

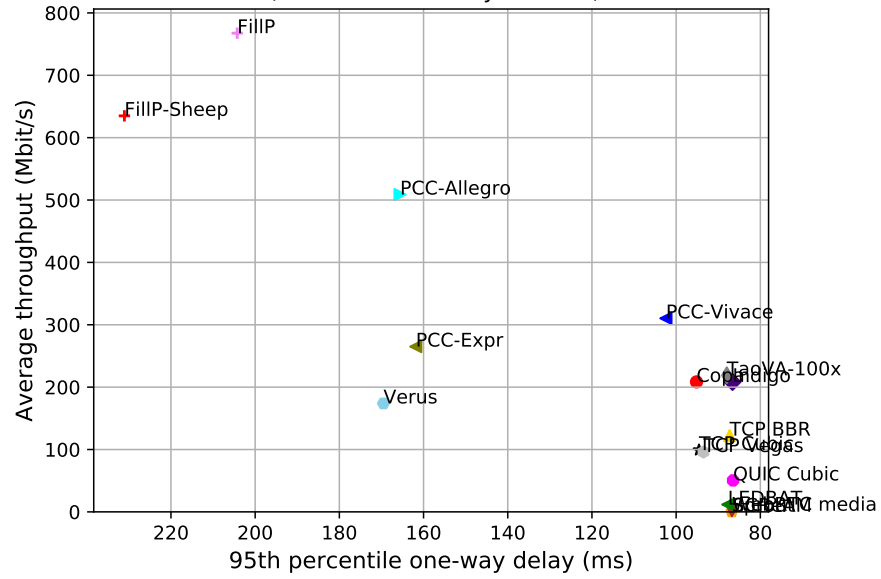
Pantheon Report

Generated at 2018-07-03 14:46:30 (UTC).
Data path: GCE Sydney Ethernet (*local*) → GCE Iowa Ethernet (*remote*).
Repeated the test of 17 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
NTP offsets were measured against `time.google.com` and have been applied
to correct the timestamps in logs.

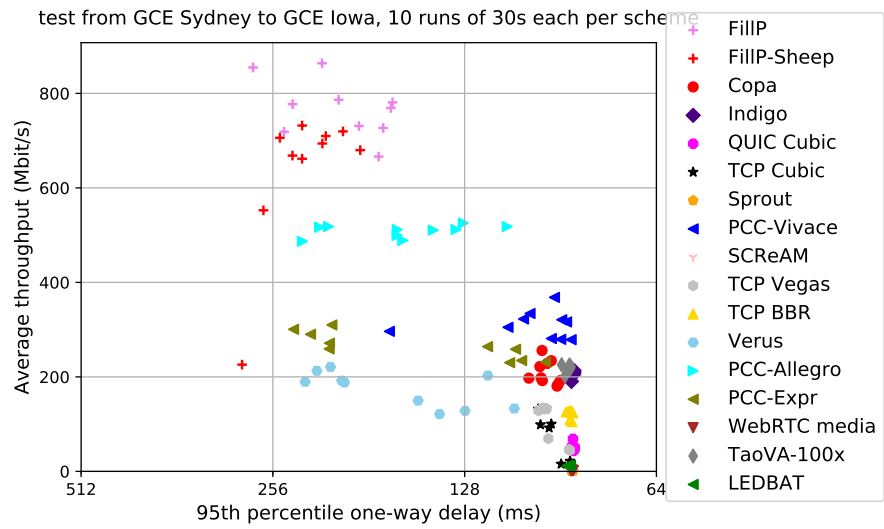
Git summary:

```
branch: master @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
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 Sydney to GCE Iowa, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from GCE Sydney to GCE Iowa, 10 runs of 30s each per scheme



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	122.28	87.30	0.00
Copa	10	208.42	95.16	0.00
TCP Cubic	10	99.11	94.58	0.02
FillP	10	767.54	204.26	5.13
FillP-Sheep	10	634.96	231.06	9.37
Indigo	10	208.20	86.61	0.01
LEDBAT	10	11.76	87.73	0.01
PCC-Allegro	10	508.80	165.58	1.08
PCC-Expr	10	264.99	161.84	1.34
QUIC Cubic	9	50.46	86.48	0.00
SCReAM	10	0.22	86.56	0.00
Sprout	10	0.28	86.78	0.00
TaoVA-100x	10	219.01	87.97	0.01
TCP Vegas	10	96.05	93.51	0.01
Verus	10	173.88	169.53	0.45
PCC-Vivace	10	310.29	102.43	0.03
WebRTC media	10	1.86	86.73	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-03 09:22:58

End at: 2018-07-03 09:23:28

Local clock offset: 0.3 ms

Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-03 13:09:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 124.86 Mbit/s

95th percentile per-packet one-way delay: 87.306 ms

Loss rate: 0.00%

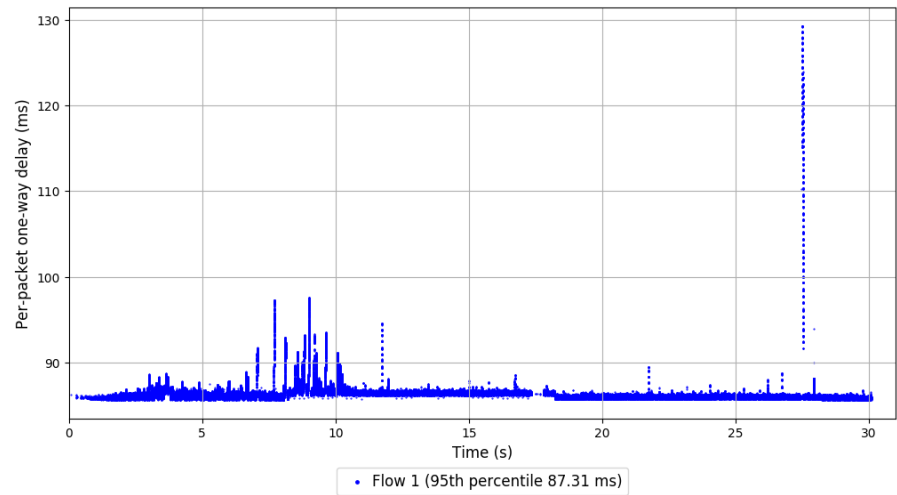
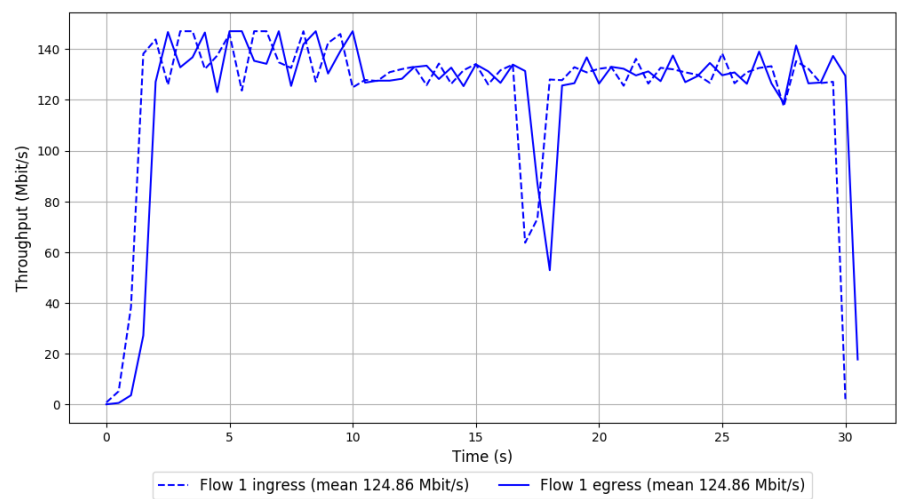
-- Flow 1:

Average throughput: 124.86 Mbit/s

95th percentile per-packet one-way delay: 87.306 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-03 09:45:13

End at: 2018-07-03 09:45:43

Local clock offset: 0.037 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2018-07-03 13:09:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 128.30 Mbit/s

95th percentile per-packet one-way delay: 87.081 ms

Loss rate: 0.00%

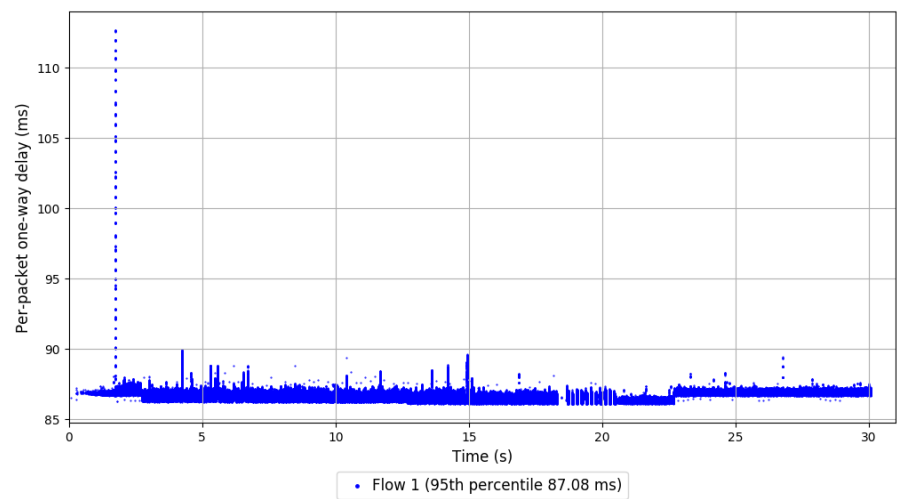
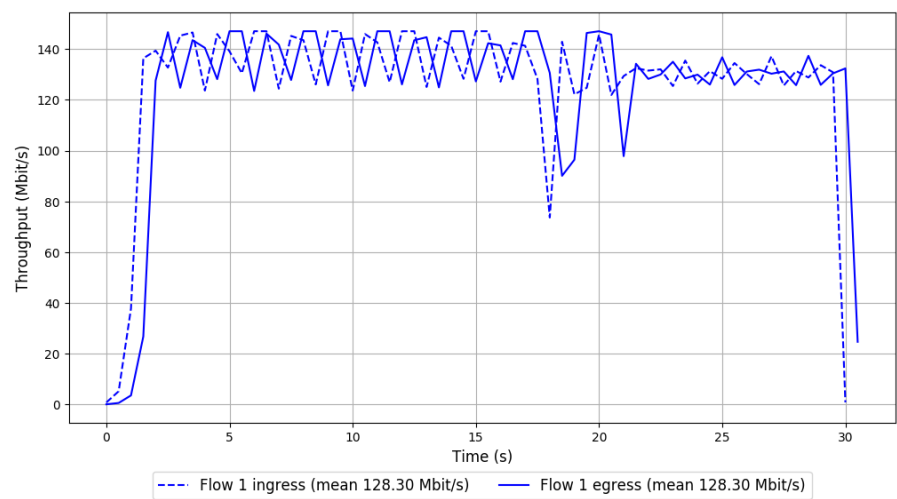
-- Flow 1:

Average throughput: 128.30 Mbit/s

95th percentile per-packet one-way delay: 87.081 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link

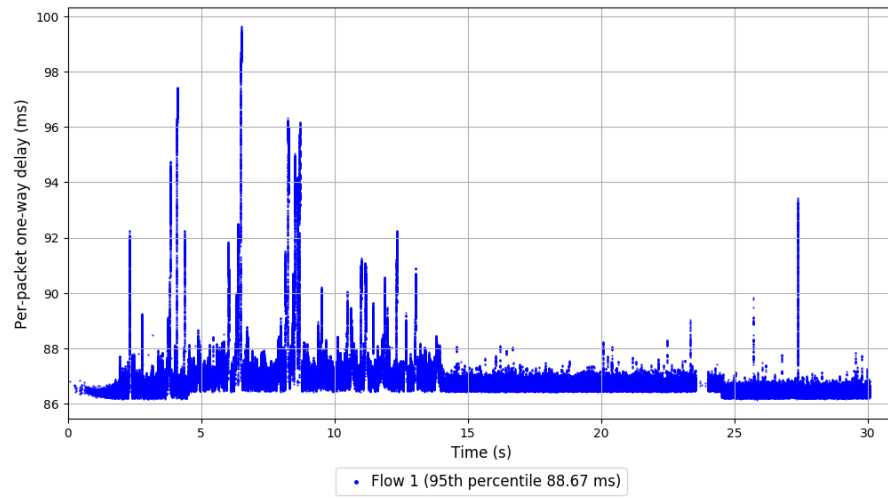
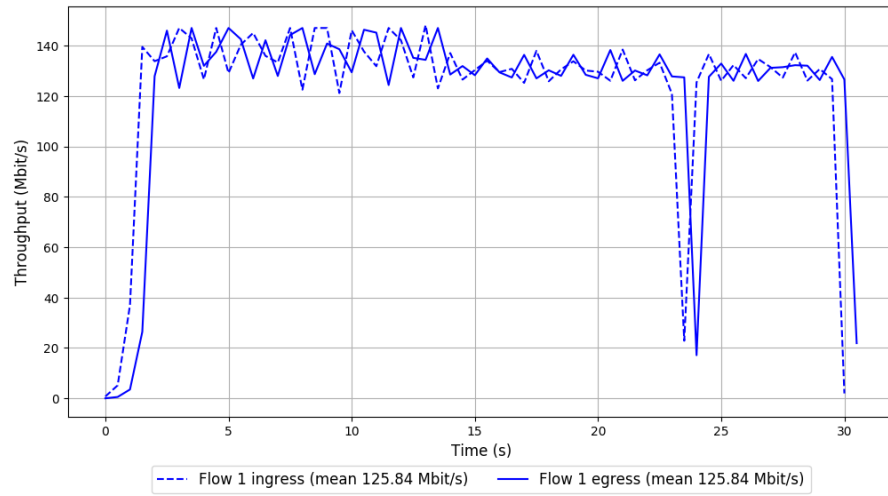


Run 3: Statistics of TCP BBR

Start at: 2018-07-03 10:07:42
End at: 2018-07-03 10:08:12
Local clock offset: -0.038 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-07-03 13:09:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 125.84 Mbit/s
95th percentile per-packet one-way delay: 88.671 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 125.84 Mbit/s
95th percentile per-packet one-way delay: 88.671 ms
Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-03 10:30:15

End at: 2018-07-03 10:30:45

Local clock offset: -0.058 ms

Remote clock offset: 0.043 ms

Below is generated by plot.py at 2018-07-03 13:09:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.80 Mbit/s

95th percentile per-packet one-way delay: 86.544 ms

Loss rate: 0.00%

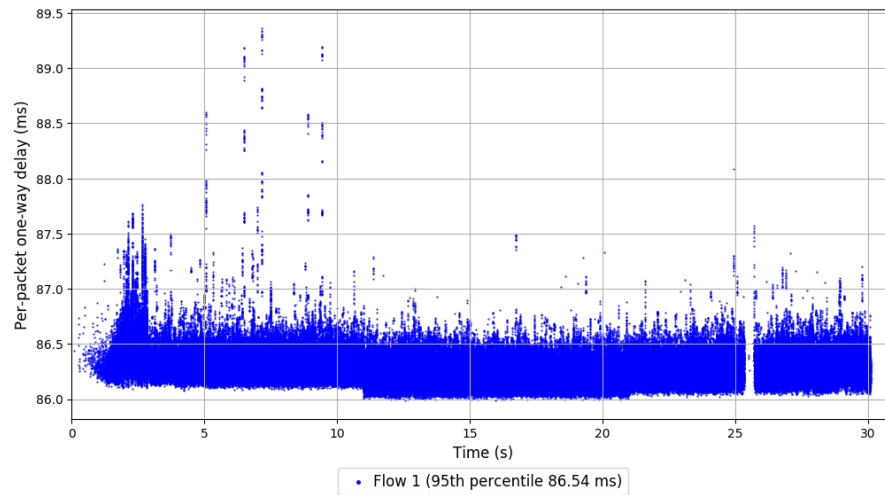
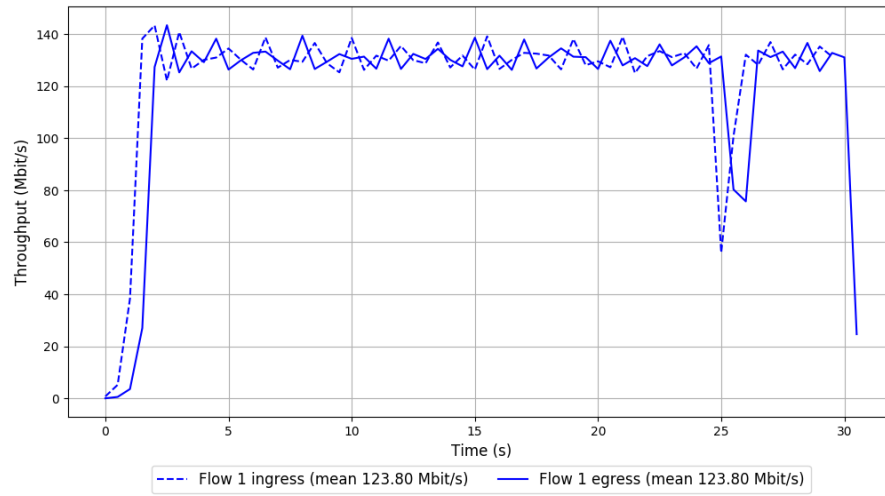
-- Flow 1:

Average throughput: 123.80 Mbit/s

95th percentile per-packet one-way delay: 86.544 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-03 10:52:32

End at: 2018-07-03 10:53:02

Local clock offset: 0.356 ms

Remote clock offset: 0.132 ms

Below is generated by plot.py at 2018-07-03 13:09:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 125.80 Mbit/s

95th percentile per-packet one-way delay: 87.231 ms

Loss rate: 0.00%

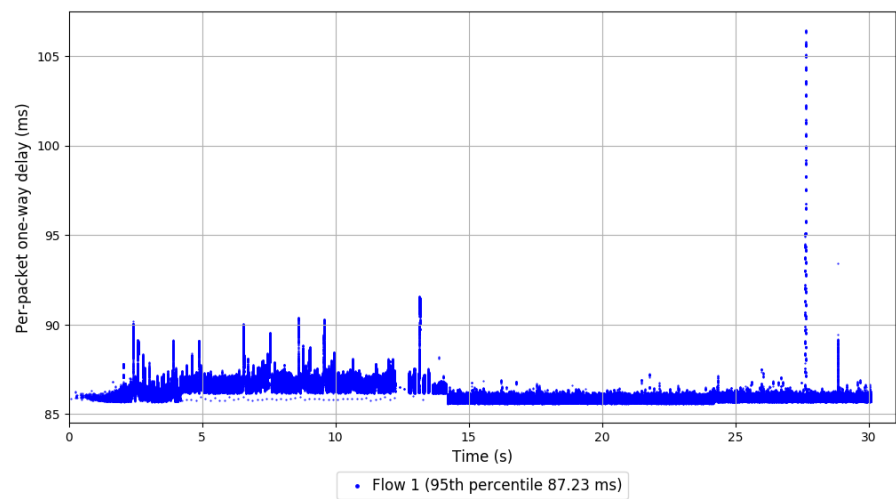
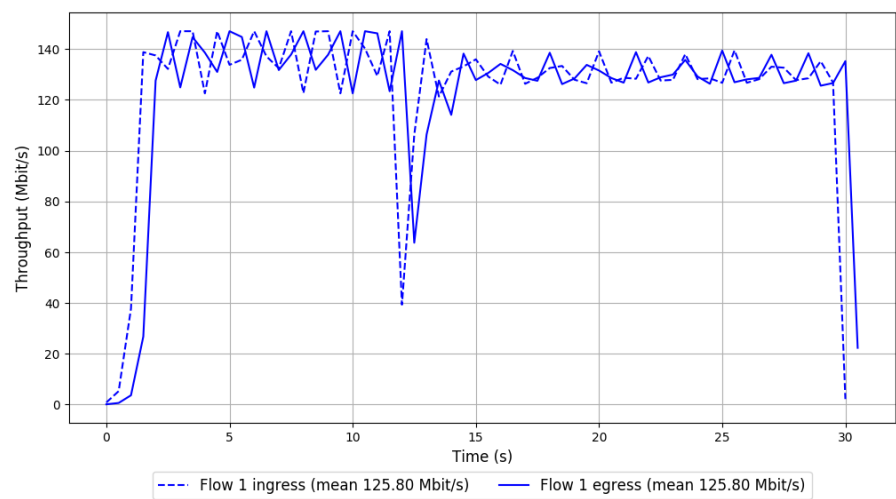
-- Flow 1:

Average throughput: 125.80 Mbit/s

95th percentile per-packet one-way delay: 87.231 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-03 11:14:53

End at: 2018-07-03 11:15:23

Local clock offset: 0.126 ms

Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-07-03 13:09:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 127.19 Mbit/s

95th percentile per-packet one-way delay: 87.860 ms

Loss rate: 0.00%

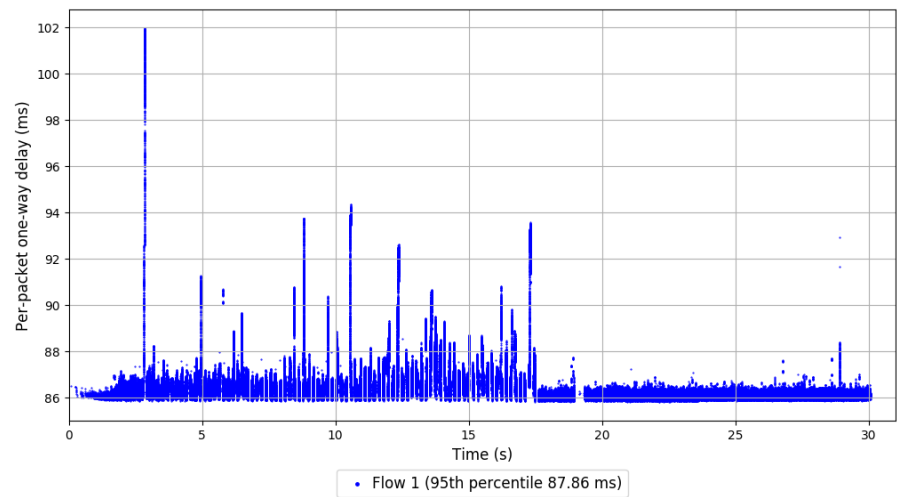
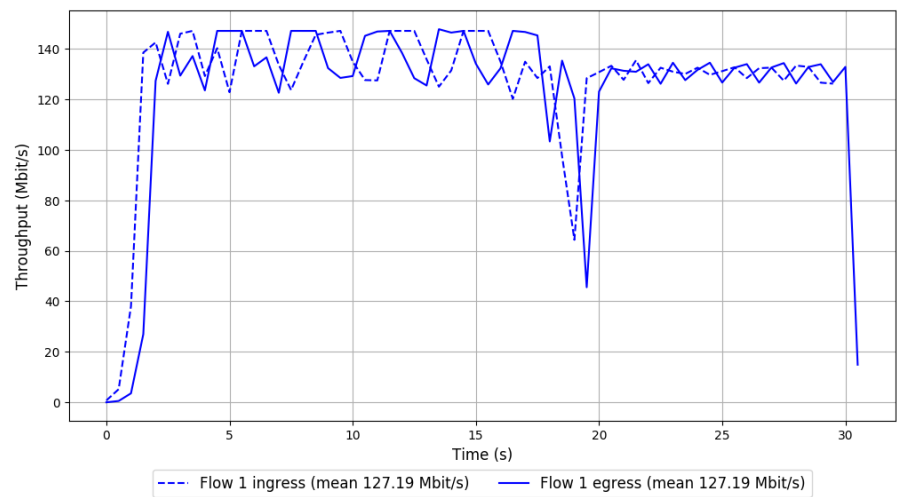
-- Flow 1:

Average throughput: 127.19 Mbit/s

95th percentile per-packet one-way delay: 87.860 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

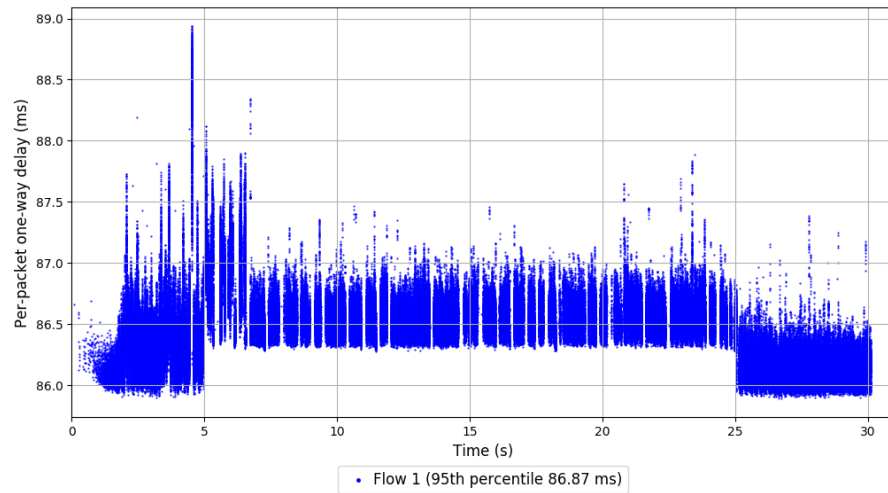
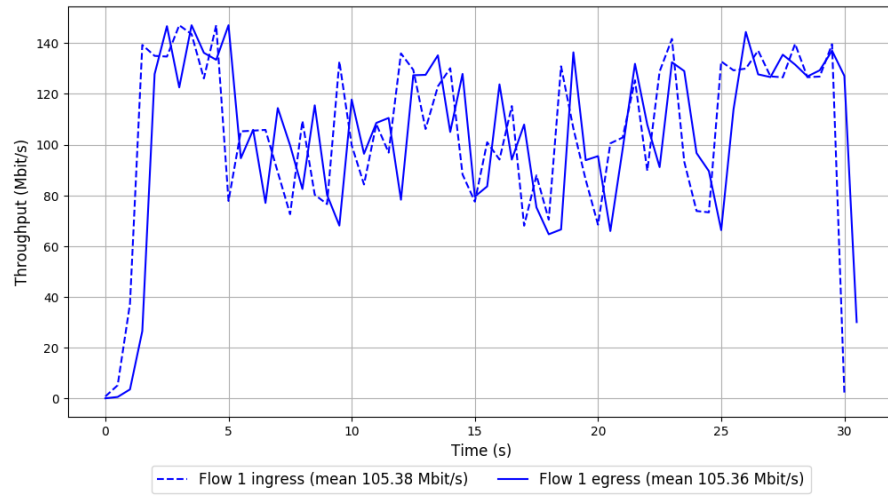


Run 7: Statistics of TCP BBR

Start at: 2018-07-03 11:37:11
End at: 2018-07-03 11:37:41
Local clock offset: 0.068 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-03 13:09:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 105.36 Mbit/s
95th percentile per-packet one-way delay: 86.870 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 105.36 Mbit/s
95th percentile per-packet one-way delay: 86.870 ms
Loss rate: 0.02%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-03 11:59:33

End at: 2018-07-03 12:00:03

Local clock offset: 0.182 ms

Remote clock offset: -0.127 ms

Below is generated by plot.py at 2018-07-03 13:09:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 125.22 Mbit/s

95th percentile per-packet one-way delay: 86.995 ms

Loss rate: 0.00%

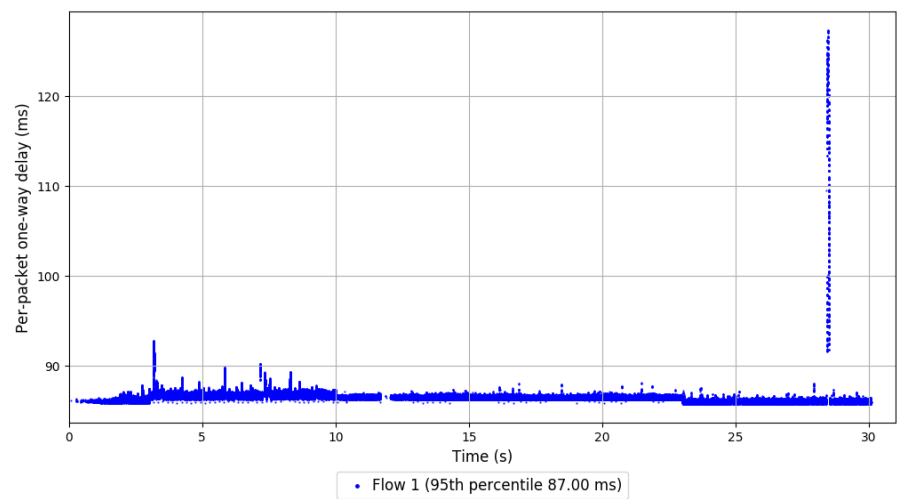
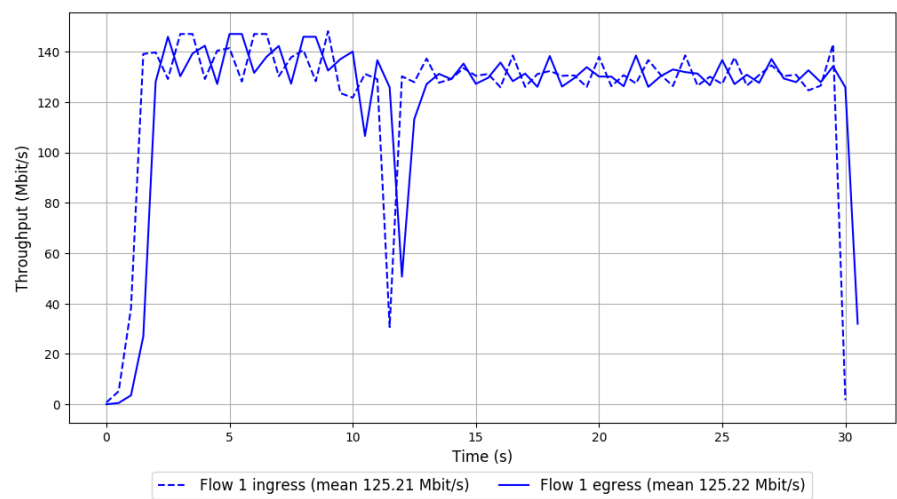
-- Flow 1:

Average throughput: 125.22 Mbit/s

95th percentile per-packet one-way delay: 86.995 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-03 12:21:58

End at: 2018-07-03 12:22:29

Local clock offset: -0.162 ms

Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-03 13:11:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 109.53 Mbit/s

95th percentile per-packet one-way delay: 87.446 ms

Loss rate: 0.01%

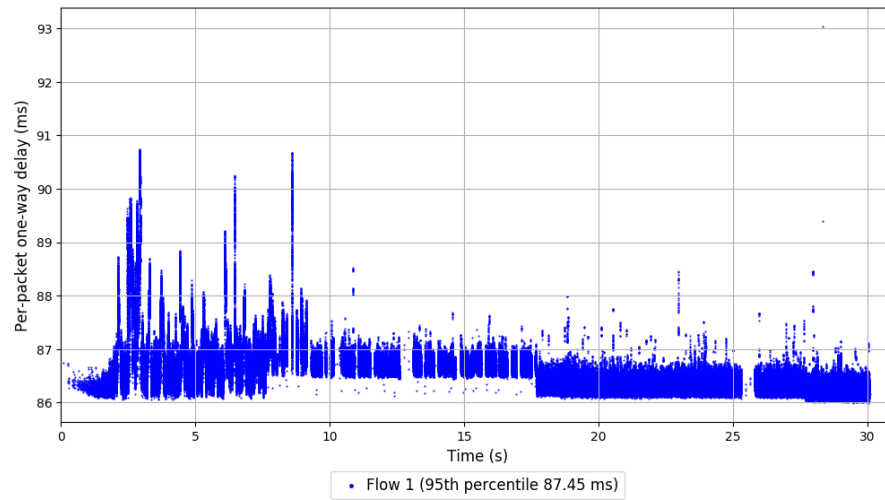
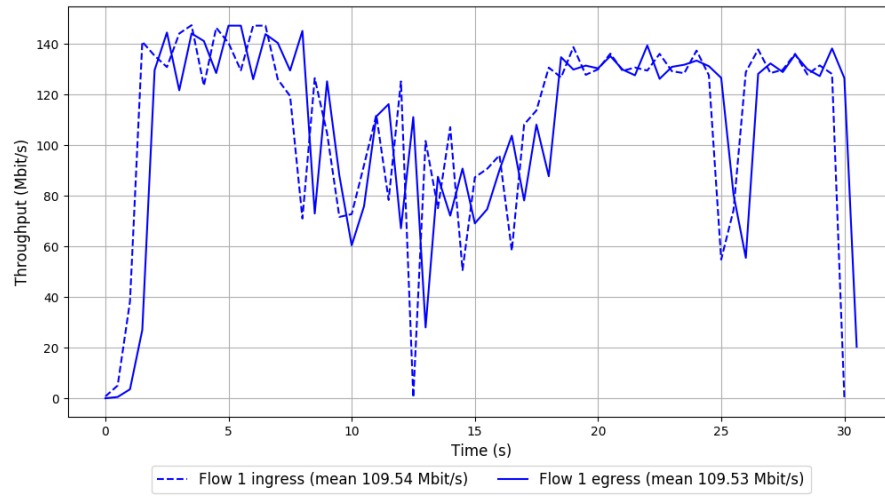
-- Flow 1:

Average throughput: 109.53 Mbit/s

95th percentile per-packet one-way delay: 87.446 ms

Loss rate: 0.01%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-03 12:44:22

End at: 2018-07-03 12:44:52

Local clock offset: -0.022 ms

Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-07-03 13:11:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 126.90 Mbit/s

95th percentile per-packet one-way delay: 86.968 ms

Loss rate: 0.00%

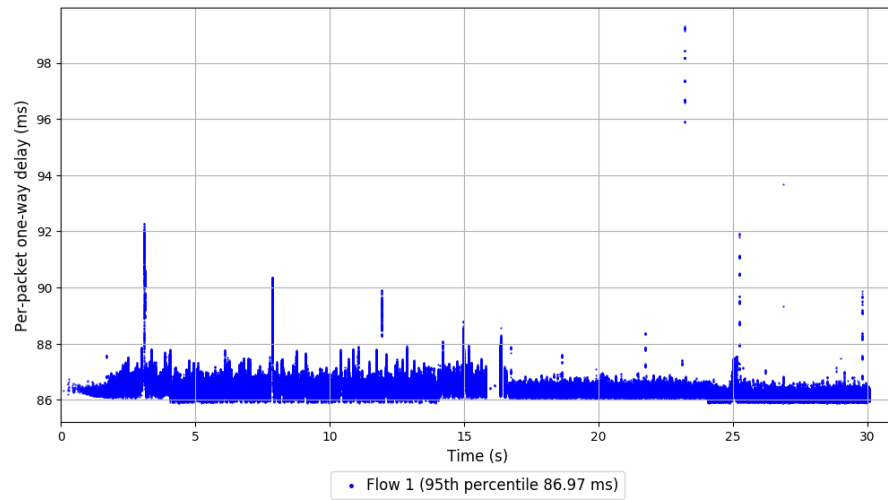
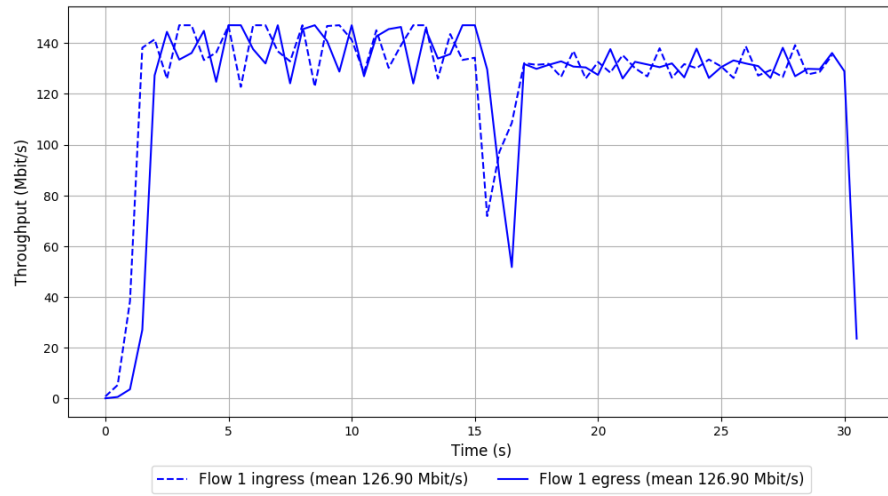
-- Flow 1:

Average throughput: 126.90 Mbit/s

95th percentile per-packet one-way delay: 86.968 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

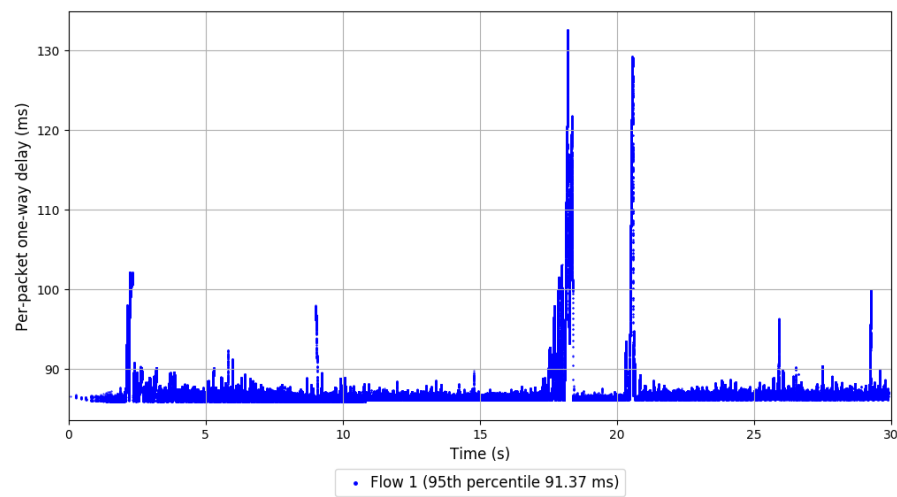
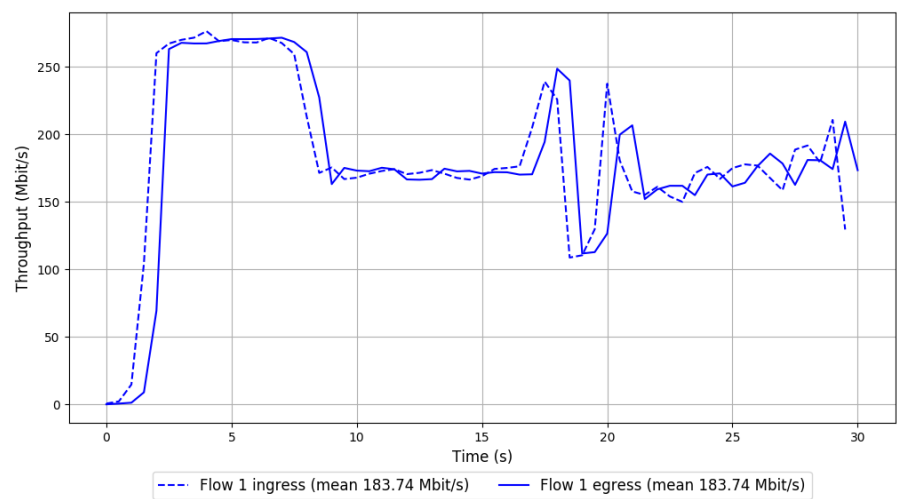


Run 1: Statistics of Copa

Start at: 2018-07-03 09:16:35
End at: 2018-07-03 09:17:05
Local clock offset: 0.044 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-07-03 13:15:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 183.74 Mbit/s
95th percentile per-packet one-way delay: 91.374 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 183.74 Mbit/s
95th percentile per-packet one-way delay: 91.374 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-03 09:38:48

End at: 2018-07-03 09:39:18

Local clock offset: 0.16 ms

Remote clock offset: 0.056 ms

Below is generated by plot.py at 2018-07-03 13:15:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.50 Mbit/s

95th percentile per-packet one-way delay: 91.652 ms

Loss rate: 0.00%

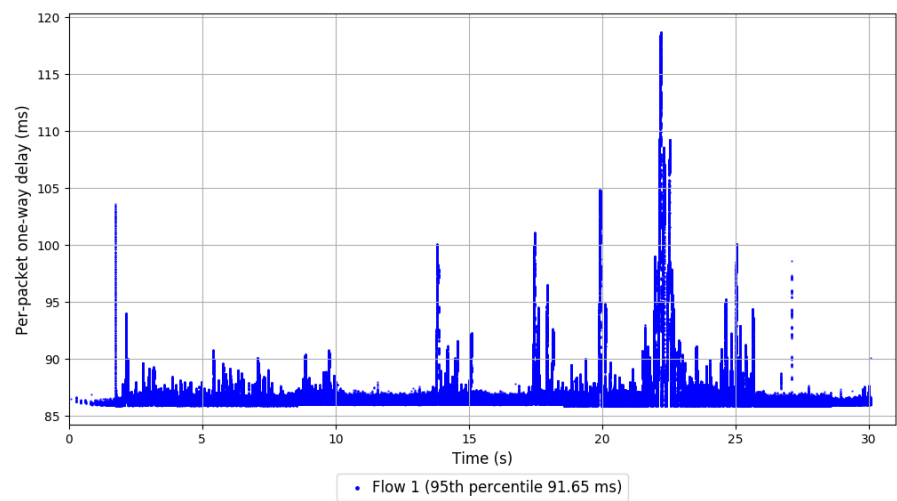
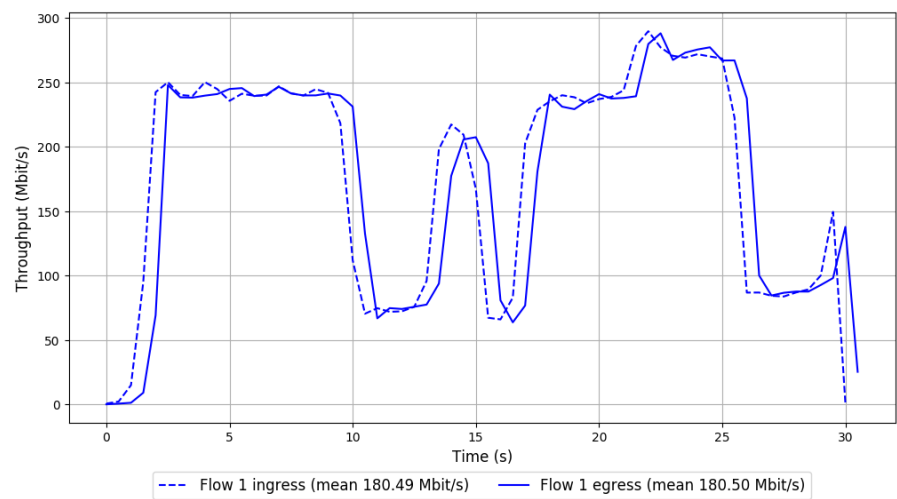
-- Flow 1:

Average throughput: 180.50 Mbit/s

95th percentile per-packet one-way delay: 91.652 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link

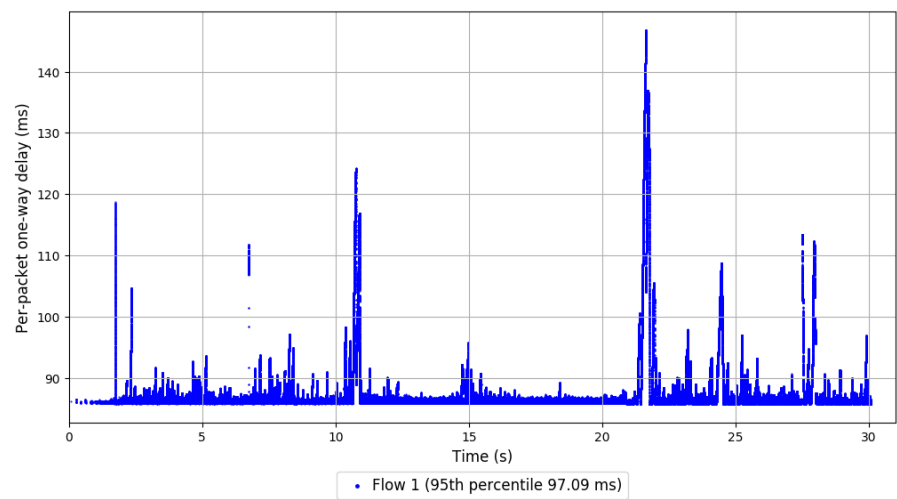
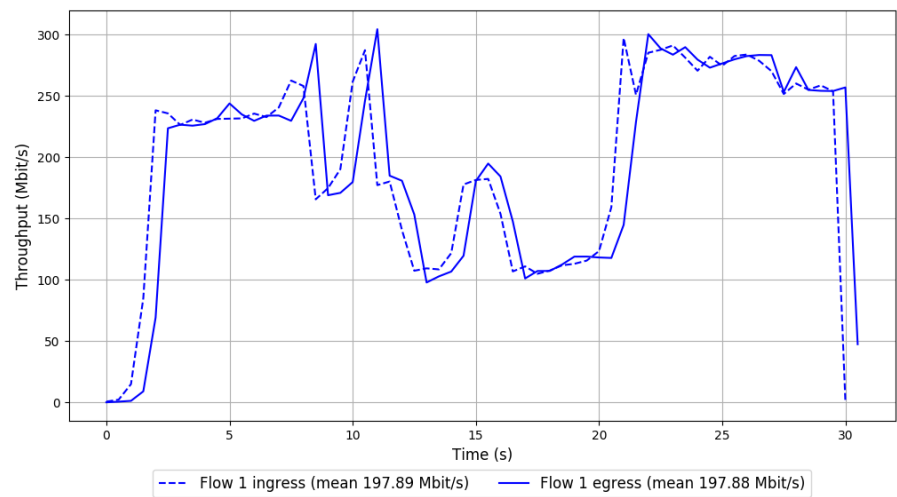


Run 3: Statistics of Copa

Start at: 2018-07-03 10:01:15
End at: 2018-07-03 10:01:45
Local clock offset: 0.163 ms
Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-07-03 13:15:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 197.88 Mbit/s
95th percentile per-packet one-way delay: 97.090 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 197.88 Mbit/s
95th percentile per-packet one-way delay: 97.090 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-03 10:23:48

End at: 2018-07-03 10:24:18

Local clock offset: 0.109 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-07-03 13:16:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.87 Mbit/s

95th percentile per-packet one-way delay: 97.522 ms

Loss rate: 0.00%

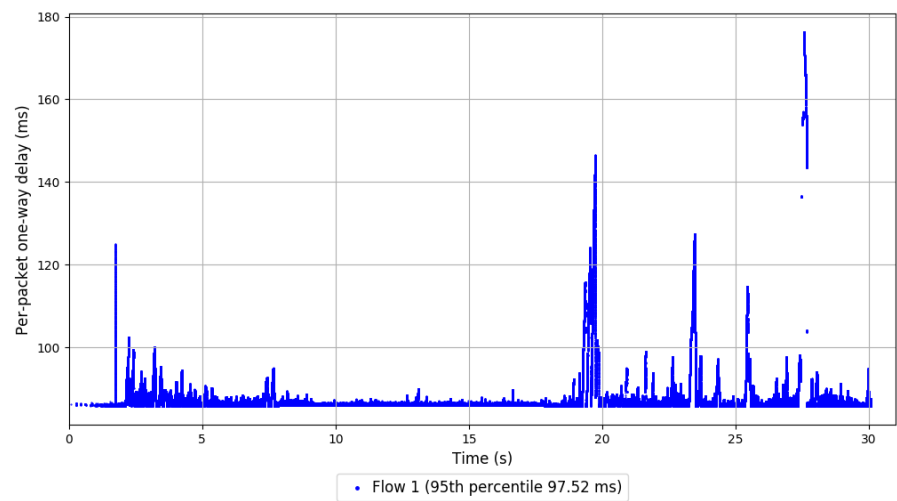
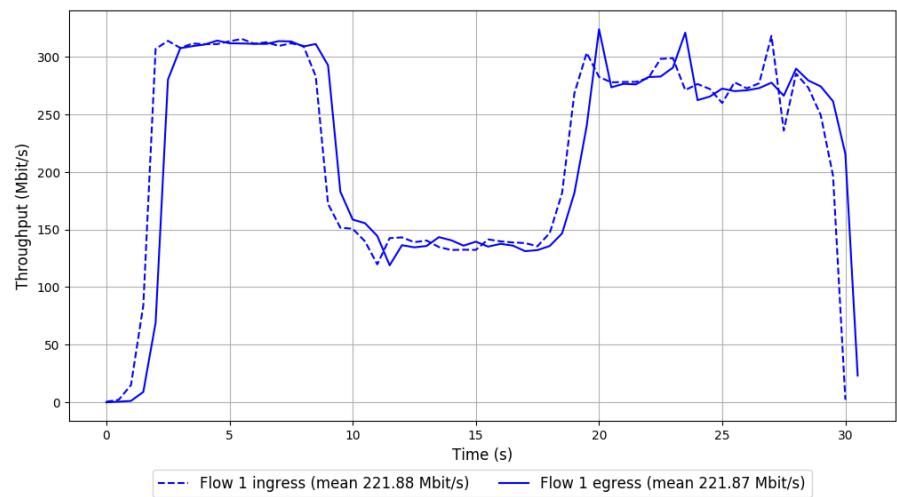
-- Flow 1:

Average throughput: 221.87 Mbit/s

95th percentile per-packet one-way delay: 97.522 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-03 10:46:03

End at: 2018-07-03 10:46:33

Local clock offset: 0.066 ms

Remote clock offset: 0.086 ms

Below is generated by plot.py at 2018-07-03 13:16:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 228.61 Mbit/s

95th percentile per-packet one-way delay: 94.944 ms

Loss rate: 0.00%

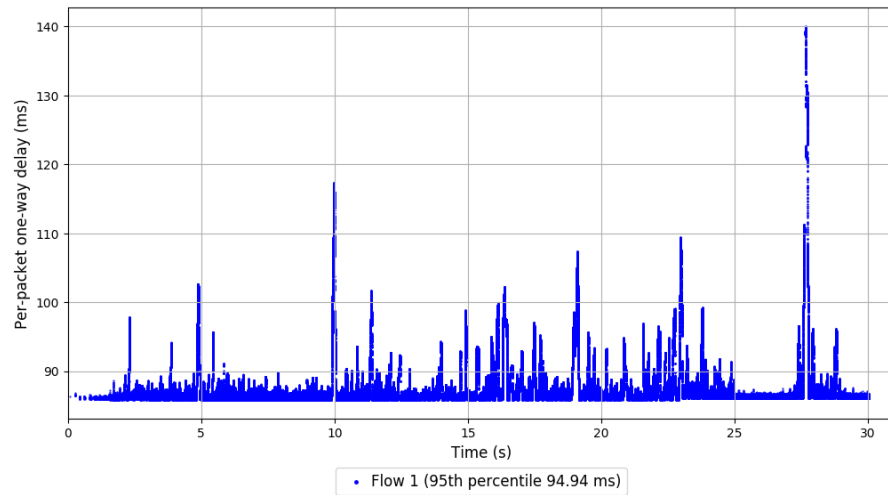
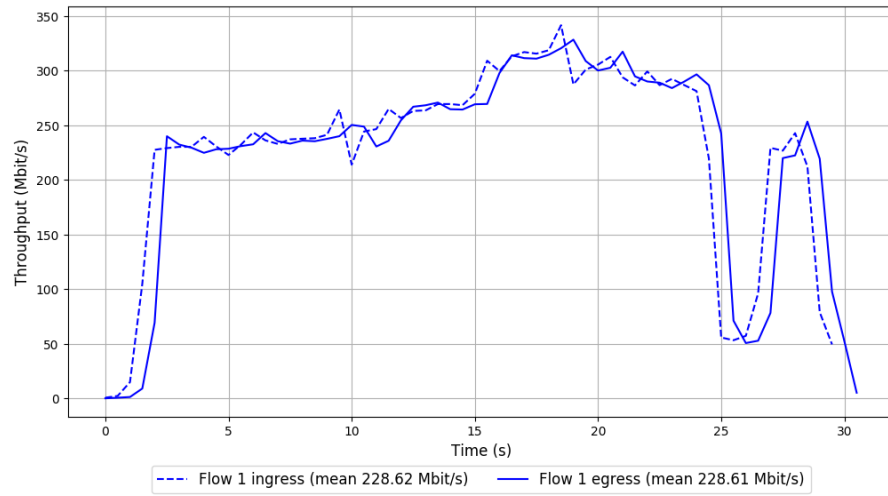
-- Flow 1:

Average throughput: 228.61 Mbit/s

95th percentile per-packet one-way delay: 94.944 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link

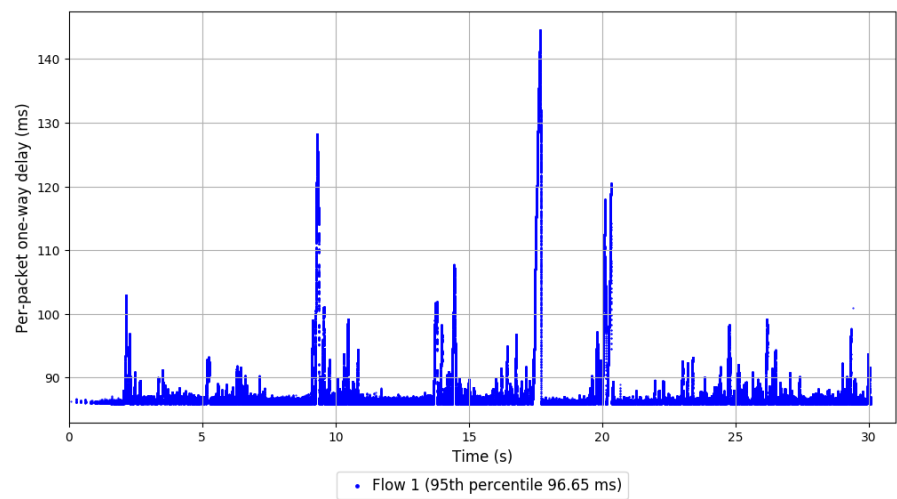
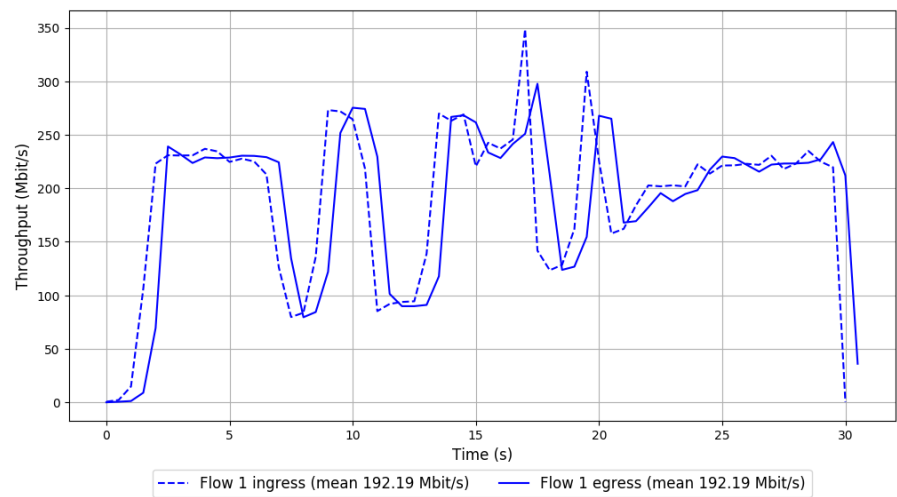


Run 6: Statistics of Copa

Start at: 2018-07-03 11:08:31
End at: 2018-07-03 11:09:01
Local clock offset: 0.119 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-03 13:16:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 192.19 Mbit/s
95th percentile per-packet one-way delay: 96.652 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 192.19 Mbit/s
95th percentile per-packet one-way delay: 96.652 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

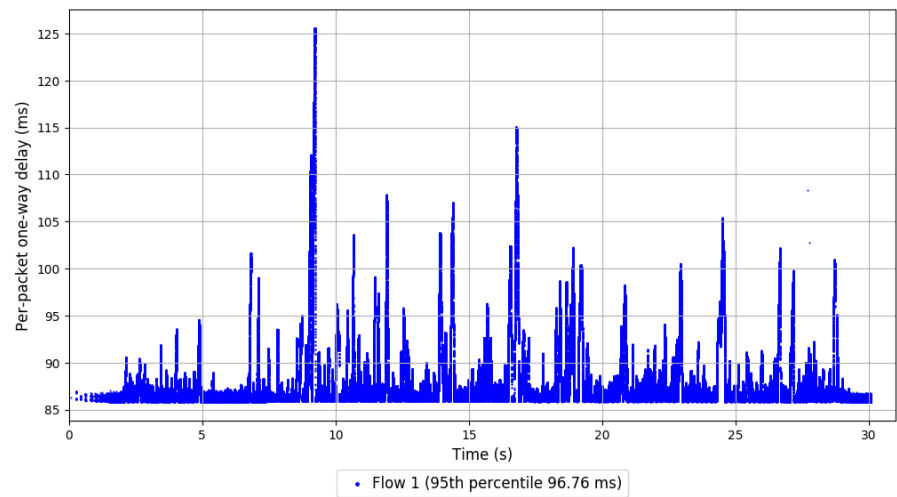
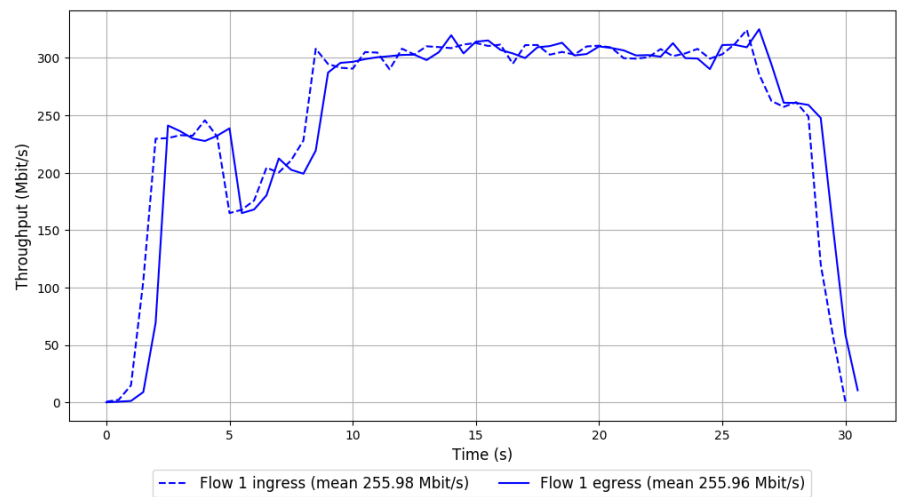


Run 7: Statistics of Copa

Start at: 2018-07-03 11:30:49
End at: 2018-07-03 11:31:19
Local clock offset: 0.142 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-07-03 13:19:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 255.96 Mbit/s
95th percentile per-packet one-way delay: 96.758 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 255.96 Mbit/s
95th percentile per-packet one-way delay: 96.758 ms
Loss rate: 0.01%

Run 7: Report of Copa — Data Link

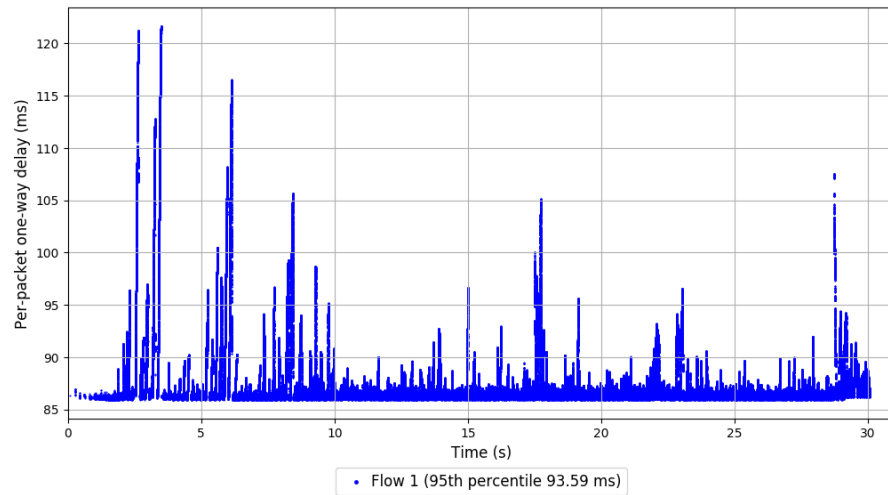
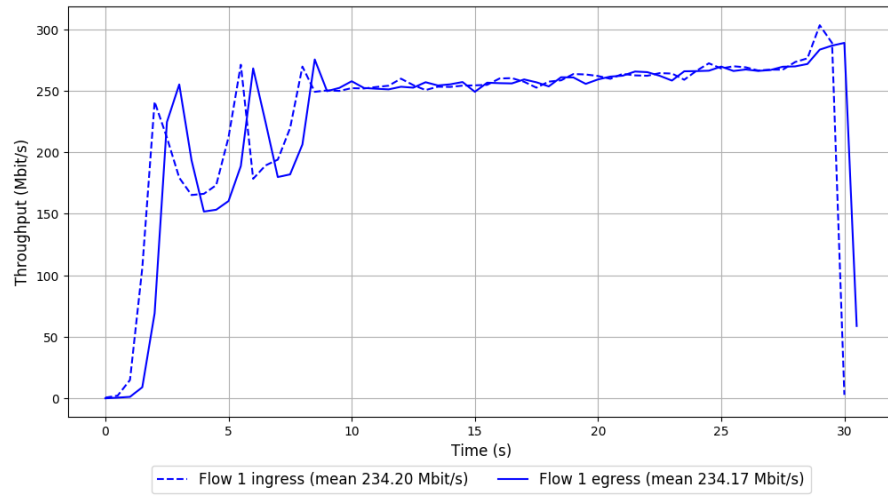


Run 8: Statistics of Copa

Start at: 2018-07-03 11:53:07
End at: 2018-07-03 11:53:37
Local clock offset: -0.027 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-07-03 13:19:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 234.17 Mbit/s
95th percentile per-packet one-way delay: 93.591 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 234.17 Mbit/s
95th percentile per-packet one-way delay: 93.591 ms
Loss rate: 0.01%

Run 8: Report of Copa — Data Link

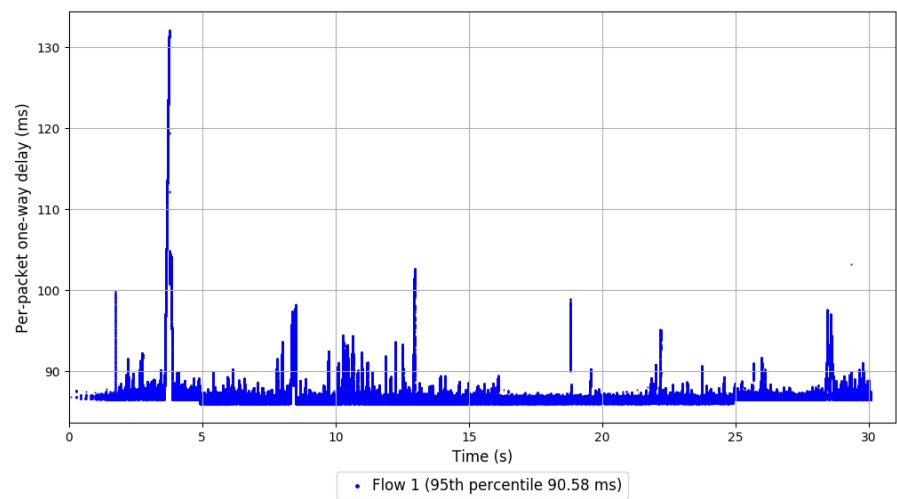
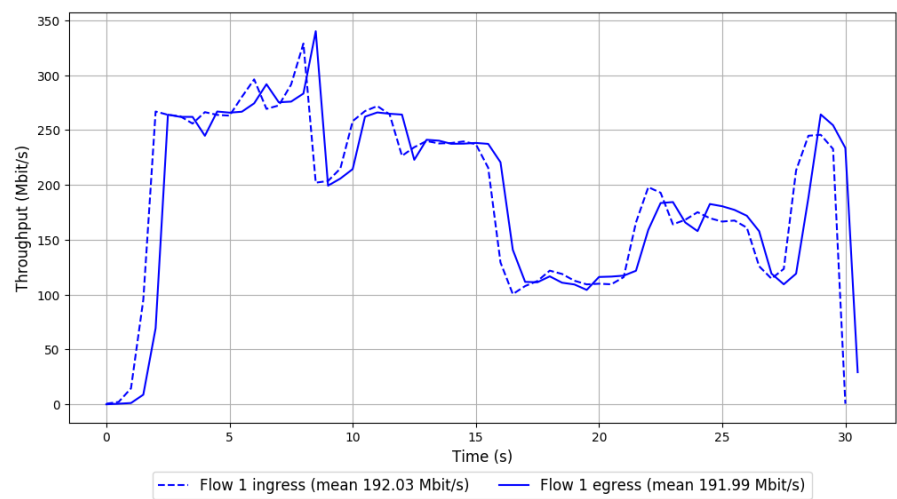


Run 9: Statistics of Copa

Start at: 2018-07-03 12:15:41
End at: 2018-07-03 12:16:11
Local clock offset: -0.148 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-03 13:21:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 191.99 Mbit/s
95th percentile per-packet one-way delay: 90.581 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 191.99 Mbit/s
95th percentile per-packet one-way delay: 90.581 ms
Loss rate: 0.02%

Run 9: Report of Copa — Data Link

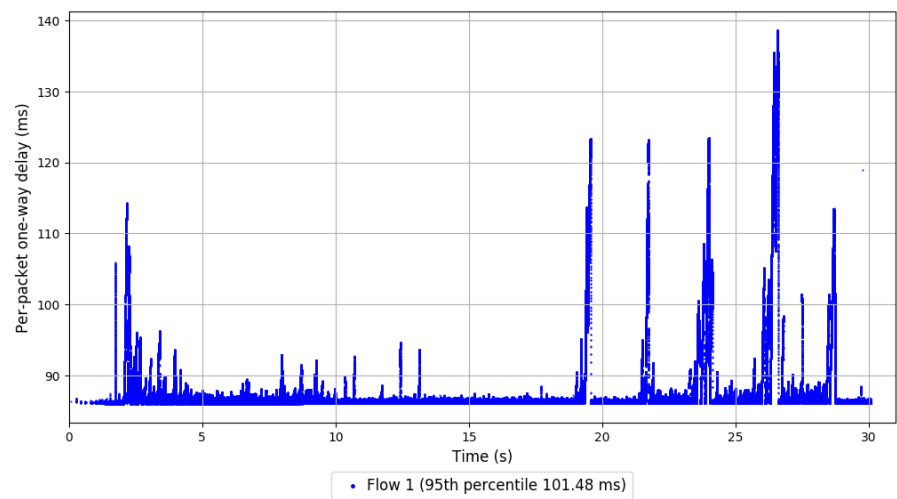
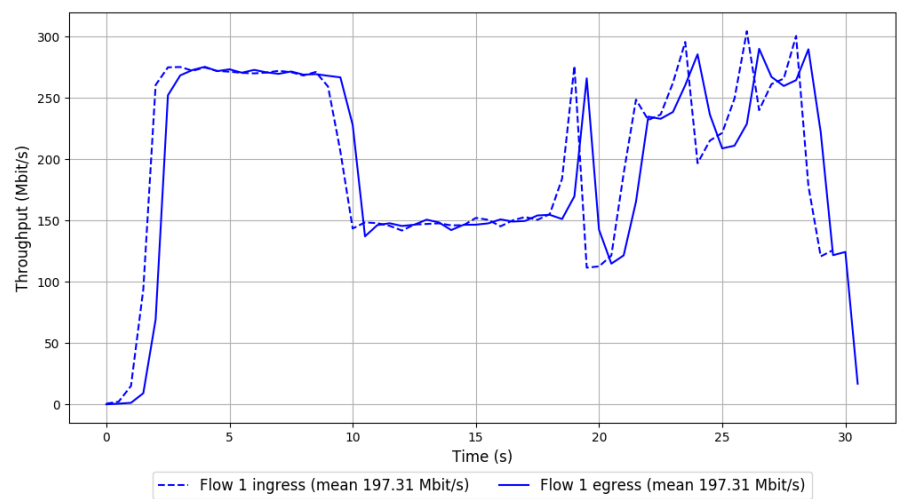


Run 10: Statistics of Copa

Start at: 2018-07-03 12:37:57
End at: 2018-07-03 12:38:27
Local clock offset: -0.176 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-03 13:21:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 197.31 Mbit/s
95th percentile per-packet one-way delay: 101.478 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 197.31 Mbit/s
95th percentile per-packet one-way delay: 101.478 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-03 09:21:44

End at: 2018-07-03 09:22:14

Local clock offset: 0.207 ms

Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-07-03 13:21:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.69 Mbit/s

95th percentile per-packet one-way delay: 95.647 ms

Loss rate: 0.00%

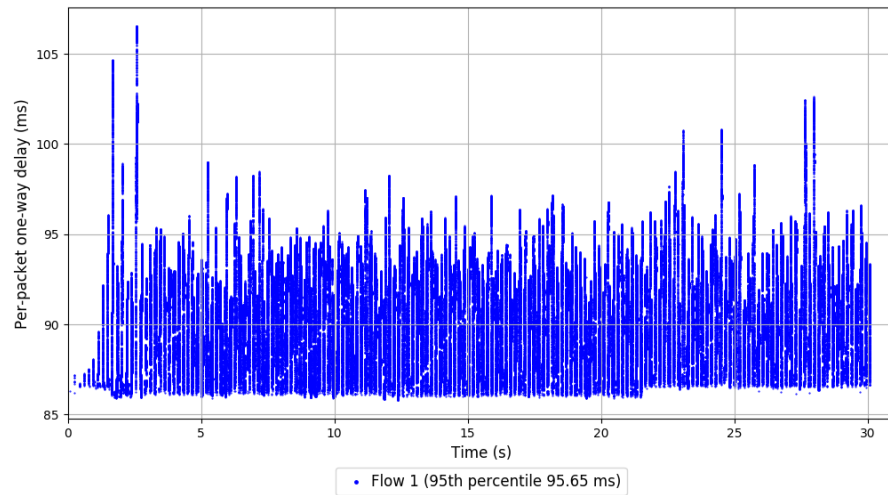
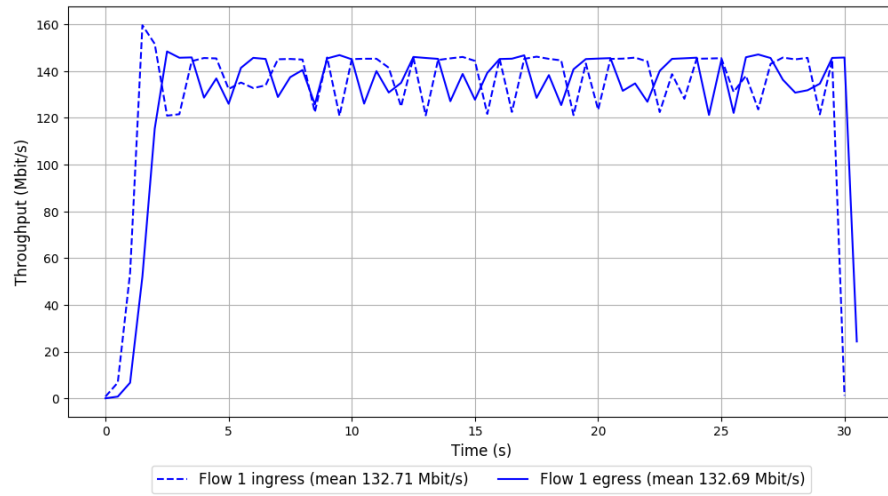
-- Flow 1:

Average throughput: 132.69 Mbit/s

95th percentile per-packet one-way delay: 95.647 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-03 09:44:00

End at: 2018-07-03 09:44:30

Local clock offset: 0.382 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-07-03 13:21:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.65 Mbit/s

95th percentile per-packet one-way delay: 95.359 ms

Loss rate: 0.00%

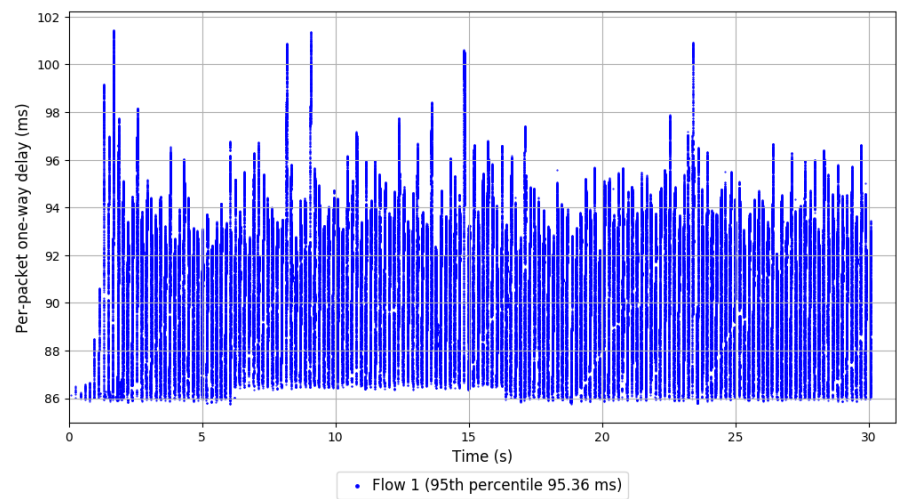
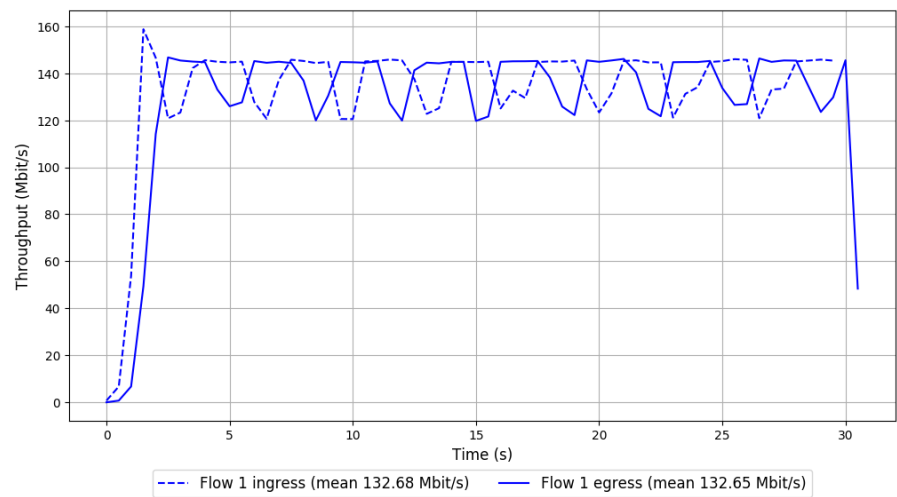
-- Flow 1:

Average throughput: 132.65 Mbit/s

95th percentile per-packet one-way delay: 95.359 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-07-03 10:06:28

End at: 2018-07-03 10:06:58

Local clock offset: -0.086 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-07-03 13:21:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.96 Mbit/s

95th percentile per-packet one-way delay: 98.090 ms

Loss rate: 0.07%

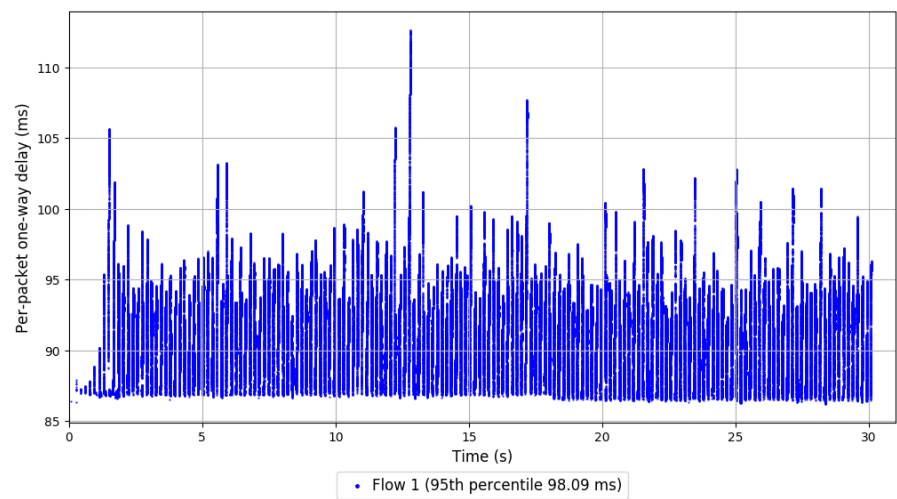
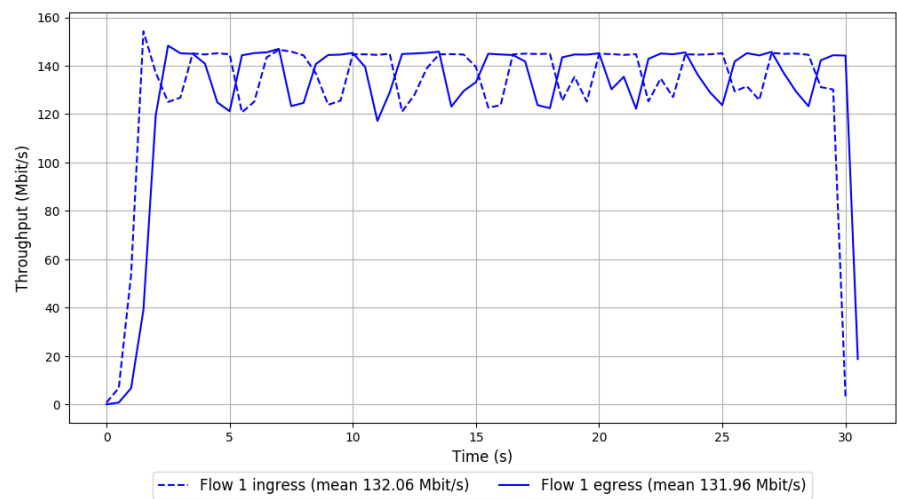
-- Flow 1:

Average throughput: 131.96 Mbit/s

95th percentile per-packet one-way delay: 98.090 ms

Loss rate: 0.07%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-03 10:29:01

End at: 2018-07-03 10:29:31

Local clock offset: 0.029 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-07-03 13:21:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.18 Mbit/s

95th percentile per-packet one-way delay: 96.979 ms

Loss rate: 0.00%

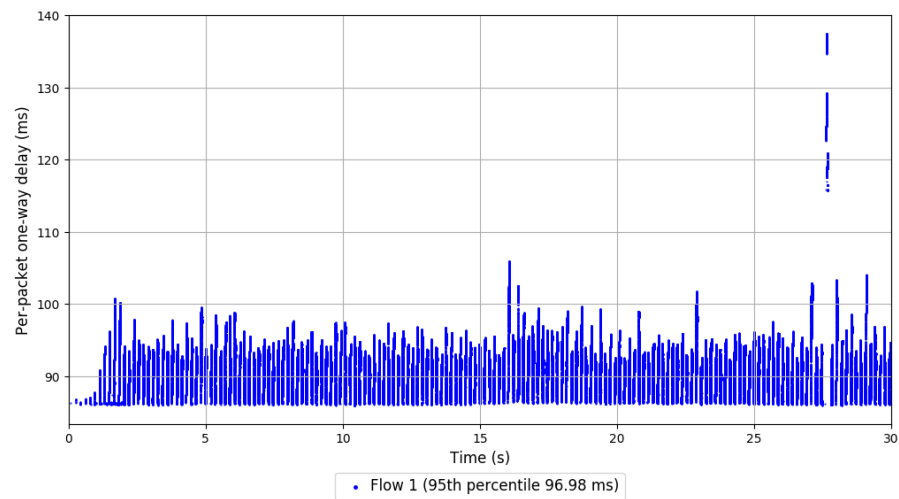
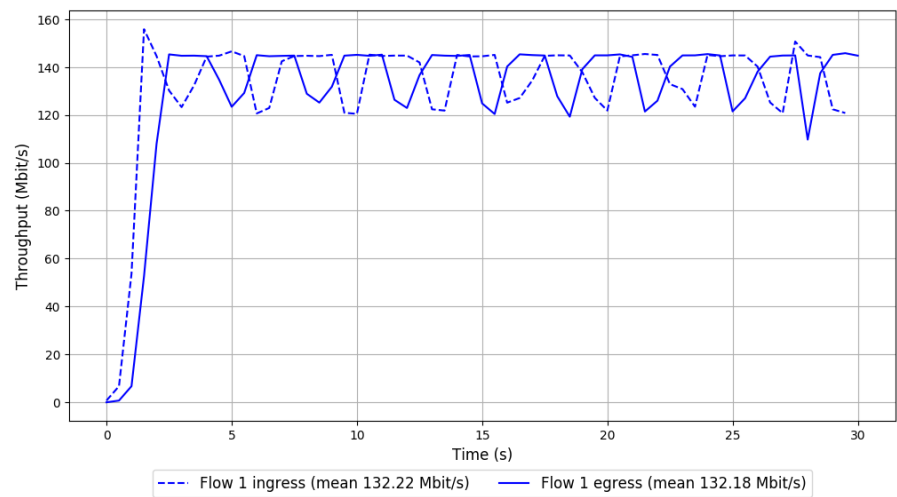
-- Flow 1:

Average throughput: 132.18 Mbit/s

95th percentile per-packet one-way delay: 96.979 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-03 10:51:20

End at: 2018-07-03 10:51:50

Local clock offset: 0.063 ms

Remote clock offset: 0.107 ms

Below is generated by plot.py at 2018-07-03 13:21:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 98.88 Mbit/s

95th percentile per-packet one-way delay: 97.302 ms

Loss rate: 0.12%

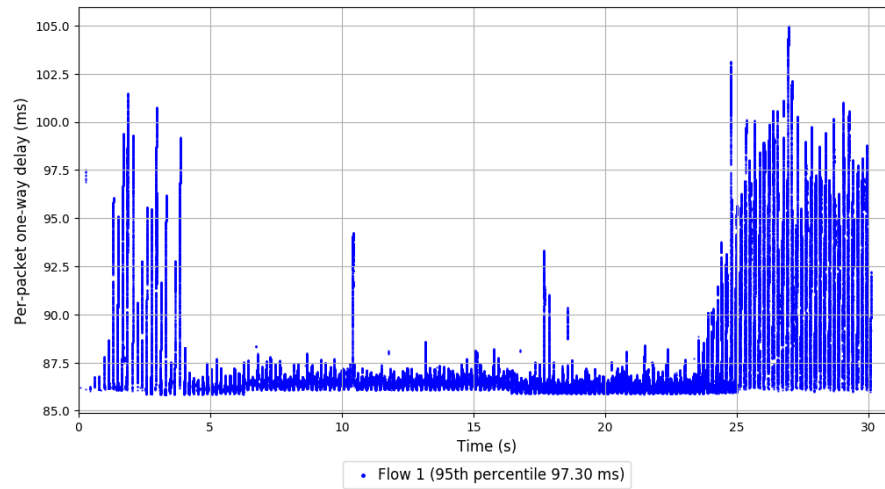
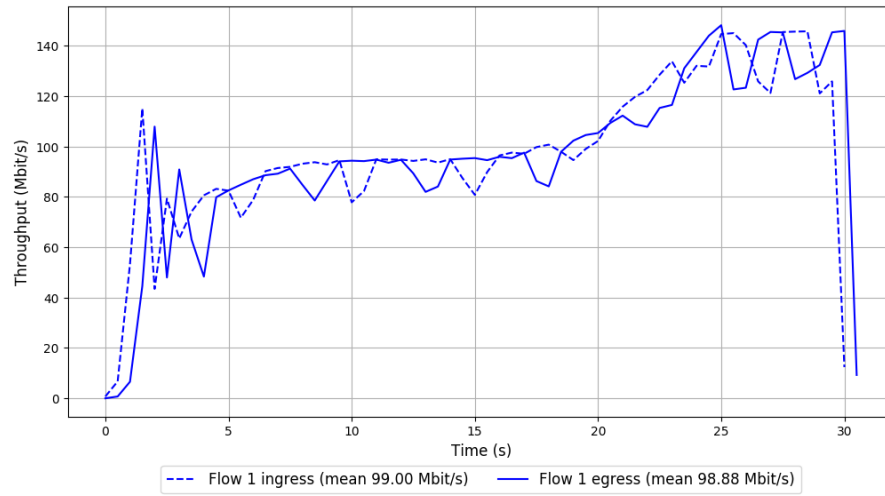
-- Flow 1:

Average throughput: 98.88 Mbit/s

95th percentile per-packet one-way delay: 97.302 ms

Loss rate: 0.12%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-03 11:13:39

End at: 2018-07-03 11:14:09

Local clock offset: -0.055 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-07-03 13:21:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.70 Mbit/s

95th percentile per-packet one-way delay: 96.735 ms

Loss rate: 0.00%

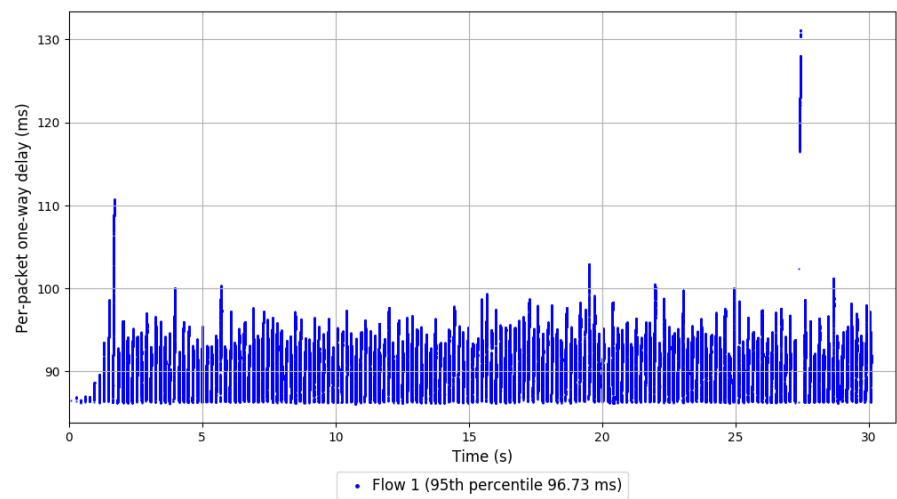
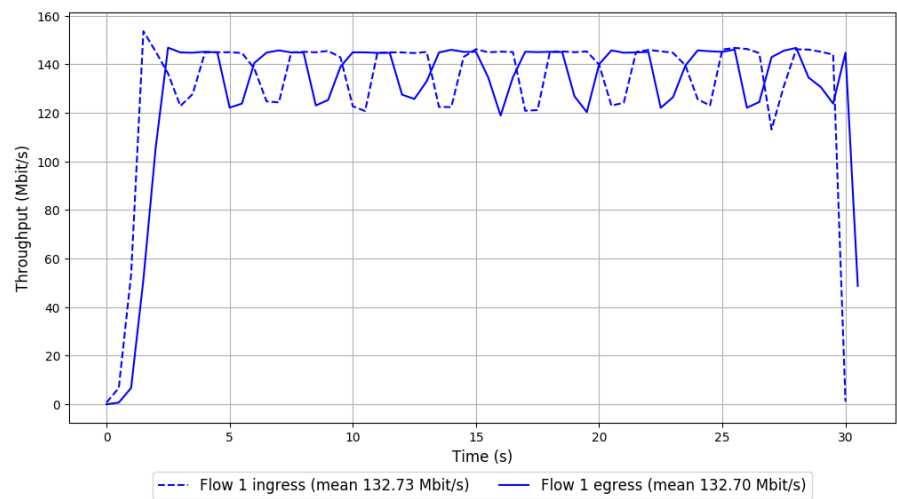
-- Flow 1:

Average throughput: 132.70 Mbit/s

95th percentile per-packet one-way delay: 96.735 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link

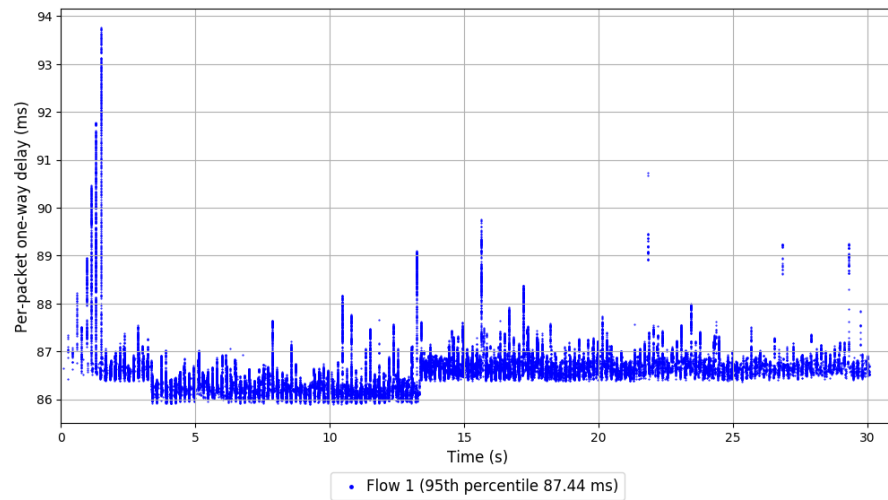
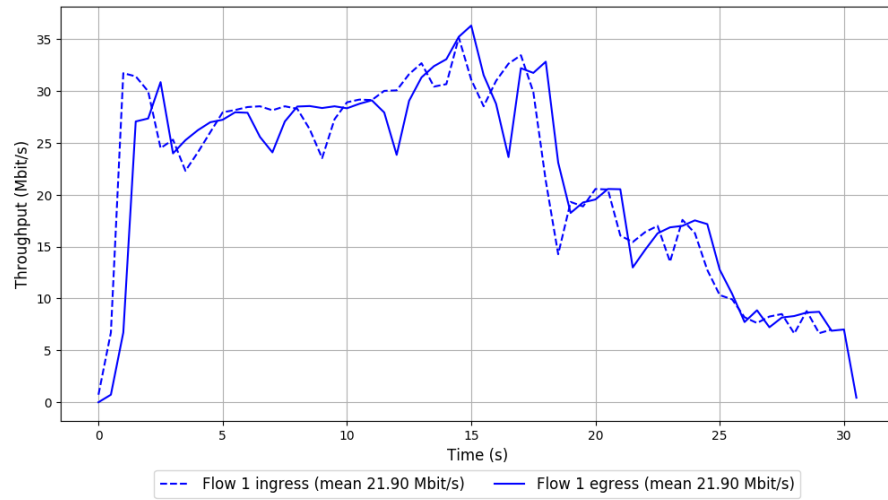


Run 7: Statistics of TCP Cubic

Start at: 2018-07-03 11:36:03
End at: 2018-07-03 11:36:33
Local clock offset: -0.073 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2018-07-03 13:21:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.90 Mbit/s
95th percentile per-packet one-way delay: 87.445 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 21.90 Mbit/s
95th percentile per-packet one-way delay: 87.445 ms
Loss rate: 0.02%

Run 7: Report of TCP Cubic — Data Link

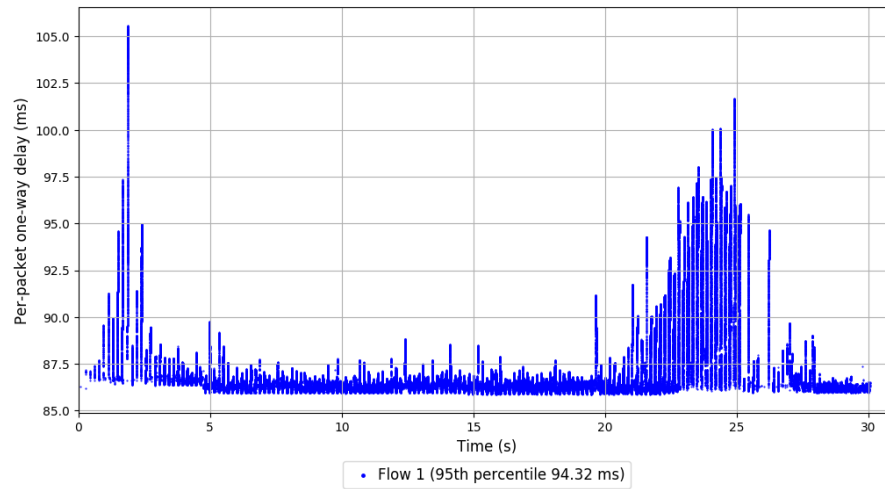
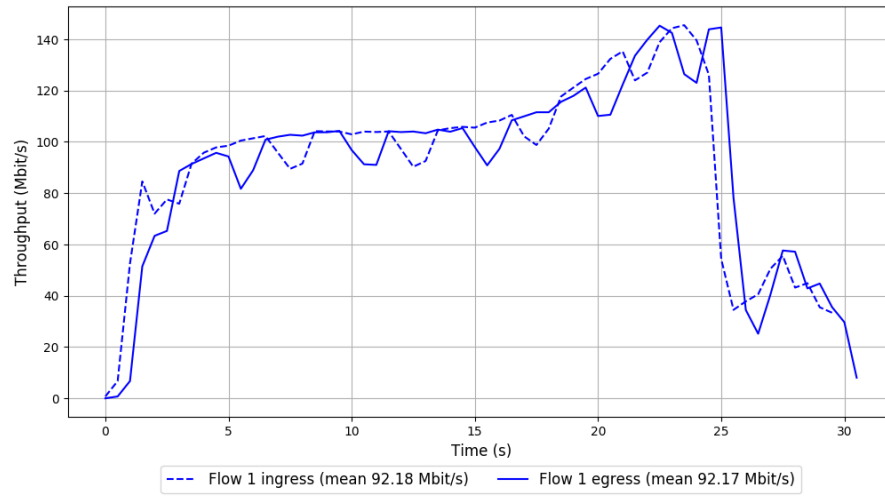


Run 8: Statistics of TCP Cubic

Start at: 2018-07-03 11:58:21
End at: 2018-07-03 11:58:51
Local clock offset: -0.029 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-07-03 13:21:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.17 Mbit/s
95th percentile per-packet one-way delay: 94.321 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.17 Mbit/s
95th percentile per-packet one-way delay: 94.321 ms
Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-03 12:20:50

End at: 2018-07-03 12:21:20

Local clock offset: -0.027 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-07-03 13:21:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.62 Mbit/s

95th percentile per-packet one-way delay: 90.313 ms

Loss rate: 0.03%

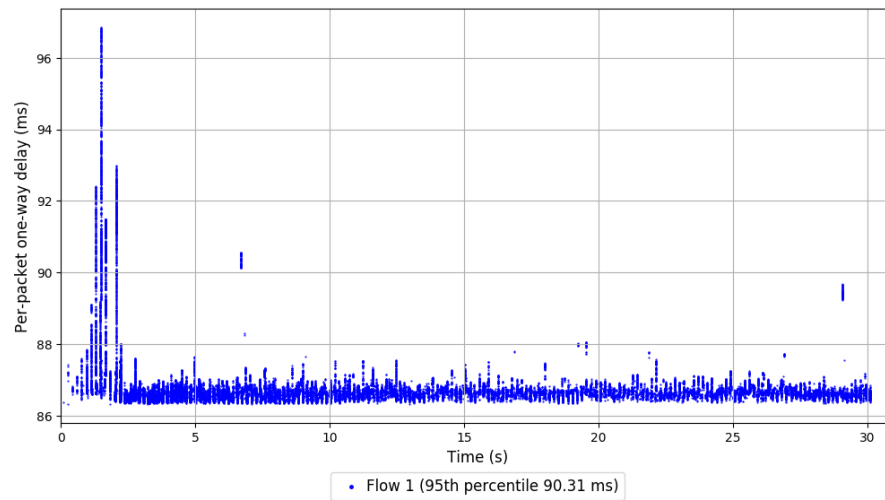
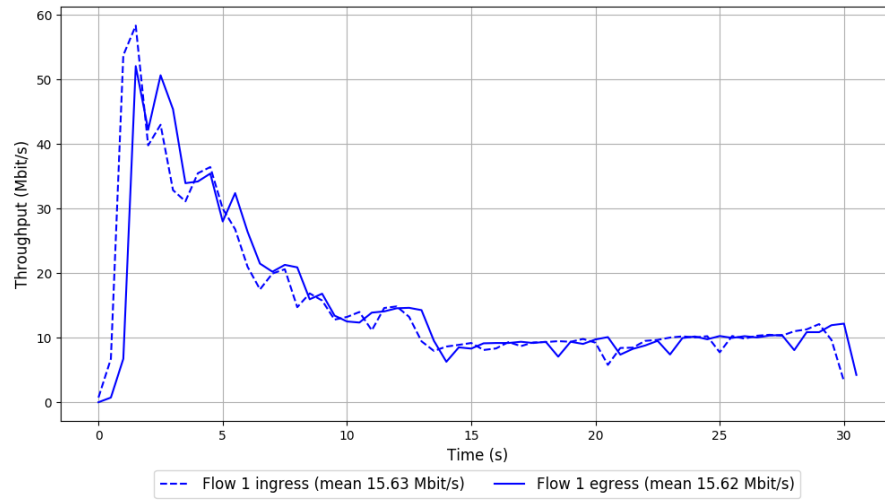
-- Flow 1:

Average throughput: 15.62 Mbit/s

95th percentile per-packet one-way delay: 90.313 ms

Loss rate: 0.03%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-03 12:43:10

End at: 2018-07-03 12:43:40

Local clock offset: 0.085 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-03 13:21:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 100.34 Mbit/s

95th percentile per-packet one-way delay: 93.580 ms

Loss rate: 0.00%

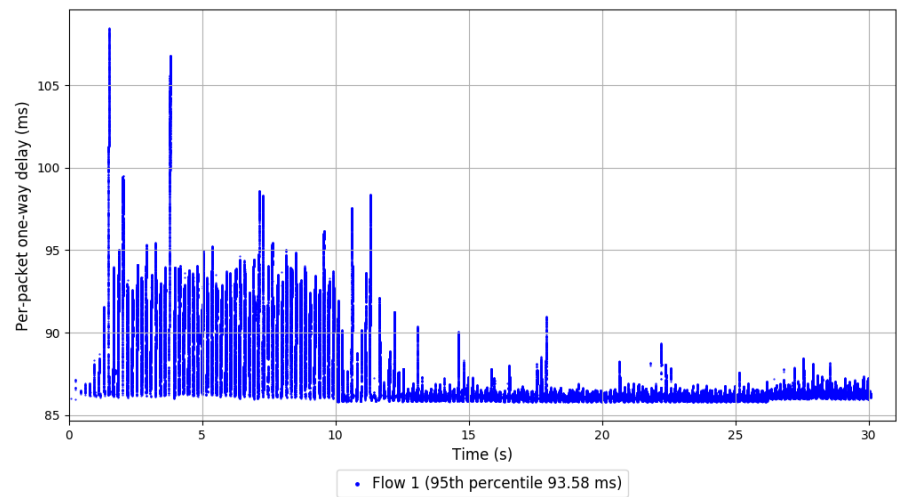
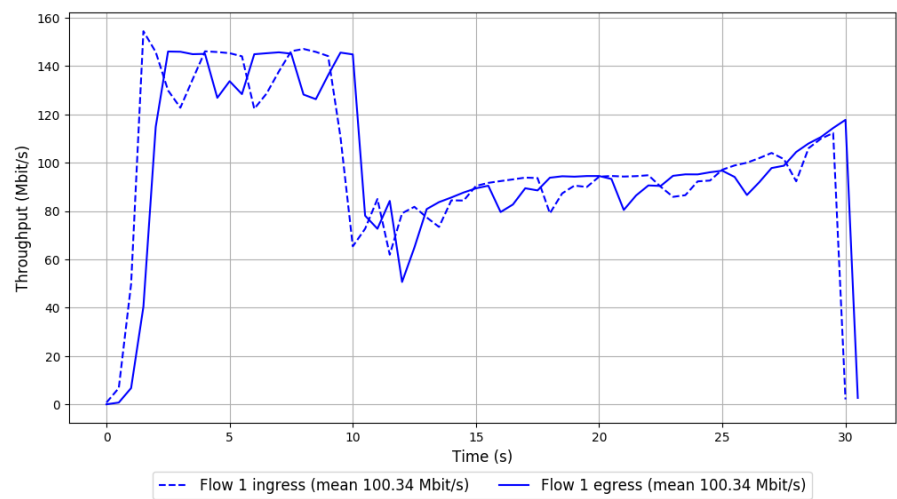
-- Flow 1:

Average throughput: 100.34 Mbit/s

95th percentile per-packet one-way delay: 93.580 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

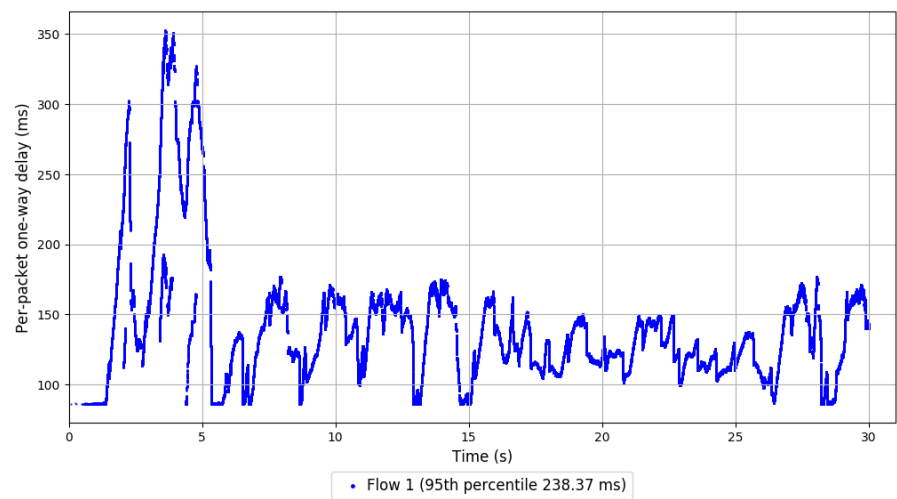
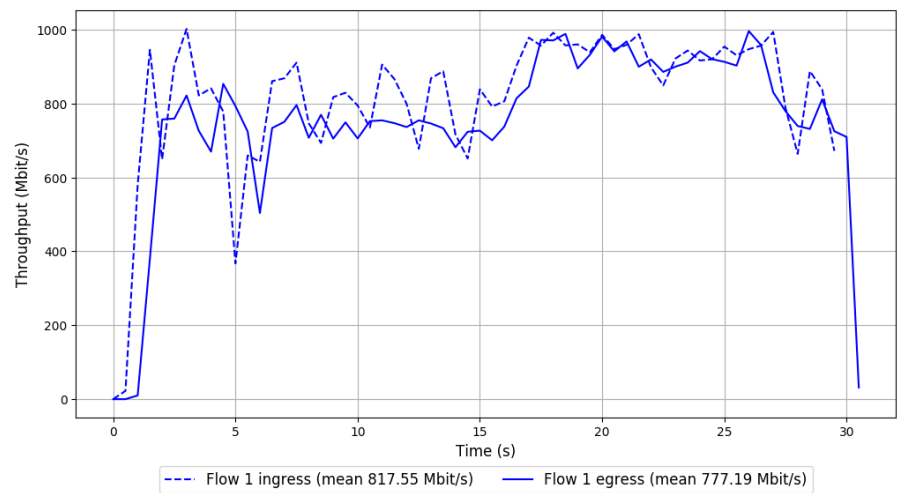


Run 1: Statistics of FillP

Start at: 2018-07-03 09:24:11
End at: 2018-07-03 09:24:41
Local clock offset: 0.077 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-03 13:35:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 777.19 Mbit/s
95th percentile per-packet one-way delay: 238.368 ms
Loss rate: 4.91%
-- Flow 1:
Average throughput: 777.19 Mbit/s
95th percentile per-packet one-way delay: 238.368 ms
Loss rate: 4.91%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-03 09:46:27

End at: 2018-07-03 09:46:57

Local clock offset: 0.212 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-07-03 13:35:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 718.91 Mbit/s

95th percentile per-packet one-way delay: 245.846 ms

Loss rate: 4.39%

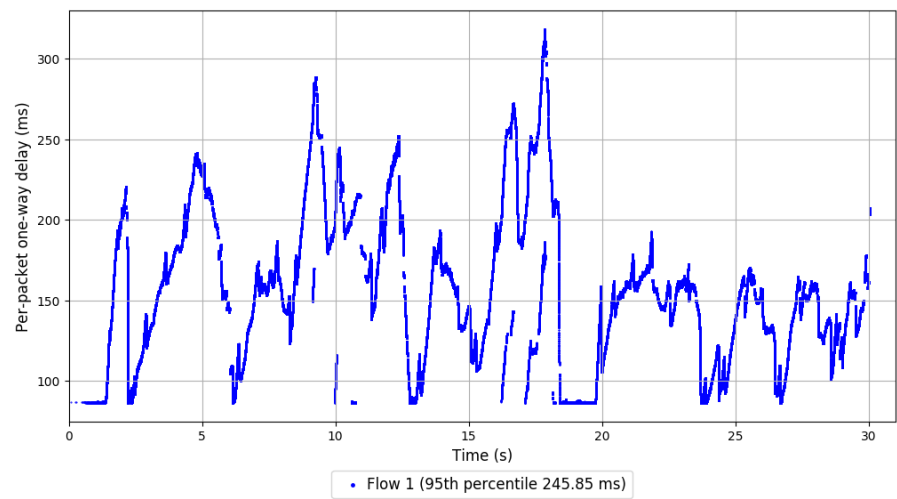
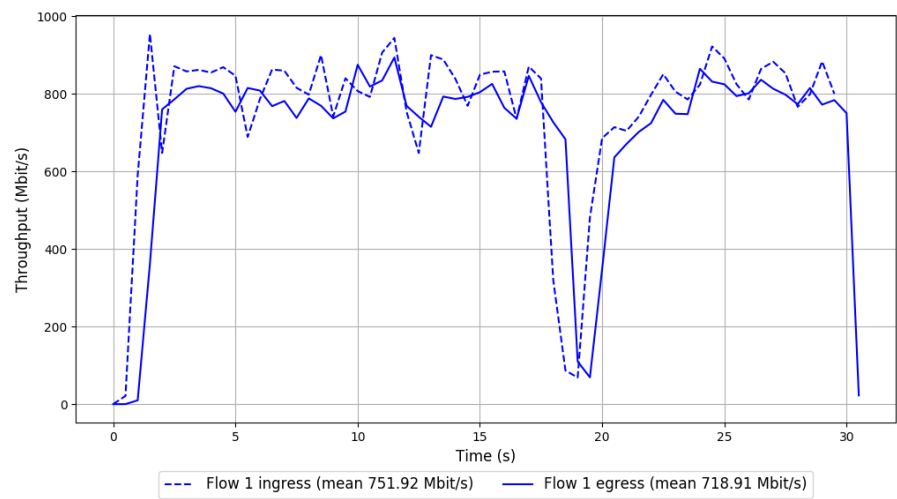
-- Flow 1:

Average throughput: 718.91 Mbit/s

95th percentile per-packet one-way delay: 245.846 ms

Loss rate: 4.39%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-03 10:08:55

End at: 2018-07-03 10:09:25

Local clock offset: 0.015 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-03 13:35:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 731.09 Mbit/s

95th percentile per-packet one-way delay: 187.534 ms

Loss rate: 6.62%

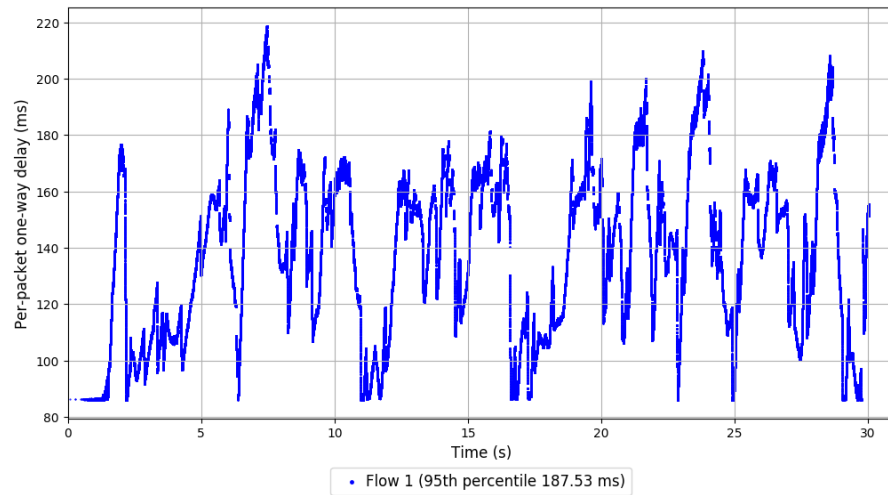
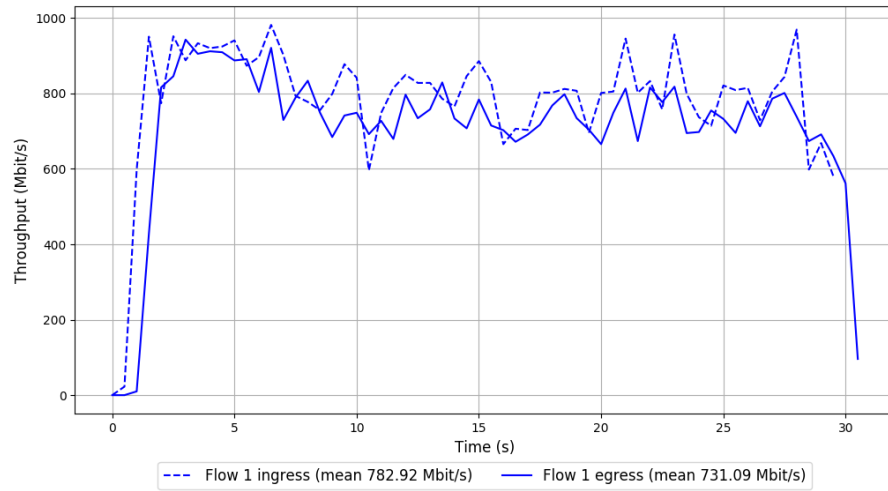
-- Flow 1:

Average throughput: 731.09 Mbit/s

95th percentile per-packet one-way delay: 187.534 ms

Loss rate: 6.62%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-03 10:31:28

End at: 2018-07-03 10:31:58

Local clock offset: 0.086 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2018-07-03 13:36:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 786.41 Mbit/s

95th percentile per-packet one-way delay: 201.847 ms

Loss rate: 5.81%

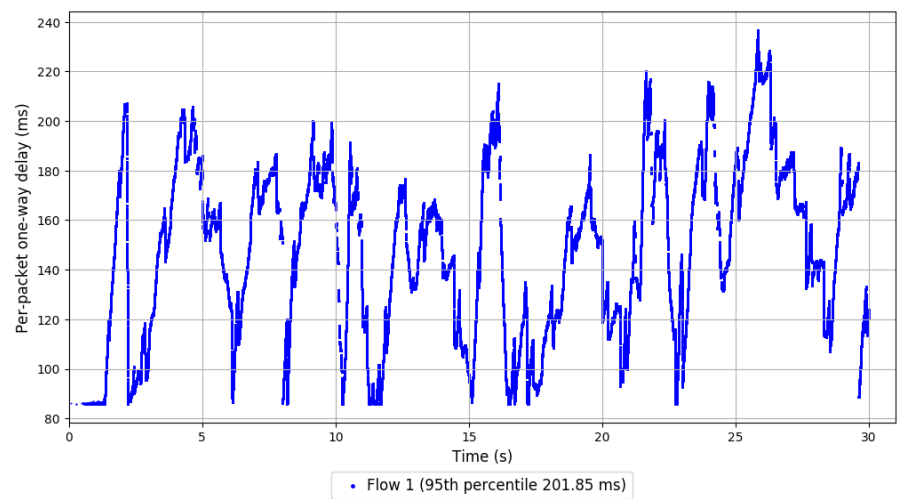
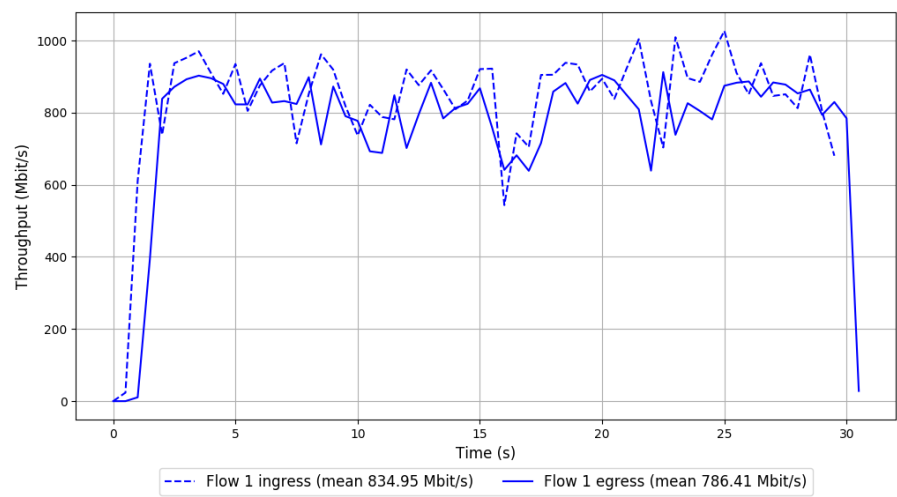
-- Flow 1:

Average throughput: 786.41 Mbit/s

95th percentile per-packet one-way delay: 201.847 ms

Loss rate: 5.81%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-03 10:53:45

End at: 2018-07-03 10:54:15

Local clock offset: 0.101 ms

Remote clock offset: 0.088 ms

Below is generated by plot.py at 2018-07-03 13:36:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 666.27 Mbit/s

95th percentile per-packet one-way delay: 174.653 ms

Loss rate: 8.56%

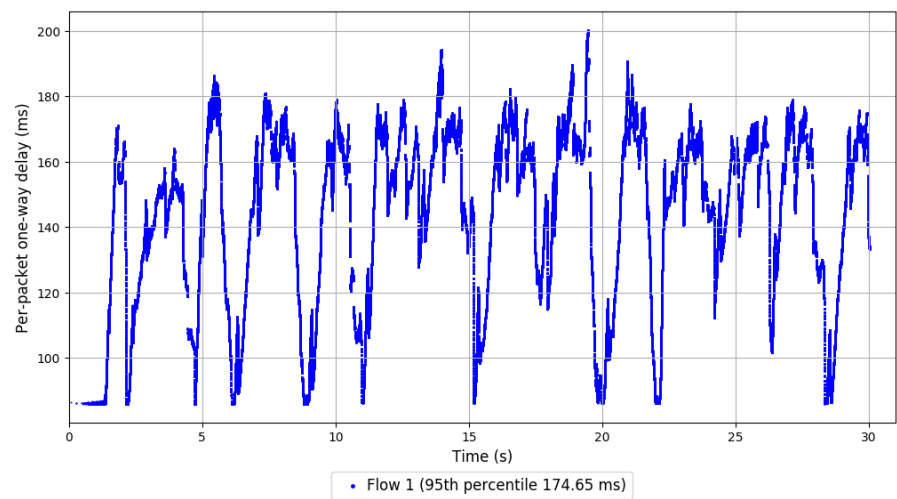
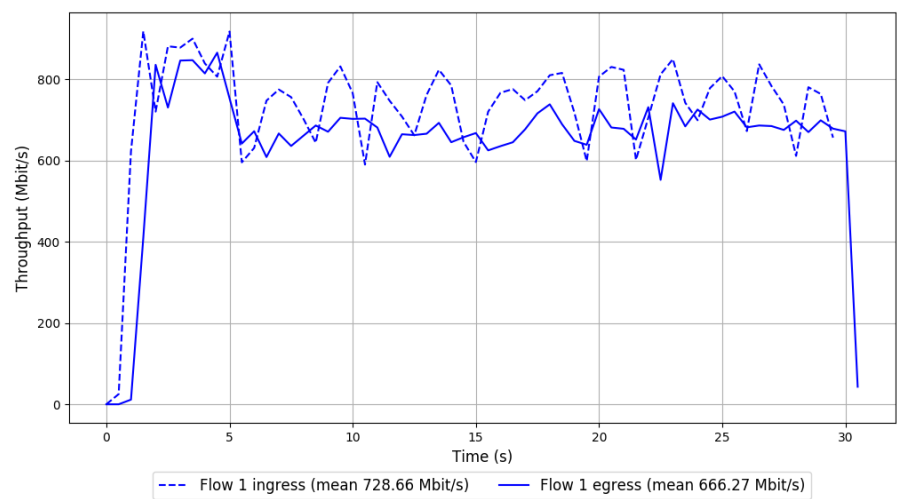
-- Flow 1:

Average throughput: 666.27 Mbit/s

95th percentile per-packet one-way delay: 174.653 ms

Loss rate: 8.56%

Run 5: Report of FillP — Data Link

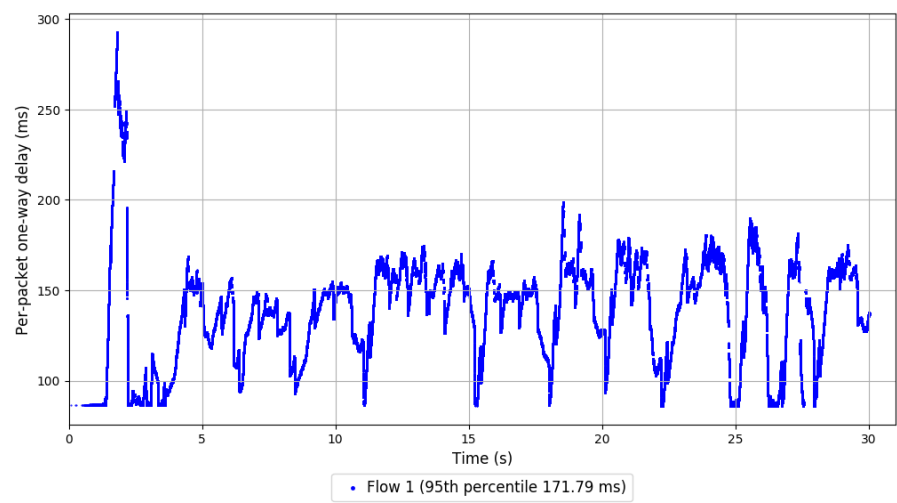
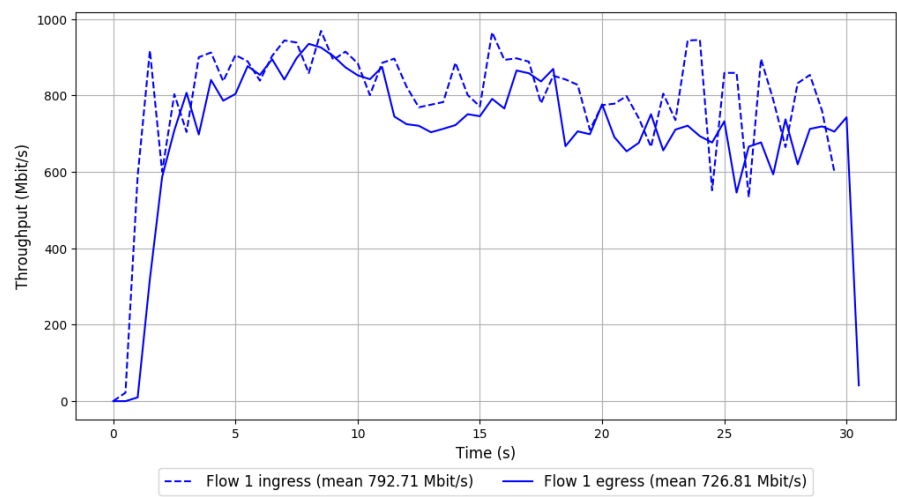


Run 6: Statistics of FillP

Start at: 2018-07-03 11:16:06
End at: 2018-07-03 11:16:36
Local clock offset: 0.121 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-03 13:36:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 726.81 Mbit/s
95th percentile per-packet one-way delay: 171.794 ms
Loss rate: 8.30%
-- Flow 1:
Average throughput: 726.81 Mbit/s
95th percentile per-packet one-way delay: 171.794 ms
Loss rate: 8.30%

Run 6: Report of FillP — Data Link

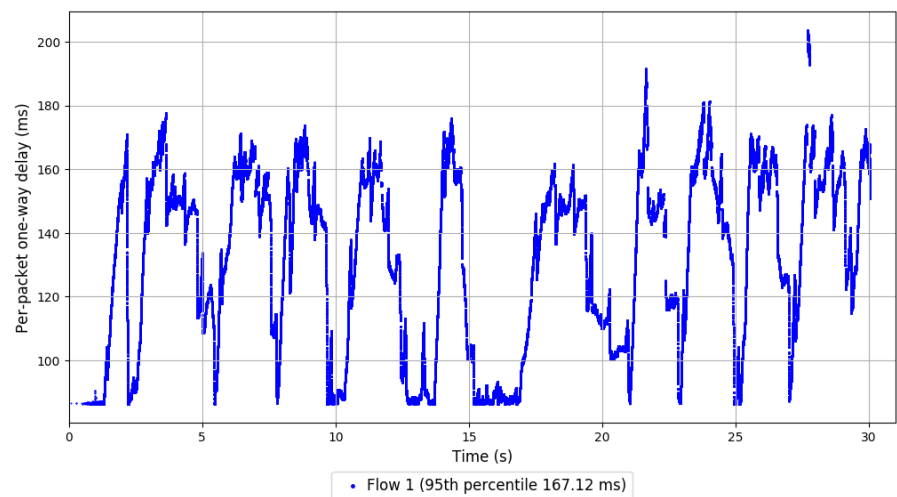
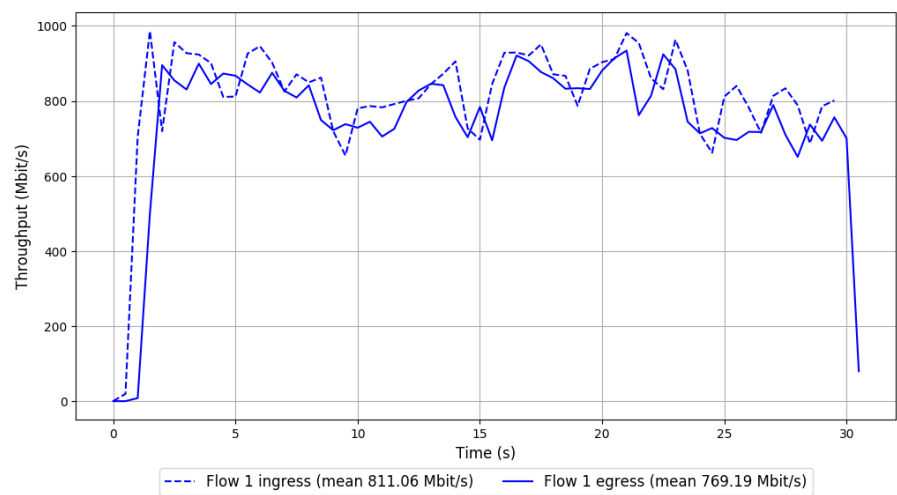


Run 7: Statistics of FillP

Start at: 2018-07-03 11:38:24
End at: 2018-07-03 11:38:54
Local clock offset: 0.082 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-07-03 13:37:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 769.19 Mbit/s
95th percentile per-packet one-way delay: 167.123 ms
Loss rate: 5.16%
-- Flow 1:
Average throughput: 769.19 Mbit/s
95th percentile per-packet one-way delay: 167.123 ms
Loss rate: 5.16%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-03 12:00:47

End at: 2018-07-03 12:01:17

Local clock offset: -0.076 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-07-03 13:39:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 863.77 Mbit/s

95th percentile per-packet one-way delay: 214.315 ms

Loss rate: 2.13%

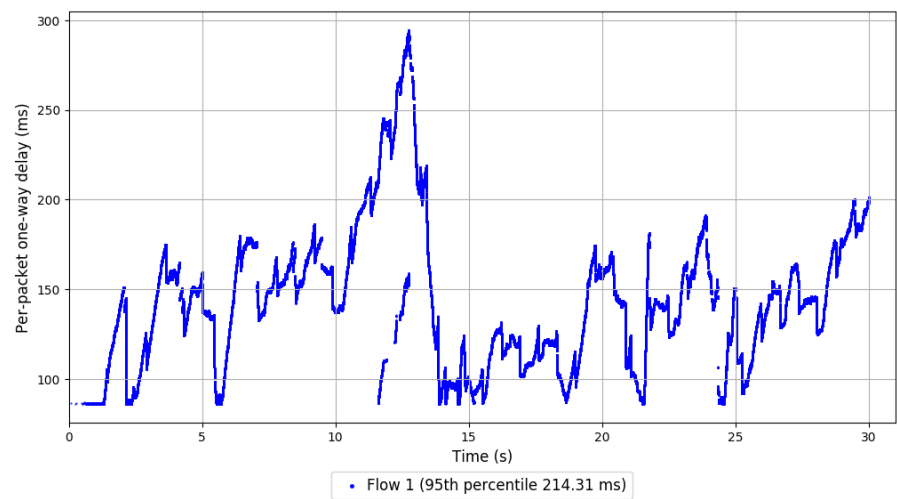
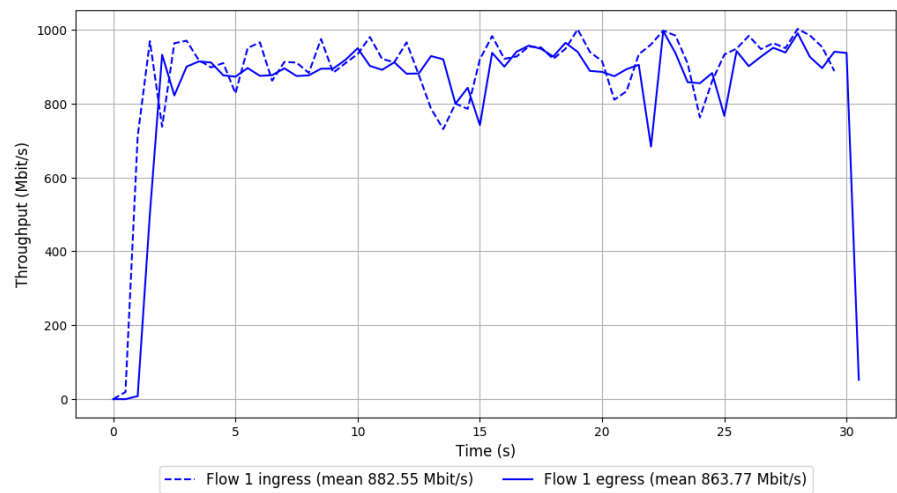
-- Flow 1:

Average throughput: 863.77 Mbit/s

95th percentile per-packet one-way delay: 214.315 ms

Loss rate: 2.13%

Run 8: Report of FillP — Data Link

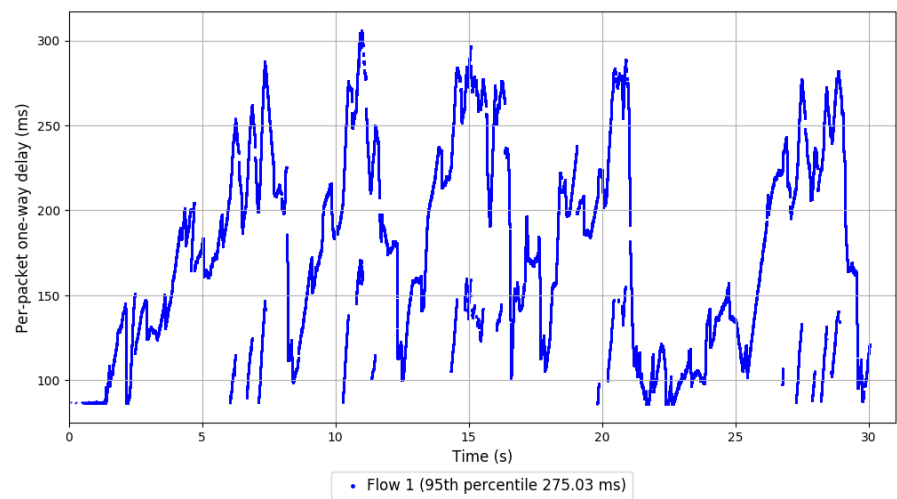
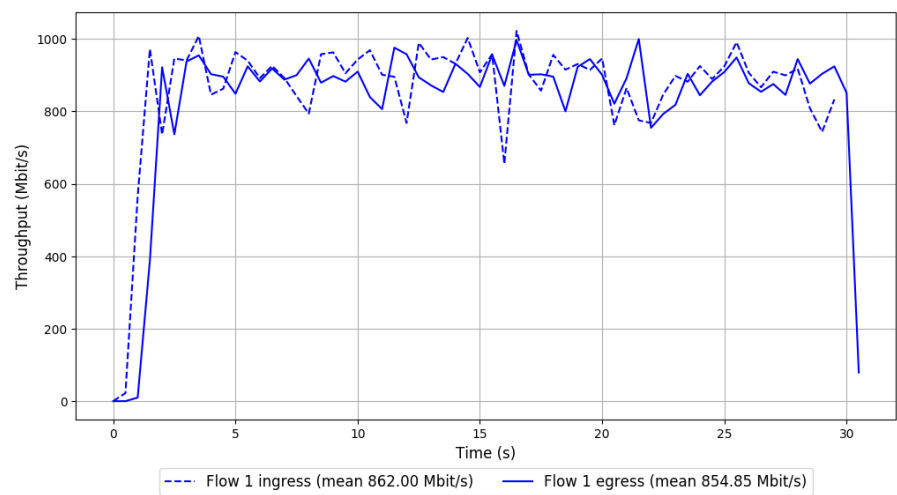


Run 9: Statistics of FillP

Start at: 2018-07-03 12:23:11
End at: 2018-07-03 12:23:41
Local clock offset: -0.192 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-07-03 13:51:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 854.85 Mbit/s
95th percentile per-packet one-way delay: 275.027 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 854.85 Mbit/s
95th percentile per-packet one-way delay: 275.027 ms
Loss rate: 0.83%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-03 12:45:35

End at: 2018-07-03 12:46:05

Local clock offset: -0.177 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-07-03 13:51:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 780.92 Mbit/s

95th percentile per-packet one-way delay: 166.097 ms

Loss rate: 4.58%

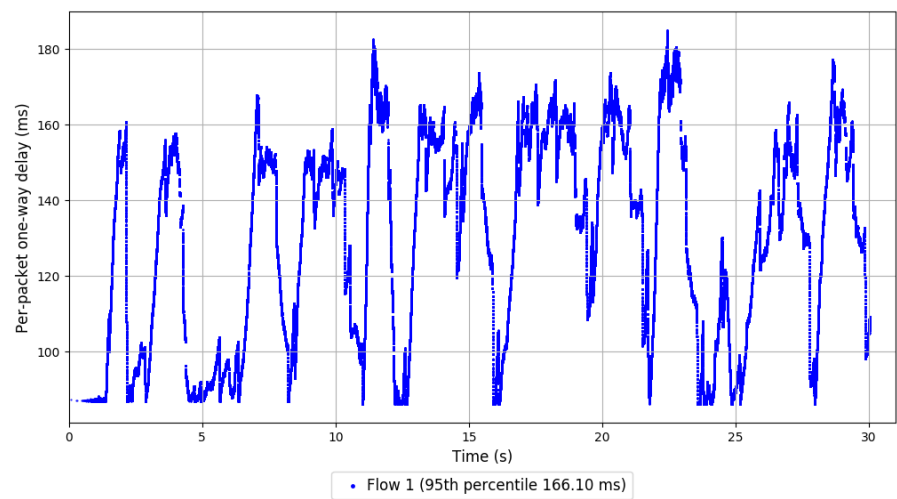
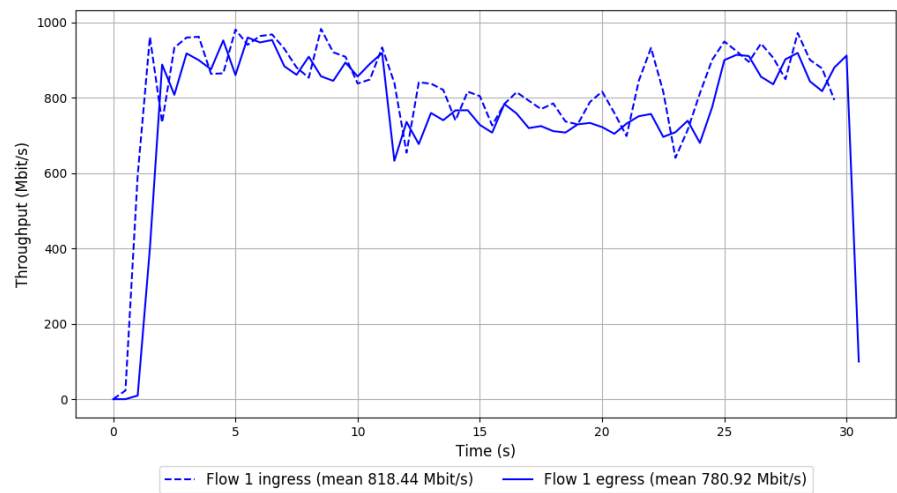
-- Flow 1:

Average throughput: 780.92 Mbit/s

95th percentile per-packet one-way delay: 166.097 ms

Loss rate: 4.58%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-03 09:33:09

End at: 2018-07-03 09:33:39

Local clock offset: 0.262 ms

Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-03 13:51:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 661.69 Mbit/s

95th percentile per-packet one-way delay: 230.340 ms

Loss rate: 11.78%

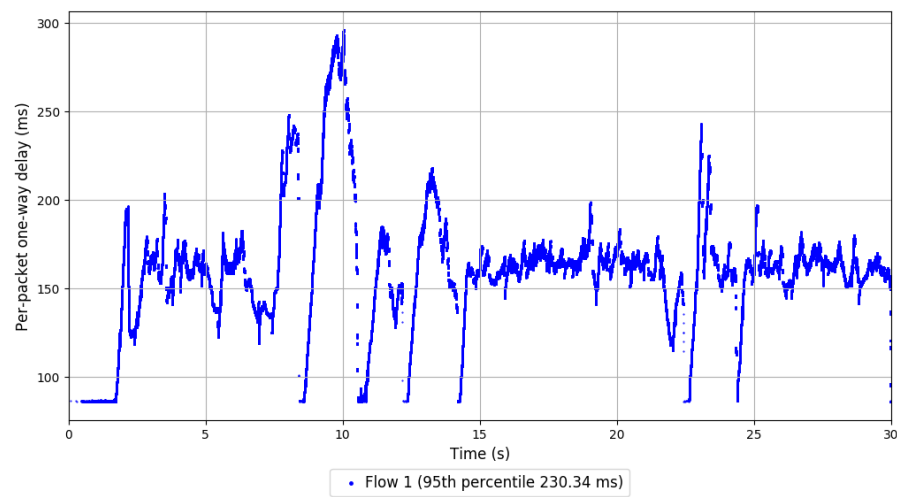
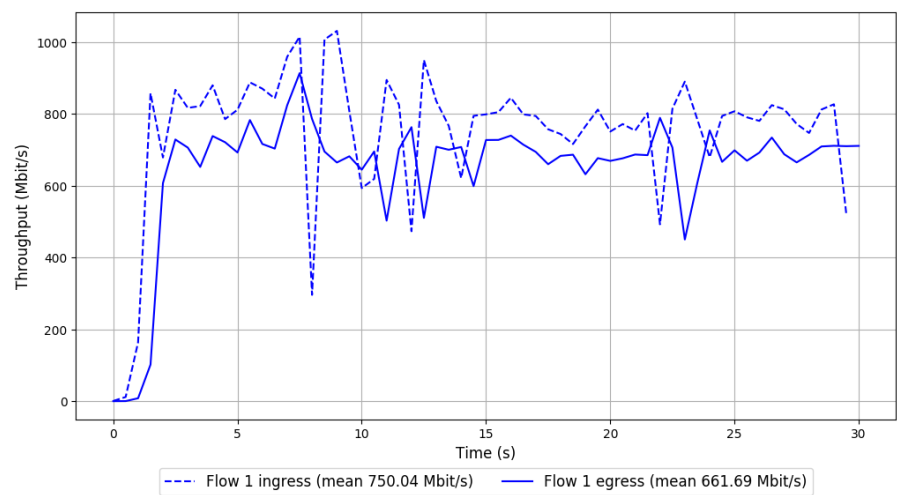
-- Flow 1:

Average throughput: 661.69 Mbit/s

95th percentile per-packet one-way delay: 230.340 ms

Loss rate: 11.78%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-03 09:55:34

End at: 2018-07-03 09:56:04

Local clock offset: 0.103 ms

Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-03 13:51:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 668.40 Mbit/s

95th percentile per-packet one-way delay: 238.494 ms

Loss rate: 13.23%

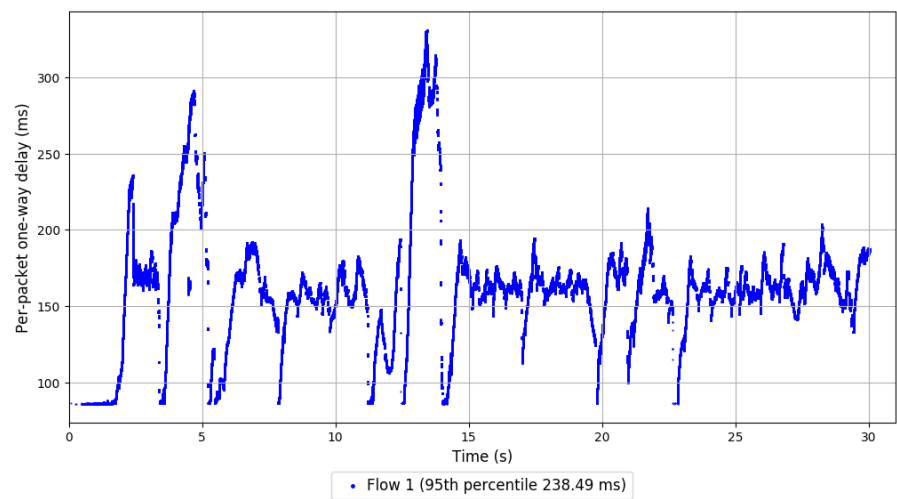
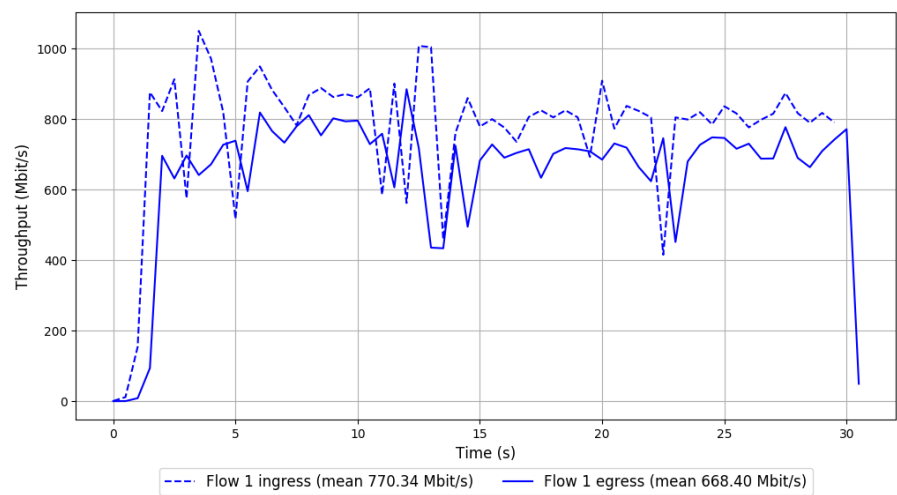
-- Flow 1:

Average throughput: 668.40 Mbit/s

95th percentile per-packet one-way delay: 238.494 ms

Loss rate: 13.23%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-03 10:18:02

End at: 2018-07-03 10:18:32

Local clock offset: 0.16 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2018-07-03 13:51:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 731.96 Mbit/s

95th percentile per-packet one-way delay: 230.308 ms

Loss rate: 8.98%

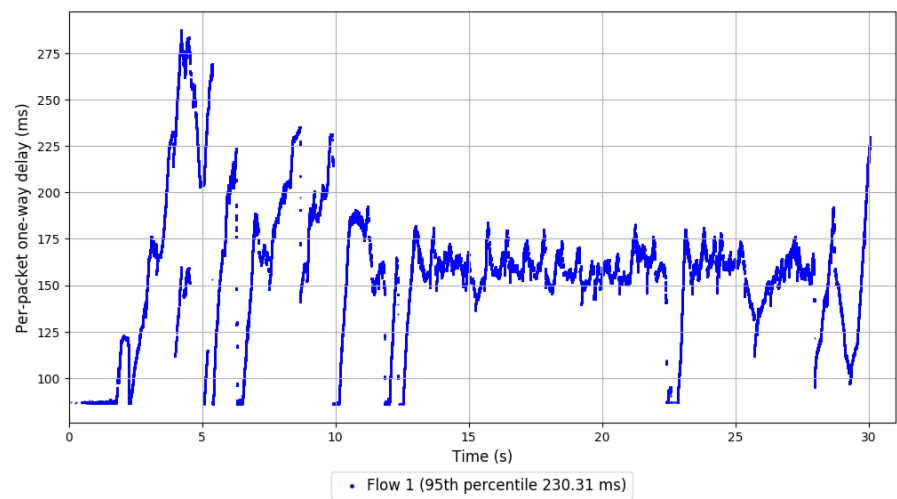
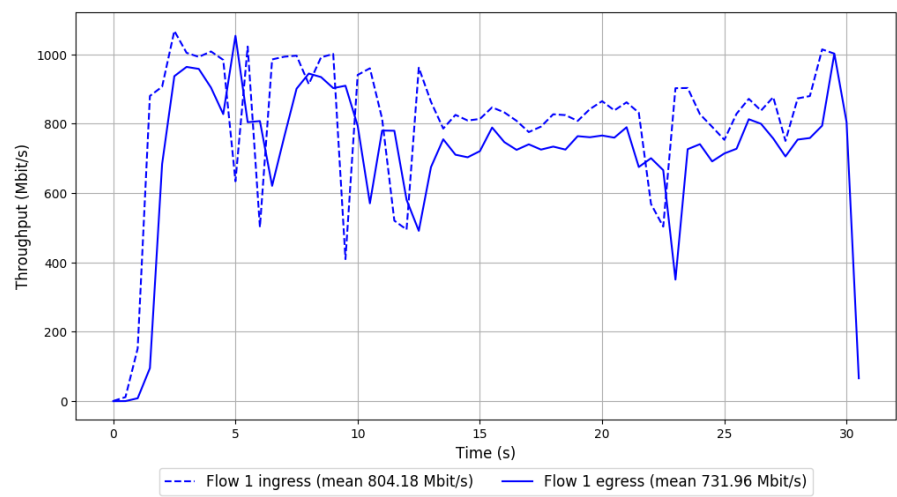
-- Flow 1:

Average throughput: 731.96 Mbit/s

95th percentile per-packet one-way delay: 230.308 ms

Loss rate: 8.98%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-03 10:40:39

End at: 2018-07-03 10:41:09

Local clock offset: 0.06 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-07-03 13:51:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.91 Mbit/s

95th percentile per-packet one-way delay: 286.127 ms

Loss rate: 7.19%

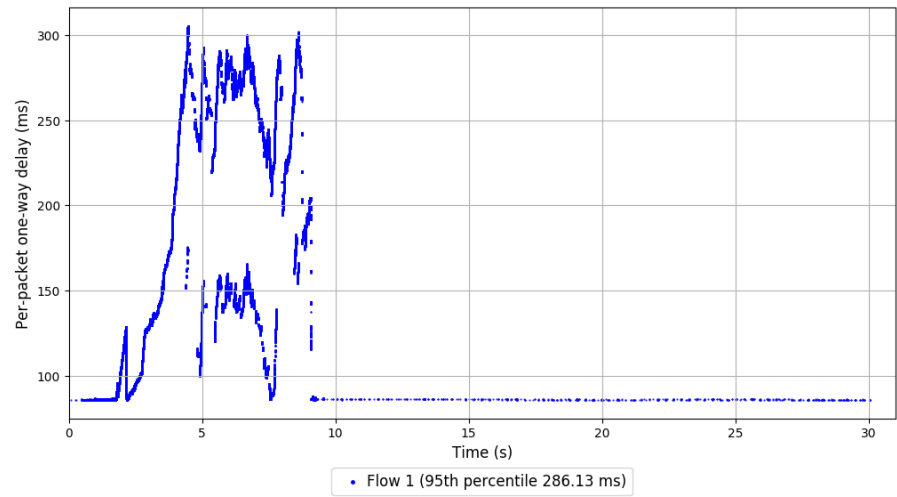
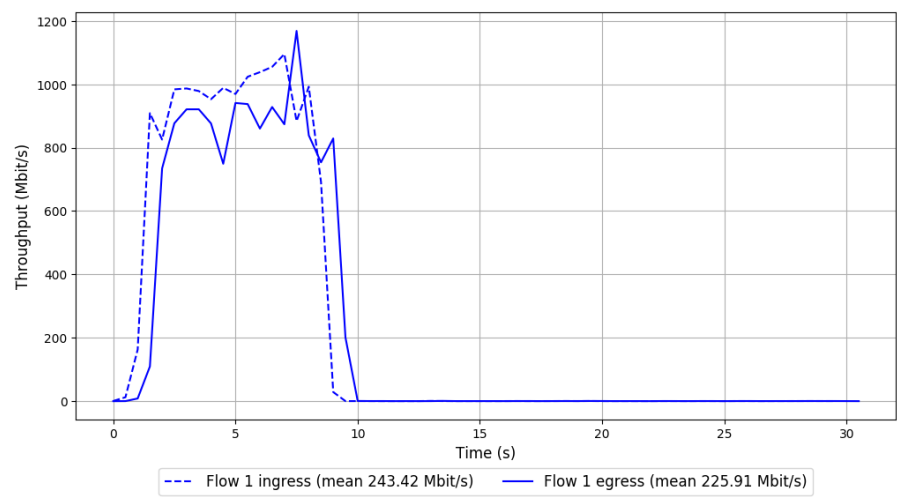
-- Flow 1:

Average throughput: 225.91 Mbit/s

95th percentile per-packet one-way delay: 286.127 ms

Loss rate: 7.19%

Run 4: Report of FillP-Sheep — Data Link

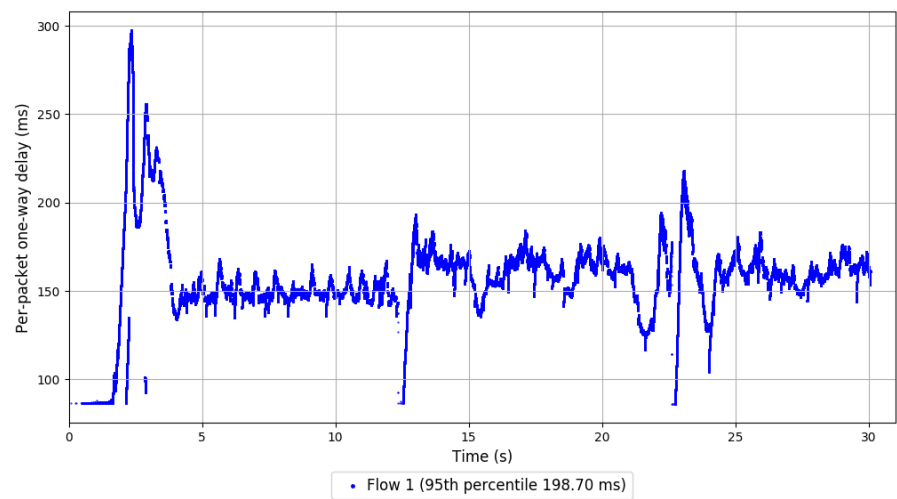
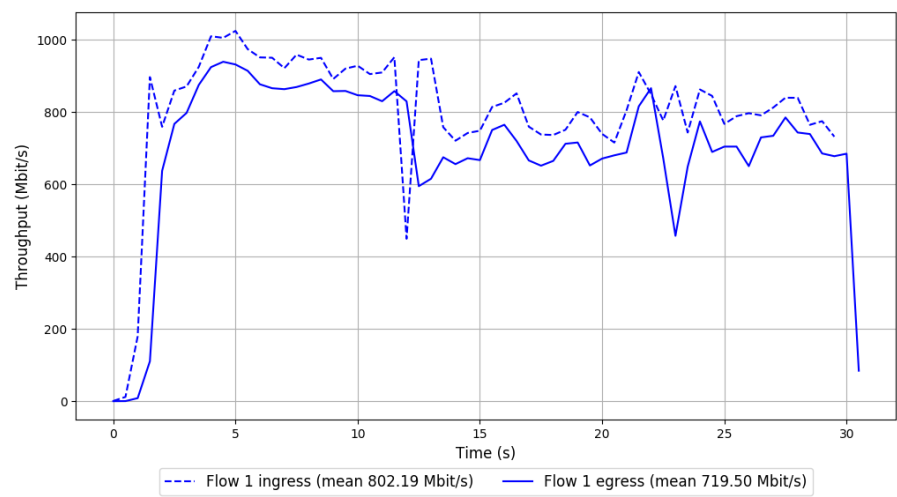


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-03 11:02:50
End at: 2018-07-03 11:03:20
Local clock offset: 0.167 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-07-03 13:52:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 719.50 Mbit/s
95th percentile per-packet one-way delay: 198.700 ms
Loss rate: 10.31%
-- Flow 1:
Average throughput: 719.50 Mbit/s
95th percentile per-packet one-way delay: 198.700 ms
Loss rate: 10.31%

Run 5: Report of FillP-Sheep — Data Link

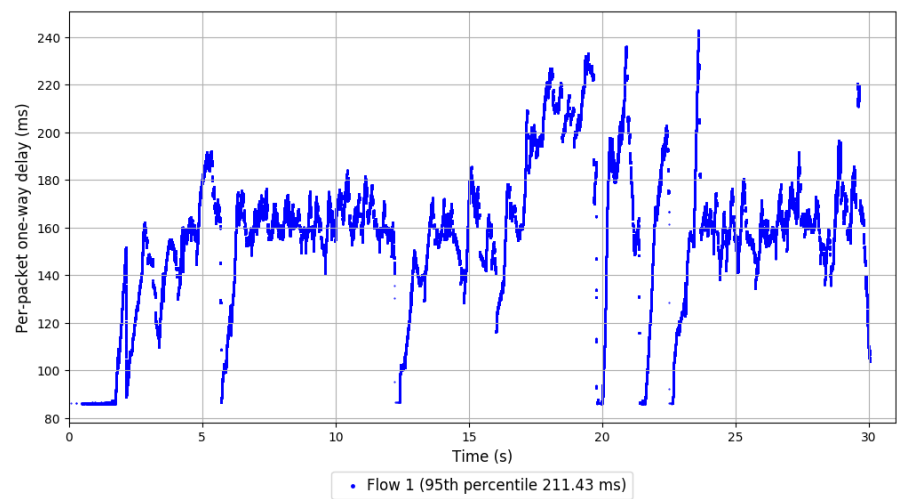
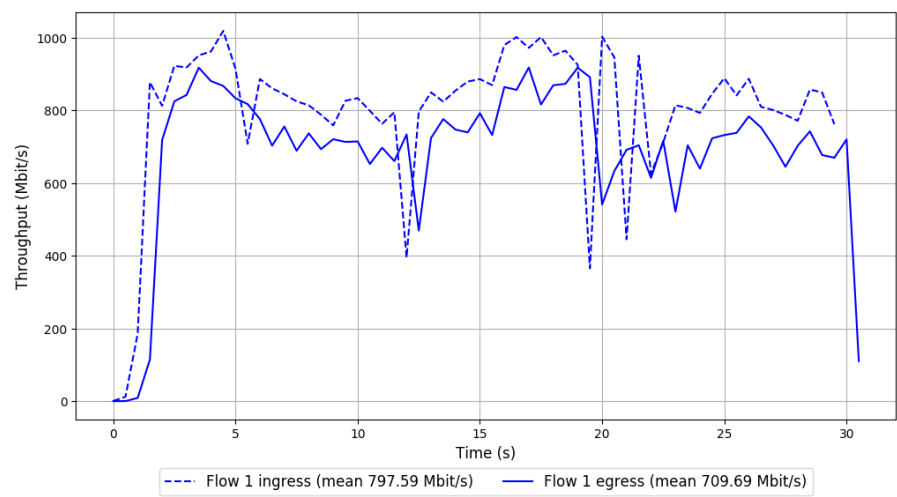


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-03 11:25:11
End at: 2018-07-03 11:25:41
Local clock offset: 0.142 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-03 13:54:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 709.69 Mbit/s
95th percentile per-packet one-way delay: 211.430 ms
Loss rate: 11.02%
-- Flow 1:
Average throughput: 709.69 Mbit/s
95th percentile per-packet one-way delay: 211.430 ms
Loss rate: 11.02%

Run 6: Report of FillP-Sheep — Data Link

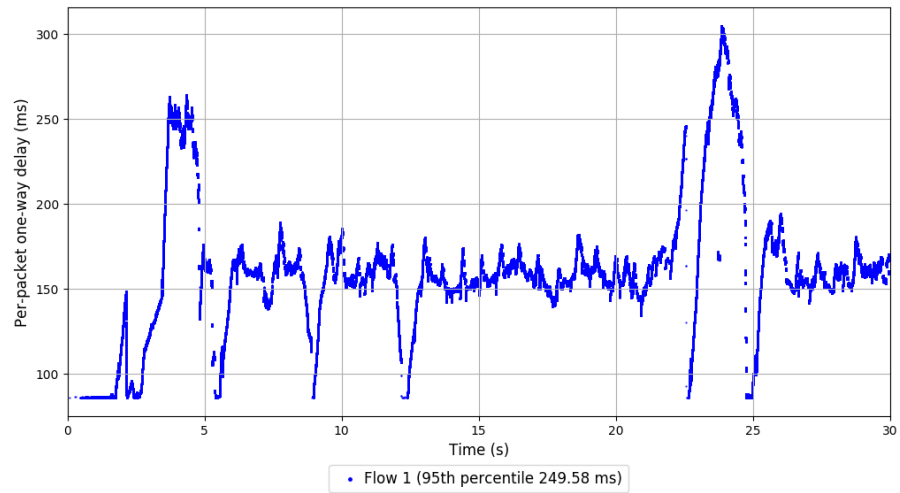
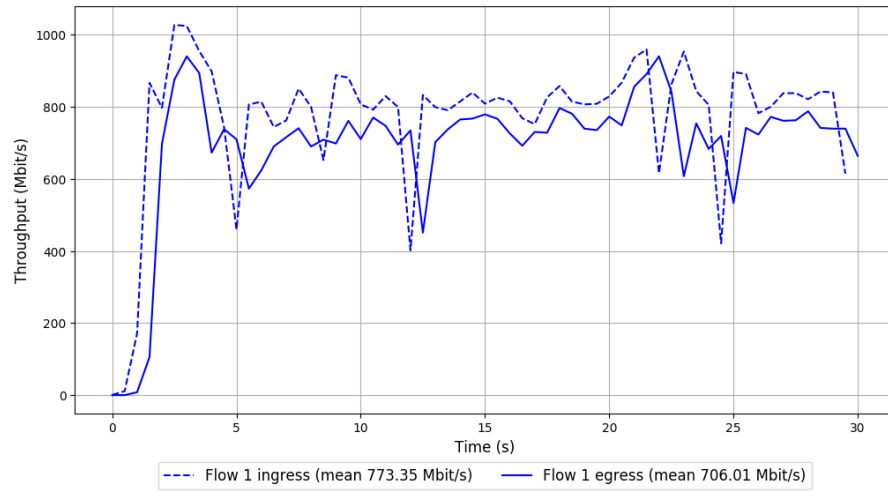


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-03 11:47:29
End at: 2018-07-03 11:47:59
Local clock offset: 0.103 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-07-03 13:55:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 706.01 Mbit/s
95th percentile per-packet one-way delay: 249.577 ms
Loss rate: 8.71%
-- Flow 1:
Average throughput: 706.01 Mbit/s
95th percentile per-packet one-way delay: 249.577 ms
Loss rate: 8.71%

Run 7: Report of FillP-Sheep — Data Link

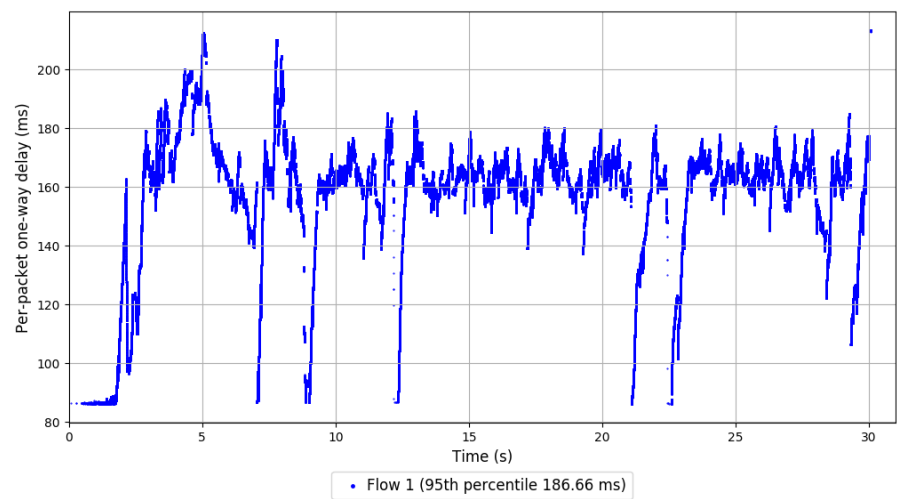
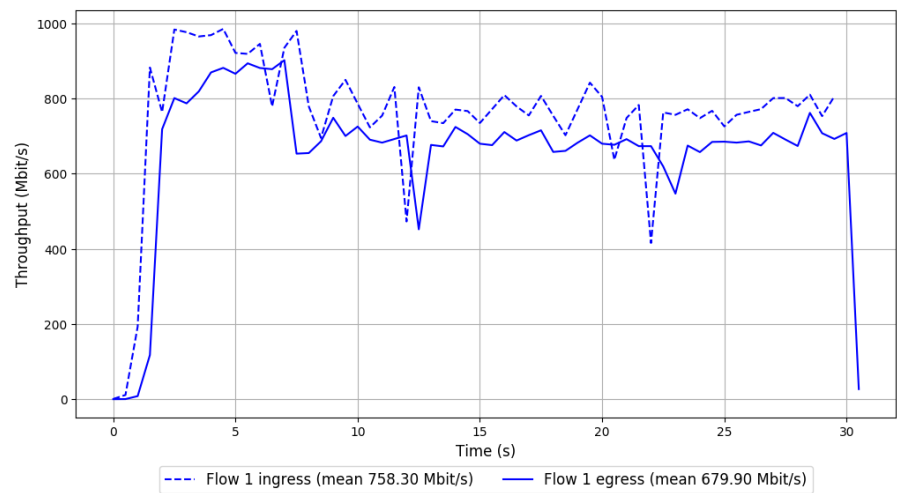


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-03 12:10:00
End at: 2018-07-03 12:10:30
Local clock offset: -0.125 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-07-03 14:03:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 679.90 Mbit/s
95th percentile per-packet one-way delay: 186.660 ms
Loss rate: 10.34%
-- Flow 1:
Average throughput: 679.90 Mbit/s
95th percentile per-packet one-way delay: 186.660 ms
Loss rate: 10.34%

Run 8: Report of FillP-Sheep — Data Link

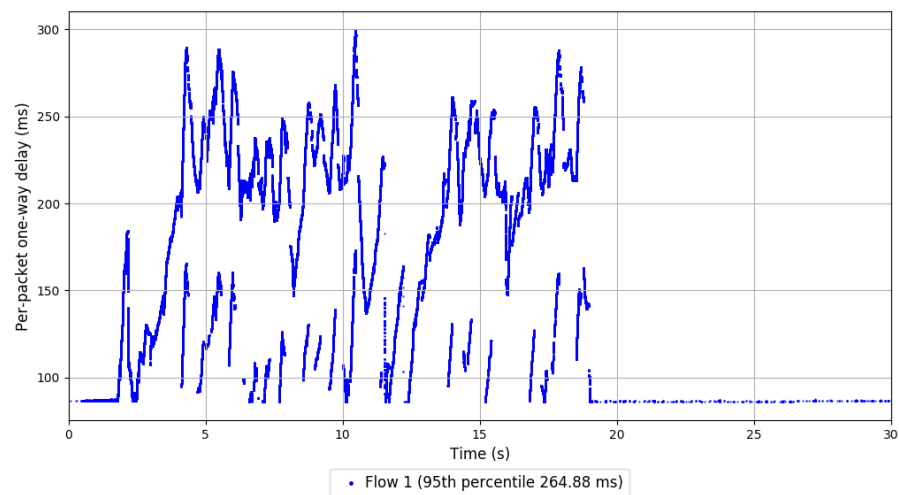
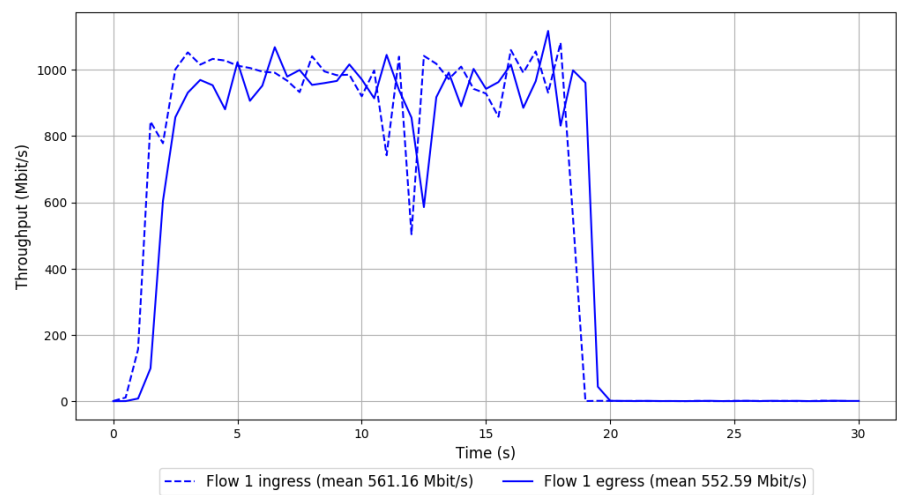


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-03 12:32:20
End at: 2018-07-03 12:32:50
Local clock offset: -0.111 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-07-03 14:03:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 552.59 Mbit/s
95th percentile per-packet one-way delay: 264.884 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 552.59 Mbit/s
95th percentile per-packet one-way delay: 264.884 ms
Loss rate: 1.53%

Run 9: Report of FillP-Sheep — Data Link

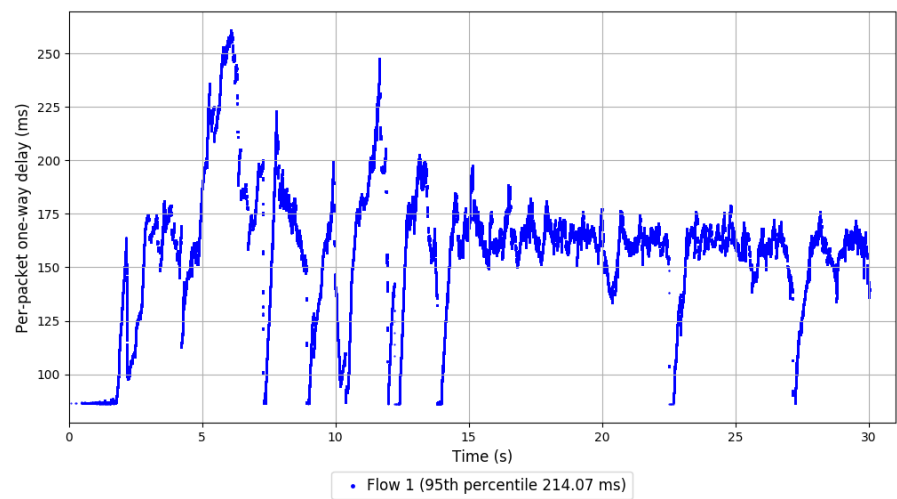
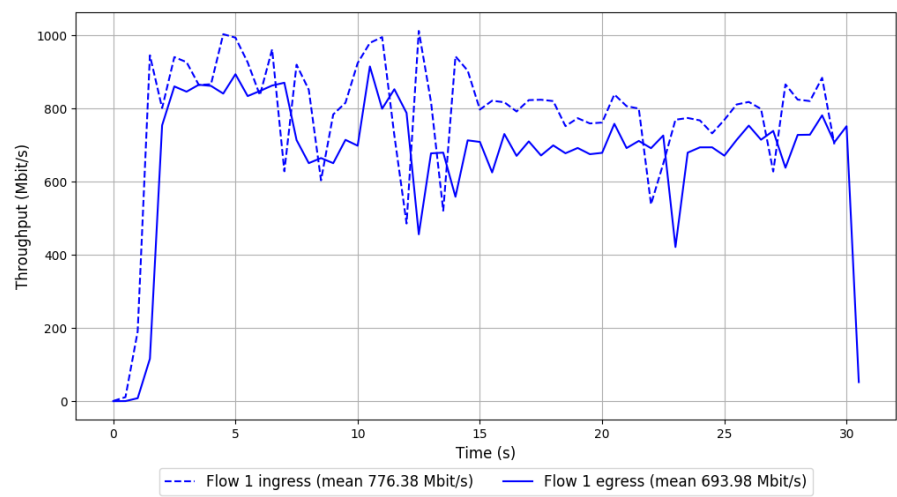


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-03 12:54:46
End at: 2018-07-03 12:55:16
Local clock offset: 0.016 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-07-03 14:04:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 693.98 Mbit/s
95th percentile per-packet one-way delay: 214.068 ms
Loss rate: 10.61%
-- Flow 1:
Average throughput: 693.98 Mbit/s
95th percentile per-packet one-way delay: 214.068 ms
Loss rate: 10.61%

Run 10: Report of FillP-Sheep — Data Link

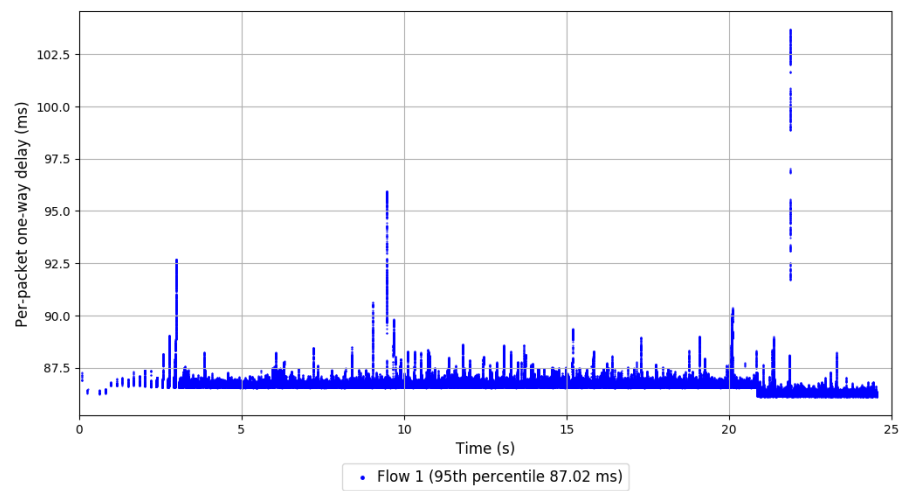
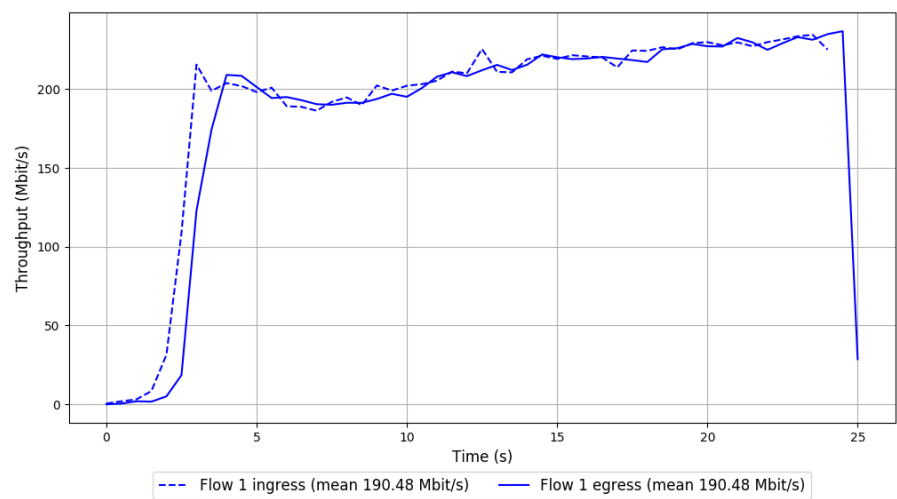


```
Run 1: Statistics of Indigo

Start at: 2018-07-03 09:25:50
End at: 2018-07-03 09:26:20
Local clock offset: 0.006 ms
Remote clock offset: 0.068 ms

# Below is generated by plot.py at 2018-07-03 14:04:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 190.48 Mbit/s
95th percentile per-packet one-way delay: 87.017 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 190.48 Mbit/s
95th percentile per-packet one-way delay: 87.017 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-03 09:48:03

End at: 2018-07-03 09:48:33

Local clock offset: 0.159 ms

Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-03 14:04:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.24 Mbit/s

95th percentile per-packet one-way delay: 86.825 ms

Loss rate: 0.00%

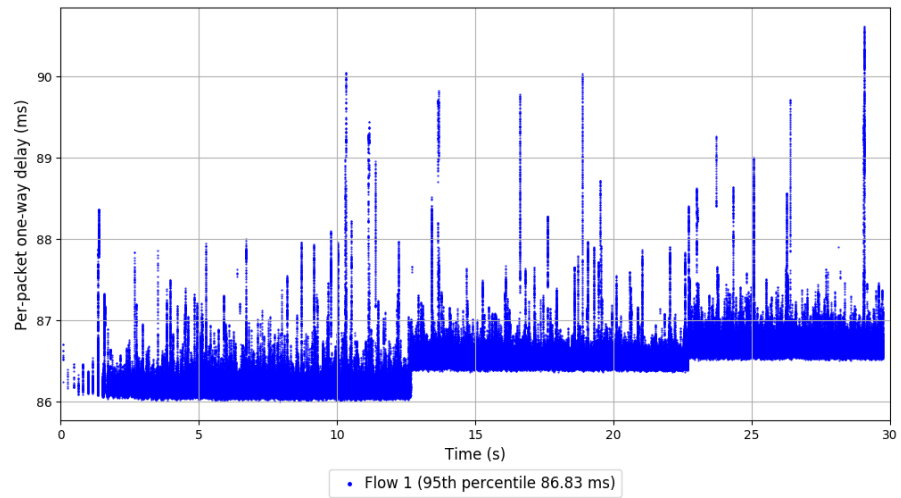
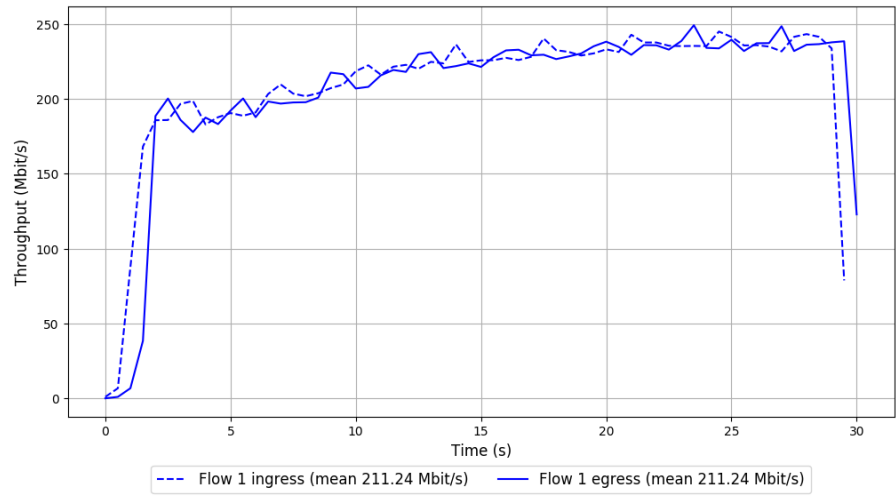
-- Flow 1:

Average throughput: 211.24 Mbit/s

95th percentile per-packet one-way delay: 86.825 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-03 10:10:32

End at: 2018-07-03 10:11:02

Local clock offset: 0.06 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-07-03 14:04:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.06 Mbit/s

95th percentile per-packet one-way delay: 86.773 ms

Loss rate: 0.00%

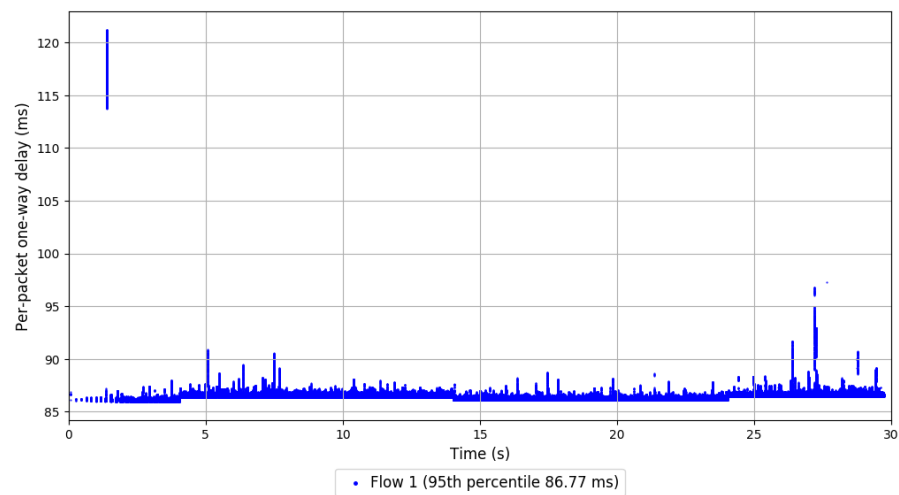
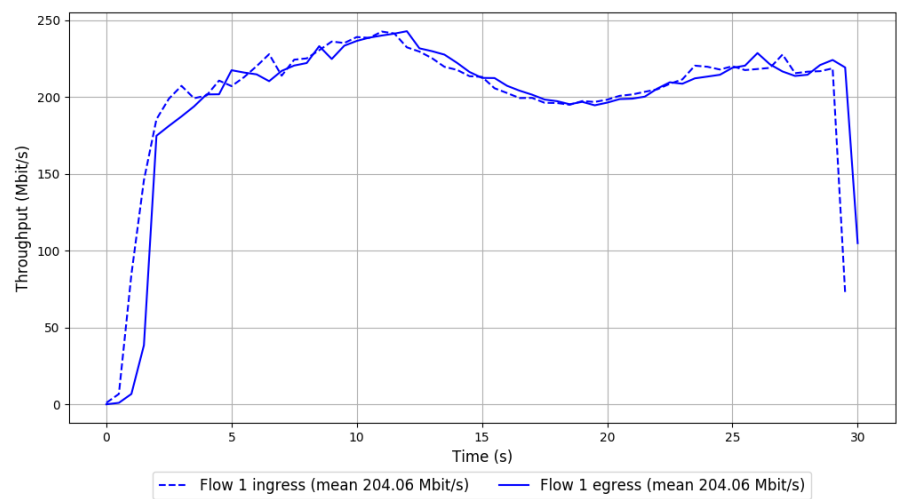
-- Flow 1:

Average throughput: 204.06 Mbit/s

95th percentile per-packet one-way delay: 86.773 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

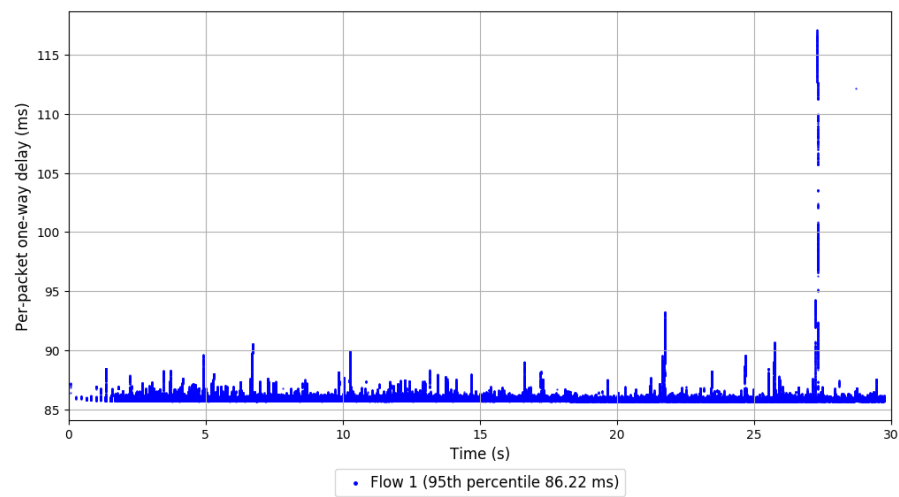
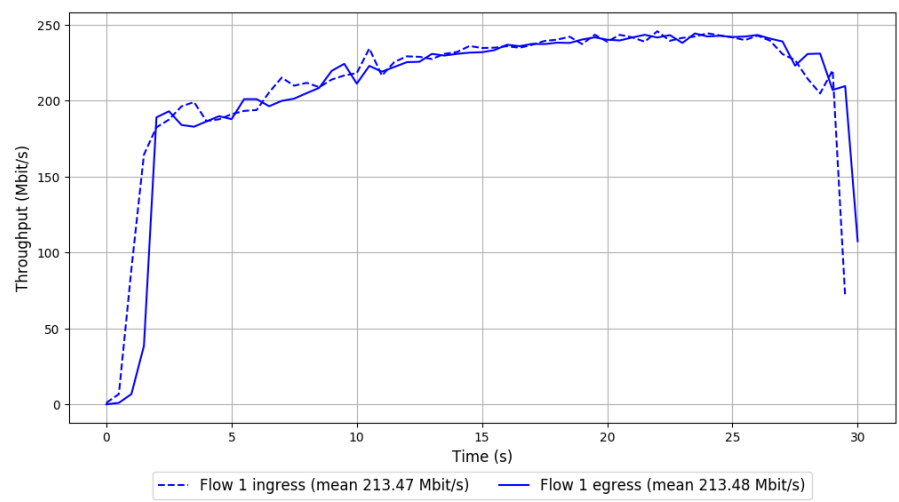


Run 4: Statistics of Indigo

Start at: 2018-07-03 10:33:07
End at: 2018-07-03 10:33:38
Local clock offset: 0.186 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-03 14:04:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 213.48 Mbit/s
95th percentile per-packet one-way delay: 86.215 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 213.48 Mbit/s
95th percentile per-packet one-way delay: 86.215 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-03 10:55:20

End at: 2018-07-03 10:55:50

Local clock offset: 0.178 ms

Remote clock offset: 0.068 ms

Below is generated by plot.py at 2018-07-03 14:04:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.08 Mbit/s

95th percentile per-packet one-way delay: 86.328 ms

Loss rate: 0.00%

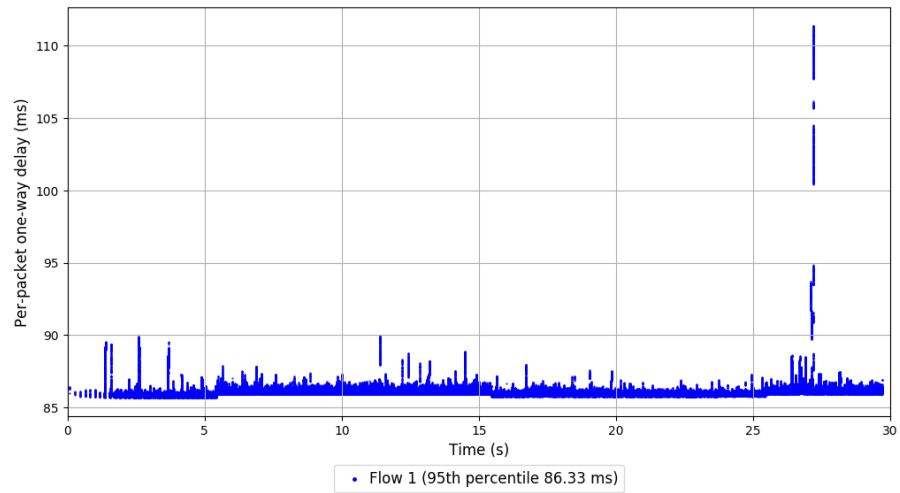
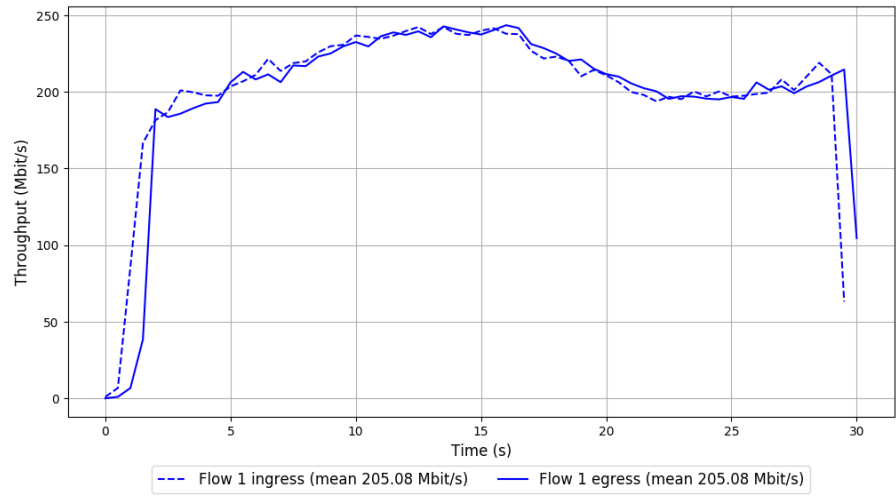
-- Flow 1:

Average throughput: 205.08 Mbit/s

95th percentile per-packet one-way delay: 86.328 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

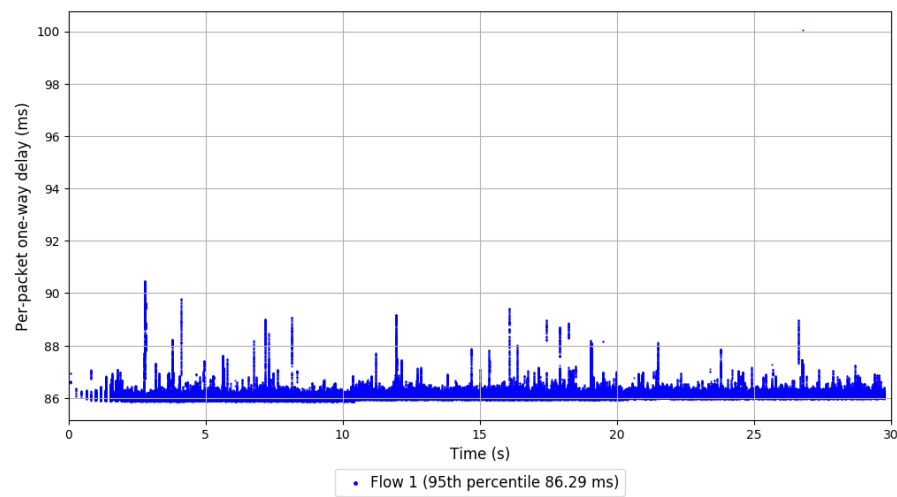
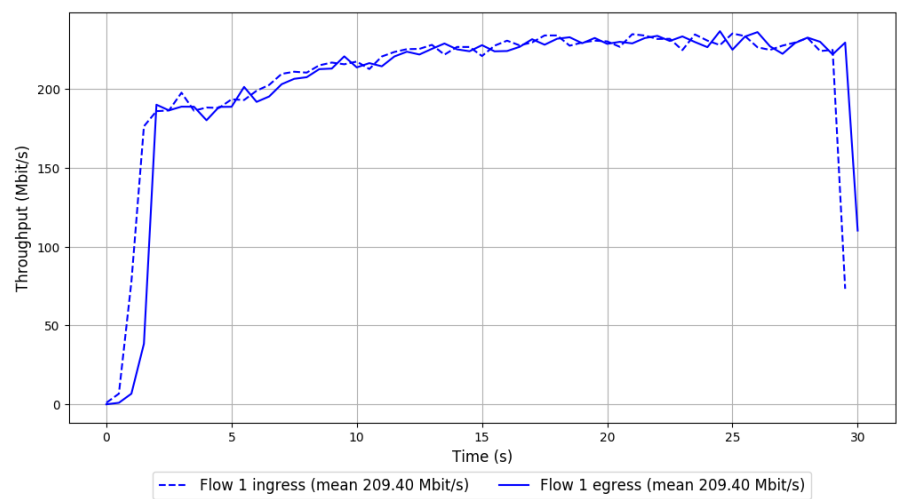


Run 6: Statistics of Indigo

Start at: 2018-07-03 11:17:45
End at: 2018-07-03 11:18:15
Local clock offset: 0.053 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-07-03 14:04:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 209.40 Mbit/s
95th percentile per-packet one-way delay: 86.286 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 209.40 Mbit/s
95th percentile per-packet one-way delay: 86.286 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

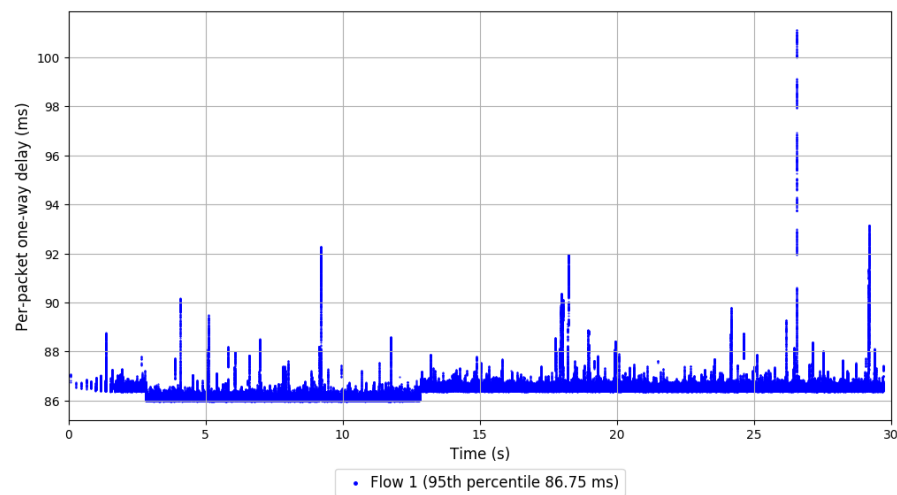
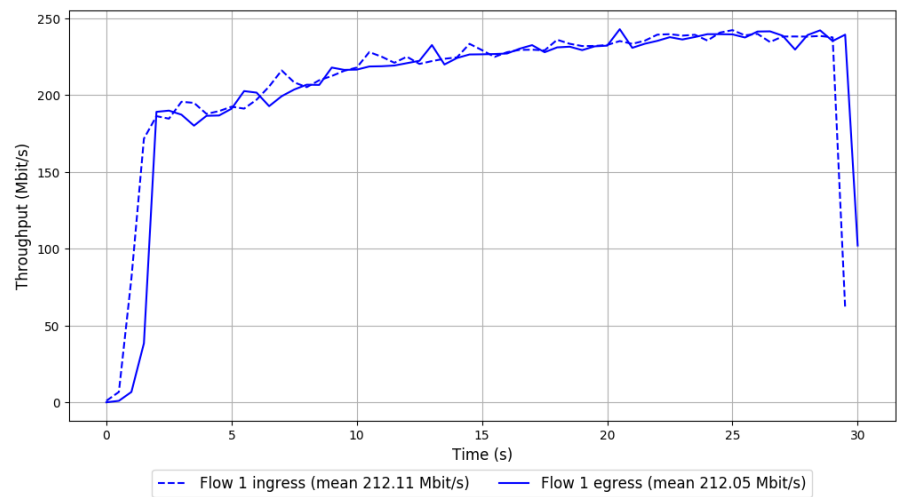


Run 7: Statistics of Indigo

Start at: 2018-07-03 11:40:03
End at: 2018-07-03 11:40:33
Local clock offset: -0.018 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-07-03 14:04:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 212.05 Mbit/s
95th percentile per-packet one-way delay: 86.746 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 212.05 Mbit/s
95th percentile per-packet one-way delay: 86.746 ms
Loss rate: 0.03%

Run 7: Report of Indigo — Data Link

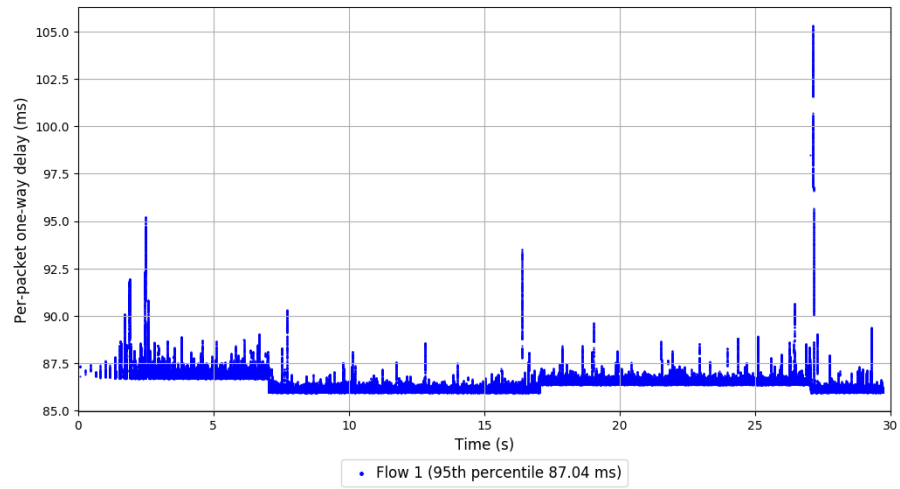
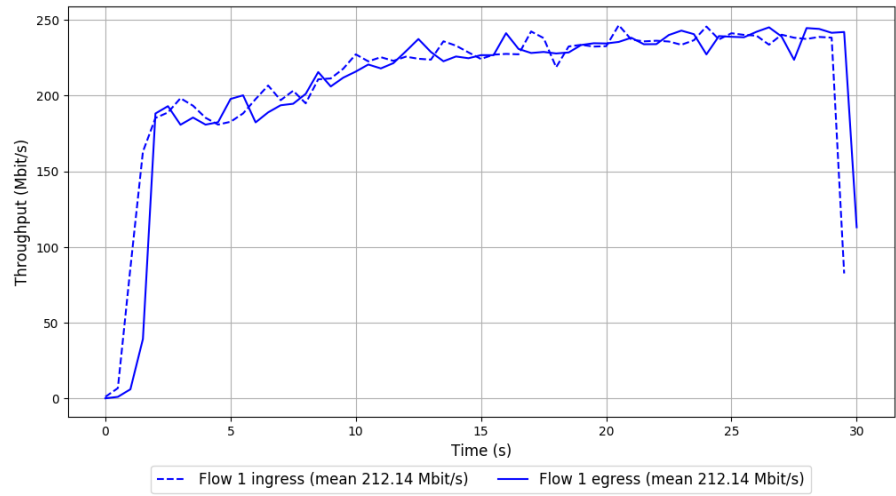


Run 8: Statistics of Indigo

Start at: 2018-07-03 12:02:29
End at: 2018-07-03 12:02:59
Local clock offset: -0.061 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2018-07-03 14:04:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 212.14 Mbit/s
95th percentile per-packet one-way delay: 87.040 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 212.14 Mbit/s
95th percentile per-packet one-way delay: 87.040 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-03 12:24:53

End at: 2018-07-03 12:25:23

Local clock offset: -0.042 ms

Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-03 14:04:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.46 Mbit/s

95th percentile per-packet one-way delay: 86.644 ms

Loss rate: 0.05%

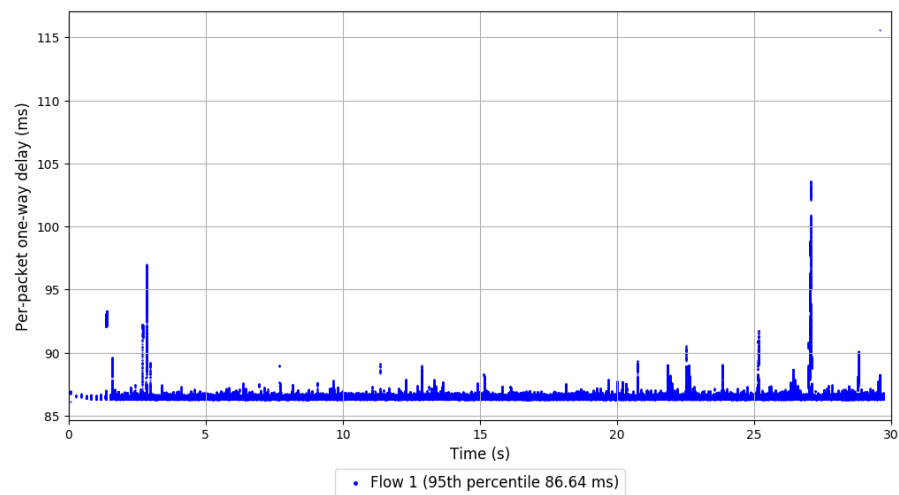
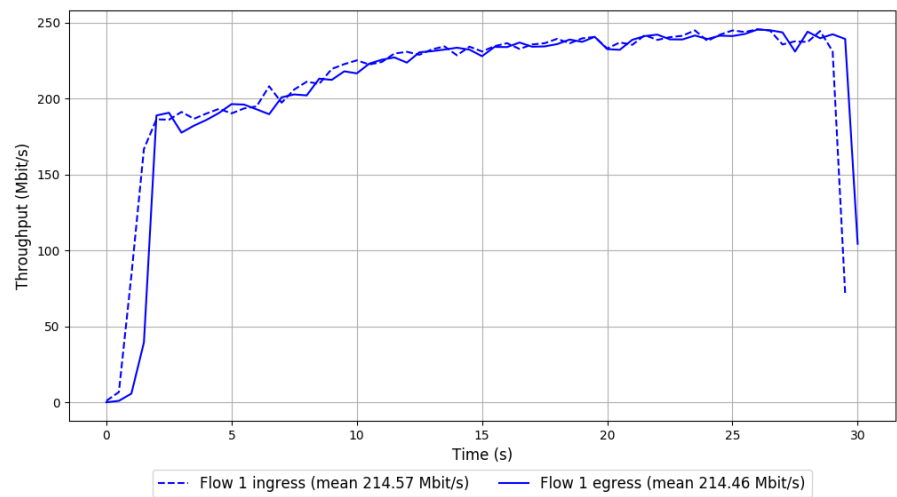
-- Flow 1:

Average throughput: 214.46 Mbit/s

95th percentile per-packet one-way delay: 86.644 ms

Loss rate: 0.05%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-03 12:47:15

End at: 2018-07-03 12:47:46

Local clock offset: -0.007 ms

Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-07-03 14:04:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.61 Mbit/s

95th percentile per-packet one-way delay: 86.224 ms

Loss rate: 0.00%

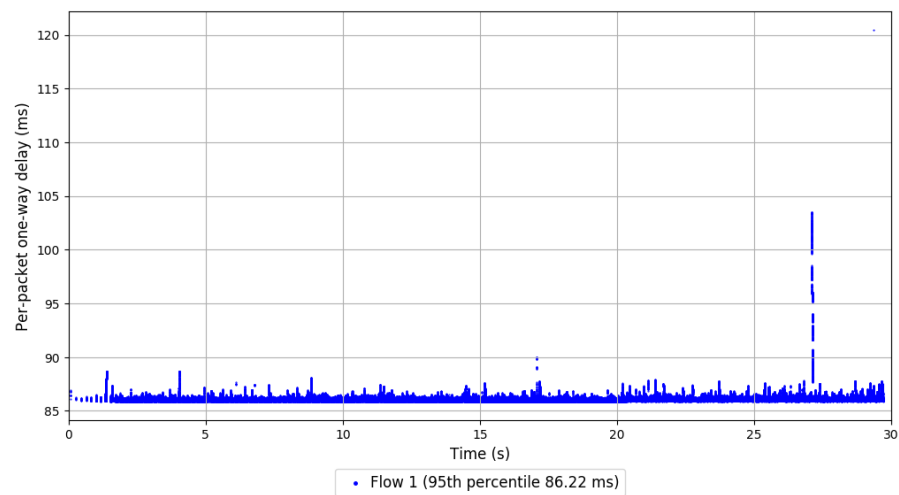
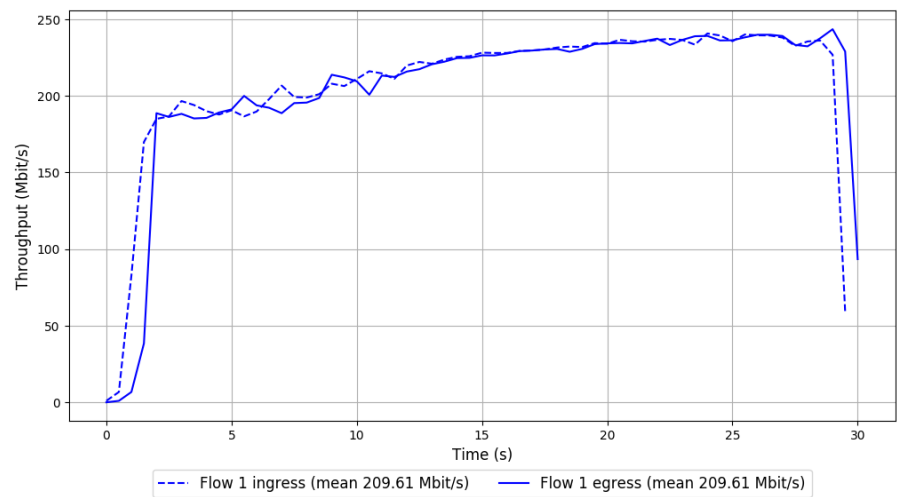
-- Flow 1:

Average throughput: 209.61 Mbit/s

95th percentile per-packet one-way delay: 86.224 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

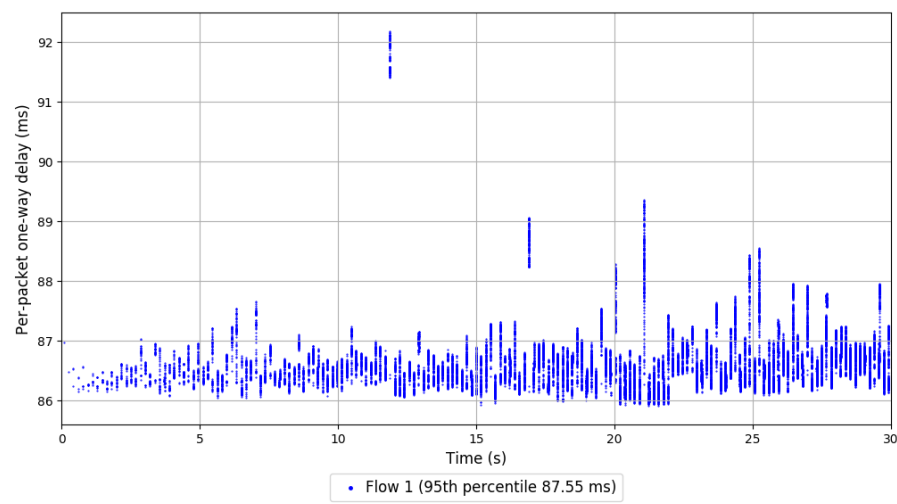
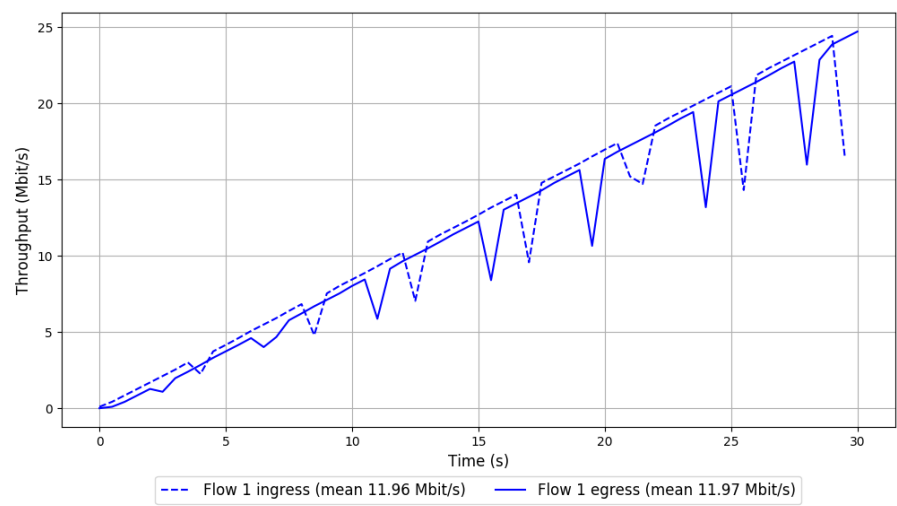


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-03 09:34:44
End at: 2018-07-03 09:35:14
Local clock offset: 0.093 ms
Remote clock offset: 0.007 ms

# Below is generated by plot.py at 2018-07-03 14:04:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.97 Mbit/s
95th percentile per-packet one-way delay: 87.551 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.97 Mbit/s
95th percentile per-packet one-way delay: 87.551 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

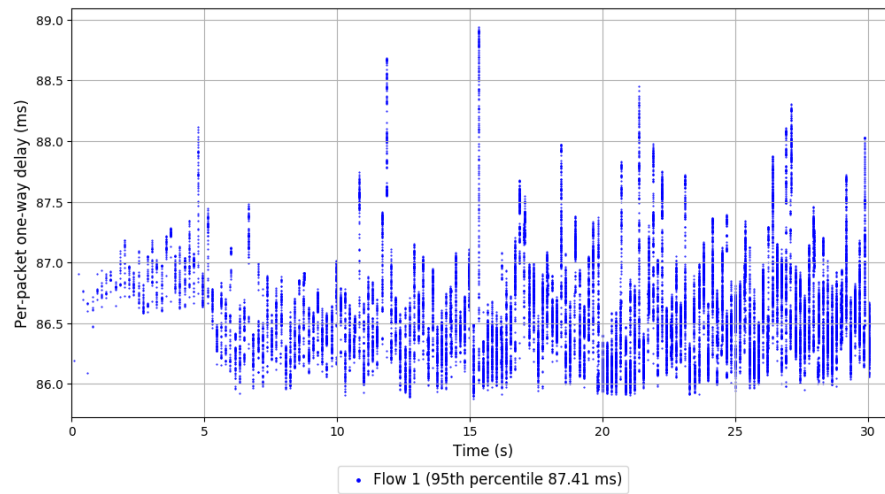
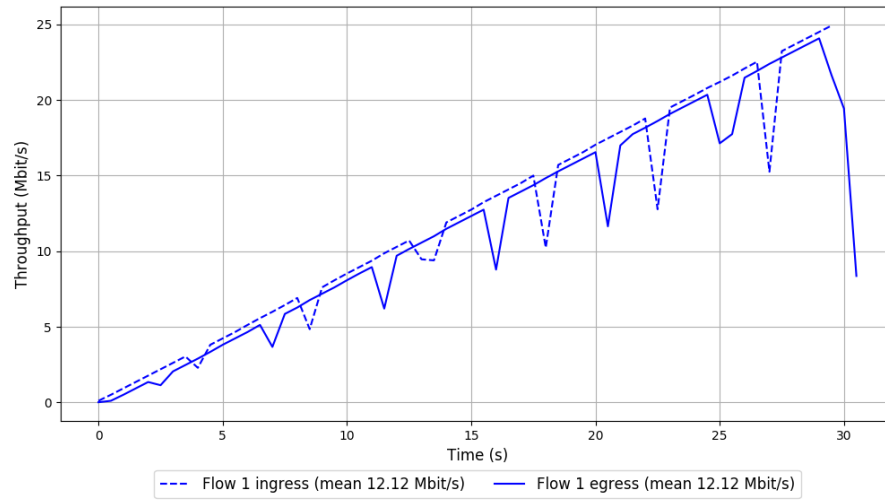


Run 2: Statistics of LEDBAT

Start at: 2018-07-03 09:57:11
End at: 2018-07-03 09:57:41
Local clock offset: 0.08 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-03 14:04:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 87.407 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 87.407 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-03 10:19:40

End at: 2018-07-03 10:20:10

Local clock offset: 0.013 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-03 14:04:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.98 Mbit/s

95th percentile per-packet one-way delay: 88.435 ms

Loss rate: 0.00%

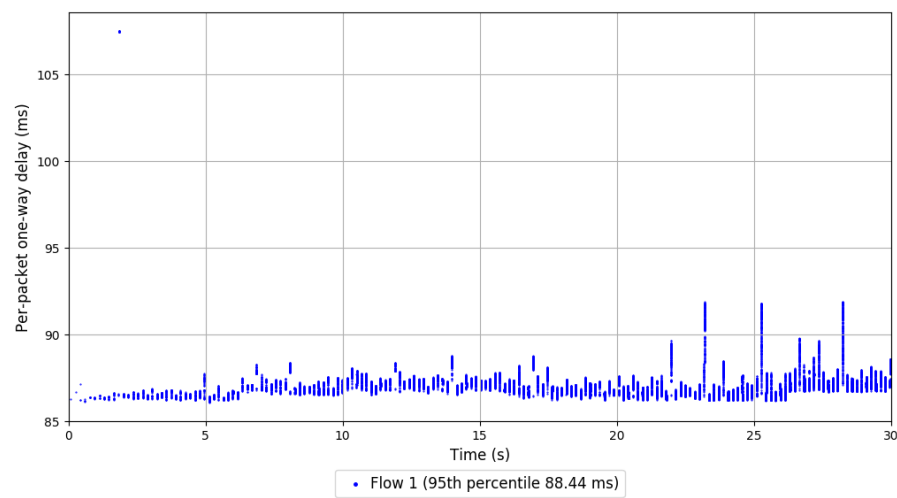
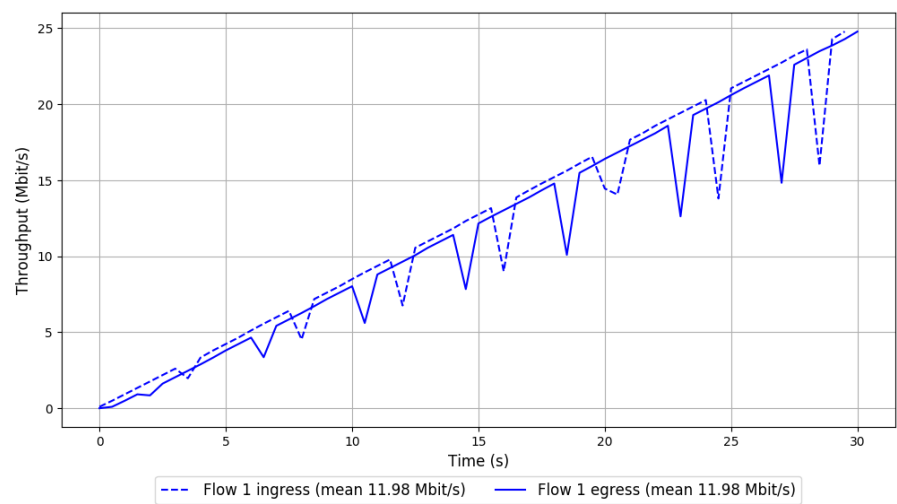
-- Flow 1:

Average throughput: 11.98 Mbit/s

95th percentile per-packet one-way delay: 88.435 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-03 10:41:56

End at: 2018-07-03 10:42:26

Local clock offset: 0.146 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-07-03 14:04:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.08 Mbit/s

95th percentile per-packet one-way delay: 87.758 ms

Loss rate: 0.00%

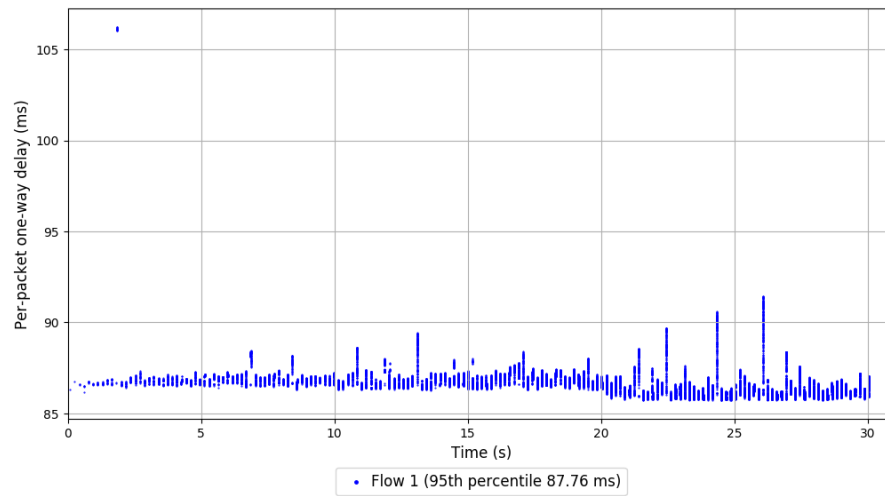
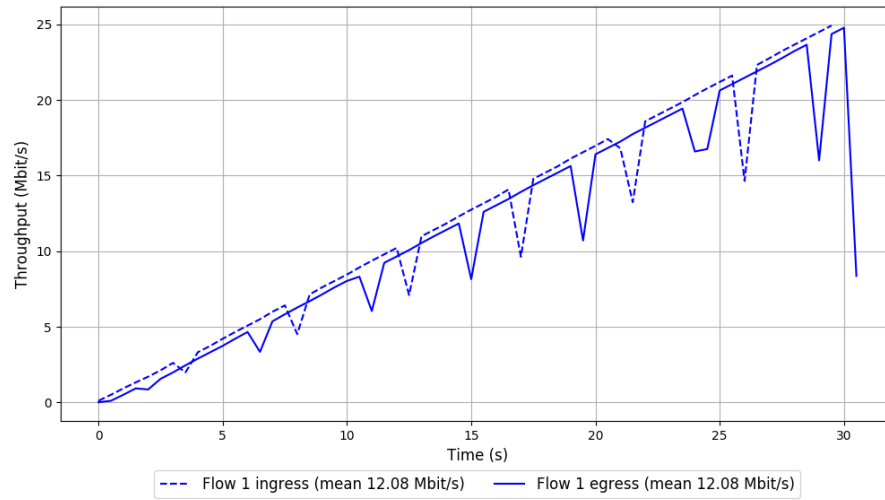
-- Flow 1:

Average throughput: 12.08 Mbit/s

95th percentile per-packet one-way delay: 87.758 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

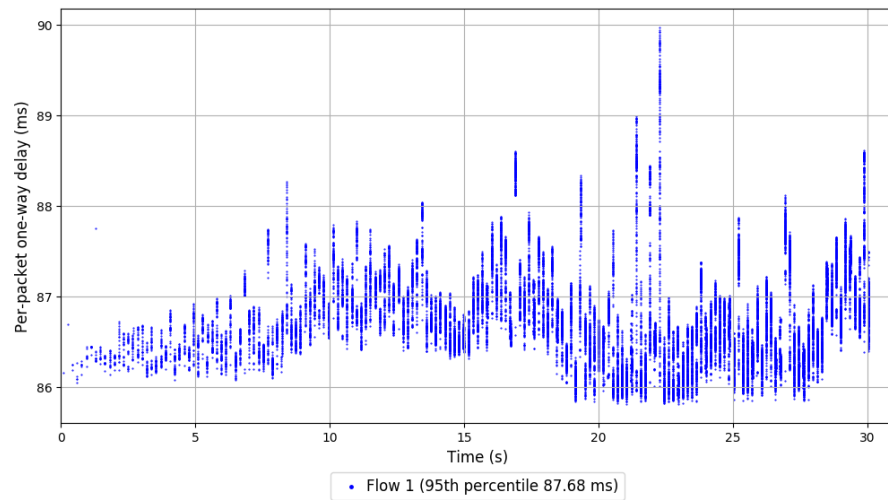
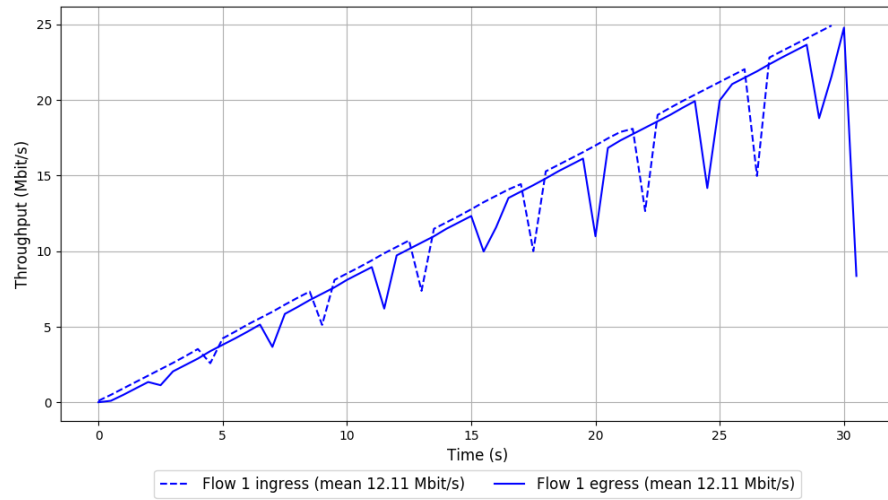


Run 5: Statistics of LEDBAT

Start at: 2018-07-03 11:04:28
End at: 2018-07-03 11:04:58
Local clock offset: 0.165 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-03 14:04:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.11 Mbit/s
95th percentile per-packet one-way delay: 87.684 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.11 Mbit/s
95th percentile per-packet one-way delay: 87.684 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

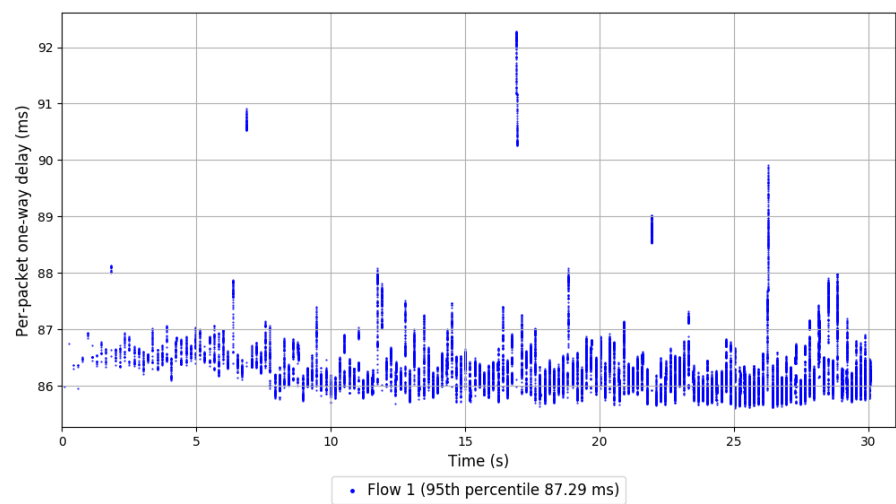
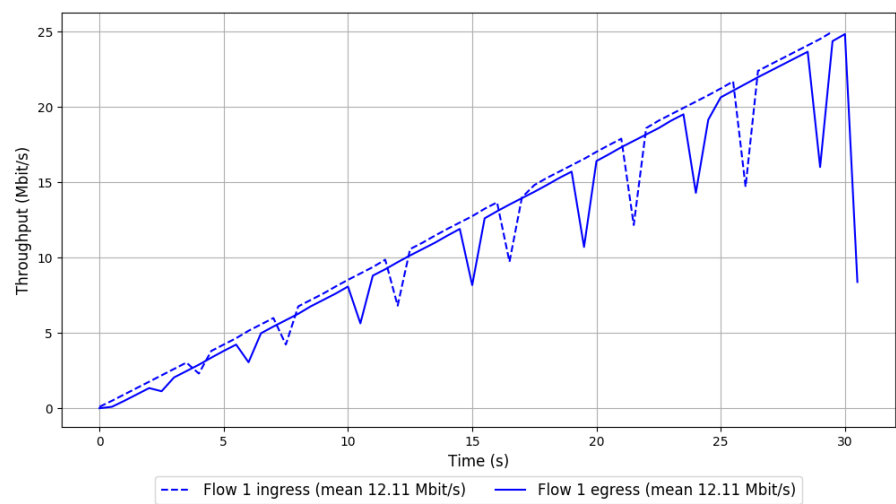


Run 6: Statistics of LEDBAT

Start at: 2018-07-03 11:26:48
End at: 2018-07-03 11:27:18
Local clock offset: 0.378 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2018-07-03 14:04:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.11 Mbit/s
95th percentile per-packet one-way delay: 87.294 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.11 Mbit/s
95th percentile per-packet one-way delay: 87.294 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

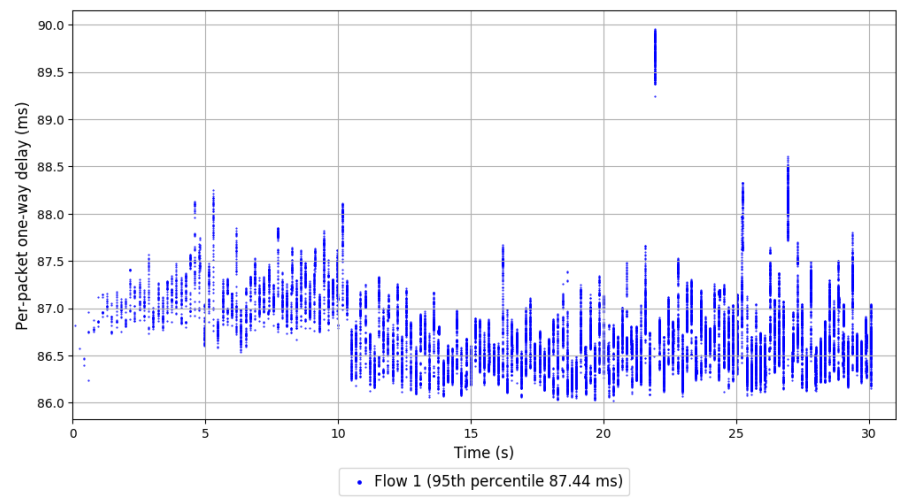
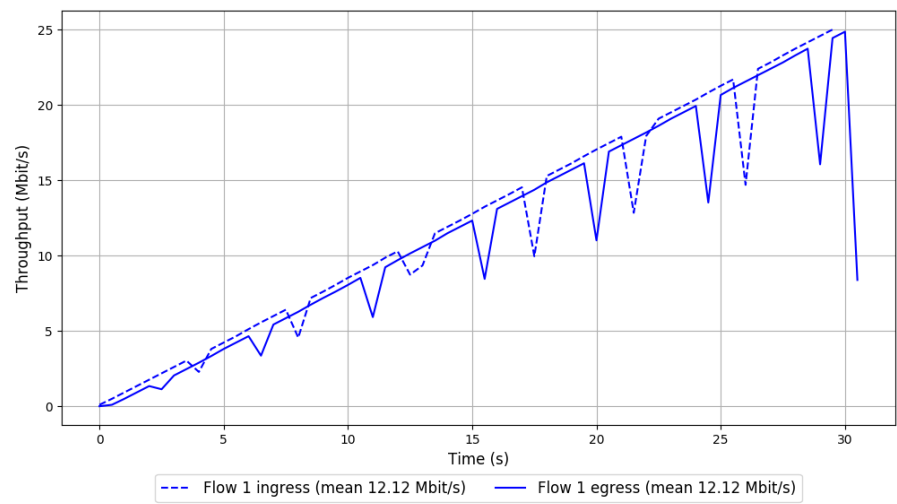


Run 7: Statistics of LEDBAT

Start at: 2018-07-03 11:49:06
End at: 2018-07-03 11:49:36
Local clock offset: -0.149 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-07-03 14:04:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 87.443 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 87.443 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

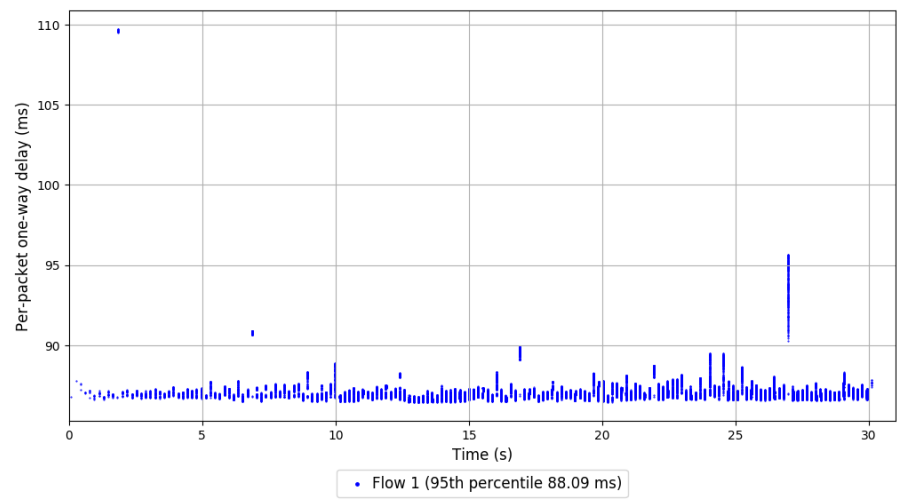
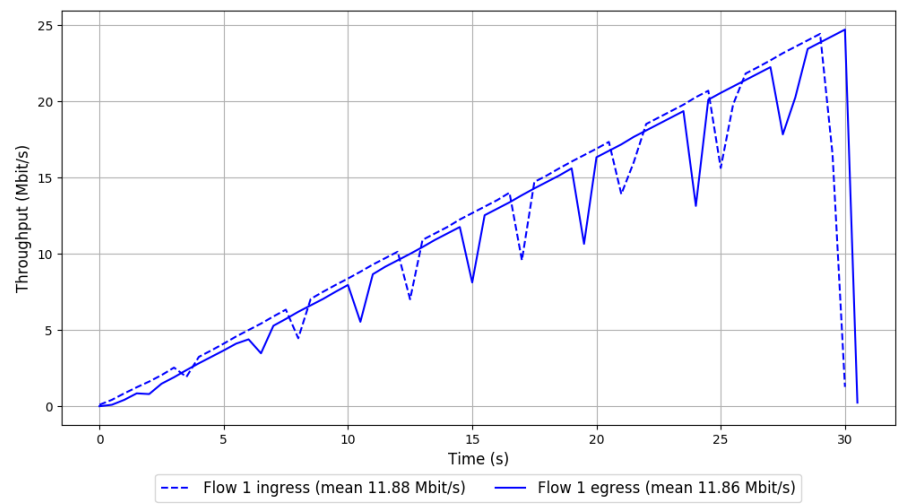


Run 8: Statistics of LEDBAT

Start at: 2018-07-03 12:11:35
End at: 2018-07-03 12:12:05
Local clock offset: -0.138 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-03 14:04:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.86 Mbit/s
95th percentile per-packet one-way delay: 88.095 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 11.86 Mbit/s
95th percentile per-packet one-way delay: 88.095 ms
Loss rate: 0.14%

Run 8: Report of LEDBAT — Data Link

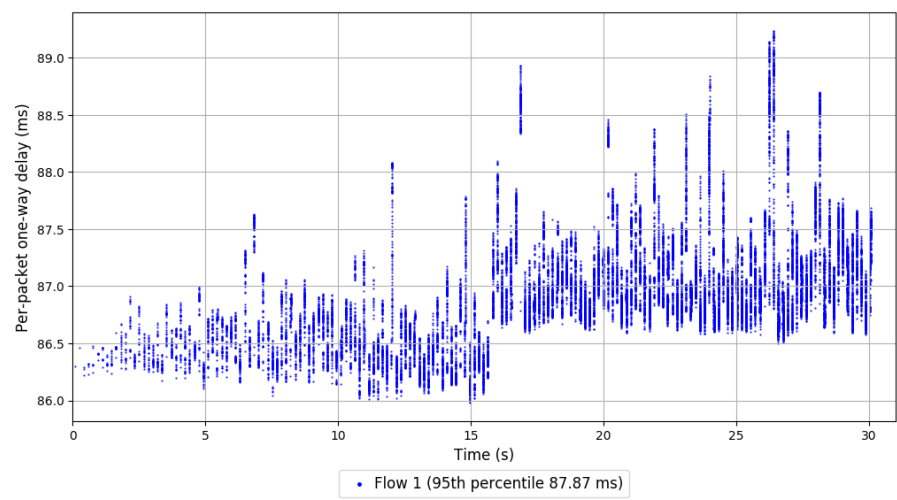
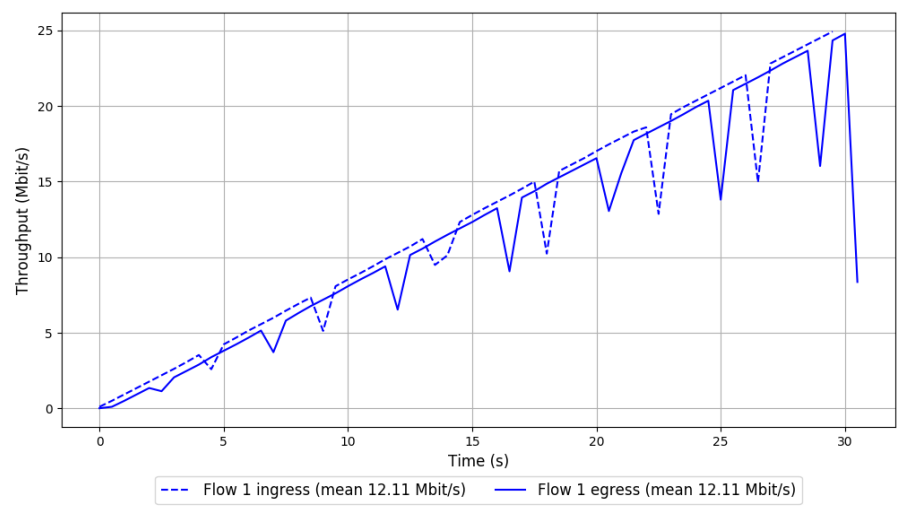


Run 9: Statistics of LEDBAT

Start at: 2018-07-03 12:33:50
End at: 2018-07-03 12:34:20
Local clock offset: -0.103 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-03 14:04:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.11 Mbit/s
95th percentile per-packet one-way delay: 87.866 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.11 Mbit/s
95th percentile per-packet one-way delay: 87.866 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-03 12:56:22

End at: 2018-07-03 12:56:52

Local clock offset: -0.051 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-07-03 14:04:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.16 Mbit/s

95th percentile per-packet one-way delay: 87.788 ms

Loss rate: 0.00%

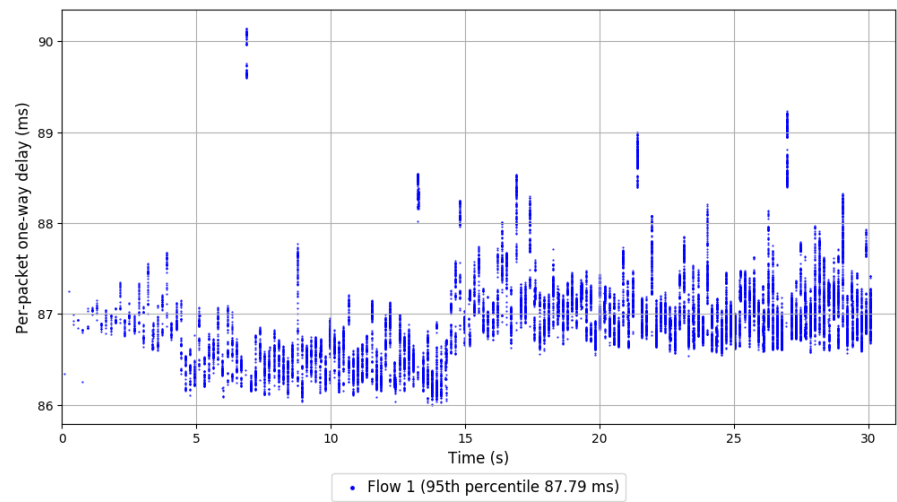
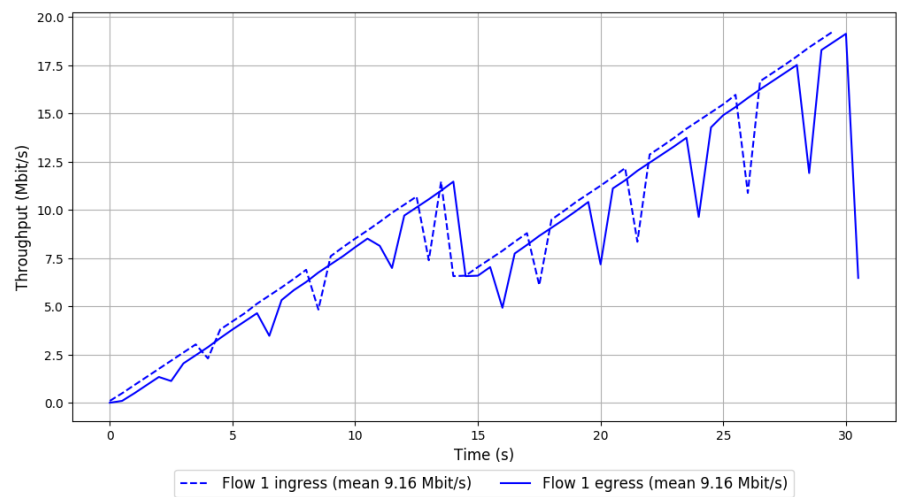
-- Flow 1:

Average throughput: 9.16 Mbit/s

95th percentile per-packet one-way delay: 87.788 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-07-03 09:15:10

End at: 2018-07-03 09:15:40

Local clock offset: 0.045 ms

Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-07-03 14:08:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 510.48 Mbit/s

95th percentile per-packet one-way delay: 143.358 ms

Loss rate: 1.01%

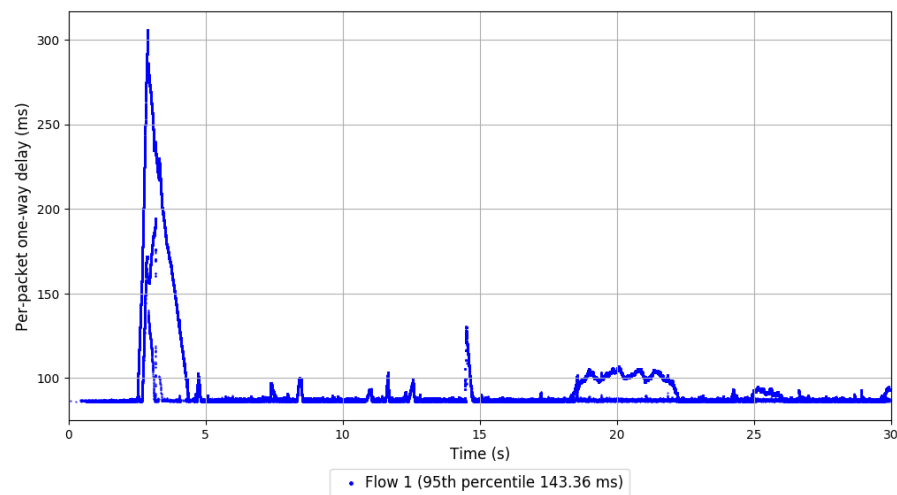
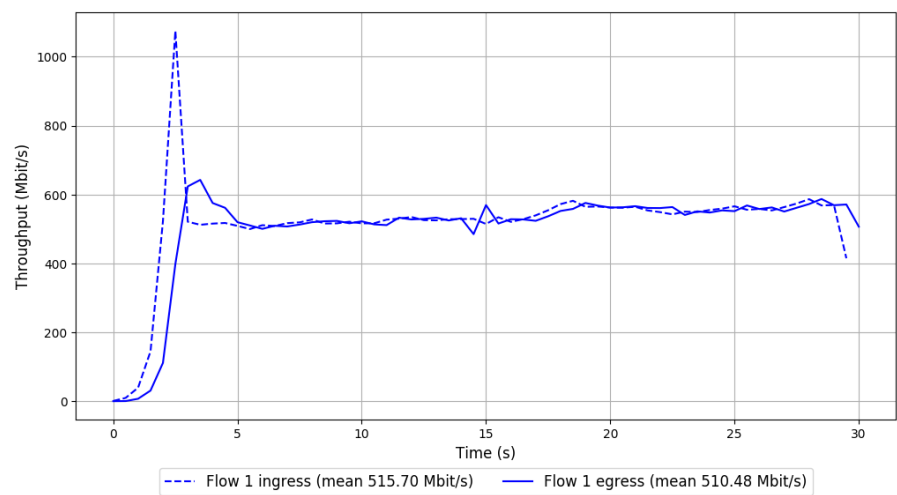
-- Flow 1:

Average throughput: 510.48 Mbit/s

95th percentile per-packet one-way delay: 143.358 ms

Loss rate: 1.01%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-03 09:37:22

End at: 2018-07-03 09:37:52

Local clock offset: 0.303 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-07-03 14:09:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 516.86 Mbit/s

95th percentile per-packet one-way delay: 216.132 ms

Loss rate: 2.60%

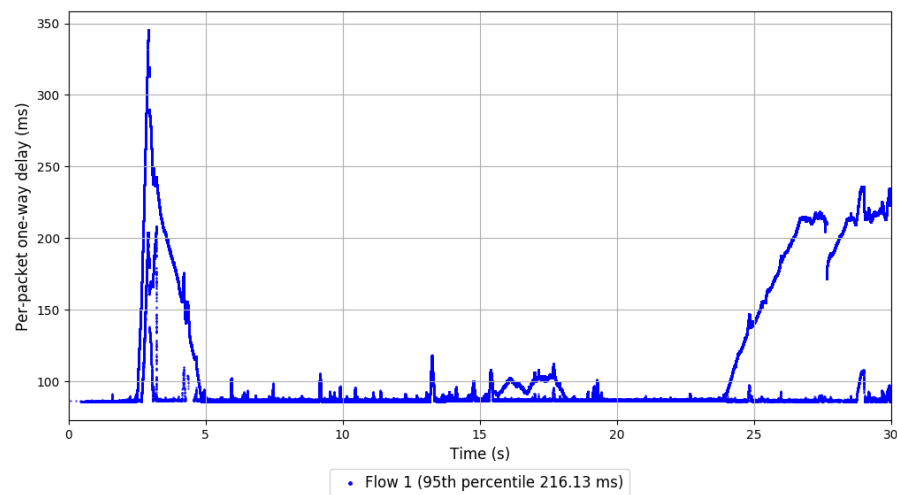
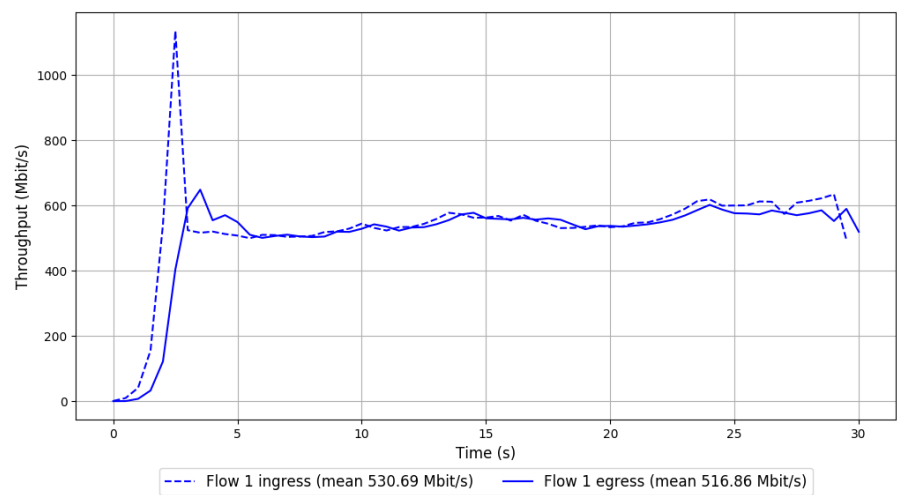
-- Flow 1:

Average throughput: 516.86 Mbit/s

95th percentile per-packet one-way delay: 216.132 ms

Loss rate: 2.60%

Run 2: Report of PCC-Allegro — Data Link

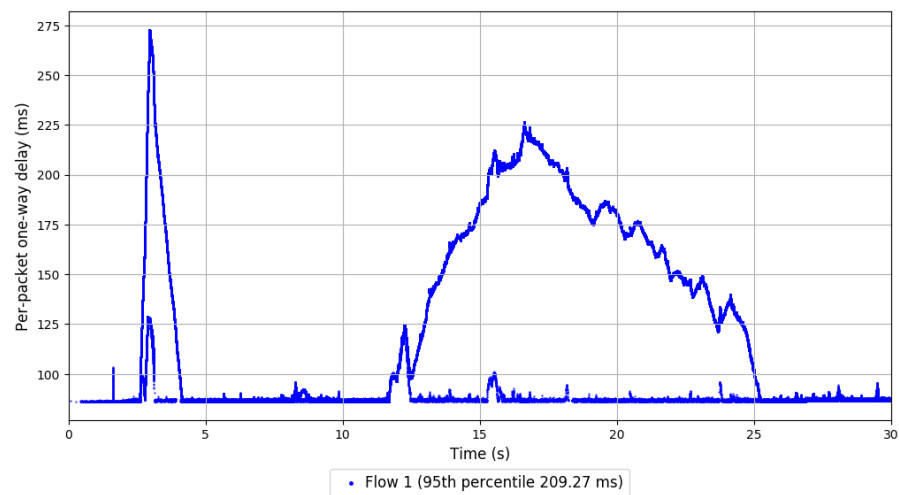
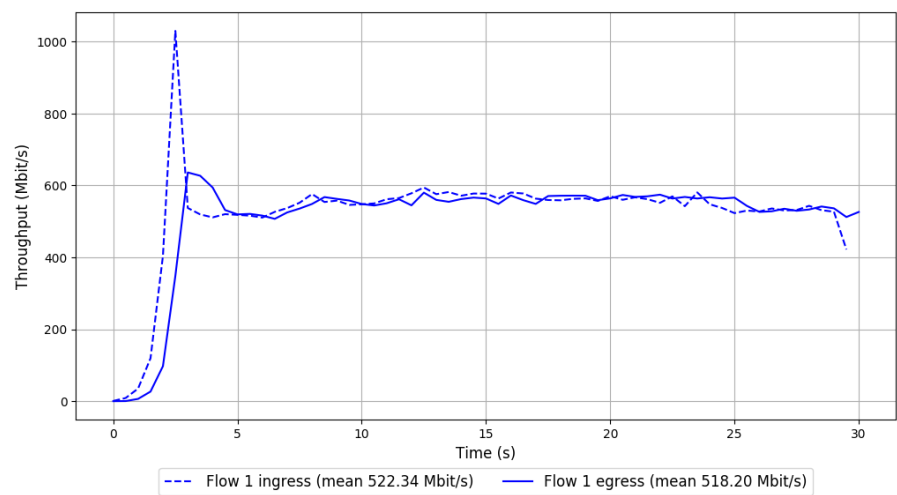


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-03 09:59:49
End at: 2018-07-03 10:00:19
Local clock offset: -0.105 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-03 14:09:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 518.20 Mbit/s
95th percentile per-packet one-way delay: 209.268 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 518.20 Mbit/s
95th percentile per-packet one-way delay: 209.268 ms
Loss rate: 0.79%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-03 10:22:23

End at: 2018-07-03 10:22:53

Local clock offset: 0.222 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-03 14:09:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 518.16 Mbit/s

95th percentile per-packet one-way delay: 109.733 ms

Loss rate: 0.65%

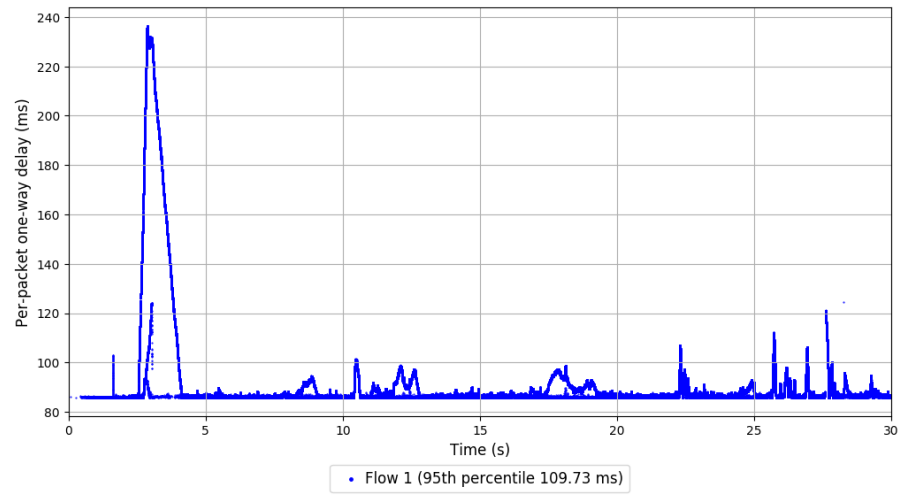
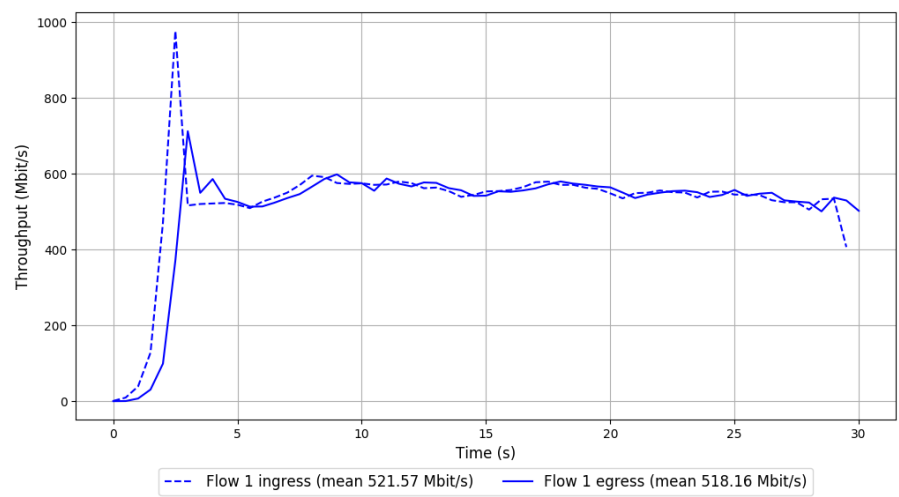
-- Flow 1:

Average throughput: 518.16 Mbit/s

95th percentile per-packet one-way delay: 109.733 ms

Loss rate: 0.65%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-03 10:44:38

End at: 2018-07-03 10:45:08

Local clock offset: -0.165 ms

Remote clock offset: 0.086 ms

Below is generated by plot.py at 2018-07-03 14:09:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 511.77 Mbit/s

95th percentile per-packet one-way delay: 163.291 ms

Loss rate: 1.16%

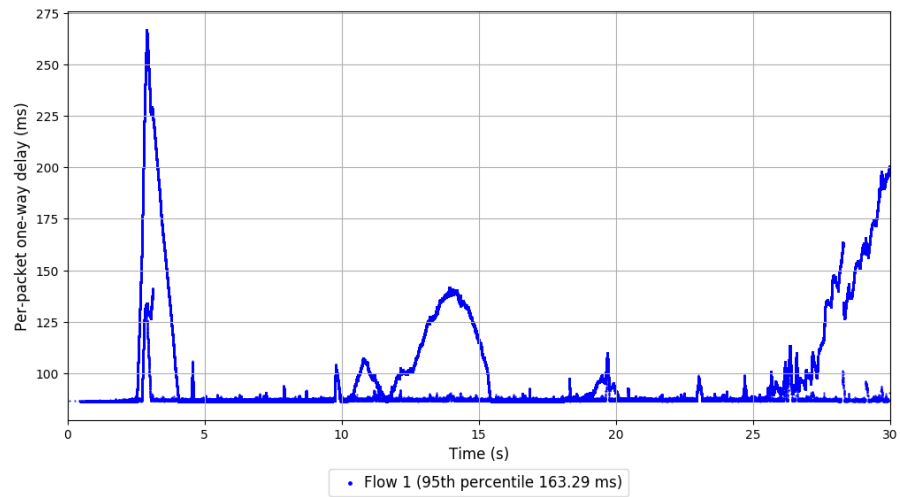
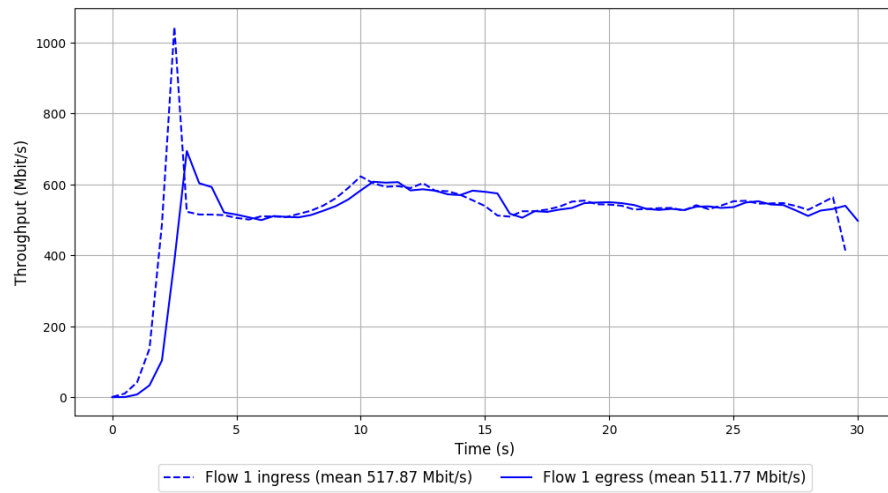
-- Flow 1:

Average throughput: 511.77 Mbit/s

95th percentile per-packet one-way delay: 163.291 ms

Loss rate: 1.16%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-03 11:07:06

End at: 2018-07-03 11:07:36

Local clock offset: 0.044 ms

Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-03 14:10:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 488.74 Mbit/s

95th percentile per-packet one-way delay: 160.059 ms

Loss rate: 0.71%

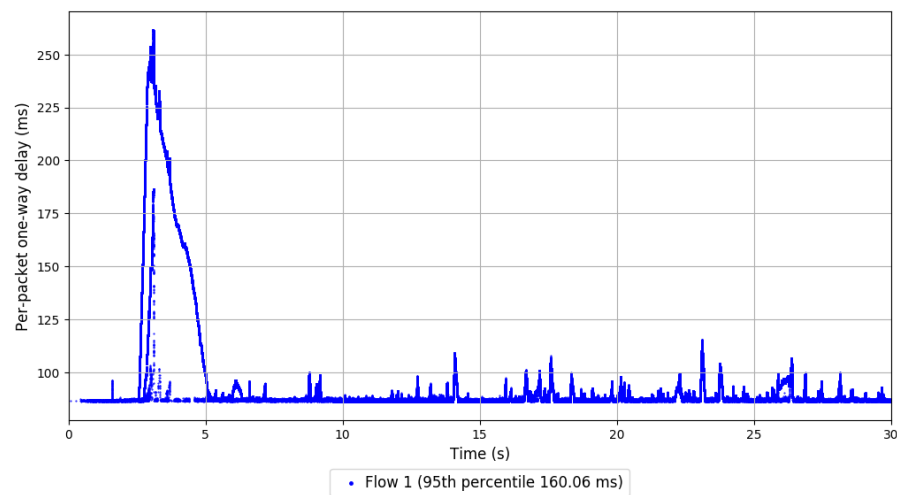
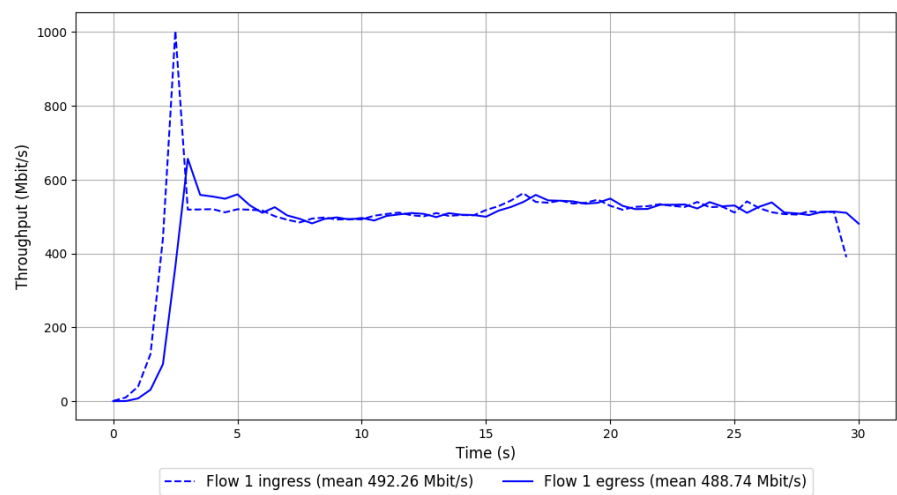
-- Flow 1:

Average throughput: 488.74 Mbit/s

95th percentile per-packet one-way delay: 160.059 ms

Loss rate: 0.71%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-03 11:29:24

End at: 2018-07-03 11:29:54

Local clock offset: 0.041 ms

Remote clock offset: -0.106 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 487.04 Mbit/s

95th percentile per-packet one-way delay: 229.995 ms

Loss rate: 1.71%

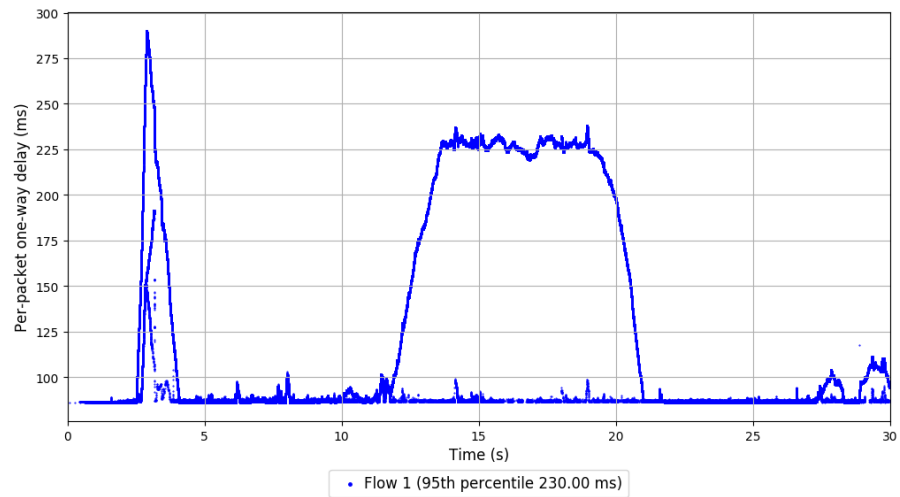
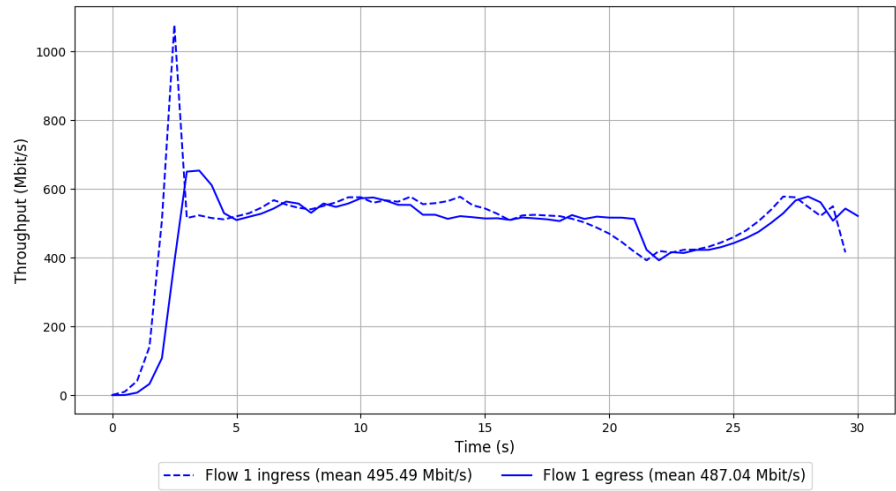
-- Flow 1:

Average throughput: 487.04 Mbit/s

95th percentile per-packet one-way delay: 229.995 ms

Loss rate: 1.71%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-03 11:51:42

End at: 2018-07-03 11:52:12

Local clock offset: -0.15 ms

Remote clock offset: -0.111 ms

Below is generated by plot.py at 2018-07-03 14:14:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 499.37 Mbit/s

95th percentile per-packet one-way delay: 163.384 ms

Loss rate: 0.70%

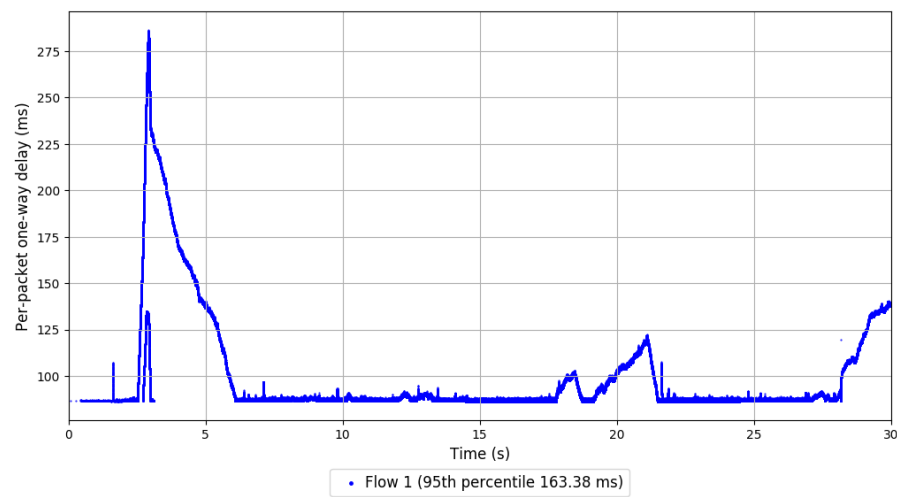
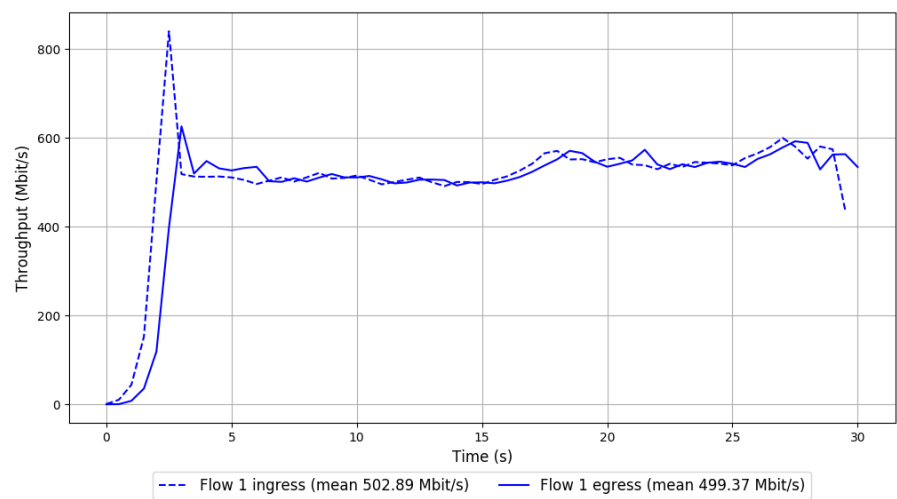
-- Flow 1:

Average throughput: 499.37 Mbit/s

95th percentile per-packet one-way delay: 163.384 ms

Loss rate: 0.70%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-03 12:14:16

End at: 2018-07-03 12:14:46

Local clock offset: -0.004 ms

Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-03 14:18:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 525.53 Mbit/s

95th percentile per-packet one-way delay: 128.576 ms

Loss rate: 0.74%

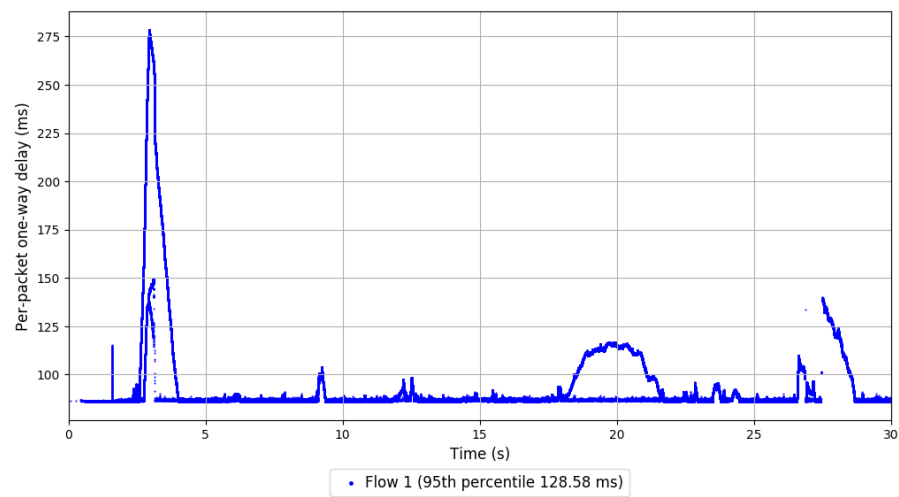
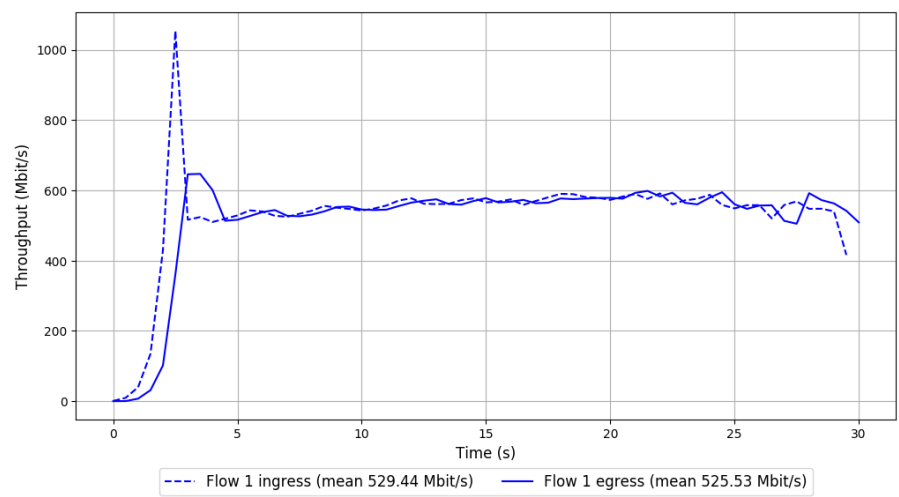
-- Flow 1:

Average throughput: 525.53 Mbit/s

95th percentile per-packet one-way delay: 128.576 ms

Loss rate: 0.74%

Run 9: Report of PCC-Allegro — Data Link

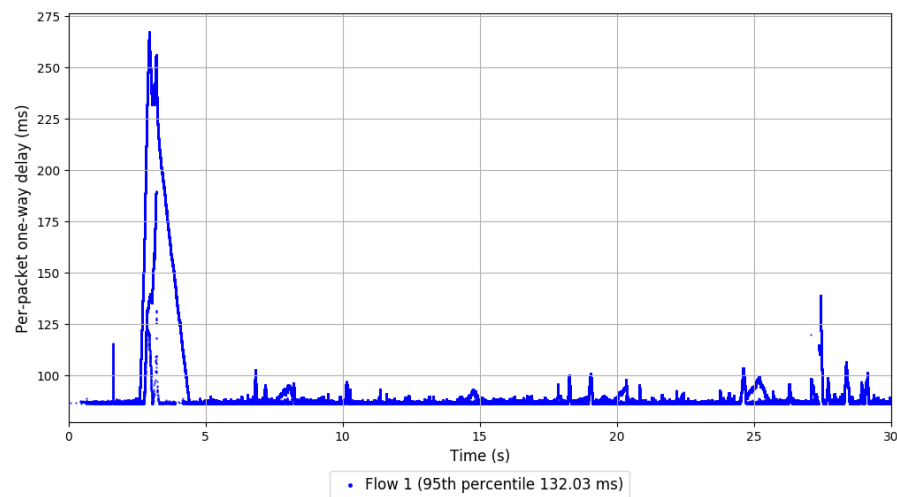
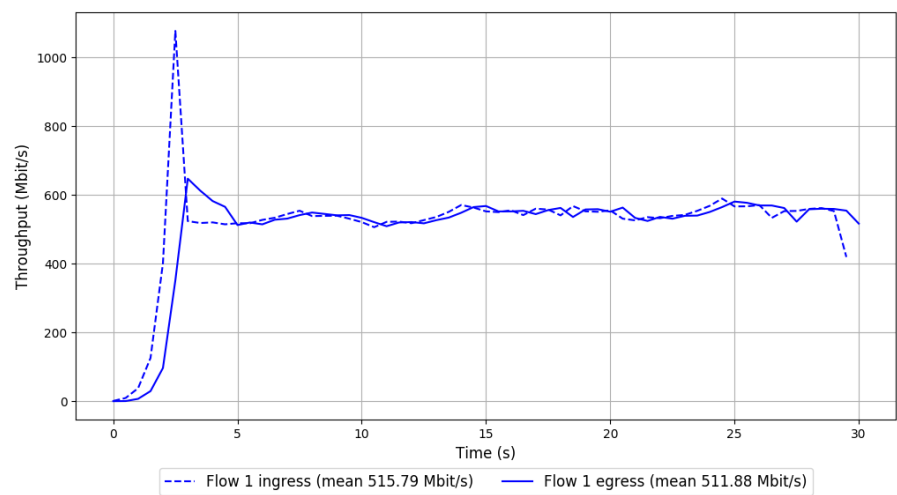


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-03 12:36:32
End at: 2018-07-03 12:37:02
Local clock offset: -0.206 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-03 14:18:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 511.88 Mbit/s
95th percentile per-packet one-way delay: 132.027 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 511.88 Mbit/s
95th percentile per-packet one-way delay: 132.027 ms
Loss rate: 0.76%

Run 10: Report of PCC-Allegro — Data Link

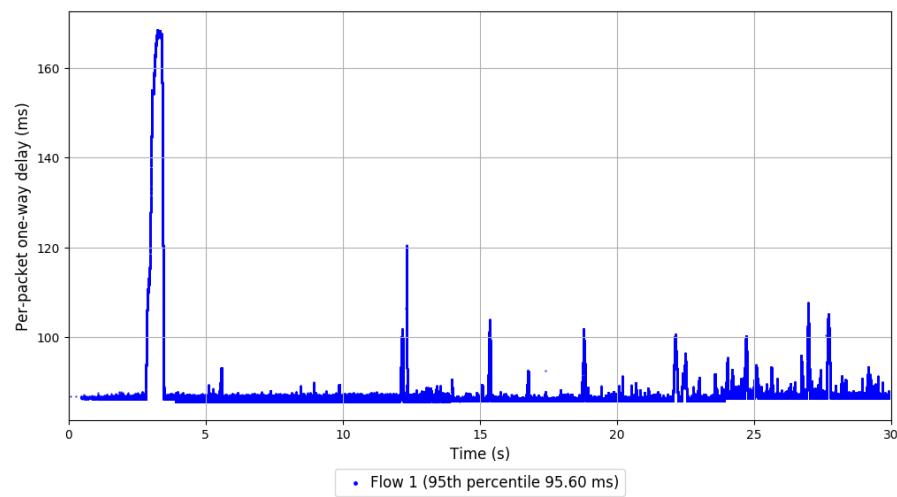
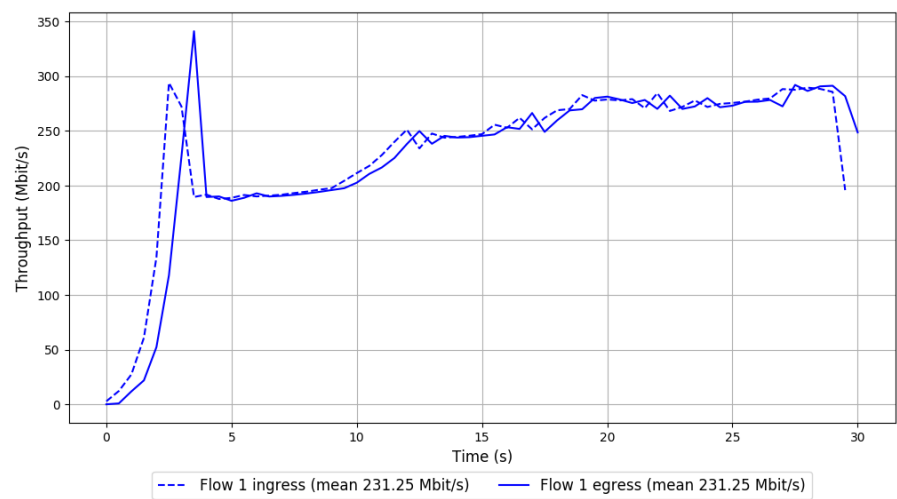


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-03 09:13:42
End at: 2018-07-03 09:14:12
Local clock offset: 0.144 ms
Remote clock offset: 0.033 ms

# Below is generated by plot.py at 2018-07-03 14:18:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 231.25 Mbit/s
95th percentile per-packet one-way delay: 95.600 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 231.25 Mbit/s
95th percentile per-packet one-way delay: 95.600 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-07-03 09:35:52

End at: 2018-07-03 09:36:22

Local clock offset: 0.038 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-03 14:18:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 258.50 Mbit/s

95th percentile per-packet one-way delay: 106.508 ms

Loss rate: 0.00%

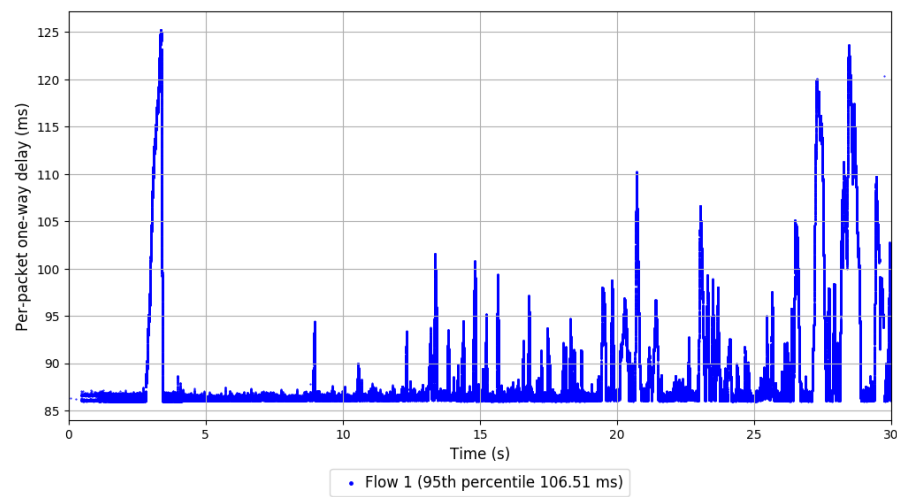
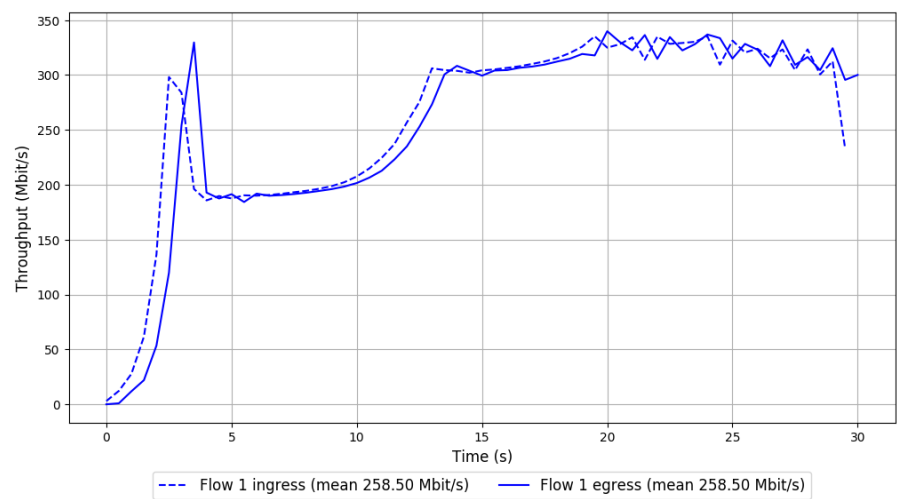
-- Flow 1:

Average throughput: 258.50 Mbit/s

95th percentile per-packet one-way delay: 106.508 ms

Loss rate: 0.00%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-03 09:58:19

End at: 2018-07-03 09:58:49

Local clock offset: -0.007 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-07-03 14:18:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 259.24 Mbit/s

95th percentile per-packet one-way delay: 208.927 ms

Loss rate: 1.76%

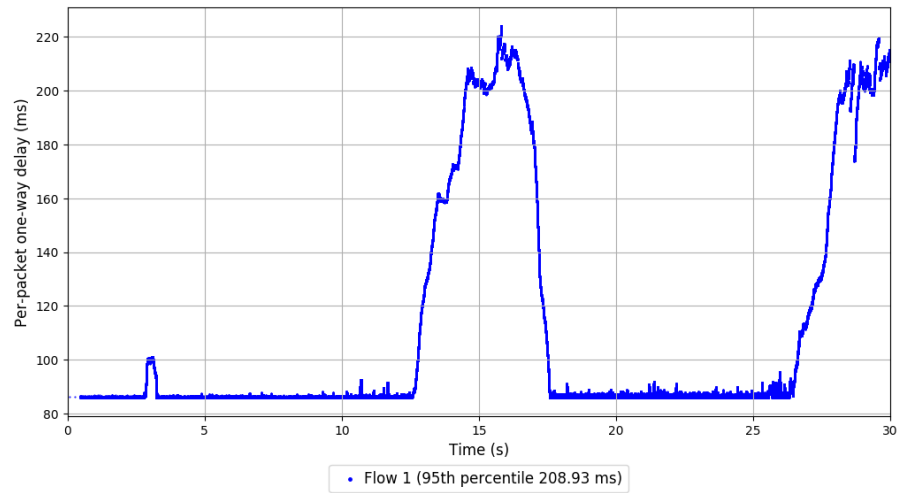
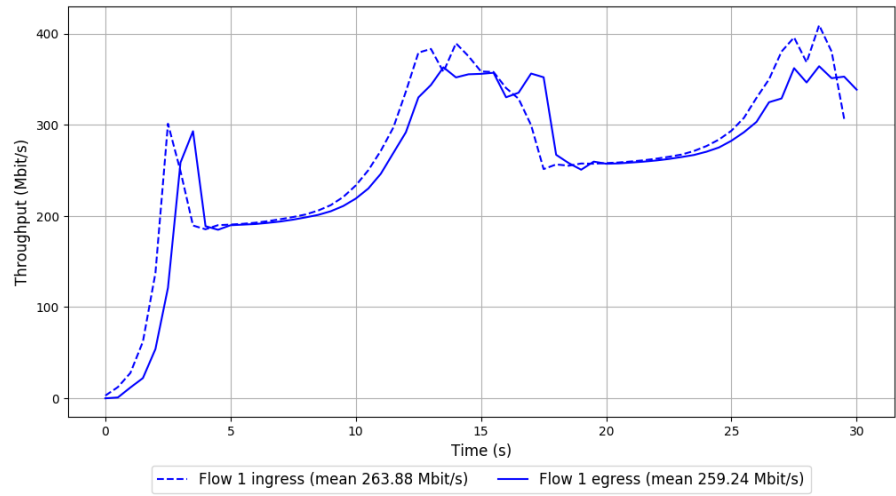
-- Flow 1:

Average throughput: 259.24 Mbit/s

95th percentile per-packet one-way delay: 208.927 ms

Loss rate: 1.76%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-03 10:20:48

End at: 2018-07-03 10:21:18

Local clock offset: 0.296 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-07-03 14:21:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 309.93 Mbit/s

95th percentile per-packet one-way delay: 206.861 ms

Loss rate: 1.01%

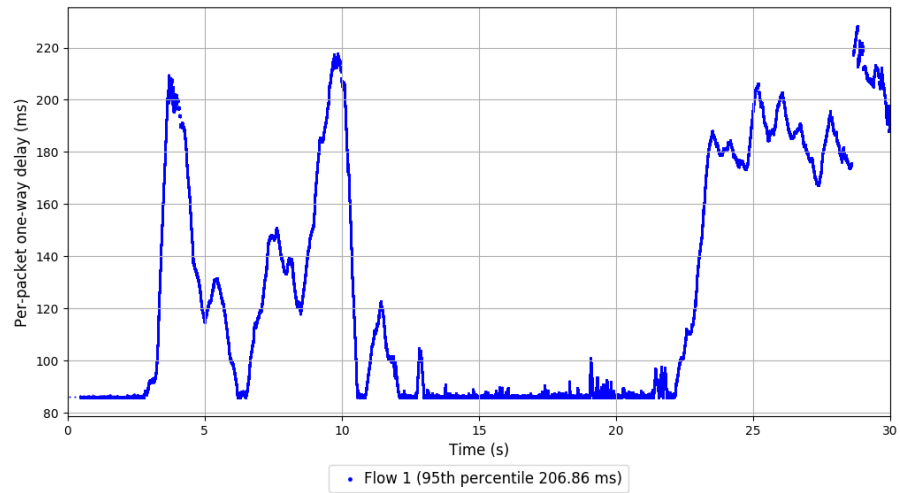
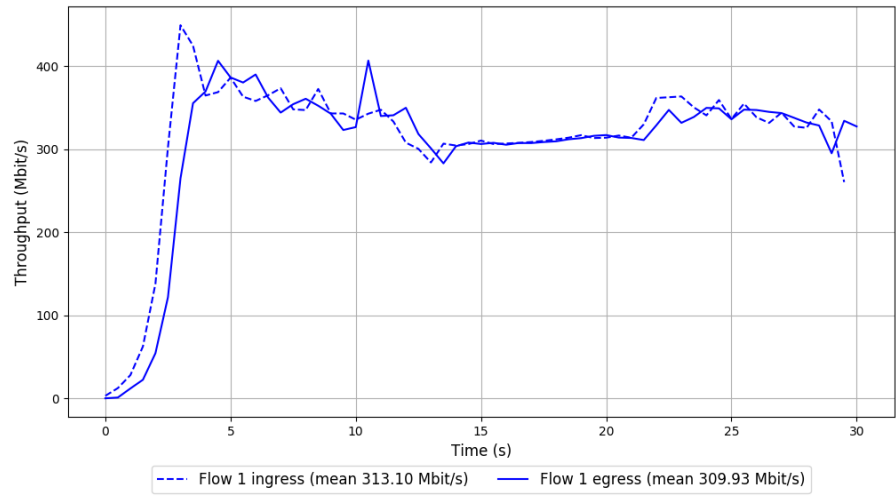
-- Flow 1:

Average throughput: 309.93 Mbit/s

95th percentile per-packet one-way delay: 206.861 ms

Loss rate: 1.01%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-03 10:43:04

End at: 2018-07-03 10:43:34

Local clock offset: 0.184 ms

Remote clock offset: 0.085 ms

Below is generated by plot.py at 2018-07-03 14:22:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 300.67 Mbit/s

95th percentile per-packet one-way delay: 237.565 ms

Loss rate: 0.78%

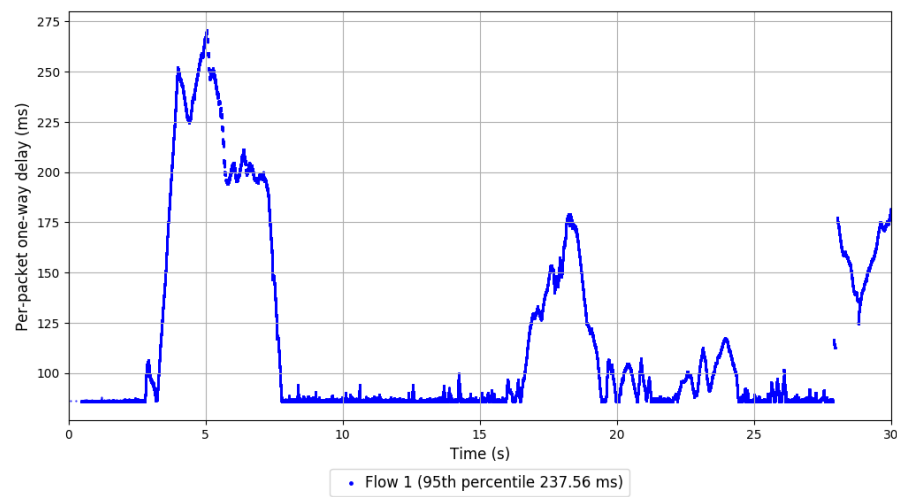
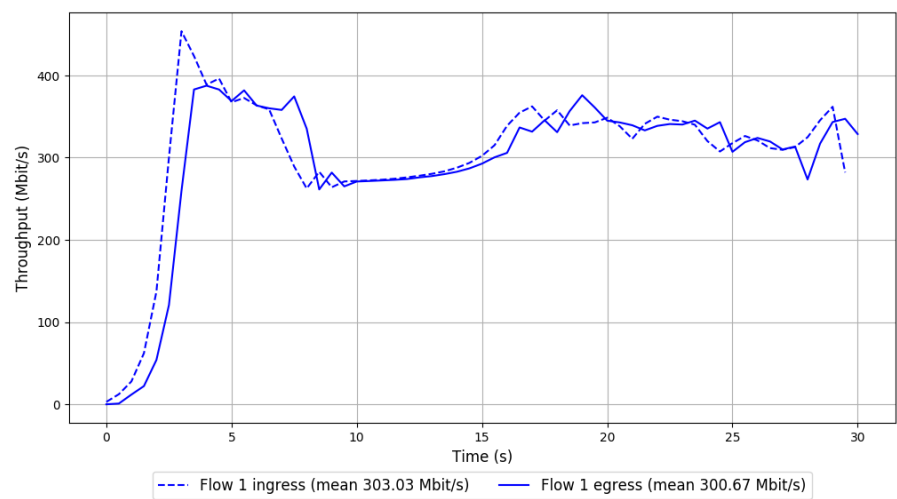
-- Flow 1:

Average throughput: 300.67 Mbit/s

95th percentile per-packet one-way delay: 237.565 ms

Loss rate: 0.78%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-03 11:05:36

End at: 2018-07-03 11:06:06

Local clock offset: 0.067 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-07-03 14:24:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 263.99 Mbit/s

95th percentile per-packet one-way delay: 117.838 ms

Loss rate: 0.23%

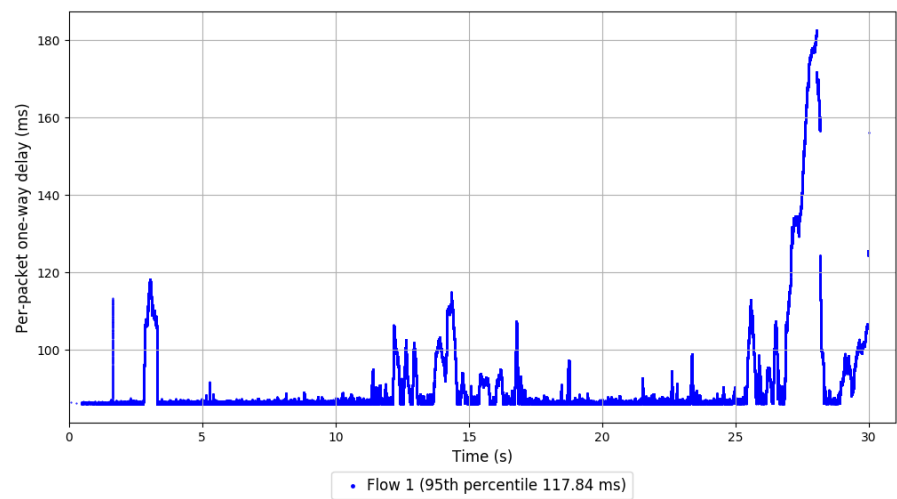
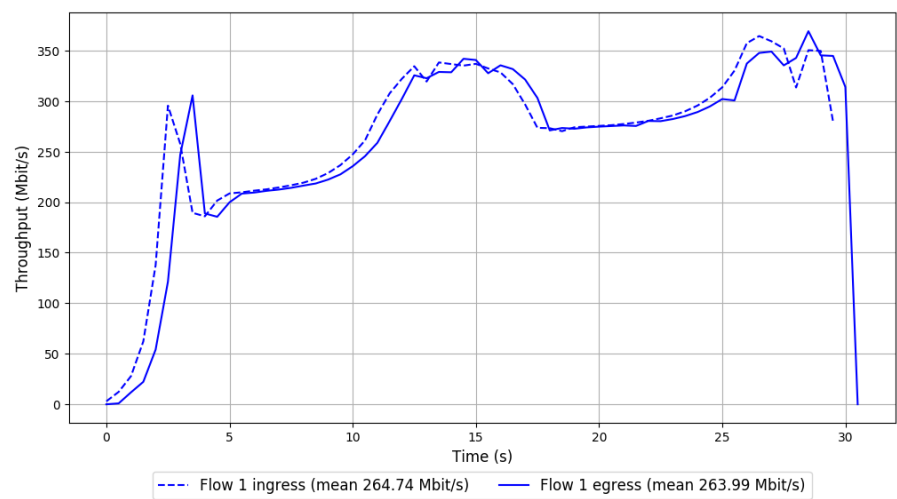
-- Flow 1:

Average throughput: 263.99 Mbit/s

95th percentile per-packet one-way delay: 117.838 ms

Loss rate: 0.23%

Run 6: Report of PCC-Expr — Data Link

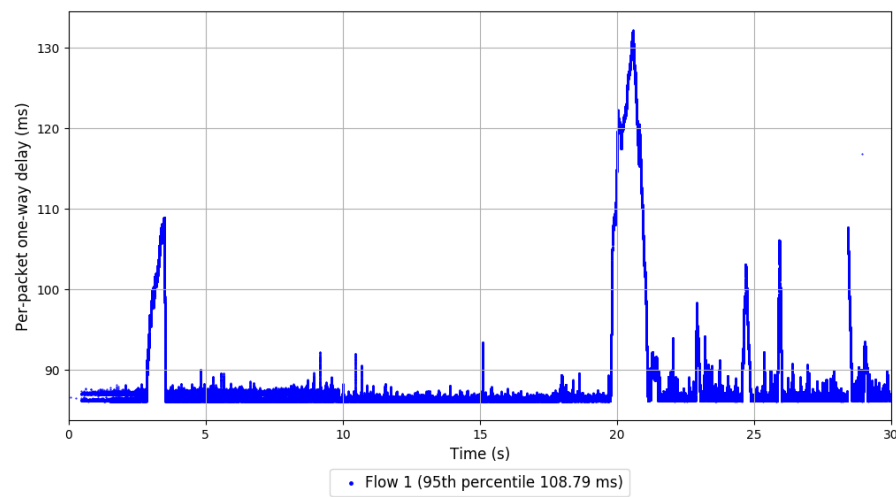
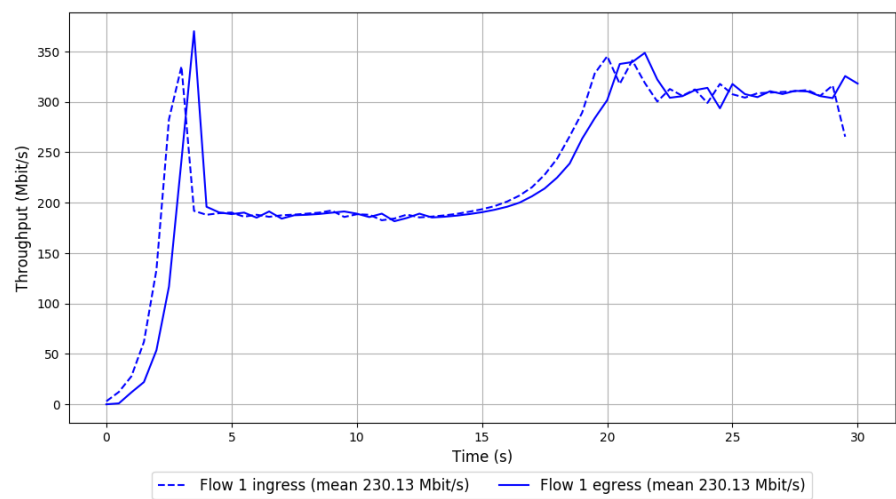


Run 7: Statistics of PCC-Expr

Start at: 2018-07-03 11:27:56
End at: 2018-07-03 11:28:26
Local clock offset: -0.045 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-03 14:24:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 230.13 Mbit/s
95th percentile per-packet one-way delay: 108.791 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 230.13 Mbit/s
95th percentile per-packet one-way delay: 108.791 ms
Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link

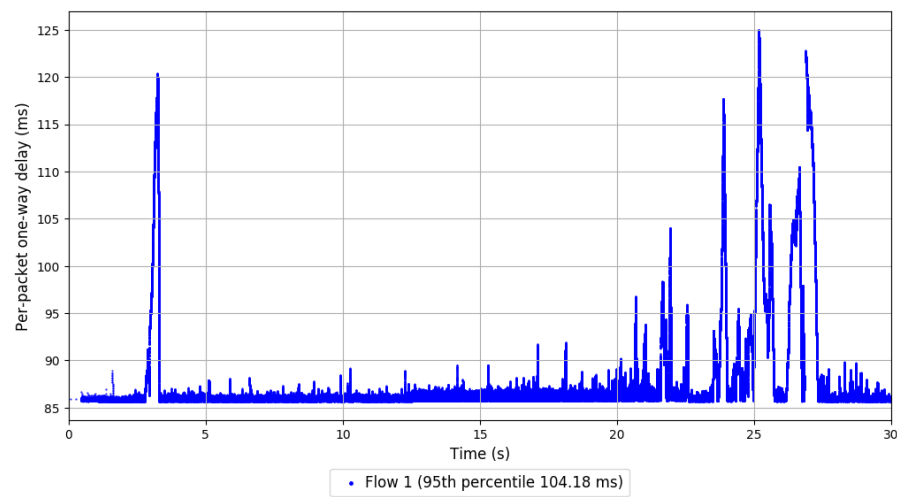
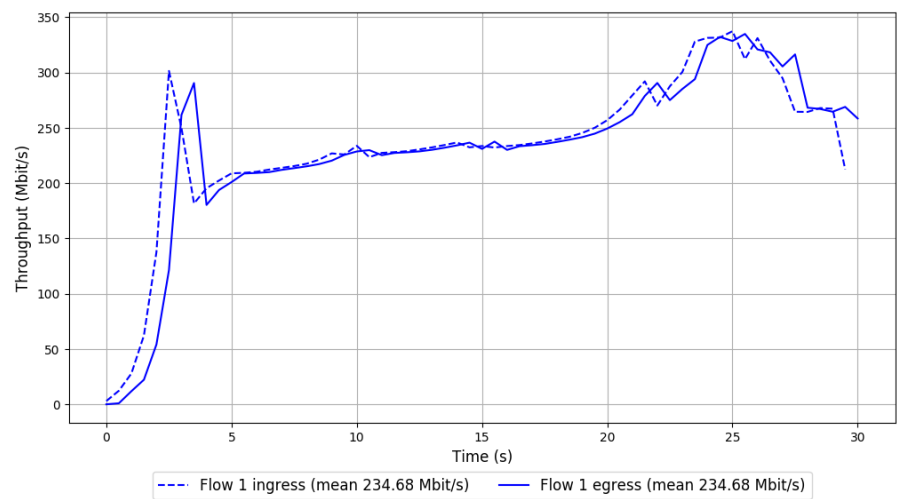


Run 8: Statistics of PCC-Expr

Start at: 2018-07-03 11:50:14
End at: 2018-07-03 11:50:44
Local clock offset: 0.142 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-07-03 14:25:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 234.68 Mbit/s
95th percentile per-packet one-way delay: 104.180 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 234.68 Mbit/s
95th percentile per-packet one-way delay: 104.180 ms
Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link

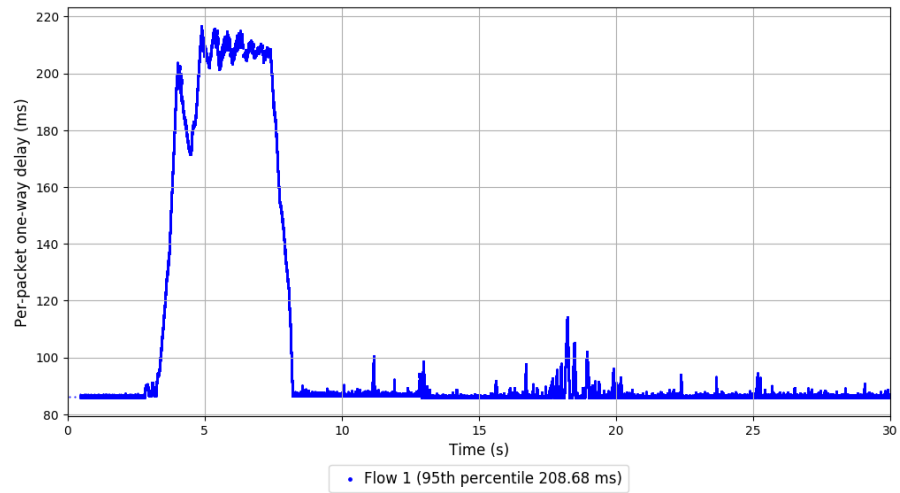
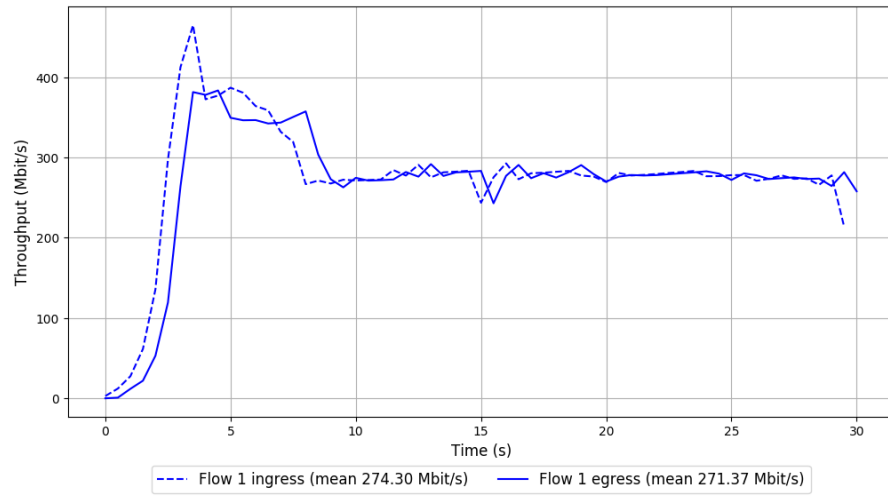


Run 9: Statistics of PCC-Expr

Start at: 2018-07-03 12:12:43
End at: 2018-07-03 12:13:13
Local clock offset: -0.084 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-07-03 14:26:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 271.37 Mbit/s
95th percentile per-packet one-way delay: 208.684 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 271.37 Mbit/s
95th percentile per-packet one-way delay: 208.684 ms
Loss rate: 1.07%

Run 9: Report of PCC-Expr — Data Link

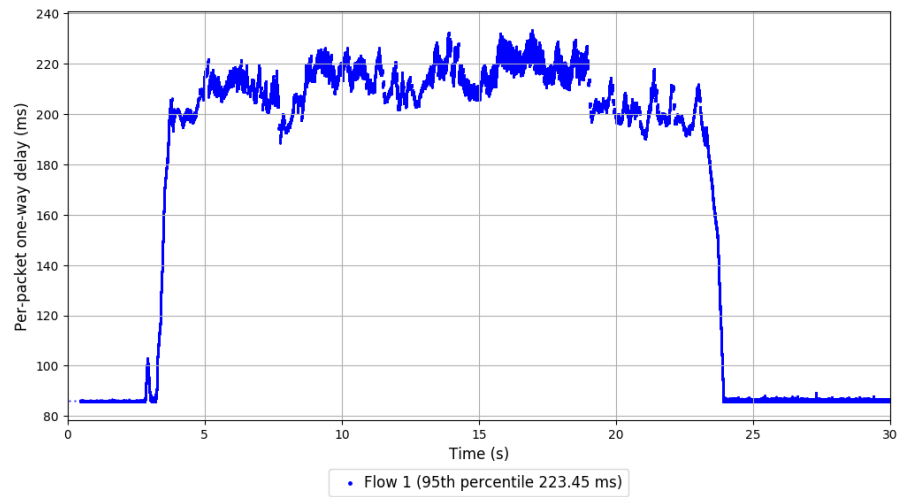
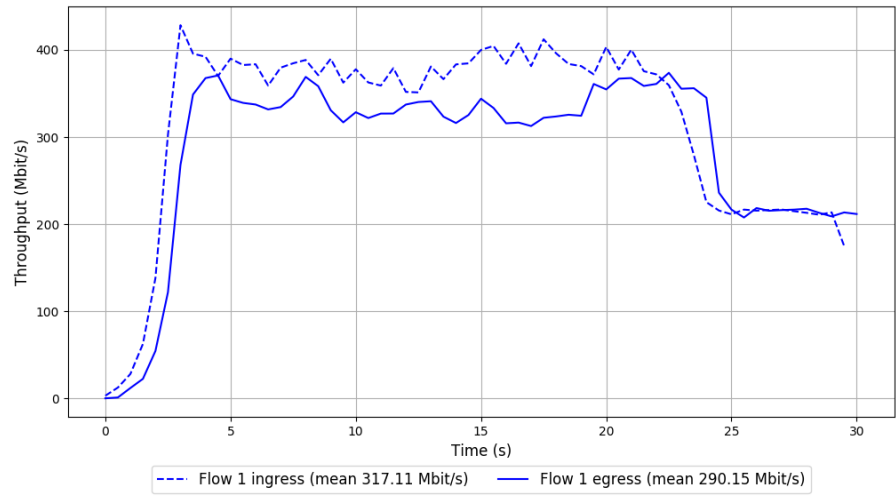


Run 10: Statistics of PCC-Expr

Start at: 2018-07-03 12:34:58
End at: 2018-07-03 12:35:28
Local clock offset: 0.176 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-03 14:27:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 290.15 Mbit/s
95th percentile per-packet one-way delay: 223.449 ms
Loss rate: 8.50%
-- Flow 1:
Average throughput: 290.15 Mbit/s
95th percentile per-packet one-way delay: 223.449 ms
Loss rate: 8.50%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

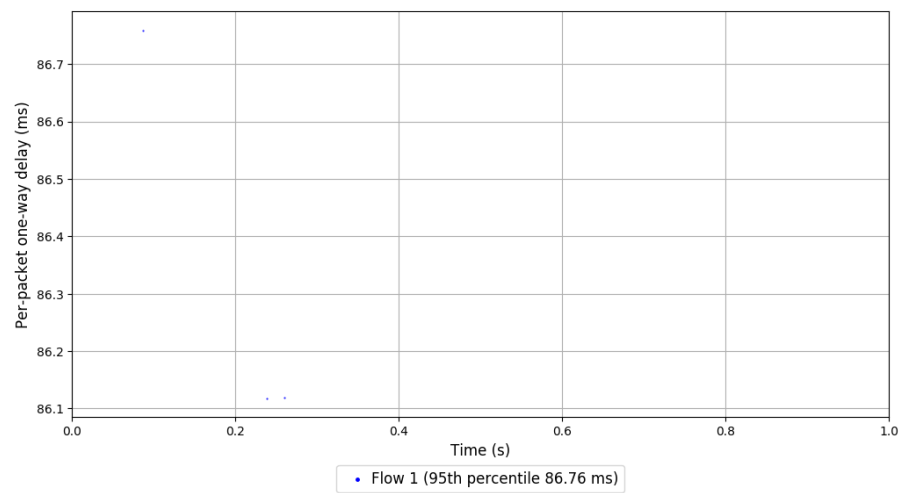
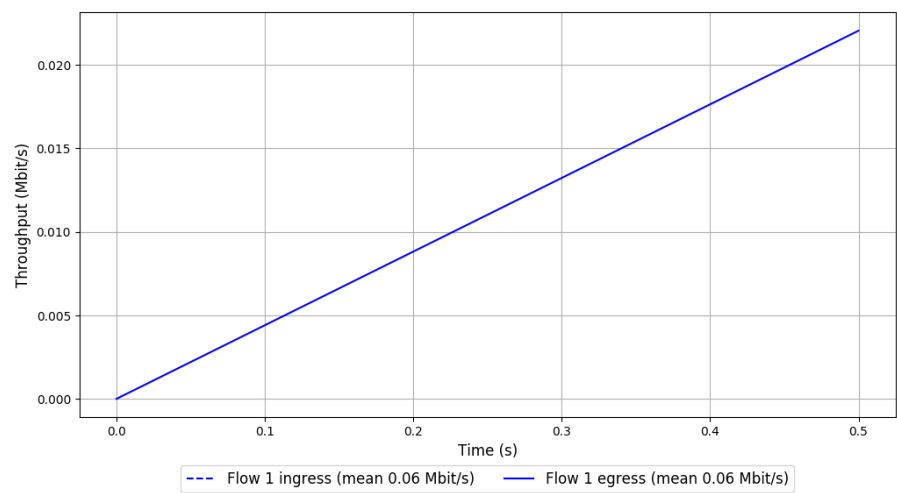
Start at: 2018-07-03 09:32:02

End at: 2018-07-03 09:32:32

Local clock offset: 0.135 ms

Remote clock offset: 0.009 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-03 09:54:24

End at: 2018-07-03 09:54:54

Local clock offset: 0.103 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-07-03 14:27:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.85 Mbit/s

95th percentile per-packet one-way delay: 86.531 ms

Loss rate: 0.00%

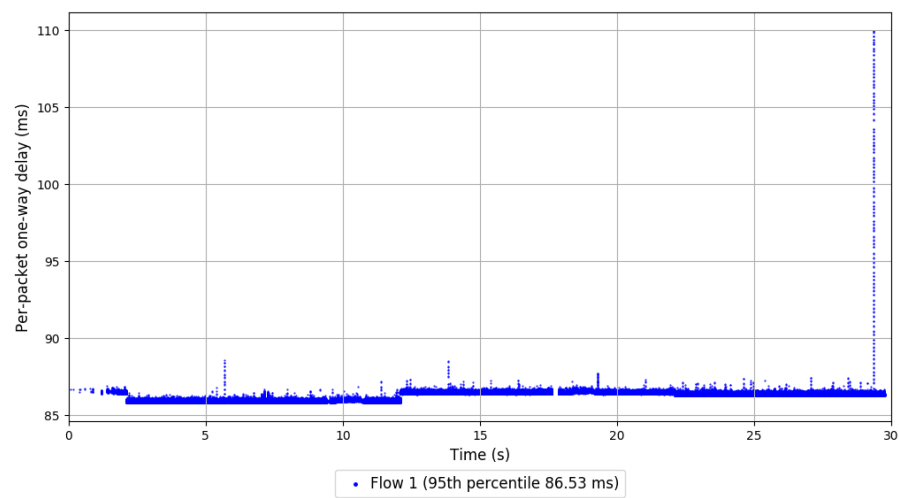
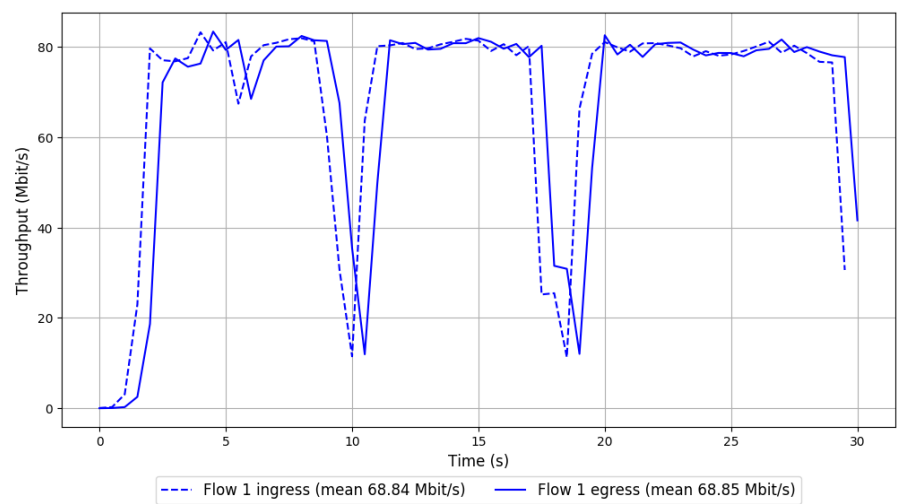
-- Flow 1:

Average throughput: 68.85 Mbit/s

95th percentile per-packet one-way delay: 86.531 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-03 10:16:53

End at: 2018-07-03 10:17:23

Local clock offset: 0.007 ms

Remote clock offset: 0.051 ms

Below is generated by plot.py at 2018-07-03 14:27:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.44 Mbit/s

95th percentile per-packet one-way delay: 86.383 ms

Loss rate: 0.00%

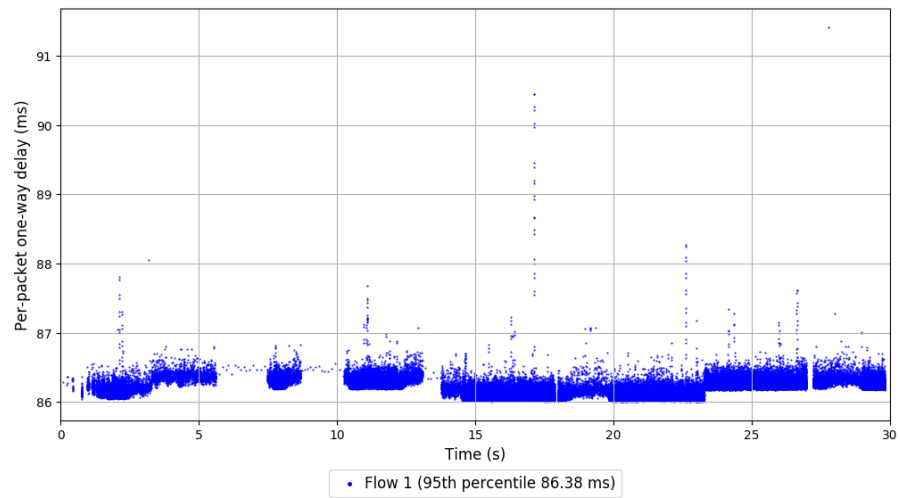
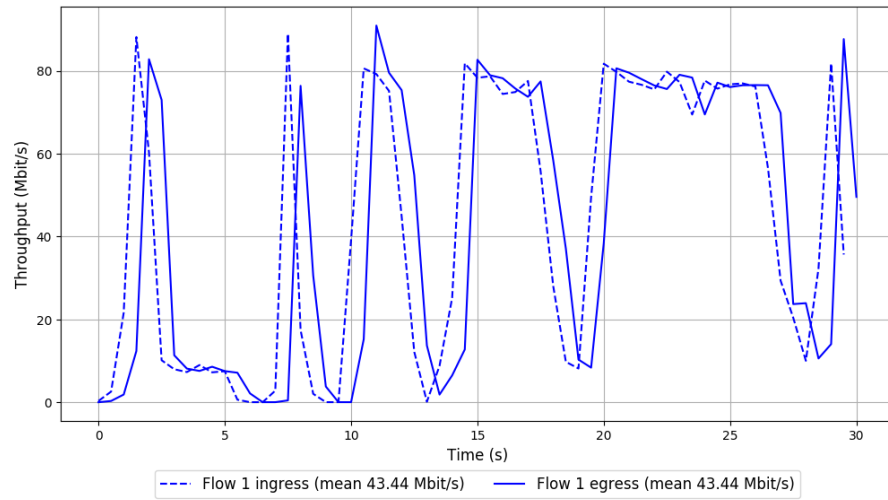
-- Flow 1:

Average throughput: 43.44 Mbit/s

95th percentile per-packet one-way delay: 86.383 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-03 10:39:29

End at: 2018-07-03 10:39:59

Local clock offset: -0.09 ms

Remote clock offset: 0.112 ms

Below is generated by plot.py at 2018-07-03 14:27:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.41 Mbit/s

95th percentile per-packet one-way delay: 87.034 ms

Loss rate: 0.00%

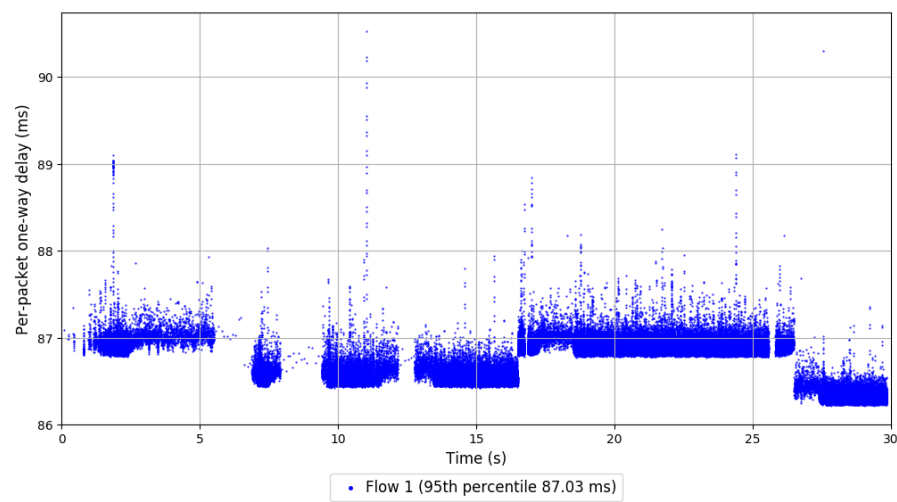
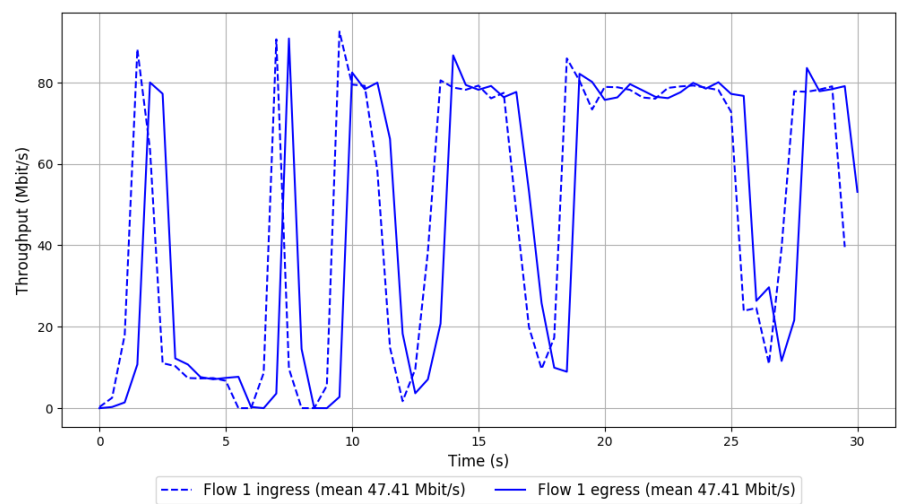
-- Flow 1:

Average throughput: 47.41 Mbit/s

95th percentile per-packet one-way delay: 87.034 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-03 11:01:41

End at: 2018-07-03 11:02:11

Local clock offset: 0.312 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-07-03 14:27:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.63 Mbit/s

95th percentile per-packet one-way delay: 86.072 ms

Loss rate: 0.00%

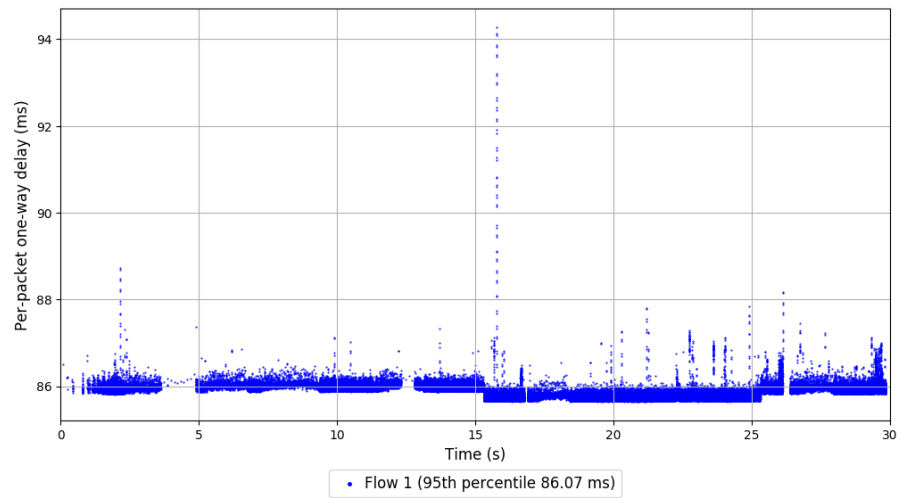
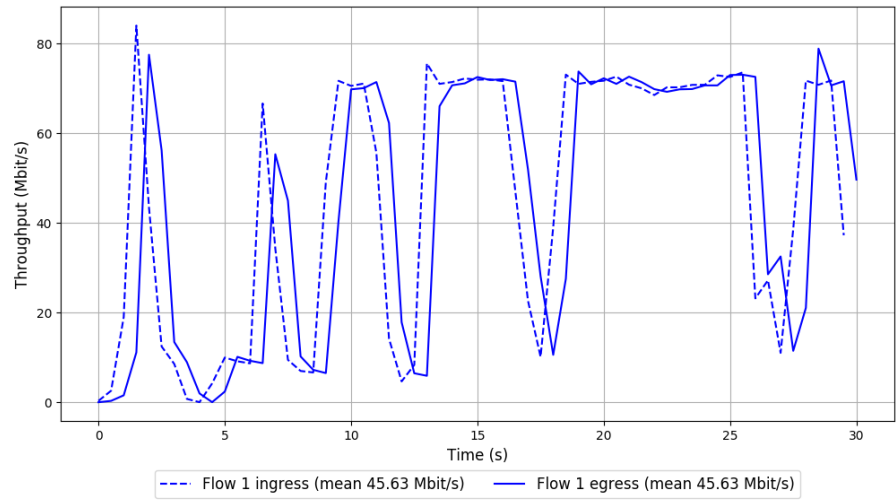
-- Flow 1:

Average throughput: 45.63 Mbit/s

95th percentile per-packet one-way delay: 86.072 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

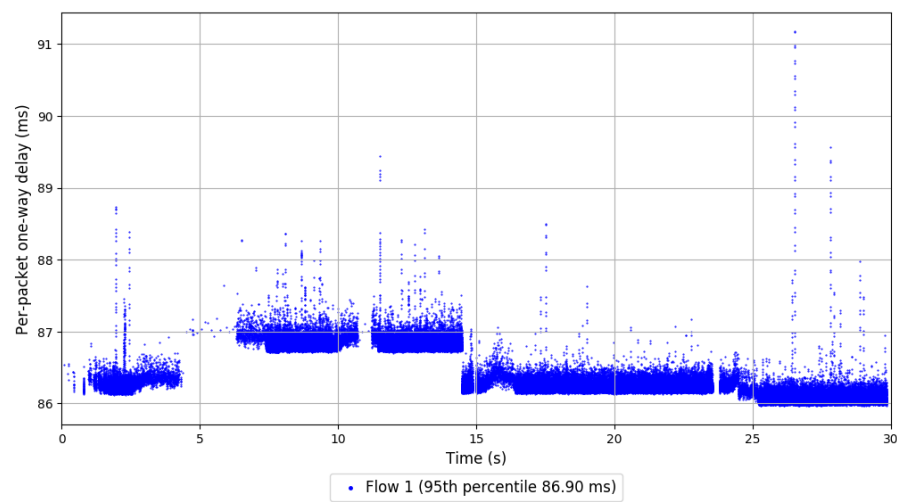
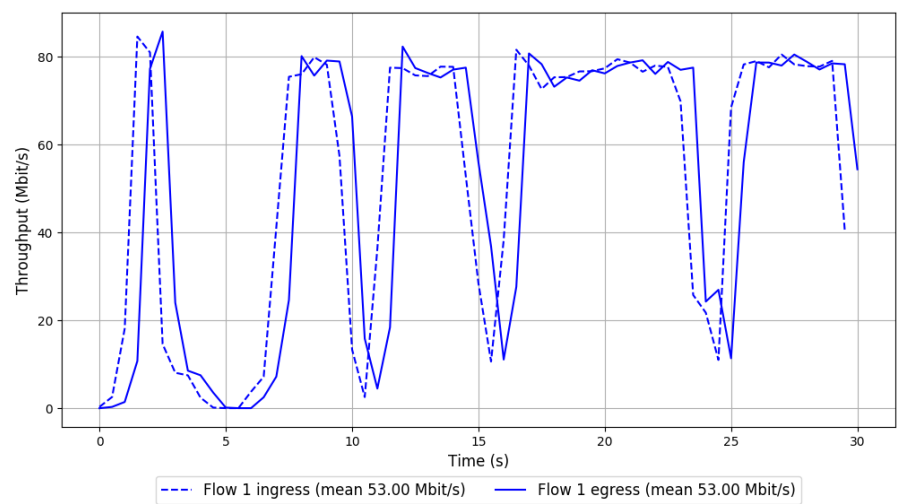


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-03 11:24:01
End at: 2018-07-03 11:24:31
Local clock offset: -0.007 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-07-03 14:27:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 53.00 Mbit/s
95th percentile per-packet one-way delay: 86.904 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.00 Mbit/s
95th percentile per-packet one-way delay: 86.904 ms
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

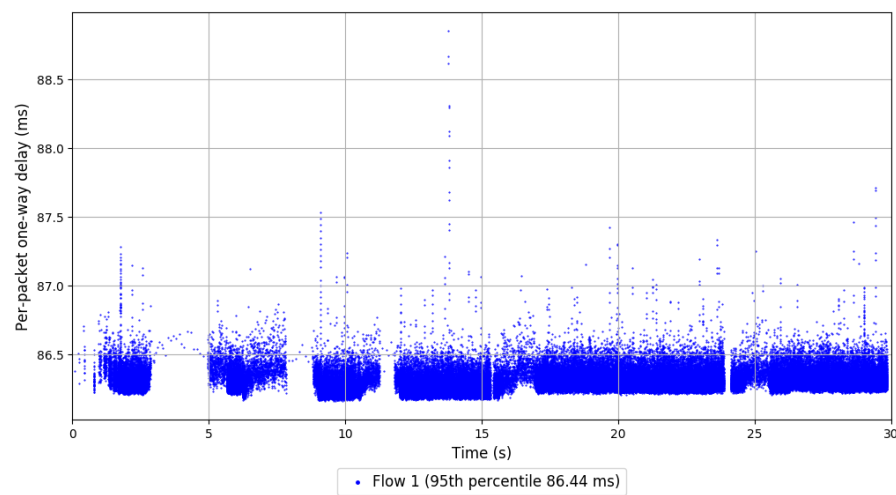
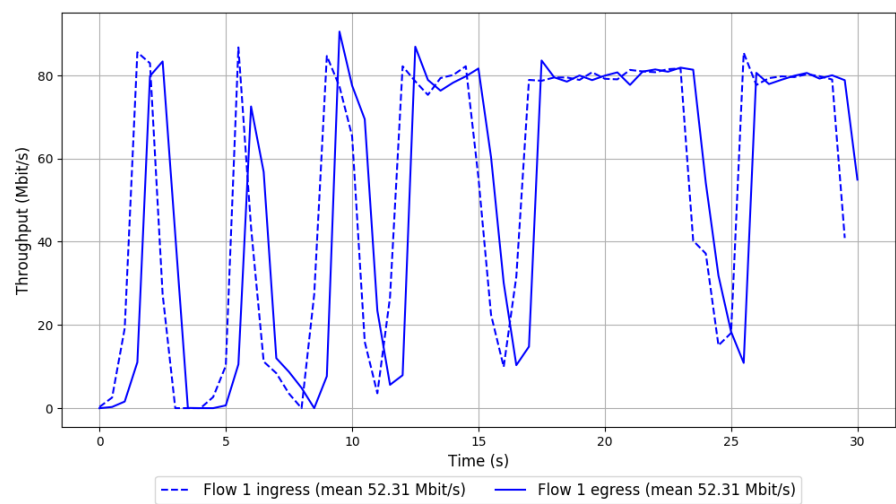


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-03 11:46:20
End at: 2018-07-03 11:46:50
Local clock offset: 0.082 ms
Remote clock offset: -0.137 ms

Below is generated by plot.py at 2018-07-03 14:27:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 52.31 Mbit/s
95th percentile per-packet one-way delay: 86.444 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.31 Mbit/s
95th percentile per-packet one-way delay: 86.444 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-03 12:08:50

End at: 2018-07-03 12:09:20

Local clock offset: 0.166 ms

Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-07-03 14:27:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.13 Mbit/s

95th percentile per-packet one-way delay: 85.954 ms

Loss rate: 0.00%

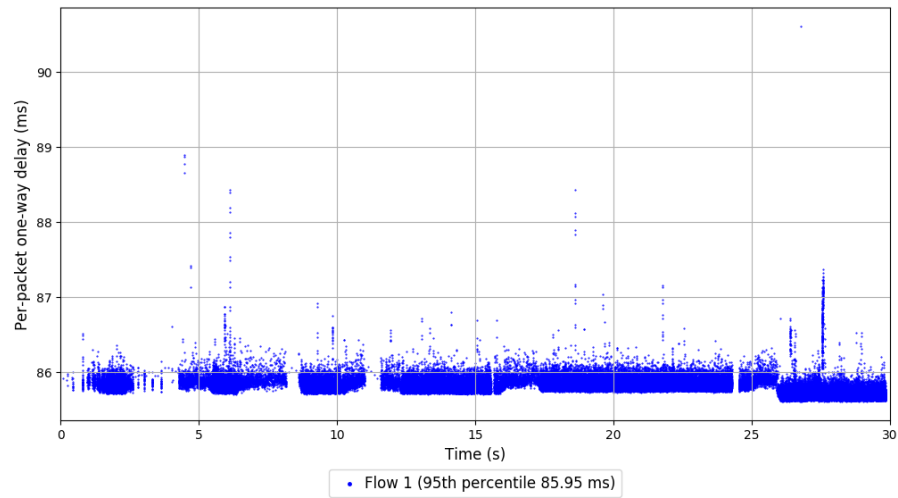
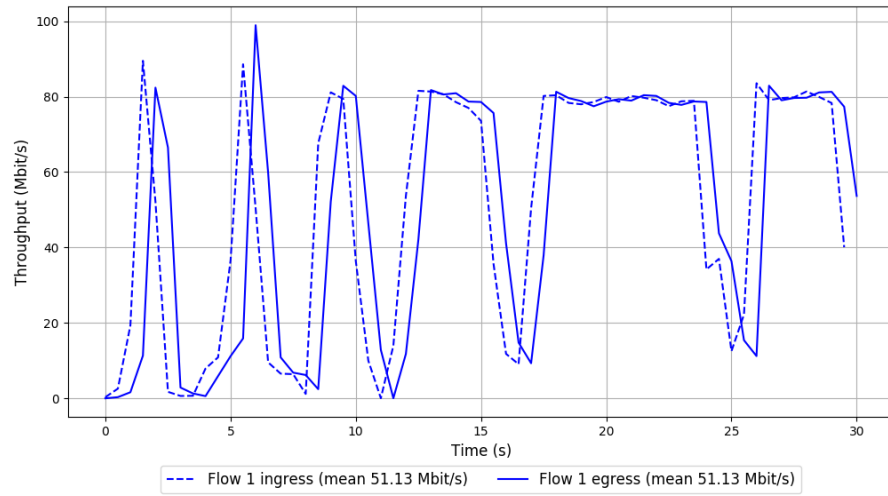
-- Flow 1:

Average throughput: 51.13 Mbit/s

95th percentile per-packet one-way delay: 85.954 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-03 12:31:10

End at: 2018-07-03 12:31:40

Local clock offset: 0.036 ms

Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-03 14:27:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.17 Mbit/s

95th percentile per-packet one-way delay: 86.301 ms

Loss rate: 0.00%

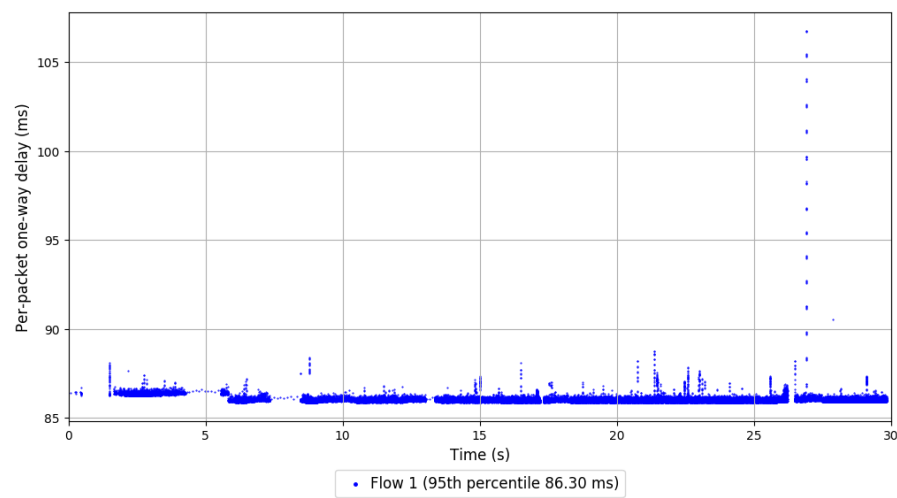
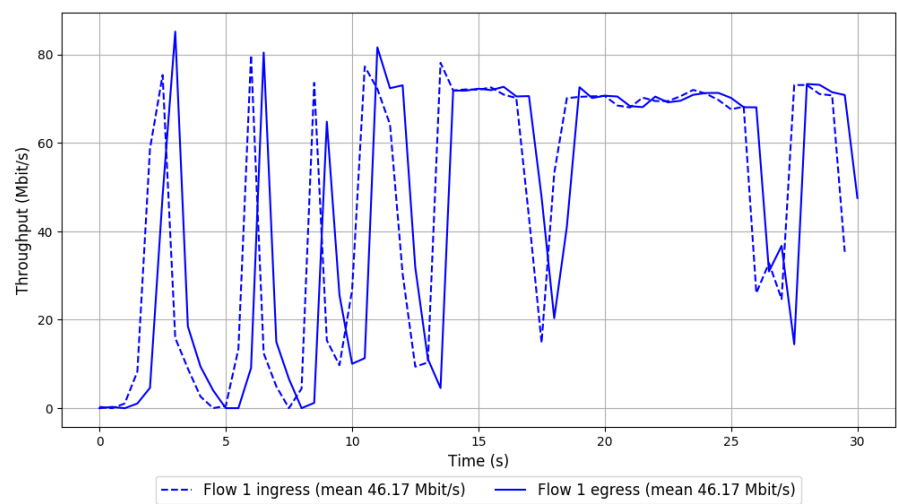
-- Flow 1:

Average throughput: 46.17 Mbit/s

95th percentile per-packet one-way delay: 86.301 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-03 12:53:36

End at: 2018-07-03 12:54:06

Local clock offset: -0.052 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-07-03 14:27:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.23 Mbit/s

95th percentile per-packet one-way delay: 86.657 ms

Loss rate: 0.00%

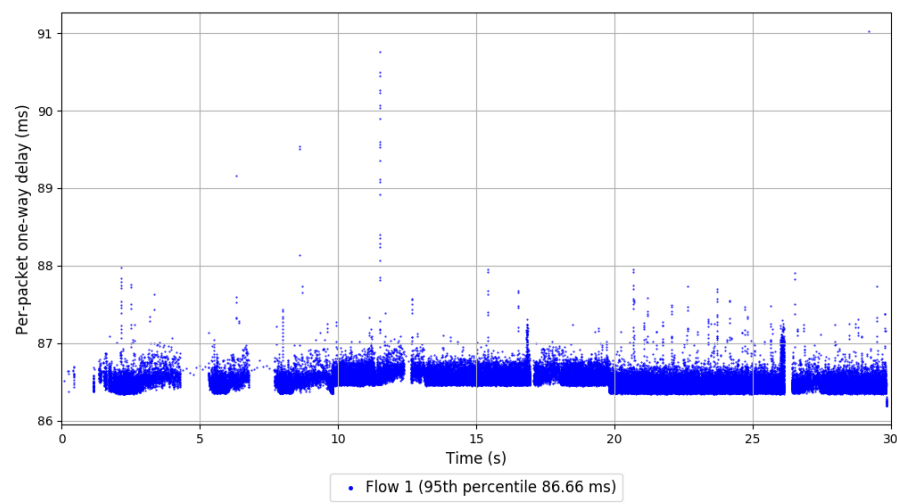
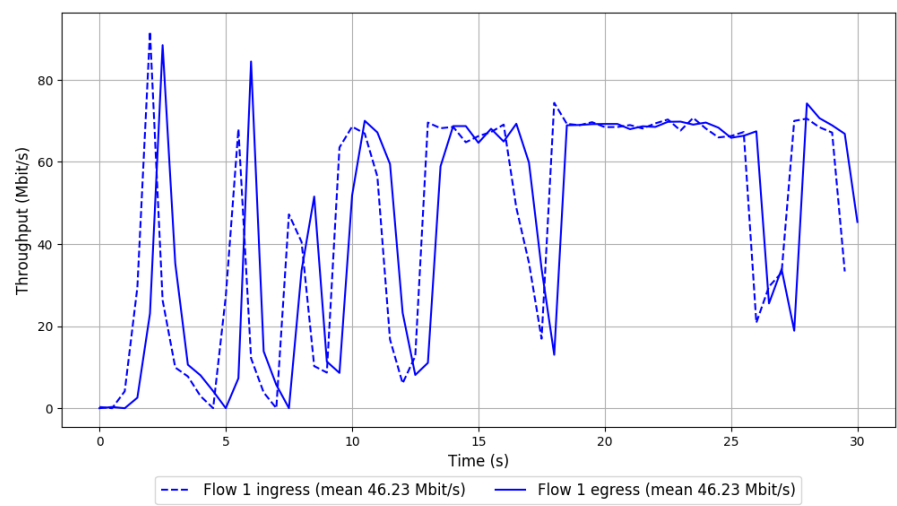
-- Flow 1:

Average throughput: 46.23 Mbit/s

95th percentile per-packet one-way delay: 86.657 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

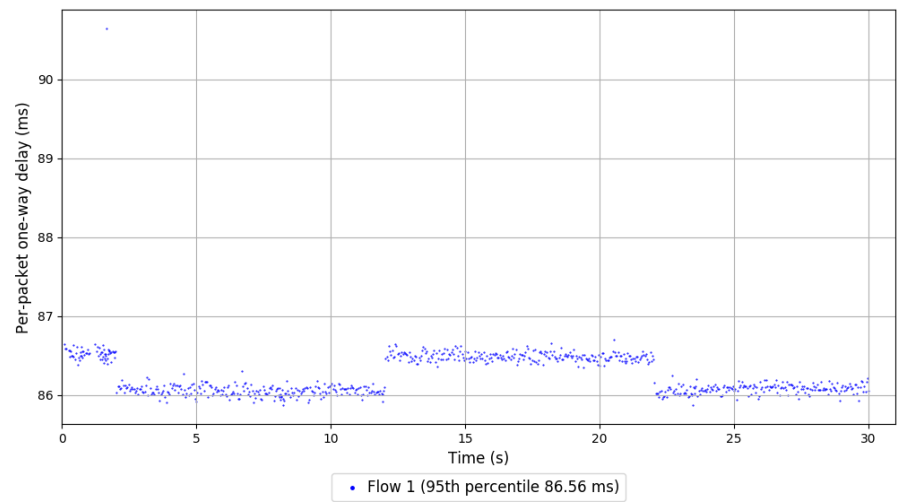
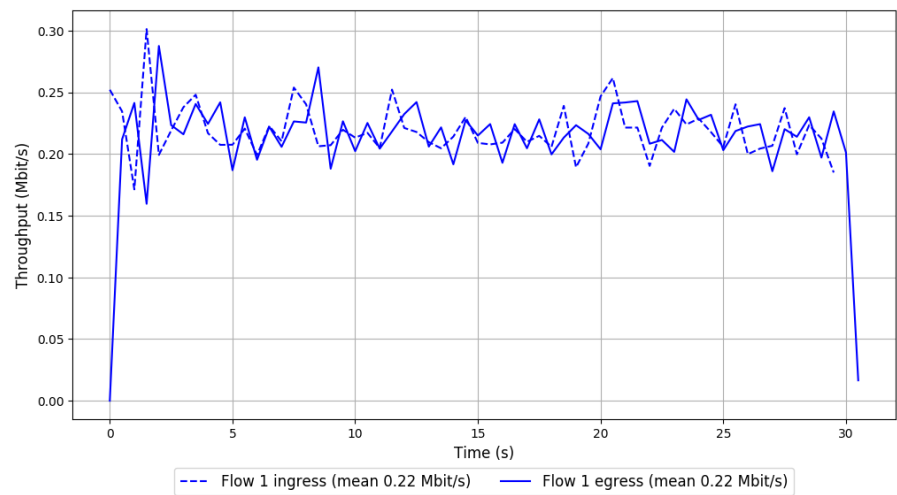


```
Run 1: Statistics of SCReAM

Start at: 2018-07-03 09:28:34
End at: 2018-07-03 09:29:04
Local clock offset: 0.336 ms
Remote clock offset: 0.052 ms

# Below is generated by plot.py at 2018-07-03 14:27:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.562 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.562 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-07-03 09:50:50

End at: 2018-07-03 09:51:20

Local clock offset: 0.313 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-07-03 14:27:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.491 ms

Loss rate: 0.00%

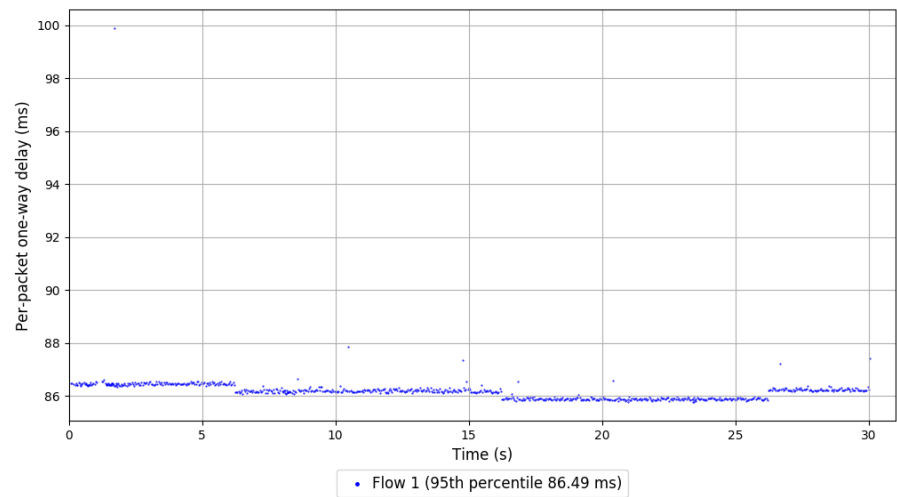
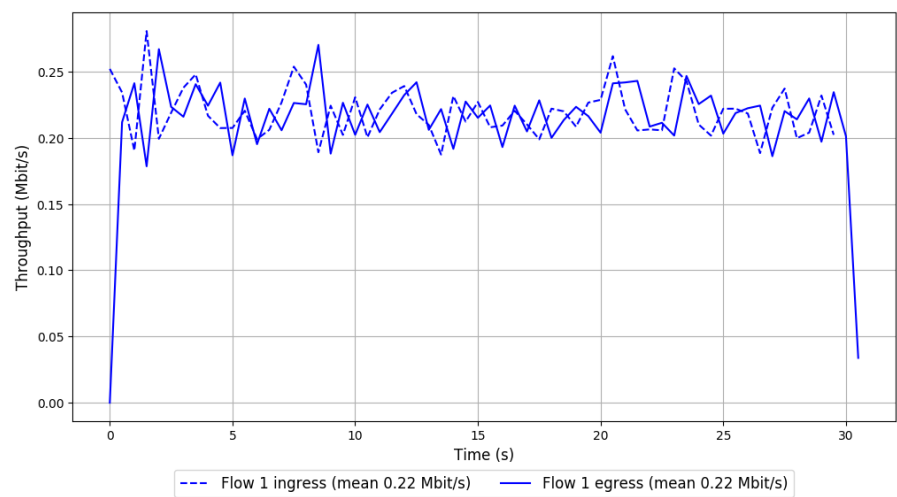
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.491 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

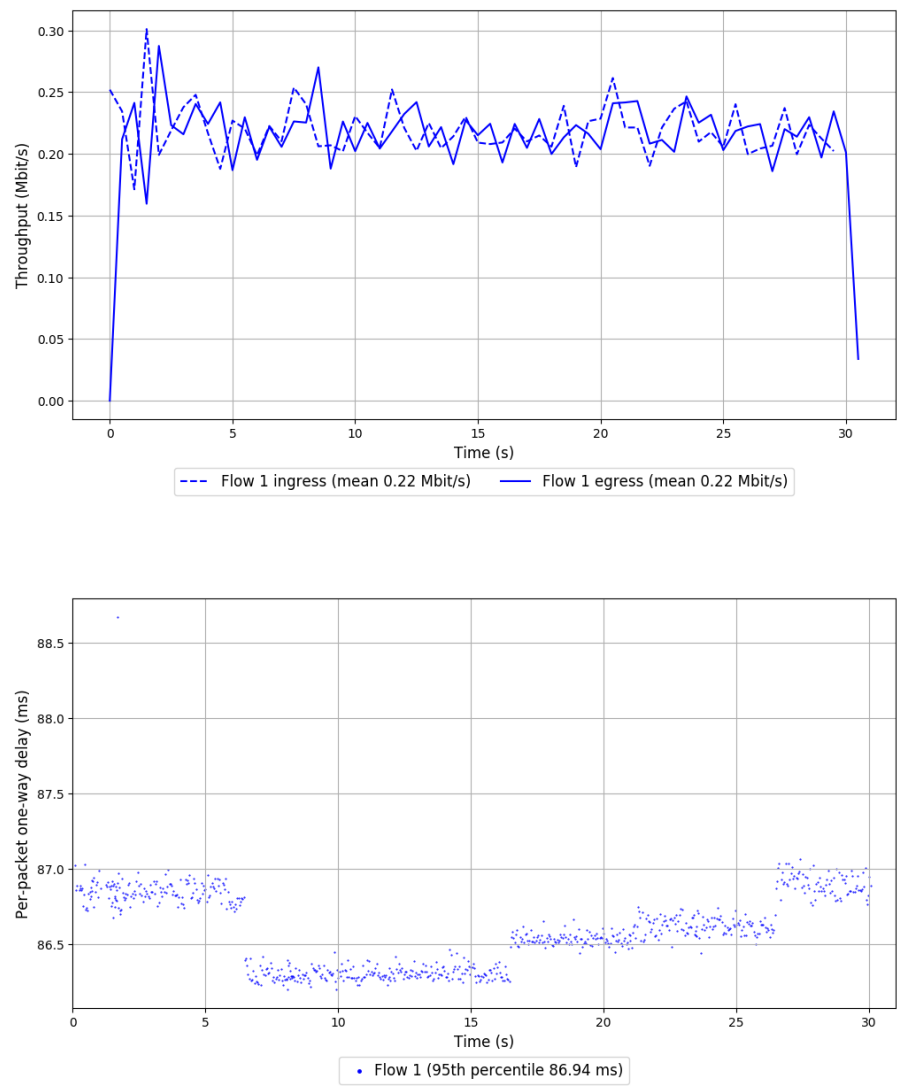


Run 3: Statistics of SCReAM

Start at: 2018-07-03 10:13:20
End at: 2018-07-03 10:13:50
Local clock offset: -0.144 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-03 14:27:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.942 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.942 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-07-03 10:35:55

End at: 2018-07-03 10:36:25

Local clock offset: 0.018 ms

Remote clock offset: 0.061 ms

Below is generated by plot.py at 2018-07-03 14:27:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.335 ms

Loss rate: 0.00%

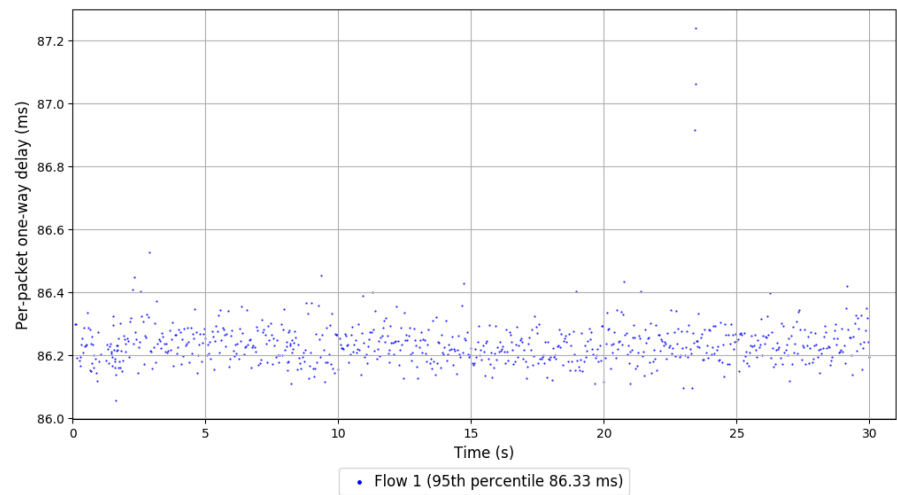
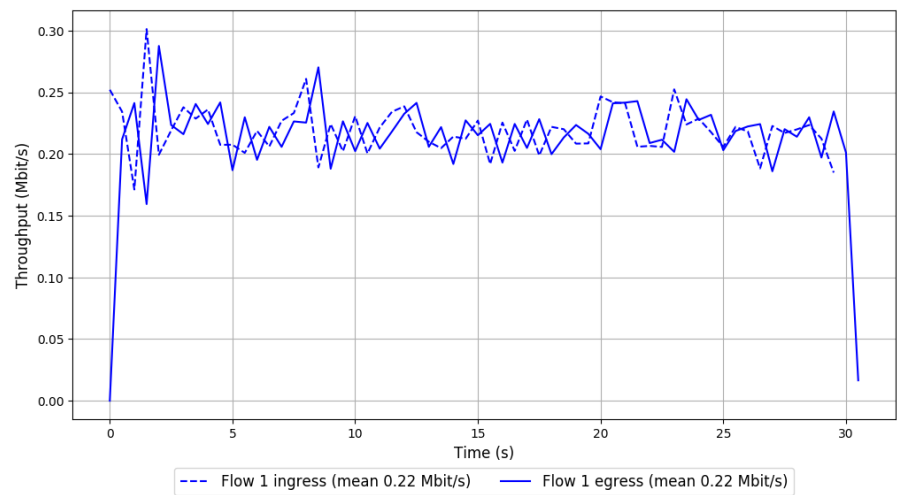
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.335 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-07-03 10:58:08

End at: 2018-07-03 10:58:38

Local clock offset: 0.141 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-07-03 14:27:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.684 ms

Loss rate: 0.00%

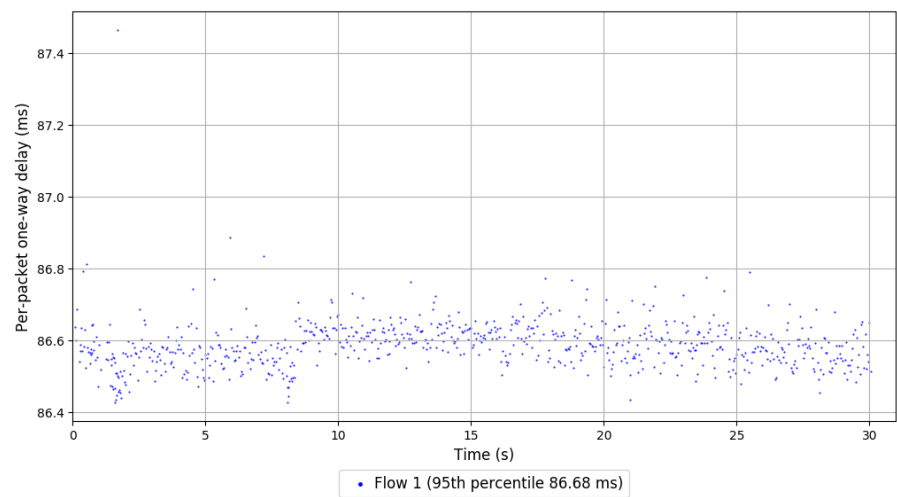
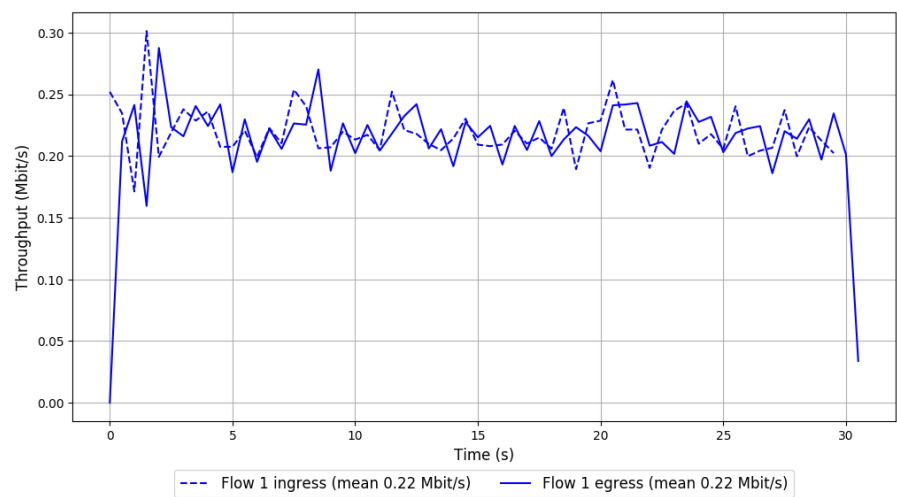
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.684 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

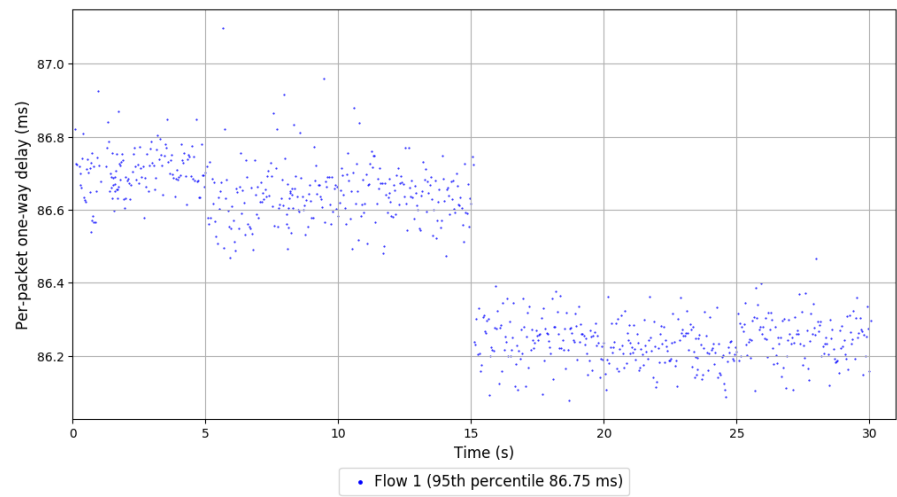
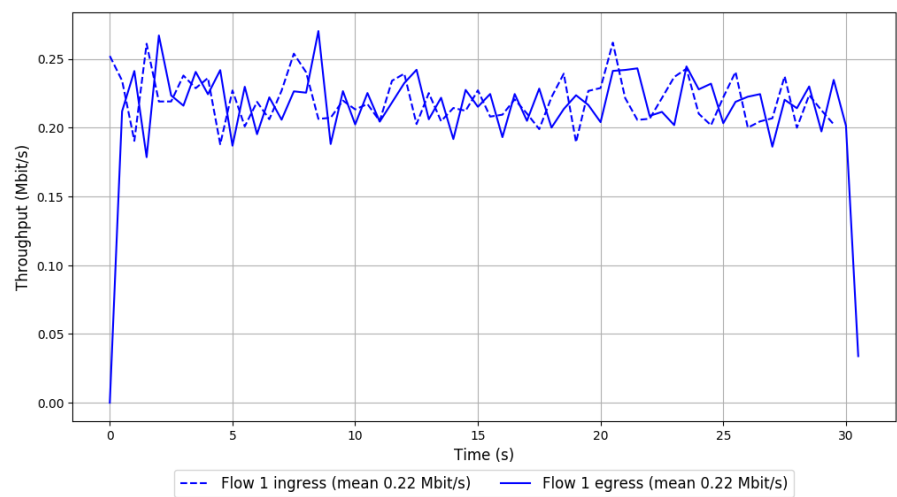


Run 6: Statistics of SCReAM

Start at: 2018-07-03 11:20:31
End at: 2018-07-03 11:21:01
Local clock offset: 0.047 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-07-03 14:27:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.755 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.755 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

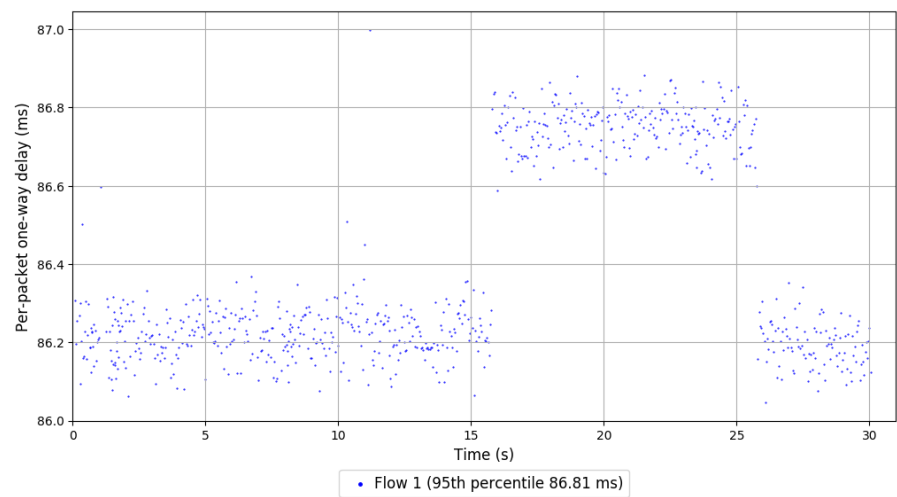
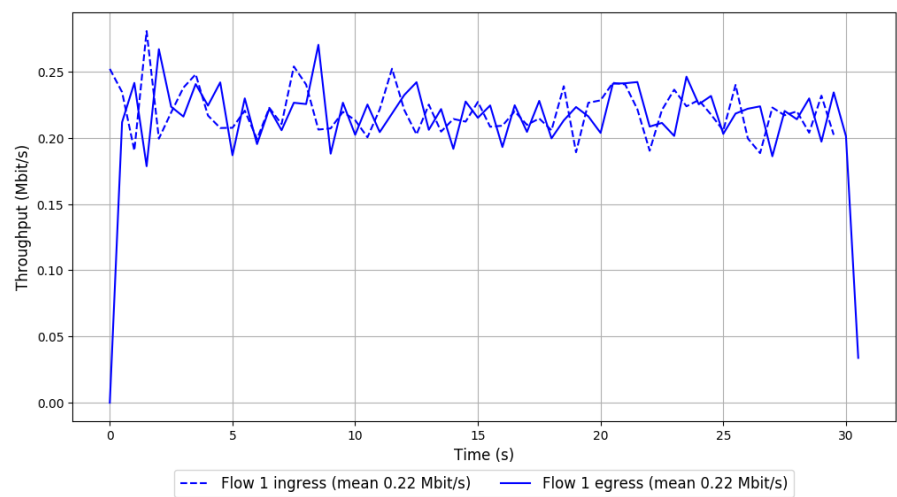


Run 7: Statistics of SCReAM

Start at: 2018-07-03 11:42:50
End at: 2018-07-03 11:43:20
Local clock offset: 0.03 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-03 14:27:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.808 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.808 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

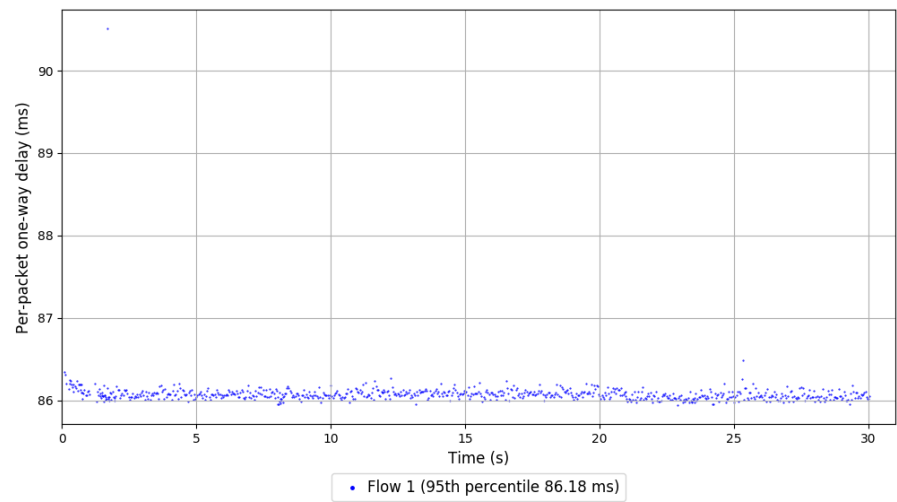
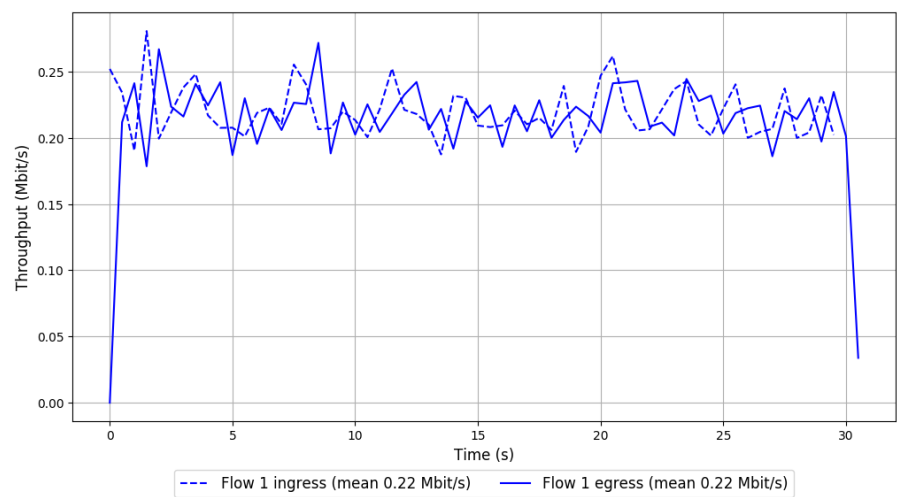


Run 8: Statistics of SCReAM

Start at: 2018-07-03 12:05:15
End at: 2018-07-03 12:05:45
Local clock offset: 0.027 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-07-03 14:27:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.179 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.179 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-07-03 12:27:41

End at: 2018-07-03 12:28:11

Local clock offset: -0.06 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-07-03 14:27:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.402 ms

Loss rate: 0.00%

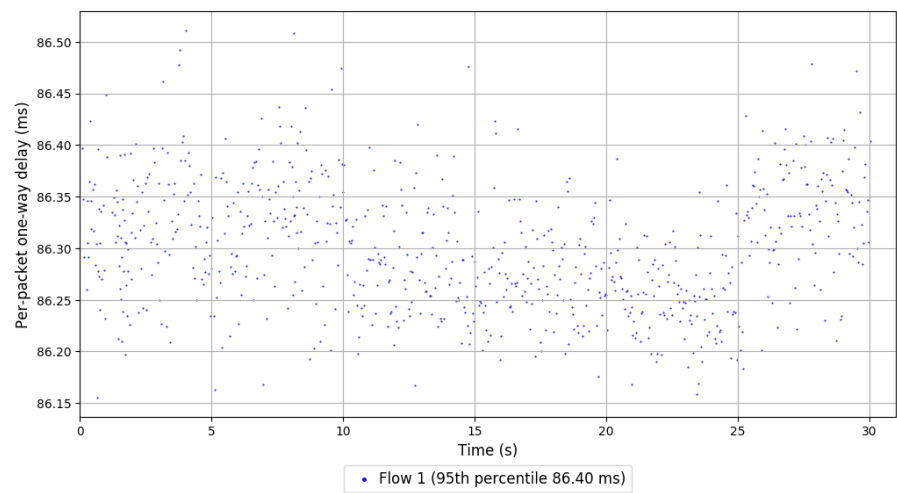
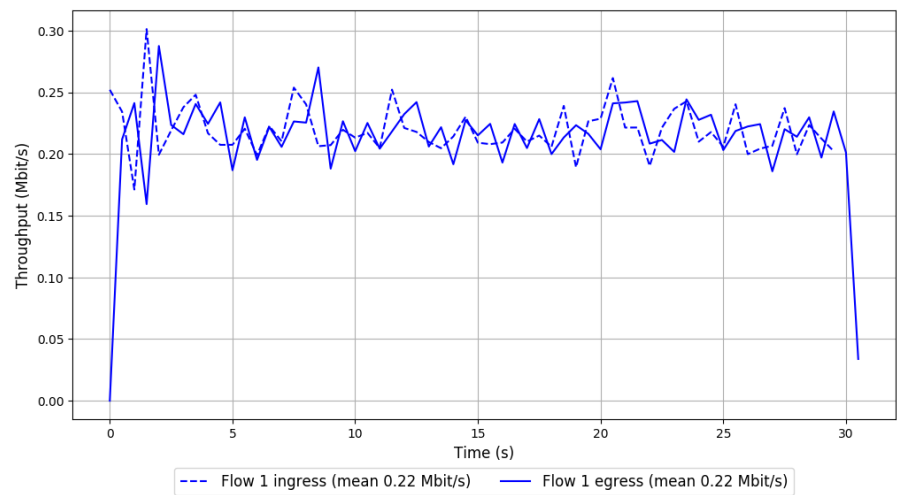
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.402 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

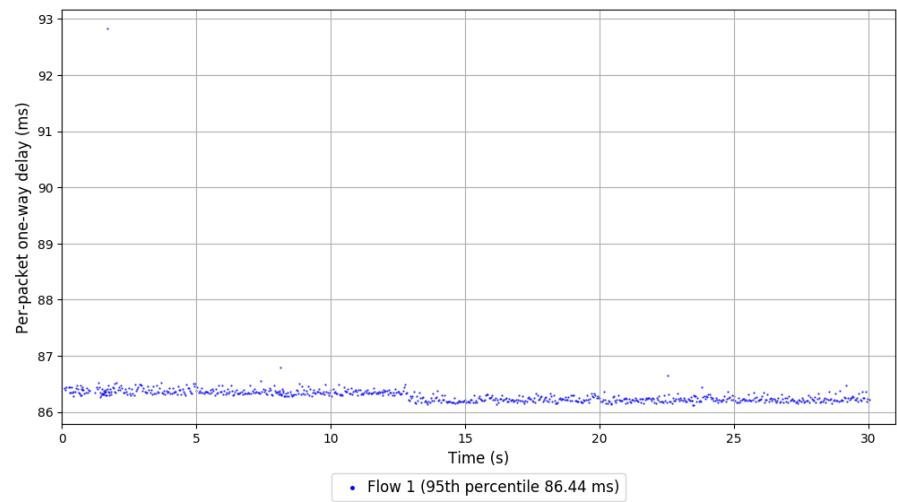
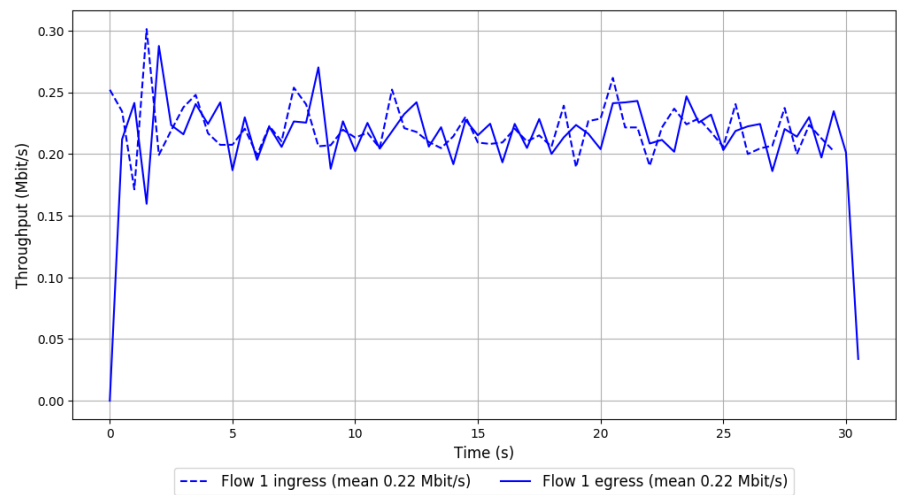


Run 10: Statistics of SReAM

Start at: 2018-07-03 12:50:03
End at: 2018-07-03 12:50:33
Local clock offset: -0.095 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-03 14:27:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.445 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.445 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

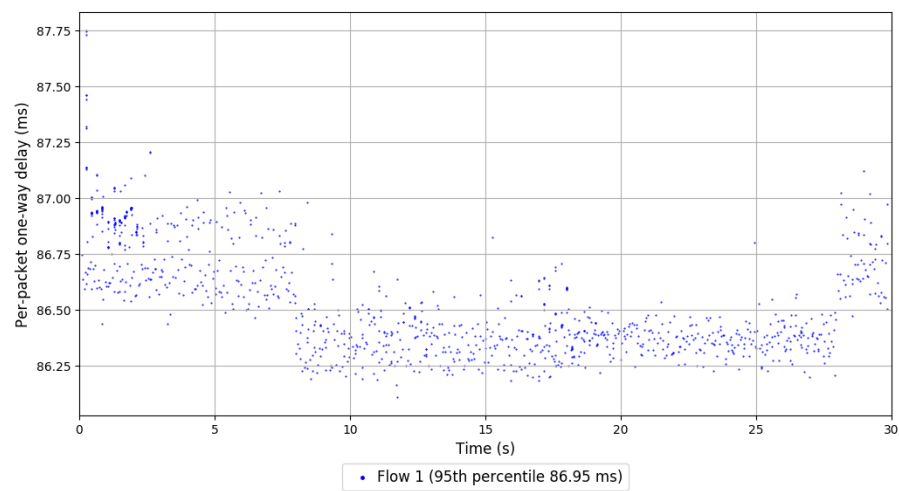
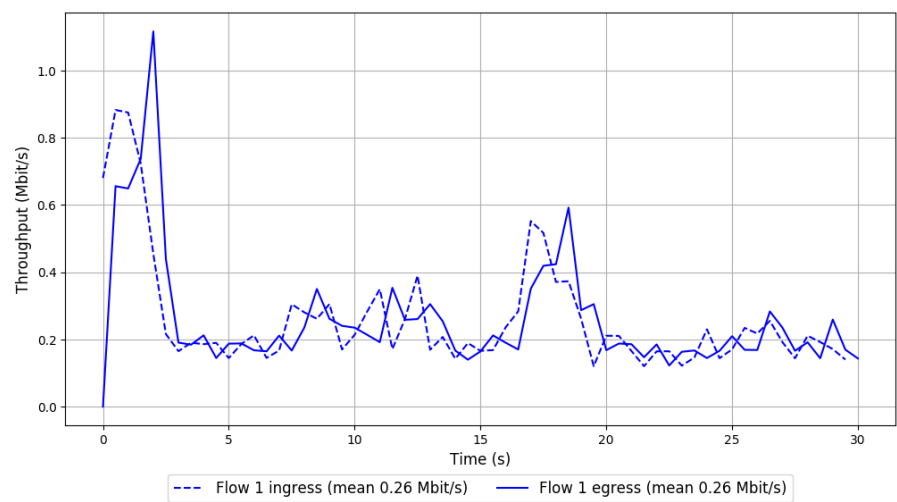


Run 1: Statistics of Sprout

Start at: 2018-07-03 09:20:38
End at: 2018-07-03 09:21:08
Local clock offset: -0.078 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-03 14:27:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.950 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.950 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-07-03 09:42:53

End at: 2018-07-03 09:43:23

Local clock offset: 0.252 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-07-03 14:27:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 86.739 ms

Loss rate: 0.00%

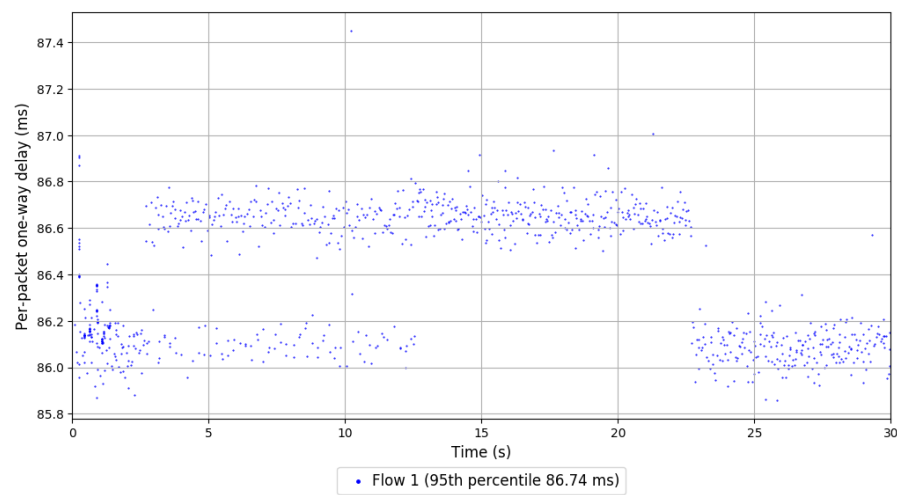
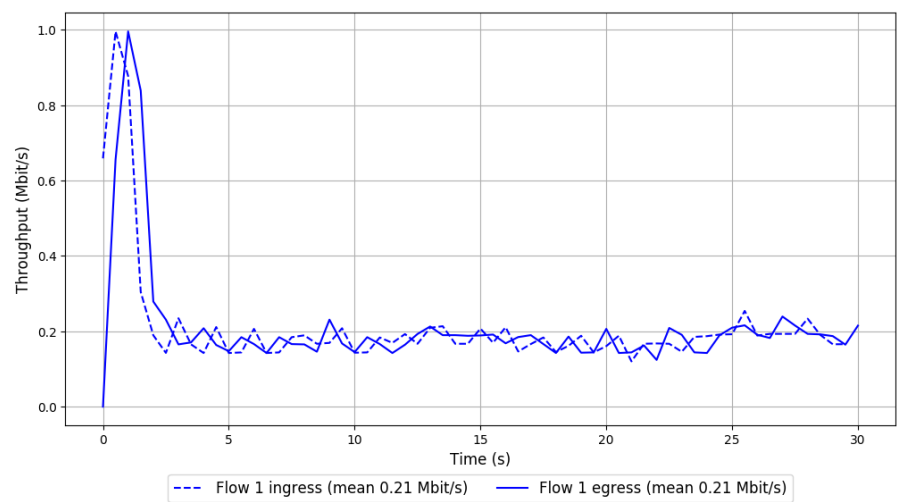
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 86.739 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

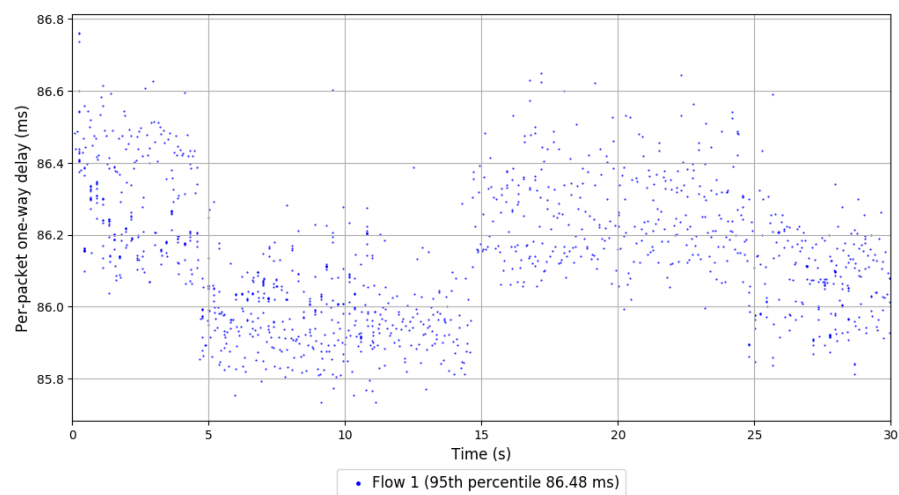
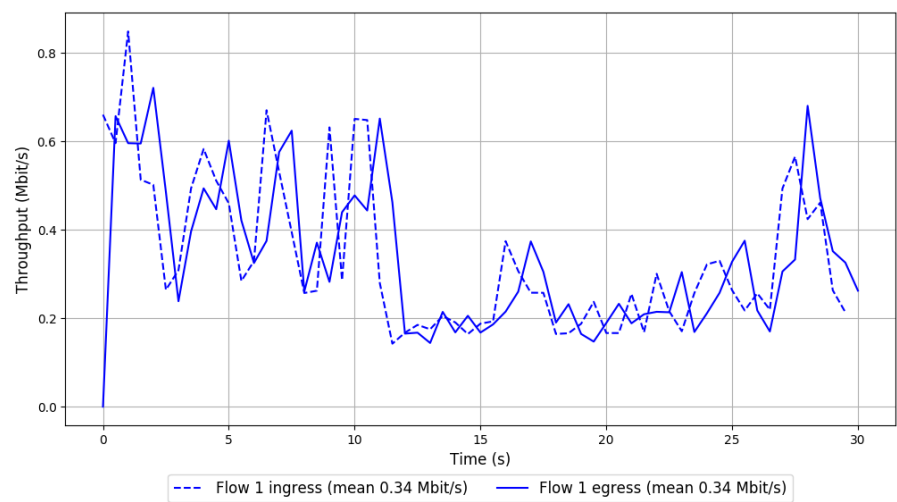


Run 3: Statistics of Sprout

Start at: 2018-07-03 10:05:21
End at: 2018-07-03 10:05:51
Local clock offset: 0.264 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-03 14:27:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 86.476 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 86.476 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

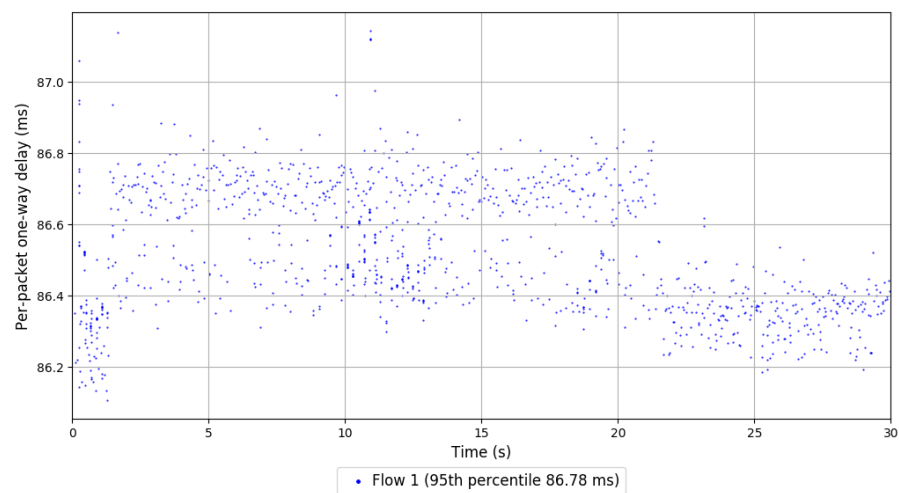
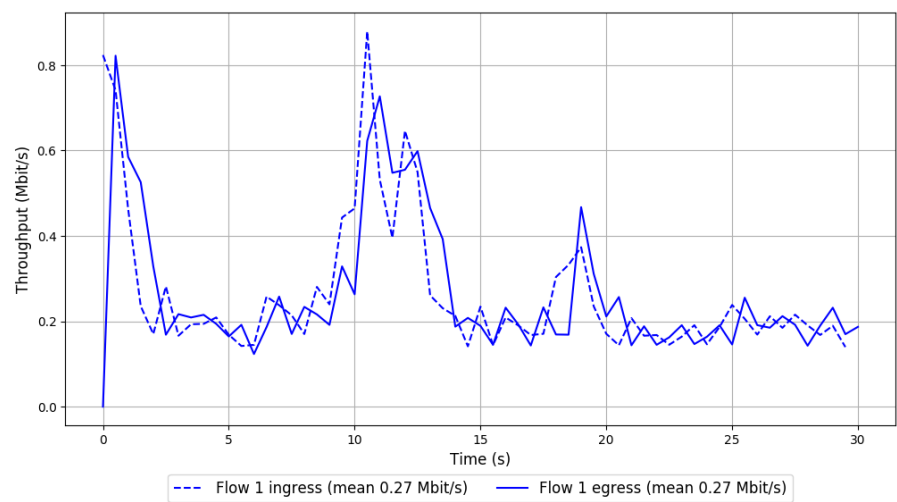


Run 4: Statistics of Sprout

Start at: 2018-07-03 10:27:55
End at: 2018-07-03 10:28:25
Local clock offset: -0.025 ms
Remote clock offset: 0.068 ms

Below is generated by plot.py at 2018-07-03 14:27:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.781 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.781 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-07-03 10:50:13

End at: 2018-07-03 10:50:43

Local clock offset: 0.014 ms

Remote clock offset: 0.097 ms

Below is generated by plot.py at 2018-07-03 14:27:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 86.476 ms

Loss rate: 0.00%

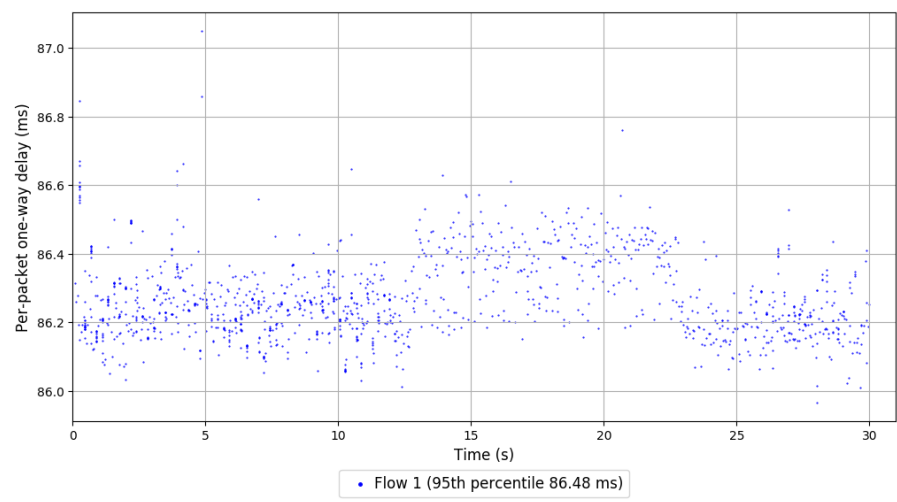
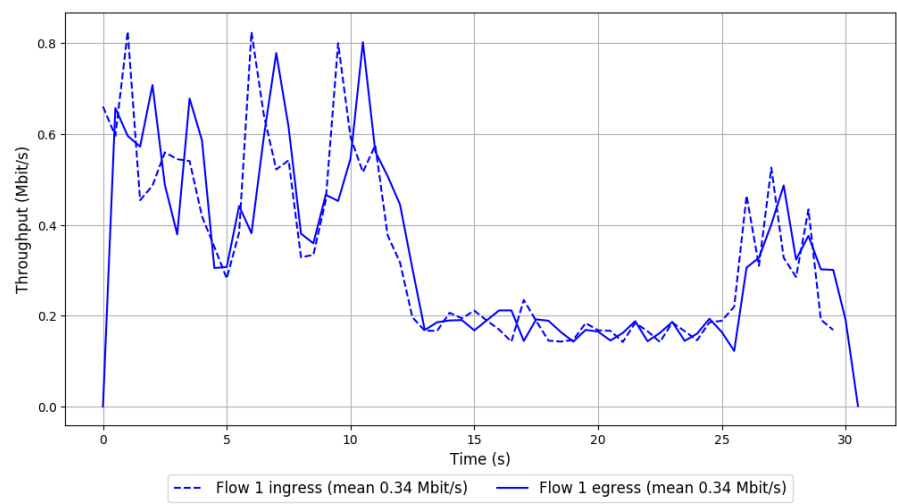
-- Flow 1:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 86.476 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

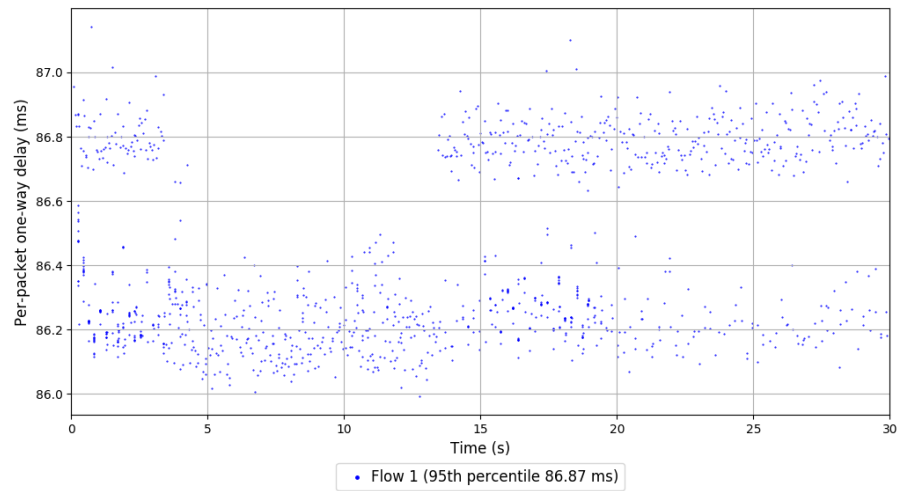
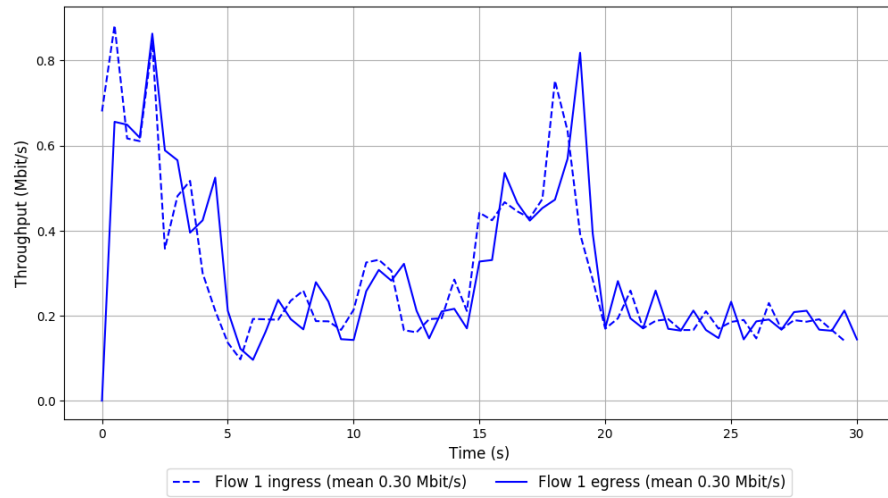


Run 6: Statistics of Sprout

Start at: 2018-07-03 11:12:33
End at: 2018-07-03 11:13:03
Local clock offset: 0.046 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-07-03 14:27:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 86.868 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 86.868 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

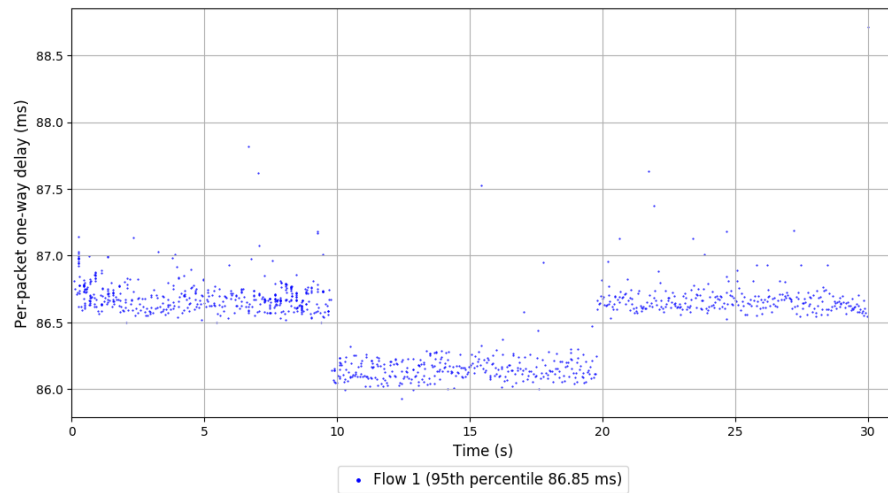
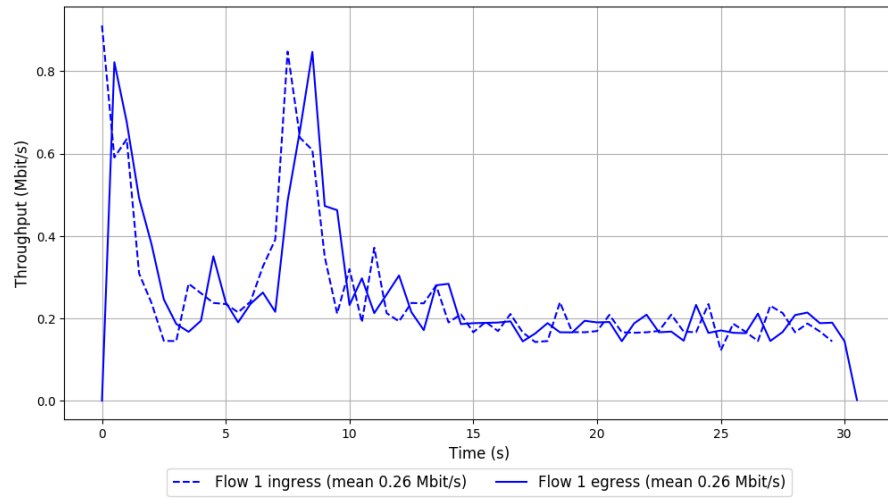


Run 7: Statistics of Sprout

Start at: 2018-07-03 11:34:56
End at: 2018-07-03 11:35:26
Local clock offset: 0.007 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-07-03 14:27:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.849 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.849 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

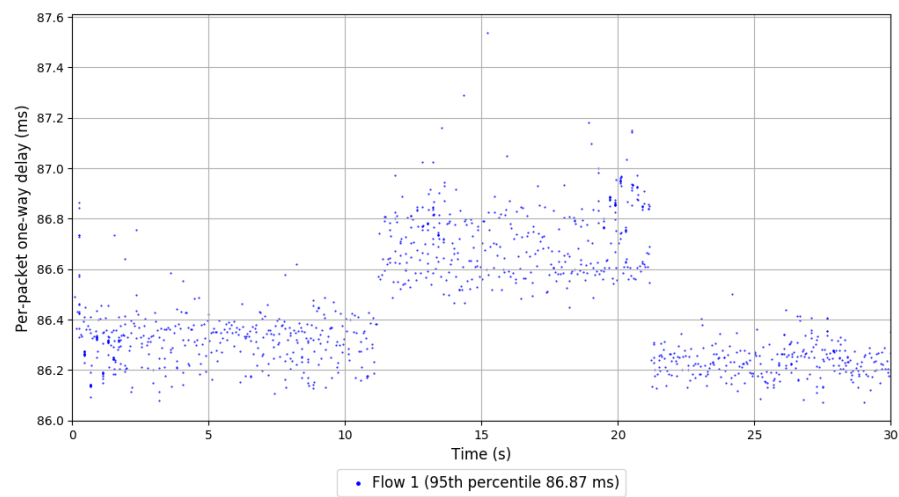
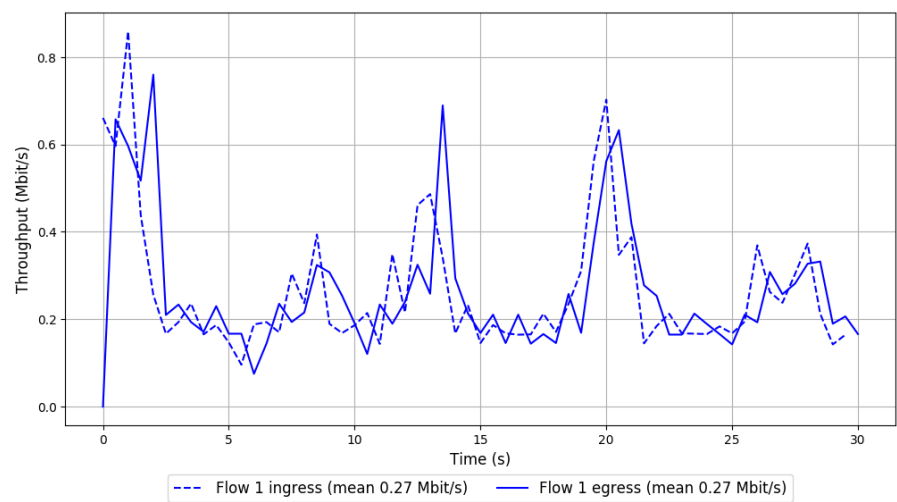


Run 8: Statistics of Sprout

Start at: 2018-07-03 11:57:15
End at: 2018-07-03 11:57:45
Local clock offset: -0.103 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-07-03 14:27:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.873 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.873 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

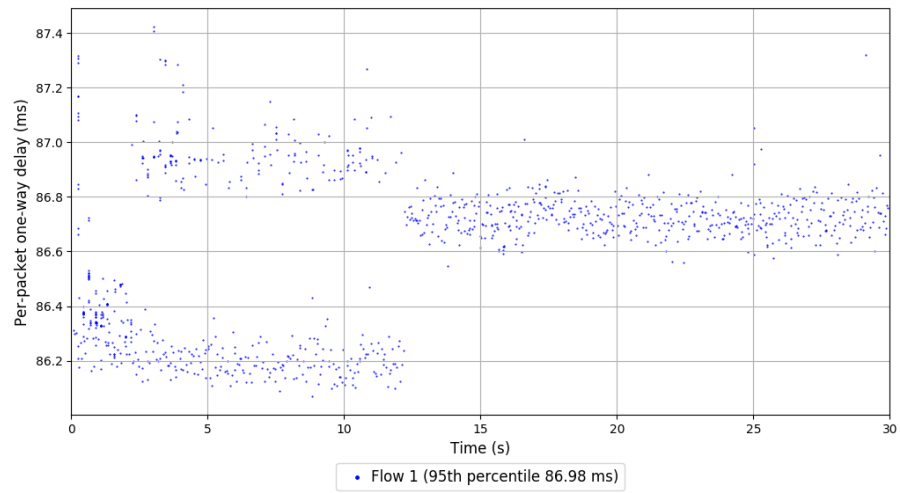
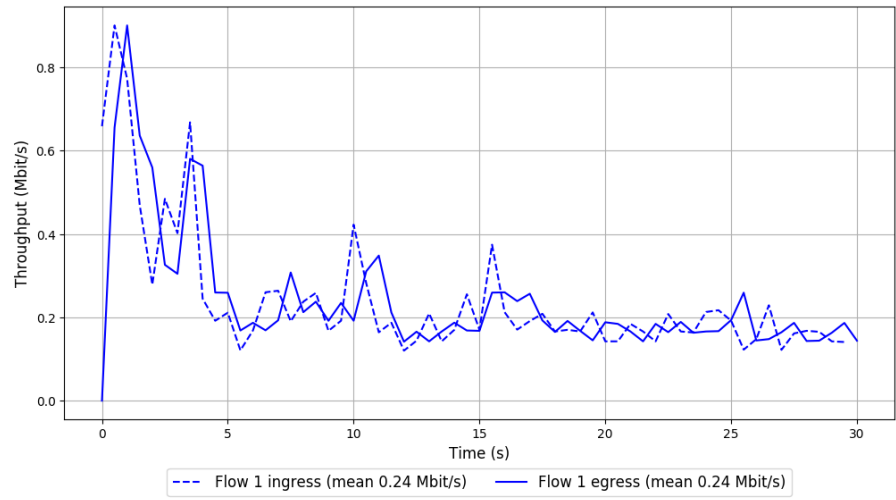


Run 9: Statistics of Sprout

Start at: 2018-07-03 12:19:44
End at: 2018-07-03 12:20:14
Local clock offset: -0.168 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-07-03 14:27:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.984 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.984 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-03 12:42:03

End at: 2018-07-03 12:42:33

Local clock offset: -0.055 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at 2018-07-03 14:27:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 86.781 ms

Loss rate: 0.00%

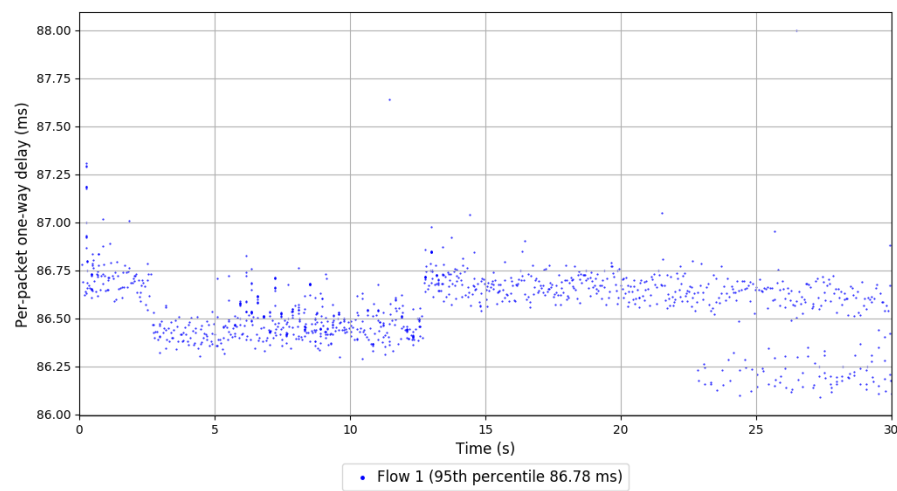
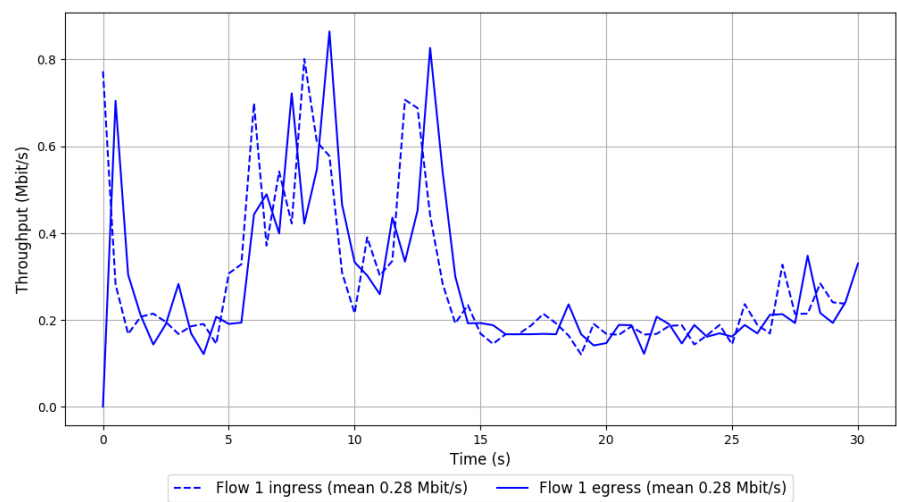
-- Flow 1:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 86.781 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

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

End at: 2018-07-03 09:27:37

Local clock offset: 0.241 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-07-03 14:30:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.49 Mbit/s

95th percentile per-packet one-way delay: 90.150 ms

Loss rate: 0.00%

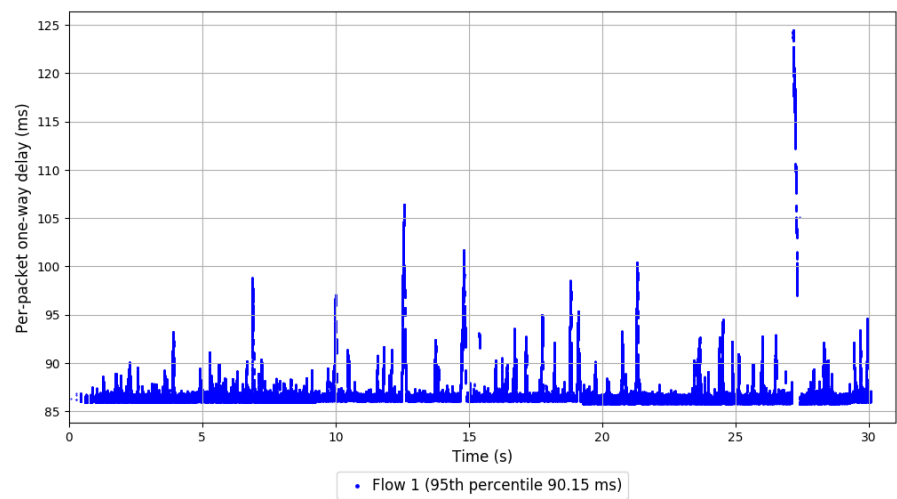
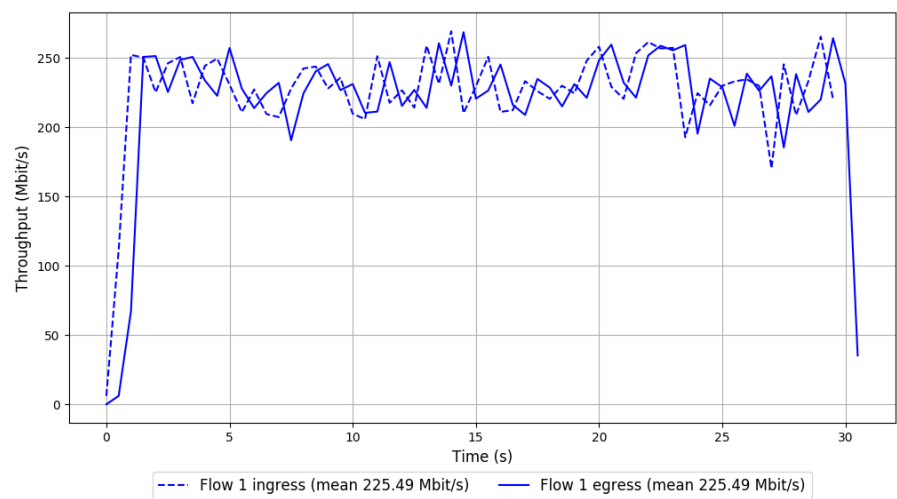
-- Flow 1:

Average throughput: 225.49 Mbit/s

95th percentile per-packet one-way delay: 90.150 ms

Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-03 09:49:24

End at: 2018-07-03 09:49:54

Local clock offset: 0.261 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-07-03 14:30:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.53 Mbit/s

95th percentile per-packet one-way delay: 87.990 ms

Loss rate: 0.00%

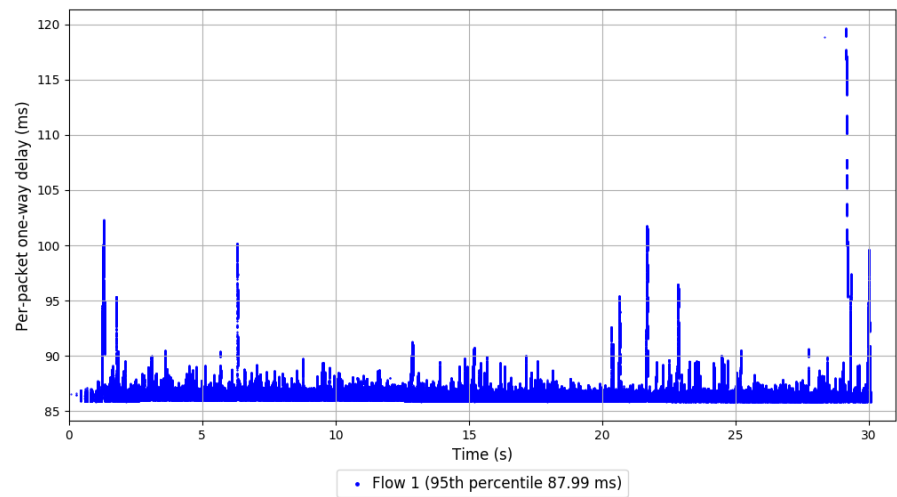
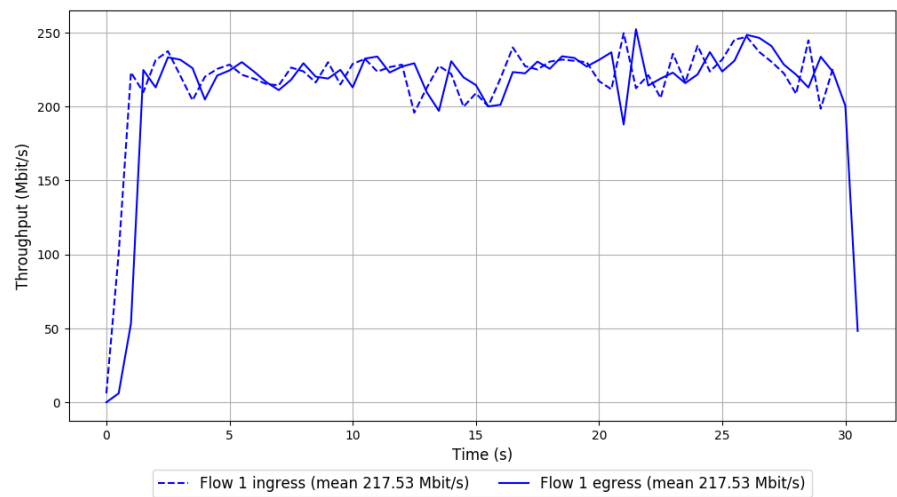
-- Flow 1:

Average throughput: 217.53 Mbit/s

95th percentile per-packet one-way delay: 87.990 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-03 10:11:52

End at: 2018-07-03 10:12:22

Local clock offset: 0.08 ms

Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-03 14:30:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.16 Mbit/s

95th percentile per-packet one-way delay: 87.627 ms

Loss rate: 0.00%

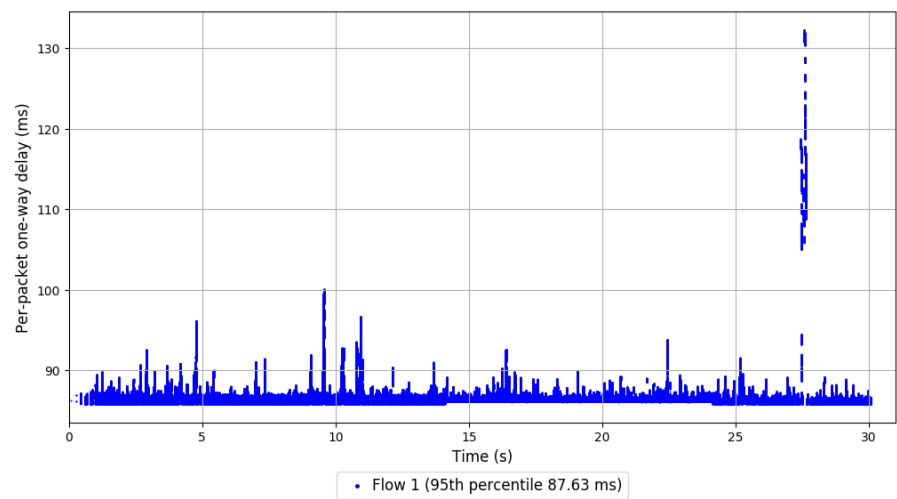
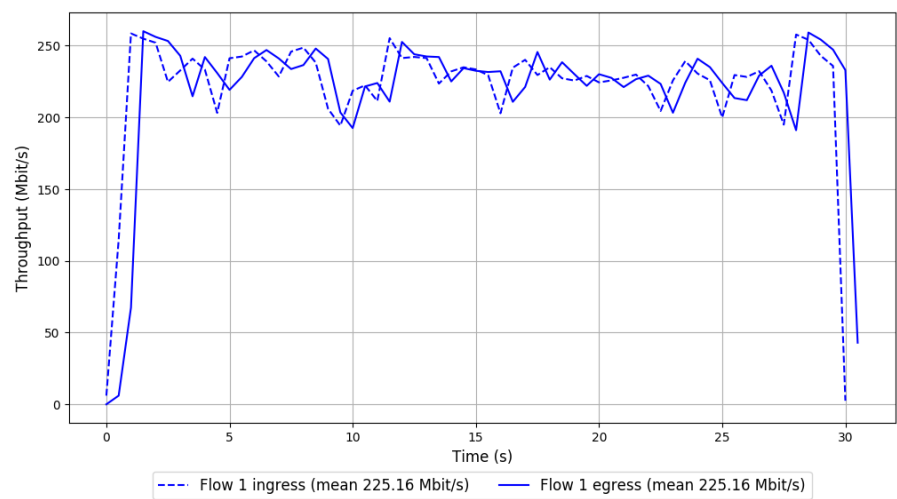
-- Flow 1:

Average throughput: 225.16 Mbit/s

95th percentile per-packet one-way delay: 87.627 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-03 10:34:28

End at: 2018-07-03 10:34:58

Local clock offset: 0.069 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2018-07-03 14:30:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.28 Mbit/s

95th percentile per-packet one-way delay: 87.781 ms

Loss rate: 0.00%

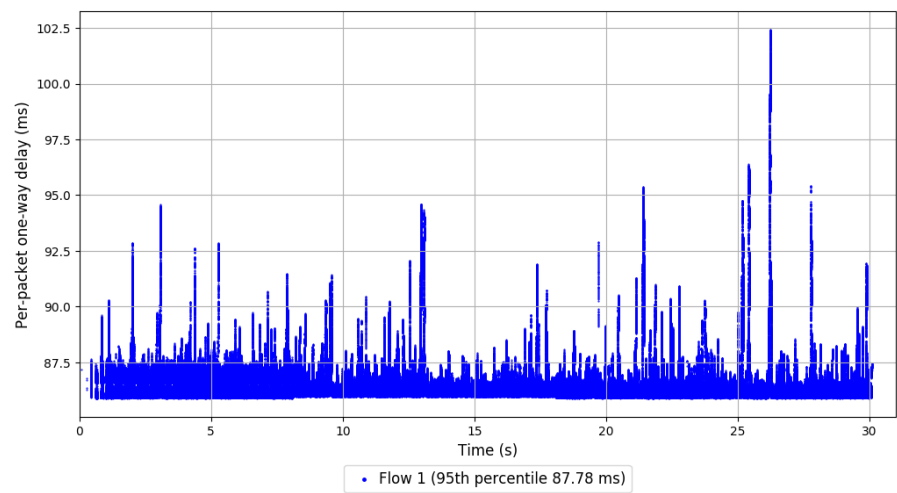
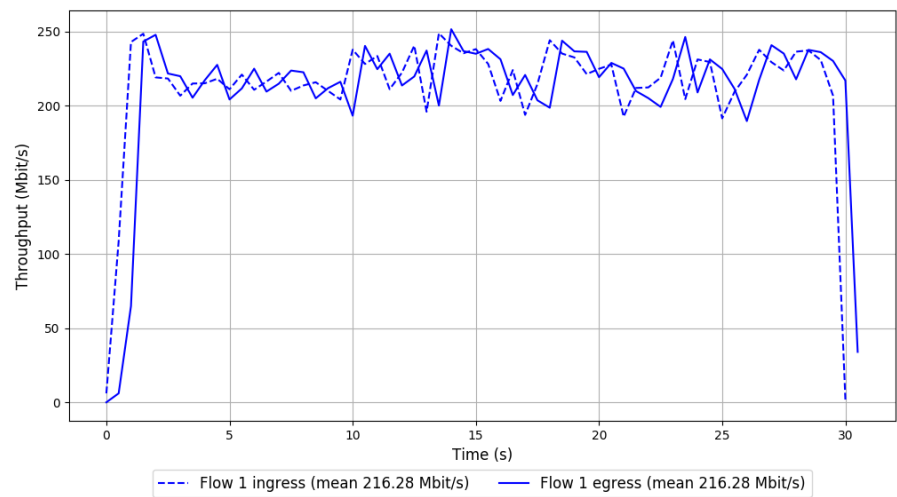
-- Flow 1:

Average throughput: 216.28 Mbit/s

95th percentile per-packet one-way delay: 87.781 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-03 10:56:41

End at: 2018-07-03 10:57:11

Local clock offset: 0.212 ms

Remote clock offset: 0.069 ms

Below is generated by plot.py at 2018-07-03 14:30:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.05 Mbit/s

95th percentile per-packet one-way delay: 87.173 ms

Loss rate: 0.00%

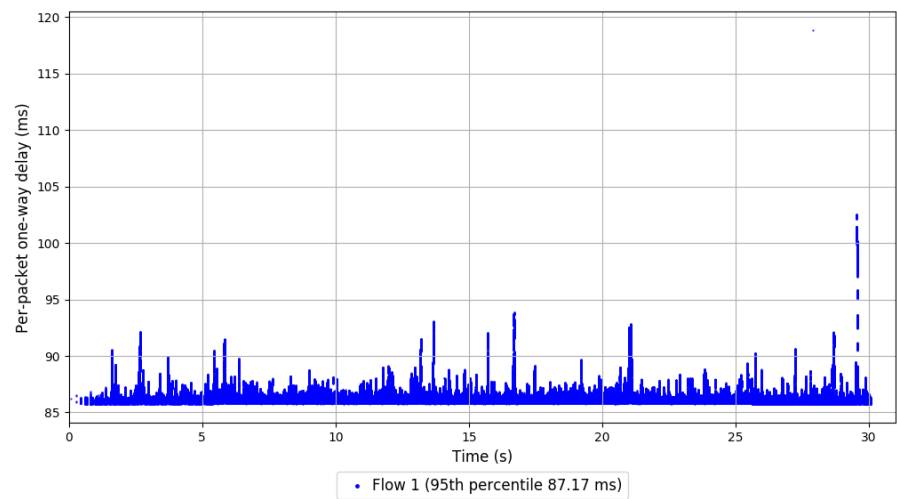
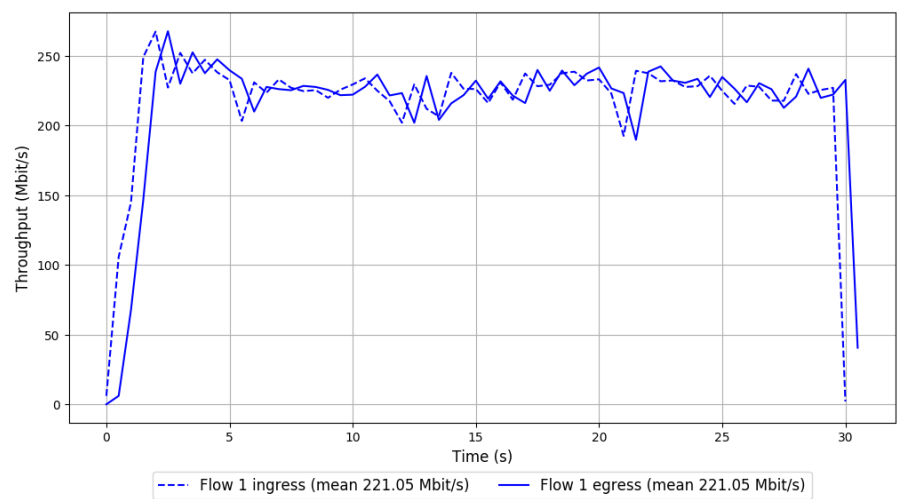
-- Flow 1:

Average throughput: 221.05 Mbit/s

95th percentile per-packet one-way delay: 87.173 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-03 11:19:06

End at: 2018-07-03 11:19:36

Local clock offset: 0.129 ms

Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-03 14:31:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 201.61 Mbit/s

95th percentile per-packet one-way delay: 89.090 ms

Loss rate: 0.00%

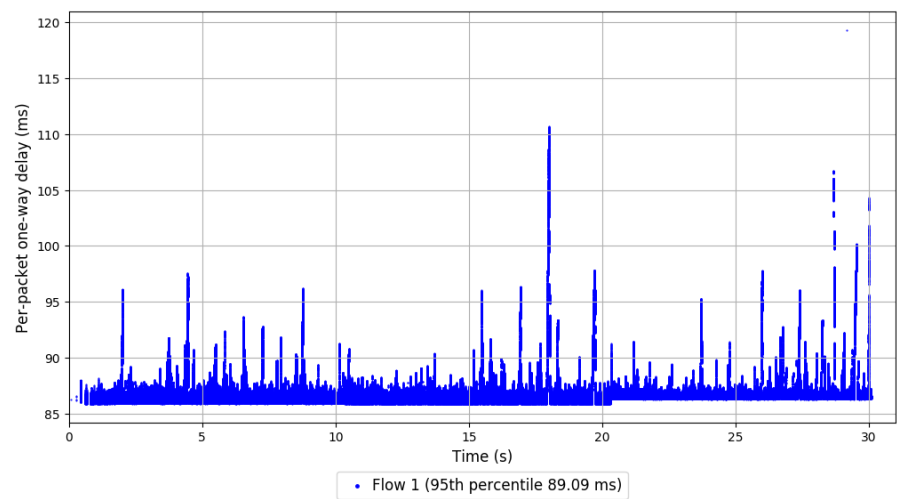
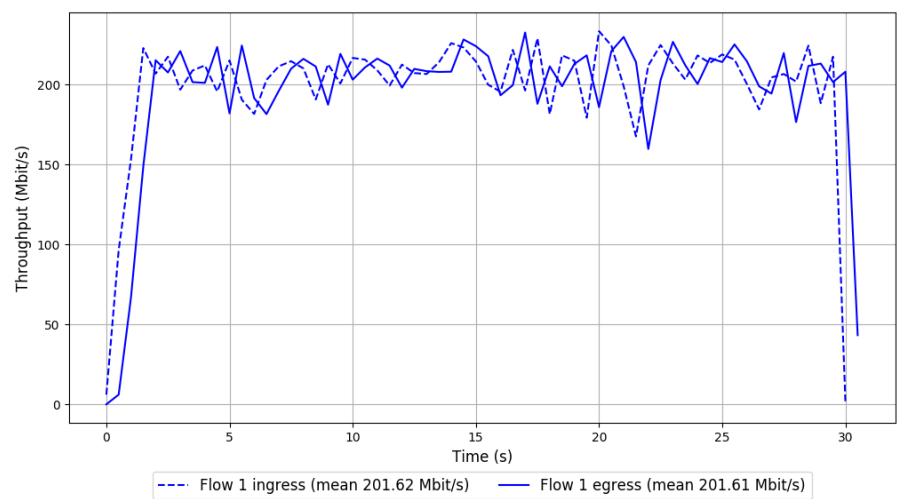
-- Flow 1:

Average throughput: 201.61 Mbit/s

95th percentile per-packet one-way delay: 89.090 ms

Loss rate: 0.00%

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

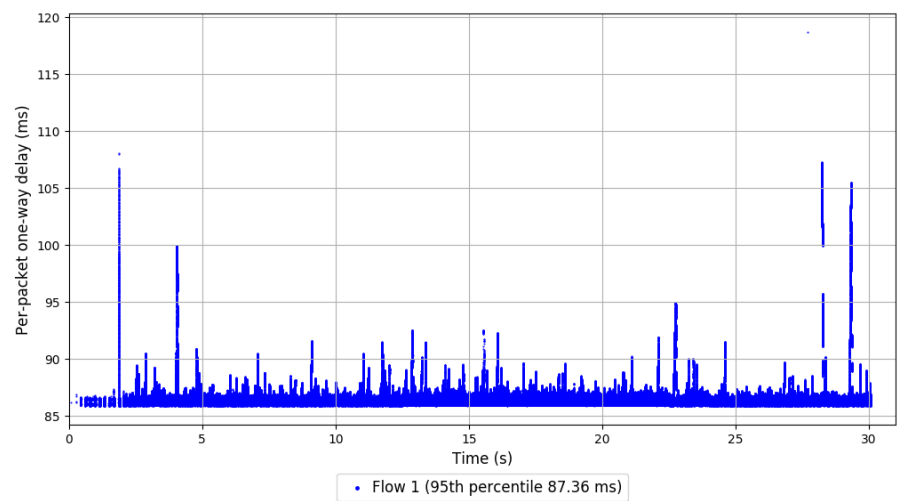
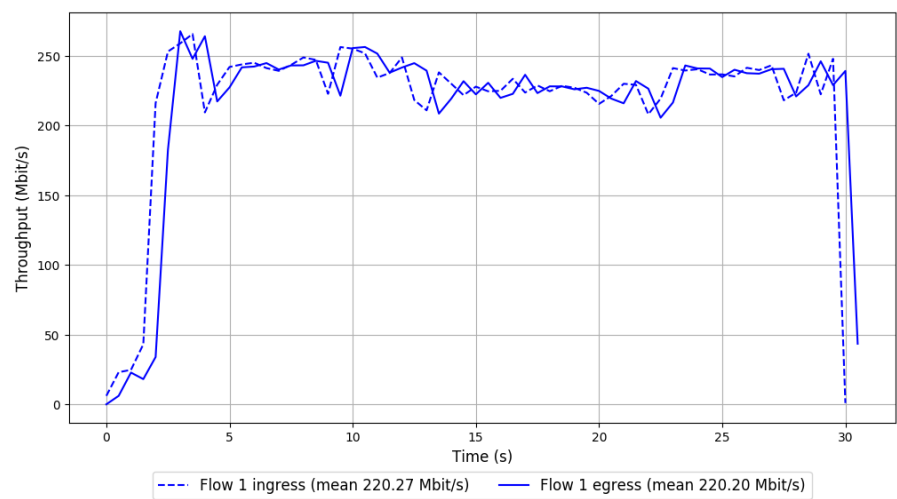


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-03 11:41:24
End at: 2018-07-03 11:41:54
Local clock offset: -0.025 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-07-03 14:34:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 220.20 Mbit/s
95th percentile per-packet one-way delay: 87.357 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 220.20 Mbit/s
95th percentile per-packet one-way delay: 87.357 ms
Loss rate: 0.03%

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

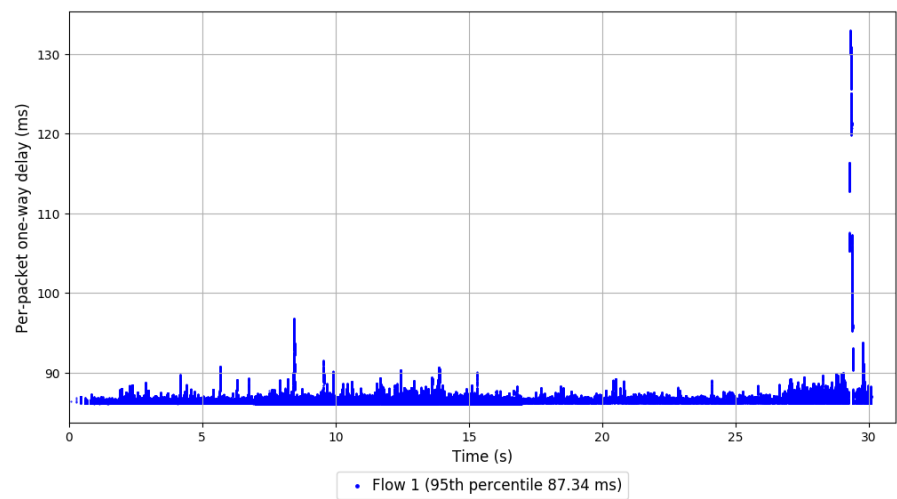
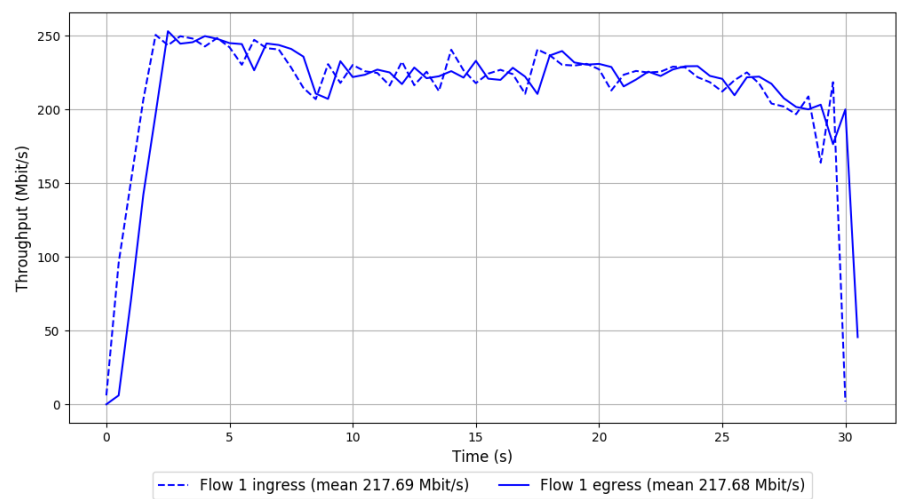


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-03 12:03:49
End at: 2018-07-03 12:04:19
Local clock offset: -0.231 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-07-03 14:35:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.68 Mbit/s
95th percentile per-packet one-way delay: 87.338 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 217.68 Mbit/s
95th percentile per-packet one-way delay: 87.338 ms
Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-03 12:26:14

End at: 2018-07-03 12:26:44

Local clock offset: -0.019 ms

Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-03 14:38:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.19 Mbit/s

95th percentile per-packet one-way delay: 87.426 ms

Loss rate: 0.03%

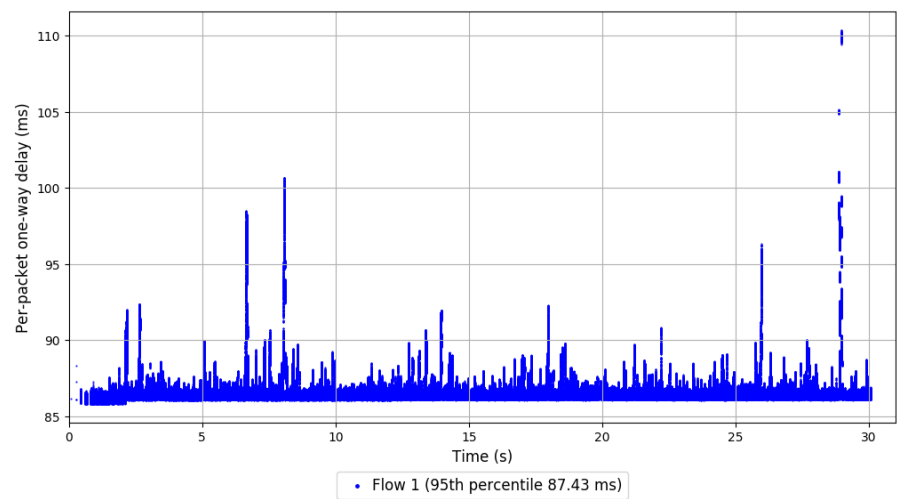
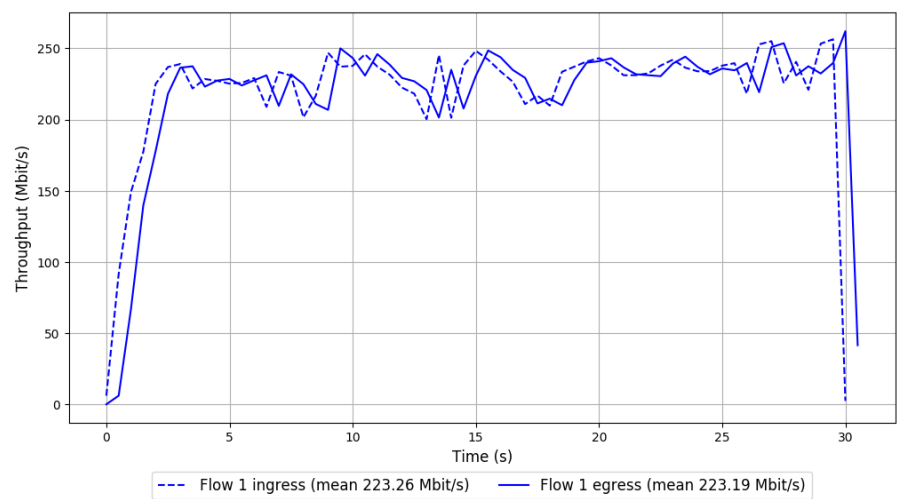
-- Flow 1:

Average throughput: 223.19 Mbit/s

95th percentile per-packet one-way delay: 87.426 ms

Loss rate: 0.03%

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

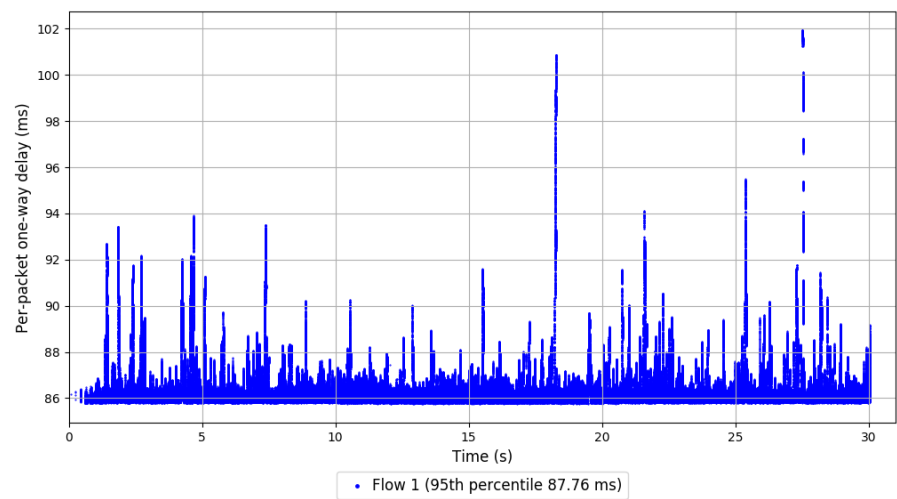
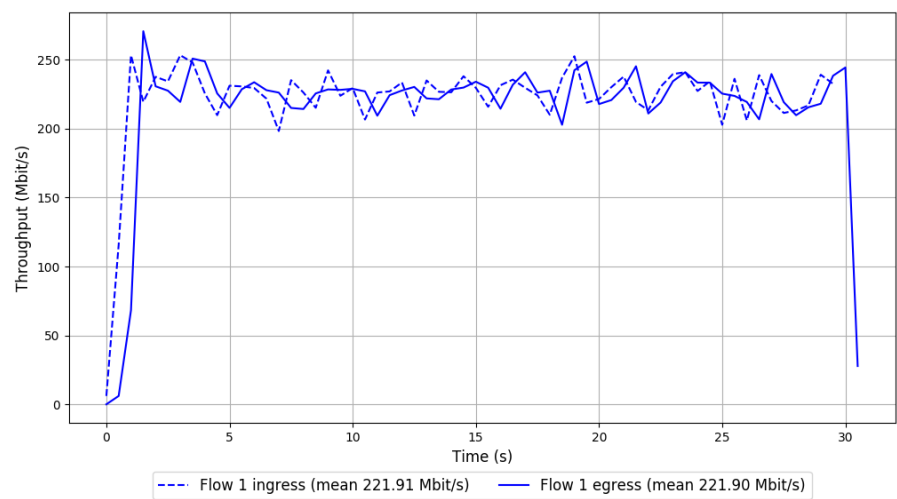


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-07-03 12:48:36
End at: 2018-07-03 12:49:06
Local clock offset: 0.12 ms
Remote clock offset: 0.047 ms

# Below is generated by plot.py at 2018-07-03 14:38:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 221.90 Mbit/s
95th percentile per-packet one-way delay: 87.757 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 221.90 Mbit/s
95th percentile per-packet one-way delay: 87.757 ms
Loss rate: 0.00%
```

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

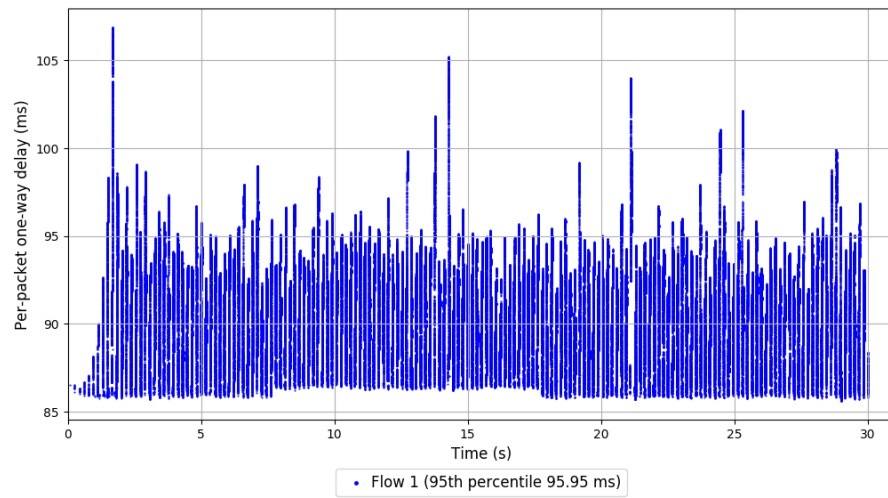
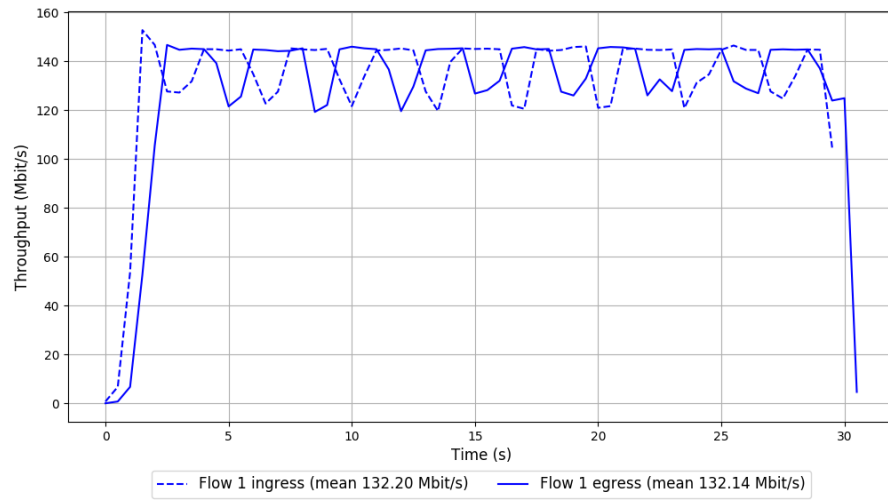


Run 1: Statistics of TCP Vegas

Start at: 2018-07-03 09:17:58
End at: 2018-07-03 09:18:28
Local clock offset: 0.273 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-07-03 14:38:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 132.14 Mbit/s
95th percentile per-packet one-way delay: 95.949 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 132.14 Mbit/s
95th percentile per-packet one-way delay: 95.949 ms
Loss rate: 0.05%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-03 09:40:11

End at: 2018-07-03 09:40:41

Local clock offset: 0.128 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-03 14:38:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 128.46 Mbit/s

95th percentile per-packet one-way delay: 98.034 ms

Loss rate: 0.00%

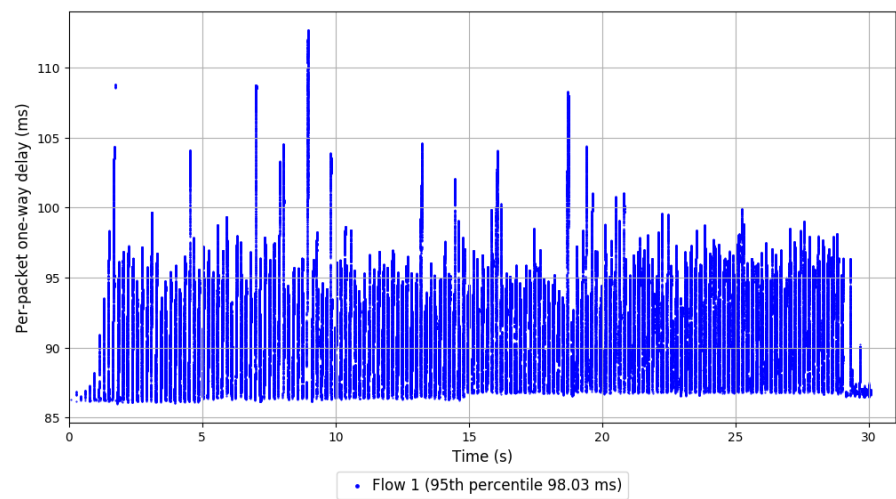
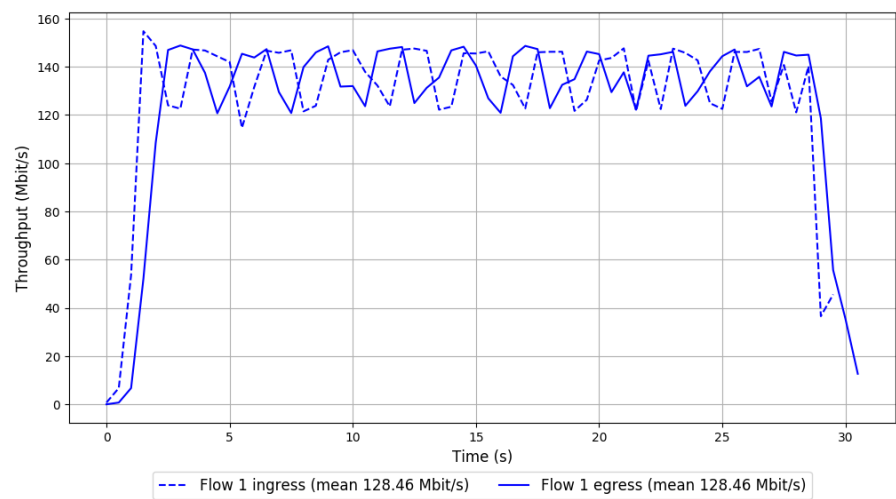
-- Flow 1:

Average throughput: 128.46 Mbit/s

95th percentile per-packet one-way delay: 98.034 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-03 10:02:40

End at: 2018-07-03 10:03:10

Local clock offset: 0.1 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-03 14:38:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.69 Mbit/s

95th percentile per-packet one-way delay: 95.211 ms

Loss rate: 0.00%

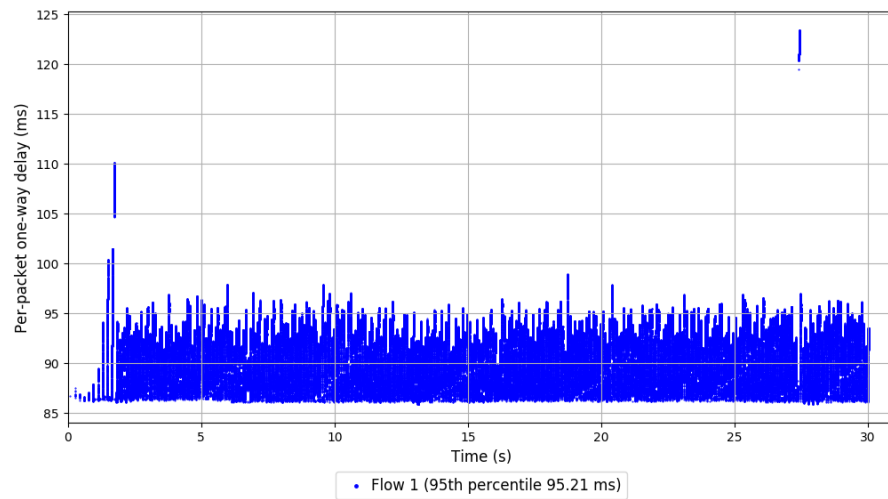
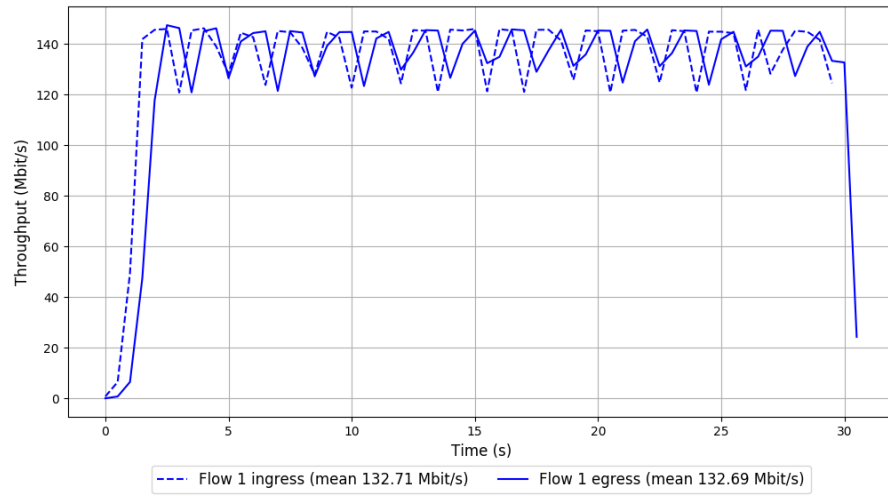
-- Flow 1:

Average throughput: 132.69 Mbit/s

95th percentile per-packet one-way delay: 95.211 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-03 10:25:15

End at: 2018-07-03 10:25:45

Local clock offset: -0.012 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-03 14:38:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.54 Mbit/s

95th percentile per-packet one-way delay: 96.915 ms

Loss rate: 0.04%

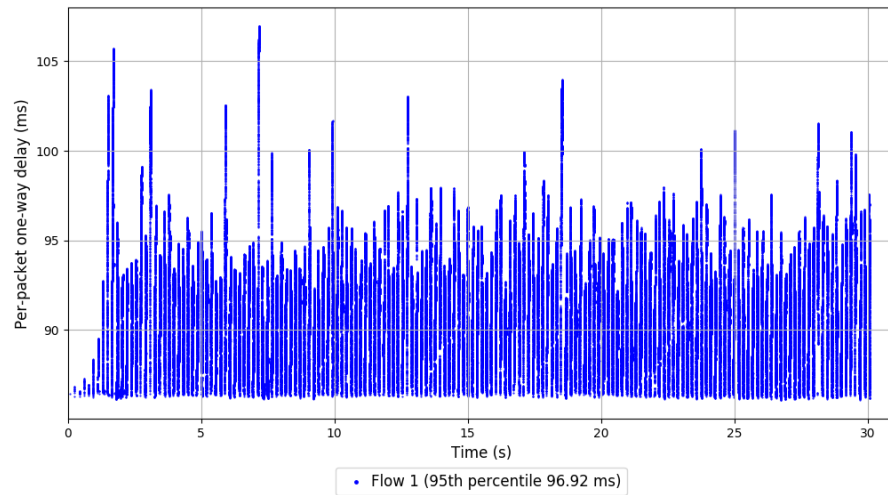
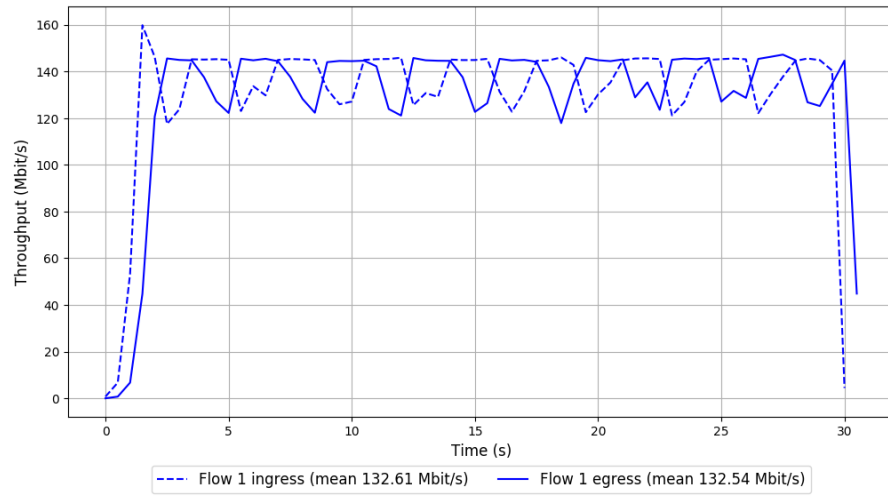
-- Flow 1:

Average throughput: 132.54 Mbit/s

95th percentile per-packet one-way delay: 96.915 ms

Loss rate: 0.04%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-03 10:47:31

End at: 2018-07-03 10:48:01

Local clock offset: 0.216 ms

Remote clock offset: 0.094 ms

Below is generated by plot.py at 2018-07-03 14:38:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 134.33 Mbit/s

95th percentile per-packet one-way delay: 96.513 ms

Loss rate: 0.00%

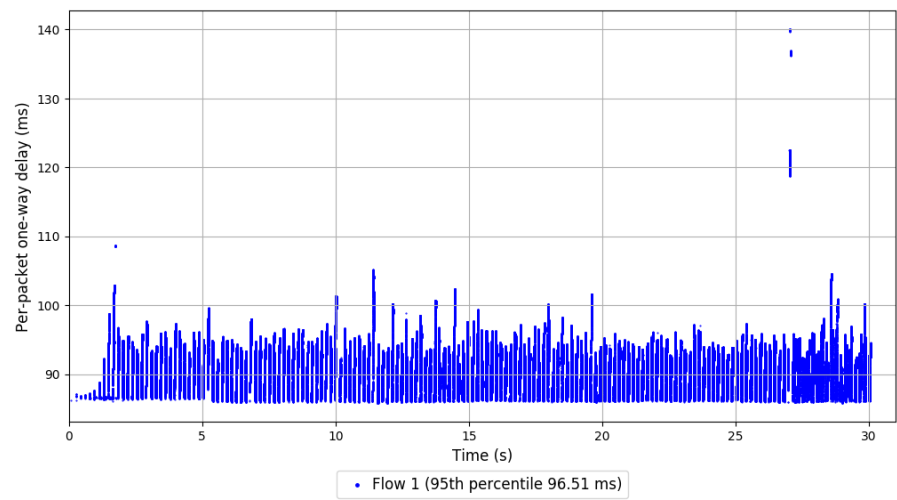
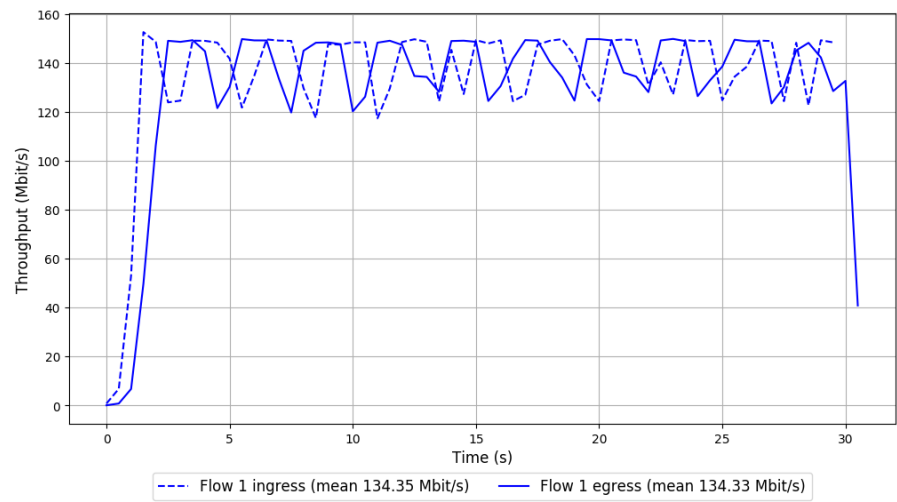
-- Flow 1:

Average throughput: 134.33 Mbit/s

95th percentile per-packet one-way delay: 96.513 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-03 11:09:55

End at: 2018-07-03 11:10:25

Local clock offset: 0.079 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-07-03 14:38:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.38 Mbit/s

95th percentile per-packet one-way delay: 94.576 ms

Loss rate: 0.00%

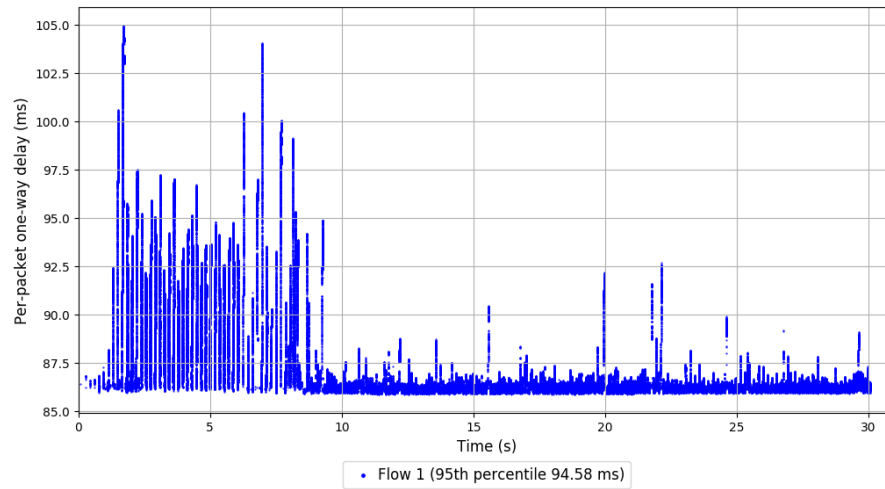
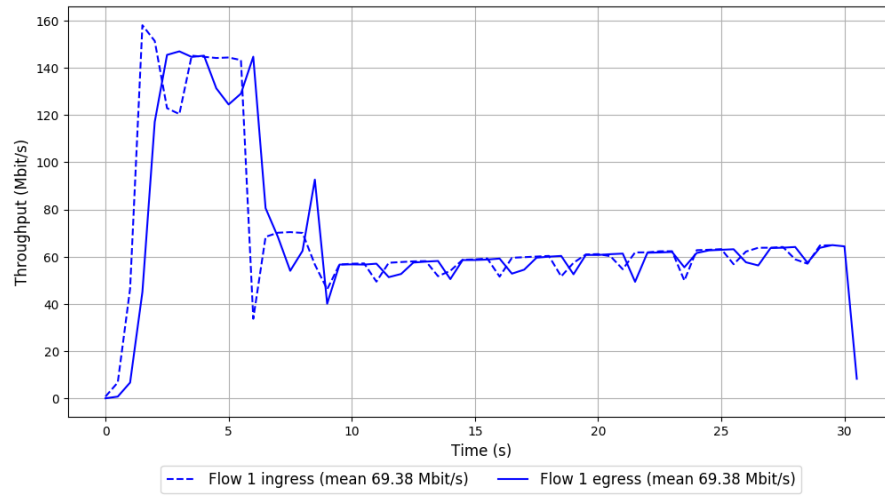
-- Flow 1:

Average throughput: 69.38 Mbit/s

95th percentile per-packet one-way delay: 94.576 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

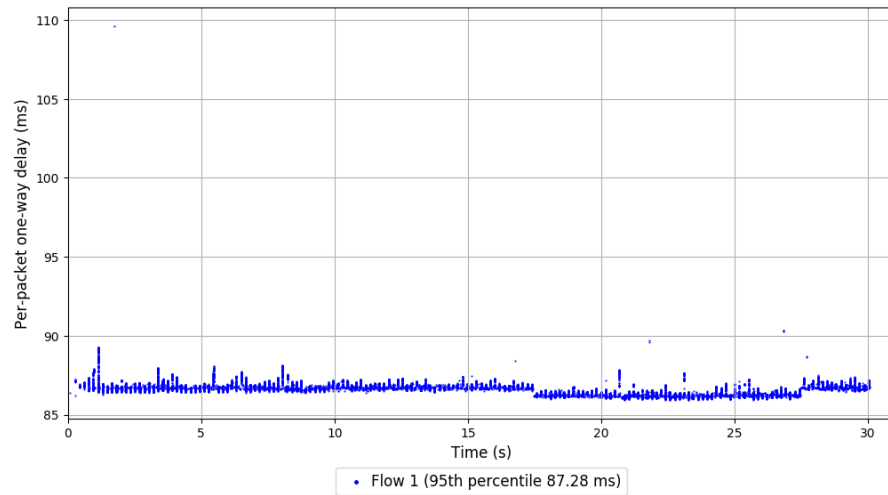
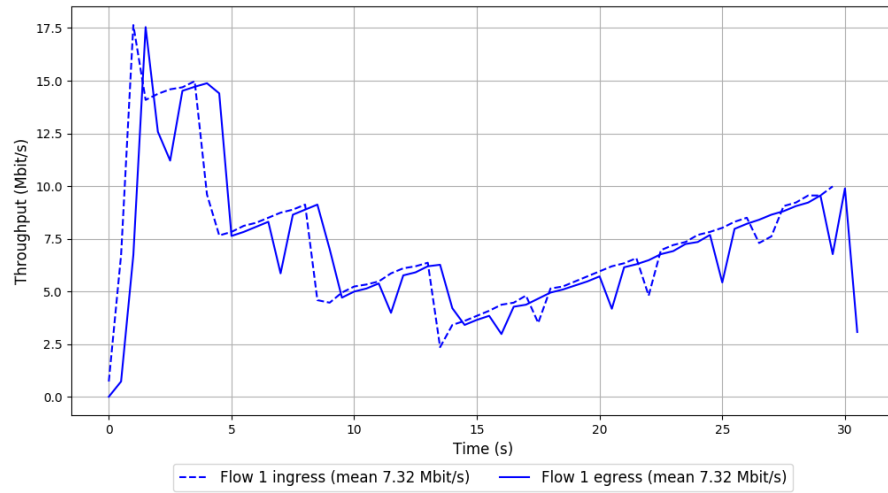


Run 7: Statistics of TCP Vegas

Start at: 2018-07-03 11:32:19
End at: 2018-07-03 11:32:49
Local clock offset: -0.027 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-07-03 14:38:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.32 Mbit/s
95th percentile per-packet one-way delay: 87.281 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 7.32 Mbit/s
95th percentile per-packet one-way delay: 87.281 ms
Loss rate: 0.02%

Run 7: Report of TCP Vegas — Data Link

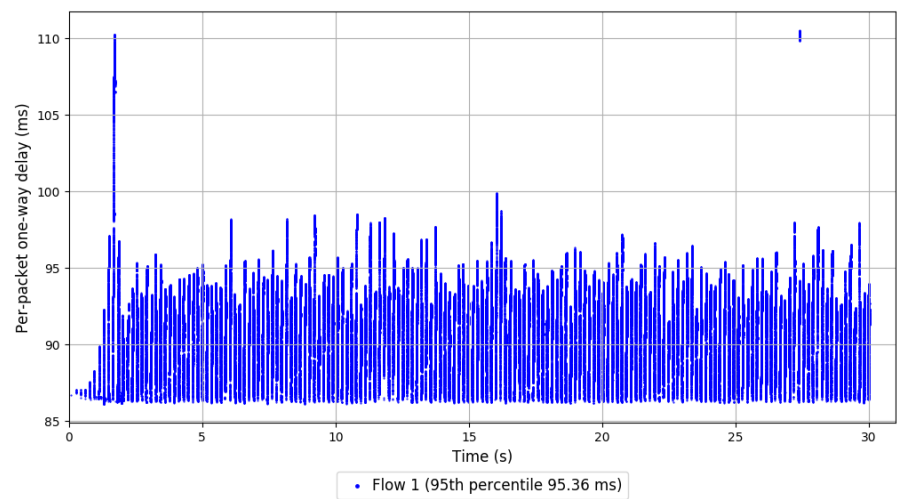
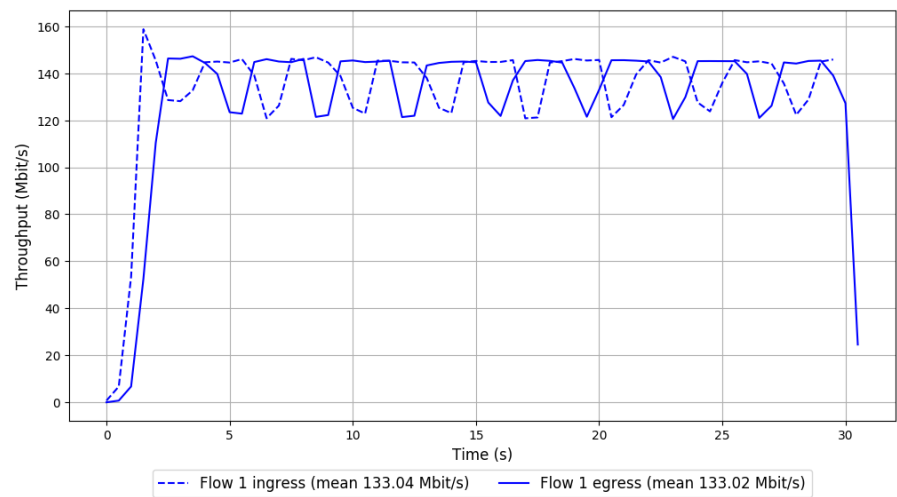


Run 8: Statistics of TCP Vegas

Start at: 2018-07-03 11:54:35
End at: 2018-07-03 11:55:05
Local clock offset: -0.236 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-07-03 14:38:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 133.02 Mbit/s
95th percentile per-packet one-way delay: 95.365 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 133.02 Mbit/s
95th percentile per-packet one-way delay: 95.365 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

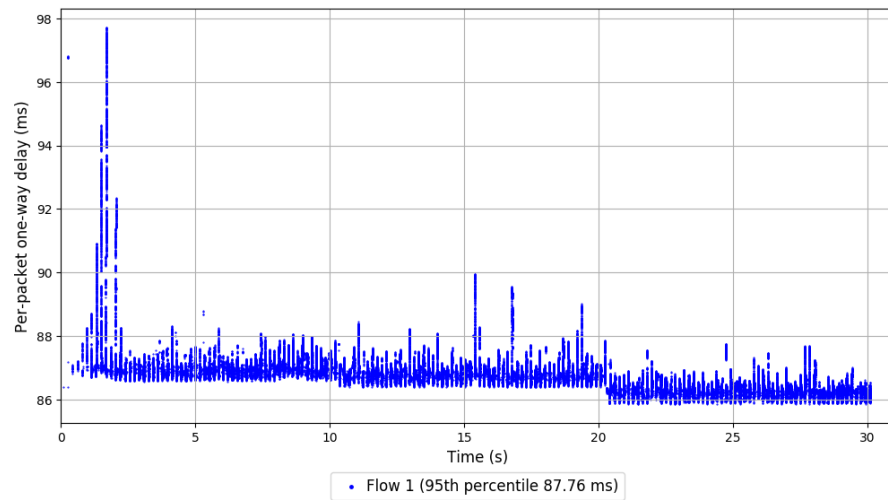
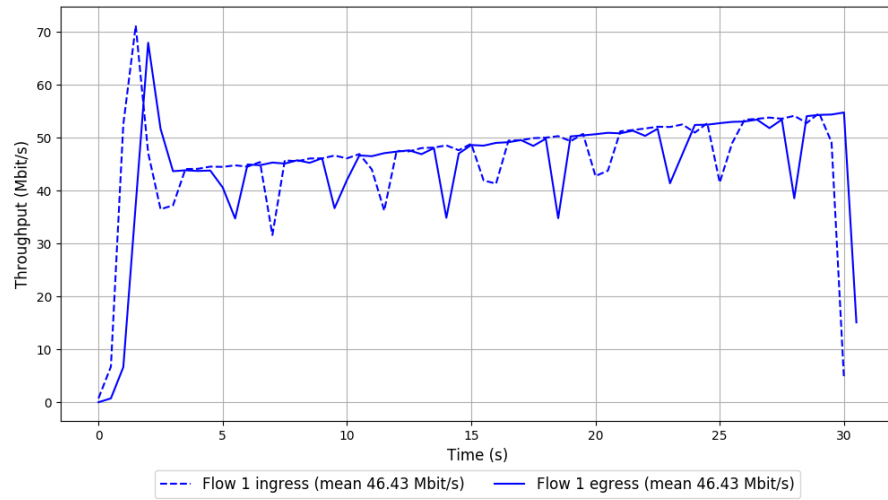


Run 9: Statistics of TCP Vegas

Start at: 2018-07-03 12:17:06
End at: 2018-07-03 12:17:36
Local clock offset: -0.018 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-03 14:38:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 46.43 Mbit/s
95th percentile per-packet one-way delay: 87.756 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.43 Mbit/s
95th percentile per-packet one-way delay: 87.756 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-03 12:39:22

End at: 2018-07-03 12:39:52

Local clock offset: -0.216 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-03 14:38:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.17 Mbit/s

95th percentile per-packet one-way delay: 87.486 ms

Loss rate: 0.00%

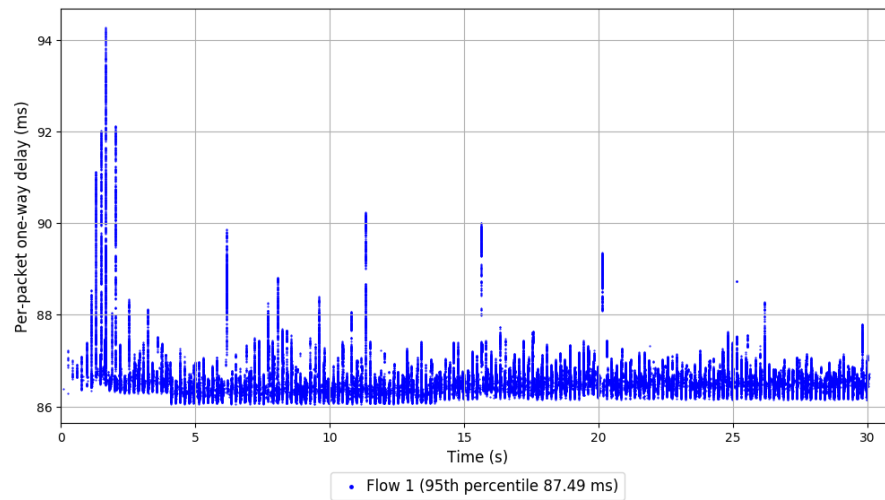
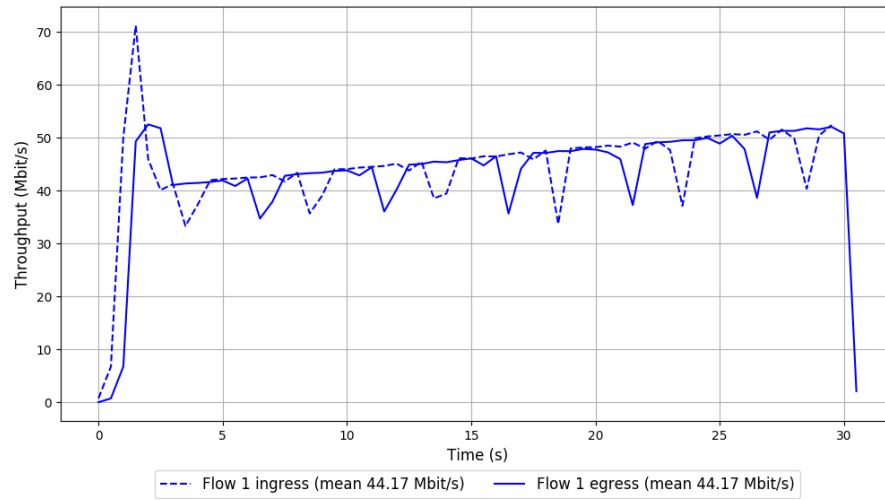
-- Flow 1:

Average throughput: 44.17 Mbit/s

95th percentile per-packet one-way delay: 87.486 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-03 09:29:41

End at: 2018-07-03 09:30:11

Local clock offset: -0.05 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-07-03 14:38:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 121.31 Mbit/s

95th percentile per-packet one-way delay: 140.126 ms

Loss rate: 0.40%

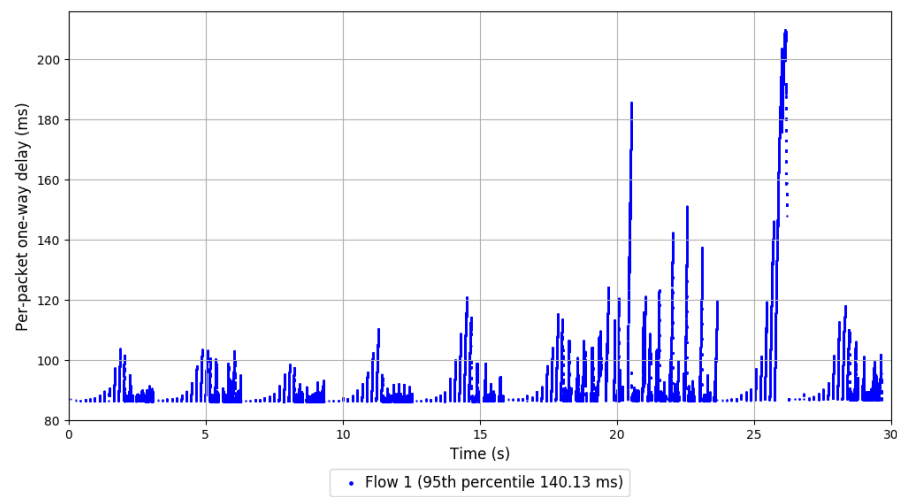
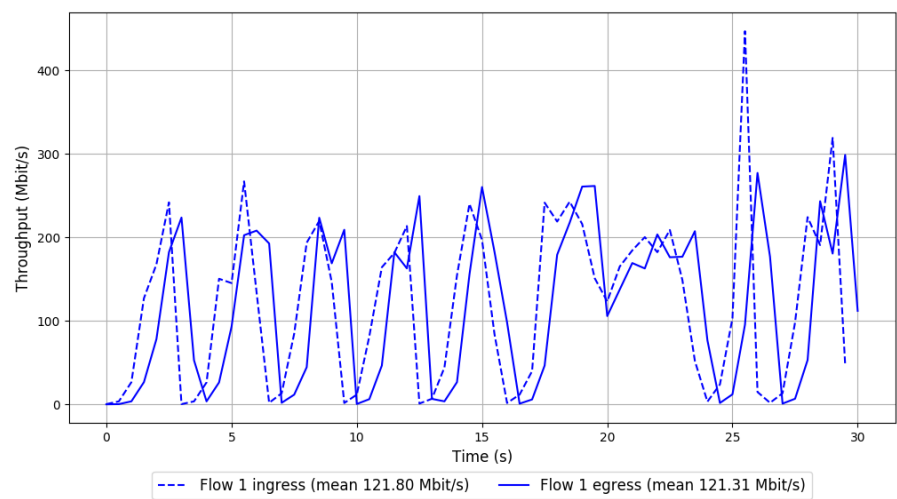
-- Flow 1:

Average throughput: 121.31 Mbit/s

95th percentile per-packet one-way delay: 140.126 ms

Loss rate: 0.40%

Run 1: Report of Verus — Data Link

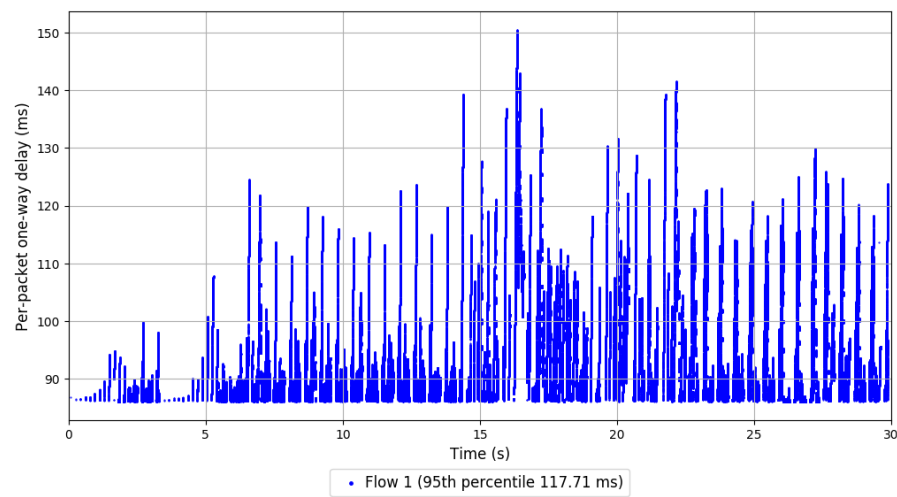
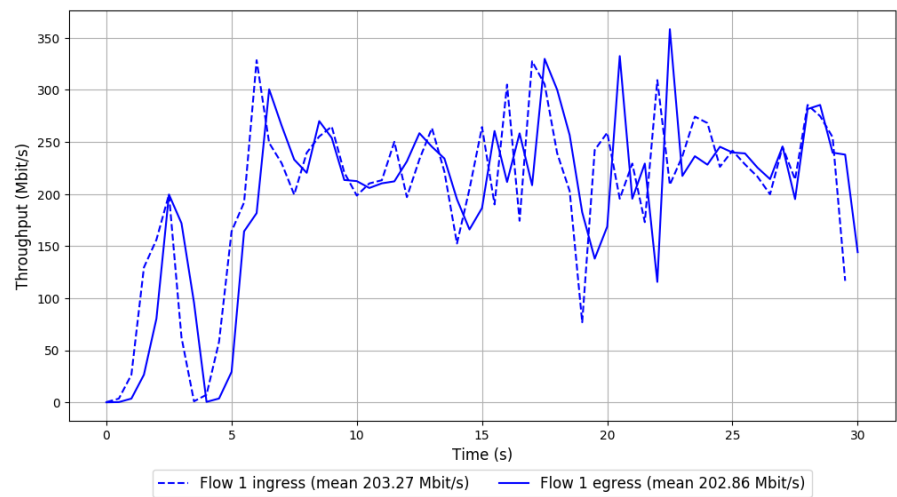


Run 2: Statistics of Verus

Start at: 2018-07-03 09:51:56
End at: 2018-07-03 09:52:26
Local clock offset: 0.018 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-03 14:38:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 202.86 Mbit/s
95th percentile per-packet one-way delay: 117.709 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 202.86 Mbit/s
95th percentile per-packet one-way delay: 117.709 ms
Loss rate: 0.20%

Run 2: Report of Verus — Data Link

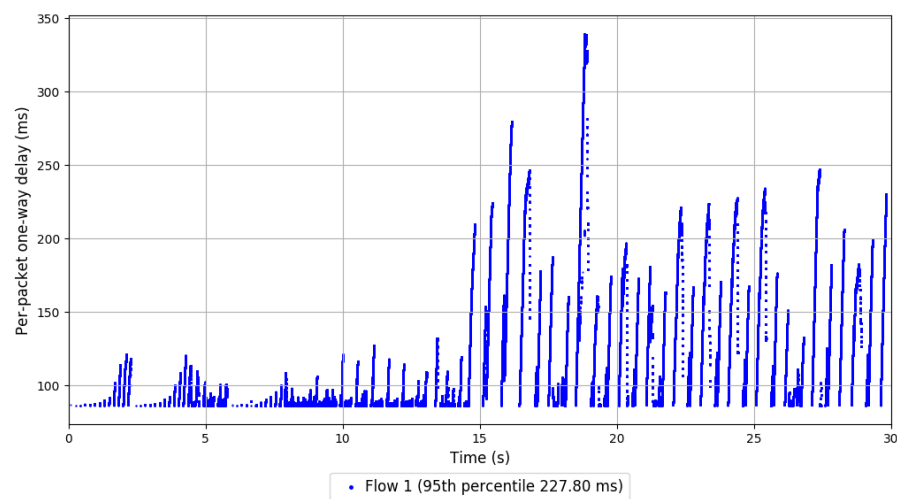
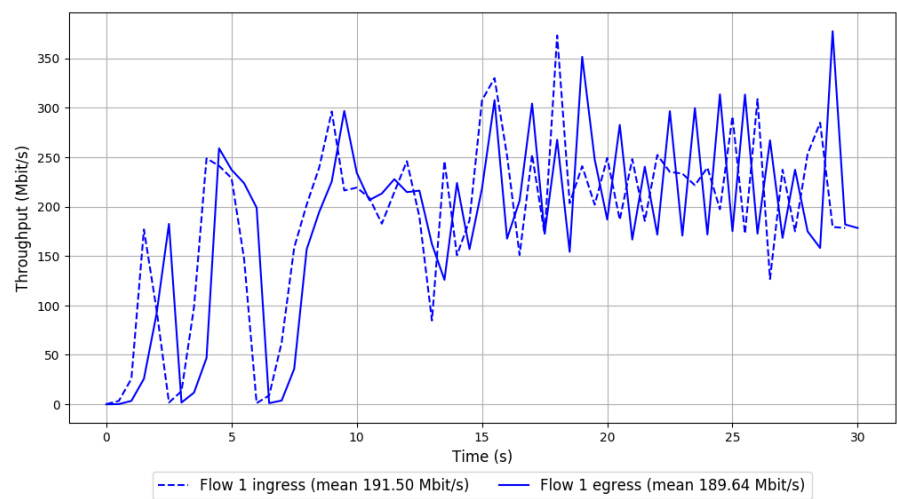


Run 3: Statistics of Verus

Start at: 2018-07-03 10:14:26
End at: 2018-07-03 10:14:56
Local clock offset: 0.117 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-03 14:38:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 189.64 Mbit/s
95th percentile per-packet one-way delay: 227.797 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 189.64 Mbit/s
95th percentile per-packet one-way delay: 227.797 ms
Loss rate: 0.49%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-03 10:37:01

End at: 2018-07-03 10:37:31

Local clock offset: 0.022 ms

Remote clock offset: 0.067 ms

Below is generated by plot.py at 2018-07-03 14:39:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.96 Mbit/s

95th percentile per-packet one-way delay: 207.850 ms

Loss rate: 0.00%

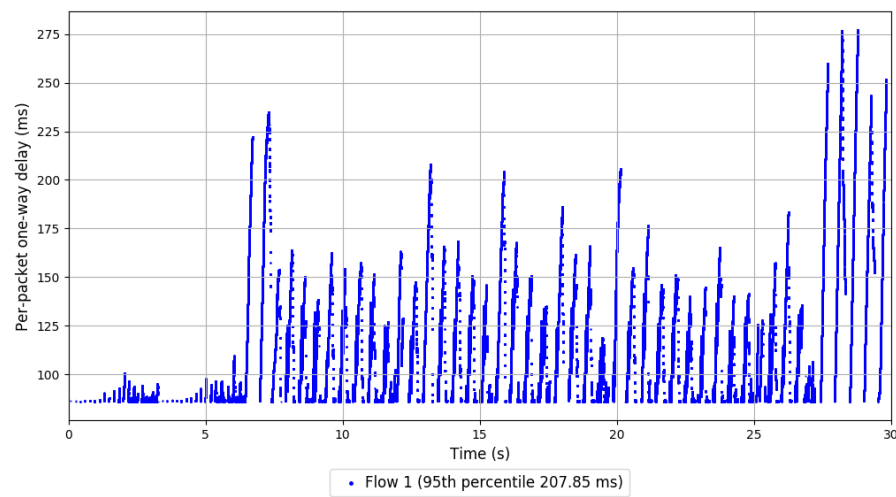
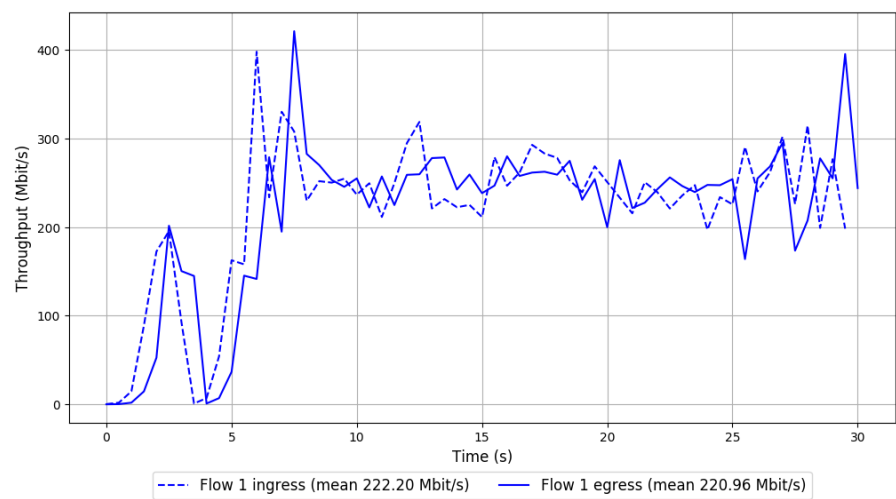
-- Flow 1:

Average throughput: 220.96 Mbit/s

95th percentile per-packet one-way delay: 207.850 ms

Loss rate: 0.00%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-07-03 10:59:14

End at: 2018-07-03 10:59:44

Local clock offset: -0.093 ms

Remote clock offset: 0.07 ms

Below is generated by plot.py at 2018-07-03 14:39:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 192.07 Mbit/s

95th percentile per-packet one-way delay: 199.651 ms

Loss rate: 0.42%

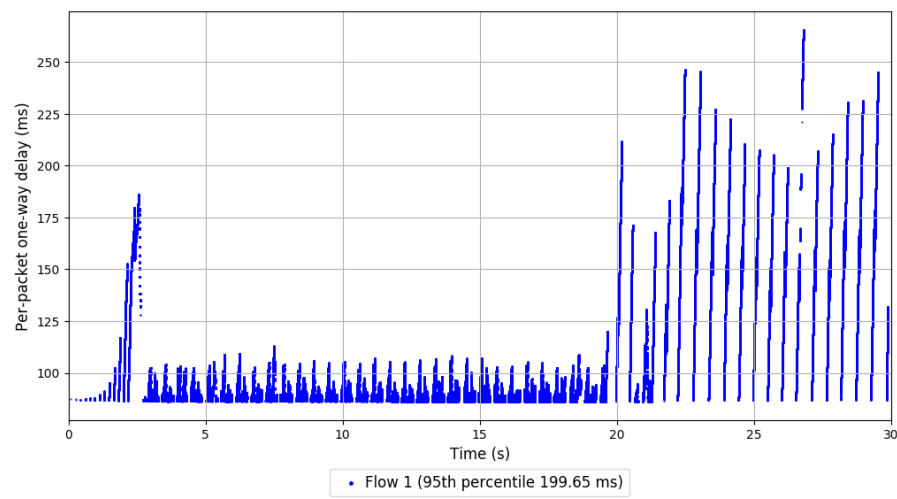
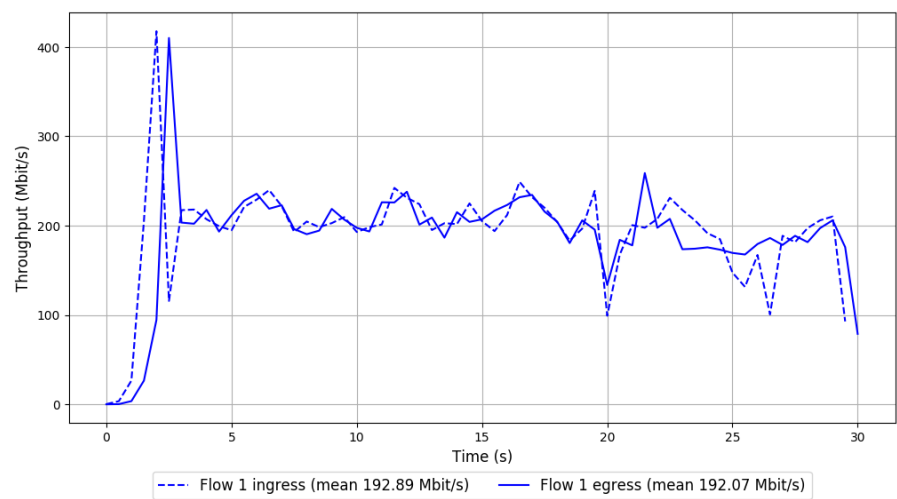
-- Flow 1:

Average throughput: 192.07 Mbit/s

95th percentile per-packet one-way delay: 199.651 ms

Loss rate: 0.42%

Run 5: Report of Verus — Data Link

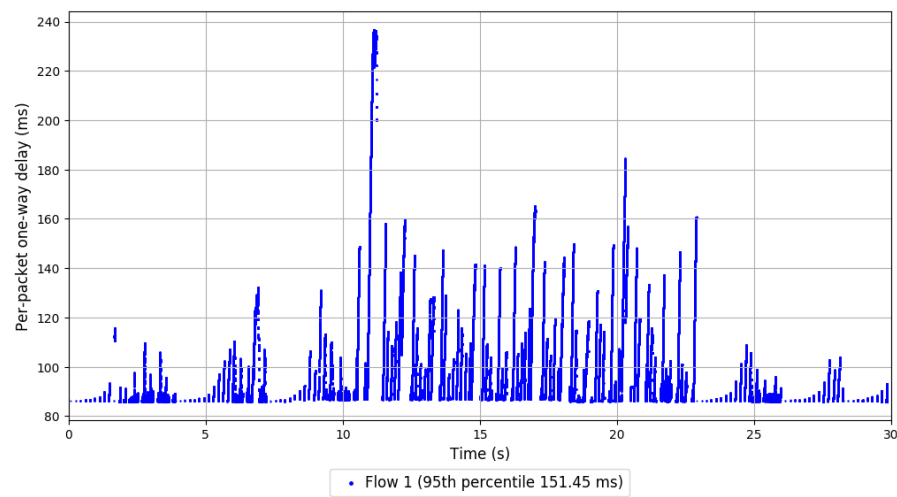
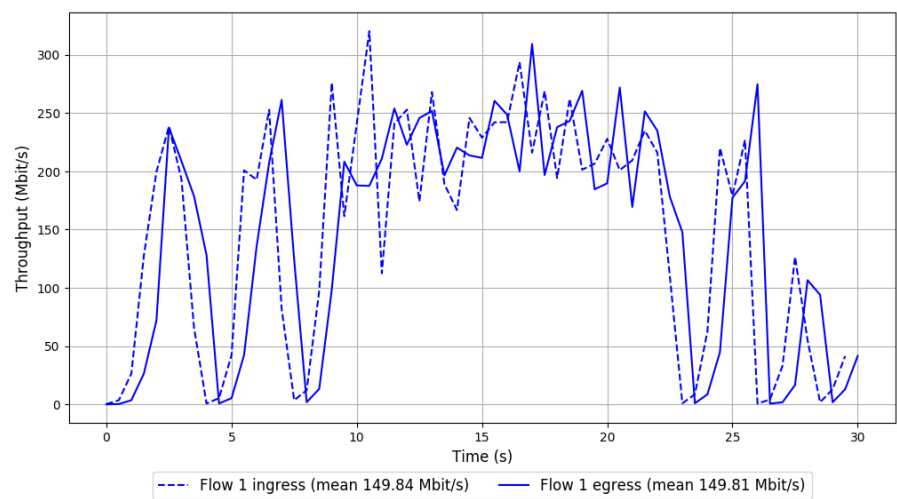


Run 6: Statistics of Verus

Start at: 2018-07-03 11:21:38
End at: 2018-07-03 11:22:08
Local clock offset: 0.075 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-07-03 14:39:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 149.81 Mbit/s
95th percentile per-packet one-way delay: 151.454 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 149.81 Mbit/s
95th percentile per-packet one-way delay: 151.454 ms
Loss rate: 0.00%

Run 6: Report of Verus — Data Link

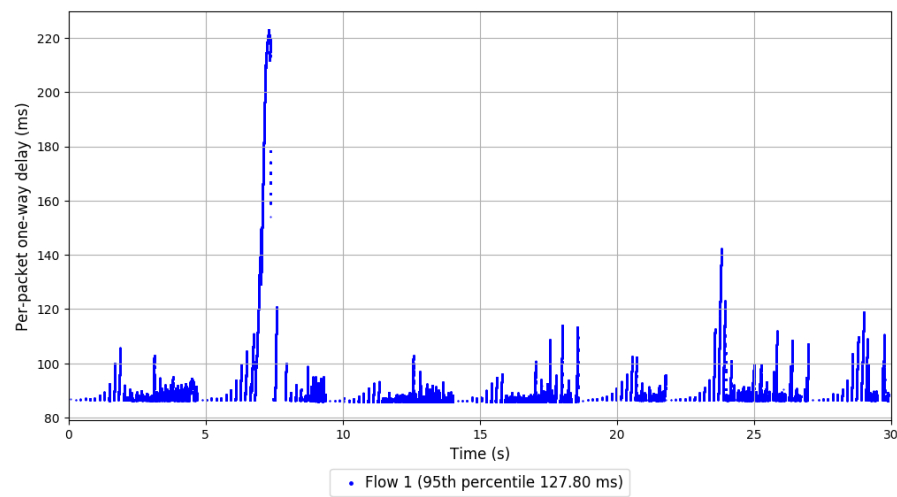
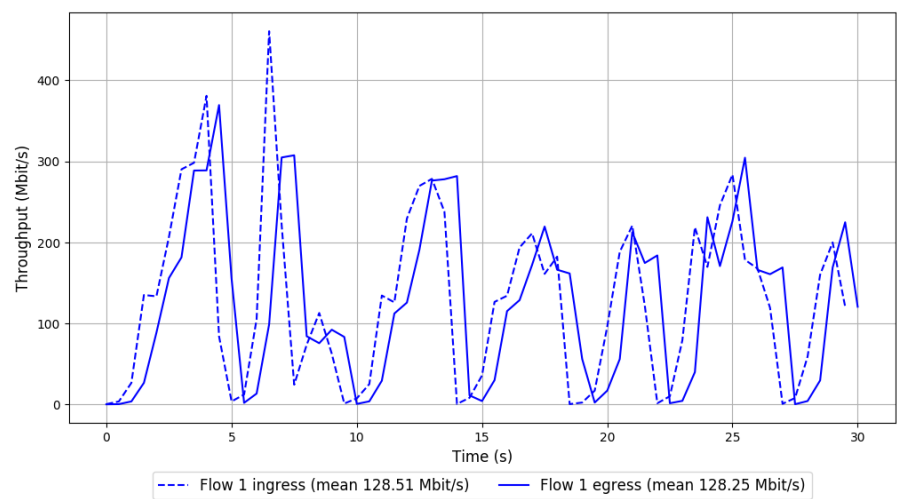


Run 7: Statistics of Verus

Start at: 2018-07-03 11:43:57
End at: 2018-07-03 11:44:27
Local clock offset: 0.082 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-07-03 14:39:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 128.25 Mbit/s
95th percentile per-packet one-way delay: 127.800 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 128.25 Mbit/s
95th percentile per-packet one-way delay: 127.800 ms
Loss rate: 0.20%

Run 7: Report of Verus — Data Link

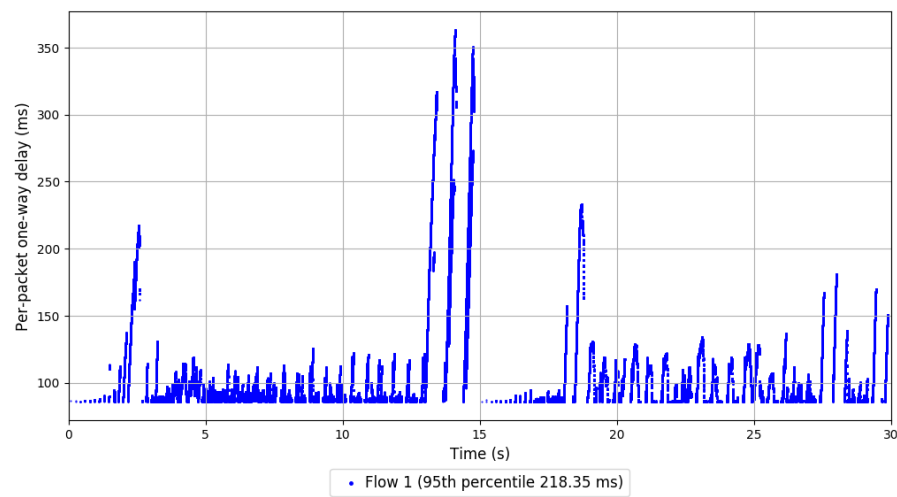
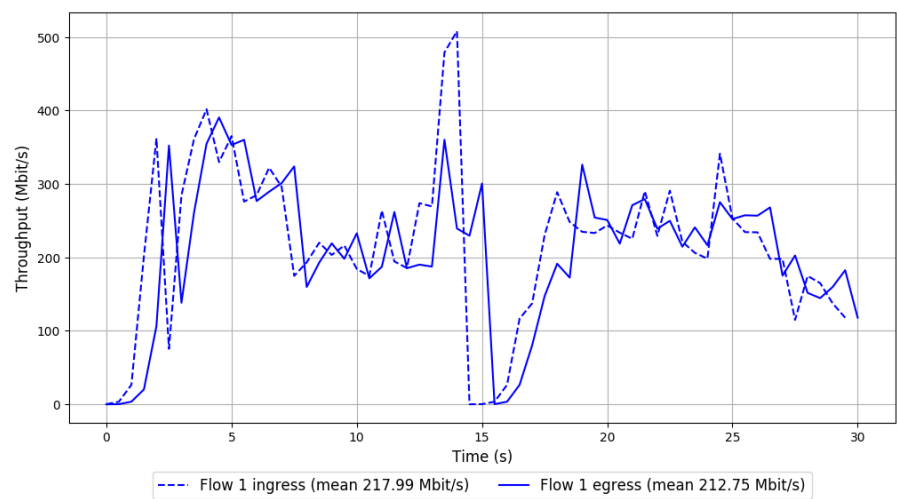


Run 8: Statistics of Verus

Start at: 2018-07-03 12:06:22
End at: 2018-07-03 12:06:52
Local clock offset: 0.135 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-03 14:41:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 212.75 Mbit/s
95th percentile per-packet one-way delay: 218.349 ms
Loss rate: 2.19%
-- Flow 1:
Average throughput: 212.75 Mbit/s
95th percentile per-packet one-way delay: 218.349 ms
Loss rate: 2.19%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-03 12:28:47

End at: 2018-07-03 12:29:17

Local clock offset: -0.042 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-07-03 14:41:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.99 Mbit/s

95th percentile per-packet one-way delay: 106.965 ms

Loss rate: 0.01%

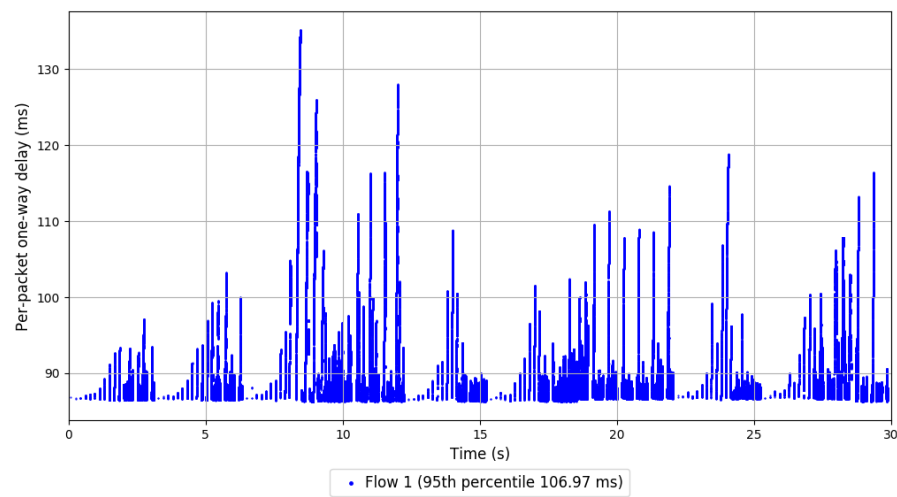
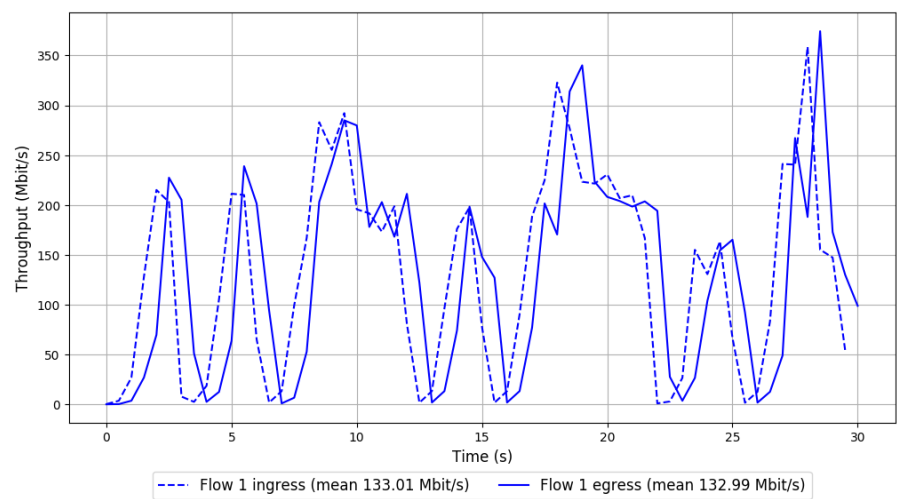
-- Flow 1:

Average throughput: 132.99 Mbit/s

95th percentile per-packet one-way delay: 106.965 ms

Loss rate: 0.01%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-03 12:51:10

End at: 2018-07-03 12:51:40

Local clock offset: 0.201 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2018-07-03 14:41:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.14 Mbit/s

95th percentile per-packet one-way delay: 197.606 ms

Loss rate: 0.64%

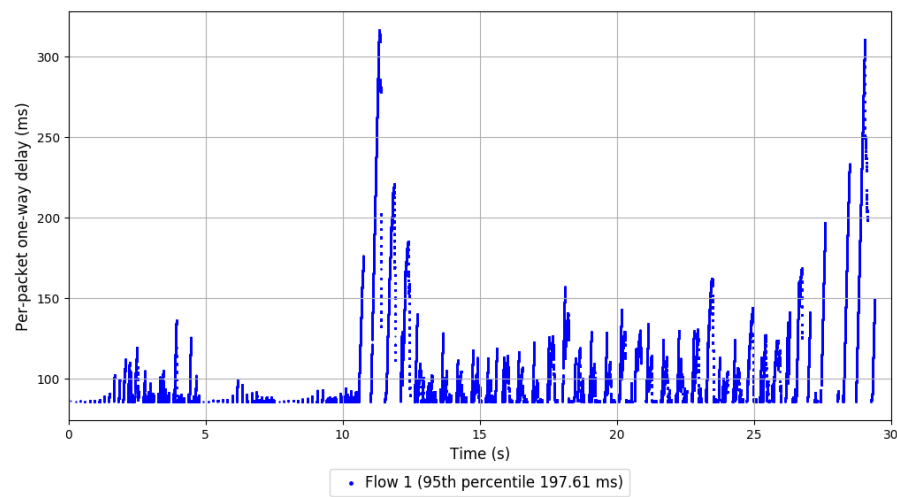
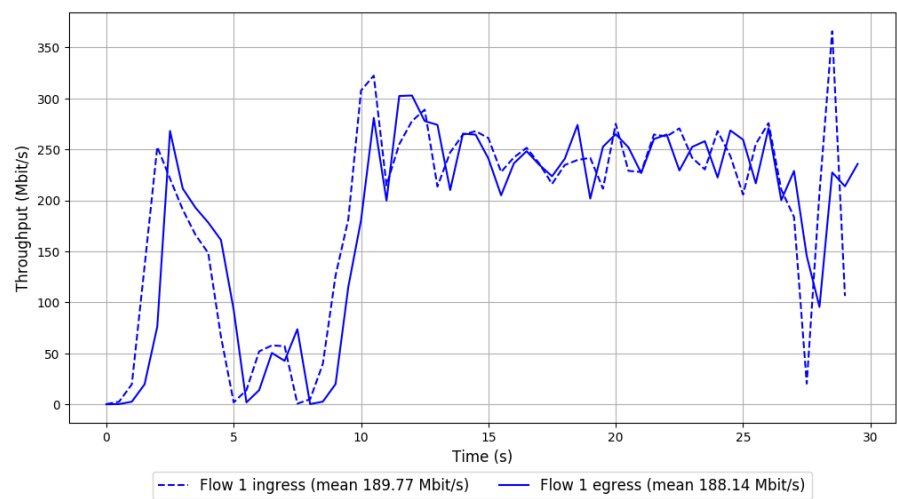
-- Flow 1:

Average throughput: 188.14 Mbit/s

95th percentile per-packet one-way delay: 197.606 ms

Loss rate: 0.64%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-03 09:19:12

End at: 2018-07-03 09:19:42

Local clock offset: 0.019 ms

Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-07-03 14:43:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 279.46 Mbit/s

95th percentile per-packet one-way delay: 90.439 ms

Loss rate: 0.00%

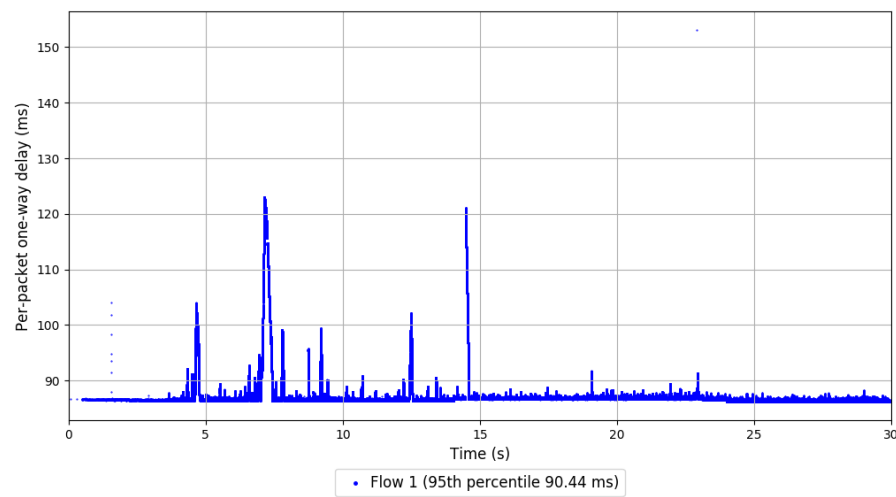
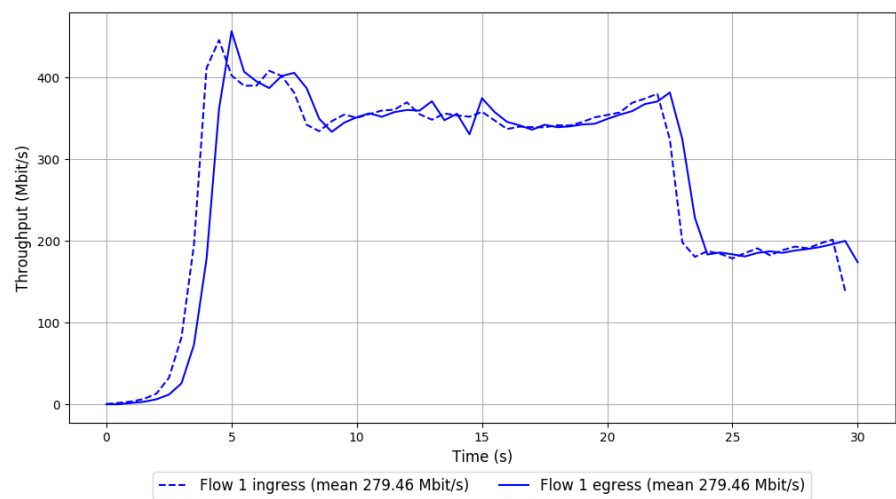
-- Flow 1:

Average throughput: 279.46 Mbit/s

95th percentile per-packet one-way delay: 90.439 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-03 09:41:25

End at: 2018-07-03 09:41:55

Local clock offset: 0.206 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-07-03 14:44:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 322.55 Mbit/s

95th percentile per-packet one-way delay: 103.476 ms

Loss rate: 0.00%

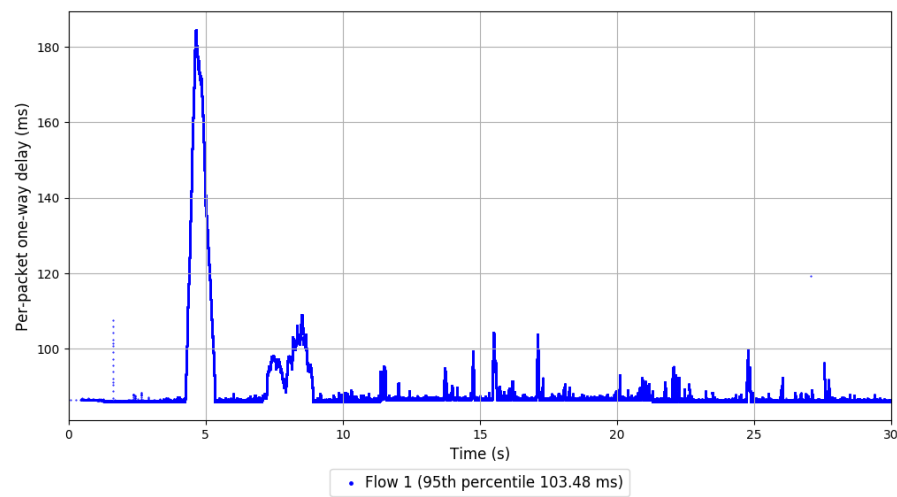
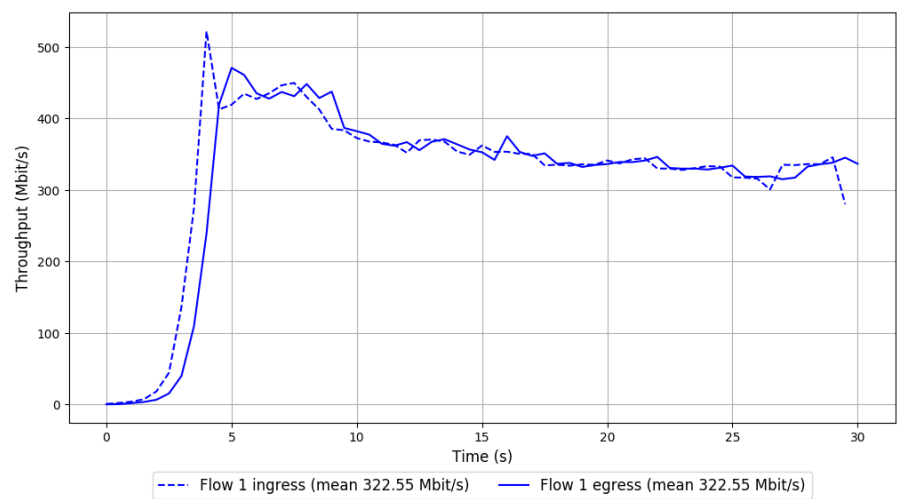
-- Flow 1:

Average throughput: 322.55 Mbit/s

95th percentile per-packet one-way delay: 103.476 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-03 10:03:54

End at: 2018-07-03 10:04:24

Local clock offset: 0.112 ms

Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-07-03 14:44:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 304.95 Mbit/s

95th percentile per-packet one-way delay: 109.442 ms

Loss rate: 0.00%

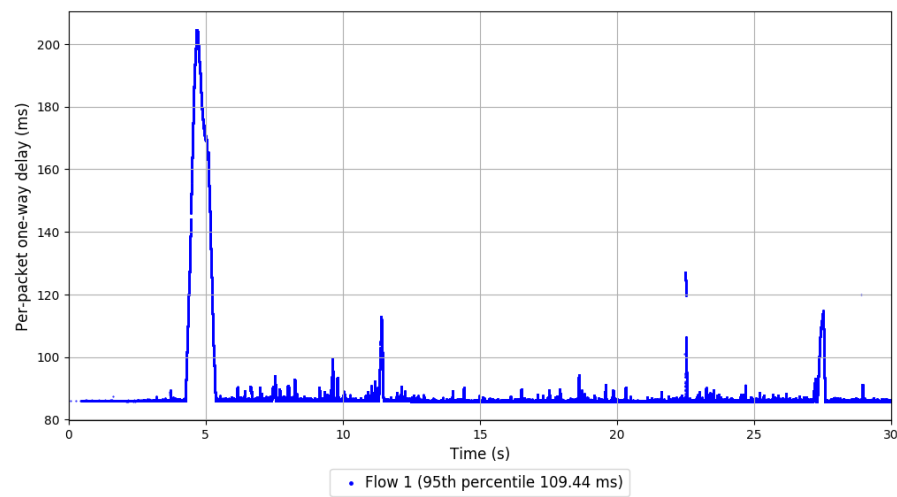
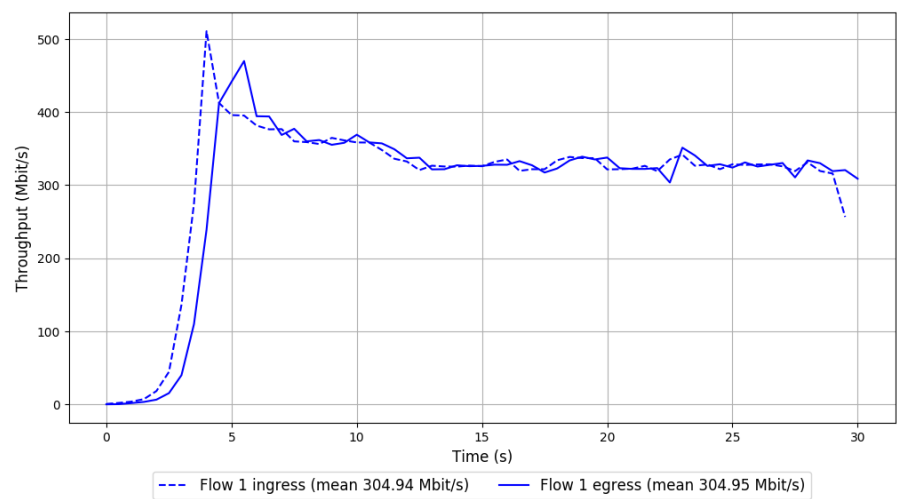
-- Flow 1:

Average throughput: 304.95 Mbit/s

95th percentile per-packet one-way delay: 109.442 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-03 10:26:29

End at: 2018-07-03 10:26:59

Local clock offset: 0.095 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-07-03 14:44:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 278.77 Mbit/s

95th percentile per-packet one-way delay: 87.113 ms

Loss rate: 0.02%

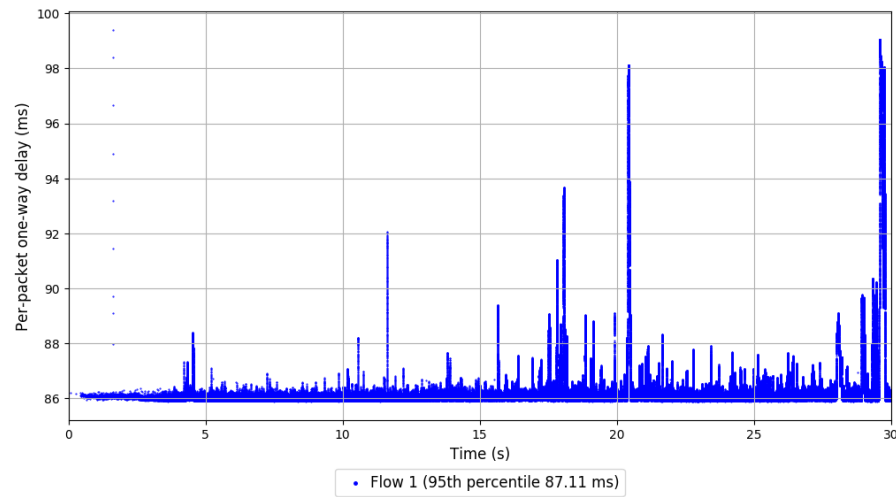
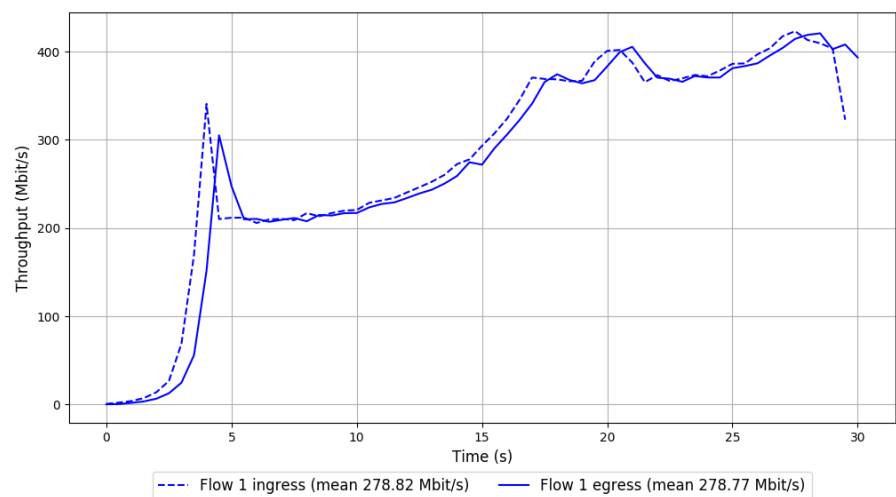
-- Flow 1:

Average throughput: 278.77 Mbit/s

95th percentile per-packet one-way delay: 87.113 ms

Loss rate: 0.02%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-03 10:48:44

End at: 2018-07-03 10:49:14

Local clock offset: 0.035 ms

Remote clock offset: 0.104 ms

Below is generated by plot.py at 2018-07-03 14:44:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 320.96 Mbit/s

95th percentile per-packet one-way delay: 90.122 ms

Loss rate: 0.00%

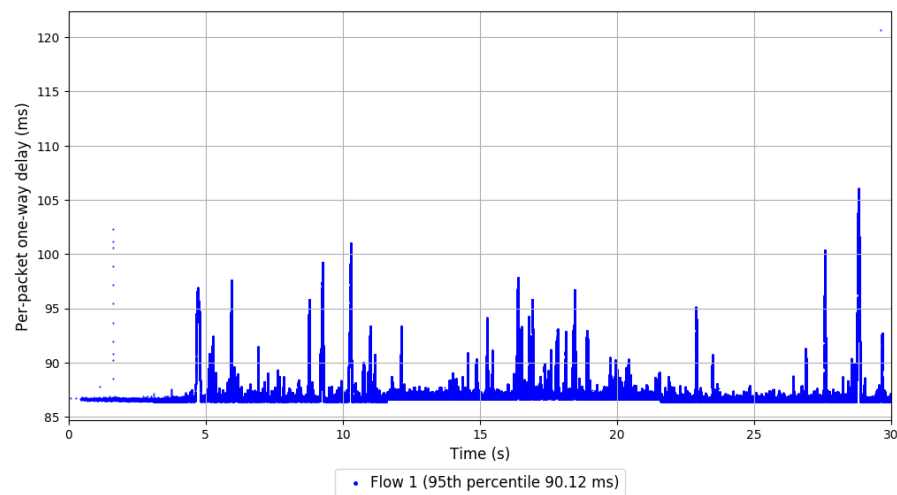
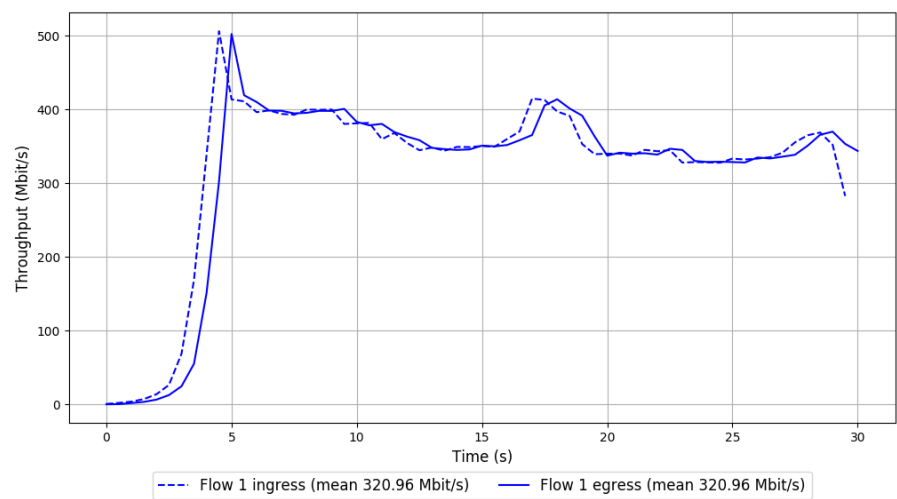
-- Flow 1:

Average throughput: 320.96 Mbit/s

95th percentile per-packet one-way delay: 90.122 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

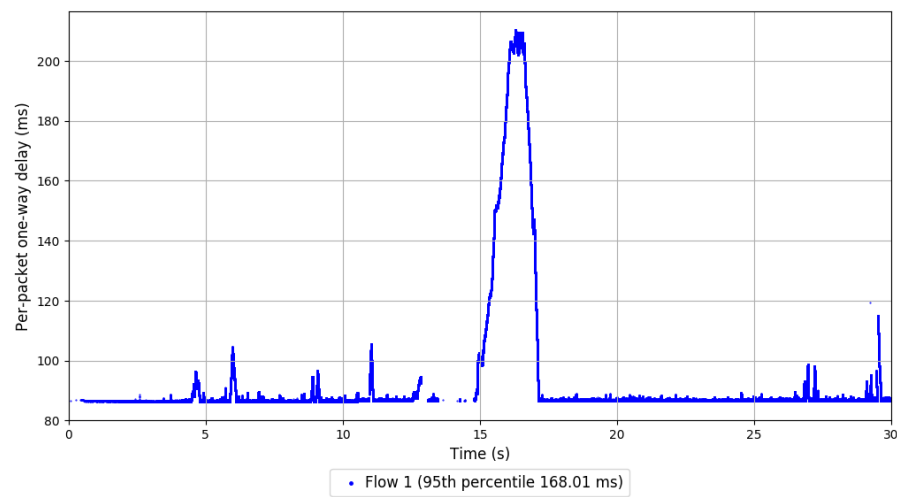
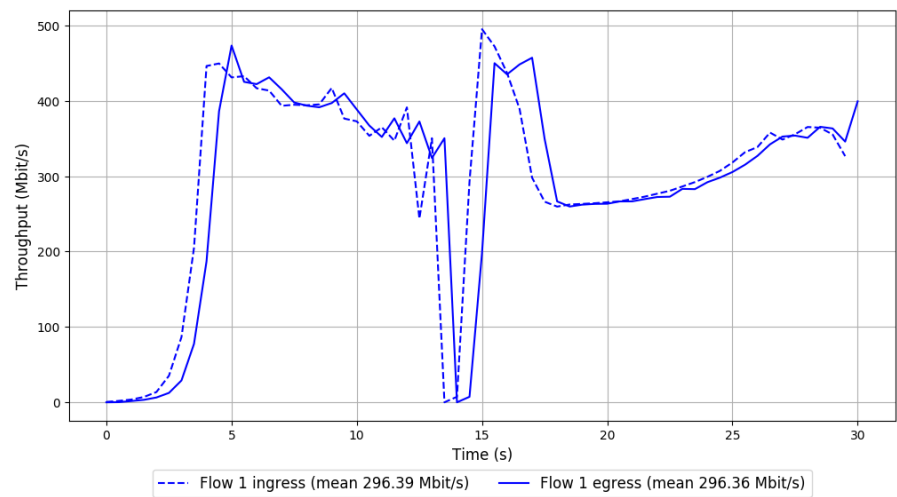


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-03 11:11:05
End at: 2018-07-03 11:11:35
Local clock offset: 0.094 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-03 14:45:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 296.36 Mbit/s
95th percentile per-packet one-way delay: 168.013 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 296.36 Mbit/s
95th percentile per-packet one-way delay: 168.013 ms
Loss rate: 0.01%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-03 11:33:26

End at: 2018-07-03 11:33:56

Local clock offset: 0.251 ms

Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-07-03 14:45:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 334.09 Mbit/s

95th percentile per-packet one-way delay: 101.065 ms

Loss rate: 0.29%

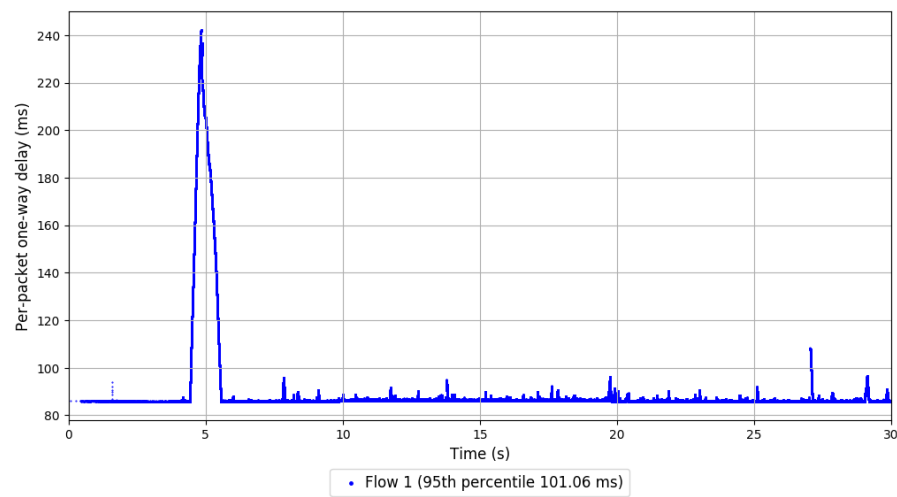
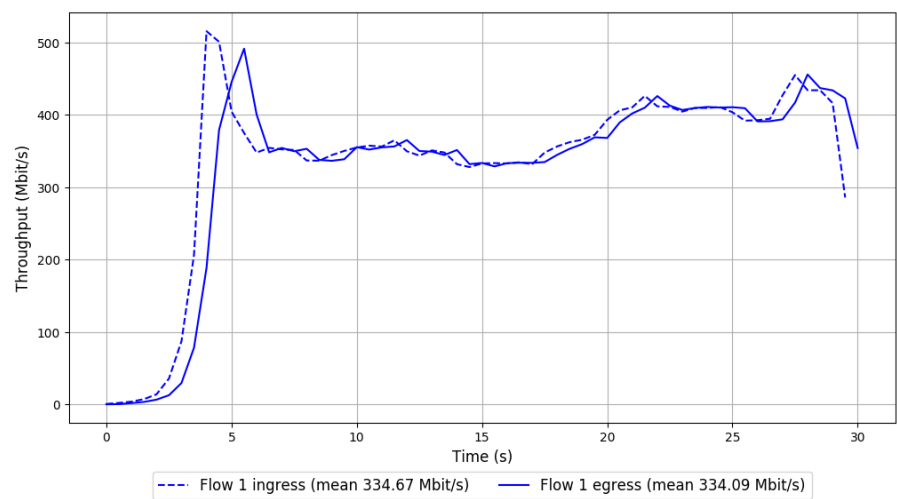
-- Flow 1:

Average throughput: 334.09 Mbit/s

95th percentile per-packet one-way delay: 101.065 ms

Loss rate: 0.29%

Run 7: Report of PCC-Vivace — Data Link

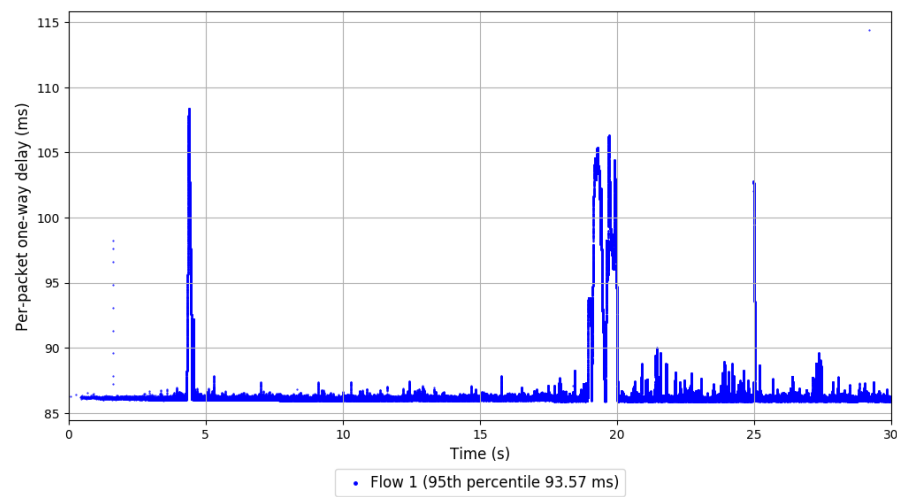
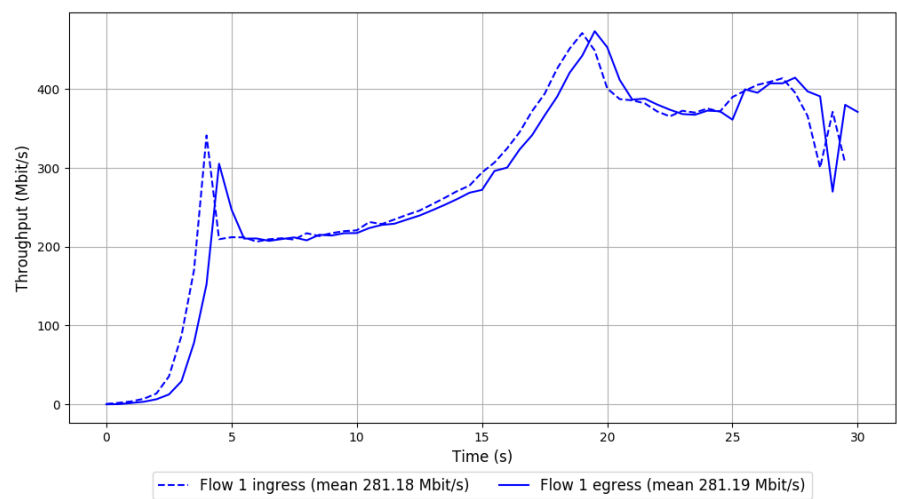


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-03 11:55:48
End at: 2018-07-03 11:56:18
Local clock offset: -0.057 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-07-03 14:45:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 281.19 Mbit/s
95th percentile per-packet one-way delay: 93.571 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 281.19 Mbit/s
95th percentile per-packet one-way delay: 93.571 ms
Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link

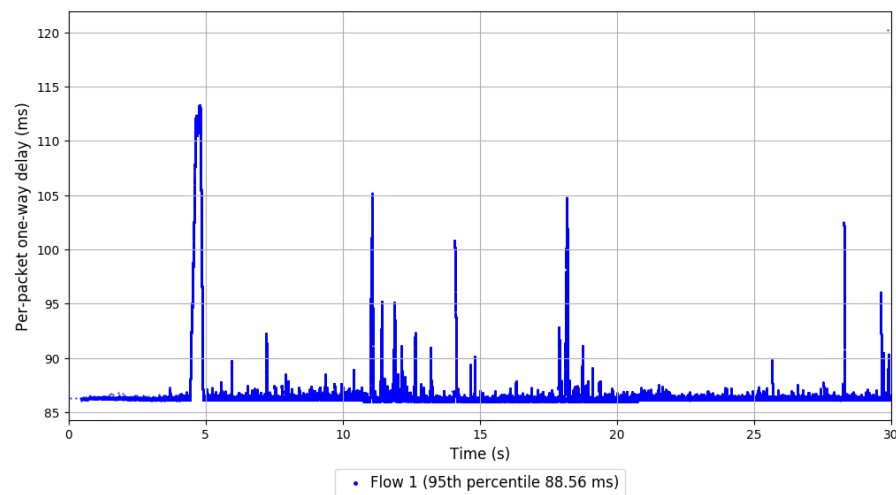
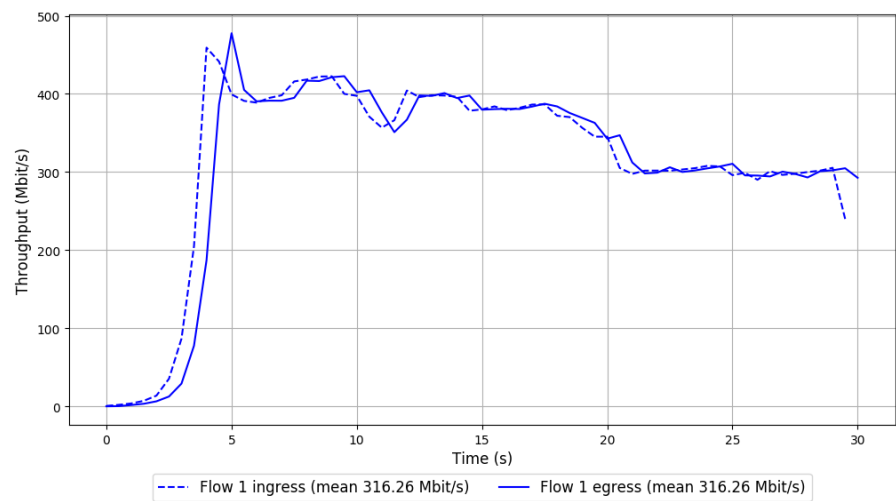


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-03 12:18:15
End at: 2018-07-03 12:18:45
Local clock offset: -0.194 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-03 14:46:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 316.26 Mbit/s
95th percentile per-packet one-way delay: 88.561 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 316.26 Mbit/s
95th percentile per-packet one-way delay: 88.561 ms
Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-03 12:40:31

End at: 2018-07-03 12:41:01

Local clock offset: -0.096 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-03 14:46:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 368.26 Mbit/s

95th percentile per-packet one-way delay: 92.530 ms

Loss rate: 0.00%

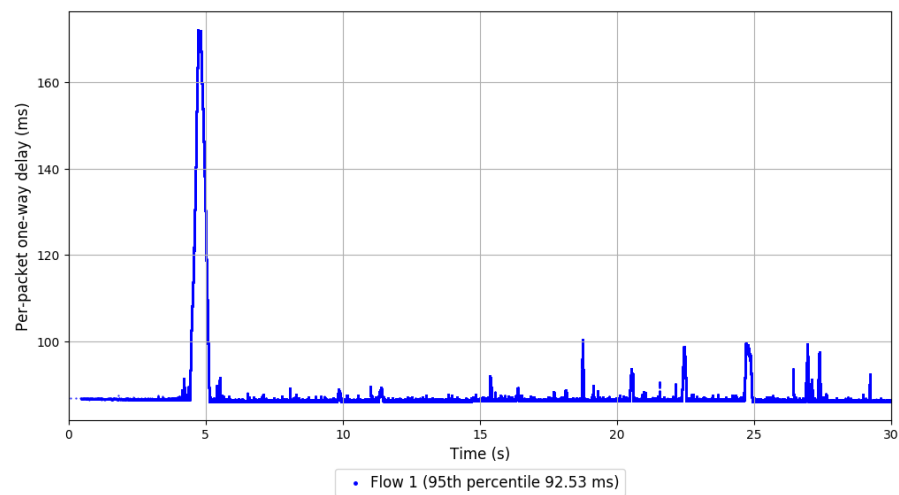
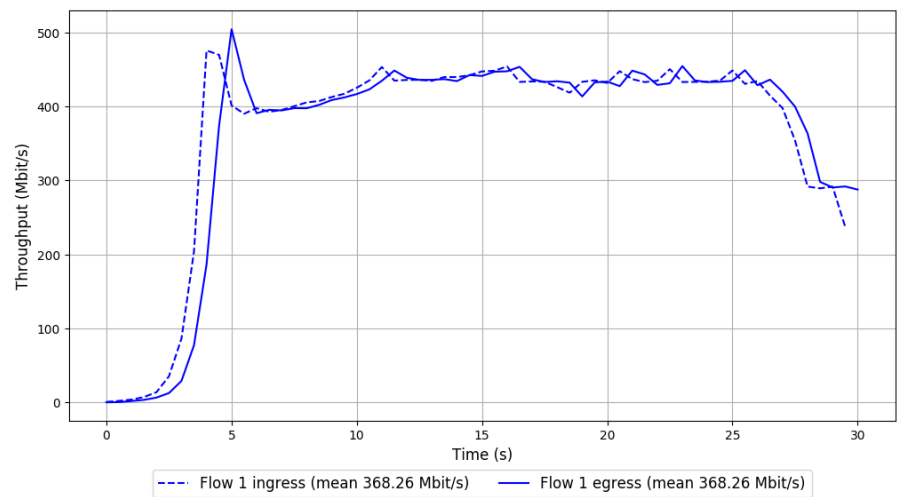
-- Flow 1:

Average throughput: 368.26 Mbit/s

95th percentile per-packet one-way delay: 92.530 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-07-03 09:30:56

End at: 2018-07-03 09:31:26

Local clock offset: -0.147 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-07-03 14:46:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.20 Mbit/s

95th percentile per-packet one-way delay: 87.111 ms

Loss rate: 0.00%

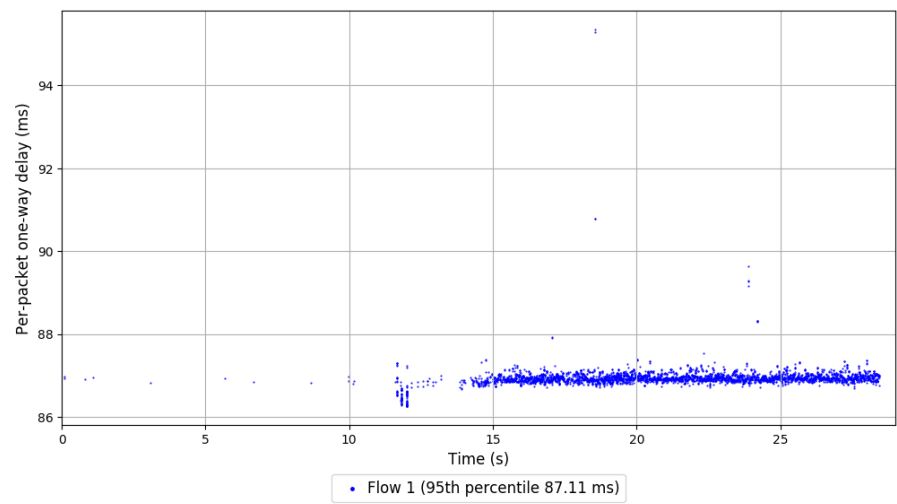
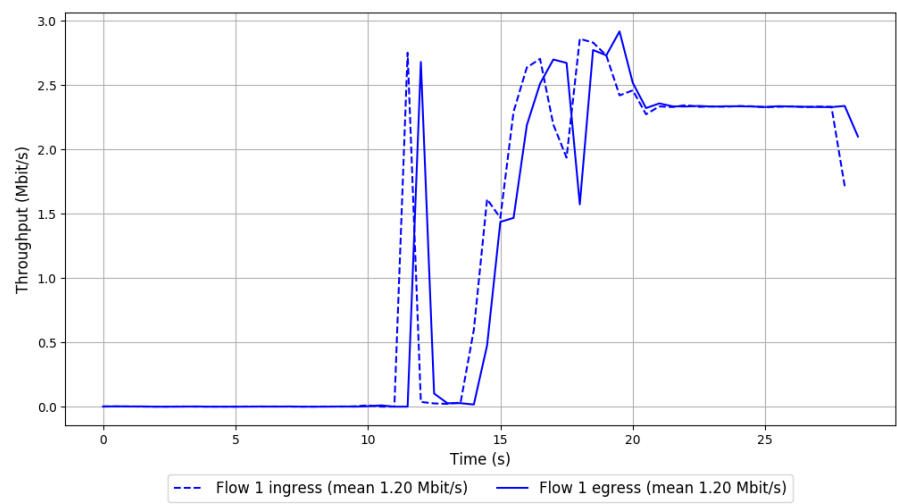
-- Flow 1:

Average throughput: 1.20 Mbit/s

95th percentile per-packet one-way delay: 87.111 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-03 09:53:17

End at: 2018-07-03 09:53:47

Local clock offset: 0.13 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-03 14:46:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 86.505 ms

Loss rate: 0.00%

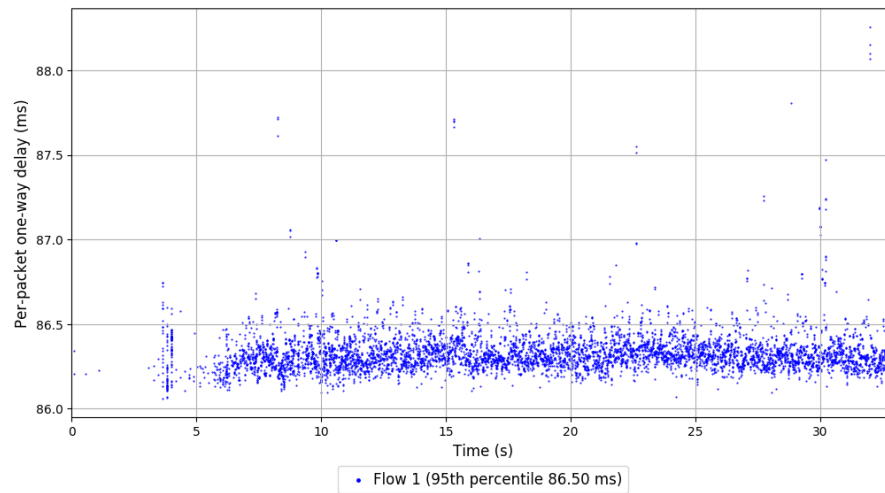
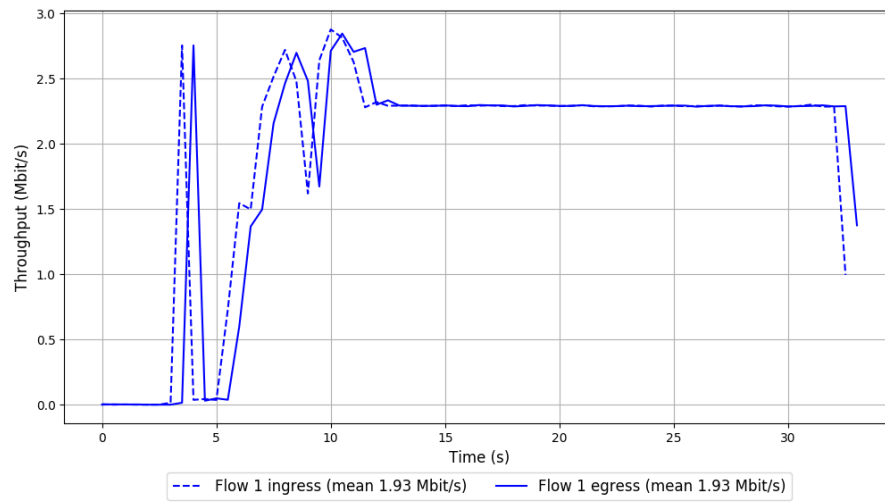
-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 86.505 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

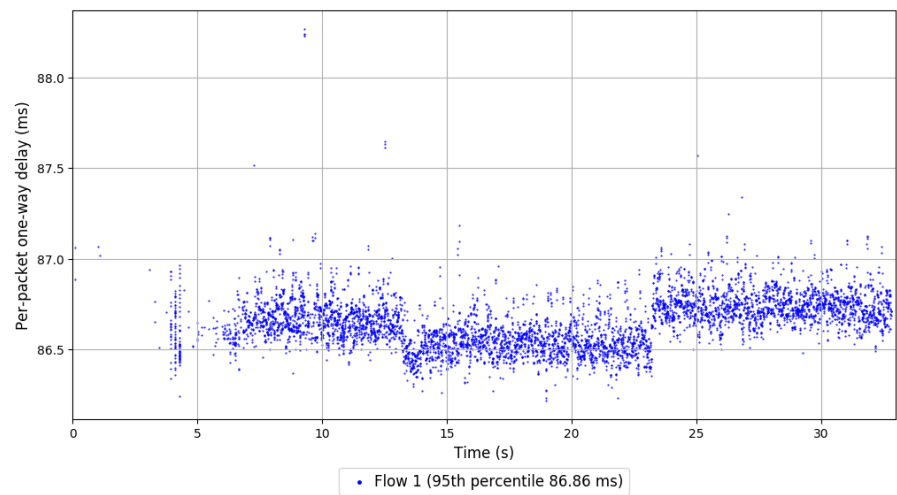
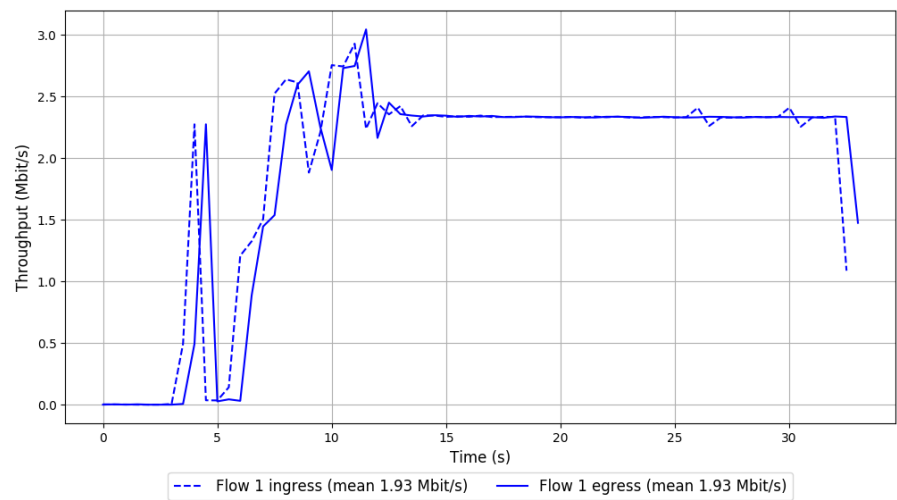


Run 3: Statistics of WebRTC media

Start at: 2018-07-03 10:15:46
End at: 2018-07-03 10:16:16
Local clock offset: -0.225 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-03 14:46:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 86.860 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 86.860 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-03 10:38:22

End at: 2018-07-03 10:38:52

Local clock offset: 0.03 ms

Remote clock offset: 0.061 ms

Below is generated by plot.py at 2018-07-03 14:46:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 86.458 ms

Loss rate: 0.00%

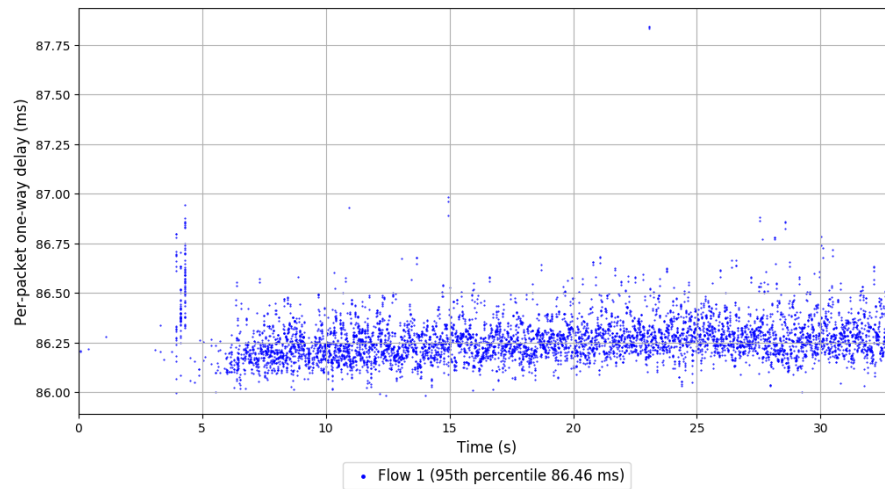
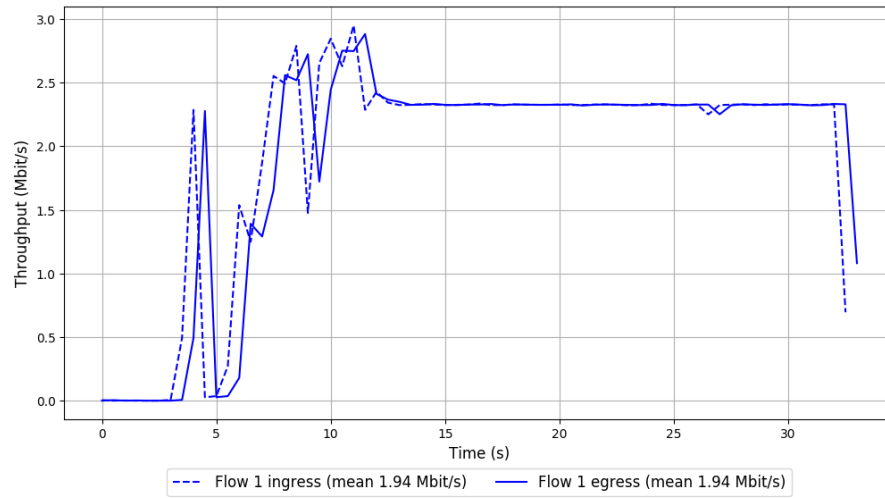
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 86.458 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-03 11:00:34

End at: 2018-07-03 11:01:04

Local clock offset: 0.114 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-07-03 14:46:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 86.516 ms

Loss rate: 0.00%

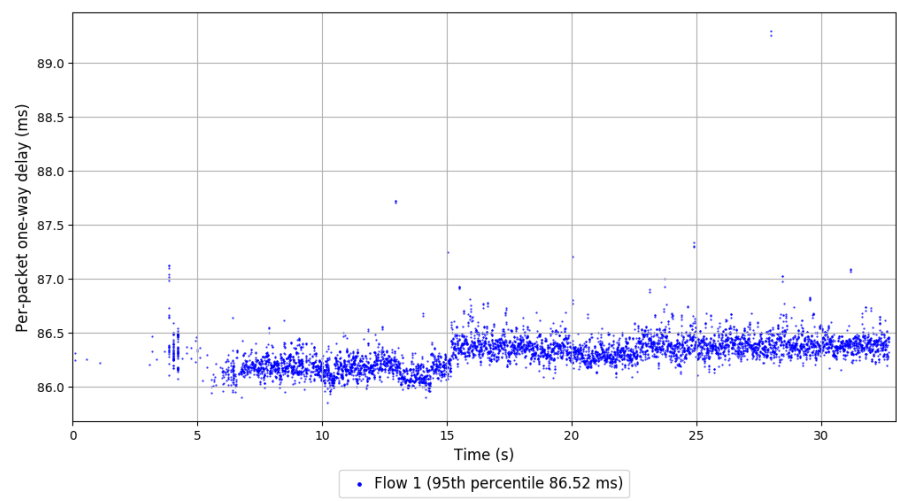
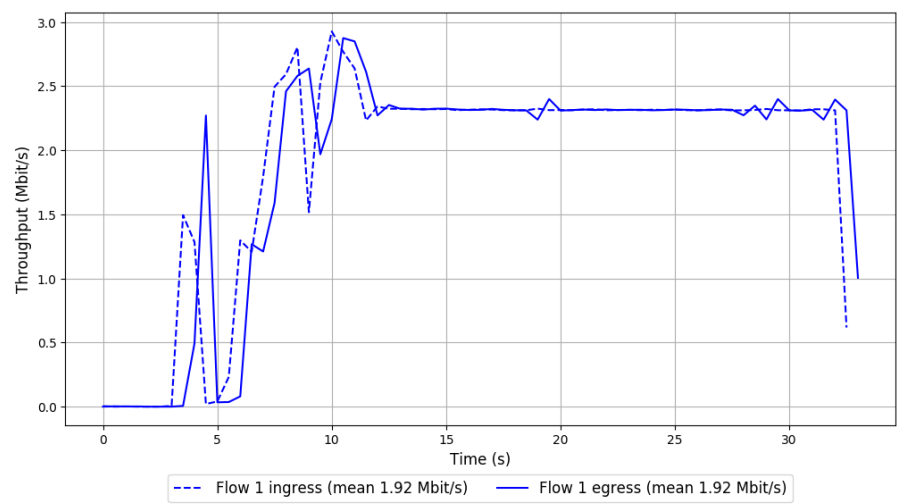
-- Flow 1:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 86.516 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

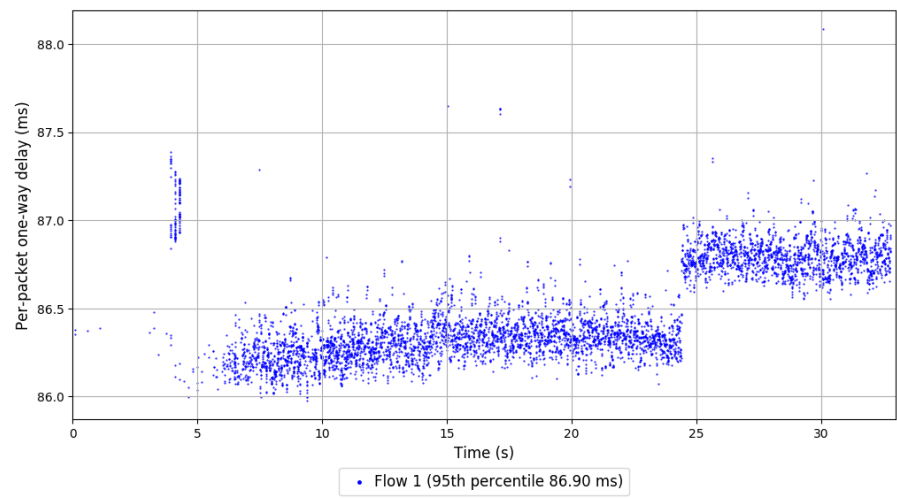
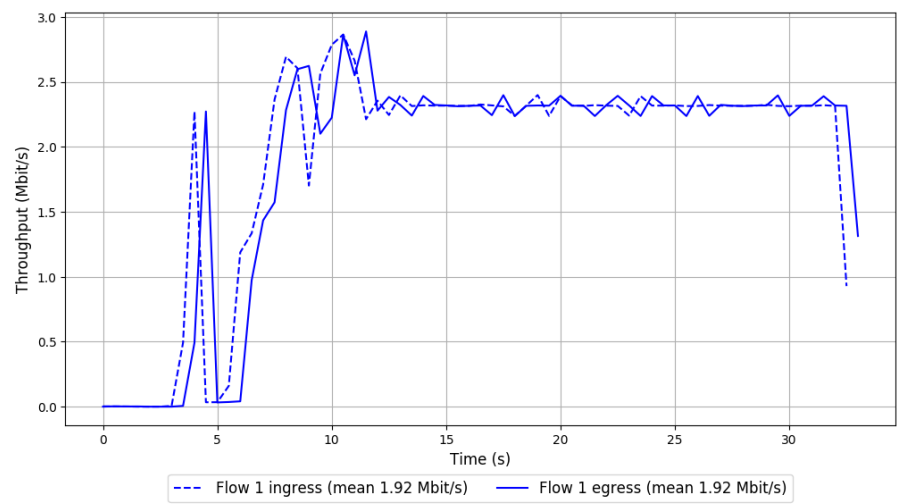


Run 6: Statistics of WebRTC media

Start at: 2018-07-03 11:22:54
End at: 2018-07-03 11:23:24
Local clock offset: 0.103 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-07-03 14:46:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 86.903 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 86.903 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

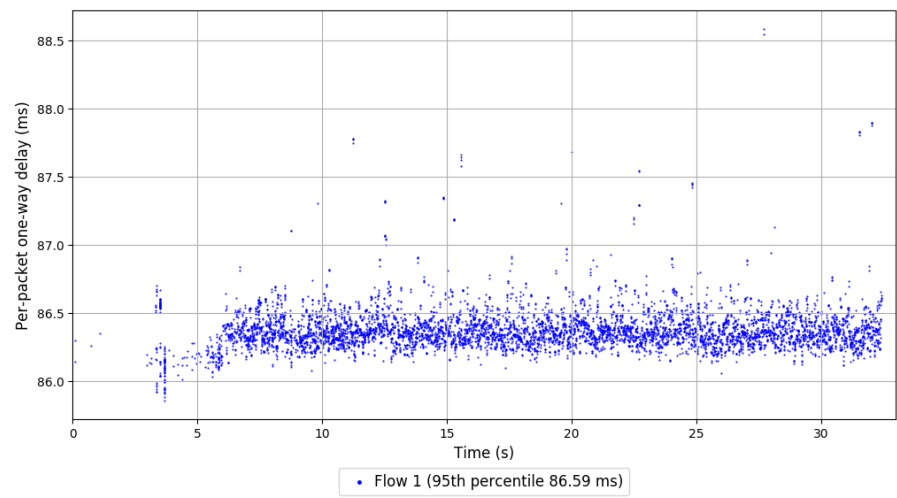
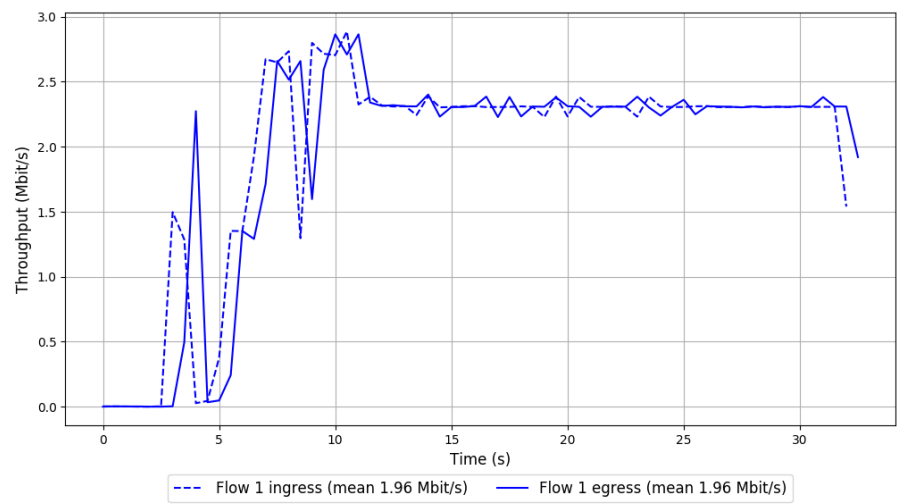


Run 7: Statistics of WebRTC media

Start at: 2018-07-03 11:45:12
End at: 2018-07-03 11:45:42
Local clock offset: 0.13 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-07-03 14:46:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 86.595 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 86.595 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

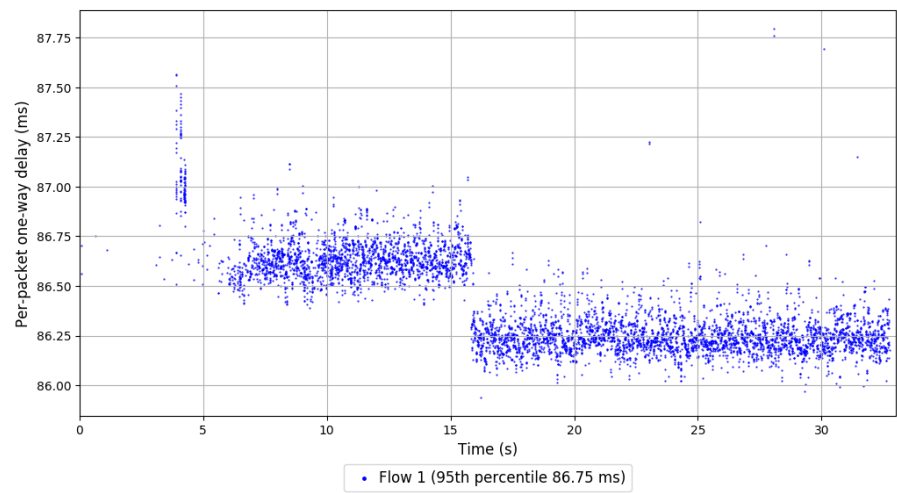
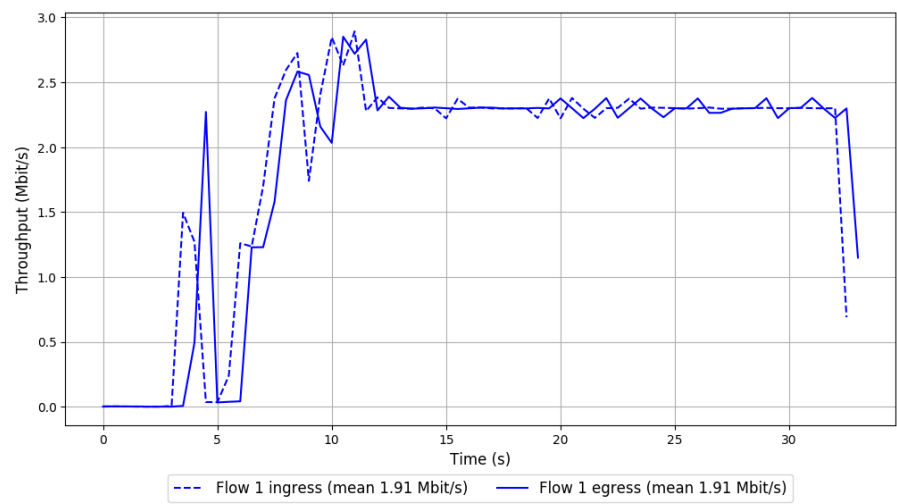


Run 8: Statistics of WebRTC media

Start at: 2018-07-03 12:07:43
End at: 2018-07-03 12:08:13
Local clock offset: -0.028 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-03 14:46:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 86.753 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 86.753 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

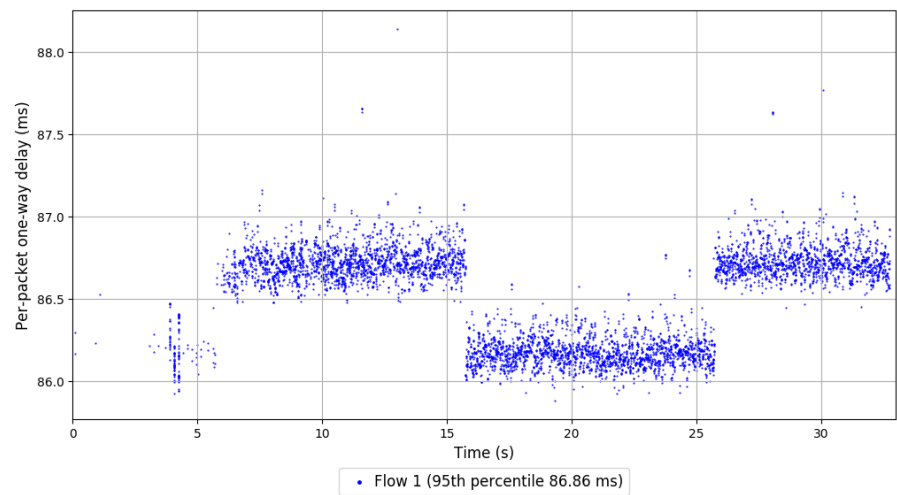
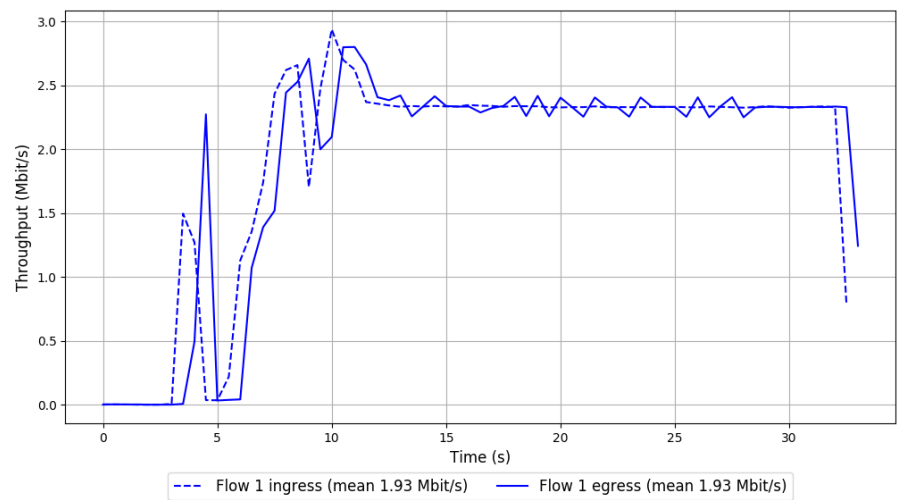


Run 9: Statistics of WebRTC media

Start at: 2018-07-03 12:30:03
End at: 2018-07-03 12:30:33
Local clock offset: 0.027 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-03 14:46:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 86.855 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 86.855 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-03 12:52:29

End at: 2018-07-03 12:52:59

Local clock offset: -0.054 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-03 14:46:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 86.747 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 86.747 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

