

Pantheon Report

Generated at 2018-08-10 02:16:50 (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.

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

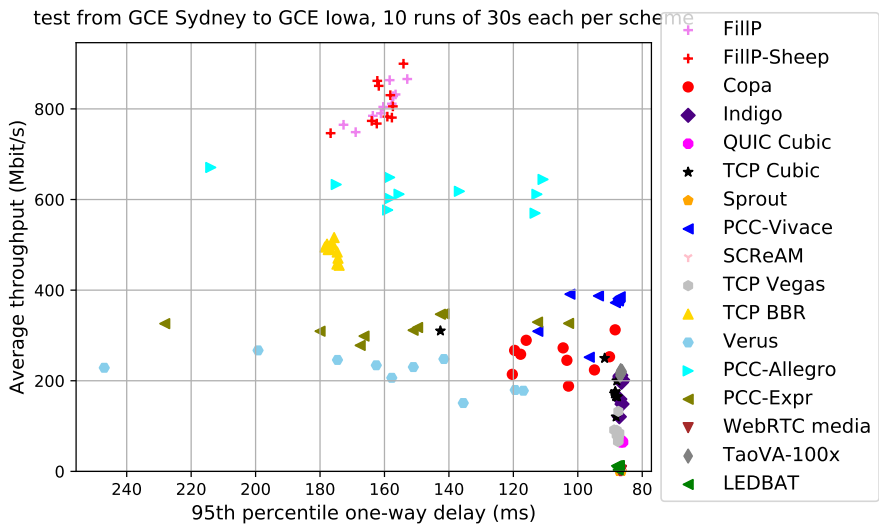
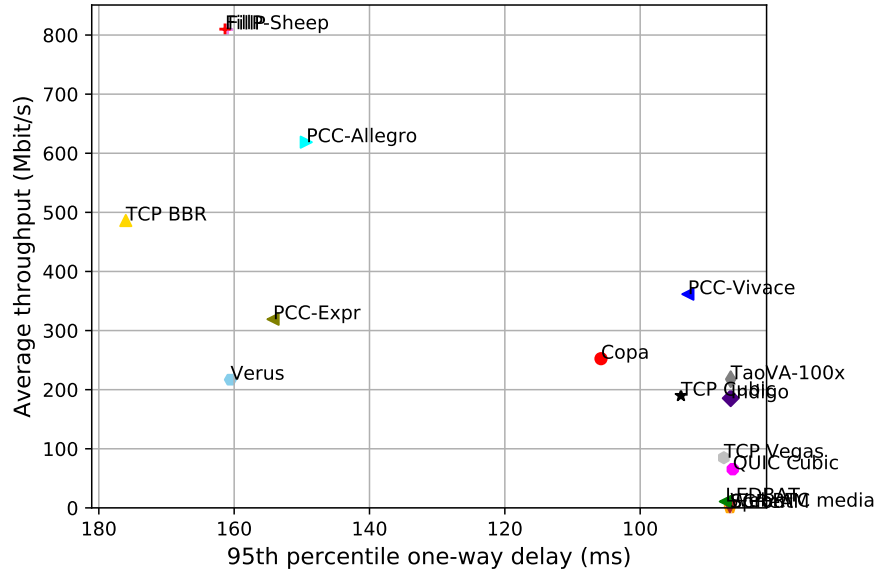
System info:

```
Linux 4.15.0-1014-gcp
net.core.default_qdisc = fq_codel
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: master @ 7719b900495aa706f8452ab7d4a94dd562e9296e
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdfef58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from GCE Sydney to GCE Iowa, 10 runs of 30s each per scheme
(mean of all runs by scheme)



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	486.20	176.01	2.38
Copa	10	252.41	105.79	0.00
TCP Cubic	10	189.87	93.98	0.04
FillP	10	809.38	160.96	5.17
FillP-Sheep	10	809.95	161.35	5.07
Indigo	10	185.47	86.63	0.01
LEDBAT	10	10.74	87.42	0.00
PCC-Allegro	10	618.73	149.35	1.01
PCC-Expr	10	319.17	154.25	1.02
QUIC Cubic	4	65.45	86.32	0.00
SCReAM	10	0.22	86.68	0.00
Sprout	10	0.27	86.73	0.00
TaoVA-100x	10	217.67	86.62	0.01
TCP Vegas	10	84.87	87.63	0.00
Verus	10	216.91	160.55	1.03
PCC-Vivace	10	361.58	92.95	0.01
WebRTC media	10	2.02	86.73	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-08-09 20:26:33

End at: 2018-08-09 20:27:03

Local clock offset: -0.2 ms

Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-08-10 00:21:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 455.02 Mbit/s

95th percentile per-packet one-way delay: 174.065 ms

Loss rate: 2.23%

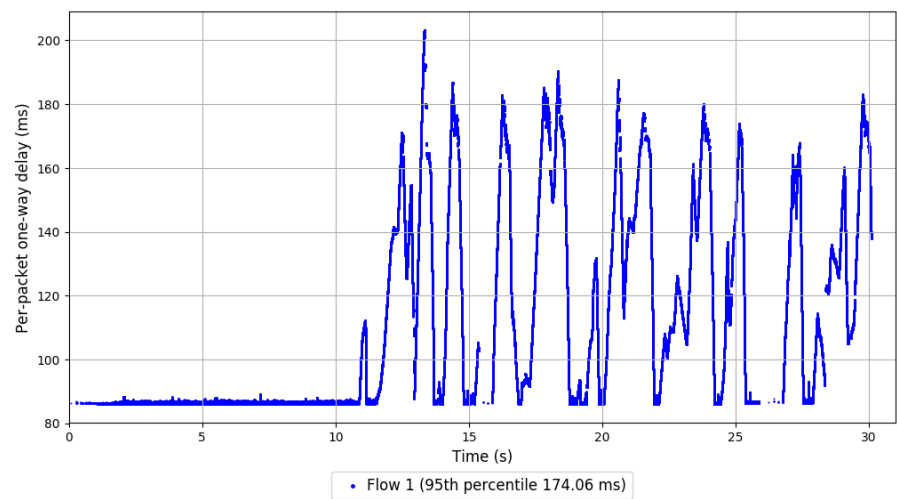
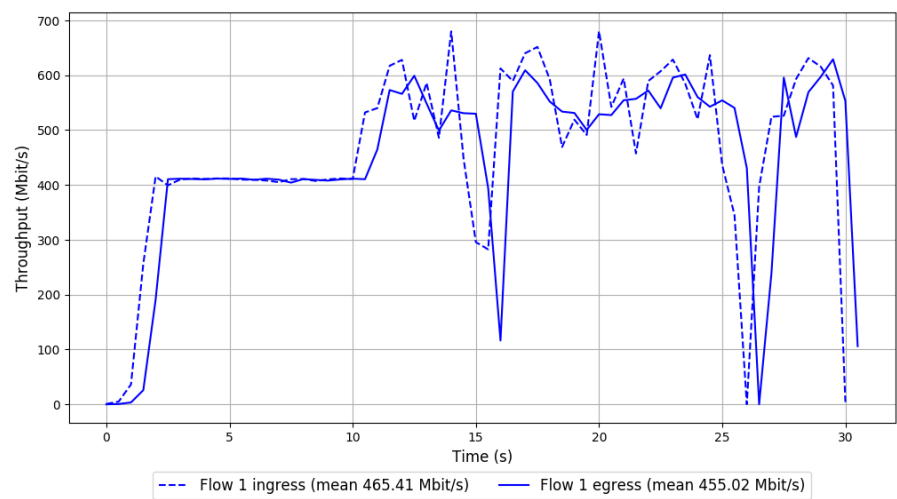
-- Flow 1:

Average throughput: 455.02 Mbit/s

95th percentile per-packet one-way delay: 174.065 ms

Loss rate: 2.23%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-08-09 20:49:42

End at: 2018-08-09 20:50:12

Local clock offset: 0.022 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2018-08-10 00:22:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 501.59 Mbit/s

95th percentile per-packet one-way delay: 177.827 ms

Loss rate: 2.80%

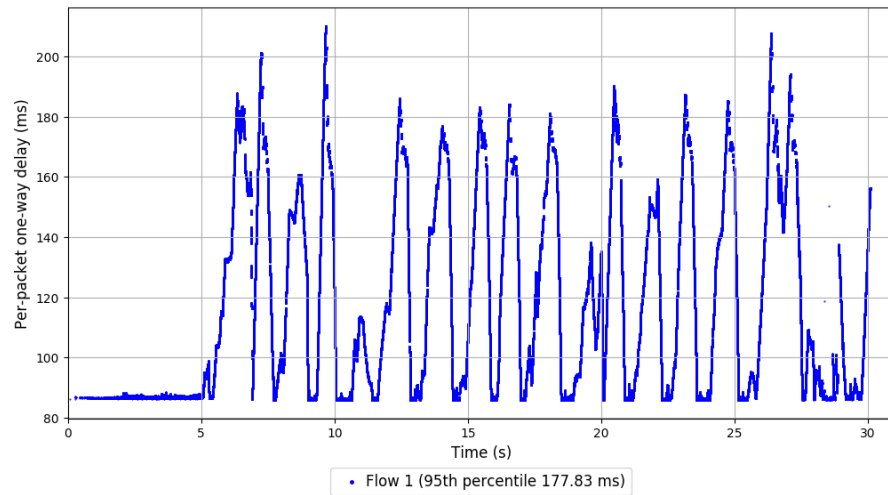
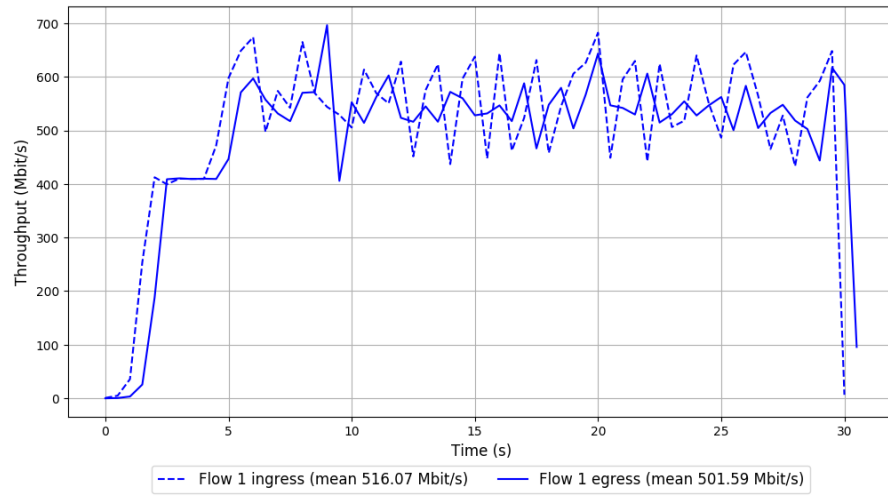
-- Flow 1:

Average throughput: 501.59 Mbit/s

95th percentile per-packet one-way delay: 177.827 ms

Loss rate: 2.80%

Run 2: Report of TCP BBR — Data Link

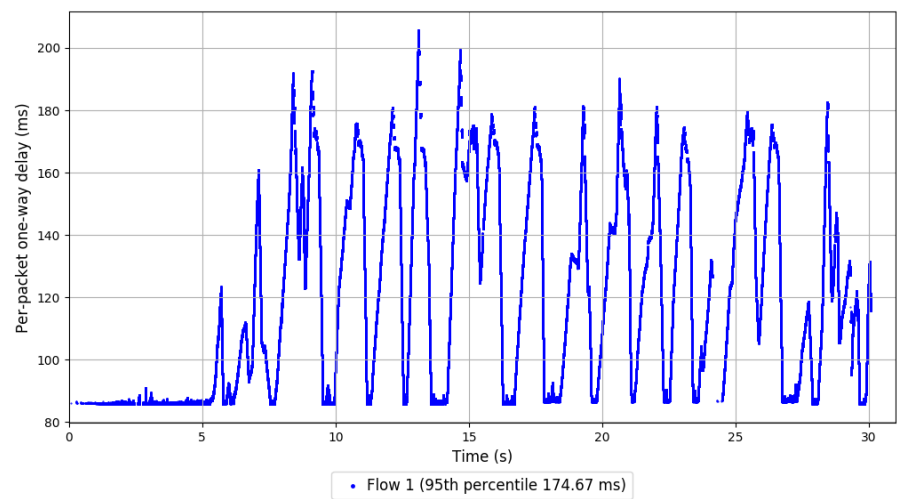
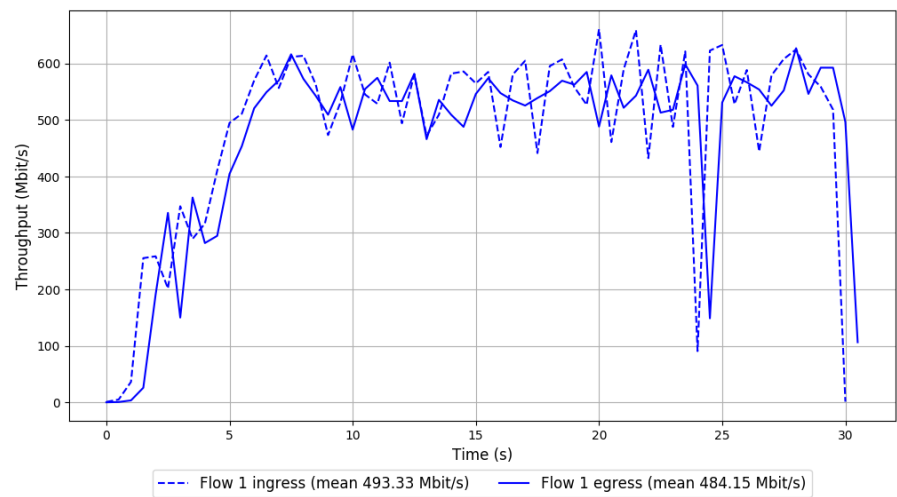


Run 3: Statistics of TCP BBR

Start at: 2018-08-09 21:13:01
End at: 2018-08-09 21:13:31
Local clock offset: -0.038 ms
Remote clock offset: -0.356 ms

Below is generated by plot.py at 2018-08-10 00:22:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 484.15 Mbit/s
95th percentile per-packet one-way delay: 174.669 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 484.15 Mbit/s
95th percentile per-packet one-way delay: 174.669 ms
Loss rate: 1.86%

Run 3: Report of TCP BBR — Data Link

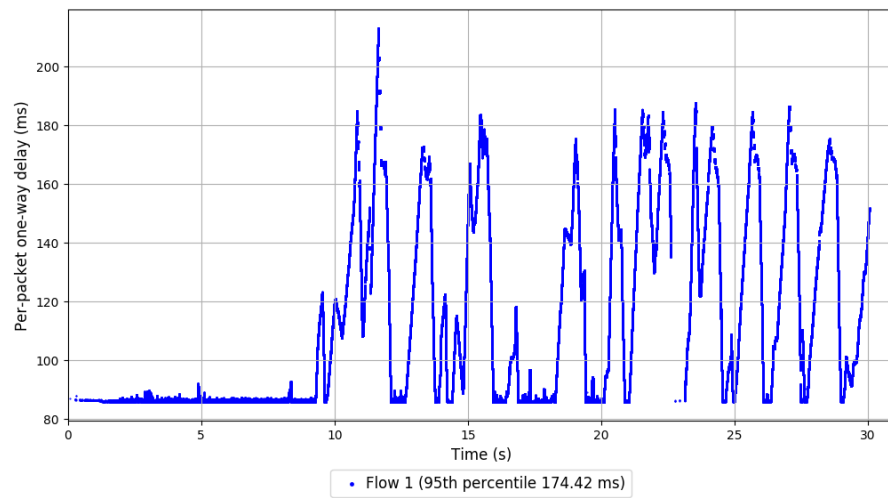
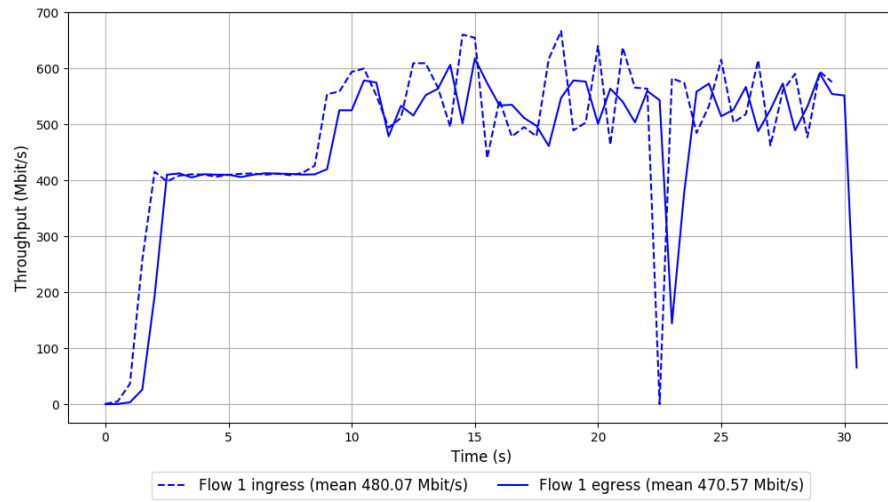


Run 4: Statistics of TCP BBR

Start at: 2018-08-09 21:36:17
End at: 2018-08-09 21:36:47
Local clock offset: 0.006 ms
Remote clock offset: -0.432 ms

Below is generated by plot.py at 2018-08-10 00:22:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 470.57 Mbit/s
95th percentile per-packet one-way delay: 174.419 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 470.57 Mbit/s
95th percentile per-packet one-way delay: 174.419 ms
Loss rate: 1.98%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-08-09 21:59:34

End at: 2018-08-09 22:00:04

Local clock offset: -0.041 ms

Remote clock offset: -0.539 ms

Below is generated by plot.py at 2018-08-10 00:22:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 495.13 Mbit/s

95th percentile per-packet one-way delay: 178.476 ms

Loss rate: 3.25%

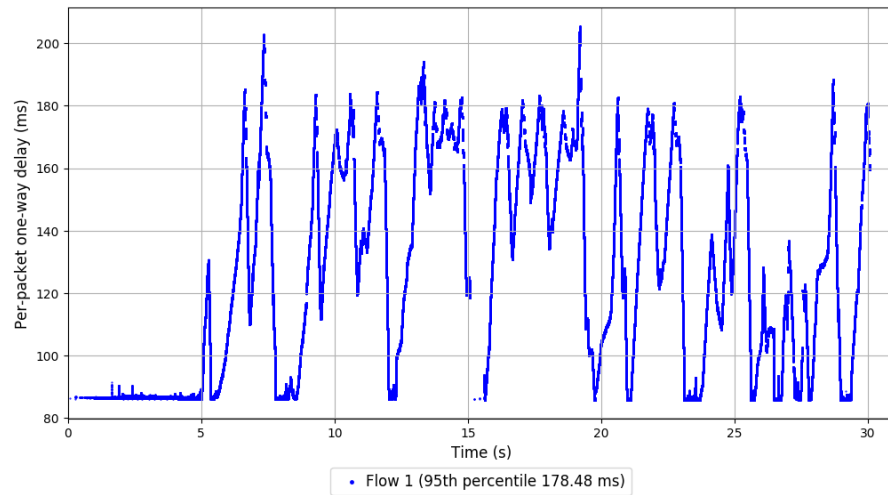
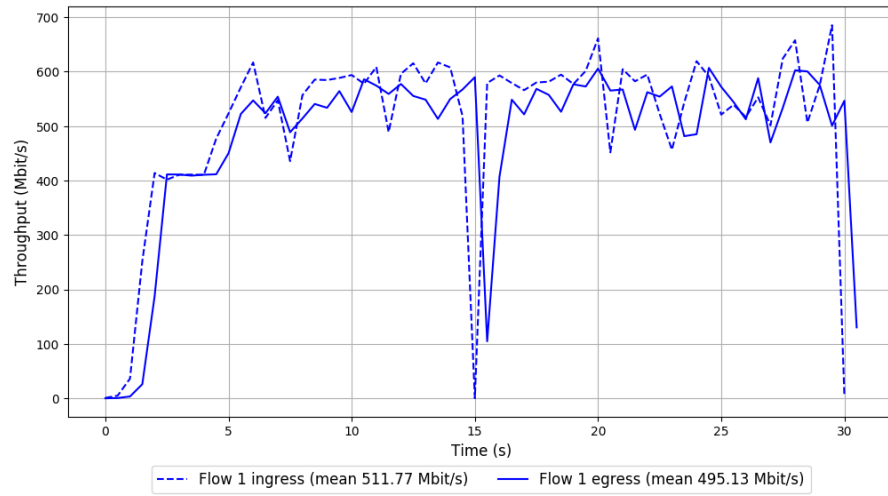
-- Flow 1:

Average throughput: 495.13 Mbit/s

95th percentile per-packet one-way delay: 178.476 ms

Loss rate: 3.25%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-08-09 22:22:48

End at: 2018-08-09 22:23:18

Local clock offset: -0.37 ms

Remote clock offset: 0.128 ms

Below is generated by plot.py at 2018-08-10 00:22:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 516.08 Mbit/s

95th percentile per-packet one-way delay: 175.628 ms

Loss rate: 2.15%

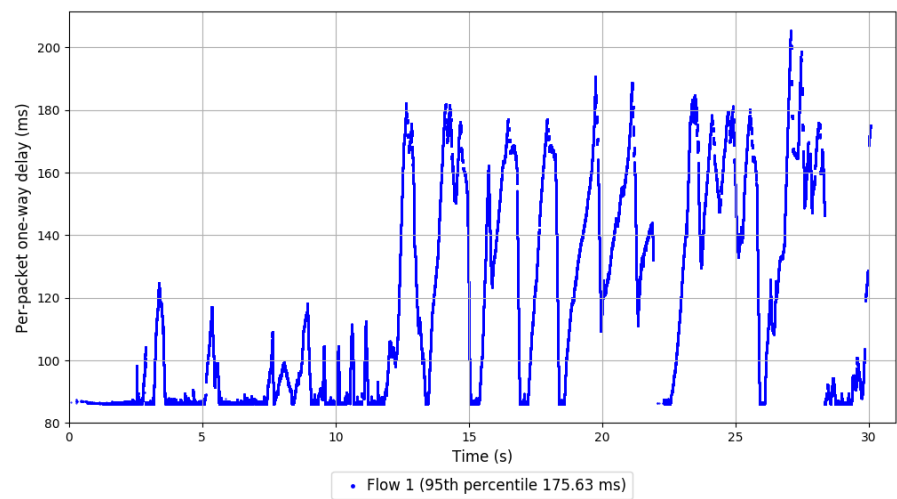
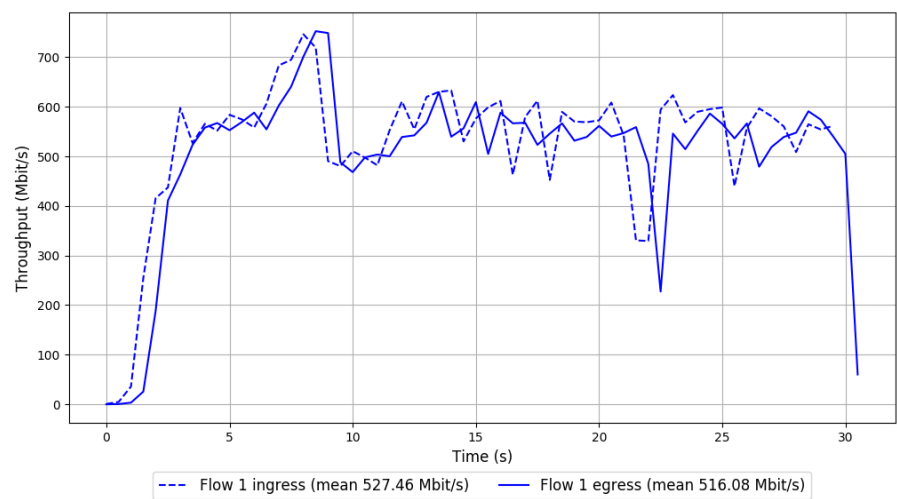
-- Flow 1:

Average throughput: 516.08 Mbit/s

95th percentile per-packet one-way delay: 175.628 ms

Loss rate: 2.15%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-08-09 22:46:12

End at: 2018-08-09 22:46:42

Local clock offset: -0.165 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-08-10 00:22:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 492.62 Mbit/s

95th percentile per-packet one-way delay: 176.928 ms

Loss rate: 2.54%

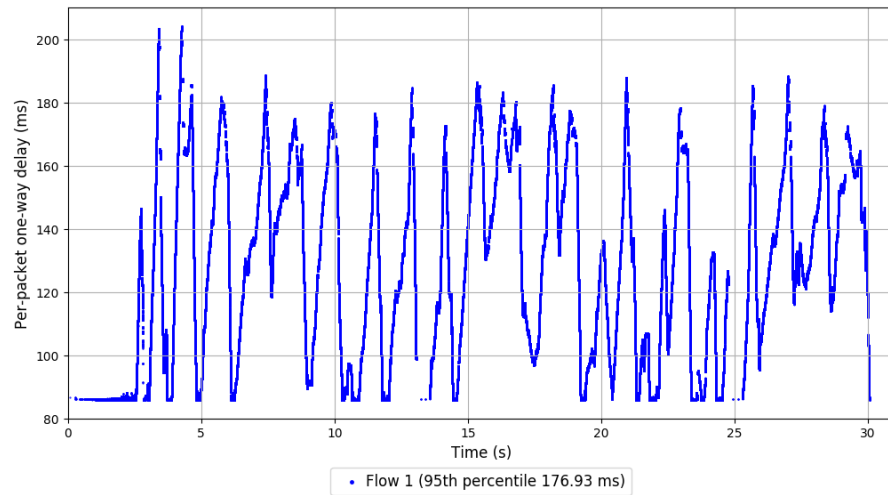
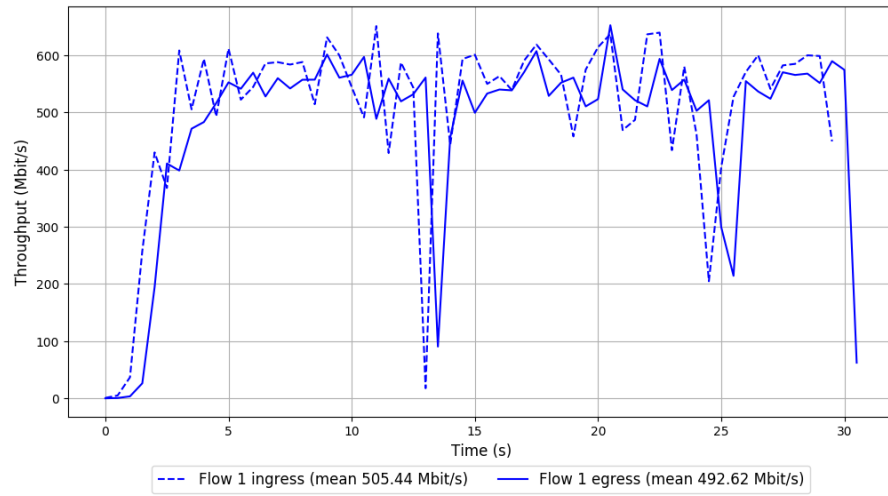
-- Flow 1:

Average throughput: 492.62 Mbit/s

95th percentile per-packet one-way delay: 176.928 ms

Loss rate: 2.54%

Run 7: Report of TCP BBR — Data Link

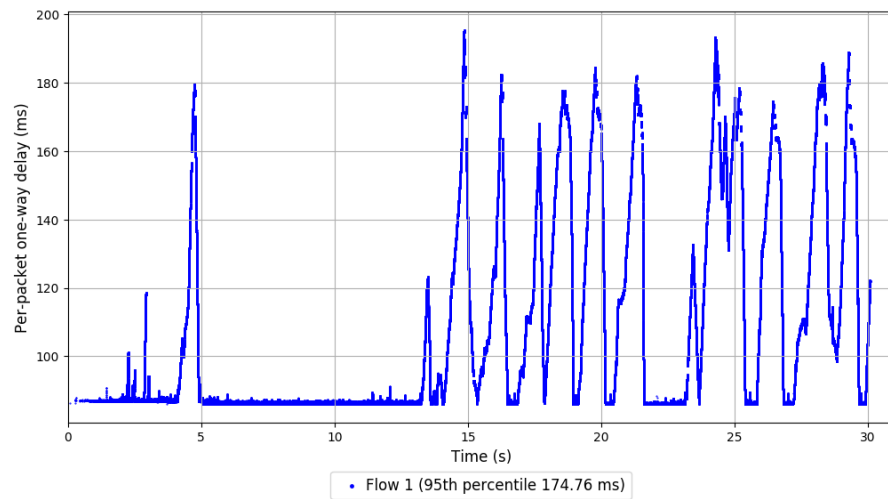
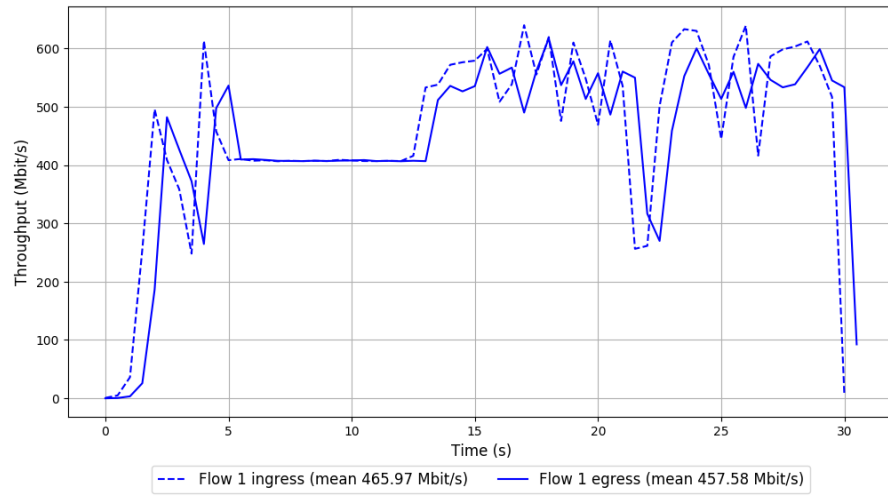


Run 8: Statistics of TCP BBR

Start at: 2018-08-09 23:09:13
End at: 2018-08-09 23:09:43
Local clock offset: -0.315 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-08-10 00:22:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 457.58 Mbit/s
95th percentile per-packet one-way delay: 174.757 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 457.58 Mbit/s
95th percentile per-packet one-way delay: 174.757 ms
Loss rate: 1.80%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-08-09 23:32:22

End at: 2018-08-09 23:32:52

Local clock offset: 0.146 ms

Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-08-10 00:29:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 489.56 Mbit/s

95th percentile per-packet one-way delay: 177.437 ms

Loss rate: 2.60%

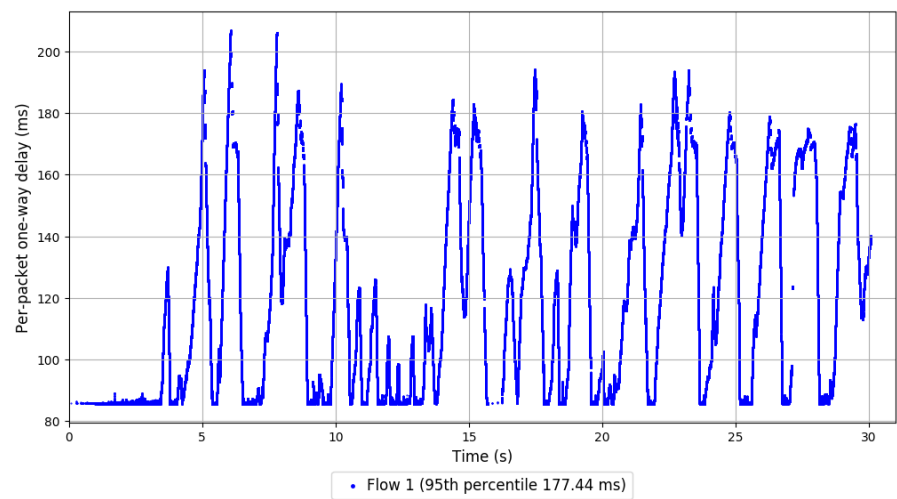
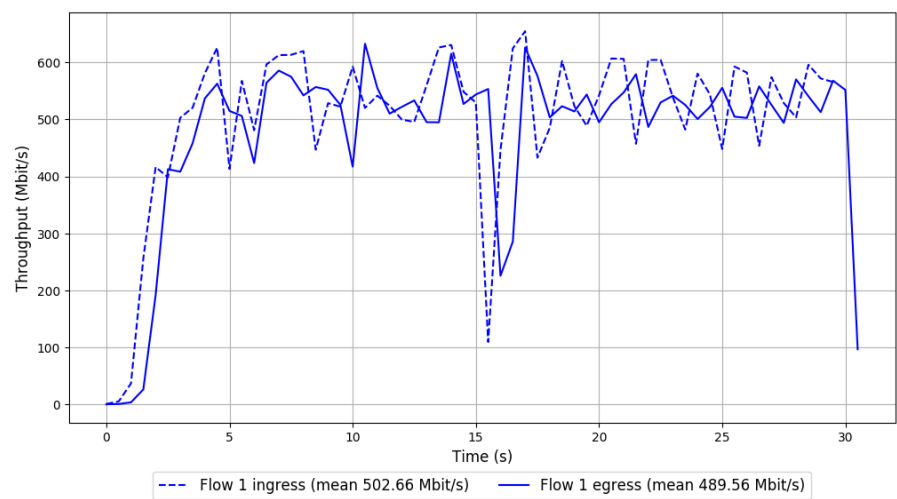
-- Flow 1:

Average throughput: 489.56 Mbit/s

95th percentile per-packet one-way delay: 177.437 ms

Loss rate: 2.60%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-08-09 23:55:26

End at: 2018-08-09 23:55:56

Local clock offset: 0.067 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-08-10 00:30:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 499.73 Mbit/s

95th percentile per-packet one-way delay: 175.933 ms

Loss rate: 2.59%

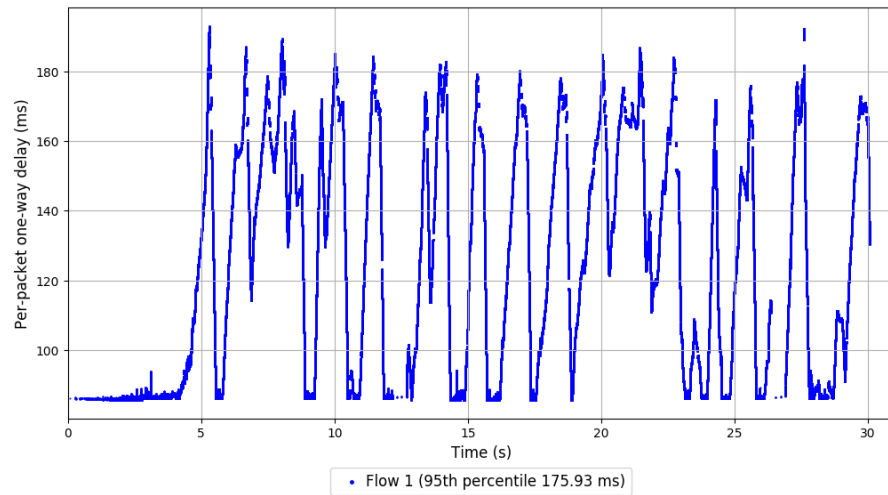
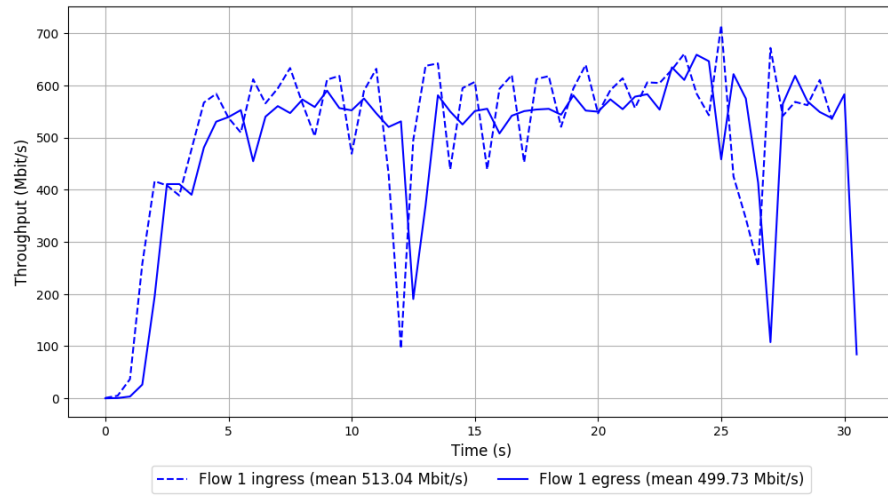
-- Flow 1:

Average throughput: 499.73 Mbit/s

95th percentile per-packet one-way delay: 175.933 ms

Loss rate: 2.59%

Run 10: Report of TCP BBR — Data Link

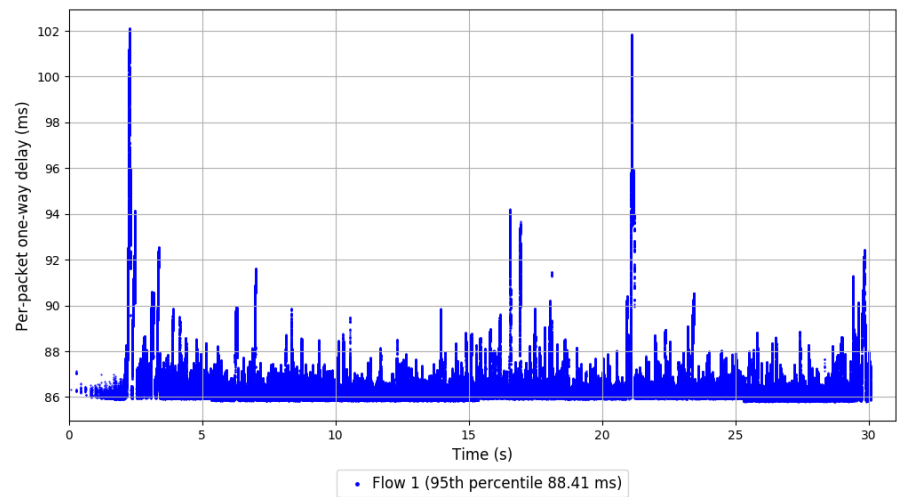
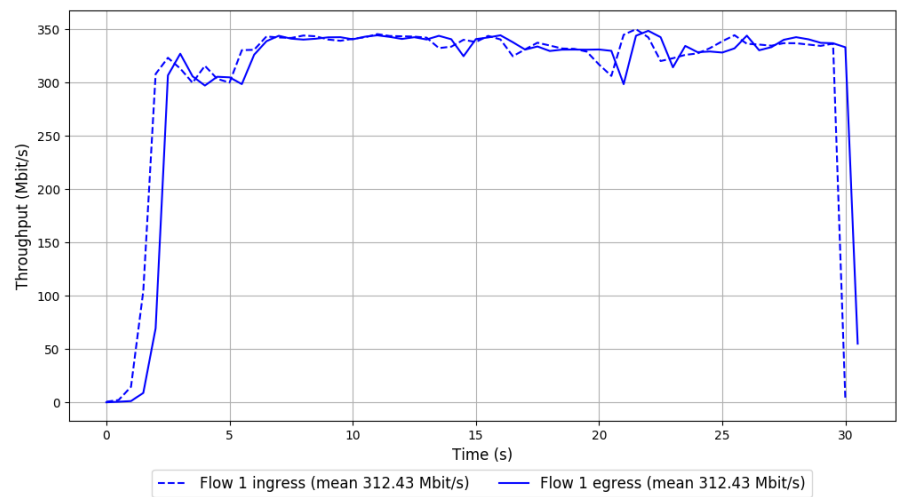


Run 1: Statistics of Copa

Start at: 2018-08-09 20:18:03
End at: 2018-08-09 20:18:33
Local clock offset: -0.04 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2018-08-10 00:31:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 312.43 Mbit/s
95th percentile per-packet one-way delay: 88.411 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 312.43 Mbit/s
95th percentile per-packet one-way delay: 88.411 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

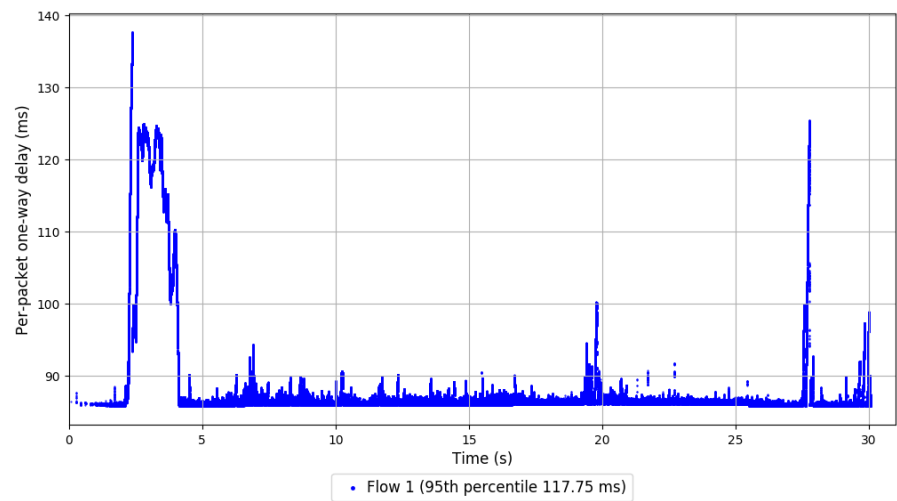
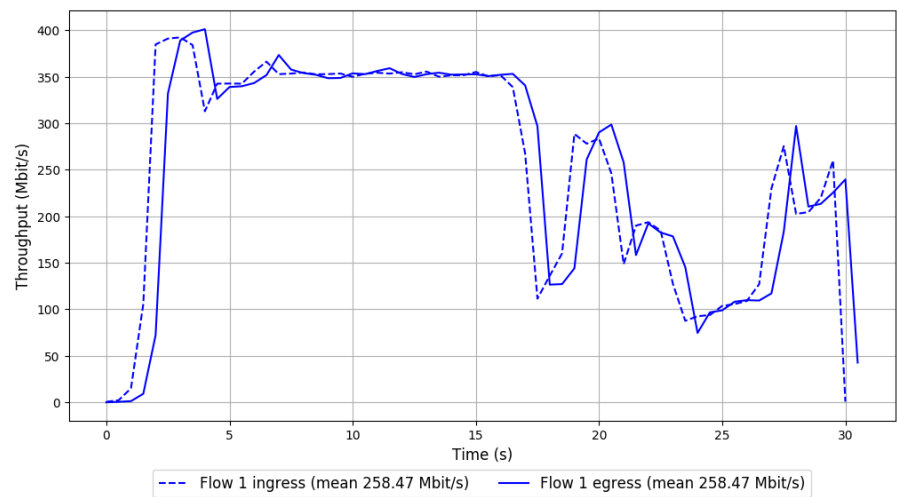


Run 2: Statistics of Copa

Start at: 2018-08-09 20:41:02
End at: 2018-08-09 20:41:32
Local clock offset: 0.06 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-08-10 00:31:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 258.47 Mbit/s
95th percentile per-packet one-way delay: 117.755 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 258.47 Mbit/s
95th percentile per-packet one-way delay: 117.755 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

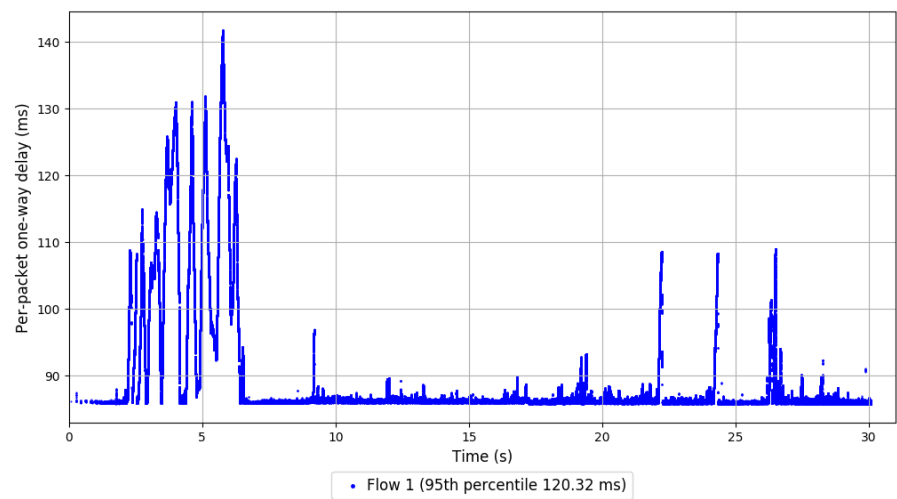
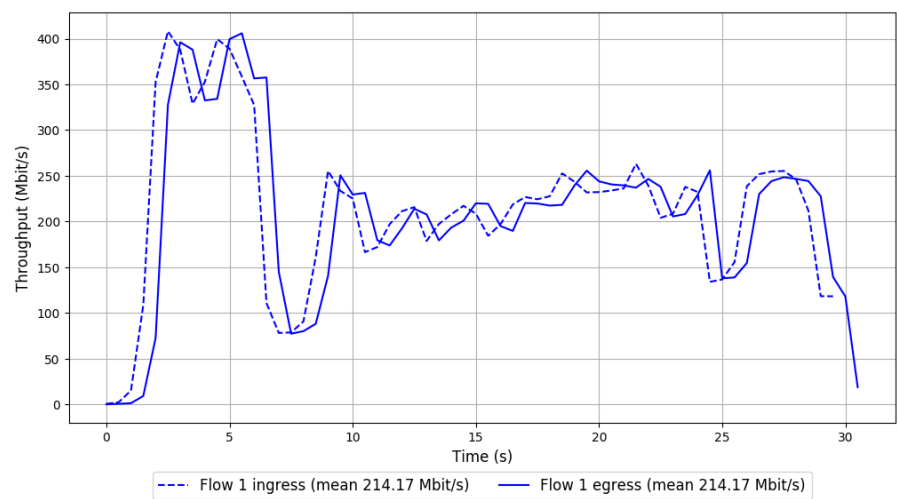


Run 3: Statistics of Copa

Start at: 2018-08-09 21:04:21
End at: 2018-08-09 21:04:51
Local clock offset: -0.022 ms
Remote clock offset: -0.259 ms

Below is generated by plot.py at 2018-08-10 00:31:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 214.17 Mbit/s
95th percentile per-packet one-way delay: 120.323 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 214.17 Mbit/s
95th percentile per-packet one-way delay: 120.323 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

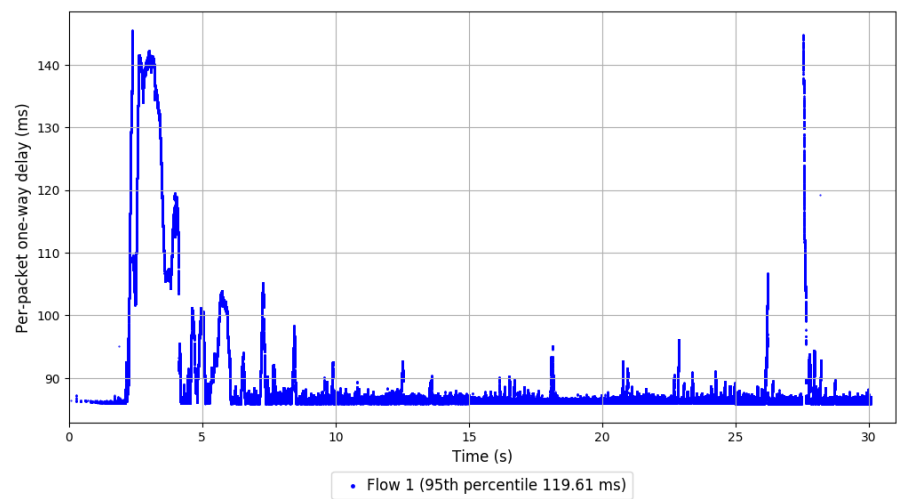
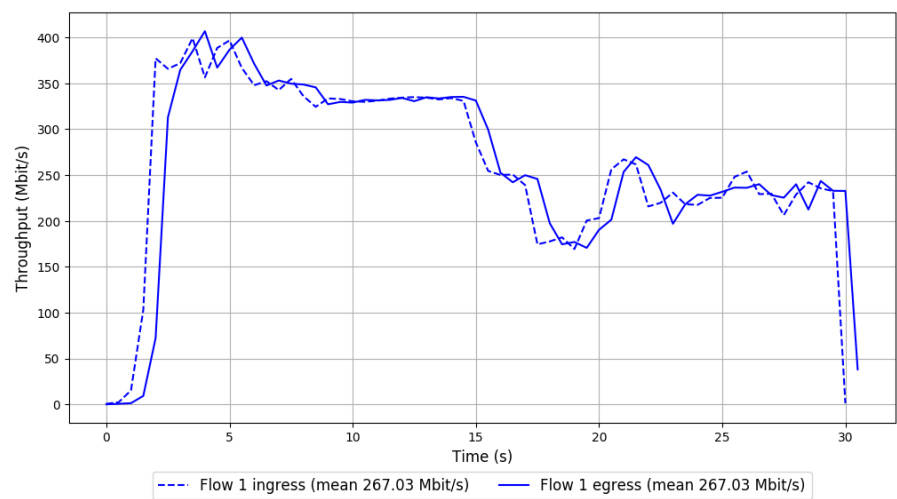


Run 4: Statistics of Copa

Start at: 2018-08-09 21:27:43
End at: 2018-08-09 21:28:13
Local clock offset: -0.124 ms
Remote clock offset: -0.361 ms

Below is generated by plot.py at 2018-08-10 00:31:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 267.03 Mbit/s
95th percentile per-packet one-way delay: 119.605 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 267.03 Mbit/s
95th percentile per-packet one-way delay: 119.605 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

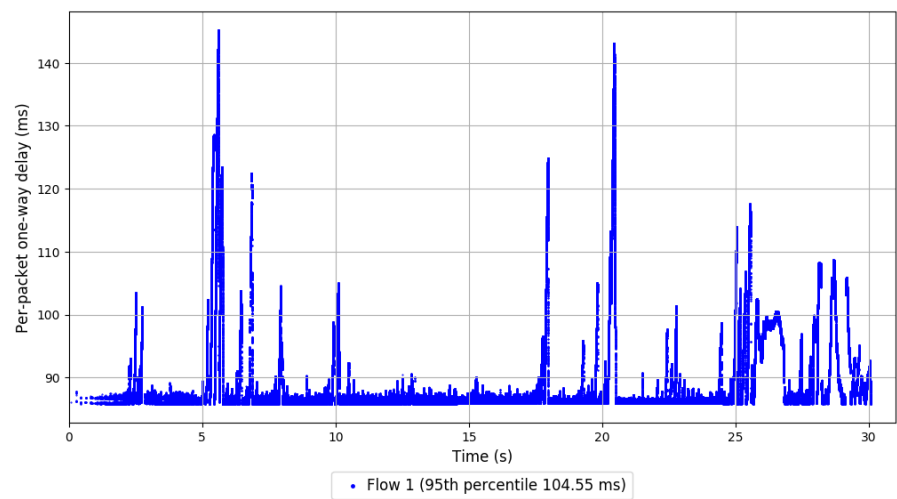
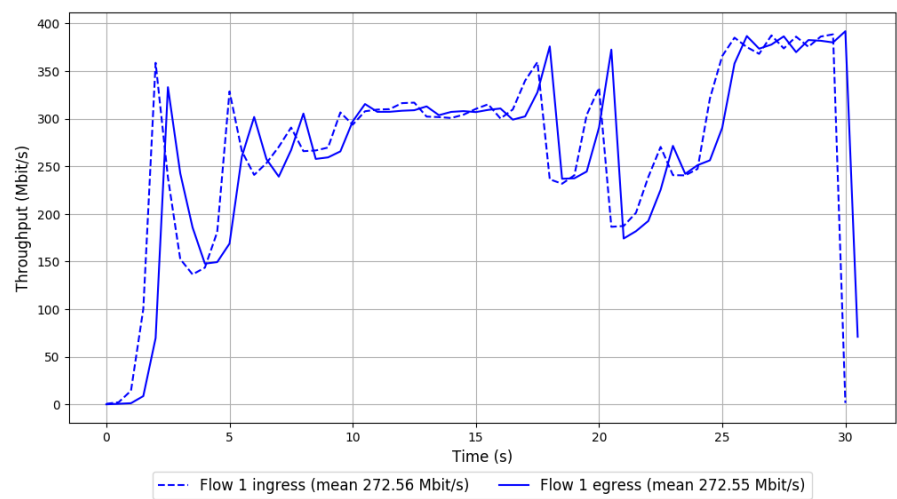


Run 5: Statistics of Copa

Start at: 2018-08-09 21:50:54
End at: 2018-08-09 21:51:24
Local clock offset: -0.09 ms
Remote clock offset: -0.475 ms

Below is generated by plot.py at 2018-08-10 00:31:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 272.55 Mbit/s
95th percentile per-packet one-way delay: 104.554 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 272.55 Mbit/s
95th percentile per-packet one-way delay: 104.554 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-08-09 22:14:06

End at: 2018-08-09 22:14:36

Local clock offset: -0.126 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-08-10 00:31:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 289.30 Mbit/s

95th percentile per-packet one-way delay: 116.016 ms

Loss rate: 0.00%

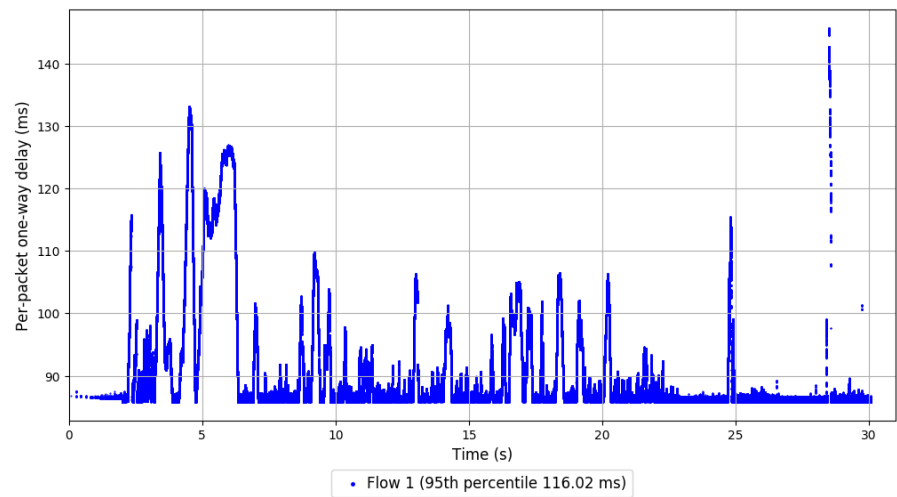
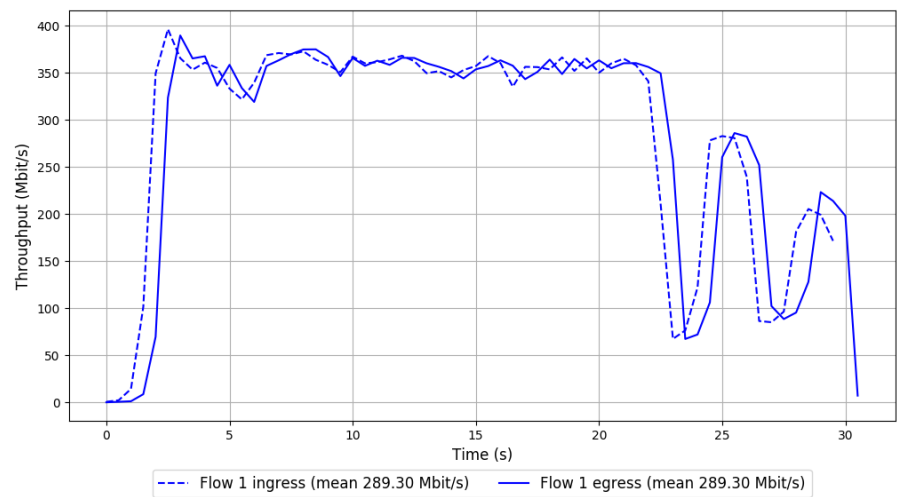
-- Flow 1:

Average throughput: 289.30 Mbit/s

95th percentile per-packet one-way delay: 116.016 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-08-09 22:37:24

End at: 2018-08-09 22:37:54

Local clock offset: -0.046 ms

Remote clock offset: 0.109 ms

Below is generated by plot.py at 2018-08-10 00:36:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 252.94 Mbit/s

95th percentile per-packet one-way delay: 90.154 ms

Loss rate: 0.00%

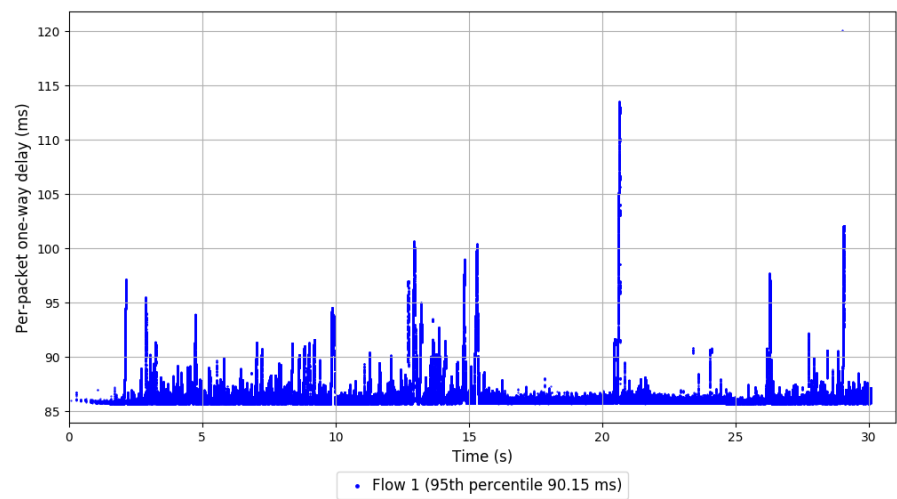
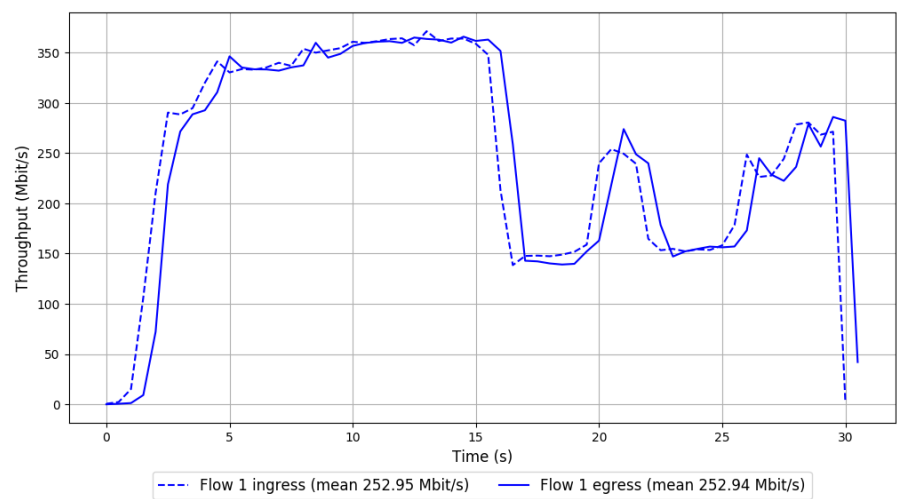
-- Flow 1:

Average throughput: 252.94 Mbit/s

95th percentile per-packet one-way delay: 90.154 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link

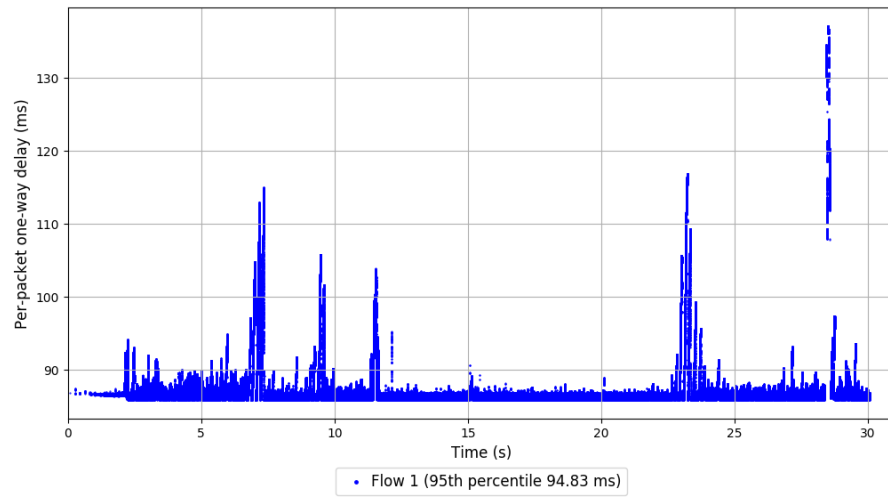
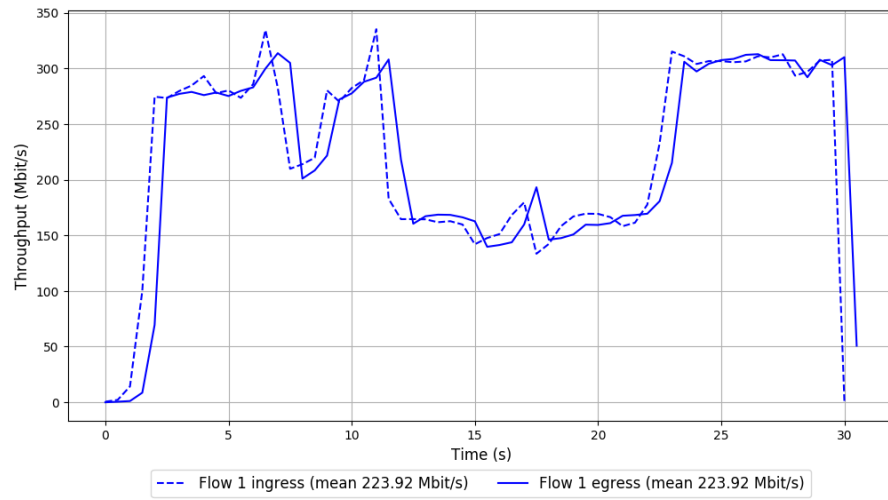


Run 8: Statistics of Copa

Start at: 2018-08-09 23:00:46
End at: 2018-08-09 23:01:16
Local clock offset: -0.292 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-08-10 00:36:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 223.92 Mbit/s
95th percentile per-packet one-way delay: 94.828 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 223.92 Mbit/s
95th percentile per-packet one-way delay: 94.828 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

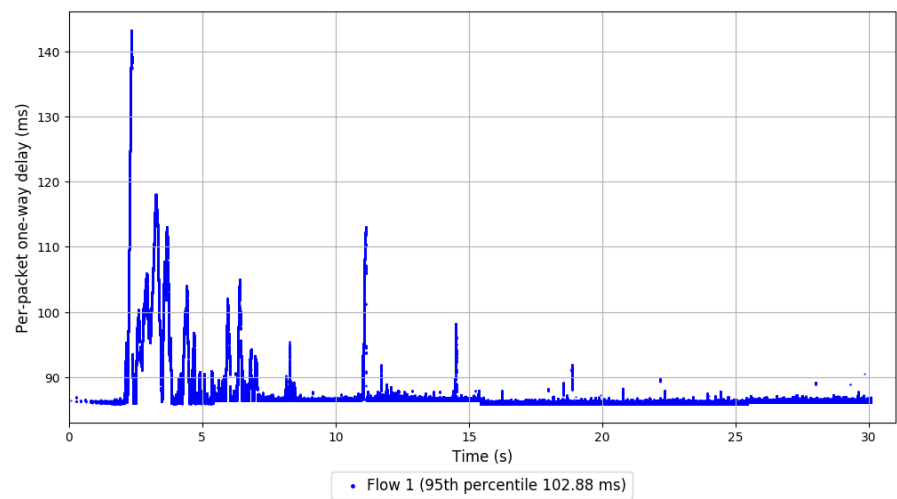
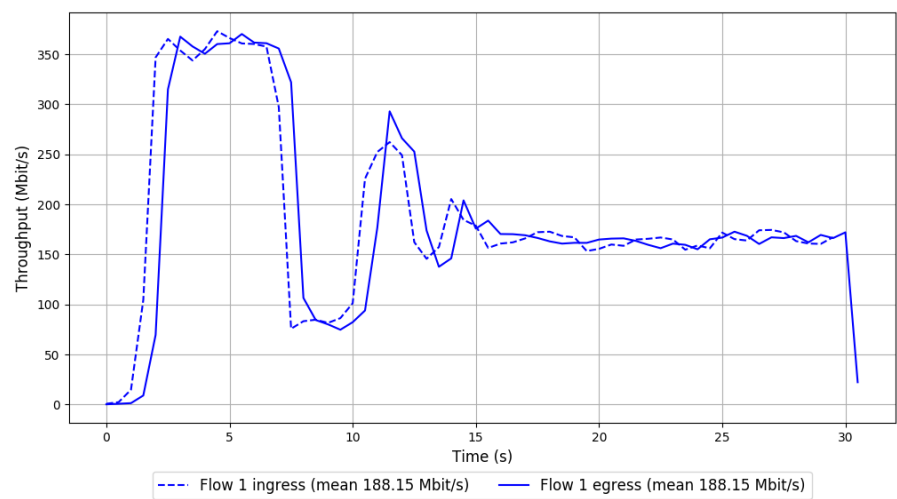


Run 9: Statistics of Copa

Start at: 2018-08-09 23:23:53
End at: 2018-08-09 23:24:23
Local clock offset: -0.205 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-08-10 00:36:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 188.15 Mbit/s
95th percentile per-packet one-way delay: 102.883 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 188.15 Mbit/s
95th percentile per-packet one-way delay: 102.883 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

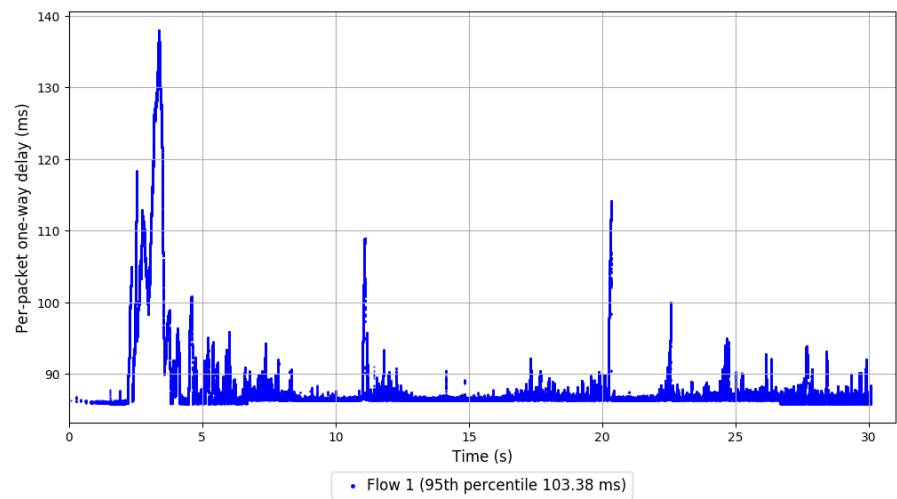
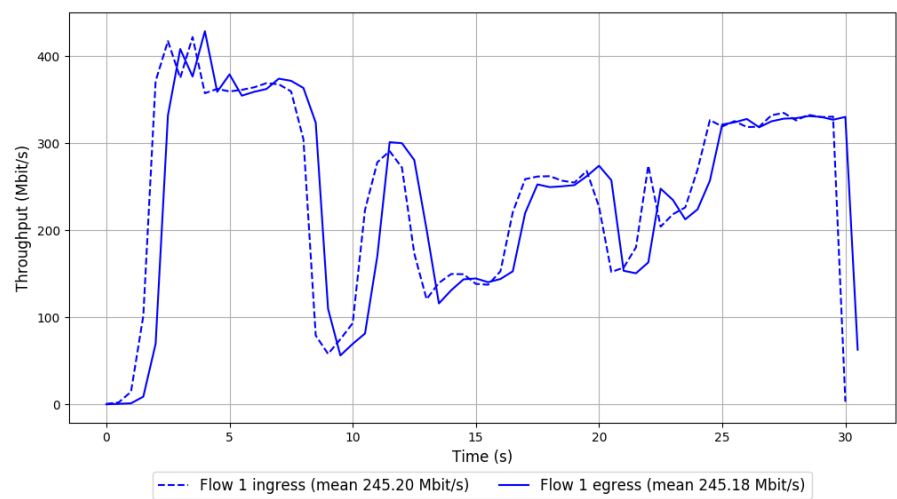


Run 10: Statistics of Copa

Start at: 2018-08-09 23:46:52
End at: 2018-08-09 23:47:22
Local clock offset: -0.109 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-08-10 00:37:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 245.18 Mbit/s
95th percentile per-packet one-way delay: 103.384 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 245.18 Mbit/s
95th percentile per-packet one-way delay: 103.384 ms
Loss rate: 0.01%

Run 10: Report of Copa — Data Link

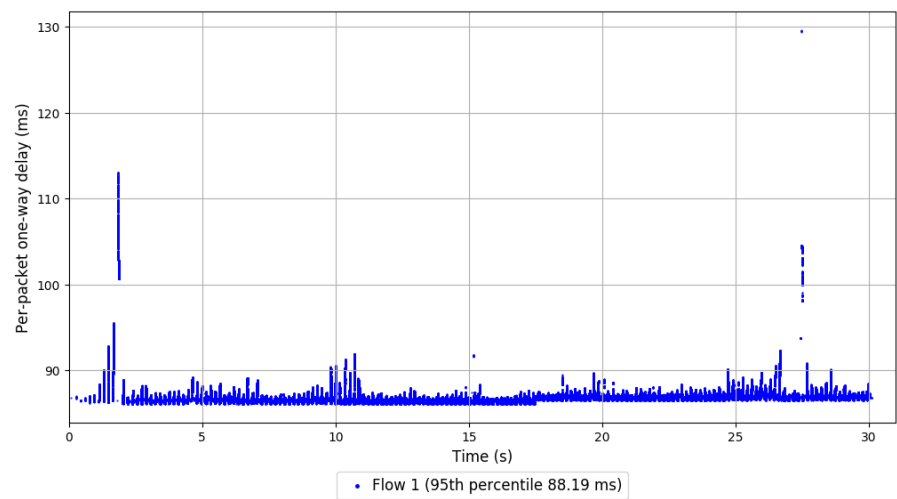
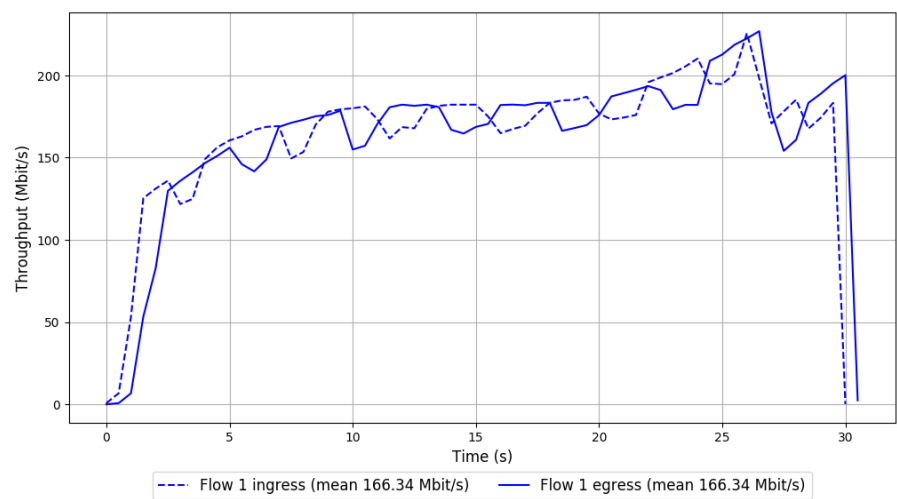


Run 1: Statistics of TCP Cubic

Start at: 2018-08-09 20:14:21
End at: 2018-08-09 20:14:51
Local clock offset: -0.31 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2018-08-10 00:37:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 166.34 Mbit/s
95th percentile per-packet one-way delay: 88.189 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 166.34 Mbit/s
95th percentile per-packet one-way delay: 88.189 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

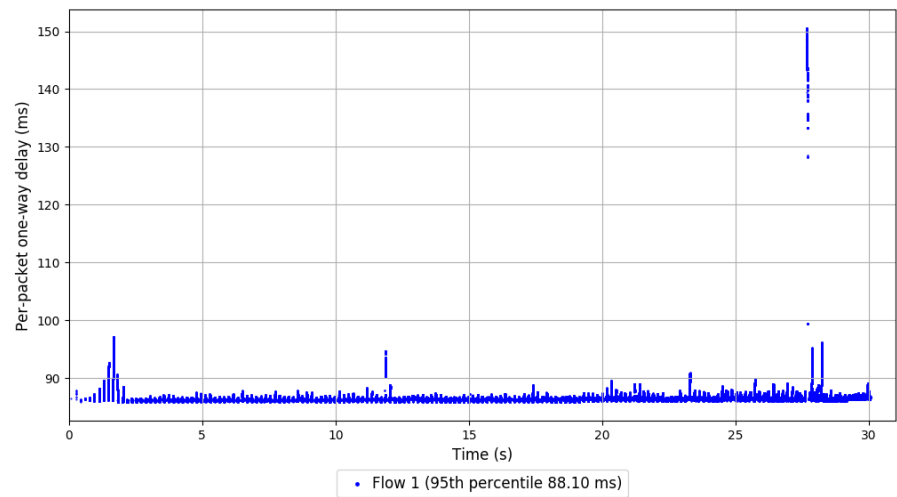
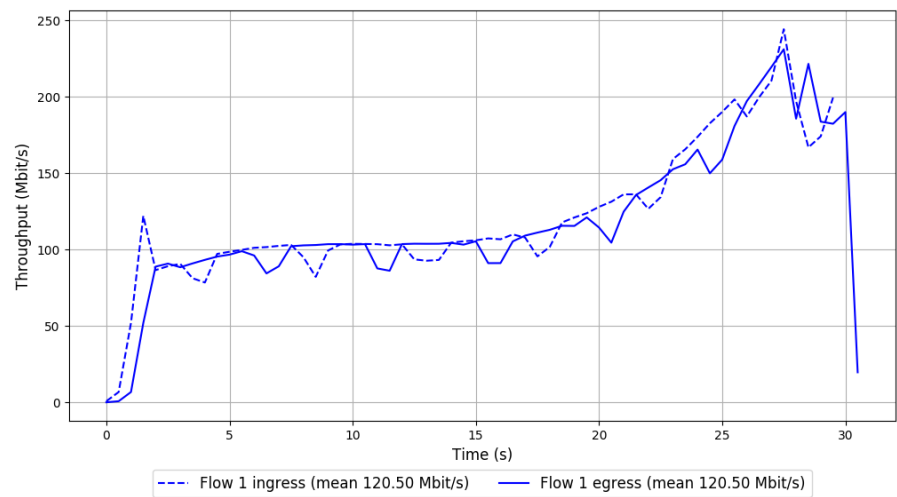


Run 2: Statistics of TCP Cubic

Start at: 2018-08-09 20:37:19
End at: 2018-08-09 20:37:49
Local clock offset: 0.063 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-08-10 00:37:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 120.50 Mbit/s
95th percentile per-packet one-way delay: 88.104 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 120.50 Mbit/s
95th percentile per-packet one-way delay: 88.104 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

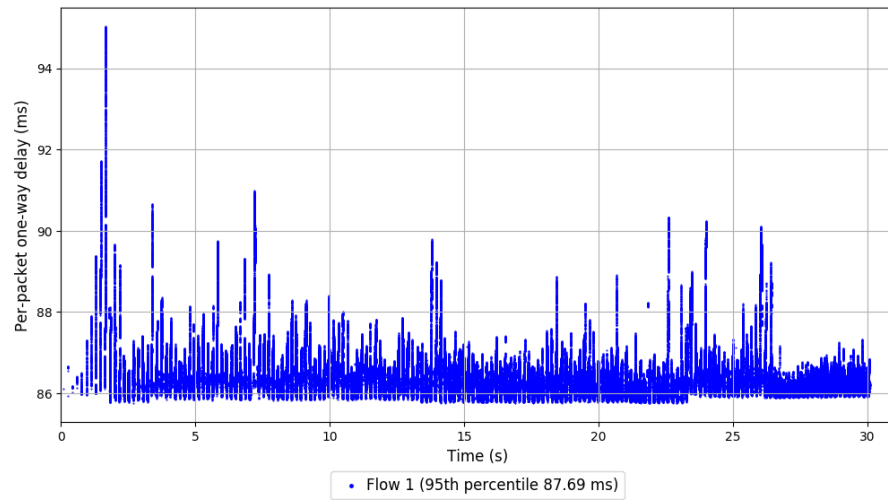
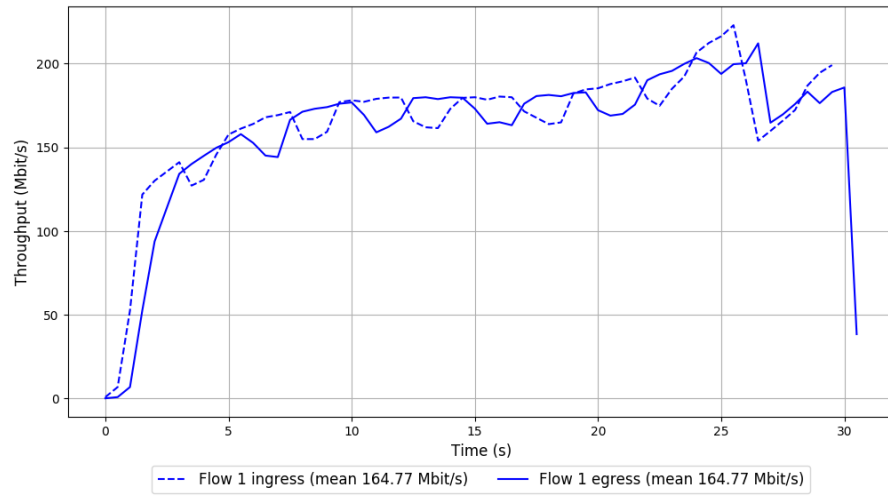


Run 3: Statistics of TCP Cubic

Start at: 2018-08-09 21:00:35
End at: 2018-08-09 21:01:05
Local clock offset: -0.057 ms
Remote clock offset: -0.265 ms

Below is generated by plot.py at 2018-08-10 00:37:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 164.77 Mbit/s
95th percentile per-packet one-way delay: 87.691 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 164.77 Mbit/s
95th percentile per-packet one-way delay: 87.691 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link

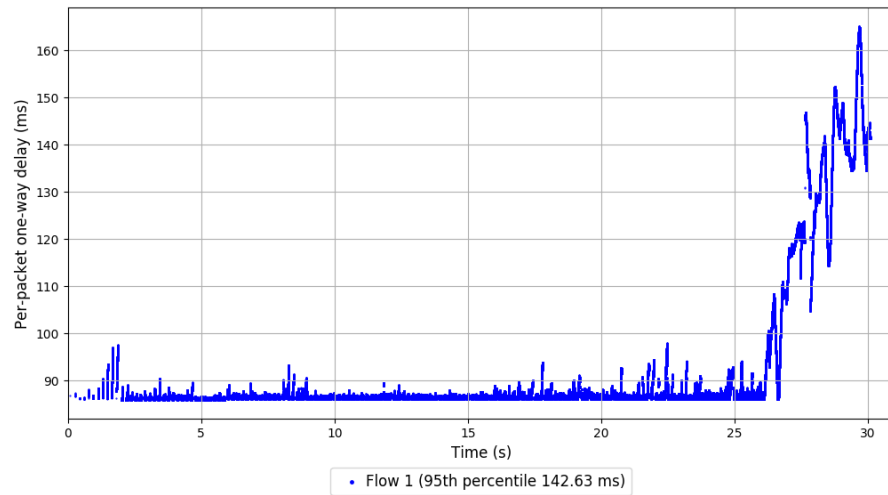
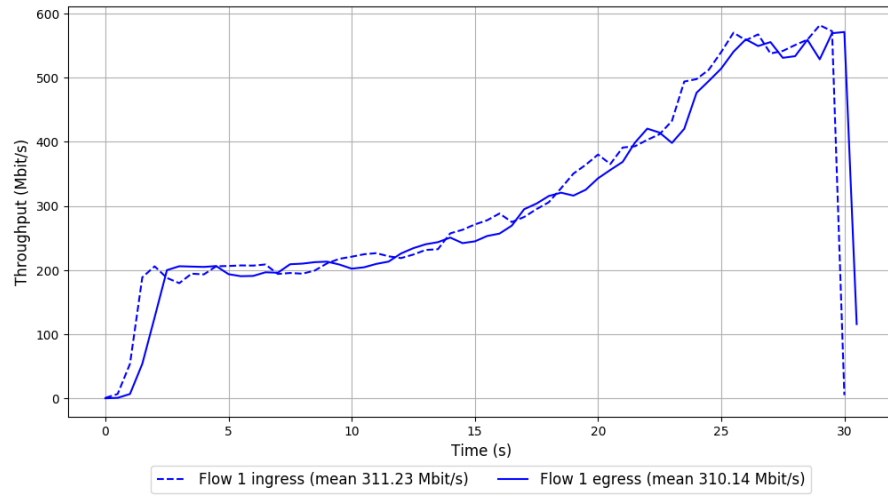


Run 4: Statistics of TCP Cubic

Start at: 2018-08-09 21:23:53
End at: 2018-08-09 21:24:23
Local clock offset: -0.103 ms
Remote clock offset: -0.329 ms

Below is generated by plot.py at 2018-08-10 00:37:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 310.14 Mbit/s
95th percentile per-packet one-way delay: 142.635 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 310.14 Mbit/s
95th percentile per-packet one-way delay: 142.635 ms
Loss rate: 0.35%

Run 4: Report of TCP Cubic — Data Link

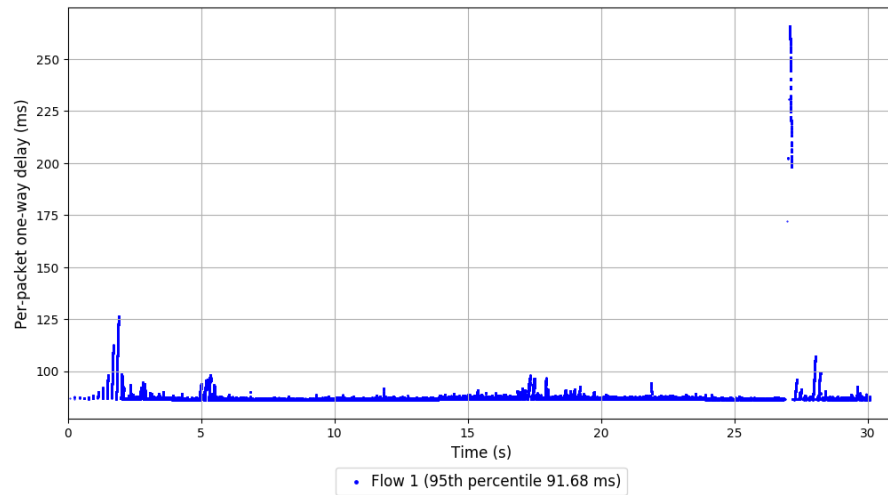
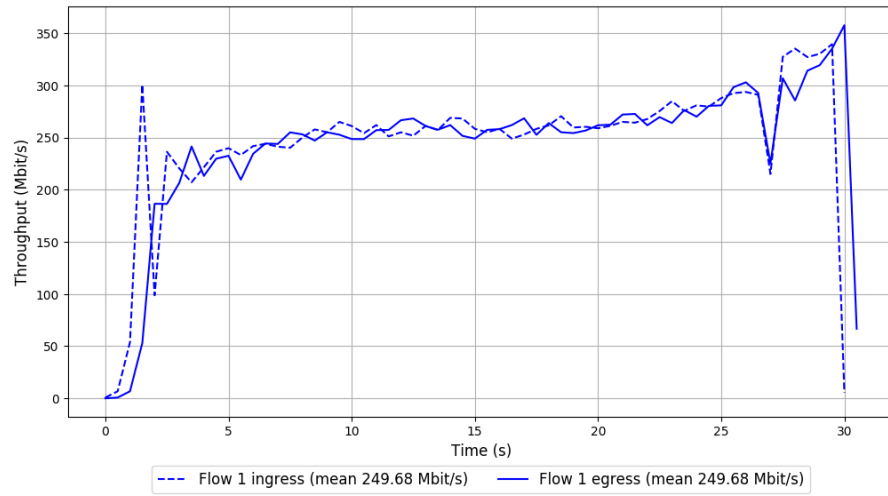


Run 5: Statistics of TCP Cubic

Start at: 2018-08-09 21:47:05
End at: 2018-08-09 21:47:35
Local clock offset: -0.255 ms
Remote clock offset: -0.469 ms

Below is generated by plot.py at 2018-08-10 00:37:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 249.68 Mbit/s
95th percentile per-packet one-way delay: 91.681 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 249.68 Mbit/s
95th percentile per-packet one-way delay: 91.681 ms
Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link

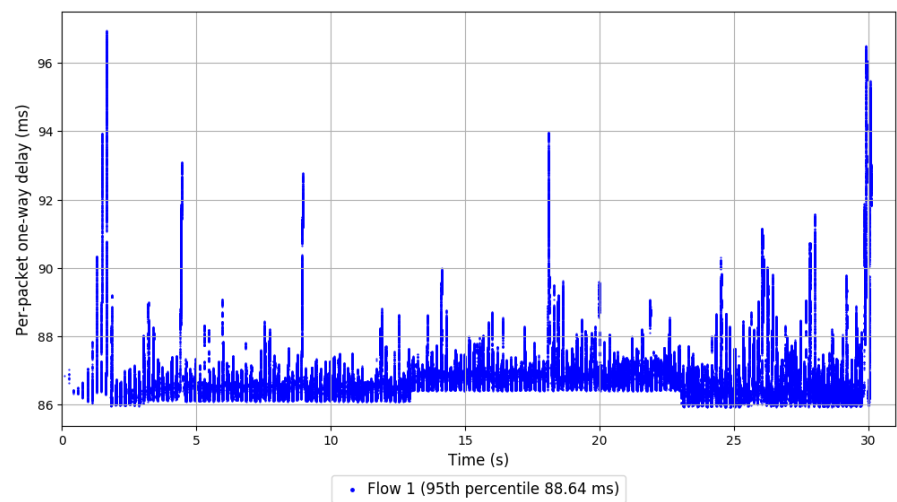
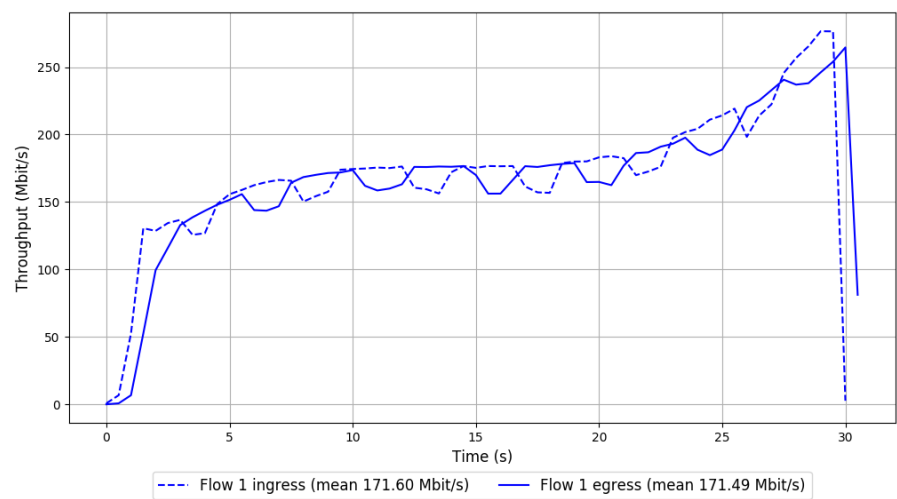


Run 6: Statistics of TCP Cubic

Start at: 2018-08-09 22:10:25
End at: 2018-08-09 22:10:55
Local clock offset: -0.121 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-08-10 00:37:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 171.49 Mbit/s
95th percentile per-packet one-way delay: 88.645 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 171.49 Mbit/s
95th percentile per-packet one-way delay: 88.645 ms
Loss rate: 0.06%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-08-09 22:33:43

End at: 2018-08-09 22:34:13

Local clock offset: -0.19 ms

Remote clock offset: 0.247 ms

Below is generated by plot.py at 2018-08-10 00:37:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 176.06 Mbit/s

95th percentile per-packet one-way delay: 88.351 ms

Loss rate: 0.00%

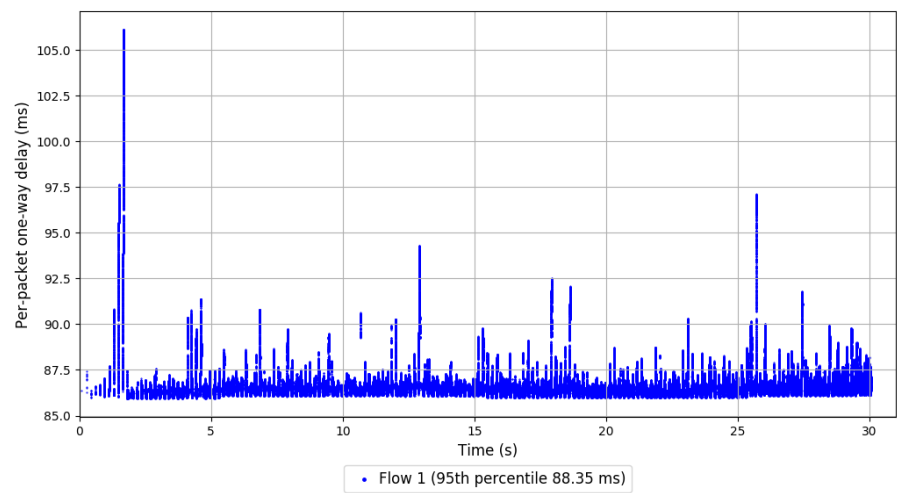
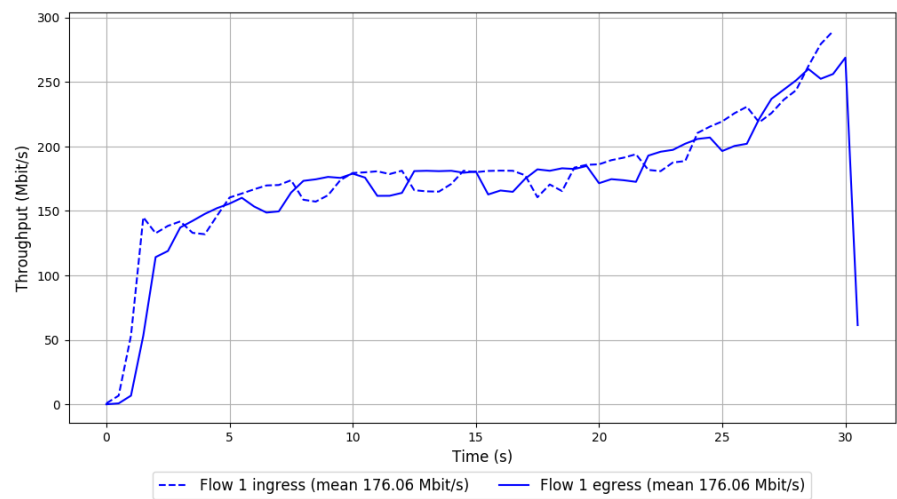
-- Flow 1:

Average throughput: 176.06 Mbit/s

95th percentile per-packet one-way delay: 88.351 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-08-09 22:57:07

End at: 2018-08-09 22:57:37

Local clock offset: -0.196 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-08-10 00:38:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 174.76 Mbit/s

95th percentile per-packet one-way delay: 88.397 ms

Loss rate: 0.00%

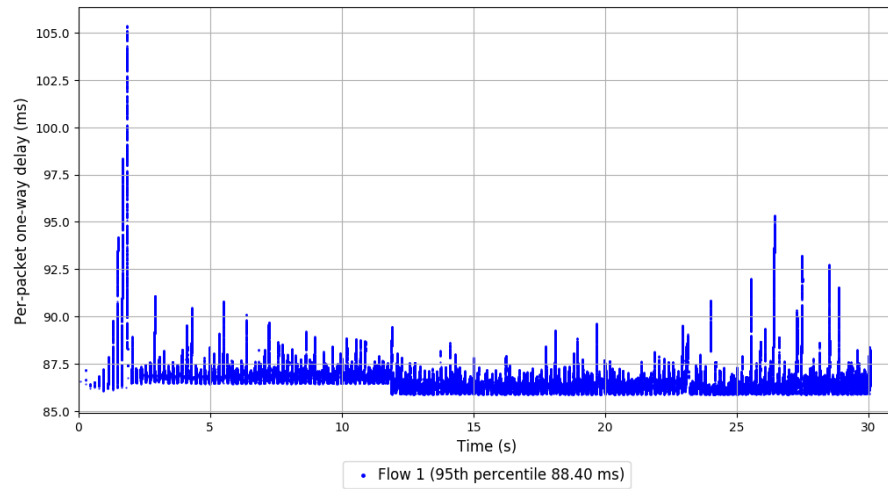
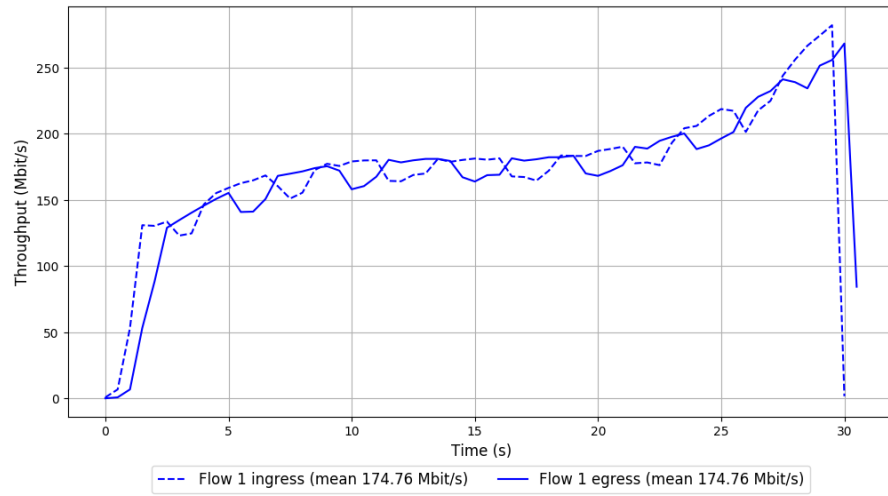
-- Flow 1:

Average throughput: 174.76 Mbit/s

95th percentile per-packet one-way delay: 88.397 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link

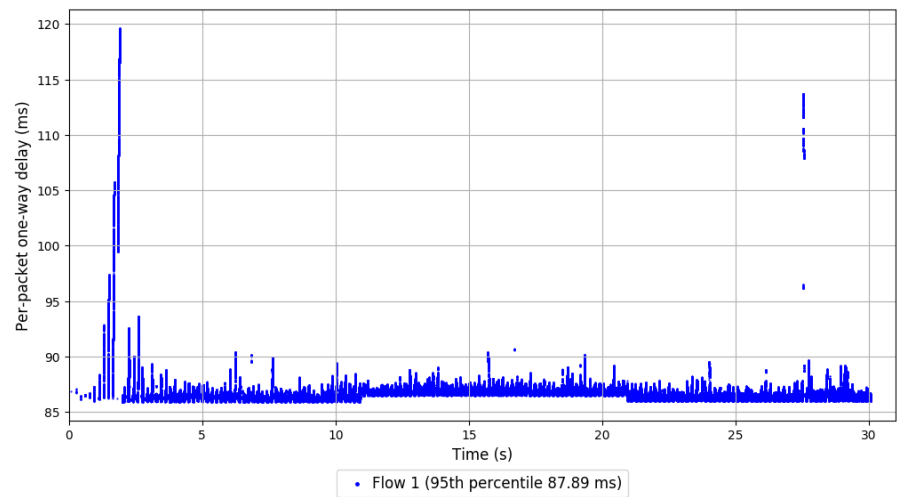
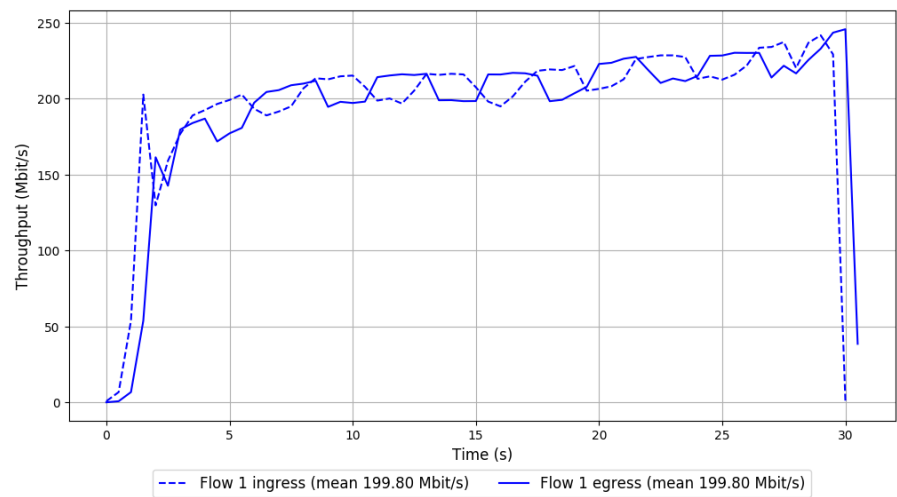


Run 9: Statistics of TCP Cubic

Start at: 2018-08-09 23:20:08
End at: 2018-08-09 23:20:38
Local clock offset: -0.22 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-08-10 00:38:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 199.80 Mbit/s
95th percentile per-packet one-way delay: 87.888 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 199.80 Mbit/s
95th percentile per-packet one-way delay: 87.888 ms
Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-09 23:43:08

End at: 2018-08-09 23:43:38

Local clock offset: -0.222 ms

Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-08-10 00:38:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 165.11 Mbit/s

95th percentile per-packet one-way delay: 88.185 ms

Loss rate: 0.00%

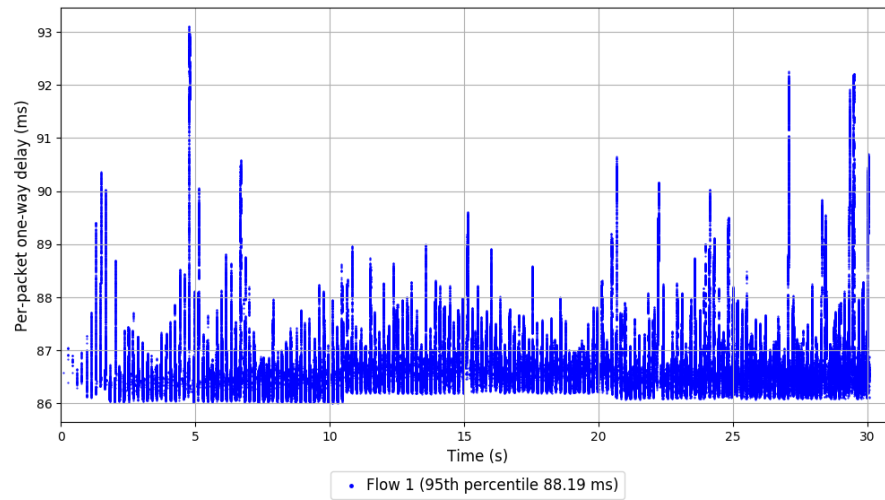
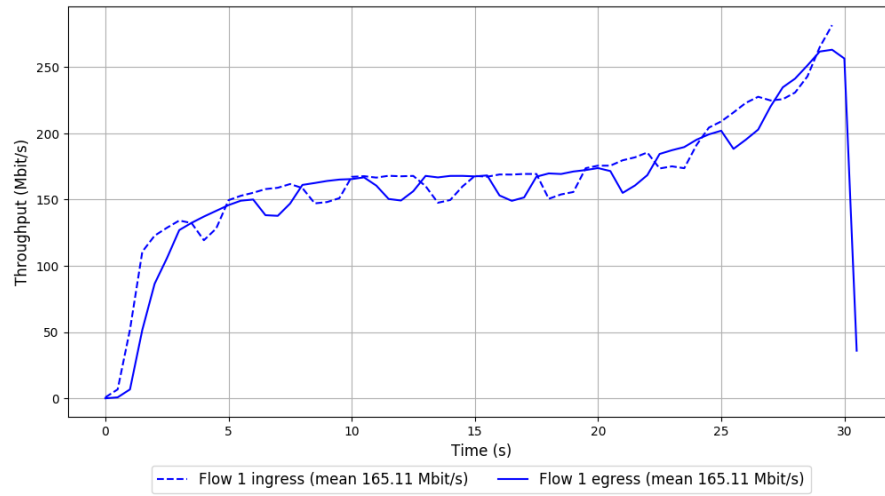
-- Flow 1:

Average throughput: 165.11 Mbit/s

95th percentile per-packet one-way delay: 88.185 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

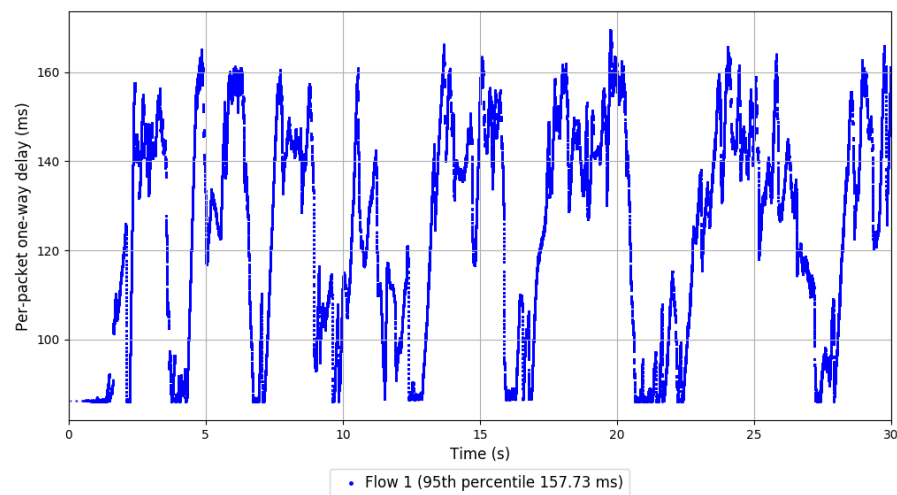
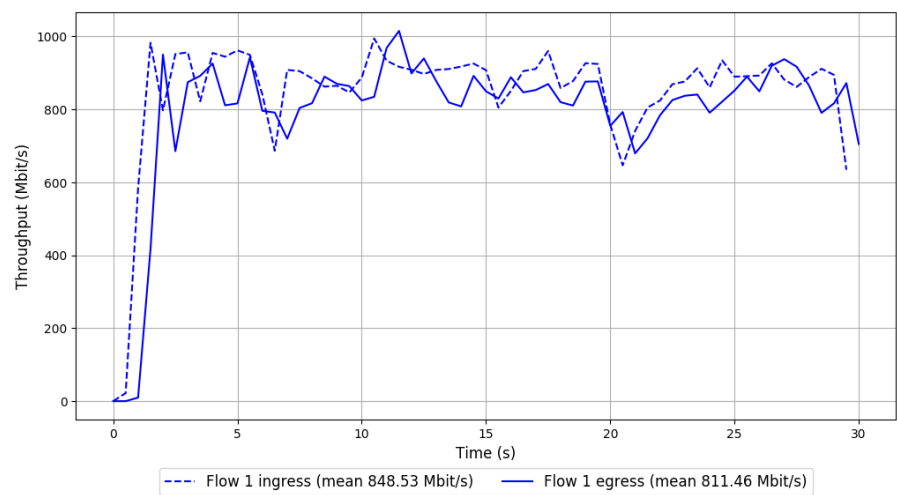


Run 1: Statistics of FillP

Start at: 2018-08-09 20:23:47
End at: 2018-08-09 20:24:17
Local clock offset: -0.138 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-08-10 00:53:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 811.46 Mbit/s
95th percentile per-packet one-way delay: 157.727 ms
Loss rate: 4.37%
-- Flow 1:
Average throughput: 811.46 Mbit/s
95th percentile per-packet one-way delay: 157.727 ms
Loss rate: 4.37%

Run 1: Report of FillP — Data Link

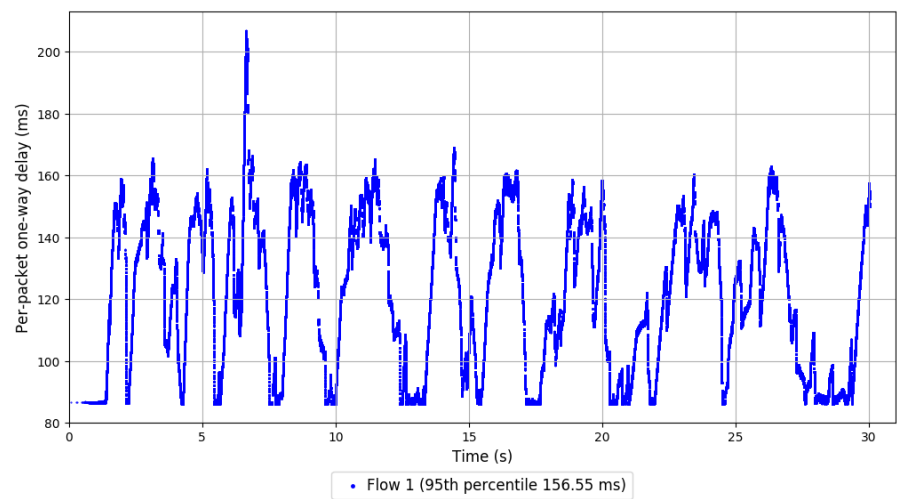
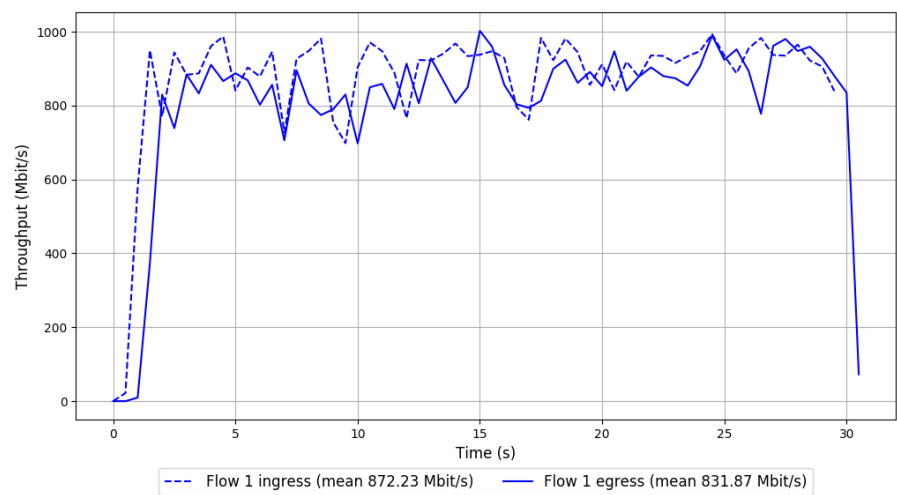


Run 2: Statistics of FillP

Start at: 2018-08-09 20:46:54
End at: 2018-08-09 20:47:24
Local clock offset: -0.024 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-08-10 00:54:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 831.87 Mbit/s
95th percentile per-packet one-way delay: 156.553 ms
Loss rate: 4.63%
-- Flow 1:
Average throughput: 831.87 Mbit/s
95th percentile per-packet one-way delay: 156.553 ms
Loss rate: 4.63%

Run 2: Report of FillP — Data Link

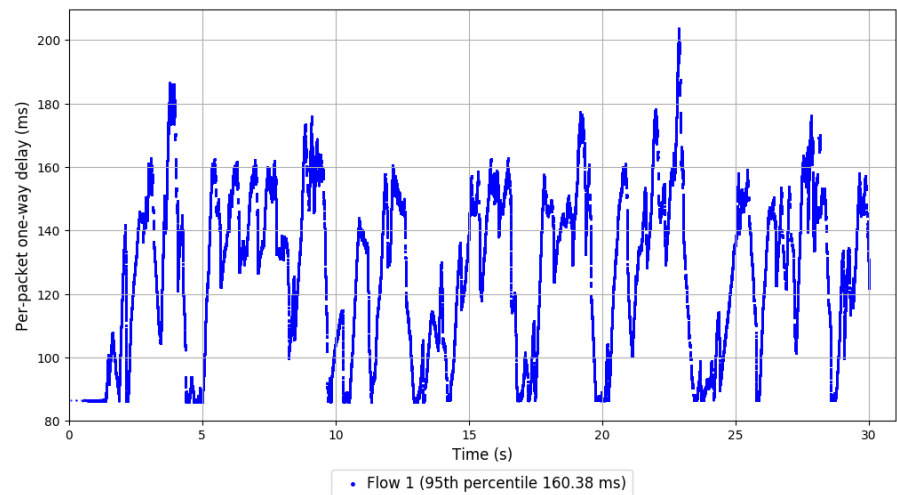
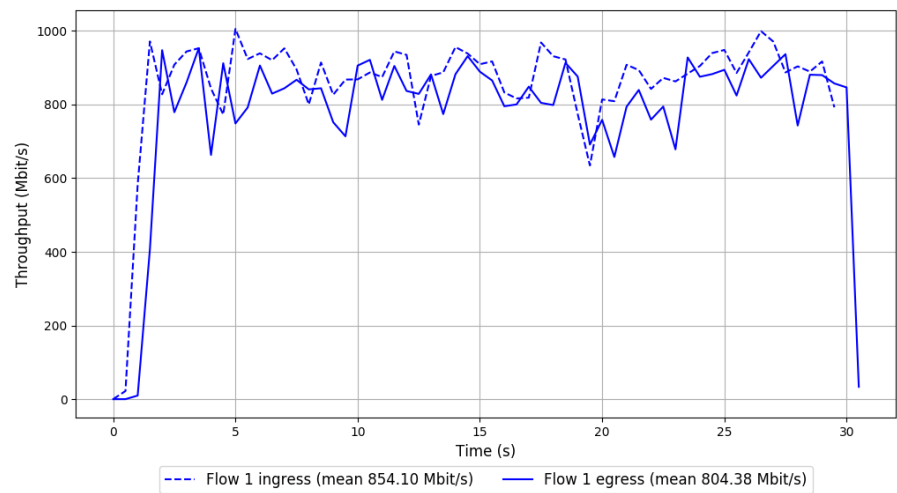


Run 3: Statistics of FillP

Start at: 2018-08-09 21:10:14
End at: 2018-08-09 21:10:44
Local clock offset: -0.248 ms
Remote clock offset: -0.325 ms

Below is generated by plot.py at 2018-08-10 00:54:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 804.38 Mbit/s
95th percentile per-packet one-way delay: 160.384 ms
Loss rate: 5.82%
-- Flow 1:
Average throughput: 804.38 Mbit/s
95th percentile per-packet one-way delay: 160.384 ms
Loss rate: 5.82%

Run 3: Report of FillP — Data Link

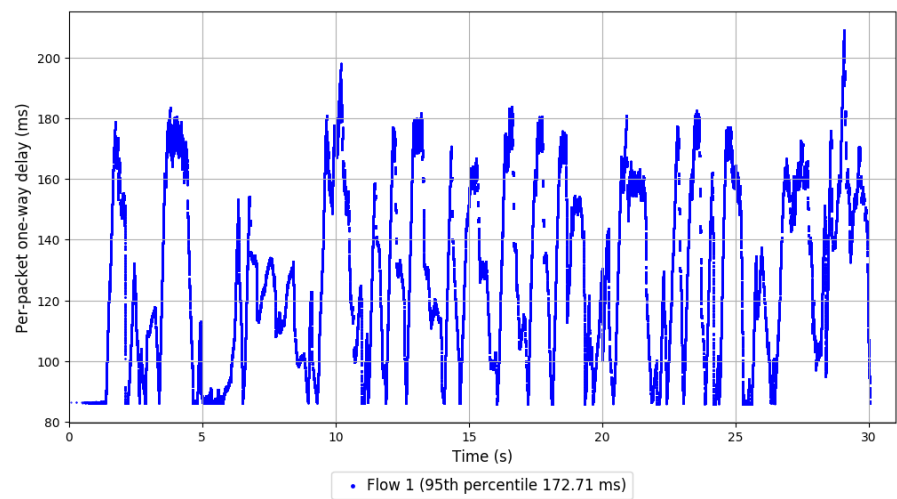
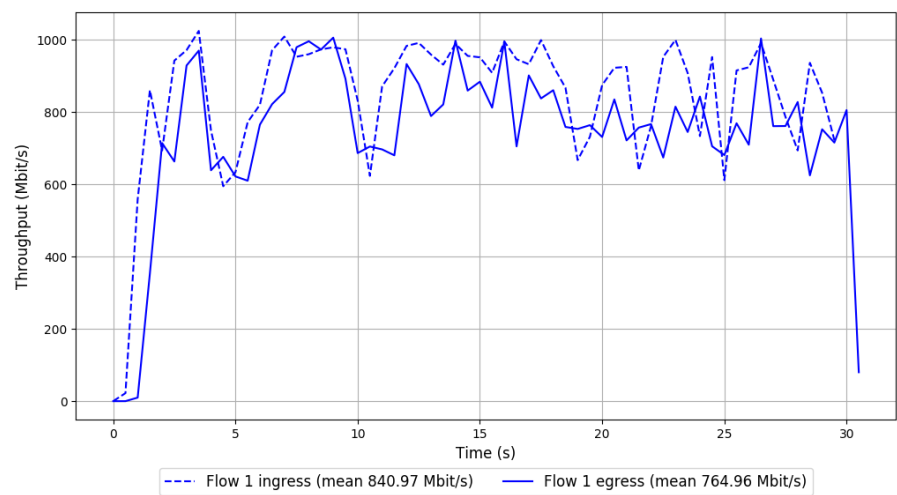


Run 4: Statistics of FillP

Start at: 2018-08-09 21:33:32
End at: 2018-08-09 21:34:02
Local clock offset: -0.157 ms
Remote clock offset: -0.405 ms

Below is generated by plot.py at 2018-08-10 00:54:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 764.96 Mbit/s
95th percentile per-packet one-way delay: 172.709 ms
Loss rate: 9.04%
-- Flow 1:
Average throughput: 764.96 Mbit/s
95th percentile per-packet one-way delay: 172.709 ms
Loss rate: 9.04%

Run 4: Report of FillP — Data Link

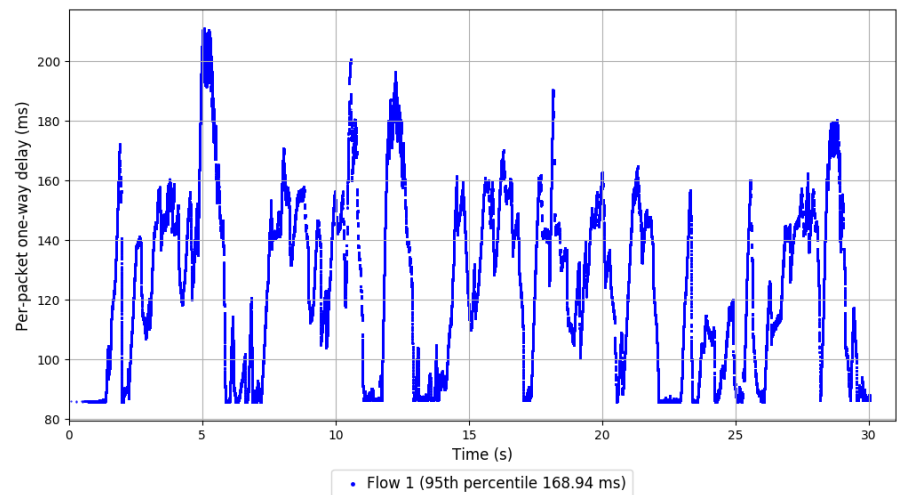
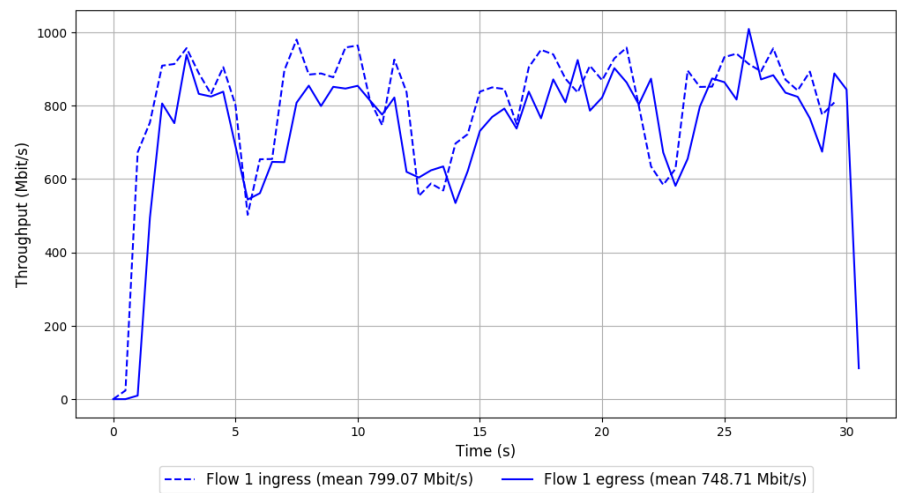


Run 5: Statistics of FillP

Start at: 2018-08-09 21:56:50
End at: 2018-08-09 21:57:20
Local clock offset: -0.04 ms
Remote clock offset: -0.533 ms

Below is generated by plot.py at 2018-08-10 00:54:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 748.71 Mbit/s
95th percentile per-packet one-way delay: 168.940 ms
Loss rate: 6.30%
-- Flow 1:
Average throughput: 748.71 Mbit/s
95th percentile per-packet one-way delay: 168.940 ms
Loss rate: 6.30%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-08-09 22:19:59

End at: 2018-08-09 22:20:29

Local clock offset: -0.268 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-08-10 00:56:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 865.91 Mbit/s

95th percentile per-packet one-way delay: 152.928 ms

Loss rate: 2.24%

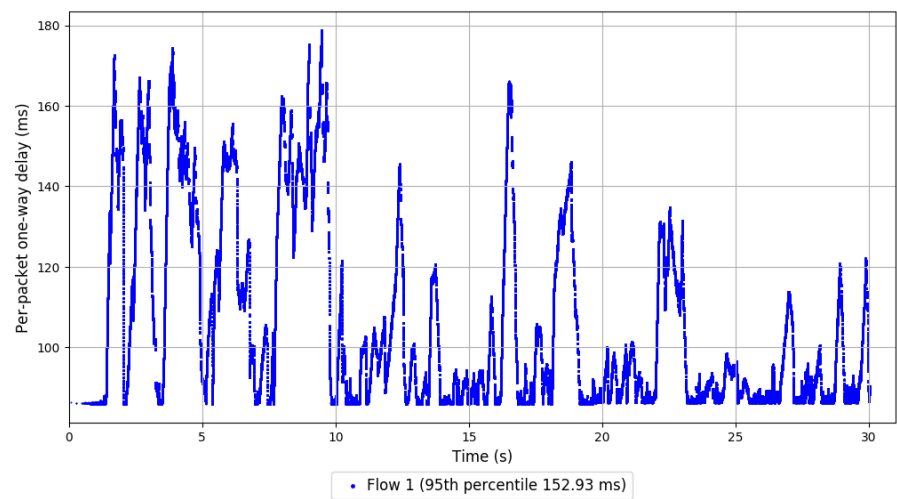
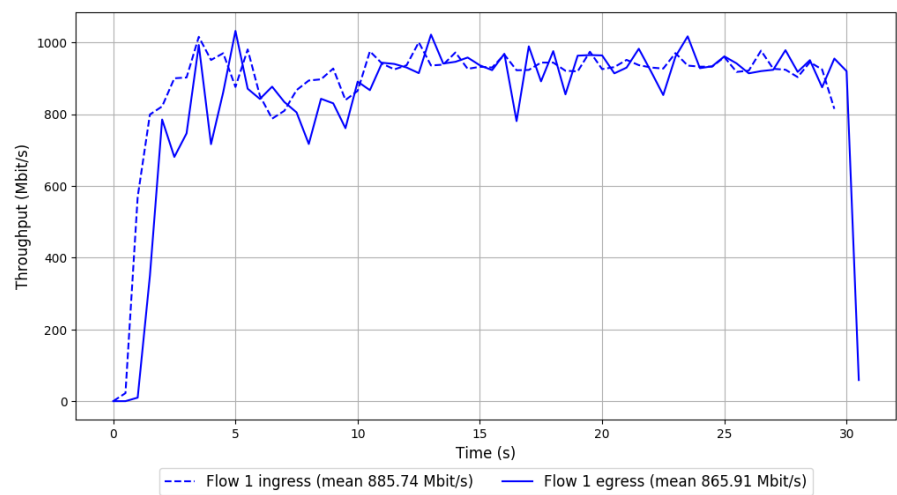
-- Flow 1:

Average throughput: 865.91 Mbit/s

95th percentile per-packet one-way delay: 152.928 ms

Loss rate: 2.24%

Run 6: Report of FillP — Data Link

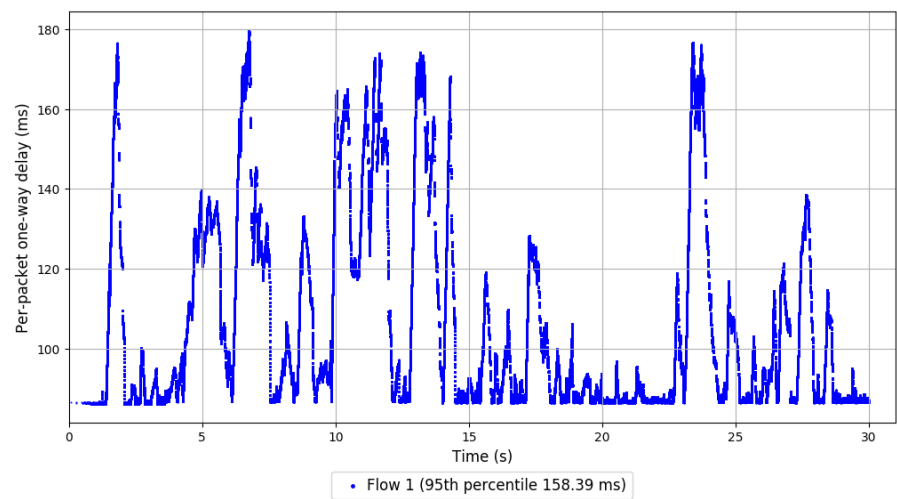
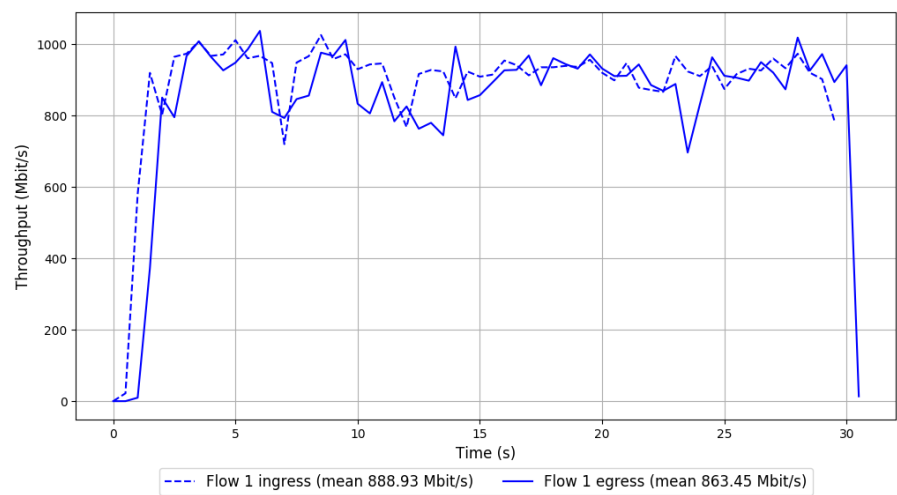


Run 7: Statistics of FillP

Start at: 2018-08-09 22:43:24
End at: 2018-08-09 22:43:54
Local clock offset: -0.168 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-08-10 00:56:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 863.45 Mbit/s
95th percentile per-packet one-way delay: 158.388 ms
Loss rate: 2.87%
-- Flow 1:
Average throughput: 863.45 Mbit/s
95th percentile per-packet one-way delay: 158.388 ms
Loss rate: 2.87%

Run 7: Report of FillP — Data Link

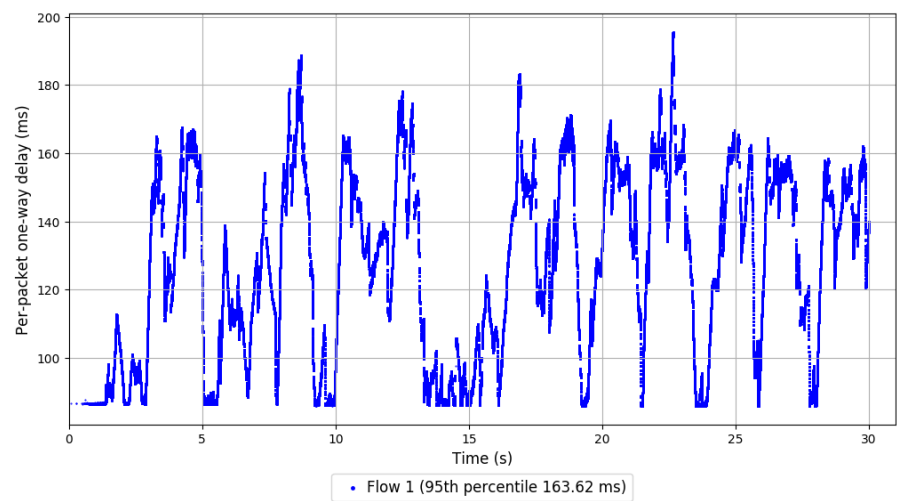
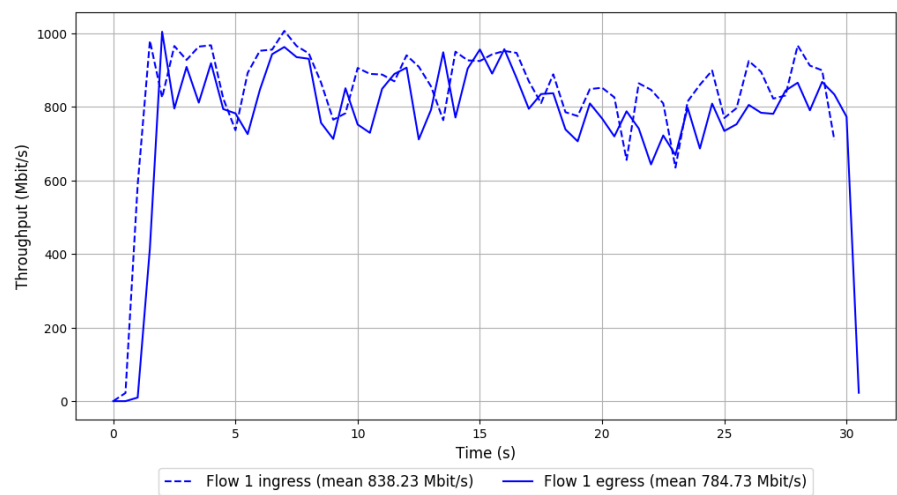


Run 8: Statistics of FillP

Start at: 2018-08-09 23:06:28
End at: 2018-08-09 23:06:58
Local clock offset: -0.143 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-08-10 00:56:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 784.73 Mbit/s
95th percentile per-packet one-way delay: 163.615 ms
Loss rate: 6.38%
-- Flow 1:
Average throughput: 784.73 Mbit/s
95th percentile per-packet one-way delay: 163.615 ms
Loss rate: 6.38%

Run 8: Report of FillP — Data Link

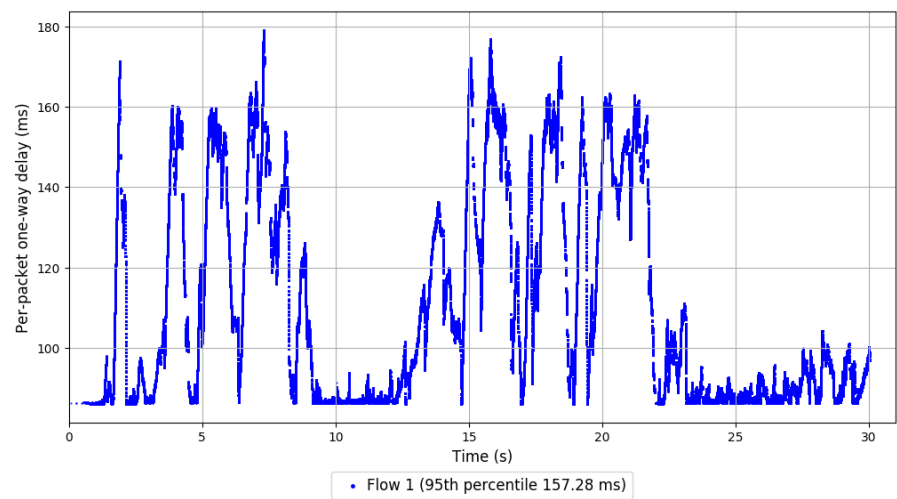
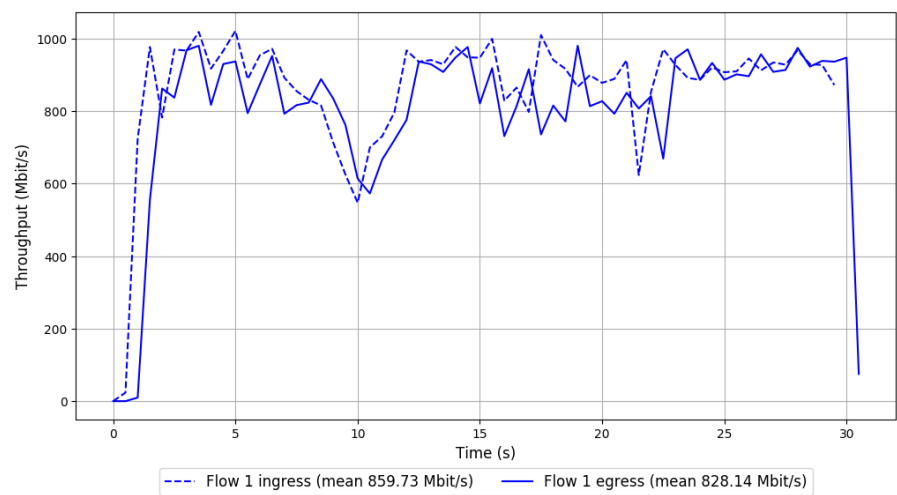


Run 9: Statistics of FillP

Start at: 2018-08-09 23:29:35
End at: 2018-08-09 23:30:05
Local clock offset: -0.188 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-08-10 01:11:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 828.14 Mbit/s
95th percentile per-packet one-way delay: 157.284 ms
Loss rate: 3.67%
-- Flow 1:
Average throughput: 828.14 Mbit/s
95th percentile per-packet one-way delay: 157.284 ms
Loss rate: 3.67%

Run 9: Report of FillP — Data Link

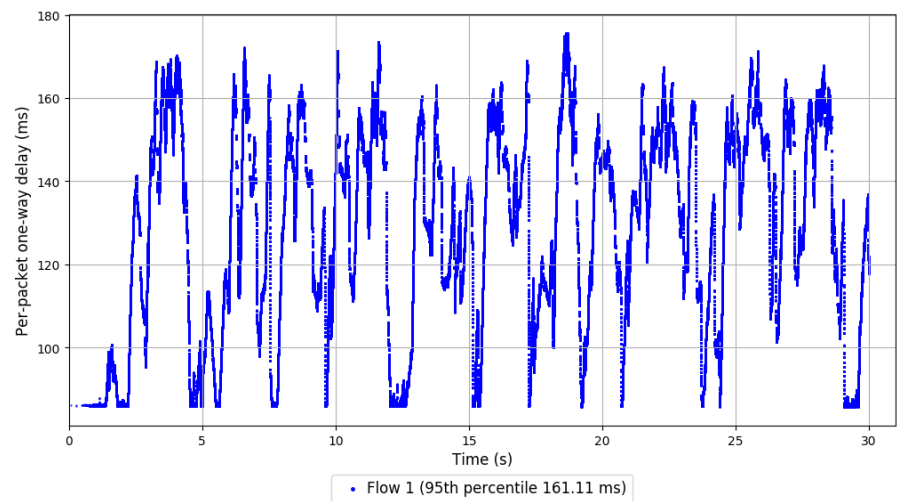
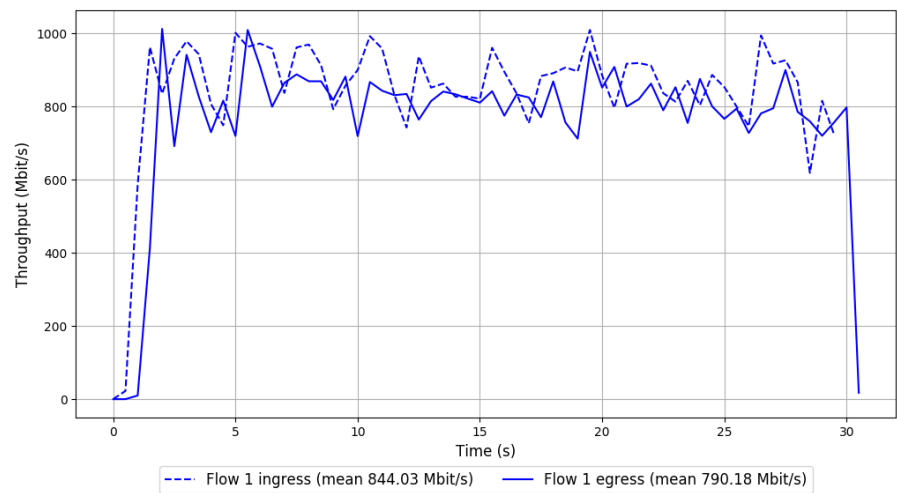


Run 10: Statistics of FillP

Start at: 2018-08-09 23:52:40
End at: 2018-08-09 23:53:10
Local clock offset: -0.005 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-08-10 01:11:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 790.18 Mbit/s
95th percentile per-packet one-way delay: 161.113 ms
Loss rate: 6.38%
-- Flow 1:
Average throughput: 790.18 Mbit/s
95th percentile per-packet one-way delay: 161.113 ms
Loss rate: 6.38%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-08-09 20:22:08

End at: 2018-08-09 20:22:38

Local clock offset: -0.18 ms

Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-08-10 01:11:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 780.79 Mbit/s

95th percentile per-packet one-way delay: 157.695 ms

Loss rate: 3.05%

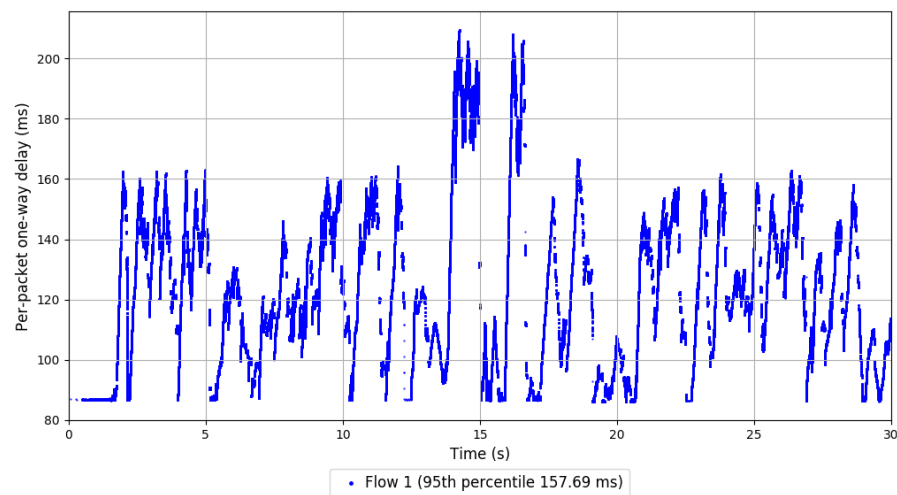
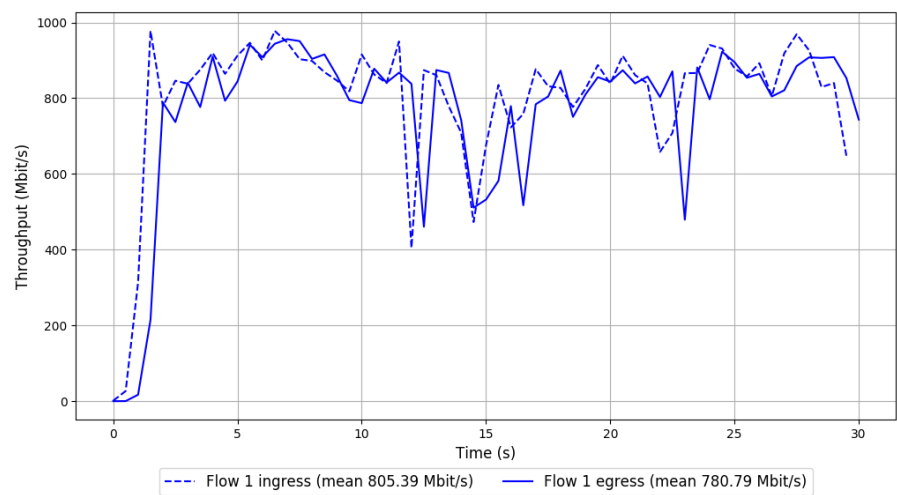
-- Flow 1:

Average throughput: 780.79 Mbit/s

95th percentile per-packet one-way delay: 157.695 ms

Loss rate: 3.05%

Run 1: Report of FillP-Sheep — Data Link

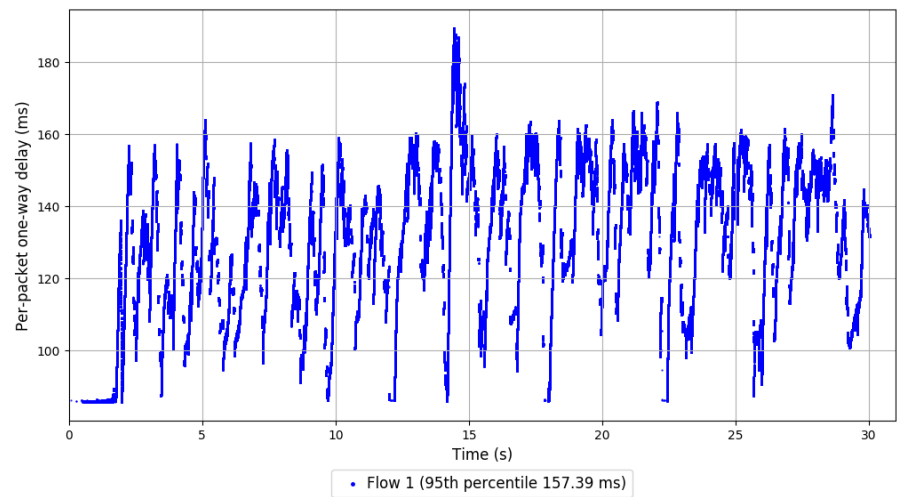
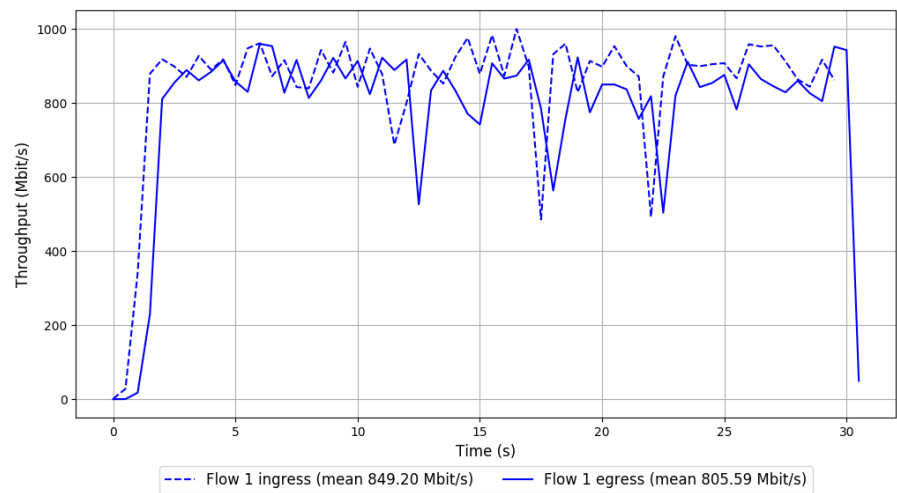


Run 2: Statistics of FillP-Sheep

Start at: 2018-08-09 20:45:15
End at: 2018-08-09 20:45:45
Local clock offset: 0.018 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2018-08-10 01:11:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 805.59 Mbit/s
95th percentile per-packet one-way delay: 157.389 ms
Loss rate: 5.13%
-- Flow 1:
Average throughput: 805.59 Mbit/s
95th percentile per-packet one-way delay: 157.389 ms
Loss rate: 5.13%

Run 2: Report of FillP-Sheep — Data Link

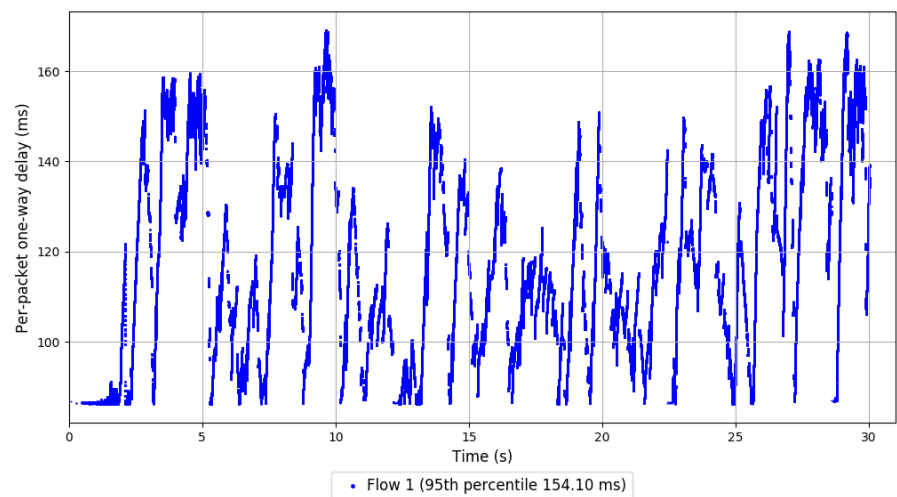
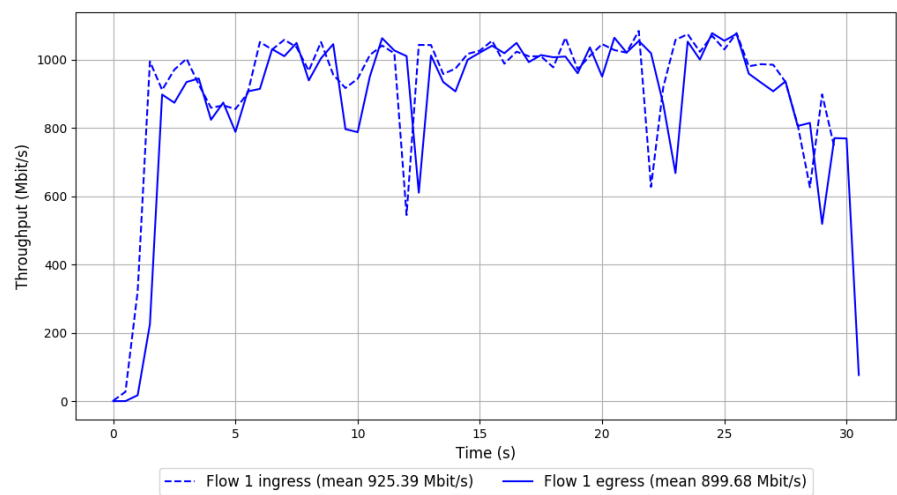


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-09 21:08:31
End at: 2018-08-09 21:09:01
Local clock offset: -0.294 ms
Remote clock offset: -0.285 ms

Below is generated by plot.py at 2018-08-10 01:13:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 899.68 Mbit/s
95th percentile per-packet one-way delay: 154.102 ms
Loss rate: 2.77%
-- Flow 1:
Average throughput: 899.68 Mbit/s
95th percentile per-packet one-way delay: 154.102 ms
Loss rate: 2.77%

Run 3: Report of FillP-Sheep — Data Link

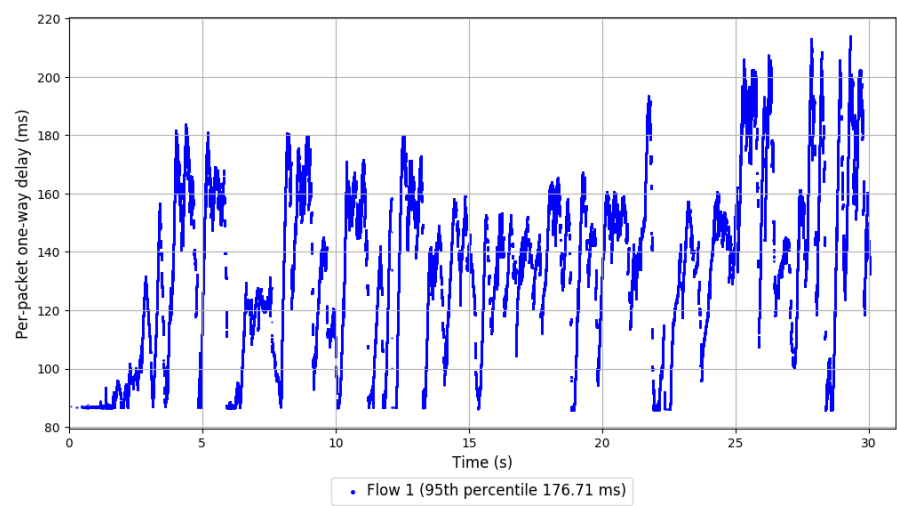
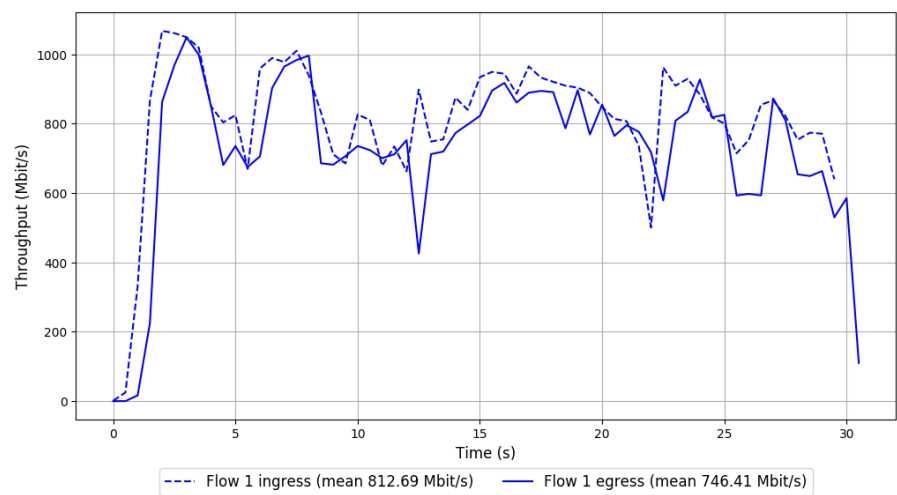


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-09 21:31:53
End at: 2018-08-09 21:32:23
Local clock offset: -0.038 ms
Remote clock offset: -0.425 ms

Below is generated by plot.py at 2018-08-10 01:13:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 746.41 Mbit/s
95th percentile per-packet one-way delay: 176.714 ms
Loss rate: 8.15%
-- Flow 1:
Average throughput: 746.41 Mbit/s
95th percentile per-packet one-way delay: 176.714 ms
Loss rate: 8.15%

Run 4: Report of FillP-Sheep — Data Link

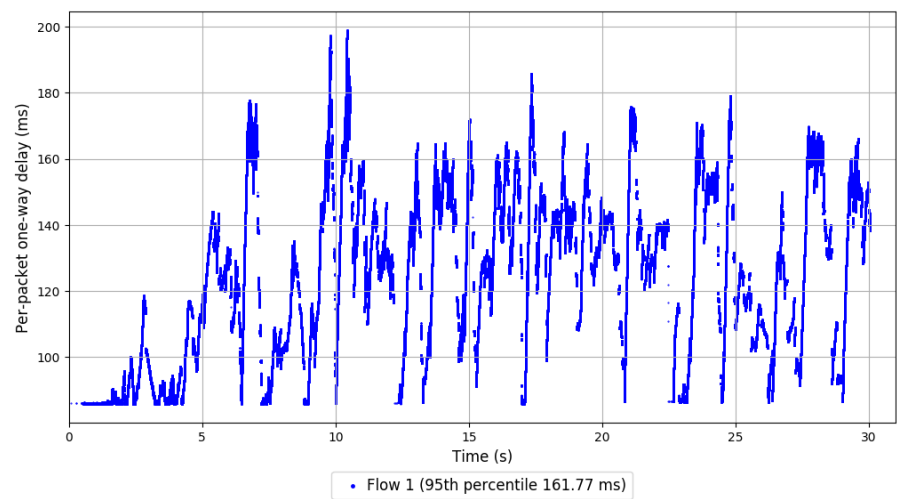
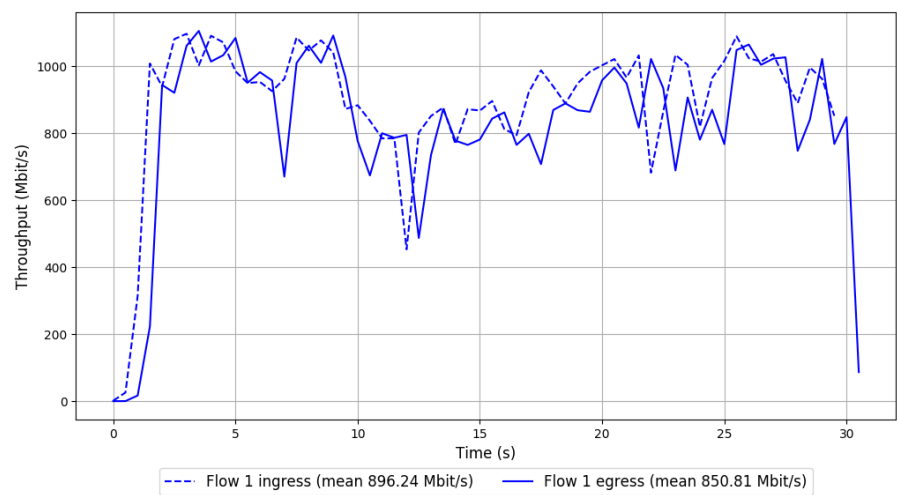


Run 5: Statistics of FillP-Sheep

Start at: 2018-08-09 21:55:09
End at: 2018-08-09 21:55:39
Local clock offset: -0.073 ms
Remote clock offset: -0.457 ms

Below is generated by plot.py at 2018-08-10 01:14:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 850.81 Mbit/s
95th percentile per-packet one-way delay: 161.766 ms
Loss rate: 5.07%
-- Flow 1:
Average throughput: 850.81 Mbit/s
95th percentile per-packet one-way delay: 161.766 ms
Loss rate: 5.07%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-08-09 22:18:20

End at: 2018-08-09 22:18:50

Local clock offset: -0.098 ms

Remote clock offset: 0.083 ms

Below is generated by plot.py at 2018-08-10 01:14:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 782.95 Mbit/s

95th percentile per-packet one-way delay: 159.109 ms

Loss rate: 4.80%

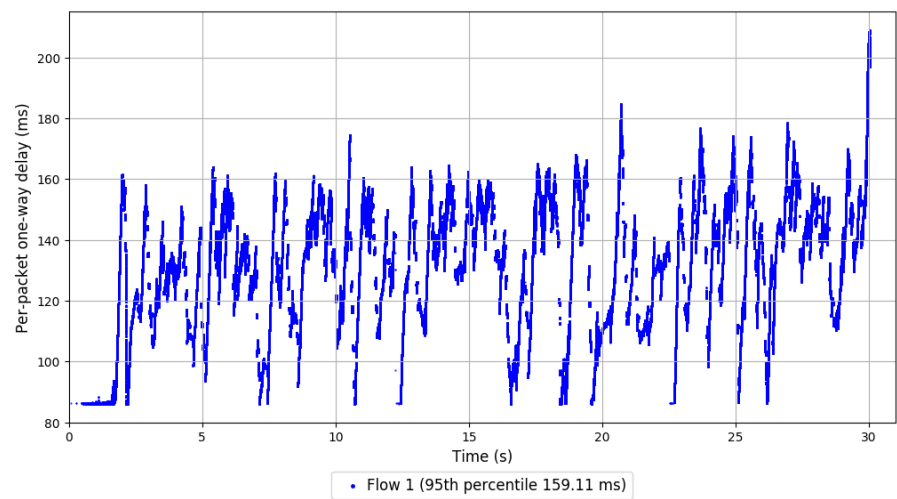
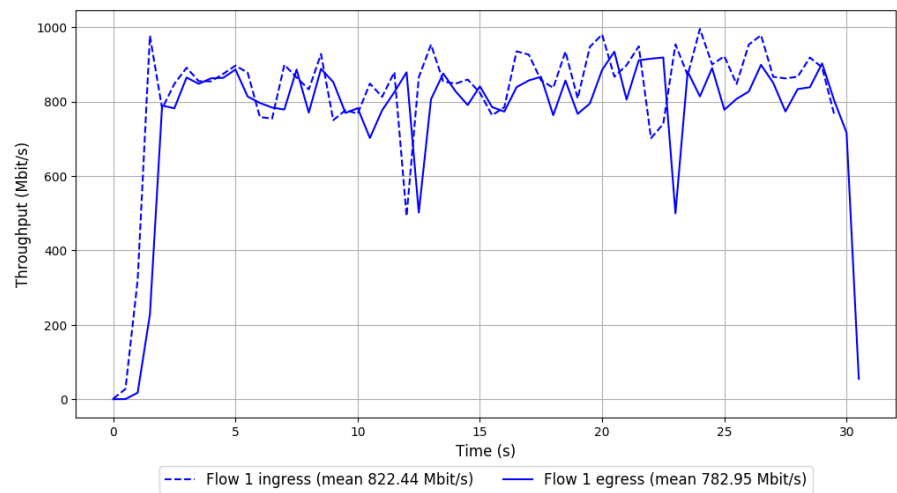
-- Flow 1:

Average throughput: 782.95 Mbit/s

95th percentile per-packet one-way delay: 159.109 ms

Loss rate: 4.80%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-08-09 22:41:42

End at: 2018-08-09 22:42:12

Local clock offset: 0.077 ms

Remote clock offset: 0.06 ms

Below is generated by plot.py at 2018-08-10 01:28:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 861.90 Mbit/s

95th percentile per-packet one-way delay: 162.219 ms

Loss rate: 4.46%

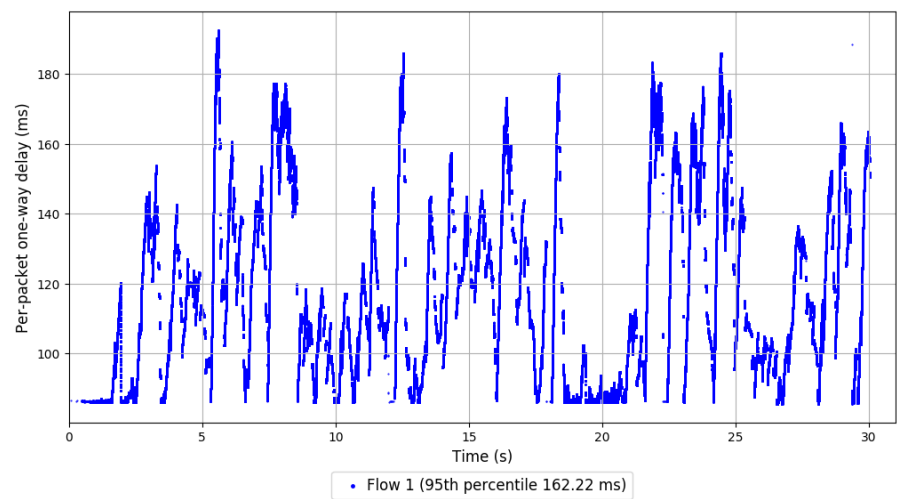
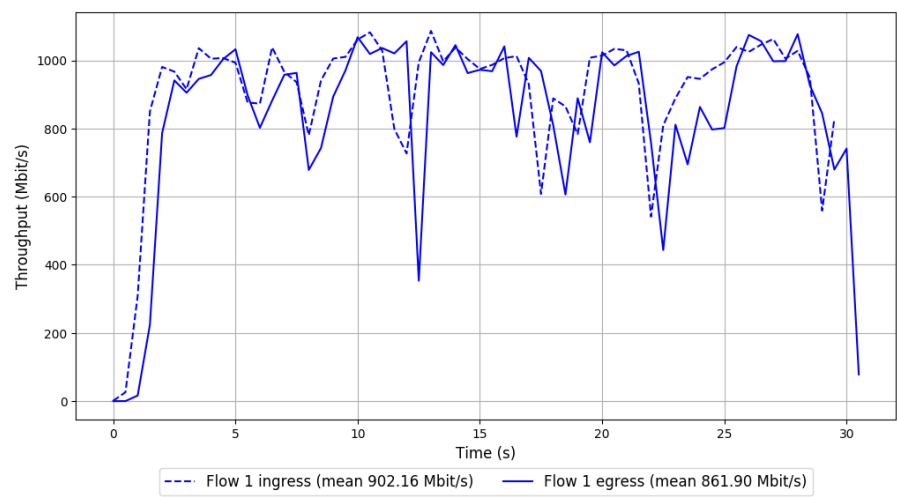
-- Flow 1:

Average throughput: 861.90 Mbit/s

95th percentile per-packet one-way delay: 162.219 ms

Loss rate: 4.46%

Run 7: Report of FillP-Sheep — Data Link

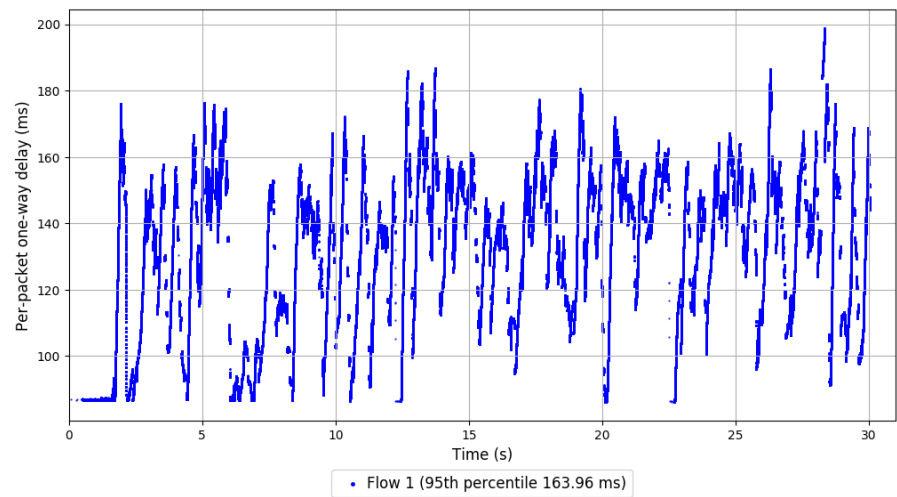
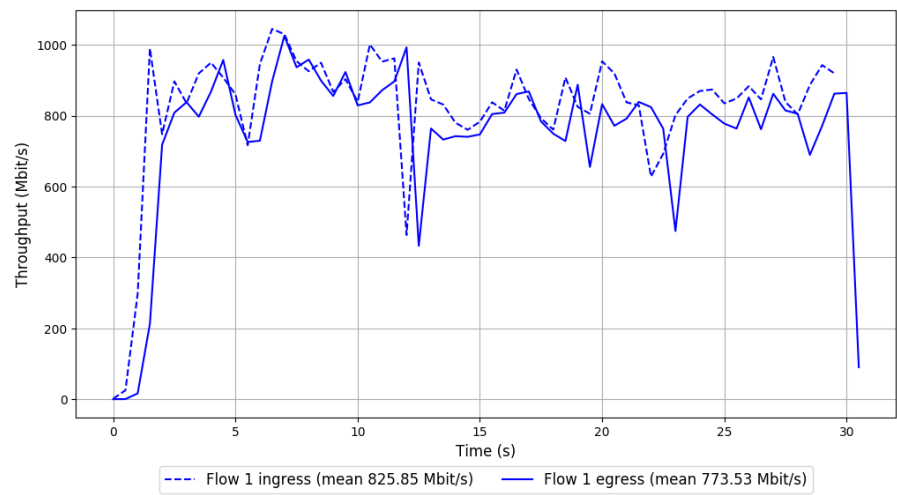


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-09 23:04:48
End at: 2018-08-09 23:05:18
Local clock offset: -0.377 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-08-10 01:28:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 773.53 Mbit/s
95th percentile per-packet one-way delay: 163.959 ms
Loss rate: 6.33%
-- Flow 1:
Average throughput: 773.53 Mbit/s
95th percentile per-packet one-way delay: 163.959 ms
Loss rate: 6.33%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-08-09 23:27:56

End at: 2018-08-09 23:28:26

Local clock offset: 0.091 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-08-10 01:28:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 767.58 Mbit/s

95th percentile per-packet one-way delay: 162.386 ms

Loss rate: 7.80%

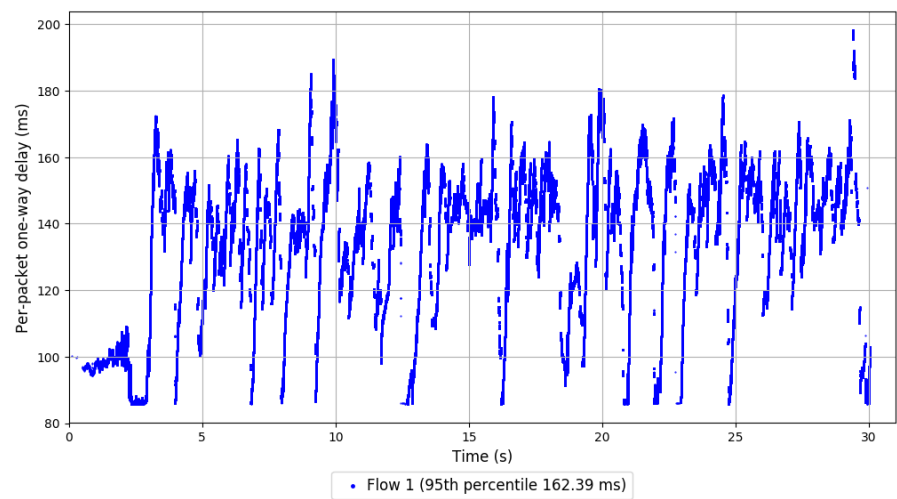
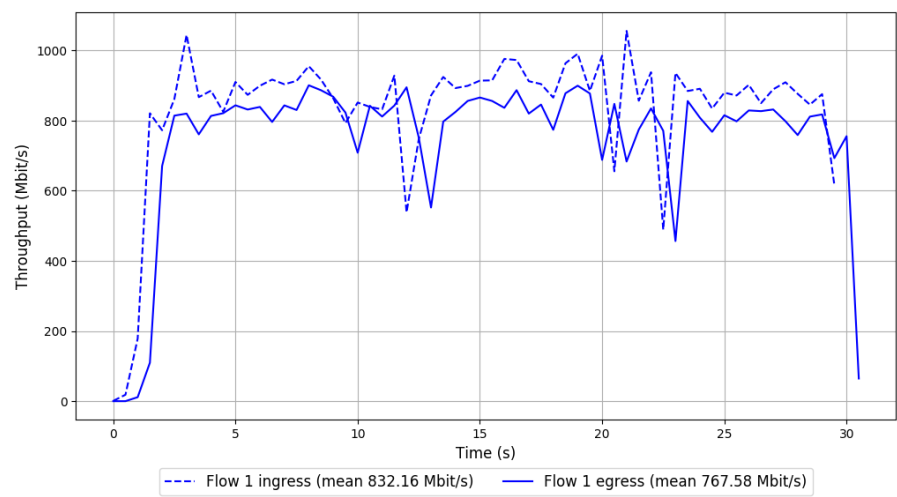
-- Flow 1:

Average throughput: 767.58 Mbit/s

95th percentile per-packet one-way delay: 162.386 ms

Loss rate: 7.80%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-08-09 23:51:00

End at: 2018-08-09 23:51:30

Local clock offset: -0.175 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-08-10 01:28:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 830.27 Mbit/s

95th percentile per-packet one-way delay: 158.184 ms

Loss rate: 3.10%

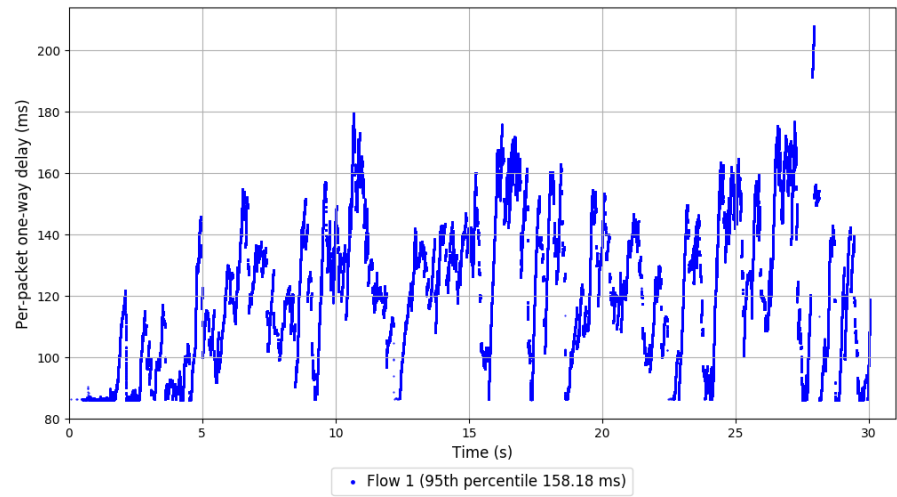
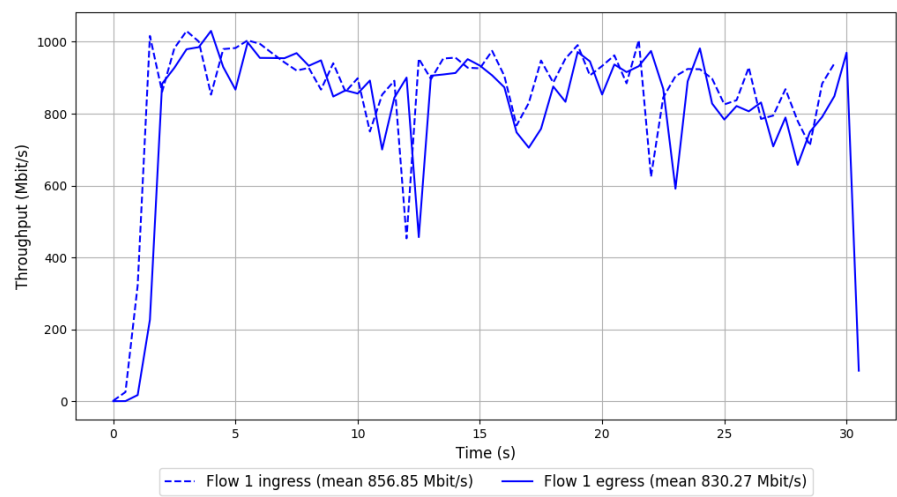
-- Flow 1:

Average throughput: 830.27 Mbit/s

95th percentile per-packet one-way delay: 158.184 ms

Loss rate: 3.10%

Run 10: Report of FillP-Sheep — Data Link

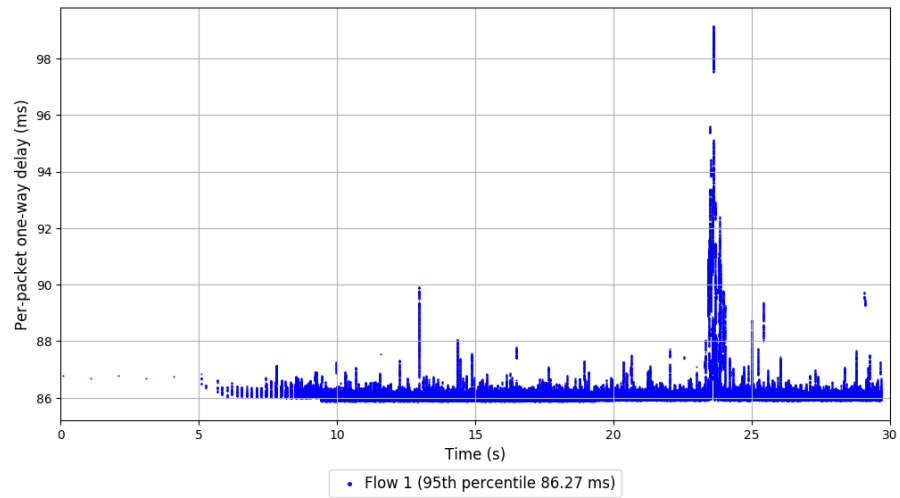
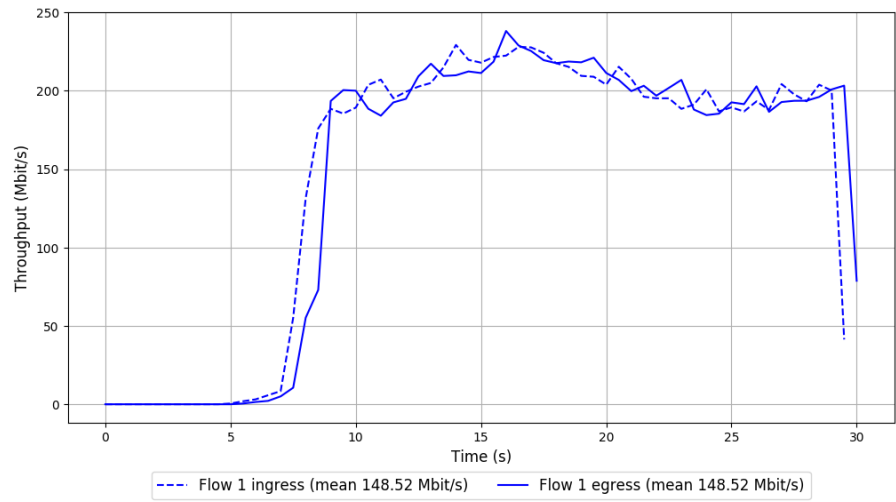


Run 1: Statistics of Indigo

Start at: 2018-08-09 20:10:19
End at: 2018-08-09 20:10:49
Local clock offset: -0.142 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-08-10 01:28:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 148.52 Mbit/s
95th percentile per-packet one-way delay: 86.274 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 148.52 Mbit/s
95th percentile per-packet one-way delay: 86.274 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

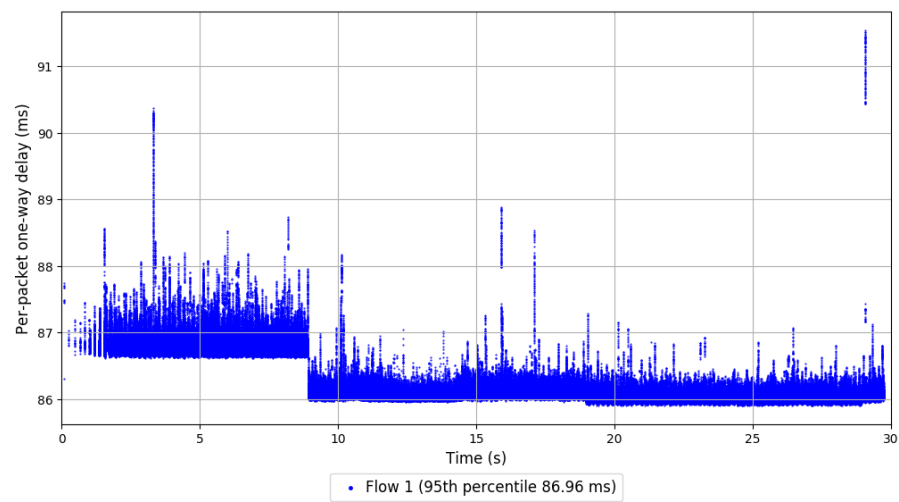
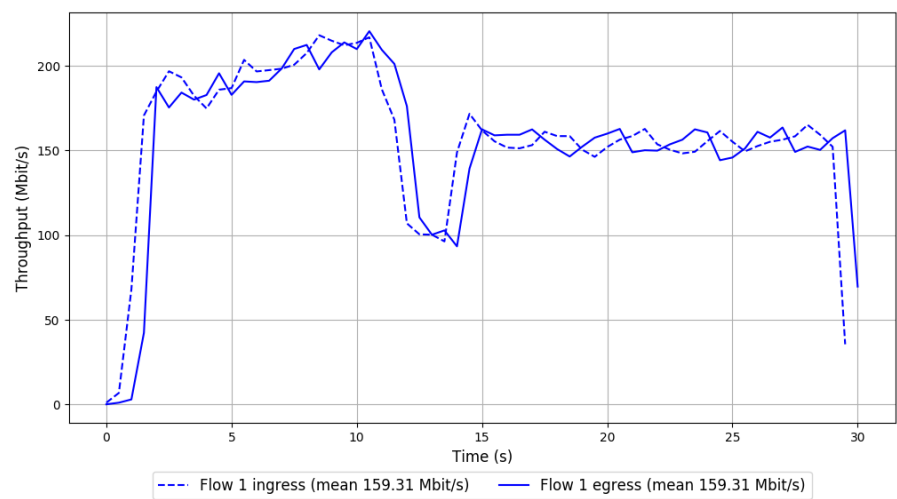


Run 2: Statistics of Indigo

Start at: 2018-08-09 20:33:19
End at: 2018-08-09 20:33:49
Local clock offset: -0.052 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2018-08-10 01:28:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 159.31 Mbit/s
95th percentile per-packet one-way delay: 86.960 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 159.31 Mbit/s
95th percentile per-packet one-way delay: 86.960 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

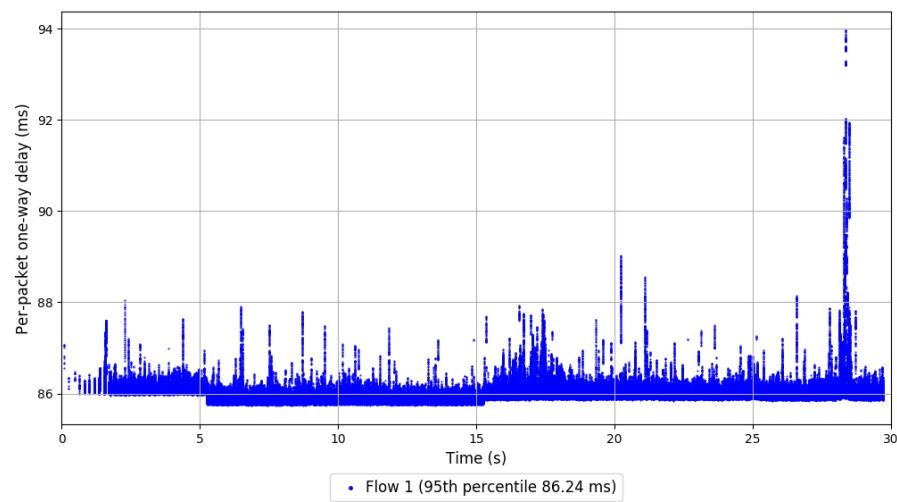
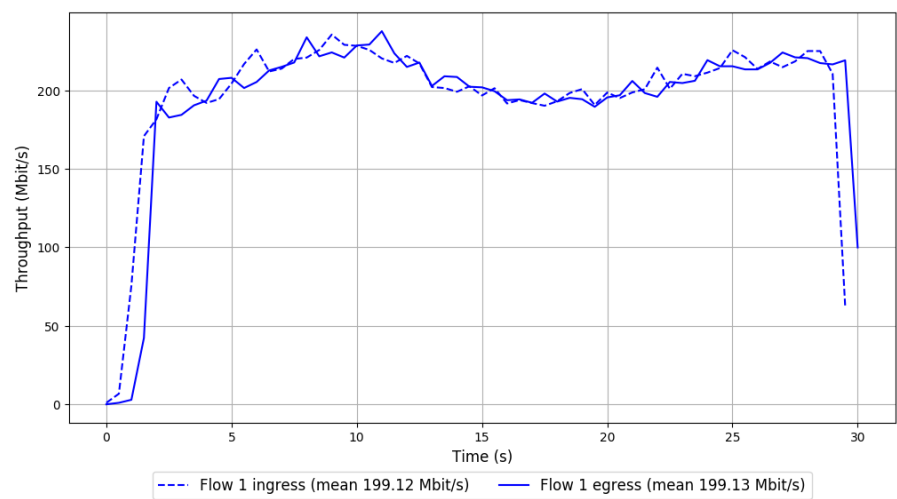


Run 3: Statistics of Indigo

Start at: 2018-08-09 20:56:33
End at: 2018-08-09 20:57:03
Local clock offset: 0.045 ms
Remote clock offset: -0.193 ms

Below is generated by plot.py at 2018-08-10 01:28:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 199.13 Mbit/s
95th percentile per-packet one-way delay: 86.239 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 199.13 Mbit/s
95th percentile per-packet one-way delay: 86.239 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

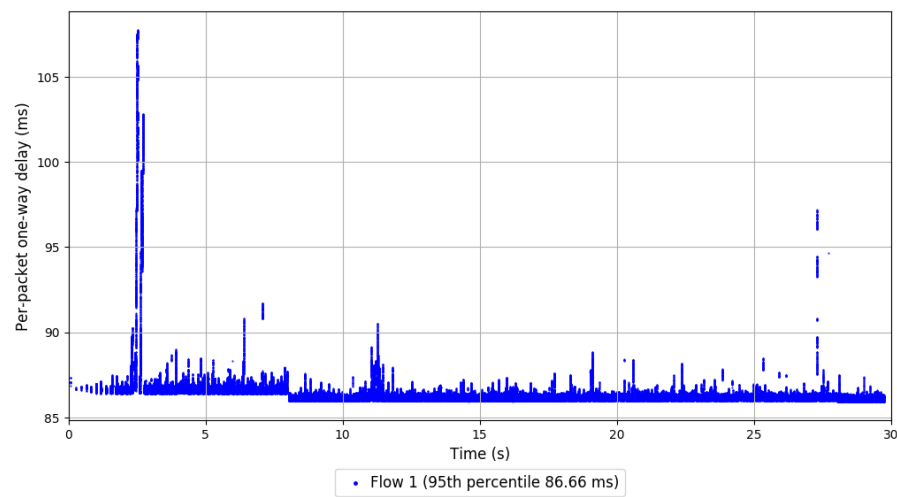
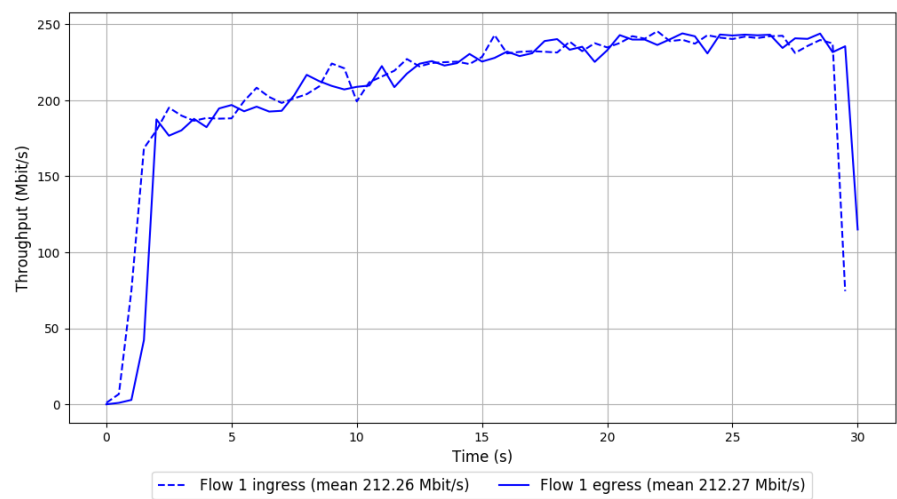


Run 4: Statistics of Indigo

Start at: 2018-08-09 21:19:50
End at: 2018-08-09 21:20:20
Local clock offset: -0.173 ms
Remote clock offset: -0.359 ms

Below is generated by plot.py at 2018-08-10 01:28:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 212.27 Mbit/s
95th percentile per-packet one-way delay: 86.655 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 212.27 Mbit/s
95th percentile per-packet one-way delay: 86.655 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

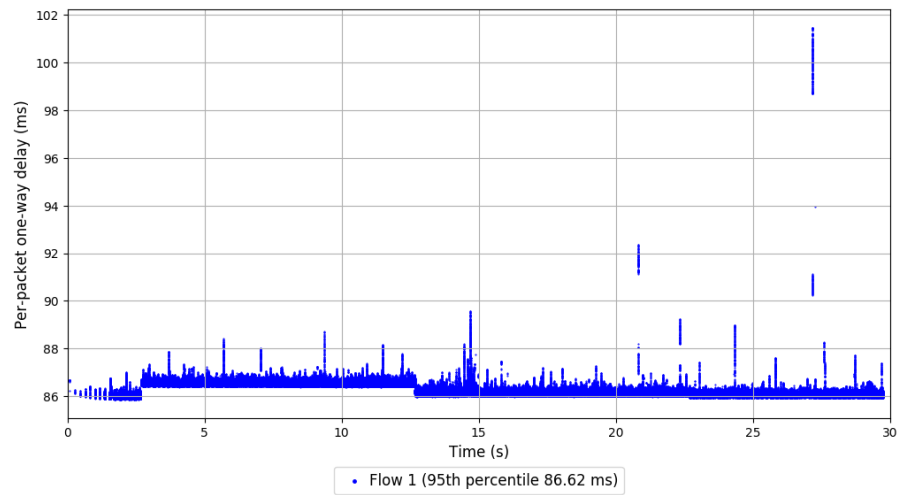
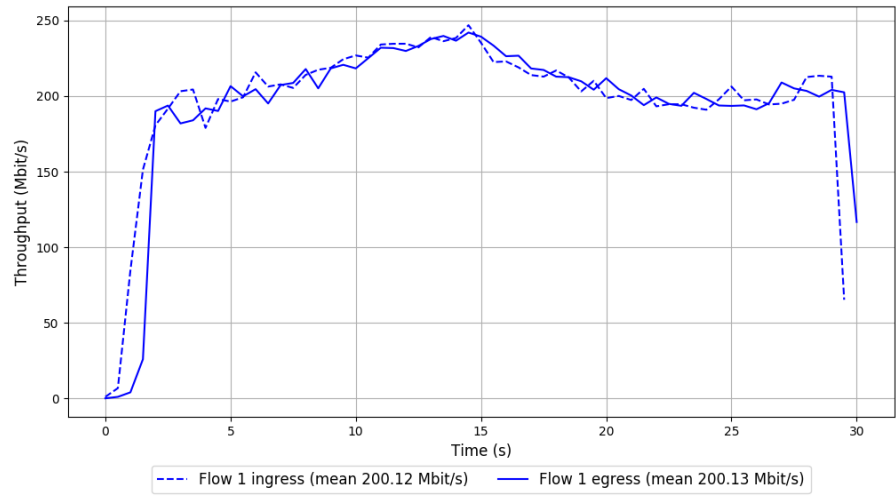


Run 5: Statistics of Indigo

Start at: 2018-08-09 21:43:05
End at: 2018-08-09 21:43:35
Local clock offset: -0.126 ms
Remote clock offset: -0.449 ms

Below is generated by plot.py at 2018-08-10 01:28:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 200.13 Mbit/s
95th percentile per-packet one-way delay: 86.623 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 200.13 Mbit/s
95th percentile per-packet one-way delay: 86.623 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

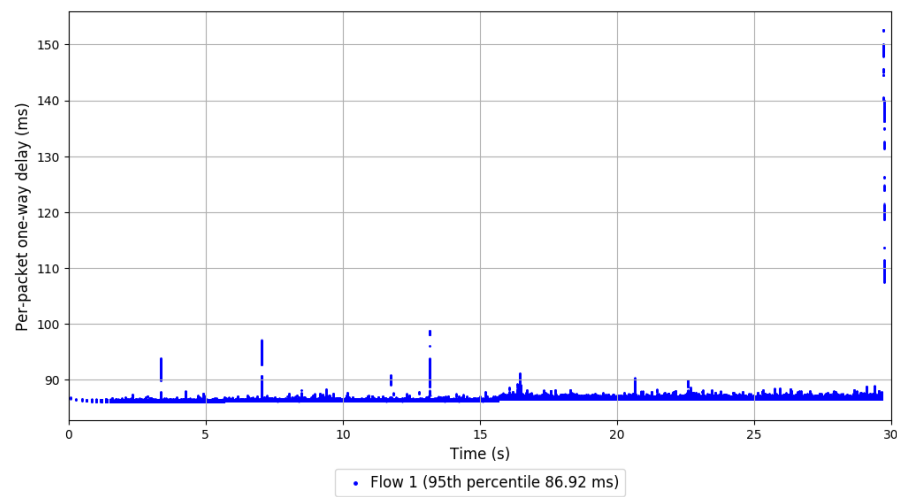
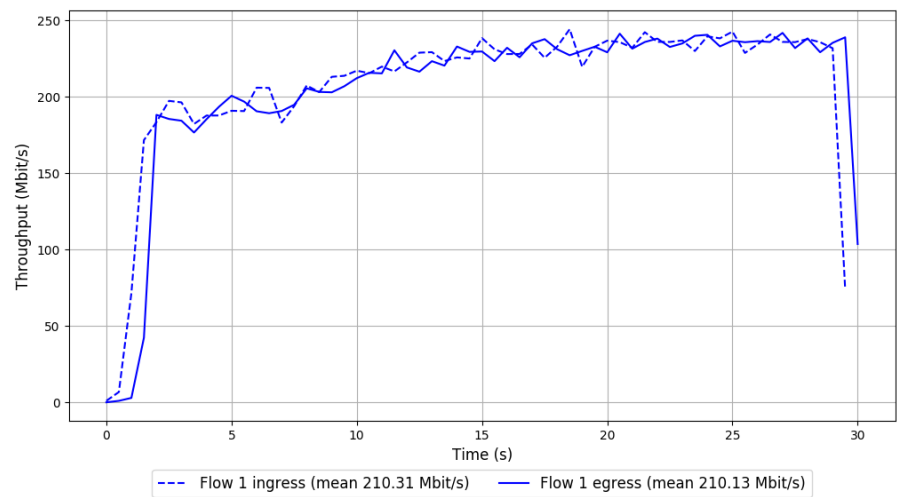


Run 6: Statistics of Indigo

Start at: 2018-08-09 22:06:22
End at: 2018-08-09 22:06:52
Local clock offset: -0.321 ms
Remote clock offset: -0.184 ms

Below is generated by plot.py at 2018-08-10 01:28:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 210.13 Mbit/s
95th percentile per-packet one-way delay: 86.917 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 210.13 Mbit/s
95th percentile per-packet one-way delay: 86.917 ms
Loss rate: 0.09%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-08-09 22:29:38

End at: 2018-08-09 22:30:08

Local clock offset: 0.054 ms

Remote clock offset: 0.169 ms

Below is generated by plot.py at 2018-08-10 01:28:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 196.55 Mbit/s

95th percentile per-packet one-way delay: 86.442 ms

Loss rate: 0.00%

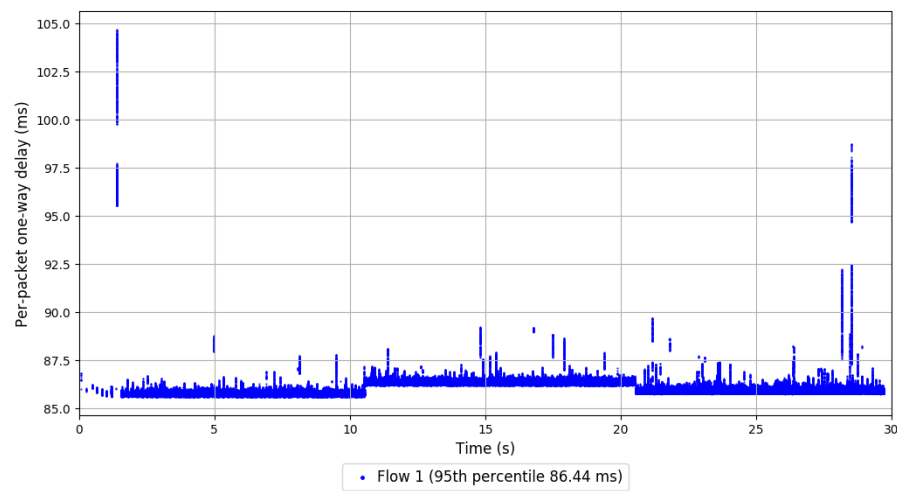
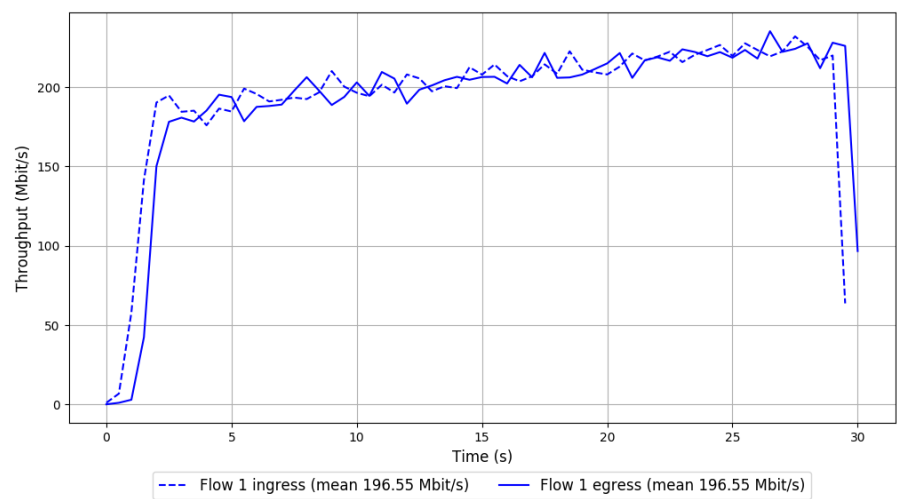
-- Flow 1:

Average throughput: 196.55 Mbit/s

95th percentile per-packet one-way delay: 86.442 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

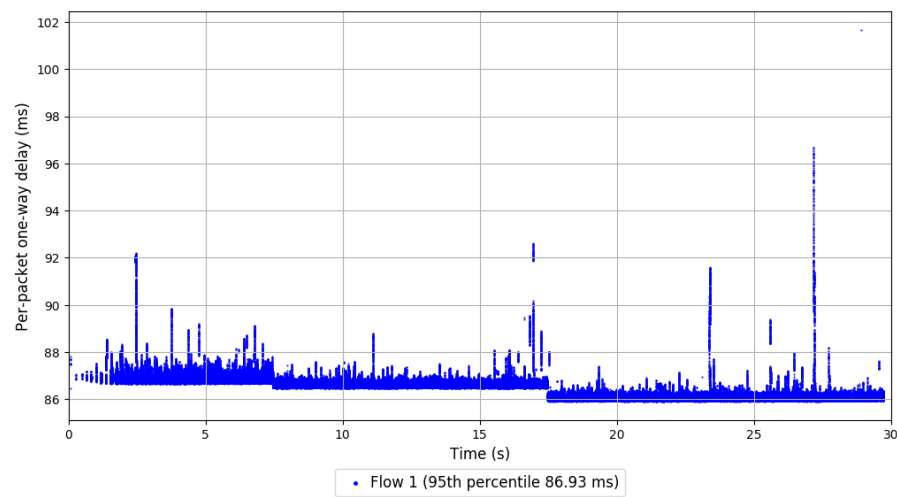
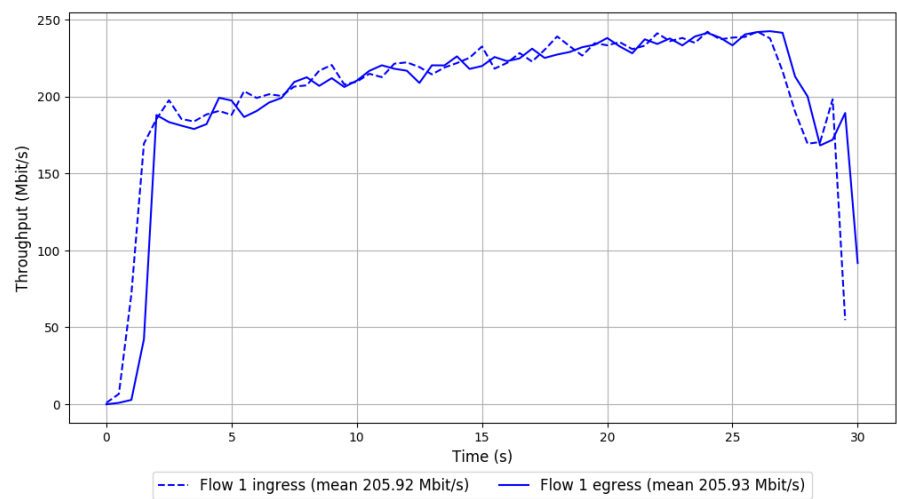


Run 8: Statistics of Indigo

Start at: 2018-08-09 22:53:01
End at: 2018-08-09 22:53:31
Local clock offset: -0.266 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-08-10 01:28:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.93 Mbit/s
95th percentile per-packet one-way delay: 86.932 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 205.93 Mbit/s
95th percentile per-packet one-way delay: 86.932 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

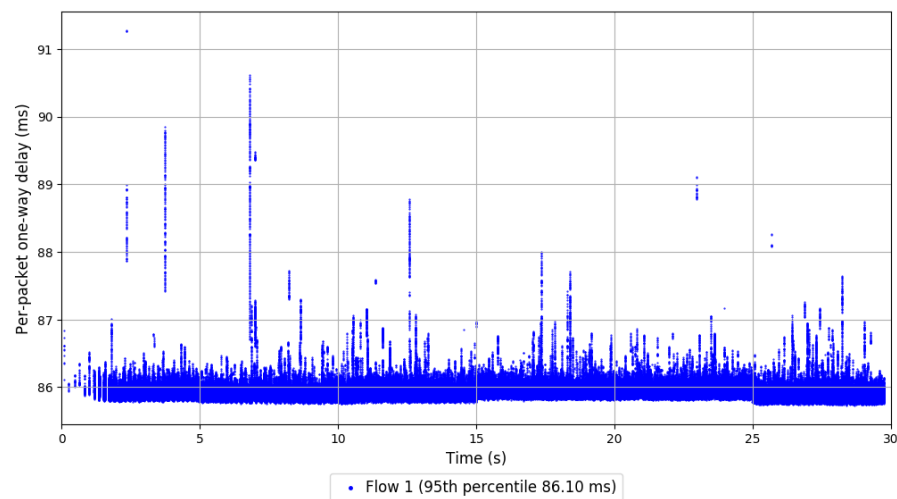
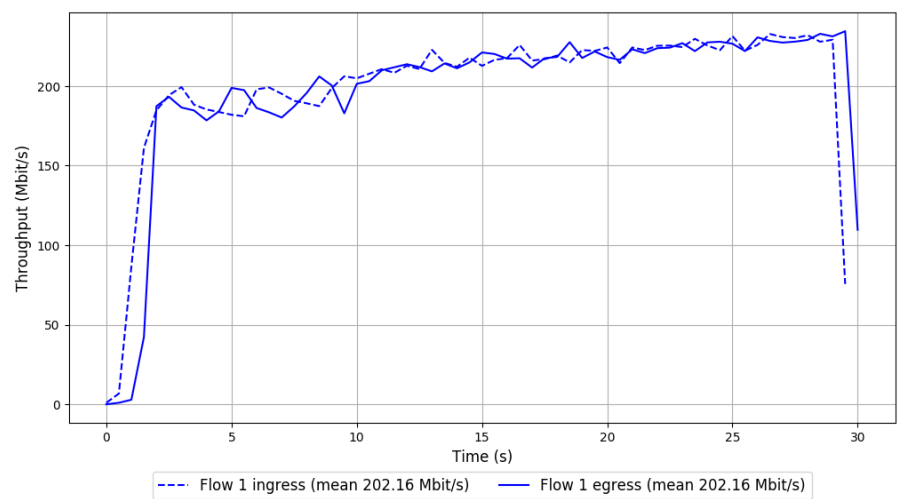


Run 9: Statistics of Indigo

Start at: 2018-08-09 23:16:03
End at: 2018-08-09 23:16:33
Local clock offset: -0.054 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-08-10 01:28:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 202.16 Mbit/s
95th percentile per-packet one-way delay: 86.101 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 202.16 Mbit/s
95th percentile per-packet one-way delay: 86.101 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link

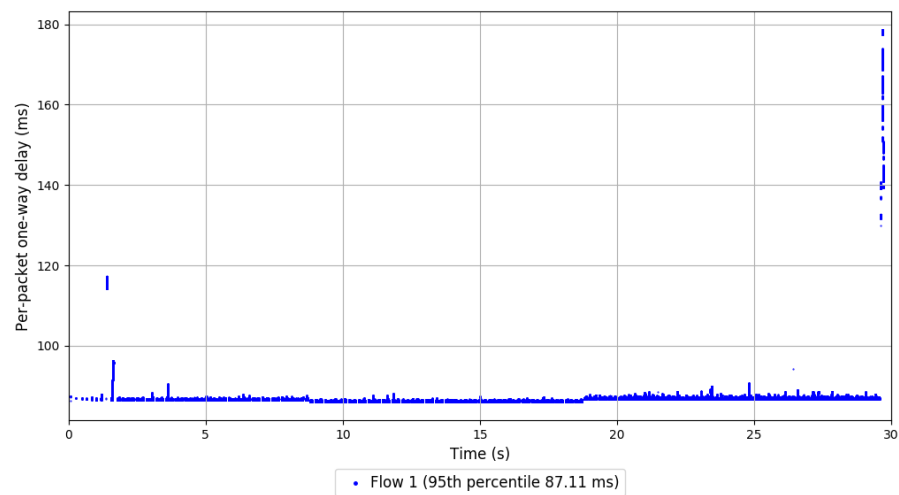
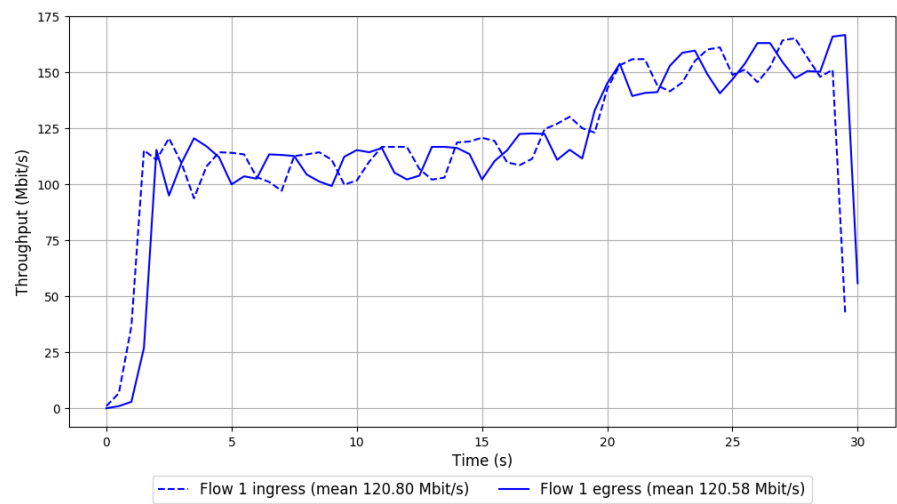


Run 10: Statistics of Indigo

Start at: 2018-08-09 23:39:09
End at: 2018-08-09 23:39:39
Local clock offset: -0.194 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-08-10 01:28:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 120.58 Mbit/s
95th percentile per-packet one-way delay: 87.111 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 120.58 Mbit/s
95th percentile per-packet one-way delay: 87.111 ms
Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

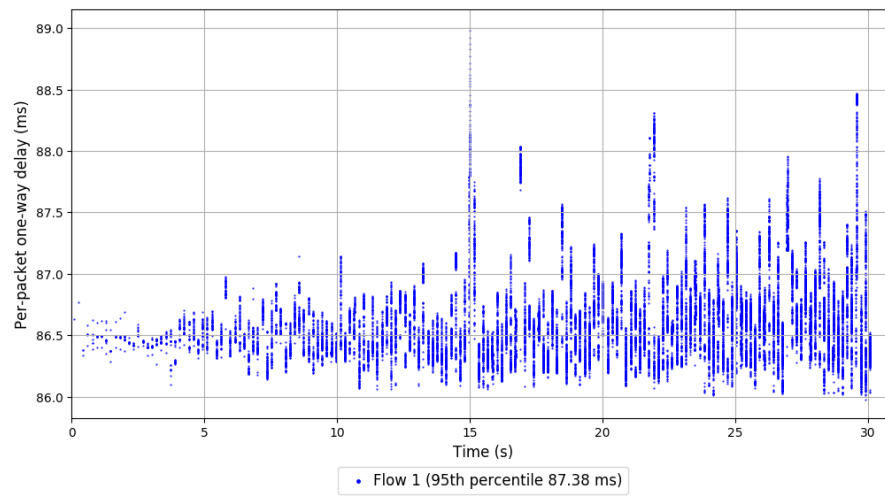
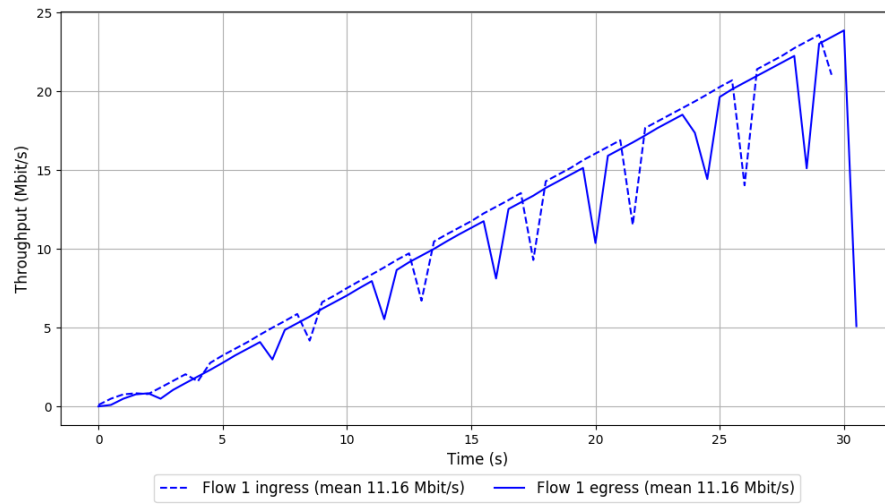


```
Run 1: Statistics of LEDBAT

Start at: 2018-08-09 20:11:35
End at: 2018-08-09 20:12:05
Local clock offset: -0.291 ms
Remote clock offset: -0.168 ms

# Below is generated by plot.py at 2018-08-10 01:28:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.16 Mbit/s
95th percentile per-packet one-way delay: 87.382 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.16 Mbit/s
95th percentile per-packet one-way delay: 87.382 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

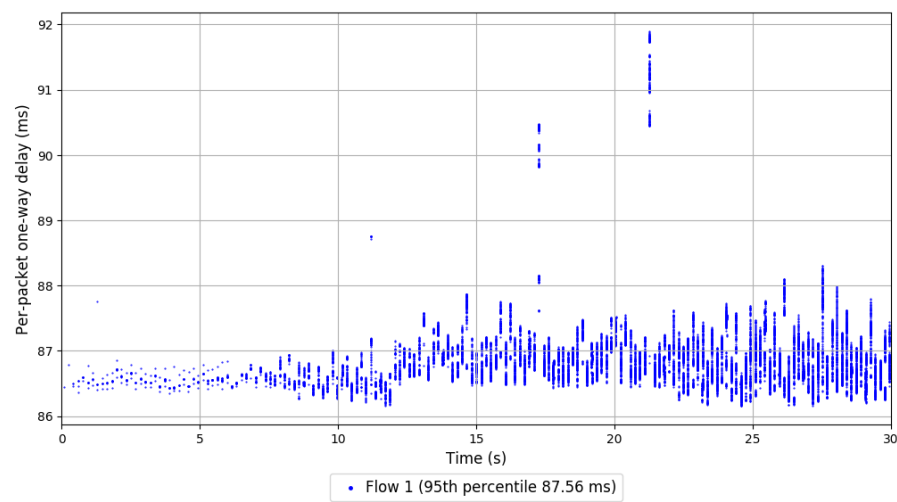
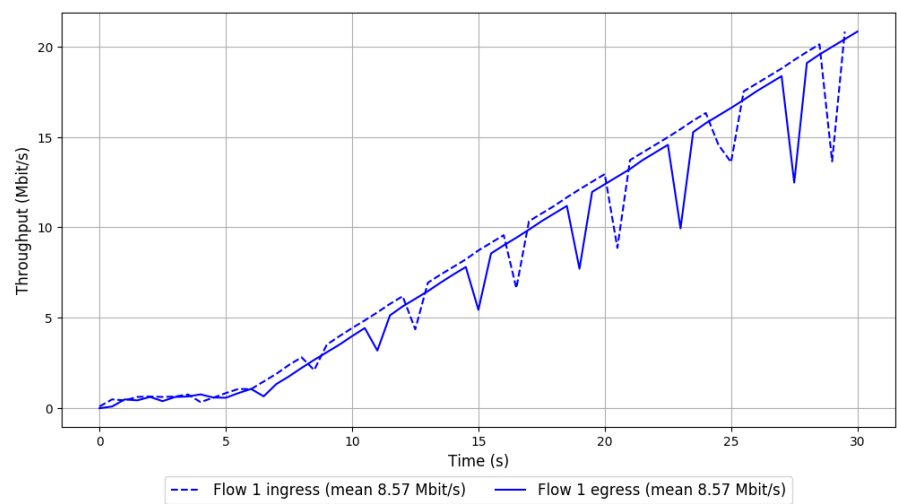


Run 2: Statistics of LEDBAT

Start at: 2018-08-09 20:34:36
End at: 2018-08-09 20:35:06
Local clock offset: -0.209 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-08-10 01:28:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 8.57 Mbit/s
95th percentile per-packet one-way delay: 87.555 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 8.57 Mbit/s
95th percentile per-packet one-way delay: 87.555 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

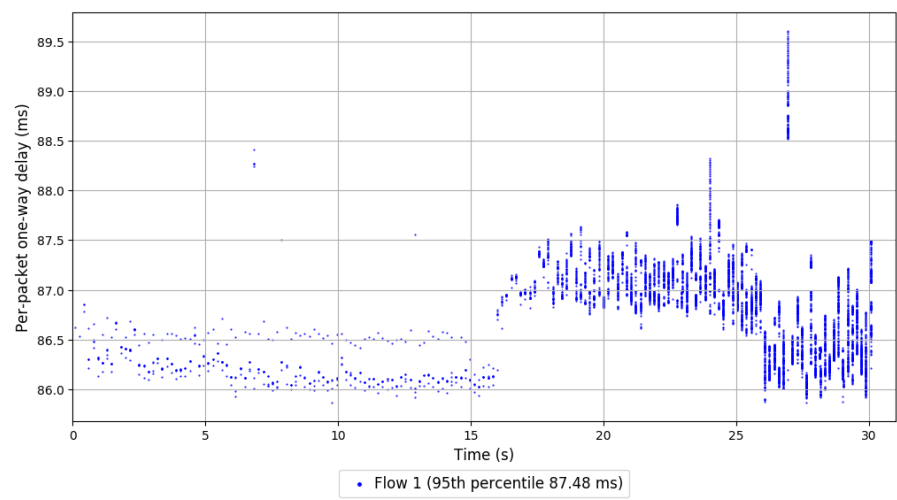
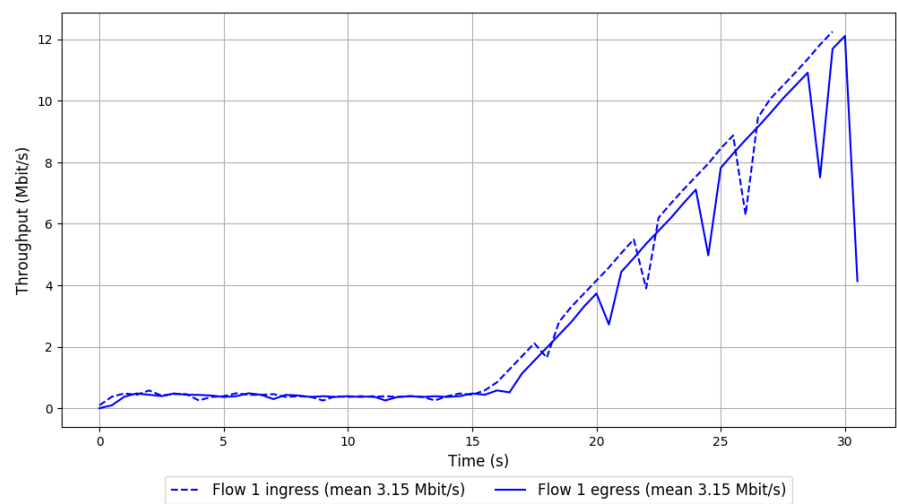


Run 3: Statistics of LEDBAT

Start at: 2018-08-09 20:57:52
End at: 2018-08-09 20:58:23
Local clock offset: -0.022 ms
Remote clock offset: -0.258 ms

Below is generated by plot.py at 2018-08-10 01:28:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.15 Mbit/s
95th percentile per-packet one-way delay: 87.482 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.15 Mbit/s
95th percentile per-packet one-way delay: 87.482 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

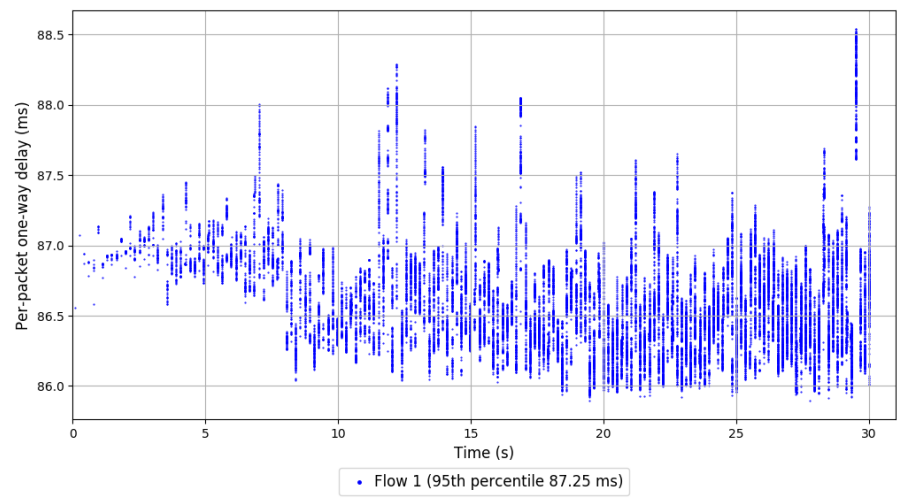
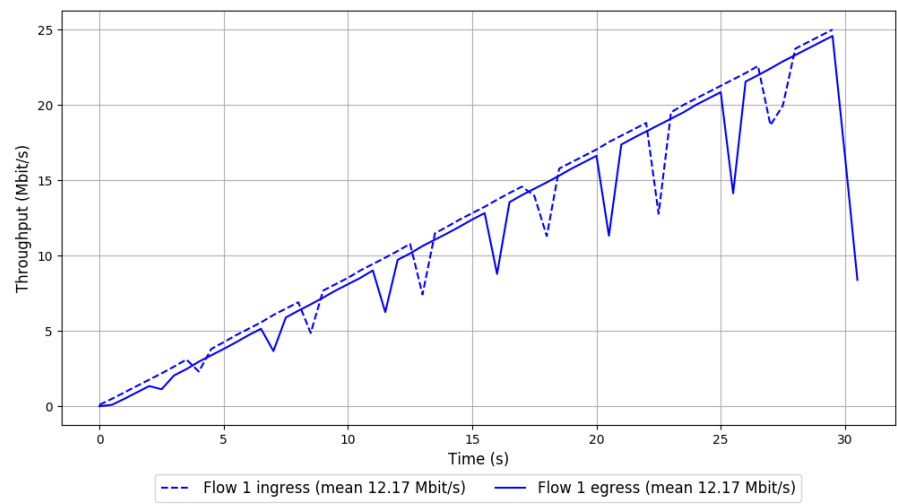


Run 4: Statistics of LEDBAT

Start at: 2018-08-09 21:21:11
End at: 2018-08-09 21:21:41
Local clock offset: -0.241 ms
Remote clock offset: -0.344 ms

Below is generated by plot.py at 2018-08-10 01:28:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.17 Mbit/s
95th percentile per-packet one-way delay: 87.248 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.17 Mbit/s
95th percentile per-packet one-way delay: 87.248 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

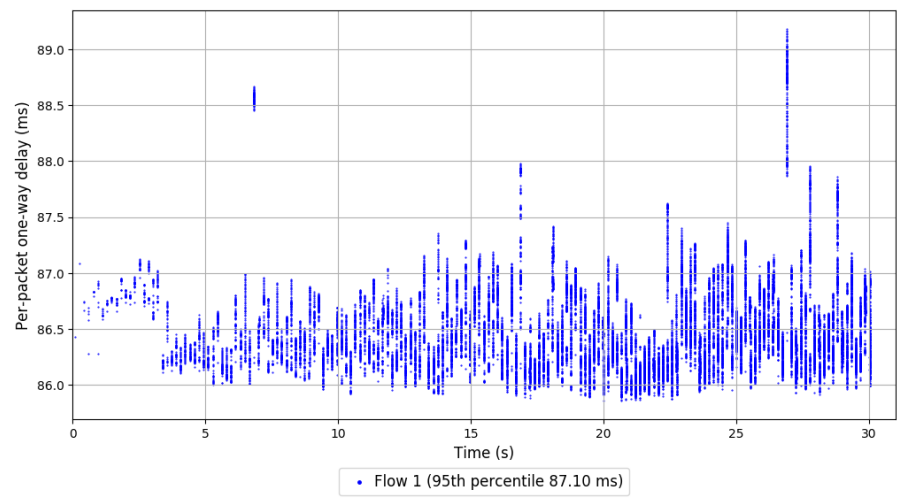
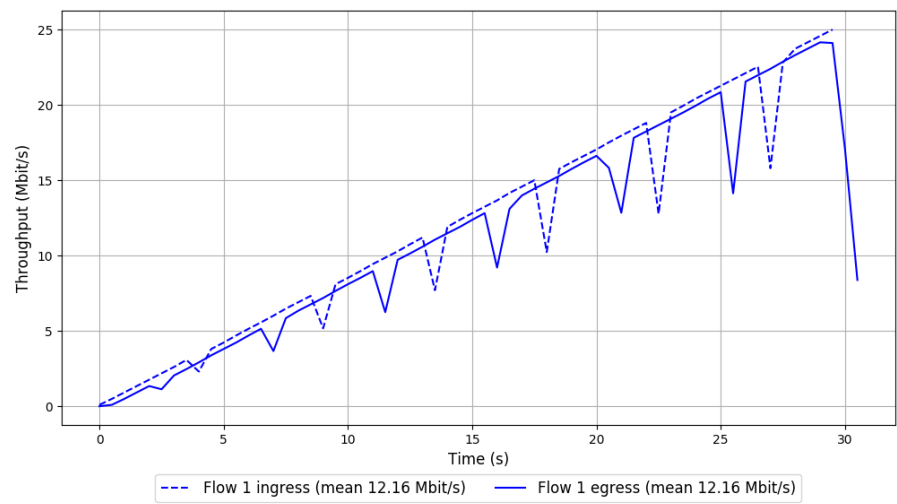


Run 5: Statistics of LEDBAT

Start at: 2018-08-09 21:44:25
End at: 2018-08-09 21:44:55
Local clock offset: -0.142 ms
Remote clock offset: -0.479 ms

Below is generated by plot.py at 2018-08-10 01:28:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.16 Mbit/s
95th percentile per-packet one-way delay: 87.100 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.16 Mbit/s
95th percentile per-packet one-way delay: 87.100 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

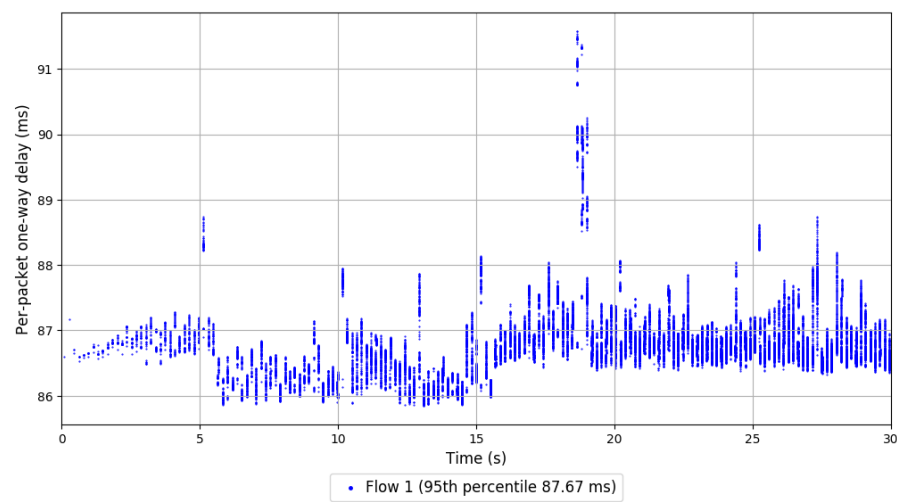
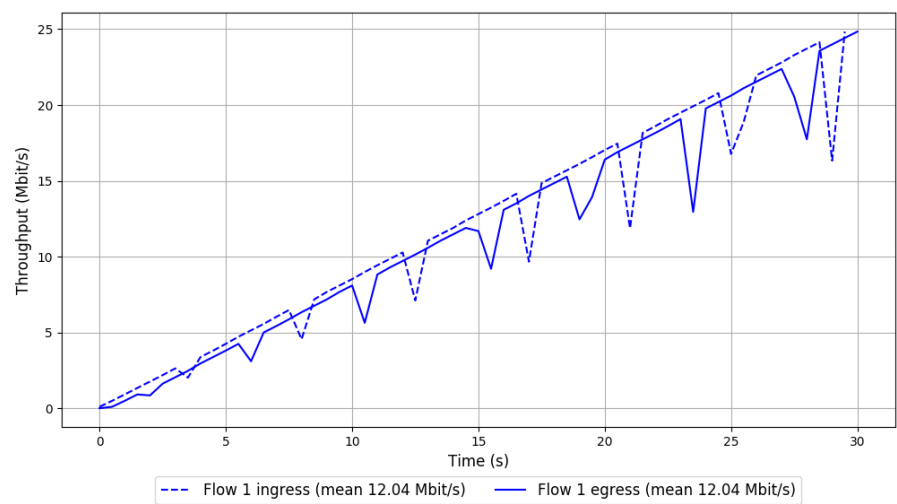


Run 6: Statistics of LEDBAT

Start at: 2018-08-09 22:07:43
End at: 2018-08-09 22:08:13
Local clock offset: -0.094 ms
Remote clock offset: -0.164 ms

Below is generated by plot.py at 2018-08-10 01:28:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.04 Mbit/s
95th percentile per-packet one-way delay: 87.668 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.04 Mbit/s
95th percentile per-packet one-way delay: 87.668 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-08-09 22:30:57

End at: 2018-08-09 22:31:27

Local clock offset: -0.145 ms

Remote clock offset: 0.237 ms

Below is generated by plot.py at 2018-08-10 01:28:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.15 Mbit/s

95th percentile per-packet one-way delay: 87.988 ms

Loss rate: 0.00%

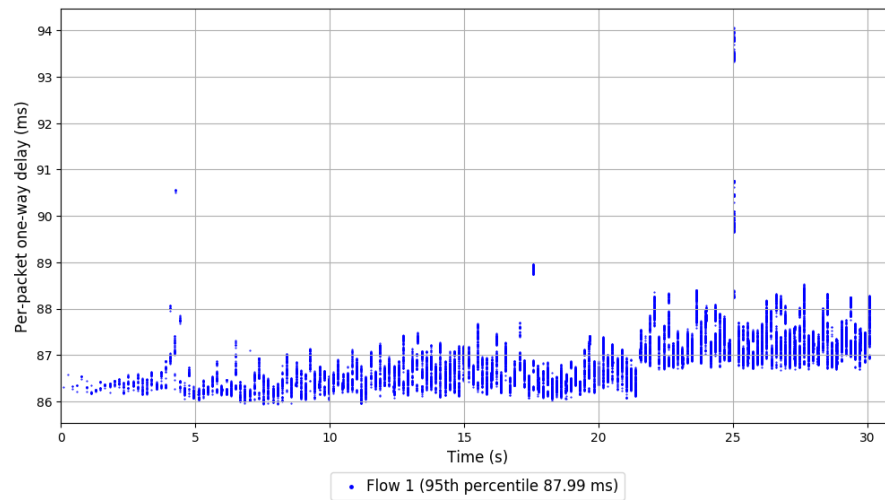
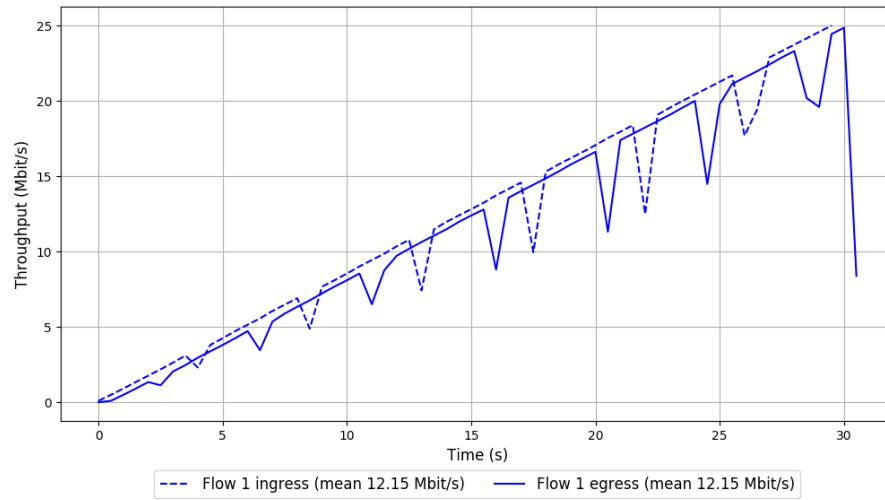
-- Flow 1:

Average throughput: 12.15 Mbit/s

95th percentile per-packet one-way delay: 87.988 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

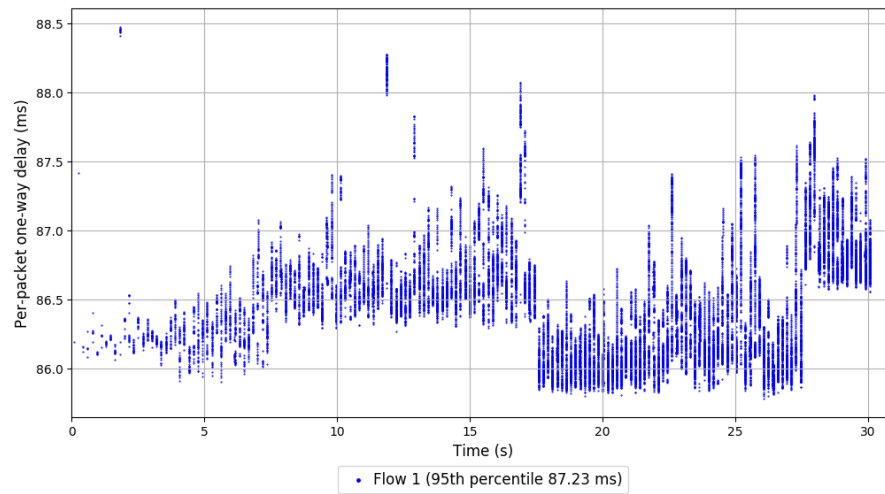
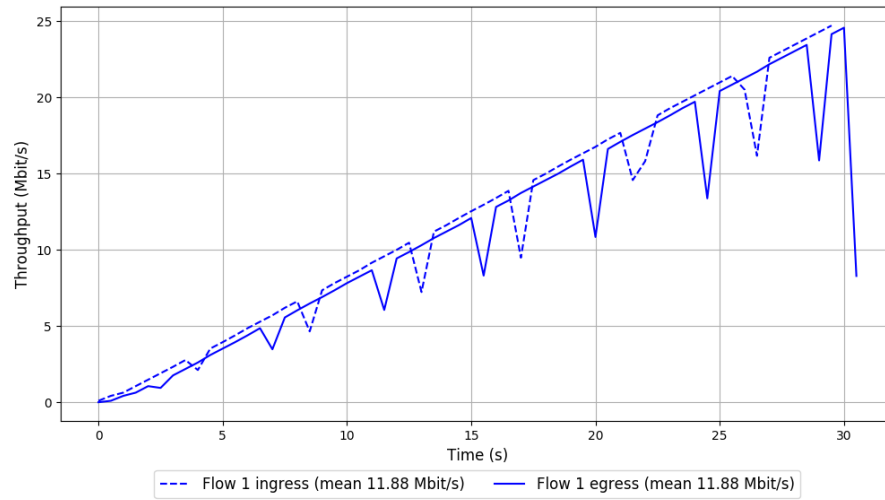


Run 8: Statistics of LEDBAT

Start at: 2018-08-09 22:54:21
End at: 2018-08-09 22:54:51
Local clock offset: -0.12 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-08-10 01:28:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.88 Mbit/s
95th percentile per-packet one-way delay: 87.234 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.88 Mbit/s
95th percentile per-packet one-way delay: 87.234 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

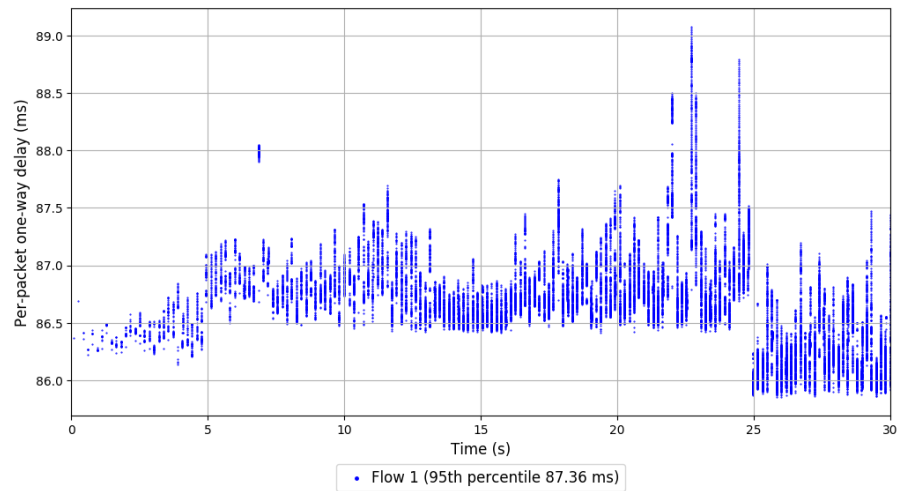
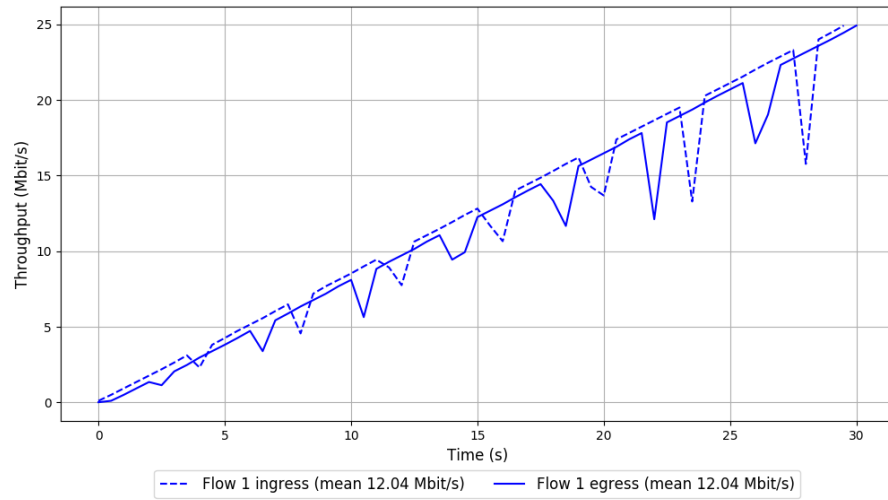


Run 9: Statistics of LEDBAT

Start at: 2018-08-09 23:17:24
End at: 2018-08-09 23:17:54
Local clock offset: -0.172 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-08-10 01:28:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.04 Mbit/s
95th percentile per-packet one-way delay: 87.357 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.04 Mbit/s
95th percentile per-packet one-way delay: 87.357 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

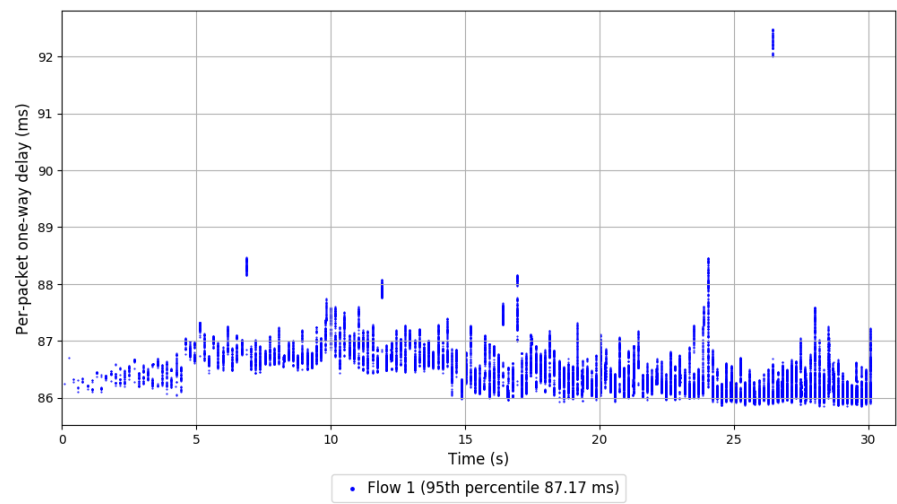
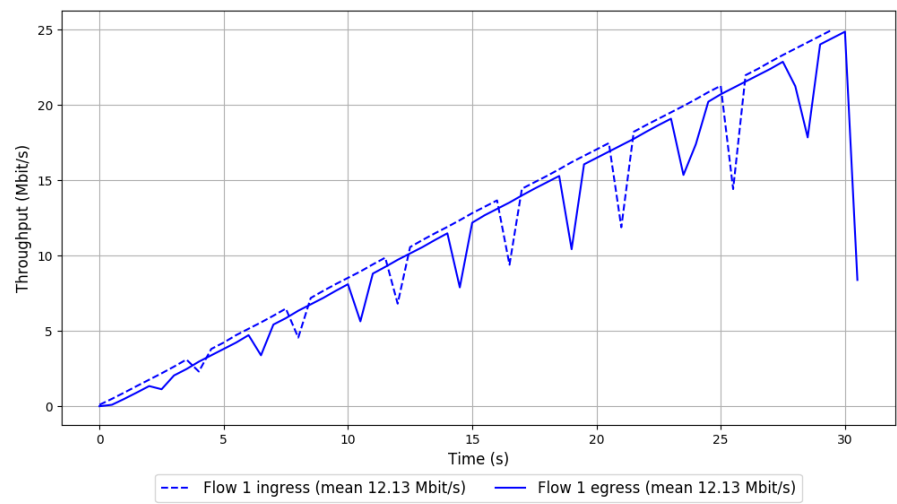


Run 10: Statistics of LEDBAT

Start at: 2018-08-09 23:40:24
End at: 2018-08-09 23:40:54
Local clock offset: -0.129 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-08-10 01:28:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.13 Mbit/s
95th percentile per-packet one-way delay: 87.175 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.13 Mbit/s
95th percentile per-packet one-way delay: 87.175 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

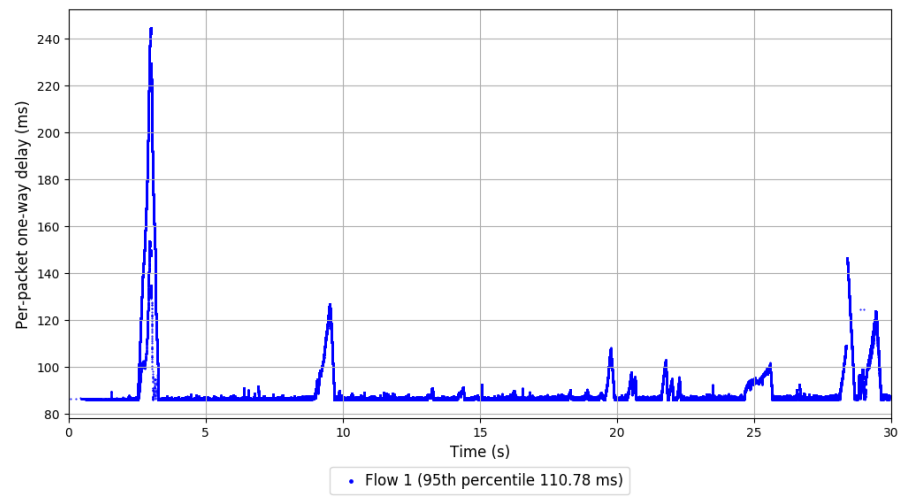
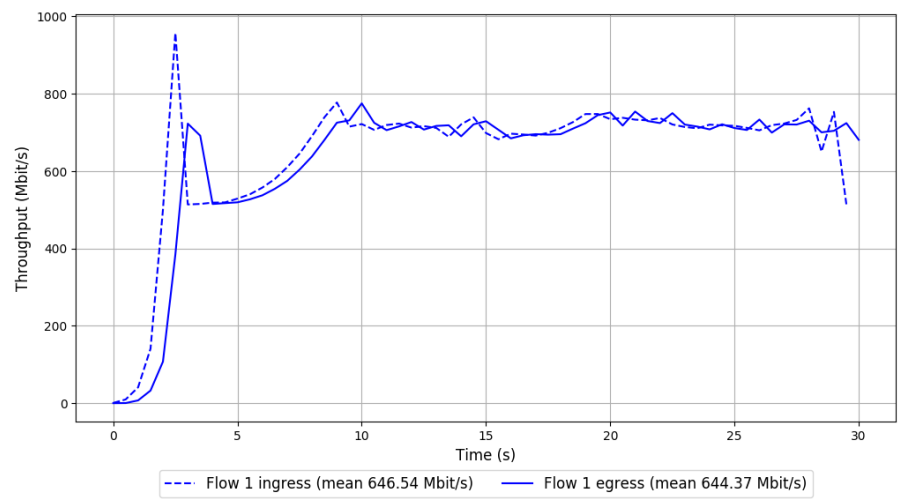


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-09 20:30:23
End at: 2018-08-09 20:30:53
Local clock offset: -0.143 ms
Remote clock offset: -0.107 ms

# Below is generated by plot.py at 2018-08-10 01:33:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 644.37 Mbit/s
95th percentile per-packet one-way delay: 110.775 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 644.37 Mbit/s
95th percentile per-packet one-way delay: 110.775 ms
Loss rate: 0.33%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-09 20:53:36

End at: 2018-08-09 20:54:06

Local clock offset: -0.016 ms

Remote clock offset: -0.191 ms

Below is generated by plot.py at 2018-08-10 01:33:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 648.77 Mbit/s

95th percentile per-packet one-way delay: 158.384 ms

Loss rate: 1.60%

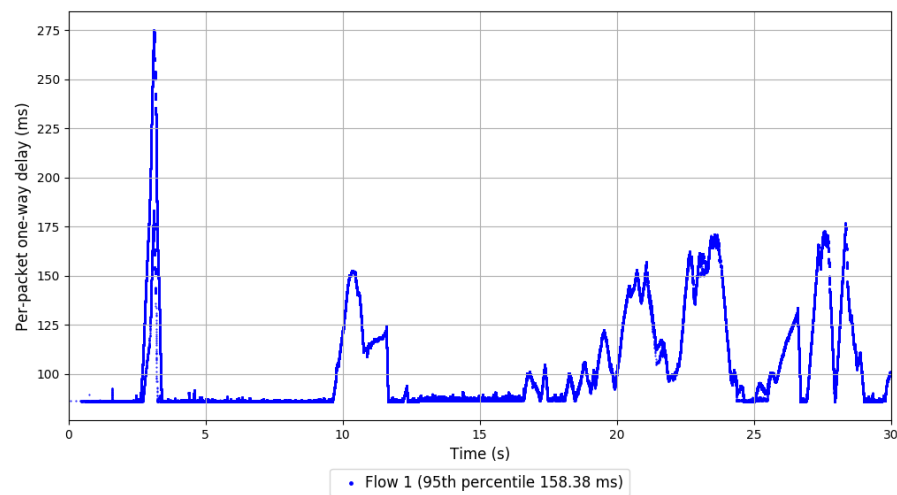
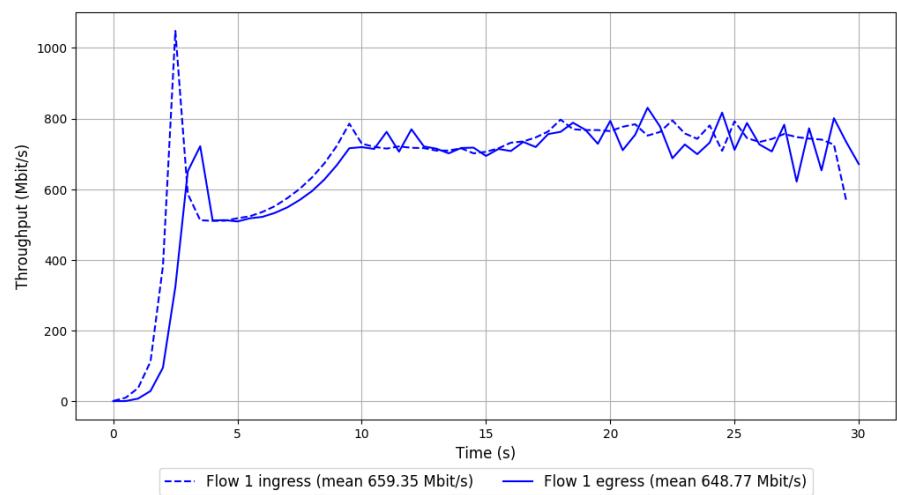
-- Flow 1:

Average throughput: 648.77 Mbit/s

95th percentile per-packet one-way delay: 158.384 ms

Loss rate: 1.60%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-09 21:16:56

End at: 2018-08-09 21:17:26

Local clock offset: 0.022 ms

Remote clock offset: -0.361 ms

Below is generated by plot.py at 2018-08-10 01:33:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 569.81 Mbit/s

95th percentile per-packet one-way delay: 113.255 ms

Loss rate: 1.00%

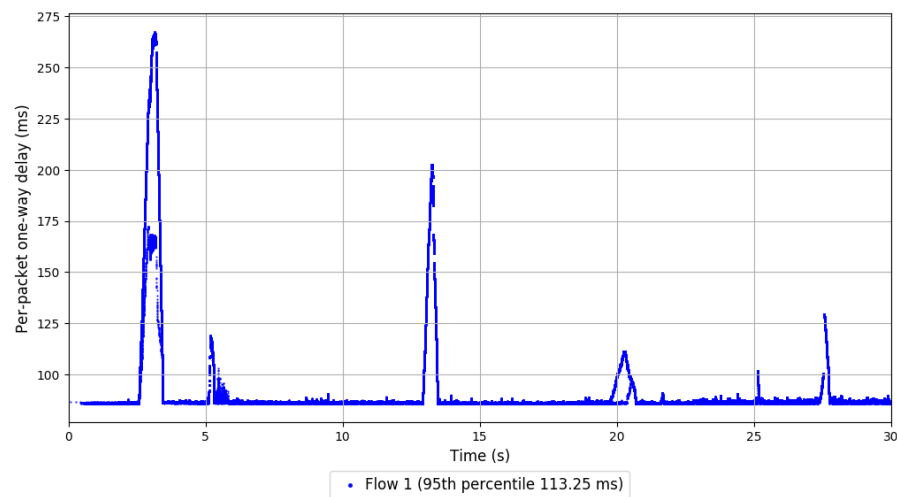
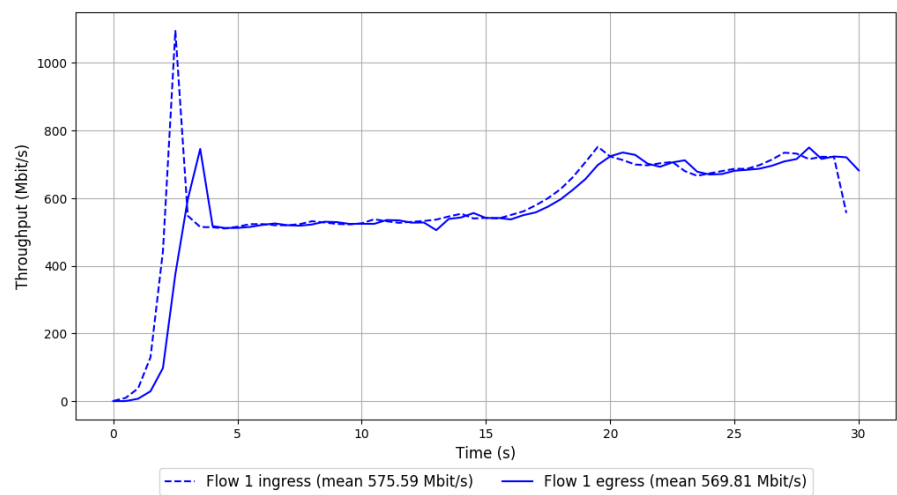
-- Flow 1:

Average throughput: 569.81 Mbit/s

95th percentile per-packet one-way delay: 113.255 ms

Loss rate: 1.00%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-09 21:40:09

End at: 2018-08-09 21:40:39

Local clock offset: 0.063 ms

Remote clock offset: -0.459 ms

Below is generated by plot.py at 2018-08-10 01:33:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 670.77 Mbit/s

95th percentile per-packet one-way delay: 213.902 ms

Loss rate: 1.50%

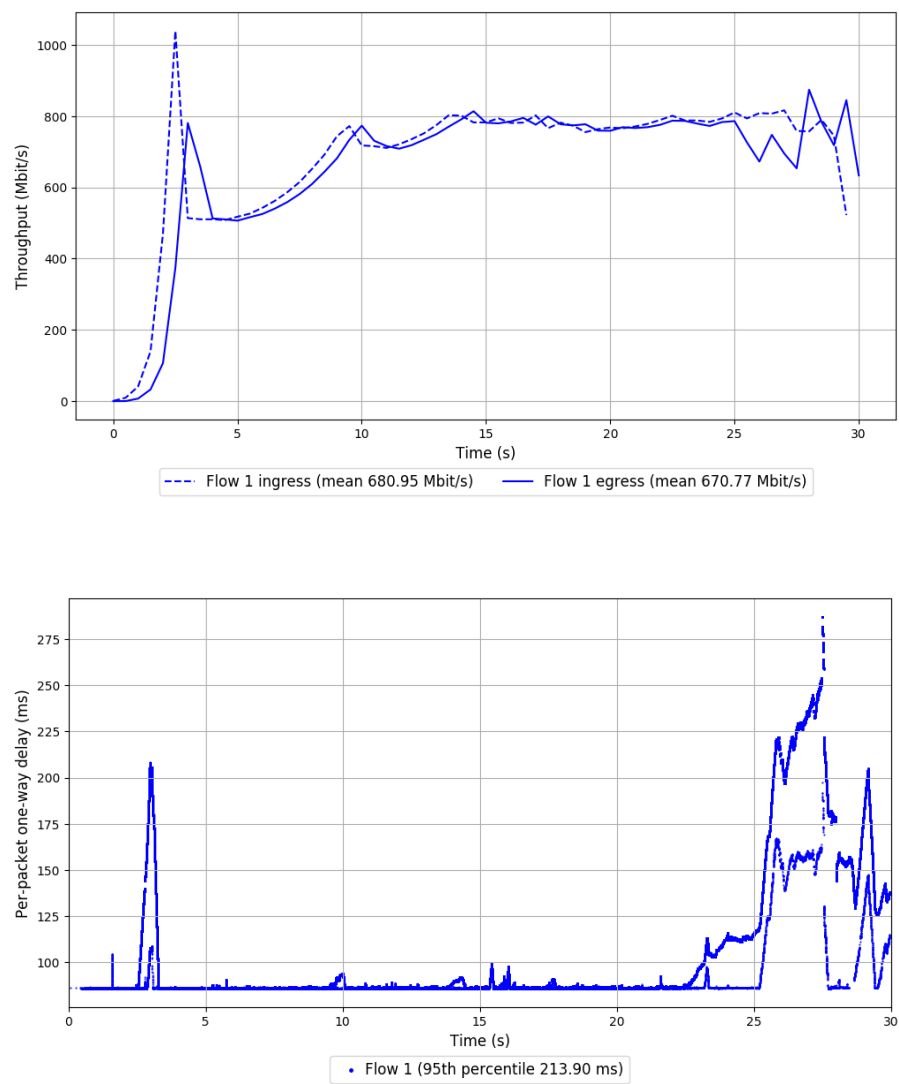
-- Flow 1:

Average throughput: 670.77 Mbit/s

95th percentile per-packet one-way delay: 213.902 ms

Loss rate: 1.50%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-09 22:03:27

End at: 2018-08-09 22:03:57

Local clock offset: -0.125 ms

Remote clock offset: -0.25 ms

Below is generated by plot.py at 2018-08-10 01:38:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 618.12 Mbit/s

95th percentile per-packet one-way delay: 136.753 ms

Loss rate: 0.49%

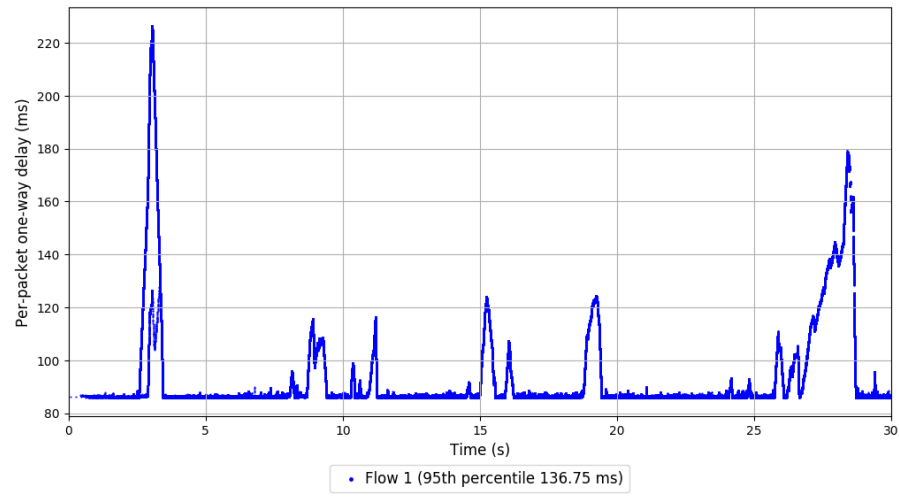
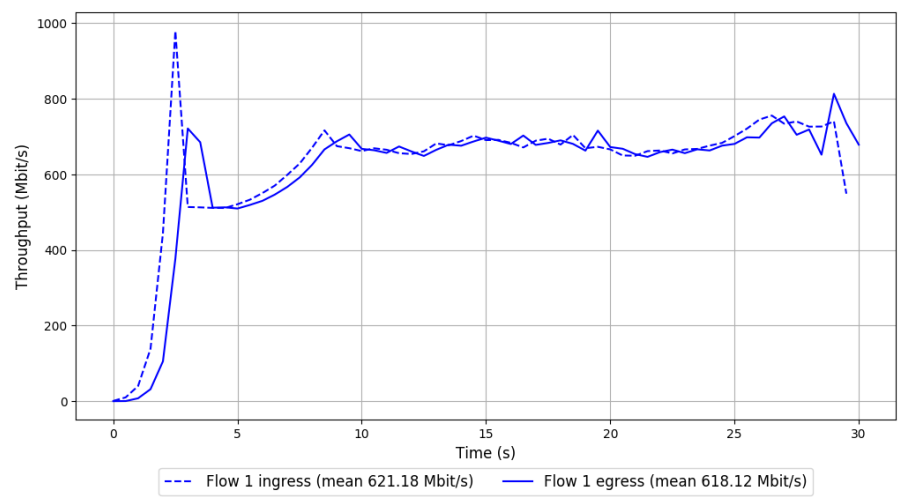
-- Flow 1:

Average throughput: 618.12 Mbit/s

95th percentile per-packet one-way delay: 136.753 ms

Loss rate: 0.49%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-09 22:26:42

End at: 2018-08-09 22:27:12

Local clock offset: 0.037 ms

Remote clock offset: 0.16 ms

Below is generated by plot.py at 2018-08-10 01:38:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 602.29 Mbit/s

95th percentile per-packet one-way delay: 158.264 ms

Loss rate: 0.83%

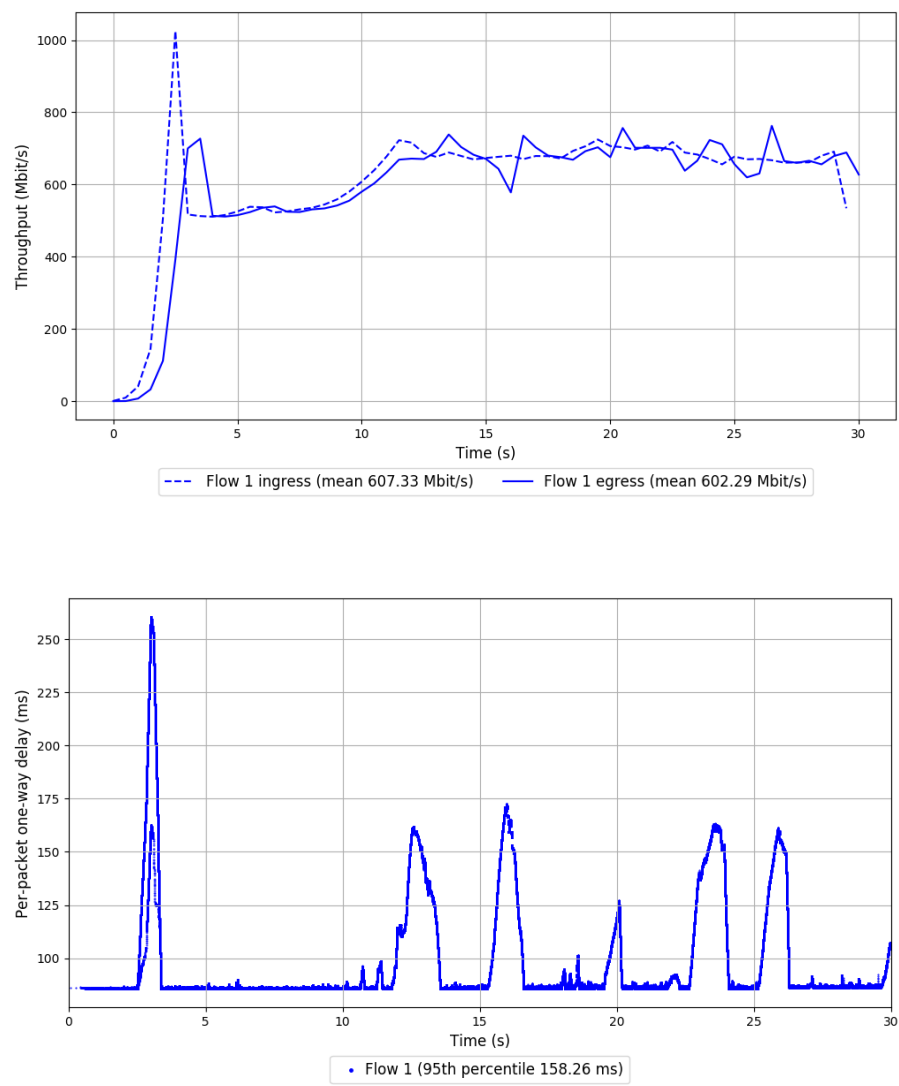
-- Flow 1:

Average throughput: 602.29 Mbit/s

95th percentile per-packet one-way delay: 158.264 ms

Loss rate: 0.83%

Run 6: Report of PCC-Allegro — Data Link

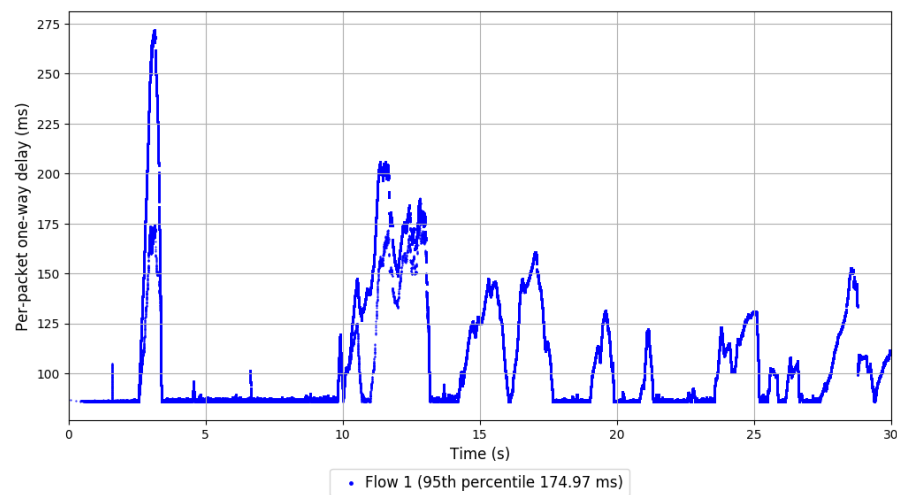
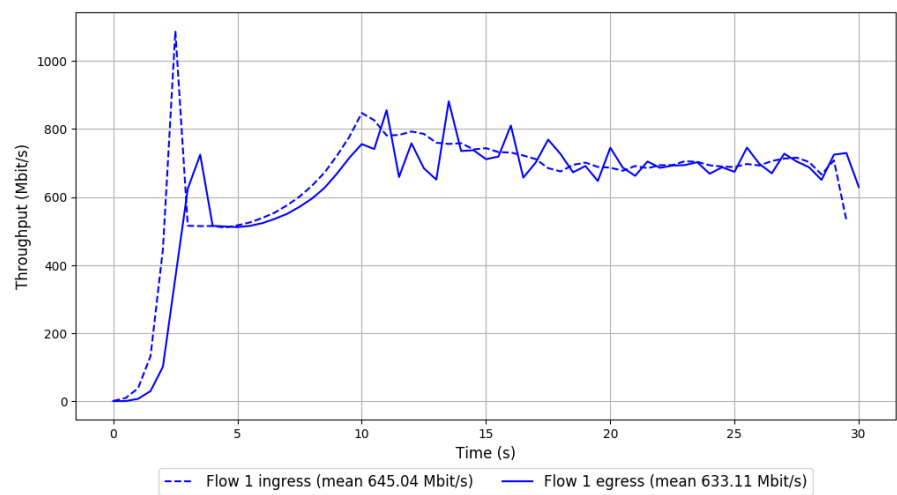


Run 7: Statistics of PCC-Allegro

Start at: 2018-08-09 22:50:05
End at: 2018-08-09 22:50:35
Local clock offset: -0.146 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-08-10 01:39:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 633.11 Mbit/s
95th percentile per-packet one-way delay: 174.967 ms
Loss rate: 1.85%
-- Flow 1:
Average throughput: 633.11 Mbit/s
95th percentile per-packet one-way delay: 174.967 ms
Loss rate: 1.85%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-09 23:13:07

End at: 2018-08-09 23:13:37

Local clock offset: -0.181 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-08-10 01:39:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 611.71 Mbit/s

95th percentile per-packet one-way delay: 155.477 ms

Loss rate: 0.90%

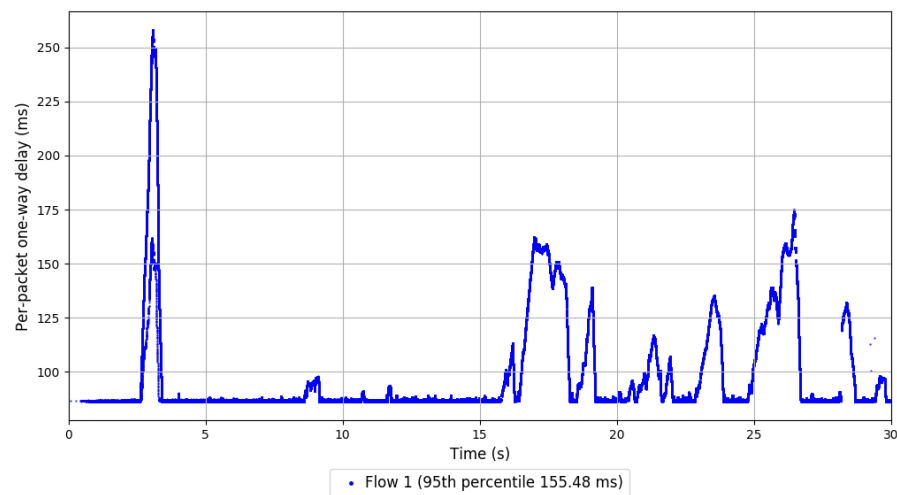
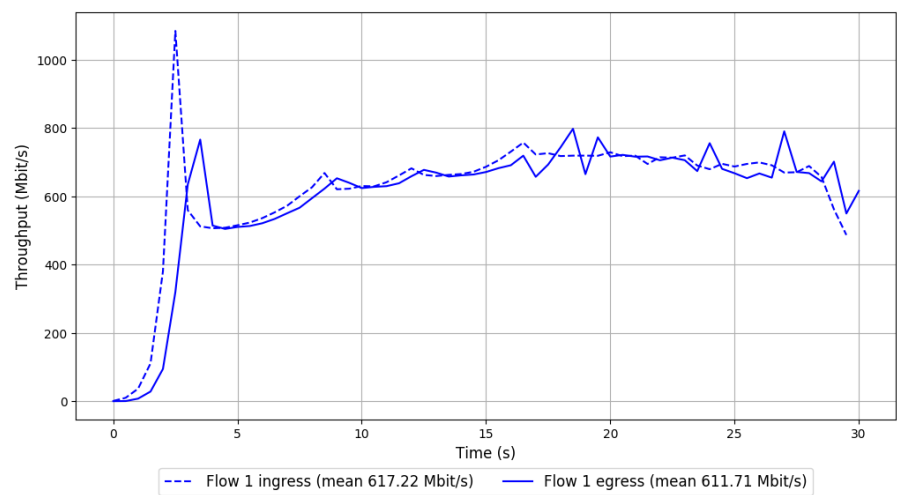
-- Flow 1:

Average throughput: 611.71 Mbit/s

95th percentile per-packet one-way delay: 155.477 ms

Loss rate: 0.90%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-09 23:36:14

End at: 2018-08-09 23:36:44

Local clock offset: -0.124 ms

Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-08-10 01:43:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 611.54 Mbit/s

95th percentile per-packet one-way delay: 112.682 ms

Loss rate: 0.46%

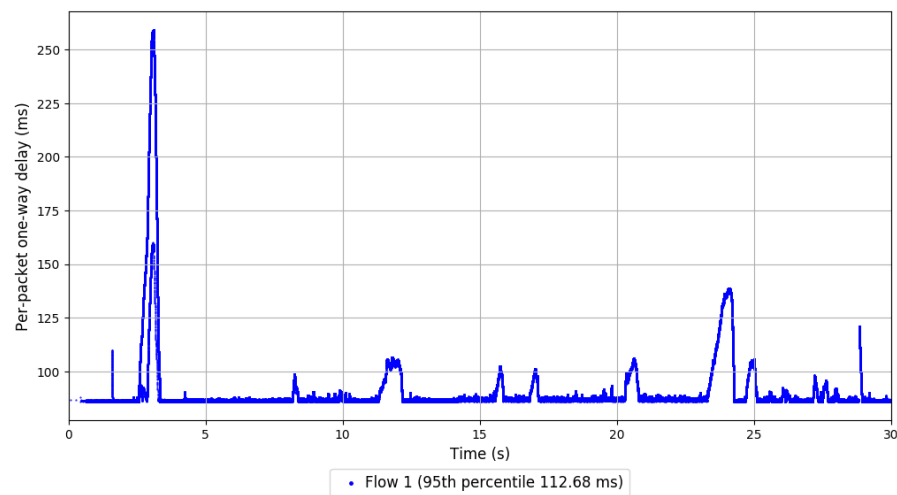
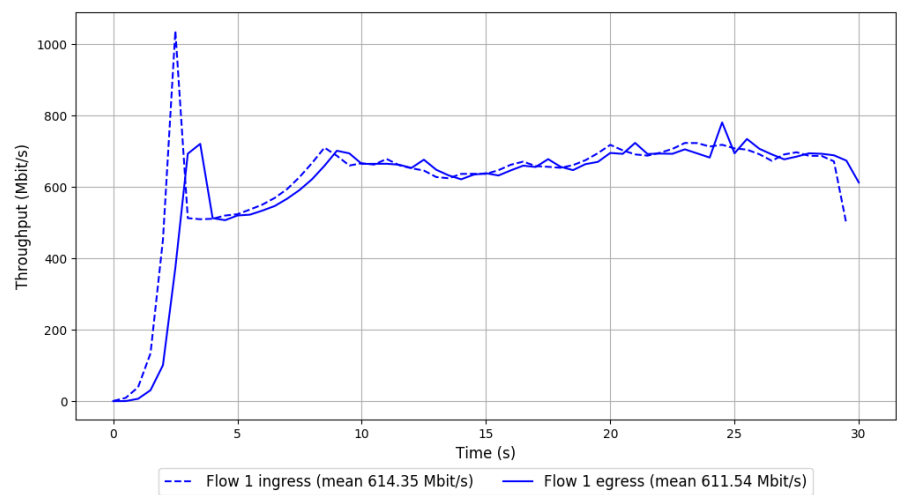
-- Flow 1:

Average throughput: 611.54 Mbit/s

95th percentile per-packet one-way delay: 112.682 ms

Loss rate: 0.46%

Run 9: Report of PCC-Allegro — Data Link

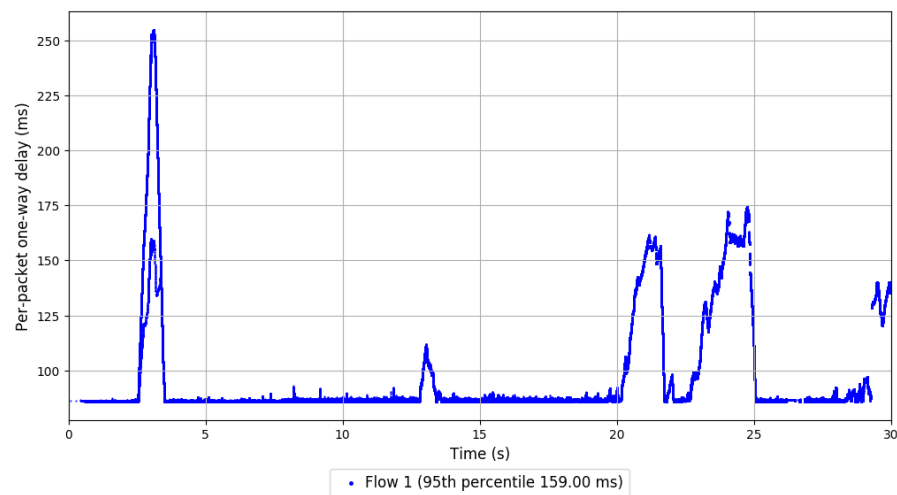
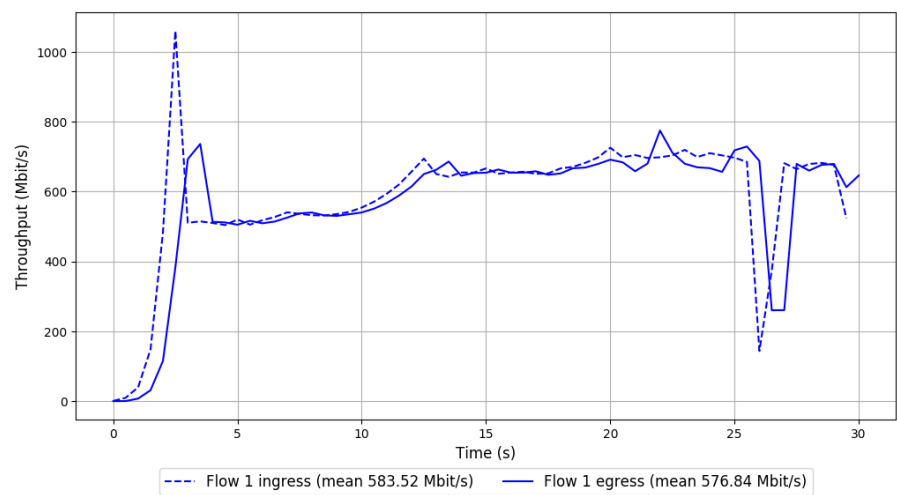


Run 10: Statistics of PCC-Allegro

Start at: 2018-08-09 23:59:21
End at: 2018-08-09 23:59:51
Local clock offset: -0.071 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-08-10 01:43:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 576.84 Mbit/s
95th percentile per-packet one-way delay: 159.002 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 576.84 Mbit/s
95th percentile per-packet one-way delay: 159.002 ms
Loss rate: 1.14%

Run 10: Report of PCC-Allegro — Data Link

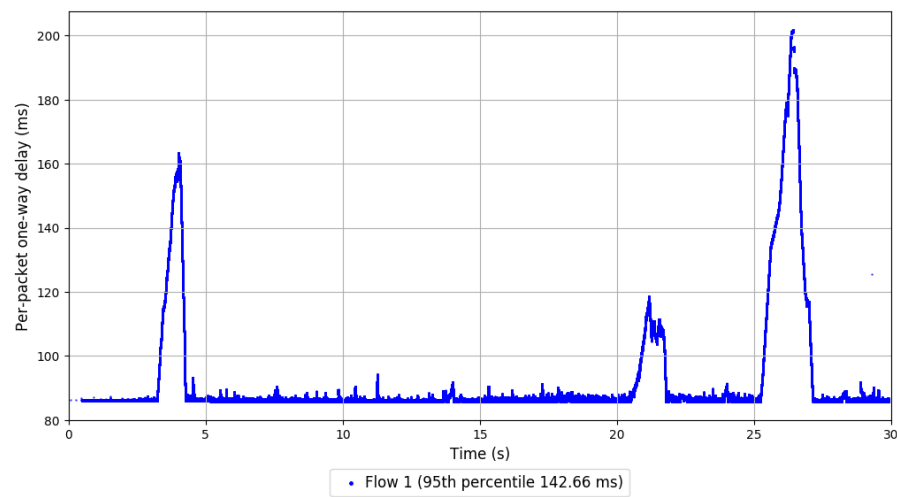
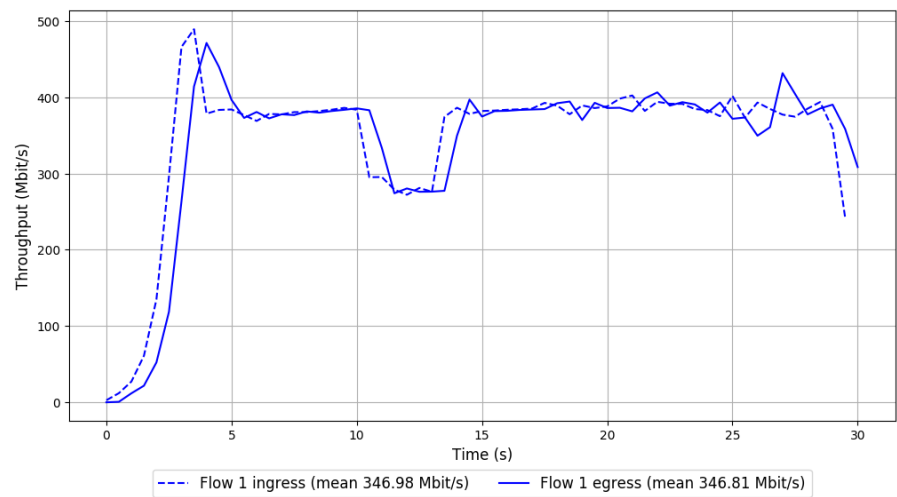


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-09 20:12:43
End at: 2018-08-09 20:13:13
Local clock offset: -0.14 ms
Remote clock offset: -0.117 ms

# Below is generated by plot.py at 2018-08-10 01:45:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 346.81 Mbit/s
95th percentile per-packet one-way delay: 142.661 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 346.81 Mbit/s
95th percentile per-packet one-way delay: 142.661 ms
Loss rate: 0.05%
```

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-08-09 20:35:44

End at: 2018-08-09 20:36:14

Local clock offset: -0.04 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-08-10 01:45:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 311.47 Mbit/s

95th percentile per-packet one-way delay: 151.127 ms

Loss rate: 0.26%

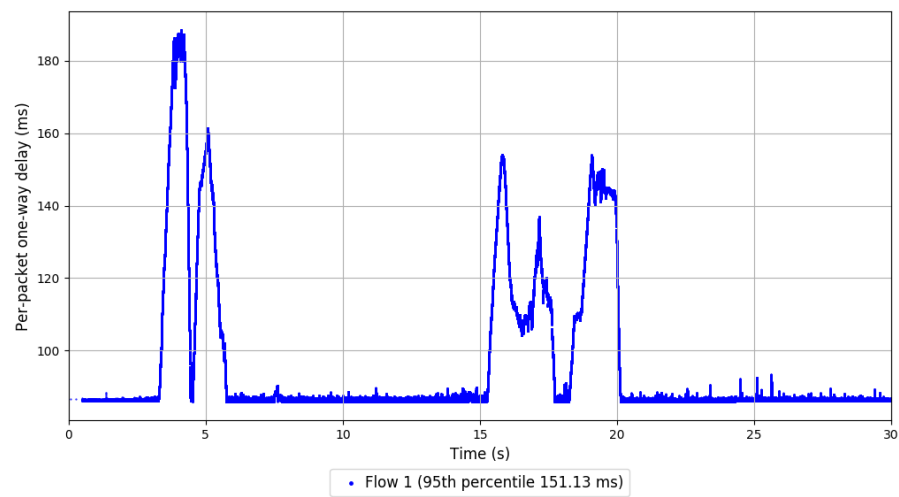
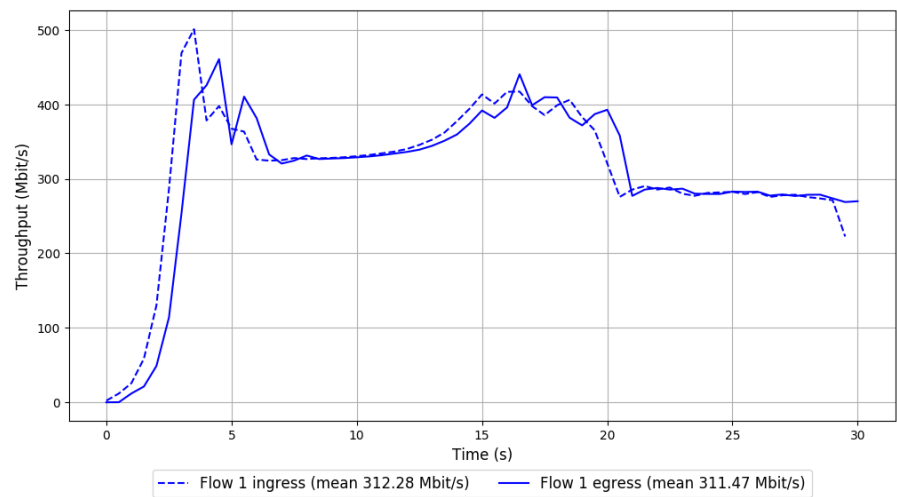
-- Flow 1:

Average throughput: 311.47 Mbit/s

95th percentile per-packet one-way delay: 151.127 ms

Loss rate: 0.26%

Run 2: Report of PCC-Expr — Data Link

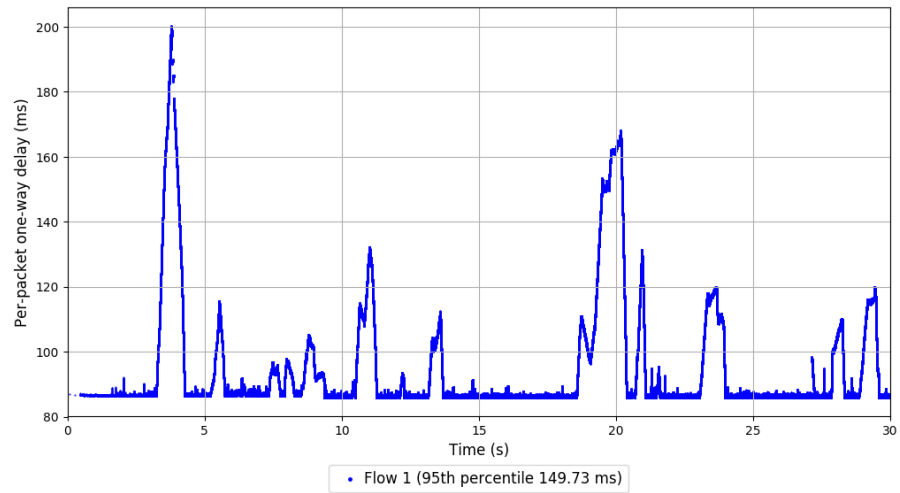
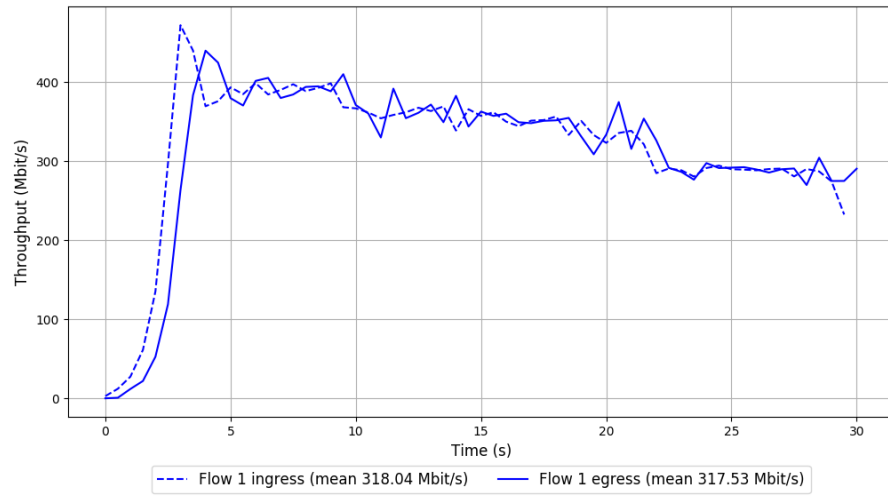


Run 3: Statistics of PCC-Expr

Start at: 2018-08-09 20:59:00
End at: 2018-08-09 20:59:30
Local clock offset: -0.177 ms
Remote clock offset: -0.235 ms

Below is generated by plot.py at 2018-08-10 01:48:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 317.53 Mbit/s
95th percentile per-packet one-way delay: 149.726 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 317.53 Mbit/s
95th percentile per-packet one-way delay: 149.726 ms
Loss rate: 0.16%

Run 3: Report of PCC-Expr — Data Link

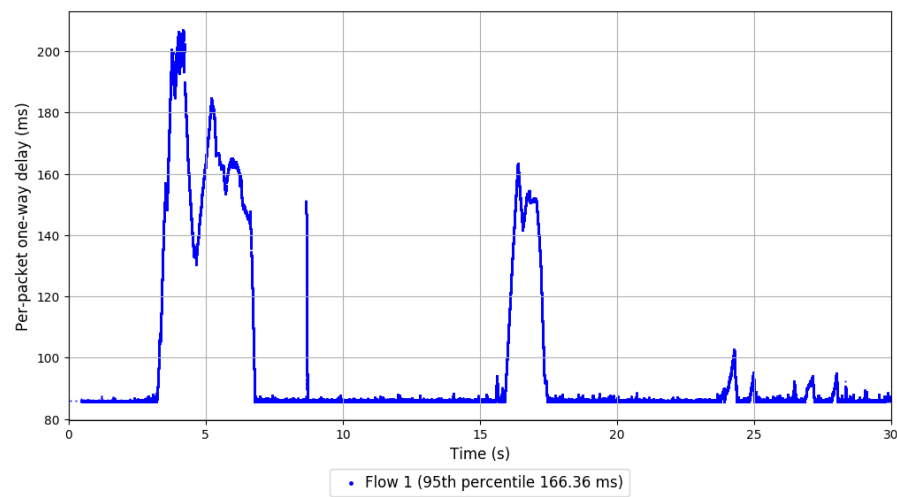
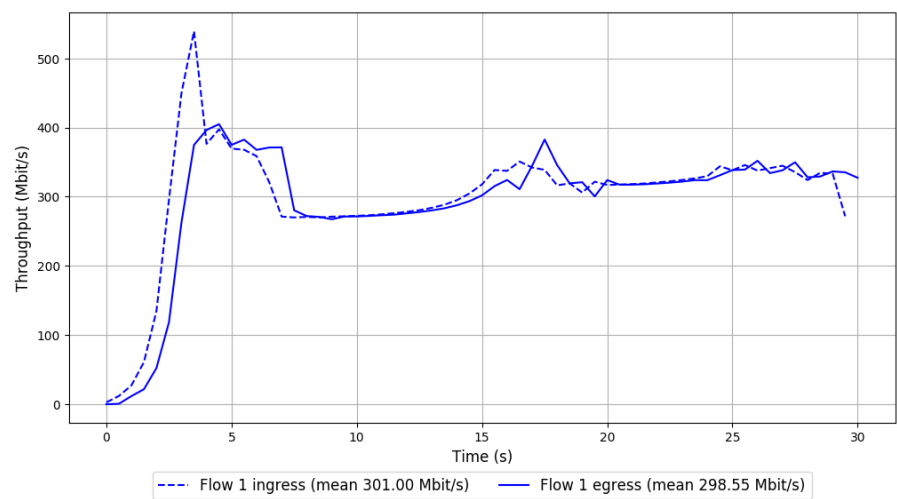


Run 4: Statistics of PCC-Expr

Start at: 2018-08-09 21:22:19
End at: 2018-08-09 21:22:49
Local clock offset: -0.031 ms
Remote clock offset: -0.358 ms

Below is generated by plot.py at 2018-08-10 01:48:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 298.55 Mbit/s
95th percentile per-packet one-way delay: 166.359 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 298.55 Mbit/s
95th percentile per-packet one-way delay: 166.359 ms
Loss rate: 0.81%

Run 4: Report of PCC-Expr — Data Link

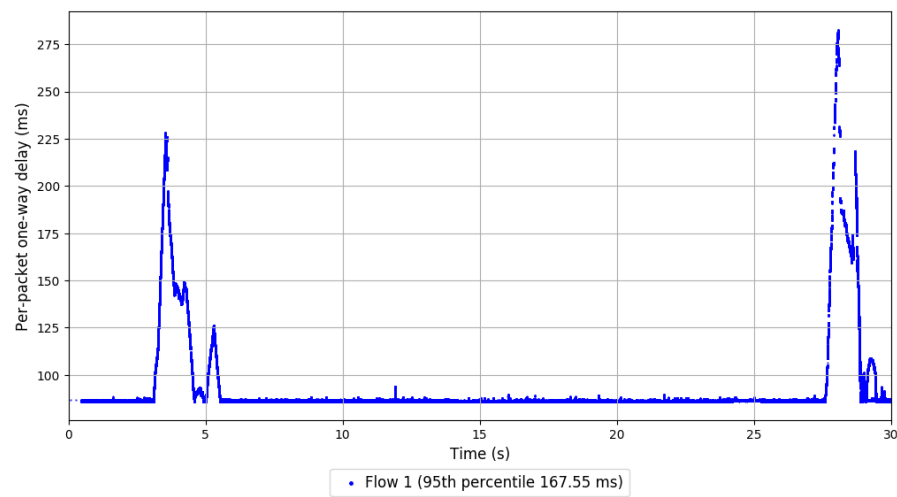
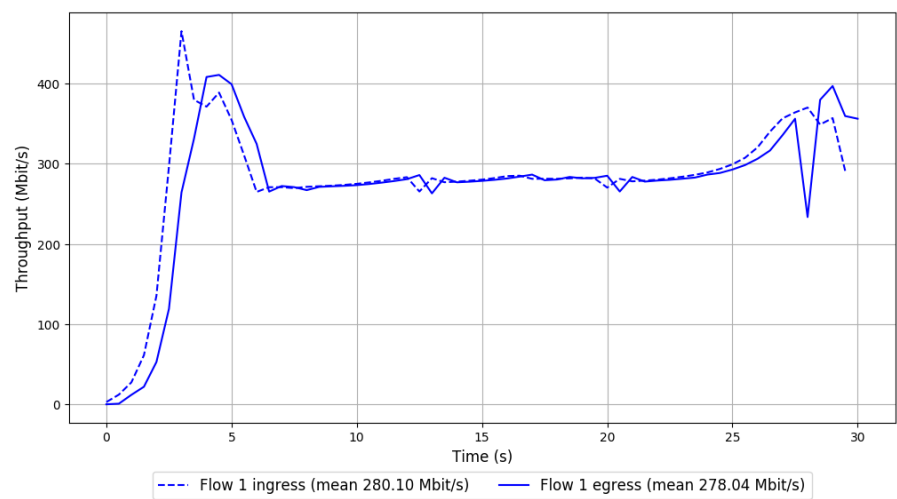


Run 5: Statistics of PCC-Expr

Start at: 2018-08-09 21:45:33
End at: 2018-08-09 21:46:03
Local clock offset: -0.086 ms
Remote clock offset: -0.444 ms

Below is generated by plot.py at 2018-08-10 01:48:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 278.04 Mbit/s
95th percentile per-packet one-way delay: 167.554 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 278.04 Mbit/s
95th percentile per-packet one-way delay: 167.554 ms
Loss rate: 0.74%

Run 5: Report of PCC-Expr — Data Link

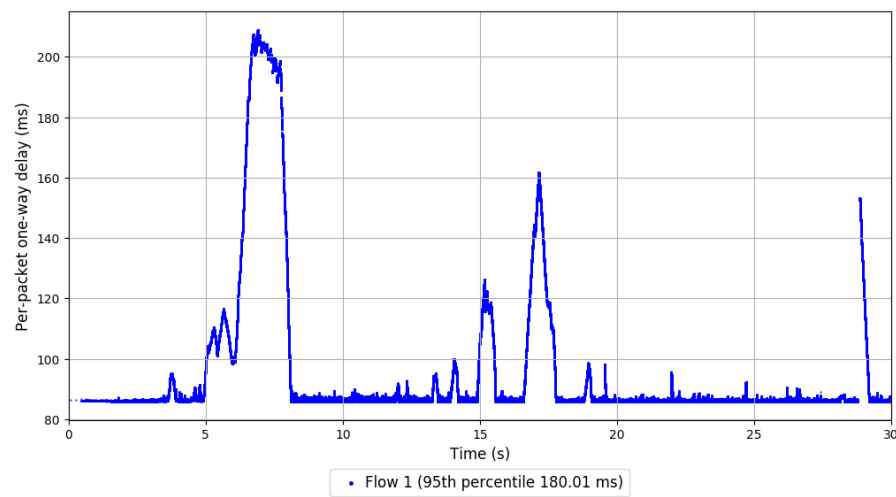
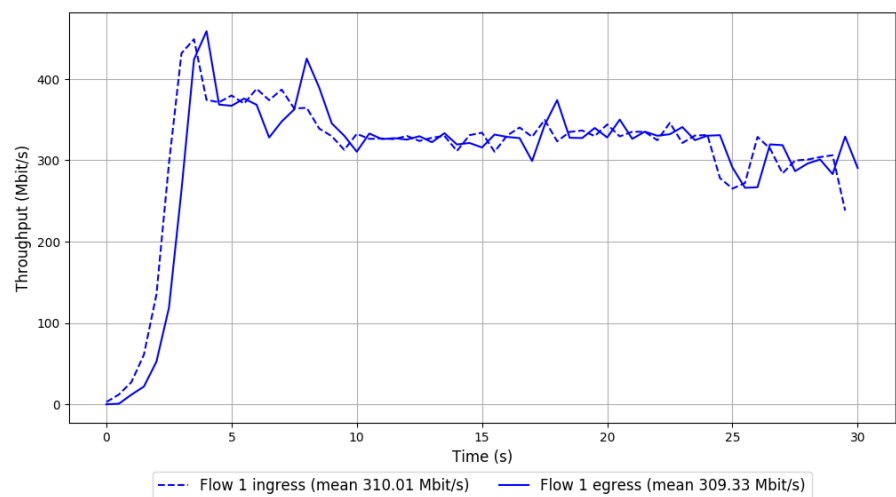


Run 6: Statistics of PCC-Expr

Start at: 2018-08-09 22:08:51
End at: 2018-08-09 22:09:21
Local clock offset: -0.161 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-08-10 01:50:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 309.33 Mbit/s
95th percentile per-packet one-way delay: 180.006 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 309.33 Mbit/s
95th percentile per-packet one-way delay: 180.006 ms
Loss rate: 0.22%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-08-09 22:32:05

End at: 2018-08-09 22:32:35

Local clock offset: 0.109 ms

Remote clock offset: 0.235 ms

Below is generated by plot.py at 2018-08-10 01:55:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 347.84 Mbit/s

95th percentile per-packet one-way delay: 141.530 ms

Loss rate: 0.00%

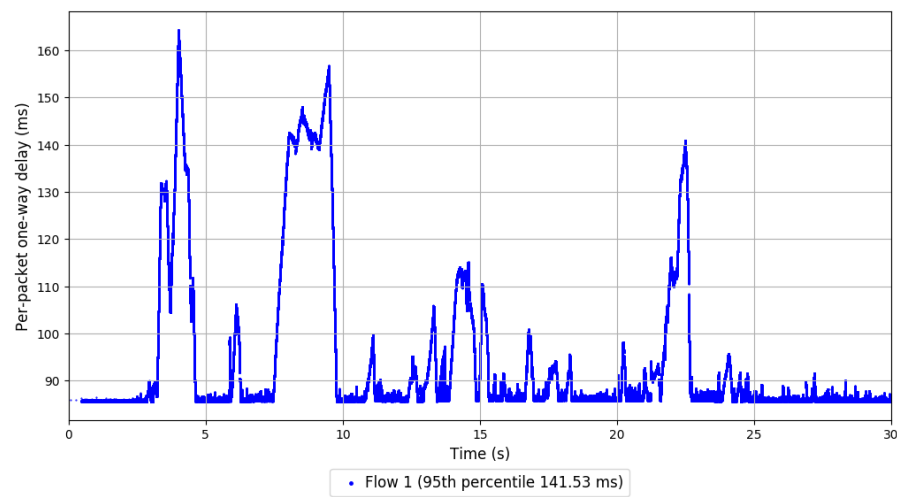
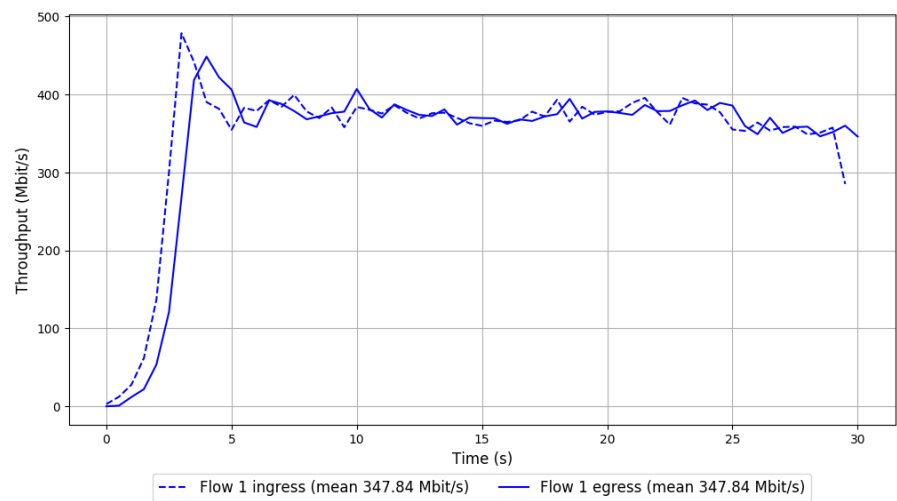
-- Flow 1:

Average throughput: 347.84 Mbit/s

95th percentile per-packet one-way delay: 141.530 ms

Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link

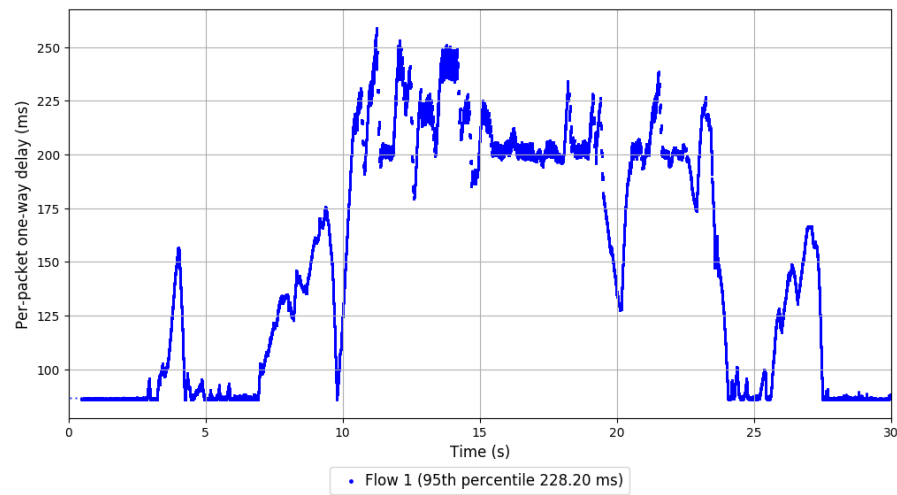
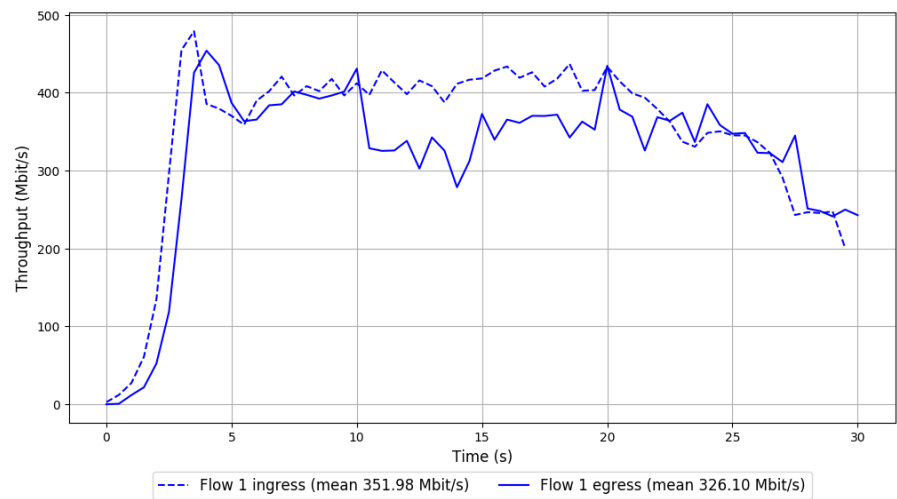


Run 8: Statistics of PCC-Expr

Start at: 2018-08-09 22:55:29
End at: 2018-08-09 22:55:59
Local clock offset: -0.177 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-08-10 01:55:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 326.10 Mbit/s
95th percentile per-packet one-way delay: 228.203 ms
Loss rate: 7.35%
-- Flow 1:
Average throughput: 326.10 Mbit/s
95th percentile per-packet one-way delay: 228.203 ms
Loss rate: 7.35%

Run 8: Report of PCC-Expr — Data Link

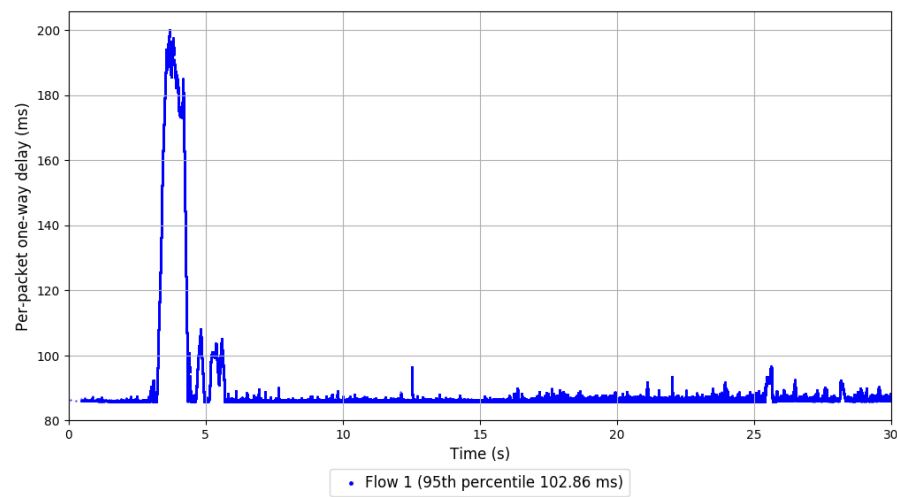
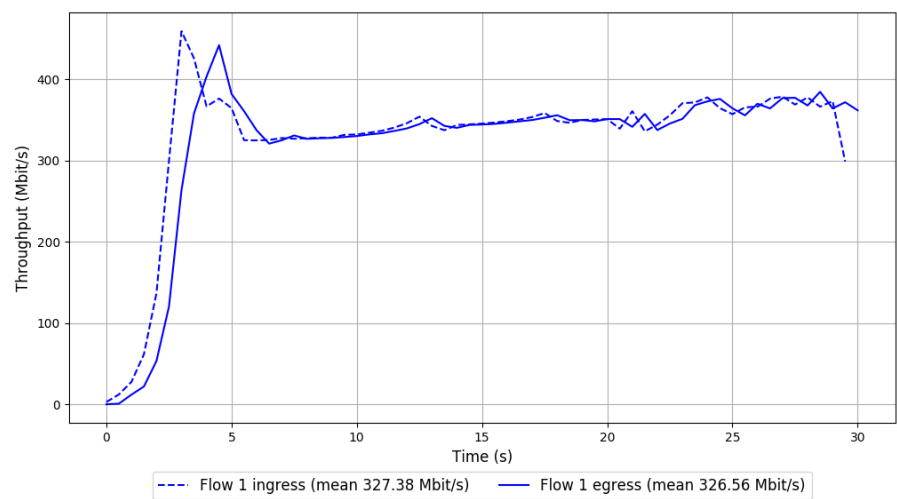


Run 9: Statistics of PCC-Expr

Start at: 2018-08-09 23:18:31
End at: 2018-08-09 23:19:01
Local clock offset: -0.055 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-08-10 01:55:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 326.56 Mbit/s
95th percentile per-packet one-way delay: 102.863 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 326.56 Mbit/s
95th percentile per-packet one-way delay: 102.863 ms
Loss rate: 0.25%

Run 9: Report of PCC-Expr — Data Link

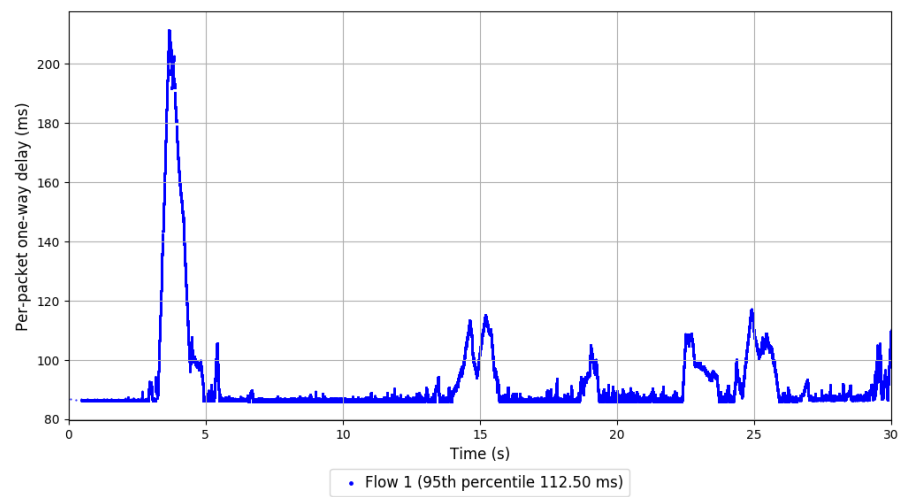
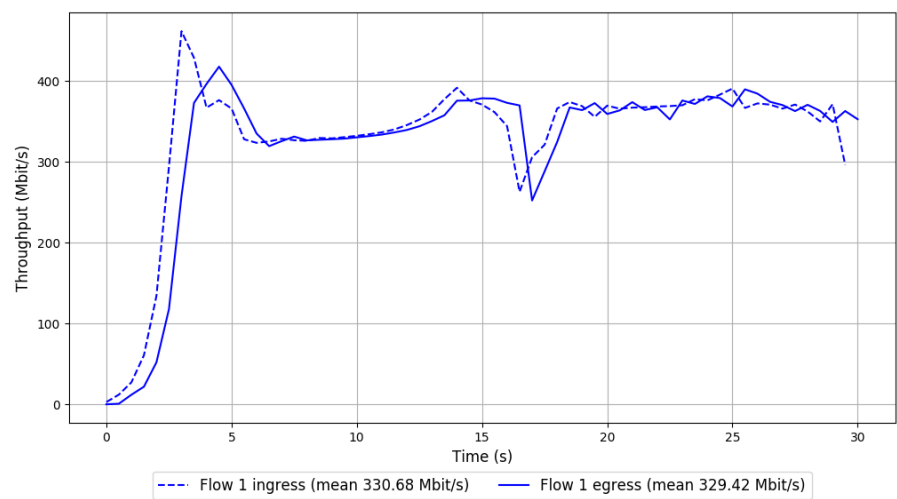


Run 10: Statistics of PCC-Expr

Start at: 2018-08-09 23:41:32
End at: 2018-08-09 23:42:02
Local clock offset: -0.146 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-08-10 01:57:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 329.42 Mbit/s
95th percentile per-packet one-way delay: 112.505 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 329.42 Mbit/s
95th percentile per-packet one-way delay: 112.505 ms
Loss rate: 0.38%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

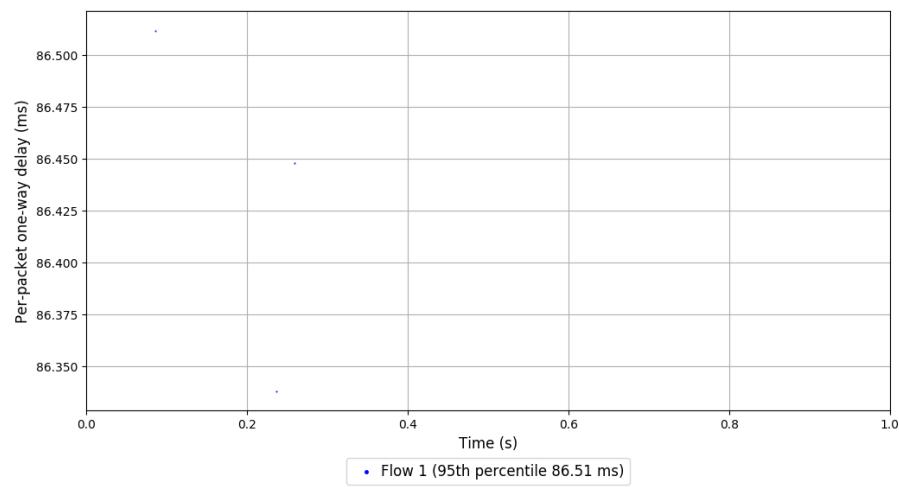
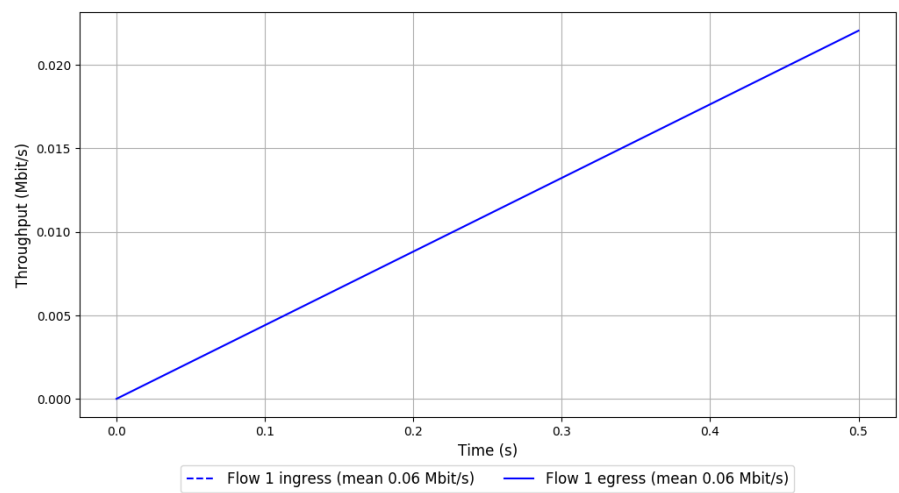
Start at: 2018-08-09 20:21:02

End at: 2018-08-09 20:21:32

Local clock offset: -0.06 ms

Remote clock offset: -0.081 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-08-09 20:44:04

End at: 2018-08-09 20:44:34

Local clock offset: 0.053 ms

Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-08-10 01:57:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.07 Mbit/s

95th percentile per-packet one-way delay: 86.138 ms

Loss rate: 0.00%

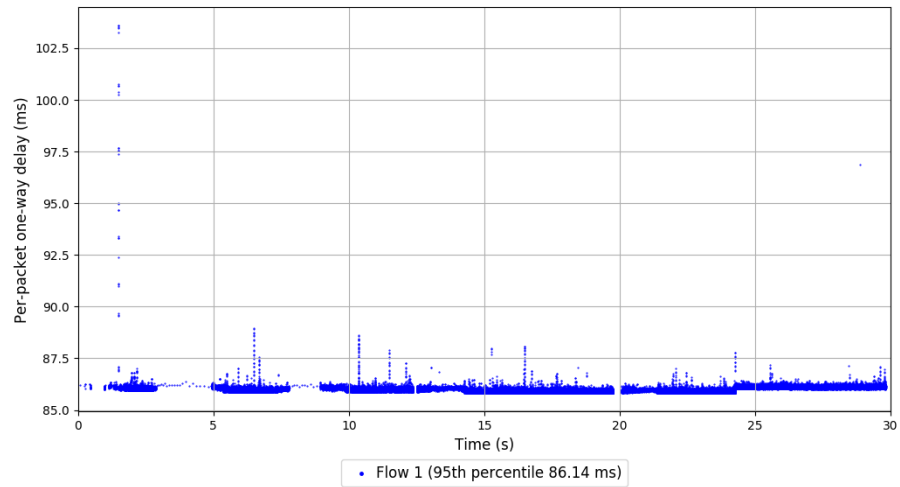
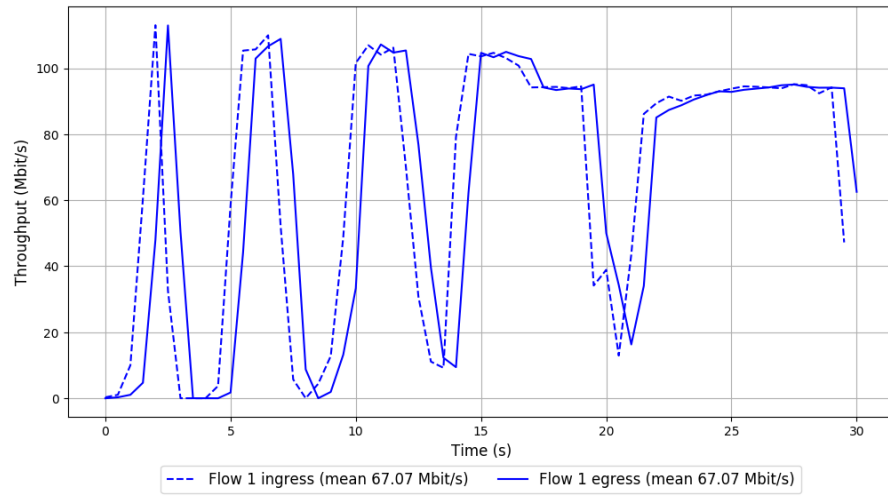
-- Flow 1:

Average throughput: 67.07 Mbit/s

95th percentile per-packet one-way delay: 86.138 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

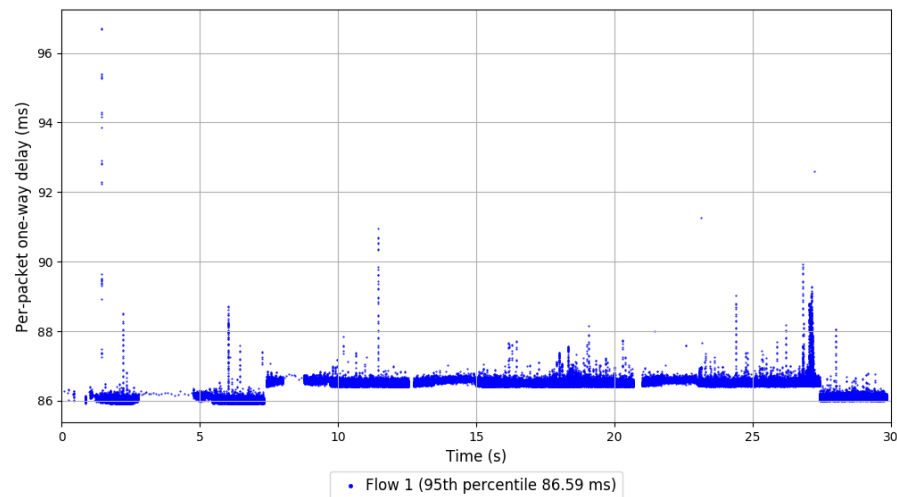
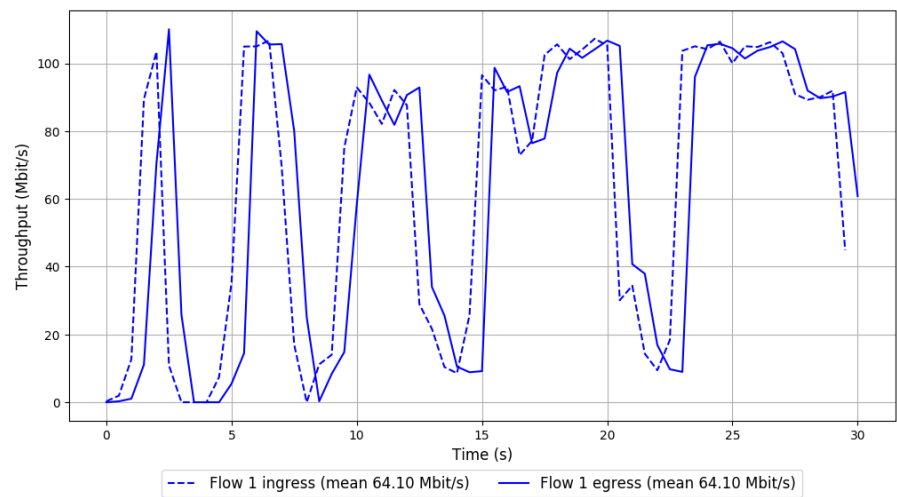


Run 3: Statistics of QUIC Cubic

Start at: 2018-08-09 21:07:21
End at: 2018-08-09 21:07:51
Local clock offset: -0.126 ms
Remote clock offset: -0.261 ms

Below is generated by plot.py at 2018-08-10 01:57:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 64.10 Mbit/s
95th percentile per-packet one-way delay: 86.592 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.10 Mbit/s
95th percentile per-packet one-way delay: 86.592 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

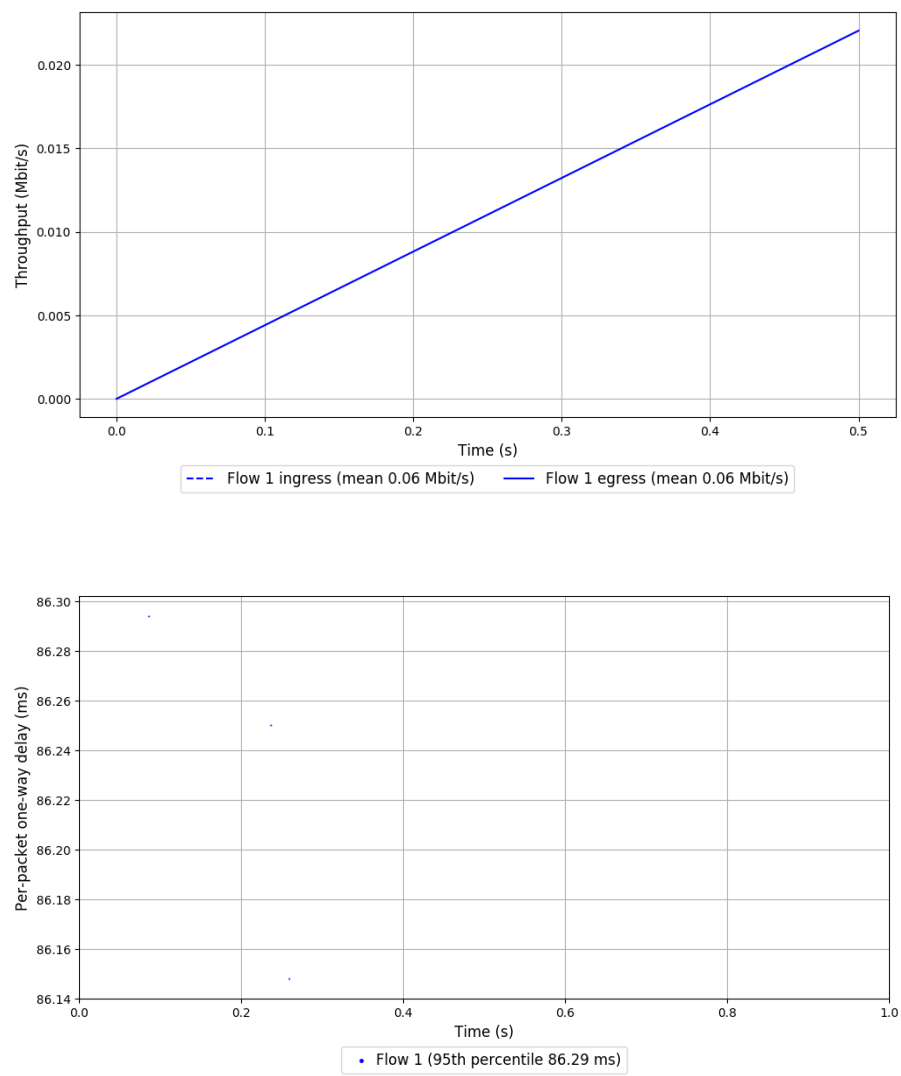
Start at: 2018-08-09 21:30:47

End at: 2018-08-09 21:31:17

Local clock offset: -0.033 ms

Remote clock offset: -0.406 ms

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-08-09 21:53:58

End at: 2018-08-09 21:54:28

Local clock offset: -0.034 ms

Remote clock offset: -0.494 ms

Below is generated by plot.py at 2018-08-10 01:57:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.27 Mbit/s

95th percentile per-packet one-way delay: 85.961 ms

Loss rate: 0.00%

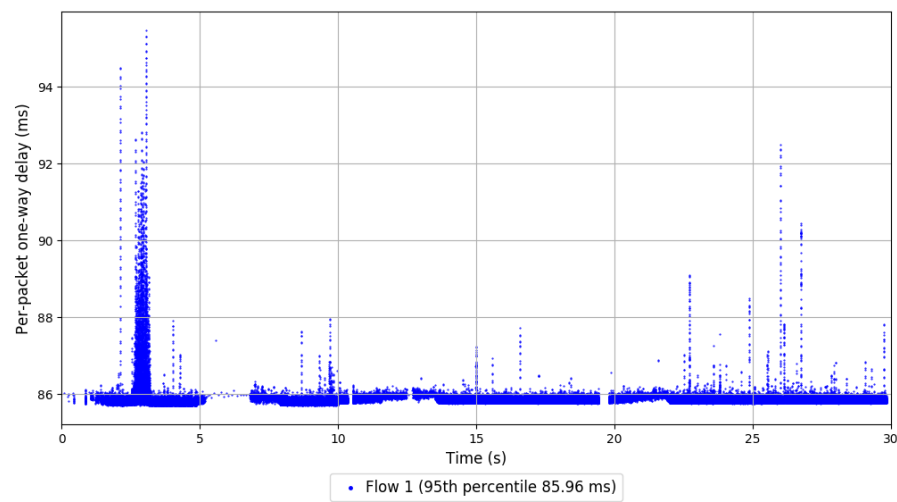
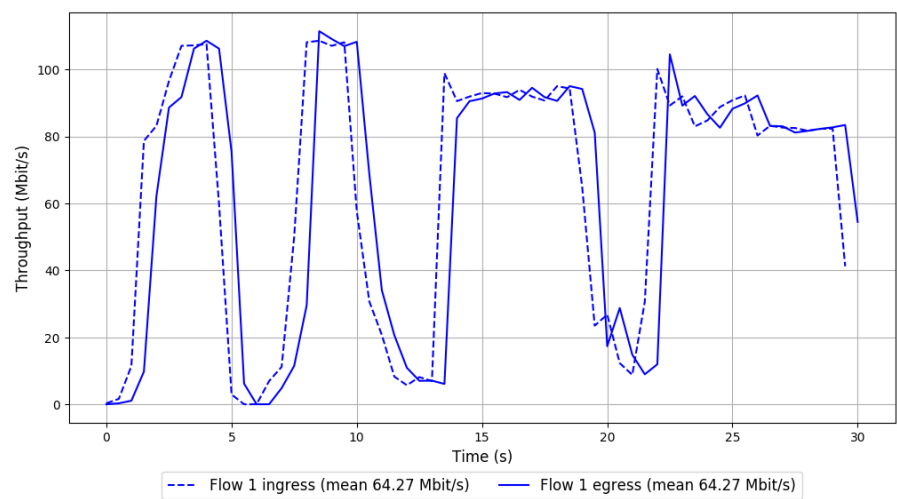
-- Flow 1:

Average throughput: 64.27 Mbit/s

95th percentile per-packet one-way delay: 85.961 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

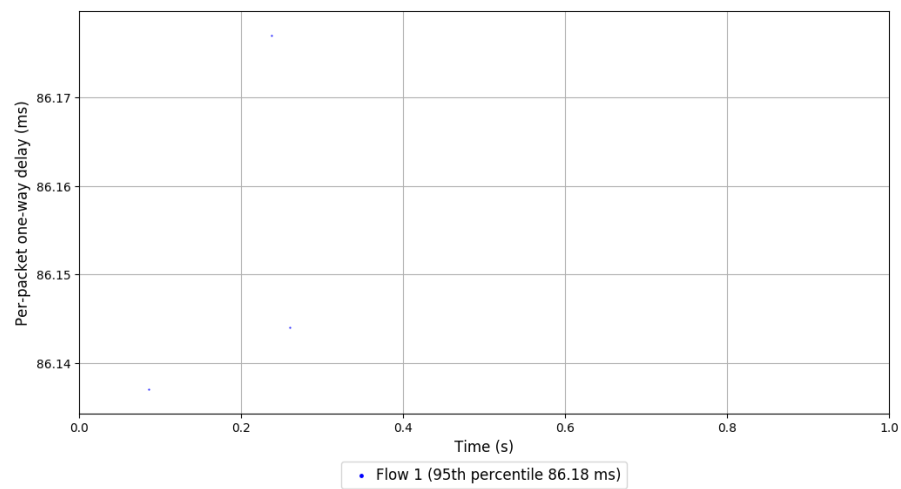
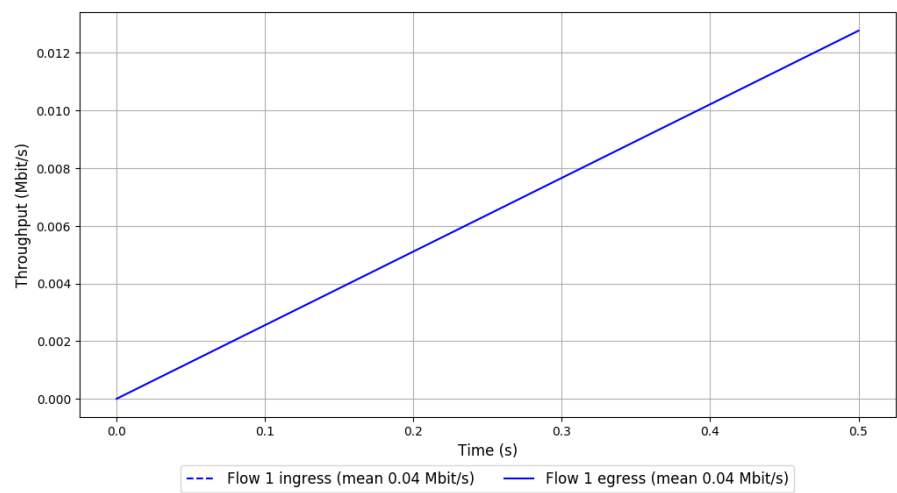
Start at: 2018-08-09 22:17:14

End at: 2018-08-09 22:17:44

Local clock offset: -0.125 ms

Remote clock offset: 0.035 ms

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-08-09 22:40:26

End at: 2018-08-09 22:40:57

Local clock offset: -0.142 ms

Remote clock offset: 0.082 ms

Below is generated by plot.py at 2018-08-10 01:57:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.37 Mbit/s

95th percentile per-packet one-way delay: 86.577 ms

Loss rate: 0.00%

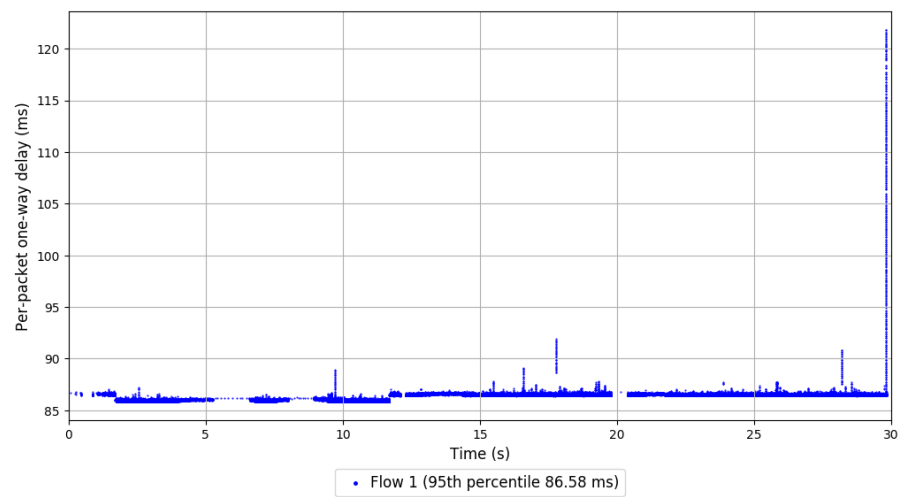
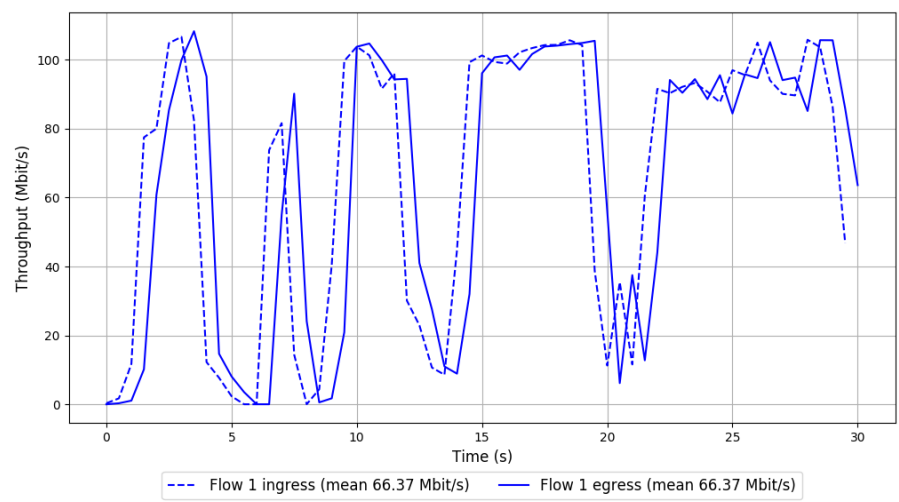
-- Flow 1:

Average throughput: 66.37 Mbit/s

95th percentile per-packet one-way delay: 86.577 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

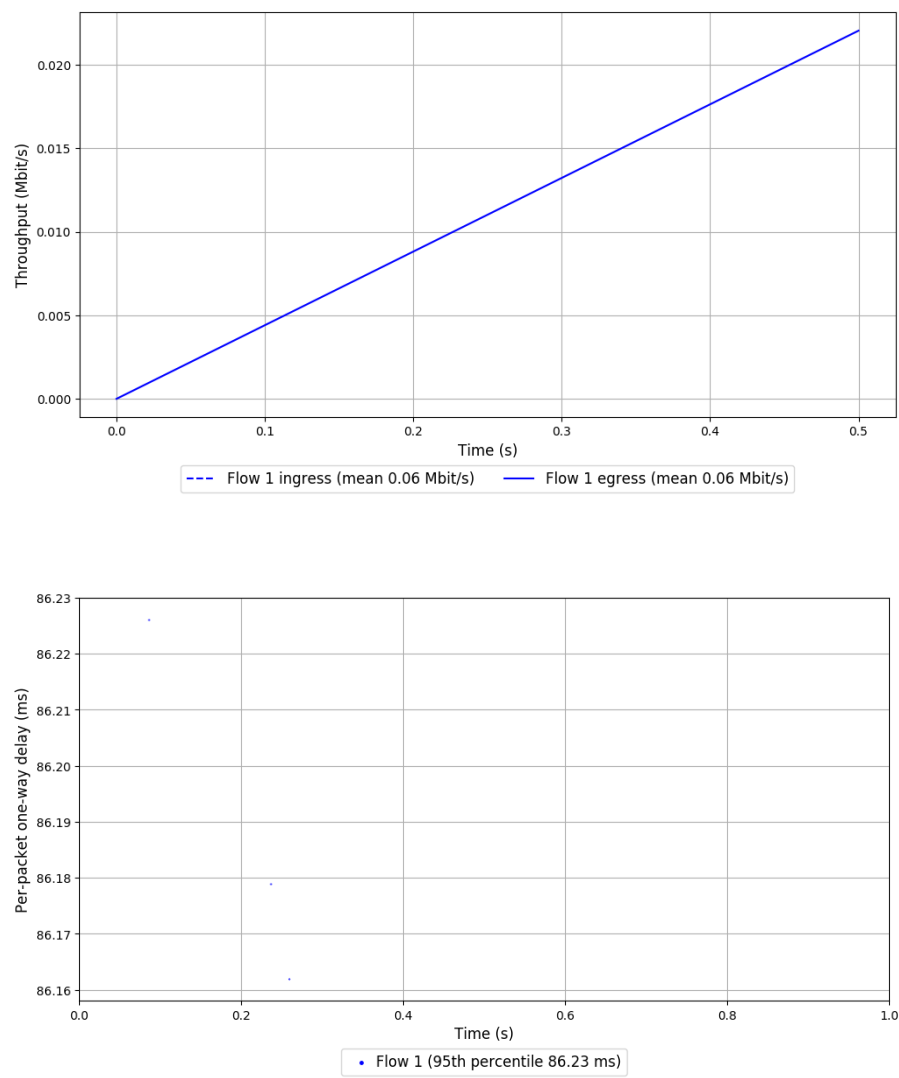
Start at: 2018-08-09 23:03:42

End at: 2018-08-09 23:04:12

Local clock offset: -0.313 ms

Remote clock offset: -0.043 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

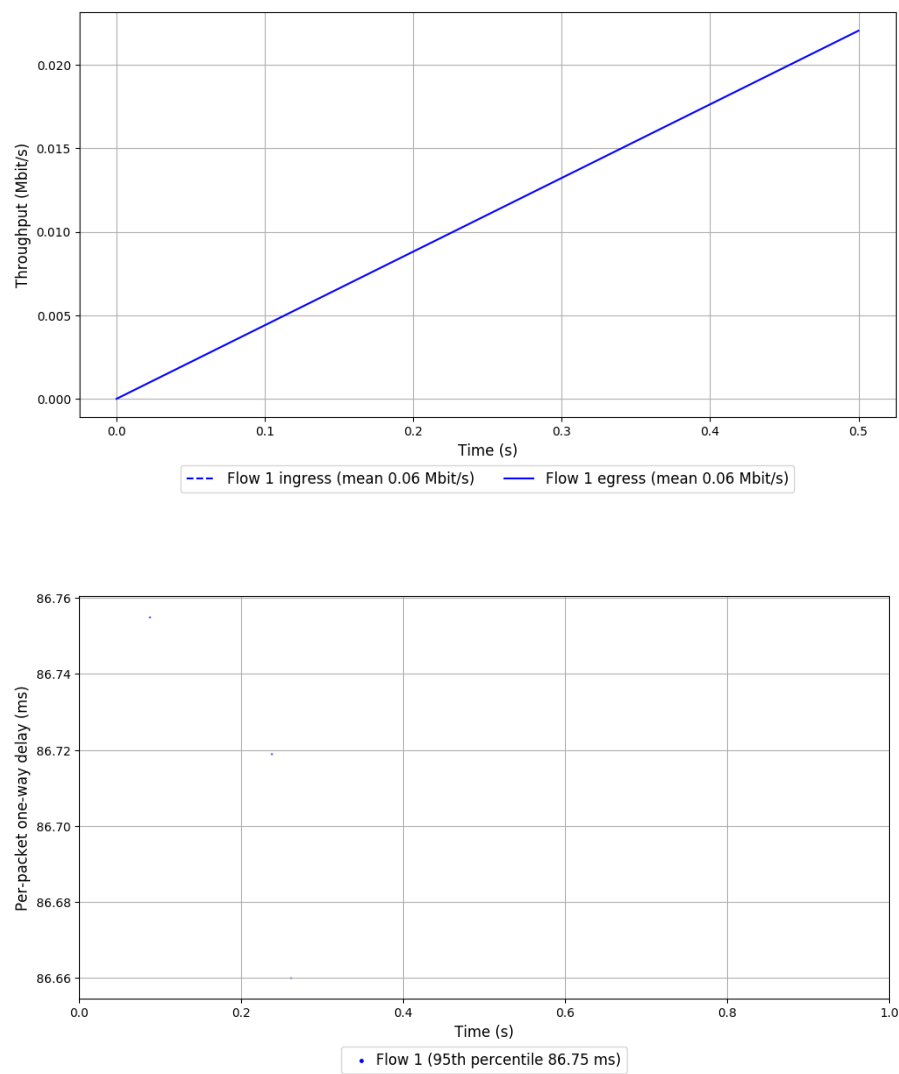
Start at: 2018-08-09 23:26:49

End at: 2018-08-09 23:27:20

Local clock offset: -0.001 ms

Remote clock offset: -0.048 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

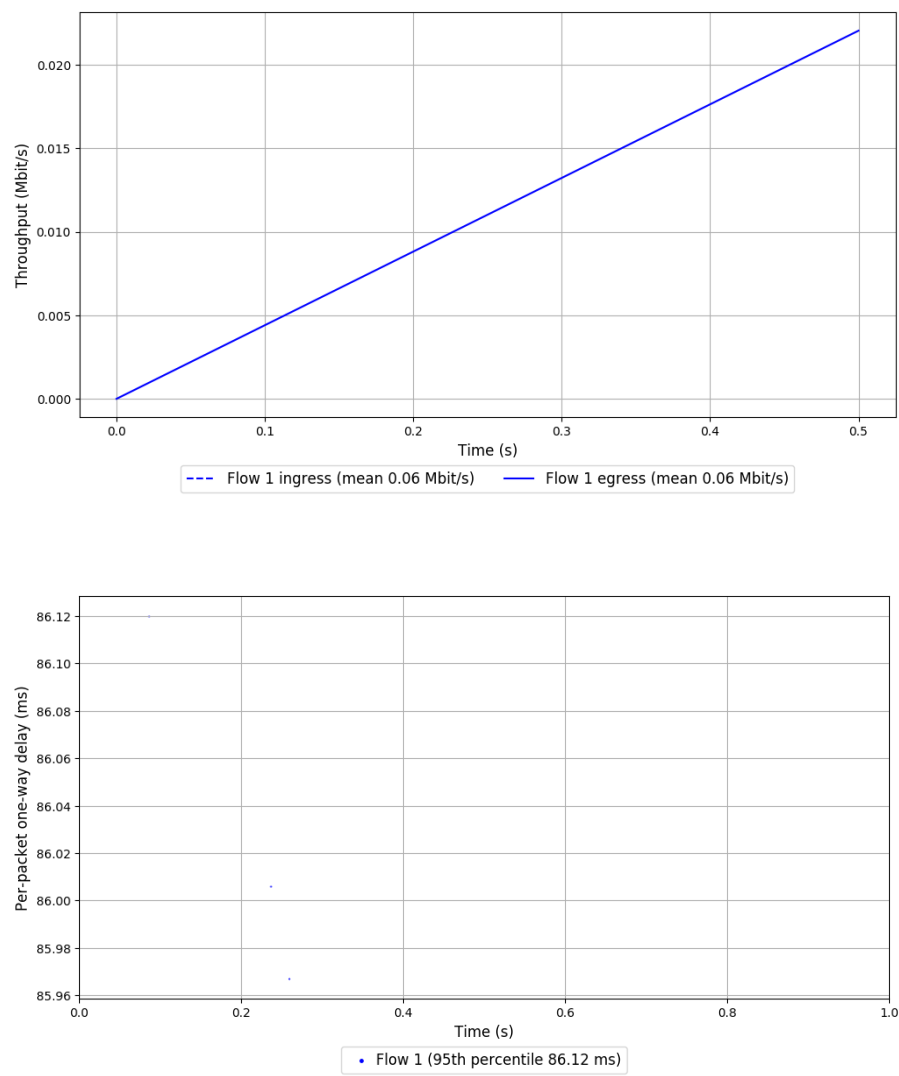
Start at: 2018-08-09 23:49:54

End at: 2018-08-09 23:50:24

Local clock offset: -0.017 ms

Remote clock offset: 0.009 ms

Run 10: Report of QUIC Cubic — Data Link

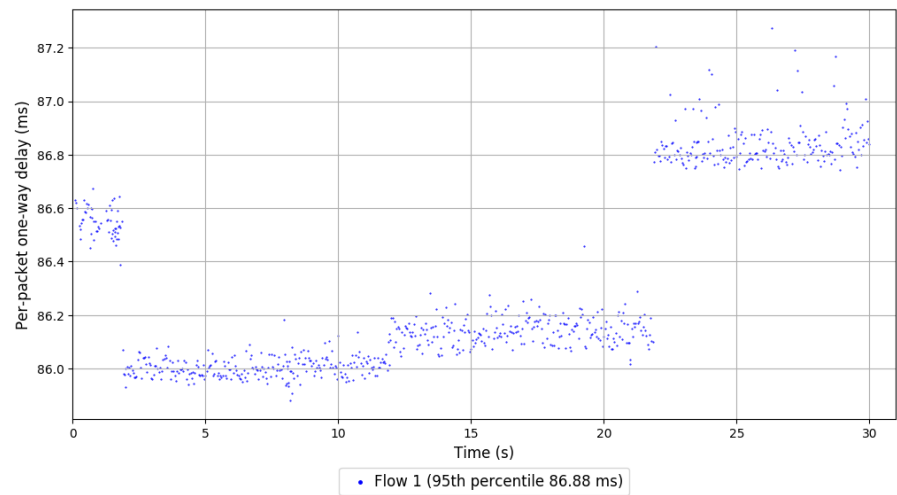
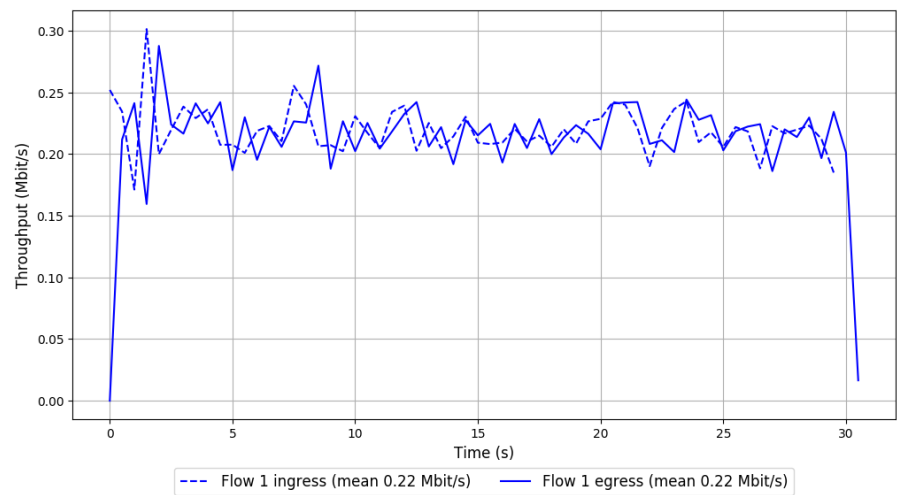


```
Run 1: Statistics of SCReAM

Start at: 2018-08-09 20:25:26
End at: 2018-08-09 20:25:56
Local clock offset: 0.042 ms
Remote clock offset: -0.1 ms

# Below is generated by plot.py at 2018-08-10 01:57:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.876 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.876 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

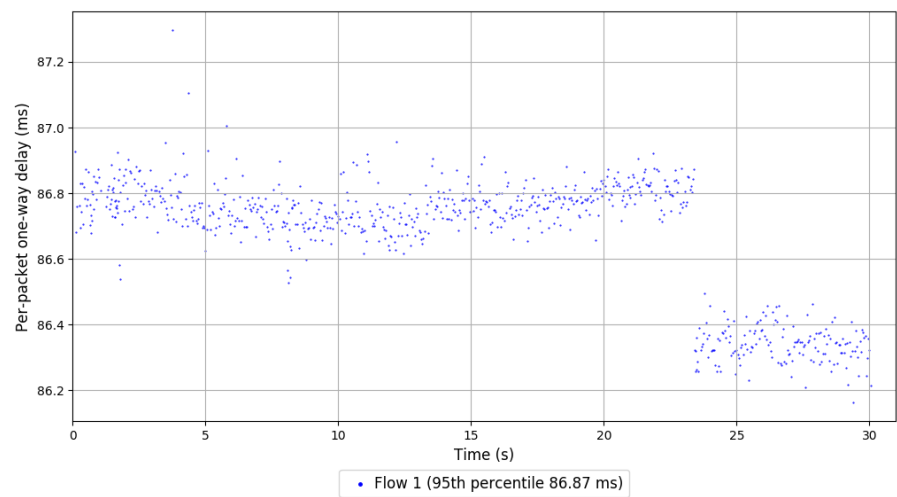
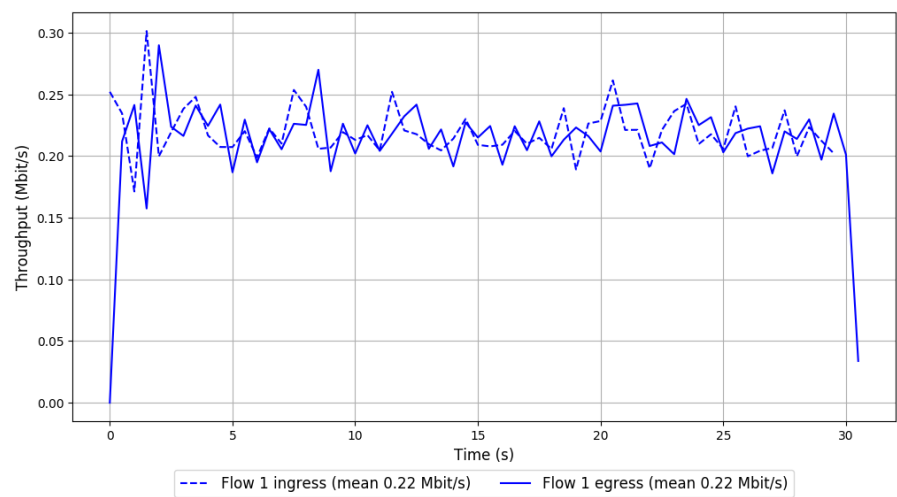


Run 2: Statistics of SCReAM

Start at: 2018-08-09 20:48:35
End at: 2018-08-09 20:49:05
Local clock offset: -0.005 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2018-08-10 01:57:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.867 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.867 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

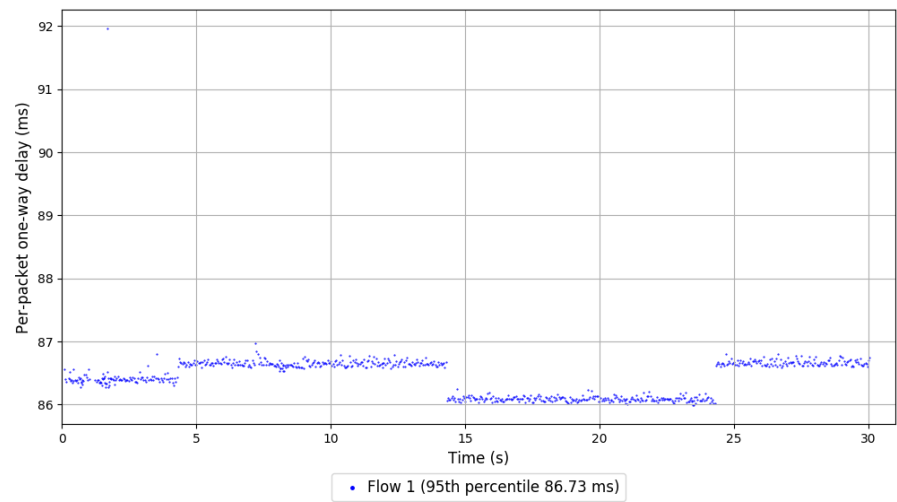
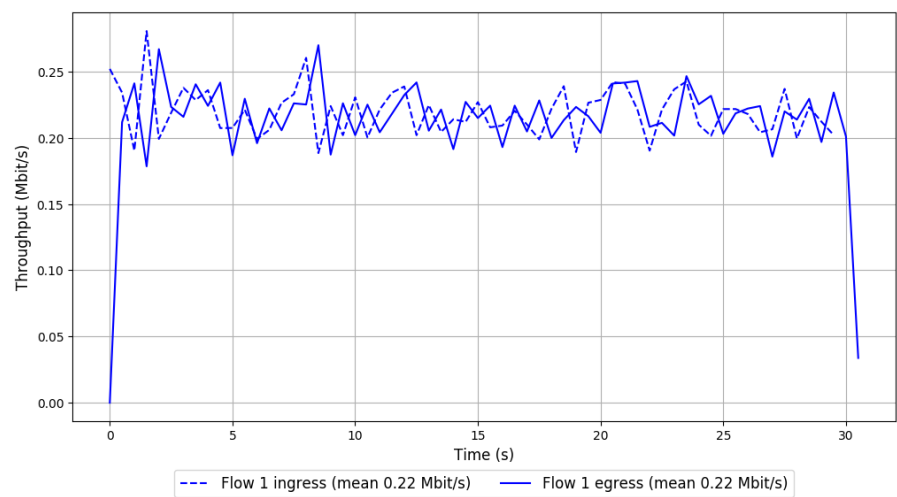


Run 3: Statistics of SReAM

Start at: 2018-08-09 21:11:54
End at: 2018-08-09 21:12:24
Local clock offset: -0.113 ms
Remote clock offset: -0.314 ms

Below is generated by plot.py at 2018-08-10 01:57:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.728 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.728 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

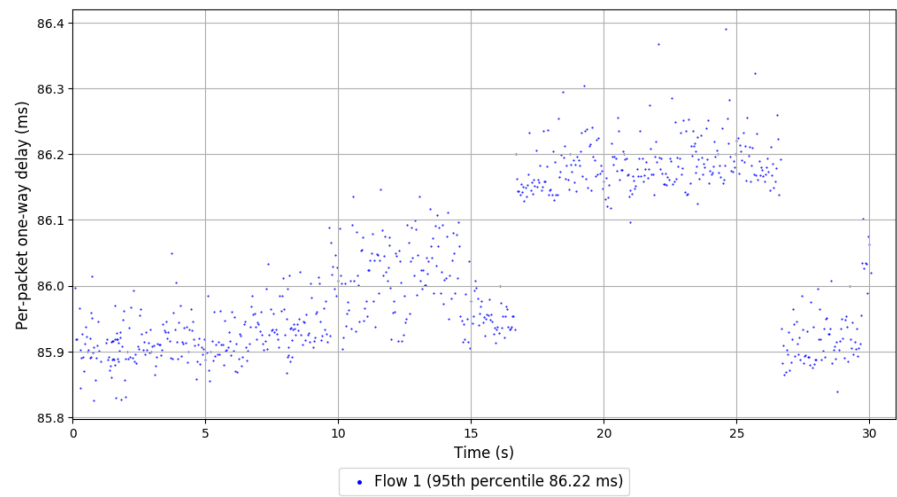
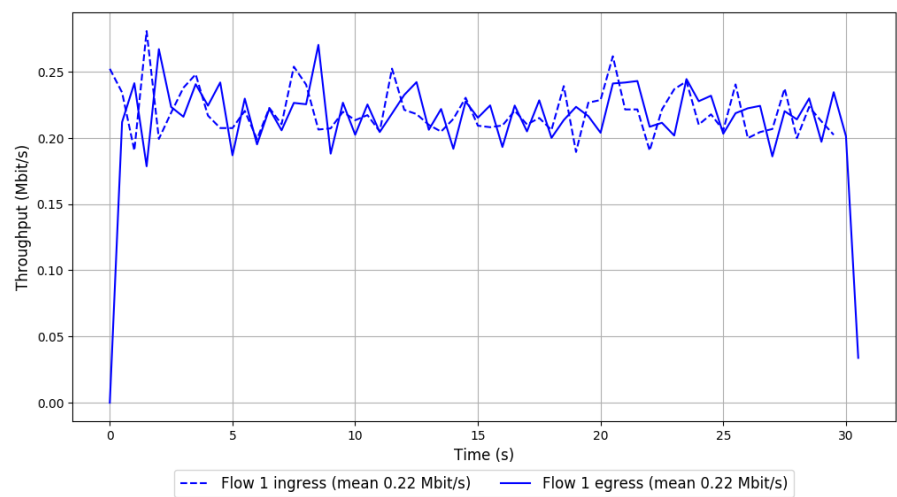


Run 4: Statistics of SCReAM

Start at: 2018-08-09 21:35:11
End at: 2018-08-09 21:35:41
Local clock offset: -0.033 ms
Remote clock offset: -0.463 ms

Below is generated by plot.py at 2018-08-10 01:57:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.220 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.220 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

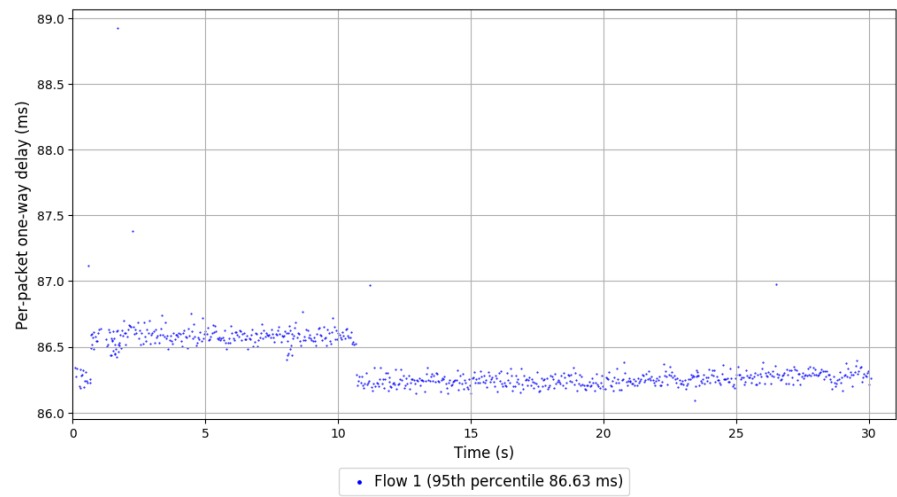
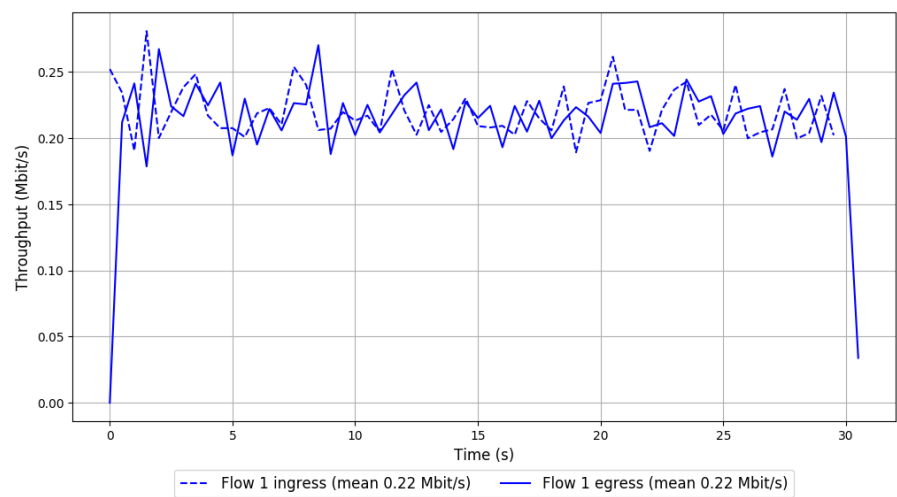


Run 5: Statistics of SCReAM

Start at: 2018-08-09 21:58:28
End at: 2018-08-09 21:58:58
Local clock offset: -0.007 ms
Remote clock offset: -0.534 ms

Below is generated by plot.py at 2018-08-10 01:57:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.634 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.634 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-08-09 22:21:41

End at: 2018-08-09 22:22:11

Local clock offset: -0.158 ms

Remote clock offset: 0.083 ms

Below is generated by plot.py at 2018-08-10 01:57:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.485 ms

Loss rate: 0.00%

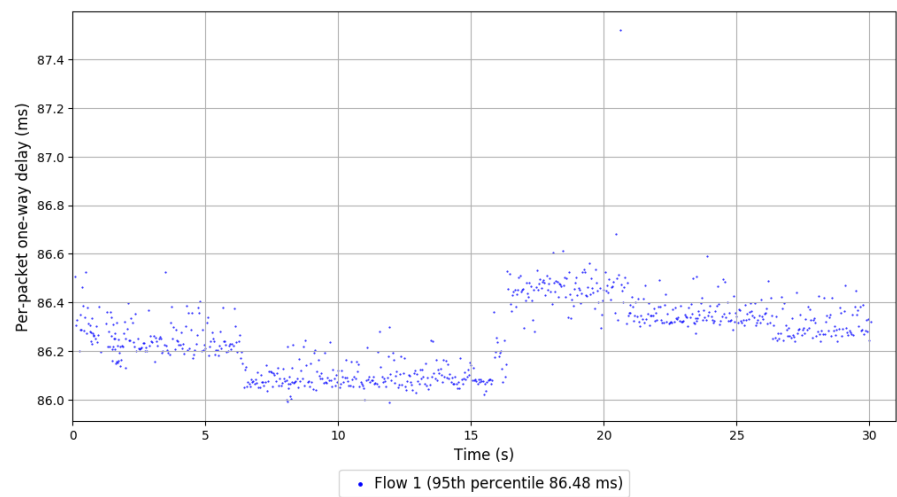
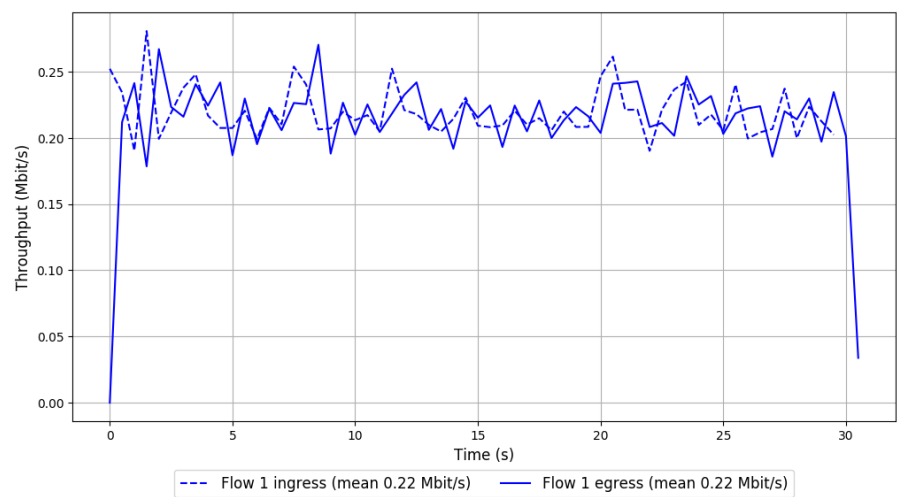
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.485 ms

Loss rate: 0.00%

Run 6: Report of SCReAM — Data Link

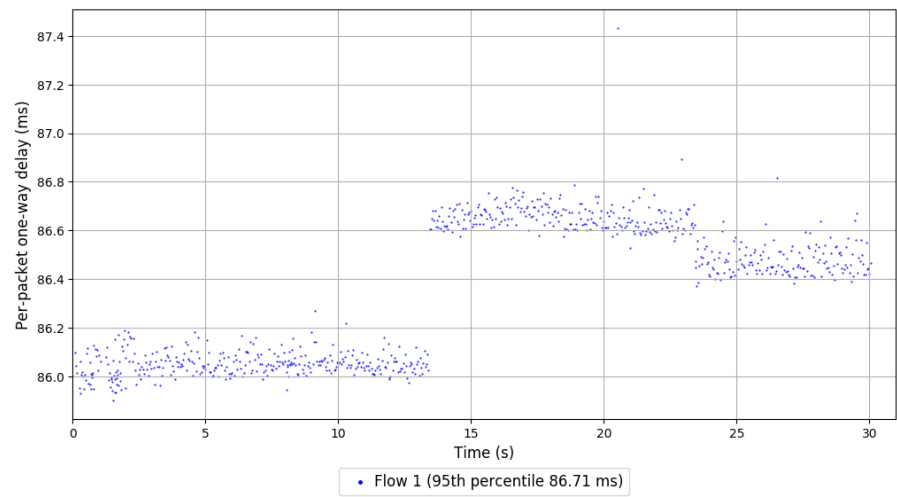
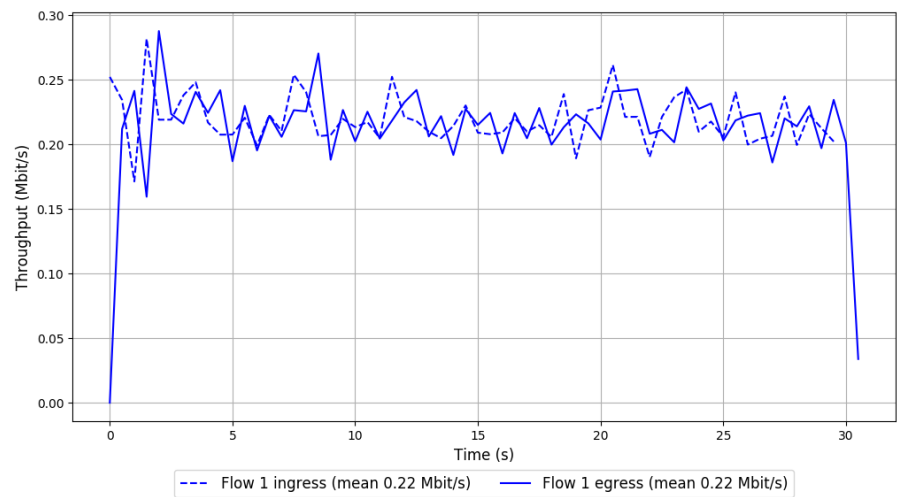


```
Run 7: Statistics of SCReAM

Start at: 2018-08-09 22:45:05
End at: 2018-08-09 22:45:35
Local clock offset: -0.08 ms
Remote clock offset: 0.03 ms

# Below is generated by plot.py at 2018-08-10 01:57:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.706 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.706 ms
Loss rate: 0.00%
```

Run 7: Report of SReAM — Data Link

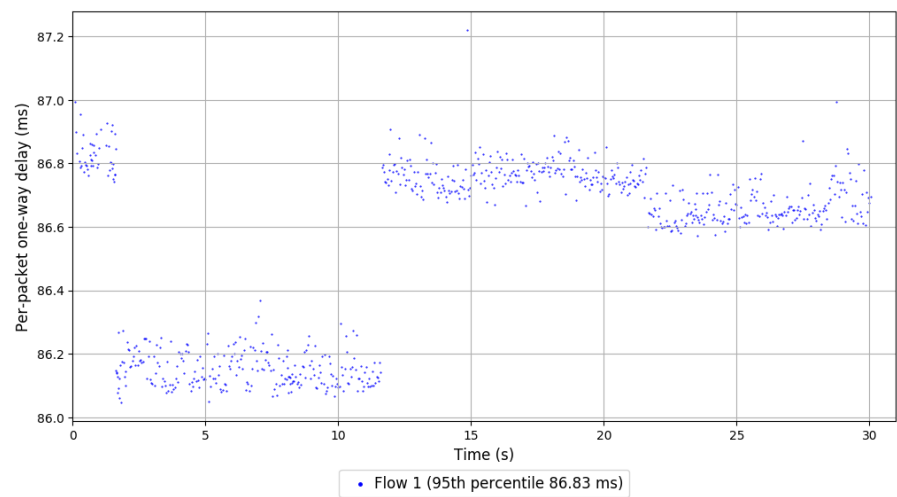
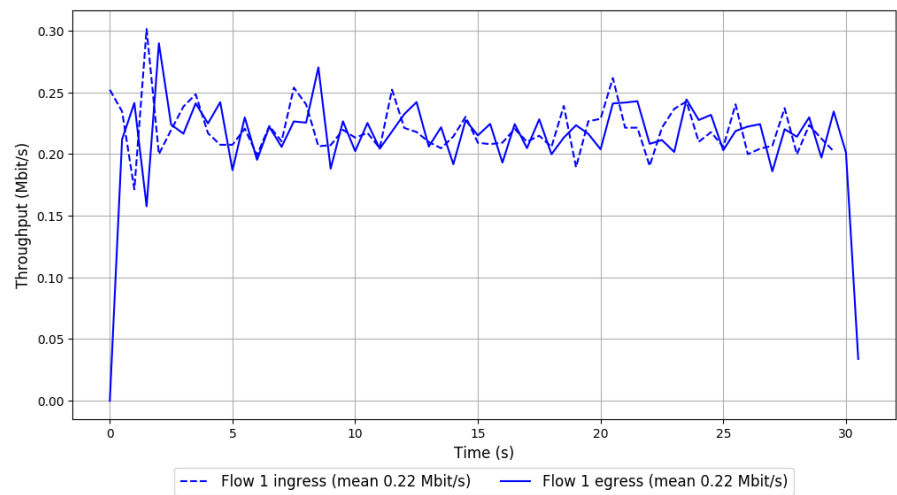


Run 8: Statistics of SCReAM

Start at: 2018-08-09 23:08:07
End at: 2018-08-09 23:08:37
Local clock offset: -0.291 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-08-10 01:57:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.833 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.833 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

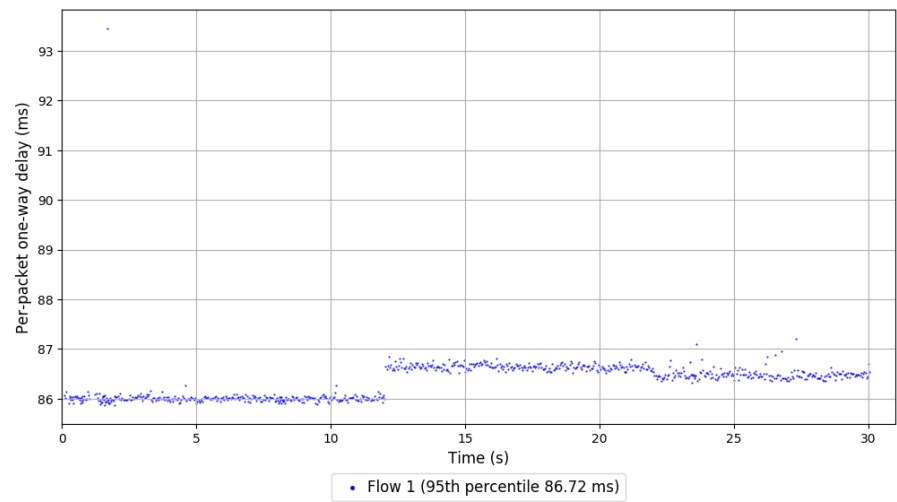
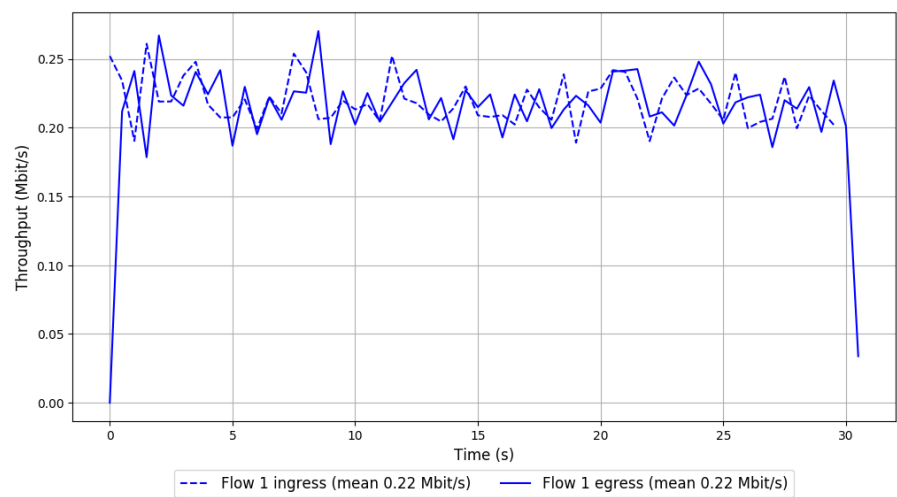


Run 9: Statistics of SCReAM

Start at: 2018-08-09 23:31:15
End at: 2018-08-09 23:31:45
Local clock offset: -0.055 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-08-10 01:57:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.720 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.720 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-08-09 23:54:19

End at: 2018-08-09 23:54:49

Local clock offset: 0.047 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-08-10 01:57:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.743 ms

Loss rate: 0.00%

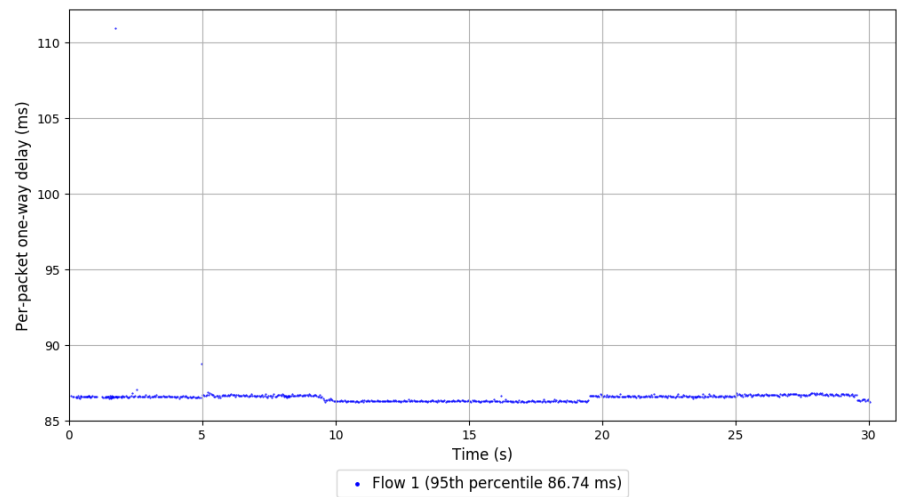
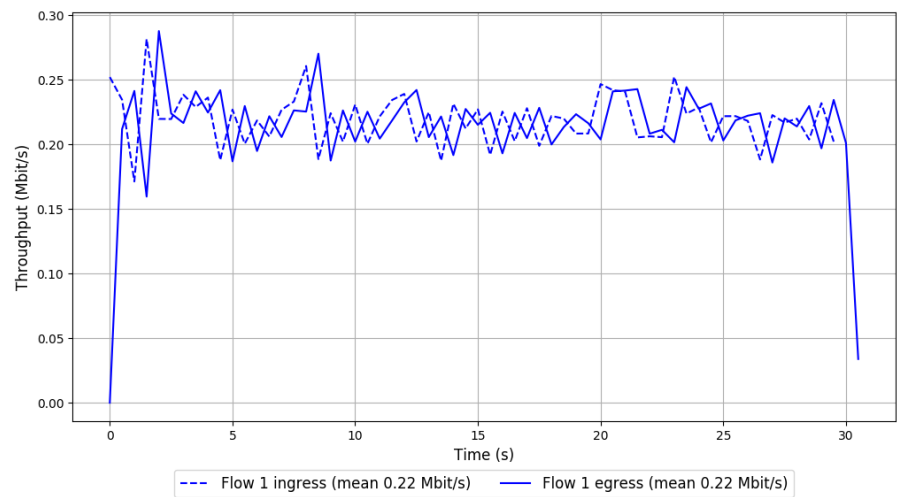
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.743 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

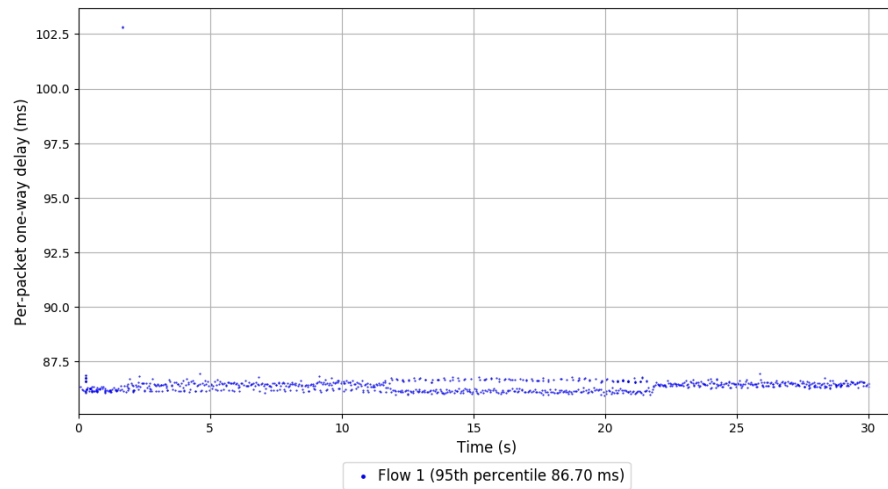
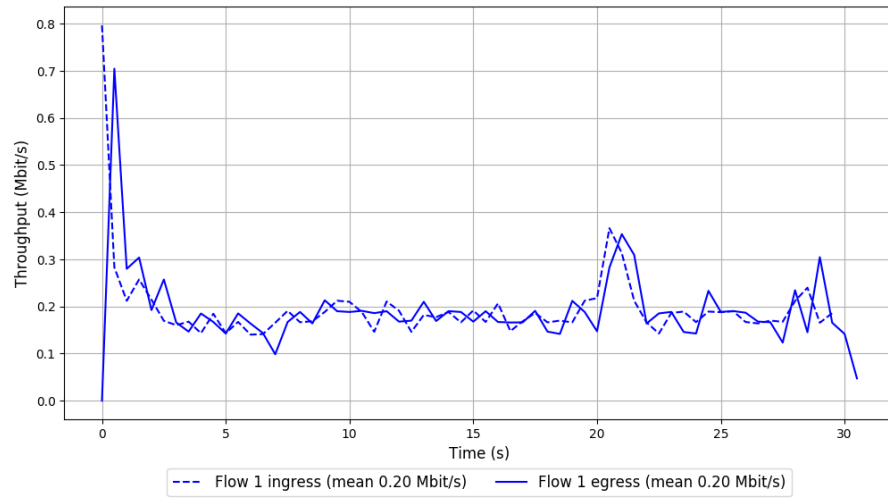


Run 1: Statistics of Sprout

Start at: 2018-08-09 20:16:56
End at: 2018-08-09 20:17:26
Local clock offset: -0.096 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2018-08-10 01:57:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 86.698 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 86.698 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

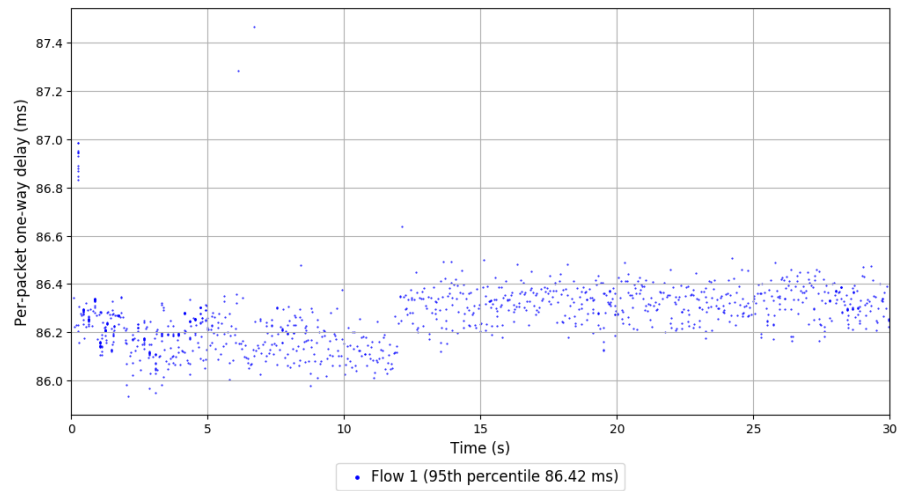
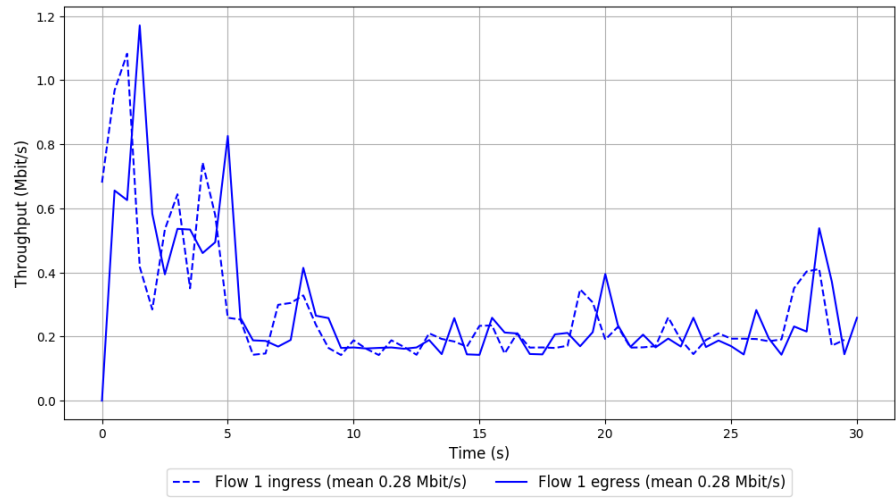


Run 2: Statistics of Sprout

Start at: 2018-08-09 20:39:55
End at: 2018-08-09 20:40:25
Local clock offset: -0.016 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-08-10 01:57:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 86.417 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 86.417 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

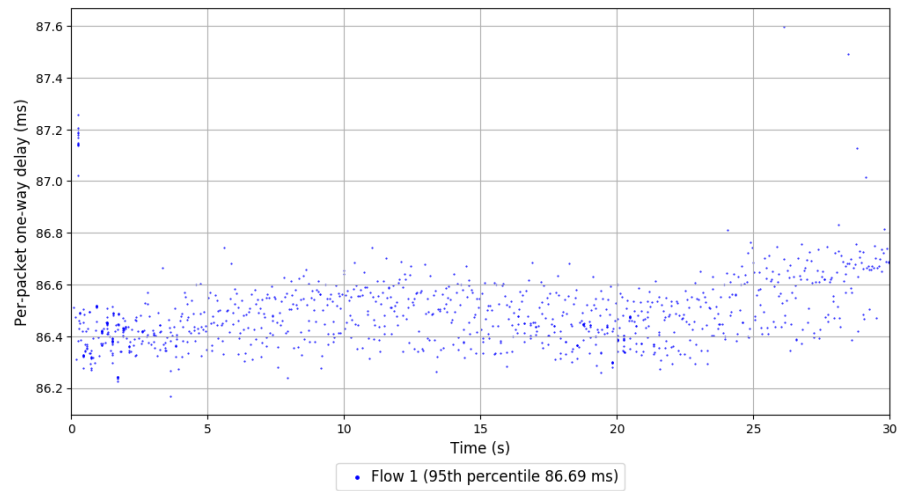
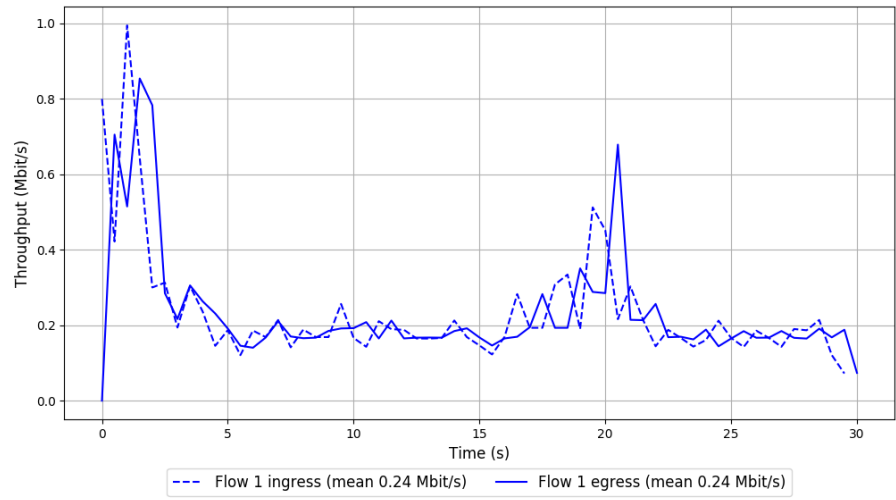


Run 3: Statistics of Sprout

Start at: 2018-08-09 21:03:14
End at: 2018-08-09 21:03:44
Local clock offset: -0.265 ms
Remote clock offset: -0.268 ms

Below is generated by plot.py at 2018-08-10 01:57:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.689 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.689 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

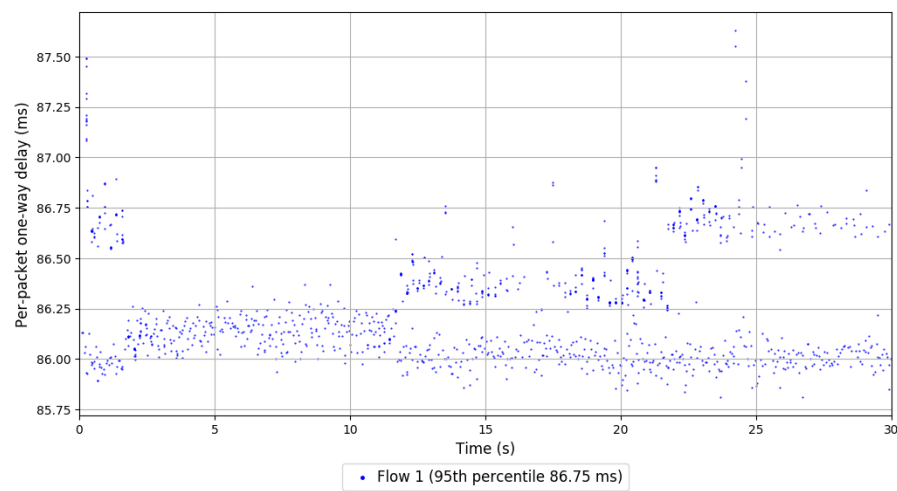
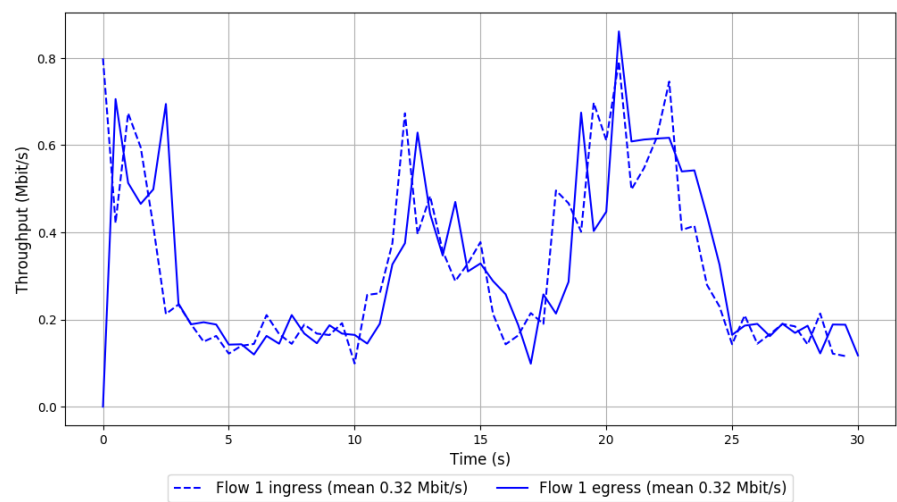


Run 4: Statistics of Sprout

Start at: 2018-08-09 21:26:37
End at: 2018-08-09 21:27:07
Local clock offset: -0.126 ms
Remote clock offset: -0.387 ms

Below is generated by plot.py at 2018-08-10 01:57:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 86.754 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 86.754 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

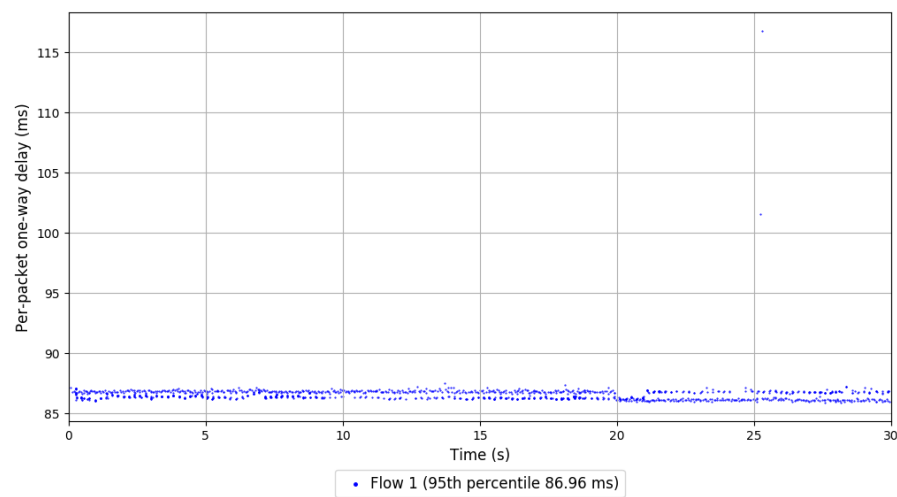
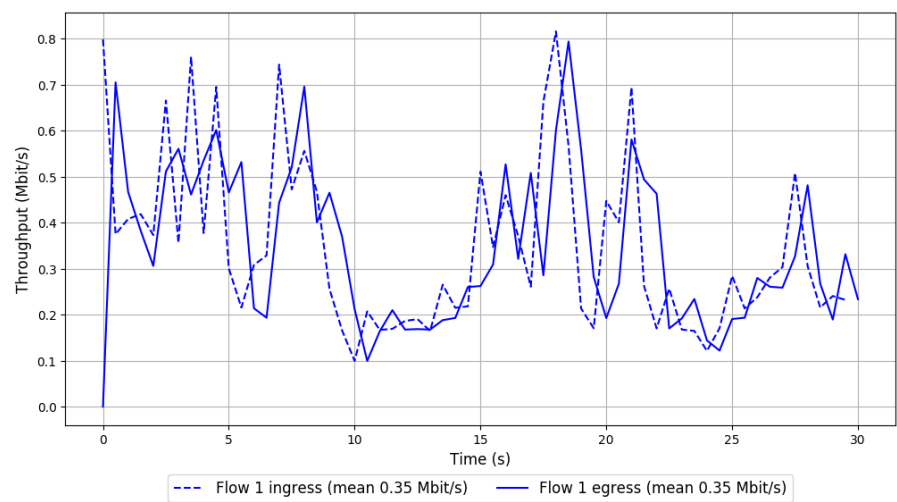


Run 5: Statistics of Sprout

Start at: 2018-08-09 21:49:47
End at: 2018-08-09 21:50:17
Local clock offset: -0.012 ms
Remote clock offset: -0.484 ms

Below is generated by plot.py at 2018-08-10 01:57:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 86.956 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 86.956 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

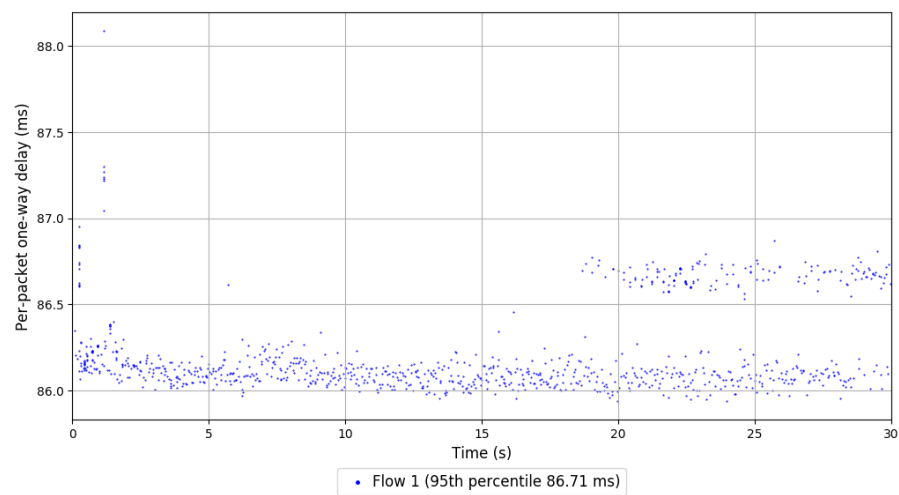
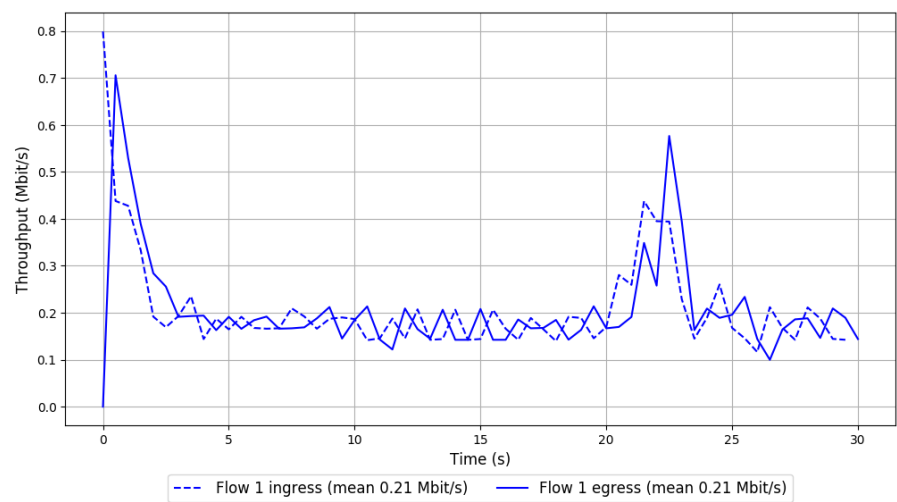


Run 6: Statistics of Sprout

Start at: 2018-08-09 22:13:00
End at: 2018-08-09 22:13:30
Local clock offset: -0.111 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-08-10 01:57:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 86.709 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 86.709 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-08-09 22:36:17

End at: 2018-08-09 22:36:47

Local clock offset: -0.092 ms

Remote clock offset: 0.16 ms

Below is generated by plot.py at 2018-08-10 01:57:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 86.714 ms

Loss rate: 0.00%

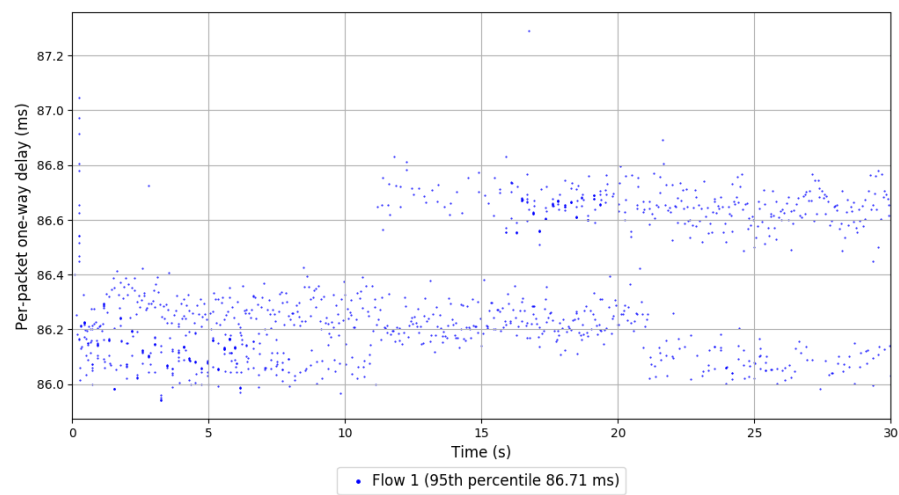
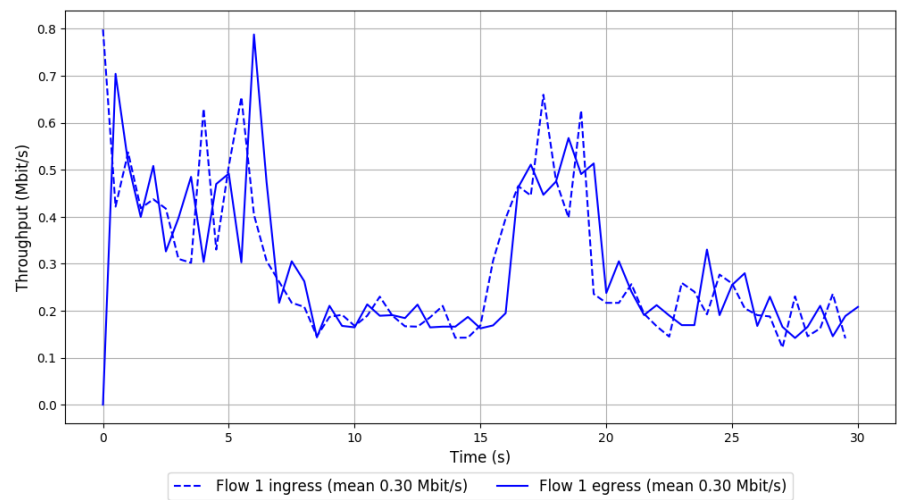
-- Flow 1:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 86.714 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-08-09 22:59:39

End at: 2018-08-09 23:00:09

Local clock offset: -0.145 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-08-10 01:57:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 86.495 ms

Loss rate: 0.00%

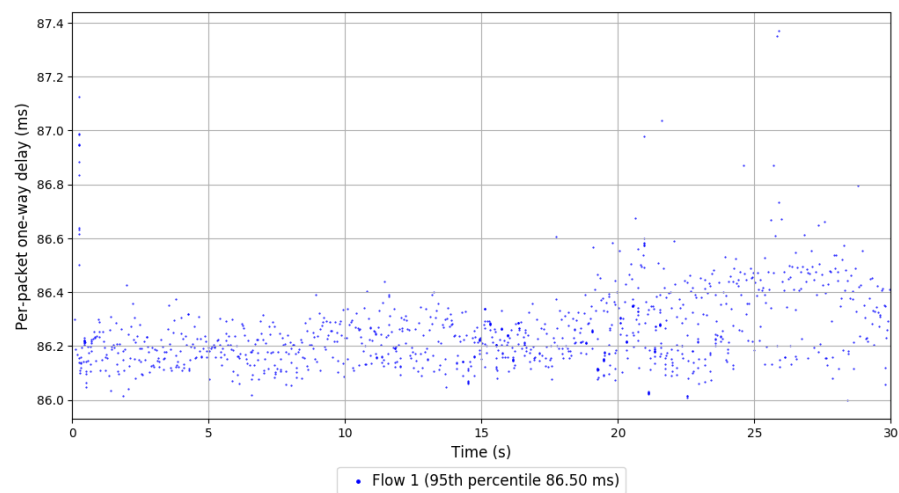
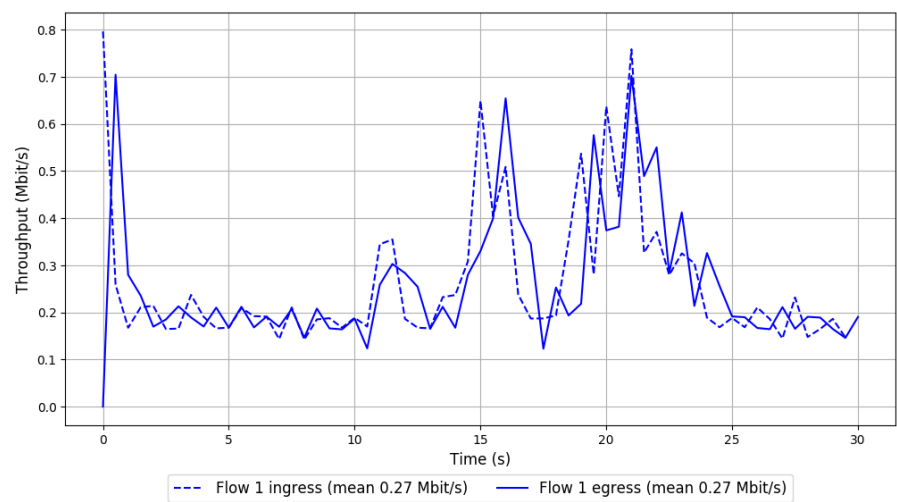
-- Flow 1:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 86.495 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

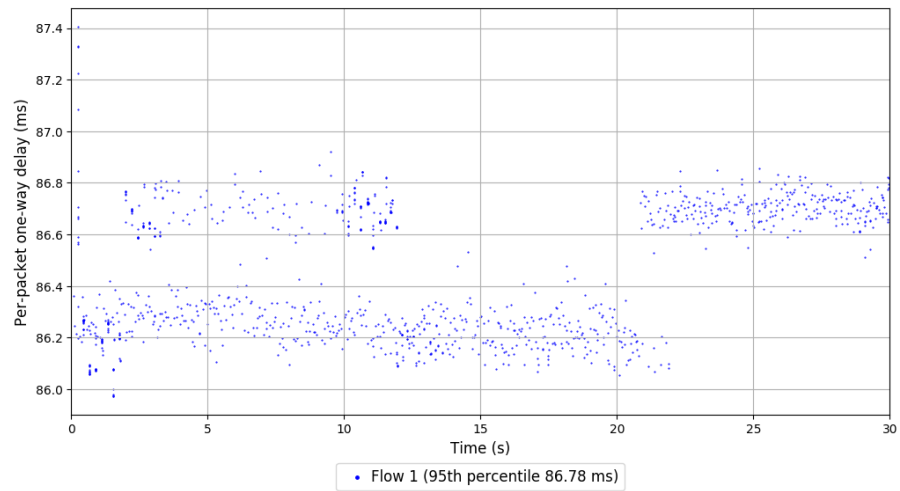
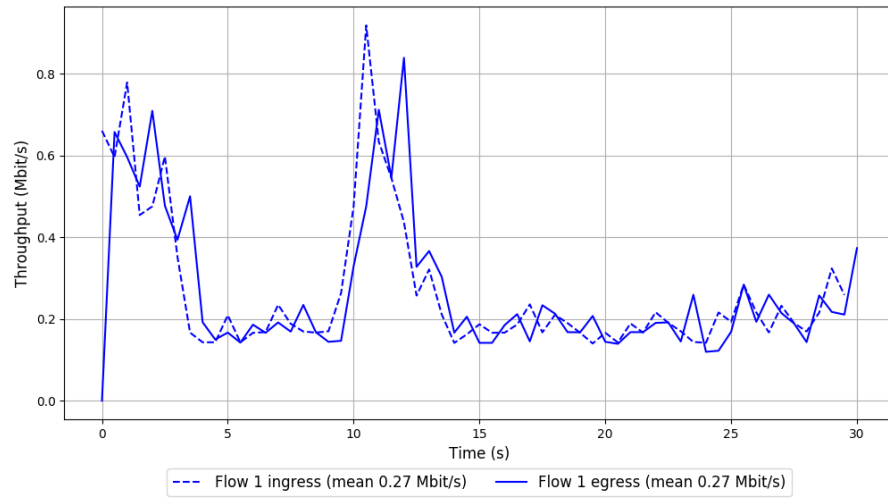


Run 9: Statistics of Sprout

Start at: 2018-08-09 23:22:46
End at: 2018-08-09 23:23:16
Local clock offset: -0.17 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-08-10 01:57:09
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 9: Report of Sprout — Data Link

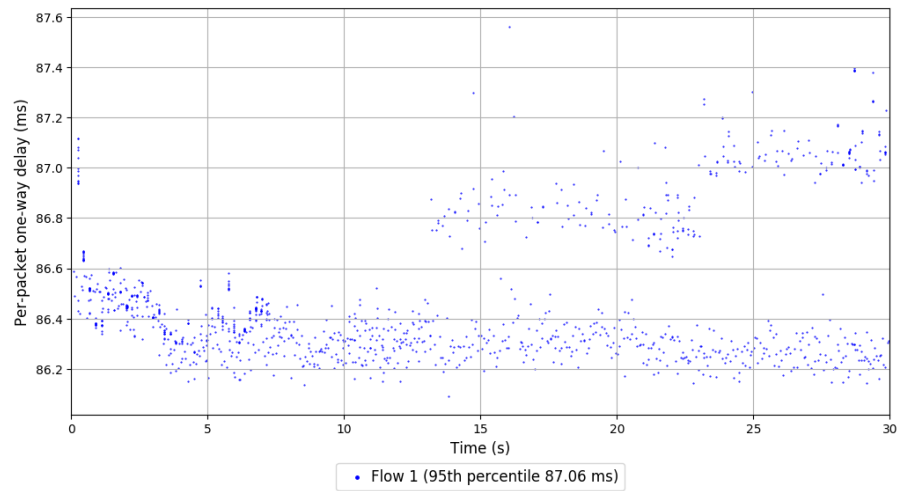
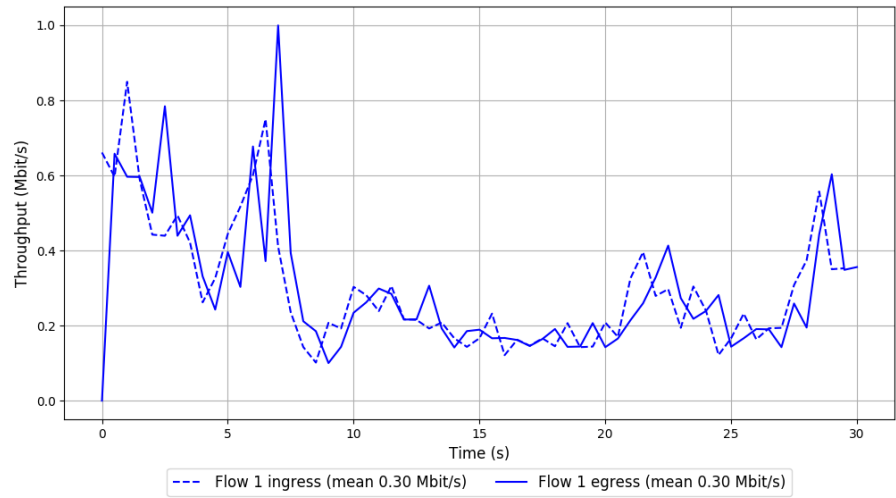


Run 10: Statistics of Sprout

Start at: 2018-08-09 23:45:45
End at: 2018-08-09 23:46:15
Local clock offset: -0.357 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-08-10 01:57:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 87.061 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 87.061 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

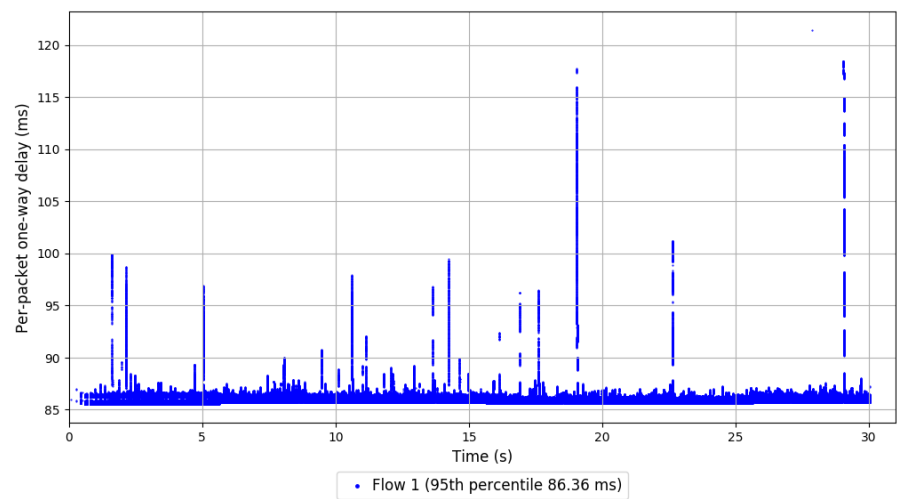
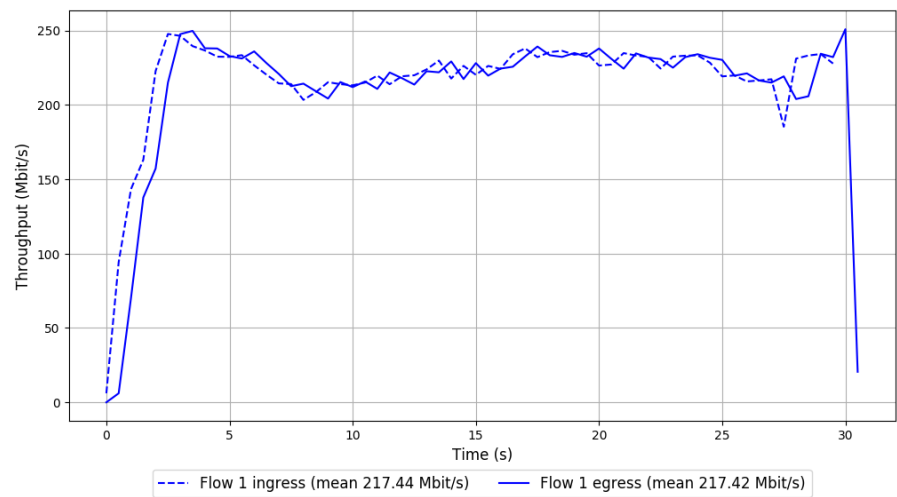


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-08-09 20:08:53
End at: 2018-08-09 20:09:23
Local clock offset: 0.035 ms
Remote clock offset: -0.108 ms

# Below is generated by plot.py at 2018-08-10 01:57:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 217.42 Mbit/s
95th percentile per-packet one-way delay: 86.364 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 217.42 Mbit/s
95th percentile per-packet one-way delay: 86.364 ms
Loss rate: 0.01%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-08-09 20:31:53

End at: 2018-08-09 20:32:23

Local clock offset: -0.088 ms

Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-08-10 01:57:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.44 Mbit/s

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

Loss rate: 0.00%

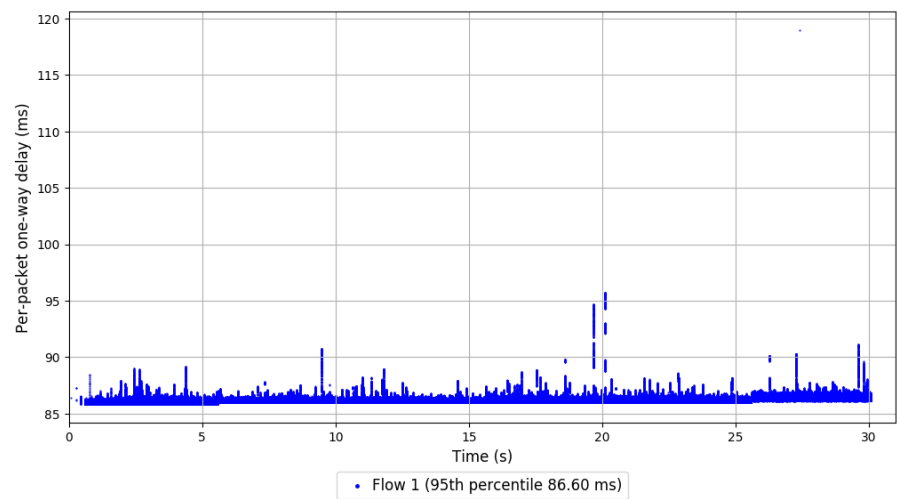
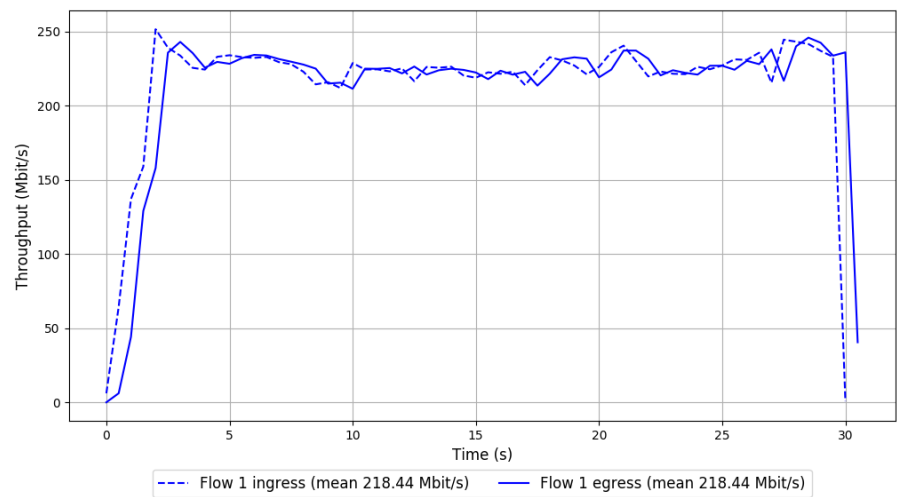
-- Flow 1:

Average throughput: 218.44 Mbit/s

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

Loss rate: 0.00%

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

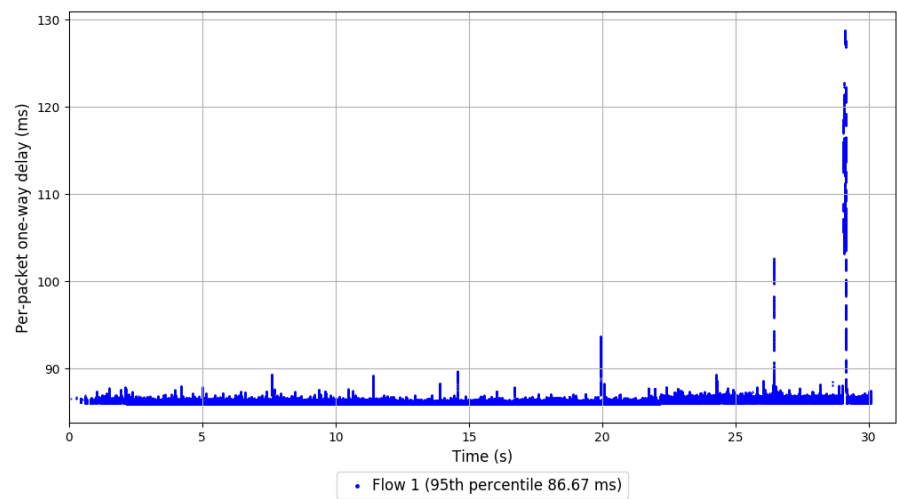
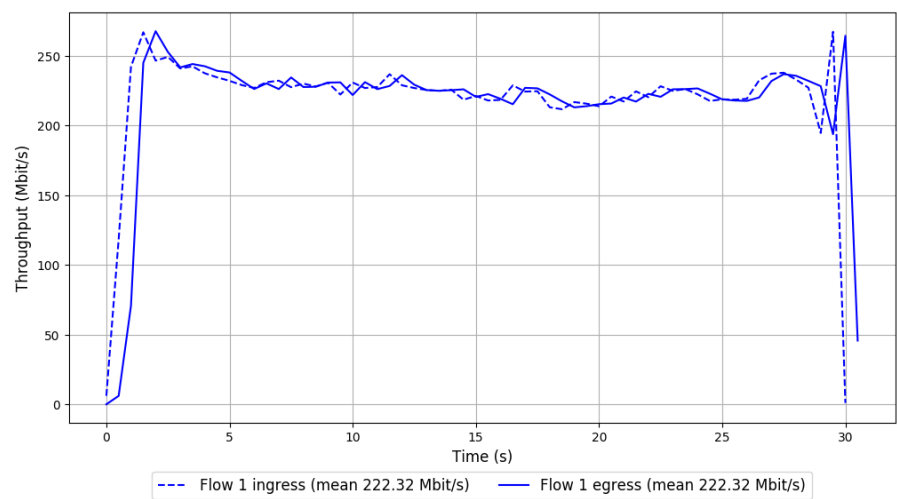


Run 3: Statistics of TaoVA-100x

Start at: 2018-08-09 20:55:06
End at: 2018-08-09 20:55:36
Local clock offset: -0.165 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-08-10 01:57:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 222.32 Mbit/s
95th percentile per-packet one-way delay: 86.669 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 222.32 Mbit/s
95th percentile per-packet one-way delay: 86.669 ms
Loss rate: 0.00%

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

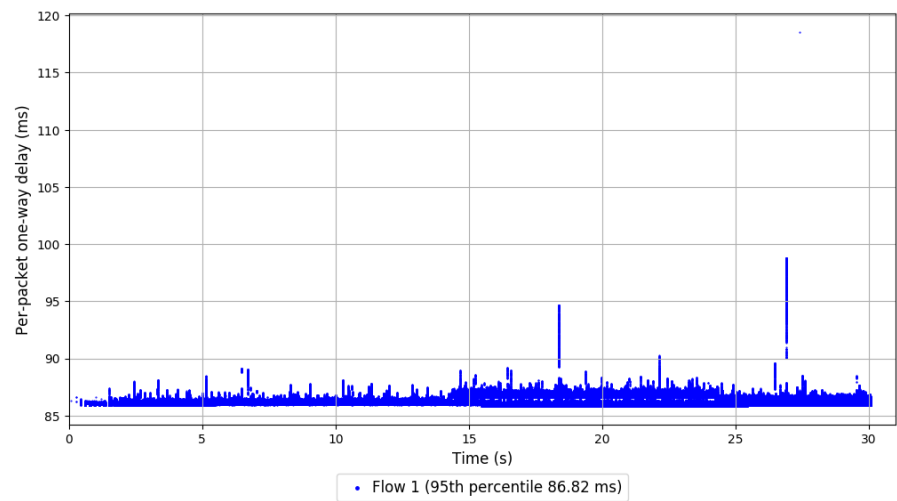
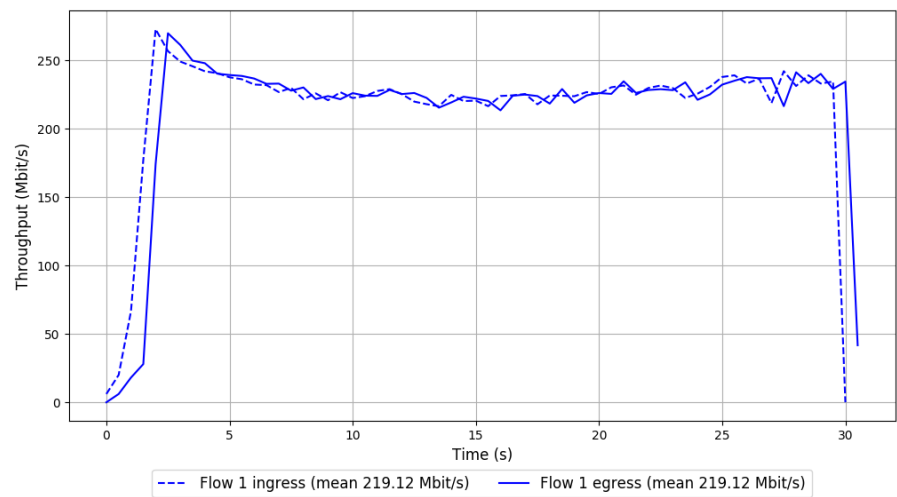


Run 4: Statistics of TaoVA-100x

Start at: 2018-08-09 21:18:23
End at: 2018-08-09 21:18:53
Local clock offset: -0.153 ms
Remote clock offset: -0.348 ms

Below is generated by plot.py at 2018-08-10 01:58:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.12 Mbit/s
95th percentile per-packet one-way delay: 86.818 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 219.12 Mbit/s
95th percentile per-packet one-way delay: 86.818 ms
Loss rate: 0.00%

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

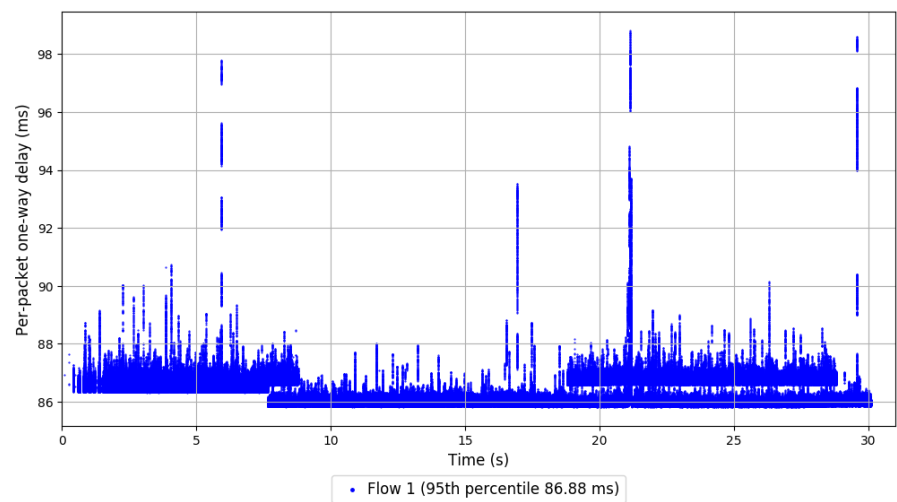
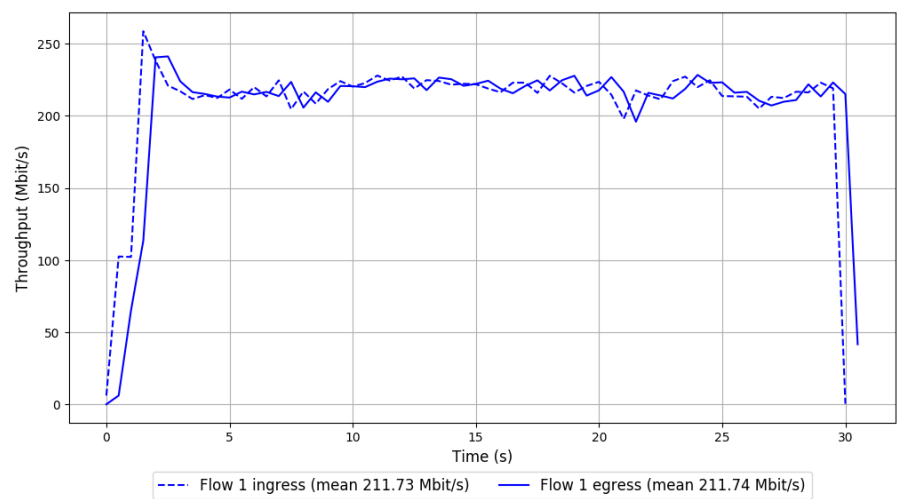


Run 5: Statistics of TaoVA-100x

Start at: 2018-08-09 21:41:40
End at: 2018-08-09 21:42:10
Local clock offset: -0.058 ms
Remote clock offset: -0.435 ms

Below is generated by plot.py at 2018-08-10 02:02:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 211.74 Mbit/s
95th percentile per-packet one-way delay: 86.879 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 211.74 Mbit/s
95th percentile per-packet one-way delay: 86.879 ms
Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-08-09 22:04:56

End at: 2018-08-09 22:05:26

Local clock offset: -0.101 ms

Remote clock offset: -0.252 ms

Below is generated by plot.py at 2018-08-10 02:02:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.53 Mbit/s

95th percentile per-packet one-way delay: 86.620 ms

Loss rate: 0.00%

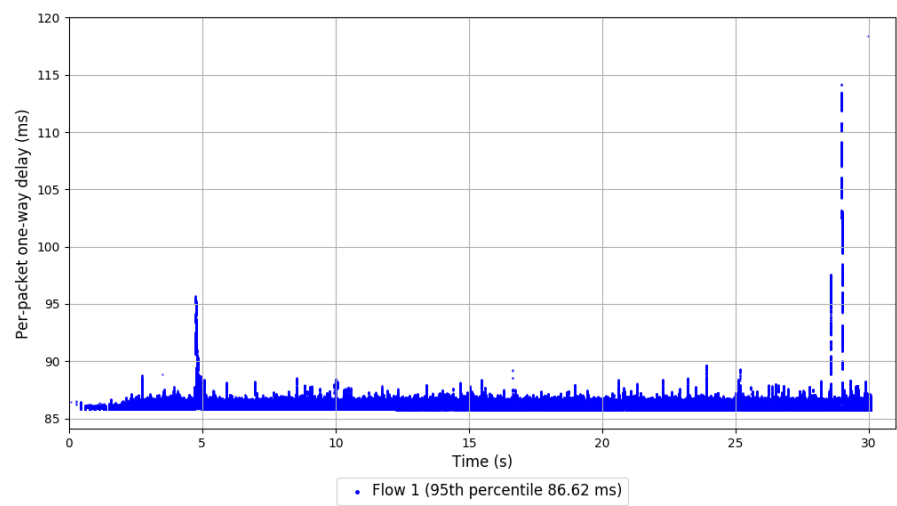
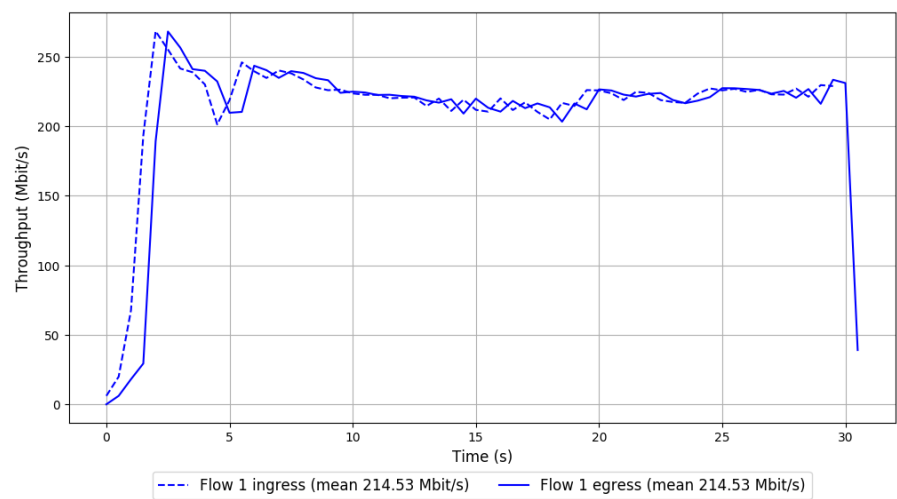
-- Flow 1:

Average throughput: 214.53 Mbit/s

95th percentile per-packet one-way delay: 86.620 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-08-09 22:28:11

End at: 2018-08-09 22:28:41

Local clock offset: 0.199 ms

Remote clock offset: 0.187 ms

Below is generated by plot.py at 2018-08-10 02:02:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.47 Mbit/s

95th percentile per-packet one-way delay: 86.262 ms

Loss rate: 0.00%

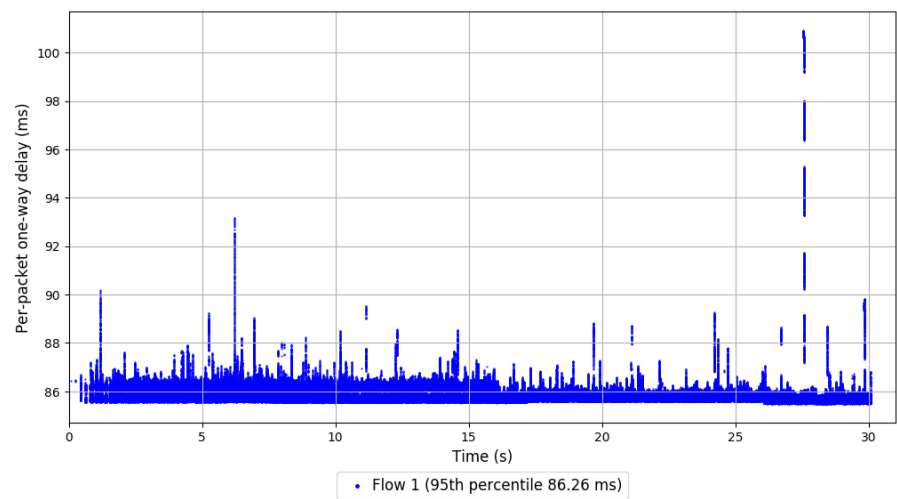
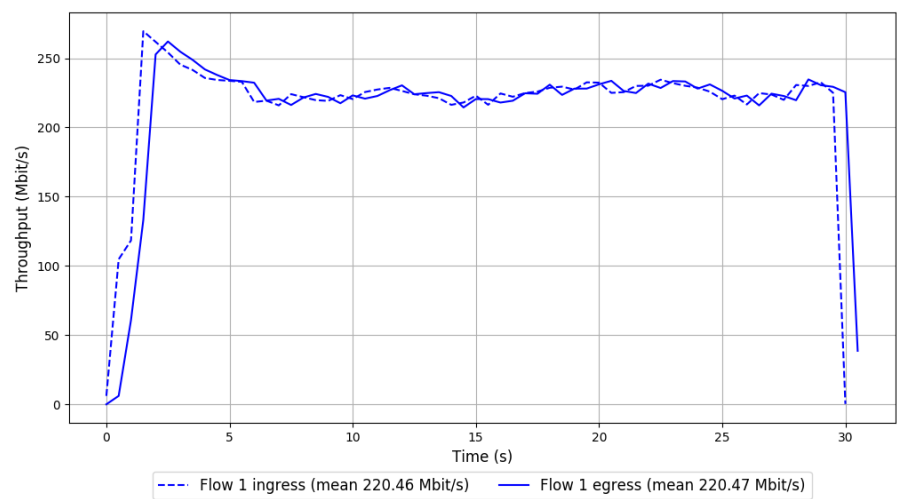
-- Flow 1:

Average throughput: 220.47 Mbit/s

95th percentile per-packet one-way delay: 86.262 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-08-09 22:51:35

End at: 2018-08-09 22:52:05

Local clock offset: -0.18 ms

Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-08-10 02:04:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.22 Mbit/s

95th percentile per-packet one-way delay: 86.826 ms

Loss rate: 0.06%

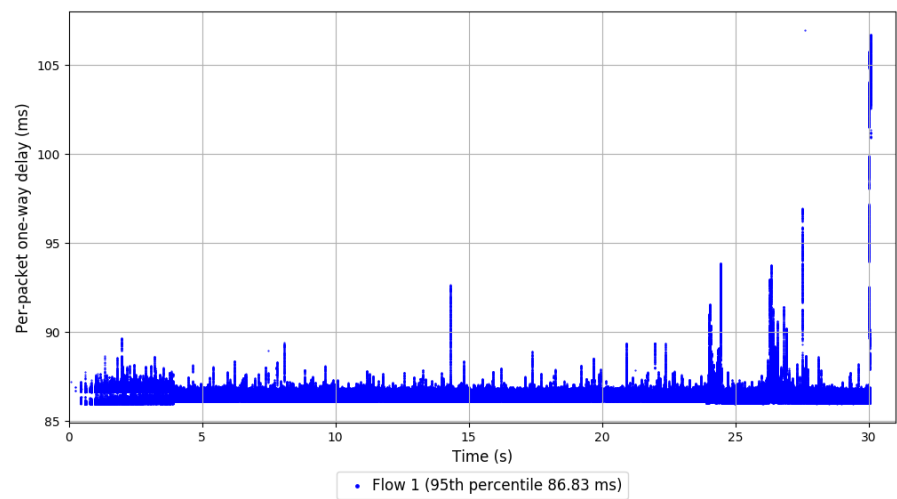
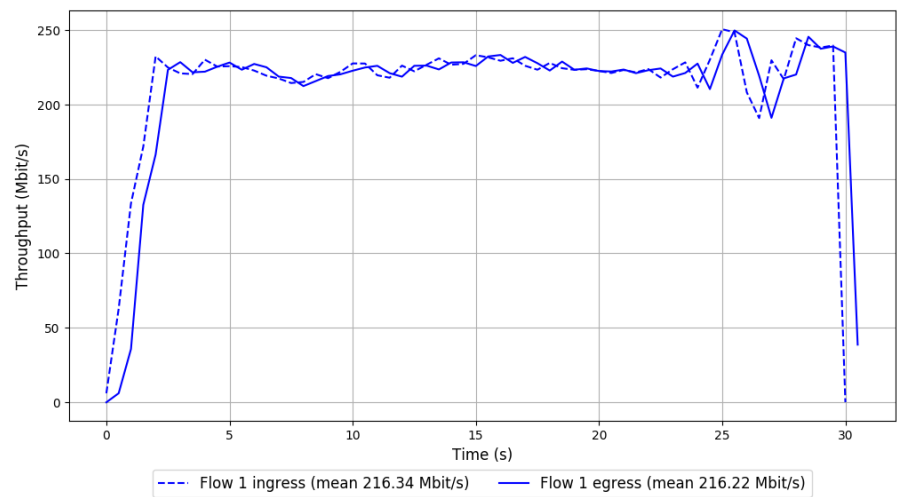
-- Flow 1:

Average throughput: 216.22 Mbit/s

95th percentile per-packet one-way delay: 86.826 ms

Loss rate: 0.06%

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

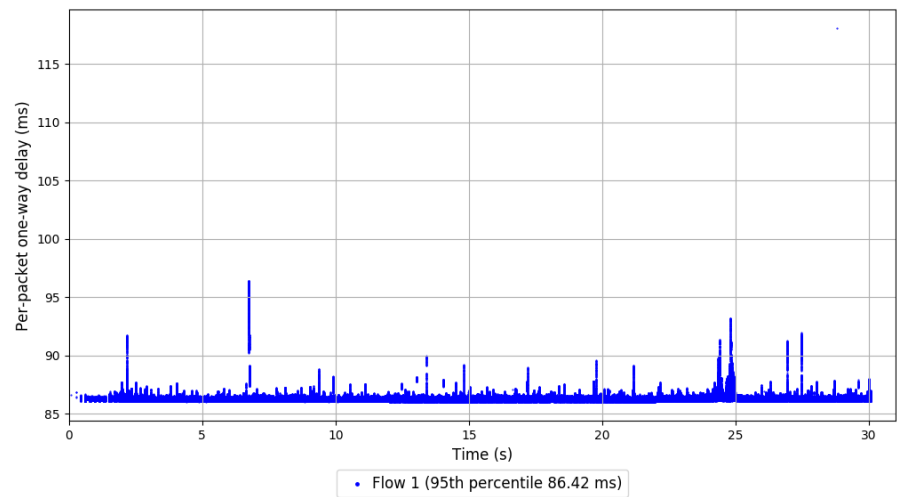
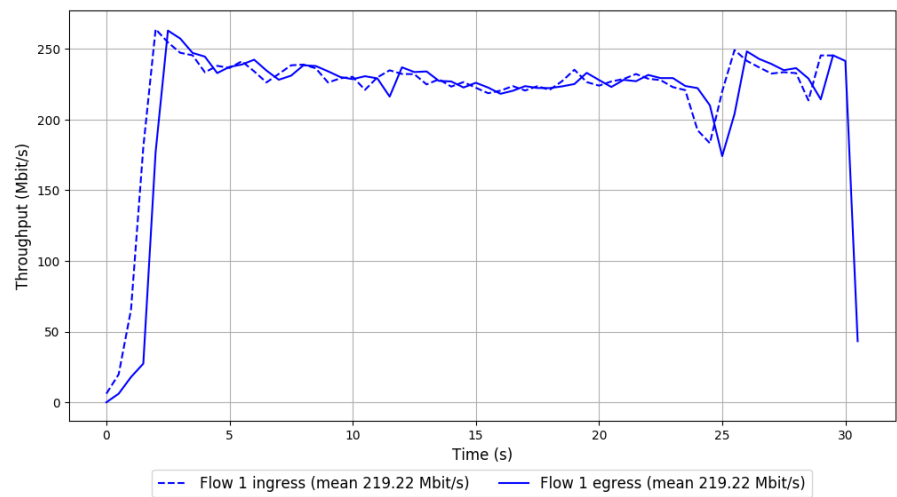


Run 9: Statistics of TaoVA-100x

Start at: 2018-08-09 23:14:37
End at: 2018-08-09 23:15:07
Local clock offset: -0.355 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-08-10 02:04:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.22 Mbit/s
95th percentile per-packet one-way delay: 86.418 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 219.22 Mbit/s
95th percentile per-packet one-way delay: 86.418 ms
Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-08-09 23:37:43

End at: 2018-08-09 23:38:13

Local clock offset: -0.314 ms

Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-08-10 02:04:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.21 Mbit/s

95th percentile per-packet one-way delay: 86.779 ms

Loss rate: 0.00%

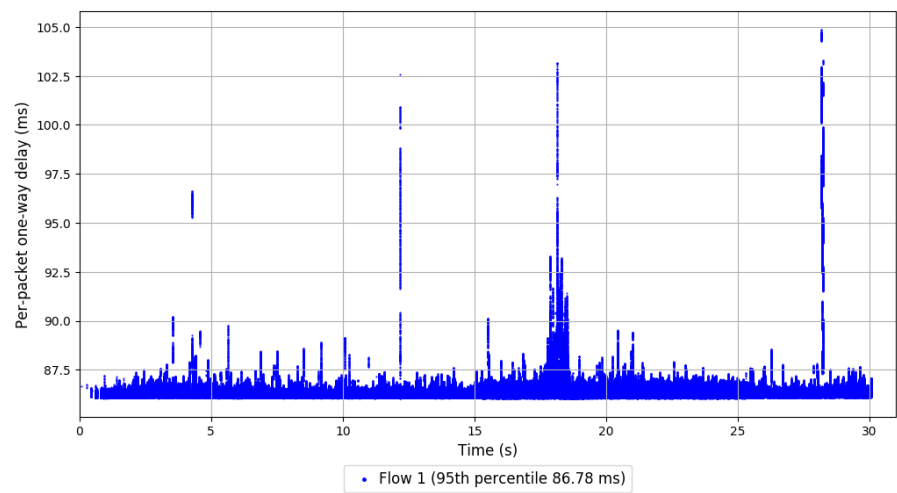
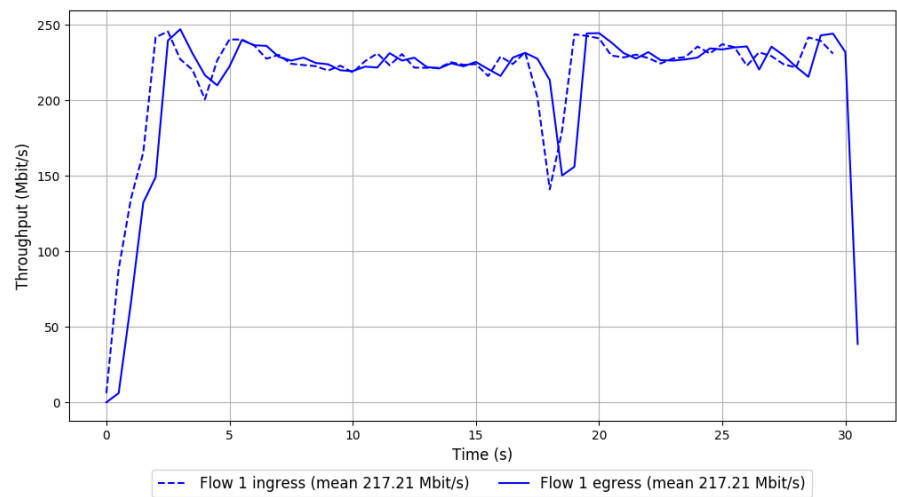
-- Flow 1:

Average throughput: 217.21 Mbit/s

95th percentile per-packet one-way delay: 86.779 ms

Loss rate: 0.00%

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

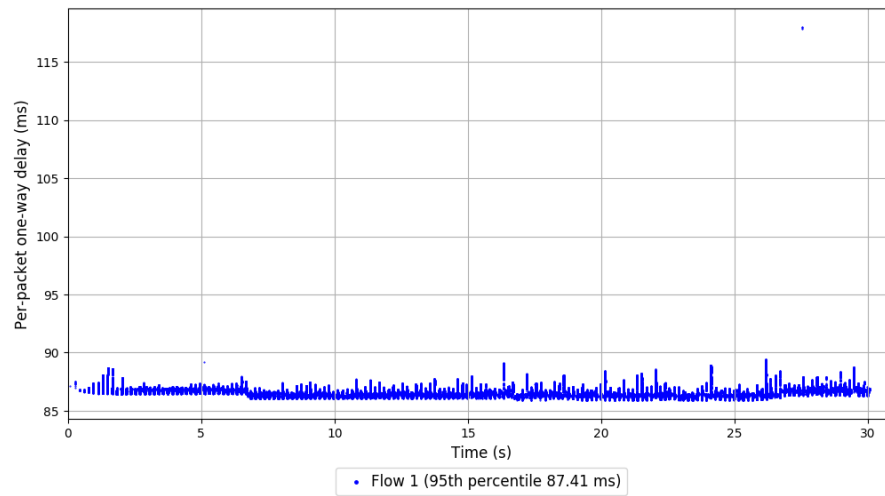
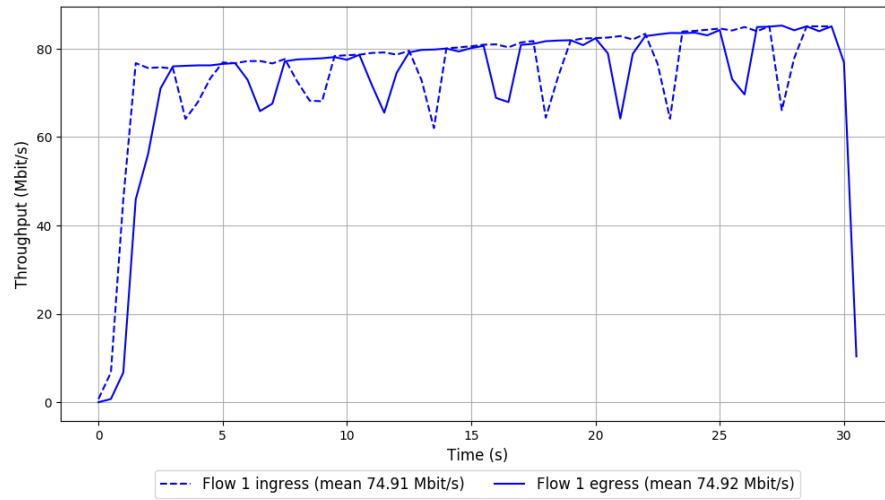


Run 1: Statistics of TCP Vegas

Start at: 2018-08-09 20:29:12
End at: 2018-08-09 20:29:42
Local clock offset: -0.114 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-08-10 02:04:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.92 Mbit/s
95th percentile per-packet one-way delay: 87.414 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 74.92 Mbit/s
95th percentile per-packet one-way delay: 87.414 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

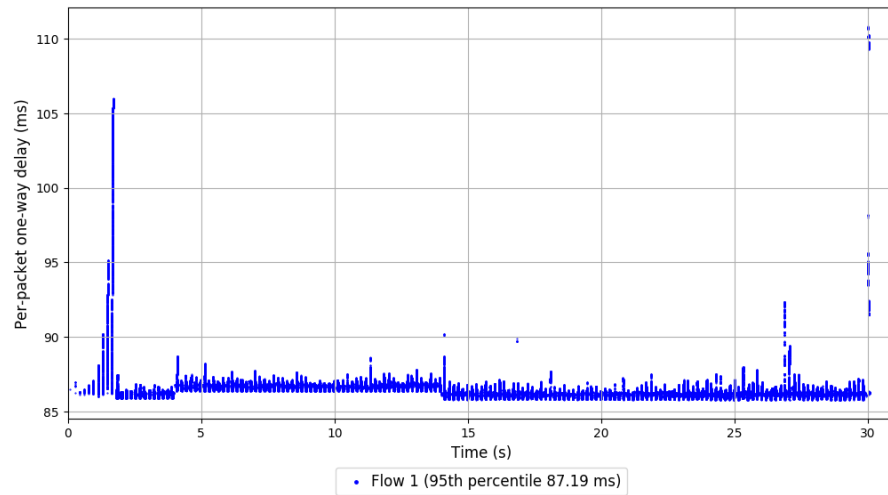
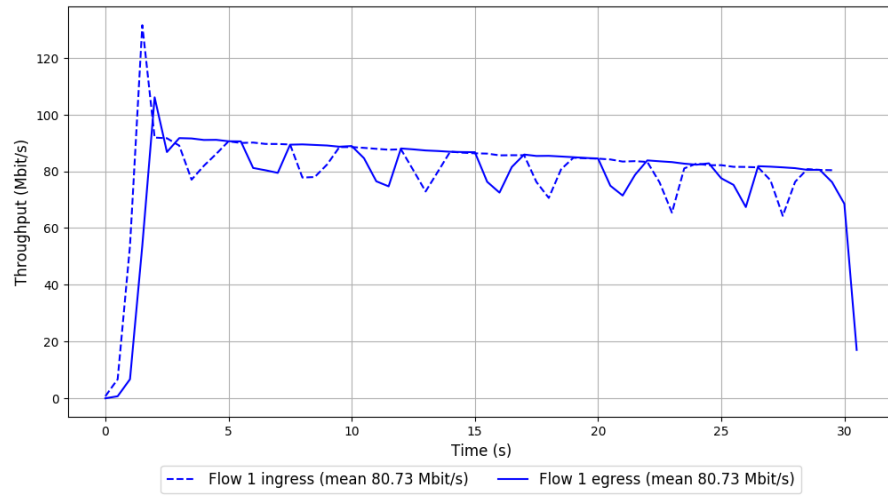


Run 2: Statistics of TCP Vegas

Start at: 2018-08-09 20:52:24
End at: 2018-08-09 20:52:54
Local clock offset: 0.03 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2018-08-10 02:04:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.73 Mbit/s
95th percentile per-packet one-way delay: 87.193 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.73 Mbit/s
95th percentile per-packet one-way delay: 87.193 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

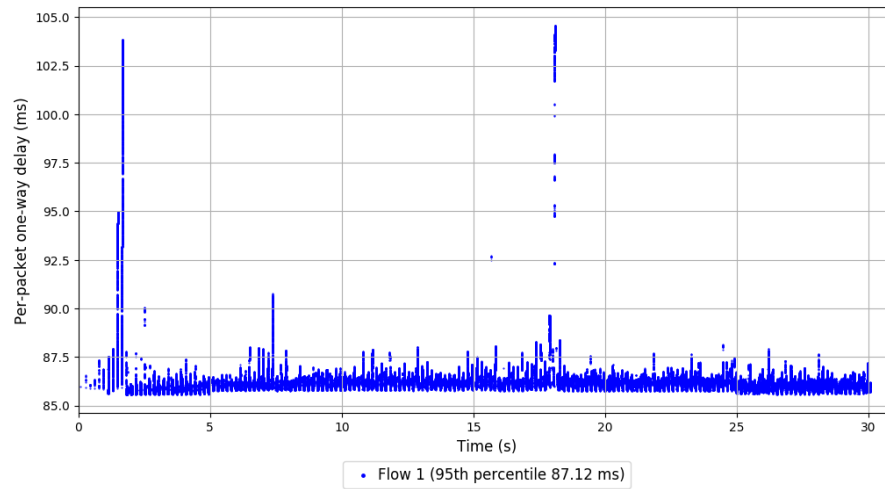
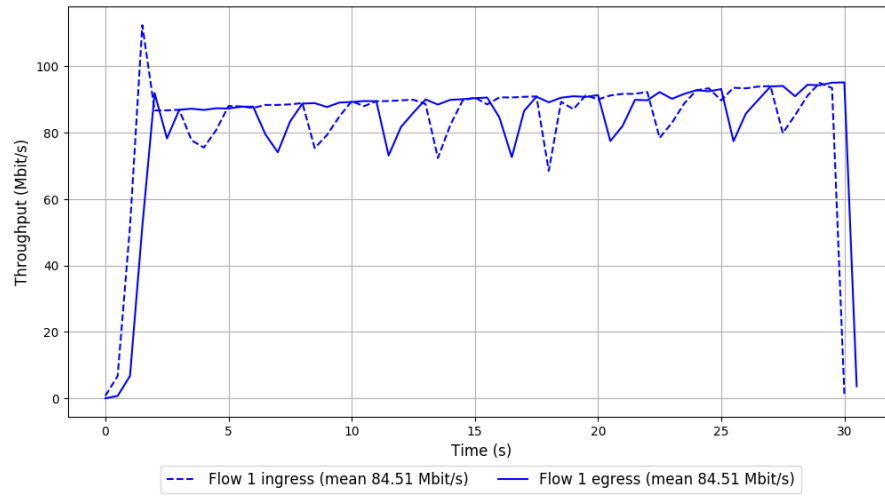


Run 3: Statistics of TCP Vegas

Start at: 2018-08-09 21:15:43
End at: 2018-08-09 21:16:13
Local clock offset: 0.045 ms
Remote clock offset: -0.355 ms

Below is generated by plot.py at 2018-08-10 02:04:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.51 Mbit/s
95th percentile per-packet one-way delay: 87.122 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.51 Mbit/s
95th percentile per-packet one-way delay: 87.122 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

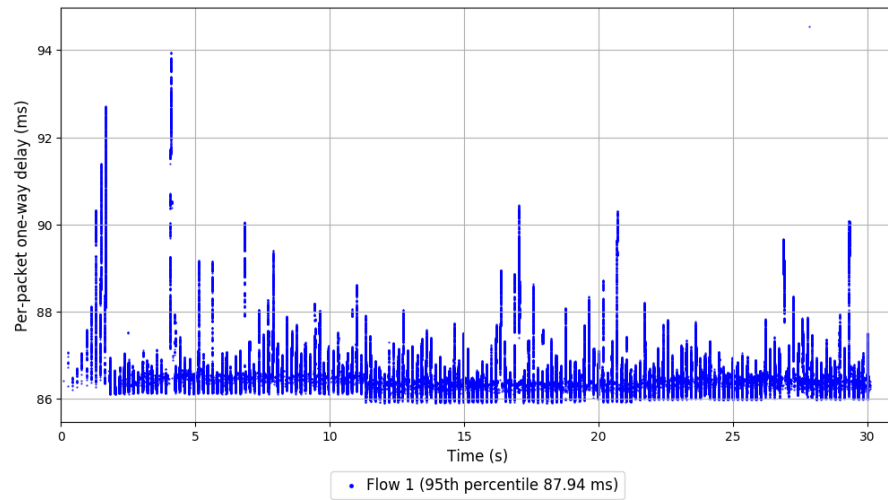
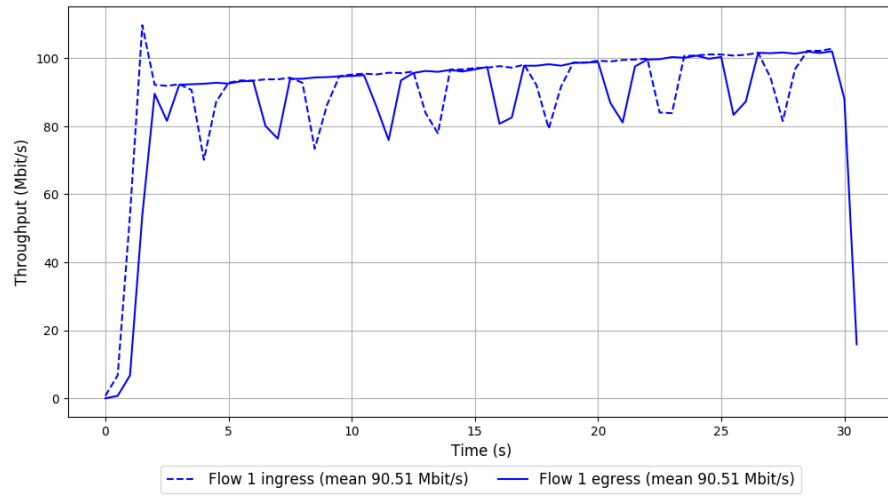


Run 4: Statistics of TCP Vegas

Start at: 2018-08-09 21:38:57
End at: 2018-08-09 21:39:27
Local clock offset: -0.14 ms
Remote clock offset: -0.434 ms

Below is generated by plot.py at 2018-08-10 02:04:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.51 Mbit/s
95th percentile per-packet one-way delay: 87.937 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.51 Mbit/s
95th percentile per-packet one-way delay: 87.937 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

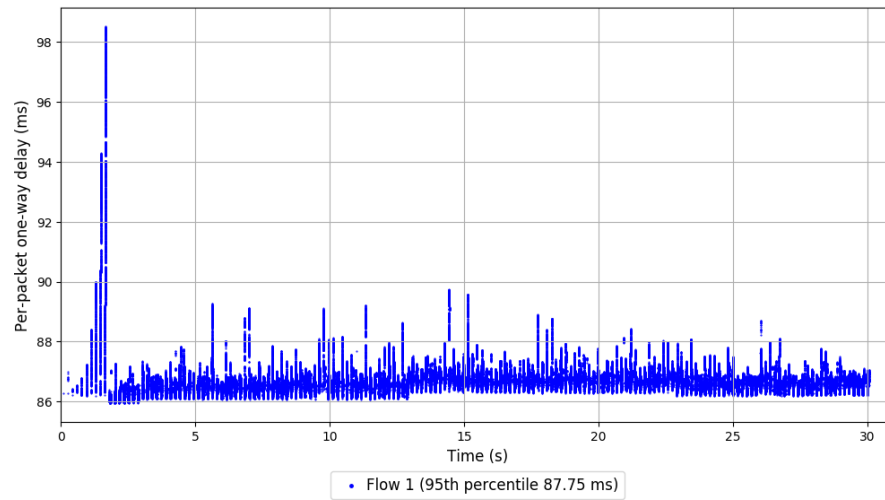
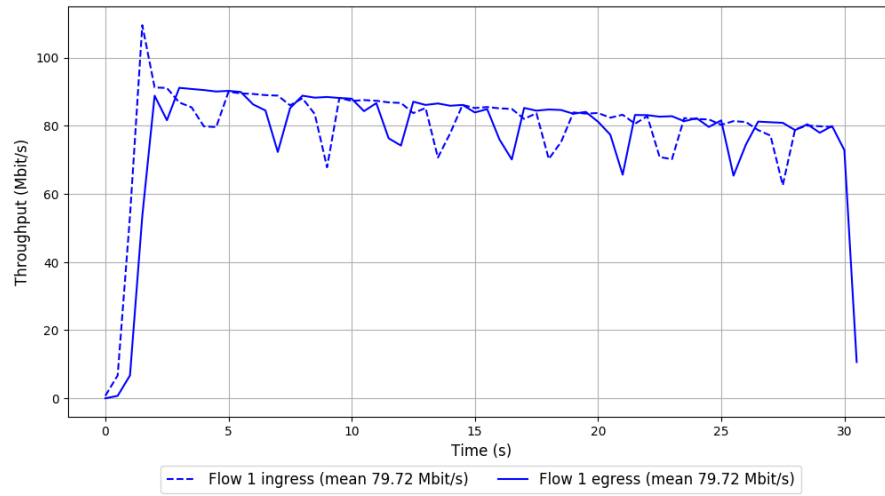


Run 5: Statistics of TCP Vegas

Start at: 2018-08-09 22:02:16
End at: 2018-08-09 22:02:46
Local clock offset: -0.244 ms
Remote clock offset: -0.366 ms

Below is generated by plot.py at 2018-08-10 02:04:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.72 Mbit/s
95th percentile per-packet one-way delay: 87.747 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 79.72 Mbit/s
95th percentile per-packet one-way delay: 87.747 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-08-09 22:25:31

End at: 2018-08-09 22:26:01

Local clock offset: -0.01 ms

Remote clock offset: 0.172 ms

Below is generated by plot.py at 2018-08-10 02:04:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.57 Mbit/s

95th percentile per-packet one-way delay: 87.949 ms

Loss rate: 0.00%

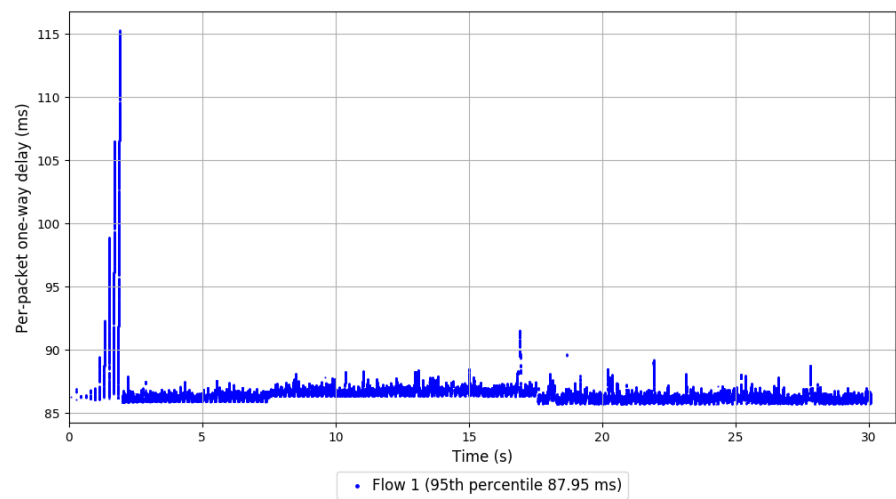
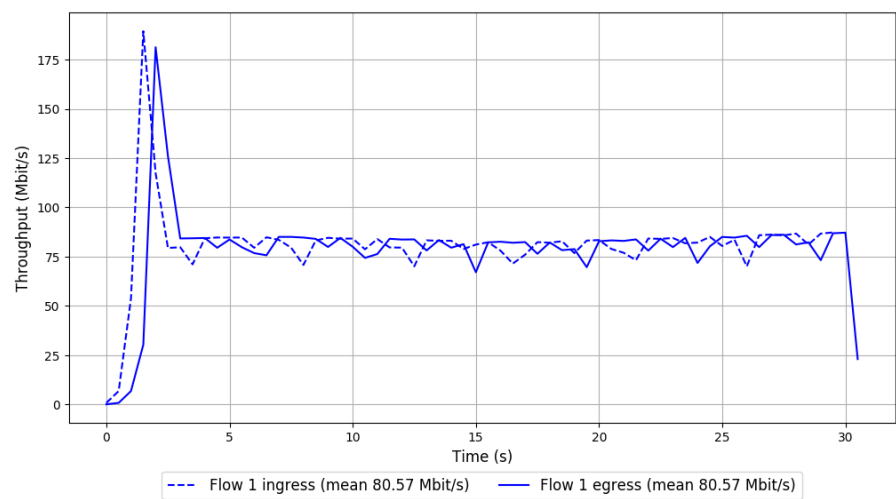
-- Flow 1:

Average throughput: 80.57 Mbit/s

95th percentile per-packet one-way delay: 87.949 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

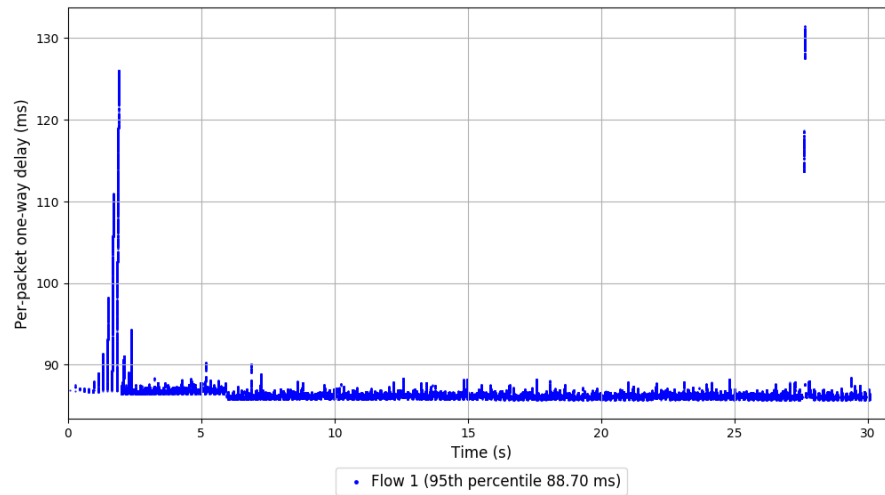
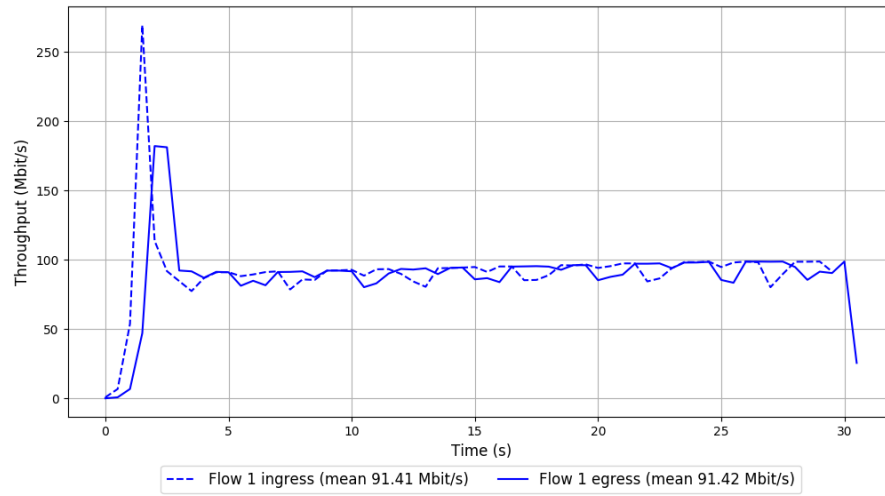


Run 7: Statistics of TCP Vegas

Start at: 2018-08-09 22:48:52
End at: 2018-08-09 22:49:23
Local clock offset: -0.074 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-08-10 02:04:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.42 Mbit/s
95th percentile per-packet one-way delay: 88.704 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.42 Mbit/s
95th percentile per-packet one-way delay: 88.704 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

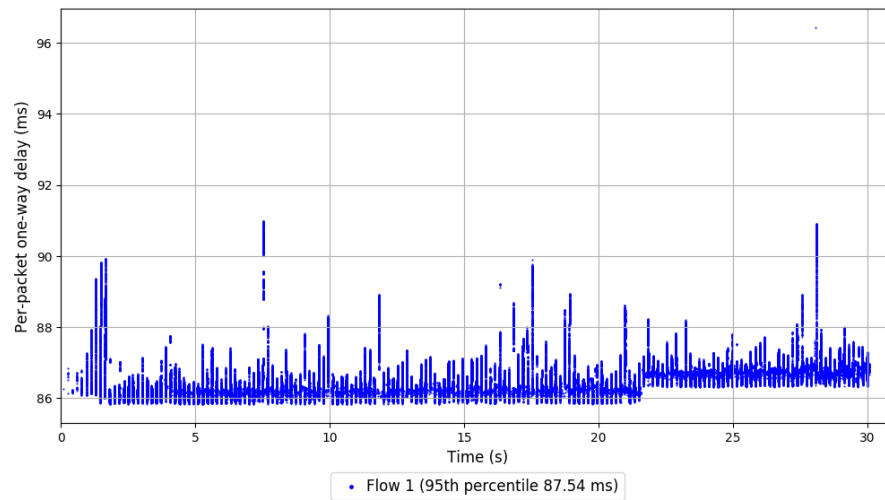
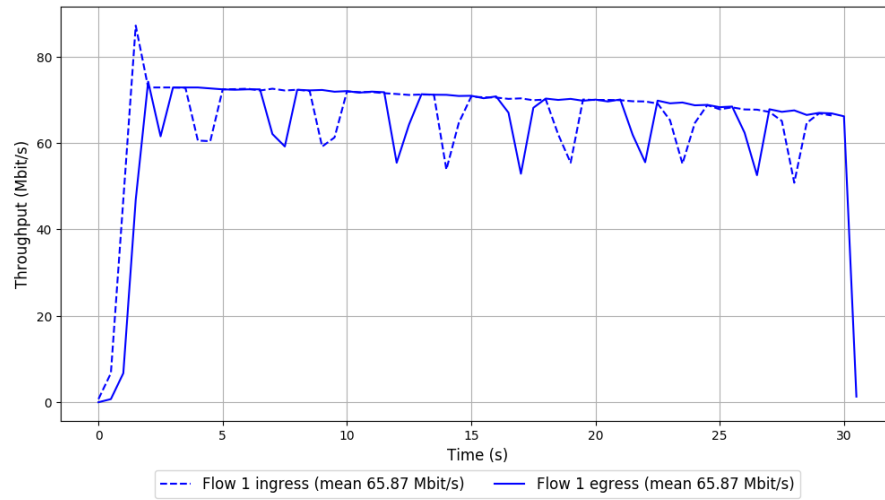


Run 8: Statistics of TCP Vegas

Start at: 2018-08-09 23:11:57
End at: 2018-08-09 23:12:27
Local clock offset: -0.111 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-08-10 02:04:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.87 Mbit/s
95th percentile per-packet one-way delay: 87.540 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.87 Mbit/s
95th percentile per-packet one-way delay: 87.540 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

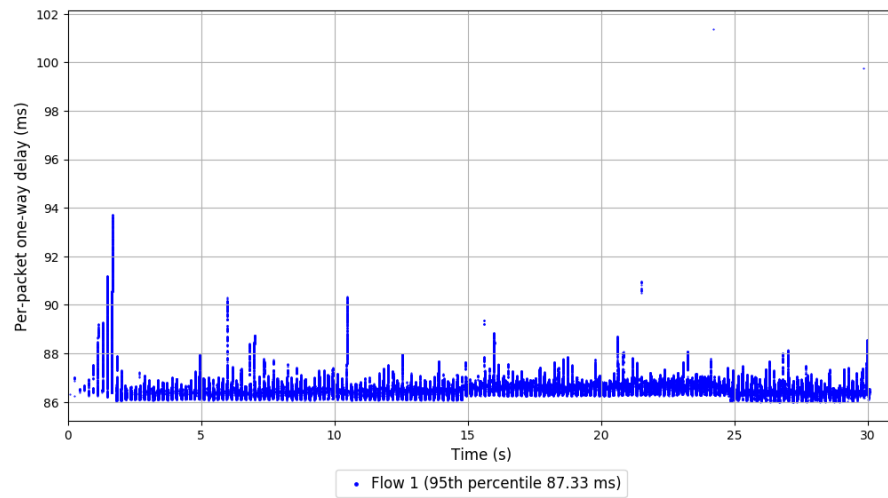
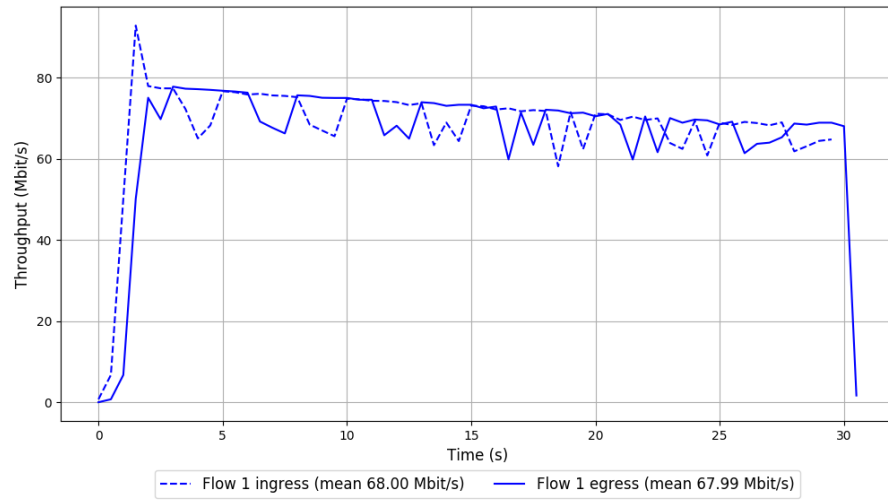


Run 9: Statistics of TCP Vegas

Start at: 2018-08-09 23:35:04
End at: 2018-08-09 23:35:34
Local clock offset: -0.28 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-08-10 02:04:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.99 Mbit/s
95th percentile per-packet one-way delay: 87.325 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.99 Mbit/s
95th percentile per-packet one-way delay: 87.325 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-08-09 23:58:07

End at: 2018-08-09 23:58:37

Local clock offset: -0.005 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-08-10 02:05:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.47 Mbit/s

95th percentile per-packet one-way delay: 87.413 ms

Loss rate: 0.00%

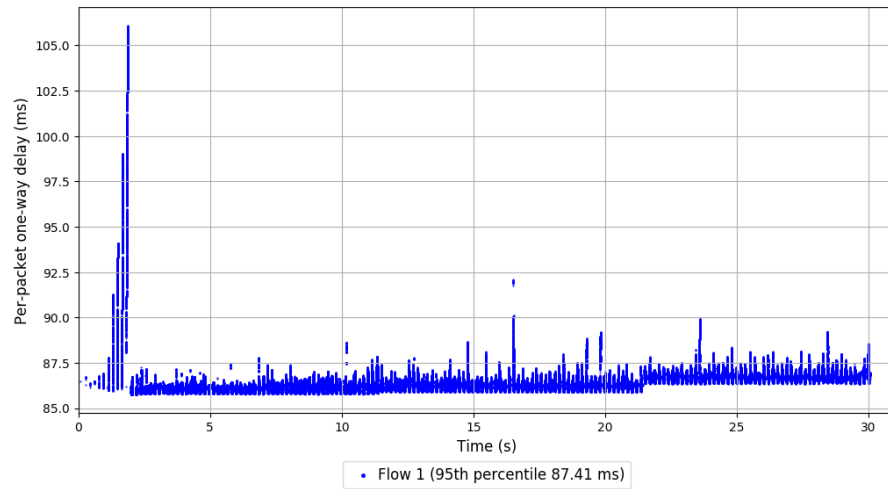
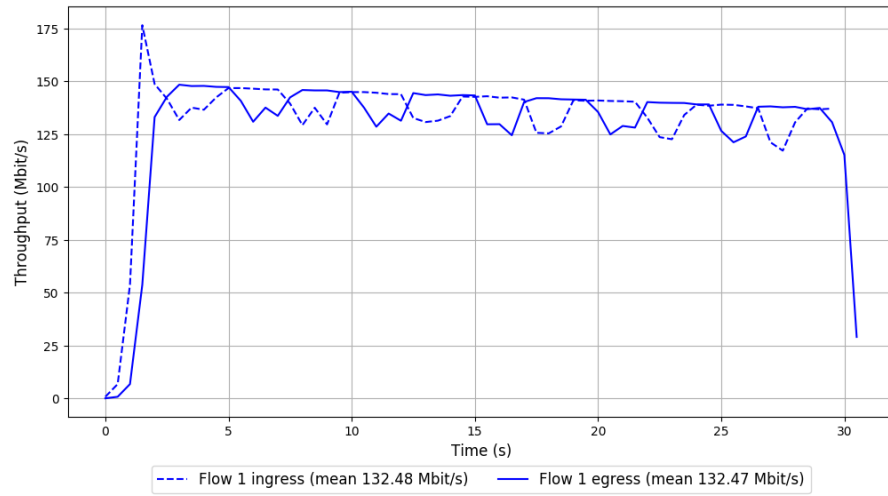
-- Flow 1:

Average throughput: 132.47 Mbit/s

95th percentile per-packet one-way delay: 87.413 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

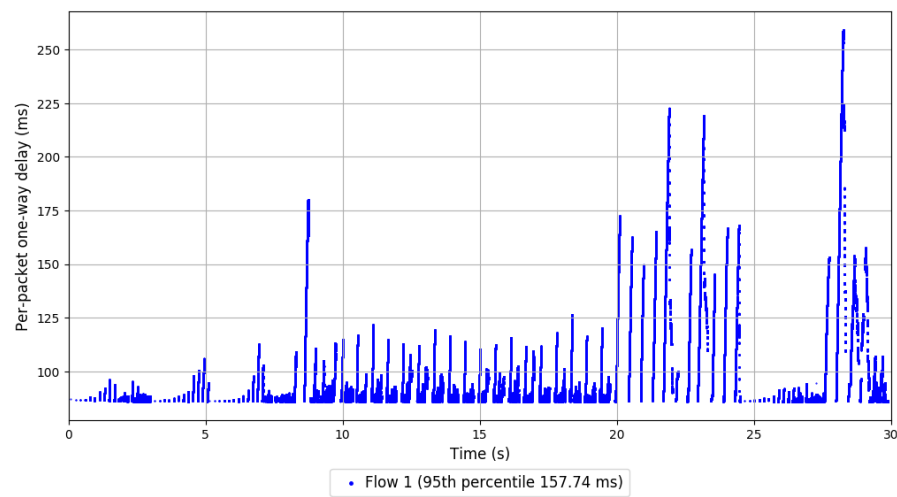
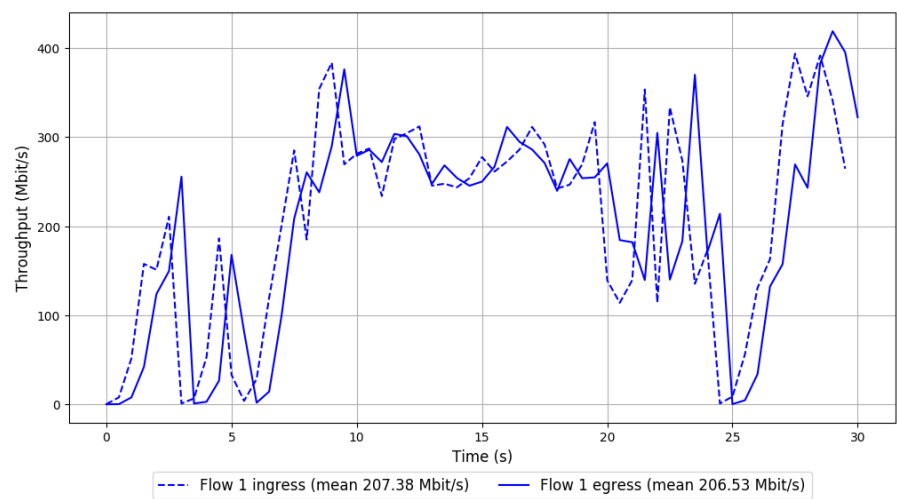


Run 1: Statistics of Verus

Start at: 2018-08-09 20:15:36
End at: 2018-08-09 20:16:06
Local clock offset: -0.087 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2018-08-10 02:06:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 206.53 Mbit/s
95th percentile per-packet one-way delay: 157.736 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 206.53 Mbit/s
95th percentile per-packet one-way delay: 157.736 ms
Loss rate: 0.41%

Run 1: Report of Verus — Data Link

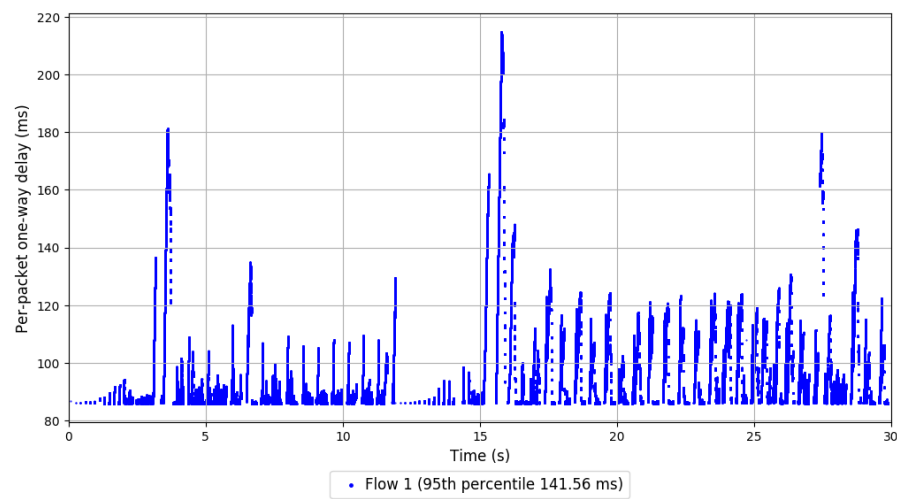
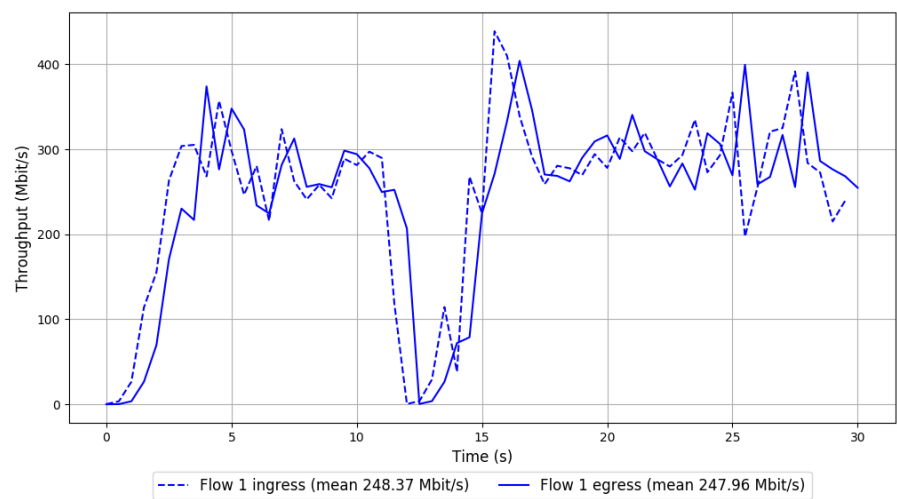


Run 2: Statistics of Verus

Start at: 2018-08-09 20:38:32
End at: 2018-08-09 20:39:02
Local clock offset: 0.038 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-08-10 02:07:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 247.96 Mbit/s
95th percentile per-packet one-way delay: 141.557 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 247.96 Mbit/s
95th percentile per-packet one-way delay: 141.557 ms
Loss rate: 0.17%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-08-09 21:01:50

End at: 2018-08-09 21:02:20

Local clock offset: -0.15 ms

Remote clock offset: -0.25 ms

Below is generated by plot.py at 2018-08-10 02:08:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 267.04 Mbit/s

95th percentile per-packet one-way delay: 199.233 ms

Loss rate: 1.40%

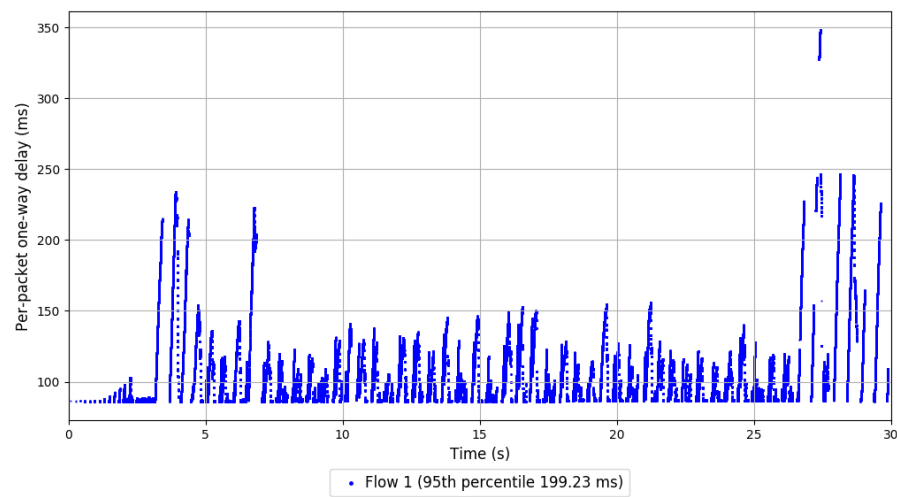
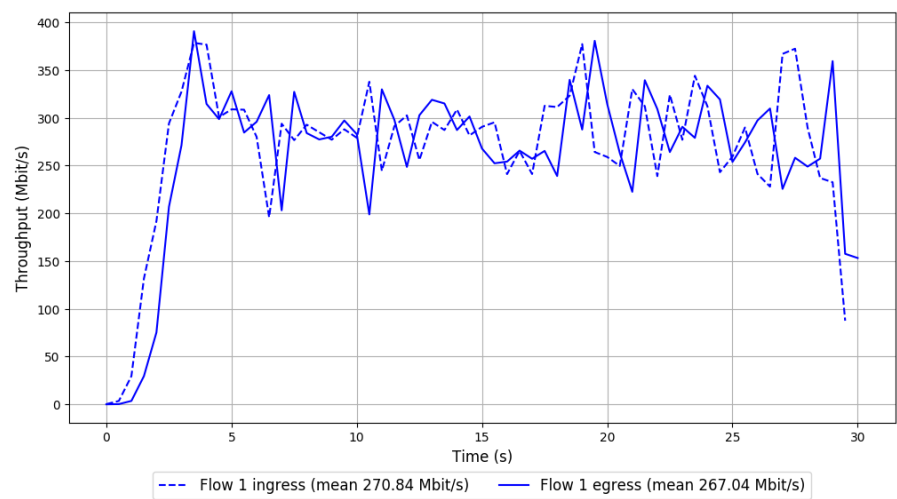
-- Flow 1:

Average throughput: 267.04 Mbit/s

95th percentile per-packet one-way delay: 199.233 ms

Loss rate: 1.40%

Run 3: Report of Verus — Data Link

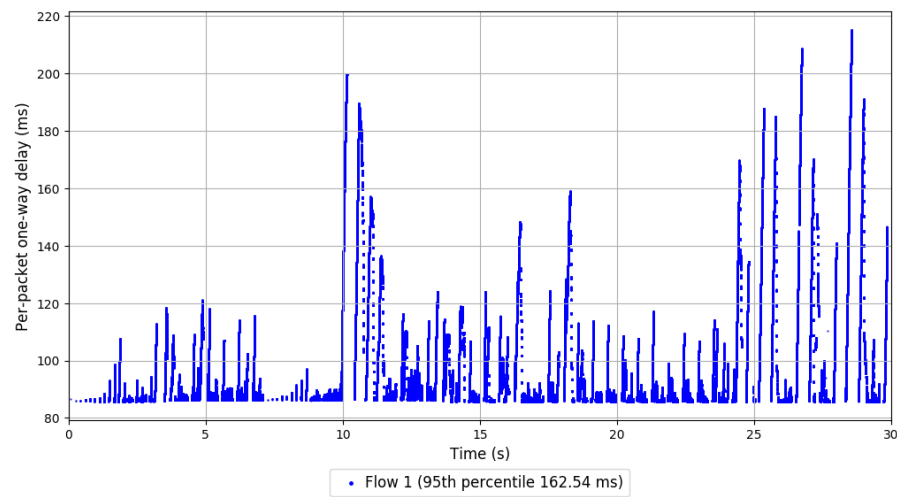
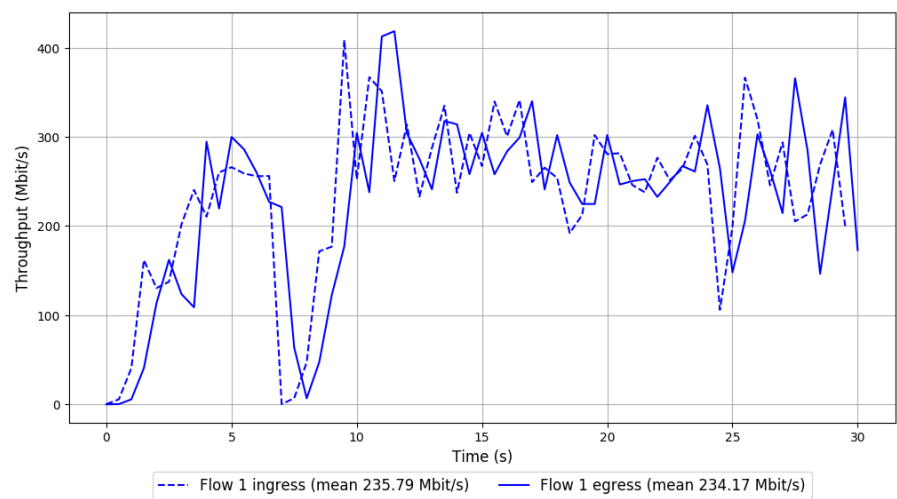


Run 4: Statistics of Verus

Start at: 2018-08-09 21:25:15
End at: 2018-08-09 21:25:45
Local clock offset: 0.05 ms
Remote clock offset: -0.395 ms

Below is generated by plot.py at 2018-08-10 02:08:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 234.17 Mbit/s
95th percentile per-packet one-way delay: 162.538 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 234.17 Mbit/s
95th percentile per-packet one-way delay: 162.538 ms
Loss rate: 0.59%

Run 4: Report of Verus — Data Link

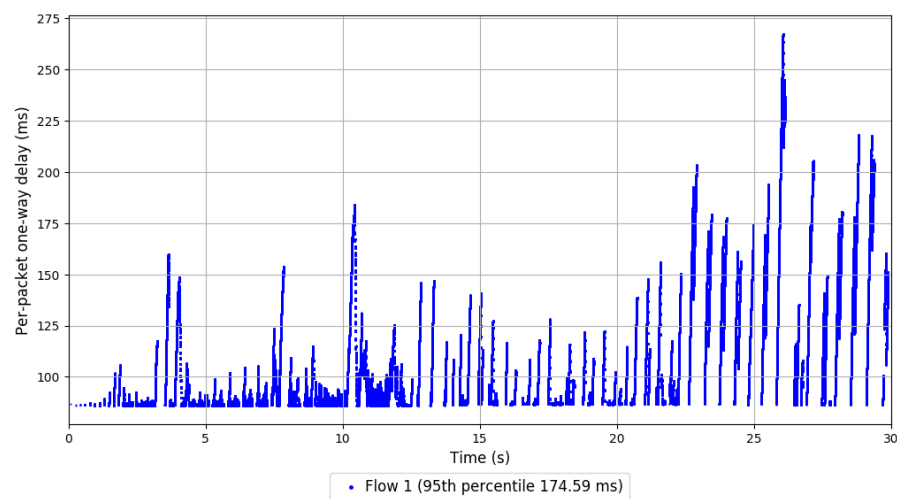
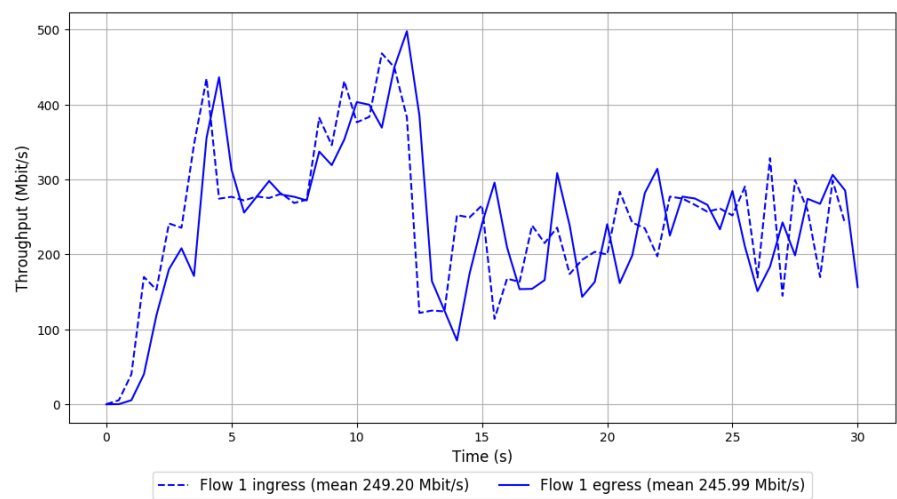


Run 5: Statistics of Verus

Start at: 2018-08-09 21:48:24
End at: 2018-08-09 21:48:54
Local clock offset: -0.16 ms
Remote clock offset: -0.493 ms

Below is generated by plot.py at 2018-08-10 02:08:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 245.99 Mbit/s
95th percentile per-packet one-way delay: 174.585 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 245.99 Mbit/s
95th percentile per-packet one-way delay: 174.585 ms
Loss rate: 1.19%

Run 5: Report of Verus — Data Link

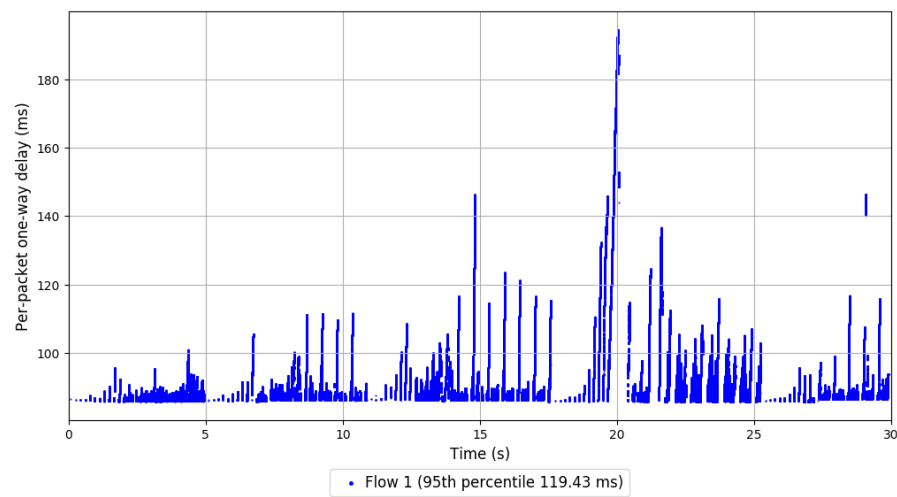
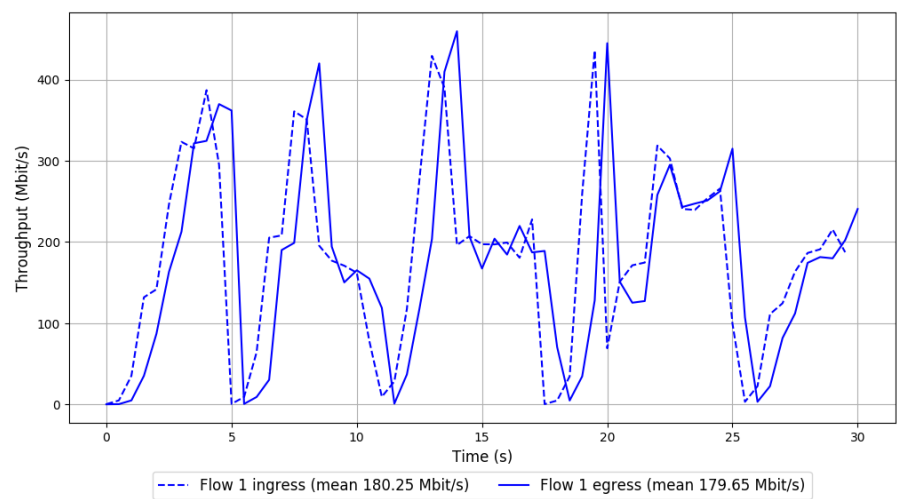


Run 6: Statistics of Verus

Start at: 2018-08-09 22:11:41
End at: 2018-08-09 22:12:11
Local clock offset: 0.034 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-08-10 02:08:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 179.65 Mbit/s
95th percentile per-packet one-way delay: 119.431 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 179.65 Mbit/s
95th percentile per-packet one-way delay: 119.431 ms
Loss rate: 0.32%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-08-09 22:34:59

End at: 2018-08-09 22:35:29

Local clock offset: 0.024 ms

Remote clock offset: 0.187 ms

Below is generated by plot.py at 2018-08-10 02:08:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 178.03 Mbit/s

95th percentile per-packet one-way delay: 116.902 ms

Loss rate: 0.00%

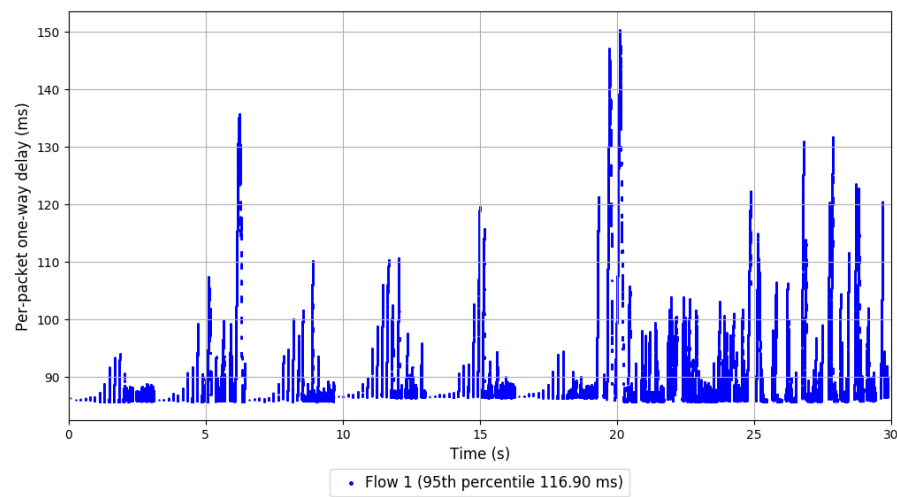
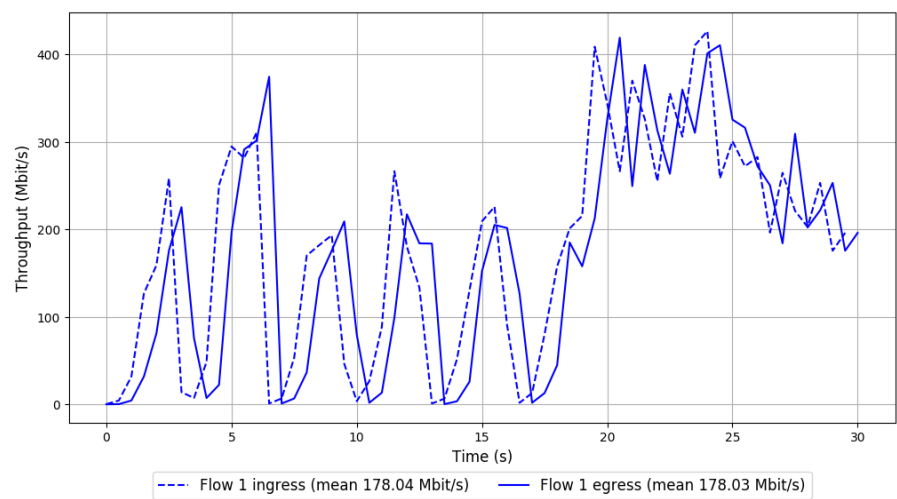
-- Flow 1:

Average throughput: 178.03 Mbit/s

95th percentile per-packet one-way delay: 116.902 ms

Loss rate: 0.00%

Run 7: Report of Verus — Data Link

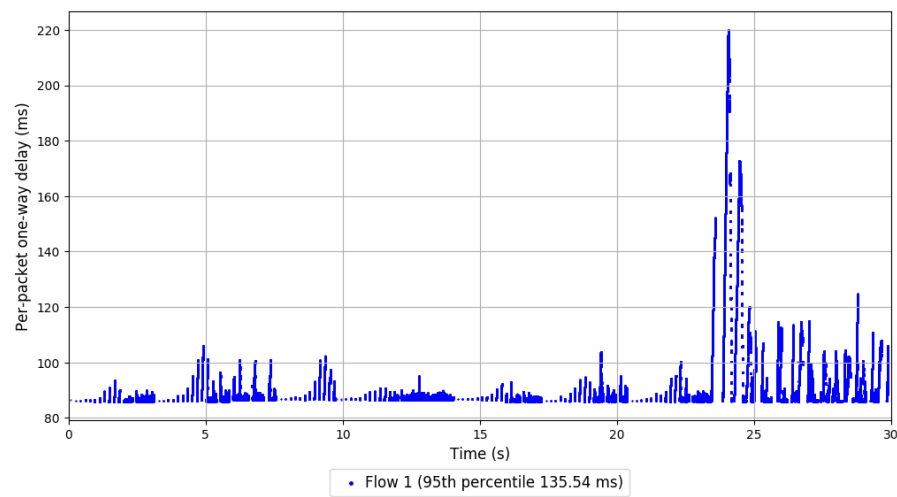
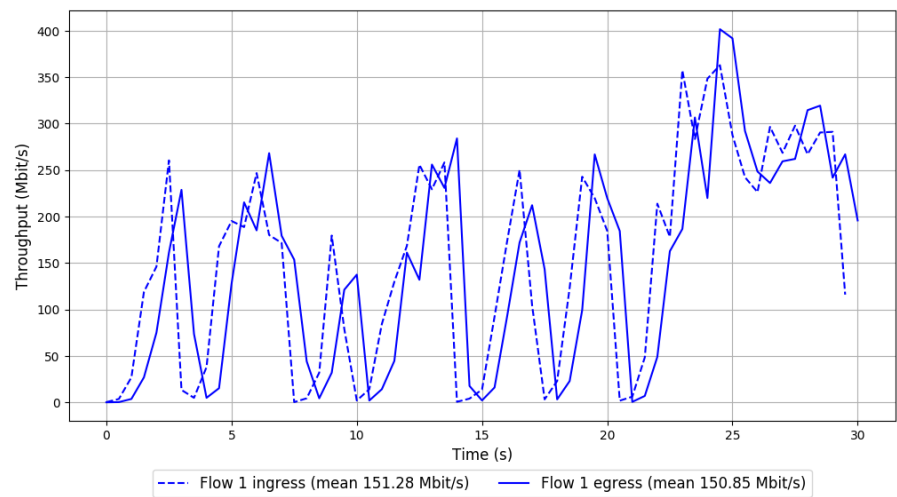


Run 8: Statistics of Verus

Start at: 2018-08-09 22:58:22
End at: 2018-08-09 22:58:52
Local clock offset: -0.184 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-08-10 02:08:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 150.85 Mbit/s
95th percentile per-packet one-way delay: 135.542 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 150.85 Mbit/s
95th percentile per-packet one-way delay: 135.542 ms
Loss rate: 0.24%

Run 8: Report of Verus — Data Link

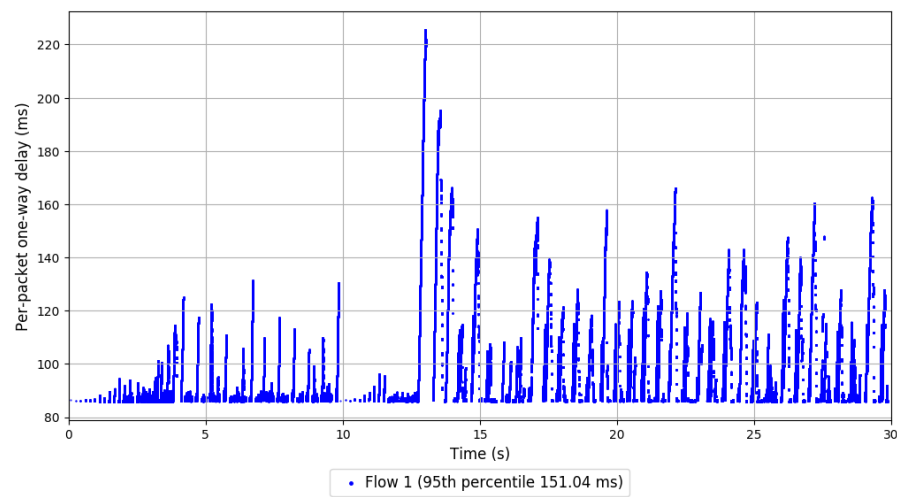
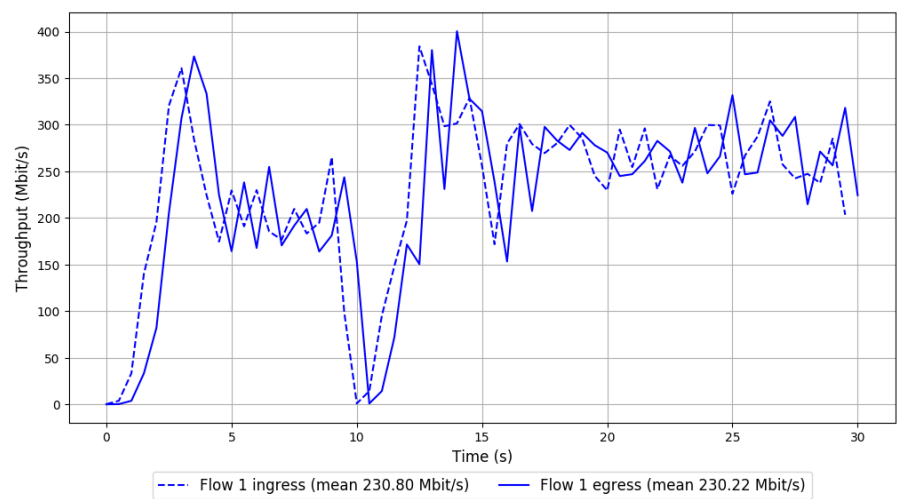


Run 9: Statistics of Verus

Start at: 2018-08-09 23:21:24
End at: 2018-08-09 23:21:54
Local clock offset: -0.112 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-08-10 02:10:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 230.22 Mbit/s
95th percentile per-packet one-way delay: 151.036 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 230.22 Mbit/s
95th percentile per-packet one-way delay: 151.036 ms
Loss rate: 0.25%

Run 9: Report of Verus — Data Link

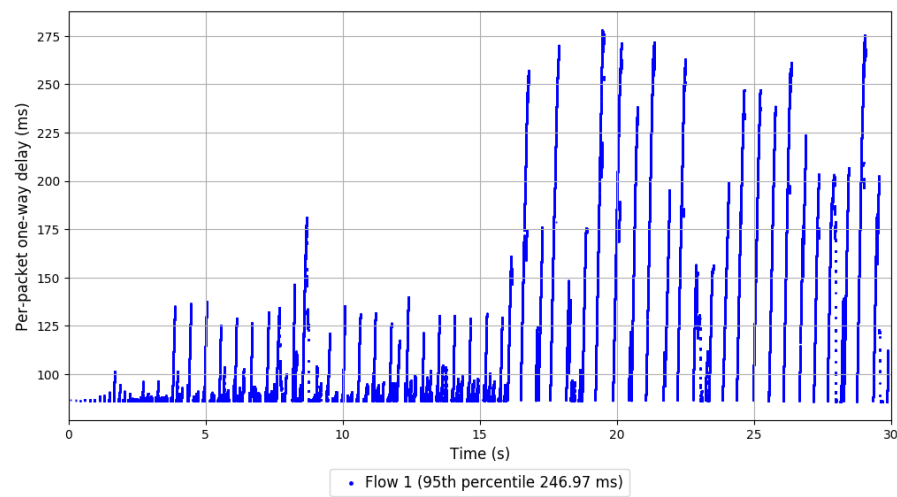
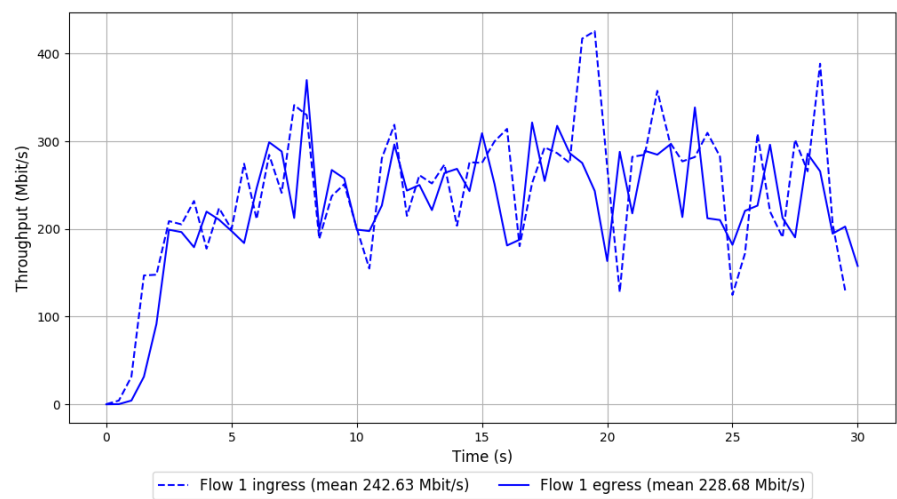


Run 10: Statistics of Verus

Start at: 2018-08-09 23:44:23
End at: 2018-08-09 23:44:53
Local clock offset: -0.064 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-08-10 02:11:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 228.68 Mbit/s
95th percentile per-packet one-way delay: 246.968 ms
Loss rate: 5.75%
-- Flow 1:
Average throughput: 228.68 Mbit/s
95th percentile per-packet one-way delay: 246.968 ms
Loss rate: 5.75%

Run 10: Report of Verus — Data Link

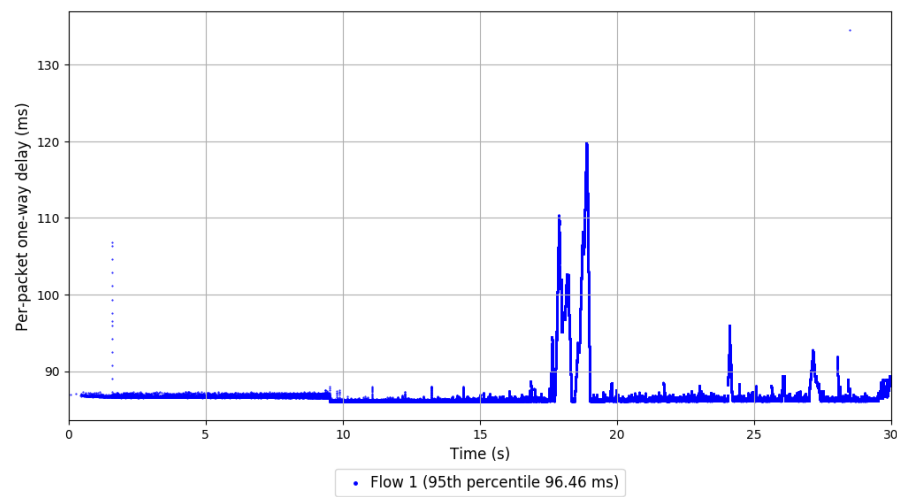
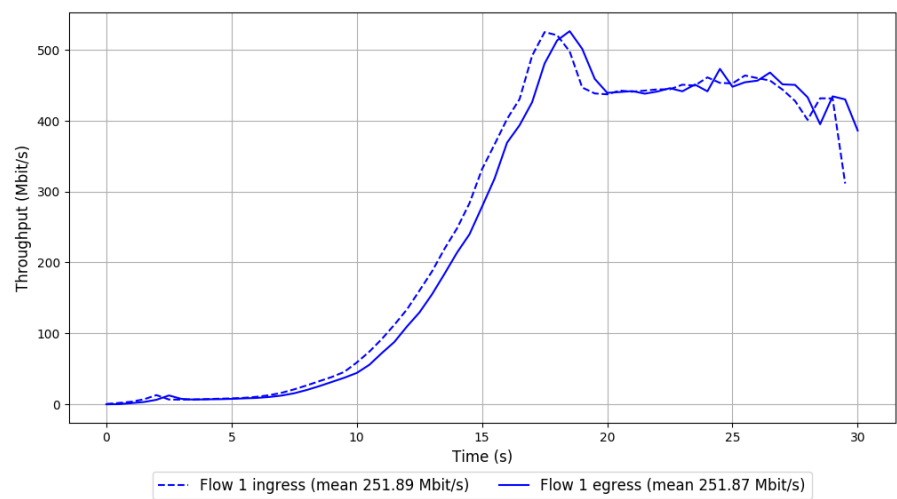


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-09 20:19:38
End at: 2018-08-09 20:20:08
Local clock offset: -0.231 ms
Remote clock offset: -0.134 ms

Below is generated by plot.py at 2018-08-10 02:11:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 251.87 Mbit/s
95th percentile per-packet one-way delay: 96.457 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 251.87 Mbit/s
95th percentile per-packet one-way delay: 96.457 ms
Loss rate: 0.01%

Run 1: Report of PCC-Vivace — Data Link

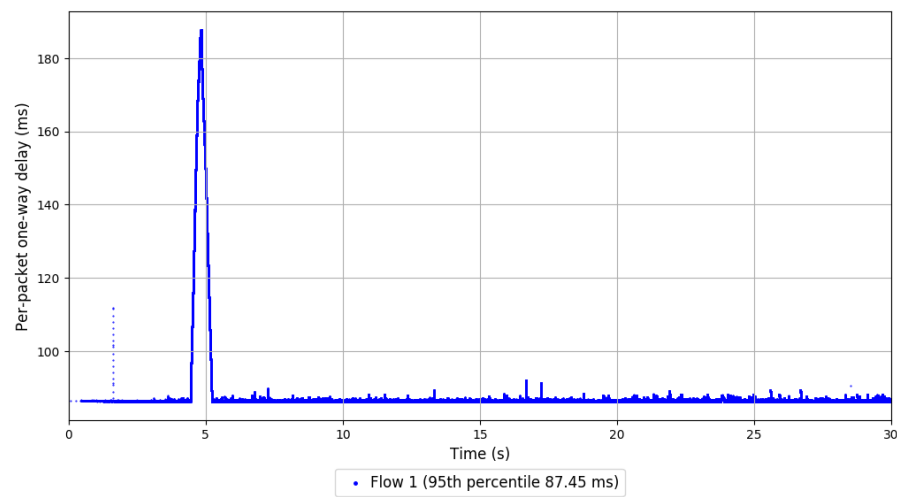
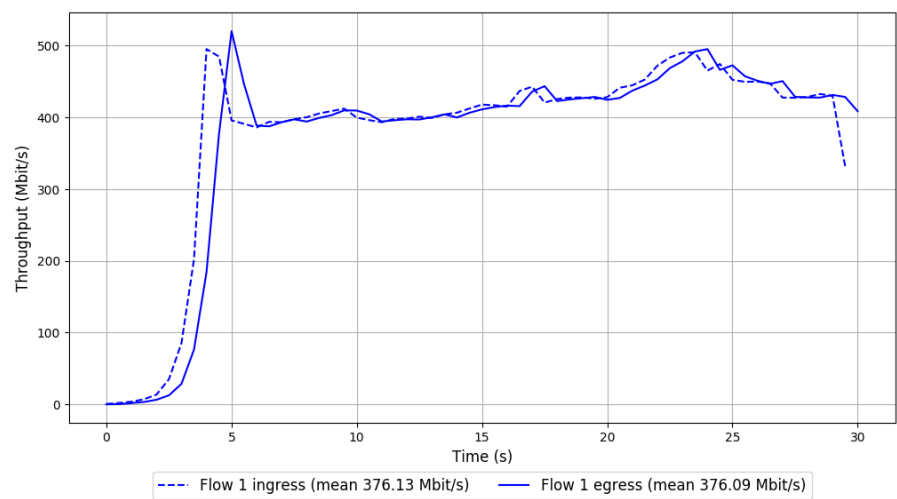


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-09 20:42:31
End at: 2018-08-09 20:43:01
Local clock offset: 0.109 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2018-08-10 02:14:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 376.09 Mbit/s
95th percentile per-packet one-way delay: 87.452 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 376.09 Mbit/s
95th percentile per-packet one-way delay: 87.452 ms
Loss rate: 0.01%

Run 2: Report of PCC-Vivace — Data Link

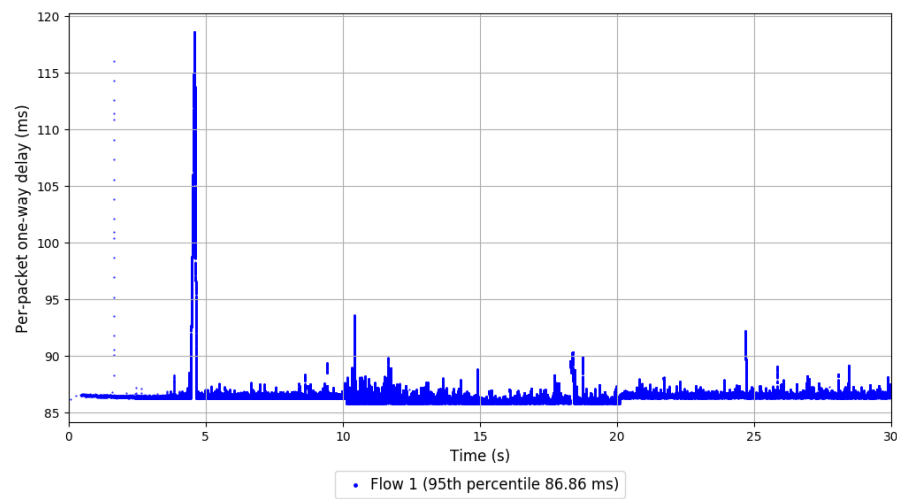
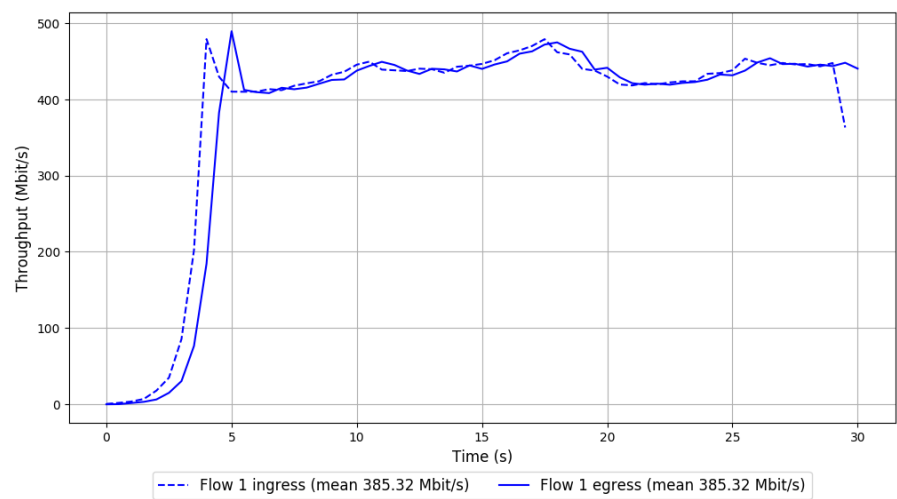


Run 3: Statistics of PCC-Vivace

Start at: 2018-08-09 21:05:47
End at: 2018-08-09 21:06:17
Local clock offset: -0.017 ms
Remote clock offset: -0.276 ms

Below is generated by plot.py at 2018-08-10 02:14:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 385.32 Mbit/s
95th percentile per-packet one-way delay: 86.861 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 385.32 Mbit/s
95th percentile per-packet one-way delay: 86.861 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-08-09 21:29:14

End at: 2018-08-09 21:29:44

Local clock offset: -0.169 ms

Remote clock offset: -0.362 ms

Below is generated by plot.py at 2018-08-10 02:14:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 383.24 Mbit/s

95th percentile per-packet one-way delay: 87.084 ms

Loss rate: 0.00%

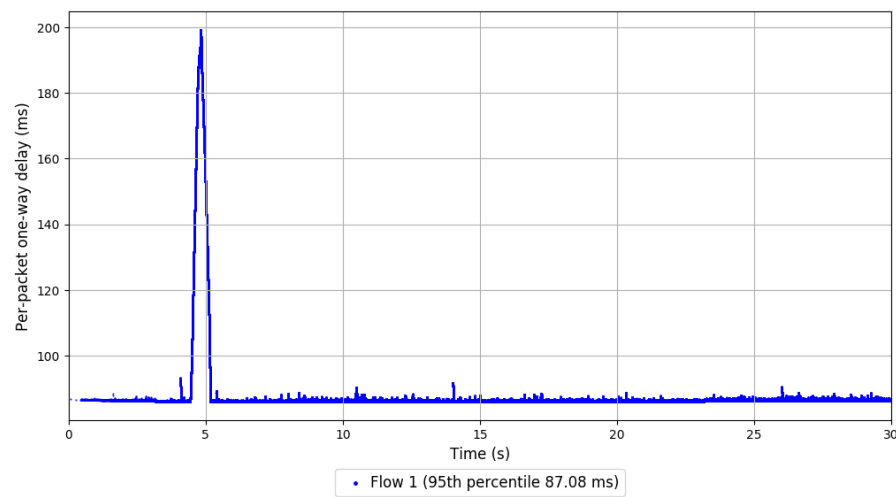
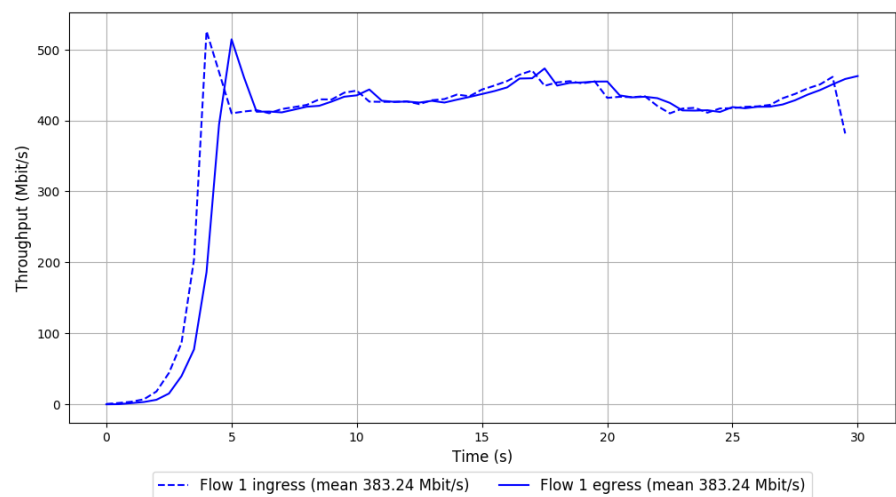
-- Flow 1:

Average throughput: 383.24 Mbit/s

95th percentile per-packet one-way delay: 87.084 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

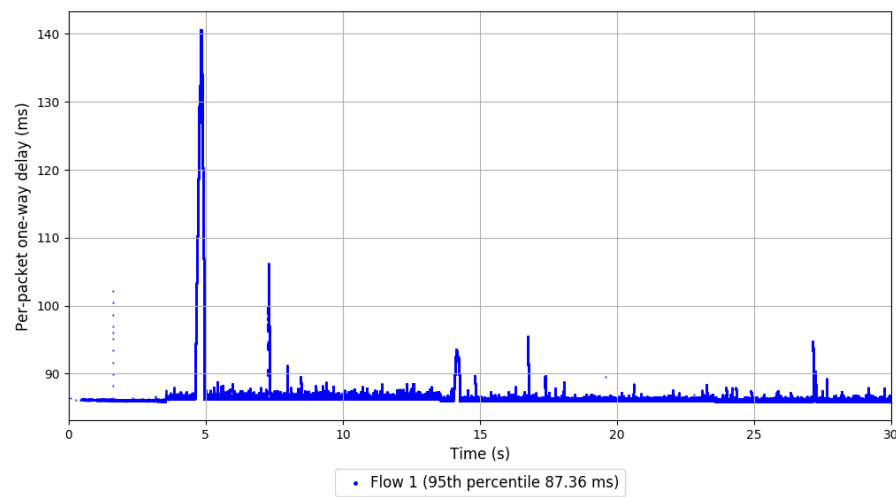
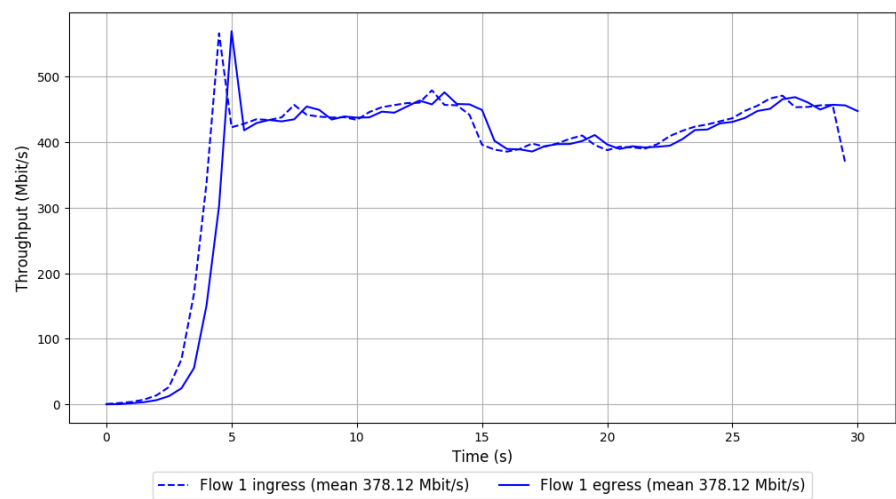


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-09 21:52:25
End at: 2018-08-09 21:52:55
Local clock offset: -0.13 ms
Remote clock offset: -0.517 ms

Below is generated by plot.py at 2018-08-10 02:14:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 378.12 Mbit/s
95th percentile per-packet one-way delay: 87.360 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 378.12 Mbit/s
95th percentile per-packet one-way delay: 87.360 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-08-09 22:15:40

End at: 2018-08-09 22:16:10

Local clock offset: -0.167 ms

Remote clock offset: 0.072 ms

Below is generated by plot.py at 2018-08-10 02:15:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 391.07 Mbit/s

95th percentile per-packet one-way delay: 102.446 ms

Loss rate: 0.00%

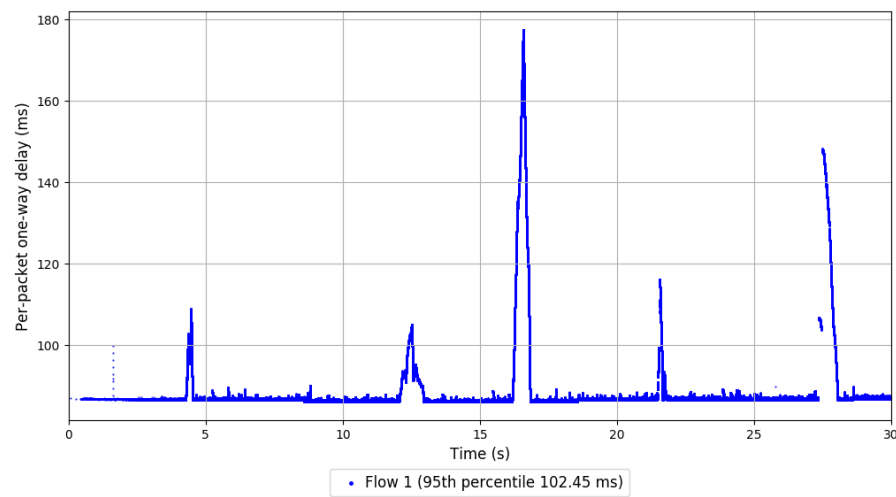
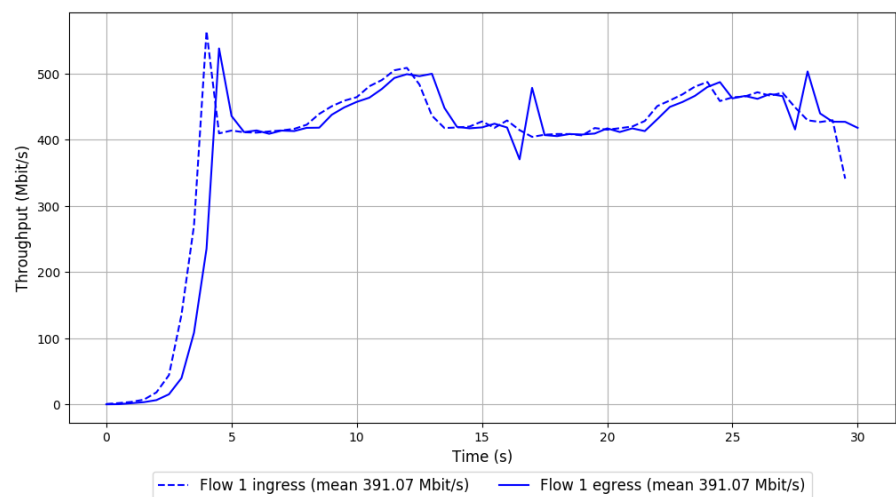
-- Flow 1:

Average throughput: 391.07 Mbit/s

95th percentile per-packet one-way delay: 102.446 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-08-09 22:38:53

End at: 2018-08-09 22:39:23

Local clock offset: -0.122 ms

Remote clock offset: 0.099 ms

Below is generated by plot.py at 2018-08-10 02:16:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 387.31 Mbit/s

95th percentile per-packet one-way delay: 93.599 ms

Loss rate: 0.02%

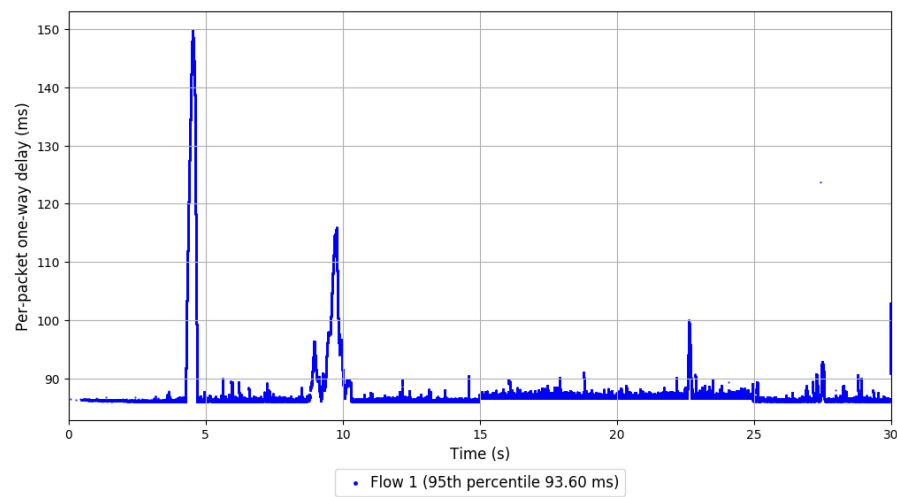
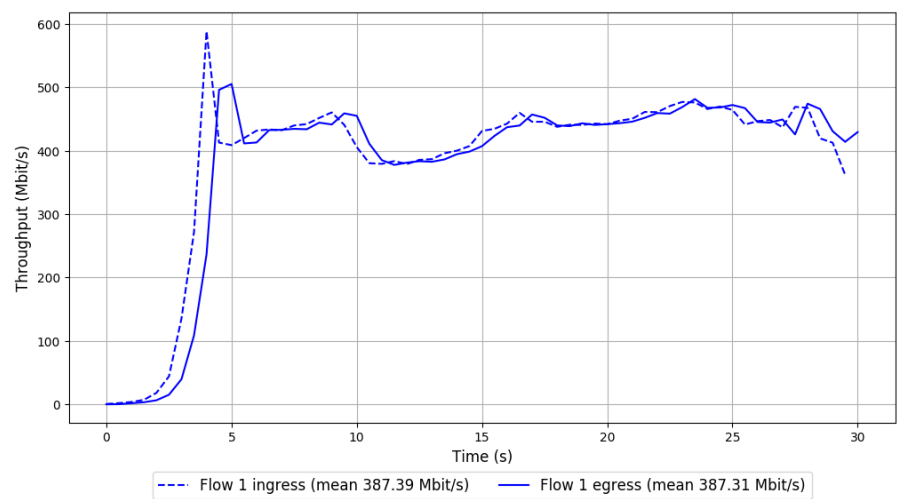
-- Flow 1:

Average throughput: 387.31 Mbit/s

95th percentile per-packet one-way delay: 93.599 ms

Loss rate: 0.02%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-08-09 23:02:14

End at: 2018-08-09 23:02:44

Local clock offset: -0.204 ms

Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-08-10 02:16:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 309.15 Mbit/s

95th percentile per-packet one-way delay: 112.413 ms

Loss rate: 0.05%

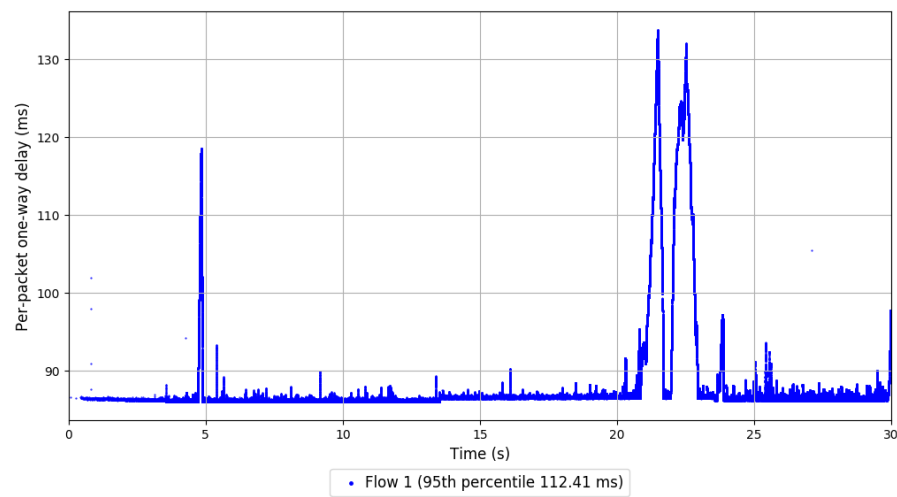
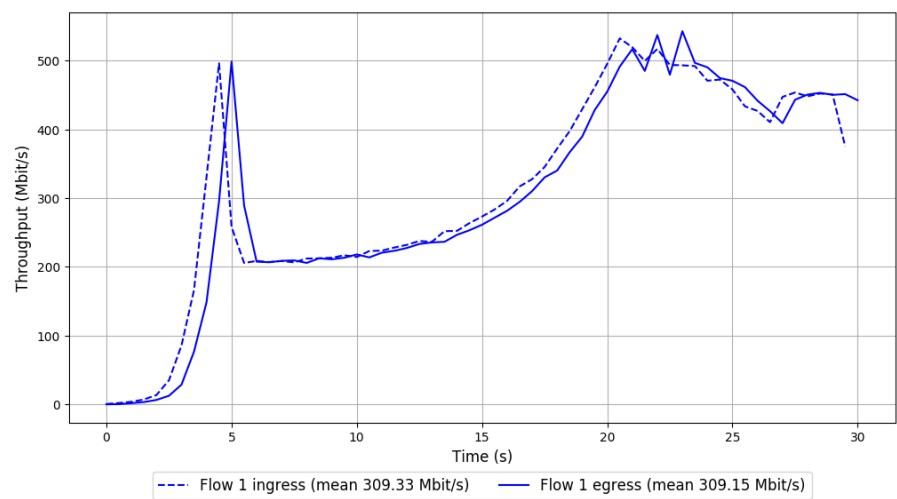
-- Flow 1:

Average throughput: 309.15 Mbit/s

95th percentile per-packet one-way delay: 112.413 ms

Loss rate: 0.05%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-08-09 23:25:17

End at: 2018-08-09 23:25:47

Local clock offset: -0.245 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-08-10 02:16:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 372.38 Mbit/s

95th percentile per-packet one-way delay: 88.333 ms

Loss rate: 0.00%

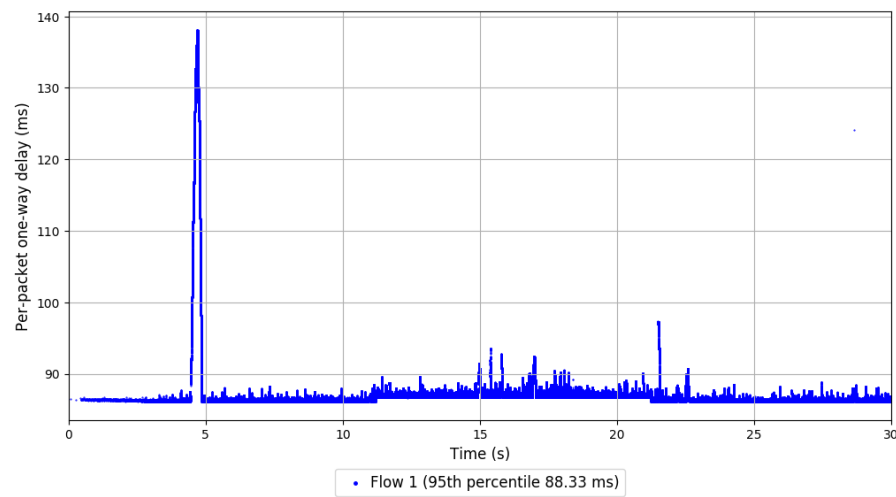
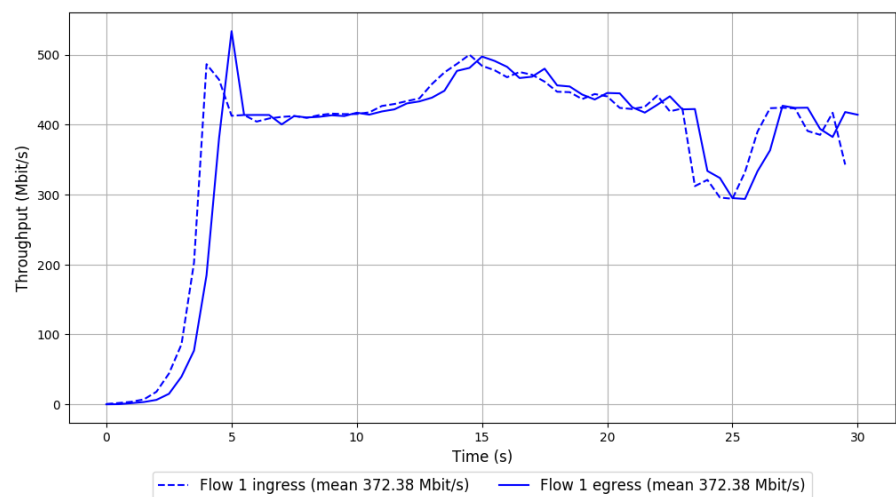
-- Flow 1:

Average throughput: 372.38 Mbit/s

95th percentile per-packet one-way delay: 88.333 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link

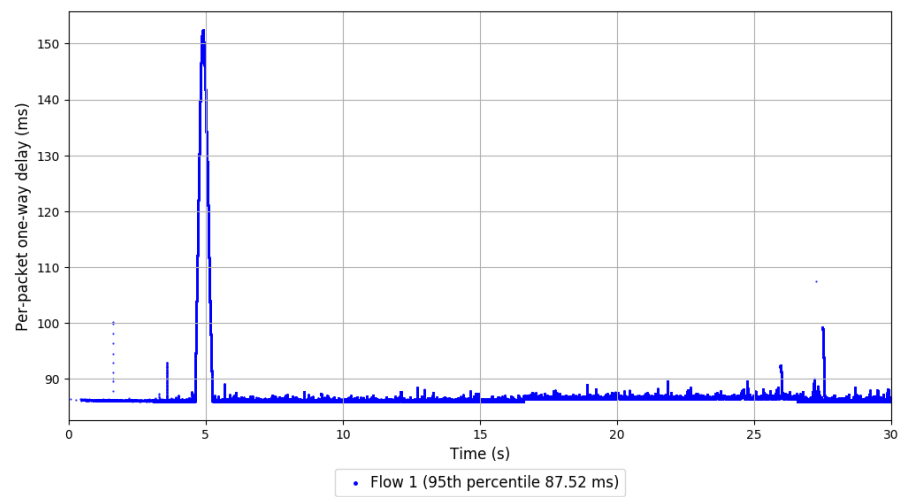
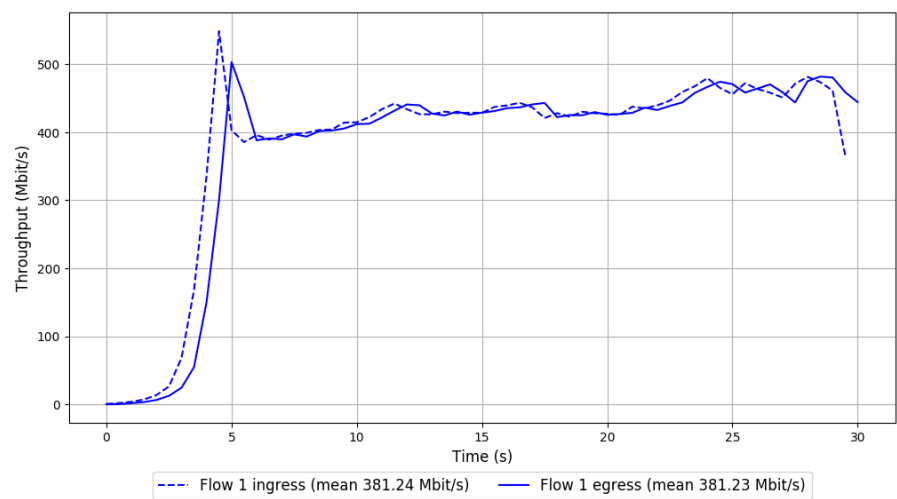


Run 10: Statistics of PCC-Vivace

Start at: 2018-08-09 23:48:21
End at: 2018-08-09 23:48:51
Local clock offset: -0.157 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-08-10 02:16:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 381.23 Mbit/s
95th percentile per-packet one-way delay: 87.515 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 381.23 Mbit/s
95th percentile per-packet one-way delay: 87.515 ms
Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

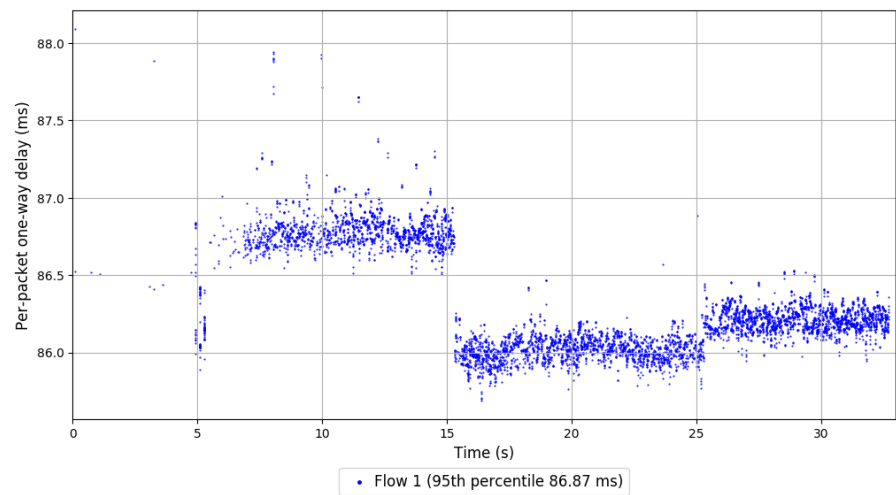
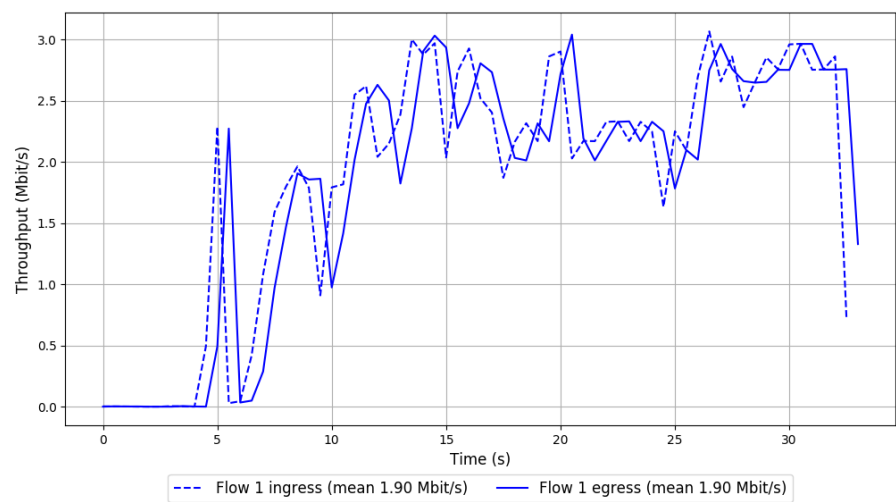


```
Run 1: Statistics of WebRTC media

Start at: 2018-08-09 20:28:05
End at: 2018-08-09 20:28:35
Local clock offset: 0.089 ms
Remote clock offset: -0.132 ms

# Below is generated by plot.py at 2018-08-10 02:16:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 86.870 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 86.870 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

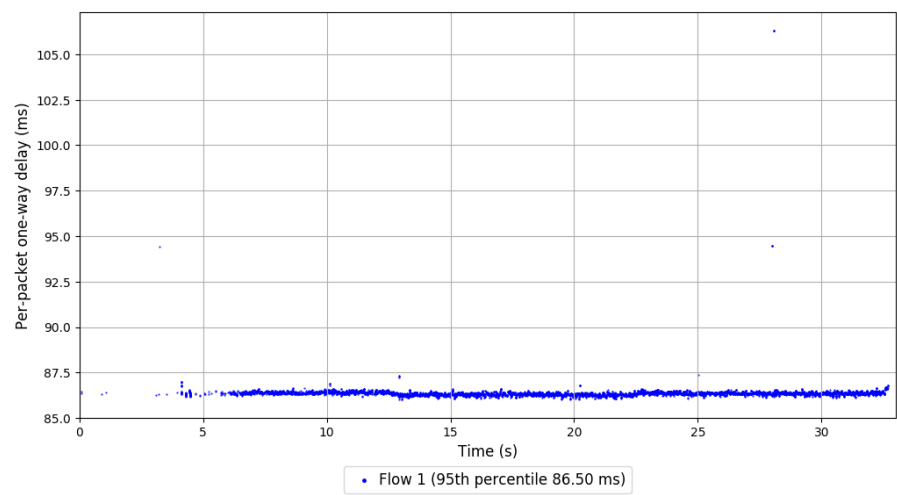
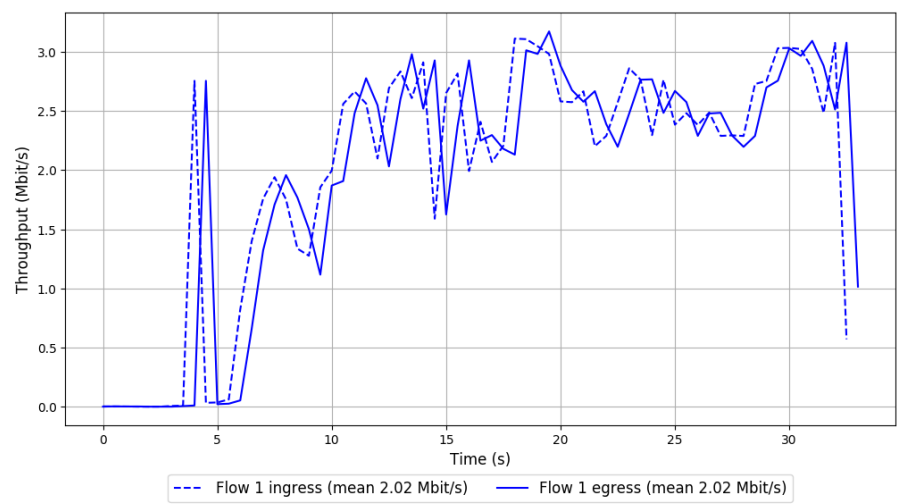


Run 2: Statistics of WebRTC media

Start at: 2018-08-09 20:51:17
End at: 2018-08-09 20:51:47
Local clock offset: 0.008 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-08-10 02:16:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 86.504 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 86.504 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

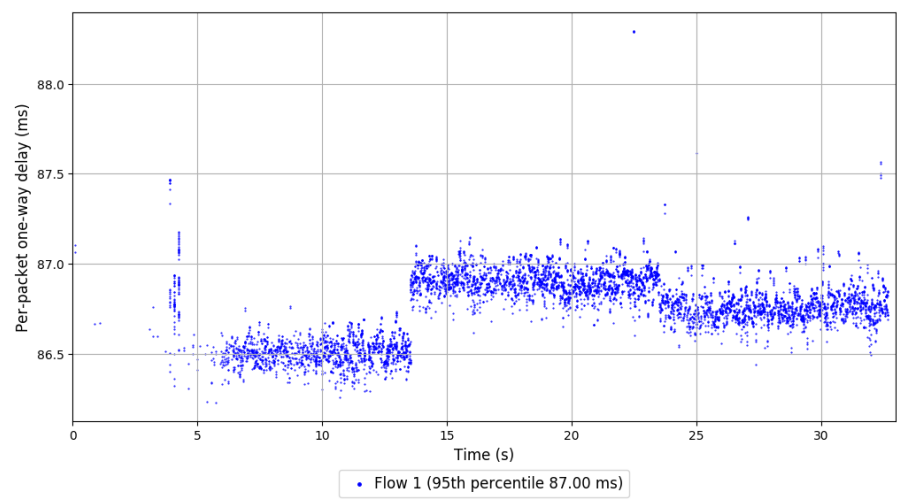
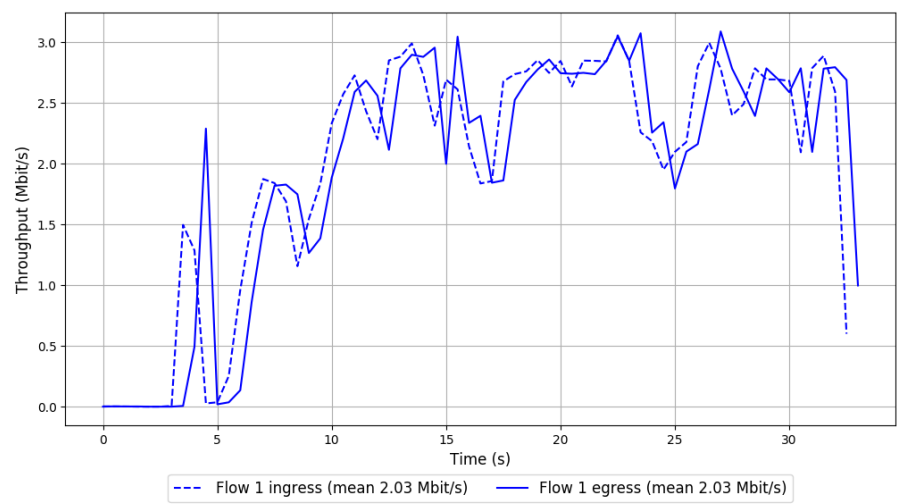


Run 3: Statistics of WebRTC media

Start at: 2018-08-09 21:14:36
End at: 2018-08-09 21:15:06
Local clock offset: -0.394 ms
Remote clock offset: -0.341 ms

Below is generated by plot.py at 2018-08-10 02:16:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 87.003 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 87.003 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

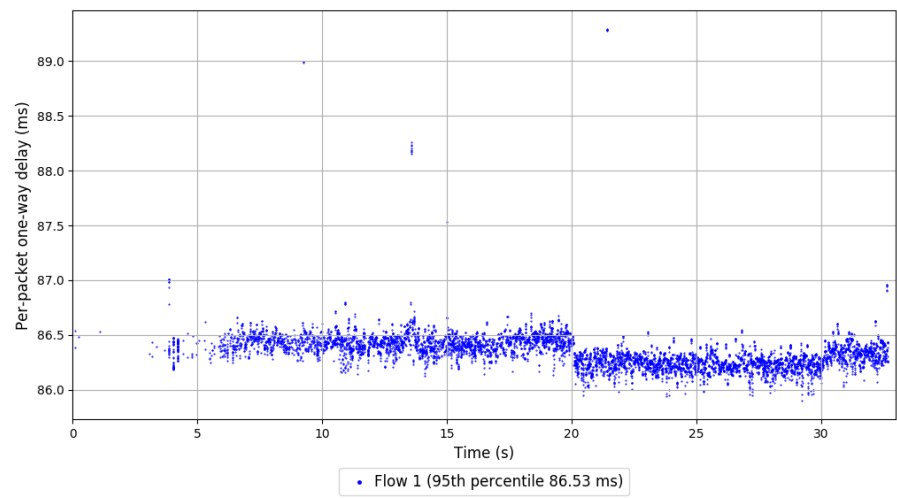
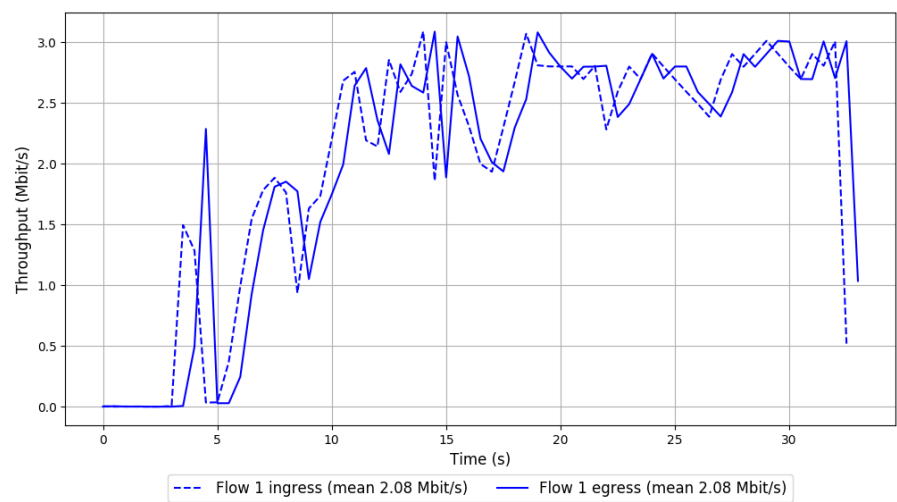


Run 4: Statistics of WebRTC media

Start at: 2018-08-09 21:37:50
End at: 2018-08-09 21:38:20
Local clock offset: -0.173 ms
Remote clock offset: -0.428 ms

Below is generated by plot.py at 2018-08-10 02:16:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 86.529 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 86.529 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

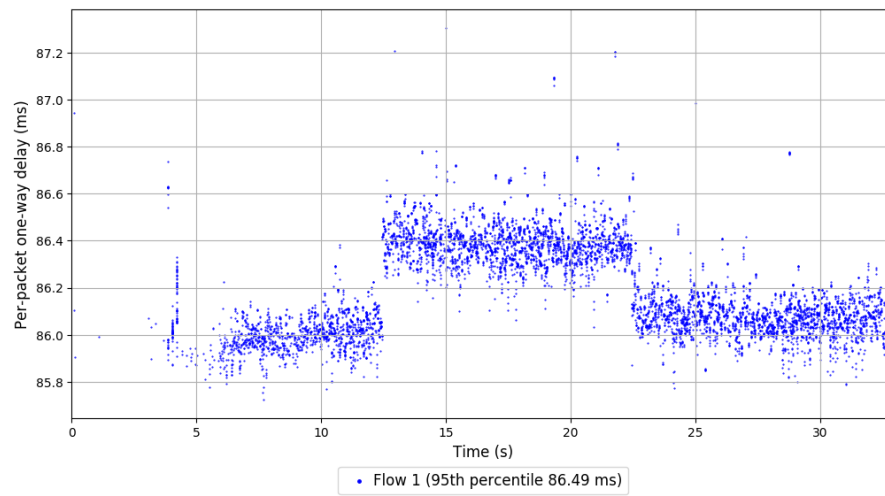
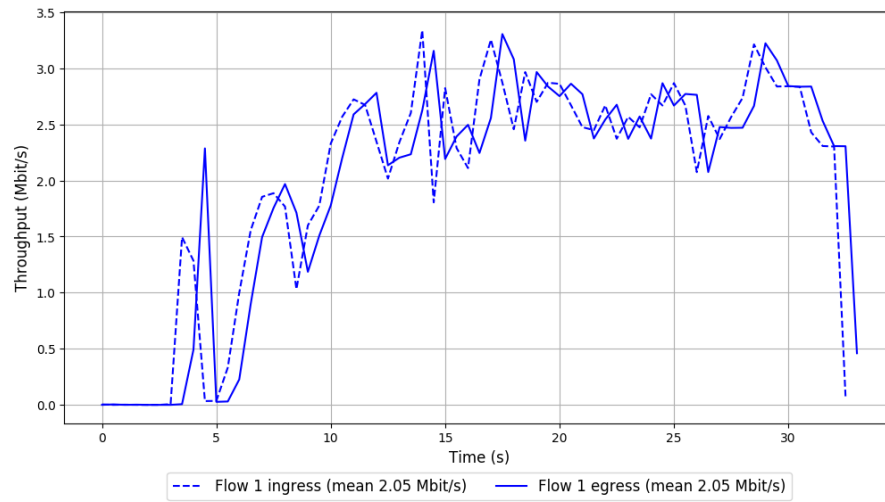


Run 5: Statistics of WebRTC media

Start at: 2018-08-09 22:01:09
End at: 2018-08-09 22:01:39
Local clock offset: 0.013 ms
Remote clock offset: -0.467 ms

Below is generated by plot.py at 2018-08-10 02:16:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 86.488 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 86.488 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-08-09 22:24:24

End at: 2018-08-09 22:24:54

Local clock offset: -0.091 ms

Remote clock offset: 0.17 ms

Below is generated by plot.py at 2018-08-10 02:16:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 86.897 ms

Loss rate: 0.00%

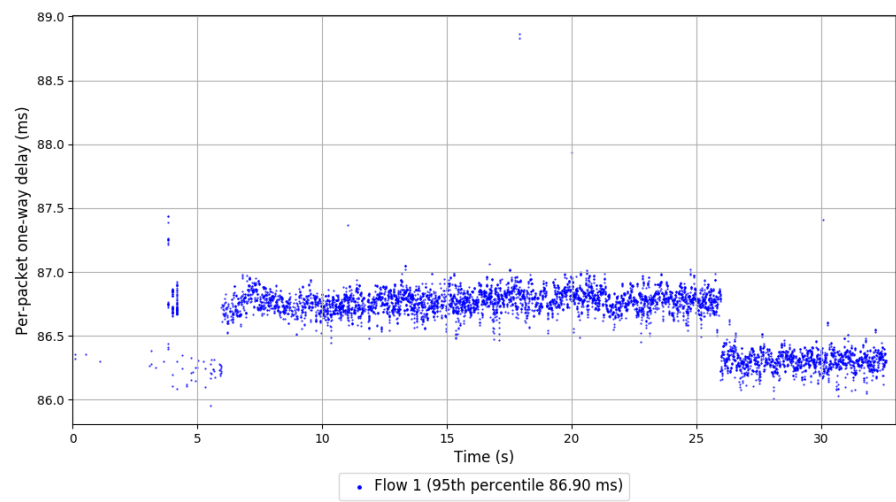
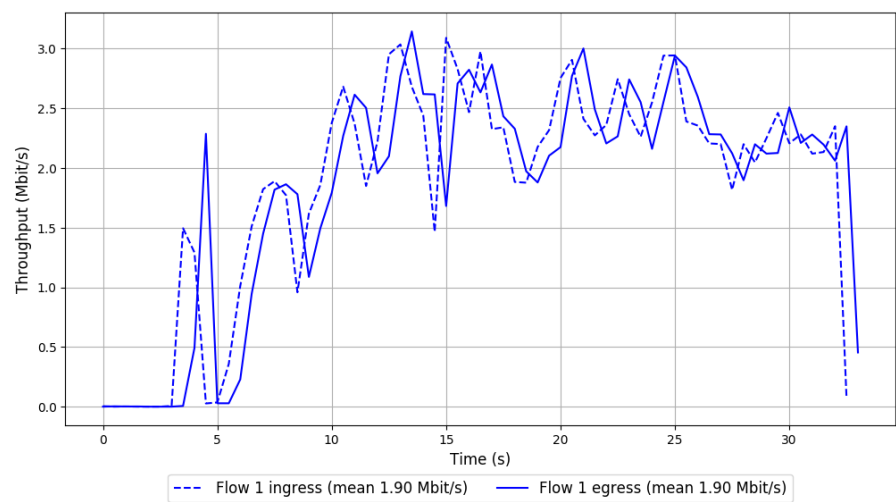
-- Flow 1:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 86.897 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

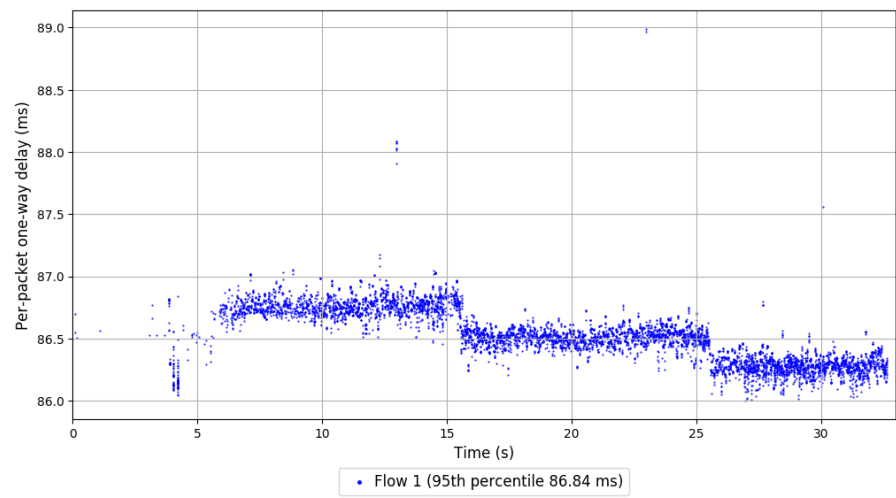
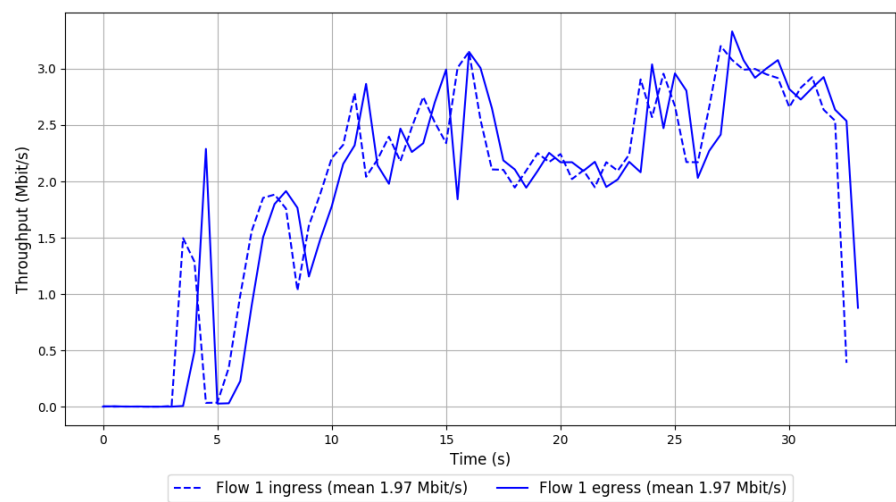


Run 7: Statistics of WebRTC media

Start at: 2018-08-09 22:47:45
End at: 2018-08-09 22:48:15
Local clock offset: -0.3 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-08-10 02:16:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 86.840 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 86.840 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

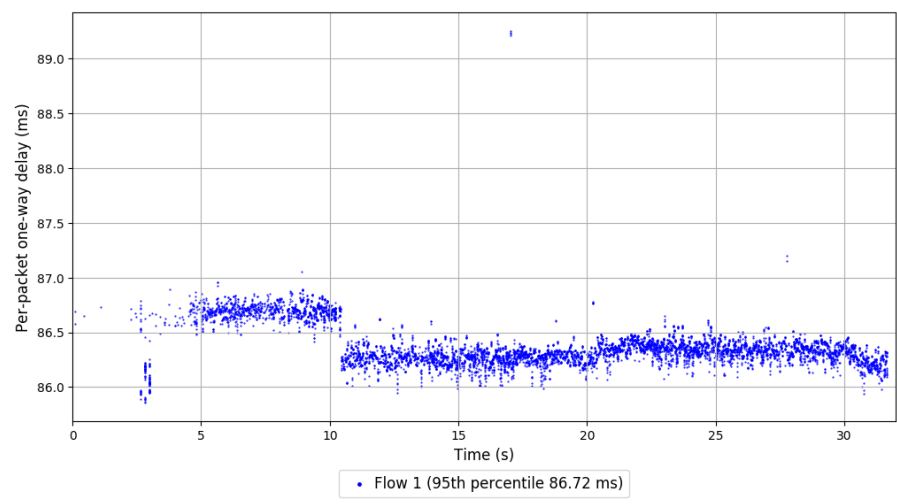
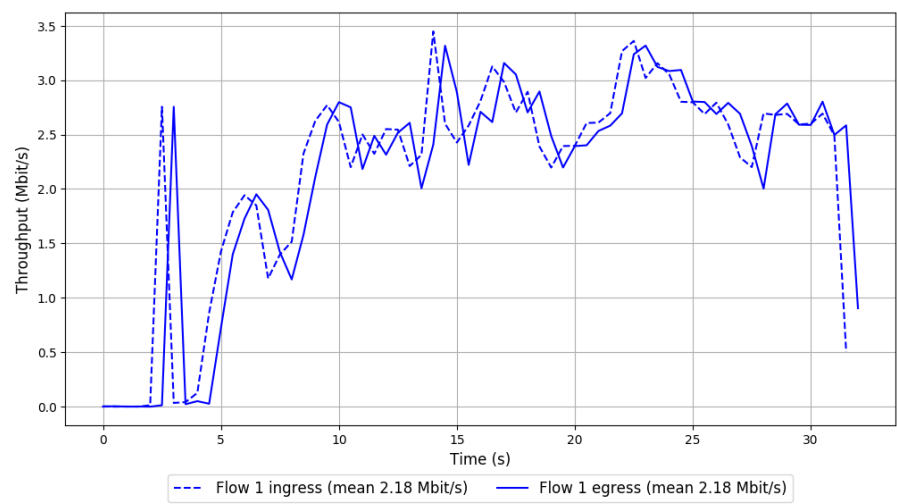


Run 8: Statistics of WebRTC media

Start at: 2018-08-09 23:10:50
End at: 2018-08-09 23:11:20
Local clock offset: -0.104 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-08-10 02:16:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 86.723 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 86.723 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-08-09 23:33:57

End at: 2018-08-09 23:34:27

Local clock offset: -0.172 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-08-10 02:16:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 86.565 ms

Loss rate: 0.00%

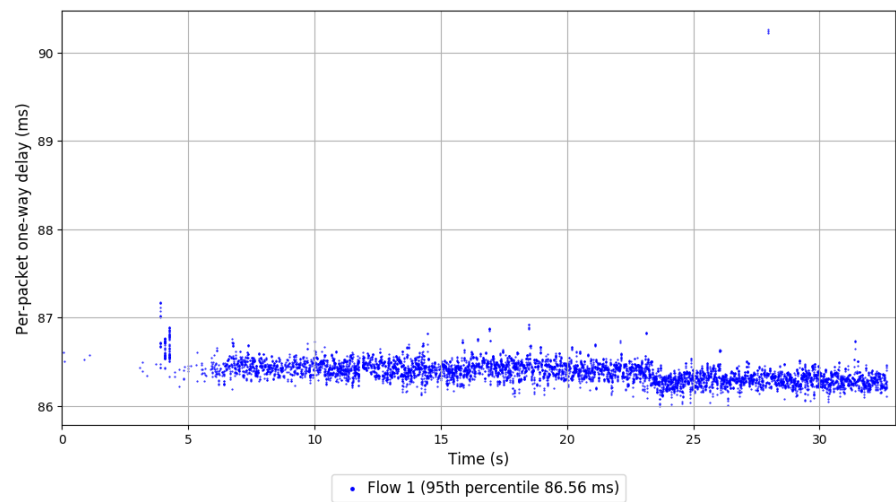
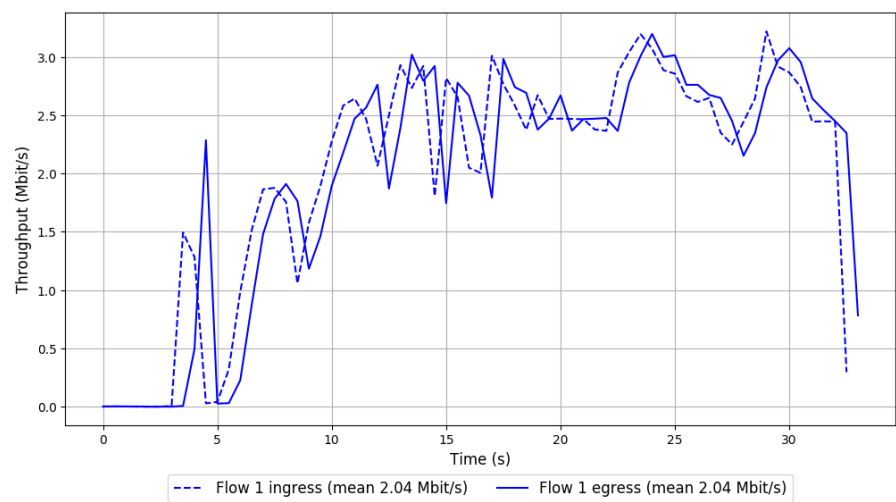
-- Flow 1:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 86.565 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-09 23:57:00
End at: 2018-08-09 23:57:30
Local clock offset: -0.257 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-08-10 02:16:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 86.902 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 86.902 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

