

Pantheon Report

Generated at 2018-08-11 20:22:16 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

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

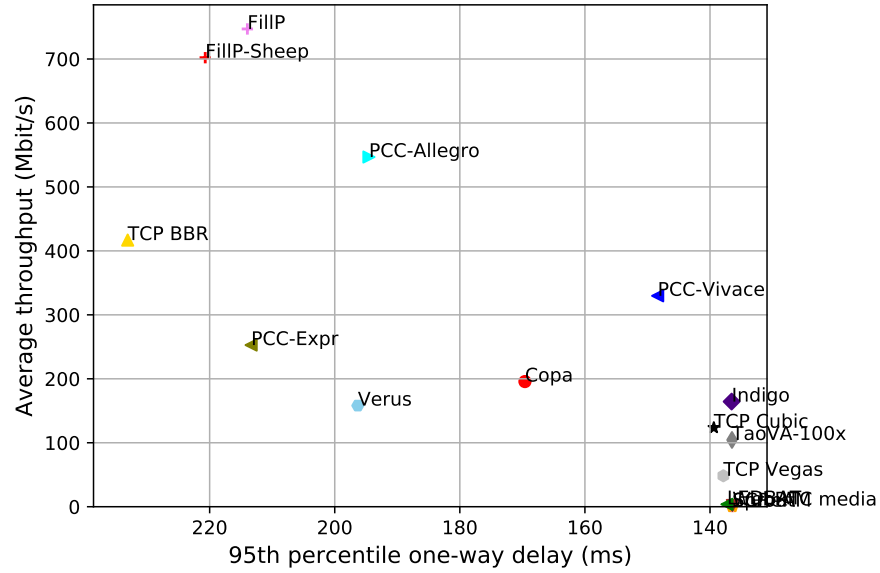
System info:

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

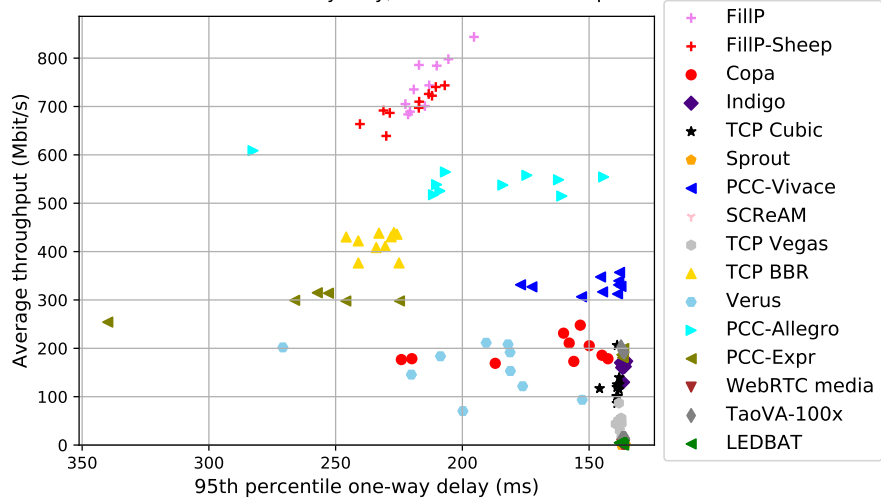
Git summary:

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

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



test from GCE London to GCE Sydney, 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	416.90	233.11	3.57
Copa	10	195.68	169.59	0.97
TCP Cubic	10	123.50	139.39	1.53
FillP	10	746.98	213.97	6.14
FillP-Sheep	10	702.06	220.71	8.30
Indigo	10	164.40	136.55	0.86
LEDBAT	10	3.75	137.29	1.79
PCC-Allegro	10	546.75	194.53	2.85
PCC-Expr	10	252.73	213.37	2.77
QUIC Cubic	0	N/A	N/A	N/A
SCReAM	10	0.22	136.41	0.85
Sprout	10	0.16	136.43	0.75
TaoVA-100x	10	104.41	136.49	0.94
TCP Vegas	10	48.34	137.87	0.98
Verus	10	158.12	196.31	2.44
PCC-Vivace	10	329.73	148.37	1.22
WebRTC media	10	1.91	136.43	1.22

Run 1: Statistics of TCP BBR

Start at: 2018-08-11 14:44:11

End at: 2018-08-11 14:44:42

Local clock offset: -0.404 ms

Remote clock offset: -0.55 ms

Below is generated by plot.py at 2018-08-11 18:49:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 410.77 Mbit/s

95th percentile per-packet one-way delay: 230.433 ms

Loss rate: 3.02%

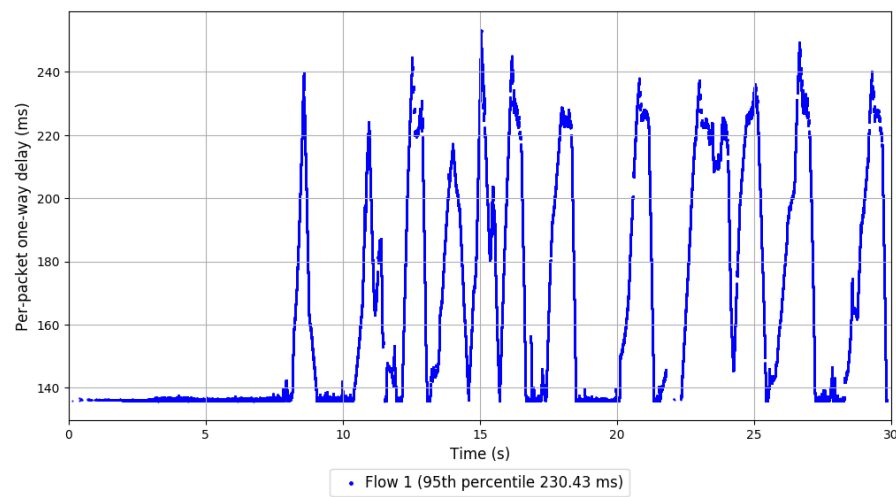
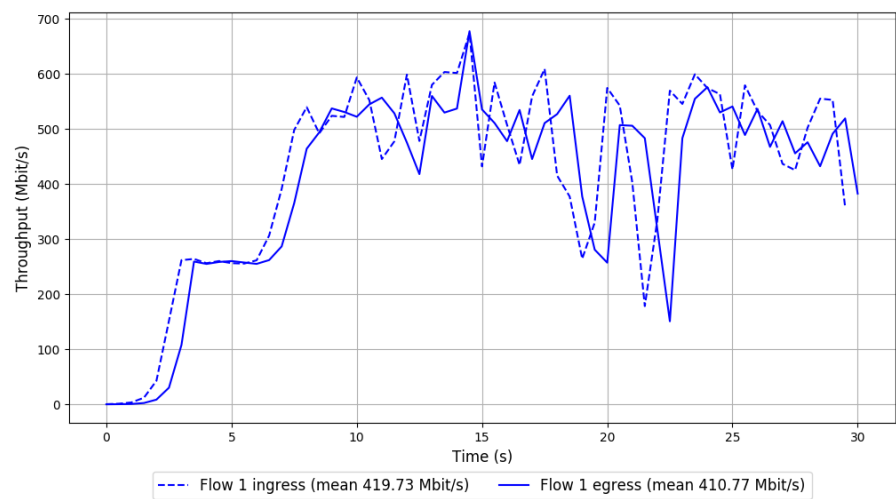
-- Flow 1:

Average throughput: 410.77 Mbit/s

95th percentile per-packet one-way delay: 230.433 ms

Loss rate: 3.02%

Run 1: Report of TCP BBR — Data Link

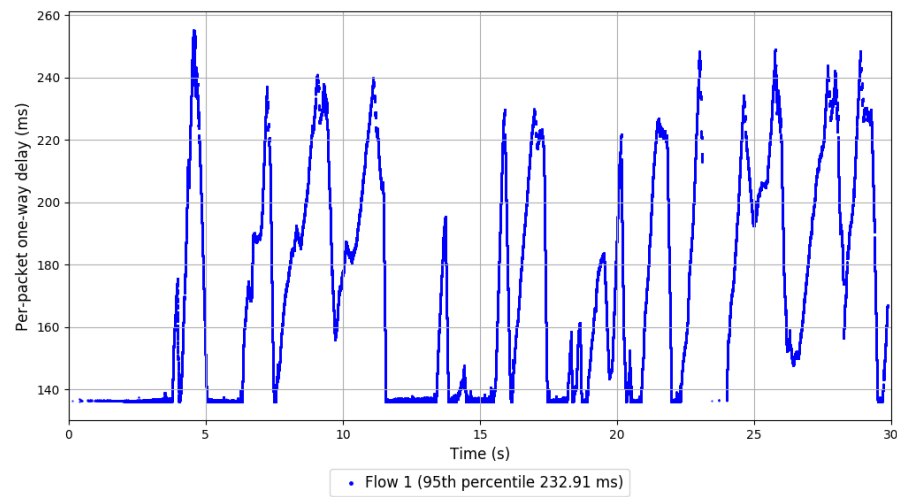
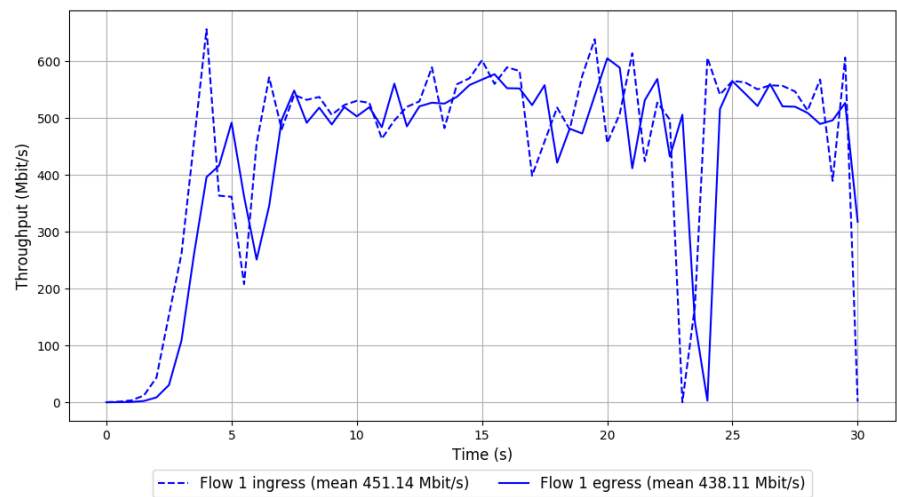


Run 2: Statistics of TCP BBR

Start at: 2018-08-11 15:07:51
End at: 2018-08-11 15:08:21
Local clock offset: -0.376 ms
Remote clock offset: -0.568 ms

Below is generated by plot.py at 2018-08-11 18:50:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 438.11 Mbit/s
95th percentile per-packet one-way delay: 232.906 ms
Loss rate: 3.77%
-- Flow 1:
Average throughput: 438.11 Mbit/s
95th percentile per-packet one-way delay: 232.906 ms
Loss rate: 3.77%

Run 2: Report of TCP BBR — Data Link

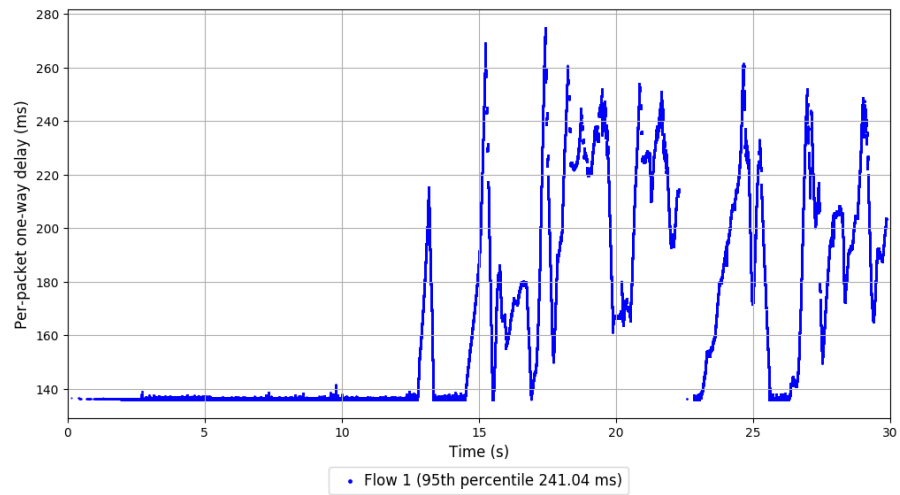
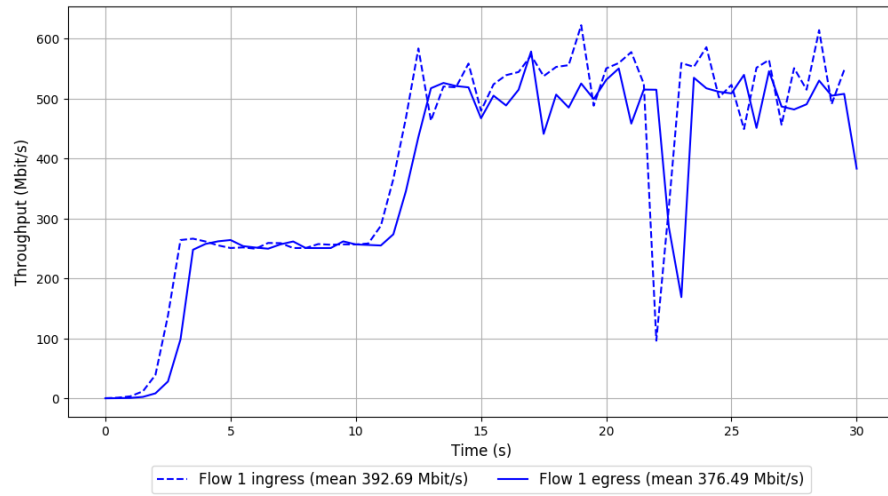


Run 3: Statistics of TCP BBR

Start at: 2018-08-11 15:31:55
End at: 2018-08-11 15:32:25
Local clock offset: -0.447 ms
Remote clock offset: -0.575 ms

Below is generated by plot.py at 2018-08-11 18:50:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 376.49 Mbit/s
95th percentile per-packet one-way delay: 241.036 ms
Loss rate: 4.99%
-- Flow 1:
Average throughput: 376.49 Mbit/s
95th percentile per-packet one-way delay: 241.036 ms
Loss rate: 4.99%

Run 3: Report of TCP BBR — Data Link

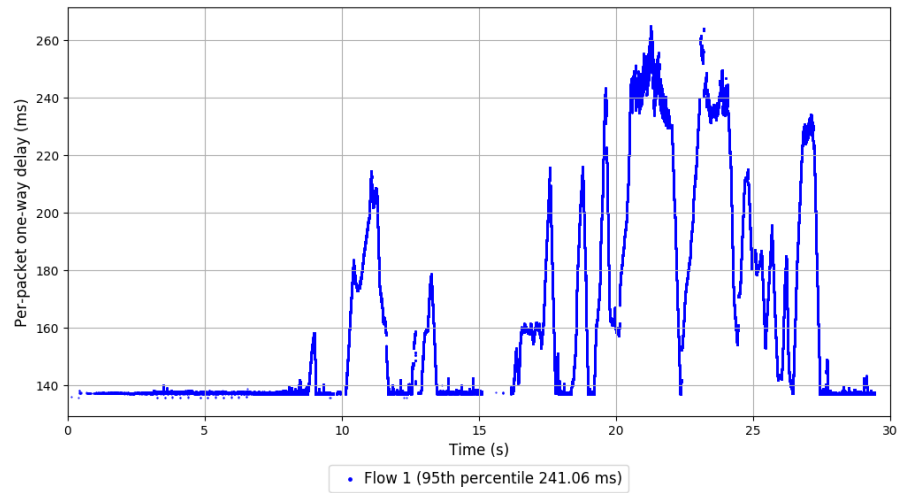
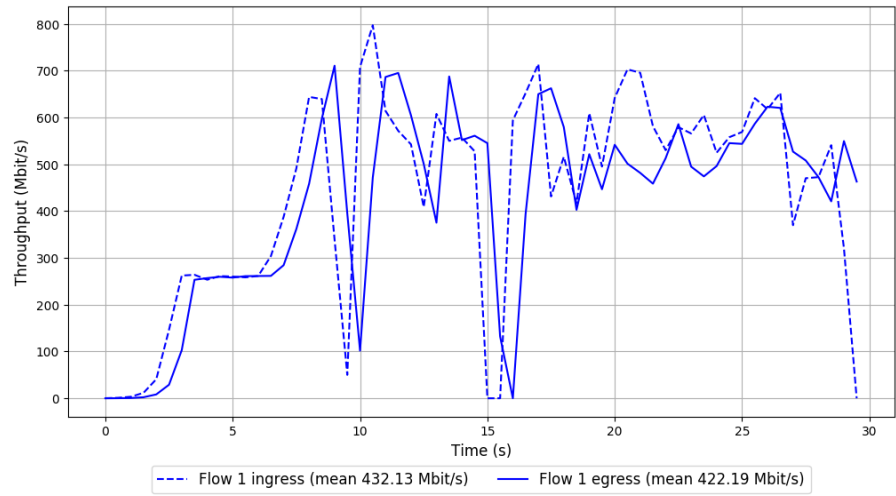


Run 4: Statistics of TCP BBR

Start at: 2018-08-11 15:56:01
End at: 2018-08-11 15:56:31
Local clock offset: -0.395 ms
Remote clock offset: -0.513 ms

Below is generated by plot.py at 2018-08-11 18:50:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 422.19 Mbit/s
95th percentile per-packet one-way delay: 241.059 ms
Loss rate: 4.23%
-- Flow 1:
Average throughput: 422.19 Mbit/s
95th percentile per-packet one-way delay: 241.059 ms
Loss rate: 4.23%

Run 4: Report of TCP BBR — Data Link

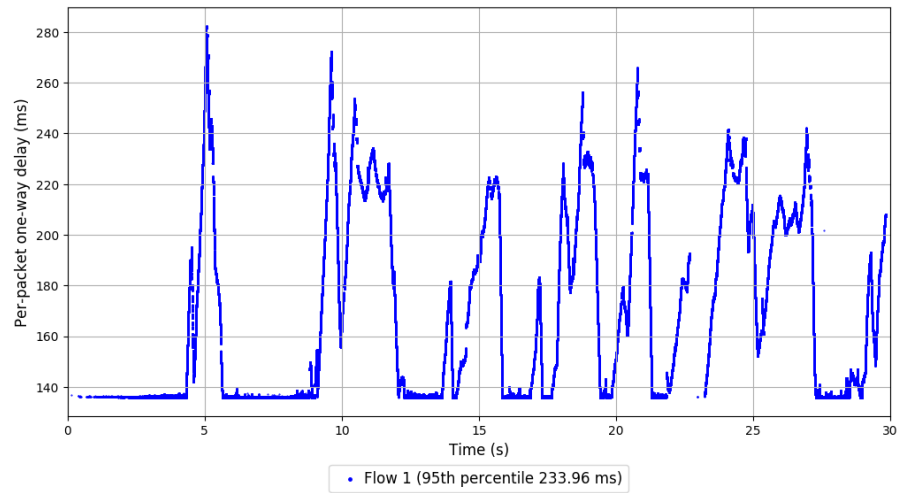
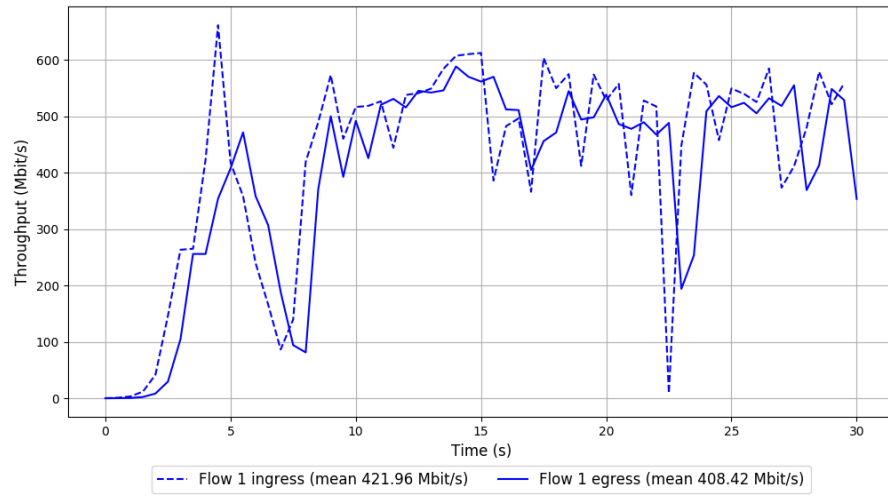


Run 5: Statistics of TCP BBR

Start at: 2018-08-11 16:19:39
End at: 2018-08-11 16:20:09
Local clock offset: -0.77 ms
Remote clock offset: -0.388 ms

Below is generated by plot.py at 2018-08-11 18:50:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 408.42 Mbit/s
95th percentile per-packet one-way delay: 233.964 ms
Loss rate: 4.09%
-- Flow 1:
Average throughput: 408.42 Mbit/s
95th percentile per-packet one-way delay: 233.964 ms
Loss rate: 4.09%

Run 5: Report of TCP BBR — Data Link

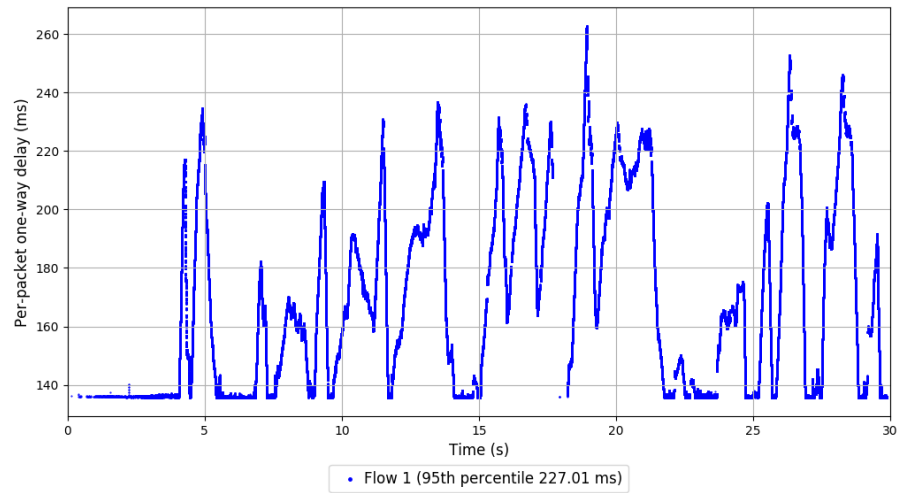
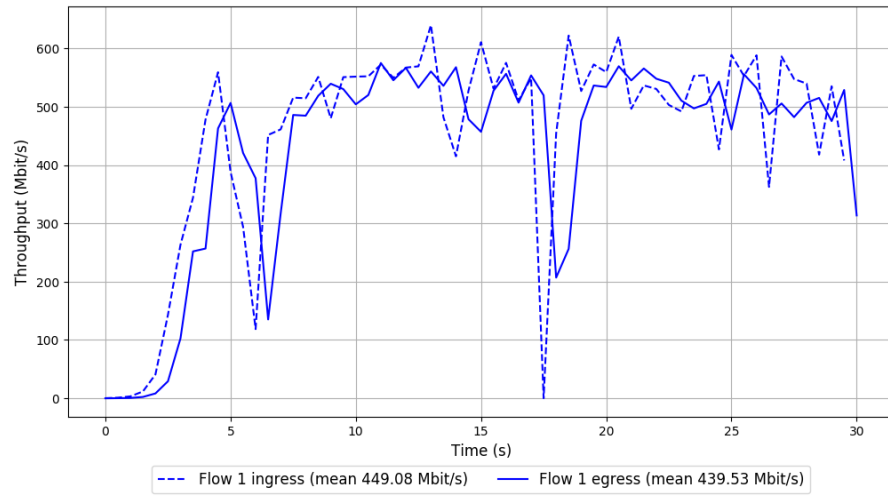


Run 6: Statistics of TCP BBR

Start at: 2018-08-11 16:43:24
End at: 2018-08-11 16:43:54
Local clock offset: -0.667 ms
Remote clock offset: -0.206 ms

Below is generated by plot.py at 2018-08-11 18:50:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 439.53 Mbit/s
95th percentile per-packet one-way delay: 227.010 ms
Loss rate: 3.02%
-- Flow 1:
Average throughput: 439.53 Mbit/s
95th percentile per-packet one-way delay: 227.010 ms
Loss rate: 3.02%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-08-11 17:06:52

End at: 2018-08-11 17:07:22

Local clock offset: -0.77 ms

Remote clock offset: -0.594 ms

Below is generated by plot.py at 2018-08-11 18:50:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 430.23 Mbit/s

95th percentile per-packet one-way delay: 245.824 ms

Loss rate: 6.43%

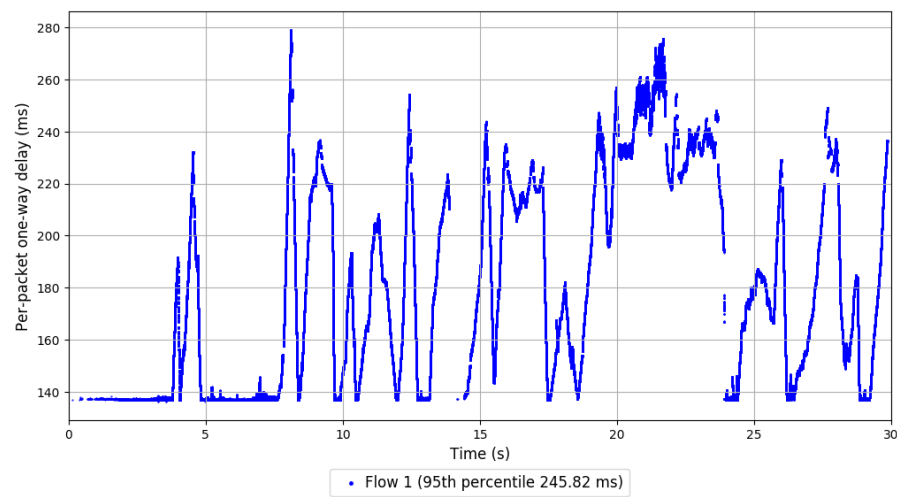
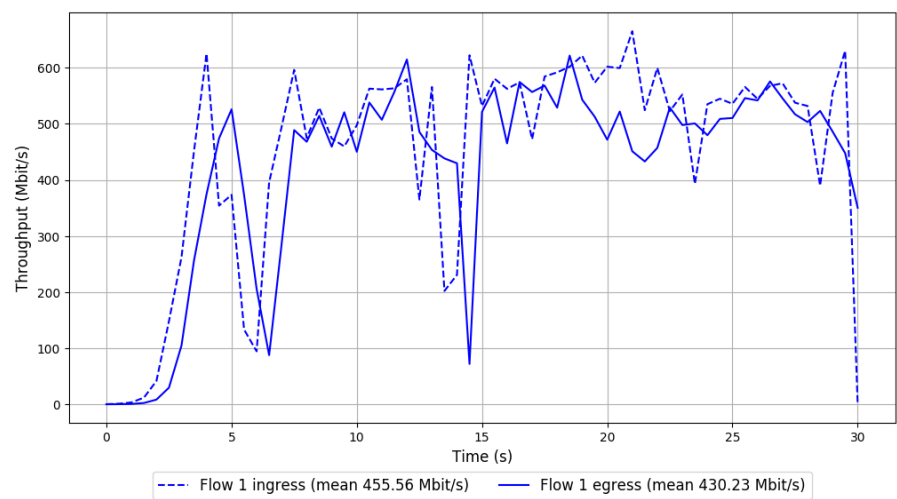
-- Flow 1:

Average throughput: 430.23 Mbit/s

95th percentile per-packet one-way delay: 245.824 ms

Loss rate: 6.43%

Run 7: Report of TCP BBR — Data Link

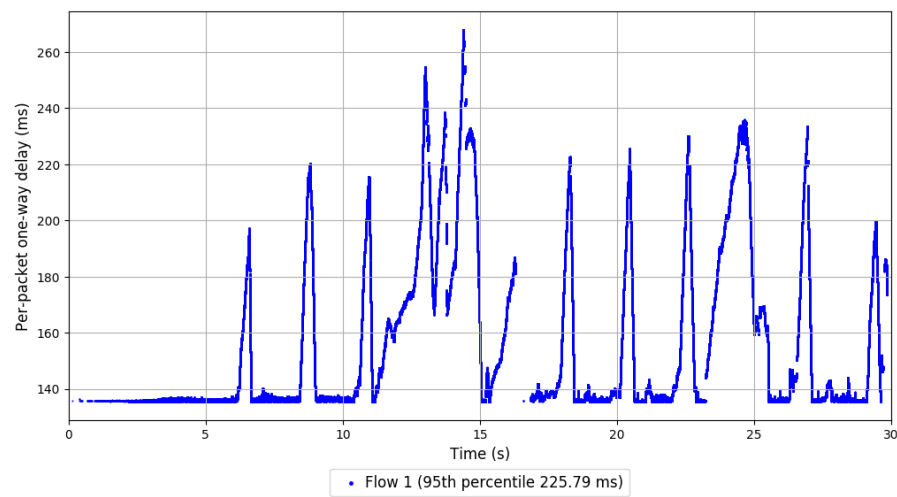
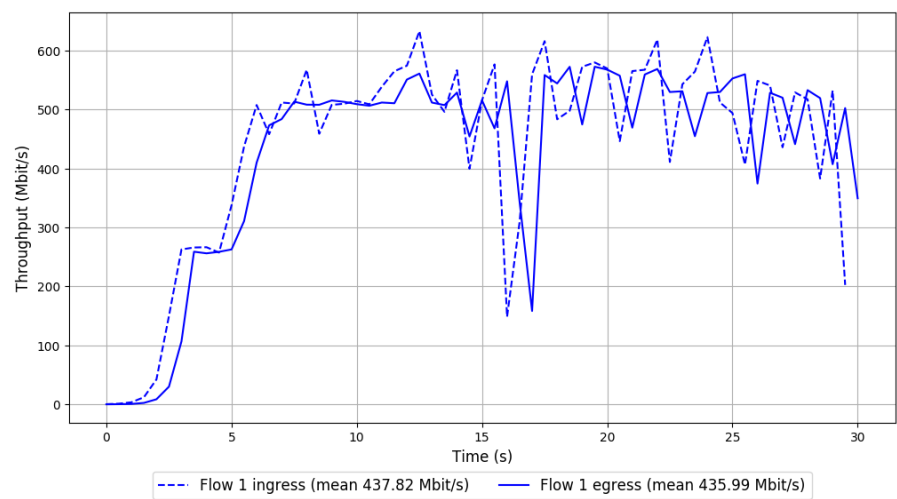


Run 8: Statistics of TCP BBR

Start at: 2018-08-11 17:30:34
End at: 2018-08-11 17:31:04
Local clock offset: -0.518 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2018-08-11 18:50:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 435.99 Mbit/s
95th percentile per-packet one-way delay: 225.791 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 435.99 Mbit/s
95th percentile per-packet one-way delay: 225.791 ms
Loss rate: 1.32%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-08-11 17:53:58

End at: 2018-08-11 17:54:28

Local clock offset: 0.377 ms

Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-08-11 18:56:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 430.65 Mbit/s

95th percentile per-packet one-way delay: 228.074 ms

Loss rate: 2.55%

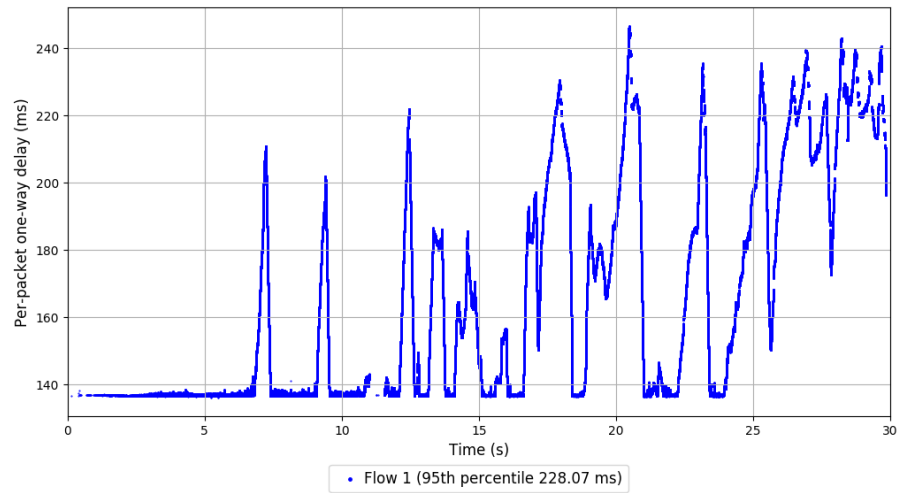
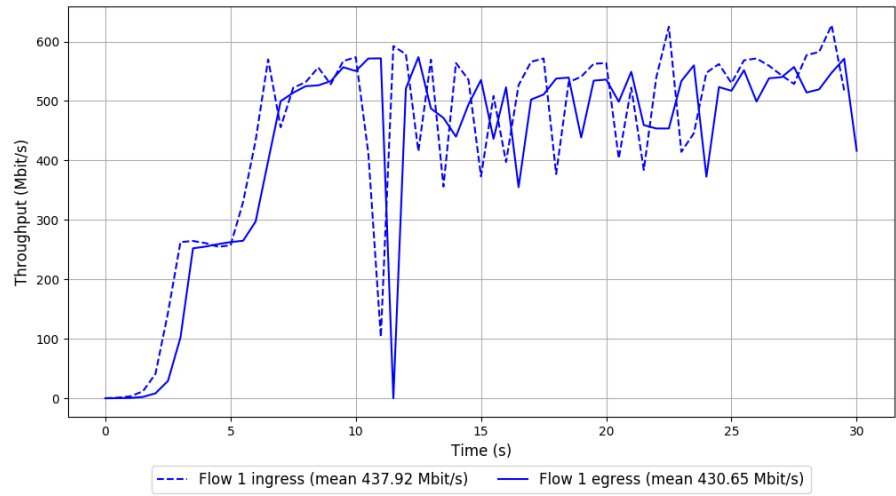
-- Flow 1:

Average throughput: 430.65 Mbit/s

95th percentile per-packet one-way delay: 228.074 ms

Loss rate: 2.55%

Run 9: Report of TCP BBR — Data Link

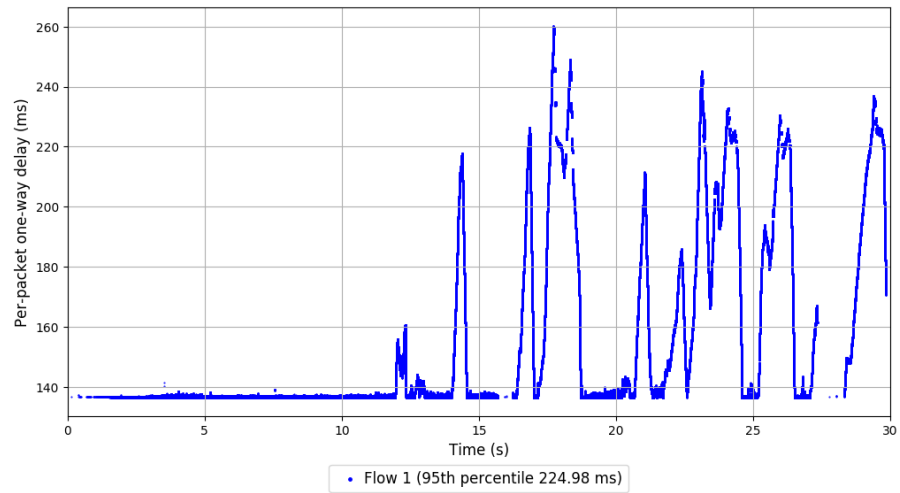
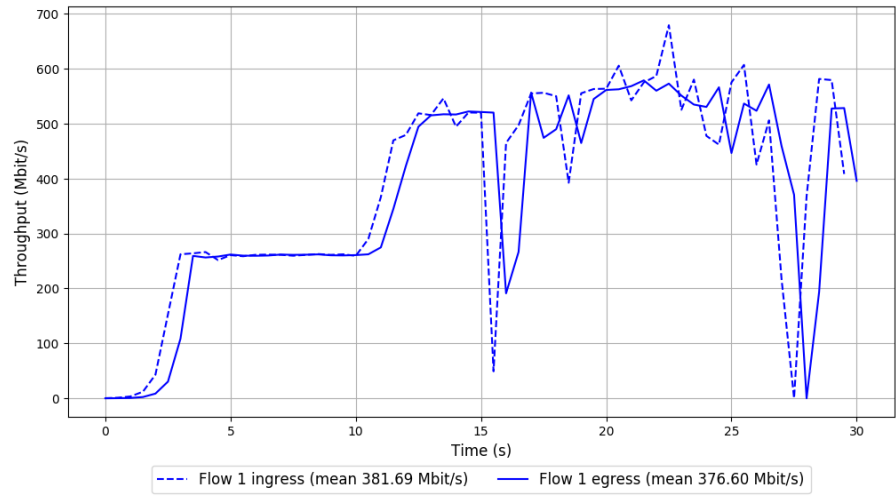


Run 10: Statistics of TCP BBR

Start at: 2018-08-11 18:17:20
End at: 2018-08-11 18:17:50
Local clock offset: 0.513 ms
Remote clock offset: -0.273 ms

Below is generated by plot.py at 2018-08-11 18:56:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 376.60 Mbit/s
95th percentile per-packet one-way delay: 224.982 ms
Loss rate: 2.24%
-- Flow 1:
Average throughput: 376.60 Mbit/s
95th percentile per-packet one-way delay: 224.982 ms
Loss rate: 2.24%

Run 10: Report of TCP BBR — Data Link

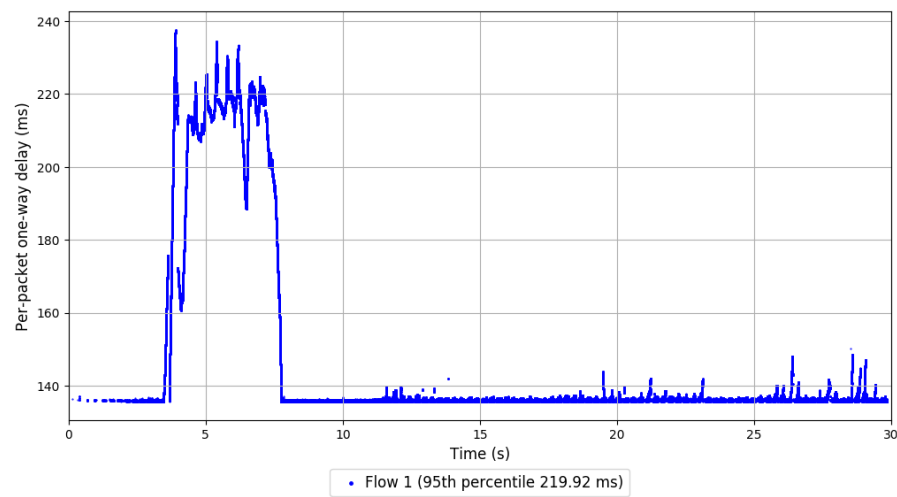
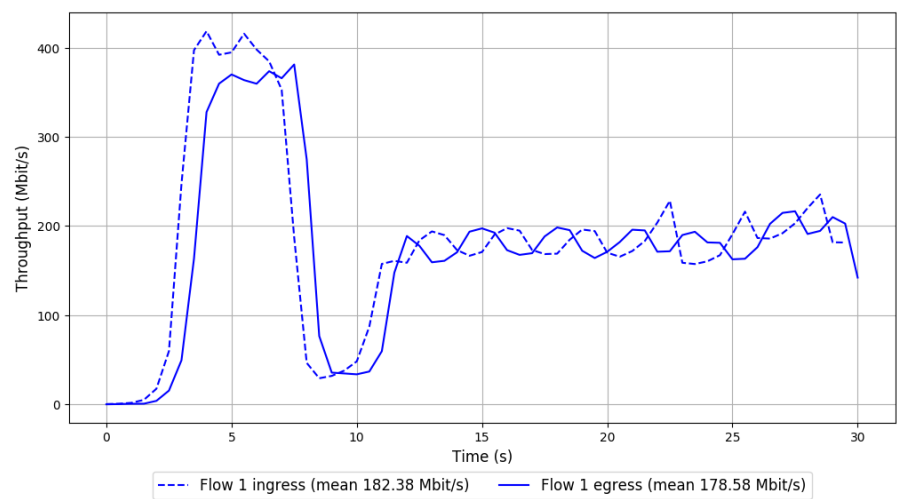


Run 1: Statistics of Copa

Start at: 2018-08-11 14:50:23
End at: 2018-08-11 14:50:53
Local clock offset: -0.371 ms
Remote clock offset: -0.209 ms

Below is generated by plot.py at 2018-08-11 18:56:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 178.58 Mbit/s
95th percentile per-packet one-way delay: 219.919 ms
Loss rate: 2.97%
-- Flow 1:
Average throughput: 178.58 Mbit/s
95th percentile per-packet one-way delay: 219.919 ms
Loss rate: 2.97%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-08-11 15:13:52

End at: 2018-08-11 15:14:22

Local clock offset: -0.602 ms

Remote clock offset: 0.187 ms

Below is generated by plot.py at 2018-08-11 18:56:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 231.28 Mbit/s

95th percentile per-packet one-way delay: 160.076 ms

Loss rate: 1.40%

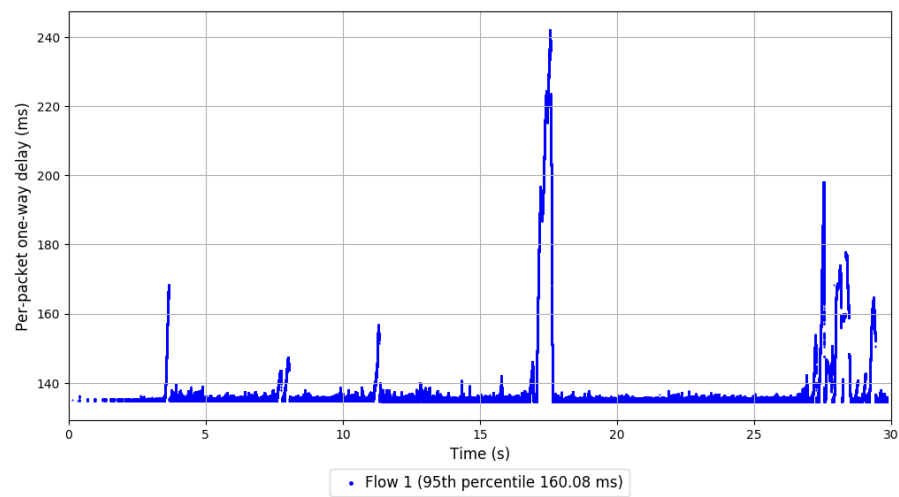
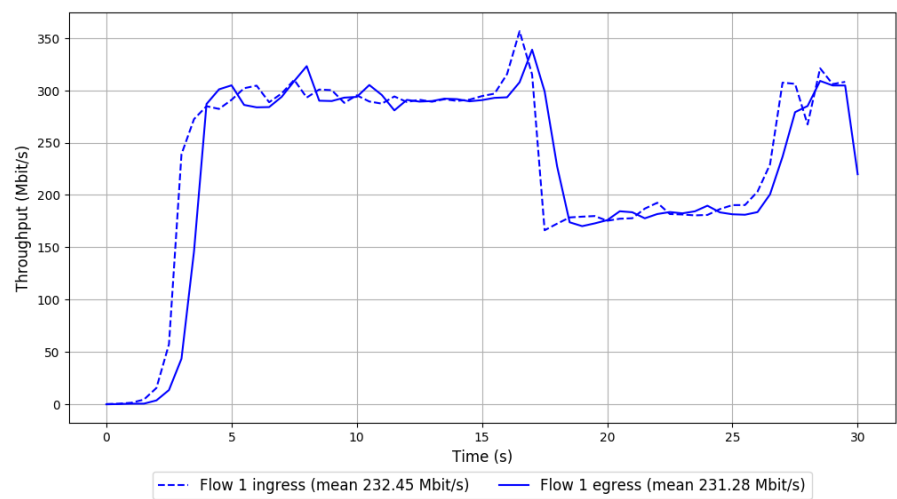
-- Flow 1:

Average throughput: 231.28 Mbit/s

95th percentile per-packet one-way delay: 160.076 ms

Loss rate: 1.40%

Run 2: Report of Copa — Data Link

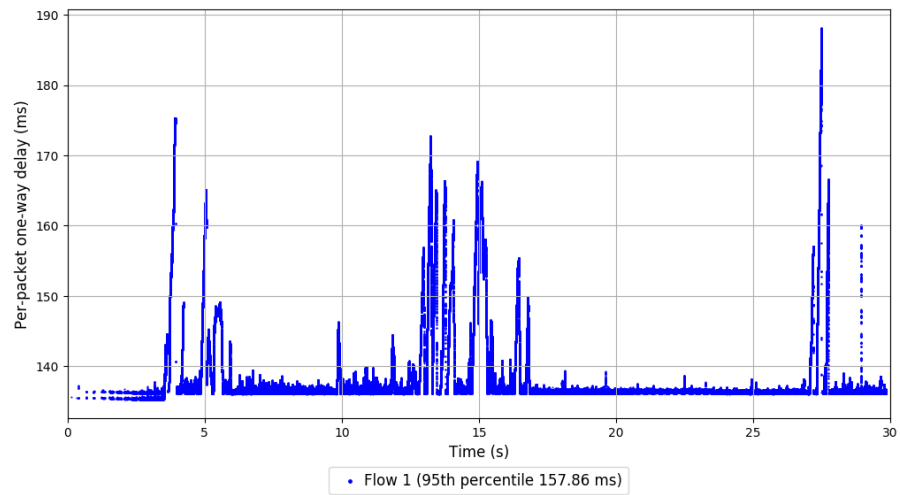
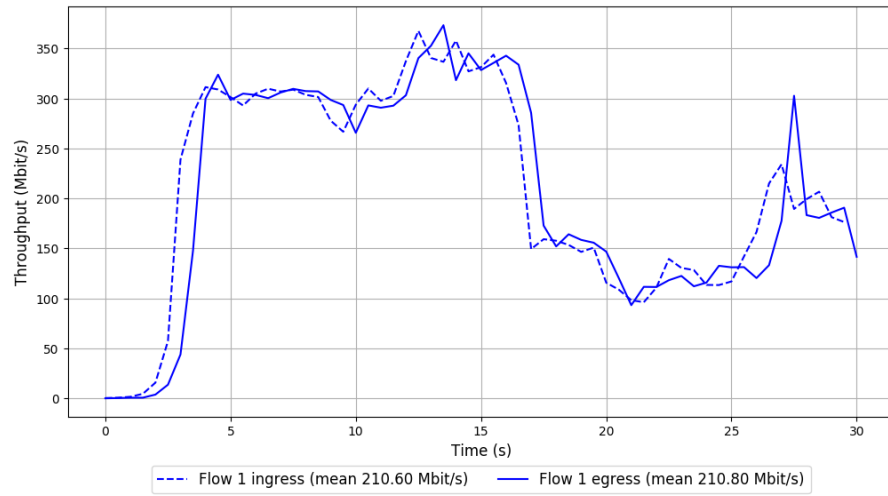


Run 3: Statistics of Copa

Start at: 2018-08-11 15:38:10
End at: 2018-08-11 15:38:40
Local clock offset: -0.327 ms
Remote clock offset: -0.597 ms

Below is generated by plot.py at 2018-08-11 18:56:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 210.80 Mbit/s
95th percentile per-packet one-way delay: 157.857 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 210.80 Mbit/s
95th percentile per-packet one-way delay: 157.857 ms
Loss rate: 0.81%

Run 3: Report of Copa — Data Link

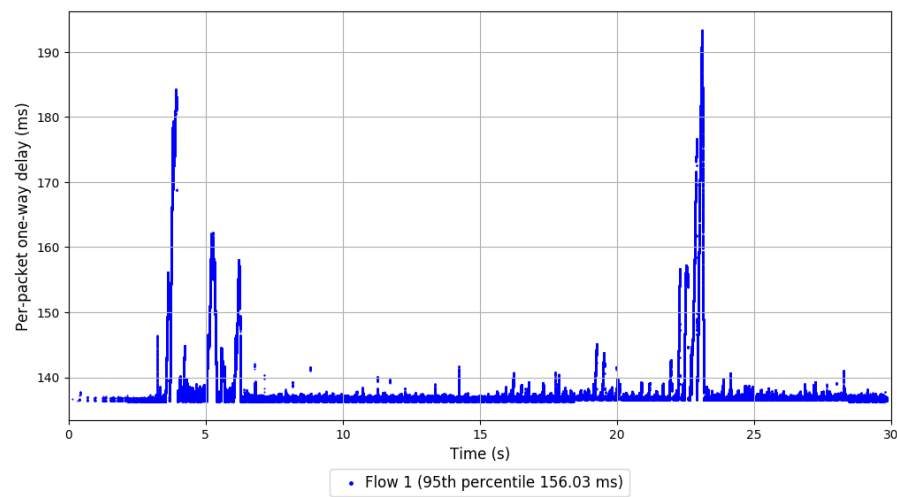
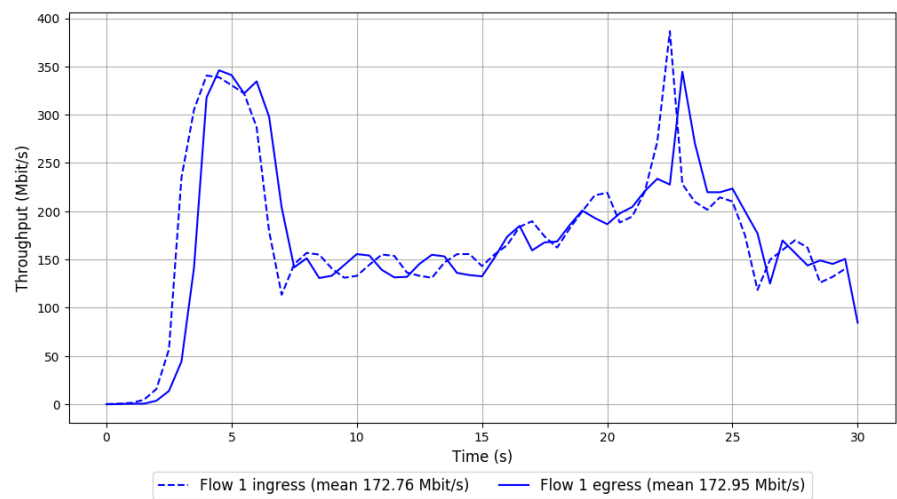


Run 4: Statistics of Copa

Start at: 2018-08-11 16:02:05
End at: 2018-08-11 16:02:35
Local clock offset: -0.441 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2018-08-11 18:56:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 172.95 Mbit/s
95th percentile per-packet one-way delay: 156.035 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 172.95 Mbit/s
95th percentile per-packet one-way delay: 156.035 ms
Loss rate: 0.79%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-08-11 16:25:59

End at: 2018-08-11 16:26:29

Local clock offset: -0.807 ms

Remote clock offset: 0.208 ms

Below is generated by plot.py at 2018-08-11 18:56:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 176.74 Mbit/s

95th percentile per-packet one-way delay: 224.068 ms

Loss rate: 0.86%

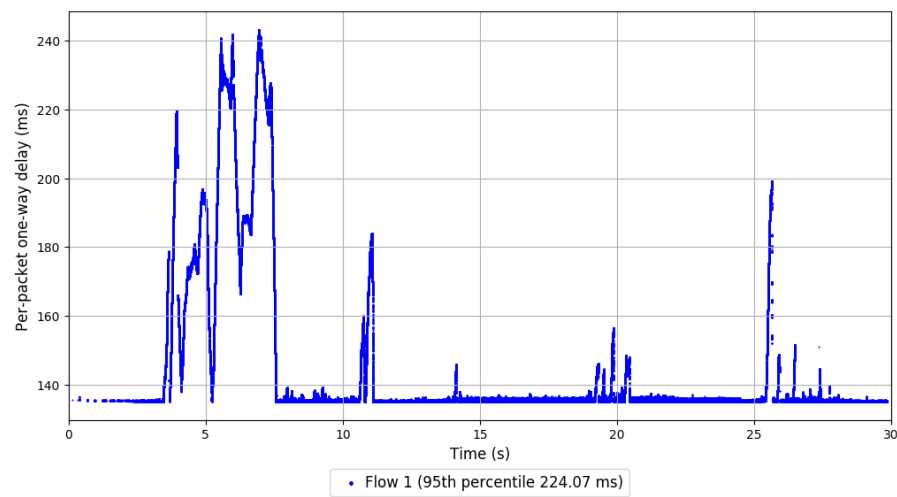
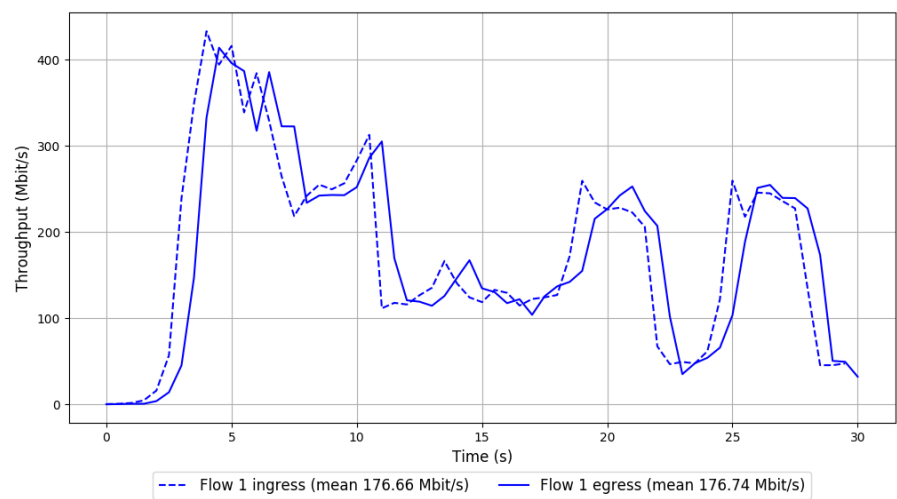
-- Flow 1:

Average throughput: 176.74 Mbit/s

95th percentile per-packet one-way delay: 224.068 ms

Loss rate: 0.86%

Run 5: Report of Copa — Data Link

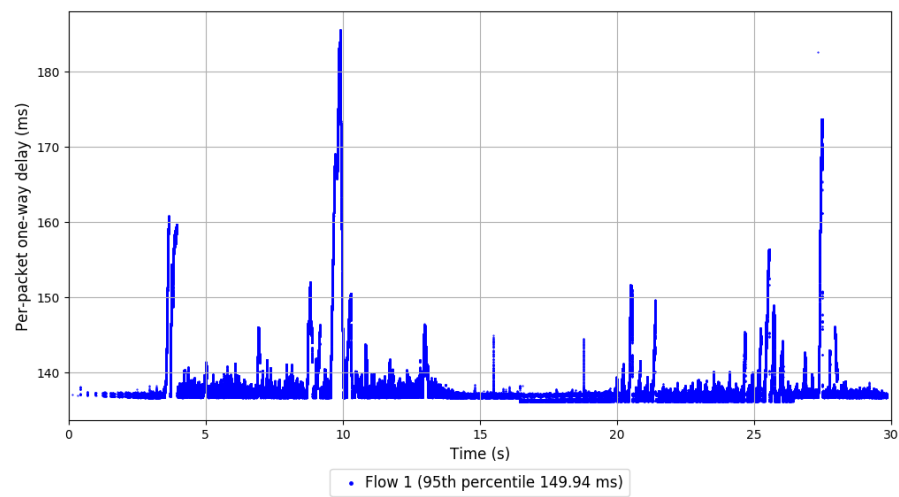
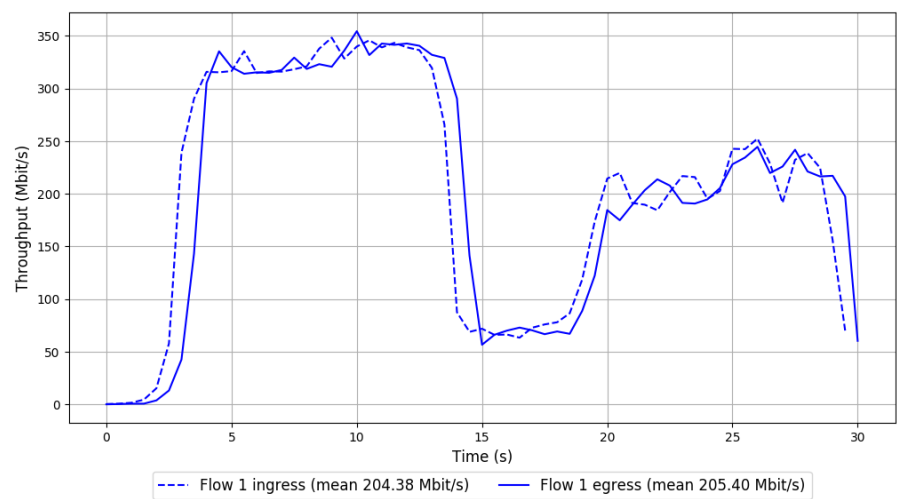


Run 6: Statistics of Copa

Start at: 2018-08-11 16:49:37
End at: 2018-08-11 16:50:07
Local clock offset: -0.553 ms
Remote clock offset: -0.553 ms

Below is generated by plot.py at 2018-08-11 18:56:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.40 Mbit/s
95th percentile per-packet one-way delay: 149.942 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 205.40 Mbit/s
95th percentile per-packet one-way delay: 149.942 ms
Loss rate: 0.40%

Run 6: Report of Copa — Data Link

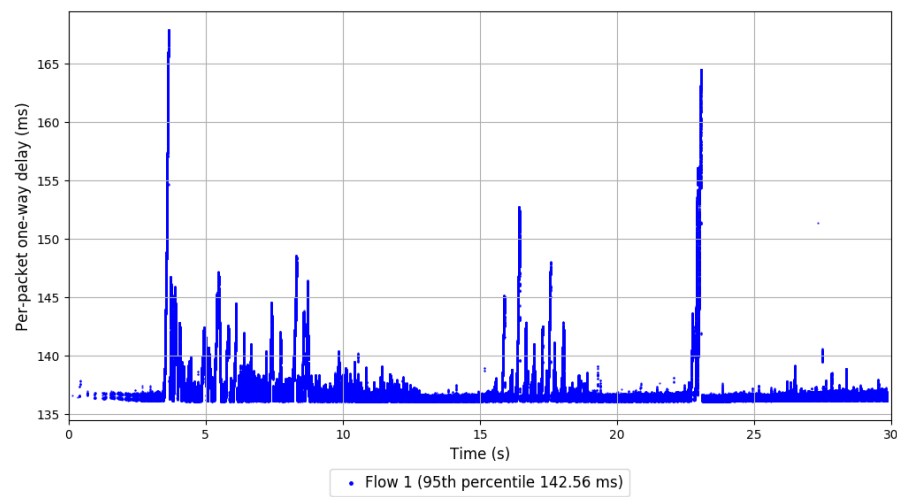
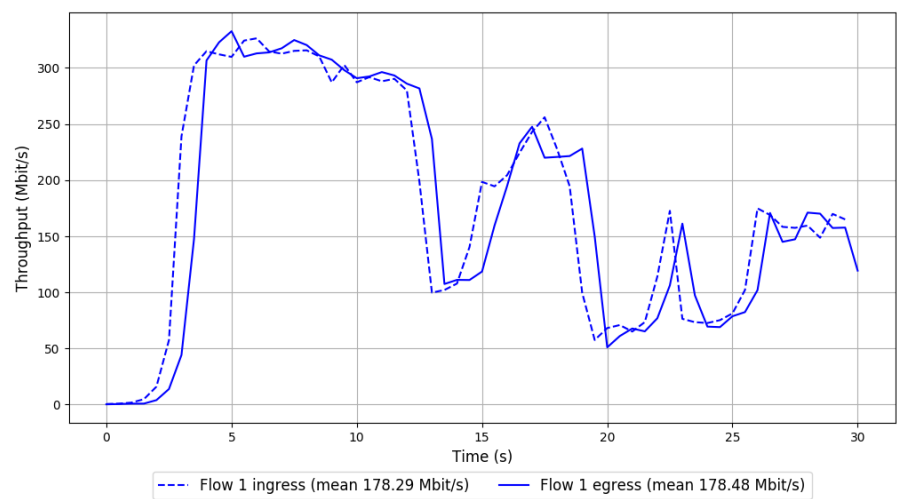


Run 7: Statistics of Copa

Start at: 2018-08-11 17:12:59
End at: 2018-08-11 17:13:29
Local clock offset: -0.794 ms
Remote clock offset: -0.173 ms

Below is generated by plot.py at 2018-08-11 19:00:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 178.48 Mbit/s
95th percentile per-packet one-way delay: 142.564 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 178.48 Mbit/s
95th percentile per-packet one-way delay: 142.564 ms
Loss rate: 0.80%

Run 7: Report of Copa — Data Link

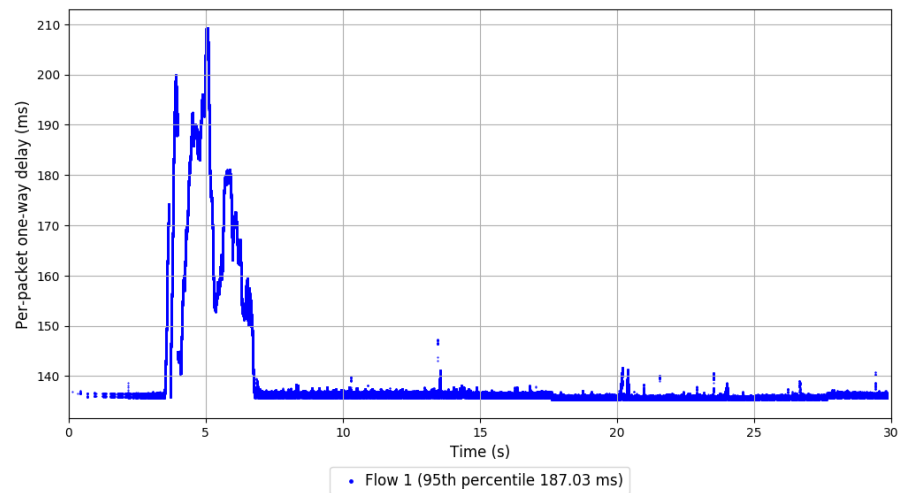
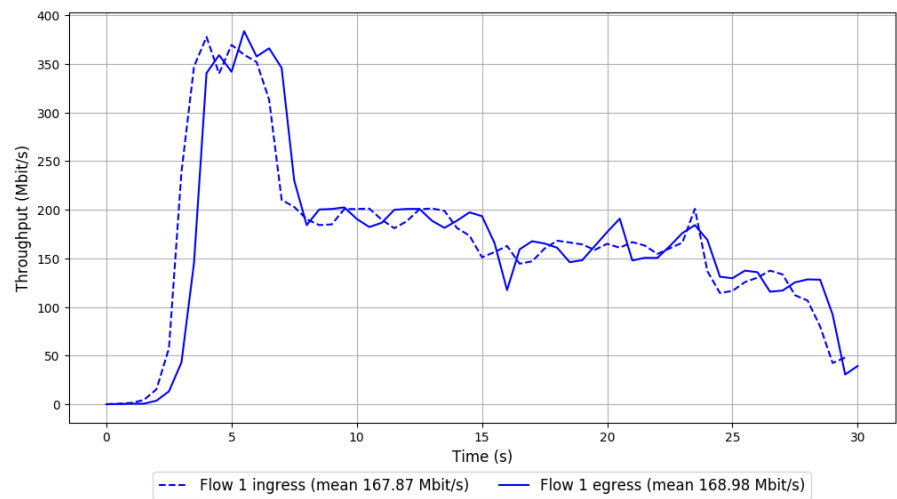


Run 8: Statistics of Copa

Start at: 2018-08-11 17:36:46
End at: 2018-08-11 17:37:16
Local clock offset: -0.021 ms
Remote clock offset: -0.158 ms

Below is generated by plot.py at 2018-08-11 19:00:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 168.98 Mbit/s
95th percentile per-packet one-way delay: 187.026 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 168.98 Mbit/s
95th percentile per-packet one-way delay: 187.026 ms
Loss rate: 0.26%

Run 8: Report of Copa — Data Link

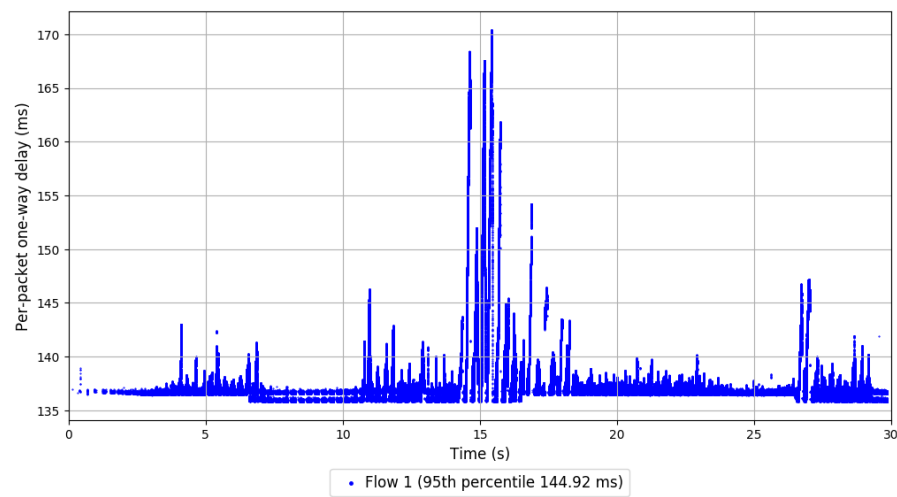
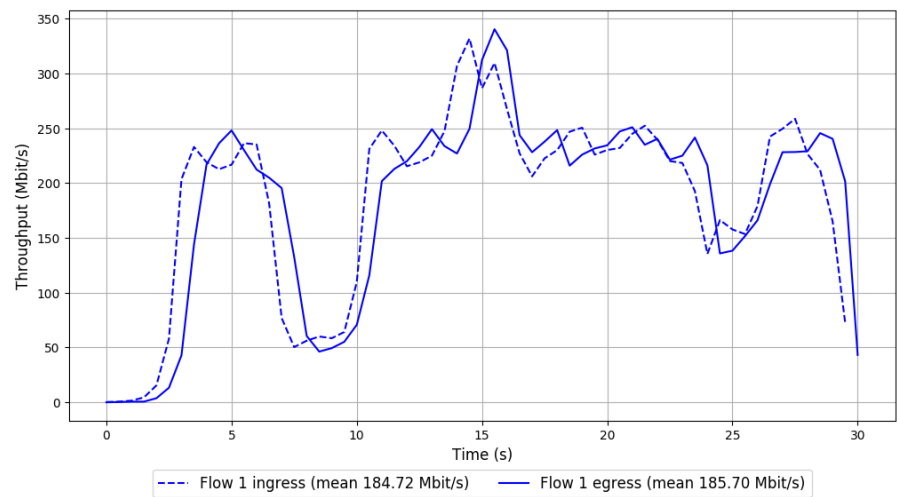


Run 9: Statistics of Copa

Start at: 2018-08-11 18:00:07
End at: 2018-08-11 18:00:37
Local clock offset: 0.422 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-08-11 19:01:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 185.70 Mbit/s
95th percentile per-packet one-way delay: 144.918 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 185.70 Mbit/s
95th percentile per-packet one-way delay: 144.918 ms
Loss rate: 0.39%

Run 9: Report of Copa — Data Link

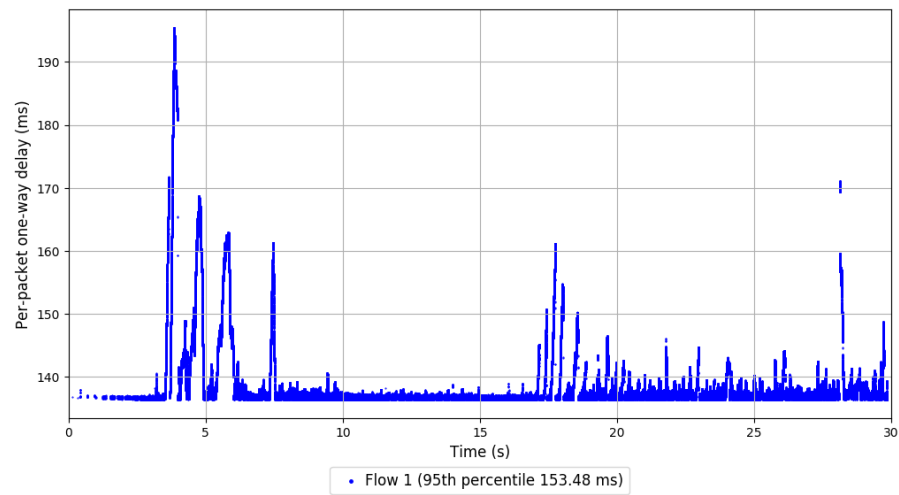
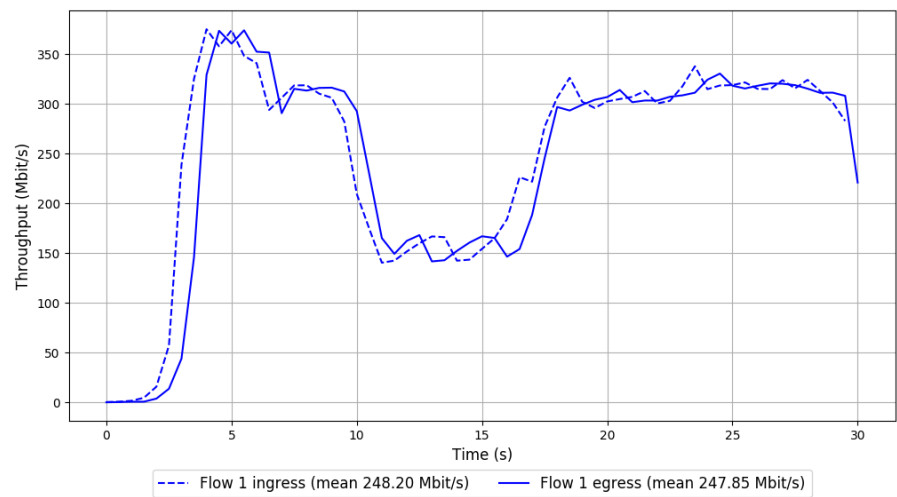


Run 10: Statistics of Copa

Start at: 2018-08-11 18:23:15
End at: 2018-08-11 18:23:45
Local clock offset: 0.868 ms
Remote clock offset: -0.279 ms

Below is generated by plot.py at 2018-08-11 19:03:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 247.85 Mbit/s
95th percentile per-packet one-way delay: 153.479 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 247.85 Mbit/s
95th percentile per-packet one-way delay: 153.479 ms
Loss rate: 1.05%

Run 10: Report of Copa — Data Link

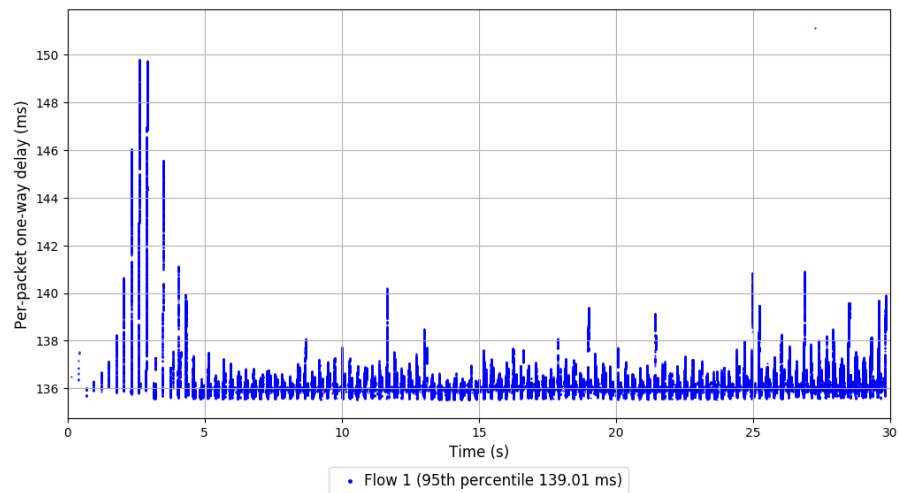
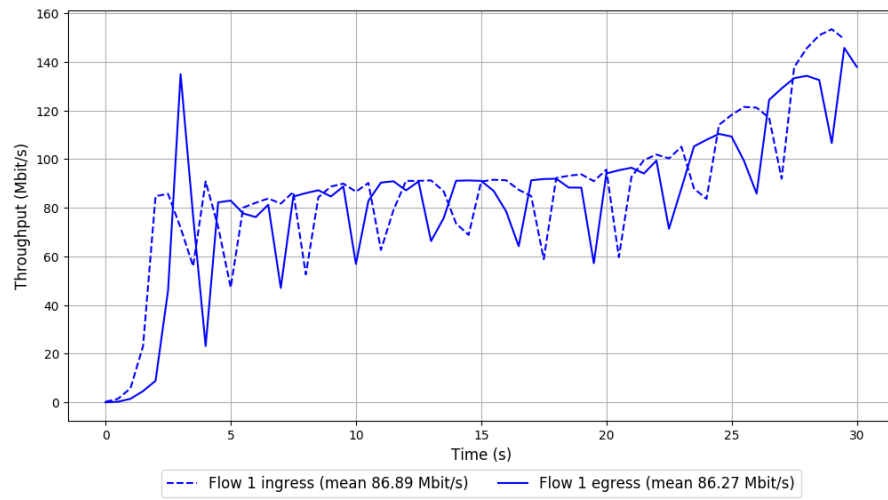


Run 1: Statistics of TCP Cubic

Start at: 2018-08-11 14:39:29
End at: 2018-08-11 14:39:59
Local clock offset: -0.438 ms
Remote clock offset: -0.268 ms

Below is generated by plot.py at 2018-08-11 19:03:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.27 Mbit/s
95th percentile per-packet one-way delay: 139.007 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 86.27 Mbit/s
95th percentile per-packet one-way delay: 139.007 ms
Loss rate: 1.61%

Run 1: Report of TCP Cubic — Data Link

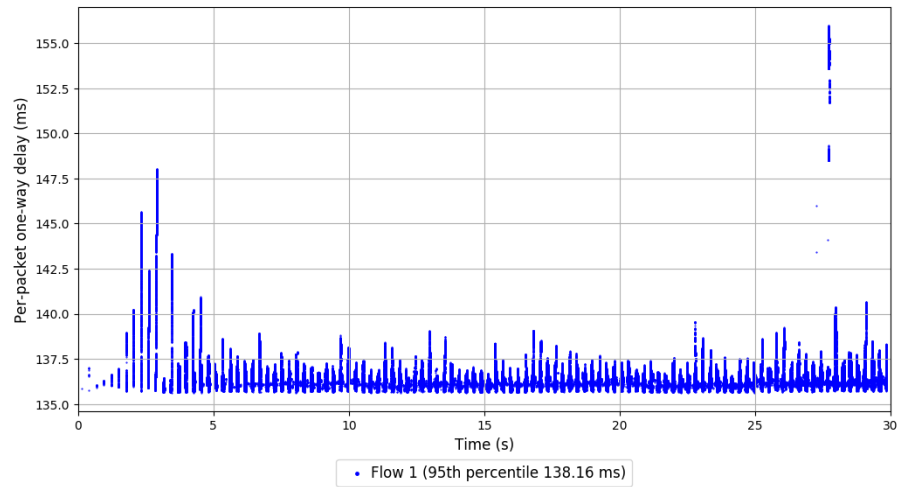
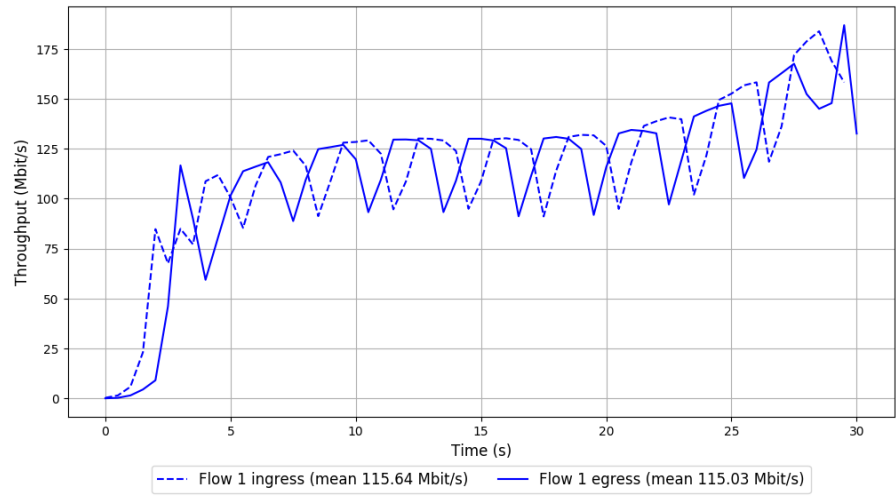


Run 2: Statistics of TCP Cubic

Start at: 2018-08-11 15:02:48
End at: 2018-08-11 15:03:18
Local clock offset: -0.342 ms
Remote clock offset: -0.147 ms

Below is generated by plot.py at 2018-08-11 19:03:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 115.03 Mbit/s
95th percentile per-packet one-way delay: 138.160 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 115.03 Mbit/s
95th percentile per-packet one-way delay: 138.160 ms
Loss rate: 1.43%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-08-11 15:27:08

End at: 2018-08-11 15:27:38

Local clock offset: -0.435 ms

Remote clock offset: 0.128 ms

Below is generated by plot.py at 2018-08-11 19:03:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 125.48 Mbit/s

95th percentile per-packet one-way delay: 138.026 ms

Loss rate: 1.37%

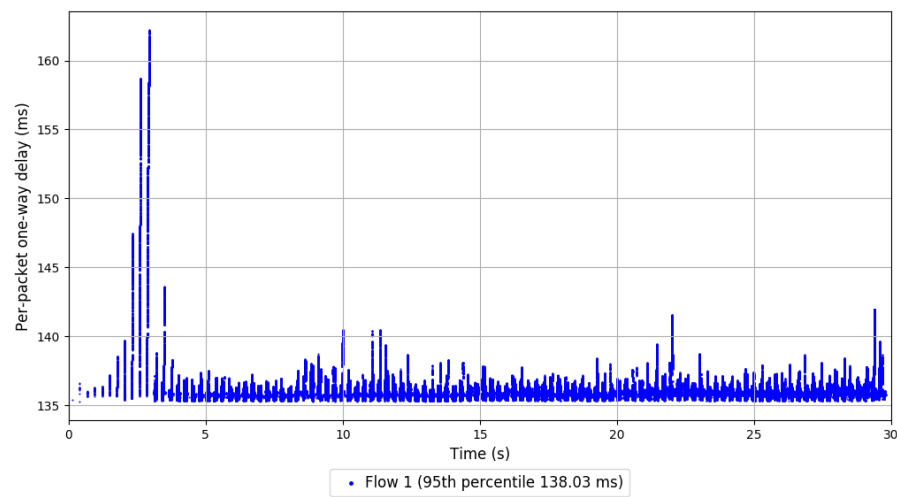
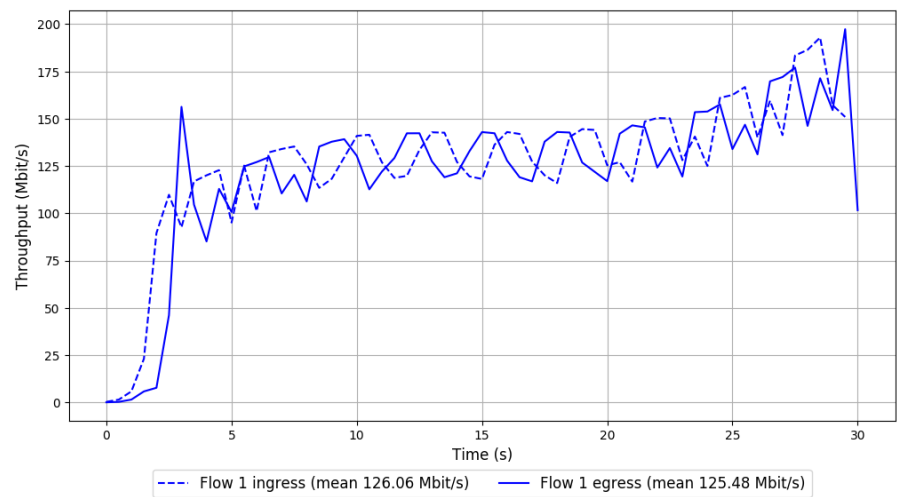
-- Flow 1:

Average throughput: 125.48 Mbit/s

95th percentile per-packet one-way delay: 138.026 ms

Loss rate: 1.37%

Run 3: Report of TCP Cubic — Data Link

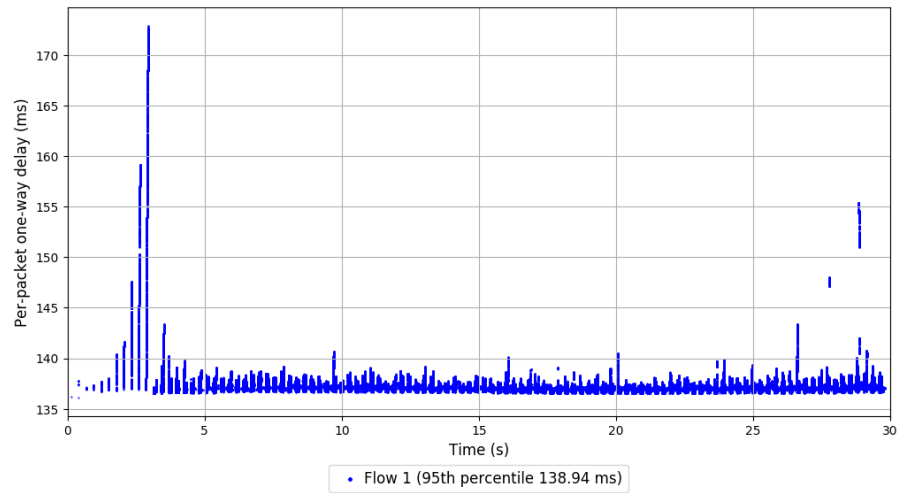
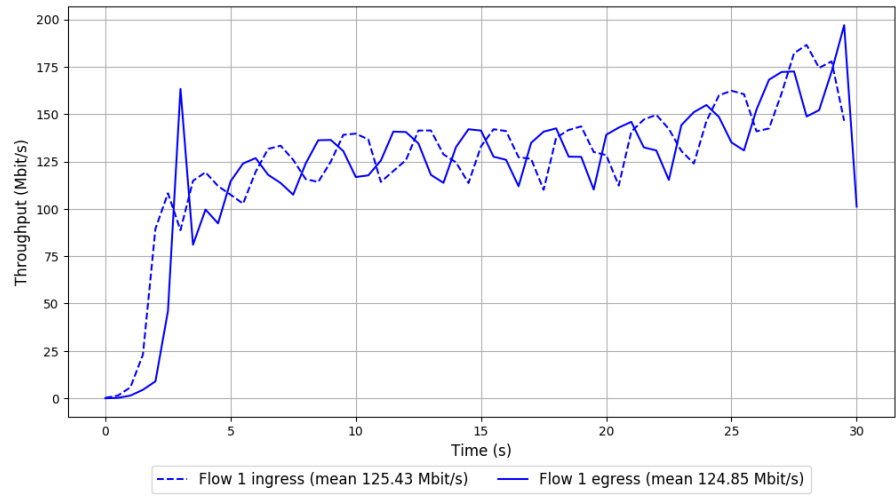


Run 4: Statistics of TCP Cubic

Start at: 2018-08-11 15:50:58
End at: 2018-08-11 15:51:28
Local clock offset: -0.4 ms
Remote clock offset: -0.152 ms

Below is generated by plot.py at 2018-08-11 19:03:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 124.85 Mbit/s
95th percentile per-packet one-way delay: 138.945 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 124.85 Mbit/s
95th percentile per-packet one-way delay: 138.945 ms
Loss rate: 1.37%

Run 4: Report of TCP Cubic — Data Link

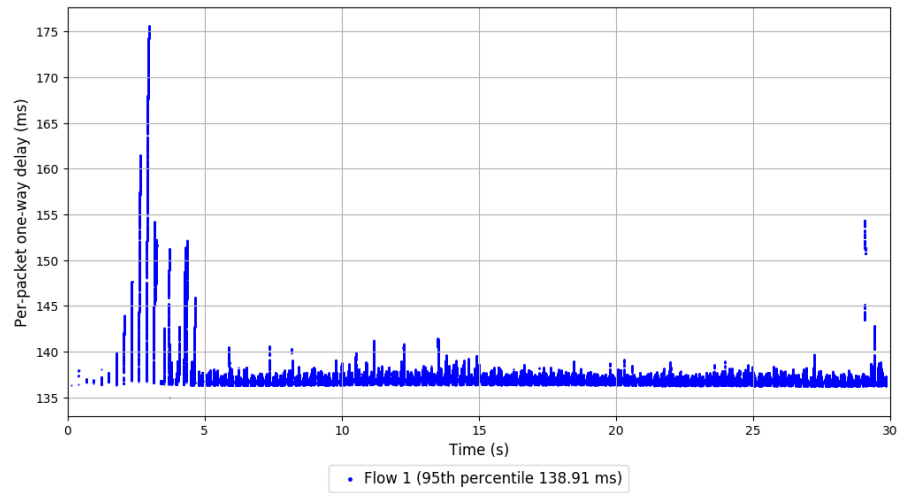
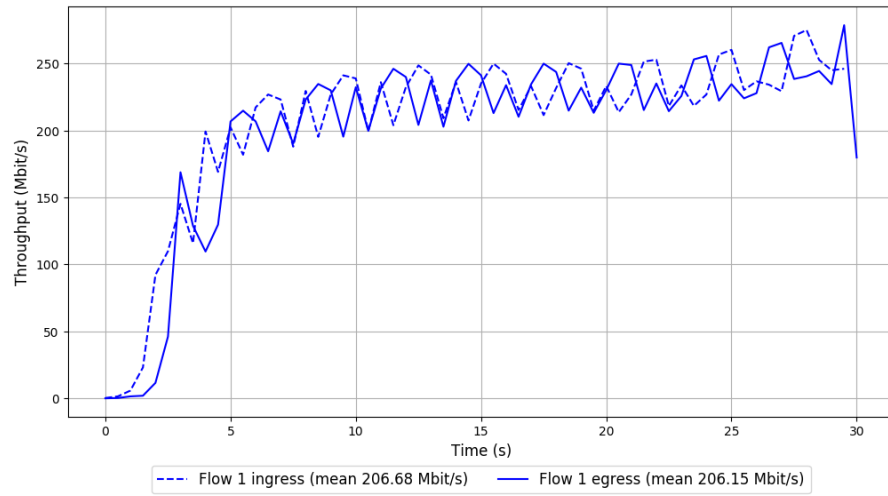


Run 5: Statistics of TCP Cubic

Start at: 2018-08-11 16:14:32
End at: 2018-08-11 16:15:02
Local clock offset: -0.793 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-08-11 19:03:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 206.15 Mbit/s
95th percentile per-packet one-way delay: 138.914 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 206.15 Mbit/s
95th percentile per-packet one-way delay: 138.914 ms
Loss rate: 1.16%

Run 5: Report of TCP Cubic — Data Link

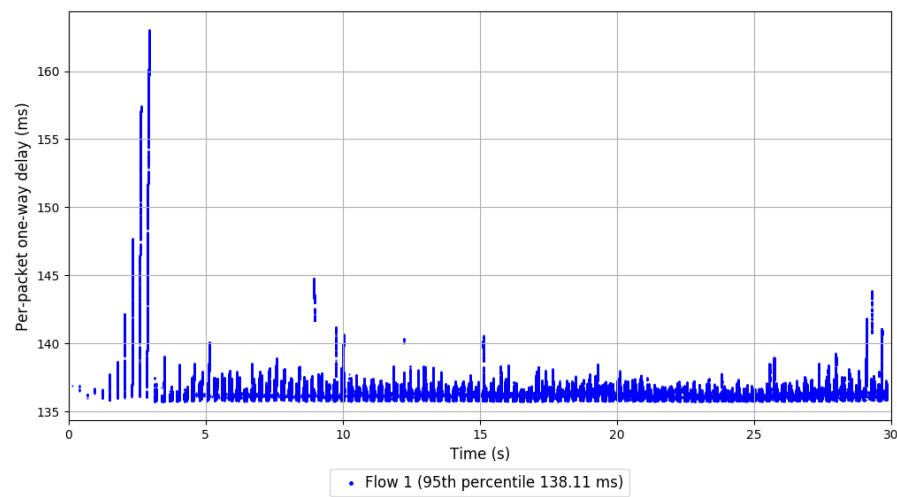
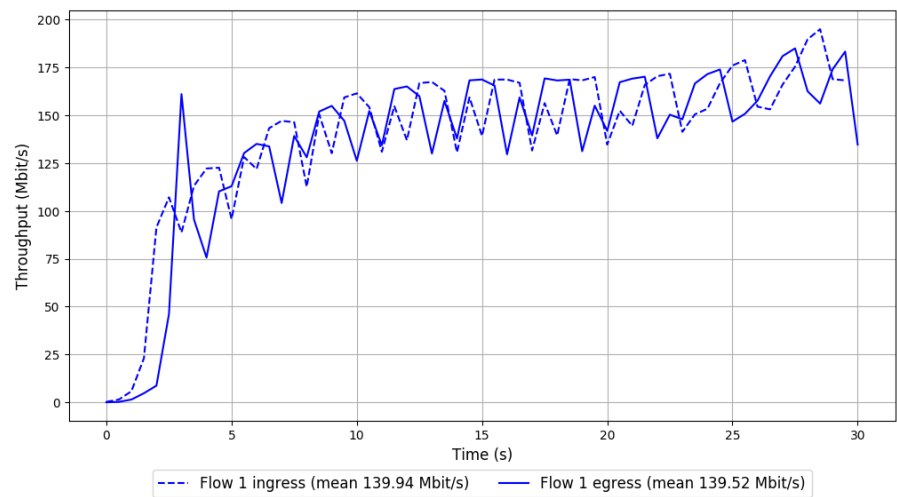


Run 6: Statistics of TCP Cubic

Start at: 2018-08-11 16:38:20
End at: 2018-08-11 16:38:50
Local clock offset: -0.51 ms
Remote clock offset: -0.186 ms

Below is generated by plot.py at 2018-08-11 19:03:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 139.52 Mbit/s
95th percentile per-packet one-way delay: 138.111 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 139.52 Mbit/s
95th percentile per-packet one-way delay: 138.111 ms
Loss rate: 1.21%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-08-11 17:02:08

End at: 2018-08-11 17:02:38

Local clock offset: -0.776 ms

Remote clock offset: 0.16 ms

Below is generated by plot.py at 2018-08-11 19:03:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 119.37 Mbit/s

95th percentile per-packet one-way delay: 139.028 ms

Loss rate: 1.35%

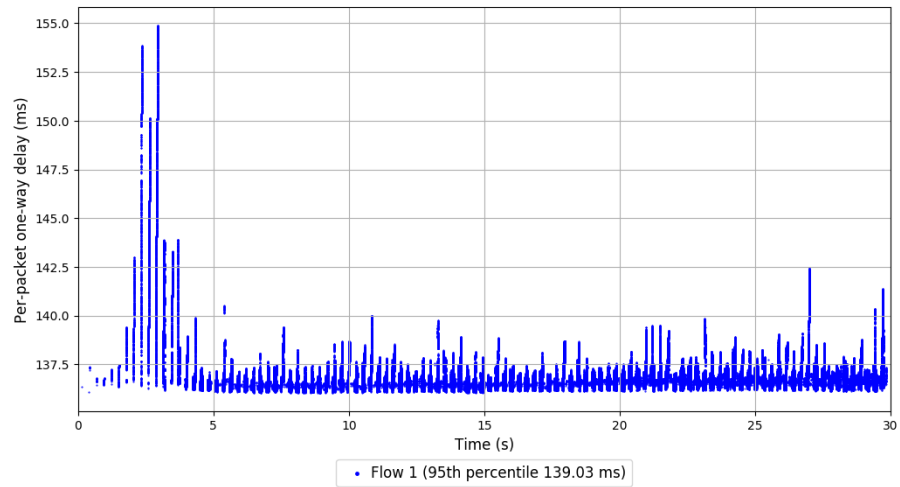
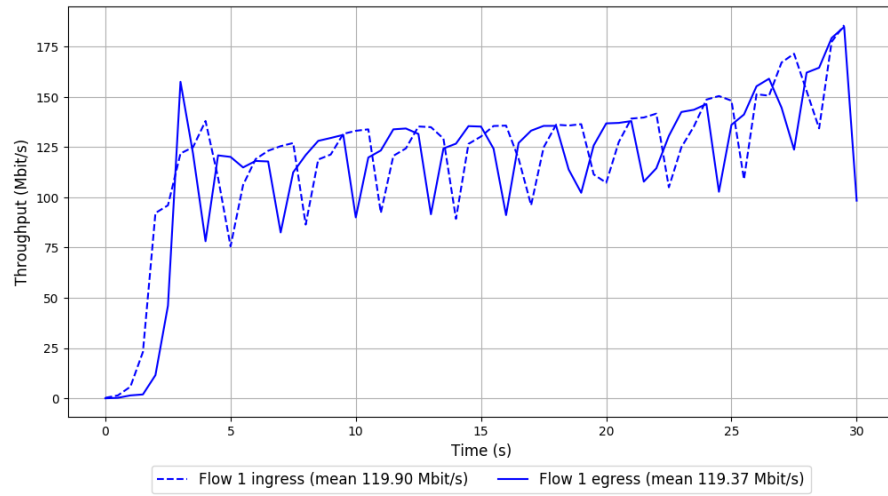
-- Flow 1:

Average throughput: 119.37 Mbit/s

95th percentile per-packet one-way delay: 139.028 ms

Loss rate: 1.35%

Run 7: Report of TCP Cubic — Data Link

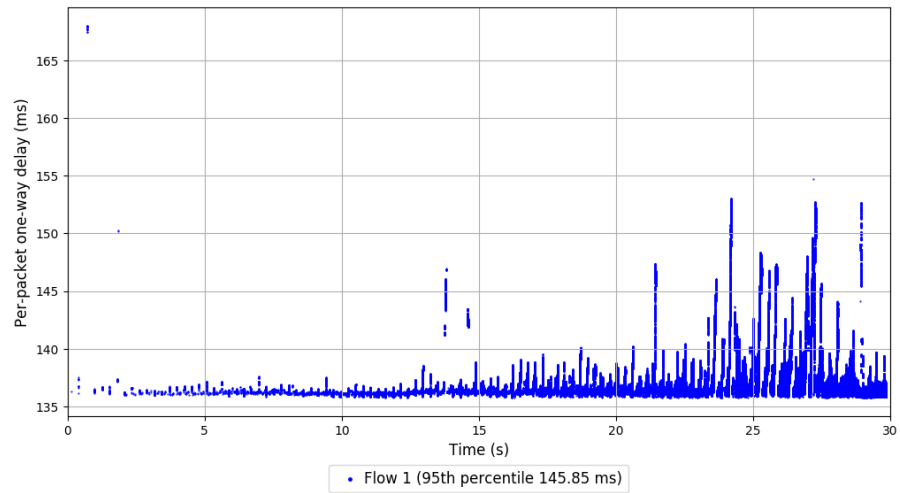
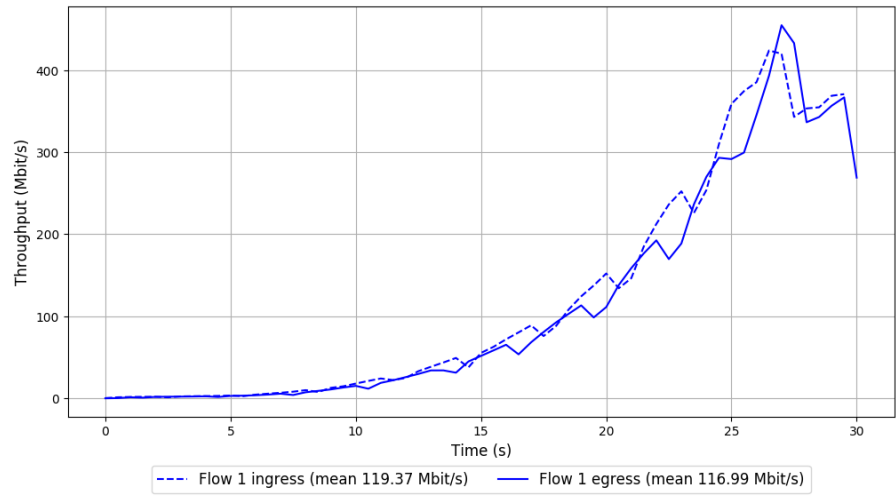


Run 8: Statistics of TCP Cubic

Start at: 2018-08-11 17:25:31
End at: 2018-08-11 17:26:01
Local clock offset: -0.672 ms
Remote clock offset: -0.203 ms

Below is generated by plot.py at 2018-08-11 19:03:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 116.99 Mbit/s
95th percentile per-packet one-way delay: 145.850 ms
Loss rate: 2.88%
-- Flow 1:
Average throughput: 116.99 Mbit/s
95th percentile per-packet one-way delay: 145.850 ms
Loss rate: 2.88%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-08-11 17:49:15

End at: 2018-08-11 17:49:45

Local clock offset: 0.194 ms

Remote clock offset: 0.259 ms

Below is generated by plot.py at 2018-08-11 19:03:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 100.96 Mbit/s

95th percentile per-packet one-way delay: 138.718 ms

Loss rate: 1.45%

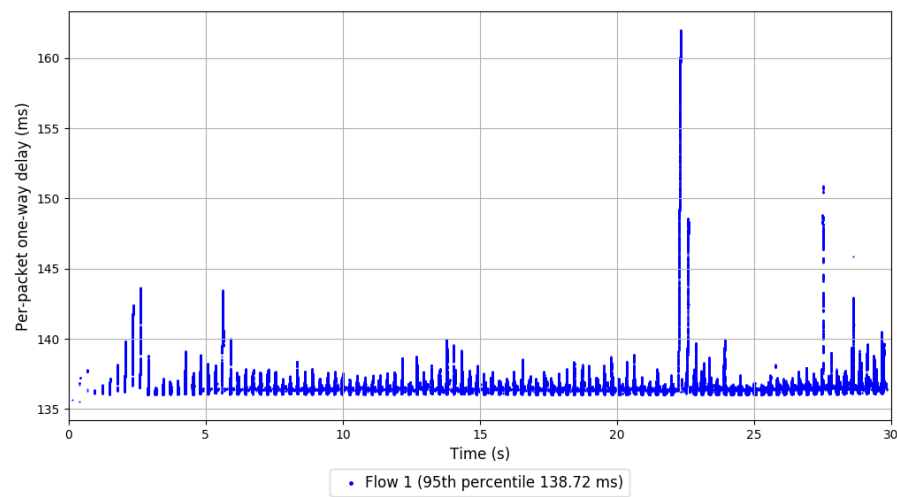
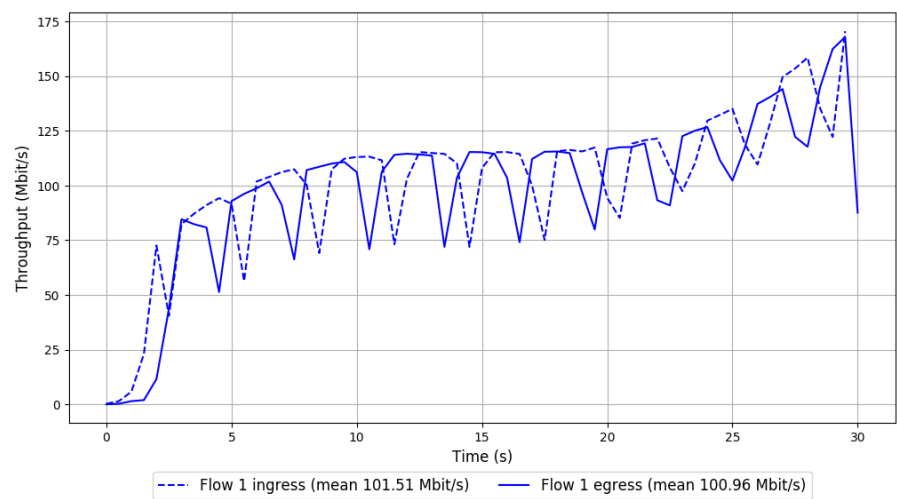
-- Flow 1:

Average throughput: 100.96 Mbit/s

95th percentile per-packet one-way delay: 138.718 ms

Loss rate: 1.45%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-11 18:12:37

End at: 2018-08-11 18:13:07

Local clock offset: 0.421 ms

Remote clock offset: -0.176 ms

Below is generated by plot.py at 2018-08-11 19:03:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 100.36 Mbit/s

95th percentile per-packet one-way delay: 139.145 ms

Loss rate: 1.46%

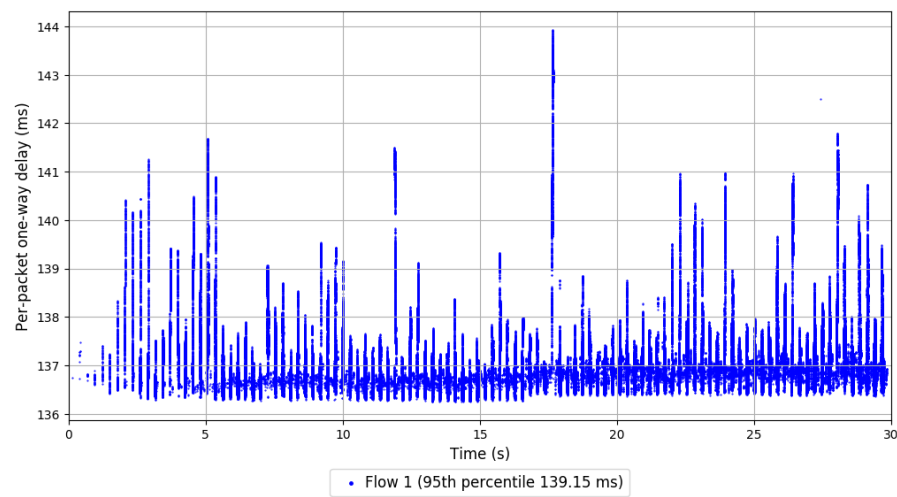
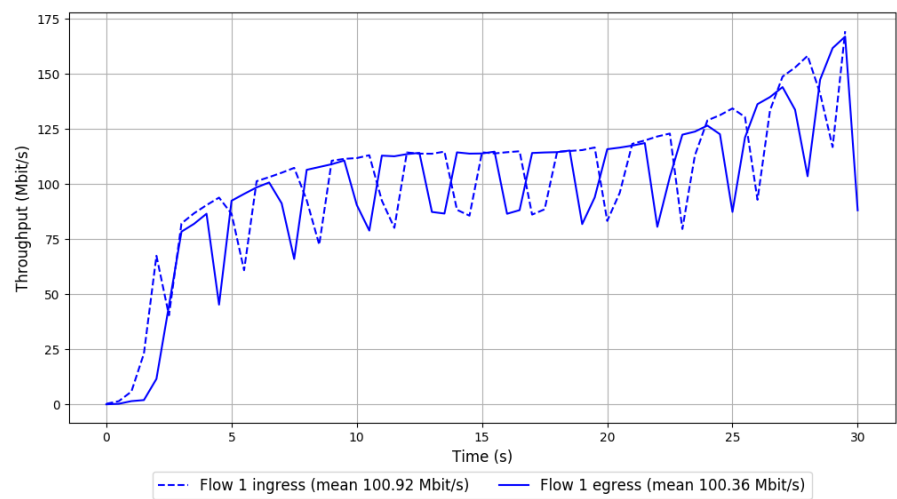
-- Flow 1:

Average throughput: 100.36 Mbit/s

95th percentile per-packet one-way delay: 139.145 ms

Loss rate: 1.46%

Run 10: Report of TCP Cubic — Data Link

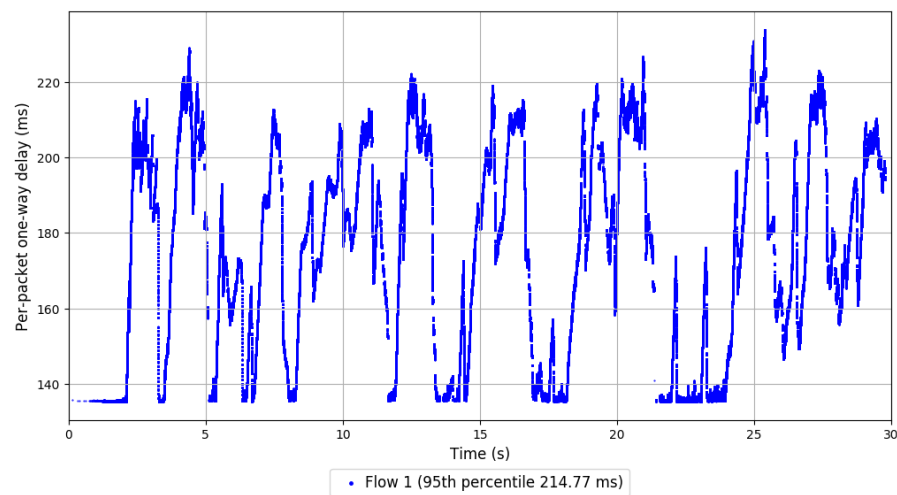
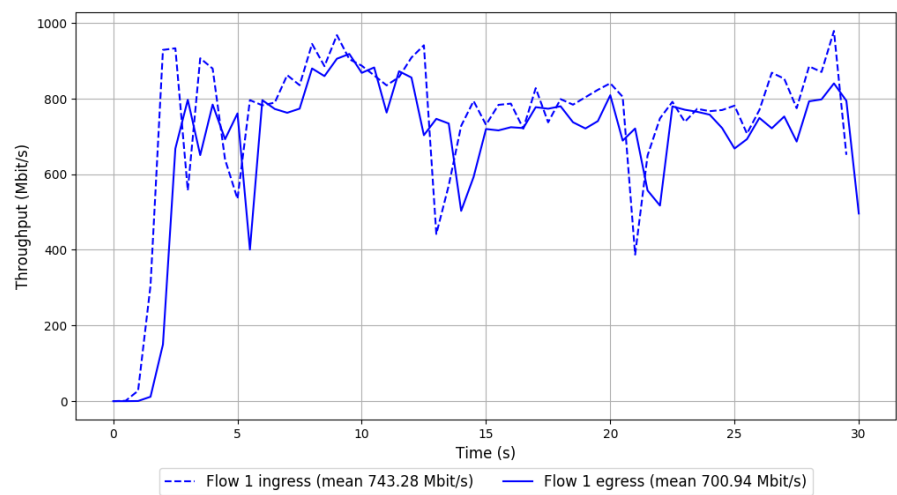


Run 1: Statistics of FillP

Start at: 2018-08-11 14:57:06
End at: 2018-08-11 14:57:36
Local clock offset: -0.376 ms
Remote clock offset: -0.164 ms

Below is generated by plot.py at 2018-08-11 19:15:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 700.94 Mbit/s
95th percentile per-packet one-way delay: 214.769 ms
Loss rate: 6.55%
-- Flow 1:
Average throughput: 700.94 Mbit/s
95th percentile per-packet one-way delay: 214.769 ms
Loss rate: 6.55%

Run 1: Report of FillP — Data Link

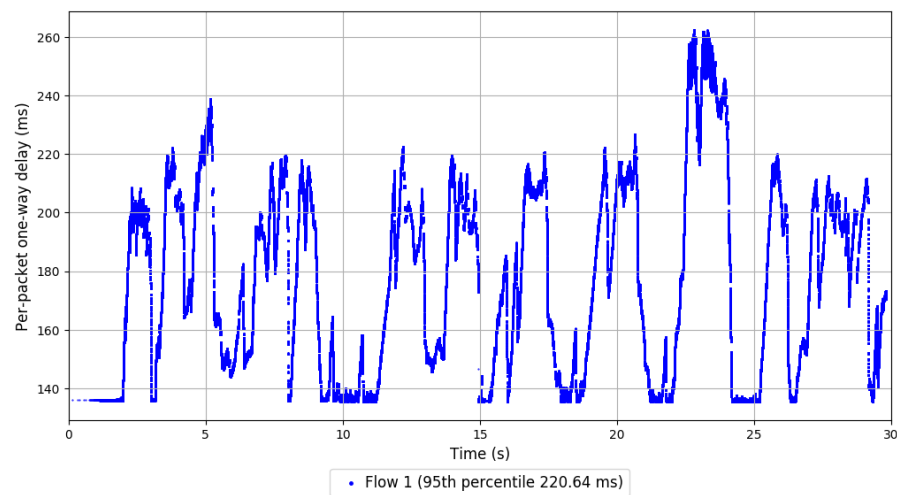
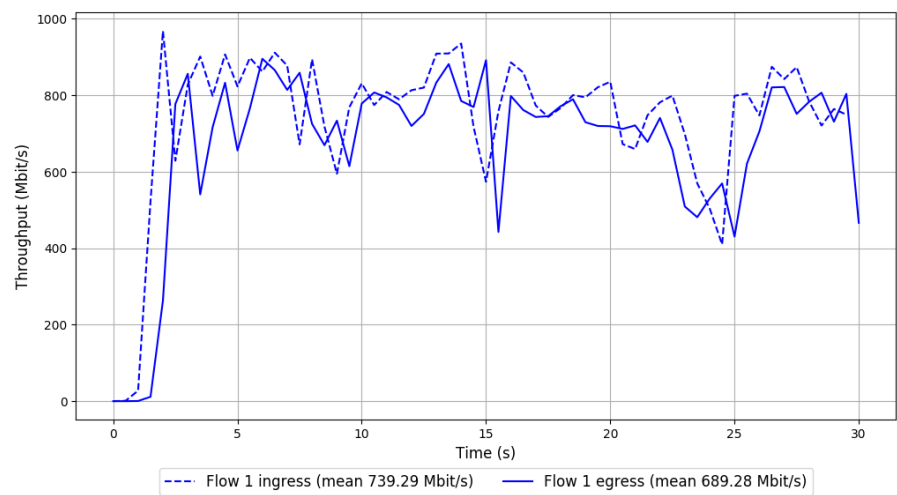


Run 2: Statistics of FillP

Start at: 2018-08-11 15:21:03
End at: 2018-08-11 15:21:34
Local clock offset: -0.667 ms
Remote clock offset: -0.193 ms

Below is generated by plot.py at 2018-08-11 19:15:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 689.28 Mbit/s
95th percentile per-packet one-way delay: 220.639 ms
Loss rate: 7.63%
-- Flow 1:
Average throughput: 689.28 Mbit/s
95th percentile per-packet one-way delay: 220.639 ms
Loss rate: 7.63%

Run 2: Report of FillP — Data Link

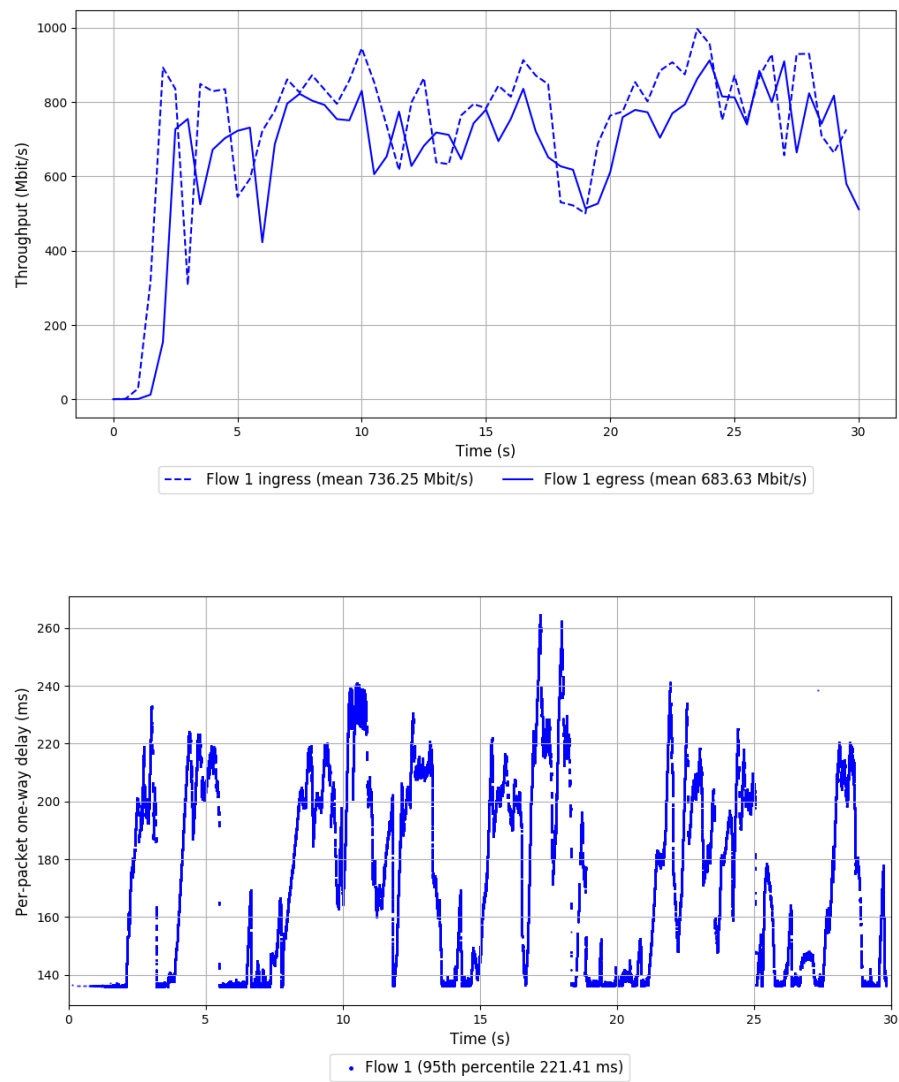


Run 3: Statistics of FillP

Start at: 2018-08-11 15:45:14
End at: 2018-08-11 15:45:45
Local clock offset: -0.541 ms
Remote clock offset: -0.266 ms

Below is generated by plot.py at 2018-08-11 19:15:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 683.63 Mbit/s
95th percentile per-packet one-way delay: 221.411 ms
Loss rate: 7.99%
-- Flow 1:
Average throughput: 683.63 Mbit/s
95th percentile per-packet one-way delay: 221.411 ms
Loss rate: 7.99%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-08-11 16:08:45

End at: 2018-08-11 16:09:15

Local clock offset: -0.468 ms

Remote clock offset: 0.257 ms

Below is generated by plot.py at 2018-08-11 19:17:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 785.84 Mbit/s

95th percentile per-packet one-way delay: 217.116 ms

Loss rate: 5.37%

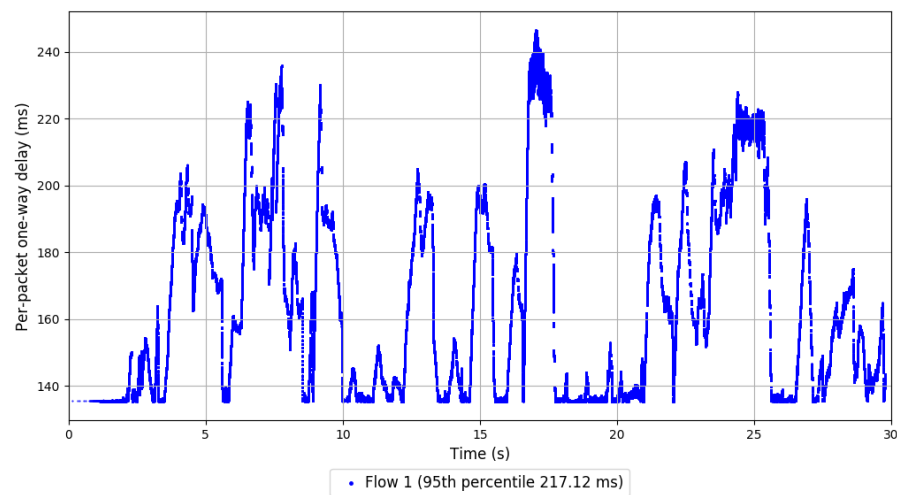
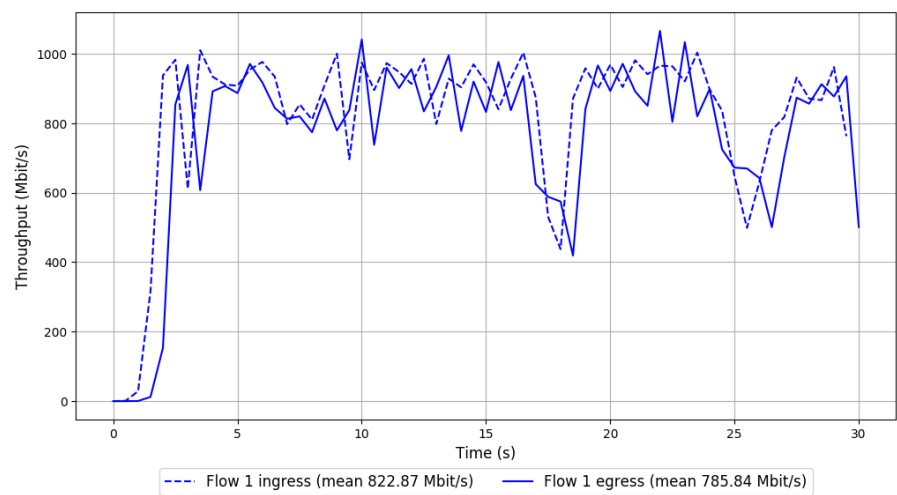
-- Flow 1:

Average throughput: 785.84 Mbit/s

95th percentile per-packet one-way delay: 217.116 ms

Loss rate: 5.37%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-08-11 16:32:39

End at: 2018-08-11 16:33:09

Local clock offset: -0.757 ms

Remote clock offset: 0.175 ms

Below is generated by plot.py at 2018-08-11 19:17:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 704.99 Mbit/s

95th percentile per-packet one-way delay: 222.473 ms

Loss rate: 7.54%

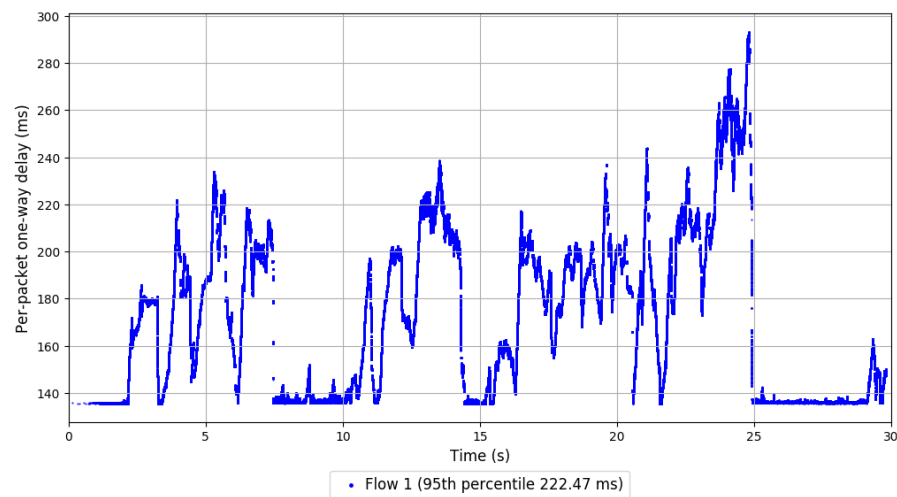
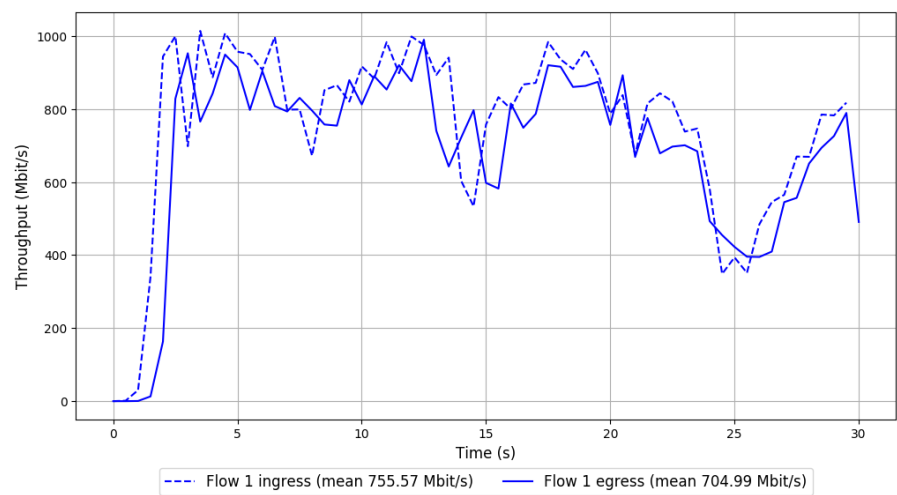
-- Flow 1:

Average throughput: 704.99 Mbit/s

95th percentile per-packet one-way delay: 222.473 ms

Loss rate: 7.54%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-08-11 16:56:22

End at: 2018-08-11 16:56:52

Local clock offset: -0.861 ms

Remote clock offset: -0.31 ms

Below is generated by plot.py at 2018-08-11 19:17:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 735.28 Mbit/s

95th percentile per-packet one-way delay: 219.147 ms

Loss rate: 7.45%

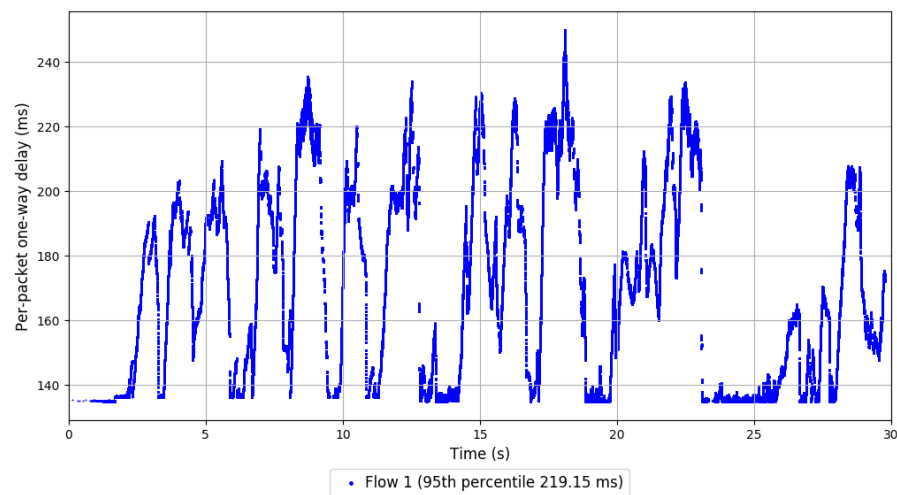
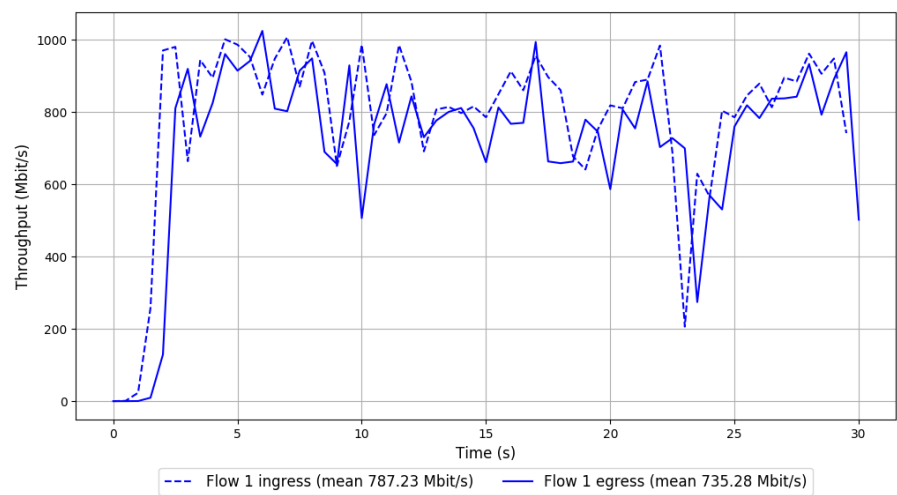
-- Flow 1:

Average throughput: 735.28 Mbit/s

95th percentile per-packet one-way delay: 219.147 ms

Loss rate: 7.45%

Run 6: Report of FillP — Data Link

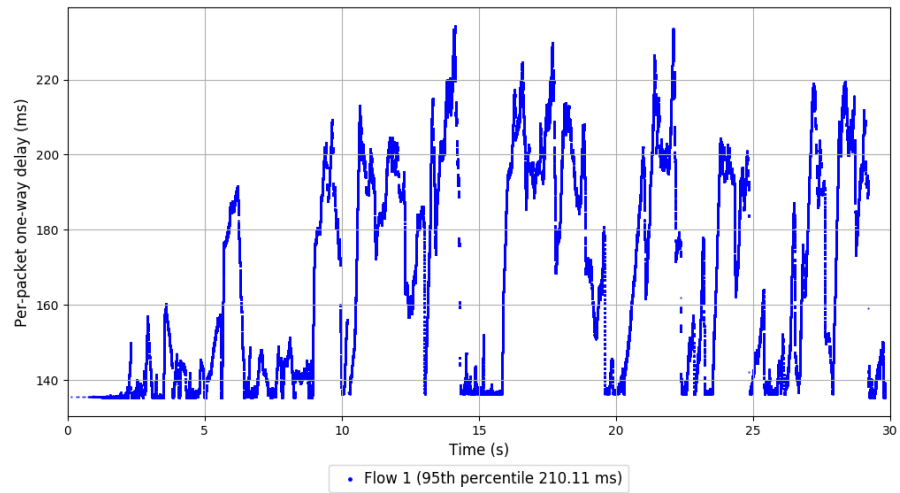
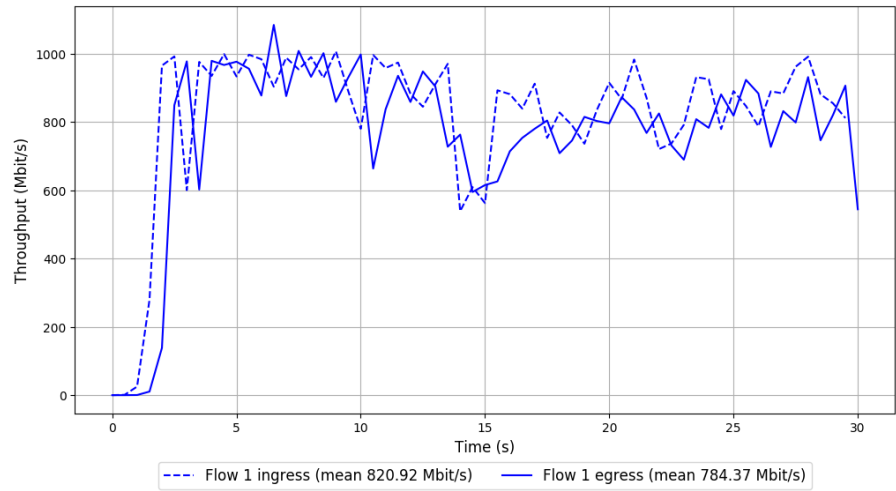


Run 7: Statistics of FillP

Start at: 2018-08-11 17:19:44
End at: 2018-08-11 17:20:14
Local clock offset: -0.838 ms
Remote clock offset: -0.235 ms

Below is generated by plot.py at 2018-08-11 19:18:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 784.37 Mbit/s
95th percentile per-packet one-way delay: 210.109 ms
Loss rate: 5.32%
-- Flow 1:
Average throughput: 784.37 Mbit/s
95th percentile per-packet one-way delay: 210.109 ms
Loss rate: 5.32%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-08-11 17:43:27

End at: 2018-08-11 17:43:57

Local clock offset: 0.324 ms

Remote clock offset: 0.219 ms

Below is generated by plot.py at 2018-08-11 19:19:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 797.88 Mbit/s

95th percentile per-packet one-way delay: 205.511 ms

Loss rate: 4.74%

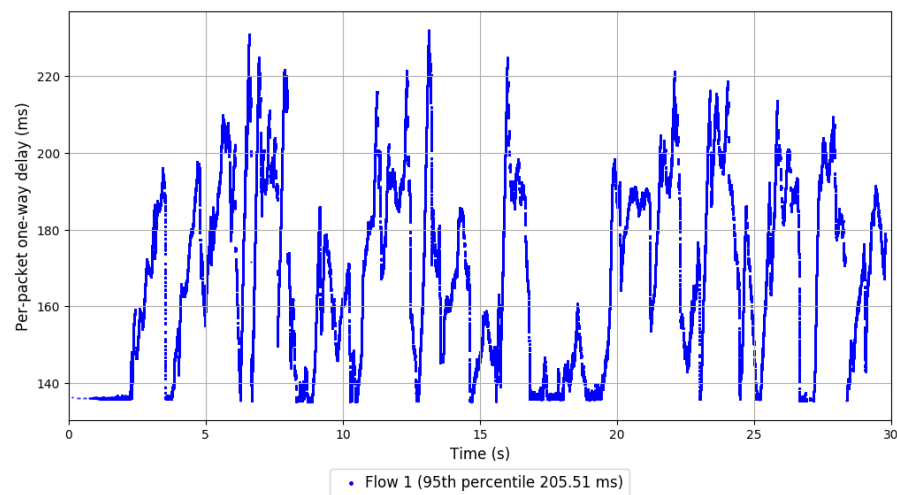
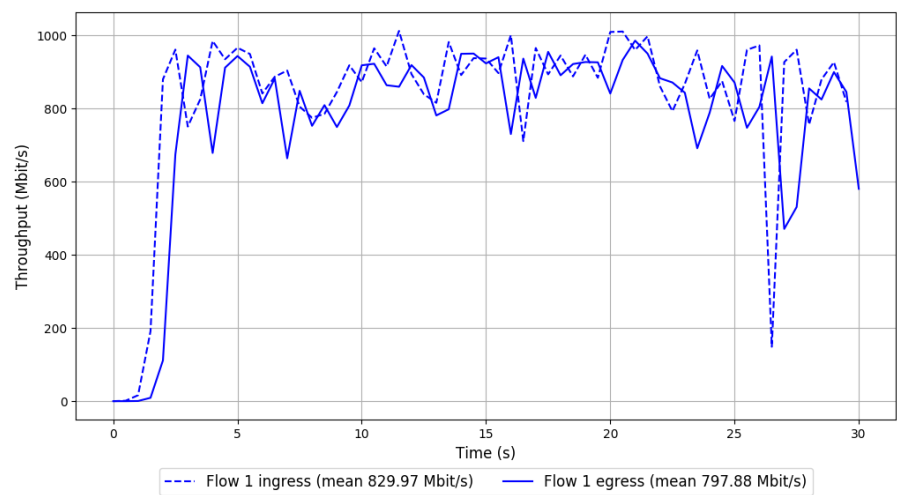
-- Flow 1:

Average throughput: 797.88 Mbit/s

95th percentile per-packet one-way delay: 205.511 ms

Loss rate: 4.74%

Run 8: Report of FillP — Data Link

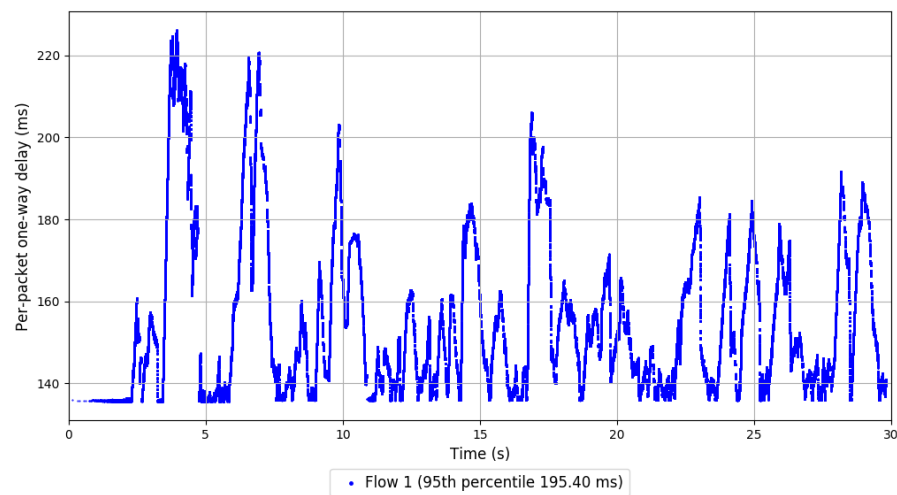
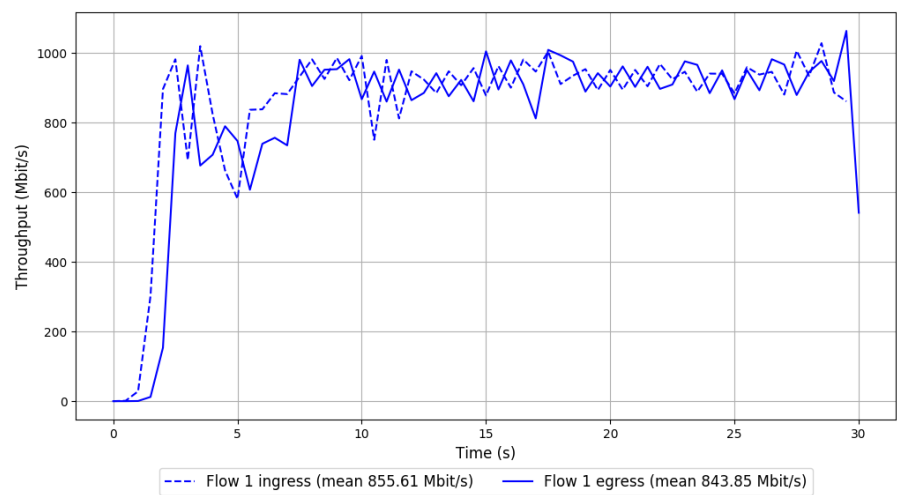


Run 9: Statistics of FillP

Start at: 2018-08-11 18:06:46
End at: 2018-08-11 18:07:16
Local clock offset: 0.536 ms
Remote clock offset: -0.211 ms

Below is generated by plot.py at 2018-08-11 19:32:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 843.85 Mbit/s
95th percentile per-packet one-way delay: 195.403 ms
Loss rate: 2.27%
-- Flow 1:
Average throughput: 843.85 Mbit/s
95th percentile per-packet one-way delay: 195.403 ms
Loss rate: 2.27%

Run 9: Report of FillP — Data Link

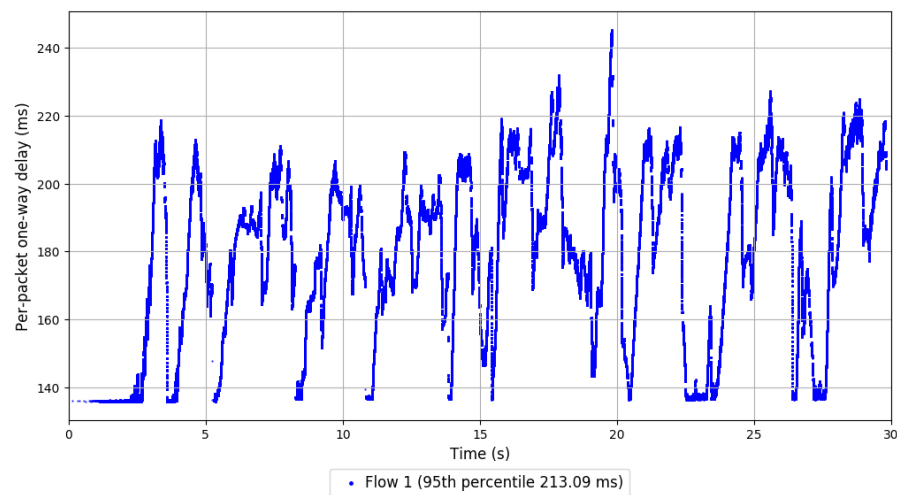
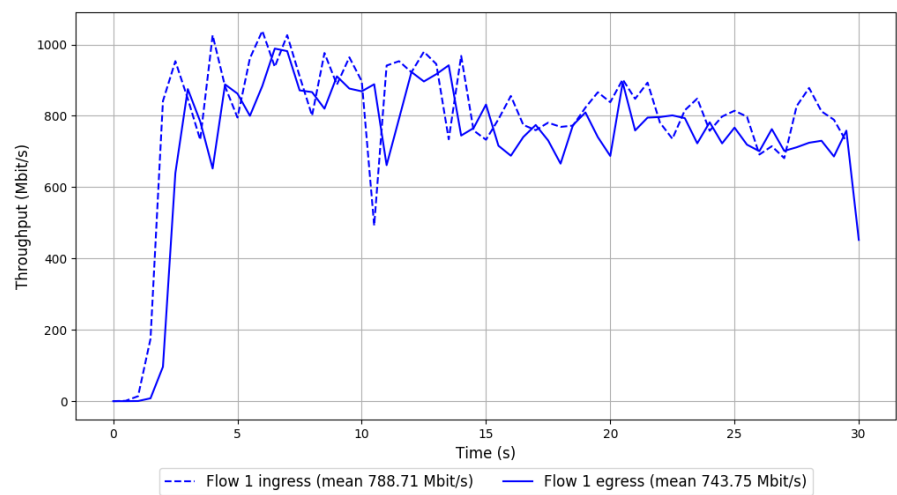


Run 10: Statistics of FillP

Start at: 2018-08-11 18:30:06
End at: 2018-08-11 18:30:36
Local clock offset: 0.87 ms
Remote clock offset: -0.285 ms

Below is generated by plot.py at 2018-08-11 19:32:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 743.75 Mbit/s
95th percentile per-packet one-way delay: 213.089 ms
Loss rate: 6.55%
-- Flow 1:
Average throughput: 743.75 Mbit/s
95th percentile per-packet one-way delay: 213.089 ms
Loss rate: 6.55%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-08-11 14:37:44

End at: 2018-08-11 14:38:14

Local clock offset: -0.442 ms

Remote clock offset: -0.264 ms

Below is generated by plot.py at 2018-08-11 19:32:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 743.64 Mbit/s

95th percentile per-packet one-way delay: 206.947 ms

Loss rate: 5.68%

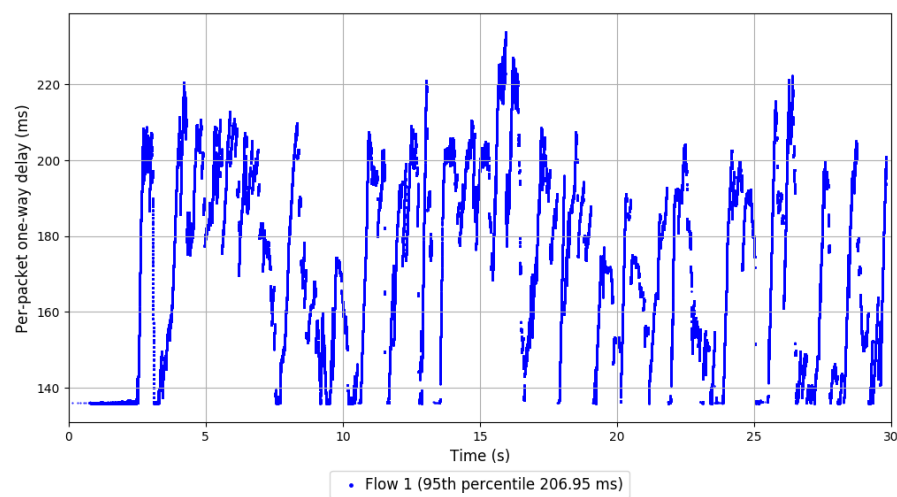
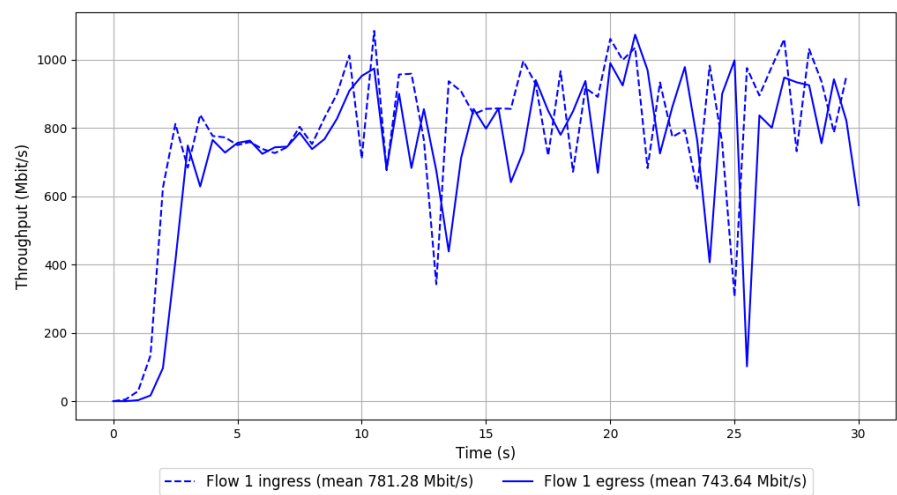
-- Flow 1:

Average throughput: 743.64 Mbit/s

95th percentile per-packet one-way delay: 206.947 ms

Loss rate: 5.68%

Run 1: Report of FillP-Sheep — Data Link

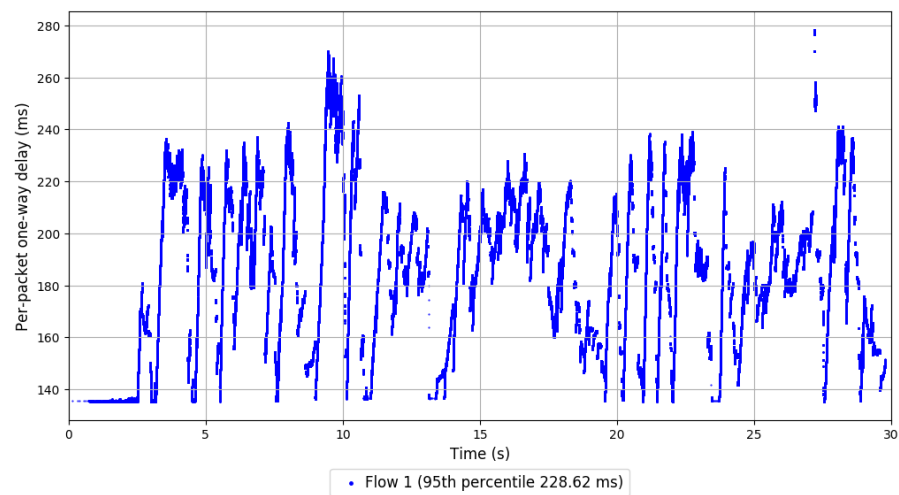
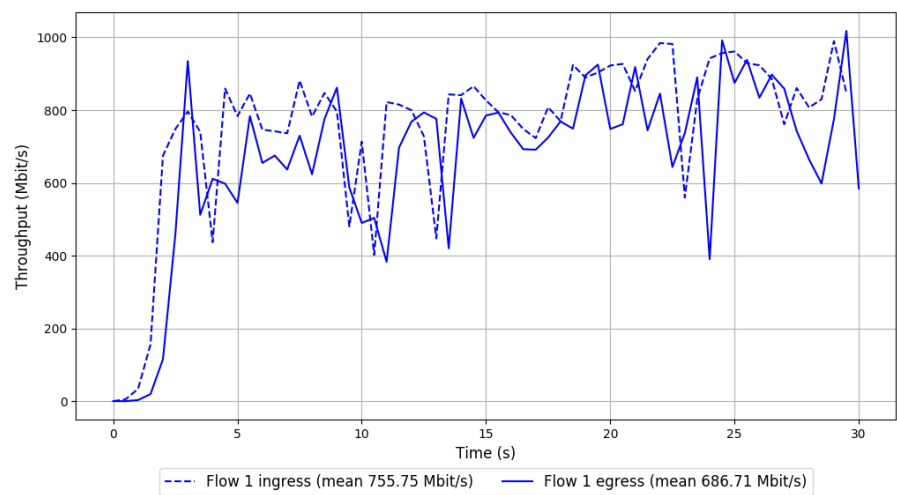


Run 2: Statistics of FillP-Sheep

Start at: 2018-08-11 15:01:05
End at: 2018-08-11 15:01:35
Local clock offset: -0.375 ms
Remote clock offset: -0.476 ms

Below is generated by plot.py at 2018-08-11 19:32:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 686.71 Mbit/s
95th percentile per-packet one-way delay: 228.616 ms
Loss rate: 9.96%
-- Flow 1:
Average throughput: 686.71 Mbit/s
95th percentile per-packet one-way delay: 228.616 ms
Loss rate: 9.96%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-08-11 15:25:12

End at: 2018-08-11 15:25:42

Local clock offset: -0.415 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-08-11 19:32:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 663.66 Mbit/s

95th percentile per-packet one-way delay: 240.408 ms

Loss rate: 10.87%

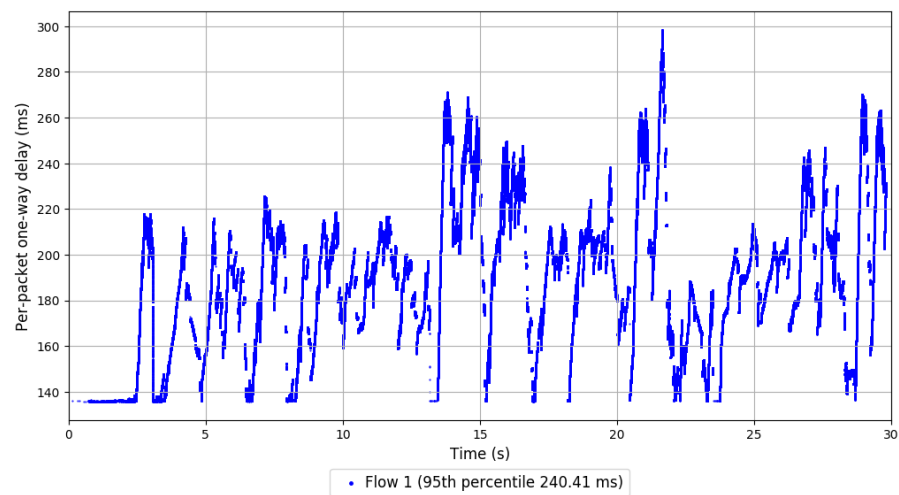
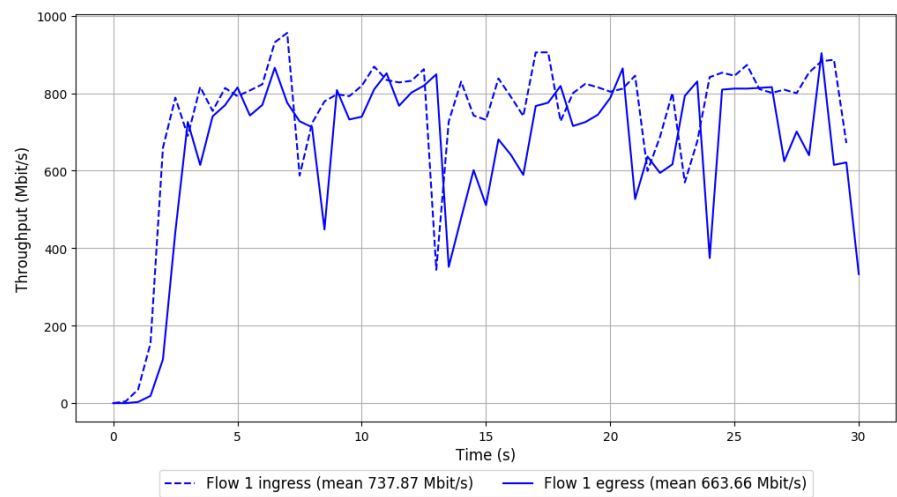
-- Flow 1:

Average throughput: 663.66 Mbit/s

95th percentile per-packet one-way delay: 240.408 ms

Loss rate: 10.87%

Run 3: Report of FillP-Sheep — Data Link

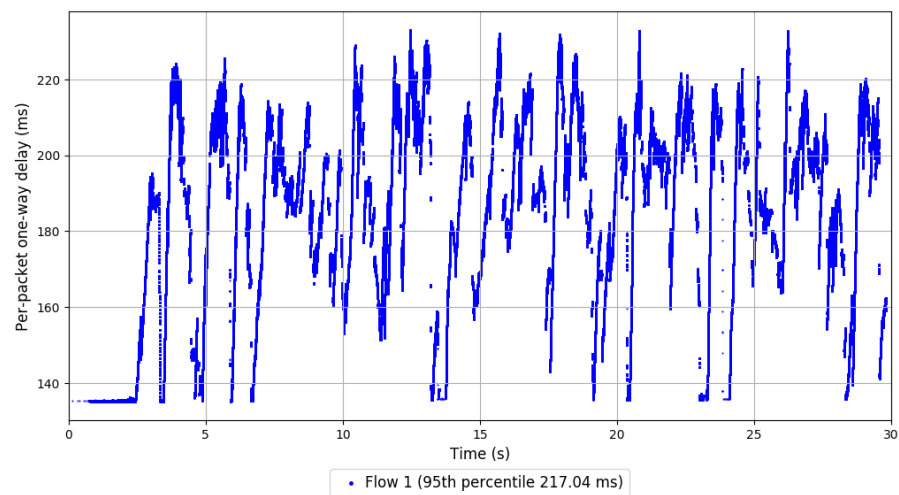
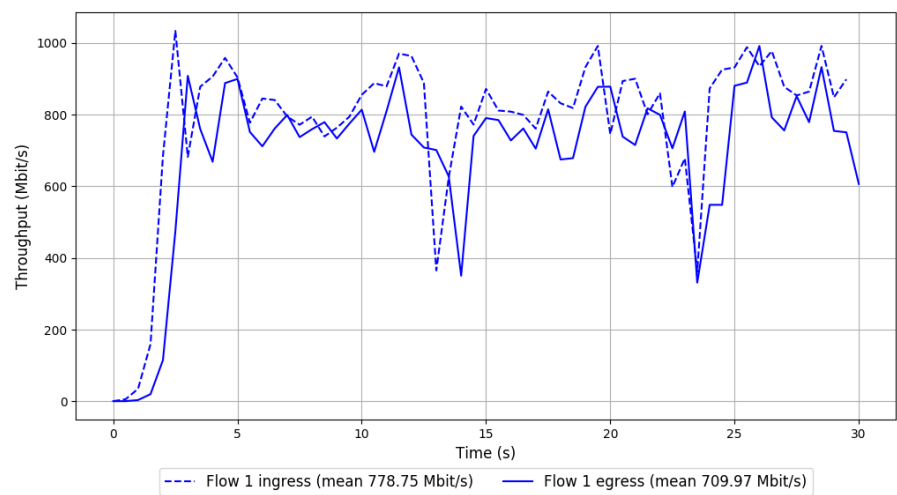


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-11 15:49:14
End at: 2018-08-11 15:49:44
Local clock offset: -0.673 ms
Remote clock offset: -0.229 ms

Below is generated by plot.py at 2018-08-11 19:32:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 709.97 Mbit/s
95th percentile per-packet one-way delay: 217.042 ms
Loss rate: 9.66%
-- Flow 1:
Average throughput: 709.97 Mbit/s
95th percentile per-packet one-way delay: 217.042 ms
Loss rate: 9.66%

Run 4: Report of FillP-Sheep — Data Link

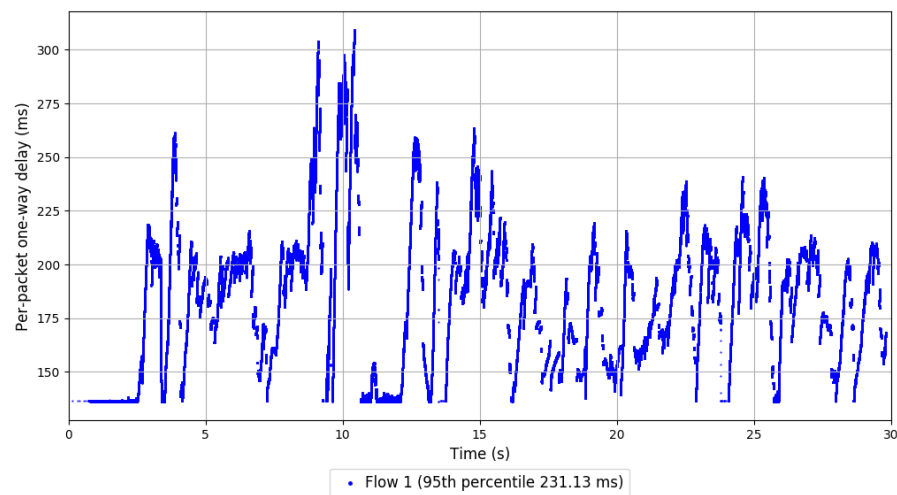
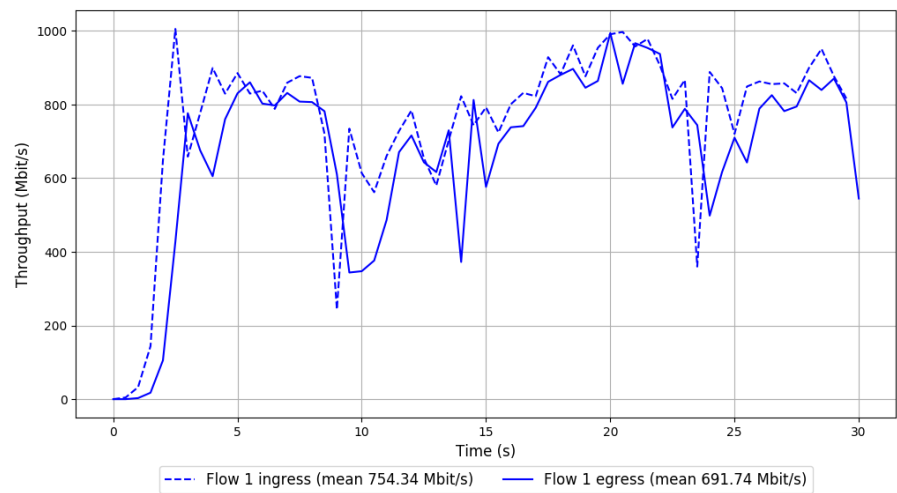


Run 5: Statistics of FillP-Sheep

Start at: 2018-08-11 16:12:49
End at: 2018-08-11 16:13:19
Local clock offset: -0.731 ms
Remote clock offset: -0.155 ms

Below is generated by plot.py at 2018-08-11 19:32:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 691.74 Mbit/s
95th percentile per-packet one-way delay: 231.127 ms
Loss rate: 9.14%
-- Flow 1:
Average throughput: 691.74 Mbit/s
95th percentile per-packet one-way delay: 231.127 ms
Loss rate: 9.14%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-08-11 16:36:39

End at: 2018-08-11 16:37:09

Local clock offset: -0.901 ms

Remote clock offset: 0.169 ms

Below is generated by plot.py at 2018-08-11 19:34:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 639.10 Mbit/s

95th percentile per-packet one-way delay: 230.028 ms

Loss rate: 10.25%

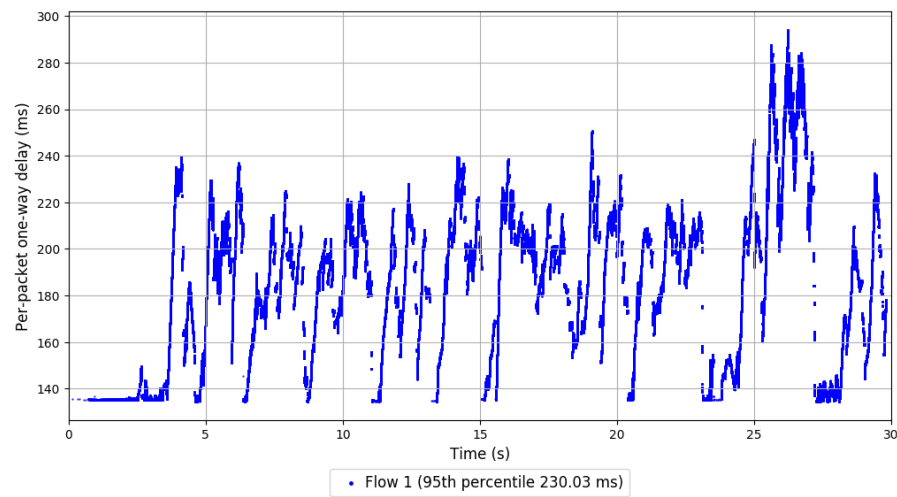
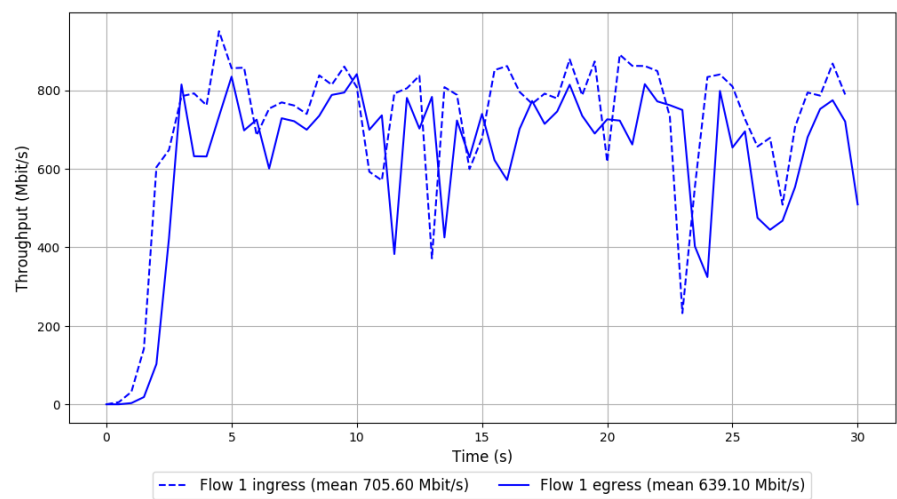
-- Flow 1:

Average throughput: 639.10 Mbit/s

95th percentile per-packet one-way delay: 230.028 ms

Loss rate: 10.25%

Run 6: Report of FillP-Sheep — Data Link

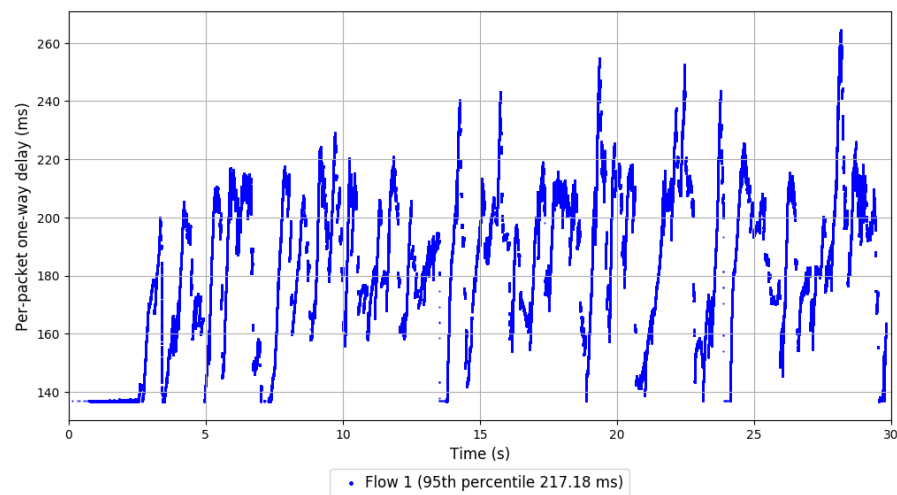
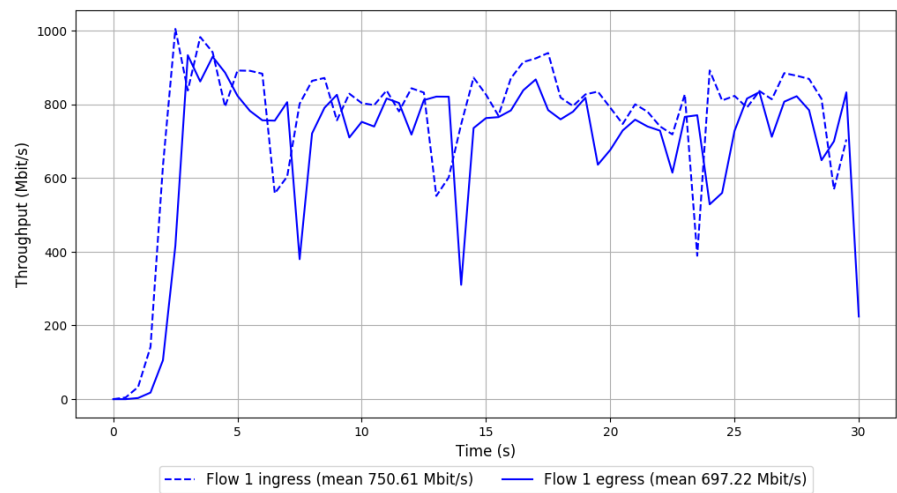


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-11 17:00:24
End at: 2018-08-11 17:00:54
Local clock offset: -0.627 ms
Remote clock offset: -0.211 ms

Below is generated by plot.py at 2018-08-11 19:44:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 697.22 Mbit/s
95th percentile per-packet one-way delay: 217.181 ms
Loss rate: 7.96%
-- Flow 1:
Average throughput: 697.22 Mbit/s
95th percentile per-packet one-way delay: 217.181 ms
Loss rate: 7.96%

Run 7: Report of FillP-Sheep — Data Link

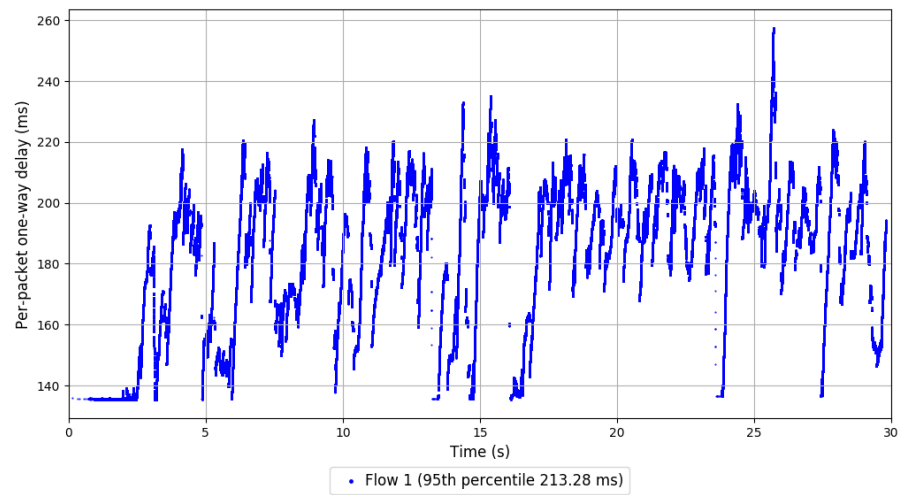
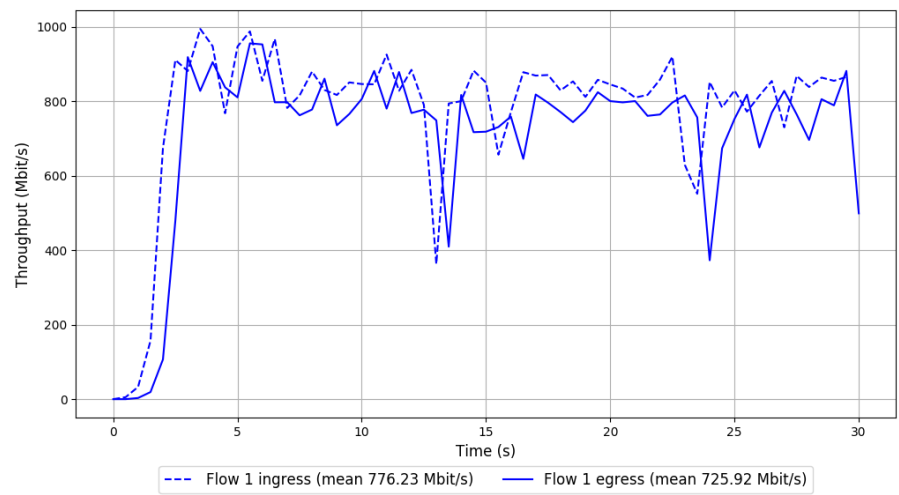


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-11 17:23:47
End at: 2018-08-11 17:24:17
Local clock offset: -0.743 ms
Remote clock offset: -0.233 ms

Below is generated by plot.py at 2018-08-11 19:44:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 725.92 Mbit/s
95th percentile per-packet one-way delay: 213.276 ms
Loss rate: 7.32%
-- Flow 1:
Average throughput: 725.92 Mbit/s
95th percentile per-packet one-way delay: 213.276 ms
Loss rate: 7.32%

Run 8: Report of FillP-Sheep — Data Link

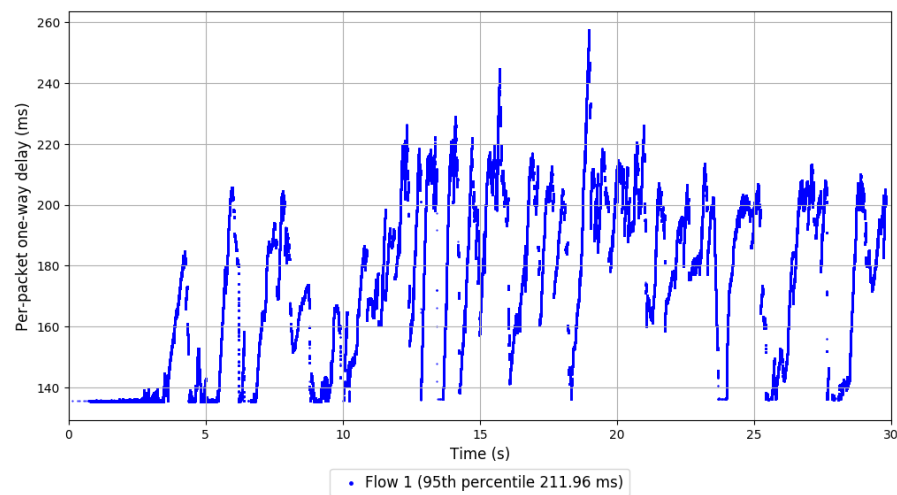
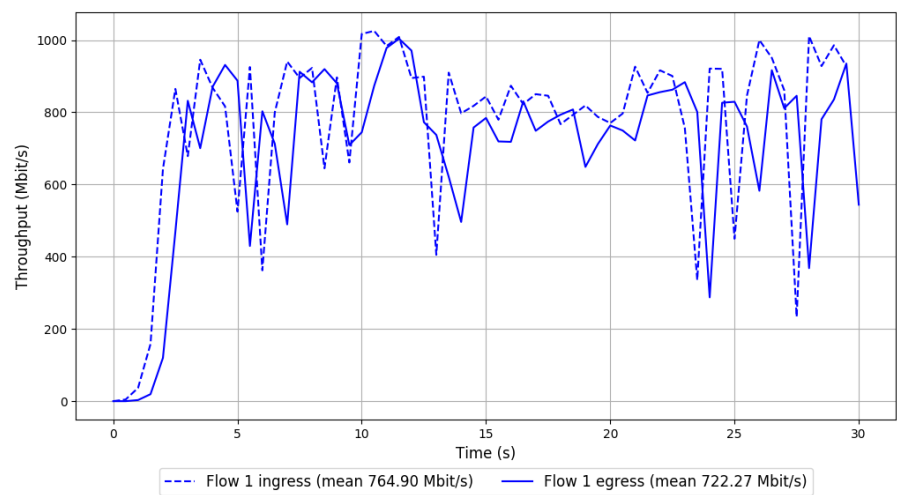


Run 9: Statistics of FillP-Sheep

Start at: 2018-08-11 17:47:31
End at: 2018-08-11 17:48:01
Local clock offset: 0.315 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-08-11 19:44:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 722.27 Mbit/s
95th percentile per-packet one-way delay: 211.958 ms
Loss rate: 6.43%
-- Flow 1:
Average throughput: 722.27 Mbit/s
95th percentile per-packet one-way delay: 211.958 ms
Loss rate: 6.43%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-08-11 18:10:51

End at: 2018-08-11 18:11:21

Local clock offset: 0.298 ms

Remote clock offset: 0.138 ms

Below is generated by plot.py at 2018-08-11 19:47:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 740.37 Mbit/s

95th percentile per-packet one-way delay: 210.472 ms

Loss rate: 5.76%

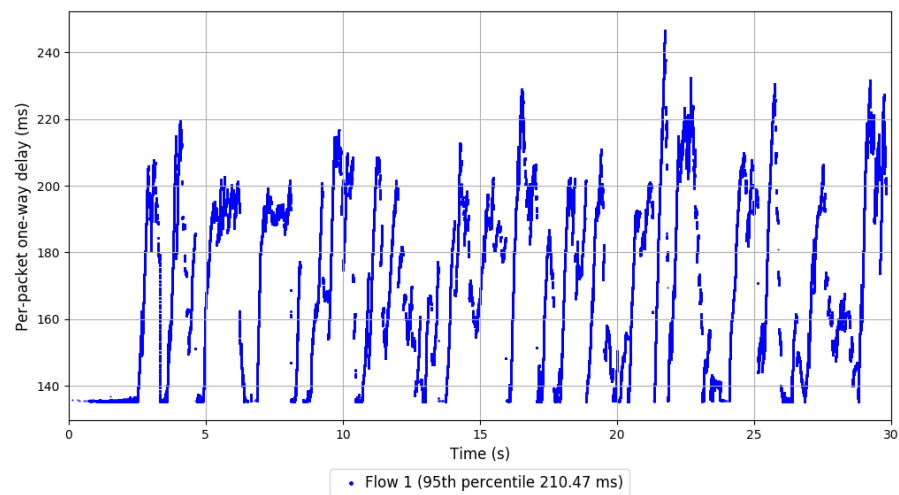
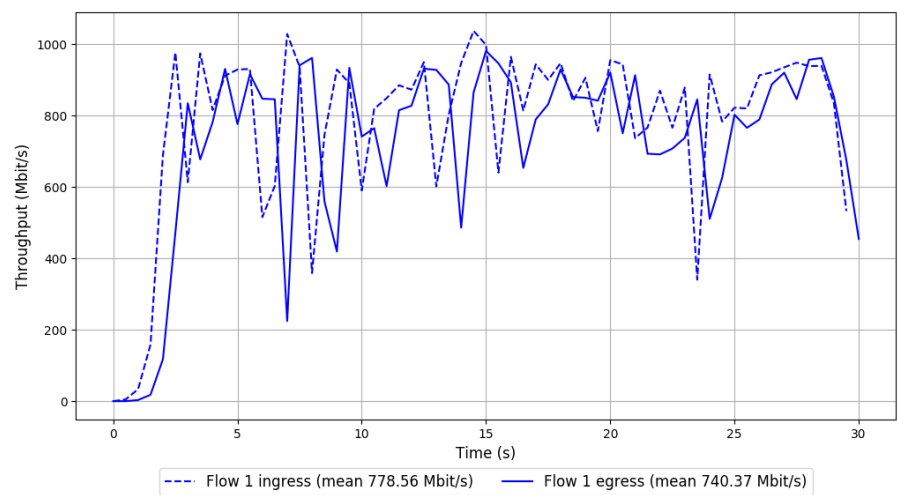
-- Flow 1:

Average throughput: 740.37 Mbit/s

95th percentile per-packet one-way delay: 210.472 ms

Loss rate: 5.76%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-08-11 14:53:23

End at: 2018-08-11 14:53:53

Local clock offset: -0.508 ms

Remote clock offset: 0.15 ms

Below is generated by plot.py at 2018-08-11 19:47:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 173.44 Mbit/s

95th percentile per-packet one-way delay: 135.552 ms

Loss rate: 0.92%

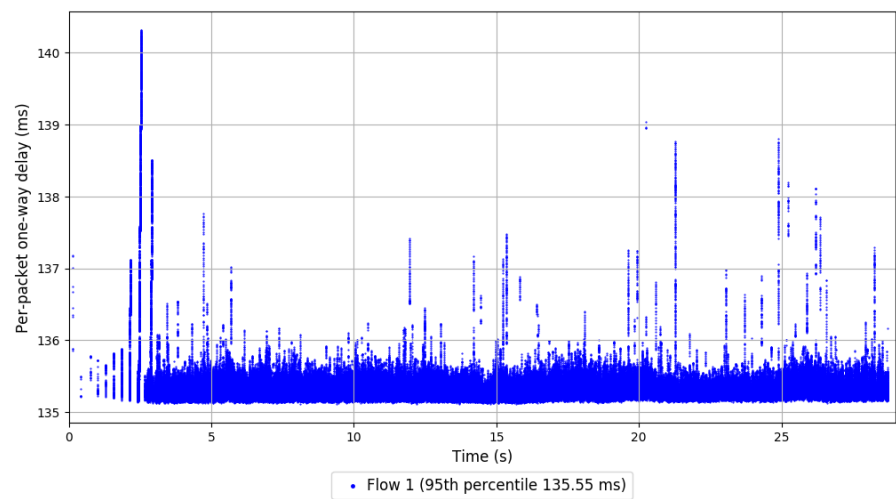
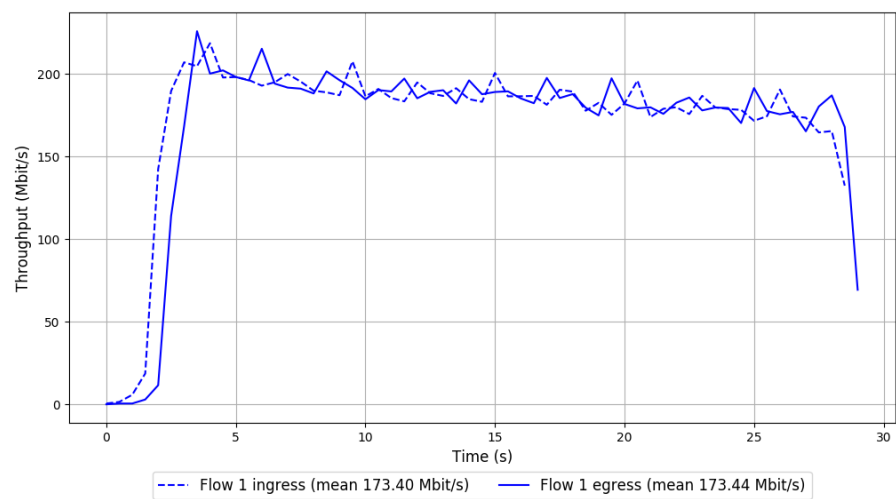
-- Flow 1:

Average throughput: 173.44 Mbit/s

95th percentile per-packet one-way delay: 135.552 ms

Loss rate: 0.92%

Run 1: Report of Indigo — Data Link

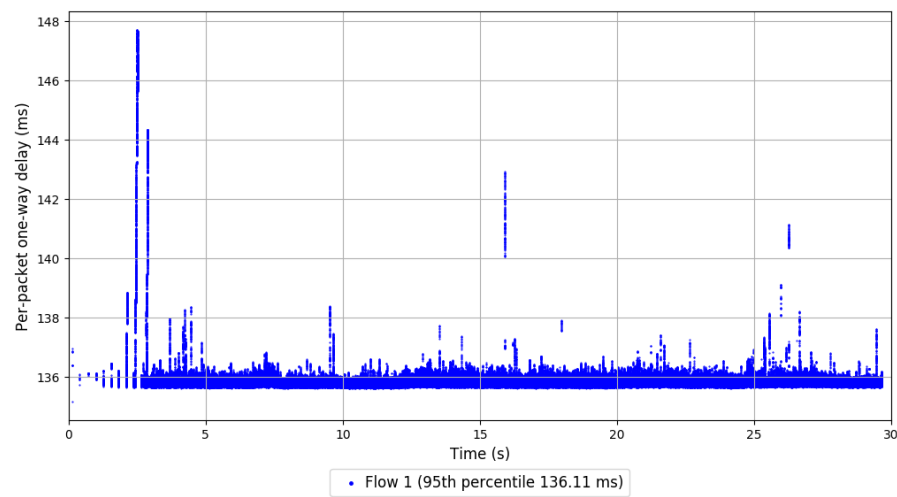
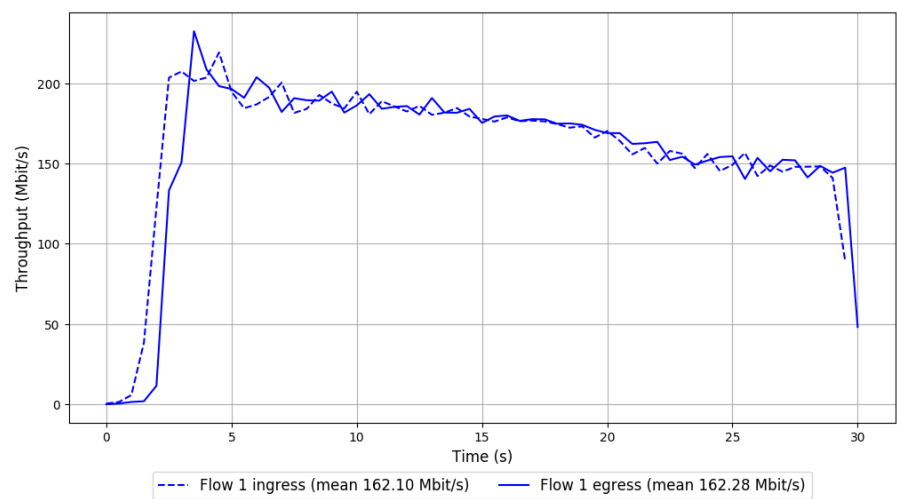


Run 2: Statistics of Indigo

Start at: 2018-08-11 15:17:18
End at: 2018-08-11 15:17:48
Local clock offset: -0.414 ms
Remote clock offset: -0.216 ms

Below is generated by plot.py at 2018-08-11 19:47:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 162.28 Mbit/s
95th percentile per-packet one-way delay: 136.109 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 162.28 Mbit/s
95th percentile per-packet one-way delay: 136.109 ms
Loss rate: 0.80%

Run 2: Report of Indigo — Data Link

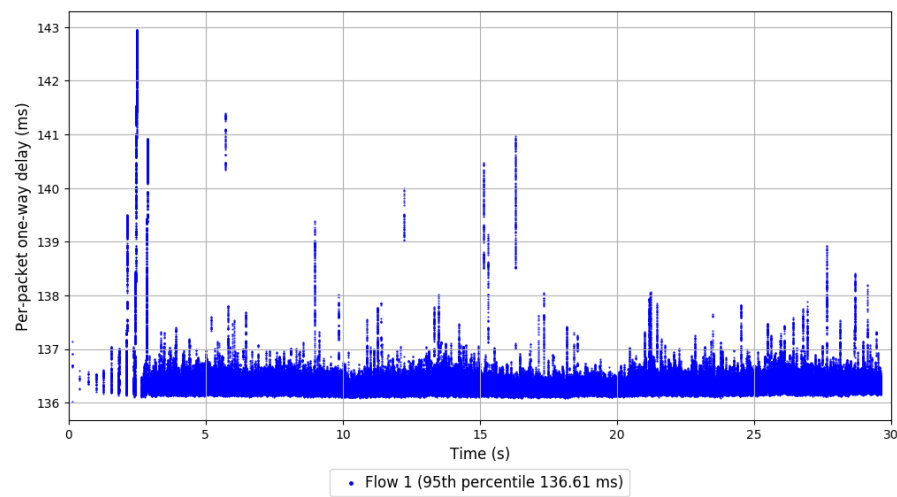
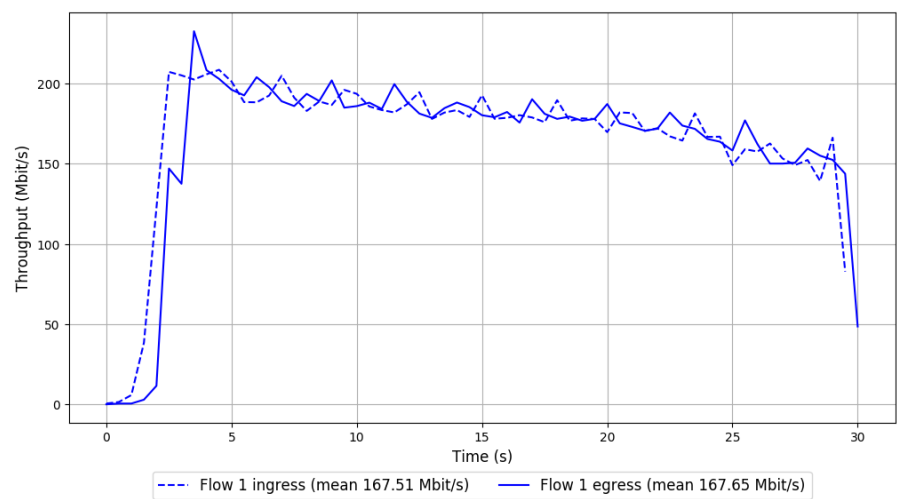


Run 3: Statistics of Indigo

Start at: 2018-08-11 15:41:35
End at: 2018-08-11 15:42:05
Local clock offset: -0.365 ms
Remote clock offset: -0.614 ms

Below is generated by plot.py at 2018-08-11 19:47:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 167.65 Mbit/s
95th percentile per-packet one-way delay: 136.611 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 167.65 Mbit/s
95th percentile per-packet one-way delay: 136.611 ms
Loss rate: 0.83%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-08-11 16:05:02

End at: 2018-08-11 16:05:33

Local clock offset: -0.429 ms

Remote clock offset: 0.247 ms

Below is generated by plot.py at 2018-08-11 19:47:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 160.28 Mbit/s

95th percentile per-packet one-way delay: 136.775 ms

Loss rate: 0.84%

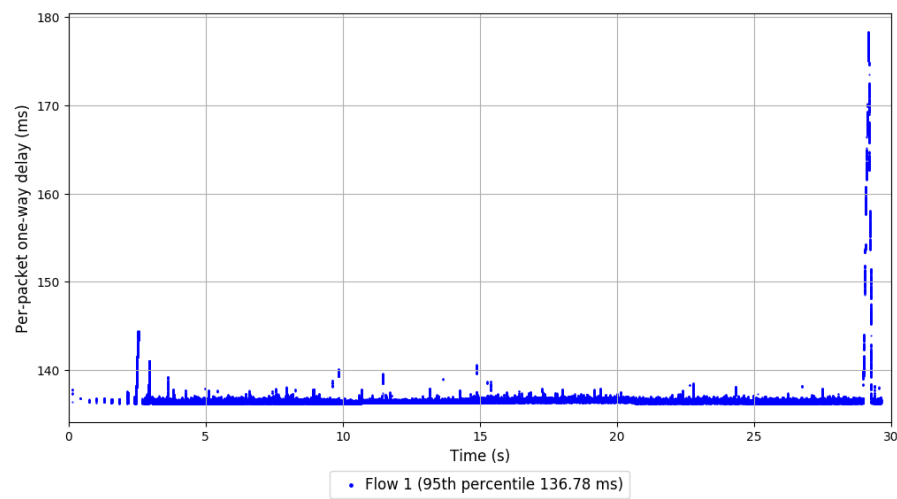
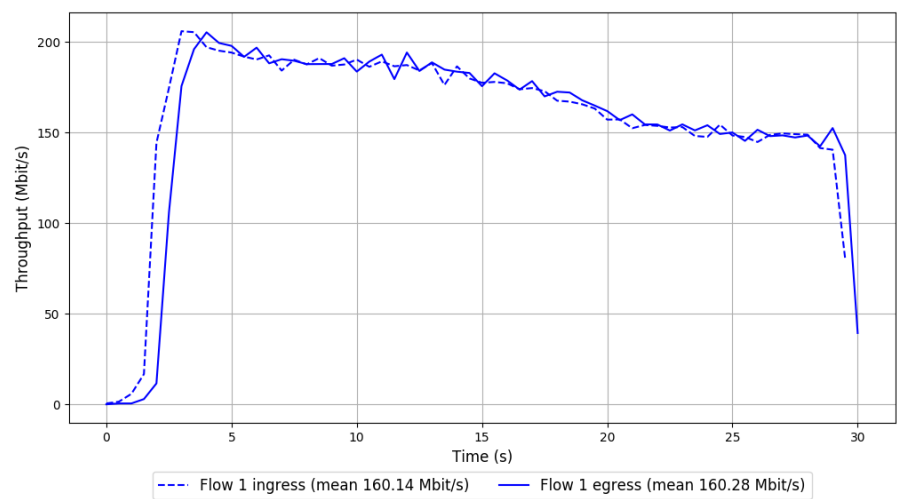
-- Flow 1:

Average throughput: 160.28 Mbit/s

95th percentile per-packet one-way delay: 136.775 ms

Loss rate: 0.84%

Run 4: Report of Indigo — Data Link

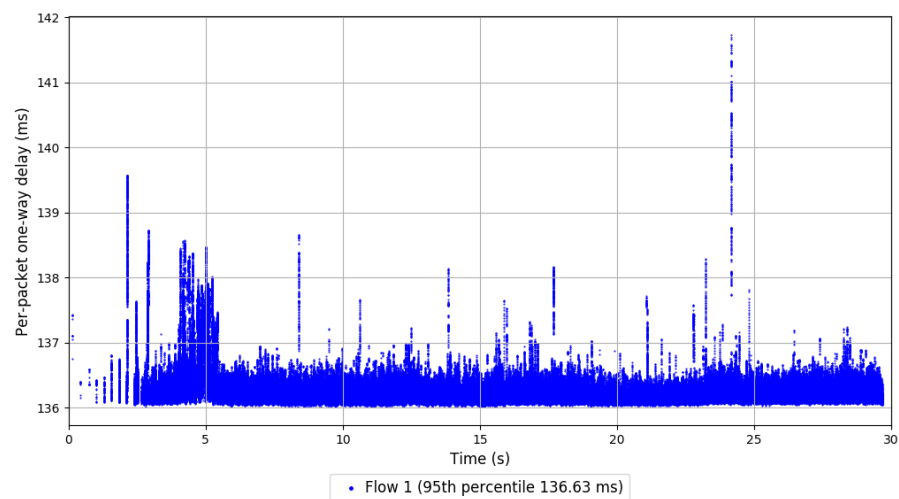
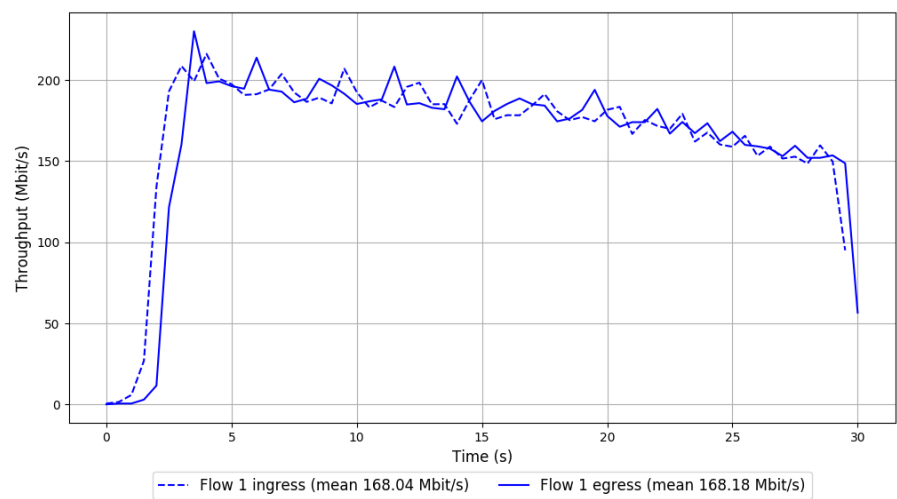


Run 5: Statistics of Indigo

Start at: 2018-08-11 16:28:57
End at: 2018-08-11 16:29:27
Local clock offset: -0.586 ms
Remote clock offset: -0.538 ms

Below is generated by plot.py at 2018-08-11 19:47:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 168.18 Mbit/s
95th percentile per-packet one-way delay: 136.627 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 168.18 Mbit/s
95th percentile per-packet one-way delay: 136.627 ms
Loss rate: 0.82%

Run 5: Report of Indigo — Data Link

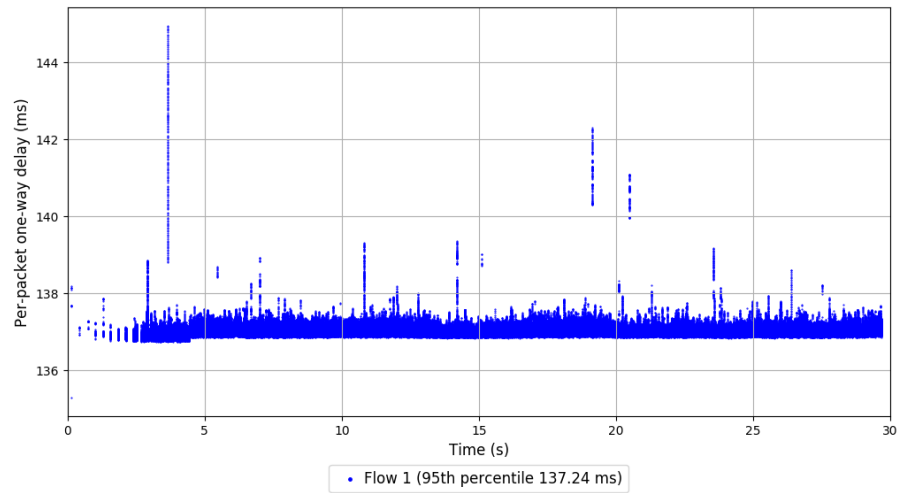
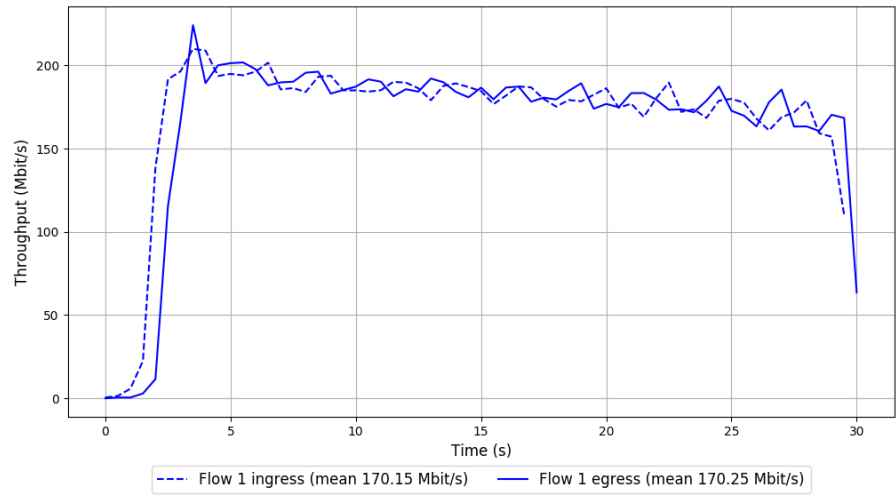


Run 6: Statistics of Indigo

Start at: 2018-08-11 16:52:39
End at: 2018-08-11 16:53:09
Local clock offset: -0.719 ms
Remote clock offset: -0.557 ms

Below is generated by plot.py at 2018-08-11 19:47:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 170.25 Mbit/s
95th percentile per-packet one-way delay: 137.236 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 170.25 Mbit/s
95th percentile per-packet one-way delay: 137.236 ms
Loss rate: 0.86%

Run 6: Report of Indigo — Data Link

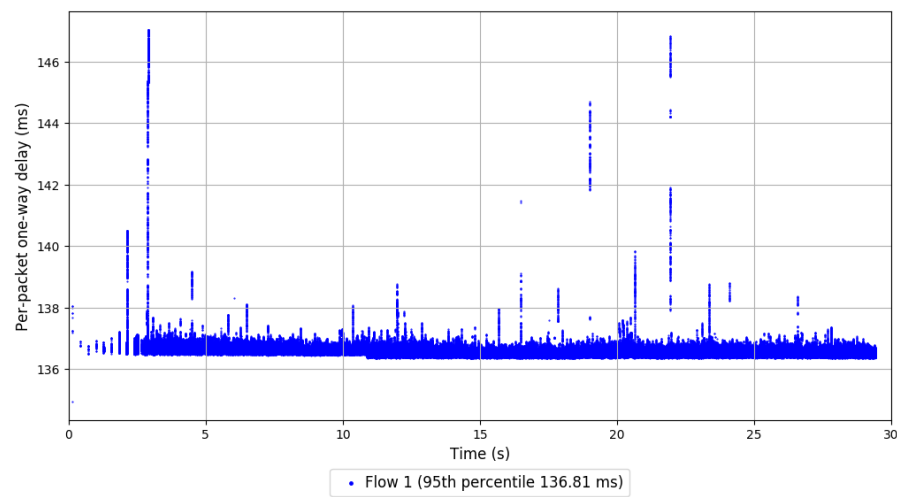
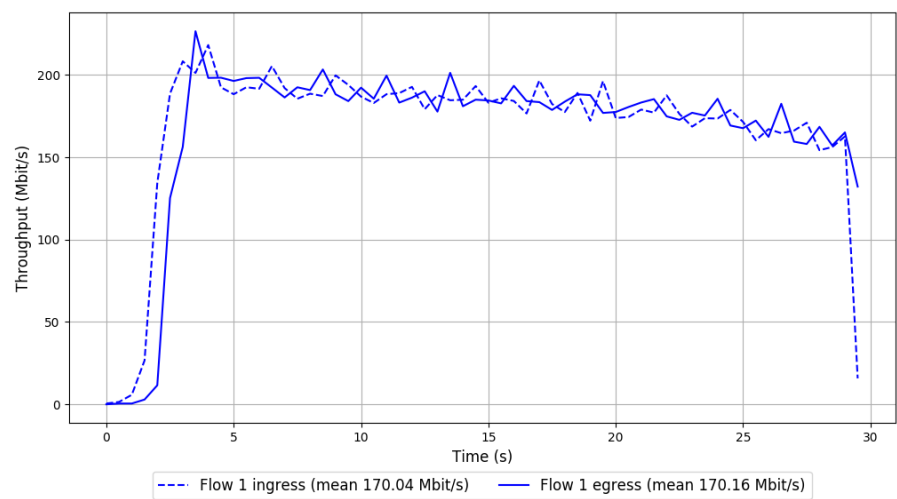


Run 7: Statistics of Indigo

Start at: 2018-08-11 17:16:02
End at: 2018-08-11 17:16:32
Local clock offset: -0.854 ms
Remote clock offset: -0.232 ms

Below is generated by plot.py at 2018-08-11 19:47:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 170.16 Mbit/s
95th percentile per-packet one-way delay: 136.808 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 170.16 Mbit/s
95th percentile per-packet one-way delay: 136.808 ms
Loss rate: 0.85%

Run 7: Report of Indigo — Data Link

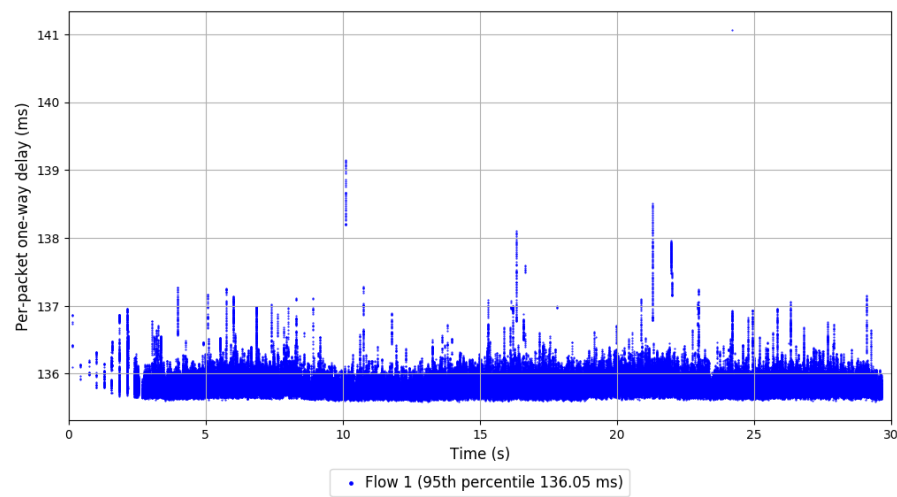
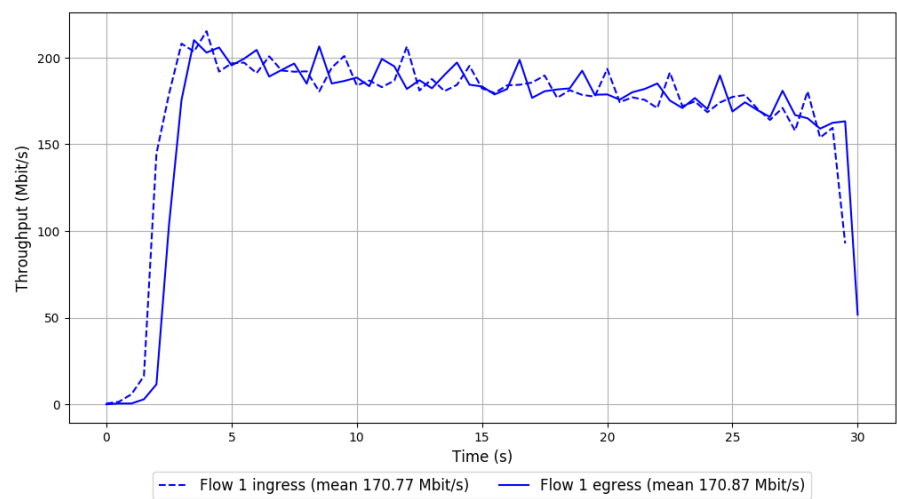


Run 8: Statistics of Indigo

Start at: 2018-08-11 17:39:44
End at: 2018-08-11 17:40:14
Local clock offset: 0.02 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2018-08-11 19:47:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 170.87 Mbit/s
95th percentile per-packet one-way delay: 136.049 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 170.87 Mbit/s
95th percentile per-packet one-way delay: 136.049 ms
Loss rate: 0.86%

Run 8: Report of Indigo — Data Link

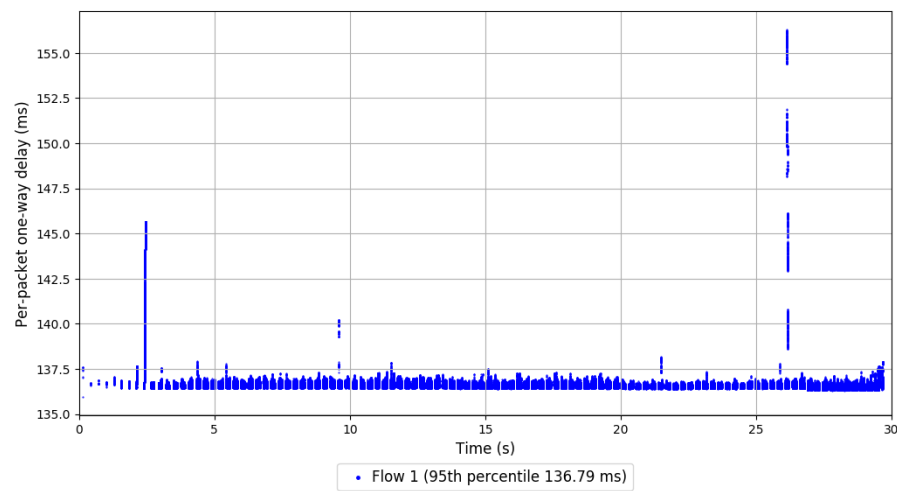
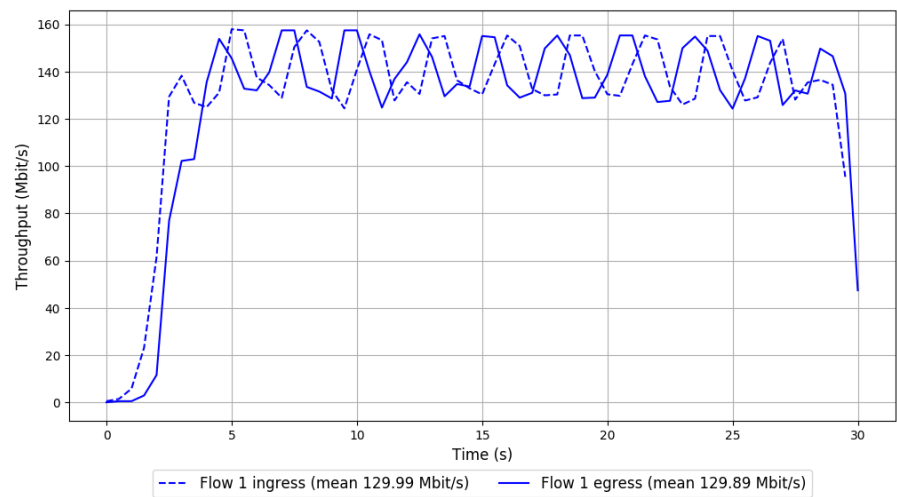


Run 9: Statistics of Indigo

Start at: 2018-08-11 18:03:06
End at: 2018-08-11 18:03:36
Local clock offset: 0.338 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-08-11 19:47:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 129.89 Mbit/s
95th percentile per-packet one-way delay: 136.794 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 129.89 Mbit/s
95th percentile per-packet one-way delay: 136.794 ms
Loss rate: 0.98%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-08-11 18:26:20

End at: 2018-08-11 18:26:50

Local clock offset: 0.557 ms

Remote clock offset: -0.393 ms

Below is generated by plot.py at 2018-08-11 19:47:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 170.96 Mbit/s

95th percentile per-packet one-way delay: 136.903 ms

Loss rate: 0.84%

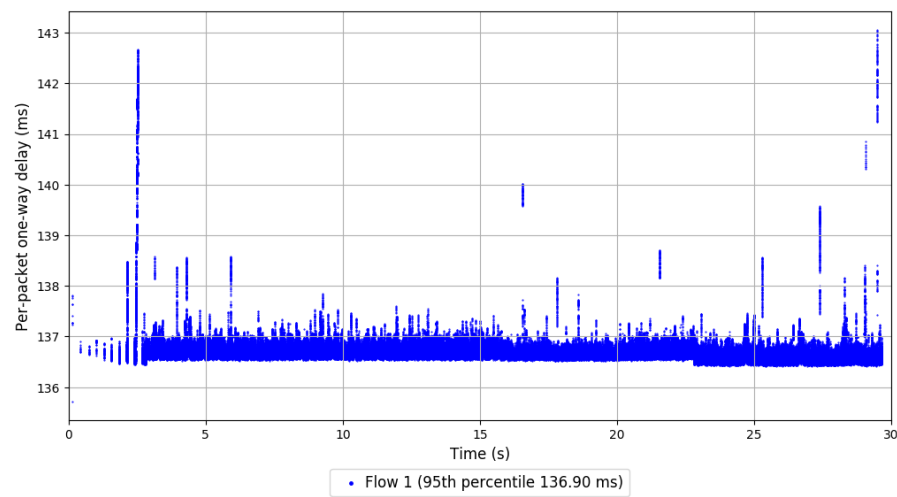
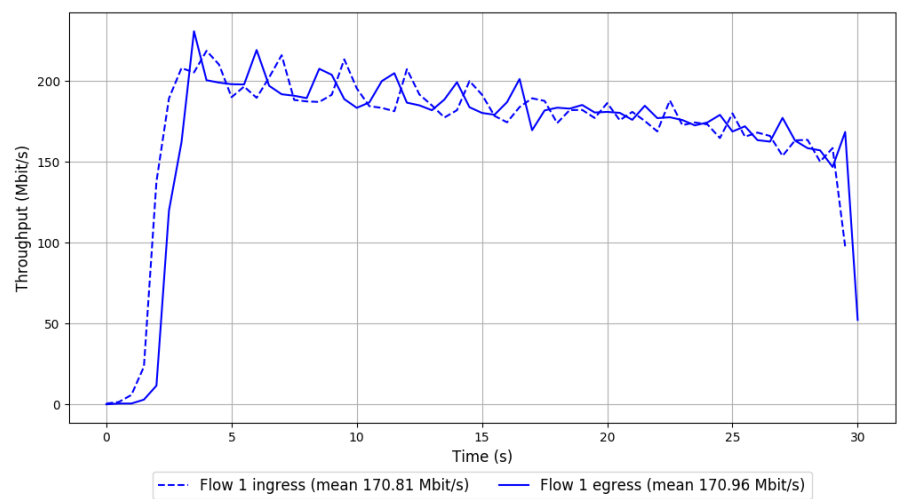
-- Flow 1:

Average throughput: 170.96 Mbit/s

95th percentile per-packet one-way delay: 136.903 ms

Loss rate: 0.84%

Run 10: Report of Indigo — Data Link

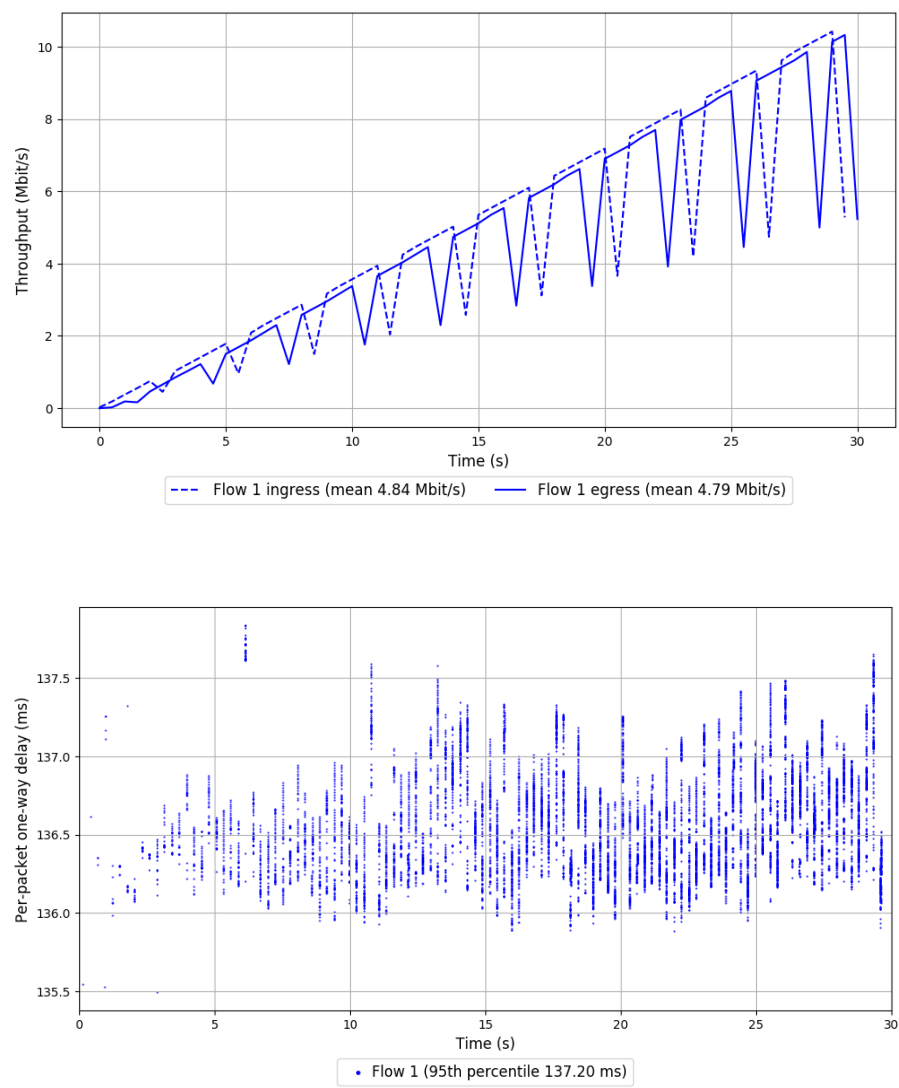


```
Run 1: Statistics of LEDBAT

Start at: 2018-08-11 14:55:56
End at: 2018-08-11 14:56:26
Local clock offset: -0.49 ms
Remote clock offset: -0.542 ms

# Below is generated by plot.py at 2018-08-11 19:47:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.79 Mbit/s
95th percentile per-packet one-way delay: 137.202 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 4.79 Mbit/s
95th percentile per-packet one-way delay: 137.202 ms
Loss rate: 1.83%
```

Run 1: Report of LEDBAT — Data Link

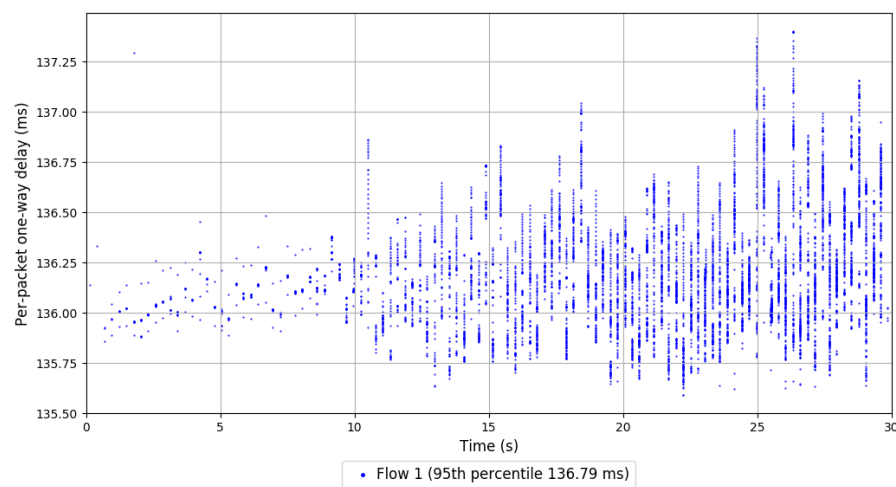
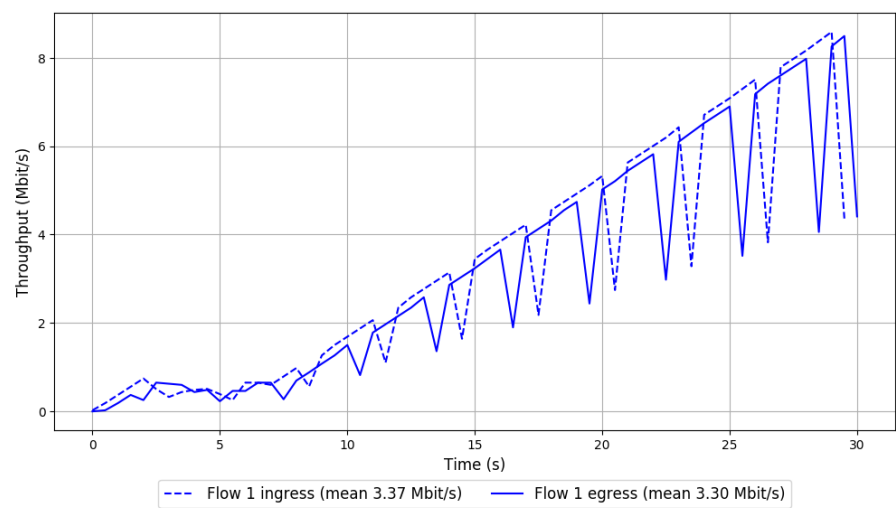


Run 2: Statistics of LEDBAT

Start at: 2018-08-11 15:19:54
End at: 2018-08-11 15:20:25
Local clock offset: -0.469 ms
Remote clock offset: -0.214 ms

Below is generated by plot.py at 2018-08-11 19:47:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.30 Mbit/s
95th percentile per-packet one-way delay: 136.793 ms
Loss rate: 2.13%
-- Flow 1:
Average throughput: 3.30 Mbit/s
95th percentile per-packet one-way delay: 136.793 ms
Loss rate: 2.13%

Run 2: Report of LEDBAT — Data Link

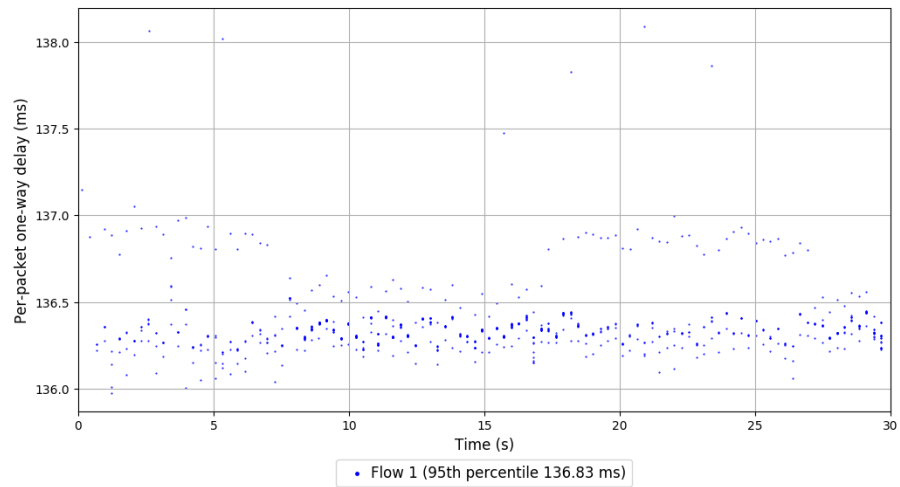
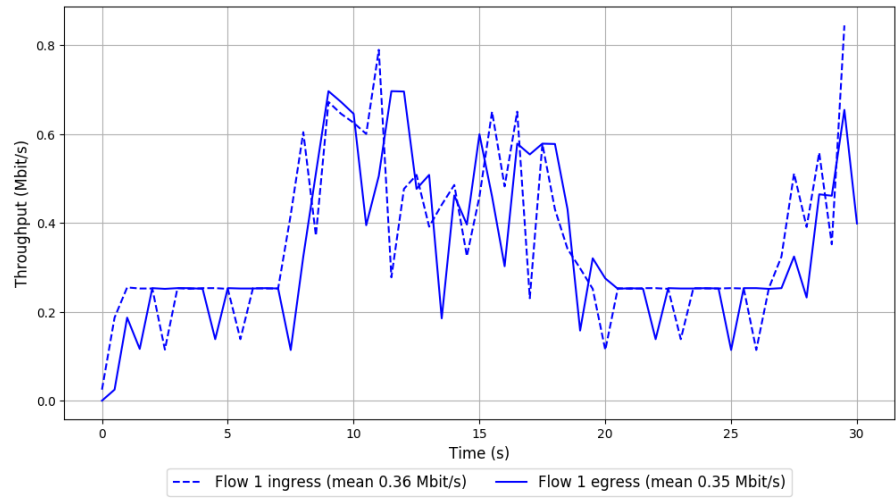


Run 3: Statistics of LEDBAT

Start at: 2018-08-11 15:44:06
End at: 2018-08-11 15:44:36
Local clock offset: -0.549 ms
Remote clock offset: -0.567 ms

Below is generated by plot.py at 2018-08-11 19:47:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 136.833 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 136.833 ms
Loss rate: 2.08%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-08-11 16:07:35

End at: 2018-08-11 16:08:05

Local clock offset: -0.745 ms

Remote clock offset: 0.264 ms

Below is generated by plot.py at 2018-08-11 19:47:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.80 Mbit/s

95th percentile per-packet one-way delay: 137.360 ms

Loss rate: 1.84%

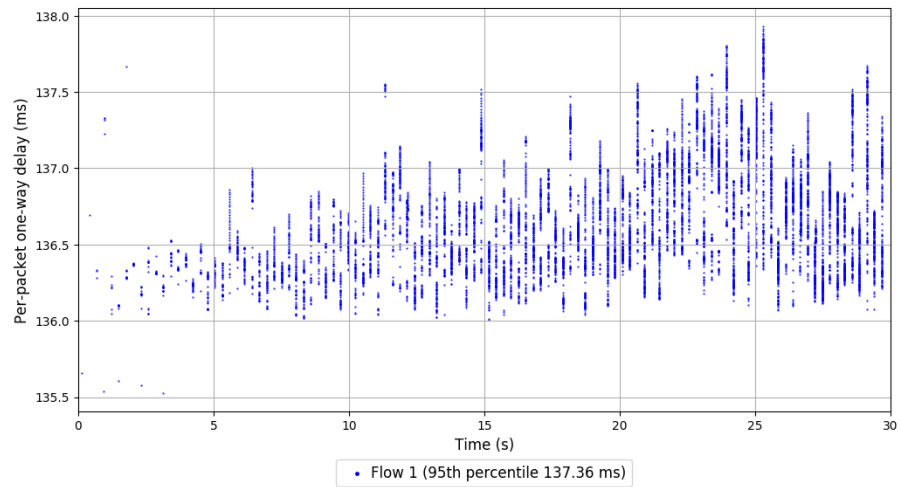
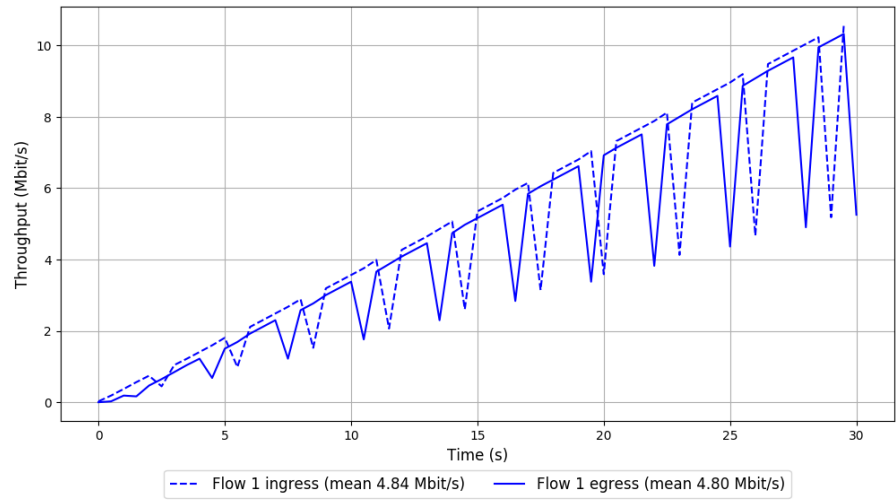
-- Flow 1:

Average throughput: 4.80 Mbit/s

95th percentile per-packet one-way delay: 137.360 ms

Loss rate: 1.84%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-08-11 16:31:31

End at: 2018-08-11 16:32:01

Local clock offset: -0.539 ms

Remote clock offset: 0.193 ms

Below is generated by plot.py at 2018-08-11 19:47:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 136.361 ms

Loss rate: 0.82%

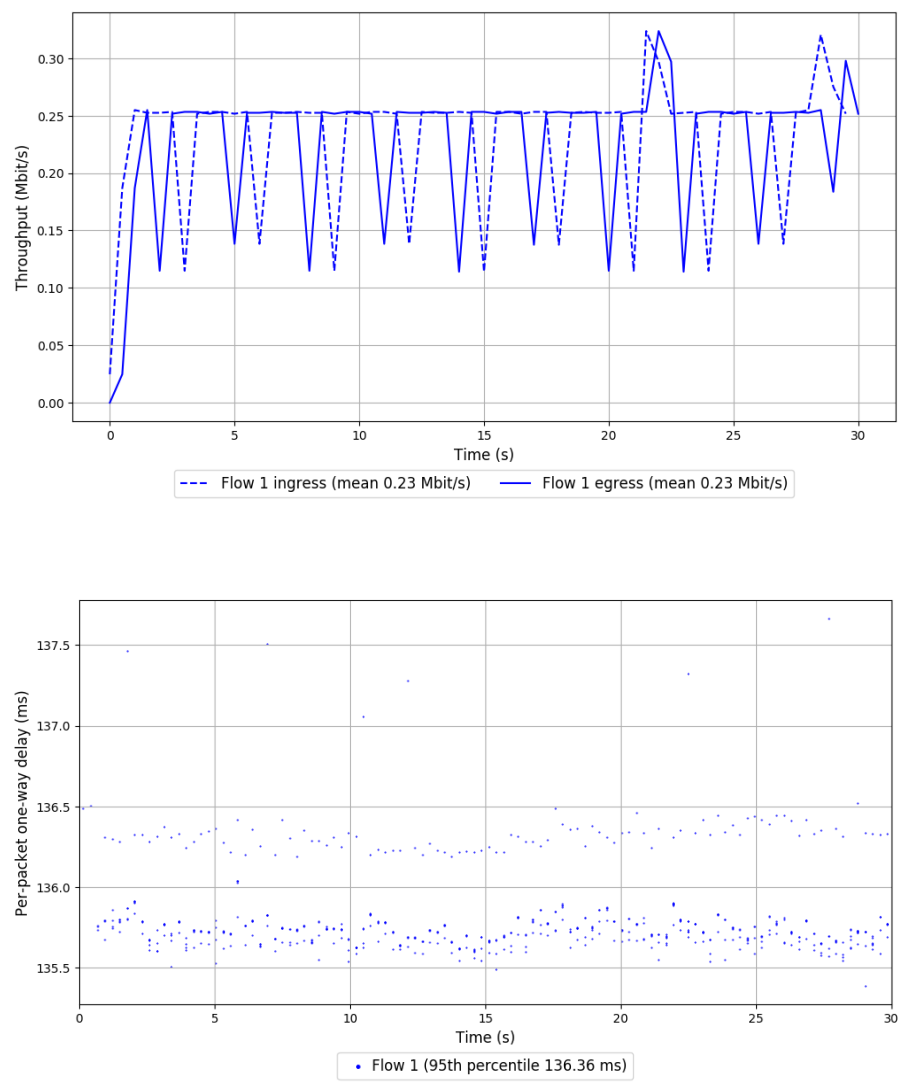
-- Flow 1:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 136.361 ms

Loss rate: 0.82%

Run 5: Report of LEDBAT — Data Link

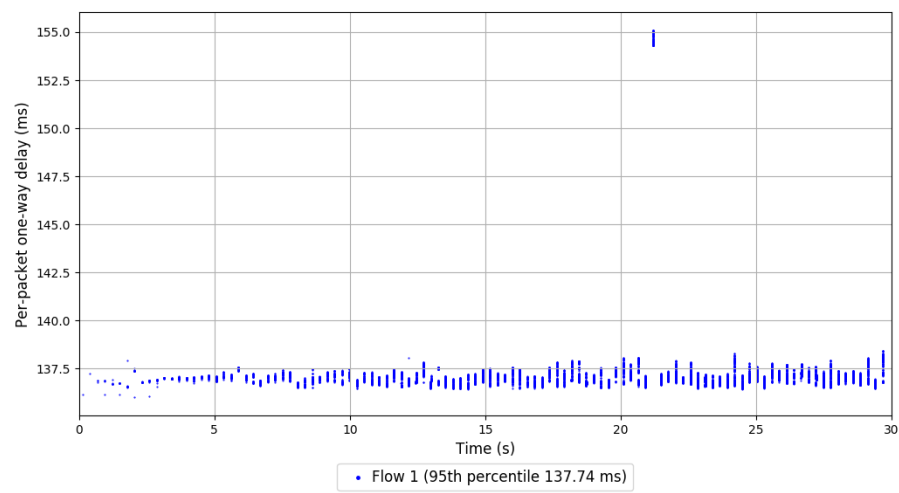
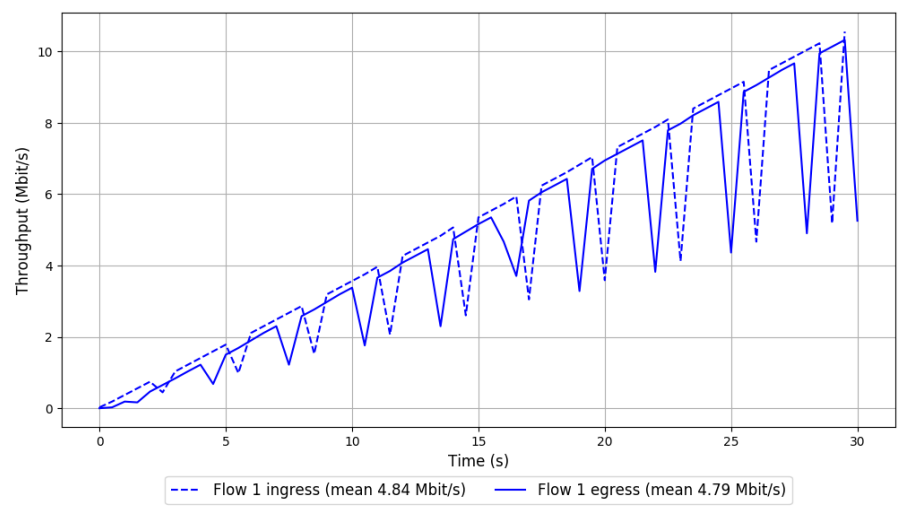


Run 6: Statistics of LEDBAT

Start at: 2018-08-11 16:55:12
End at: 2018-08-11 16:55:42
Local clock offset: -0.828 ms
Remote clock offset: -0.273 ms

Below is generated by plot.py at 2018-08-11 19:47:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.79 Mbit/s
95th percentile per-packet one-way delay: 137.741 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 4.79 Mbit/s
95th percentile per-packet one-way delay: 137.741 ms
Loss rate: 1.84%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-08-11 17:18:35

End at: 2018-08-11 17:19:05

Local clock offset: -0.66 ms

Remote clock offset: -0.59 ms

Below is generated by plot.py at 2018-08-11 19:47:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.81 Mbit/s

95th percentile per-packet one-way delay: 138.101 ms

Loss rate: 1.83%

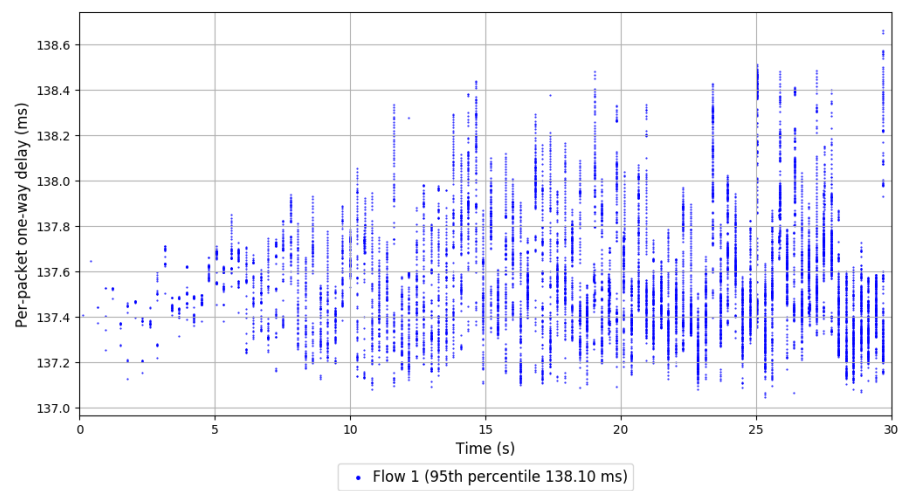
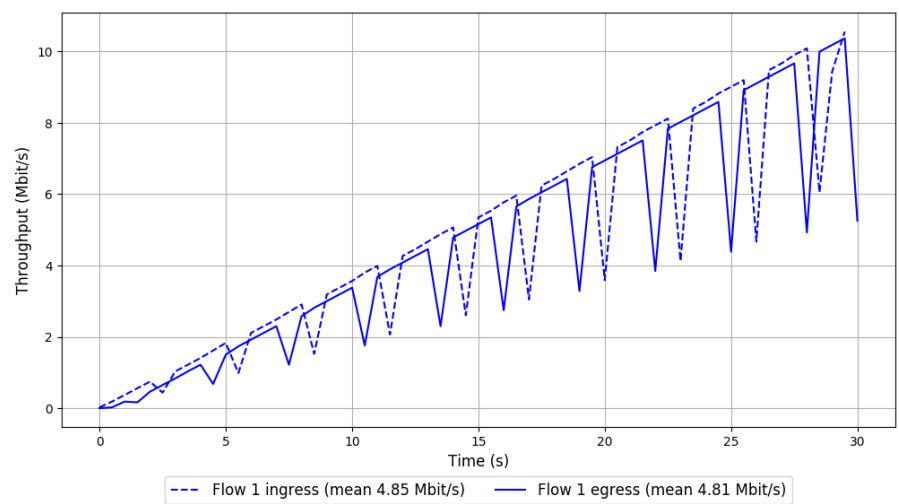
-- Flow 1:

Average throughput: 4.81 Mbit/s

95th percentile per-packet one-way delay: 138.101 ms

Loss rate: 1.83%

Run 7: Report of LEDBAT — Data Link

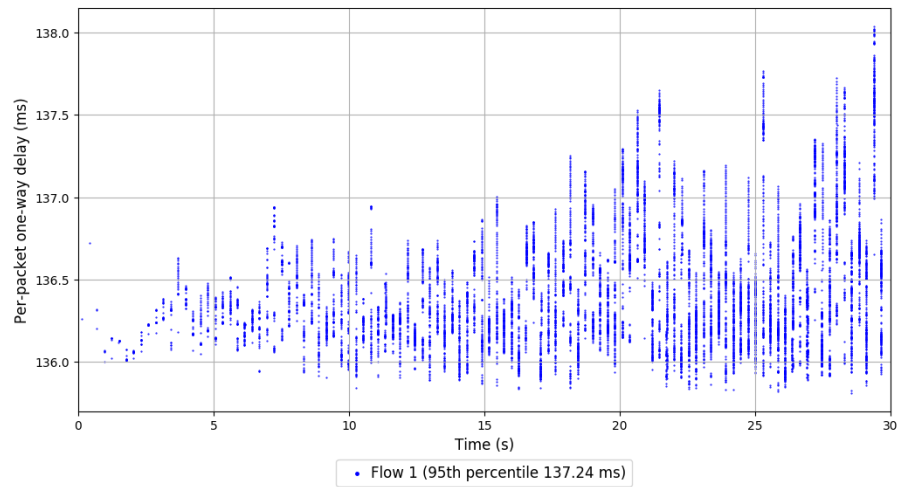
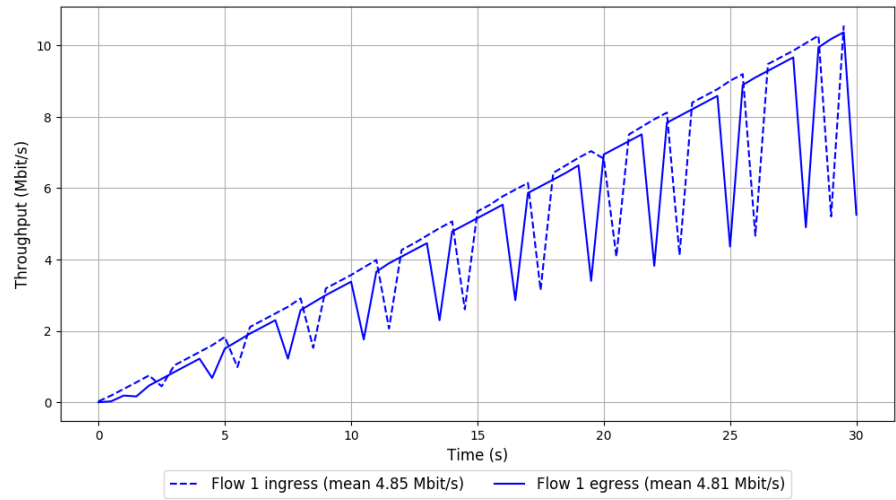


Run 8: Statistics of LEDBAT

Start at: 2018-08-11 17:42:18
End at: 2018-08-11 17:42:48
Local clock offset: -0.102 ms
Remote clock offset: -0.501 ms

Below is generated by plot.py at 2018-08-11 19:47:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.81 Mbit/s
95th percentile per-packet one-way delay: 137.237 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 4.81 Mbit/s
95th percentile per-packet one-way delay: 137.237 ms
Loss rate: 1.83%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-08-11 18:05:37

End at: 2018-08-11 18:06:07

Local clock offset: 0.464 ms

Remote clock offset: 0.202 ms

Below is generated by plot.py at 2018-08-11 19:47:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.80 Mbit/s

95th percentile per-packet one-way delay: 137.482 ms

Loss rate: 1.83%

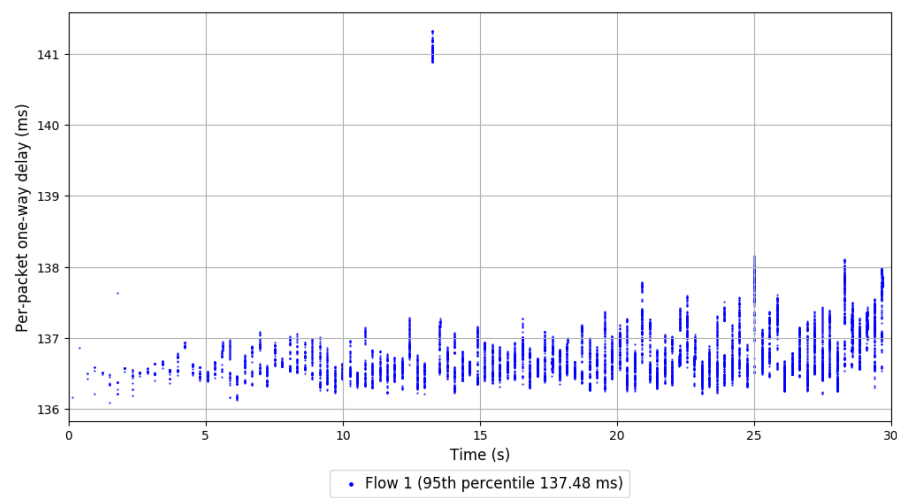
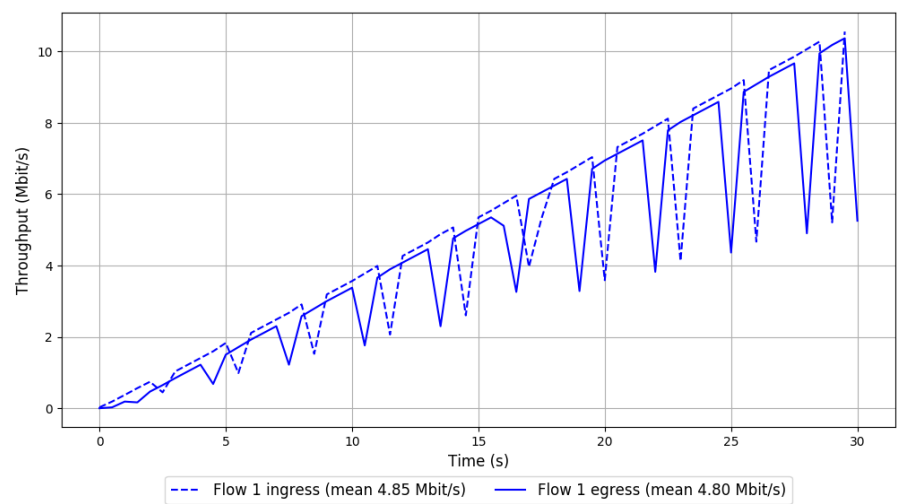
-- Flow 1:

Average throughput: 4.80 Mbit/s

95th percentile per-packet one-way delay: 137.482 ms

Loss rate: 1.83%

Run 9: Report of LEDBAT — Data Link

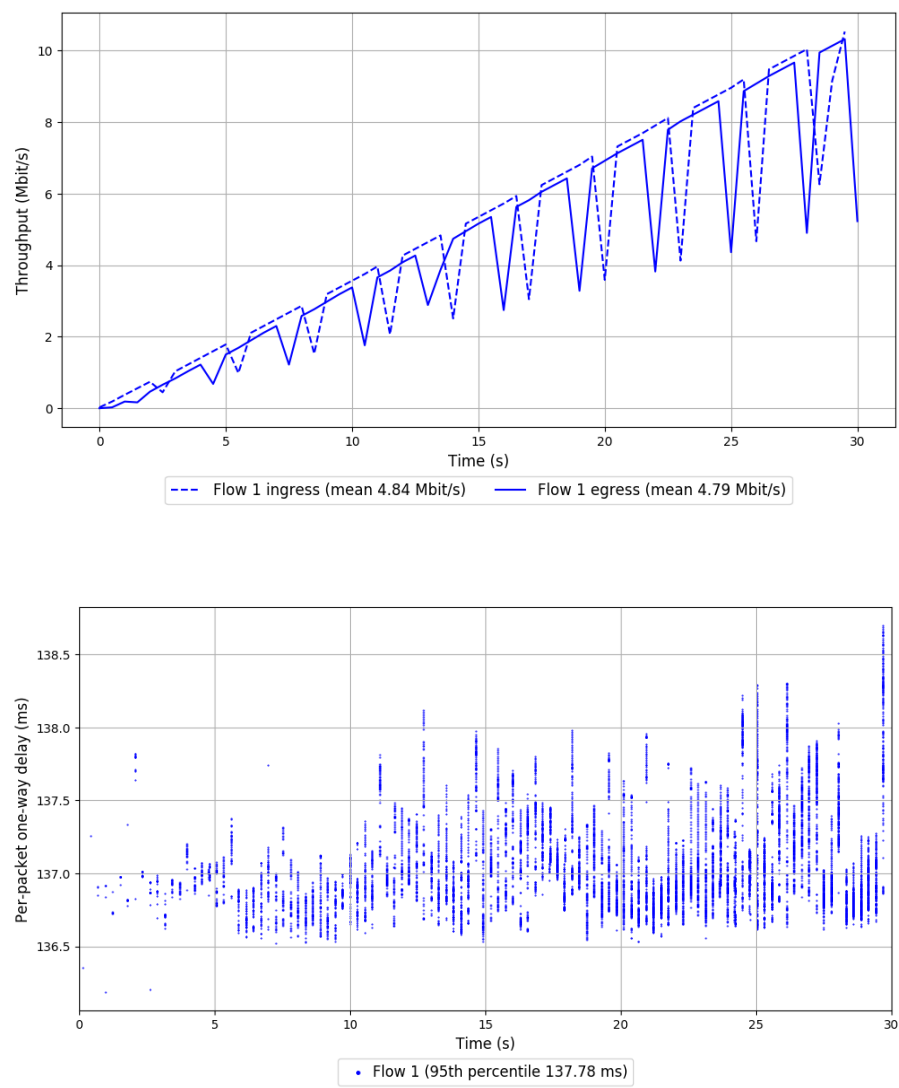


Run 10: Statistics of LEDBAT

Start at: 2018-08-11 18:28:56
End at: 2018-08-11 18:29:26
Local clock offset: 0.745 ms
Remote clock offset: -0.311 ms

Below is generated by plot.py at 2018-08-11 19:47:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.79 Mbit/s
95th percentile per-packet one-way delay: 137.783 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 4.79 Mbit/s
95th percentile per-packet one-way delay: 137.783 ms
Loss rate: 1.84%

Run 10: Report of LEDBAT — Data Link

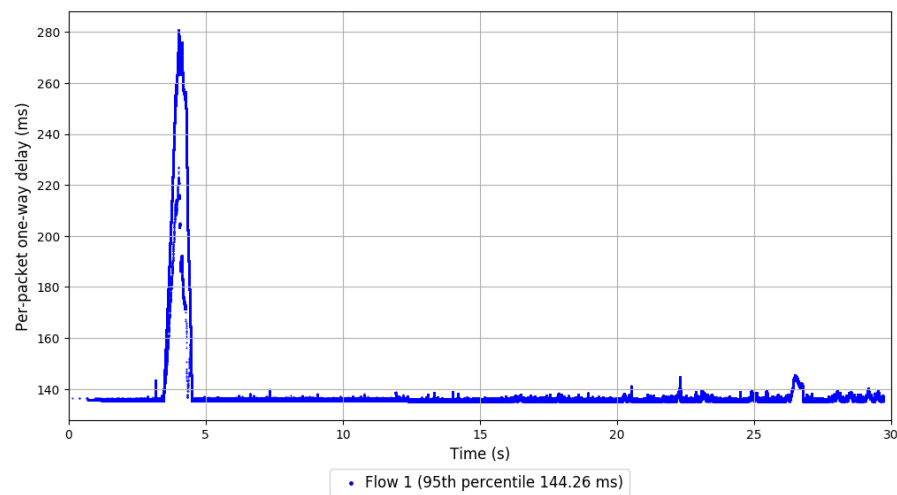
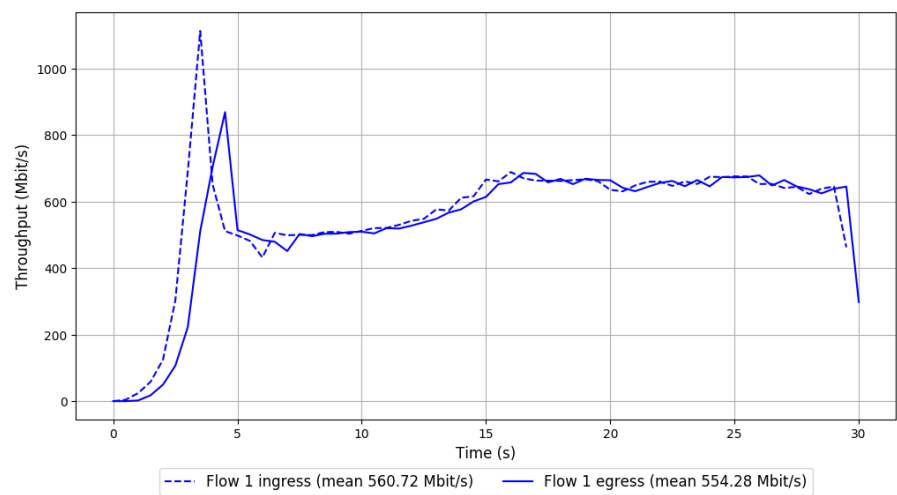


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-11 14:51:51
End at: 2018-08-11 14:52:21
Local clock offset: -0.482 ms
Remote clock offset: -0.158 ms

# Below is generated by plot.py at 2018-08-11 19:48:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 554.28 Mbit/s
95th percentile per-packet one-way delay: 144.258 ms
Loss rate: 2.06%
-- Flow 1:
Average throughput: 554.28 Mbit/s
95th percentile per-packet one-way delay: 144.258 ms
Loss rate: 2.06%
```

Run 1: Report of PCC-Allegro — Data Link

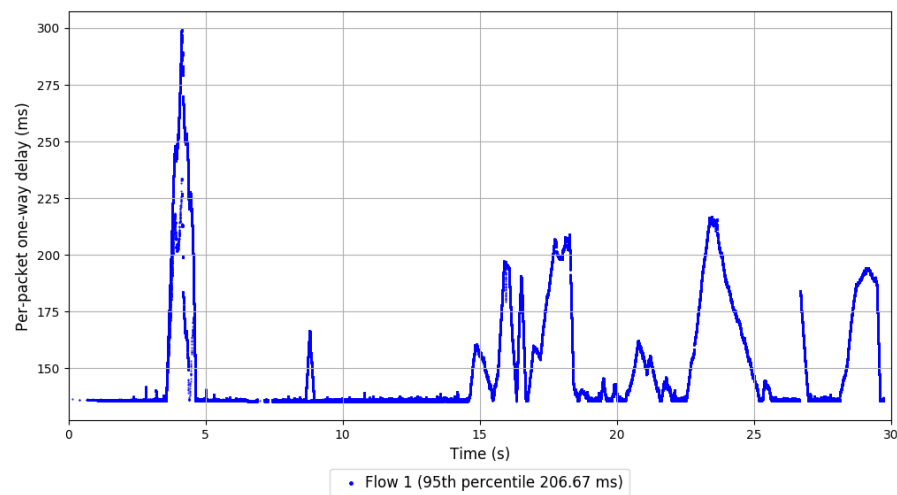
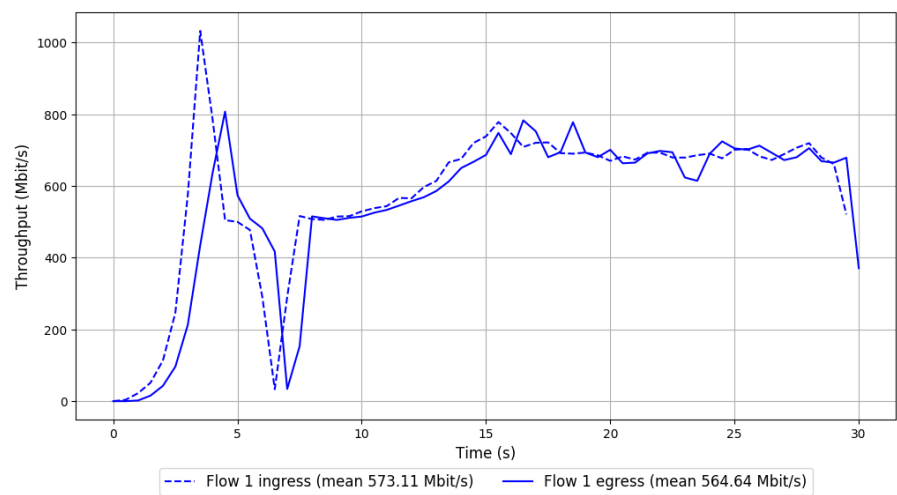


Run 2: Statistics of PCC-Allegro

Start at: 2018-08-11 15:15:37
End at: 2018-08-11 15:16:07
Local clock offset: -0.606 ms
Remote clock offset: -0.227 ms

Below is generated by plot.py at 2018-08-11 19:49:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 564.64 Mbit/s
95th percentile per-packet one-way delay: 206.672 ms
Loss rate: 2.38%
-- Flow 1:
Average throughput: 564.64 Mbit/s
95th percentile per-packet one-way delay: 206.672 ms
Loss rate: 2.38%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-11 15:40:00

End at: 2018-08-11 15:40:30

Local clock offset: -0.51 ms

Remote clock offset: 0.093 ms

Below is generated by plot.py at 2018-08-11 19:49:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 557.70 Mbit/s

95th percentile per-packet one-way delay: 174.543 ms

Loss rate: 2.26%

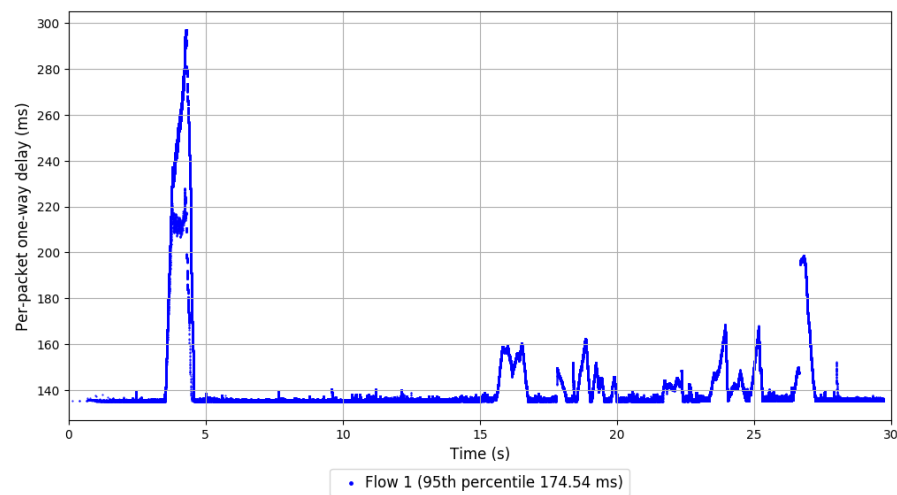
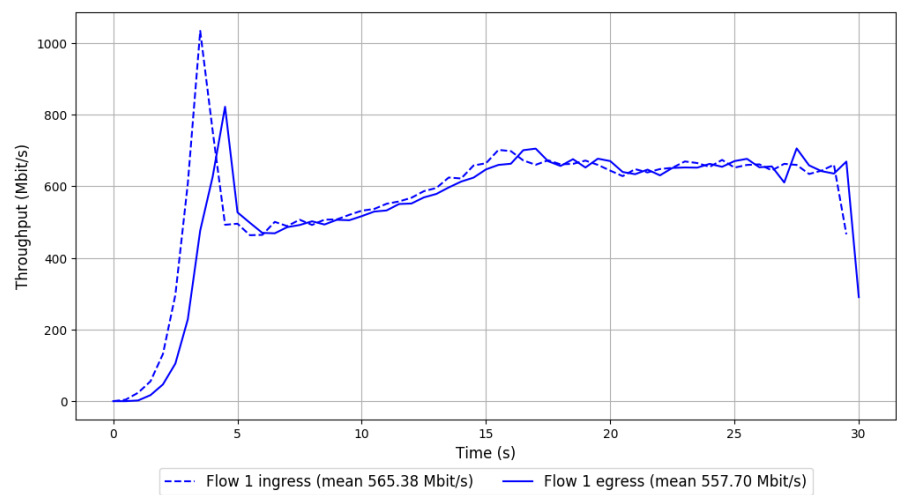
-- Flow 1:

Average throughput: 557.70 Mbit/s

95th percentile per-packet one-way delay: 174.543 ms

Loss rate: 2.26%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-11 16:03:32

End at: 2018-08-11 16:04:02

Local clock offset: -0.466 ms

Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-08-11 19:49:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 525.40 Mbit/s

95th percentile per-packet one-way delay: 208.863 ms

Loss rate: 2.04%

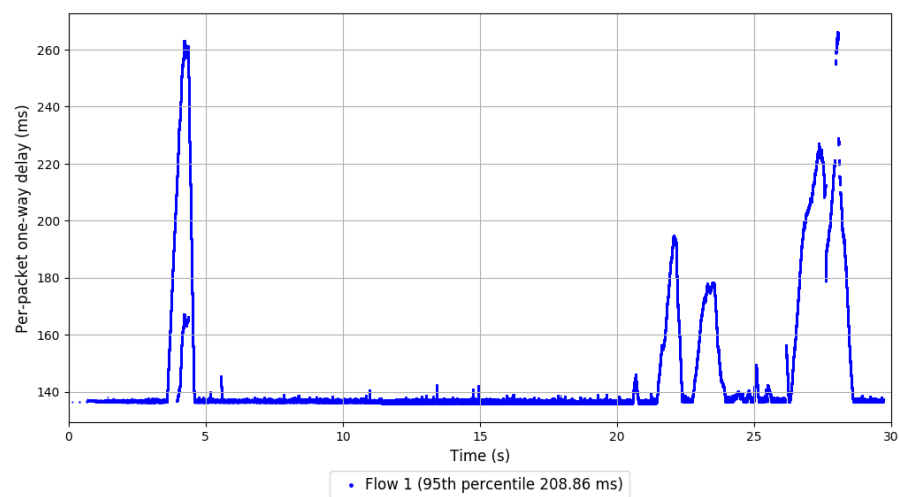
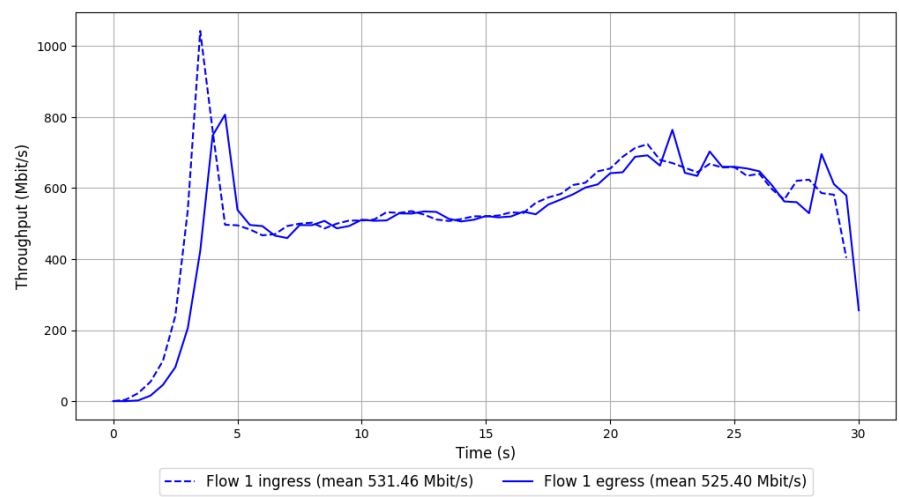
-- Flow 1:

Average throughput: 525.40 Mbit/s

95th percentile per-packet one-way delay: 208.863 ms

Loss rate: 2.04%

Run 4: Report of PCC-Allegro — Data Link

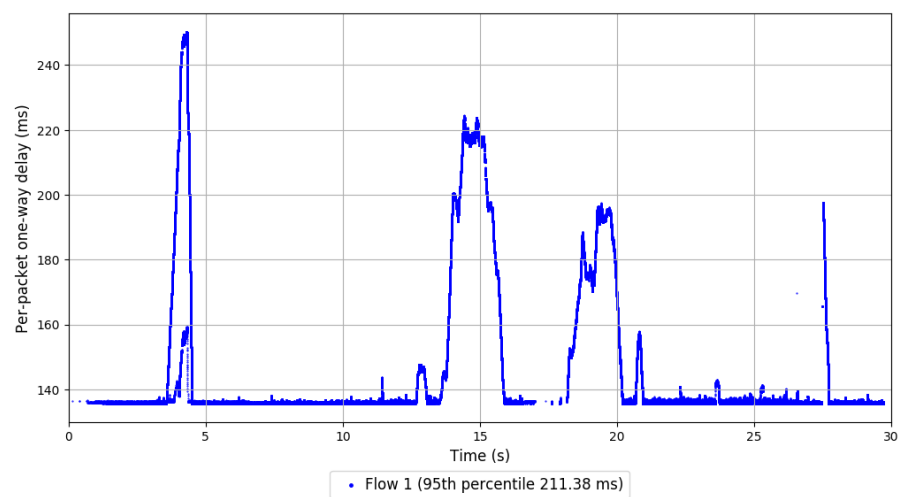
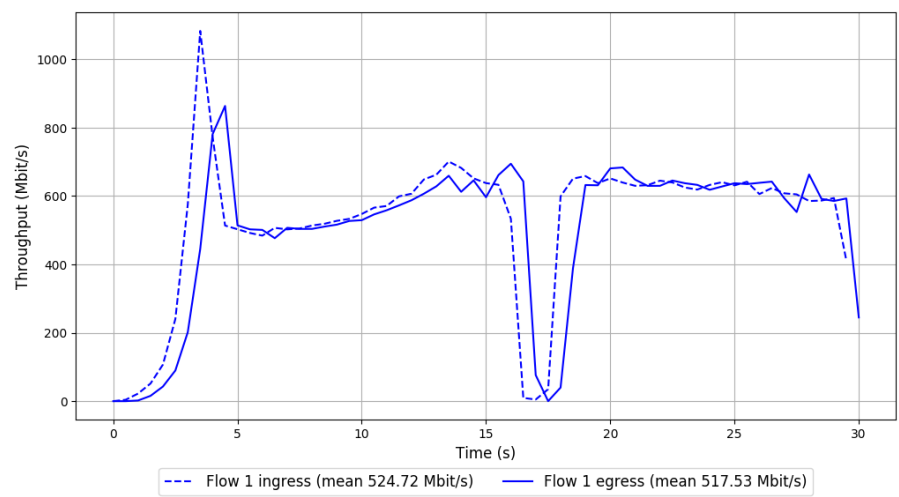


Run 5: Statistics of PCC-Allegro

Start at: 2018-08-11 16:27:27
End at: 2018-08-11 16:27:57
Local clock offset: -0.657 ms
Remote clock offset: -0.187 ms

Below is generated by plot.py at 2018-08-11 19:53:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 517.53 Mbit/s
95th percentile per-packet one-way delay: 211.384 ms
Loss rate: 2.27%
-- Flow 1:
Average throughput: 517.53 Mbit/s
95th percentile per-packet one-way delay: 211.384 ms
Loss rate: 2.27%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-11 16:51:07

End at: 2018-08-11 16:51:37

Local clock offset: -0.774 ms

Remote clock offset: 0.142 ms

Below is generated by plot.py at 2018-08-11 19:54:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 537.60 Mbit/s

95th percentile per-packet one-way delay: 184.023 ms

Loss rate: 1.52%

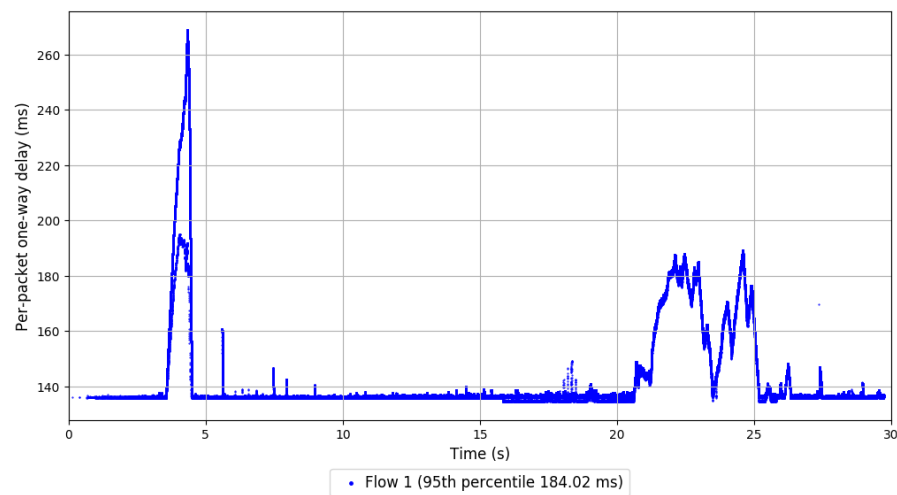
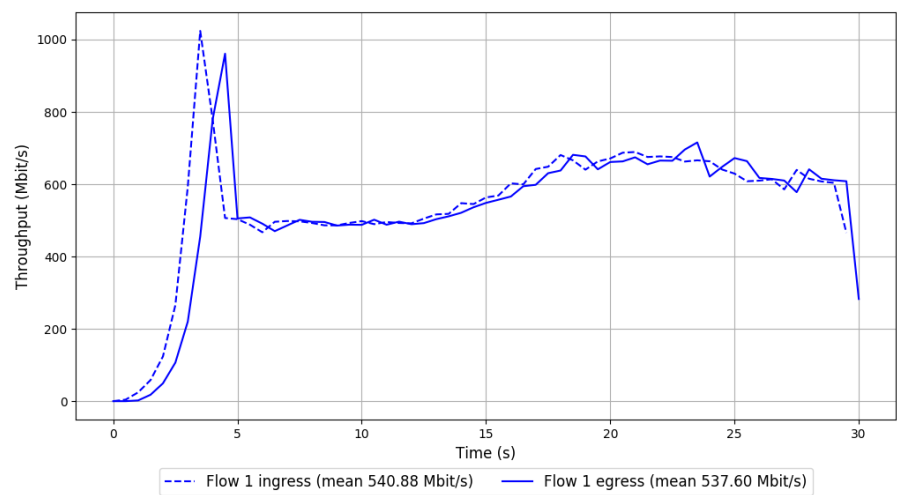
-- Flow 1:

Average throughput: 537.60 Mbit/s

95th percentile per-packet one-way delay: 184.023 ms

Loss rate: 1.52%

Run 6: Report of PCC-Allegro — Data Link

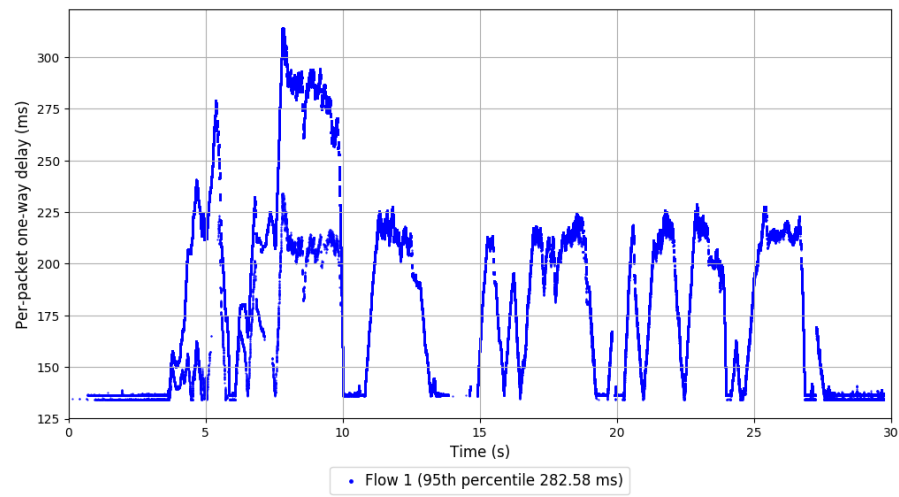
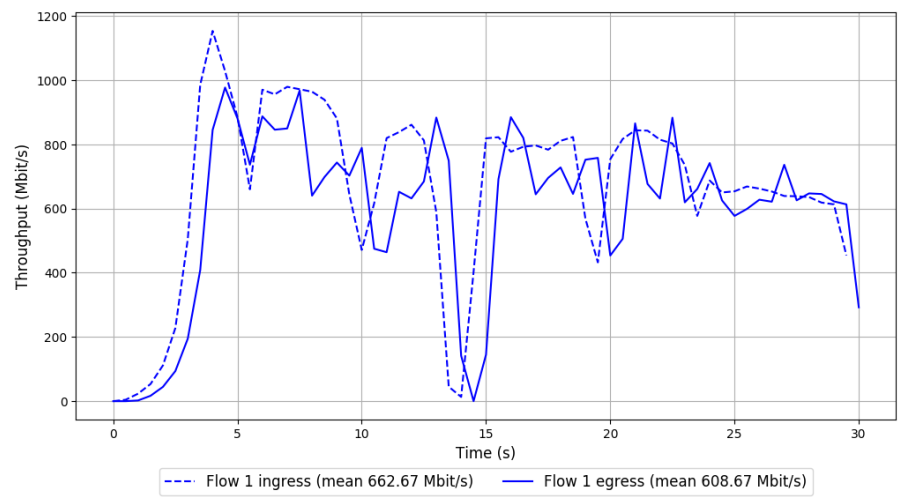


Run 7: Statistics of PCC-Allegro

Start at: 2018-08-11 17:14:27
End at: 2018-08-11 17:14:57
Local clock offset: -0.997 ms
Remote clock offset: -0.208 ms

Below is generated by plot.py at 2018-08-11 19:56:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 608.67 Mbit/s
95th percentile per-packet one-way delay: 282.579 ms
Loss rate: 8.98%
-- Flow 1:
Average throughput: 608.67 Mbit/s
95th percentile per-packet one-way delay: 282.579 ms
Loss rate: 8.98%

Run 7: Report of PCC-Allegro — Data Link

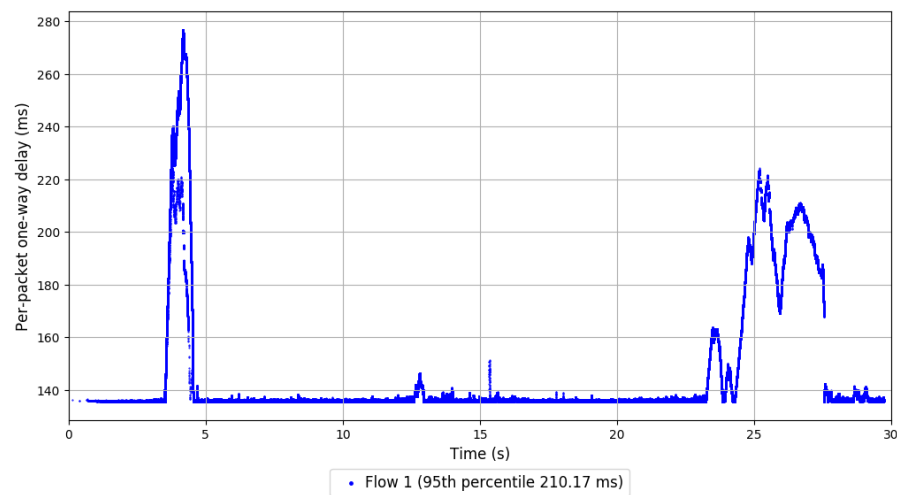
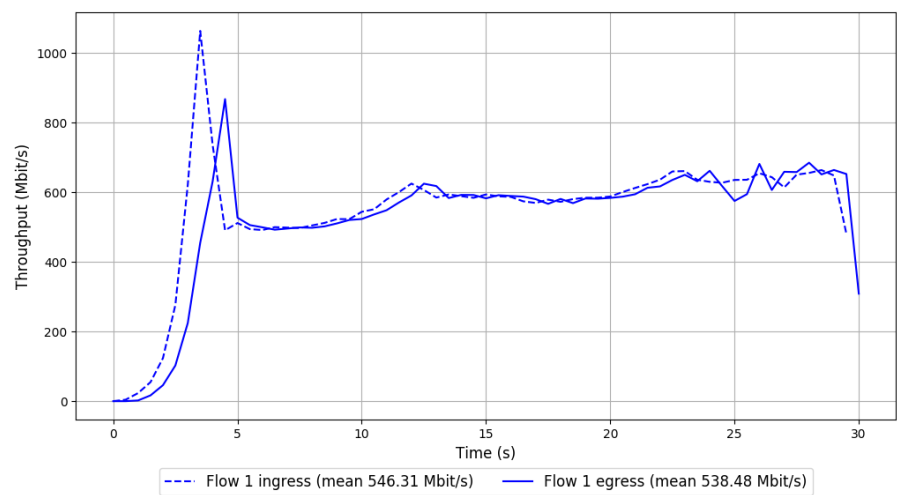


Run 8: Statistics of PCC-Allegro

Start at: 2018-08-11 17:38:13
End at: 2018-08-11 17:38:43
Local clock offset: -0.177 ms
Remote clock offset: -0.195 ms

Below is generated by plot.py at 2018-08-11 19:56:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 538.48 Mbit/s
95th percentile per-packet one-way delay: 210.171 ms
Loss rate: 2.33%
-- Flow 1:
Average throughput: 538.48 Mbit/s
95th percentile per-packet one-way delay: 210.171 ms
Loss rate: 2.33%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-11 18:01:35

End at: 2018-08-11 18:02:05

Local clock offset: 0.504 ms

Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-08-11 19:58:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 548.42 Mbit/s

95th percentile per-packet one-way delay: 162.052 ms

Loss rate: 2.45%

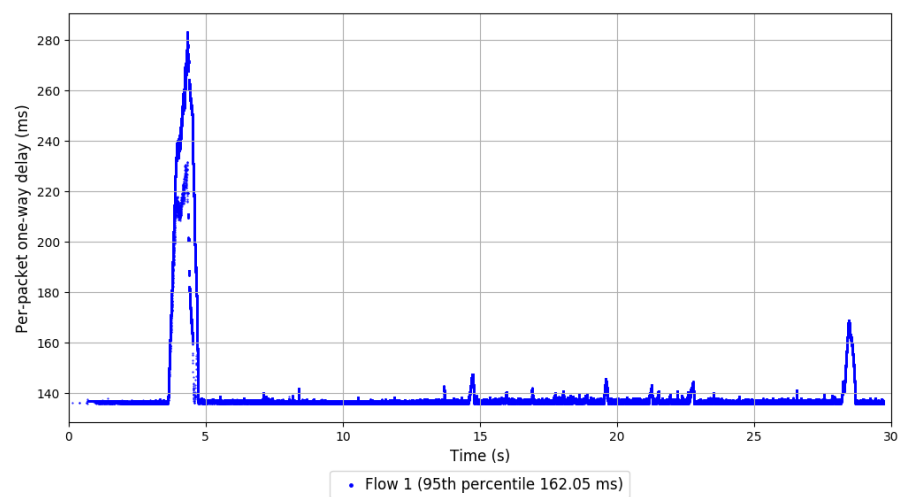
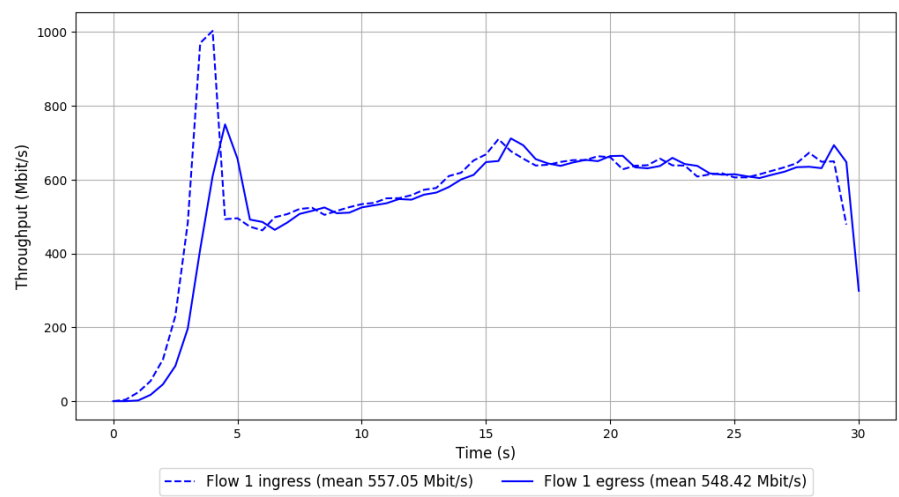
-- Flow 1:

Average throughput: 548.42 Mbit/s

95th percentile per-packet one-way delay: 162.052 ms

Loss rate: 2.45%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-08-11 18:24:49

End at: 2018-08-11 18:25:19

Local clock offset: 0.696 ms

Remote clock offset: -0.625 ms

Below is generated by plot.py at 2018-08-11 19:58:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 514.80 Mbit/s

95th percentile per-packet one-way delay: 160.768 ms

Loss rate: 2.17%

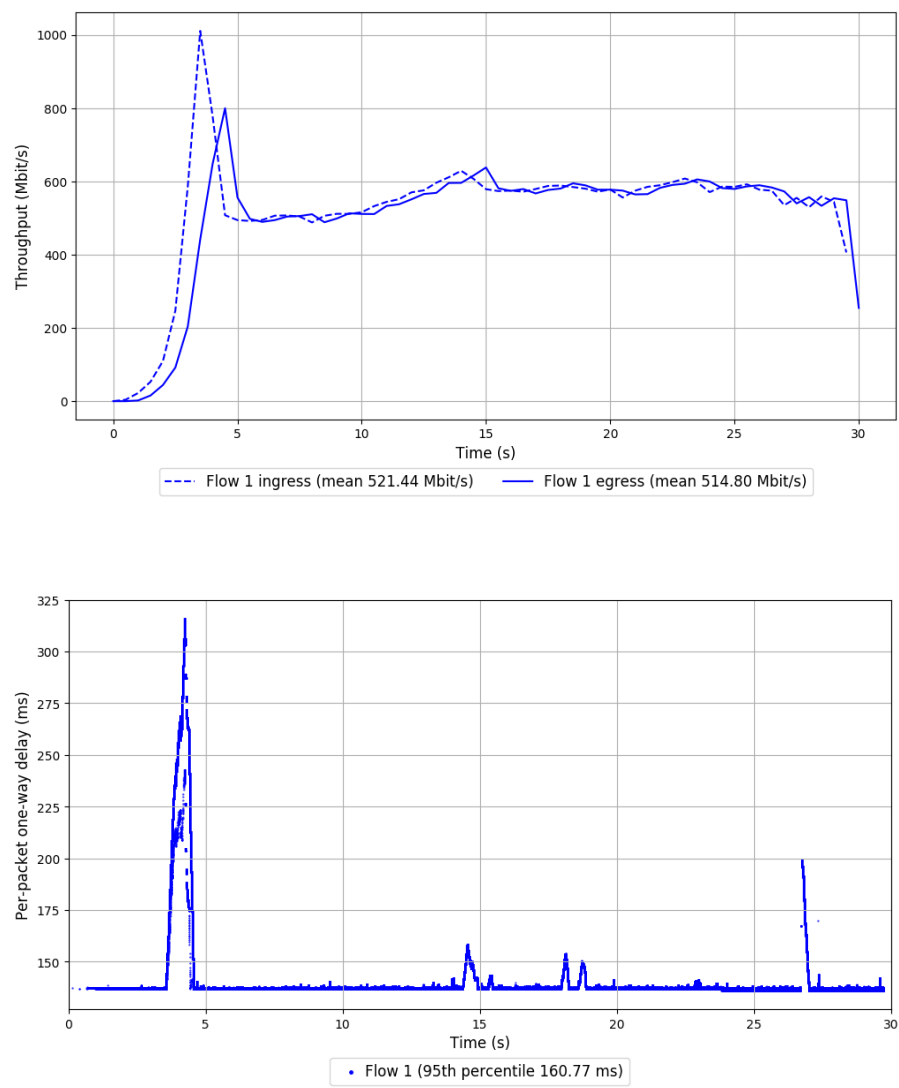
-- Flow 1:

Average throughput: 514.80 Mbit/s

95th percentile per-packet one-way delay: 160.768 ms

Loss rate: 2.17%

Run 10: Report of PCC-Allegro — Data Link

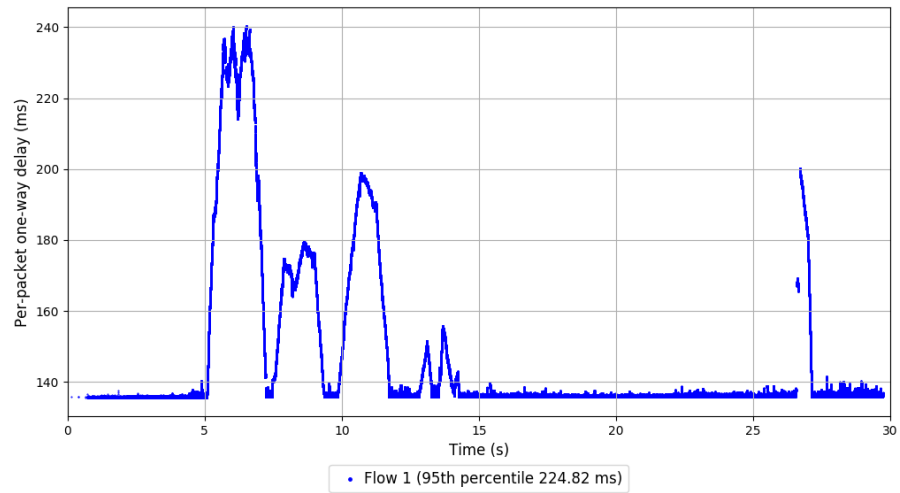
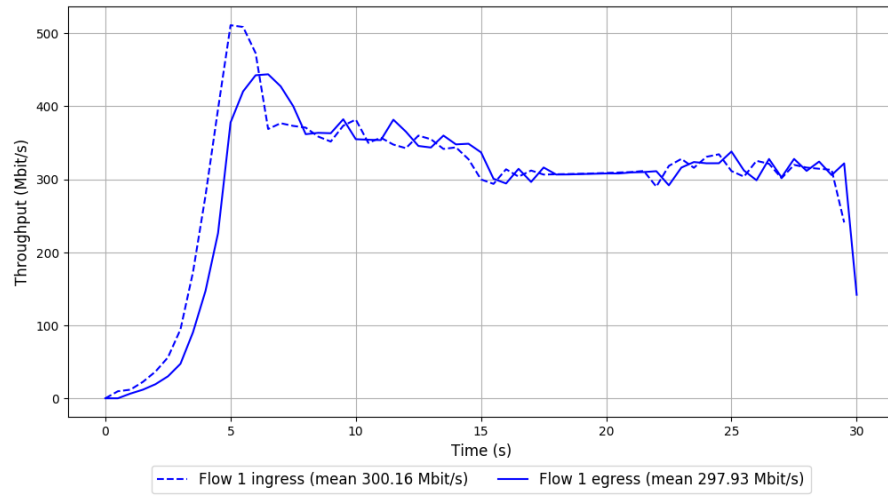


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-11 14:45:48
End at: 2018-08-11 14:46:18
Local clock offset: -0.352 ms
Remote clock offset: -0.174 ms

# Below is generated by plot.py at 2018-08-11 19:59:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 297.93 Mbit/s
95th percentile per-packet one-way delay: 224.823 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 297.93 Mbit/s
95th percentile per-packet one-way delay: 224.823 ms
Loss rate: 1.65%
```

Run 1: Report of PCC-Expr — Data Link

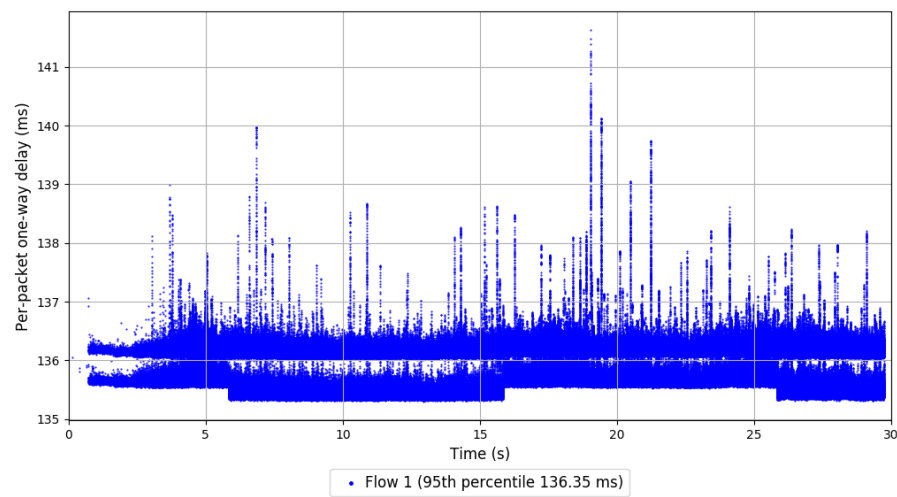
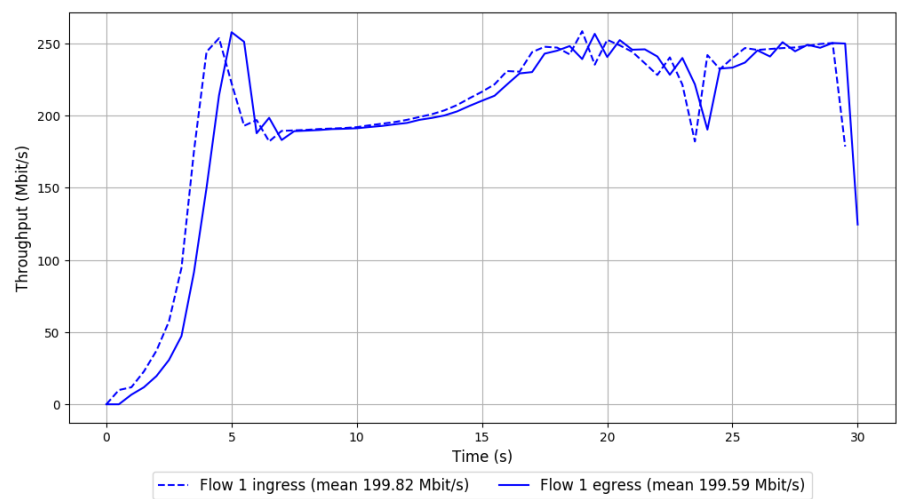


Run 2: Statistics of PCC-Expr

Start at: 2018-08-11 15:09:27
End at: 2018-08-11 15:09:57
Local clock offset: -0.341 ms
Remote clock offset: -0.517 ms

Below is generated by plot.py at 2018-08-11 19:59:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 199.59 Mbit/s
95th percentile per-packet one-way delay: 136.346 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 199.59 Mbit/s
95th percentile per-packet one-way delay: 136.346 ms
Loss rate: 1.02%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-08-11 15:33:28

End at: 2018-08-11 15:33:58

Local clock offset: -0.456 ms

Remote clock offset: 0.112 ms

Below is generated by plot.py at 2018-08-11 20:04:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 314.00 Mbit/s

95th percentile per-packet one-way delay: 252.829 ms

Loss rate: 1.72%

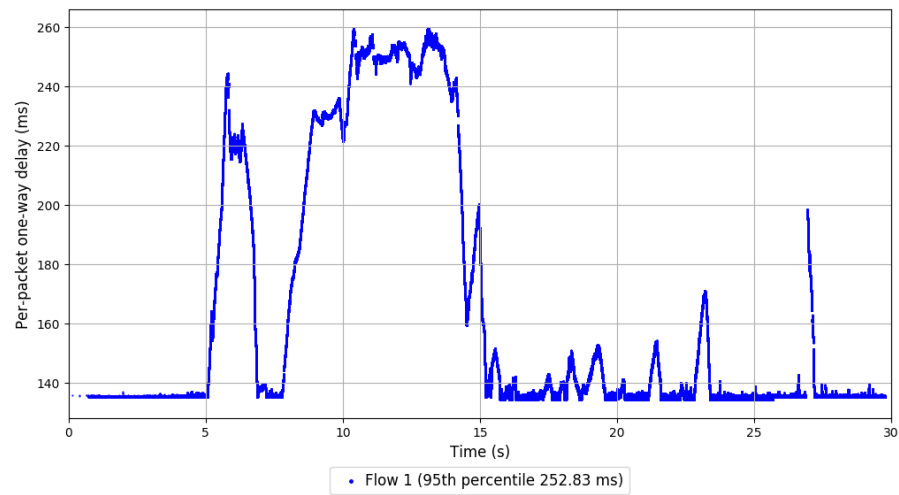
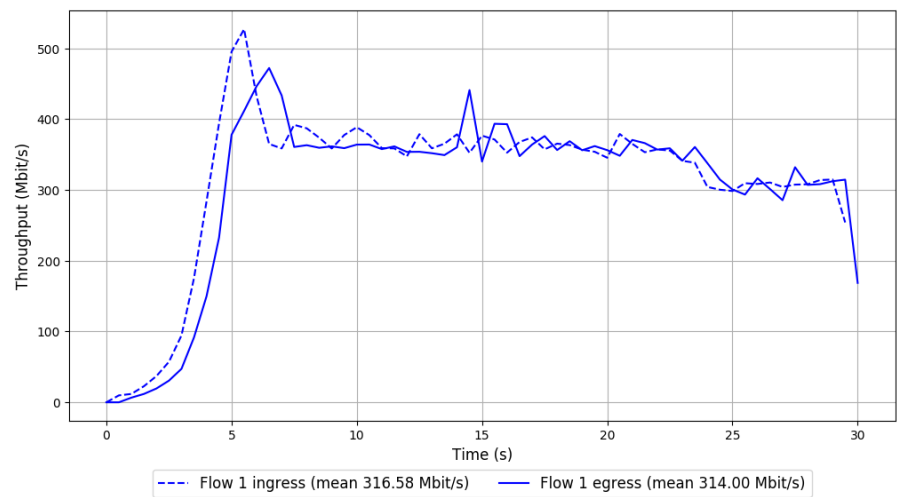
-- Flow 1:

Average throughput: 314.00 Mbit/s

95th percentile per-packet one-way delay: 252.829 ms

Loss rate: 1.72%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-08-11 15:57:39

End at: 2018-08-11 15:58:09

Local clock offset: -0.516 ms

Remote clock offset: 0.268 ms

Below is generated by plot.py at 2018-08-11 20:04:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.72 Mbit/s

95th percentile per-packet one-way delay: 136.491 ms

Loss rate: 1.26%

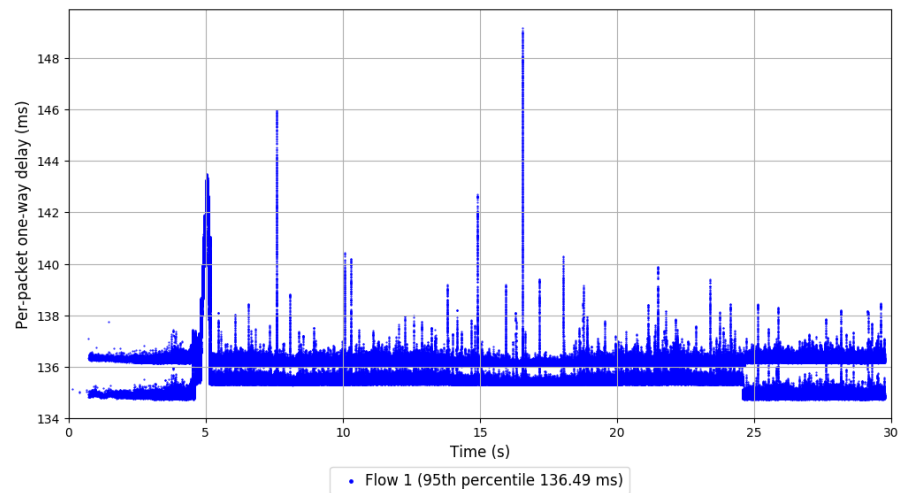
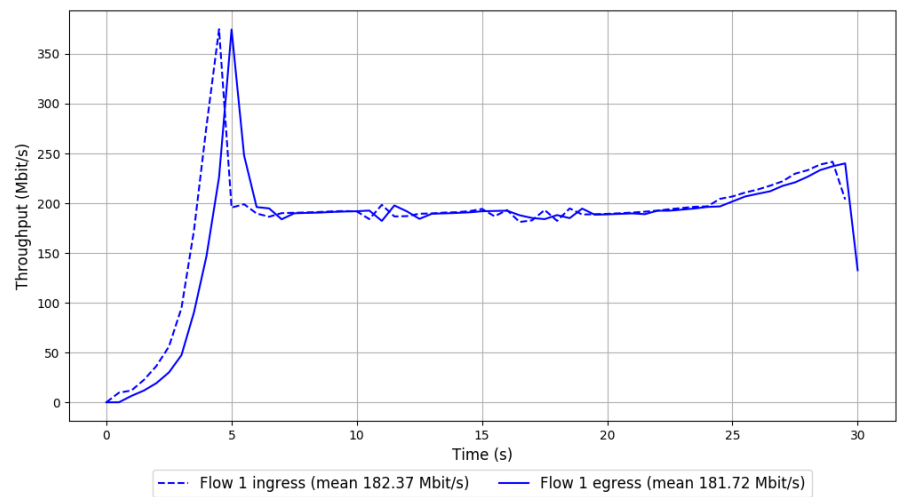
-- Flow 1:

Average throughput: 181.72 Mbit/s

95th percentile per-packet one-way delay: 136.491 ms

Loss rate: 1.26%

Run 4: Report of PCC-Expr — Data Link

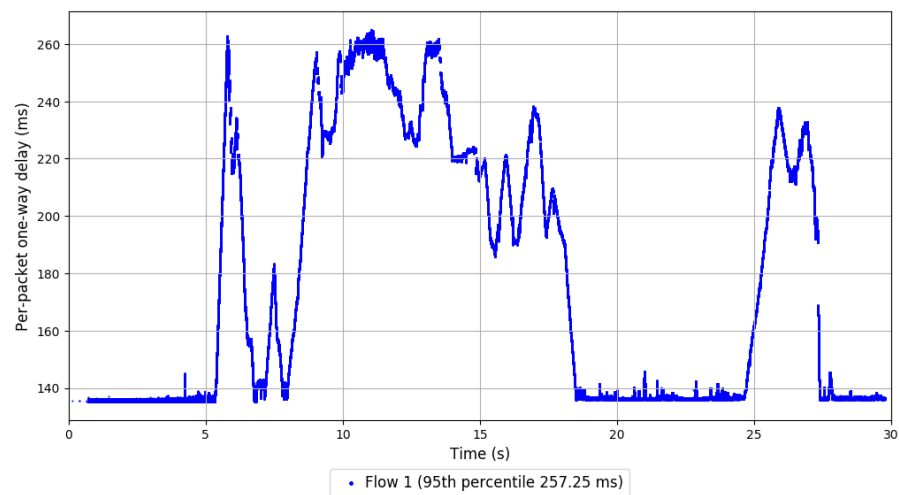
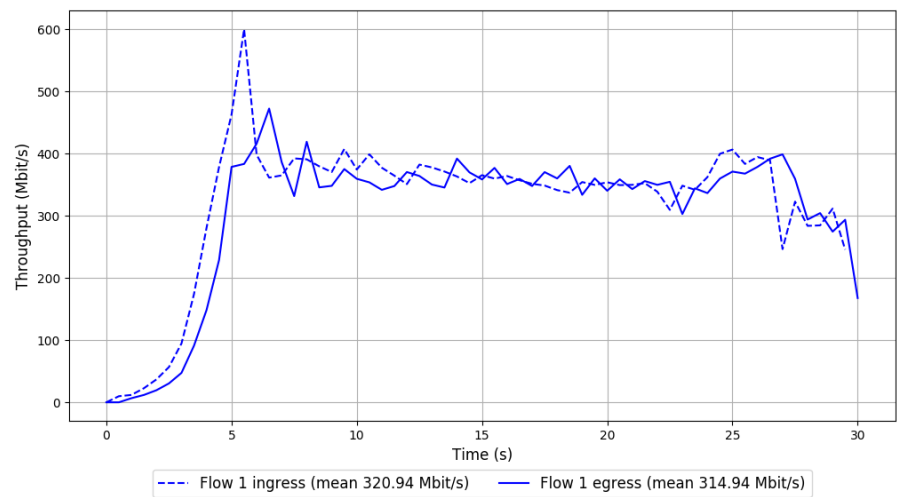


Run 5: Statistics of PCC-Expr

Start at: 2018-08-11 16:21:16
End at: 2018-08-11 16:21:46
Local clock offset: -0.558 ms
Remote clock offset: -0.433 ms

Below is generated by plot.py at 2018-08-11 20:07:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 314.94 Mbit/s
95th percentile per-packet one-way delay: 257.246 ms
Loss rate: 2.76%
-- Flow 1:
Average throughput: 314.94 Mbit/s
95th percentile per-packet one-way delay: 257.246 ms
Loss rate: 2.76%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-08-11 16:45:02

End at: 2018-08-11 16:45:32

Local clock offset: -0.766 ms

Remote clock offset: 0.084 ms

Below is generated by plot.py at 2018-08-11 20:07:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 254.21 Mbit/s

95th percentile per-packet one-way delay: 339.897 ms

Loss rate: 8.84%

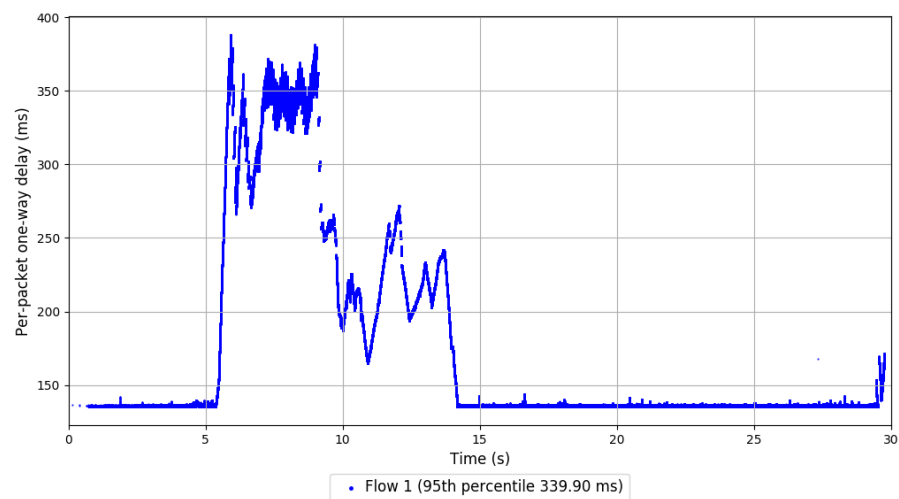
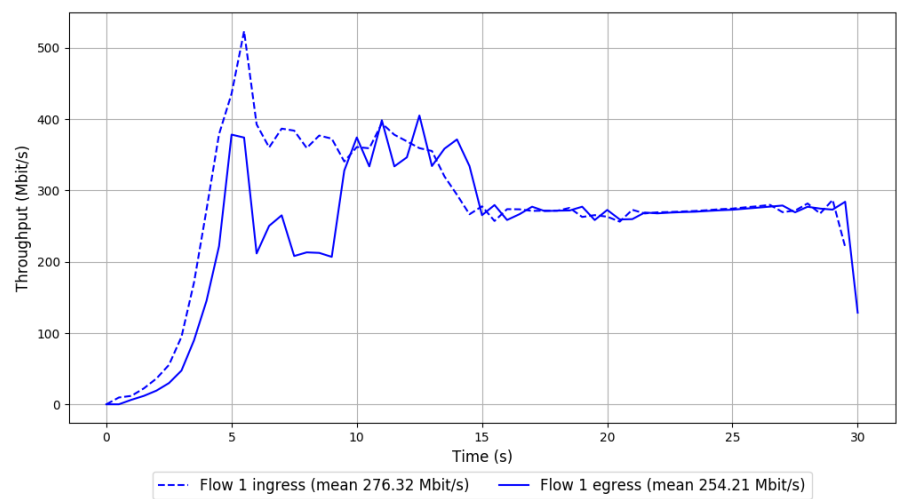
-- Flow 1:

Average throughput: 254.21 Mbit/s

95th percentile per-packet one-way delay: 339.897 ms

Loss rate: 8.84%

Run 6: Report of PCC-Expr — Data Link

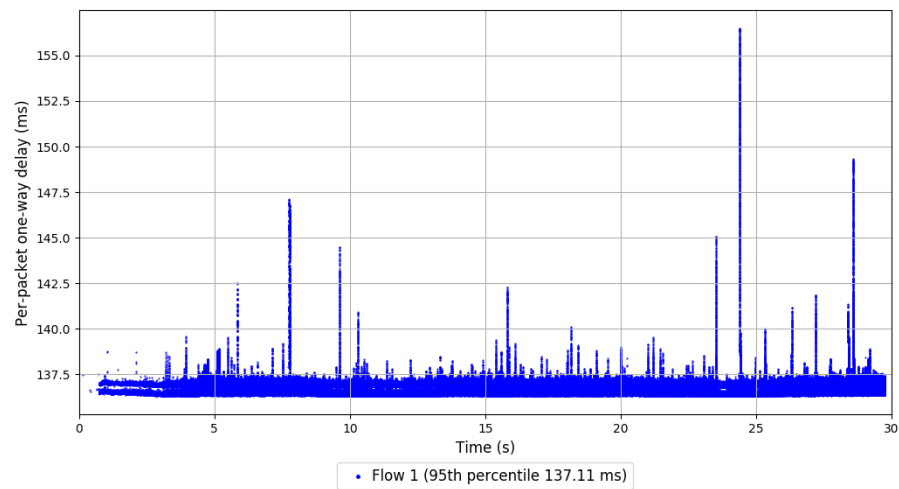
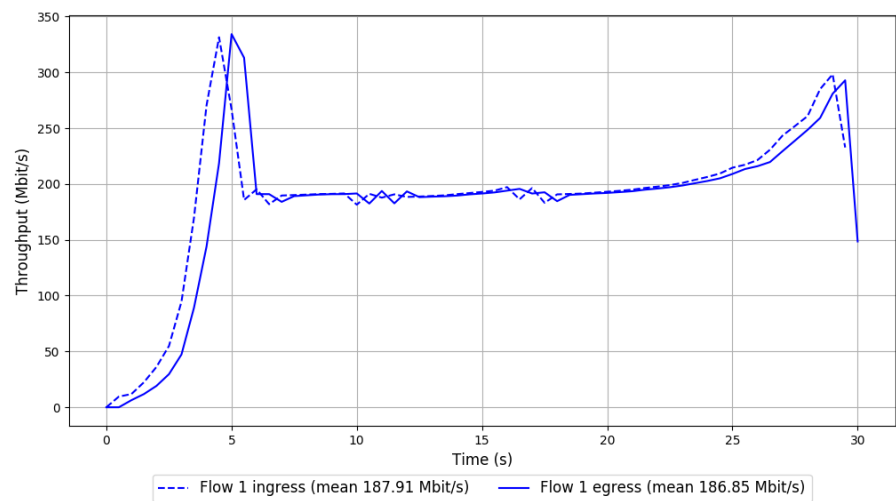


Run 7: Statistics of PCC-Expr

Start at: 2018-08-11 17:08:30
End at: 2018-08-11 17:09:00
Local clock offset: -0.529 ms
Remote clock offset: -0.265 ms

Below is generated by plot.py at 2018-08-11 20:07:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 186.85 Mbit/s
95th percentile per-packet one-way delay: 137.107 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 186.85 Mbit/s
95th percentile per-packet one-way delay: 137.107 ms
Loss rate: 1.48%

Run 7: Report of PCC-Expr — Data Link

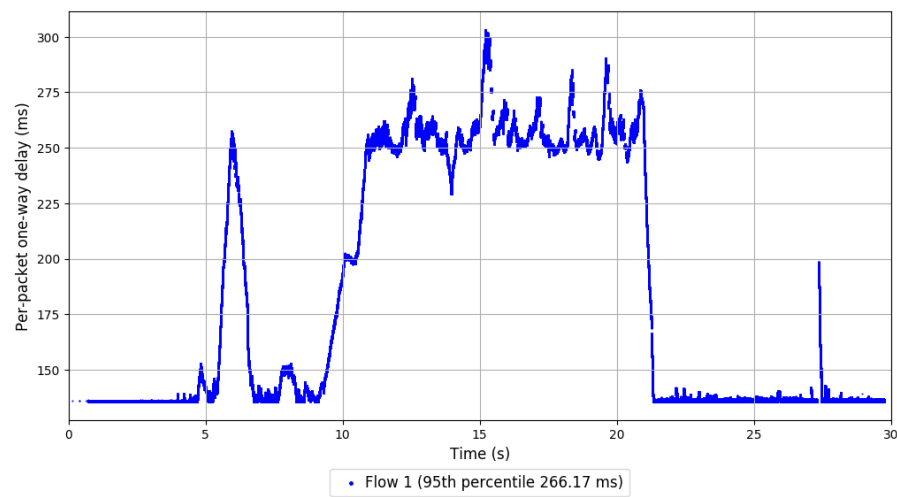
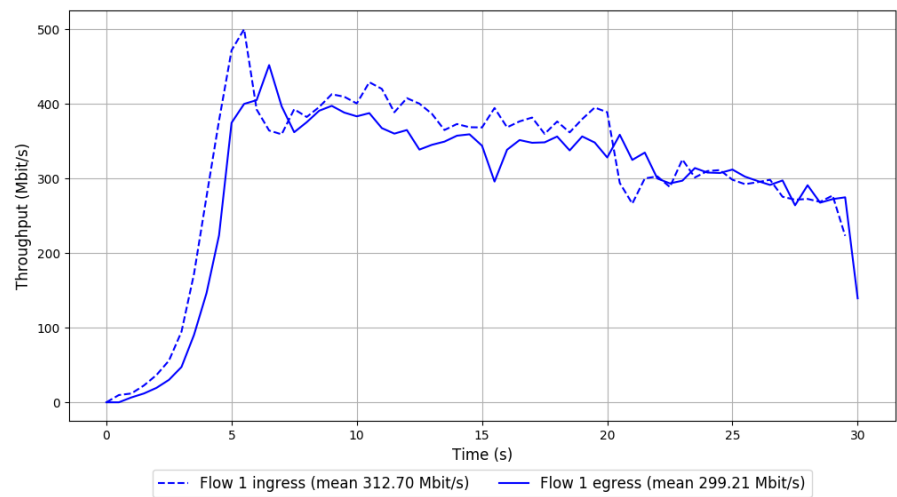


Run 8: Statistics of PCC-Expr

Start at: 2018-08-11 17:32:09
End at: 2018-08-11 17:32:39
Local clock offset: -0.323 ms
Remote clock offset: -0.157 ms

Below is generated by plot.py at 2018-08-11 20:09:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 299.21 Mbit/s
95th percentile per-packet one-way delay: 266.173 ms
Loss rate: 5.19%
-- Flow 1:
Average throughput: 299.21 Mbit/s
95th percentile per-packet one-way delay: 266.173 ms
Loss rate: 5.19%

Run 8: Report of PCC-Expr — Data Link

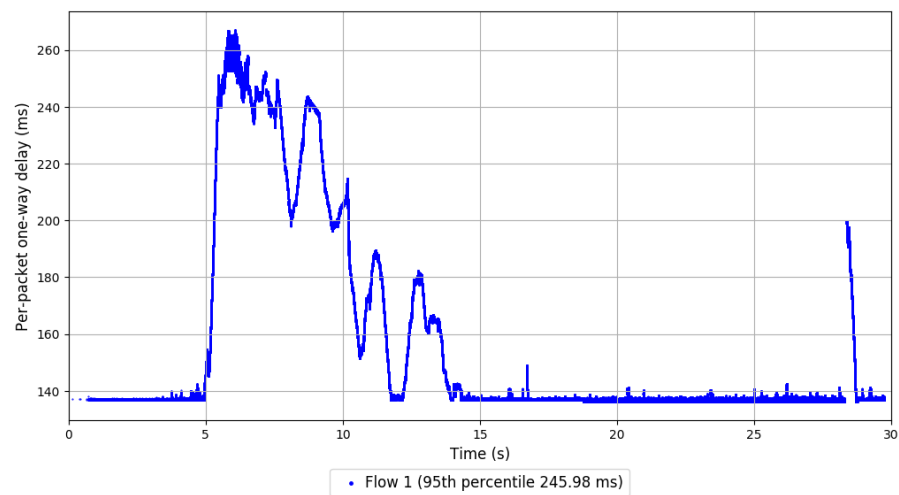
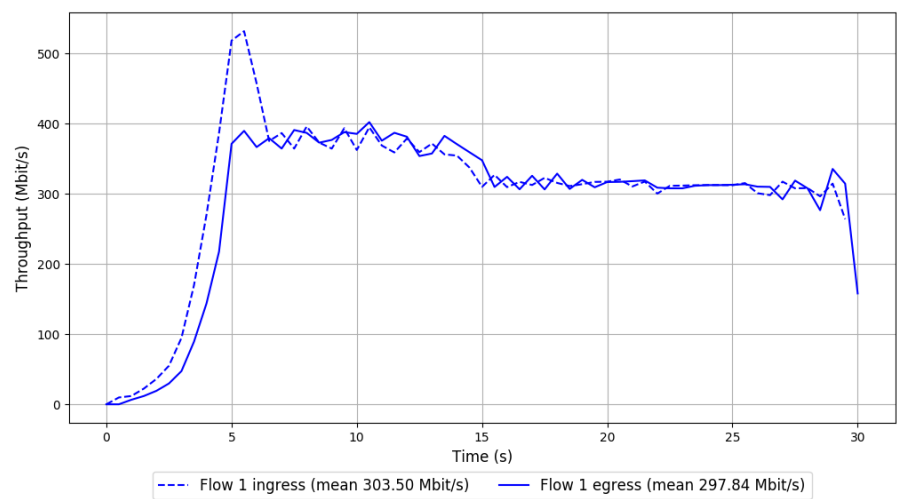


Run 9: Statistics of PCC-Expr

Start at: 2018-08-11 17:55:34
End at: 2018-08-11 17:56:05
Local clock offset: 0.321 ms
Remote clock offset: -0.475 ms

Below is generated by plot.py at 2018-08-11 20:09:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 297.84 Mbit/s
95th percentile per-packet one-way delay: 245.984 ms
Loss rate: 2.77%
-- Flow 1:
Average throughput: 297.84 Mbit/s
95th percentile per-packet one-way delay: 245.984 ms
Loss rate: 2.77%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-08-11 18:18:51

End at: 2018-08-11 18:19:21

Local clock offset: 0.593 ms

Remote clock offset: -0.21 ms

Below is generated by plot.py at 2018-08-11 20:09:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.02 Mbit/s

95th percentile per-packet one-way delay: 136.805 ms

Loss rate: 1.03%

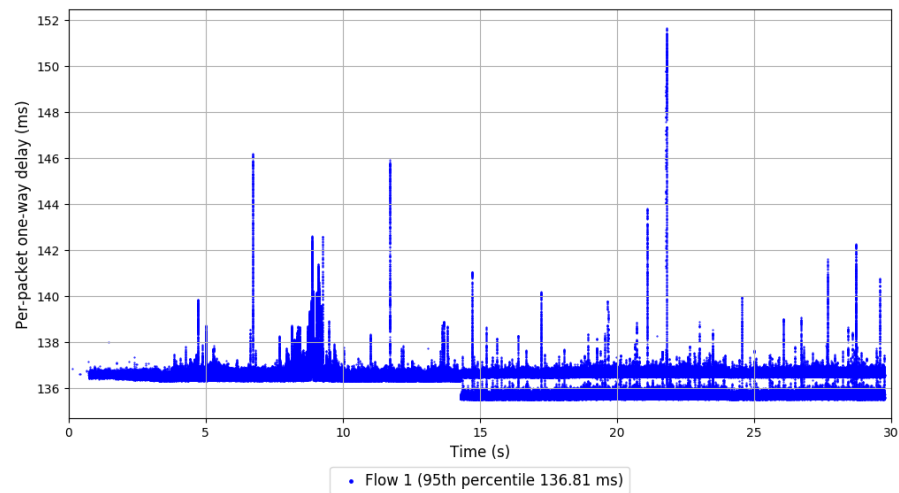
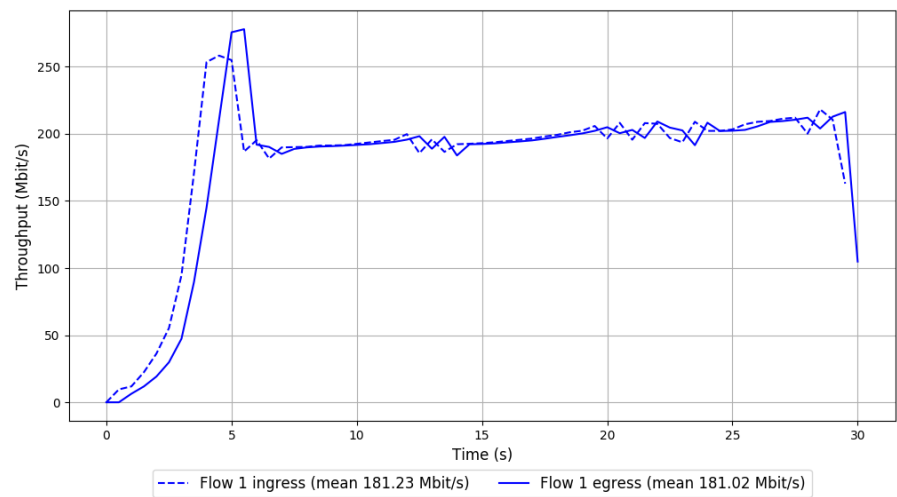
-- Flow 1:

Average throughput: 181.02 Mbit/s

95th percentile per-packet one-way delay: 136.805 ms

Loss rate: 1.03%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

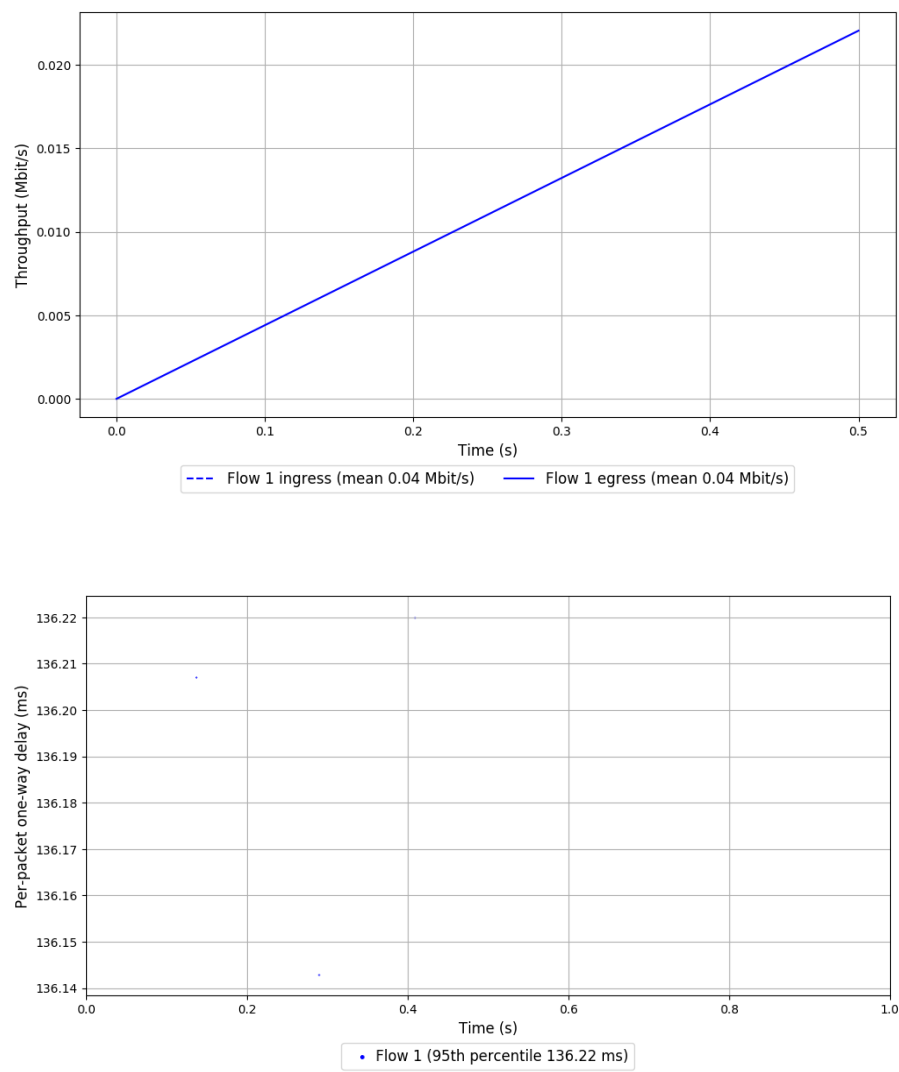
Start at: 2018-08-11 14:36:36

End at: 2018-08-11 14:37:06

Local clock offset: -0.353 ms

Remote clock offset: -0.28 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

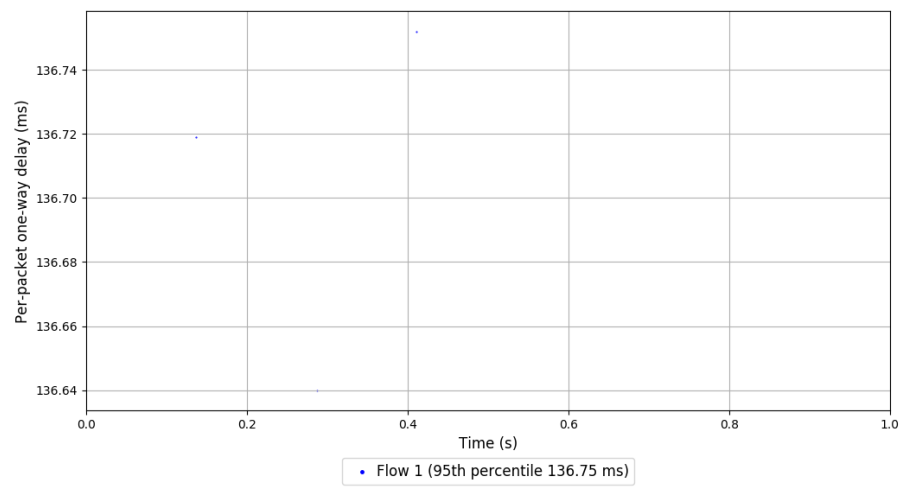
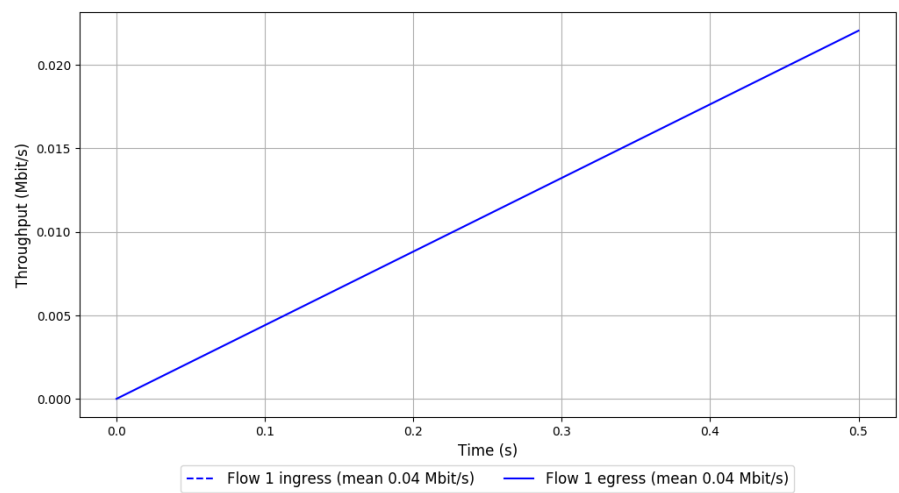
Start at: 2018-08-11 14:59:57

End at: 2018-08-11 15:00:27

Local clock offset: -0.243 ms

Remote clock offset: -0.505 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

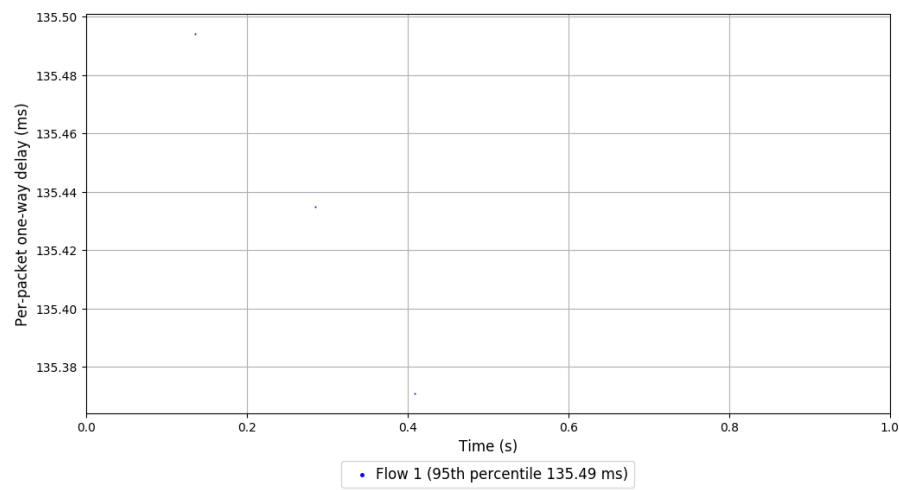
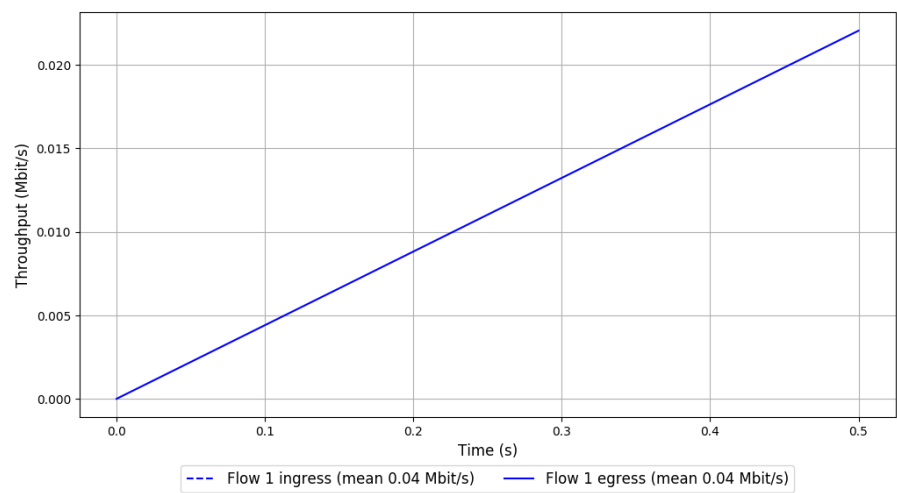
Start at: 2018-08-11 15:24:03

End at: 2018-08-11 15:24:33

Local clock offset: -0.465 ms

Remote clock offset: 0.157 ms

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

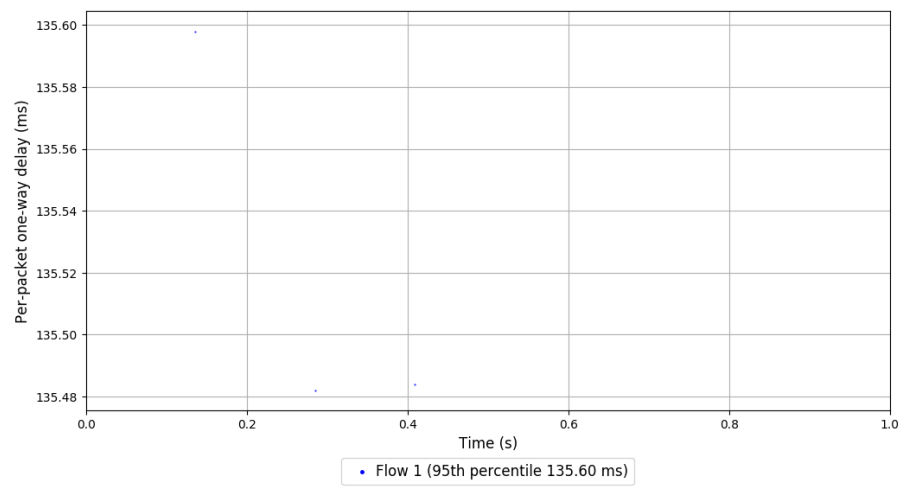
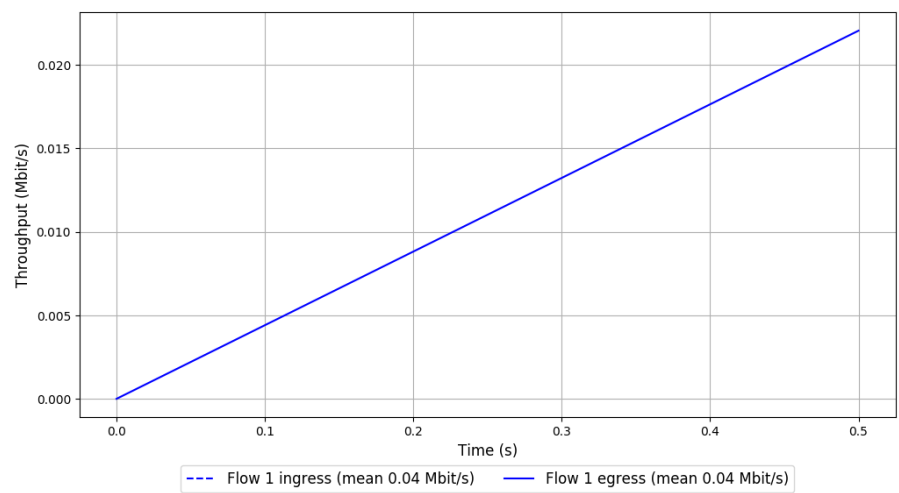
Start at: 2018-08-11 15:48:06

End at: 2018-08-11 15:48:36

Local clock offset: -0.563 ms

Remote clock offset: -0.162 ms

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

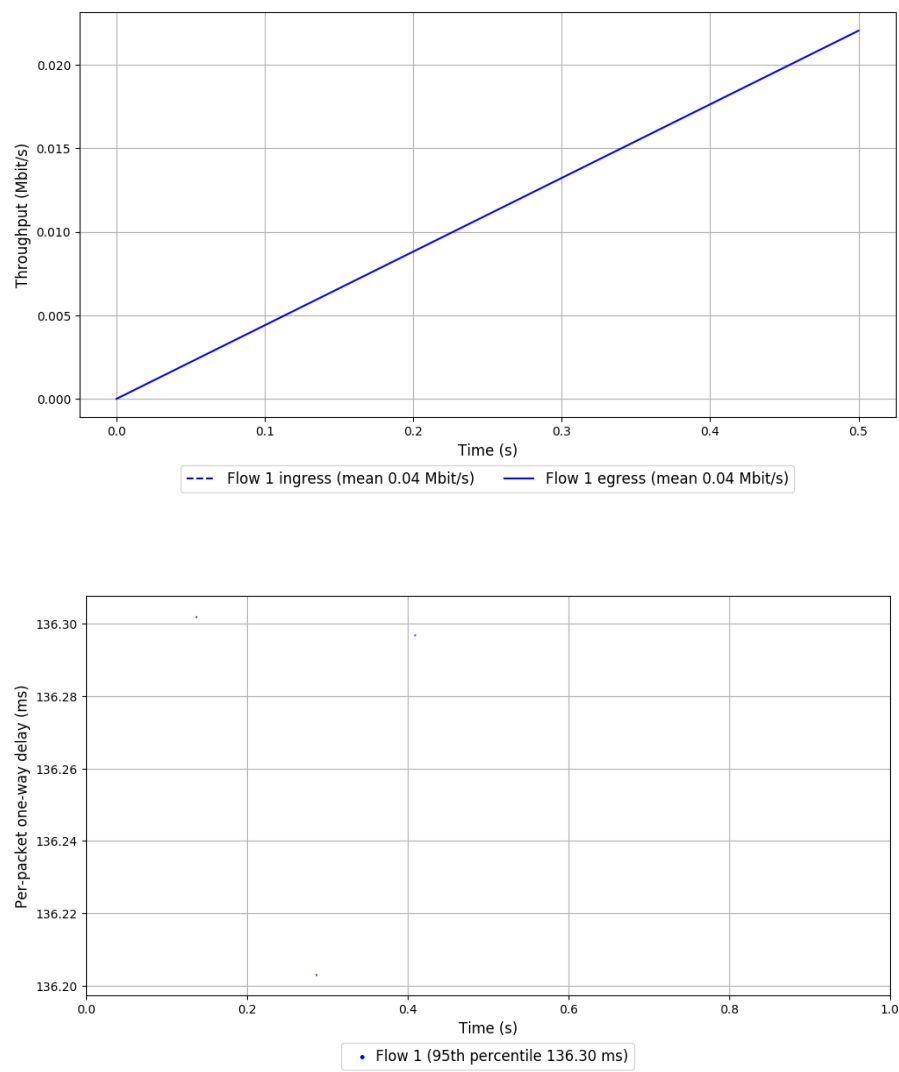
Start at: 2018-08-11 16:11:41

End at: 2018-08-11 16:12:11

Local clock offset: -0.391 ms

Remote clock offset: -0.12 ms

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

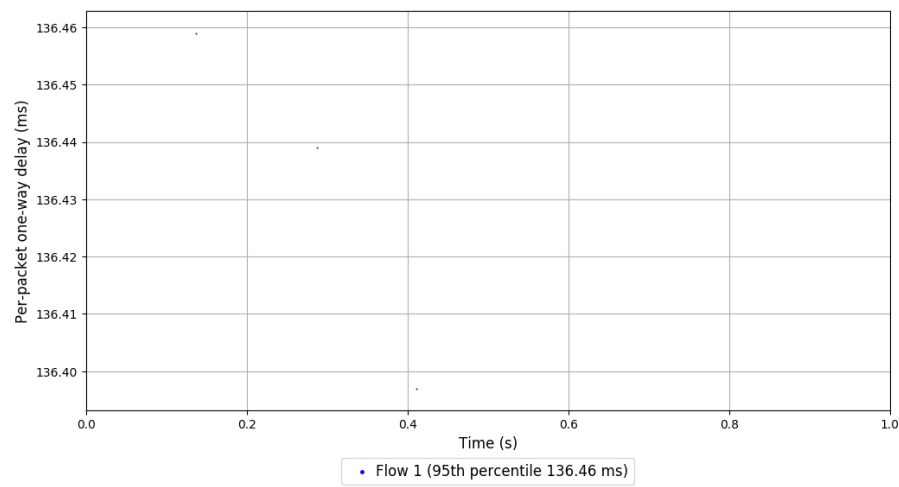
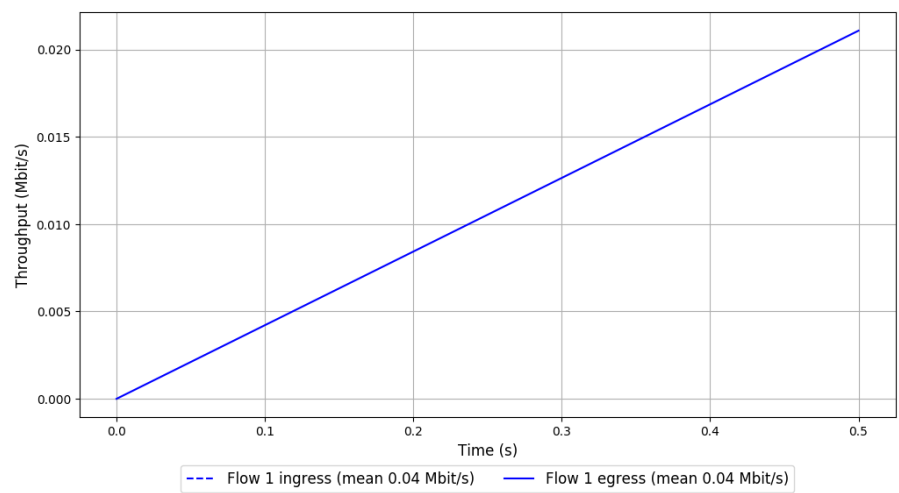
Start at: 2018-08-11 16:35:31

End at: 2018-08-11 16:36:01

Local clock offset: -0.734 ms

Remote clock offset: -0.222 ms

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

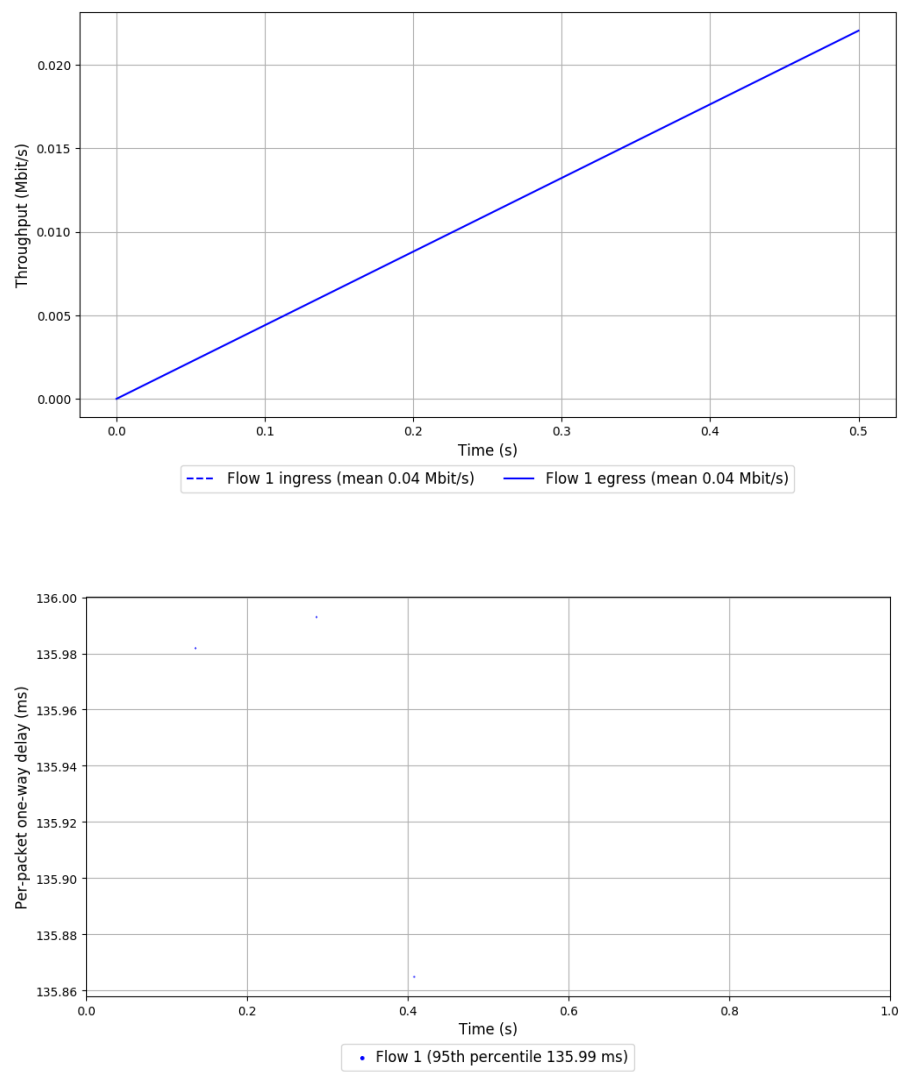
Start at: 2018-08-11 16:59:16

End at: 2018-08-11 16:59:46

Local clock offset: -0.921 ms

Remote clock offset: 0.105 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

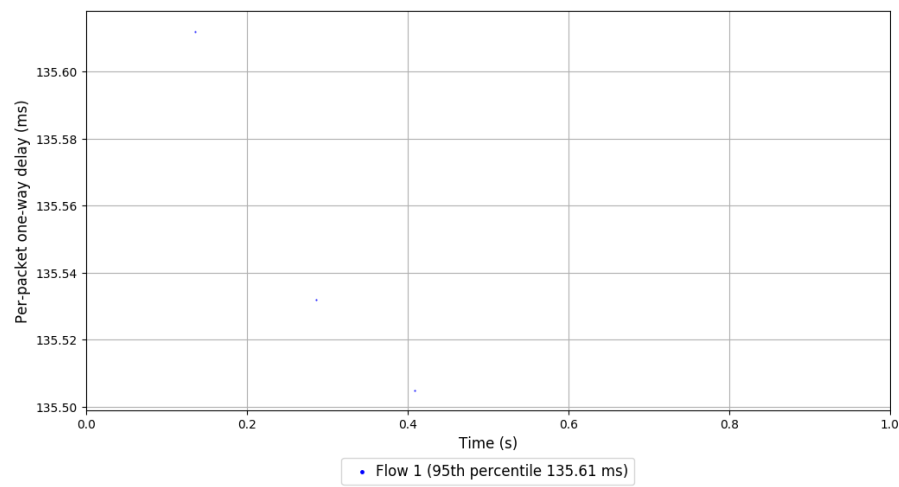
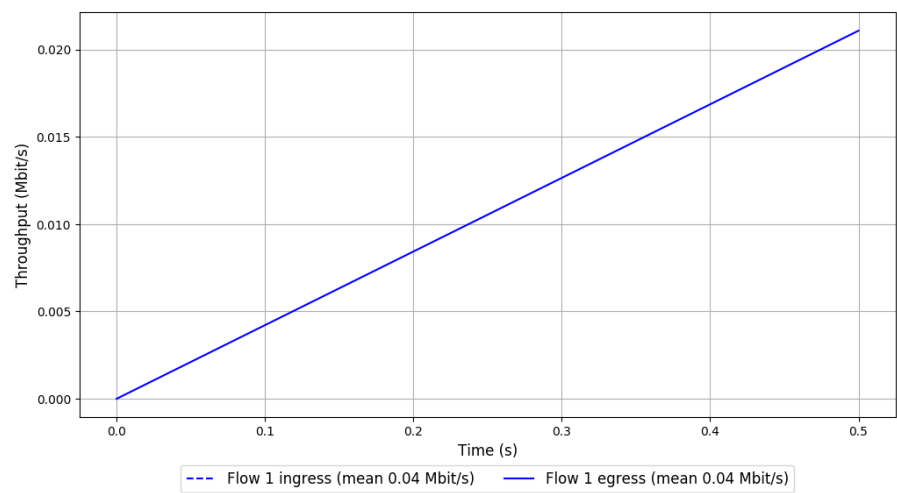
Start at: 2018-08-11 17:22:39

End at: 2018-08-11 17:23:09

Local clock offset: -0.823 ms

Remote clock offset: -0.214 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

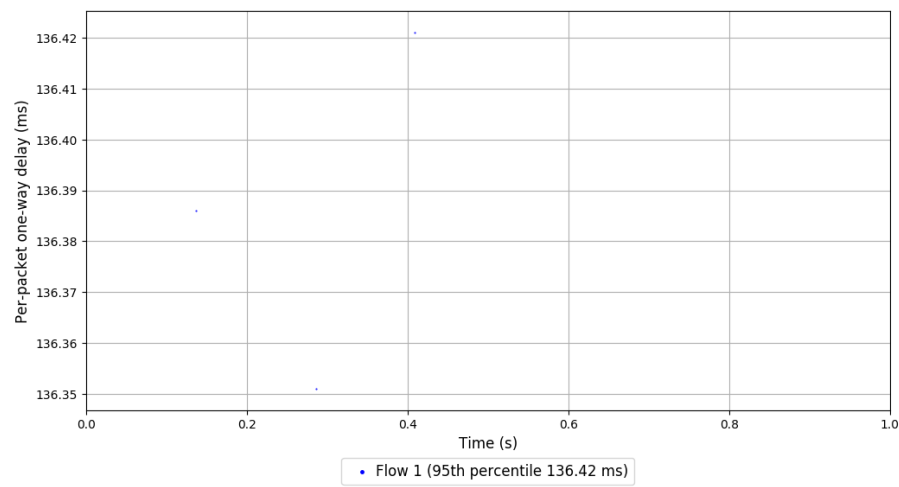
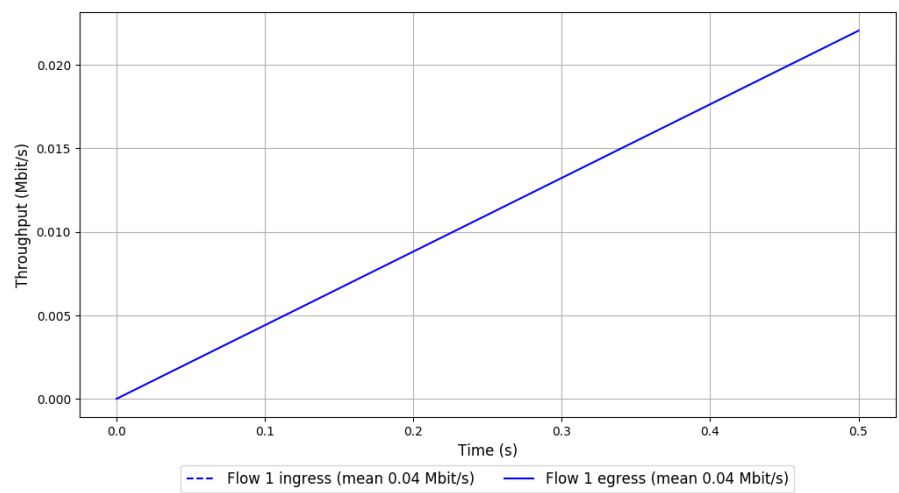
Start at: 2018-08-11 17:46:23

End at: 2018-08-11 17:46:53

Local clock offset: 0.211 ms

Remote clock offset: -0.549 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

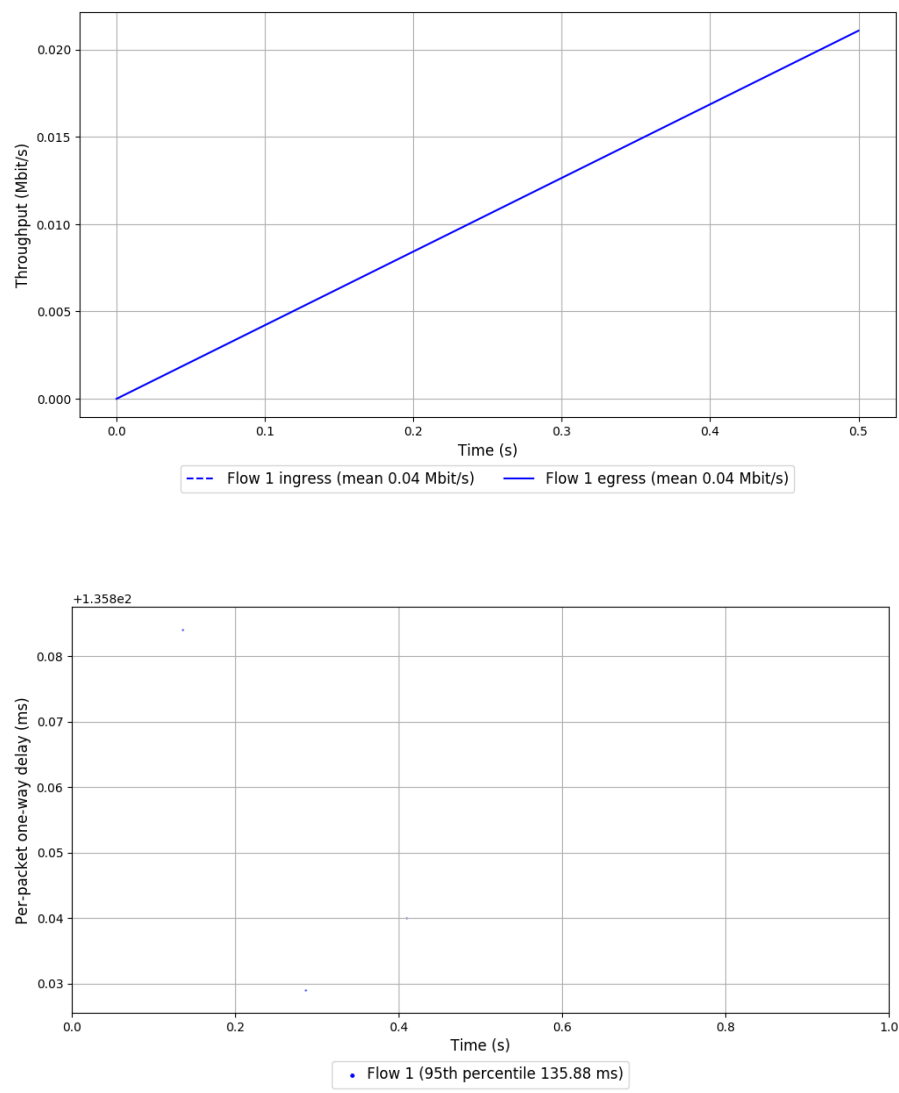
Start at: 2018-08-11 18:09:43

End at: 2018-08-11 18:10:13

Local clock offset: 0.29 ms

Remote clock offset: -0.227 ms

Run 10: Report of QUIC Cubic — Data Link

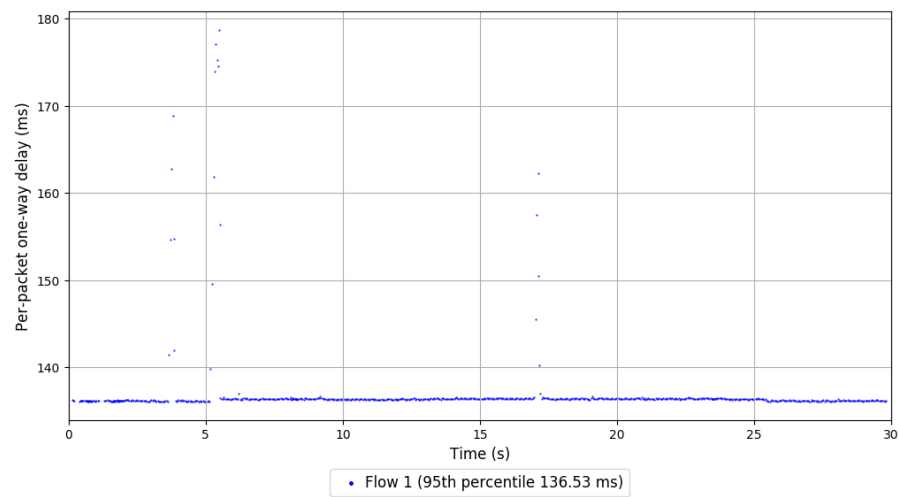
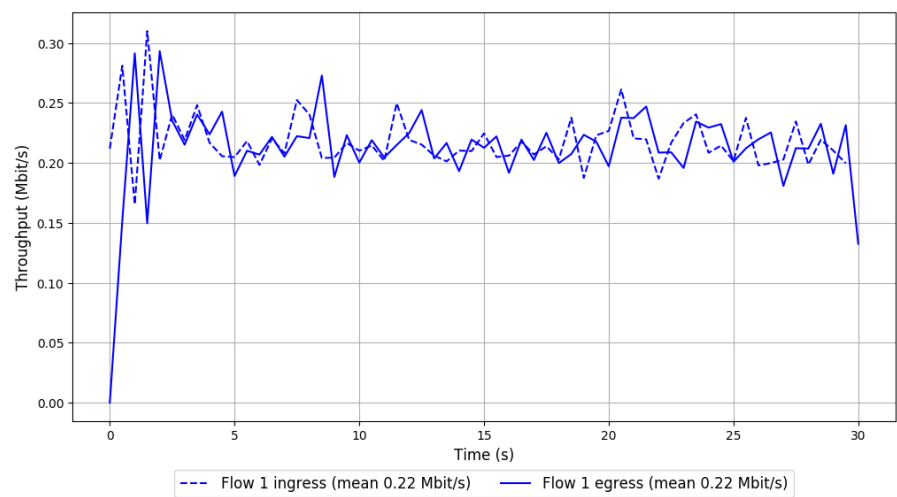


Run 1: Statistics of SCReAM

Start at: 2018-08-11 14:35:28
End at: 2018-08-11 14:35:58
Local clock offset: -0.108 ms
Remote clock offset: -0.287 ms

Below is generated by plot.py at 2018-08-11 20:09:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.531 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.531 ms
Loss rate: 0.89%

Run 1: Report of SReAM — Data Link

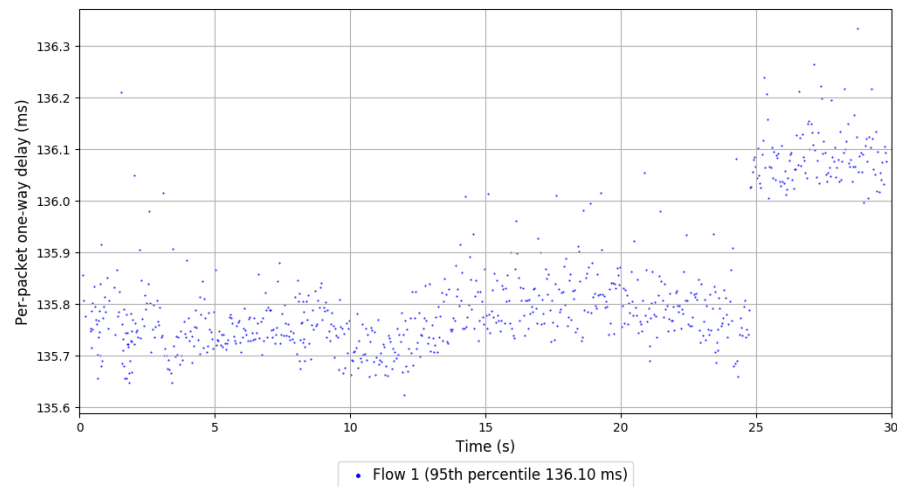
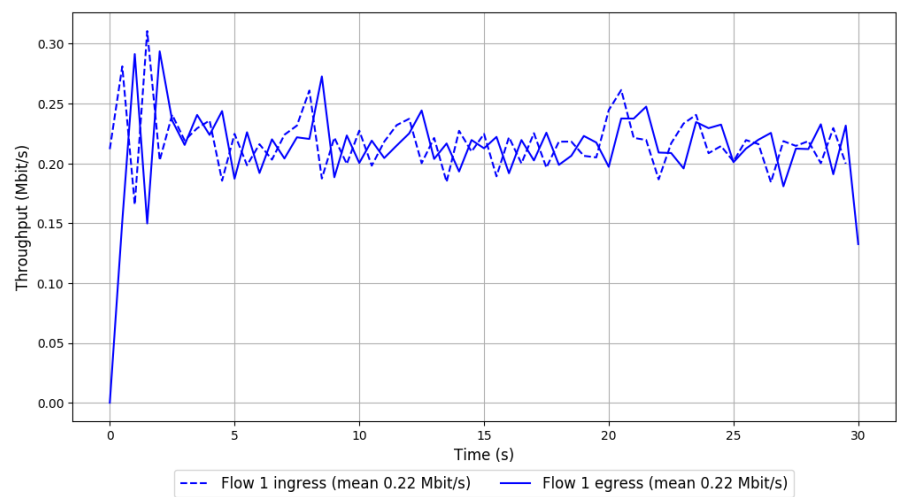


Run 2: Statistics of SCReAM

Start at: 2018-08-11 14:58:49
End at: 2018-08-11 14:59:19
Local clock offset: -0.261 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2018-08-11 20:09:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.103 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.103 ms
Loss rate: 0.89%

Run 2: Report of SReAM — Data Link

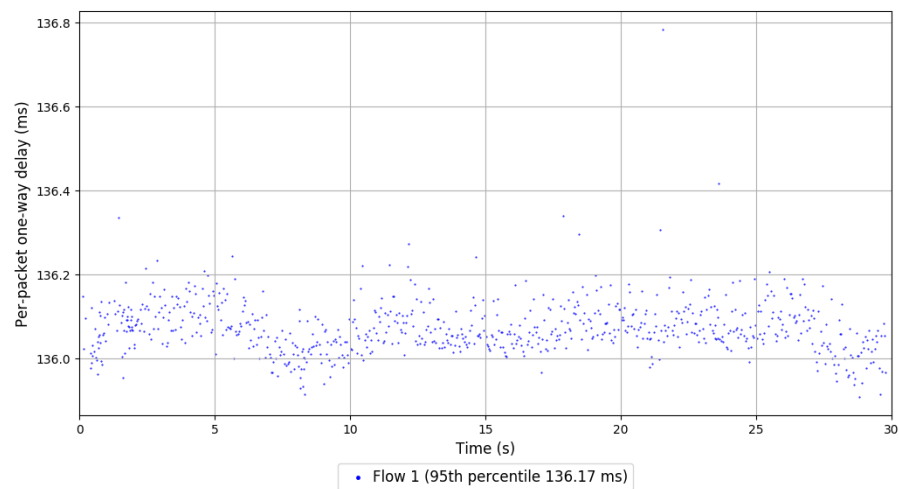
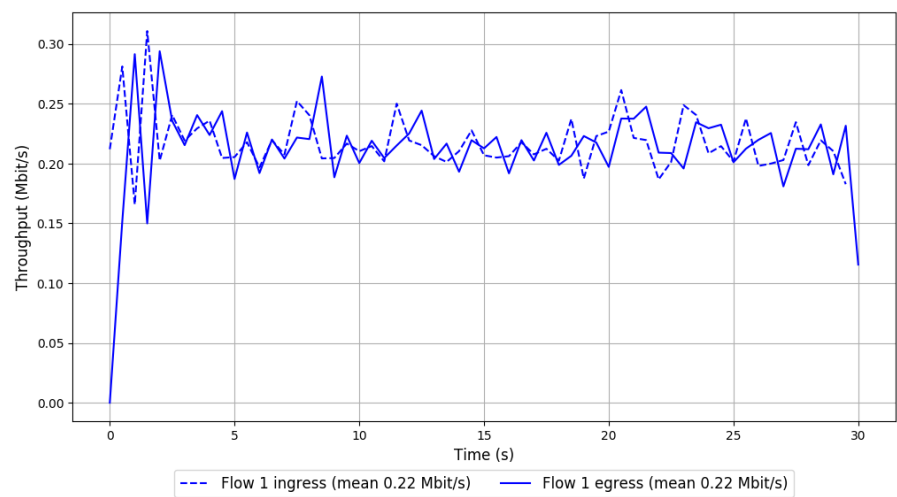


Run 3: Statistics of SCReAM

Start at: 2018-08-11 15:22:55
End at: 2018-08-11 15:23:25
Local clock offset: -0.497 ms
Remote clock offset: -0.246 ms

Below is generated by plot.py at 2018-08-11 20:09:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.173 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.173 ms
Loss rate: 0.89%

Run 3: Report of SReAM — Data Link

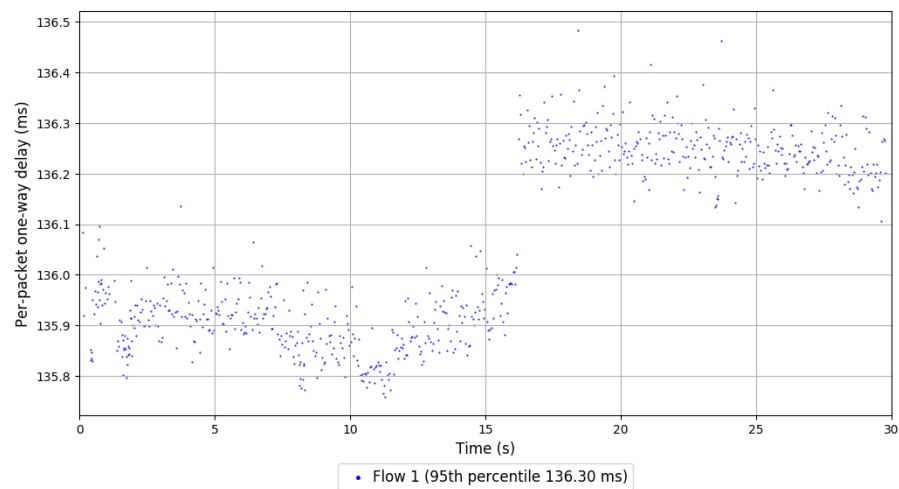
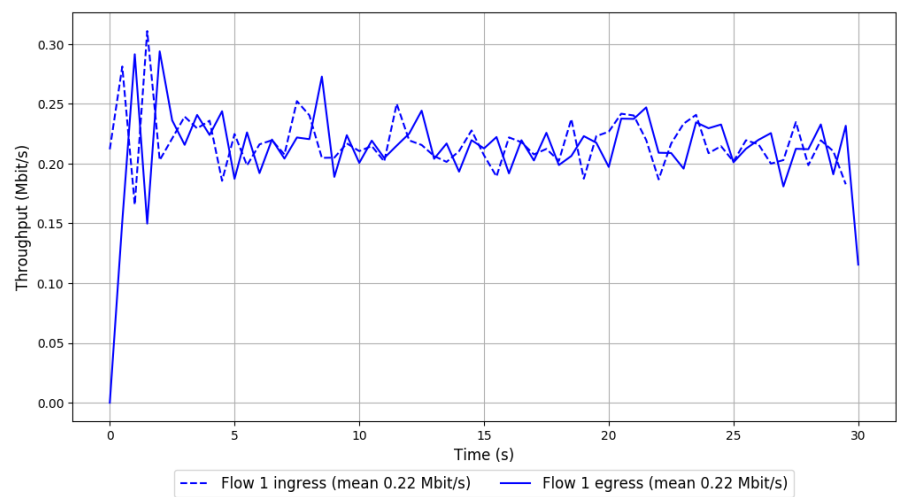


Run 4: Statistics of SReAM

Start at: 2018-08-11 15:46:57
End at: 2018-08-11 15:47:27
Local clock offset: -0.23 ms
Remote clock offset: -0.226 ms

Below is generated by plot.py at 2018-08-11 20:09:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.302 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.302 ms
Loss rate: 0.89%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-08-11 16:10:32

End at: 2018-08-11 16:11:02

Local clock offset: -0.491 ms

Remote clock offset: 0.2 ms

Below is generated by plot.py at 2018-08-11 20:09:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.598 ms

Loss rate: 0.76%

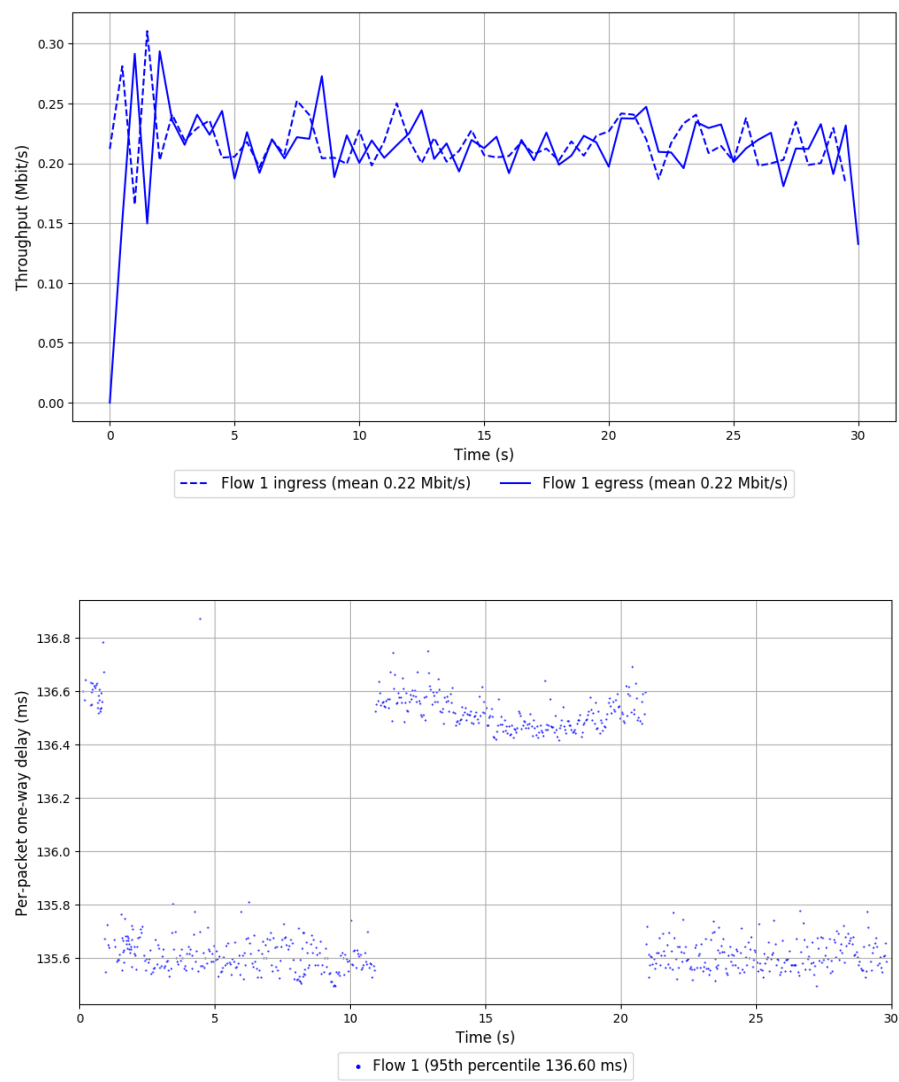
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.598 ms

Loss rate: 0.76%

Run 5: Report of SReAM — Data Link

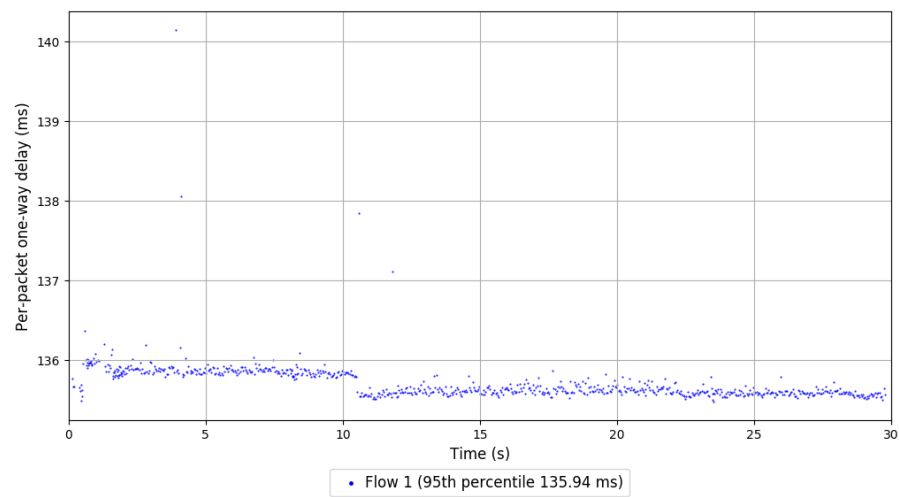
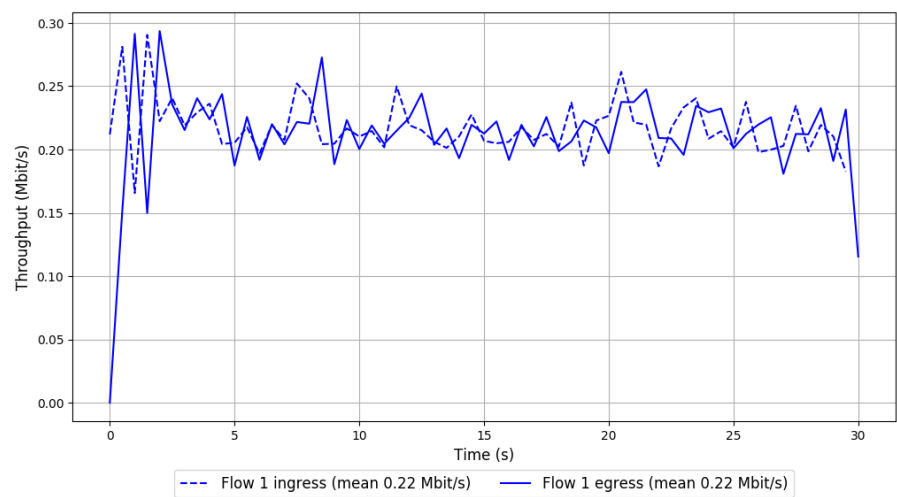


Run 6: Statistics of SCReAM

Start at: 2018-08-11 16:34:23
End at: 2018-08-11 16:34:53
Local clock offset: -0.682 ms
Remote clock offset: -0.179 ms

Below is generated by plot.py at 2018-08-11 20:09:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.941 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.941 ms
Loss rate: 0.89%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-08-11 16:58:07

End at: 2018-08-11 16:58:37

Local clock offset: -0.52 ms

Remote clock offset: -0.22 ms

Below is generated by plot.py at 2018-08-11 20:09:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.127 ms

Loss rate: 0.89%

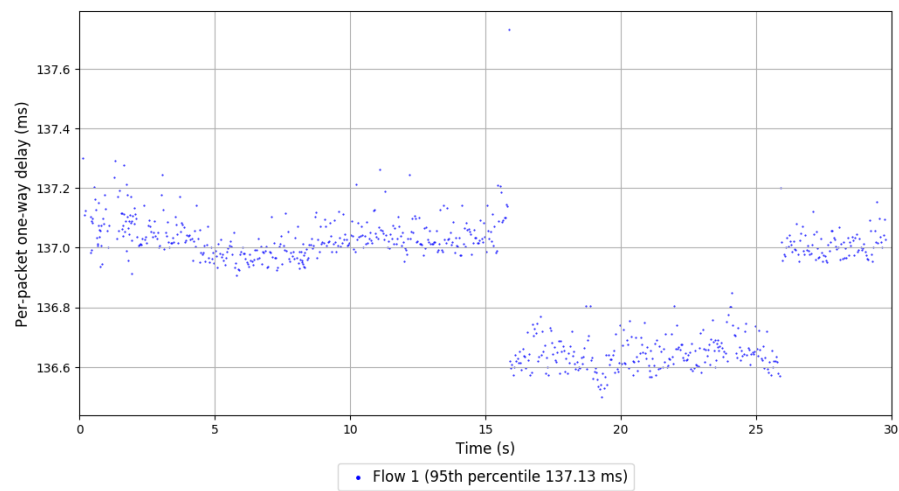
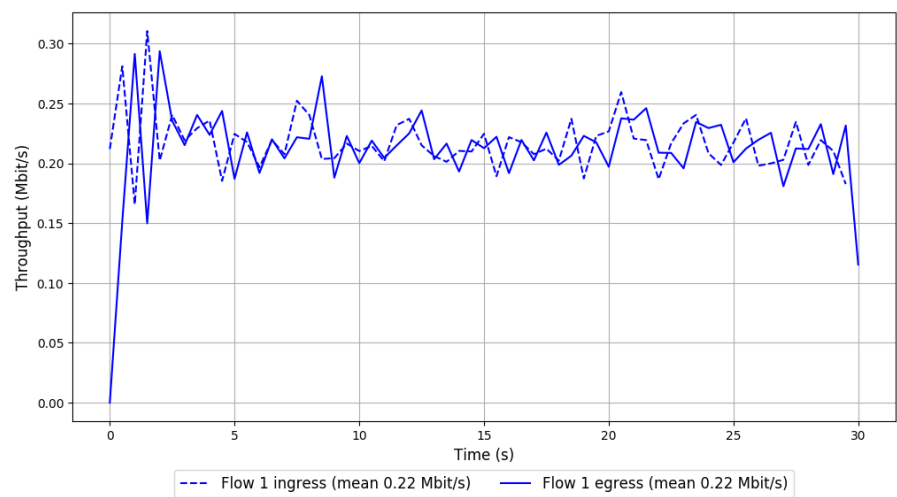
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.127 ms

Loss rate: 0.89%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-08-11 17:21:31

End at: 2018-08-11 17:22:01

Local clock offset: -0.879 ms

Remote clock offset: 0.173 ms

Below is generated by plot.py at 2018-08-11 20:09:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.091 ms

Loss rate: 0.89%

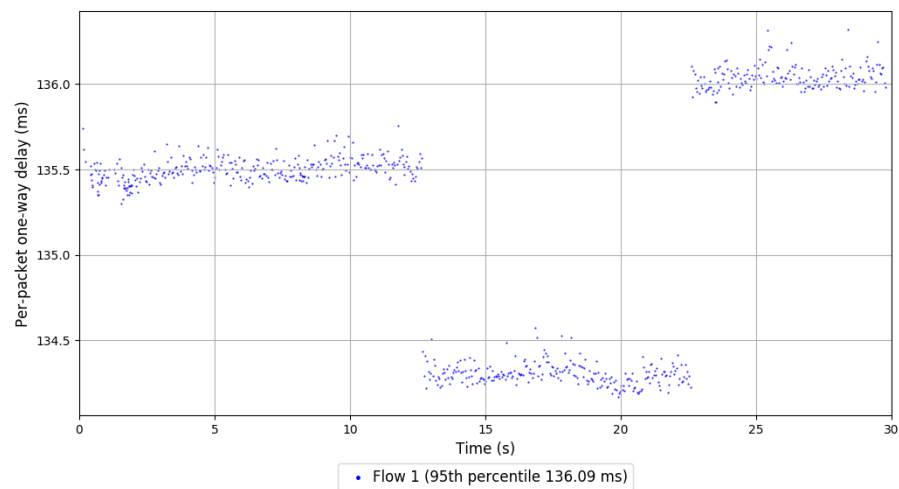
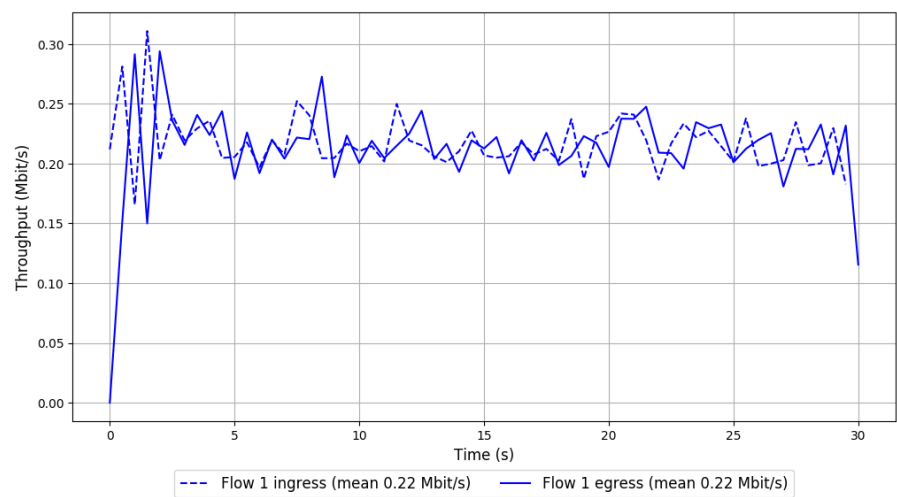
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.091 ms

Loss rate: 0.89%

Run 8: Report of SReAM — Data Link

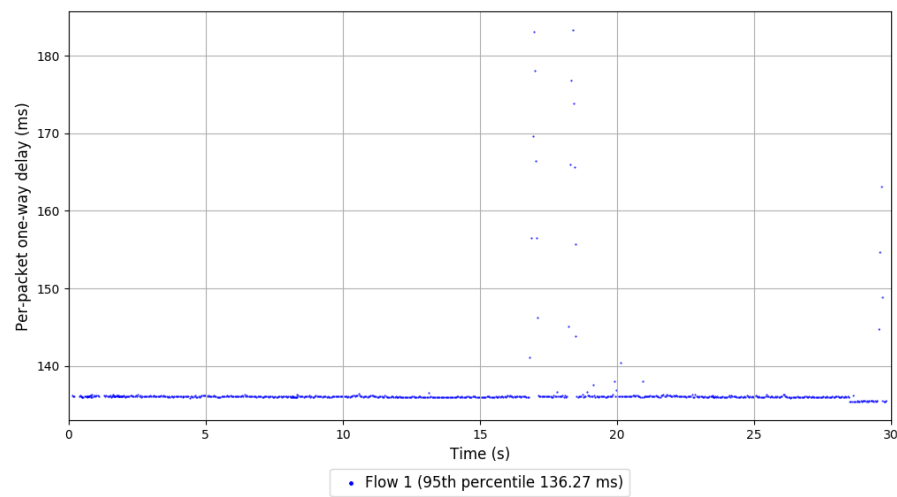
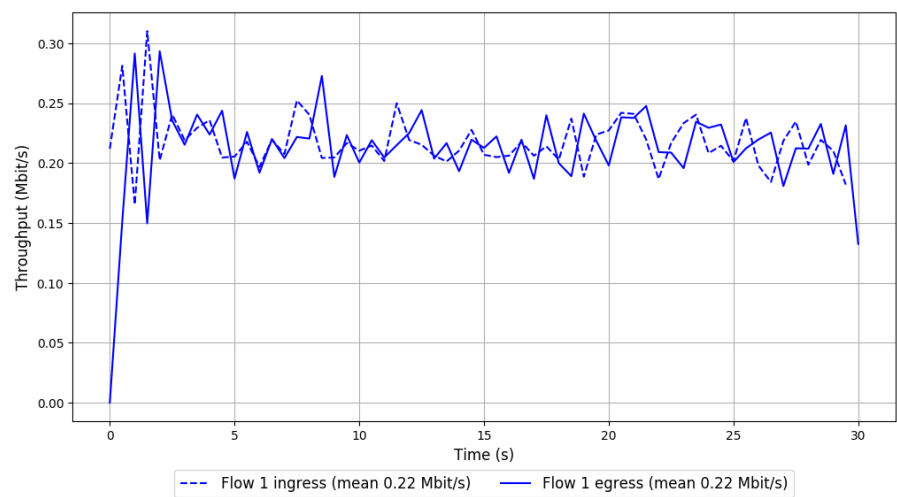


Run 9: Statistics of SCReAM

Start at: 2018-08-11 17:45:15
End at: 2018-08-11 17:45:45
Local clock offset: -0.003 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2018-08-11 20:09:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.271 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.271 ms
Loss rate: 0.76%

Run 9: Report of SReAM — Data Link

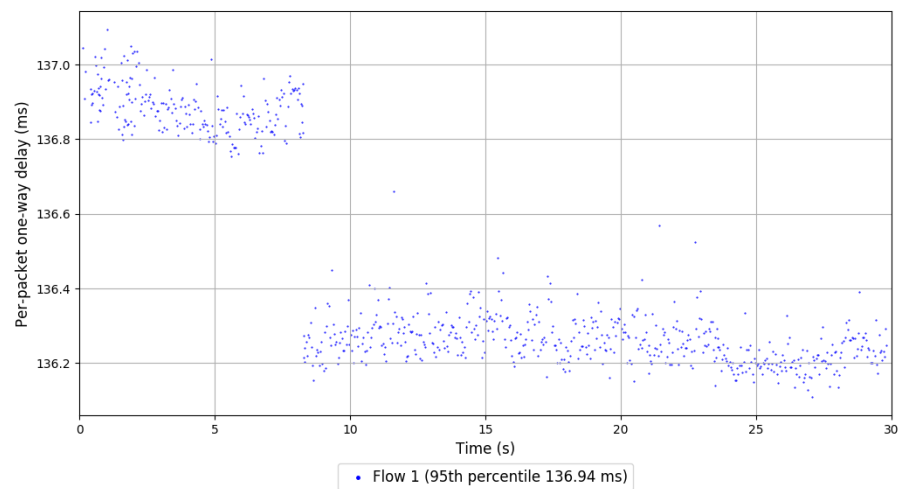
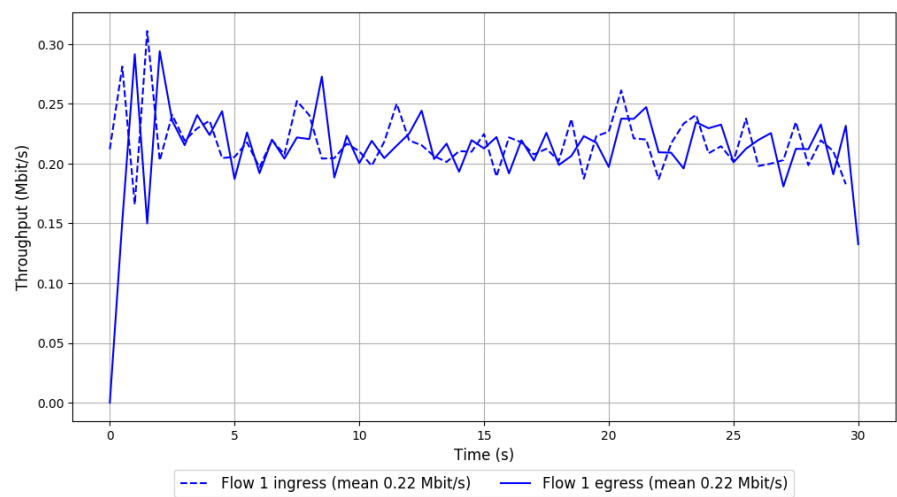


Run 10: Statistics of SReAM

Start at: 2018-08-11 18:08:35
End at: 2018-08-11 18:09:05
Local clock offset: 0.514 ms
Remote clock offset: -0.205 ms

Below is generated by plot.py at 2018-08-11 20:09:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.940 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.940 ms
Loss rate: 0.76%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-08-11 14:41:54

End at: 2018-08-11 14:42:24

Local clock offset: -0.446 ms

Remote clock offset: 0.08 ms

Below is generated by plot.py at 2018-08-11 20:09:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 135.856 ms

Loss rate: 1.01%

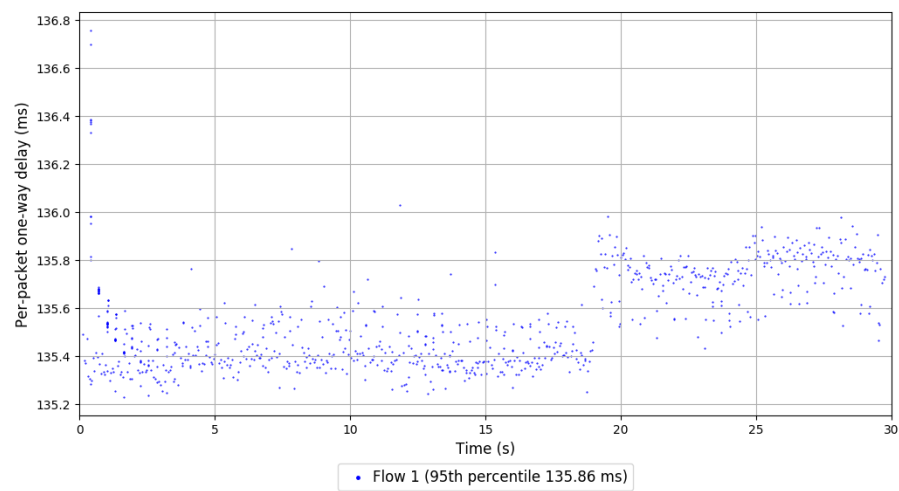
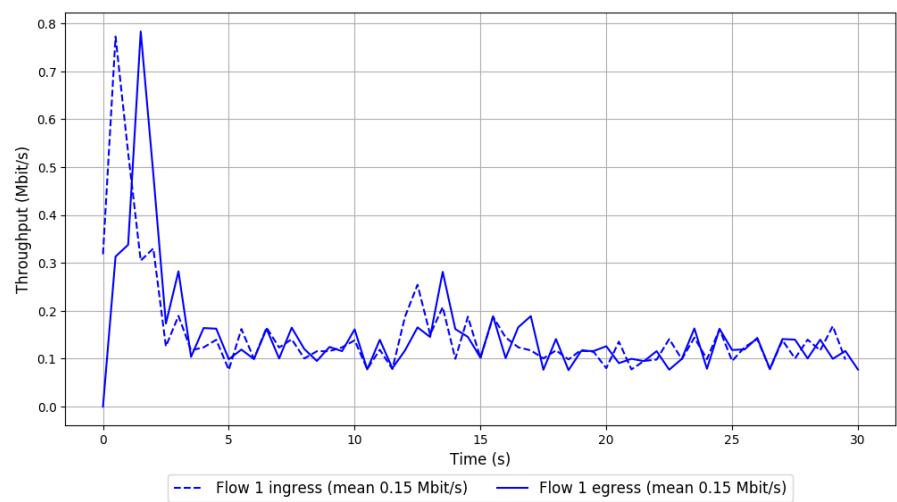
-- Flow 1:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 135.856 ms

Loss rate: 1.01%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-08-11 15:05:33

End at: 2018-08-11 15:06:03

Local clock offset: -0.432 ms

Remote clock offset: 0.157 ms

Below is generated by plot.py at 2018-08-11 20:09:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 135.928 ms

Loss rate: 0.77%

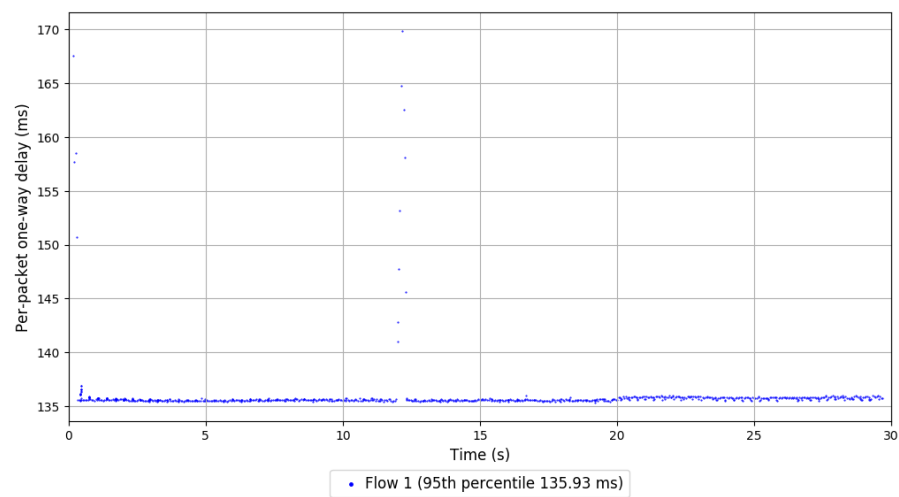
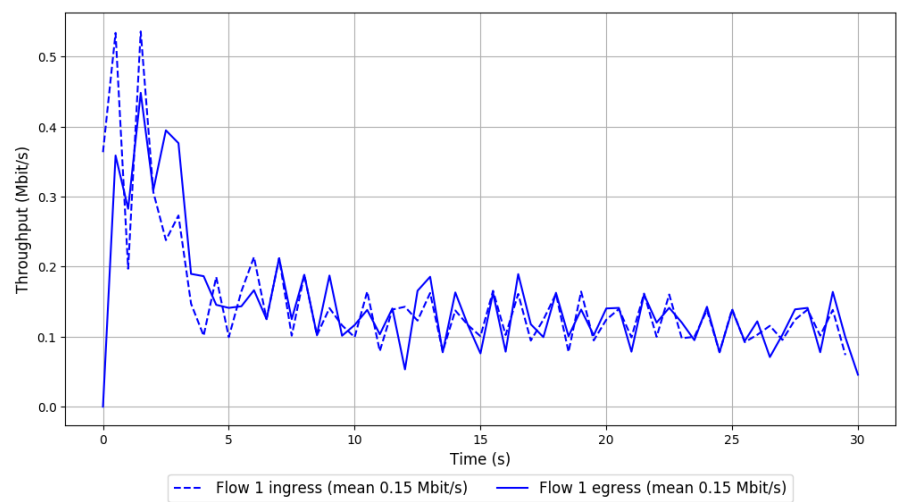
-- Flow 1:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 135.928 ms

Loss rate: 0.77%

Run 2: Report of Sprout — Data Link

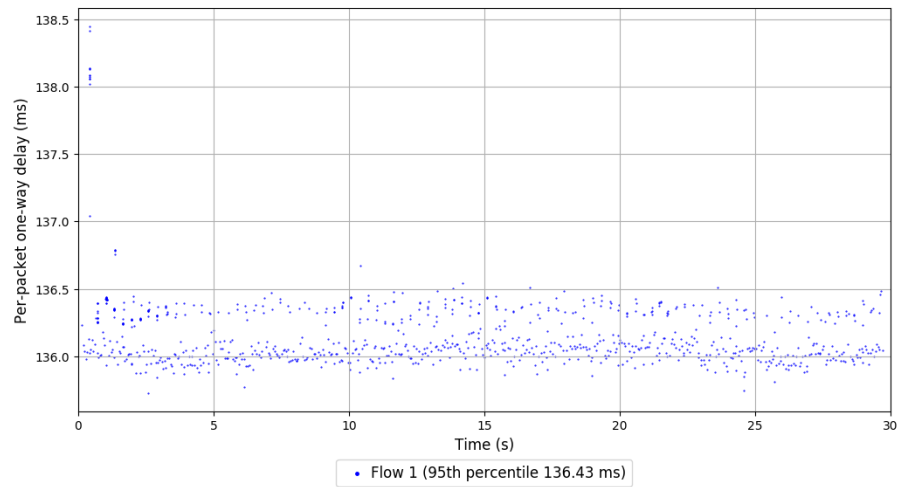
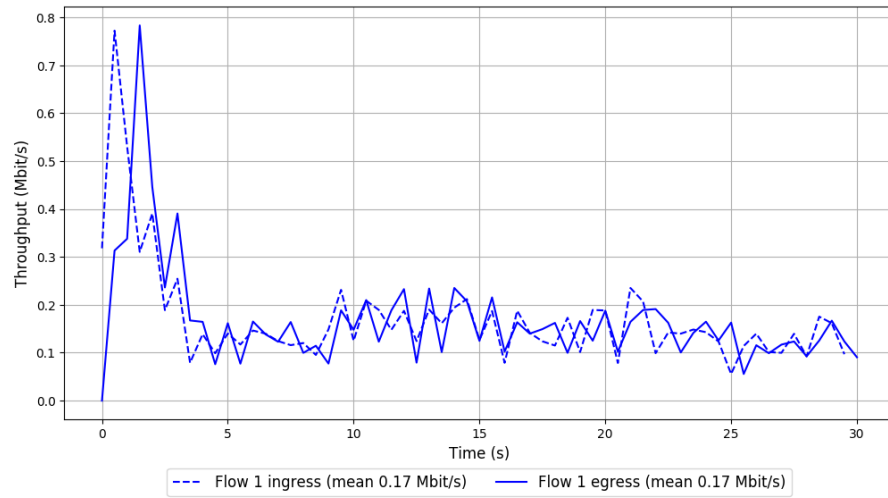


Run 3: Statistics of Sprout

Start at: 2018-08-11 15:29:37
End at: 2018-08-11 15:30:07
Local clock offset: -0.47 ms
Remote clock offset: -0.623 ms

Below is generated by plot.py at 2018-08-11 20:09:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.433 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.433 ms
Loss rate: 0.69%

Run 3: Report of Sprout — Data Link

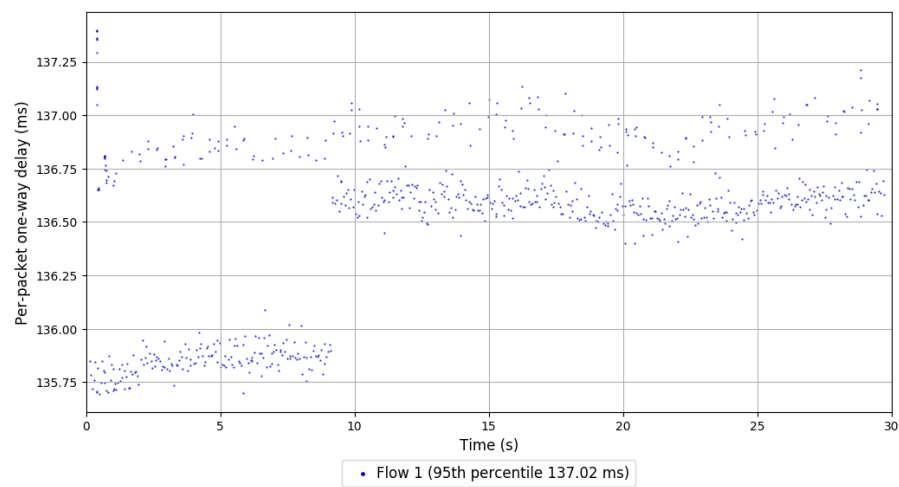
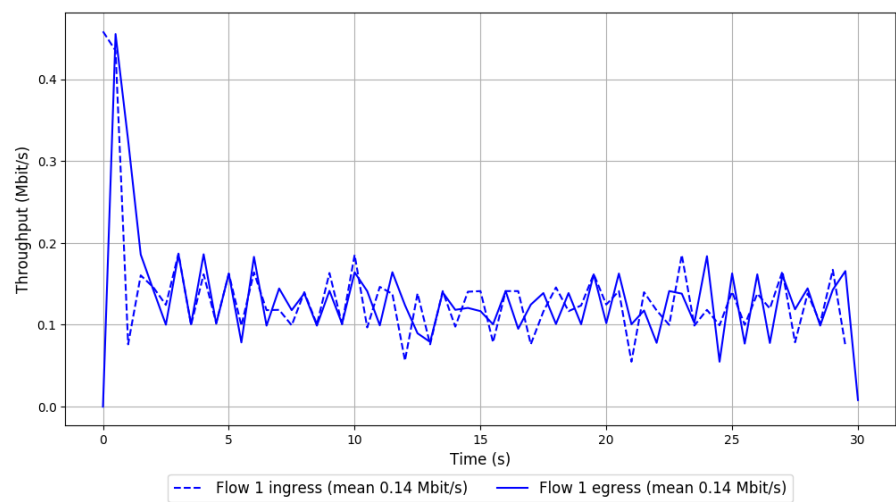


Run 4: Statistics of Sprout

Start at: 2018-08-11 15:53:44
End at: 2018-08-11 15:54:14
Local clock offset: -0.486 ms
Remote clock offset: -0.178 ms

Below is generated by plot.py at 2018-08-11 20:09:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 137.020 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 137.020 ms
Loss rate: 0.88%

Run 4: Report of Sprout — Data Link

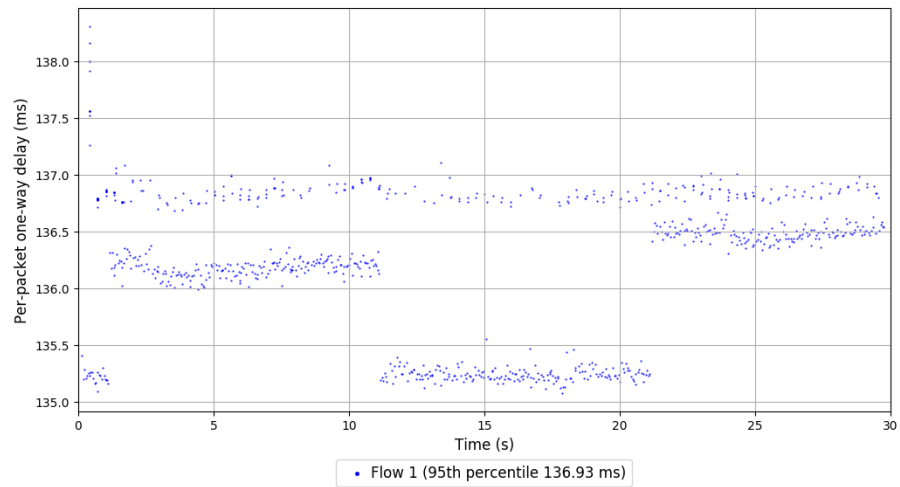
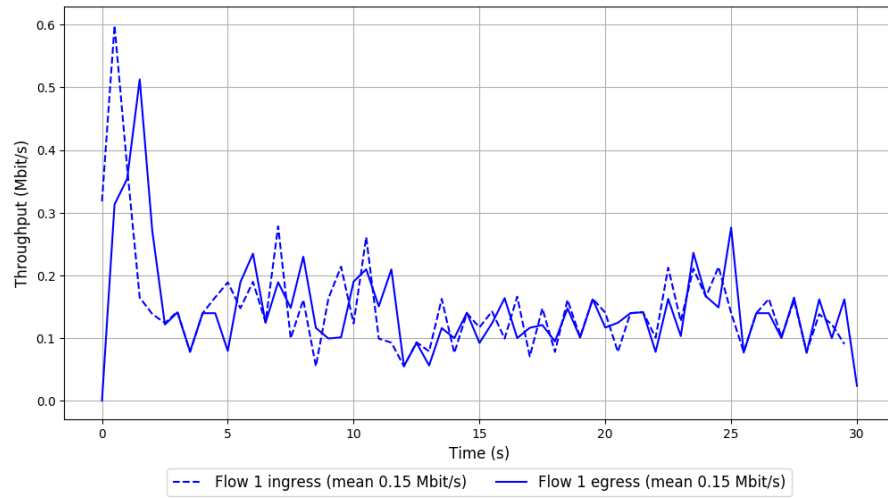


Run 5: Statistics of Sprout

Start at: 2018-08-11 16:17:22
End at: 2018-08-11 16:17:52
Local clock offset: -0.574 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-08-11 20:09:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.932 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.932 ms
Loss rate: 0.77%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-08-11 16:41:06

End at: 2018-08-11 16:41:36

Local clock offset: -0.721 ms

Remote clock offset: 0.171 ms

Below is generated by plot.py at 2018-08-11 20:09:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 135.704 ms

Loss rate: 0.83%

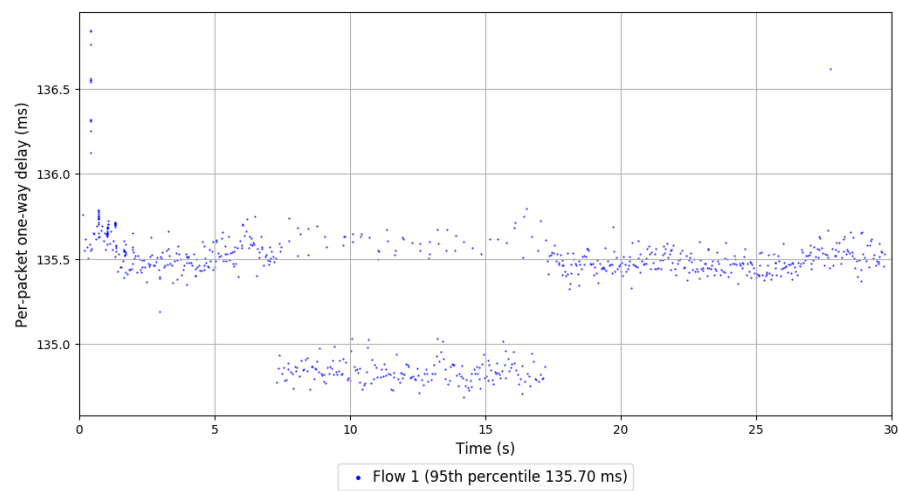
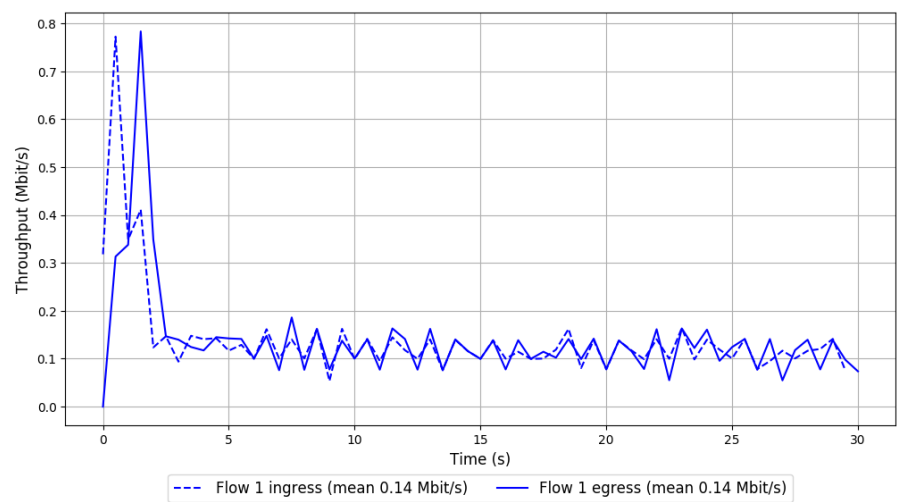
-- Flow 1:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 135.704 ms

Loss rate: 0.83%

Run 6: Report of Sprout — Data Link

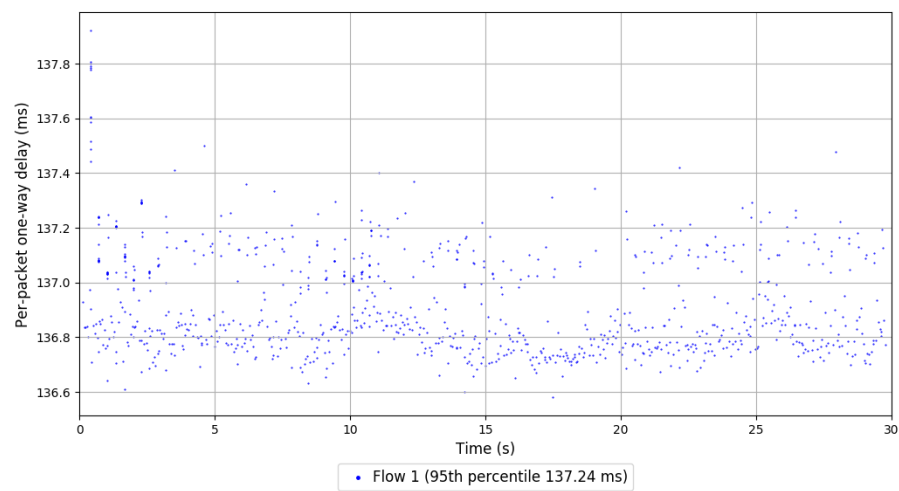
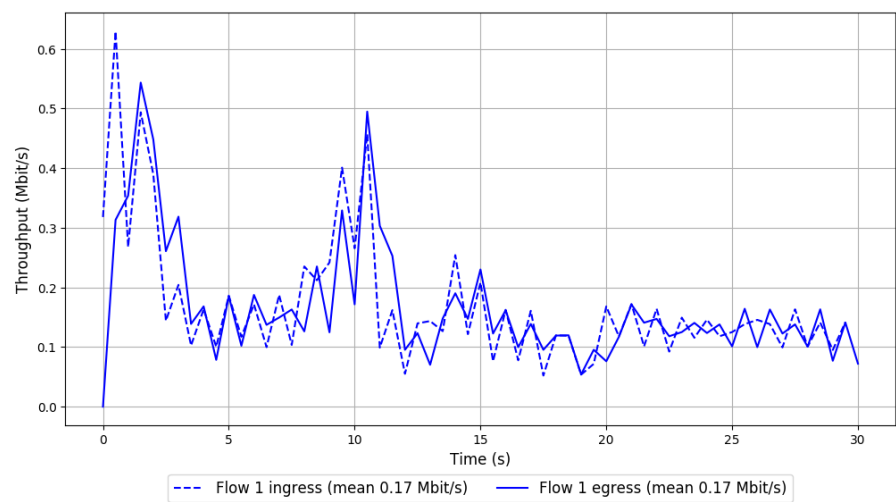


Run 7: Statistics of Sprout

Start at: 2018-08-11 17:04:35
End at: 2018-08-11 17:05:05
Local clock offset: -0.495 ms
Remote clock offset: -0.186 ms

Below is generated by plot.py at 2018-08-11 20:09:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 137.238 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 137.238 ms
Loss rate: 0.88%

Run 7: Report of Sprout — Data Link

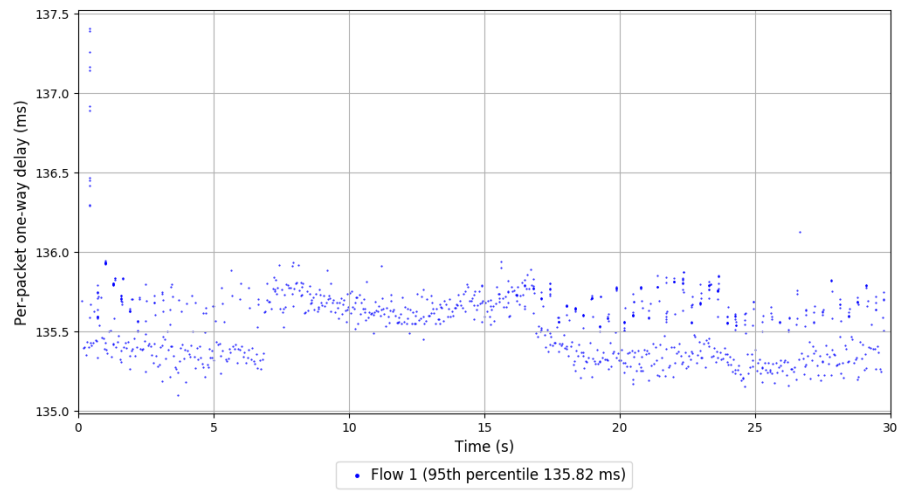
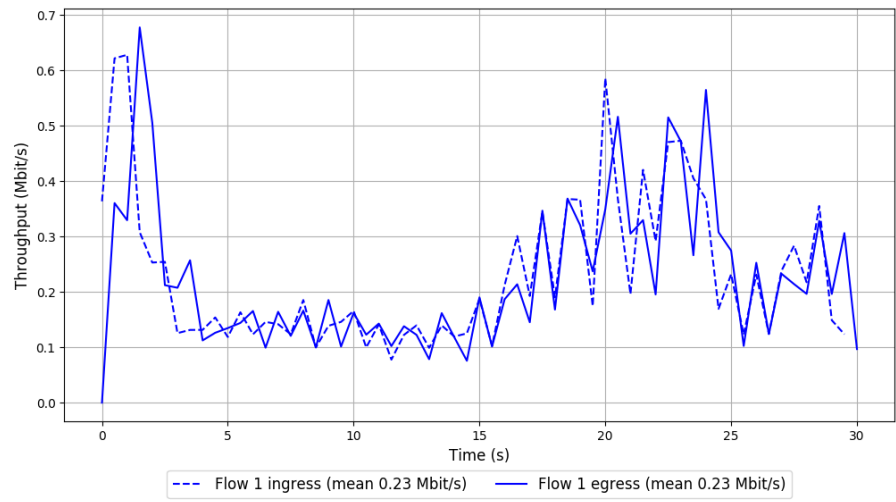


Run 8: Statistics of Sprout

Start at: 2018-08-11 17:28:16
End at: 2018-08-11 17:28:46
Local clock offset: -0.819 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-08-11 20:09:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 135.822 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 135.822 ms
Loss rate: 0.23%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-08-11 17:51:41

End at: 2018-08-11 17:52:11

Local clock offset: 0.321 ms

Remote clock offset: 0.25 ms

Below is generated by plot.py at 2018-08-11 20:09:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 136.639 ms

Loss rate: 0.98%

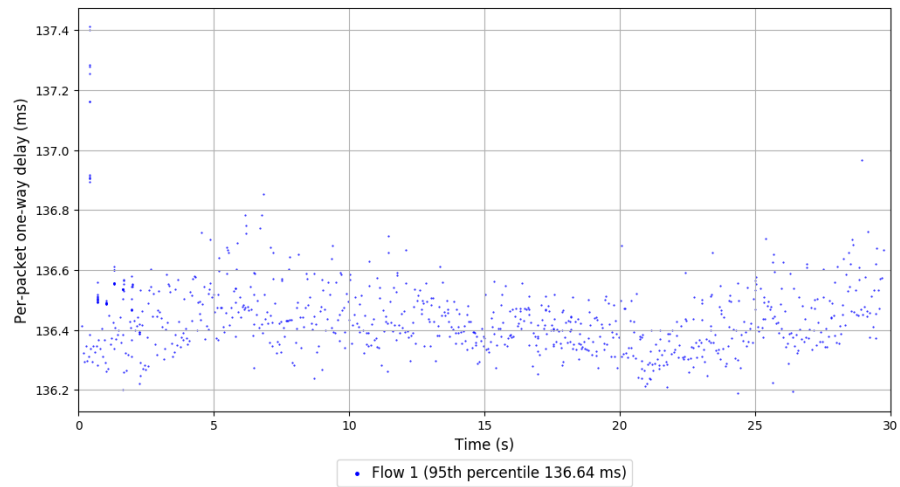
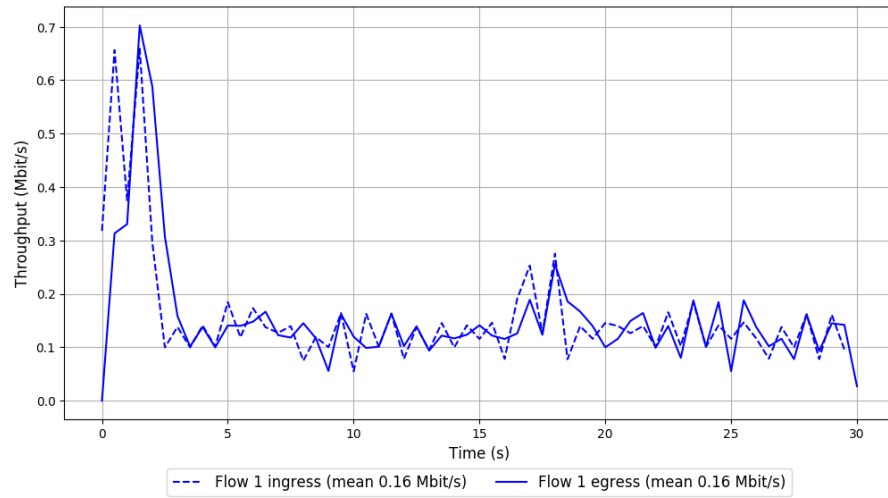
-- Flow 1:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 136.639 ms

Loss rate: 0.98%

Run 9: Report of Sprout — Data Link

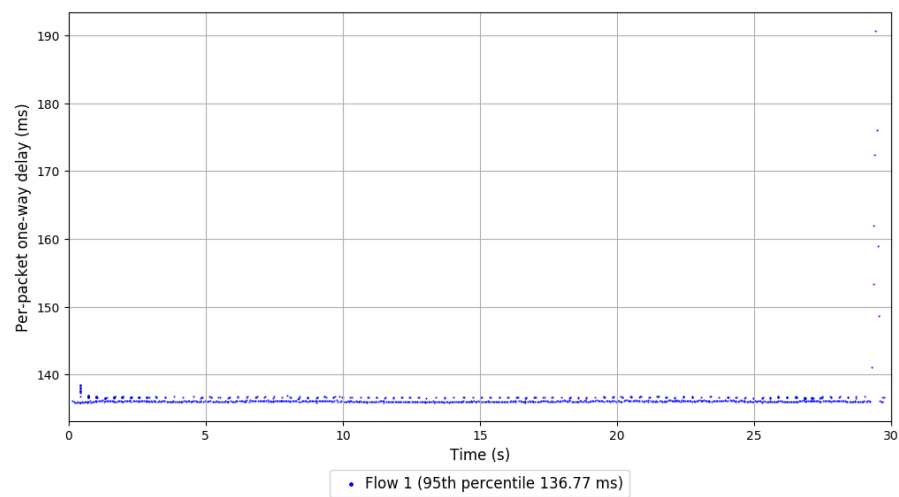
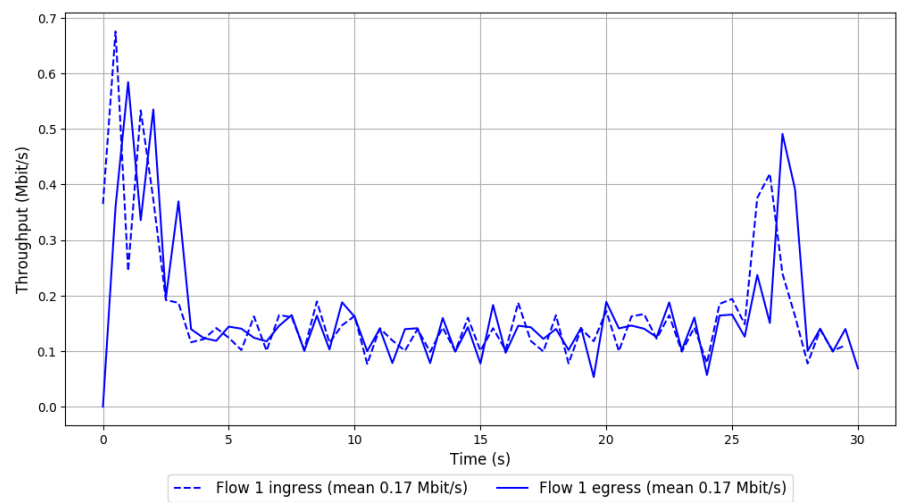


Run 10: Statistics of Sprout

Start at: 2018-08-11 18:15:02
End at: 2018-08-11 18:15:32
Local clock offset: 0.468 ms
Remote clock offset: -0.233 ms

Below is generated by plot.py at 2018-08-11 20:09:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.767 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.767 ms
Loss rate: 0.45%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-08-11 14:40:43

End at: 2018-08-11 14:41:13

Local clock offset: -0.484 ms

Remote clock offset: -0.254 ms

Below is generated by plot.py at 2018-08-11 20:09:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.22 Mbit/s

95th percentile per-packet one-way delay: 135.710 ms

Loss rate: 0.74%

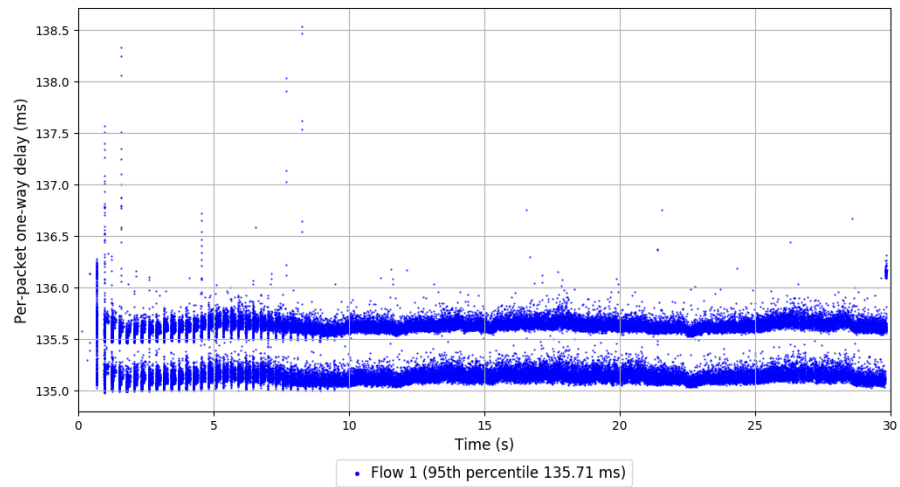
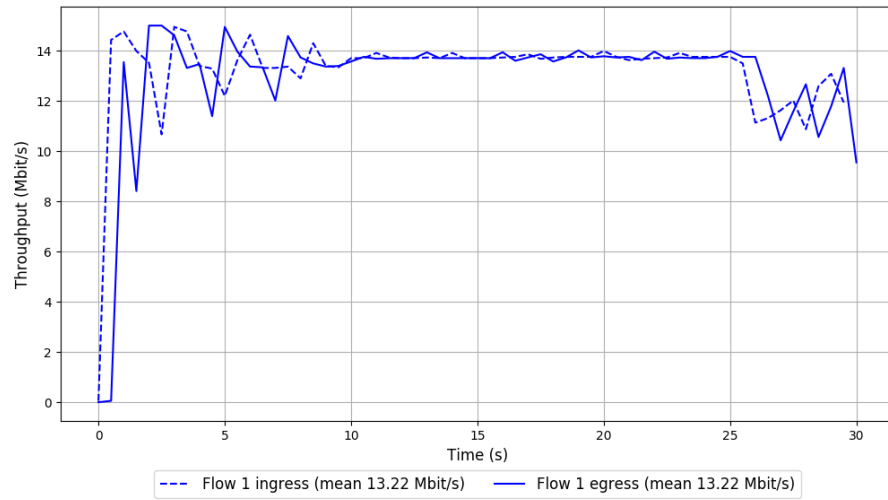
-- Flow 1:

Average throughput: 13.22 Mbit/s

95th percentile per-packet one-way delay: 135.710 ms

Loss rate: 0.74%

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

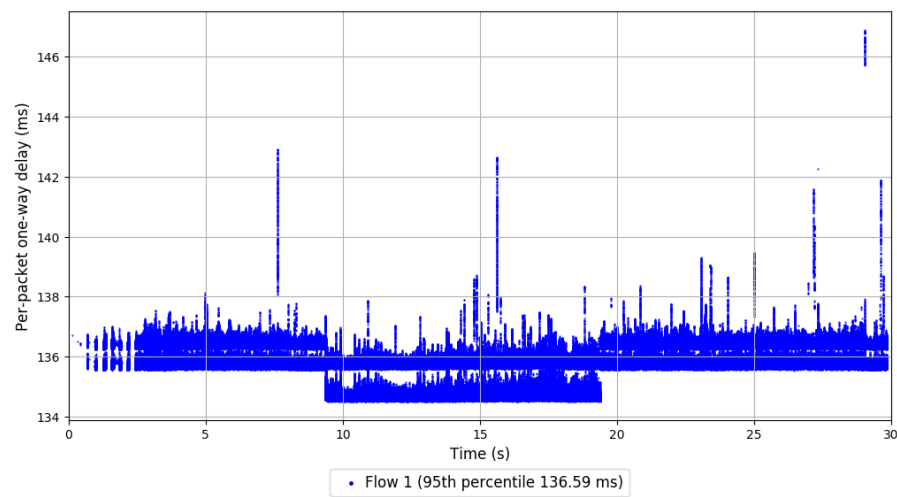
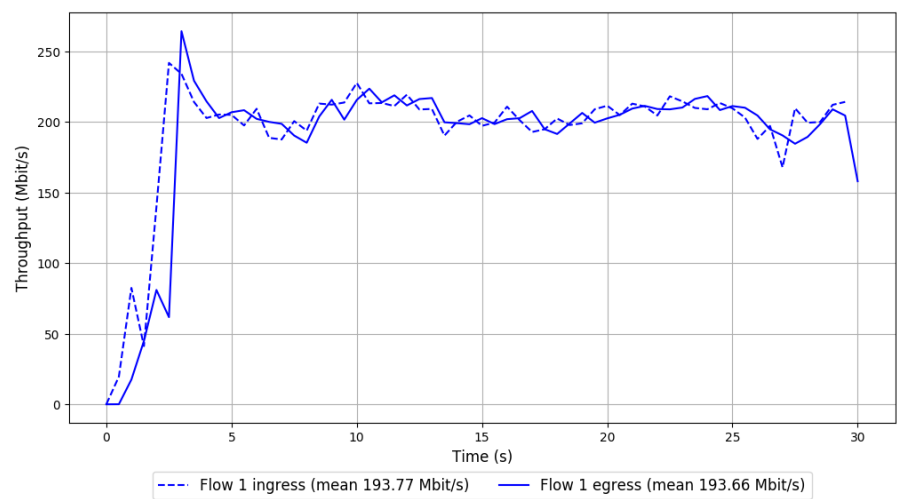


Run 2: Statistics of TaoVA-100x

Start at: 2018-08-11 15:04:04
End at: 2018-08-11 15:04:34
Local clock offset: -0.455 ms
Remote clock offset: -0.179 ms

Below is generated by plot.py at 2018-08-11 20:09:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 193.66 Mbit/s
95th percentile per-packet one-way delay: 136.594 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 193.66 Mbit/s
95th percentile per-packet one-way delay: 136.594 ms
Loss rate: 0.99%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-08-11 15:28:26

End at: 2018-08-11 15:28:56

Local clock offset: -0.362 ms

Remote clock offset: 0.078 ms

Below is generated by plot.py at 2018-08-11 20:09:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.35 Mbit/s

95th percentile per-packet one-way delay: 135.808 ms

Loss rate: 0.93%

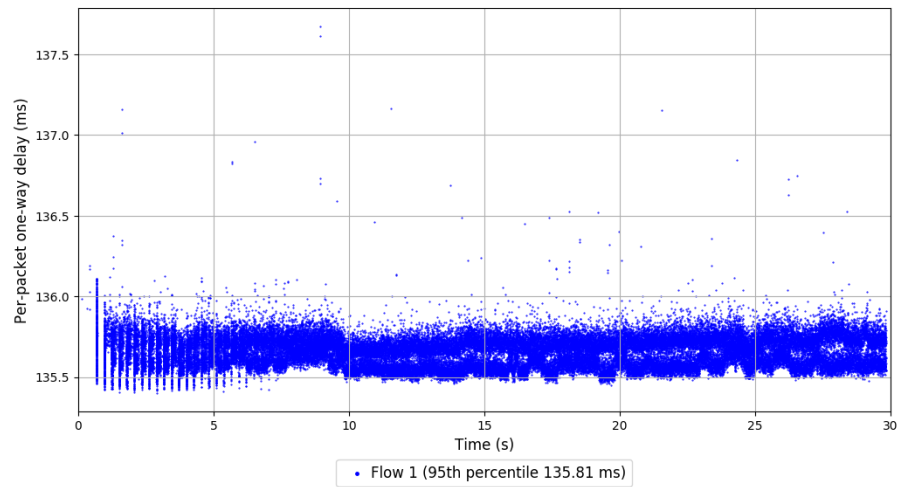
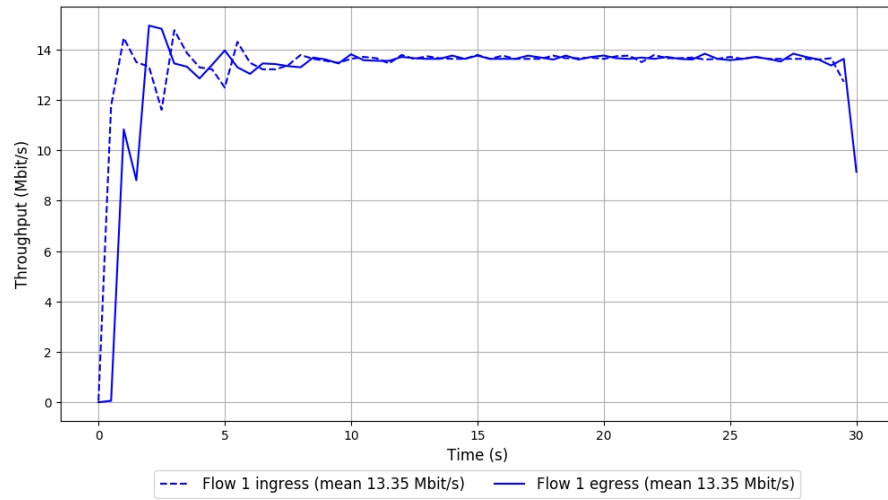
-- Flow 1:

Average throughput: 13.35 Mbit/s

95th percentile per-packet one-way delay: 135.808 ms

Loss rate: 0.93%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-08-11 15:52:14

End at: 2018-08-11 15:52:44

Local clock offset: -0.432 ms

Remote clock offset: -0.547 ms

Below is generated by plot.py at 2018-08-11 20:10:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 203.15 Mbit/s

95th percentile per-packet one-way delay: 137.391 ms

Loss rate: 1.01%

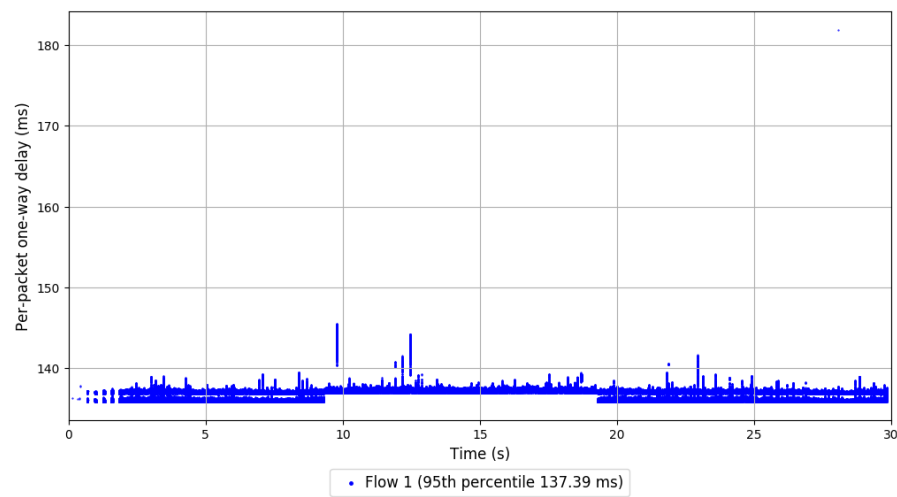
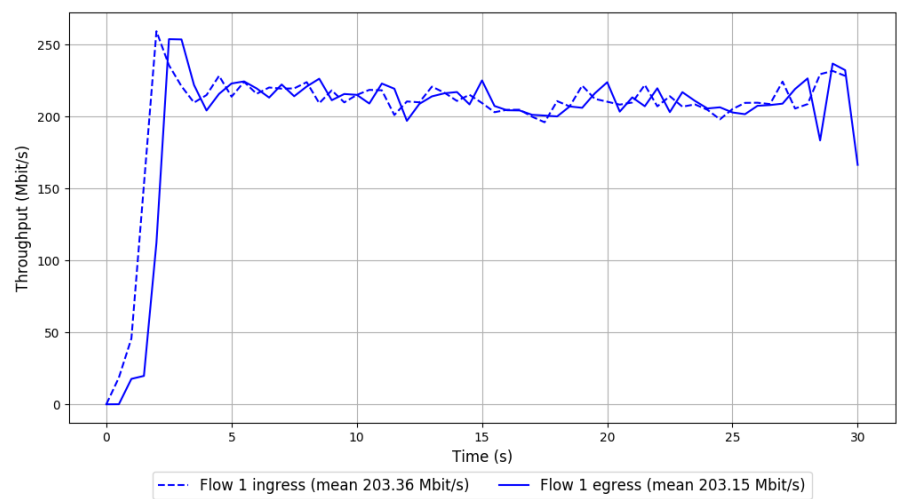
-- Flow 1:

Average throughput: 203.15 Mbit/s

95th percentile per-packet one-way delay: 137.391 ms

Loss rate: 1.01%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-08-11 16:15:53

End at: 2018-08-11 16:16:23

Local clock offset: -0.687 ms

Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-08-11 20:11:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 195.63 Mbit/s

95th percentile per-packet one-way delay: 136.971 ms

Loss rate: 1.00%

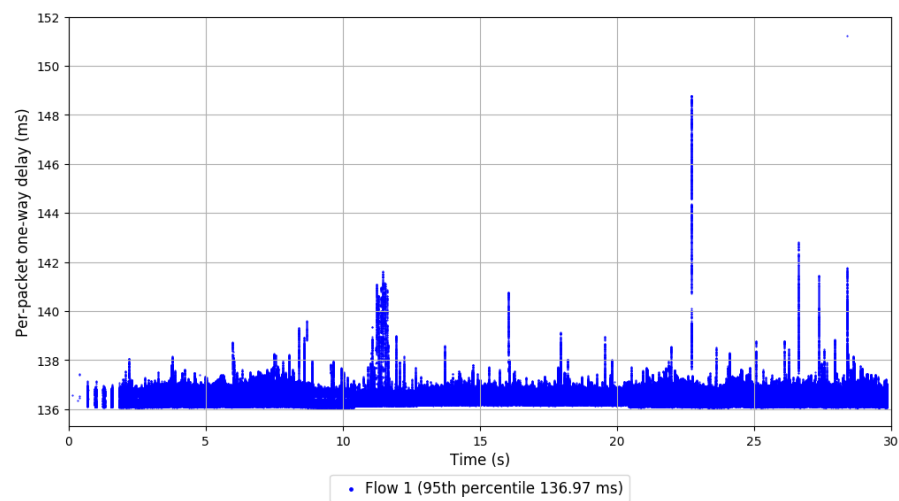
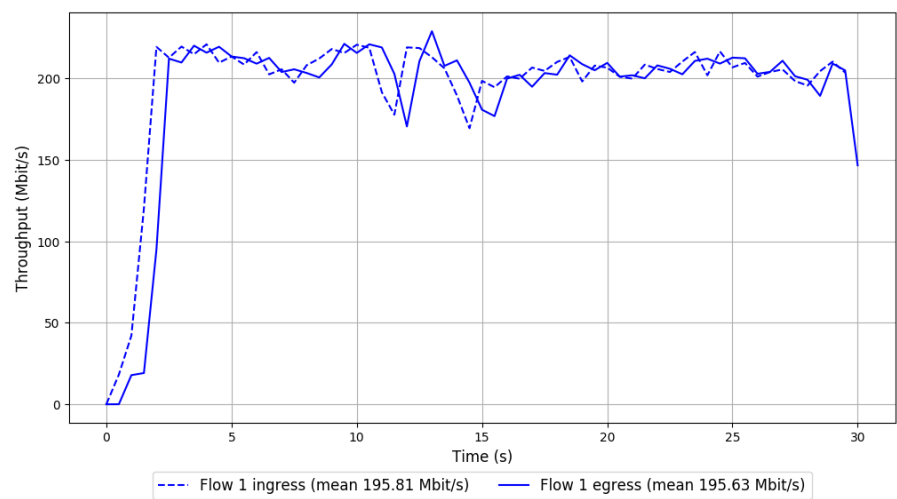
-- Flow 1:

Average throughput: 195.63 Mbit/s

95th percentile per-packet one-way delay: 136.971 ms

Loss rate: 1.00%

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

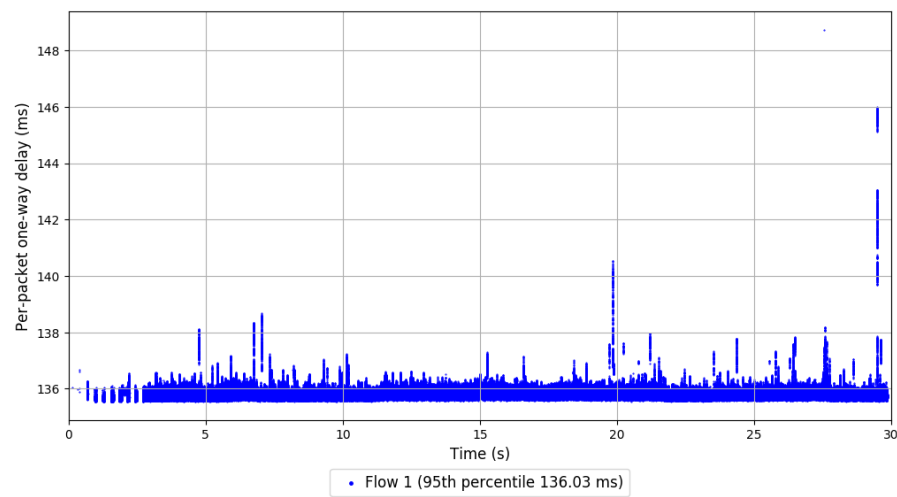
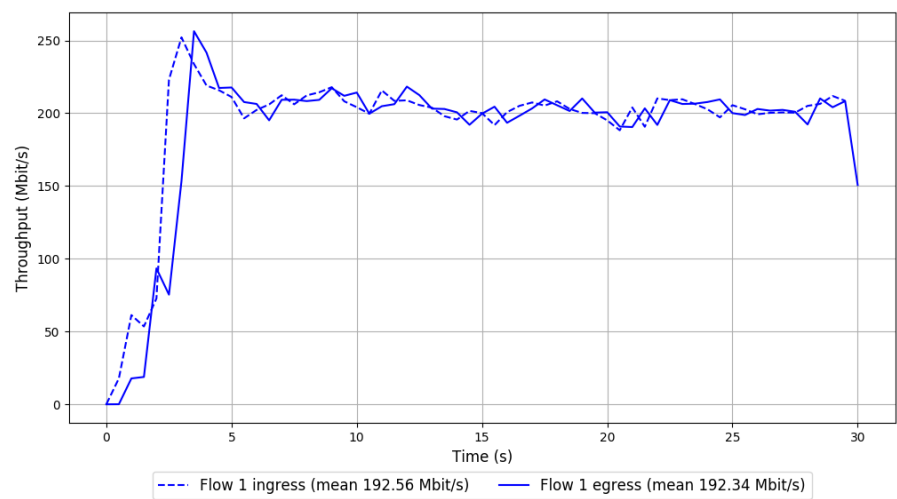


Run 6: Statistics of TaoVA-100x

Start at: 2018-08-11 16:39:37
End at: 2018-08-11 16:40:07
Local clock offset: -0.654 ms
Remote clock offset: -0.143 ms

Below is generated by plot.py at 2018-08-11 20:11:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 192.34 Mbit/s
95th percentile per-packet one-way delay: 136.033 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 192.34 Mbit/s
95th percentile per-packet one-way delay: 136.033 ms
Loss rate: 1.02%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-08-11 17:03:24

End at: 2018-08-11 17:03:54

Local clock offset: -0.83 ms

Remote clock offset: -0.213 ms

Below is generated by plot.py at 2018-08-11 20:11:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.28 Mbit/s

95th percentile per-packet one-way delay: 136.683 ms

Loss rate: 0.93%

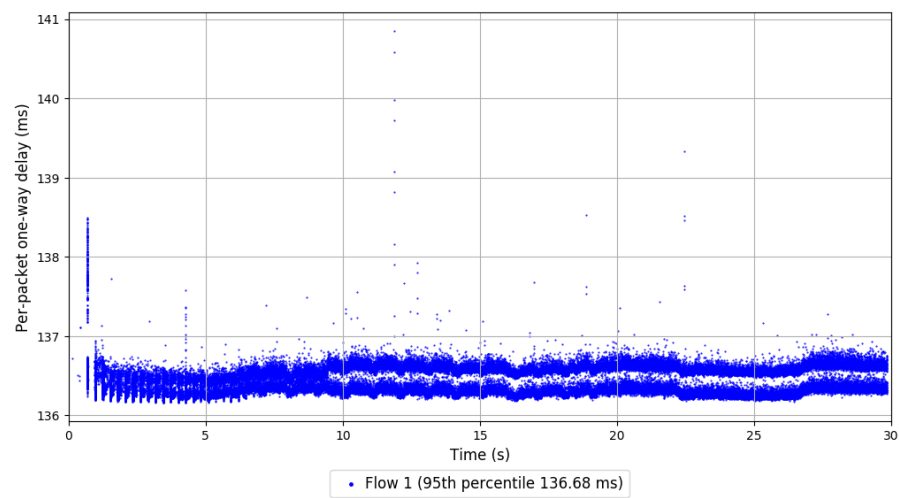
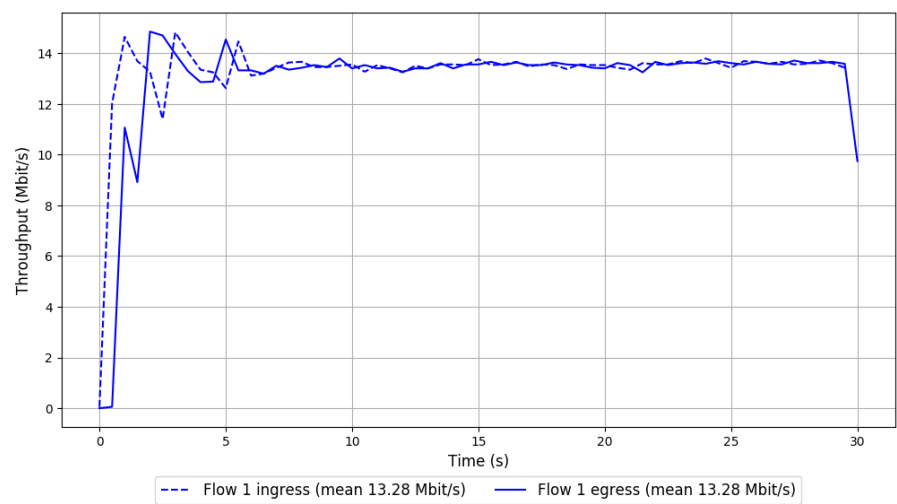
-- Flow 1:

Average throughput: 13.28 Mbit/s

95th percentile per-packet one-way delay: 136.683 ms

Loss rate: 0.93%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-08-11 17:26:47

End at: 2018-08-11 17:27:17

Local clock offset: -0.74 ms

Remote clock offset: -0.199 ms

Below is generated by plot.py at 2018-08-11 20:12:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 192.81 Mbit/s

95th percentile per-packet one-way delay: 136.255 ms

Loss rate: 0.96%

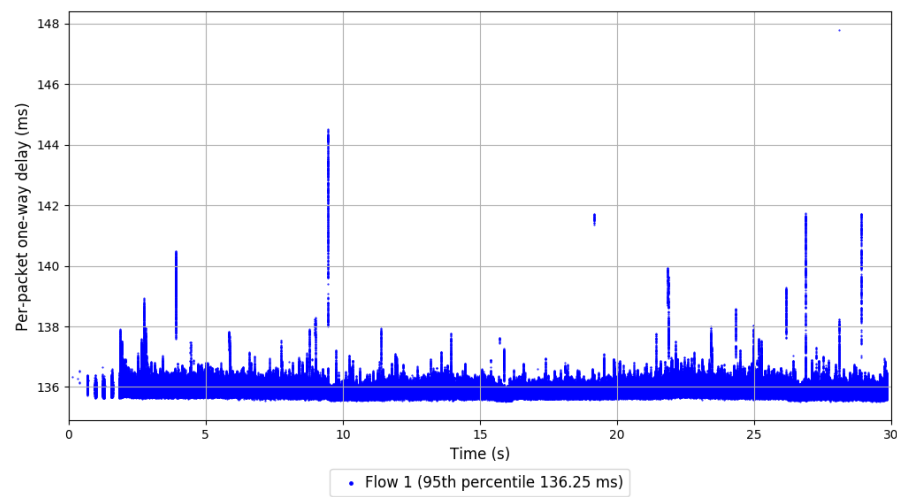
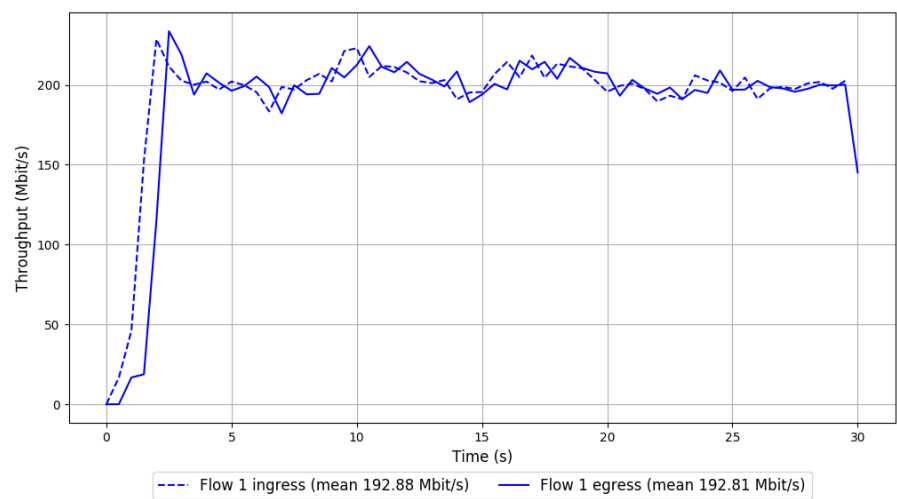
-- Flow 1:

Average throughput: 192.81 Mbit/s

95th percentile per-packet one-way delay: 136.255 ms

Loss rate: 0.96%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-08-11 17:50:30

End at: 2018-08-11 17:51:00

Local clock offset: 0.25 ms

Remote clock offset: 0.248 ms

Below is generated by plot.py at 2018-08-11 20:12:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.22 Mbit/s

95th percentile per-packet one-way delay: 136.379 ms

Loss rate: 0.94%

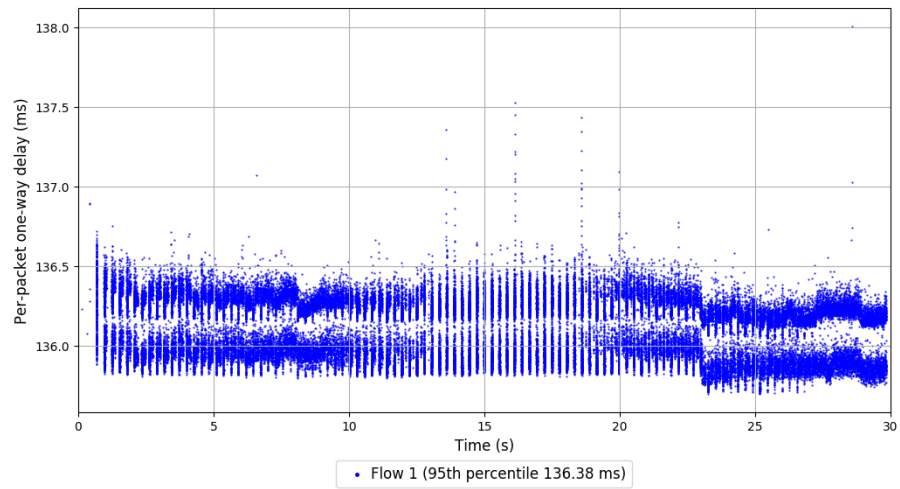
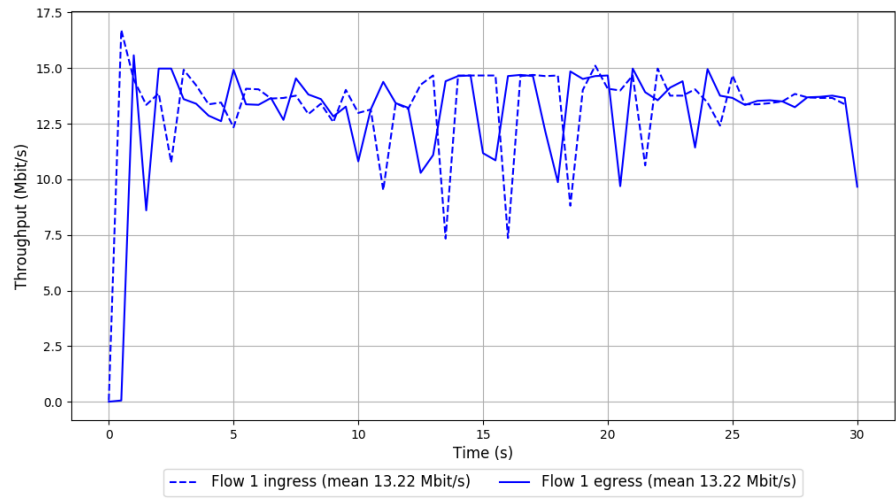
-- Flow 1:

Average throughput: 13.22 Mbit/s

95th percentile per-packet one-way delay: 136.379 ms

Loss rate: 0.94%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-08-11 18:13:52

End at: 2018-08-11 18:14:22

Local clock offset: 0.485 ms

Remote clock offset: -0.573 ms

Below is generated by plot.py at 2018-08-11 20:12:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.40 Mbit/s

95th percentile per-packet one-way delay: 137.038 ms

Loss rate: 0.93%

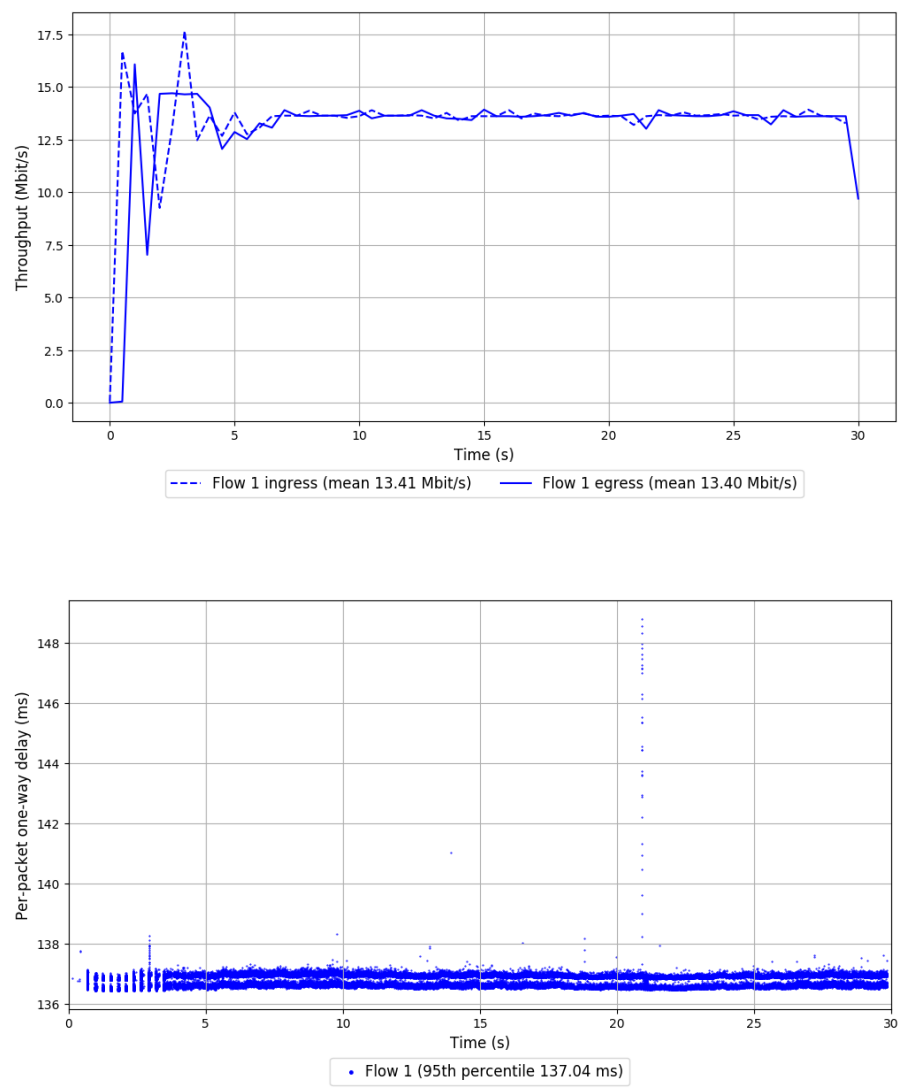
-- Flow 1:

Average throughput: 13.40 Mbit/s

95th percentile per-packet one-way delay: 137.038 ms

Loss rate: 0.93%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-08-11 14:54:44

End at: 2018-08-11 14:55:14

Local clock offset: -0.256 ms

Remote clock offset: 0.24 ms

Below is generated by plot.py at 2018-08-11 20:12:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.44 Mbit/s

95th percentile per-packet one-way delay: 137.447 ms

Loss rate: 0.98%

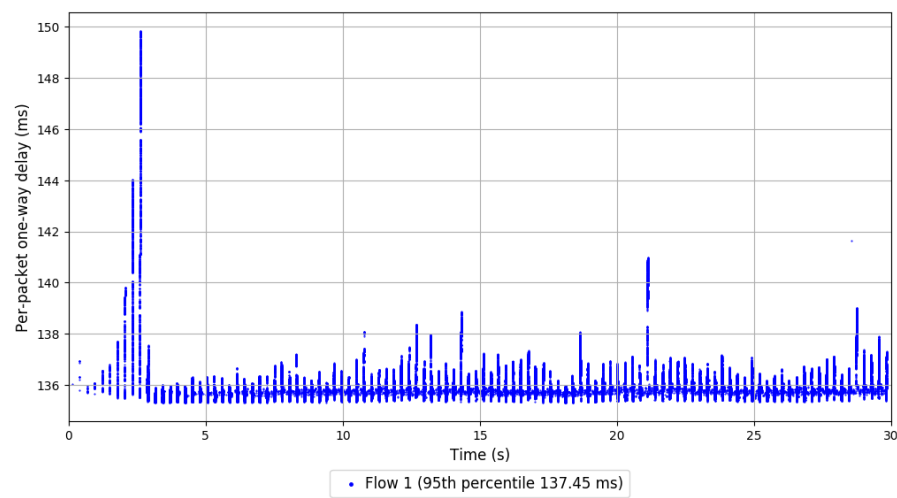
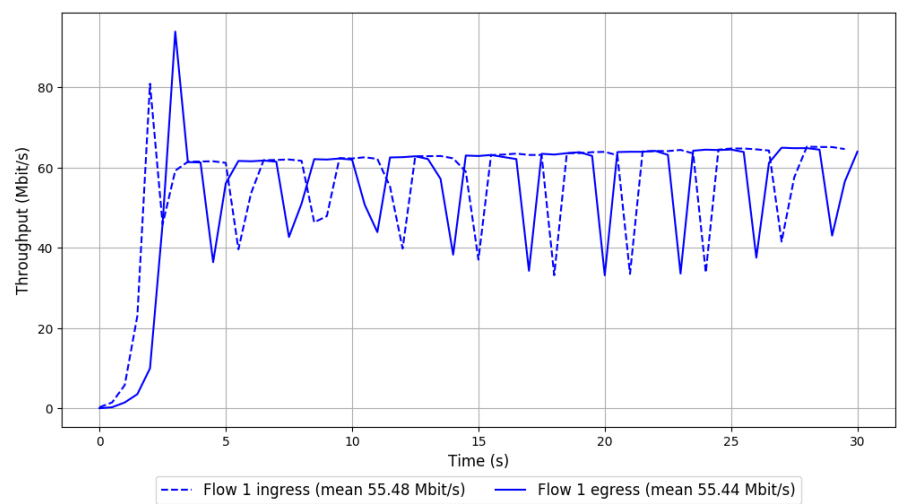
-- Flow 1:

Average throughput: 55.44 Mbit/s

95th percentile per-packet one-way delay: 137.447 ms

Loss rate: 0.98%

Run 1: Report of TCP Vegas — Data Link

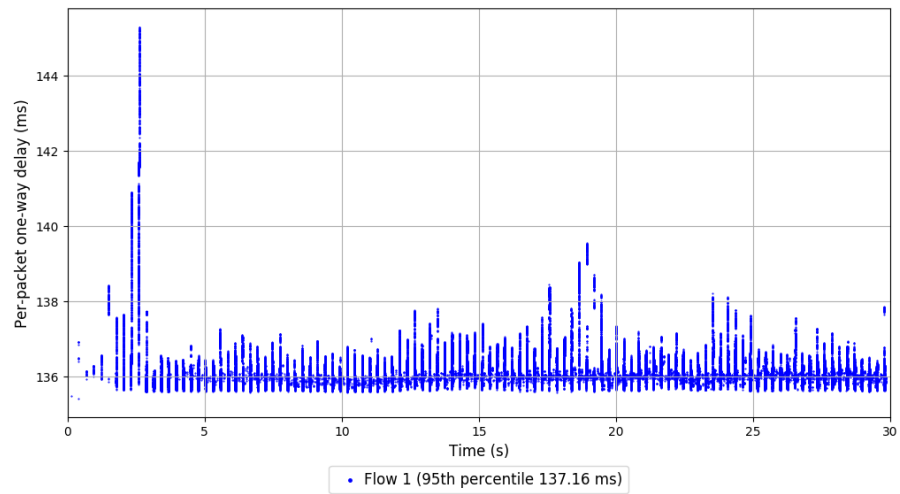
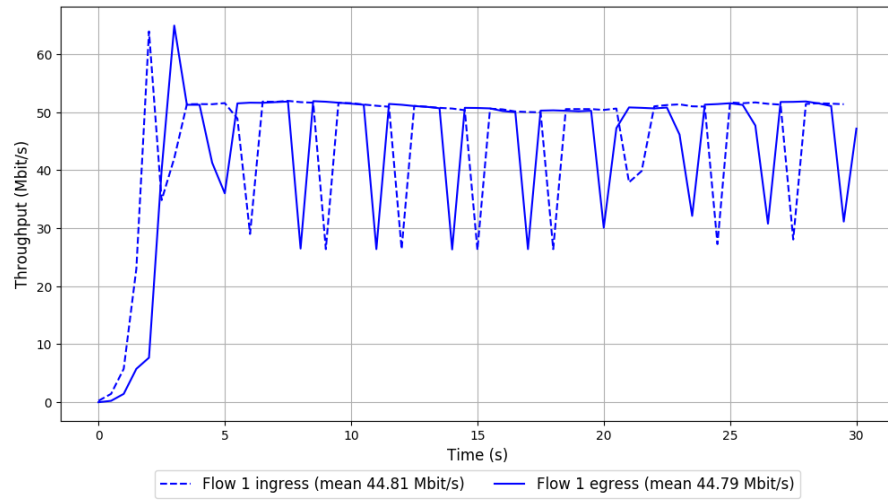


Run 2: Statistics of TCP Vegas

Start at: 2018-08-11 15:18:42
End at: 2018-08-11 15:19:12
Local clock offset: -0.441 ms
Remote clock offset: -0.186 ms

Below is generated by plot.py at 2018-08-11 20:12:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 44.79 Mbit/s
95th percentile per-packet one-way delay: 137.161 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 44.79 Mbit/s
95th percentile per-packet one-way delay: 137.161 ms
Loss rate: 0.96%

Run 2: Report of TCP Vegas — Data Link

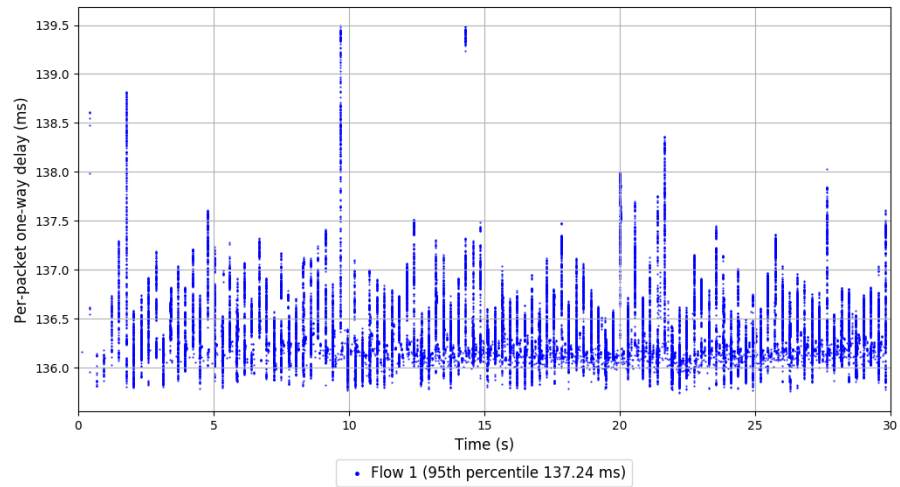
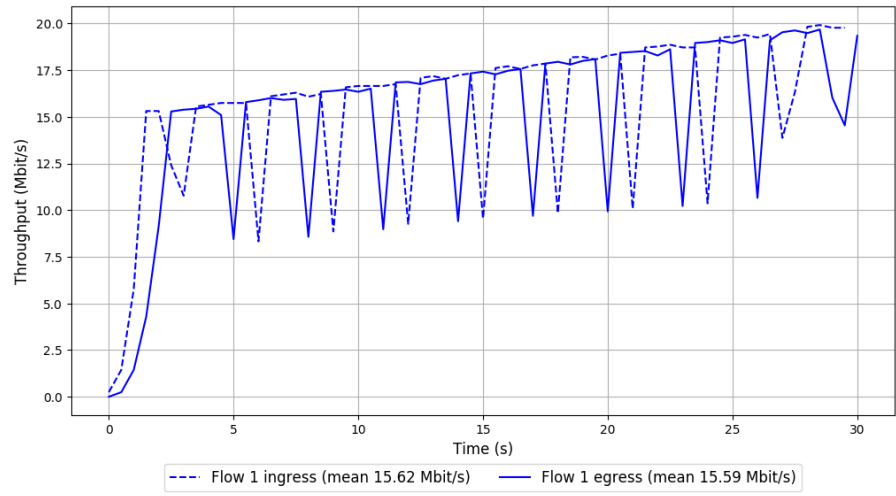


Run 3: Statistics of TCP Vegas

Start at: 2018-08-11 15:42:56
End at: 2018-08-11 15:43:26
Local clock offset: -0.394 ms
Remote clock offset: -0.287 ms

Below is generated by plot.py at 2018-08-11 20:12:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.59 Mbit/s
95th percentile per-packet one-way delay: 137.244 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 15.59 Mbit/s
95th percentile per-packet one-way delay: 137.244 ms
Loss rate: 1.08%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-08-11 16:06:24

End at: 2018-08-11 16:06:54

Local clock offset: -0.553 ms

Remote clock offset: 0.246 ms

Below is generated by plot.py at 2018-08-11 20:12:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.62 Mbit/s

95th percentile per-packet one-way delay: 139.492 ms

Loss rate: 0.95%

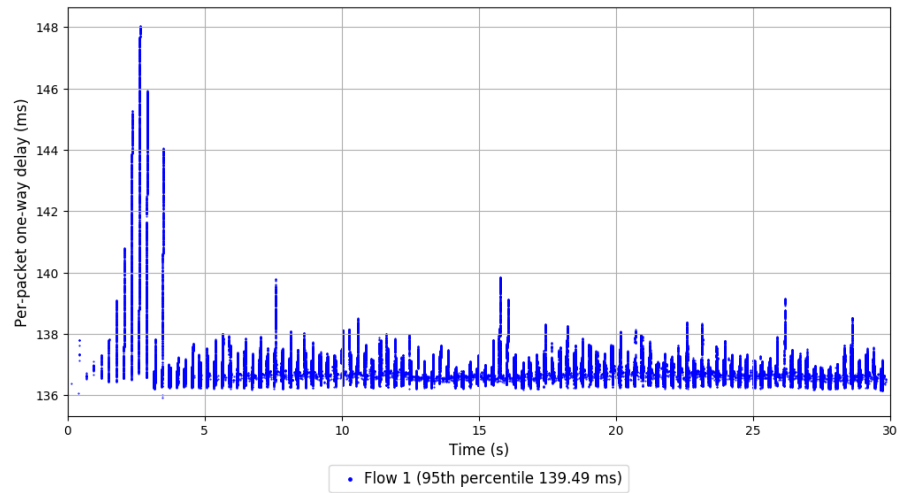
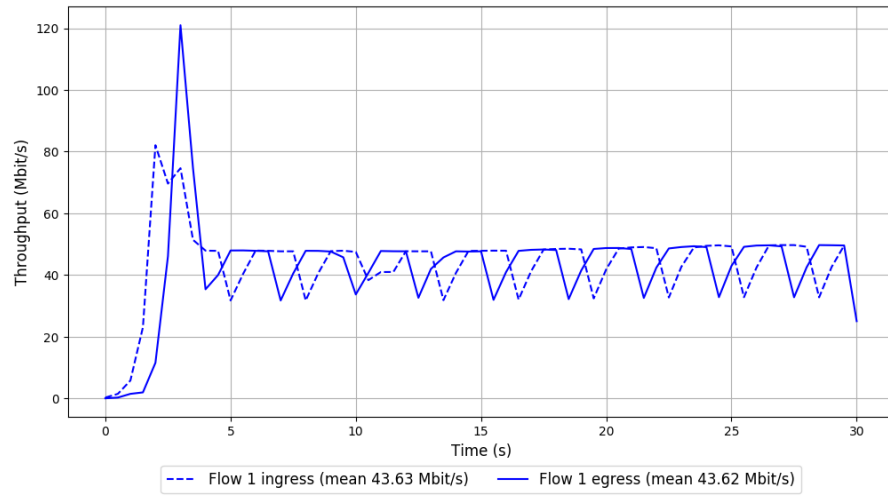
-- Flow 1:

Average throughput: 43.62 Mbit/s

95th percentile per-packet one-way delay: 139.492 ms

Loss rate: 0.95%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-08-11 16:30:19

End at: 2018-08-11 16:30:49

Local clock offset: -0.482 ms

Remote clock offset: -0.21 ms

Below is generated by plot.py at 2018-08-11 20:12:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.15 Mbit/s

95th percentile per-packet one-way delay: 137.256 ms

Loss rate: 0.98%

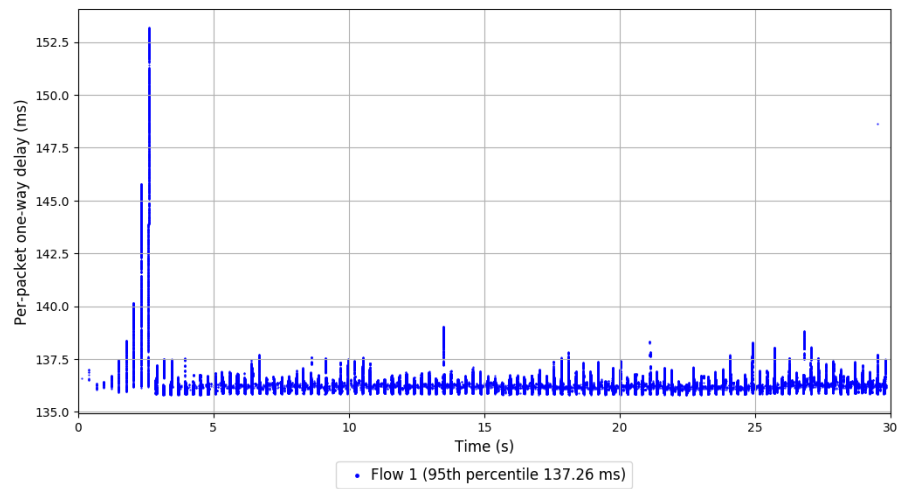
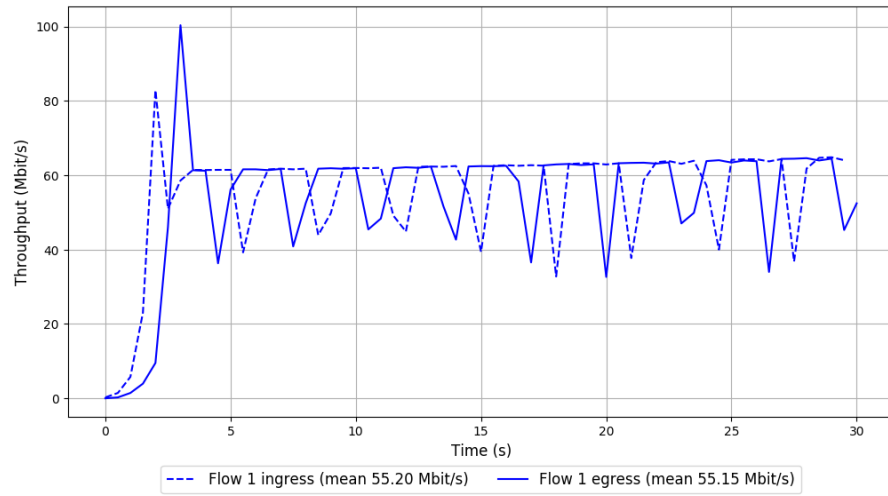
-- Flow 1:

Average throughput: 55.15 Mbit/s

95th percentile per-packet one-way delay: 137.256 ms

Loss rate: 0.98%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-08-11 16:54:00

End at: 2018-08-11 16:54:30

Local clock offset: -0.479 ms

Remote clock offset: -0.23 ms

Below is generated by plot.py at 2018-08-11 20:12:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.36 Mbit/s

95th percentile per-packet one-way delay: 138.532 ms

Loss rate: 1.00%

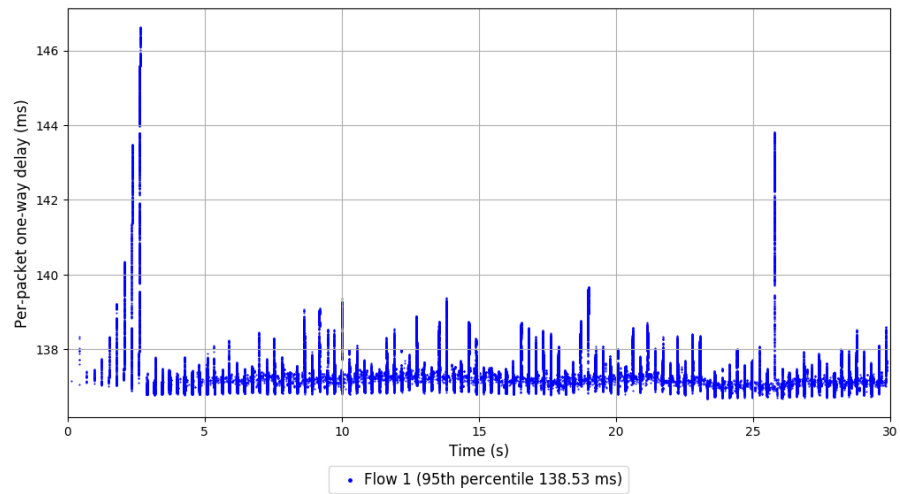
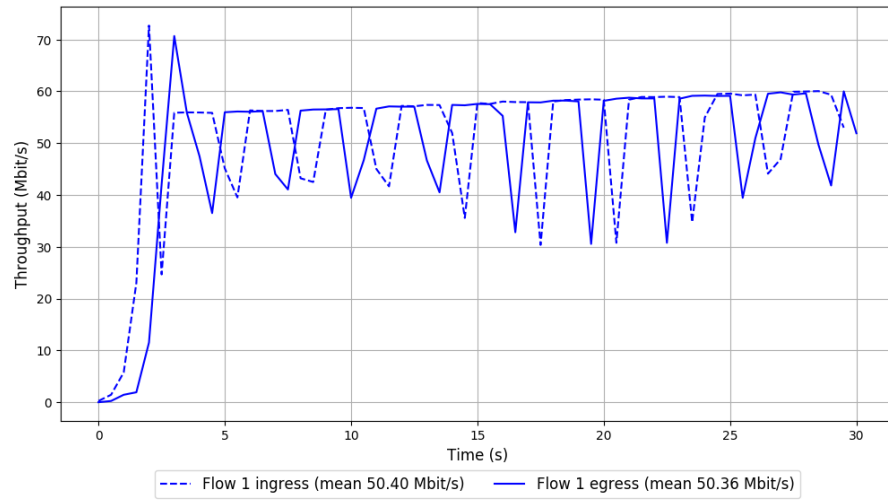
-- Flow 1:

Average throughput: 50.36 Mbit/s

95th percentile per-packet one-way delay: 138.532 ms

Loss rate: 1.00%

Run 6: Report of TCP Vegas — Data Link

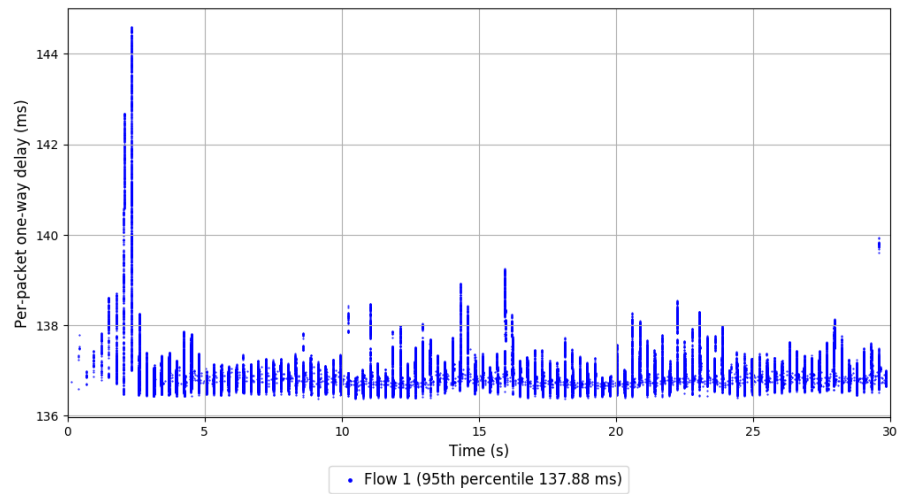
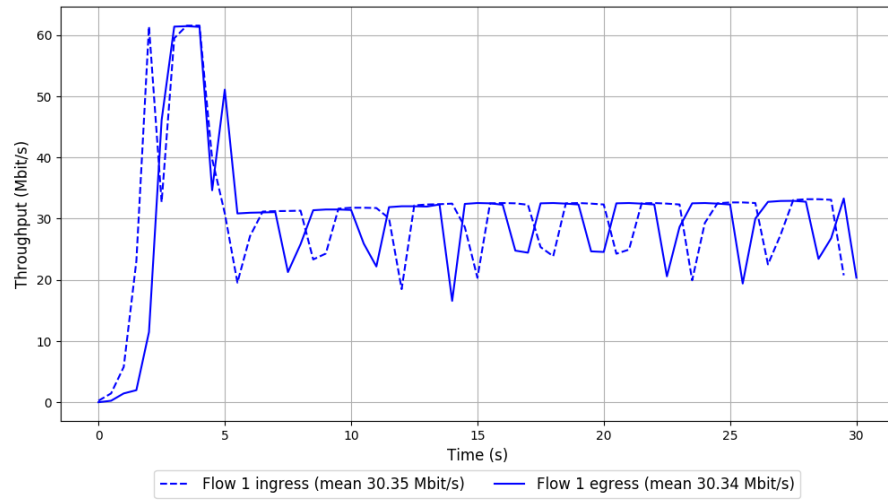


Run 7: Statistics of TCP Vegas

Start at: 2018-08-11 17:17:24
End at: 2018-08-11 17:17:54
Local clock offset: -0.928 ms
Remote clock offset: -0.222 ms

Below is generated by plot.py at 2018-08-11 20:12:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 30.34 Mbit/s
95th percentile per-packet one-way delay: 137.880 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 30.34 Mbit/s
95th percentile per-packet one-way delay: 137.880 ms
Loss rate: 0.94%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-08-11 17:41:06

End at: 2018-08-11 17:41:36

Local clock offset: -0.098 ms

Remote clock offset: 0.289 ms

Below is generated by plot.py at 2018-08-11 20:12:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.83 Mbit/s

95th percentile per-packet one-way delay: 137.376 ms

Loss rate: 0.98%

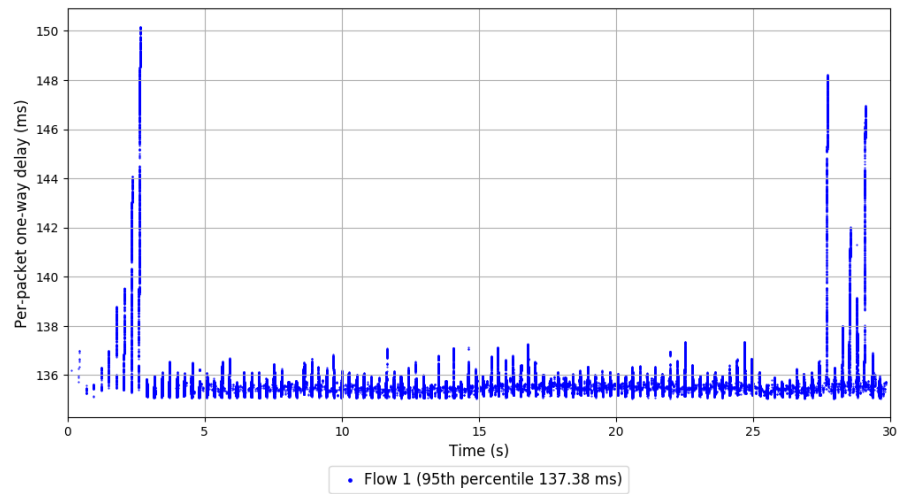
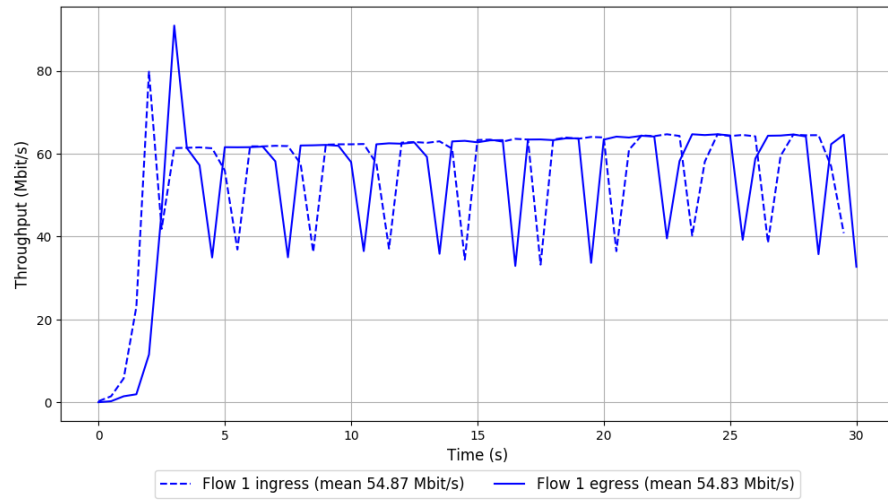
-- Flow 1:

Average throughput: 54.83 Mbit/s

95th percentile per-packet one-way delay: 137.376 ms

Loss rate: 0.98%

Run 8: Report of TCP Vegas — Data Link

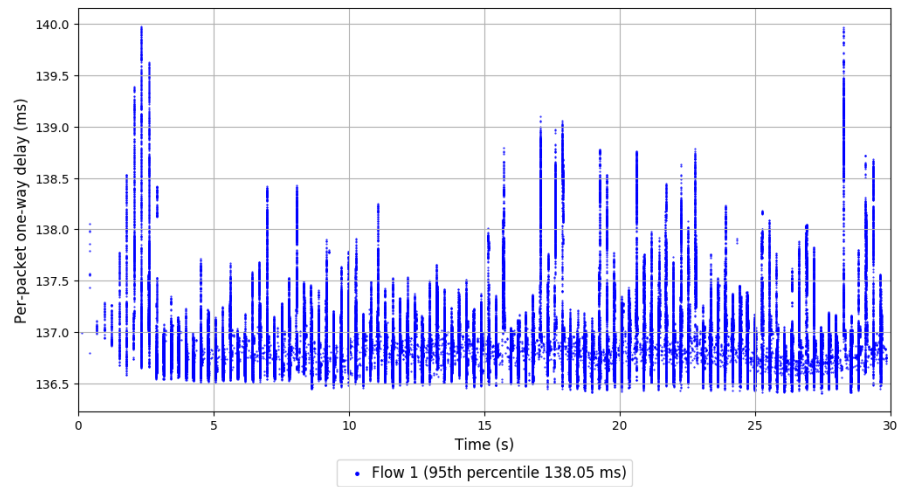
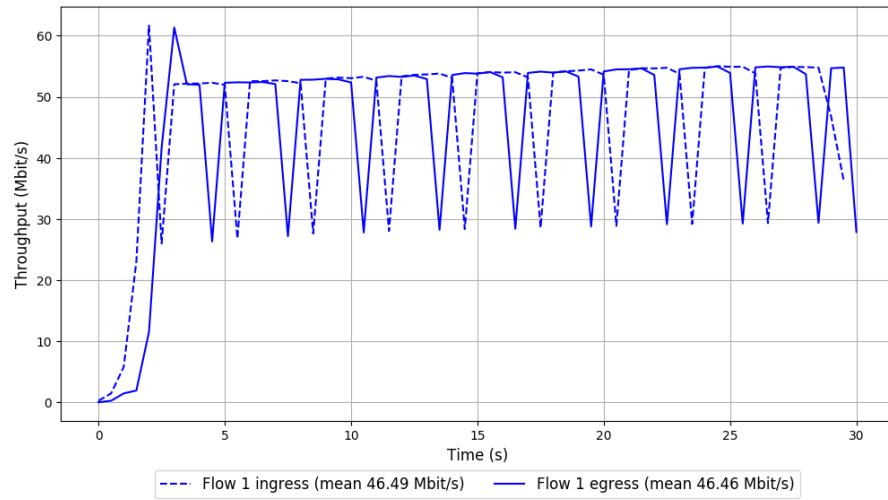


Run 9: Statistics of TCP Vegas

Start at: 2018-08-11 18:04:25
End at: 2018-08-11 18:04:55
Local clock offset: 0.447 ms
Remote clock offset: -0.146 ms

Below is generated by plot.py at 2018-08-11 20:12:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 46.46 Mbit/s
95th percentile per-packet one-way delay: 138.047 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 46.46 Mbit/s
95th percentile per-packet one-way delay: 138.047 ms
Loss rate: 0.98%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-08-11 18:27:42

End at: 2018-08-11 18:28:12

Local clock offset: 0.66 ms

Remote clock offset: 0.047 ms

Below is generated by plot.py at 2018-08-11 20:12:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.83 Mbit/s

95th percentile per-packet one-way delay: 138.237 ms

Loss rate: 0.96%

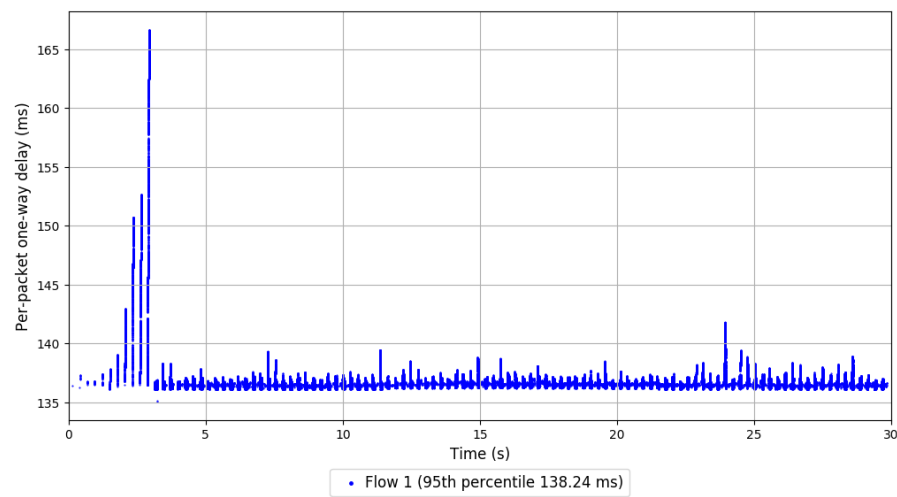
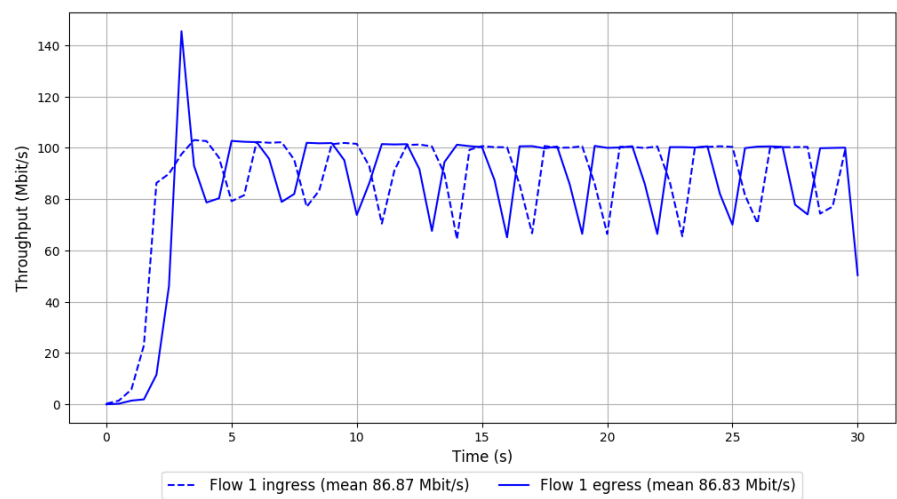
-- Flow 1:

Average throughput: 86.83 Mbit/s

95th percentile per-packet one-way delay: 138.237 ms

Loss rate: 0.96%

Run 10: Report of TCP Vegas — Data Link

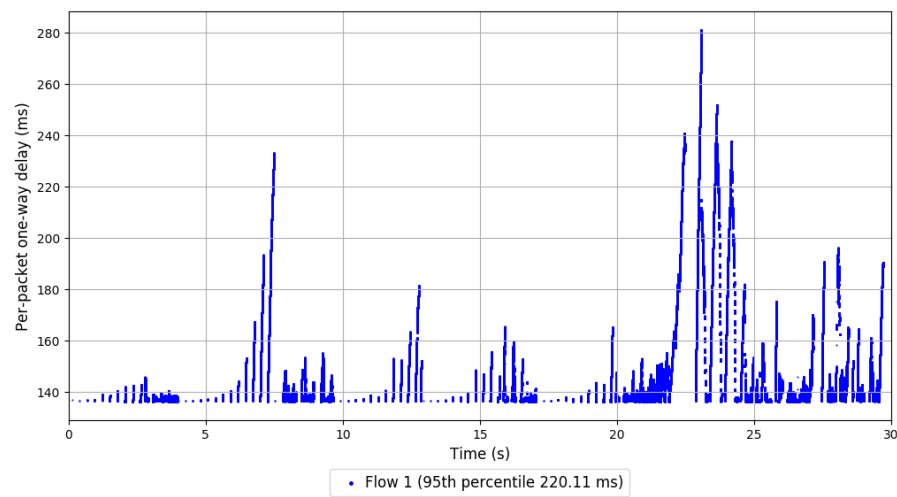
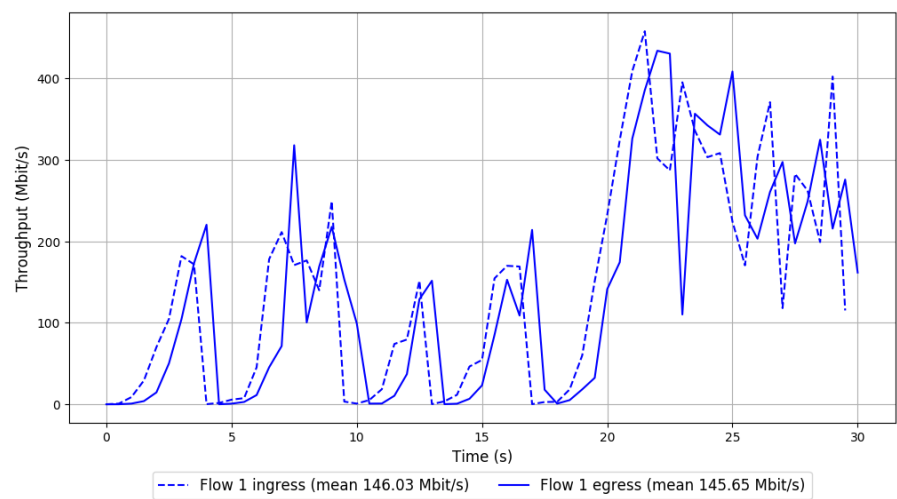


Run 1: Statistics of Verus

Start at: 2018-08-11 14:49:03
End at: 2018-08-11 14:49:33
Local clock offset: -0.218 ms
Remote clock offset: -0.509 ms

Below is generated by plot.py at 2018-08-11 20:12:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 145.65 Mbit/s
95th percentile per-packet one-way delay: 220.111 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 145.65 Mbit/s
95th percentile per-packet one-way delay: 220.111 ms
Loss rate: 1.43%

Run 1: Report of Verus — Data Link

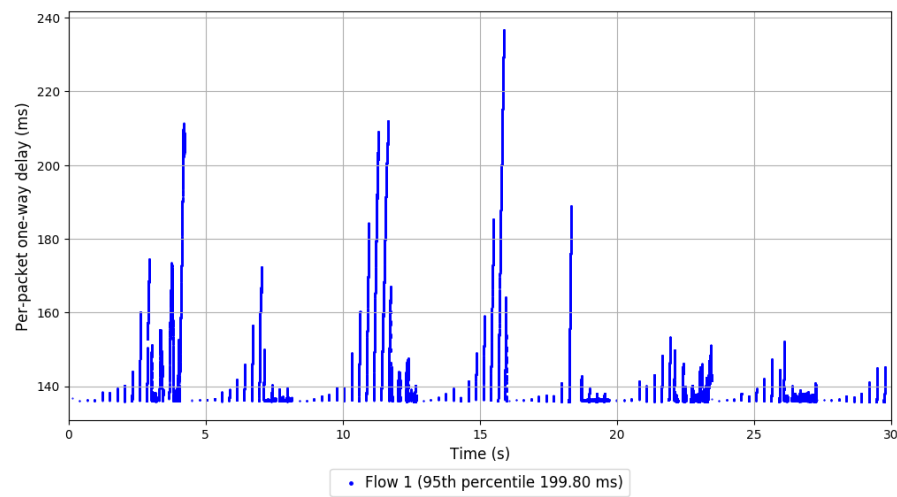
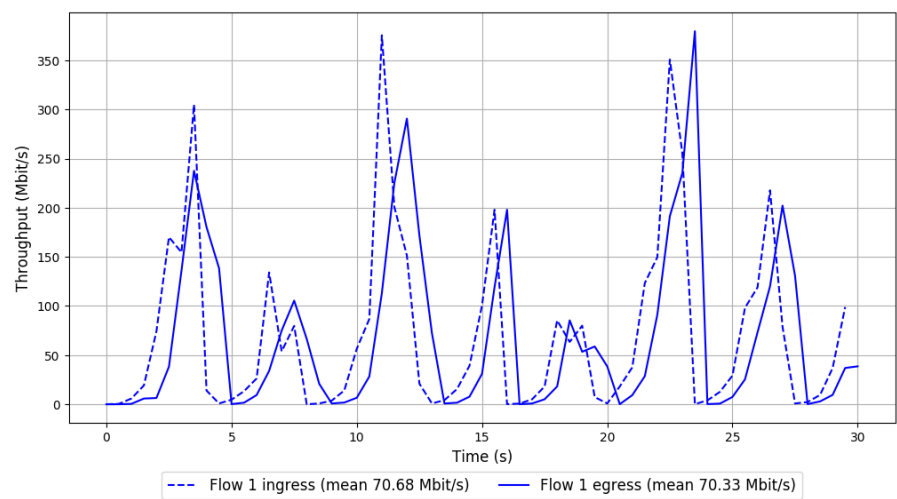


Run 2: Statistics of Verus

Start at: 2018-08-11 15:12:36
End at: 2018-08-11 15:13:06
Local clock offset: -0.235 ms
Remote clock offset: -0.175 ms

Below is generated by plot.py at 2018-08-11 20:12:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.33 Mbit/s
95th percentile per-packet one-way delay: 199.800 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 70.33 Mbit/s
95th percentile per-packet one-way delay: 199.800 ms
Loss rate: 1.42%

Run 2: Report of Verus — Data Link

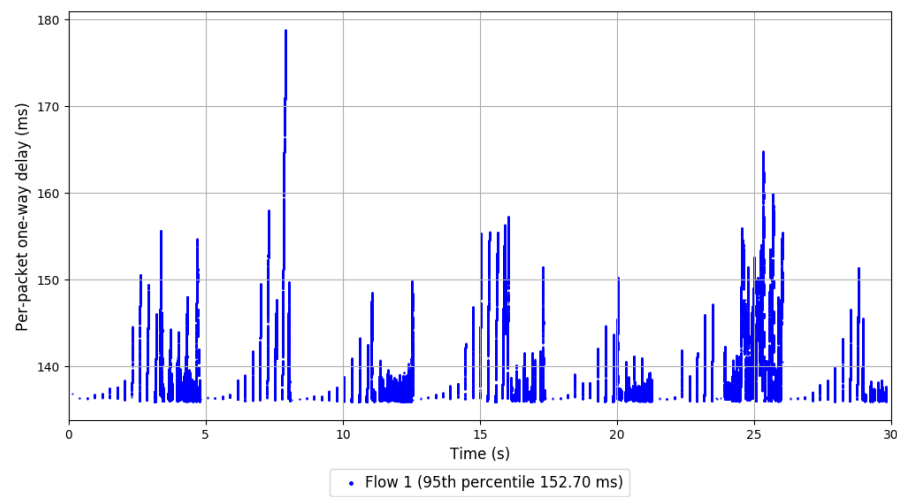
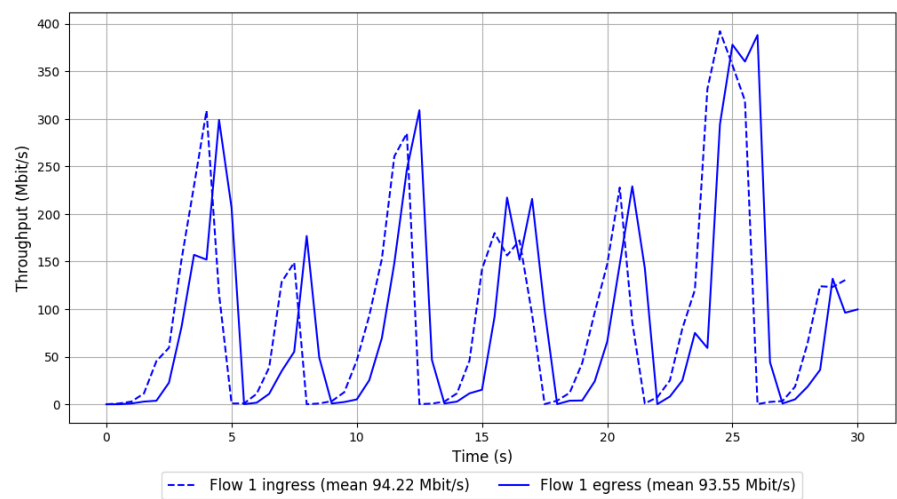


Run 3: Statistics of Verus

Start at: 2018-08-11 15:36:51
End at: 2018-08-11 15:37:21
Local clock offset: -0.46 ms
Remote clock offset: -0.579 ms

Below is generated by plot.py at 2018-08-11 20:12:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.55 Mbit/s
95th percentile per-packet one-way delay: 152.704 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 93.55 Mbit/s
95th percentile per-packet one-way delay: 152.704 ms
Loss rate: 1.39%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-08-11 16:00:44

End at: 2018-08-11 16:01:14

Local clock offset: -0.744 ms

Remote clock offset: 0.189 ms

Below is generated by plot.py at 2018-08-11 20:13:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 153.11 Mbit/s

95th percentile per-packet one-way delay: 181.052 ms

Loss rate: 0.28%

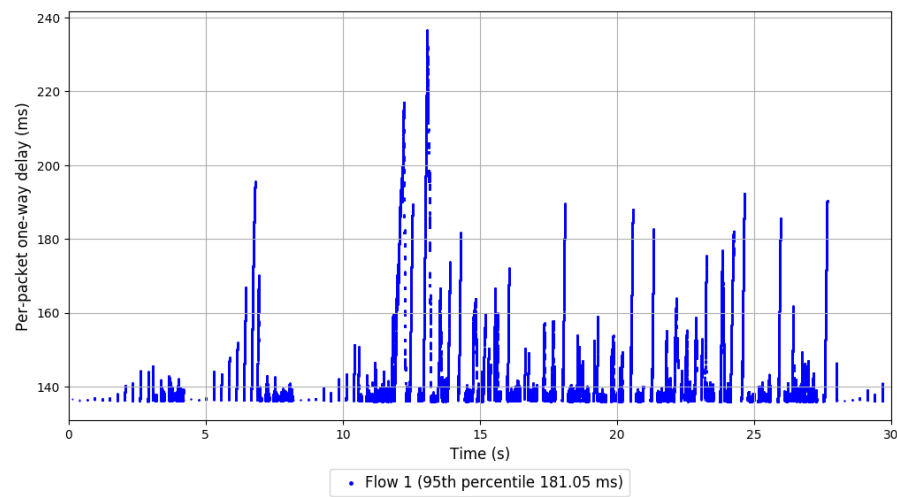
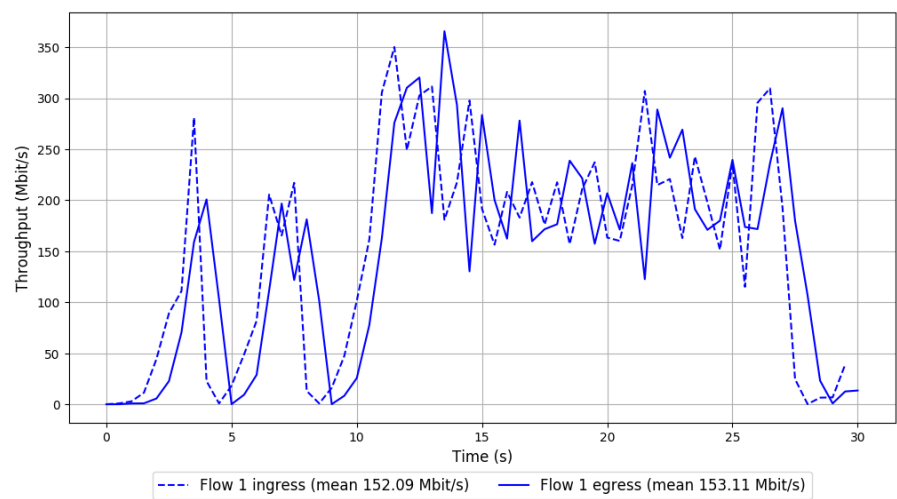
-- Flow 1:

Average throughput: 153.11 Mbit/s

95th percentile per-packet one-way delay: 181.052 ms

Loss rate: 0.28%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-08-11 16:24:34

End at: 2018-08-11 16:25:04

Local clock offset: -0.636 ms

Remote clock offset: 0.213 ms

Below is generated by plot.py at 2018-08-11 20:14:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.22 Mbit/s

95th percentile per-packet one-way delay: 181.993 ms

Loss rate: 1.60%

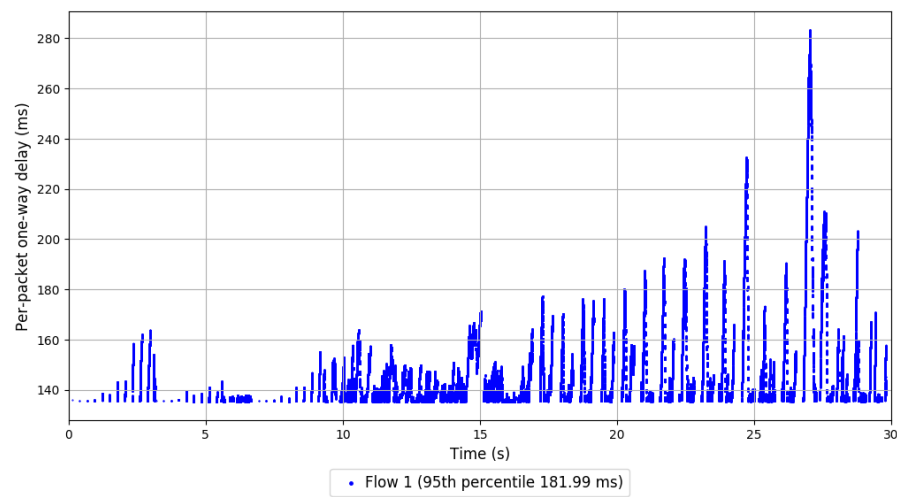
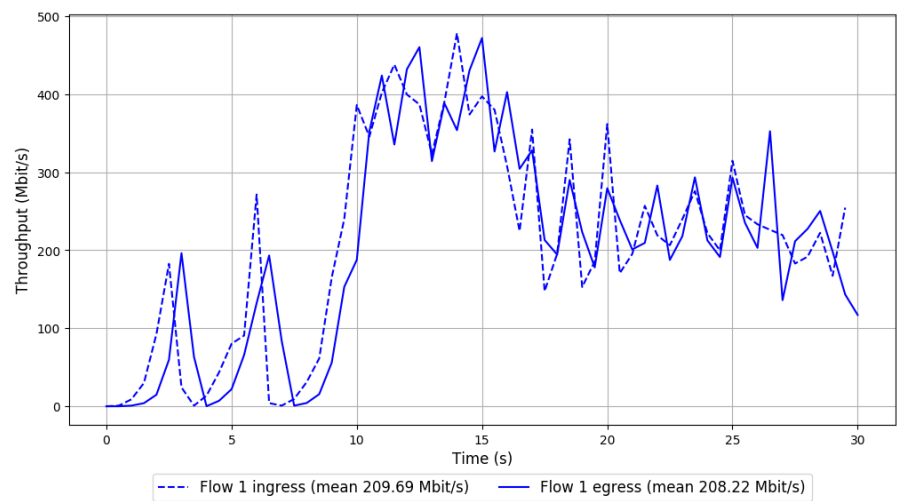
-- Flow 1:

Average throughput: 208.22 Mbit/s

95th percentile per-packet one-way delay: 181.993 ms

Loss rate: 1.60%

Run 5: Report of Verus — Data Link

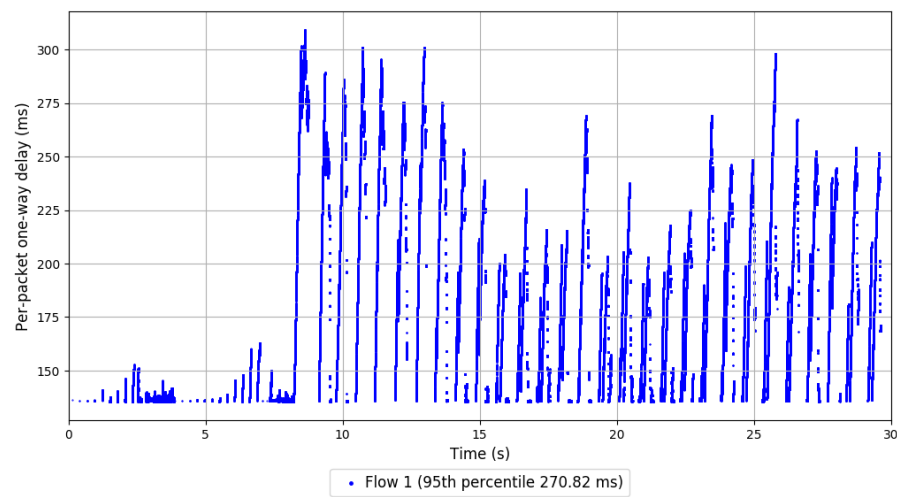
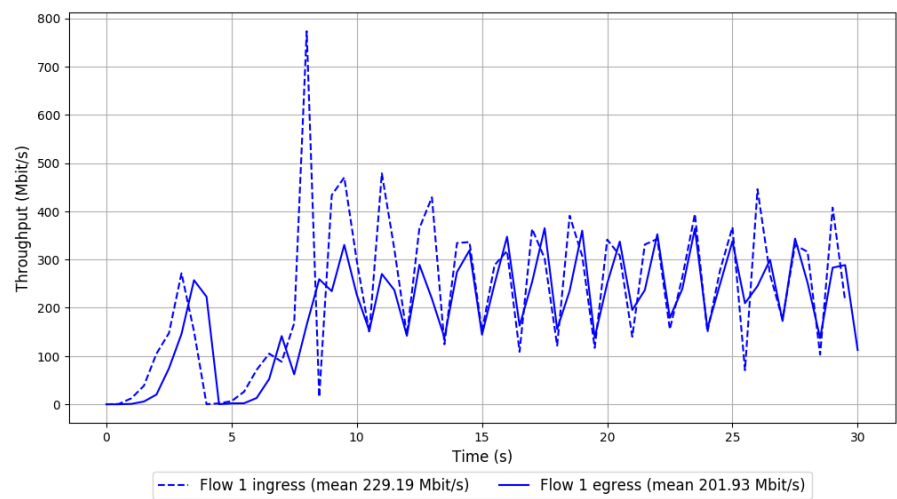


Run 6: Statistics of Verus

Start at: 2018-08-11 16:48:12
End at: 2018-08-11 16:48:42
Local clock offset: -0.815 ms
Remote clock offset: -0.201 ms

Below is generated by plot.py at 2018-08-11 20:15:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 201.93 Mbit/s
95th percentile per-packet one-way delay: 270.817 ms
Loss rate: 13.30%
-- Flow 1:
Average throughput: 201.93 Mbit/s
95th percentile per-packet one-way delay: 270.817 ms
Loss rate: 13.30%

Run 6: Report of Verus — Data Link

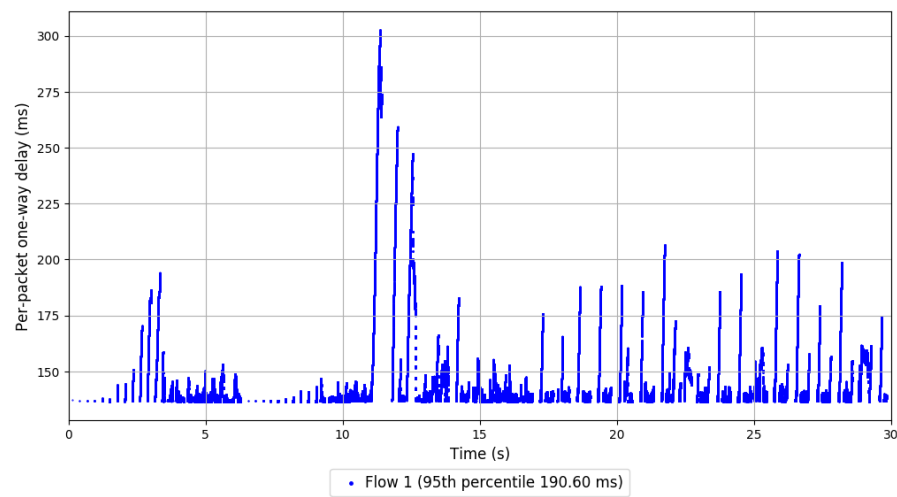
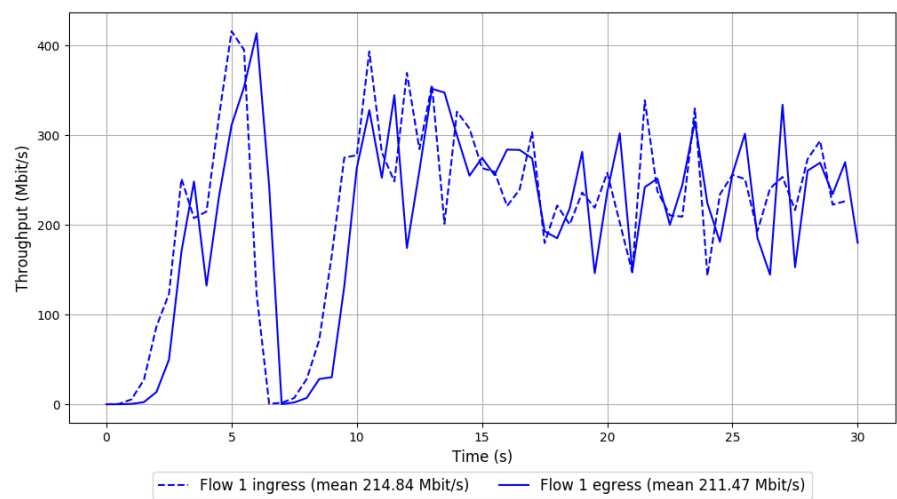


Run 7: Statistics of Verus

Start at: 2018-08-11 17:11:34
End at: 2018-08-11 17:12:04
Local clock offset: -0.774 ms
Remote clock offset: -0.247 ms

Below is generated by plot.py at 2018-08-11 20:15:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 211.47 Mbit/s
95th percentile per-packet one-way delay: 190.599 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 211.47 Mbit/s
95th percentile per-packet one-way delay: 190.599 ms
Loss rate: 2.10%

Run 7: Report of Verus — Data Link

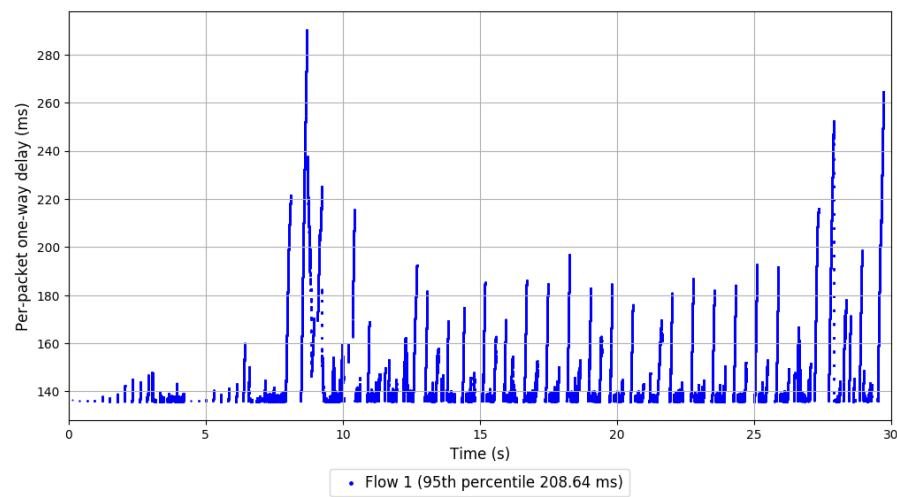
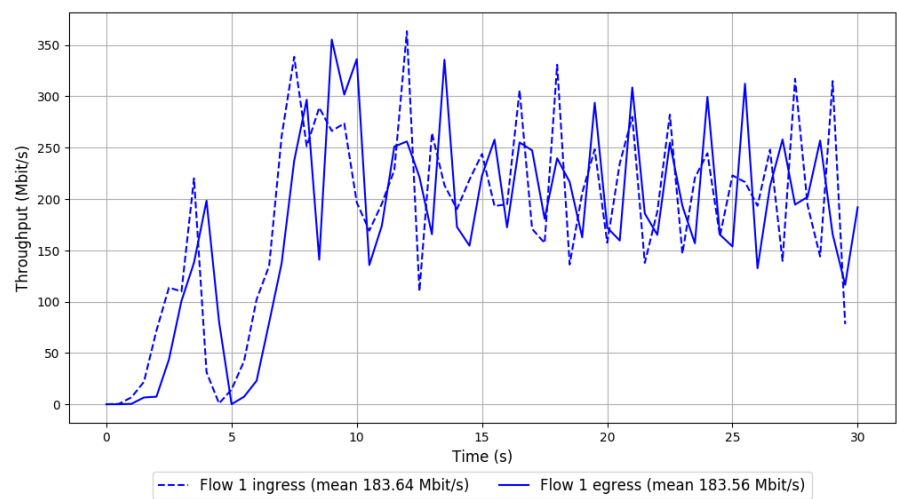


Run 8: Statistics of Verus

Start at: 2018-08-11 17:35:23
End at: 2018-08-11 17:35:53
Local clock offset: -0.124 ms
Remote clock offset: -0.228 ms

Below is generated by plot.py at 2018-08-11 20:15:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 183.56 Mbit/s
95th percentile per-packet one-way delay: 208.641 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 183.56 Mbit/s
95th percentile per-packet one-way delay: 208.641 ms
Loss rate: 1.33%

Run 8: Report of Verus — Data Link

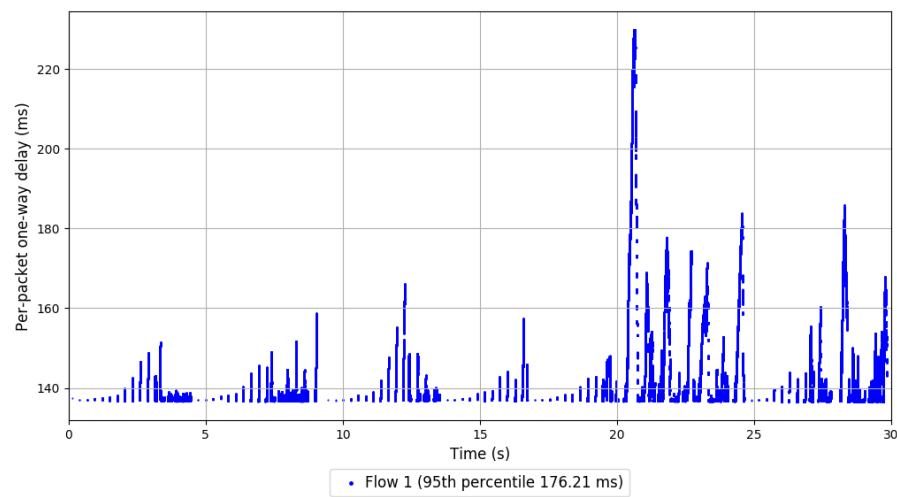
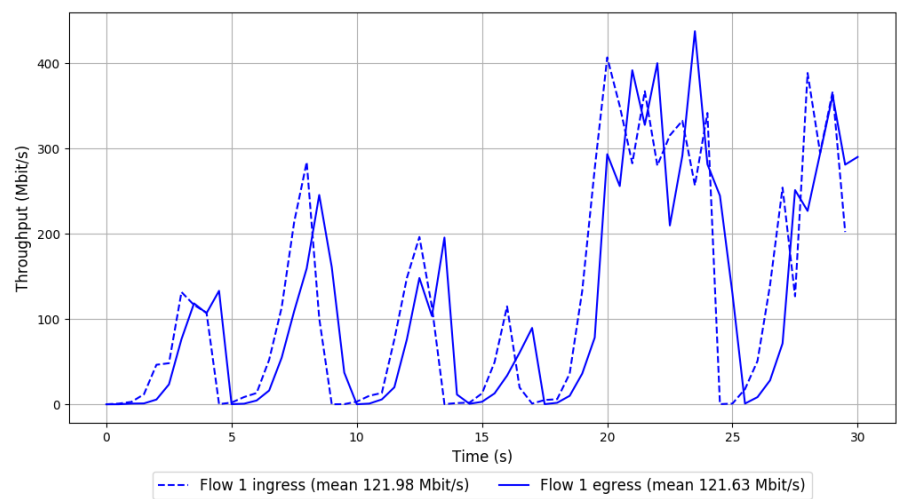


Run 9: Statistics of Verus

Start at: 2018-08-11 17:58:48
End at: 2018-08-11 17:59:18
Local clock offset: 0.518 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-08-11 20:15:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 121.63 Mbit/s
95th percentile per-packet one-way delay: 176.210 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 121.63 Mbit/s
95th percentile per-packet one-way delay: 176.210 ms
Loss rate: 0.39%

Run 9: Report of Verus — Data Link

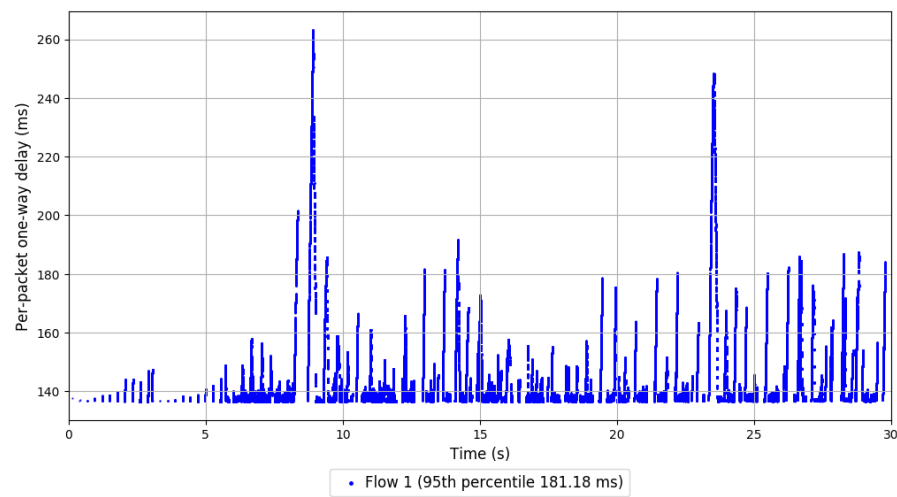
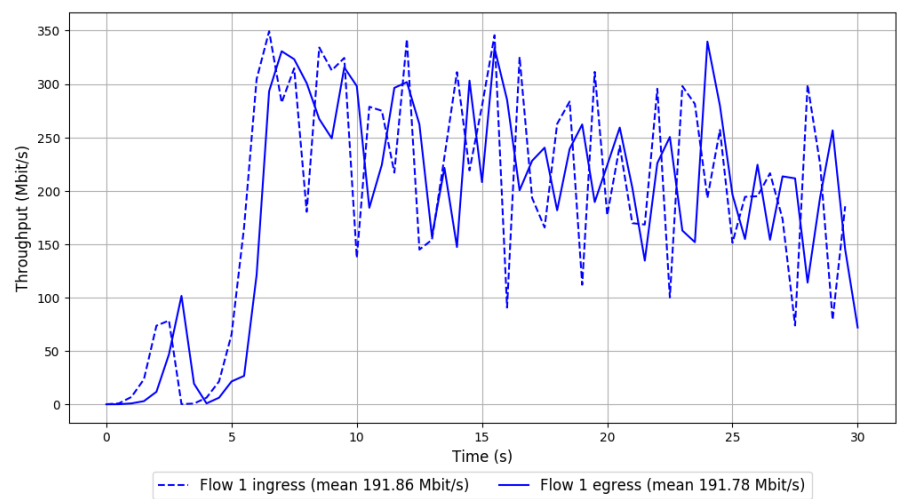


Run 10: Statistics of Verus

Start at: 2018-08-11 18:21:52
End at: 2018-08-11 18:22:22
Local clock offset: 0.592 ms
Remote clock offset: -0.301 ms

Below is generated by plot.py at 2018-08-11 20:16:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 191.78 Mbit/s
95th percentile per-packet one-way delay: 181.177 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 191.78 Mbit/s
95th percentile per-packet one-way delay: 181.177 ms
Loss rate: 1.14%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-08-11 14:47:27

End at: 2018-08-11 14:47:57

Local clock offset: -0.362 ms

Remote clock offset: -0.168 ms

Below is generated by plot.py at 2018-08-11 20:18:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 339.48 Mbit/s

95th percentile per-packet one-way delay: 138.318 ms

Loss rate: 1.36%

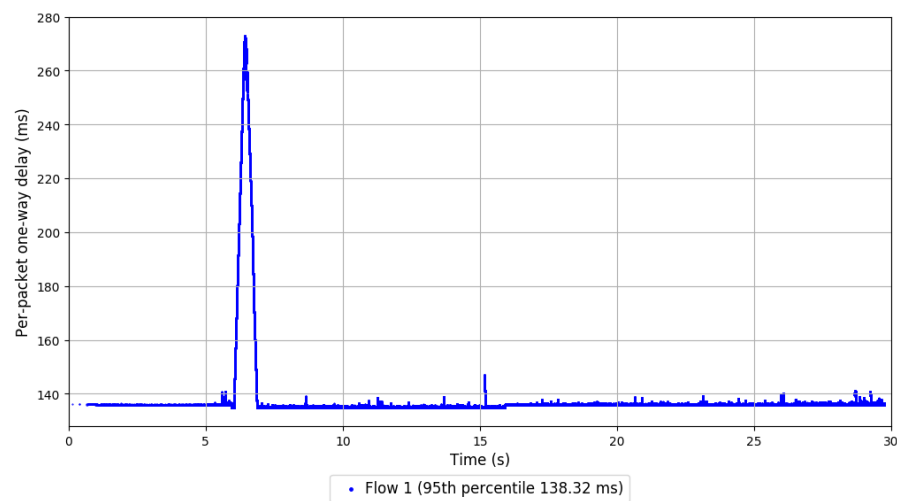
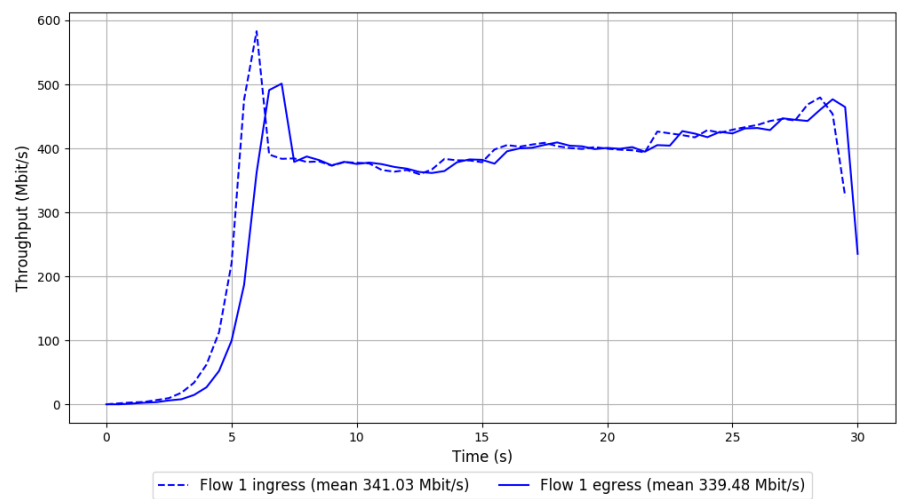
-- Flow 1:

Average throughput: 339.48 Mbit/s

95th percentile per-packet one-way delay: 138.318 ms

Loss rate: 1.36%

Run 1: Report of PCC-Vivace — Data Link

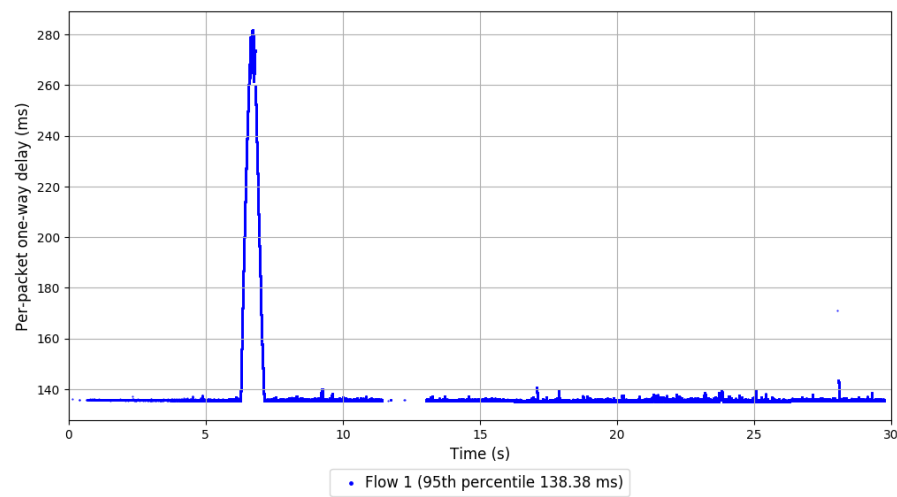
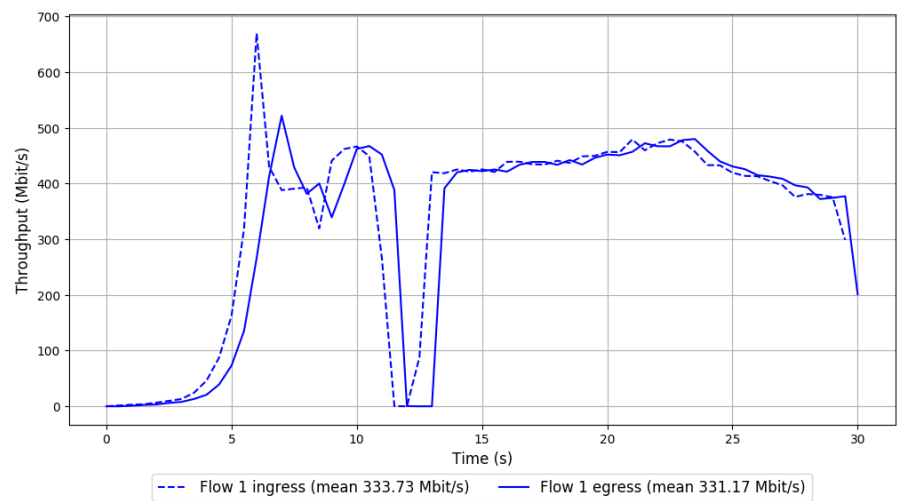


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-11 15:10:57
End at: 2018-08-11 15:11:27
Local clock offset: -0.517 ms
Remote clock offset: -0.157 ms

Below is generated by plot.py at 2018-08-11 20:20:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 331.17 Mbit/s
95th percentile per-packet one-way delay: 138.377 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 331.17 Mbit/s
95th percentile per-packet one-way delay: 138.377 ms
Loss rate: 1.67%

Run 2: Report of PCC-Vivace — Data Link

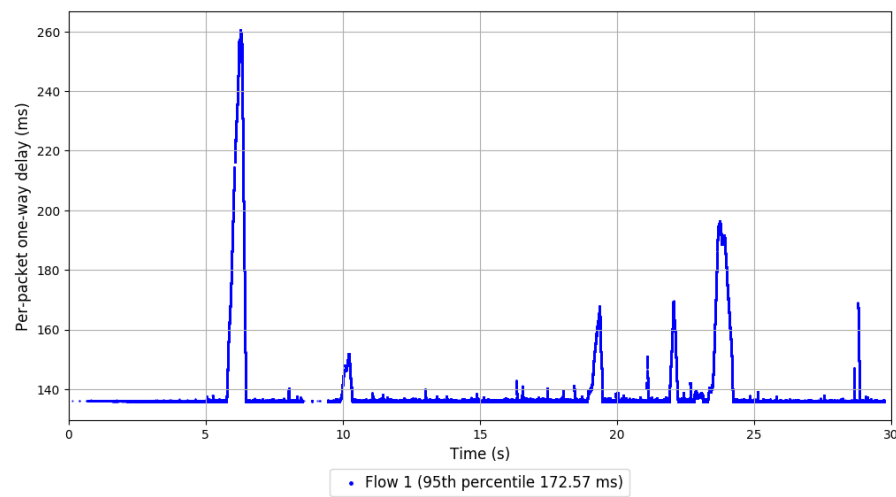
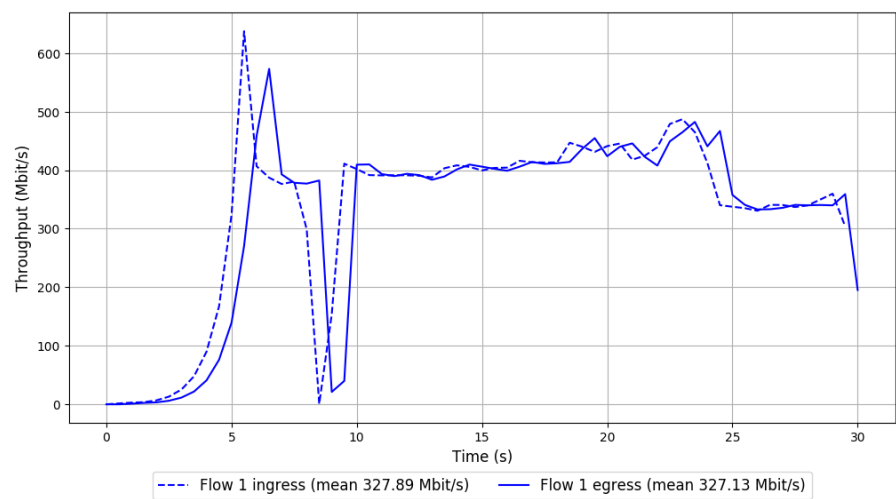


Run 3: Statistics of PCC-Vivace

Start at: 2018-08-11 15:35:09
End at: 2018-08-11 15:35:39
Local clock offset: -0.492 ms
Remote clock offset: -0.235 ms

Below is generated by plot.py at 2018-08-11 20:20:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 327.13 Mbit/s
95th percentile per-packet one-way delay: 172.566 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 327.13 Mbit/s
95th percentile per-packet one-way delay: 172.566 ms
Loss rate: 1.14%

Run 3: Report of PCC-Vivace — Data Link

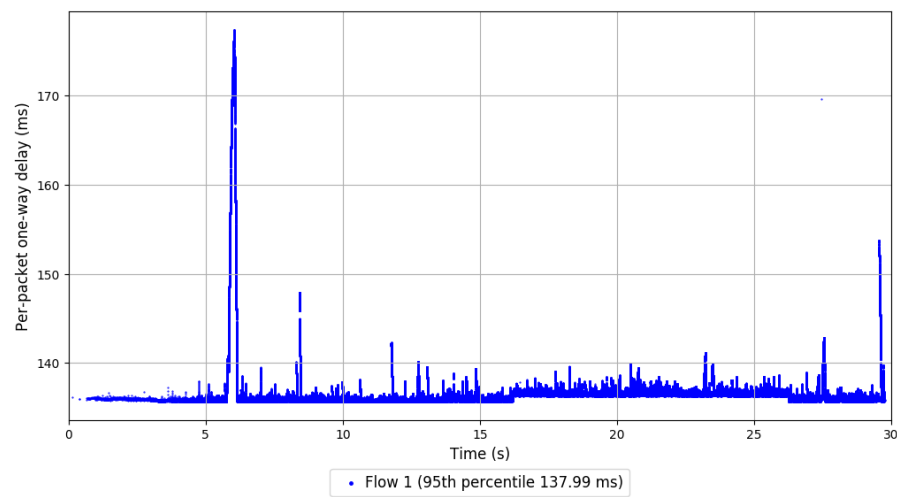
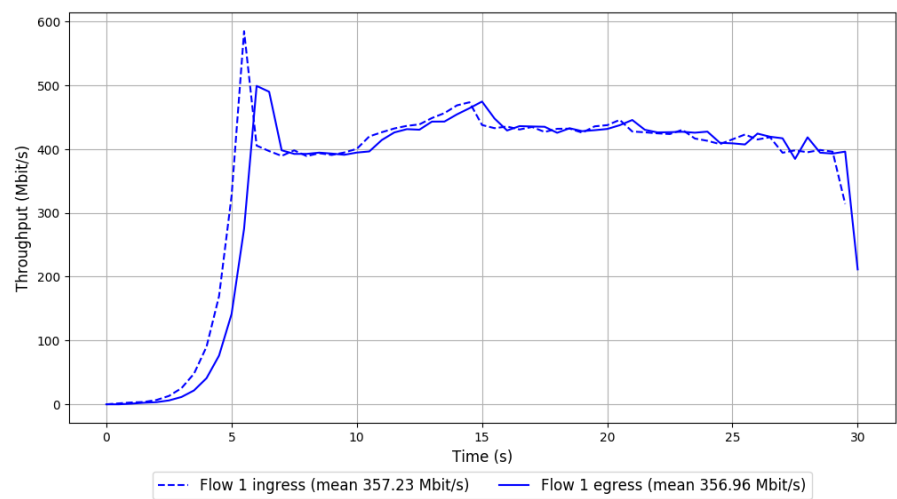


Run 4: Statistics of PCC-Vivace

Start at: 2018-08-11 15:59:07
End at: 2018-08-11 15:59:37
Local clock offset: -0.523 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2018-08-11 20:21:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 356.96 Mbit/s
95th percentile per-packet one-way delay: 137.993 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 356.96 Mbit/s
95th percentile per-packet one-way delay: 137.993 ms
Loss rate: 0.99%

Run 4: Report of PCC-Vivace — Data Link

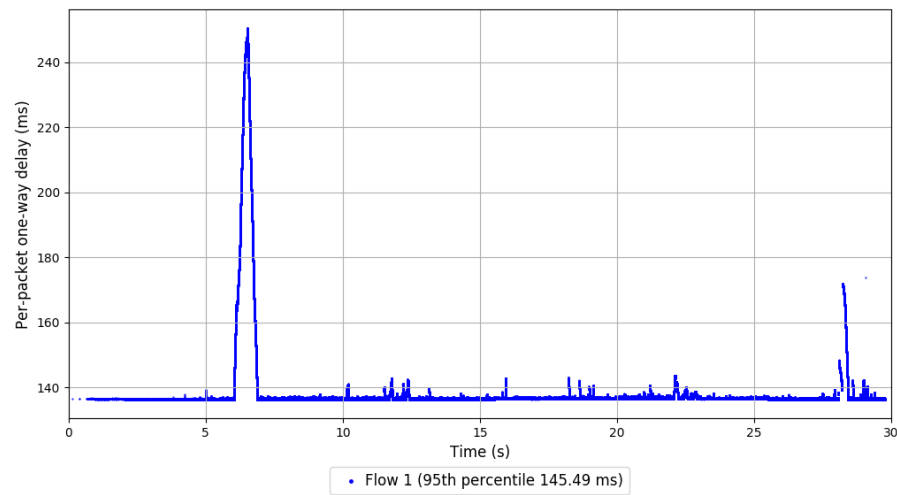
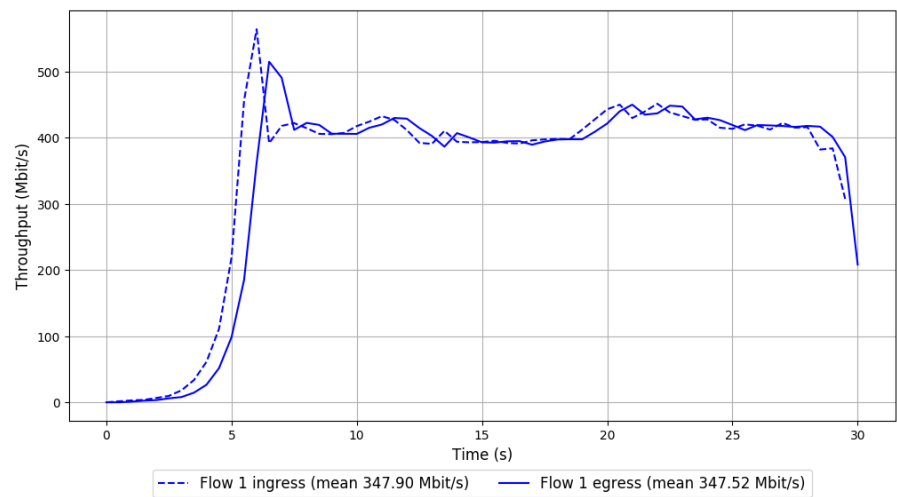


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-11 16:22:58
End at: 2018-08-11 16:23:28
Local clock offset: -0.693 ms
Remote clock offset: -0.183 ms

Below is generated by plot.py at 2018-08-11 20:21:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 347.52 Mbit/s
95th percentile per-packet one-way delay: 145.489 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 347.52 Mbit/s
95th percentile per-packet one-way delay: 145.489 ms
Loss rate: 1.02%

Run 5: Report of PCC-Vivace — Data Link

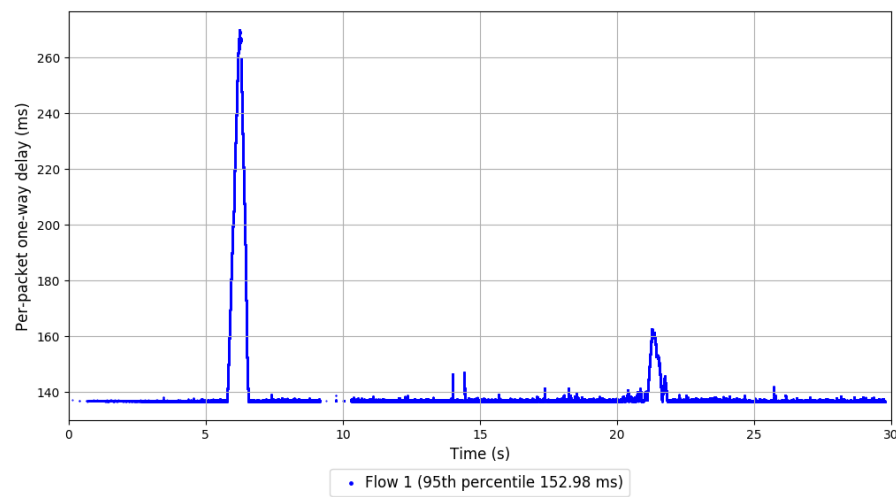
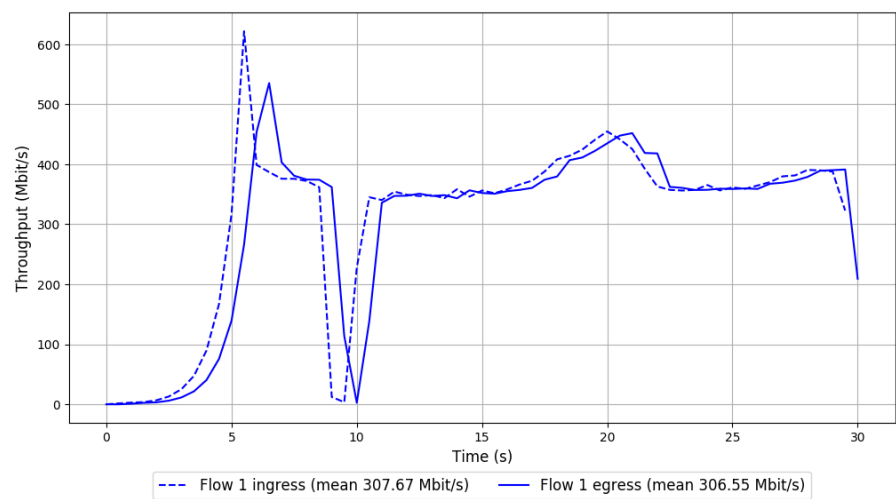


Run 6: Statistics of PCC-Vivace

Start at: 2018-08-11 16:46:39
End at: 2018-08-11 16:47:09
Local clock offset: -0.659 ms
Remote clock offset: -0.605 ms

Below is generated by plot.py at 2018-08-11 20:21:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 306.55 Mbit/s
95th percentile per-packet one-way delay: 152.983 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 306.55 Mbit/s
95th percentile per-packet one-way delay: 152.983 ms
Loss rate: 1.27%

Run 6: Report of PCC-Vivace — Data Link

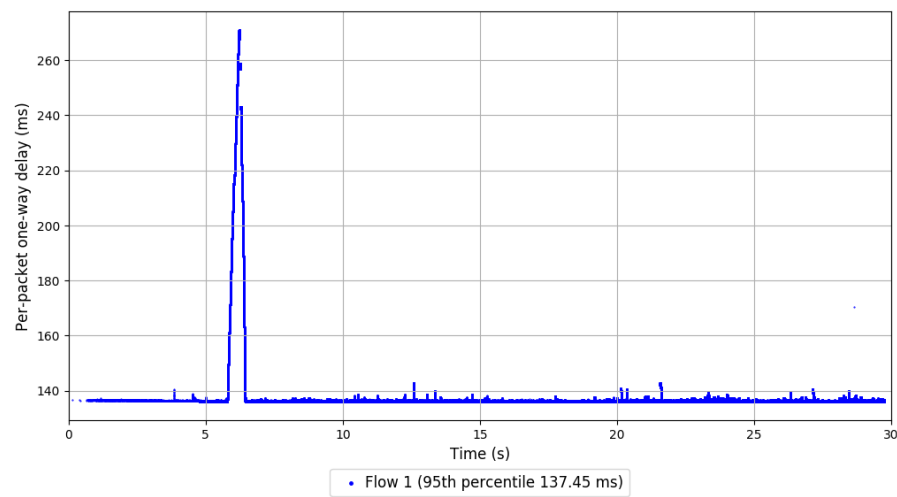
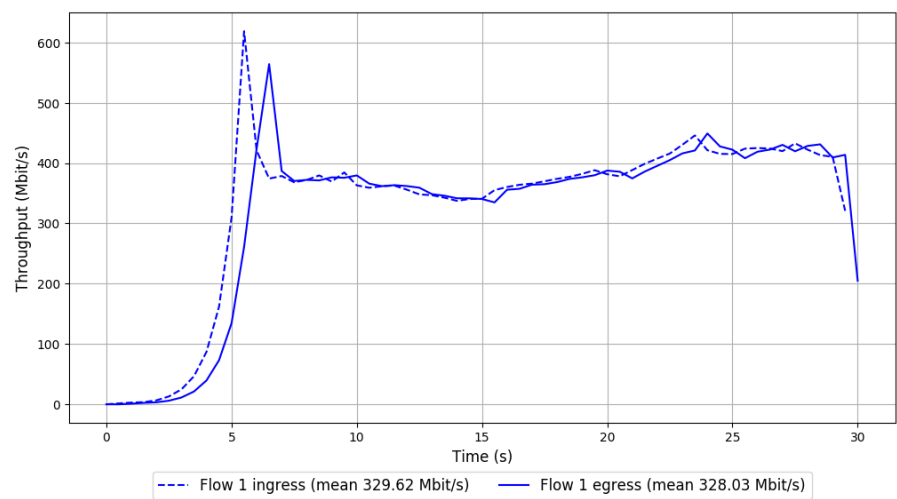


Run 7: Statistics of PCC-Vivace

Start at: 2018-08-11 17:09:58
End at: 2018-08-11 17:10:28
Local clock offset: -0.91 ms
Remote clock offset: -0.212 ms

Below is generated by plot.py at 2018-08-11 20:21:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 328.03 Mbit/s
95th percentile per-packet one-way delay: 137.446 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 328.03 Mbit/s
95th percentile per-packet one-way delay: 137.446 ms
Loss rate: 1.39%

Run 7: Report of PCC-Vivace — Data Link

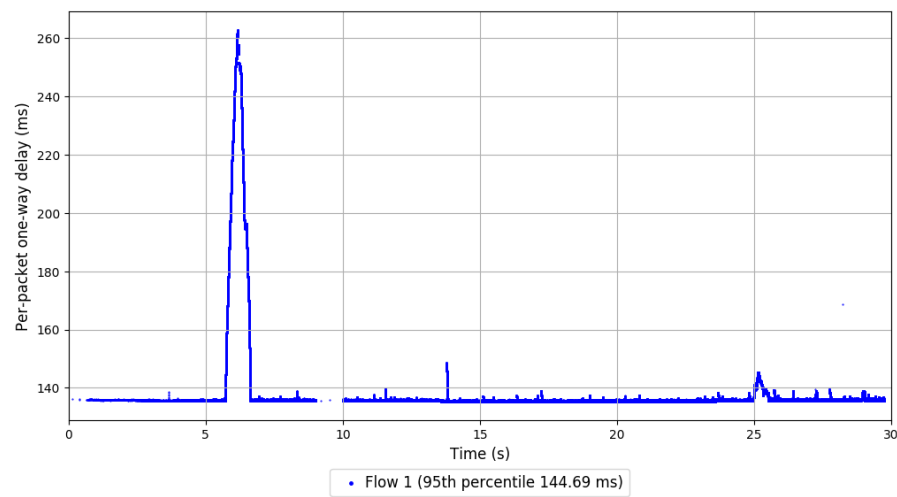
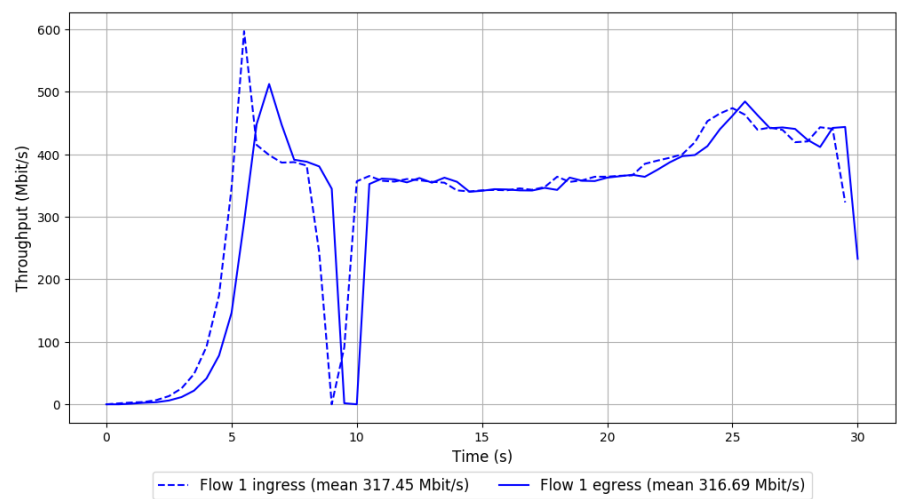


Run 8: Statistics of PCC-Vivace

Start at: 2018-08-11 17:33:50
End at: 2018-08-11 17:34:20
Local clock offset: -0.305 ms
Remote clock offset: -0.206 ms

Below is generated by plot.py at 2018-08-11 20:21:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 316.69 Mbit/s
95th percentile per-packet one-way delay: 144.686 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 316.69 Mbit/s
95th percentile per-packet one-way delay: 144.686 ms
Loss rate: 1.15%

Run 8: Report of PCC-Vivace — Data Link

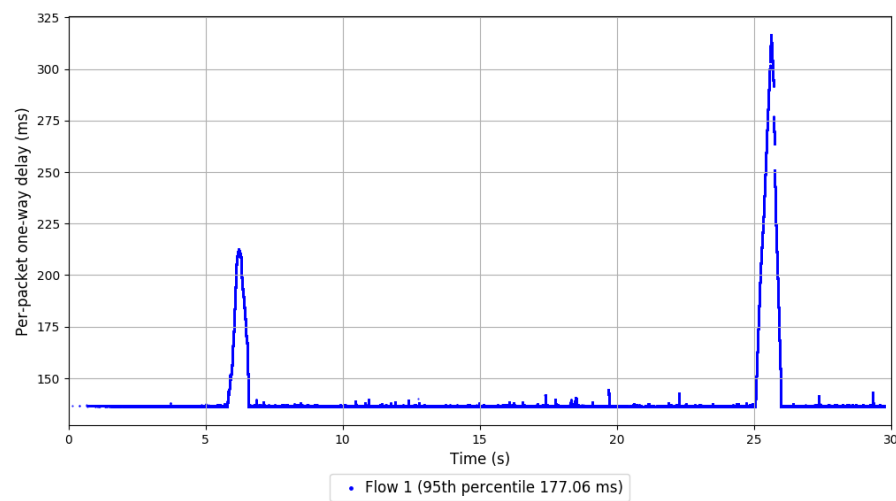
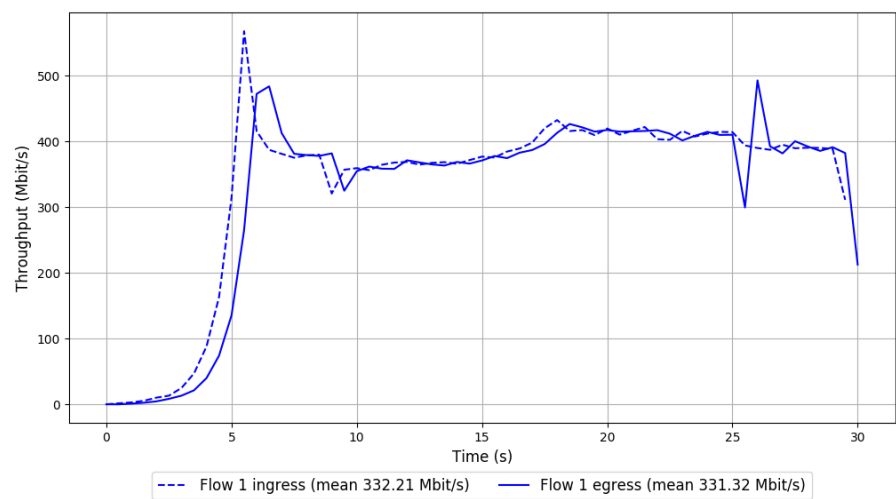


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-11 17:57:14
End at: 2018-08-11 17:57:44
Local clock offset: 0.406 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2018-08-11 20:22:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 331.32 Mbit/s
95th percentile per-packet one-way delay: 177.057 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 331.32 Mbit/s
95th percentile per-packet one-way delay: 177.057 ms
Loss rate: 1.18%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-08-11 18:20:19

End at: 2018-08-11 18:20:49

Local clock offset: 0.555 ms

Remote clock offset: -0.259 ms

Below is generated by plot.py at 2018-08-11 20:22:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 312.42 Mbit/s

95th percentile per-packet one-way delay: 138.789 ms

Loss rate: 1.07%

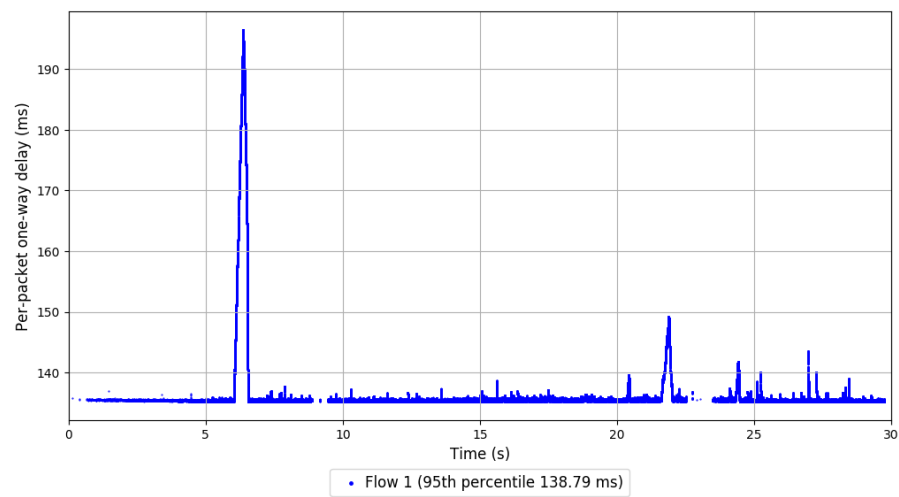
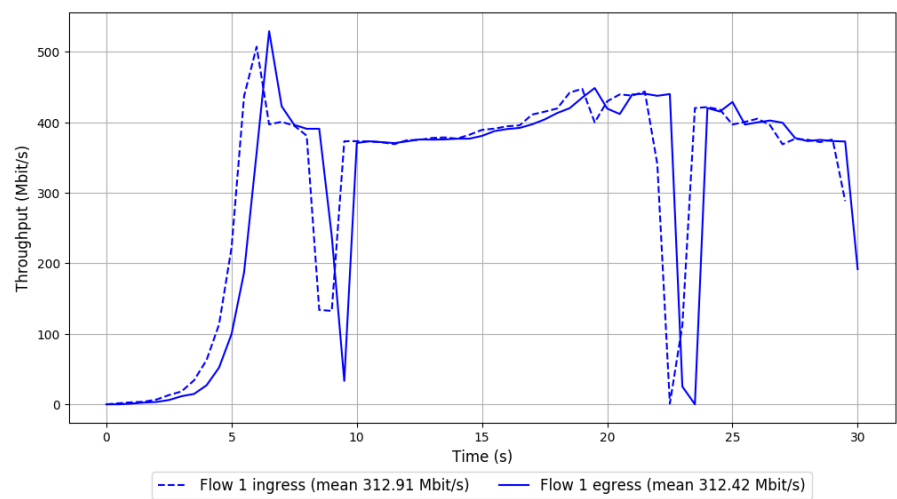
-- Flow 1:

Average throughput: 312.42 Mbit/s

95th percentile per-packet one-way delay: 138.789 ms

Loss rate: 1.07%

Run 10: Report of PCC-Vivace — Data Link

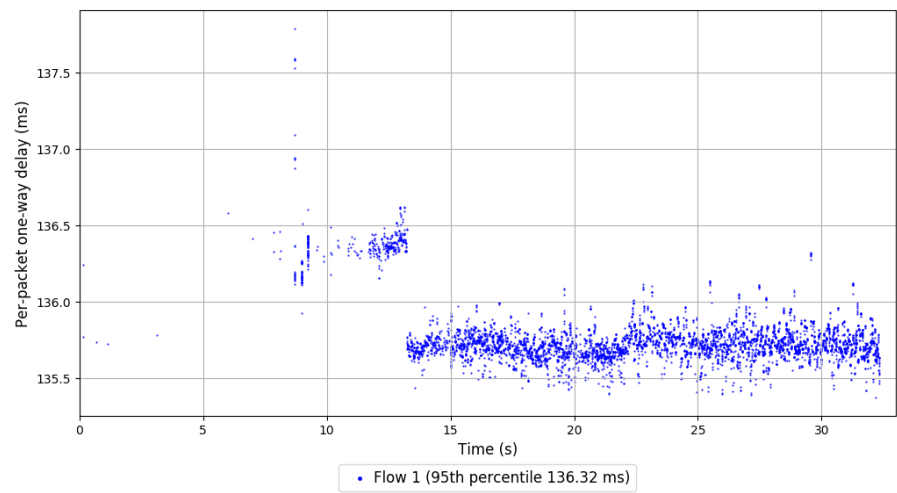
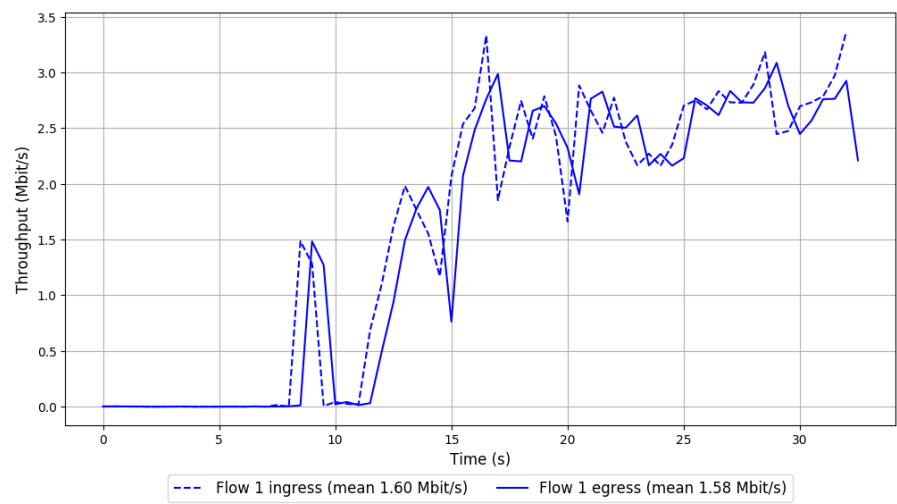


Run 1: Statistics of WebRTC media

Start at: 2018-08-11 14:43:03
End at: 2018-08-11 14:43:33
Local clock offset: -0.492 ms
Remote clock offset: -0.571 ms

Below is generated by plot.py at 2018-08-11 20:22:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 136.323 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 136.323 ms
Loss rate: 1.90%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-08-11 15:06:41

End at: 2018-08-11 15:07:12

Local clock offset: -0.389 ms

Remote clock offset: 0.196 ms

Below is generated by plot.py at 2018-08-11 20:22:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 136.009 ms

Loss rate: 0.90%

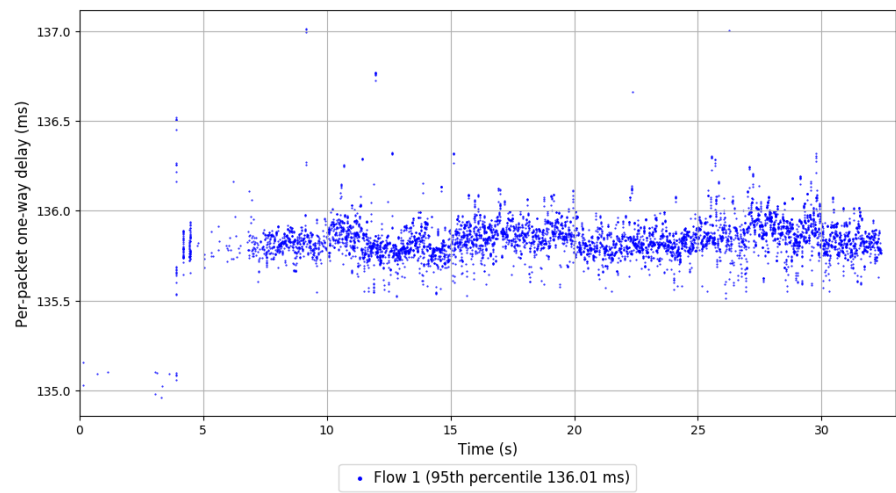
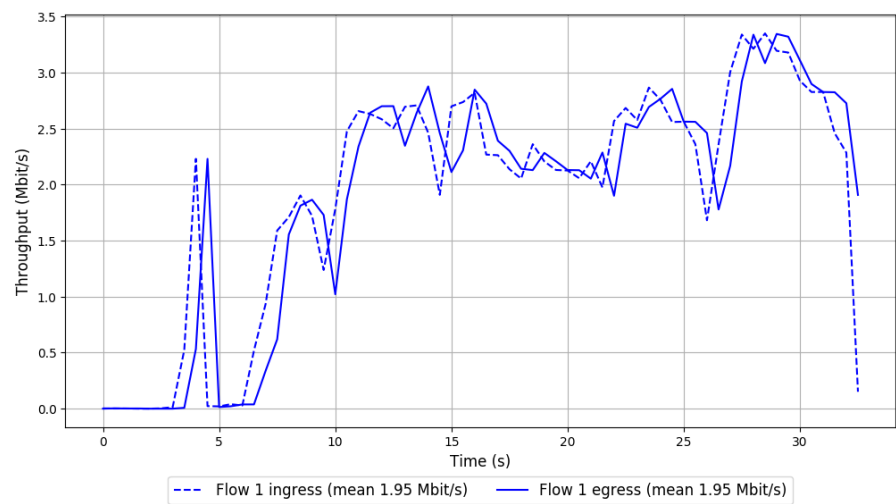
-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 136.009 ms

Loss rate: 0.90%

Run 2: Report of WebRTC media — Data Link

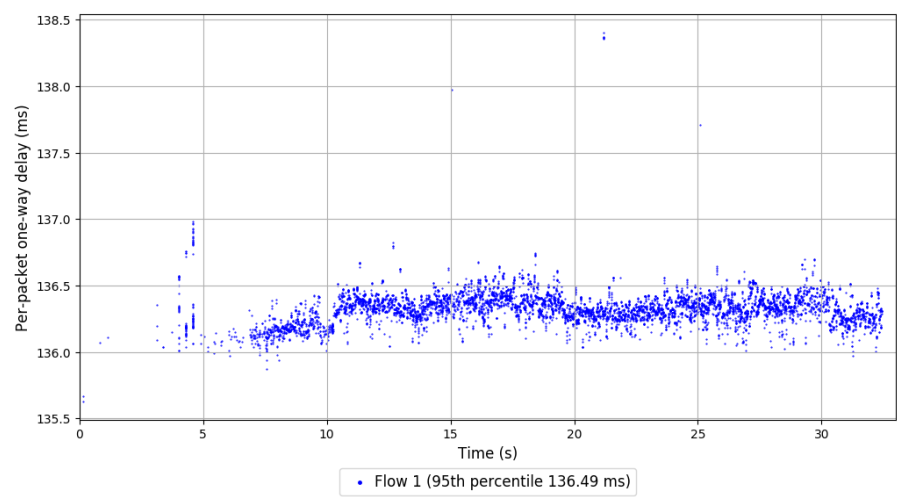
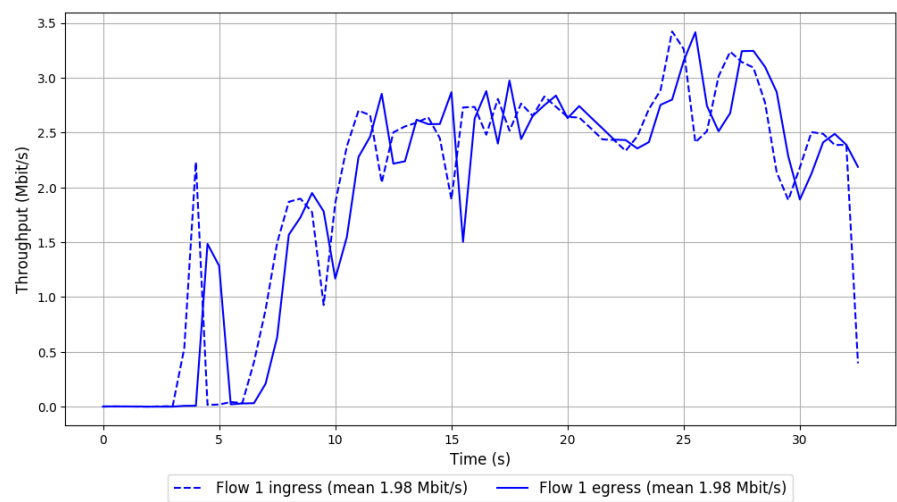


Run 3: Statistics of WebRTC media

Start at: 2018-08-11 15:30:46
End at: 2018-08-11 15:31:16
Local clock offset: -0.407 ms
Remote clock offset: -0.285 ms

Below is generated by plot.py at 2018-08-11 20:22:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 136.494 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 136.494 ms
Loss rate: 1.00%

Run 3: Report of WebRTC media — Data Link

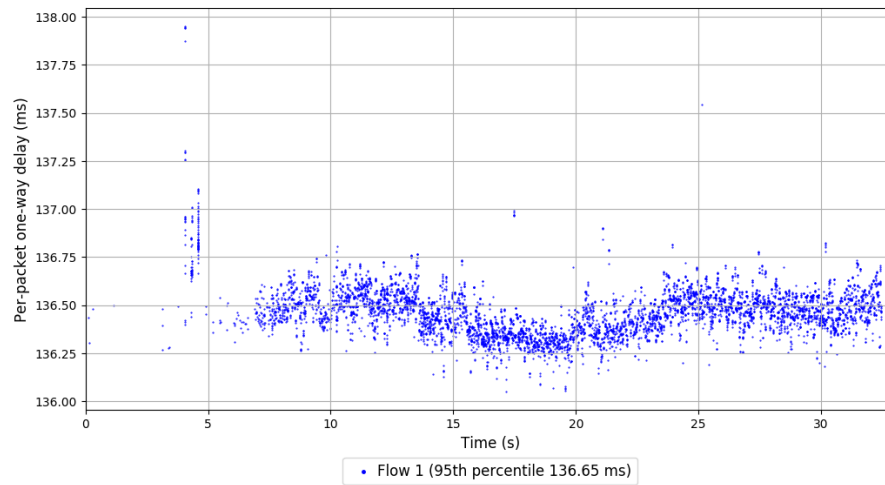
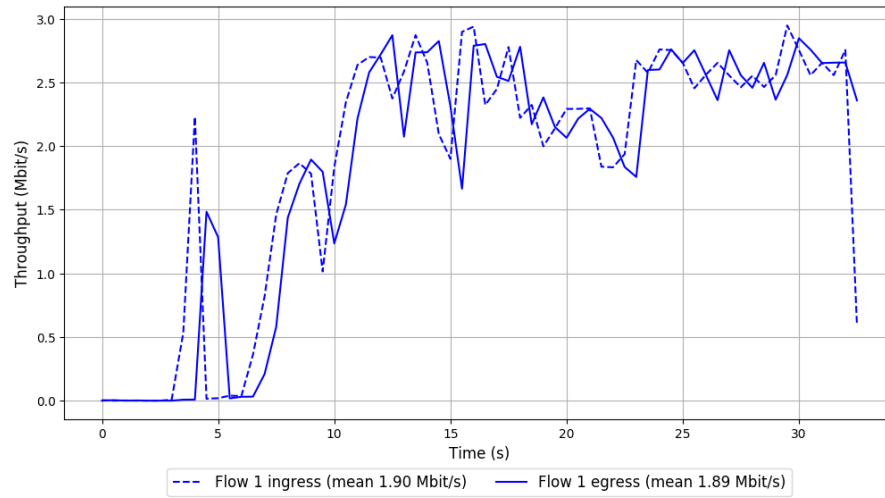


Run 4: Statistics of WebRTC media

Start at: 2018-08-11 15:54:52
End at: 2018-08-11 15:55:22
Local clock offset: -0.71 ms
Remote clock offset: -0.136 ms

Below is generated by plot.py at 2018-08-11 20:22:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 136.647 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 136.647 ms
Loss rate: 1.27%

Run 4: Report of WebRTC media — Data Link

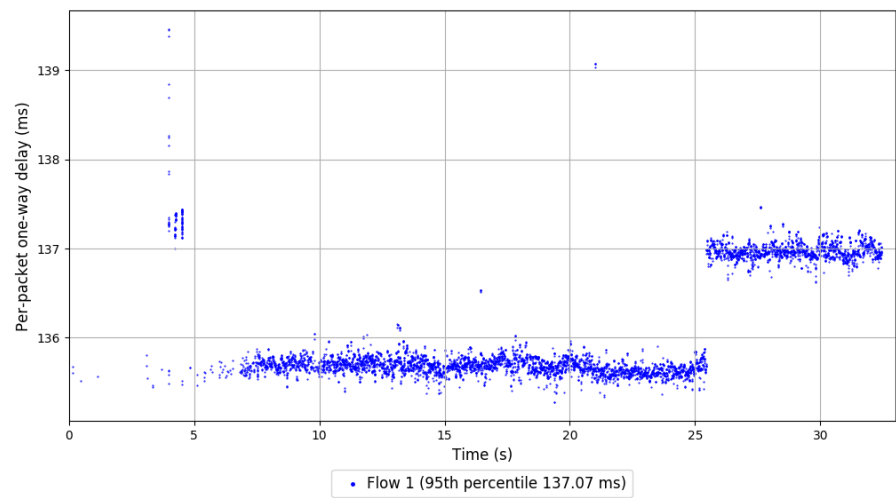
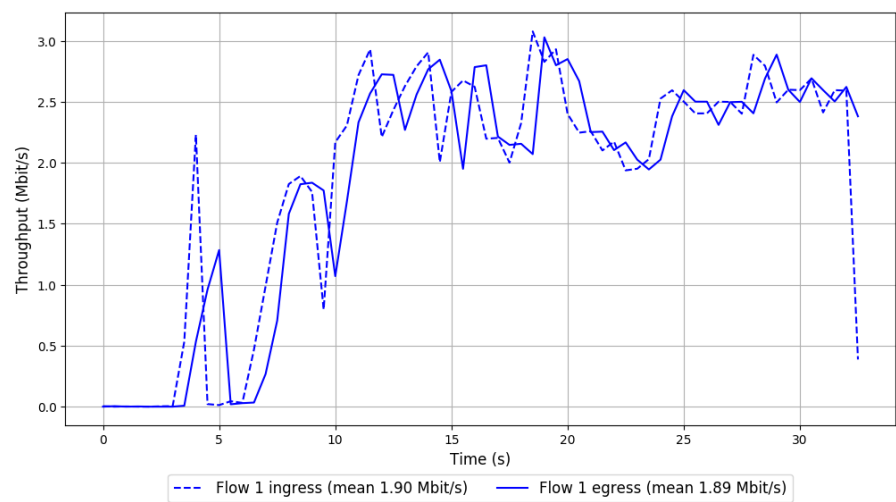


Run 5: Statistics of WebRTC media

Start at: 2018-08-11 16:18:30
End at: 2018-08-11 16:19:00
Local clock offset: -0.554 ms
Remote clock offset: -0.417 ms

Below is generated by plot.py at 2018-08-11 20:22:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 137.075 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 137.075 ms
Loss rate: 1.01%

Run 5: Report of WebRTC media — Data Link

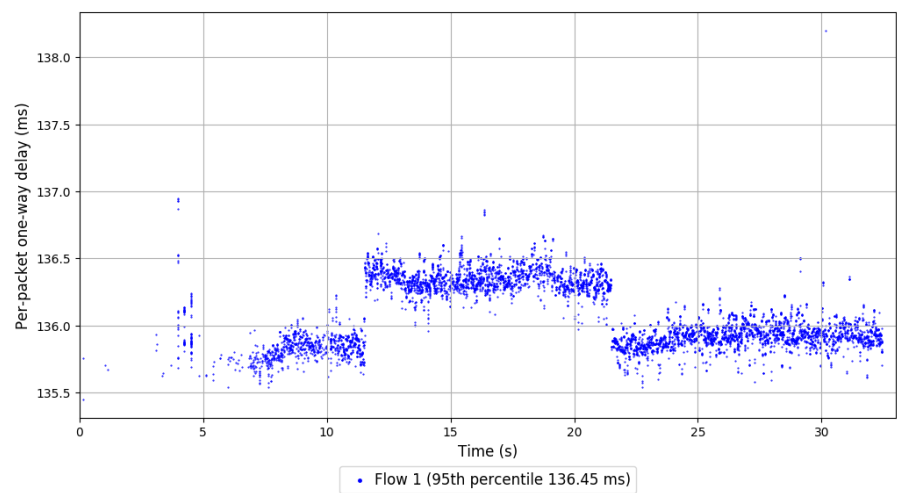
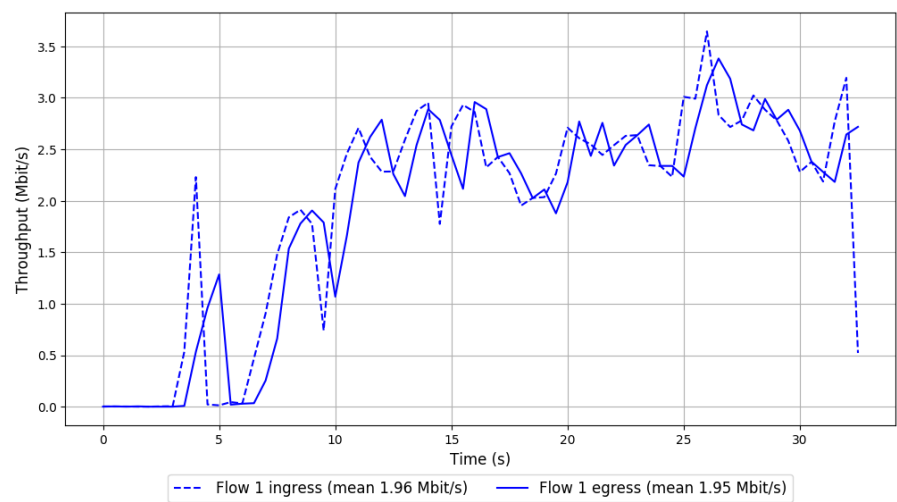


Run 6: Statistics of WebRTC media

Start at: 2018-08-11 16:42:14
End at: 2018-08-11 16:42:44
Local clock offset: -0.819 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2018-08-11 20:22:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 136.453 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 136.453 ms
Loss rate: 1.42%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-08-11 17:05:43

End at: 2018-08-11 17:06:13

Local clock offset: -0.78 ms

Remote clock offset: 0.138 ms

Below is generated by plot.py at 2018-08-11 20:22:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 136.396 ms

Loss rate: 0.98%

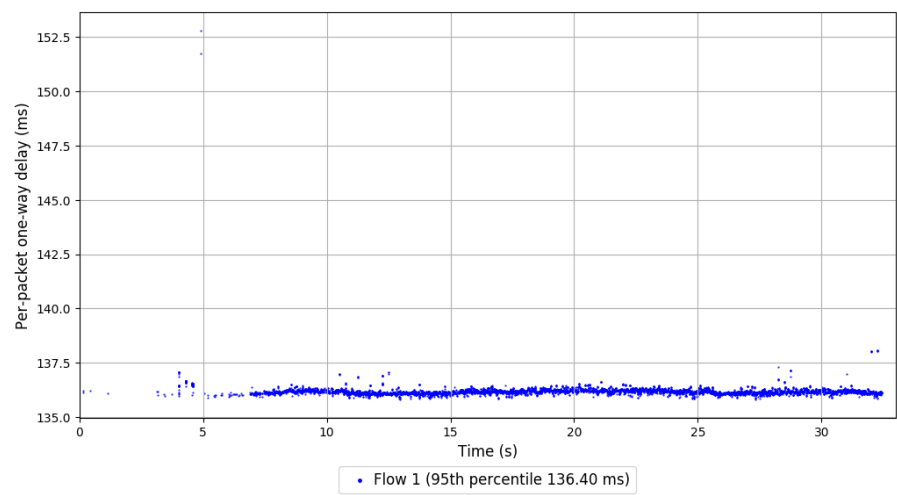
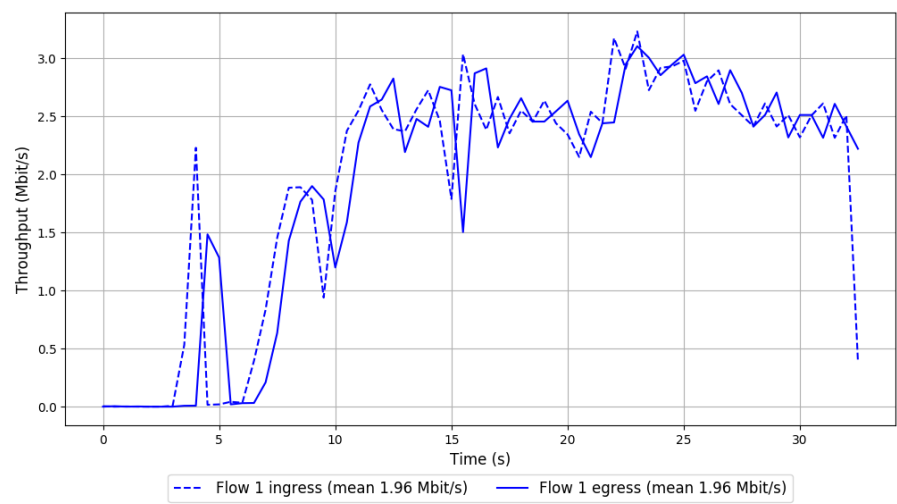
-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 136.396 ms

Loss rate: 0.98%

Run 7: Report of WebRTC media — Data Link

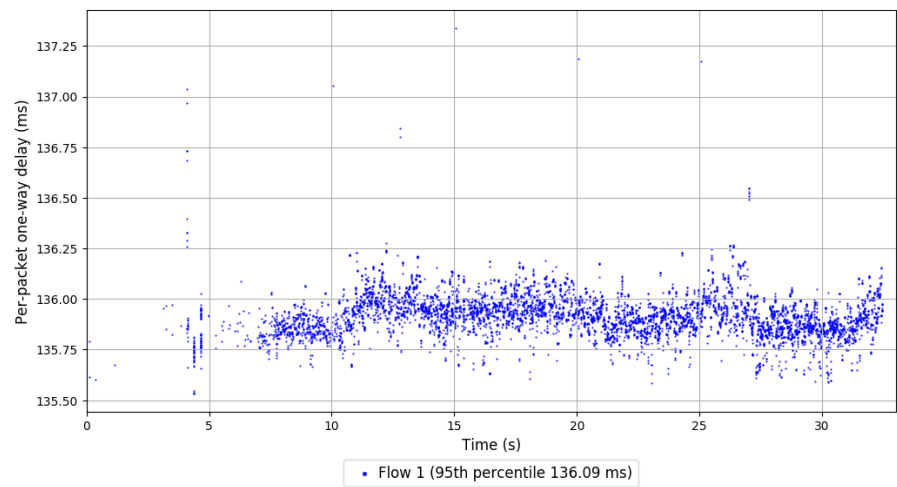
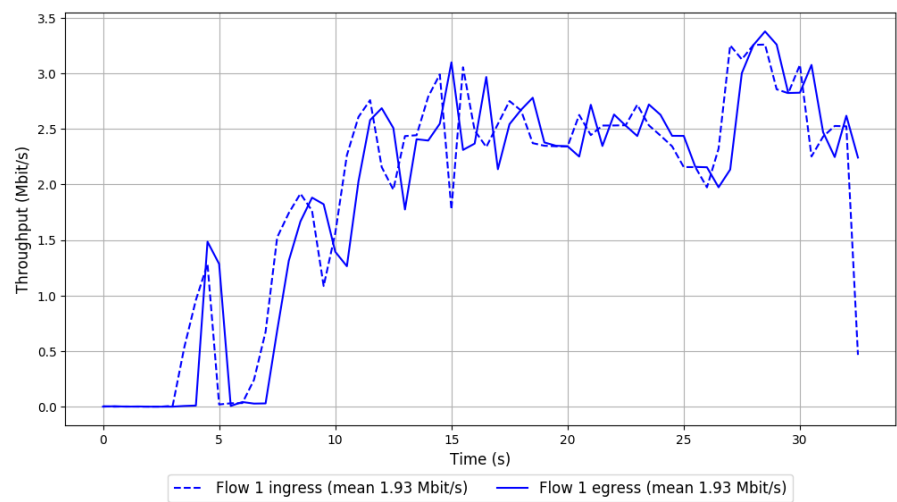


Run 8: Statistics of WebRTC media

Start at: 2018-08-11 17:29:25
End at: 2018-08-11 17:29:55
Local clock offset: -0.738 ms
Remote clock offset: -0.158 ms

Below is generated by plot.py at 2018-08-11 20:22:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 136.085 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 136.085 ms
Loss rate: 1.11%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-08-11 17:52:49

End at: 2018-08-11 17:53:19

Local clock offset: 0.307 ms

Remote clock offset: 0.292 ms

Below is generated by plot.py at 2018-08-11 20:22:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 136.037 ms

Loss rate: 1.42%

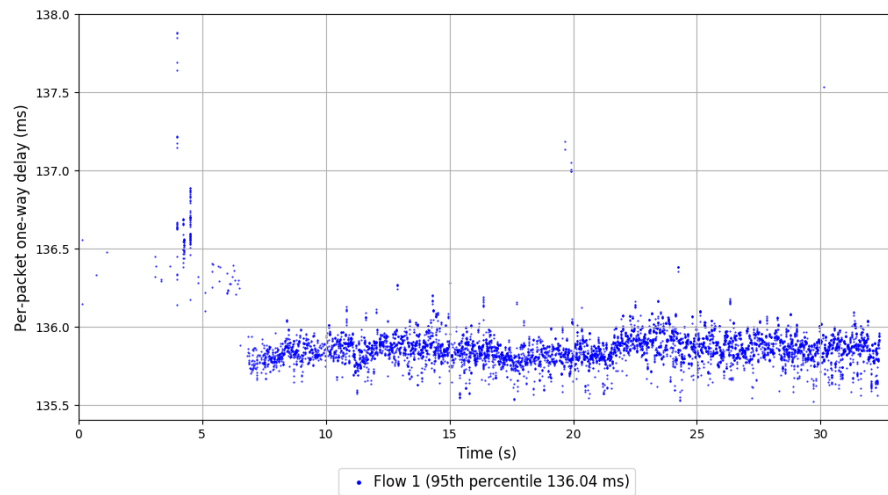
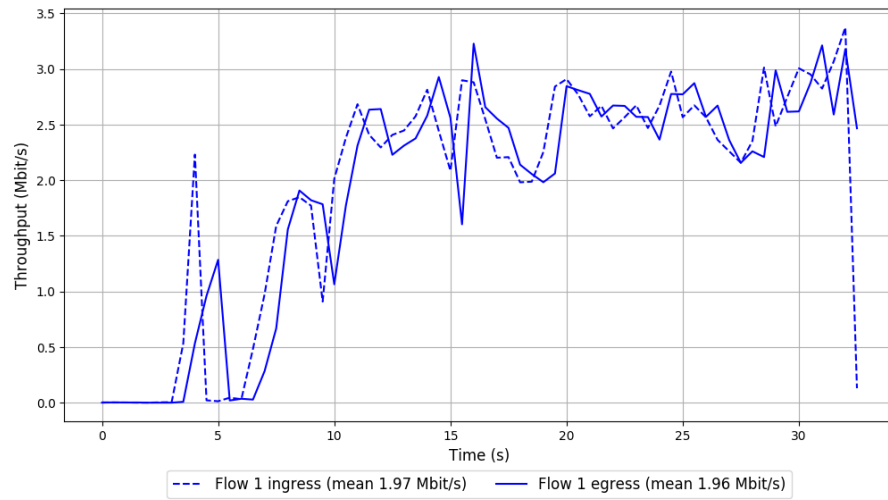
-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 136.037 ms

Loss rate: 1.42%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-11 18:16:11

End at: 2018-08-11 18:16:41

Local clock offset: 0.761 ms

Remote clock offset: -0.22 ms

Below is generated by plot.py at 2018-08-11 20:22:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 136.761 ms

Loss rate: 1.20%

-- Flow 1:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 136.761 ms

Loss rate: 1.20%

Run 10: Report of WebRTC media — Data Link

