

Pantheon Report

Generated at 2018-08-28 02:29:26 (UTC).

Data path: GCE Sydney ens4 (*local*) → GCE Iowa ens4 (*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.

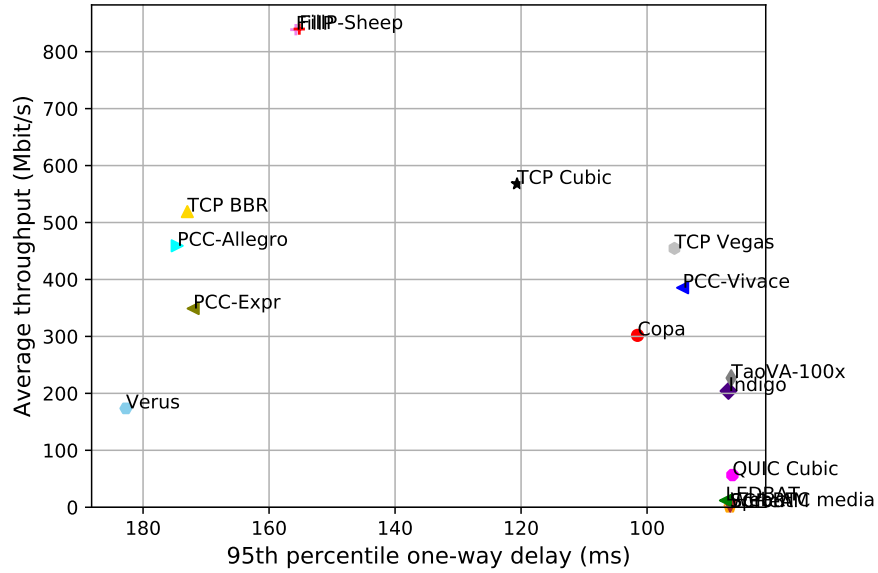
System info:

```
Linux 4.15.0-1015-gcp
net.core.default_qdisc = fq
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
```

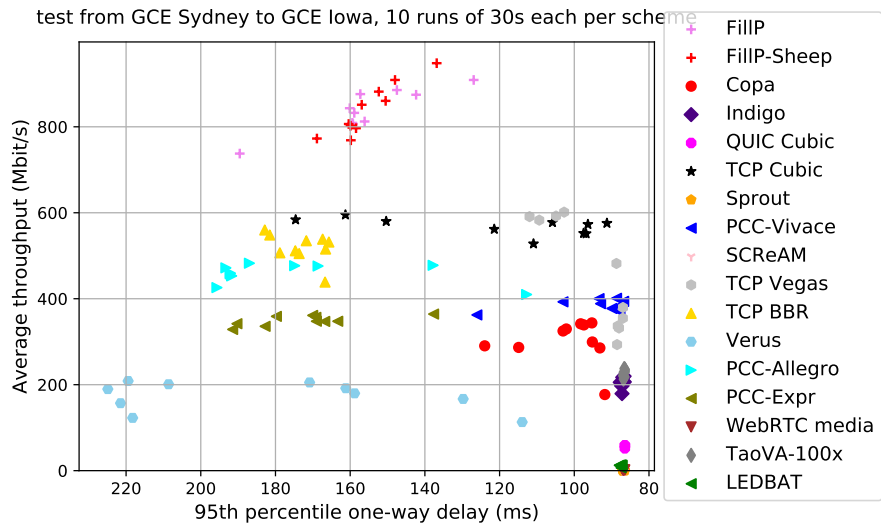
Git summary:

```
branch: master @ 8f31687904b612ba36b45467ab20eda73108da68
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 @ 5386469677b75a7fdc5fe25d8daccce7950d8a69
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)



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



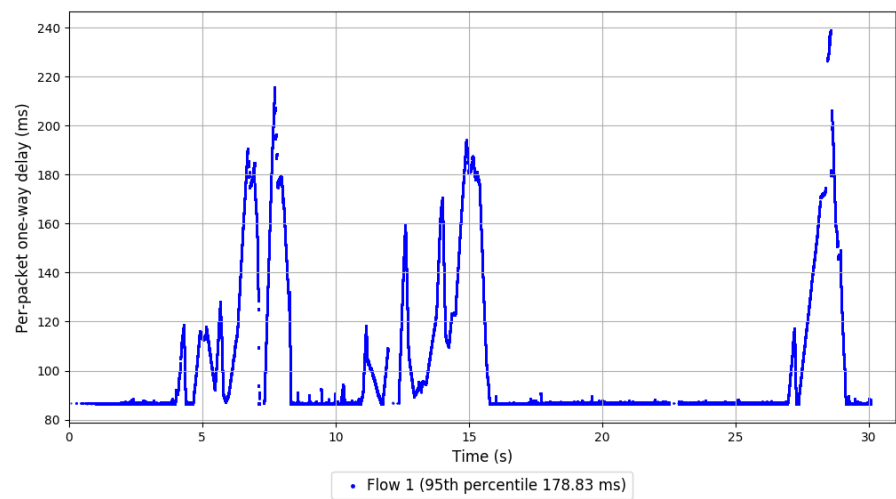
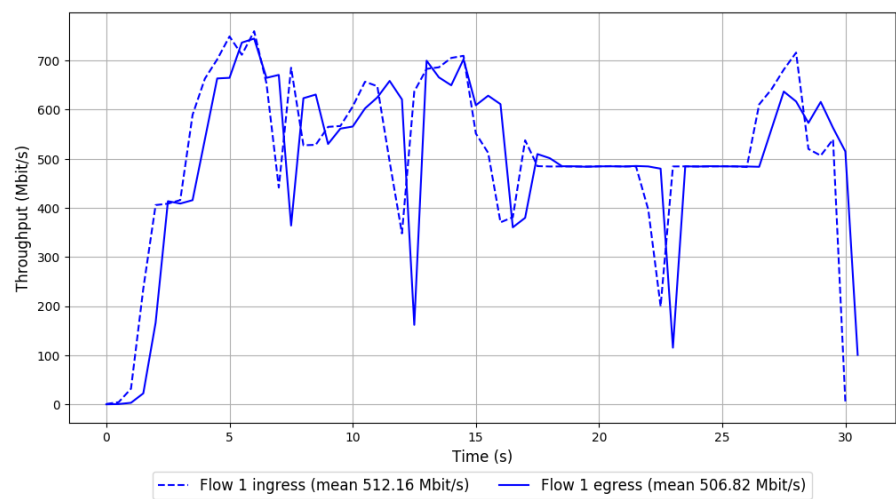
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	519.15	172.97	0.59
Copa	10	301.81	101.52	0.01
TCP Cubic	10	567.83	120.64	0.07
FillP	10	838.60	155.75	3.45
FillP-Sheep	10	839.73	155.20	3.54
Indigo	10	204.14	87.08	0.00
LEDBAT	10	11.91	87.56	0.00
PCC-Allegro	10	459.12	174.58	1.23
PCC-Expr	10	348.96	172.05	1.64
QUIC Cubic	3	56.52	86.45	0.00
SCReAM	10	0.22	86.79	0.00
Sprout	10	0.29	86.86	0.00
TaoVA-100x	10	226.90	86.65	0.00
TCP Vegas	10	454.54	95.66	0.01
Verus	10	173.60	182.72	2.40
PCC-Vivace	10	385.43	94.36	0.00
WebRTC media	10	1.92	86.81	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-08-27 19:34:29
End at: 2018-08-27 19:34:59
Local clock offset: -0.106 ms
Remote clock offset: -0.216 ms

Below is generated by plot.py at 2018-08-27 23:56:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 506.82 Mbit/s
95th percentile per-packet one-way delay: 178.829 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 506.82 Mbit/s
95th percentile per-packet one-way delay: 178.829 ms
Loss rate: 1.04%

Run 1: Report of TCP BBR — Data Link

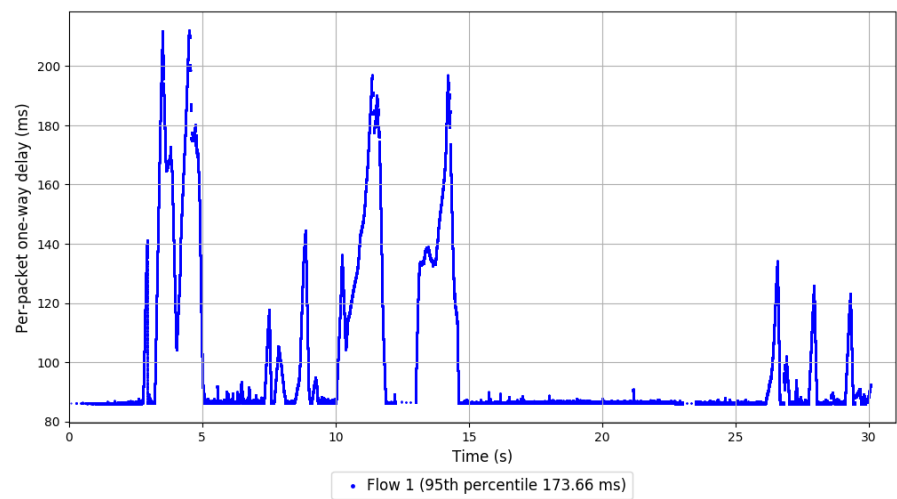
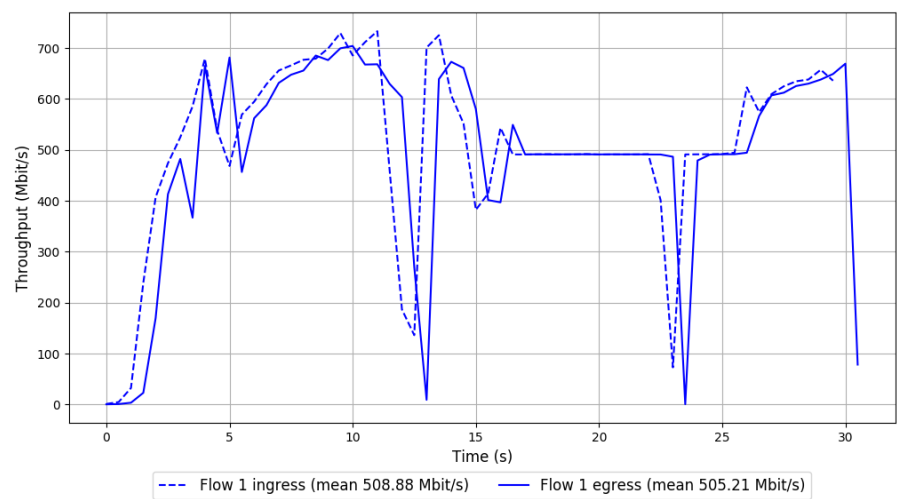


Run 2: Statistics of TCP BBR

Start at: 2018-08-27 19:58:55
End at: 2018-08-27 19:59:25
Local clock offset: 0.133 ms
Remote clock offset: -0.279 ms

Below is generated by plot.py at 2018-08-27 23:56:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 505.21 Mbit/s
95th percentile per-packet one-way delay: 173.661 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 505.21 Mbit/s
95th percentile per-packet one-way delay: 173.661 ms
Loss rate: 0.72%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-08-27 20:23:08

End at: 2018-08-27 20:23:38

Local clock offset: 0.083 ms

Remote clock offset: -0.289 ms

Below is generated by plot.py at 2018-08-27 23:56:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 511.59 Mbit/s

95th percentile per-packet one-way delay: 174.684 ms

Loss rate: 0.57%

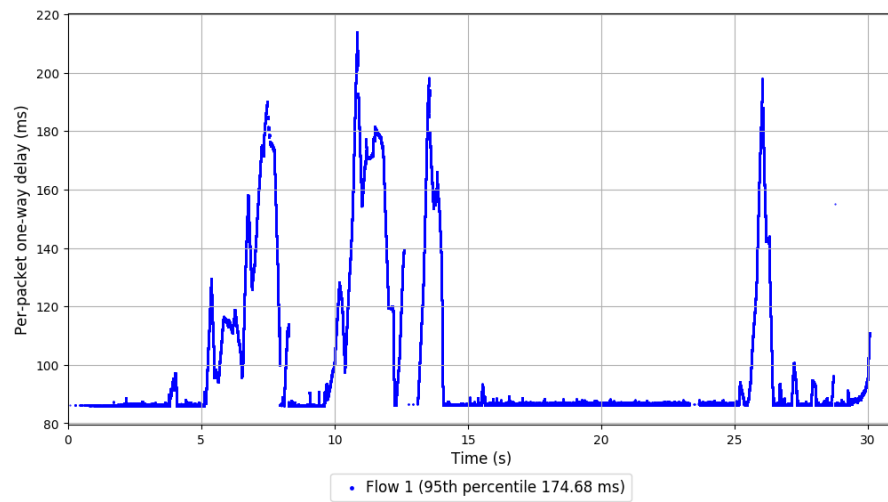
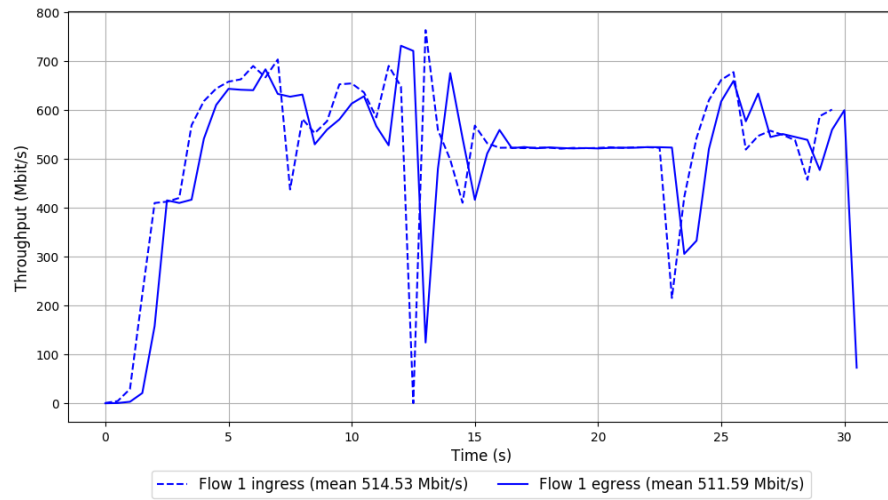
-- Flow 1:

Average throughput: 511.59 Mbit/s

95th percentile per-packet one-way delay: 174.684 ms

Loss rate: 0.57%

Run 3: Report of TCP BBR — Data Link

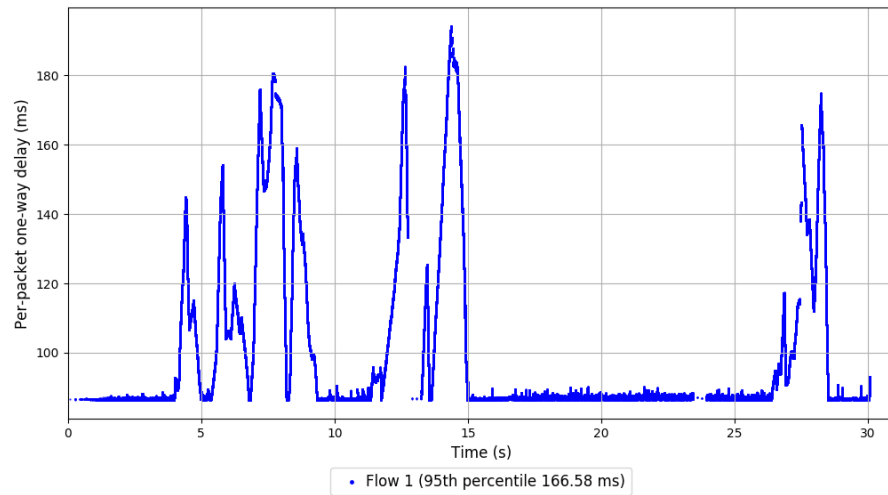
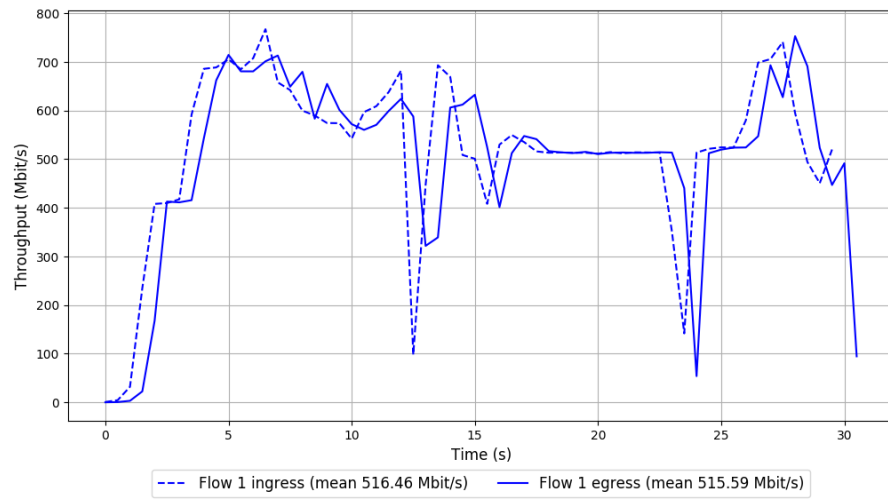


Run 4: Statistics of TCP BBR

Start at: 2018-08-27 20:47:10
End at: 2018-08-27 20:47:40
Local clock offset: -0.087 ms
Remote clock offset: -0.323 ms

Below is generated by plot.py at 2018-08-27 23:56:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 515.59 Mbit/s
95th percentile per-packet one-way delay: 166.578 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 515.59 Mbit/s
95th percentile per-packet one-way delay: 166.578 ms
Loss rate: 0.17%

Run 4: Report of TCP BBR — Data Link

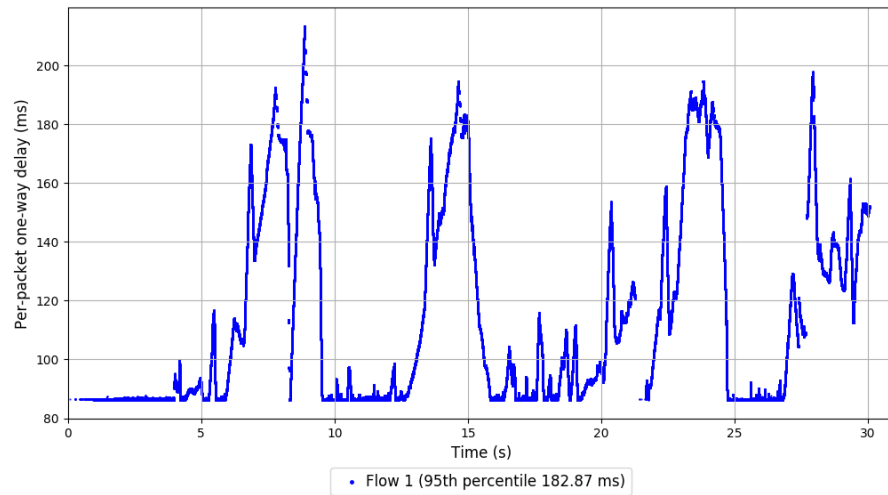
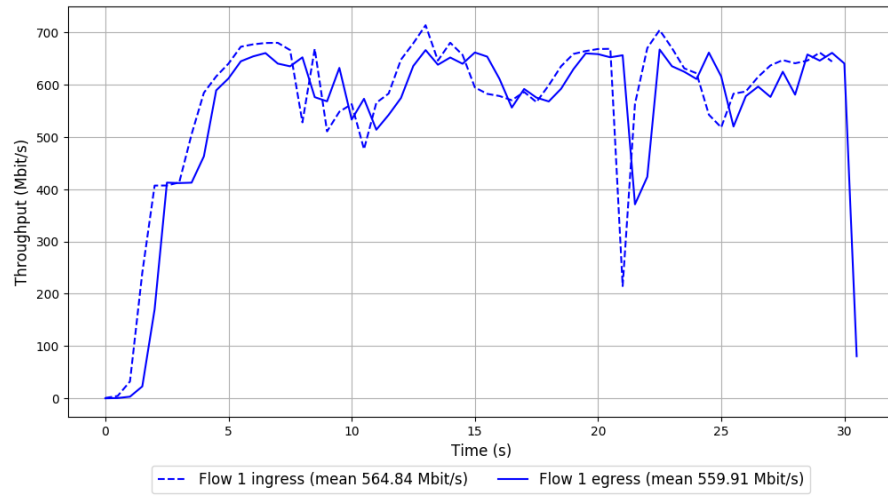


Run 5: Statistics of TCP BBR

Start at: 2018-08-27 21:11:37
End at: 2018-08-27 21:12:07
Local clock offset: 0.066 ms
Remote clock offset: -0.397 ms

Below is generated by plot.py at 2018-08-27 23:56:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 559.91 Mbit/s
95th percentile per-packet one-way delay: 182.873 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 559.91 Mbit/s
95th percentile per-packet one-way delay: 182.873 ms
Loss rate: 0.87%

Run 5: Report of TCP BBR — Data Link

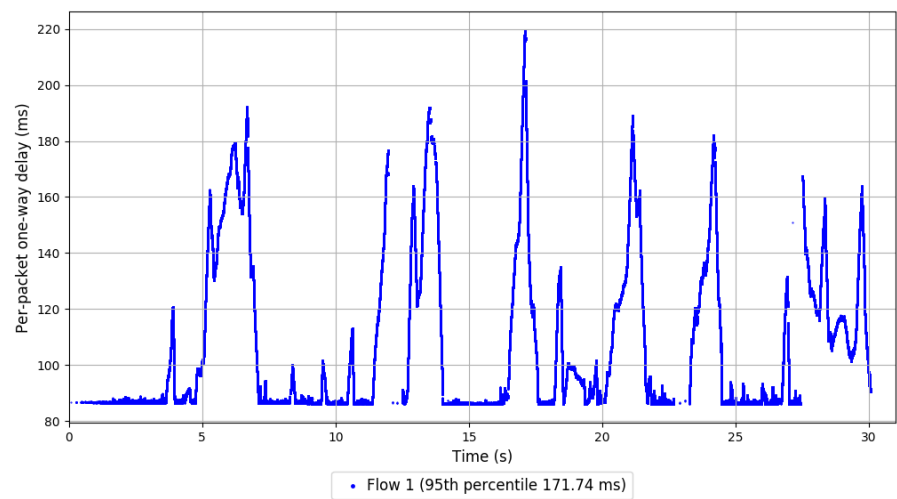
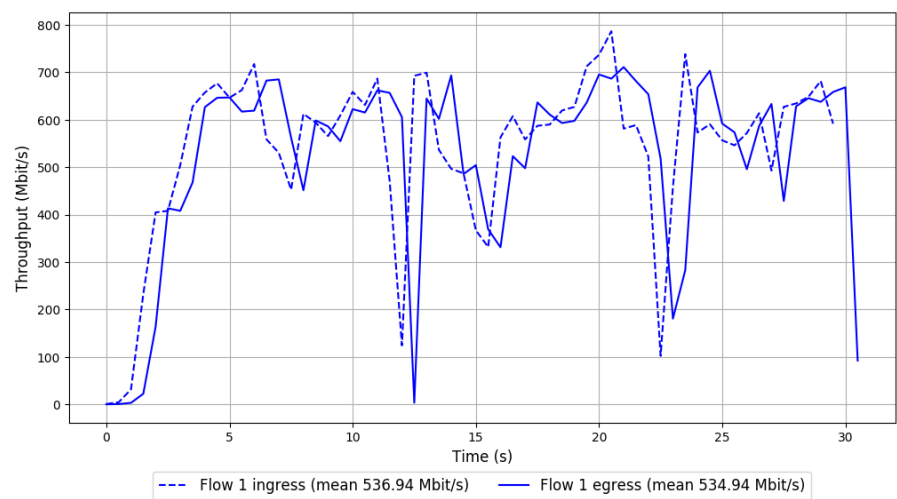


Run 6: Statistics of TCP BBR

Start at: 2018-08-27 21:35:59
End at: 2018-08-27 21:36:29
Local clock offset: 0.147 ms
Remote clock offset: -0.385 ms

Below is generated by plot.py at 2018-08-27 23:56:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 534.94 Mbit/s
95th percentile per-packet one-way delay: 171.743 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 534.94 Mbit/s
95th percentile per-packet one-way delay: 171.743 ms
Loss rate: 0.37%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-08-27 22:00:23

End at: 2018-08-27 22:00:53

Local clock offset: -0.104 ms

Remote clock offset: -0.26 ms

Below is generated by plot.py at 2018-08-27 23:56:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 438.73 Mbit/s

95th percentile per-packet one-way delay: 166.725 ms

Loss rate: 0.62%

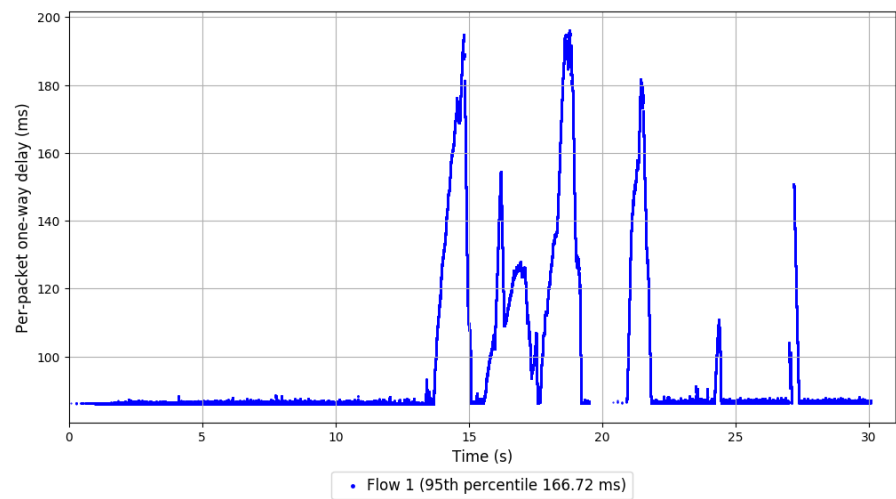
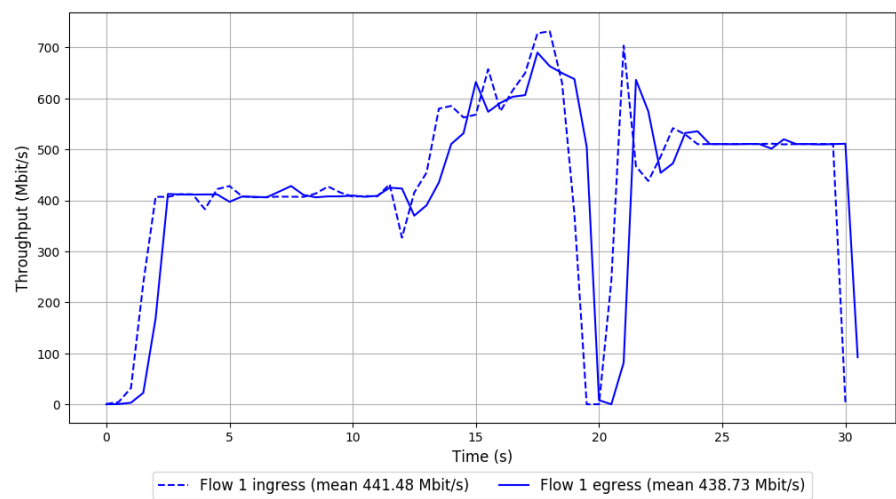
-- Flow 1:

Average throughput: 438.73 Mbit/s

95th percentile per-packet one-way delay: 166.725 ms

Loss rate: 0.62%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-08-27 22:24:46

End at: 2018-08-27 22:25:16

Local clock offset: -0.089 ms

Remote clock offset: 0.06 ms

Below is generated by plot.py at 2018-08-27 23:56:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 538.55 Mbit/s

95th percentile per-packet one-way delay: 167.374 ms

Loss rate: 0.26%

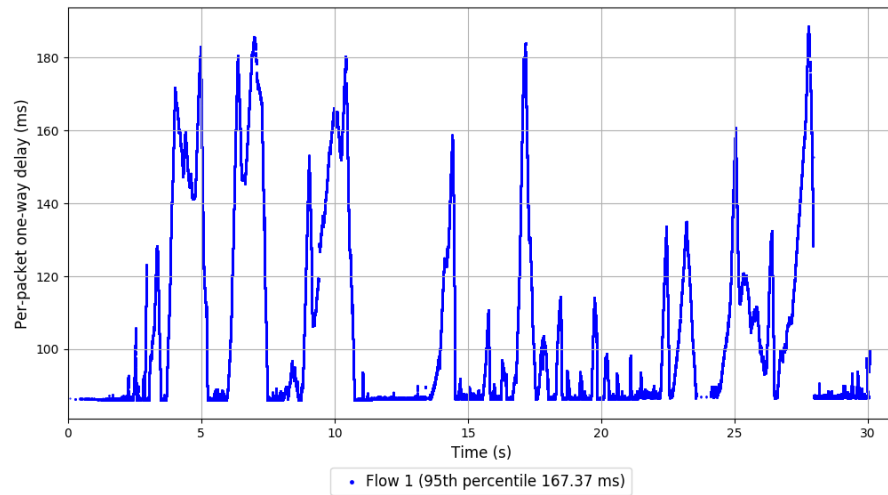
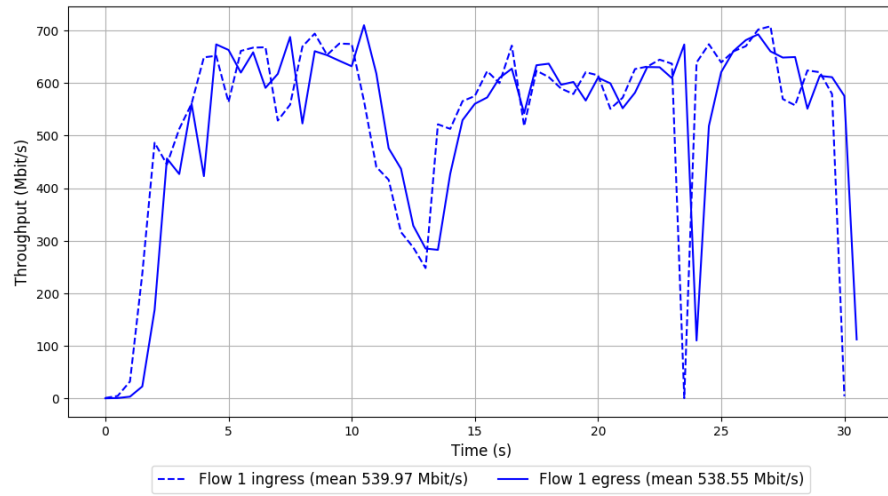
-- Flow 1:

Average throughput: 538.55 Mbit/s

95th percentile per-packet one-way delay: 167.374 ms

Loss rate: 0.26%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-08-27 22:49:23

End at: 2018-08-27 22:49:53

Local clock offset: -0.052 ms

Remote clock offset: 0.19 ms

Below is generated by plot.py at 2018-08-28 00:05:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 548.26 Mbit/s

95th percentile per-packet one-way delay: 181.527 ms

Loss rate: 0.83%

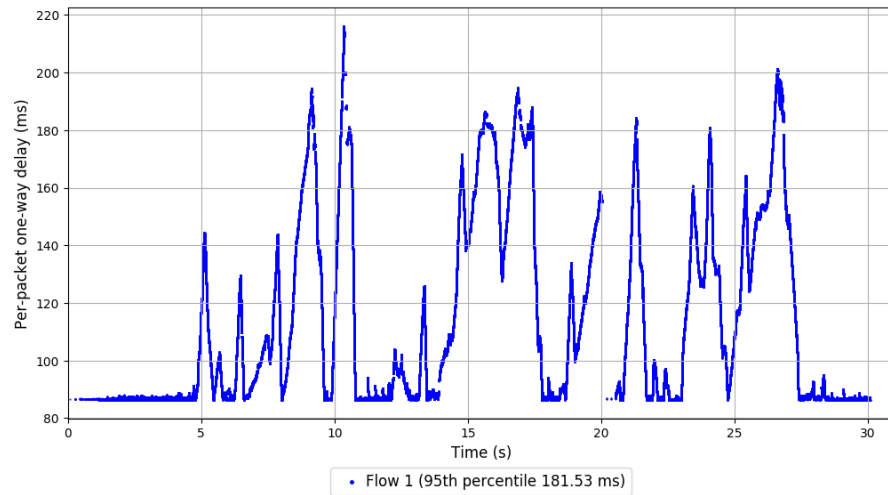
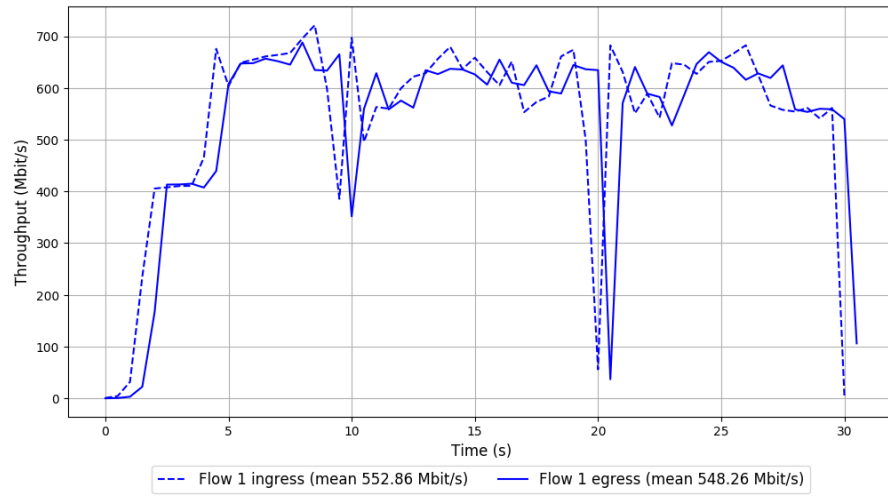
-- Flow 1:

Average throughput: 548.26 Mbit/s

95th percentile per-packet one-way delay: 181.527 ms

Loss rate: 0.83%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-08-27 23:13:38

End at: 2018-08-27 23:14:08

Local clock offset: -0.141 ms

Remote clock offset: 0.067 ms

Below is generated by plot.py at 2018-08-28 00:05:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 531.90 Mbit/s

95th percentile per-packet one-way delay: 165.707 ms

Loss rate: 0.42%

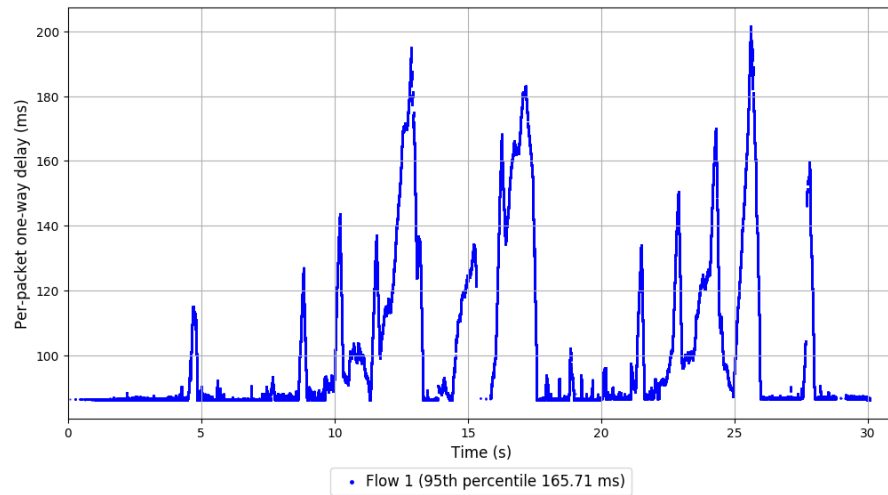
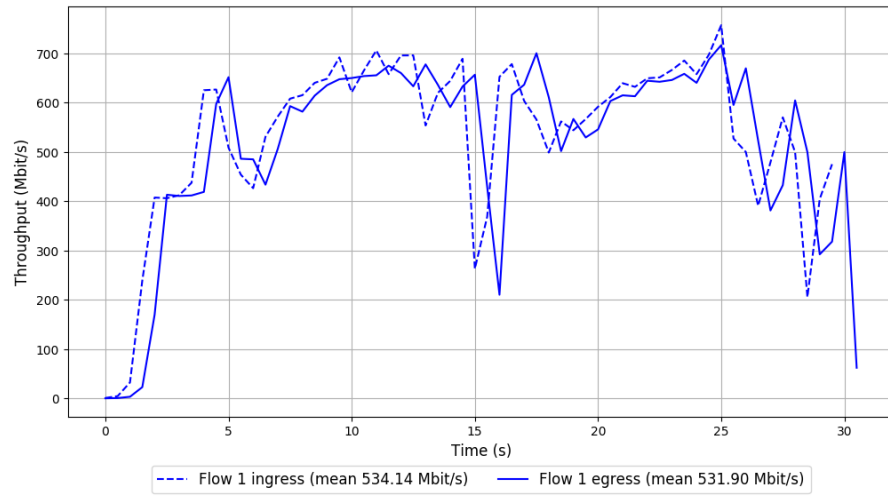
-- Flow 1:

Average throughput: 531.90 Mbit/s

95th percentile per-packet one-way delay: 165.707 ms

Loss rate: 0.42%

Run 10: Report of TCP BBR — Data Link

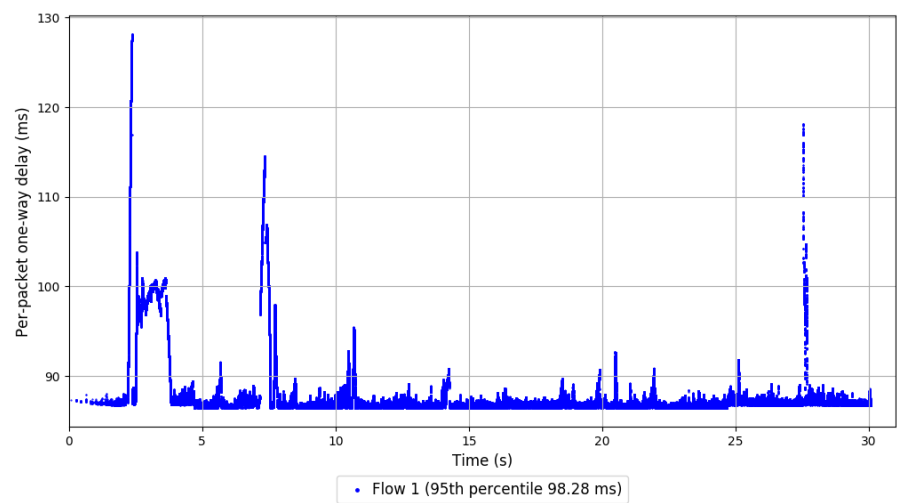
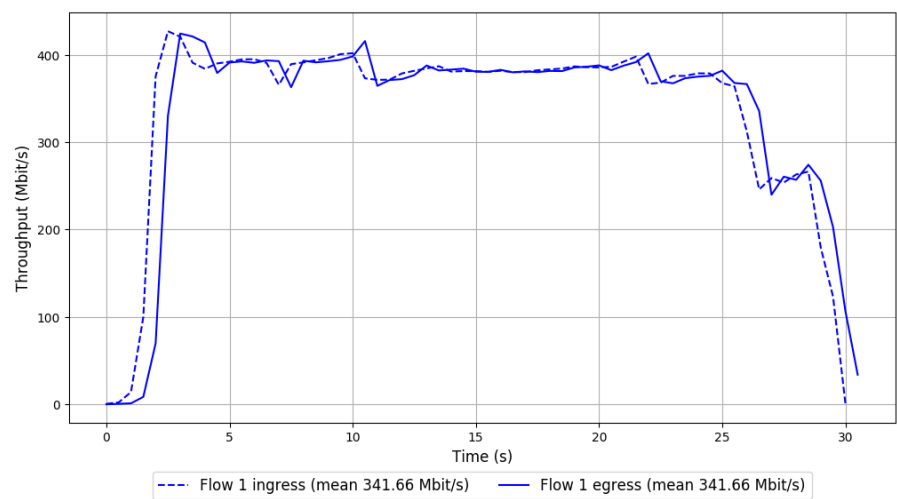


Run 1: Statistics of Copa

Start at: 2018-08-27 19:40:13
End at: 2018-08-27 19:40:43
Local clock offset: -0.274 ms
Remote clock offset: -0.269 ms

Below is generated by plot.py at 2018-08-28 00:06:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 341.66 Mbit/s
95th percentile per-packet one-way delay: 98.282 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 341.66 Mbit/s
95th percentile per-packet one-way delay: 98.282 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

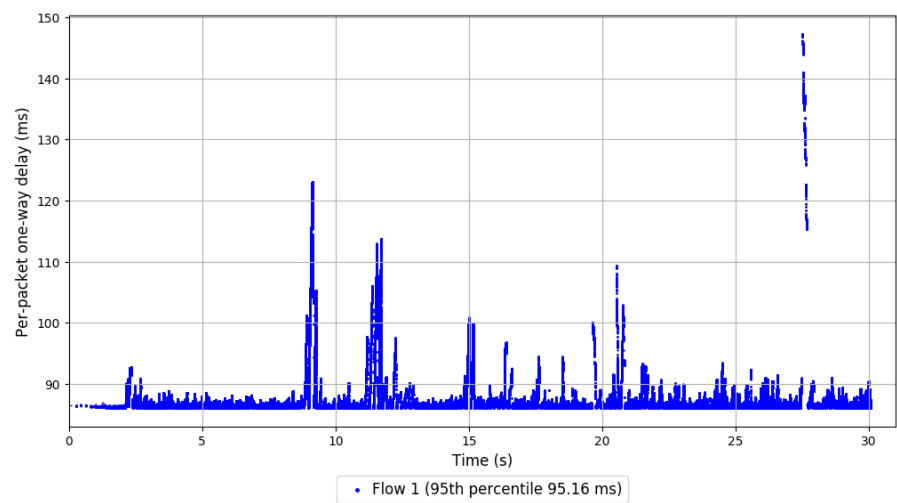
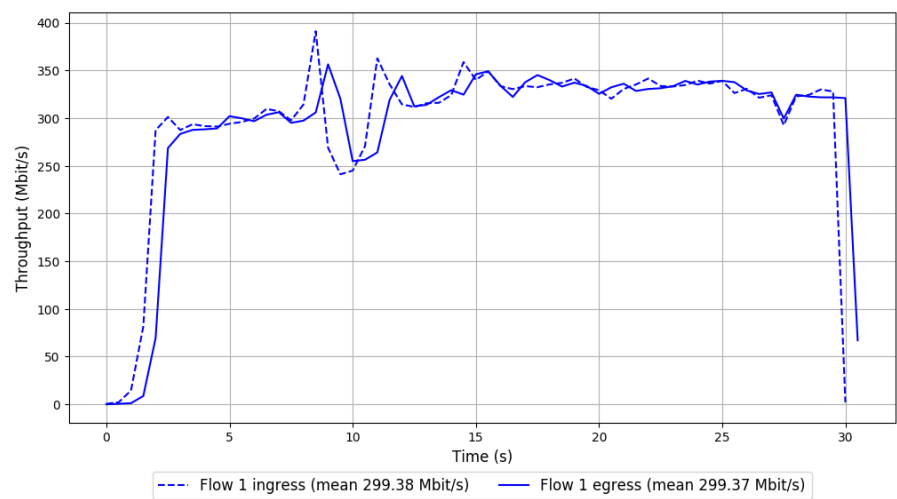


Run 2: Statistics of Copa

Start at: 2018-08-27 20:04:37
End at: 2018-08-27 20:05:07
Local clock offset: -0.047 ms
Remote clock offset: -0.272 ms

Below is generated by plot.py at 2018-08-28 00:06:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 299.37 Mbit/s
95th percentile per-packet one-way delay: 95.161 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 299.37 Mbit/s
95th percentile per-packet one-way delay: 95.161 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

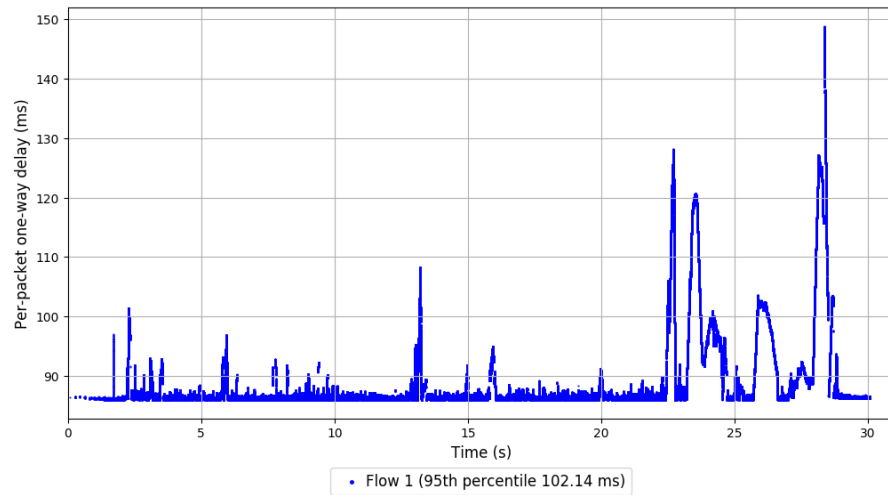
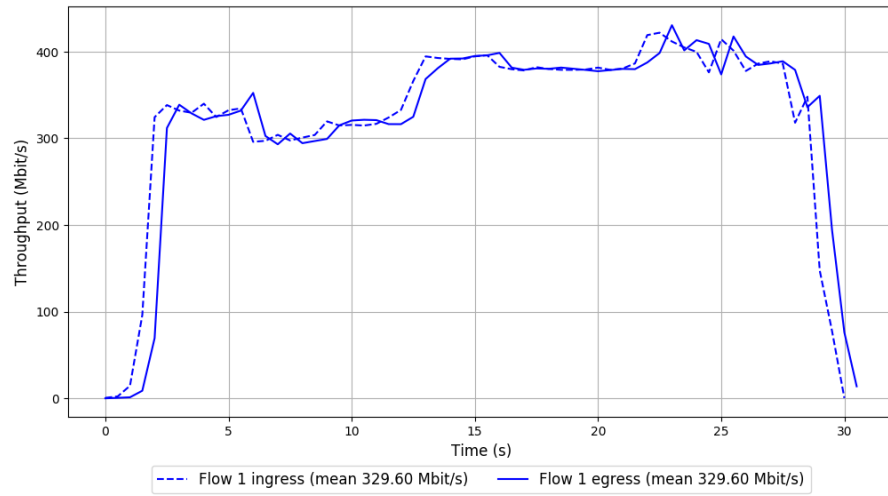


Run 3: Statistics of Copa

Start at: 2018-08-27 20:28:51
End at: 2018-08-27 20:29:21
Local clock offset: -0.017 ms
Remote clock offset: -0.317 ms

Below is generated by plot.py at 2018-08-28 00:06:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 329.60 Mbit/s
95th percentile per-packet one-way delay: 102.140 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 329.60 Mbit/s
95th percentile per-packet one-way delay: 102.140 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

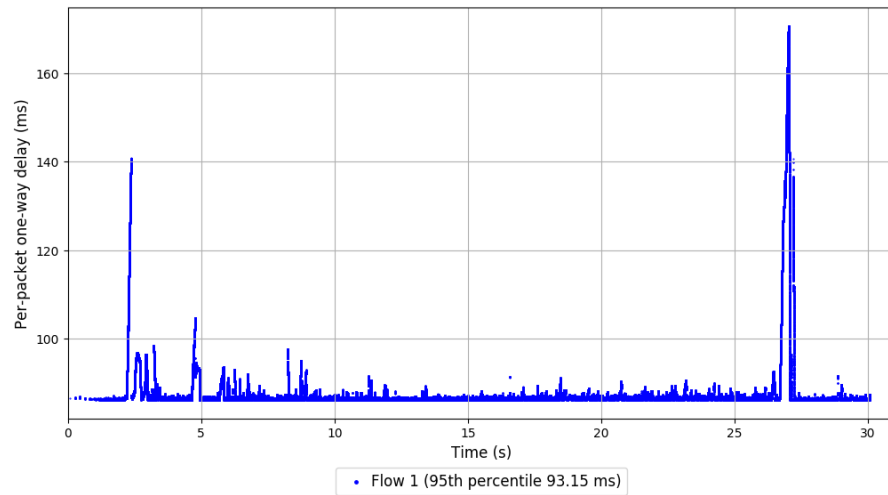
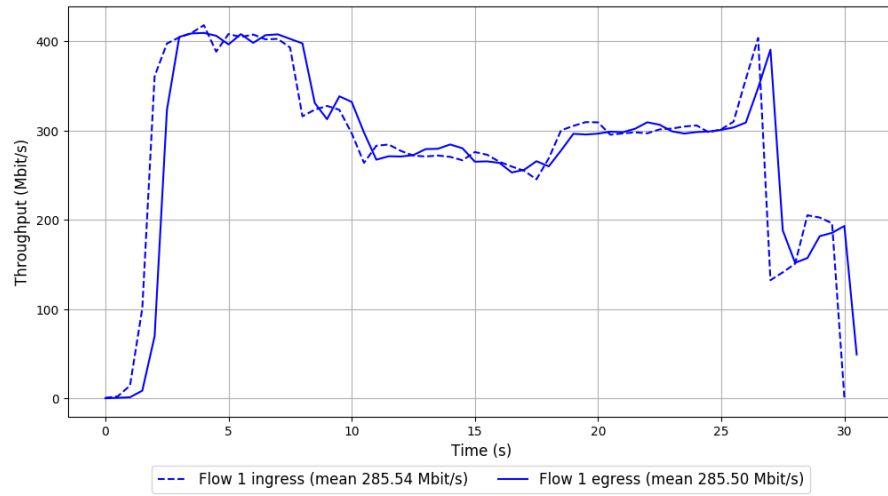


Run 4: Statistics of Copa

Start at: 2018-08-27 20:52:52
End at: 2018-08-27 20:53:22
Local clock offset: 0.151 ms
Remote clock offset: -0.332 ms

Below is generated by plot.py at 2018-08-28 00:06:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 285.50 Mbit/s
95th percentile per-packet one-way delay: 93.147 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 285.50 Mbit/s
95th percentile per-packet one-way delay: 93.147 ms
Loss rate: 0.01%

Run 4: Report of Copa — Data Link

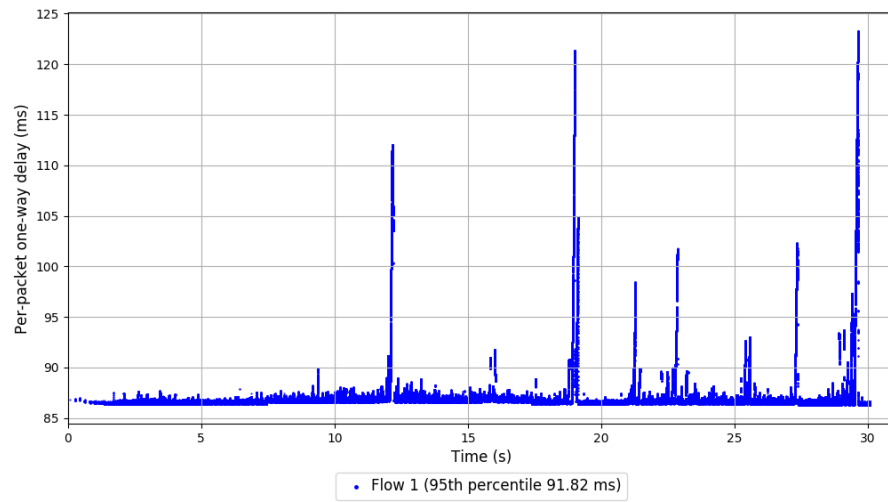
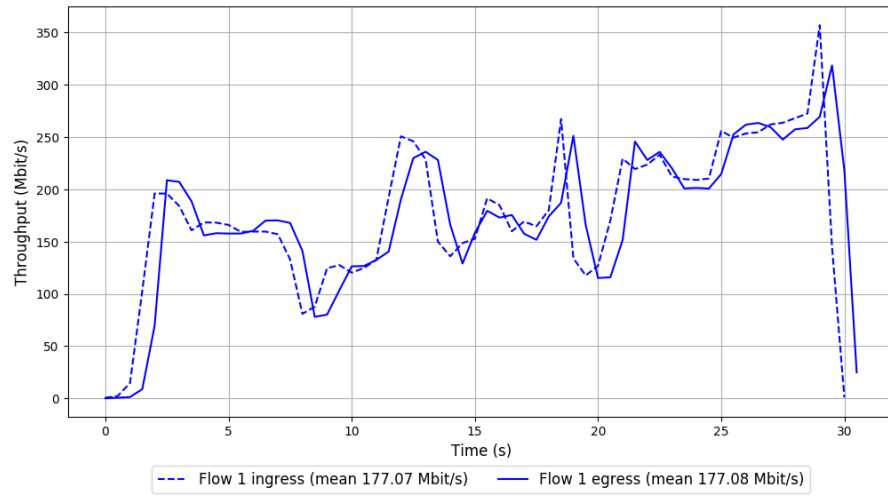


Run 5: Statistics of Copa

Start at: 2018-08-27 21:17:20
End at: 2018-08-27 21:17:50
Local clock offset: -0.045 ms
Remote clock offset: -0.387 ms

Below is generated by plot.py at 2018-08-28 00:06:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 177.08 Mbit/s
95th percentile per-packet one-way delay: 91.822 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 177.08 Mbit/s
95th percentile per-packet one-way delay: 91.822 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

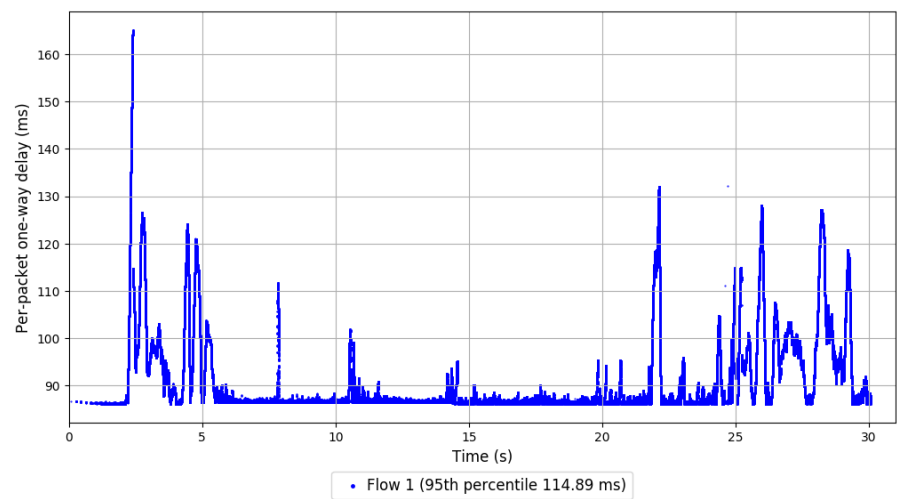
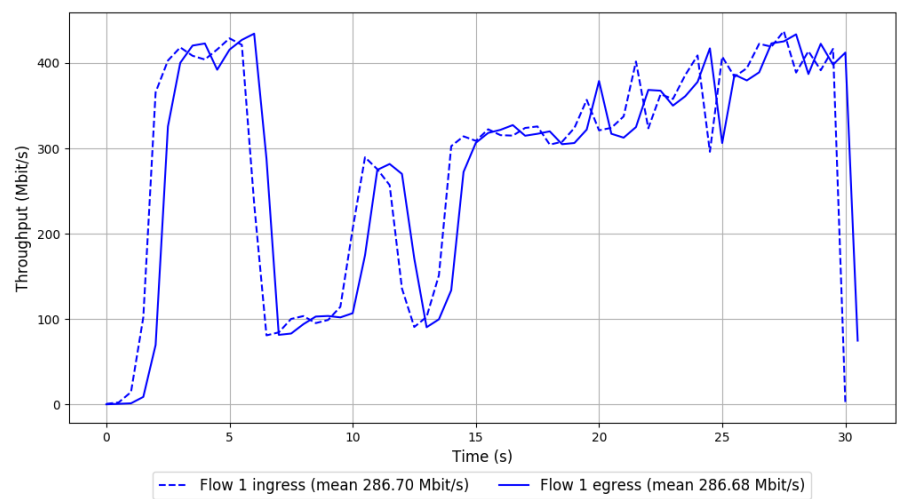


Run 6: Statistics of Copa

Start at: 2018-08-27 21:41:43
End at: 2018-08-27 21:42:13
Local clock offset: 0.171 ms
Remote clock offset: -0.457 ms

Below is generated by plot.py at 2018-08-28 00:06:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 286.68 Mbit/s
95th percentile per-packet one-way delay: 114.888 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 286.68 Mbit/s
95th percentile per-packet one-way delay: 114.888 ms
Loss rate: 0.01%

Run 6: Report of Copa — Data Link

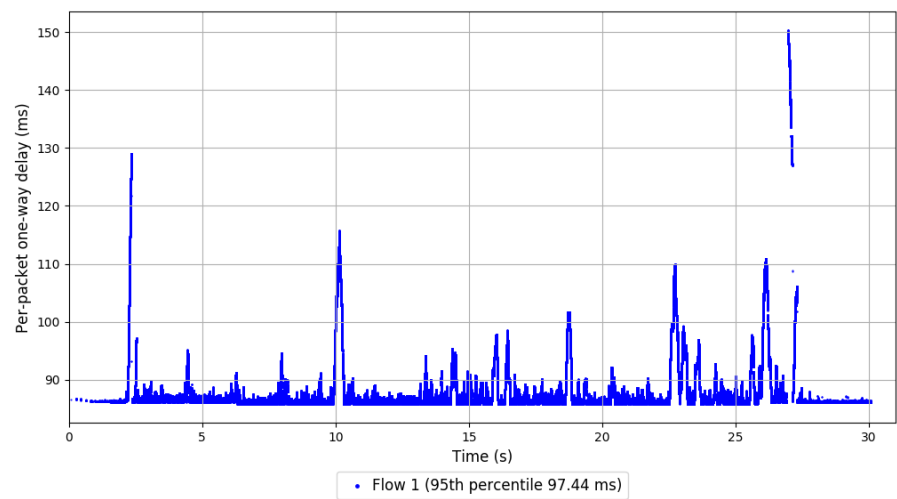
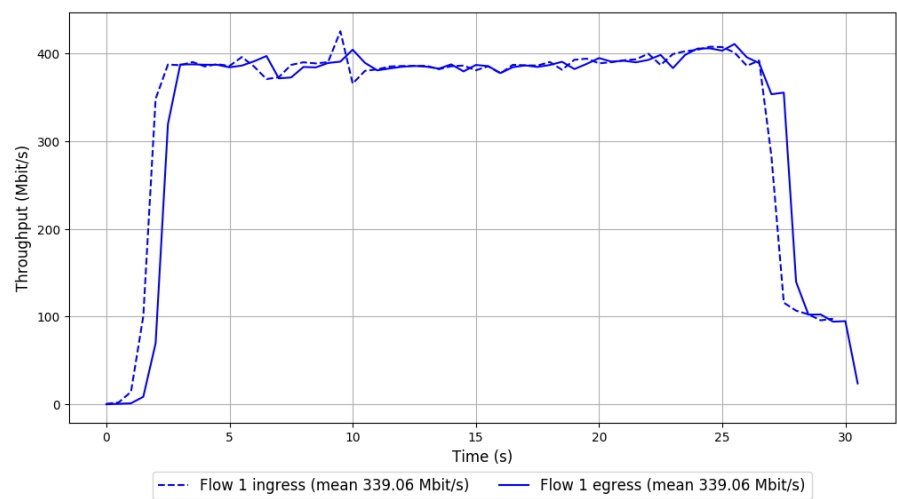


Run 7: Statistics of Copa

Start at: 2018-08-27 22:06:01
End at: 2018-08-27 22:06:31
Local clock offset: 0.176 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-08-28 00:13:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 339.06 Mbit/s
95th percentile per-packet one-way delay: 97.438 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 339.06 Mbit/s
95th percentile per-packet one-way delay: 97.438 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-08-27 22:30:30

End at: 2018-08-27 22:31:00

Local clock offset: -0.234 ms

Remote clock offset: 0.091 ms

Below is generated by plot.py at 2018-08-28 00:16:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 324.96 Mbit/s

95th percentile per-packet one-way delay: 103.010 ms

Loss rate: 0.00%

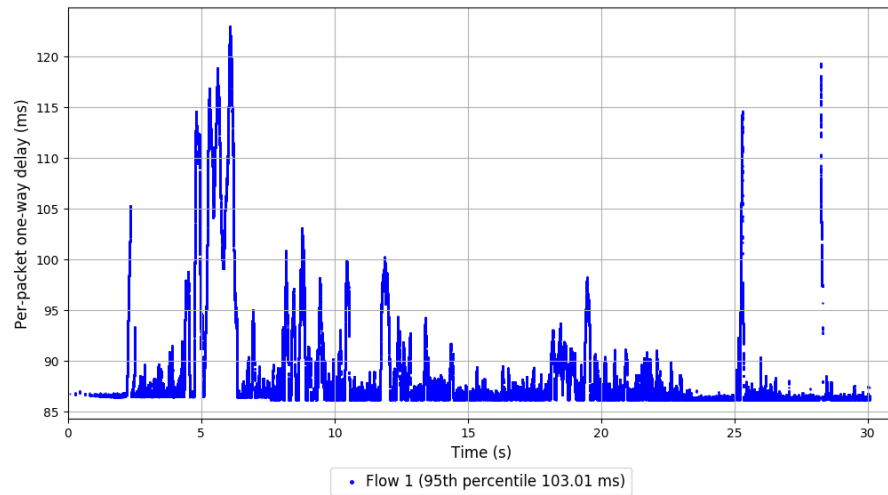
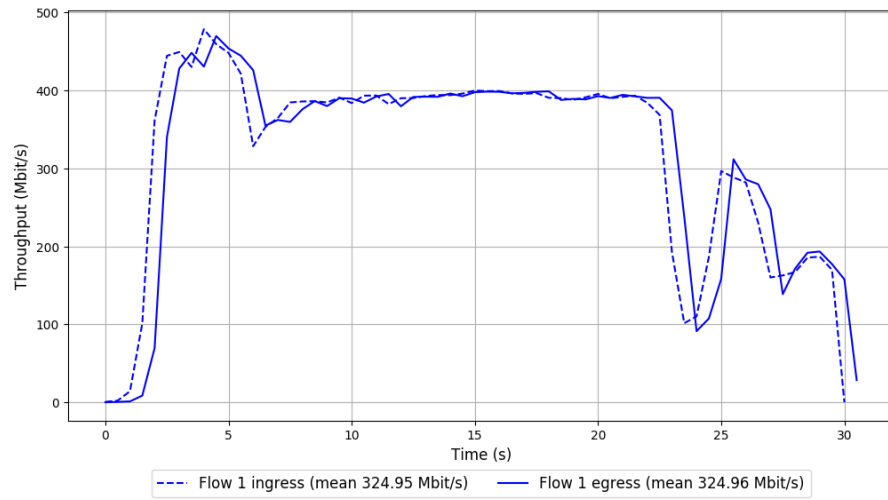
-- Flow 1:

Average throughput: 324.96 Mbit/s

95th percentile per-packet one-way delay: 103.010 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-08-27 22:55:11

End at: 2018-08-27 22:55:41

Local clock offset: -0.084 ms

Remote clock offset: 0.204 ms

Below is generated by plot.py at 2018-08-28 00:16:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 290.40 Mbit/s

95th percentile per-packet one-way delay: 123.982 ms

Loss rate: 0.00%

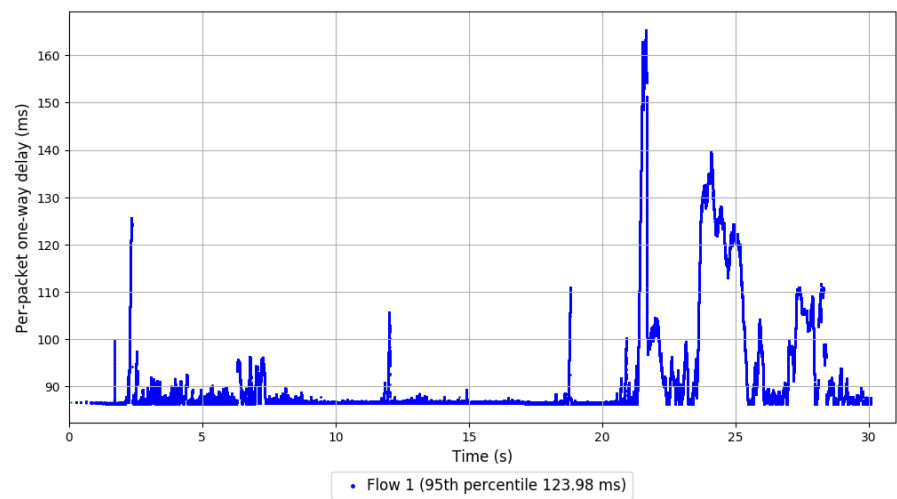
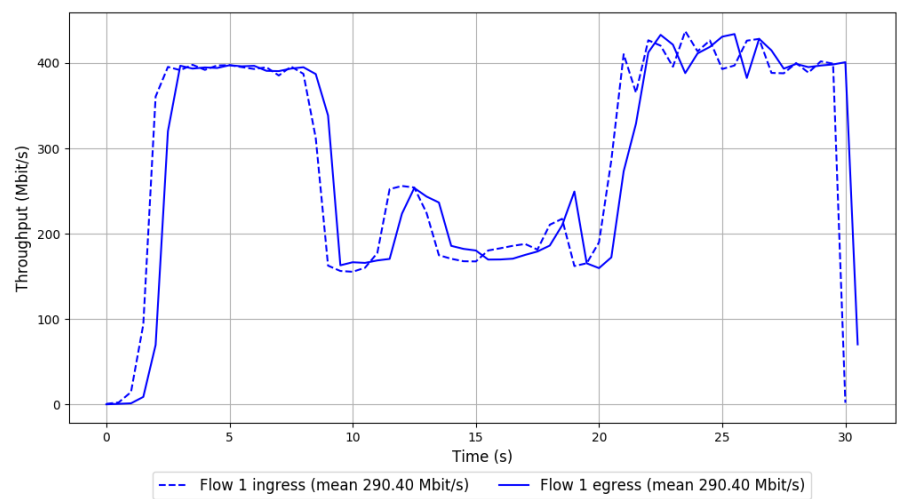
-- Flow 1:

Average throughput: 290.40 Mbit/s

95th percentile per-packet one-way delay: 123.982 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-08-27 23:19:20

End at: 2018-08-27 23:19:50

Local clock offset: 0.25 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-08-28 00:16:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 343.76 Mbit/s

95th percentile per-packet one-way delay: 95.292 ms

Loss rate: 0.08%

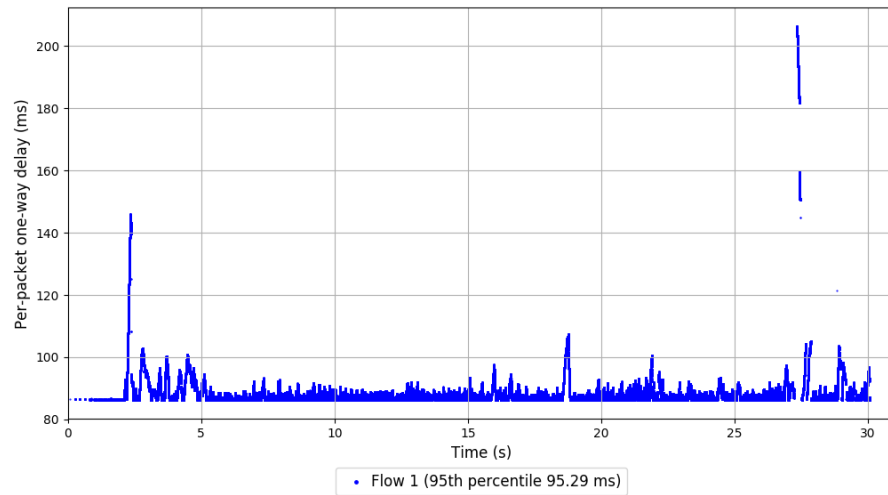
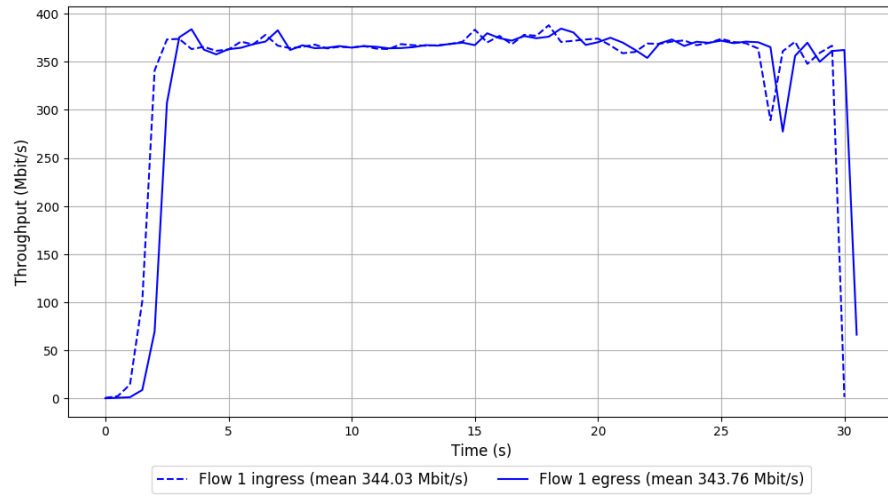
-- Flow 1:

Average throughput: 343.76 Mbit/s

95th percentile per-packet one-way delay: 95.292 ms

Loss rate: 0.08%

Run 10: Report of Copa — Data Link

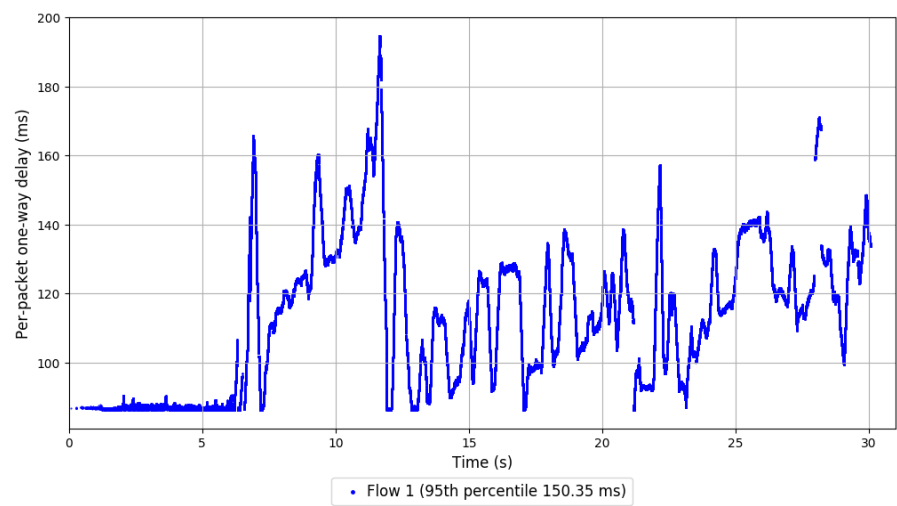
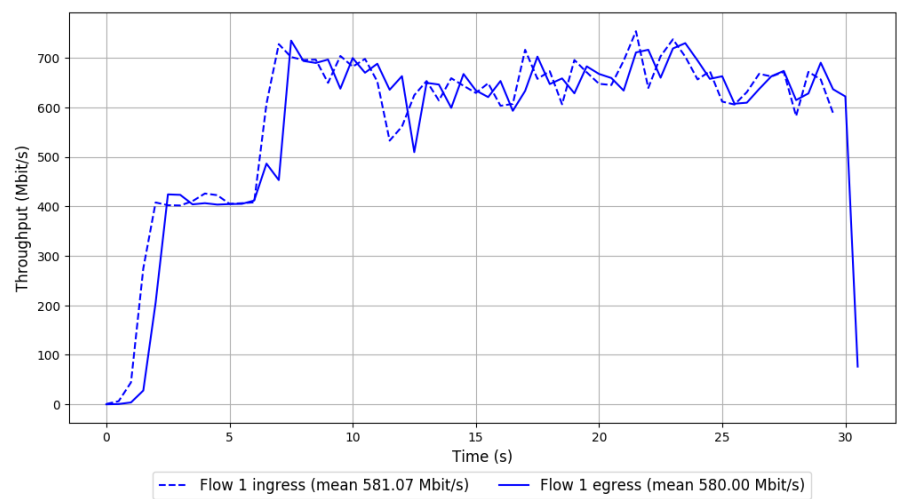


Run 1: Statistics of TCP Cubic

Start at: 2018-08-27 19:27:46
End at: 2018-08-27 19:28:16
Local clock offset: 0.026 ms
Remote clock offset: -0.235 ms

Below is generated by plot.py at 2018-08-28 00:16:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 580.00 Mbit/s
95th percentile per-packet one-way delay: 150.354 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 580.00 Mbit/s
95th percentile per-packet one-way delay: 150.354 ms
Loss rate: 0.18%

Run 1: Report of TCP Cubic — Data Link

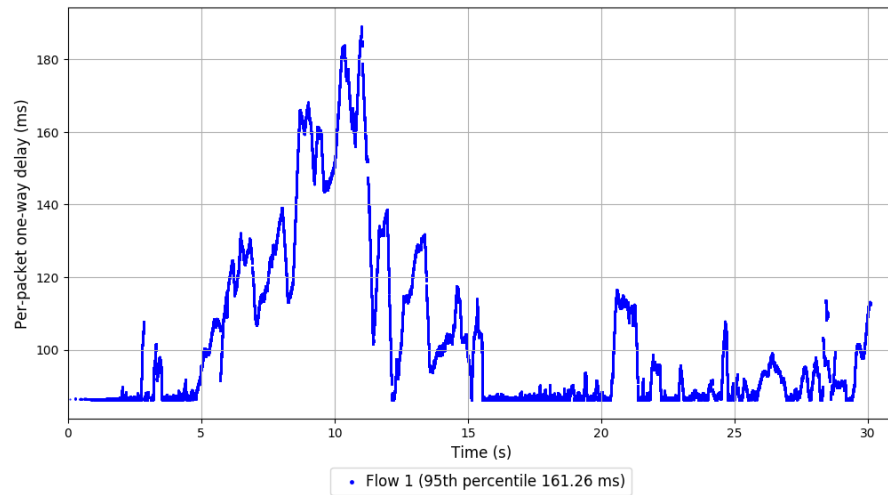
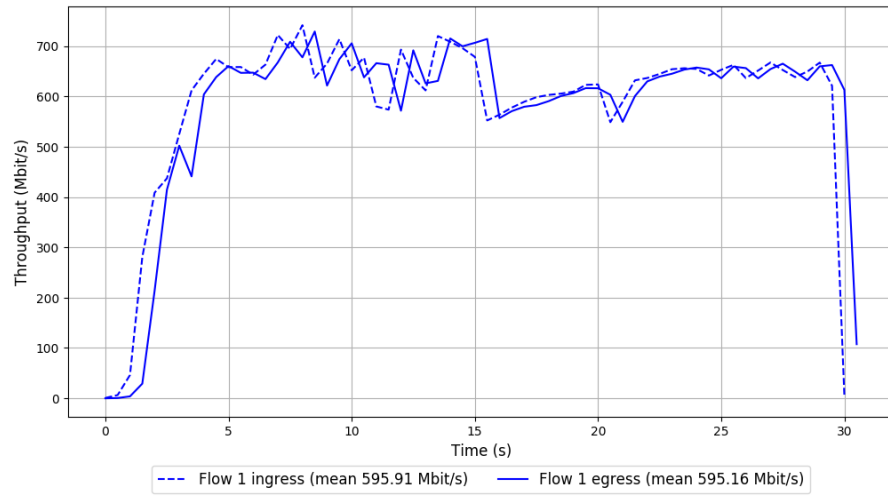


Run 2: Statistics of TCP Cubic

Start at: 2018-08-27 19:52:13
End at: 2018-08-27 19:52:43
Local clock offset: 0.128 ms
Remote clock offset: -0.217 ms

Below is generated by plot.py at 2018-08-28 00:17:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 595.16 Mbit/s
95th percentile per-packet one-way delay: 161.265 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 595.16 Mbit/s
95th percentile per-packet one-way delay: 161.265 ms
Loss rate: 0.12%

Run 2: Report of TCP Cubic — Data Link

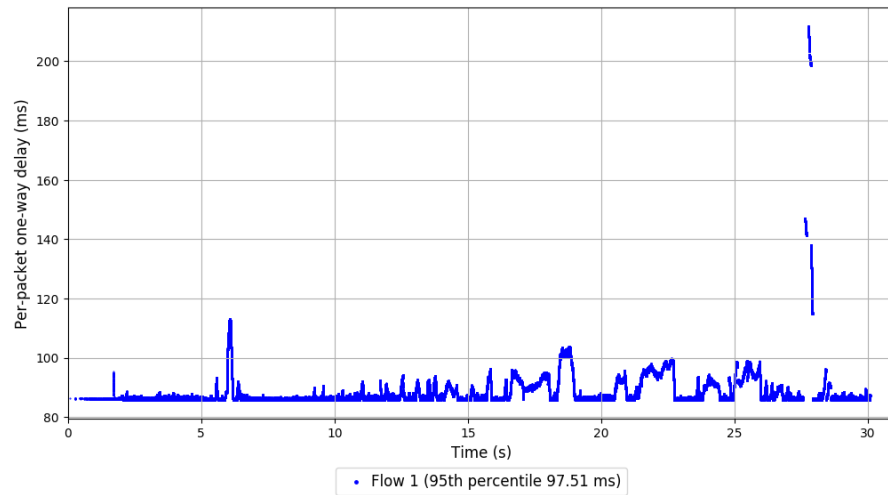
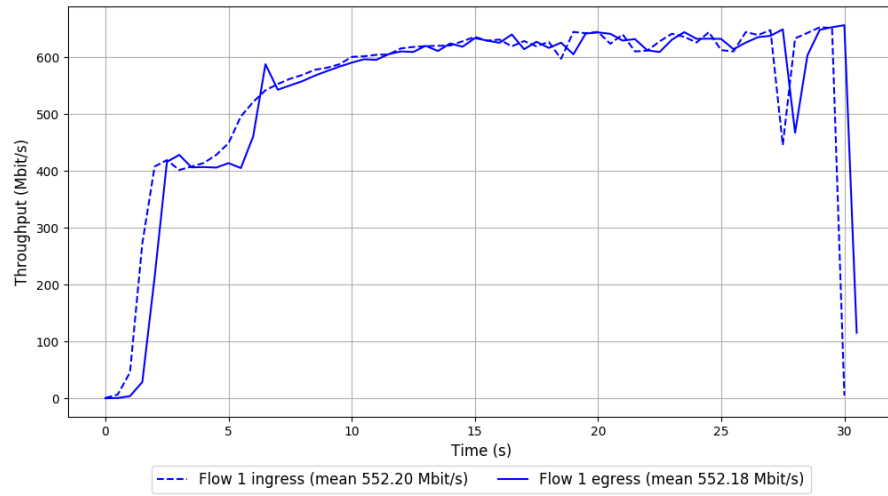


Run 3: Statistics of TCP Cubic

Start at: 2018-08-27 20:16:36
End at: 2018-08-27 20:17:06
Local clock offset: 0.138 ms
Remote clock offset: -0.377 ms

Below is generated by plot.py at 2018-08-28 00:17:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 552.18 Mbit/s
95th percentile per-packet one-way delay: 97.512 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 552.18 Mbit/s
95th percentile per-packet one-way delay: 97.512 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link

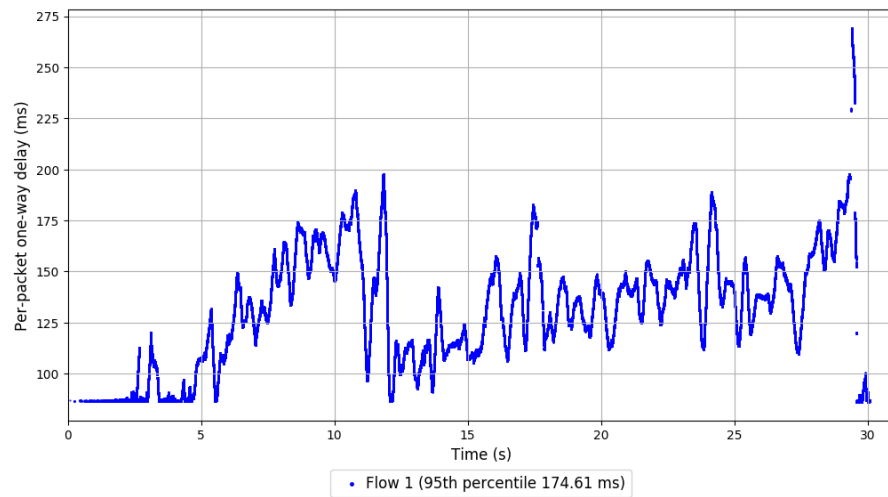
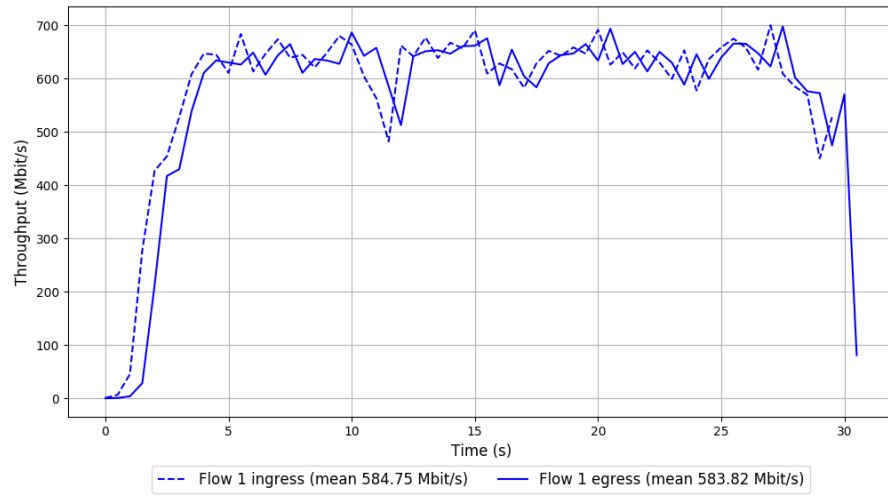


Run 4: Statistics of TCP Cubic

Start at: 2018-08-27 20:40:32
End at: 2018-08-27 20:41:02
Local clock offset: -0.109 ms
Remote clock offset: -0.308 ms

Below is generated by plot.py at 2018-08-28 00:17:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 583.82 Mbit/s
95th percentile per-packet one-way delay: 174.608 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 583.82 Mbit/s
95th percentile per-packet one-way delay: 174.608 ms
Loss rate: 0.16%

Run 4: Report of TCP Cubic — Data Link

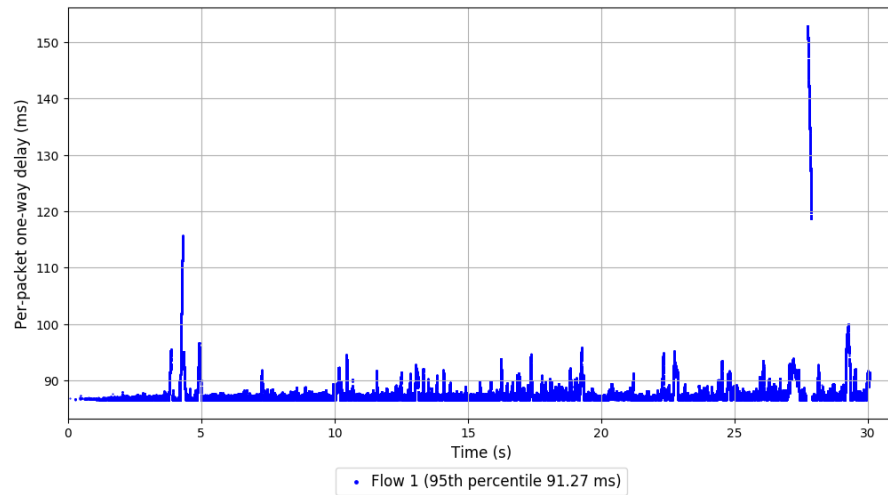
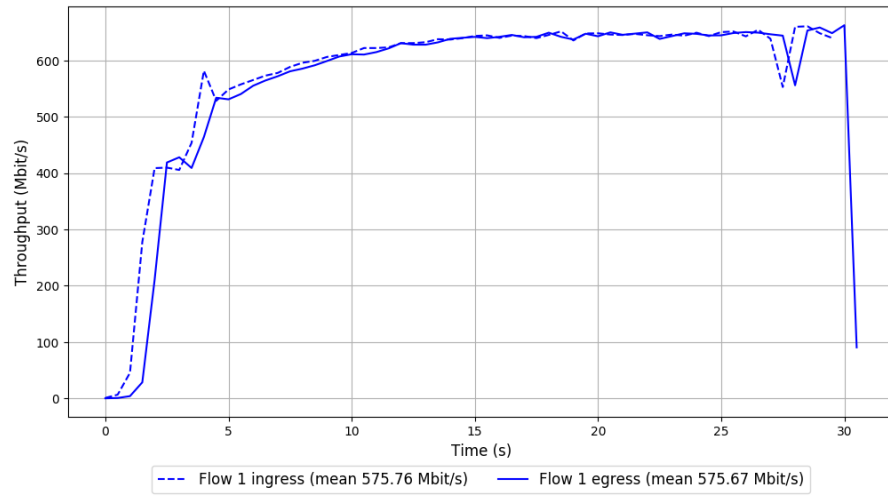


Run 5: Statistics of TCP Cubic

Start at: 2018-08-27 21:04:58
End at: 2018-08-27 21:05:28
Local clock offset: -0.244 ms
Remote clock offset: -0.399 ms

Below is generated by plot.py at 2018-08-28 00:24:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 575.67 Mbit/s
95th percentile per-packet one-way delay: 91.265 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 575.67 Mbit/s
95th percentile per-packet one-way delay: 91.265 ms
Loss rate: 0.01%

Run 5: Report of TCP Cubic — Data Link

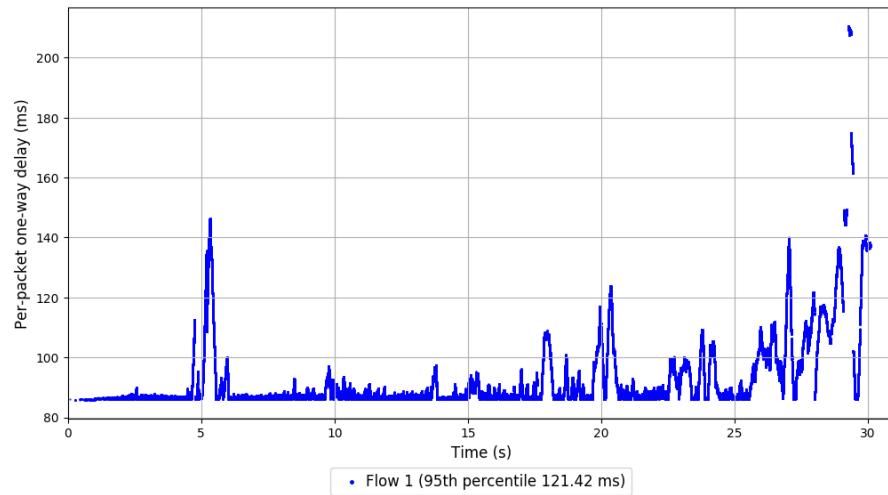
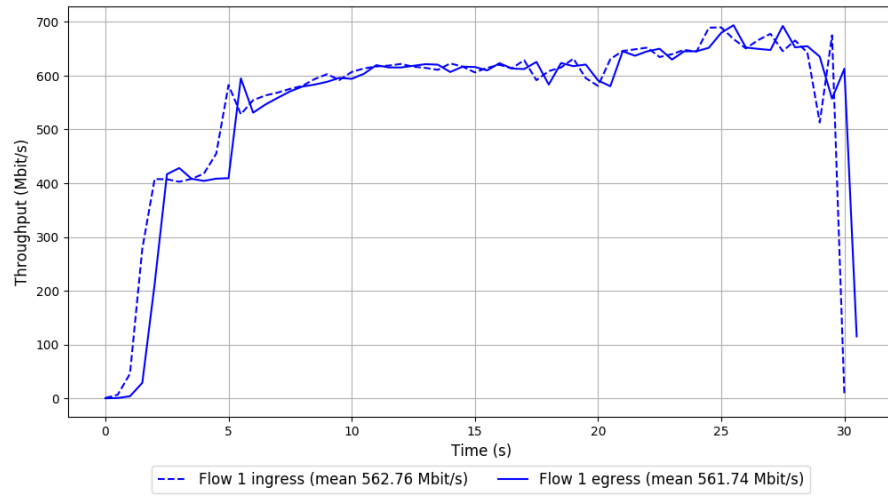


Run 6: Statistics of TCP Cubic

Start at: 2018-08-27 21:29:17
End at: 2018-08-27 21:29:47
Local clock offset: 0.194 ms
Remote clock offset: -0.455 ms

Below is generated by plot.py at 2018-08-28 00:25:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 561.74 Mbit/s
95th percentile per-packet one-way delay: 121.418 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 561.74 Mbit/s
95th percentile per-packet one-way delay: 121.418 ms
Loss rate: 0.18%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-08-27 21:53:45

End at: 2018-08-27 21:54:15

Local clock offset: 0.12 ms

Remote clock offset: -0.46 ms

Below is generated by plot.py at 2018-08-28 00:25:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 572.99 Mbit/s

95th percentile per-packet one-way delay: 96.353 ms

Loss rate: 0.00%

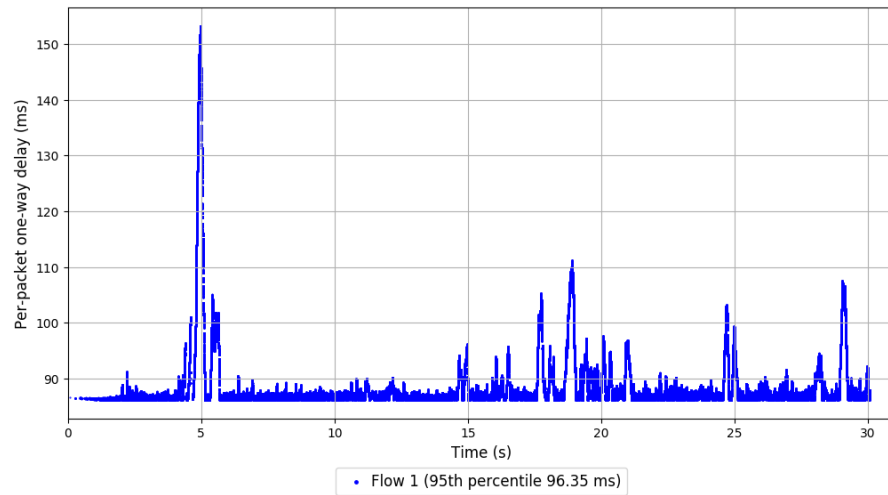
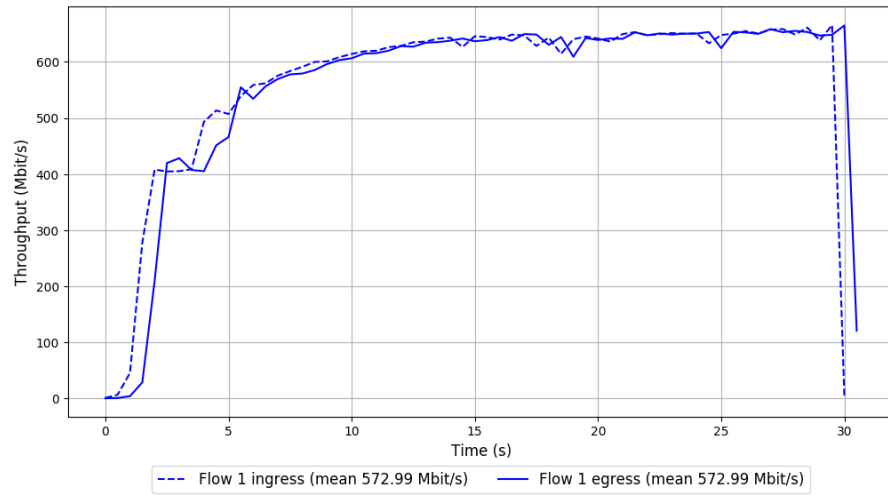
-- Flow 1:

Average throughput: 572.99 Mbit/s

95th percentile per-packet one-way delay: 96.353 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-08-27 22:18:08

End at: 2018-08-27 22:18:38

Local clock offset: -0.159 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-08-28 00:25:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 527.78 Mbit/s

95th percentile per-packet one-way delay: 110.921 ms

Loss rate: 0.00%

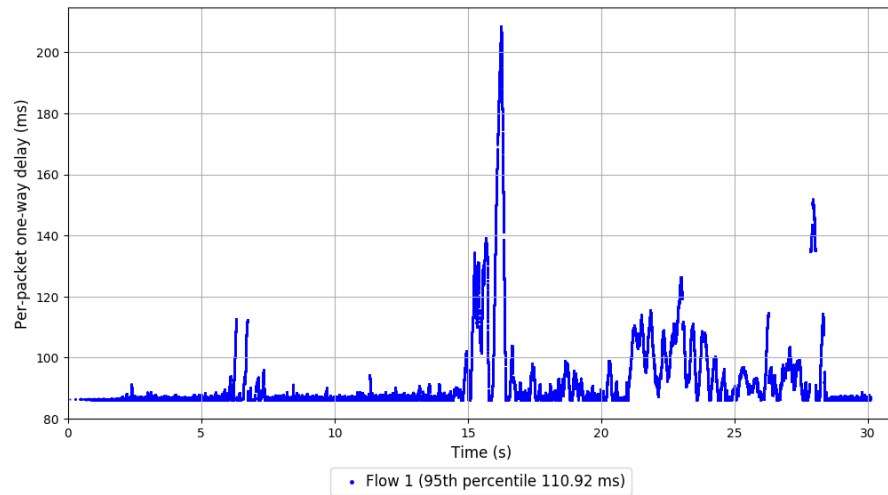
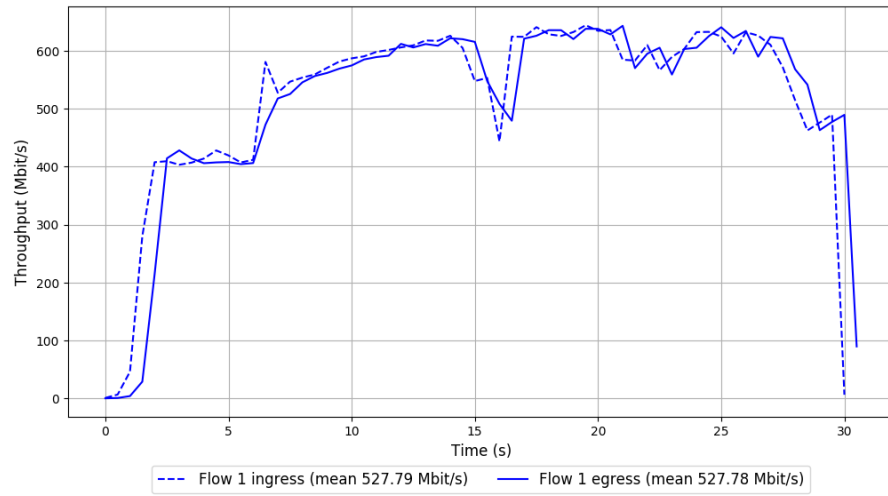
-- Flow 1:

Average throughput: 527.78 Mbit/s

95th percentile per-packet one-way delay: 110.921 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-08-27 22:42:46

End at: 2018-08-27 22:43:16

Local clock offset: -0.194 ms

Remote clock offset: 0.114 ms

Below is generated by plot.py at 2018-08-28 00:26:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 577.60 Mbit/s

95th percentile per-packet one-way delay: 105.842 ms

Loss rate: 0.02%

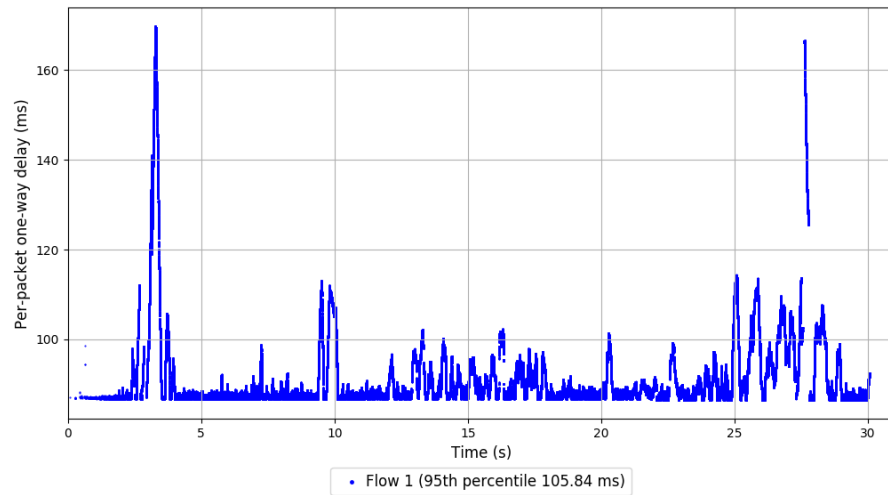
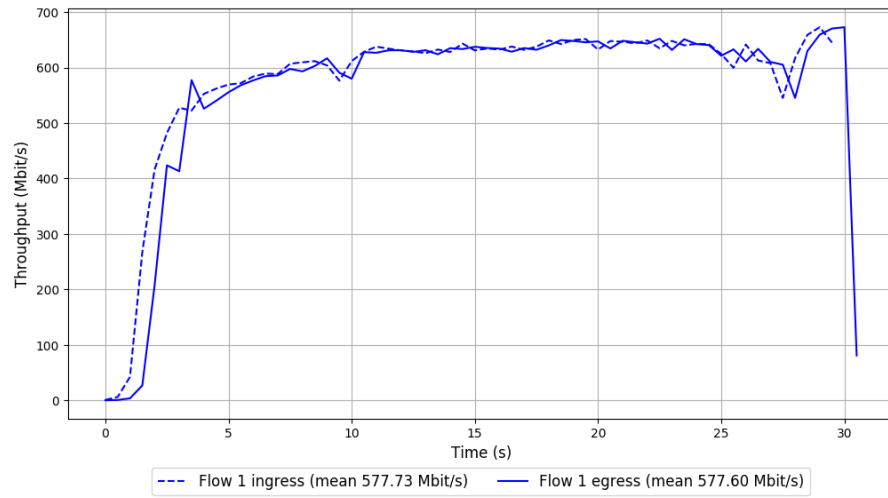
-- Flow 1:

Average throughput: 577.60 Mbit/s

95th percentile per-packet one-way delay: 105.842 ms

Loss rate: 0.02%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-27 23:07:03

End at: 2018-08-27 23:07:33

Local clock offset: 0.176 ms

Remote clock offset: 0.111 ms

Below is generated by plot.py at 2018-08-28 00:26:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 551.36 Mbit/s

95th percentile per-packet one-way delay: 96.837 ms

Loss rate: 0.01%

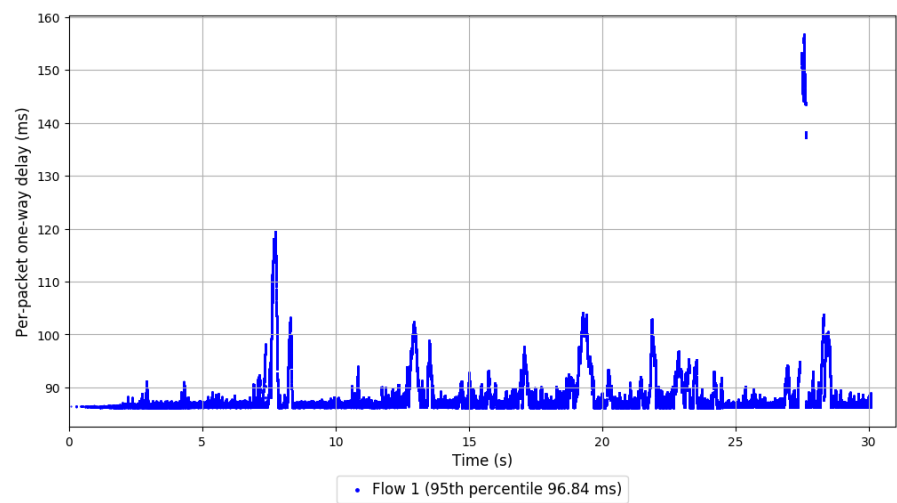
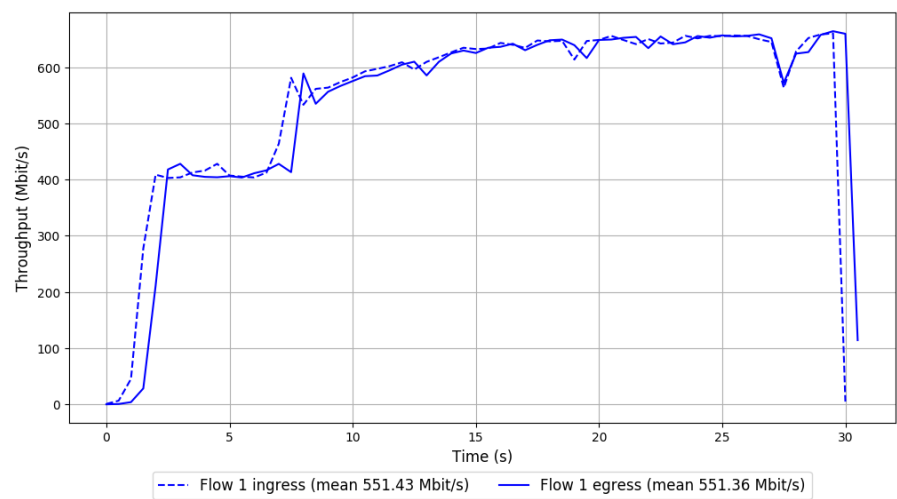
-- Flow 1:

Average throughput: 551.36 Mbit/s

95th percentile per-packet one-way delay: 96.837 ms

Loss rate: 0.01%

Run 10: Report of TCP Cubic — Data Link

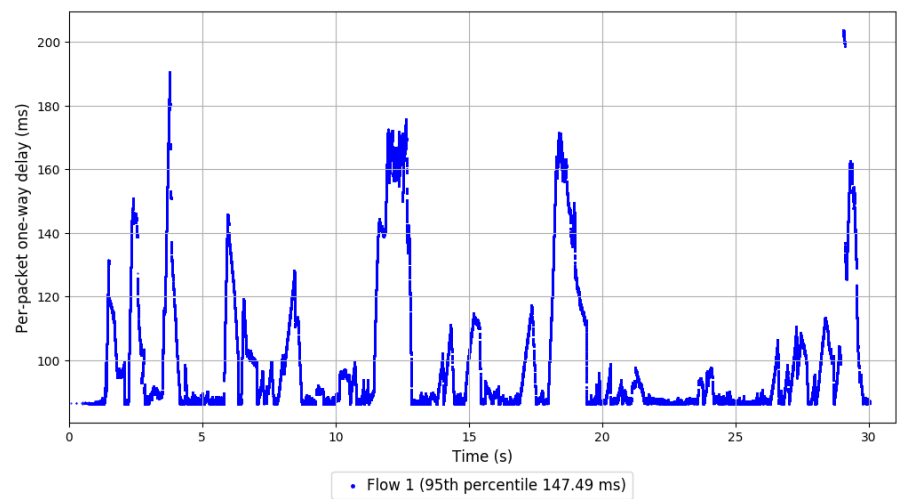
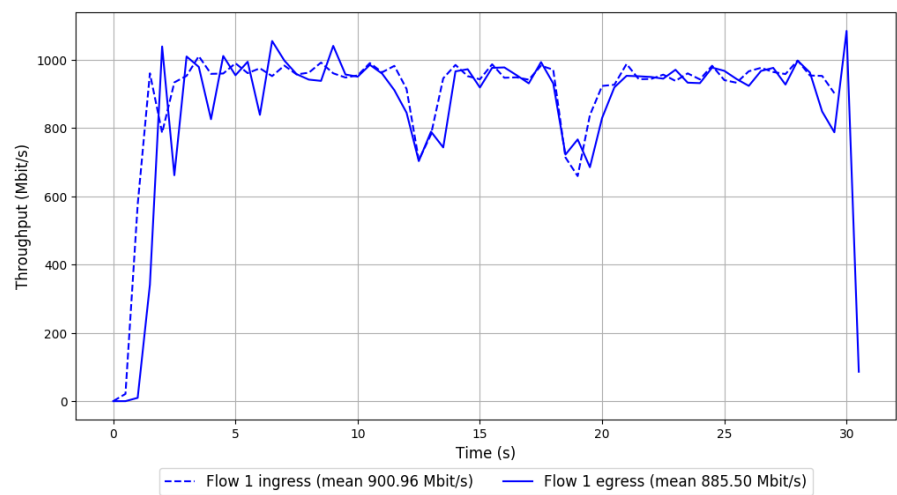


Run 1: Statistics of FillP

Start at: 2018-08-27 19:30:33
End at: 2018-08-27 19:31:03
Local clock offset: -0.088 ms
Remote clock offset: -0.224 ms

Below is generated by plot.py at 2018-08-28 00:35:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 885.50 Mbit/s
95th percentile per-packet one-way delay: 147.491 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 885.50 Mbit/s
95th percentile per-packet one-way delay: 147.491 ms
Loss rate: 1.72%

Run 1: Report of FillP — Data Link

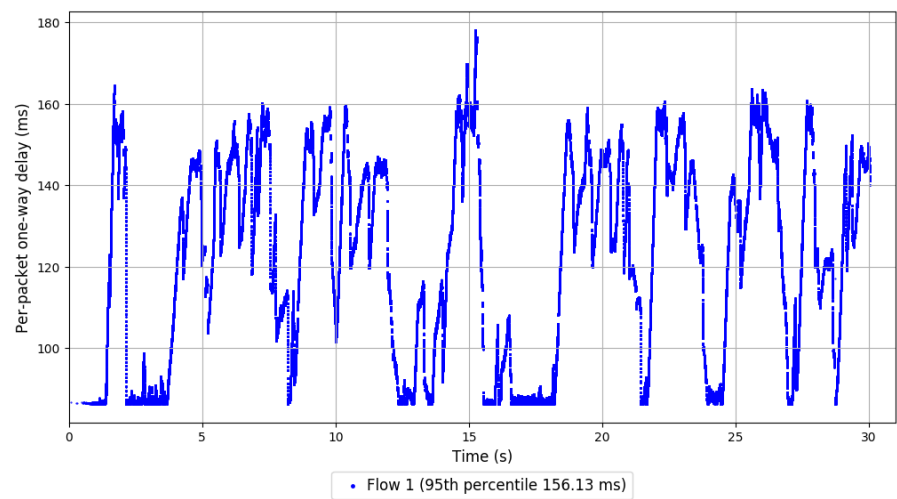
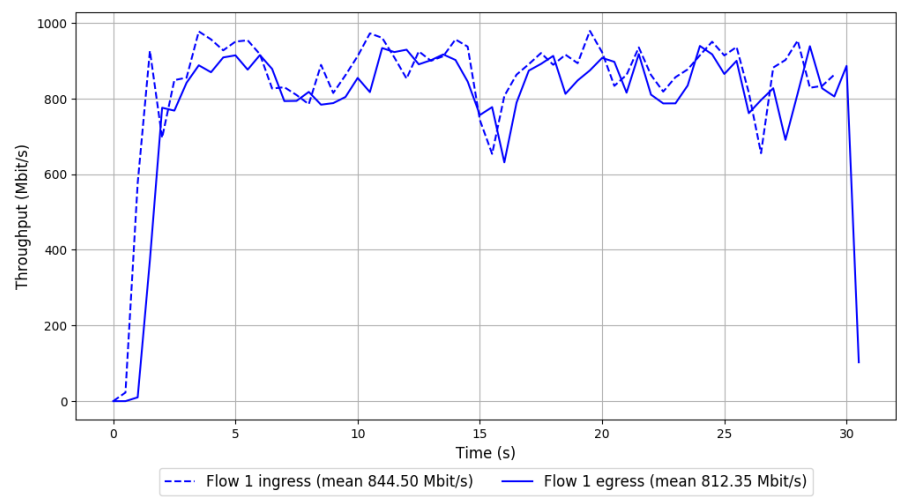


Run 2: Statistics of FillP

Start at: 2018-08-27 19:55:01
End at: 2018-08-27 19:55:31
Local clock offset: -0.034 ms
Remote clock offset: -0.241 ms

Below is generated by plot.py at 2018-08-28 00:35:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 812.35 Mbit/s
95th percentile per-packet one-way delay: 156.131 ms
Loss rate: 3.80%
-- Flow 1:
Average throughput: 812.35 Mbit/s
95th percentile per-packet one-way delay: 156.131 ms
Loss rate: 3.80%

Run 2: Report of FillP — Data Link

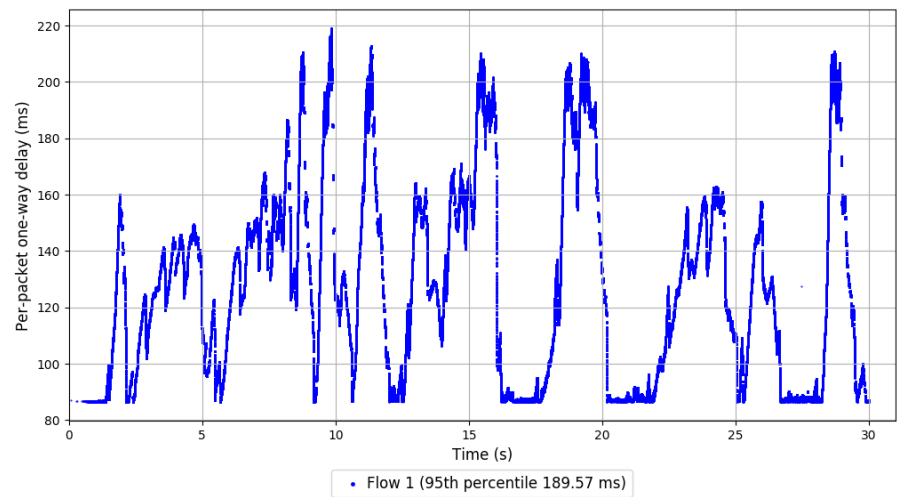
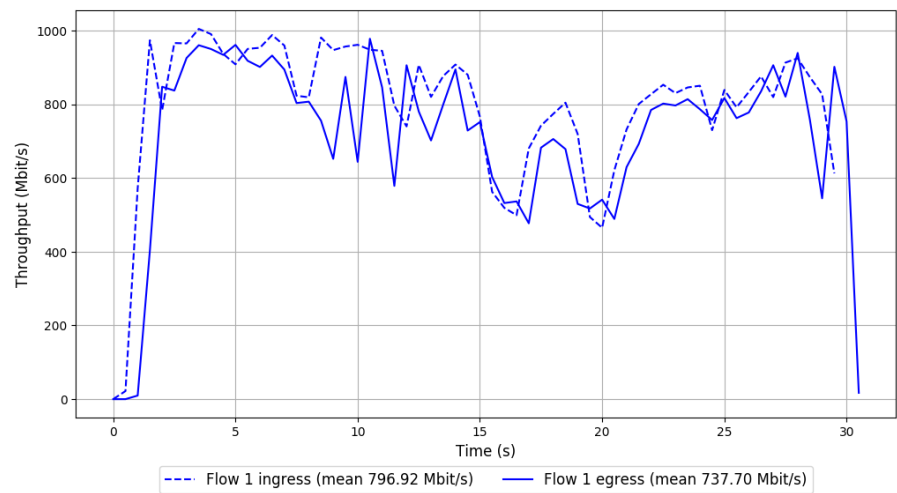


Run 3: Statistics of FillP

Start at: 2018-08-27 20:19:17
End at: 2018-08-27 20:19:47
Local clock offset: -0.178 ms
Remote clock offset: -0.326 ms

Below is generated by plot.py at 2018-08-28 00:40:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 737.70 Mbit/s
95th percentile per-packet one-way delay: 189.567 ms
Loss rate: 7.43%
-- Flow 1:
Average throughput: 737.70 Mbit/s
95th percentile per-packet one-way delay: 189.567 ms
Loss rate: 7.43%

Run 3: Report of FillP — Data Link

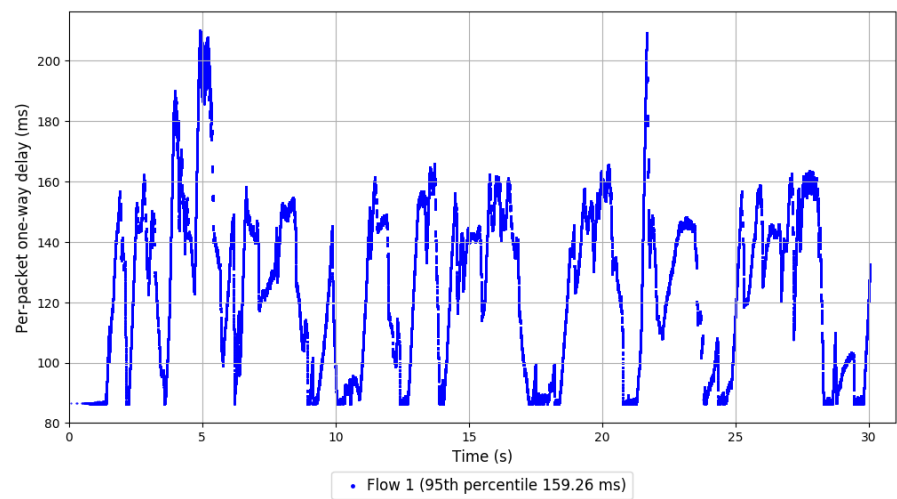
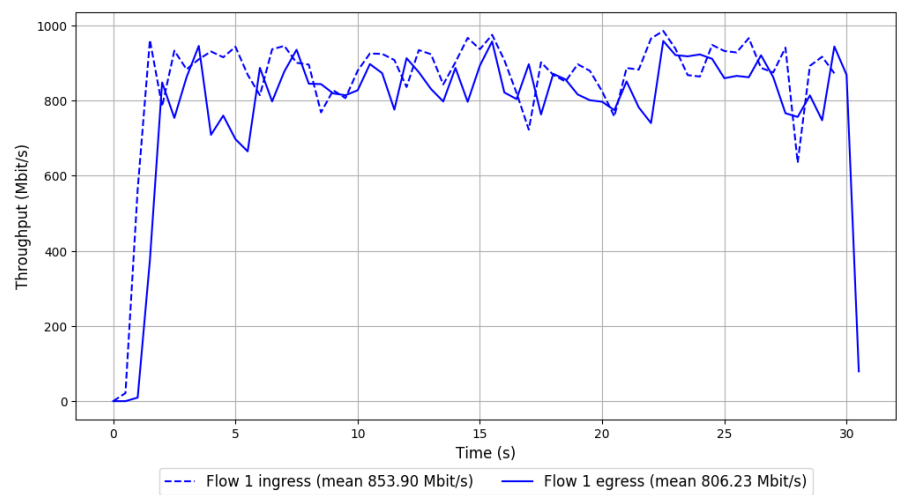


Run 4: Statistics of FillP

Start at: 2018-08-27 20:43:16
End at: 2018-08-27 20:43:46
Local clock offset: -0.018 ms
Remote clock offset: -0.333 ms

Below is generated by plot.py at 2018-08-28 00:43:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 806.23 Mbit/s
95th percentile per-packet one-way delay: 159.261 ms
Loss rate: 5.58%
-- Flow 1:
Average throughput: 806.23 Mbit/s
95th percentile per-packet one-way delay: 159.261 ms
Loss rate: 5.58%

Run 4: Report of FillP — Data Link

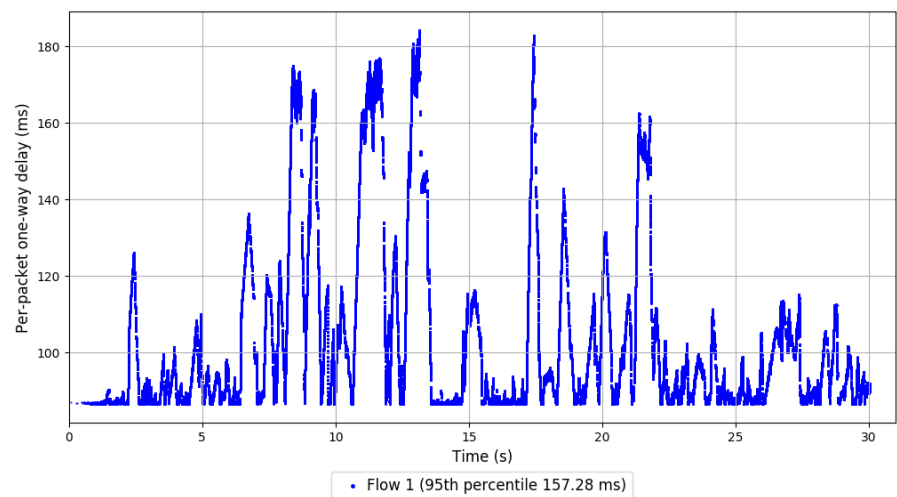
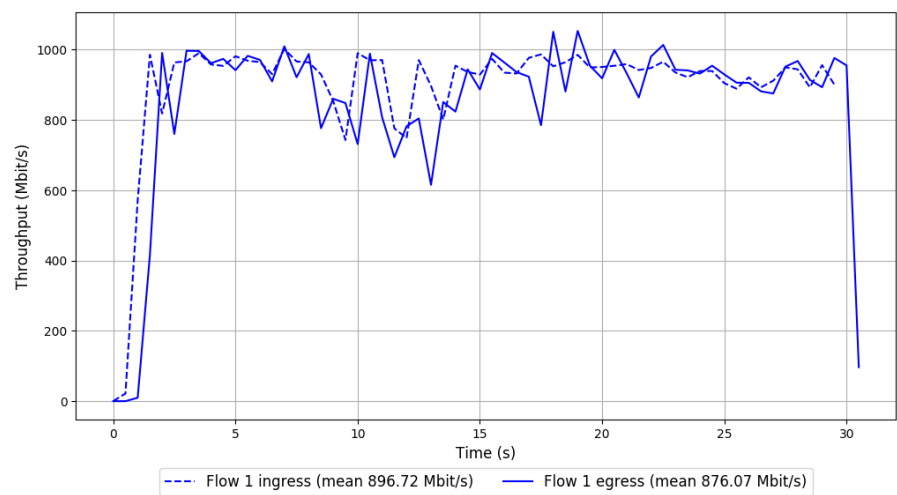


Run 5: Statistics of FillP

Start at: 2018-08-27 21:07:40
End at: 2018-08-27 21:08:10
Local clock offset: -0.216 ms
Remote clock offset: -0.346 ms

Below is generated by plot.py at 2018-08-28 00:44:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 876.07 Mbit/s
95th percentile per-packet one-way delay: 157.285 ms
Loss rate: 2.30%
-- Flow 1:
Average throughput: 876.07 Mbit/s
95th percentile per-packet one-way delay: 157.285 ms
Loss rate: 2.30%

Run 5: Report of FillP — Data Link

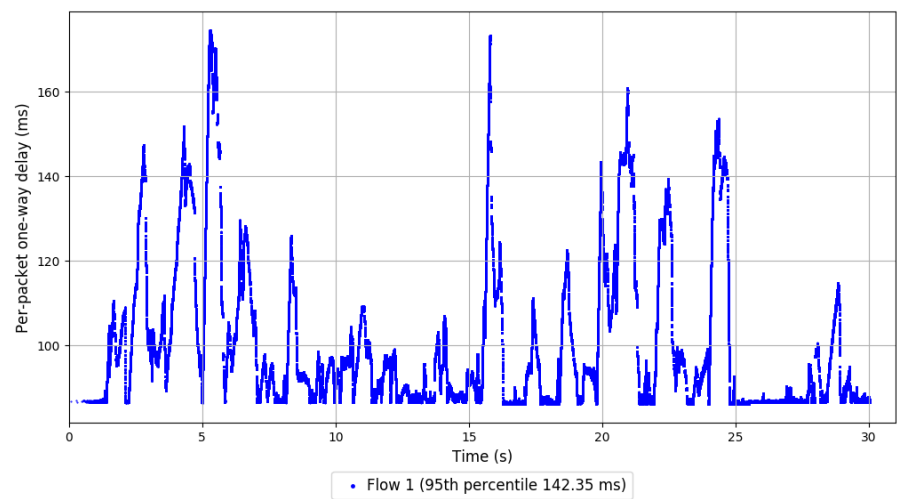
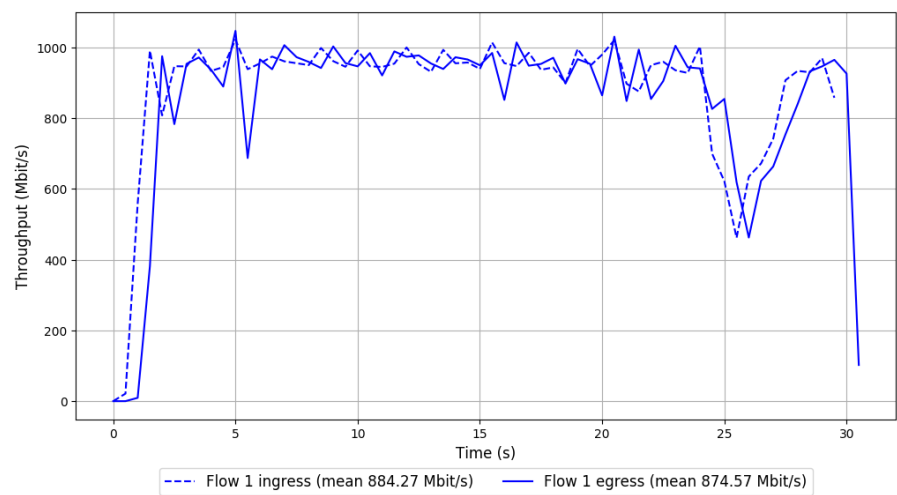


Run 6: Statistics of FillP

Start at: 2018-08-27 21:32:02
End at: 2018-08-27 21:32:32
Local clock offset: -0.081 ms
Remote clock offset: -0.403 ms

Below is generated by plot.py at 2018-08-28 00:44:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 874.57 Mbit/s
95th percentile per-packet one-way delay: 142.348 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 874.57 Mbit/s
95th percentile per-packet one-way delay: 142.348 ms
Loss rate: 1.10%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-08-27 21:56:28

End at: 2018-08-27 21:56:58

Local clock offset: 0.123 ms

Remote clock offset: -0.36 ms

Below is generated by plot.py at 2018-08-28 00:44:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 843.26 Mbit/s

95th percentile per-packet one-way delay: 160.118 ms

Loss rate: 4.08%

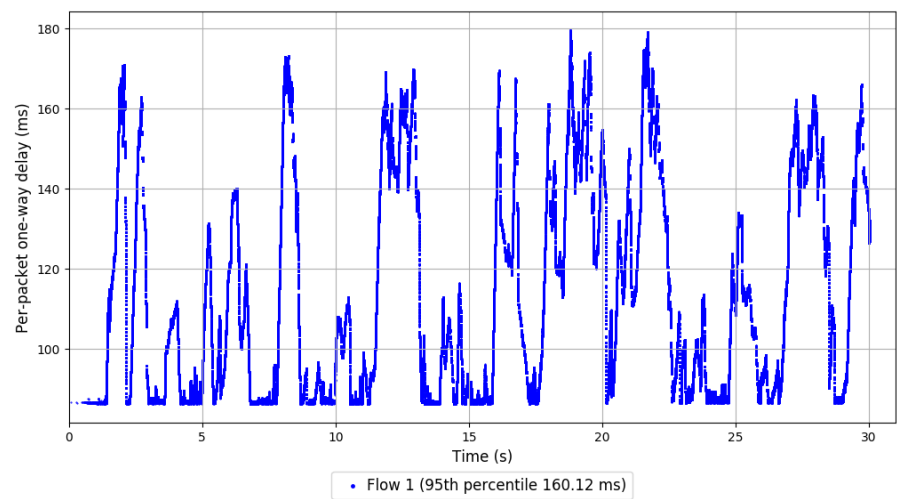
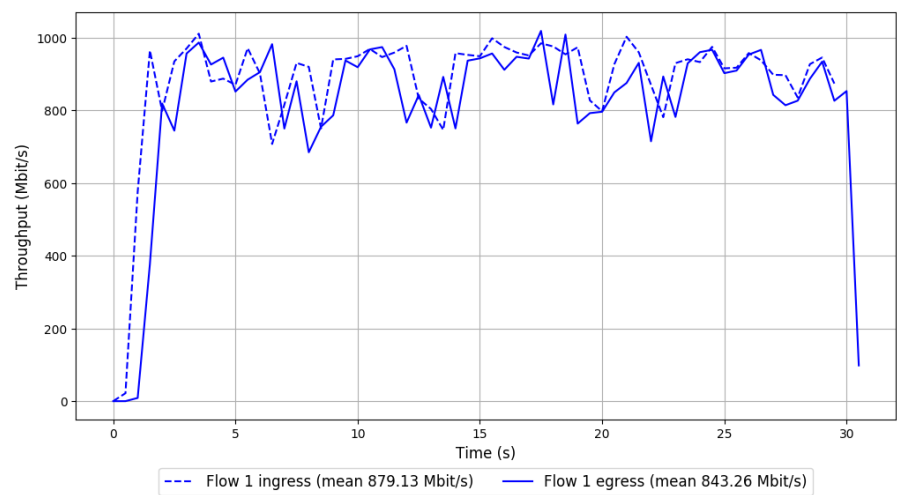
-- Flow 1:

Average throughput: 843.26 Mbit/s

95th percentile per-packet one-way delay: 160.118 ms

Loss rate: 4.08%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-08-27 22:20:49

End at: 2018-08-27 22:21:19

Local clock offset: -0.188 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-08-28 00:45:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 908.94 Mbit/s

95th percentile per-packet one-way delay: 126.930 ms

Loss rate: 0.29%

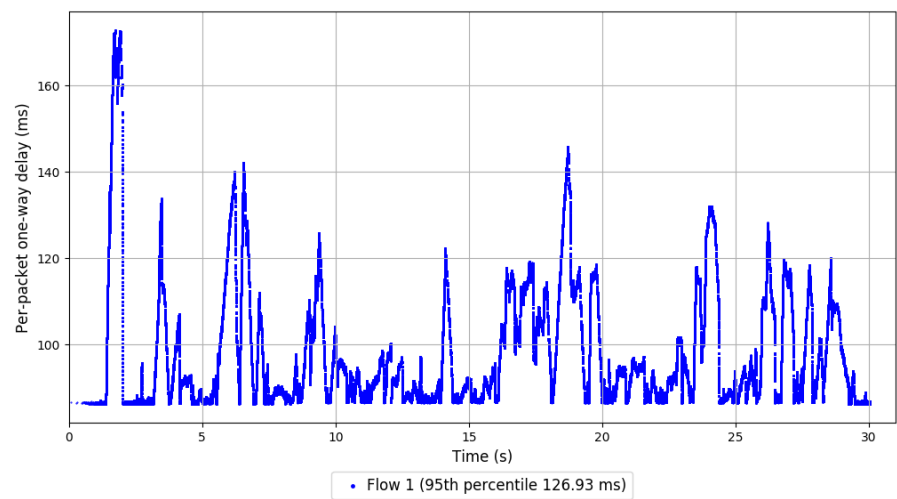
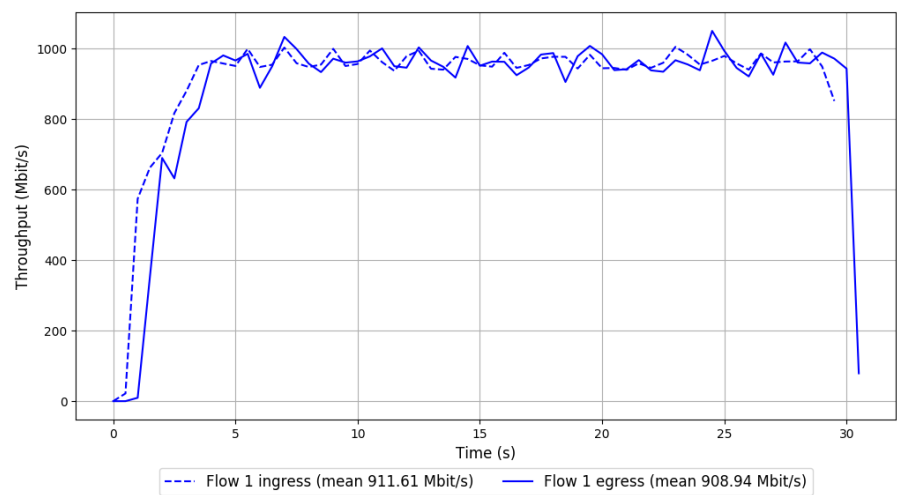
-- Flow 1:

Average throughput: 908.94 Mbit/s

95th percentile per-packet one-way delay: 126.930 ms

Loss rate: 0.29%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-08-27 22:45:29

End at: 2018-08-27 22:45:59

Local clock offset: 0.116 ms

Remote clock offset: 0.168 ms

Below is generated by plot.py at 2018-08-28 00:52:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 832.38 Mbit/s

95th percentile per-packet one-way delay: 158.902 ms

Loss rate: 4.11%

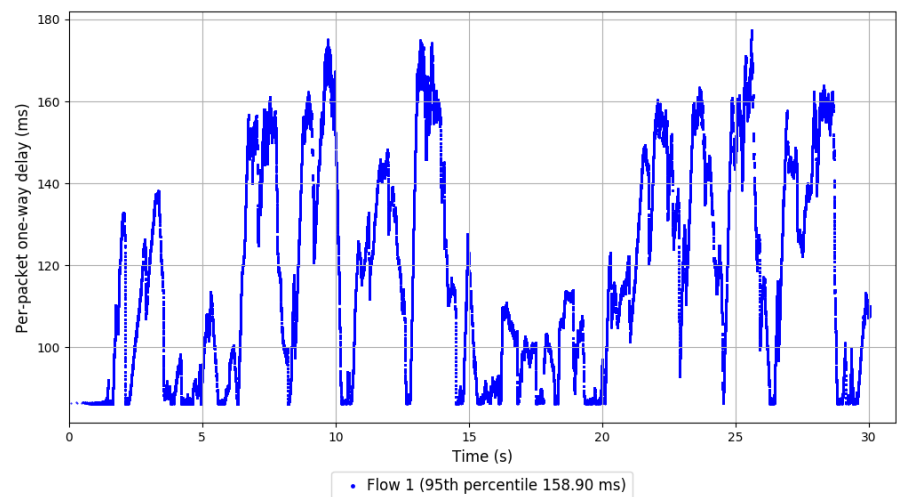
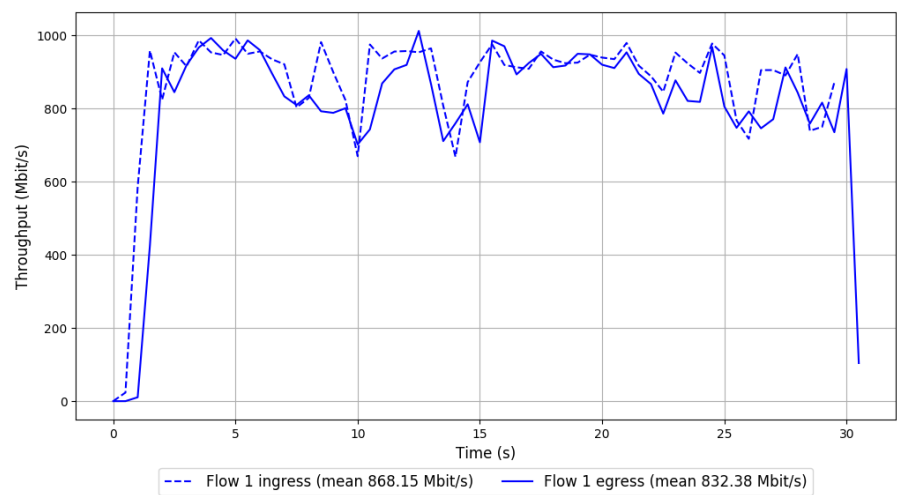
-- Flow 1:

Average throughput: 832.38 Mbit/s

95th percentile per-packet one-way delay: 158.902 ms

Loss rate: 4.11%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-08-27 23:09:44

End at: 2018-08-27 23:10:14

Local clock offset: 0.133 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-08-28 00:52:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 809.05 Mbit/s

95th percentile per-packet one-way delay: 159.417 ms

Loss rate: 4.11%

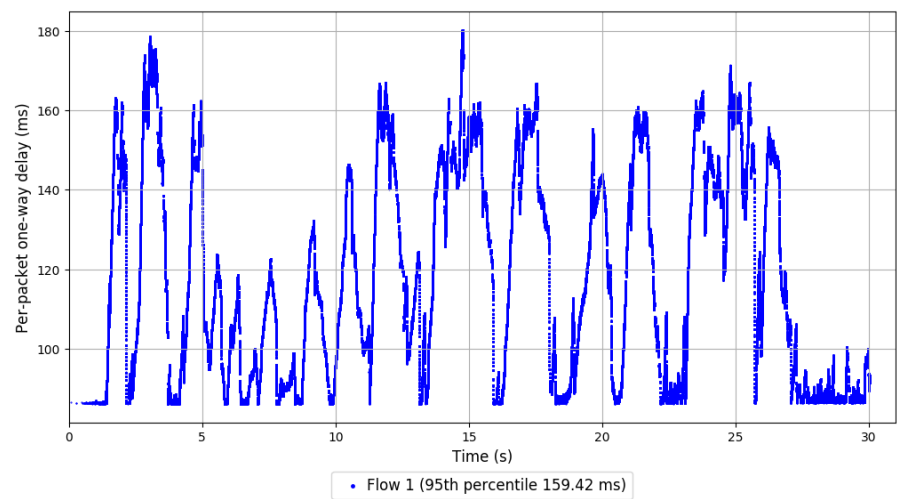
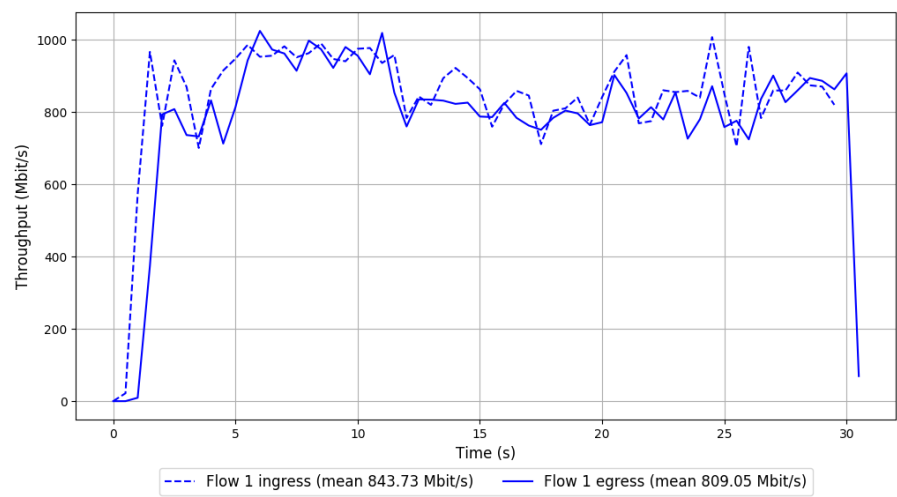
-- Flow 1:

Average throughput: 809.05 Mbit/s

95th percentile per-packet one-way delay: 159.417 ms

Loss rate: 4.11%

Run 10: Report of FillP — Data Link

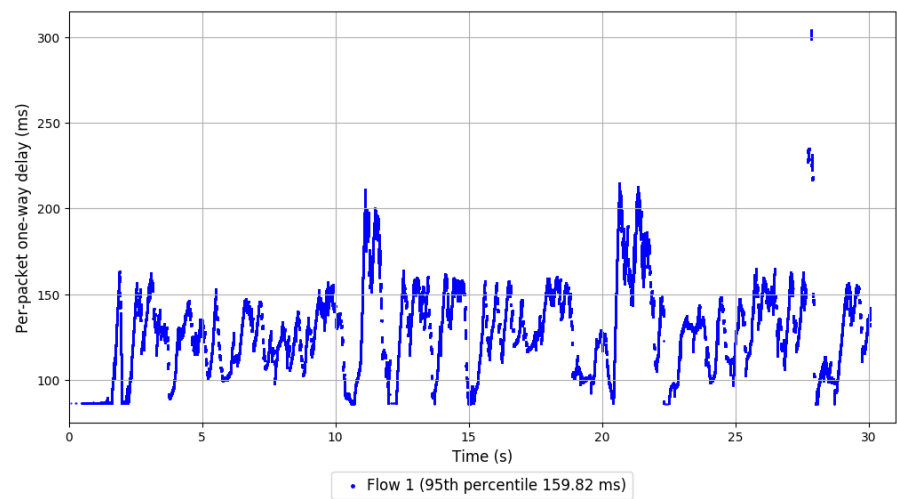
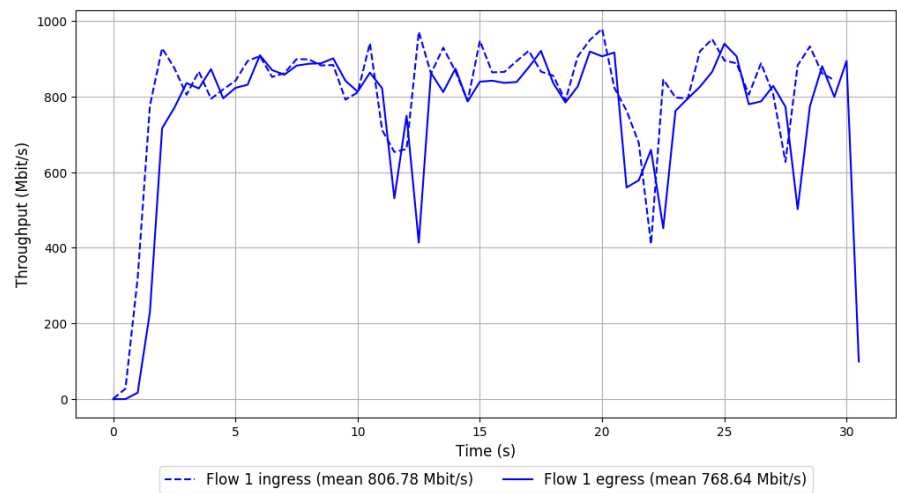


Run 1: Statistics of FillP-Sheep

Start at: 2018-08-27 19:43:18
End at: 2018-08-27 19:43:48
Local clock offset: -0.027 ms
Remote clock offset: -0.277 ms

Below is generated by plot.py at 2018-08-28 00:57:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 768.64 Mbit/s
95th percentile per-packet one-way delay: 159.818 ms
Loss rate: 4.73%
-- Flow 1:
Average throughput: 768.64 Mbit/s
95th percentile per-packet one-way delay: 159.818 ms
Loss rate: 4.73%

Run 1: Report of FillP-Sheep — Data Link

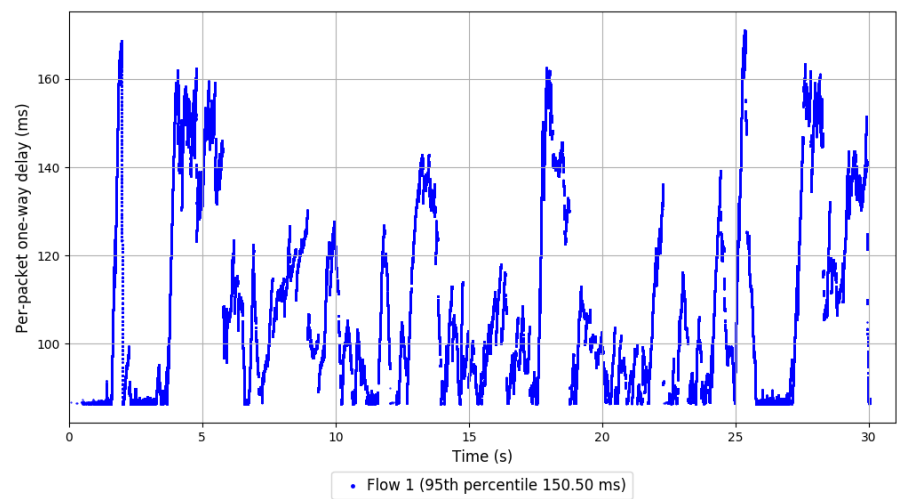
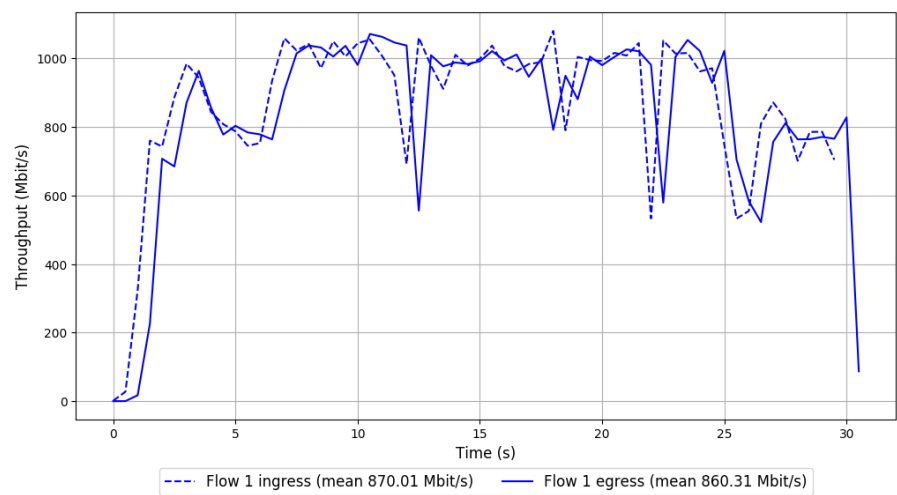


Run 2: Statistics of FillP-Sheep

Start at: 2018-08-27 20:07:37
End at: 2018-08-27 20:08:07
Local clock offset: -0.137 ms
Remote clock offset: -0.288 ms

Below is generated by plot.py at 2018-08-28 01:01:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 860.31 Mbit/s
95th percentile per-packet one-way delay: 150.503 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 860.31 Mbit/s
95th percentile per-packet one-way delay: 150.503 ms
Loss rate: 1.11%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-08-27 20:31:51

End at: 2018-08-27 20:32:21

Local clock offset: 0.073 ms

Remote clock offset: -0.31 ms

Below is generated by plot.py at 2018-08-28 01:01:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 772.70 Mbit/s

95th percentile per-packet one-way delay: 168.905 ms

Loss rate: 4.52%

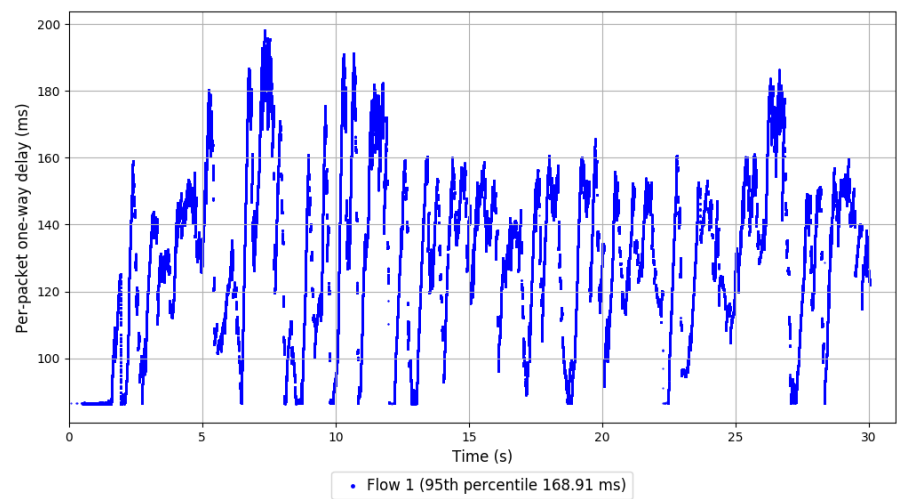
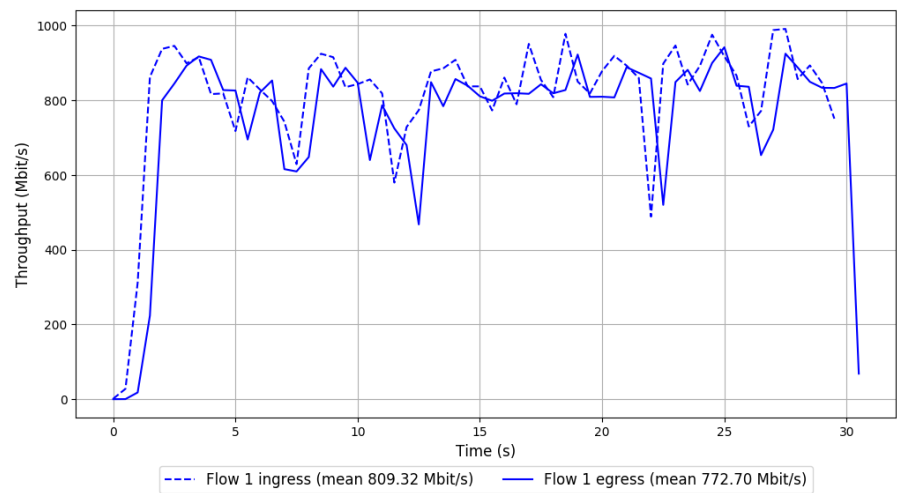
-- Flow 1:

Average throughput: 772.70 Mbit/s

95th percentile per-packet one-way delay: 168.905 ms

Loss rate: 4.52%

Run 3: Report of FillP-Sheep — Data Link

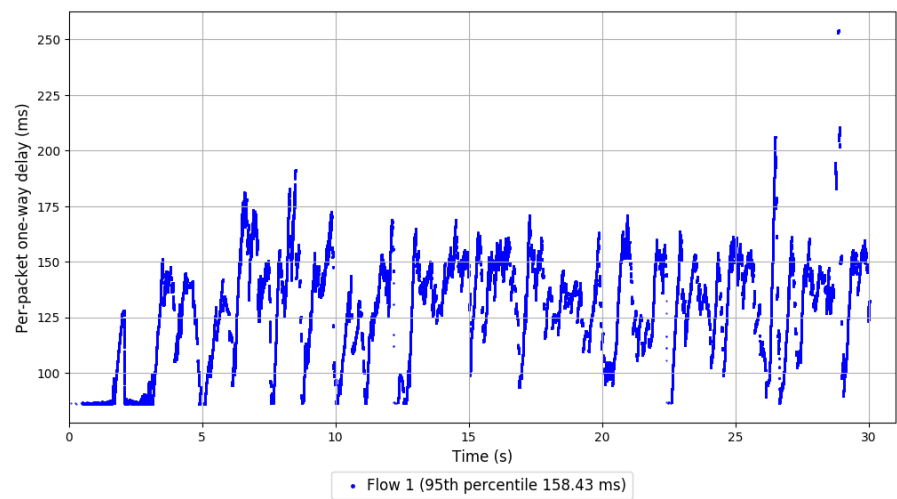
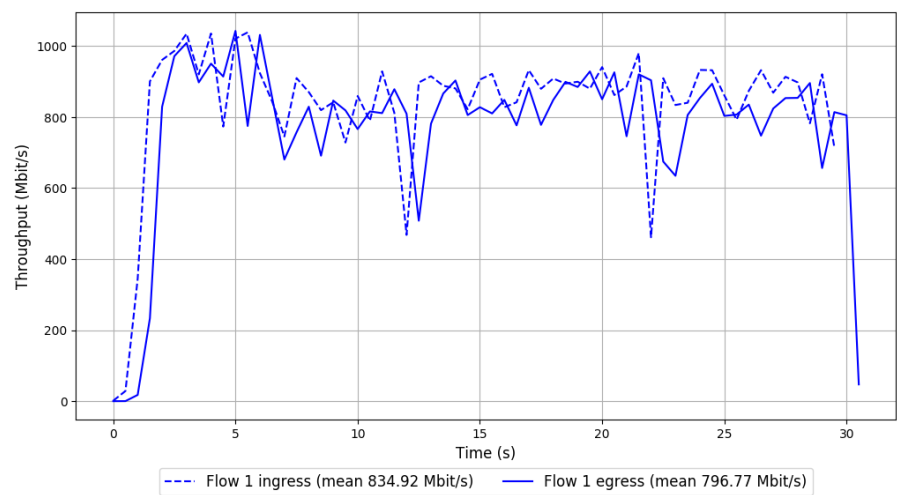


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-27 20:55:52
End at: 2018-08-27 20:56:22
Local clock offset: -0.047 ms
Remote clock offset: -0.373 ms

Below is generated by plot.py at 2018-08-28 01:01:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 796.77 Mbit/s
95th percentile per-packet one-way delay: 158.432 ms
Loss rate: 4.57%
-- Flow 1:
Average throughput: 796.77 Mbit/s
95th percentile per-packet one-way delay: 158.432 ms
Loss rate: 4.57%

Run 4: Report of FillP-Sheep — Data Link

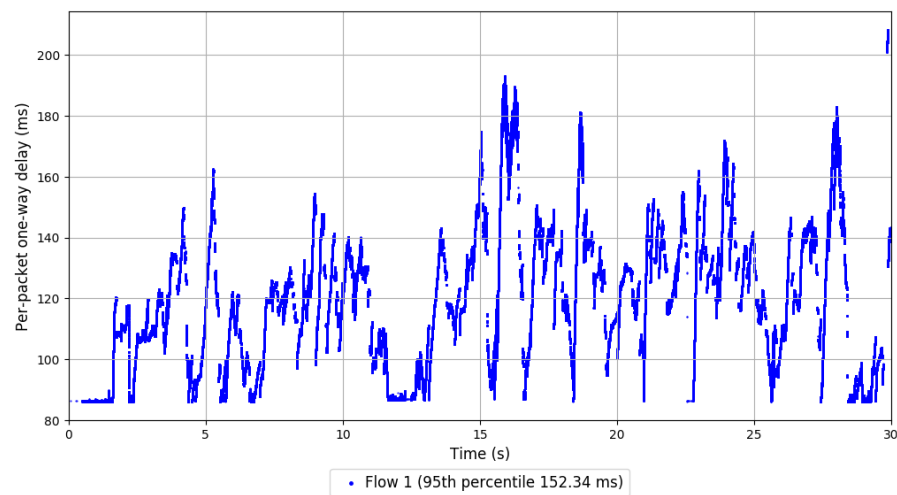
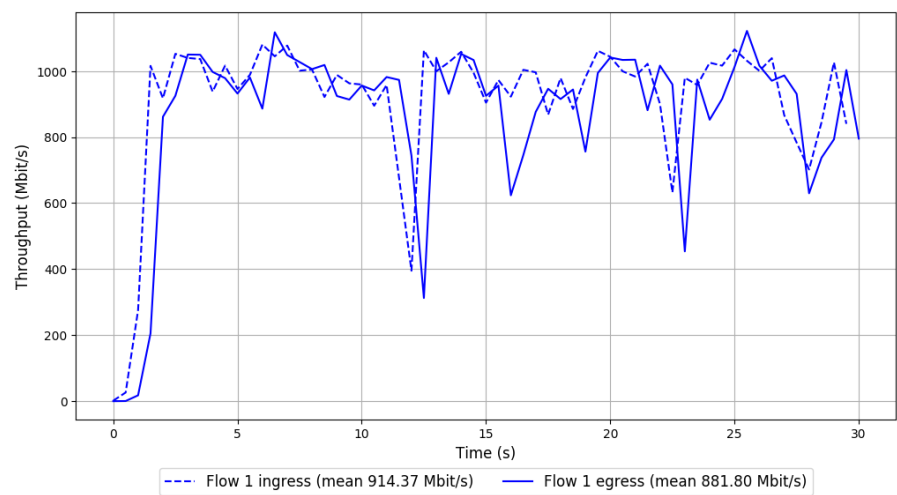


Run 5: Statistics of FillP-Sheep

Start at: 2018-08-27 21:20:11
End at: 2018-08-27 21:20:41
Local clock offset: -0.049 ms
Remote clock offset: -0.361 ms

Below is generated by plot.py at 2018-08-28 01:03:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 881.80 Mbit/s
95th percentile per-packet one-way delay: 152.339 ms
Loss rate: 3.56%
-- Flow 1:
Average throughput: 881.80 Mbit/s
95th percentile per-packet one-way delay: 152.339 ms
Loss rate: 3.56%

Run 5: Report of FillP-Sheep — Data Link

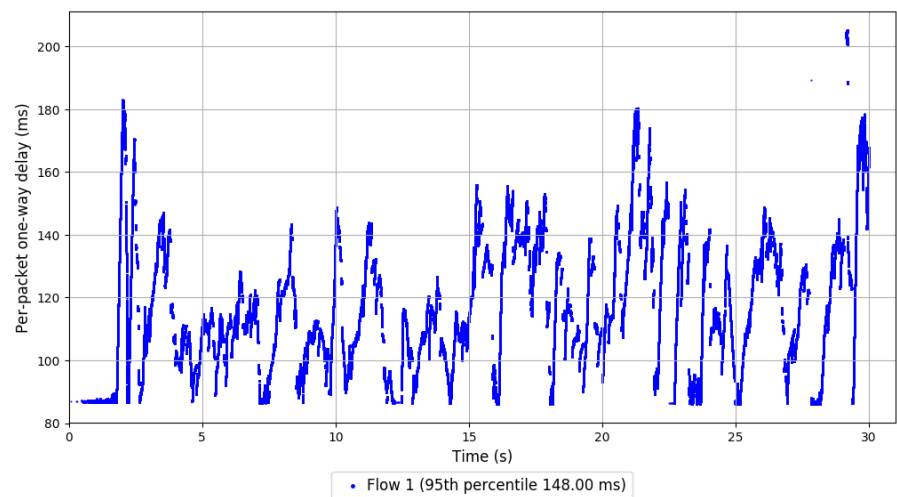
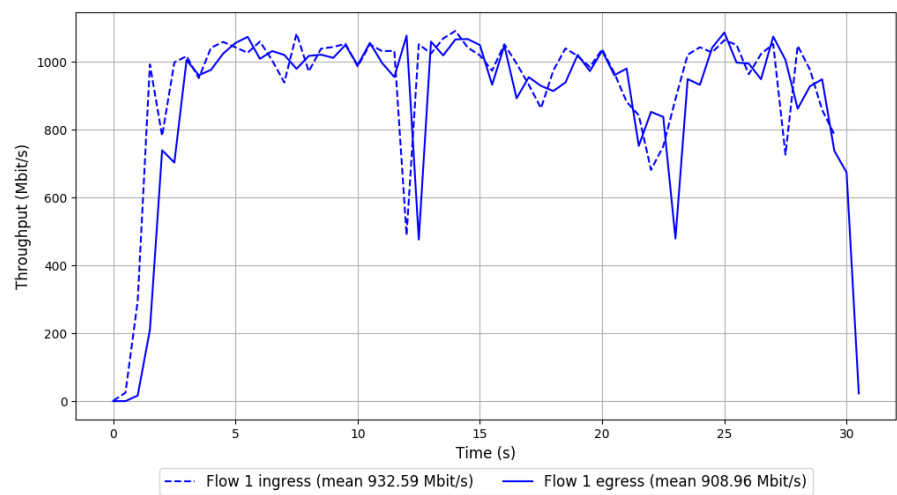


Run 6: Statistics of FillP-Sheep

Start at: 2018-08-27 21:44:42
End at: 2018-08-27 21:45:12
Local clock offset: -0.007 ms
Remote clock offset: -0.372 ms

Below is generated by plot.py at 2018-08-28 01:06:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 908.96 Mbit/s
95th percentile per-packet one-way delay: 147.995 ms
Loss rate: 2.54%
-- Flow 1:
Average throughput: 908.96 Mbit/s
95th percentile per-packet one-way delay: 147.995 ms
Loss rate: 2.54%

Run 6: Report of FillP-Sheep — Data Link

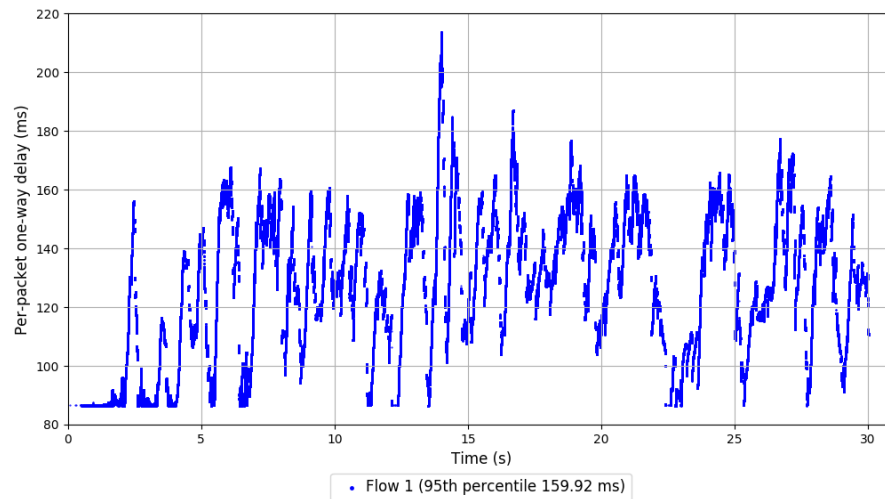
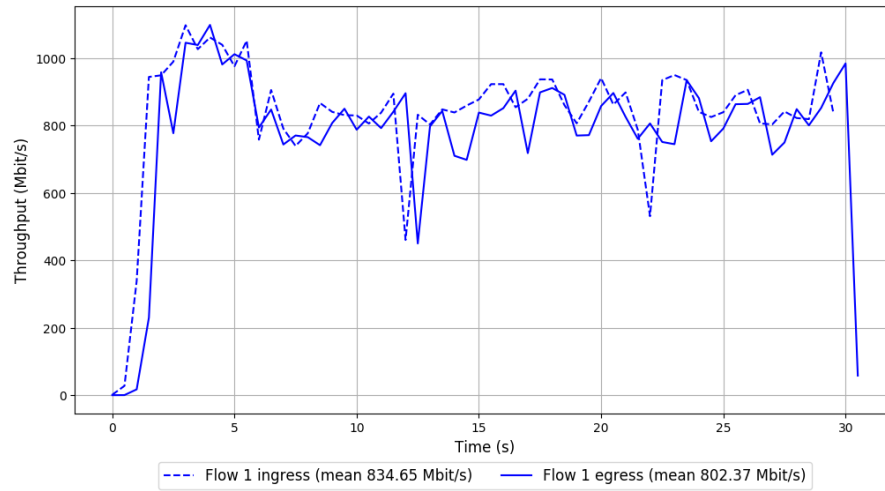


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-27 22:09:05
End at: 2018-08-27 22:09:35
Local clock offset: -0.101 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-08-28 01:11:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 802.37 Mbit/s
95th percentile per-packet one-way delay: 159.921 ms
Loss rate: 3.87%
-- Flow 1:
Average throughput: 802.37 Mbit/s
95th percentile per-packet one-way delay: 159.921 ms
Loss rate: 3.87%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-08-27 22:33:32

End at: 2018-08-27 22:34:02

Local clock offset: -0.197 ms

Remote clock offset: 0.128 ms

Below is generated by plot.py at 2018-08-28 01:15:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 947.97 Mbit/s

95th percentile per-packet one-way delay: 136.833 ms

Loss rate: 0.42%

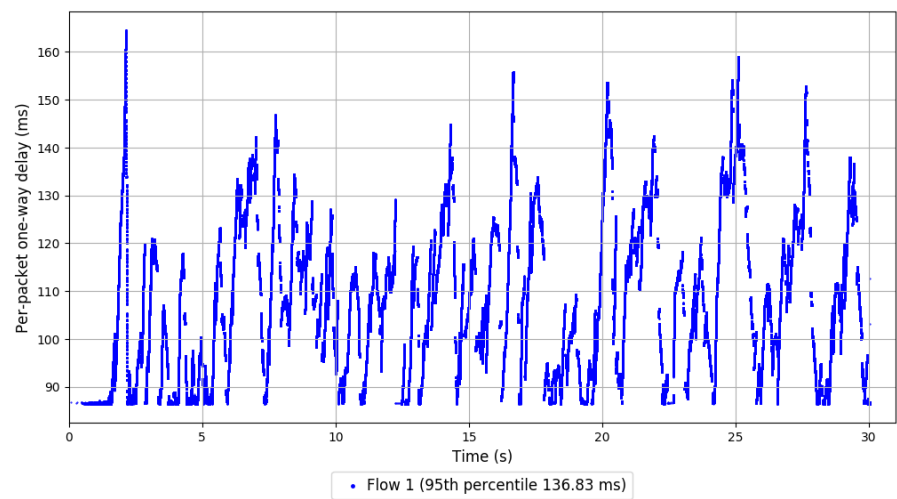
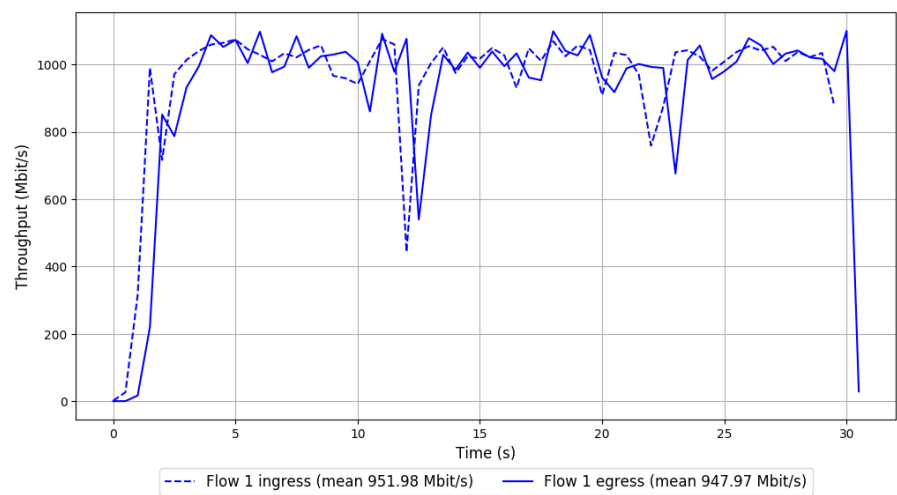
-- Flow 1:

Average throughput: 947.97 Mbit/s

95th percentile per-packet one-way delay: 136.833 ms

Loss rate: 0.42%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-08-27 22:58:09

End at: 2018-08-27 22:58:39

Local clock offset: -0.127 ms

Remote clock offset: 0.271 ms

Below is generated by plot.py at 2018-08-28 01:16:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 806.49 Mbit/s

95th percentile per-packet one-way delay: 160.394 ms

Loss rate: 5.68%

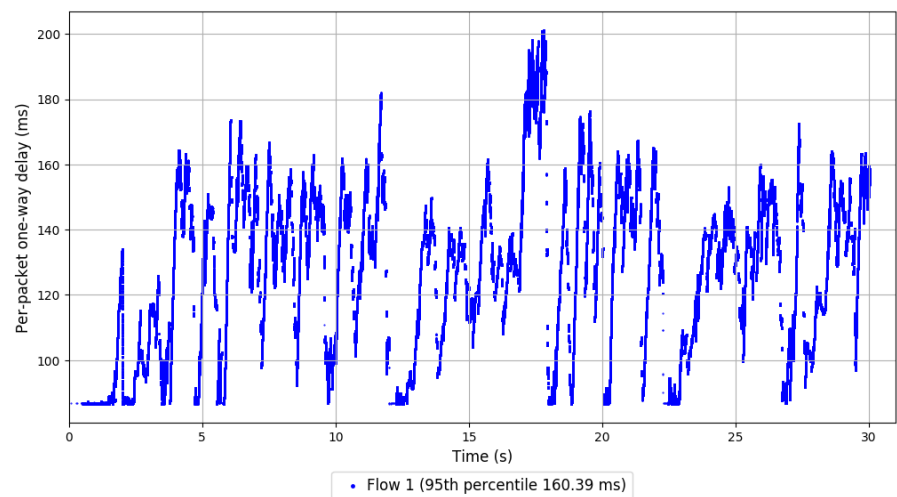
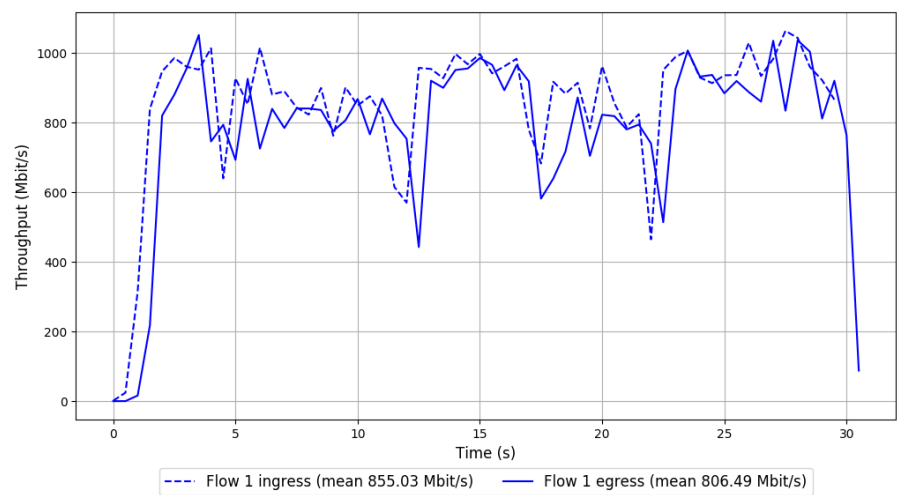
-- Flow 1:

Average throughput: 806.49 Mbit/s

95th percentile per-packet one-way delay: 160.394 ms

Loss rate: 5.68%

Run 9: Report of FillP-Sheep — Data Link

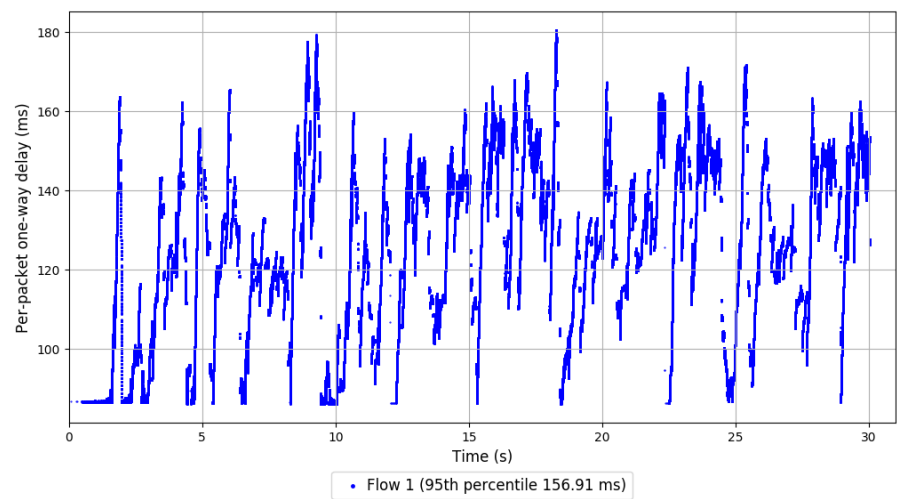
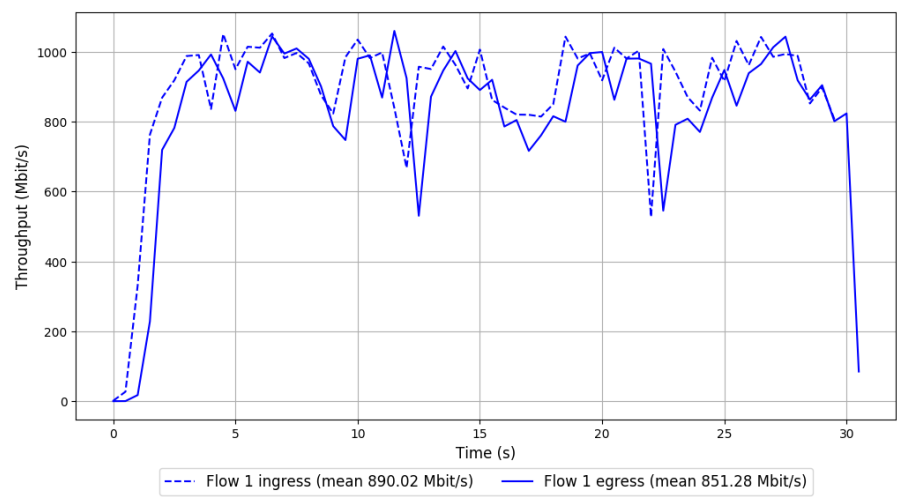


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-27 23:22:25
End at: 2018-08-27 23:22:55
Local clock offset: 0.058 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-08-28 01:20:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 851.28 Mbit/s
95th percentile per-packet one-way delay: 156.905 ms
Loss rate: 4.35%
-- Flow 1:
Average throughput: 851.28 Mbit/s
95th percentile per-packet one-way delay: 156.905 ms
Loss rate: 4.35%

Run 10: Report of FillP-Sheep — Data Link

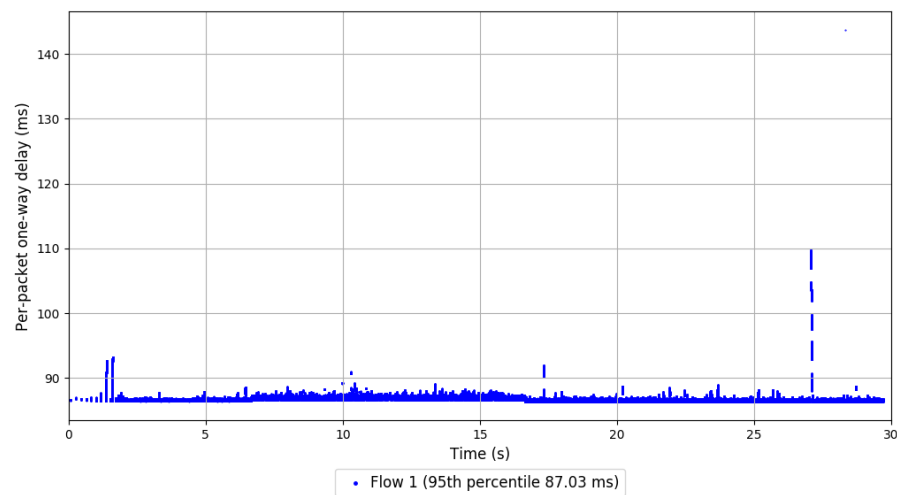
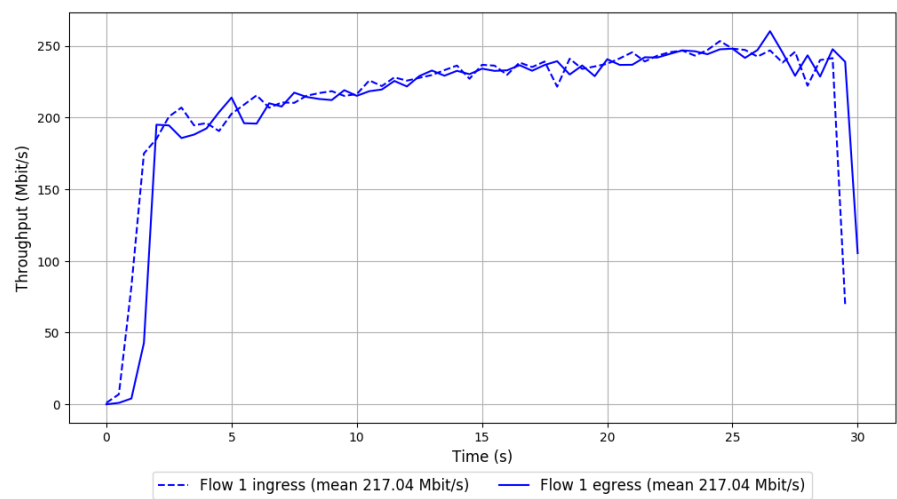


Run 1: Statistics of Indigo

Start at: 2018-08-27 19:41:51
End at: 2018-08-27 19:42:21
Local clock offset: -0.104 ms
Remote clock offset: -0.275 ms

Below is generated by plot.py at 2018-08-28 01:20:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.04 Mbit/s
95th percentile per-packet one-way delay: 87.035 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 217.04 Mbit/s
95th percentile per-packet one-way delay: 87.035 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

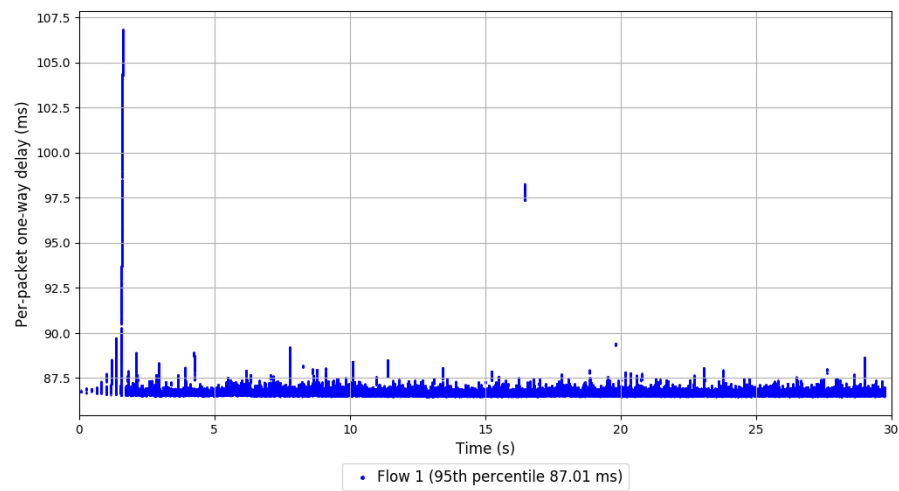
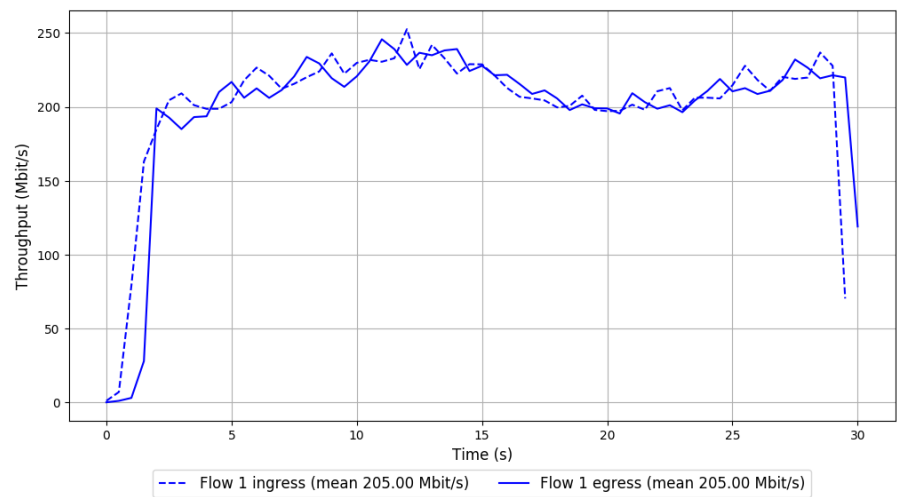


Run 2: Statistics of Indigo

Start at: 2018-08-27 20:06:11
End at: 2018-08-27 20:06:41
Local clock offset: -0.209 ms
Remote clock offset: -0.321 ms

Below is generated by plot.py at 2018-08-28 01:20:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.00 Mbit/s
95th percentile per-packet one-way delay: 87.014 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 205.00 Mbit/s
95th percentile per-packet one-way delay: 87.014 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

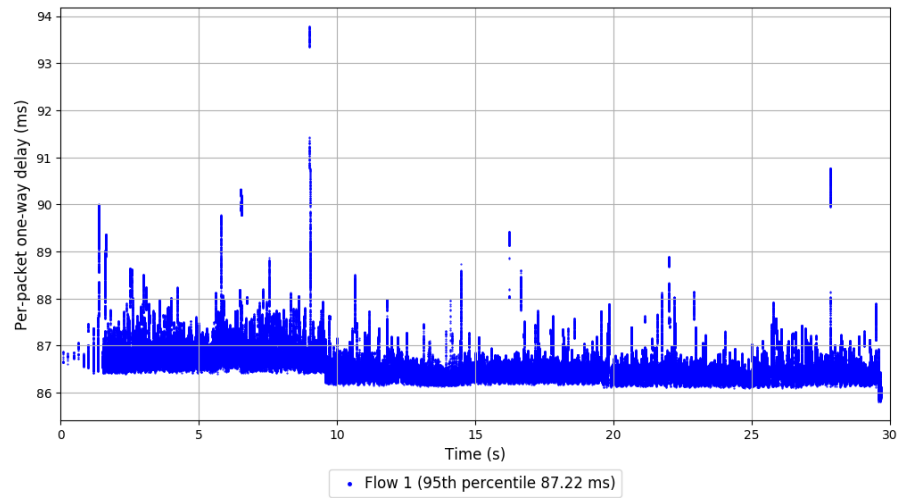
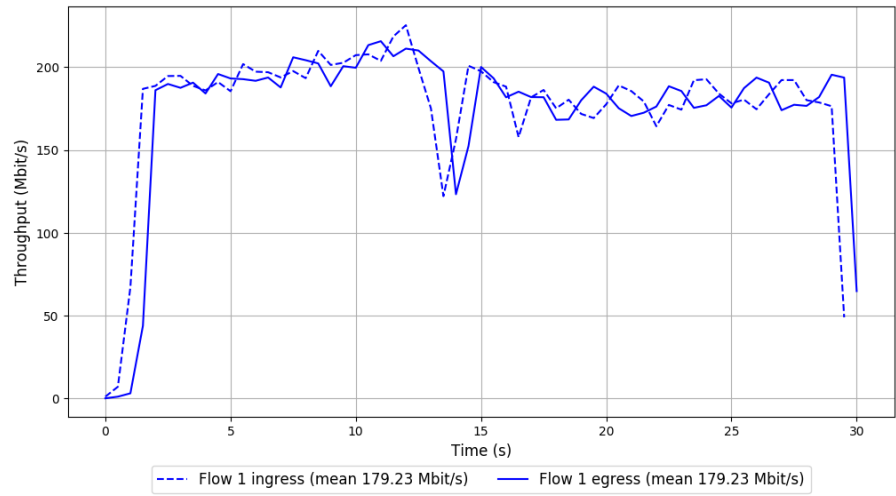


Run 3: Statistics of Indigo

Start at: 2018-08-27 20:30:28
End at: 2018-08-27 20:30:58
Local clock offset: 0.131 ms
Remote clock offset: -0.285 ms

Below is generated by plot.py at 2018-08-28 01:20:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 179.23 Mbit/s
95th percentile per-packet one-way delay: 87.219 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 179.23 Mbit/s
95th percentile per-packet one-way delay: 87.219 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

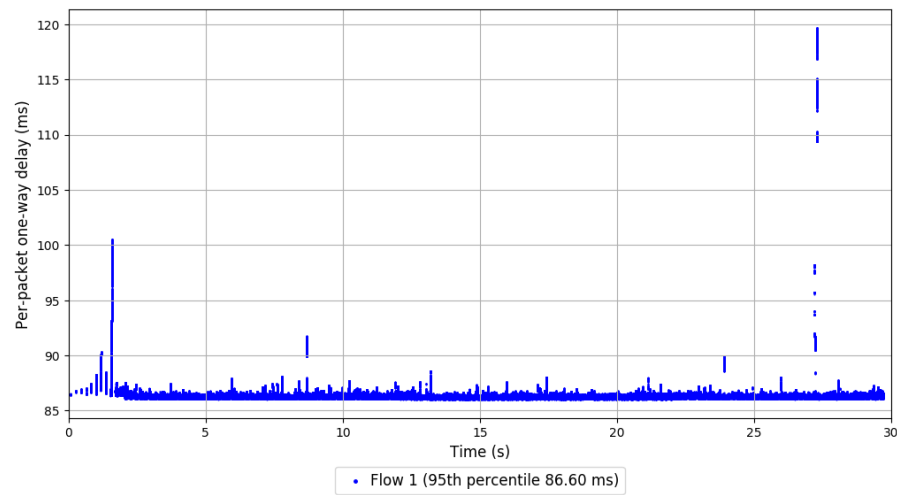
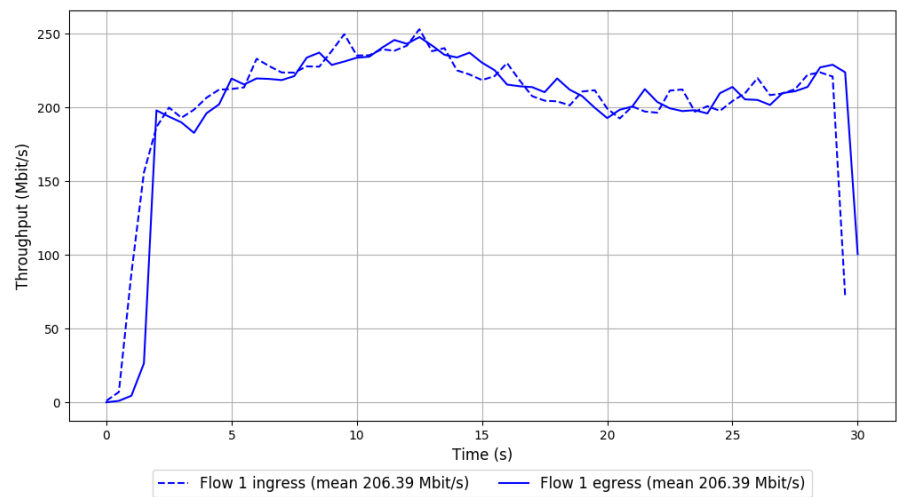


Run 4: Statistics of Indigo

Start at: 2018-08-27 20:54:25
End at: 2018-08-27 20:54:55
Local clock offset: -0.036 ms
Remote clock offset: -0.352 ms

Below is generated by plot.py at 2018-08-28 01:20:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 206.39 Mbit/s
95th percentile per-packet one-way delay: 86.603 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 206.39 Mbit/s
95th percentile per-packet one-way delay: 86.603 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

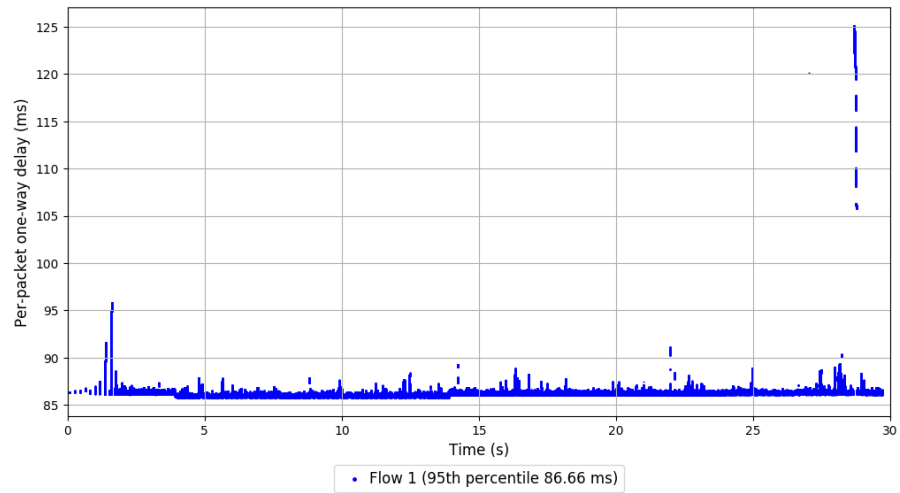
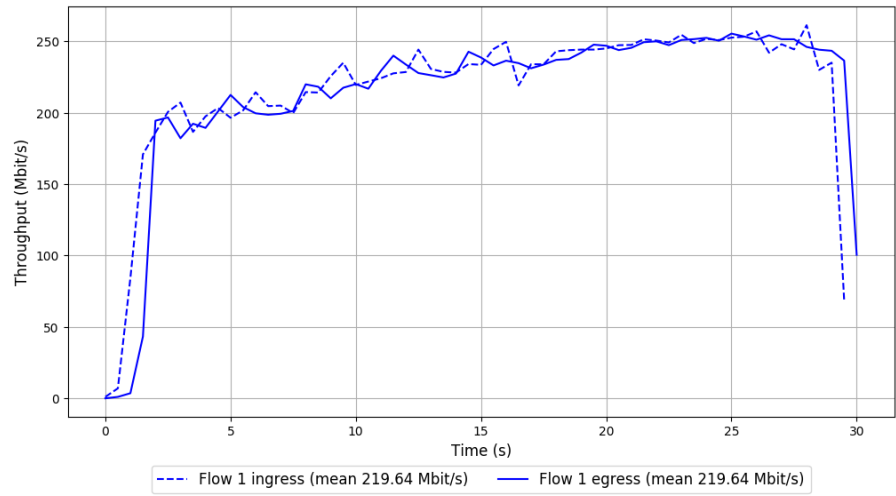


Run 5: Statistics of Indigo

Start at: 2018-08-27 21:18:43
End at: 2018-08-27 21:19:13
Local clock offset: 0.217 ms
Remote clock offset: -0.382 ms

Below is generated by plot.py at 2018-08-28 01:20:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.64 Mbit/s
95th percentile per-packet one-way delay: 86.655 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 219.64 Mbit/s
95th percentile per-packet one-way delay: 86.655 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

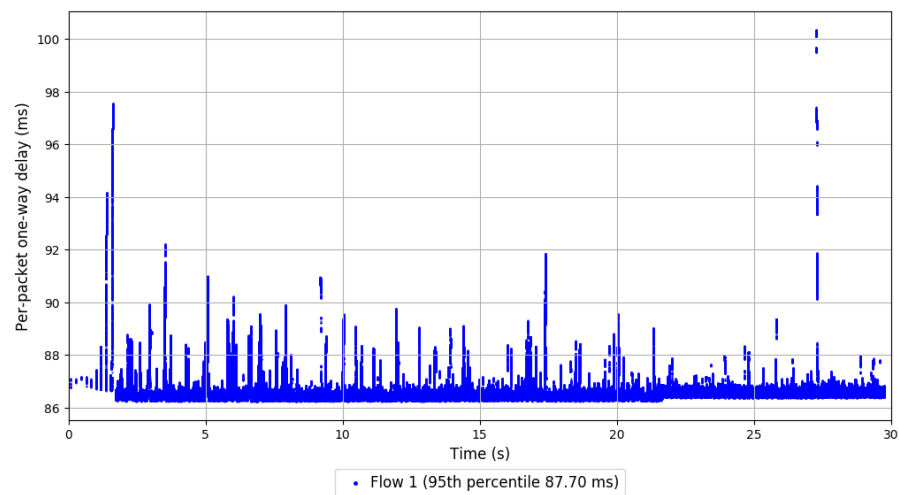
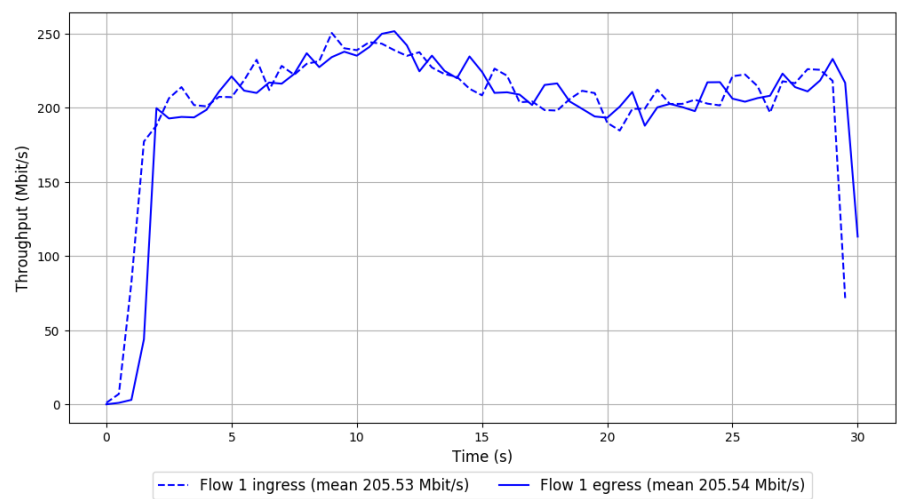


Run 6: Statistics of Indigo

Start at: 2018-08-27 21:43:16
End at: 2018-08-27 21:43:46
Local clock offset: -0.013 ms
Remote clock offset: -0.387 ms

Below is generated by plot.py at 2018-08-28 01:20:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.54 Mbit/s
95th percentile per-packet one-way delay: 87.698 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 205.54 Mbit/s
95th percentile per-packet one-way delay: 87.698 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

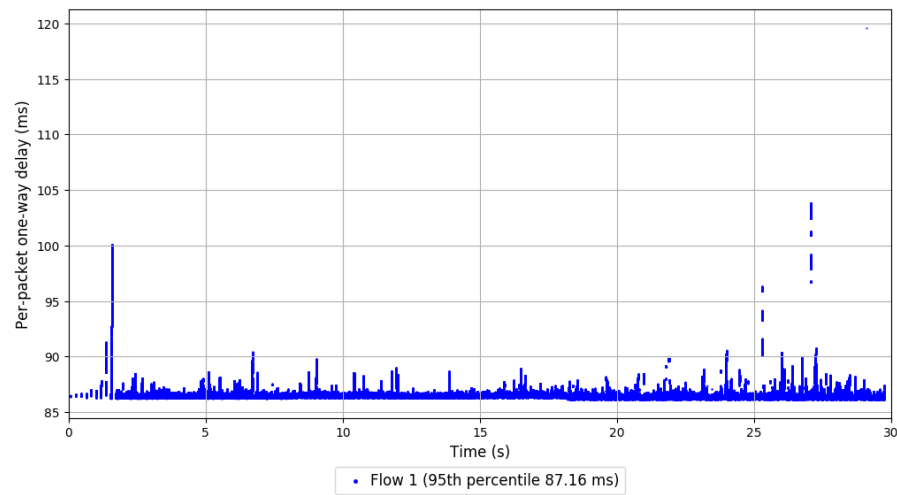
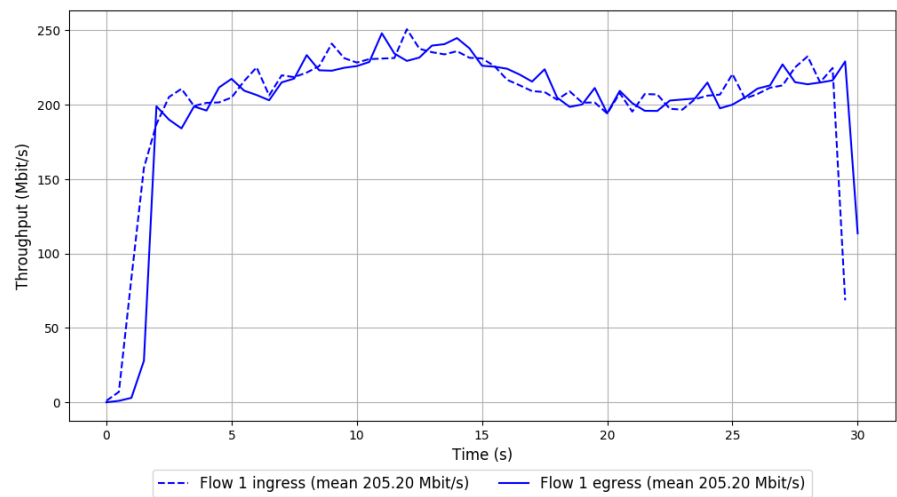


Run 7: Statistics of Indigo

Start at: 2018-08-27 22:07:39
End at: 2018-08-27 22:08:09
Local clock offset: 0.017 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-08-28 01:20:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.20 Mbit/s
95th percentile per-packet one-way delay: 87.162 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 205.20 Mbit/s
95th percentile per-packet one-way delay: 87.162 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-08-27 22:32:07

End at: 2018-08-27 22:32:37

Local clock offset: -0.255 ms

Remote clock offset: 0.12 ms

Below is generated by plot.py at 2018-08-28 01:20:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 197.31 Mbit/s

95th percentile per-packet one-way delay: 87.207 ms

Loss rate: 0.00%

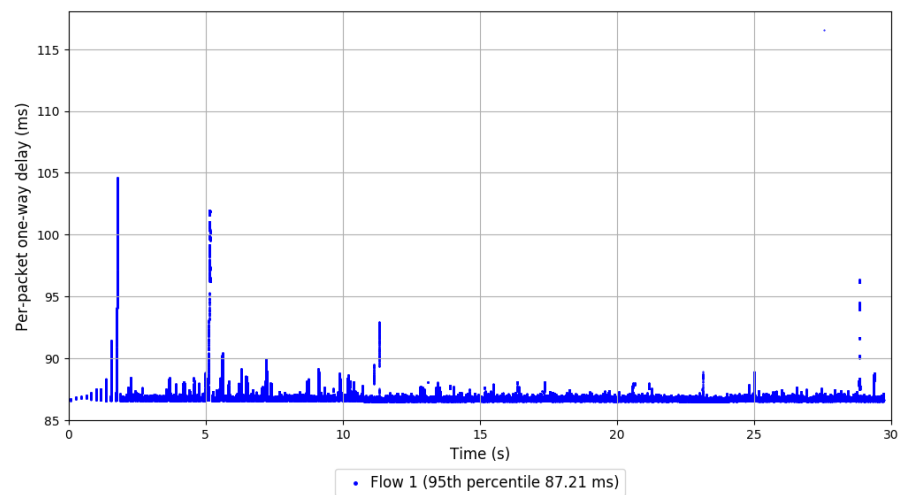
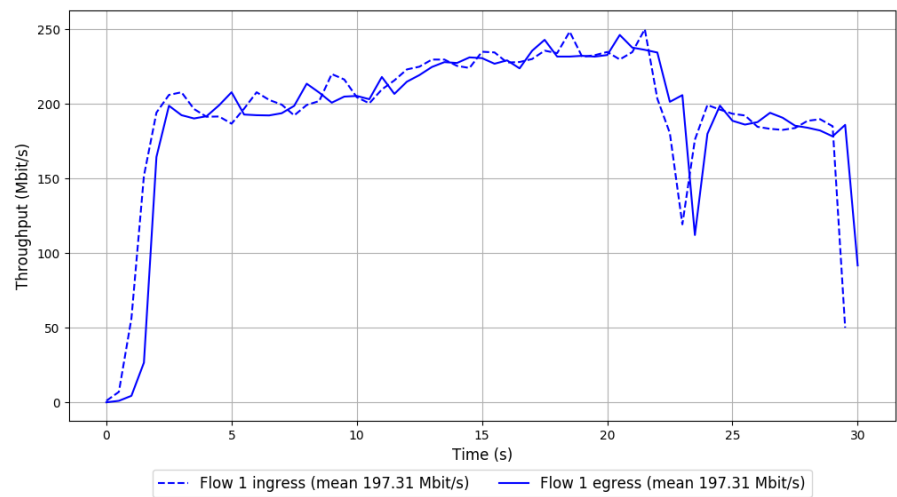
-- Flow 1:

Average throughput: 197.31 Mbit/s

95th percentile per-packet one-way delay: 87.207 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-08-27 22:56:44

End at: 2018-08-27 22:57:14

Local clock offset: -0.262 ms

Remote clock offset: 0.214 ms

Below is generated by plot.py at 2018-08-28 01:20:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 197.69 Mbit/s

95th percentile per-packet one-way delay: 87.312 ms

Loss rate: 0.00%

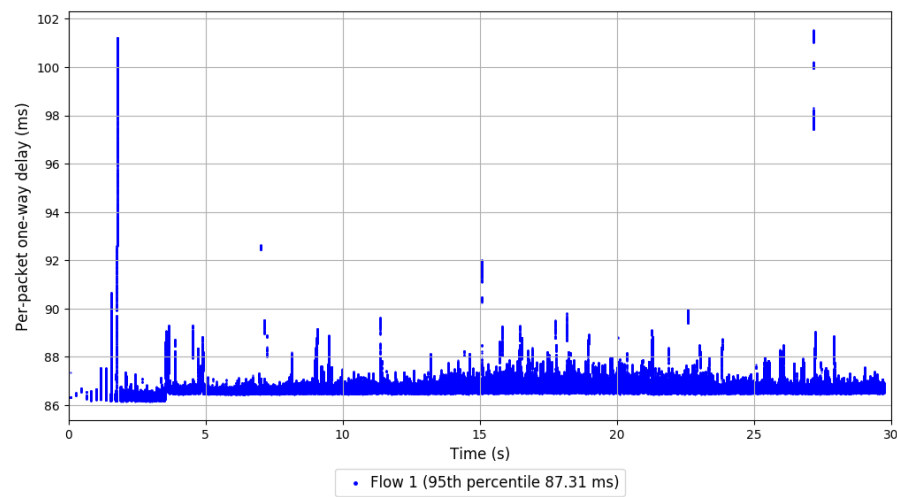
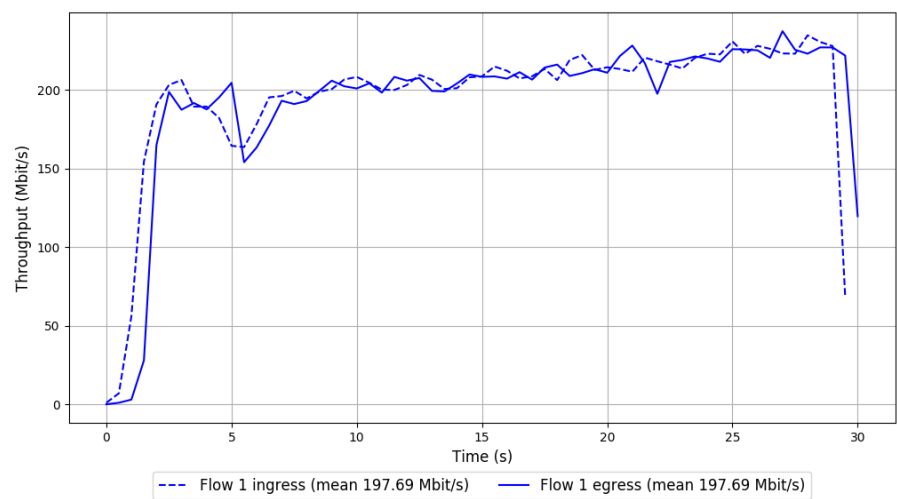
-- Flow 1:

Average throughput: 197.69 Mbit/s

95th percentile per-packet one-way delay: 87.312 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-08-27 23:20:58

End at: 2018-08-27 23:21:28

Local clock offset: -0.03 ms

Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-08-28 01:21:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.40 Mbit/s

95th percentile per-packet one-way delay: 86.919 ms

Loss rate: 0.00%

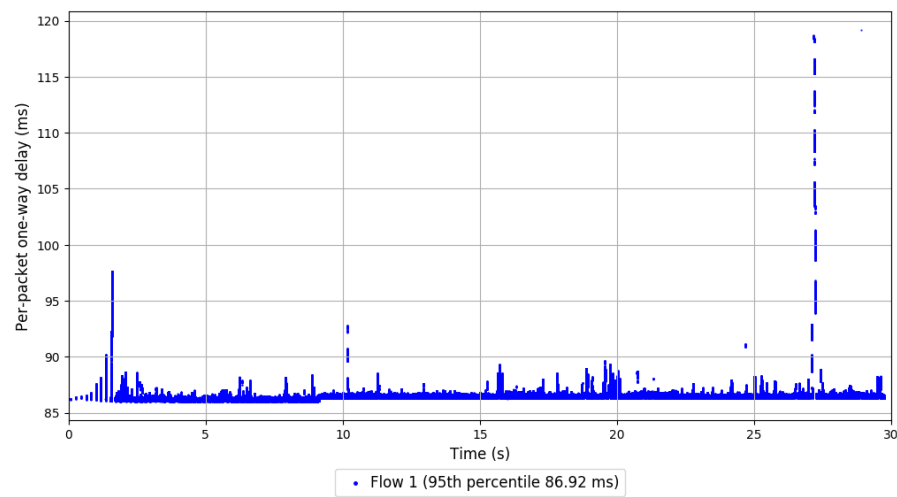
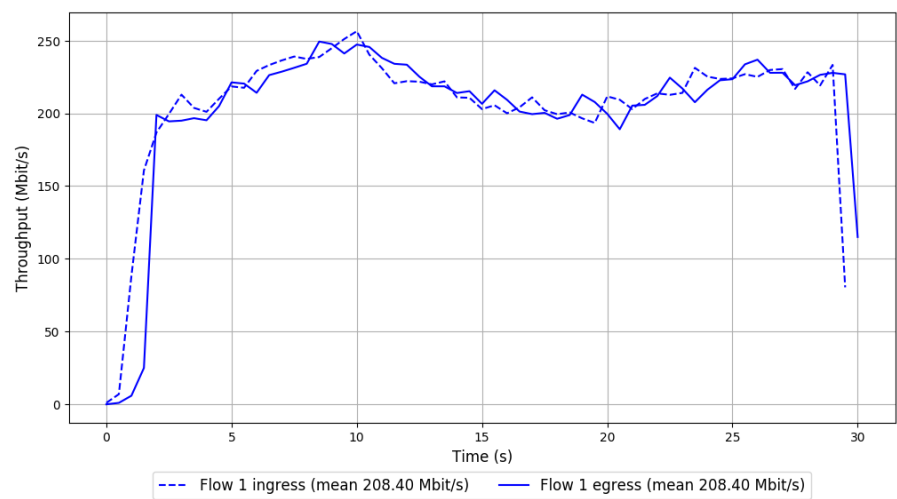
-- Flow 1:

Average throughput: 208.40 Mbit/s

95th percentile per-packet one-way delay: 86.919 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

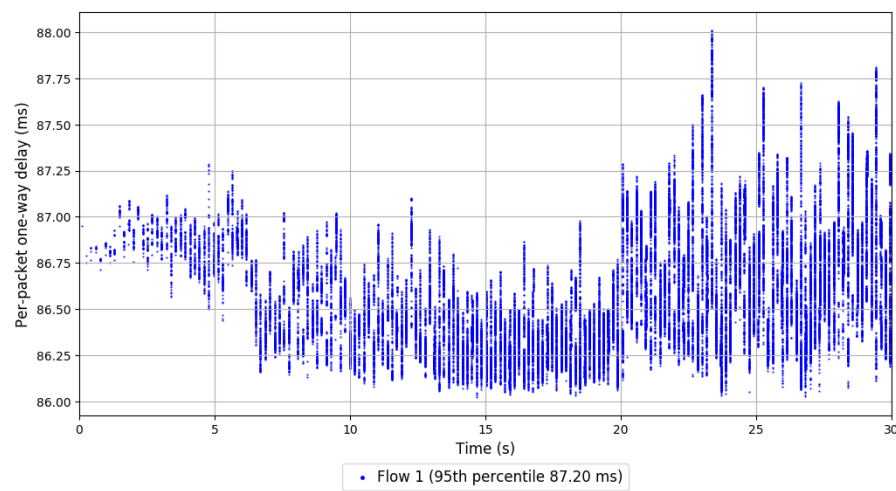
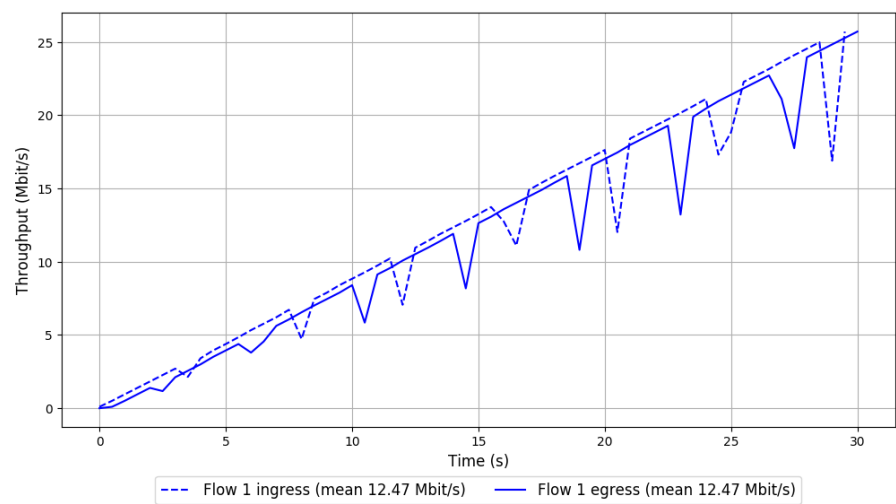


Run 1: Statistics of LEDBAT

Start at: 2018-08-27 19:46:21
End at: 2018-08-27 19:46:51
Local clock offset: -0.032 ms
Remote clock offset: -0.237 ms

Below is generated by plot.py at 2018-08-28 01:21:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.47 Mbit/s
95th percentile per-packet one-way delay: 87.203 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.47 Mbit/s
95th percentile per-packet one-way delay: 87.203 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link

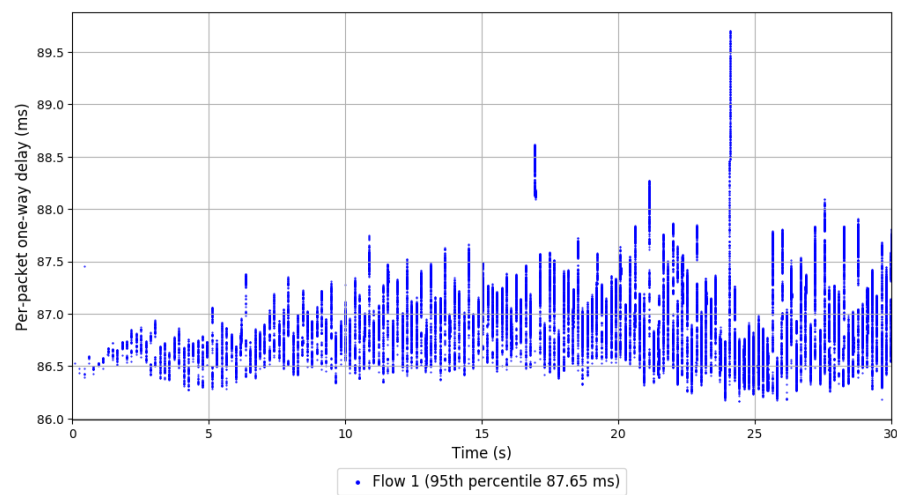
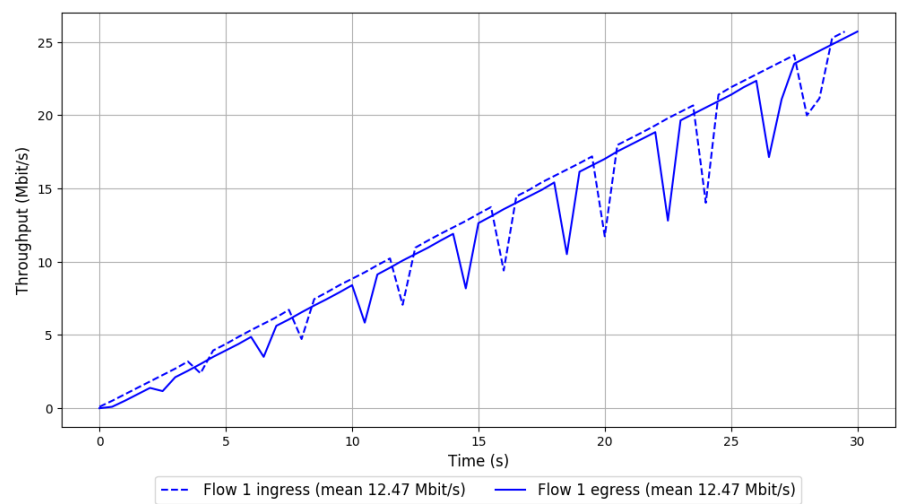


Run 2: Statistics of LEDBAT

Start at: 2018-08-27 20:10:46
End at: 2018-08-27 20:11:16
Local clock offset: 0.163 ms
Remote clock offset: -0.247 ms

Below is generated by plot.py at 2018-08-28 01:21:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.47 Mbit/s
95th percentile per-packet one-way delay: 87.646 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.47 Mbit/s
95th percentile per-packet one-way delay: 87.646 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-08-27 20:34:54

End at: 2018-08-27 20:35:24

Local clock offset: -0.068 ms

Remote clock offset: -0.36 ms

Below is generated by plot.py at 2018-08-28 01:21:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.47 Mbit/s

95th percentile per-packet one-way delay: 87.644 ms

Loss rate: 0.00%

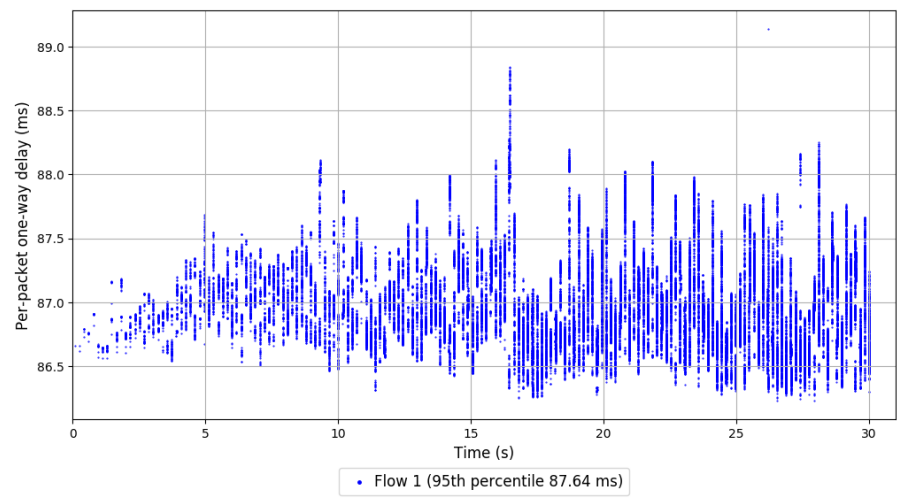
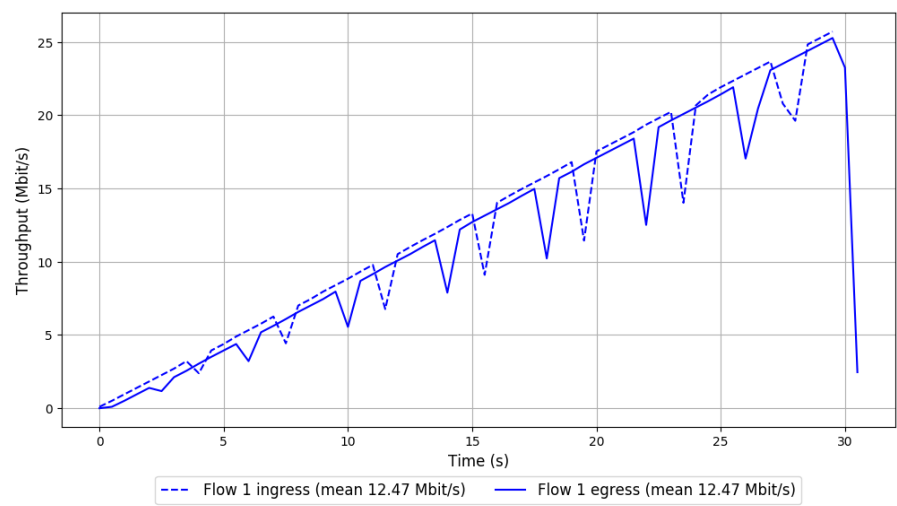
-- Flow 1:

Average throughput: 12.47 Mbit/s

95th percentile per-packet one-way delay: 87.644 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

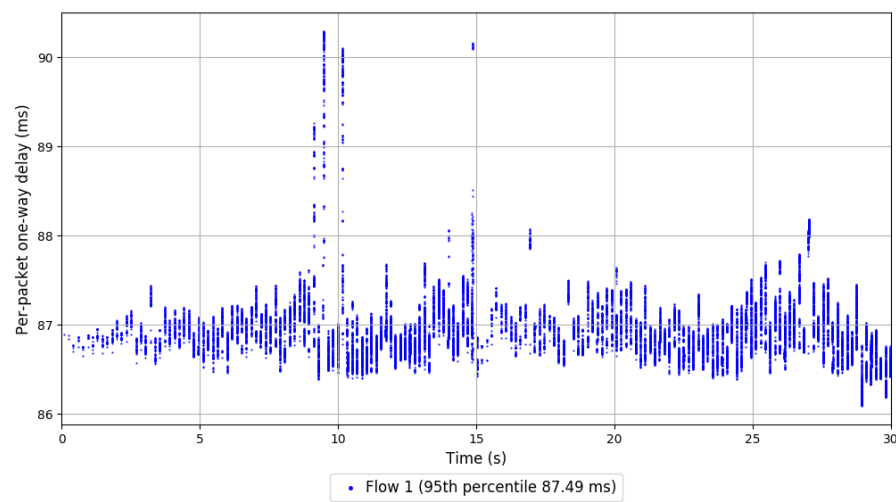
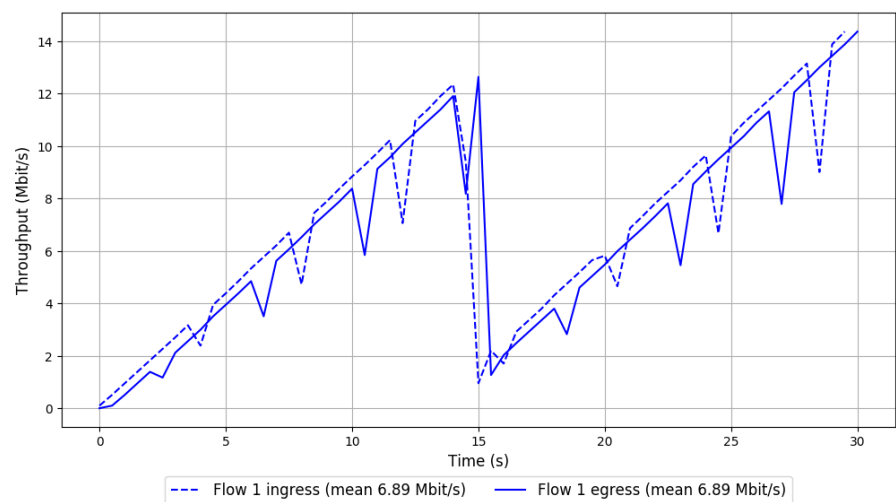


Run 4: Statistics of LEDBAT

Start at: 2018-08-27 20:59:09
End at: 2018-08-27 20:59:39
Local clock offset: -0.043 ms
Remote clock offset: -0.333 ms

Below is generated by plot.py at 2018-08-28 01:21:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.89 Mbit/s
95th percentile per-packet one-way delay: 87.489 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.89 Mbit/s
95th percentile per-packet one-way delay: 87.489 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

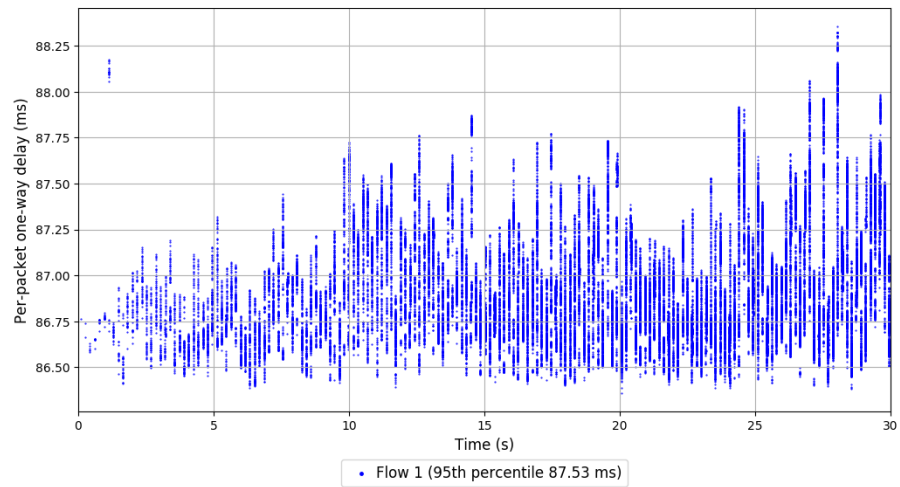
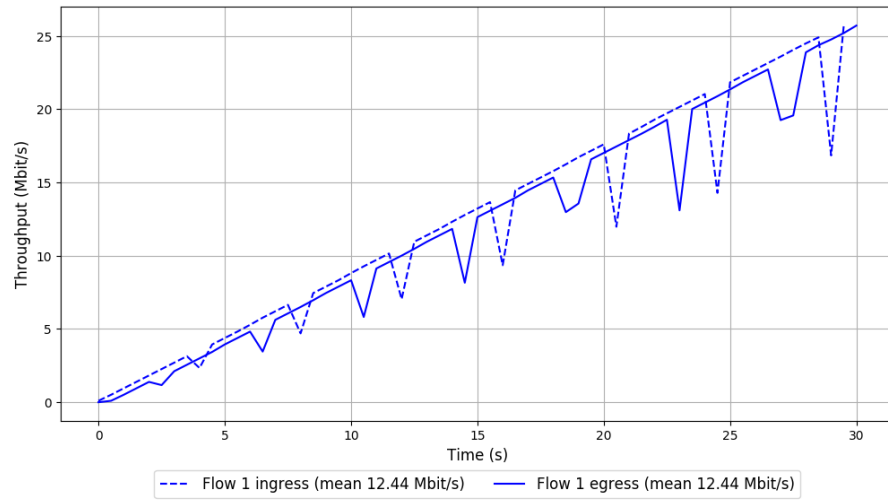


Run 5: Statistics of LEDBAT

Start at: 2018-08-27 21:23:25
End at: 2018-08-27 21:23:55
Local clock offset: -0.017 ms
Remote clock offset: -0.346 ms

Below is generated by plot.py at 2018-08-28 01:21:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.44 Mbit/s
95th percentile per-packet one-way delay: 87.525 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.44 Mbit/s
95th percentile per-packet one-way delay: 87.525 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

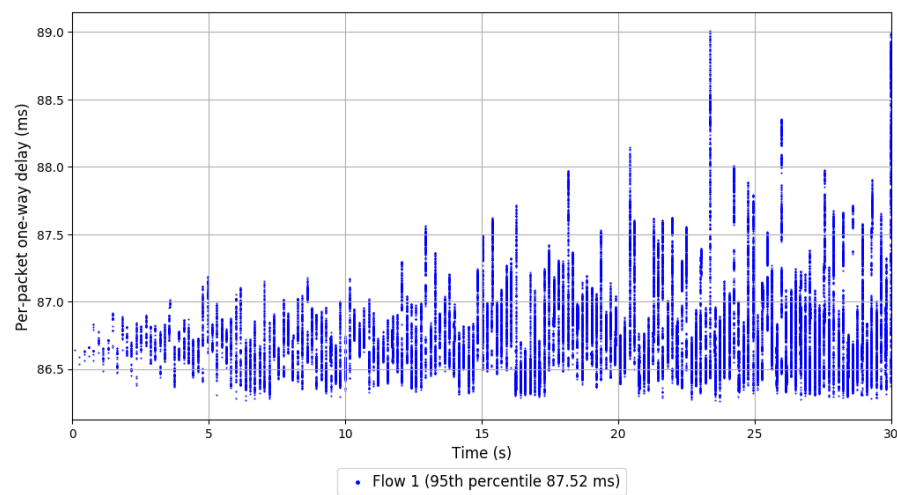
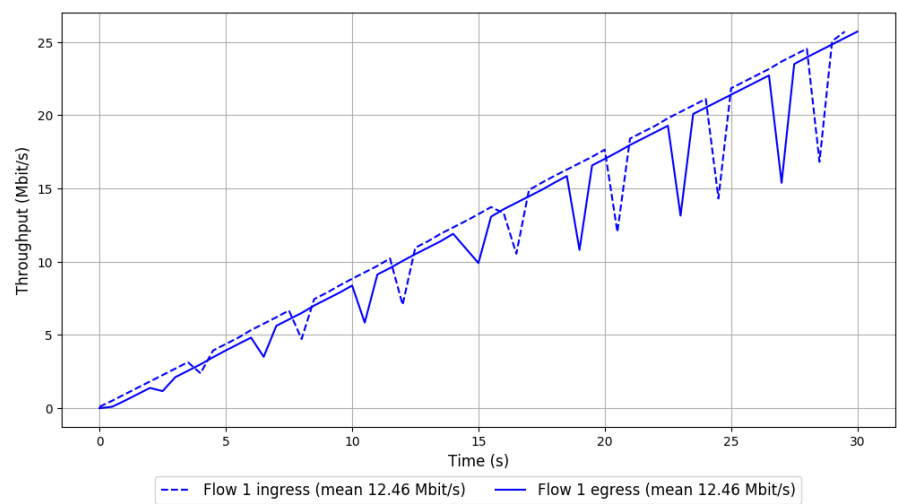


Run 6: Statistics of LEDBAT

Start at: 2018-08-27 21:47:50
End at: 2018-08-27 21:48:20
Local clock offset: -0.012 ms
Remote clock offset: -0.445 ms

Below is generated by plot.py at 2018-08-28 01:21:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.46 Mbit/s
95th percentile per-packet one-way delay: 87.521 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.46 Mbit/s
95th percentile per-packet one-way delay: 87.521 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

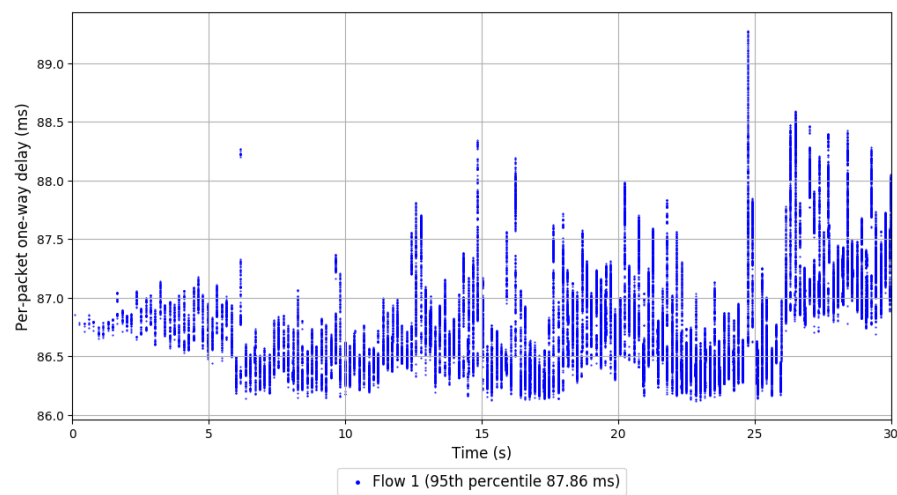
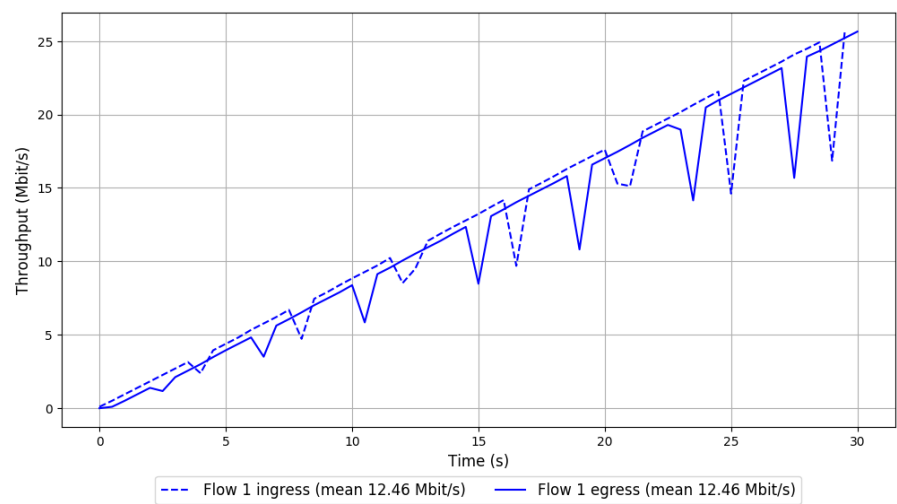


Run 7: Statistics of LEDBAT

Start at: 2018-08-27 22:12:22
End at: 2018-08-27 22:12:52
Local clock offset: -0.269 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-08-28 01:21:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.46 Mbit/s
95th percentile per-packet one-way delay: 87.858 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.46 Mbit/s
95th percentile per-packet one-way delay: 87.858 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-08-27 22:36:54

End at: 2018-08-27 22:37:24

Local clock offset: -0.172 ms

Remote clock offset: 0.118 ms

Below is generated by plot.py at 2018-08-28 01:21:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.49 Mbit/s

95th percentile per-packet one-way delay: 87.444 ms

Loss rate: 0.00%

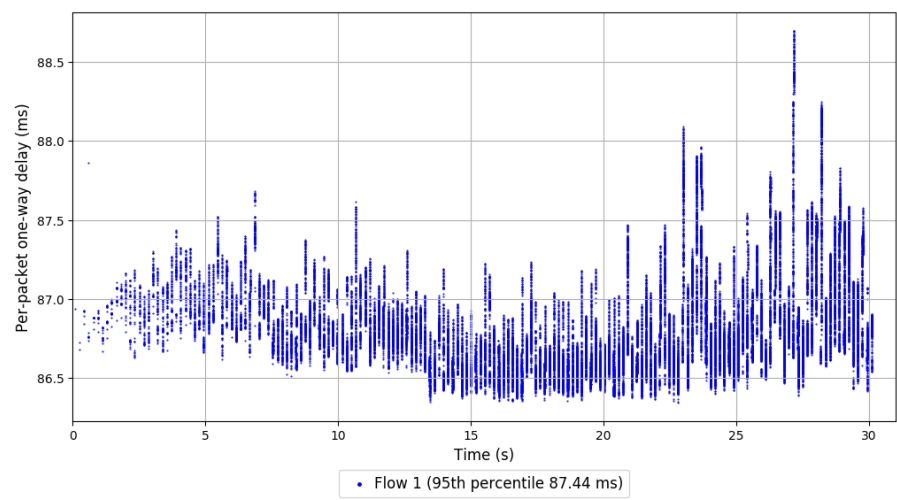
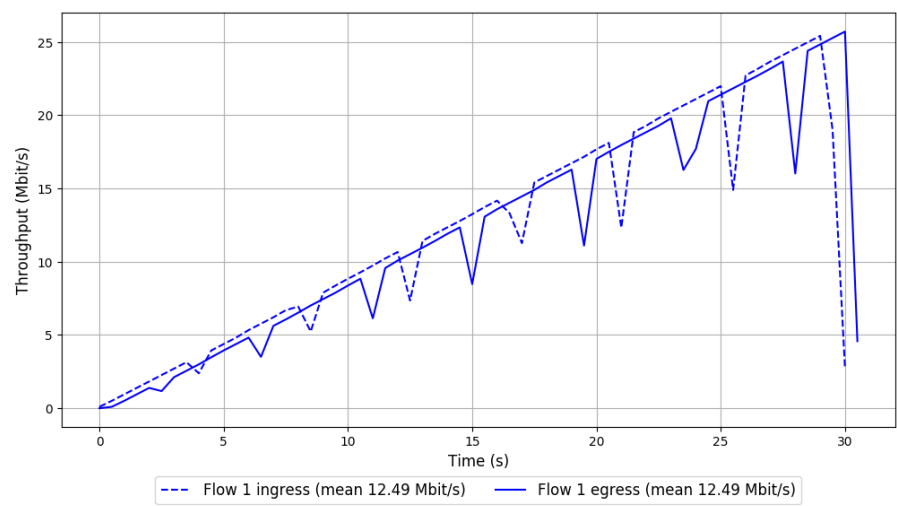
-- Flow 1:

Average throughput: 12.49 Mbit/s

95th percentile per-packet one-way delay: 87.444 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-08-27 23:01:12

End at: 2018-08-27 23:01:42

Local clock offset: 0.13 ms

Remote clock offset: 0.224 ms

Below is generated by plot.py at 2018-08-28 01:21:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.45 Mbit/s

95th percentile per-packet one-way delay: 87.317 ms

Loss rate: 0.00%

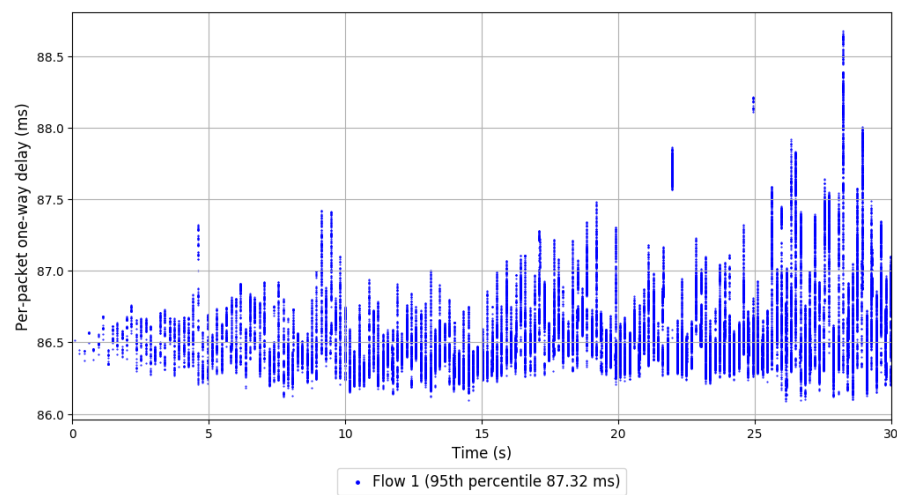
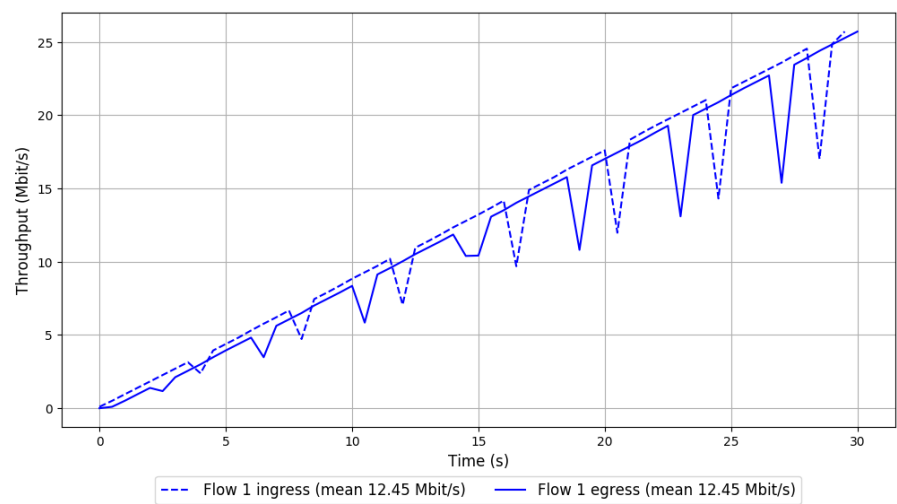
-- Flow 1:

Average throughput: 12.45 Mbit/s

95th percentile per-packet one-way delay: 87.317 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-08-27 23:25:43

End at: 2018-08-27 23:26:13

Local clock offset: 0.062 ms

Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-08-28 01:21:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.46 Mbit/s

95th percentile per-packet one-way delay: 87.968 ms

Loss rate: 0.00%

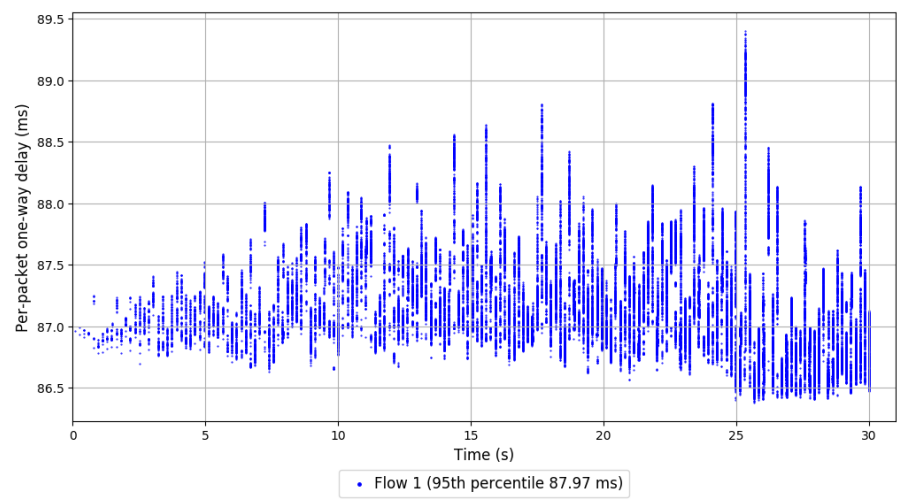
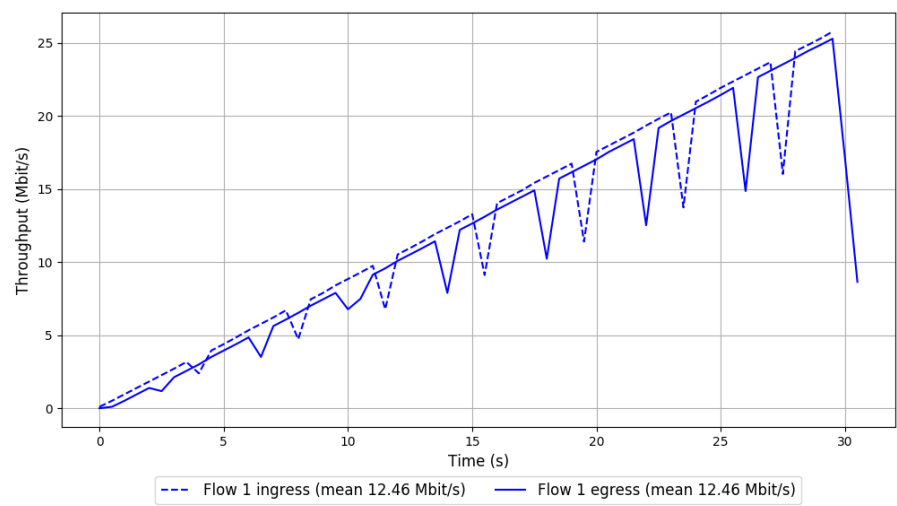
-- Flow 1:

Average throughput: 12.46 Mbit/s

95th percentile per-packet one-way delay: 87.968 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

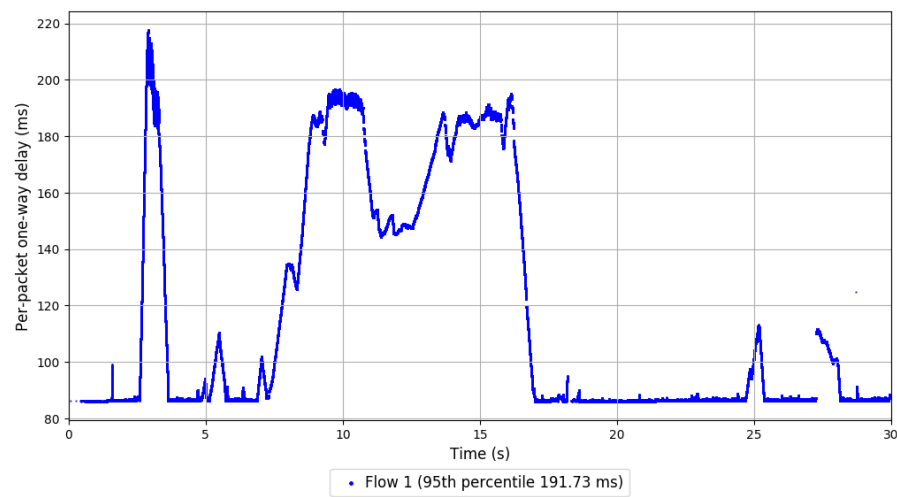
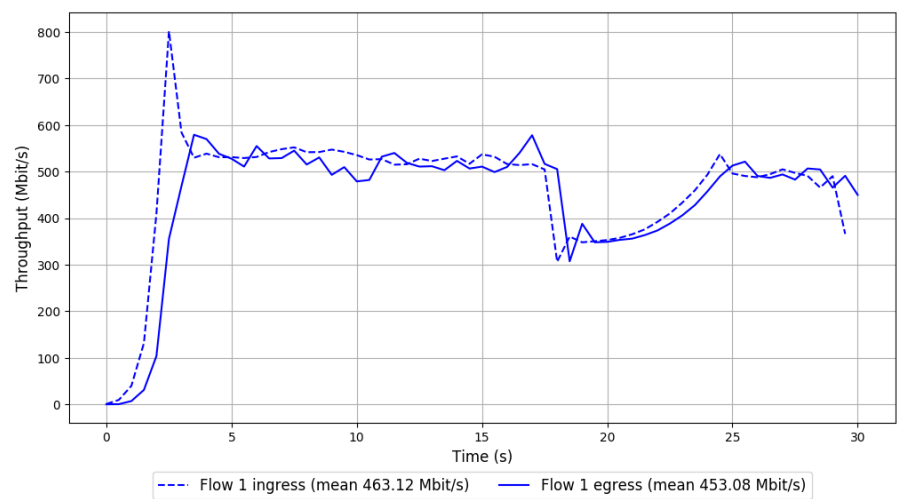


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-27 19:48:56
End at: 2018-08-27 19:49:26
Local clock offset: -0.046 ms
Remote clock offset: -0.307 ms

# Below is generated by plot.py at 2018-08-28 01:32:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 453.08 Mbit/s
95th percentile per-packet one-way delay: 191.728 ms
Loss rate: 2.16%
-- Flow 1:
Average throughput: 453.08 Mbit/s
95th percentile per-packet one-way delay: 191.728 ms
Loss rate: 2.16%
```

Run 1: Report of PCC-Allegro — Data Link

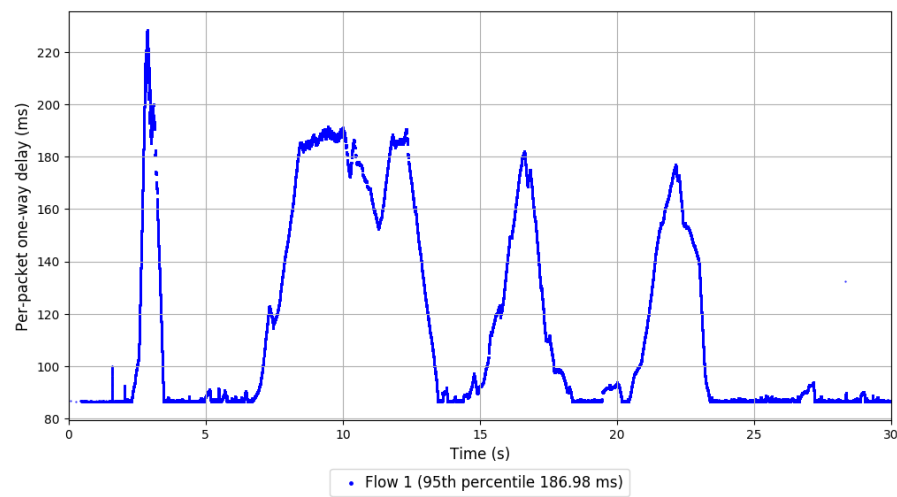
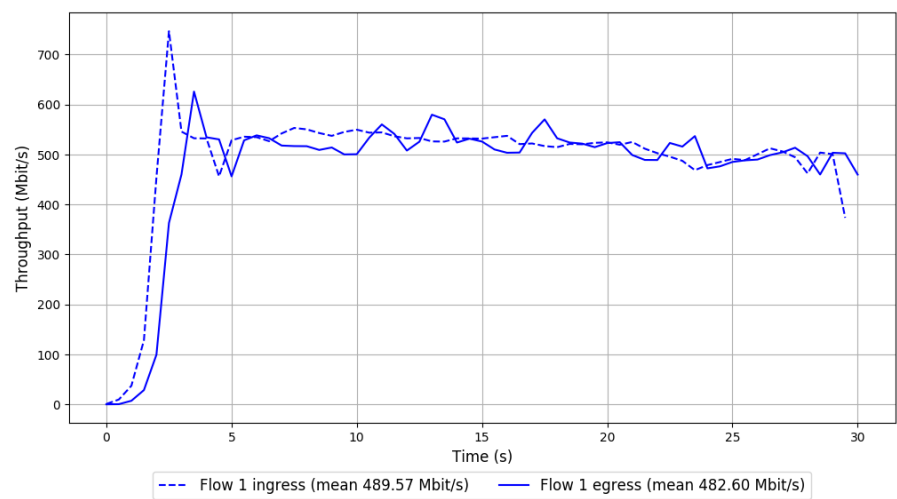


Run 2: Statistics of PCC-Allegro

Start at: 2018-08-27 20:13:18
End at: 2018-08-27 20:13:48
Local clock offset: -0.014 ms
Remote clock offset: -0.313 ms

Below is generated by plot.py at 2018-08-28 01:33:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 482.60 Mbit/s
95th percentile per-packet one-way delay: 186.976 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 482.60 Mbit/s
95th percentile per-packet one-way delay: 186.976 ms
Loss rate: 1.42%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-27 20:37:20

End at: 2018-08-27 20:37:50

Local clock offset: 0.081 ms

Remote clock offset: -0.358 ms

Below is generated by plot.py at 2018-08-28 01:33:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 425.90 Mbit/s

95th percentile per-packet one-way delay: 195.666 ms

Loss rate: 1.64%

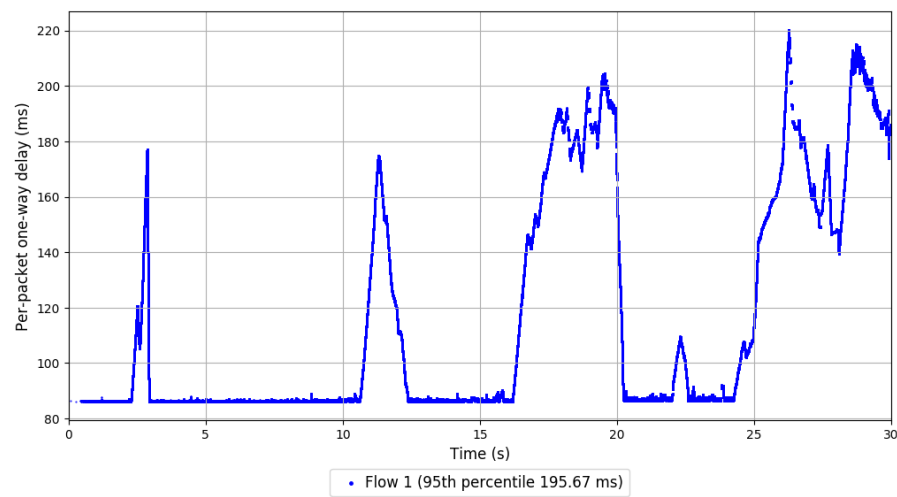
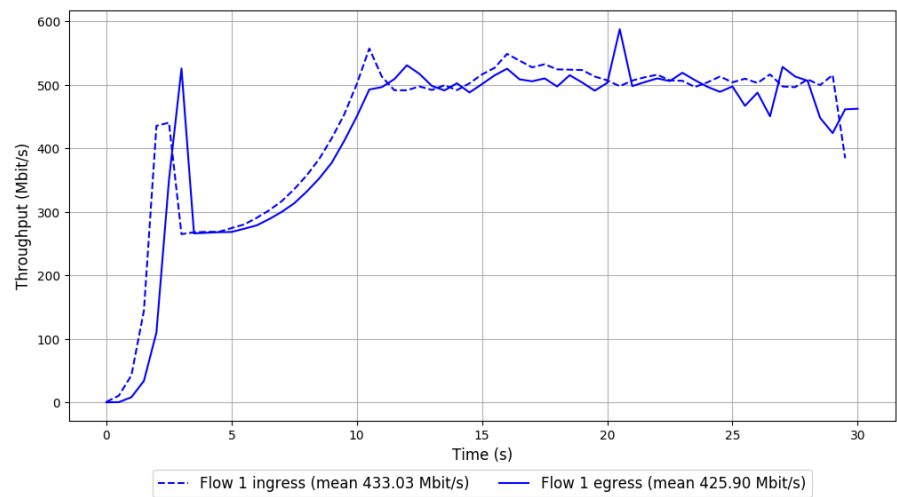
-- Flow 1:

Average throughput: 425.90 Mbit/s

95th percentile per-packet one-way delay: 195.666 ms

Loss rate: 1.64%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-27 21:01:40

End at: 2018-08-27 21:02:10

Local clock offset: 0.006 ms

Remote clock offset: -0.377 ms

Below is generated by plot.py at 2018-08-28 01:33:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 477.75 Mbit/s

95th percentile per-packet one-way delay: 137.789 ms

Loss rate: 1.31%

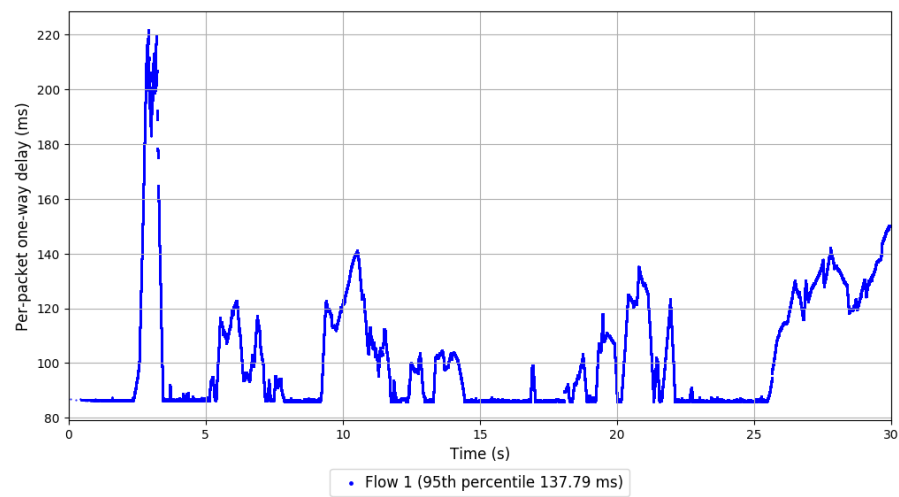
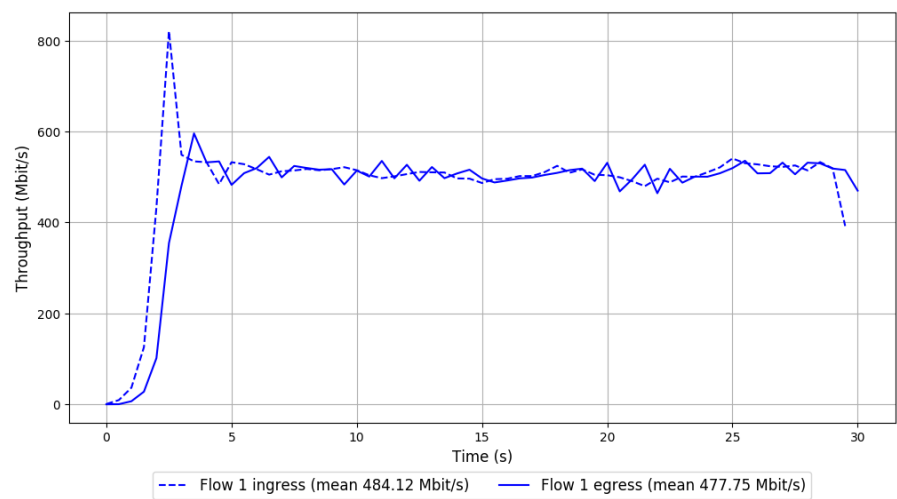
-- Flow 1:

Average throughput: 477.75 Mbit/s

95th percentile per-packet one-way delay: 137.789 ms

Loss rate: 1.31%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-27 21:25:59

End at: 2018-08-27 21:26:29

Local clock offset: 0.013 ms

Remote clock offset: -0.376 ms

Below is generated by plot.py at 2018-08-28 01:34:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 476.07 Mbit/s

95th percentile per-packet one-way delay: 168.588 ms

Loss rate: 0.29%

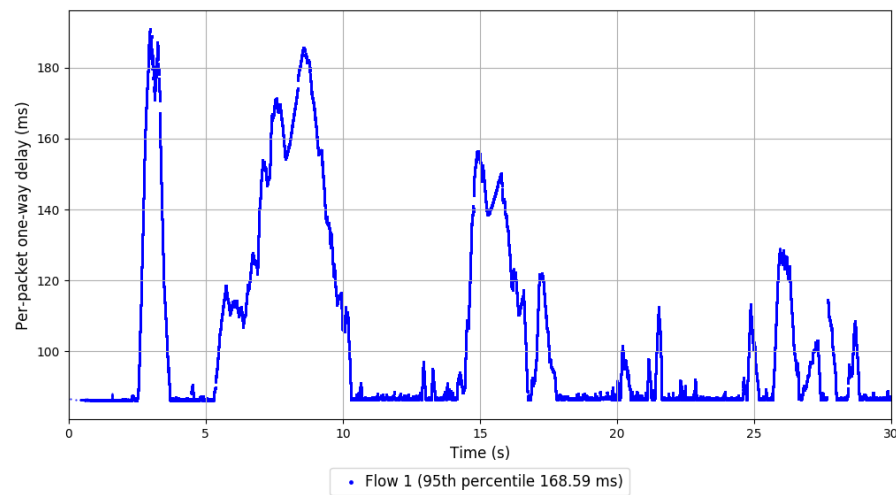
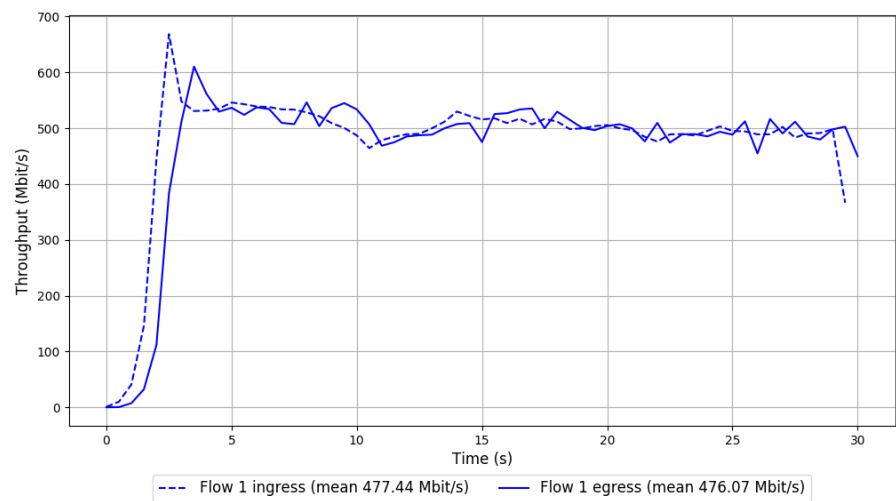
-- Flow 1:

Average throughput: 476.07 Mbit/s

95th percentile per-packet one-way delay: 168.588 ms

Loss rate: 0.29%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-27 21:50:26

End at: 2018-08-27 21:50:56

Local clock offset: 0.017 ms

Remote clock offset: -0.436 ms

Below is generated by plot.py at 2018-08-28 01:36:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 476.81 Mbit/s

95th percentile per-packet one-way delay: 174.852 ms

Loss rate: 0.50%

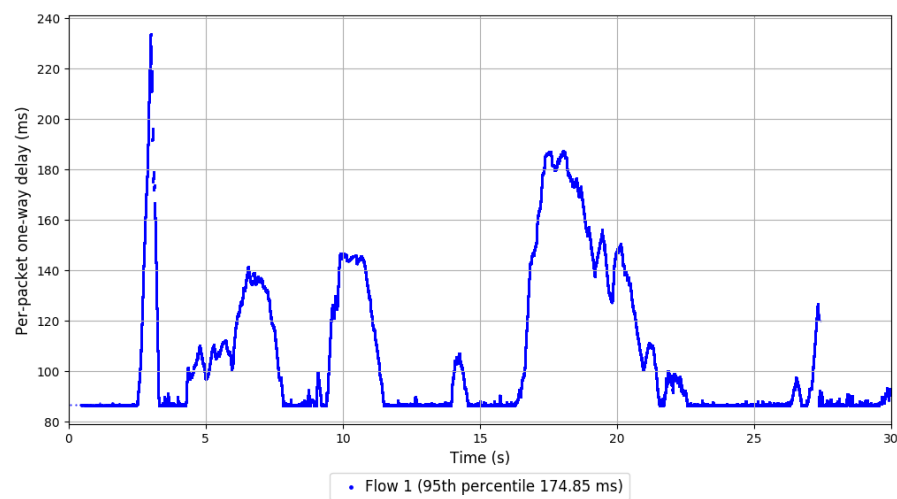
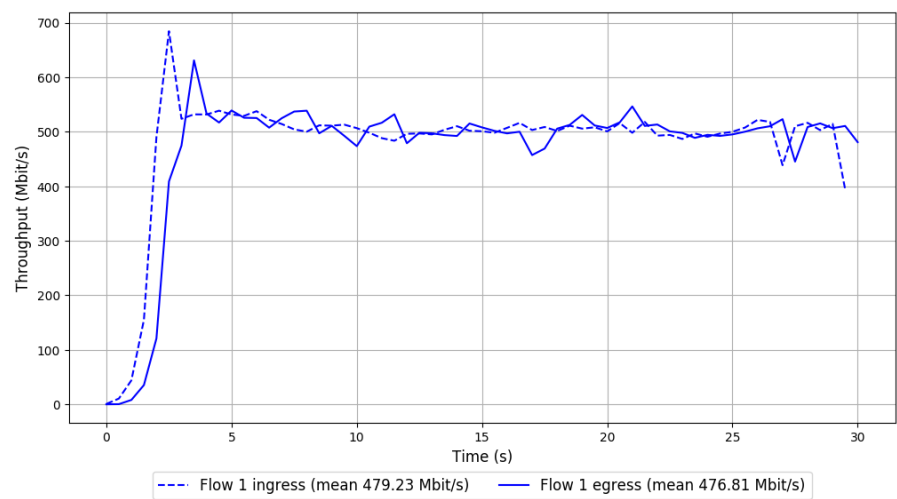
-- Flow 1:

Average throughput: 476.81 Mbit/s

95th percentile per-packet one-way delay: 174.852 ms

Loss rate: 0.50%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-08-27 22:14:52

End at: 2018-08-27 22:15:22

Local clock offset: -0.128 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-08-28 01:36:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 459.51 Mbit/s

95th percentile per-packet one-way delay: 192.069 ms

Loss rate: 2.01%

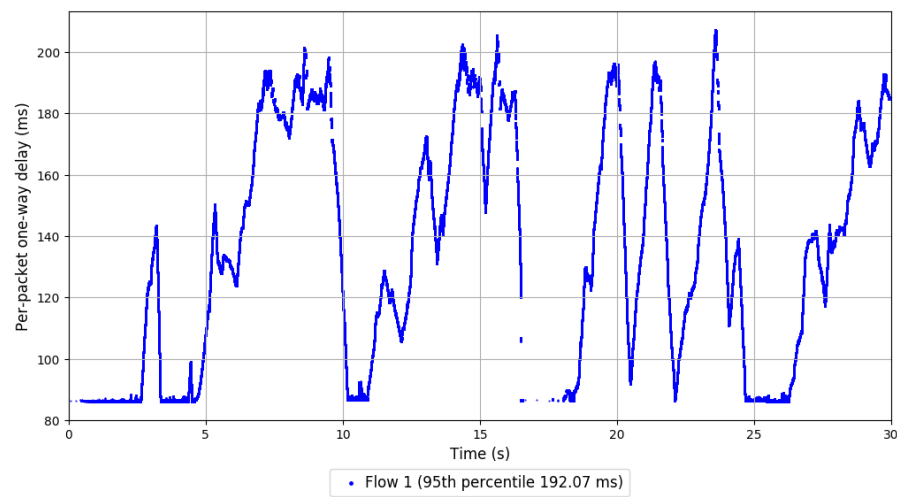
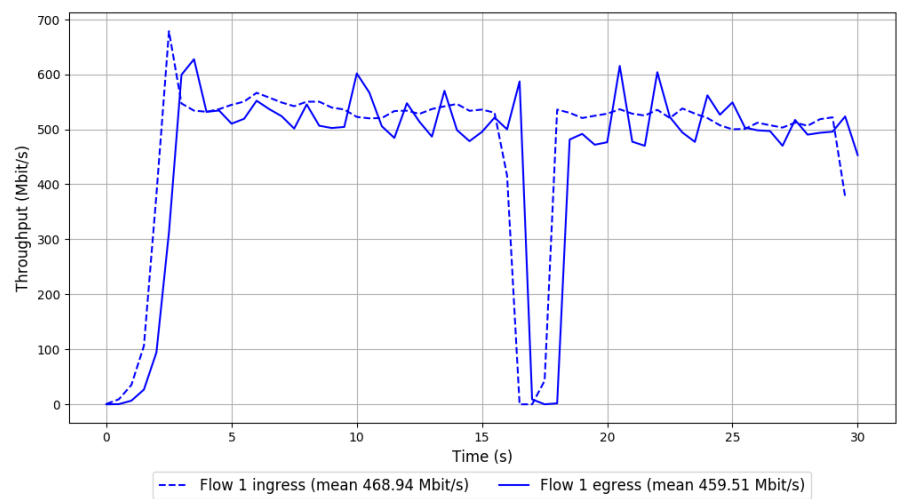
-- Flow 1:

Average throughput: 459.51 Mbit/s

95th percentile per-packet one-way delay: 192.069 ms

Loss rate: 2.01%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-27 22:39:28

End at: 2018-08-27 22:39:58

Local clock offset: -0.237 ms

Remote clock offset: 0.114 ms

Below is generated by plot.py at 2018-08-28 01:37:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 471.81 Mbit/s

95th percentile per-packet one-way delay: 193.269 ms

Loss rate: 0.96%

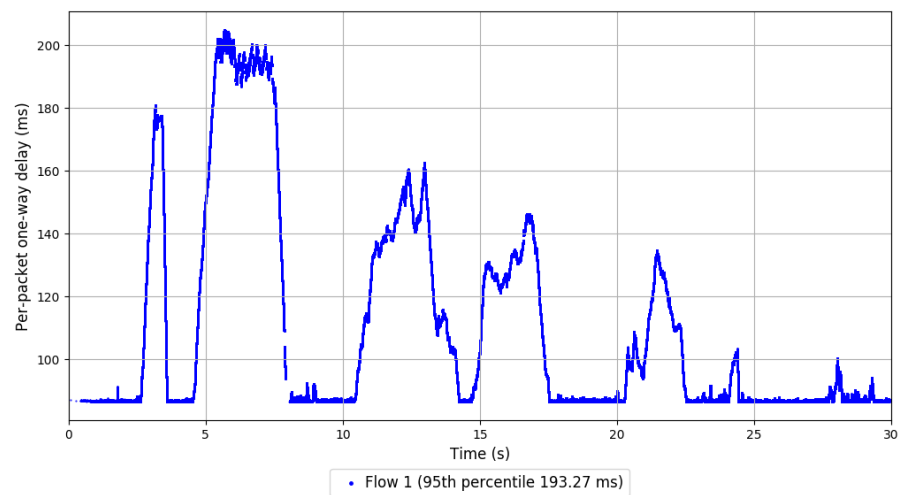
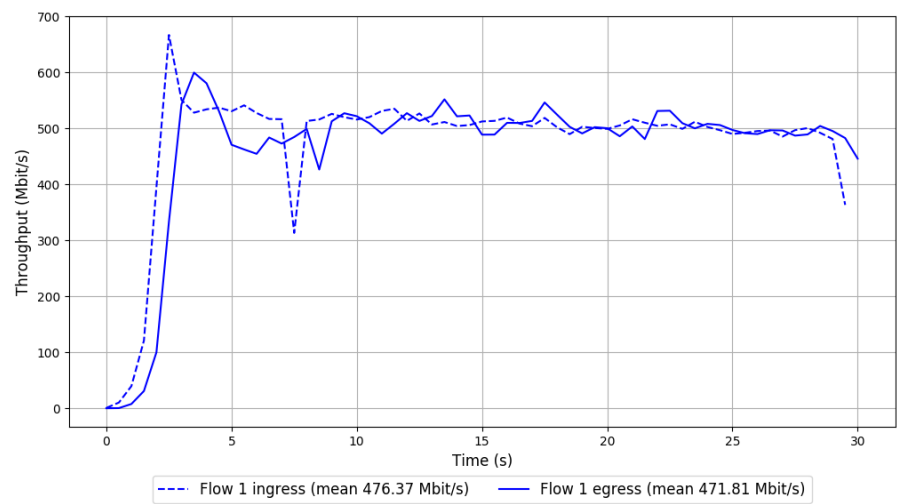
-- Flow 1:

Average throughput: 471.81 Mbit/s

95th percentile per-packet one-way delay: 193.269 ms

Loss rate: 0.96%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-27 23:03:47

End at: 2018-08-27 23:04:17

Local clock offset: -0.066 ms

Remote clock offset: 0.246 ms

Below is generated by plot.py at 2018-08-28 01:47:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 457.91 Mbit/s

95th percentile per-packet one-way delay: 192.112 ms

Loss rate: 1.67%

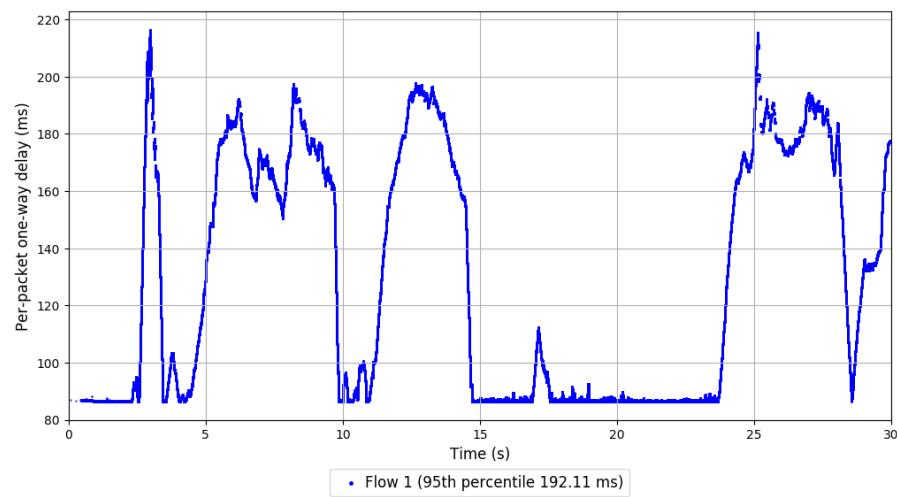
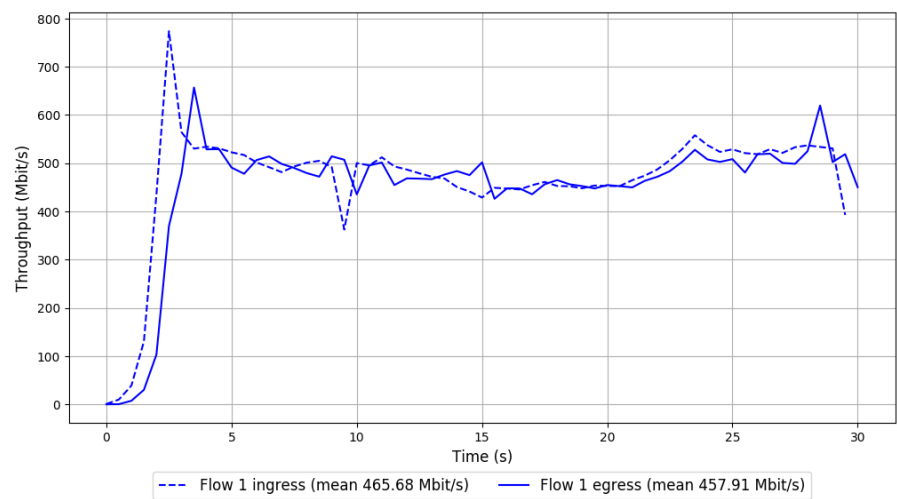
-- Flow 1:

Average throughput: 457.91 Mbit/s

95th percentile per-packet one-way delay: 192.112 ms

Loss rate: 1.67%

Run 9: Report of PCC-Allegro — Data Link

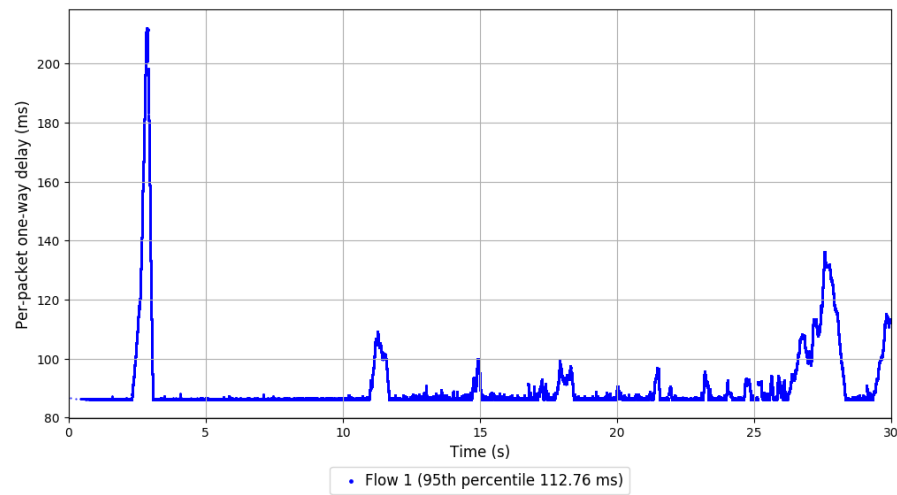
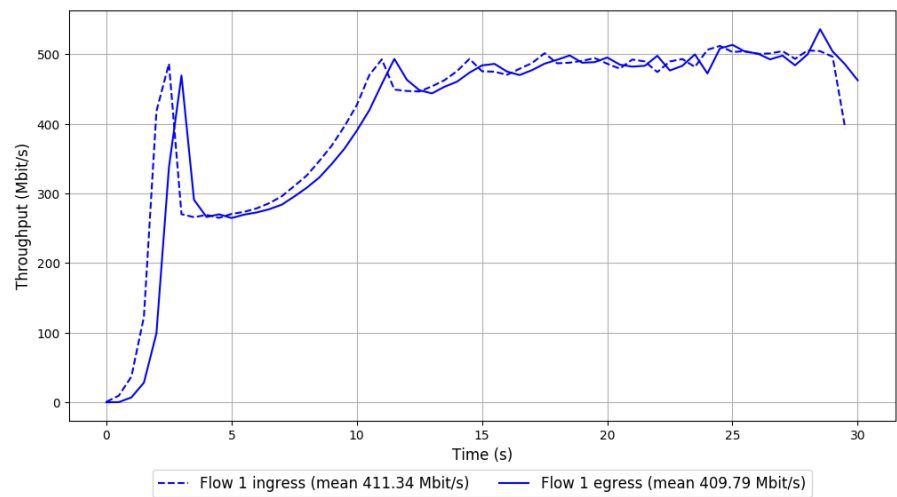


Run 10: Statistics of PCC-Allegro

Start at: 2018-08-27 23:28:10
End at: 2018-08-27 23:28:40
Local clock offset: 0.271 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-08-28 01:47:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 409.79 Mbit/s
95th percentile per-packet one-way delay: 112.756 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 409.79 Mbit/s
95th percentile per-packet one-way delay: 112.756 ms
Loss rate: 0.38%

Run 10: Report of PCC-Allegro — Data Link

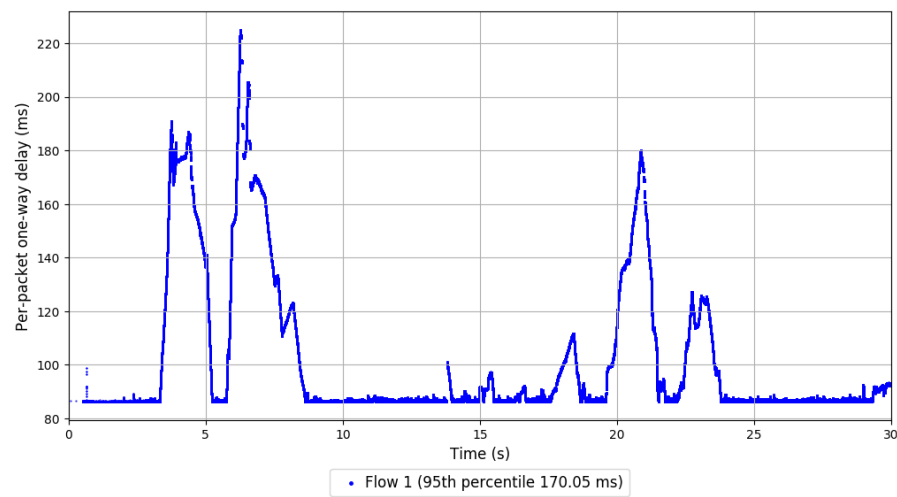
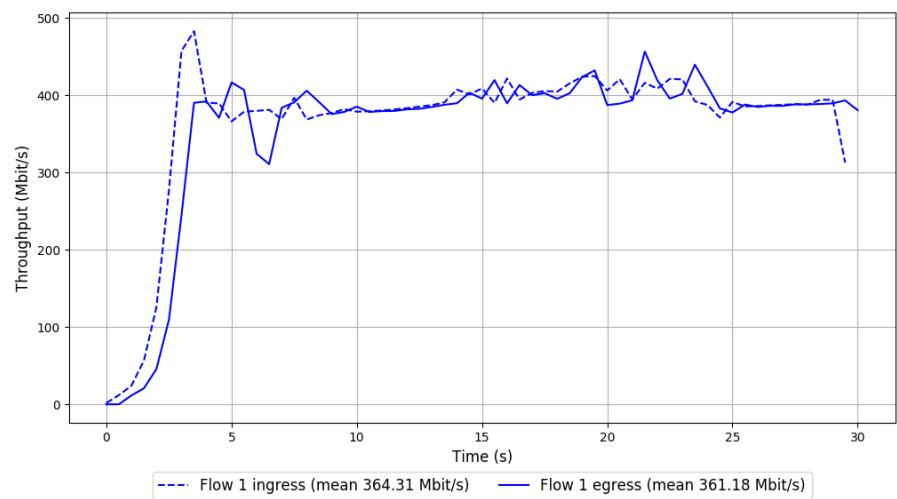


Run 1: Statistics of PCC-Expr

Start at: 2018-08-27 19:26:07
End at: 2018-08-27 19:26:37
Local clock offset: -0.112 ms
Remote clock offset: -0.255 ms

Below is generated by plot.py at 2018-08-28 01:47:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 361.18 Mbit/s
95th percentile per-packet one-way delay: 170.046 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 361.18 Mbit/s
95th percentile per-packet one-way delay: 170.046 ms
Loss rate: 0.86%

Run 1: Report of PCC-Expr — Data Link

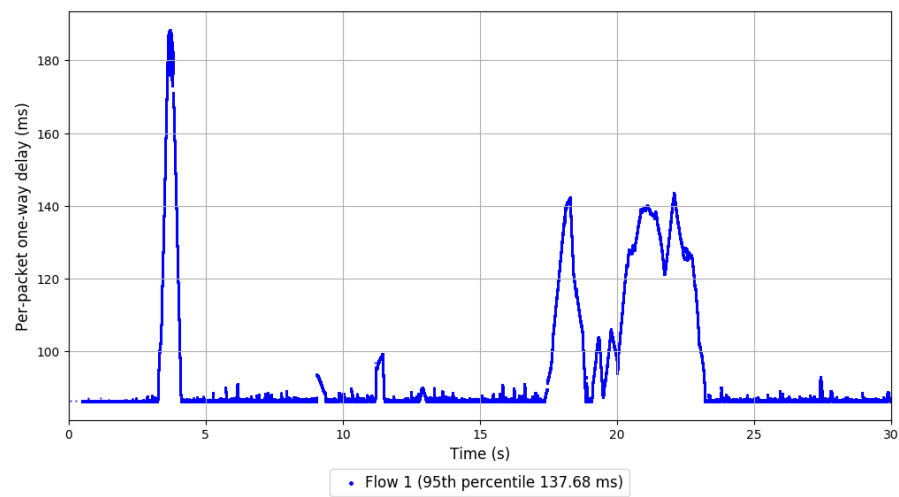
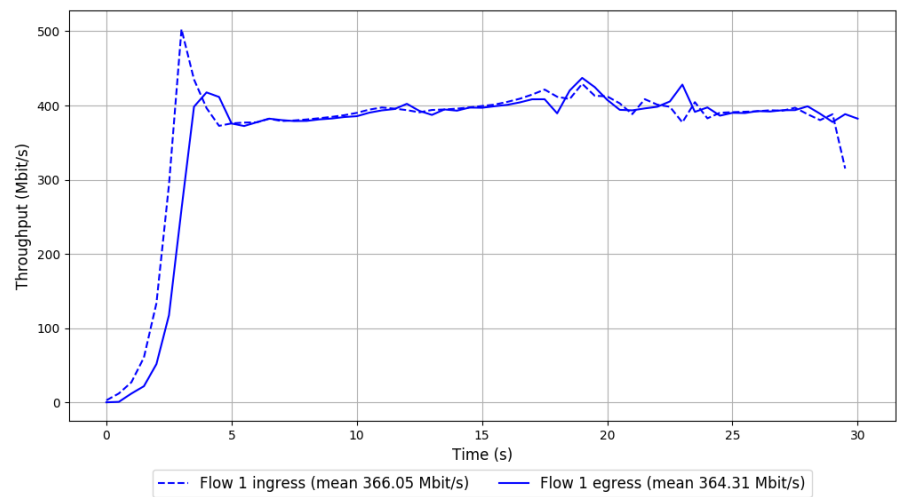


Run 2: Statistics of PCC-Expr

Start at: 2018-08-27 19:50:33
End at: 2018-08-27 19:51:03
Local clock offset: 0.006 ms
Remote clock offset: -0.282 ms

Below is generated by plot.py at 2018-08-28 01:47:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 364.31 Mbit/s
95th percentile per-packet one-way delay: 137.675 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 364.31 Mbit/s
95th percentile per-packet one-way delay: 137.675 ms
Loss rate: 0.47%

Run 2: Report of PCC-Expr — Data Link

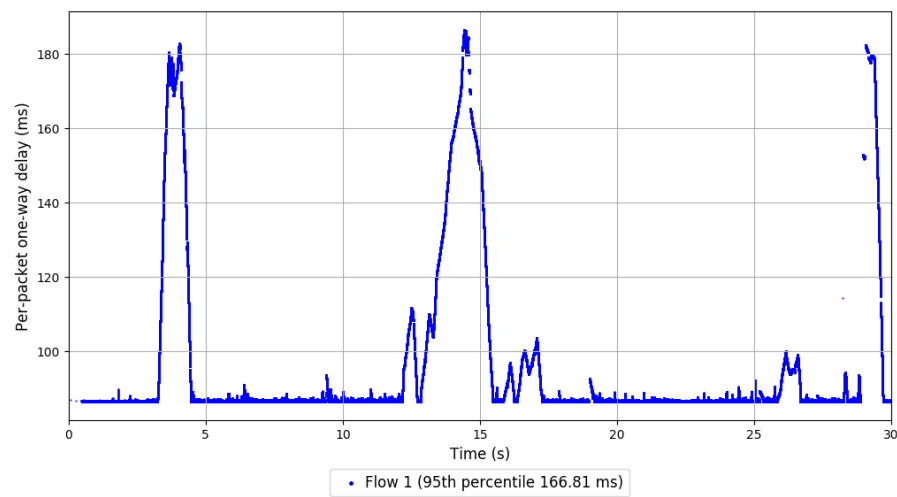
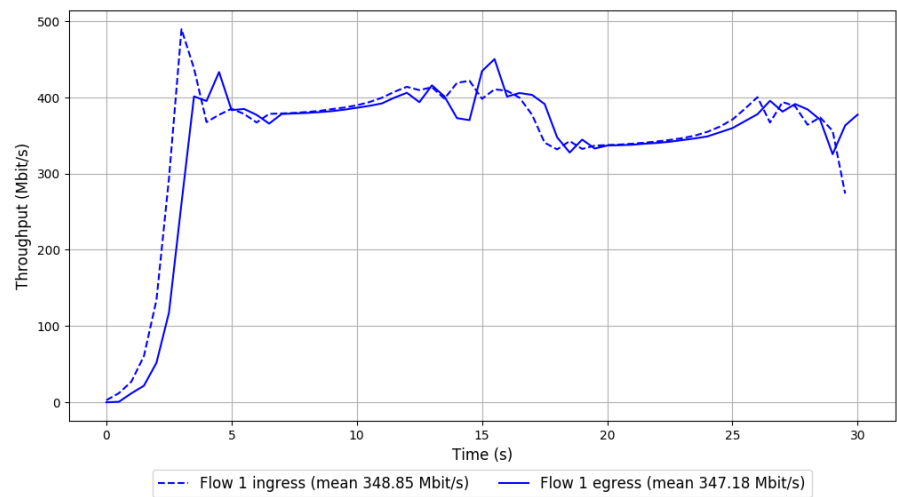


Run 3: Statistics of PCC-Expr

Start at: 2018-08-27 20:14:57
End at: 2018-08-27 20:15:27
Local clock offset: -0.184 ms
Remote clock offset: -0.283 ms

Below is generated by plot.py at 2018-08-28 01:47:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 347.18 Mbit/s
95th percentile per-packet one-way delay: 166.815 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 347.18 Mbit/s
95th percentile per-packet one-way delay: 166.815 ms
Loss rate: 0.48%

Run 3: Report of PCC-Expr — Data Link

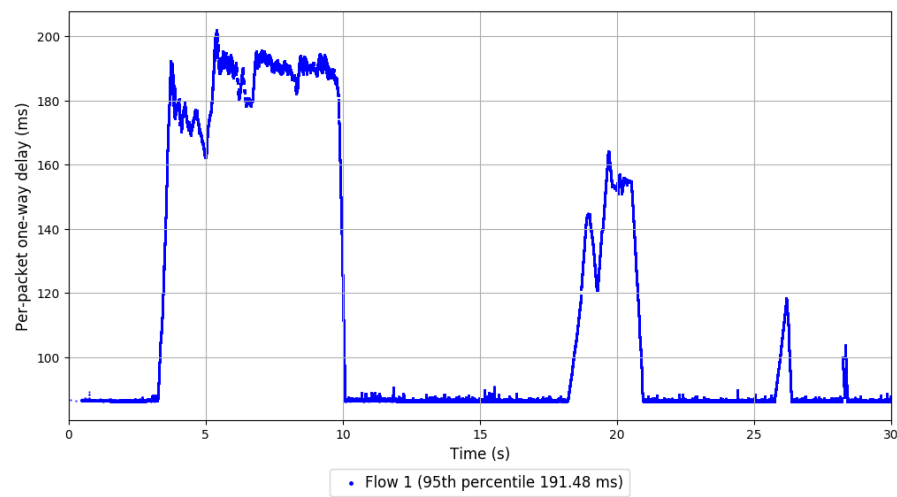
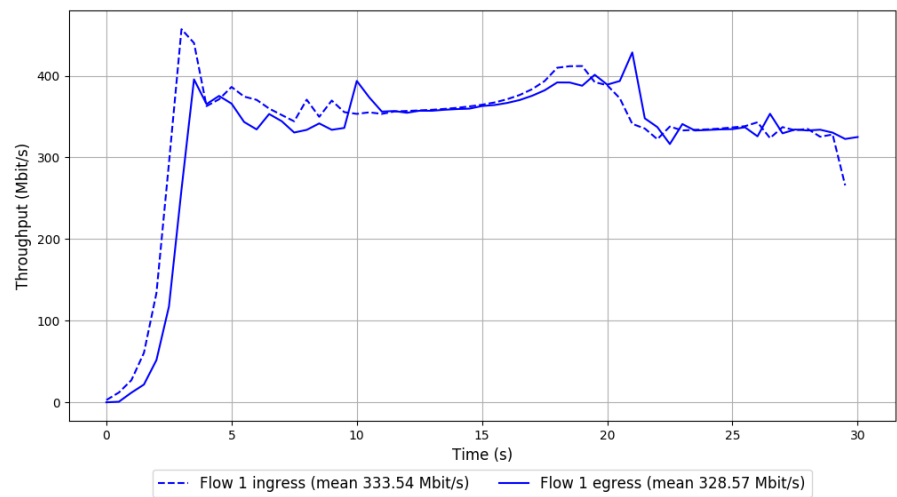


Run 4: Statistics of PCC-Expr

Start at: 2018-08-27 20:38:56
End at: 2018-08-27 20:39:26
Local clock offset: -0.003 ms
Remote clock offset: -0.328 ms

Below is generated by plot.py at 2018-08-28 01:47:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 328.57 Mbit/s
95th percentile per-packet one-way delay: 191.476 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 328.57 Mbit/s
95th percentile per-packet one-way delay: 191.476 ms
Loss rate: 1.49%

Run 4: Report of PCC-Expr — Data Link

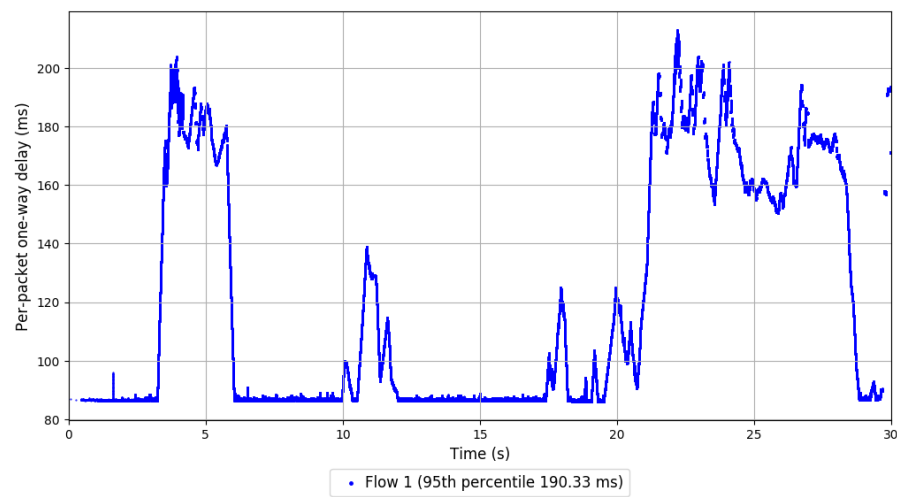
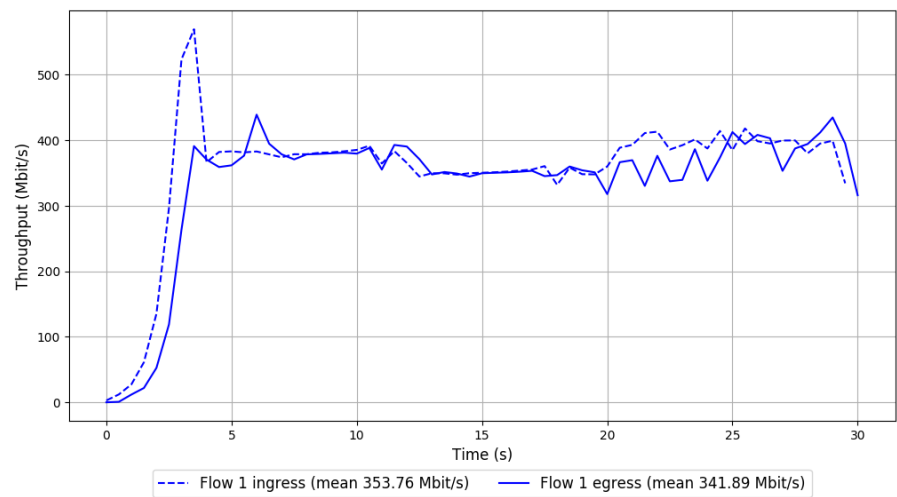


Run 5: Statistics of PCC-Expr

Start at: 2018-08-27 21:03:19
End at: 2018-08-27 21:03:49
Local clock offset: -0.016 ms
Remote clock offset: -0.339 ms

Below is generated by plot.py at 2018-08-28 01:48:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 341.89 Mbit/s
95th percentile per-packet one-way delay: 190.330 ms
Loss rate: 3.36%
-- Flow 1:
Average throughput: 341.89 Mbit/s
95th percentile per-packet one-way delay: 190.330 ms
Loss rate: 3.36%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-08-27 21:27:38

End at: 2018-08-27 21:28:08

Local clock offset: 0.129 ms

Remote clock offset: -0.409 ms

Below is generated by plot.py at 2018-08-28 01:50:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 347.53 Mbit/s

95th percentile per-packet one-way delay: 163.332 ms

Loss rate: 1.19%

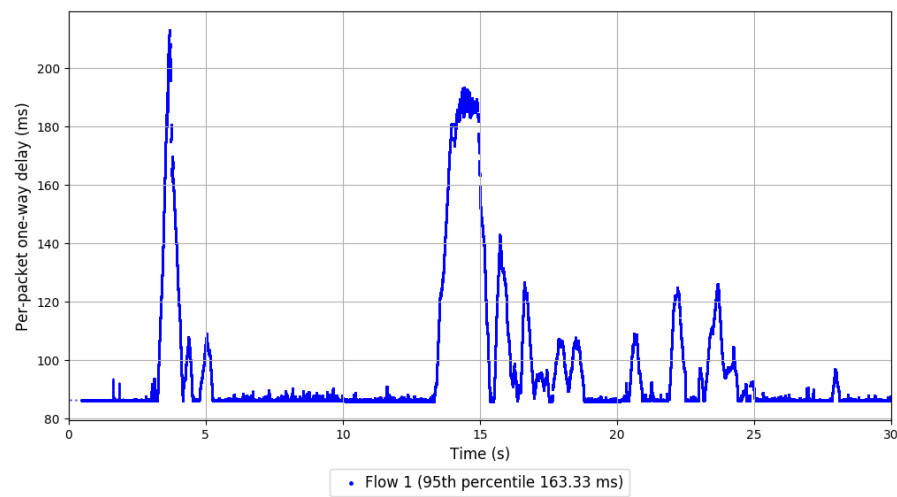
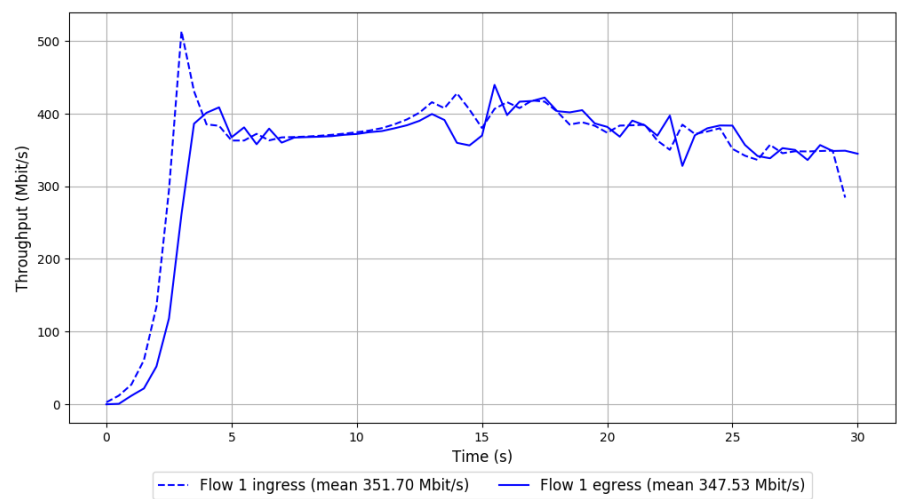
-- Flow 1:

Average throughput: 347.53 Mbit/s

95th percentile per-packet one-way delay: 163.332 ms

Loss rate: 1.19%

Run 6: Report of PCC-Expr — Data Link

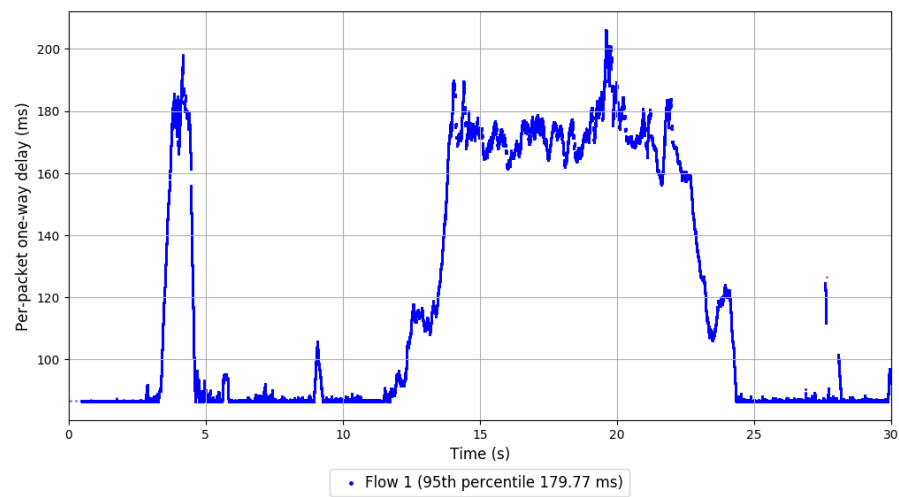
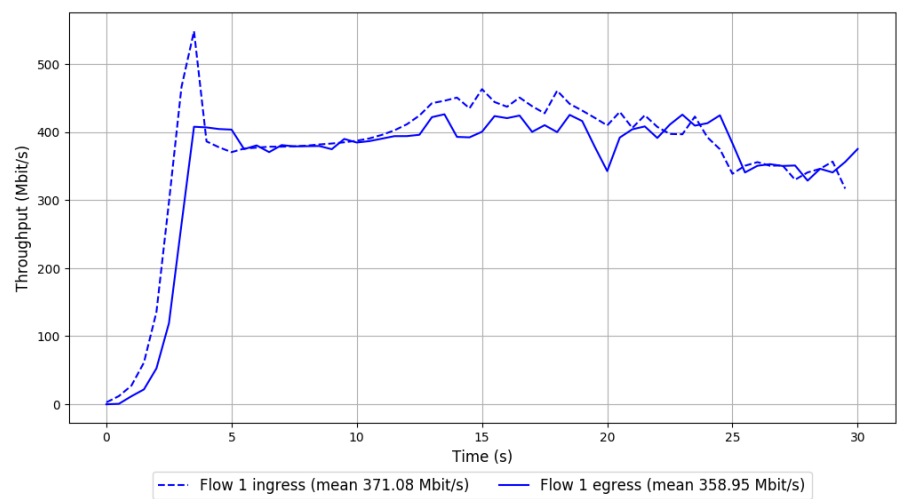


Run 7: Statistics of PCC-Expr

Start at: 2018-08-27 21:52:05
End at: 2018-08-27 21:52:35
Local clock offset: -0.152 ms
Remote clock offset: -0.435 ms

Below is generated by plot.py at 2018-08-28 01:57:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 358.95 Mbit/s
95th percentile per-packet one-way delay: 179.767 ms
Loss rate: 3.27%
-- Flow 1:
Average throughput: 358.95 Mbit/s
95th percentile per-packet one-way delay: 179.767 ms
Loss rate: 3.27%

Run 7: Report of PCC-Expr — Data Link

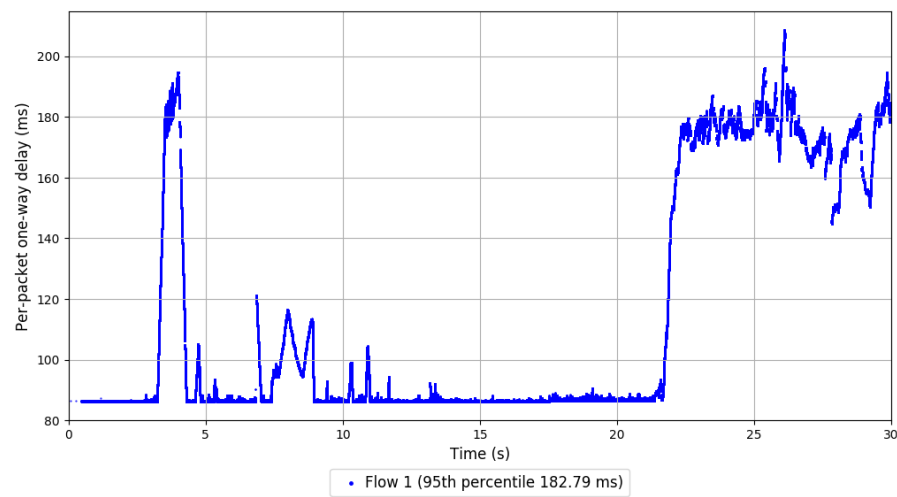
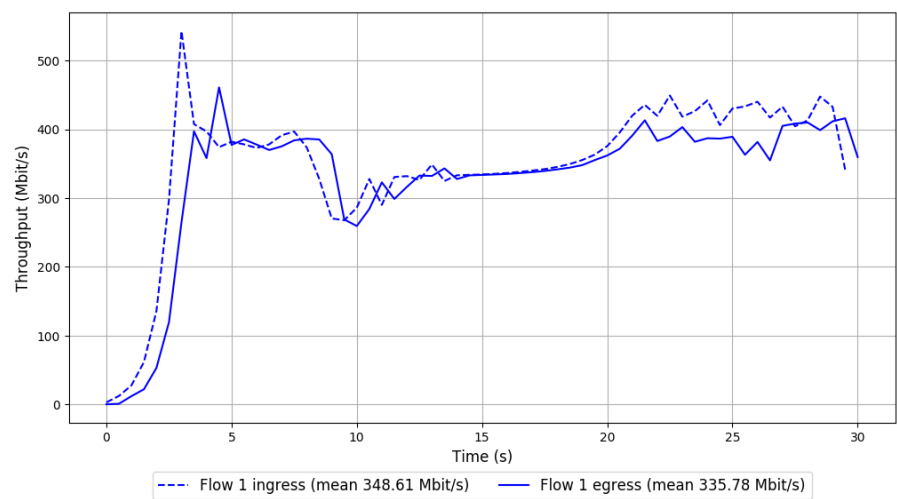


Run 8: Statistics of PCC-Expr

Start at: 2018-08-27 22:16:30
End at: 2018-08-27 22:17:00
Local clock offset: -0.241 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-08-28 01:57:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 335.78 Mbit/s
95th percentile per-packet one-way delay: 182.787 ms
Loss rate: 3.68%
-- Flow 1:
Average throughput: 335.78 Mbit/s
95th percentile per-packet one-way delay: 182.787 ms
Loss rate: 3.68%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-08-27 22:41:06

End at: 2018-08-27 22:41:36

Local clock offset: -0.056 ms

Remote clock offset: 0.188 ms

Below is generated by plot.py at 2018-08-28 01:57:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 356.64 Mbit/s

95th percentile per-packet one-way delay: 169.191 ms

Loss rate: 1.08%

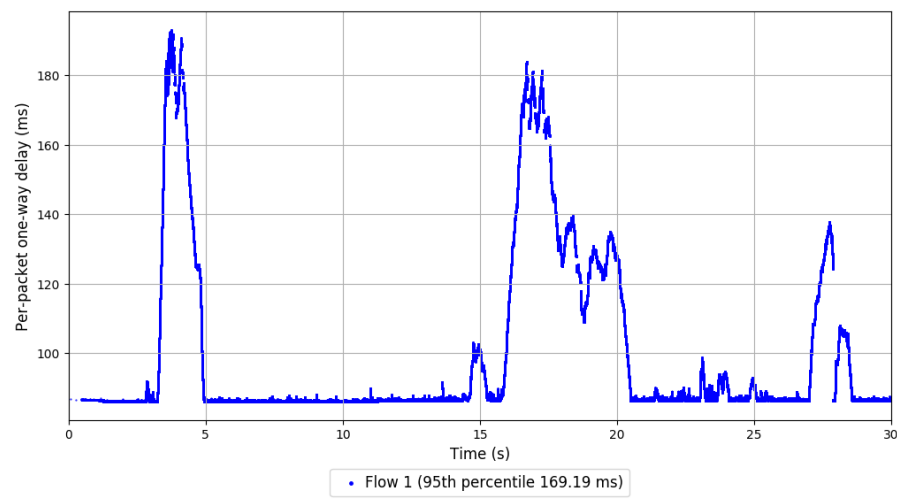
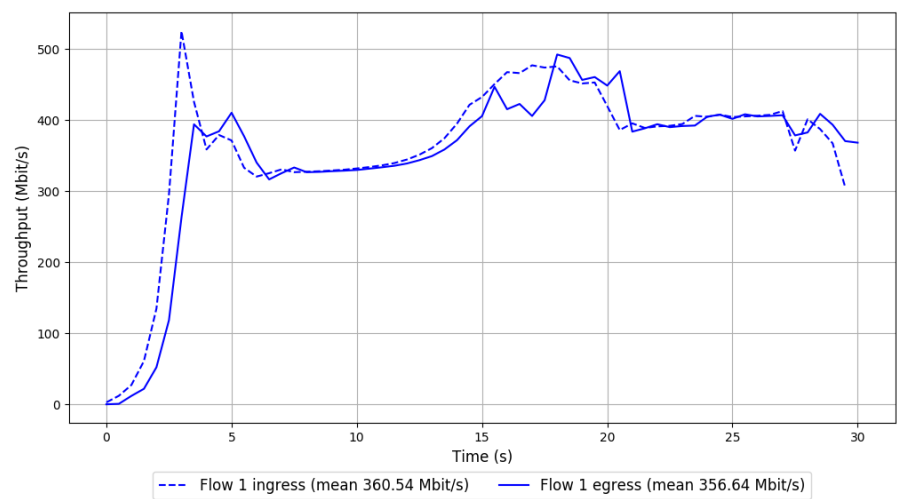
-- Flow 1:

Average throughput: 356.64 Mbit/s

95th percentile per-packet one-way delay: 169.191 ms

Loss rate: 1.08%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-08-27 23:05:25

End at: 2018-08-27 23:05:55

Local clock offset: 0.11 ms

Remote clock offset: 0.168 ms

Below is generated by plot.py at 2018-08-28 01:58:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 347.57 Mbit/s

95th percentile per-packet one-way delay: 169.061 ms

Loss rate: 0.47%

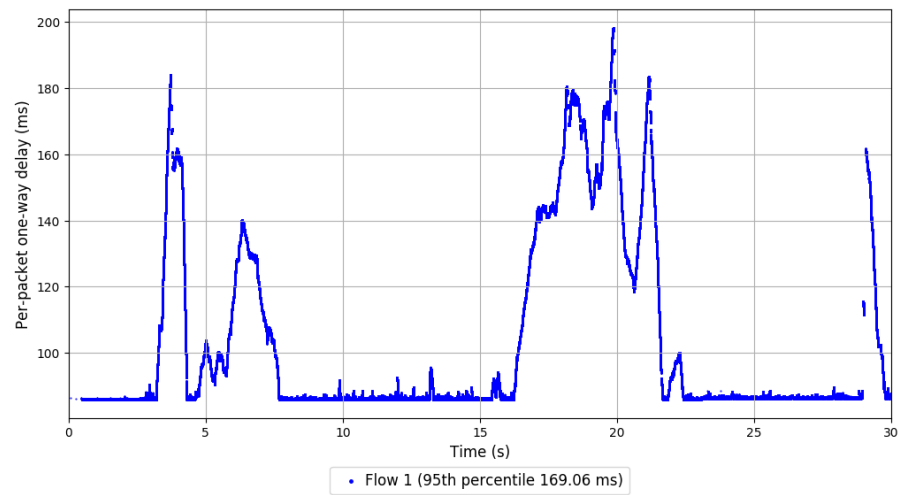
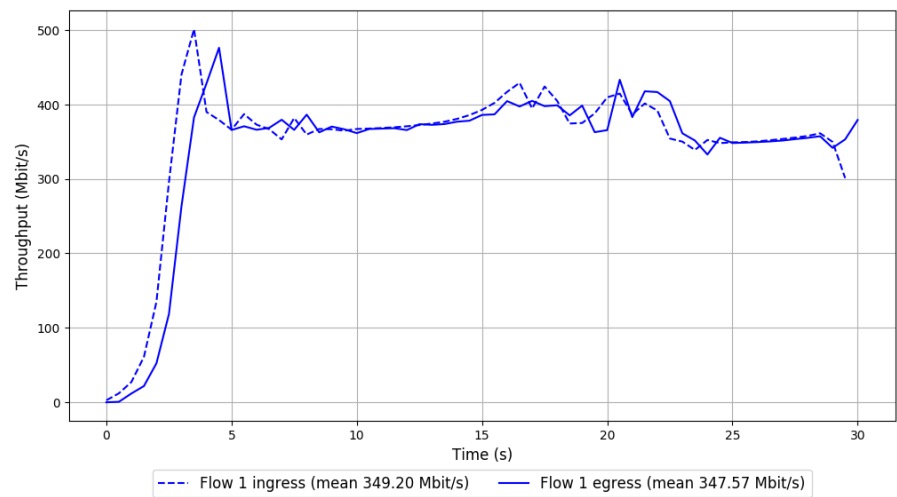
-- Flow 1:

Average throughput: 347.57 Mbit/s

95th percentile per-packet one-way delay: 169.061 ms

Loss rate: 0.47%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-08-27 19:29:23

End at: 2018-08-27 19:29:53

Local clock offset: -0.038 ms

Remote clock offset: -0.241 ms

Below is generated by plot.py at 2018-08-28 01:58:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.93 Mbit/s

95th percentile per-packet one-way delay: 86.464 ms

Loss rate: 0.00%

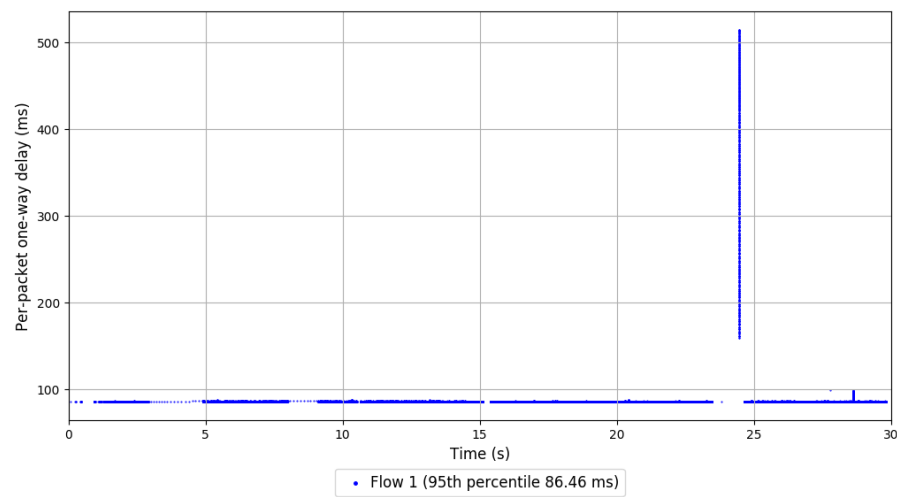
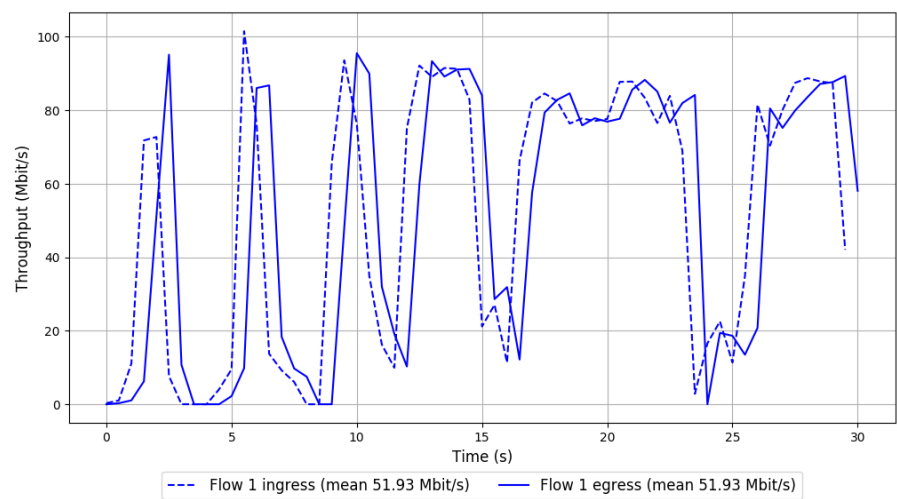
-- Flow 1:

Average throughput: 51.93 Mbit/s

95th percentile per-packet one-way delay: 86.464 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-08-27 19:53:50

End at: 2018-08-27 19:54:20

Local clock offset: 0.042 ms

Remote clock offset: -0.28 ms

Below is generated by plot.py at 2018-08-28 01:58:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.62 Mbit/s

95th percentile per-packet one-way delay: 86.418 ms

Loss rate: 0.00%

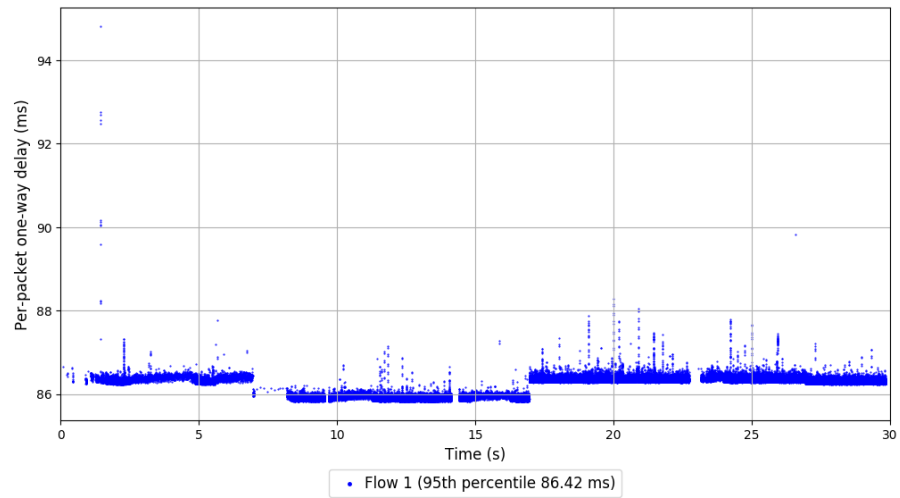
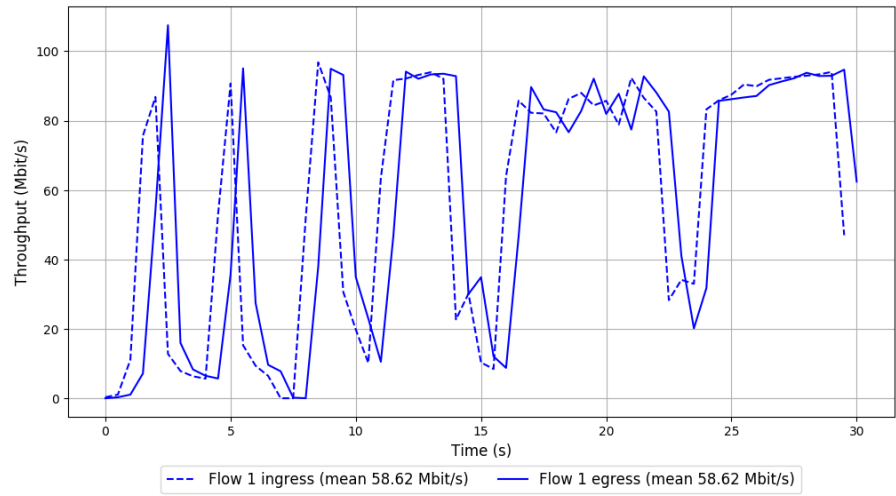
-- Flow 1:

Average throughput: 58.62 Mbit/s

95th percentile per-packet one-way delay: 86.418 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

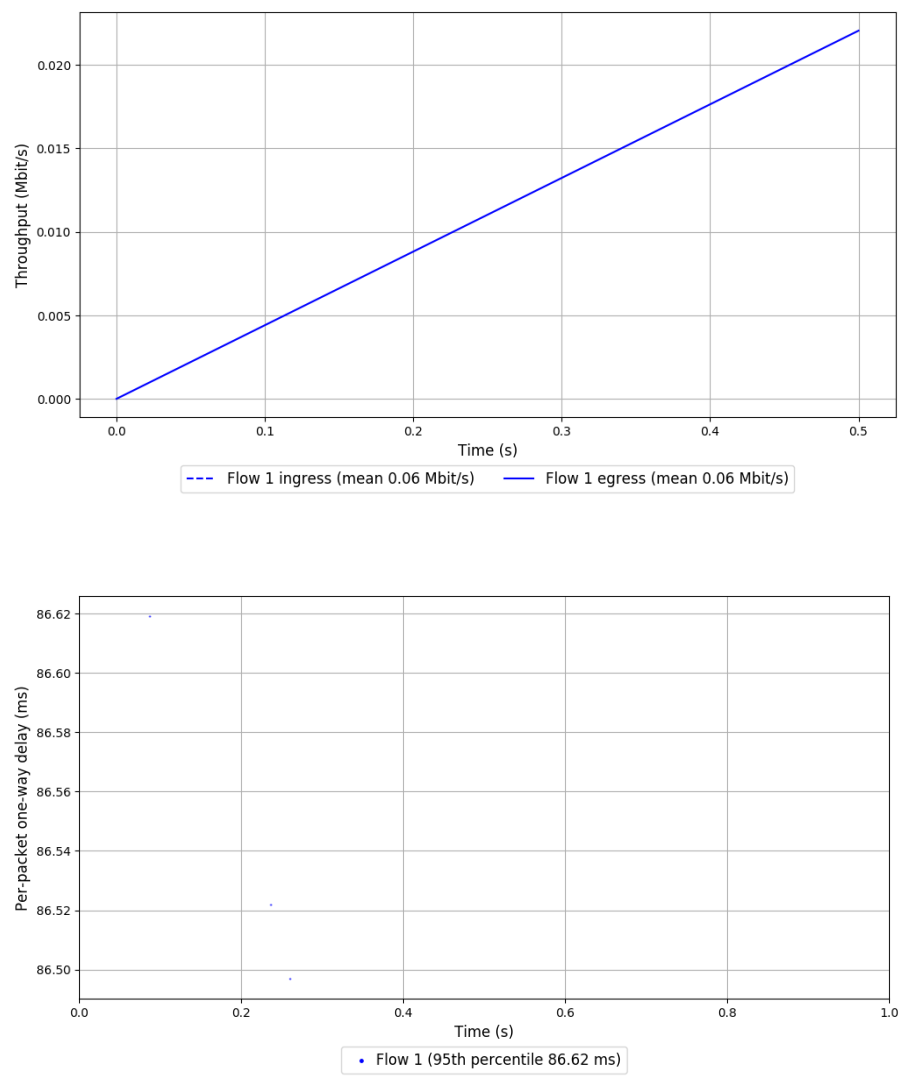
Start at: 2018-08-27 20:18:11

End at: 2018-08-27 20:18:41

Local clock offset: -0.038 ms

Remote clock offset: -0.348 ms

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

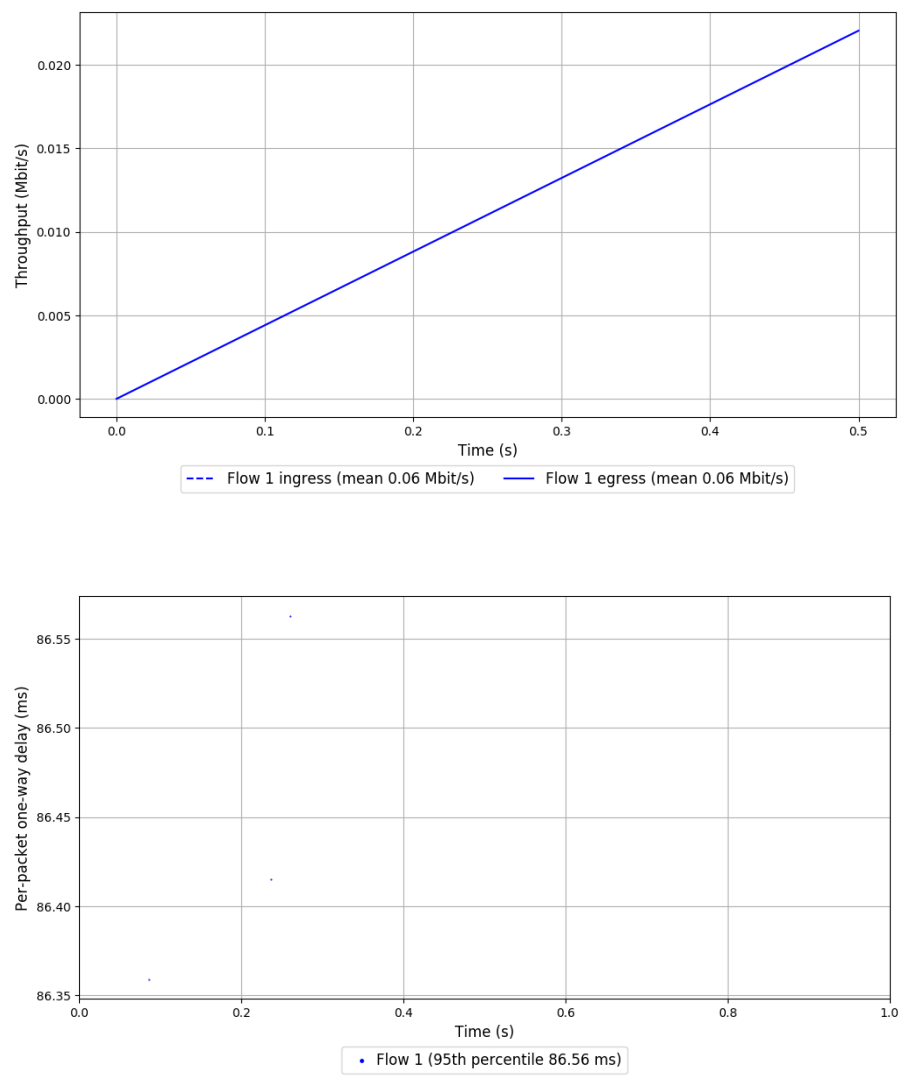
Start at: 2018-08-27 20:42:09

End at: 2018-08-27 20:42:39

Local clock offset: 0.117 ms

Remote clock offset: -0.339 ms

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

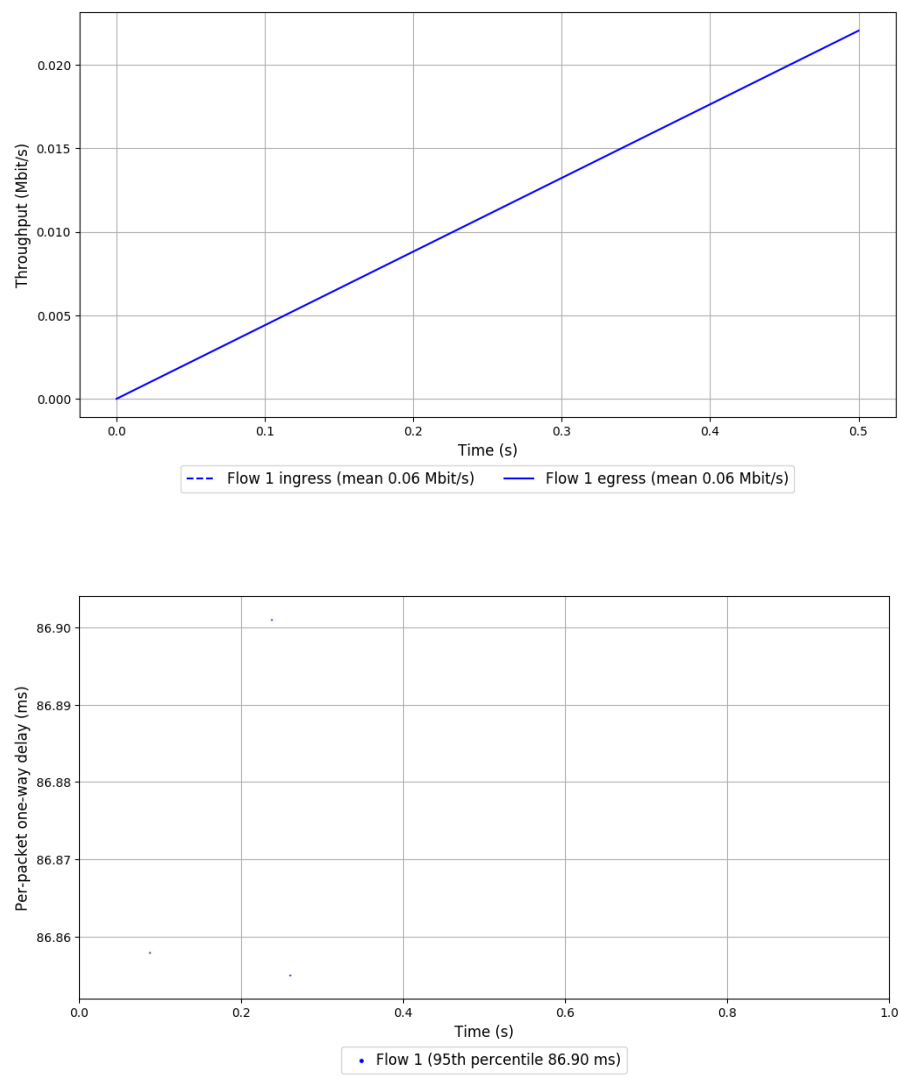
Start at: 2018-08-27 21:06:34

End at: 2018-08-27 21:07:04

Local clock offset: -0.048 ms

Remote clock offset: -0.379 ms

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-08-27 21:30:52

End at: 2018-08-27 21:31:22

Local clock offset: -0.015 ms

Remote clock offset: -0.446 ms

Below is generated by plot.py at 2018-08-28 01:58:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.02 Mbit/s

95th percentile per-packet one-way delay: 86.479 ms

Loss rate: 0.00%

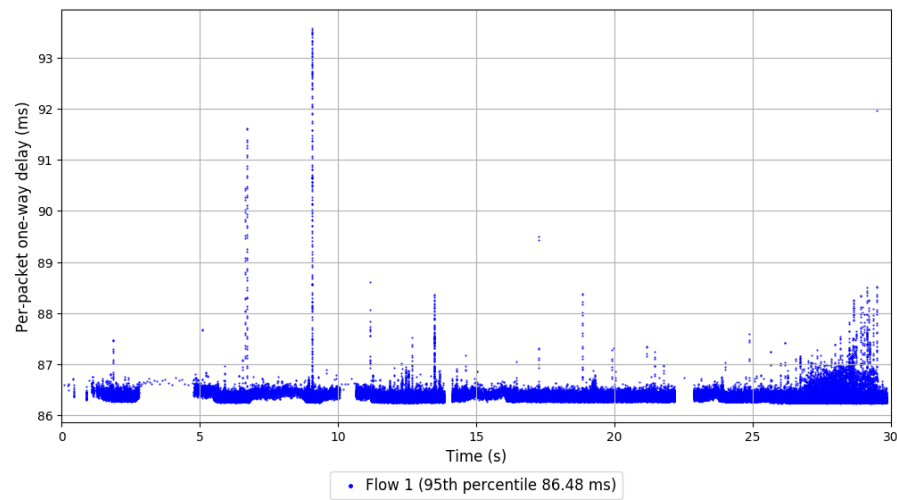
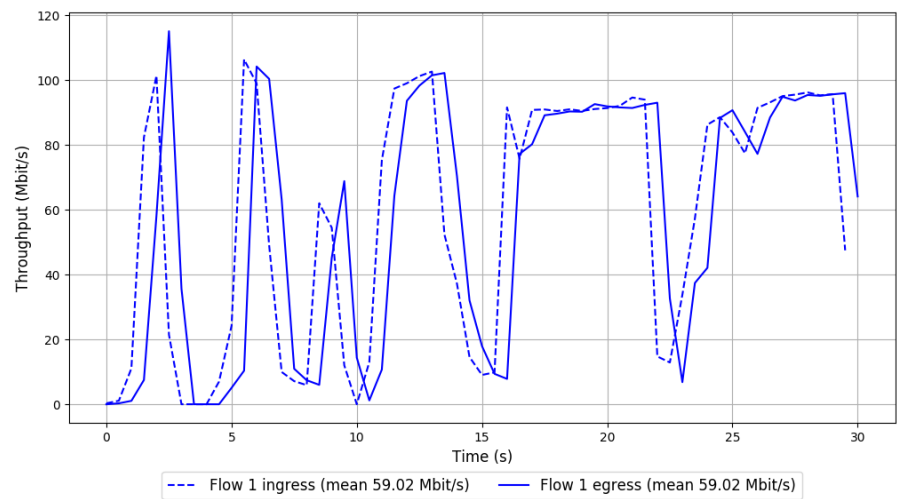
-- Flow 1:

Average throughput: 59.02 Mbit/s

95th percentile per-packet one-way delay: 86.479 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

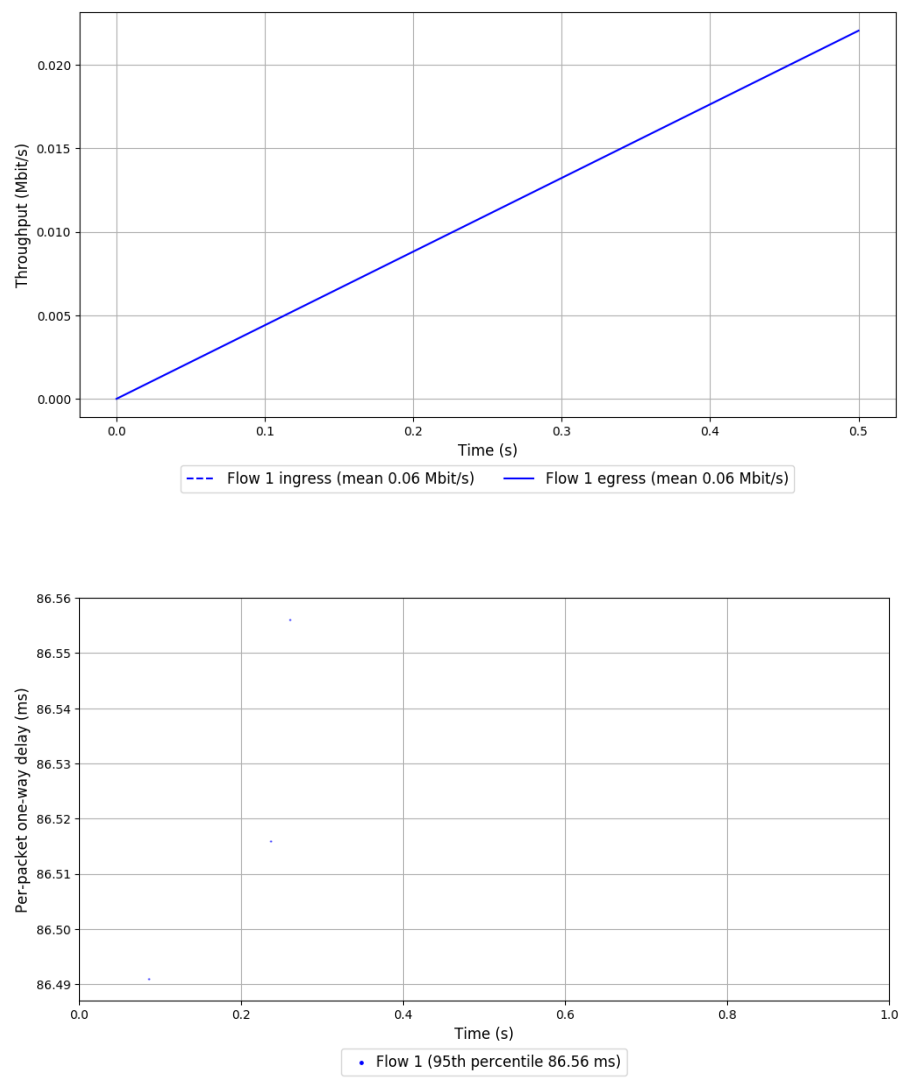
Start at: 2018-08-27 21:55:21

End at: 2018-08-27 21:55:51

Local clock offset: -0.02 ms

Remote clock offset: -0.443 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

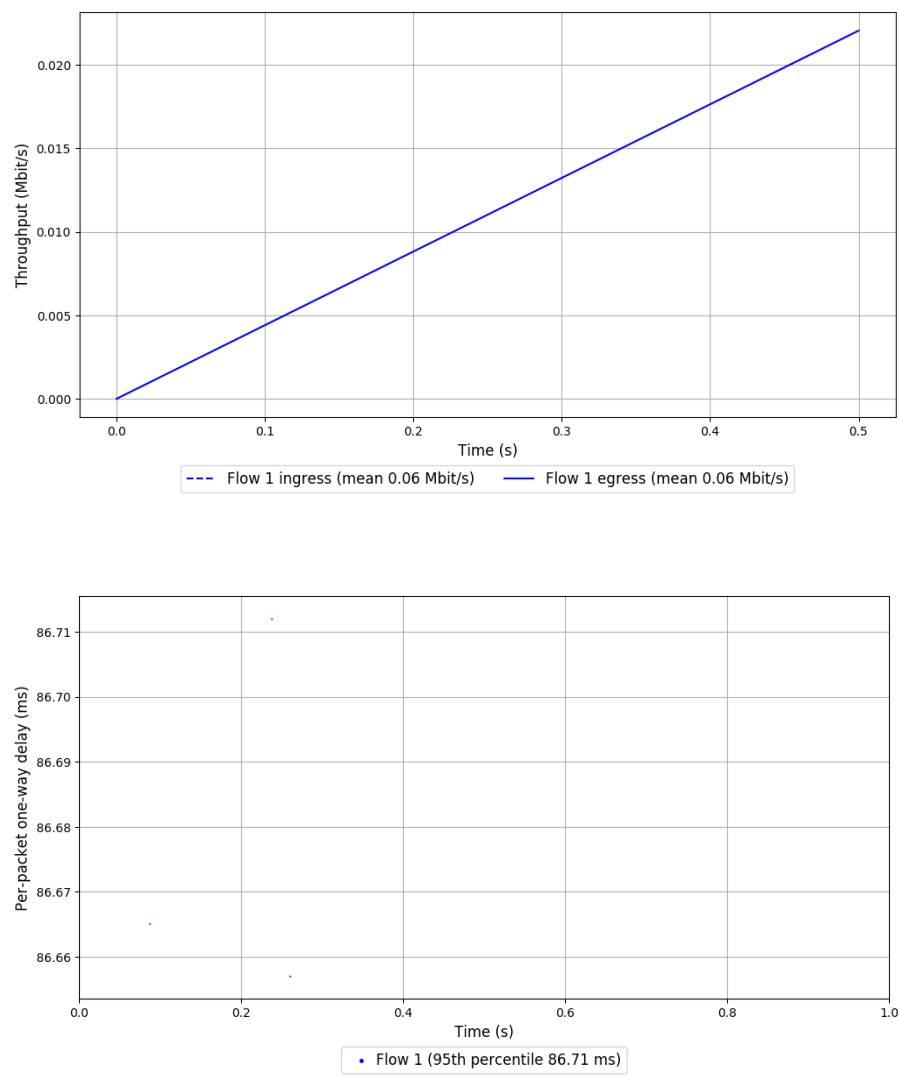
Start at: 2018-08-27 22:19:43

End at: 2018-08-27 22:20:13

Local clock offset: -0.215 ms

Remote clock offset: 0.01 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

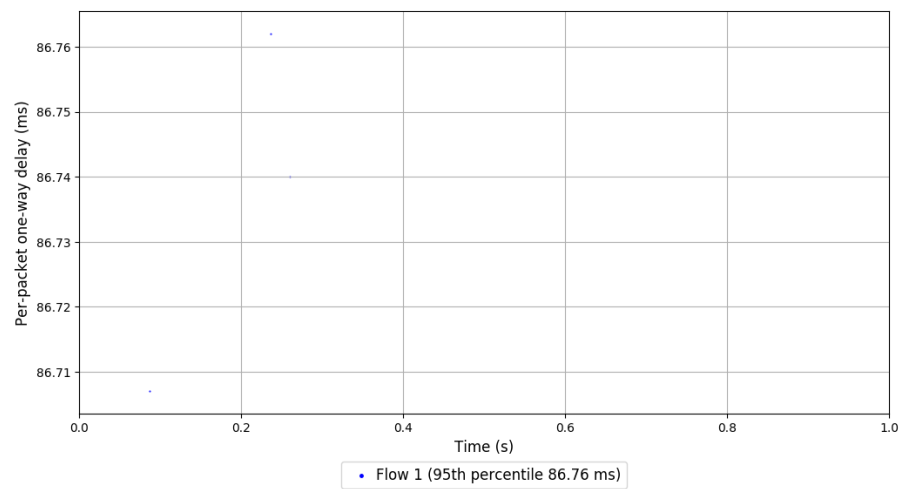
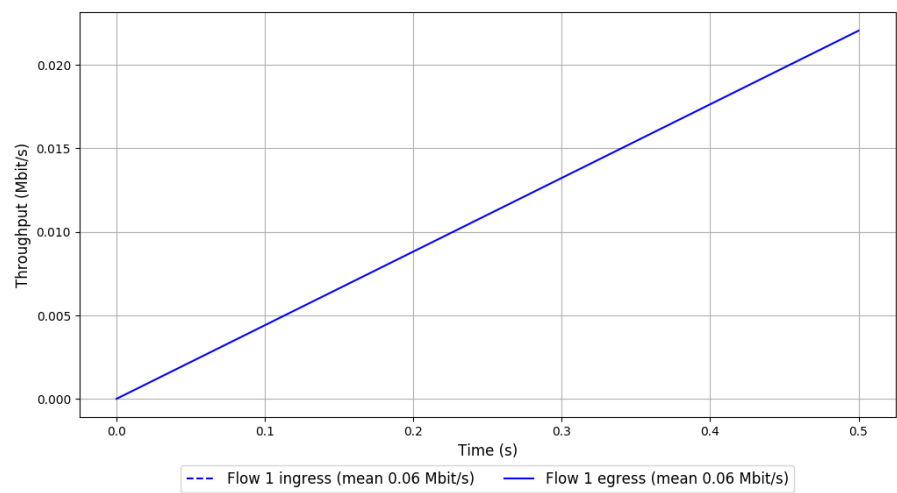
Start at: 2018-08-27 22:44:22

End at: 2018-08-27 22:44:52

Local clock offset: -0.201 ms

Remote clock offset: 0.16 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

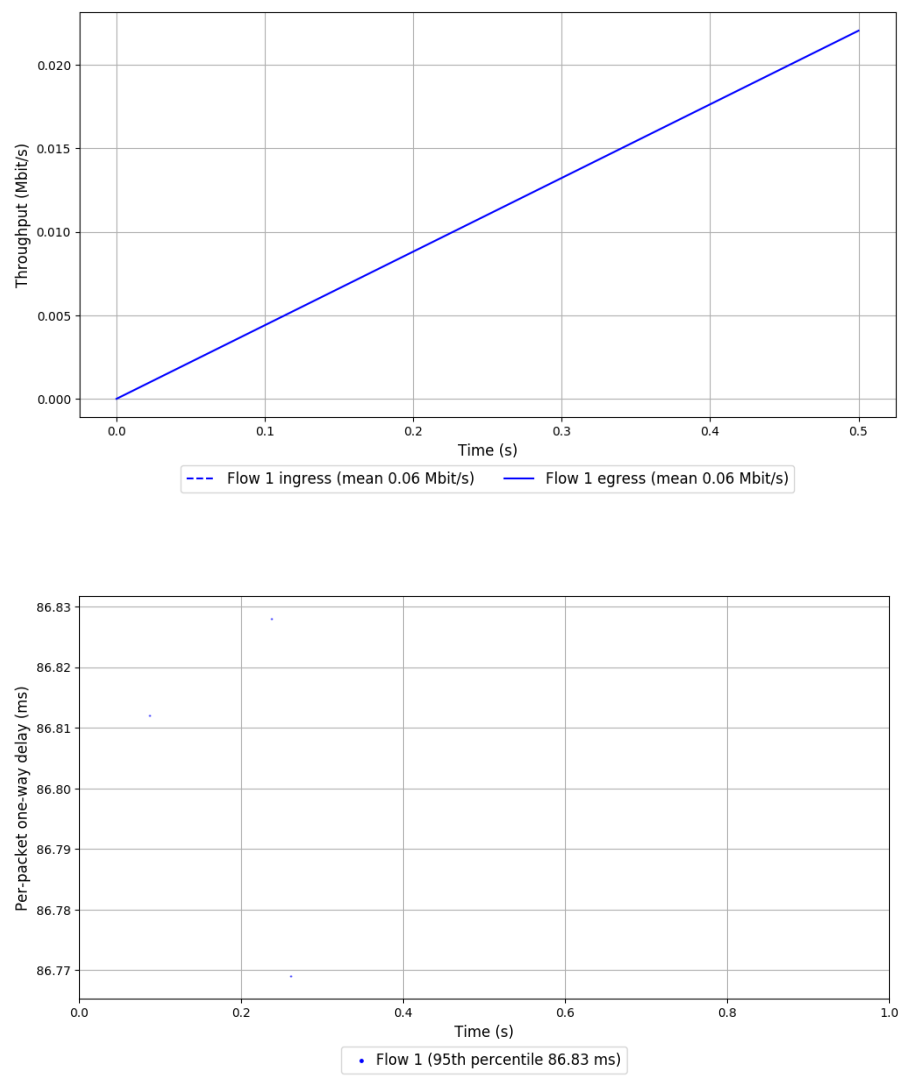
Start at: 2018-08-27 23:08:38

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

Local clock offset: -0.074 ms

Remote clock offset: 0.159 ms

Run 10: Report of QUIC Cubic — Data Link

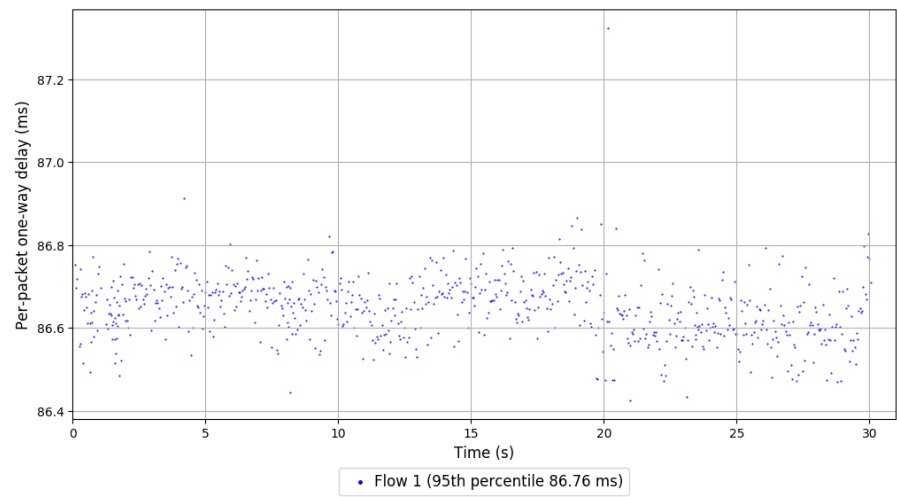
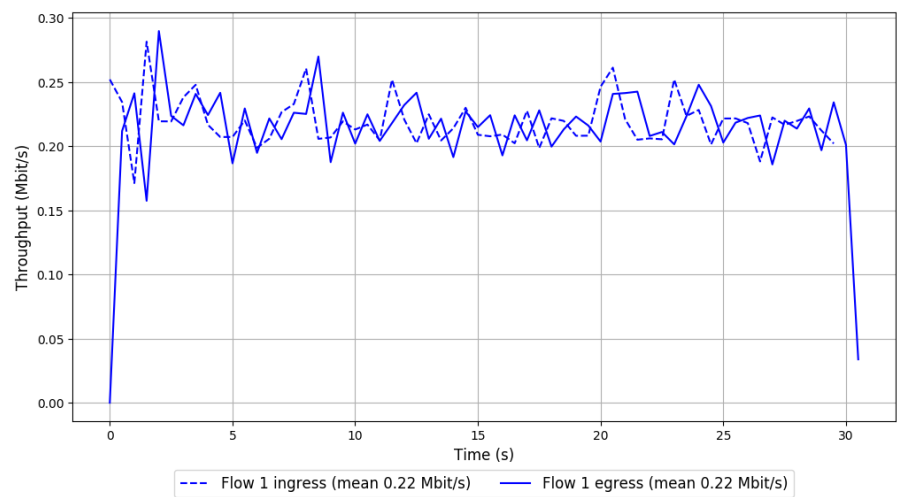


Run 1: Statistics of SCReAM

Start at: 2018-08-27 19:37:38
End at: 2018-08-27 19:38:08
Local clock offset: 0.018 ms
Remote clock offset: -0.239 ms

Below is generated by plot.py at 2018-08-28 01:58:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.761 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.761 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

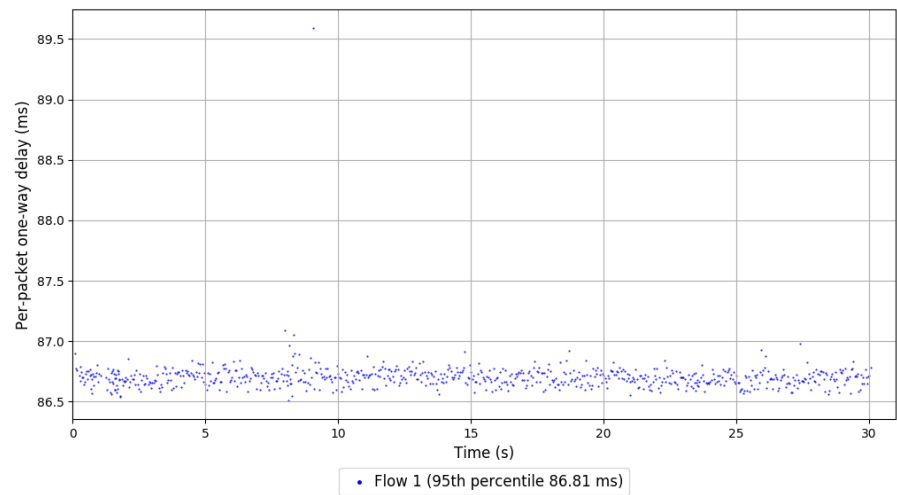
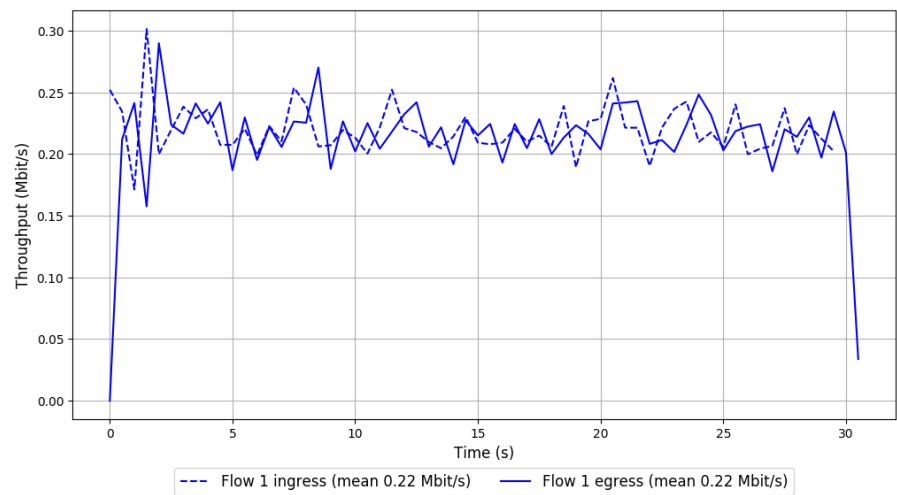


Run 2: Statistics of SCReAM

Start at: 2018-08-27 20:02:03
End at: 2018-08-27 20:02:33
Local clock offset: -0.052 ms
Remote clock offset: -0.253 ms

Below is generated by plot.py at 2018-08-28 01:58:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.807 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.807 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-08-27 20:26:16

End at: 2018-08-27 20:26:46

Local clock offset: -0.03 ms

Remote clock offset: -0.27 ms

Below is generated by plot.py at 2018-08-28 01:58:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.931 ms

Loss rate: 0.00%

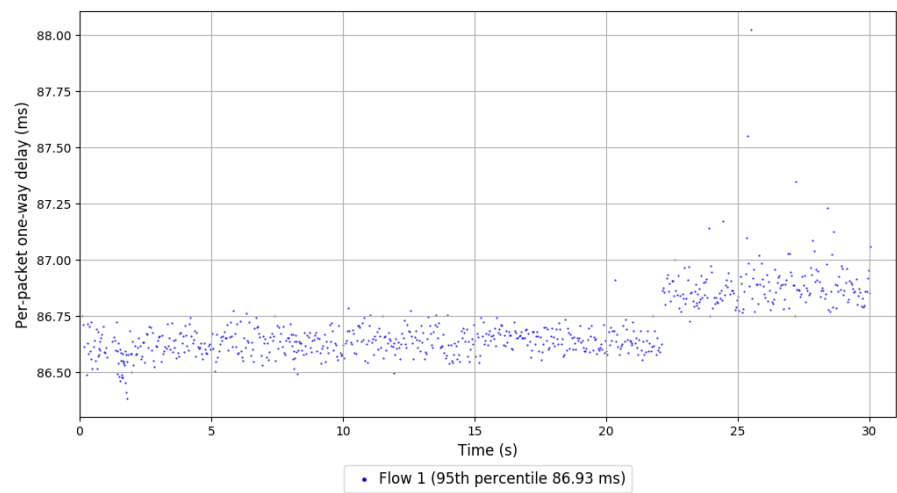
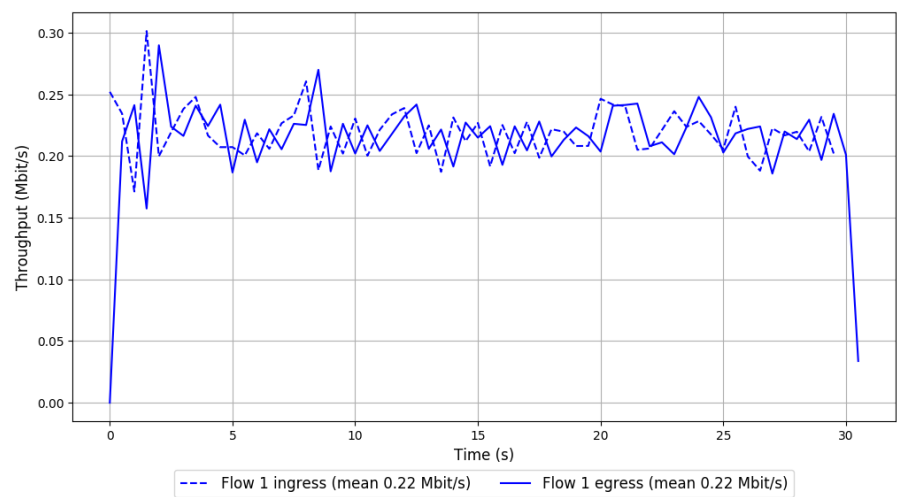
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.931 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

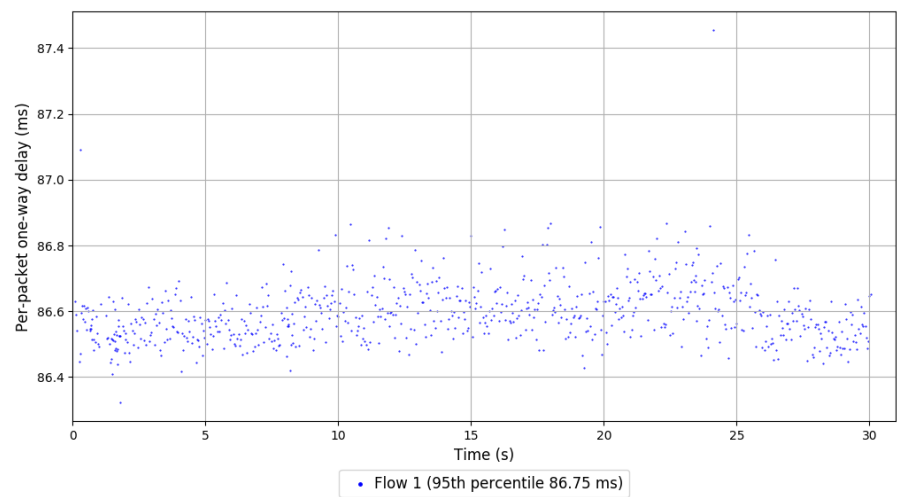
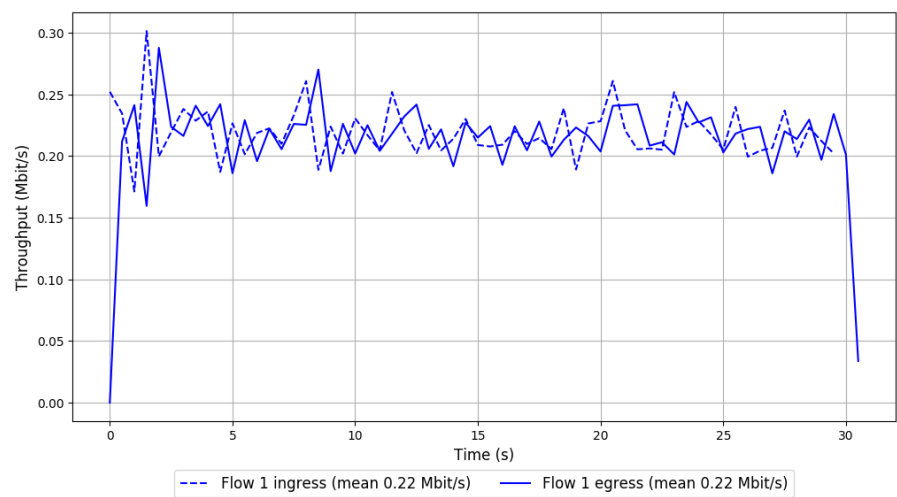


Run 4: Statistics of SCReAM

Start at: 2018-08-27 20:50:18
End at: 2018-08-27 20:50:48
Local clock offset: -0.028 ms
Remote clock offset: -0.365 ms

Below is generated by plot.py at 2018-08-28 01:58:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.748 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.748 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

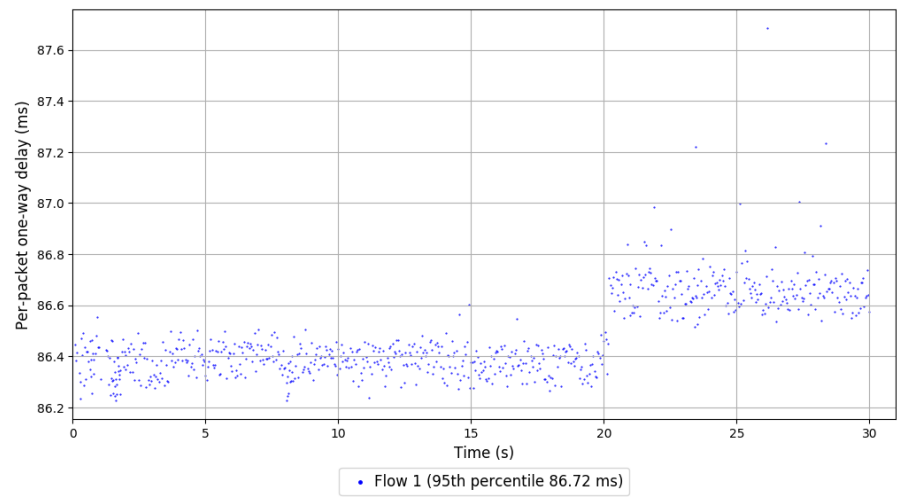
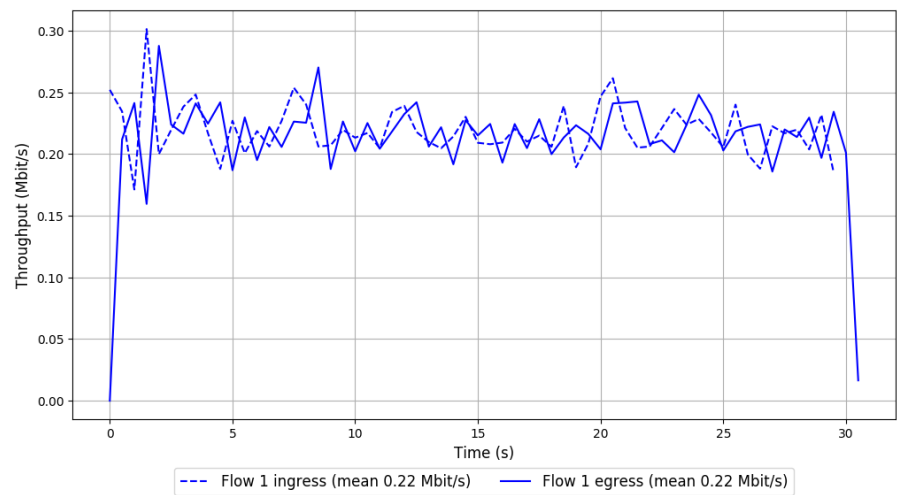


Run 5: Statistics of SCReAM

Start at: 2018-08-27 21:14:47
End at: 2018-08-27 21:15:17
Local clock offset: 0.234 ms
Remote clock offset: -0.398 ms

Below is generated by plot.py at 2018-08-28 01:58:01
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 5: Report of SReAM — Data Link

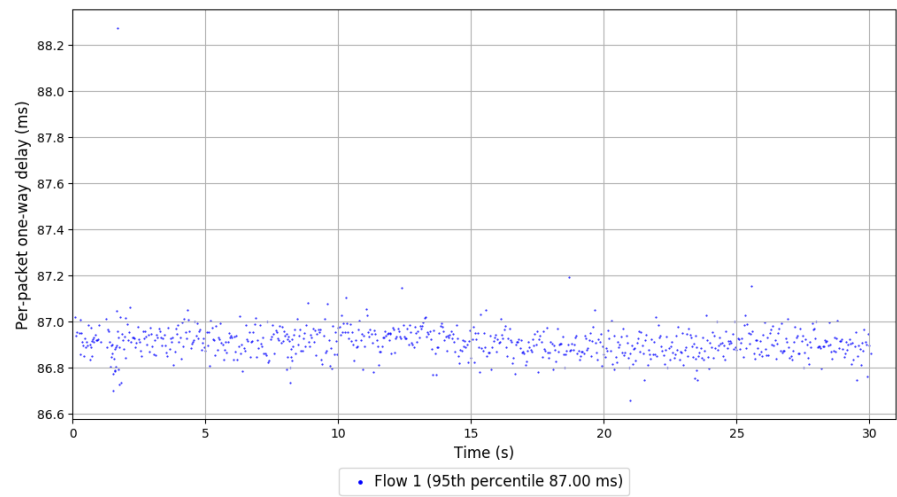
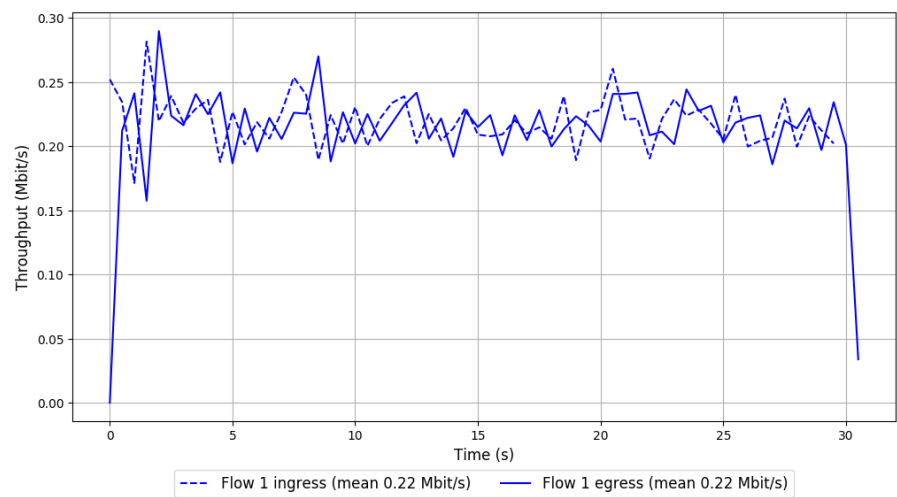


Run 6: Statistics of SCReAM

Start at: 2018-08-27 21:39:09
End at: 2018-08-27 21:39:39
Local clock offset: -0.212 ms
Remote clock offset: -0.401 ms

Below is generated by plot.py at 2018-08-28 01:58:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.002 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.002 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

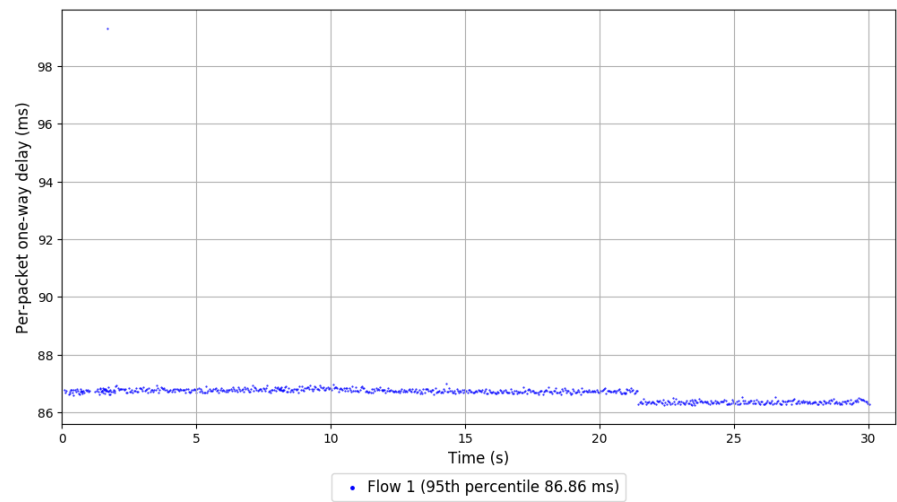
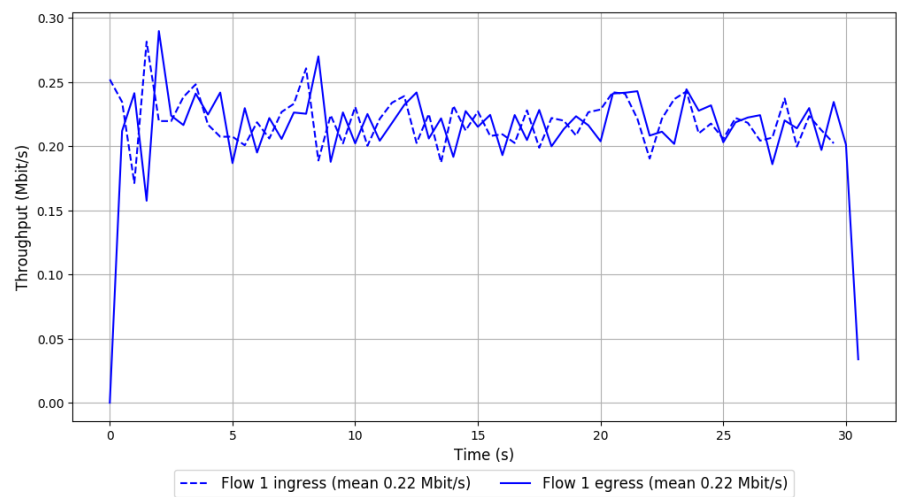


Run 7: Statistics of SCReAM

Start at: 2018-08-27 22:03:26
End at: 2018-08-27 22:03:56
Local clock offset: -0.168 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-08-28 01:58:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.858 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.858 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-08-27 22:27:57

End at: 2018-08-27 22:28:27

Local clock offset: 0.008 ms

Remote clock offset: 0.067 ms

Below is generated by plot.py at 2018-08-28 01:58:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.914 ms

Loss rate: 0.00%

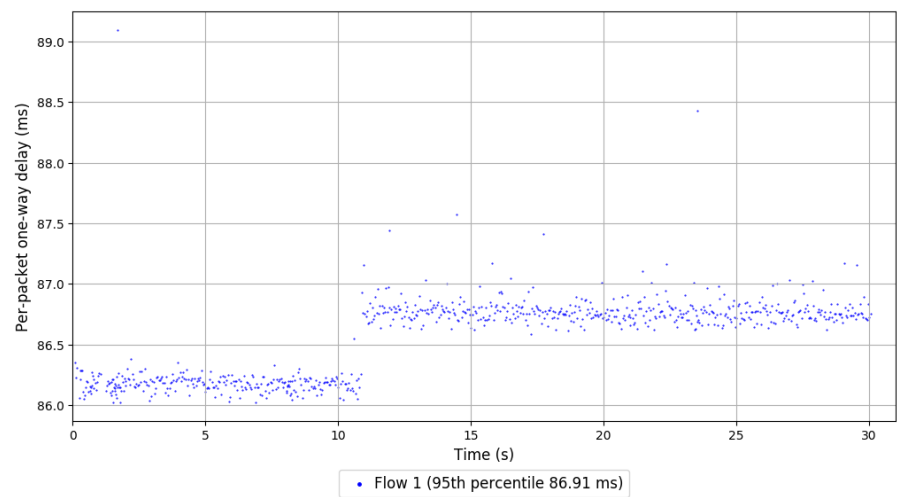
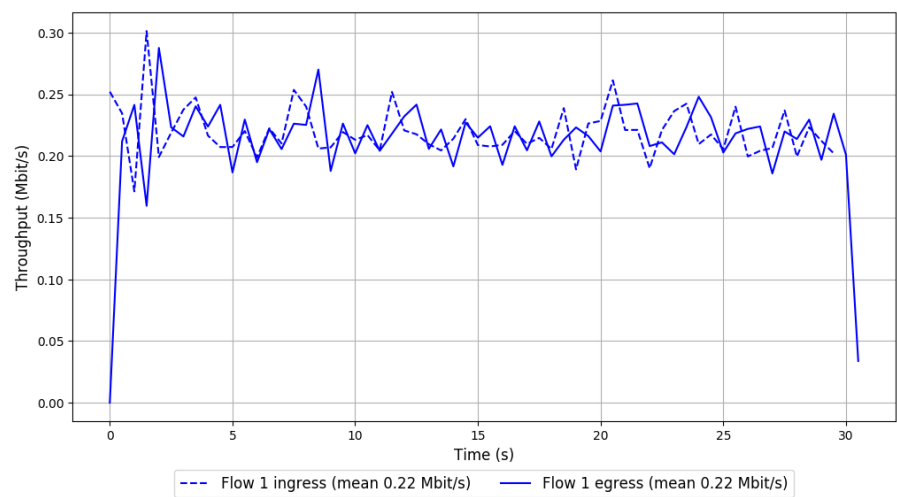
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.914 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-08-27 22:52:35

End at: 2018-08-27 22:53:05

Local clock offset: 0.048 ms

Remote clock offset: 0.188 ms

Below is generated by plot.py at 2018-08-28 01:58:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.603 ms

Loss rate: 0.00%

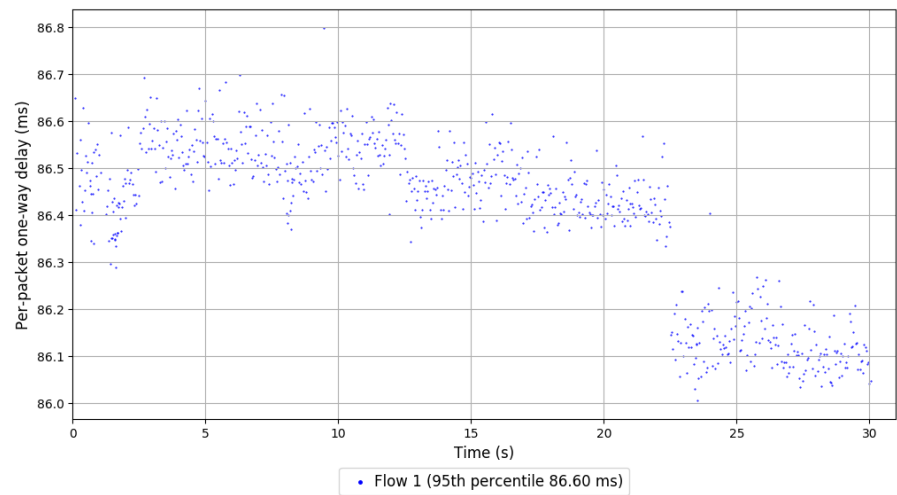
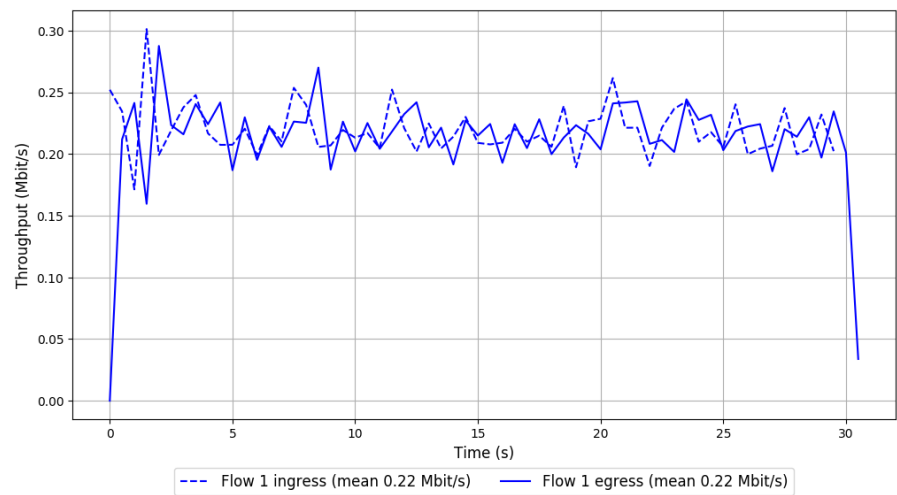
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.603 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-08-27 23:16:47

End at: 2018-08-27 23:17:17

Local clock offset: 0.044 ms

Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-08-28 01:58:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.522 ms

Loss rate: 0.00%

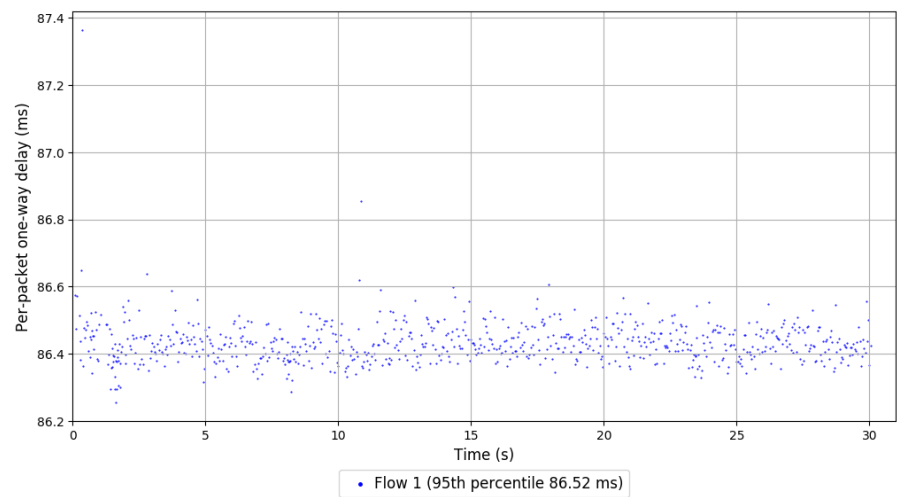
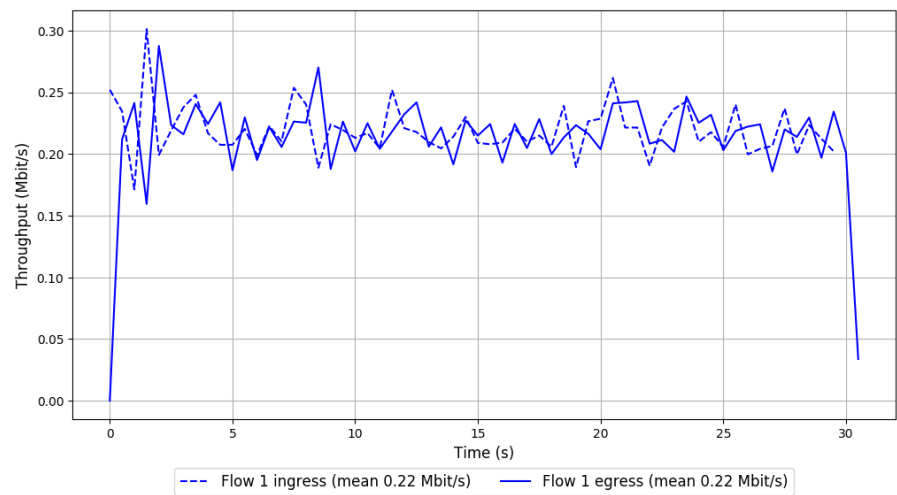
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.522 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

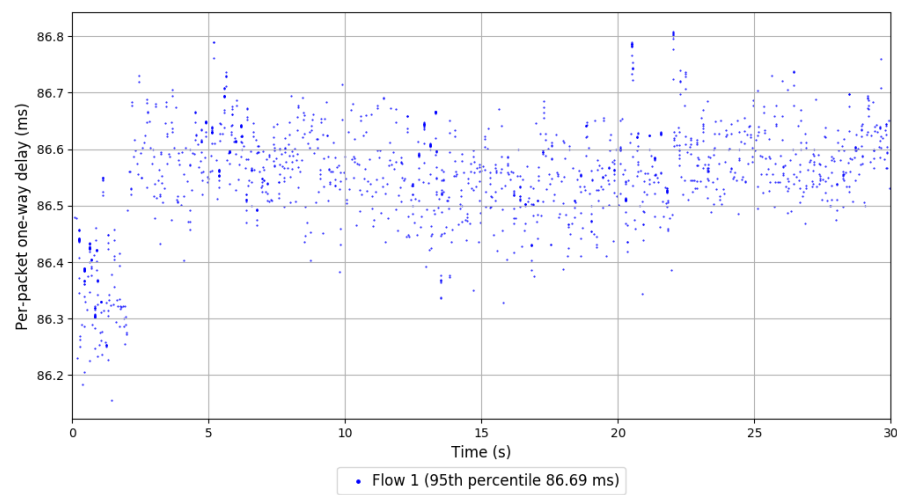
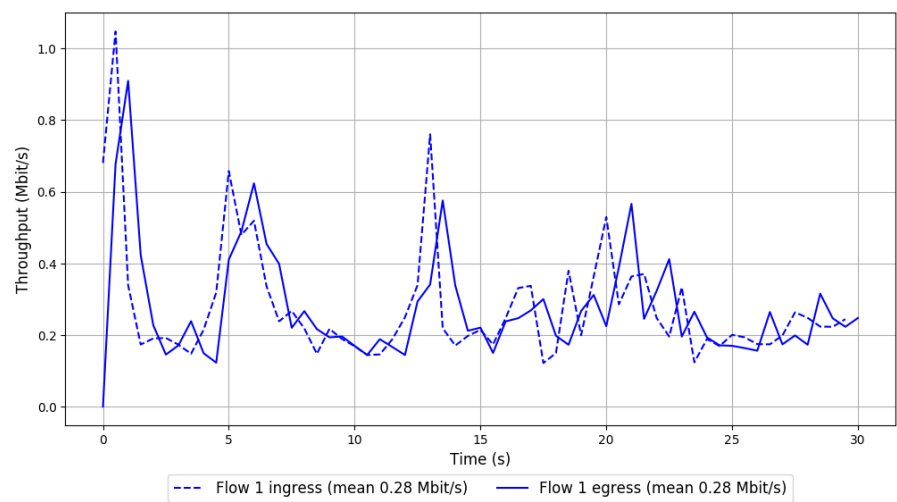


Run 1: Statistics of Sprout

Start at: 2018-08-27 19:32:16
End at: 2018-08-27 19:32:46
Local clock offset: -0.079 ms
Remote clock offset: -0.264 ms

Below is generated by plot.py at 2018-08-28 01:58:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 86.688 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 86.688 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

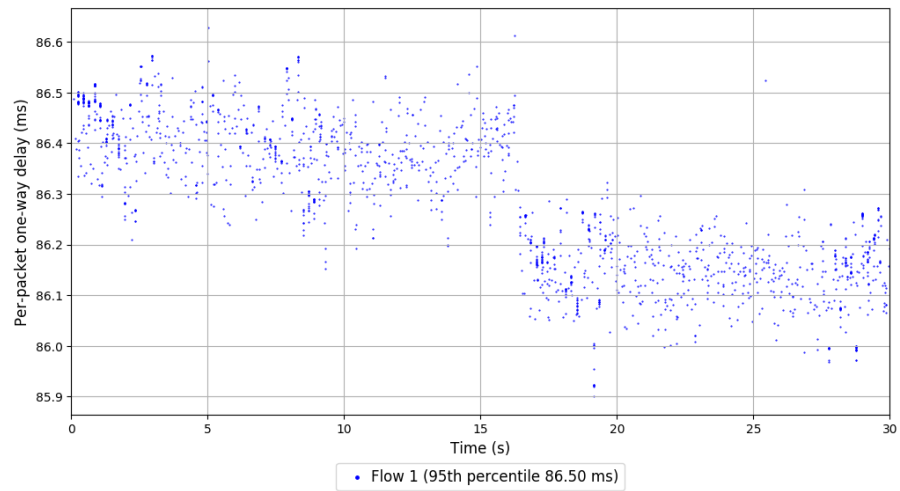
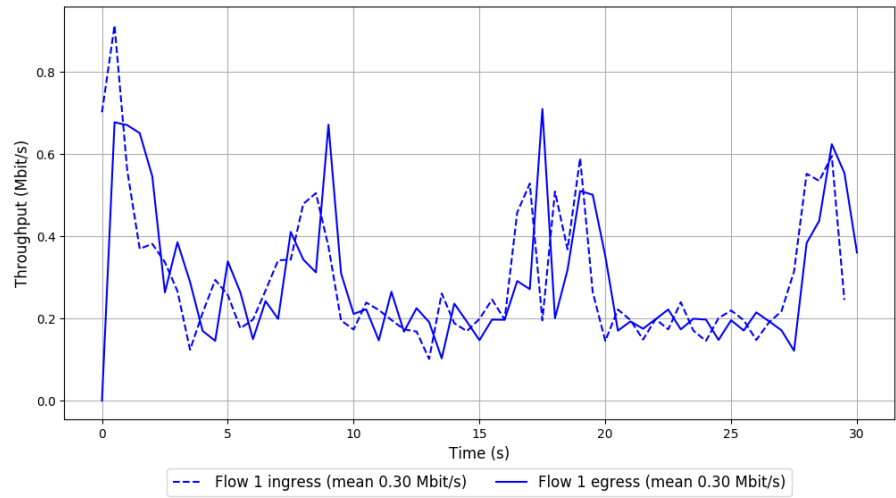


Run 2: Statistics of Sprout

Start at: 2018-08-27 19:56:41
End at: 2018-08-27 19:57:11
Local clock offset: 0.192 ms
Remote clock offset: -0.263 ms

Below is generated by plot.py at 2018-08-28 01:58:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 86.497 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 86.497 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

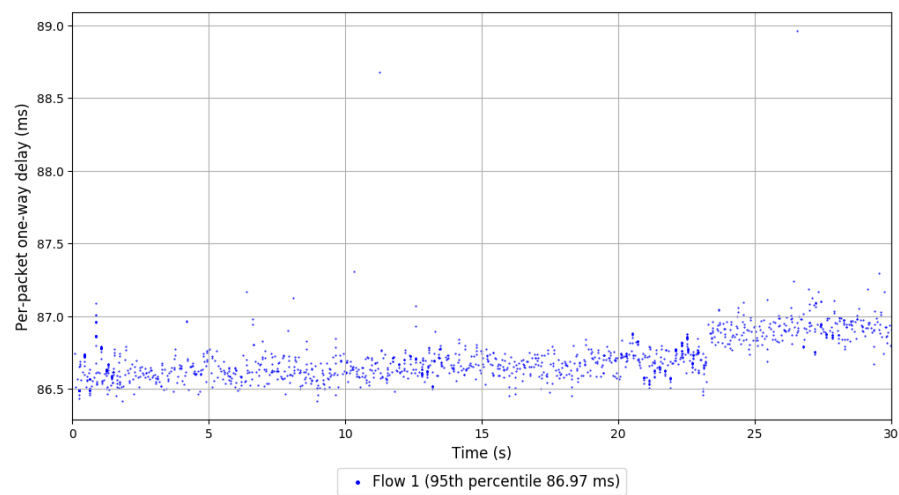
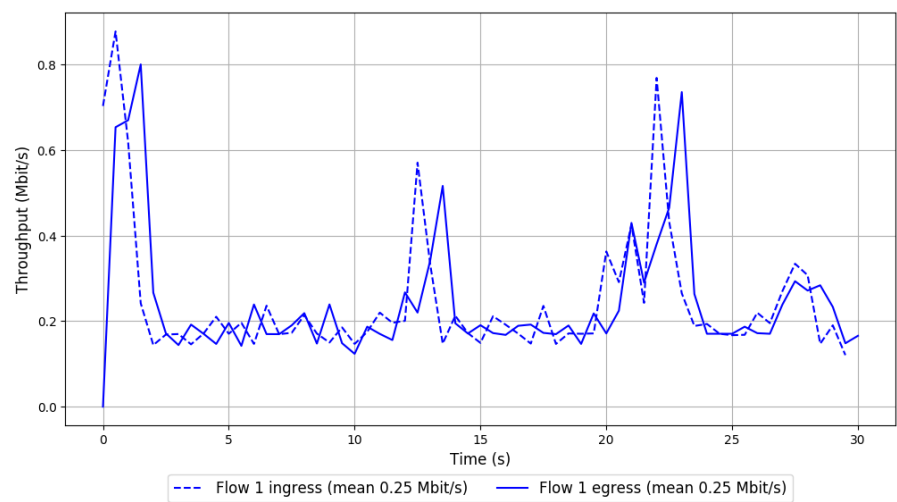


Run 3: Statistics of Sprout

Start at: 2018-08-27 20:20:54
End at: 2018-08-27 20:21:24
Local clock offset: -0.047 ms
Remote clock offset: -0.297 ms

Below is generated by plot.py at 2018-08-28 01:58:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 86.967 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 86.967 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

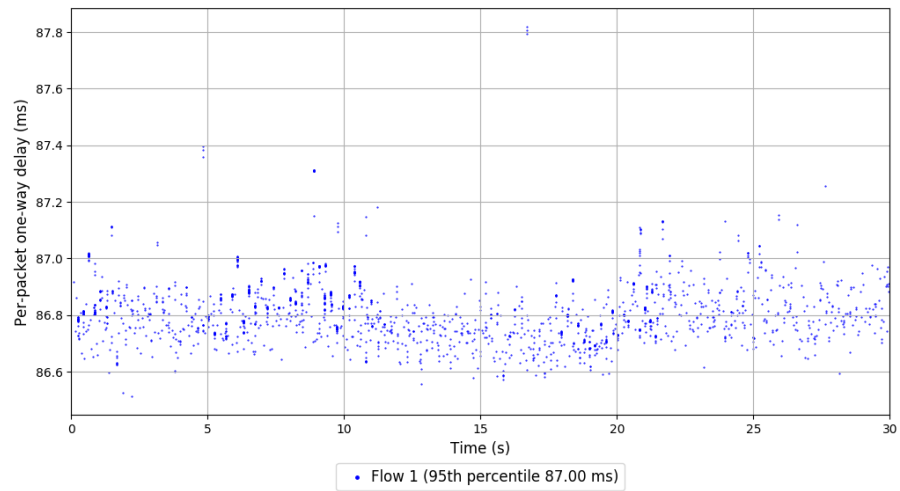
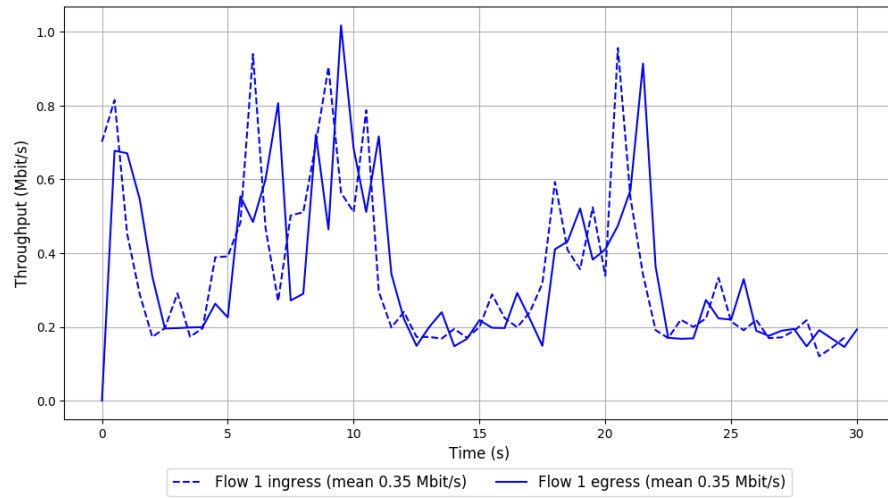


Run 4: Statistics of Sprout

Start at: 2018-08-27 20:44:56
End at: 2018-08-27 20:45:26
Local clock offset: -0.204 ms
Remote clock offset: -0.353 ms

Below is generated by plot.py at 2018-08-28 01:58:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 86.999 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 86.999 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-08-27 21:09:23

End at: 2018-08-27 21:09:53

Local clock offset: -0.183 ms

Remote clock offset: -0.35 ms

Below is generated by plot.py at 2018-08-28 01:58:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 86.966 ms

Loss rate: 0.00%

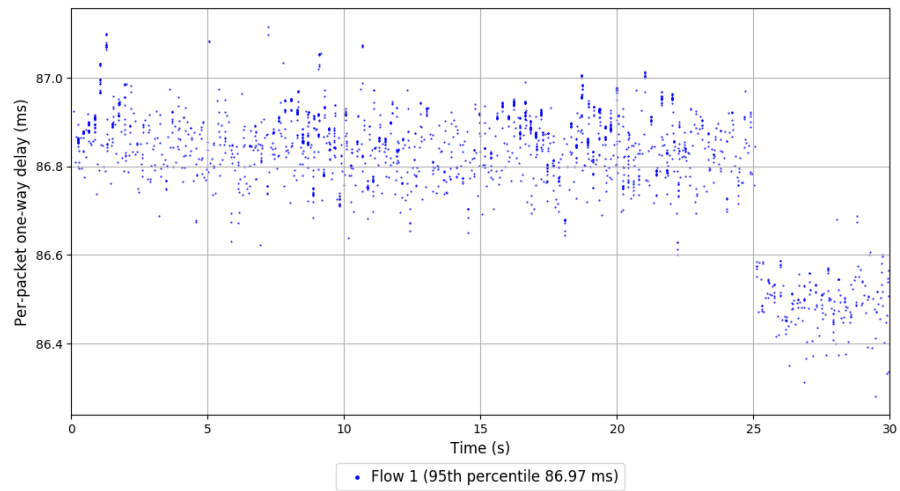
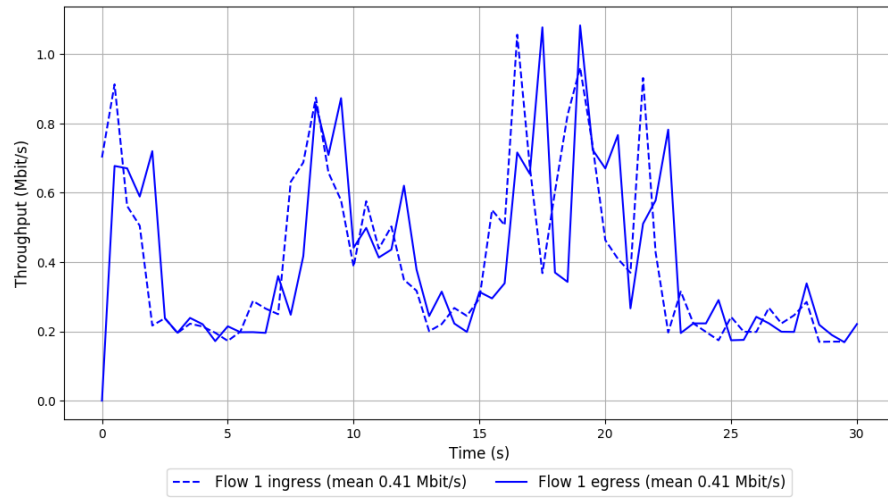
-- Flow 1:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 86.966 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

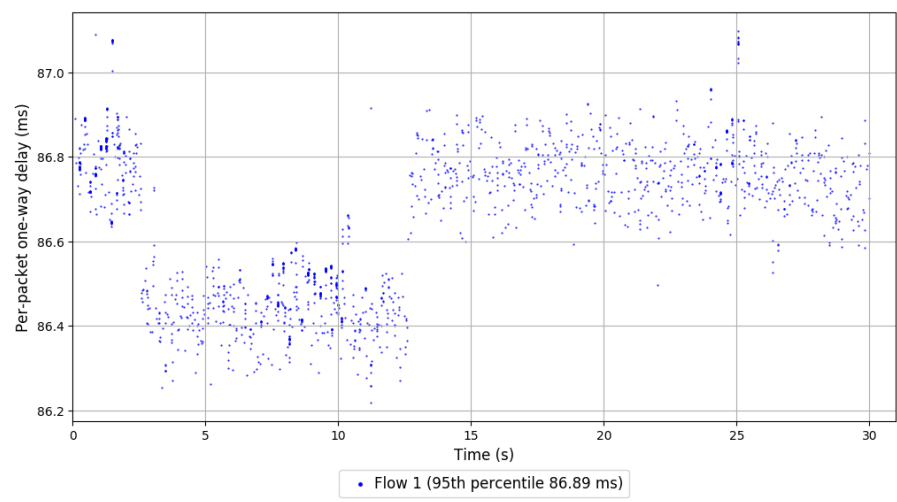
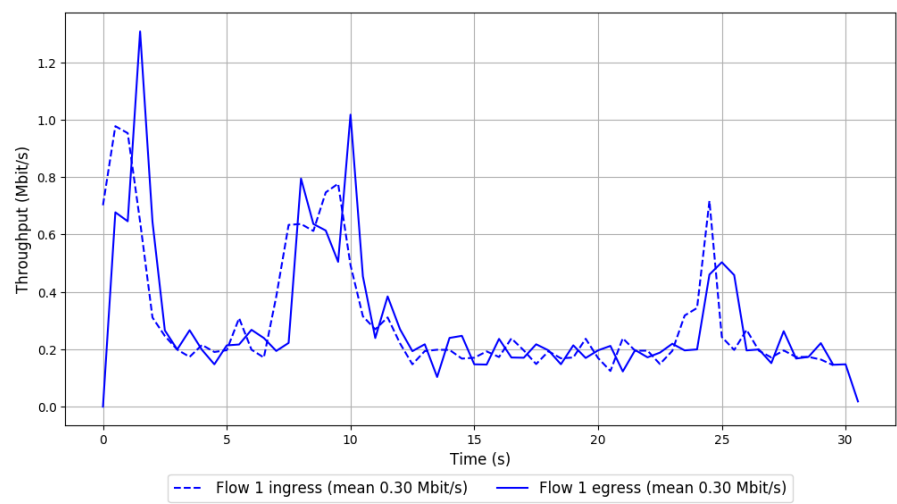


Run 6: Statistics of Sprout

Start at: 2018-08-27 21:33:45
End at: 2018-08-27 21:34:15
Local clock offset: -0.167 ms
Remote clock offset: -0.422 ms

Below is generated by plot.py at 2018-08-28 01:58:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 86.887 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 86.887 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

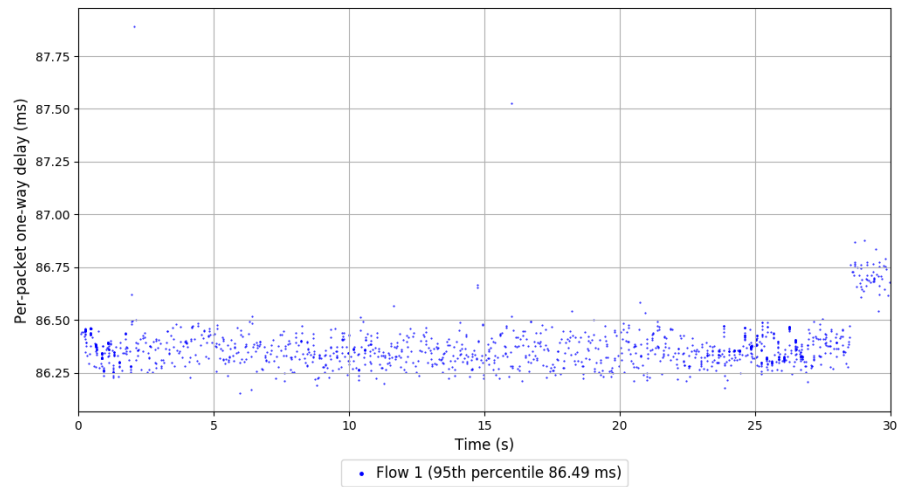
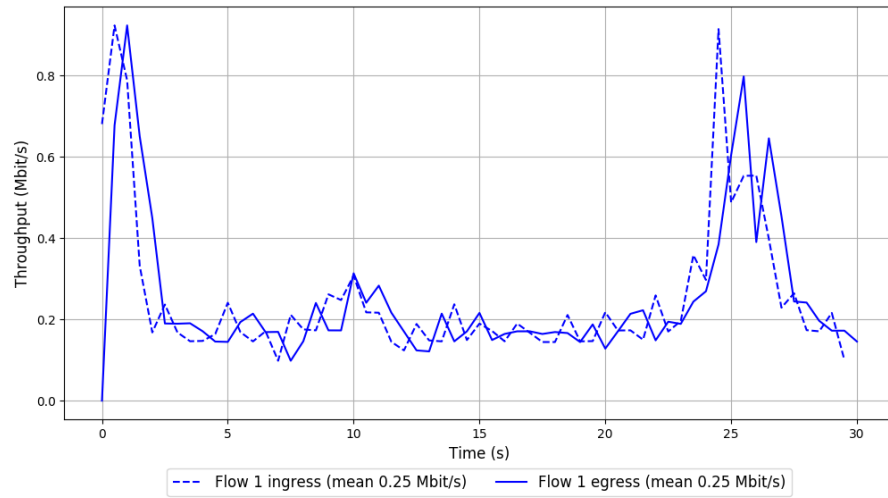


Run 7: Statistics of Sprout

Start at: 2018-08-27 21:58:09
End at: 2018-08-27 21:58:39
Local clock offset: -0.194 ms
Remote clock offset: -0.368 ms

Below is generated by plot.py at 2018-08-28 01:58:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 86.491 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 86.491 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-08-27 22:22:32

End at: 2018-08-27 22:23:02

Local clock offset: -0.342 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-08-28 01:58:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 87.030 ms

Loss rate: 0.00%

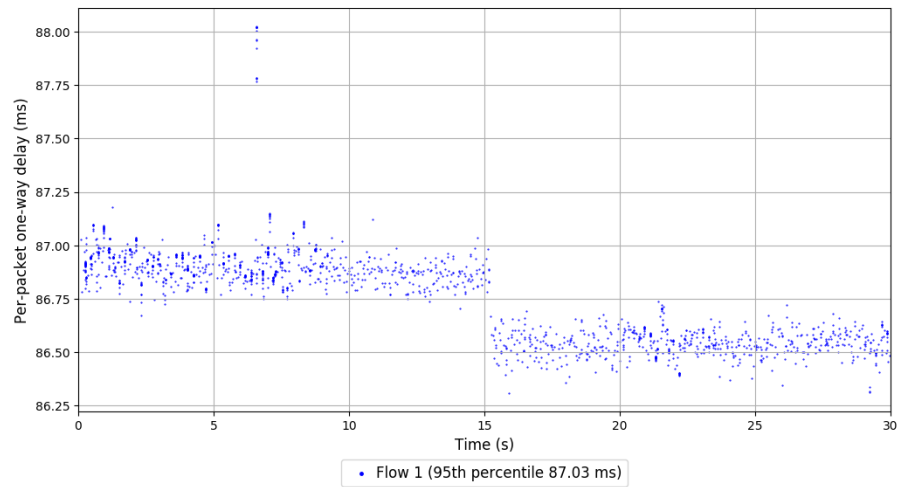
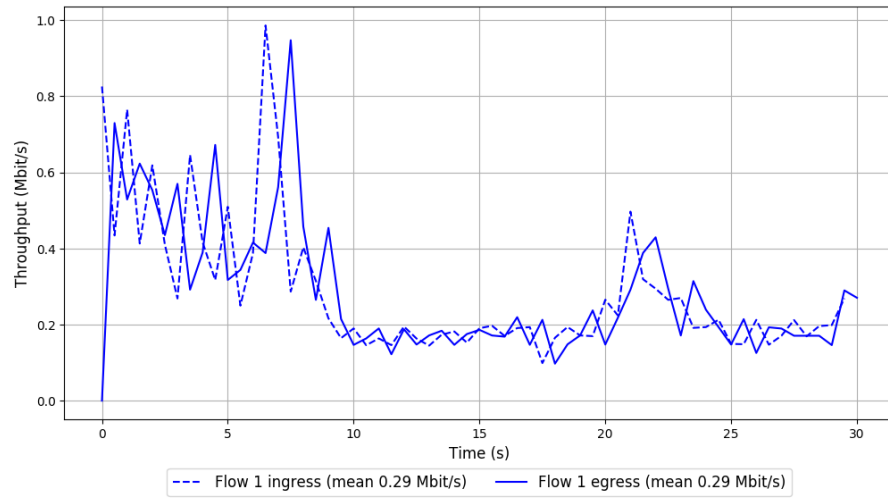
-- Flow 1:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 87.030 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-08-27 22:47:09

End at: 2018-08-27 22:47:39

Local clock offset: -0.057 ms

Remote clock offset: 0.125 ms

Below is generated by plot.py at 2018-08-28 01:58:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.065 ms

Loss rate: 0.00%

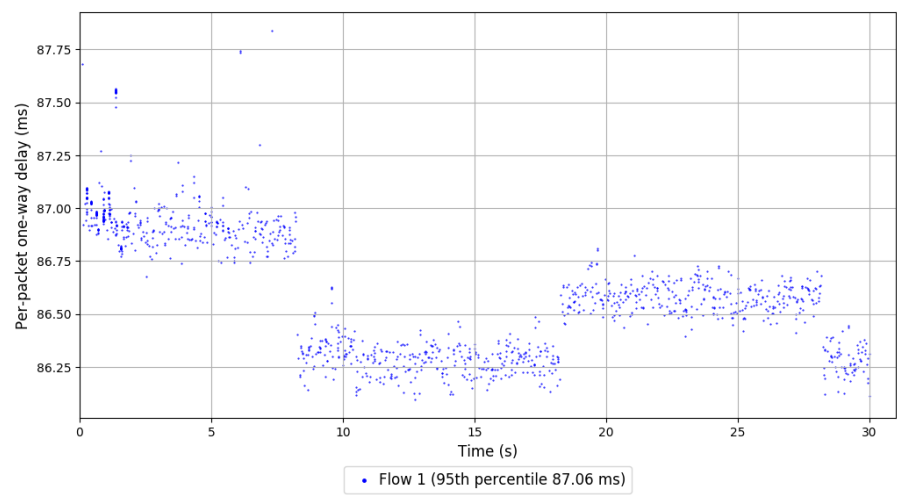
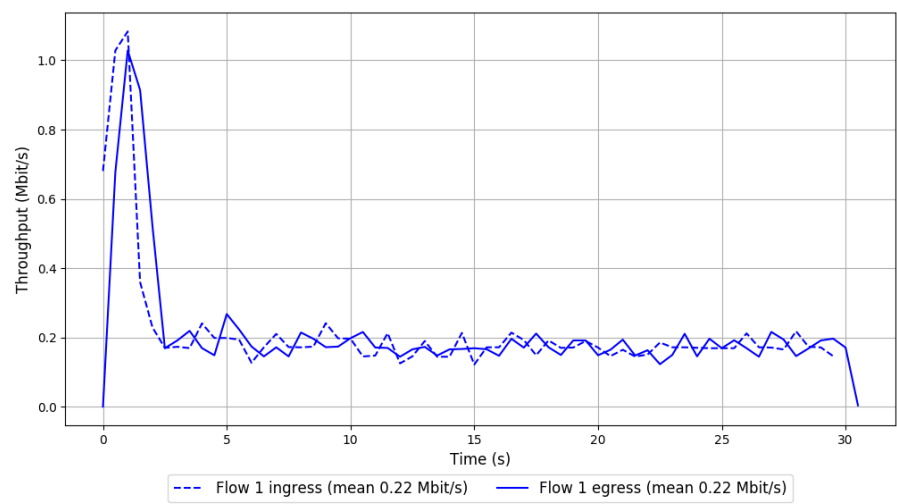
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.065 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-08-27 23:11:24

End at: 2018-08-27 23:11:54

Local clock offset: 0.031 ms

Remote clock offset: 0.061 ms

Below is generated by plot.py at 2018-08-28 01:58:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 87.033 ms

Loss rate: 0.00%

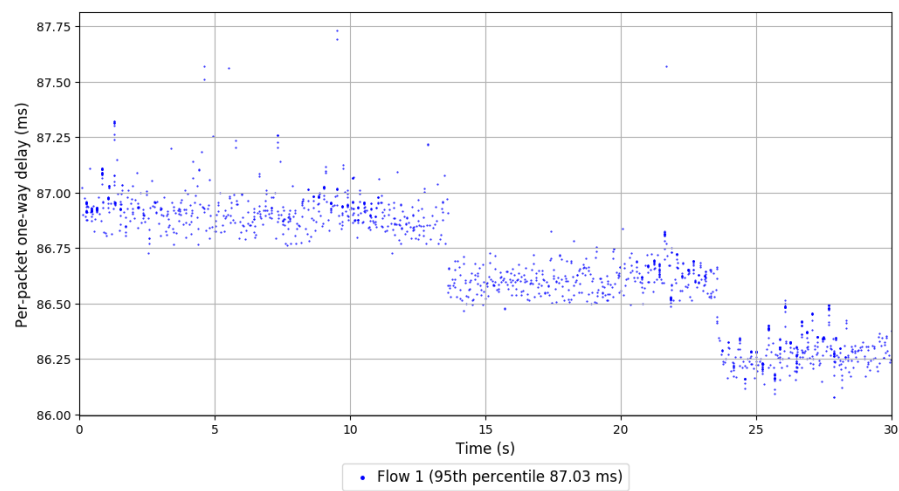
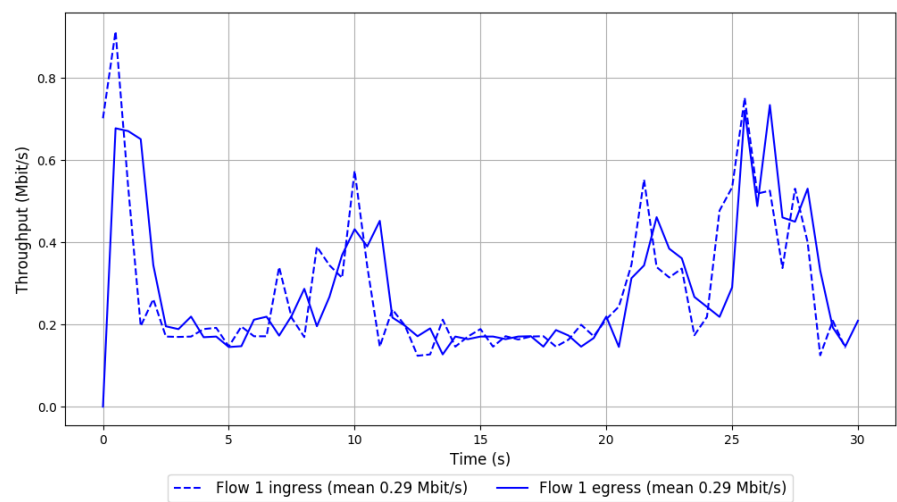
-- Flow 1:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 87.033 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-08-27 19:38:45

End at: 2018-08-27 19:39:15

Local clock offset: 0.119 ms

Remote clock offset: -0.265 ms

Below is generated by plot.py at 2018-08-28 01:58:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 234.36 Mbit/s

95th percentile per-packet one-way delay: 86.362 ms

Loss rate: 0.00%

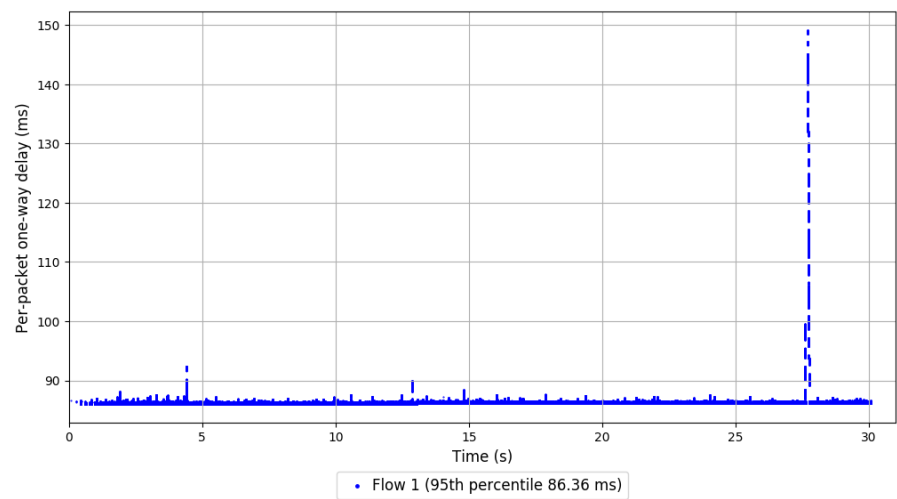
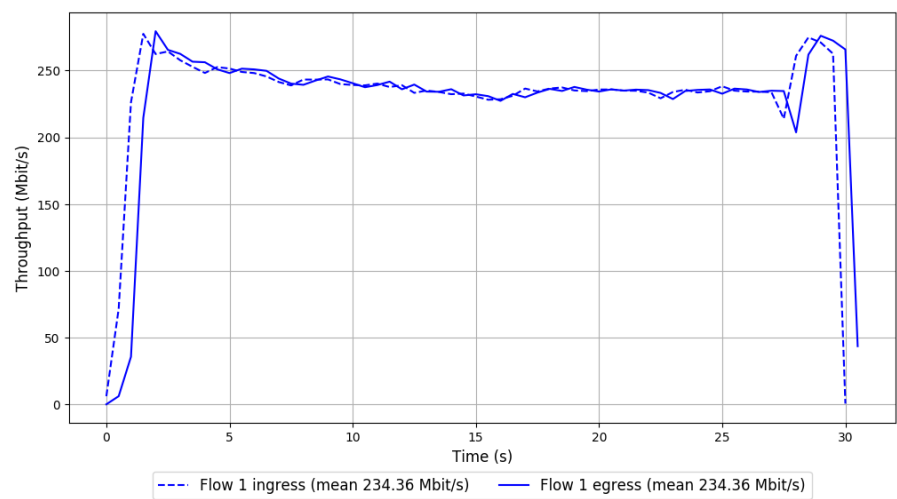
-- Flow 1:

Average throughput: 234.36 Mbit/s

95th percentile per-packet one-way delay: 86.362 ms

Loss rate: 0.00%

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

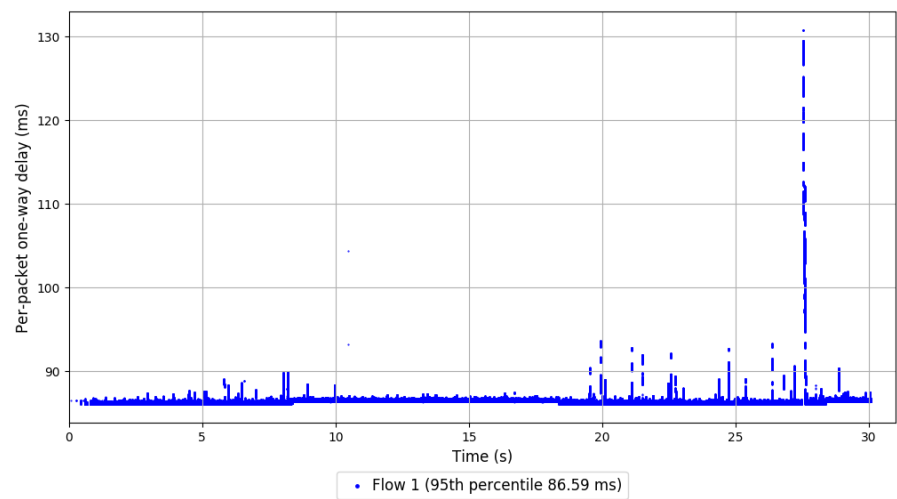
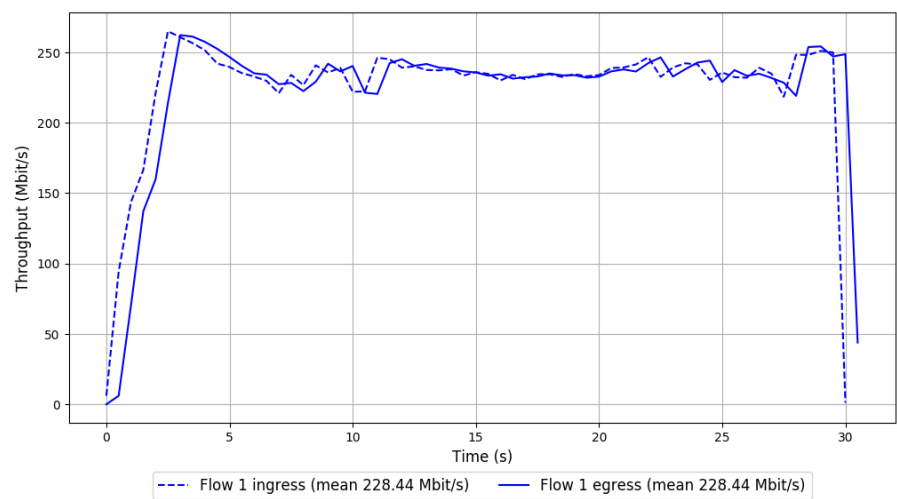


Run 2: Statistics of TaoVA-100x

Start at: 2018-08-27 20:03:09
End at: 2018-08-27 20:03:39
Local clock offset: -0.049 ms
Remote clock offset: -0.271 ms

Below is generated by plot.py at 2018-08-28 01:58:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 228.44 Mbit/s
95th percentile per-packet one-way delay: 86.591 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 228.44 Mbit/s
95th percentile per-packet one-way delay: 86.591 ms
Loss rate: 0.00%

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

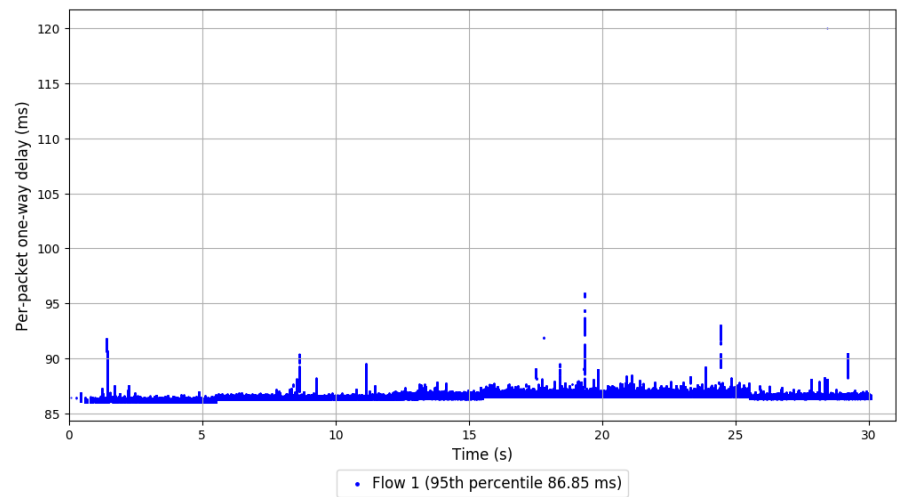
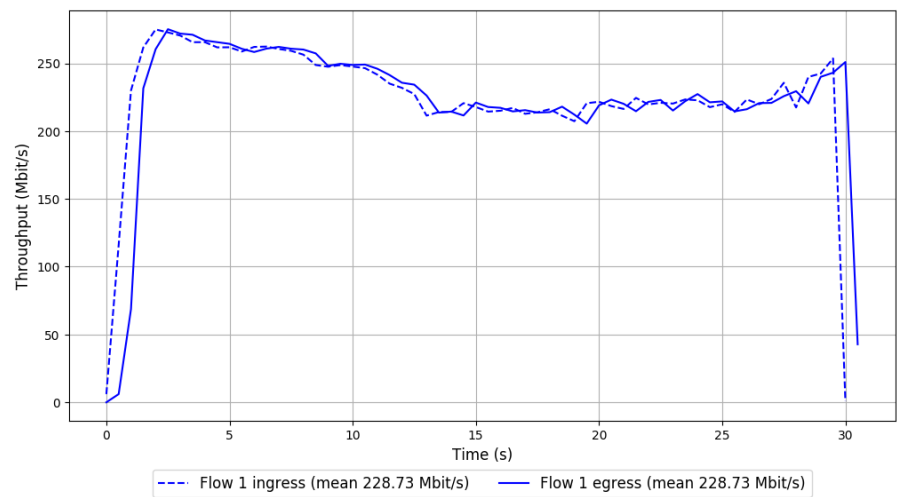


Run 3: Statistics of TaoVA-100x

Start at: 2018-08-27 20:27:22
End at: 2018-08-27 20:27:52
Local clock offset: -0.061 ms
Remote clock offset: -0.323 ms

Below is generated by plot.py at 2018-08-28 01:58:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 228.73 Mbit/s
95th percentile per-packet one-way delay: 86.849 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 228.73 Mbit/s
95th percentile per-packet one-way delay: 86.849 ms
Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-08-27 20:51:24

End at: 2018-08-27 20:51:54

Local clock offset: 0.043 ms

Remote clock offset: -0.343 ms

Below is generated by plot.py at 2018-08-28 01:58:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.33 Mbit/s

95th percentile per-packet one-way delay: 86.954 ms

Loss rate: 0.00%

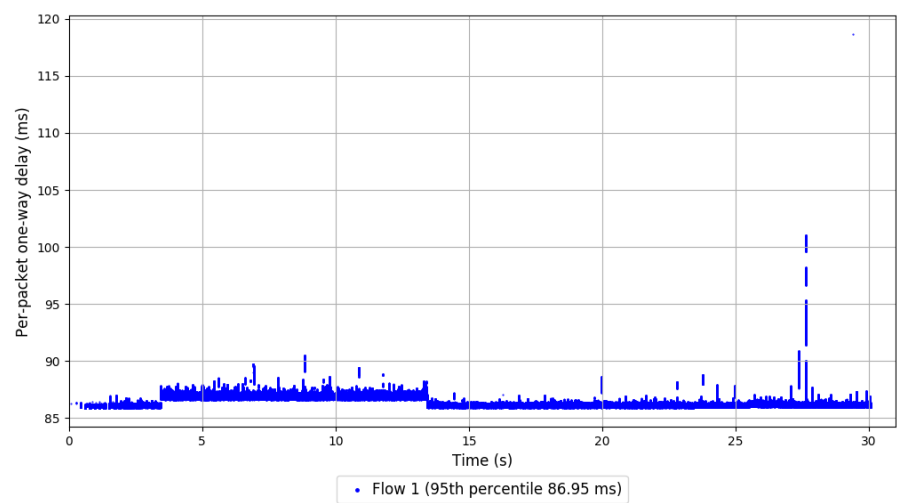
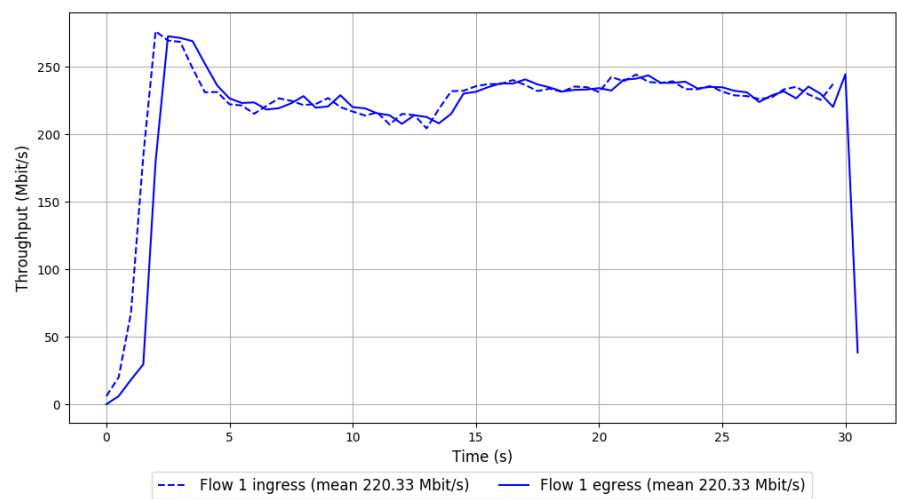
-- Flow 1:

Average throughput: 220.33 Mbit/s

95th percentile per-packet one-way delay: 86.954 ms

Loss rate: 0.00%

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

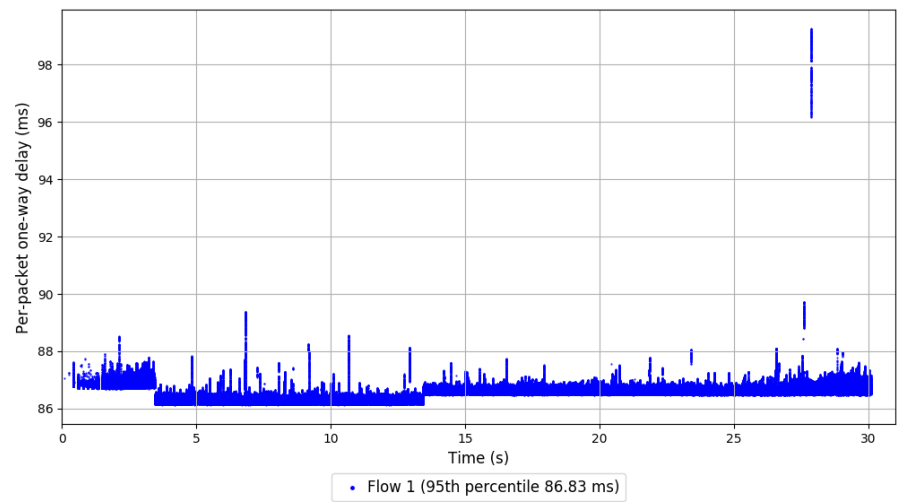
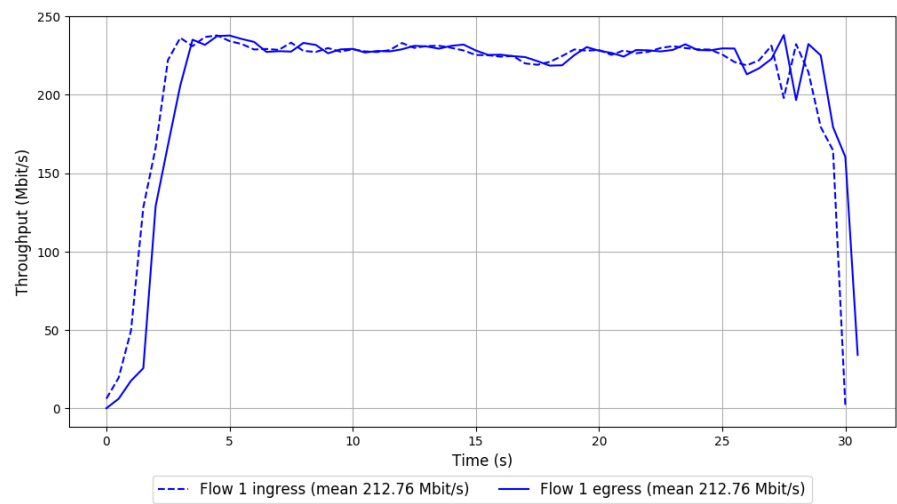


Run 5: Statistics of TaoVA-100x

Start at: 2018-08-27 21:15:54
End at: 2018-08-27 21:16:24
Local clock offset: -0.109 ms
Remote clock offset: -0.352 ms

Below is generated by plot.py at 2018-08-28 02:03:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 212.76 Mbit/s
95th percentile per-packet one-way delay: 86.834 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 212.76 Mbit/s
95th percentile per-packet one-way delay: 86.834 ms
Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-08-27 21:40:16

End at: 2018-08-27 21:40:46

Local clock offset: 0.192 ms

Remote clock offset: -0.409 ms

Below is generated by plot.py at 2018-08-28 02:04:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 229.88 Mbit/s

95th percentile per-packet one-way delay: 86.389 ms

Loss rate: 0.00%

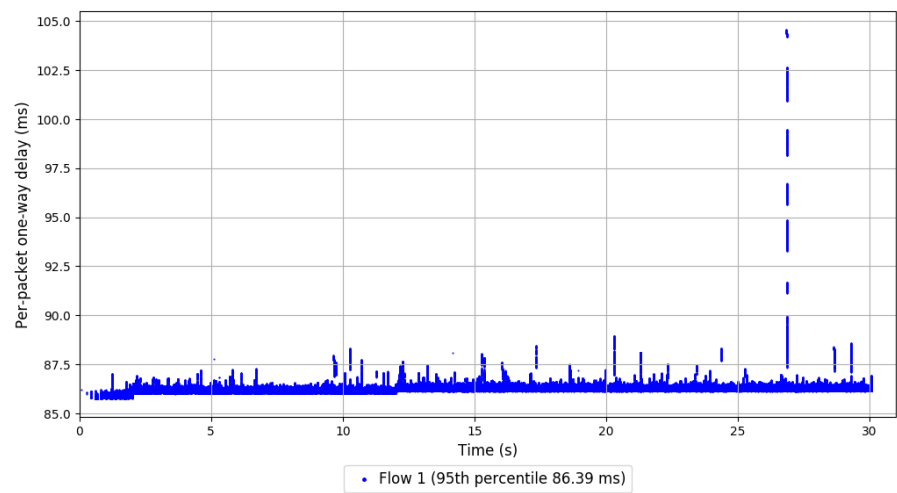
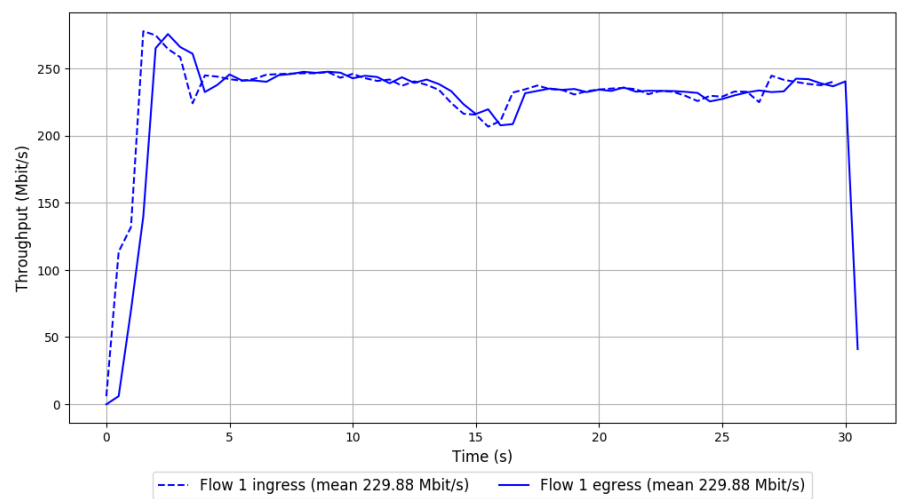
-- Flow 1:

Average throughput: 229.88 Mbit/s

95th percentile per-packet one-way delay: 86.389 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-08-27 22:04:33

End at: 2018-08-27 22:05:03

Local clock offset: -0.096 ms

Remote clock offset: -0.18 ms

Below is generated by plot.py at 2018-08-28 02:04:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 236.54 Mbit/s

95th percentile per-packet one-way delay: 86.489 ms

Loss rate: 0.00%

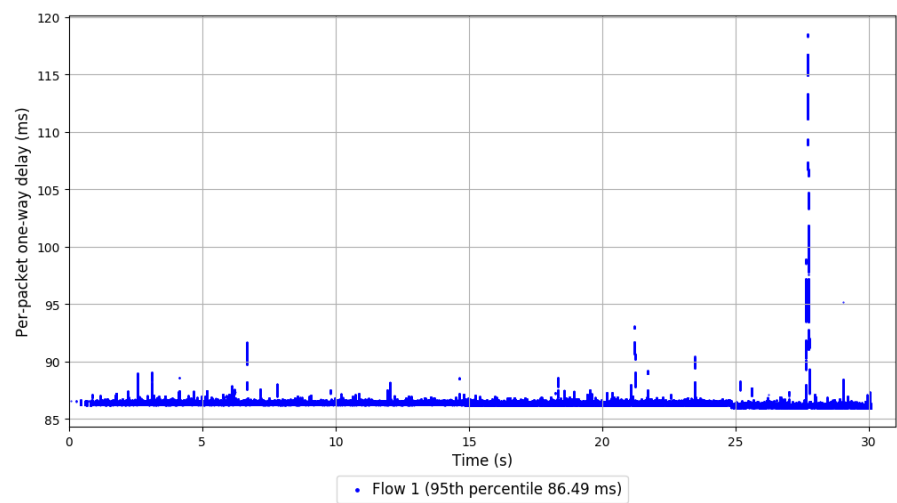
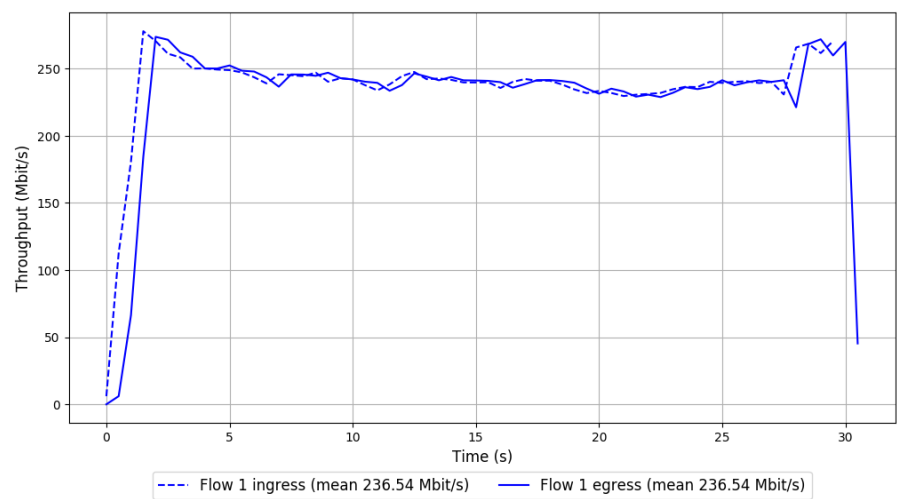
-- Flow 1:

Average throughput: 236.54 Mbit/s

95th percentile per-packet one-way delay: 86.489 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-08-27 22:29:03

End at: 2018-08-27 22:29:33

Local clock offset: 0.002 ms

Remote clock offset: 0.071 ms

Below is generated by plot.py at 2018-08-28 02:04:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.11 Mbit/s

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

Loss rate: 0.00%

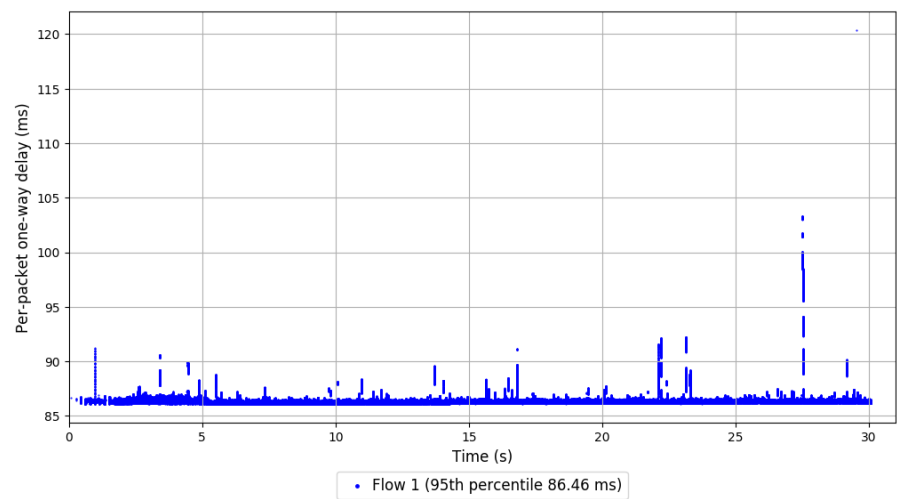
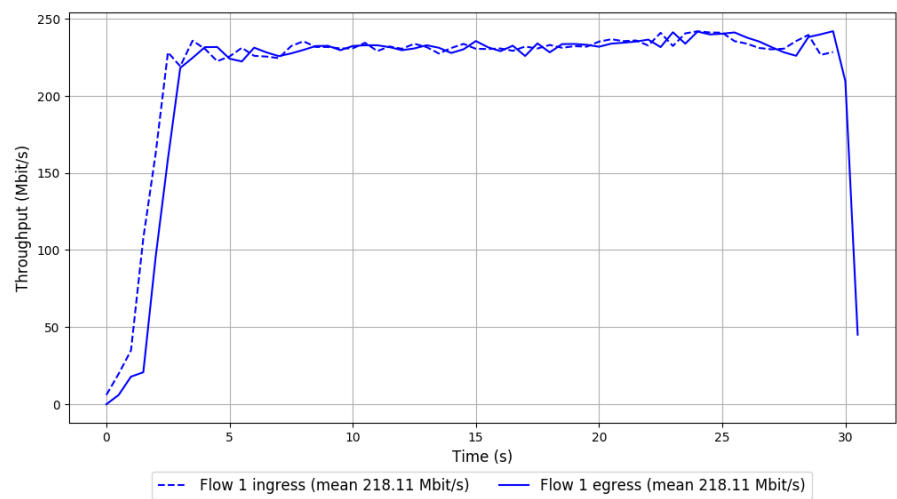
-- Flow 1:

Average throughput: 218.11 Mbit/s

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

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-08-27 22:53:42

End at: 2018-08-27 22:54:12

Local clock offset: -0.047 ms

Remote clock offset: 0.229 ms

Below is generated by plot.py at 2018-08-28 02:05:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 237.52 Mbit/s

95th percentile per-packet one-way delay: 86.635 ms

Loss rate: 0.00%

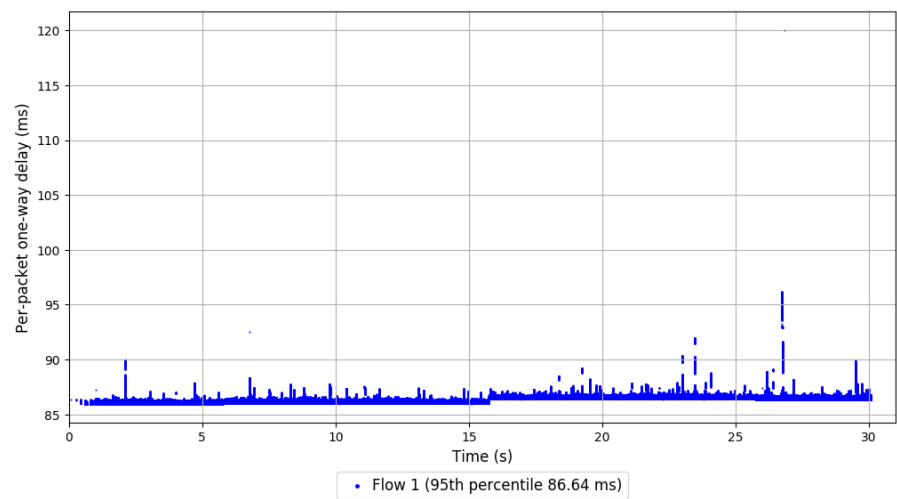
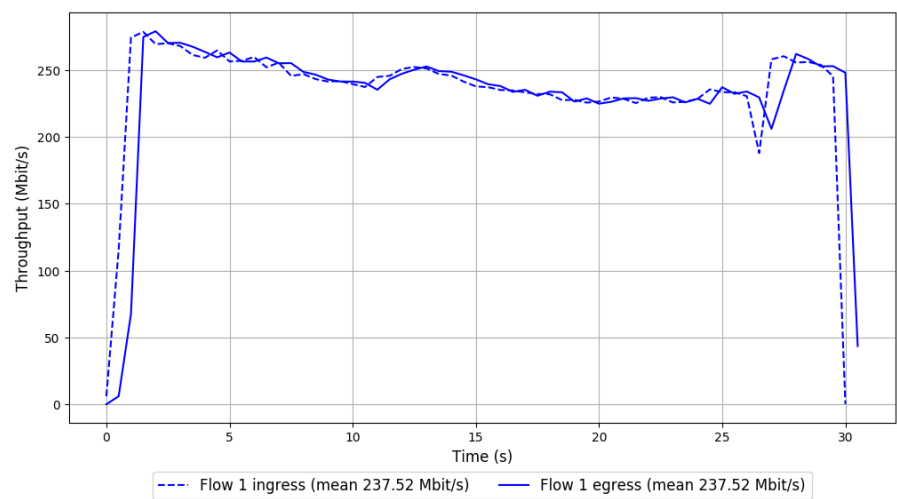
-- Flow 1:

Average throughput: 237.52 Mbit/s

95th percentile per-packet one-way delay: 86.635 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-08-27 23:17:53

End at: 2018-08-27 23:18:23

Local clock offset: 0.034 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-08-28 02:05:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.33 Mbit/s

95th percentile per-packet one-way delay: 86.933 ms

Loss rate: 0.00%

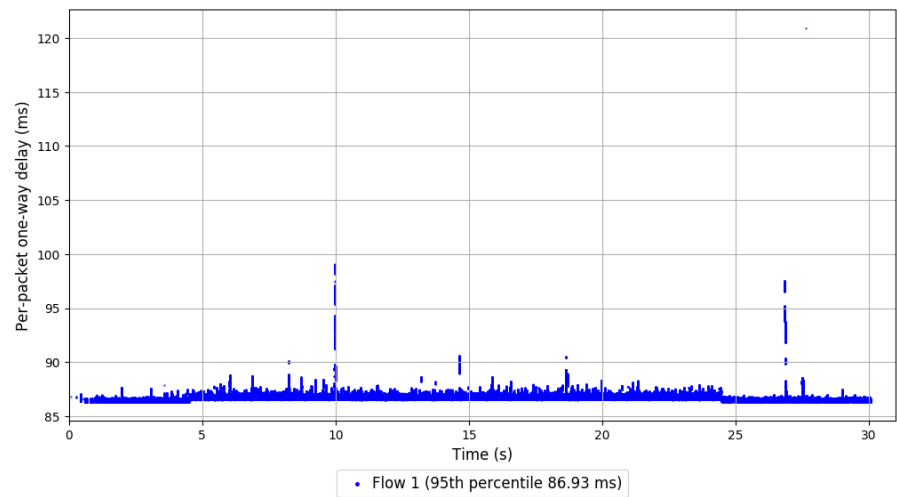
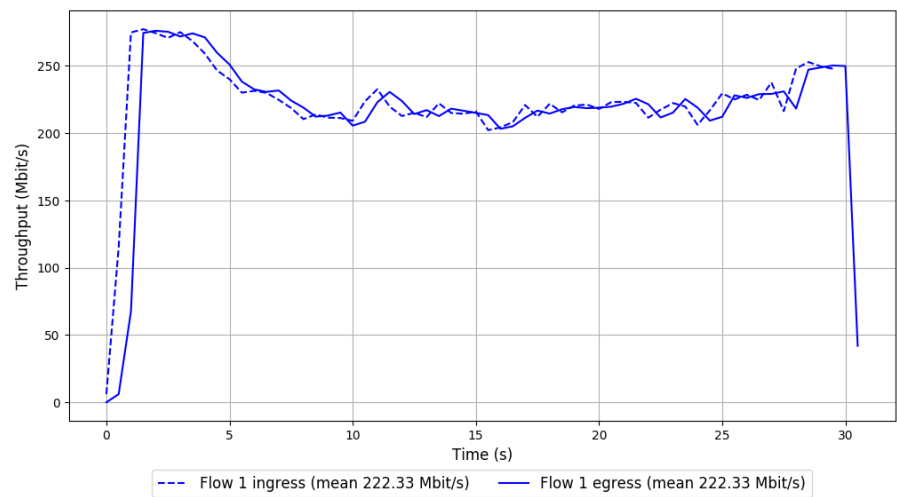
-- Flow 1:

Average throughput: 222.33 Mbit/s

95th percentile per-packet one-way delay: 86.933 ms

Loss rate: 0.00%

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

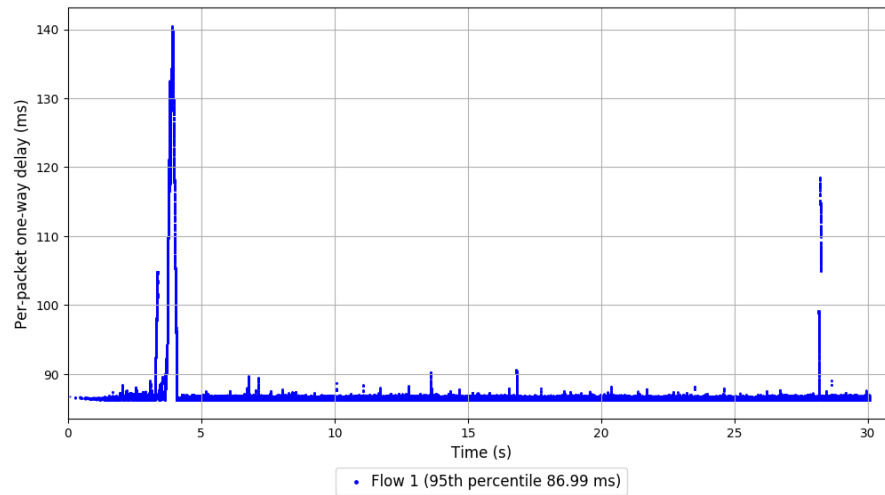
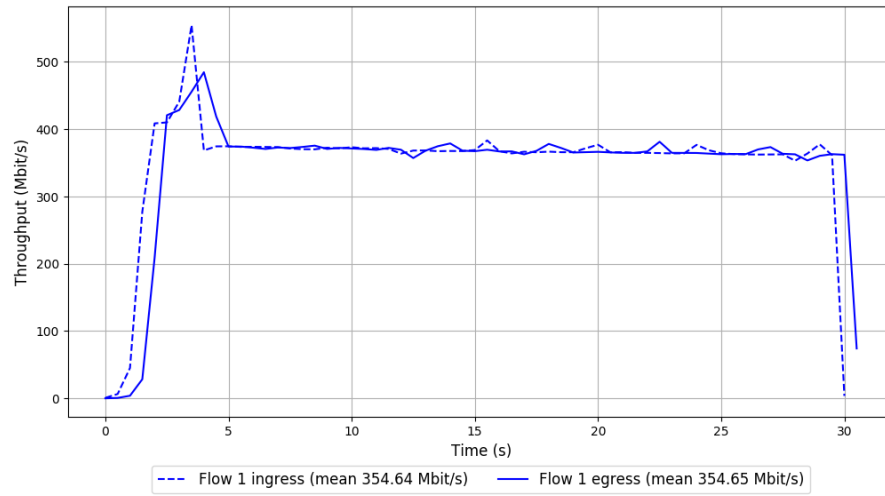


Run 1: Statistics of TCP Vegas

Start at: 2018-08-27 19:44:57
End at: 2018-08-27 19:45:27
Local clock offset: 0.036 ms
Remote clock offset: -0.262 ms

Below is generated by plot.py at 2018-08-28 02:05:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 354.65 Mbit/s
95th percentile per-packet one-way delay: 86.990 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 354.65 Mbit/s
95th percentile per-packet one-way delay: 86.990 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

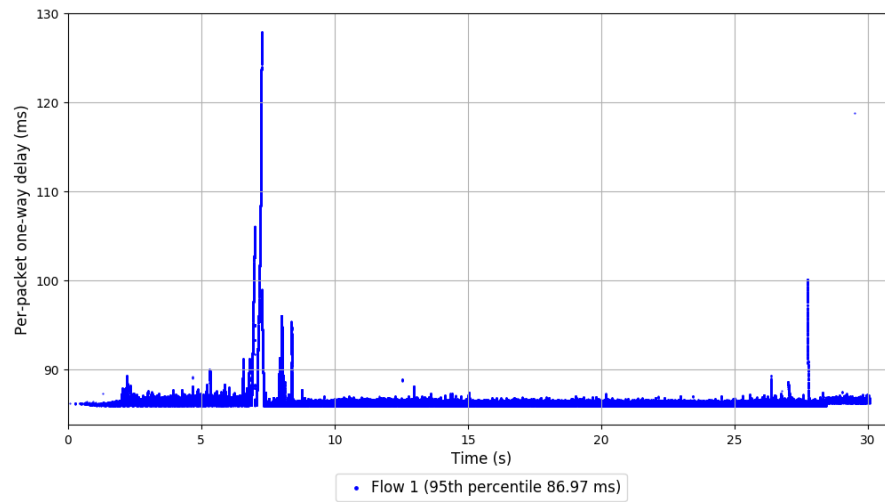
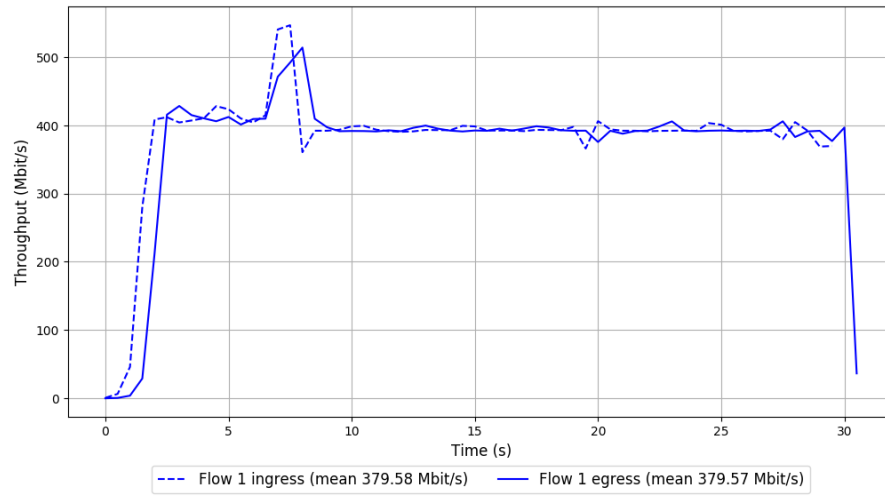


Run 2: Statistics of TCP Vegas

Start at: 2018-08-27 20:09:19
End at: 2018-08-27 20:09:49
Local clock offset: 0.065 ms
Remote clock offset: -0.323 ms

Below is generated by plot.py at 2018-08-28 02:05:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 379.57 Mbit/s
95th percentile per-packet one-way delay: 86.965 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 379.57 Mbit/s
95th percentile per-packet one-way delay: 86.965 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

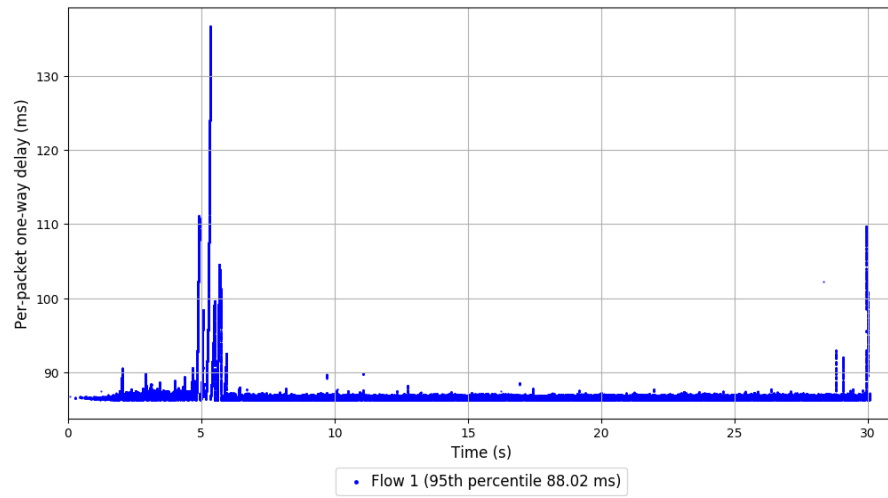
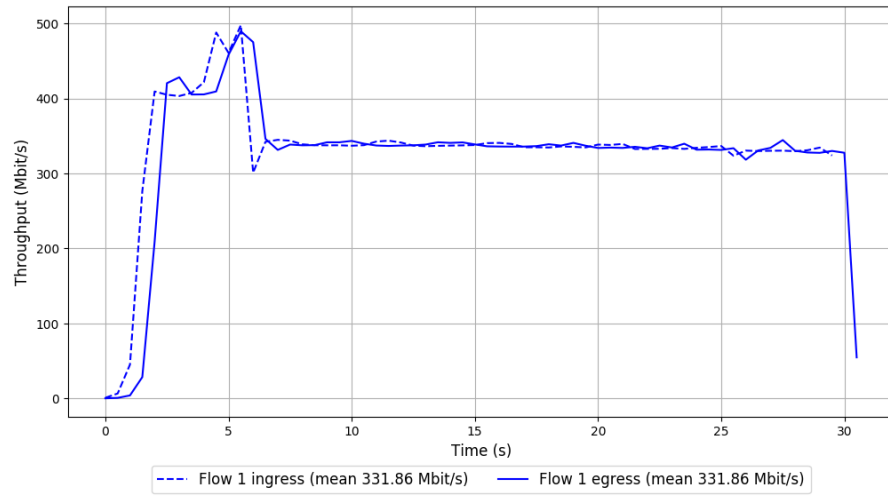


Run 3: Statistics of TCP Vegas

Start at: 2018-08-27 20:33:30
End at: 2018-08-27 20:34:00
Local clock offset: -0.009 ms
Remote clock offset: -0.324 ms

Below is generated by plot.py at 2018-08-28 02:08:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 331.86 Mbit/s
95th percentile per-packet one-way delay: 88.023 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 331.86 Mbit/s
95th percentile per-packet one-way delay: 88.023 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

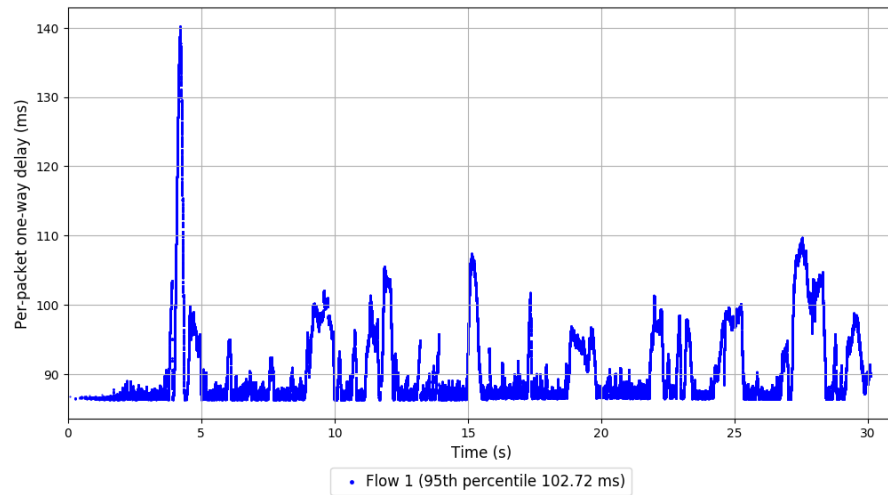
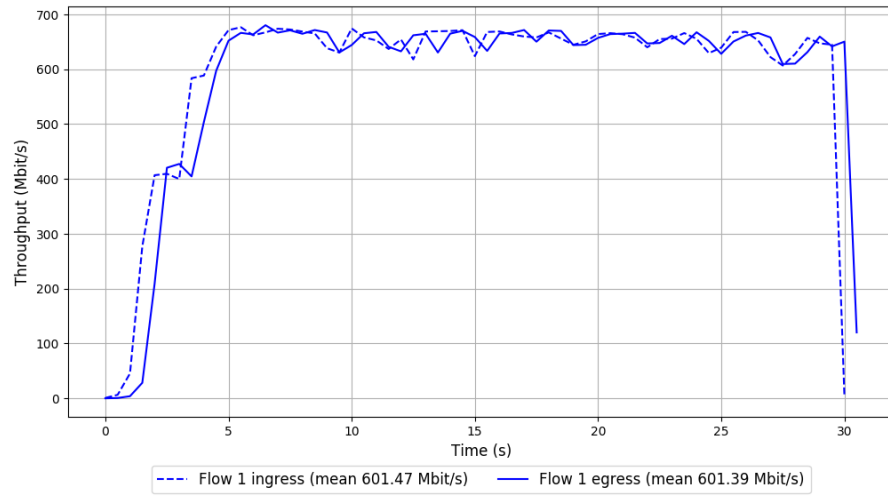


Run 4: Statistics of TCP Vegas

Start at: 2018-08-27 20:57:32
End at: 2018-08-27 20:58:02
Local clock offset: -0.069 ms
Remote clock offset: -0.394 ms

Below is generated by plot.py at 2018-08-28 02:15:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 601.39 Mbit/s
95th percentile per-packet one-way delay: 102.722 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 601.39 Mbit/s
95th percentile per-packet one-way delay: 102.722 ms
Loss rate: 0.01%

Run 4: Report of TCP Vegas — Data Link

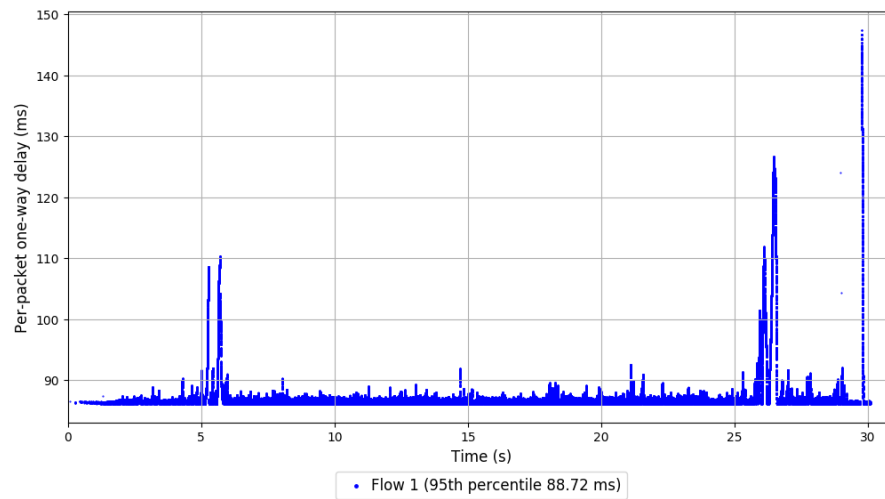
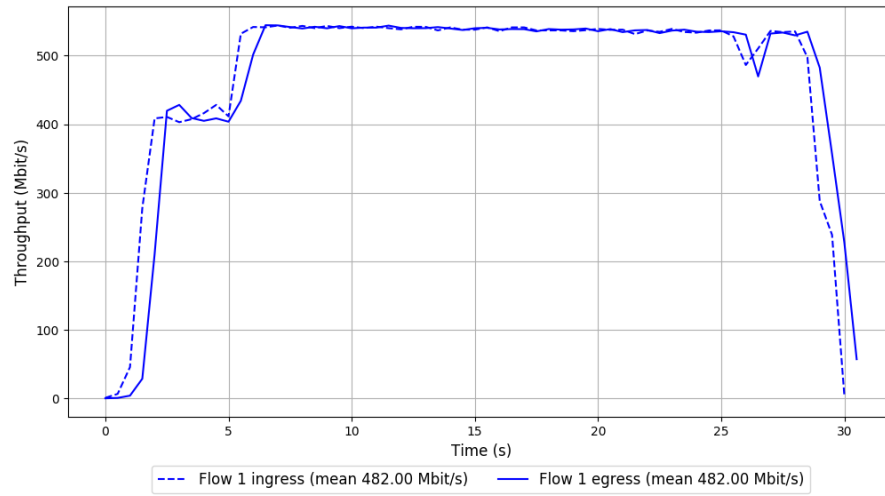


Run 5: Statistics of TCP Vegas

Start at: 2018-08-27 21:21:54
End at: 2018-08-27 21:22:24
Local clock offset: 0.225 ms
Remote clock offset: -0.368 ms

Below is generated by plot.py at 2018-08-28 02:15:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 482.00 Mbit/s
95th percentile per-packet one-way delay: 88.715 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 482.00 Mbit/s
95th percentile per-packet one-way delay: 88.715 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

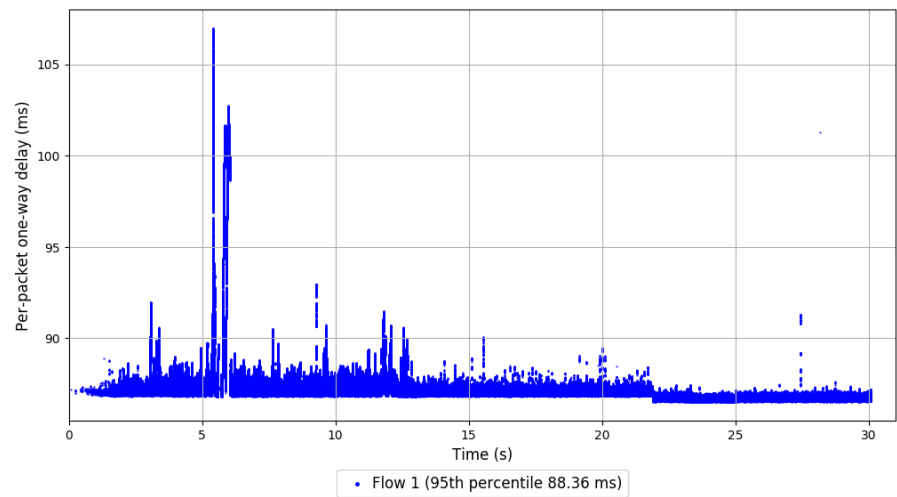
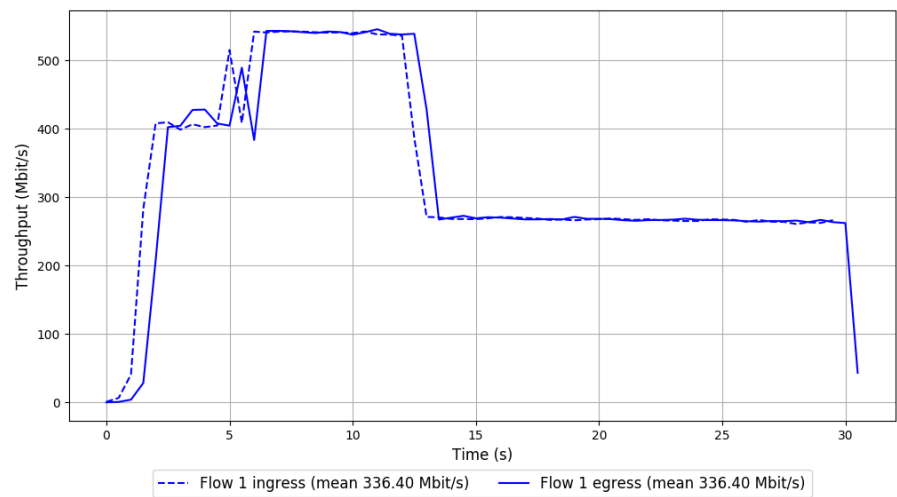


Run 6: Statistics of TCP Vegas

Start at: 2018-08-27 21:46:26
End at: 2018-08-27 21:46:56
Local clock offset: -0.191 ms
Remote clock offset: -0.435 ms

Below is generated by plot.py at 2018-08-28 02:15:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 336.40 Mbit/s
95th percentile per-packet one-way delay: 88.358 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 336.40 Mbit/s
95th percentile per-packet one-way delay: 88.358 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

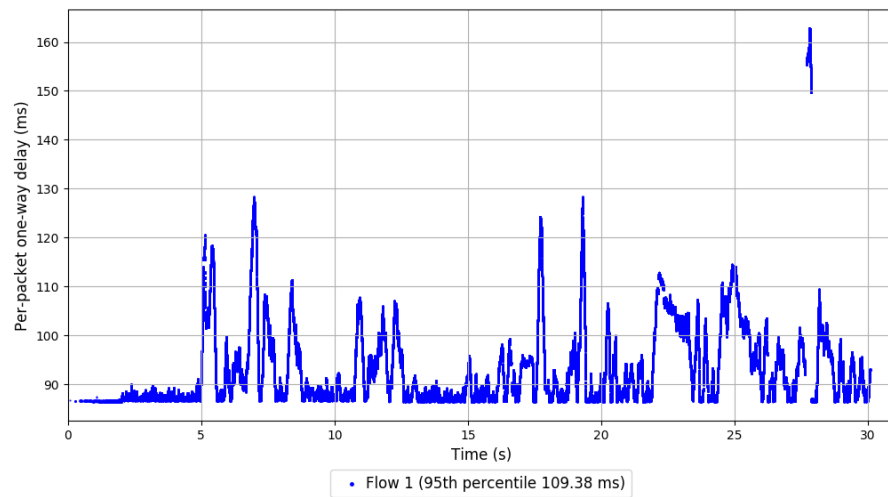
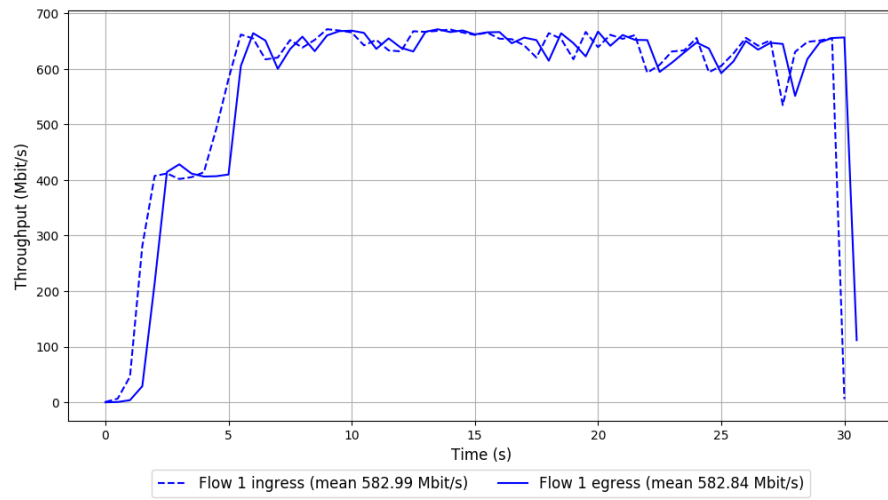


Run 7: Statistics of TCP Vegas

Start at: 2018-08-27 22:10:46
End at: 2018-08-27 22:11:16
Local clock offset: -0.08 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-08-28 02:15:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 582.84 Mbit/s
95th percentile per-packet one-way delay: 109.376 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 582.84 Mbit/s
95th percentile per-packet one-way delay: 109.376 ms
Loss rate: 0.03%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-08-27 22:35:18

End at: 2018-08-27 22:35:48

Local clock offset: 0.134 ms

Remote clock offset: 0.108 ms

Below is generated by plot.py at 2018-08-28 02:15:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 590.99 Mbit/s

95th percentile per-packet one-way delay: 111.979 ms

Loss rate: 0.06%

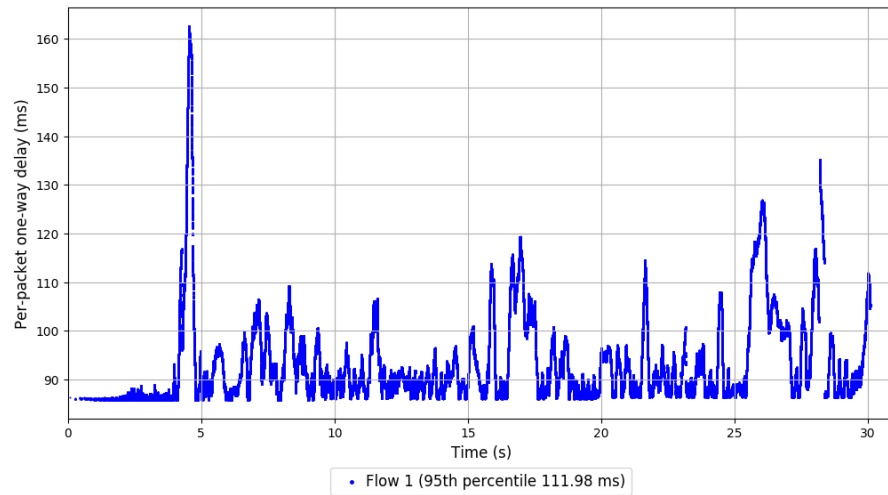
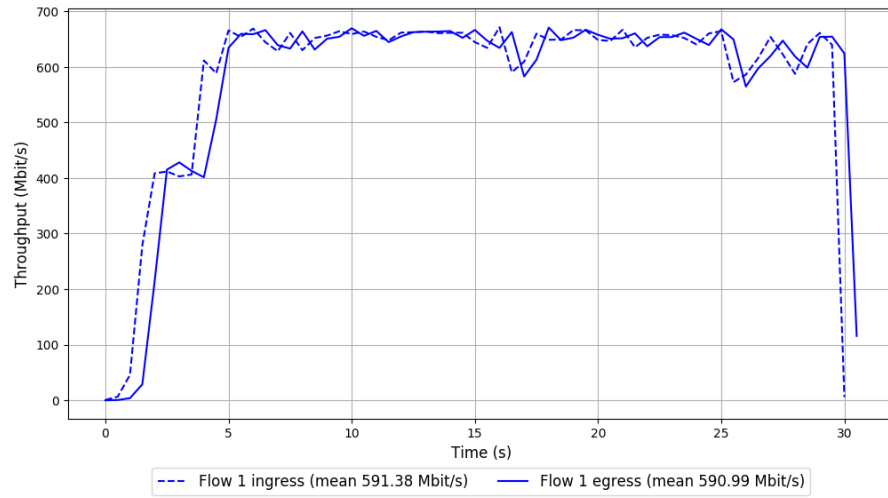
-- Flow 1:

Average throughput: 590.99 Mbit/s

95th percentile per-packet one-way delay: 111.979 ms

Loss rate: 0.06%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-08-27 22:59:50

End at: 2018-08-27 23:00:20

Local clock offset: 0.118 ms

Remote clock offset: 0.255 ms

Below is generated by plot.py at 2018-08-28 02:15:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 293.28 Mbit/s

95th percentile per-packet one-way delay: 88.541 ms

Loss rate: 0.00%

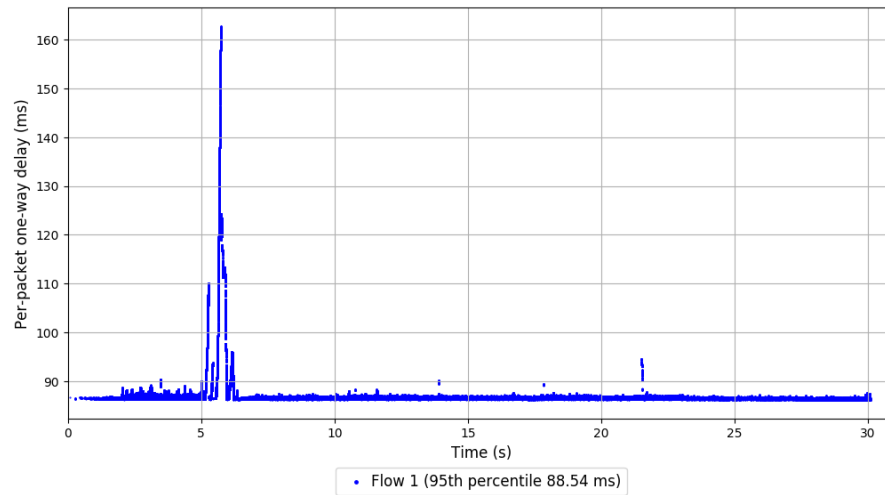
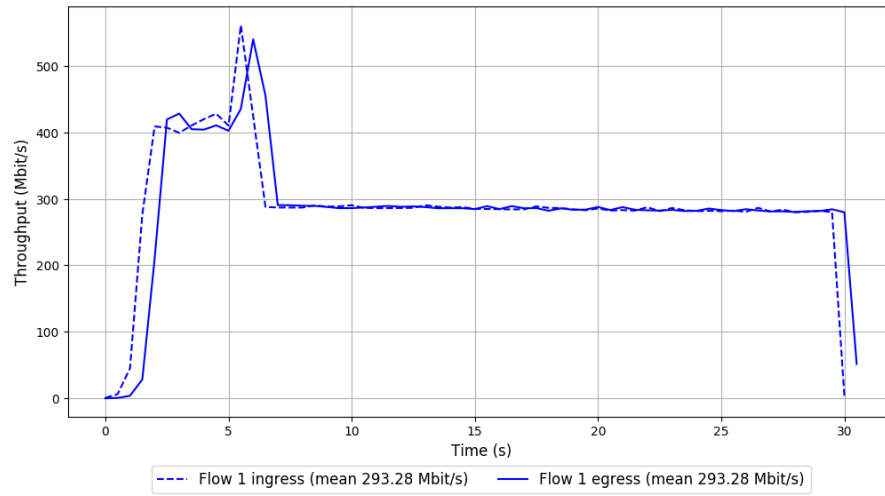
-- Flow 1:

Average throughput: 293.28 Mbit/s

95th percentile per-packet one-way delay: 88.541 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

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

End at: 2018-08-27 23:24:37

Local clock offset: 0.057 ms

Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-08-28 02:15:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 592.40 Mbit/s

95th percentile per-packet one-way delay: 104.889 ms

Loss rate: 0.01%

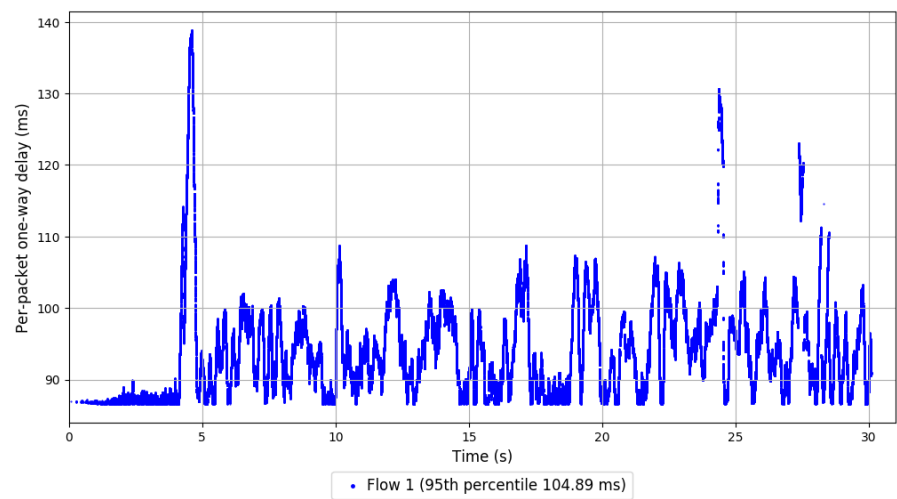
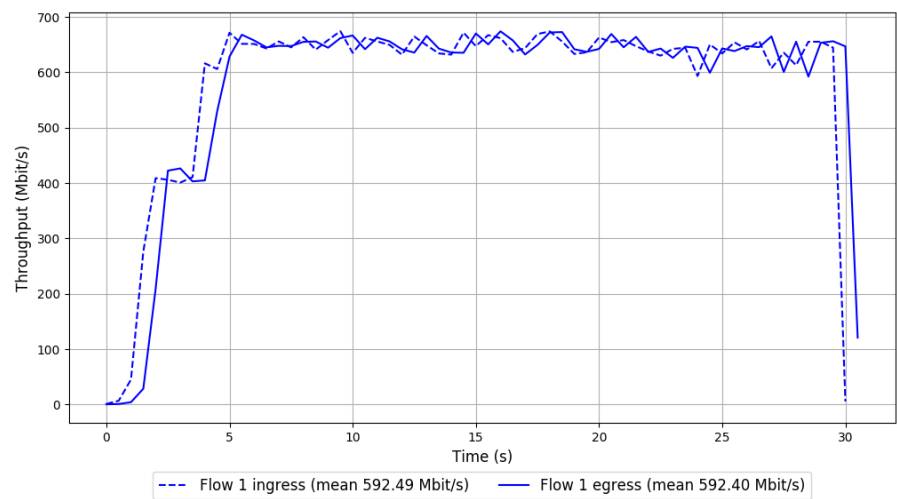
-- Flow 1:

Average throughput: 592.40 Mbit/s

95th percentile per-packet one-way delay: 104.889 ms

Loss rate: 0.01%

Run 10: Report of TCP Vegas — Data Link

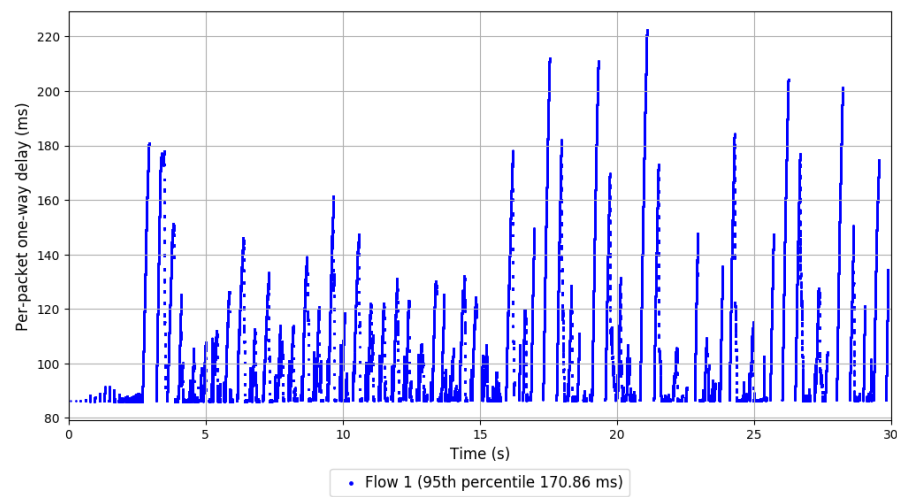
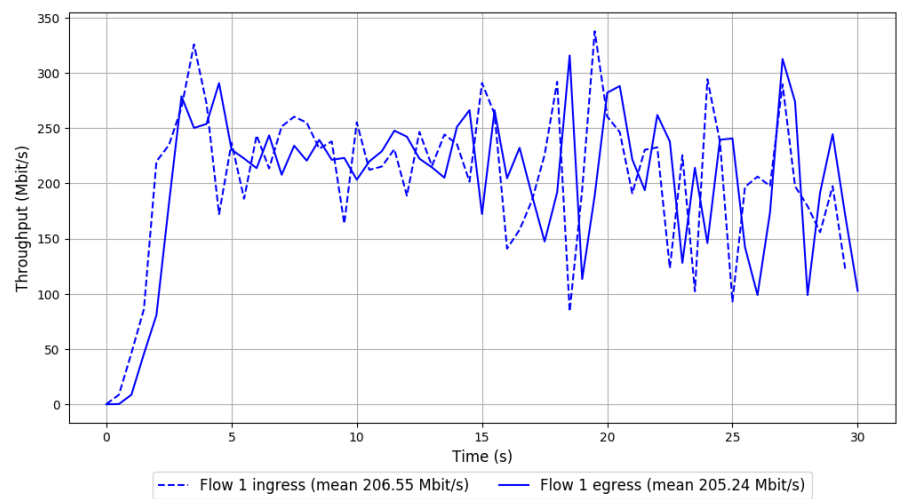


Run 1: Statistics of Verus

Start at: 2018-08-27 19:47:30
End at: 2018-08-27 19:48:00
Local clock offset: -0.013 ms
Remote clock offset: -0.315 ms

Below is generated by plot.py at 2018-08-28 02:16:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.24 Mbit/s
95th percentile per-packet one-way delay: 170.860 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 205.24 Mbit/s
95th percentile per-packet one-way delay: 170.860 ms
Loss rate: 0.63%

Run 1: Report of Verus — Data Link

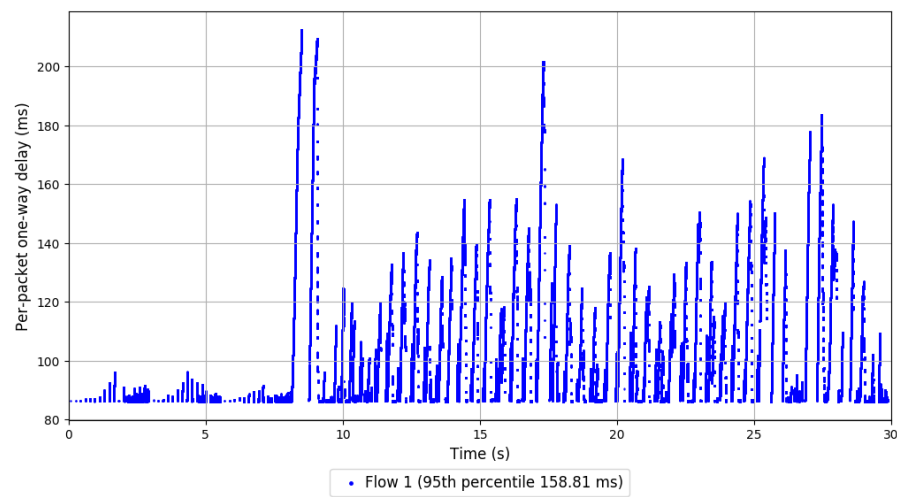
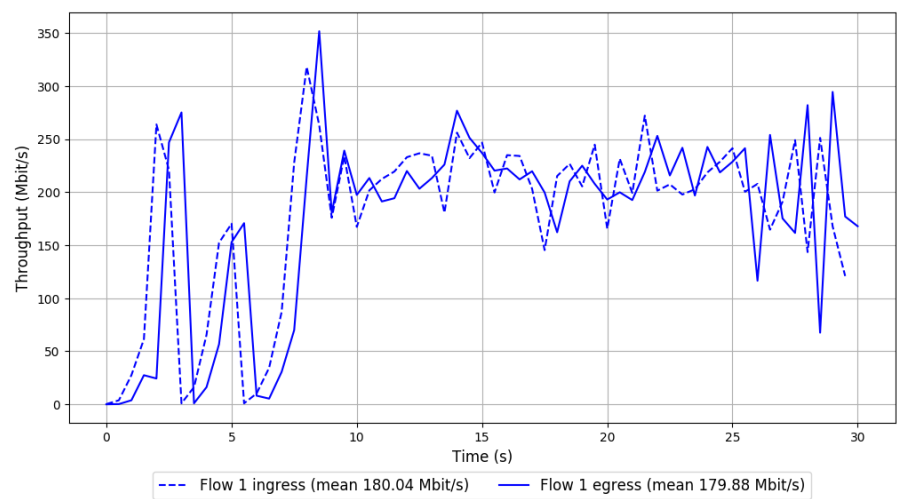


Run 2: Statistics of Verus

Start at: 2018-08-27 20:11:54
End at: 2018-08-27 20:12:24
Local clock offset: 0.247 ms
Remote clock offset: -0.275 ms

Below is generated by plot.py at 2018-08-28 02:16:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 179.88 Mbit/s
95th percentile per-packet one-way delay: 158.812 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 179.88 Mbit/s
95th percentile per-packet one-way delay: 158.812 ms
Loss rate: 0.09%

Run 2: Report of Verus — Data Link

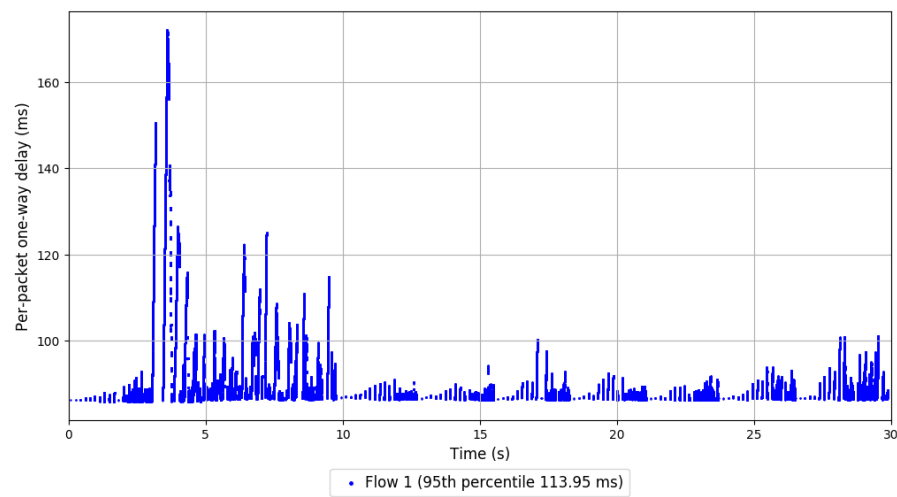
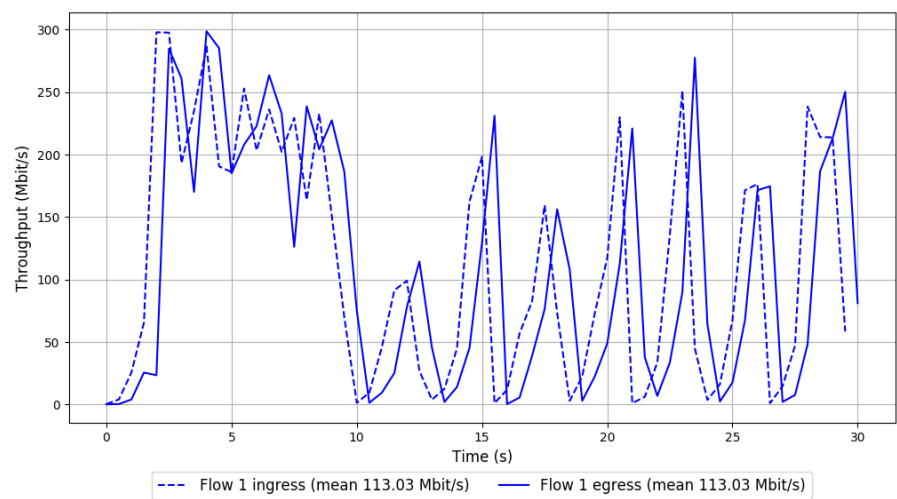


Run 3: Statistics of Verus

Start at: 2018-08-27 20:36:03
End at: 2018-08-27 20:36:33
Local clock offset: 0.103 ms
Remote clock offset: -0.289 ms

Below is generated by plot.py at 2018-08-28 02:16:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 113.03 Mbit/s
95th percentile per-packet one-way delay: 113.946 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 113.03 Mbit/s
95th percentile per-packet one-way delay: 113.946 ms
Loss rate: 0.00%

Run 3: Report of Verus — Data Link

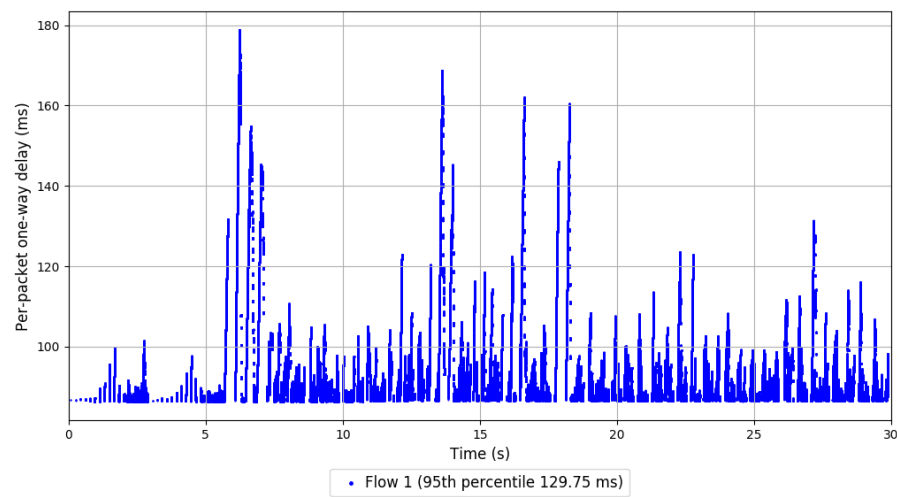
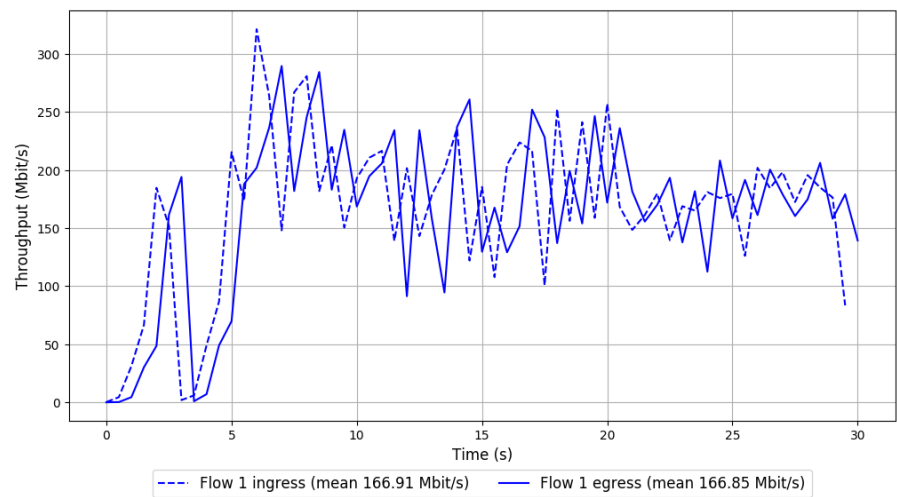


Run 4: Statistics of Verus

Start at: 2018-08-27 21:00:17
End at: 2018-08-27 21:00:47
Local clock offset: -0.018 ms
Remote clock offset: -0.377 ms

Below is generated by plot.py at 2018-08-28 02:17:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 166.85 Mbit/s
95th percentile per-packet one-way delay: 129.745 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 166.85 Mbit/s
95th percentile per-packet one-way delay: 129.745 ms
Loss rate: 0.00%

Run 4: Report of Verus — Data Link

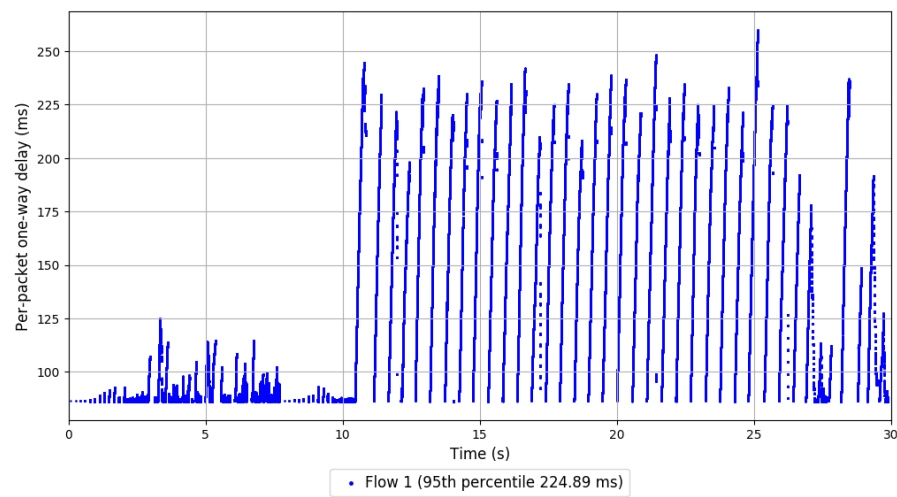
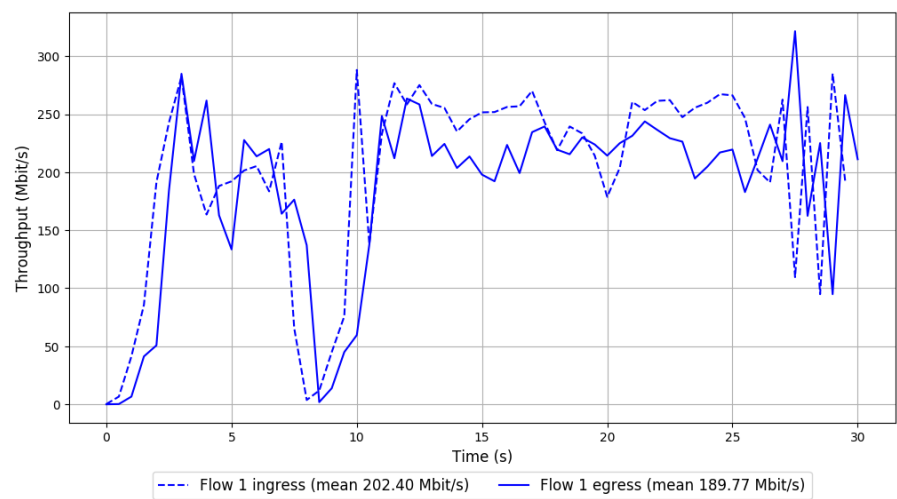


Run 5: Statistics of Verus

Start at: 2018-08-27 21:24:34
End at: 2018-08-27 21:25:04
Local clock offset: 0.029 ms
Remote clock offset: -0.322 ms

Below is generated by plot.py at 2018-08-28 02:20:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 189.77 Mbit/s
95th percentile per-packet one-way delay: 224.887 ms
Loss rate: 6.24%
-- Flow 1:
Average throughput: 189.77 Mbit/s
95th percentile per-packet one-way delay: 224.887 ms
Loss rate: 6.24%

Run 5: Report of Verus — Data Link

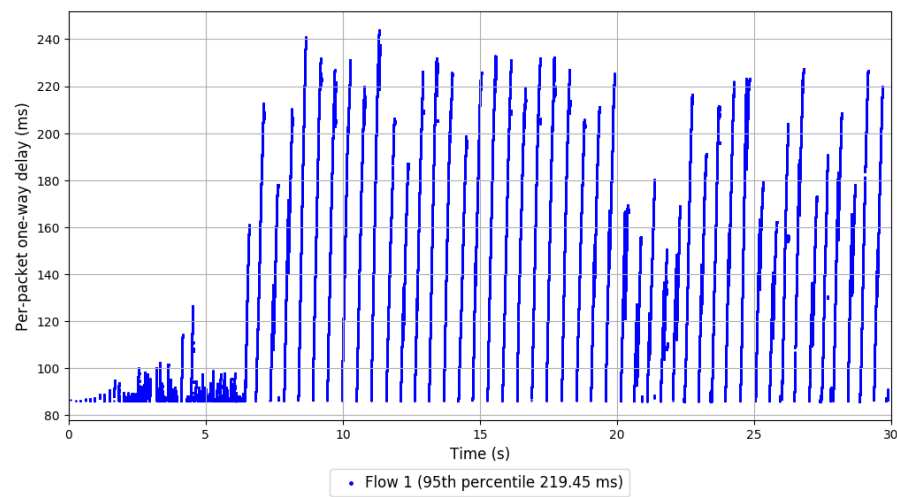
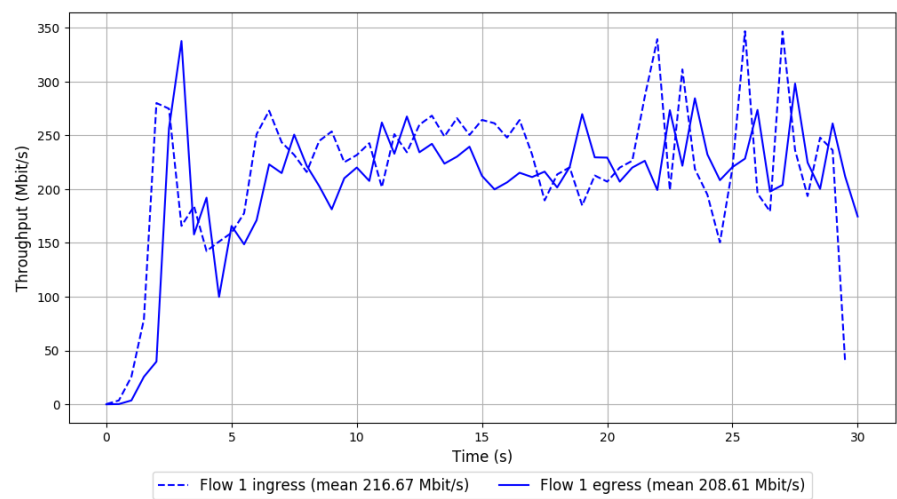


Run 6: Statistics of Verus

Start at: 2018-08-27 21:48:58
End at: 2018-08-27 21:49:28
Local clock offset: 0.203 ms
Remote clock offset: -0.471 ms

Below is generated by plot.py at 2018-08-28 02:22:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 208.61 Mbit/s
95th percentile per-packet one-way delay: 219.449 ms
Loss rate: 3.72%
-- Flow 1:
Average throughput: 208.61 Mbit/s
95th percentile per-packet one-way delay: 219.449 ms
Loss rate: 3.72%

Run 6: Report of Verus — Data Link

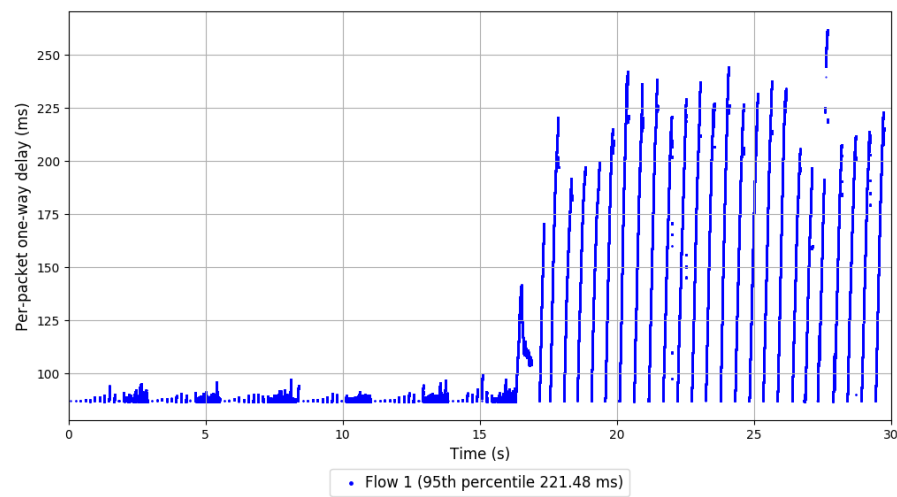
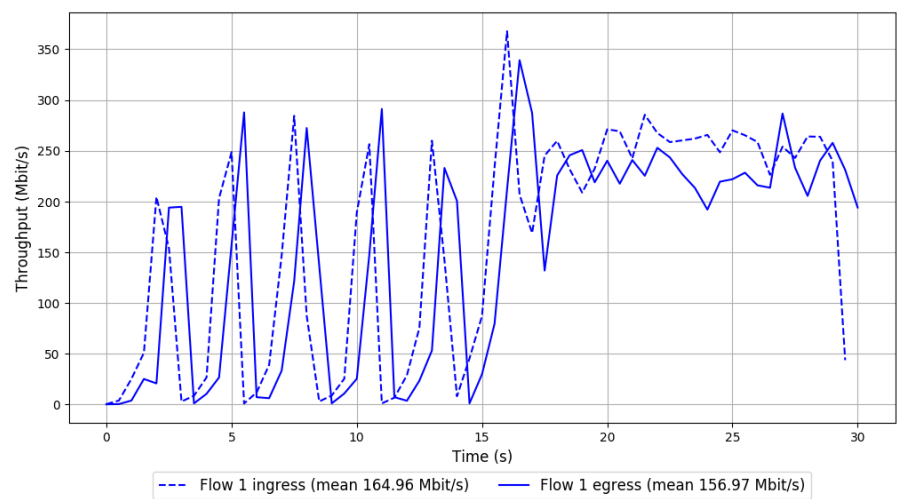


Run 7: Statistics of Verus

Start at: 2018-08-27 22:13:30
End at: 2018-08-27 22:14:00
Local clock offset: -0.334 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-08-28 02:22:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 156.97 Mbit/s
95th percentile per-packet one-way delay: 221.479 ms
Loss rate: 4.44%
-- Flow 1:
Average throughput: 156.97 Mbit/s
95th percentile per-packet one-way delay: 221.479 ms
Loss rate: 4.44%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-08-27 22:38:03

End at: 2018-08-27 22:38:33

Local clock offset: -0.112 ms

Remote clock offset: 0.116 ms

Below is generated by plot.py at 2018-08-28 02:22:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 191.76 Mbit/s

95th percentile per-packet one-way delay: 161.178 ms

Loss rate: 0.01%

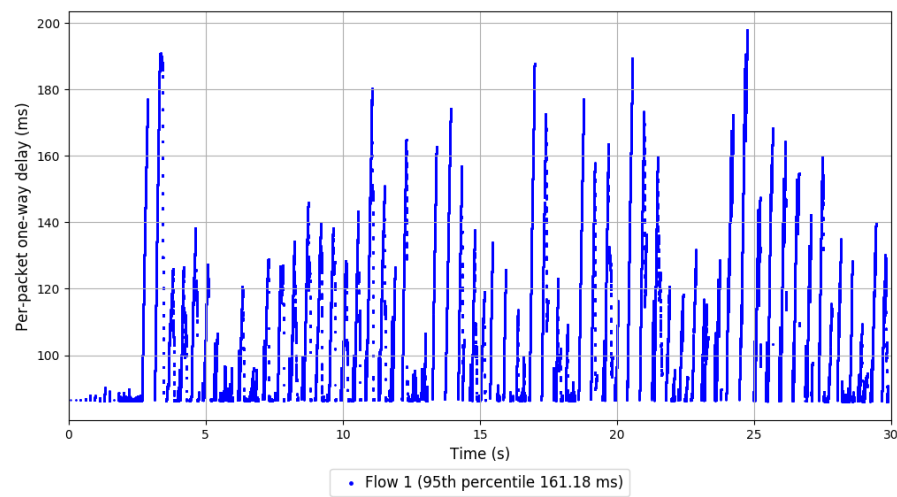
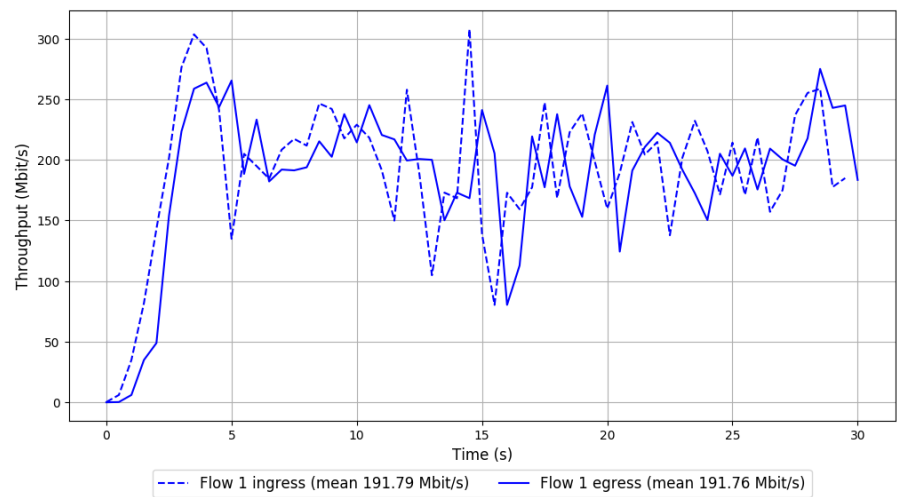
-- Flow 1:

Average throughput: 191.76 Mbit/s

95th percentile per-packet one-way delay: 161.178 ms

Loss rate: 0.01%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-08-27 23:02:20

End at: 2018-08-27 23:02:51

Local clock offset: -0.031 ms

Remote clock offset: 0.242 ms

Below is generated by plot.py at 2018-08-28 02:22:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 201.05 Mbit/s

95th percentile per-packet one-way delay: 208.610 ms

Loss rate: 2.21%

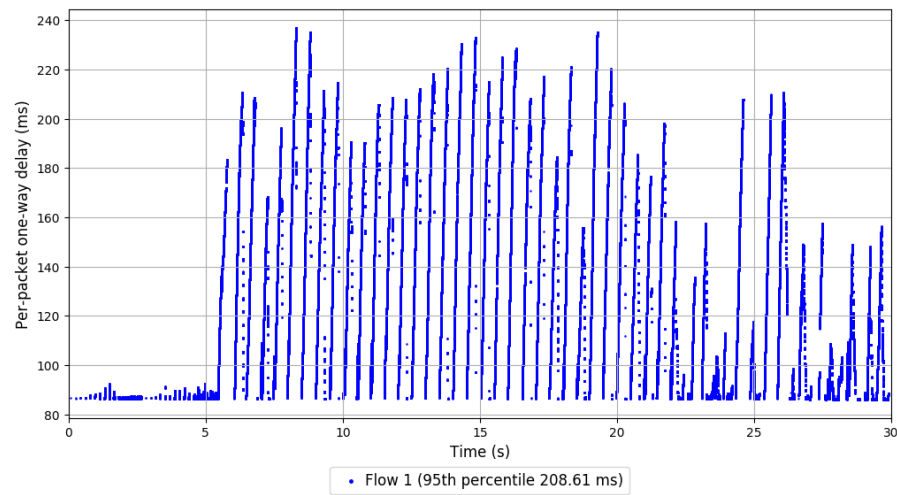
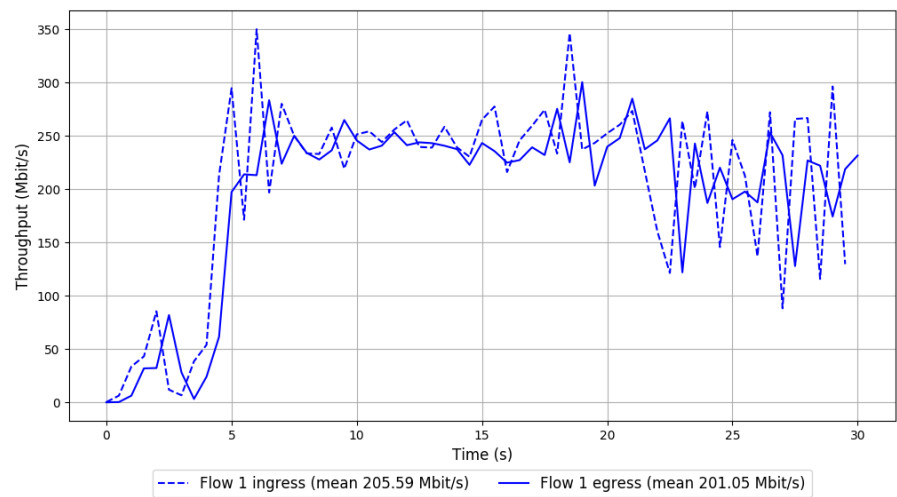
-- Flow 1:

Average throughput: 201.05 Mbit/s

95th percentile per-packet one-way delay: 208.610 ms

Loss rate: 2.21%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-08-27 23:26:52

End at: 2018-08-27 23:27:22

Local clock offset: 0.046 ms

Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-08-28 02:22:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 122.81 Mbit/s

95th percentile per-packet one-way delay: 218.237 ms

Loss rate: 6.62%

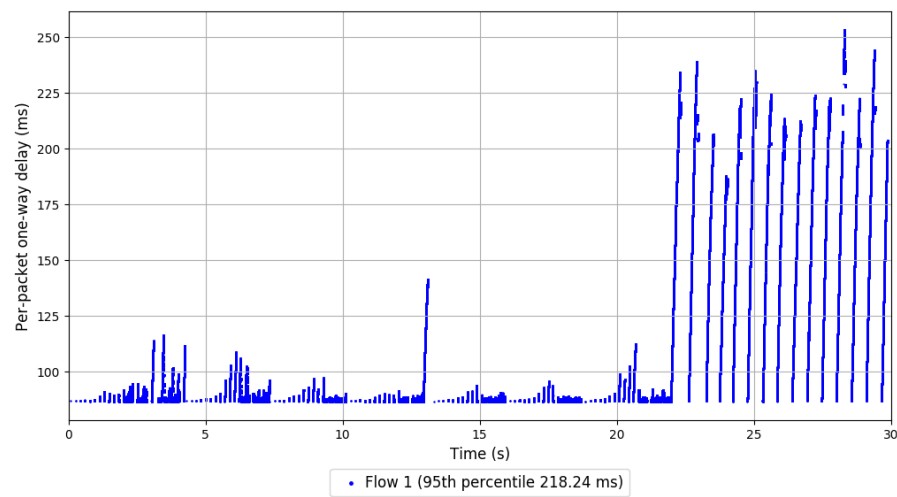
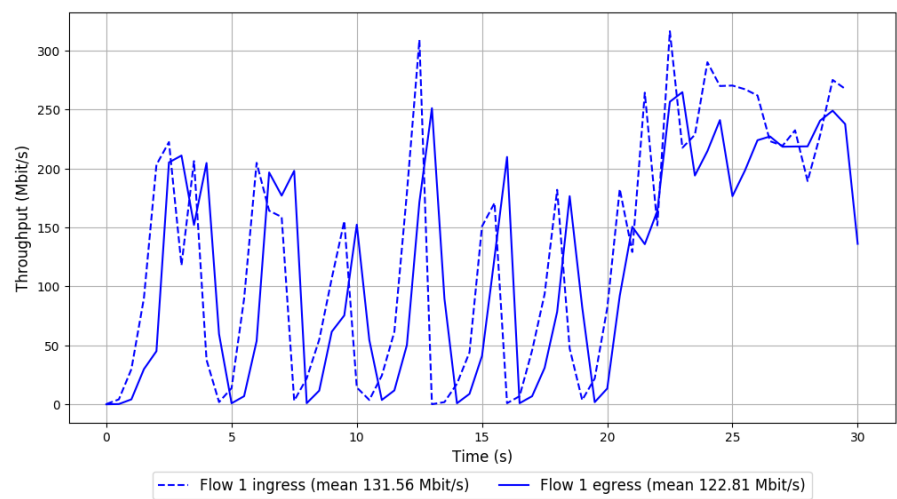
-- Flow 1:

Average throughput: 122.81 Mbit/s

95th percentile per-packet one-way delay: 218.237 ms

Loss rate: 6.62%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-08-27 19:36:03

End at: 2018-08-27 19:36:33

Local clock offset: 0.142 ms

Remote clock offset: -0.27 ms

Below is generated by plot.py at 2018-08-28 02:23:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 386.65 Mbit/s

95th percentile per-packet one-way delay: 87.143 ms

Loss rate: 0.00%

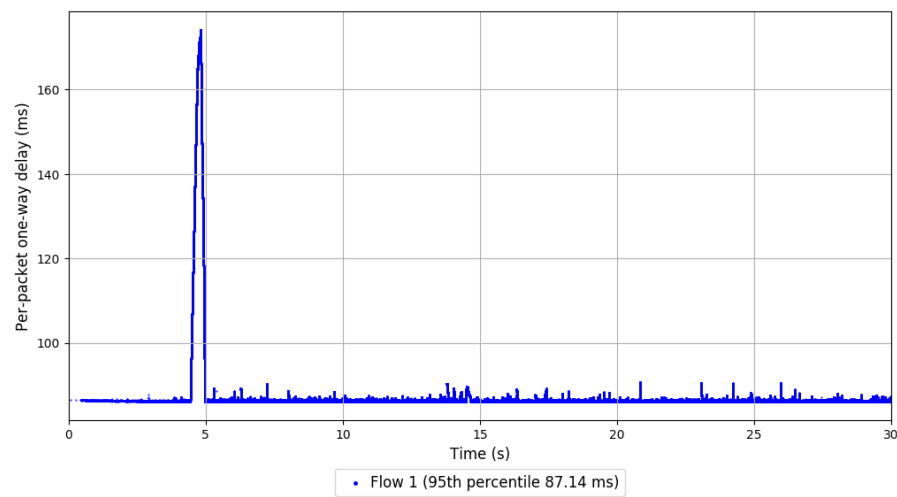
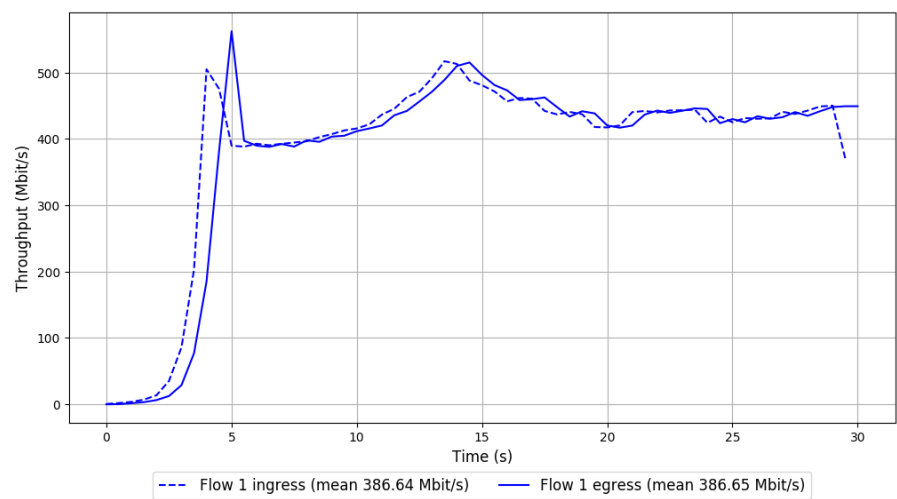
-- Flow 1:

Average throughput: 386.65 Mbit/s

95th percentile per-packet one-way delay: 87.143 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-08-27 20:00:29

End at: 2018-08-27 20:00:59

Local clock offset: 0.015 ms

Remote clock offset: -0.287 ms

Below is generated by plot.py at 2018-08-28 02:26:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 393.84 Mbit/s

95th percentile per-packet one-way delay: 86.785 ms

Loss rate: 0.00%

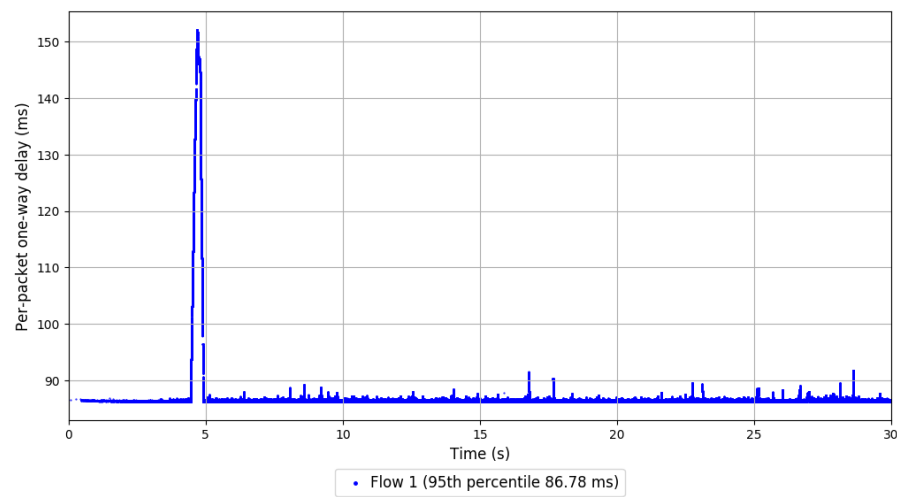
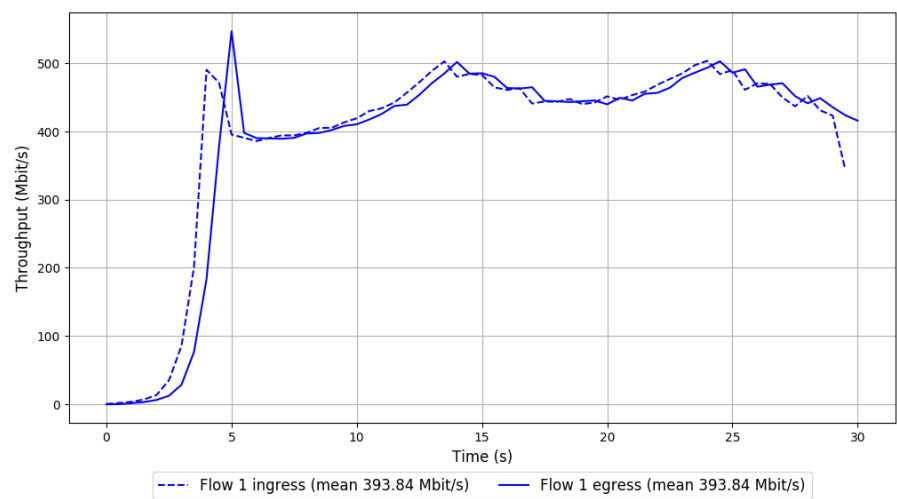
-- Flow 1:

Average throughput: 393.84 Mbit/s

95th percentile per-packet one-way delay: 86.785 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

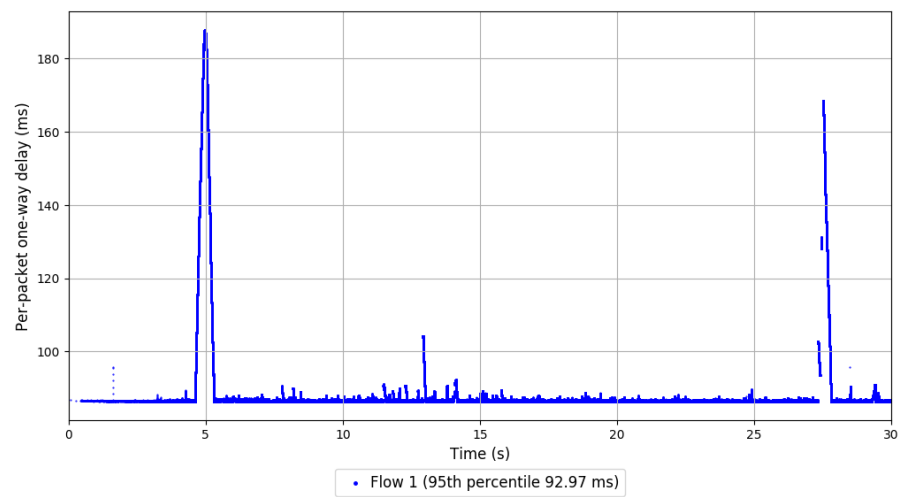
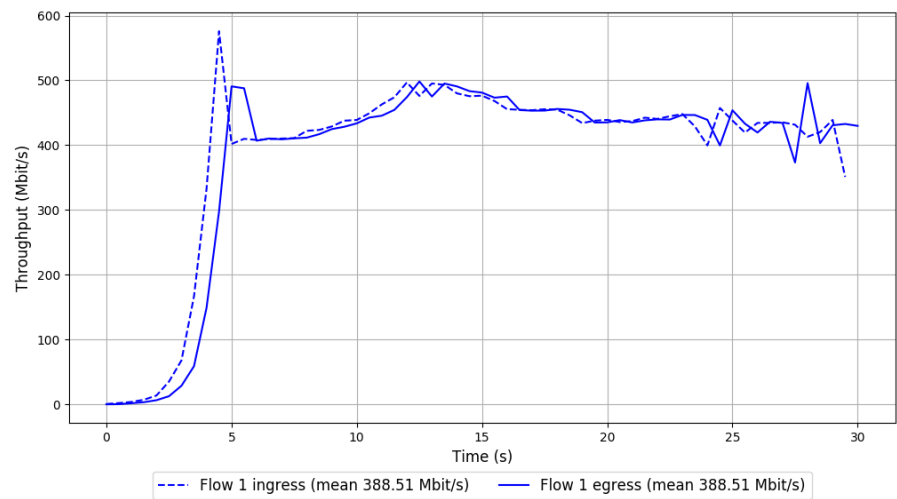


Run 3: Statistics of PCC-Vivace

Start at: 2018-08-27 20:24:42
End at: 2018-08-27 20:25:12
Local clock offset: -0.128 ms
Remote clock offset: -0.324 ms

Below is generated by plot.py at 2018-08-28 02:27:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 388.51 Mbit/s
95th percentile per-packet one-way delay: 92.972 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 388.51 Mbit/s
95th percentile per-packet one-way delay: 92.972 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

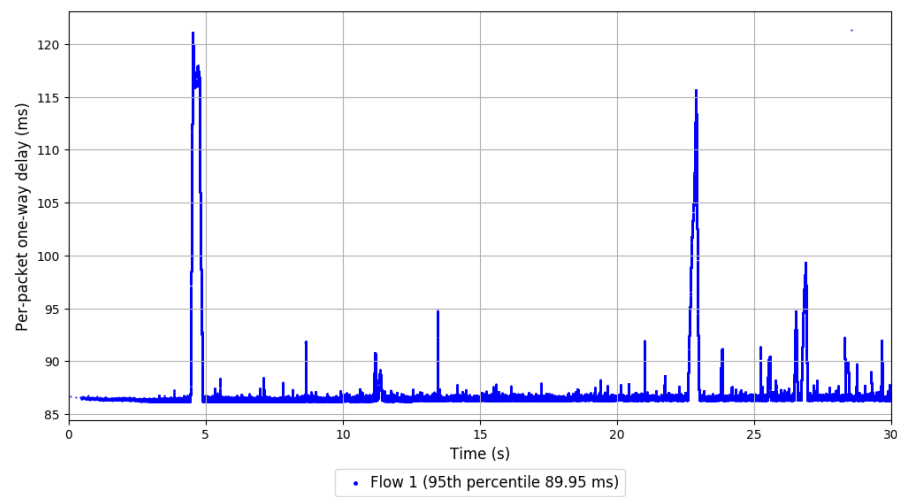
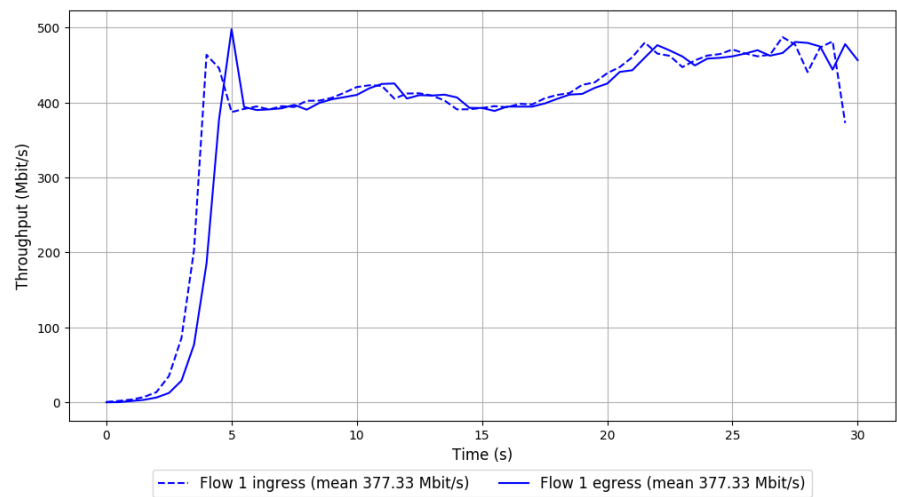


Run 4: Statistics of PCC-Vivace

Start at: 2018-08-27 20:48:45
End at: 2018-08-27 20:49:15
Local clock offset: 0.006 ms
Remote clock offset: -0.343 ms

Below is generated by plot.py at 2018-08-28 02:27:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 377.33 Mbit/s
95th percentile per-packet one-way delay: 89.949 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 377.33 Mbit/s
95th percentile per-packet one-way delay: 89.949 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

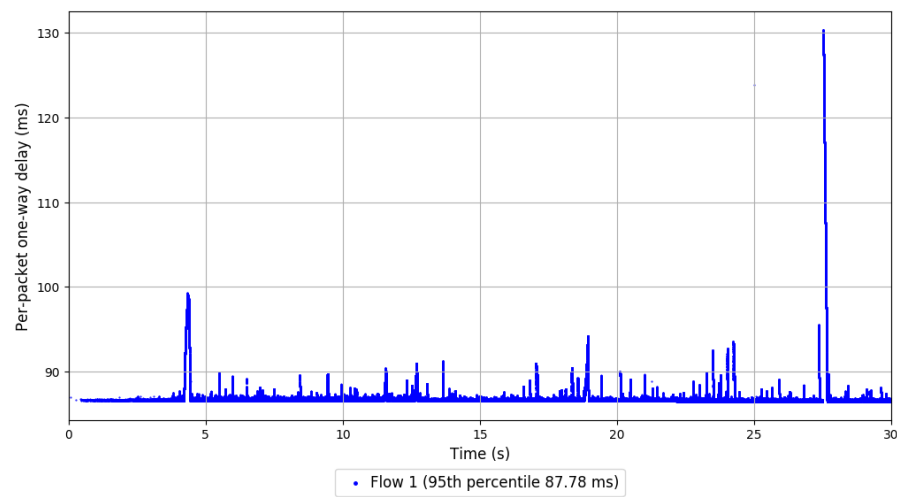
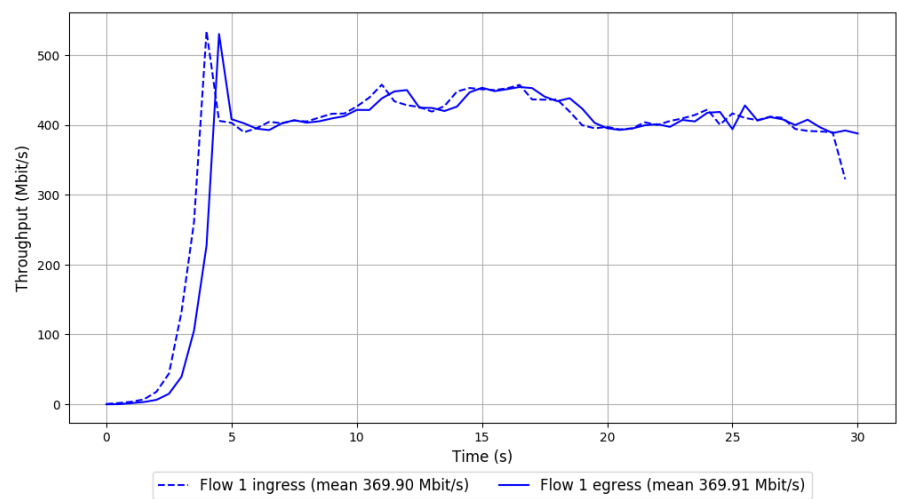


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-27 21:13:15
End at: 2018-08-27 21:13:45
Local clock offset: -0.2 ms
Remote clock offset: -0.392 ms

Below is generated by plot.py at 2018-08-28 02:27:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 369.91 Mbit/s
95th percentile per-packet one-way delay: 87.781 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 369.91 Mbit/s
95th percentile per-packet one-way delay: 87.781 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-08-27 21:37:35

End at: 2018-08-27 21:38:05

Local clock offset: -0.06 ms

Remote clock offset: -0.403 ms

Below is generated by plot.py at 2018-08-28 02:28:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 392.76 Mbit/s

95th percentile per-packet one-way delay: 103.033 ms

Loss rate: 0.00%

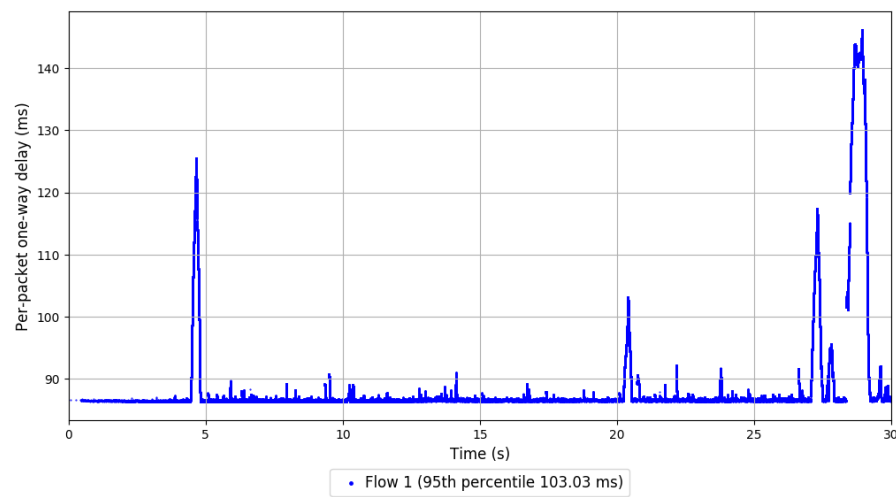
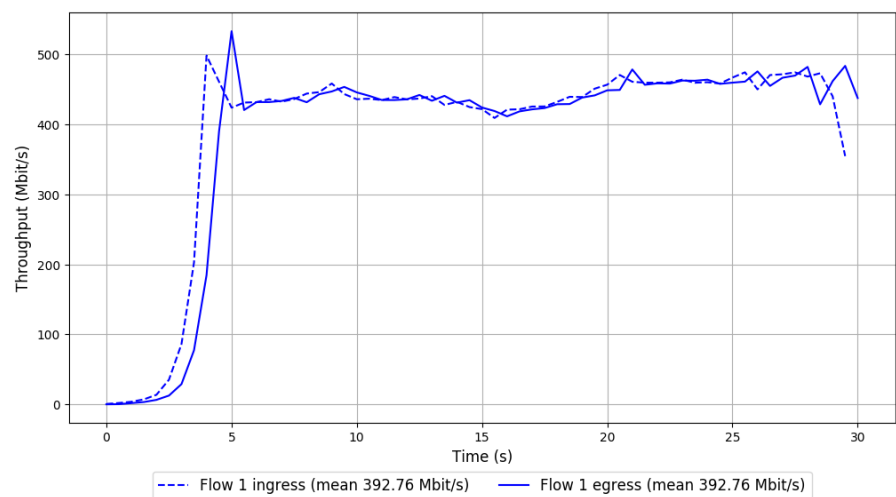
-- Flow 1:

Average throughput: 392.76 Mbit/s

95th percentile per-packet one-way delay: 103.033 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-08-27 22:01:54

End at: 2018-08-27 22:02:24

Local clock offset: 0.024 ms

Remote clock offset: -0.219 ms

Below is generated by plot.py at 2018-08-28 02:28:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 362.30 Mbit/s

95th percentile per-packet one-way delay: 126.084 ms

Loss rate: 0.00%

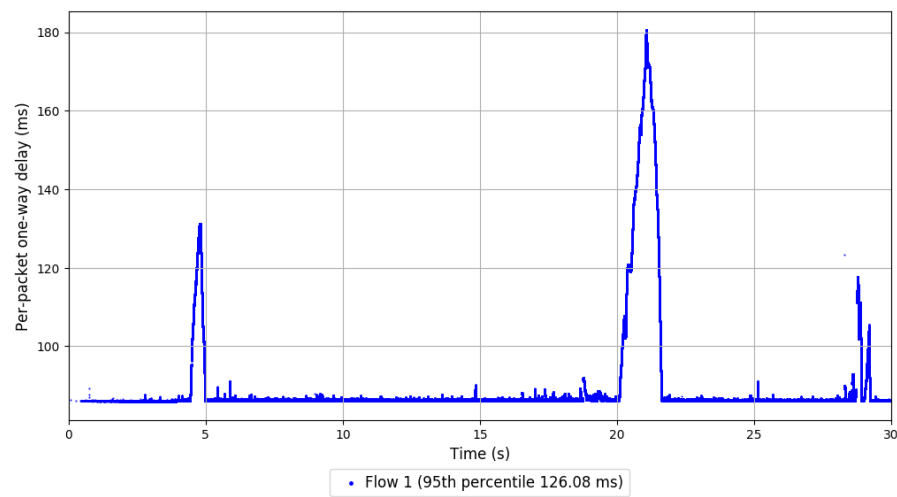
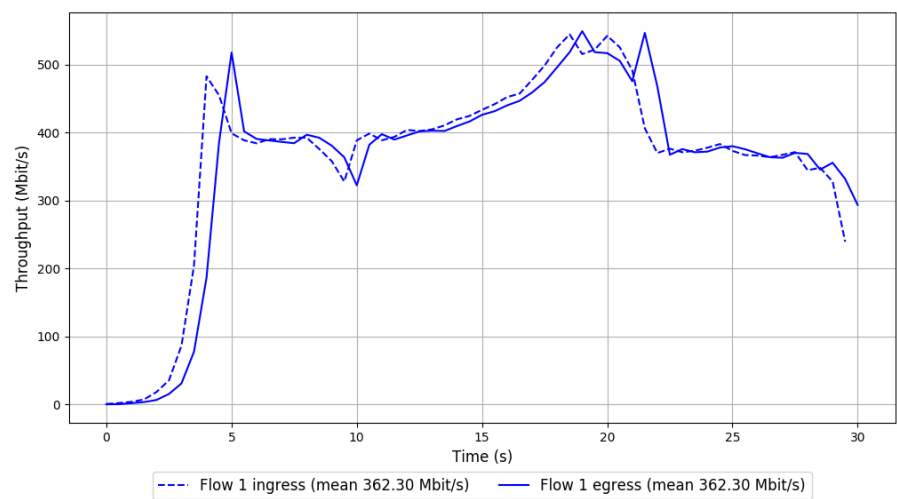
-- Flow 1:

Average throughput: 362.30 Mbit/s

95th percentile per-packet one-way delay: 126.084 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-08-27 22:26:23

End at: 2018-08-27 22:26:53

Local clock offset: -0.186 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-08-28 02:29:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 401.02 Mbit/s

95th percentile per-packet one-way delay: 88.687 ms

Loss rate: 0.00%

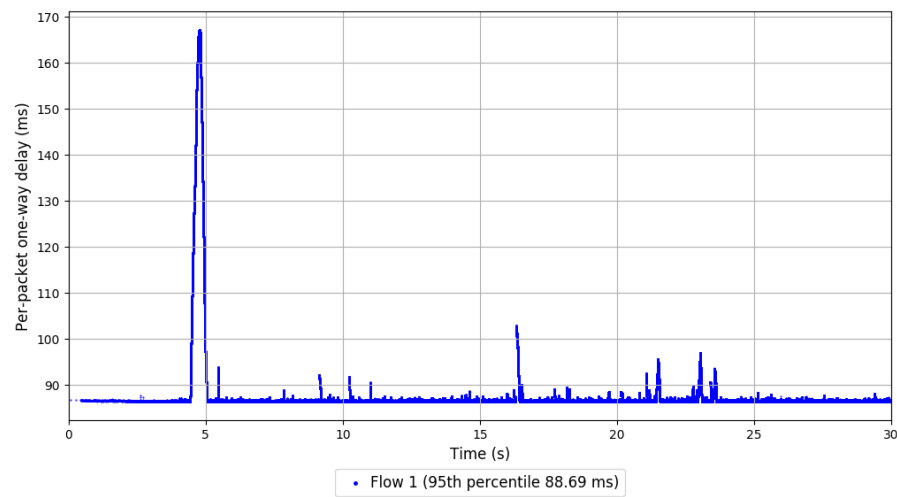
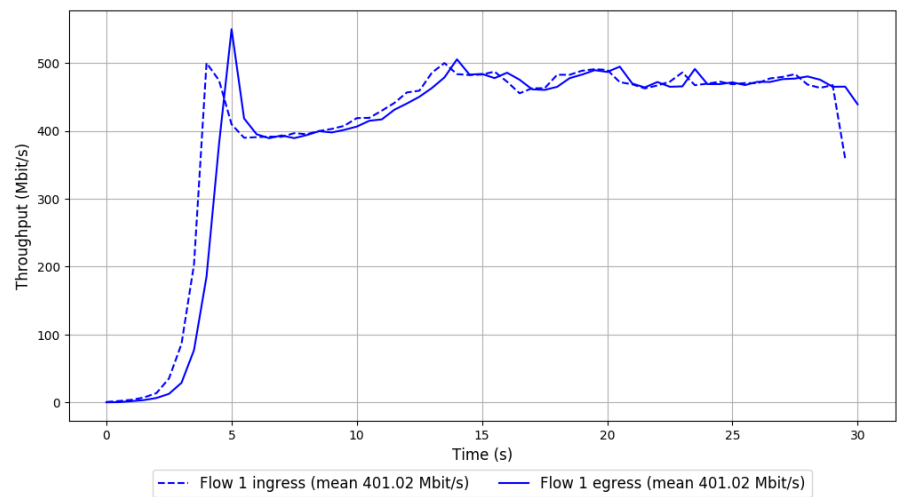
-- Flow 1:

Average throughput: 401.02 Mbit/s

95th percentile per-packet one-way delay: 88.687 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-08-27 22:51:00

End at: 2018-08-27 22:51:30

Local clock offset: -0.02 ms

Remote clock offset: 0.201 ms

Below is generated by plot.py at 2018-08-28 02:29:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 400.24 Mbit/s

95th percentile per-packet one-way delay: 93.382 ms

Loss rate: 0.00%

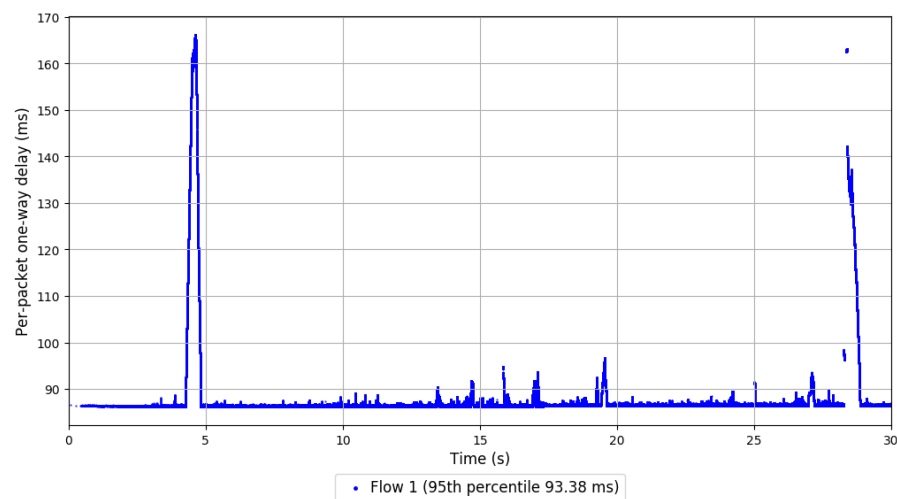
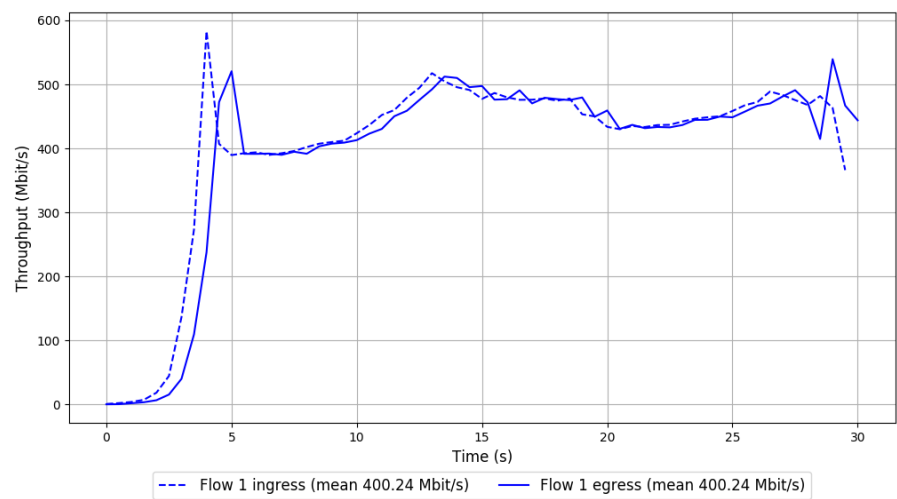
-- Flow 1:

Average throughput: 400.24 Mbit/s

95th percentile per-packet one-way delay: 93.382 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-08-27 23:15:13

End at: 2018-08-27 23:15:44

Local clock offset: 0.015 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-08-28 02:29:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 381.77 Mbit/s

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

Loss rate: 0.00%

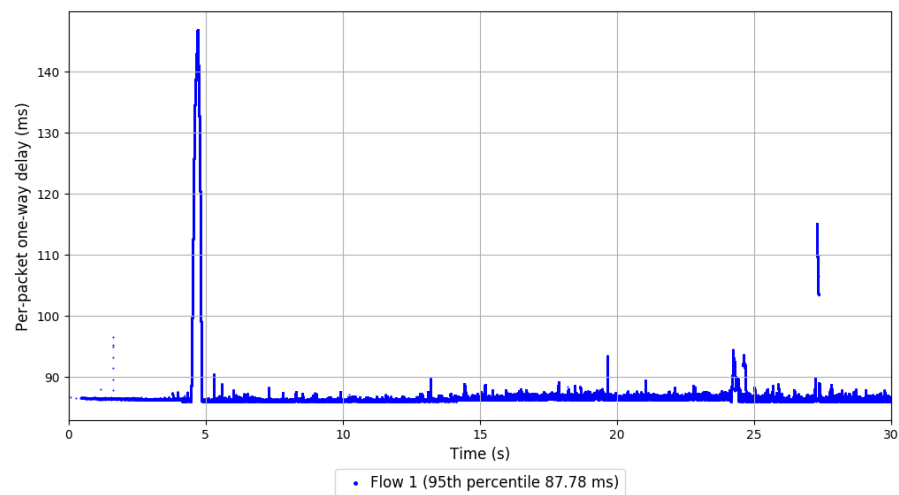
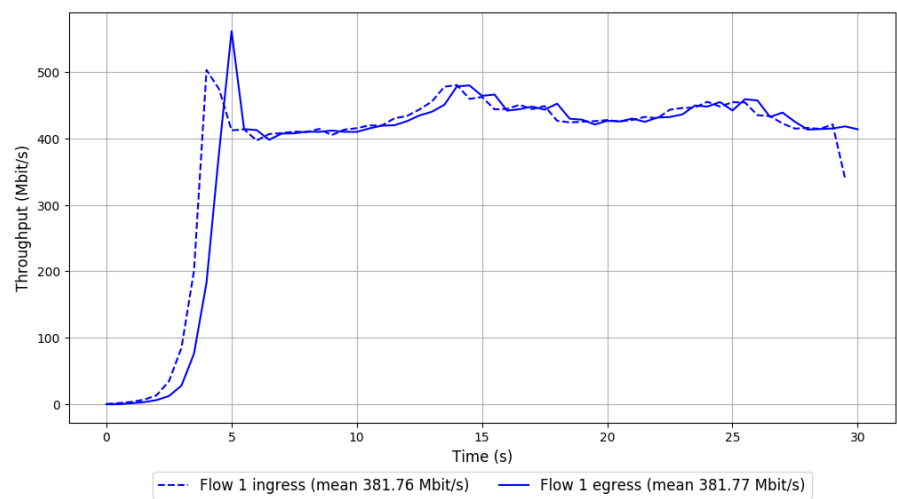
-- Flow 1:

Average throughput: 381.77 Mbit/s

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

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-08-27 19:33:22

End at: 2018-08-27 19:33:52

Local clock offset: -0.053 ms

Remote clock offset: -0.25 ms

Below is generated by plot.py at 2018-08-28 02:29:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 86.818 ms

Loss rate: 0.00%

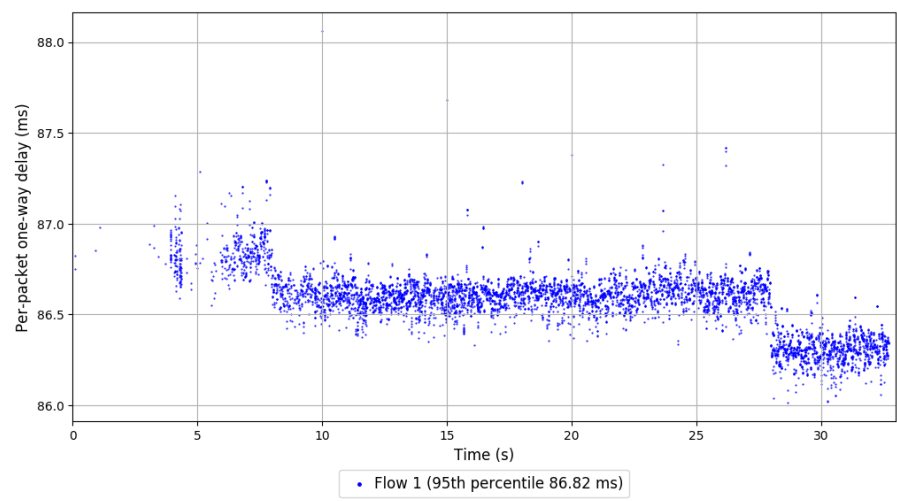
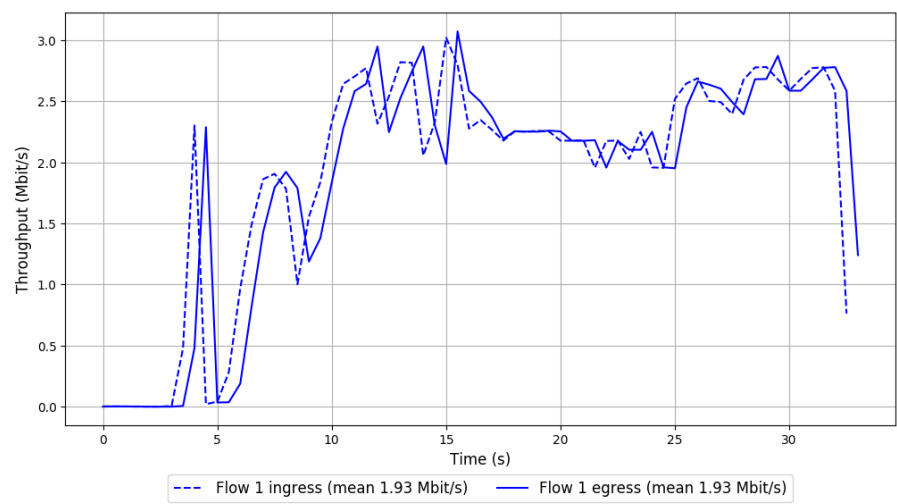
-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 86.818 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

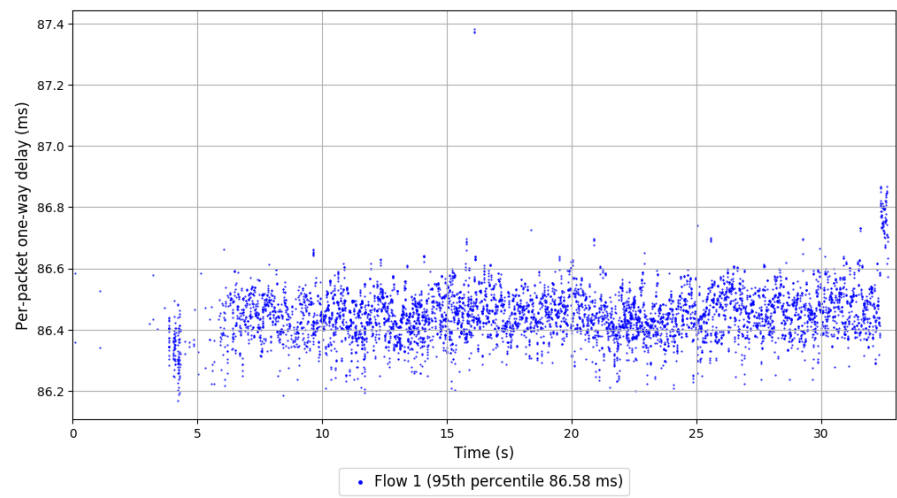
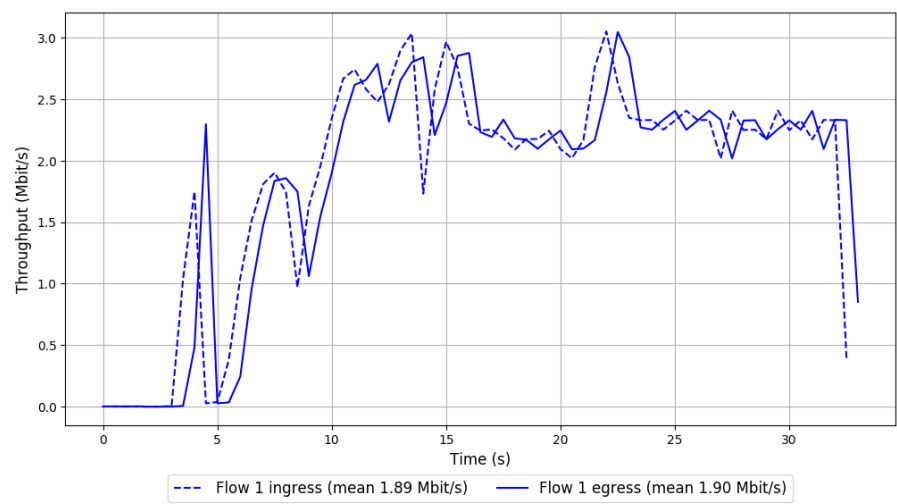


Run 2: Statistics of WebRTC media

Start at: 2018-08-27 19:57:48
End at: 2018-08-27 19:58:18
Local clock offset: -0.118 ms
Remote clock offset: -0.287 ms

Below is generated by plot.py at 2018-08-28 02:29:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 86.575 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 86.575 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

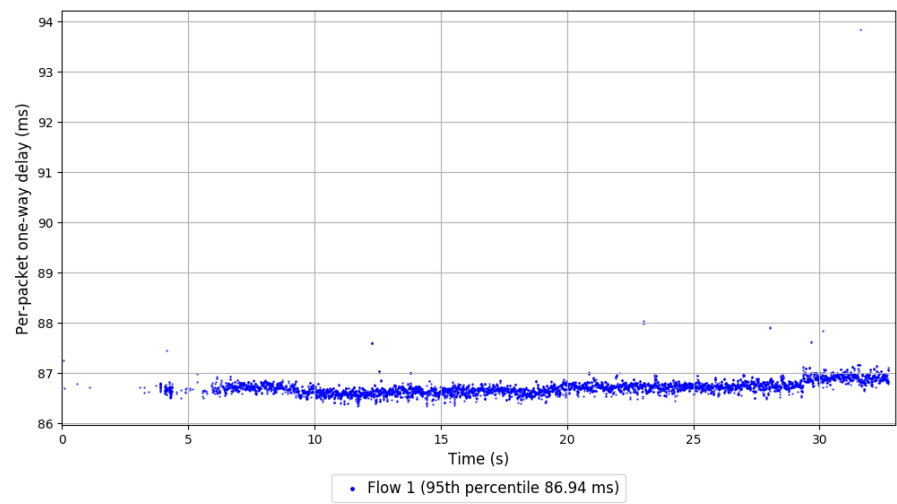
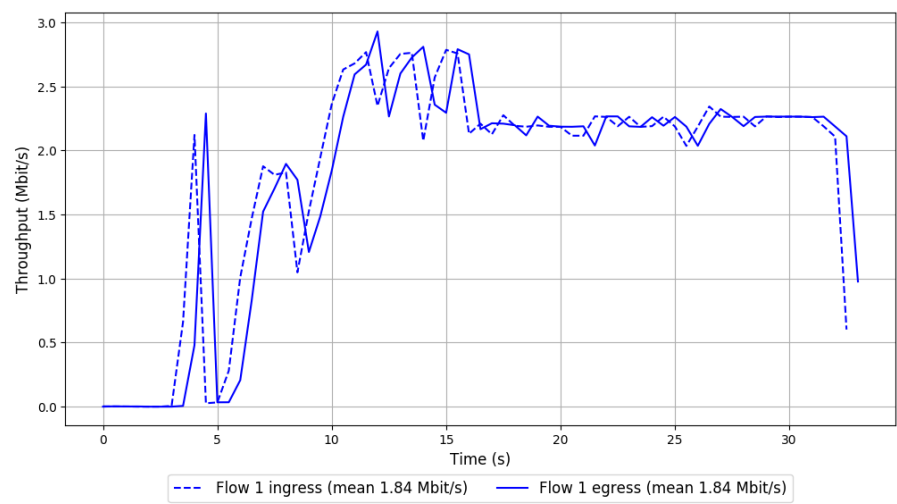


Run 3: Statistics of WebRTC media

Start at: 2018-08-27 20:22:01
End at: 2018-08-27 20:22:31
Local clock offset: -0.088 ms
Remote clock offset: -0.329 ms

Below is generated by plot.py at 2018-08-28 02:29:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 86.937 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 86.937 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-08-27 20:46:03

End at: 2018-08-27 20:46:33

Local clock offset: -0.091 ms

Remote clock offset: -0.33 ms

Below is generated by plot.py at 2018-08-28 02:29:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.86 Mbit/s

95th percentile per-packet one-way delay: 86.772 ms

Loss rate: 0.00%

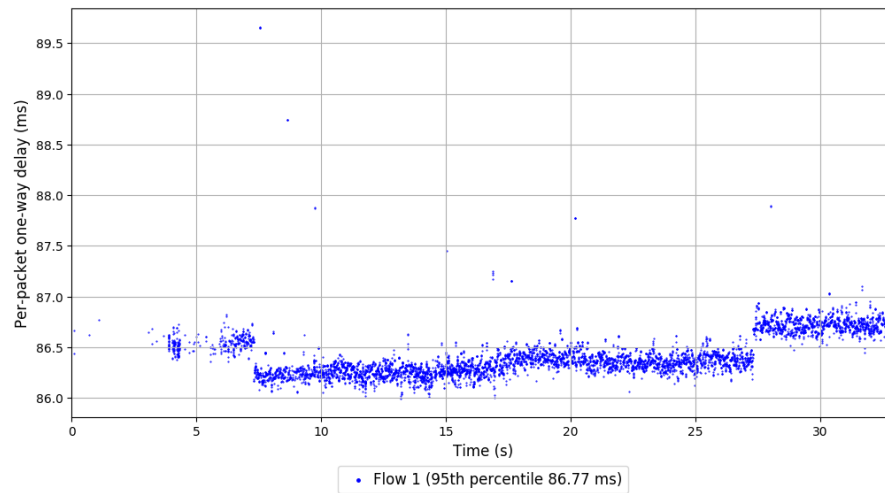
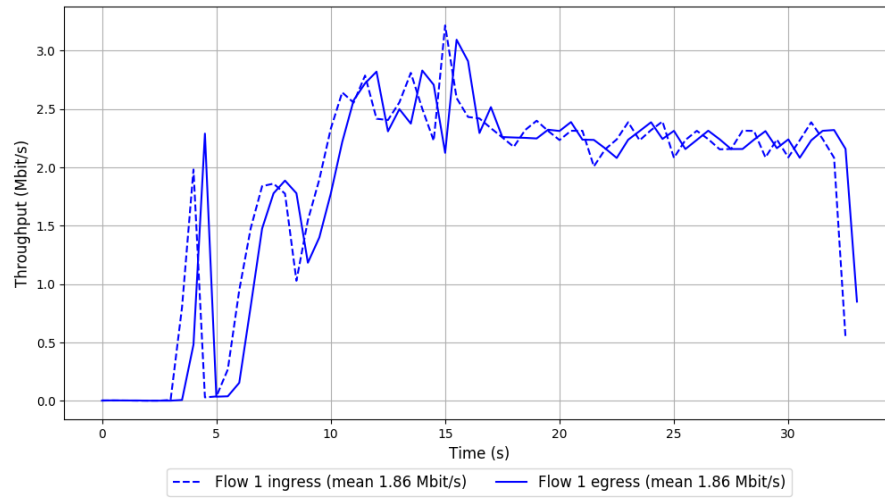
-- Flow 1:

Average throughput: 1.86 Mbit/s

95th percentile per-packet one-way delay: 86.772 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

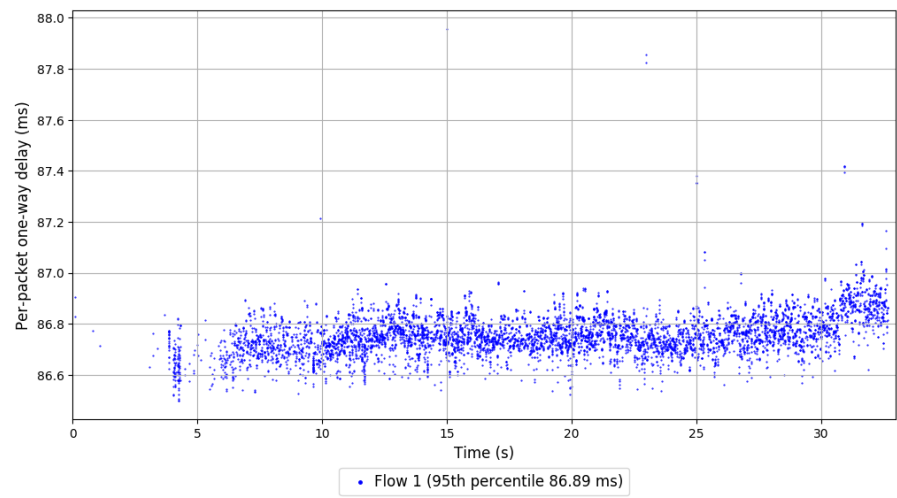
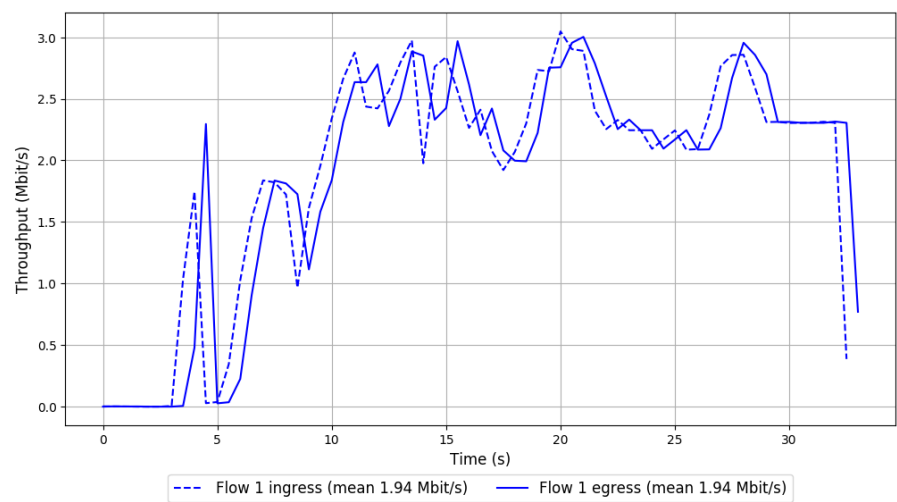


Run 5: Statistics of WebRTC media

Start at: 2018-08-27 21:10:30
End at: 2018-08-27 21:11:00
Local clock offset: -0.194 ms
Remote clock offset: -0.355 ms

Below is generated by plot.py at 2018-08-28 02:29:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 86.886 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 86.886 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

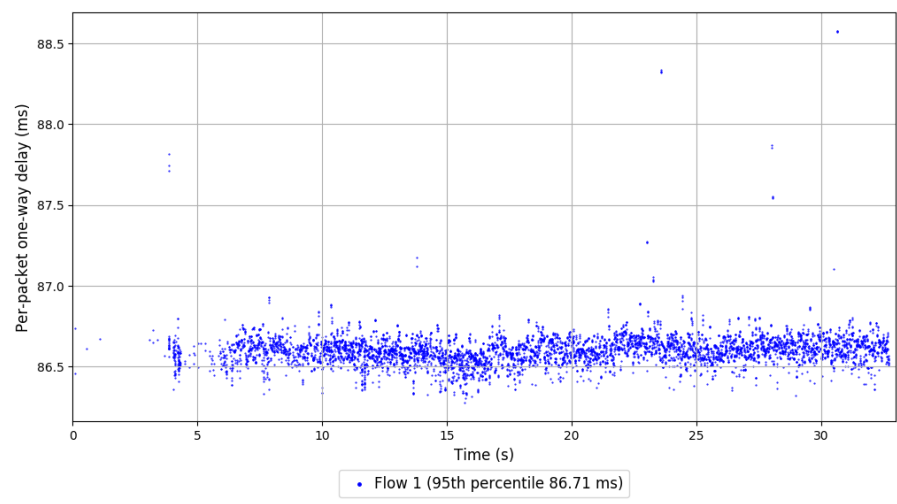
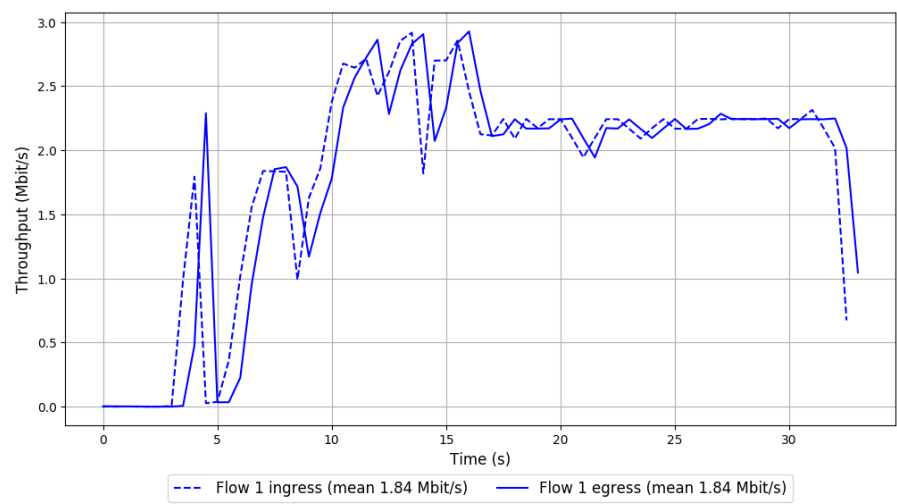


Run 6: Statistics of WebRTC media

Start at: 2018-08-27 21:34:52
End at: 2018-08-27 21:35:22
Local clock offset: 0.001 ms
Remote clock offset: -0.386 ms

Below is generated by plot.py at 2018-08-28 02:29:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 86.714 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 86.714 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

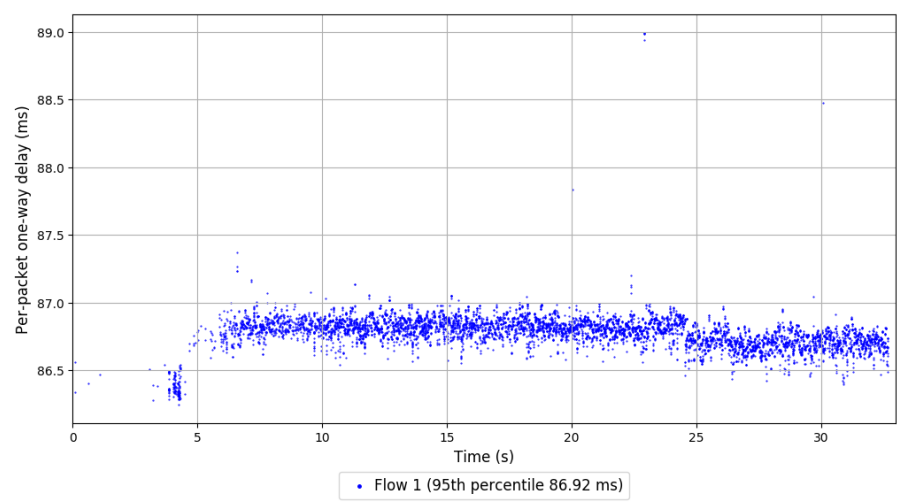
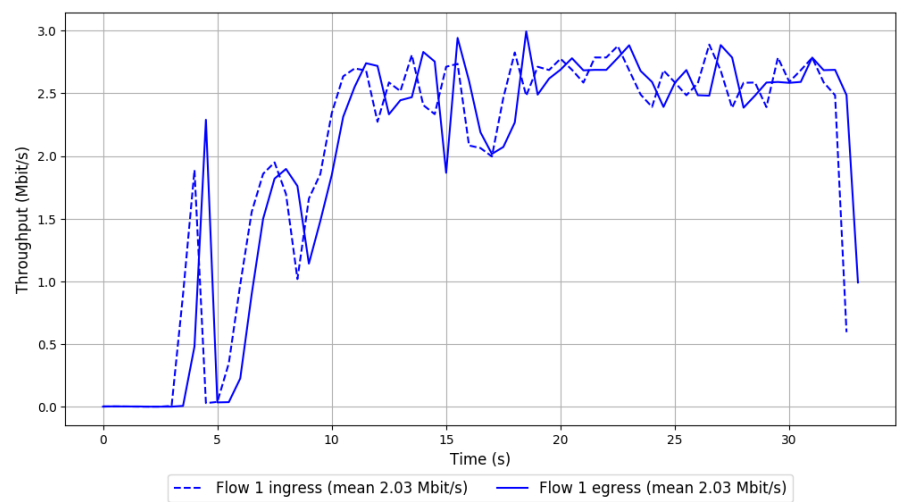


Run 7: Statistics of WebRTC media

Start at: 2018-08-27 21:59:16
End at: 2018-08-27 21:59:46
Local clock offset: -0.182 ms
Remote clock offset: -0.265 ms

Below is generated by plot.py at 2018-08-28 02:29:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 86.917 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 86.917 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-08-27 22:23:39

End at: 2018-08-27 22:24:09

Local clock offset: -0.272 ms

Remote clock offset: 0.068 ms

Below is generated by plot.py at 2018-08-28 02:29:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 87.017 ms

Loss rate: 0.00%

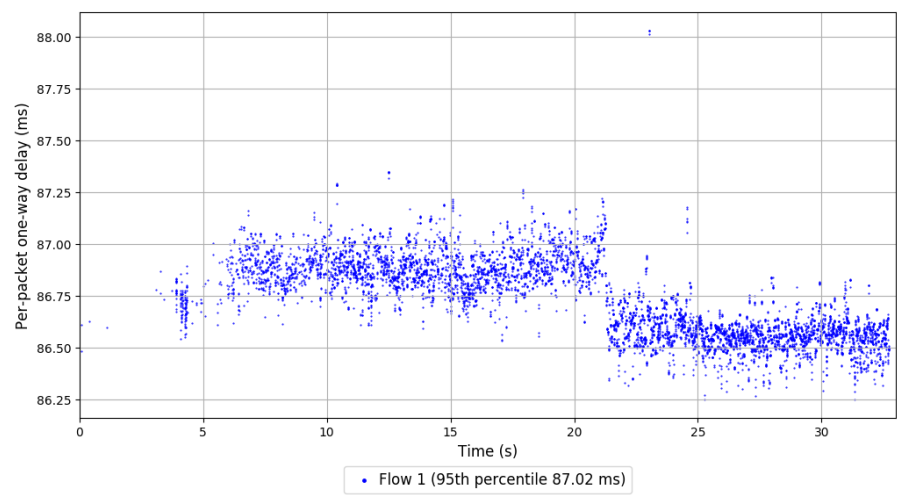
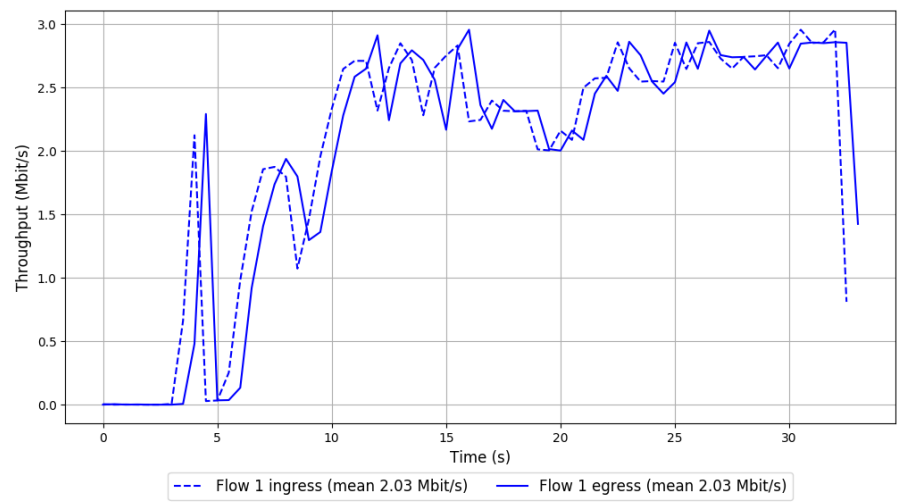
-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 87.017 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-08-27 22:48:16

End at: 2018-08-27 22:48:46

Local clock offset: -0.02 ms

Remote clock offset: 0.243 ms

Below is generated by plot.py at 2018-08-28 02:29:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.87 Mbit/s

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

Loss rate: 0.00%

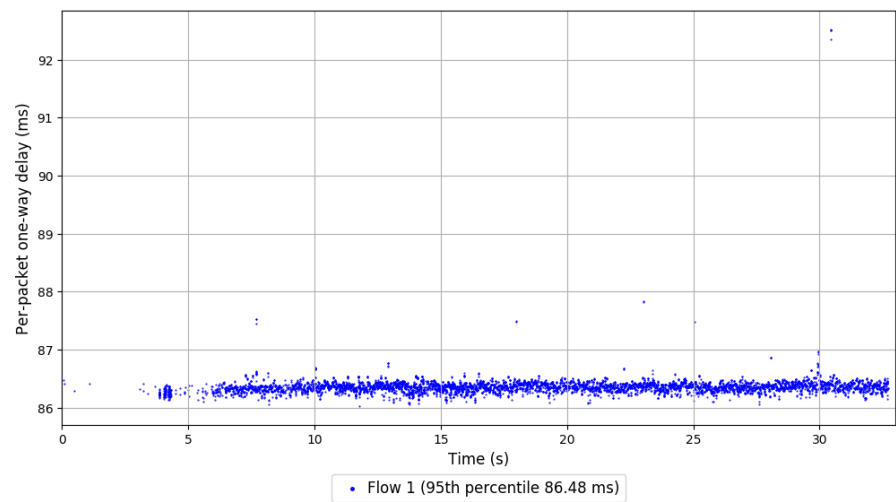
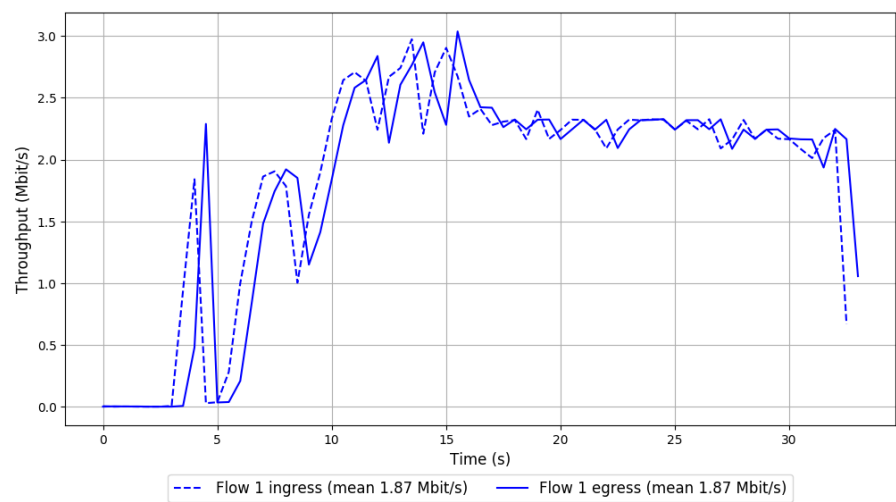
-- Flow 1:

Average throughput: 1.87 Mbit/s

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

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-27 23:12:31

End at: 2018-08-27 23:13:01

Local clock offset: 0.058 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-08-28 02:29:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 86.941 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 86.941 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

