

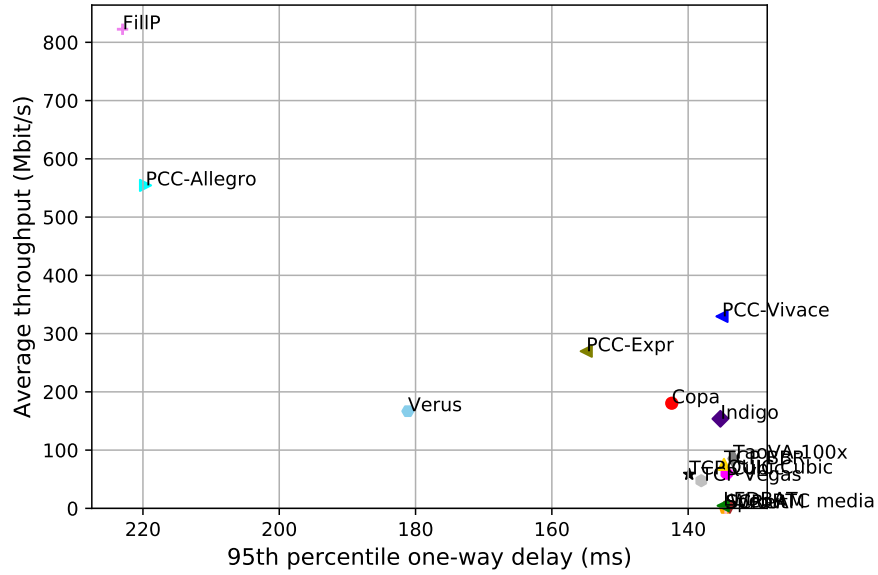
Pantheon Report

Generated at 2018-05-31 10:48:22 (UTC).
Data path: GCE Sydney Ethernet (*local*) → GCE London Ethernet (*remote*).
Repeated the test of 16 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
NTP offsets were measured against `time.google.com` and have been applied
to correct the timestamps in logs.

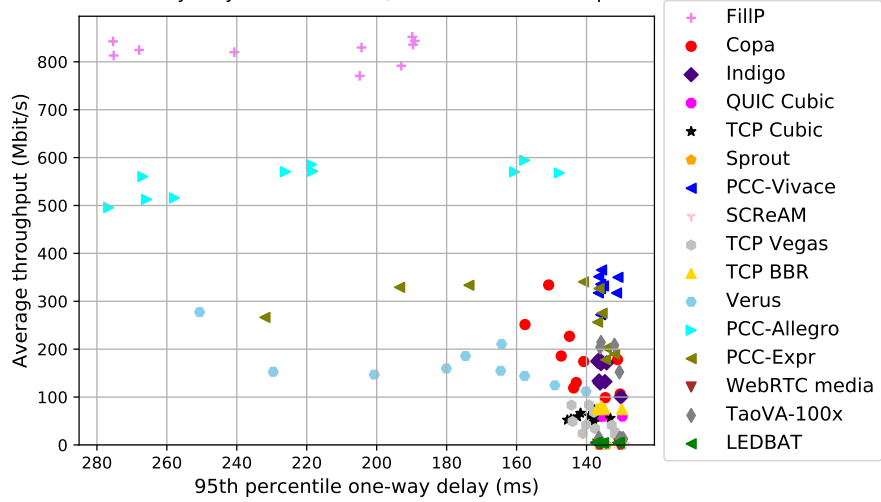
Git summary:

```
branch: master @ 227fdf9a3757f17b88537cceed5743a33037a3d2
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



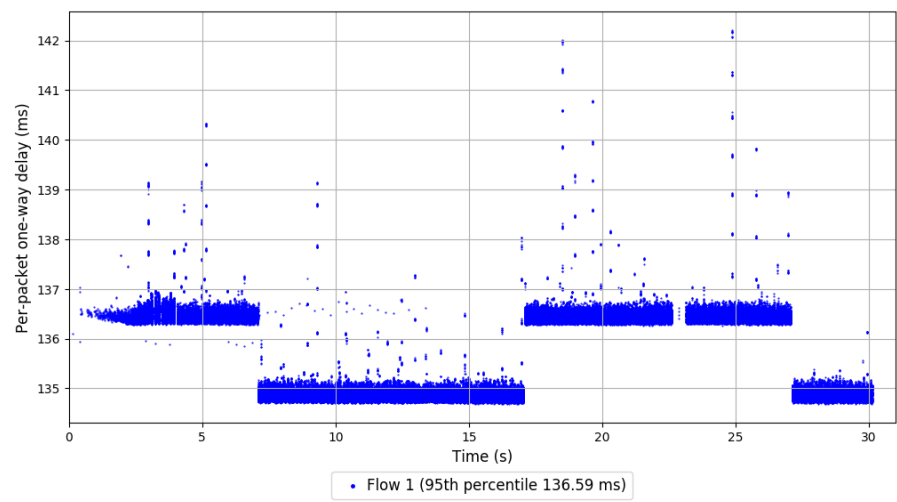
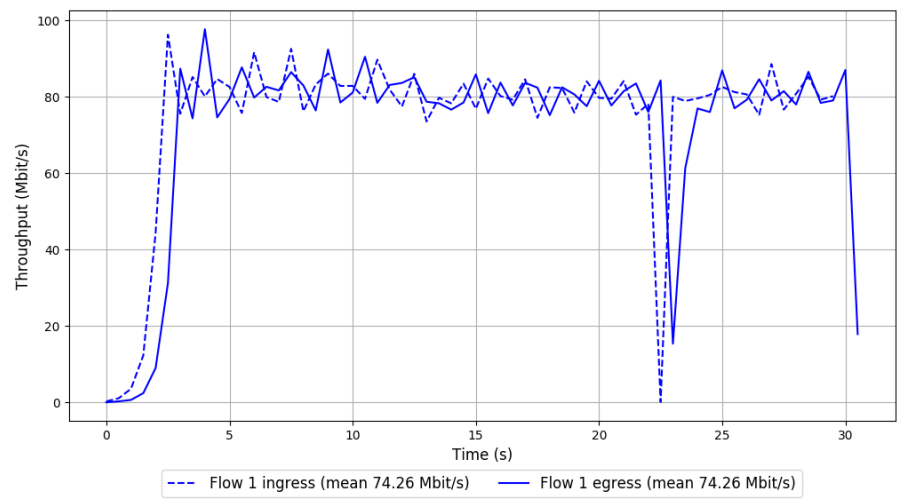
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	75.61	134.74	0.00
Copa	10	180.47	142.41	0.00
TCP Cubic	10	58.29	139.84	0.00
FillP	10	822.44	222.99	0.85
Indigo	10	153.75	135.27	0.00
LEDBAT	10	4.62	134.87	0.00
PCC-Allegro	10	554.42	219.62	1.54
PCC-Expr	10	269.70	154.96	0.11
QUIC Cubic	4	59.78	134.34	0.00
SCReAM	10	0.22	134.48	0.00
Sprout	10	0.17	134.59	0.00
TaoVA-100x	10	85.42	133.41	0.00
TCP Vegas	10	47.47	138.07	0.01
Verus	10	166.83	181.13	0.71
PCC-Vivace	10	329.53	135.04	0.02
WebRTC media	10	1.84	133.88	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-05-31 05:50:42
End at: 2018-05-31 05:51:12
Local clock offset: -0.218 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-05-31 09:34:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.26 Mbit/s
95th percentile per-packet one-way delay: 136.589 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 74.26 Mbit/s
95th percentile per-packet one-way delay: 136.589 ms
Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-05-31 06:11:54

End at: 2018-05-31 06:12:24

Local clock offset: 6.026 ms

Remote clock offset: -0.349 ms

Below is generated by plot.py at 2018-05-31 09:34:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.34 Mbit/s

95th percentile per-packet one-way delay: 129.904 ms

Loss rate: 0.00%

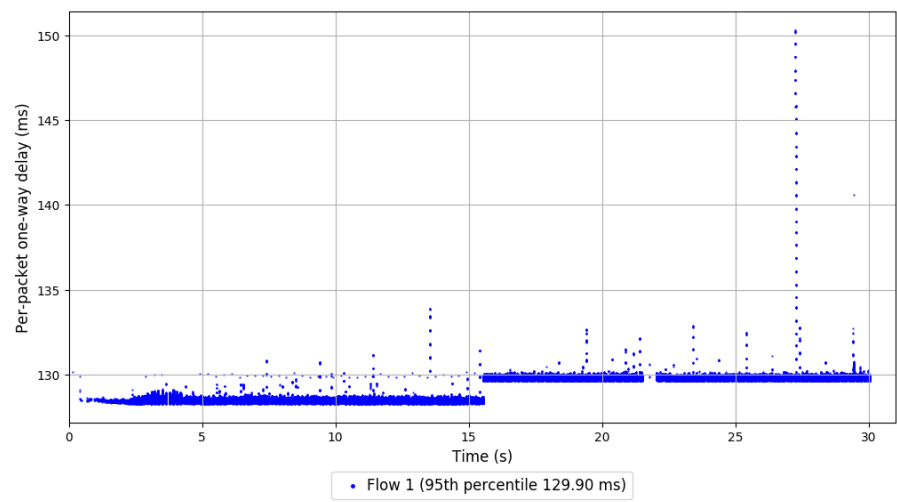
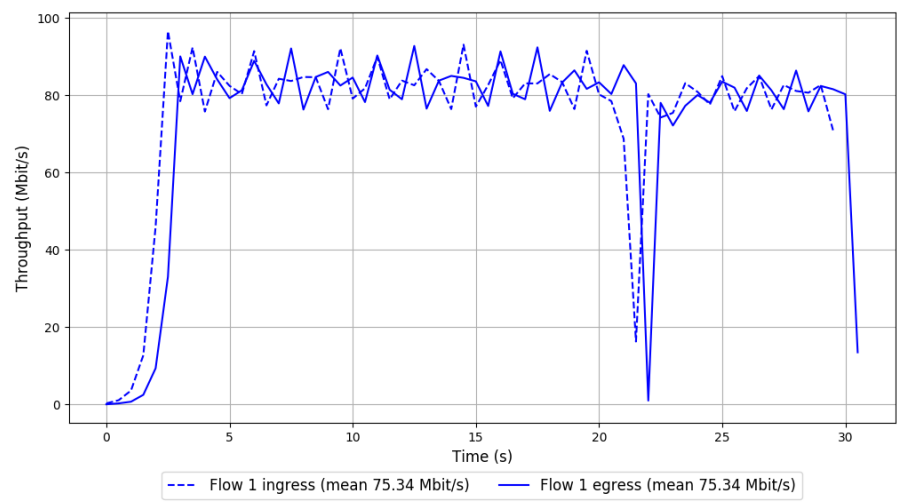
-- Flow 1:

Average throughput: 75.34 Mbit/s

95th percentile per-packet one-way delay: 129.904 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-05-31 06:33:09

End at: 2018-05-31 06:33:39

Local clock offset: 1.642 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-05-31 09:34:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.31 Mbit/s

95th percentile per-packet one-way delay: 134.802 ms

Loss rate: 0.00%

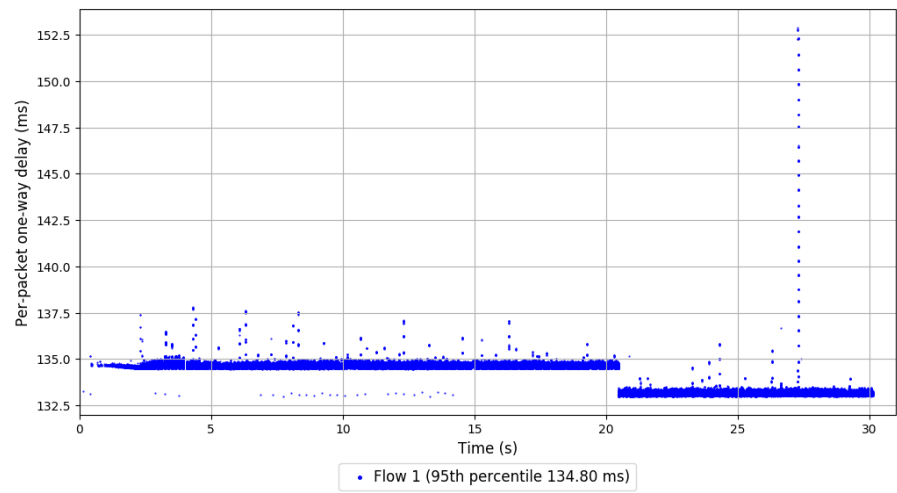
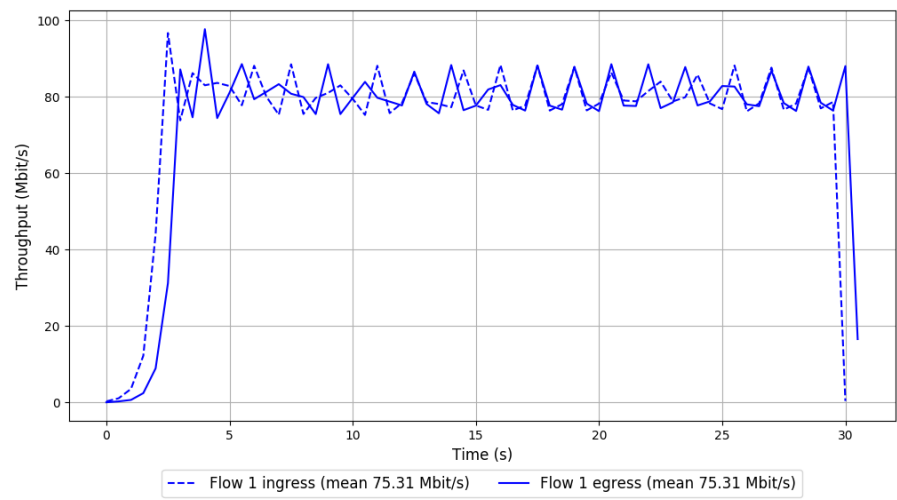
-- Flow 1:

Average throughput: 75.31 Mbit/s

95th percentile per-packet one-way delay: 134.802 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link

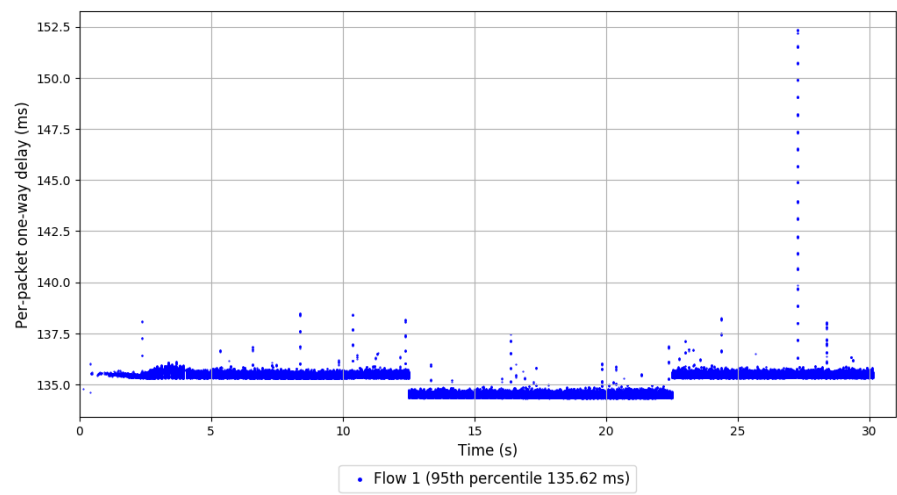
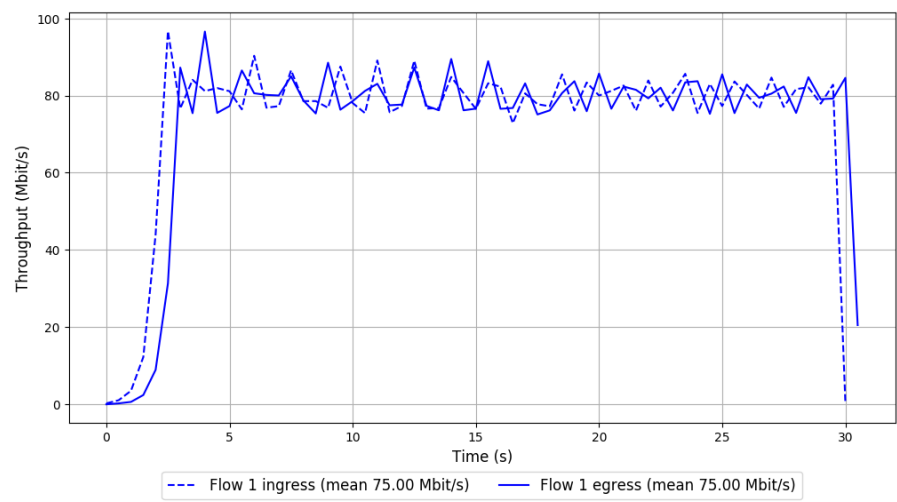


Run 4: Statistics of TCP BBR

Start at: 2018-05-31 06:54:37
End at: 2018-05-31 06:55:07
Local clock offset: -0.071 ms
Remote clock offset: -0.386 ms

Below is generated by plot.py at 2018-05-31 09:34:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.00 Mbit/s
95th percentile per-packet one-way delay: 135.623 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 75.00 Mbit/s
95th percentile per-packet one-way delay: 135.623 ms
Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link

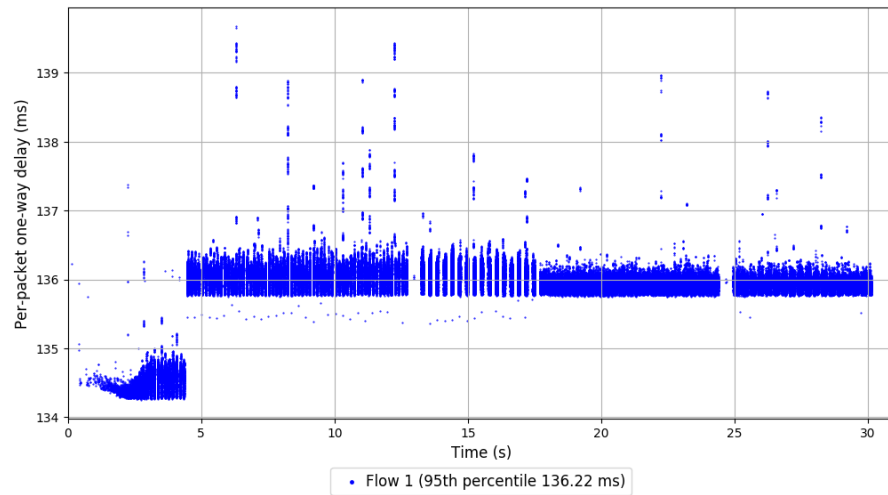
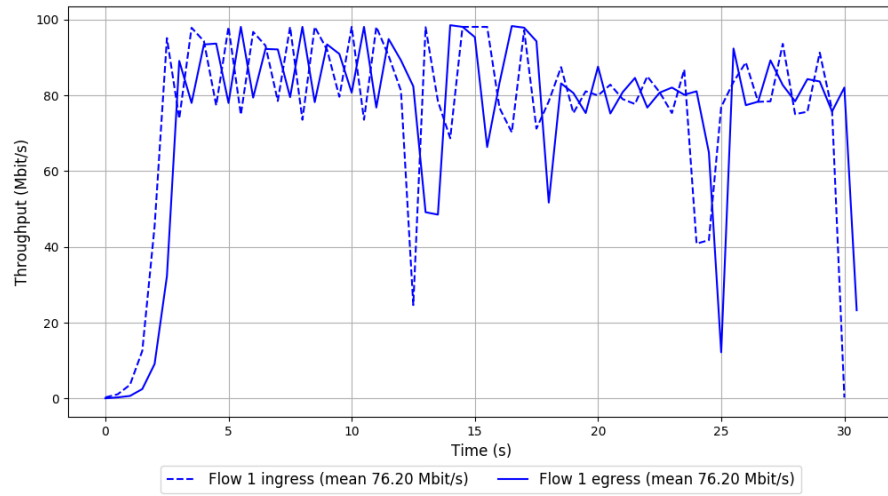


Run 5: Statistics of TCP BBR

Start at: 2018-05-31 07:16:15
End at: 2018-05-31 07:16:45
Local clock offset: -0.001 ms
Remote clock offset: -0.395 ms

Below is generated by plot.py at 2018-05-31 09:34:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.20 Mbit/s
95th percentile per-packet one-way delay: 136.220 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.20 Mbit/s
95th percentile per-packet one-way delay: 136.220 ms
Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link

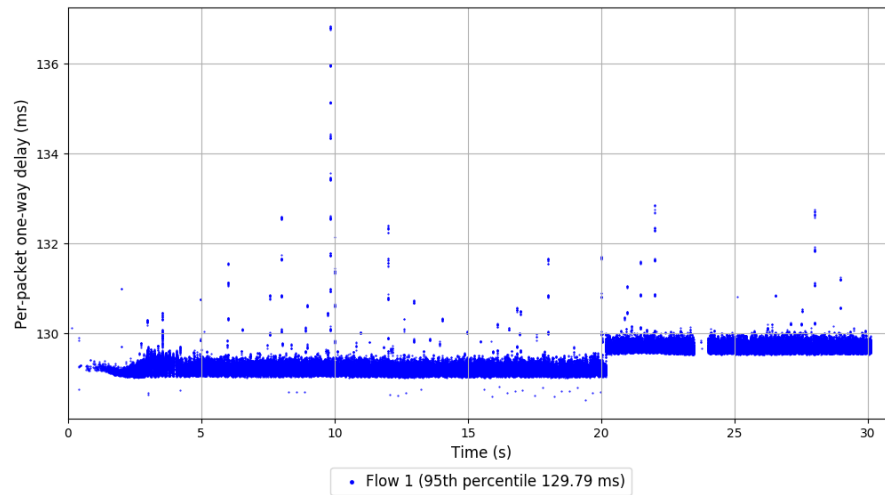
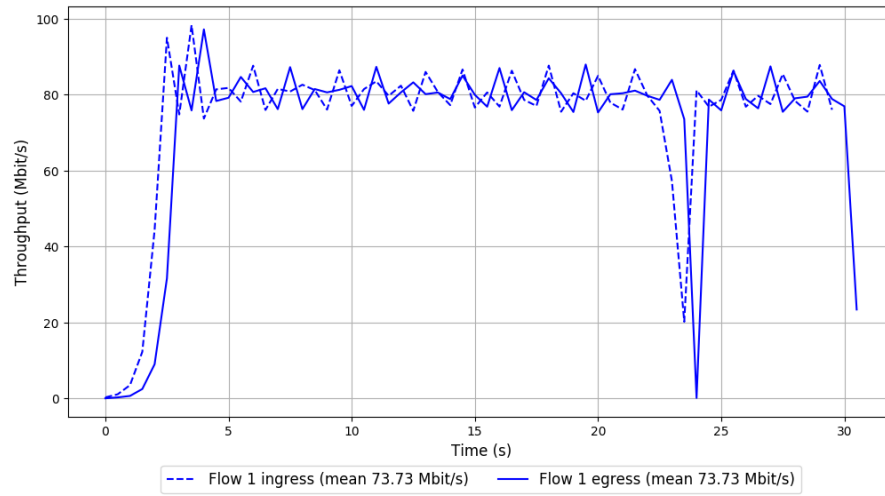


Run 6: Statistics of TCP BBR

Start at: 2018-05-31 07:37:49
End at: 2018-05-31 07:38:19
Local clock offset: 6.12 ms
Remote clock offset: -0.445 ms

Below is generated by plot.py at 2018-05-31 09:34:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.73 Mbit/s
95th percentile per-packet one-way delay: 129.791 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.73 Mbit/s
95th percentile per-packet one-way delay: 129.791 ms
Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

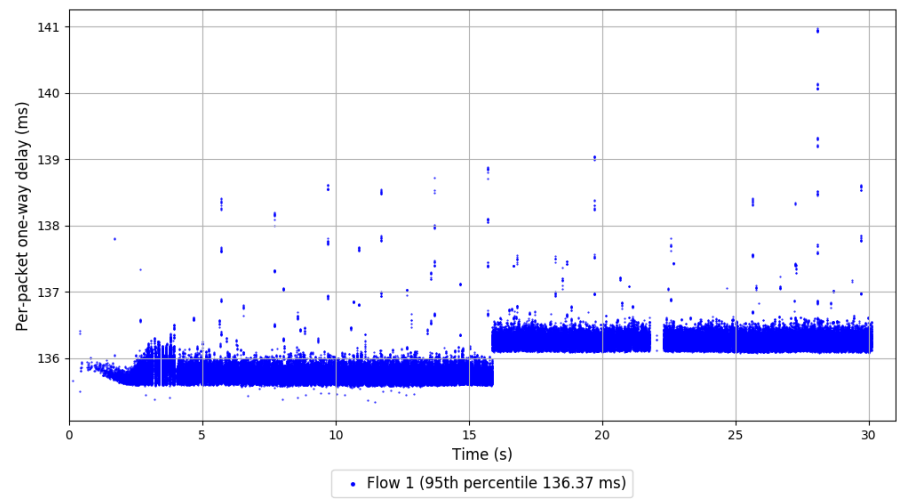
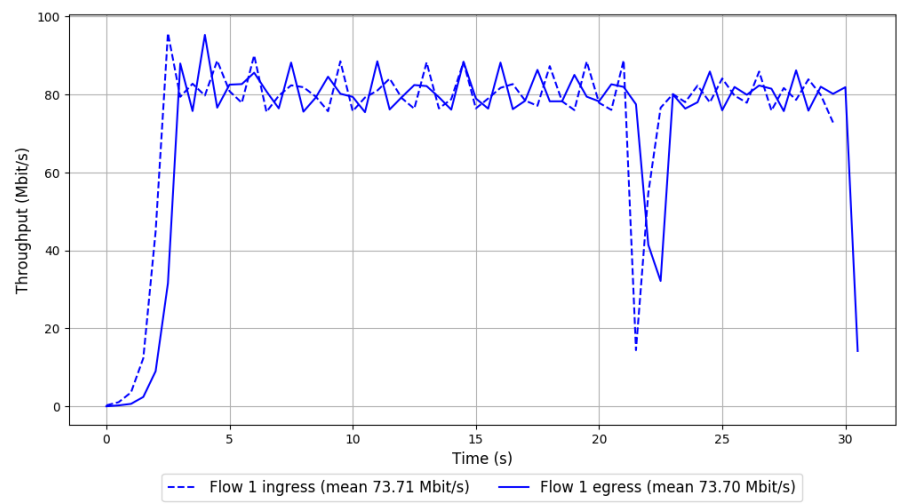


Run 7: Statistics of TCP BBR

Start at: 2018-05-31 07:59:23
End at: 2018-05-31 07:59:53
Local clock offset: -0.018 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-05-31 09:34:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.70 Mbit/s
95th percentile per-packet one-way delay: 136.371 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.70 Mbit/s
95th percentile per-packet one-way delay: 136.371 ms
Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link

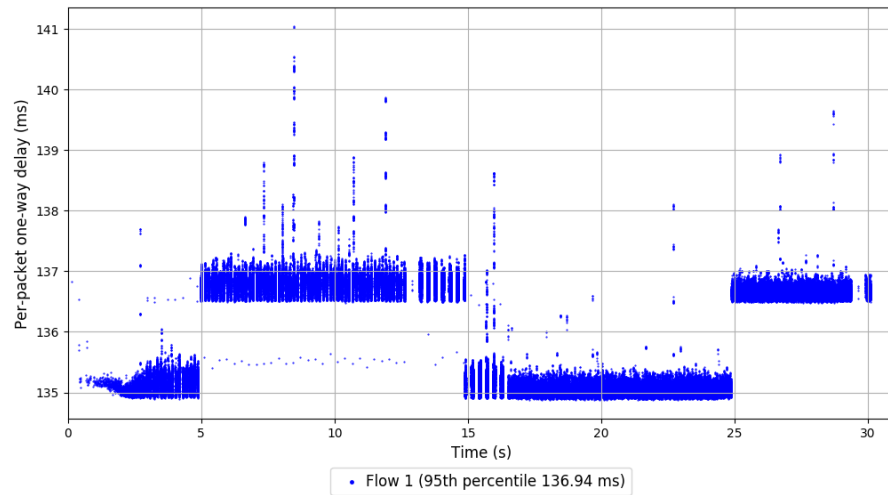
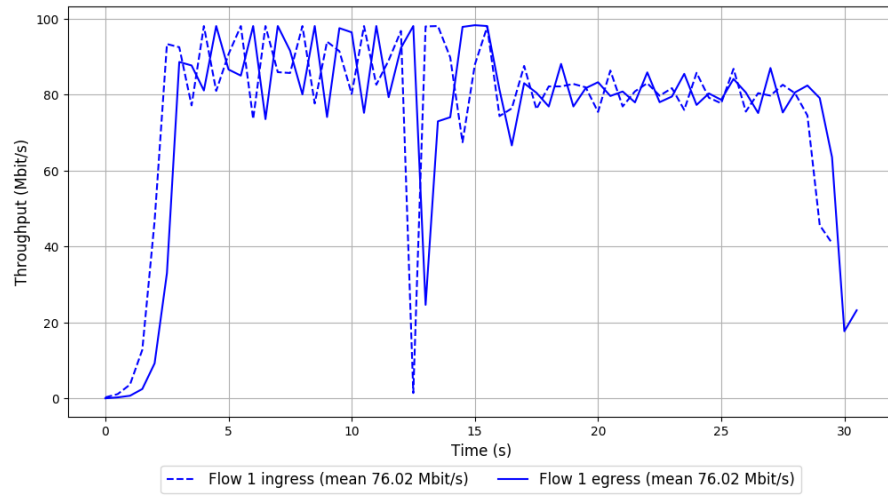


Run 8: Statistics of TCP BBR

Start at: 2018-05-31 08:20:34
End at: 2018-05-31 08:21:04
Local clock offset: -0.304 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2018-05-31 09:34:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.02 Mbit/s
95th percentile per-packet one-way delay: 136.939 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.02 Mbit/s
95th percentile per-packet one-way delay: 136.939 ms
Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link

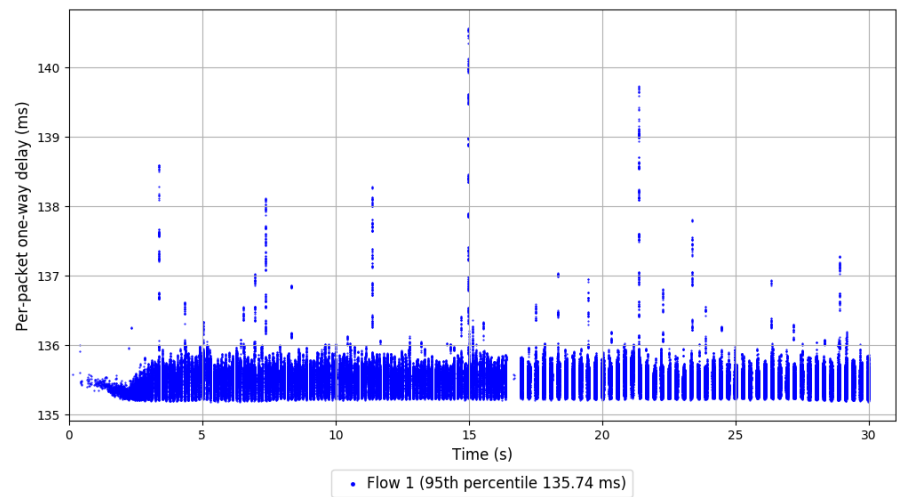
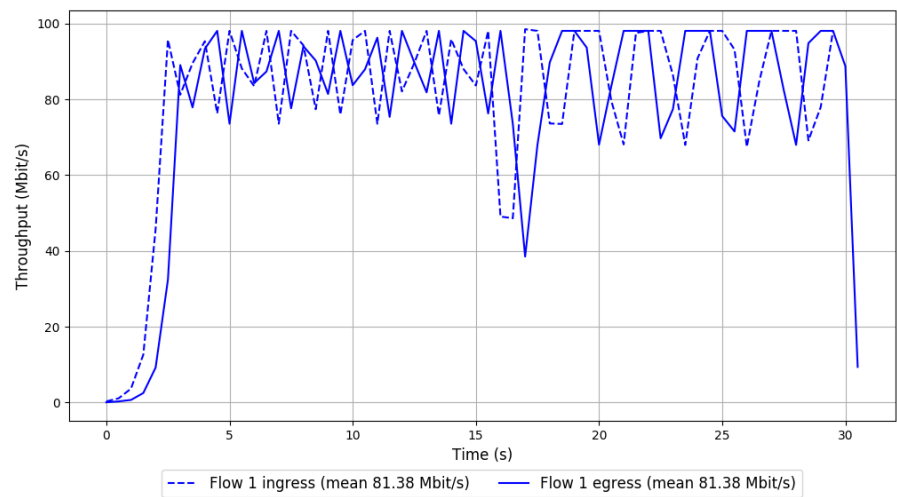


Run 9: Statistics of TCP BBR

Start at: 2018-05-31 08:41:32
End at: 2018-05-31 08:42:02
Local clock offset: 0.01 ms
Remote clock offset: -0.529 ms

Below is generated by plot.py at 2018-05-31 09:35:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.38 Mbit/s
95th percentile per-packet one-way delay: 135.736 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 81.38 Mbit/s
95th percentile per-packet one-way delay: 135.736 ms
Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link

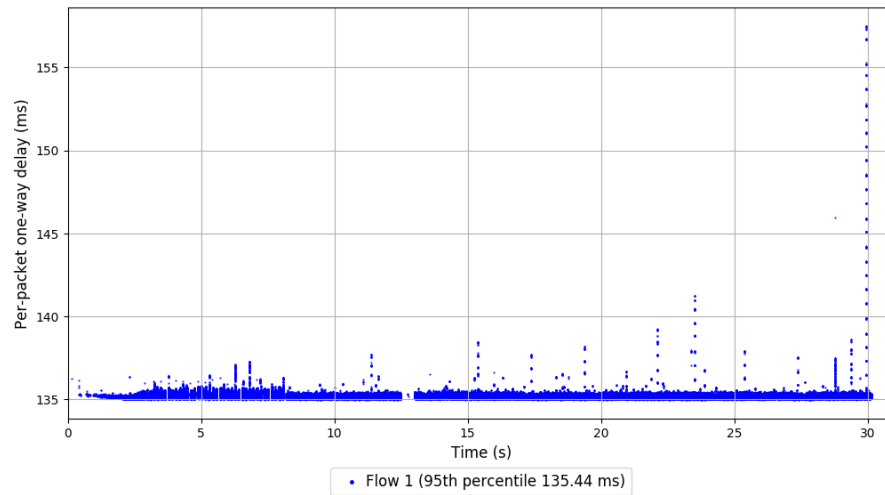
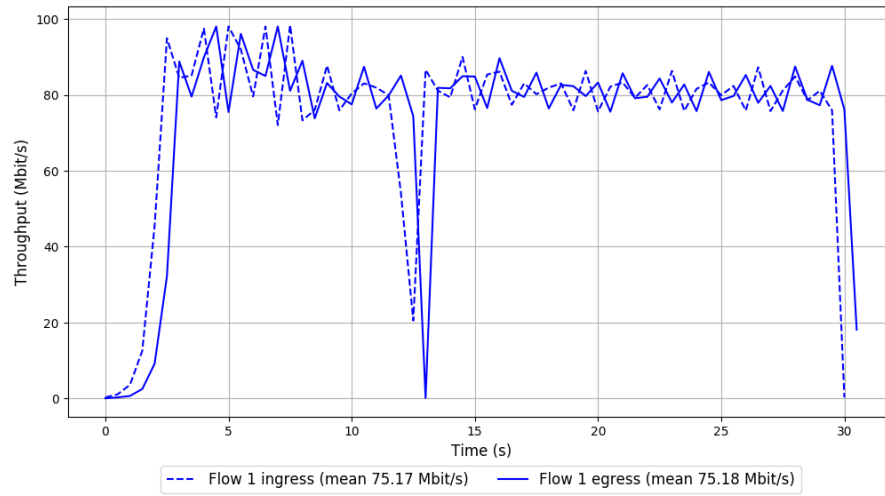


Run 10: Statistics of TCP BBR

Start at: 2018-05-31 09:03:02
End at: 2018-05-31 09:03:32
Local clock offset: -0.224 ms
Remote clock offset: -0.168 ms

Below is generated by plot.py at 2018-05-31 09:35:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.18 Mbit/s
95th percentile per-packet one-way delay: 135.438 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 75.18 Mbit/s
95th percentile per-packet one-way delay: 135.438 ms
Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-05-31 06:03:37

End at: 2018-05-31 06:04:07

Local clock offset: 0.055 ms

Remote clock offset: 0.063 ms

Below is generated by plot.py at 2018-05-31 09:37:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 130.29 Mbit/s

95th percentile per-packet one-way delay: 142.945 ms

Loss rate: 0.00%

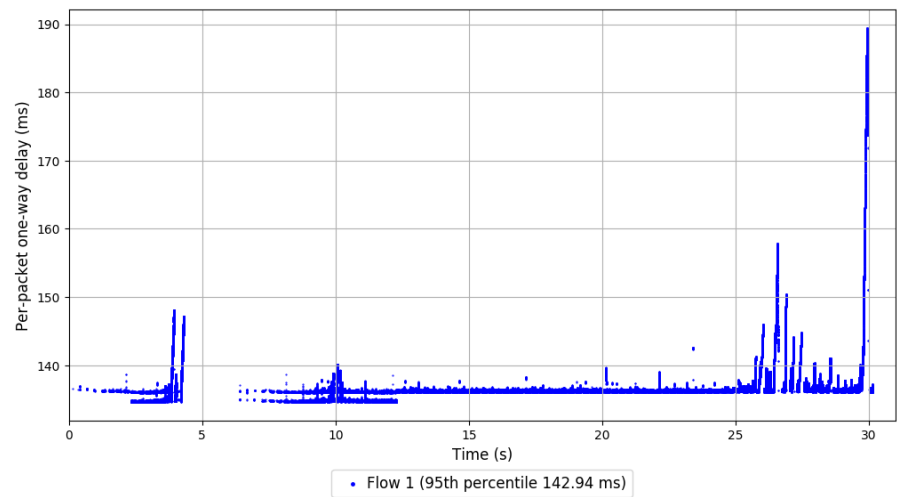
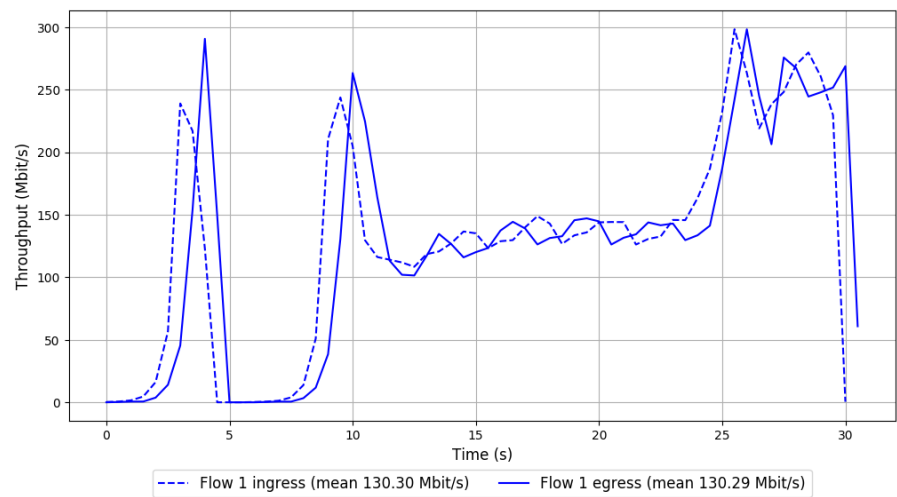
-- Flow 1:

Average throughput: 130.29 Mbit/s

95th percentile per-packet one-way delay: 142.945 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-05-31 06:24:38

End at: 2018-05-31 06:25:08

Local clock offset: 6.015 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-05-31 09:37:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 106.36 Mbit/s

95th percentile per-packet one-way delay: 130.375 ms

Loss rate: 0.00%

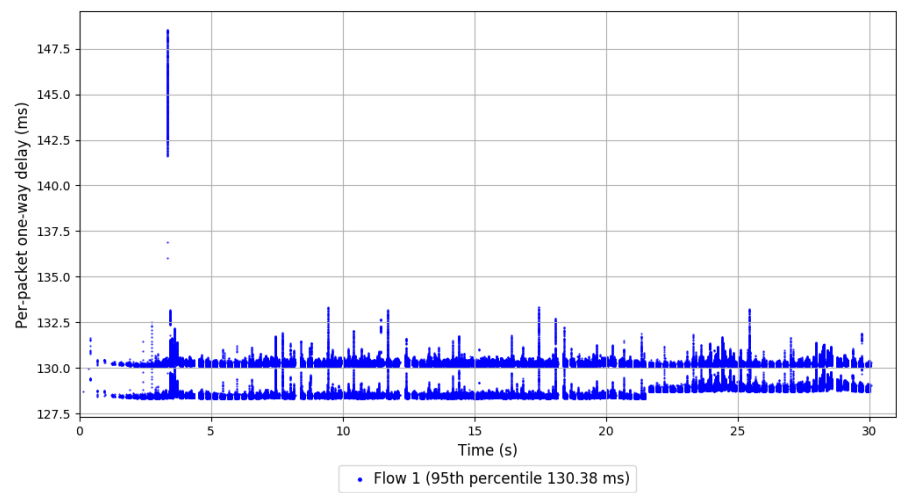
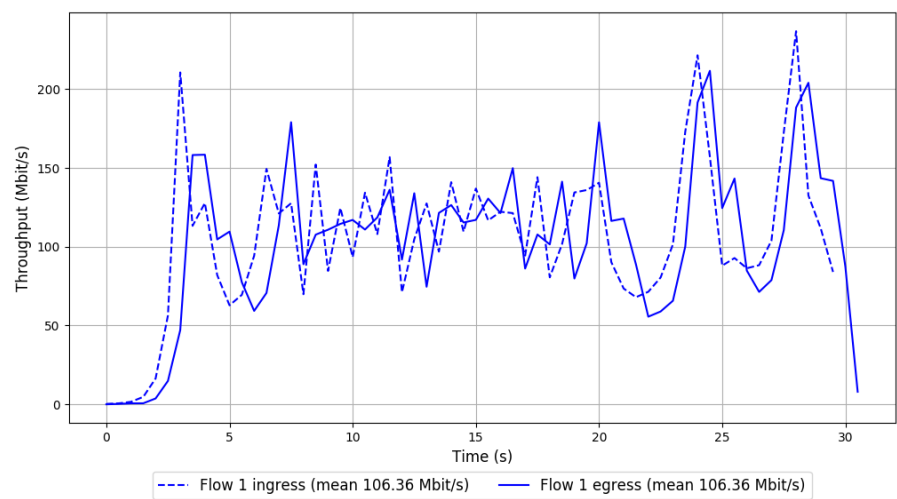
-- Flow 1:

Average throughput: 106.36 Mbit/s

95th percentile per-packet one-way delay: 130.375 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link

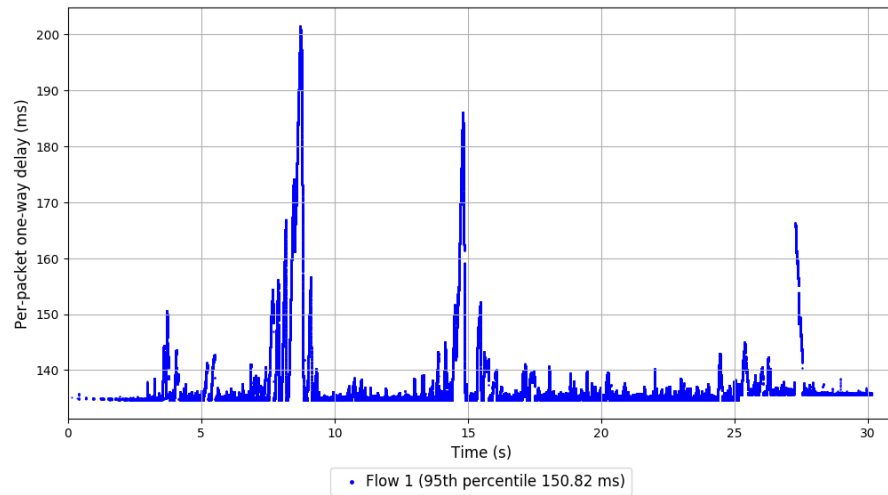
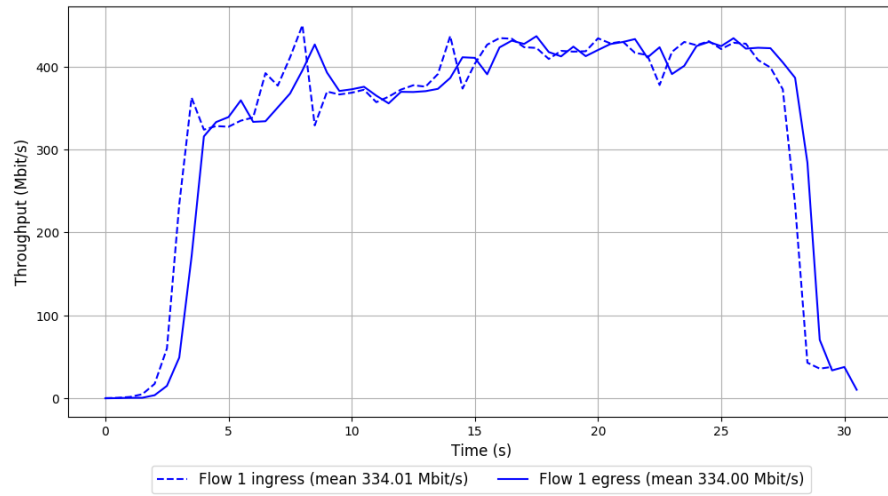


Run 3: Statistics of Copa

Start at: 2018-05-31 06:45:54
End at: 2018-05-31 06:46:24
Local clock offset: -0.049 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-05-31 09:44:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 334.00 Mbit/s
95th percentile per-packet one-way delay: 150.824 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 334.00 Mbit/s
95th percentile per-packet one-way delay: 150.824 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

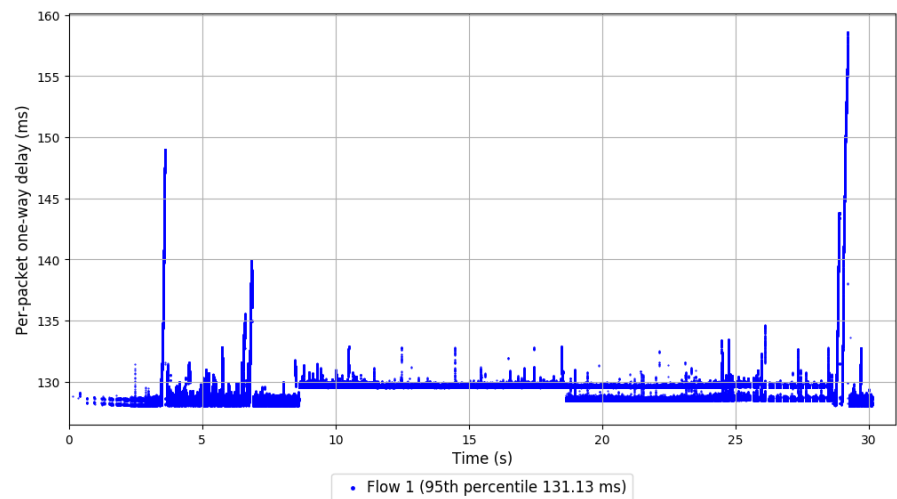
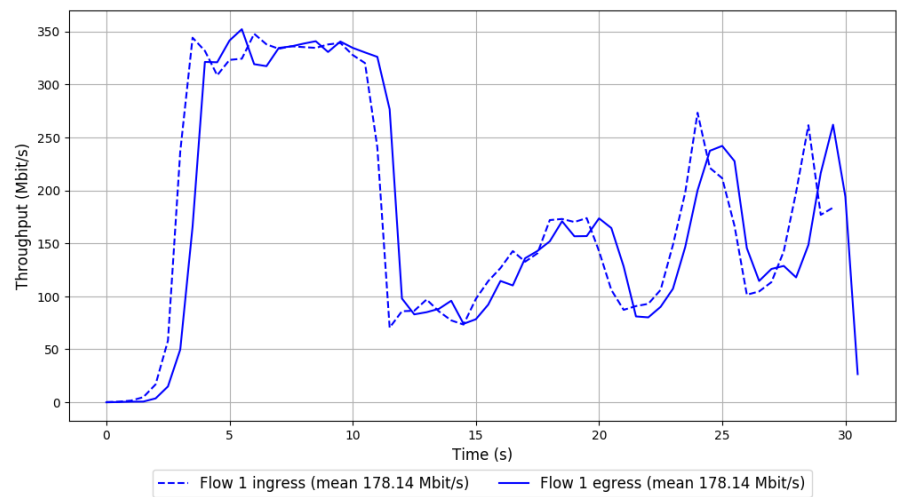


Run 4: Statistics of Copa

Start at: 2018-05-31 07:07:31
End at: 2018-05-31 07:08:01
Local clock offset: 6.258 ms
Remote clock offset: -0.364 ms

Below is generated by plot.py at 2018-05-31 09:44:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 178.14 Mbit/s
95th percentile per-packet one-way delay: 131.132 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 178.14 Mbit/s
95th percentile per-packet one-way delay: 131.132 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

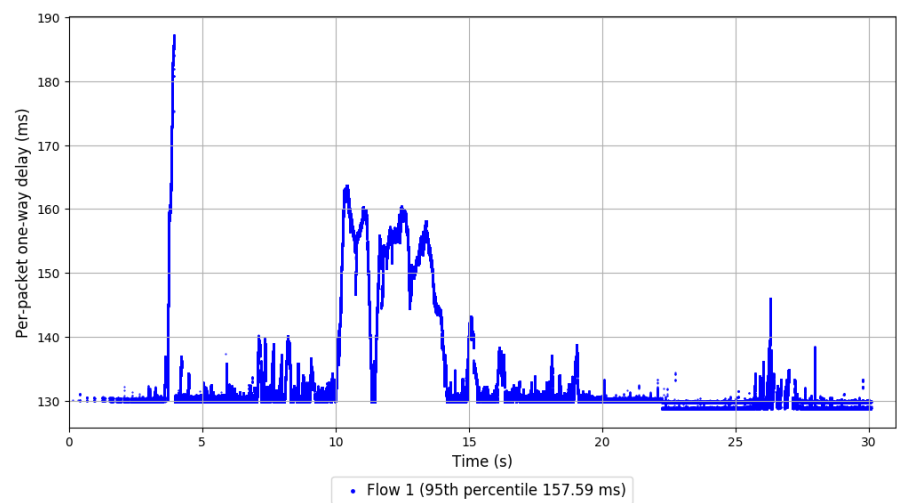
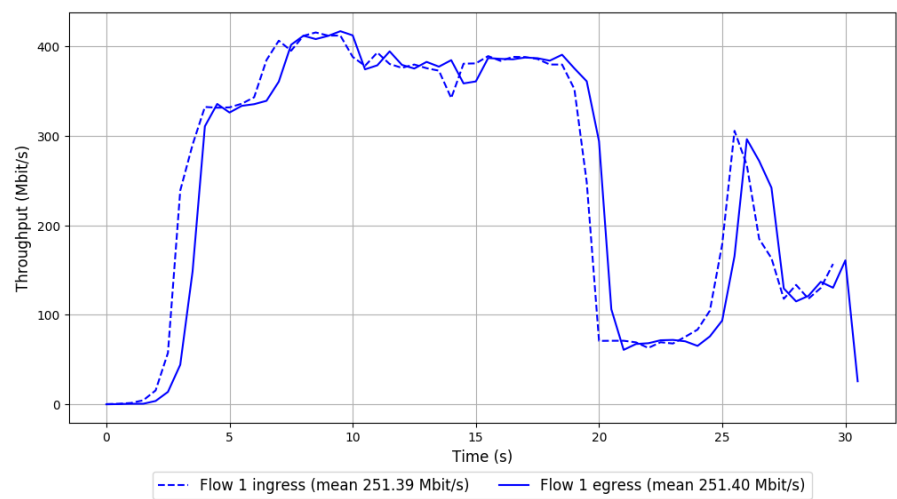


Run 5: Statistics of Copa

Start at: 2018-05-31 07:29:07
End at: 2018-05-31 07:29:37
Local clock offset: 5.917 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-05-31 09:44:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 251.40 Mbit/s
95th percentile per-packet one-way delay: 157.593 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 251.40 Mbit/s
95th percentile per-packet one-way delay: 157.593 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

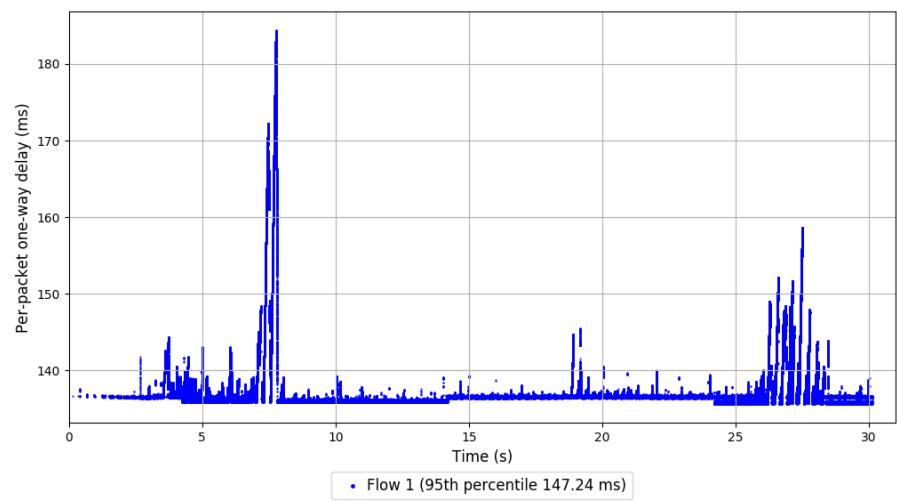
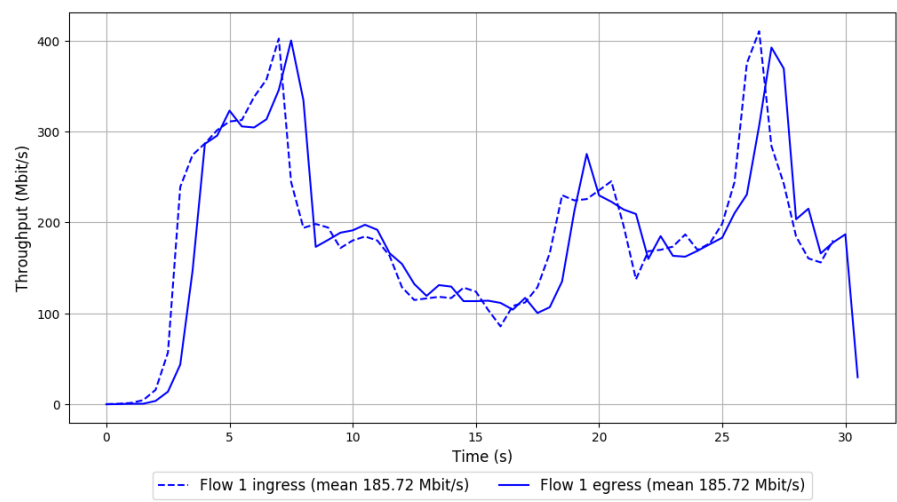


Run 6: Statistics of Copa

Start at: 2018-05-31 07:50:45
End at: 2018-05-31 07:51:15
Local clock offset: -0.348 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-05-31 09:44:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 185.72 Mbit/s
95th percentile per-packet one-way delay: 147.236 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 185.72 Mbit/s
95th percentile per-packet one-way delay: 147.236 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

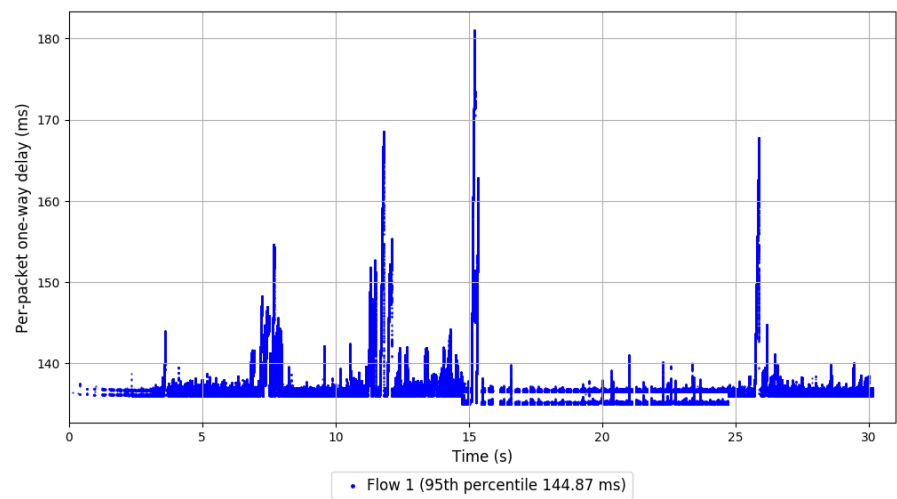
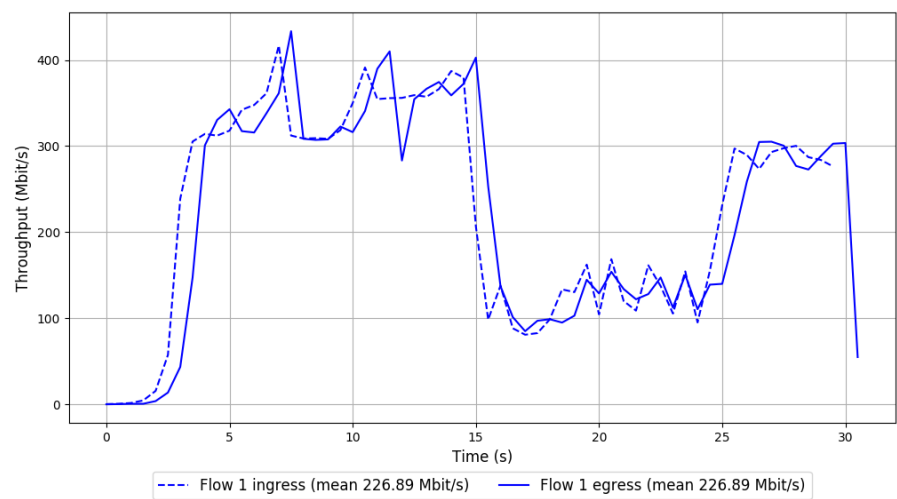


Run 7: Statistics of Copa

Start at: 2018-05-31 08:12:05
End at: 2018-05-31 08:12:35
Local clock offset: -0.406 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-05-31 09:44:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 226.89 Mbit/s
95th percentile per-packet one-way delay: 144.873 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 226.89 Mbit/s
95th percentile per-packet one-way delay: 144.873 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

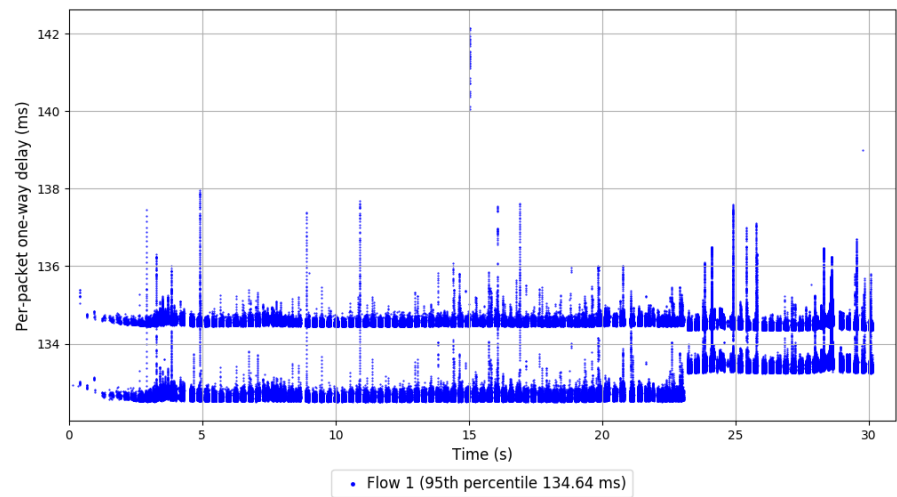
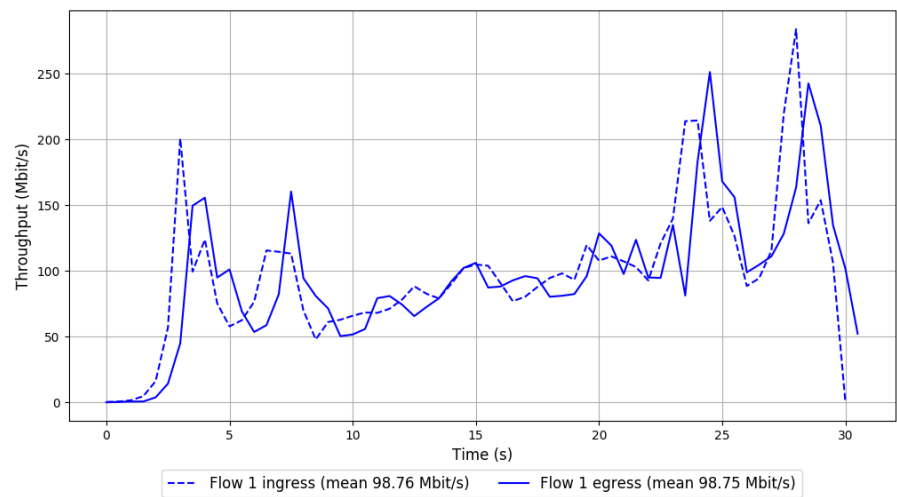


Run 8: Statistics of Copa

Start at: 2018-05-31 08:33:16
End at: 2018-05-31 08:33:46
Local clock offset: 1.73 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-05-31 09:44:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 98.75 Mbit/s
95th percentile per-packet one-way delay: 134.637 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 98.75 Mbit/s
95th percentile per-packet one-way delay: 134.637 ms
Loss rate: 0.01%

Run 8: Report of Copa — Data Link

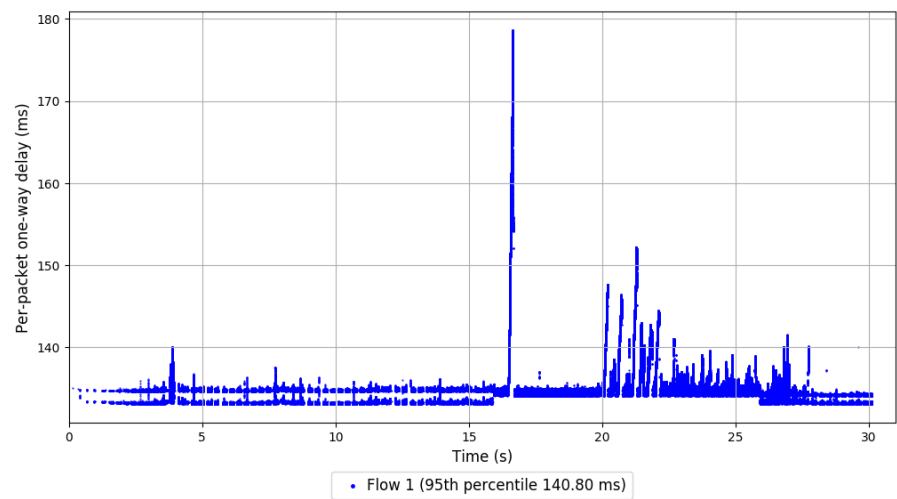
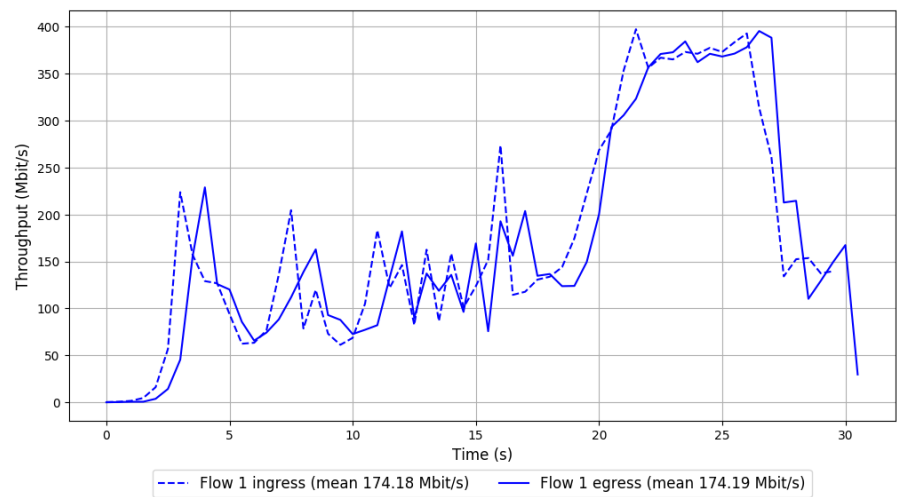


Run 9: Statistics of Copa

Start at: 2018-05-31 08:54:13
End at: 2018-05-31 08:54:43
Local clock offset: 1.545 ms
Remote clock offset: -0.152 ms

Below is generated by plot.py at 2018-05-31 09:44:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 174.19 Mbit/s
95th percentile per-packet one-way delay: 140.801 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 174.19 Mbit/s
95th percentile per-packet one-way delay: 140.801 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

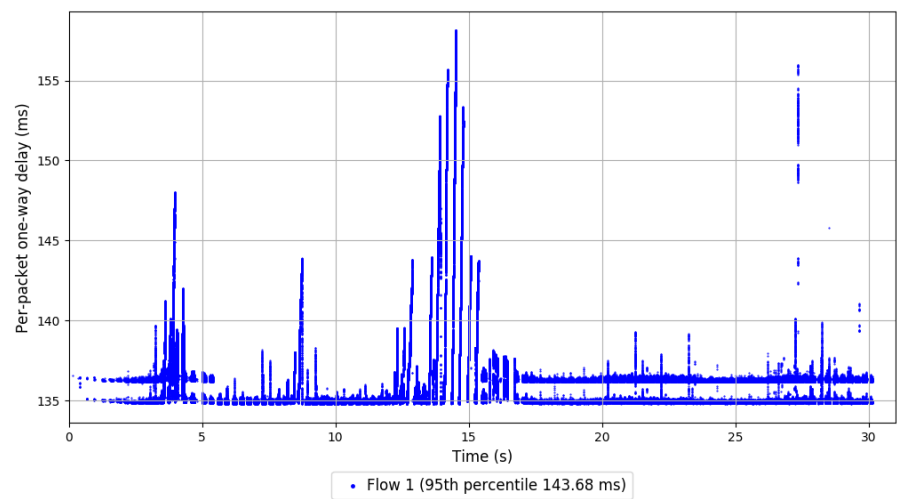
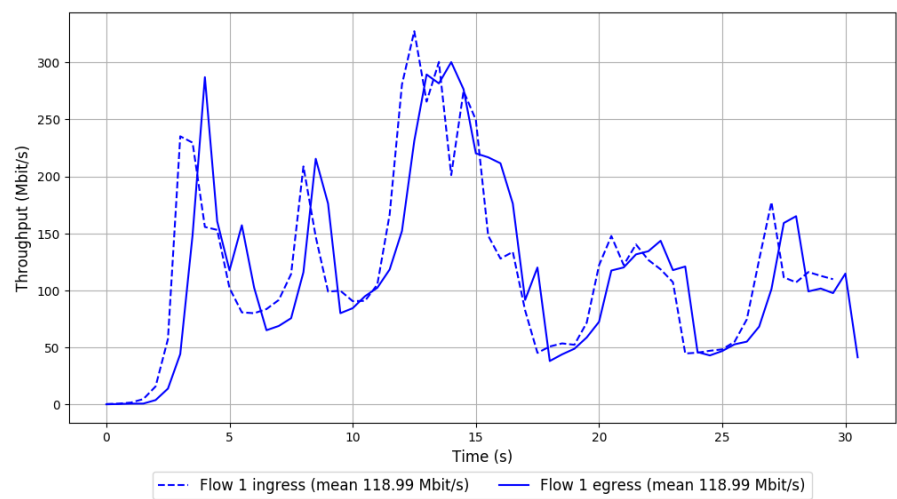


Run 10: Statistics of Copa

Start at: 2018-05-31 09:16:04
End at: 2018-05-31 09:16:34
Local clock offset: -0.101 ms
Remote clock offset: -0.204 ms

Below is generated by plot.py at 2018-05-31 09:44:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 118.99 Mbit/s
95th percentile per-packet one-way delay: 143.676 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 118.99 Mbit/s
95th percentile per-packet one-way delay: 143.676 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-05-31 05:55:30

End at: 2018-05-31 05:56:00

Local clock offset: 1.086 ms

Remote clock offset: 0.065 ms

Below is generated by plot.py at 2018-05-31 09:44:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.12 Mbit/s

95th percentile per-packet one-way delay: 137.858 ms

Loss rate: 0.00%

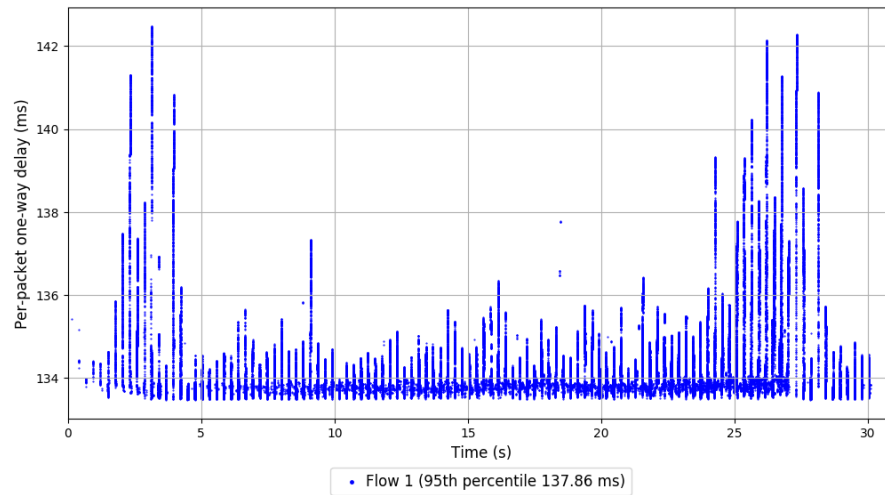
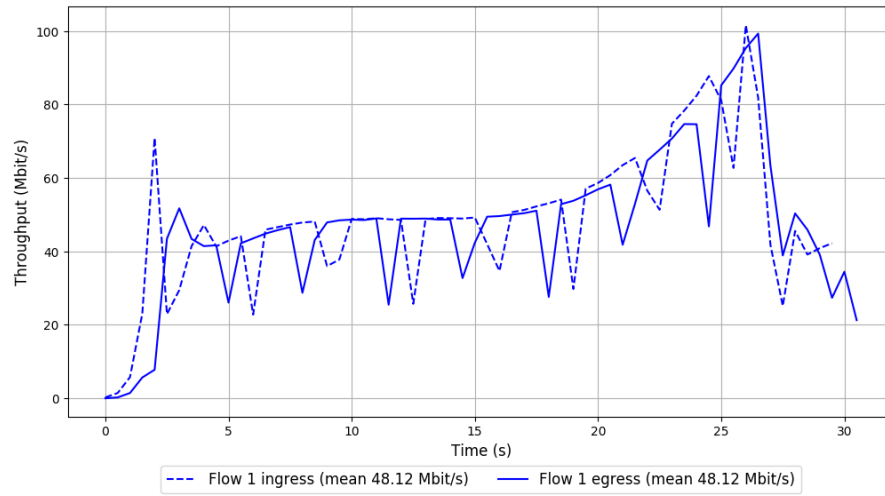
-- Flow 1:

Average throughput: 48.12 Mbit/s

95th percentile per-packet one-way delay: 137.858 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-05-31 06:16:43

End at: 2018-05-31 06:17:13

Local clock offset: 4.278 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-05-31 09:44:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.62 Mbit/s

95th percentile per-packet one-way delay: 139.239 ms

Loss rate: 0.00%

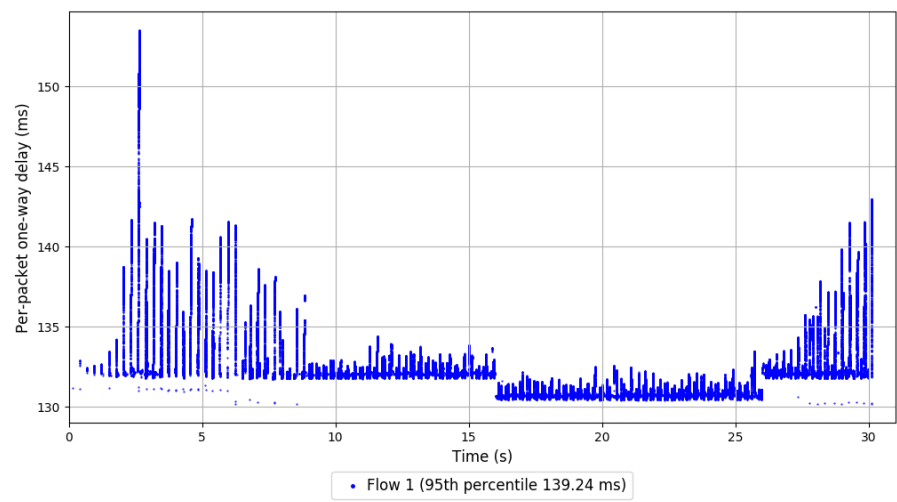
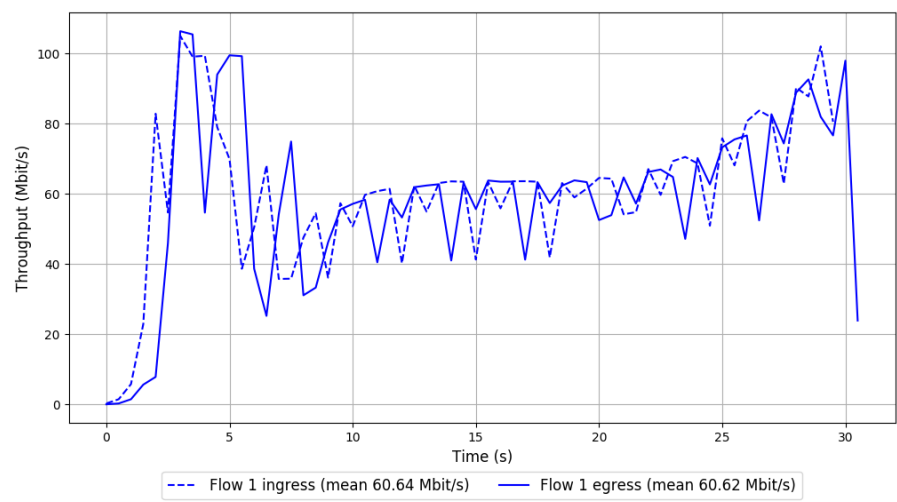
-- Flow 1:

Average throughput: 60.62 Mbit/s

95th percentile per-packet one-way delay: 139.239 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-05-31 06:38:02

End at: 2018-05-31 06:38:32

Local clock offset: 1.672 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-05-31 09:44:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.17 Mbit/s

95th percentile per-packet one-way delay: 137.963 ms

Loss rate: 0.00%

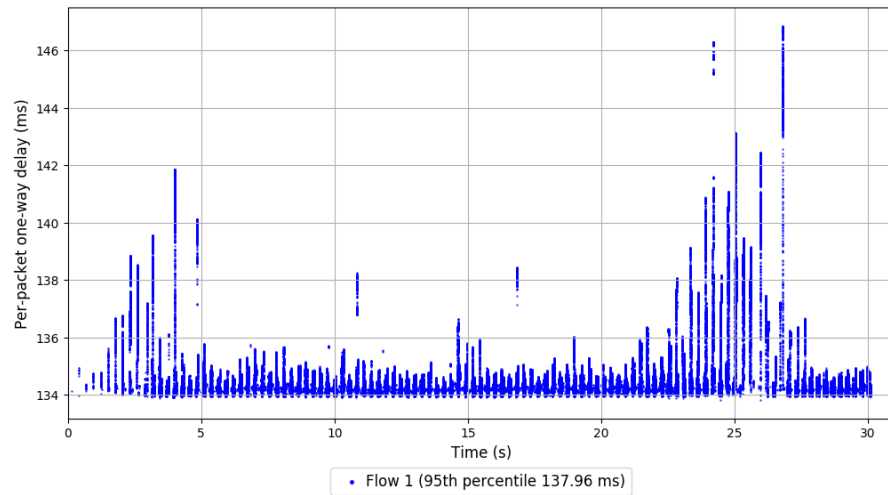
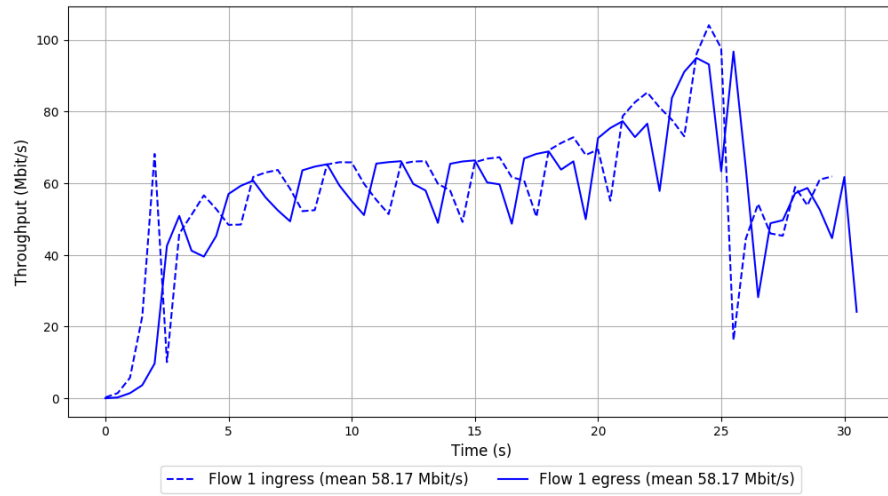
-- Flow 1:

Average throughput: 58.17 Mbit/s

95th percentile per-packet one-way delay: 137.963 ms

Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link

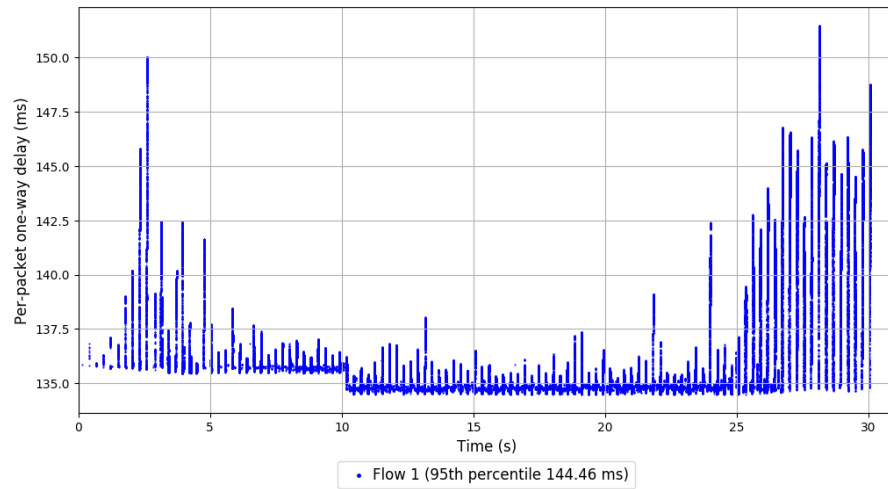
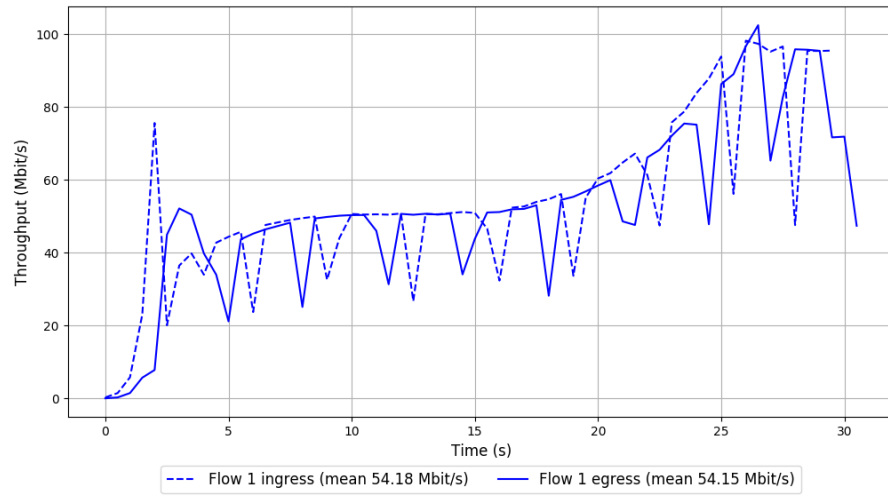


Run 4: Statistics of TCP Cubic

Start at: 2018-05-31 06:59:29
End at: 2018-05-31 06:59:59
Local clock offset: 0.105 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-05-31 09:44:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 54.15 Mbit/s
95th percentile per-packet one-way delay: 144.459 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.15 Mbit/s
95th percentile per-packet one-way delay: 144.459 ms
Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-05-31 07:21:05

End at: 2018-05-31 07:21:35

Local clock offset: 5.983 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-05-31 09:44:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.81 Mbit/s

95th percentile per-packet one-way delay: 133.204 ms

Loss rate: 0.00%

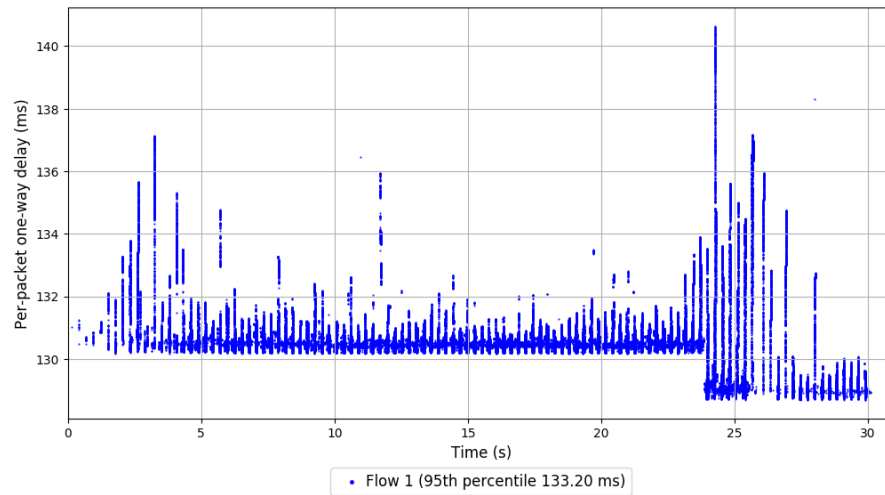
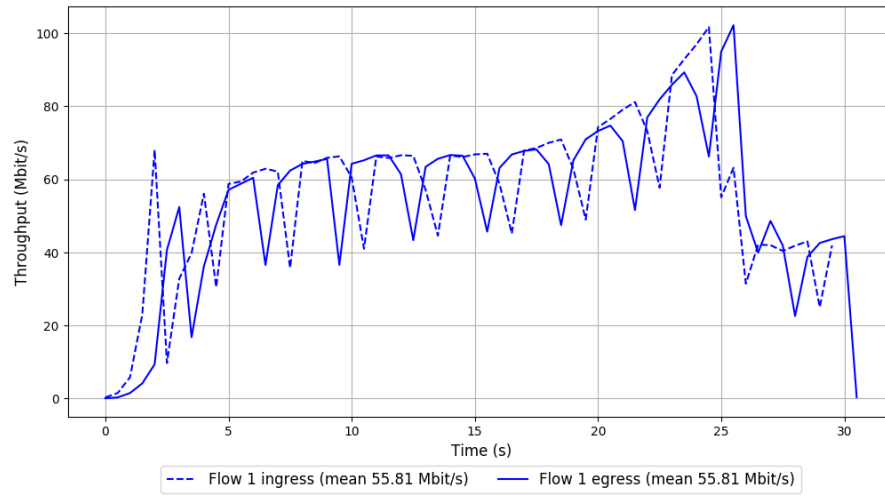
-- Flow 1:

Average throughput: 55.81 Mbit/s

95th percentile per-packet one-way delay: 133.204 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link

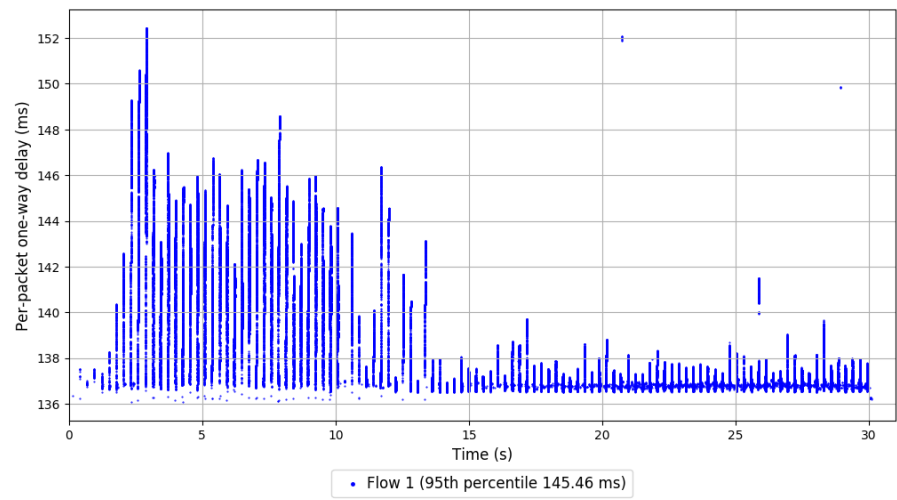
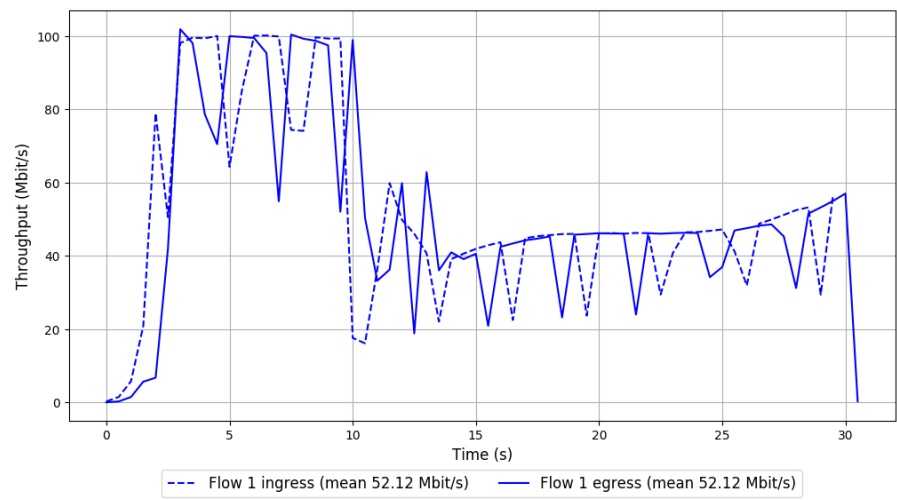


Run 6: Statistics of TCP Cubic

Start at: 2018-05-31 07:42:39
End at: 2018-05-31 07:43:09
Local clock offset: -0.451 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-05-31 09:44:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 52.12 Mbit/s
95th percentile per-packet one-way delay: 145.460 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.12 Mbit/s
95th percentile per-packet one-way delay: 145.460 ms
Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link

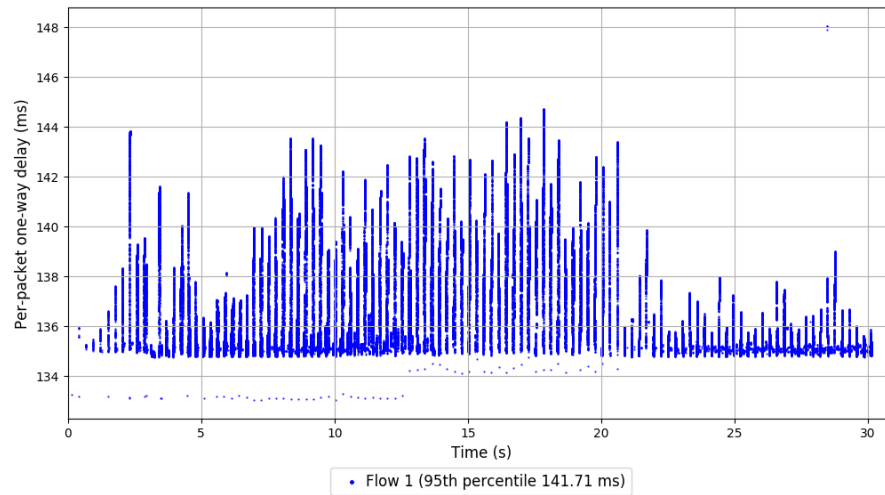
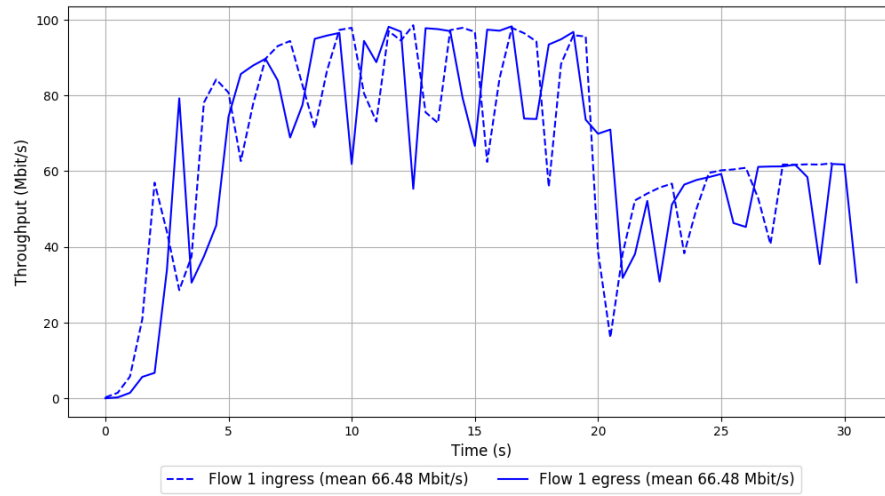


Run 7: Statistics of TCP Cubic

Start at: 2018-05-31 08:04:17
End at: 2018-05-31 08:04:47
Local clock offset: 1.273 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-05-31 09:44:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.48 Mbit/s
95th percentile per-packet one-way delay: 141.714 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.48 Mbit/s
95th percentile per-packet one-way delay: 141.714 ms
Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link

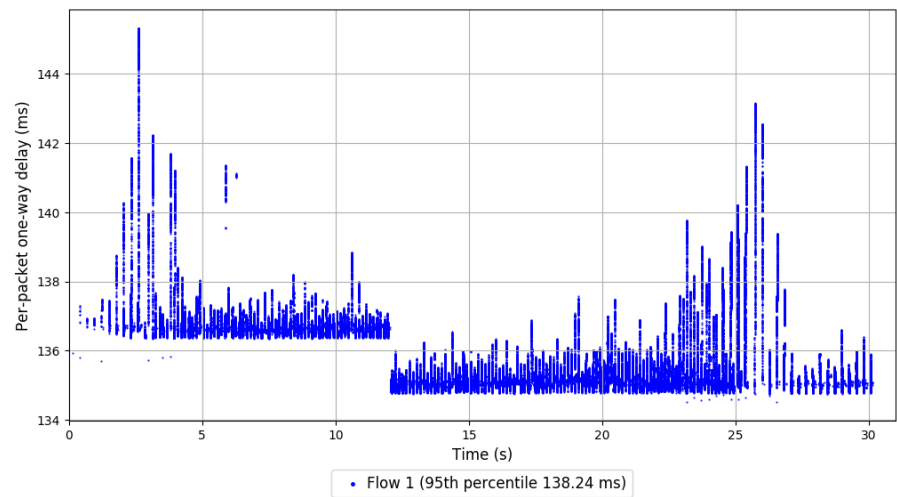
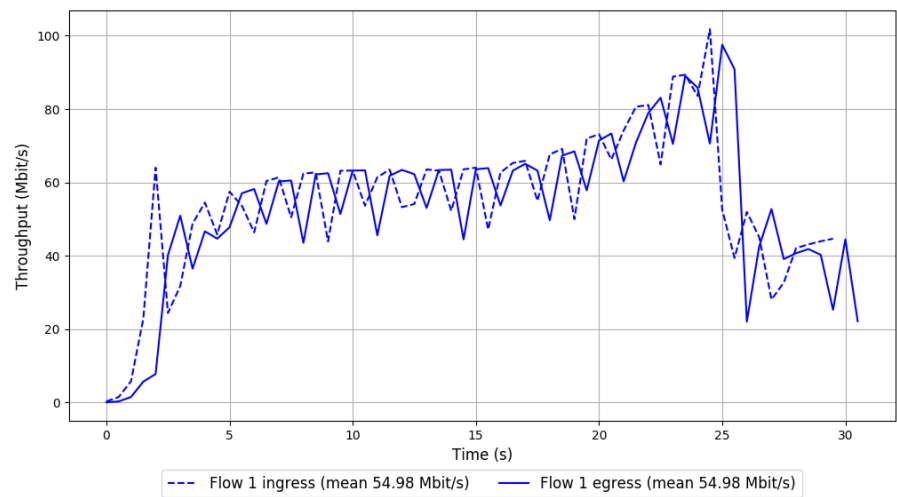


Run 8: Statistics of TCP Cubic

Start at: 2018-05-31 08:25:27
End at: 2018-05-31 08:25:57
Local clock offset: -0.195 ms
Remote clock offset: -0.147 ms

Below is generated by plot.py at 2018-05-31 09:44:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 54.98 Mbit/s
95th percentile per-packet one-way delay: 138.238 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.98 Mbit/s
95th percentile per-packet one-way delay: 138.238 ms
Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link

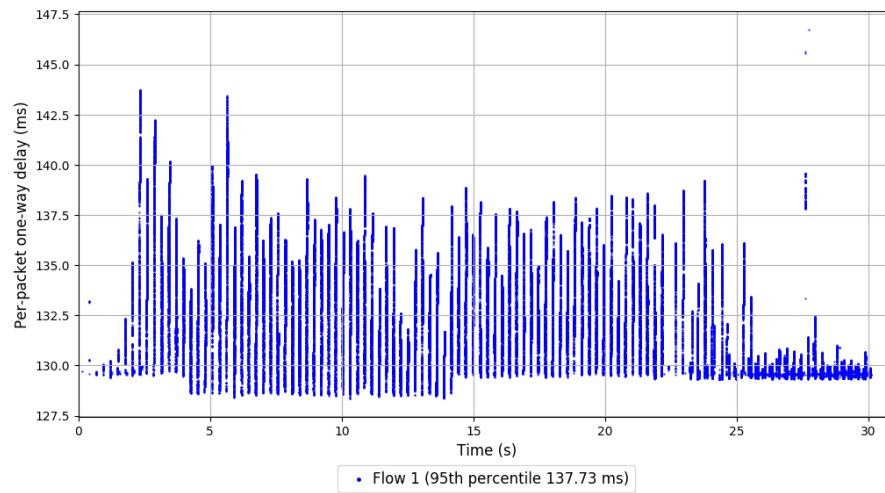
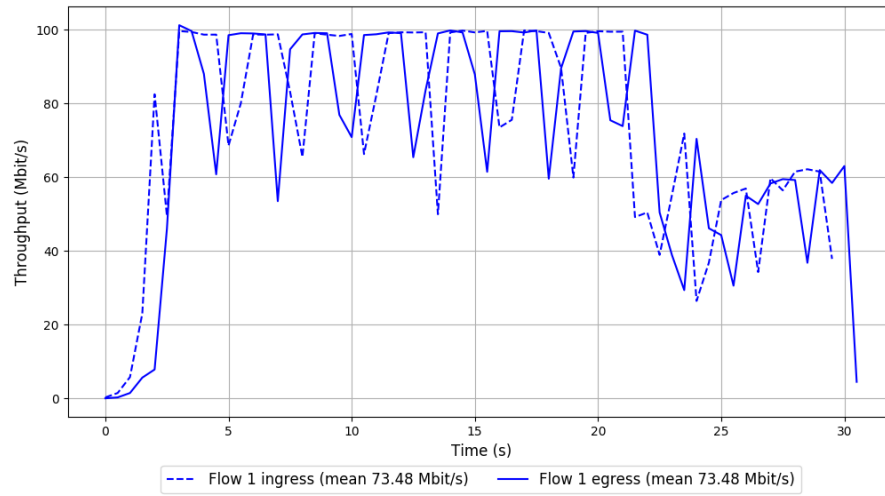


Run 9: Statistics of TCP Cubic

Start at: 2018-05-31 08:46:25
End at: 2018-05-31 08:46:55
Local clock offset: 6.27 ms
Remote clock offset: -0.146 ms

Below is generated by plot.py at 2018-05-31 09:44:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.48 Mbit/s
95th percentile per-packet one-way delay: 137.733 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.48 Mbit/s
95th percentile per-packet one-way delay: 137.733 ms
Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-05-31 09:07:55

End at: 2018-05-31 09:08:25

Local clock offset: -0.349 ms

Remote clock offset: -0.174 ms

Below is generated by plot.py at 2018-05-31 09:44:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.00 Mbit/s

95th percentile per-packet one-way delay: 142.566 ms

Loss rate: 0.00%

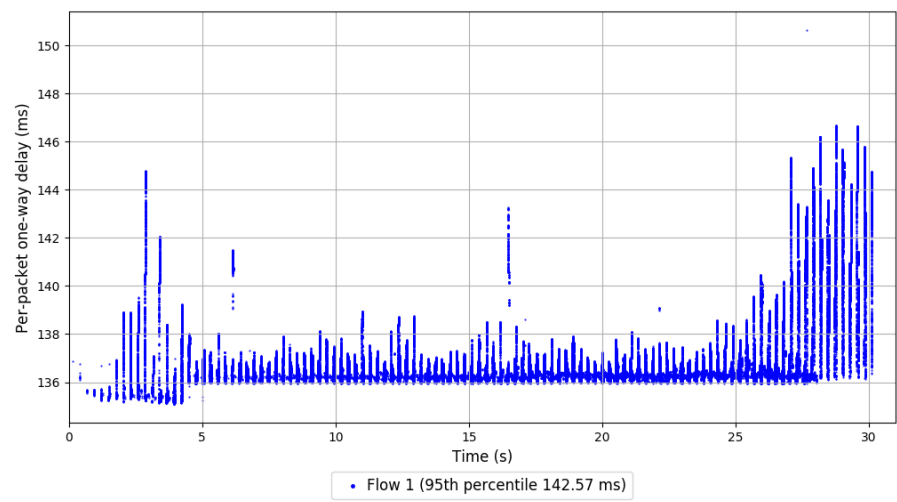
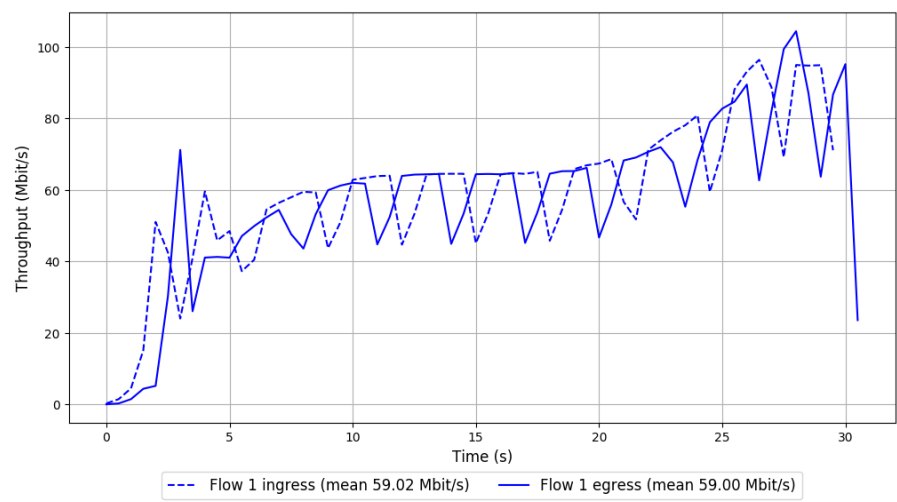
-- Flow 1:

Average throughput: 59.00 Mbit/s

95th percentile per-packet one-way delay: 142.566 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-05-31 06:04:58

End at: 2018-05-31 06:05:28

Local clock offset: 0.078 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-05-31 09:59:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 813.13 Mbit/s

95th percentile per-packet one-way delay: 275.193 ms

Loss rate: 0.93%

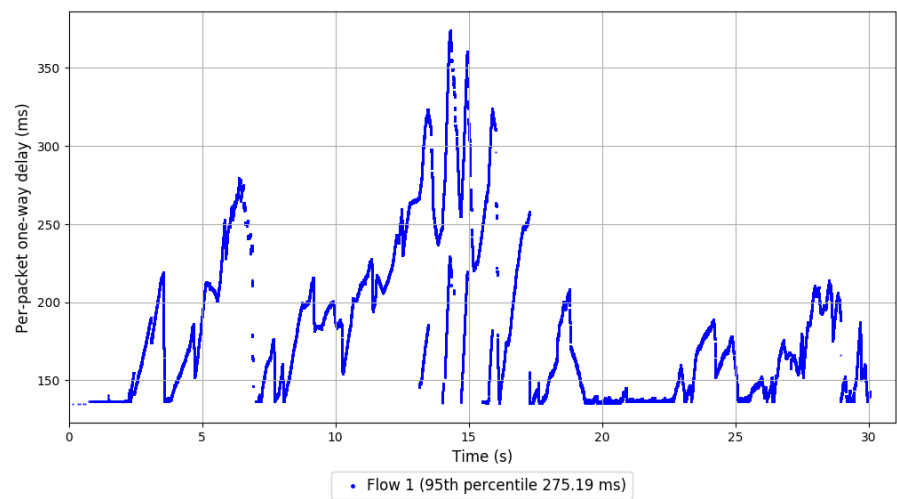
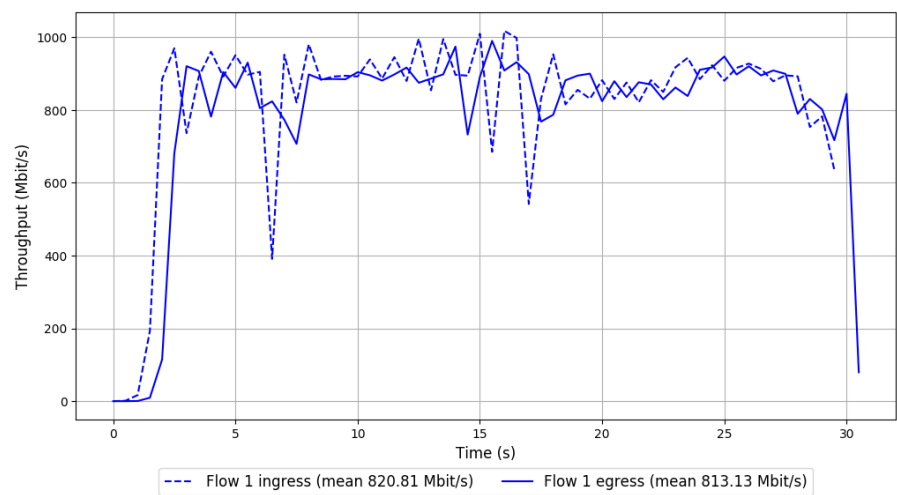
-- Flow 1:

Average throughput: 813.13 Mbit/s

95th percentile per-packet one-way delay: 275.193 ms

Loss rate: 0.93%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-05-31 06:25:56

End at: 2018-05-31 06:26:26

Local clock offset: 4.435 ms

Remote clock offset: 0.079 ms

Below is generated by plot.py at 2018-05-31 09:59:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 842.59 Mbit/s

95th percentile per-packet one-way delay: 275.384 ms

Loss rate: 0.45%

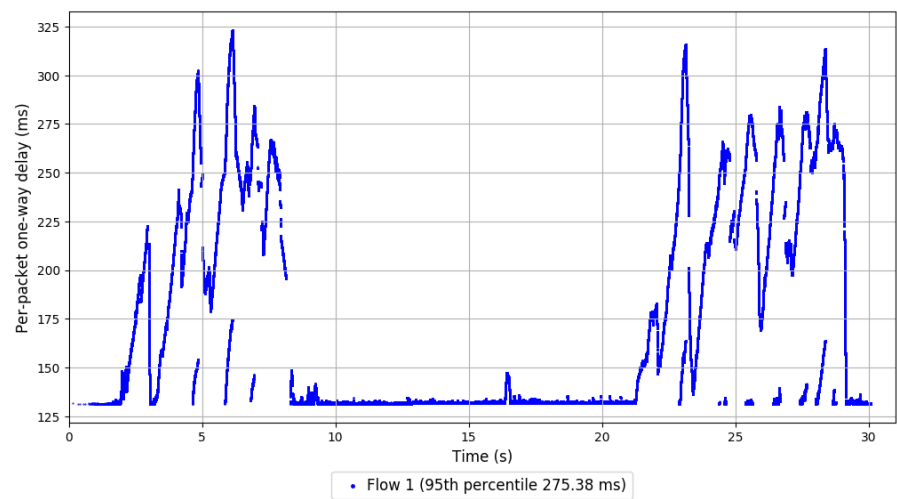
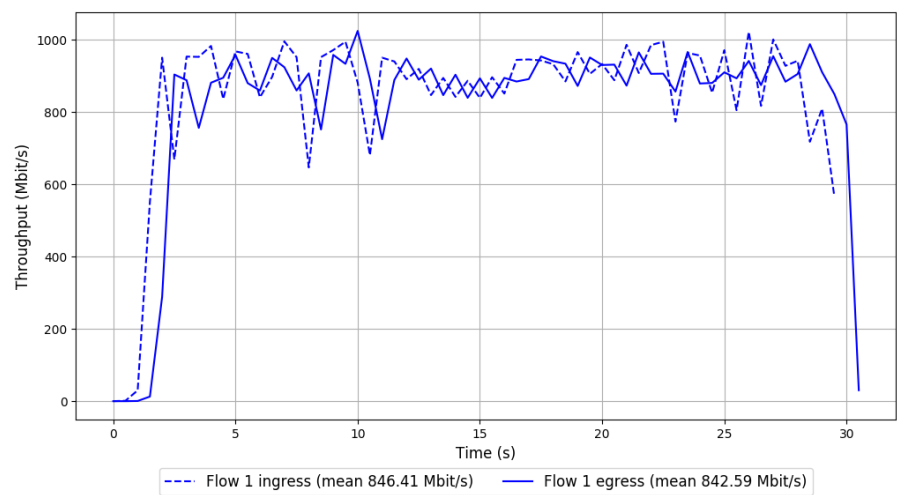
-- Flow 1:

Average throughput: 842.59 Mbit/s

95th percentile per-packet one-way delay: 275.384 ms

Loss rate: 0.45%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-05-31 06:47:37

End at: 2018-05-31 06:48:07

Local clock offset: -0.249 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-05-31 09:59:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 829.81 Mbit/s

95th percentile per-packet one-way delay: 204.331 ms

Loss rate: 0.08%

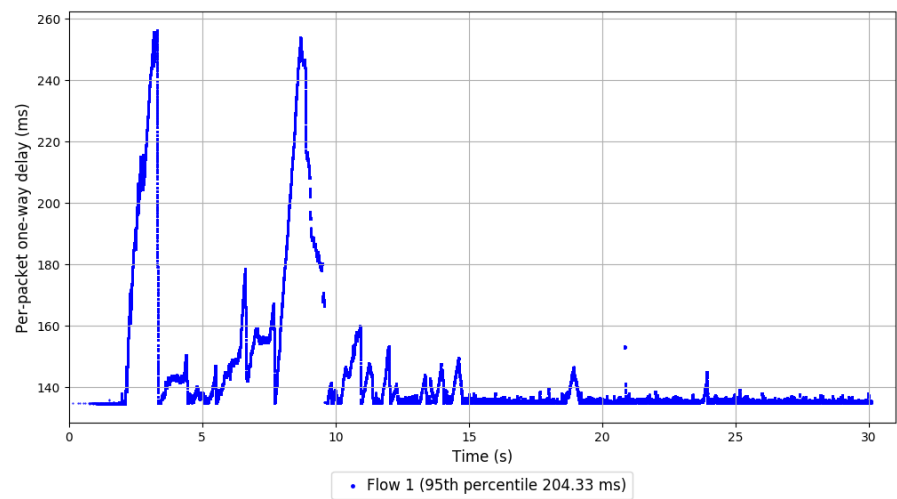
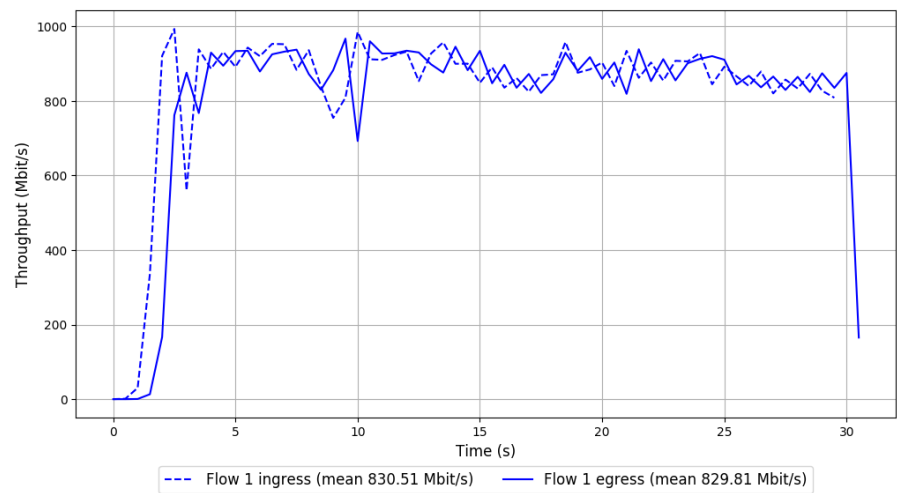
-- Flow 1:

Average throughput: 829.81 Mbit/s

95th percentile per-packet one-way delay: 204.331 ms

Loss rate: 0.08%

Run 3: Report of FillP — Data Link

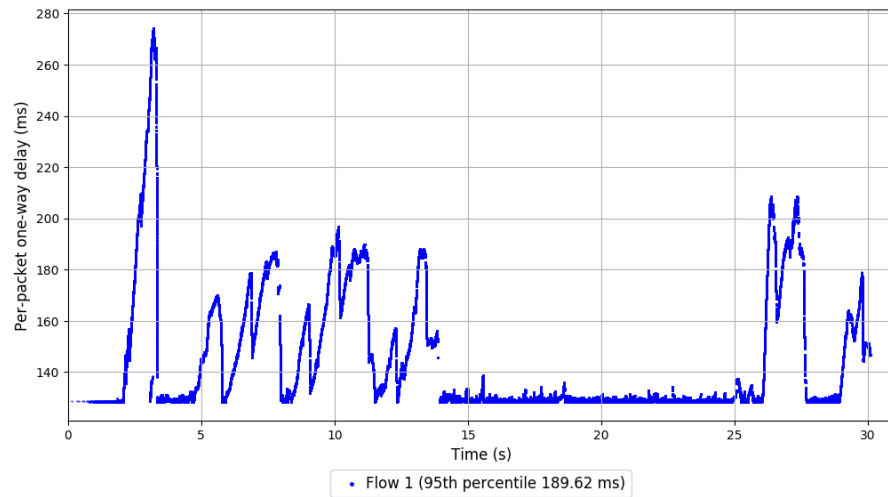
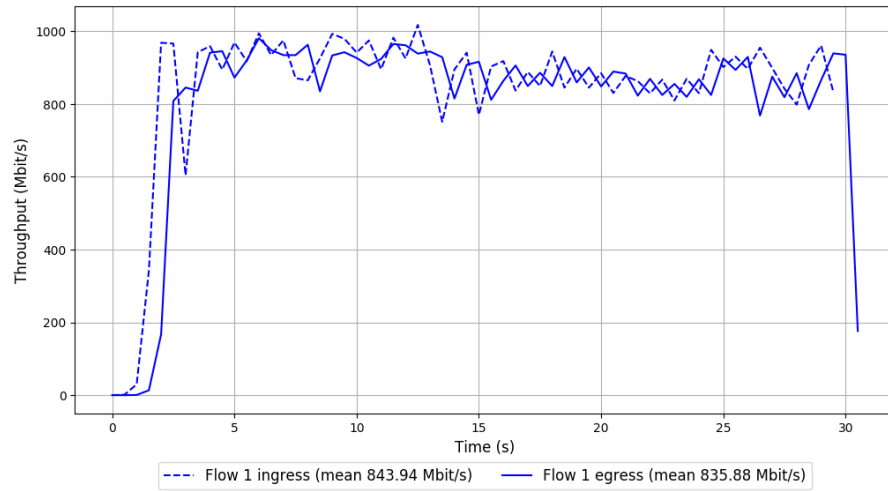


Run 4: Statistics of FillP

Start at: 2018-05-31 07:08:58
End at: 2018-05-31 07:09:28
Local clock offset: 6.028 ms
Remote clock offset: -0.382 ms

Below is generated by plot.py at 2018-05-31 09:59:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 835.88 Mbit/s
95th percentile per-packet one-way delay: 189.623 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 835.88 Mbit/s
95th percentile per-packet one-way delay: 189.623 ms
Loss rate: 0.95%

Run 4: Report of FillP — Data Link

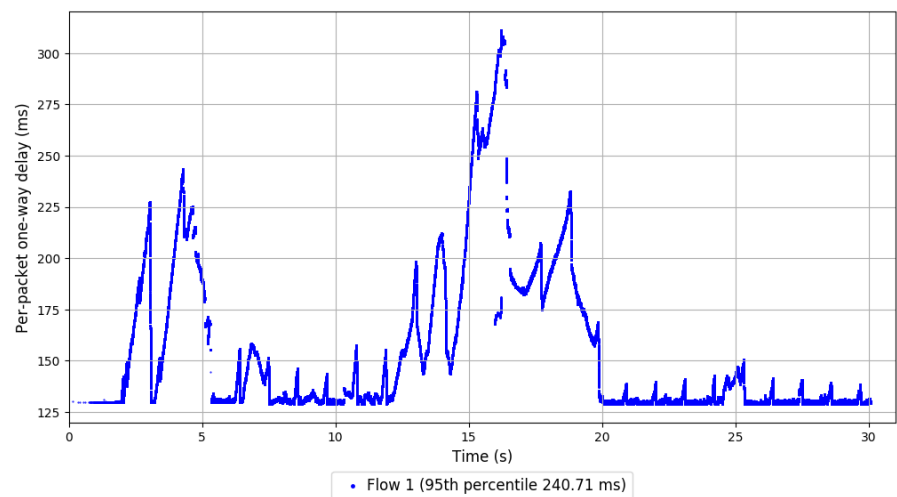
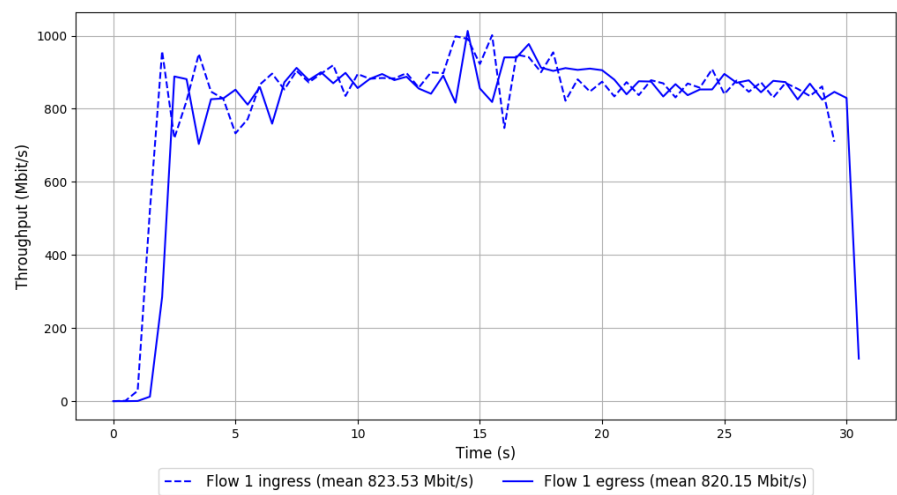


Run 5: Statistics of FillP

Start at: 2018-05-31 07:30:43
End at: 2018-05-31 07:31:13
Local clock offset: 6.113 ms
Remote clock offset: -0.408 ms

Below is generated by plot.py at 2018-05-31 09:59:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 820.15 Mbit/s
95th percentile per-packet one-way delay: 240.705 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 820.15 Mbit/s
95th percentile per-packet one-way delay: 240.705 ms
Loss rate: 0.41%

Run 5: Report of FillP — Data Link

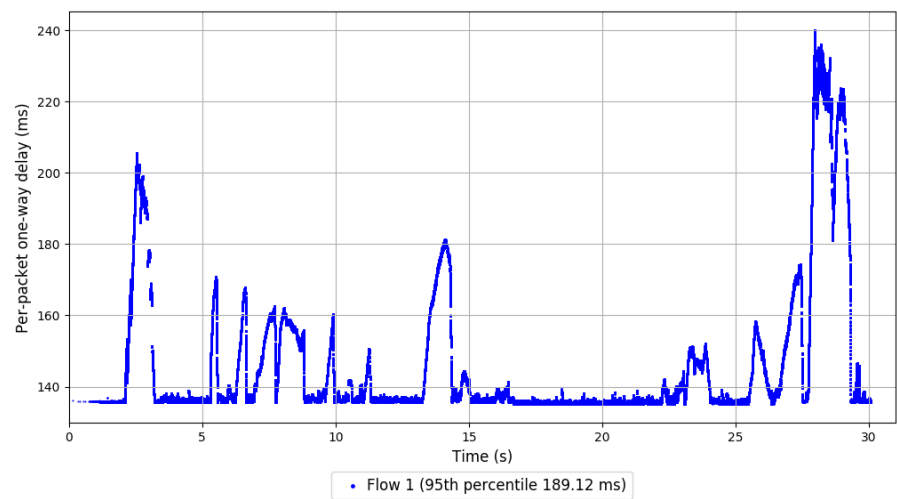
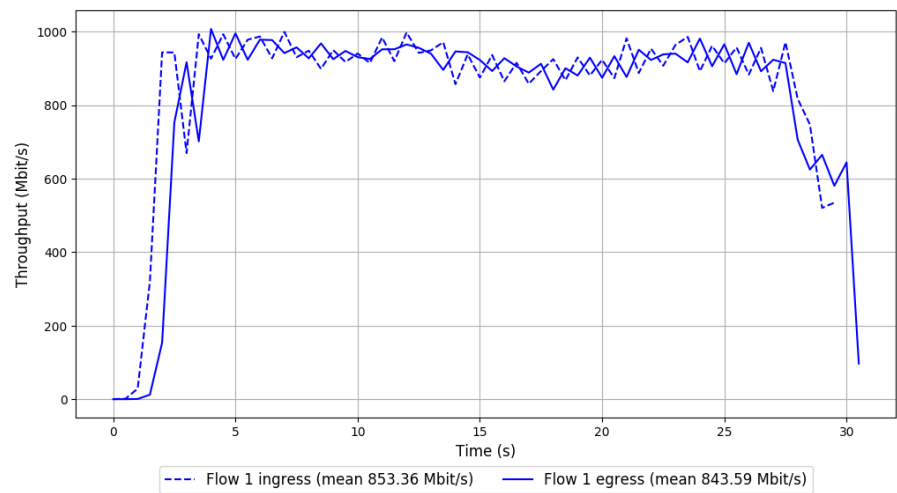


Run 6: Statistics of FillP

Start at: 2018-05-31 07:52:13
End at: 2018-05-31 07:52:43
Local clock offset: -0.021 ms
Remote clock offset: -0.466 ms

Below is generated by plot.py at 2018-05-31 10:00:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 843.59 Mbit/s
95th percentile per-packet one-way delay: 189.117 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 843.59 Mbit/s
95th percentile per-packet one-way delay: 189.117 ms
Loss rate: 1.14%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-05-31 08:13:36

End at: 2018-05-31 08:14:06

Local clock offset: 0.049 ms

Remote clock offset: 0.271 ms

Below is generated by plot.py at 2018-05-31 10:00:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 824.70 Mbit/s

95th percentile per-packet one-way delay: 267.921 ms

Loss rate: 0.82%

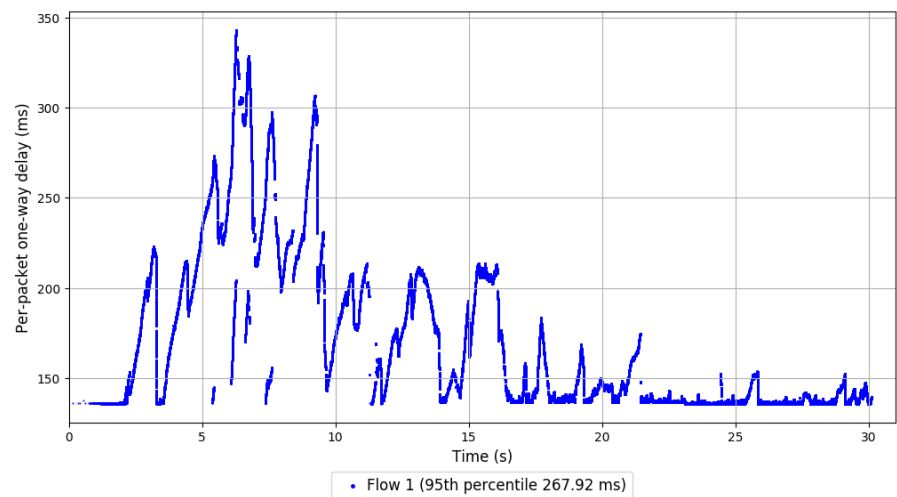
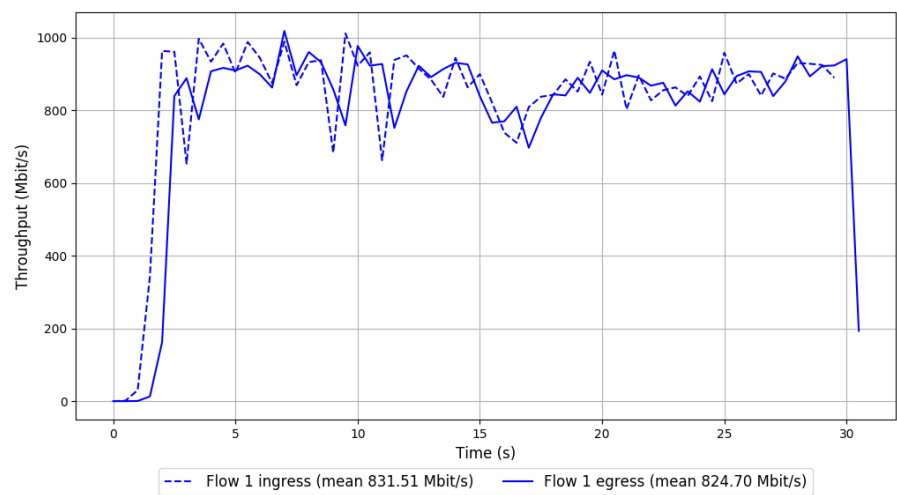
-- Flow 1:

Average throughput: 824.70 Mbit/s

95th percentile per-packet one-way delay: 267.921 ms

Loss rate: 0.82%

Run 7: Report of FillP — Data Link

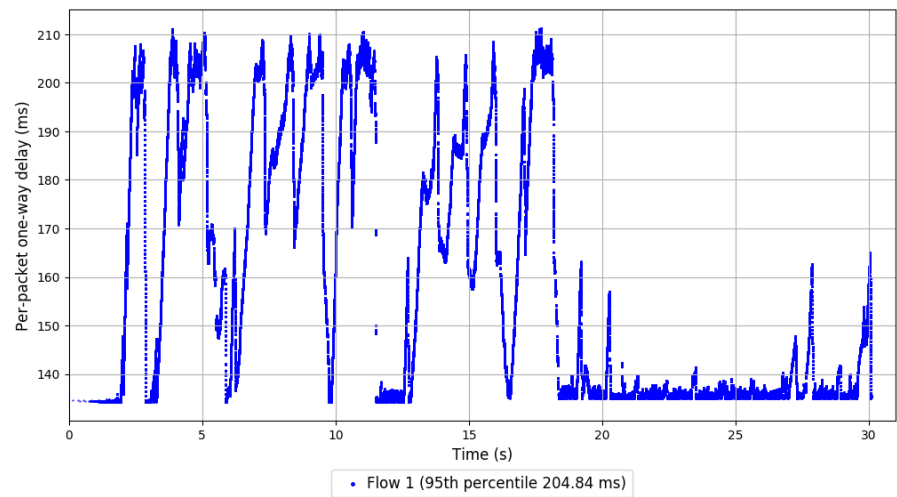
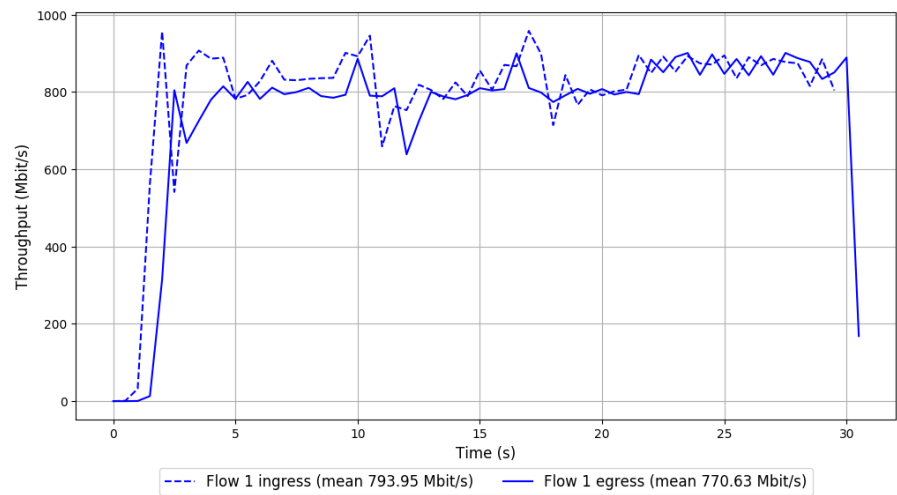


Run 8: Statistics of FillP

Start at: 2018-05-31 08:34:34
End at: 2018-05-31 08:35:04
Local clock offset: -0.318 ms
Remote clock offset: -0.502 ms

Below is generated by plot.py at 2018-05-31 10:01:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 770.63 Mbit/s
95th percentile per-packet one-way delay: 204.844 ms
Loss rate: 2.93%
-- Flow 1:
Average throughput: 770.63 Mbit/s
95th percentile per-packet one-way delay: 204.844 ms
Loss rate: 2.93%

Run 8: Report of FillP — Data Link

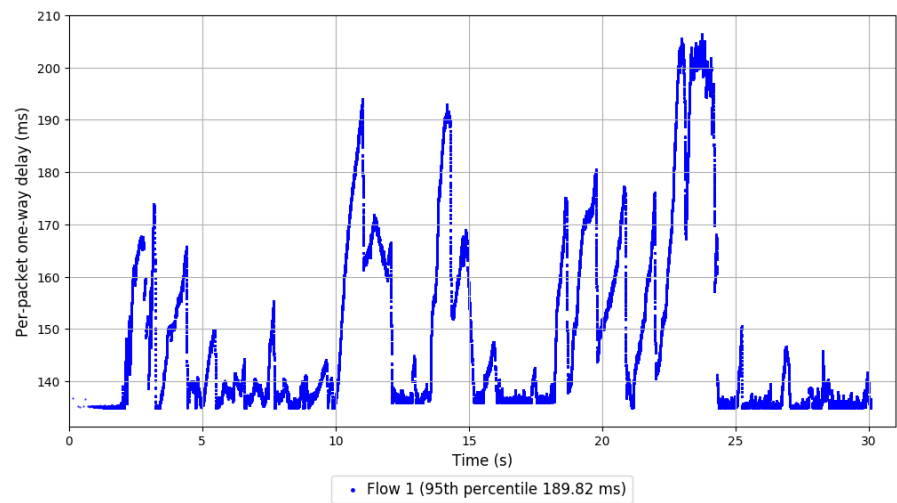
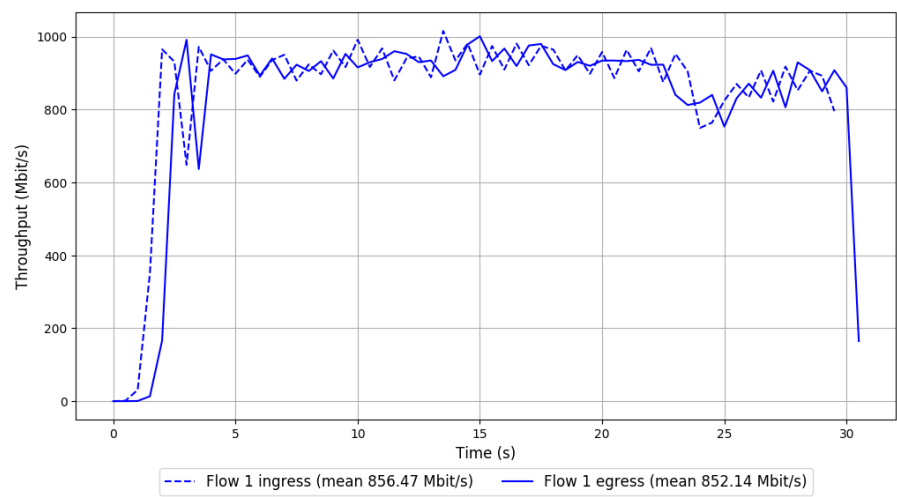


Run 9: Statistics of FillP

Start at: 2018-05-31 08:55:39
End at: 2018-05-31 08:56:09
Local clock offset: -0.265 ms
Remote clock offset: -0.144 ms

Below is generated by plot.py at 2018-05-31 10:16:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 852.14 Mbit/s
95th percentile per-packet one-way delay: 189.825 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 852.14 Mbit/s
95th percentile per-packet one-way delay: 189.825 ms
Loss rate: 0.51%

Run 9: Report of FillP — Data Link

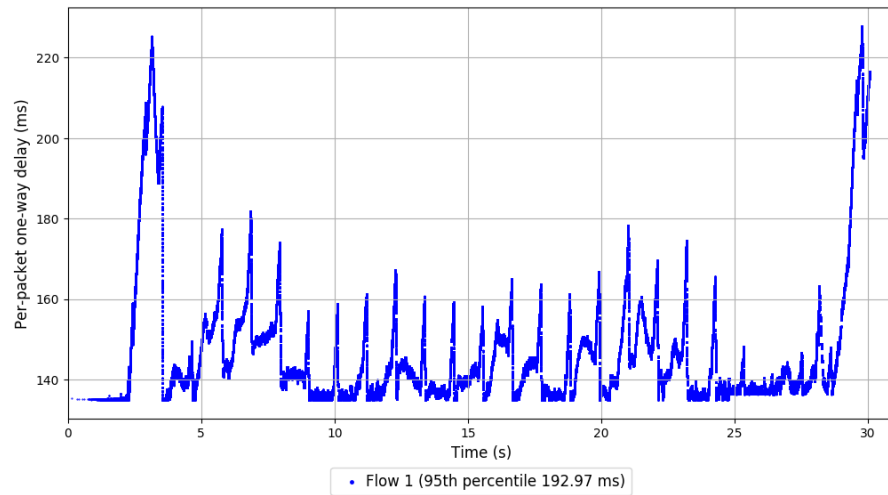
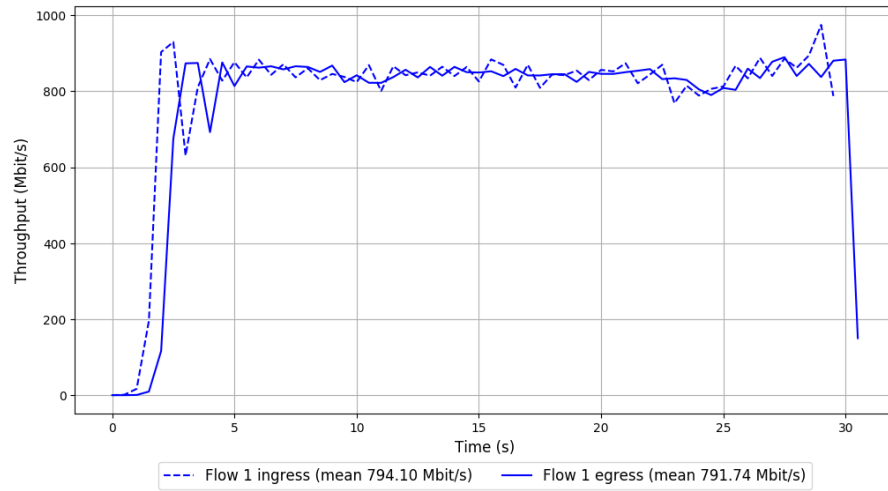


Run 10: Statistics of FillP

Start at: 2018-05-31 09:17:24
End at: 2018-05-31 09:17:54
Local clock offset: -0.117 ms
Remote clock offset: -0.178 ms

Below is generated by plot.py at 2018-05-31 10:16:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 791.74 Mbit/s
95th percentile per-packet one-way delay: 192.969 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 791.74 Mbit/s
95th percentile per-packet one-way delay: 192.969 ms
Loss rate: 0.29%

Run 10: Report of FillP — Data Link



Run 1: Statistics of Indigo

Start at: 2018-05-31 05:51:55

End at: 2018-05-31 05:52:26

Local clock offset: 5.76 ms

Remote clock offset: -0.38 ms

Below is generated by plot.py at 2018-05-31 10:16:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 100.24 Mbit/s

95th percentile per-packet one-way delay: 130.148 ms

Loss rate: 0.00%

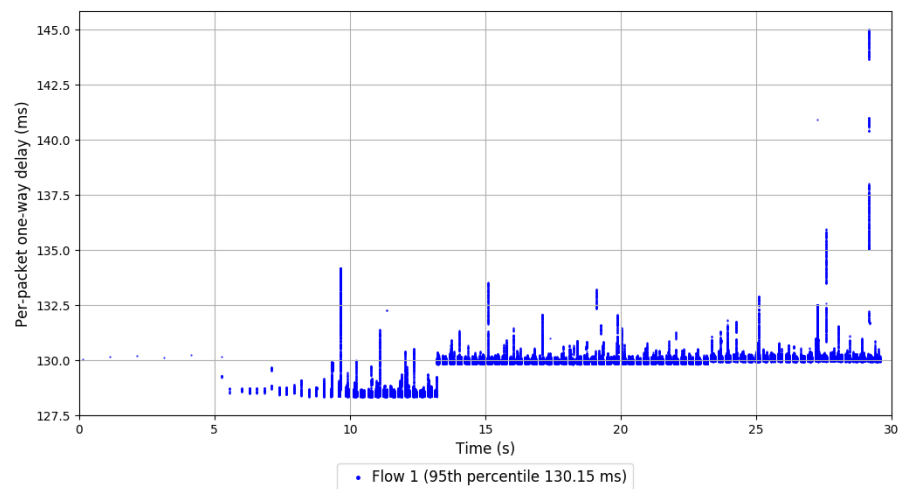
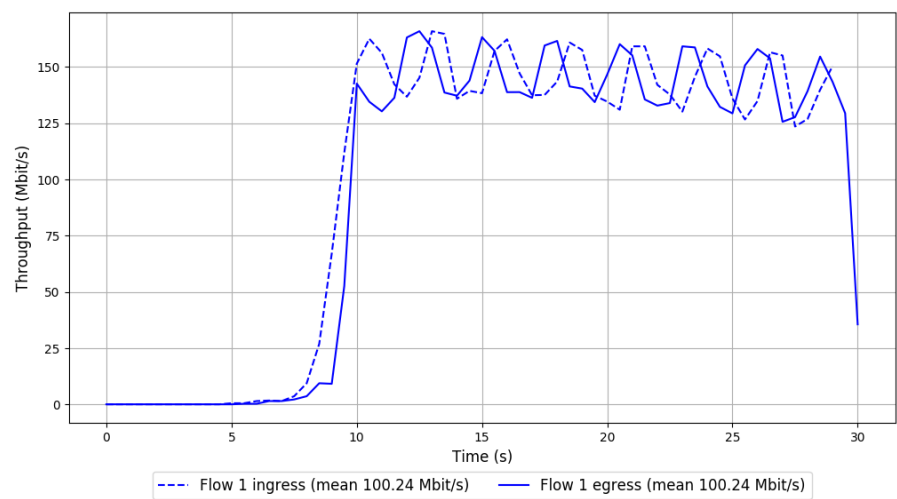
-- Flow 1:

Average throughput: 100.24 Mbit/s

95th percentile per-packet one-way delay: 130.148 ms

Loss rate: 0.00%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-05-31 06:13:07

End at: 2018-05-31 06:13:37

Local clock offset: 1.581 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-05-31 10:16:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.22 Mbit/s

95th percentile per-packet one-way delay: 134.726 ms

Loss rate: 0.00%

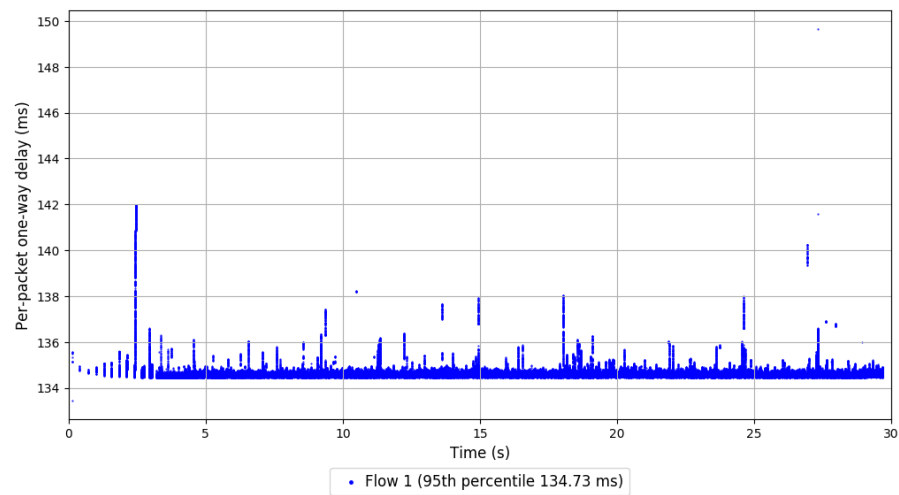
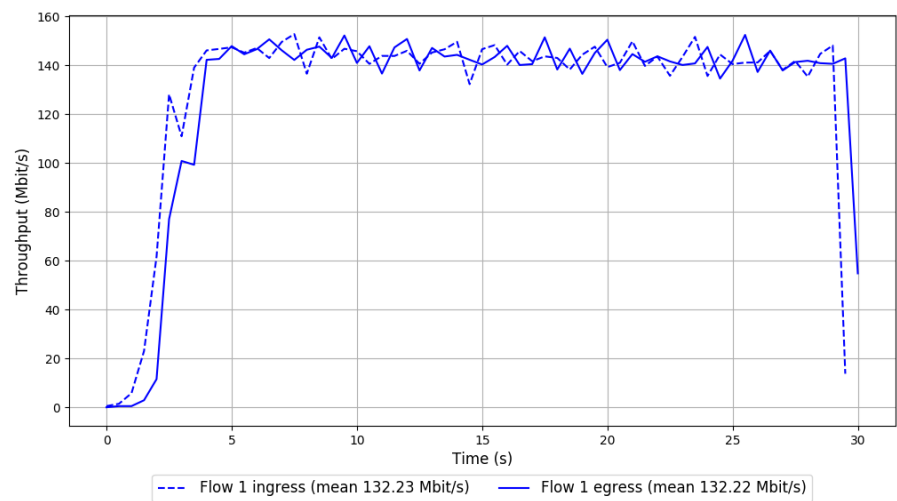
-- Flow 1:

Average throughput: 132.22 Mbit/s

95th percentile per-packet one-way delay: 134.726 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-05-31 06:34:22

End at: 2018-05-31 06:34:52

Local clock offset: -0.071 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2018-05-31 10:16:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 178.17 Mbit/s

95th percentile per-packet one-way delay: 136.360 ms

Loss rate: 0.01%

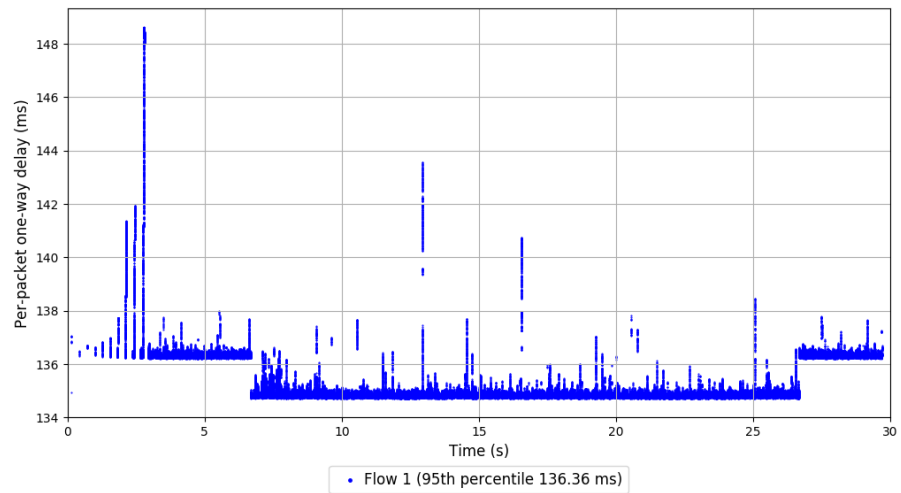
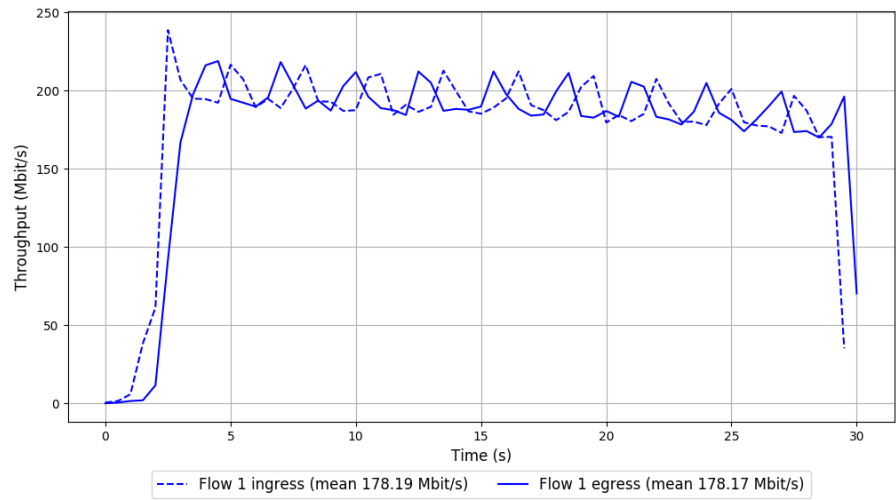
-- Flow 1:

Average throughput: 178.17 Mbit/s

95th percentile per-packet one-way delay: 136.360 ms

Loss rate: 0.01%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-05-31 06:55:50

End at: 2018-05-31 06:56:20

Local clock offset: -0.032 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-05-31 10:16:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 169.77 Mbit/s

95th percentile per-packet one-way delay: 135.879 ms

Loss rate: 0.00%

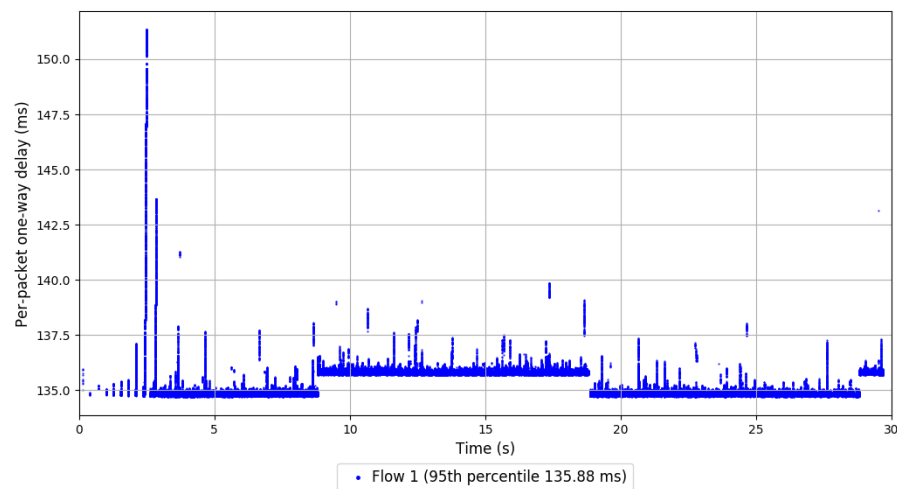
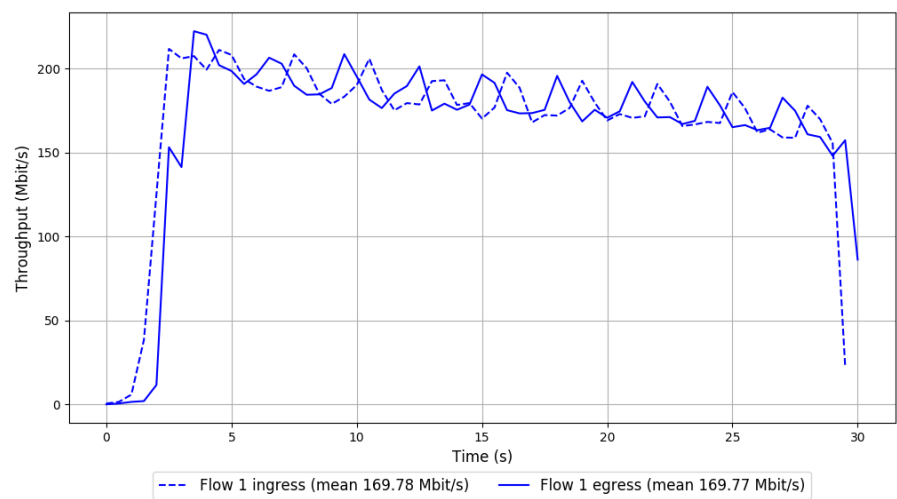
-- Flow 1:

Average throughput: 169.77 Mbit/s

95th percentile per-packet one-way delay: 135.879 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-05-31 07:17:29

End at: 2018-05-31 07:17:59

Local clock offset: -0.051 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-05-31 10:16:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 133.75 Mbit/s

95th percentile per-packet one-way delay: 136.408 ms

Loss rate: 0.00%

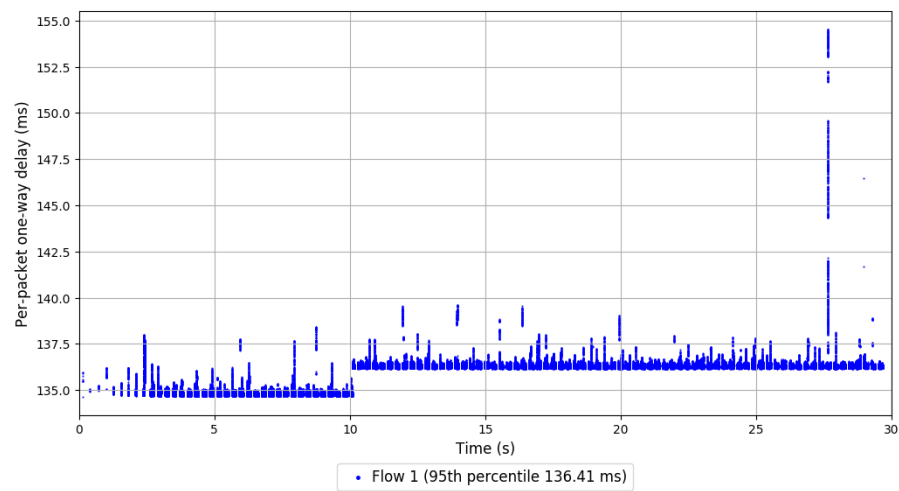
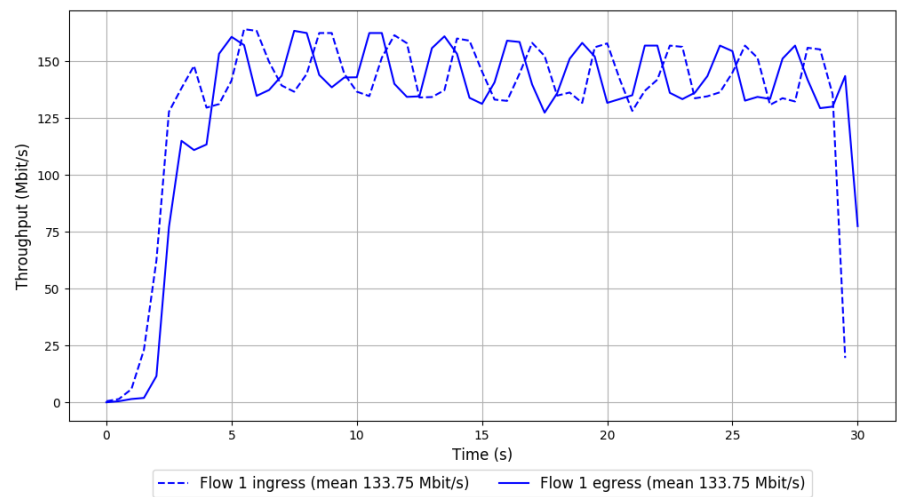
-- Flow 1:

Average throughput: 133.75 Mbit/s

95th percentile per-packet one-way delay: 136.408 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

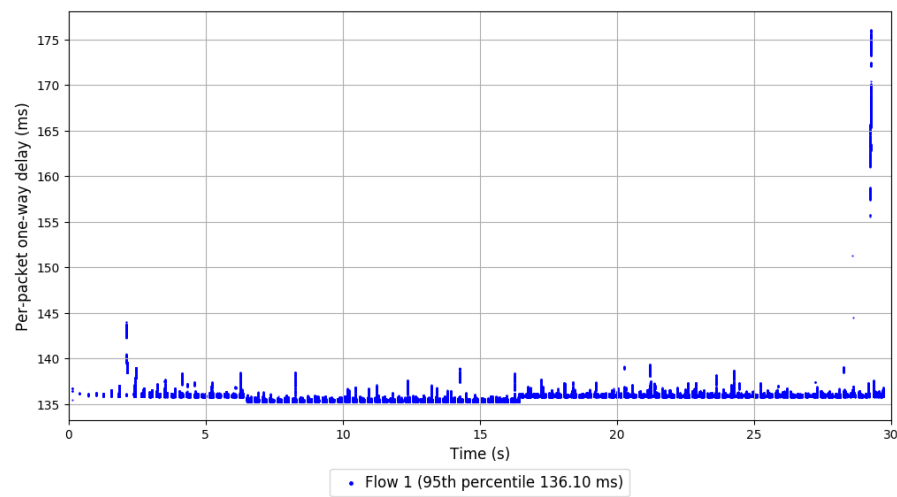
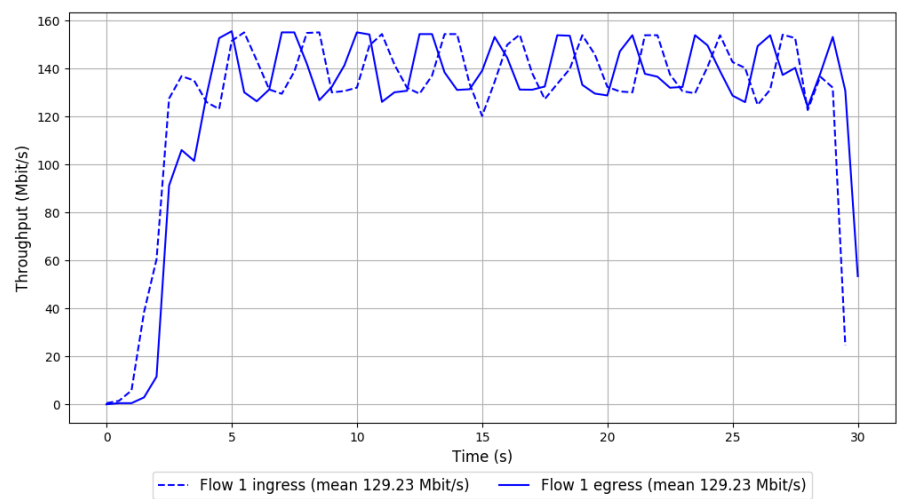


Run 6: Statistics of Indigo

Start at: 2018-05-31 07:39:02
End at: 2018-05-31 07:39:32
Local clock offset: -0.168 ms
Remote clock offset: -0.441 ms

Below is generated by plot.py at 2018-05-31 10:16:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 129.23 Mbit/s
95th percentile per-packet one-way delay: 136.104 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 129.23 Mbit/s
95th percentile per-packet one-way delay: 136.104 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

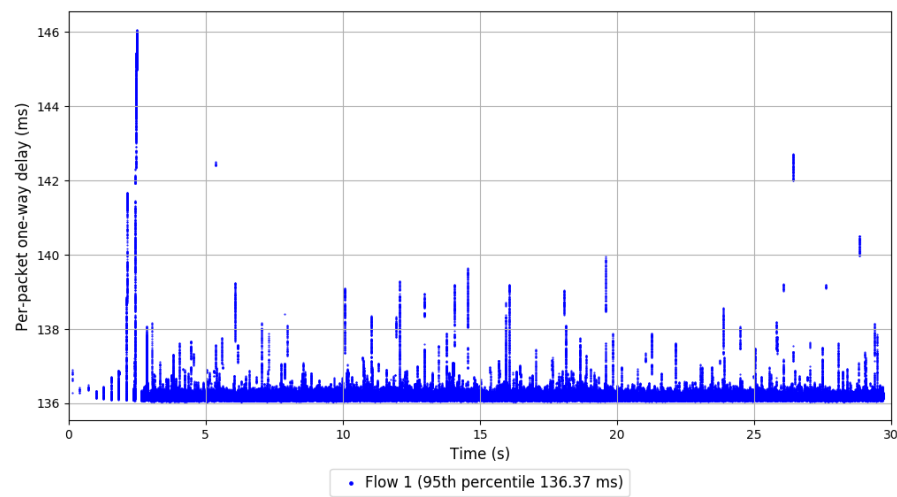
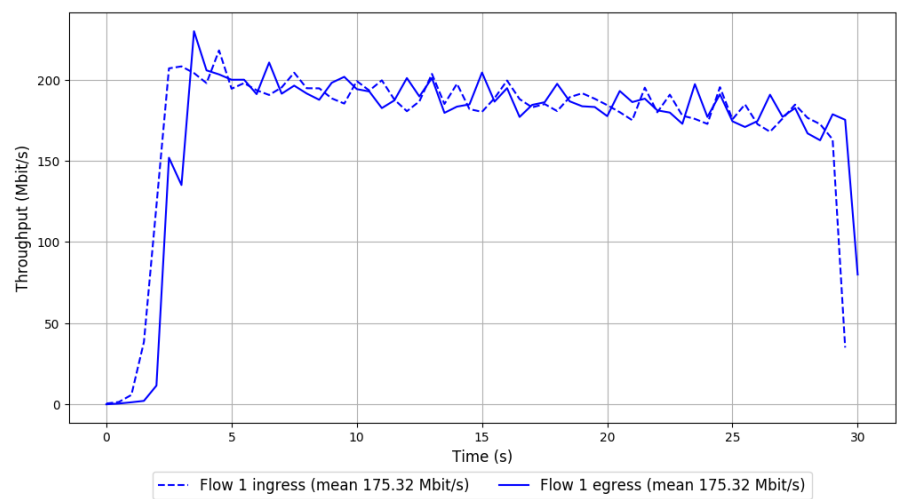


Run 7: Statistics of Indigo

Start at: 2018-05-31 08:00:37
End at: 2018-05-31 08:01:07
Local clock offset: -0.377 ms
Remote clock offset: -0.437 ms

Below is generated by plot.py at 2018-05-31 10:16:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 175.32 Mbit/s
95th percentile per-packet one-way delay: 136.372 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 175.32 Mbit/s
95th percentile per-packet one-way delay: 136.372 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

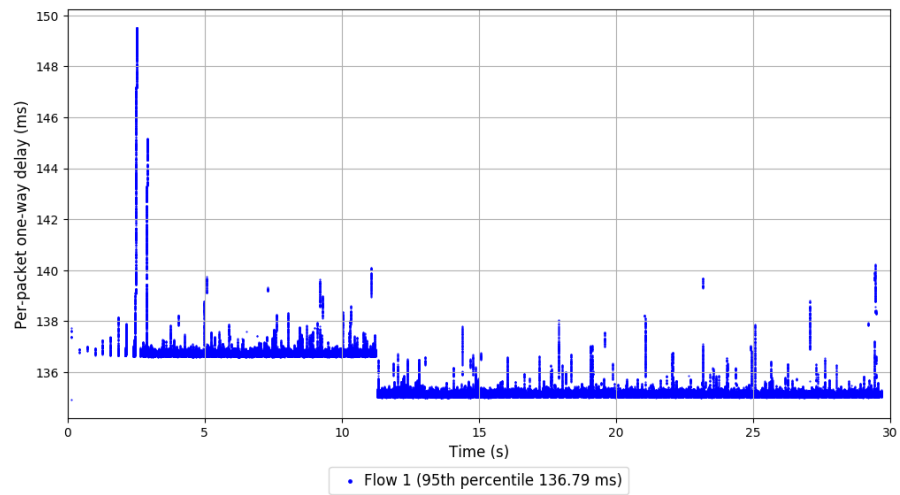
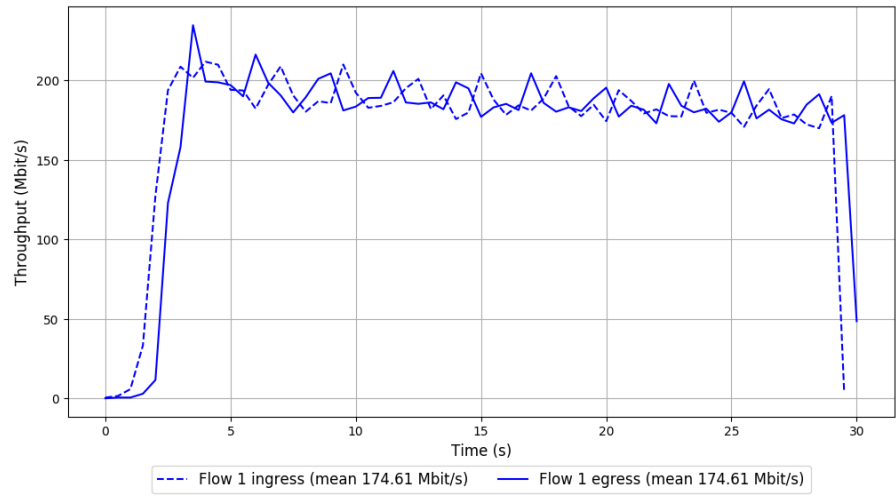


Run 8: Statistics of Indigo

Start at: 2018-05-31 08:21:48
End at: 2018-05-31 08:22:18
Local clock offset: -0.455 ms
Remote clock offset: -0.144 ms

Below is generated by plot.py at 2018-05-31 10:16:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 174.61 Mbit/s
95th percentile per-packet one-way delay: 136.792 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 174.61 Mbit/s
95th percentile per-packet one-way delay: 136.792 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-05-31 08:42:45

End at: 2018-05-31 08:43:16

Local clock offset: -0.25 ms

Remote clock offset: -0.5 ms

Below is generated by plot.py at 2018-05-31 10:16:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.74 Mbit/s

95th percentile per-packet one-way delay: 135.635 ms

Loss rate: 0.00%

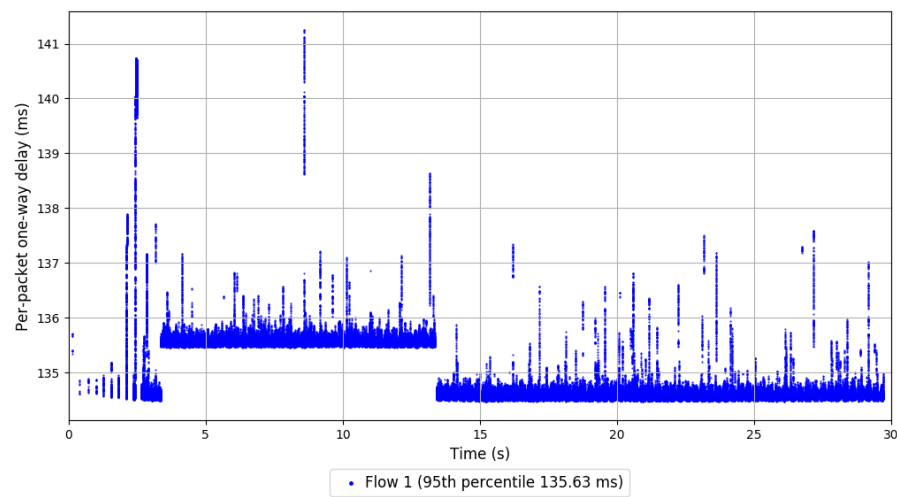
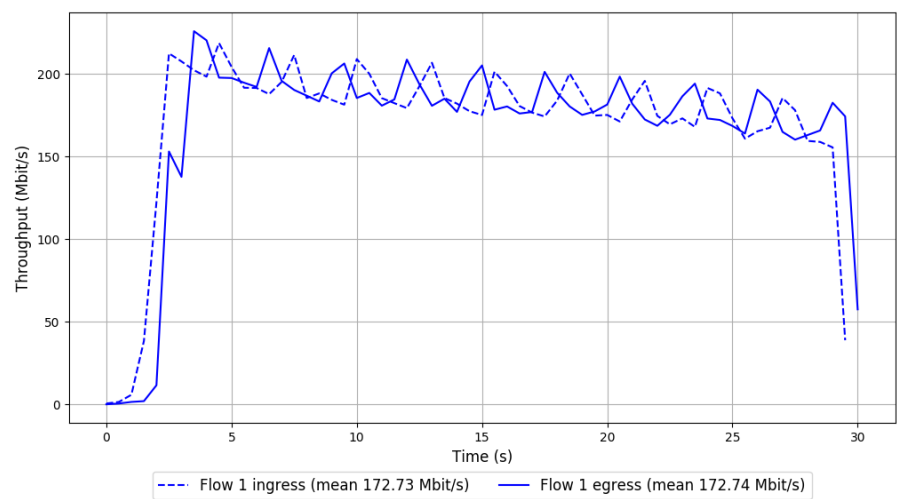
-- Flow 1:

Average throughput: 172.74 Mbit/s

95th percentile per-packet one-way delay: 135.635 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-05-31 09:04:15

End at: 2018-05-31 09:04:45

Local clock offset: 1.532 ms

Remote clock offset: -0.169 ms

Below is generated by plot.py at 2018-05-31 10:16:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.42 Mbit/s

95th percentile per-packet one-way delay: 134.279 ms

Loss rate: 0.02%

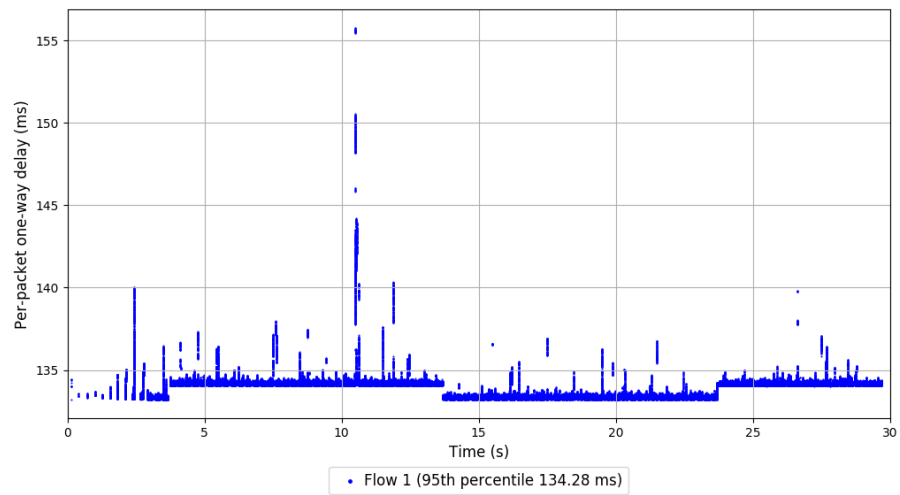
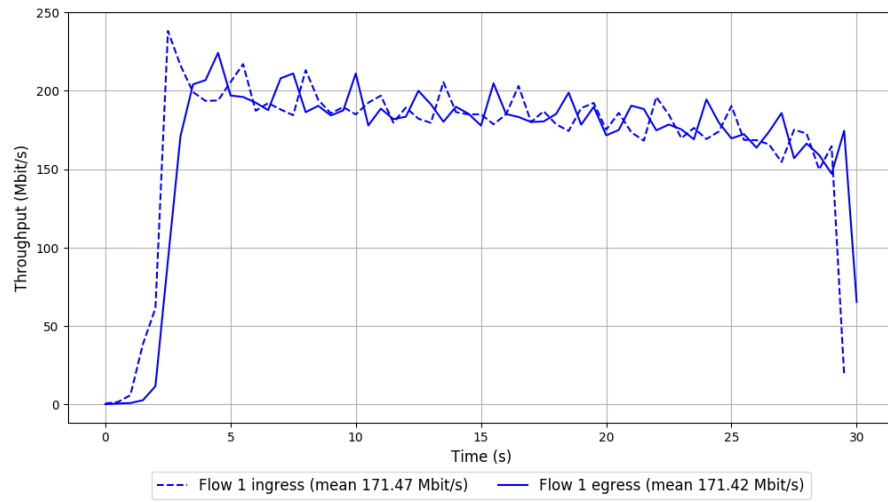
-- Flow 1:

Average throughput: 171.42 Mbit/s

95th percentile per-packet one-way delay: 134.279 ms

Loss rate: 0.02%

Run 10: Report of Indigo — Data Link

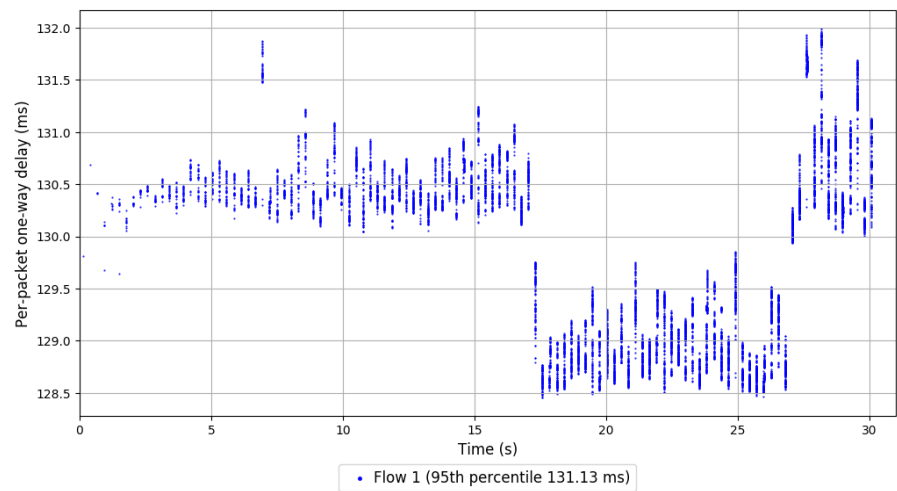
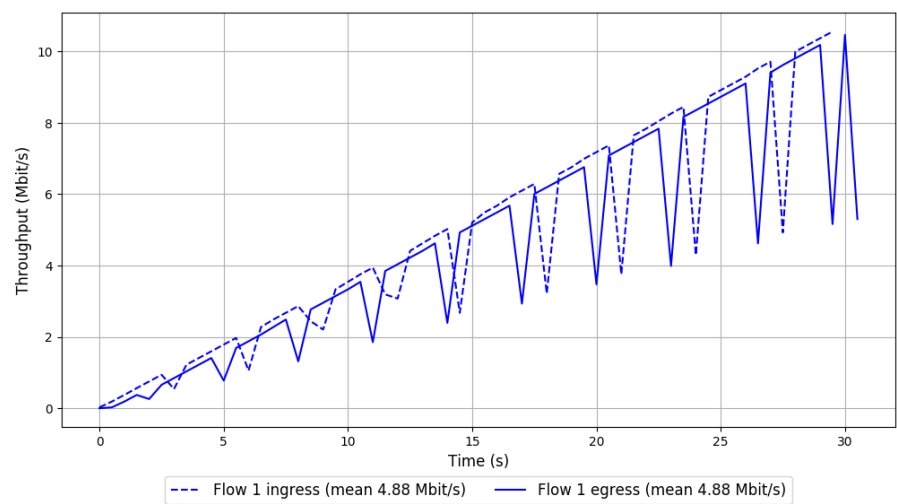


Run 1: Statistics of LEDBAT

Start at: 2018-05-31 05:53:12
End at: 2018-05-31 05:53:42
Local clock offset: 6.07 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-05-31 10:16:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.88 Mbit/s
95th percentile per-packet one-way delay: 131.129 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.88 Mbit/s
95th percentile per-packet one-way delay: 131.129 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link

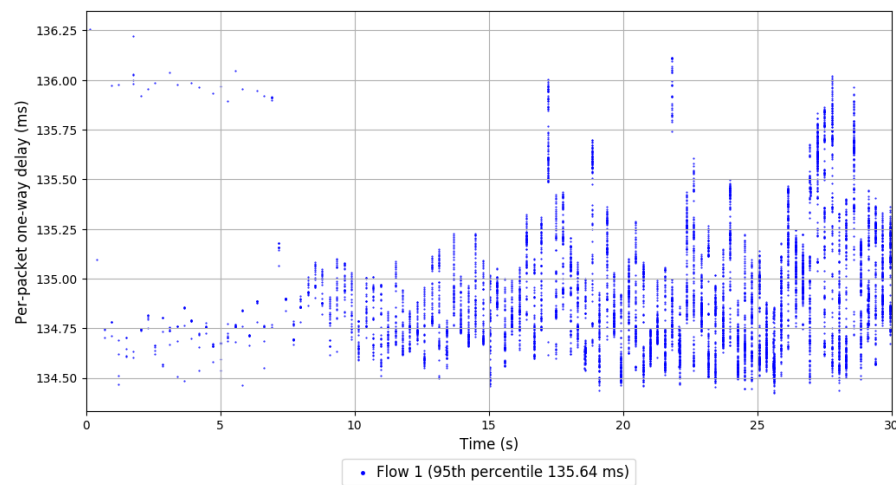
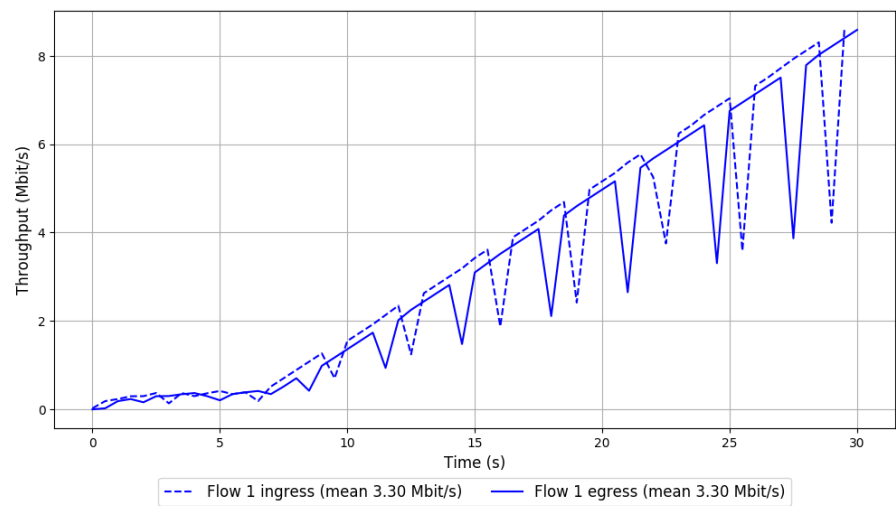


Run 2: Statistics of LEDBAT

Start at: 2018-05-31 06:14:26
End at: 2018-05-31 06:14:56
Local clock offset: -0.13 ms
Remote clock offset: -0.374 ms

Below is generated by plot.py at 2018-05-31 10:16:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.30 Mbit/s
95th percentile per-packet one-way delay: 135.641 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.30 Mbit/s
95th percentile per-packet one-way delay: 135.641 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-05-31 06:35:45

End at: 2018-05-31 06:36:15

Local clock offset: 6.341 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-05-31 10:16:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.95 Mbit/s

95th percentile per-packet one-way delay: 130.630 ms

Loss rate: 0.00%

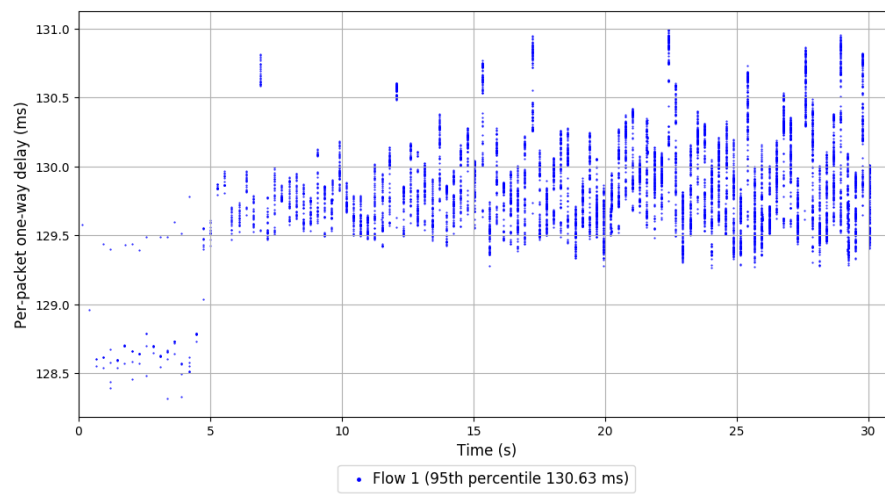
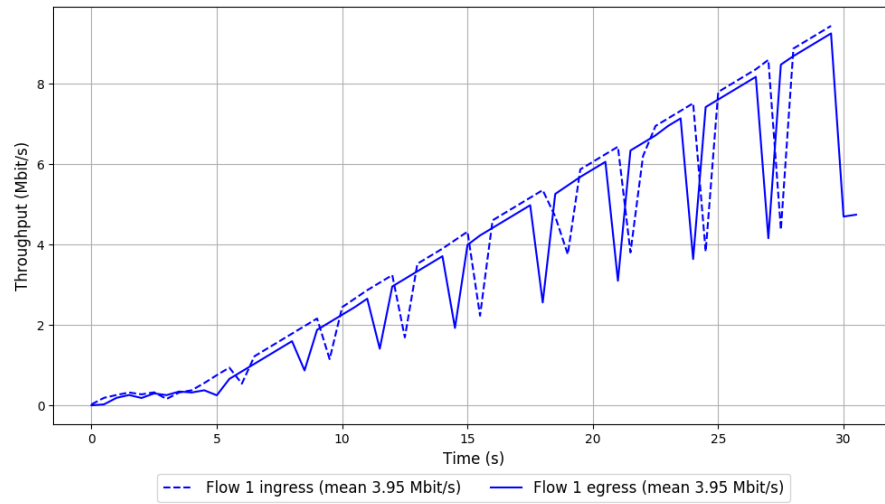
-- Flow 1:

Average throughput: 3.95 Mbit/s

95th percentile per-packet one-way delay: 130.630 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-05-31 06:57:11

End at: 2018-05-31 06:57:41

Local clock offset: -0.259 ms

Remote clock offset: 0.368 ms

Below is generated by plot.py at 2018-05-31 10:16:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.89 Mbit/s

95th percentile per-packet one-way delay: 137.496 ms

Loss rate: 0.00%

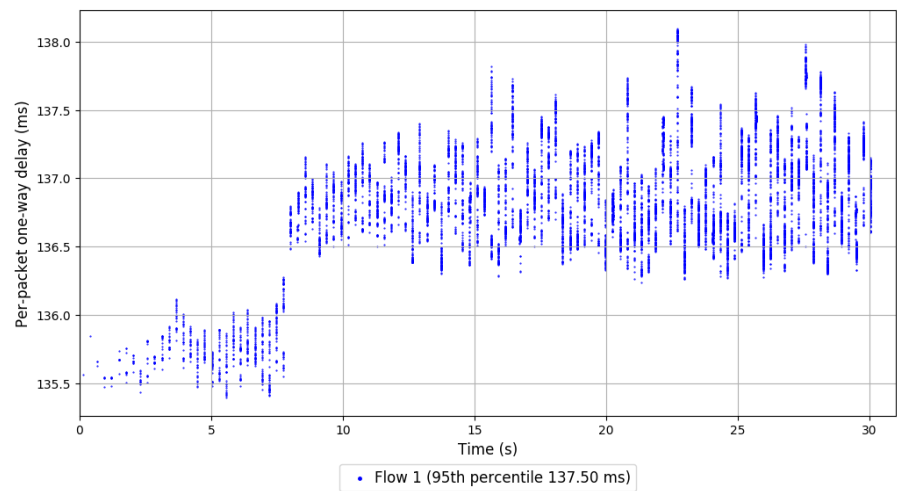
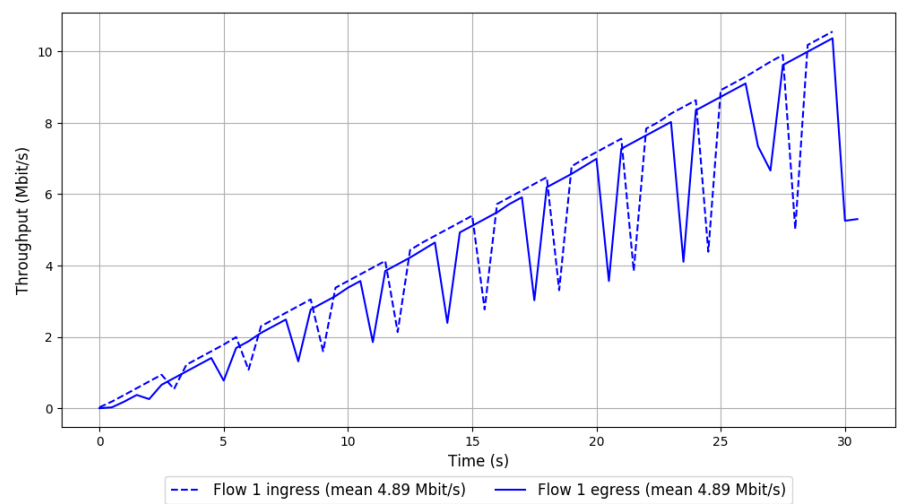
-- Flow 1:

Average throughput: 4.89 Mbit/s

95th percentile per-packet one-way delay: 137.496 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

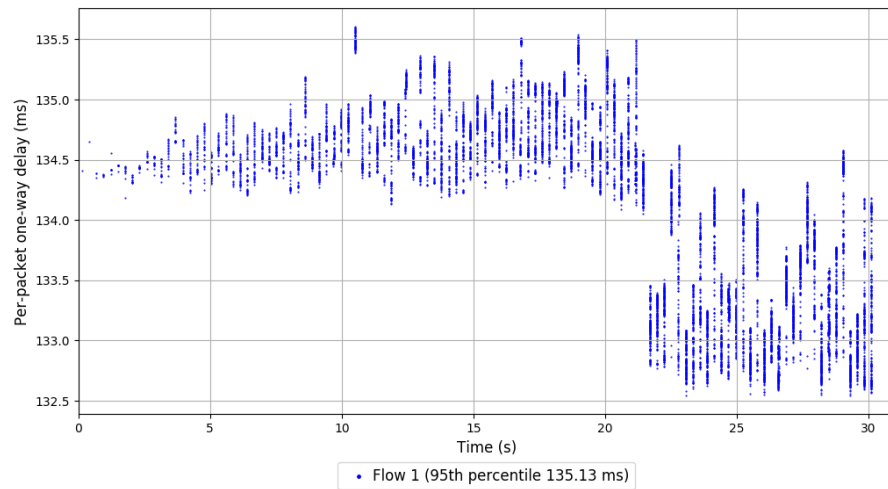
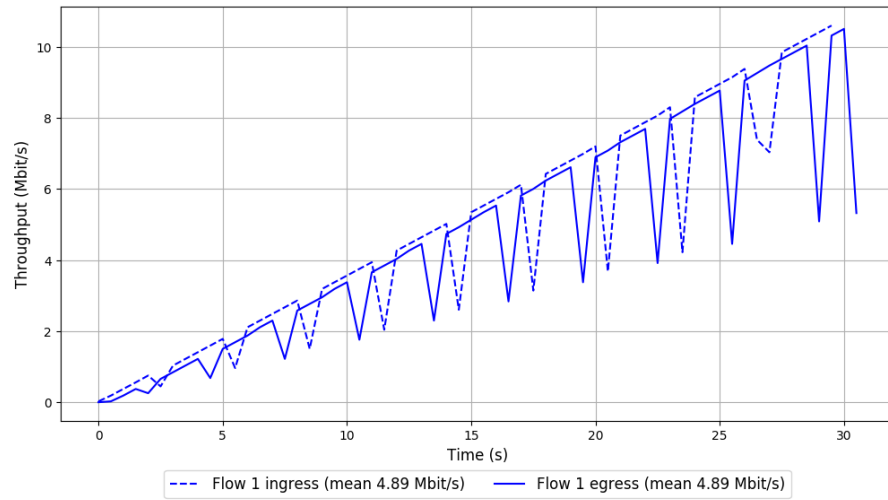


Run 5: Statistics of LEDBAT

Start at: 2018-05-31 07:18:48
End at: 2018-05-31 07:19:18
Local clock offset: 1.711 ms
Remote clock offset: -0.399 ms

Below is generated by plot.py at 2018-05-31 10:16:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.89 Mbit/s
95th percentile per-packet one-way delay: 135.130 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.89 Mbit/s
95th percentile per-packet one-way delay: 135.130 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

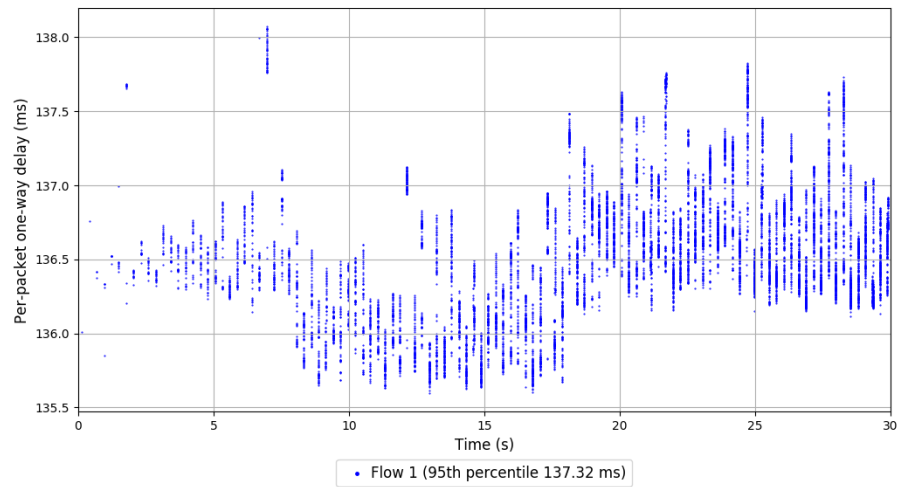
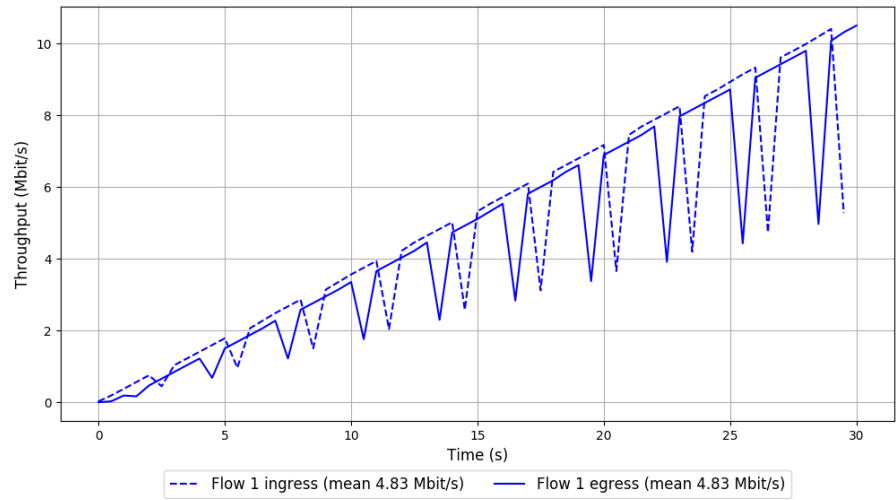


Run 6: Statistics of LEDBAT

Start at: 2018-05-31 07:40:21
End at: 2018-05-31 07:40:51
Local clock offset: -0.054 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-05-31 10:16:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.83 Mbit/s
95th percentile per-packet one-way delay: 137.320 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.83 Mbit/s
95th percentile per-packet one-way delay: 137.320 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

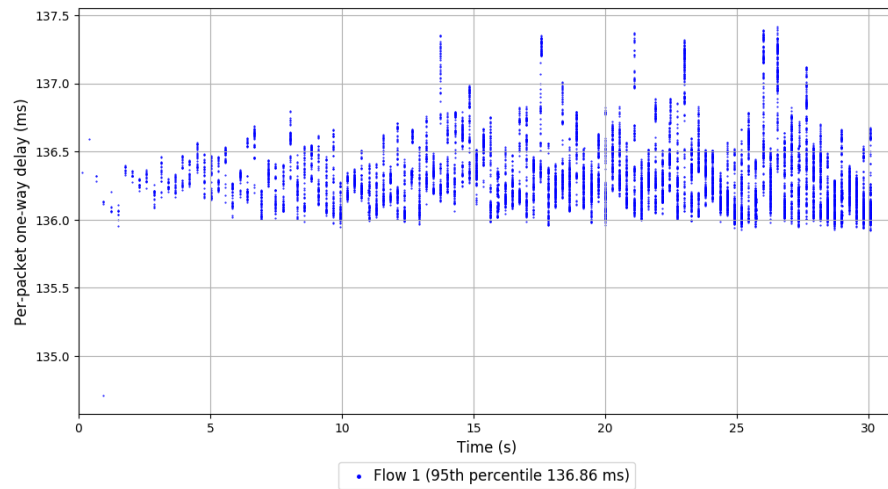
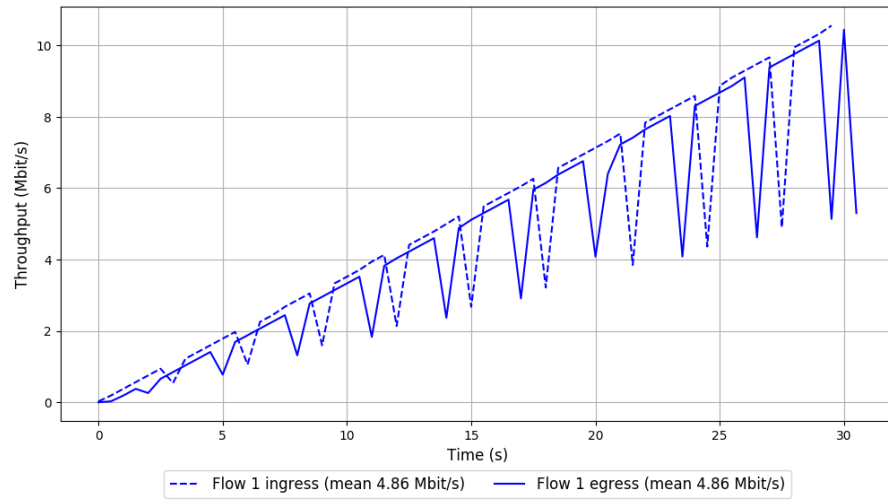


Run 7: Statistics of LEDBAT

Start at: 2018-05-31 08:01:59
End at: 2018-05-31 08:02:29
Local clock offset: -0.281 ms
Remote clock offset: -0.492 ms

Below is generated by plot.py at 2018-05-31 10:16:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.86 Mbit/s
95th percentile per-packet one-way delay: 136.856 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.86 Mbit/s
95th percentile per-packet one-way delay: 136.856 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-05-31 08:23:09

End at: 2018-05-31 08:23:39

Local clock offset: 0.074 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2018-05-31 10:16:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.86 Mbit/s

95th percentile per-packet one-way delay: 136.949 ms

Loss rate: 0.00%

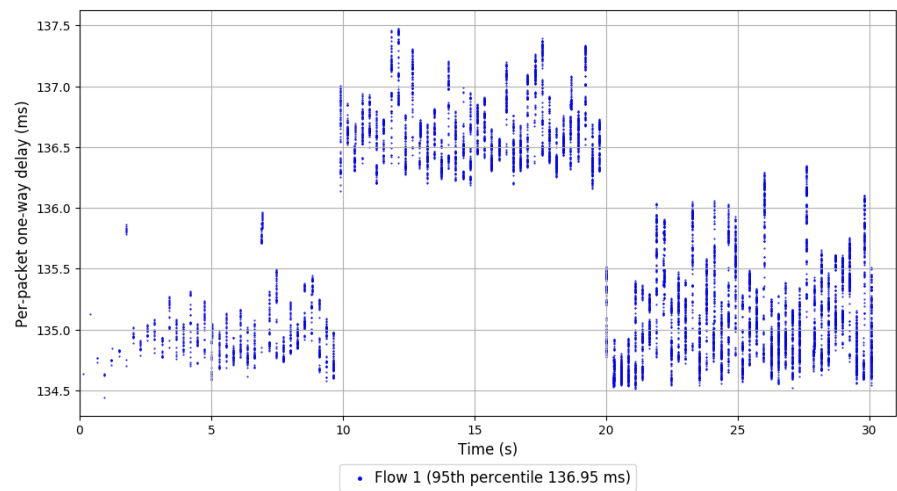
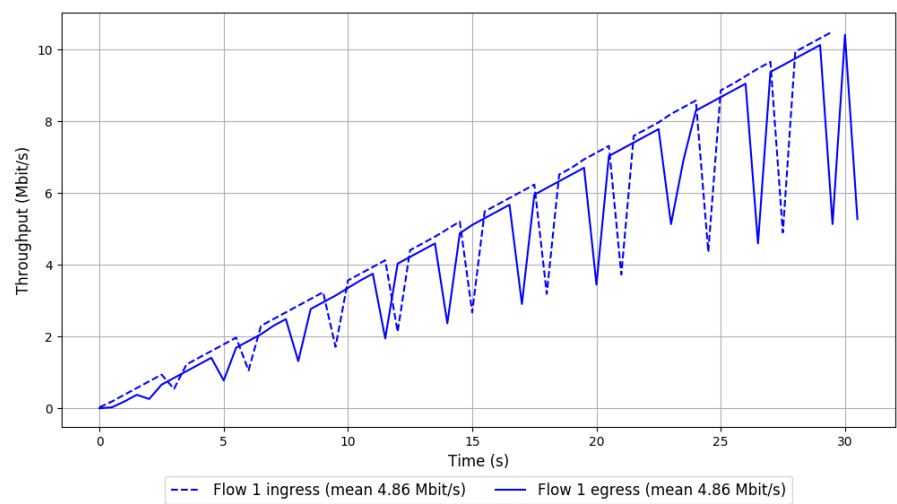
-- Flow 1:

Average throughput: 4.86 Mbit/s

95th percentile per-packet one-way delay: 136.949 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

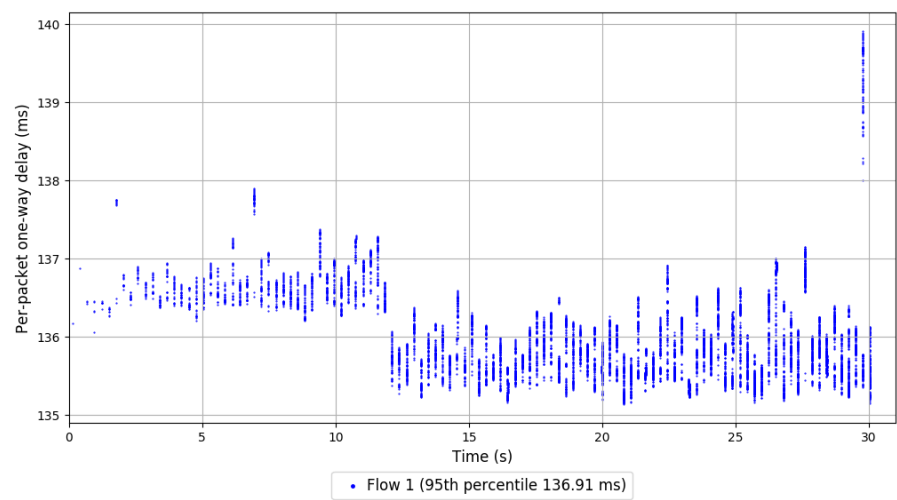
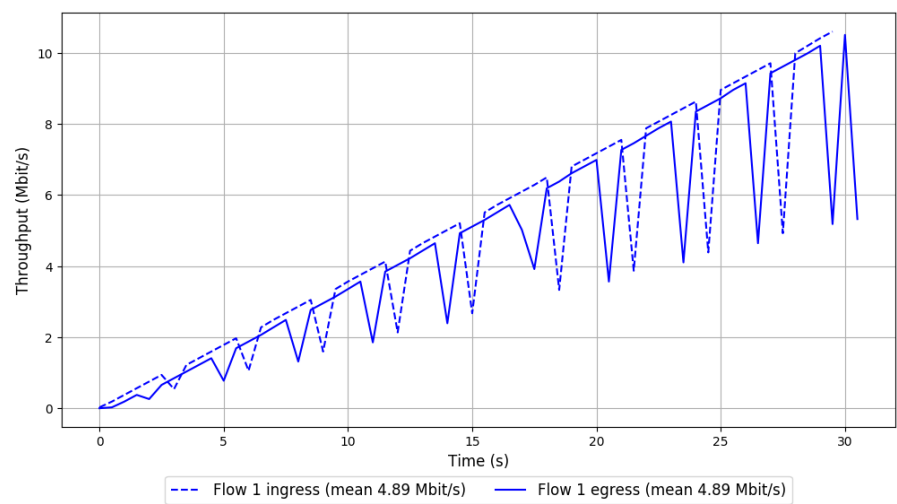


Run 9: Statistics of LEDBAT

Start at: 2018-05-31 08:44:07
End at: 2018-05-31 08:44:37
Local clock offset: -0.52 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-05-31 10:16:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.89 Mbit/s
95th percentile per-packet one-way delay: 136.909 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.89 Mbit/s
95th percentile per-packet one-way delay: 136.909 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-05-31 09:05:37

End at: 2018-05-31 09:06:07

Local clock offset: 6.239 ms

Remote clock offset: -0.15 ms

Below is generated by plot.py at 2018-05-31 10:16:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.84 Mbit/s

95th percentile per-packet one-way delay: 130.619 ms

Loss rate: 0.01%

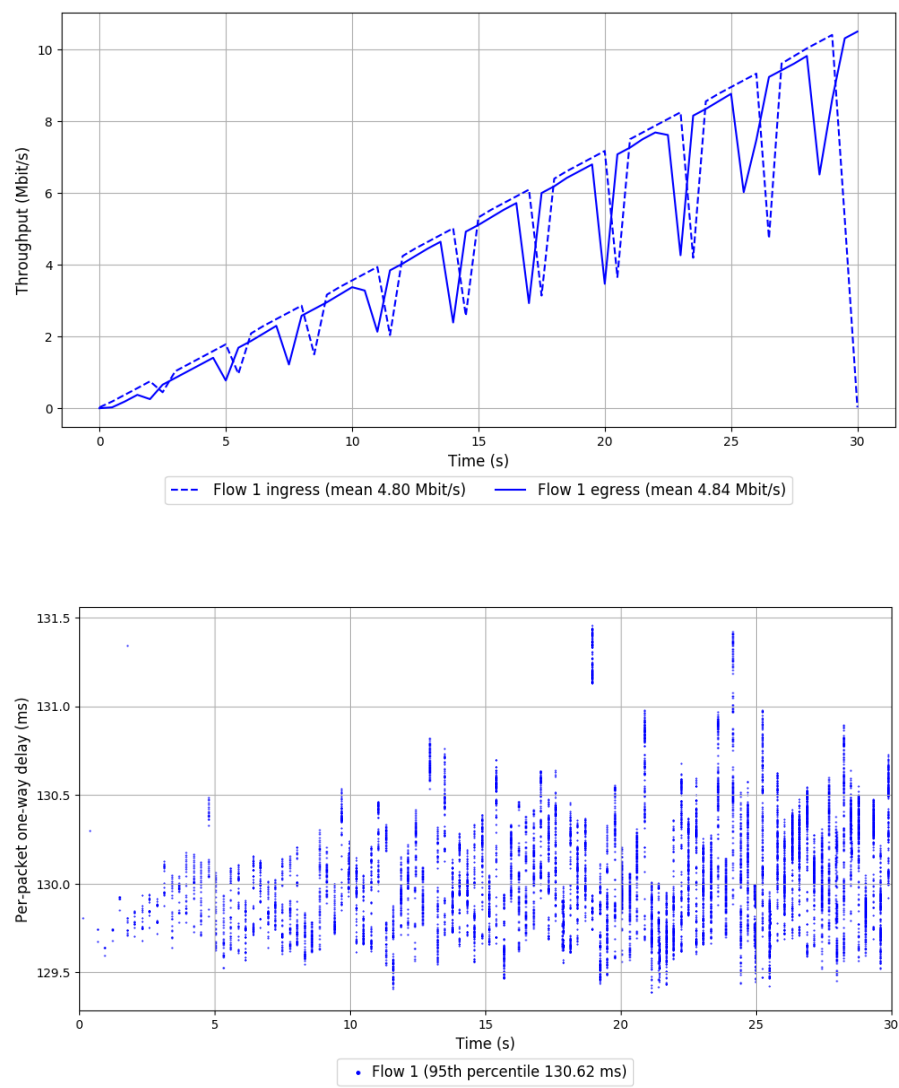
-- Flow 1:

Average throughput: 4.84 Mbit/s

95th percentile per-packet one-way delay: 130.619 ms

Loss rate: 0.01%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-05-31 05:59:26

End at: 2018-05-31 05:59:56

Local clock offset: 4.234 ms

Remote clock offset: -0.356 ms

Below is generated by plot.py at 2018-05-31 10:16:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 567.91 Mbit/s

95th percentile per-packet one-way delay: 147.800 ms

Loss rate: 0.90%

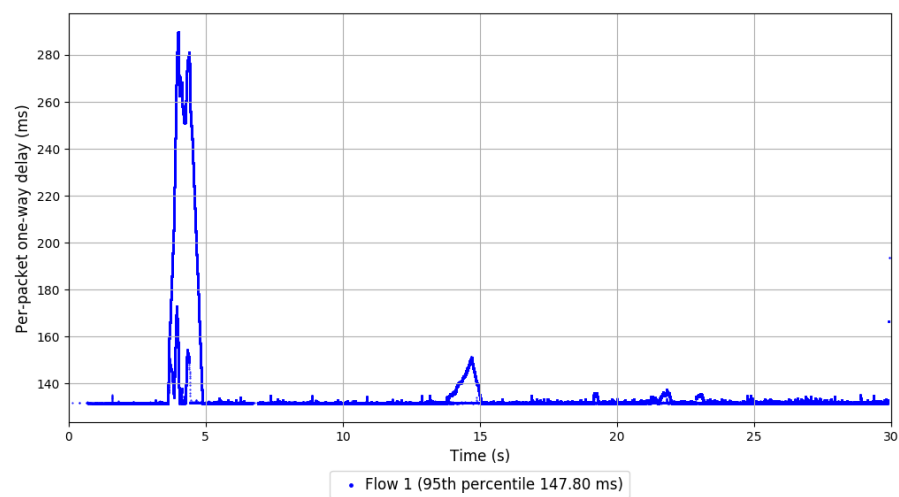
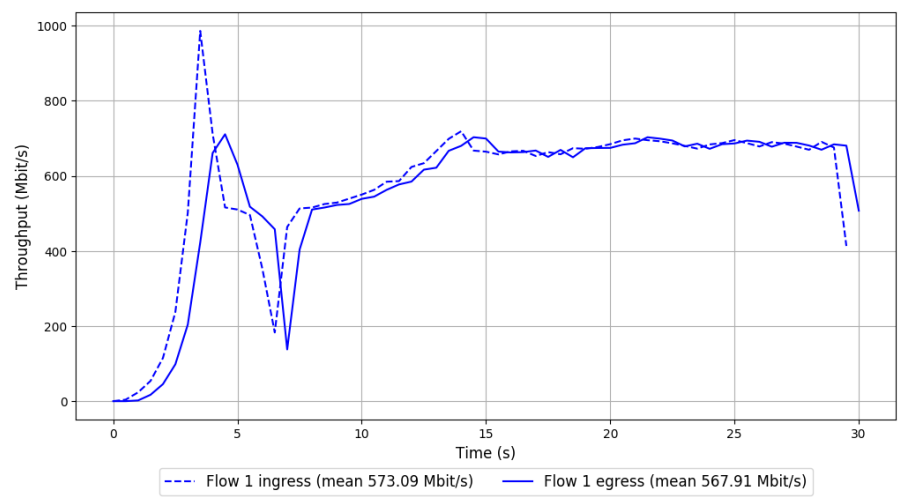
-- Flow 1:

Average throughput: 567.91 Mbit/s

95th percentile per-packet one-way delay: 147.800 ms

Loss rate: 0.90%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-05-31 06:20:41

End at: 2018-05-31 06:21:12

Local clock offset: 5.878 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-05-31 10:16:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 571.39 Mbit/s

95th percentile per-packet one-way delay: 218.307 ms

Loss rate: 1.21%

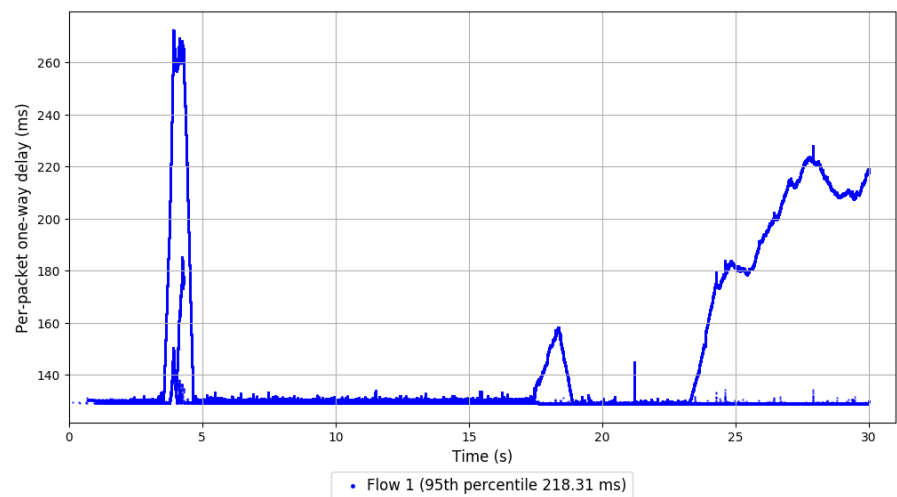
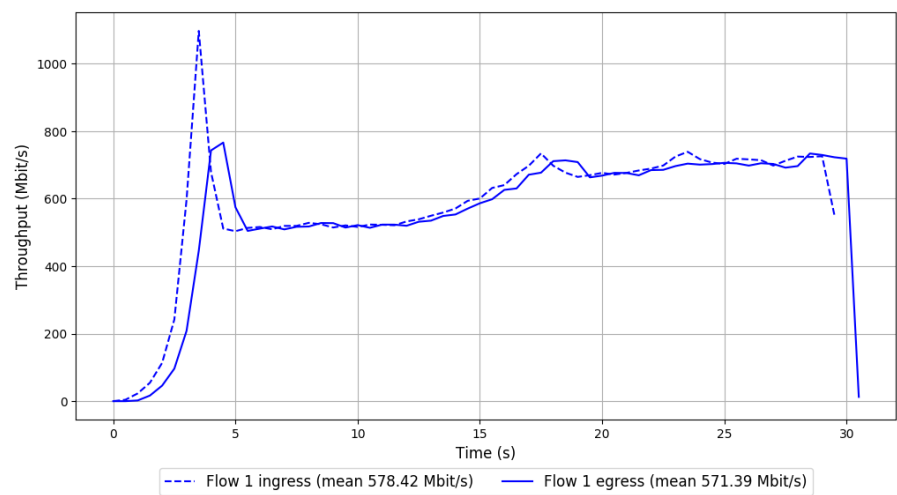
-- Flow 1:

Average throughput: 571.39 Mbit/s

95th percentile per-packet one-way delay: 218.307 ms

Loss rate: 1.21%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-05-31 06:41:58

End at: 2018-05-31 06:42:28

Local clock offset: 4.206 ms

Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-05-31 10:16:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 560.27 Mbit/s

95th percentile per-packet one-way delay: 266.864 ms

Loss rate: 2.76%

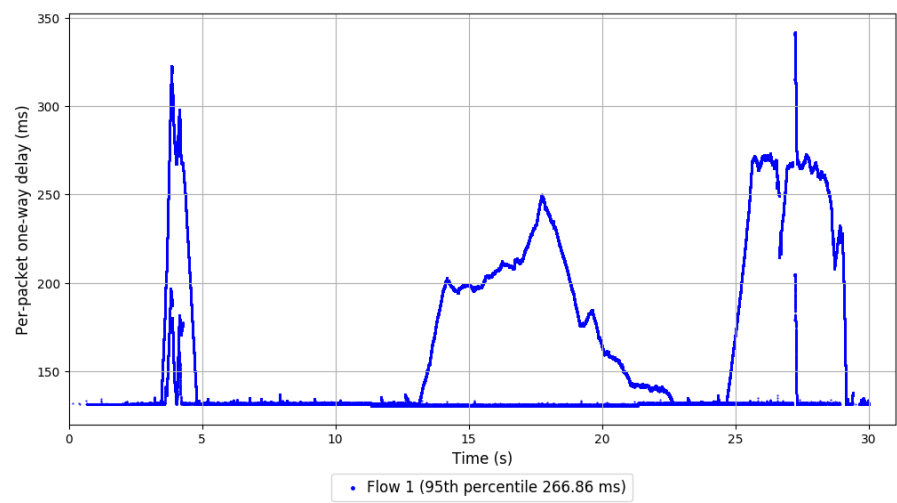
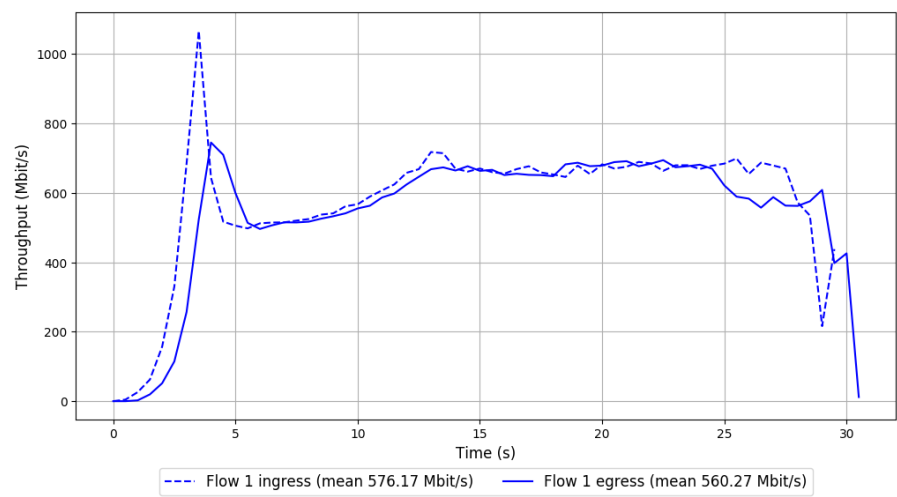
-- Flow 1:

Average throughput: 560.27 Mbit/s

95th percentile per-packet one-way delay: 266.864 ms

Loss rate: 2.76%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-05-31 07:03:21

End at: 2018-05-31 07:03:51

Local clock offset: -0.178 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-05-31 10:16:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 570.19 Mbit/s

95th percentile per-packet one-way delay: 160.548 ms

Loss rate: 0.87%

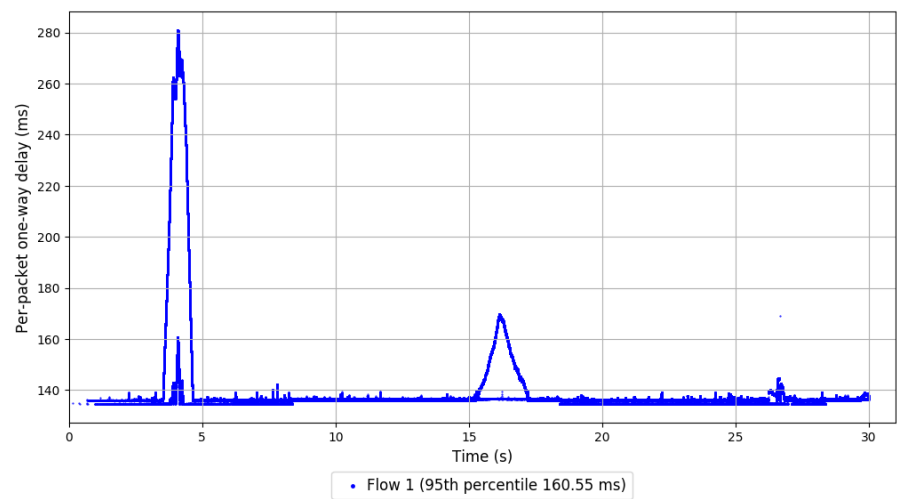
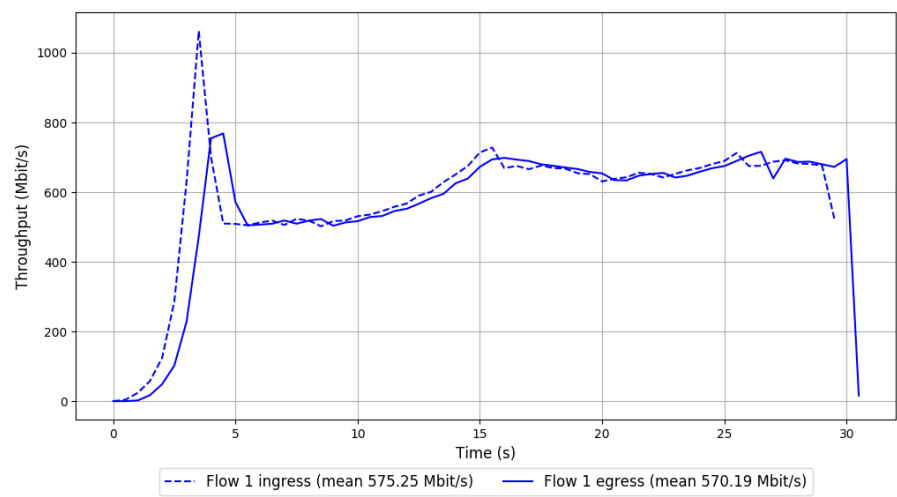
-- Flow 1:

Average throughput: 570.19 Mbit/s

95th percentile per-packet one-way delay: 160.548 ms

Loss rate: 0.87%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-05-31 07:25:02

End at: 2018-05-31 07:25:32

Local clock offset: 5.706 ms

Remote clock offset: -0.388 ms

Below is generated by plot.py at 2018-05-31 10:16:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 515.65 Mbit/s

95th percentile per-packet one-way delay: 257.812 ms

Loss rate: 1.44%

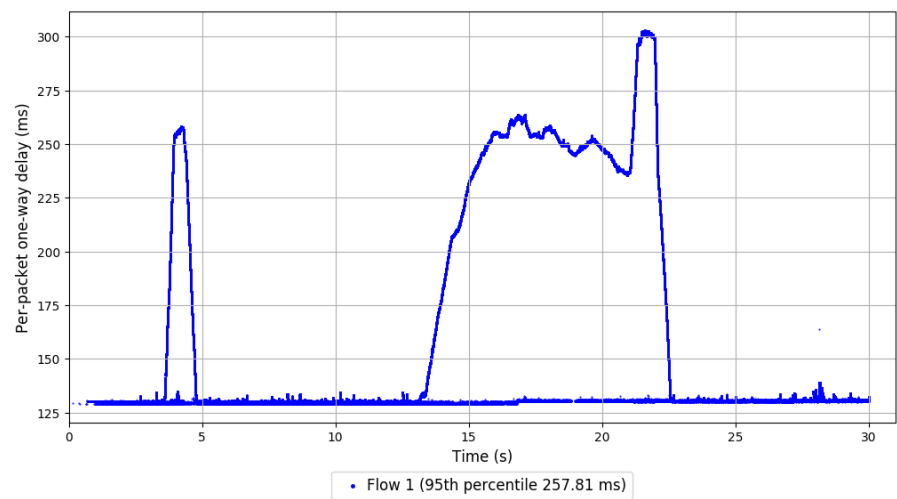
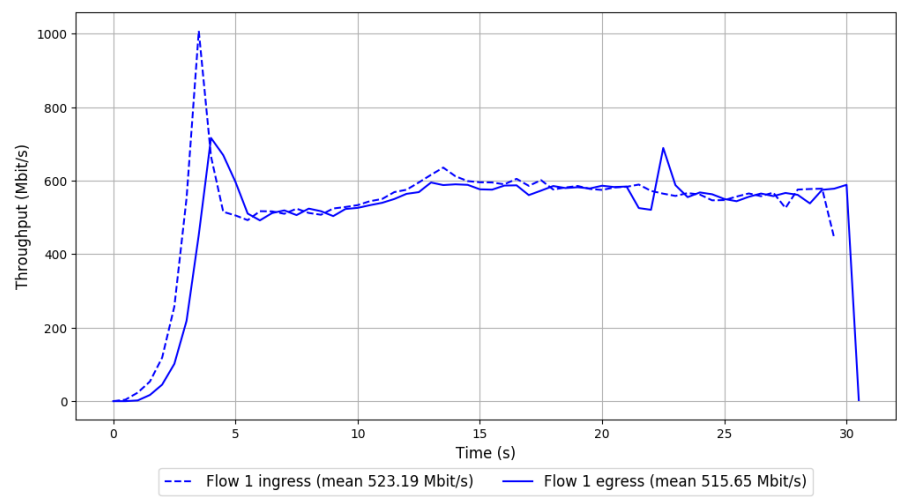
-- Flow 1:

Average throughput: 515.65 Mbit/s

95th percentile per-packet one-way delay: 257.812 ms

Loss rate: 1.44%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-05-31 07:46:34

End at: 2018-05-31 07:47:04

Local clock offset: 5.941 ms

Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-05-31 10:16:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 585.42 Mbit/s

95th percentile per-packet one-way delay: 218.655 ms

Loss rate: 0.89%

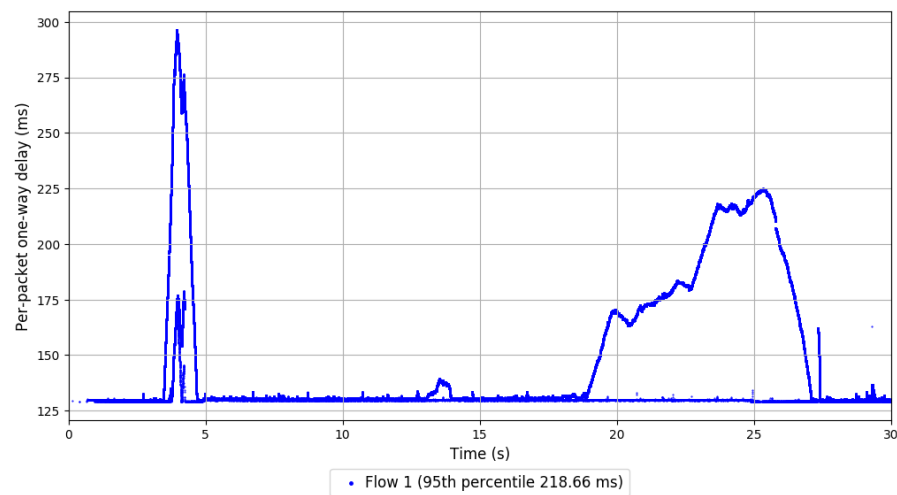
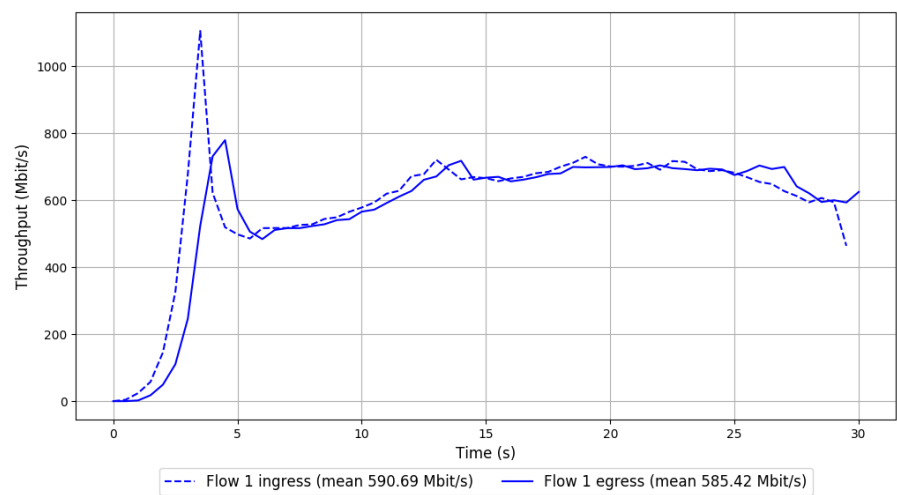
-- Flow 1:

Average throughput: 585.42 Mbit/s

95th percentile per-packet one-way delay: 218.655 ms

Loss rate: 0.89%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-05-31 08:08:16

End at: 2018-05-31 08:08:46

Local clock offset: -0.03 ms

Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-05-31 10:22:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 495.73 Mbit/s

95th percentile per-packet one-way delay: 276.636 ms

Loss rate: 3.38%

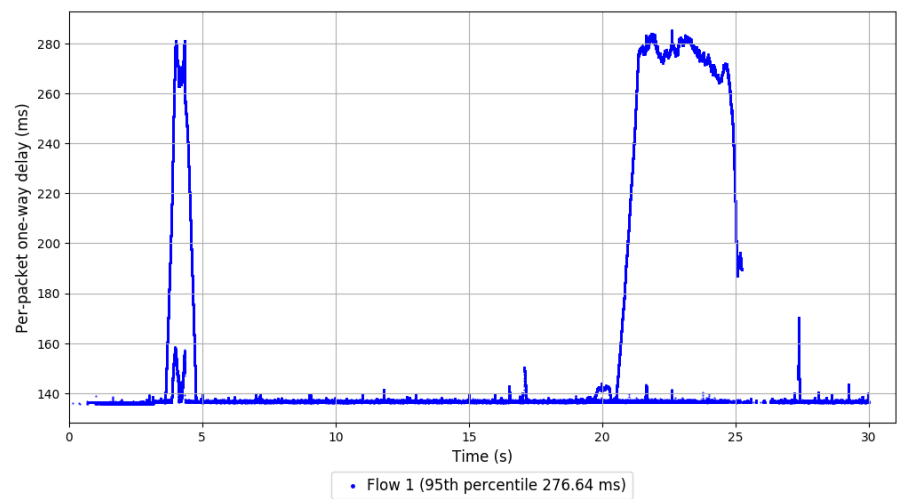
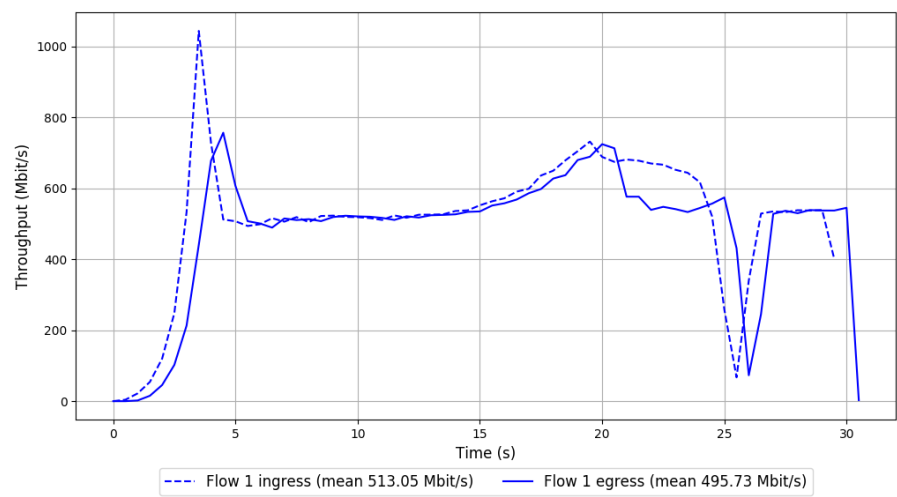
-- Flow 1:

Average throughput: 495.73 Mbit/s

95th percentile per-packet one-way delay: 276.636 ms

Loss rate: 3.38%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-05-31 08:29:24

End at: 2018-05-31 08:29:54

Local clock offset: -0.001 ms

Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-05-31 10:23:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 594.37 Mbit/s

95th percentile per-packet one-way delay: 157.684 ms

Loss rate: 0.76%

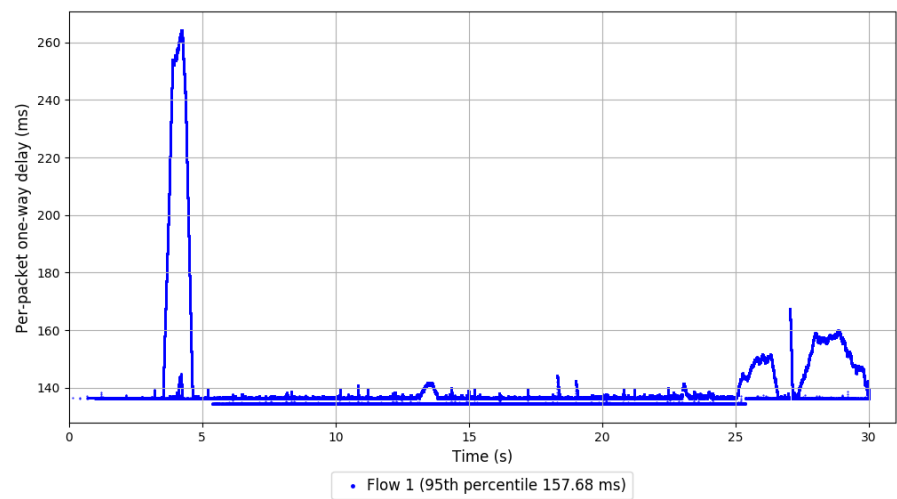
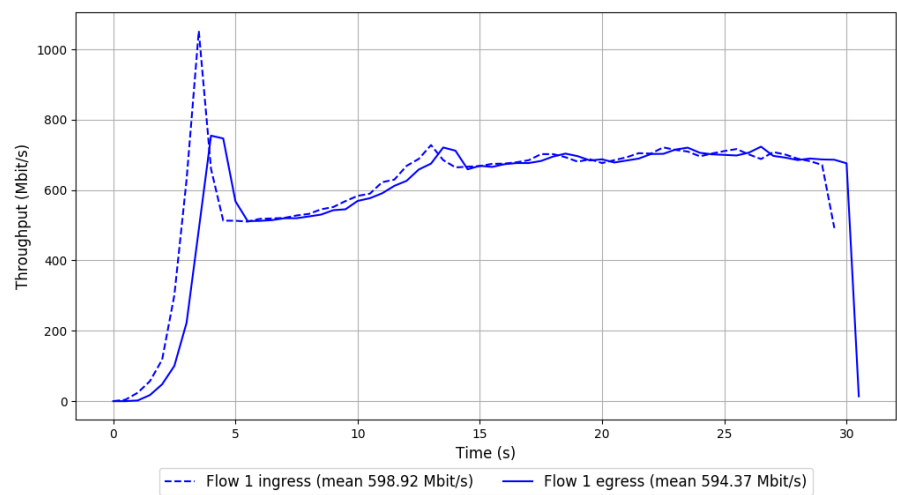
-- Flow 1:

Average throughput: 594.37 Mbit/s

95th percentile per-packet one-way delay: 157.684 ms

Loss rate: 0.76%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-05-31 08:50:24

End at: 2018-05-31 08:50:54

Local clock offset: -0.303 ms

Remote clock offset: -0.131 ms

Below is generated by plot.py at 2018-05-31 10:23:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 512.61 Mbit/s

95th percentile per-packet one-way delay: 265.819 ms

Loss rate: 1.61%

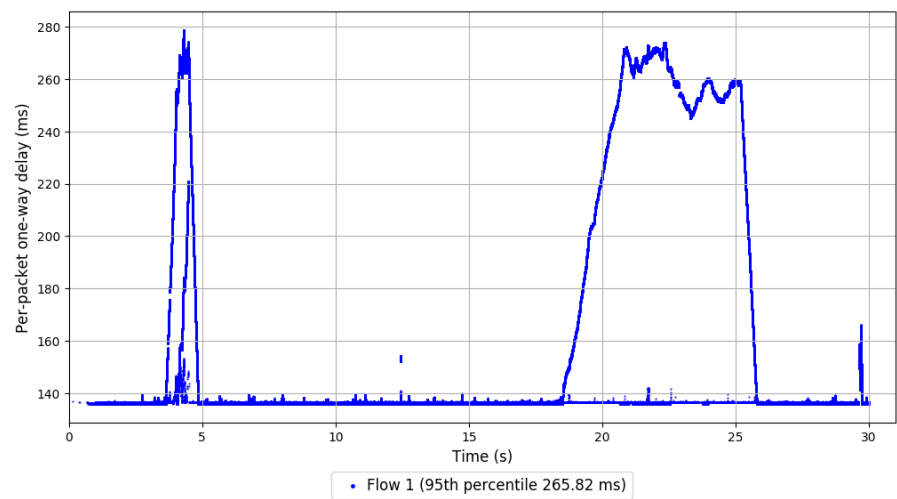
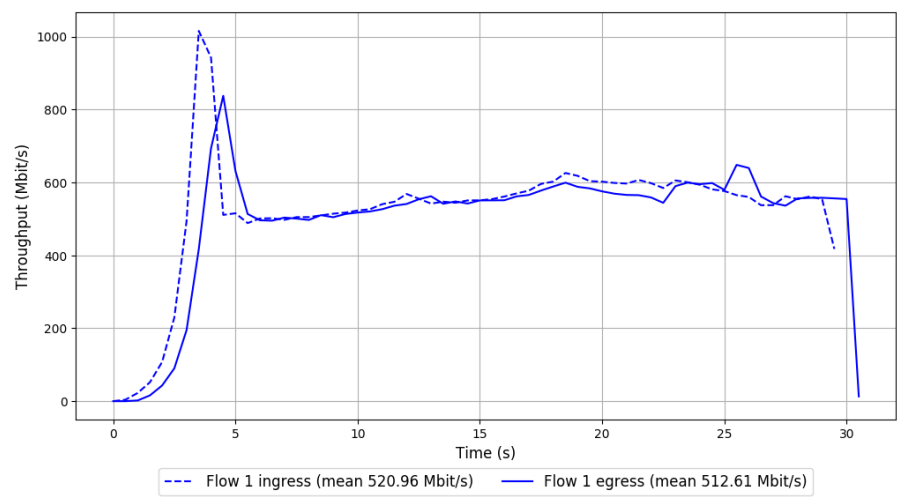
-- Flow 1:

Average throughput: 512.61 Mbit/s

95th percentile per-packet one-way delay: 265.819 ms

Loss rate: 1.61%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-05-31 09:11:52

End at: 2018-05-31 09:12:22

Local clock offset: 1.589 ms

Remote clock offset: -0.178 ms

Below is generated by plot.py at 2018-05-31 10:24:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 570.62 Mbit/s

95th percentile per-packet one-way delay: 226.056 ms

Loss rate: 1.57%

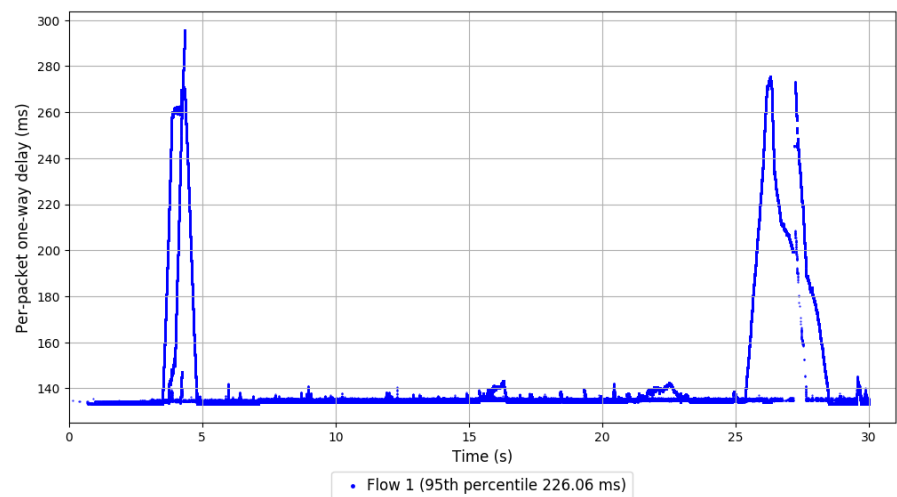
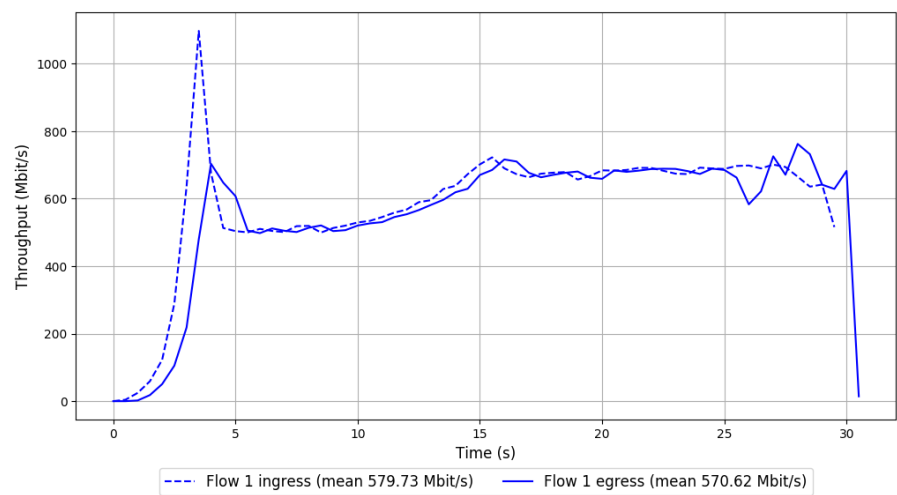
-- Flow 1:

Average throughput: 570.62 Mbit/s

95th percentile per-packet one-way delay: 226.056 ms

Loss rate: 1.57%

Run 10: Report of PCC-Allegro — Data Link

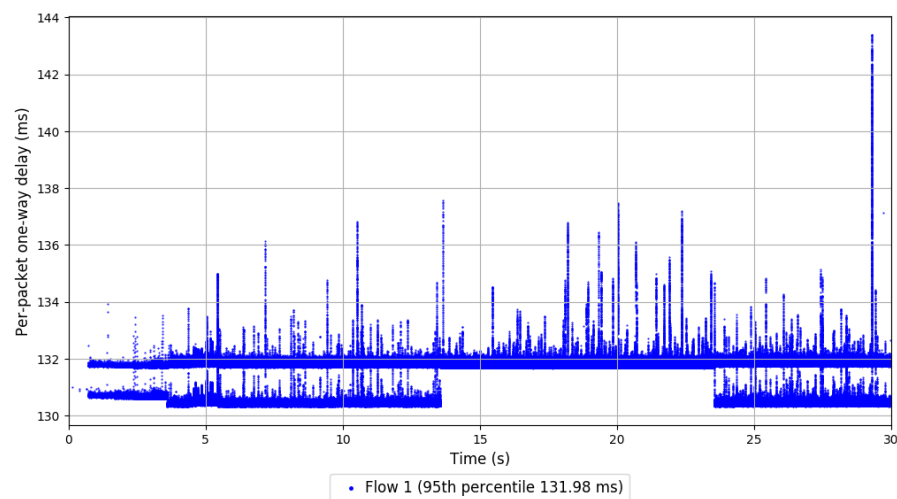
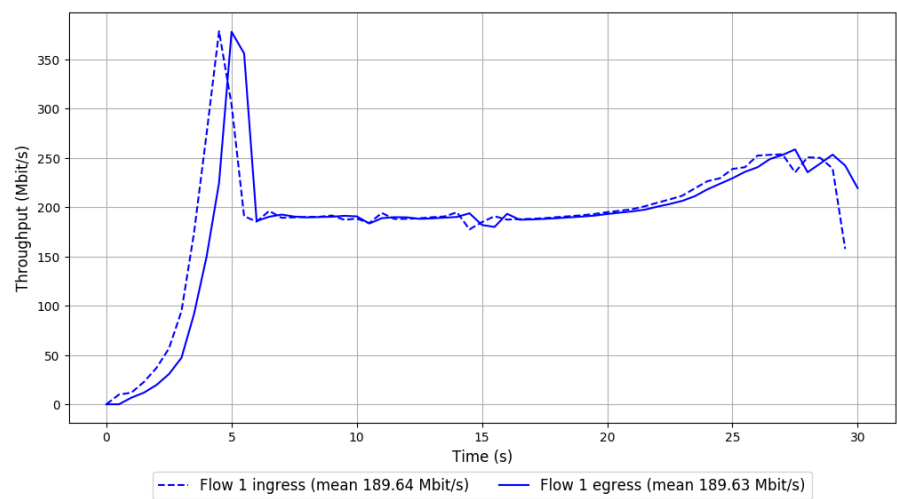


```
Run 1: Statistics of PCC-Expr

Start at: 2018-05-31 06:10:25
End at: 2018-05-31 06:10:56
Local clock offset: 4.319 ms
Remote clock offset: 0.03 ms

# Below is generated by plot.py at 2018-05-31 10:24:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 189.63 Mbit/s
95th percentile per-packet one-way delay: 131.979 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 189.63 Mbit/s
95th percentile per-packet one-way delay: 131.979 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-05-31 06:31:25

End at: 2018-05-31 06:31:55

Local clock offset: -0.168 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2018-05-31 10:26:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 340.56 Mbit/s

95th percentile per-packet one-way delay: 140.869 ms

Loss rate: 0.00%

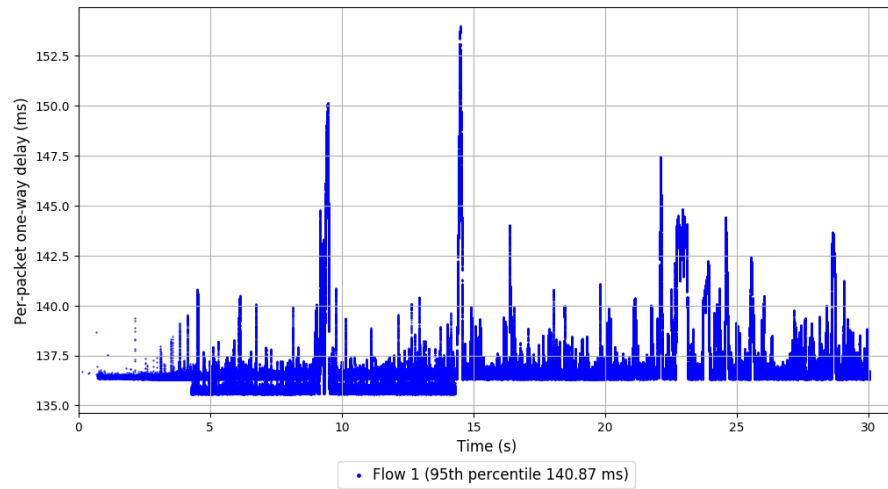
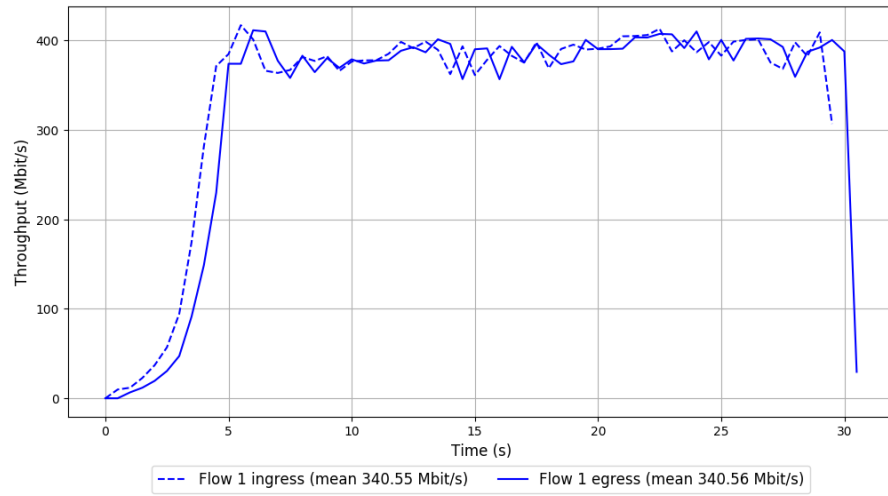
-- Flow 1:

Average throughput: 340.56 Mbit/s

95th percentile per-packet one-way delay: 140.869 ms

Loss rate: 0.00%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-05-31 06:53:02

End at: 2018-05-31 06:53:32

Local clock offset: 0.164 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-05-31 10:26:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 256.30 Mbit/s

95th percentile per-packet one-way delay: 136.849 ms

Loss rate: 0.00%

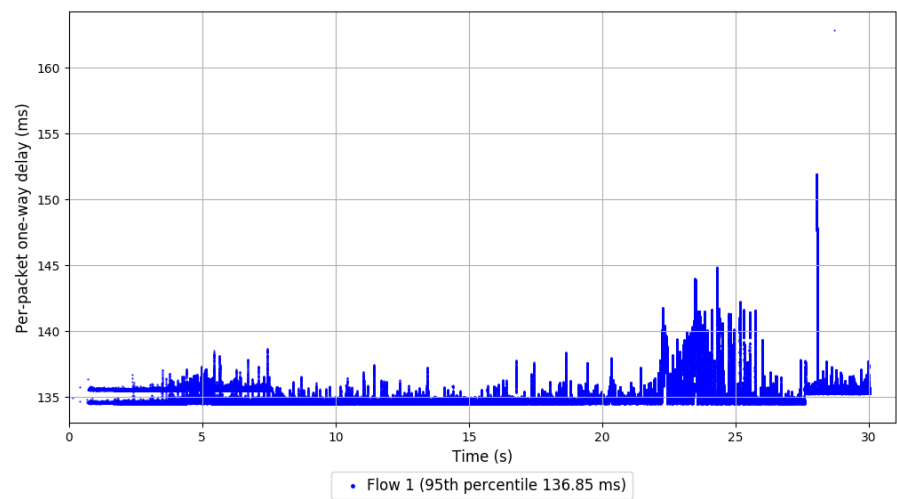
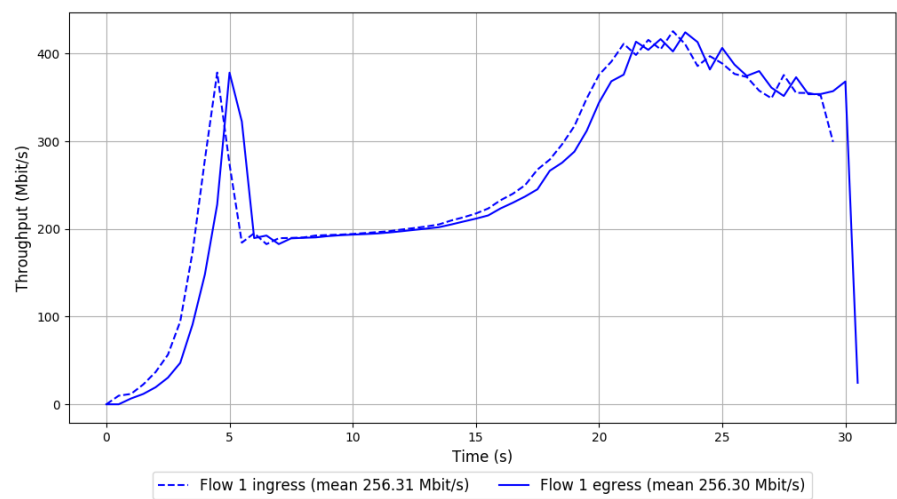
-- Flow 1:

Average throughput: 256.30 Mbit/s

95th percentile per-packet one-way delay: 136.849 ms

Loss rate: 0.00%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-05-31 07:14:26

End at: 2018-05-31 07:14:56

Local clock offset: -0.033 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-05-31 10:27:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 326.50 Mbit/s

95th percentile per-packet one-way delay: 136.435 ms

Loss rate: 0.00%

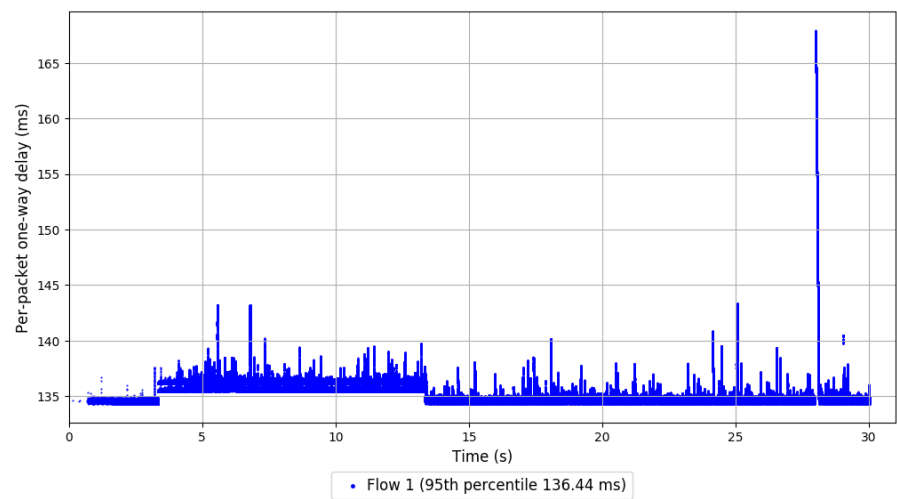
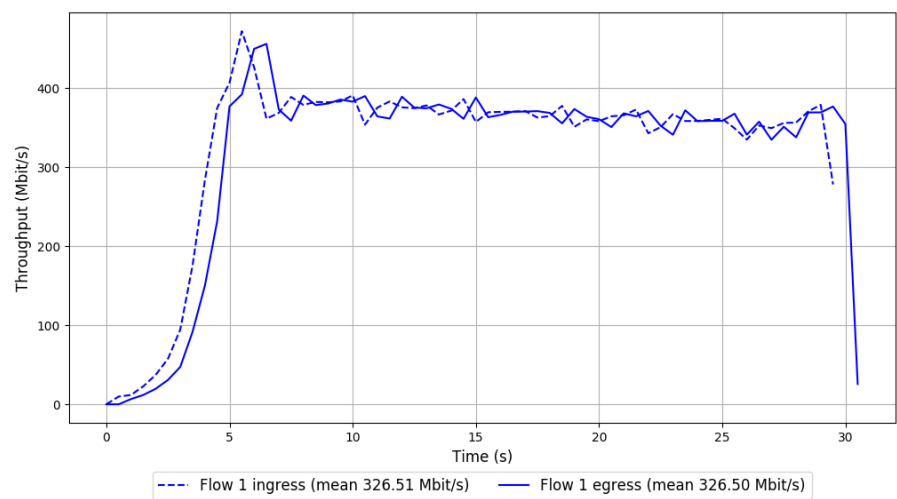
-- Flow 1:

Average throughput: 326.50 Mbit/s

95th percentile per-packet one-way delay: 136.435 ms

Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-05-31 07:36:13

End at: 2018-05-31 07:36:43

Local clock offset: 1.583 ms

Remote clock offset: 0.285 ms

Below is generated by plot.py at 2018-05-31 10:30:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 275.15 Mbit/s

95th percentile per-packet one-way delay: 135.534 ms

Loss rate: 0.00%

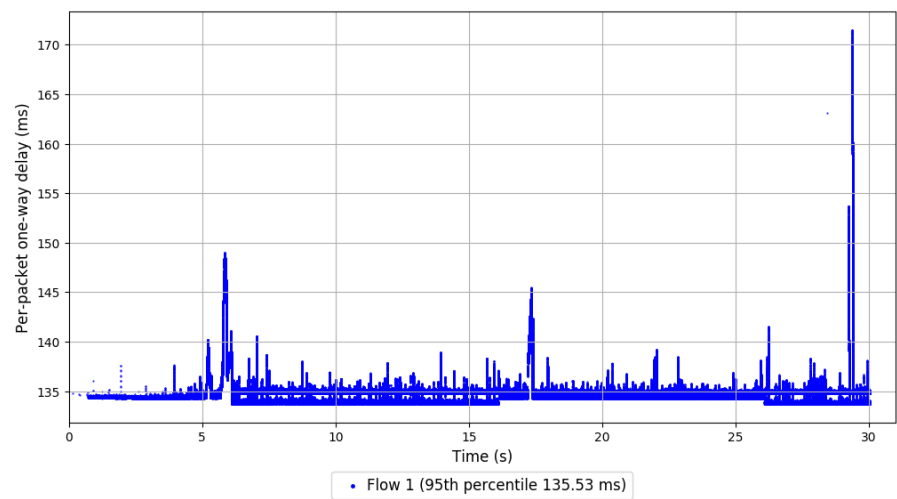
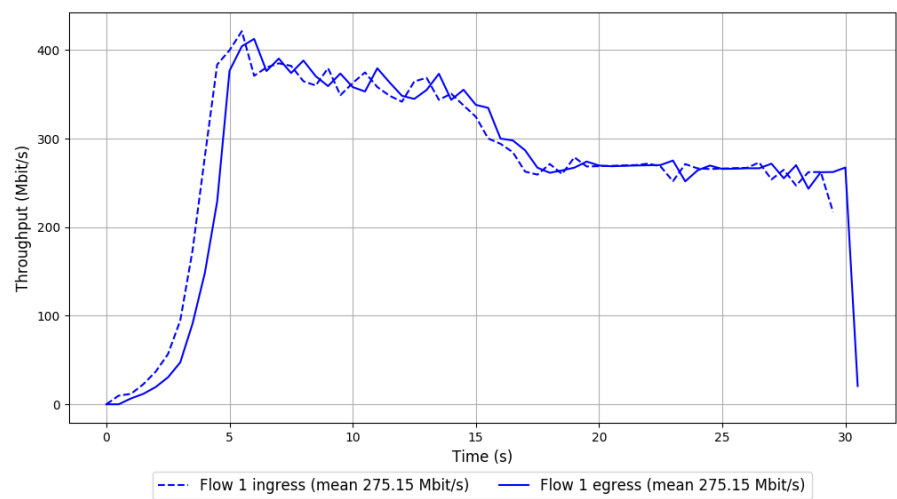
-- Flow 1:

Average throughput: 275.15 Mbit/s

95th percentile per-packet one-way delay: 135.534 ms

Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link

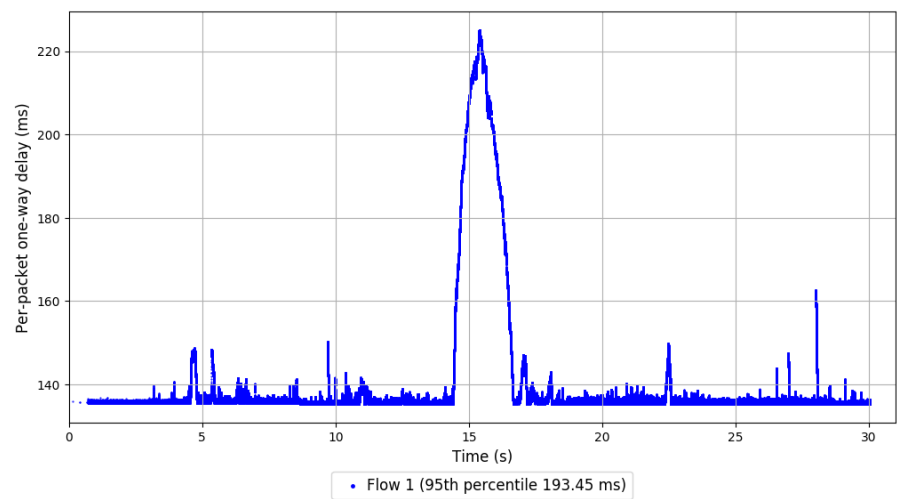
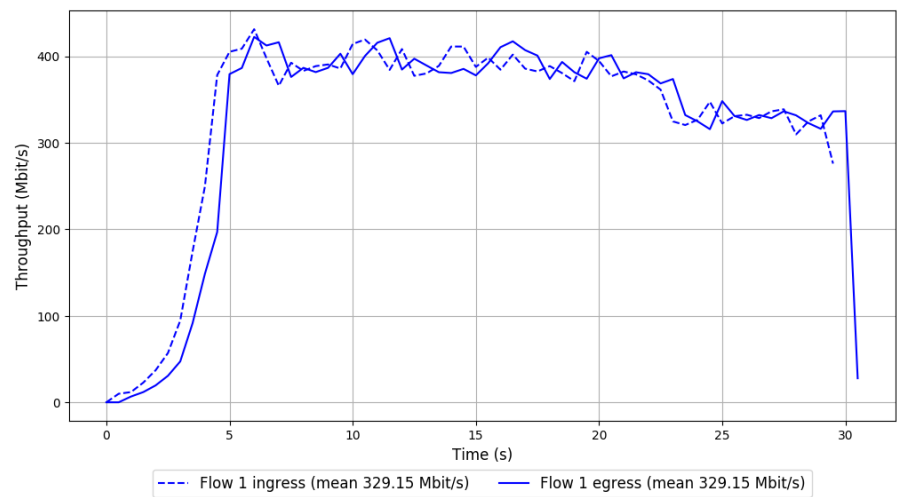


Run 6: Statistics of PCC-Expr

Start at: 2018-05-31 07:57:40
End at: 2018-05-31 07:58:11
Local clock offset: -0.086 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-05-31 10:33:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 329.15 Mbit/s
95th percentile per-packet one-way delay: 193.447 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 329.15 Mbit/s
95th percentile per-packet one-way delay: 193.447 ms
Loss rate: 0.00%

Run 6: Report of PCC-Expr — Data Link

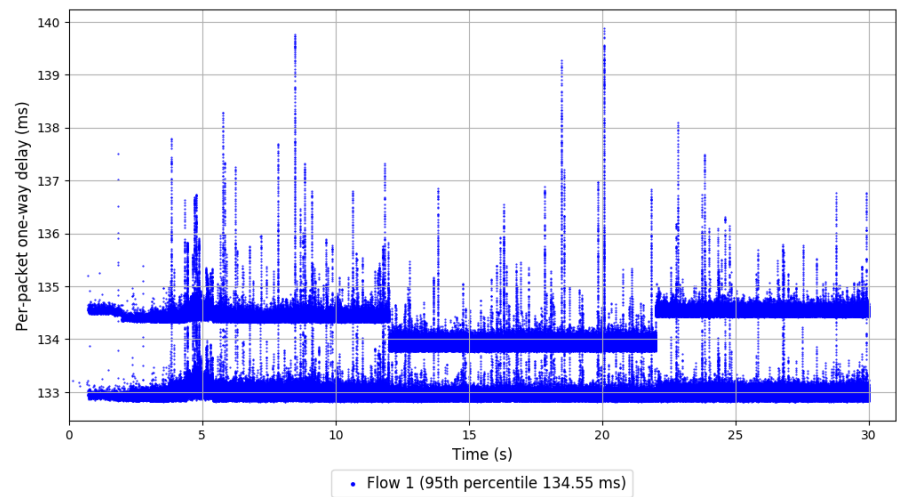
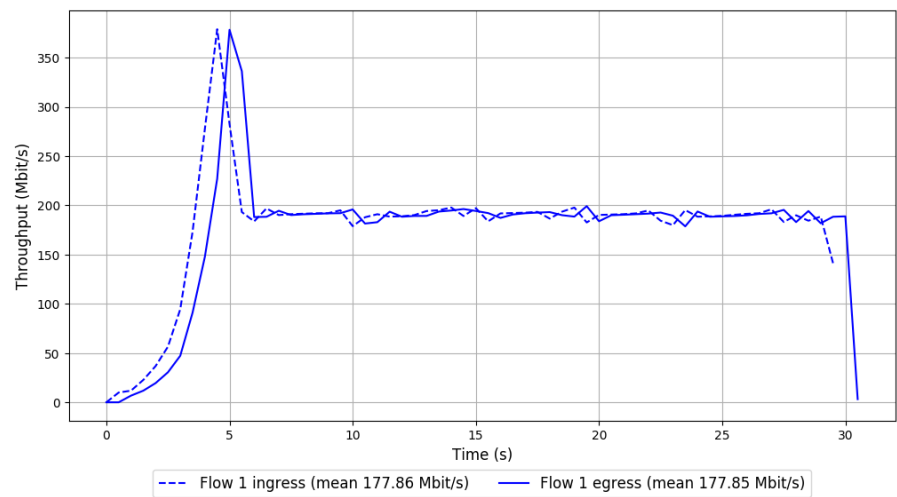


Run 7: Statistics of PCC-Expr

Start at: 2018-05-31 08:19:07
End at: 2018-05-31 08:19:37
Local clock offset: 1.742 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-05-31 10:33:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 177.85 Mbit/s
95th percentile per-packet one-way delay: 134.548 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 177.85 Mbit/s
95th percentile per-packet one-way delay: 134.548 ms
Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link

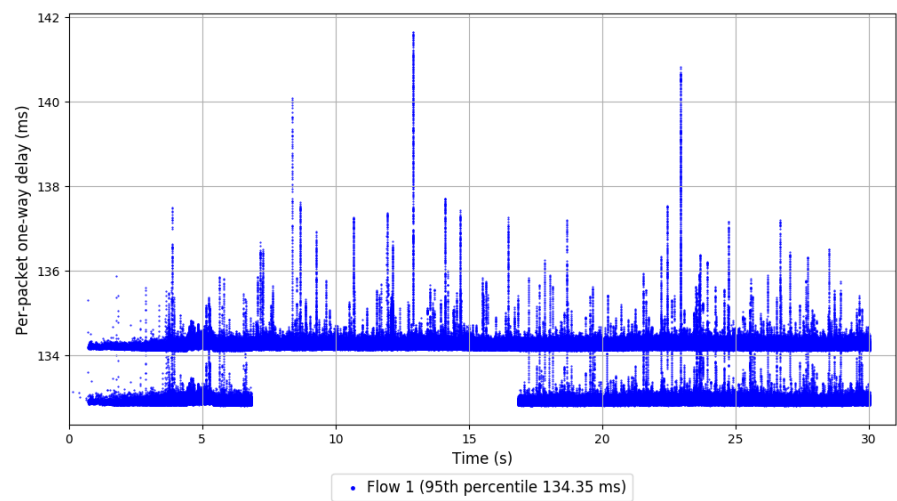
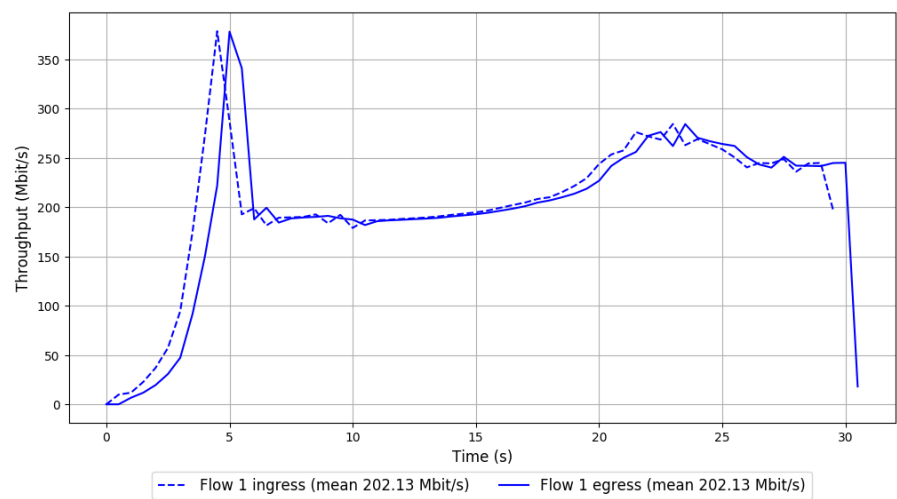


Run 8: Statistics of PCC-Expr

Start at: 2018-05-31 08:40:02
End at: 2018-05-31 08:40:32
Local clock offset: 1.438 ms
Remote clock offset: -0.146 ms

Below is generated by plot.py at 2018-05-31 10:33:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 202.13 Mbit/s
95th percentile per-packet one-way delay: 134.352 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 202.13 Mbit/s
95th percentile per-packet one-way delay: 134.352 ms
Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-05-31 09:01:18

End at: 2018-05-31 09:01:48

Local clock offset: -0.251 ms

Remote clock offset: -0.16 ms

Below is generated by plot.py at 2018-05-31 10:36:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 333.42 Mbit/s

95th percentile per-packet one-way delay: 173.622 ms

Loss rate: 0.21%

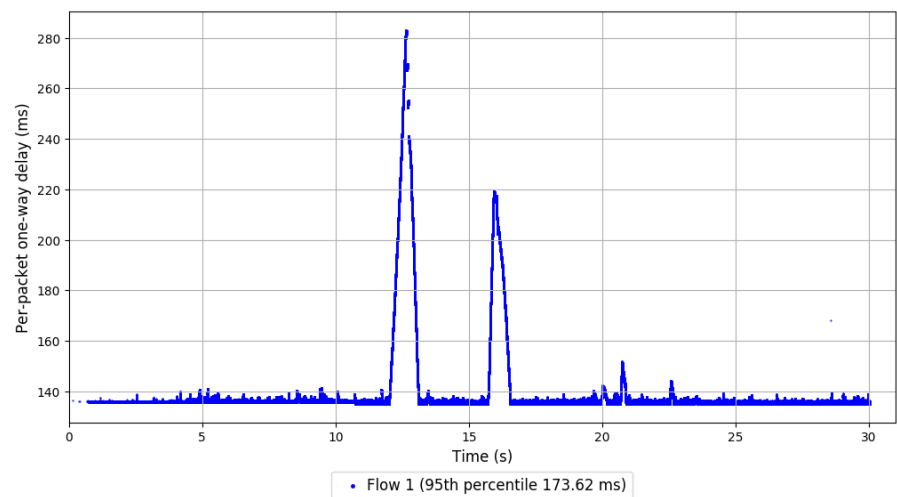
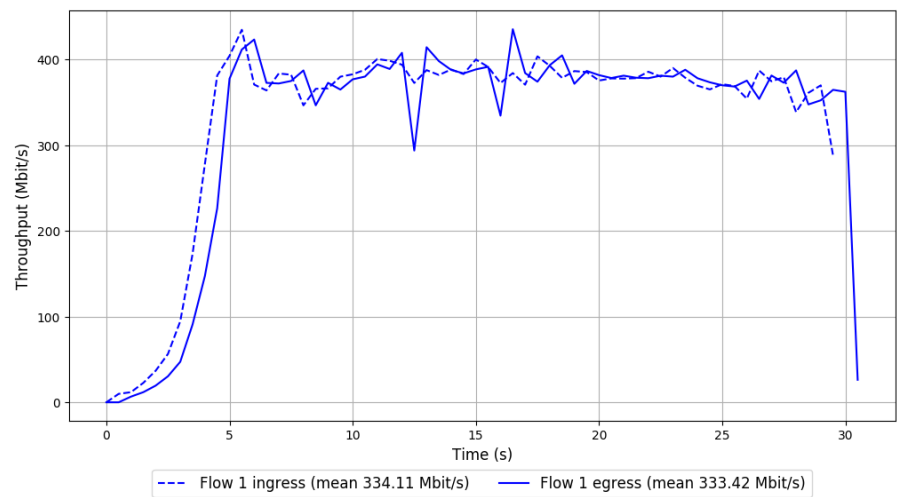
-- Flow 1:

Average throughput: 333.42 Mbit/s

95th percentile per-packet one-way delay: 173.622 ms

Loss rate: 0.21%

Run 9: Report of PCC-Expr — Data Link

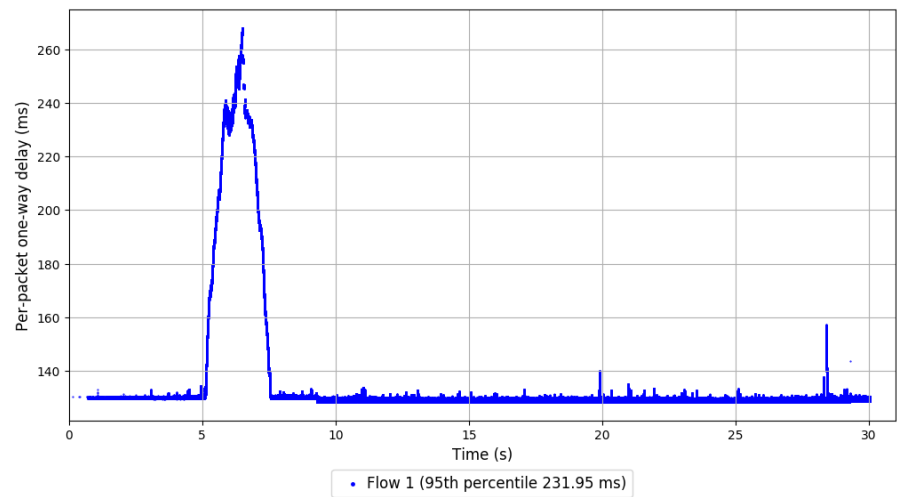
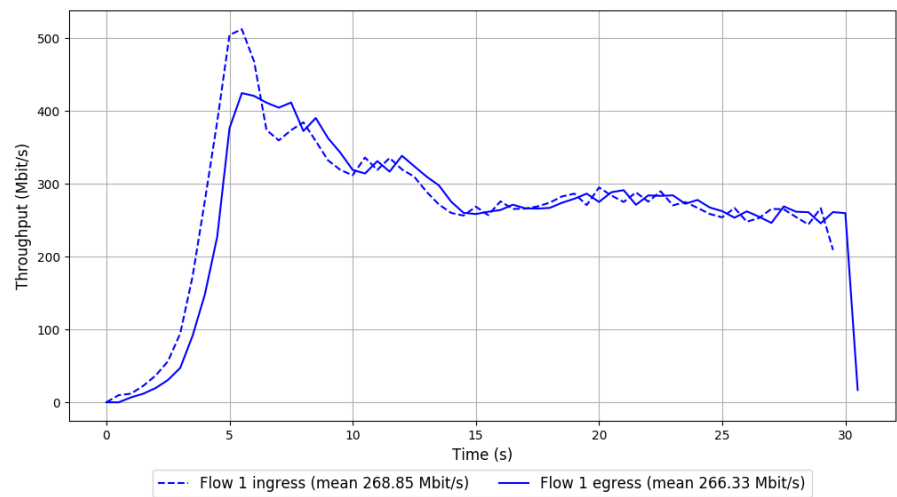


Run 10: Statistics of PCC-Expr

Start at: 2018-05-31 09:22:50
End at: 2018-05-31 09:23:20
Local clock offset: 5.982 ms
Remote clock offset: -0.184 ms

Below is generated by plot.py at 2018-05-31 10:36:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 266.33 Mbit/s
95th percentile per-packet one-way delay: 231.949 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 266.33 Mbit/s
95th percentile per-packet one-way delay: 231.949 ms
Loss rate: 0.94%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

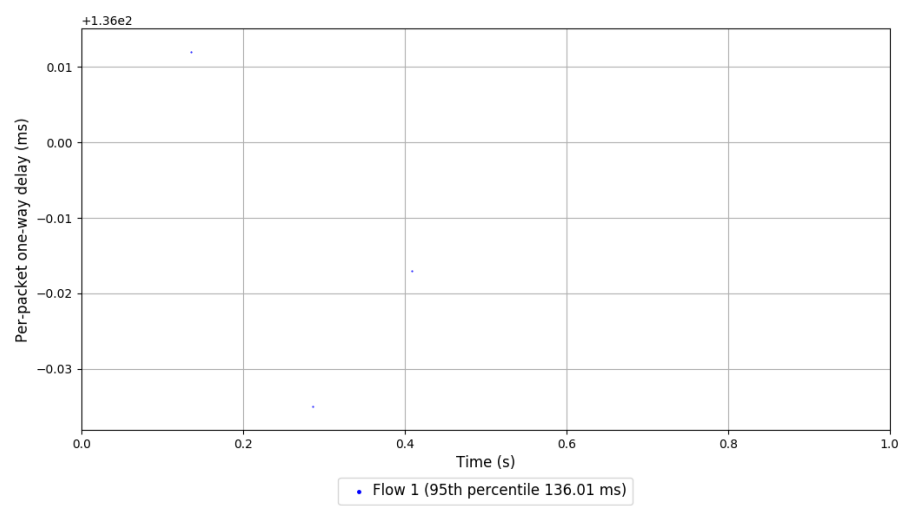
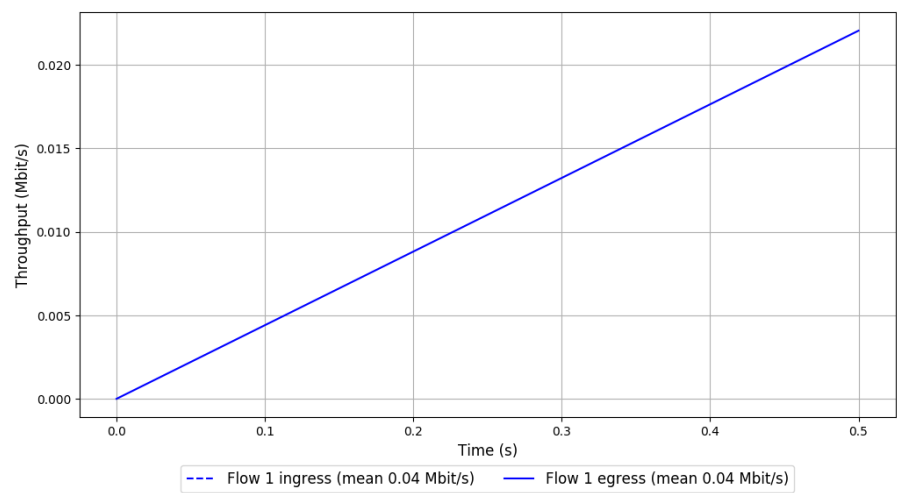
Start at: 2018-05-31 06:00:59

End at: 2018-05-31 06:01:29

Local clock offset: -0.146 ms

Remote clock offset: 0.061 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-05-31 06:22:14

End at: 2018-05-31 06:22:44

Local clock offset: -0.118 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2018-05-31 10:36:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.85 Mbit/s

95th percentile per-packet one-way delay: 136.441 ms

Loss rate: 0.00%

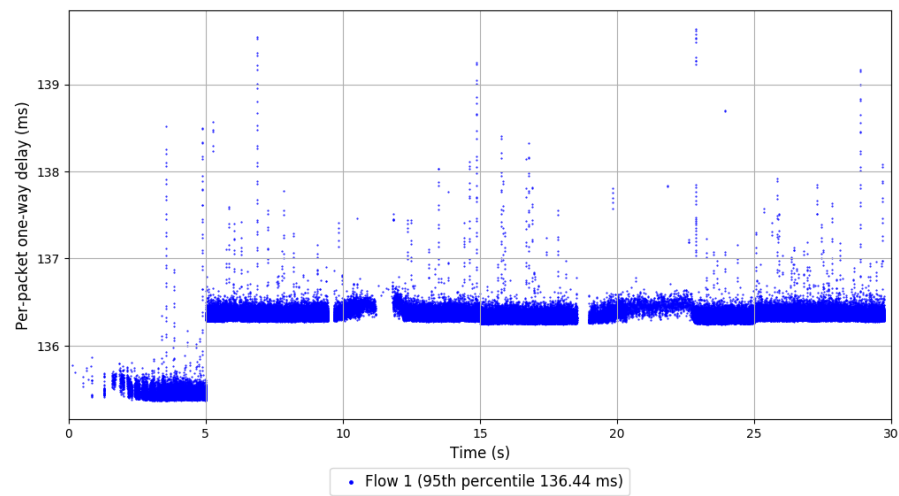
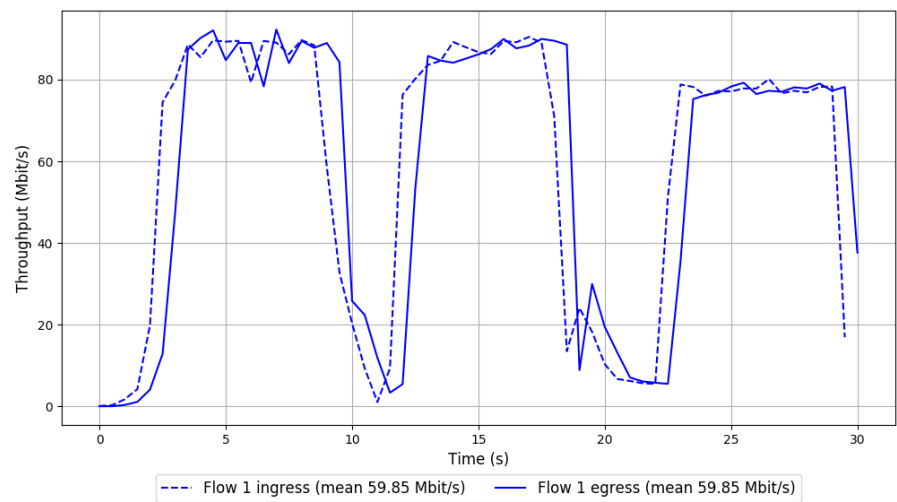
-- Flow 1:

Average throughput: 59.85 Mbit/s

95th percentile per-packet one-way delay: 136.441 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-05-31 06:43:31

End at: 2018-05-31 06:44:01

Local clock offset: 6.045 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-05-31 10:36:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.75 Mbit/s

95th percentile per-packet one-way delay: 129.749 ms

Loss rate: 0.00%

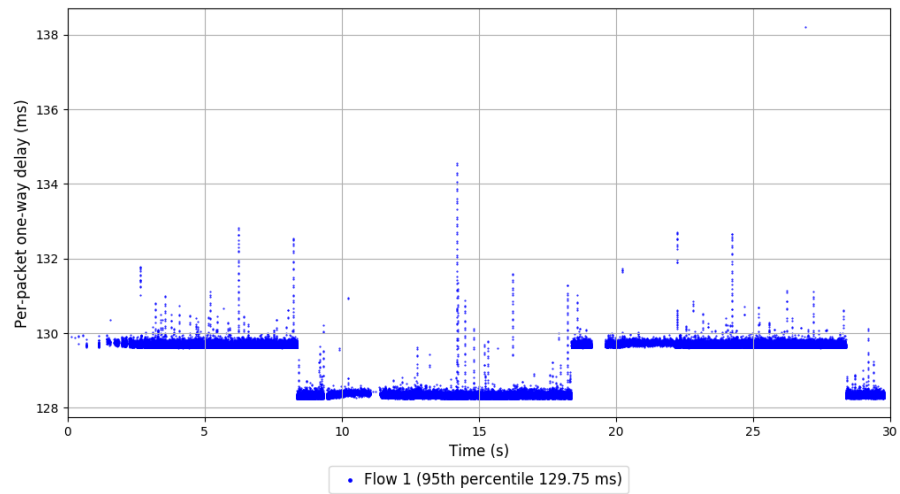
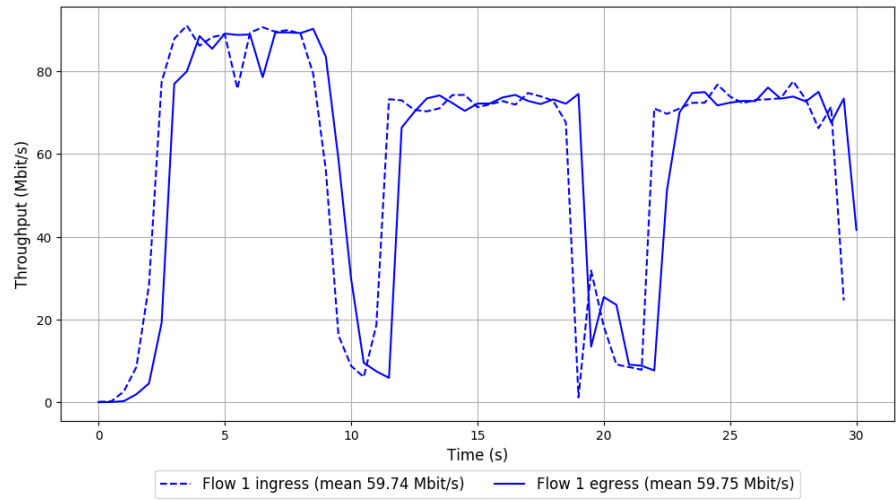
-- Flow 1:

Average throughput: 59.75 Mbit/s

95th percentile per-packet one-way delay: 129.749 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-05-31 07:04:54

End at: 2018-05-31 07:05:24

Local clock offset: 1.525 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-05-31 10:36:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.63 Mbit/s

95th percentile per-packet one-way delay: 135.228 ms

Loss rate: 0.00%

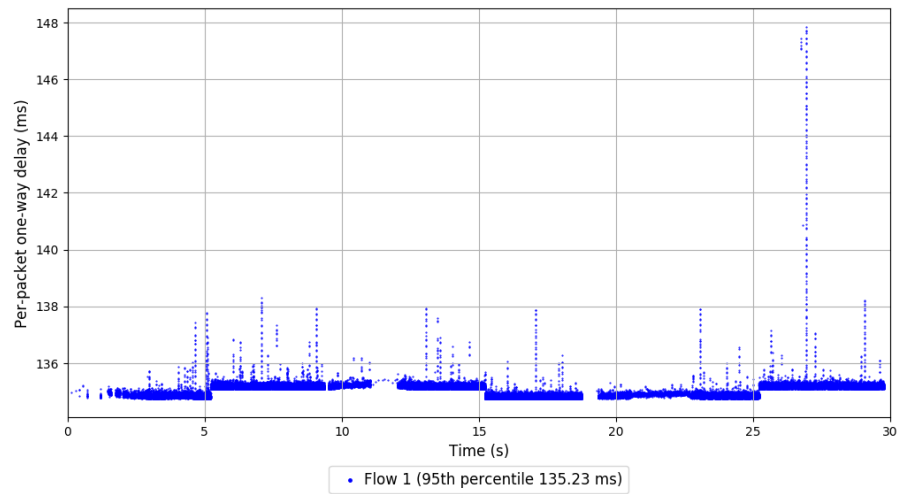
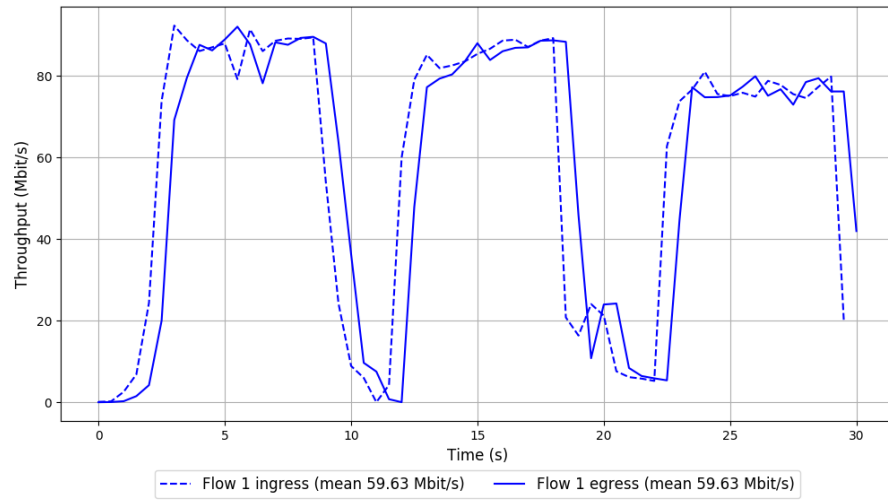
-- Flow 1:

Average throughput: 59.63 Mbit/s

95th percentile per-packet one-way delay: 135.228 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-05-31 07:26:33

End at: 2018-05-31 07:27:03

Local clock offset: -0.045 ms

Remote clock offset: -0.388 ms

Below is generated by plot.py at 2018-05-31 10:36:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.89 Mbit/s

95th percentile per-packet one-way delay: 135.956 ms

Loss rate: 0.00%

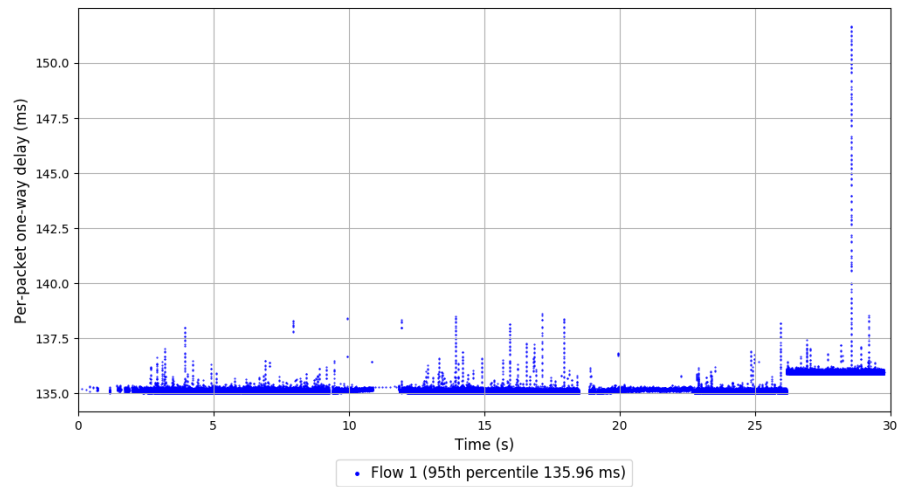
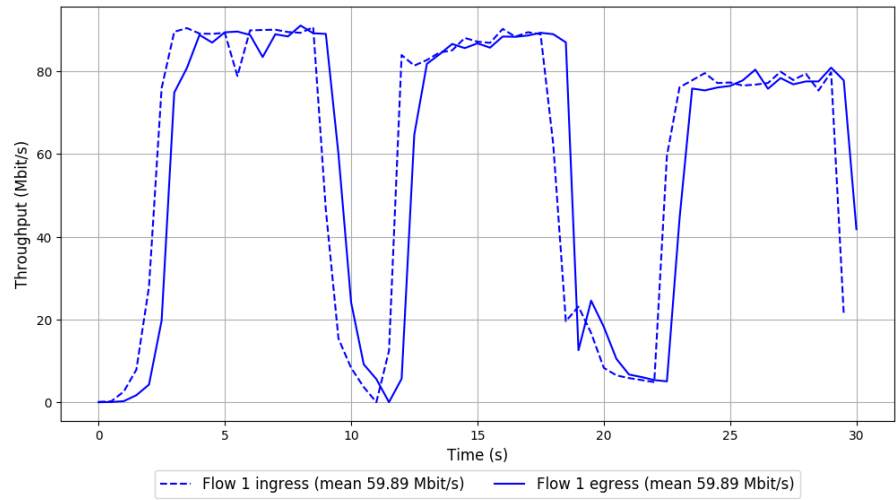
-- Flow 1:

Average throughput: 59.89 Mbit/s

95th percentile per-packet one-way delay: 135.956 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

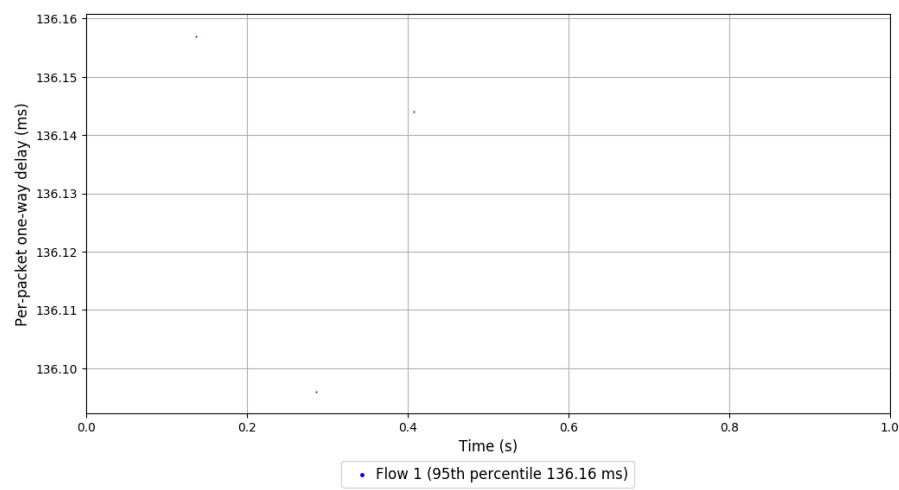
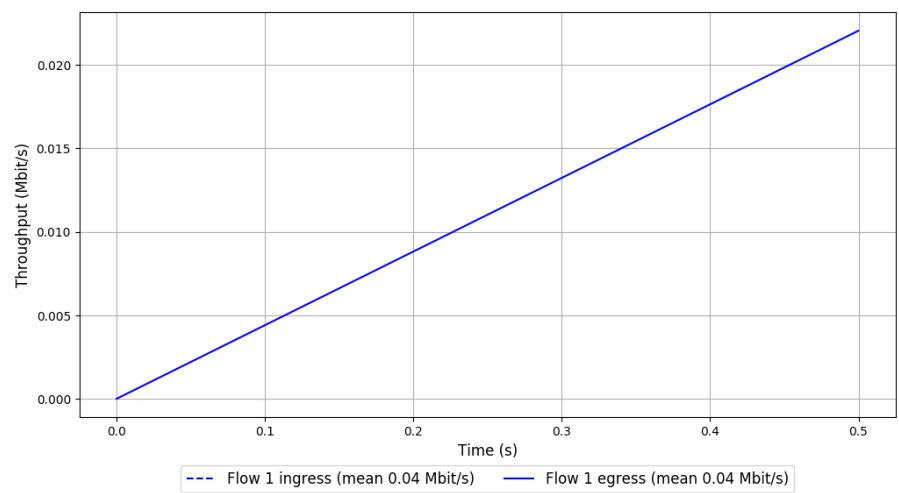
Start at: 2018-05-31 07:48:07

End at: 2018-05-31 07:48:37

Local clock offset: -0.693 ms

Remote clock offset: -0.055 ms

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

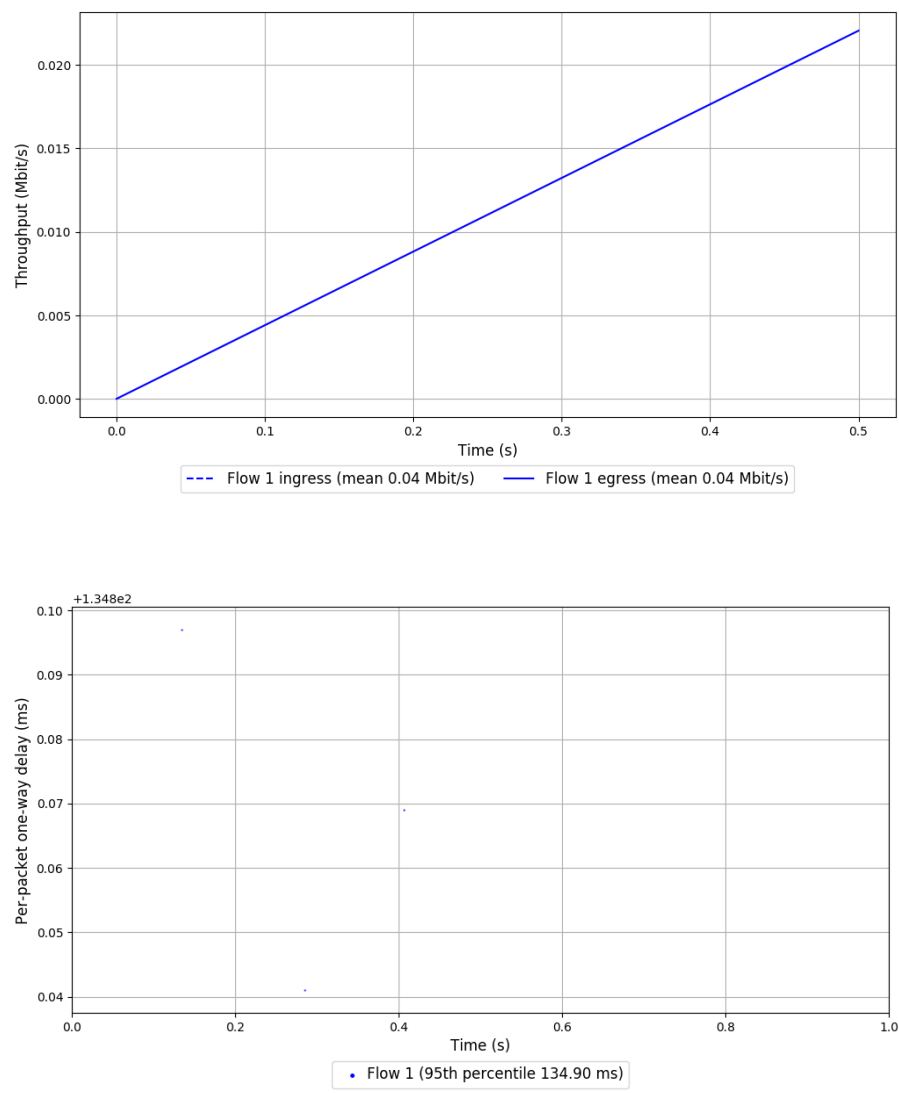
Start at: 2018-05-31 08:09:46

End at: 2018-05-31 08:10:16

Local clock offset: 1.38 ms

Remote clock offset: 0.329 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

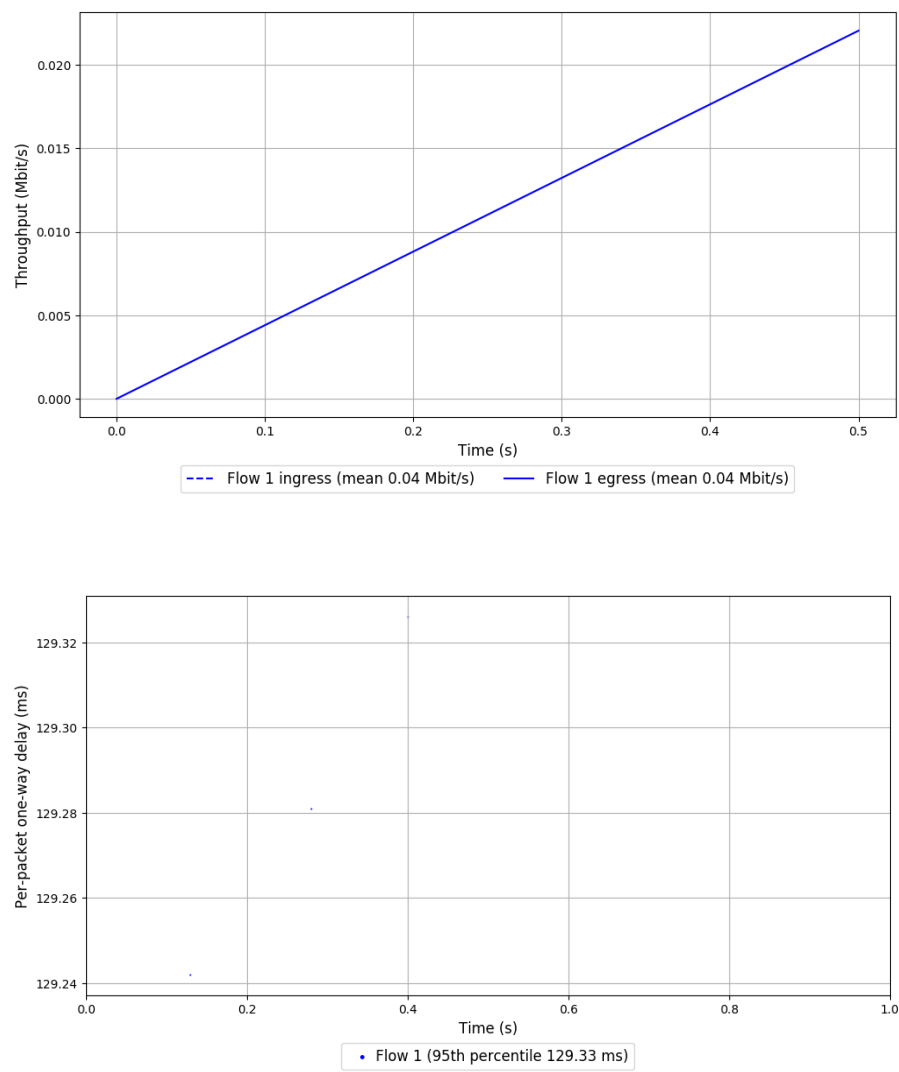
Start at: 2018-05-31 08:30:57

End at: 2018-05-31 08:31:27

Local clock offset: 5.918 ms

Remote clock offset: 0.284 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

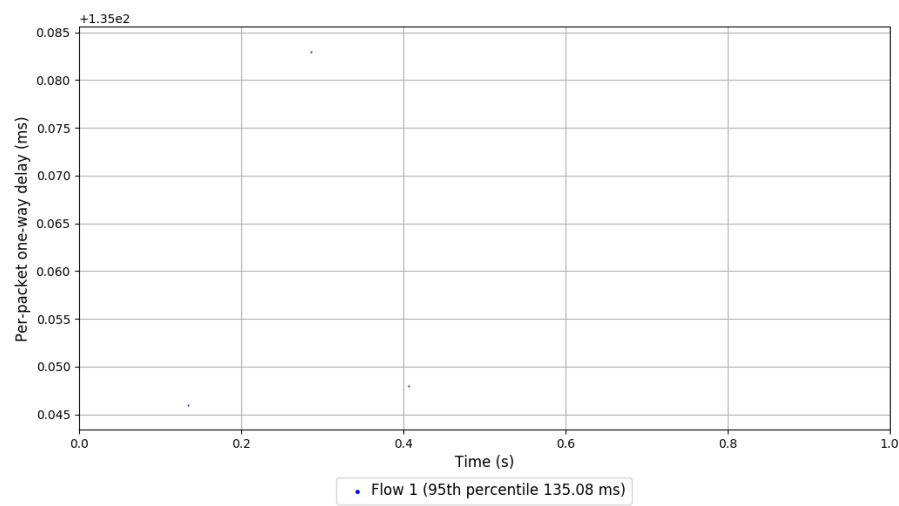
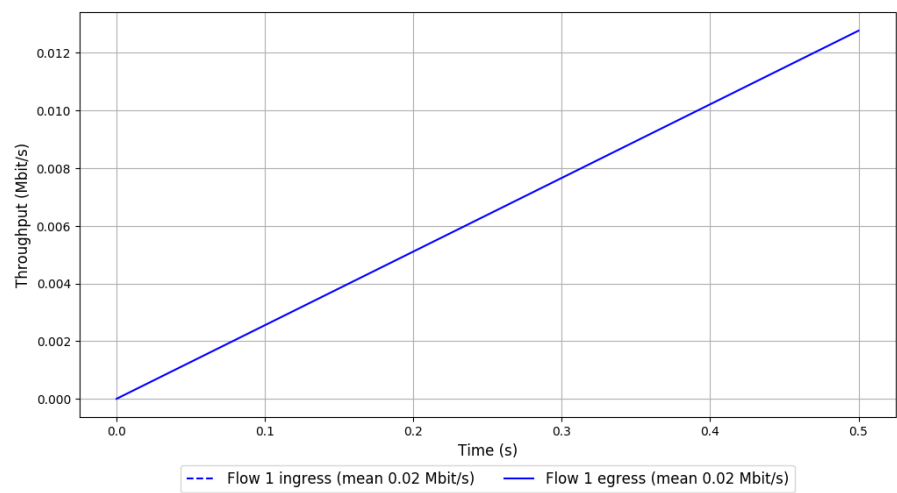
Start at: 2018-05-31 08:51:54

End at: 2018-05-31 08:52:24

Local clock offset: -0.196 ms

Remote clock offset: -0.123 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

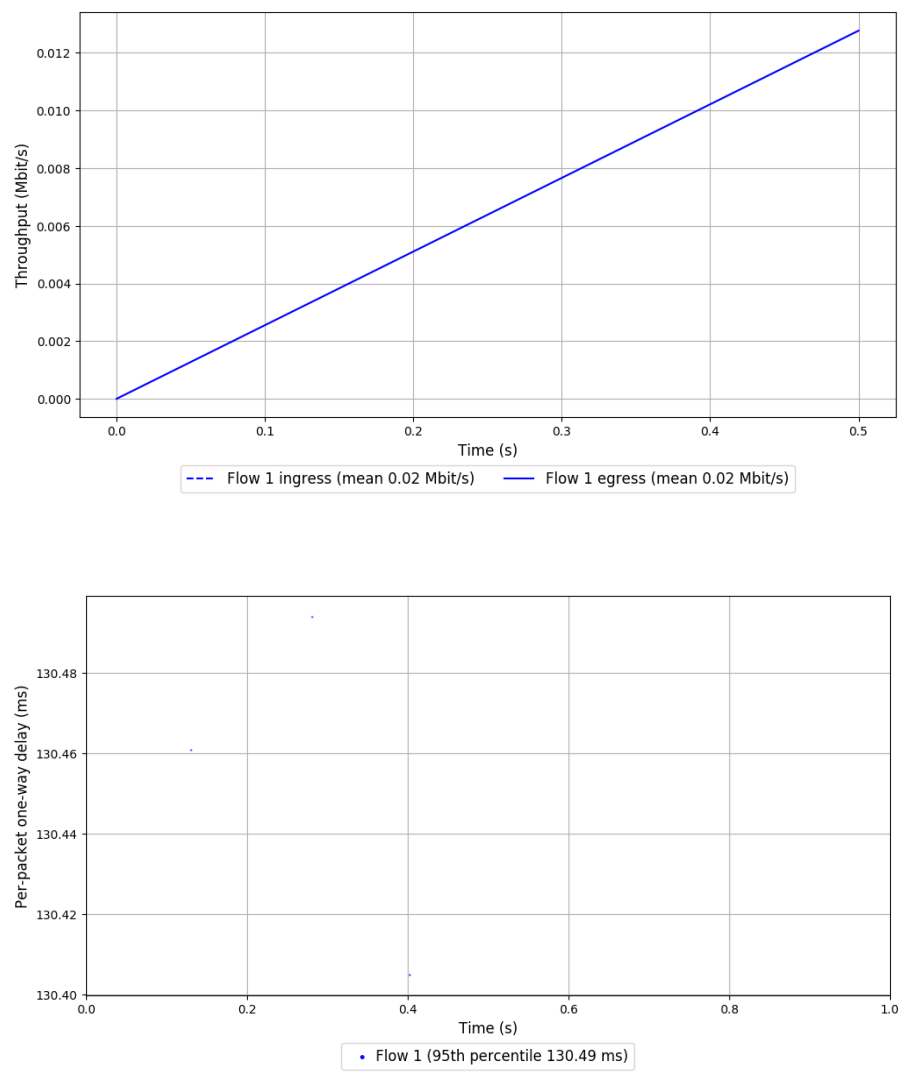
Start at: 2018-05-31 09:13:25

End at: 2018-05-31 09:13:55

Local clock offset: 5.93 ms

Remote clock offset: -0.187 ms

Run 10: Report of QUIC Cubic — Data Link

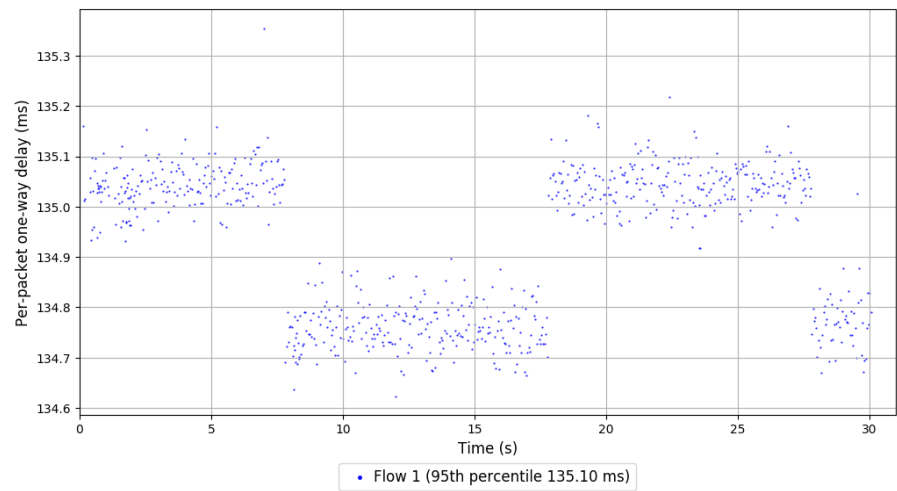
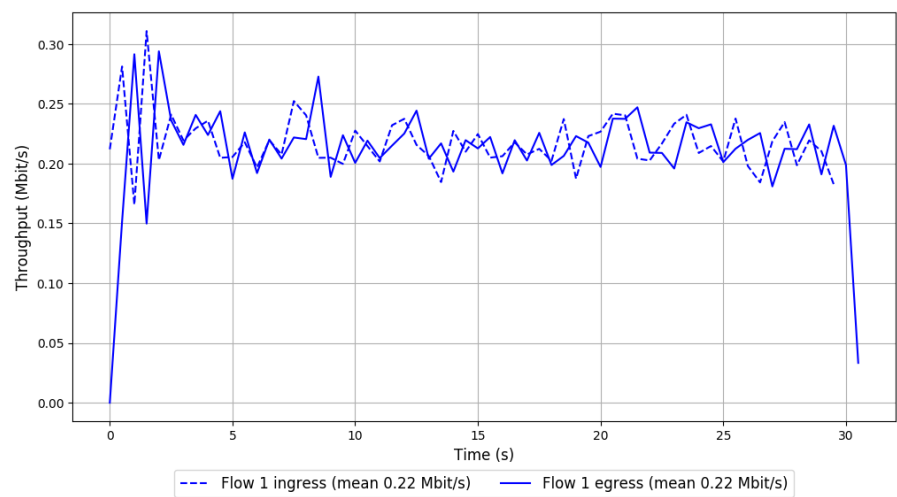


Run 1: Statistics of SCReAM

Start at: 2018-05-31 05:54:21
End at: 2018-05-31 05:54:51
Local clock offset: -0.305 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-05-31 10:36:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.099 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.099 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-05-31 06:15:35

End at: 2018-05-31 06:16:05

Local clock offset: -0.157 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-05-31 10:36:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.053 ms

Loss rate: 0.00%

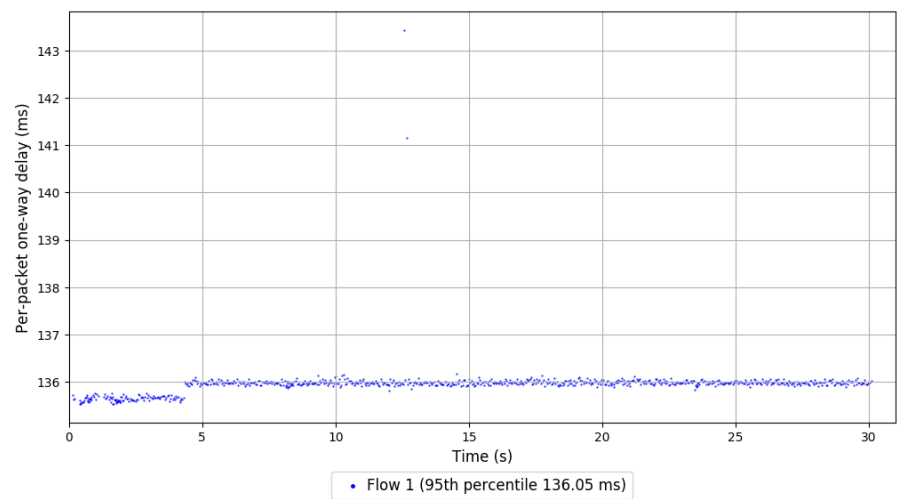
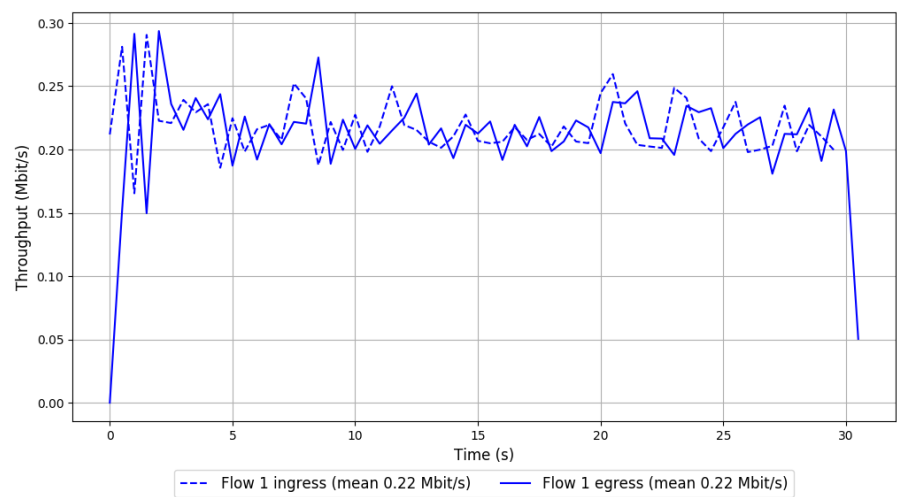
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.053 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-05-31 06:36:54

End at: 2018-05-31 06:37:24

Local clock offset: 6.314 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-05-31 10:36:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 129.622 ms

Loss rate: 0.00%

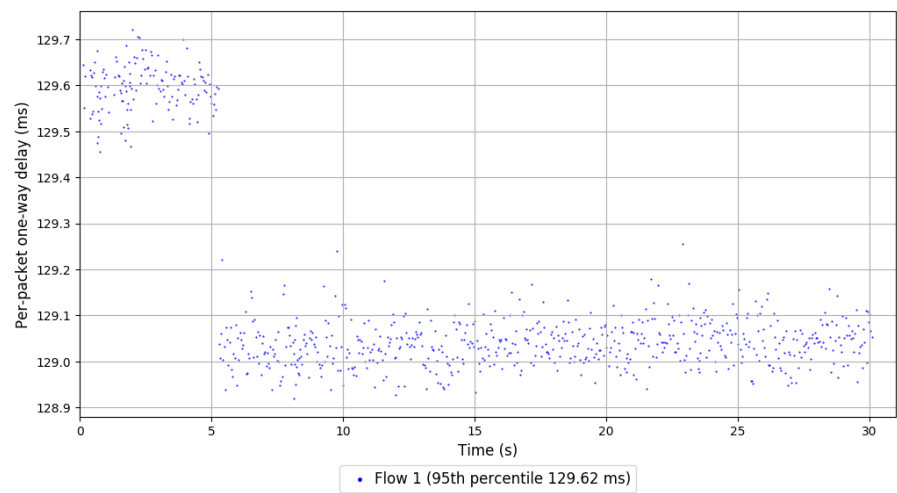
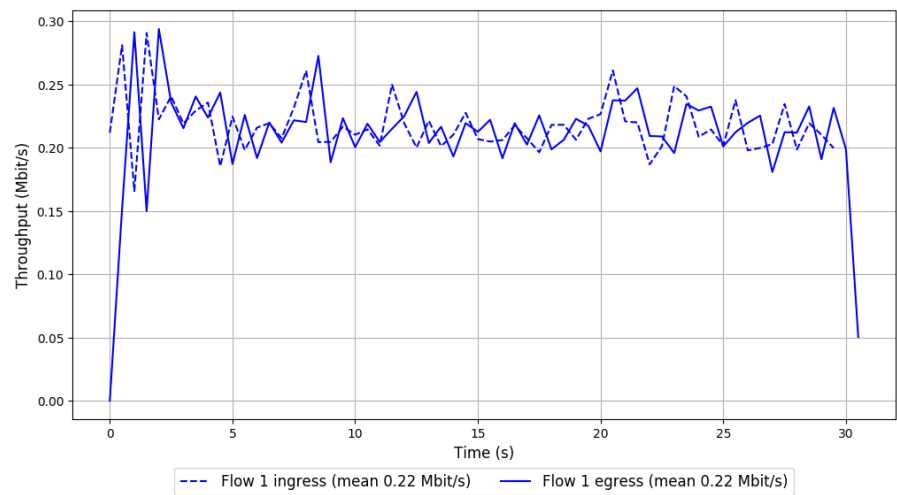
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 129.622 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-05-31 06:58:21

End at: 2018-05-31 06:58:51

Local clock offset: -0.159 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-05-31 10:36:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.168 ms

Loss rate: 0.00%

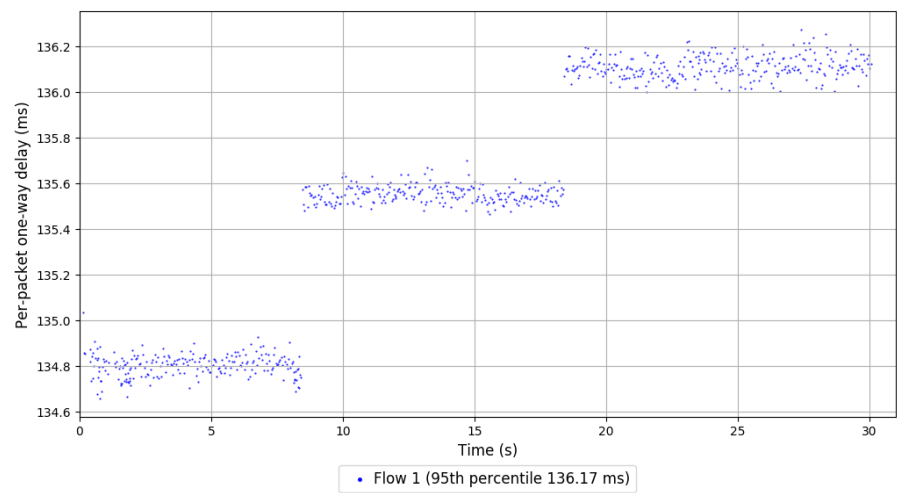
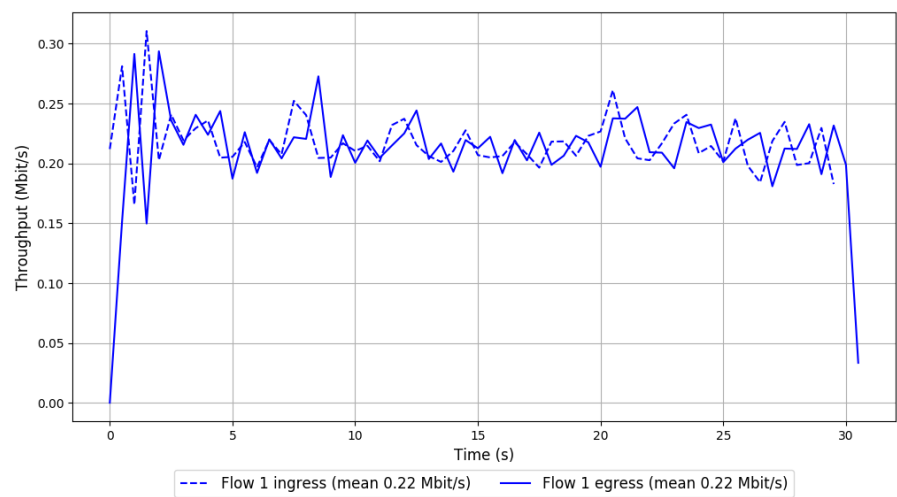
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.168 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

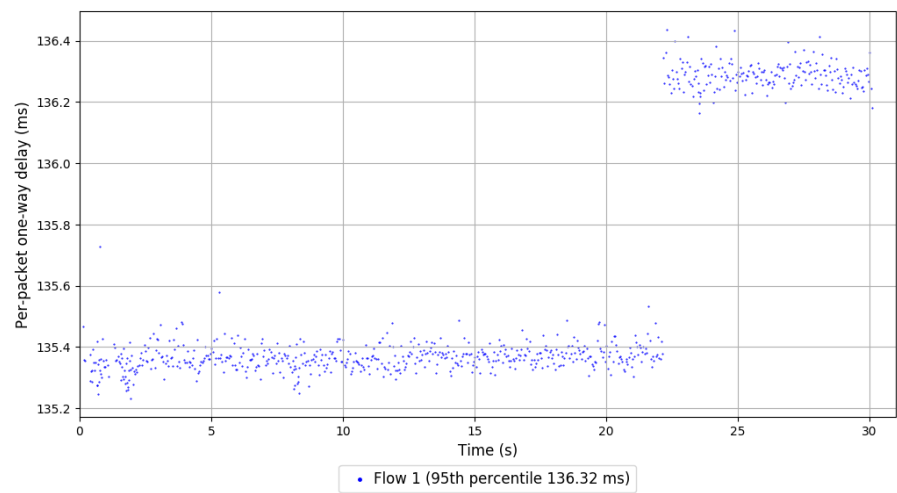
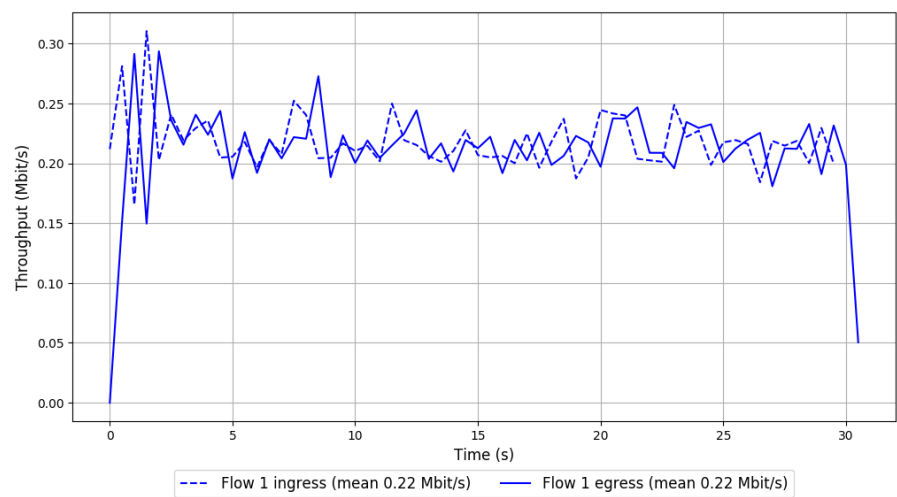


Run 5: Statistics of SCReAM

Start at: 2018-05-31 07:19:57
End at: 2018-05-31 07:20:27
Local clock offset: -0.068 ms
Remote clock offset: -0.369 ms

Below is generated by plot.py at 2018-05-31 10:36:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.316 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.316 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

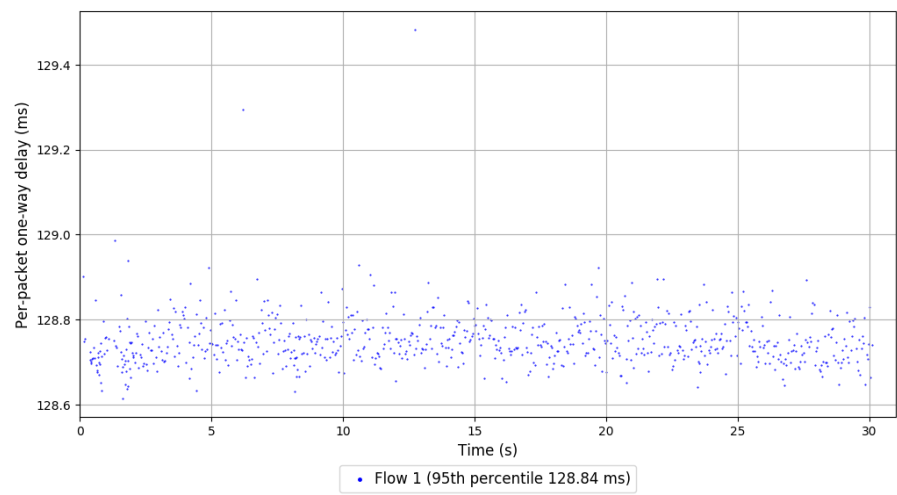
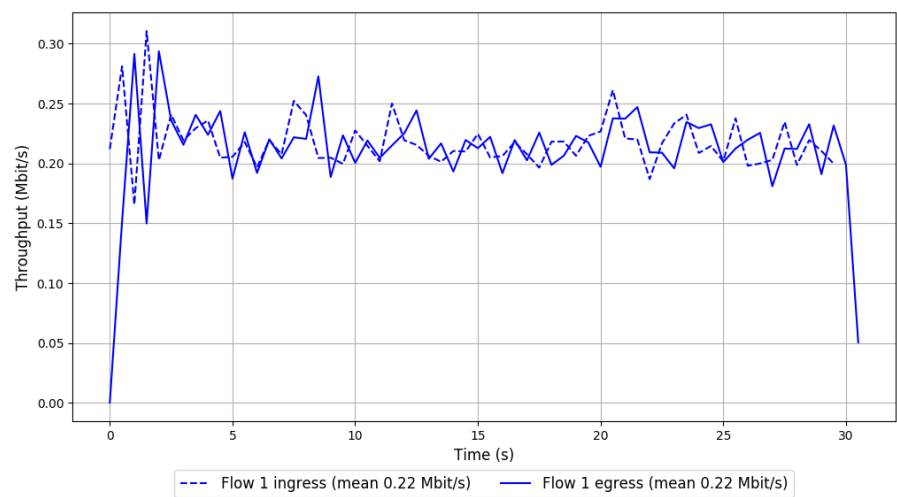


Run 6: Statistics of SCReAM

Start at: 2018-05-31 07:41:31
End at: 2018-05-31 07:42:01
Local clock offset: 6.127 ms
Remote clock offset: -0.435 ms

Below is generated by plot.py at 2018-05-31 10:36:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 128.843 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 128.843 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

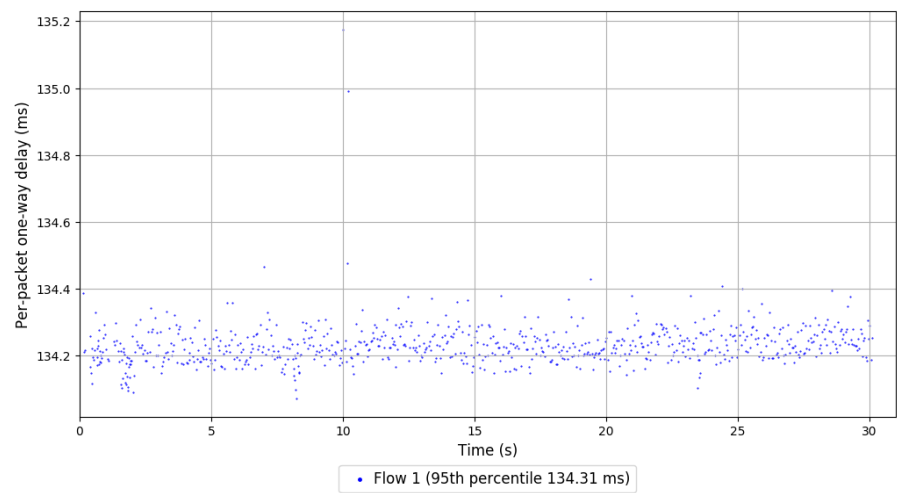
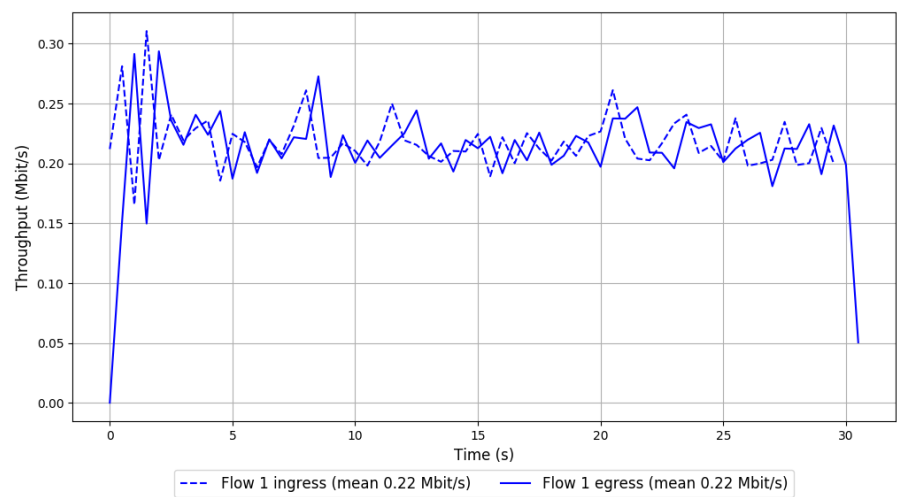


Run 7: Statistics of SCReAM

Start at: 2018-05-31 08:03:08
End at: 2018-05-31 08:03:38
Local clock offset: 1.573 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-05-31 10:36:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 134.314 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 134.314 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

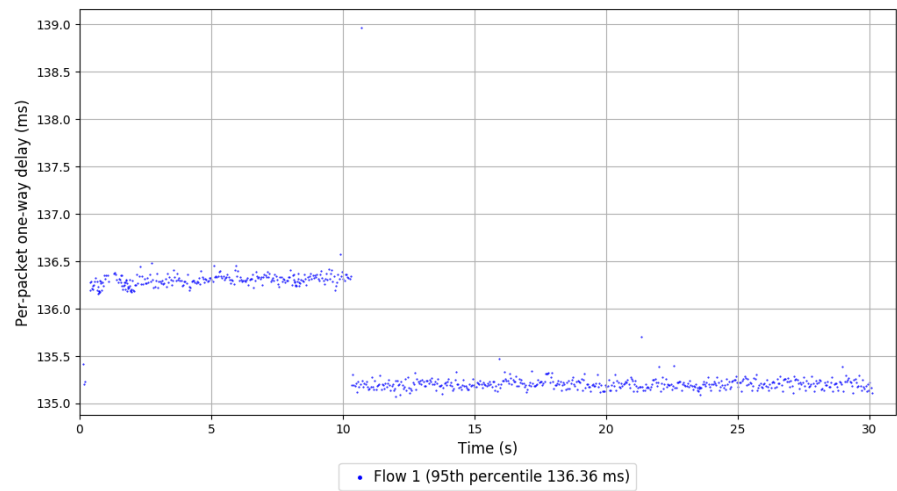
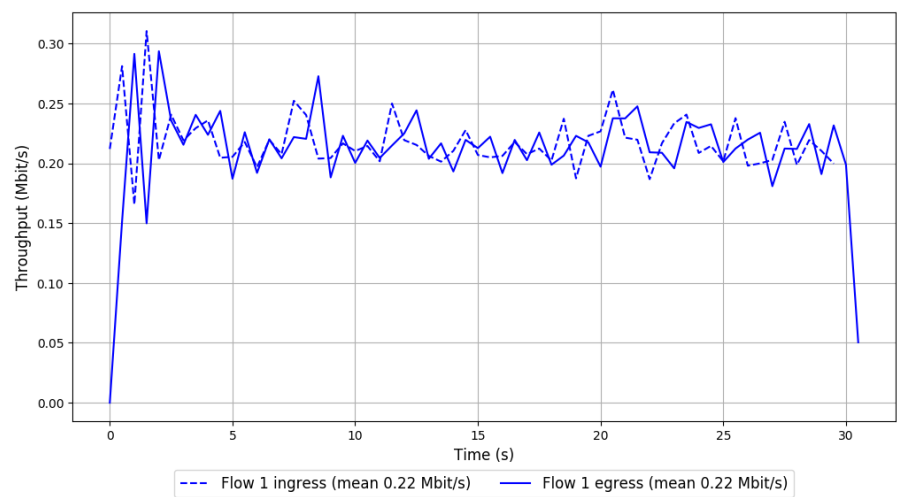


Run 8: Statistics of SCReAM

Start at: 2018-05-31 08:24:19
End at: 2018-05-31 08:24:49
Local clock offset: -0.227 ms
Remote clock offset: -0.442 ms

Below is generated by plot.py at 2018-05-31 10:36:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.356 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.356 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

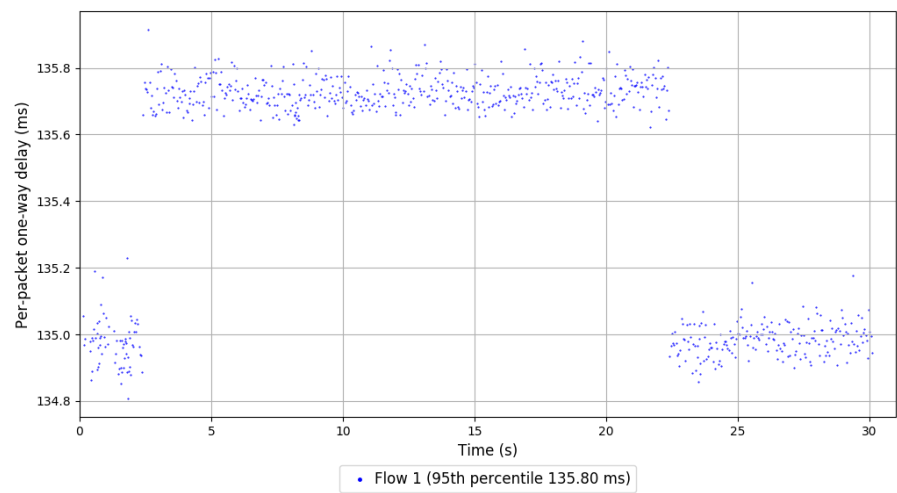
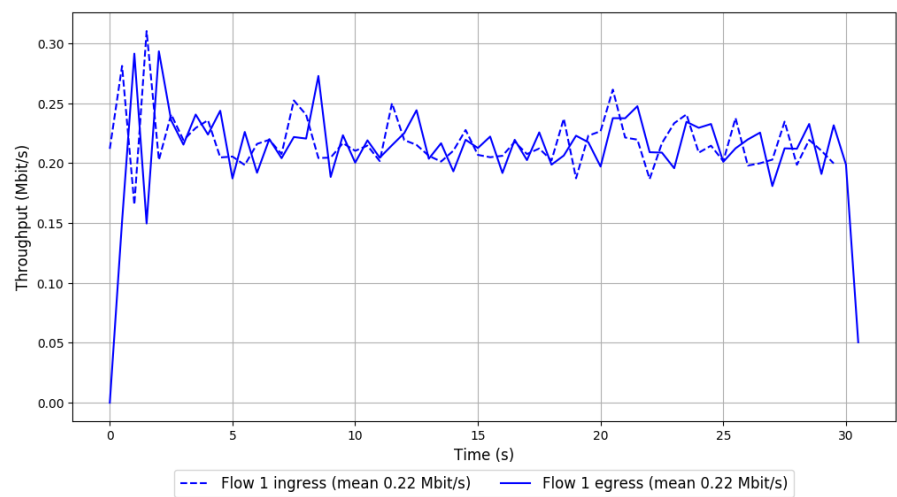


Run 9: Statistics of SCReAM

Start at: 2018-05-31 08:45:17
End at: 2018-05-31 08:45:47
Local clock offset: -0.075 ms
Remote clock offset: -0.125 ms

Below is generated by plot.py at 2018-05-31 10:36:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.802 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.802 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

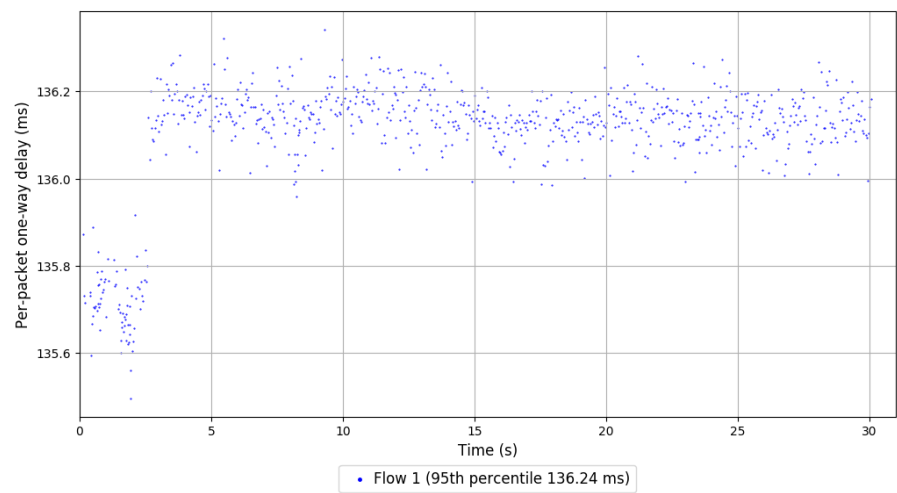
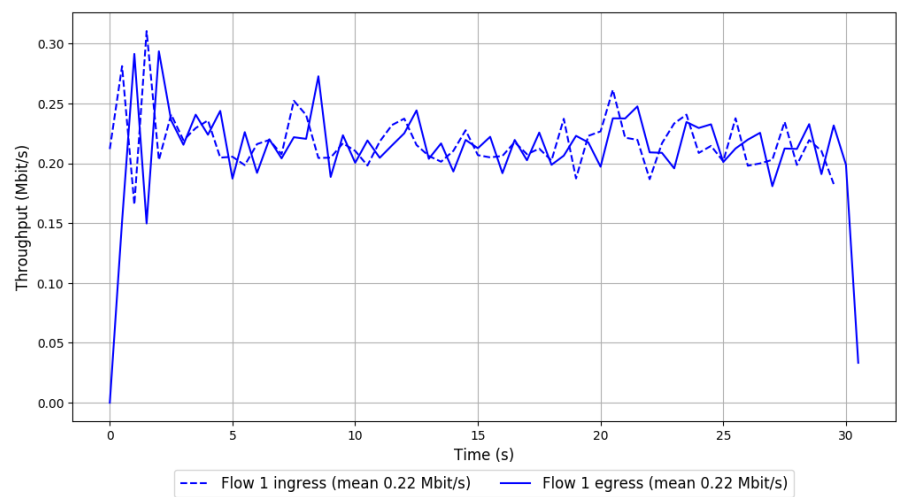


Run 10: Statistics of SReAM

Start at: 2018-05-31 09:06:47
End at: 2018-05-31 09:07:17
Local clock offset: -0.204 ms
Remote clock offset: -0.197 ms

Below is generated by plot.py at 2018-05-31 10:36:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.235 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.235 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-05-31 06:08:05

End at: 2018-05-31 06:08:35

Local clock offset: 1.307 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-05-31 10:36:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 134.976 ms

Loss rate: 0.00%

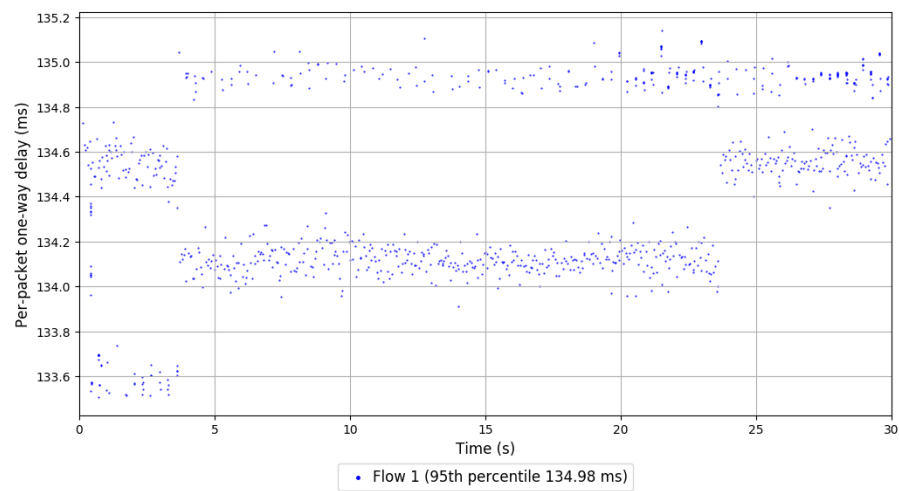
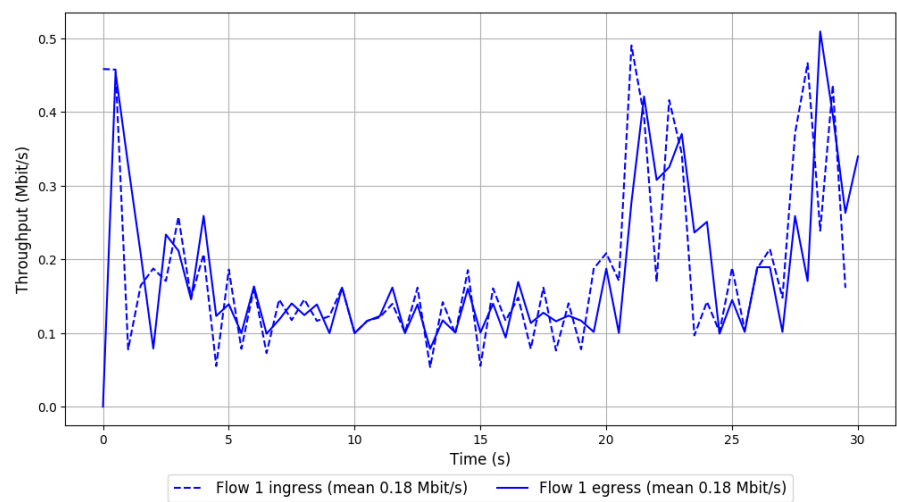
-- Flow 1:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 134.976 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

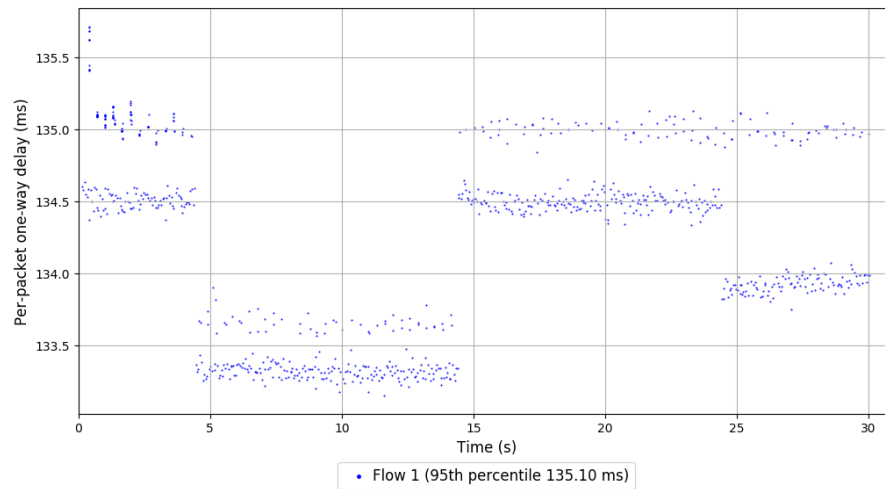
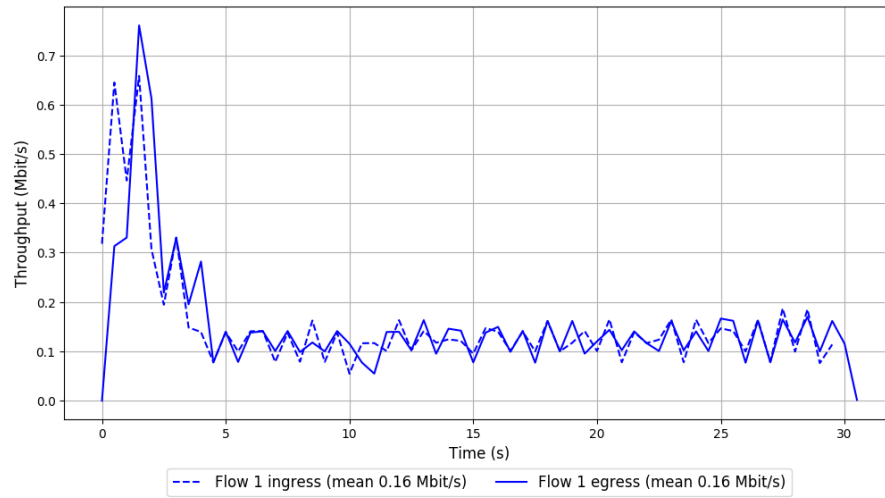


Run 2: Statistics of Sprout

Start at: 2018-05-31 06:29:05
End at: 2018-05-31 06:29:35
Local clock offset: 1.337 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-05-31 10:36:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 135.097 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 135.097 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-05-31 06:50:42

End at: 2018-05-31 06:51:12

Local clock offset: -0.077 ms

Remote clock offset: 0.043 ms

Below is generated by plot.py at 2018-05-31 10:36:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 136.017 ms

Loss rate: 0.00%

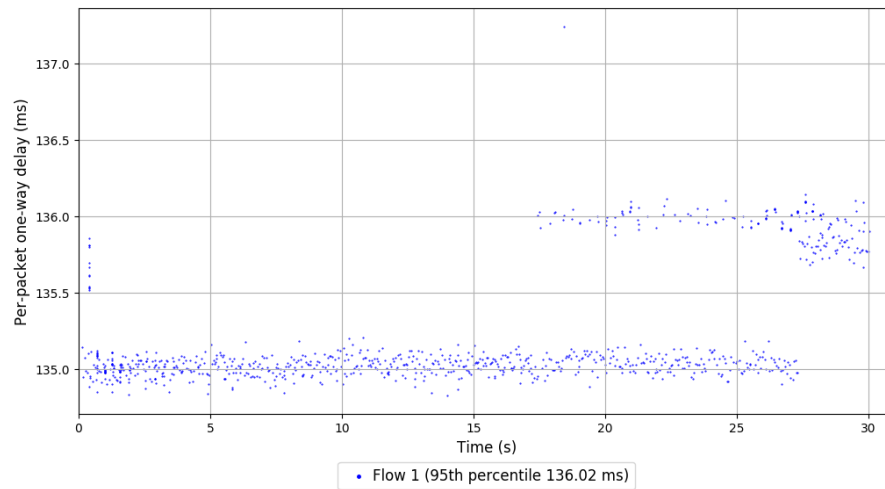
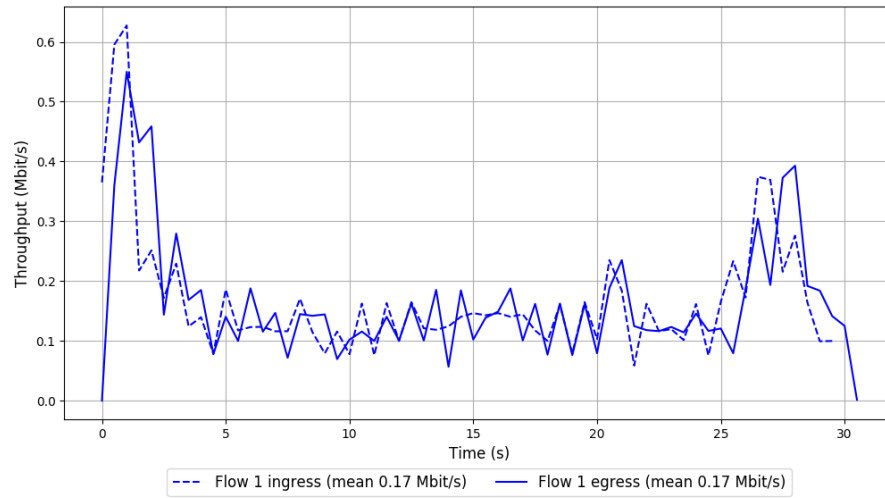
-- Flow 1:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 136.017 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

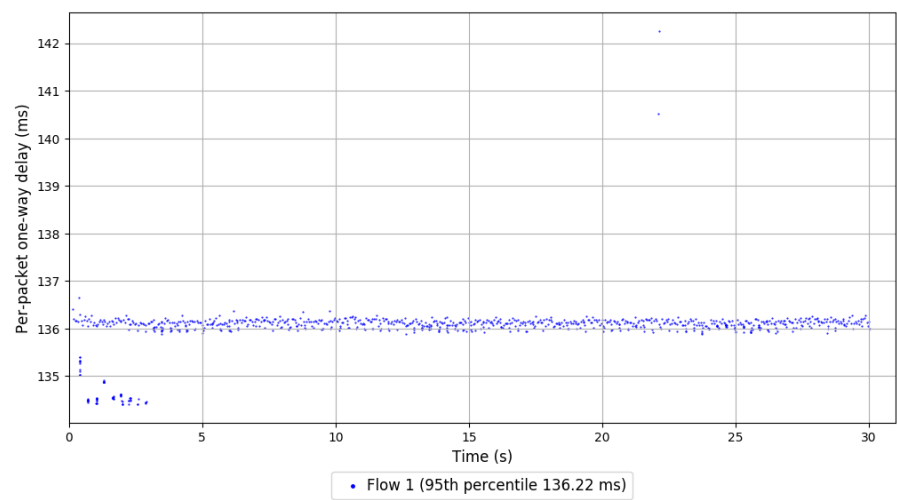
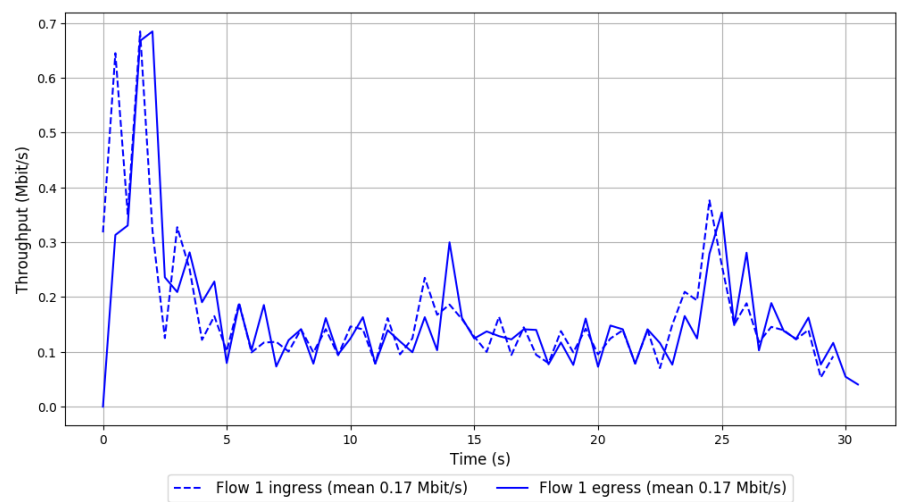


Run 4: Statistics of Sprout

Start at: 2018-05-31 07:12:06
End at: 2018-05-31 07:12:36
Local clock offset: 0.022 ms
Remote clock offset: -0.393 ms

Below is generated by plot.py at 2018-05-31 10:36:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.219 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.219 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

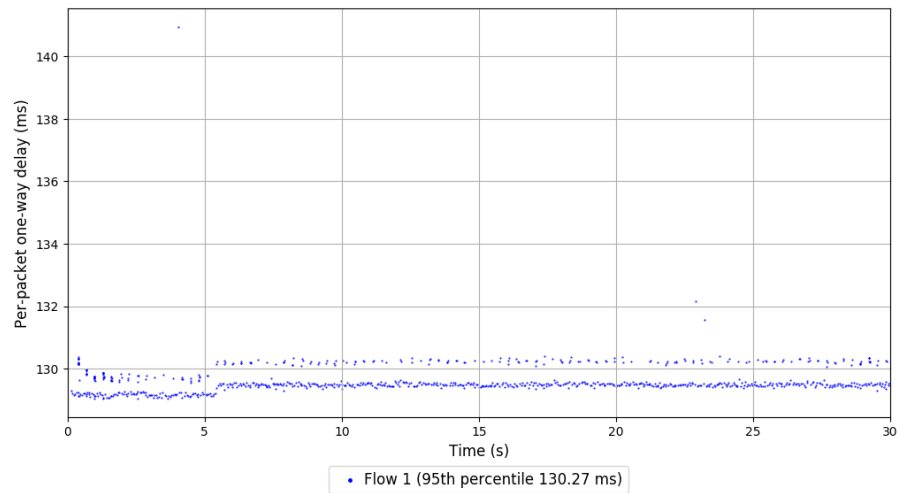
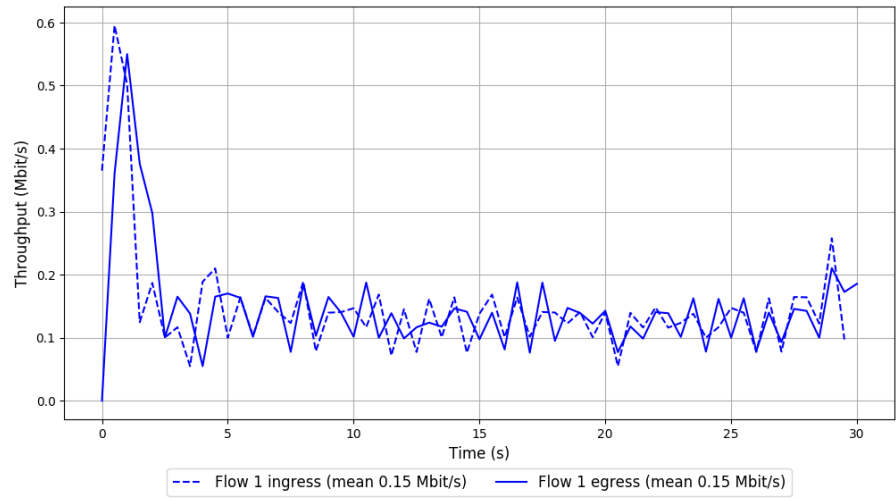


Run 5: Statistics of Sprout

Start at: 2018-05-31 07:33:54
End at: 2018-05-31 07:34:24
Local clock offset: 6.042 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-05-31 10:36:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 130.266 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 130.266 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

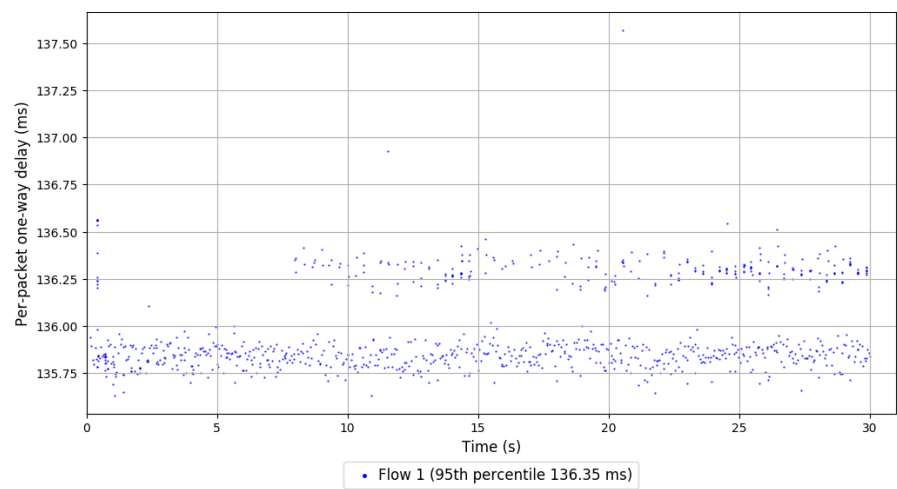
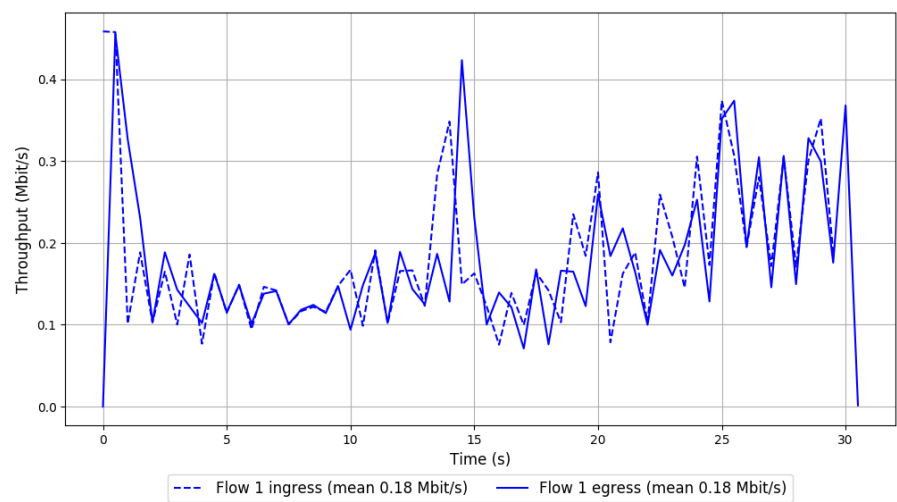


Run 6: Statistics of Sprout

Start at: 2018-05-31 07:55:21
End at: 2018-05-31 07:55:51
Local clock offset: -0.058 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-05-31 10:36:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.354 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.354 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

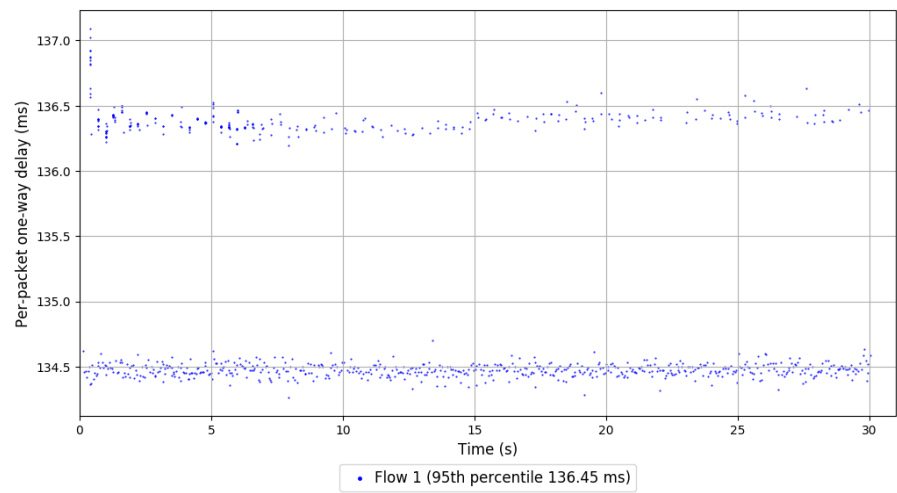
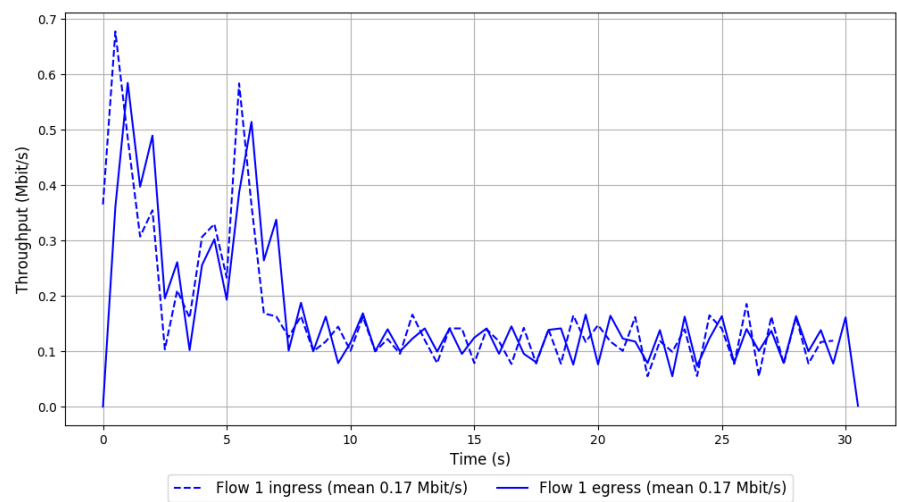


Run 7: Statistics of Sprout

Start at: 2018-05-31 08:16:44
End at: 2018-05-31 08:17:14
Local clock offset: 0.045 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-05-31 10:36:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.450 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.450 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

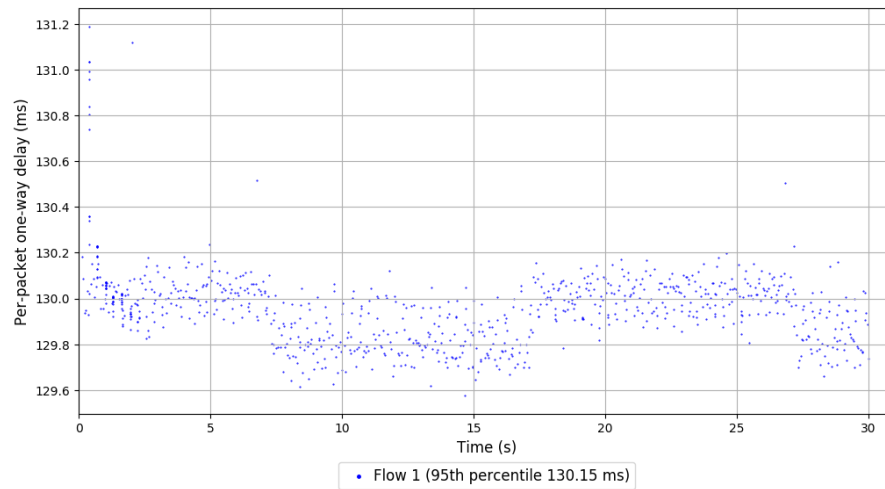
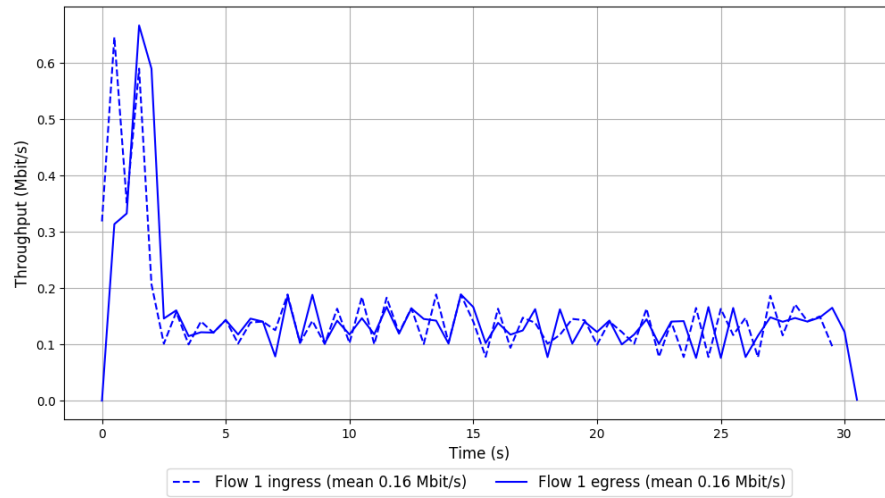


Run 8: Statistics of Sprout

Start at: 2018-05-31 08:37:42
End at: 2018-05-31 08:38:12
Local clock offset: 5.887 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2018-05-31 10:36:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 130.150 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 130.150 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-05-31 08:58:56

End at: 2018-05-31 08:59:26

Local clock offset: 1.711 ms

Remote clock offset: -0.18 ms

Below is generated by plot.py at 2018-05-31 10:36:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 134.267 ms

Loss rate: 0.00%

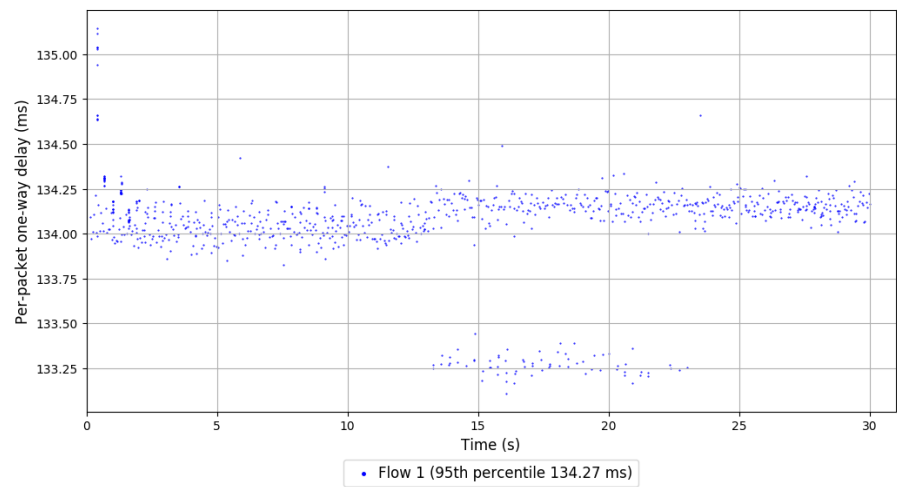
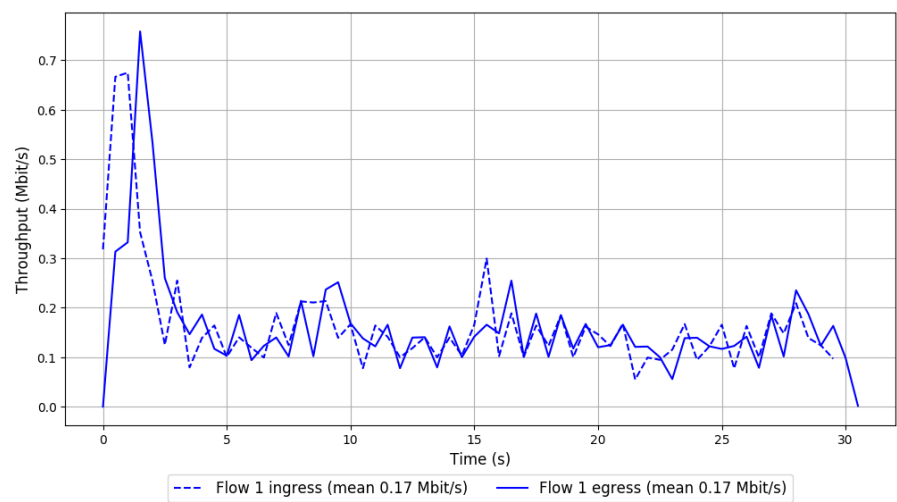
-- Flow 1:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 134.267 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

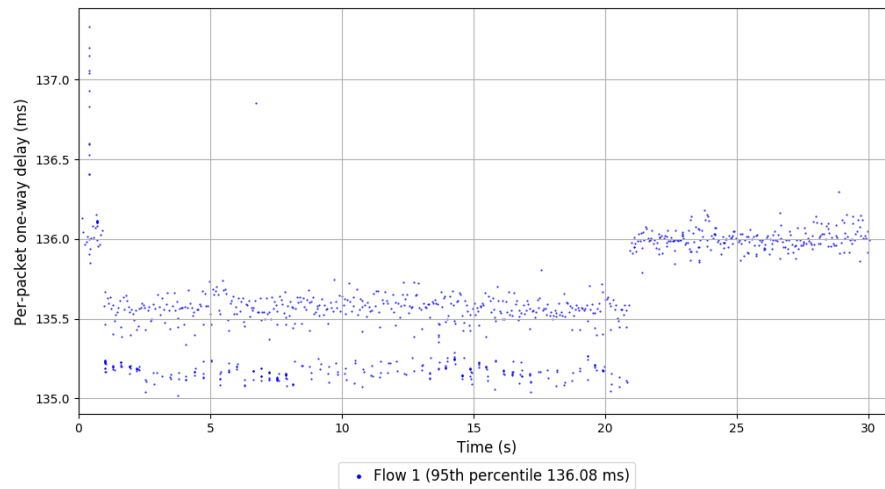
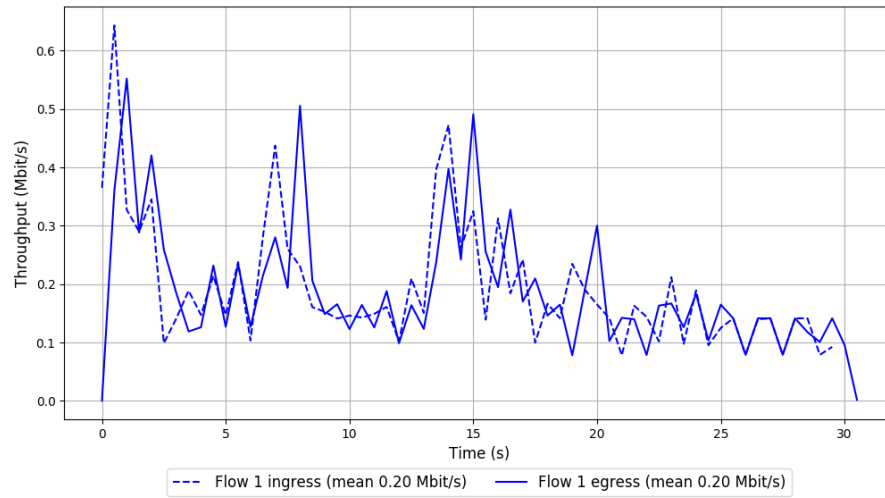


Run 10: Statistics of Sprout

Start at: 2018-05-31 09:20:28
End at: 2018-05-31 09:20:58
Local clock offset: -0.111 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2018-05-31 10:36:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 136.082 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 136.082 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

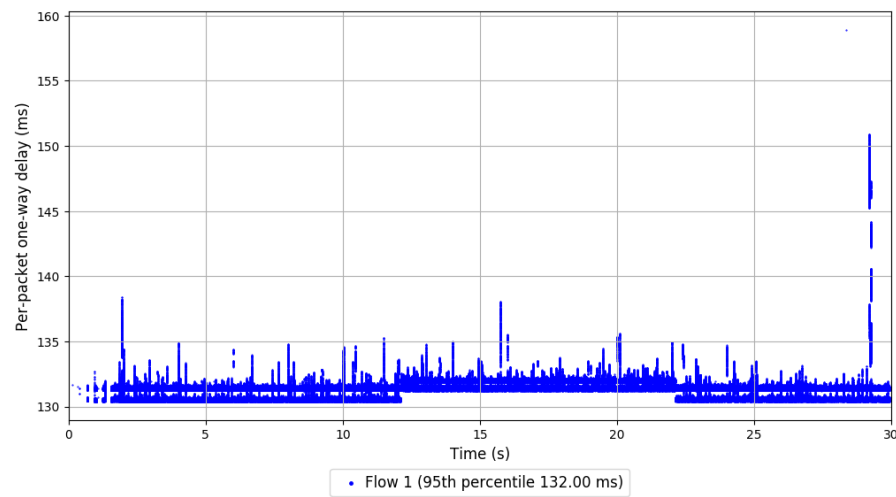
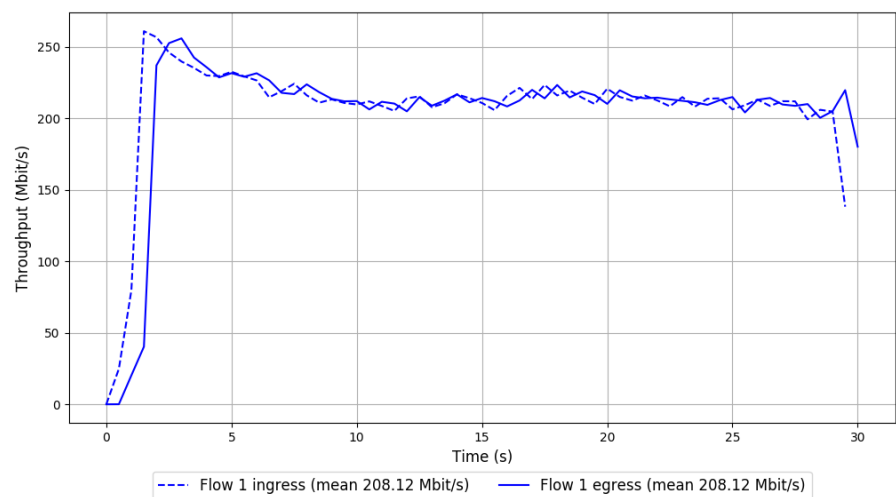


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-05-31 06:02:07
End at: 2018-05-31 06:02:37
Local clock offset: 4.308 ms
Remote clock offset: 0.071 ms

# Below is generated by plot.py at 2018-05-31 10:37:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 208.12 Mbit/s
95th percentile per-packet one-way delay: 131.997 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 208.12 Mbit/s
95th percentile per-packet one-way delay: 131.997 ms
Loss rate: 0.00%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-05-31 06:23:27

End at: 2018-05-31 06:23:57

Local clock offset: 6.032 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-05-31 10:37:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.38 Mbit/s

95th percentile per-packet one-way delay: 130.194 ms

Loss rate: 0.00%

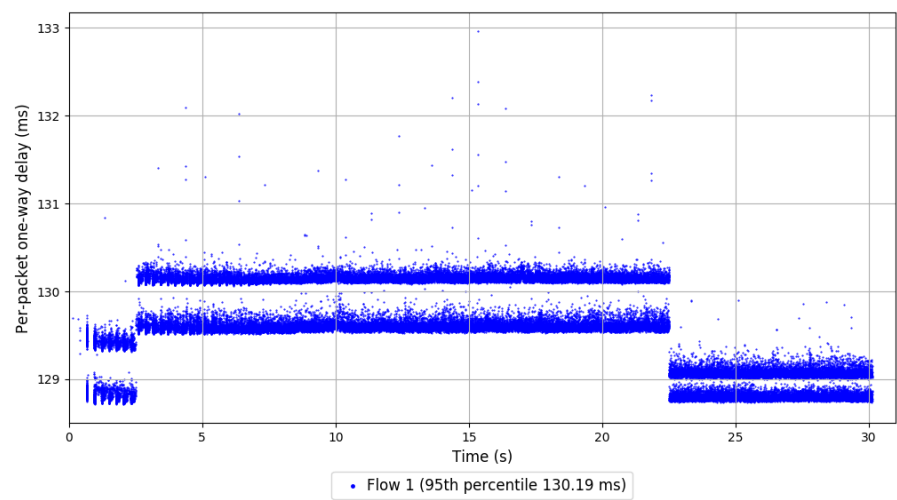
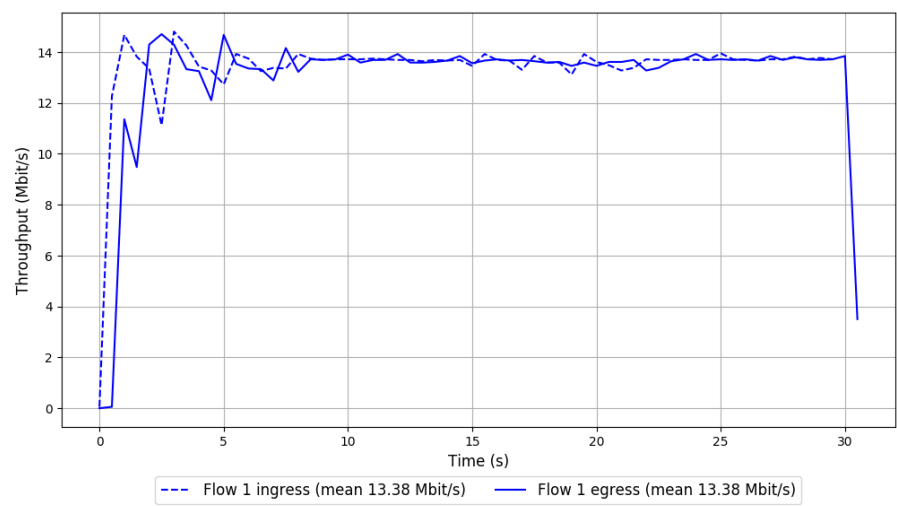
-- Flow 1:

Average throughput: 13.38 Mbit/s

95th percentile per-packet one-way delay: 130.194 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-05-31 06:44:43

End at: 2018-05-31 06:45:13

Local clock offset: 5.896 ms

Remote clock offset: -0.372 ms

Below is generated by plot.py at 2018-05-31 10:37:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.40 Mbit/s

95th percentile per-packet one-way delay: 129.514 ms

Loss rate: 0.00%

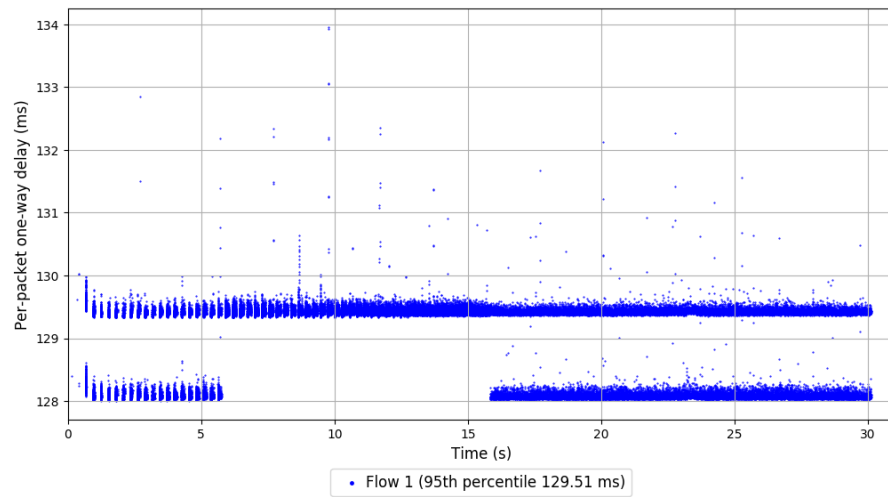
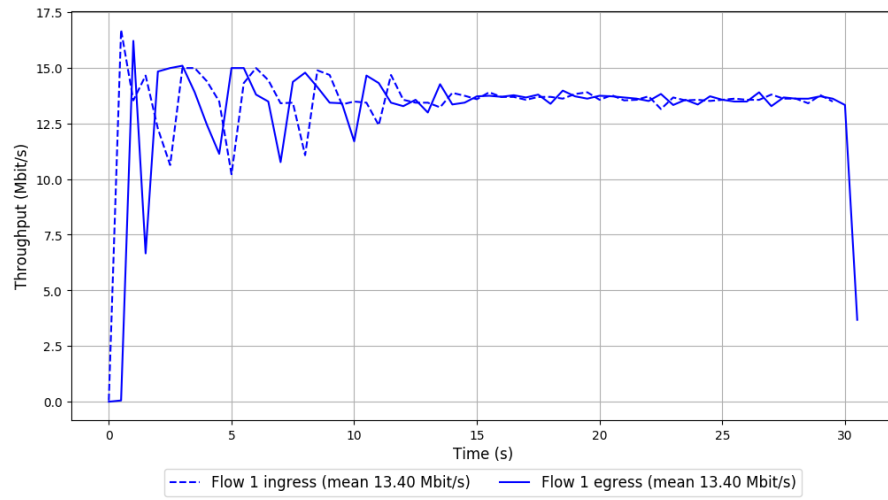
-- Flow 1:

Average throughput: 13.40 Mbit/s

95th percentile per-packet one-way delay: 129.514 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-05-31 07:06:07

End at: 2018-05-31 07:06:37

Local clock offset: 5.885 ms

Remote clock offset: -0.332 ms

Below is generated by plot.py at 2018-05-31 10:37:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 152.32 Mbit/s

95th percentile per-packet one-way delay: 130.595 ms

Loss rate: 0.00%

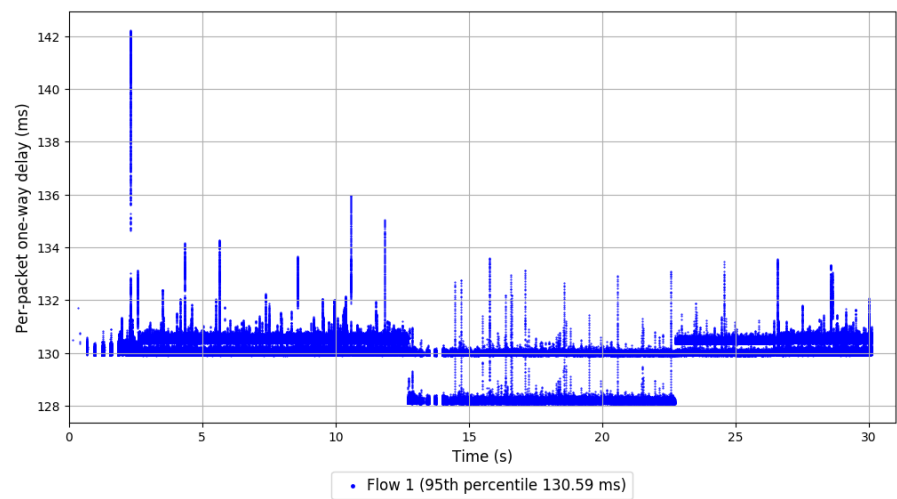
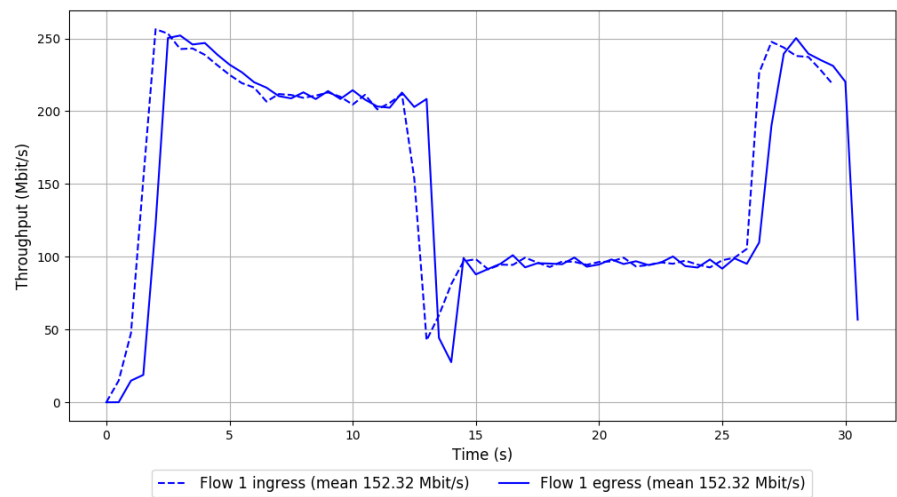
-- Flow 1:

Average throughput: 152.32 Mbit/s

95th percentile per-packet one-way delay: 130.595 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-05-31 07:27:56

End at: 2018-05-31 07:28:26

Local clock offset: -0.19 ms

Remote clock offset: -0.0 ms

Below is generated by plot.py at 2018-05-31 10:37:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.22 Mbit/s

95th percentile per-packet one-way delay: 136.584 ms

Loss rate: 0.00%

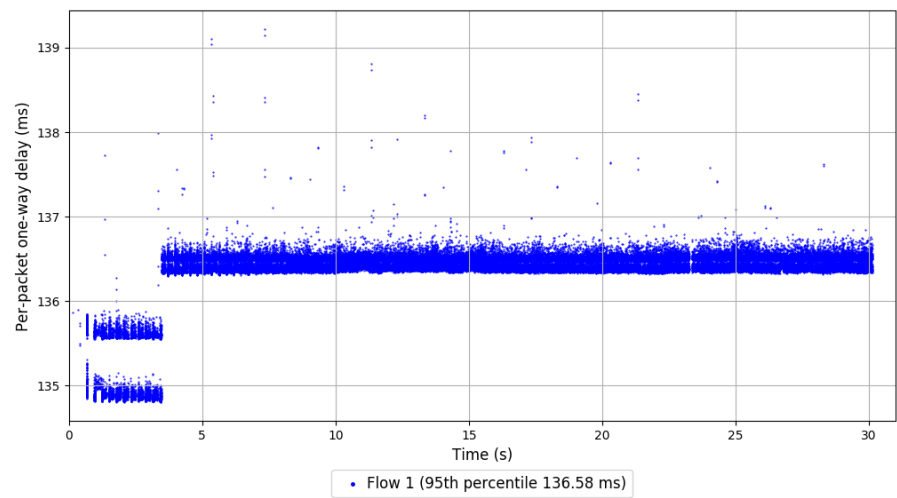
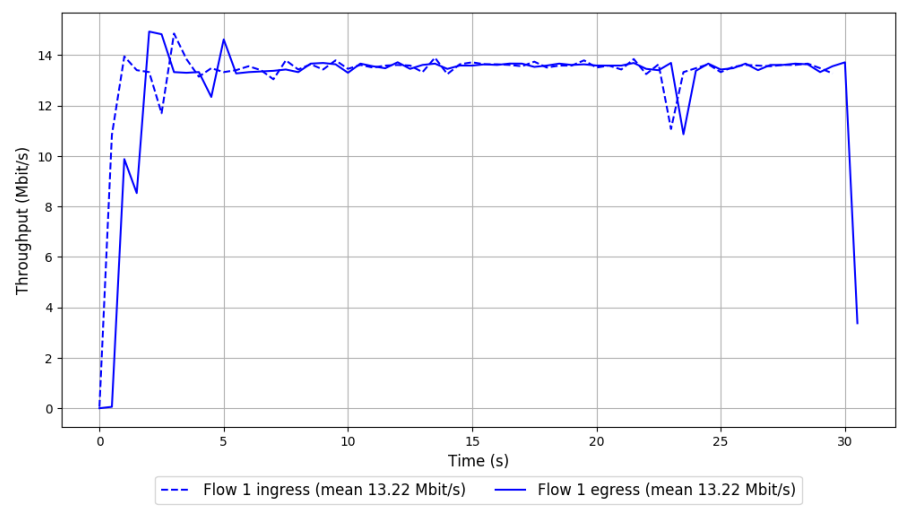
-- Flow 1:

Average throughput: 13.22 Mbit/s

95th percentile per-packet one-way delay: 136.584 ms

Loss rate: 0.00%

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

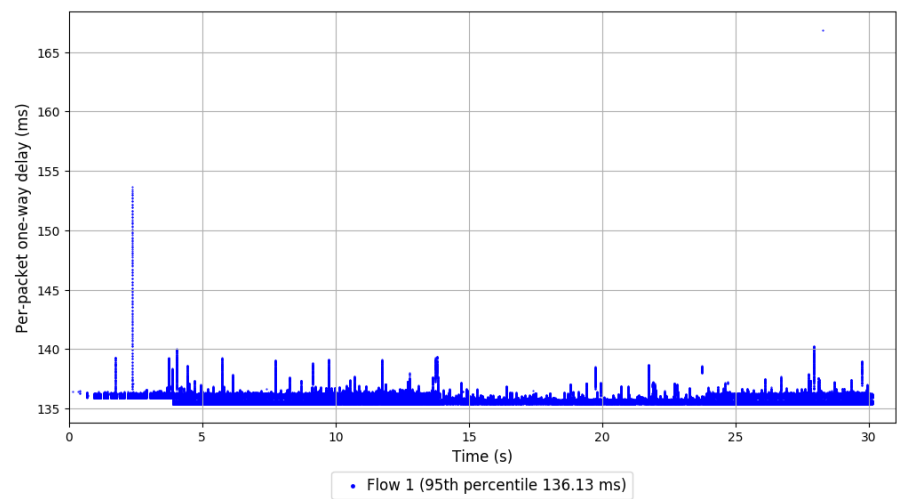
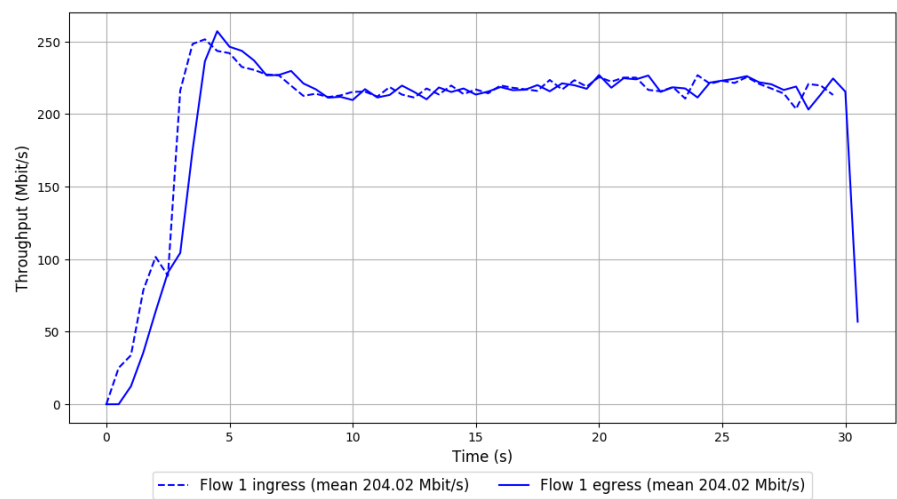


Run 6: Statistics of TaoVA-100x

Start at: 2018-05-31 07:49:15
End at: 2018-05-31 07:49:45
Local clock offset: -0.279 ms
Remote clock offset: -0.438 ms

Below is generated by plot.py at 2018-05-31 10:38:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 204.02 Mbit/s
95th percentile per-packet one-way delay: 136.133 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 204.02 Mbit/s
95th percentile per-packet one-way delay: 136.133 ms
Loss rate: 0.00%

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

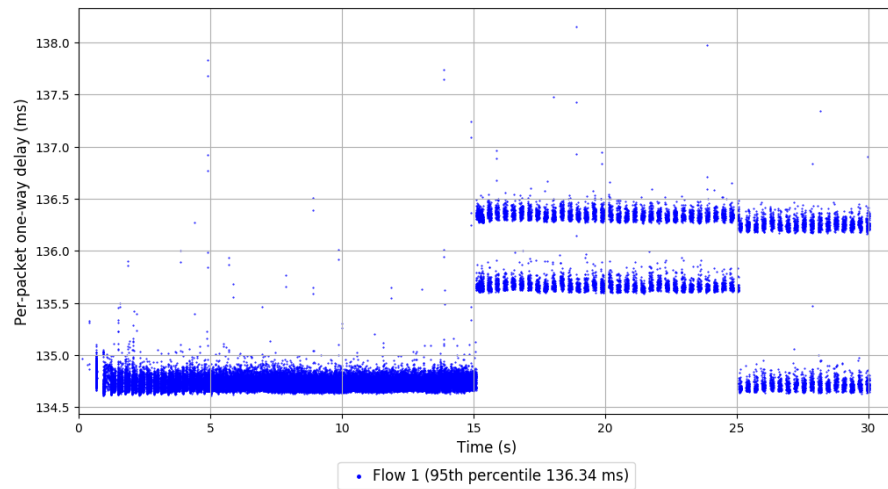
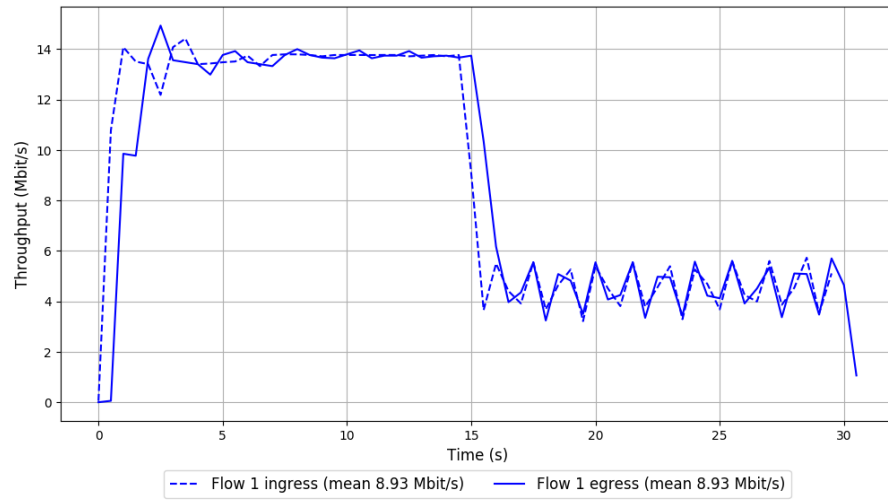


Run 7: Statistics of TaoVA-100x

Start at: 2018-05-31 08:10:54
End at: 2018-05-31 08:11:24
Local clock offset: -0.039 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-05-31 10:38:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 8.93 Mbit/s
95th percentile per-packet one-way delay: 136.339 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 8.93 Mbit/s
95th percentile per-packet one-way delay: 136.339 ms
Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-05-31 08:32:05

End at: 2018-05-31 08:32:36

Local clock offset: 5.763 ms

Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-05-31 10:38:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.40 Mbit/s

95th percentile per-packet one-way delay: 130.561 ms

Loss rate: 0.00%

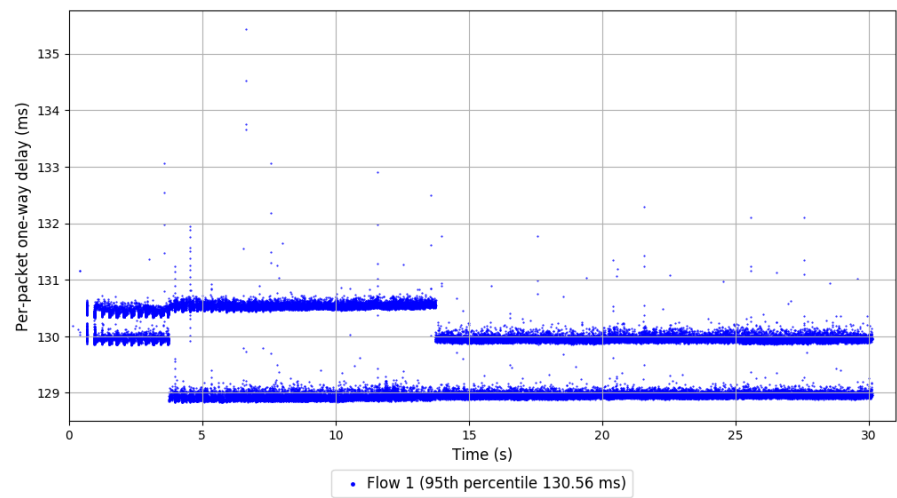
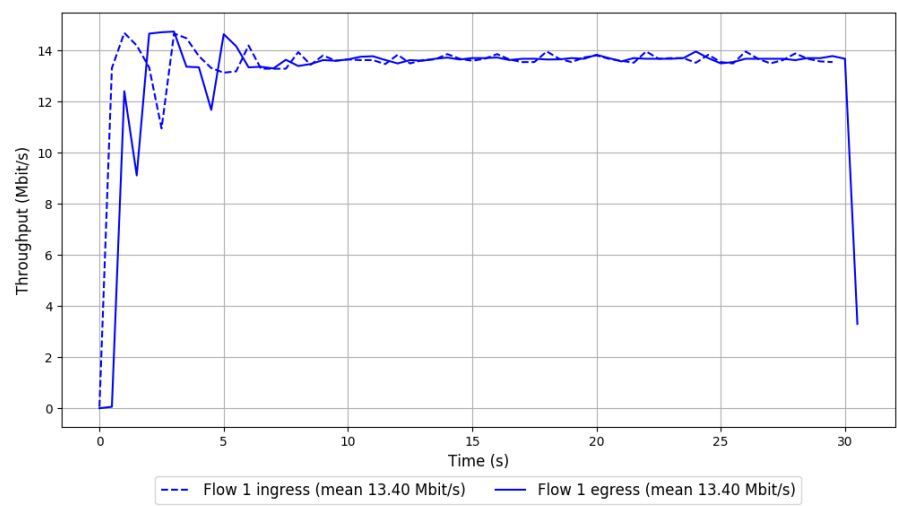
-- Flow 1:

Average throughput: 13.40 Mbit/s

95th percentile per-packet one-way delay: 130.561 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-05-31 08:53:03

End at: 2018-05-31 08:53:33

Local clock offset: -0.216 ms

Remote clock offset: -0.18 ms

Below is generated by plot.py at 2018-05-31 10:38:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.29 Mbit/s

95th percentile per-packet one-way delay: 136.316 ms

Loss rate: 0.00%

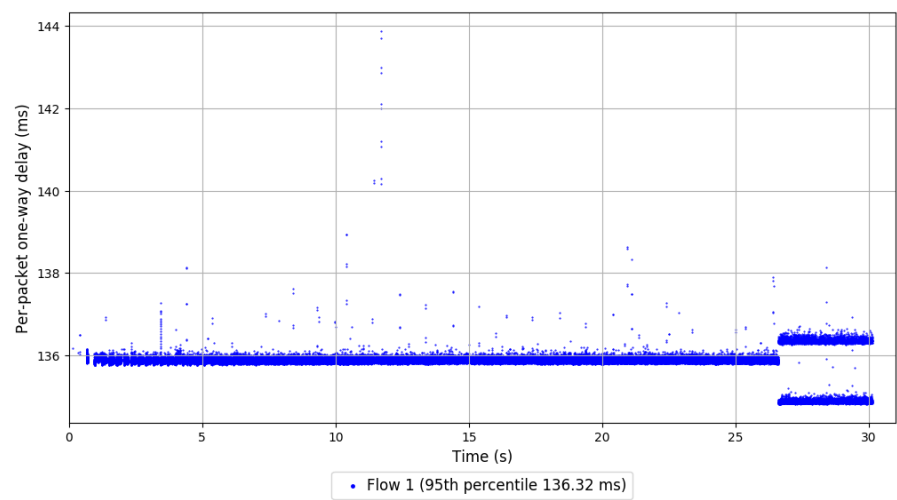
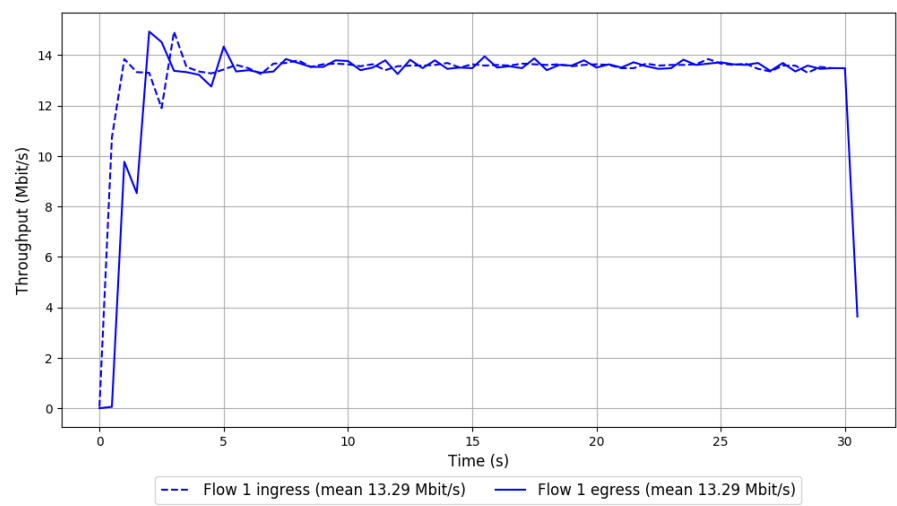
-- Flow 1:

Average throughput: 13.29 Mbit/s

95th percentile per-packet one-way delay: 136.316 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-05-31 09:14:33

End at: 2018-05-31 09:15:03

Local clock offset: -0.097 ms

Remote clock offset: -0.199 ms

Below is generated by plot.py at 2018-05-31 10:39:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.08 Mbit/s

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

Loss rate: 0.00%

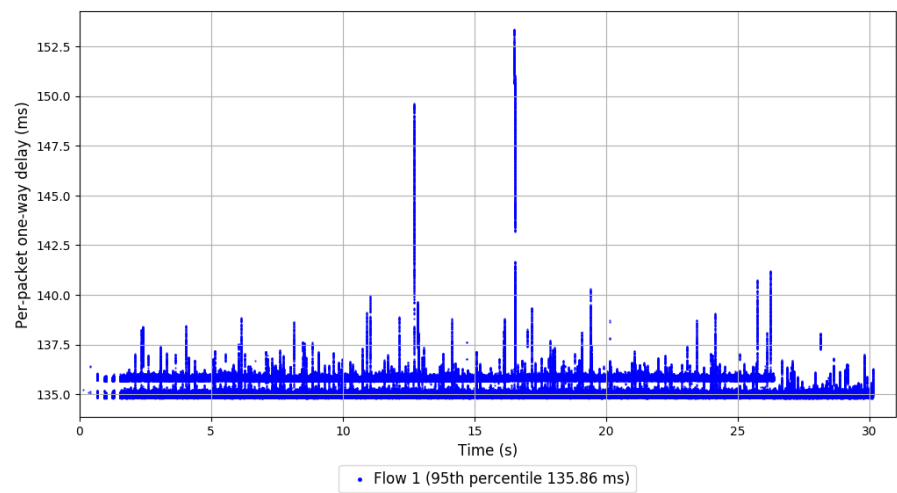
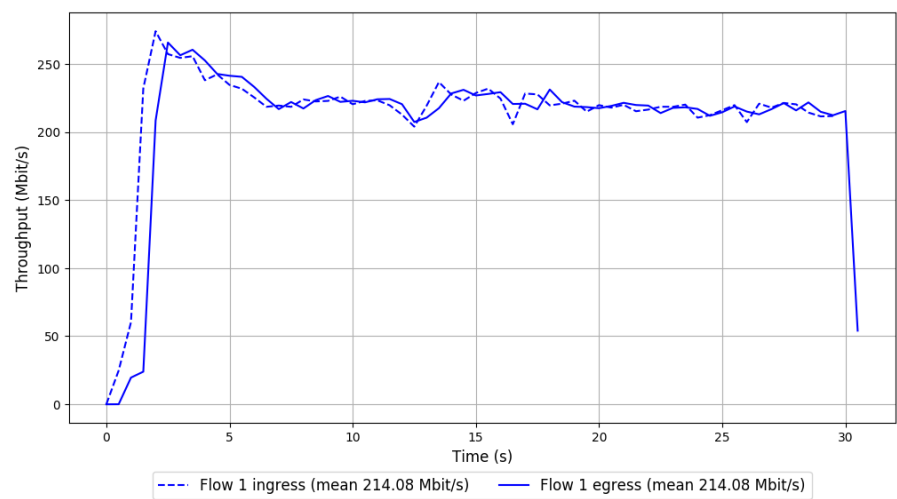
-- Flow 1:

Average throughput: 214.08 Mbit/s

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

Loss rate: 0.00%

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

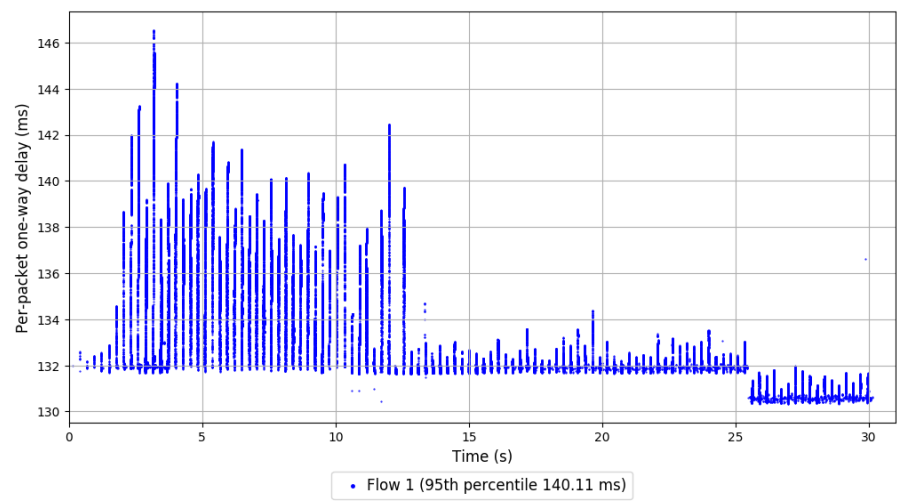
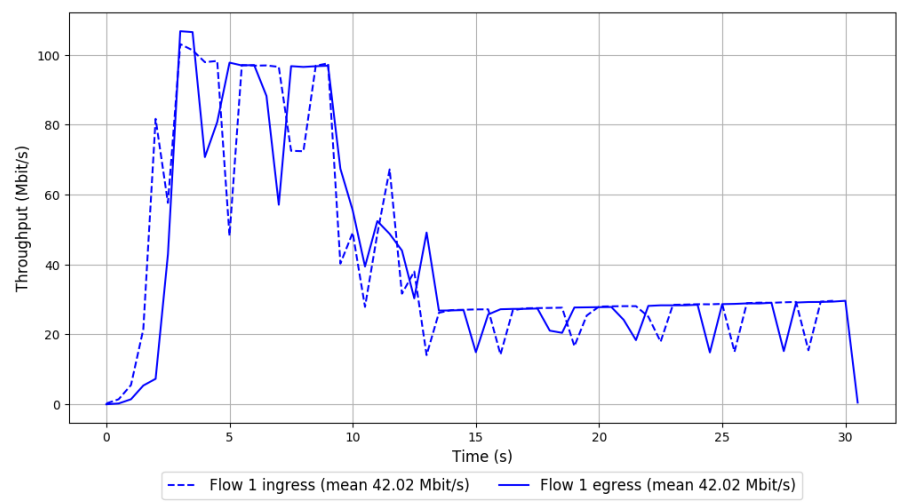


Run 1: Statistics of TCP Vegas

Start at: 2018-05-31 06:09:14
End at: 2018-05-31 06:09:44
Local clock offset: 3.977 ms
Remote clock offset: -0.347 ms

Below is generated by plot.py at 2018-05-31 10:39:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 42.02 Mbit/s
95th percentile per-packet one-way delay: 140.113 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.02 Mbit/s
95th percentile per-packet one-way delay: 140.113 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

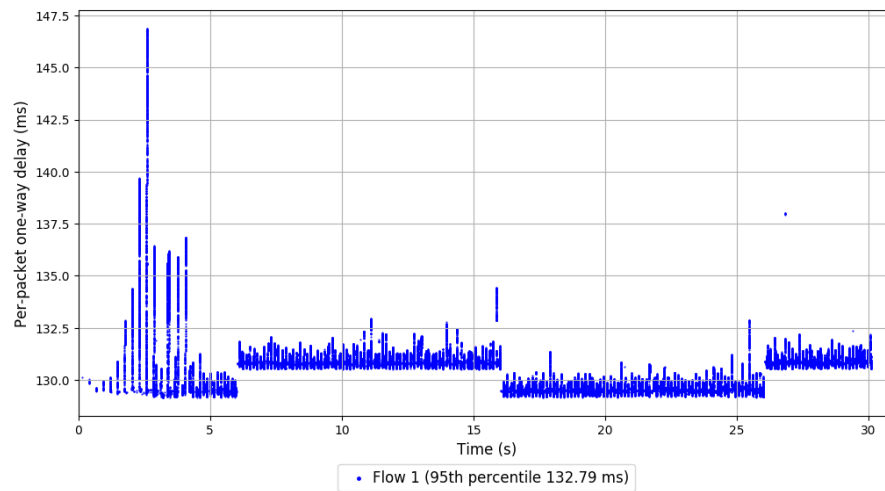
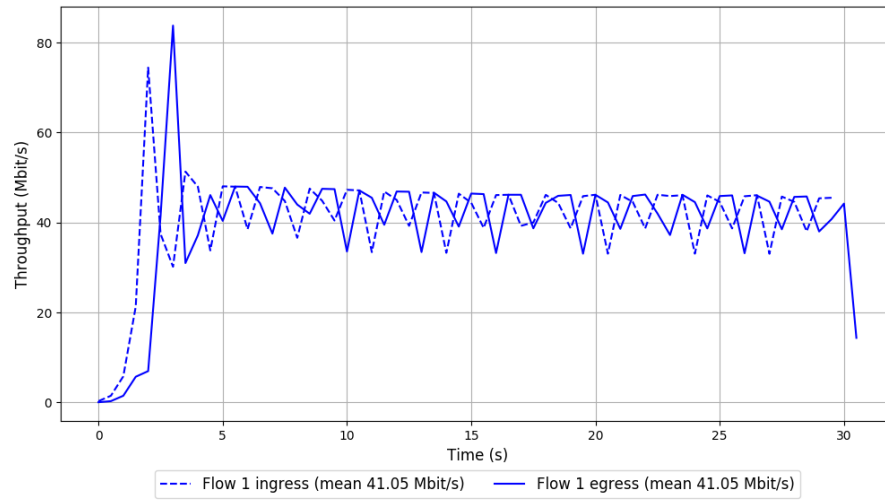


Run 2: Statistics of TCP Vegas

Start at: 2018-05-31 06:30:13
End at: 2018-05-31 06:30:43
Local clock offset: 5.956 ms
Remote clock offset: 0.381 ms

Below is generated by plot.py at 2018-05-31 10:39:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.05 Mbit/s
95th percentile per-packet one-way delay: 132.792 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.05 Mbit/s
95th percentile per-packet one-way delay: 132.792 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-05-31 06:51:50

End at: 2018-05-31 06:52:20

Local clock offset: -0.292 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-05-31 10:39:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.97 Mbit/s

95th percentile per-packet one-way delay: 137.544 ms

Loss rate: 0.00%

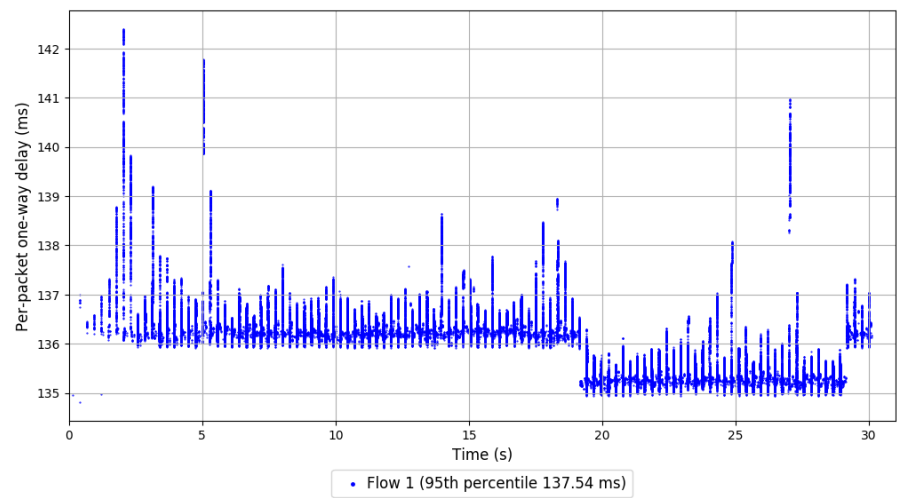
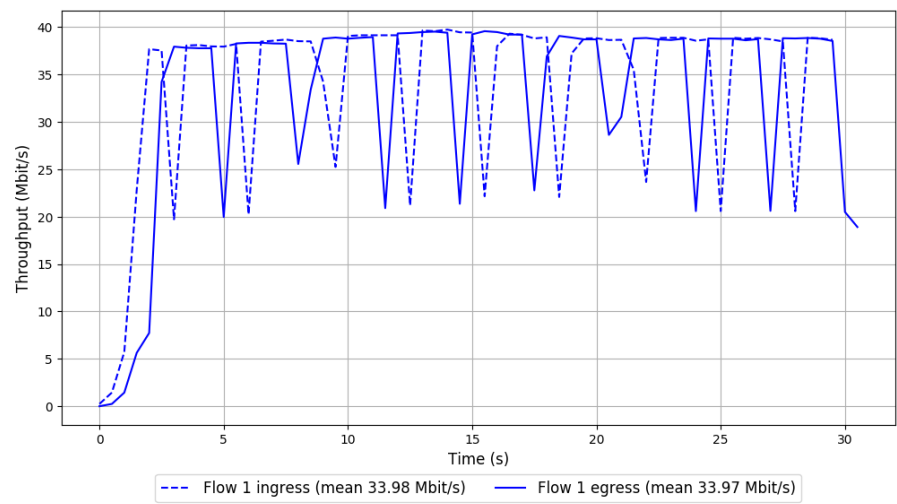
-- Flow 1:

Average throughput: 33.97 Mbit/s

95th percentile per-packet one-way delay: 137.544 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-05-31 07:13:15

End at: 2018-05-31 07:13:45

Local clock offset: 5.994 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-05-31 10:39:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 27.02 Mbit/s

95th percentile per-packet one-way delay: 131.846 ms

Loss rate: 0.00%

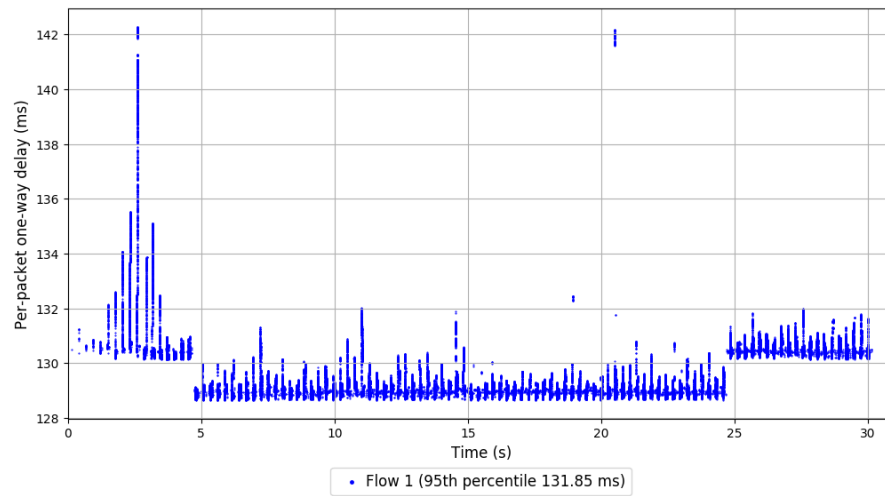
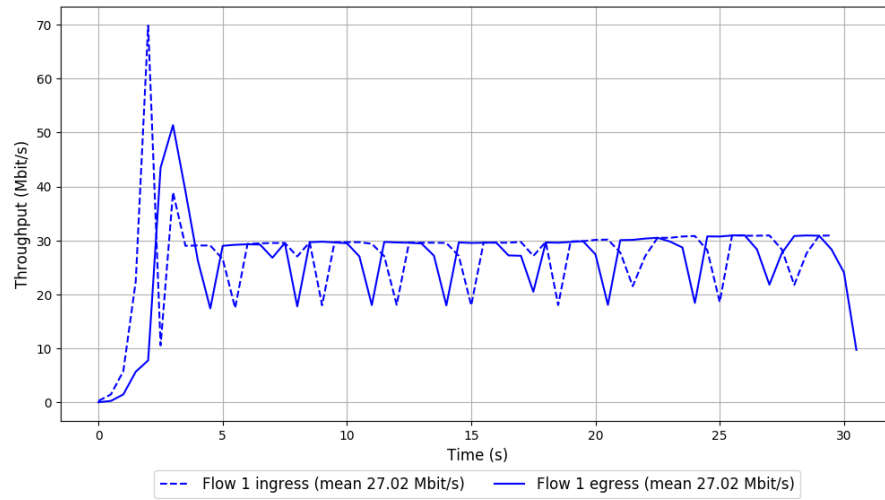
-- Flow 1:

Average throughput: 27.02 Mbit/s

95th percentile per-packet one-way delay: 131.846 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-05-31 07:35:02

End at: 2018-05-31 07:35:32

Local clock offset: -0.151 ms

Remote clock offset: -0.43 ms

Below is generated by plot.py at 2018-05-31 10:39:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.00 Mbit/s

95th percentile per-packet one-way delay: 141.088 ms

Loss rate: 0.00%

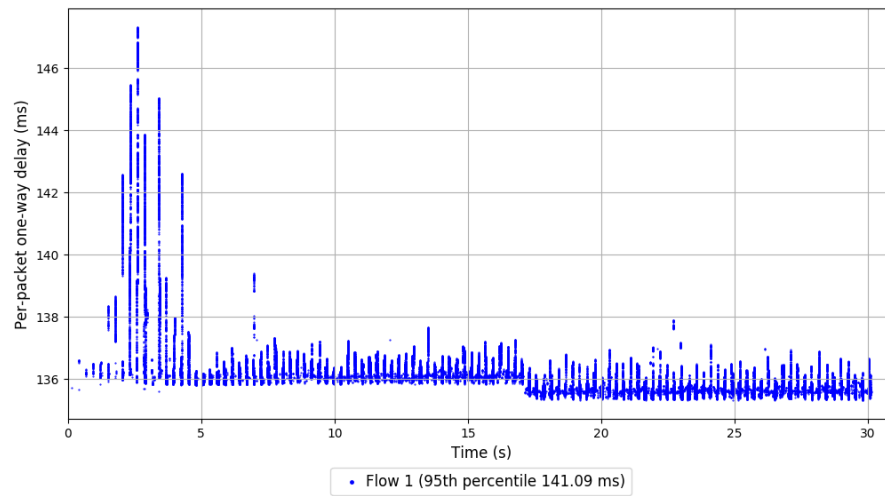
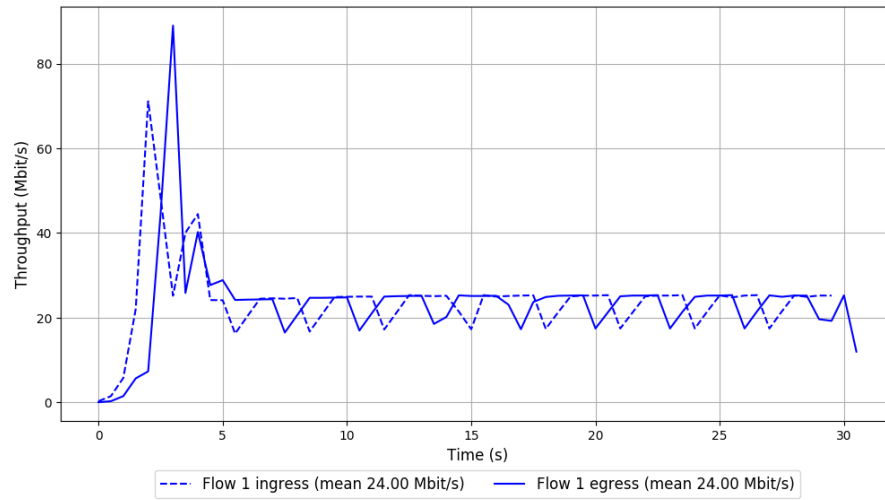
-- Flow 1:

Average throughput: 24.00 Mbit/s

95th percentile per-packet one-way delay: 141.088 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

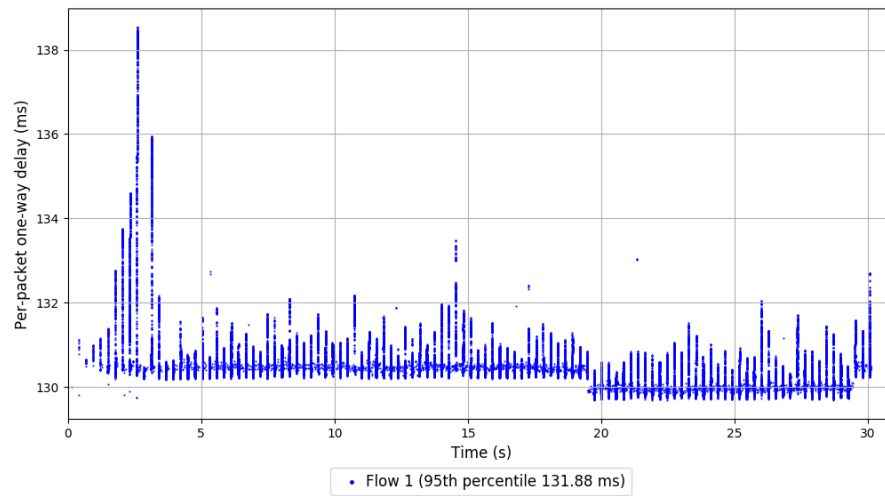
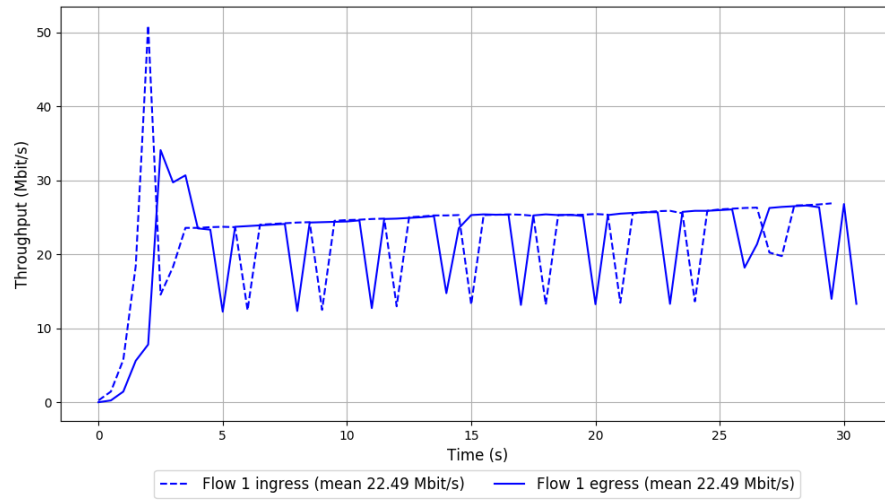


Run 6: Statistics of TCP Vegas

Start at: 2018-05-31 07:56:30
End at: 2018-05-31 07:57:00
Local clock offset: 5.805 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-05-31 10:39:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.49 Mbit/s
95th percentile per-packet one-way delay: 131.877 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.49 Mbit/s
95th percentile per-packet one-way delay: 131.877 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

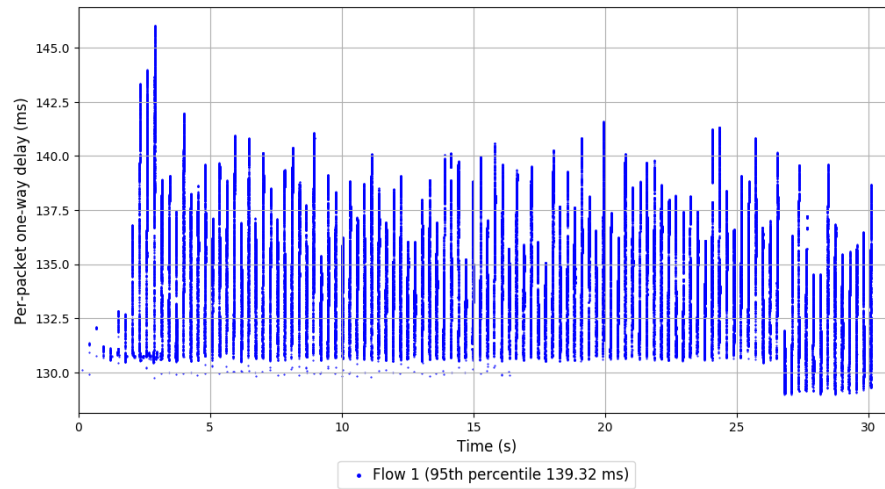
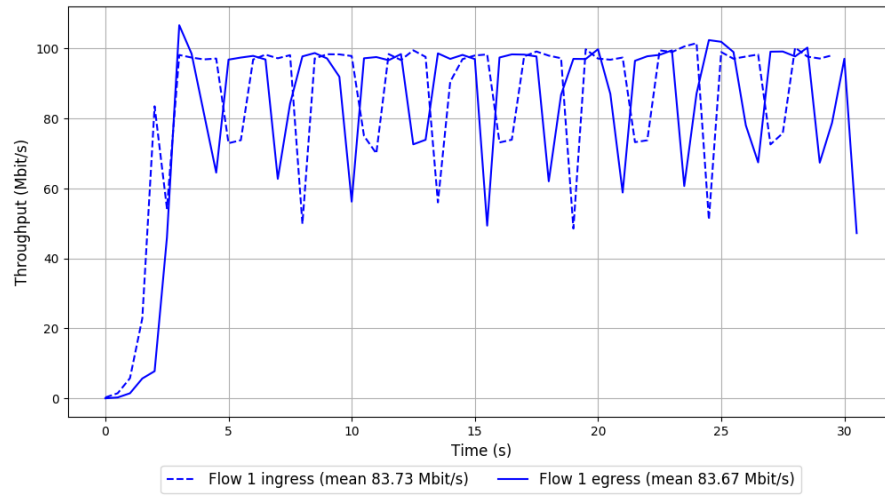


Run 7: Statistics of TCP Vegas

Start at: 2018-05-31 08:17:53
End at: 2018-05-31 08:18:23
Local clock offset: 5.692 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-05-31 10:39:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.67 Mbit/s
95th percentile per-packet one-way delay: 139.320 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 83.67 Mbit/s
95th percentile per-packet one-way delay: 139.320 ms
Loss rate: 0.05%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-05-31 08:38:50

End at: 2018-05-31 08:39:20

Local clock offset: 0.031 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-05-31 10:39:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.91 Mbit/s

95th percentile per-packet one-way delay: 143.990 ms

Loss rate: 0.00%

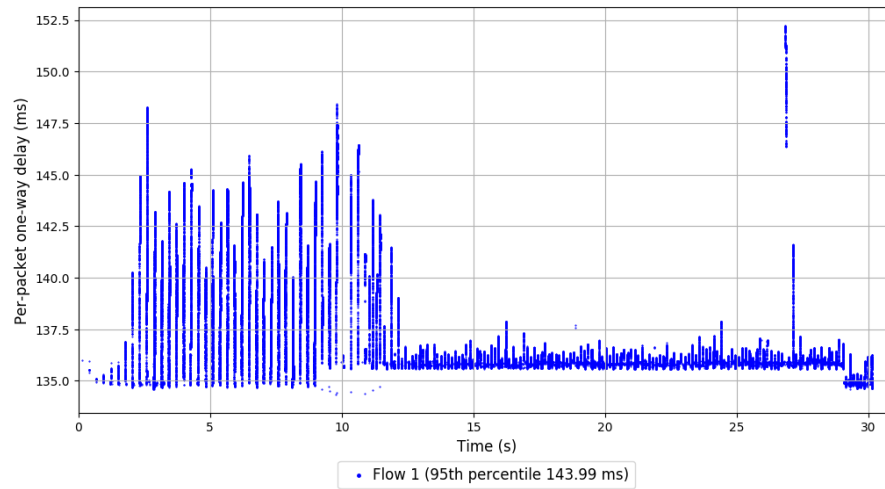
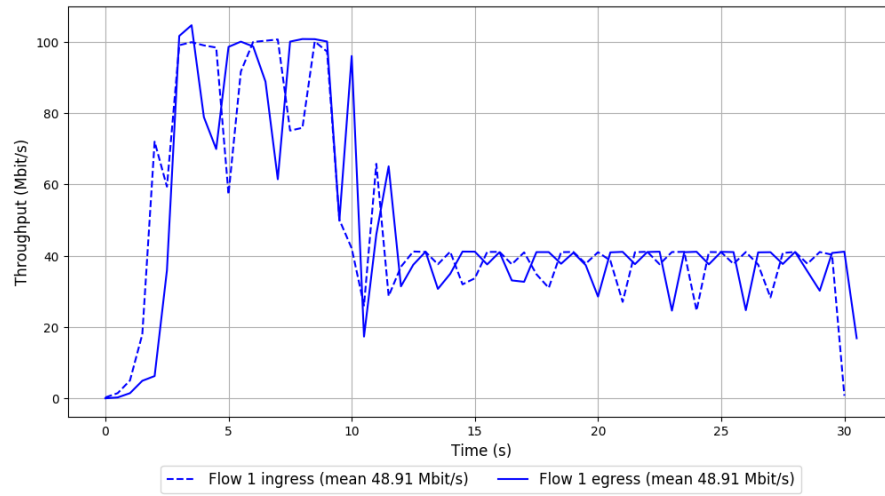
-- Flow 1:

Average throughput: 48.91 Mbit/s

95th percentile per-packet one-way delay: 143.990 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

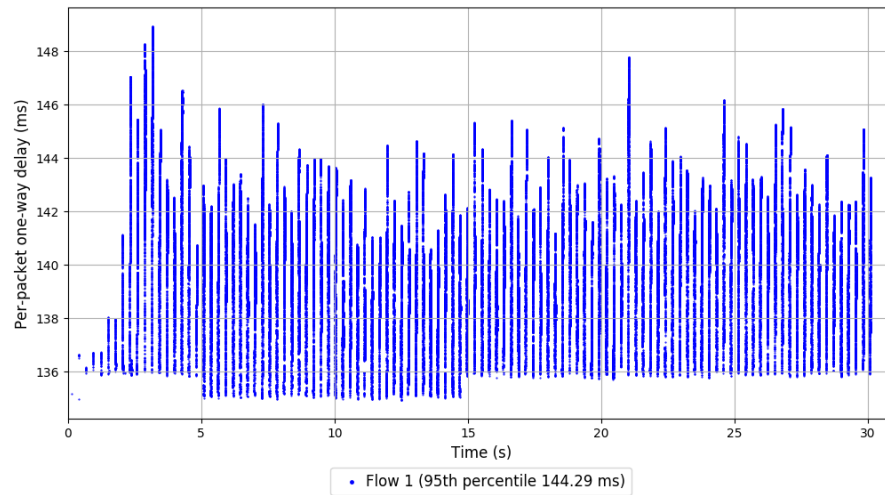
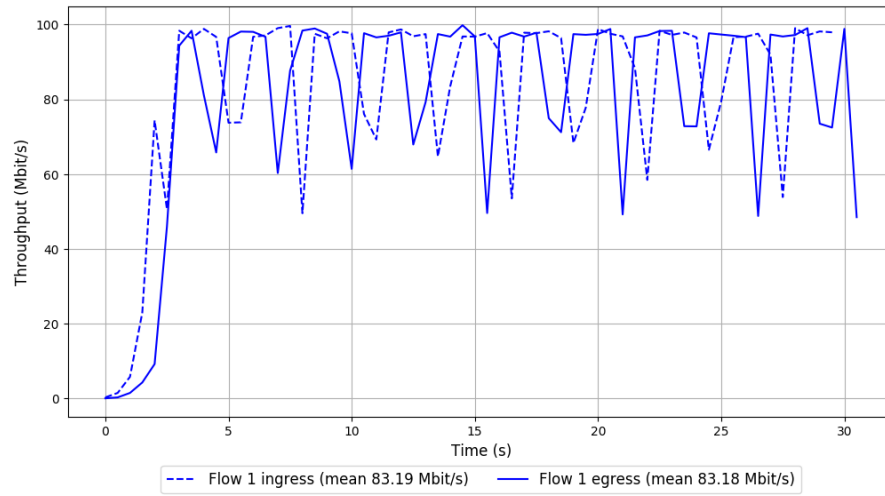


Run 9: Statistics of TCP Vegas

Start at: 2018-05-31 09:00:04
End at: 2018-05-31 09:00:34
Local clock offset: -0.069 ms
Remote clock offset: -0.152 ms

Below is generated by plot.py at 2018-05-31 10:39:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.18 Mbit/s
95th percentile per-packet one-way delay: 144.291 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.18 Mbit/s
95th percentile per-packet one-way delay: 144.291 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

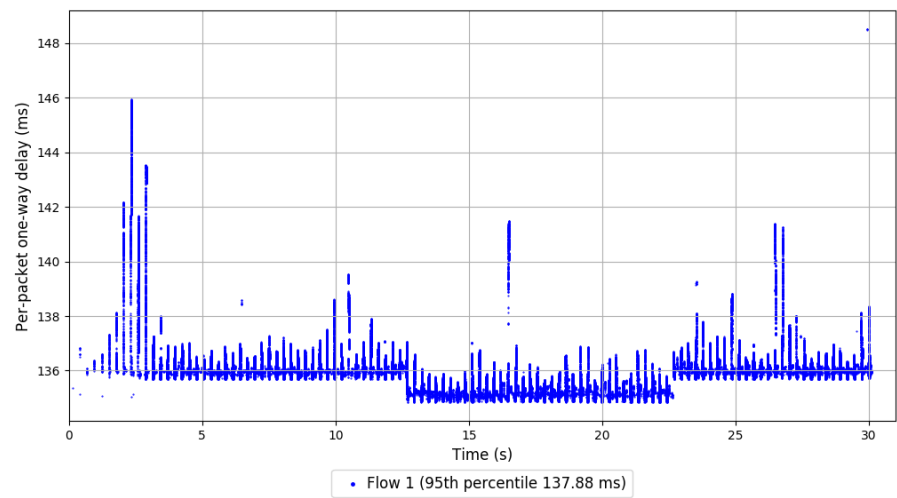
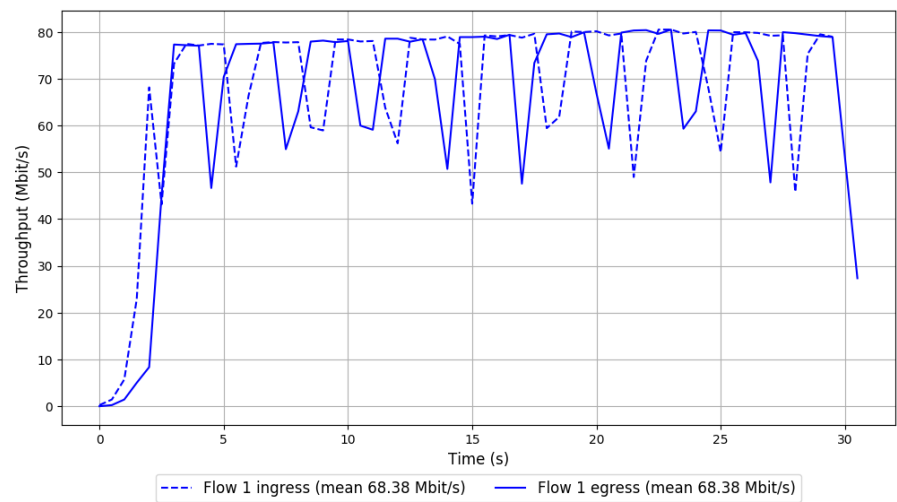


Run 10: Statistics of TCP Vegas

Start at: 2018-05-31 09:21:37
End at: 2018-05-31 09:22:07
Local clock offset: -0.105 ms
Remote clock offset: -0.192 ms

Below is generated by plot.py at 2018-05-31 10:39:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.38 Mbit/s
95th percentile per-packet one-way delay: 137.882 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.38 Mbit/s
95th percentile per-packet one-way delay: 137.882 ms
Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

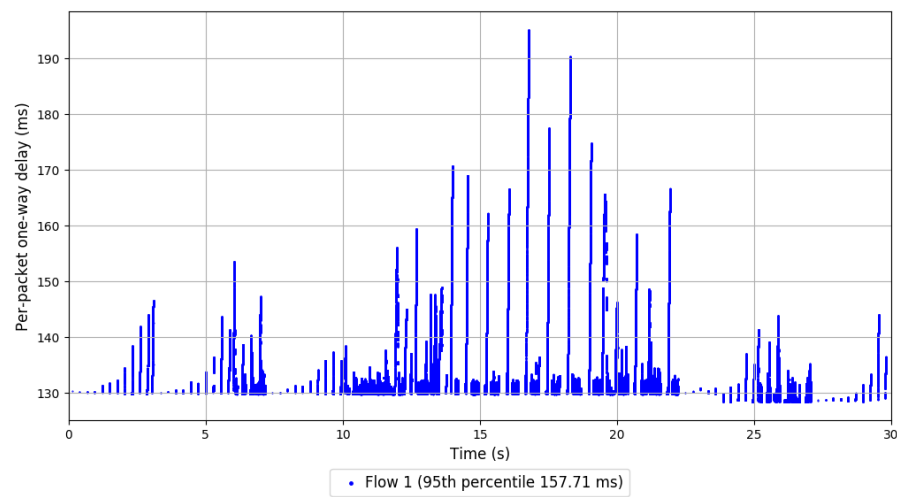
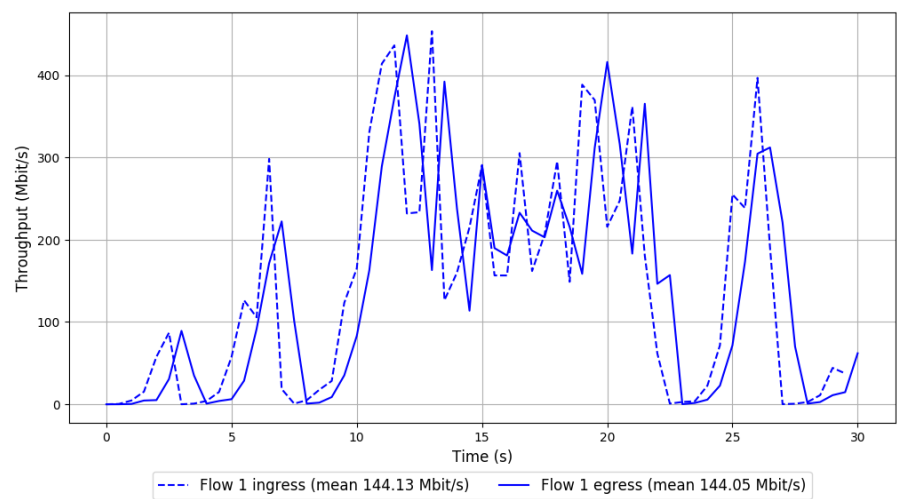


Run 1: Statistics of Verus

Start at: 2018-05-31 06:06:45
End at: 2018-05-31 06:07:15
Local clock offset: 5.925 ms
Remote clock offset: -0.369 ms

Below is generated by plot.py at 2018-05-31 10:39:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 144.05 Mbit/s
95th percentile per-packet one-way delay: 157.713 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 144.05 Mbit/s
95th percentile per-packet one-way delay: 157.713 ms
Loss rate: 0.06%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-05-31 06:27:44

End at: 2018-05-31 06:28:14

Local clock offset: -0.05 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2018-05-31 10:39:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 152.74 Mbit/s

95th percentile per-packet one-way delay: 229.582 ms

Loss rate: 0.48%

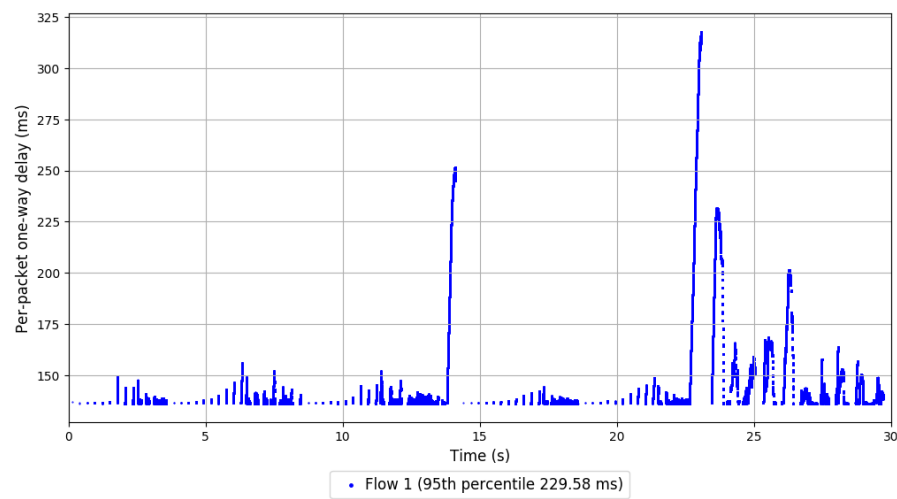
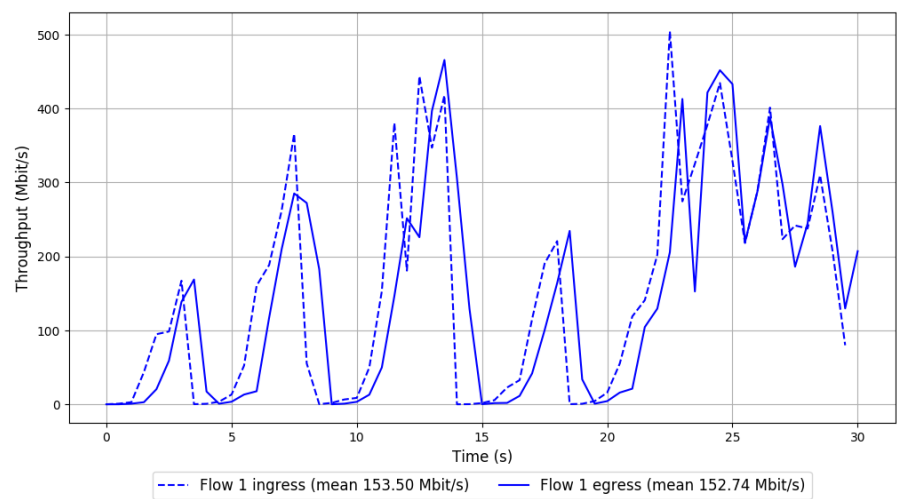
-- Flow 1:

Average throughput: 152.74 Mbit/s

95th percentile per-packet one-way delay: 229.582 ms

Loss rate: 0.48%

Run 2: Report of Verus — Data Link

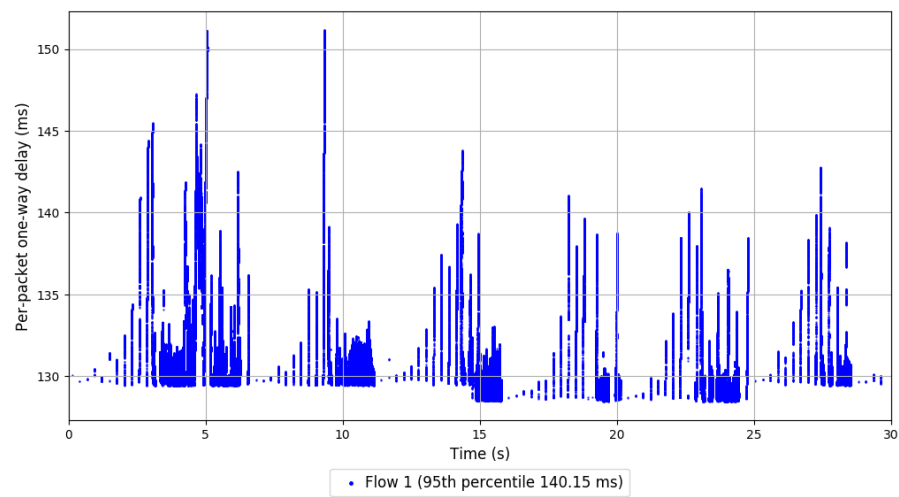
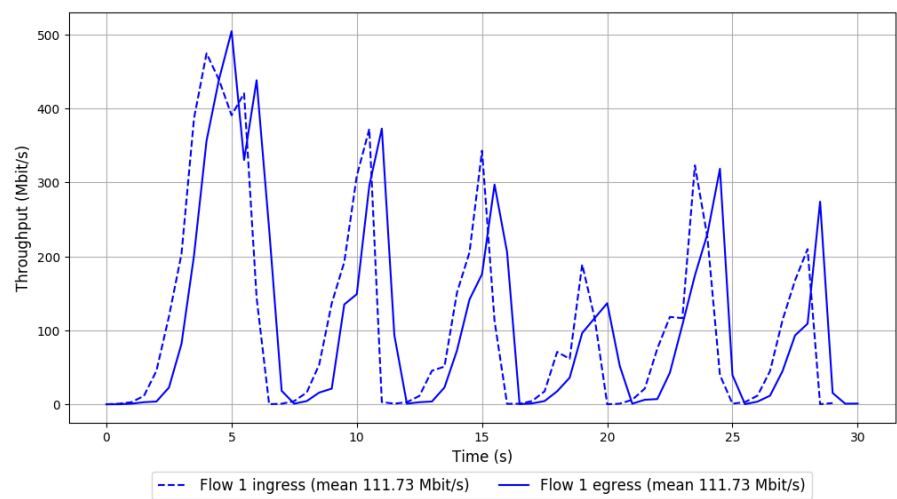


Run 3: Statistics of Verus

Start at: 2018-05-31 06:49:24
End at: 2018-05-31 06:49:54
Local clock offset: 6.189 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-05-31 10:39:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 111.73 Mbit/s
95th percentile per-packet one-way delay: 140.148 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 111.73 Mbit/s
95th percentile per-packet one-way delay: 140.148 ms
Loss rate: 0.00%

Run 3: Report of Verus — Data Link

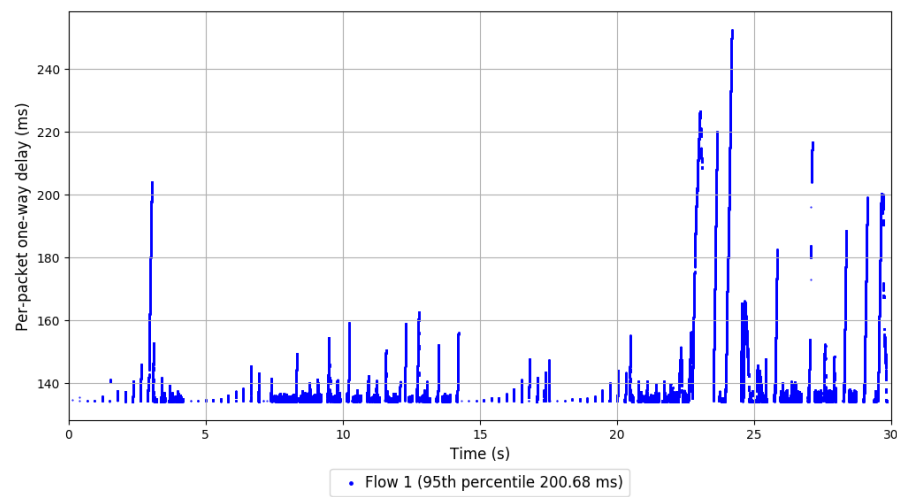
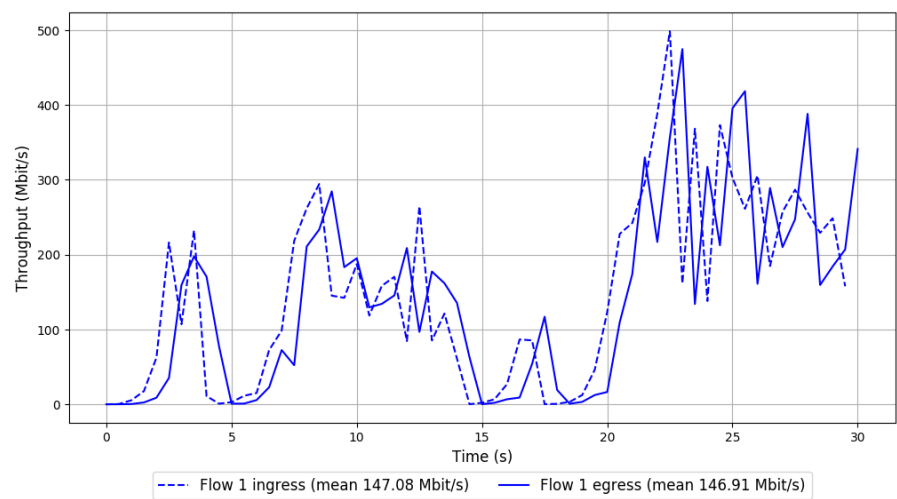


Run 4: Statistics of Verus

Start at: 2018-05-31 07:10:46
End at: 2018-05-31 07:11:16
Local clock offset: 1.691 ms
Remote clock offset: -0.387 ms

Below is generated by plot.py at 2018-05-31 10:39:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 146.91 Mbit/s
95th percentile per-packet one-way delay: 200.683 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 146.91 Mbit/s
95th percentile per-packet one-way delay: 200.683 ms
Loss rate: 0.12%

Run 4: Report of Verus — Data Link

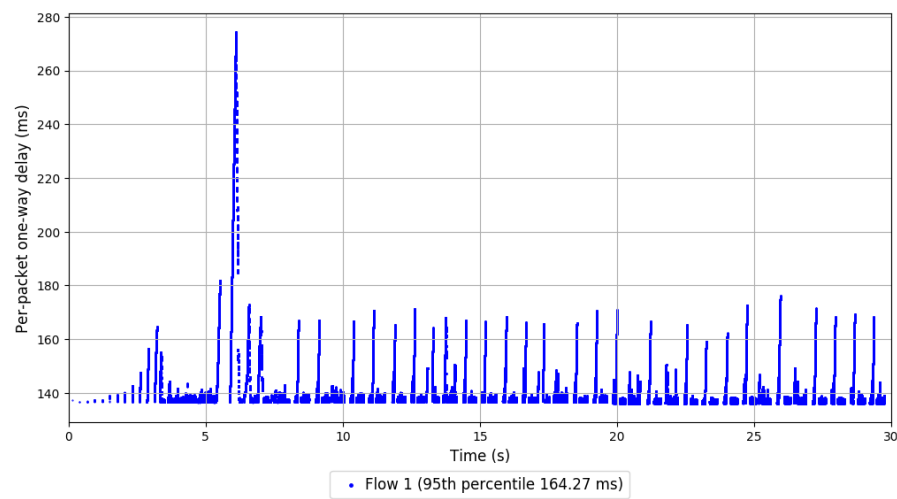
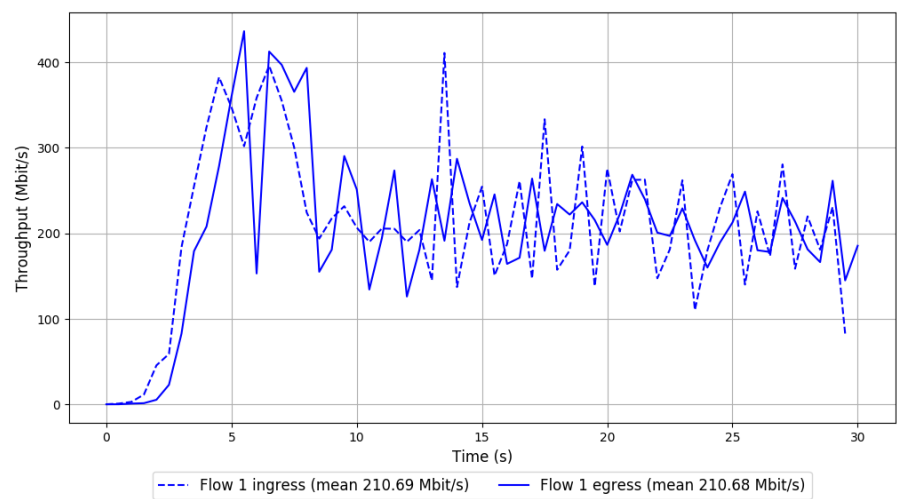


Run 5: Statistics of Verus

Start at: 2018-05-31 07:32:29
End at: 2018-05-31 07:32:59
Local clock offset: -0.431 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-05-31 10:40:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 210.68 Mbit/s
95th percentile per-packet one-way delay: 164.267 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 210.68 Mbit/s
95th percentile per-packet one-way delay: 164.267 ms
Loss rate: 0.00%

Run 5: Report of Verus — Data Link

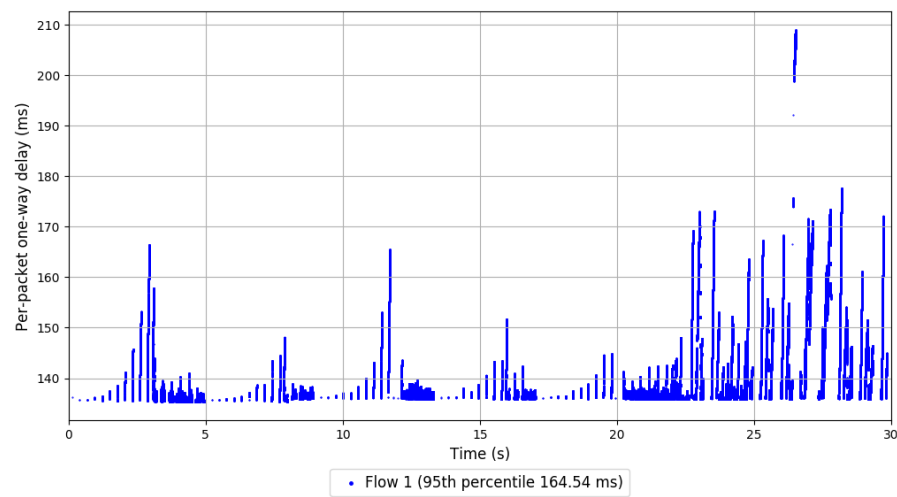
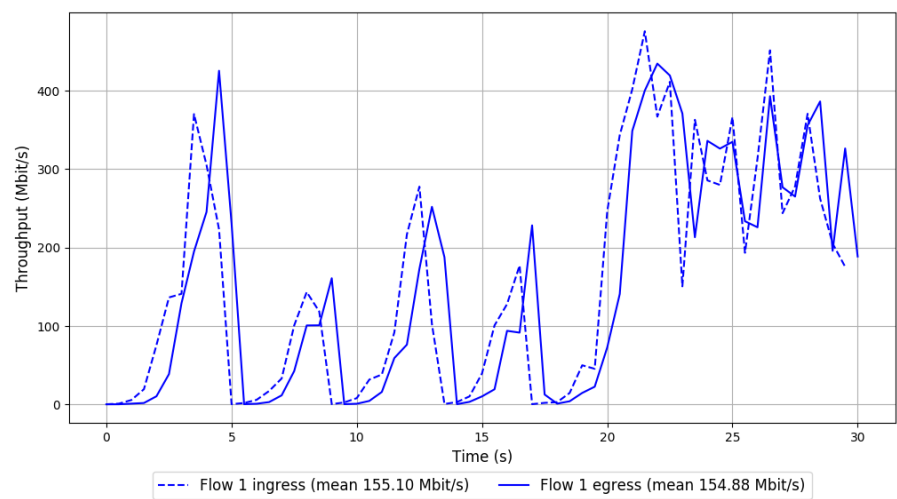


Run 6: Statistics of Verus

Start at: 2018-05-31 07:54:01
End at: 2018-05-31 07:54:31
Local clock offset: -0.208 ms
Remote clock offset: -0.437 ms

Below is generated by plot.py at 2018-05-31 10:40:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 154.88 Mbit/s
95th percentile per-packet one-way delay: 164.543 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 154.88 Mbit/s
95th percentile per-packet one-way delay: 164.543 ms
Loss rate: 0.14%

Run 6: Report of Verus — Data Link

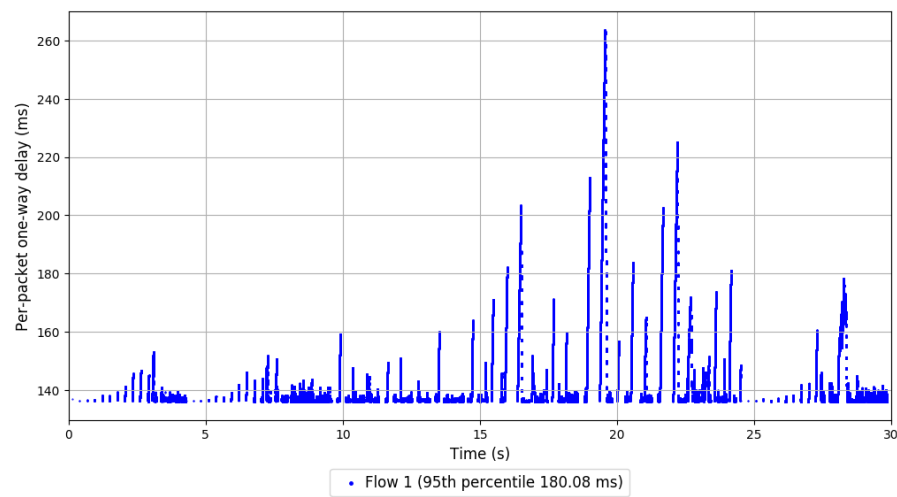
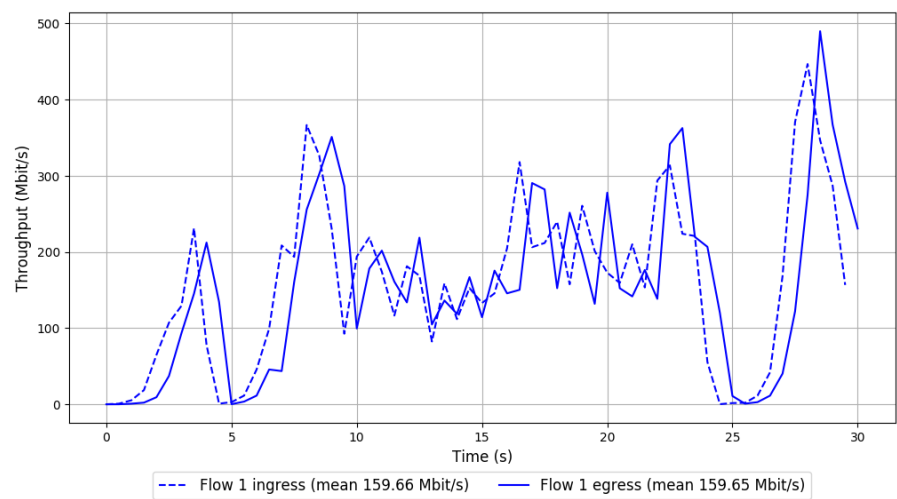


Run 7: Statistics of Verus

Start at: 2018-05-31 08:15:23
End at: 2018-05-31 08:15:53
Local clock offset: -0.018 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-05-31 10:40:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 159.65 Mbit/s
95th percentile per-packet one-way delay: 180.078 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 159.65 Mbit/s
95th percentile per-packet one-way delay: 180.078 ms
Loss rate: 0.01%

Run 7: Report of Verus — Data Link

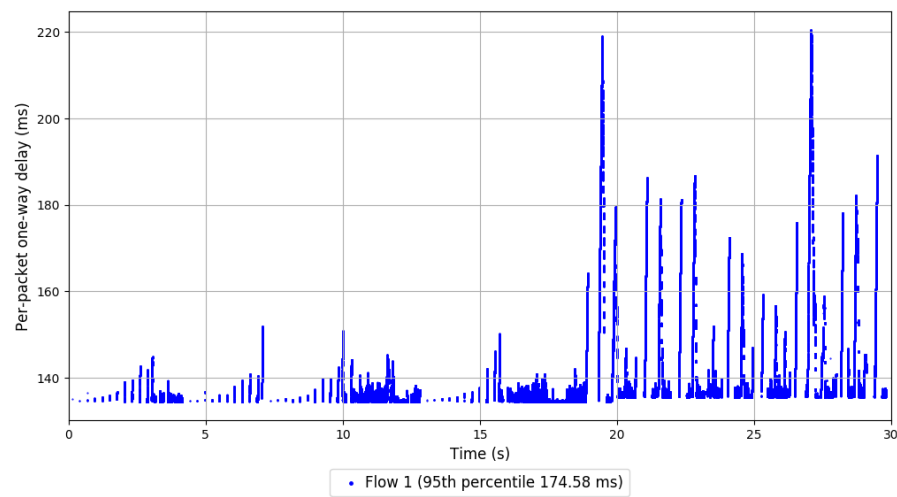
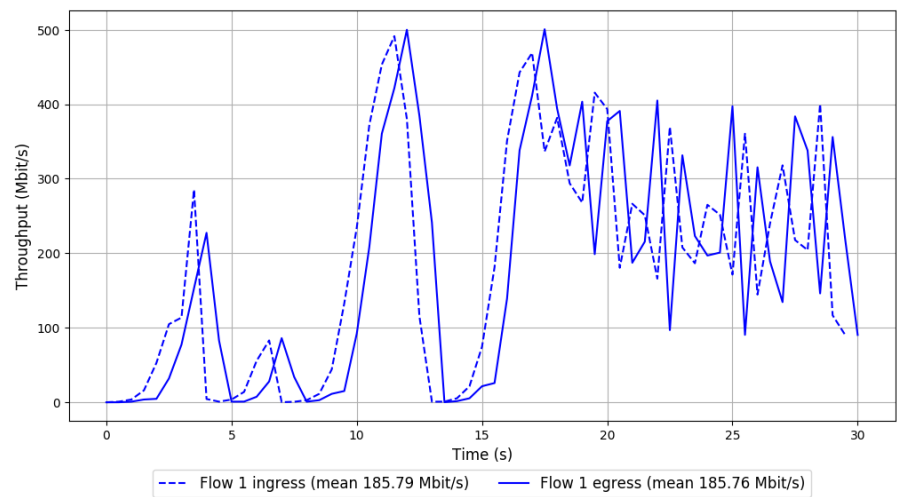


Run 8: Statistics of Verus

Start at: 2018-05-31 08:36:19
End at: 2018-05-31 08:36:49
Local clock offset: -0.221 ms
Remote clock offset: -0.491 ms

Below is generated by plot.py at 2018-05-31 10:41:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 185.76 Mbit/s
95th percentile per-packet one-way delay: 174.578 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 185.76 Mbit/s
95th percentile per-packet one-way delay: 174.578 ms
Loss rate: 0.01%

Run 8: Report of Verus — Data Link

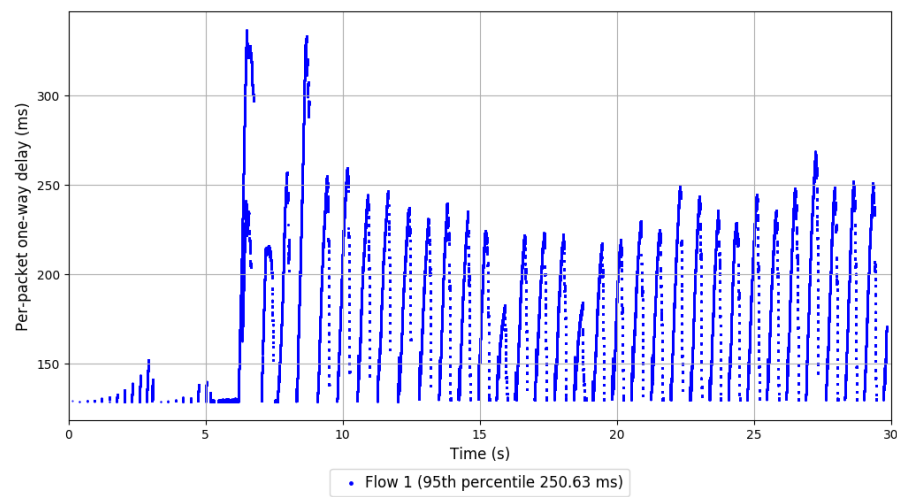
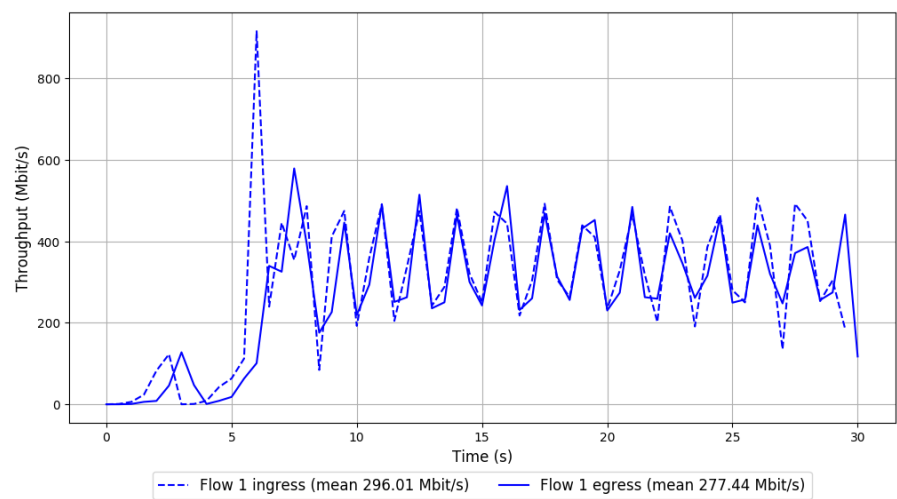


Run 9: Statistics of Verus

Start at: 2018-05-31 08:57:26
End at: 2018-05-31 08:57:57
Local clock offset: 6.044 ms
Remote clock offset: -0.139 ms

Below is generated by plot.py at 2018-05-31 10:43:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 277.44 Mbit/s
95th percentile per-packet one-way delay: 250.635 ms
Loss rate: 6.27%
-- Flow 1:
Average throughput: 277.44 Mbit/s
95th percentile per-packet one-way delay: 250.635 ms
Loss rate: 6.27%

Run 9: Report of Verus — Data Link

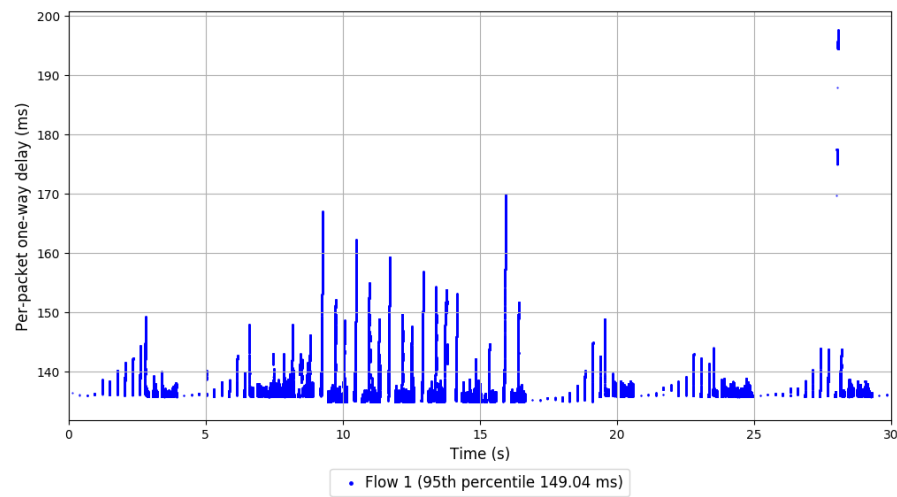
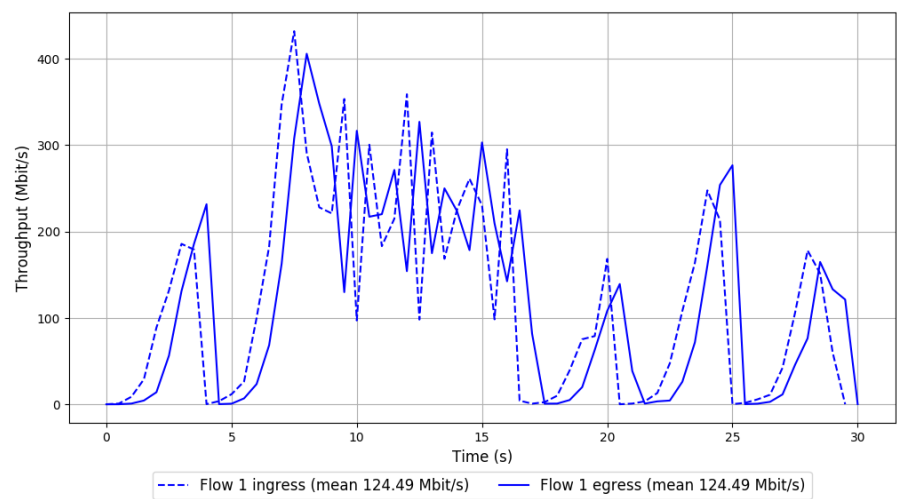


Run 10: Statistics of Verus

Start at: 2018-05-31 09:19:10
End at: 2018-05-31 09:19:40
Local clock offset: -0.162 ms
Remote clock offset: -0.197 ms

Below is generated by plot.py at 2018-05-31 10:43:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 124.49 Mbit/s
95th percentile per-packet one-way delay: 149.042 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 124.49 Mbit/s
95th percentile per-packet one-way delay: 149.042 ms
Loss rate: 0.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-05-31 05:57:51

End at: 2018-05-31 05:58:21

Local clock offset: -0.245 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-05-31 10:45:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 335.48 Mbit/s

95th percentile per-packet one-way delay: 135.940 ms

Loss rate: 0.00%

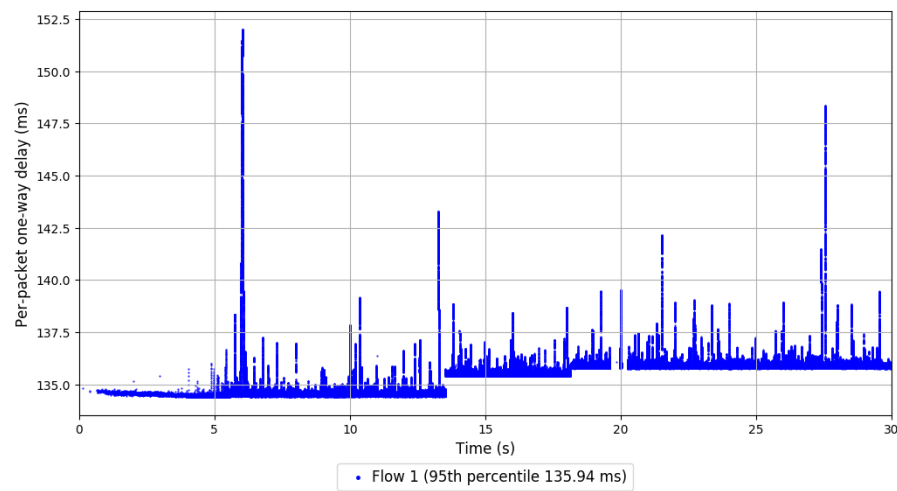
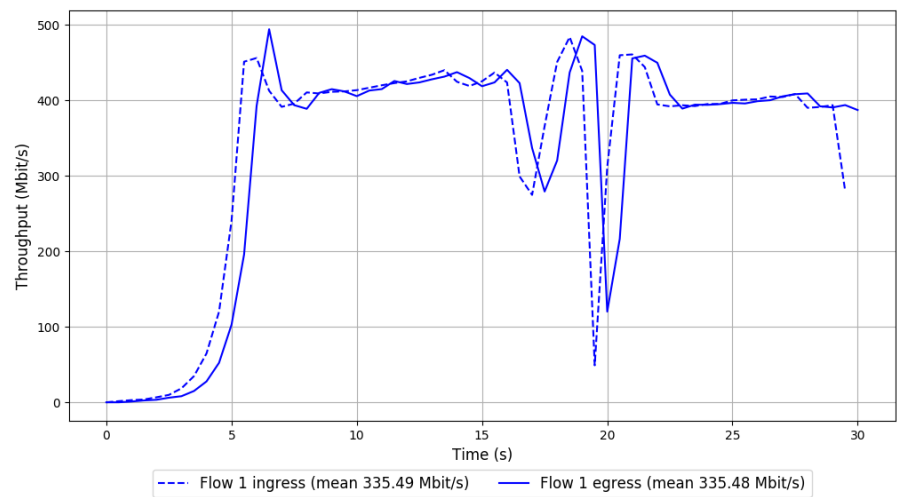
-- Flow 1:

Average throughput: 335.48 Mbit/s

95th percentile per-packet one-way delay: 135.940 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-05-31 06:19:05

End at: 2018-05-31 06:19:35

Local clock offset: 5.773 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-05-31 10:45:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 349.96 Mbit/s

95th percentile per-packet one-way delay: 131.019 ms

Loss rate: 0.00%

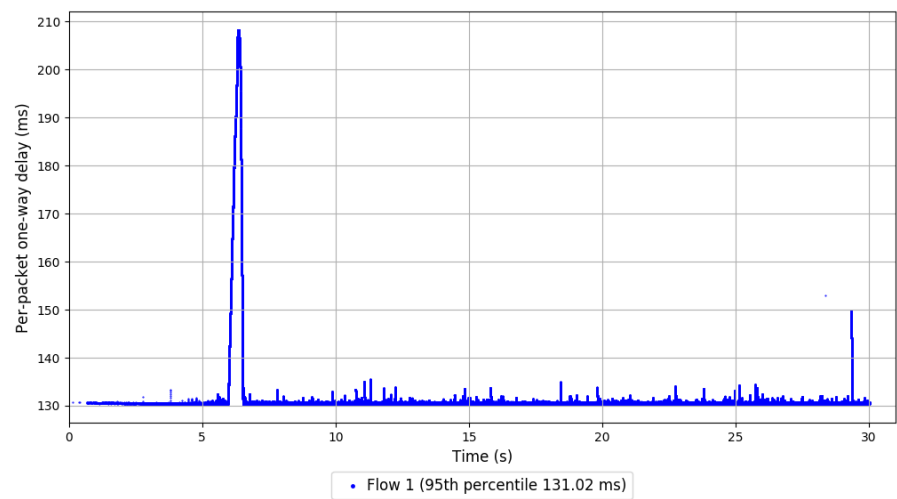
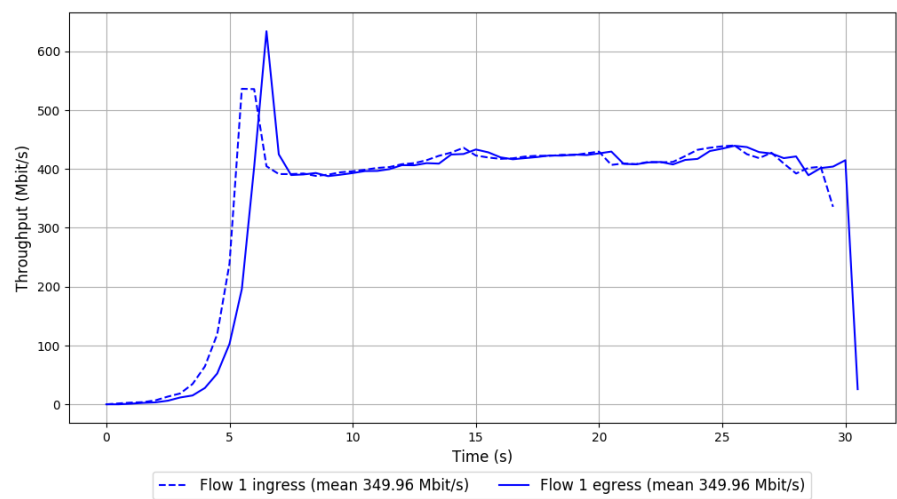
-- Flow 1:

Average throughput: 349.96 Mbit/s

95th percentile per-packet one-way delay: 131.019 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-05-31 06:40:24

End at: 2018-05-31 06:40:54

Local clock offset: 4.45 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-05-31 10:45:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 317.30 Mbit/s

95th percentile per-packet one-way delay: 131.428 ms

Loss rate: 0.00%

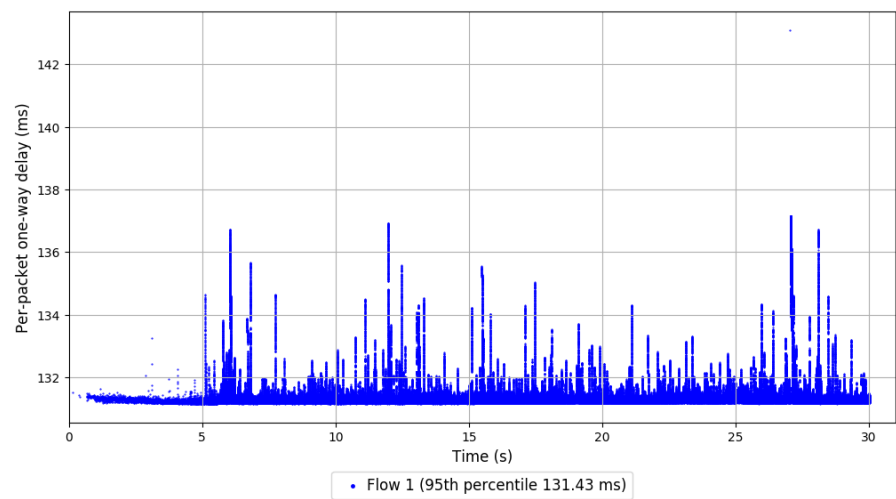
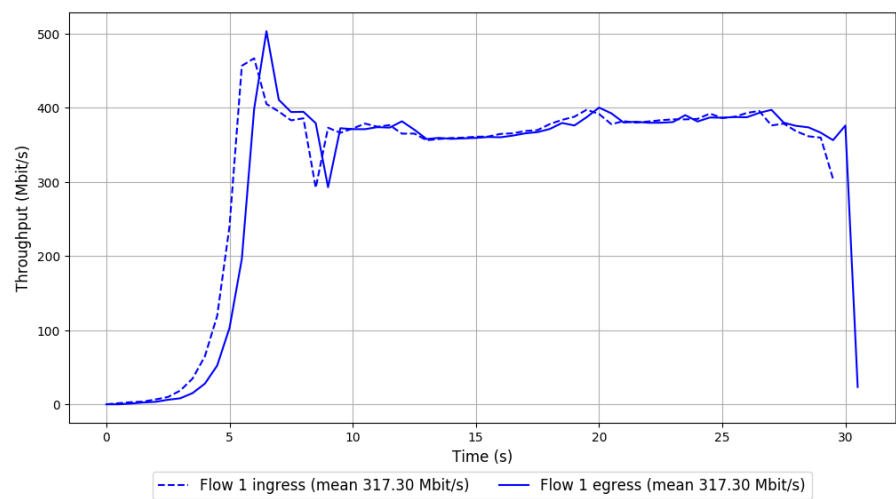
-- Flow 1:

Average throughput: 317.30 Mbit/s

95th percentile per-packet one-way delay: 131.428 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-05-31 07:01:50

End at: 2018-05-31 07:02:20

Local clock offset: 0.066 ms

Remote clock offset: -0.393 ms

Below is generated by plot.py at 2018-05-31 10:45:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 271.87 Mbit/s

95th percentile per-packet one-way delay: 135.930 ms

Loss rate: 0.00%

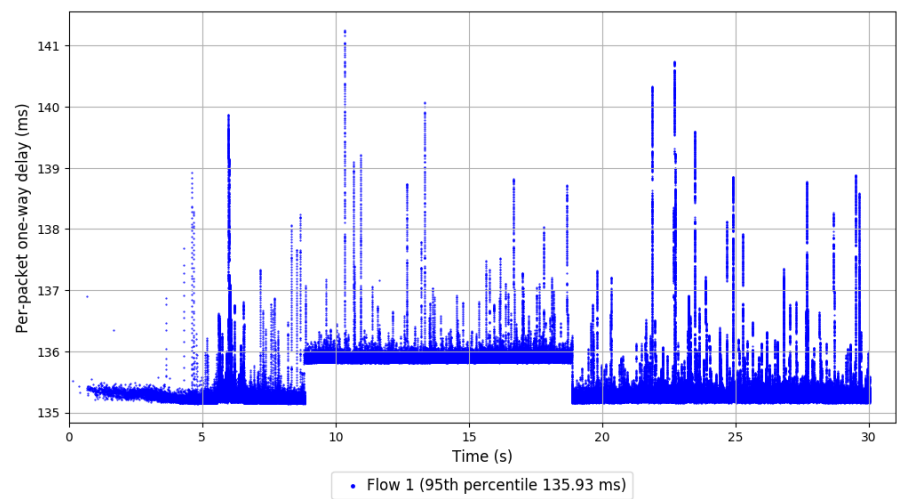
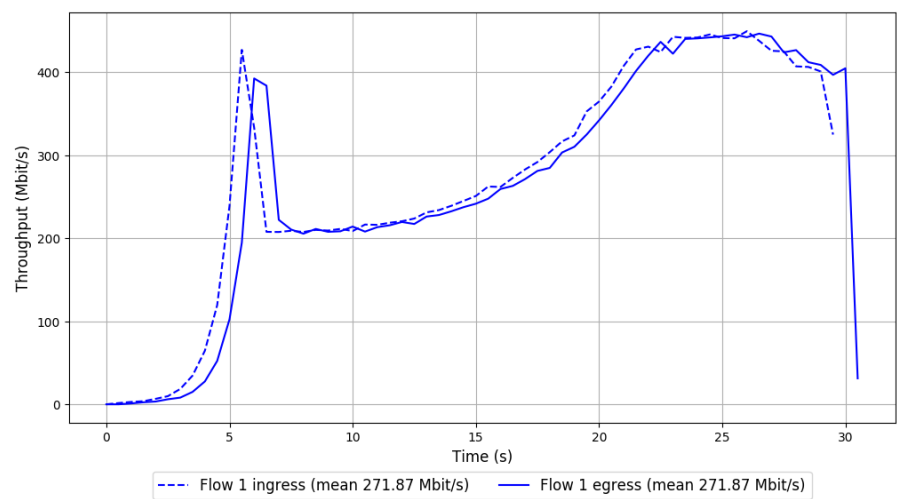
-- Flow 1:

Average throughput: 271.87 Mbit/s

95th percentile per-packet one-way delay: 135.930 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-05-31 07:23:27

End at: 2018-05-31 07:23:57

Local clock offset: -0.38 ms

Remote clock offset: -0.361 ms

Below is generated by plot.py at 2018-05-31 10:46:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 328.41 Mbit/s

95th percentile per-packet one-way delay: 135.963 ms

Loss rate: 0.00%

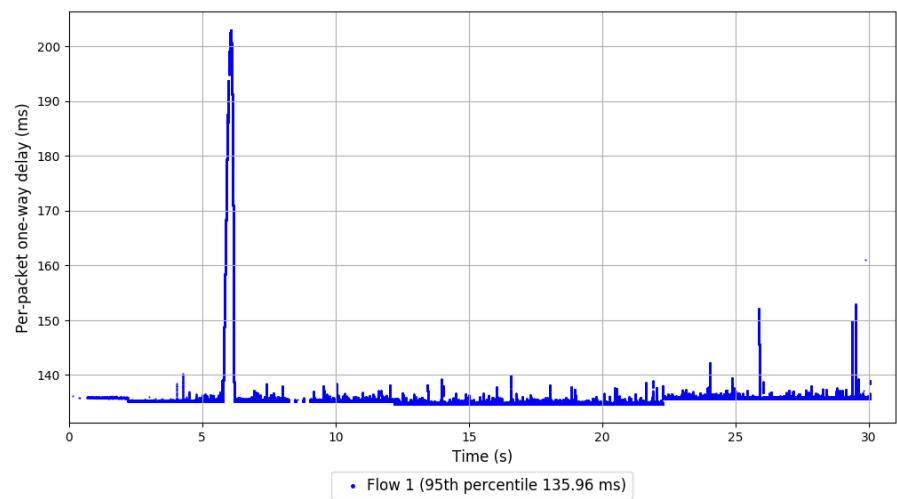
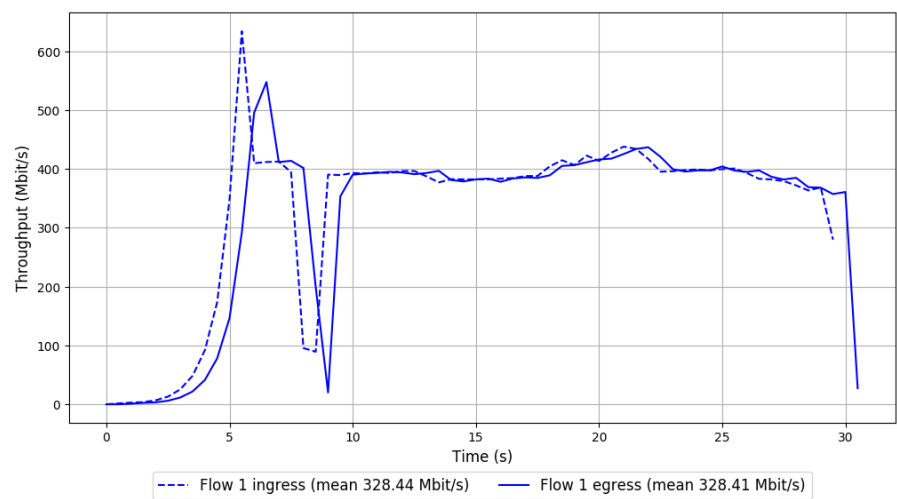
-- Flow 1:

Average throughput: 328.41 Mbit/s

95th percentile per-packet one-way delay: 135.963 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

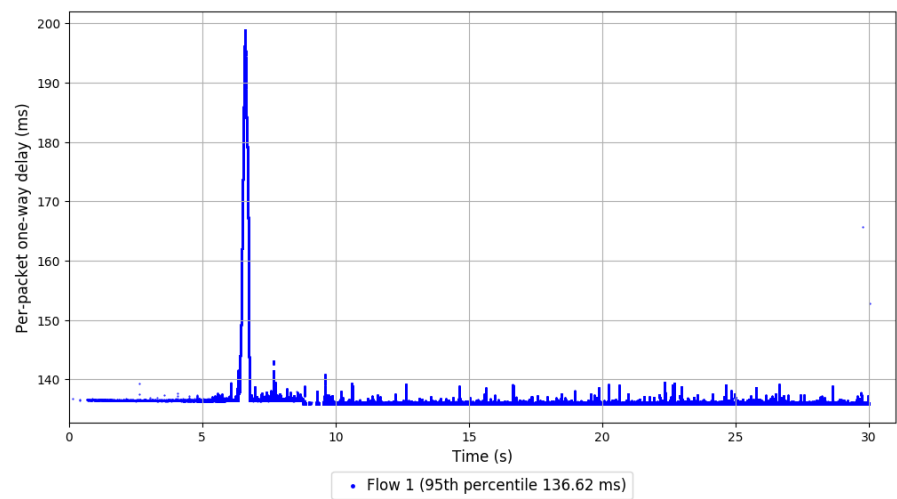
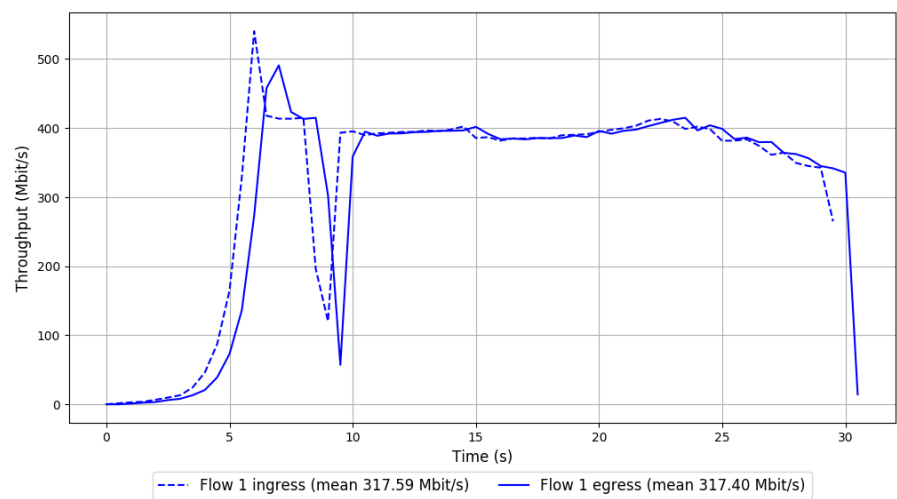


Run 6: Statistics of PCC-Vivace

Start at: 2018-05-31 07:45:00
End at: 2018-05-31 07:45:30
Local clock offset: -0.338 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-05-31 10:46:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 317.40 Mbit/s
95th percentile per-packet one-way delay: 136.621 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 317.40 Mbit/s
95th percentile per-packet one-way delay: 136.621 ms
Loss rate: 0.05%

Run 6: Report of PCC-Vivace — Data Link

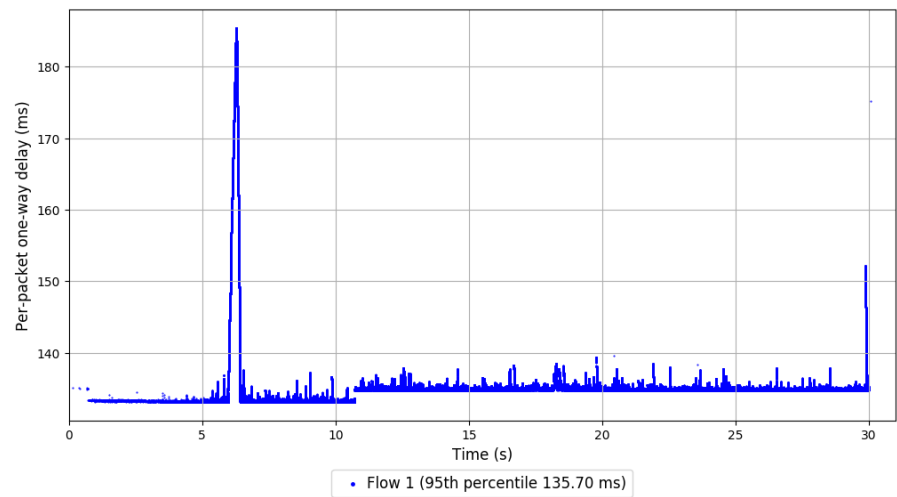
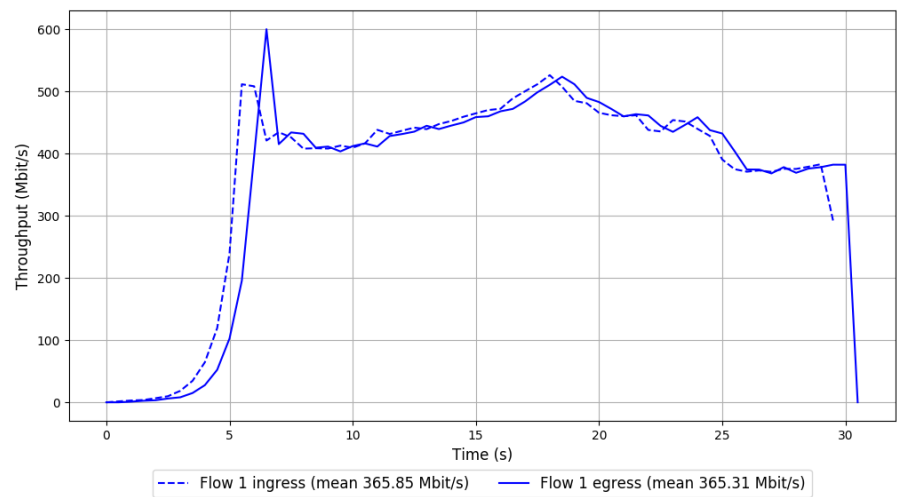


Run 7: Statistics of PCC-Vivace

Start at: 2018-05-31 08:06:38
End at: 2018-05-31 08:07:08
Local clock offset: 1.478 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-05-31 10:47:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 365.31 Mbit/s
95th percentile per-packet one-way delay: 135.703 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 365.31 Mbit/s
95th percentile per-packet one-way delay: 135.703 ms
Loss rate: 0.06%

Run 7: Report of PCC-Vivace — Data Link

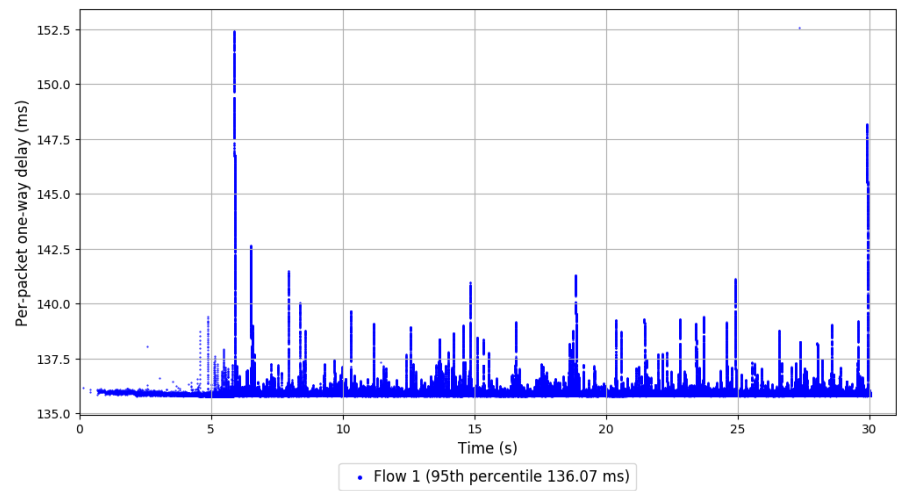
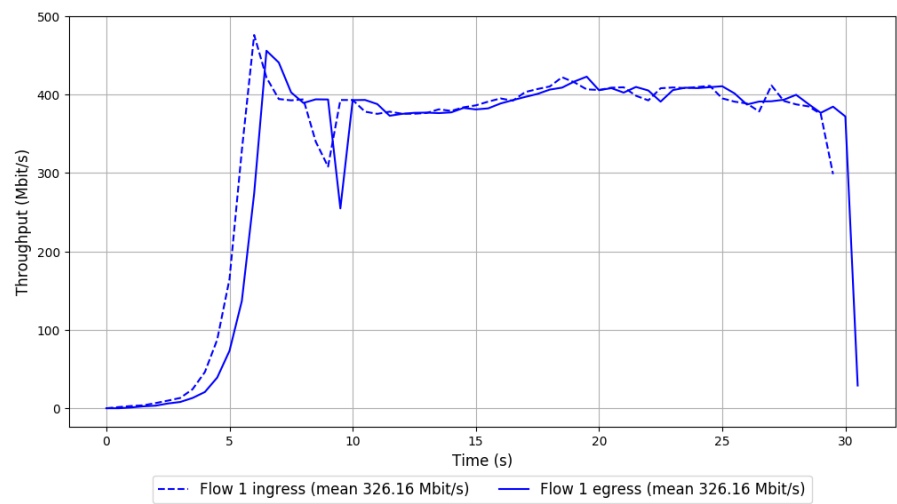


Run 8: Statistics of PCC-Vivace

Start at: 2018-05-31 08:27:48
End at: 2018-05-31 08:28:18
Local clock offset: -0.196 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-05-31 10:47:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 326.16 Mbit/s
95th percentile per-packet one-way delay: 136.067 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 326.16 Mbit/s
95th percentile per-packet one-way delay: 136.067 ms
Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-05-31 08:48:48

End at: 2018-05-31 08:49:18

Local clock offset: -0.16 ms

Remote clock offset: -0.146 ms

Below is generated by plot.py at 2018-05-31 10:48:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 351.41 Mbit/s

95th percentile per-packet one-way delay: 136.529 ms

Loss rate: 0.05%

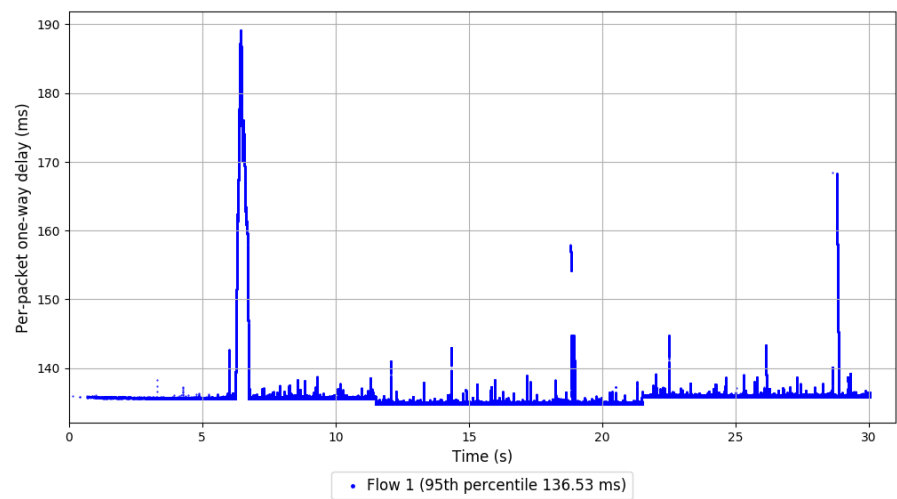
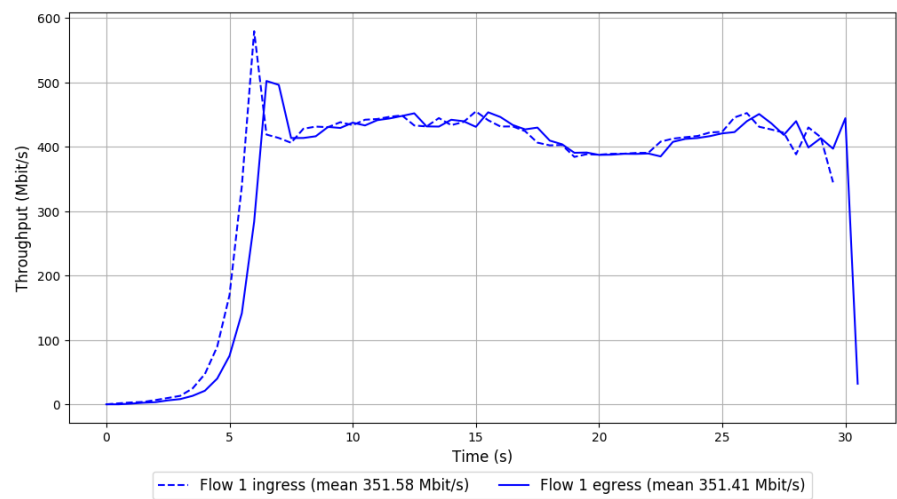
-- Flow 1:

Average throughput: 351.41 Mbit/s

95th percentile per-packet one-way delay: 136.529 ms

Loss rate: 0.05%

Run 9: Report of PCC-Vivace — Data Link

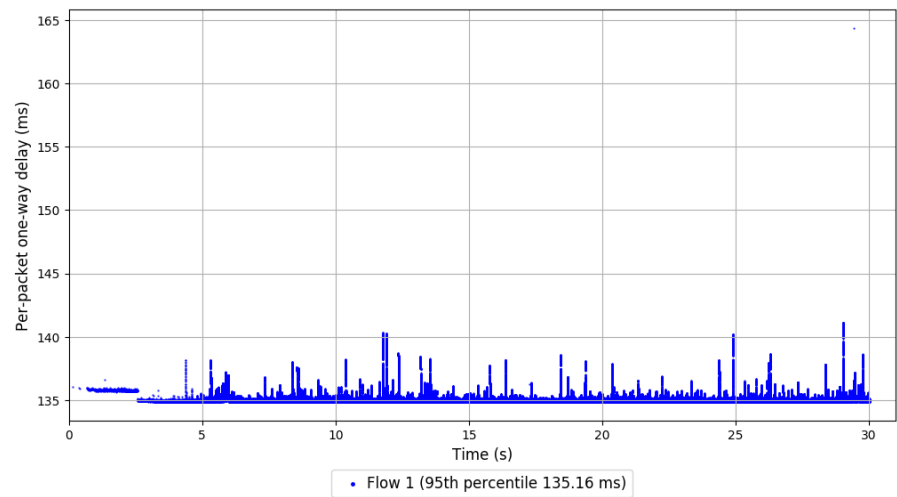
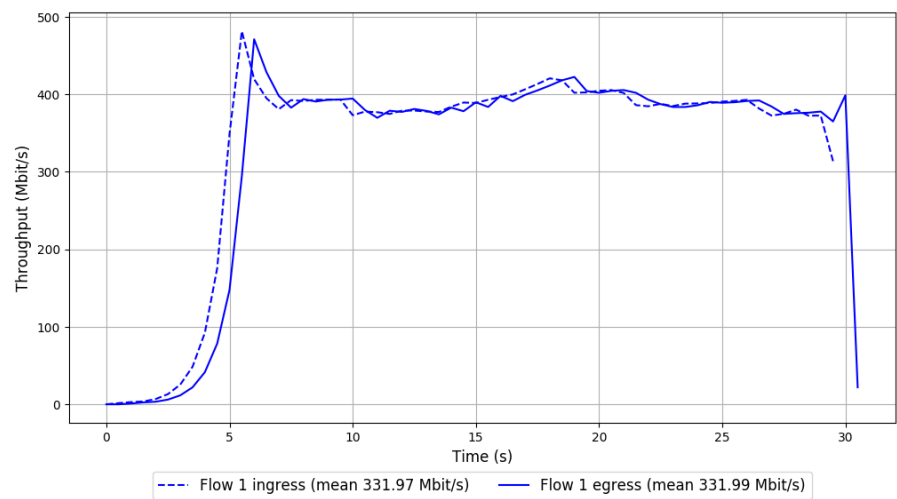


Run 10: Statistics of PCC-Vivace

Start at: 2018-05-31 09:10:17
End at: 2018-05-31 09:10:47
Local clock offset: -0.112 ms
Remote clock offset: -0.173 ms

Below is generated by plot.py at 2018-05-31 10:48:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 331.99 Mbit/s
95th percentile per-packet one-way delay: 135.161 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 331.99 Mbit/s
95th percentile per-packet one-way delay: 135.161 ms
Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

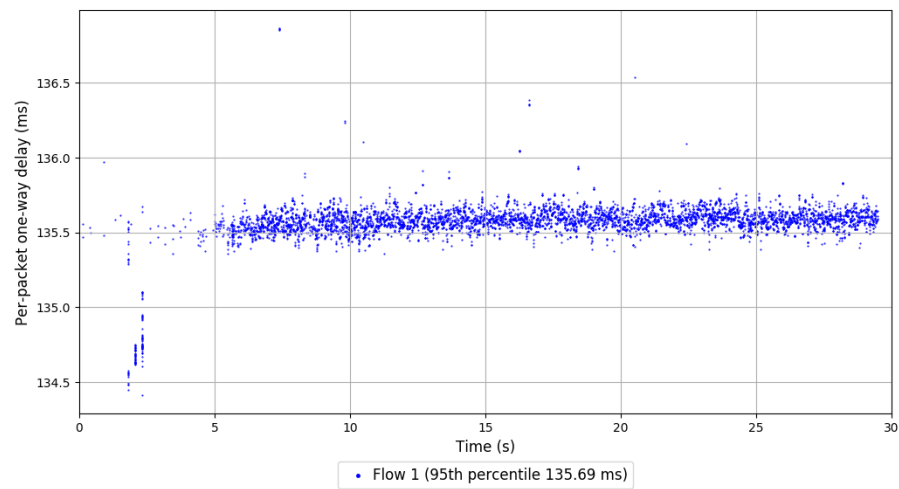
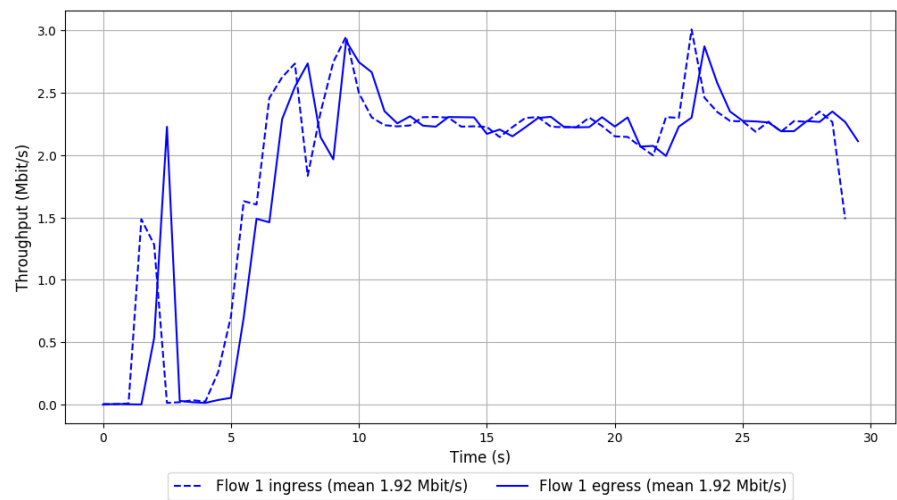


Run 1: Statistics of WebRTC media

Start at: 2018-05-31 05:56:42
End at: 2018-05-31 05:57:12
Local clock offset: -0.225 ms
Remote clock offset: -0.382 ms

Below is generated by plot.py at 2018-05-31 10:48:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 135.689 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 135.689 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-05-31 06:17:56

End at: 2018-05-31 06:18:26

Local clock offset: 5.899 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-05-31 10:48:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.83 Mbit/s

95th percentile per-packet one-way delay: 130.612 ms

Loss rate: 0.00%

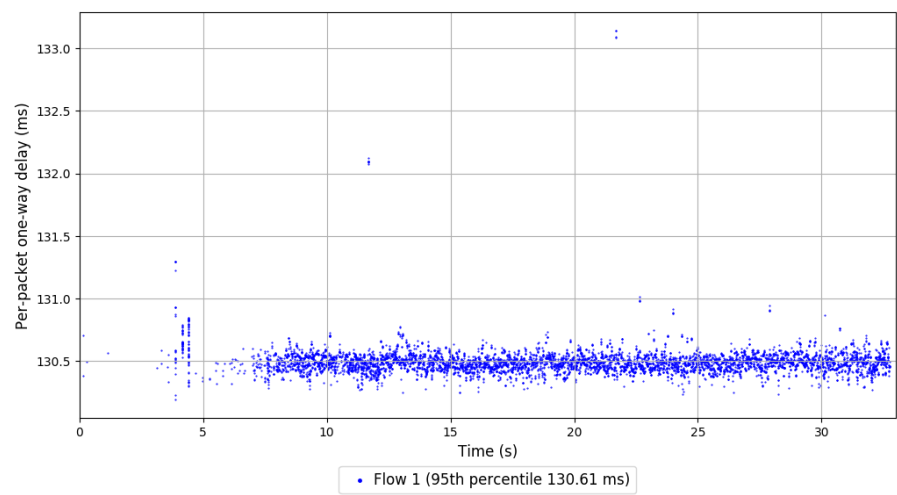
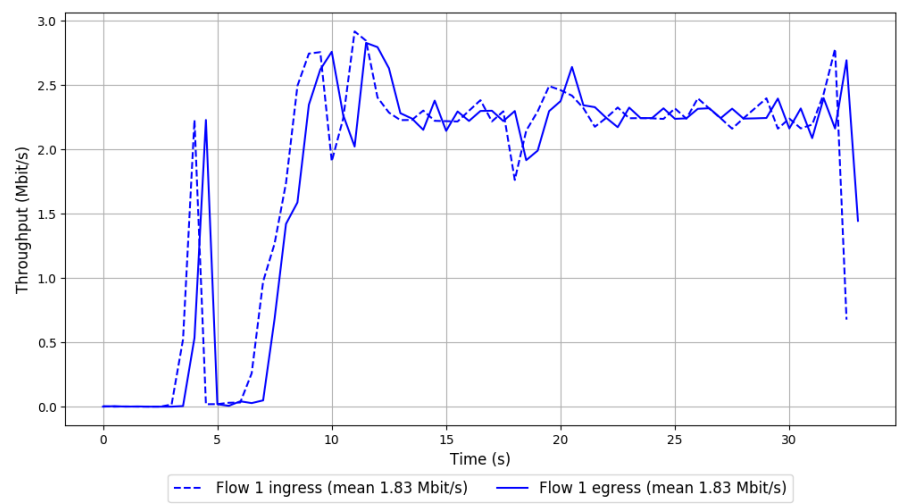
-- Flow 1:

Average throughput: 1.83 Mbit/s

95th percentile per-packet one-way delay: 130.612 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-05-31 06:39:15

End at: 2018-05-31 06:39:45

Local clock offset: 6.148 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-05-31 10:48:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.83 Mbit/s

95th percentile per-packet one-way delay: 129.800 ms

Loss rate: 0.00%

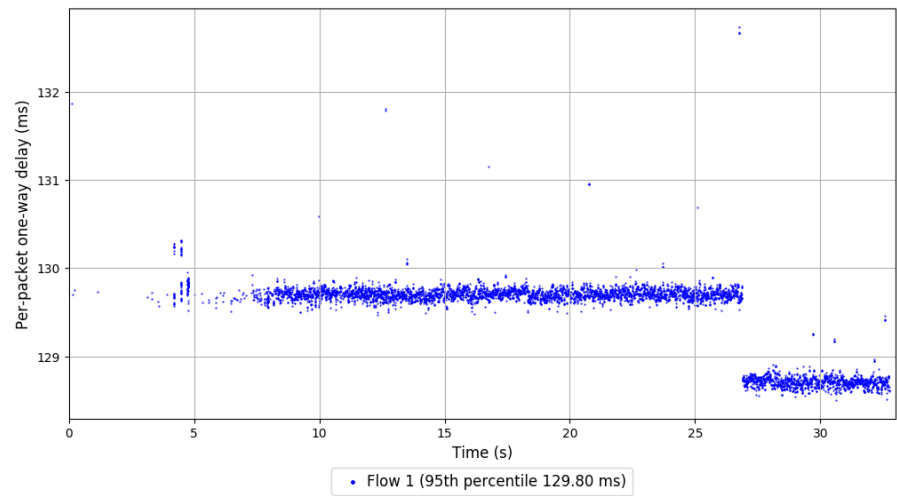
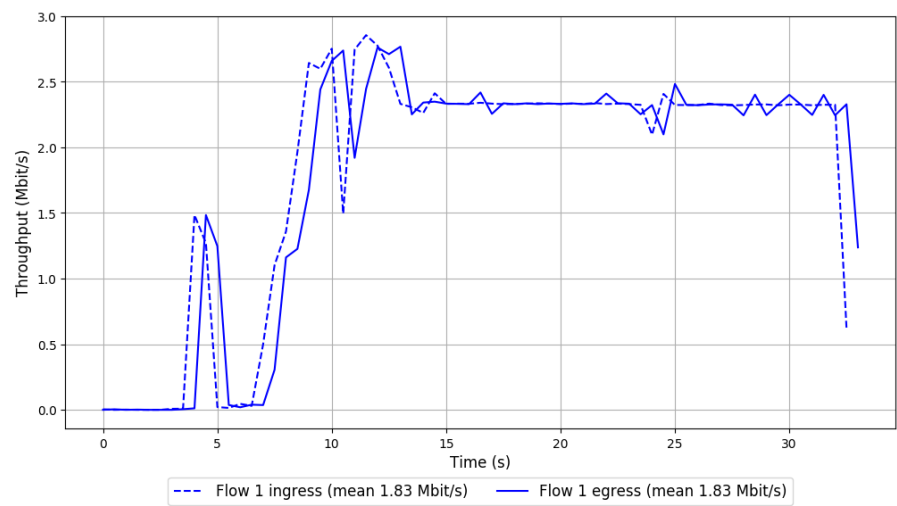
-- Flow 1:

Average throughput: 1.83 Mbit/s

95th percentile per-packet one-way delay: 129.800 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-05-31 07:00:41

End at: 2018-05-31 07:01:11

Local clock offset: -0.095 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-05-31 10:48:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 136.070 ms

Loss rate: 0.00%

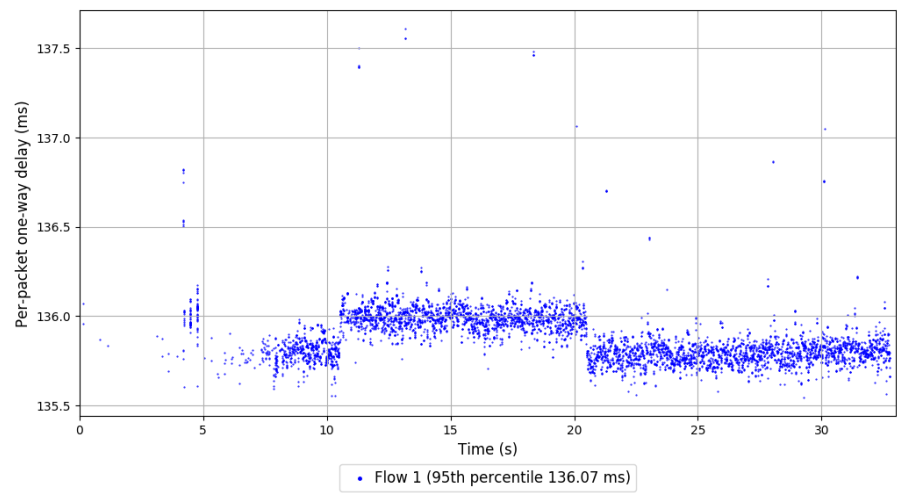
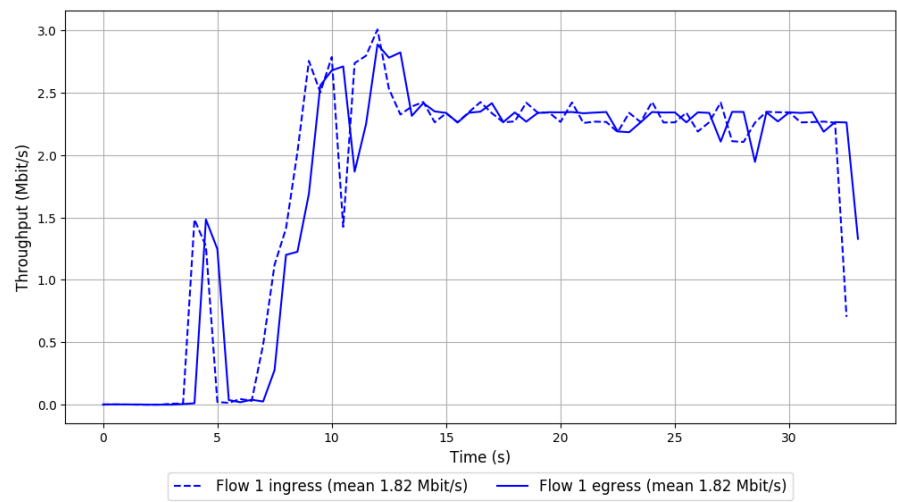
-- Flow 1:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 136.070 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

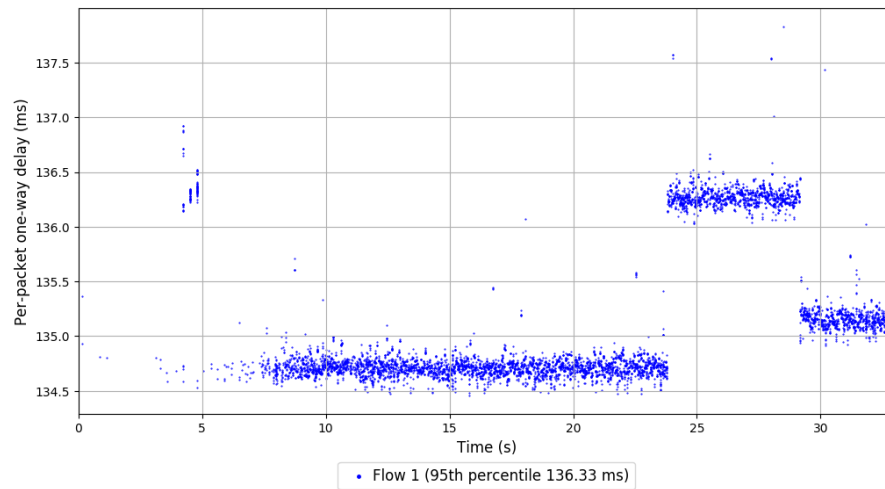
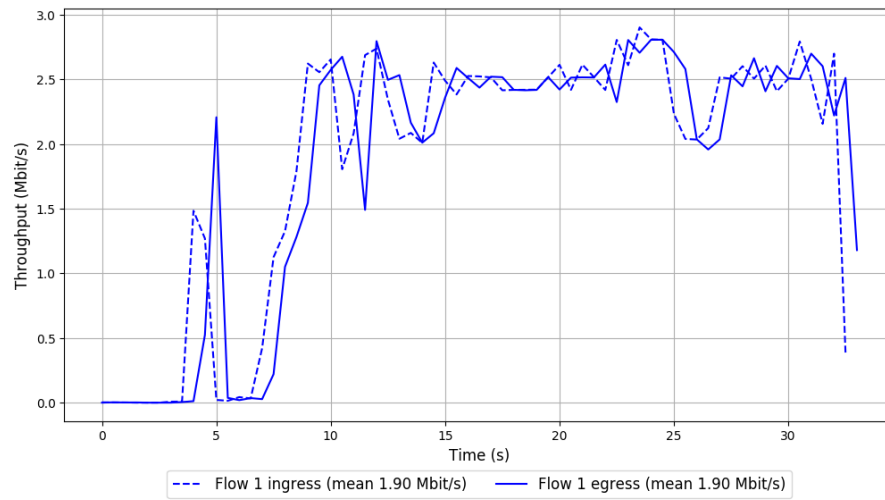


Run 5: Statistics of WebRTC media

Start at: 2018-05-31 07:22:18
End at: 2018-05-31 07:22:48
Local clock offset: -0.178 ms
Remote clock offset: -0.364 ms

Below is generated by plot.py at 2018-05-31 10:48:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 136.326 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 136.326 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

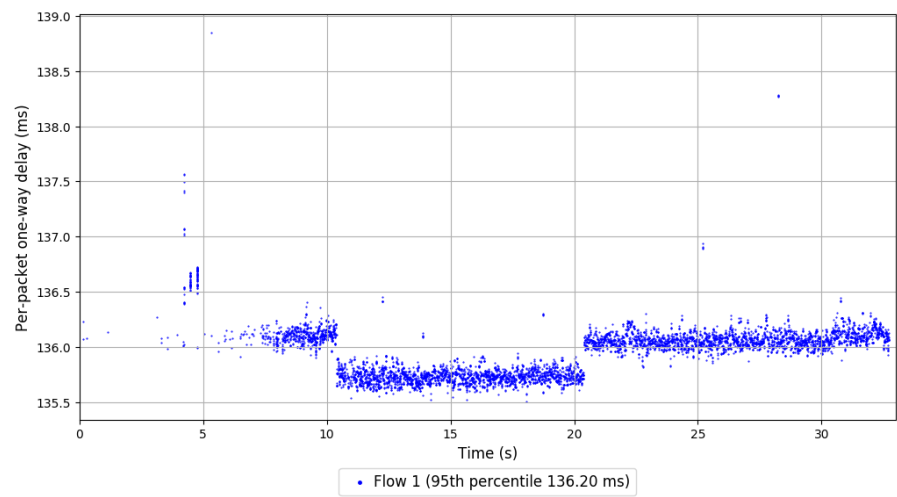
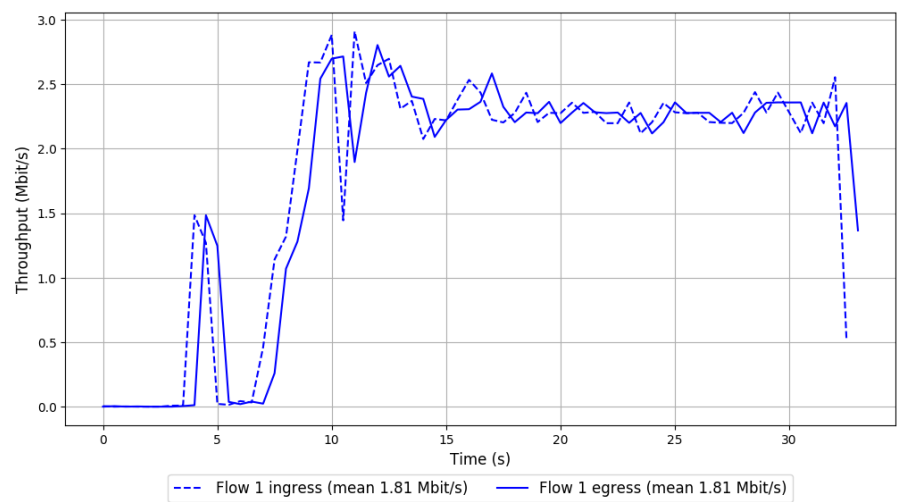


Run 6: Statistics of WebRTC media

Start at: 2018-05-31 07:43:51
End at: 2018-05-31 07:44:21
Local clock offset: -0.186 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-05-31 10:48:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 136.198 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 136.198 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

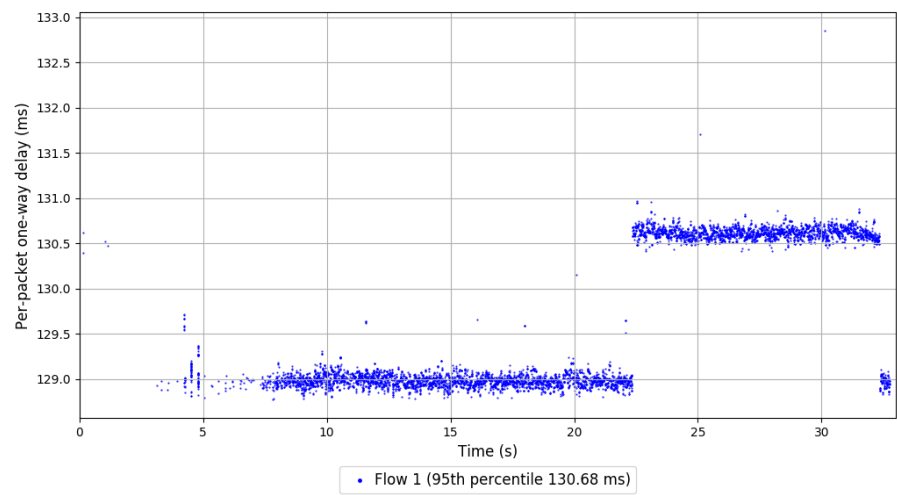
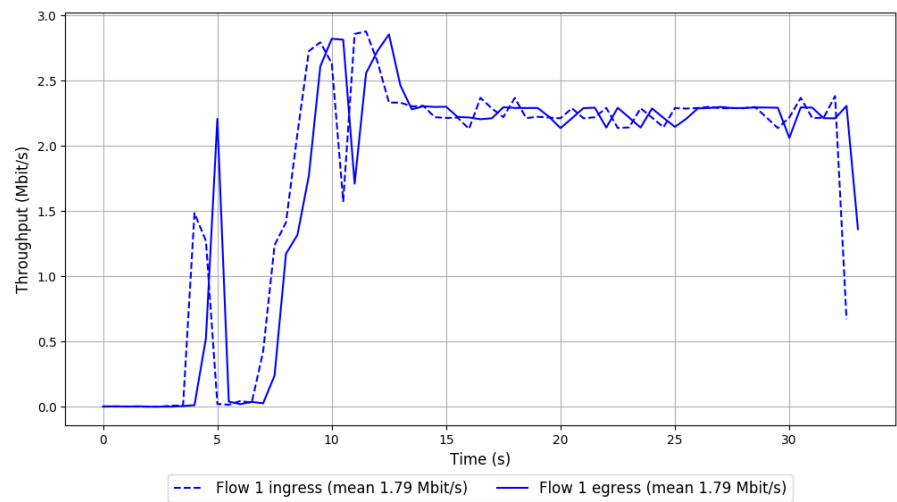


Run 7: Statistics of WebRTC media

Start at: 2018-05-31 08:05:30
End at: 2018-05-31 08:06:00
Local clock offset: 5.851 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-05-31 10:48:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.79 Mbit/s
95th percentile per-packet one-way delay: 130.682 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.79 Mbit/s
95th percentile per-packet one-way delay: 130.682 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

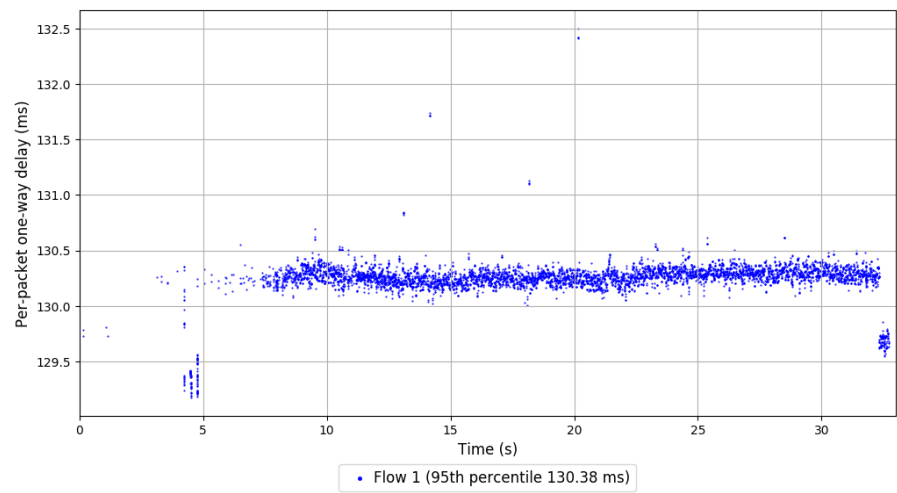
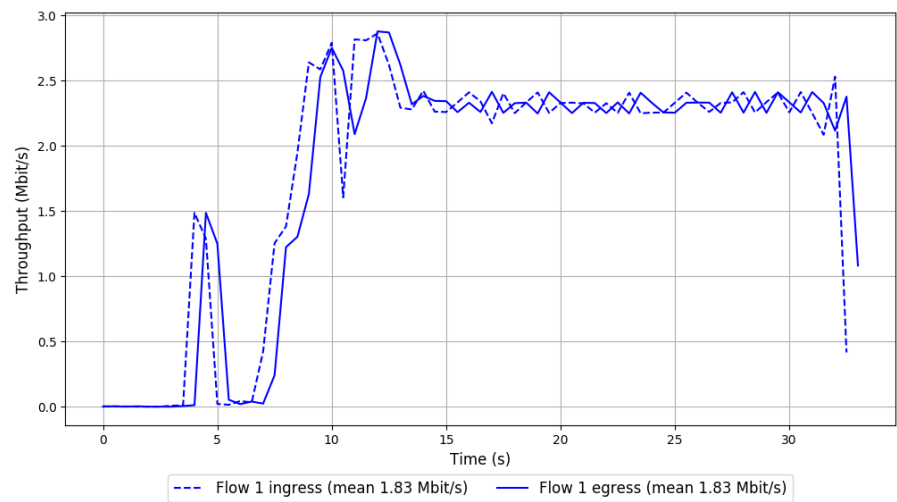


Run 8: Statistics of WebRTC media

Start at: 2018-05-31 08:26:40
End at: 2018-05-31 08:27:10
Local clock offset: 5.602 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-05-31 10:48:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 130.380 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 130.380 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

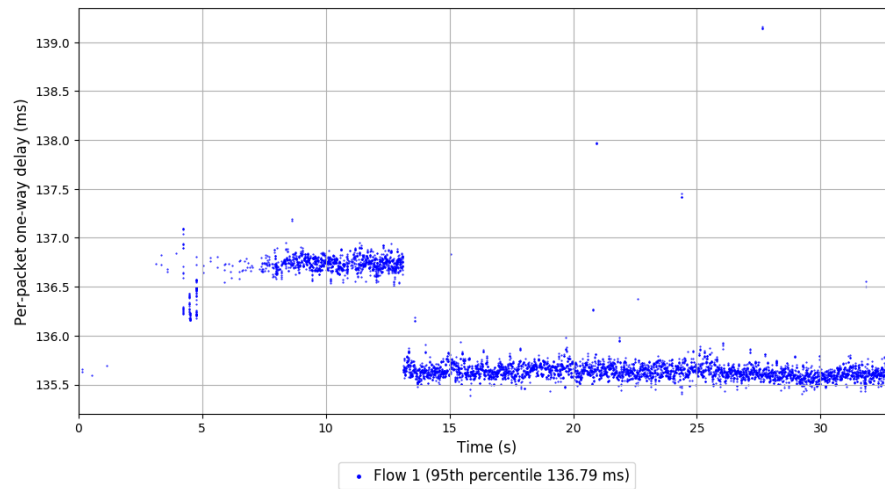
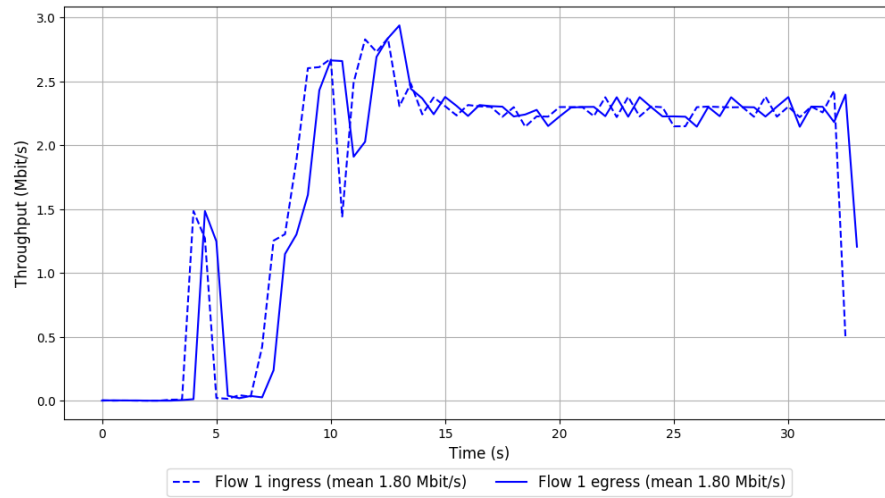


Run 9: Statistics of WebRTC media

Start at: 2018-05-31 08:47:39
End at: 2018-05-31 08:48:09
Local clock offset: -0.321 ms
Remote clock offset: -0.146 ms

Below is generated by plot.py at 2018-05-31 10:48:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 136.790 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 136.790 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-31 09:09:08

End at: 2018-05-31 09:09:38

Local clock offset: -0.31 ms

Remote clock offset: -0.158 ms

Below is generated by plot.py at 2018-05-31 10:48:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 136.244 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 136.244 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

