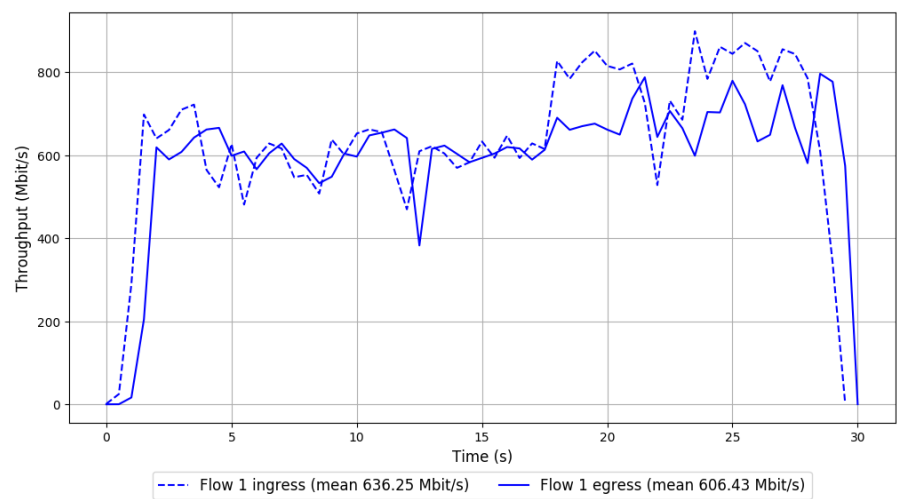


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-24 21:34:14
End at: 2018-07-24 21:34:44
Local clock offset: -0.082 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-07-25 00:49:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 606.43 Mbit/s
95th percentile per-packet one-way delay: 342.523 ms
Loss rate: 5.38%
-- Flow 1:
Average throughput: 606.43 Mbit/s
95th percentile per-packet one-way delay: 342.523 ms
Loss rate: 5.38%

Run 4: Report of FillP-Sheep — Data Link

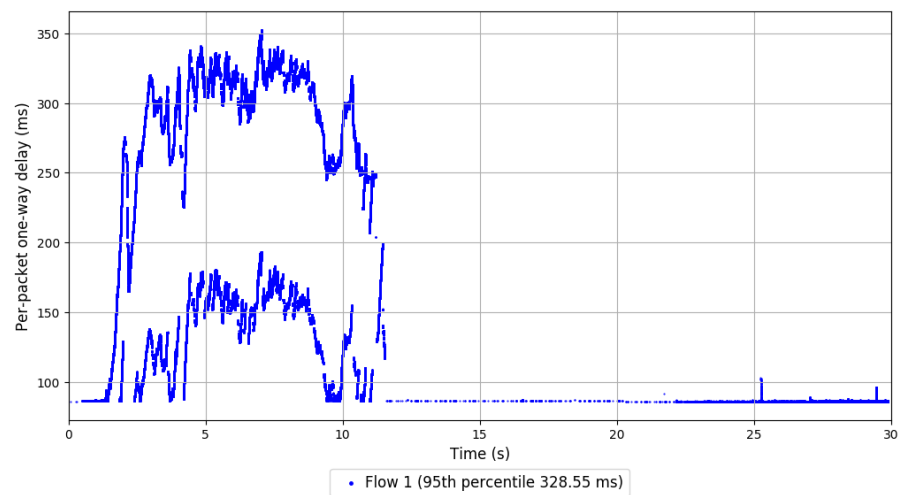
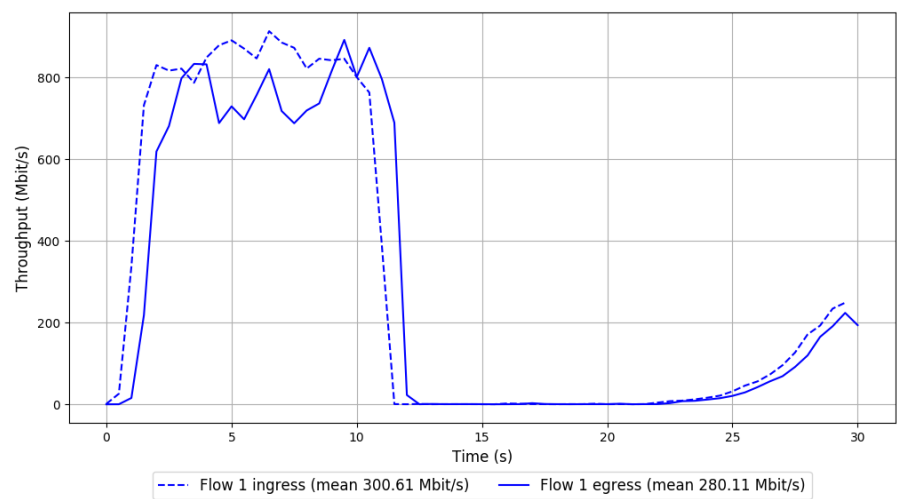


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-24 21:55:58
End at: 2018-07-24 21:56:28
Local clock offset: -0.204 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-07-25 00:49:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 280.11 Mbit/s
95th percentile per-packet one-way delay: 328.549 ms
Loss rate: 7.35%
-- Flow 1:
Average throughput: 280.11 Mbit/s
95th percentile per-packet one-way delay: 328.549 ms
Loss rate: 7.35%

Run 5: Report of FillP-Sheep — Data Link

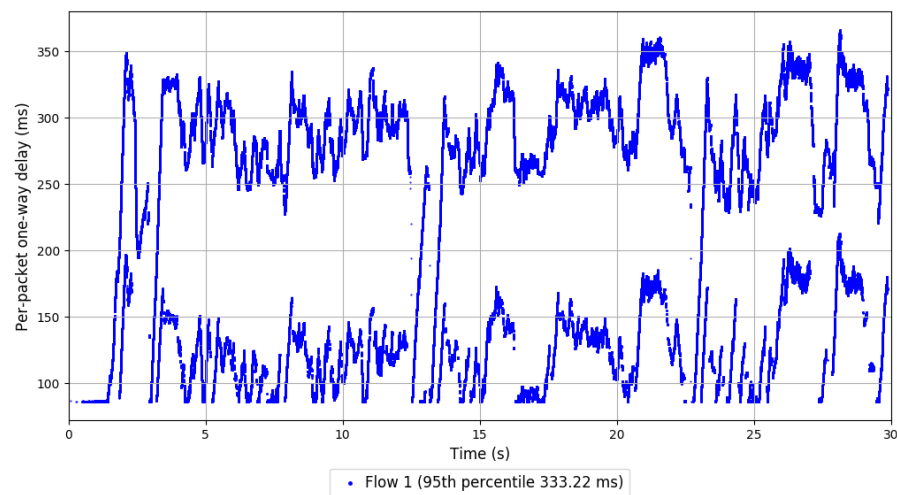
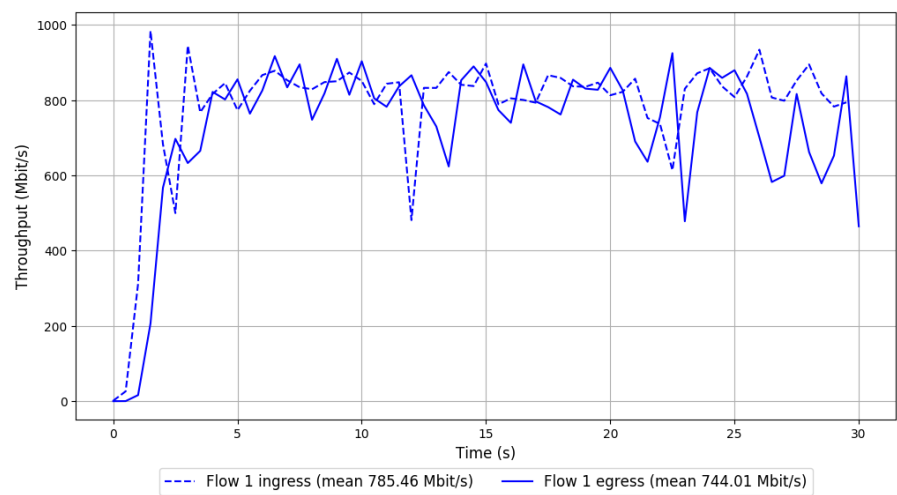


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-24 22:17:27
End at: 2018-07-24 22:17:57
Local clock offset: 0.182 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-07-25 00:54:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 744.01 Mbit/s
95th percentile per-packet one-way delay: 333.217 ms
Loss rate: 5.83%
-- Flow 1:
Average throughput: 744.01 Mbit/s
95th percentile per-packet one-way delay: 333.217 ms
Loss rate: 5.83%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-07-24 22:39:23

End at: 2018-07-24 22:39:53

Local clock offset: 0.366 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-07-25 00:54:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 611.57 Mbit/s

95th percentile per-packet one-way delay: 221.591 ms

Loss rate: 0.55%

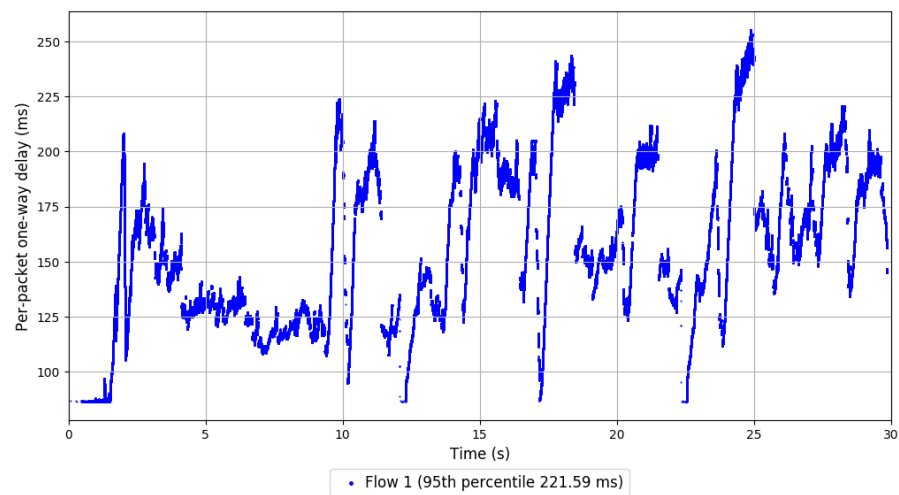
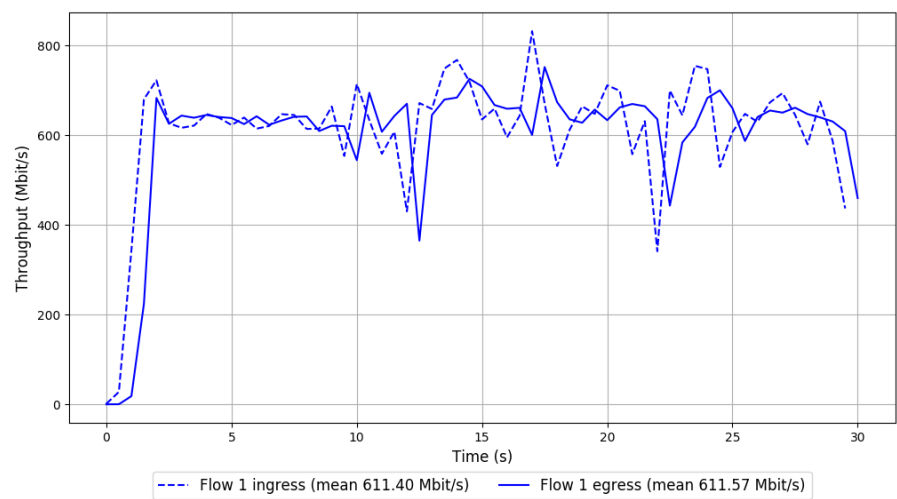
-- Flow 1:

Average throughput: 611.57 Mbit/s

95th percentile per-packet one-way delay: 221.591 ms

Loss rate: 0.55%

Run 7: Report of FillP-Sheep — Data Link

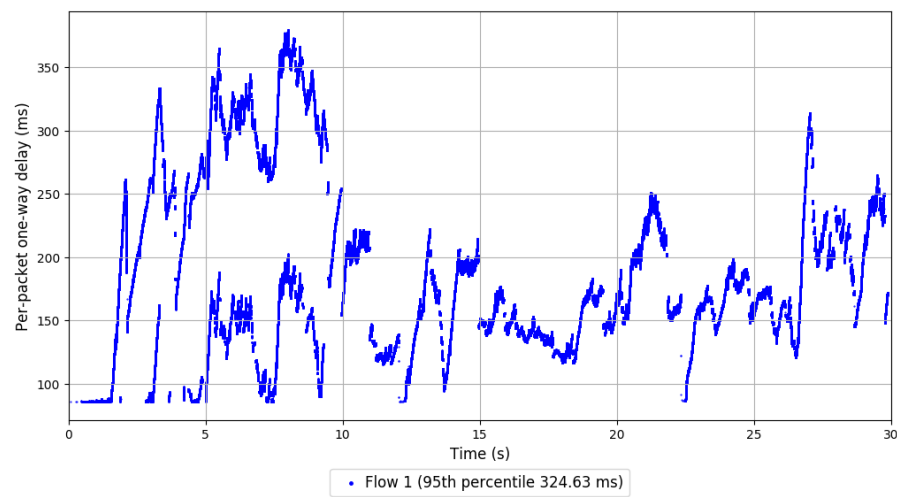
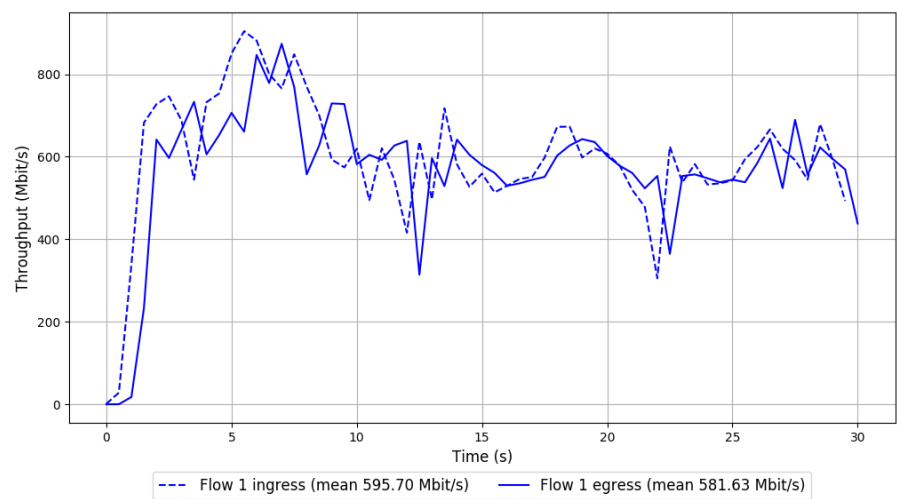


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-24 23:01:14
End at: 2018-07-24 23:01:44
Local clock offset: -0.017 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-07-25 00:55:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 581.63 Mbit/s
95th percentile per-packet one-way delay: 324.632 ms
Loss rate: 2.93%
-- Flow 1:
Average throughput: 581.63 Mbit/s
95th percentile per-packet one-way delay: 324.632 ms
Loss rate: 2.93%

Run 8: Report of FillP-Sheep — Data Link

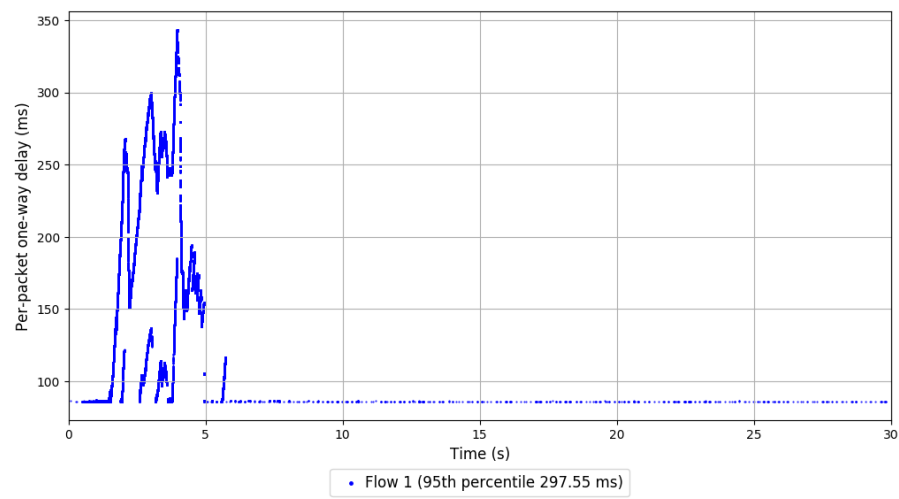
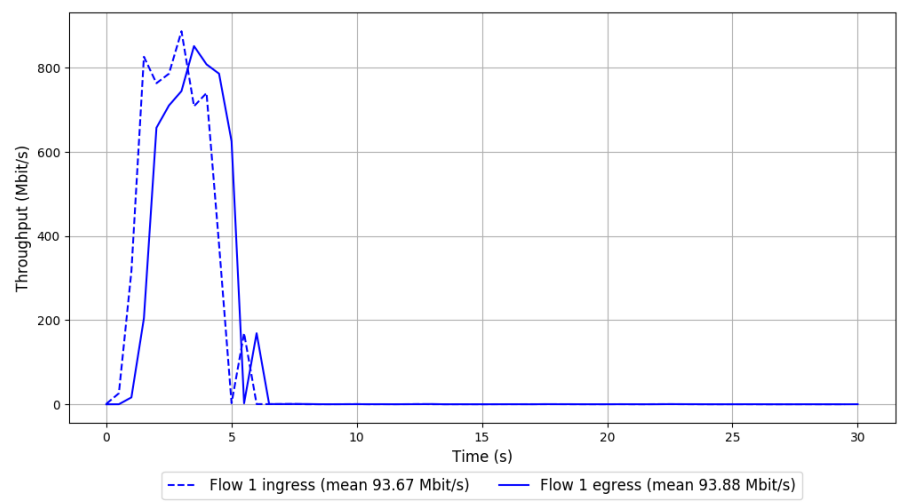


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-24 23:23:09
End at: 2018-07-24 23:23:39
Local clock offset: -0.119 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-25 00:55:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.88 Mbit/s
95th percentile per-packet one-way delay: 297.549 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 93.88 Mbit/s
95th percentile per-packet one-way delay: 297.549 ms
Loss rate: 0.52%

Run 9: Report of FillP-Sheep — Data Link

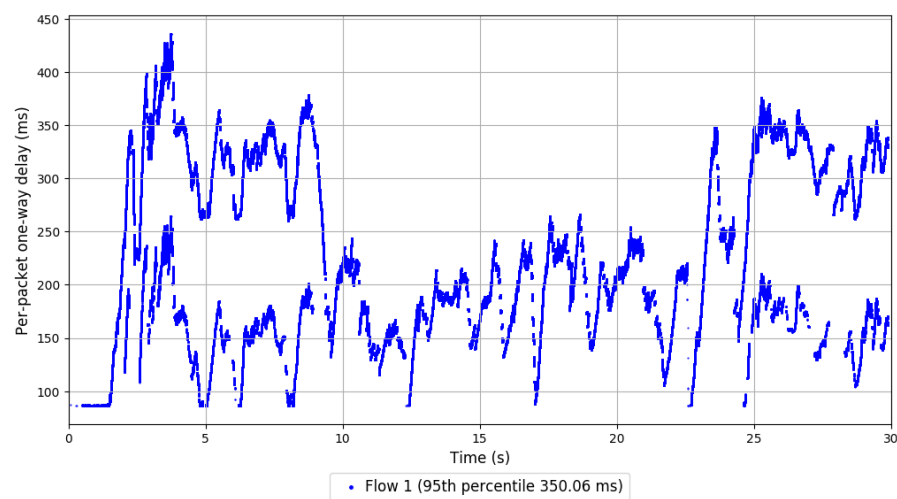
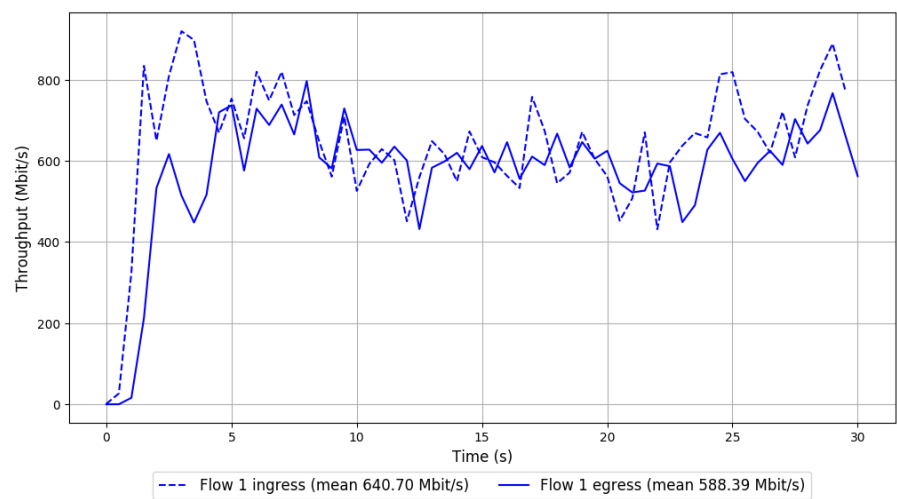


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-24 23:44:35
End at: 2018-07-24 23:45:05
Local clock offset: -0.023 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-07-25 01:01:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 588.39 Mbit/s
95th percentile per-packet one-way delay: 350.058 ms
Loss rate: 8.70%
-- Flow 1:
Average throughput: 588.39 Mbit/s
95th percentile per-packet one-way delay: 350.058 ms
Loss rate: 8.70%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

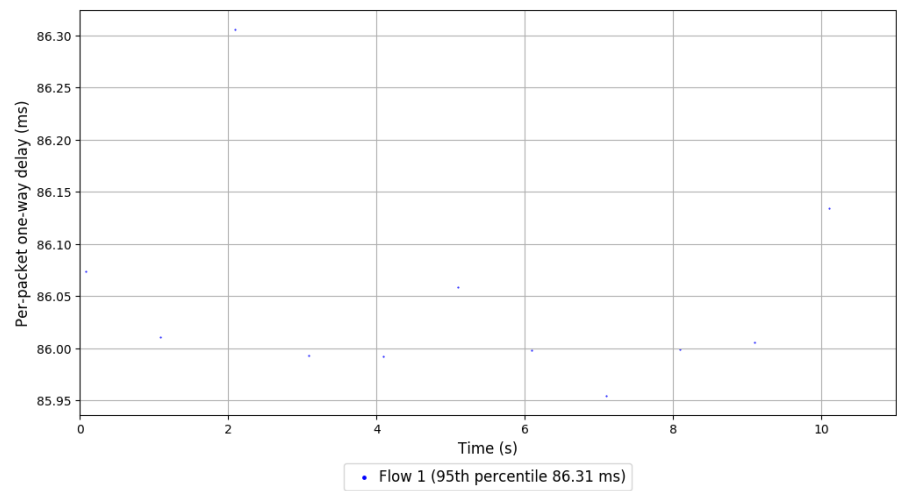
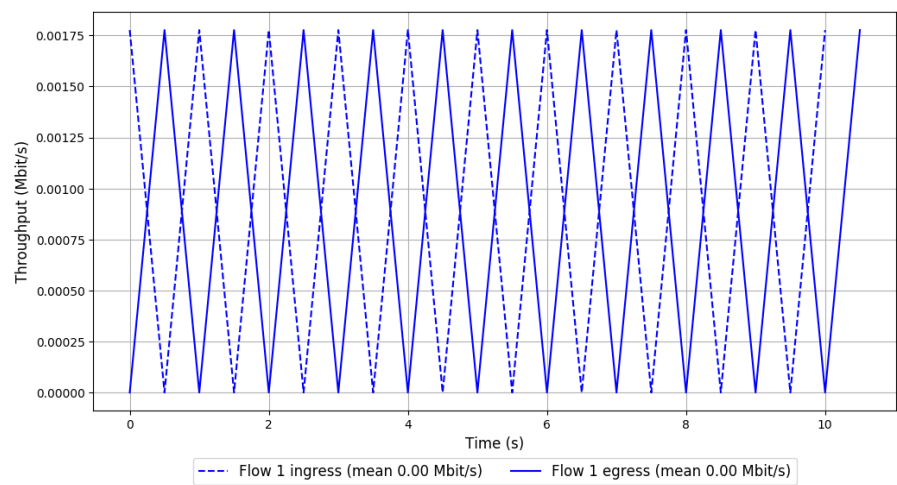
Start at: 2018-07-24 20:18:39

End at: 2018-07-24 20:19:09

Local clock offset: -0.108 ms

Remote clock offset: -0.233 ms

Run 1: Report of Indigo — Data Link

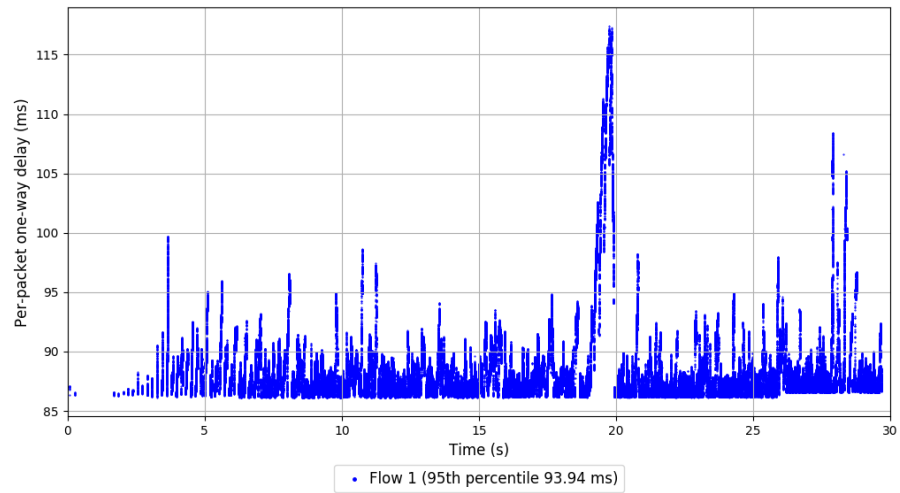
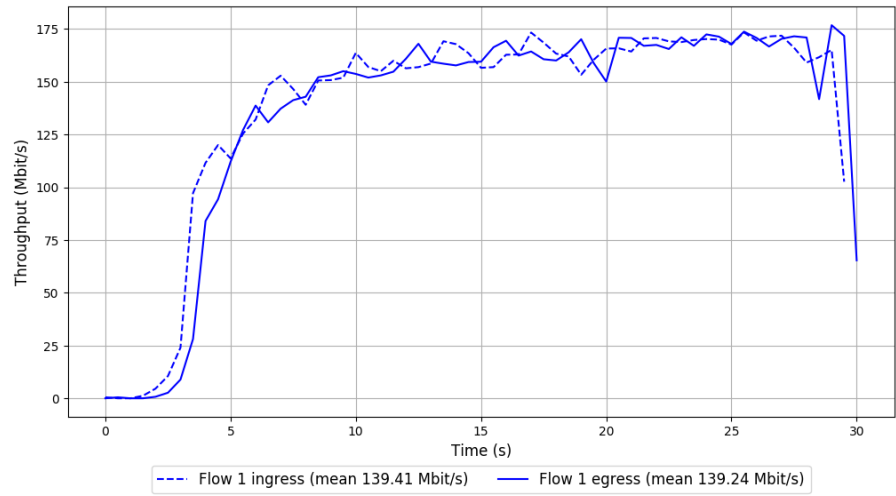


Run 2: Statistics of Indigo

Start at: 2018-07-24 20:39:22
End at: 2018-07-24 20:39:52
Local clock offset: 0.138 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-07-25 01:01:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 139.24 Mbit/s
95th percentile per-packet one-way delay: 93.942 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 139.24 Mbit/s
95th percentile per-packet one-way delay: 93.942 ms
Loss rate: 0.71%

Run 2: Report of Indigo — Data Link

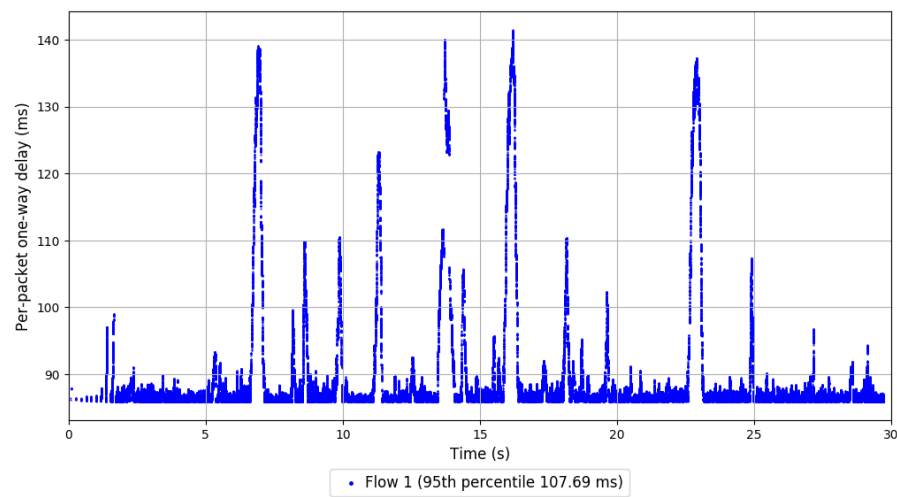
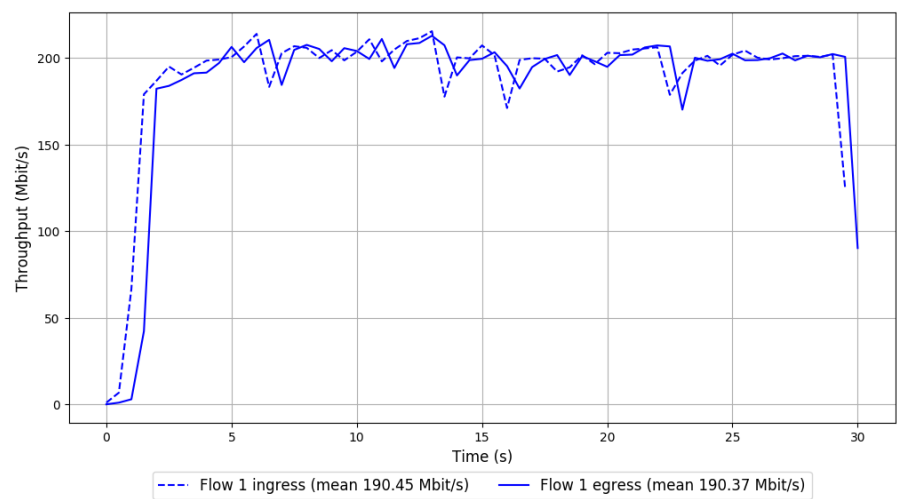


Run 3: Statistics of Indigo

Start at: 2018-07-24 21:01:09
End at: 2018-07-24 21:01:39
Local clock offset: -0.078 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-07-25 01:01:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 190.37 Mbit/s
95th percentile per-packet one-way delay: 107.689 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 190.37 Mbit/s
95th percentile per-packet one-way delay: 107.689 ms
Loss rate: 0.62%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-24 21:22:55

End at: 2018-07-24 21:23:25

Local clock offset: 0.048 ms

Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-07-25 01:01:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 199.73 Mbit/s

95th percentile per-packet one-way delay: 103.926 ms

Loss rate: 0.62%

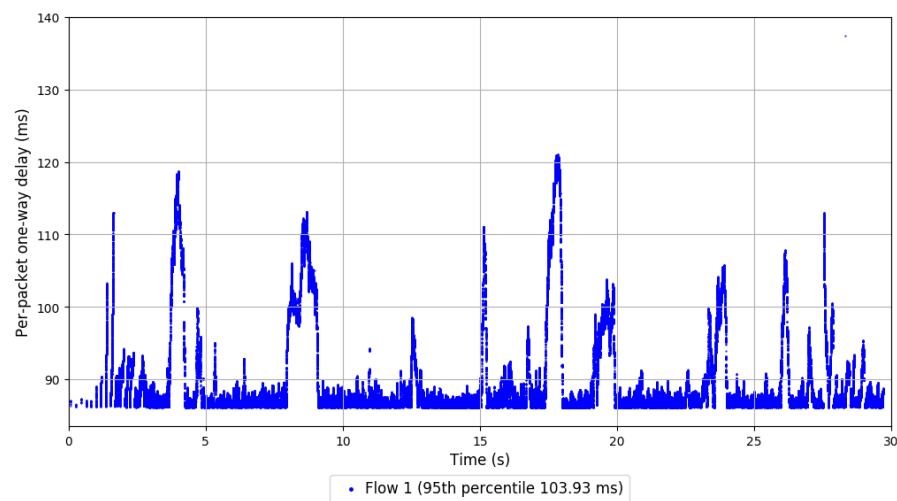
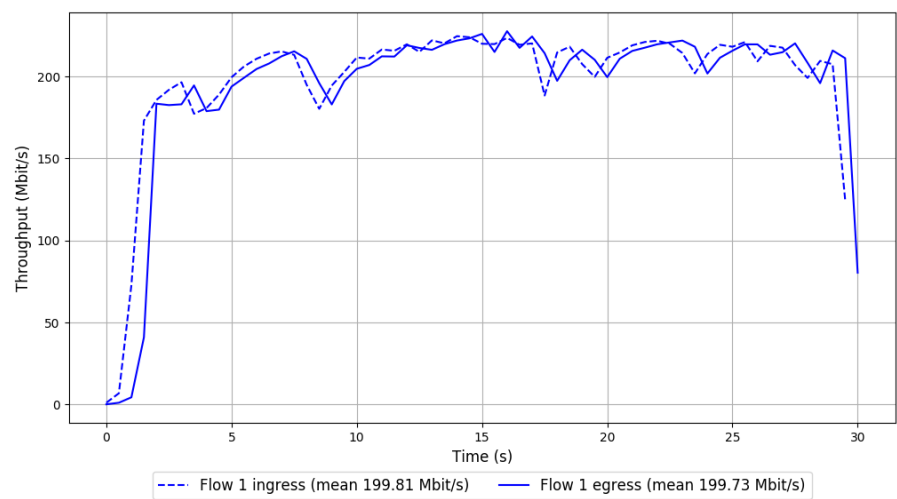
-- Flow 1:

Average throughput: 199.73 Mbit/s

95th percentile per-packet one-way delay: 103.926 ms

Loss rate: 0.62%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-24 21:44:43

End at: 2018-07-24 21:45:13

Local clock offset: -0.161 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-07-25 01:01:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 202.80 Mbit/s

95th percentile per-packet one-way delay: 100.774 ms

Loss rate: 0.63%

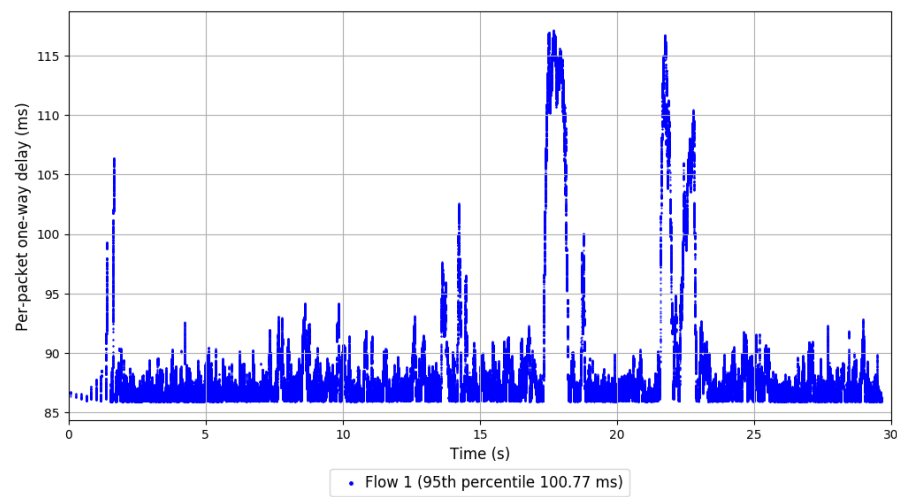
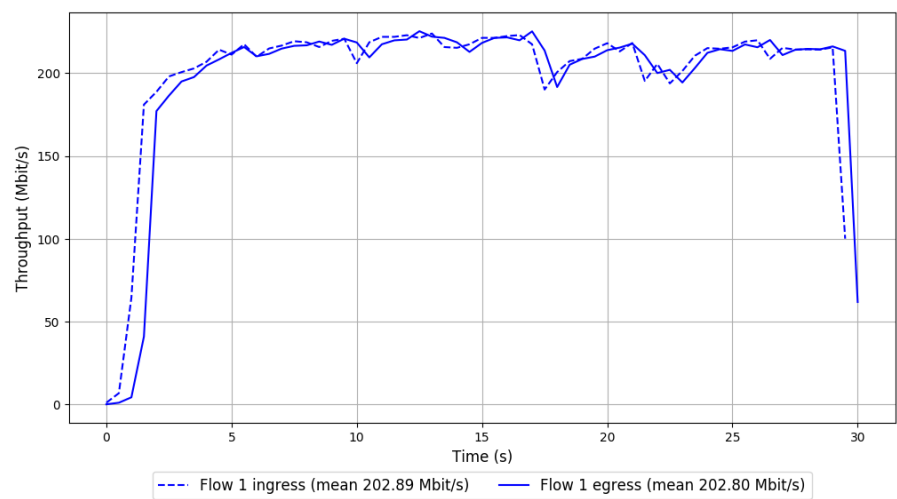
-- Flow 1:

Average throughput: 202.80 Mbit/s

95th percentile per-packet one-way delay: 100.774 ms

Loss rate: 0.63%

Run 5: Report of Indigo — Data Link

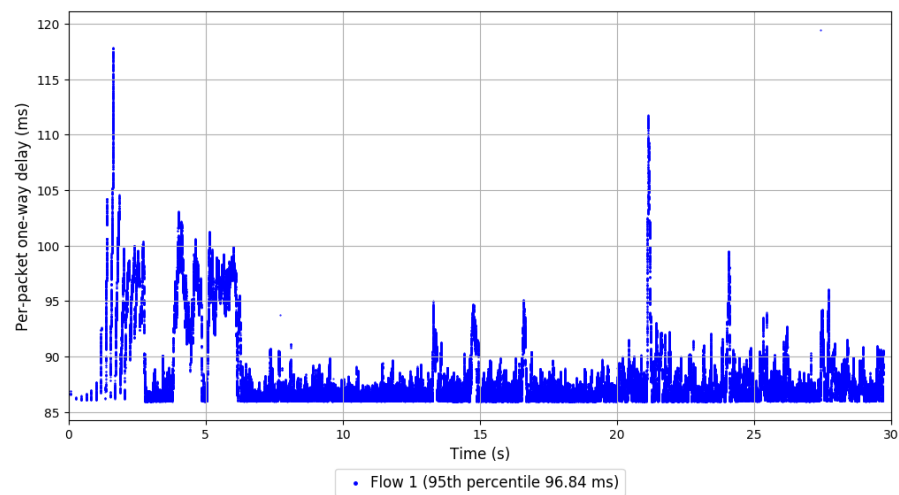
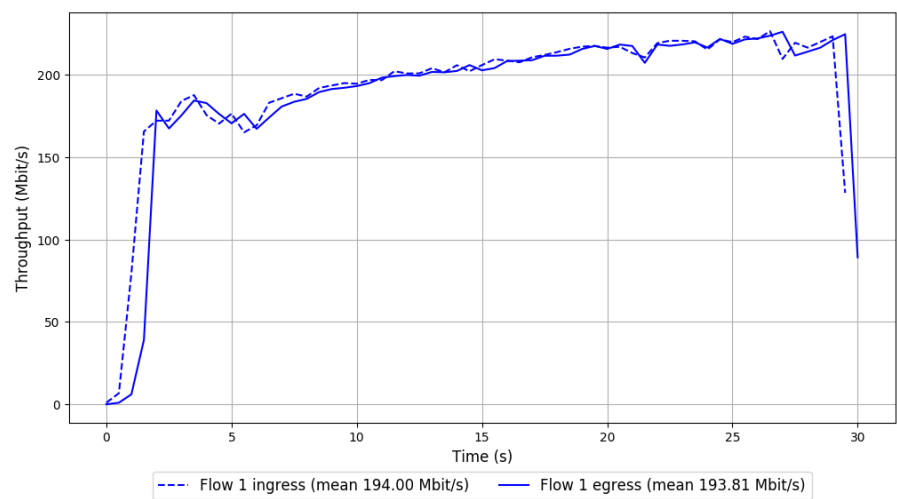


Run 6: Statistics of Indigo

Start at: 2018-07-24 22:06:14
End at: 2018-07-24 22:06:44
Local clock offset: -0.159 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-25 01:01:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 193.81 Mbit/s
95th percentile per-packet one-way delay: 96.839 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 193.81 Mbit/s
95th percentile per-packet one-way delay: 96.839 ms
Loss rate: 0.67%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-24 22:28:04

End at: 2018-07-24 22:28:34

Local clock offset: 0.013 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-07-25 01:01:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.74 Mbit/s

95th percentile per-packet one-way delay: 90.944 ms

Loss rate: 0.61%

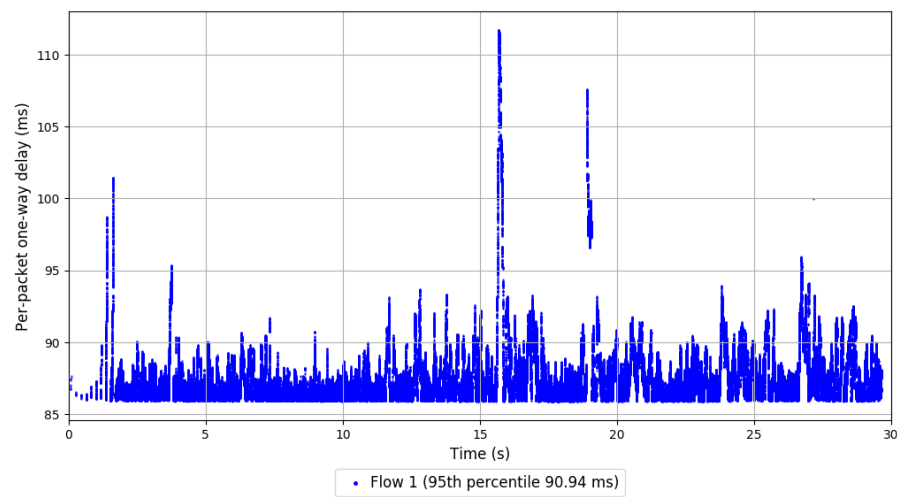
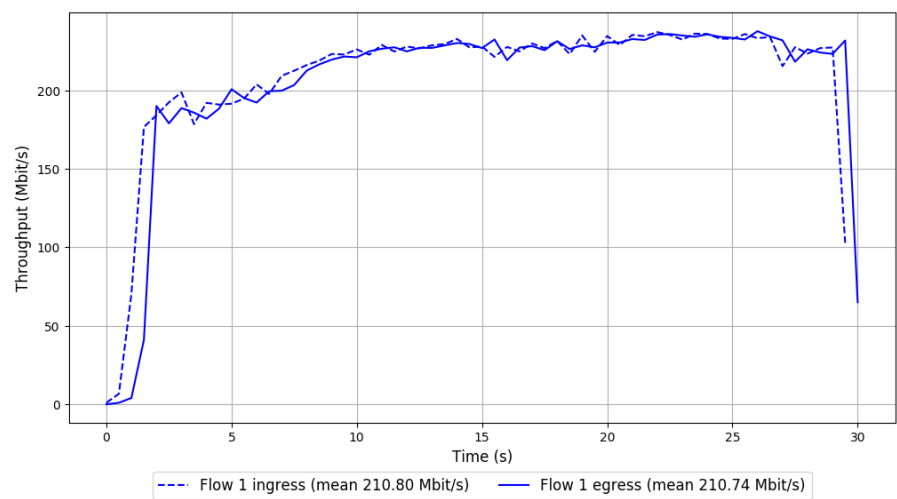
-- Flow 1:

Average throughput: 210.74 Mbit/s

95th percentile per-packet one-way delay: 90.944 ms

Loss rate: 0.61%

Run 7: Report of Indigo — Data Link

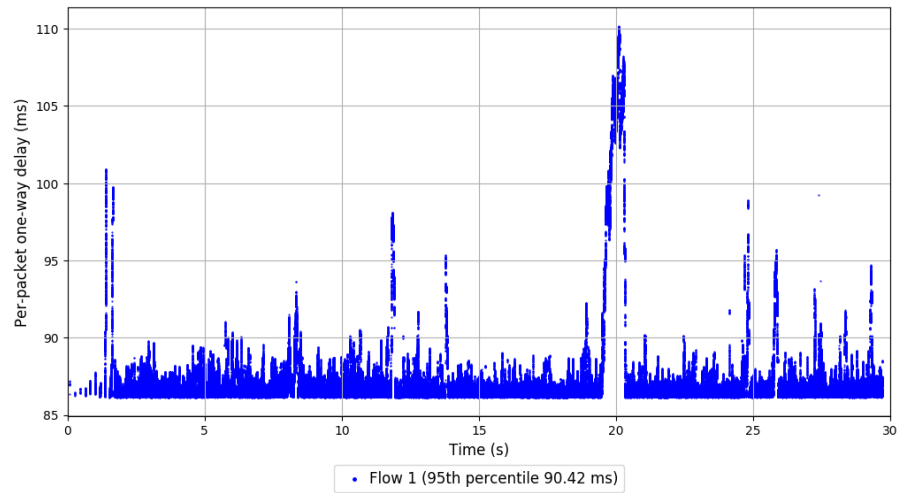
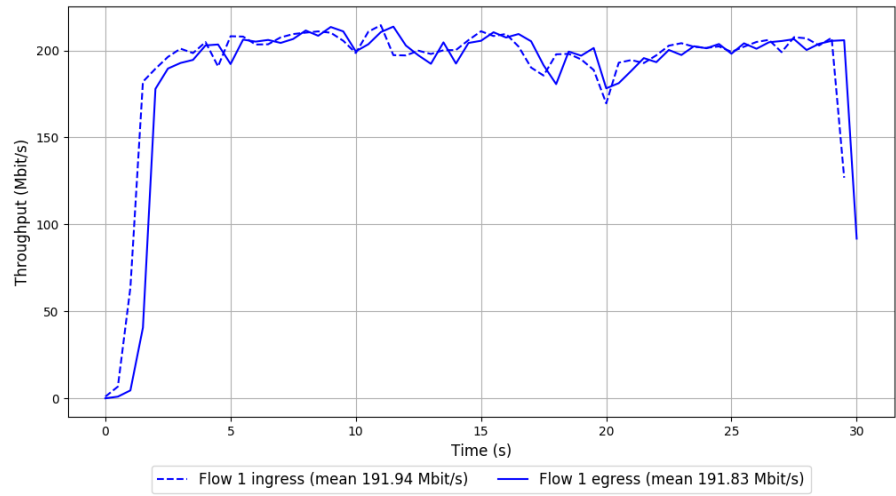


Run 8: Statistics of Indigo

Start at: 2018-07-24 22:49:52
End at: 2018-07-24 22:50:22
Local clock offset: 0.155 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-07-25 01:01:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 191.83 Mbit/s
95th percentile per-packet one-way delay: 90.421 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 191.83 Mbit/s
95th percentile per-packet one-way delay: 90.421 ms
Loss rate: 0.63%

Run 8: Report of Indigo — Data Link

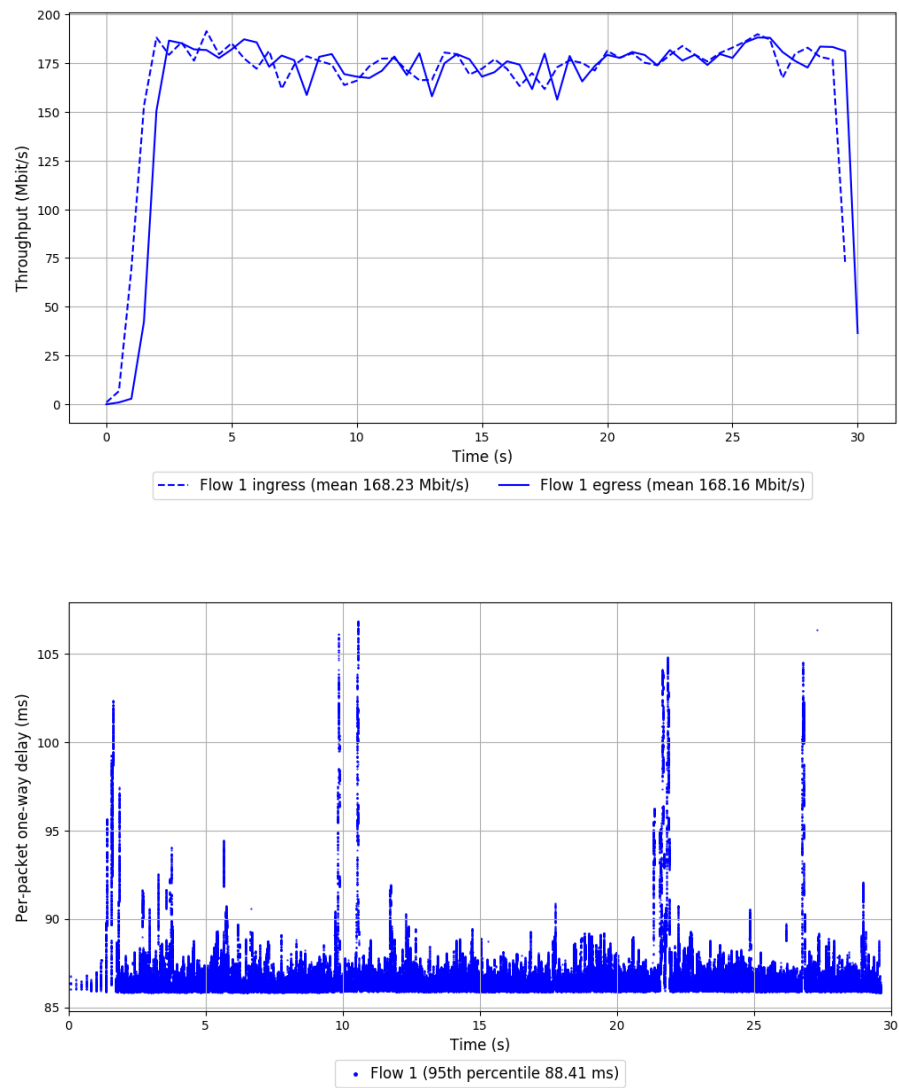


Run 9: Statistics of Indigo

Start at: 2018-07-24 23:11:49
End at: 2018-07-24 23:12:19
Local clock offset: -0.095 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-07-25 01:01:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 168.16 Mbit/s
95th percentile per-packet one-way delay: 88.406 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 168.16 Mbit/s
95th percentile per-packet one-way delay: 88.406 ms
Loss rate: 0.62%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-24 23:33:10

End at: 2018-07-24 23:33:40

Local clock offset: 0.149 ms

Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-07-25 01:01:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 182.05 Mbit/s

95th percentile per-packet one-way delay: 88.353 ms

Loss rate: 0.63%

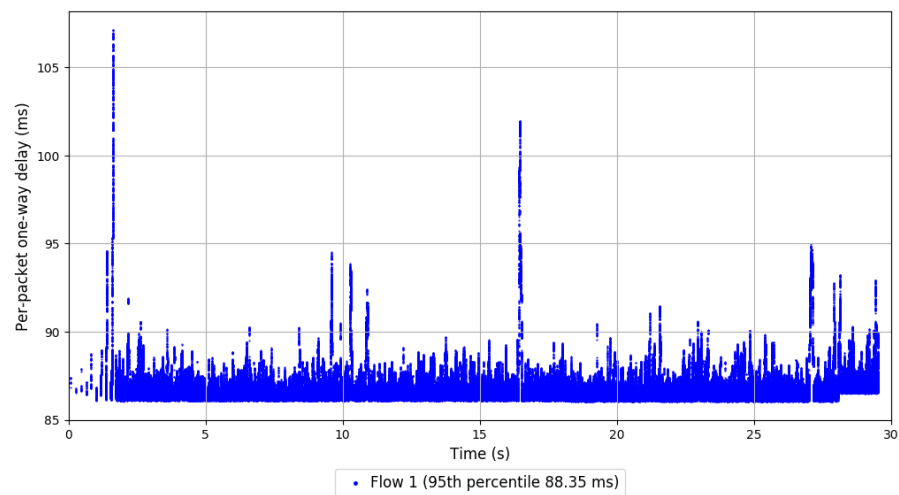
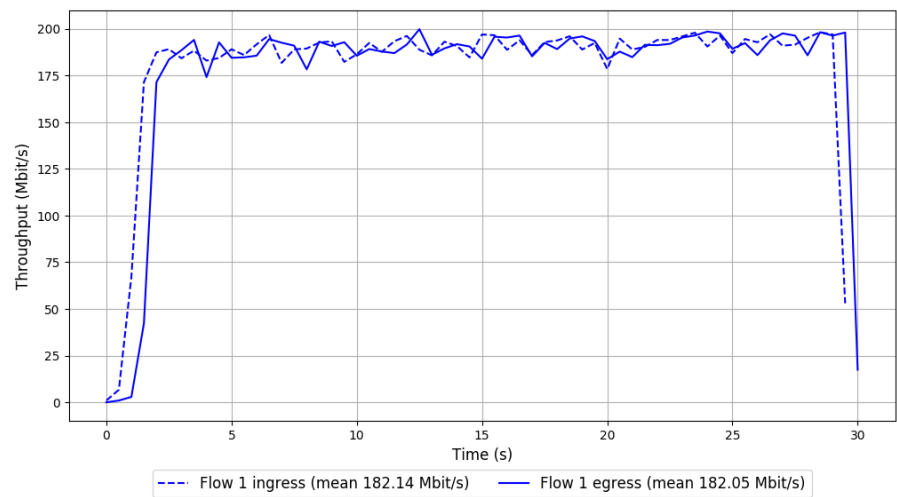
-- Flow 1:

Average throughput: 182.05 Mbit/s

95th percentile per-packet one-way delay: 88.353 ms

Loss rate: 0.63%

Run 10: Report of Indigo — Data Link

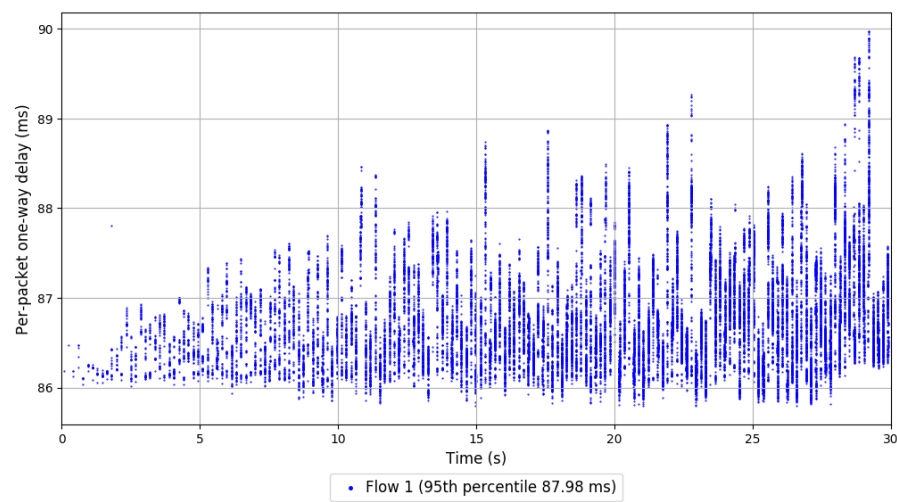
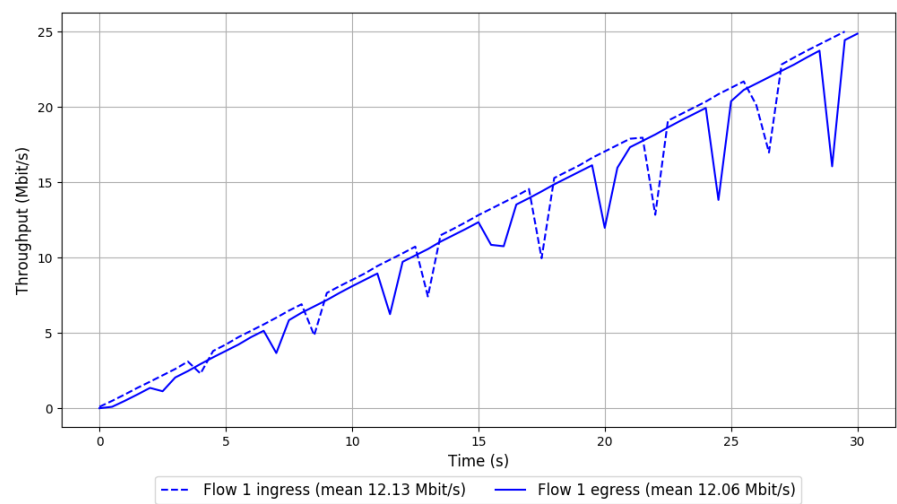


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-24 20:22:30
End at: 2018-07-24 20:23:00
Local clock offset: -0.189 ms
Remote clock offset: -0.275 ms

# Below is generated by plot.py at 2018-07-25 01:01:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.06 Mbit/s
95th percentile per-packet one-way delay: 87.981 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 12.06 Mbit/s
95th percentile per-packet one-way delay: 87.981 ms
Loss rate: 1.15%
```

Run 1: Report of LEDBAT — Data Link

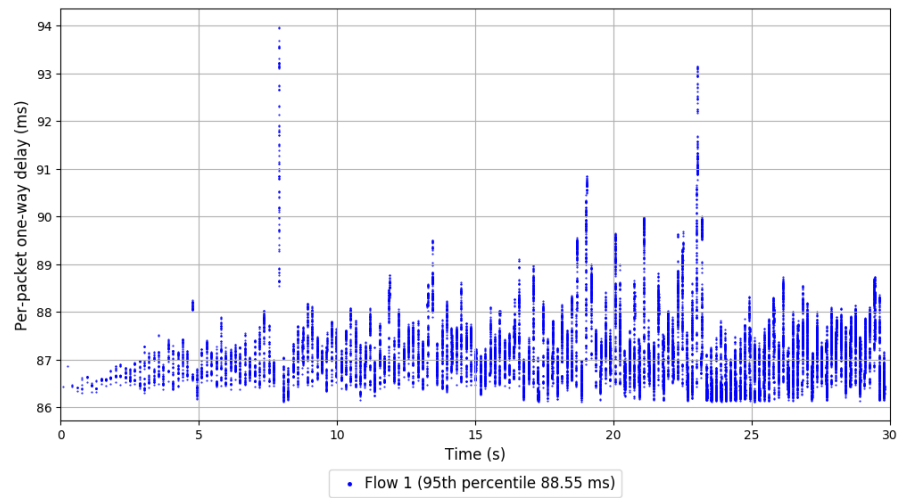
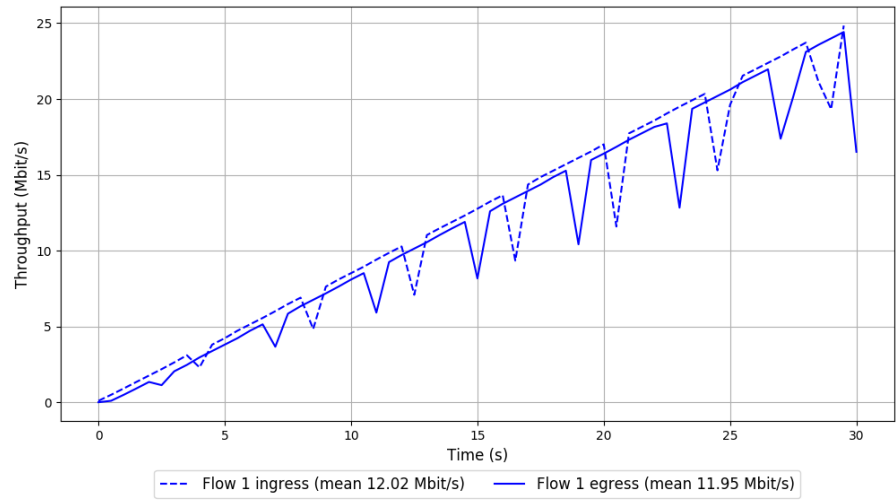


Run 2: Statistics of LEDBAT

Start at: 2018-07-24 20:43:23
End at: 2018-07-24 20:43:53
Local clock offset: 0.156 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-07-25 01:01:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.95 Mbit/s
95th percentile per-packet one-way delay: 88.546 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 11.95 Mbit/s
95th percentile per-packet one-way delay: 88.546 ms
Loss rate: 1.16%

Run 2: Report of LEDBAT — Data Link

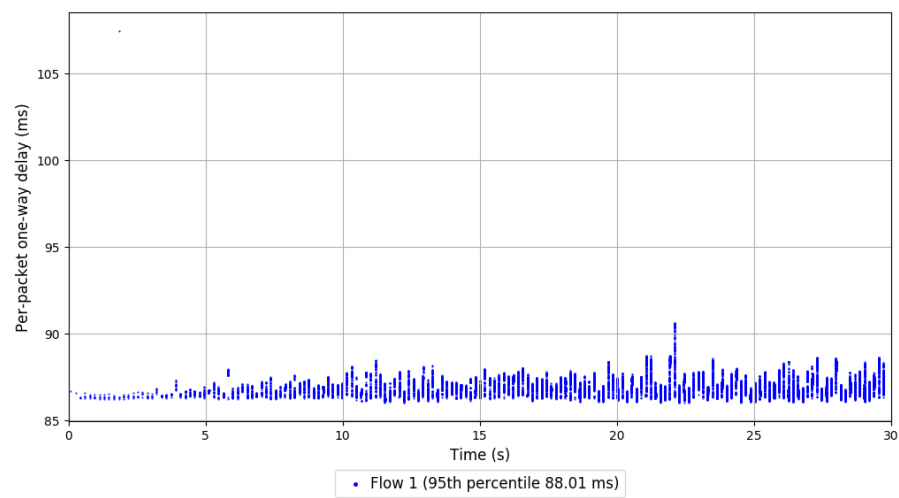
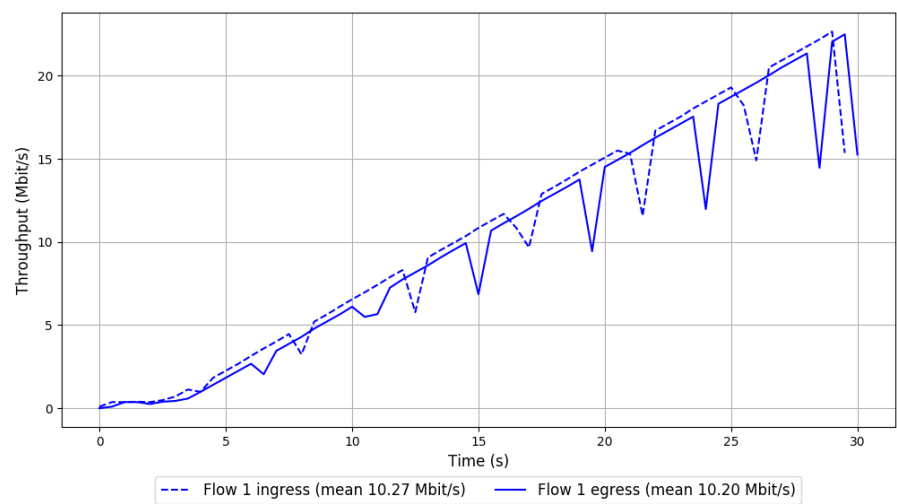


Run 3: Statistics of LEDBAT

Start at: 2018-07-24 21:05:14
End at: 2018-07-24 21:05:44
Local clock offset: -0.002 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-07-25 01:01:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.20 Mbit/s
95th percentile per-packet one-way delay: 88.014 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 10.20 Mbit/s
95th percentile per-packet one-way delay: 88.014 ms
Loss rate: 1.26%

Run 3: Report of LEDBAT — Data Link

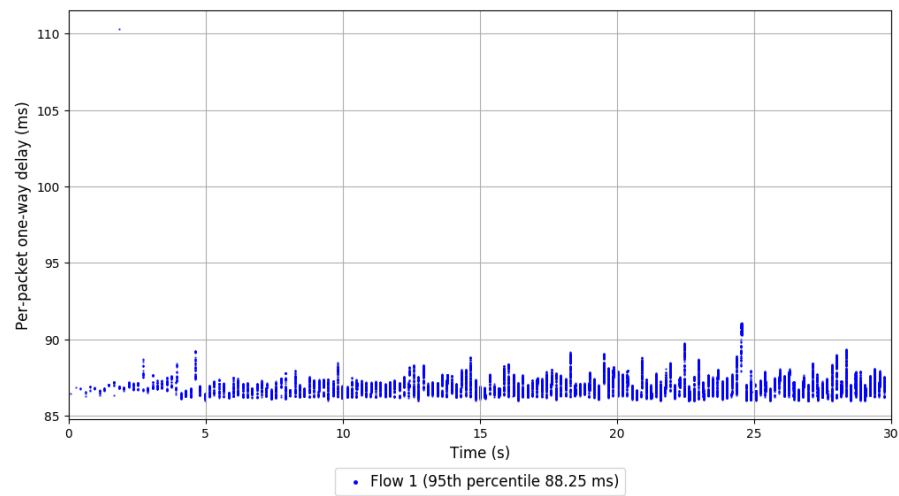
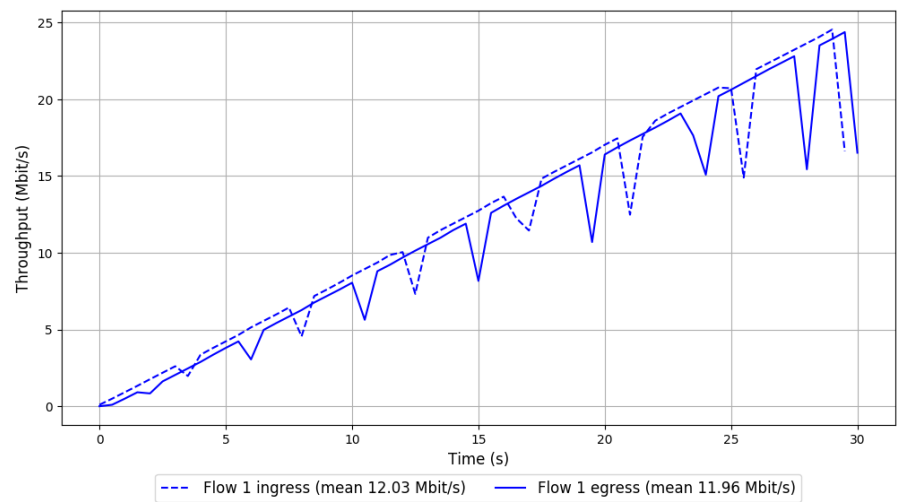


Run 4: Statistics of LEDBAT

Start at: 2018-07-24 21:26:54
End at: 2018-07-24 21:27:24
Local clock offset: -0.126 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-07-25 01:01:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.96 Mbit/s
95th percentile per-packet one-way delay: 88.247 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 11.96 Mbit/s
95th percentile per-packet one-way delay: 88.247 ms
Loss rate: 1.16%

Run 4: Report of LEDBAT — Data Link

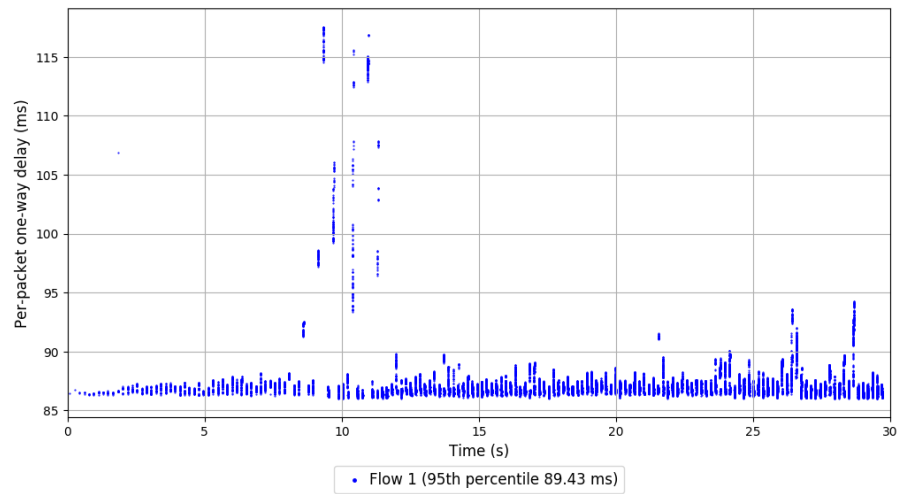
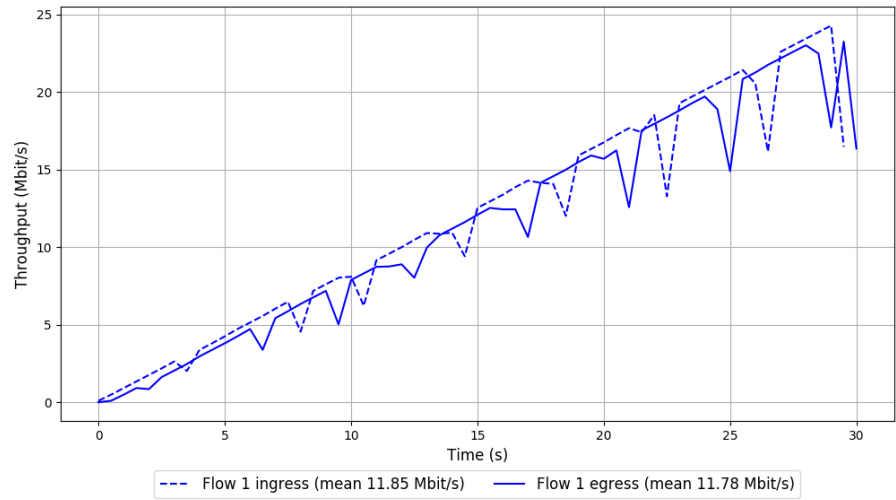


Run 5: Statistics of LEDBAT

Start at: 2018-07-24 21:48:44
End at: 2018-07-24 21:49:14
Local clock offset: -0.164 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-25 01:01:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.78 Mbit/s
95th percentile per-packet one-way delay: 89.434 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 11.78 Mbit/s
95th percentile per-packet one-way delay: 89.434 ms
Loss rate: 1.17%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-24 22:10:14

End at: 2018-07-24 22:10:44

Local clock offset: -0.079 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-07-25 01:01:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.87 Mbit/s

95th percentile per-packet one-way delay: 88.186 ms

Loss rate: 1.27%

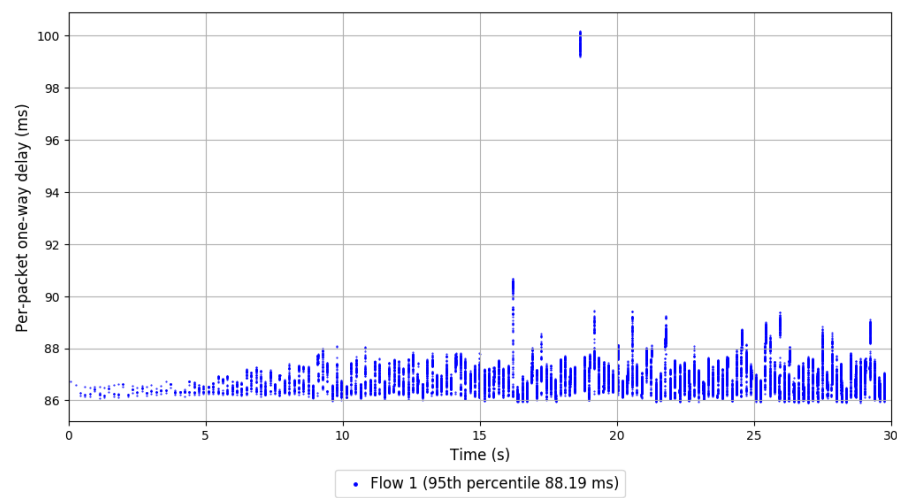
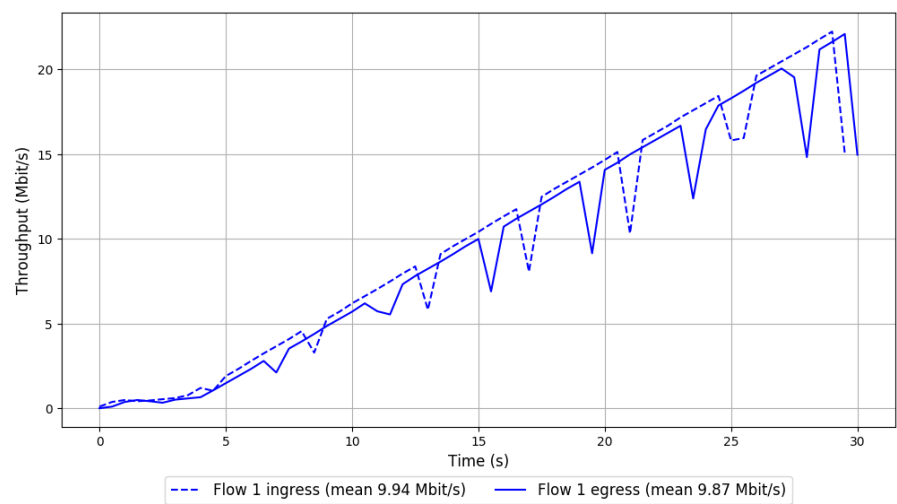
-- Flow 1:

Average throughput: 9.87 Mbit/s

95th percentile per-packet one-way delay: 88.186 ms

Loss rate: 1.27%

Run 6: Report of LEDBAT — Data Link

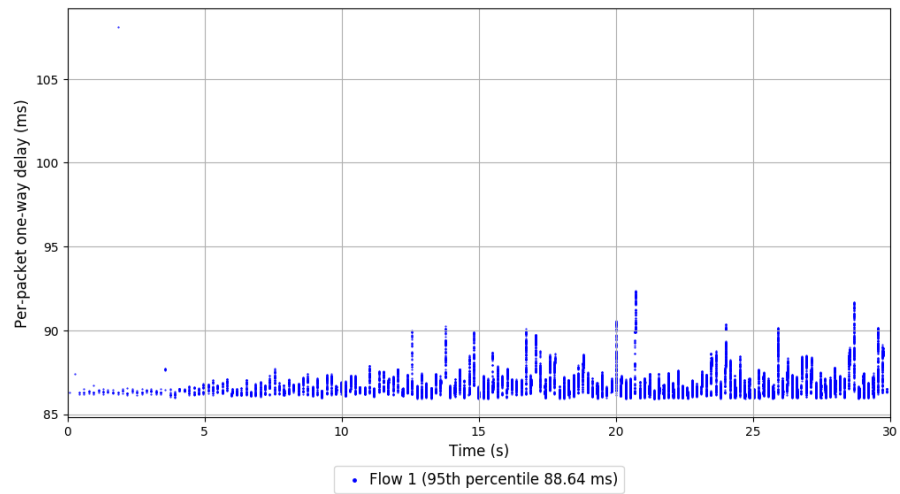
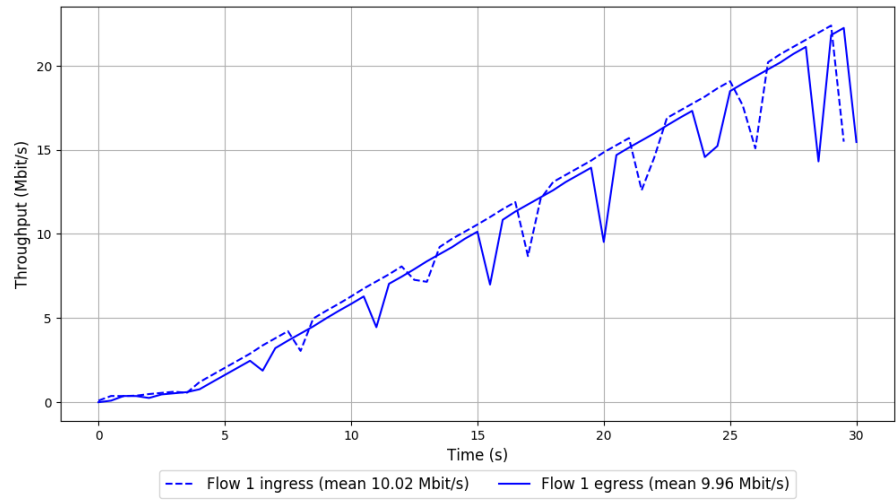


```
Run 7: Statistics of LEDBAT

Start at: 2018-07-24 22:32:08
End at: 2018-07-24 22:32:38
Local clock offset: 0.012 ms
Remote clock offset: -0.0 ms

# Below is generated by plot.py at 2018-07-25 01:01:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.96 Mbit/s
95th percentile per-packet one-way delay: 88.643 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 9.96 Mbit/s
95th percentile per-packet one-way delay: 88.643 ms
Loss rate: 1.25%
```

Run 7: Report of LEDBAT — Data Link

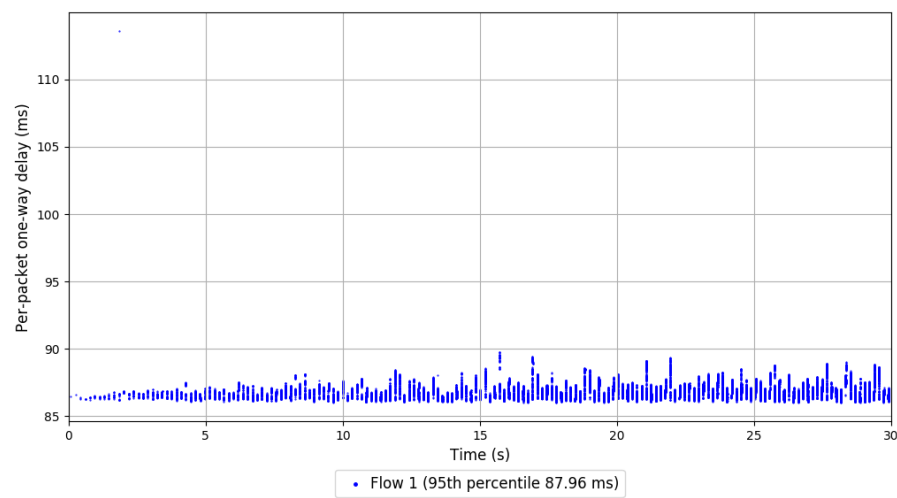
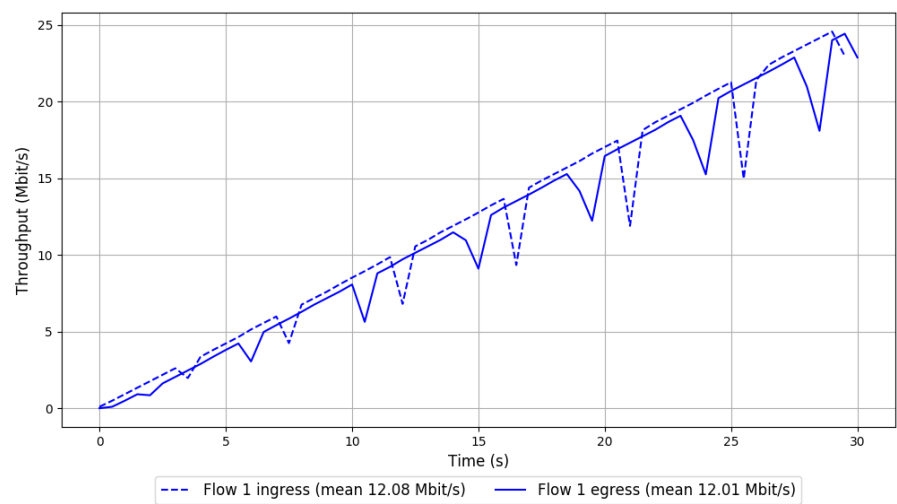


Run 8: Statistics of LEDBAT

Start at: 2018-07-24 22:53:52
End at: 2018-07-24 22:54:22
Local clock offset: 0.006 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-25 01:01:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.01 Mbit/s
95th percentile per-packet one-way delay: 87.956 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 12.01 Mbit/s
95th percentile per-packet one-way delay: 87.956 ms
Loss rate: 1.15%

Run 8: Report of LEDBAT — Data Link

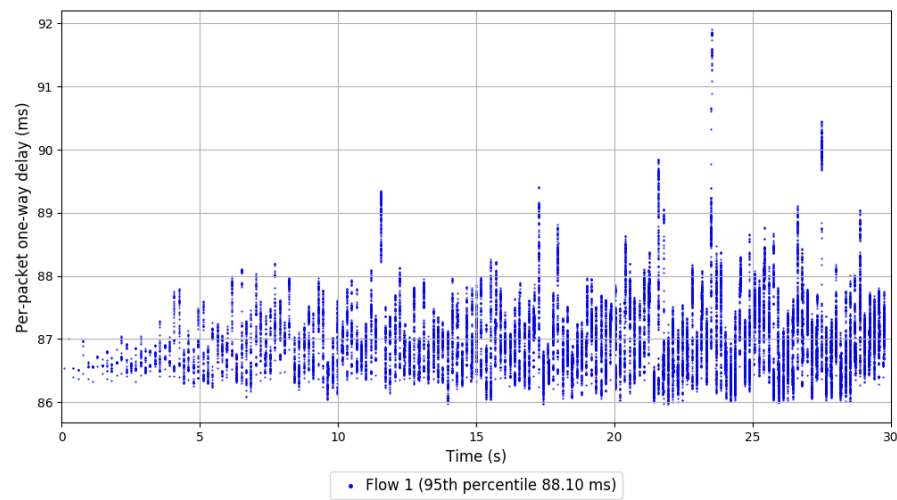
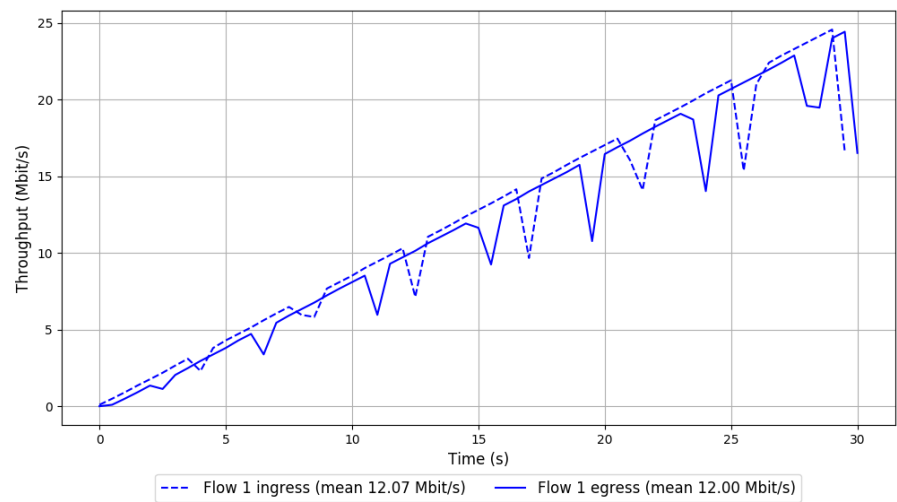


Run 9: Statistics of LEDBAT

Start at: 2018-07-24 23:15:54
End at: 2018-07-24 23:16:24
Local clock offset: 0.037 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-07-25 01:01:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 88.103 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 88.103 ms
Loss rate: 1.16%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-24 23:37:16

End at: 2018-07-24 23:37:46

Local clock offset: 0.063 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-07-25 01:01:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.55 Mbit/s

95th percentile per-packet one-way delay: 88.125 ms

Loss rate: 1.18%

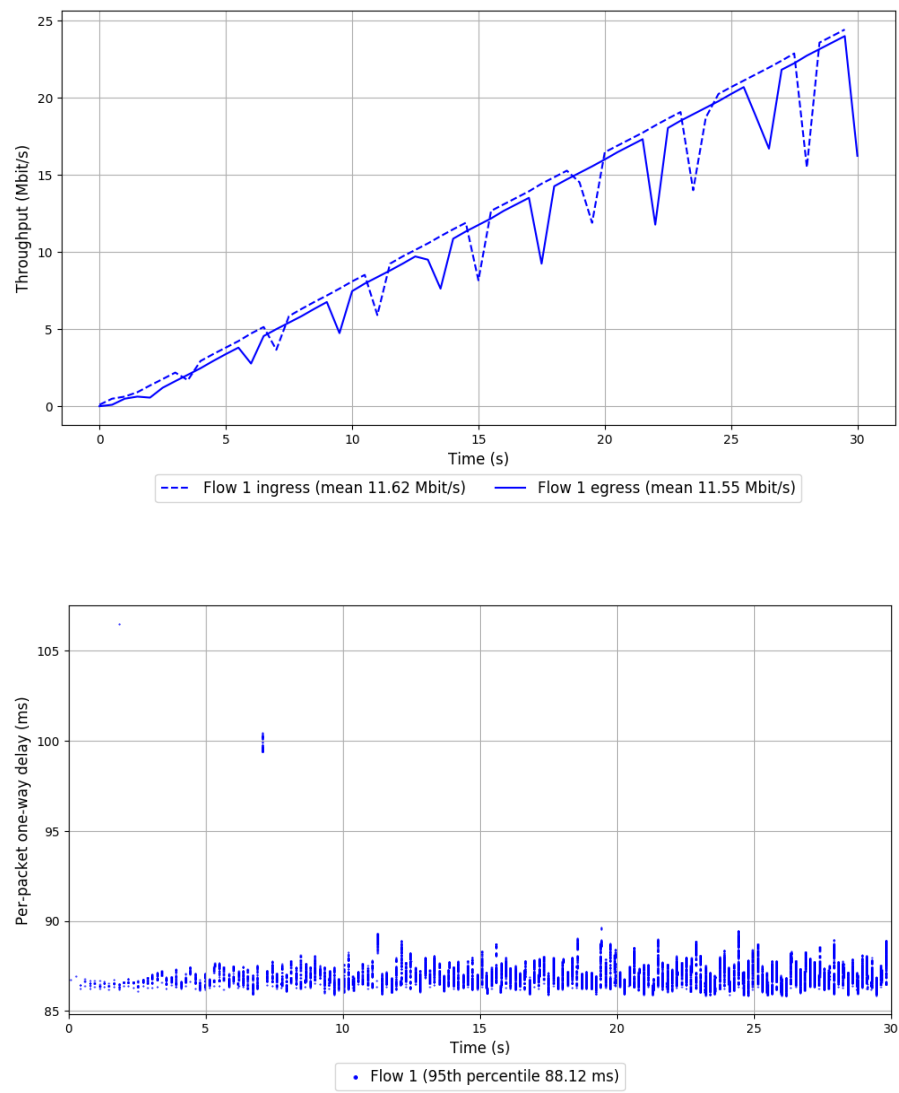
-- Flow 1:

Average throughput: 11.55 Mbit/s

95th percentile per-packet one-way delay: 88.125 ms

Loss rate: 1.18%

Run 10: Report of LEDBAT — Data Link

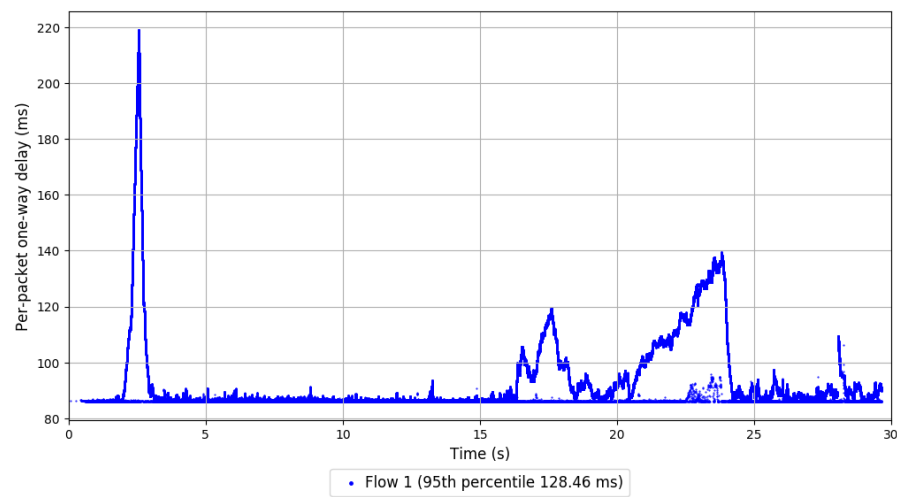
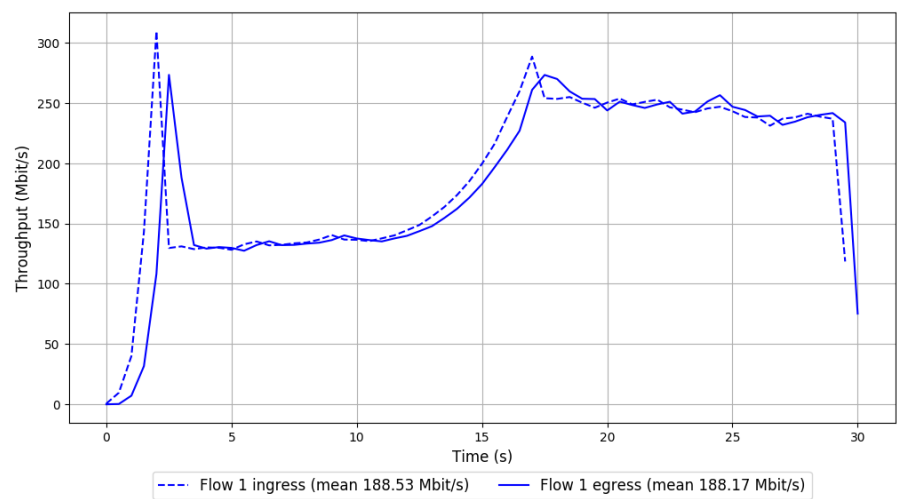


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-24 20:25:55
End at: 2018-07-24 20:26:25
Local clock offset: 0.096 ms
Remote clock offset: -0.087 ms

# Below is generated by plot.py at 2018-07-25 01:01:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 188.17 Mbit/s
95th percentile per-packet one-way delay: 128.458 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 188.17 Mbit/s
95th percentile per-packet one-way delay: 128.458 ms
Loss rate: 0.77%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-24 20:46:55

End at: 2018-07-24 20:47:25

Local clock offset: 0.085 ms

Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-07-25 01:01:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 247.82 Mbit/s

95th percentile per-packet one-way delay: 129.226 ms

Loss rate: 1.15%

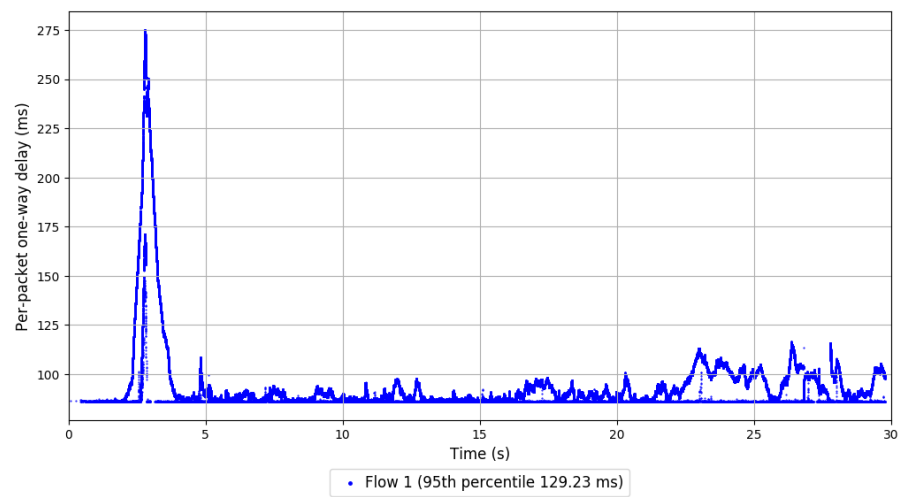
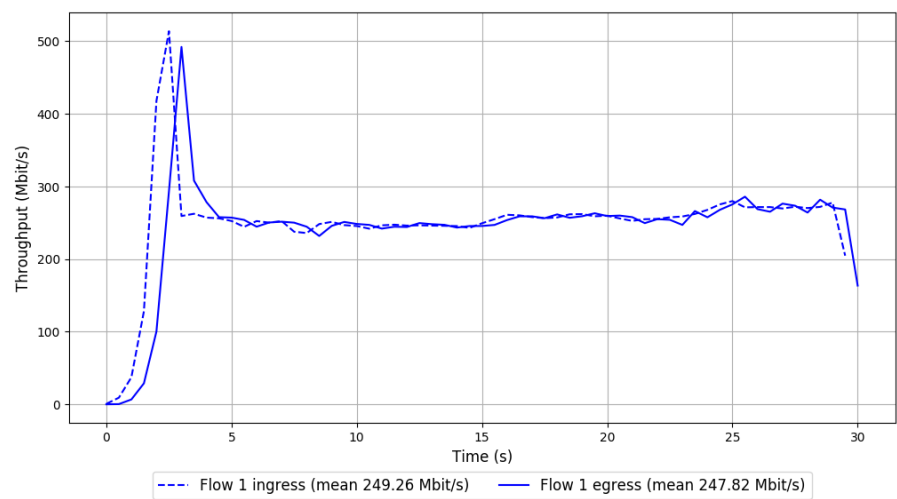
-- Flow 1:

Average throughput: 247.82 Mbit/s

95th percentile per-packet one-way delay: 129.226 ms

Loss rate: 1.15%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-24 21:08:48

End at: 2018-07-24 21:09:18

Local clock offset: -0.198 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-07-25 01:01:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 244.58 Mbit/s

95th percentile per-packet one-way delay: 138.867 ms

Loss rate: 1.20%

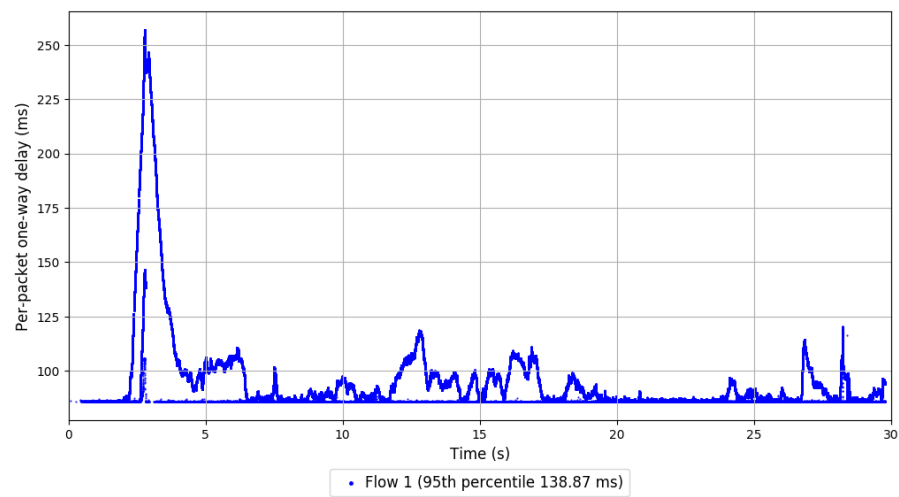
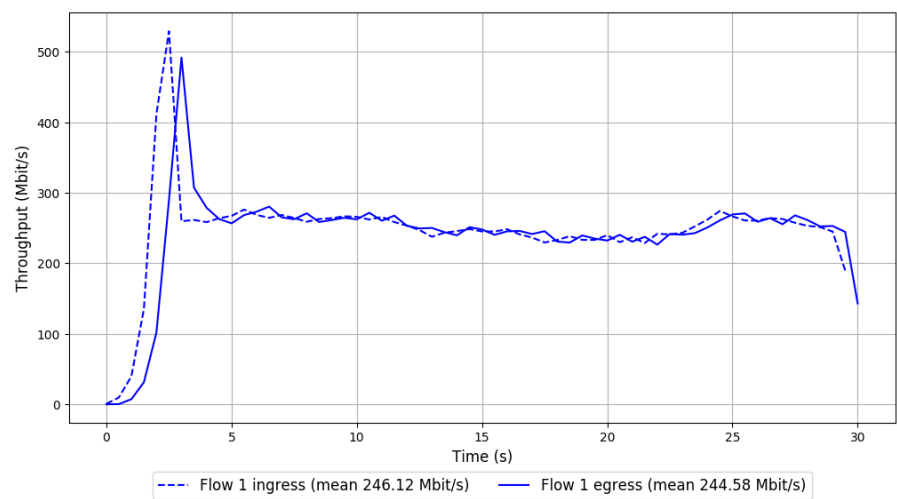
-- Flow 1:

Average throughput: 244.58 Mbit/s

95th percentile per-packet one-way delay: 138.867 ms

Loss rate: 1.20%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-24 21:30:29

End at: 2018-07-24 21:30:59

Local clock offset: -0.01 ms

Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-07-25 01:01:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 261.47 Mbit/s

95th percentile per-packet one-way delay: 128.118 ms

Loss rate: 1.07%

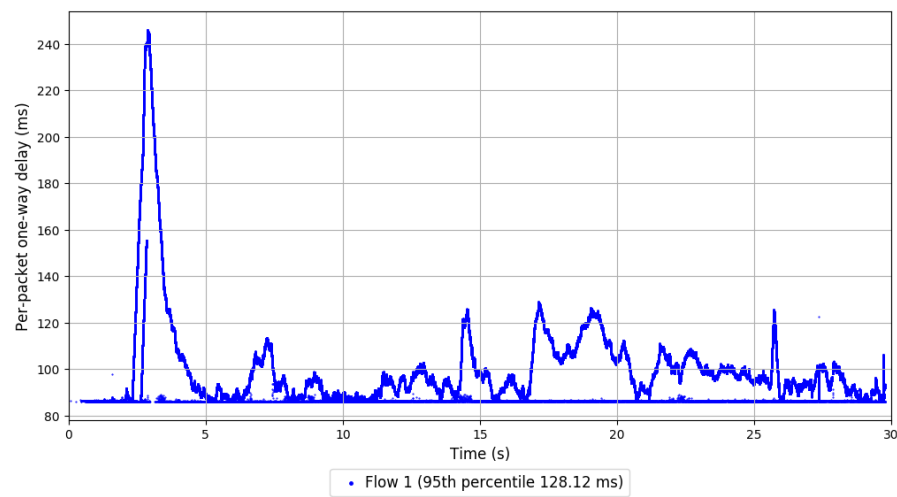
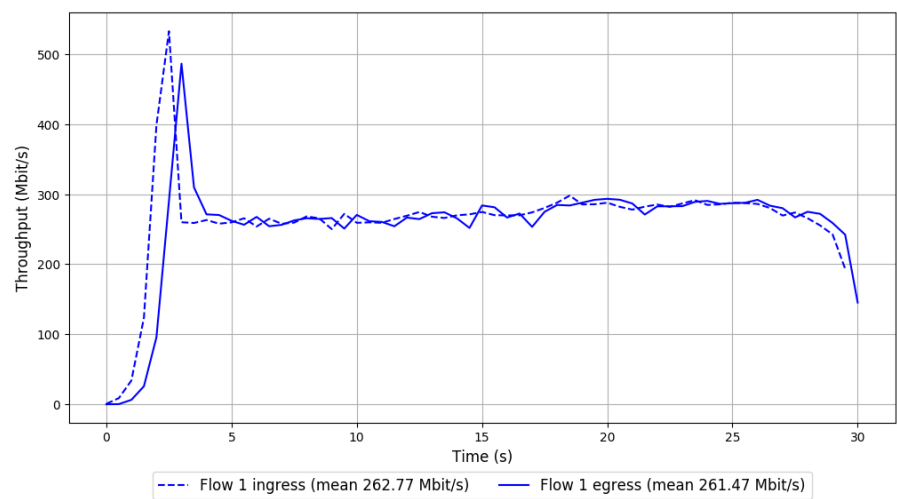
-- Flow 1:

Average throughput: 261.47 Mbit/s

95th percentile per-packet one-way delay: 128.118 ms

Loss rate: 1.07%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-24 21:52:15

End at: 2018-07-24 21:52:45

Local clock offset: -0.134 ms

Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-25 01:01:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.01 Mbit/s

95th percentile per-packet one-way delay: 178.543 ms

Loss rate: 0.83%

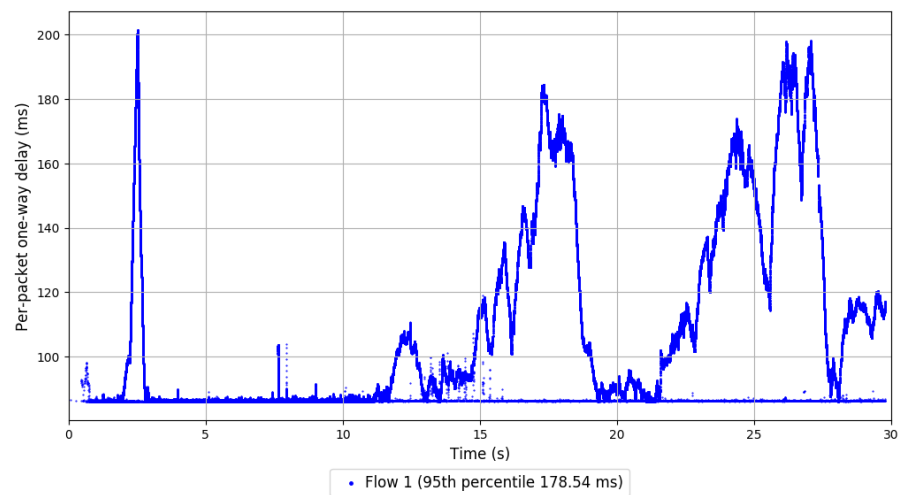
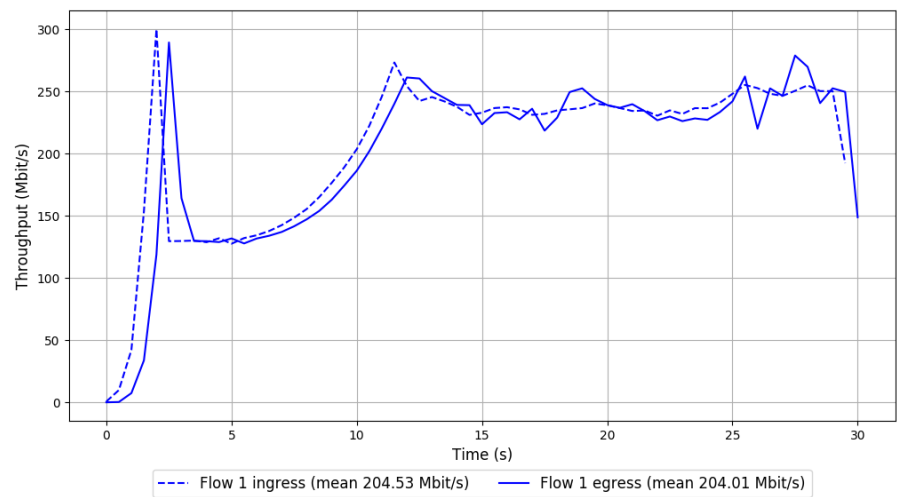
-- Flow 1:

Average throughput: 204.01 Mbit/s

95th percentile per-packet one-way delay: 178.543 ms

Loss rate: 0.83%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-24 22:13:44

End at: 2018-07-24 22:14:14

Local clock offset: 0.012 ms

Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-25 01:01:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 234.43 Mbit/s

95th percentile per-packet one-way delay: 172.005 ms

Loss rate: 1.16%

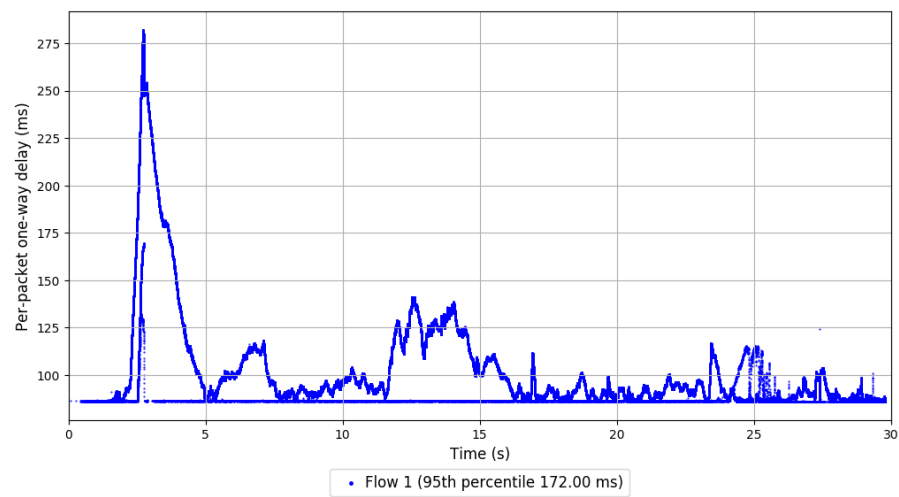
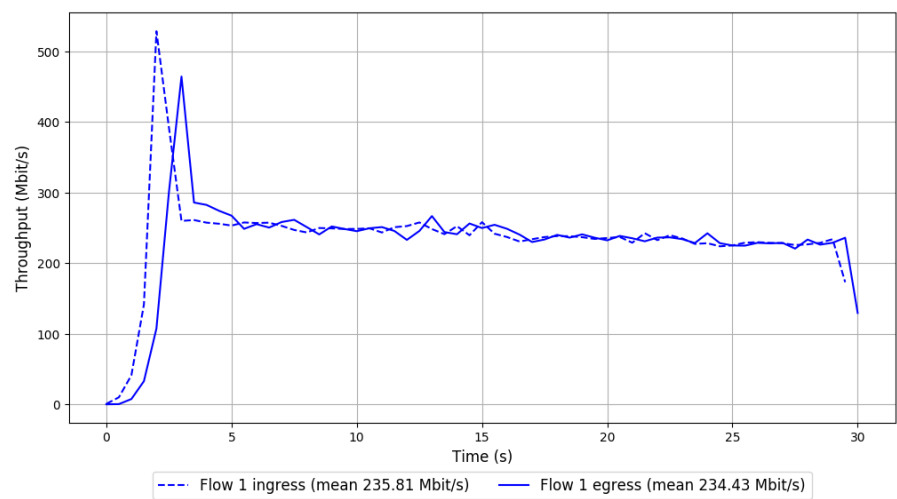
-- Flow 1:

Average throughput: 234.43 Mbit/s

95th percentile per-packet one-way delay: 172.005 ms

Loss rate: 1.16%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-24 22:35:40

End at: 2018-07-24 22:36:10

Local clock offset: -0.132 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-07-25 01:03:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 247.77 Mbit/s

95th percentile per-packet one-way delay: 160.003 ms

Loss rate: 1.11%

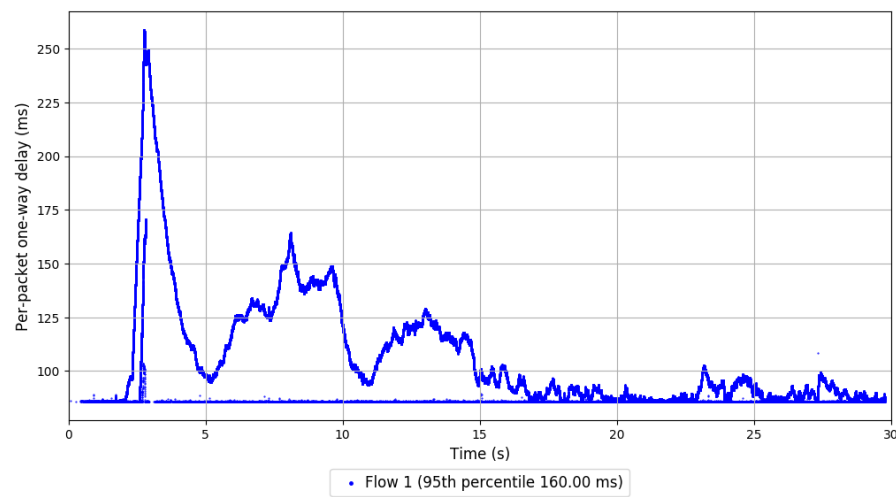
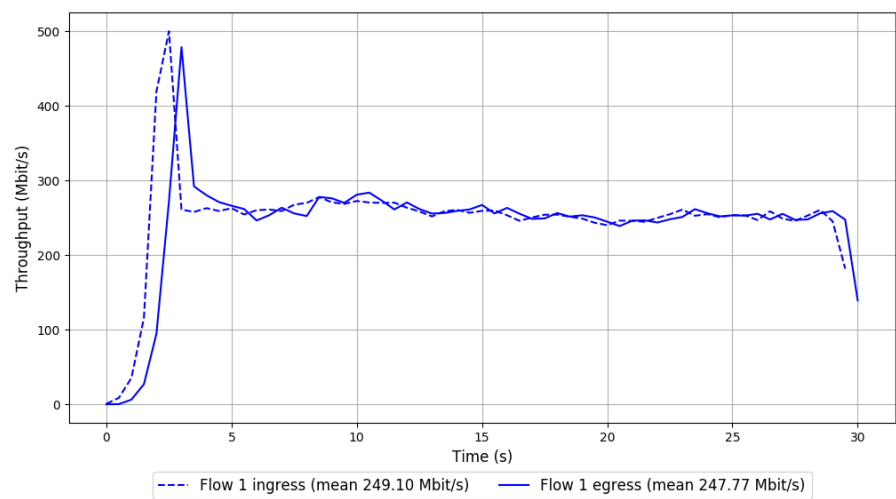
-- Flow 1:

Average throughput: 247.77 Mbit/s

95th percentile per-packet one-way delay: 160.003 ms

Loss rate: 1.11%

Run 7: Report of PCC-Allegro — Data Link

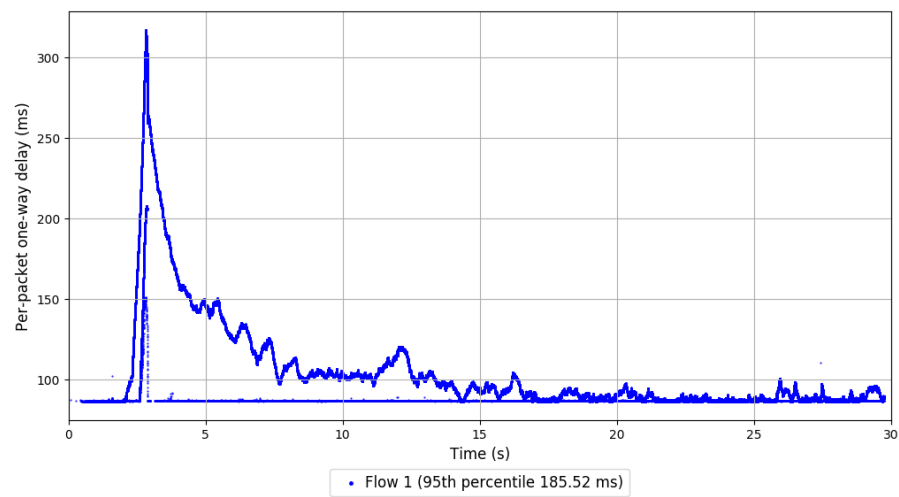
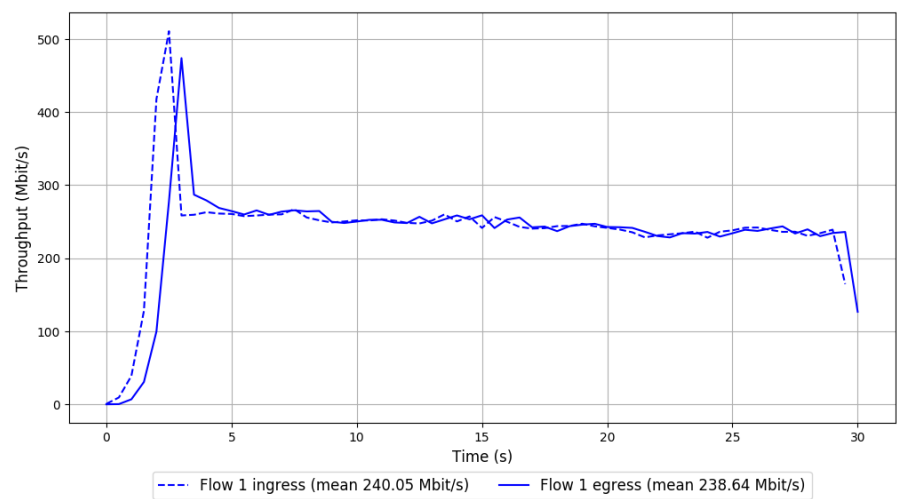


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-24 22:57:31
End at: 2018-07-24 22:58:01
Local clock offset: 0.146 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-07-25 01:04:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 238.64 Mbit/s
95th percentile per-packet one-way delay: 185.516 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 238.64 Mbit/s
95th percentile per-packet one-way delay: 185.516 ms
Loss rate: 1.17%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-24 23:19:30

End at: 2018-07-24 23:20:00

Local clock offset: 0.018 ms

Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-07-25 01:04:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 198.86 Mbit/s

95th percentile per-packet one-way delay: 117.439 ms

Loss rate: 0.77%

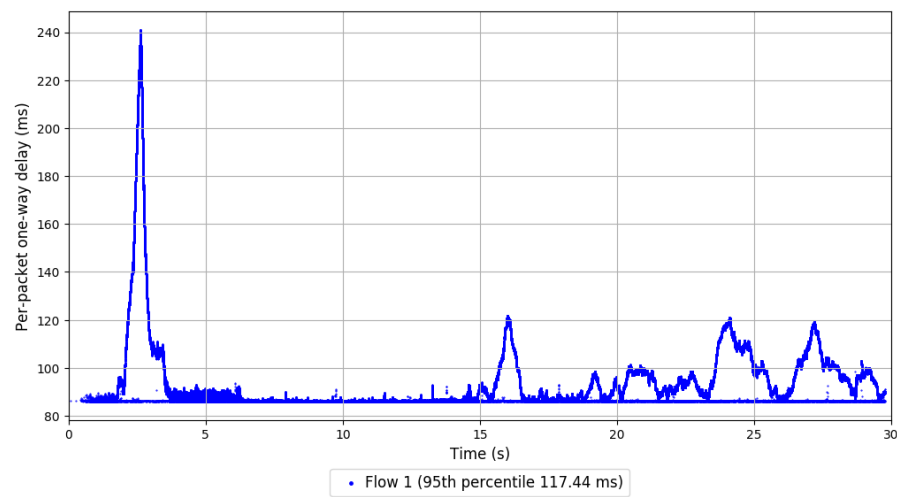
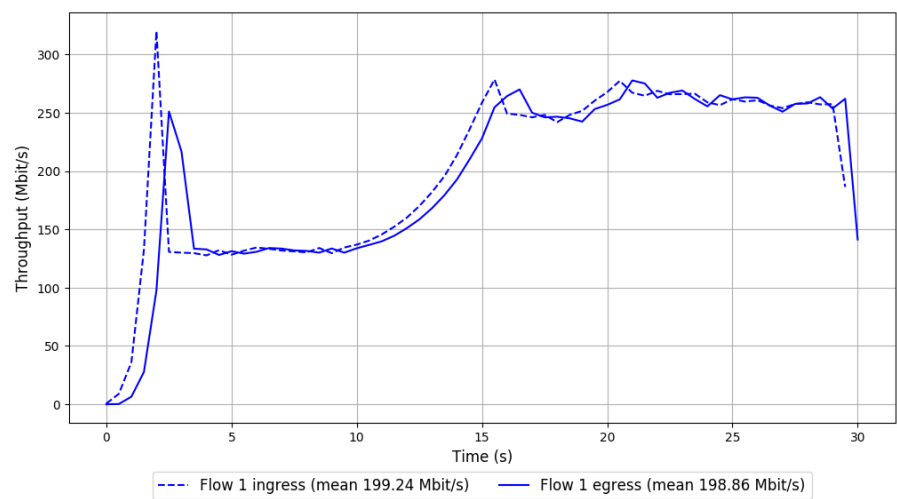
-- Flow 1:

Average throughput: 198.86 Mbit/s

95th percentile per-packet one-way delay: 117.439 ms

Loss rate: 0.77%

Run 9: Report of PCC-Allegro — Data Link

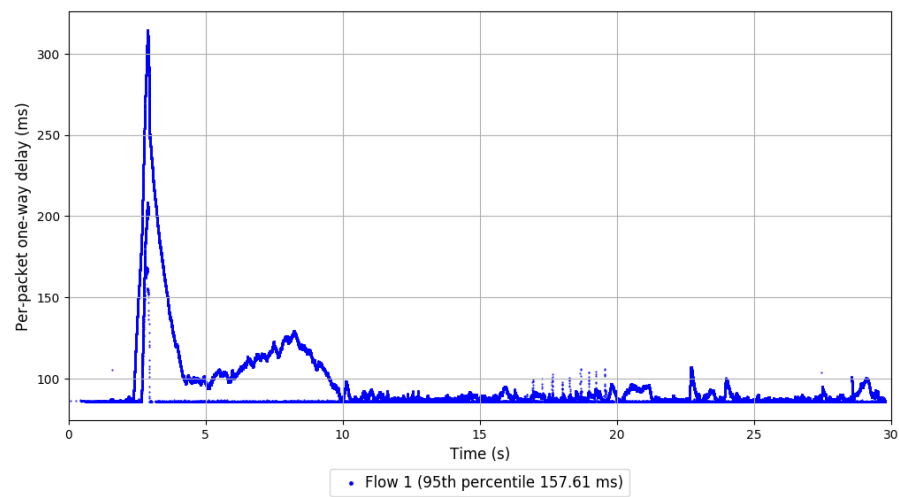
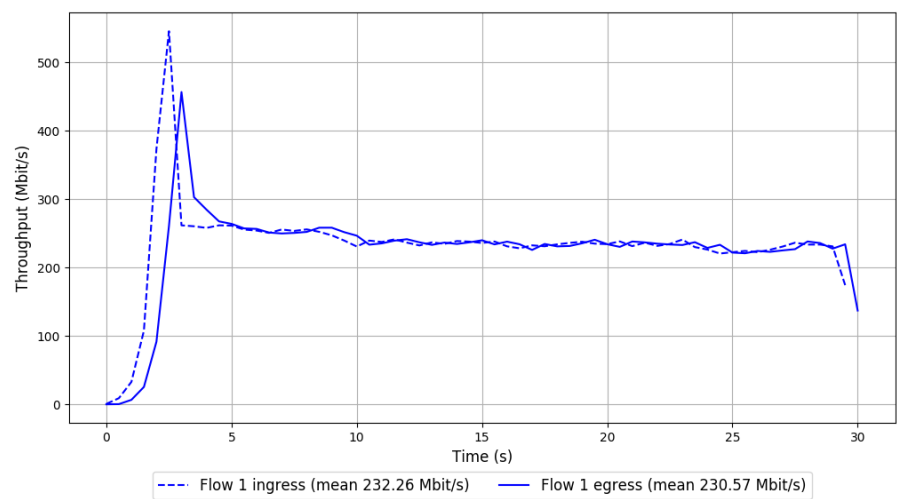


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-24 23:40:49
End at: 2018-07-24 23:41:19
Local clock offset: 0.151 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-25 01:05:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 230.57 Mbit/s
95th percentile per-packet one-way delay: 157.609 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 230.57 Mbit/s
95th percentile per-packet one-way delay: 157.609 ms
Loss rate: 1.30%

Run 10: Report of PCC-Allegro — Data Link

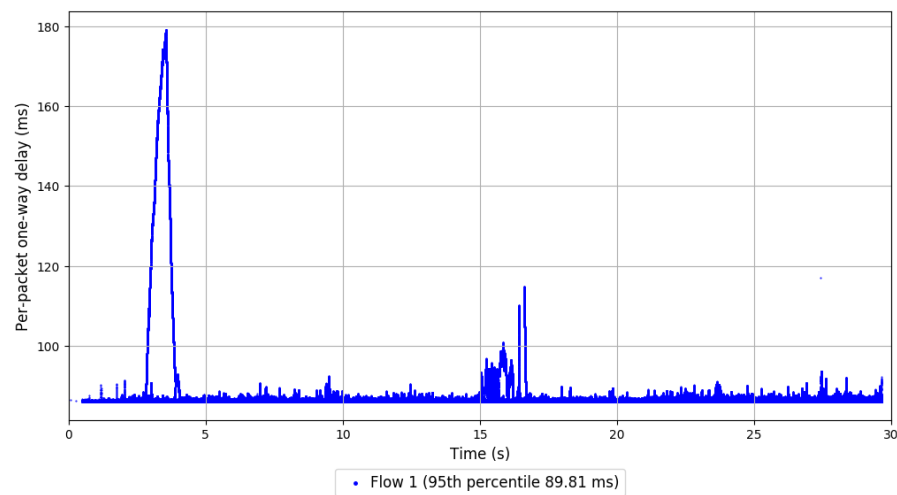
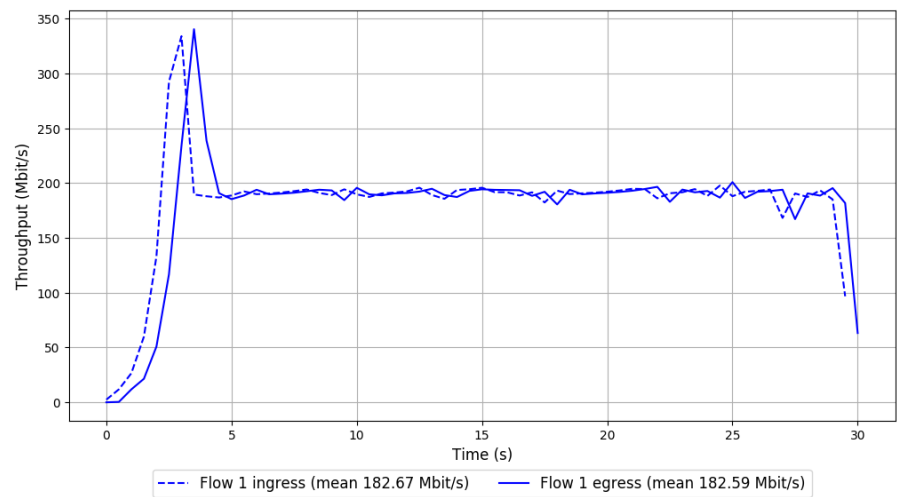


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-24 20:21:06
End at: 2018-07-24 20:21:36
Local clock offset: 0.139 ms
Remote clock offset: -0.215 ms

# Below is generated by plot.py at 2018-07-25 01:08:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 182.59 Mbit/s
95th percentile per-packet one-way delay: 89.813 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 182.59 Mbit/s
95th percentile per-packet one-way delay: 89.813 ms
Loss rate: 0.63%
```

Run 1: Report of PCC-Expr — Data Link

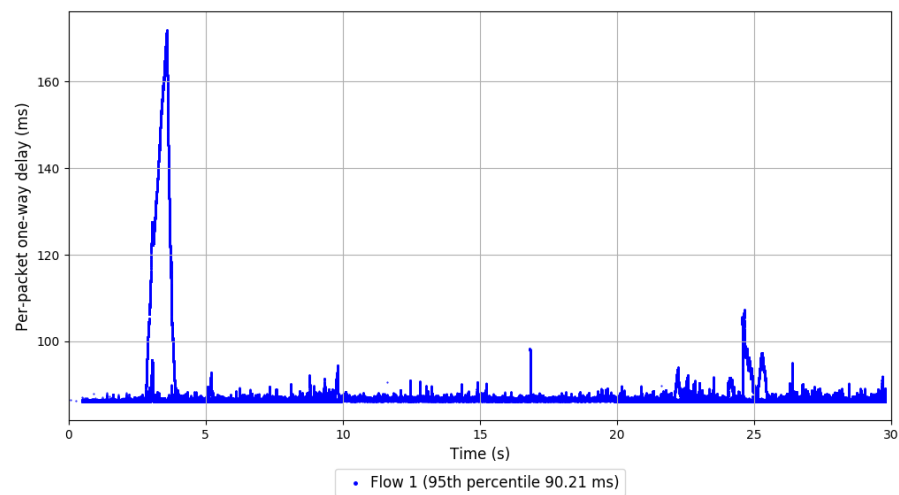
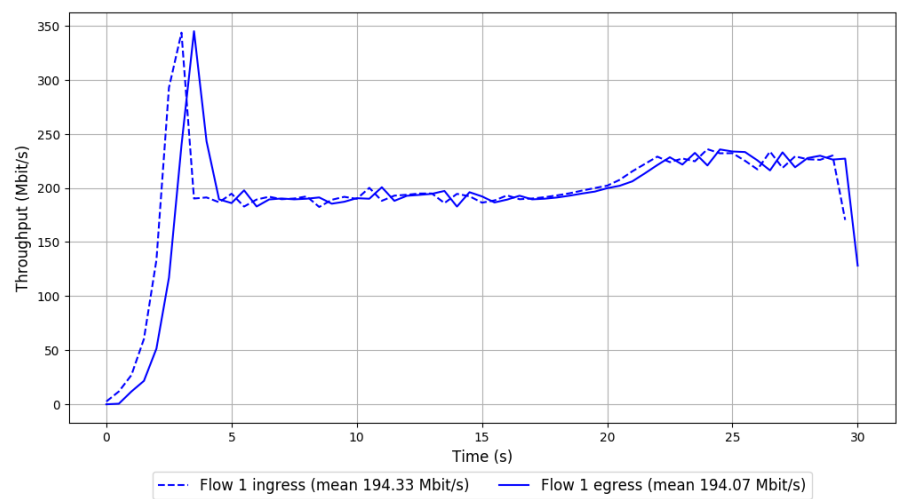


Run 2: Statistics of PCC-Expr

Start at: 2018-07-24 20:41:58
End at: 2018-07-24 20:42:28
Local clock offset: 0.114 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-07-25 01:09:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 194.07 Mbit/s
95th percentile per-packet one-way delay: 90.213 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 194.07 Mbit/s
95th percentile per-packet one-way delay: 90.213 ms
Loss rate: 0.71%

Run 2: Report of PCC-Expr — Data Link

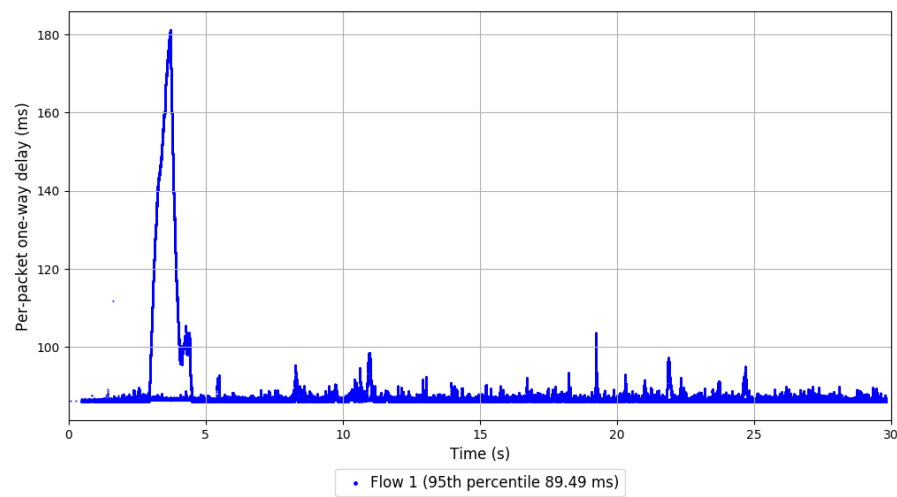
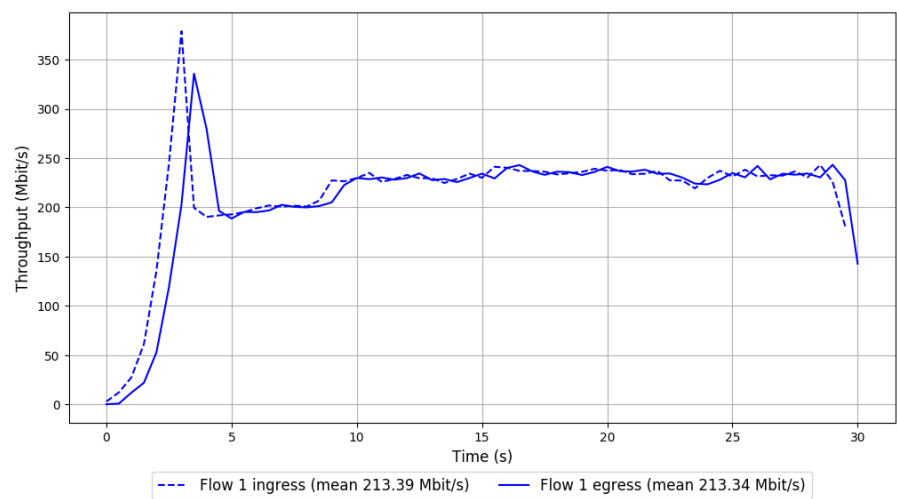


Run 3: Statistics of PCC-Expr

Start at: 2018-07-24 21:03:47
End at: 2018-07-24 21:04:17
Local clock offset: -0.081 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-25 01:09:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 213.34 Mbit/s
95th percentile per-packet one-way delay: 89.492 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 213.34 Mbit/s
95th percentile per-packet one-way delay: 89.492 ms
Loss rate: 0.60%

Run 3: Report of PCC-Expr — Data Link

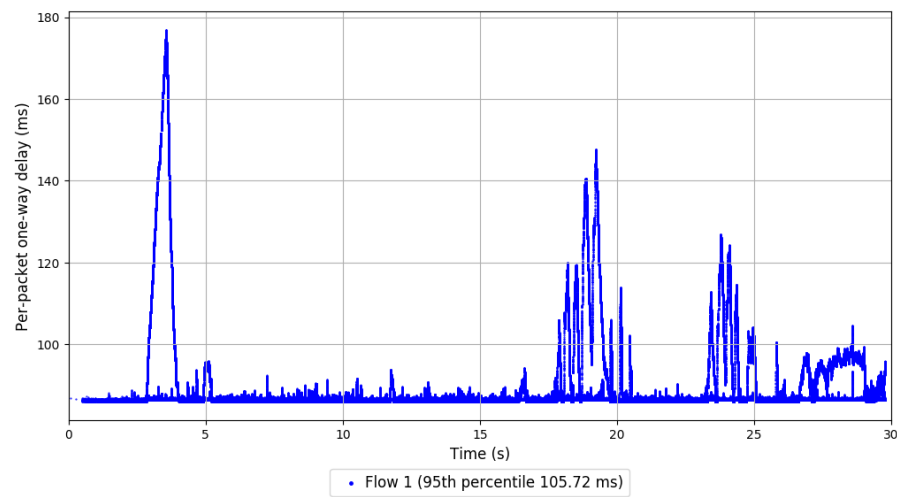
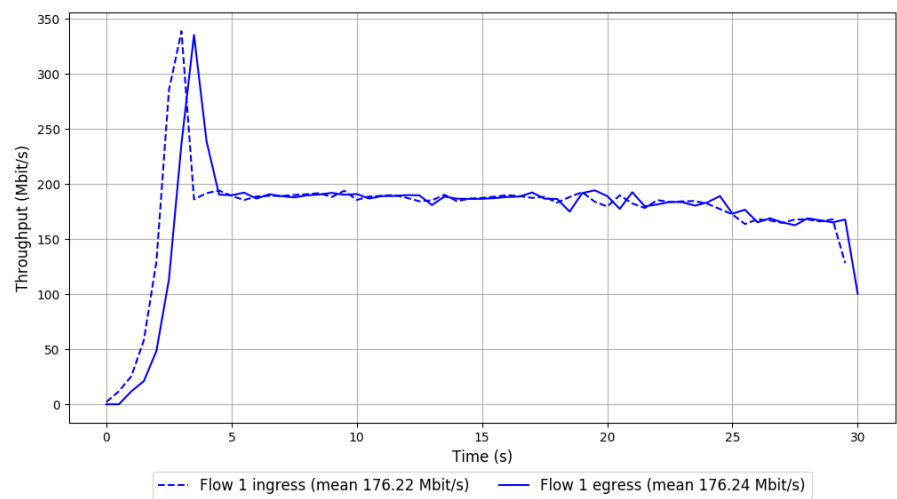


Run 4: Statistics of PCC-Expr

Start at: 2018-07-24 21:25:32
End at: 2018-07-24 21:26:02
Local clock offset: -0.101 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-25 01:09:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 176.24 Mbit/s
95th percentile per-packet one-way delay: 105.724 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 176.24 Mbit/s
95th percentile per-packet one-way delay: 105.724 ms
Loss rate: 0.57%

Run 4: Report of PCC-Expr — Data Link

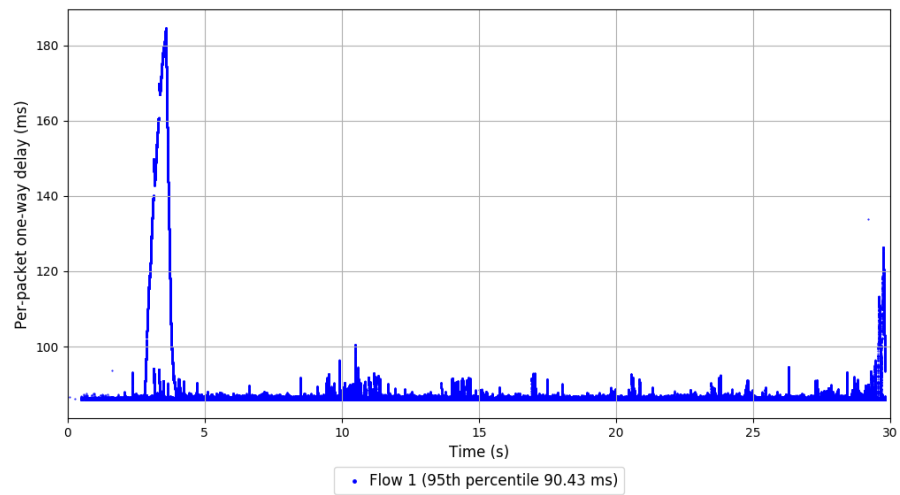
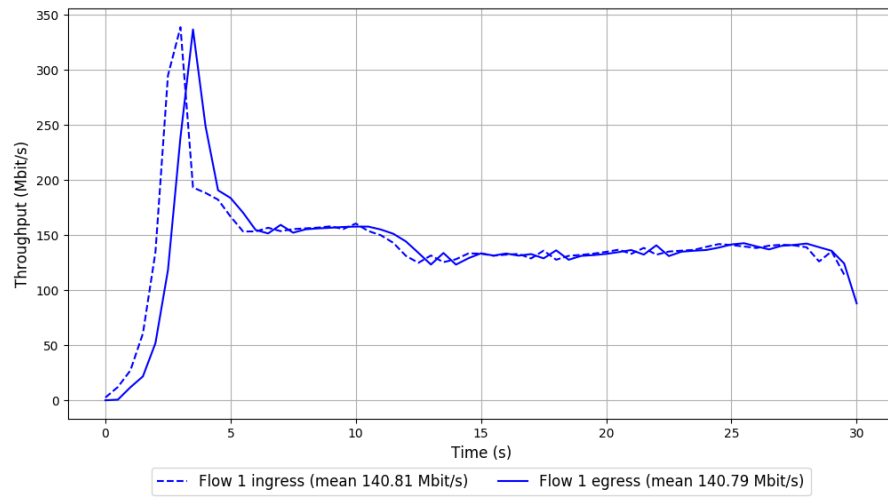


Run 5: Statistics of PCC-Expr

Start at: 2018-07-24 21:47:23
End at: 2018-07-24 21:47:53
Local clock offset: -0.159 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-07-25 01:09:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 140.79 Mbit/s
95th percentile per-packet one-way delay: 90.429 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 140.79 Mbit/s
95th percentile per-packet one-way delay: 90.429 ms
Loss rate: 0.60%

Run 5: Report of PCC-Expr — Data Link

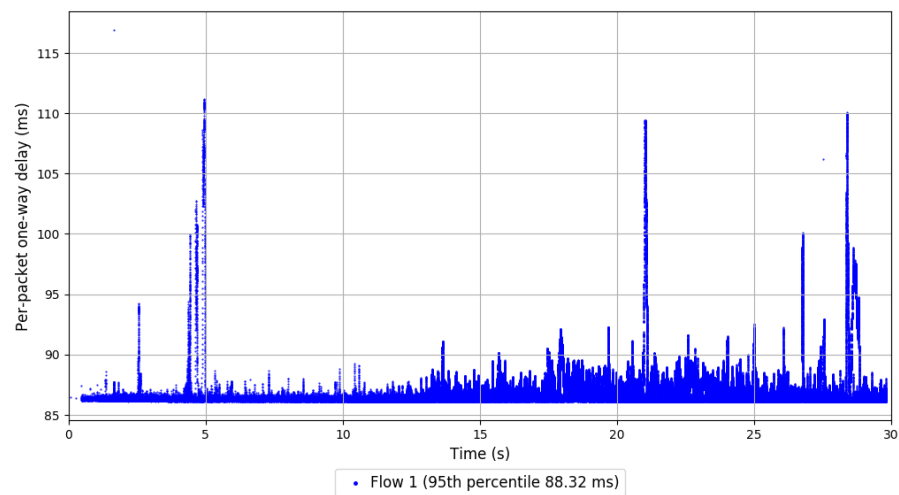
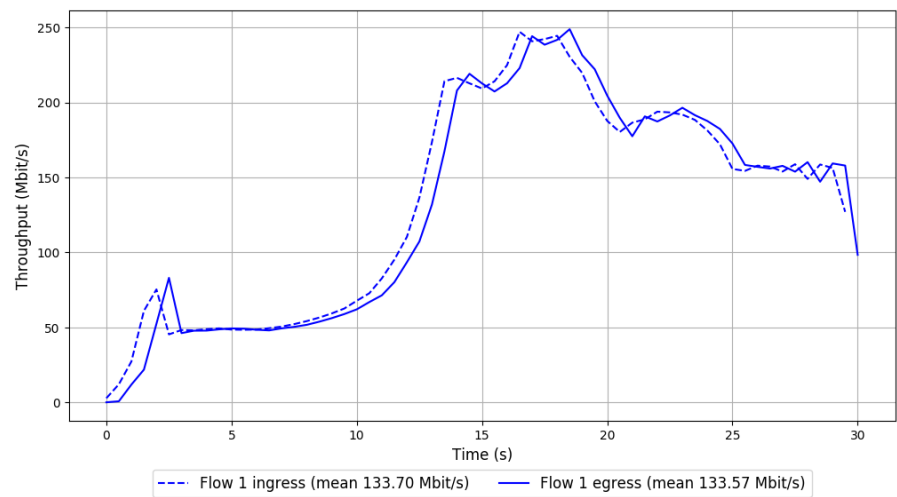


Run 6: Statistics of PCC-Expr

Start at: 2018-07-24 22:08:55
End at: 2018-07-24 22:09:25
Local clock offset: 0.127 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-25 01:10:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 133.57 Mbit/s
95th percentile per-packet one-way delay: 88.323 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 133.57 Mbit/s
95th percentile per-packet one-way delay: 88.323 ms
Loss rate: 0.68%

Run 6: Report of PCC-Expr — Data Link

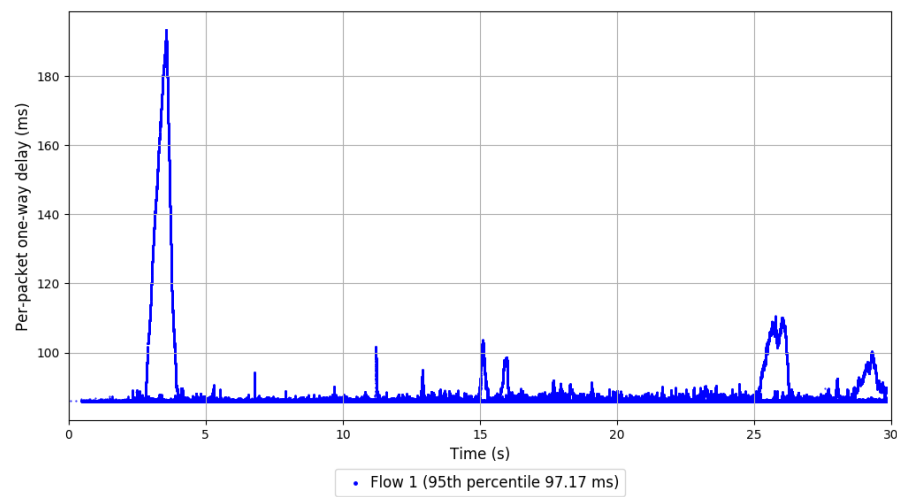
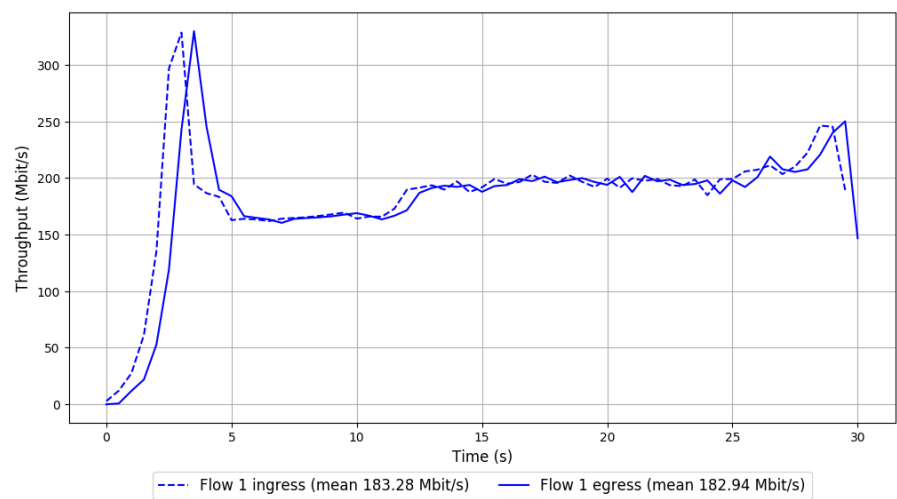


Run 7: Statistics of PCC-Expr

Start at: 2018-07-24 22:30:45
End at: 2018-07-24 22:31:15
Local clock offset: -0.051 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-25 01:13:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 182.94 Mbit/s
95th percentile per-packet one-way delay: 97.173 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 182.94 Mbit/s
95th percentile per-packet one-way delay: 97.173 ms
Loss rate: 0.76%

Run 7: Report of PCC-Expr — Data Link

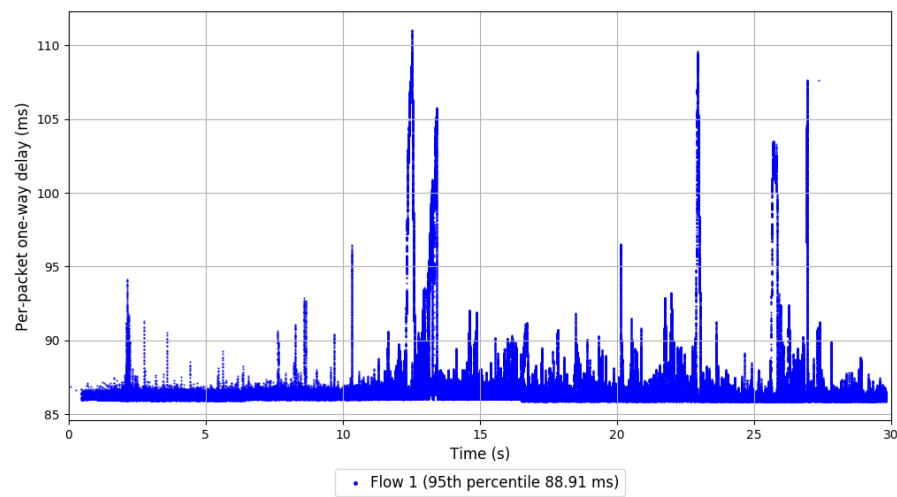
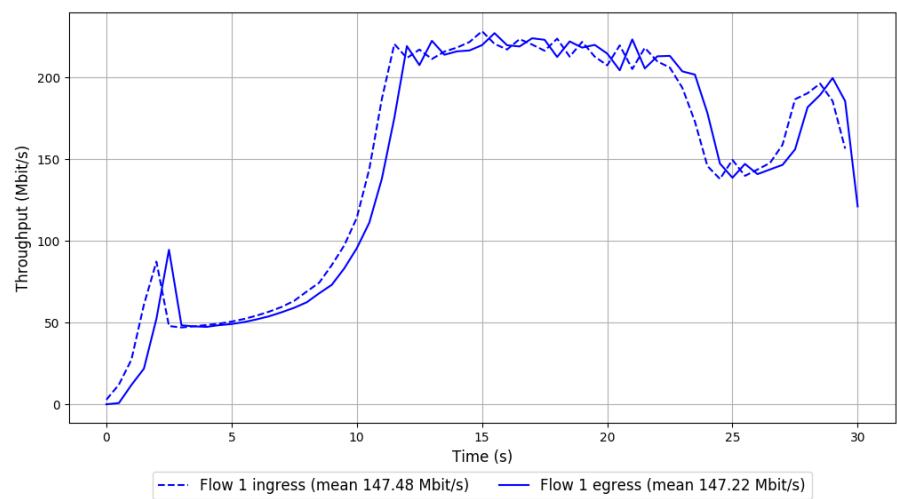


Run 8: Statistics of PCC-Expr

Start at: 2018-07-24 22:52:32
End at: 2018-07-24 22:53:02
Local clock offset: -0.051 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-25 01:13:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 147.22 Mbit/s
95th percentile per-packet one-way delay: 88.906 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 147.22 Mbit/s
95th percentile per-packet one-way delay: 88.906 ms
Loss rate: 0.76%

Run 8: Report of PCC-Expr — Data Link

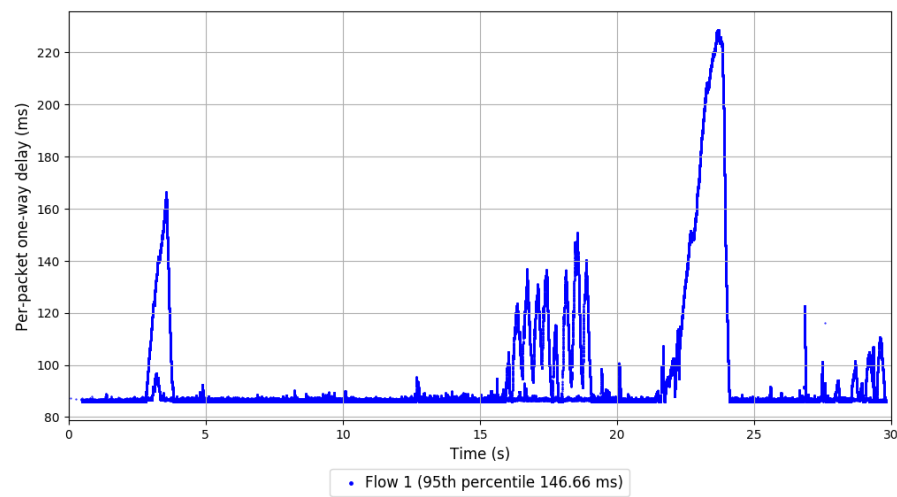
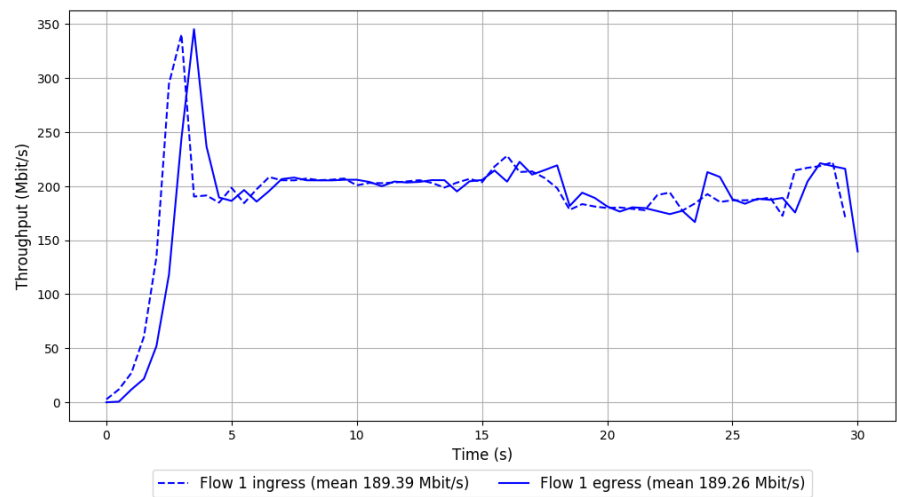


Run 9: Statistics of PCC-Expr

Start at: 2018-07-24 23:14:29
End at: 2018-07-24 23:14:59
Local clock offset: 0.008 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-25 01:16:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 189.26 Mbit/s
95th percentile per-packet one-way delay: 146.660 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 189.26 Mbit/s
95th percentile per-packet one-way delay: 146.660 ms
Loss rate: 0.65%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

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

End at: 2018-07-24 23:36:23

Local clock offset: 0.029 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-25 01:16:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 155.20 Mbit/s

95th percentile per-packet one-way delay: 87.409 ms

Loss rate: 0.71%

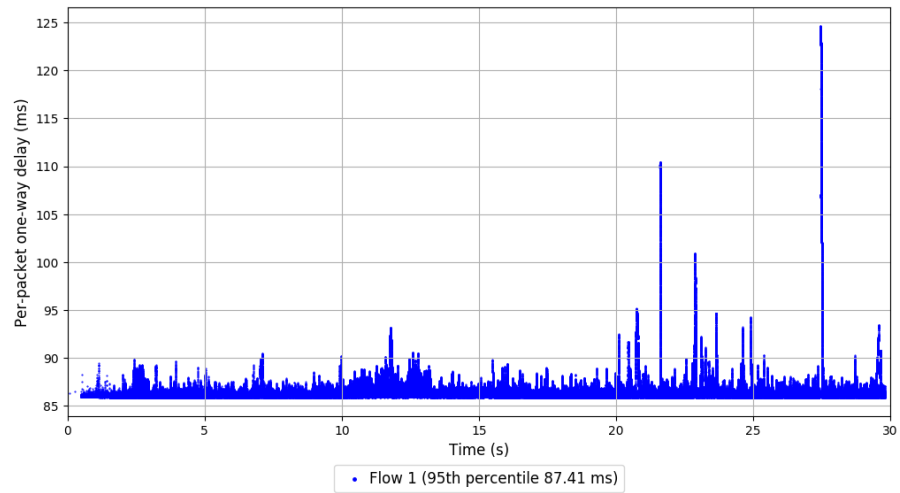
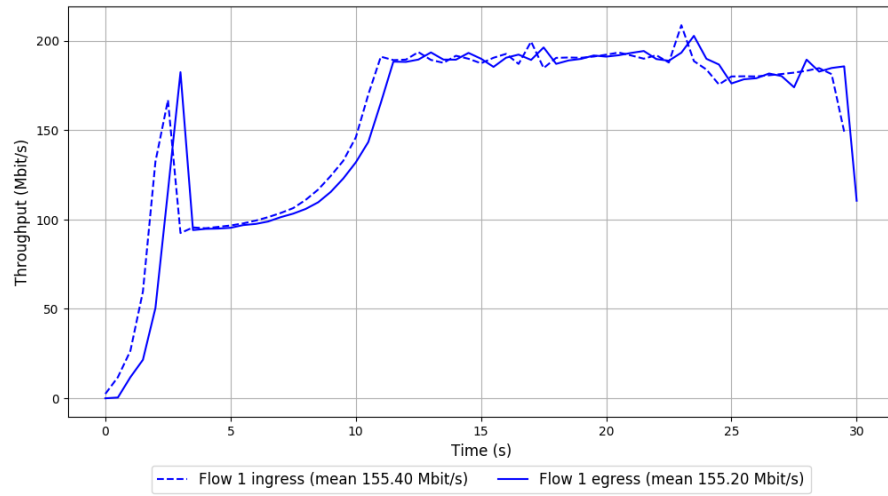
-- Flow 1:

Average throughput: 155.20 Mbit/s

95th percentile per-packet one-way delay: 87.409 ms

Loss rate: 0.71%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

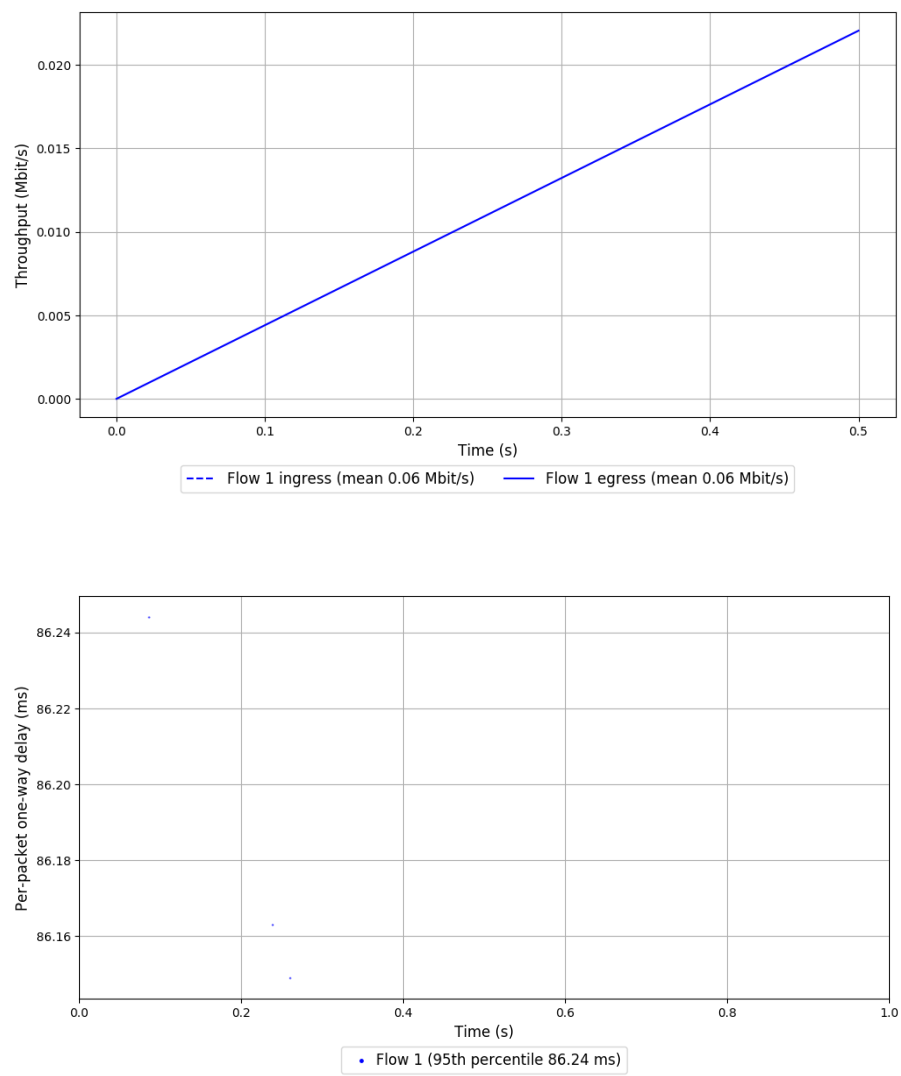
Start at: 2018-07-24 20:32:03

End at: 2018-07-24 20:32:33

Local clock offset: -0.119 ms

Remote clock offset: -0.12 ms

Run 1: Report of QUIC Cubic — Data Link

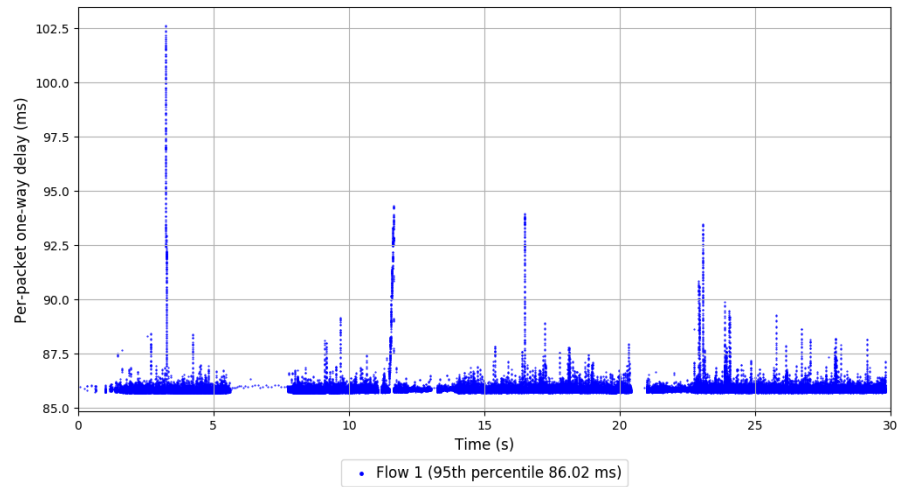
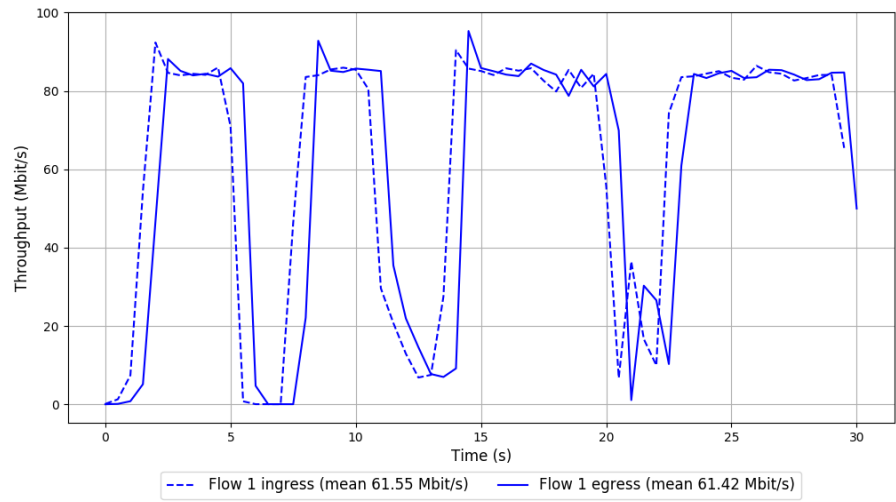


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-24 20:53:19
End at: 2018-07-24 20:53:49
Local clock offset: -0.238 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-07-25 01:16:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.42 Mbit/s
95th percentile per-packet one-way delay: 86.021 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 61.42 Mbit/s
95th percentile per-packet one-way delay: 86.021 ms
Loss rate: 0.79%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-24 21:15:02

End at: 2018-07-24 21:15:32

Local clock offset: -0.109 ms

Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-07-25 01:16:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.10 Mbit/s

95th percentile per-packet one-way delay: 86.170 ms

Loss rate: 0.74%

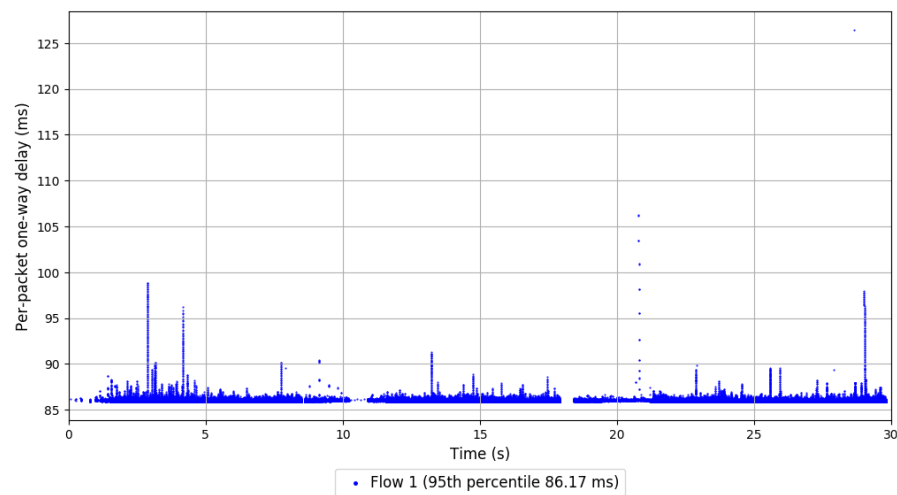
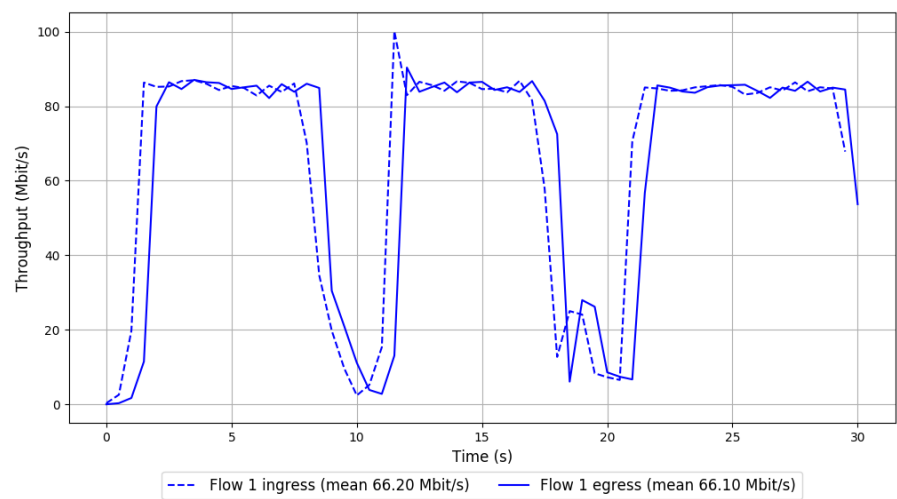
-- Flow 1:

Average throughput: 66.10 Mbit/s

95th percentile per-packet one-way delay: 86.170 ms

Loss rate: 0.74%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-24 21:36:56

End at: 2018-07-24 21:37:26

Local clock offset: 0.014 ms

Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-25 01:16:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.88 Mbit/s

95th percentile per-packet one-way delay: 86.769 ms

Loss rate: 0.78%

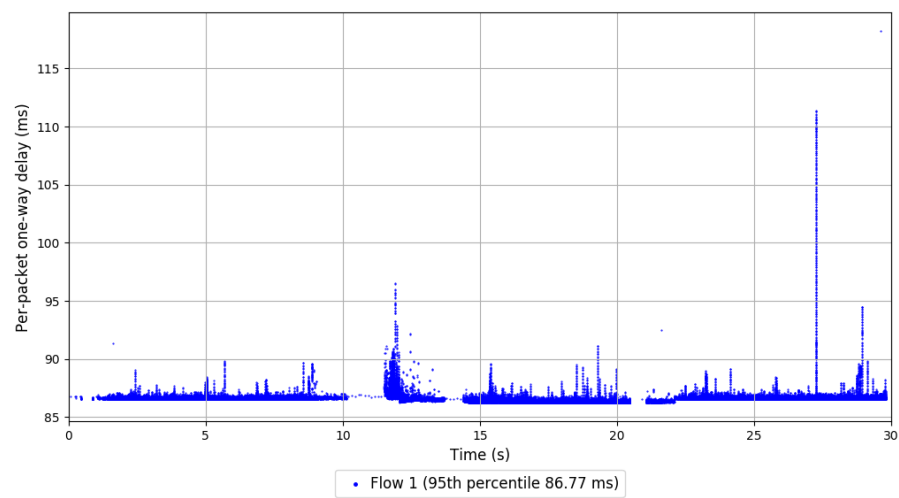
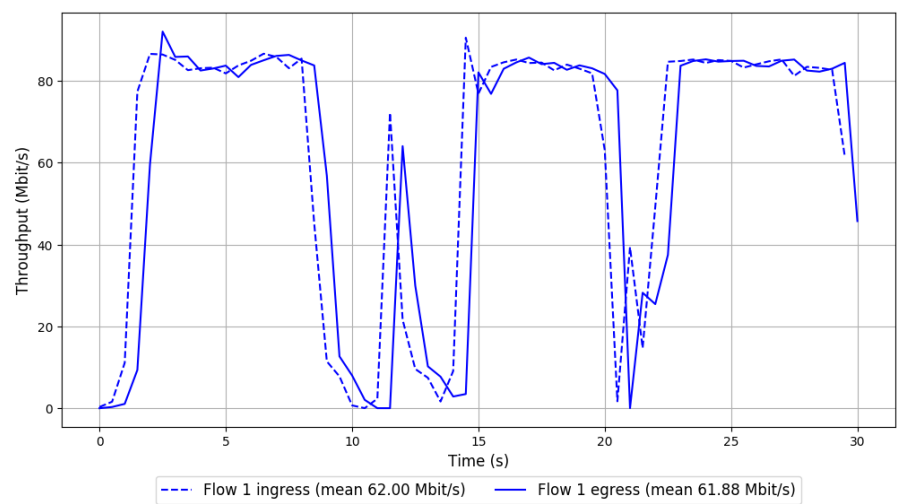
-- Flow 1:

Average throughput: 61.88 Mbit/s

95th percentile per-packet one-way delay: 86.769 ms

Loss rate: 0.78%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-24 21:58:27

End at: 2018-07-24 21:58:57

Local clock offset: -0.163 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-07-25 01:16:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.32 Mbit/s

95th percentile per-packet one-way delay: 86.440 ms

Loss rate: 0.75%

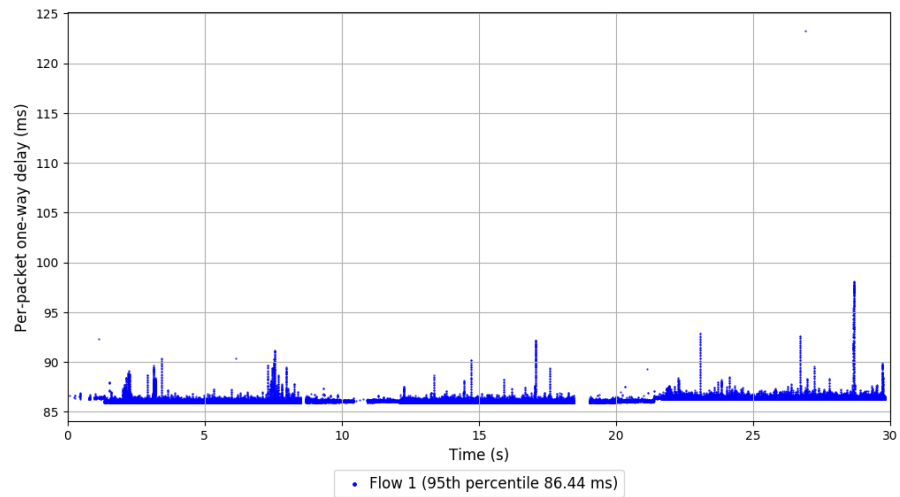
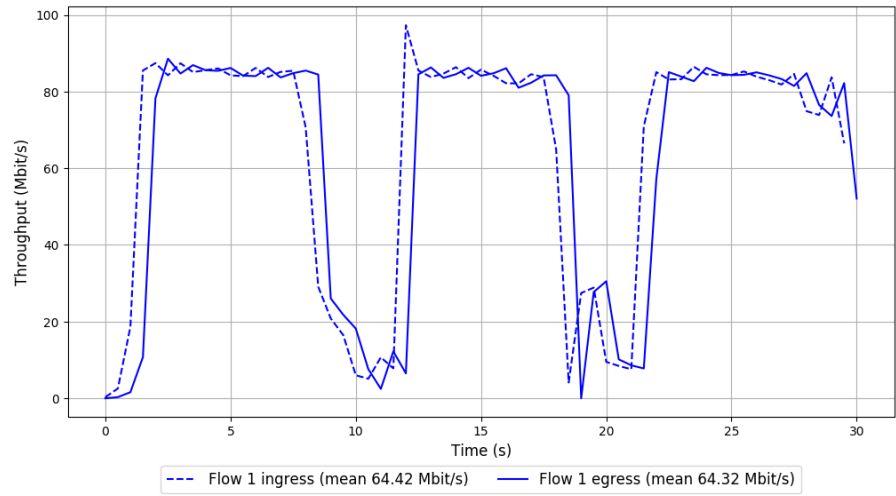
-- Flow 1:

Average throughput: 64.32 Mbit/s

95th percentile per-packet one-way delay: 86.440 ms

Loss rate: 0.75%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-24 22:20:22

End at: 2018-07-24 22:20:52

Local clock offset: -0.045 ms

Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-25 01:16:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.88 Mbit/s

95th percentile per-packet one-way delay: 86.543 ms

Loss rate: 0.82%

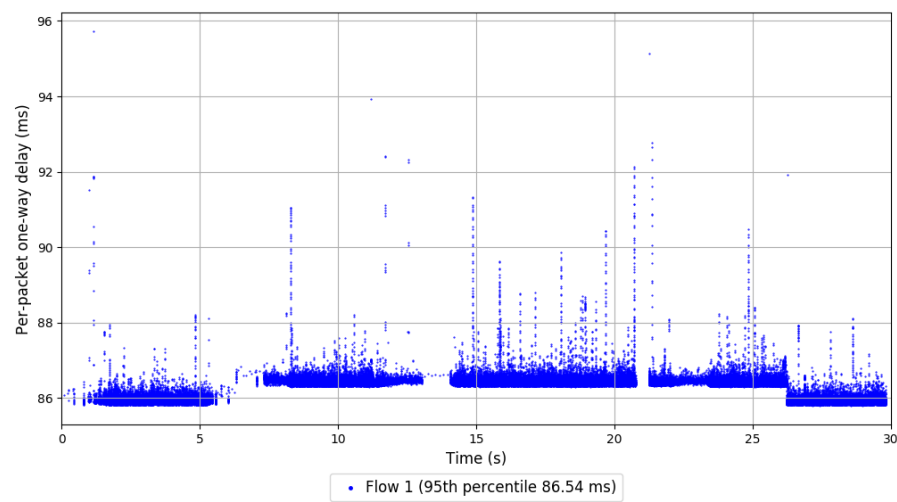
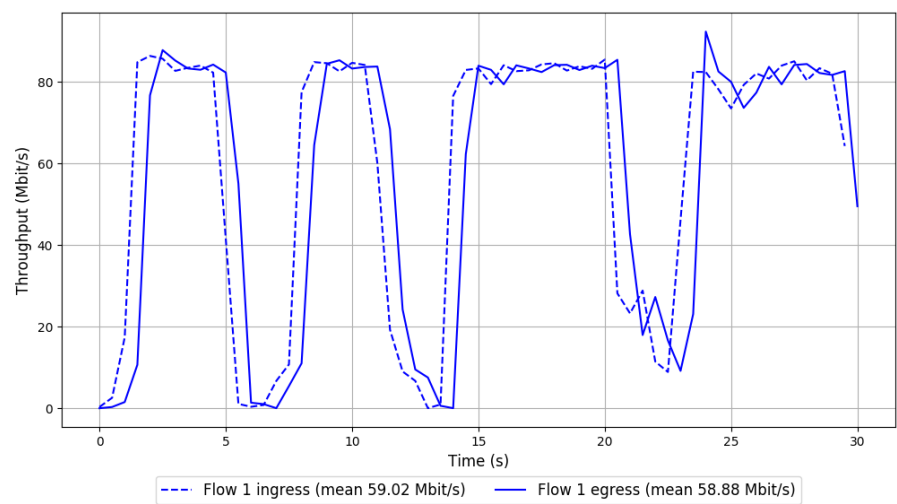
-- Flow 1:

Average throughput: 58.88 Mbit/s

95th percentile per-packet one-way delay: 86.543 ms

Loss rate: 0.82%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-24 22:42:04

End at: 2018-07-24 22:42:34

Local clock offset: -0.259 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-25 01:16:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.99 Mbit/s

95th percentile per-packet one-way delay: 86.283 ms

Loss rate: 0.71%

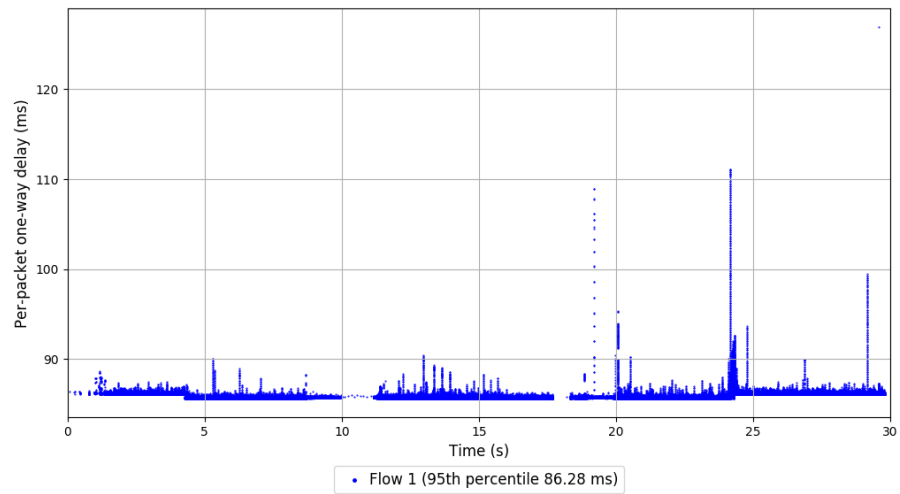
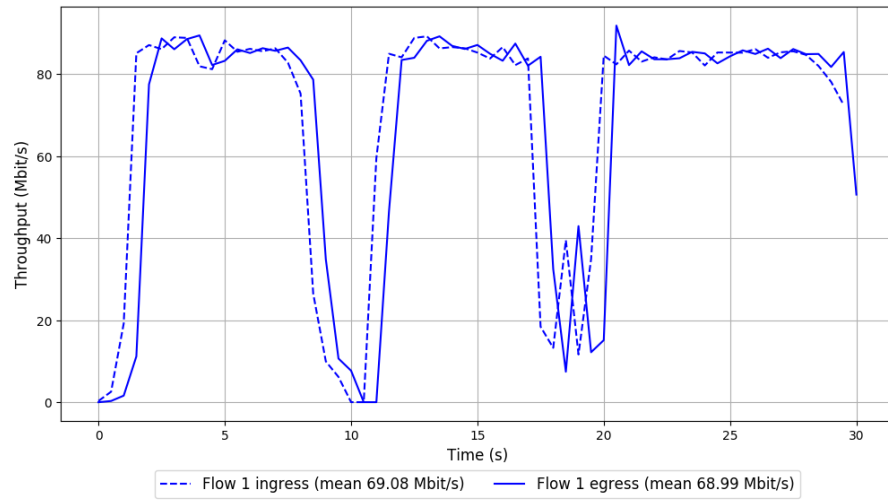
-- Flow 1:

Average throughput: 68.99 Mbit/s

95th percentile per-packet one-way delay: 86.283 ms

Loss rate: 0.71%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-24 23:03:58

End at: 2018-07-24 23:04:28

Local clock offset: 0.12 ms

Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-07-25 01:16:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.50 Mbit/s

95th percentile per-packet one-way delay: 86.545 ms

Loss rate: 0.97%

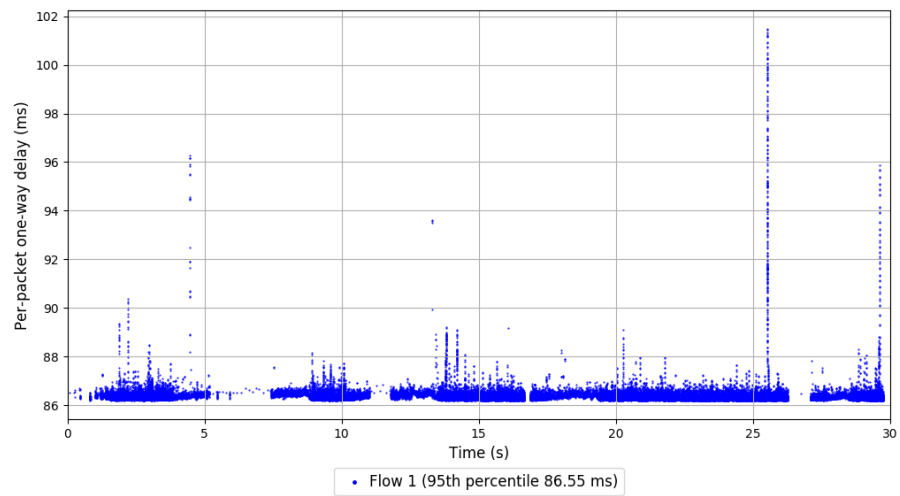
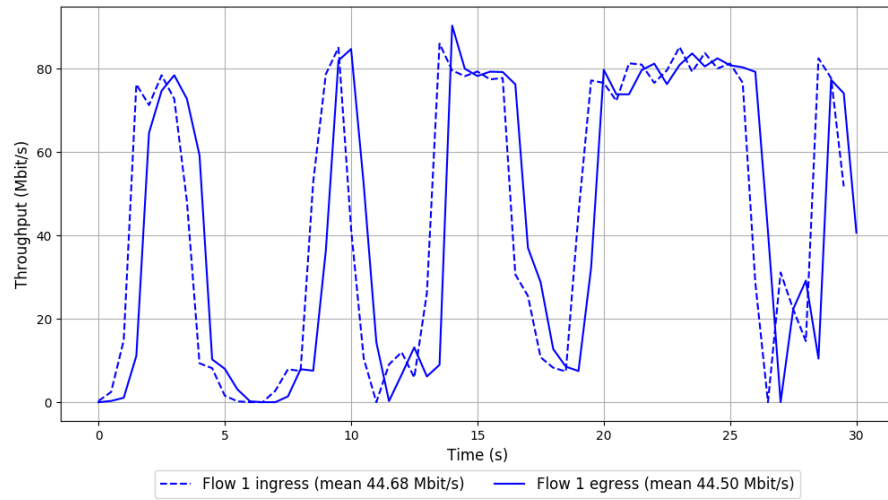
-- Flow 1:

Average throughput: 44.50 Mbit/s

95th percentile per-packet one-way delay: 86.545 ms

Loss rate: 0.97%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-24 23:25:27

End at: 2018-07-24 23:25:57

Local clock offset: 0.092 ms

Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-07-25 01:16:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.41 Mbit/s

95th percentile per-packet one-way delay: 86.510 ms

Loss rate: 0.77%

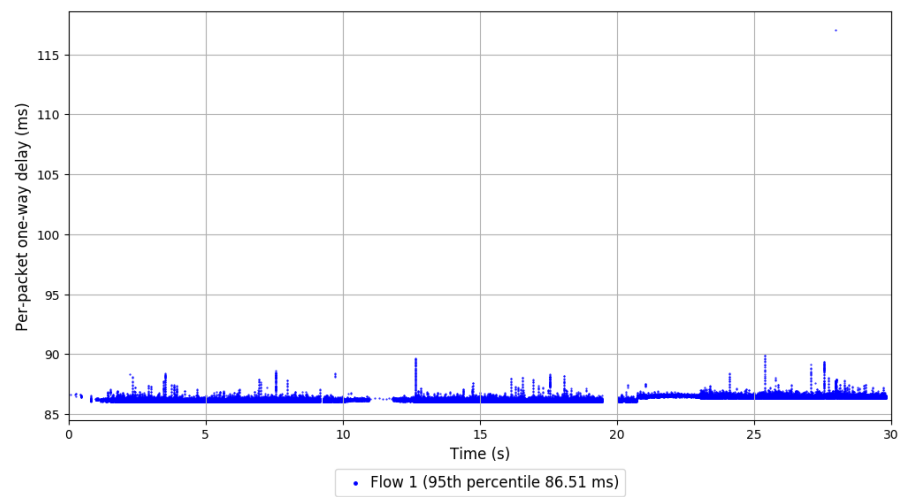
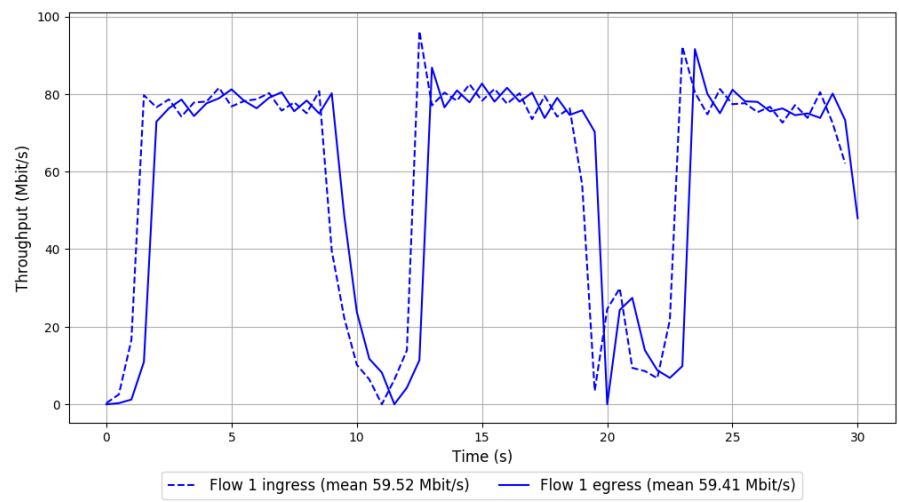
-- Flow 1:

Average throughput: 59.41 Mbit/s

95th percentile per-packet one-way delay: 86.510 ms

Loss rate: 0.77%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-24 23:47:21

End at: 2018-07-24 23:47:51

Local clock offset: -0.033 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-25 01:16:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.08 Mbit/s

95th percentile per-packet one-way delay: 86.166 ms

Loss rate: 0.73%

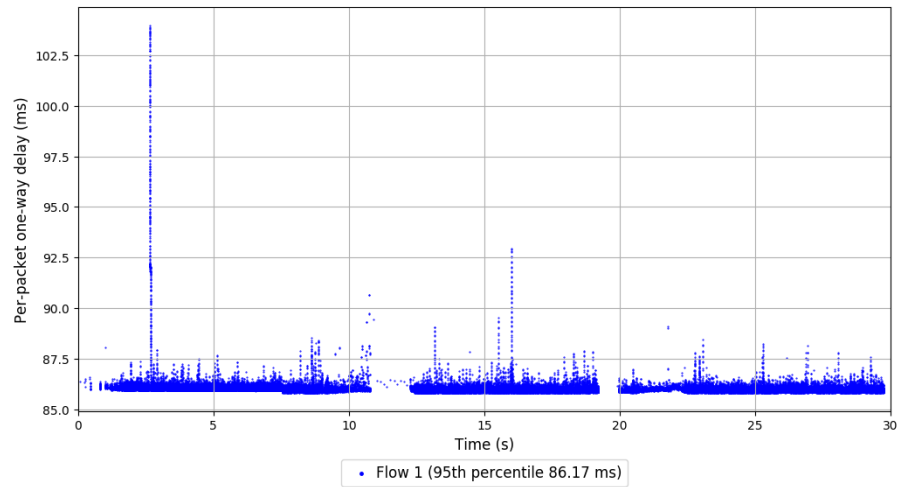
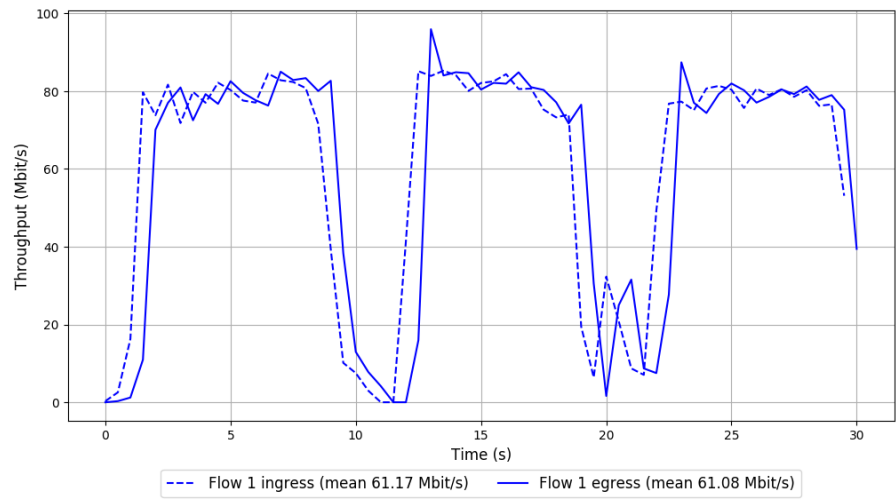
-- Flow 1:

Average throughput: 61.08 Mbit/s

95th percentile per-packet one-way delay: 86.166 ms

Loss rate: 0.73%

Run 10: Report of QUIC Cubic — Data Link

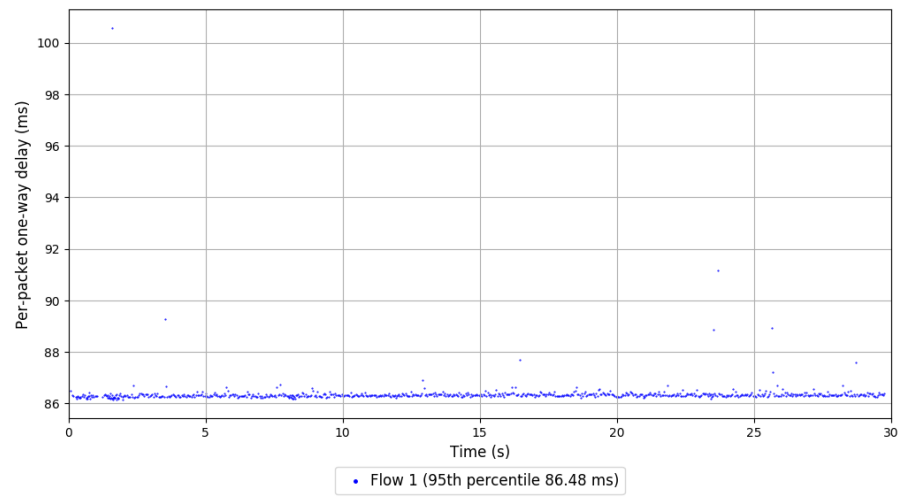
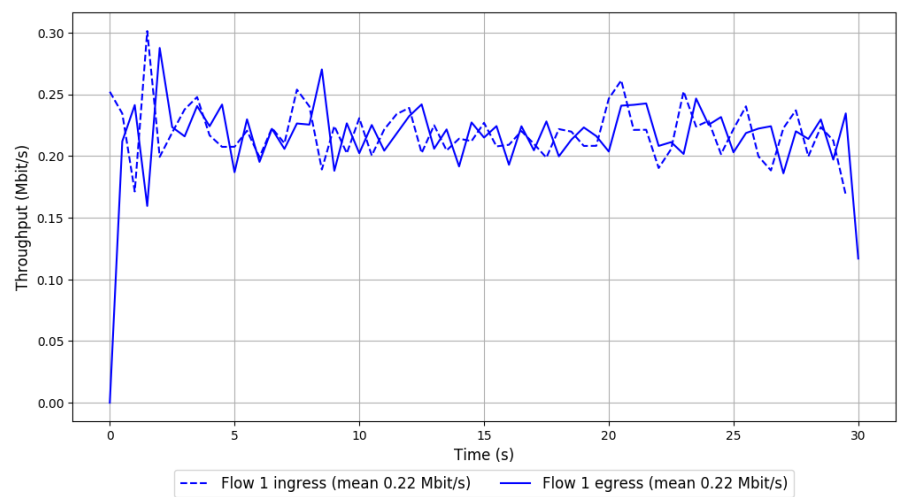


```
Run 1: Statistics of SCReAM

Start at: 2018-07-24 20:24:48
End at: 2018-07-24 20:25:18
Local clock offset: 0.043 ms
Remote clock offset: -0.197 ms

# Below is generated by plot.py at 2018-07-25 01:16:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.479 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.479 ms
Loss rate: 0.64%
```

Run 1: Report of SReAM — Data Link

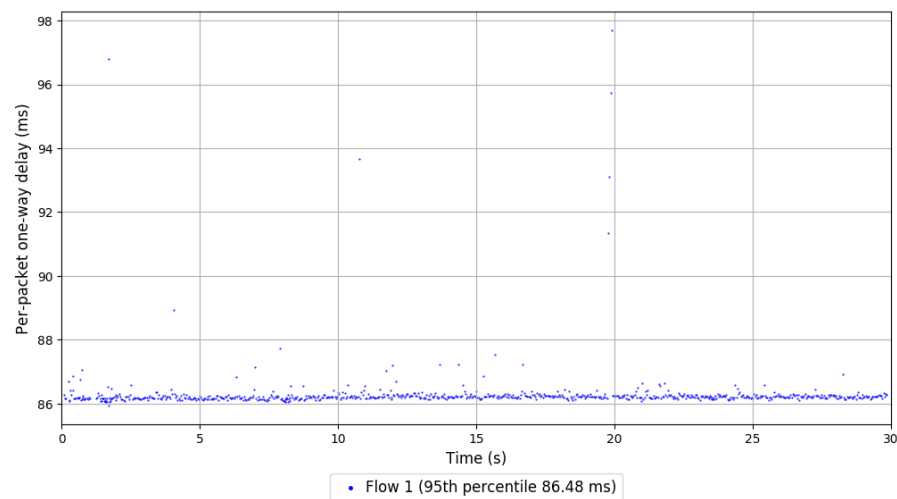
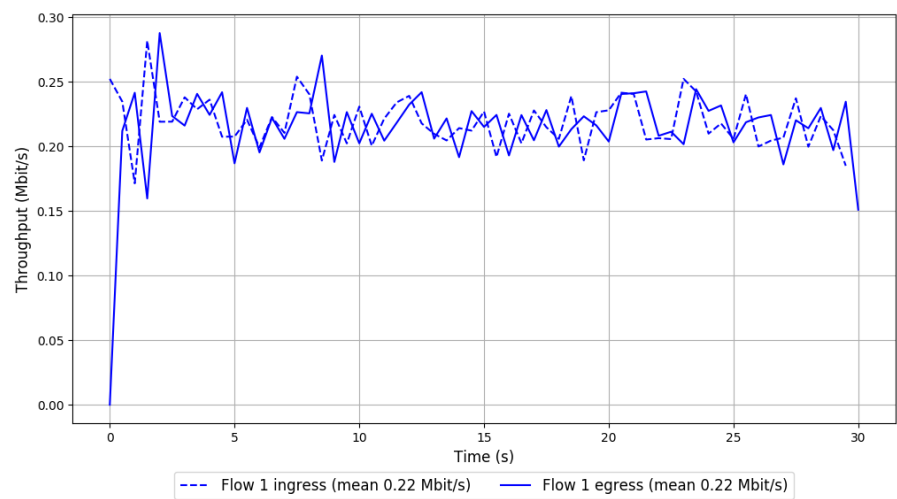


Run 2: Statistics of SCReAM

Start at: 2018-07-24 20:45:48
End at: 2018-07-24 20:46:18
Local clock offset: -0.094 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-25 01:16:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.478 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.478 ms
Loss rate: 0.51%

Run 2: Report of SReAM — Data Link

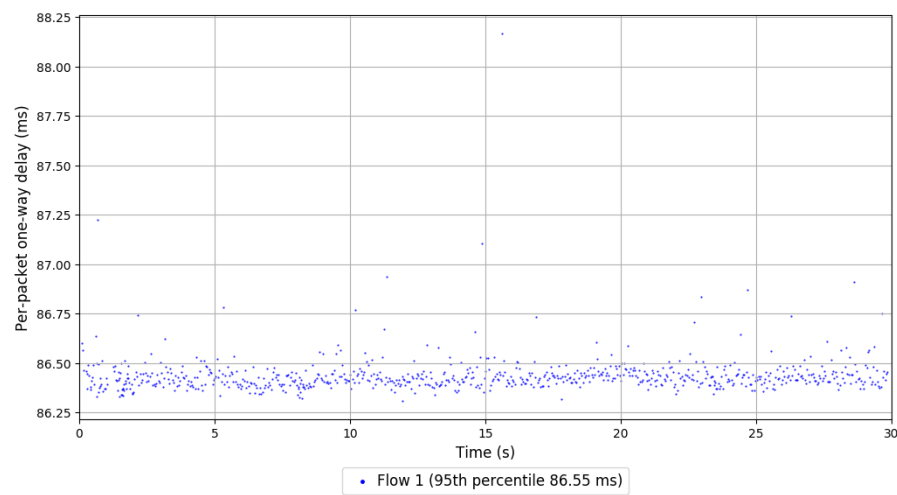
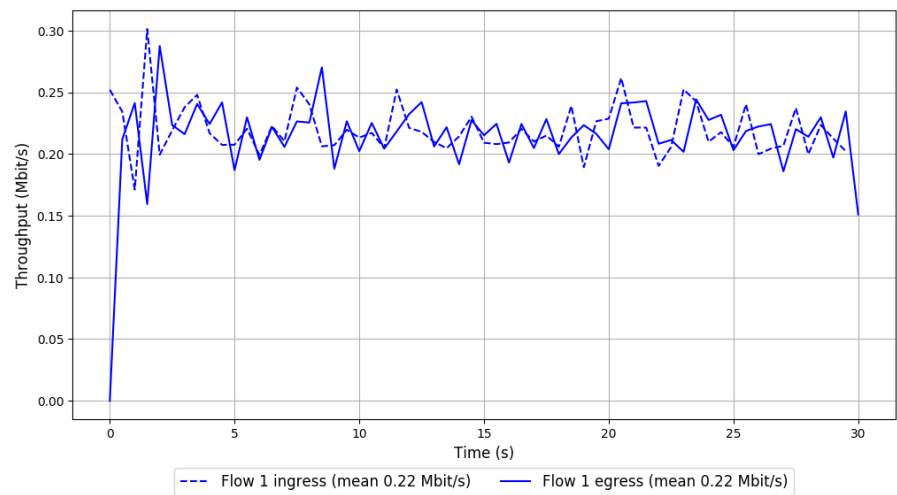


Run 3: Statistics of SCReAM

Start at: 2018-07-24 21:07:42
End at: 2018-07-24 21:08:12
Local clock offset: 0.219 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-25 01:16:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.548 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.548 ms
Loss rate: 0.64%

Run 3: Report of SReAM — Data Link

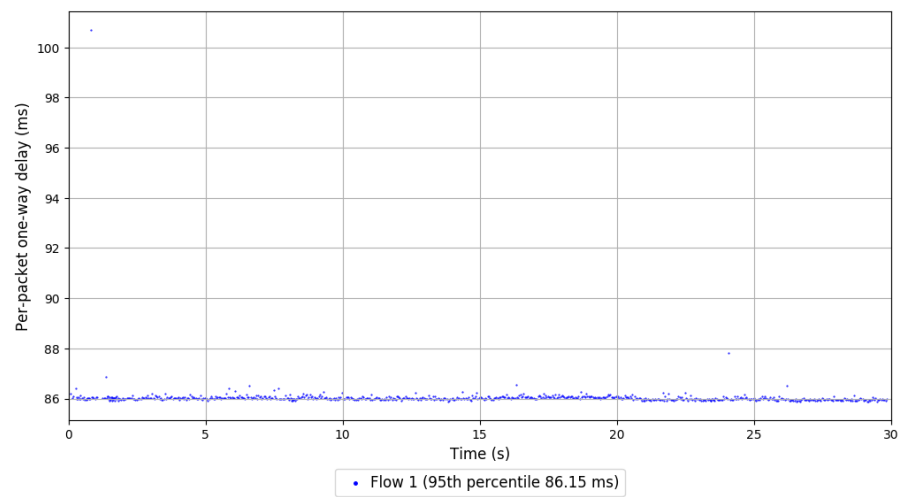
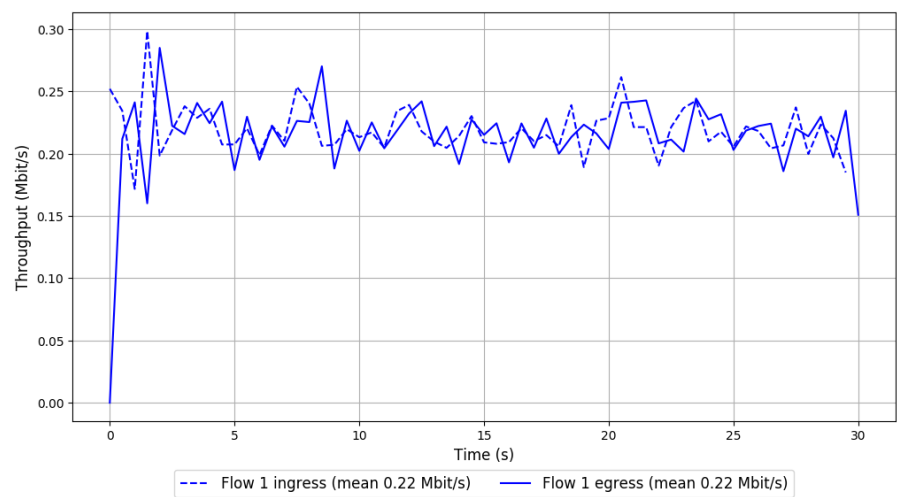


Run 4: Statistics of SReAM

Start at: 2018-07-24 21:29:23
End at: 2018-07-24 21:29:53
Local clock offset: -0.246 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-25 01:16:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.148 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.148 ms
Loss rate: 0.51%

Run 4: Report of SReAM — Data Link

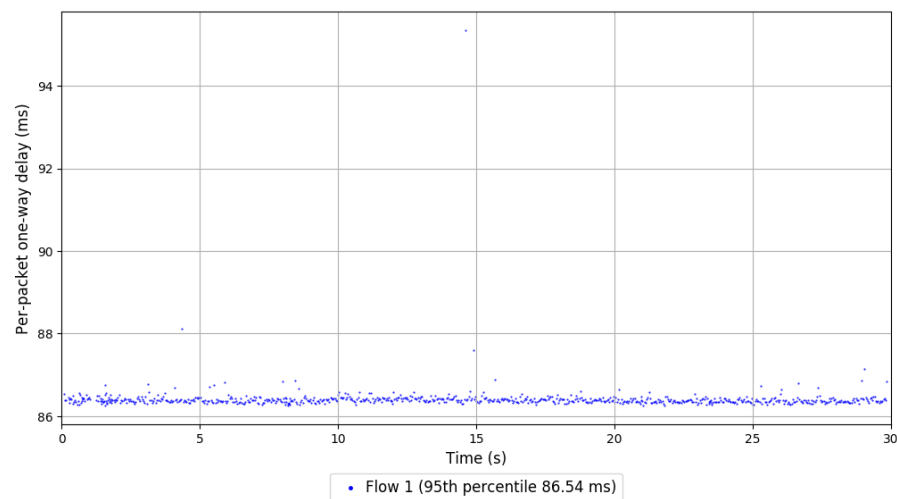
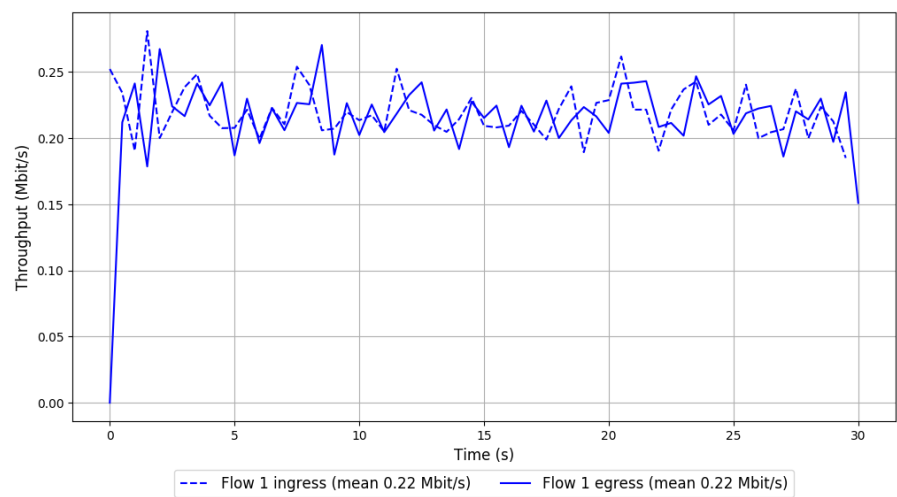


Run 5: Statistics of SCReAM

Start at: 2018-07-24 21:51:09
End at: 2018-07-24 21:51:39
Local clock offset: -0.027 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-25 01:16:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.538 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.538 ms
Loss rate: 0.51%

Run 5: Report of SReAM — Data Link

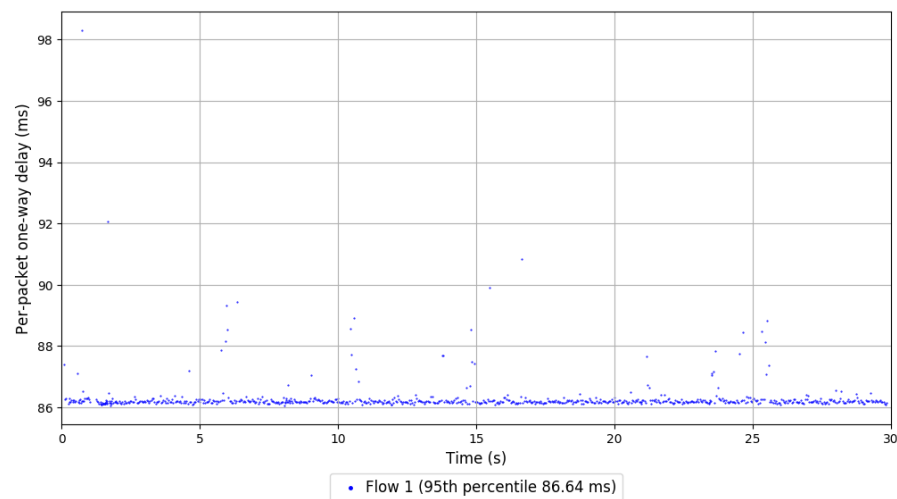
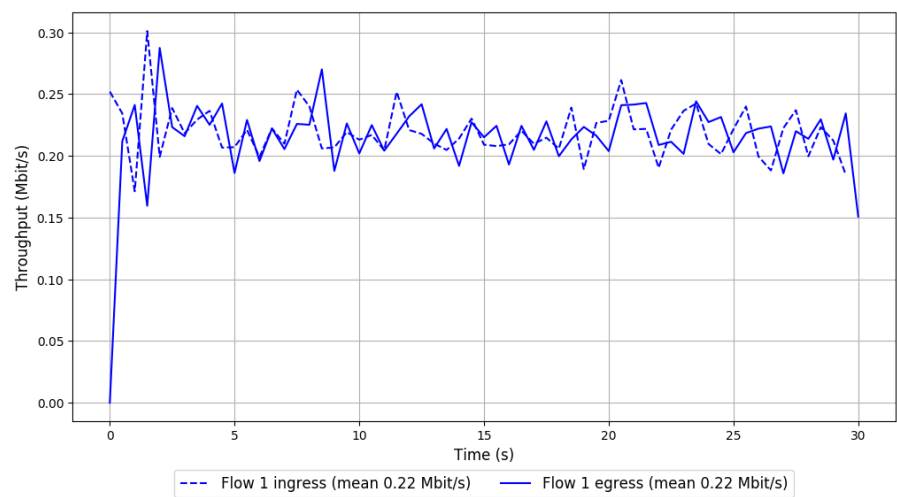


Run 6: Statistics of SCReAM

Start at: 2018-07-24 22:12:38
End at: 2018-07-24 22:13:08
Local clock offset: -0.019 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-07-25 01:16:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.641 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.641 ms
Loss rate: 0.51%

Run 6: Report of SReAM — Data Link

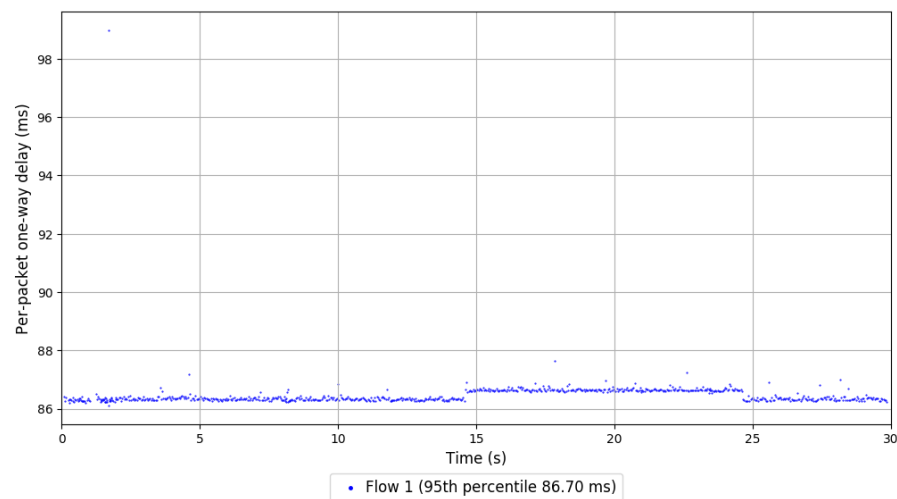
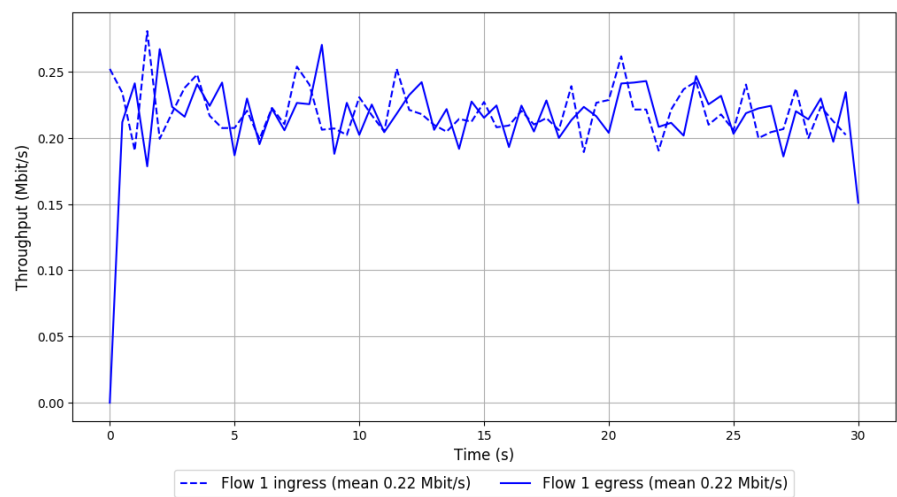


Run 7: Statistics of SCReAM

Start at: 2018-07-24 22:34:34
End at: 2018-07-24 22:35:04
Local clock offset: 0.167 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-25 01:16:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.700 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.700 ms
Loss rate: 0.64%

Run 7: Report of SReAM — Data Link

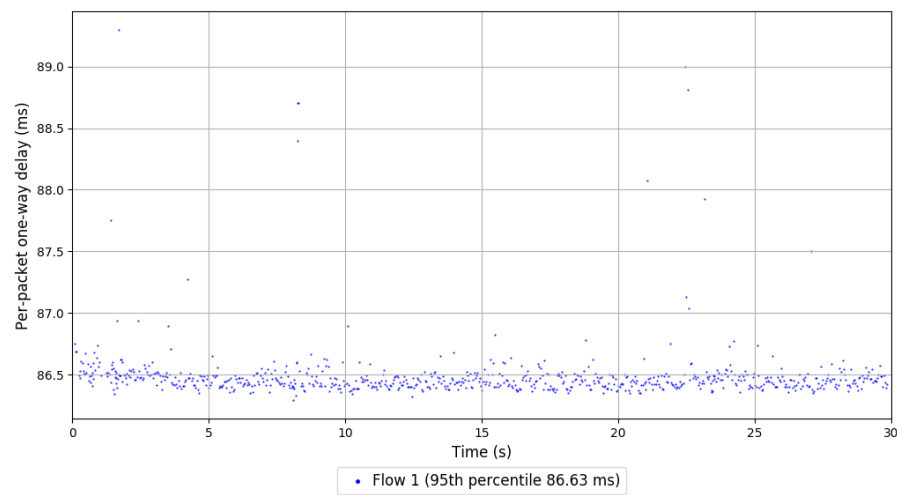
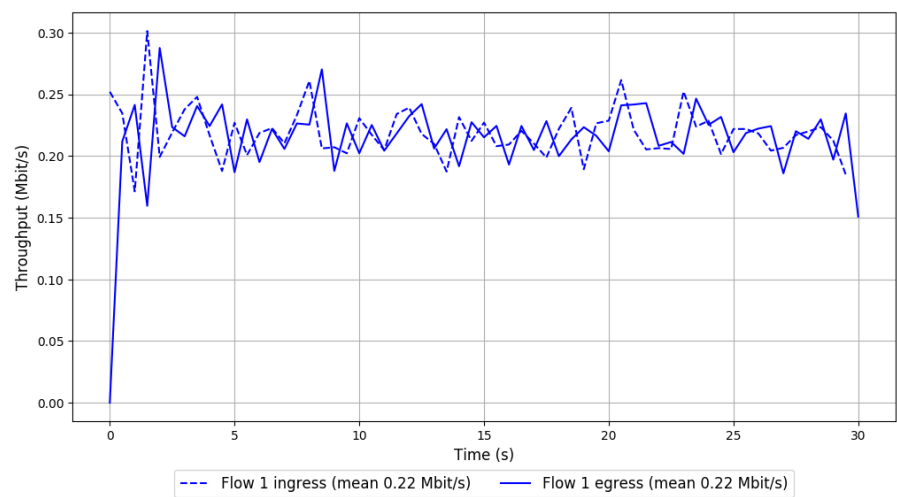


Run 8: Statistics of SReAM

Start at: 2018-07-24 22:56:25
End at: 2018-07-24 22:56:55
Local clock offset: 0.15 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-07-25 01:16:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.629 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.629 ms
Loss rate: 0.51%

Run 8: Report of SReAM — Data Link

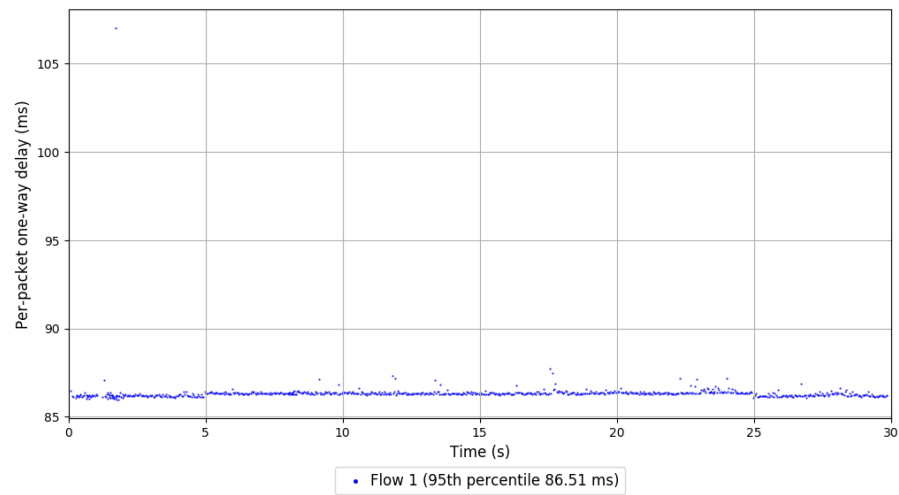
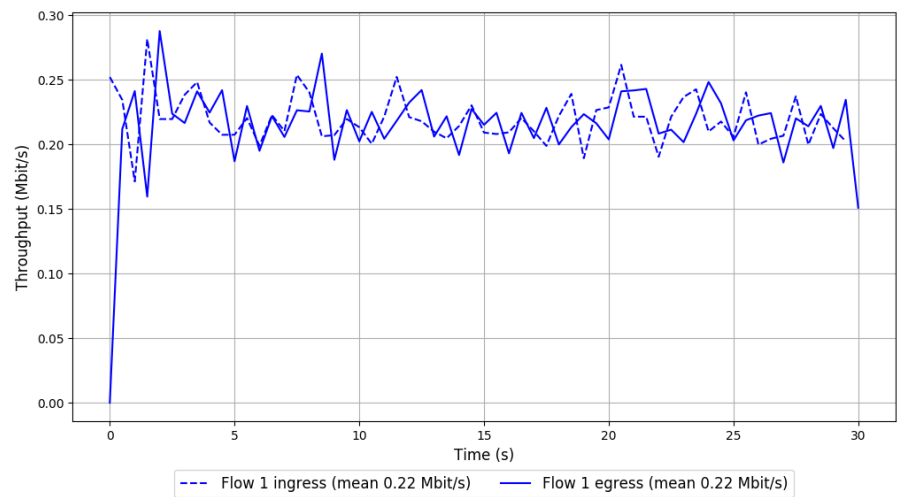


Run 9: Statistics of SCReAM

Start at: 2018-07-24 23:18:23
End at: 2018-07-24 23:18:53
Local clock offset: -0.016 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-07-25 01:16:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.514 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.514 ms
Loss rate: 0.64%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-07-24 23:39:42

End at: 2018-07-24 23:40:13

Local clock offset: 0.218 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-07-25 01:16:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.691 ms

Loss rate: 0.64%

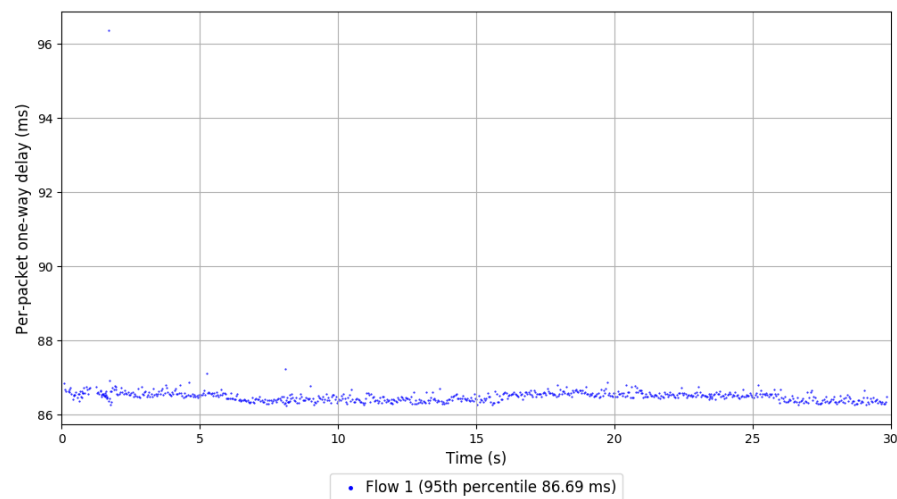
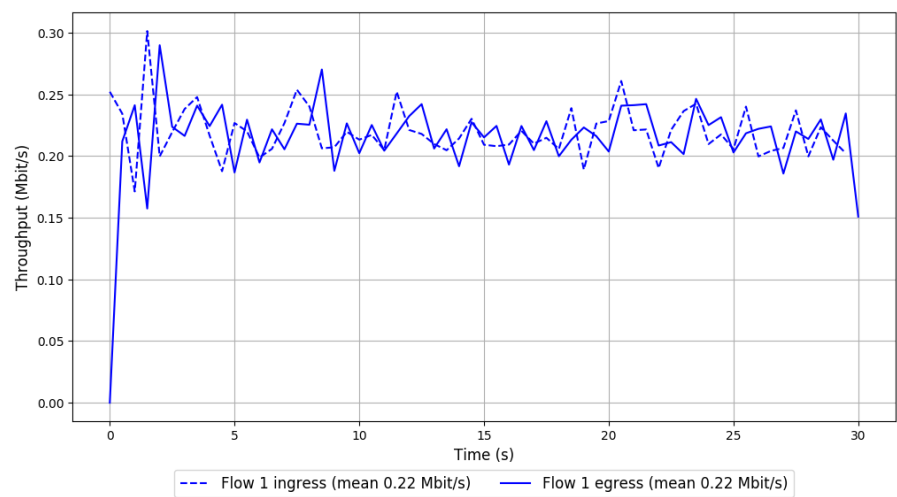
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.691 ms

Loss rate: 0.64%

Run 10: Report of SCReAM — Data Link

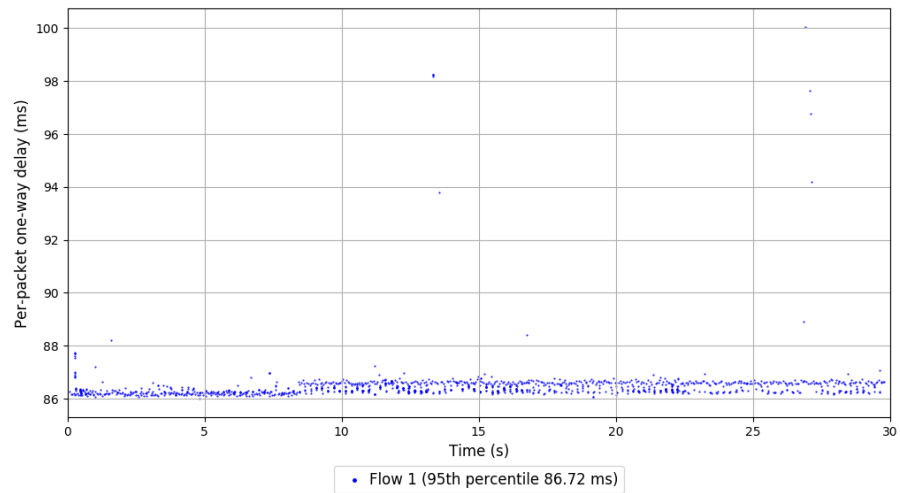
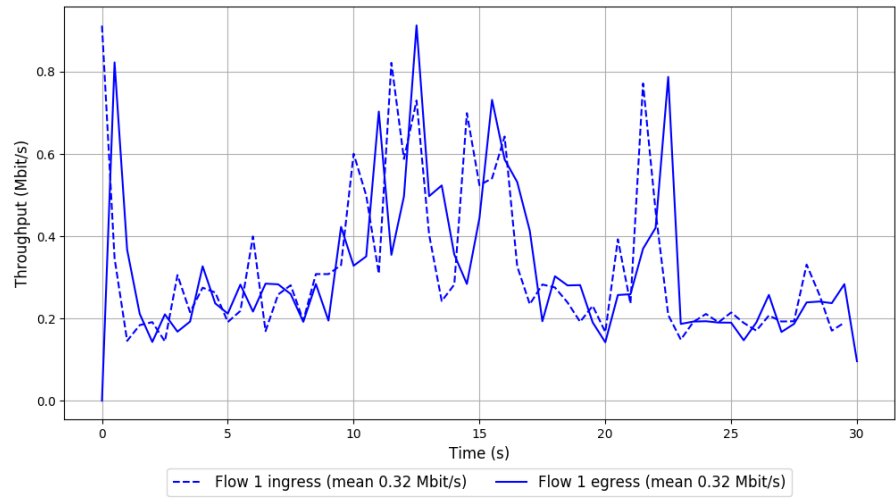


Run 1: Statistics of Sprout

Start at: 2018-07-24 20:33:10
End at: 2018-07-24 20:33:40
Local clock offset: 0.012 ms
Remote clock offset: -0.137 ms

Below is generated by plot.py at 2018-07-25 01:16:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 86.722 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 86.722 ms
Loss rate: 0.49%

Run 1: Report of Sprout — Data Link

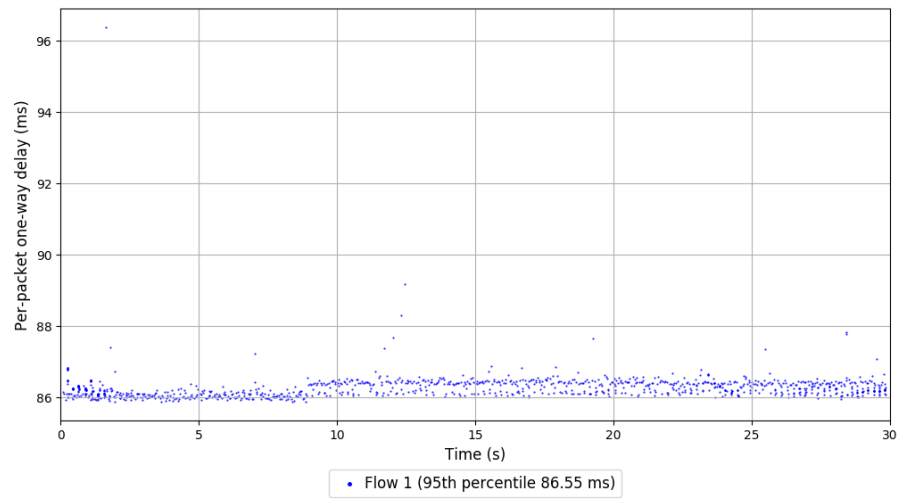
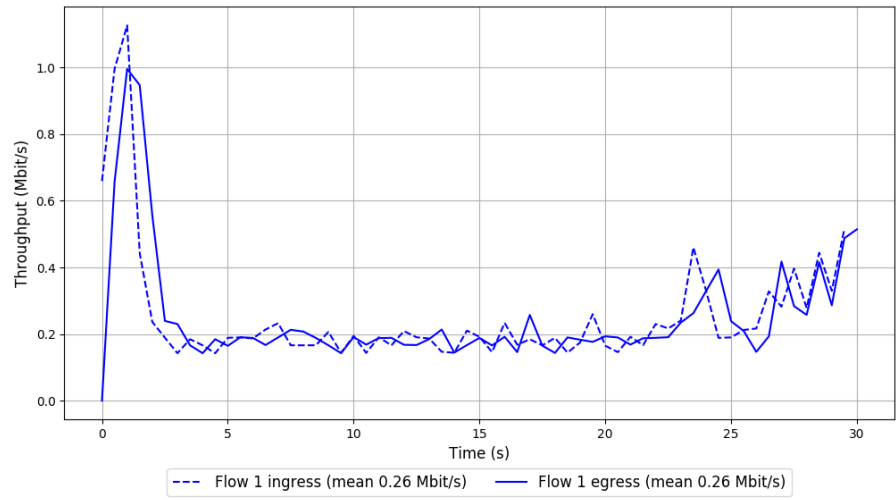


Run 2: Statistics of Sprout

Start at: 2018-07-24 20:54:29
End at: 2018-07-24 20:54:59
Local clock offset: -0.154 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-25 01:16:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.553 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.553 ms
Loss rate: 0.03%

Run 2: Report of Sprout — Data Link

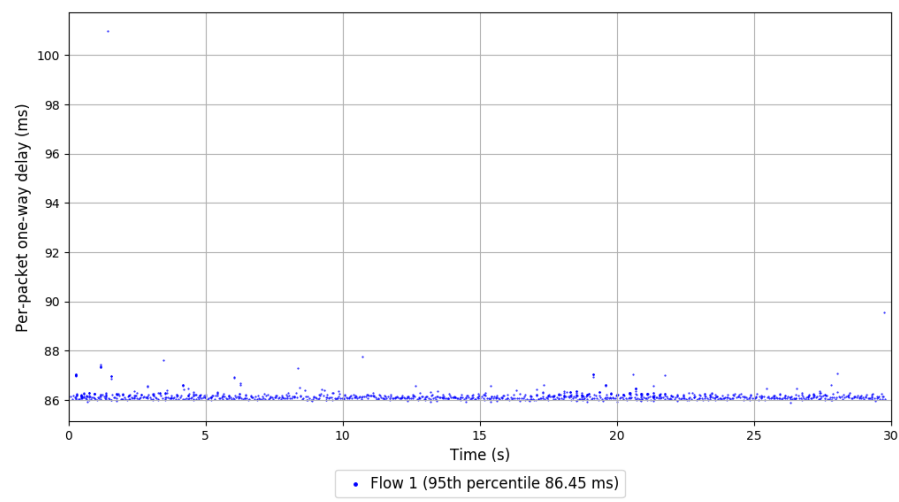
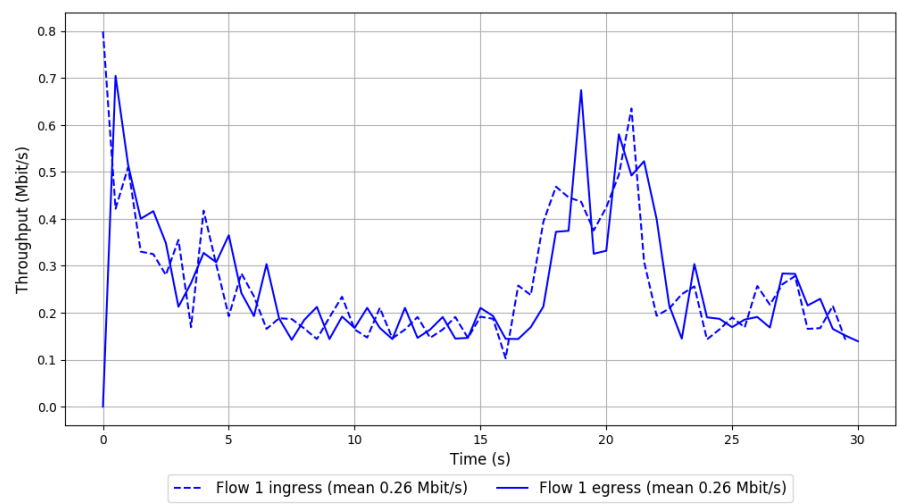


Run 3: Statistics of Sprout

Start at: 2018-07-24 21:16:13
End at: 2018-07-24 21:16:43
Local clock offset: -0.13 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-07-25 01:16:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.453 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.453 ms
Loss rate: 0.44%

Run 3: Report of Sprout — Data Link

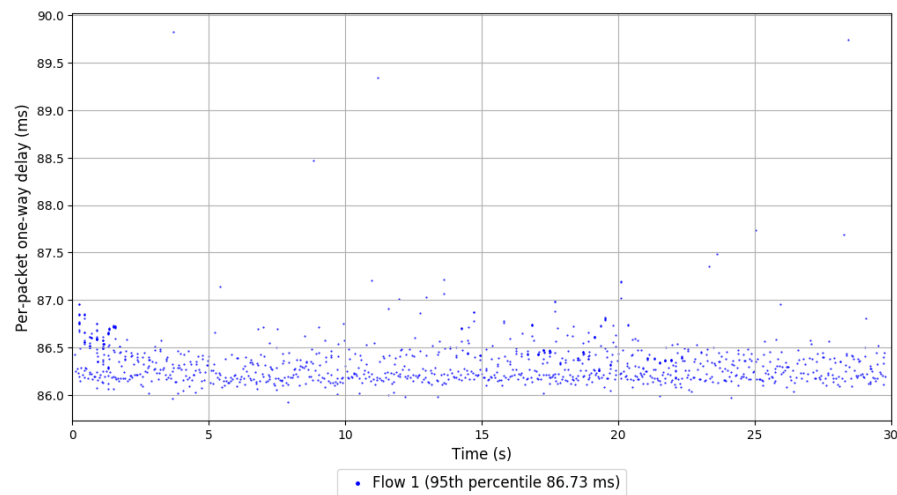
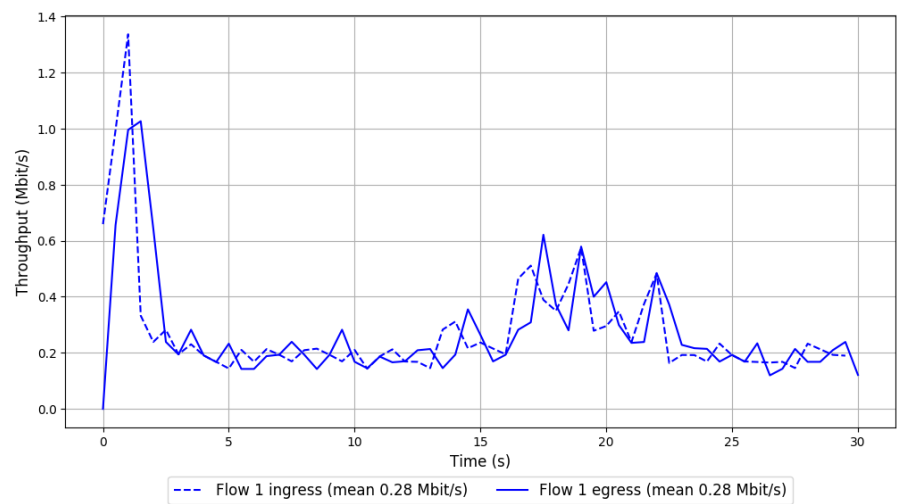


Run 4: Statistics of Sprout

Start at: 2018-07-24 21:38:07
End at: 2018-07-24 21:38:37
Local clock offset: -0.086 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-25 01:16:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 86.730 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 86.730 ms
Loss rate: 0.56%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-07-24 21:59:38

End at: 2018-07-24 22:00:08

Local clock offset: -0.169 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-07-25 01:16:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 86.599 ms

Loss rate: 0.02%

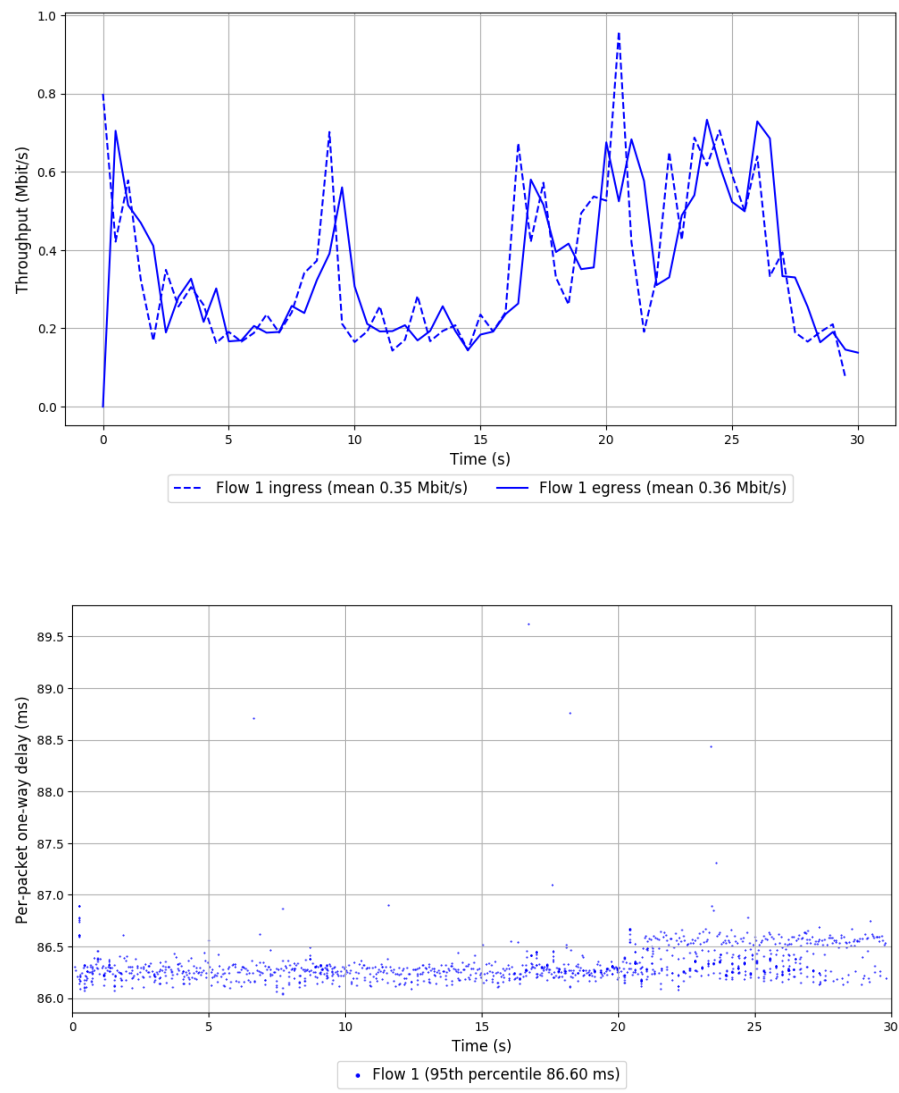
-- Flow 1:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 86.599 ms

Loss rate: 0.02%

Run 5: Report of Sprout — Data Link

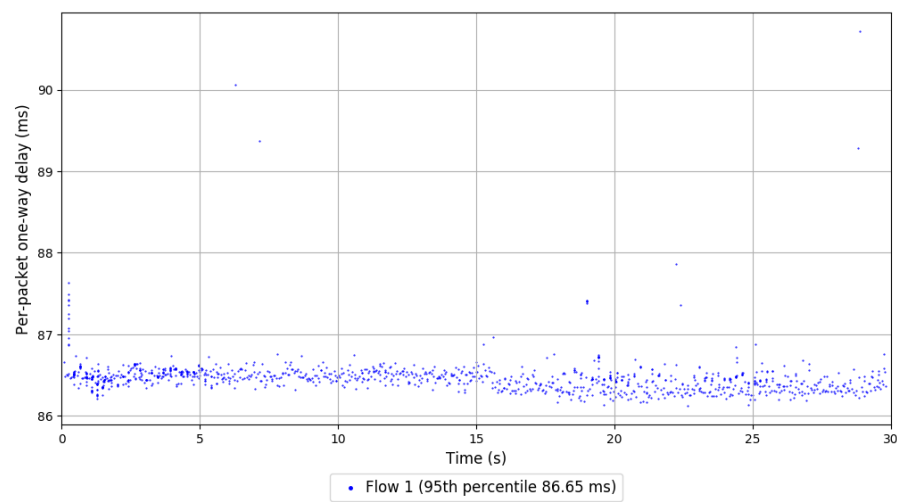
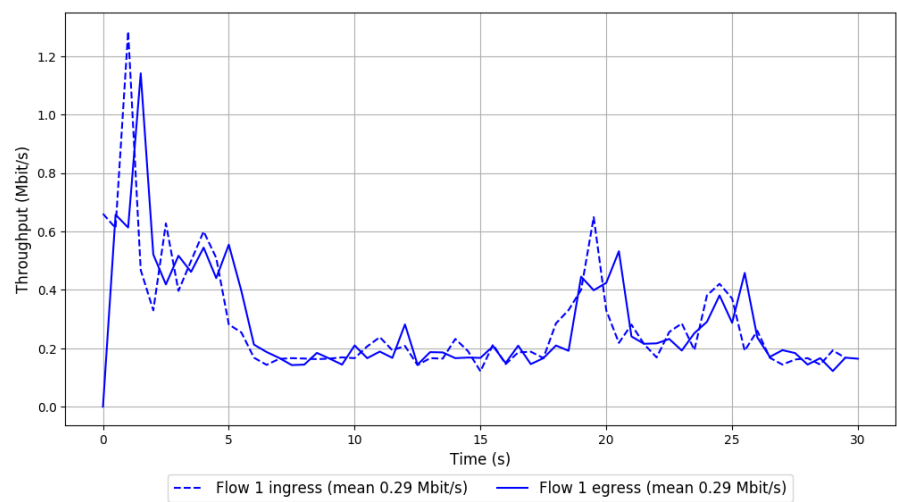


Run 6: Statistics of Sprout

Start at: 2018-07-24 22:21:33
End at: 2018-07-24 22:22:03
Local clock offset: 0.172 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-25 01:16:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 86.648 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 86.648 ms
Loss rate: 0.55%

Run 6: Report of Sprout — Data Link

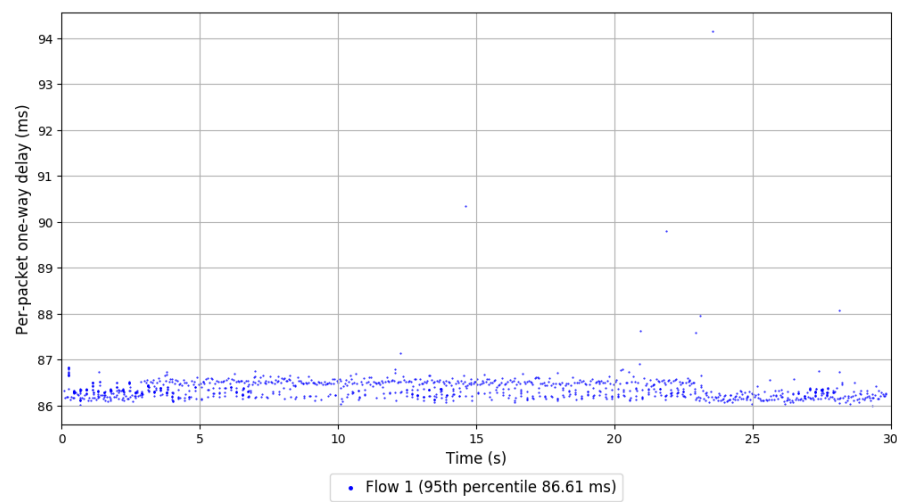
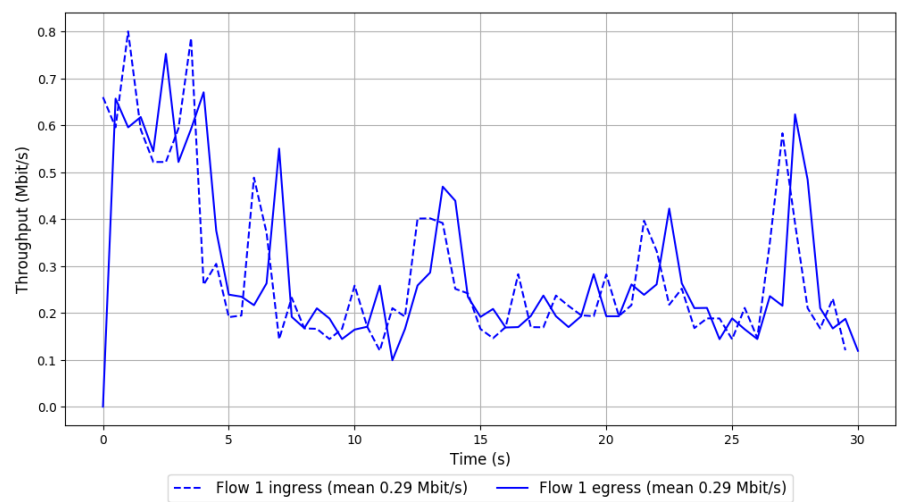


Run 7: Statistics of Sprout

Start at: 2018-07-24 22:43:15
End at: 2018-07-24 22:43:45
Local clock offset: 0.028 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-25 01:16:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 86.614 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 86.614 ms
Loss rate: 0.27%

Run 7: Report of Sprout — Data Link

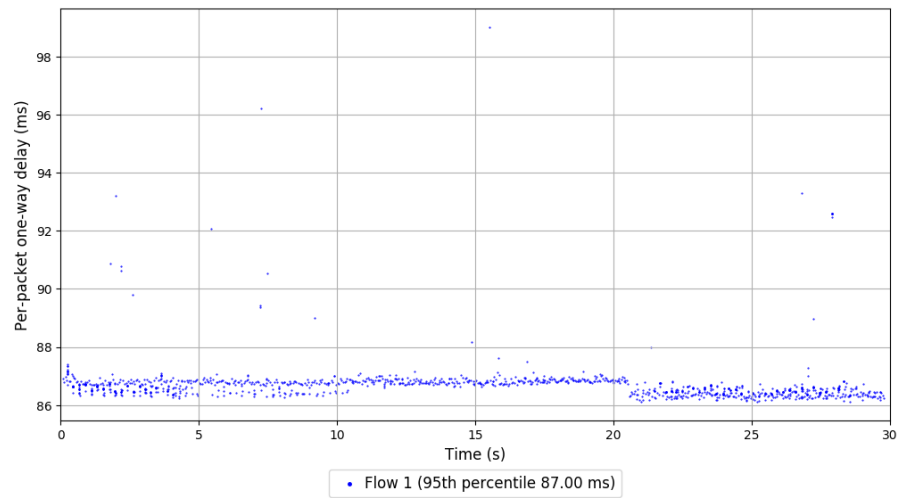
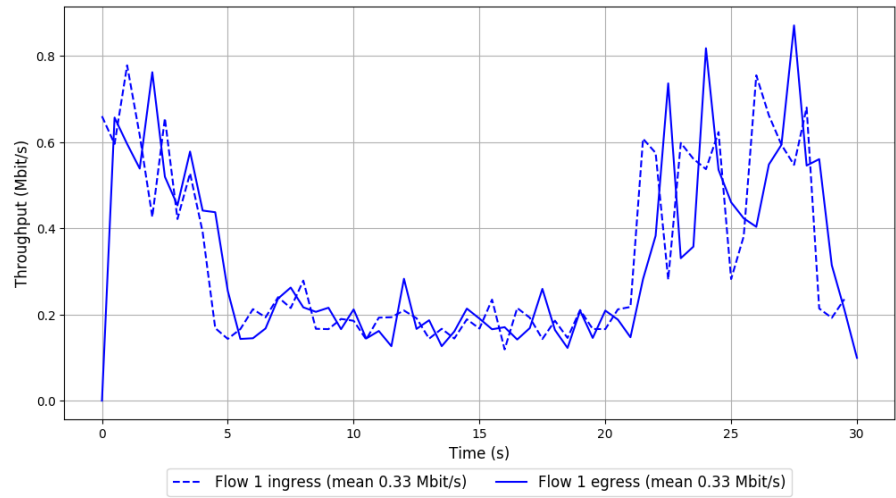


Run 8: Statistics of Sprout

Start at: 2018-07-24 23:05:08
End at: 2018-07-24 23:05:38
Local clock offset: 0.046 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-25 01:16:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 87.004 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 87.004 ms
Loss rate: 0.71%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-07-24 23:26:38

End at: 2018-07-24 23:27:08

Local clock offset: 0.121 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-25 01:16:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 86.578 ms

Loss rate: 0.44%

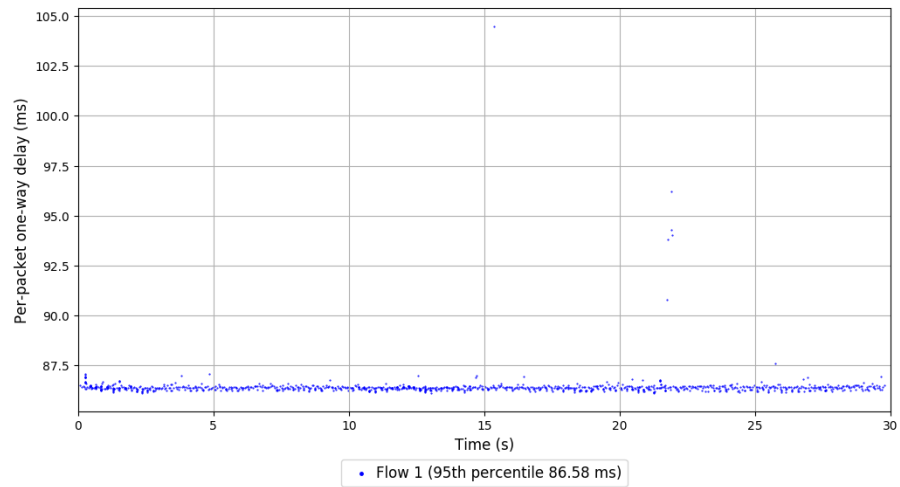
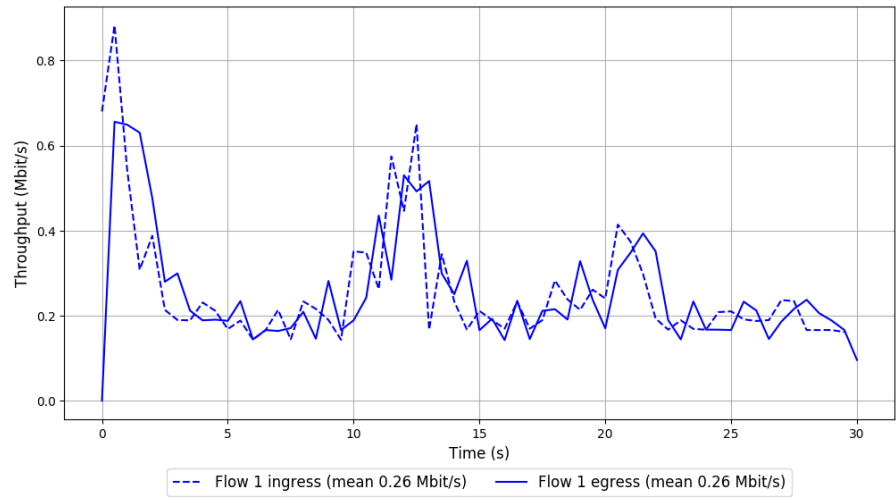
-- Flow 1:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 86.578 ms

Loss rate: 0.44%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-24 23:48:31

End at: 2018-07-24 23:49:01

Local clock offset: -0.03 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-25 01:16:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 86.736 ms

Loss rate: 0.29%

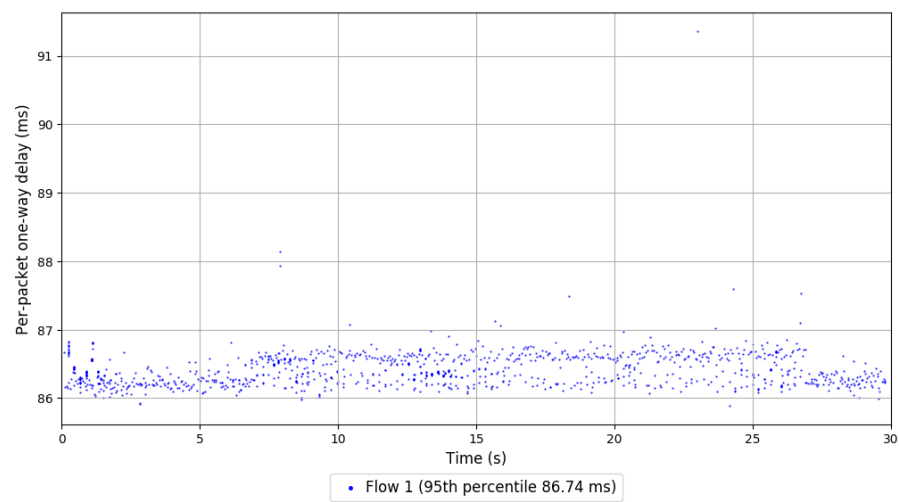
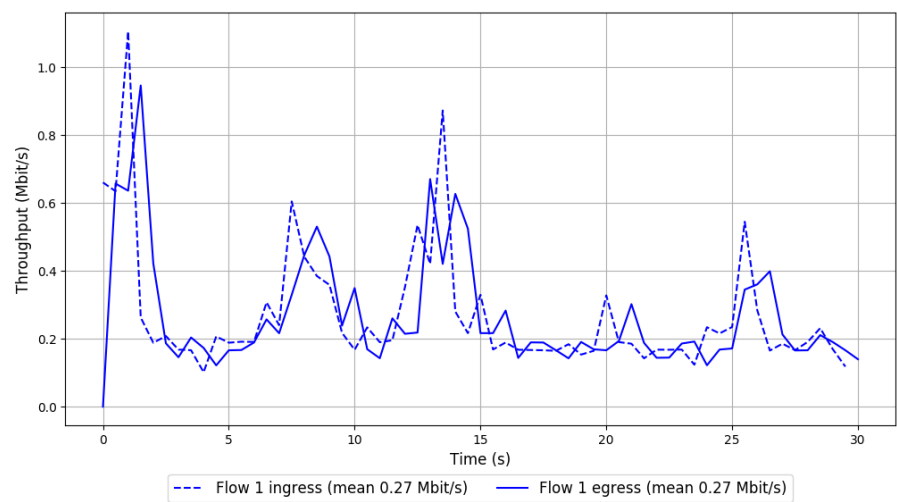
-- Flow 1:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 86.736 ms

Loss rate: 0.29%

Run 10: Report of Sprout — Data Link

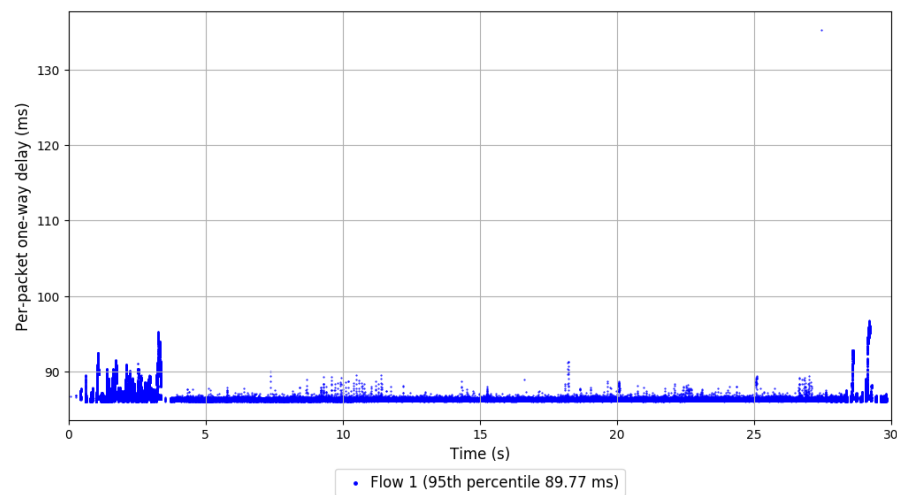
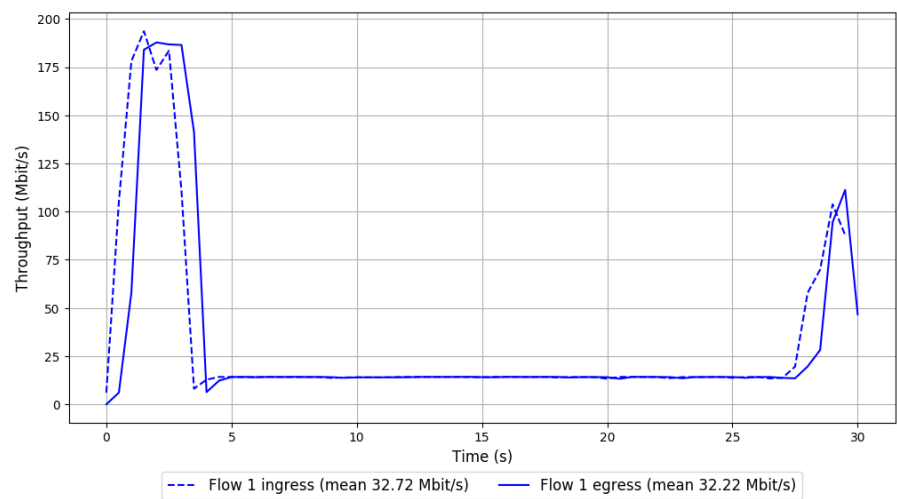


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-24 20:23:38
End at: 2018-07-24 20:24:08
Local clock offset: 0.079 ms
Remote clock offset: -0.225 ms

# Below is generated by plot.py at 2018-07-25 01:16:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.22 Mbit/s
95th percentile per-packet one-way delay: 89.766 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 32.22 Mbit/s
95th percentile per-packet one-way delay: 89.766 ms
Loss rate: 2.10%
```

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

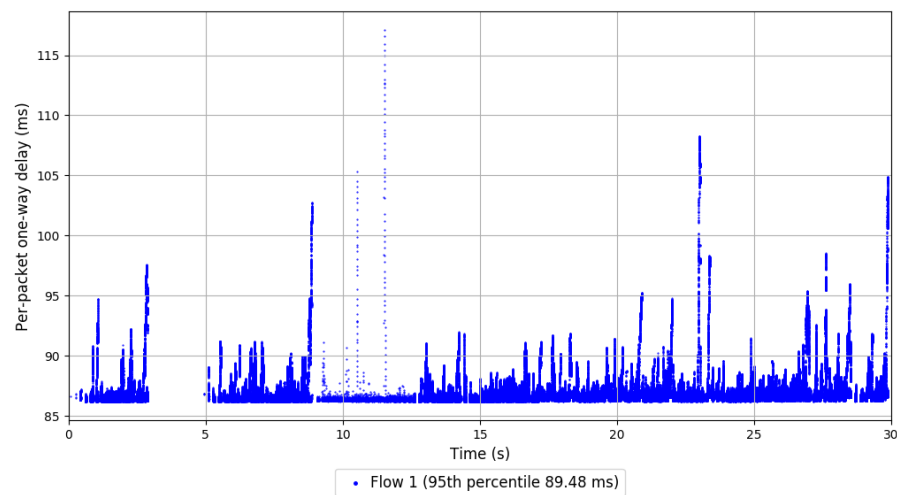
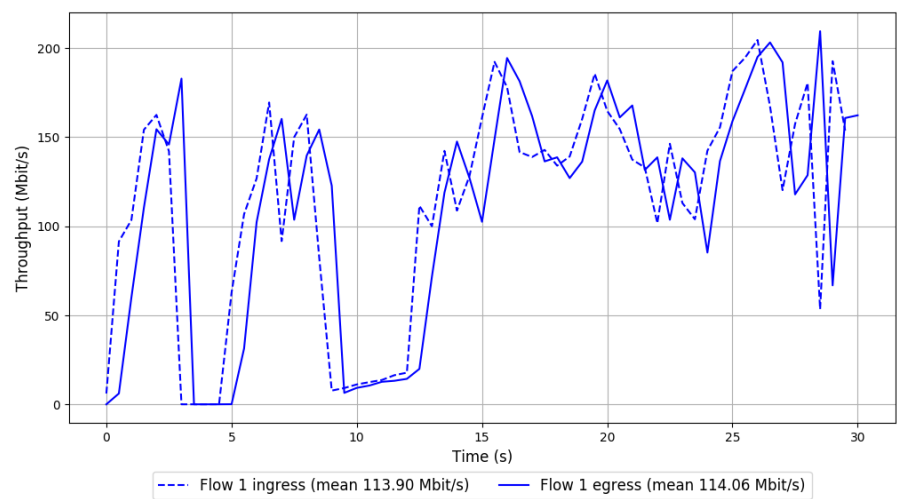


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-24 20:44:31
End at: 2018-07-24 20:45:01
Local clock offset: 0.211 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-07-25 01:17:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 114.06 Mbit/s
95th percentile per-packet one-way delay: 89.484 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 114.06 Mbit/s
95th percentile per-packet one-way delay: 89.484 ms
Loss rate: 0.39%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-24 21:06:22

End at: 2018-07-24 21:06:52

Local clock offset: 0.052 ms

Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-25 01:18:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 139.00 Mbit/s

95th percentile per-packet one-way delay: 88.911 ms

Loss rate: 0.67%

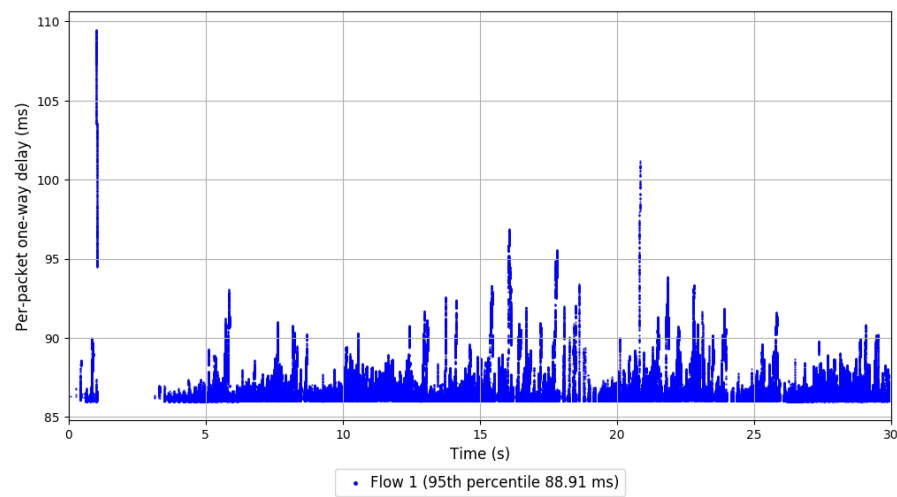
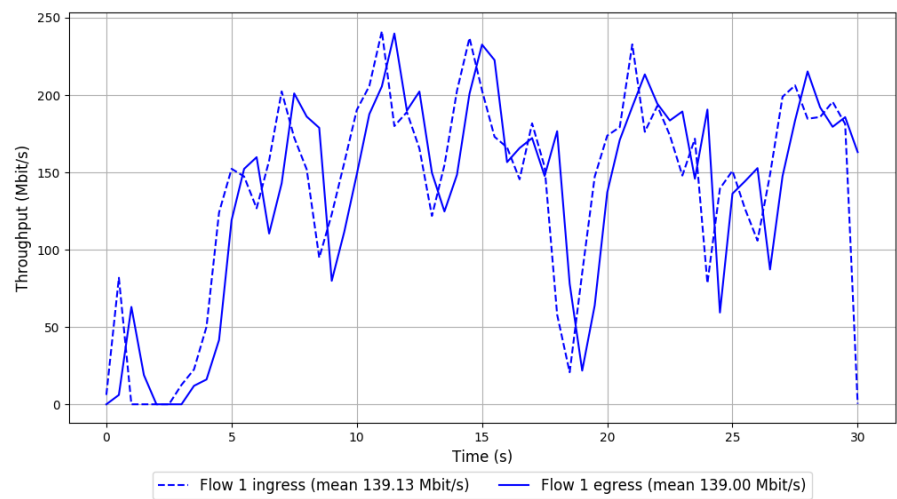
-- Flow 1:

Average throughput: 139.00 Mbit/s

95th percentile per-packet one-way delay: 88.911 ms

Loss rate: 0.67%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-24 21:28:03

End at: 2018-07-24 21:28:33

Local clock offset: 0.006 ms

Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-07-25 01:19:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 140.96 Mbit/s

95th percentile per-packet one-way delay: 88.606 ms

Loss rate: 0.93%

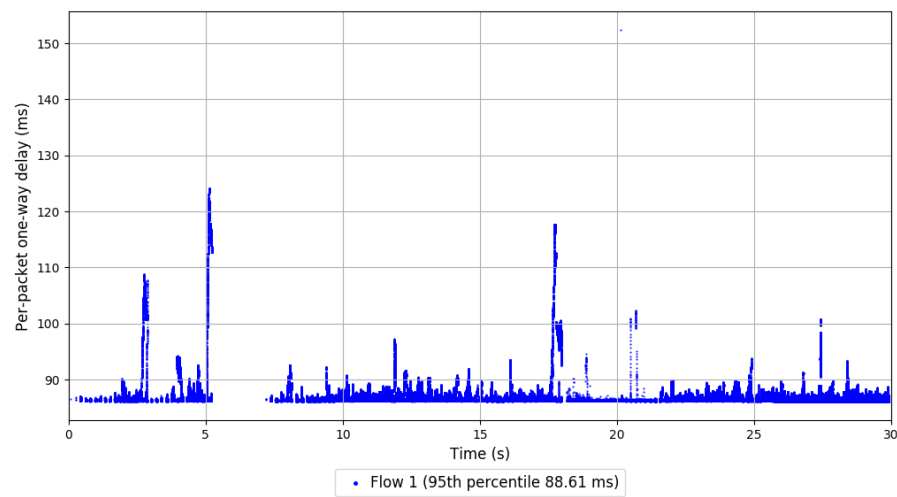
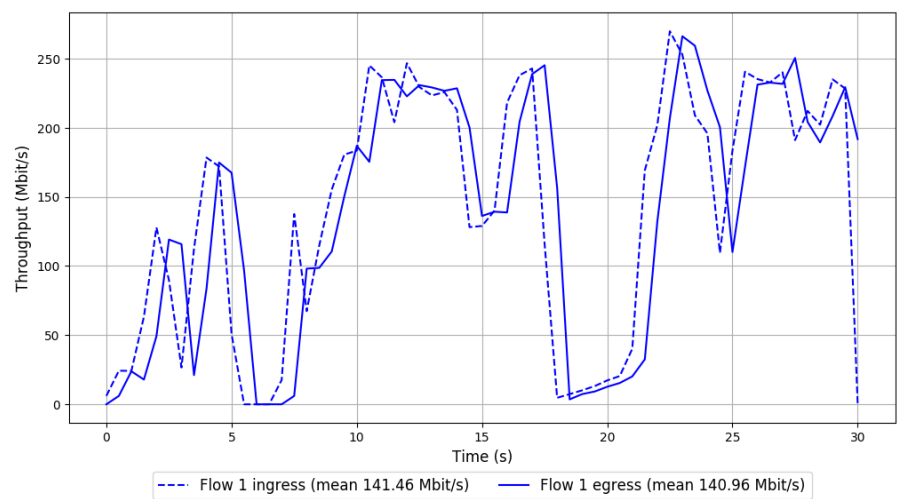
-- Flow 1:

Average throughput: 140.96 Mbit/s

95th percentile per-packet one-way delay: 88.606 ms

Loss rate: 0.93%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-24 21:49:52

End at: 2018-07-24 21:50:22

Local clock offset: -0.069 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-25 01:19:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.39 Mbit/s

95th percentile per-packet one-way delay: 88.248 ms

Loss rate: 0.92%

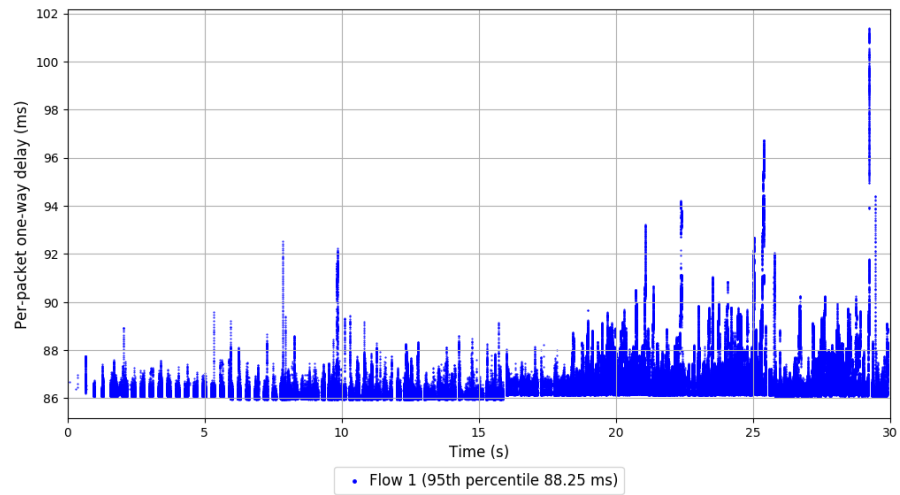
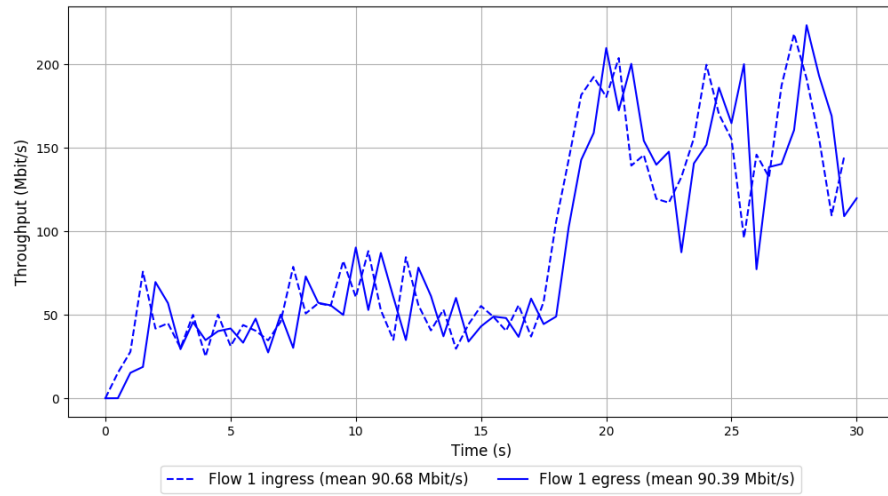
-- Flow 1:

Average throughput: 90.39 Mbit/s

95th percentile per-packet one-way delay: 88.248 ms

Loss rate: 0.92%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-24 22:11:22

End at: 2018-07-24 22:11:52

Local clock offset: -0.168 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2018-07-25 01:19:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.07 Mbit/s

95th percentile per-packet one-way delay: 90.676 ms

Loss rate: 0.56%

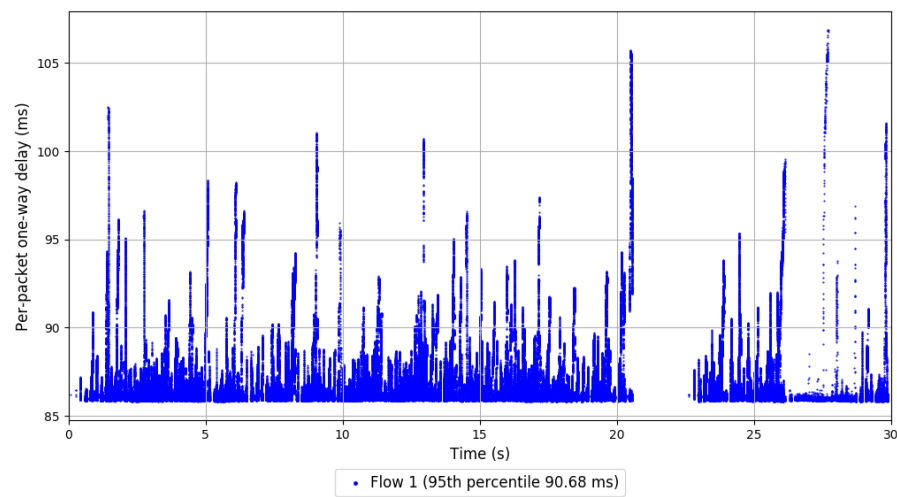
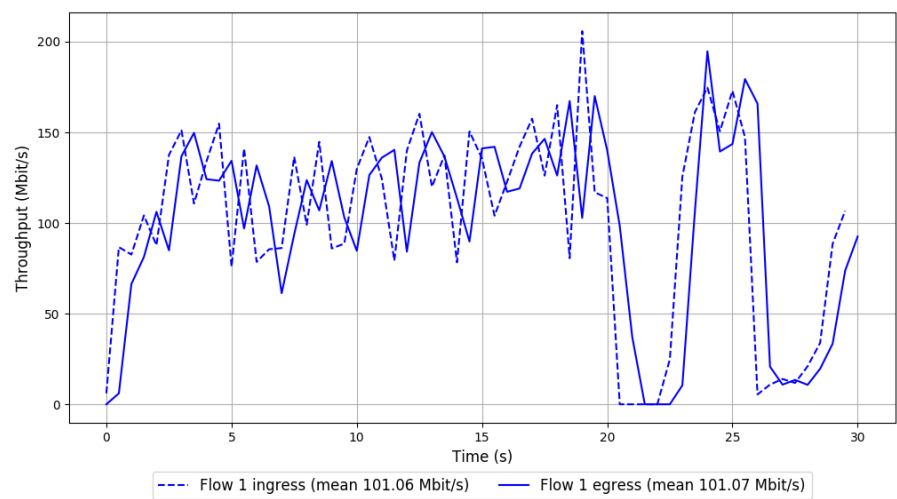
-- Flow 1:

Average throughput: 101.07 Mbit/s

95th percentile per-packet one-way delay: 90.676 ms

Loss rate: 0.56%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-24 22:33:16

End at: 2018-07-24 22:33:46

Local clock offset: 0.044 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-25 01:19:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 125.68 Mbit/s

95th percentile per-packet one-way delay: 89.553 ms

Loss rate: 0.53%

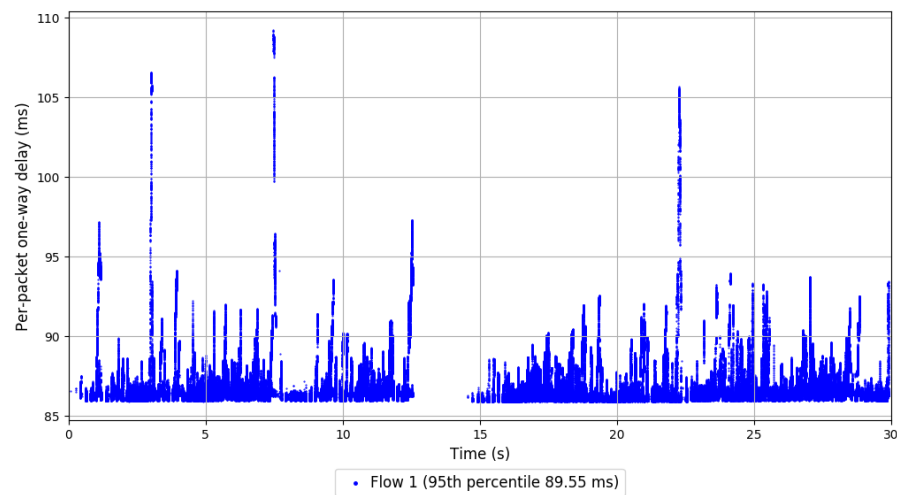
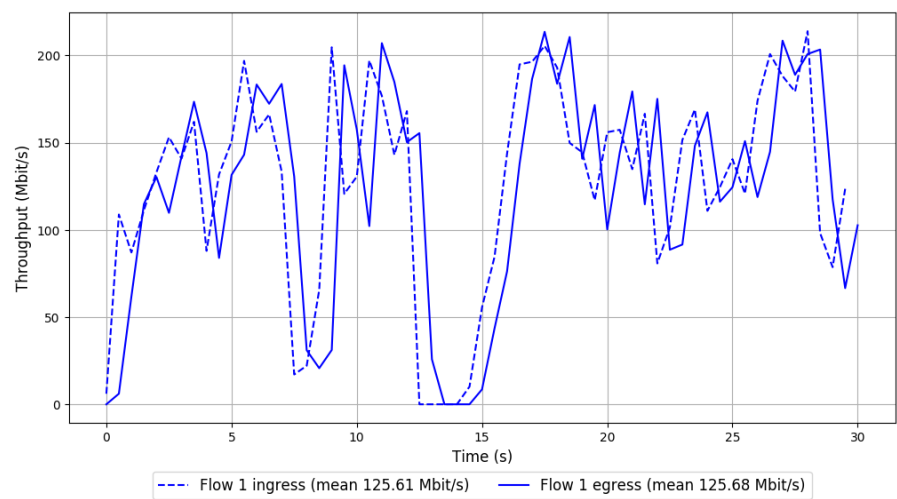
-- Flow 1:

Average throughput: 125.68 Mbit/s

95th percentile per-packet one-way delay: 89.553 ms

Loss rate: 0.53%

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

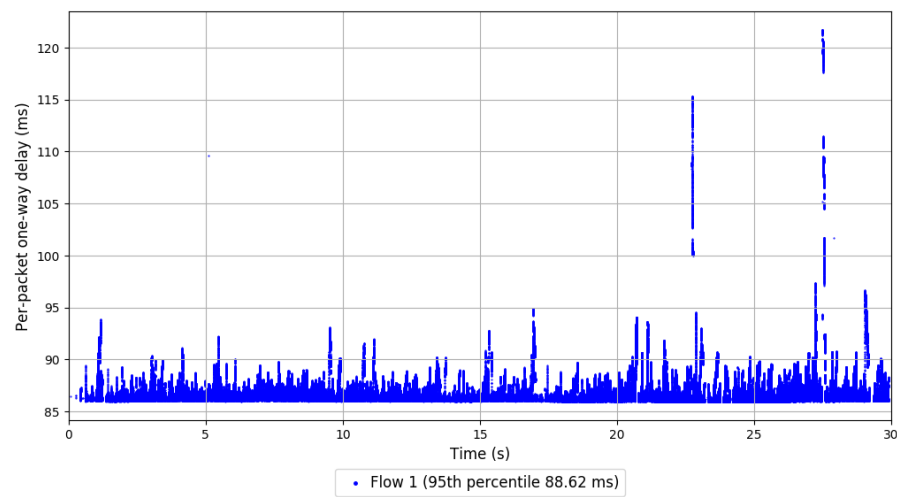
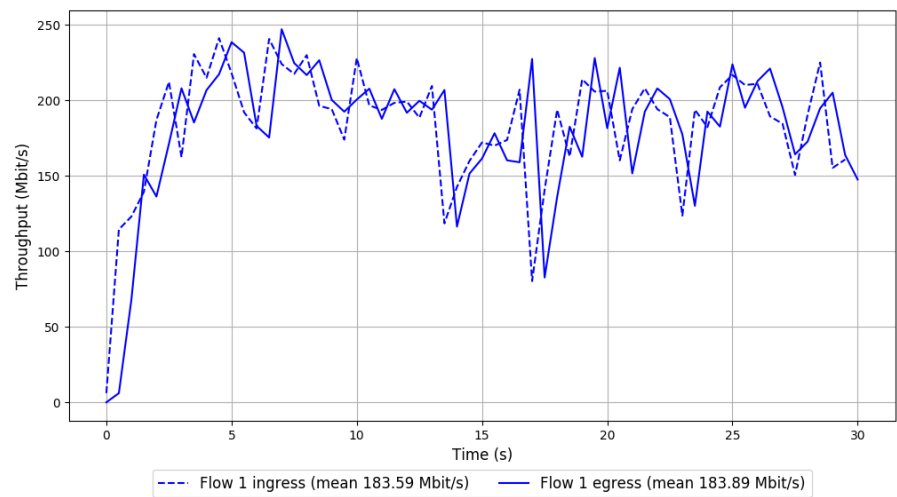


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-24 22:55:00
End at: 2018-07-24 22:55:30
Local clock offset: -0.022 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-07-25 01:23:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 183.89 Mbit/s
95th percentile per-packet one-way delay: 88.623 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 183.89 Mbit/s
95th percentile per-packet one-way delay: 88.623 ms
Loss rate: 0.42%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-24 23:17:02

End at: 2018-07-24 23:17:32

Local clock offset: 0.078 ms

Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-25 01:23:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 150.56 Mbit/s

95th percentile per-packet one-way delay: 89.552 ms

Loss rate: 0.66%

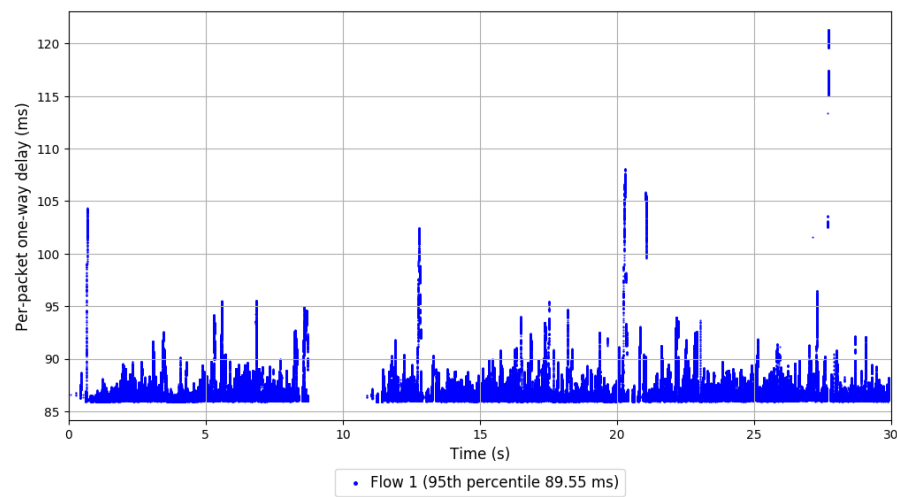
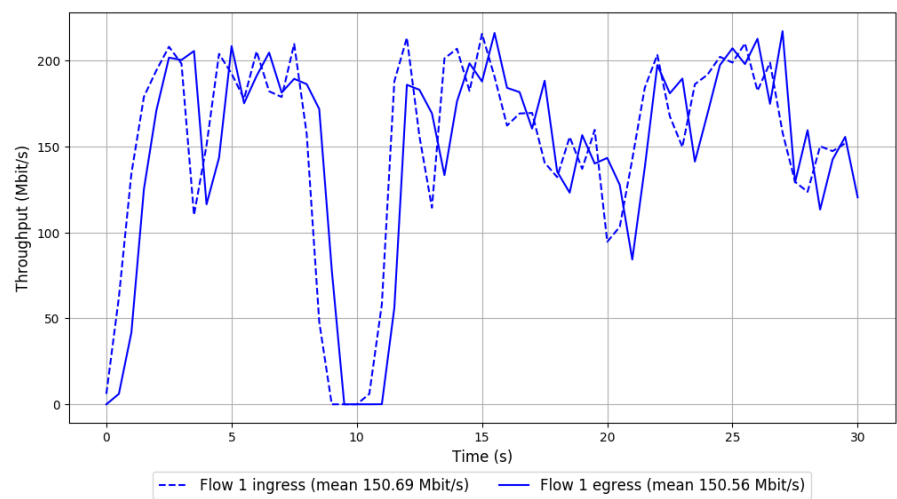
-- Flow 1:

Average throughput: 150.56 Mbit/s

95th percentile per-packet one-way delay: 89.552 ms

Loss rate: 0.66%

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

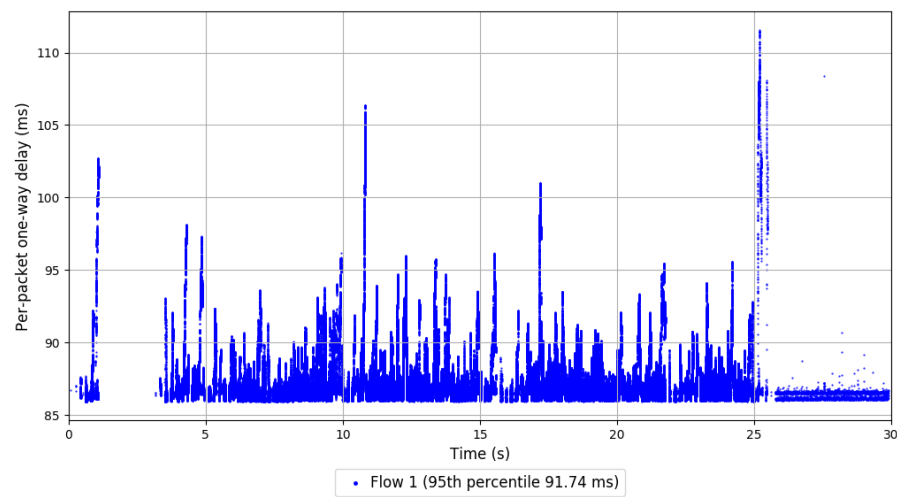
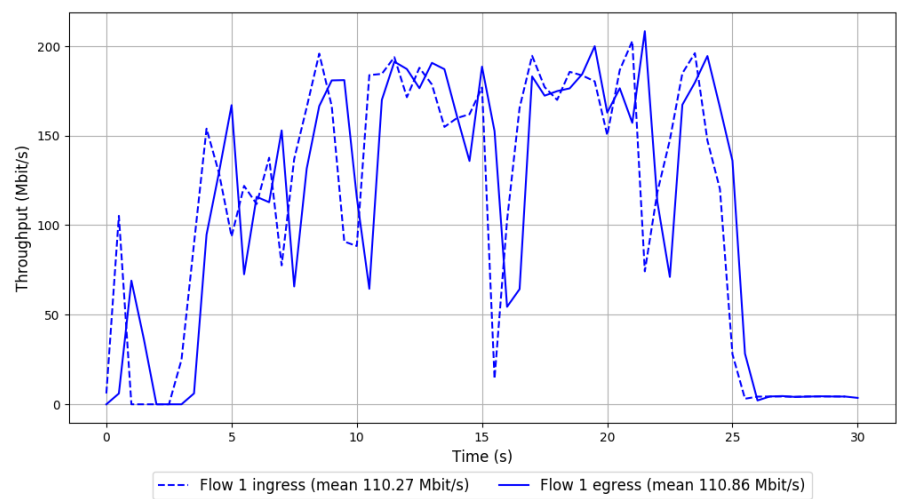


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-07-24 23:38:24
End at: 2018-07-24 23:38:54
Local clock offset: 0.09 ms
Remote clock offset: -0.023 ms

# Below is generated by plot.py at 2018-07-25 01:23:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 110.86 Mbit/s
95th percentile per-packet one-way delay: 91.744 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 110.86 Mbit/s
95th percentile per-packet one-way delay: 91.744 ms
Loss rate: 0.02%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-24 20:28:22

End at: 2018-07-24 20:28:52

Local clock offset: 0.069 ms

Remote clock offset: -0.163 ms

Below is generated by plot.py at 2018-07-25 01:23:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.78 Mbit/s

95th percentile per-packet one-way delay: 98.929 ms

Loss rate: 0.64%

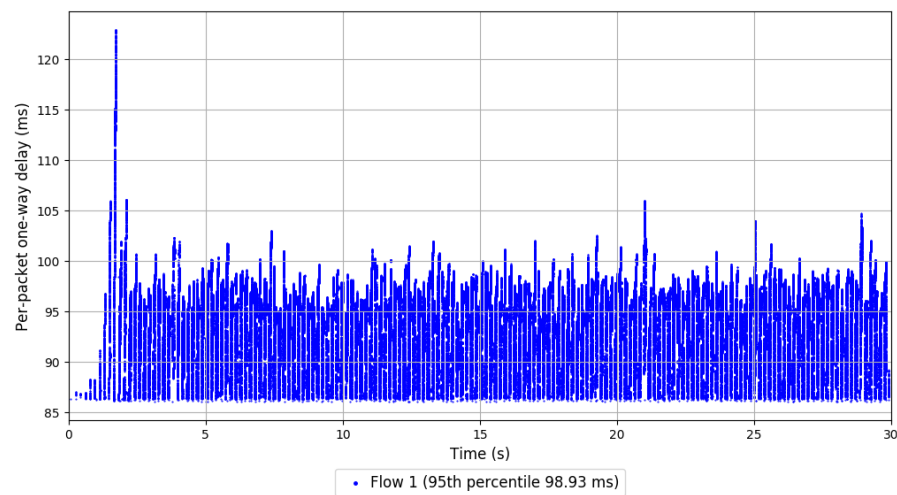
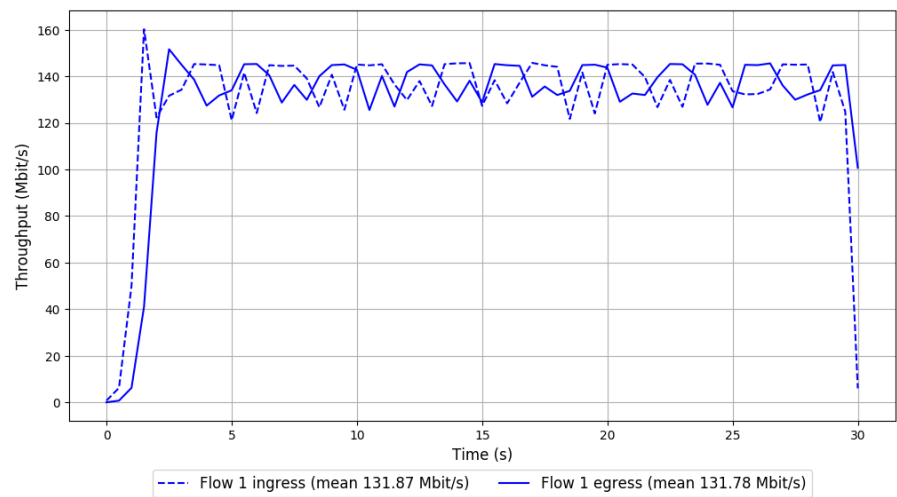
-- Flow 1:

Average throughput: 131.78 Mbit/s

95th percentile per-packet one-way delay: 98.929 ms

Loss rate: 0.64%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-24 20:49:25

End at: 2018-07-24 20:49:55

Local clock offset: -0.091 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-25 01:23:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 103.63 Mbit/s

95th percentile per-packet one-way delay: 88.402 ms

Loss rate: 0.61%

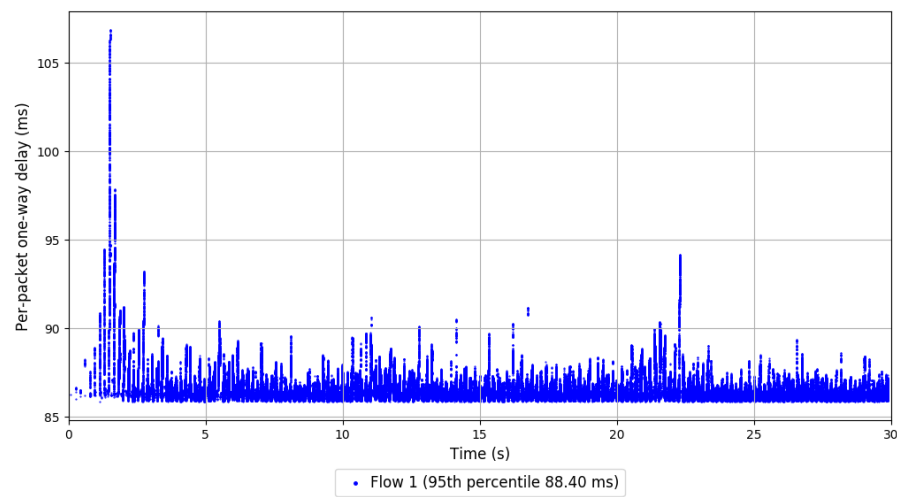
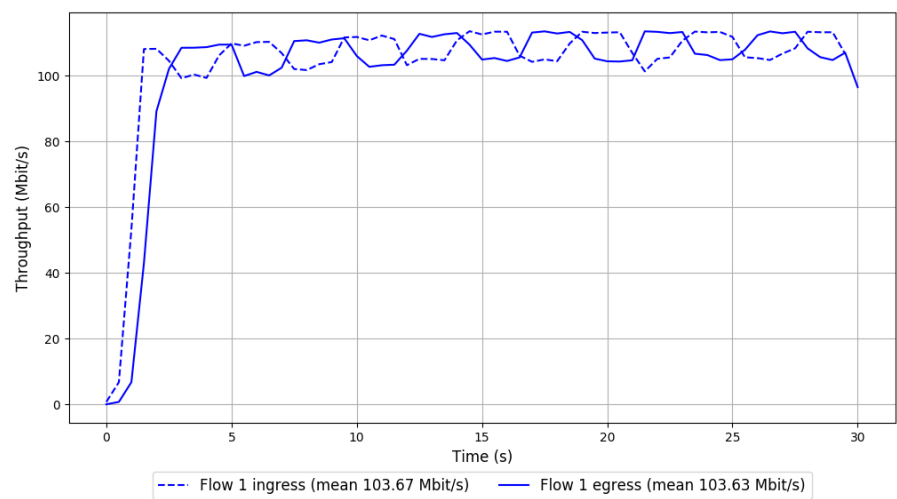
-- Flow 1:

Average throughput: 103.63 Mbit/s

95th percentile per-packet one-way delay: 88.402 ms

Loss rate: 0.61%

Run 2: Report of TCP Vegas — Data Link

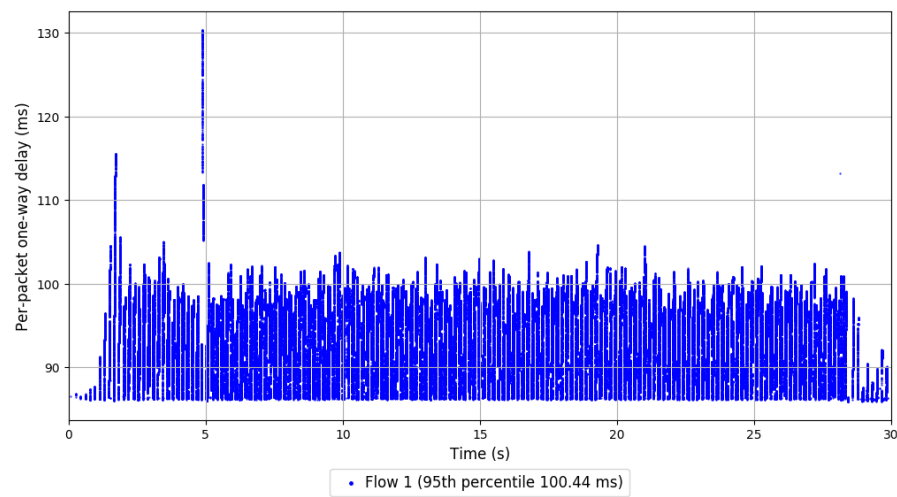
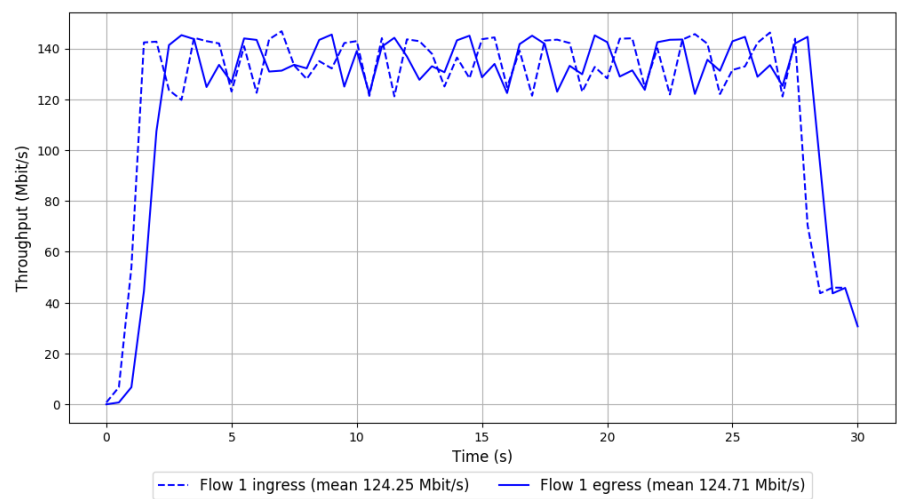


Run 3: Statistics of TCP Vegas

Start at: 2018-07-24 21:11:18
End at: 2018-07-24 21:11:48
Local clock offset: -0.138 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-25 01:23:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 124.71 Mbit/s
95th percentile per-packet one-way delay: 100.440 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 124.71 Mbit/s
95th percentile per-packet one-way delay: 100.440 ms
Loss rate: 0.21%

Run 3: Report of TCP Vegas — Data Link

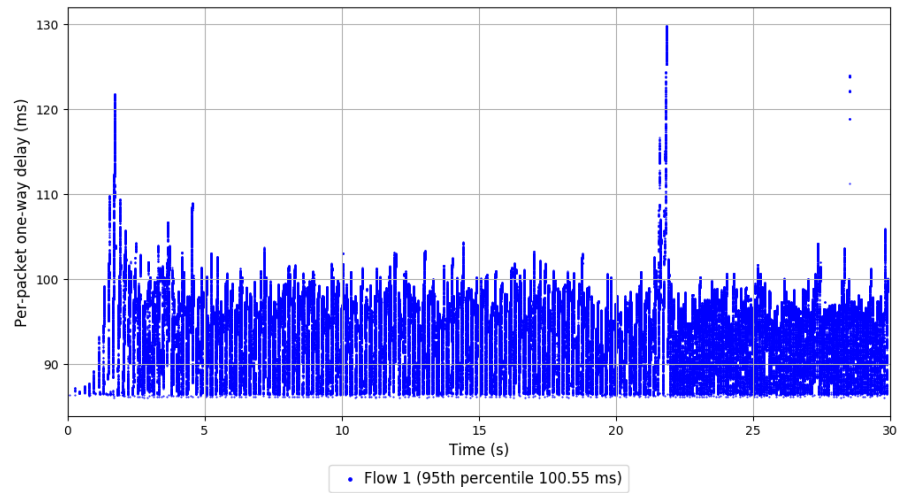
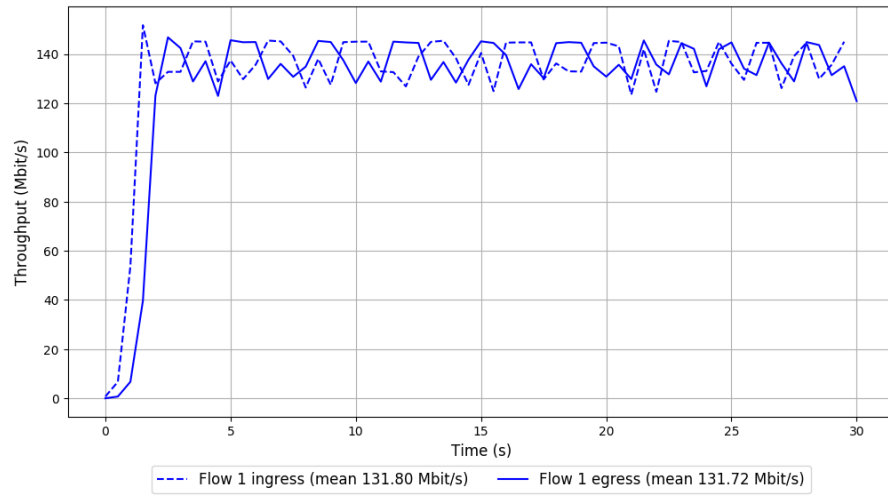


Run 4: Statistics of TCP Vegas

Start at: 2018-07-24 21:32:59
End at: 2018-07-24 21:33:29
Local clock offset: 0.015 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-25 01:23:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 131.72 Mbit/s
95th percentile per-packet one-way delay: 100.545 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 131.72 Mbit/s
95th percentile per-packet one-way delay: 100.545 ms
Loss rate: 0.61%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-24 21:54:44

End at: 2018-07-24 21:55:14

Local clock offset: -0.309 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-25 01:23:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 126.35 Mbit/s

95th percentile per-packet one-way delay: 99.241 ms

Loss rate: 0.24%

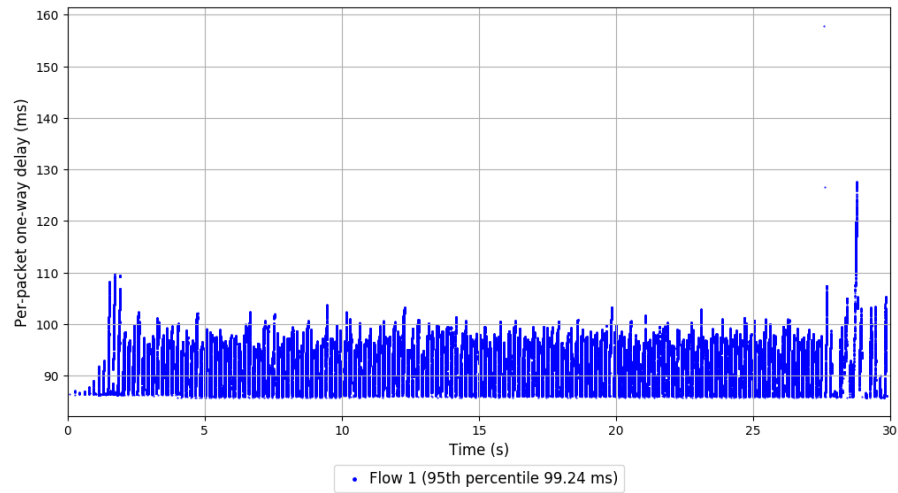
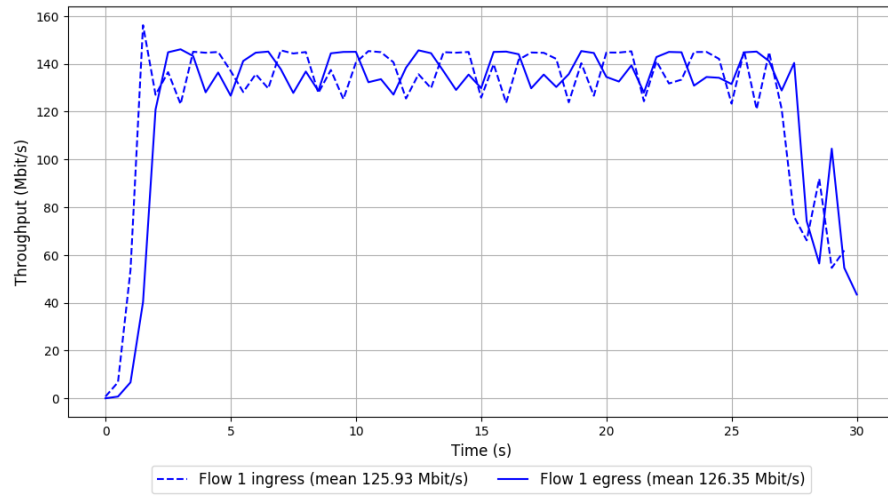
-- Flow 1:

Average throughput: 126.35 Mbit/s

95th percentile per-packet one-way delay: 99.241 ms

Loss rate: 0.24%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-24 22:16:13

End at: 2018-07-24 22:16:43

Local clock offset: -0.005 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-07-25 01:23:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 127.50 Mbit/s

95th percentile per-packet one-way delay: 101.755 ms

Loss rate: 0.20%

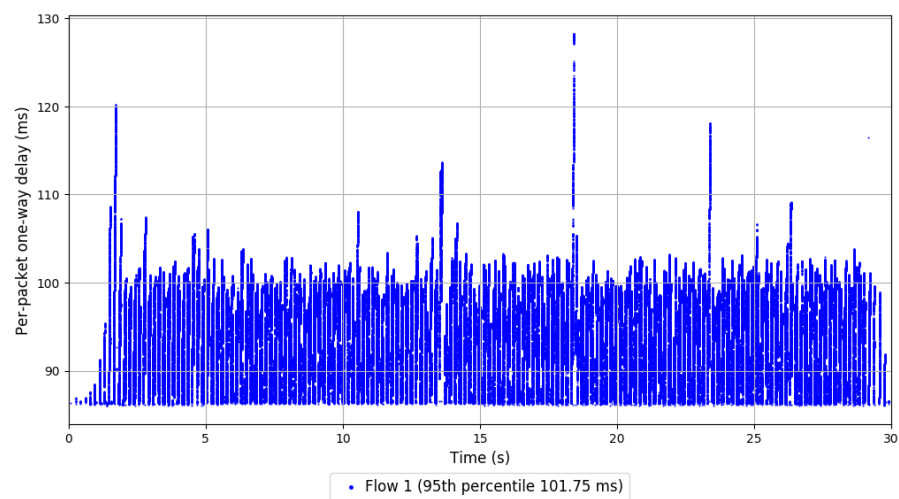
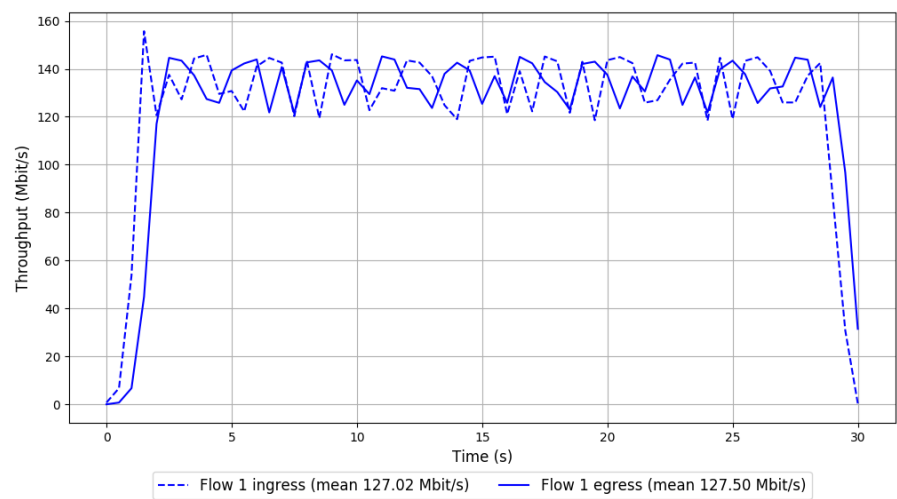
-- Flow 1:

Average throughput: 127.50 Mbit/s

95th percentile per-packet one-way delay: 101.755 ms

Loss rate: 0.20%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-24 22:38:10

End at: 2018-07-24 22:38:40

Local clock offset: 0.054 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-25 01:23:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 98.20 Mbit/s

95th percentile per-packet one-way delay: 99.793 ms

Loss rate: 0.72%

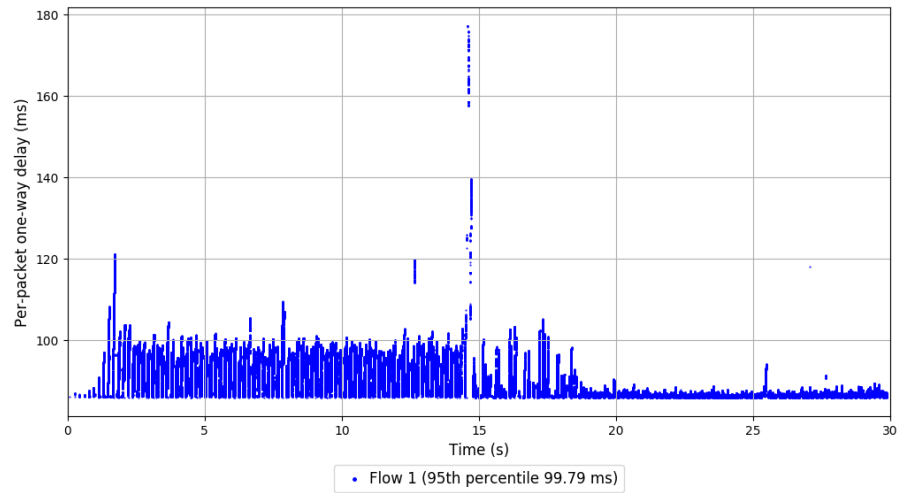
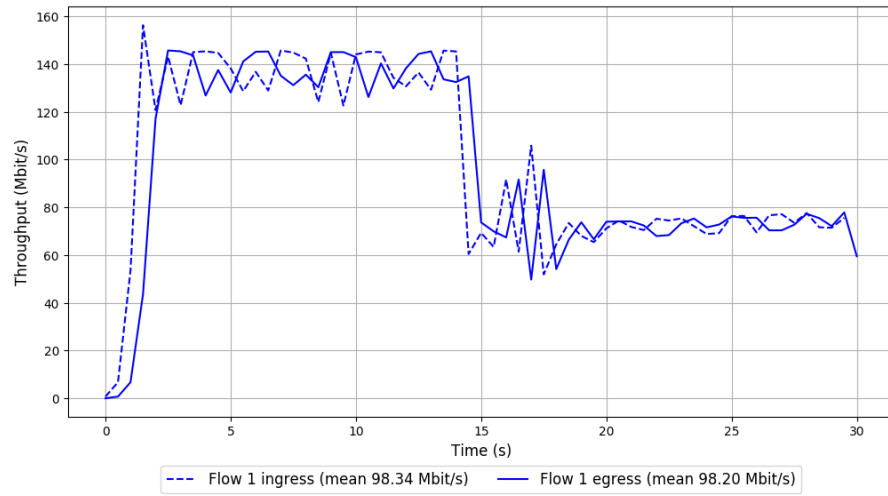
-- Flow 1:

Average throughput: 98.20 Mbit/s

95th percentile per-packet one-way delay: 99.793 ms

Loss rate: 0.72%

Run 7: Report of TCP Vegas — Data Link

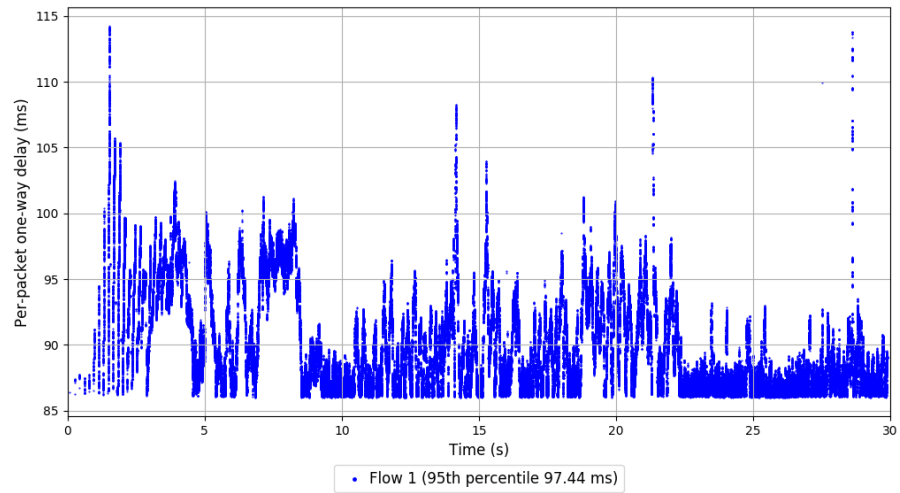
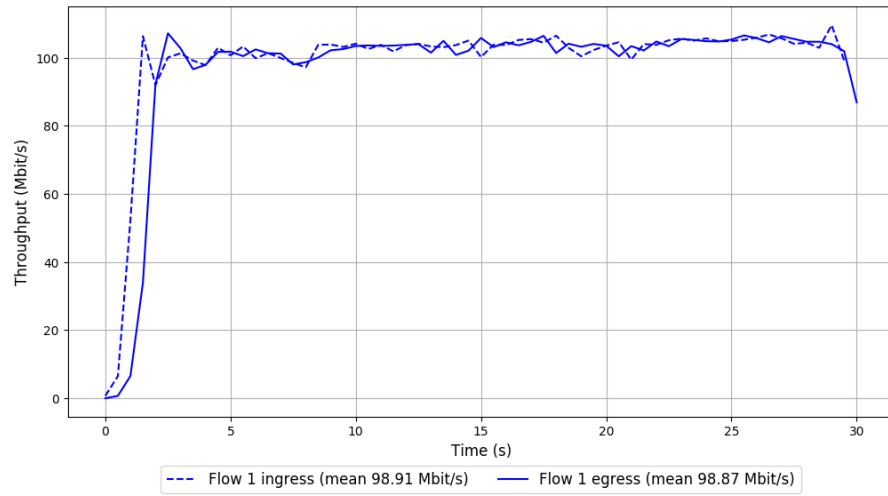


Run 8: Statistics of TCP Vegas

Start at: 2018-07-24 23:00:02
End at: 2018-07-24 23:00:32
Local clock offset: -0.013 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-25 01:24:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 98.87 Mbit/s
95th percentile per-packet one-way delay: 97.438 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 98.87 Mbit/s
95th percentile per-packet one-way delay: 97.438 ms
Loss rate: 0.62%

Run 8: Report of TCP Vegas — Data Link

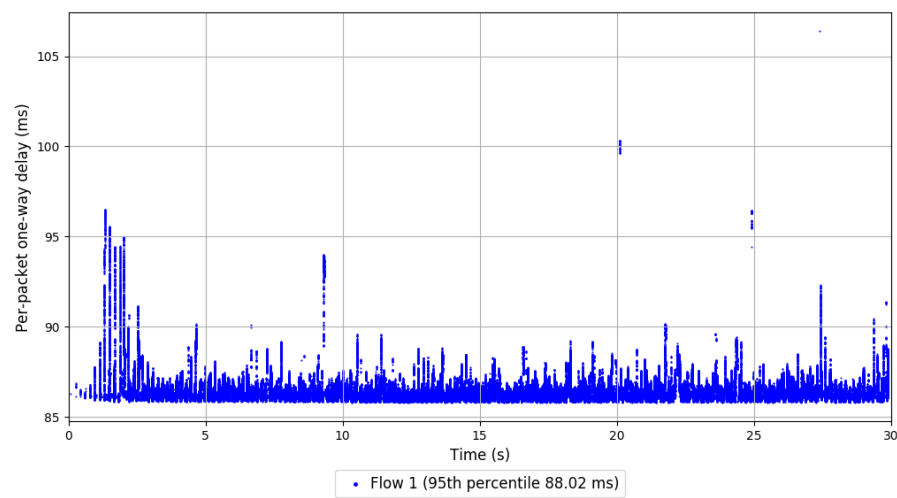
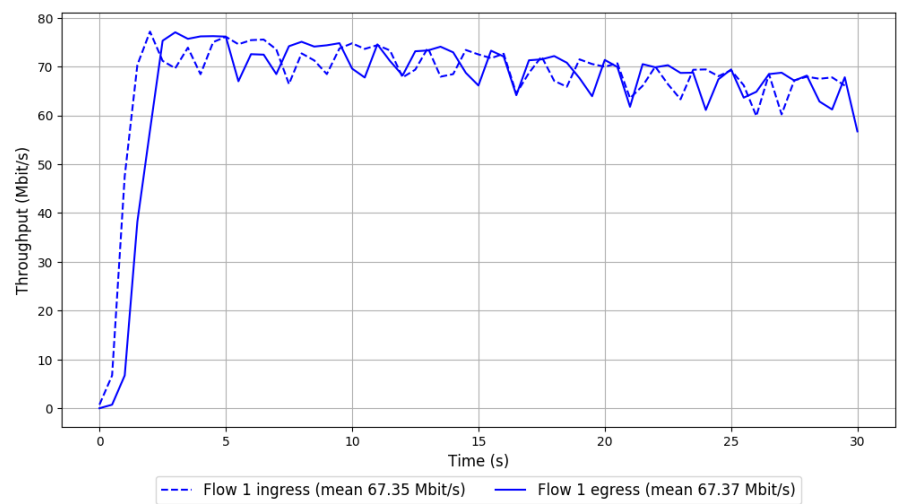


Run 9: Statistics of TCP Vegas

Start at: 2018-07-24 23:21:58
End at: 2018-07-24 23:22:28
Local clock offset: -0.043 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-25 01:24:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.37 Mbit/s
95th percentile per-packet one-way delay: 88.023 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 67.37 Mbit/s
95th percentile per-packet one-way delay: 88.023 ms
Loss rate: 0.56%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-24 23:43:20

End at: 2018-07-24 23:43:50

Local clock offset: 0.1 ms

Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-25 01:25:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.37 Mbit/s

95th percentile per-packet one-way delay: 99.449 ms

Loss rate: 0.66%

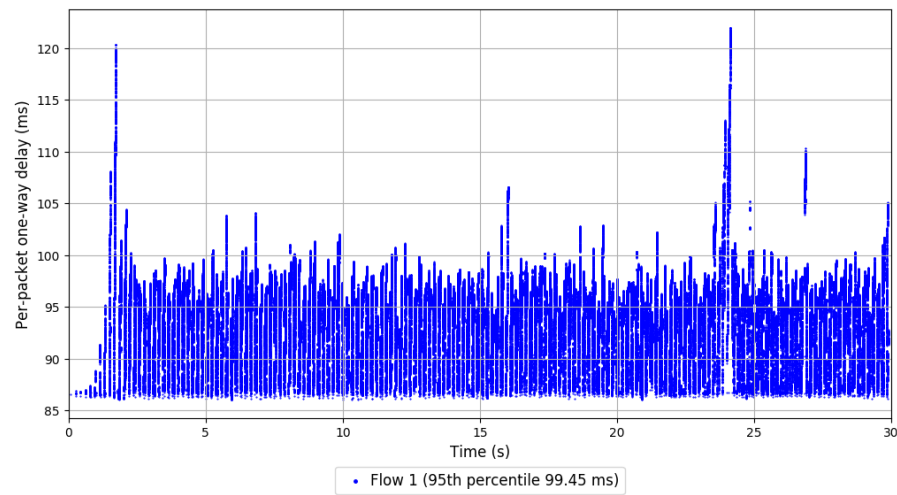
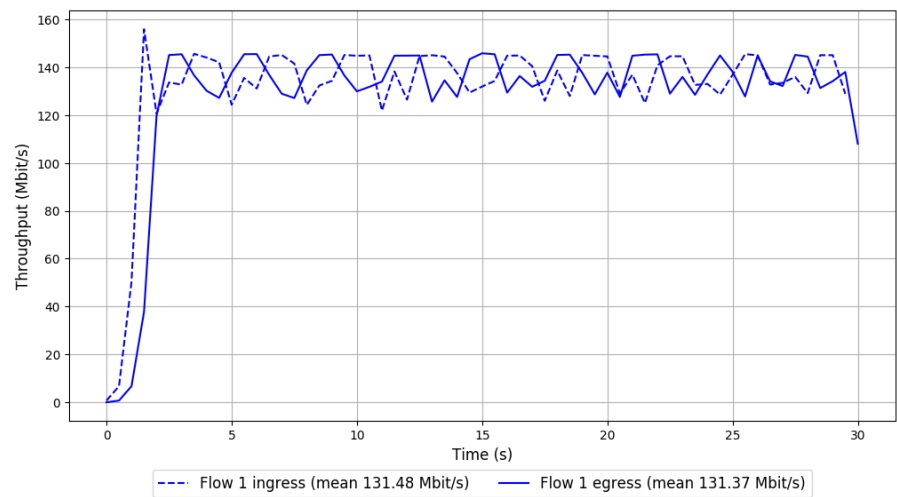
-- Flow 1:

Average throughput: 131.37 Mbit/s

95th percentile per-packet one-way delay: 99.449 ms

Loss rate: 0.66%

Run 10: Report of TCP Vegas — Data Link

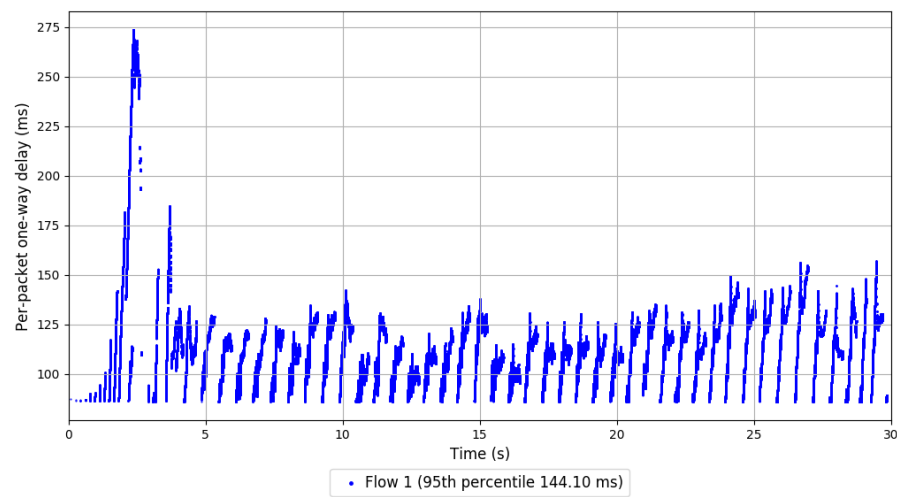
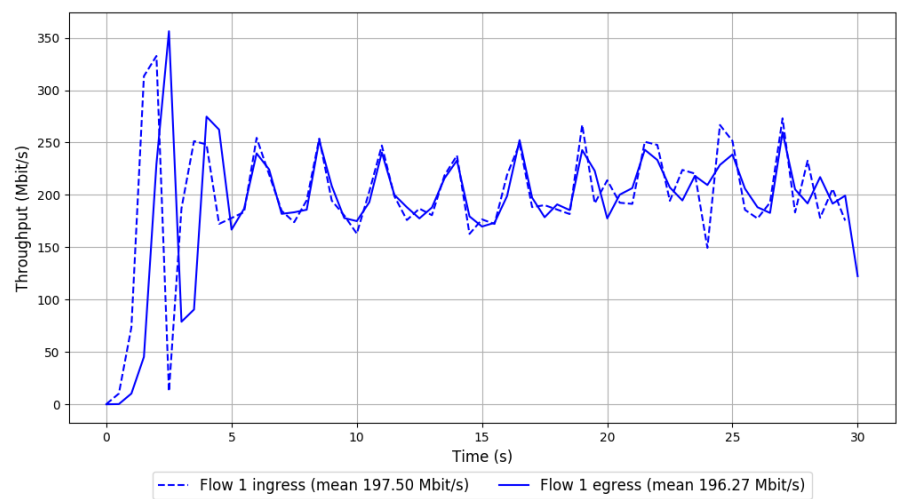


Run 1: Statistics of Verus

Start at: 2018-07-24 20:19:46
End at: 2018-07-24 20:20:16
Local clock offset: -0.113 ms
Remote clock offset: -0.193 ms

Below is generated by plot.py at 2018-07-25 01:27:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 196.27 Mbit/s
95th percentile per-packet one-way delay: 144.104 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 196.27 Mbit/s
95th percentile per-packet one-way delay: 144.104 ms
Loss rate: 1.20%

Run 1: Report of Verus — Data Link

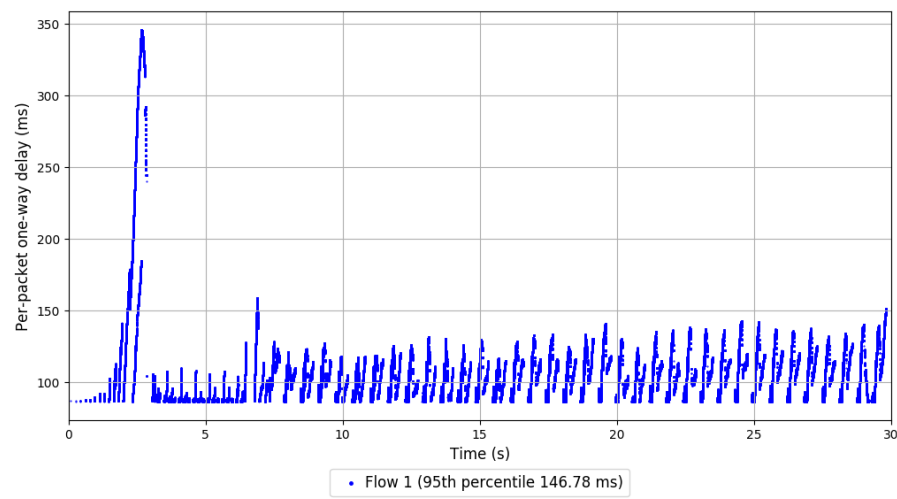
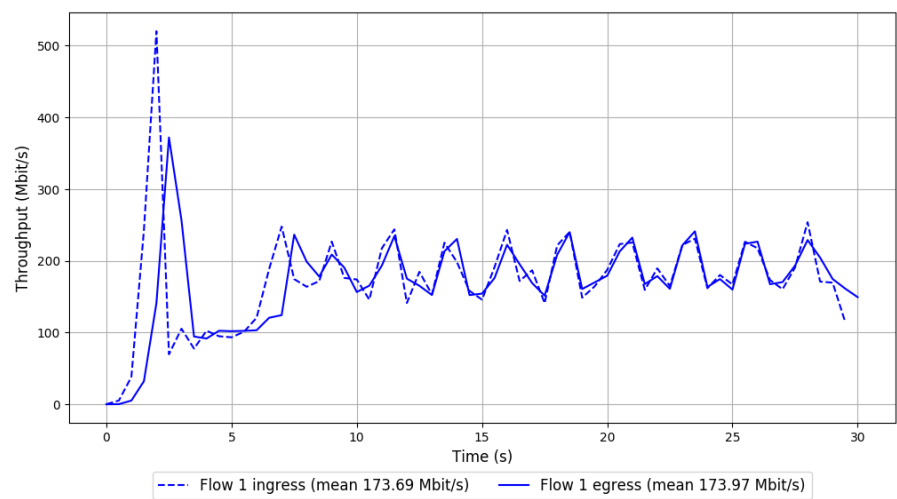


Run 2: Statistics of Verus

Start at: 2018-07-24 20:40:39
End at: 2018-07-24 20:41:09
Local clock offset: 0.176 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-07-25 01:27:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 173.97 Mbit/s
95th percentile per-packet one-way delay: 146.781 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 173.97 Mbit/s
95th percentile per-packet one-way delay: 146.781 ms
Loss rate: 0.65%

Run 2: Report of Verus — Data Link

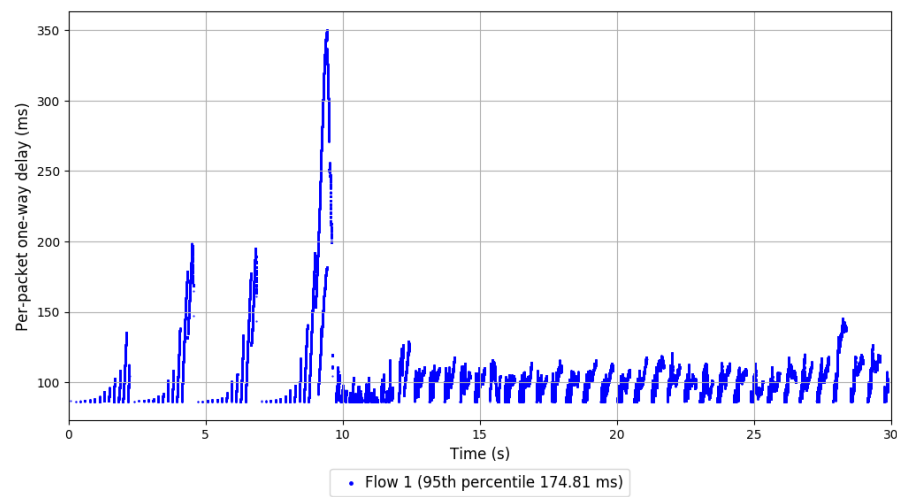
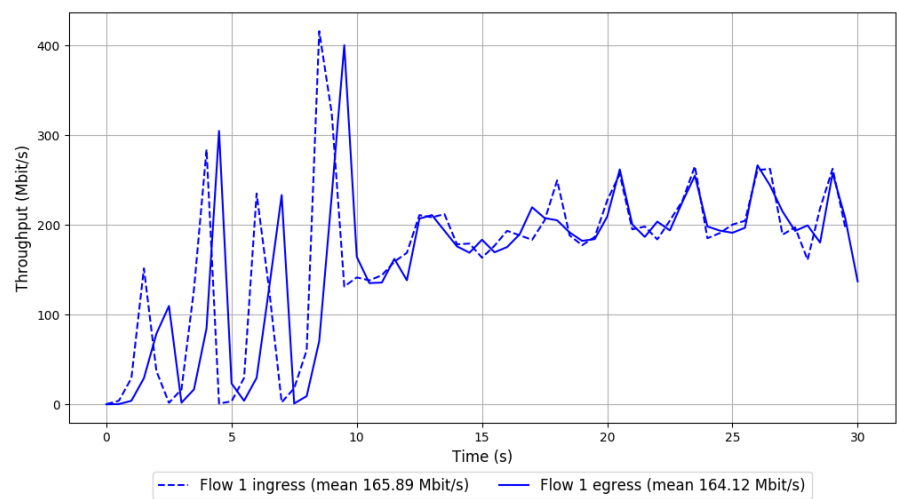


Run 3: Statistics of Verus

Start at: 2018-07-24 21:02:29
End at: 2018-07-24 21:02:59
Local clock offset: 0.092 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-07-25 01:27:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 164.12 Mbit/s
95th percentile per-packet one-way delay: 174.806 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 164.12 Mbit/s
95th percentile per-packet one-way delay: 174.806 ms
Loss rate: 1.64%

Run 3: Report of Verus — Data Link

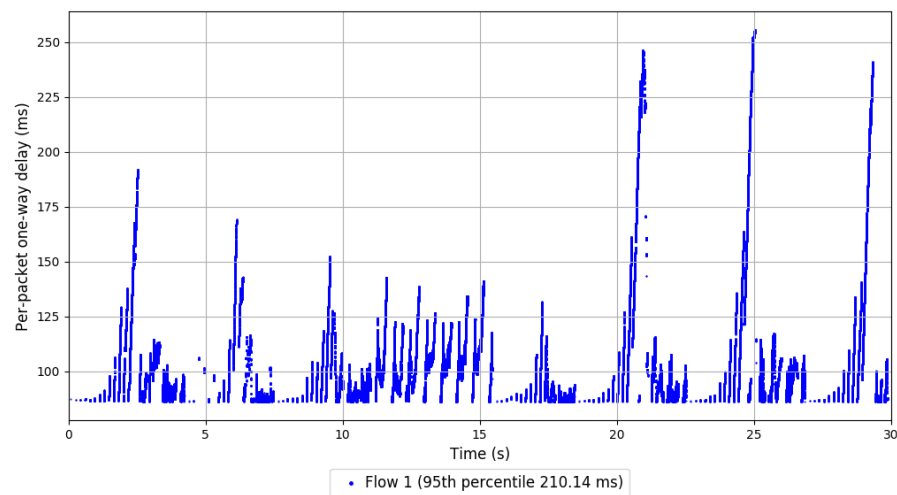
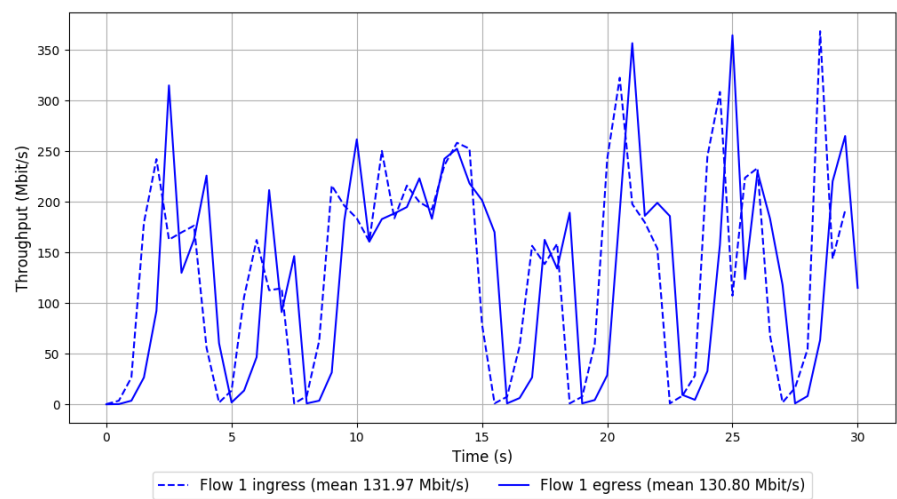


Run 4: Statistics of Verus

Start at: 2018-07-24 21:24:16
End at: 2018-07-24 21:24:46
Local clock offset: -0.049 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-07-25 01:27:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 130.80 Mbit/s
95th percentile per-packet one-way delay: 210.144 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 130.80 Mbit/s
95th percentile per-packet one-way delay: 210.144 ms
Loss rate: 1.46%

Run 4: Report of Verus — Data Link

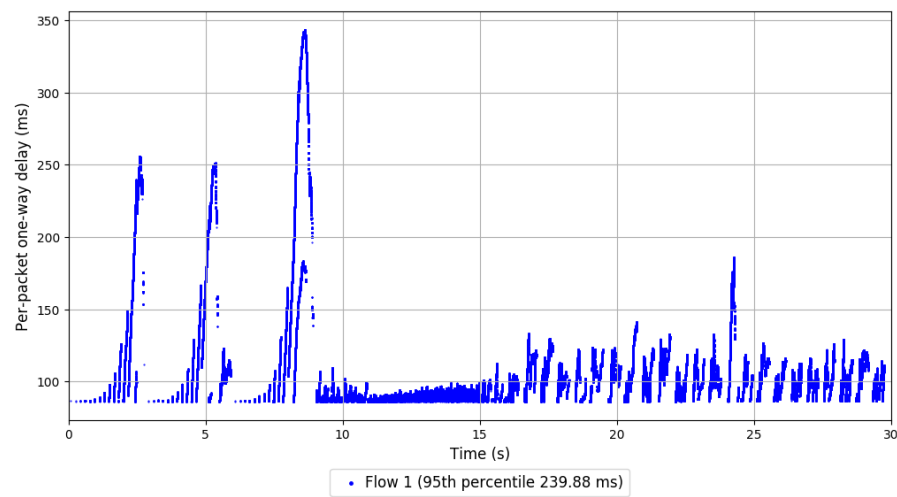
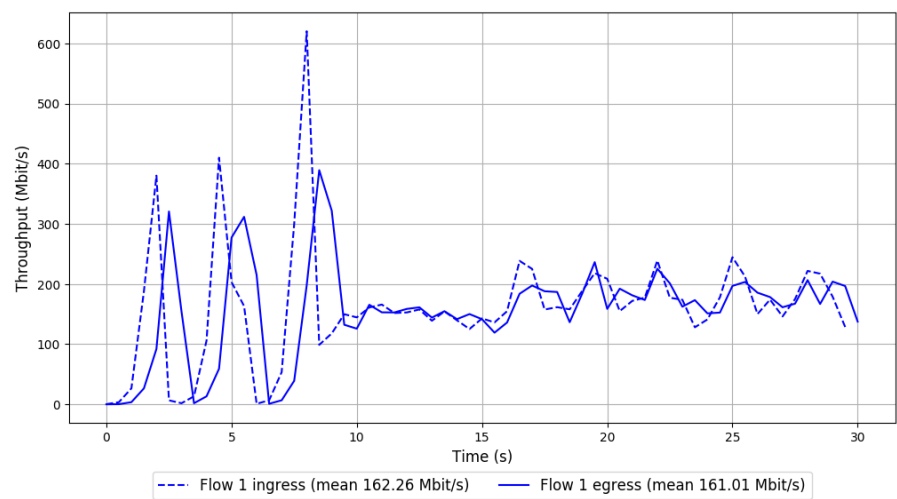


Run 5: Statistics of Verus

Start at: 2018-07-24 21:46:04
End at: 2018-07-24 21:46:34
Local clock offset: -0.14 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-07-25 01:27:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 161.01 Mbit/s
95th percentile per-packet one-way delay: 239.879 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 161.01 Mbit/s
95th percentile per-packet one-way delay: 239.879 ms
Loss rate: 1.70%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-24 22:07:35

End at: 2018-07-24 22:08:05

Local clock offset: -0.117 ms

Remote clock offset: -0.0 ms

Below is generated by plot.py at 2018-07-25 01:27:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.54 Mbit/s

95th percentile per-packet one-way delay: 142.778 ms

Loss rate: 1.45%

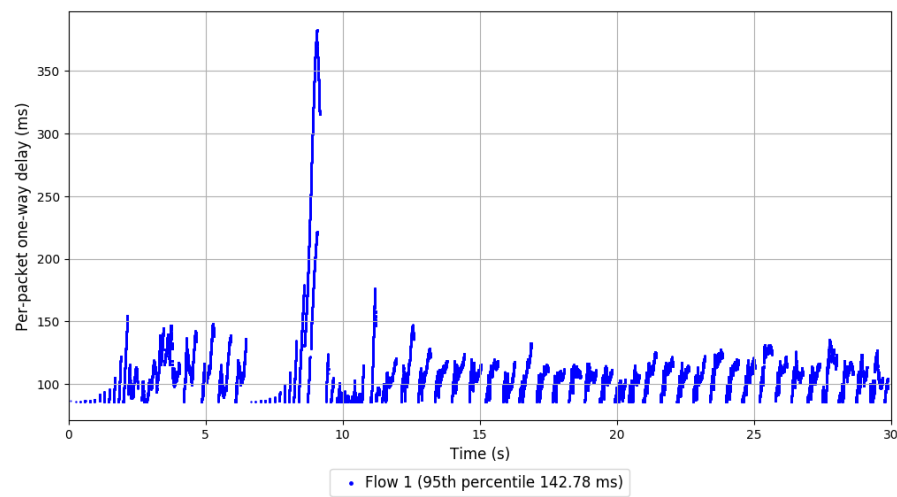
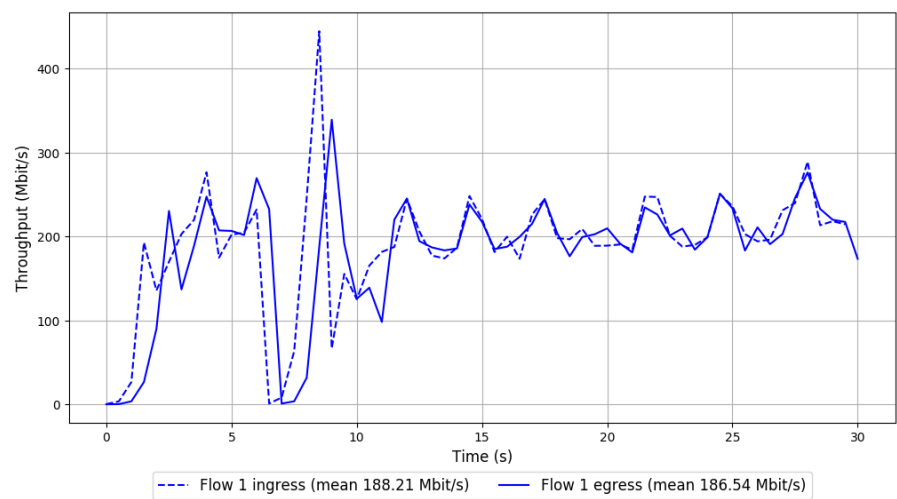
-- Flow 1:

Average throughput: 186.54 Mbit/s

95th percentile per-packet one-way delay: 142.778 ms

Loss rate: 1.45%

Run 6: Report of Verus — Data Link

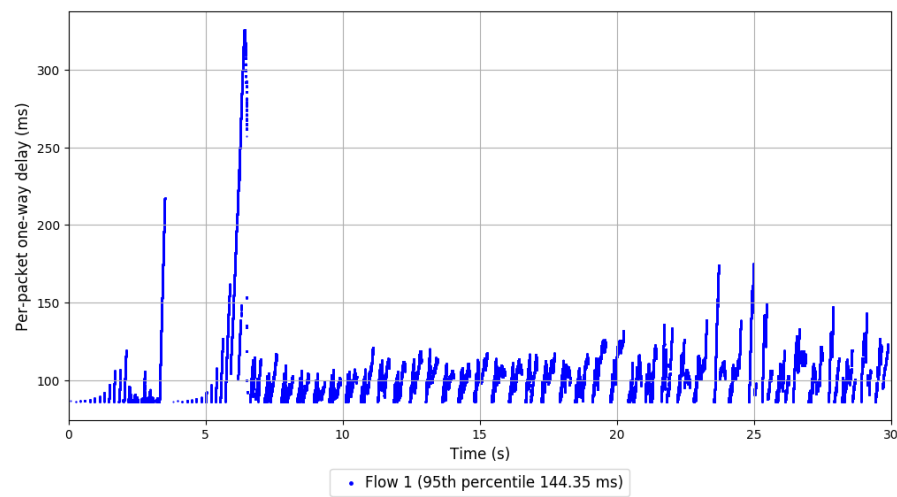
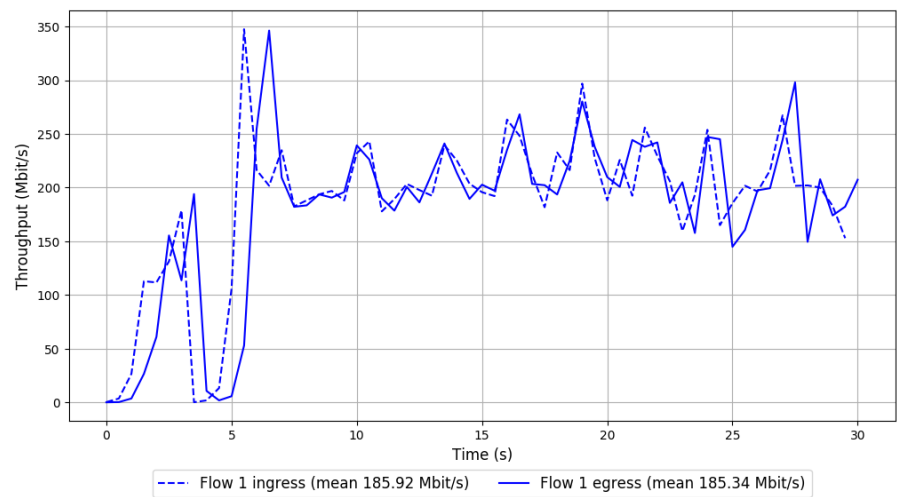


Run 7: Statistics of Verus

Start at: 2018-07-24 22:29:25
End at: 2018-07-24 22:29:55
Local clock offset: 0.137 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-25 01:28:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 185.34 Mbit/s
95th percentile per-packet one-way delay: 144.350 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 185.34 Mbit/s
95th percentile per-packet one-way delay: 144.350 ms
Loss rate: 0.32%

Run 7: Report of Verus — Data Link

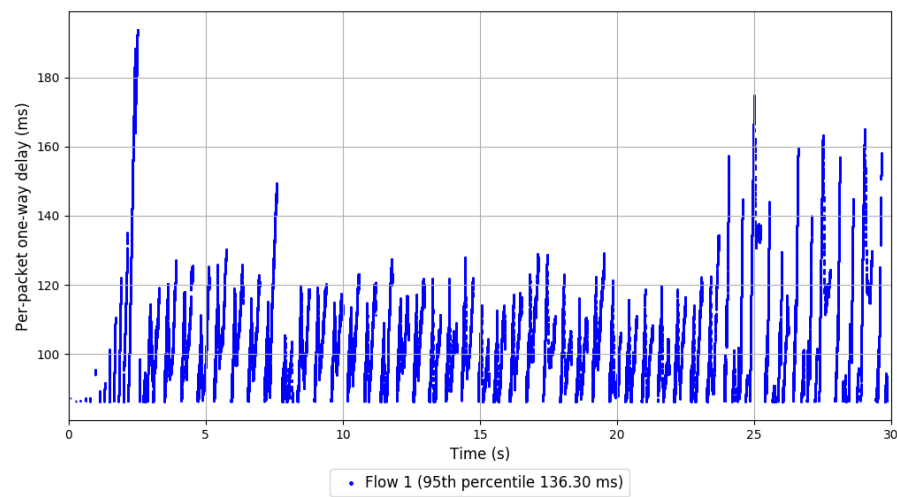
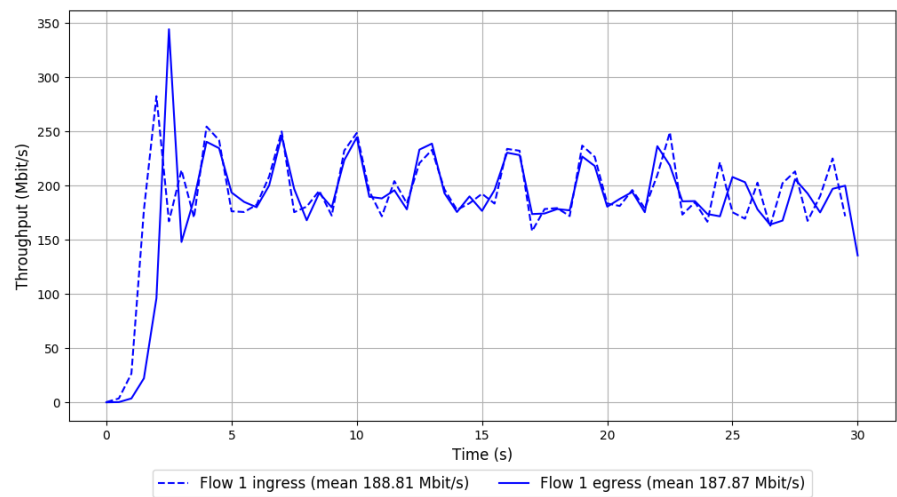


Run 8: Statistics of Verus

Start at: 2018-07-24 22:51:12
End at: 2018-07-24 22:51:42
Local clock offset: -0.025 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-25 01:29:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.87 Mbit/s
95th percentile per-packet one-way delay: 136.299 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 187.87 Mbit/s
95th percentile per-packet one-way delay: 136.299 ms
Loss rate: 1.17%

Run 8: Report of Verus — Data Link

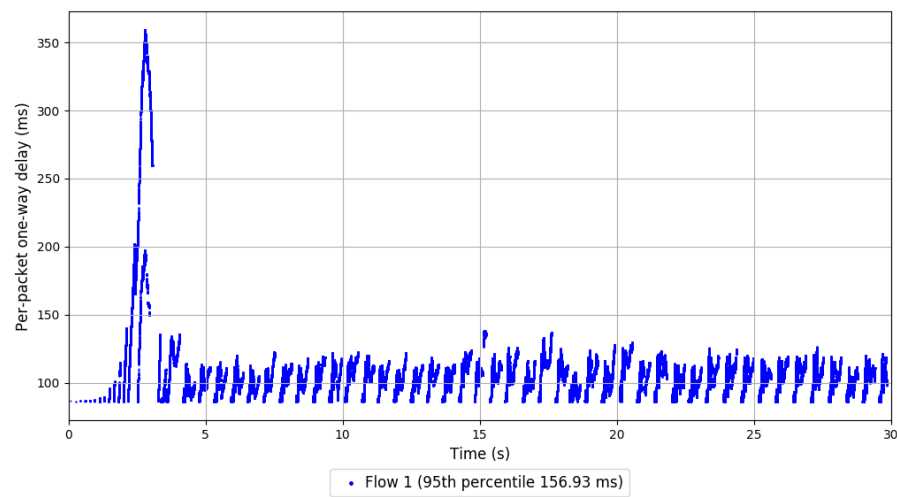
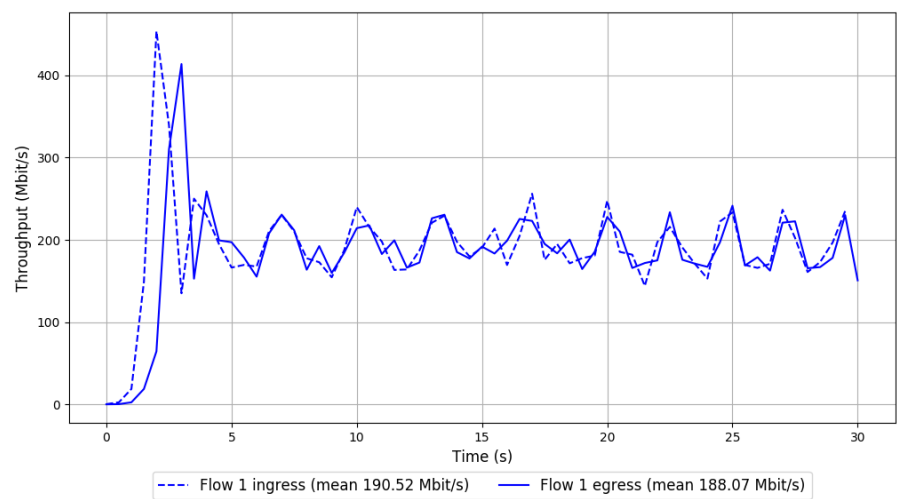


Run 9: Statistics of Verus

Start at: 2018-07-24 23:13:08
End at: 2018-07-24 23:13:38
Local clock offset: -0.033 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-25 01:30:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 188.07 Mbit/s
95th percentile per-packet one-way delay: 156.928 ms
Loss rate: 1.73%
-- Flow 1:
Average throughput: 188.07 Mbit/s
95th percentile per-packet one-way delay: 156.928 ms
Loss rate: 1.73%

Run 9: Report of Verus — Data Link

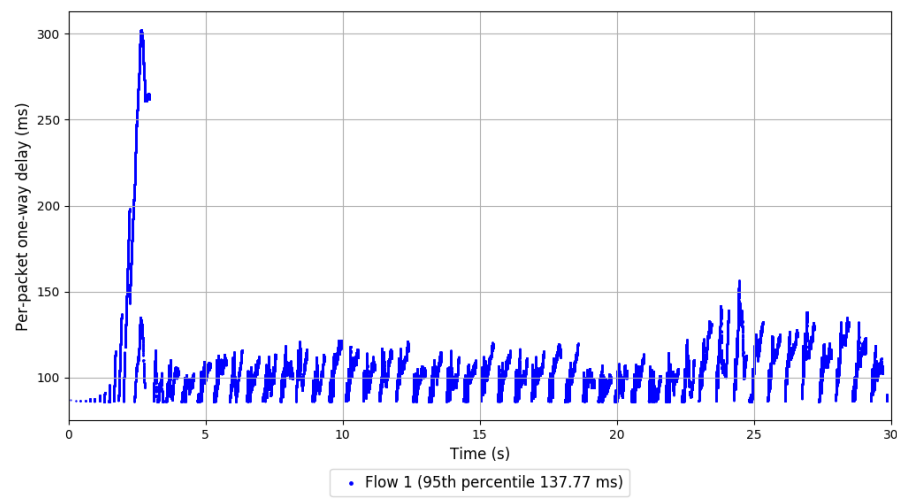
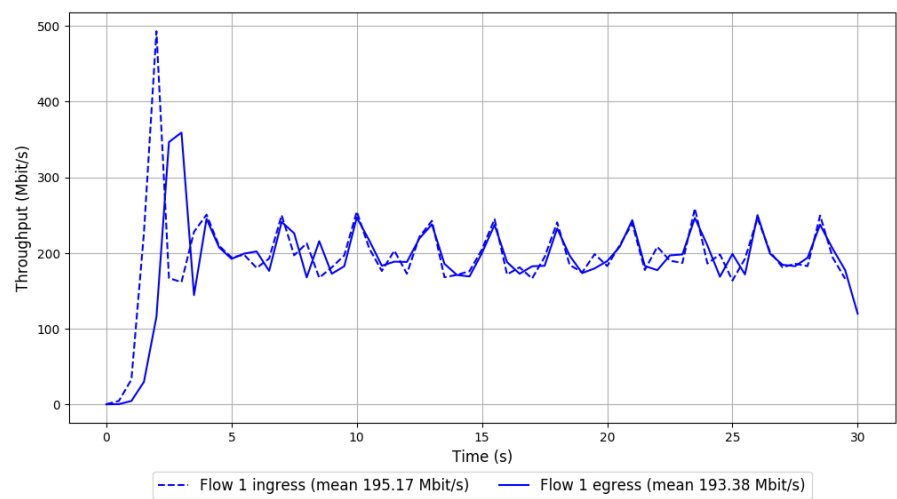


Run 10: Statistics of Verus

Start at: 2018-07-24 23:34:30
End at: 2018-07-24 23:35:00
Local clock offset: -0.06 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-07-25 01:30:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 193.38 Mbit/s
95th percentile per-packet one-way delay: 137.774 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 193.38 Mbit/s
95th percentile per-packet one-way delay: 137.774 ms
Loss rate: 1.49%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-24 20:36:43

End at: 2018-07-24 20:37:13

Local clock offset: -0.103 ms

Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-07-25 01:33:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 264.72 Mbit/s

95th percentile per-packet one-way delay: 86.834 ms

Loss rate: 0.71%

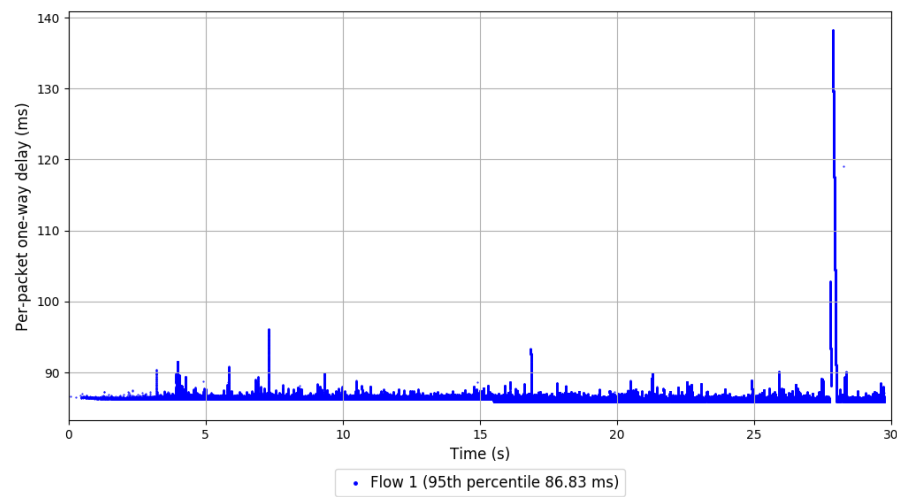
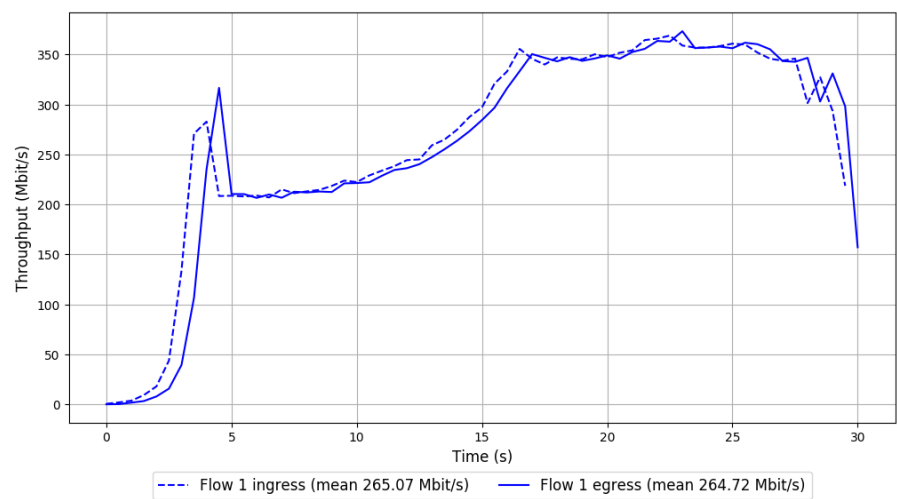
-- Flow 1:

Average throughput: 264.72 Mbit/s

95th percentile per-packet one-way delay: 86.834 ms

Loss rate: 0.71%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-24 20:58:04

End at: 2018-07-24 20:58:34

Local clock offset: 0.033 ms

Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-07-25 01:35:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 344.66 Mbit/s

95th percentile per-packet one-way delay: 91.292 ms

Loss rate: 0.67%

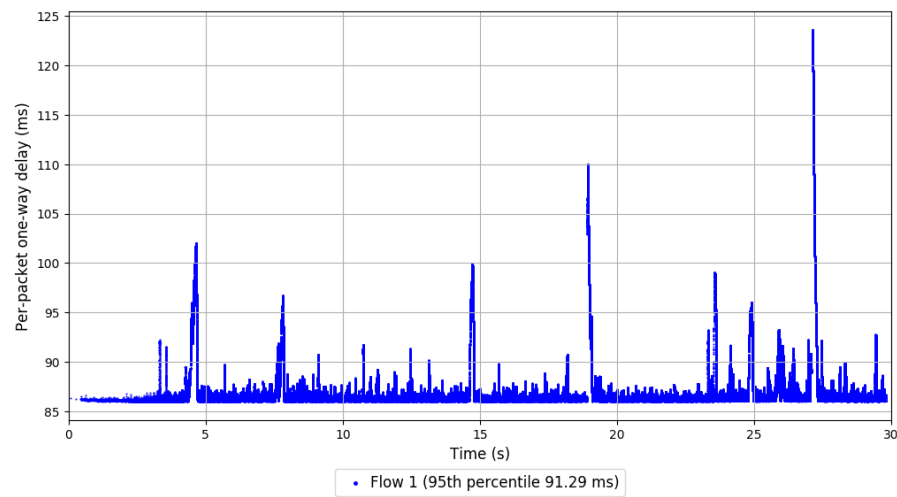
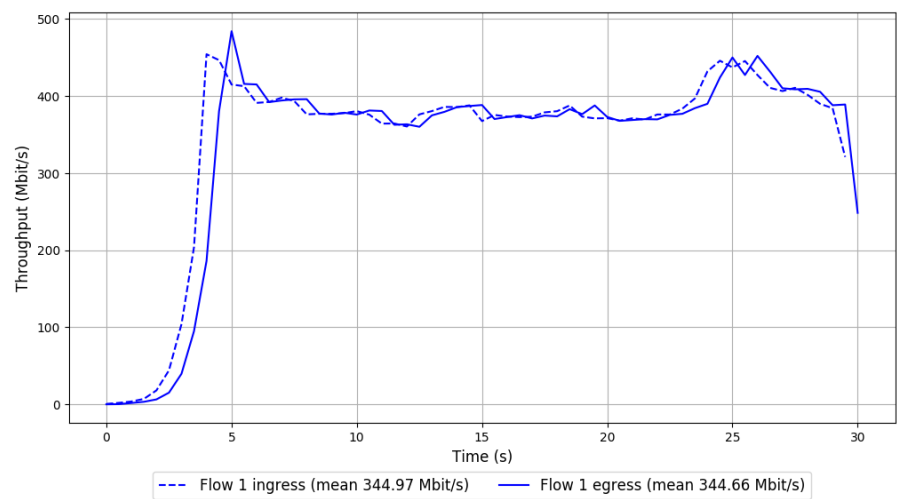
-- Flow 1:

Average throughput: 344.66 Mbit/s

95th percentile per-packet one-way delay: 91.292 ms

Loss rate: 0.67%

Run 2: Report of PCC-Vivace — Data Link

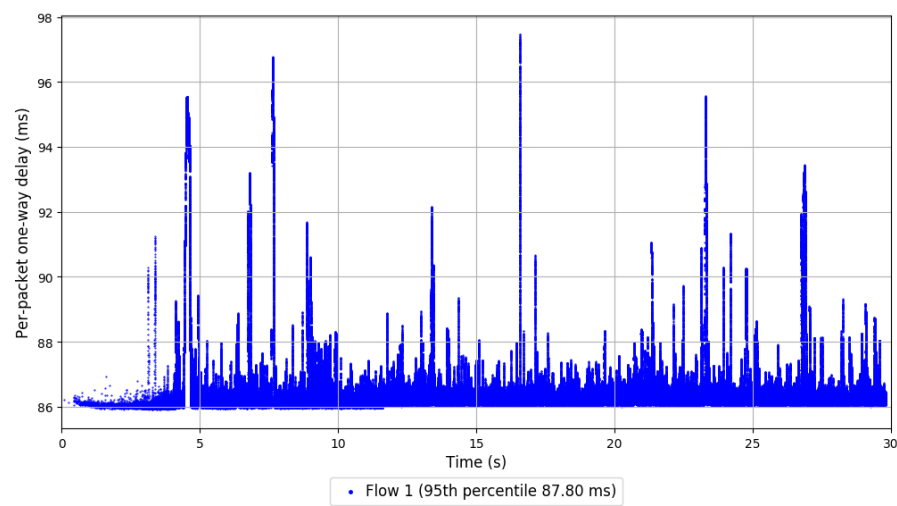
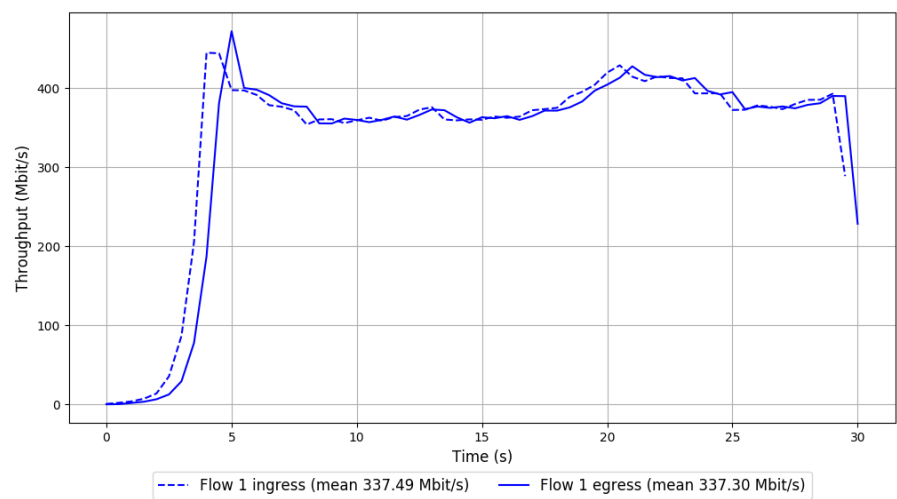


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-24 21:19:47
End at: 2018-07-24 21:20:17
Local clock offset: -0.048 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-07-25 01:35:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 337.30 Mbit/s
95th percentile per-packet one-way delay: 87.800 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 337.30 Mbit/s
95th percentile per-packet one-way delay: 87.800 ms
Loss rate: 0.64%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-24 21:41:42

End at: 2018-07-24 21:42:12

Local clock offset: 0.079 ms

Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-25 01:35:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 229.18 Mbit/s

95th percentile per-packet one-way delay: 95.034 ms

Loss rate: 0.92%

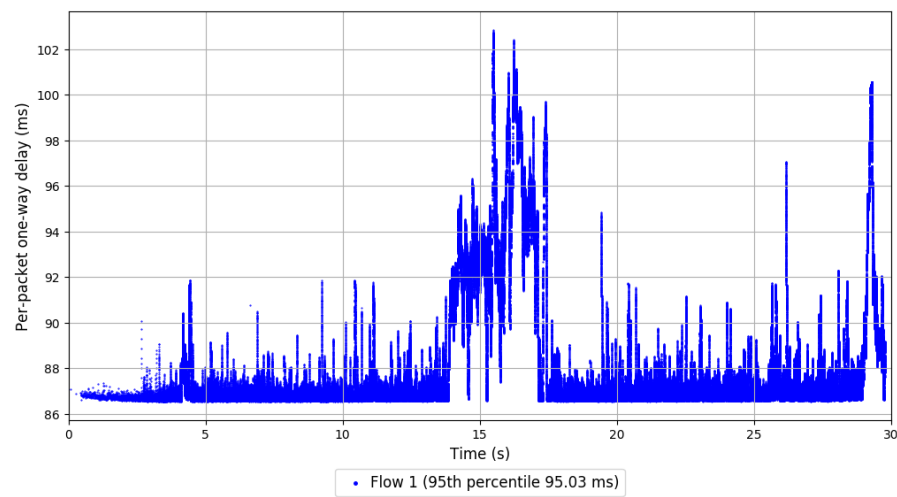
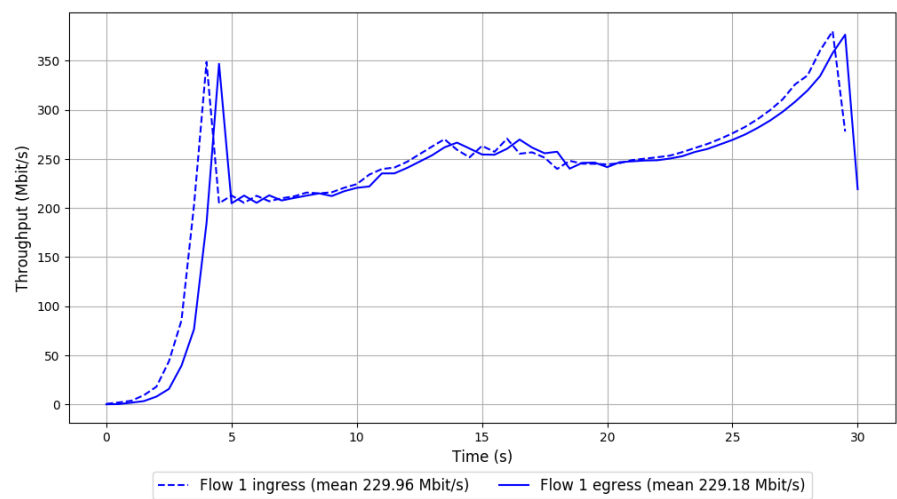
-- Flow 1:

Average throughput: 229.18 Mbit/s

95th percentile per-packet one-way delay: 95.034 ms

Loss rate: 0.92%

Run 4: Report of PCC-Vivace — Data Link

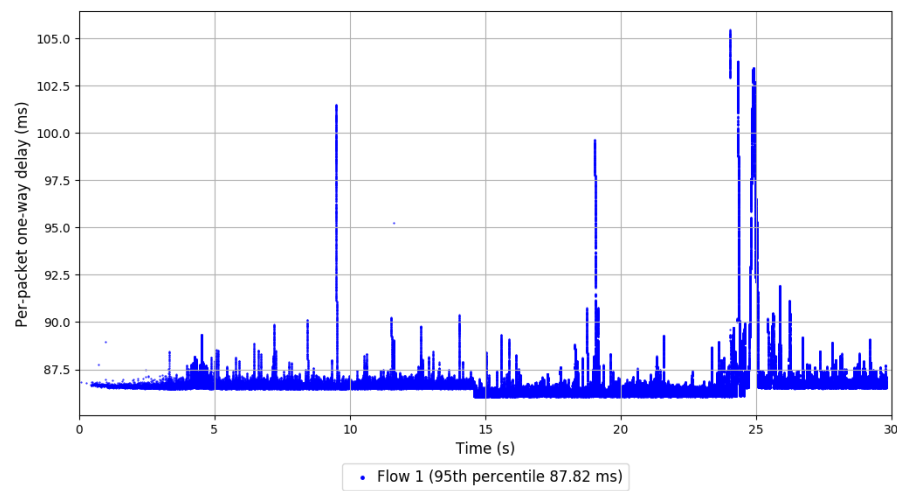
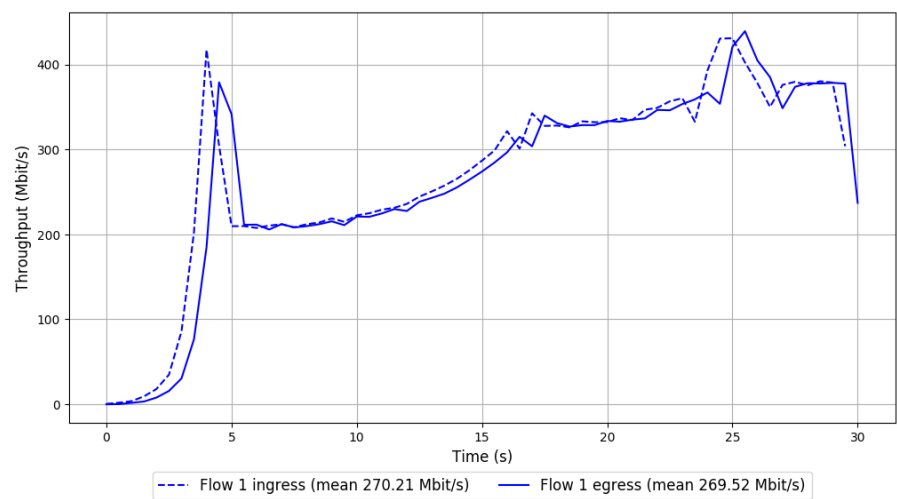


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-24 22:03:14
End at: 2018-07-24 22:03:44
Local clock offset: -0.097 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-25 01:35:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 269.52 Mbit/s
95th percentile per-packet one-way delay: 87.818 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 269.52 Mbit/s
95th percentile per-packet one-way delay: 87.818 ms
Loss rate: 0.83%

Run 5: Report of PCC-Vivace — Data Link

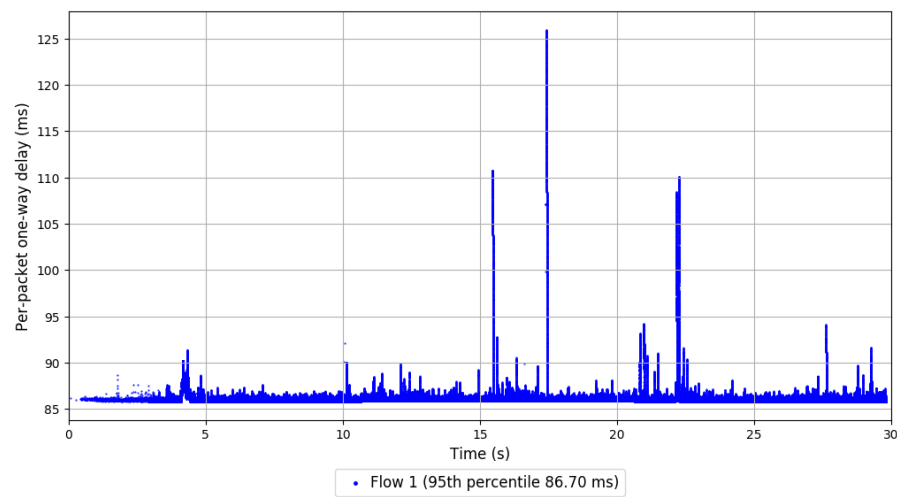
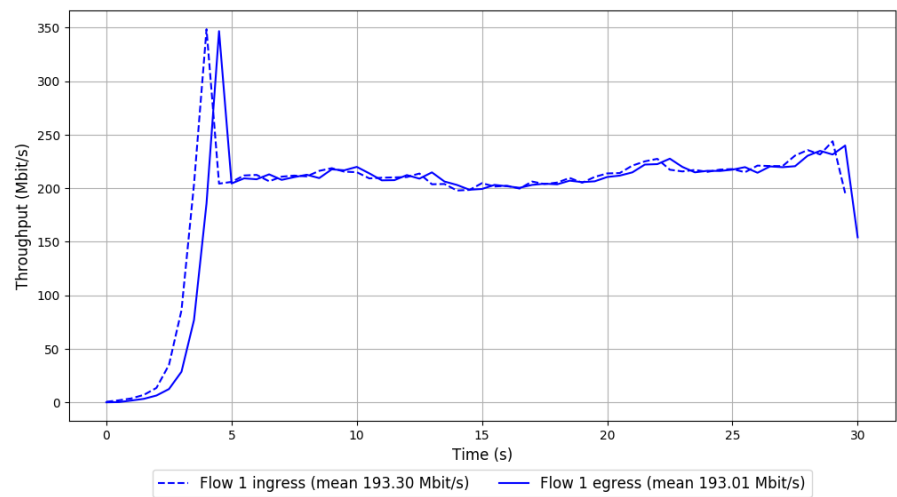


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-24 22:25:08
End at: 2018-07-24 22:25:38
Local clock offset: -0.055 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-25 01:35:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 193.01 Mbit/s
95th percentile per-packet one-way delay: 86.704 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 193.01 Mbit/s
95th percentile per-packet one-way delay: 86.704 ms
Loss rate: 0.73%

Run 6: Report of PCC-Vivace — Data Link

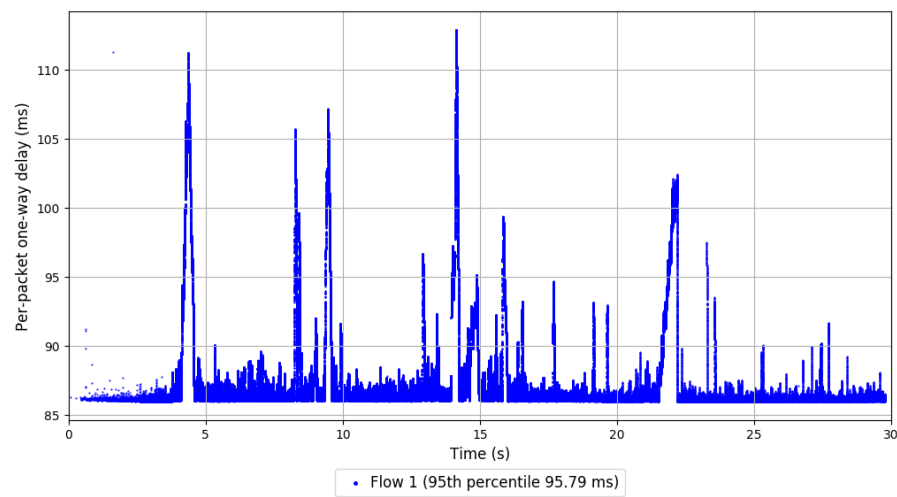
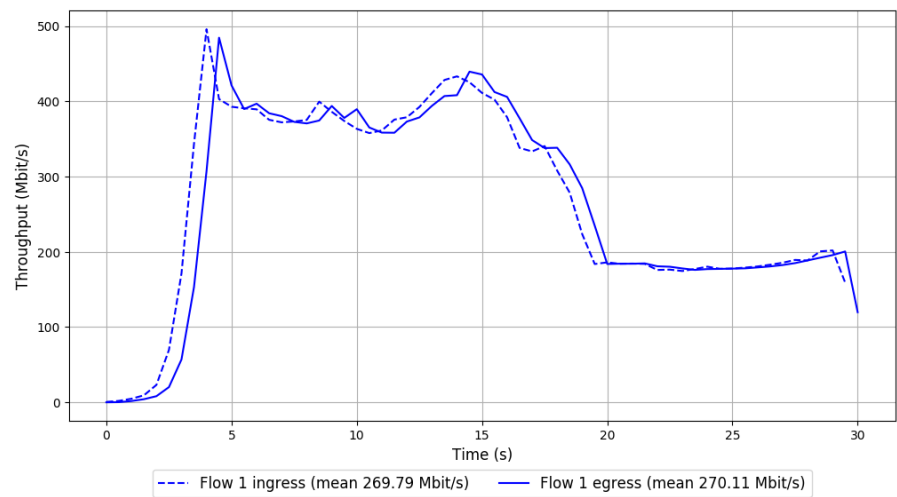


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-24 22:46:51
End at: 2018-07-24 22:47:21
Local clock offset: 0.001 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-25 01:35:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 270.11 Mbit/s
95th percentile per-packet one-way delay: 95.790 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 270.11 Mbit/s
95th percentile per-packet one-way delay: 95.790 ms
Loss rate: 0.46%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-24 23:08:46

End at: 2018-07-24 23:09:16

Local clock offset: 0.05 ms

Remote clock offset: -0.0 ms

Below is generated by plot.py at 2018-07-25 01:36:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 263.25 Mbit/s

95th percentile per-packet one-way delay: 95.673 ms

Loss rate: 0.70%

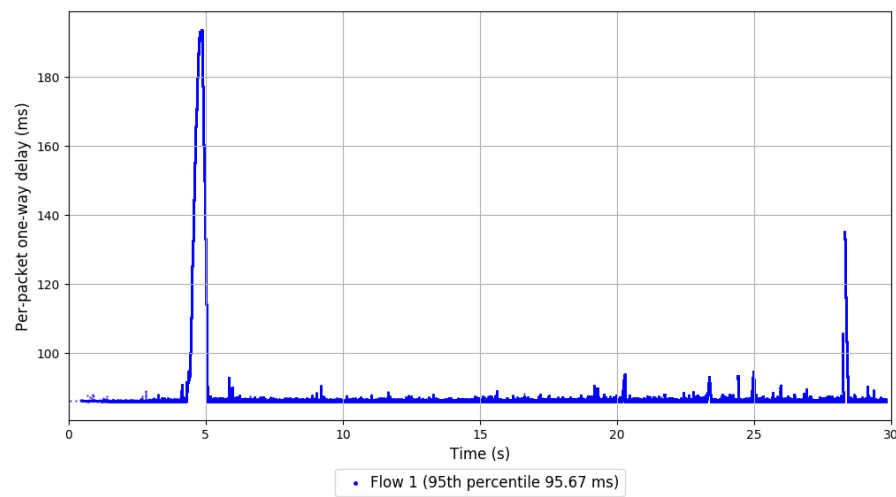
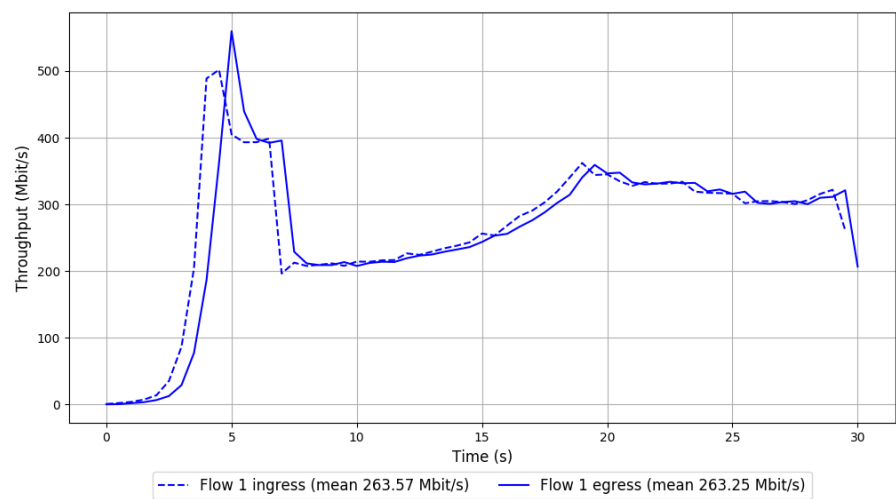
-- Flow 1:

Average throughput: 263.25 Mbit/s

95th percentile per-packet one-way delay: 95.673 ms

Loss rate: 0.70%

Run 8: Report of PCC-Vivace — Data Link

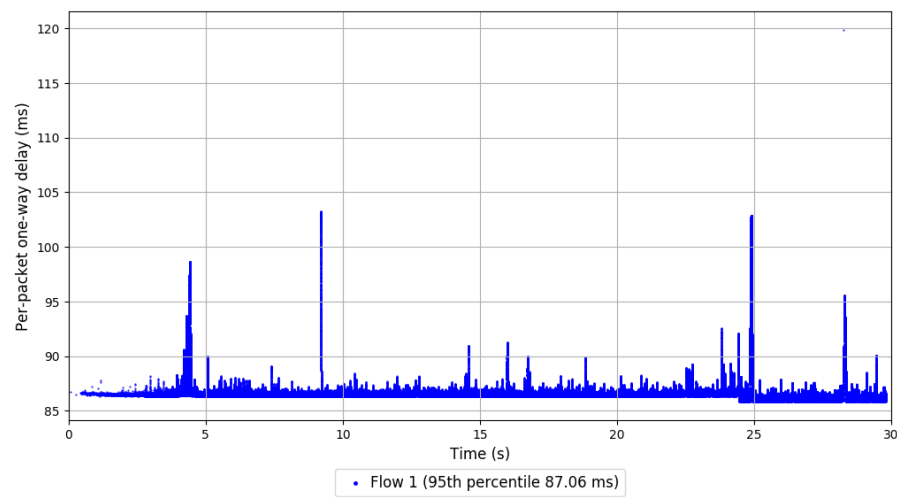
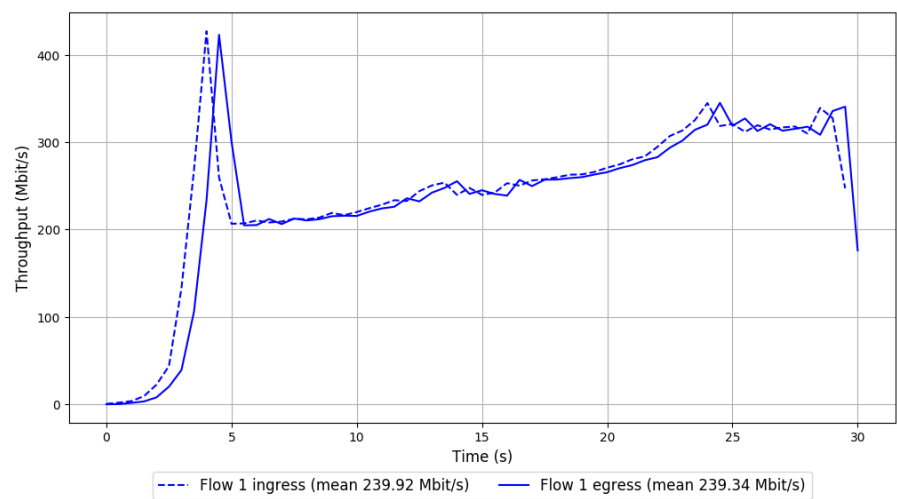


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-24 23:30:14
End at: 2018-07-24 23:30:44
Local clock offset: -0.036 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-25 01:36:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 239.34 Mbit/s
95th percentile per-packet one-way delay: 87.063 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 239.34 Mbit/s
95th percentile per-packet one-way delay: 87.063 ms
Loss rate: 0.82%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-24 23:52:05

End at: 2018-07-24 23:52:35

Local clock offset: 0.021 ms

Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-25 01:36:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 240.94 Mbit/s

95th percentile per-packet one-way delay: 88.787 ms

Loss rate: 0.67%

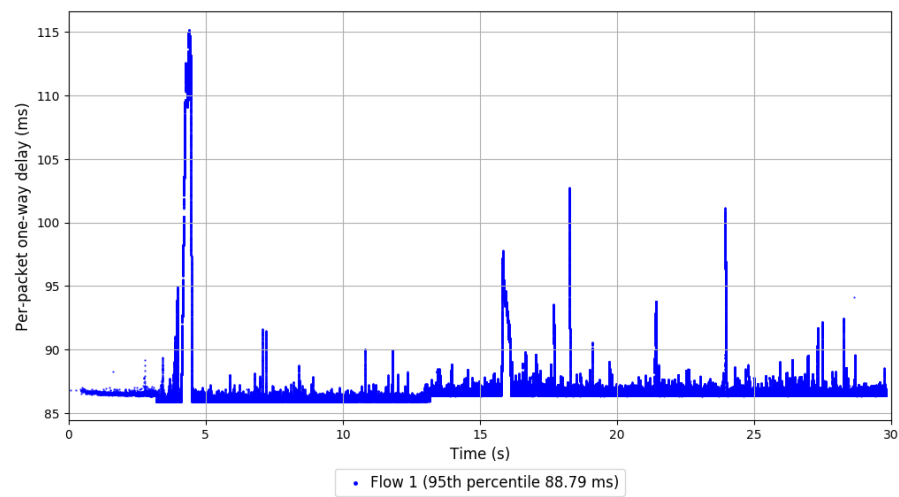
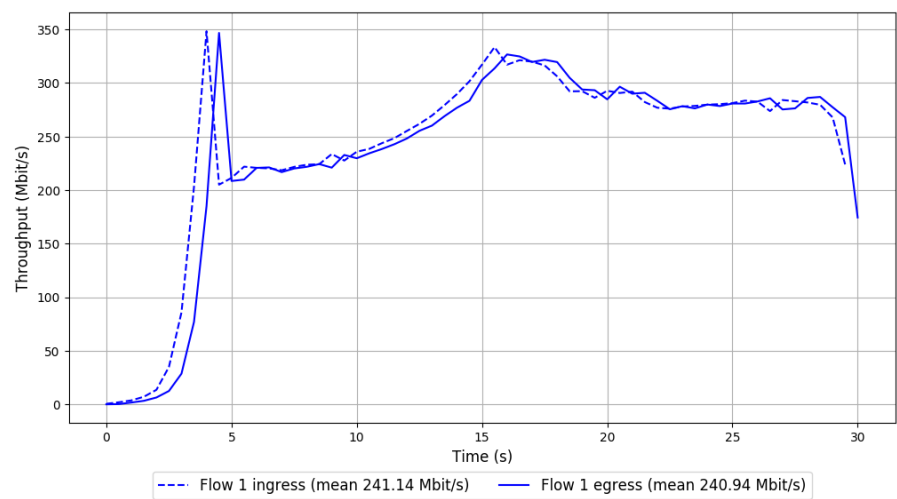
-- Flow 1:

Average throughput: 240.94 Mbit/s

95th percentile per-packet one-way delay: 88.787 ms

Loss rate: 0.67%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

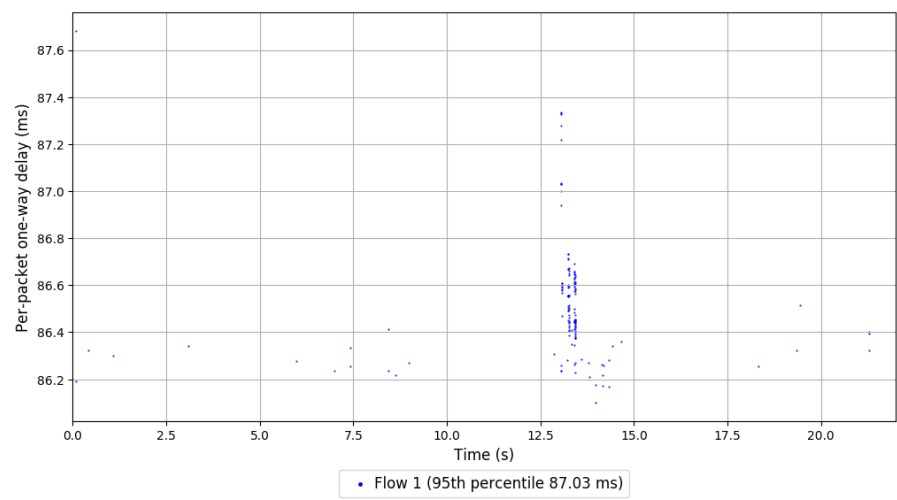
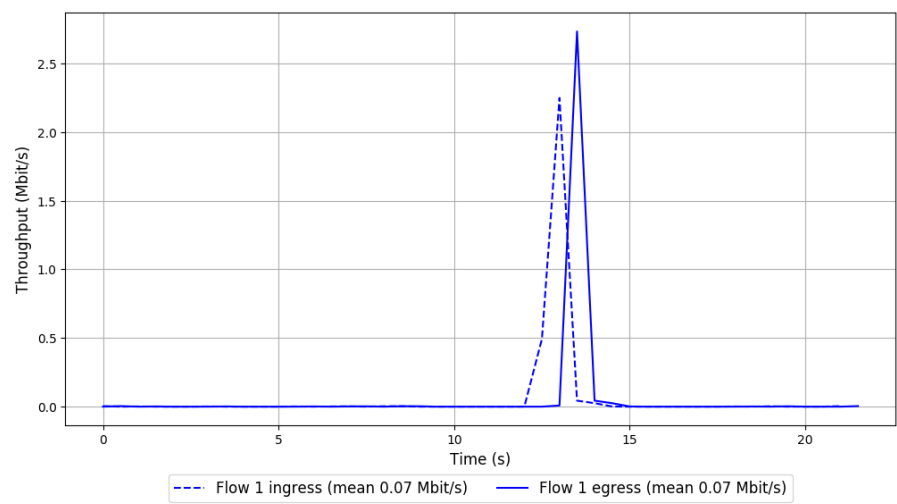
Start at: 2018-07-24 20:30:57

End at: 2018-07-24 20:31:27

Local clock offset: 0.139 ms

Remote clock offset: -0.09 ms

Run 1: Report of WebRTC media — Data Link

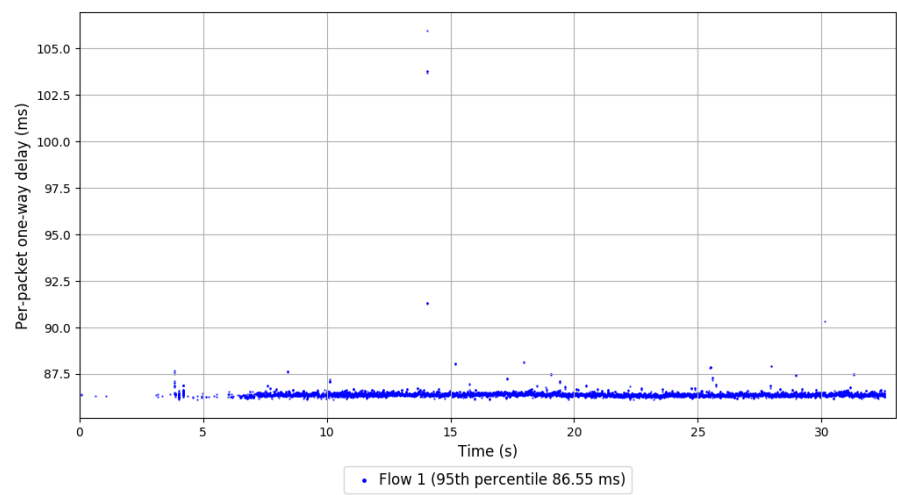
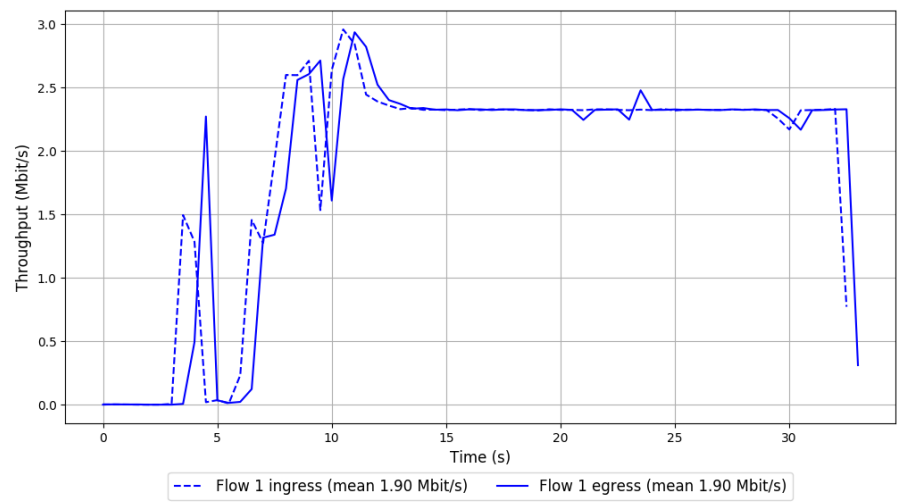


Run 2: Statistics of WebRTC media

Start at: 2018-07-24 20:52:11
End at: 2018-07-24 20:52:41
Local clock offset: 0.116 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-07-25 01:36:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 86.553 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 86.553 ms
Loss rate: 0.68%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-24 21:13:55

End at: 2018-07-24 21:14:25

Local clock offset: -0.122 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-07-25 01:36:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 86.421 ms

Loss rate: 0.62%

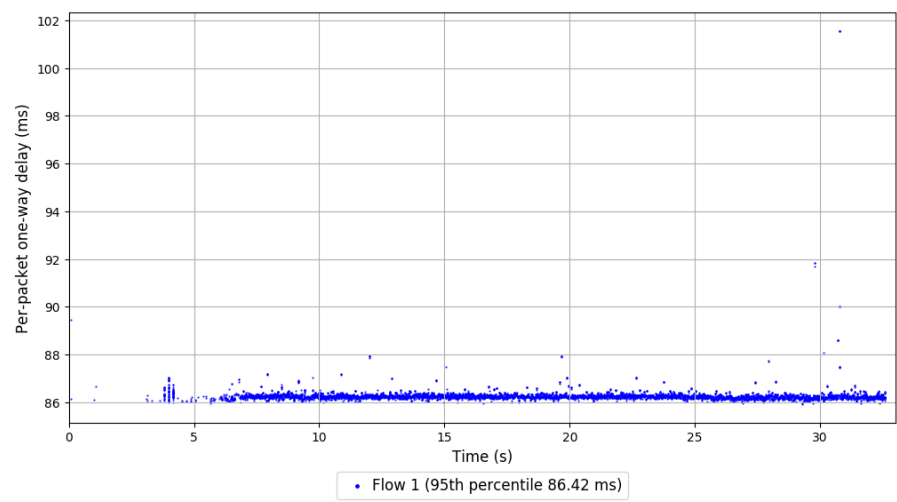
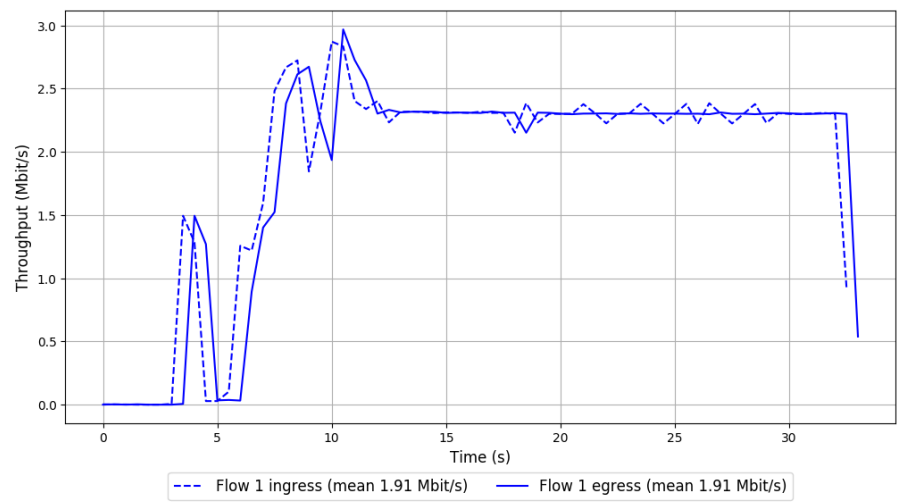
-- Flow 1:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 86.421 ms

Loss rate: 0.62%

Run 3: Report of WebRTC media — Data Link

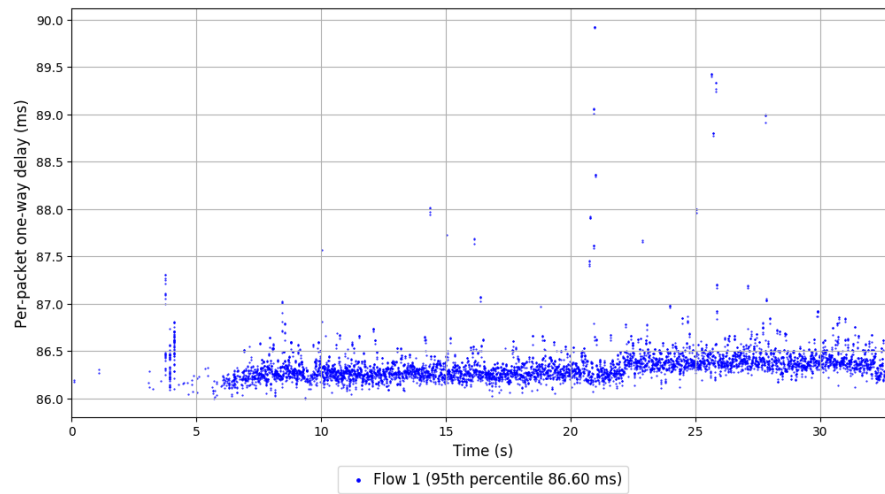
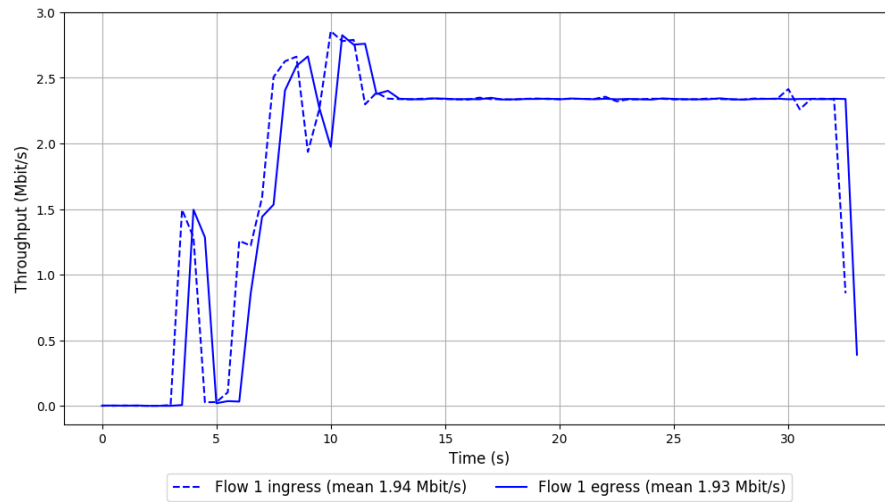


Run 4: Statistics of WebRTC media

Start at: 2018-07-24 21:35:49
End at: 2018-07-24 21:36:19
Local clock offset: -0.061 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-25 01:36:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 86.602 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 86.602 ms
Loss rate: 0.68%

Run 4: Report of WebRTC media — Data Link

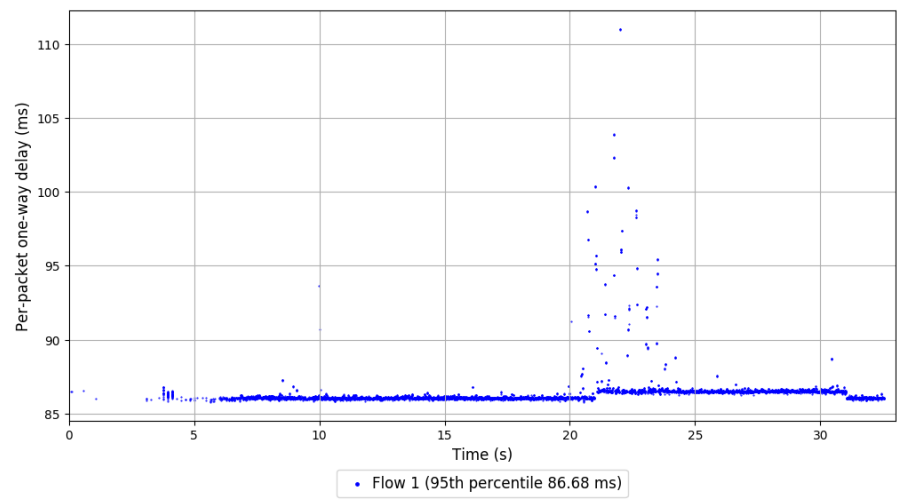
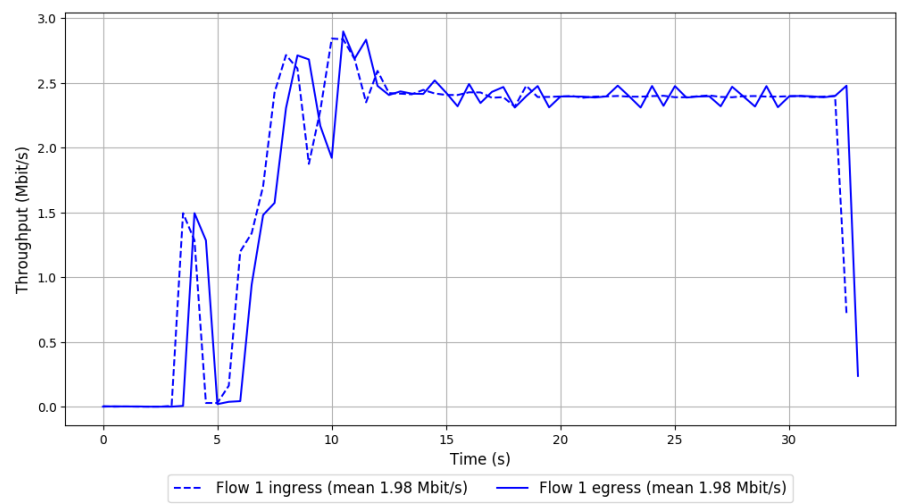


Run 5: Statistics of WebRTC media

Start at: 2018-07-24 21:57:20
End at: 2018-07-24 21:57:50
Local clock offset: -0.214 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-25 01:36:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 86.681 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 86.681 ms
Loss rate: 0.68%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-24 22:19:15

End at: 2018-07-24 22:19:45

Local clock offset: -0.016 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-25 01:36:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 86.798 ms

Loss rate: 0.55%

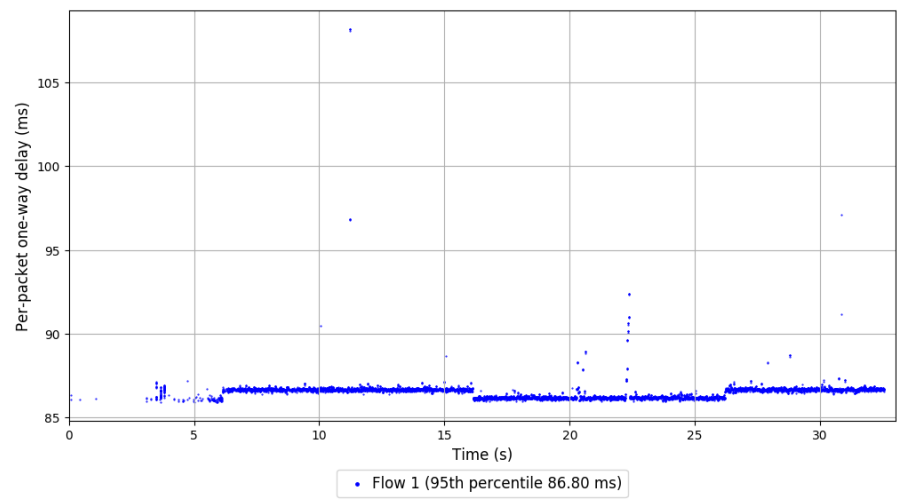
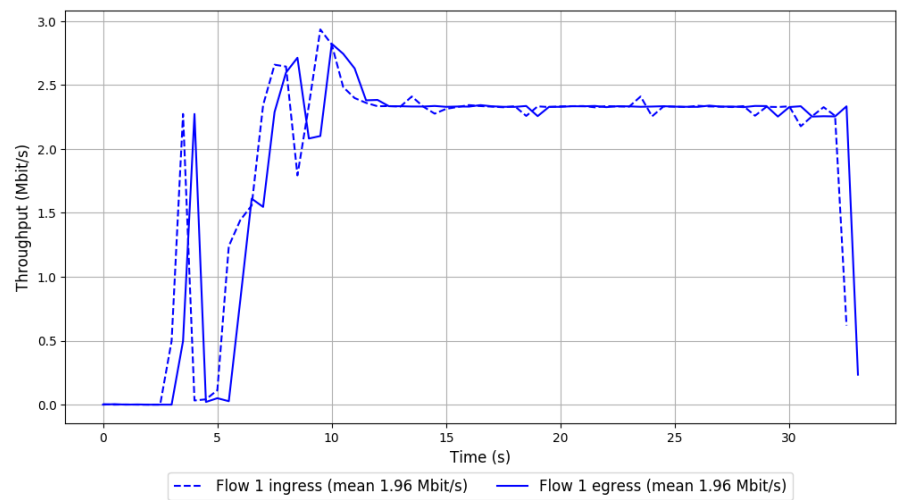
-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 86.798 ms

Loss rate: 0.55%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-24 22:40:57

End at: 2018-07-24 22:41:27

Local clock offset: 0.044 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-25 01:36:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.89 Mbit/s

95th percentile per-packet one-way delay: 86.436 ms

Loss rate: 0.62%

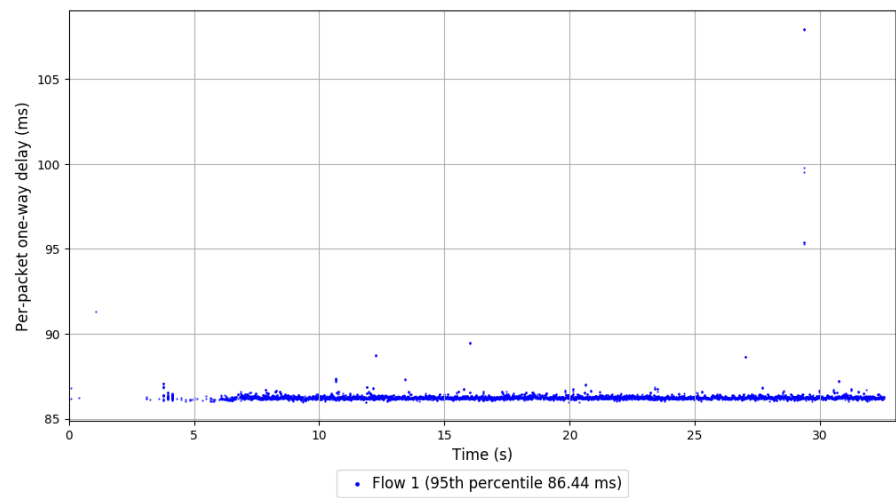
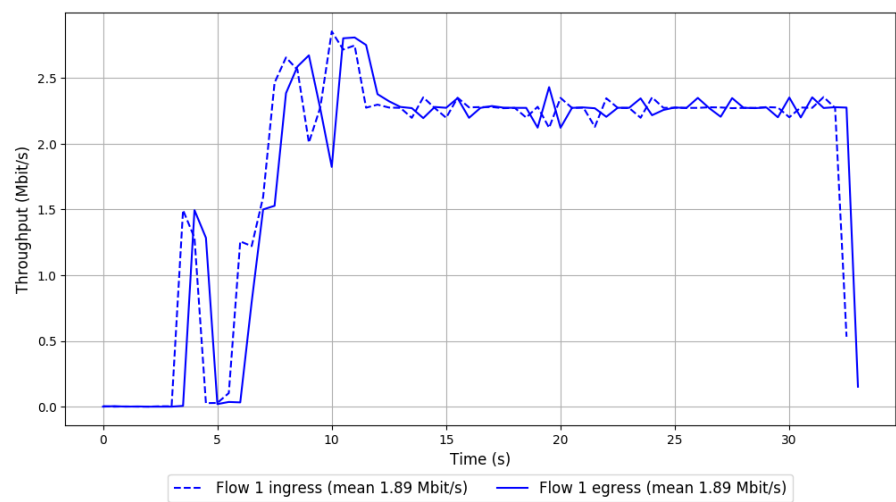
-- Flow 1:

Average throughput: 1.89 Mbit/s

95th percentile per-packet one-way delay: 86.436 ms

Loss rate: 0.62%

Run 7: Report of WebRTC media — Data Link

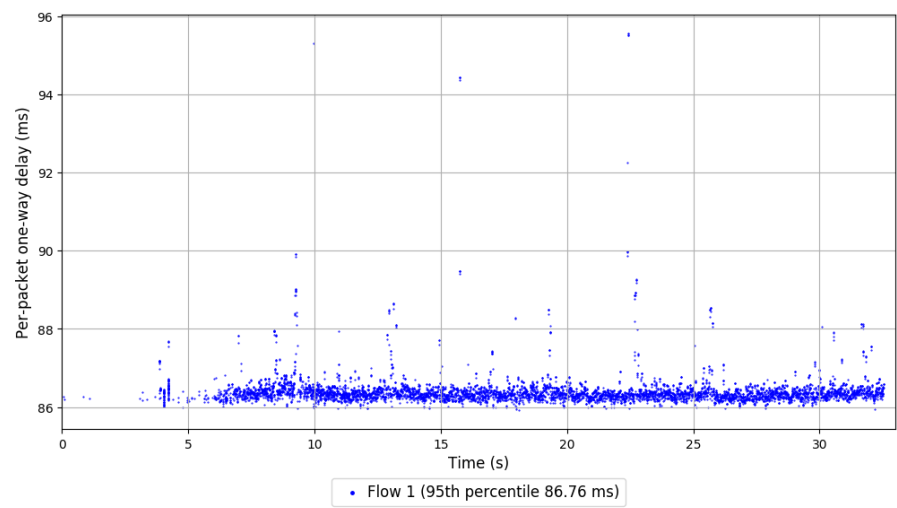
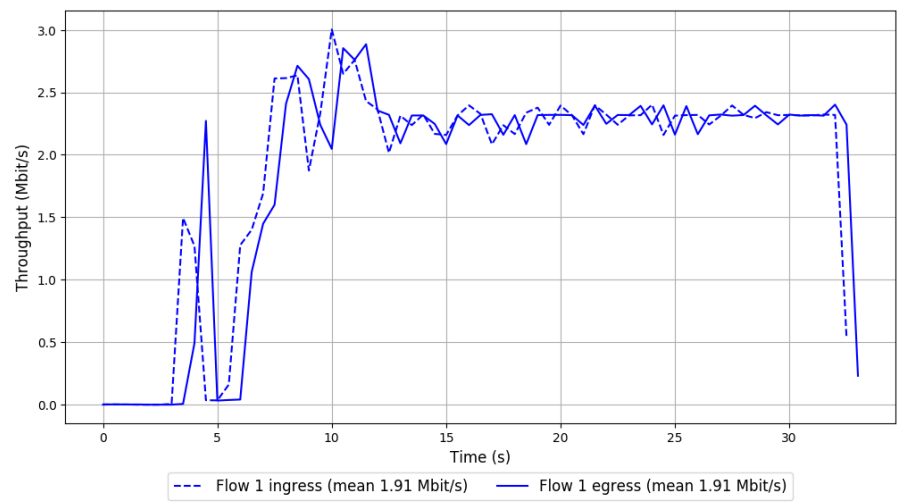


Run 8: Statistics of WebRTC media

Start at: 2018-07-24 23:02:50
End at: 2018-07-24 23:03:20
Local clock offset: -0.17 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-07-25 01:36:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 86.758 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 86.758 ms
Loss rate: 0.62%

Run 8: Report of WebRTC media — Data Link

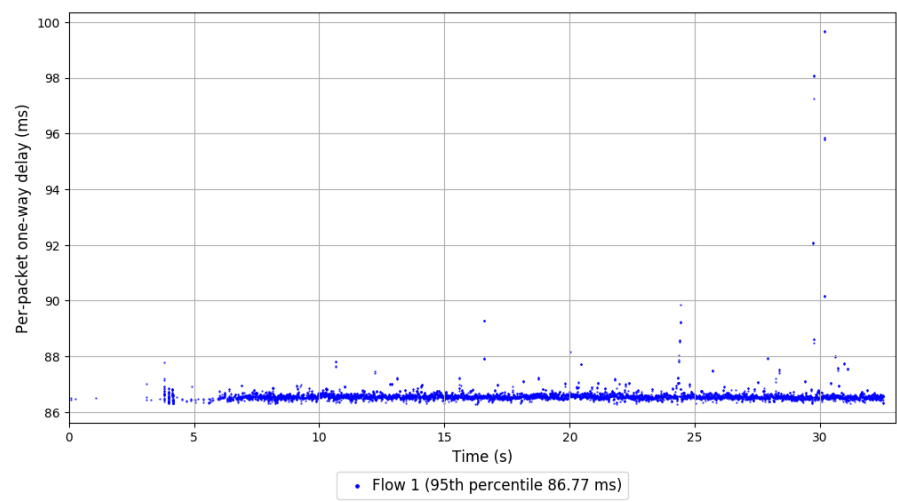
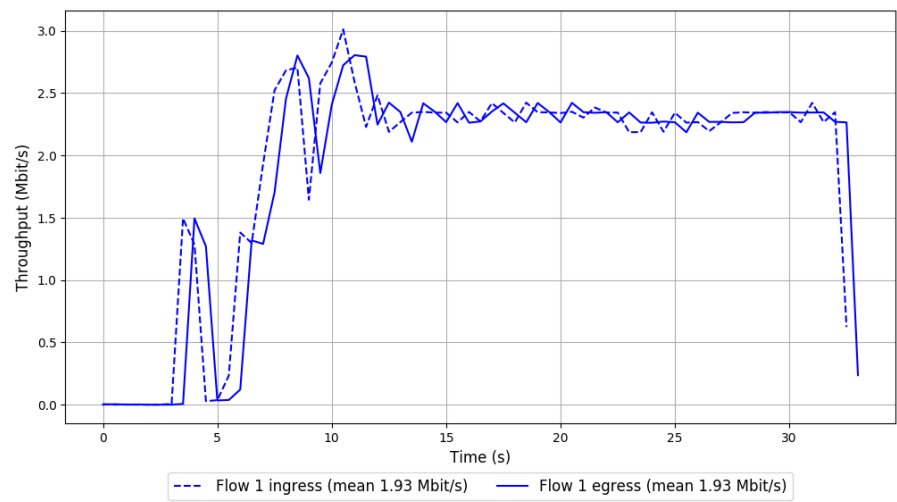


Run 9: Statistics of WebRTC media

Start at: 2018-07-24 23:24:20
End at: 2018-07-24 23:24:50
Local clock offset: 0.292 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-25 01:36:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 86.771 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 86.771 ms
Loss rate: 0.68%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-24 23:46:13

End at: 2018-07-24 23:46:43

Local clock offset: 0.066 ms

Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-25 01:36:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 86.721 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 86.721 ms

Loss rate: 0.68%

Run 10: Report of WebRTC media — Data Link

