

Pantheon Report

Generated at 2018-05-25 02:55:30 (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.

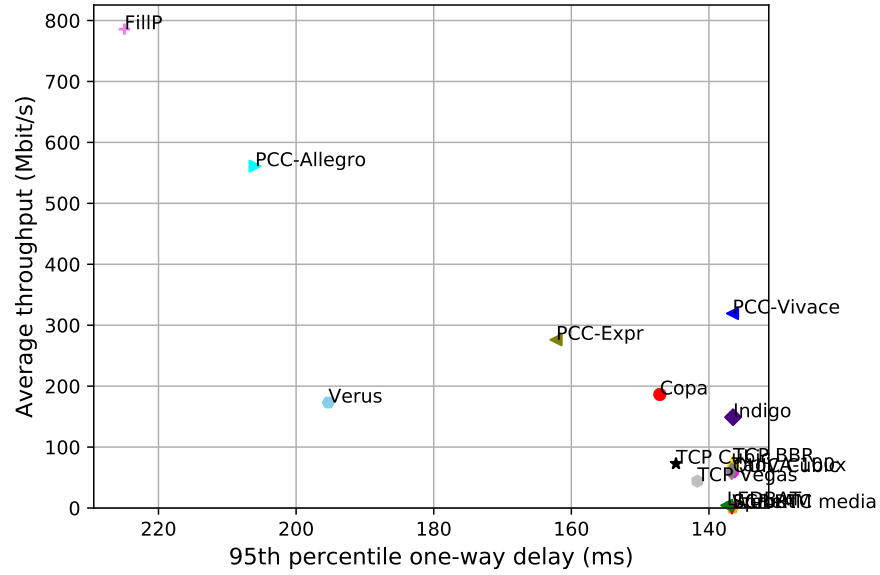
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

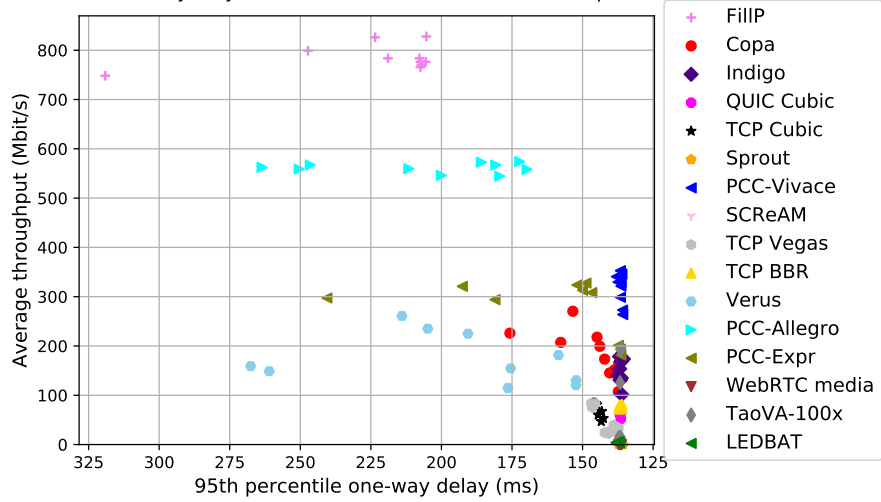
Git summary:

```
branch: master @ 0088822873ea99180f63545a341ef069f40efe59
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
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
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	75.87	136.52	0.00
Copa	10	186.33	147.14	0.00
TCP Cubic	10	72.76	144.79	0.00
FillP	10	785.77	224.94	2.17
Indigo	10	149.02	136.50	0.00
LEDBAT	10	4.36	137.41	0.06
PCC-Allegro	10	561.06	205.96	1.02
PCC-Expr	10	276.08	162.22	0.07
QUIC Cubic	3	59.15	136.56	0.00
SCReAM	10	0.22	136.57	0.00
Sprout	10	0.16	136.57	0.00
TaoVA-100x	10	60.53	136.68	0.00
TCP Vegas	10	44.12	141.69	0.00
Verus	10	173.09	195.32	0.34
PCC-Vivace	10	319.26	136.58	0.02
WebRTC media	10	0.05	136.66	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-05-24 22:10:33

End at: 2018-05-24 22:11:03

Local clock offset: -0.286 ms

Remote clock offset: -0.584 ms

Below is generated by plot.py at 2018-05-25 01:43:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.31 Mbit/s

95th percentile per-packet one-way delay: 136.039 ms

Loss rate: 0.00%

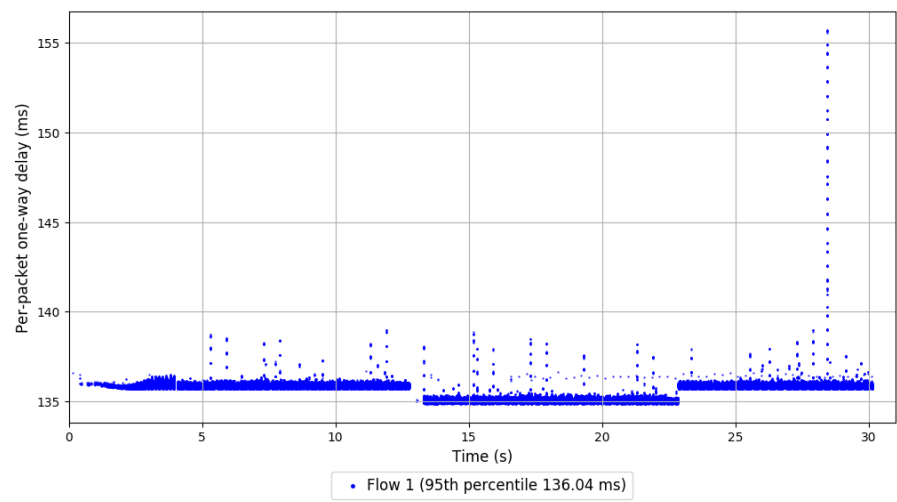
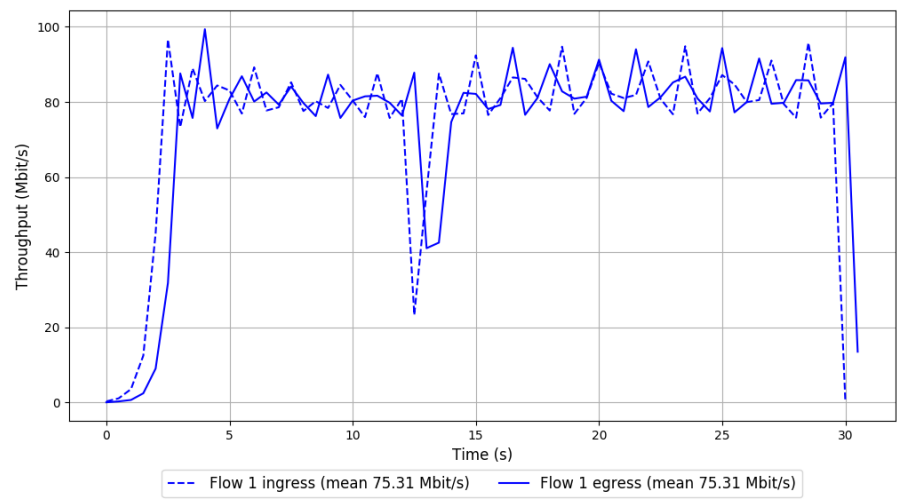
-- Flow 1:

Average throughput: 75.31 Mbit/s

95th percentile per-packet one-way delay: 136.039 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

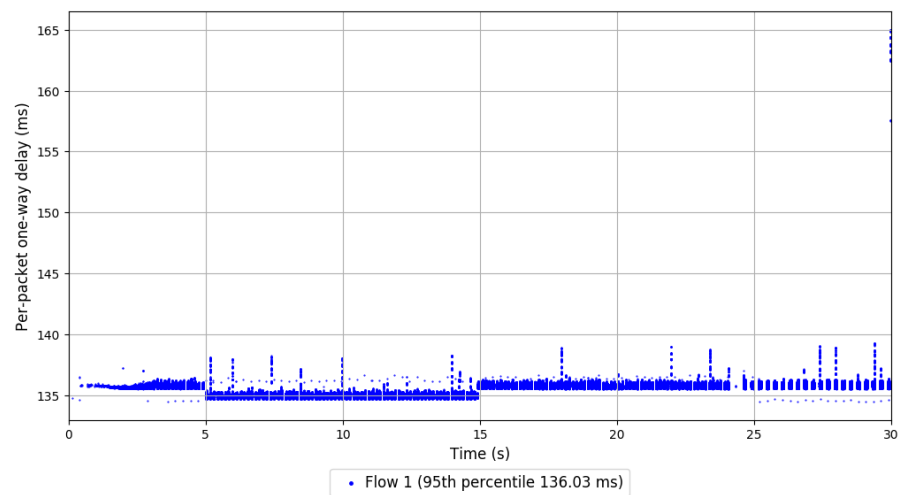
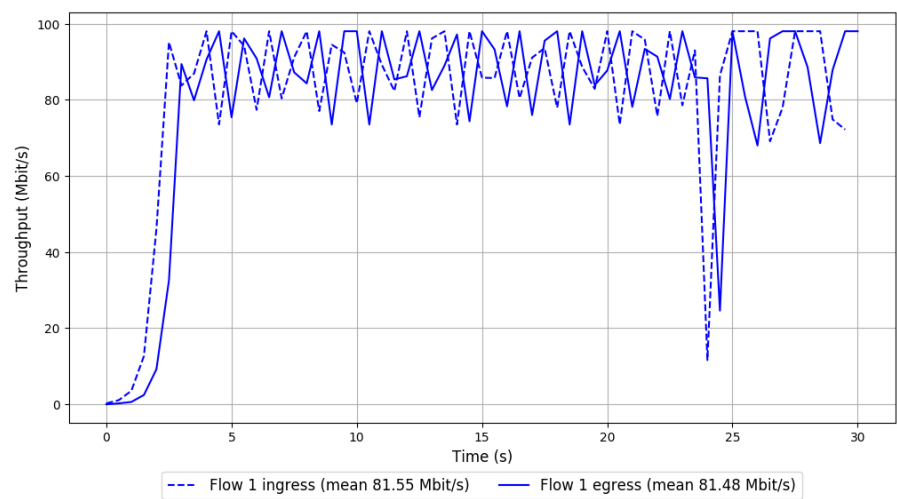


Run 2: Statistics of TCP BBR

Start at: 2018-05-24 22:32:01
End at: 2018-05-24 22:32:31
Local clock offset: -0.258 ms
Remote clock offset: -0.596 ms

Below is generated by plot.py at 2018-05-25 01:43:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.48 Mbit/s
95th percentile per-packet one-way delay: 136.028 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 81.48 Mbit/s
95th percentile per-packet one-way delay: 136.028 ms
Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link

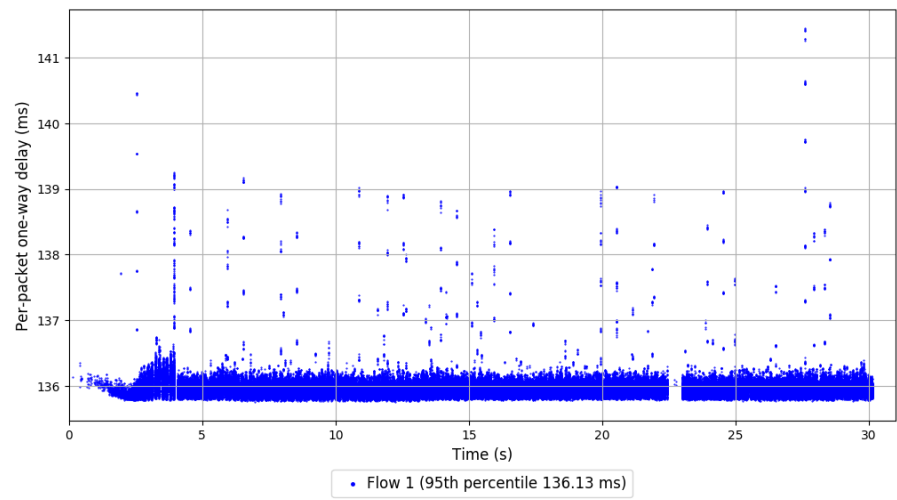
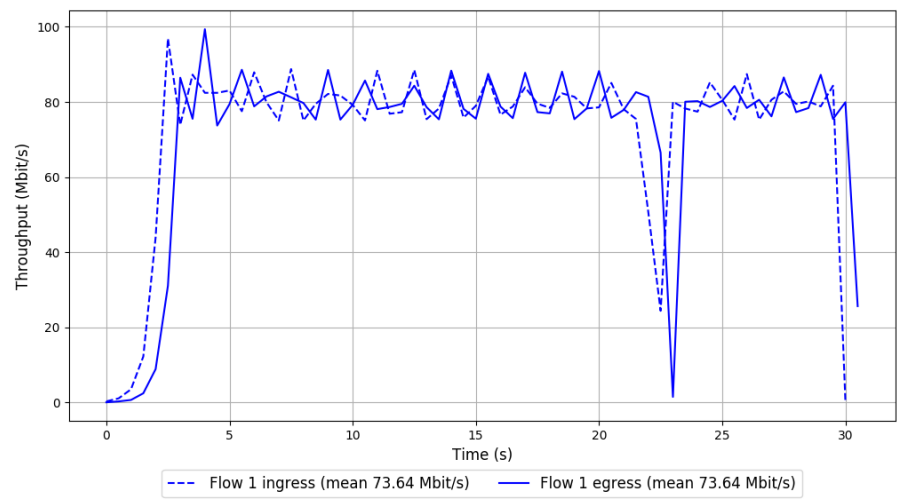


Run 3: Statistics of TCP BBR

Start at: 2018-05-24 22:52:54
End at: 2018-05-24 22:53:24
Local clock offset: -0.062 ms
Remote clock offset: -0.209 ms

Below is generated by plot.py at 2018-05-25 01:43:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.64 Mbit/s
95th percentile per-packet one-way delay: 136.133 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.64 Mbit/s
95th percentile per-packet one-way delay: 136.133 ms
Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link

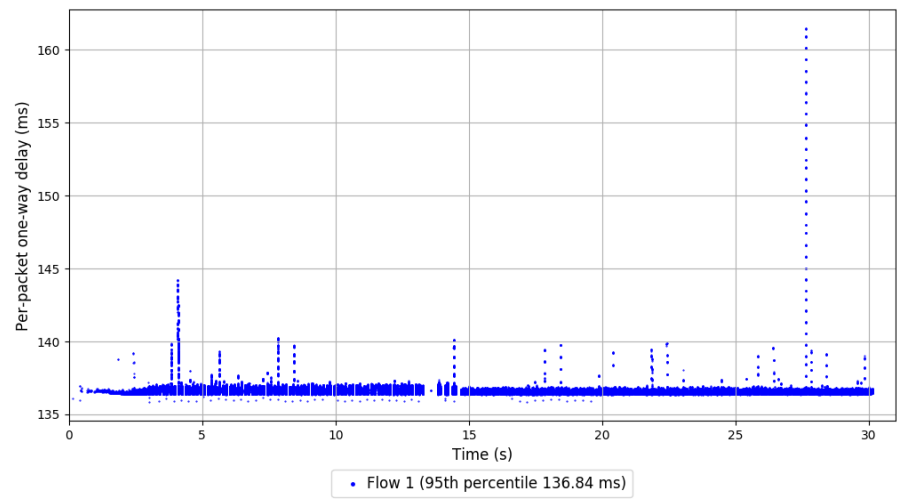
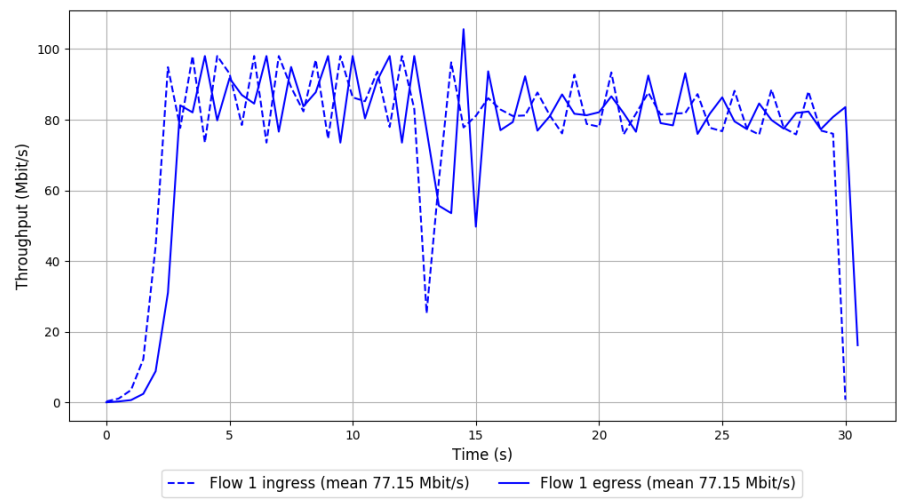


Run 4: Statistics of TCP BBR

Start at: 2018-05-24 23:14:10
End at: 2018-05-24 23:14:40
Local clock offset: 0.056 ms
Remote clock offset: -0.295 ms

Below is generated by plot.py at 2018-05-25 01:43:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.15 Mbit/s
95th percentile per-packet one-way delay: 136.841 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.15 Mbit/s
95th percentile per-packet one-way delay: 136.841 ms
Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link

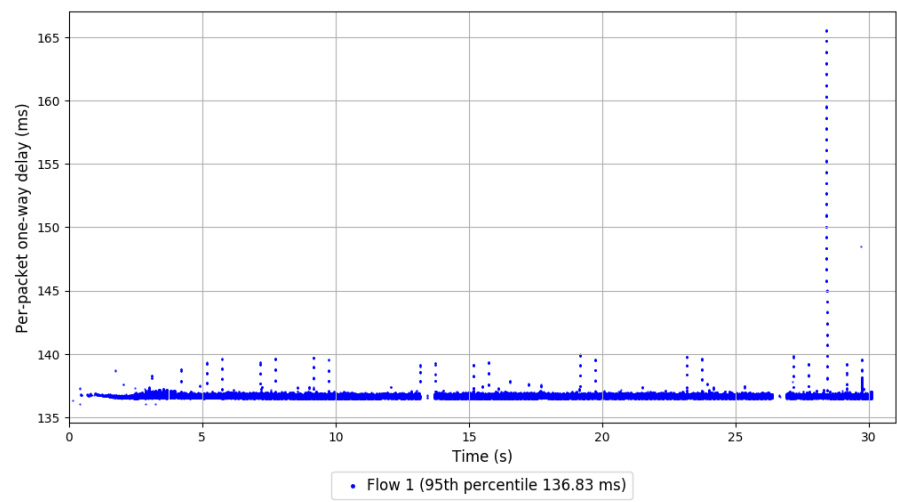
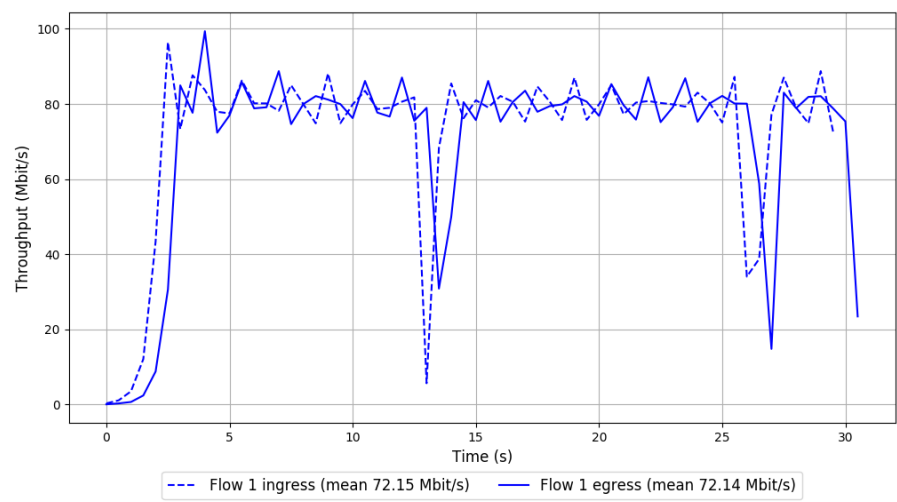


Run 5: Statistics of TCP BBR

Start at: 2018-05-24 23:35:27
End at: 2018-05-24 23:35:57
Local clock offset: -0.008 ms
Remote clock offset: -0.195 ms

Below is generated by plot.py at 2018-05-25 01:43:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.14 Mbit/s
95th percentile per-packet one-way delay: 136.828 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 72.14 Mbit/s
95th percentile per-packet one-way delay: 136.828 ms
Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link

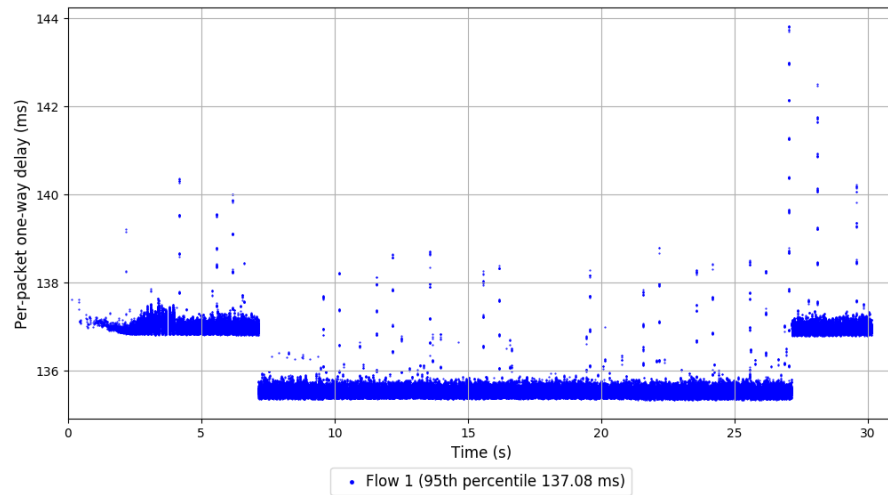
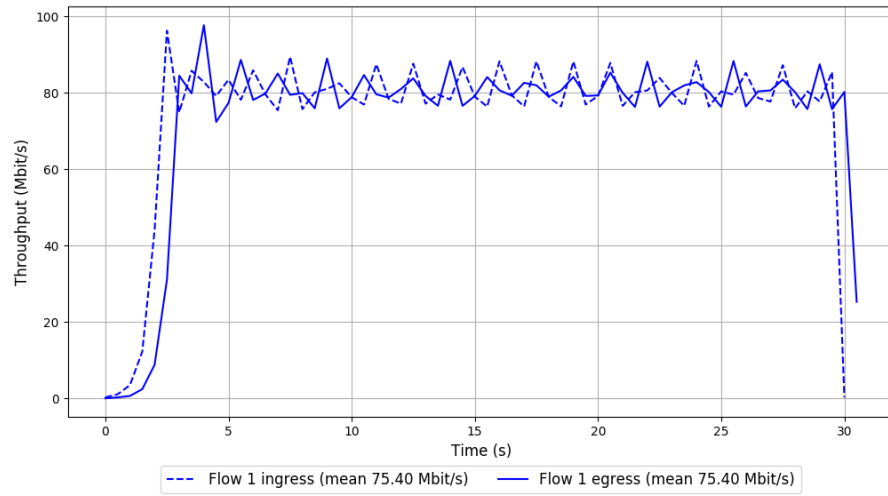


Run 6: Statistics of TCP BBR

Start at: 2018-05-24 23:57:29
End at: 2018-05-24 23:57:59
Local clock offset: -0.258 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-05-25 01:43:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.40 Mbit/s
95th percentile per-packet one-way delay: 137.080 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 75.40 Mbit/s
95th percentile per-packet one-way delay: 137.080 ms
Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-05-25 00:18:50

End at: 2018-05-25 00:19:20

Local clock offset: -0.061 ms

Remote clock offset: -0.51 ms

Below is generated by plot.py at 2018-05-25 01:43:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.24 Mbit/s

95th percentile per-packet one-way delay: 136.325 ms

Loss rate: 0.00%

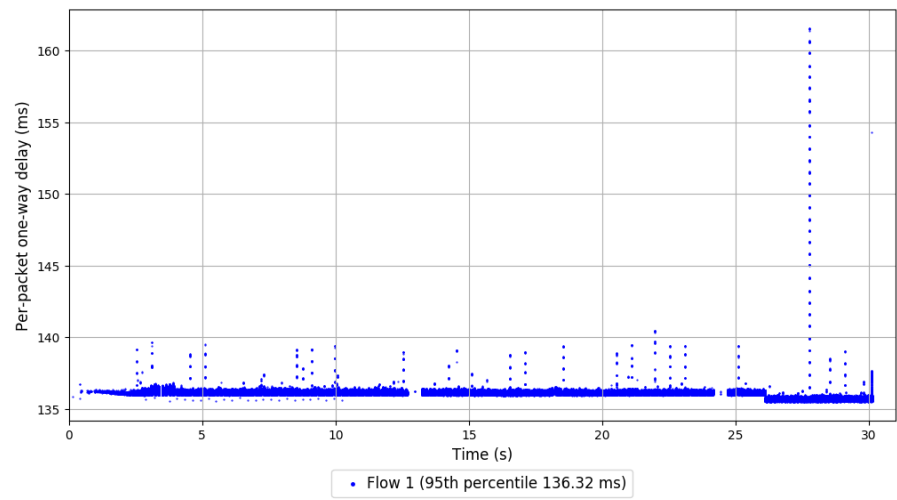
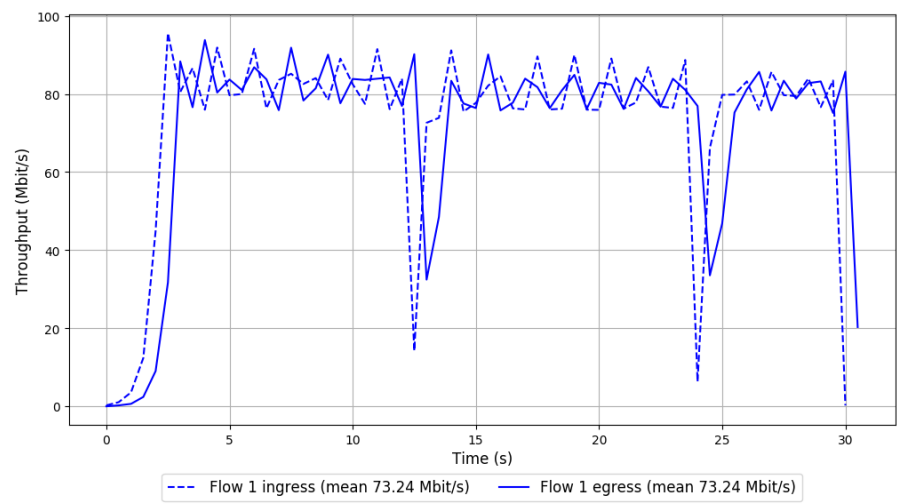
-- Flow 1:

Average throughput: 73.24 Mbit/s

95th percentile per-packet one-way delay: 136.325 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-05-25 00:40:18

End at: 2018-05-25 00:40:48

Local clock offset: -0.152 ms

Remote clock offset: 0.221 ms

Below is generated by plot.py at 2018-05-25 01:43:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.91 Mbit/s

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

Loss rate: 0.00%

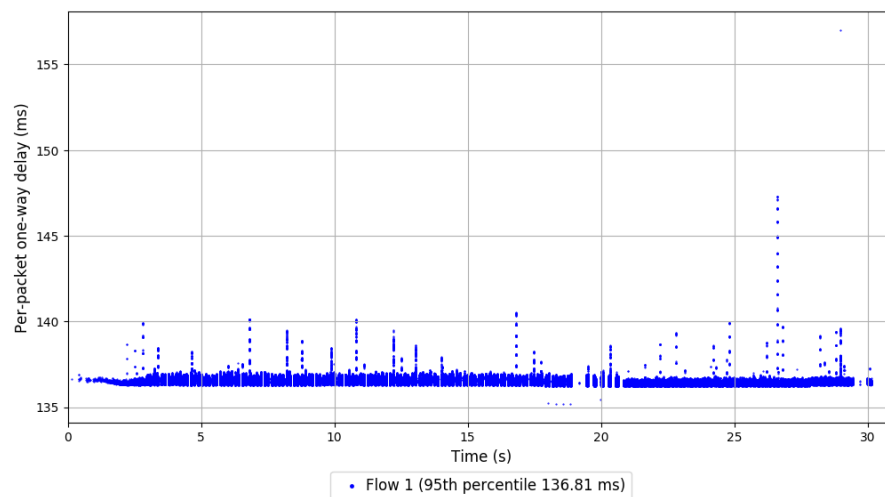
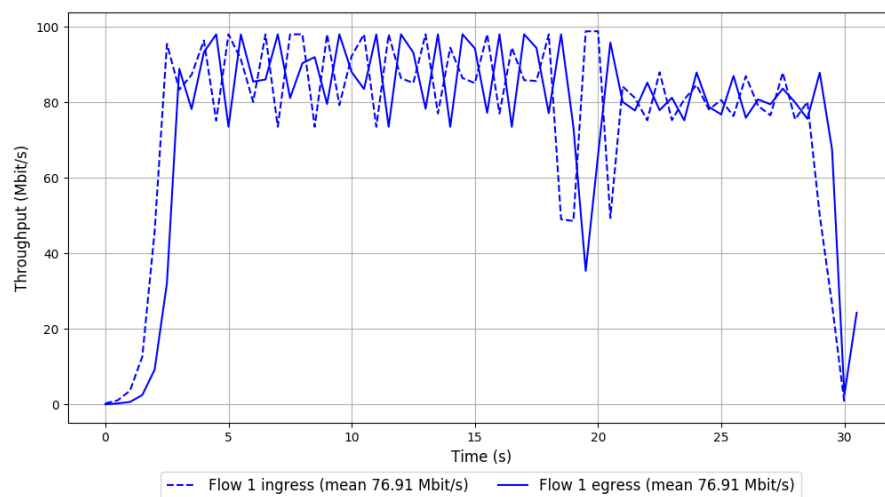
-- Flow 1:

Average throughput: 76.91 Mbit/s

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

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-05-25 01:02:38

End at: 2018-05-25 01:03:08

Local clock offset: -0.112 ms

Remote clock offset: 0.185 ms

Below is generated by plot.py at 2018-05-25 01:44:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.28 Mbit/s

95th percentile per-packet one-way delay: 136.814 ms

Loss rate: 0.00%

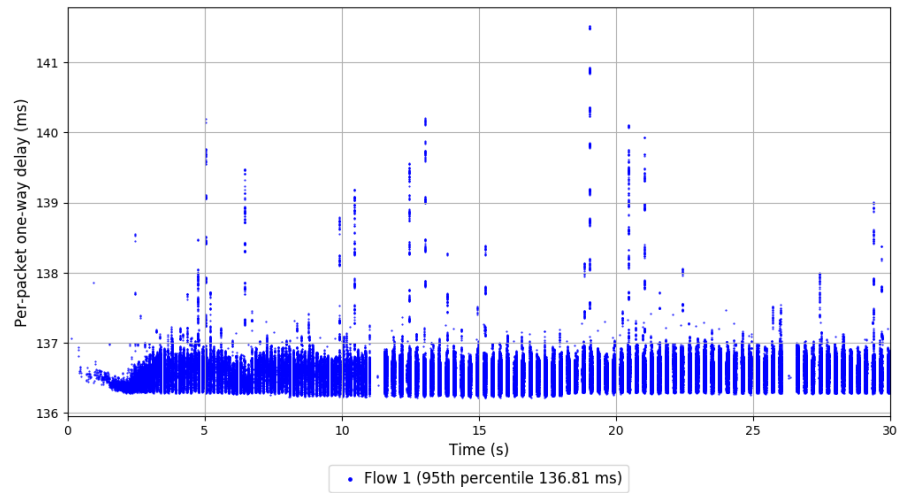
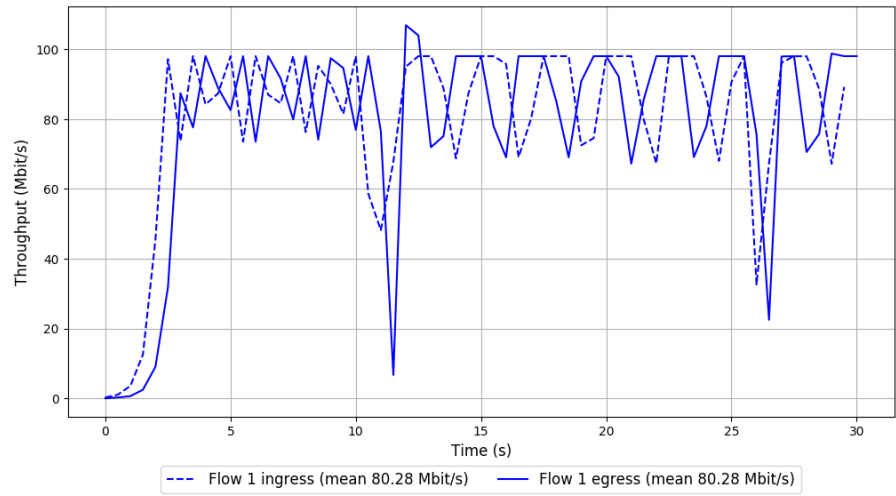
-- Flow 1:

Average throughput: 80.28 Mbit/s

95th percentile per-packet one-way delay: 136.814 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link

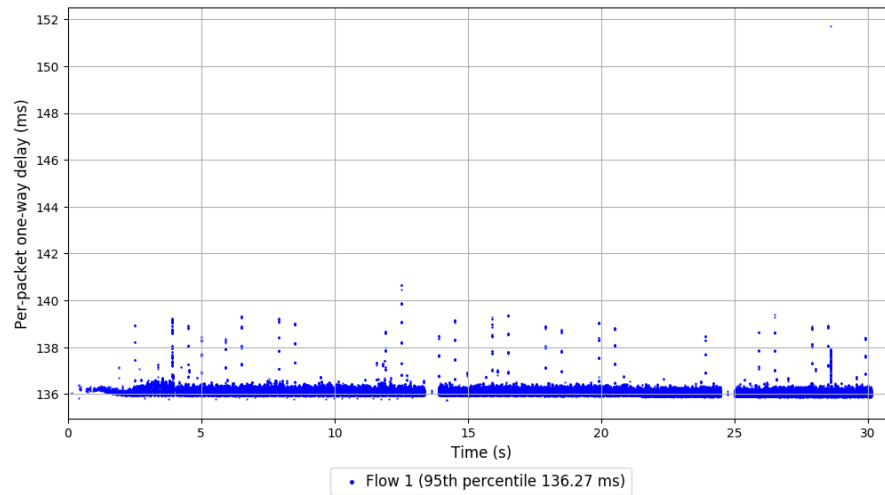
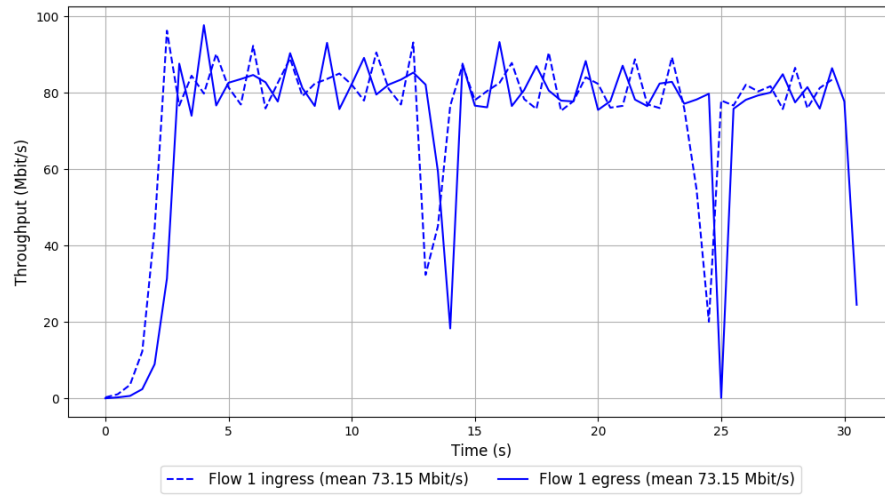


Run 10: Statistics of TCP BBR

Start at: 2018-05-25 01:25:14
End at: 2018-05-25 01:25:44
Local clock offset: -0.065 ms
Remote clock offset: -0.152 ms

Below is generated by plot.py at 2018-05-25 01:44:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.15 Mbit/s
95th percentile per-packet one-way delay: 136.268 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.15 Mbit/s
95th percentile per-packet one-way delay: 136.268 ms
Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-05-24 22:05:04

End at: 2018-05-24 22:05:34

Local clock offset: 0.196 ms

Remote clock offset: -0.205 ms

Below is generated by plot.py at 2018-05-25 01:50:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.00 Mbit/s

95th percentile per-packet one-way delay: 175.739 ms

Loss rate: 0.00%

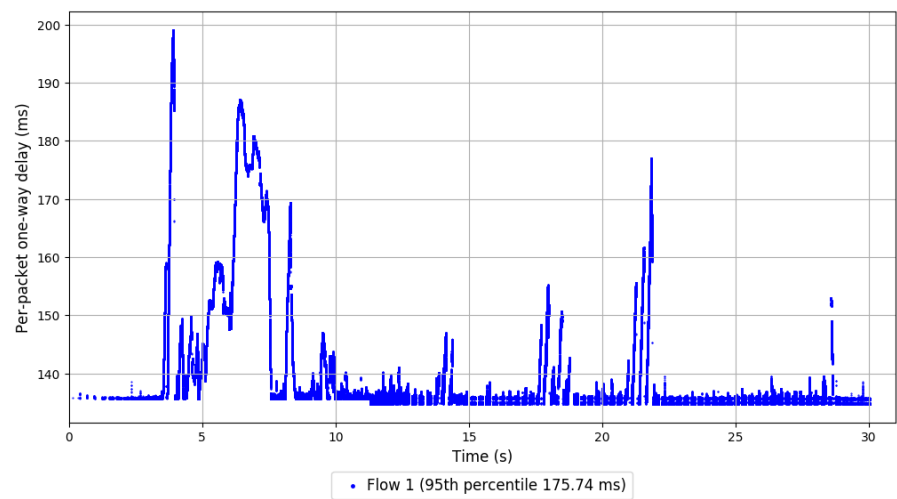
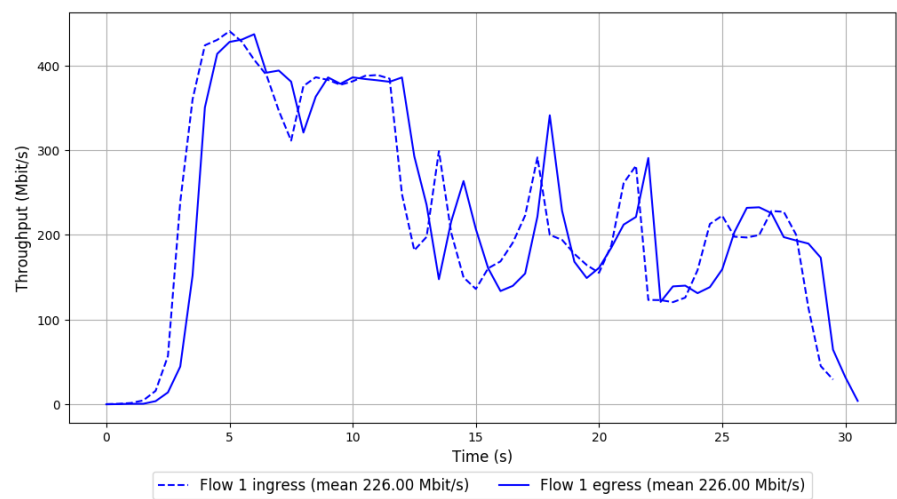
-- Flow 1:

Average throughput: 226.00 Mbit/s

95th percentile per-packet one-way delay: 175.739 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-05-24 22:27:09

End at: 2018-05-24 22:27:39

Local clock offset: -0.36 ms

Remote clock offset: -0.24 ms

Below is generated by plot.py at 2018-05-25 01:50:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 107.44 Mbit/s

95th percentile per-packet one-way delay: 137.335 ms

Loss rate: 0.00%

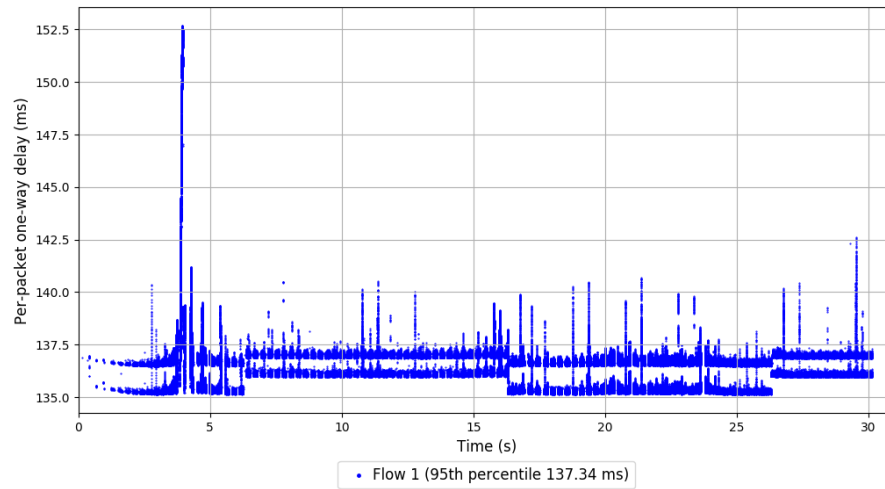
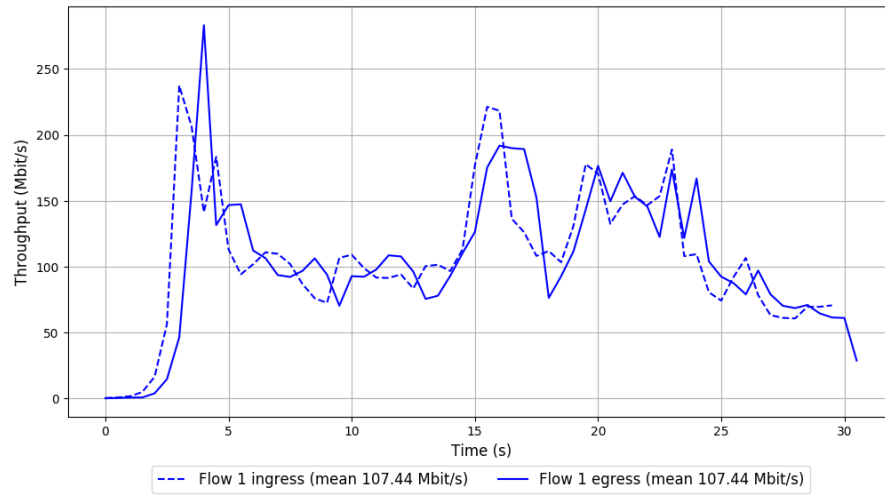
-- Flow 1:

Average throughput: 107.44 Mbit/s

95th percentile per-packet one-way delay: 137.335 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link

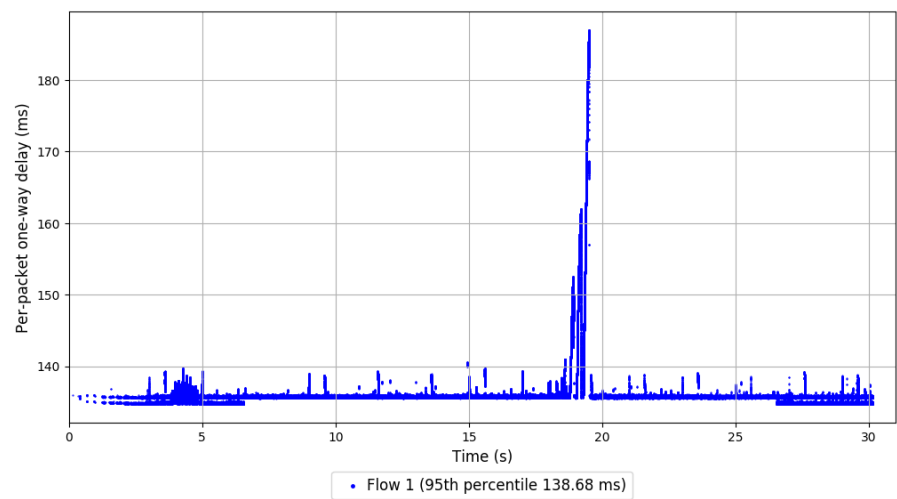
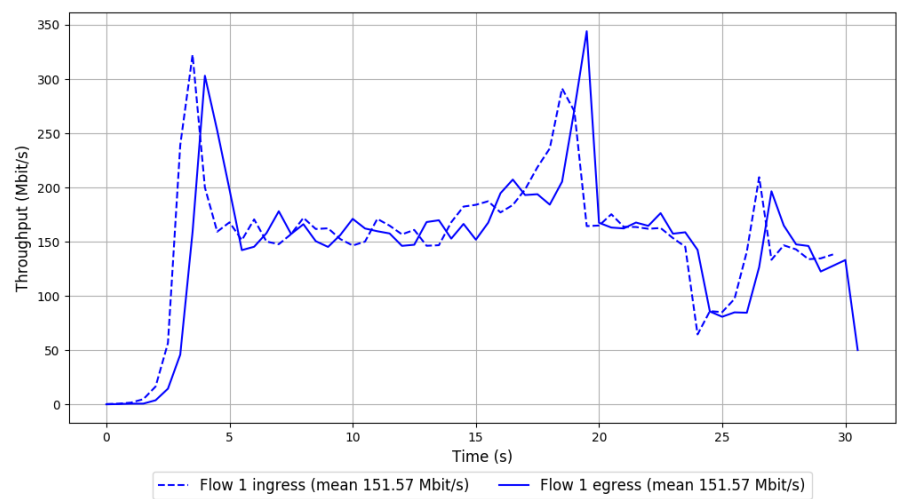


Run 3: Statistics of Copa

Start at: 2018-05-24 22:47:59
End at: 2018-05-24 22:48:29
Local clock offset: -0.326 ms
Remote clock offset: -0.576 ms

Below is generated by plot.py at 2018-05-25 01:50:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 151.57 Mbit/s
95th percentile per-packet one-way delay: 138.682 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 151.57 Mbit/s
95th percentile per-packet one-way delay: 138.682 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-05-24 23:09:06

End at: 2018-05-24 23:09:36

Local clock offset: 0.144 ms

Remote clock offset: -0.27 ms

Below is generated by plot.py at 2018-05-25 01:50:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 145.29 Mbit/s

95th percentile per-packet one-way delay: 140.388 ms

Loss rate: 0.00%

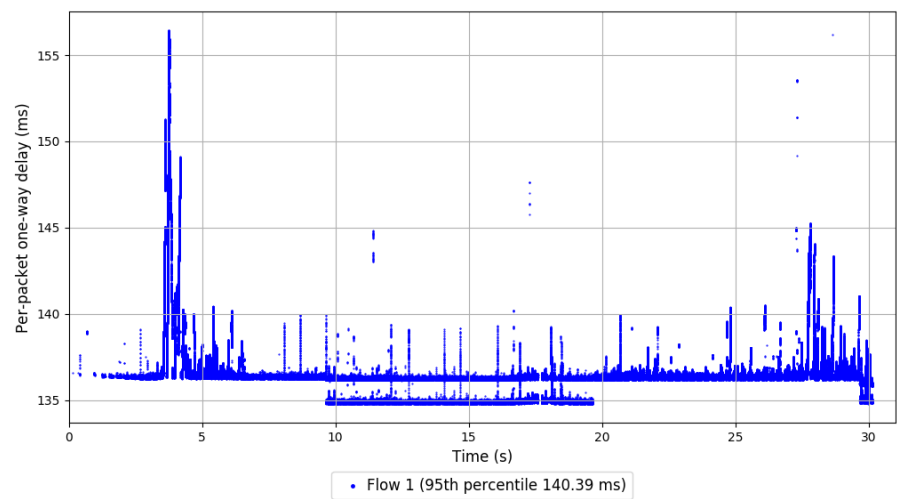
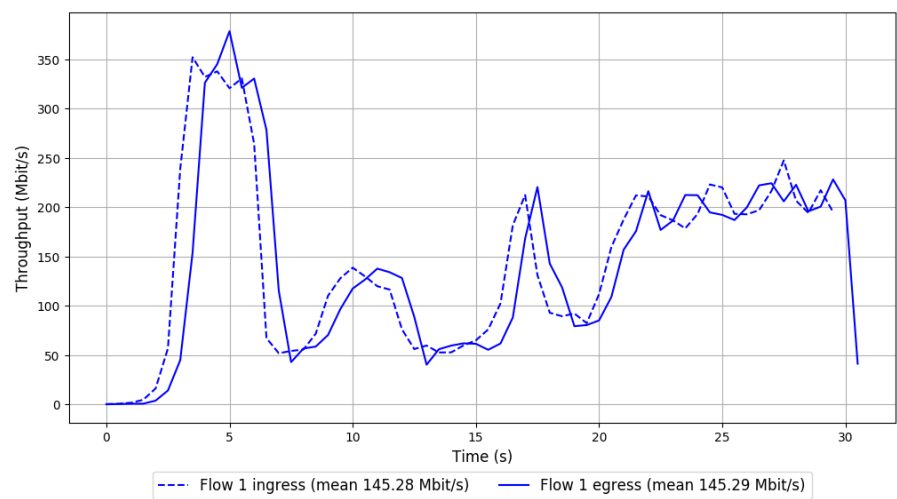
-- Flow 1:

Average throughput: 145.29 Mbit/s

95th percentile per-packet one-way delay: 140.388 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link

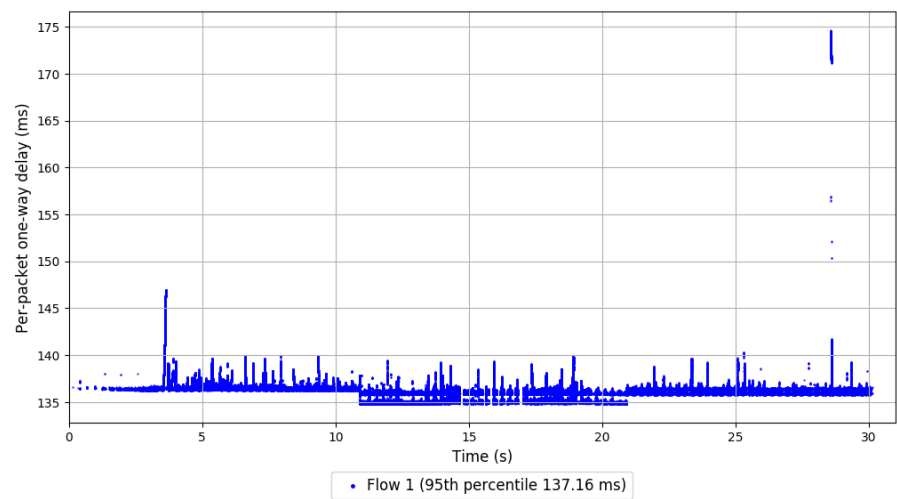
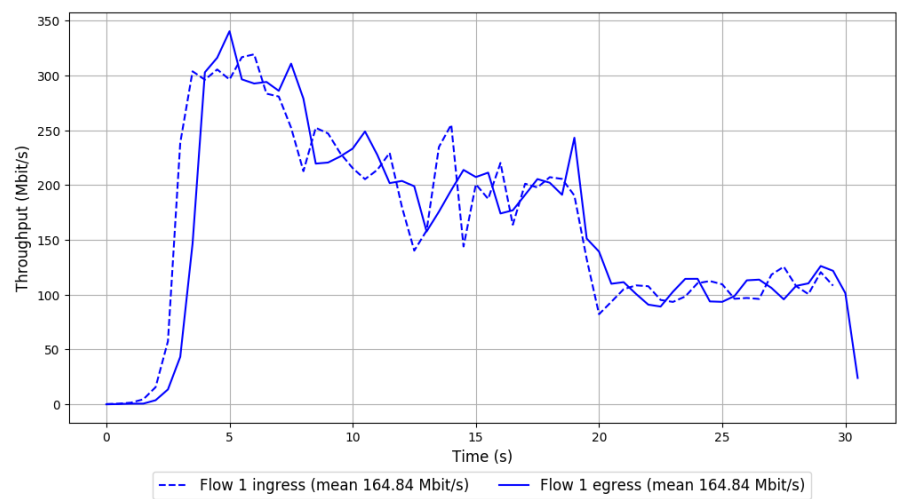


Run 5: Statistics of Copa

Start at: 2018-05-24 23:30:25
End at: 2018-05-24 23:30:55
Local clock offset: 0.219 ms
Remote clock offset: -0.236 ms

Below is generated by plot.py at 2018-05-25 01:50:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 164.84 Mbit/s
95th percentile per-packet one-way delay: 137.163 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 164.84 Mbit/s
95th percentile per-packet one-way delay: 137.163 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

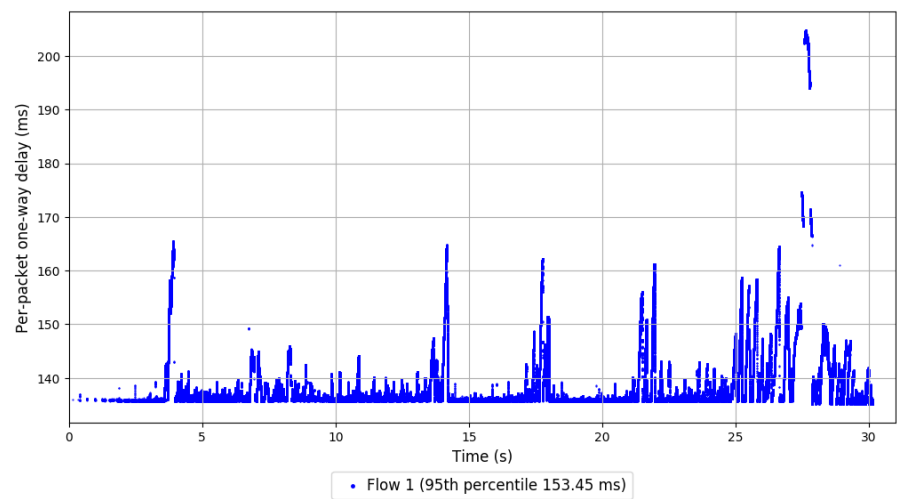
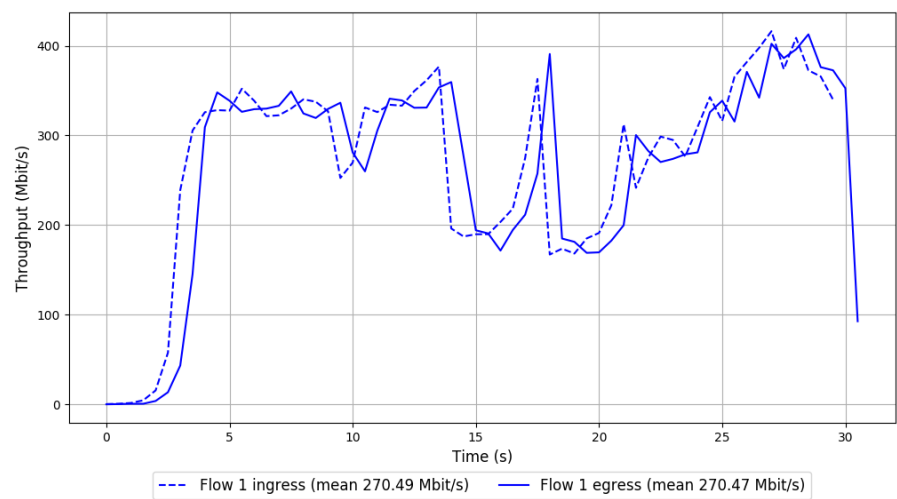


Run 6: Statistics of Copa

Start at: 2018-05-24 23:52:22
End at: 2018-05-24 23:52:52
Local clock offset: 0.337 ms
Remote clock offset: -0.462 ms

Below is generated by plot.py at 2018-05-25 01:52:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 270.47 Mbit/s
95th percentile per-packet one-way delay: 153.448 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 270.47 Mbit/s
95th percentile per-packet one-way delay: 153.448 ms
Loss rate: 0.01%

Run 6: Report of Copa — Data Link

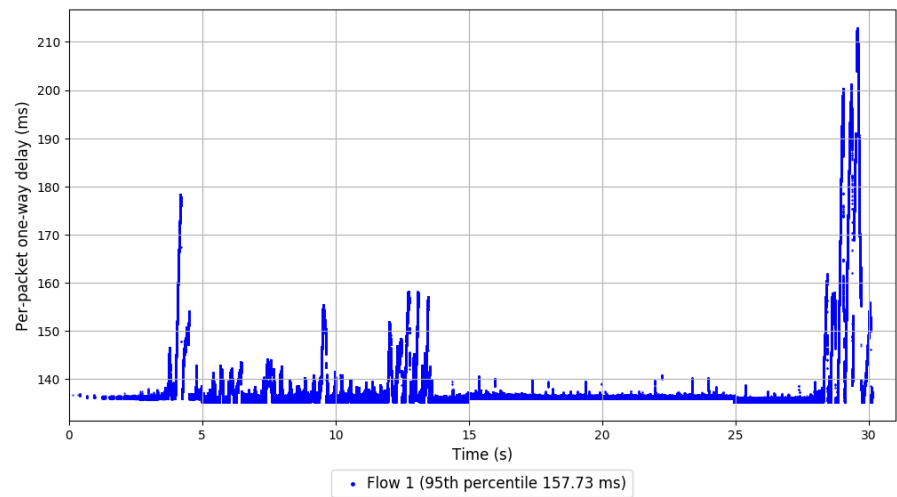
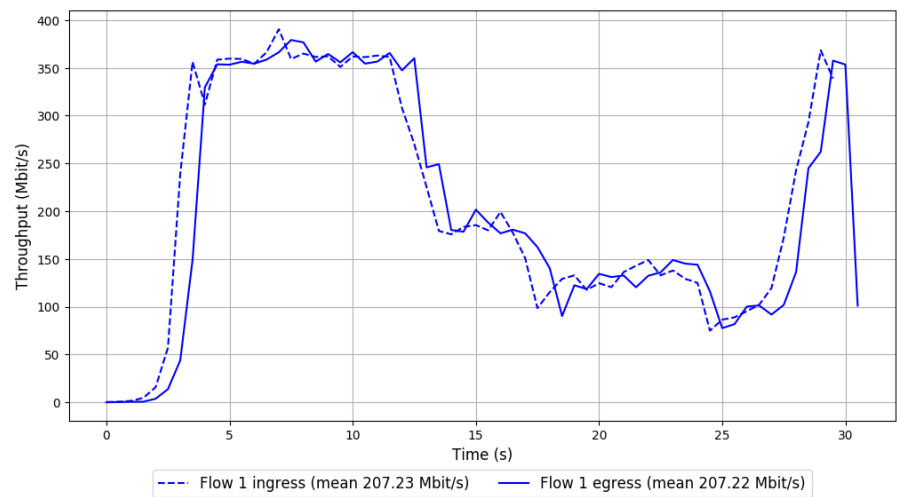


Run 7: Statistics of Copa

Start at: 2018-05-25 00:13:51
End at: 2018-05-25 00:14:21
Local clock offset: -0.104 ms
Remote clock offset: -0.161 ms

Below is generated by plot.py at 2018-05-25 01:52:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 207.22 Mbit/s
95th percentile per-packet one-way delay: 157.732 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 207.22 Mbit/s
95th percentile per-packet one-way delay: 157.732 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

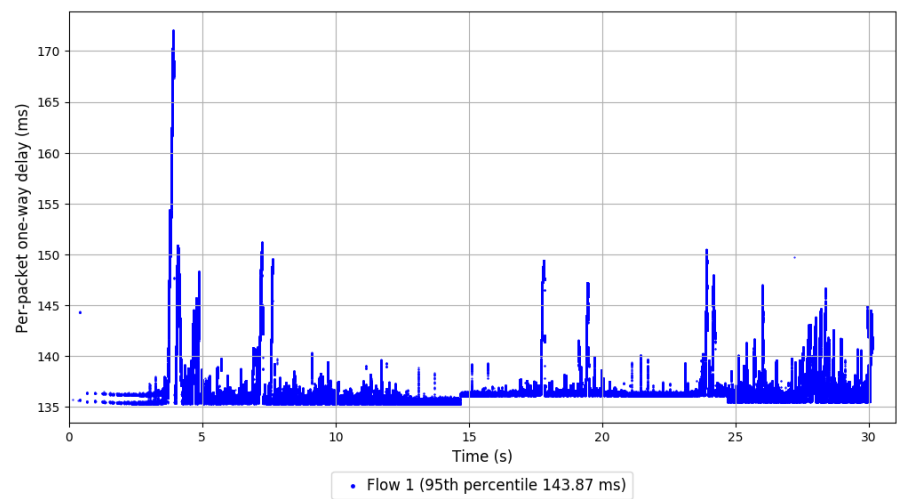
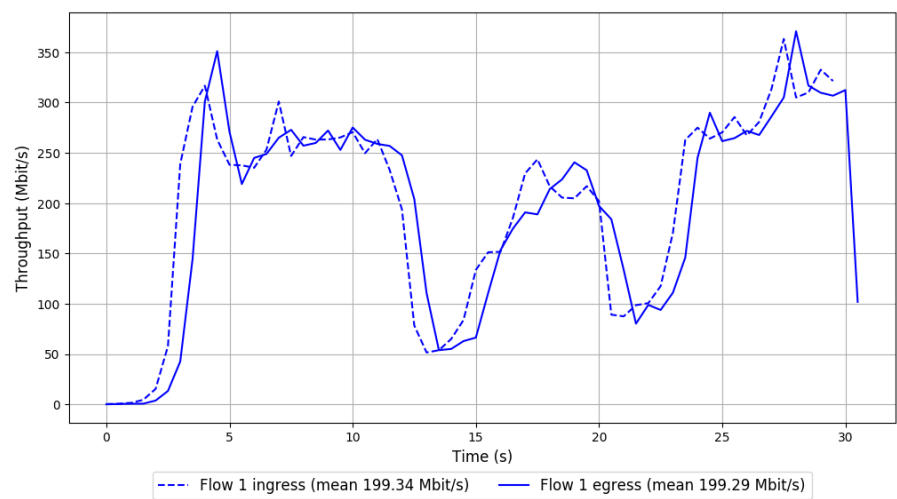


Run 8: Statistics of Copa

Start at: 2018-05-25 00:35:01
End at: 2018-05-25 00:35:31
Local clock offset: 0.028 ms
Remote clock offset: -0.178 ms

Below is generated by plot.py at 2018-05-25 01:52:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 199.29 Mbit/s
95th percentile per-packet one-way delay: 143.868 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 199.29 Mbit/s
95th percentile per-packet one-way delay: 143.868 ms
Loss rate: 0.02%

Run 8: Report of Copa — Data Link

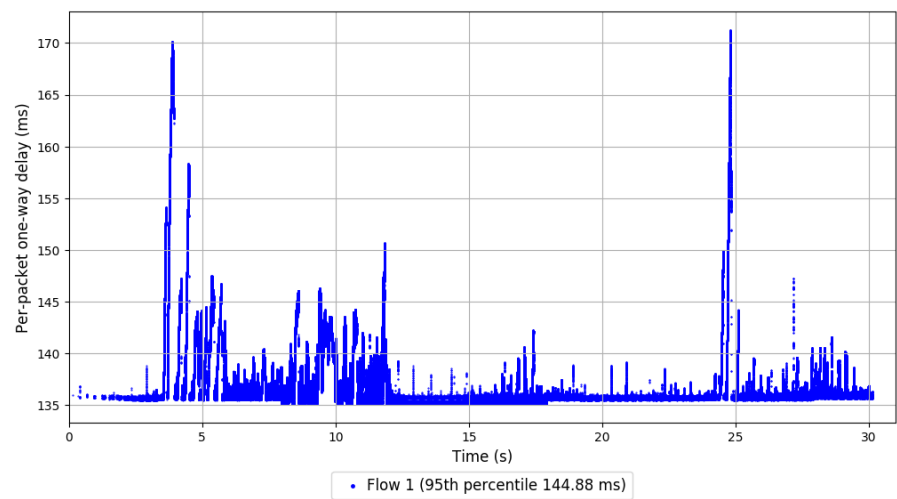
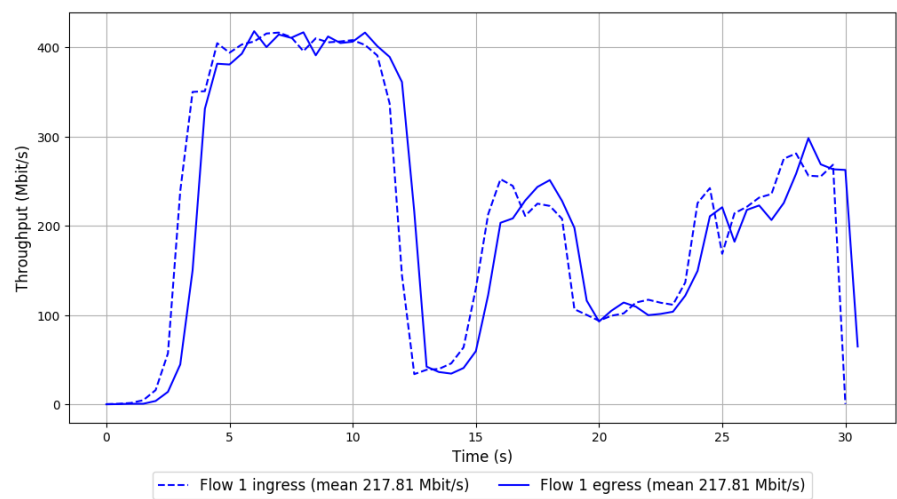


Run 9: Statistics of Copa

Start at: 2018-05-25 00:57:18
End at: 2018-05-25 00:57:48
Local clock offset: 0.023 ms
Remote clock offset: -0.215 ms

Below is generated by plot.py at 2018-05-25 01:53:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.81 Mbit/s
95th percentile per-packet one-way delay: 144.876 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 217.81 Mbit/s
95th percentile per-packet one-way delay: 144.876 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

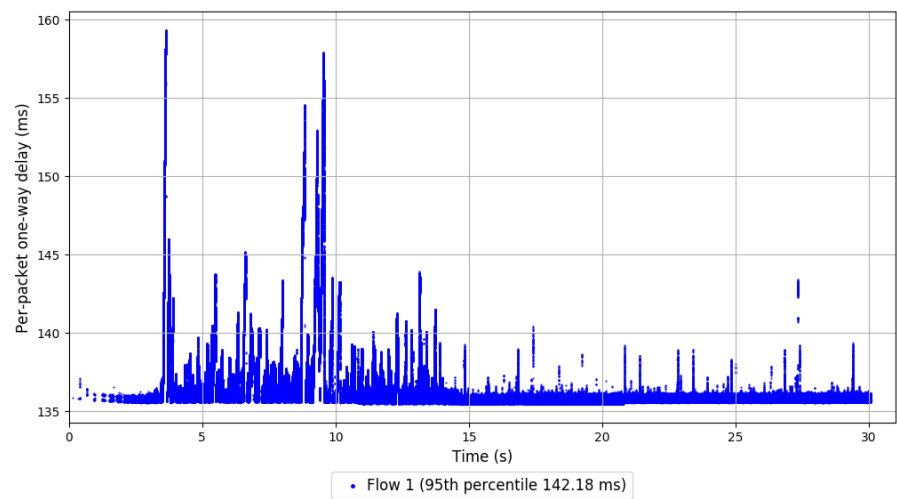
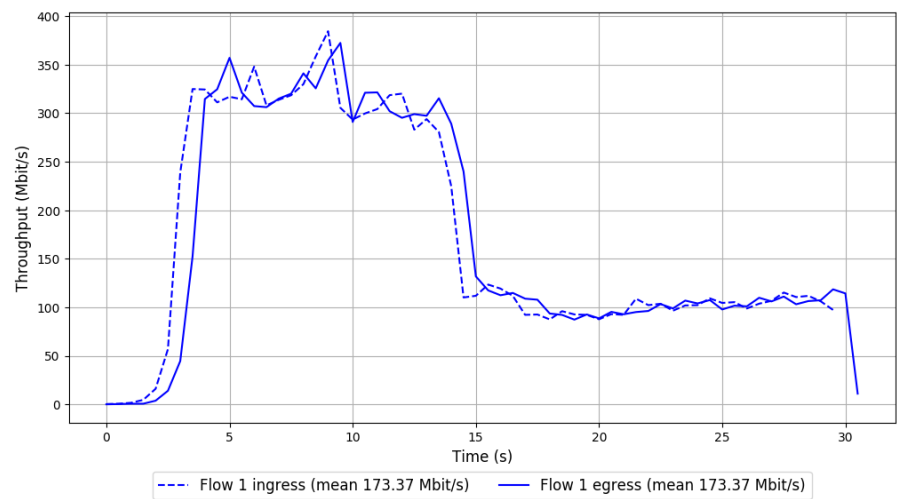


Run 10: Statistics of Copa

Start at: 2018-05-25 01:20:09
End at: 2018-05-25 01:20:39
Local clock offset: 0.041 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-05-25 01:53:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 173.37 Mbit/s
95th percentile per-packet one-way delay: 142.183 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 173.37 Mbit/s
95th percentile per-packet one-way delay: 142.183 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

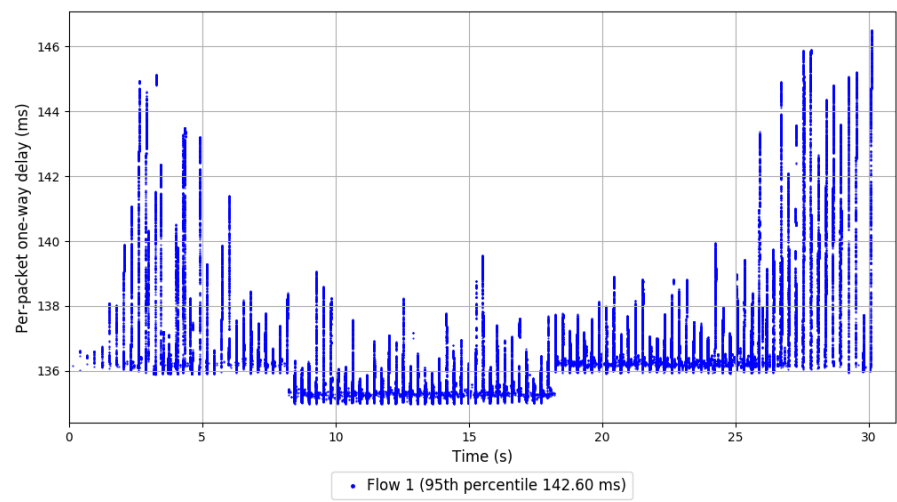
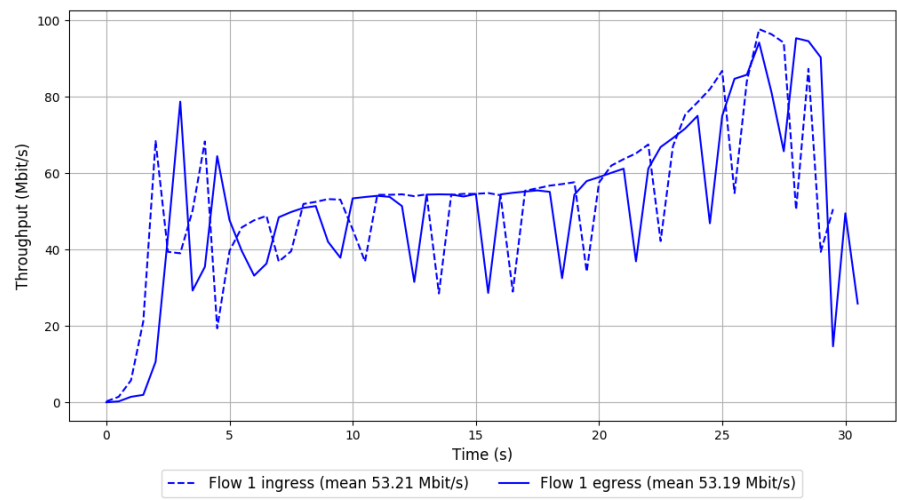


Run 1: Statistics of TCP Cubic

Start at: 2018-05-24 22:01:28
End at: 2018-05-24 22:01:58
Local clock offset: 0.028 ms
Remote clock offset: -0.152 ms

Below is generated by plot.py at 2018-05-25 01:53:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 53.19 Mbit/s
95th percentile per-packet one-way delay: 142.603 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.19 Mbit/s
95th percentile per-packet one-way delay: 142.603 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

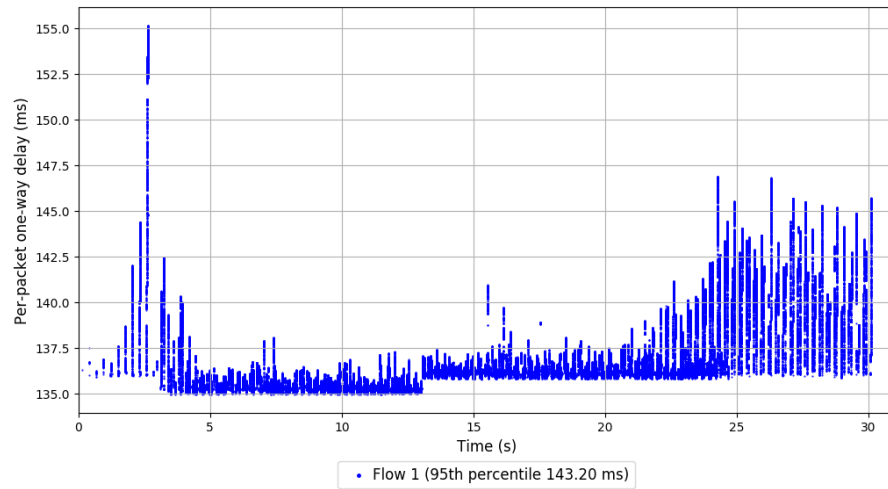
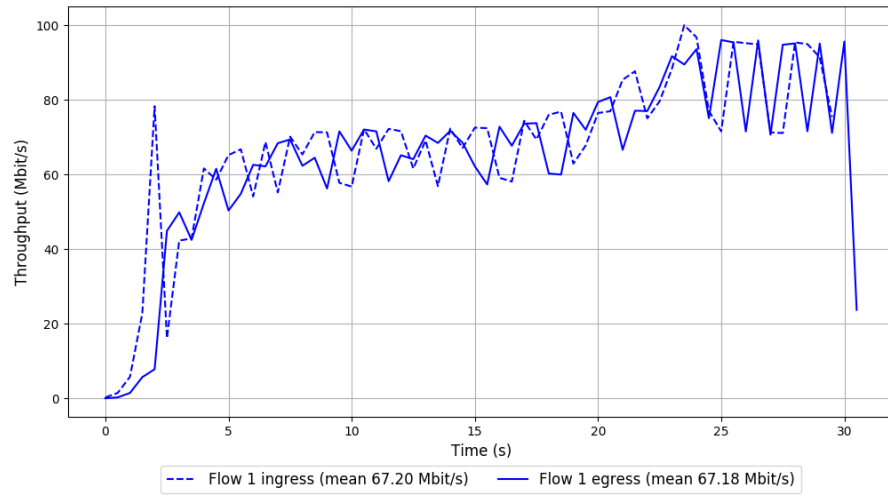


Run 2: Statistics of TCP Cubic

Start at: 2018-05-24 22:23:23
End at: 2018-05-24 22:23:53
Local clock offset: -0.021 ms
Remote clock offset: -0.144 ms

Below is generated by plot.py at 2018-05-25 01:53:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.18 Mbit/s
95th percentile per-packet one-way delay: 143.204 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.18 Mbit/s
95th percentile per-packet one-way delay: 143.204 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

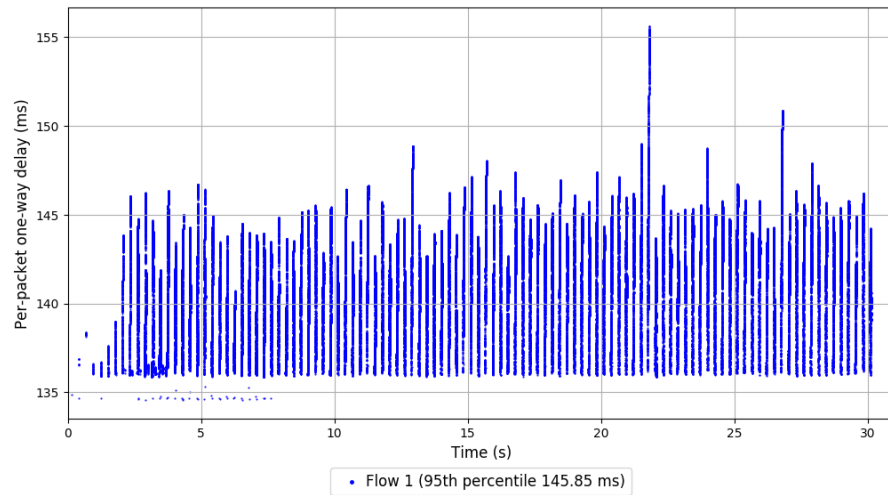
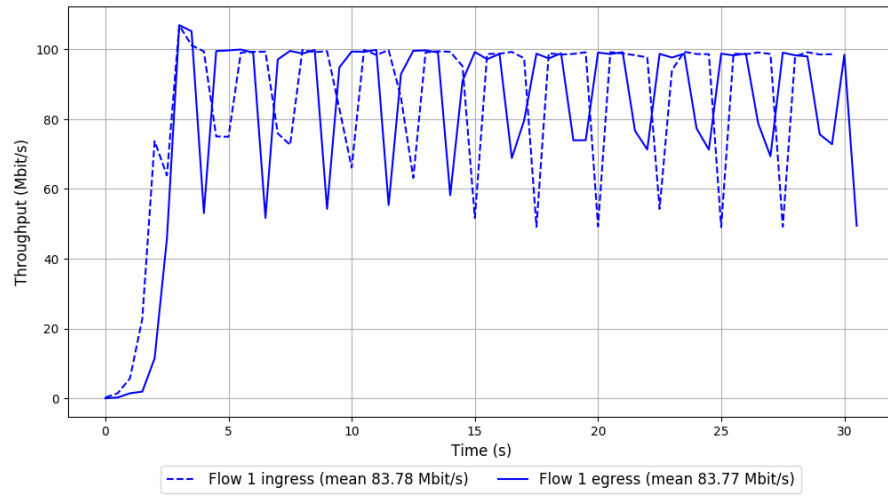


Run 3: Statistics of TCP Cubic

Start at: 2018-05-24 22:44:18
End at: 2018-05-24 22:44:48
Local clock offset: -0.061 ms
Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-05-25 01:53:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.77 Mbit/s
95th percentile per-packet one-way delay: 145.851 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.77 Mbit/s
95th percentile per-packet one-way delay: 145.851 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link

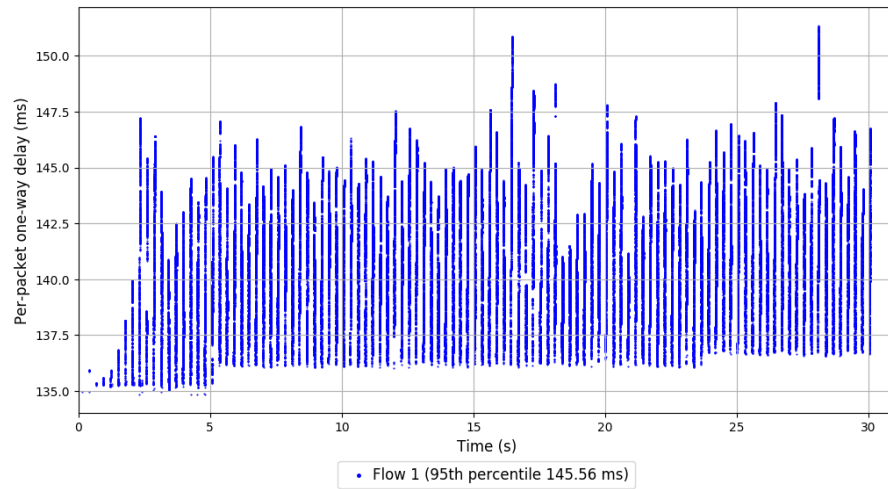
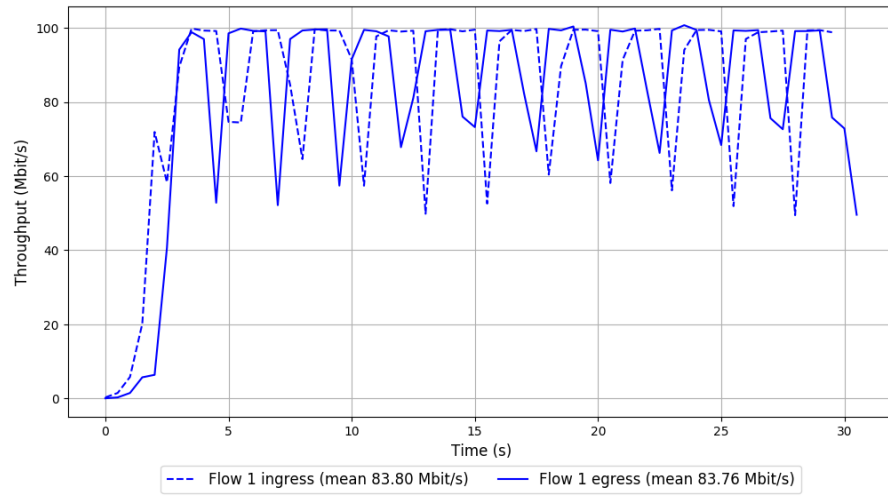


Run 4: Statistics of TCP Cubic

Start at: 2018-05-24 23:05:21
End at: 2018-05-24 23:05:51
Local clock offset: -0.139 ms
Remote clock offset: -0.286 ms

Below is generated by plot.py at 2018-05-25 01:53:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.76 Mbit/s
95th percentile per-packet one-way delay: 145.561 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.76 Mbit/s
95th percentile per-packet one-way delay: 145.561 ms
Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link

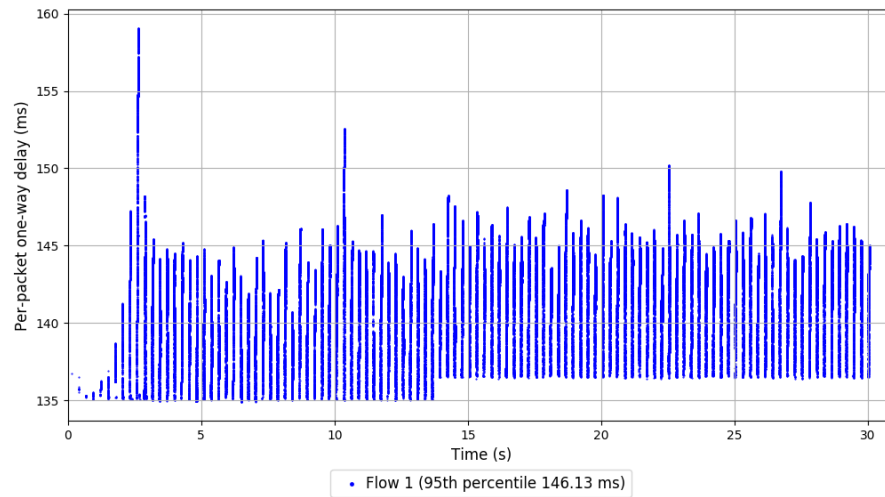
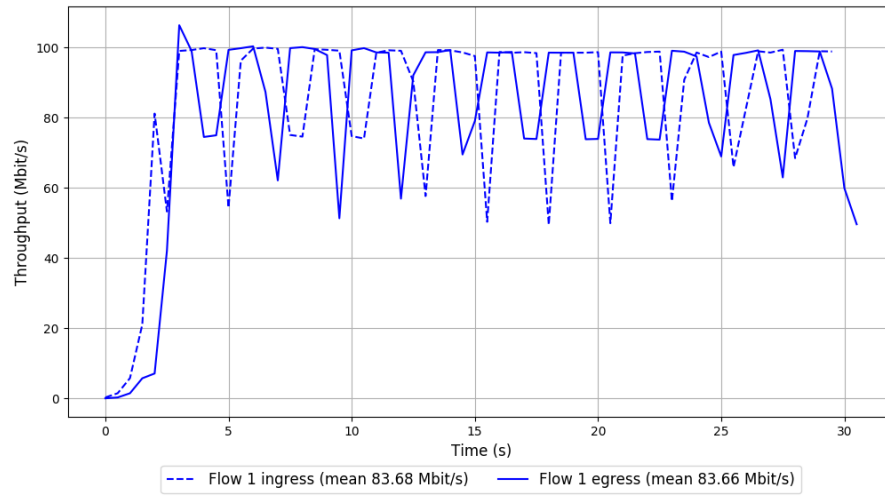


Run 5: Statistics of TCP Cubic

Start at: 2018-05-24 23:26:42
End at: 2018-05-24 23:27:12
Local clock offset: 0.132 ms
Remote clock offset: -0.272 ms

Below is generated by plot.py at 2018-05-25 01:53:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.66 Mbit/s
95th percentile per-packet one-way delay: 146.131 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.66 Mbit/s
95th percentile per-packet one-way delay: 146.131 ms
Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link

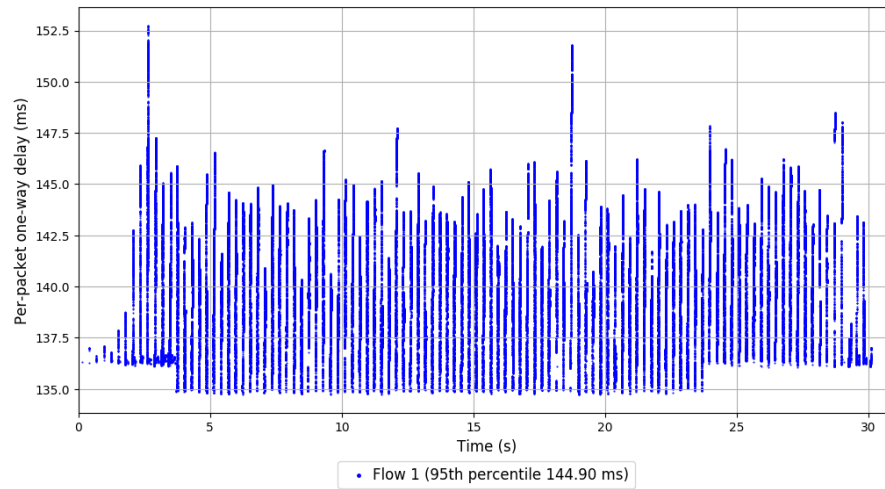
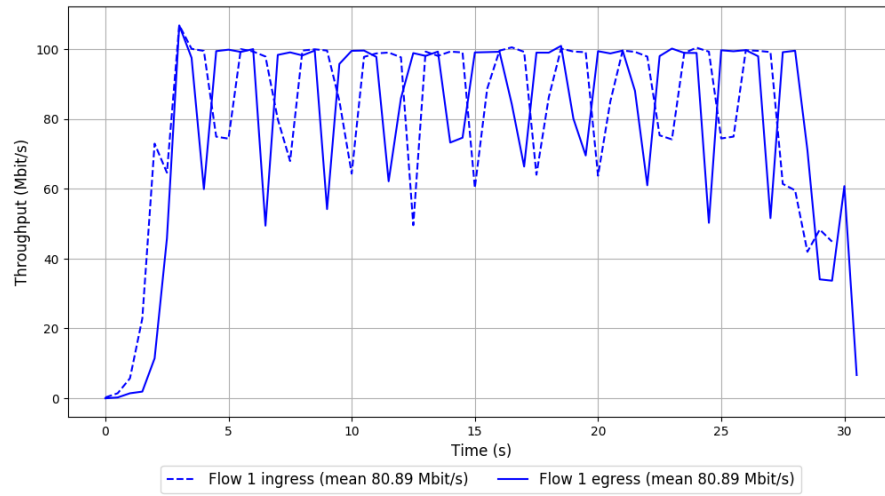


Run 6: Statistics of TCP Cubic

Start at: 2018-05-24 23:48:32
End at: 2018-05-24 23:49:02
Local clock offset: 0.461 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-05-25 01:53:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.89 Mbit/s
95th percentile per-packet one-way delay: 144.902 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.89 Mbit/s
95th percentile per-packet one-way delay: 144.902 ms
Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link

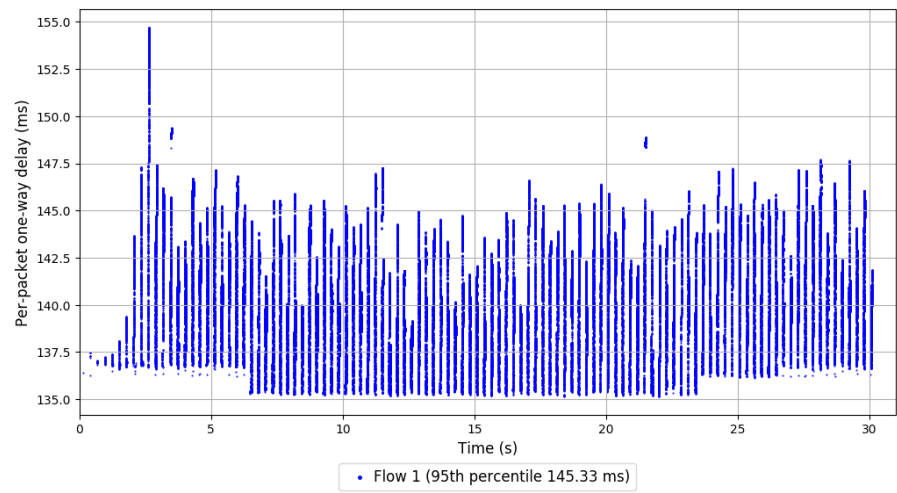
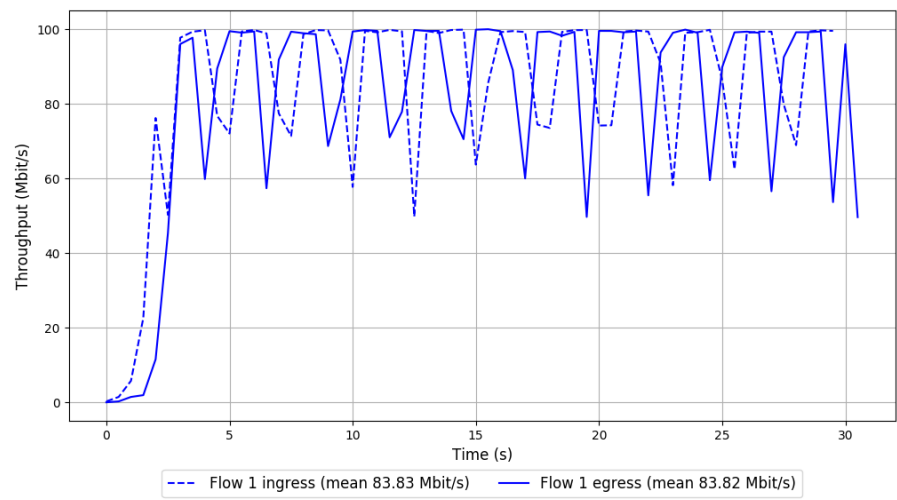


Run 7: Statistics of TCP Cubic

Start at: 2018-05-25 00:10:09
End at: 2018-05-25 00:10:39
Local clock offset: -0.152 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-05-25 01:53:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.82 Mbit/s
95th percentile per-packet one-way delay: 145.330 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.82 Mbit/s
95th percentile per-packet one-way delay: 145.330 ms
Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link

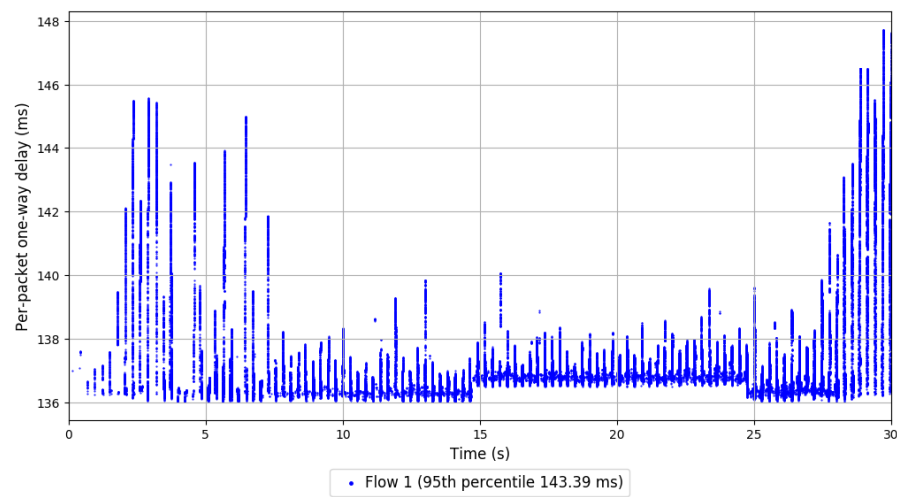
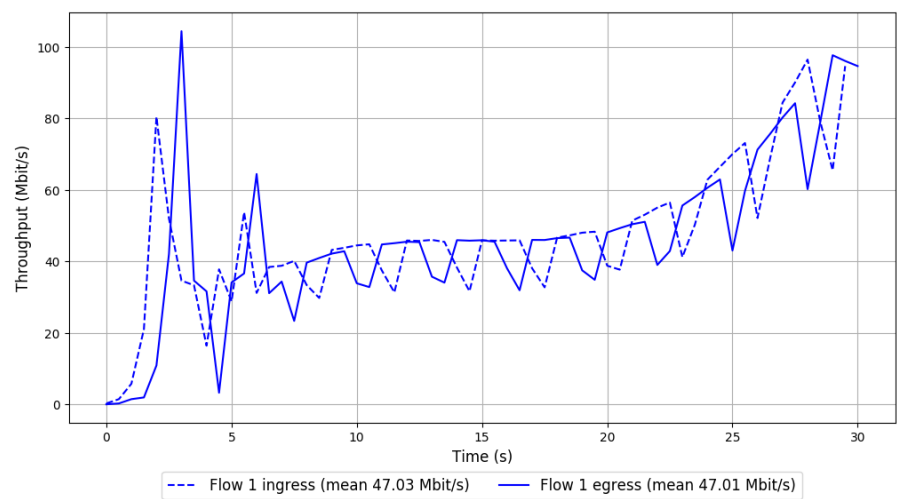


Run 8: Statistics of TCP Cubic

Start at: 2018-05-25 00:31:21
End at: 2018-05-25 00:31:51
Local clock offset: -0.279 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2018-05-25 01:53:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 47.01 Mbit/s
95th percentile per-packet one-way delay: 143.390 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.01 Mbit/s
95th percentile per-packet one-way delay: 143.390 ms
Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link

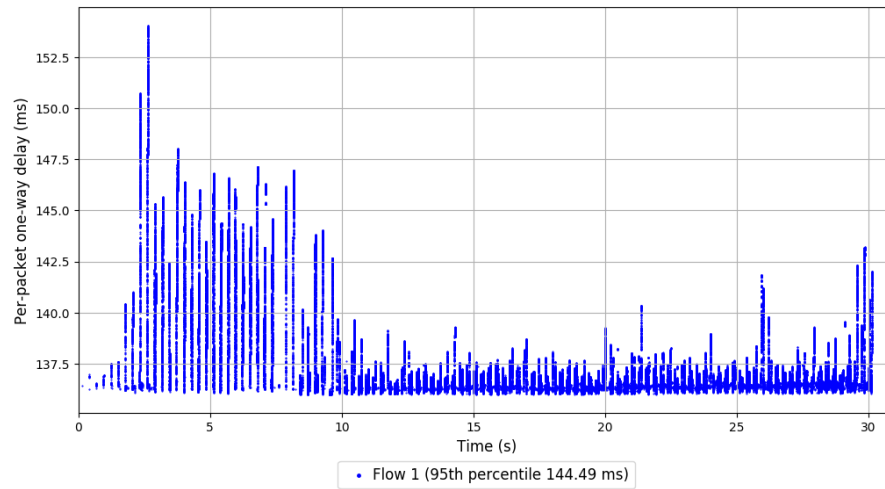
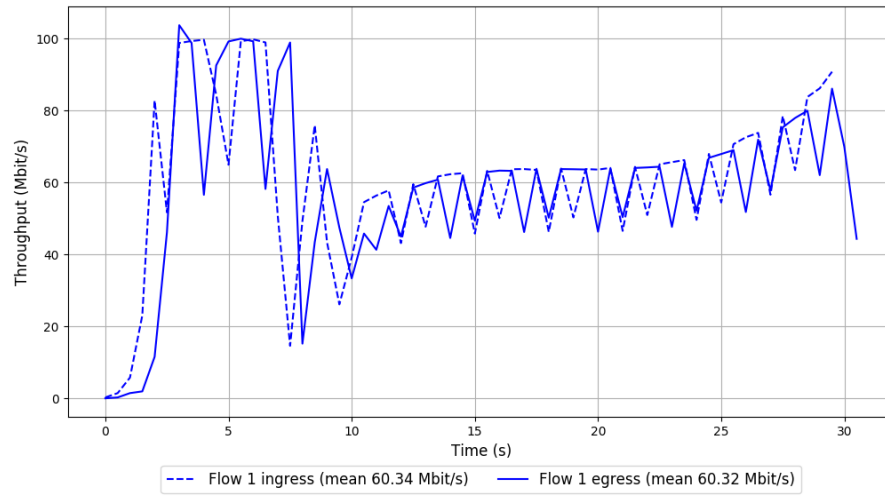


Run 9: Statistics of TCP Cubic

Start at: 2018-05-25 00:53:34
End at: 2018-05-25 00:54:04
Local clock offset: -0.214 ms
Remote clock offset: -0.134 ms

Below is generated by plot.py at 2018-05-25 01:53:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 60.32 Mbit/s
95th percentile per-packet one-way delay: 144.489 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 60.32 Mbit/s
95th percentile per-packet one-way delay: 144.489 ms
Loss rate: 0.02%

Run 9: Report of TCP Cubic — Data Link

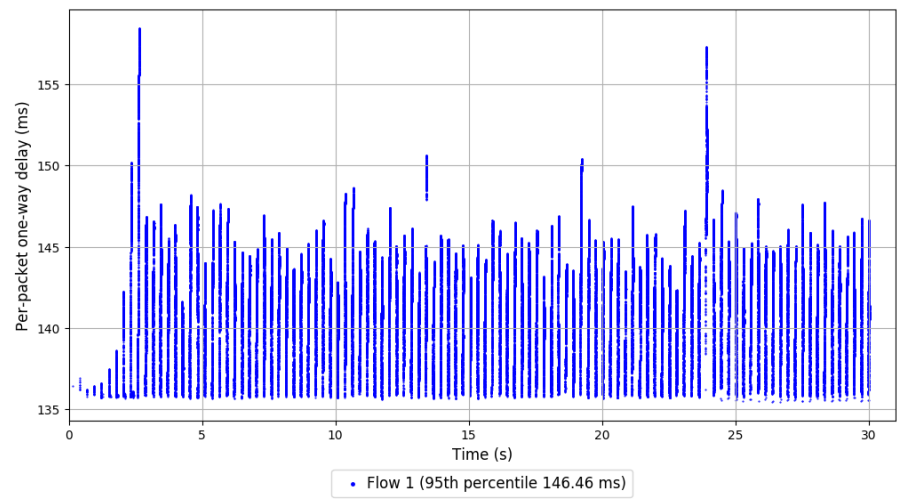
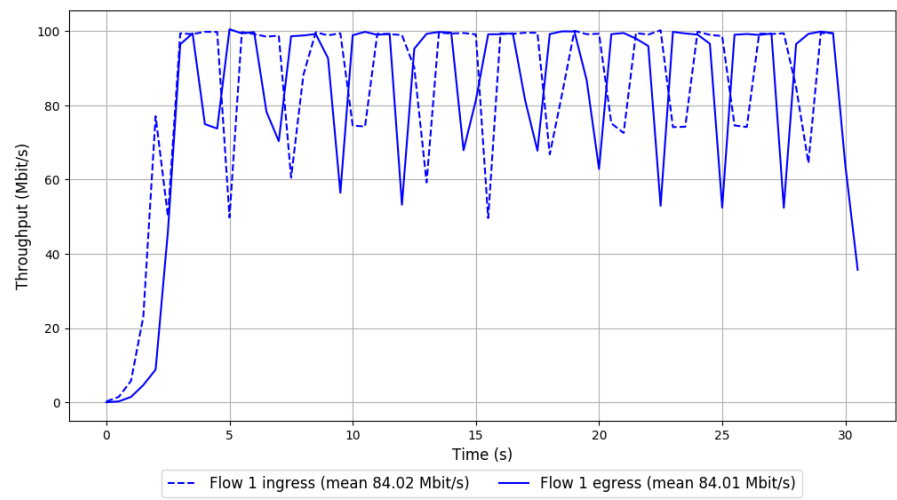


Run 10: Statistics of TCP Cubic

Start at: 2018-05-25 01:16:11
End at: 2018-05-25 01:16:41
Local clock offset: 0.159 ms
Remote clock offset: -0.176 ms

Below is generated by plot.py at 2018-05-25 01:53:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.01 Mbit/s
95th percentile per-packet one-way delay: 146.459 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.01 Mbit/s
95th percentile per-packet one-way delay: 146.459 ms
Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

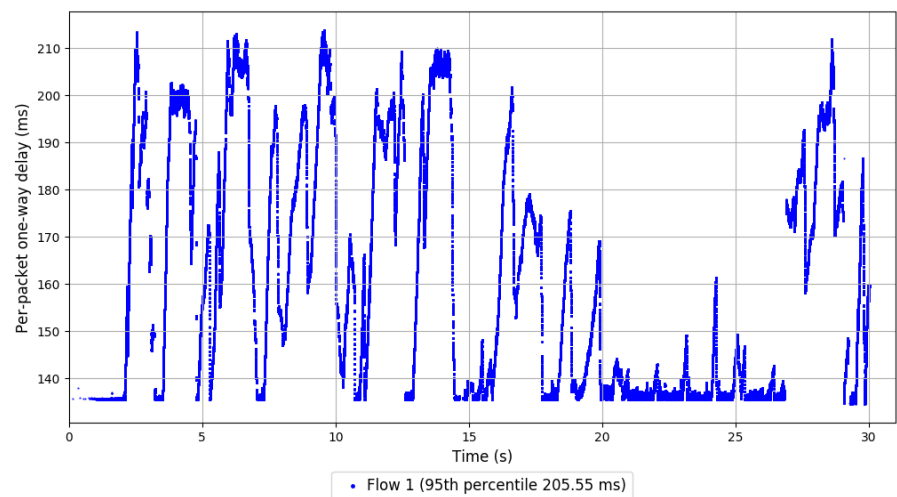
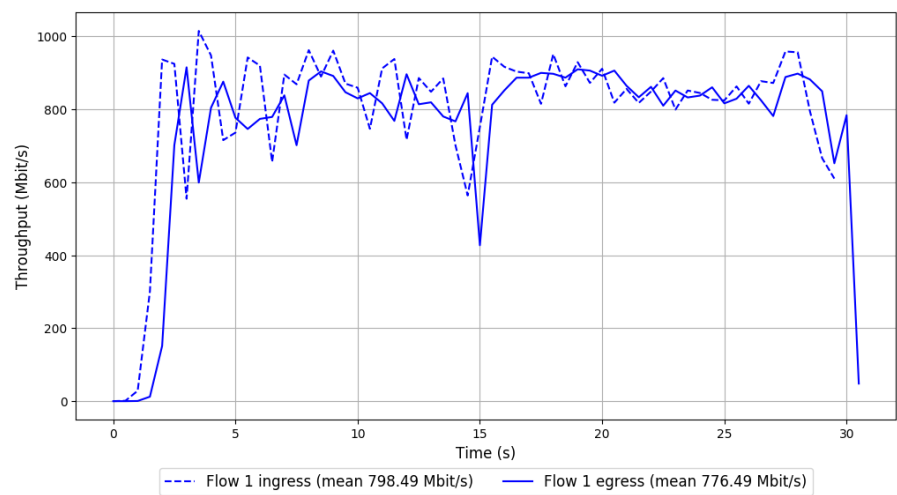


Run 1: Statistics of FillP

Start at: 2018-05-24 22:12:58
End at: 2018-05-24 22:13:28
Local clock offset: -0.052 ms
Remote clock offset: -0.627 ms

Below is generated by plot.py at 2018-05-25 02:08:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 776.49 Mbit/s
95th percentile per-packet one-way delay: 205.549 ms
Loss rate: 2.76%
-- Flow 1:
Average throughput: 776.49 Mbit/s
95th percentile per-packet one-way delay: 205.549 ms
Loss rate: 2.76%

Run 1: Report of FillP — Data Link

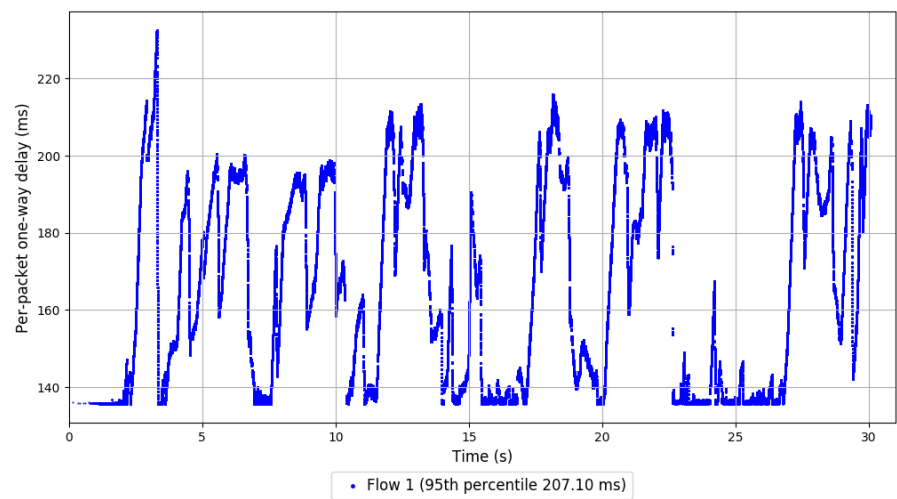
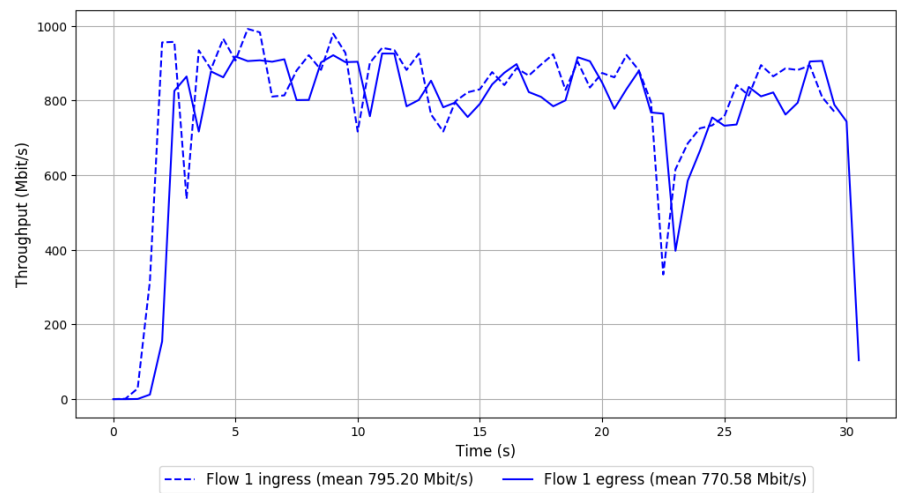


Run 2: Statistics of FillP

Start at: 2018-05-24 22:34:24
End at: 2018-05-24 22:34:54
Local clock offset: -0.311 ms
Remote clock offset: -0.583 ms

Below is generated by plot.py at 2018-05-25 02:08:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 770.58 Mbit/s
95th percentile per-packet one-way delay: 207.104 ms
Loss rate: 3.10%
-- Flow 1:
Average throughput: 770.58 Mbit/s
95th percentile per-packet one-way delay: 207.104 ms
Loss rate: 3.10%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-05-24 22:55:17

End at: 2018-05-24 22:55:47

Local clock offset: 0.337 ms

Remote clock offset: -0.2 ms

Below is generated by plot.py at 2018-05-25 02:08:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 783.64 Mbit/s

95th percentile per-packet one-way delay: 207.802 ms

Loss rate: 2.08%

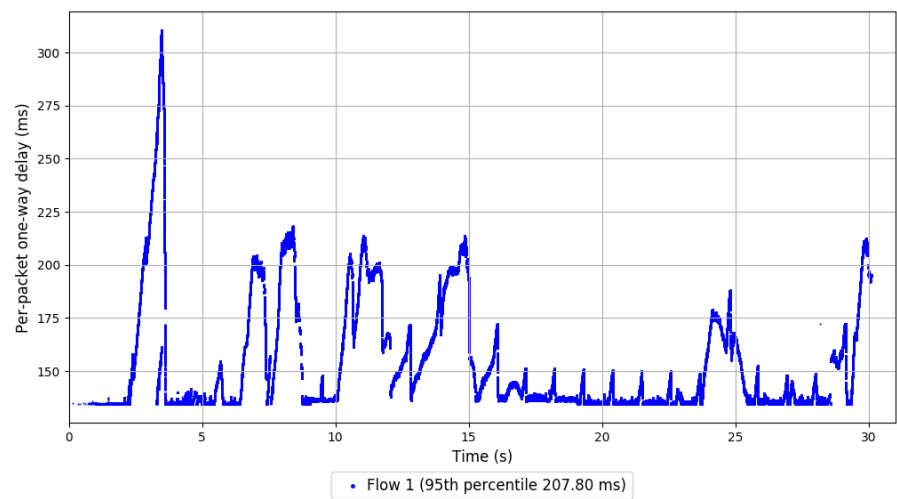
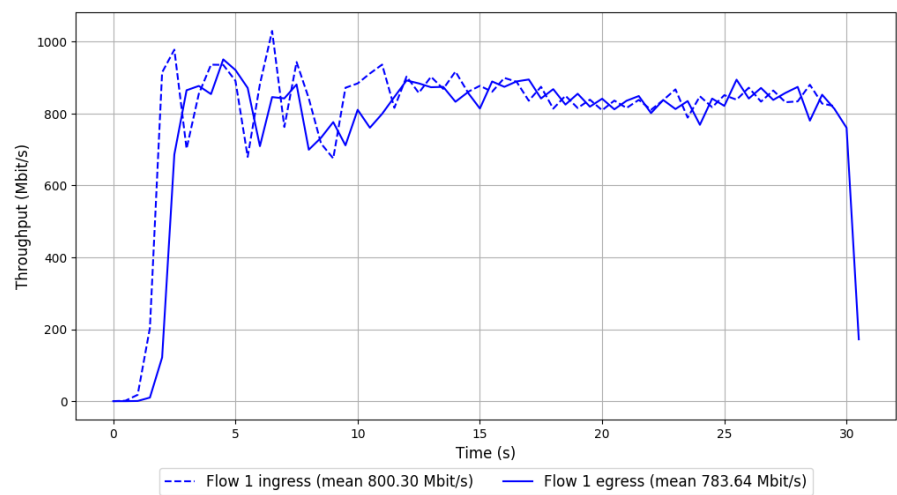
-- Flow 1:

Average throughput: 783.64 Mbit/s

95th percentile per-packet one-way delay: 207.802 ms

Loss rate: 2.08%

Run 3: Report of FillP — Data Link

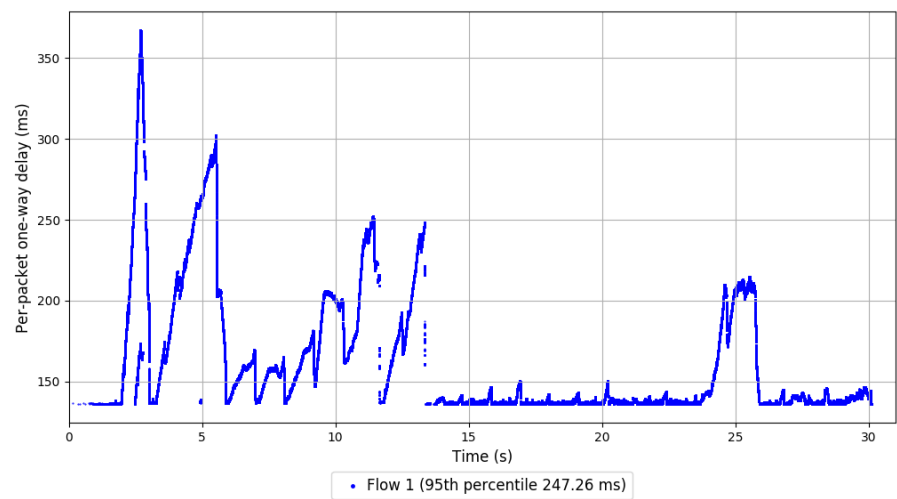
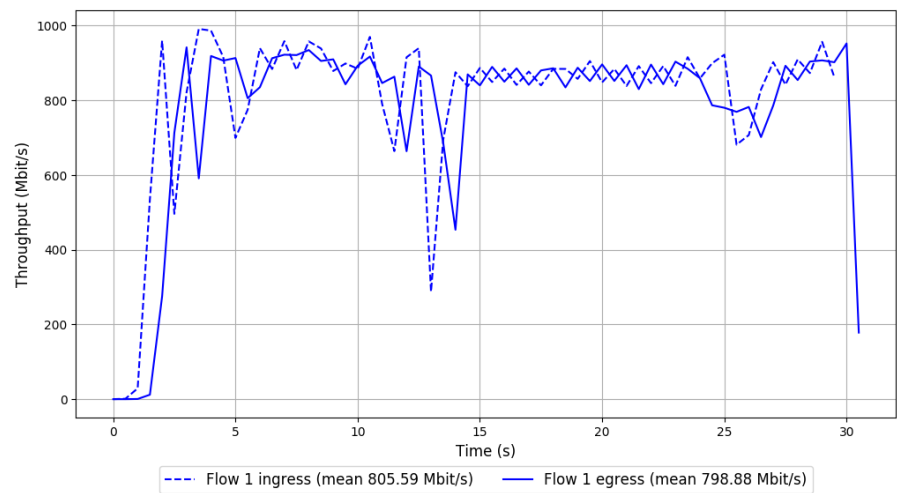


Run 4: Statistics of FillP

Start at: 2018-05-24 23:16:33
End at: 2018-05-24 23:17:03
Local clock offset: 0.02 ms
Remote clock offset: -0.274 ms

Below is generated by plot.py at 2018-05-25 02:08:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 798.88 Mbit/s
95th percentile per-packet one-way delay: 247.265 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 798.88 Mbit/s
95th percentile per-packet one-way delay: 247.265 ms
Loss rate: 0.83%

Run 4: Report of FillP — Data Link

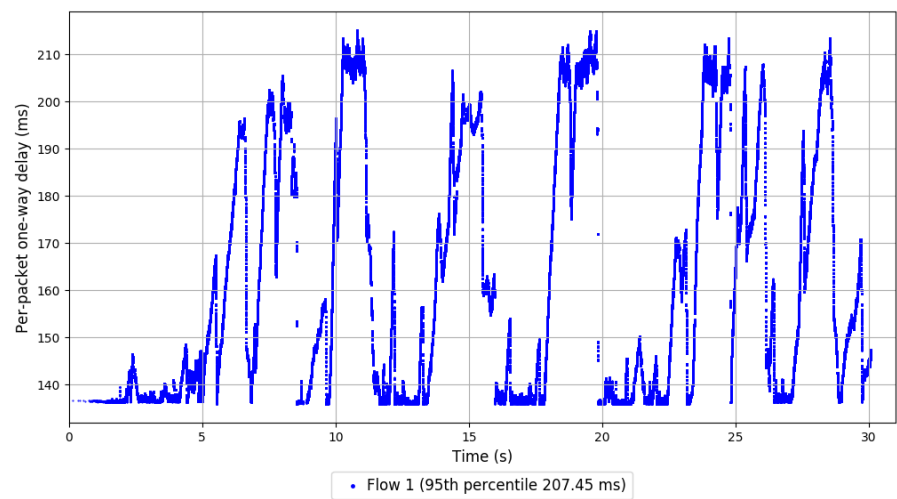
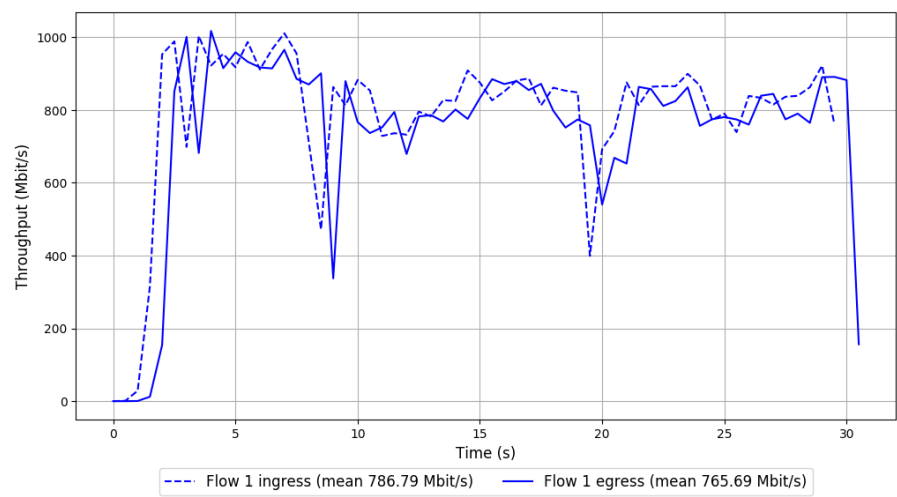


Run 5: Statistics of FillP

Start at: 2018-05-24 23:37:50
End at: 2018-05-24 23:38:20
Local clock offset: 0.078 ms
Remote clock offset: -0.168 ms

Below is generated by plot.py at 2018-05-25 02:08:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 765.69 Mbit/s
95th percentile per-packet one-way delay: 207.453 ms
Loss rate: 2.69%
-- Flow 1:
Average throughput: 765.69 Mbit/s
95th percentile per-packet one-way delay: 207.453 ms
Loss rate: 2.69%

Run 5: Report of FillP — Data Link

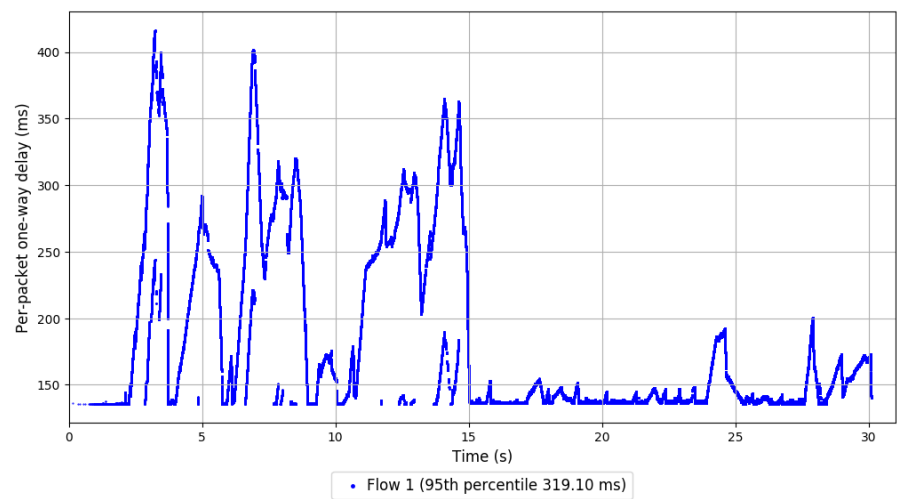
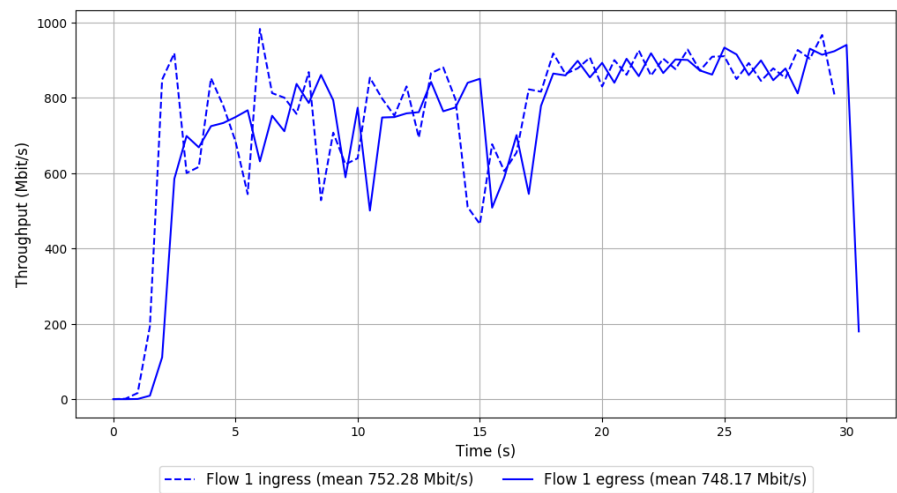


Run 6: Statistics of FillP

Start at: 2018-05-24 23:59:51
End at: 2018-05-25 00:00:21
Local clock offset: 0.337 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-05-25 02:08:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 748.17 Mbit/s
95th percentile per-packet one-way delay: 319.095 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 748.17 Mbit/s
95th percentile per-packet one-way delay: 319.095 ms
Loss rate: 0.55%

Run 6: Report of FillP — Data Link

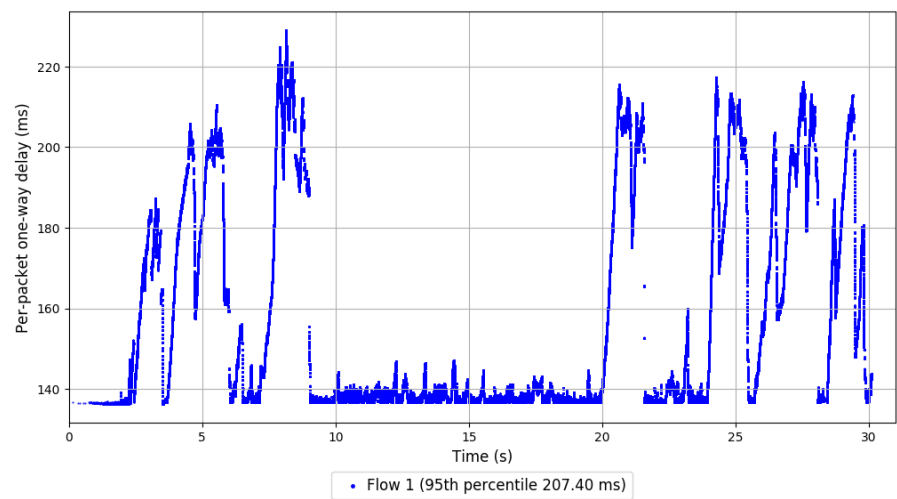
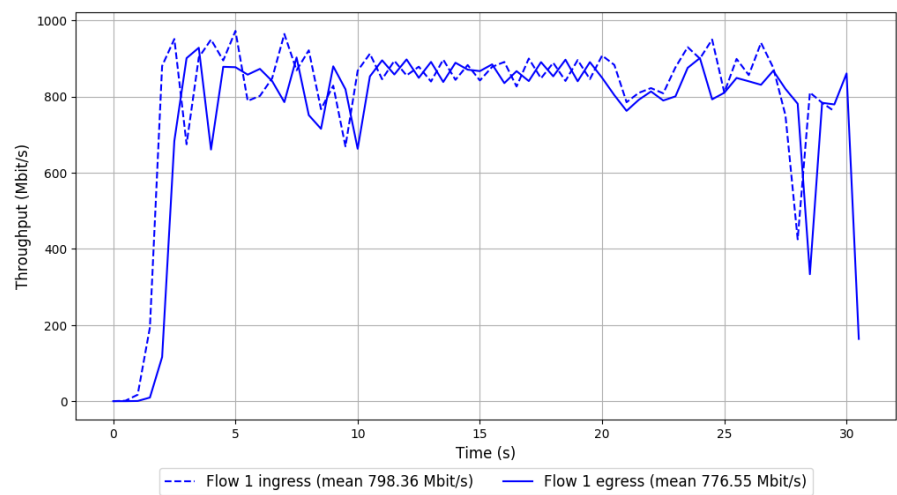


Run 7: Statistics of FillP

Start at: 2018-05-25 00:21:12
End at: 2018-05-25 00:21:42
Local clock offset: 0.101 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-05-25 02:09:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 776.55 Mbit/s
95th percentile per-packet one-way delay: 207.398 ms
Loss rate: 2.73%
-- Flow 1:
Average throughput: 776.55 Mbit/s
95th percentile per-packet one-way delay: 207.398 ms
Loss rate: 2.73%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-05-25 00:42:41

End at: 2018-05-25 00:43:11

Local clock offset: 0.068 ms

Remote clock offset: 0.263 ms

Below is generated by plot.py at 2018-05-25 02:11:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 827.95 Mbit/s

95th percentile per-packet one-way delay: 205.323 ms

Loss rate: 2.22%

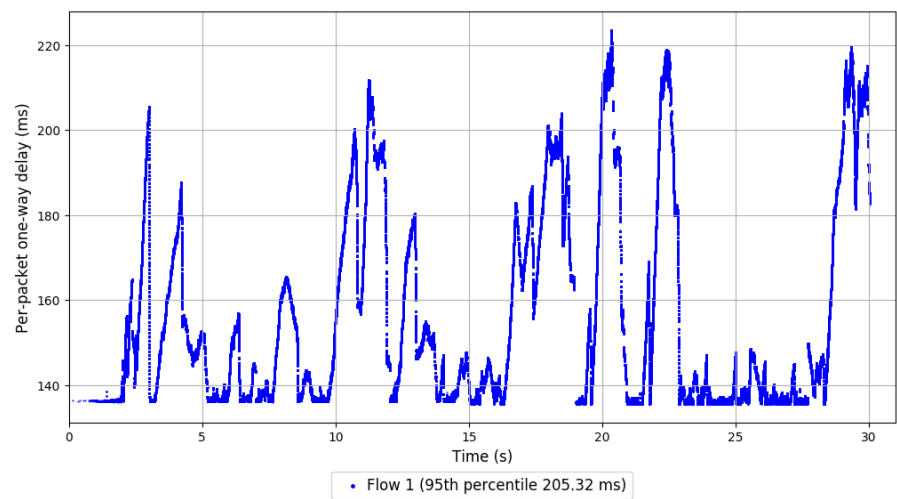
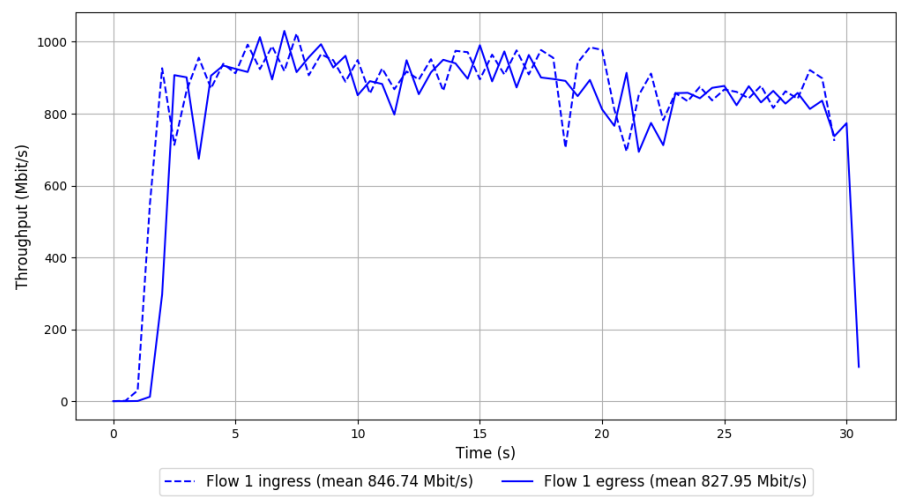
-- Flow 1:

Average throughput: 827.95 Mbit/s

95th percentile per-packet one-way delay: 205.323 ms

Loss rate: 2.22%

Run 8: Report of FillP — Data Link

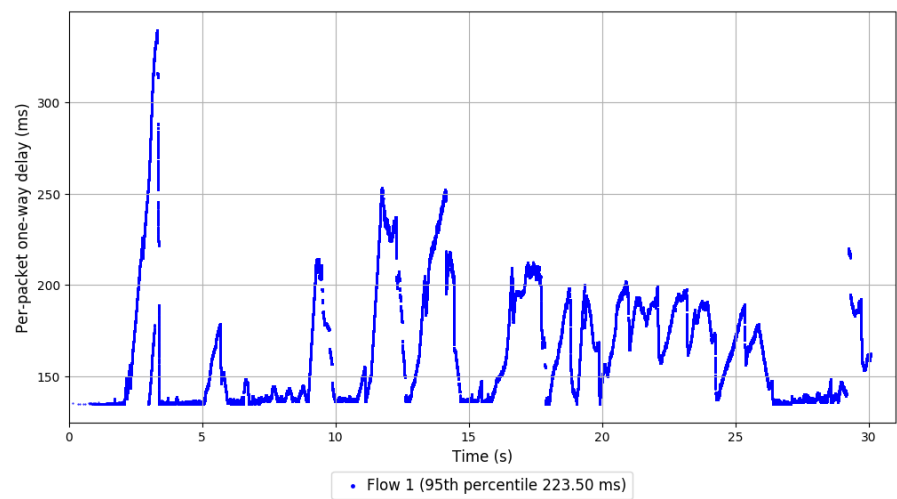
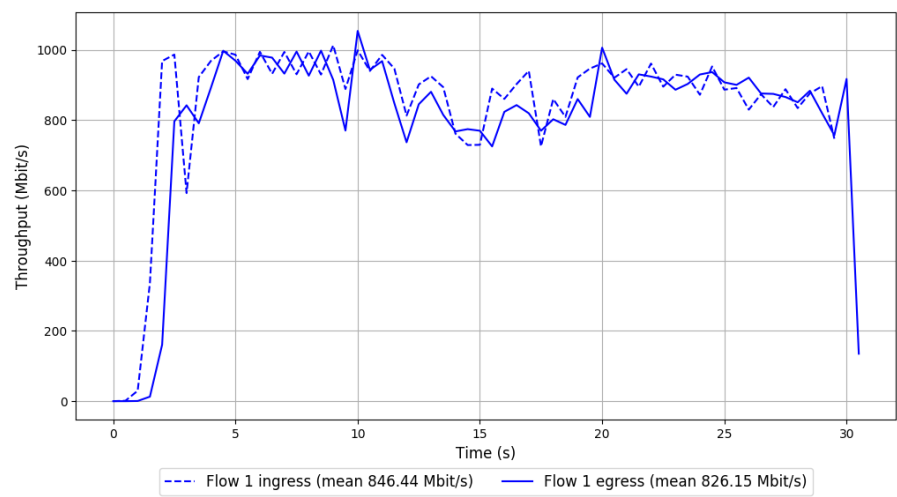


Run 9: Statistics of FillP

Start at: 2018-05-25 01:05:03
End at: 2018-05-25 01:05:33
Local clock offset: -0.099 ms
Remote clock offset: -0.167 ms

Below is generated by plot.py at 2018-05-25 02:24:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 826.15 Mbit/s
95th percentile per-packet one-way delay: 223.504 ms
Loss rate: 2.39%
-- Flow 1:
Average throughput: 826.15 Mbit/s
95th percentile per-packet one-way delay: 223.504 ms
Loss rate: 2.39%

Run 9: Report of FillP — Data Link

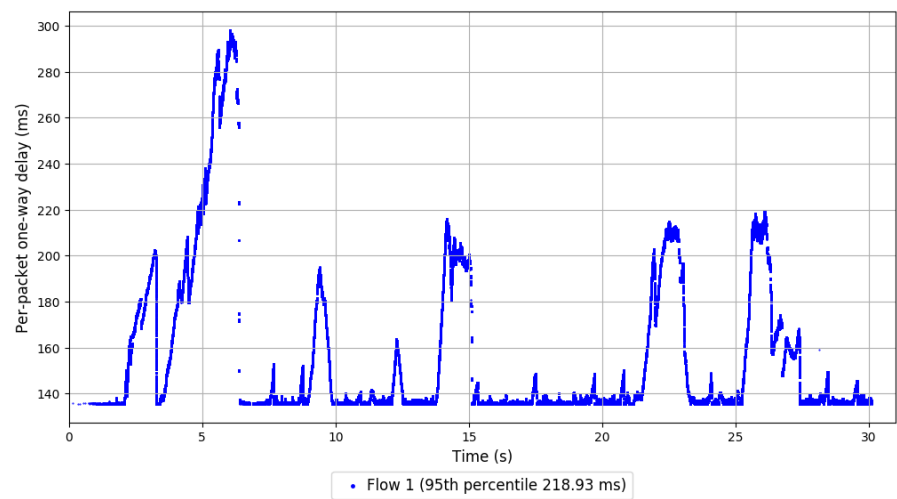
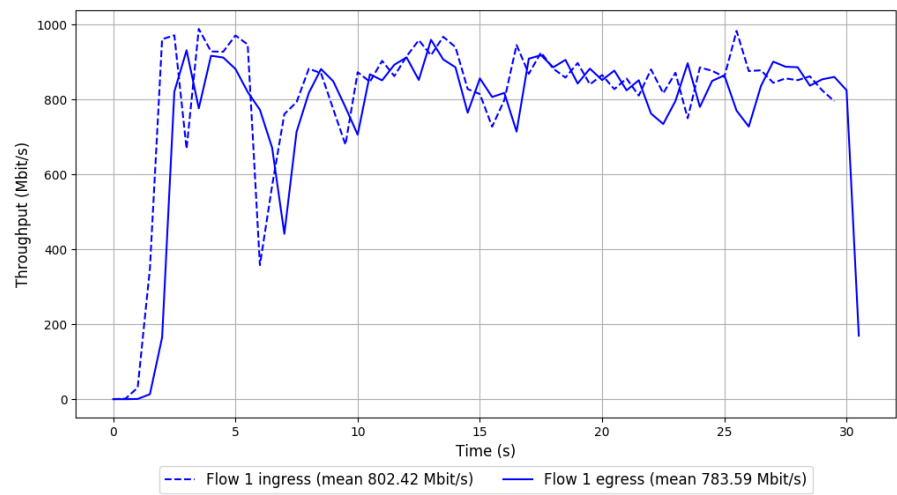


Run 10: Statistics of FillP

Start at: 2018-05-25 01:27:38
End at: 2018-05-25 01:28:08
Local clock offset: -0.01 ms
Remote clock offset: -0.187 ms

Below is generated by plot.py at 2018-05-25 02:24:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 783.59 Mbit/s
95th percentile per-packet one-way delay: 218.932 ms
Loss rate: 2.35%
-- Flow 1:
Average throughput: 783.59 Mbit/s
95th percentile per-packet one-way delay: 218.932 ms
Loss rate: 2.35%

Run 10: Report of FillP — Data Link



Run 1: Statistics of Indigo

Start at: 2018-05-24 22:03:48

End at: 2018-05-24 22:04:18

Local clock offset: -0.071 ms

Remote clock offset: -0.244 ms

Below is generated by plot.py at 2018-05-25 02:24:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.57 Mbit/s

95th percentile per-packet one-way delay: 136.149 ms

Loss rate: 0.00%

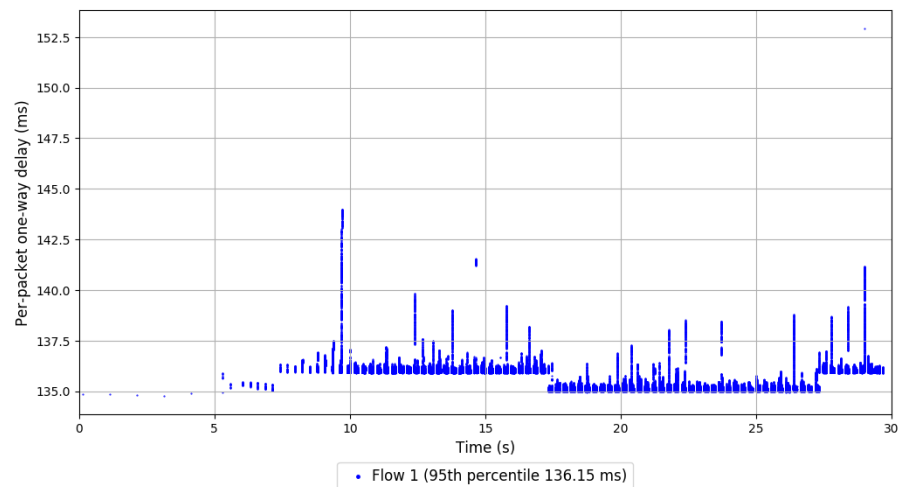
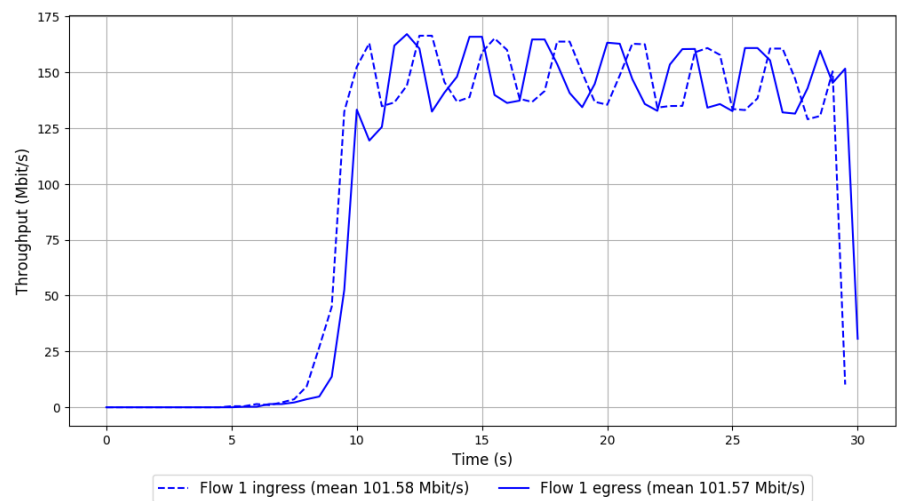
-- Flow 1:

Average throughput: 101.57 Mbit/s

95th percentile per-packet one-way delay: 136.149 ms

Loss rate: 0.00%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-05-24 22:25:48

End at: 2018-05-24 22:26:18

Local clock offset: 0.02 ms

Remote clock offset: -0.609 ms

Below is generated by plot.py at 2018-05-25 02:24:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 173.48 Mbit/s

95th percentile per-packet one-way delay: 135.528 ms

Loss rate: 0.00%

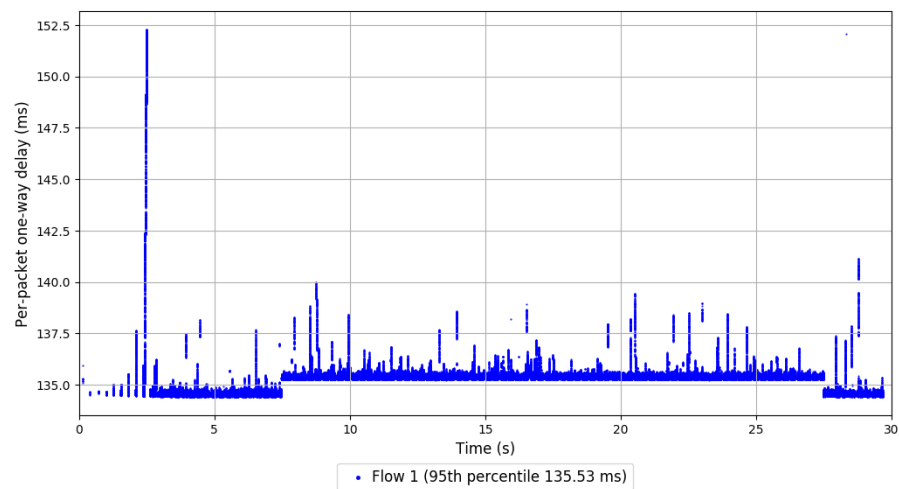
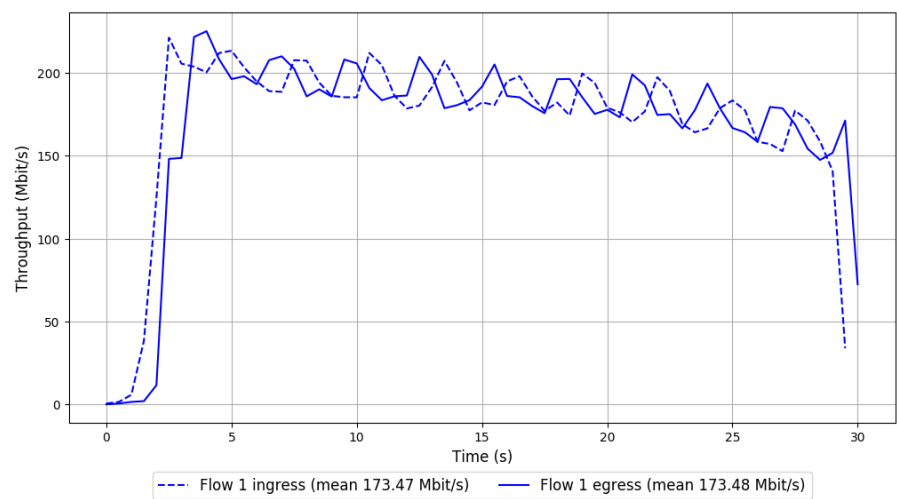
-- Flow 1:

Average throughput: 173.48 Mbit/s

95th percentile per-packet one-way delay: 135.528 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-05-24 22:46:40

End at: 2018-05-24 22:47:10

Local clock offset: -0.293 ms

Remote clock offset: -0.19 ms

Below is generated by plot.py at 2018-05-25 02:24:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 135.00 Mbit/s

95th percentile per-packet one-way delay: 136.259 ms

Loss rate: 0.00%

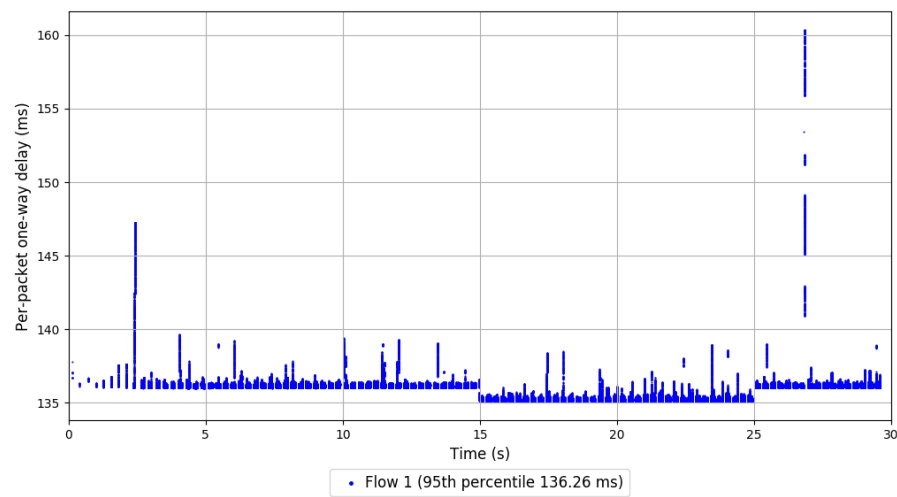
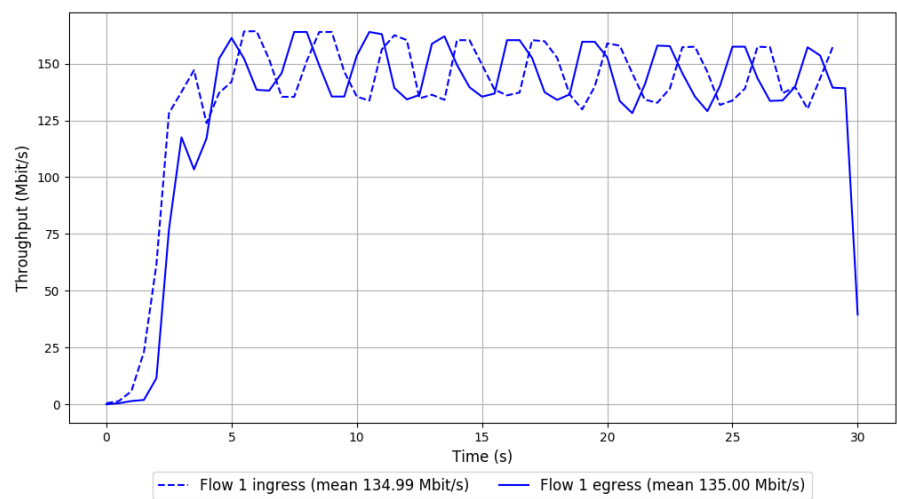
-- Flow 1:

Average throughput: 135.00 Mbit/s

95th percentile per-packet one-way delay: 136.259 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-05-24 23:07:48

End at: 2018-05-24 23:08:18

Local clock offset: 0.065 ms

Remote clock offset: -0.235 ms

Below is generated by plot.py at 2018-05-25 02:24:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.69 Mbit/s

95th percentile per-packet one-way delay: 136.665 ms

Loss rate: 0.00%

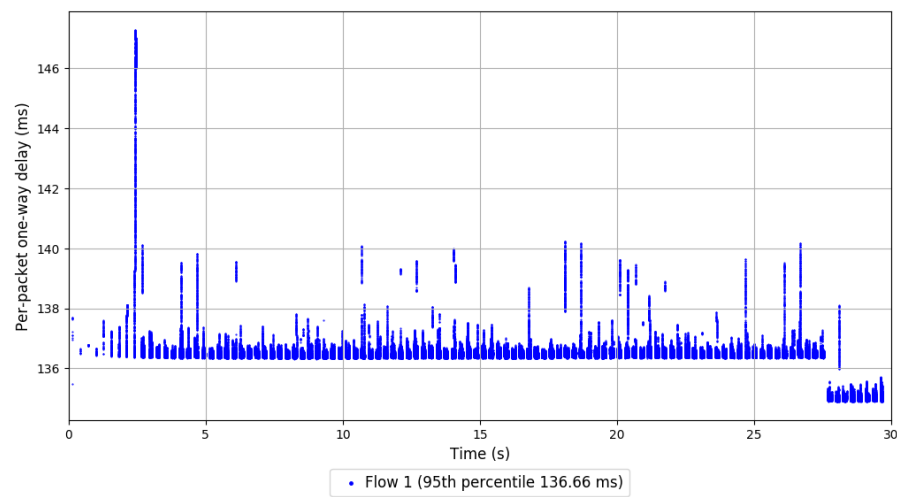
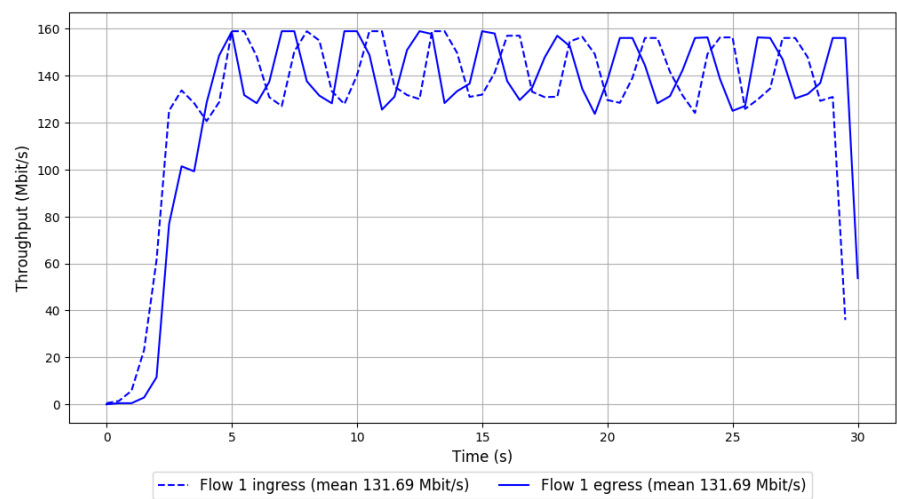
-- Flow 1:

Average throughput: 131.69 Mbit/s

95th percentile per-packet one-way delay: 136.665 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-05-24 23:29:04

End at: 2018-05-24 23:29:34

Local clock offset: 0.068 ms

Remote clock offset: -0.266 ms

Below is generated by plot.py at 2018-05-25 02:24:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 130.59 Mbit/s

95th percentile per-packet one-way delay: 136.658 ms

Loss rate: 0.01%

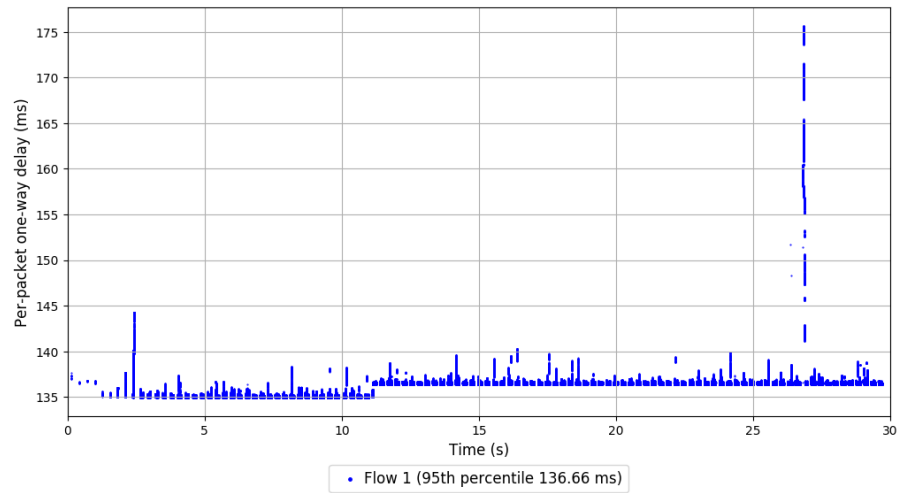
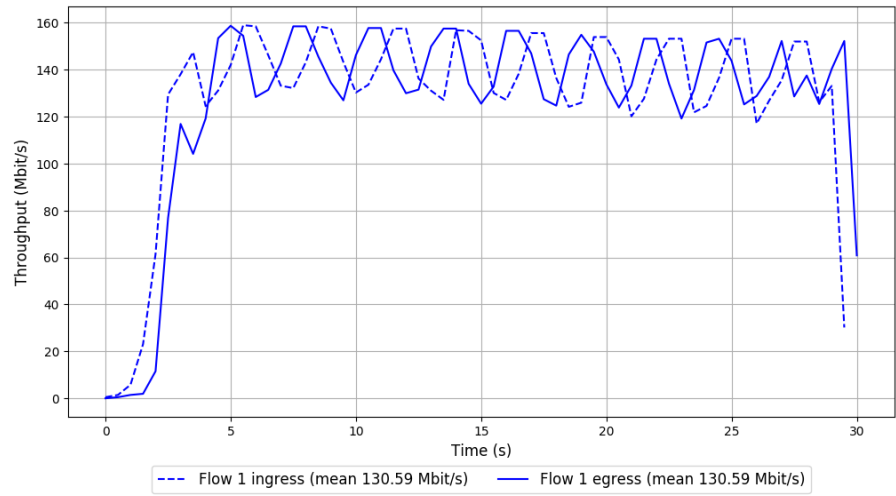
-- Flow 1:

Average throughput: 130.59 Mbit/s

95th percentile per-packet one-way delay: 136.658 ms

Loss rate: 0.01%

Run 5: Report of Indigo — Data Link

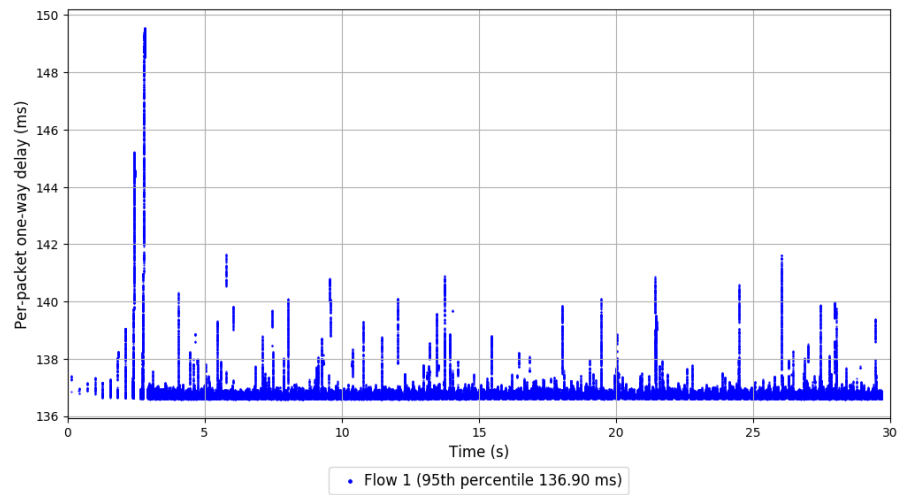
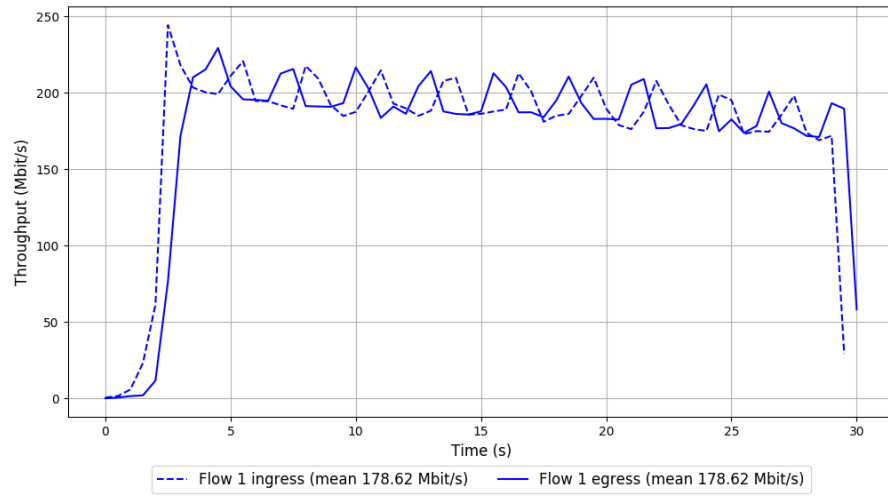


Run 6: Statistics of Indigo

Start at: 2018-05-24 23:51:00
End at: 2018-05-24 23:51:30
Local clock offset: -0.029 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-05-25 02:24:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 178.62 Mbit/s
95th percentile per-packet one-way delay: 136.896 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 178.62 Mbit/s
95th percentile per-packet one-way delay: 136.896 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-05-25 00:12:31

End at: 2018-05-25 00:13:02

Local clock offset: -0.32 ms

Remote clock offset: 0.269 ms

Below is generated by plot.py at 2018-05-25 02:24:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 140.30 Mbit/s

95th percentile per-packet one-way delay: 137.355 ms

Loss rate: 0.00%

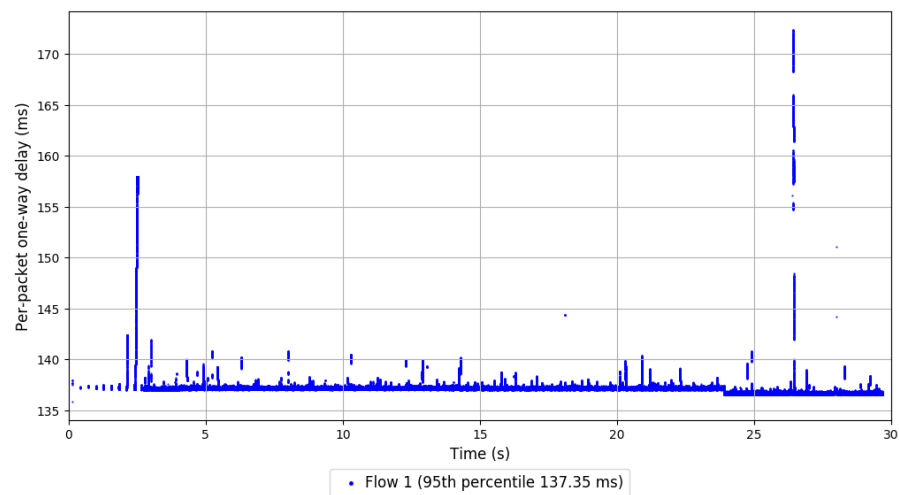
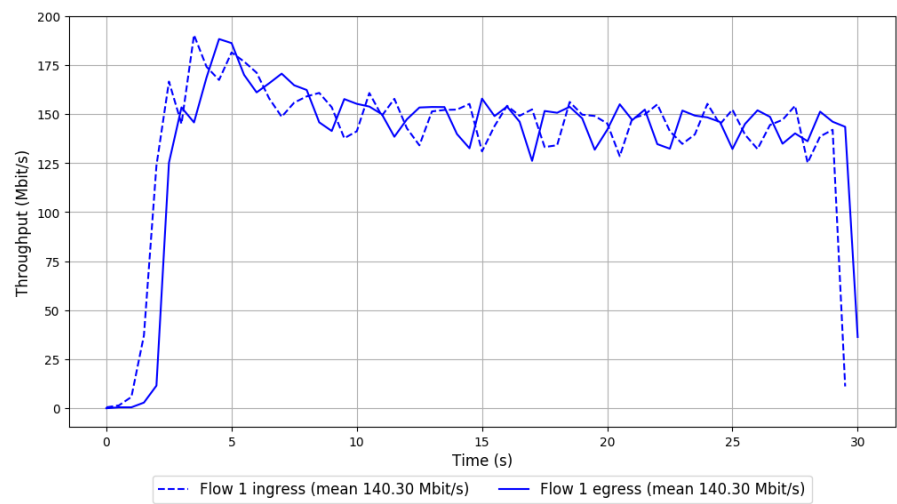
-- Flow 1:

Average throughput: 140.30 Mbit/s

95th percentile per-packet one-way delay: 137.355 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

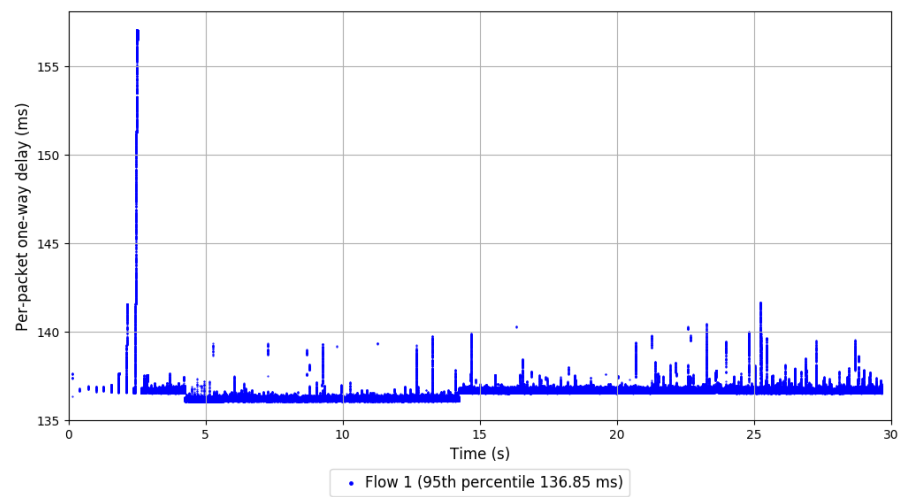
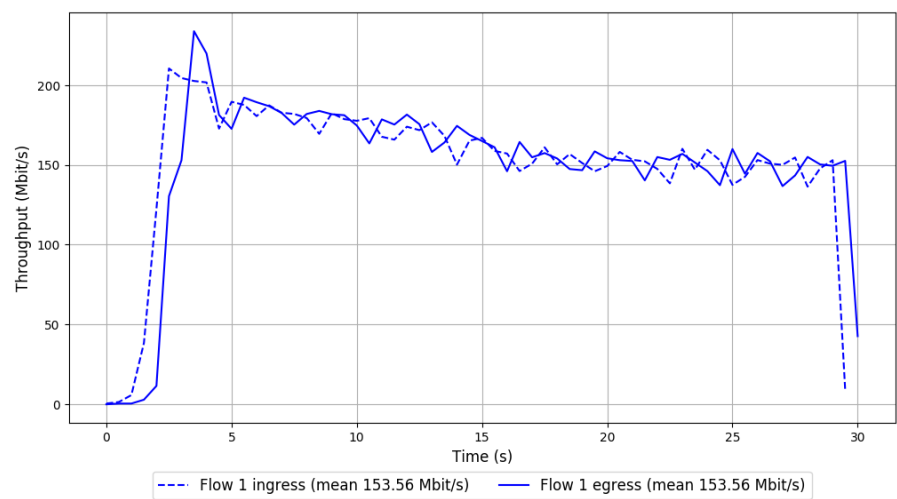


Run 8: Statistics of Indigo

Start at: 2018-05-25 00:33:41
End at: 2018-05-25 00:34:11
Local clock offset: -0.344 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2018-05-25 02:24:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 153.56 Mbit/s
95th percentile per-packet one-way delay: 136.853 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 153.56 Mbit/s
95th percentile per-packet one-way delay: 136.853 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

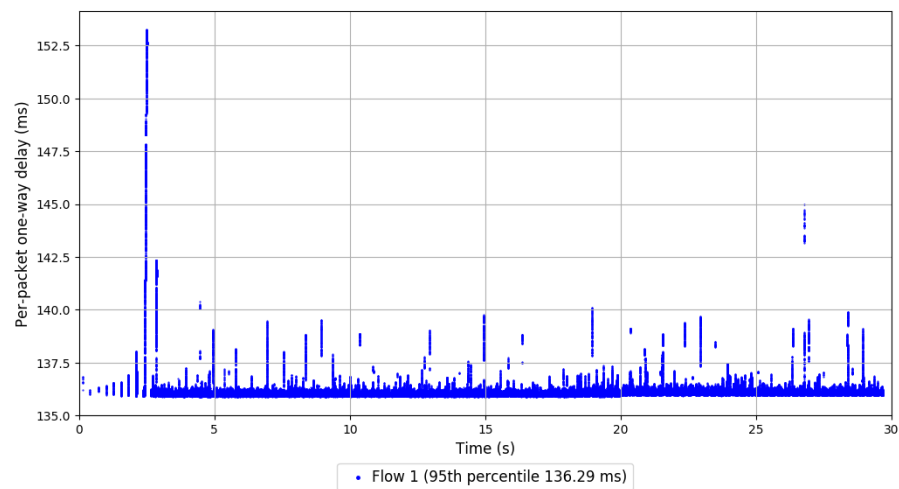
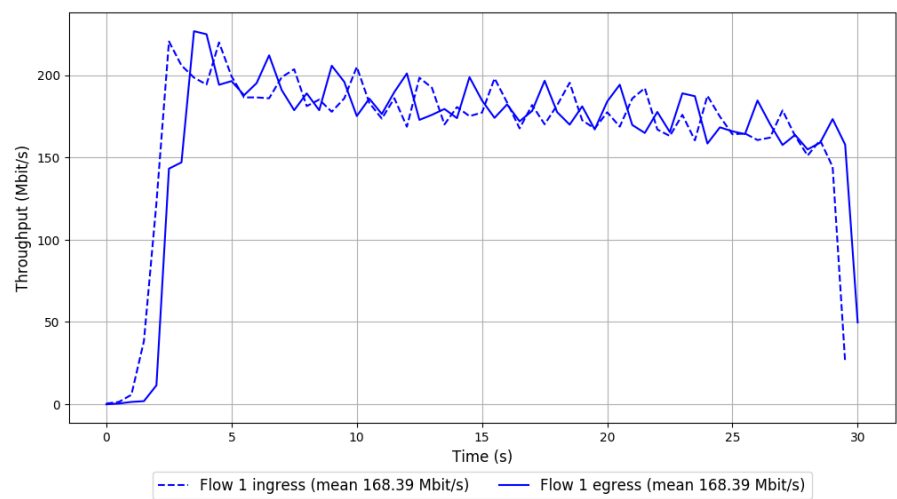


Run 9: Statistics of Indigo

Start at: 2018-05-25 00:55:55
End at: 2018-05-25 00:56:25
Local clock offset: -0.108 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-05-25 02:24:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 168.39 Mbit/s
95th percentile per-packet one-way delay: 136.295 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 168.39 Mbit/s
95th percentile per-packet one-way delay: 136.295 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link

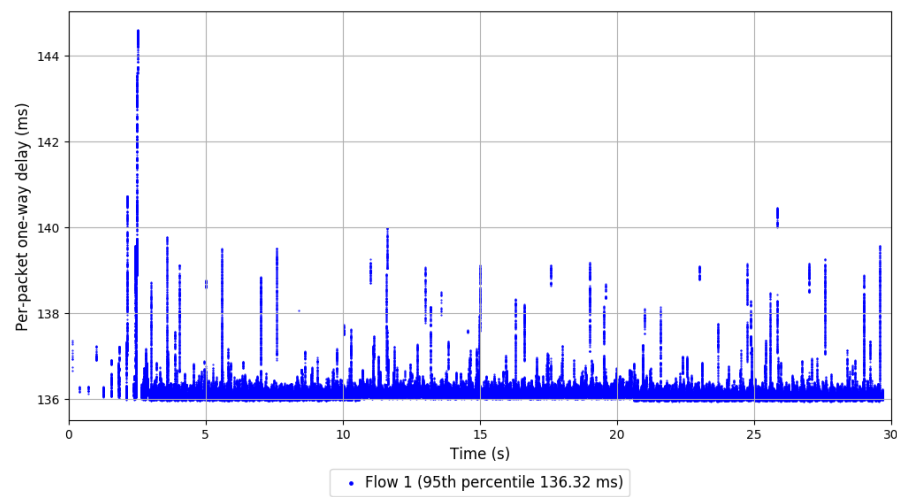
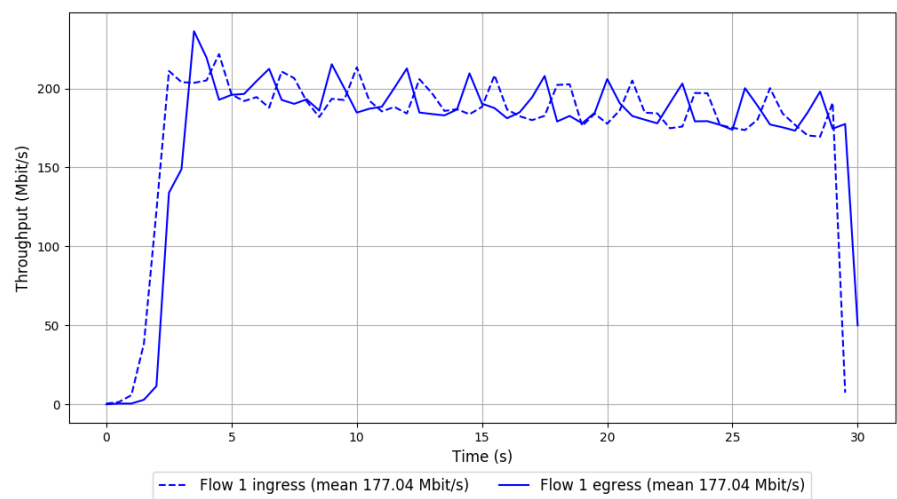


Run 10: Statistics of Indigo

Start at: 2018-05-25 01:18:35
End at: 2018-05-25 01:19:05
Local clock offset: -0.198 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2018-05-25 02:24:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 177.04 Mbit/s
95th percentile per-packet one-way delay: 136.324 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 177.04 Mbit/s
95th percentile per-packet one-way delay: 136.324 ms
Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

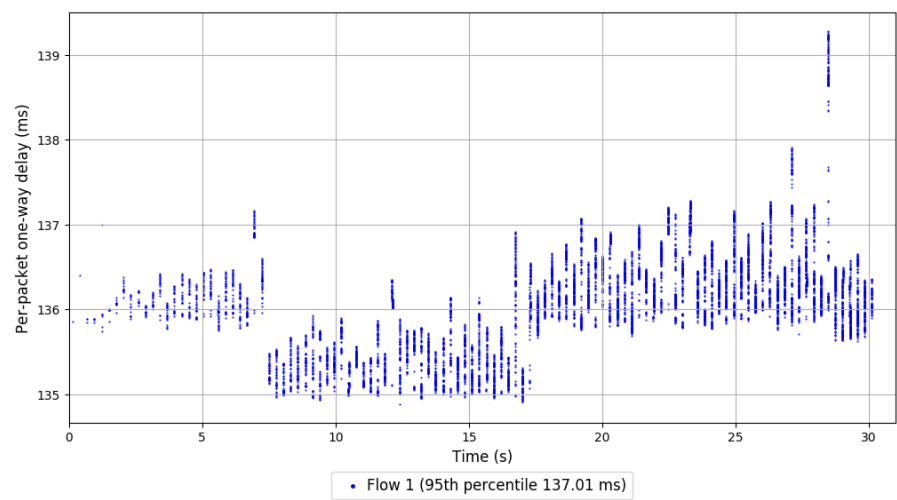
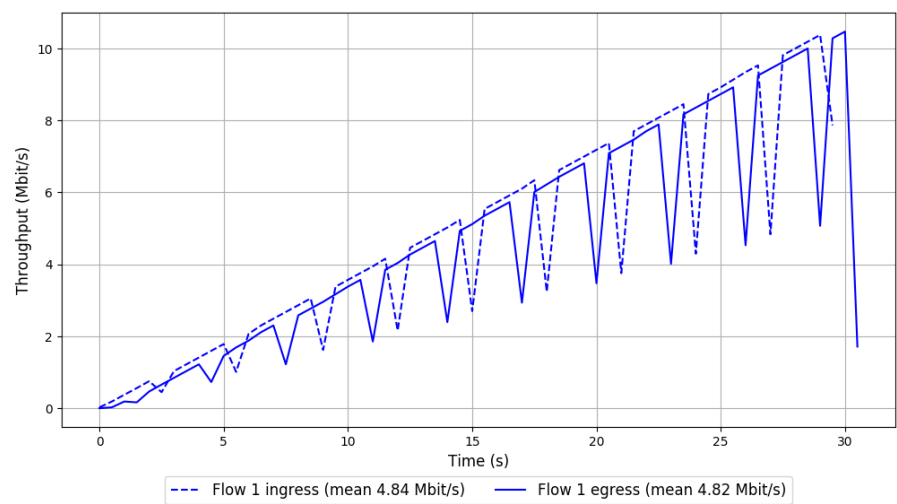


```
Run 1: Statistics of LEDBAT

Start at: 2018-05-24 22:11:48
End at: 2018-05-24 22:12:18
Local clock offset: 0.149 ms
Remote clock offset: -0.216 ms

# Below is generated by plot.py at 2018-05-25 02:24:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.82 Mbit/s
95th percentile per-packet one-way delay: 137.010 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 4.82 Mbit/s
95th percentile per-packet one-way delay: 137.010 ms
Loss rate: 0.31%
```

Run 1: Report of LEDBAT — Data Link

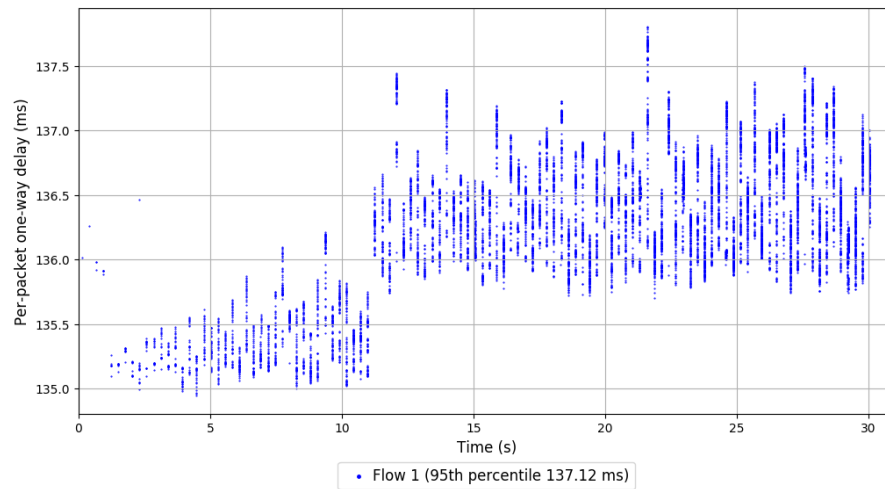
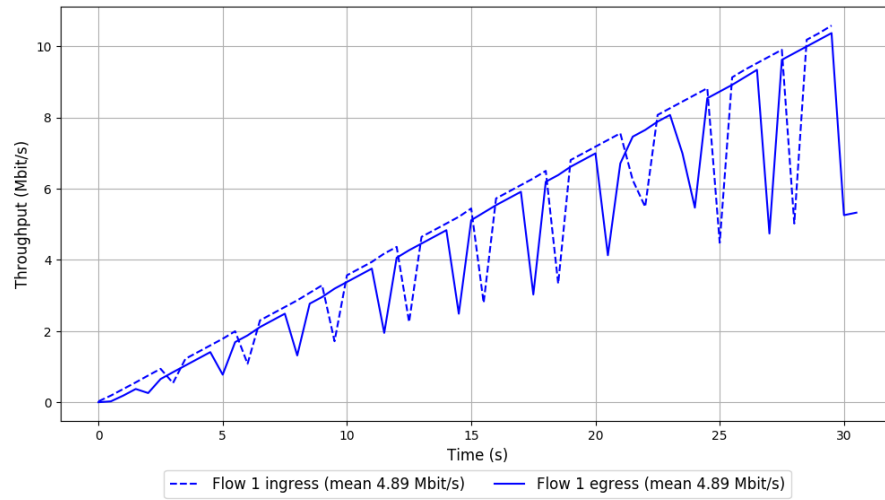


Run 2: Statistics of LEDBAT

Start at: 2018-05-24 22:33:15
End at: 2018-05-24 22:33:45
Local clock offset: -0.394 ms
Remote clock offset: -0.541 ms

Below is generated by plot.py at 2018-05-25 02:24:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.89 Mbit/s
95th percentile per-packet one-way delay: 137.119 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.89 Mbit/s
95th percentile per-packet one-way delay: 137.119 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

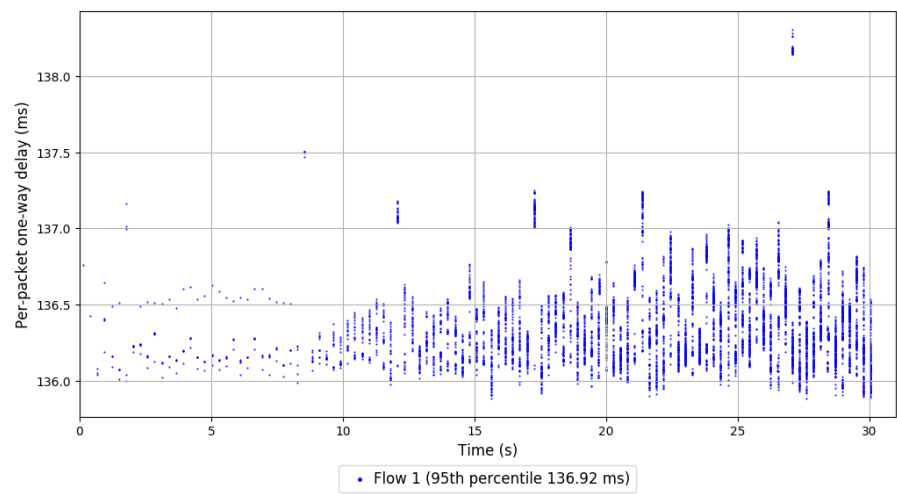
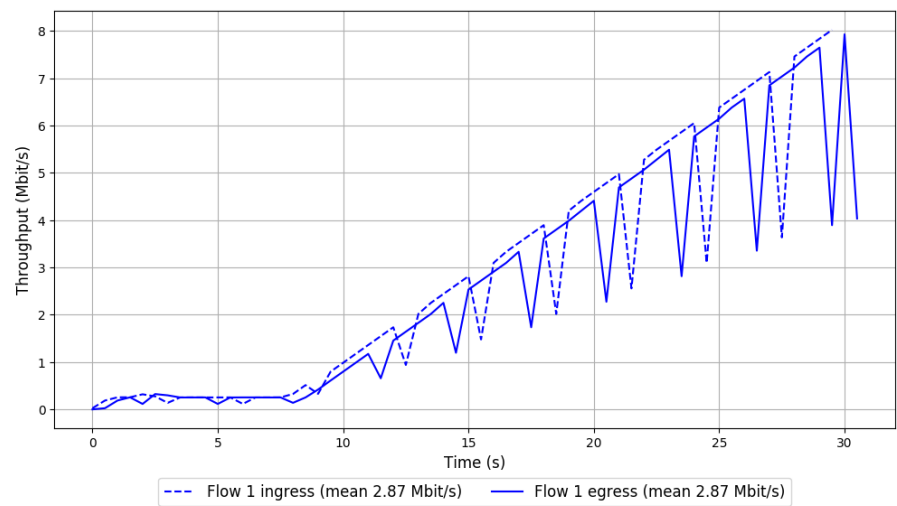


Run 3: Statistics of LEDBAT

Start at: 2018-05-24 22:54:08
End at: 2018-05-24 22:54:38
Local clock offset: -0.104 ms
Remote clock offset: -0.197 ms

Below is generated by plot.py at 2018-05-25 02:24:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.87 Mbit/s
95th percentile per-packet one-way delay: 136.917 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.87 Mbit/s
95th percentile per-packet one-way delay: 136.917 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-05-24 23:15:24

End at: 2018-05-24 23:15:54

Local clock offset: -0.131 ms

Remote clock offset: -0.65 ms

Below is generated by plot.py at 2018-05-25 02:24:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.83 Mbit/s

95th percentile per-packet one-way delay: 137.616 ms

Loss rate: 0.00%

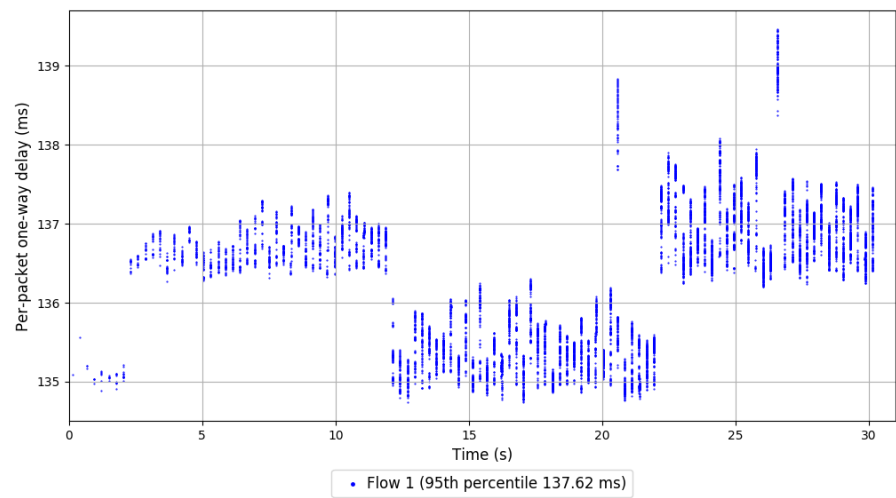
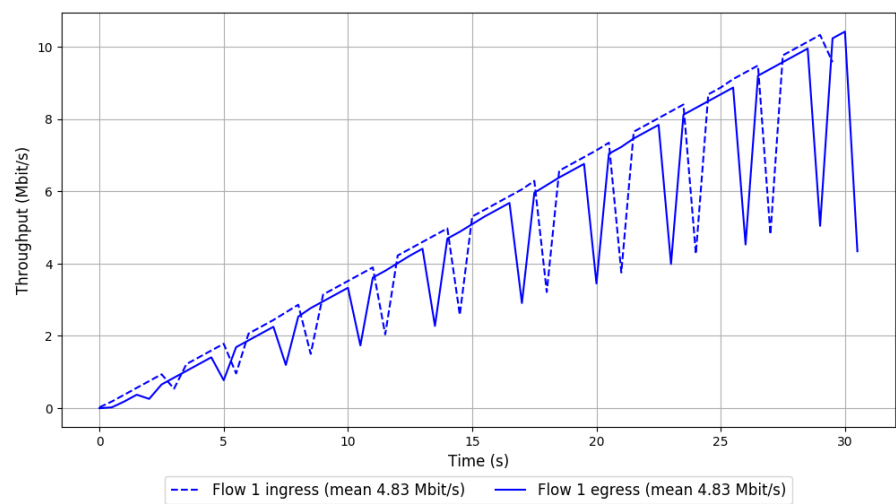
-- Flow 1:

Average throughput: 4.83 Mbit/s

95th percentile per-packet one-way delay: 137.616 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

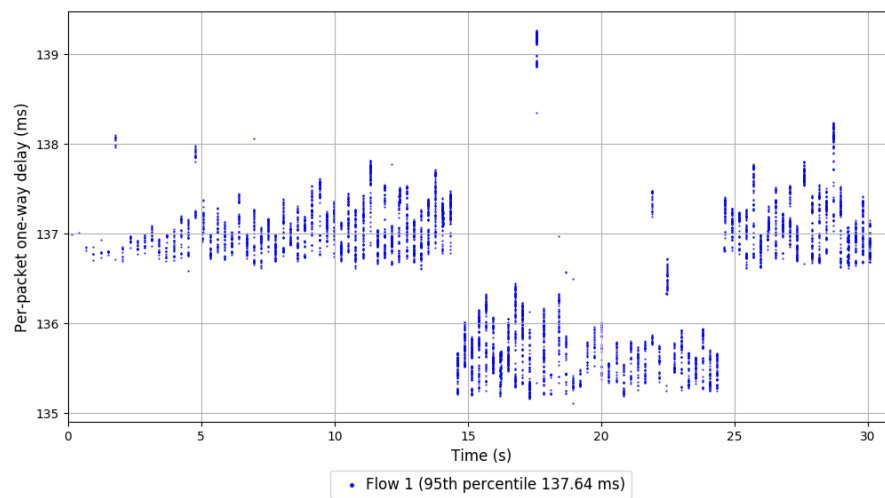
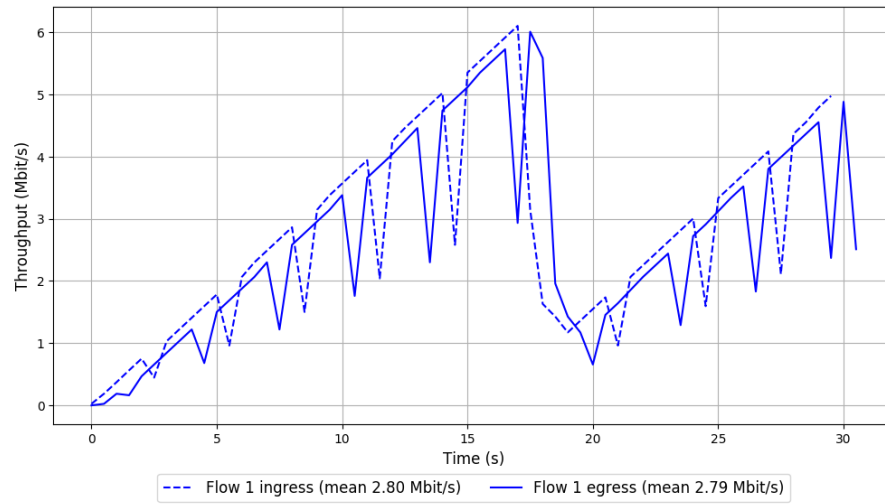


Run 5: Statistics of LEDBAT

Start at: 2018-05-24 23:36:41
End at: 2018-05-24 23:37:11
Local clock offset: -0.039 ms
Remote clock offset: -0.167 ms

Below is generated by plot.py at 2018-05-25 02:24:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.79 Mbit/s
95th percentile per-packet one-way delay: 137.638 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 2.79 Mbit/s
95th percentile per-packet one-way delay: 137.638 ms
Loss rate: 0.18%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-05-24 23:58:42

End at: 2018-05-24 23:59:12

Local clock offset: -0.266 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-05-25 02:24:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.98 Mbit/s

95th percentile per-packet one-way delay: 138.165 ms

Loss rate: 0.00%

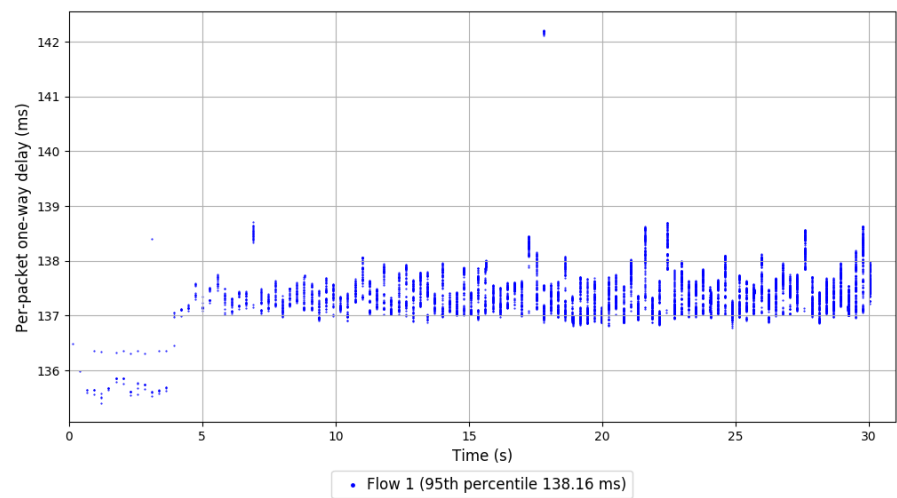
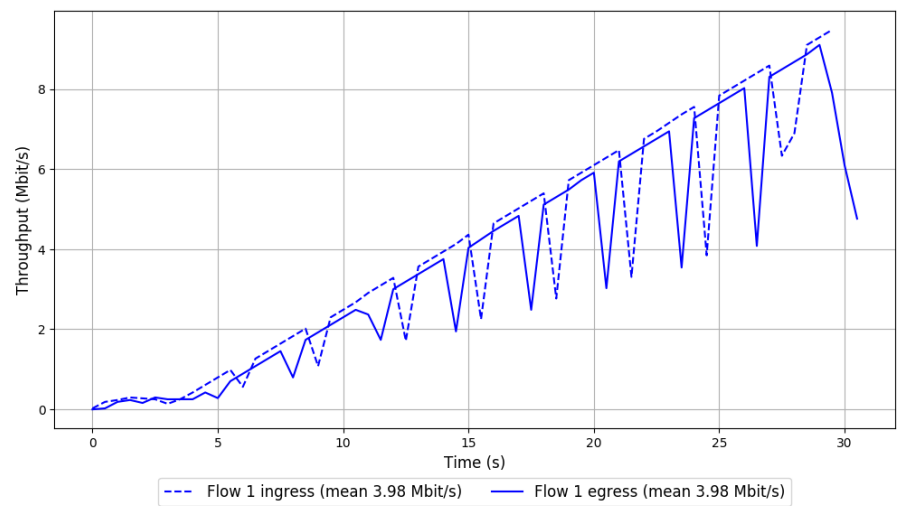
-- Flow 1:

Average throughput: 3.98 Mbit/s

95th percentile per-packet one-way delay: 138.165 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

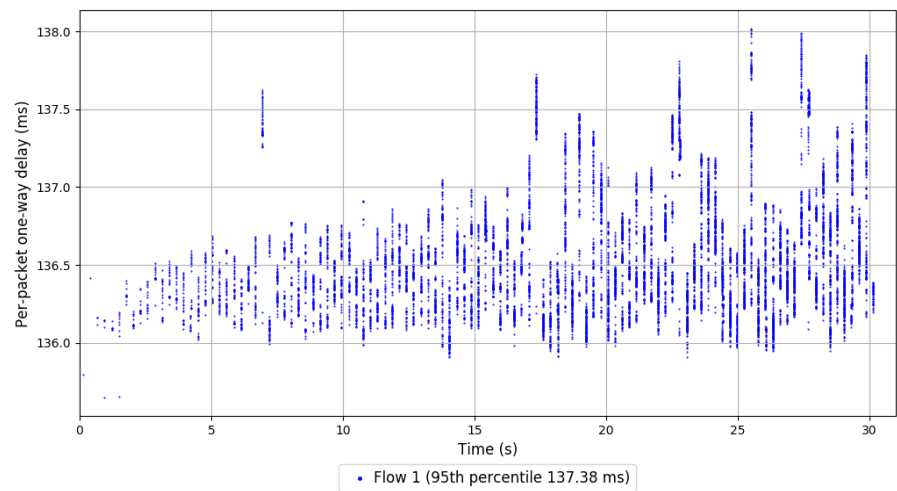
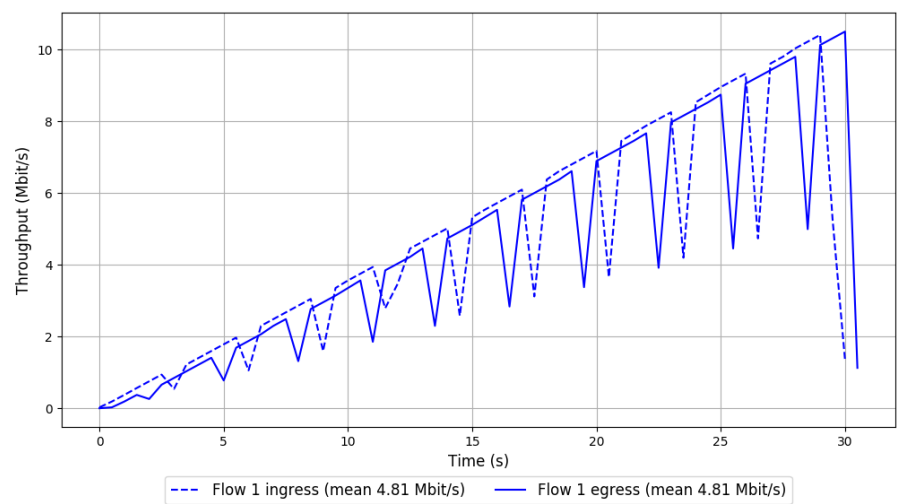


Run 7: Statistics of LEDBAT

Start at: 2018-05-25 00:20:03
End at: 2018-05-25 00:20:33
Local clock offset: 0.003 ms
Remote clock offset: -0.513 ms

Below is generated by plot.py at 2018-05-25 02:24:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.81 Mbit/s
95th percentile per-packet one-way delay: 137.380 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 4.81 Mbit/s
95th percentile per-packet one-way delay: 137.380 ms
Loss rate: 0.08%

Run 7: Report of LEDBAT — Data Link

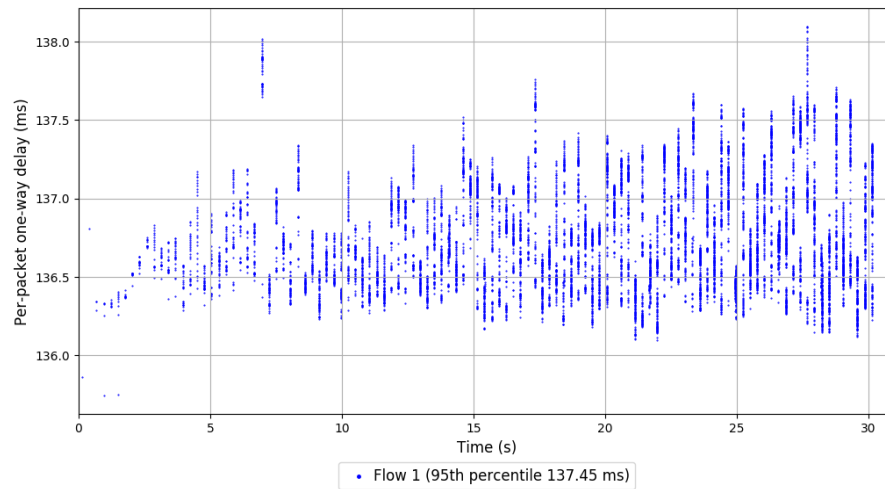
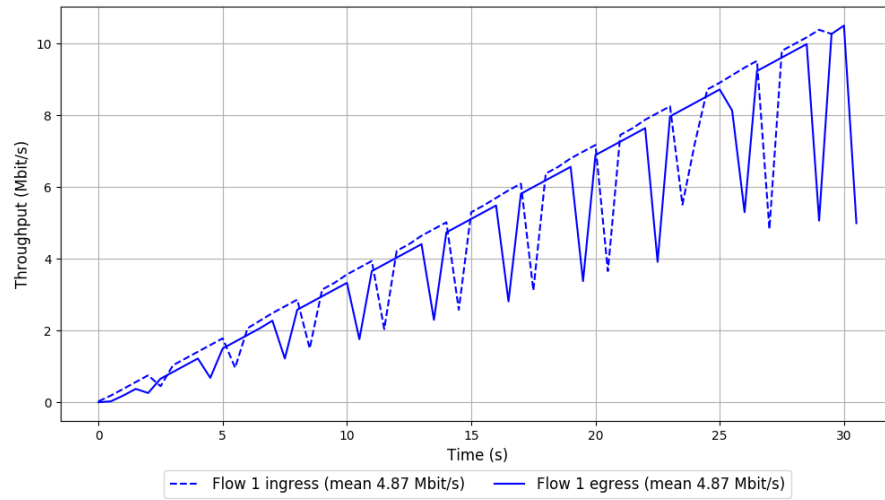


Run 8: Statistics of LEDBAT

Start at: 2018-05-25 00:41:31
End at: 2018-05-25 00:42:01
Local clock offset: -0.372 ms
Remote clock offset: -0.171 ms

Below is generated by plot.py at 2018-05-25 02:24:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.87 Mbit/s
95th percentile per-packet one-way delay: 137.454 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.87 Mbit/s
95th percentile per-packet one-way delay: 137.454 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-05-25 01:03:54

End at: 2018-05-25 01:04:24

Local clock offset: -0.089 ms

Remote clock offset: 0.22 ms

Below is generated by plot.py at 2018-05-25 02:24:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.88 Mbit/s

95th percentile per-packet one-way delay: 137.690 ms

Loss rate: 0.00%

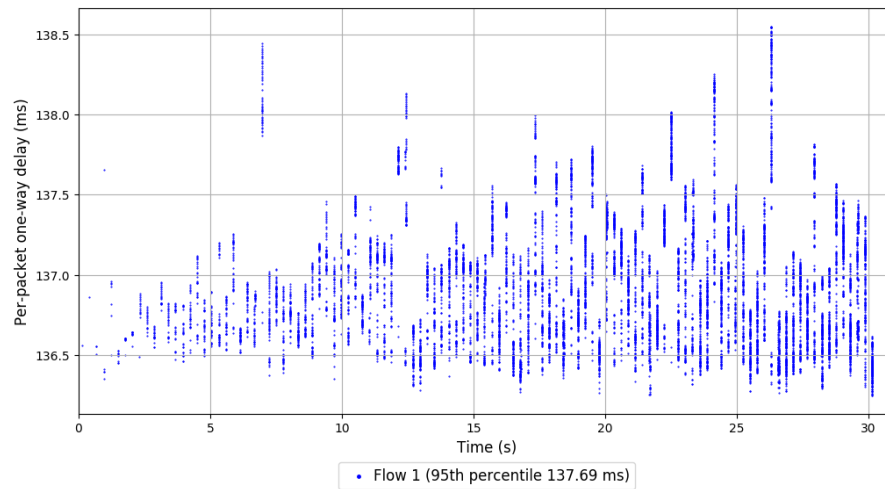
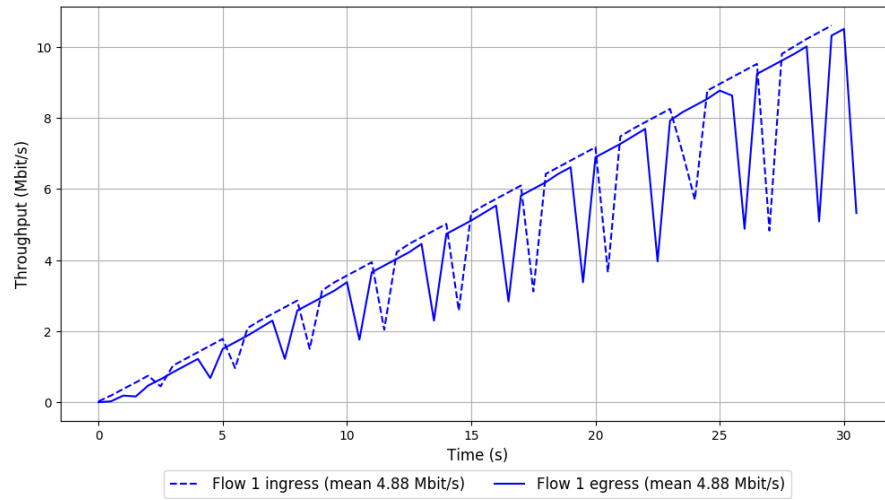
-- Flow 1:

Average throughput: 4.88 Mbit/s

95th percentile per-packet one-way delay: 137.690 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

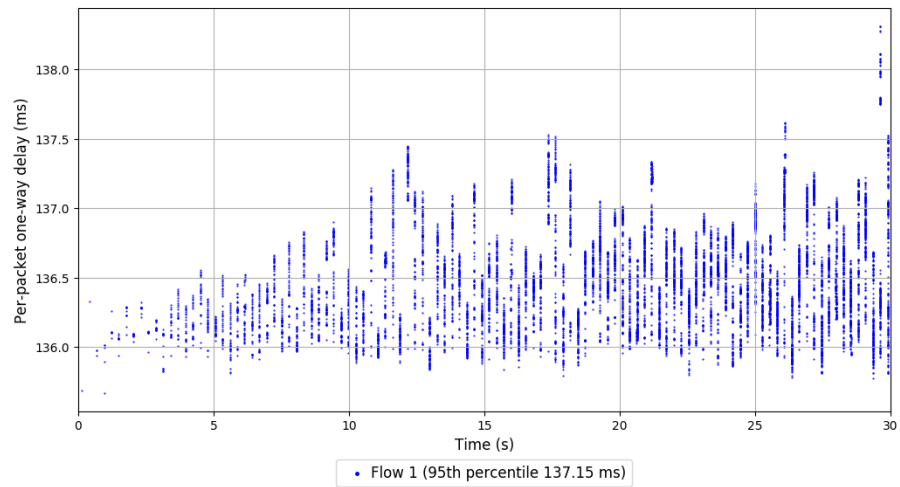
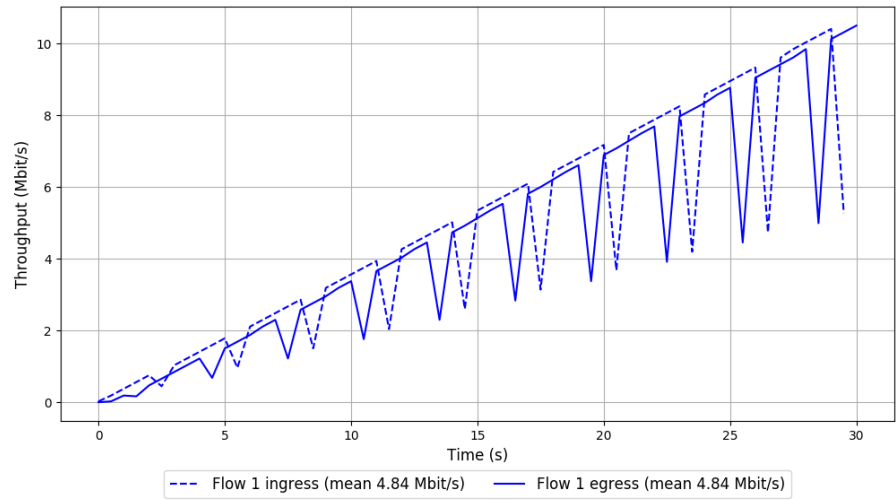


Run 10: Statistics of LEDBAT

Start at: 2018-05-25 01:26:29
End at: 2018-05-25 01:26:59
Local clock offset: 0.09 ms
Remote clock offset: -0.163 ms

Below is generated by plot.py at 2018-05-25 02:24:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 137.150 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 137.150 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

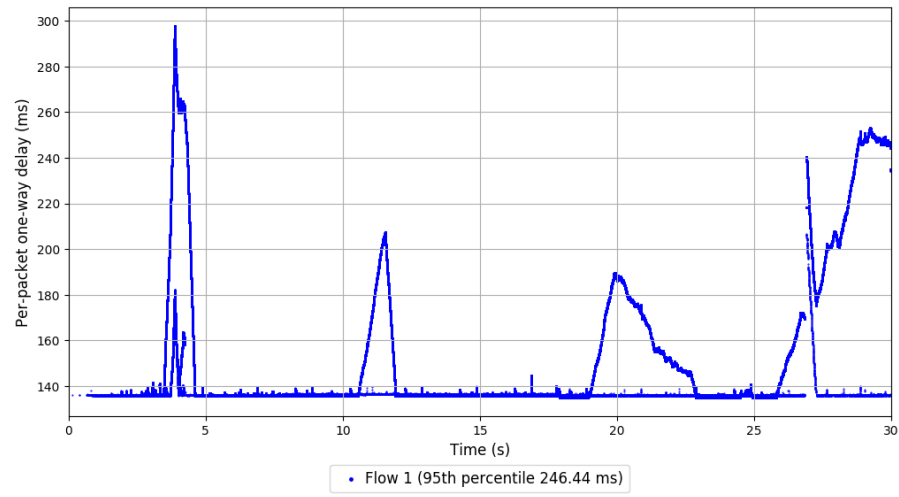
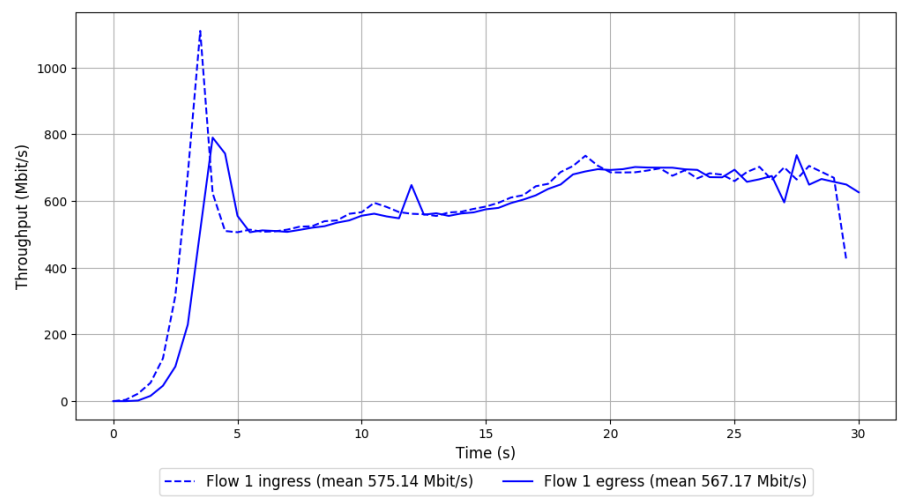


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-05-24 22:17:58
End at: 2018-05-24 22:18:28
Local clock offset: -0.002 ms
Remote clock offset: -0.227 ms

# Below is generated by plot.py at 2018-05-25 02:24:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 567.17 Mbit/s
95th percentile per-packet one-way delay: 246.438 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 567.17 Mbit/s
95th percentile per-packet one-way delay: 246.438 ms
Loss rate: 1.39%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-05-24 22:38:53

End at: 2018-05-24 22:39:23

Local clock offset: -0.238 ms

Remote clock offset: -0.201 ms

Below is generated by plot.py at 2018-05-25 02:24:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 562.50 Mbit/s

95th percentile per-packet one-way delay: 263.515 ms

Loss rate: 1.71%

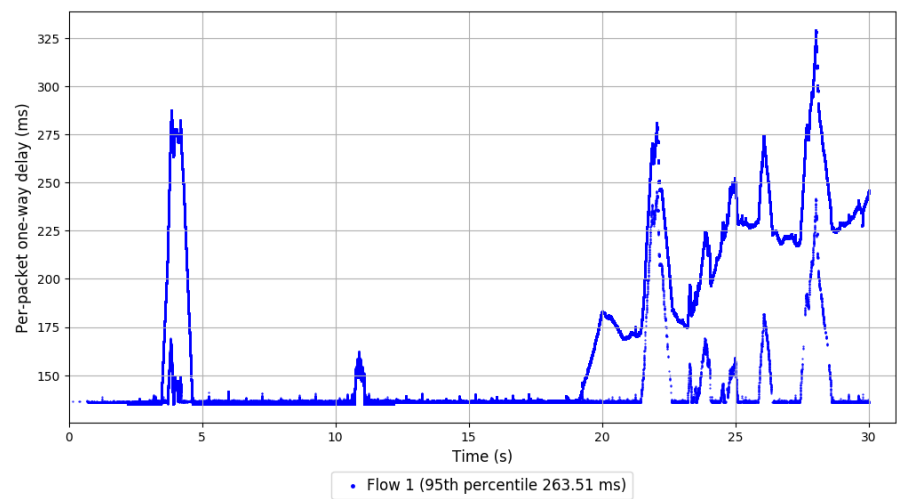
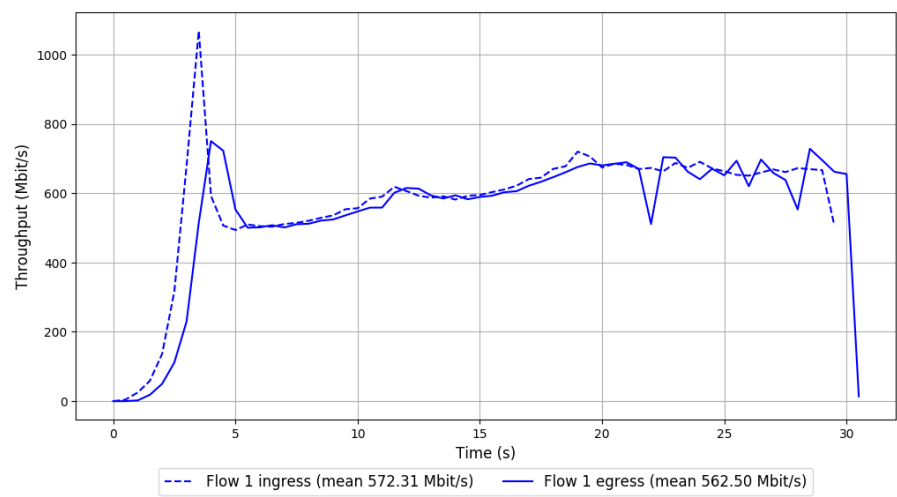
-- Flow 1:

Average throughput: 562.50 Mbit/s

95th percentile per-packet one-way delay: 263.515 ms

Loss rate: 1.71%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-05-24 23:00:02

End at: 2018-05-24 23:00:32

Local clock offset: -0.219 ms

Remote clock offset: -0.631 ms

Below is generated by plot.py at 2018-05-25 02:24:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 558.12 Mbit/s

95th percentile per-packet one-way delay: 169.634 ms

Loss rate: 0.83%

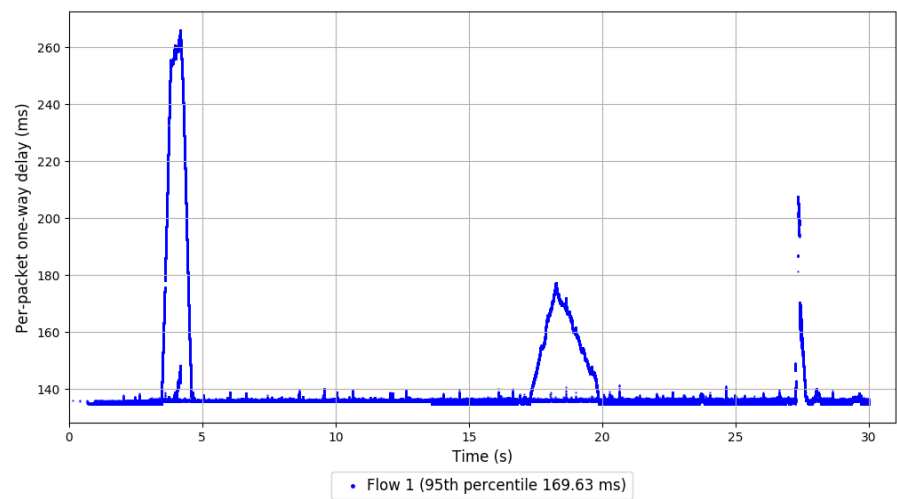
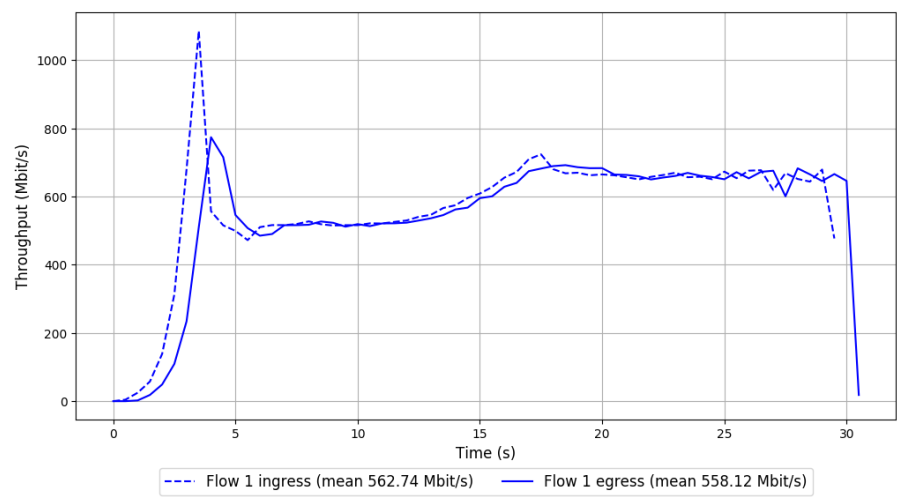
-- Flow 1:

Average throughput: 558.12 Mbit/s

95th percentile per-packet one-way delay: 169.634 ms

Loss rate: 0.83%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-05-24 23:21:16

End at: 2018-05-24 23:21:46

Local clock offset: 0.063 ms

Remote clock offset: -0.693 ms

Below is generated by plot.py at 2018-05-25 02:24:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 567.10 Mbit/s

95th percentile per-packet one-way delay: 180.711 ms

Loss rate: 0.58%

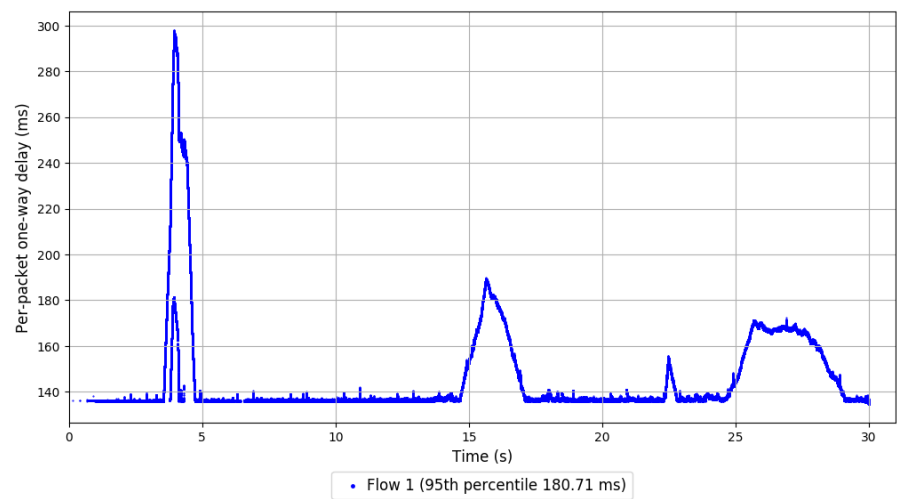
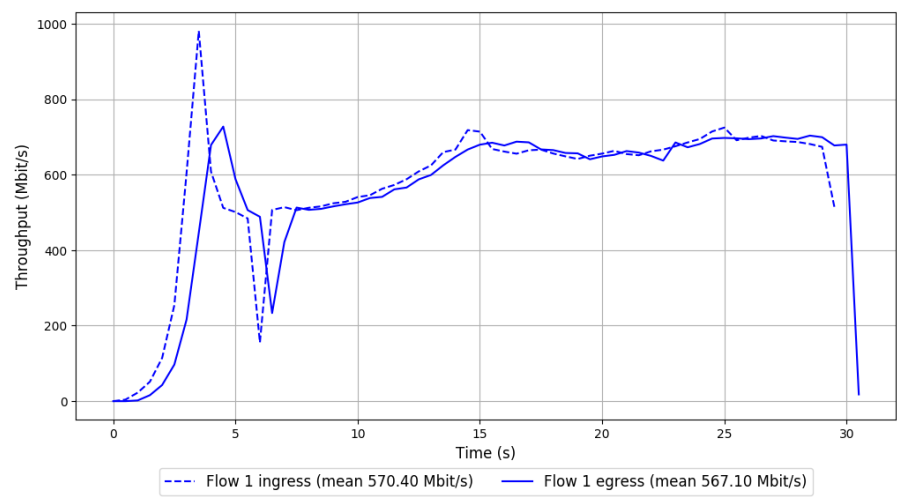
-- Flow 1:

Average throughput: 567.10 Mbit/s

95th percentile per-packet one-way delay: 180.711 ms

Loss rate: 0.58%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-05-24 23:42:55

End at: 2018-05-24 23:43:25

Local clock offset: 0.193 ms

Remote clock offset: -0.511 ms

Below is generated by plot.py at 2018-05-25 02:24:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 574.04 Mbit/s

95th percentile per-packet one-way delay: 172.249 ms

Loss rate: 0.81%

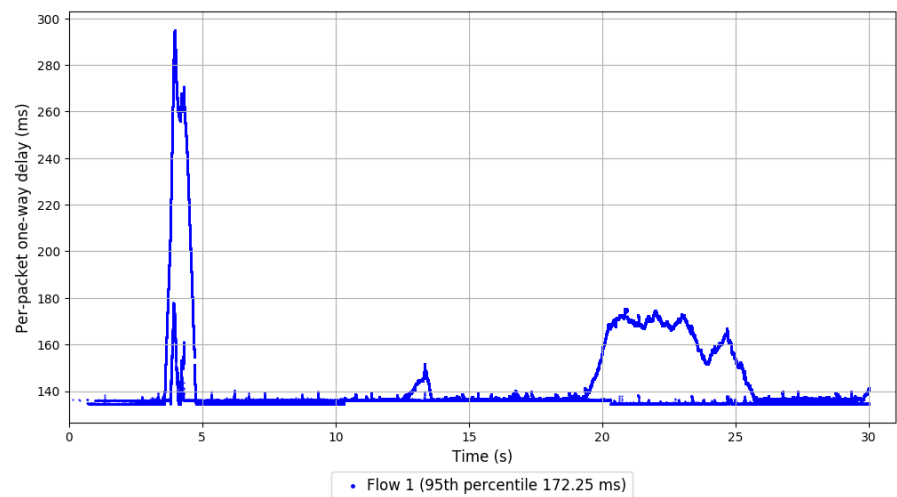
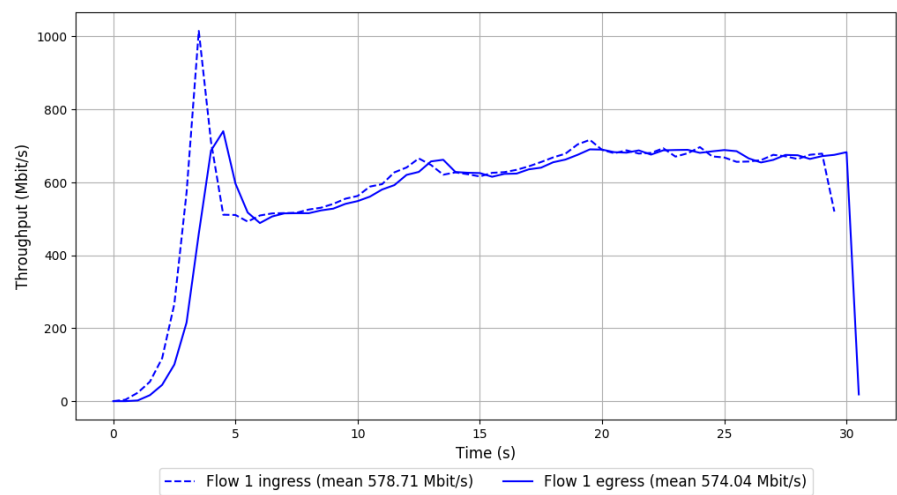
-- Flow 1:

Average throughput: 574.04 Mbit/s

95th percentile per-packet one-way delay: 172.249 ms

Loss rate: 0.81%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-05-25 00:04:34

End at: 2018-05-25 00:05:04

Local clock offset: 0.117 ms

Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-05-25 02:24:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 545.87 Mbit/s

95th percentile per-packet one-way delay: 199.996 ms

Loss rate: 1.22%

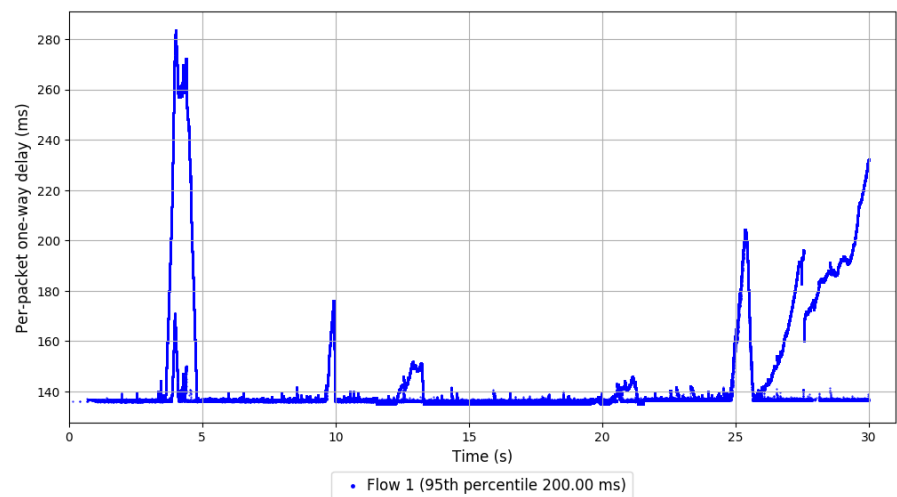
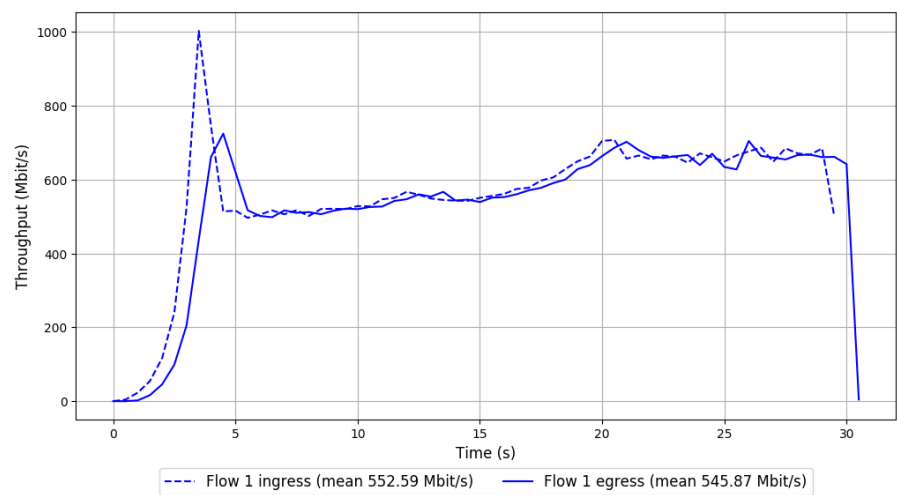
-- Flow 1:

Average throughput: 545.87 Mbit/s

95th percentile per-packet one-way delay: 199.996 ms

Loss rate: 1.22%

Run 6: Report of PCC-Allegro — Data Link

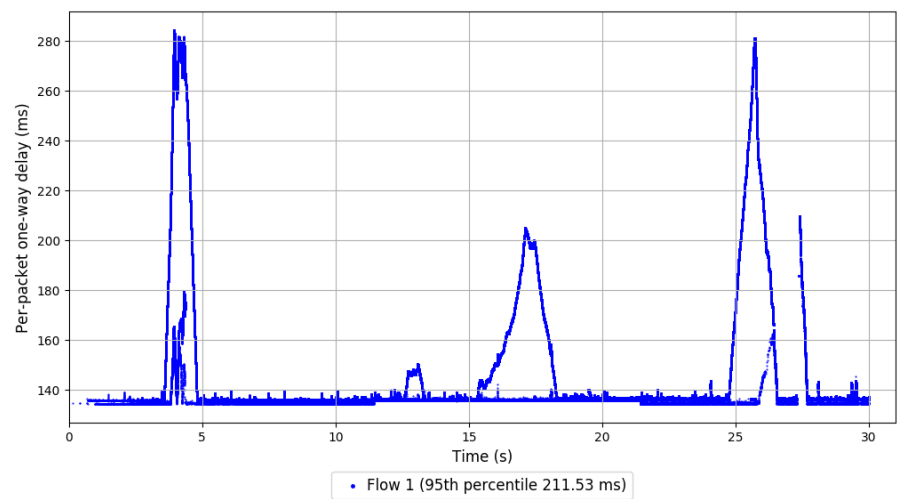
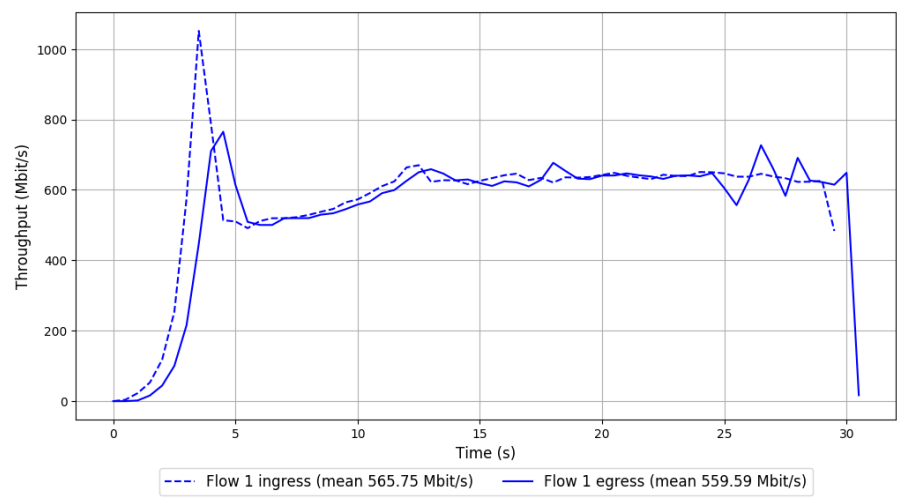


Run 7: Statistics of PCC-Allegro

Start at: 2018-05-25 00:25:59
End at: 2018-05-25 00:26:29
Local clock offset: 0.025 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2018-05-25 02:32:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 559.59 Mbit/s
95th percentile per-packet one-way delay: 211.535 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 559.59 Mbit/s
95th percentile per-packet one-way delay: 211.535 ms
Loss rate: 1.08%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-05-25 00:47:58

End at: 2018-05-25 00:48:28

Local clock offset: 0.096 ms

Remote clock offset: -0.169 ms

Below is generated by plot.py at 2018-05-25 02:32:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 572.84 Mbit/s

95th percentile per-packet one-way delay: 185.833 ms

Loss rate: 0.79%

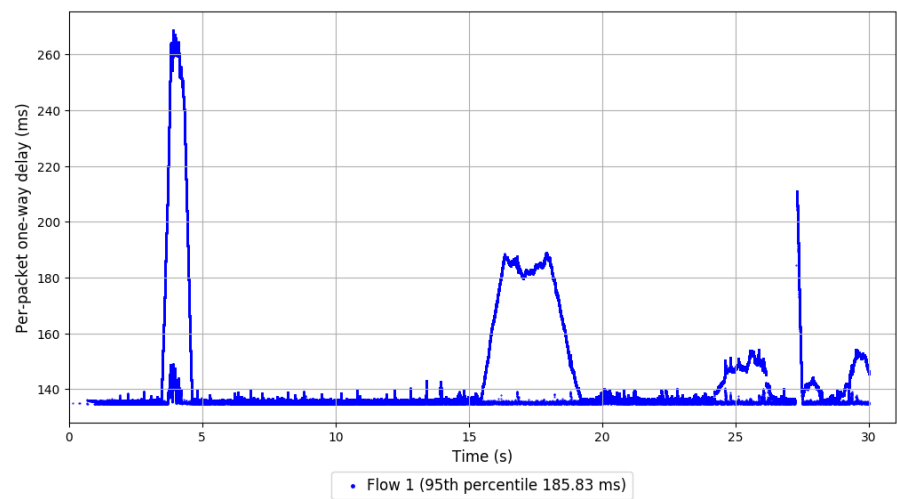
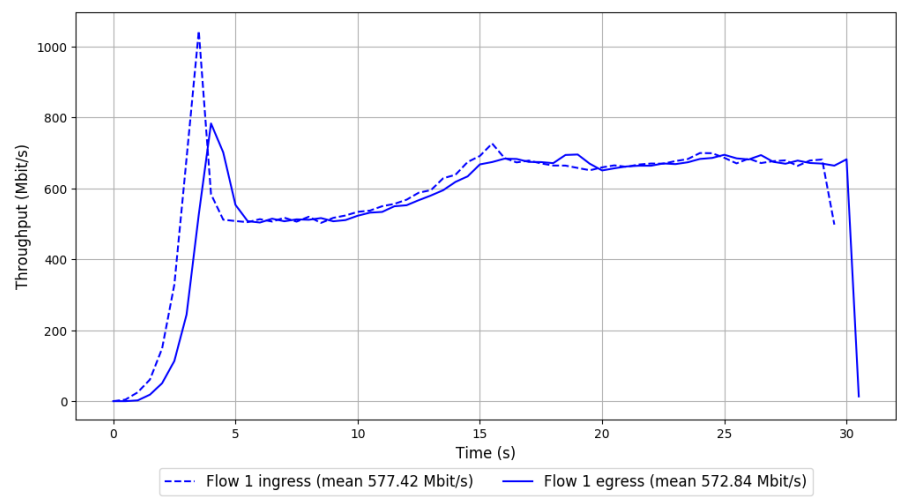
-- Flow 1:

Average throughput: 572.84 Mbit/s

95th percentile per-packet one-way delay: 185.833 ms

Loss rate: 0.79%

Run 8: Report of PCC-Allegro — Data Link

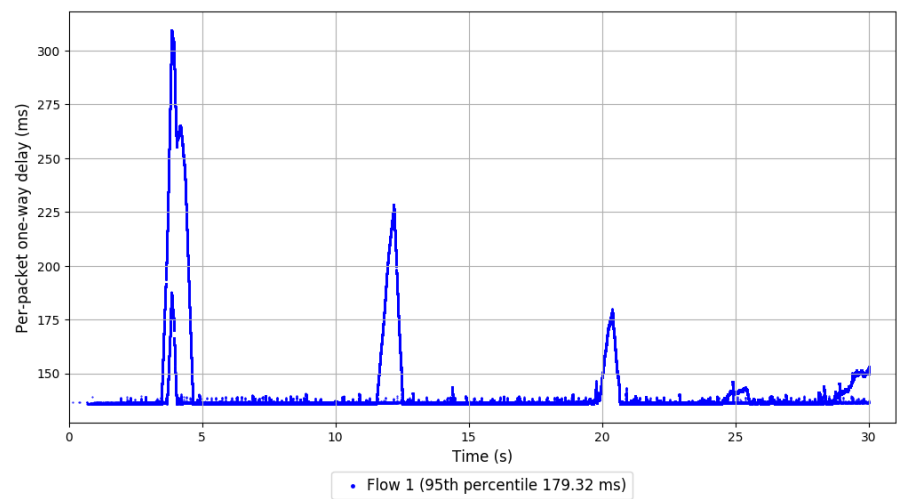
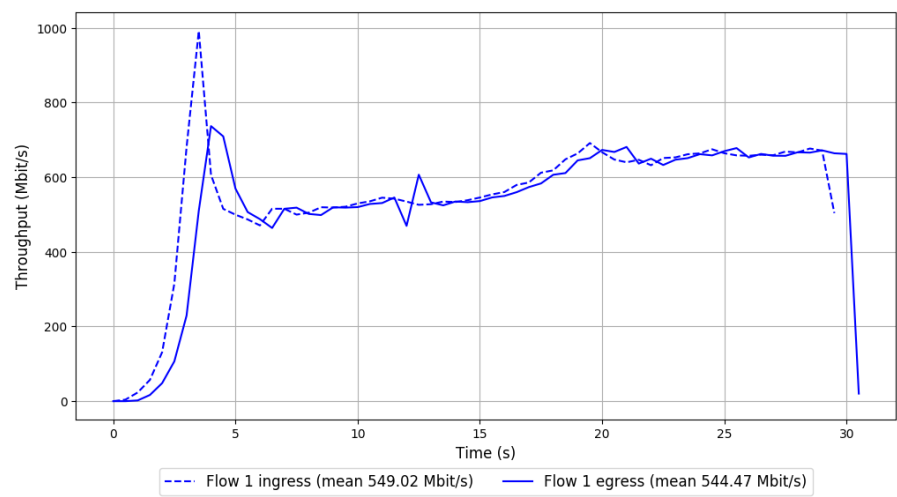


Run 9: Statistics of PCC-Allegro

Start at: 2018-05-25 01:10:46
End at: 2018-05-25 01:11:16
Local clock offset: -0.036 ms
Remote clock offset: -0.224 ms

Below is generated by plot.py at 2018-05-25 02:32:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 544.47 Mbit/s
95th percentile per-packet one-way delay: 179.316 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 544.47 Mbit/s
95th percentile per-packet one-way delay: 179.316 ms
Loss rate: 0.83%

Run 9: Report of PCC-Allegro — Data Link

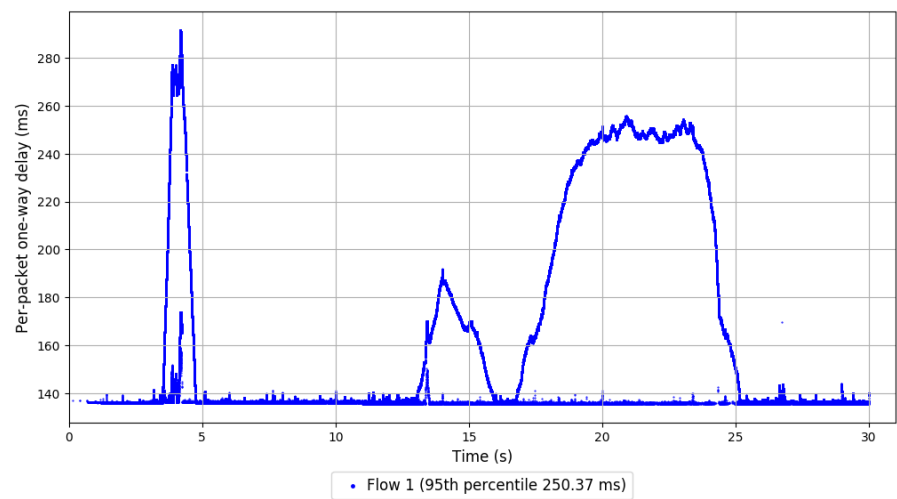
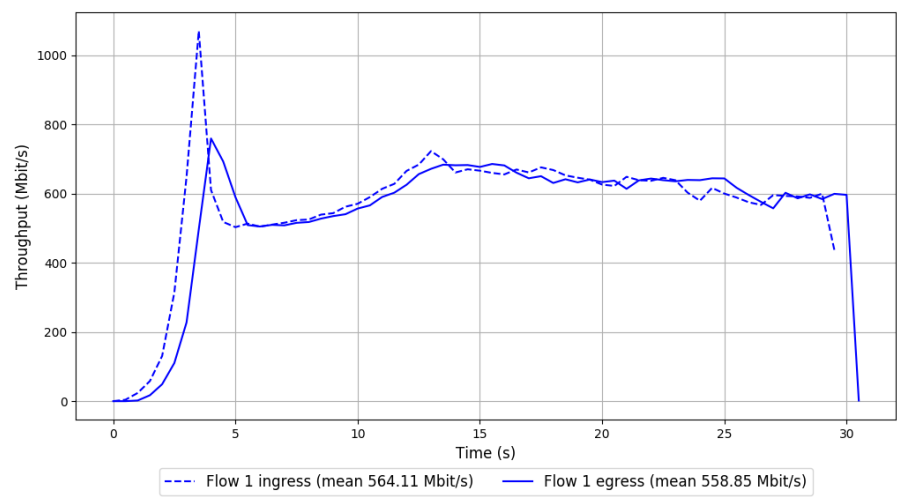


Run 10: Statistics of PCC-Allegro

Start at: 2018-05-25 01:32:25
End at: 2018-05-25 01:32:55
Local clock offset: -0.204 ms
Remote clock offset: -0.142 ms

Below is generated by plot.py at 2018-05-25 02:33:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 558.85 Mbit/s
95th percentile per-packet one-way delay: 250.371 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 558.85 Mbit/s
95th percentile per-packet one-way delay: 250.371 ms
Loss rate: 0.93%

Run 10: Report of PCC-Allegro — Data Link

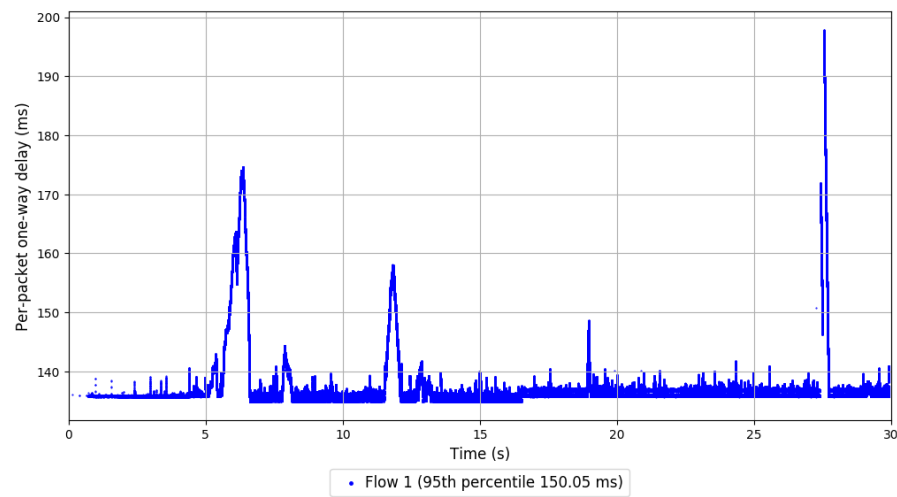
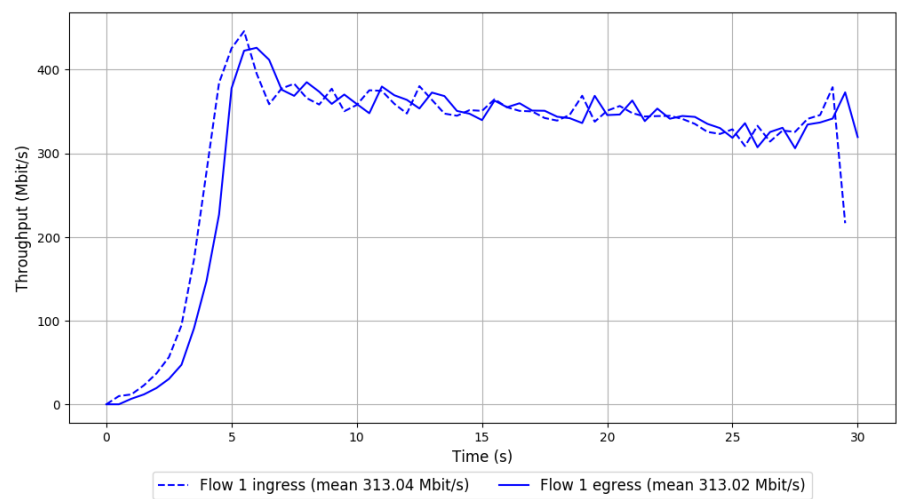


```
Run 1: Statistics of PCC-Expr

Start at: 2018-05-24 22:14:49
End at: 2018-05-24 22:15:19
Local clock offset: 0.033 ms
Remote clock offset: -0.219 ms

# Below is generated by plot.py at 2018-05-25 02:33:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 313.02 Mbit/s
95th percentile per-packet one-way delay: 150.054 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 313.02 Mbit/s
95th percentile per-packet one-way delay: 150.054 ms
Loss rate: 0.01%
```

Run 1: Report of PCC-Expr — Data Link

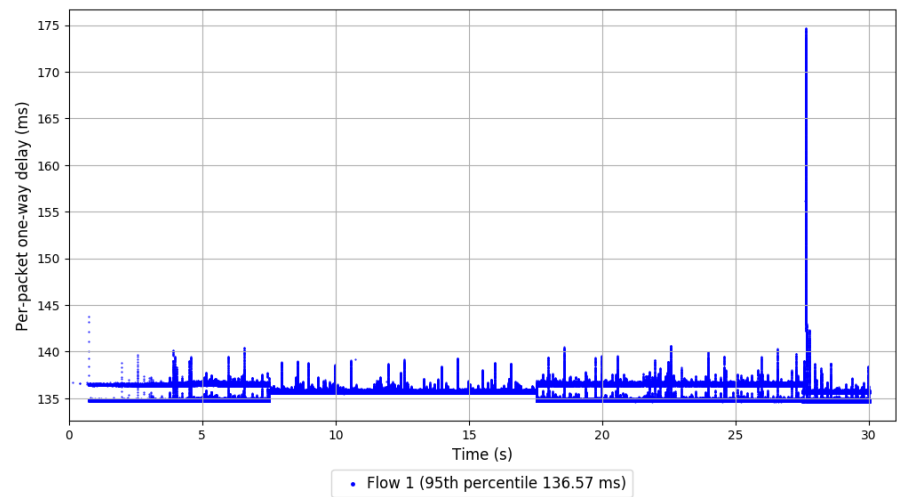
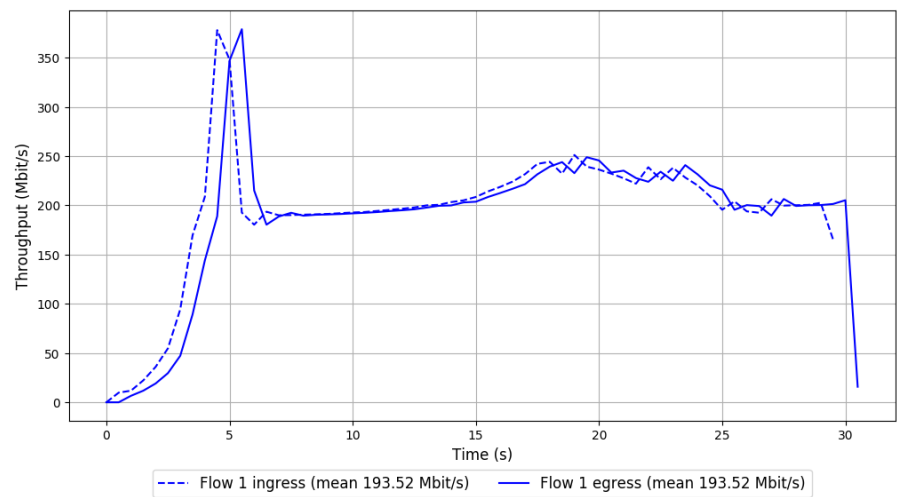


Run 2: Statistics of PCC-Expr

Start at: 2018-05-24 22:36:08
End at: 2018-05-24 22:36:38
Local clock offset: -0.243 ms
Remote clock offset: -0.575 ms

Below is generated by plot.py at 2018-05-25 02:33:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 193.52 Mbit/s
95th percentile per-packet one-way delay: 136.572 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 193.52 Mbit/s
95th percentile per-packet one-way delay: 136.572 ms
Loss rate: 0.00%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-05-24 22:57:02

End at: 2018-05-24 22:57:32

Local clock offset: 0.108 ms

Remote clock offset: -0.558 ms

Below is generated by plot.py at 2018-05-25 02:34:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 308.24 Mbit/s

95th percentile per-packet one-way delay: 146.728 ms

Loss rate: 0.00%

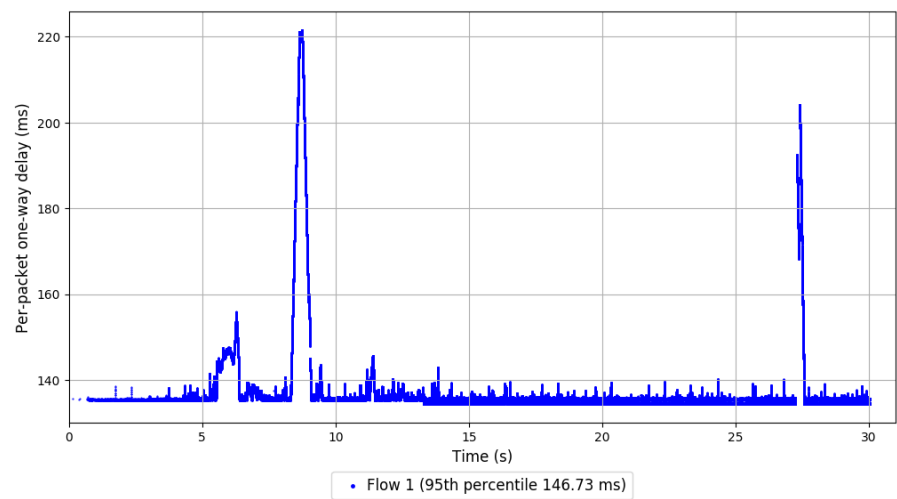
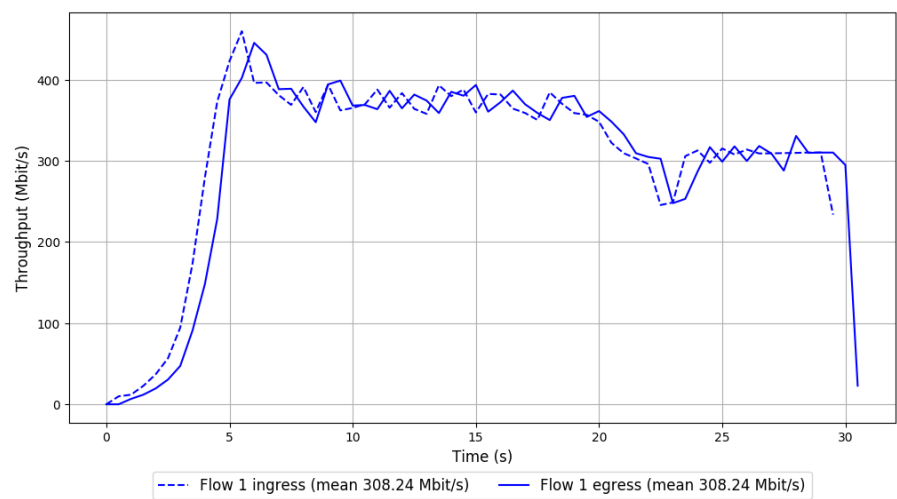
-- Flow 1:

Average throughput: 308.24 Mbit/s

95th percentile per-packet one-way delay: 146.728 ms

Loss rate: 0.00%

Run 3: Report of PCC-Expr — Data Link

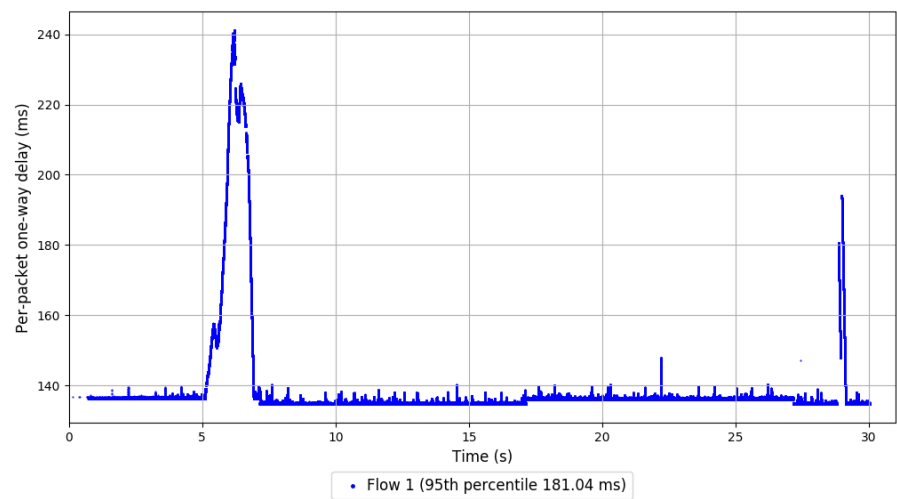
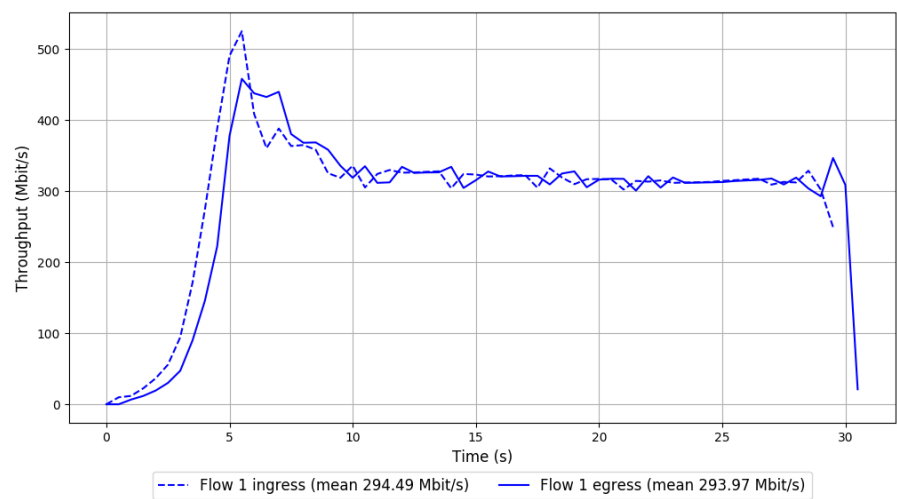


Run 4: Statistics of PCC-Expr

Start at: 2018-05-24 23:18:19
End at: 2018-05-24 23:18:49
Local clock offset: 0.098 ms
Remote clock offset: -0.347 ms

Below is generated by plot.py at 2018-05-25 02:34:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 293.97 Mbit/s
95th percentile per-packet one-way delay: 181.044 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 293.97 Mbit/s
95th percentile per-packet one-way delay: 181.044 ms
Loss rate: 0.19%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-05-24 23:40:01

End at: 2018-05-24 23:40:31

Local clock offset: -0.223 ms

Remote clock offset: 0.239 ms

Below is generated by plot.py at 2018-05-25 02:37:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 201.15 Mbit/s

95th percentile per-packet one-way delay: 137.338 ms

Loss rate: 0.00%

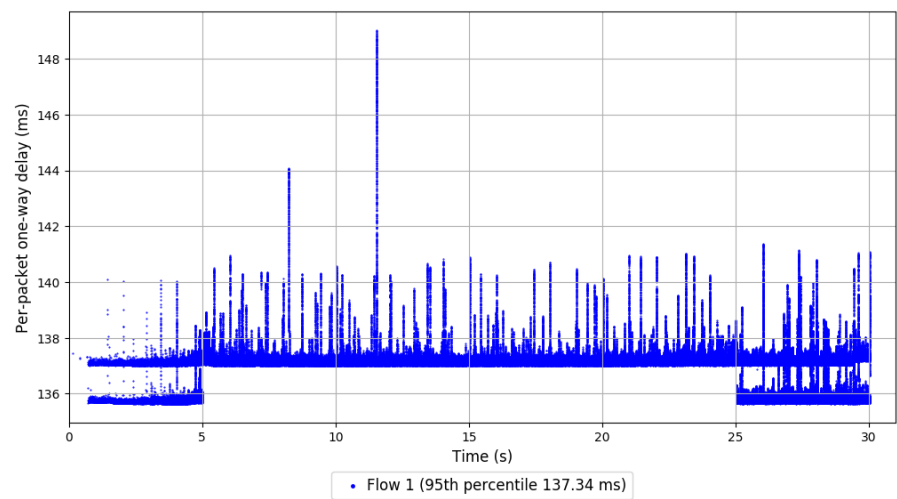
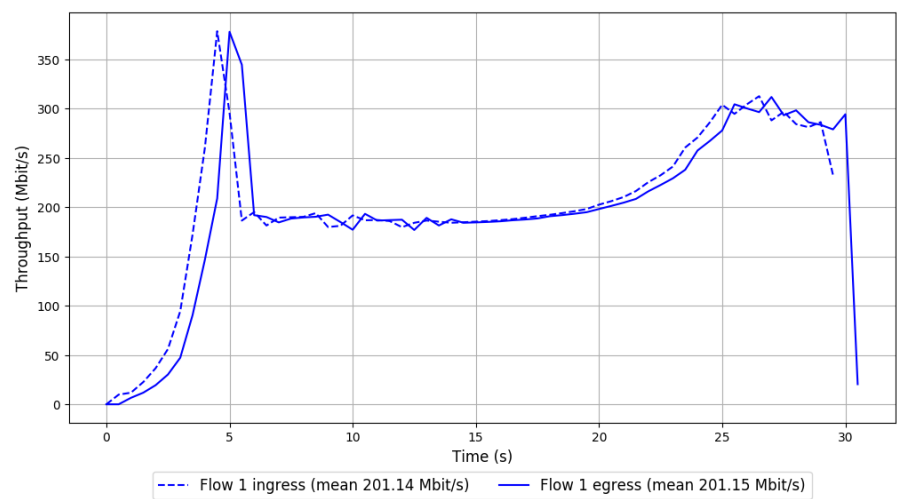
-- Flow 1:

Average throughput: 201.15 Mbit/s

95th percentile per-packet one-way delay: 137.338 ms

Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link

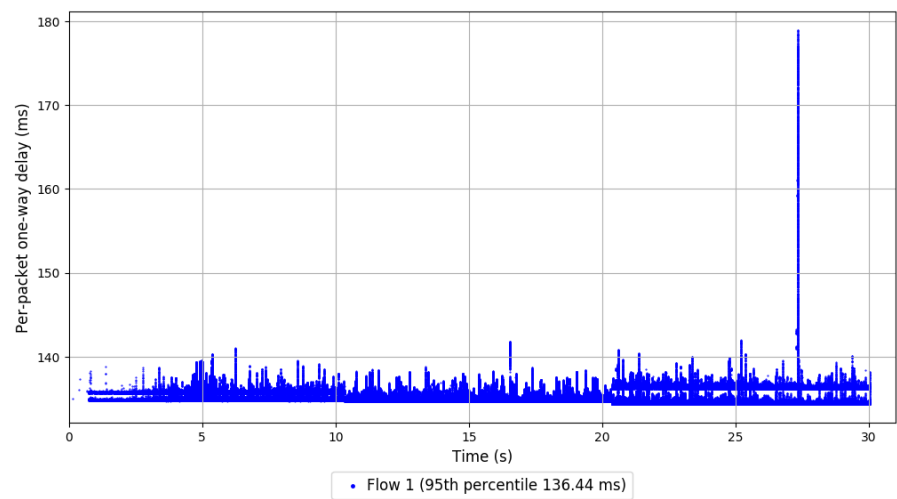
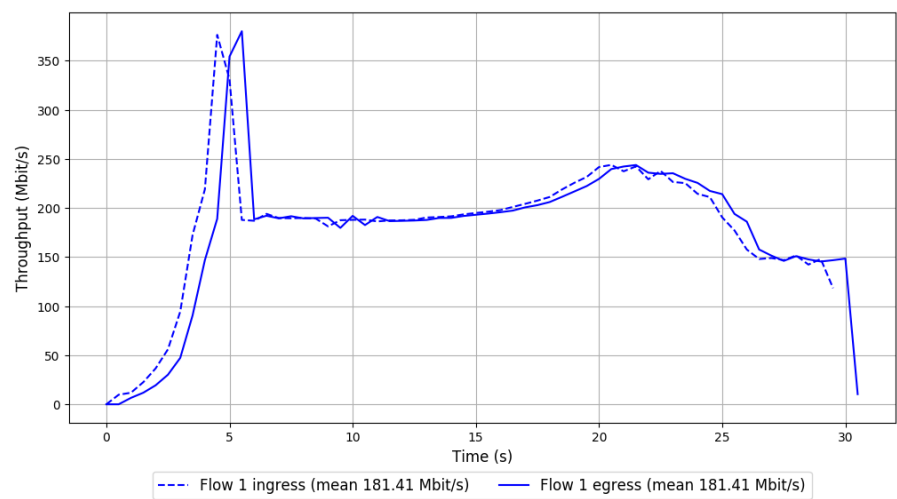


Run 6: Statistics of PCC-Expr

Start at: 2018-05-25 00:01:45
End at: 2018-05-25 00:02:15
Local clock offset: -0.012 ms
Remote clock offset: -0.407 ms

Below is generated by plot.py at 2018-05-25 02:37:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 181.41 Mbit/s
95th percentile per-packet one-way delay: 136.439 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 181.41 Mbit/s
95th percentile per-packet one-way delay: 136.439 ms
Loss rate: 0.00%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-05-25 00:22:57

End at: 2018-05-25 00:23:27

Local clock offset: -0.358 ms

Remote clock offset: -0.15 ms

Below is generated by plot.py at 2018-05-25 02:43:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 320.91 Mbit/s

95th percentile per-packet one-way delay: 192.611 ms

Loss rate: 0.26%

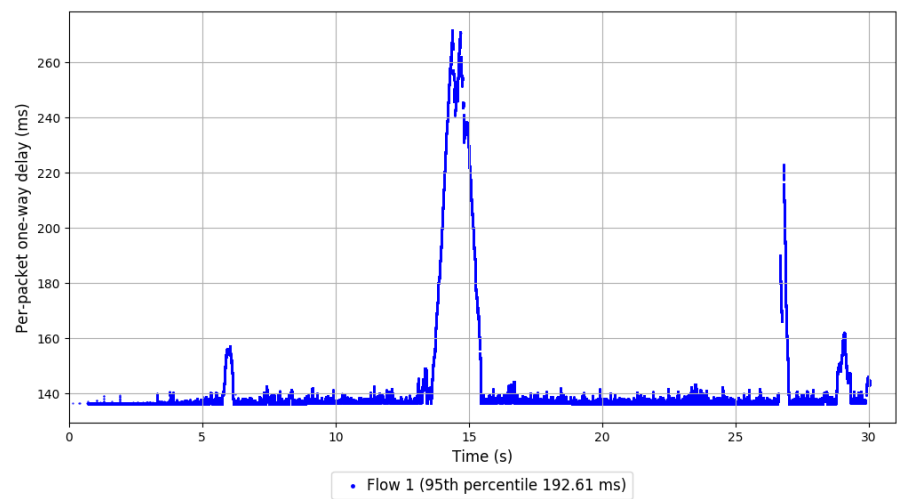
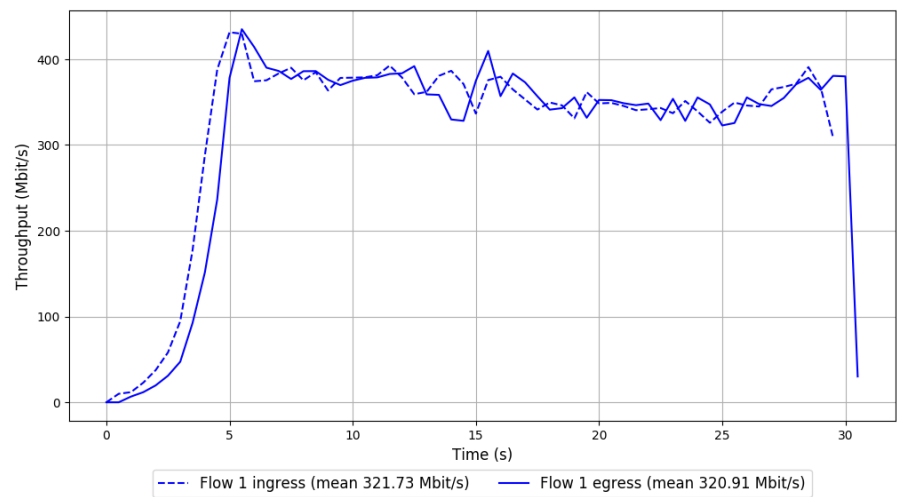
-- Flow 1:

Average throughput: 320.91 Mbit/s

95th percentile per-packet one-way delay: 192.611 ms

Loss rate: 0.26%

Run 7: Report of PCC-Expr — Data Link

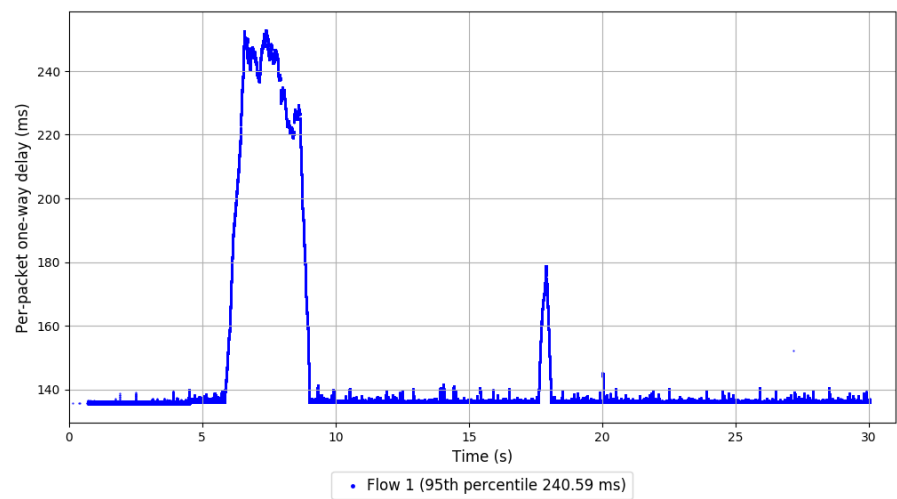
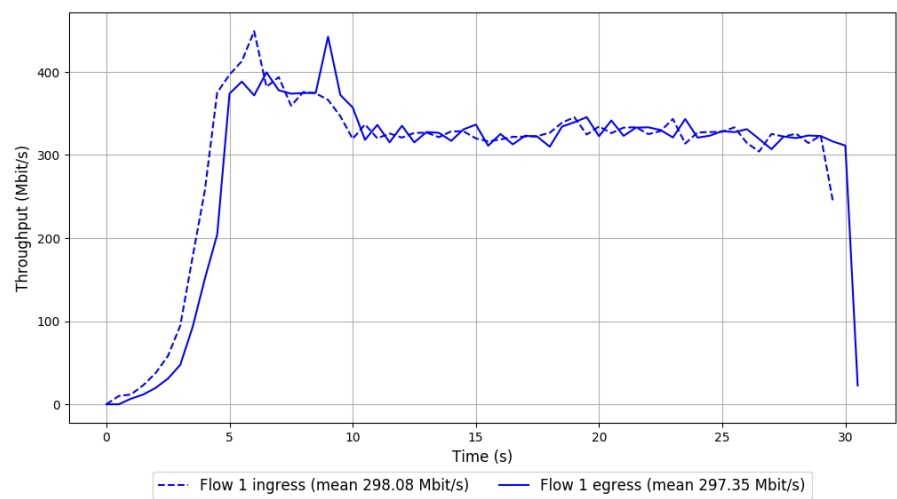


Run 8: Statistics of PCC-Expr

Start at: 2018-05-25 00:44:28
End at: 2018-05-25 00:44:58
Local clock offset: -0.226 ms
Remote clock offset: -0.151 ms

Below is generated by plot.py at 2018-05-25 02:43:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 297.35 Mbit/s
95th percentile per-packet one-way delay: 240.585 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 297.35 Mbit/s
95th percentile per-packet one-way delay: 240.585 ms
Loss rate: 0.24%

Run 8: Report of PCC-Expr — Data Link

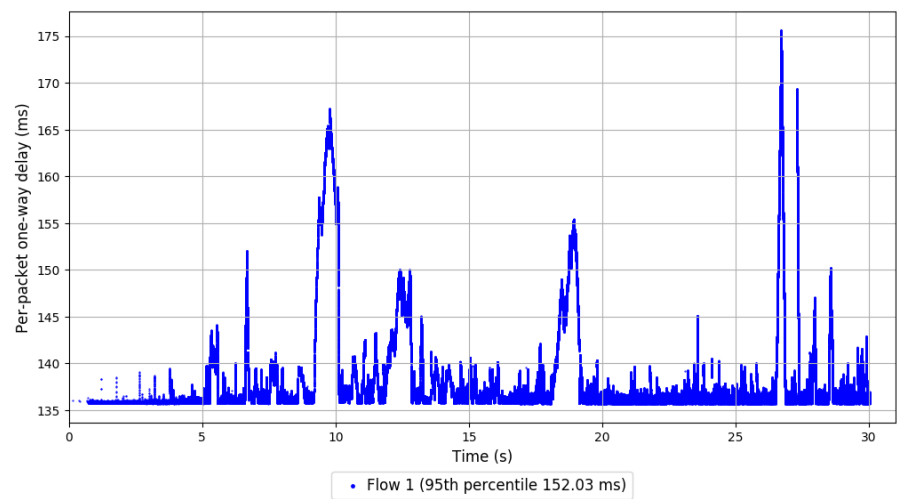
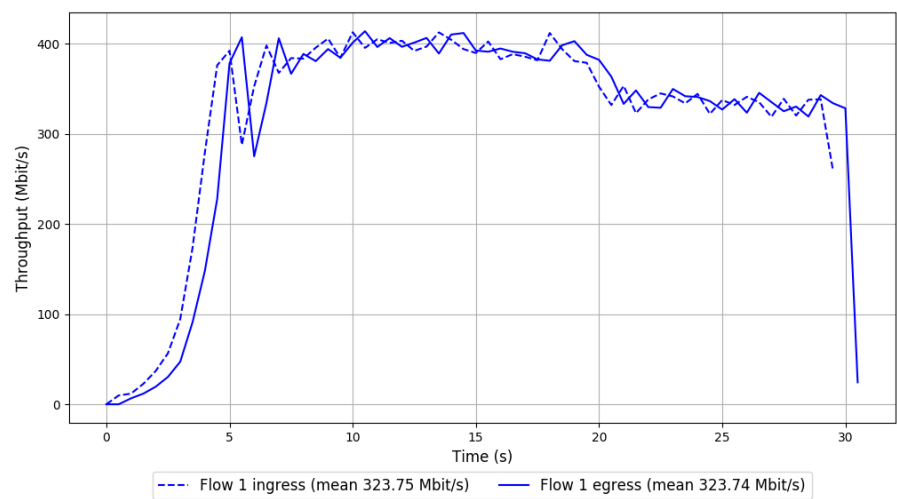


Run 9: Statistics of PCC-Expr

Start at: 2018-05-25 01:07:39
End at: 2018-05-25 01:08:09
Local clock offset: 0.045 ms
Remote clock offset: -0.198 ms

Below is generated by plot.py at 2018-05-25 02:44:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 323.74 Mbit/s
95th percentile per-packet one-way delay: 152.032 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 323.74 Mbit/s
95th percentile per-packet one-way delay: 152.032 ms
Loss rate: 0.00%

Run 9: Report of PCC-Expr — Data Link

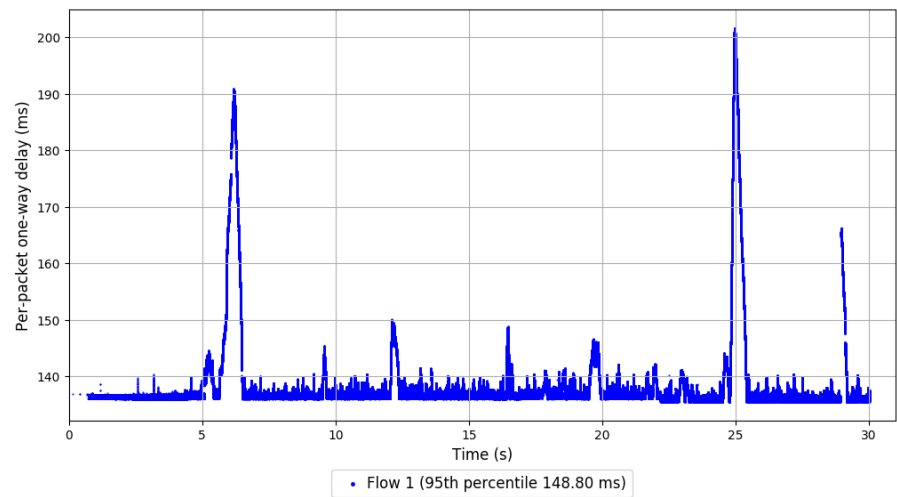
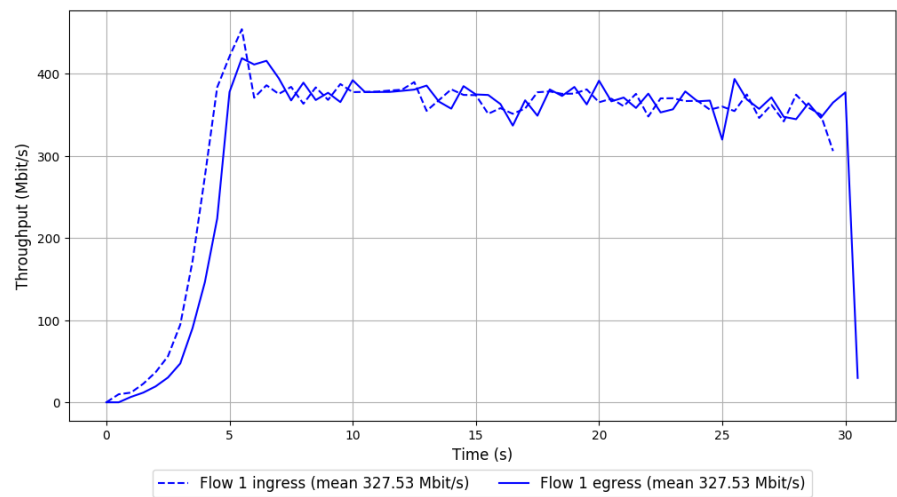


Run 10: Statistics of PCC-Expr

Start at: 2018-05-25 01:29:24
End at: 2018-05-25 01:29:54
Local clock offset: -0.275 ms
Remote clock offset: -0.188 ms

Below is generated by plot.py at 2018-05-25 02:45:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 327.53 Mbit/s
95th percentile per-packet one-way delay: 148.801 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 327.53 Mbit/s
95th percentile per-packet one-way delay: 148.801 ms
Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

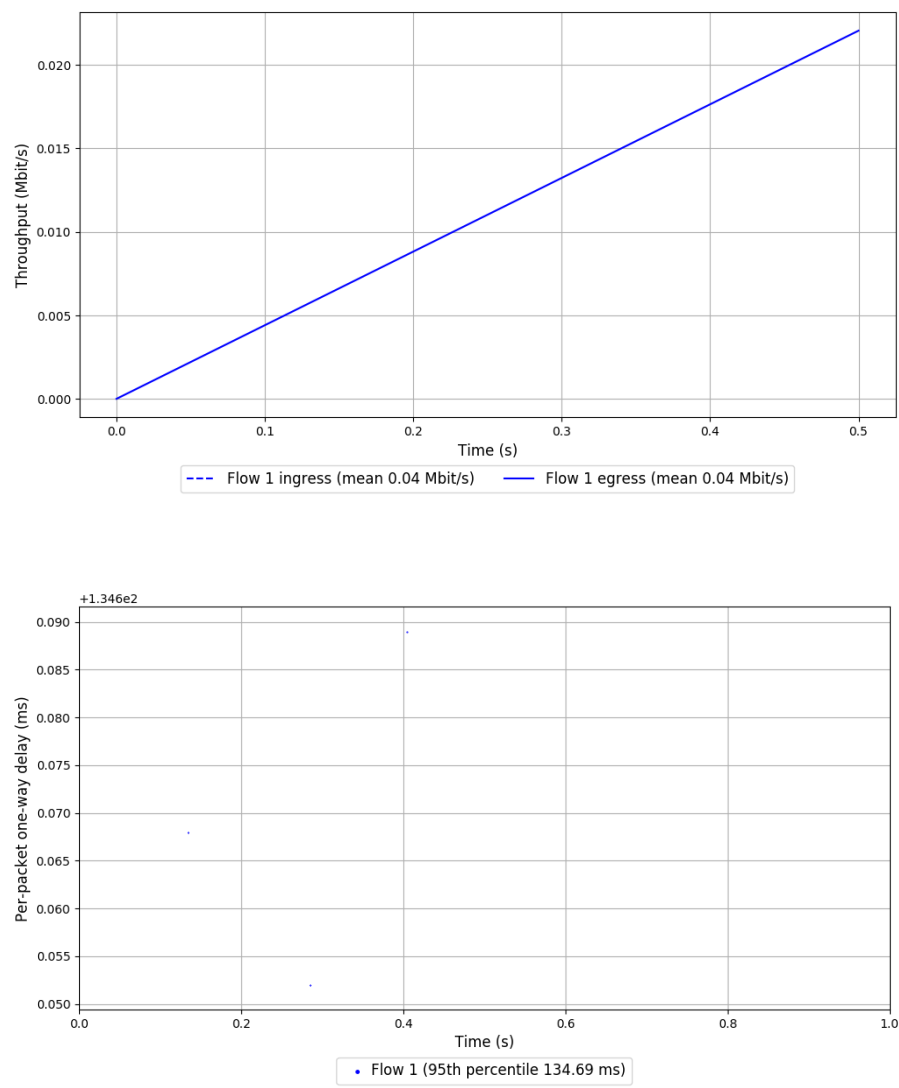
Start at: 2018-05-24 22:02:40

End at: 2018-05-24 22:03:10

Local clock offset: 0.129 ms

Remote clock offset: -0.249 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-05-24 22:24:36

End at: 2018-05-24 22:25:06

Local clock offset: -0.217 ms

Remote clock offset: -0.636 ms

Below is generated by plot.py at 2018-05-25 02:45:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.90 Mbit/s

95th percentile per-packet one-way delay: 136.465 ms

Loss rate: 0.00%

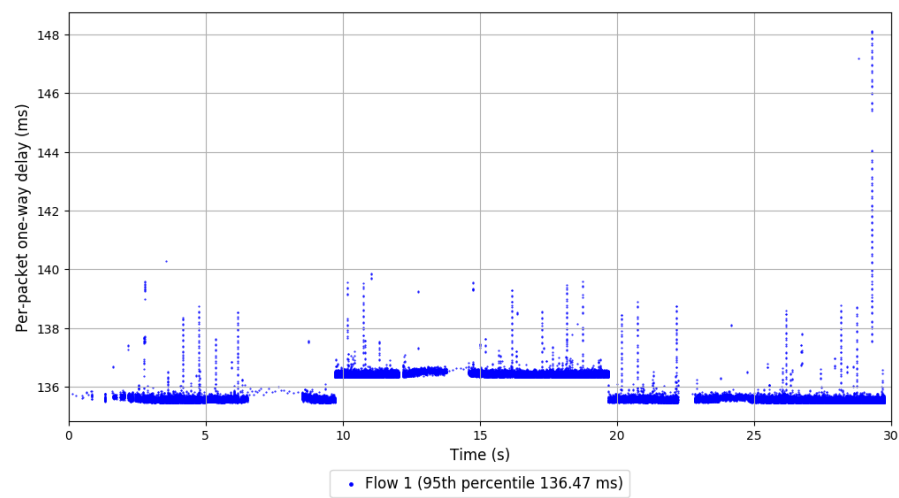
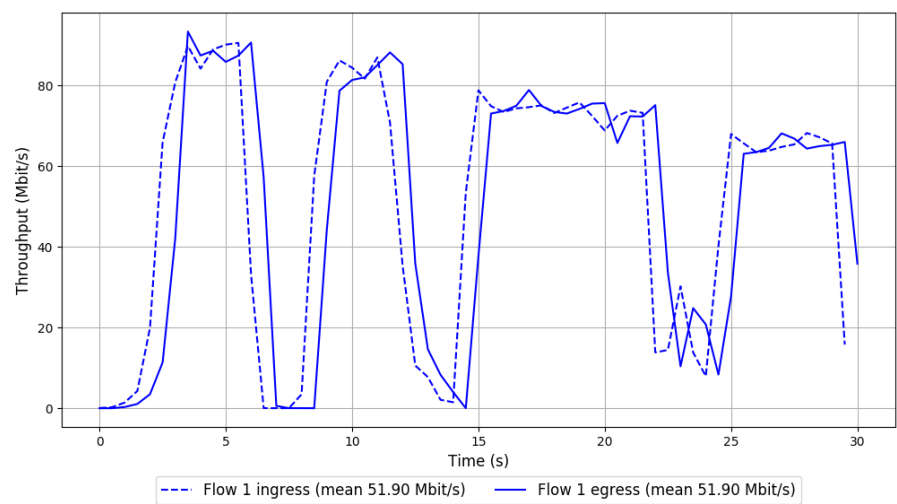
-- Flow 1:

Average throughput: 51.90 Mbit/s

95th percentile per-packet one-way delay: 136.465 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

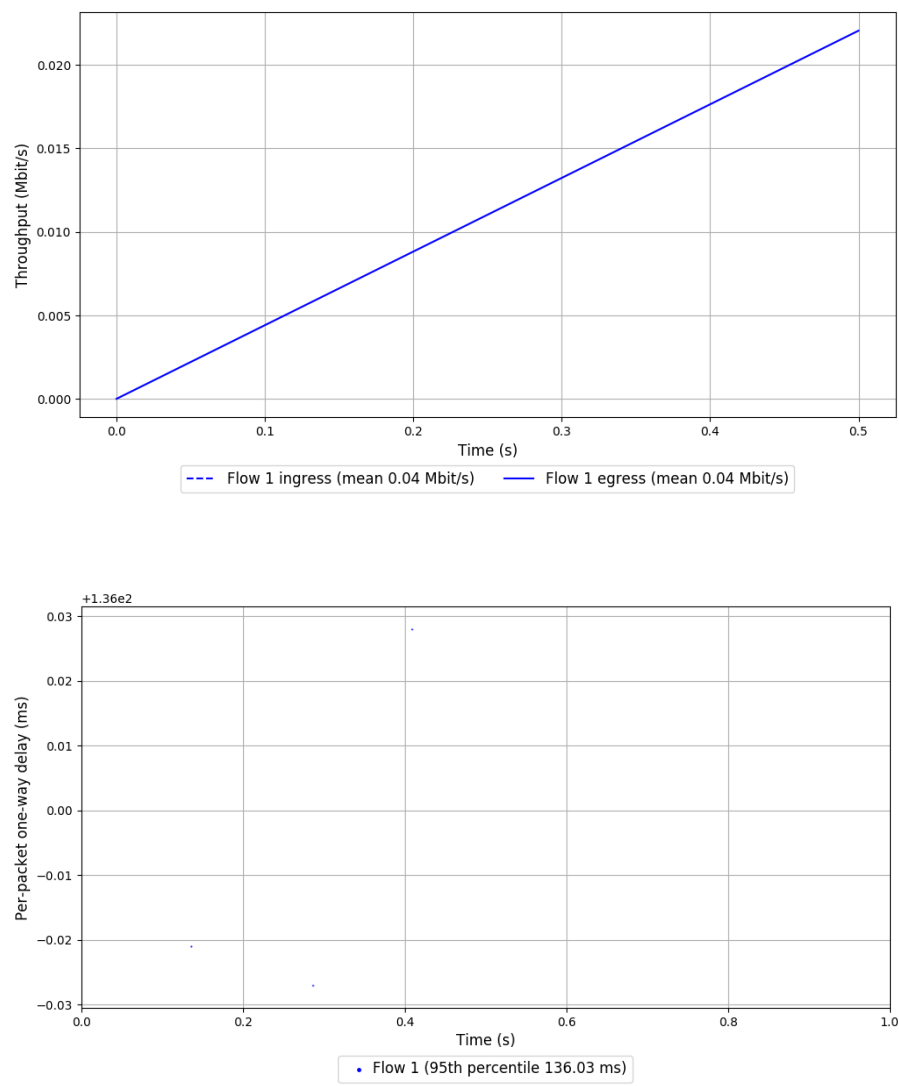
Start at: 2018-05-24 22:45:32

End at: 2018-05-24 22:46:02

Local clock offset: -0.085 ms

Remote clock offset: -0.123 ms

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-05-24 23:06:35

End at: 2018-05-24 23:07:05

Local clock offset: 0.105 ms

Remote clock offset: -0.24 ms

Below is generated by plot.py at 2018-05-25 02:45:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.93 Mbit/s

95th percentile per-packet one-way delay: 136.819 ms

Loss rate: 0.00%

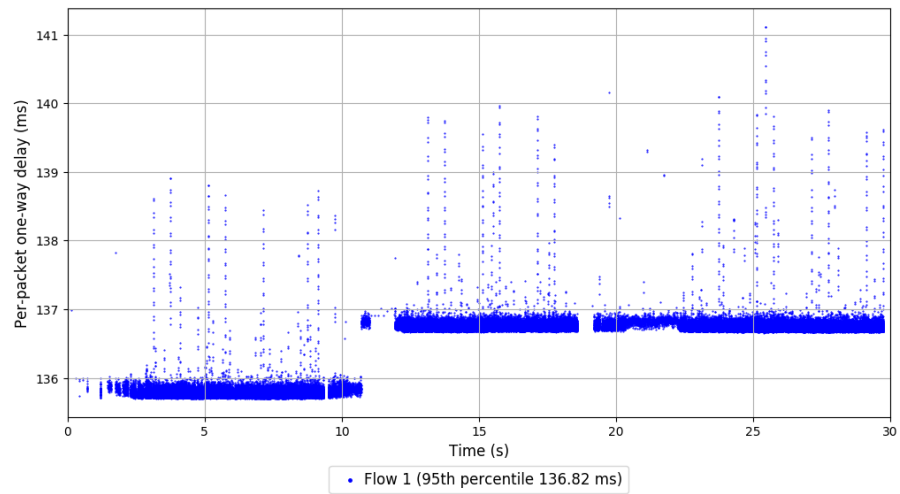
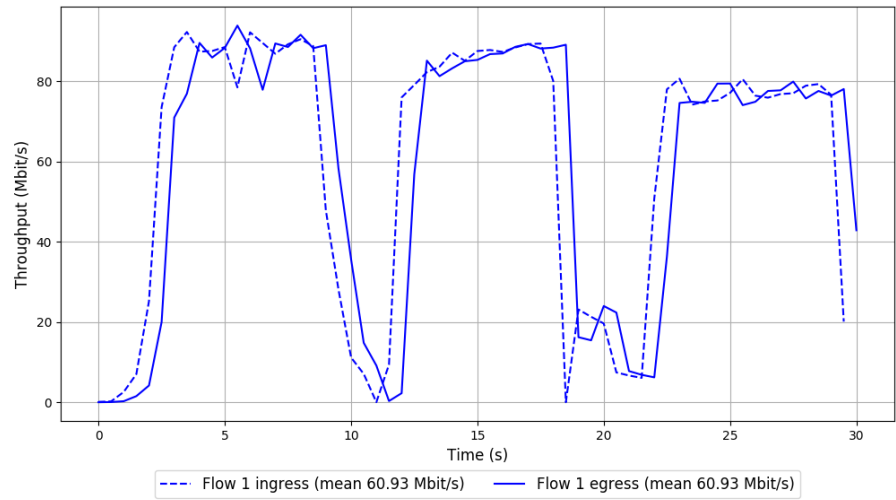
-- Flow 1:

Average throughput: 60.93 Mbit/s

95th percentile per-packet one-way delay: 136.819 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

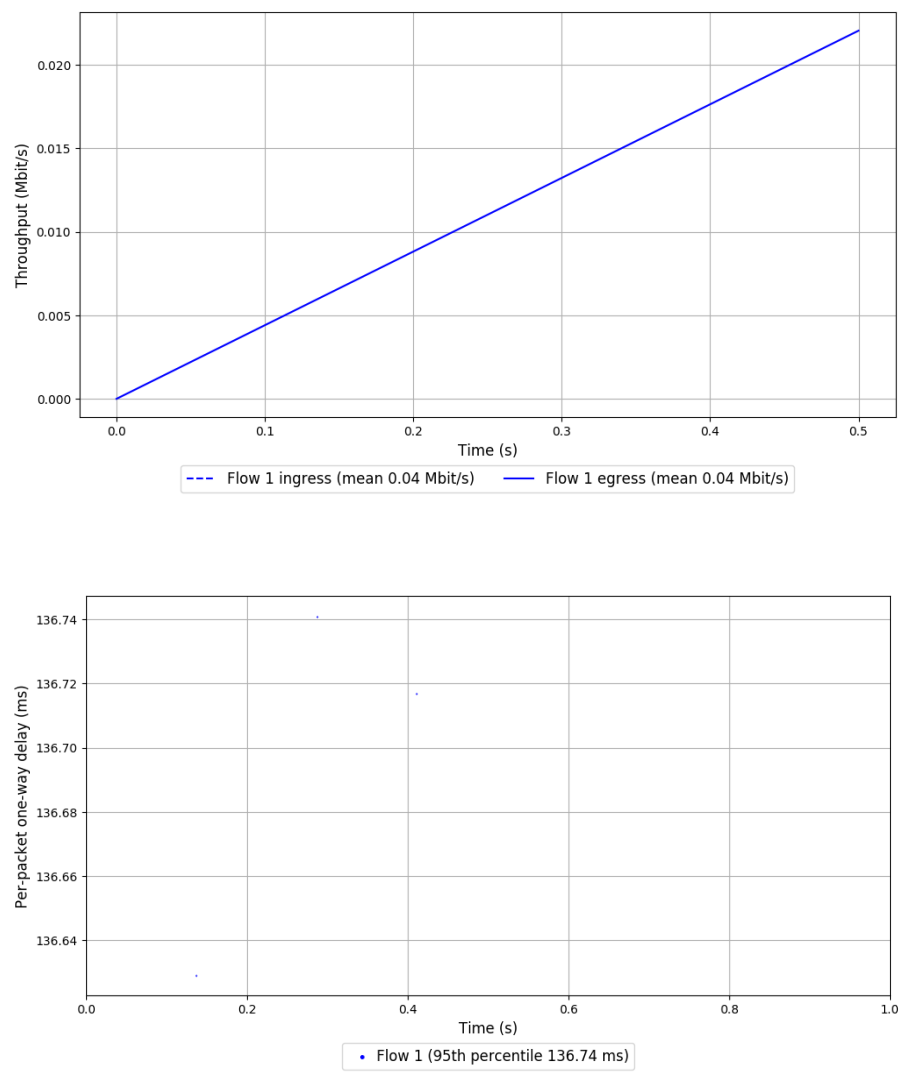
Start at: 2018-05-24 23:27:56

End at: 2018-05-24 23:28:26

Local clock offset: -0.087 ms

Remote clock offset: -0.275 ms

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-05-24 23:49:47

End at: 2018-05-24 23:50:17

Local clock offset: 0.327 ms

Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-05-25 02:45:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.61 Mbit/s

95th percentile per-packet one-way delay: 136.387 ms

Loss rate: 0.00%

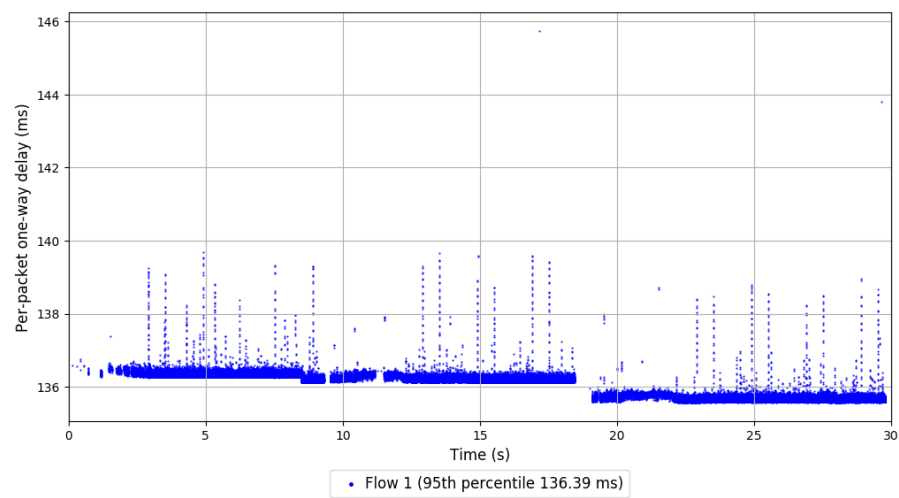
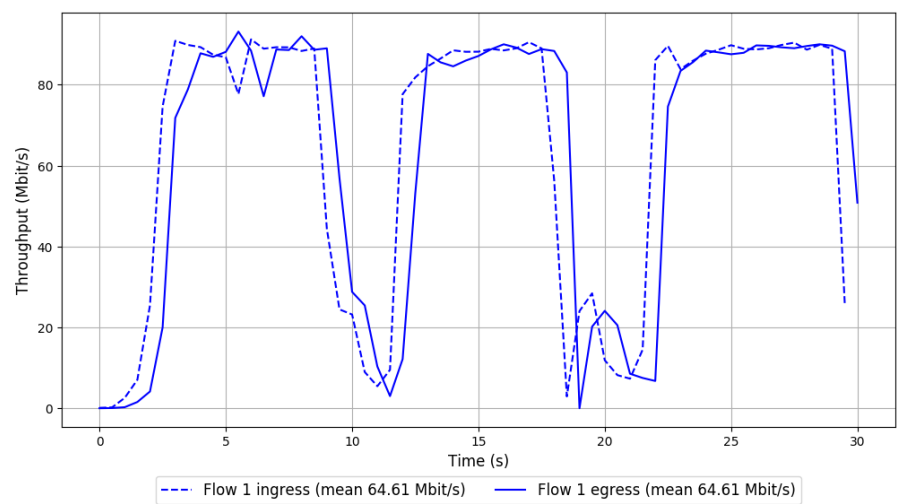
-- Flow 1:

Average throughput: 64.61 Mbit/s

95th percentile per-packet one-way delay: 136.387 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

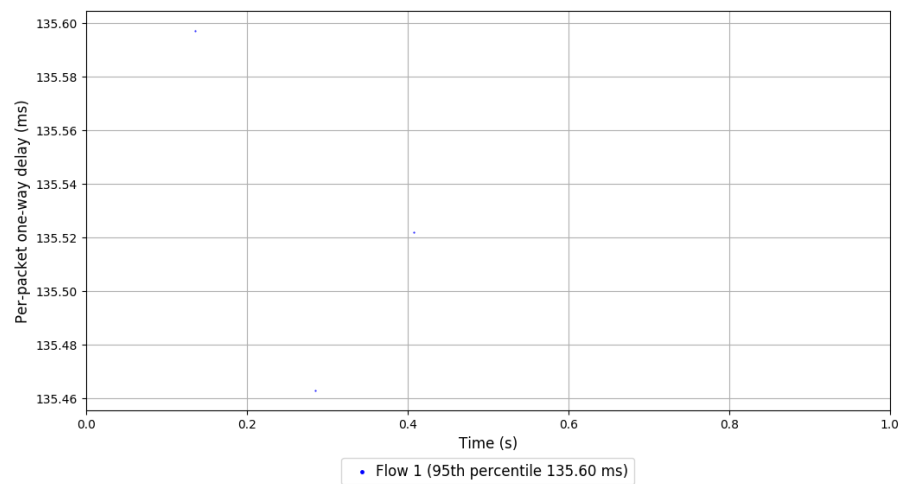
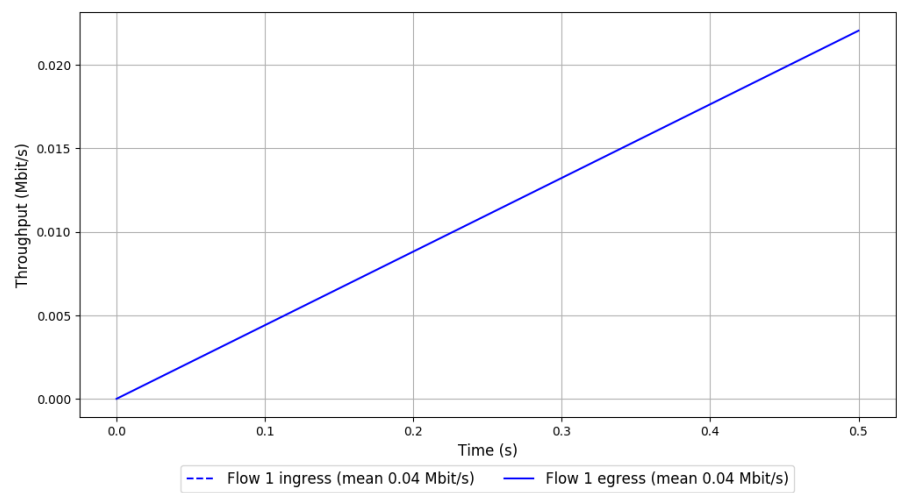
Start at: 2018-05-25 00:11:23

End at: 2018-05-25 00:11:53

Local clock offset: -0.26 ms

Remote clock offset: -0.424 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

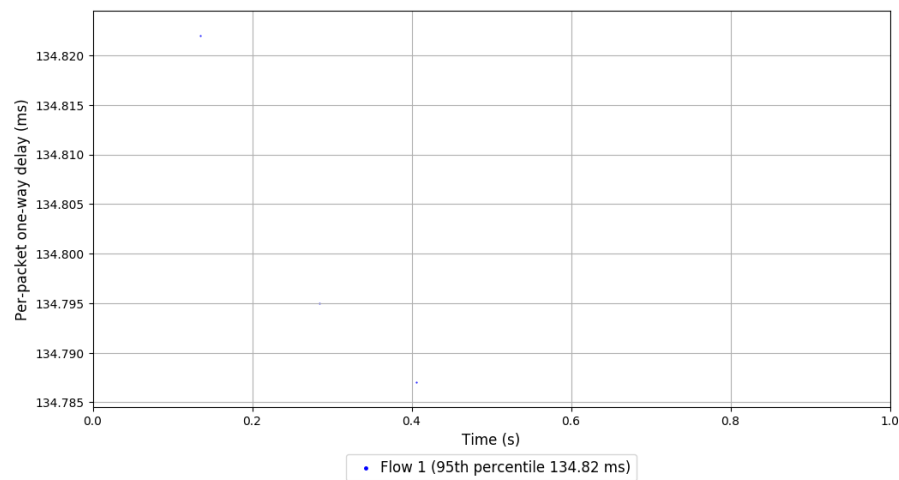
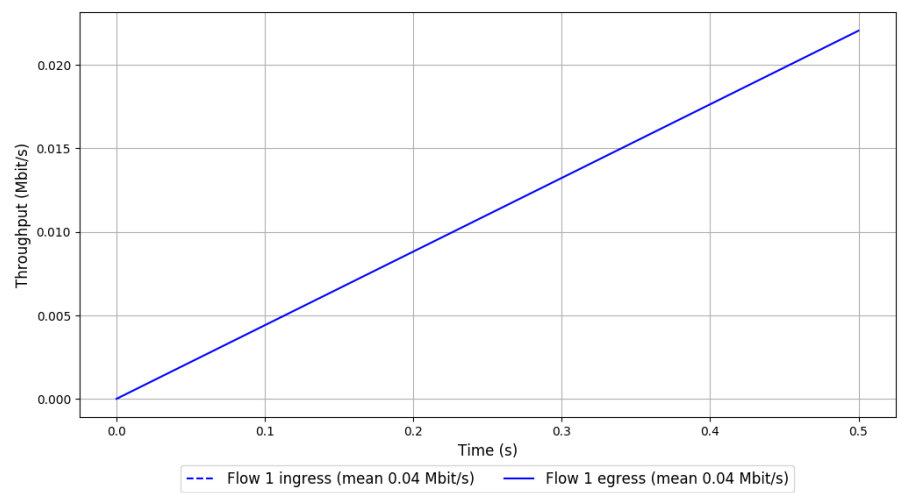
Start at: 2018-05-25 00:32:33

End at: 2018-05-25 00:33:03

Local clock offset: 0.053 ms

Remote clock offset: -0.191 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

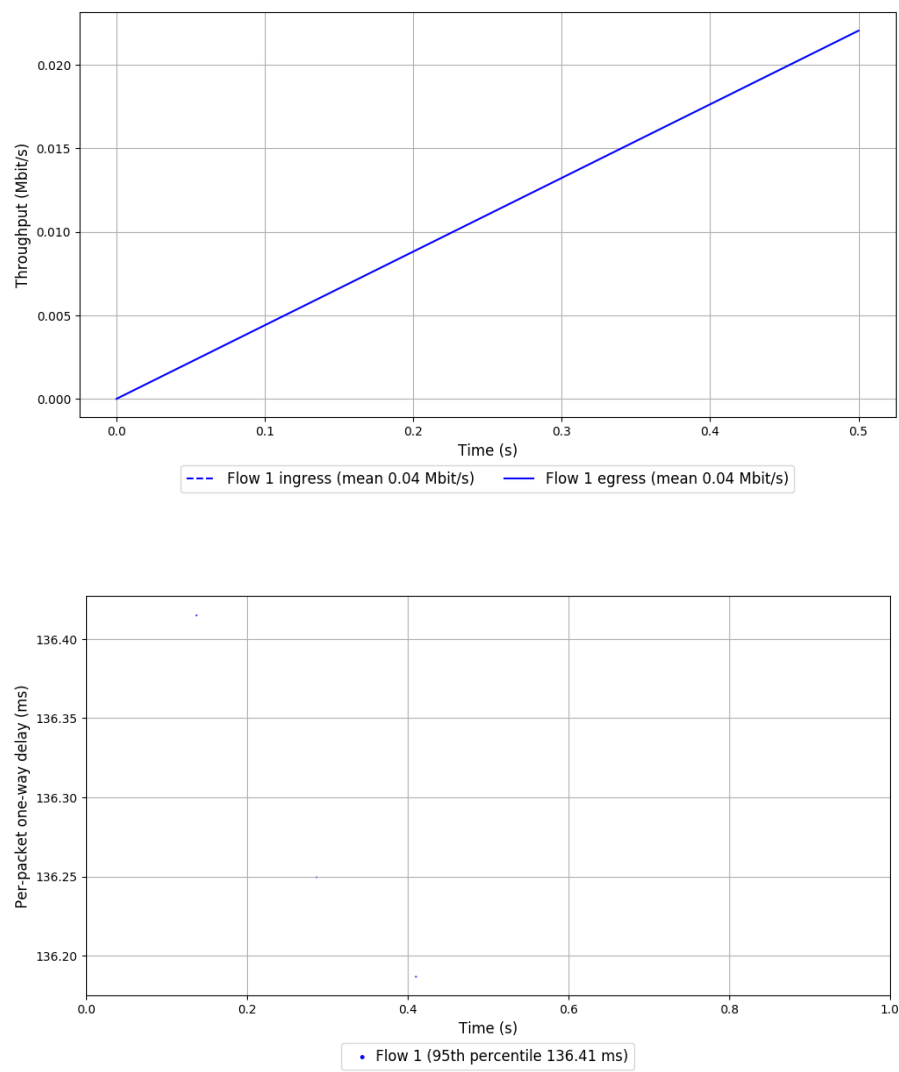
Start at: 2018-05-25 00:54:47

End at: 2018-05-25 00:55:17

Local clock offset: 0.155 ms

Remote clock offset: -0.149 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

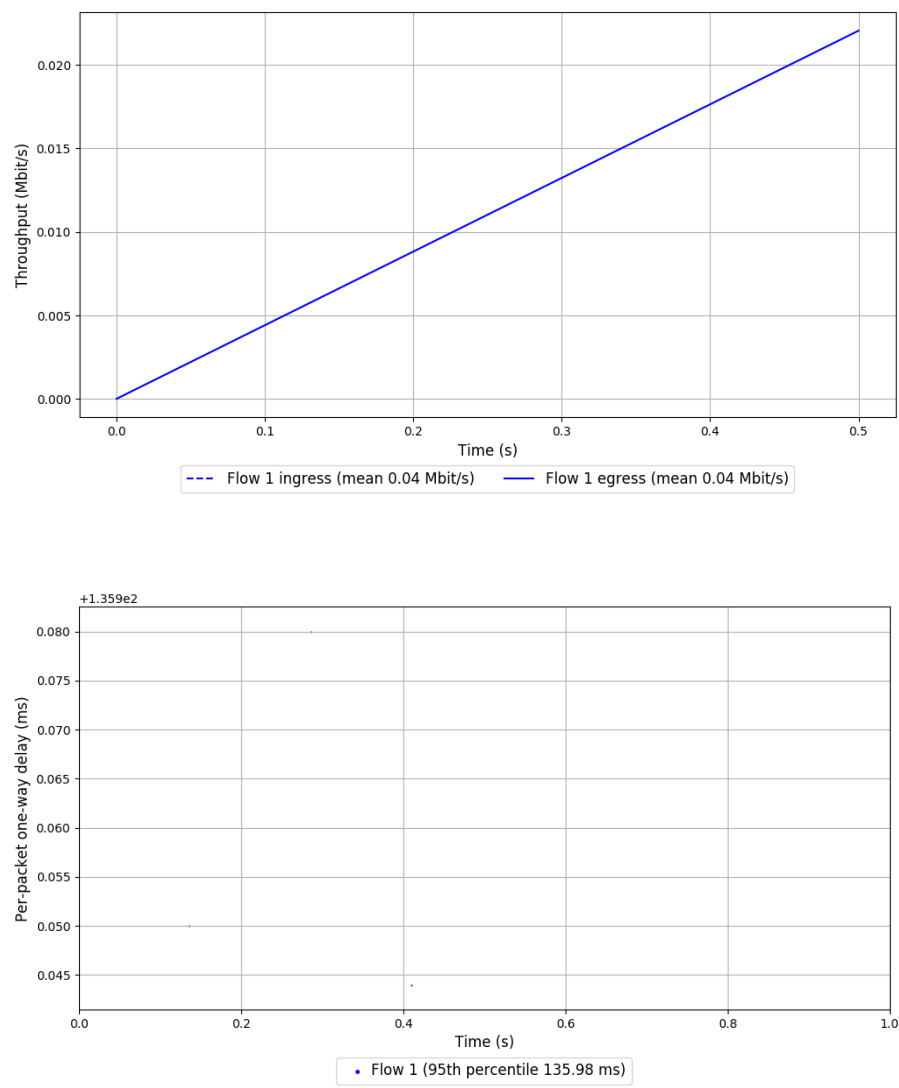
Start at: 2018-05-25 01:17:27

End at: 2018-05-25 01:17:57

Local clock offset: 0.071 ms

Remote clock offset: -0.207 ms

Run 10: Report of QUIC Cubic — Data Link

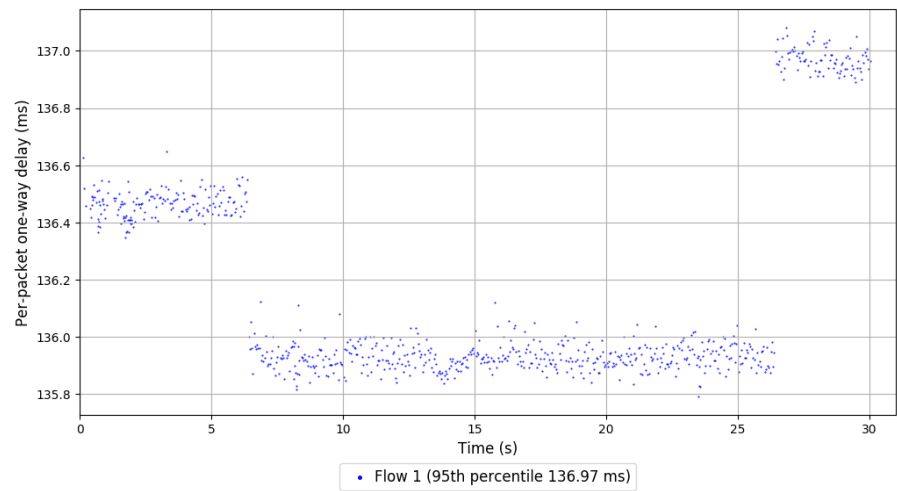
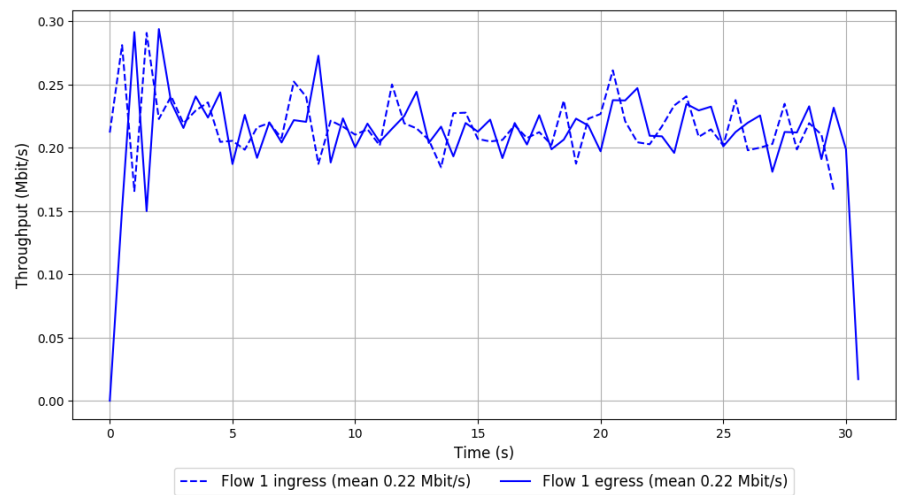


Run 1: Statistics of SCReAM

Start at: 2018-05-24 22:00:19
End at: 2018-05-24 22:00:49
Local clock offset: -0.357 ms
Remote clock offset: -0.244 ms

Below is generated by plot.py at 2018-05-25 02:45:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.972 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.972 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

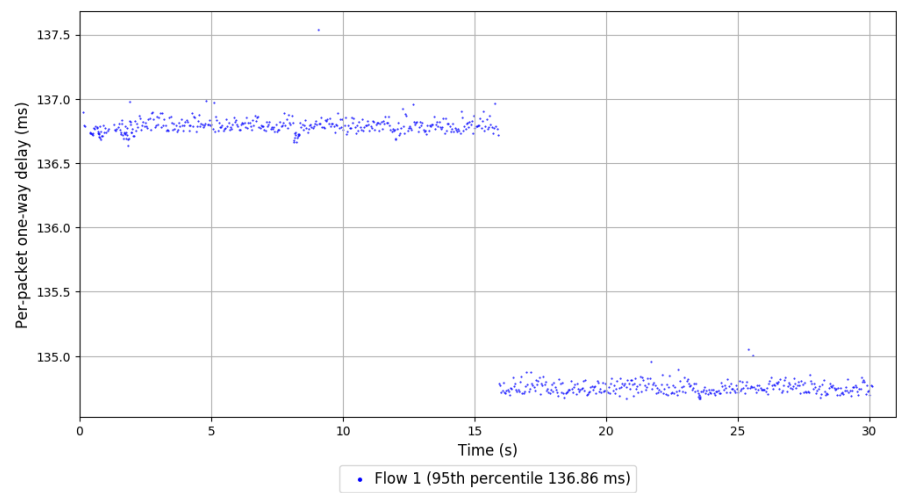
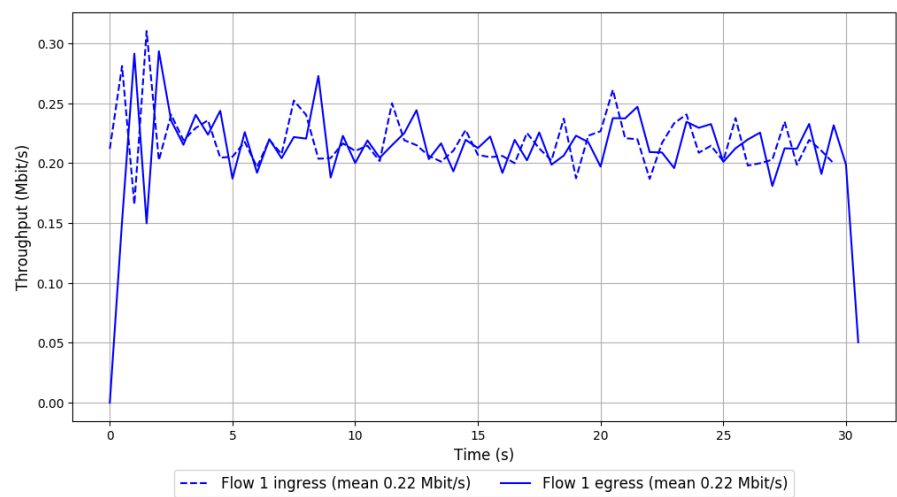


Run 2: Statistics of SCReAM

Start at: 2018-05-24 22:22:14
End at: 2018-05-24 22:22:44
Local clock offset: 0.078 ms
Remote clock offset: -0.197 ms

Below is generated by plot.py at 2018-05-25 02:45:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.856 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.856 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

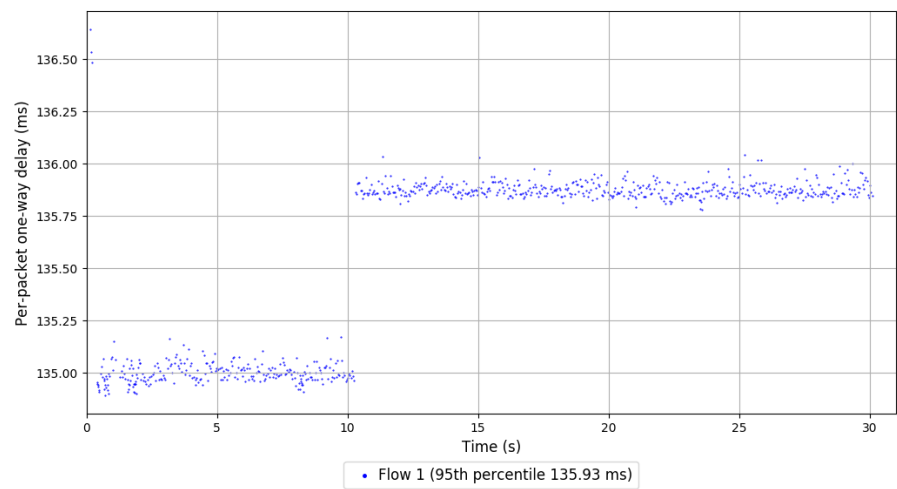
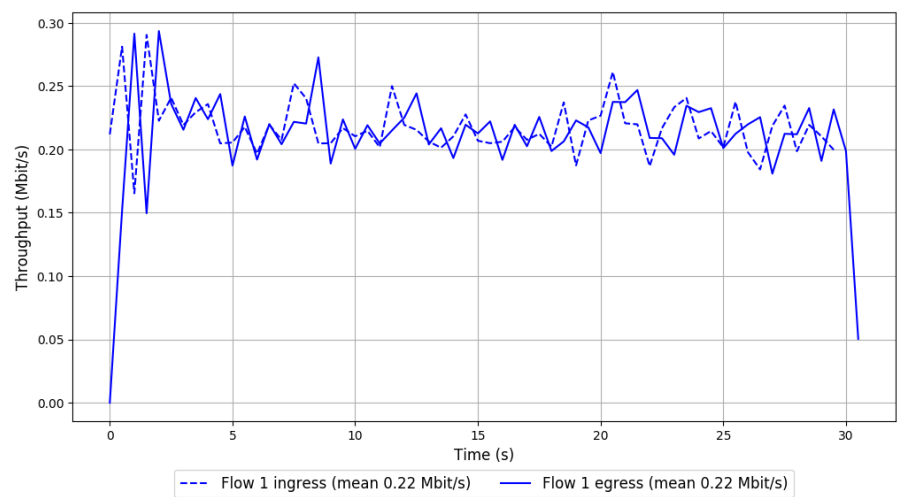


Run 3: Statistics of SCReAM

Start at: 2018-05-24 22:43:10
End at: 2018-05-24 22:43:40
Local clock offset: -0.029 ms
Remote clock offset: -0.216 ms

Below is generated by plot.py at 2018-05-25 02:45:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.933 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.933 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

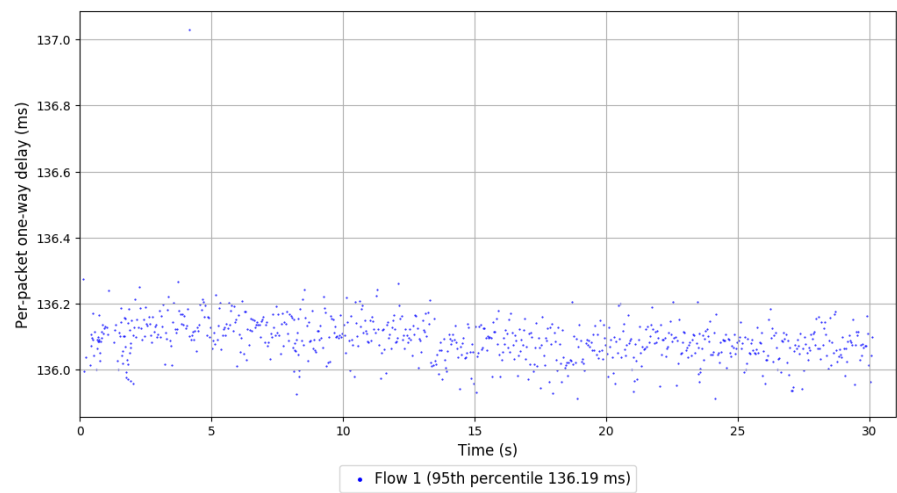
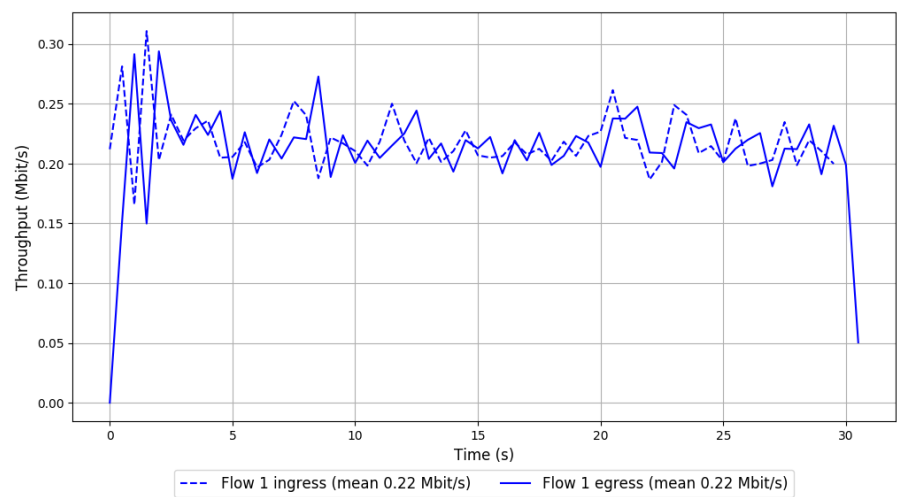


Run 4: Statistics of SCReAM

Start at: 2018-05-24 23:04:12
End at: 2018-05-24 23:04:42
Local clock offset: 0.01 ms
Remote clock offset: -0.268 ms

Below is generated by plot.py at 2018-05-25 02:45:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.188 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.188 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

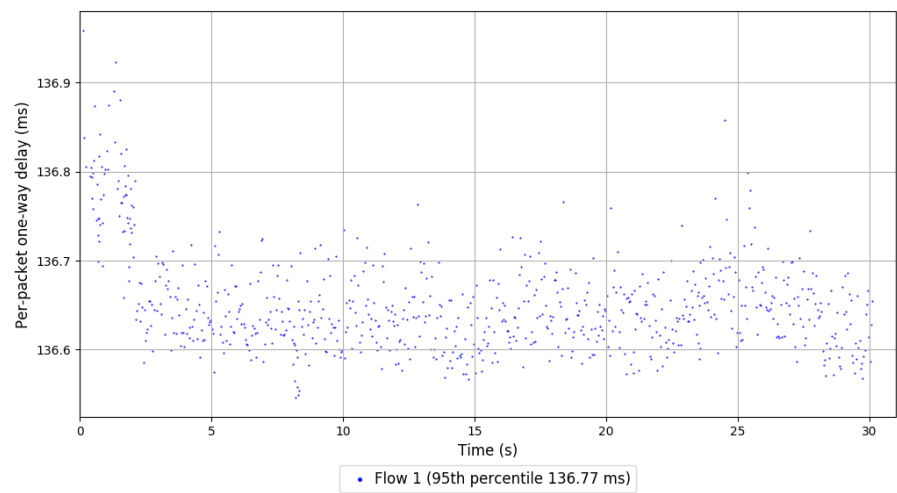
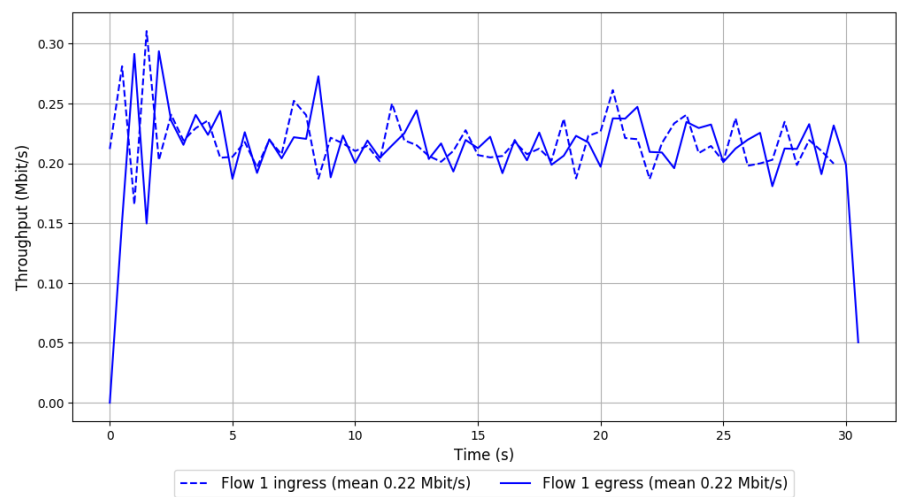


Run 5: Statistics of SCReAM

Start at: 2018-05-24 23:25:34
End at: 2018-05-24 23:26:04
Local clock offset: -0.098 ms
Remote clock offset: -0.308 ms

Below is generated by plot.py at 2018-05-25 02:45:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.770 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.770 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

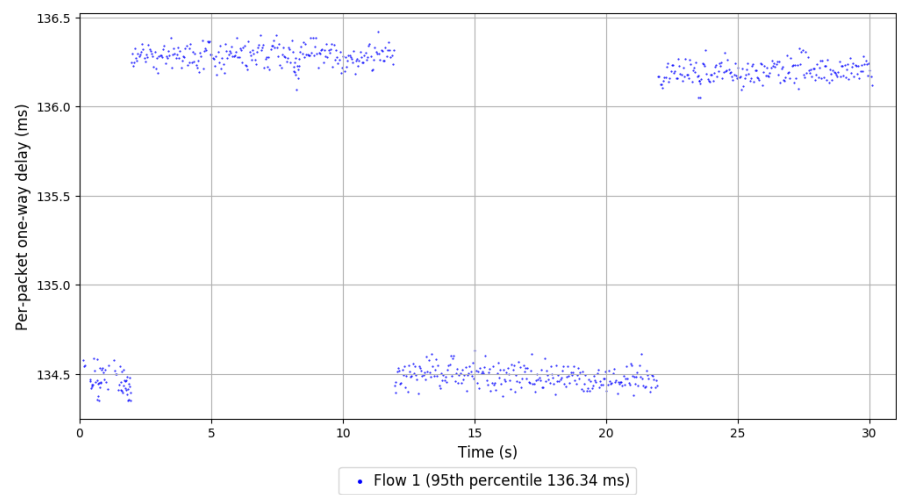
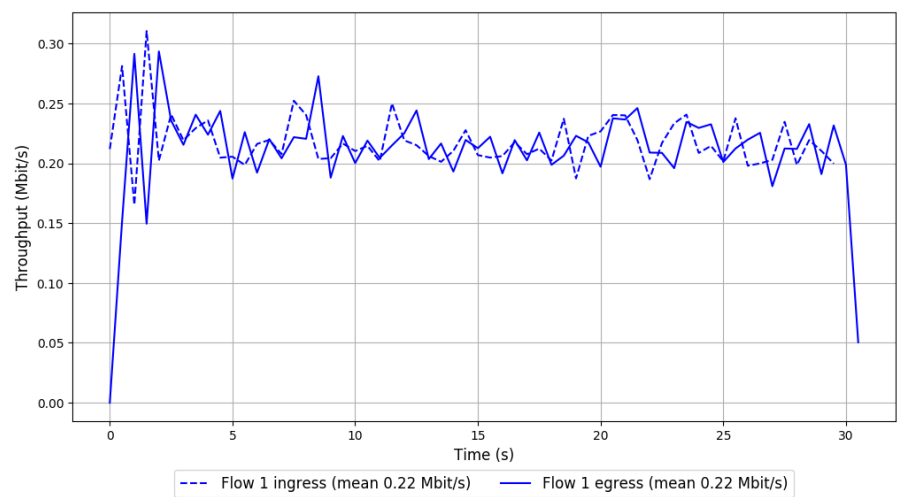


Run 6: Statistics of SCReAM

Start at: 2018-05-24 23:47:24
End at: 2018-05-24 23:47:54
Local clock offset: 0.162 ms
Remote clock offset: -0.488 ms

Below is generated by plot.py at 2018-05-25 02:45:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.335 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.335 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

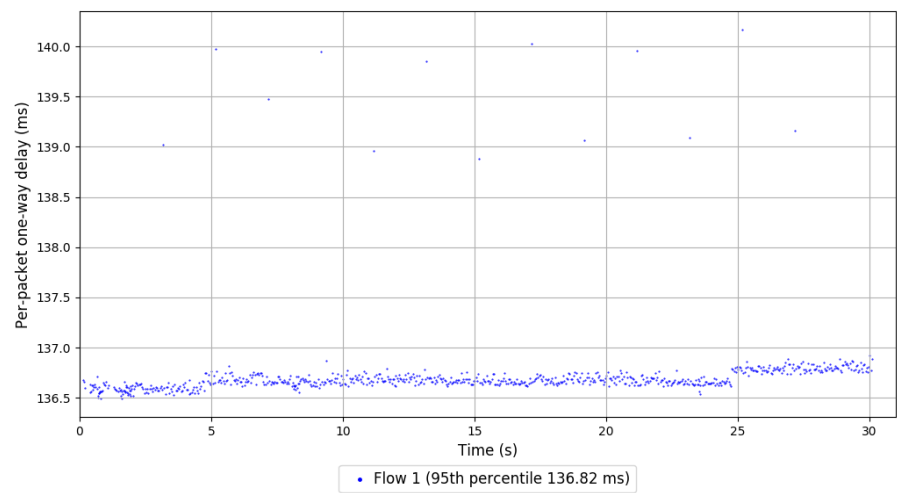
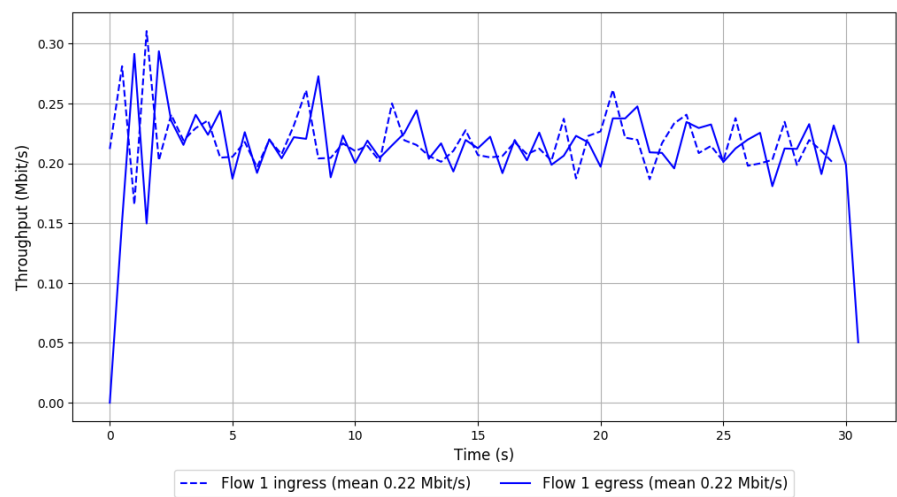


Run 7: Statistics of SCReAM

Start at: 2018-05-25 00:09:01
End at: 2018-05-25 00:09:31
Local clock offset: -0.073 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-05-25 02:45:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.824 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.824 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

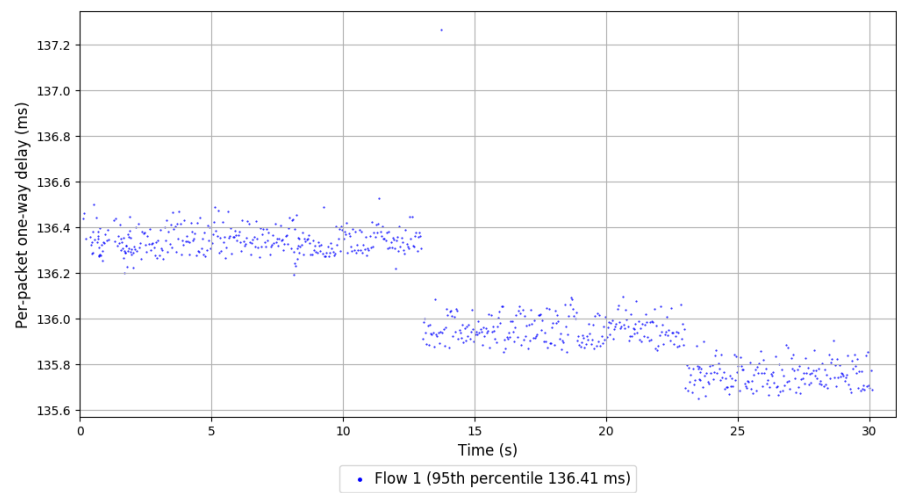
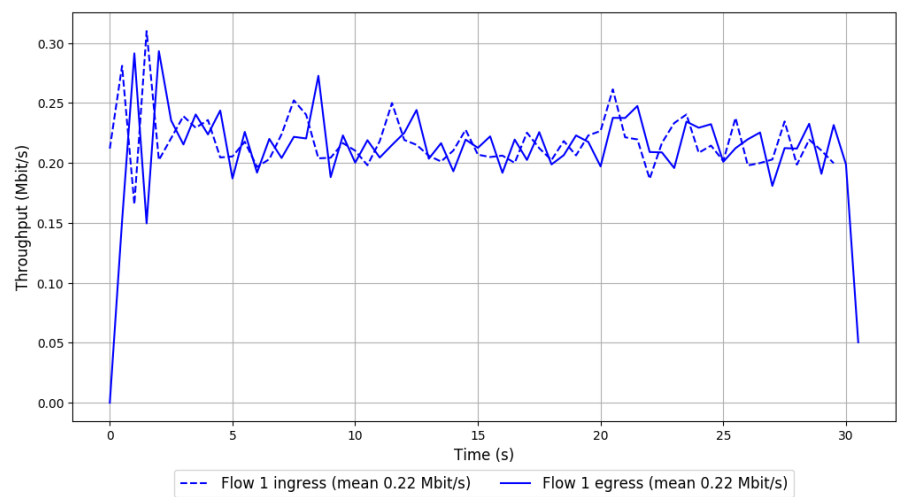


Run 8: Statistics of SCReAM

Start at: 2018-05-25 00:30:13
End at: 2018-05-25 00:30:43
Local clock offset: 0.083 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2018-05-25 02:45:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.412 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.412 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-05-25 00:52:25

End at: 2018-05-25 00:52:55

Local clock offset: 0.291 ms

Remote clock offset: 0.193 ms

Below is generated by plot.py at 2018-05-25 02:45:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.326 ms

Loss rate: 0.00%

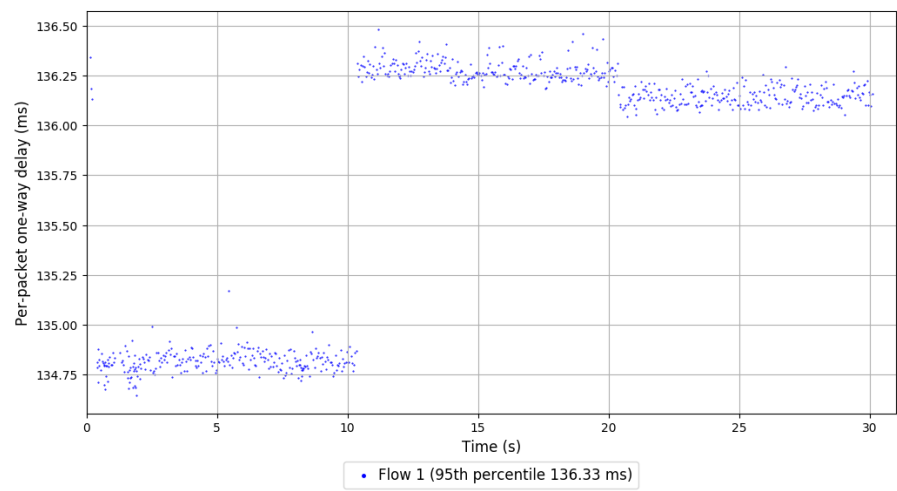
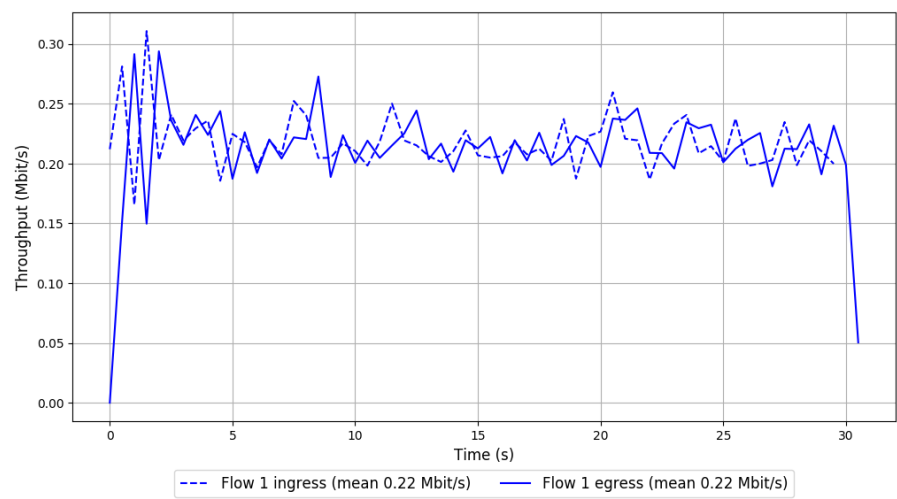
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.326 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

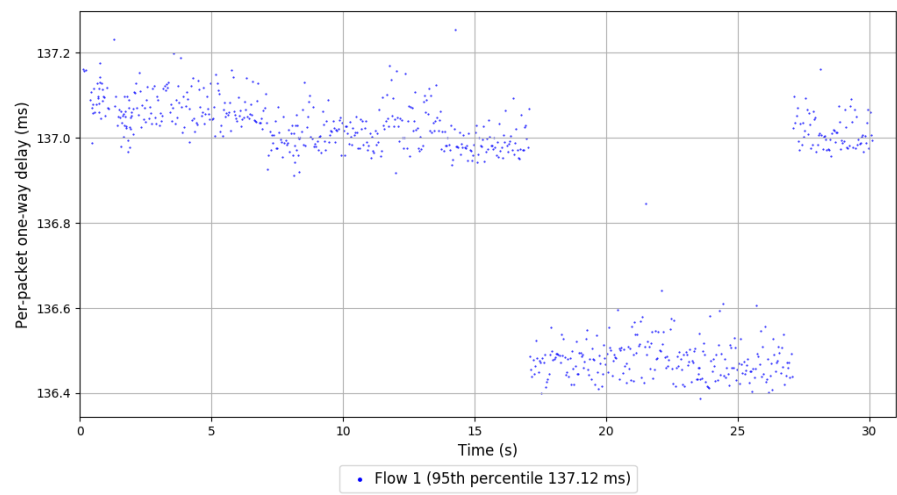
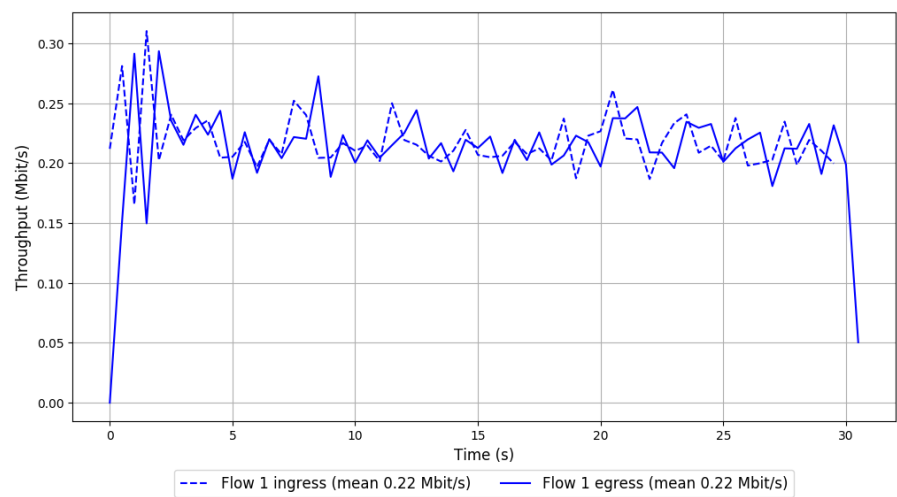


Run 10: Statistics of SCReAM

Start at: 2018-05-25 01:15:03
End at: 2018-05-25 01:15:33
Local clock offset: -0.466 ms
Remote clock offset: -0.186 ms

Below is generated by plot.py at 2018-05-25 02:45:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.118 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.118 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-05-24 21:57:36

End at: 2018-05-24 21:58:06

Local clock offset: -0.011 ms

Remote clock offset: -0.16 ms

Below is generated by plot.py at 2018-05-25 02:45:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 136.327 ms

Loss rate: 0.00%

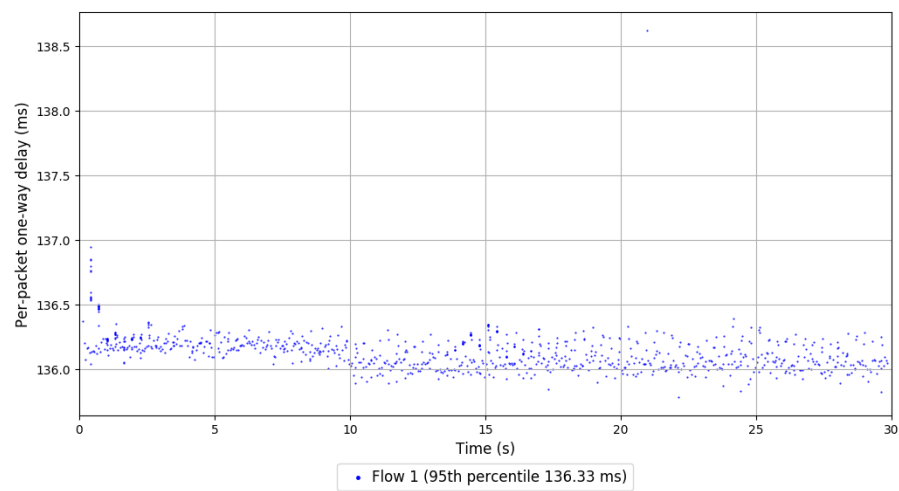
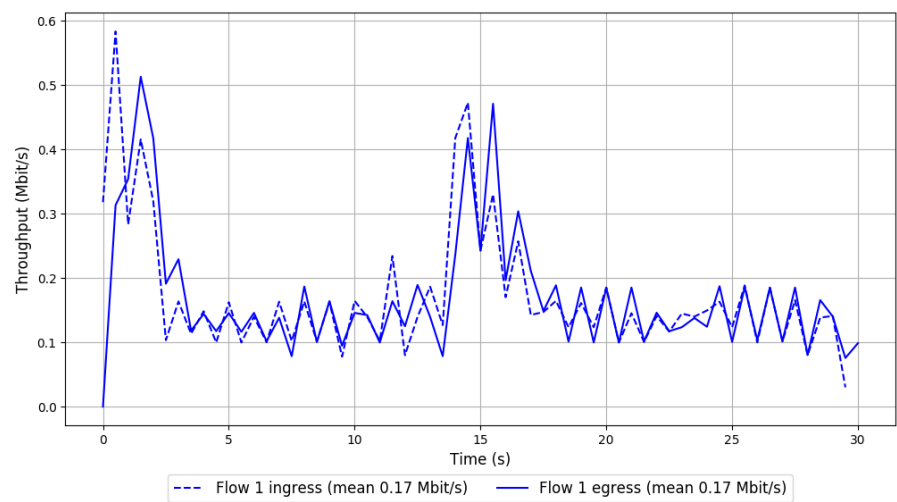
-- Flow 1:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 136.327 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

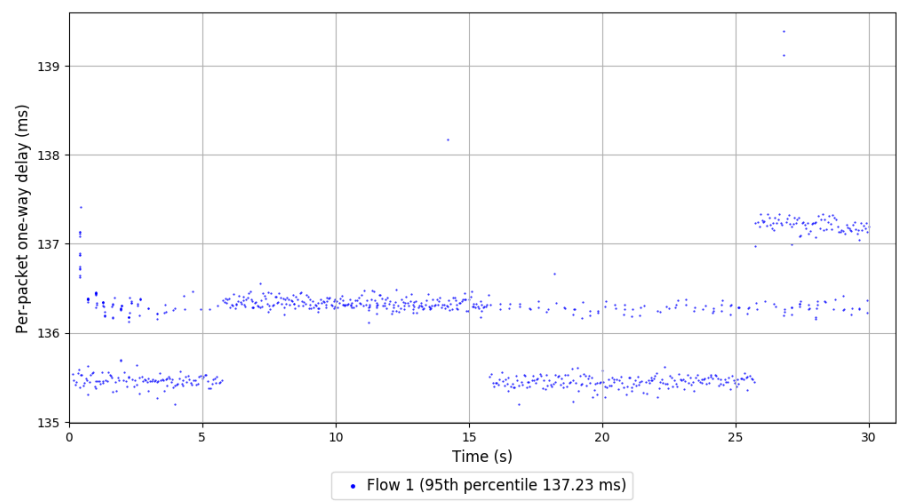
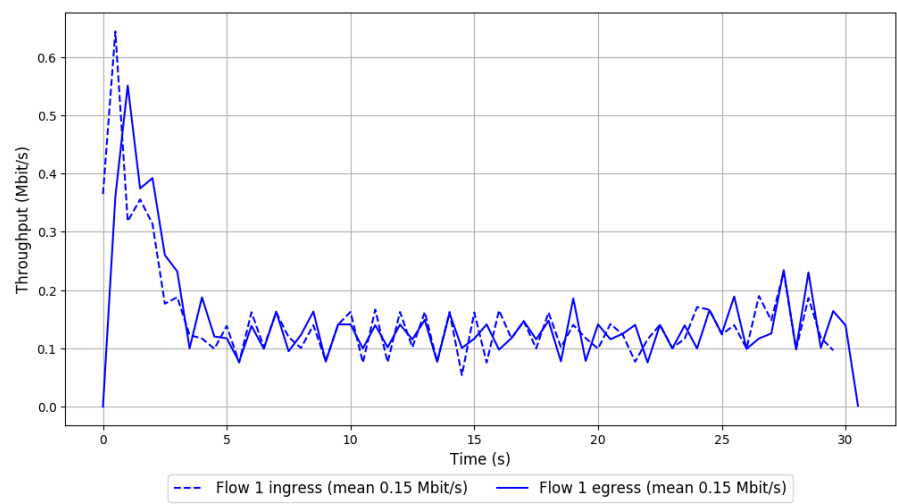


Run 2: Statistics of Sprout

Start at: 2018-05-24 22:19:30
End at: 2018-05-24 22:20:00
Local clock offset: -0.272 ms
Remote clock offset: -0.216 ms

Below is generated by plot.py at 2018-05-25 02:45:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 137.229 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 137.229 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

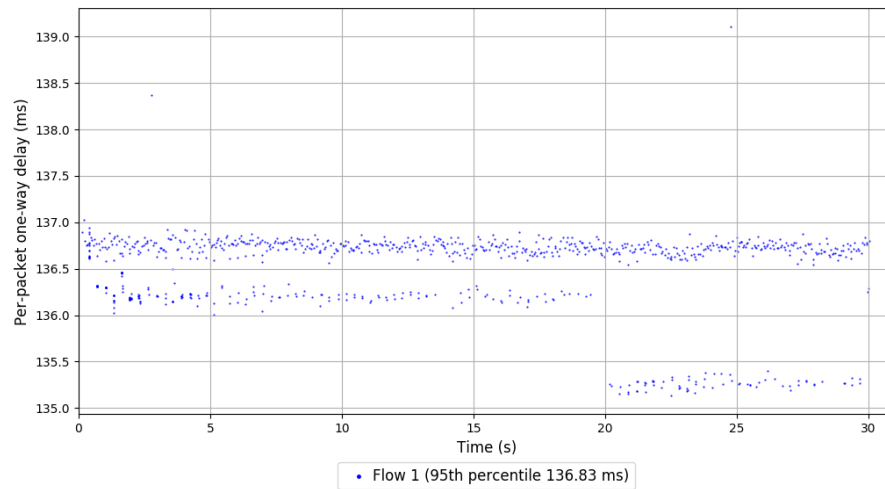
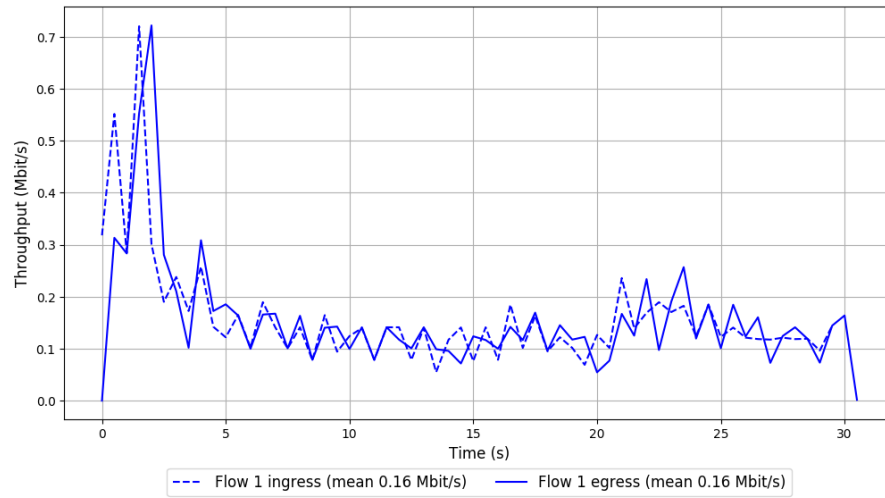


Run 3: Statistics of Sprout

Start at: 2018-05-24 22:40:26
End at: 2018-05-24 22:40:56
Local clock offset: -0.173 ms
Remote clock offset: -0.189 ms

Below is generated by plot.py at 2018-05-25 02:45:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.832 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.832 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

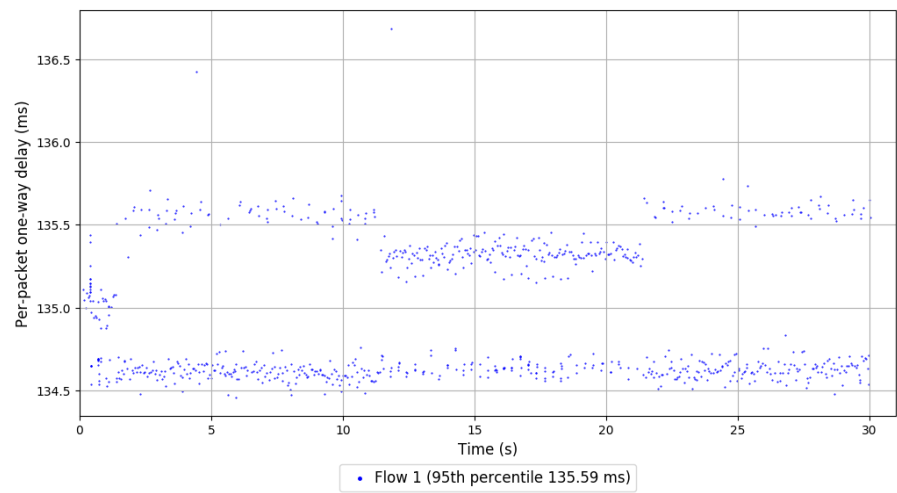
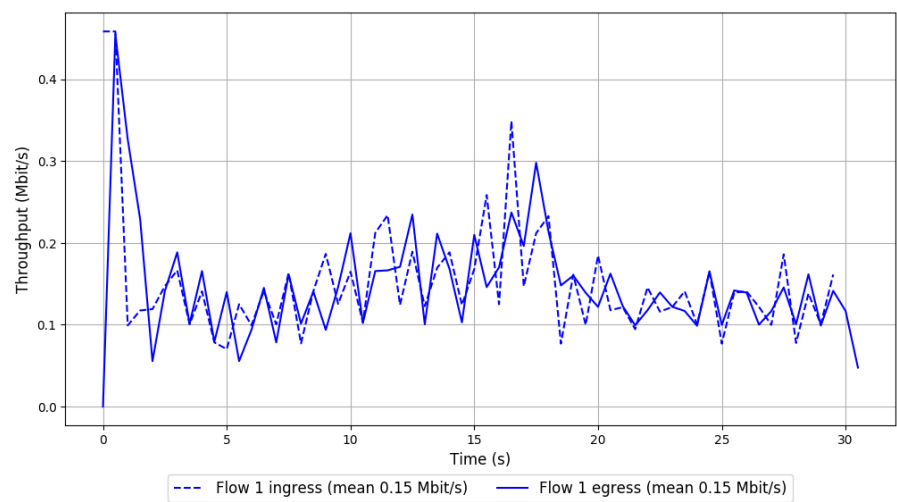


Run 4: Statistics of Sprout

Start at: 2018-05-24 23:01:34
End at: 2018-05-24 23:02:04
Local clock offset: 0.172 ms
Remote clock offset: -0.601 ms

Below is generated by plot.py at 2018-05-25 02:45:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 135.593 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 135.593 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

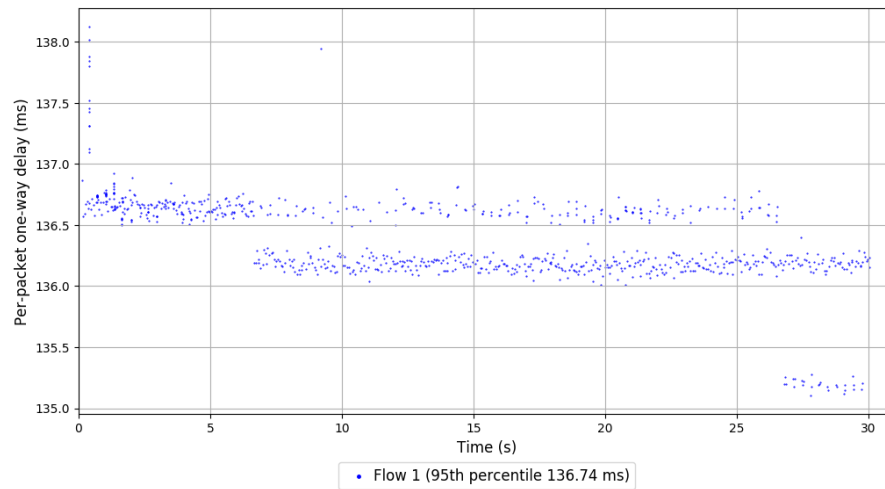
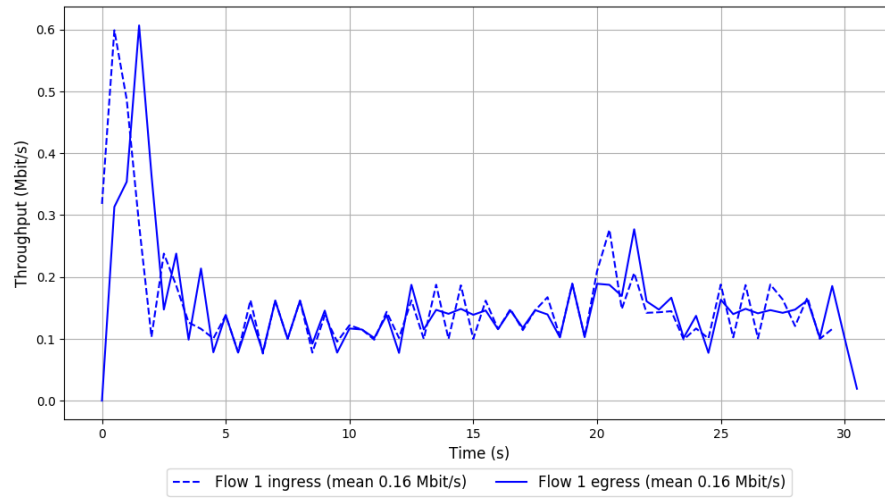


Run 5: Statistics of Sprout

Start at: 2018-05-24 23:22:49
End at: 2018-05-24 23:23:19
Local clock offset: 0.027 ms
Remote clock offset: -0.301 ms

Below is generated by plot.py at 2018-05-25 02:45:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.743 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.743 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

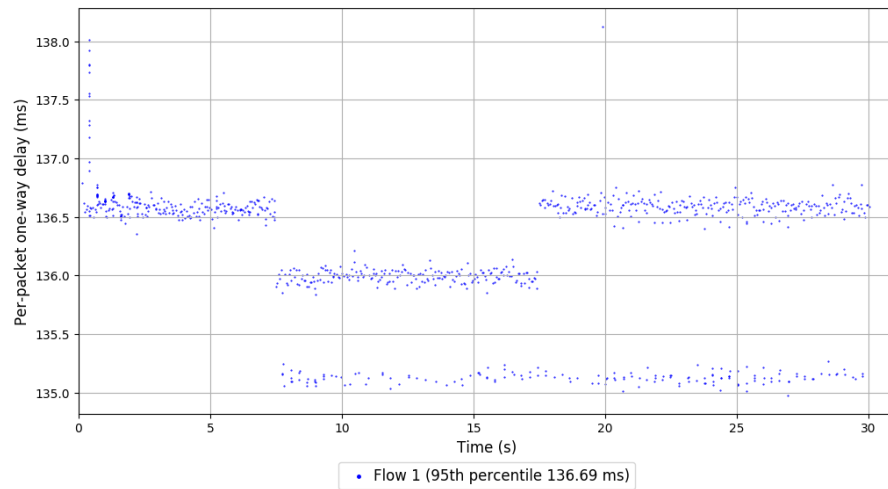
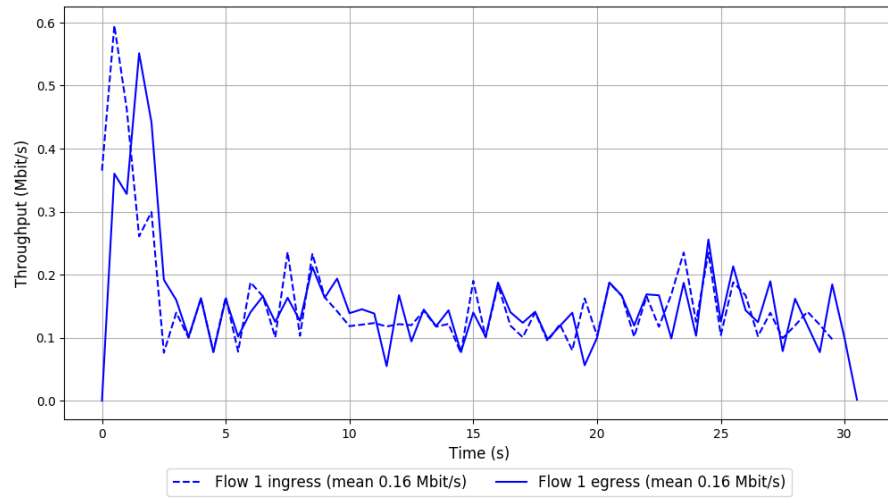


Run 6: Statistics of Sprout

Start at: 2018-05-24 23:44:28
End at: 2018-05-24 23:44:58
Local clock offset: 0.194 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-05-25 02:45:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.688 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.688 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

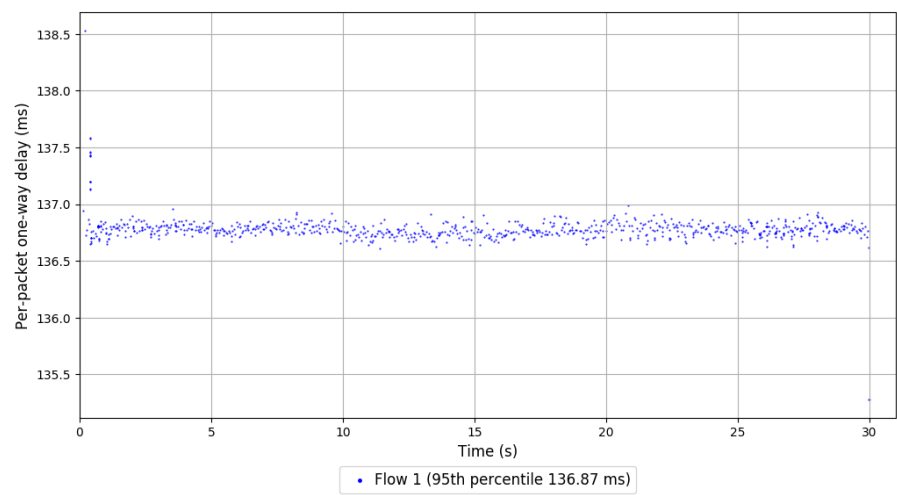
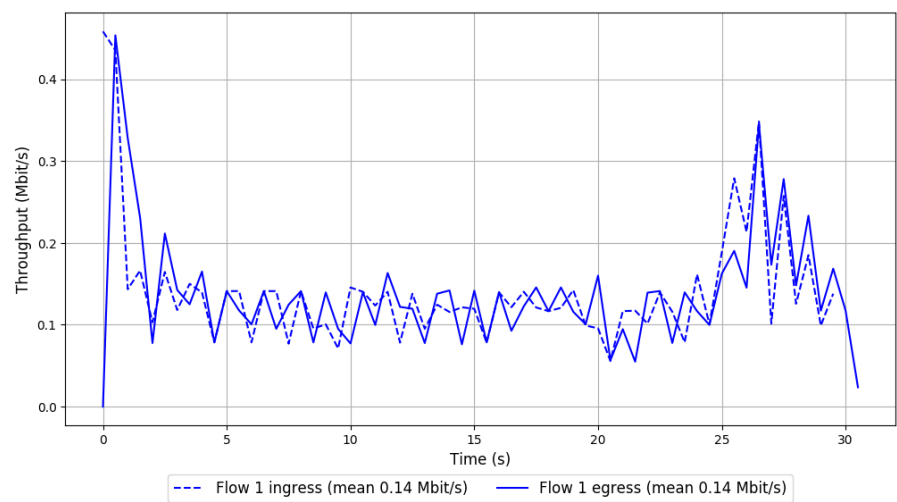


Run 7: Statistics of Sprout

Start at: 2018-05-25 00:06:06
End at: 2018-05-25 00:06:36
Local clock offset: 0.004 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-05-25 02:45:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 136.872 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 136.872 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

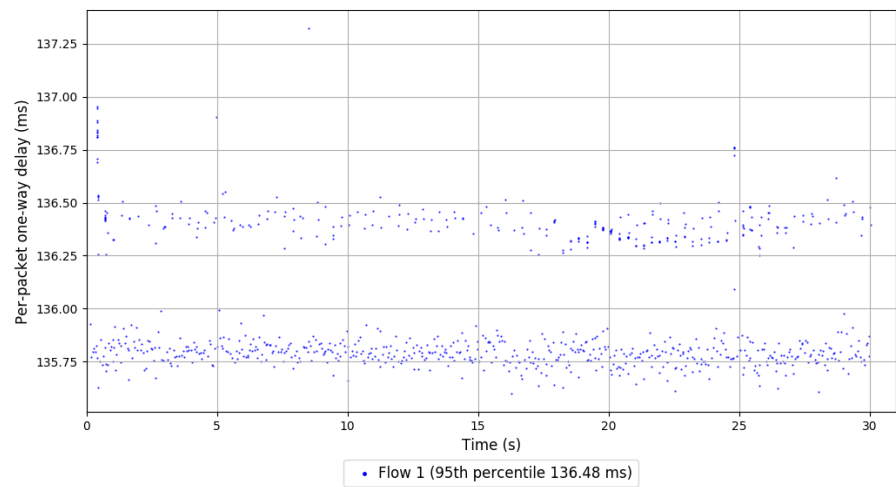
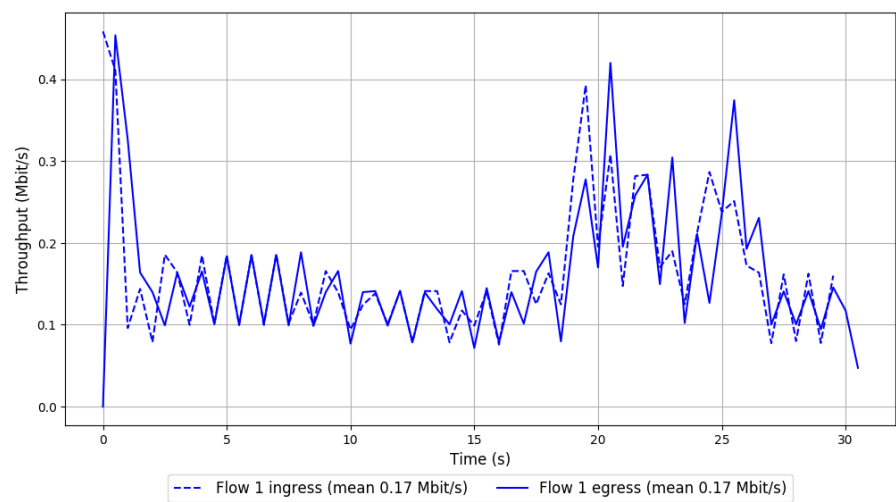


Run 8: Statistics of Sprout

Start at: 2018-05-25 00:27:31
End at: 2018-05-25 00:28:01
Local clock offset: 0.04 ms
Remote clock offset: -0.177 ms

Below is generated by plot.py at 2018-05-25 02:45:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.478 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.478 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

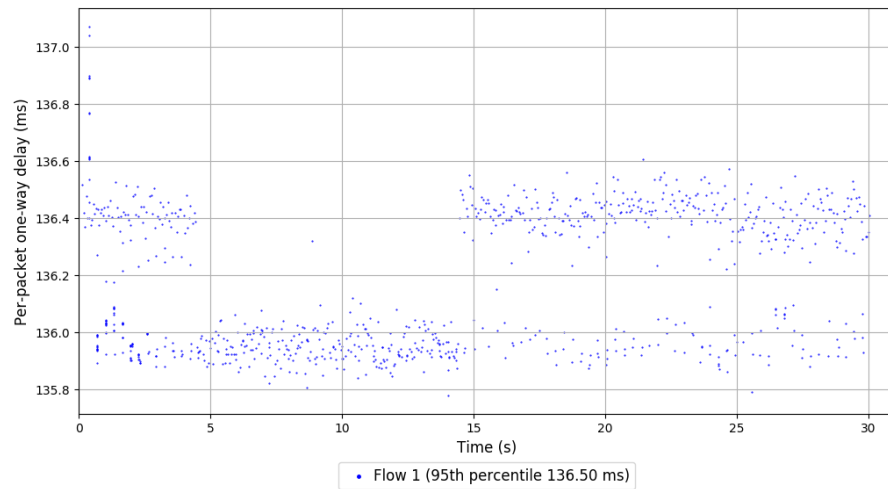
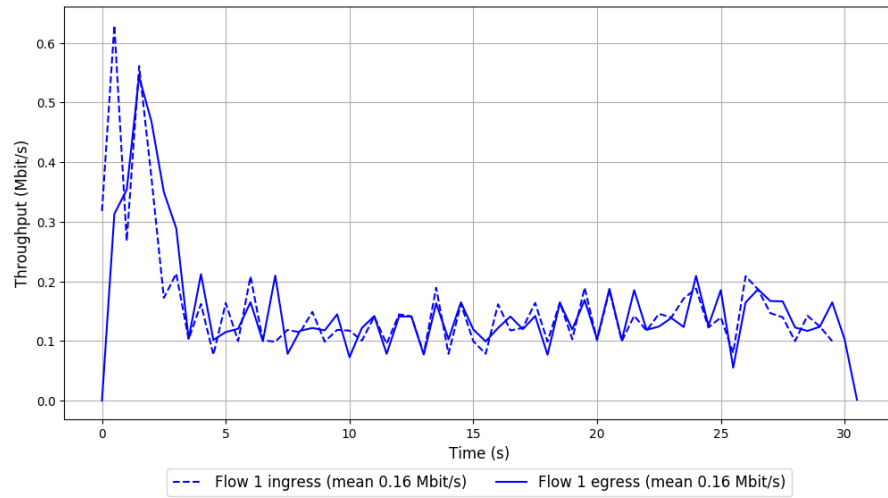


Run 9: Statistics of Sprout

Start at: 2018-05-25 00:49:31
End at: 2018-05-25 00:50:01
Local clock offset: 0.018 ms
Remote clock offset: -0.212 ms

Below is generated by plot.py at 2018-05-25 02:45:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.500 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.500 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

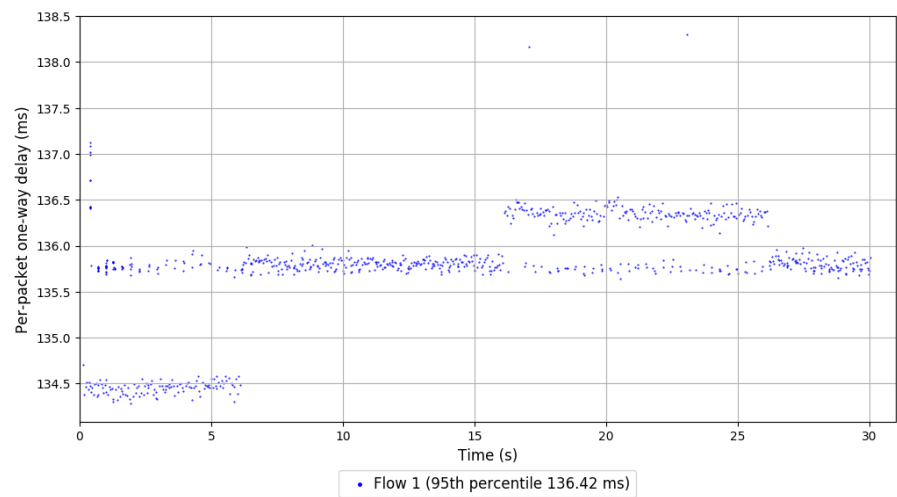
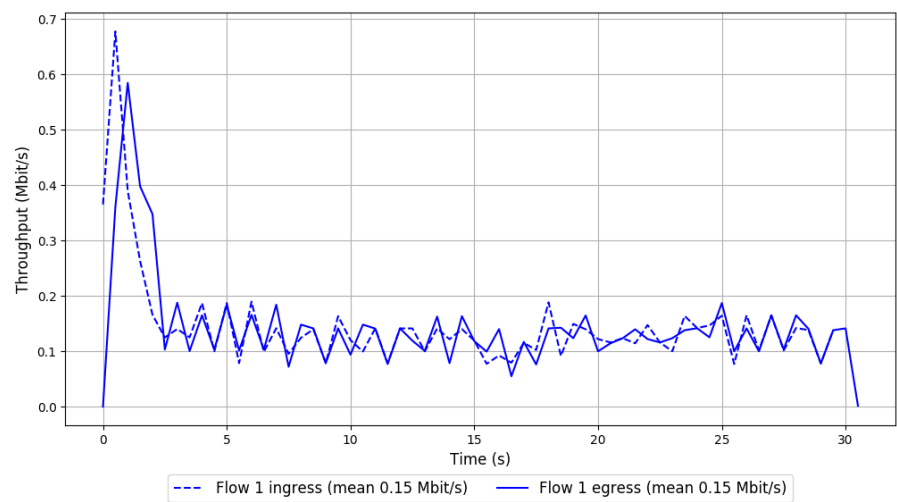


Run 10: Statistics of Sprout

Start at: 2018-05-25 01:12:20
End at: 2018-05-25 01:12:50
Local clock offset: 0.197 ms
Remote clock offset: -0.221 ms

Below is generated by plot.py at 2018-05-25 02:45:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.416 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.416 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-05-24 22:08:59

End at: 2018-05-24 22:09:29

Local clock offset: -0.216 ms

Remote clock offset: -0.216 ms

Below is generated by plot.py at 2018-05-25 02:45:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 195.10 Mbit/s

95th percentile per-packet one-way delay: 136.269 ms

Loss rate: 0.00%

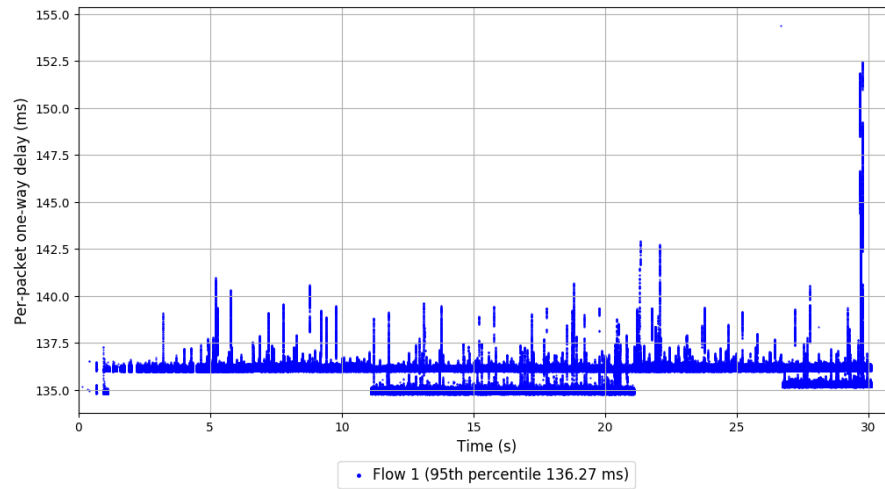
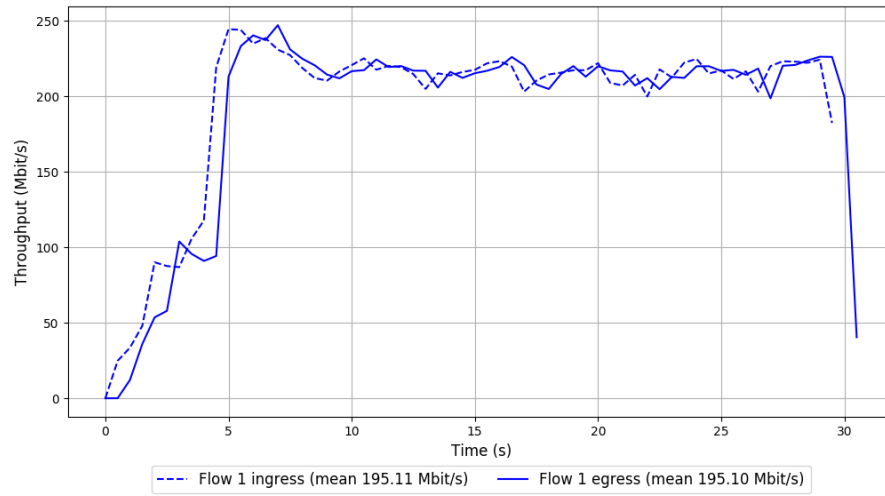
-- Flow 1:

Average throughput: 195.10 Mbit/s

95th percentile per-packet one-way delay: 136.269 ms

Loss rate: 0.00%

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

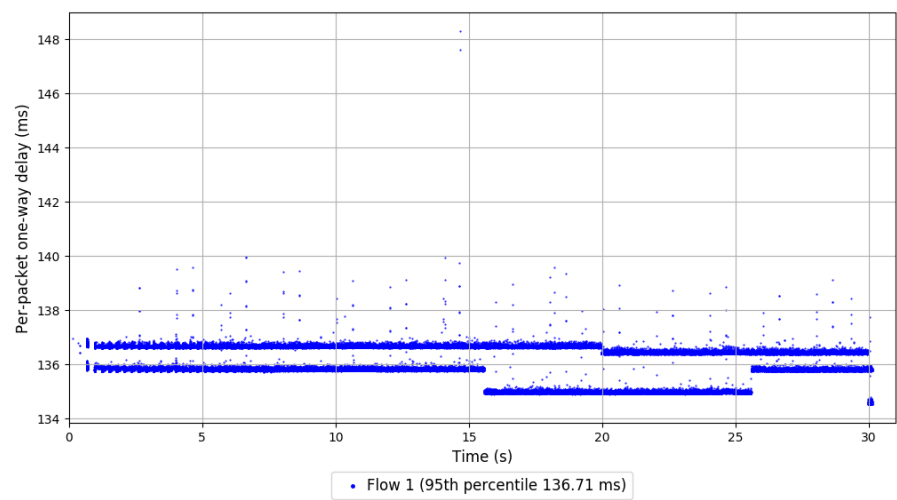
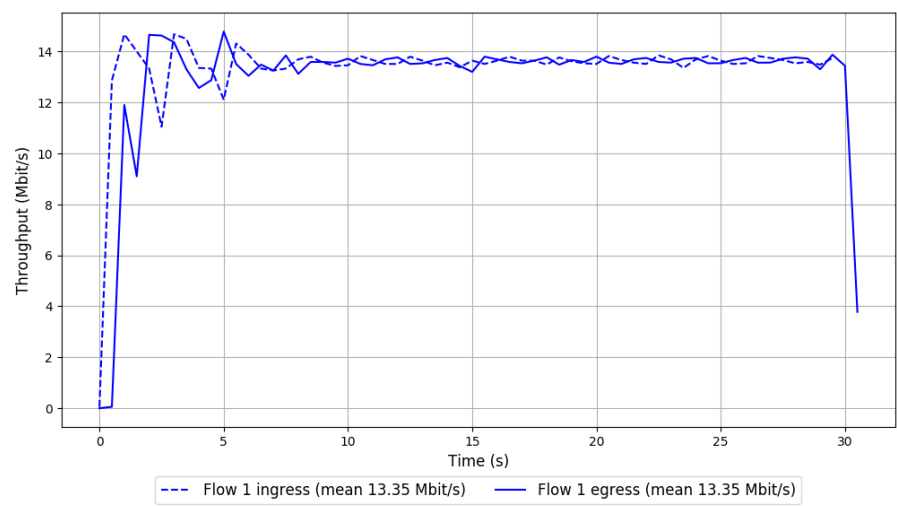


Run 2: Statistics of TaoVA-100x

Start at: 2018-05-24 22:30:50
End at: 2018-05-24 22:31:20
Local clock offset: -0.089 ms
Remote clock offset: -0.205 ms

Below is generated by plot.py at 2018-05-25 02:45:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.35 Mbit/s
95th percentile per-packet one-way delay: 136.713 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.35 Mbit/s
95th percentile per-packet one-way delay: 136.713 ms
Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-05-24 22:51:44

End at: 2018-05-24 22:52:14

Local clock offset: -0.323 ms

Remote clock offset: -0.168 ms

Below is generated by plot.py at 2018-05-25 02:45:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.28 Mbit/s

95th percentile per-packet one-way delay: 136.554 ms

Loss rate: 0.00%

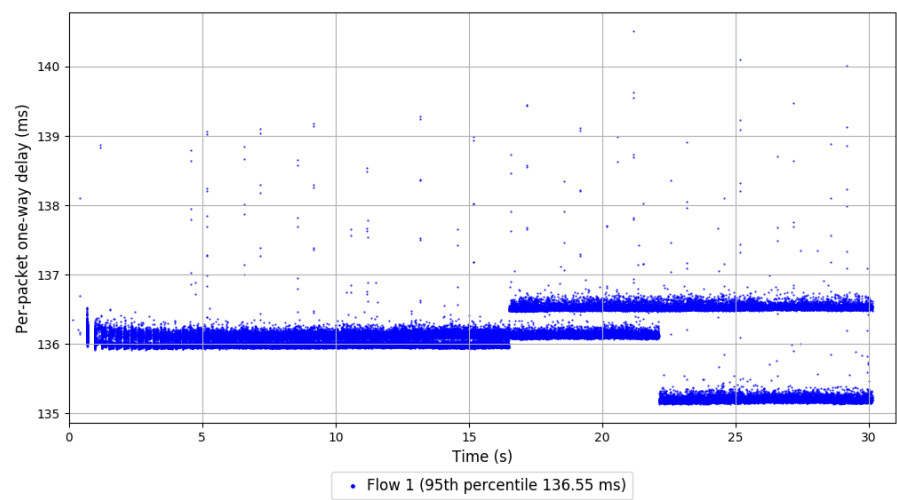
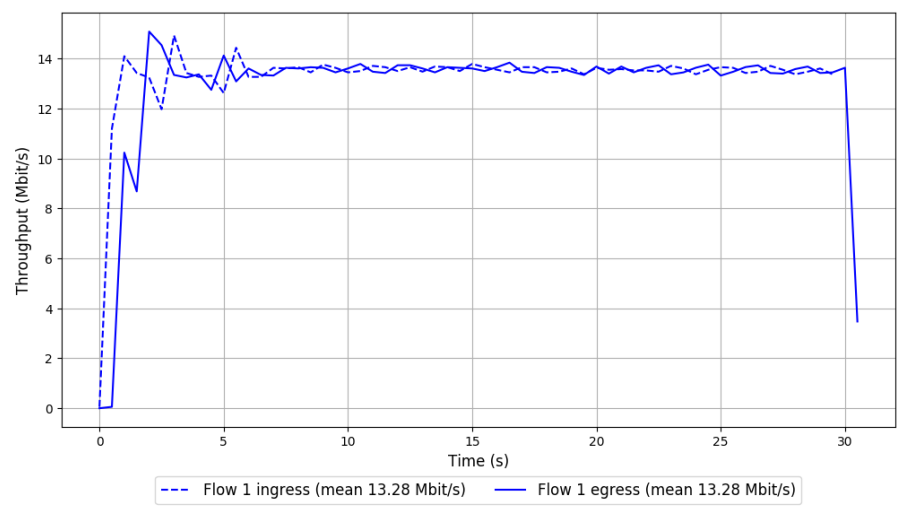
-- Flow 1:

Average throughput: 13.28 Mbit/s

95th percentile per-packet one-way delay: 136.554 ms

Loss rate: 0.00%

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

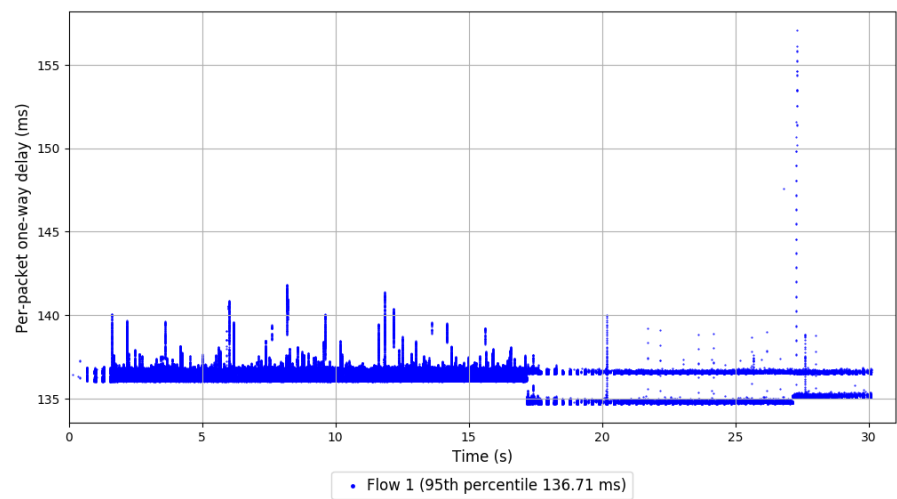
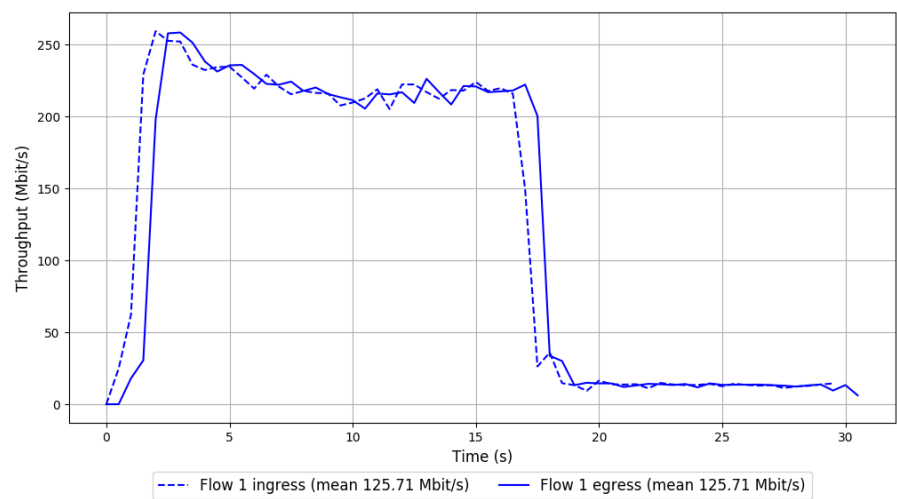


Run 4: Statistics of TaoVA-100x

Start at: 2018-05-24 23:12:49
End at: 2018-05-24 23:13:19
Local clock offset: -0.097 ms
Remote clock offset: -0.264 ms

Below is generated by plot.py at 2018-05-25 02:45:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 125.71 Mbit/s
95th percentile per-packet one-way delay: 136.705 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 125.71 Mbit/s
95th percentile per-packet one-way delay: 136.705 ms
Loss rate: 0.00%

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

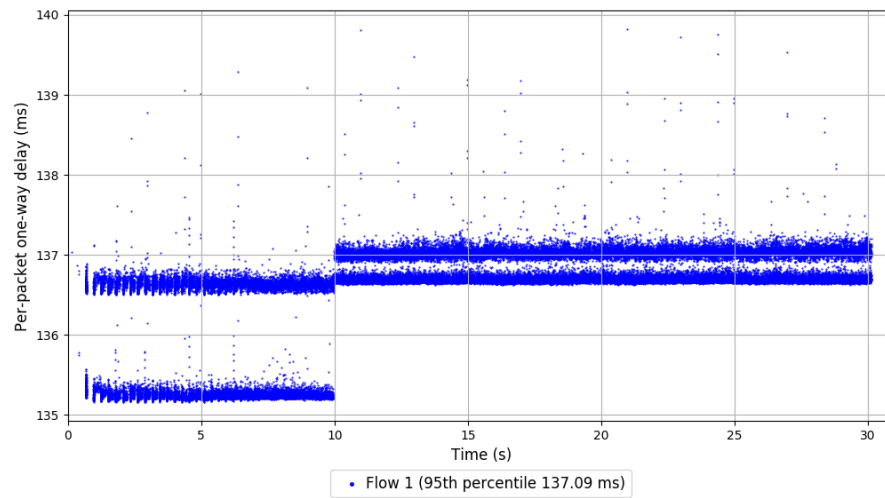
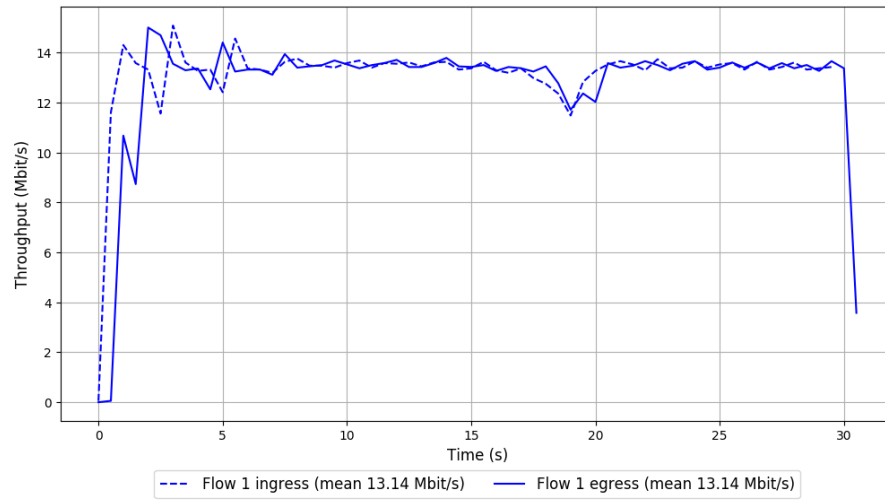


Run 5: Statistics of TaoVA-100x

Start at: 2018-05-24 23:34:16
End at: 2018-05-24 23:34:46
Local clock offset: -0.192 ms
Remote clock offset: -0.242 ms

Below is generated by plot.py at 2018-05-25 02:45:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.14 Mbit/s
95th percentile per-packet one-way delay: 137.085 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.14 Mbit/s
95th percentile per-packet one-way delay: 137.085 ms
Loss rate: 0.00%

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

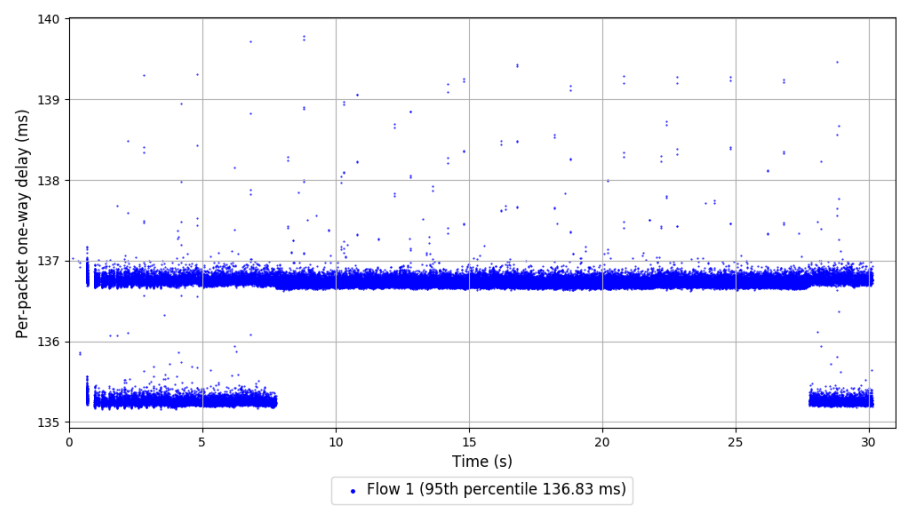
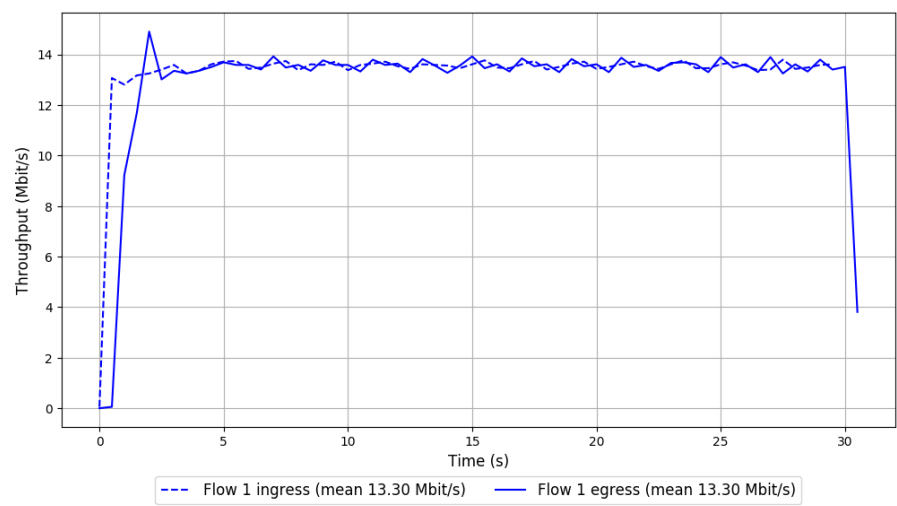


Run 6: Statistics of TaoVA-100x

Start at: 2018-05-24 23:56:18
End at: 2018-05-24 23:56:48
Local clock offset: -0.082 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-05-25 02:45:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.30 Mbit/s
95th percentile per-packet one-way delay: 136.831 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.30 Mbit/s
95th percentile per-packet one-way delay: 136.831 ms
Loss rate: 0.00%

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

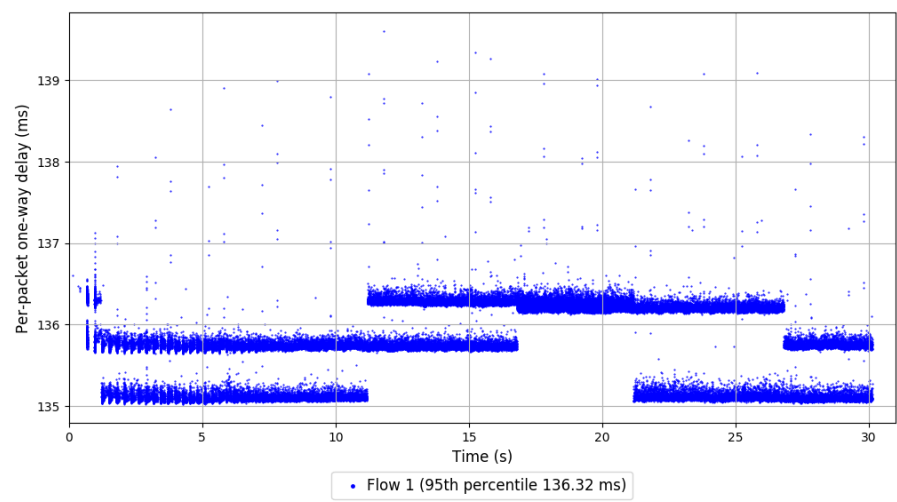
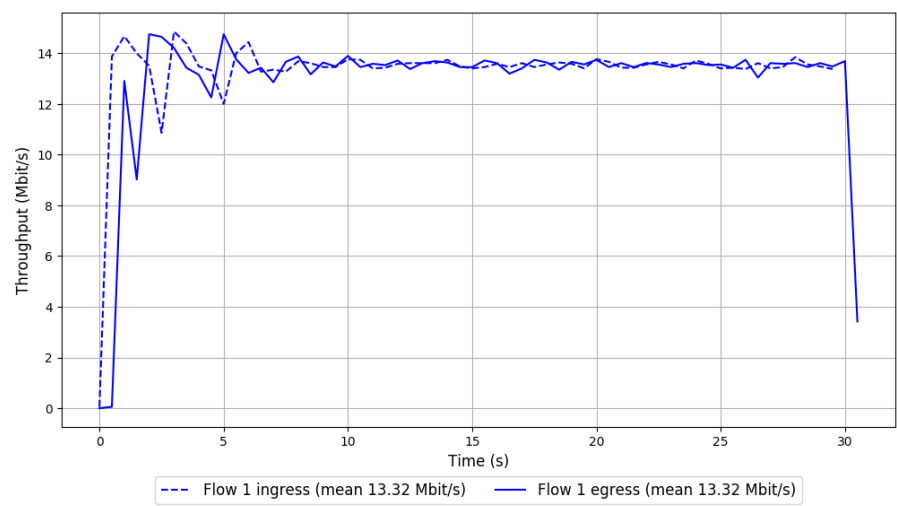


Run 7: Statistics of TaoVA-100x

Start at: 2018-05-25 00:17:39
End at: 2018-05-25 00:18:09
Local clock offset: 0.192 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-05-25 02:45:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.32 Mbit/s
95th percentile per-packet one-way delay: 136.317 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.32 Mbit/s
95th percentile per-packet one-way delay: 136.317 ms
Loss rate: 0.00%

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

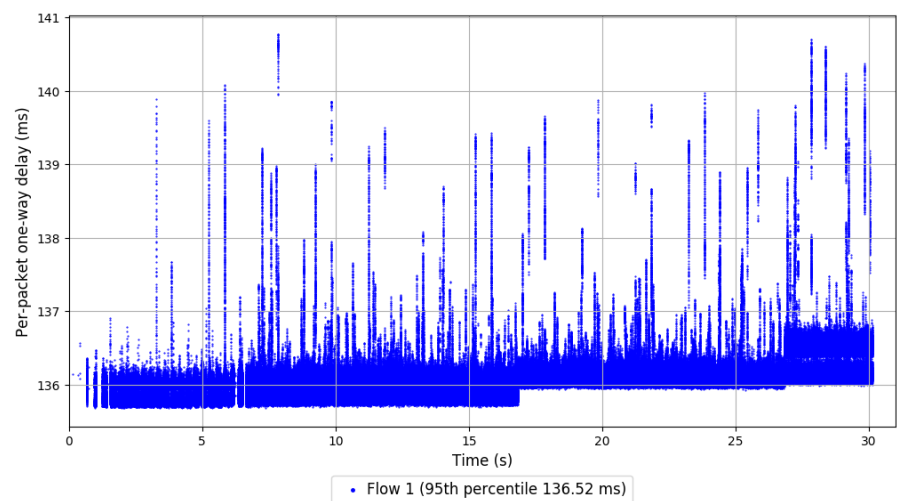
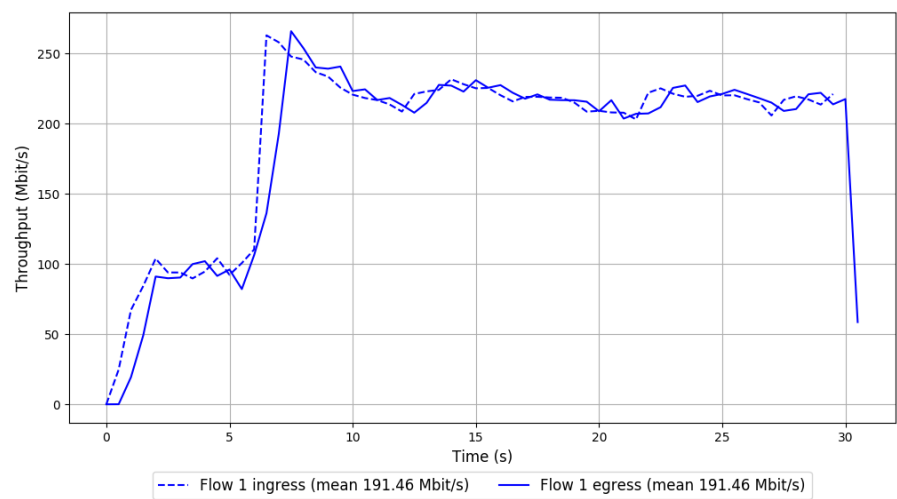


Run 8: Statistics of TaoVA-100x

Start at: 2018-05-25 00:38:49
End at: 2018-05-25 00:39:19
Local clock offset: -0.265 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2018-05-25 02:45:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 191.46 Mbit/s
95th percentile per-packet one-way delay: 136.524 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 191.46 Mbit/s
95th percentile per-packet one-way delay: 136.524 ms
Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-05-25 01:01:27

End at: 2018-05-25 01:01:57

Local clock offset: -0.304 ms

Remote clock offset: 0.182 ms

Below is generated by plot.py at 2018-05-25 02:45:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.37 Mbit/s

95th percentile per-packet one-way delay: 137.201 ms

Loss rate: 0.00%

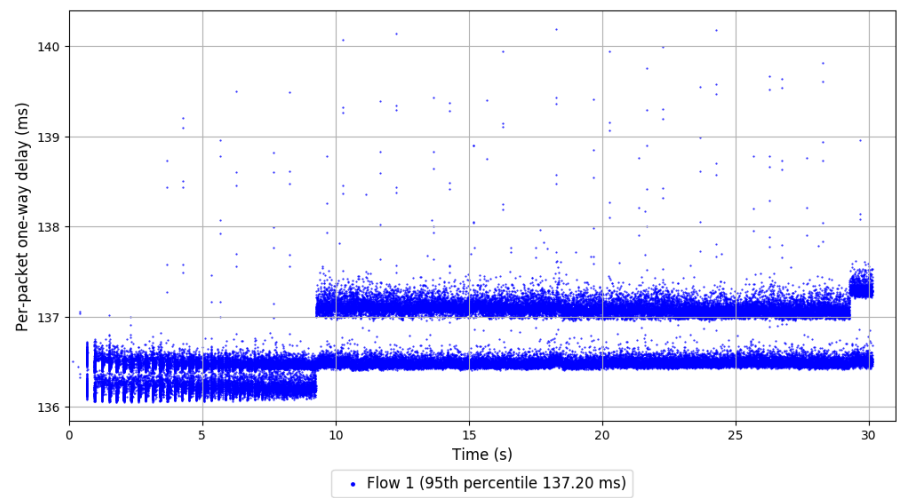
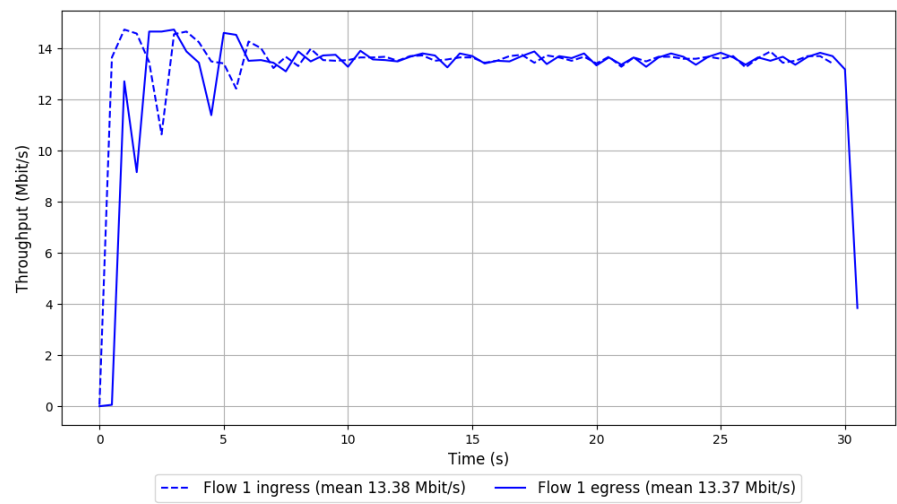
-- Flow 1:

Average throughput: 13.37 Mbit/s

95th percentile per-packet one-way delay: 137.201 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-05-25 01:24:02

End at: 2018-05-25 01:24:32

Local clock offset: -0.191 ms

Remote clock offset: -0.19 ms

Below is generated by plot.py at 2018-05-25 02:45:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.29 Mbit/s

95th percentile per-packet one-way delay: 136.611 ms

Loss rate: 0.00%

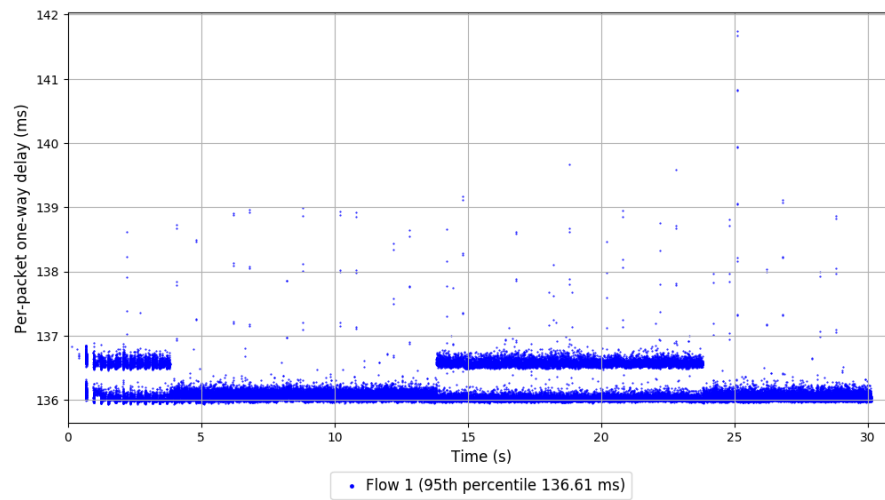
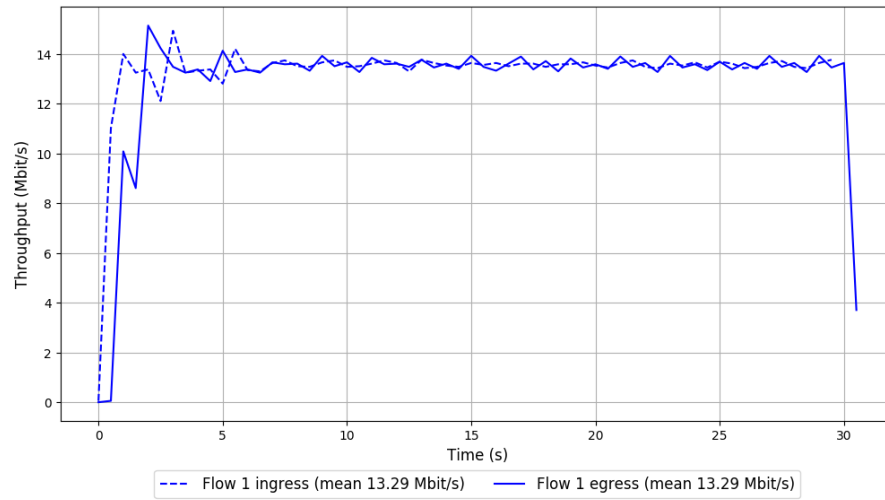
-- Flow 1:

Average throughput: 13.29 Mbit/s

95th percentile per-packet one-way delay: 136.611 ms

Loss rate: 0.00%

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

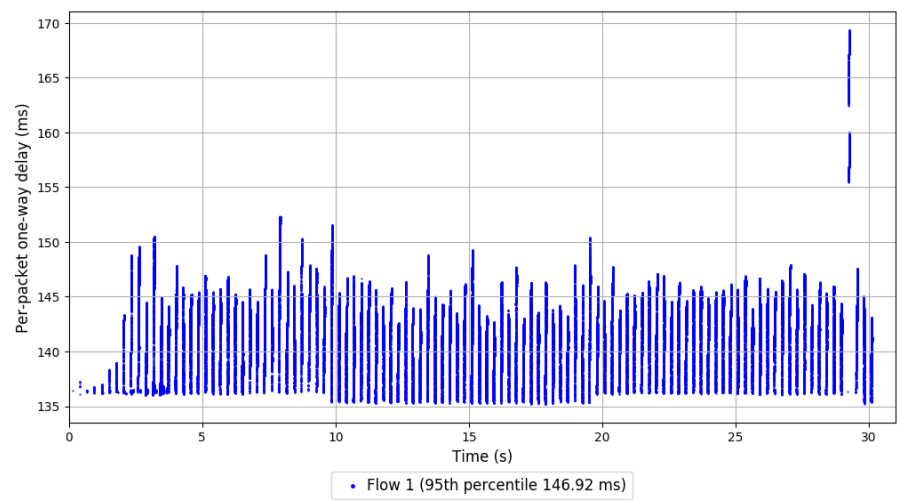
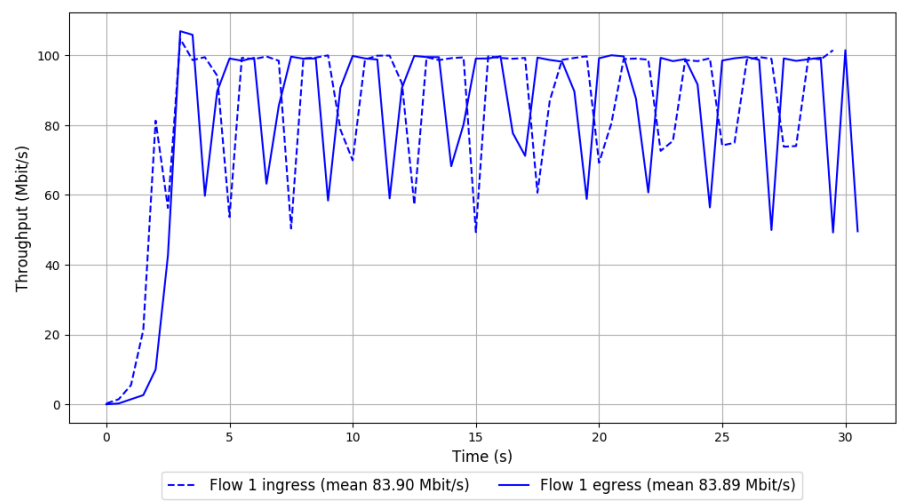


Run 1: Statistics of TCP Vegas

Start at: 2018-05-24 22:06:36
End at: 2018-05-24 22:07:06
Local clock offset: -0.263 ms
Remote clock offset: -0.273 ms

Below is generated by plot.py at 2018-05-25 02:45:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.89 Mbit/s
95th percentile per-packet one-way delay: 146.916 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.89 Mbit/s
95th percentile per-packet one-way delay: 146.916 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

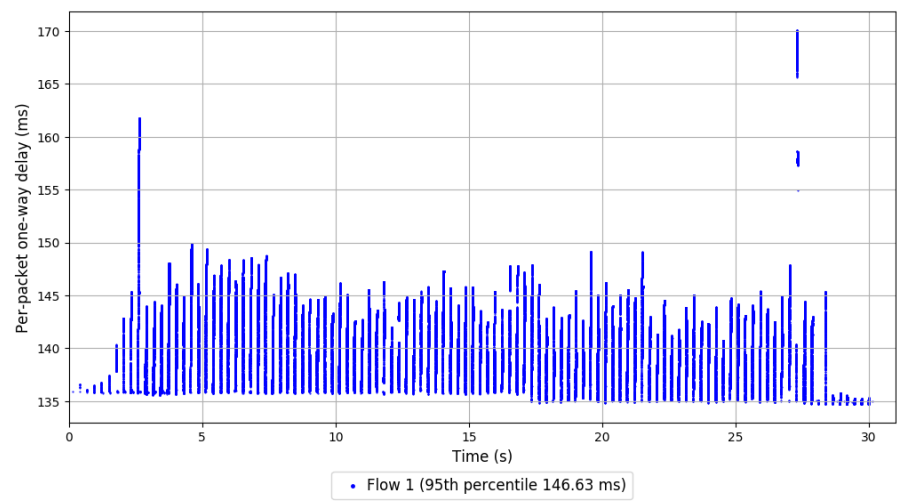
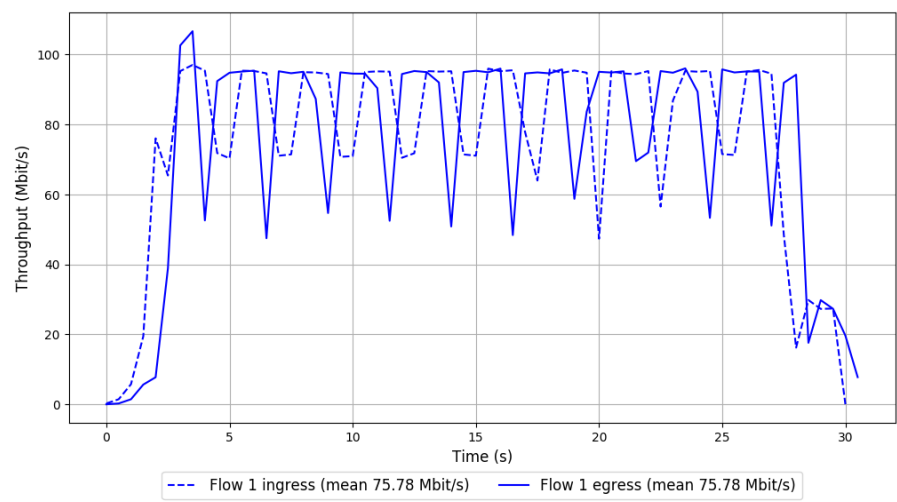


Run 2: Statistics of TCP Vegas

Start at: 2018-05-24 22:28:28
End at: 2018-05-24 22:28:59
Local clock offset: 0.15 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-05-25 02:45:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.78 Mbit/s
95th percentile per-packet one-way delay: 146.632 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 75.78 Mbit/s
95th percentile per-packet one-way delay: 146.632 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

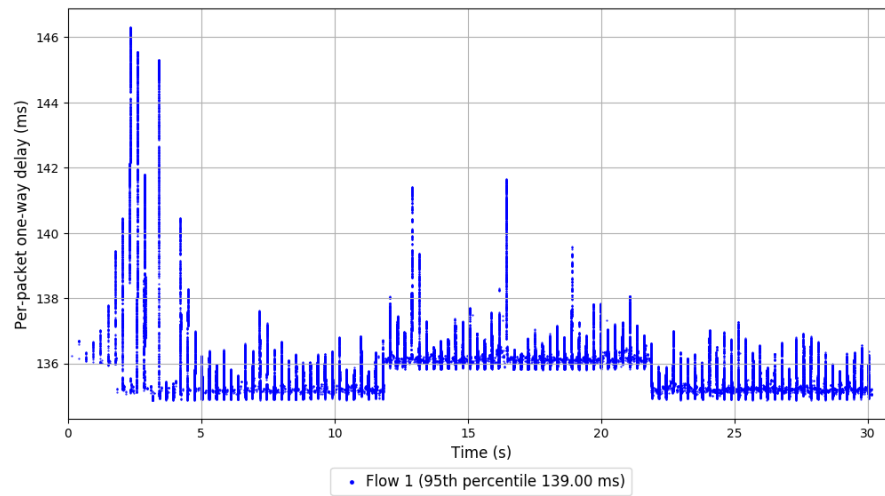
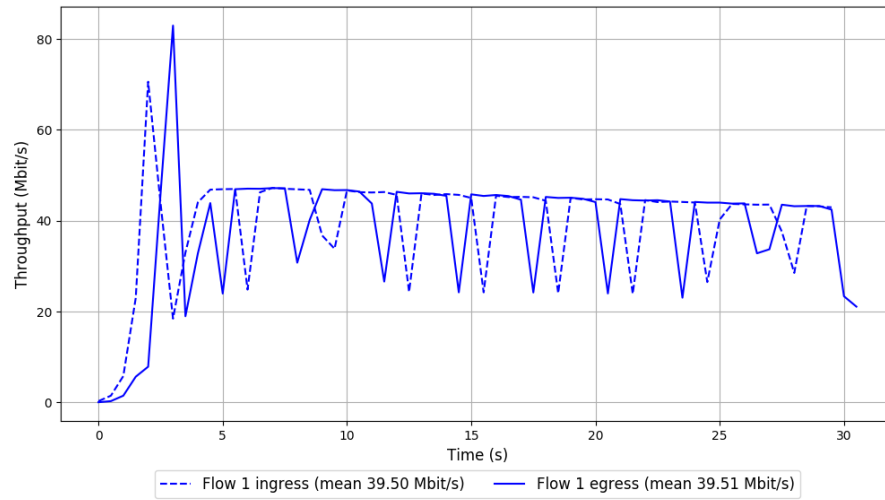


Run 3: Statistics of TCP Vegas

Start at: 2018-05-24 22:49:24
End at: 2018-05-24 22:49:54
Local clock offset: -0.107 ms
Remote clock offset: -0.195 ms

Below is generated by plot.py at 2018-05-25 02:45:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 39.51 Mbit/s
95th percentile per-packet one-way delay: 139.001 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 39.51 Mbit/s
95th percentile per-packet one-way delay: 139.001 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

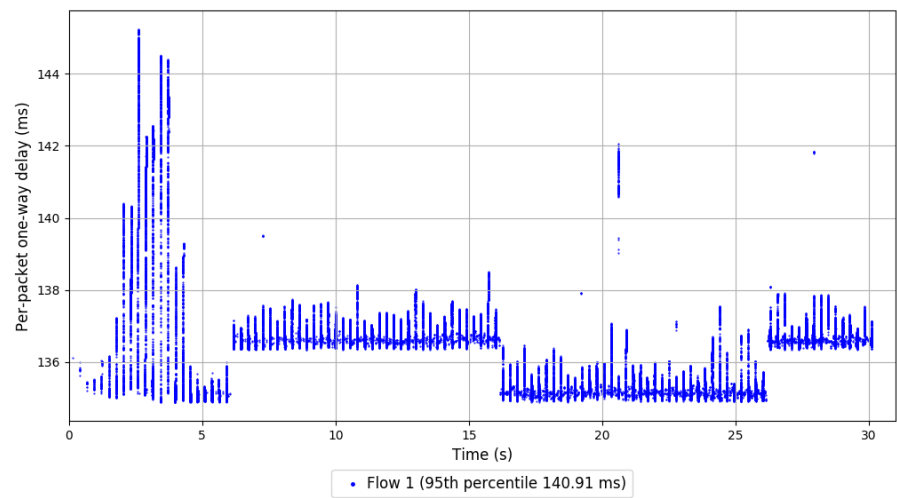
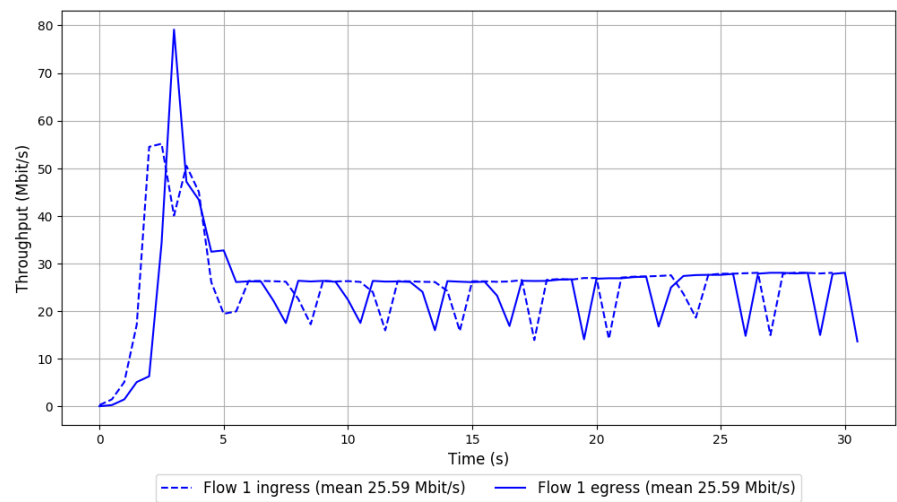


Run 4: Statistics of TCP Vegas

Start at: 2018-05-24 23:10:30
End at: 2018-05-24 23:11:00
Local clock offset: 0.088 ms
Remote clock offset: -0.235 ms

Below is generated by plot.py at 2018-05-25 02:45:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 25.59 Mbit/s
95th percentile per-packet one-way delay: 140.909 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 25.59 Mbit/s
95th percentile per-packet one-way delay: 140.909 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

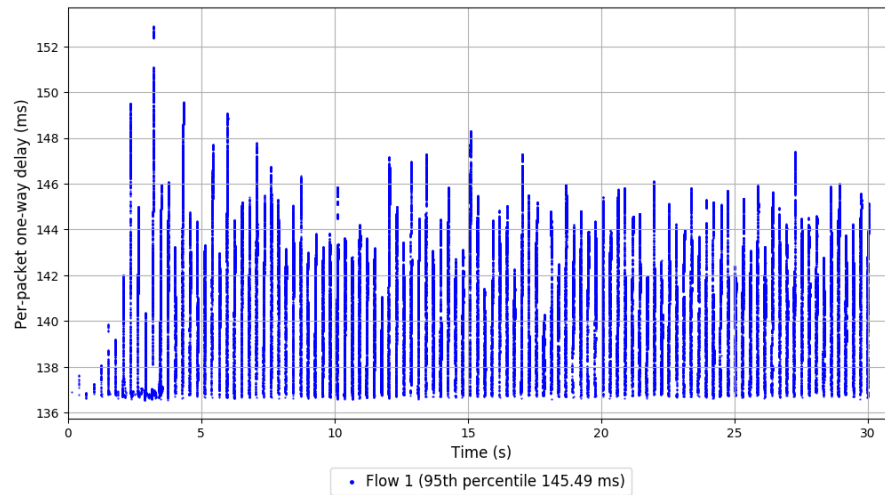
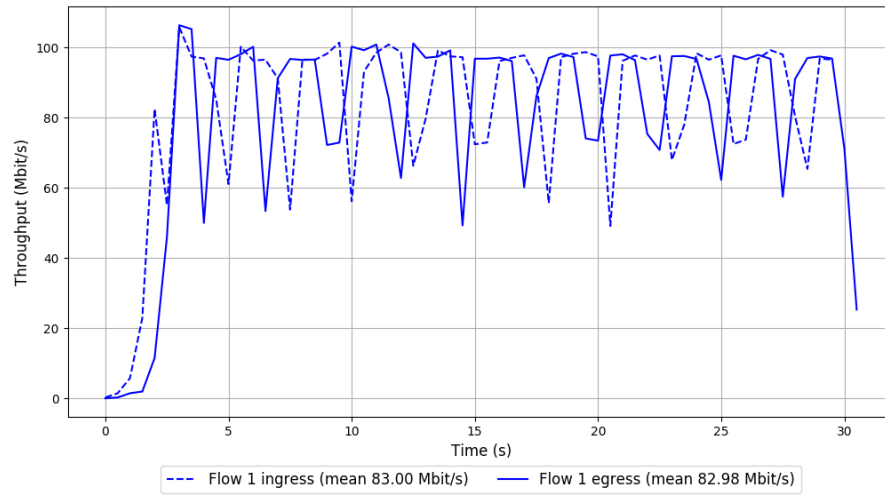


Run 5: Statistics of TCP Vegas

Start at: 2018-05-24 23:31:53
End at: 2018-05-24 23:32:23
Local clock offset: -0.092 ms
Remote clock offset: -0.233 ms

Below is generated by plot.py at 2018-05-25 02:45:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.98 Mbit/s
95th percentile per-packet one-way delay: 145.491 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.98 Mbit/s
95th percentile per-packet one-way delay: 145.491 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

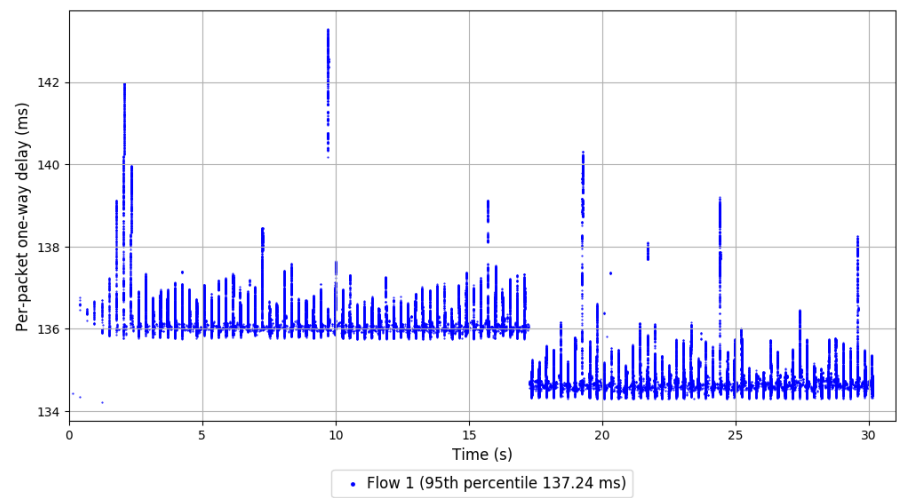
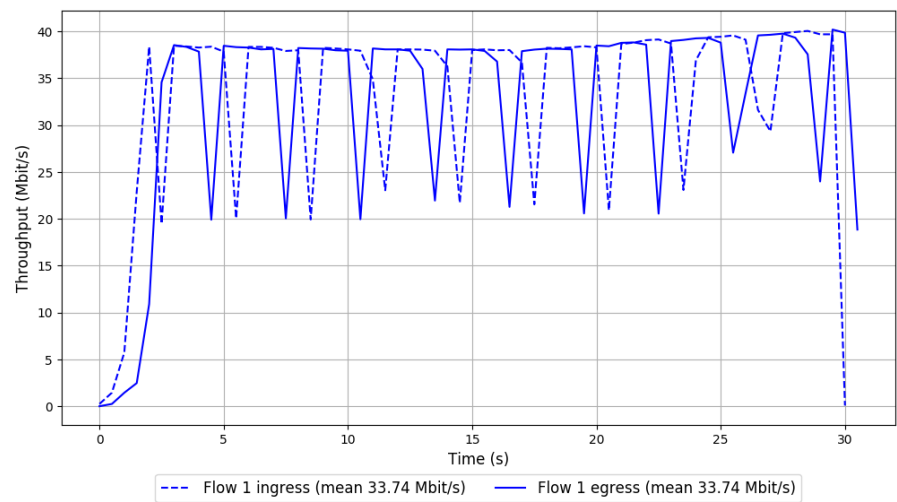


Run 6: Statistics of TCP Vegas

Start at: 2018-05-24 23:53:59
End at: 2018-05-24 23:54:29
Local clock offset: 0.365 ms
Remote clock offset: -0.477 ms

Below is generated by plot.py at 2018-05-25 02:45:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.74 Mbit/s
95th percentile per-packet one-way delay: 137.241 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 33.74 Mbit/s
95th percentile per-packet one-way delay: 137.241 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

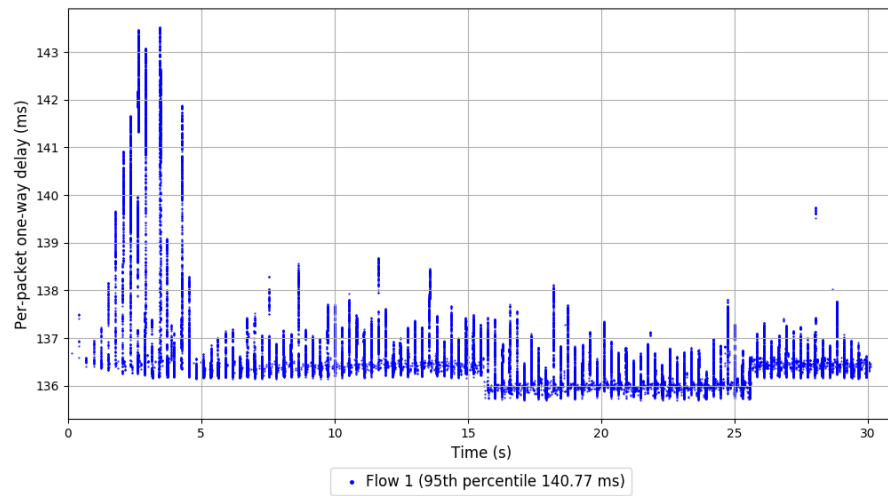
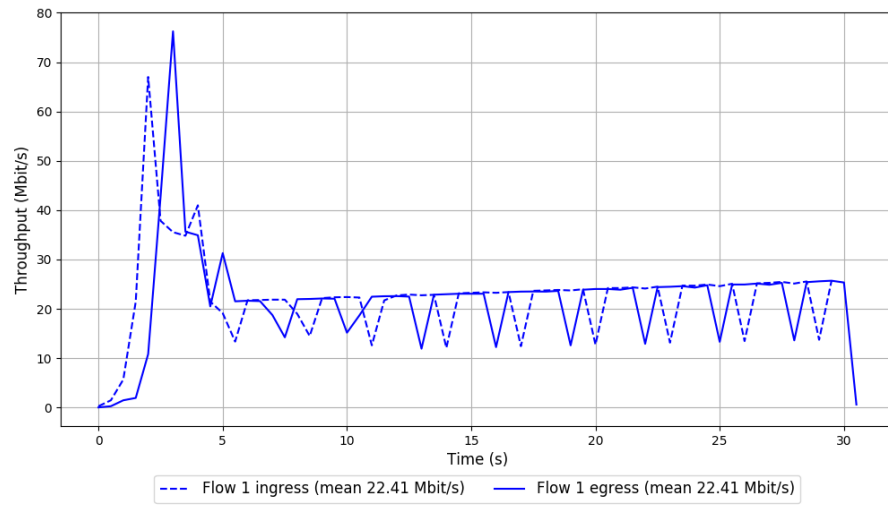


Run 7: Statistics of TCP Vegas

Start at: 2018-05-25 00:15:20
End at: 2018-05-25 00:15:50
Local clock offset: -0.254 ms
Remote clock offset: -0.523 ms

Below is generated by plot.py at 2018-05-25 02:45:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.41 Mbit/s
95th percentile per-packet one-way delay: 140.771 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.41 Mbit/s
95th percentile per-packet one-way delay: 140.771 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-05-25 00:36:30

End at: 2018-05-25 00:37:00

Local clock offset: -0.163 ms

Remote clock offset: 0.219 ms

Below is generated by plot.py at 2018-05-25 02:45:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.04 Mbit/s

95th percentile per-packet one-way delay: 137.901 ms

Loss rate: 0.00%

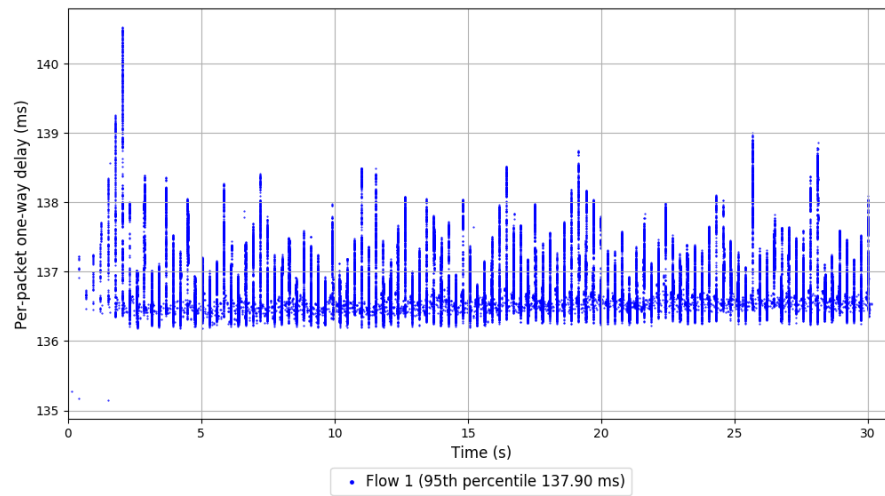
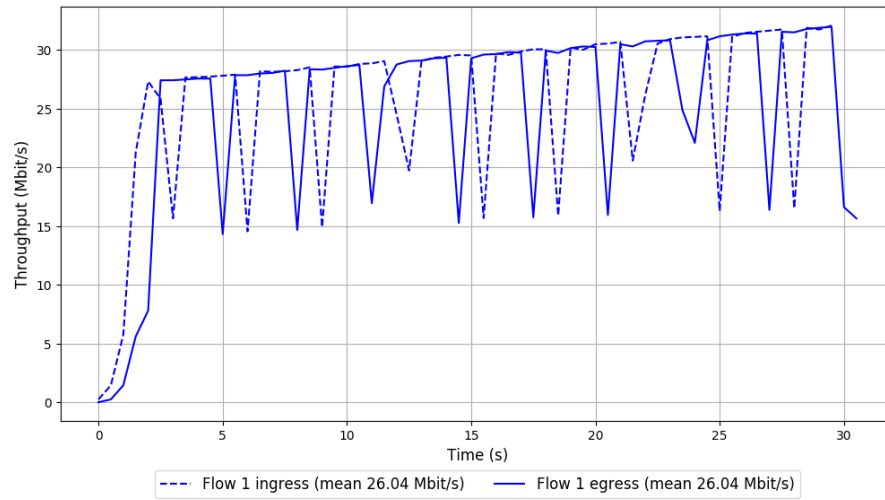
-- Flow 1:

Average throughput: 26.04 Mbit/s

95th percentile per-packet one-way delay: 137.901 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-05-25 00:59:07

End at: 2018-05-25 00:59:37

Local clock offset: -0.474 ms

Remote clock offset: 0.194 ms

Below is generated by plot.py at 2018-05-25 02:45:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.15 Mbit/s

95th percentile per-packet one-way delay: 142.176 ms

Loss rate: 0.00%

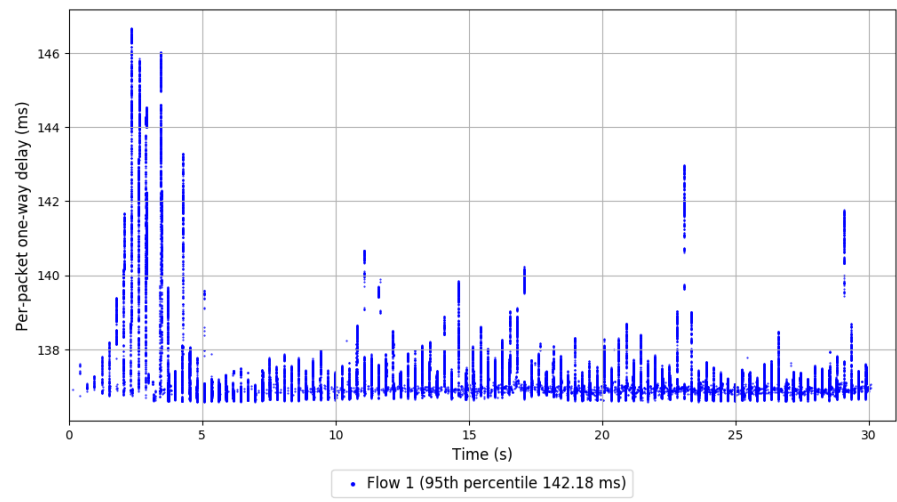
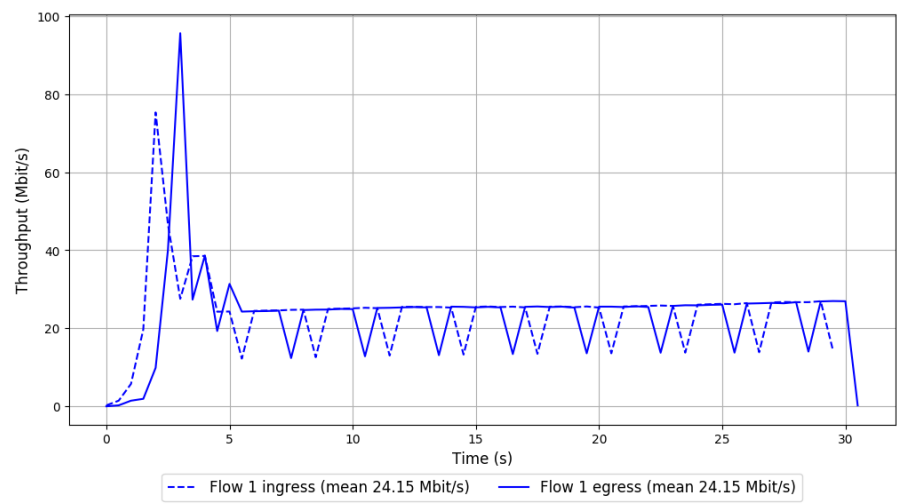
-- Flow 1:

Average throughput: 24.15 Mbit/s

95th percentile per-packet one-way delay: 142.176 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

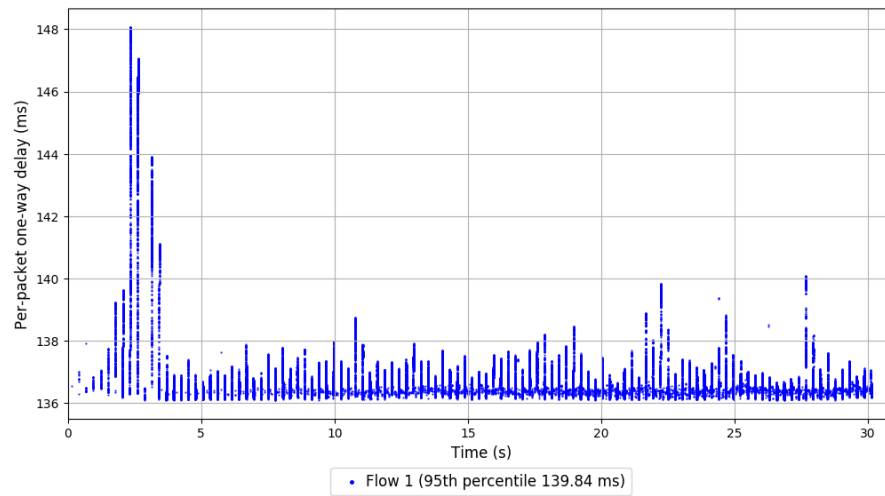
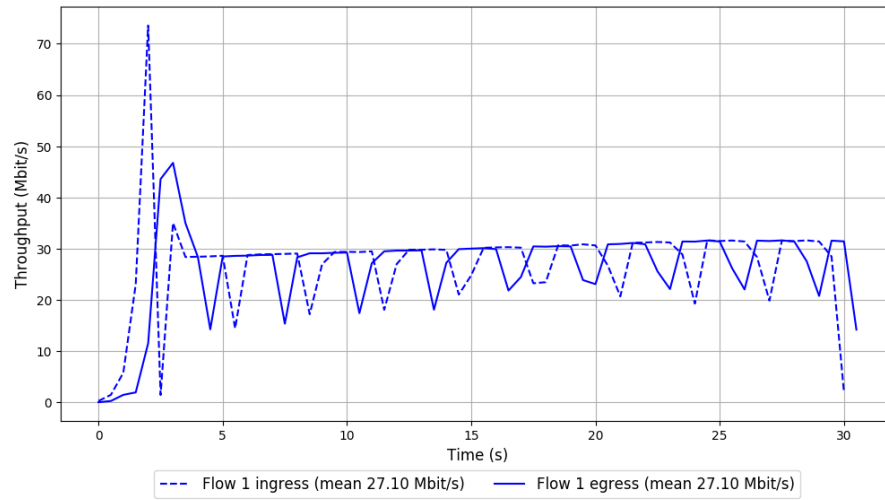


Run 10: Statistics of TCP Vegas

Start at: 2018-05-25 01:21:37
End at: 2018-05-25 01:22:07
Local clock offset: -0.348 ms
Remote clock offset: -0.179 ms

Below is generated by plot.py at 2018-05-25 02:45:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 27.10 Mbit/s
95th percentile per-packet one-way delay: 139.844 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 27.10 Mbit/s
95th percentile per-packet one-way delay: 139.844 ms
Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-05-24 22:16:30

End at: 2018-05-24 22:17:00

Local clock offset: 0.16 ms

Remote clock offset: -0.24 ms

Below is generated by plot.py at 2018-05-25 02:48:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 260.98 Mbit/s

95th percentile per-packet one-way delay: 213.992 ms

Loss rate: 0.09%

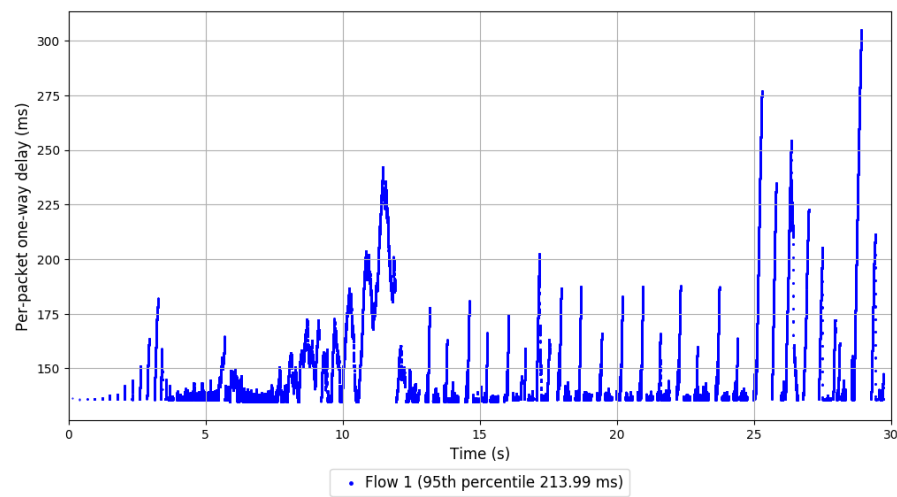
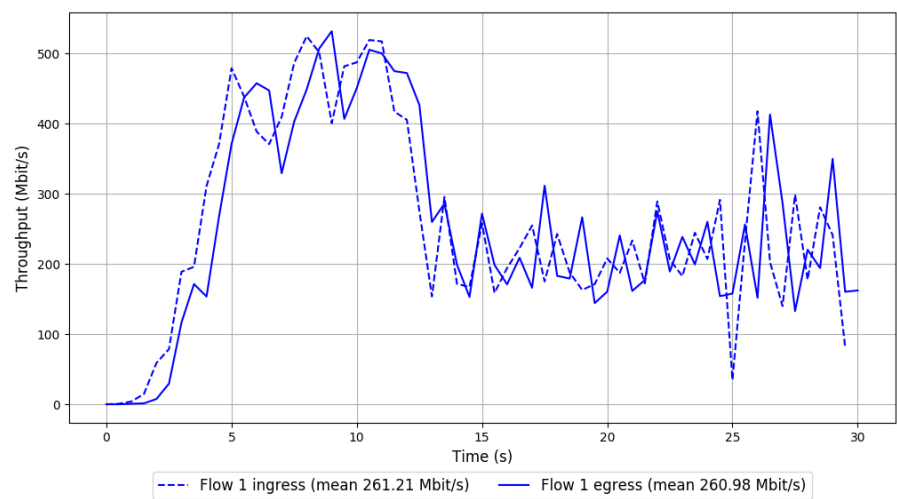
-- Flow 1:

Average throughput: 260.98 Mbit/s

95th percentile per-packet one-way delay: 213.992 ms

Loss rate: 0.09%

Run 1: Report of Verus — Data Link

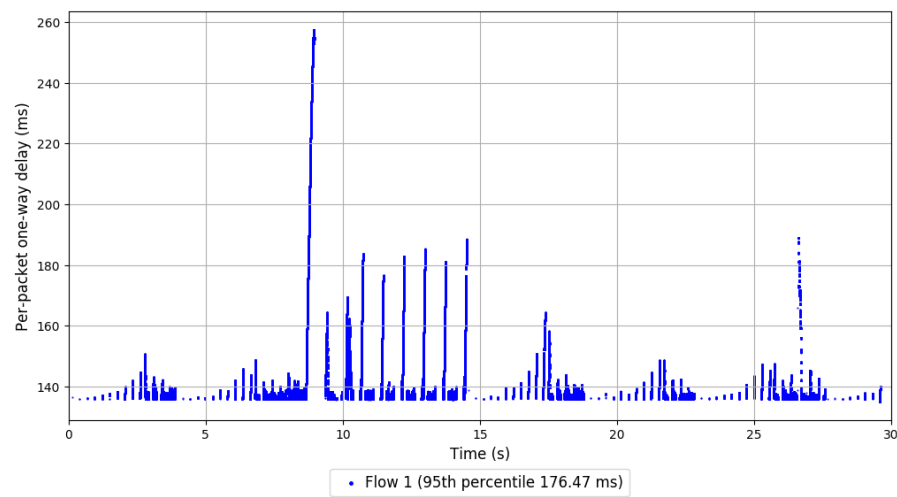
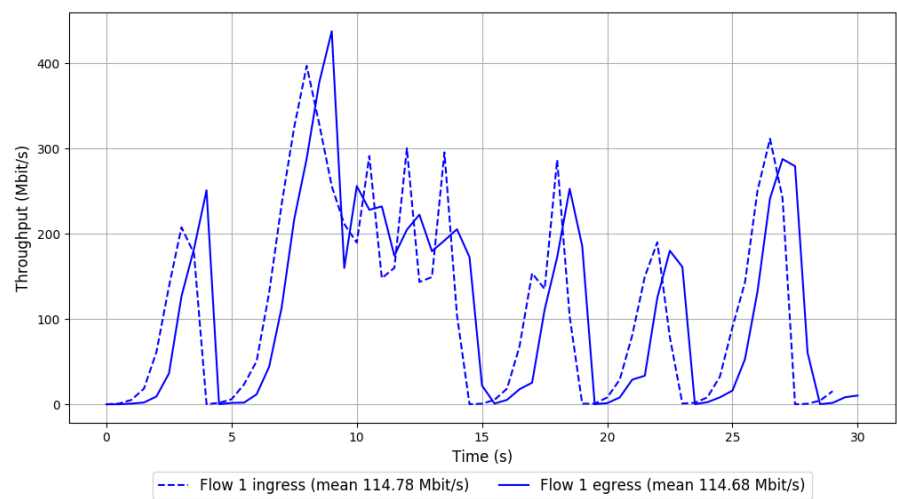


Run 2: Statistics of Verus

Start at: 2018-05-24 22:37:36
End at: 2018-05-24 22:38:06
Local clock offset: -0.006 ms
Remote clock offset: -0.148 ms

Below is generated by plot.py at 2018-05-25 02:48:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 114.68 Mbit/s
95th percentile per-packet one-way delay: 176.466 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 114.68 Mbit/s
95th percentile per-packet one-way delay: 176.466 ms
Loss rate: 0.07%

Run 2: Report of Verus — Data Link

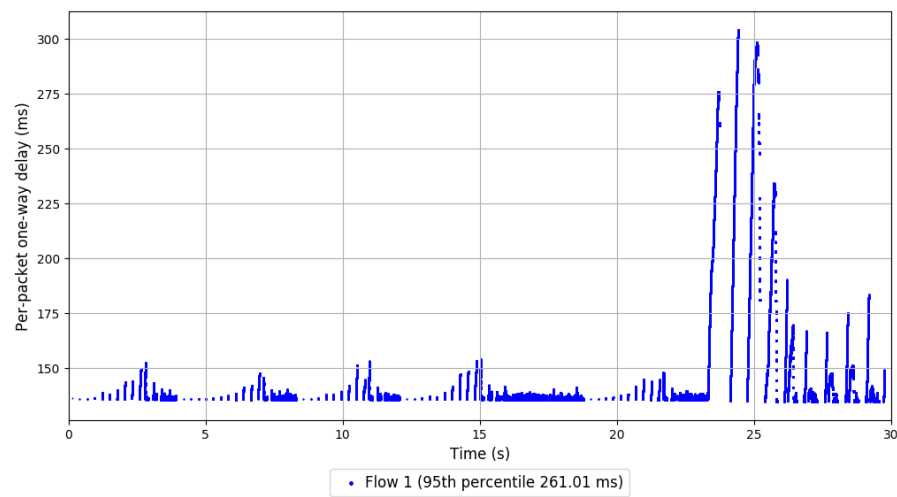
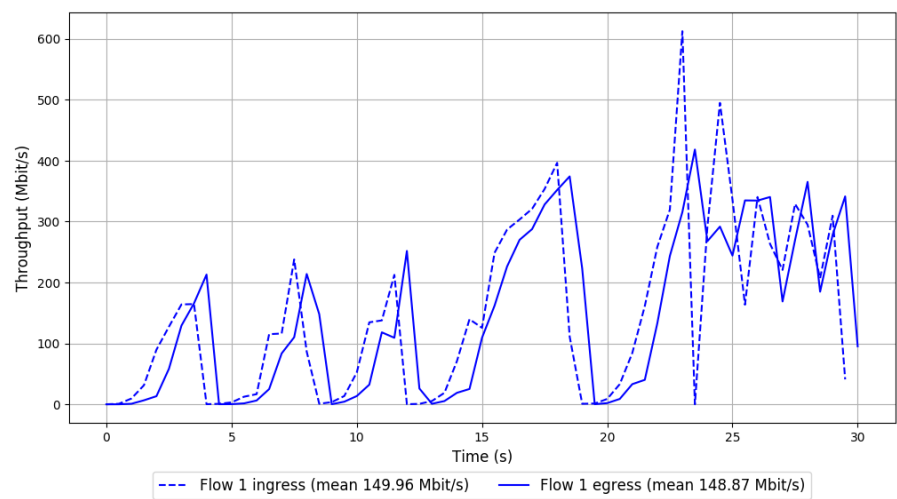


Run 3: Statistics of Verus

Start at: 2018-05-24 22:58:42
End at: 2018-05-24 22:59:12
Local clock offset: -0.03 ms
Remote clock offset: -0.609 ms

Below is generated by plot.py at 2018-05-25 02:48:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 148.87 Mbit/s
95th percentile per-packet one-way delay: 261.010 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 148.87 Mbit/s
95th percentile per-packet one-way delay: 261.010 ms
Loss rate: 0.69%

Run 3: Report of Verus — Data Link

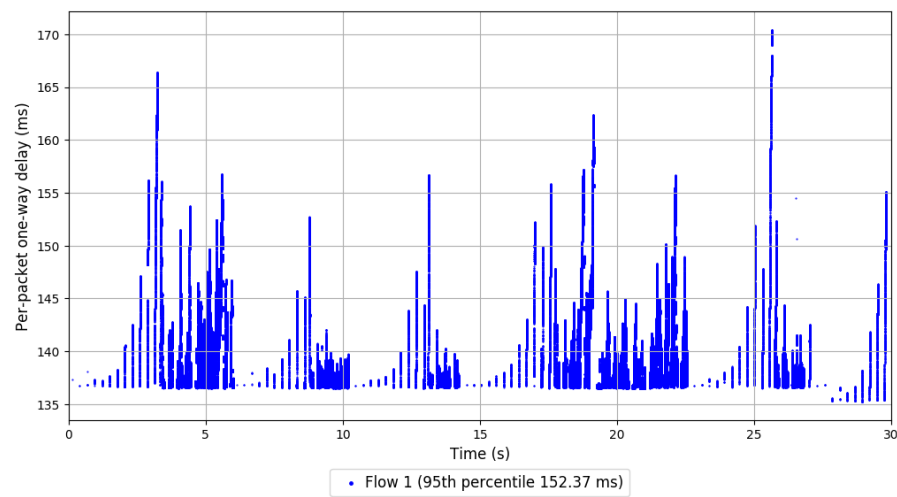
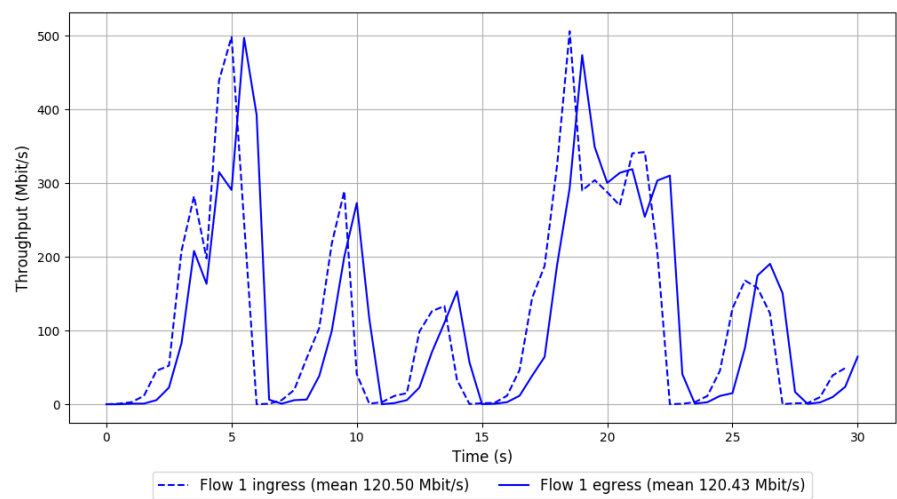


Run 4: Statistics of Verus

Start at: 2018-05-24 23:19:58
End at: 2018-05-24 23:20:28
Local clock offset: -0.075 ms
Remote clock offset: -0.278 ms

Below is generated by plot.py at 2018-05-25 02:48:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 120.43 Mbit/s
95th percentile per-packet one-way delay: 152.373 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 120.43 Mbit/s
95th percentile per-packet one-way delay: 152.373 ms
Loss rate: 0.00%

Run 4: Report of Verus — Data Link

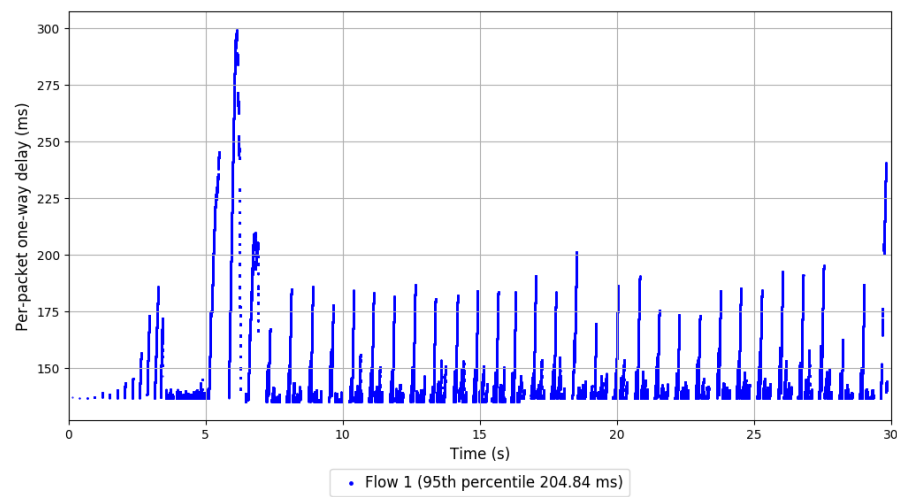
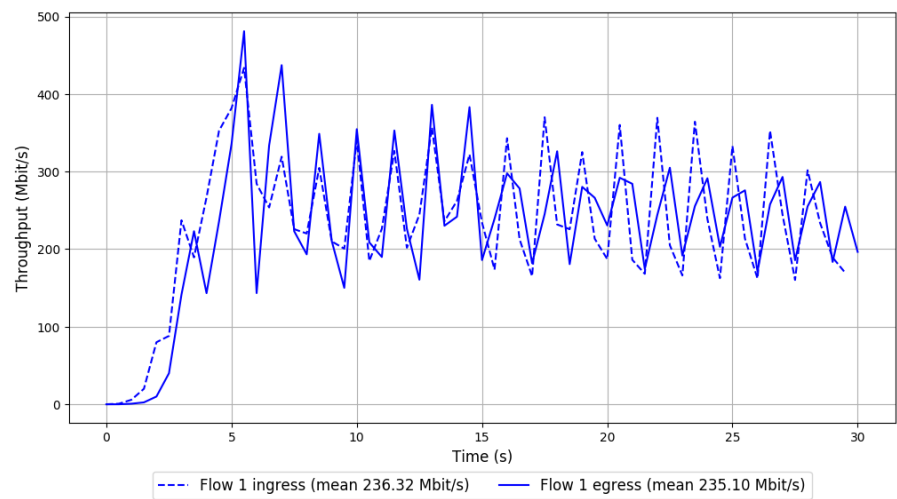


Run 5: Statistics of Verus

Start at: 2018-05-24 23:41:29
End at: 2018-05-24 23:41:59
Local clock offset: -0.033 ms
Remote clock offset: -0.164 ms

Below is generated by plot.py at 2018-05-25 02:48:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 235.10 Mbit/s
95th percentile per-packet one-way delay: 204.837 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 235.10 Mbit/s
95th percentile per-packet one-way delay: 204.837 ms
Loss rate: 0.51%

Run 5: Report of Verus — Data Link

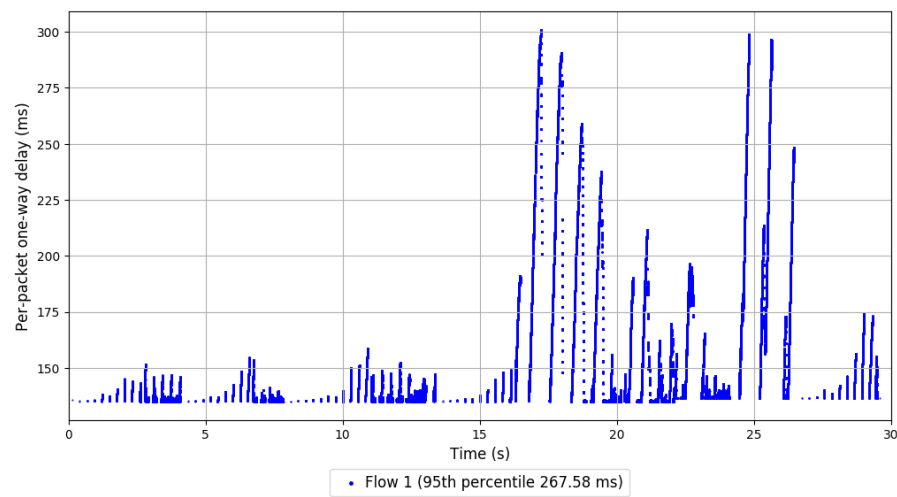
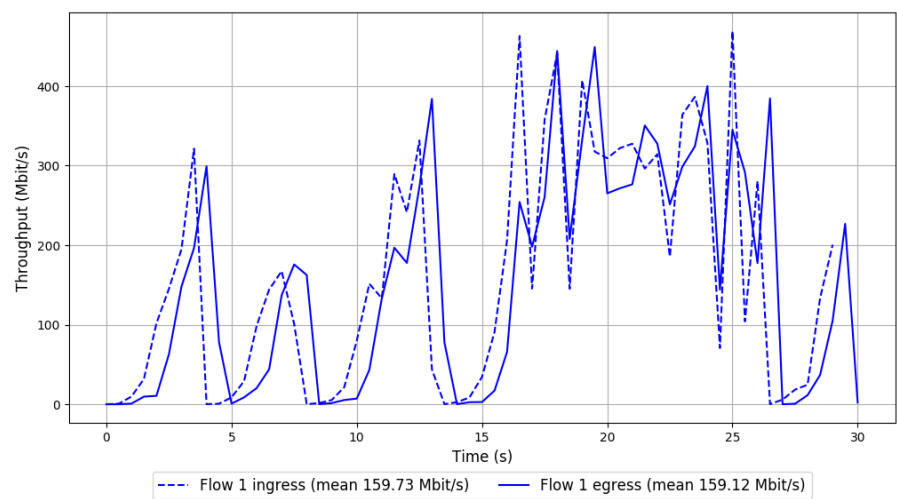


Run 6: Statistics of Verus

Start at: 2018-05-25 00:03:13
End at: 2018-05-25 00:03:43
Local clock offset: 0.208 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-05-25 02:48:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 159.12 Mbit/s
95th percentile per-packet one-way delay: 267.581 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 159.12 Mbit/s
95th percentile per-packet one-way delay: 267.581 ms
Loss rate: 0.38%

Run 6: Report of Verus — Data Link

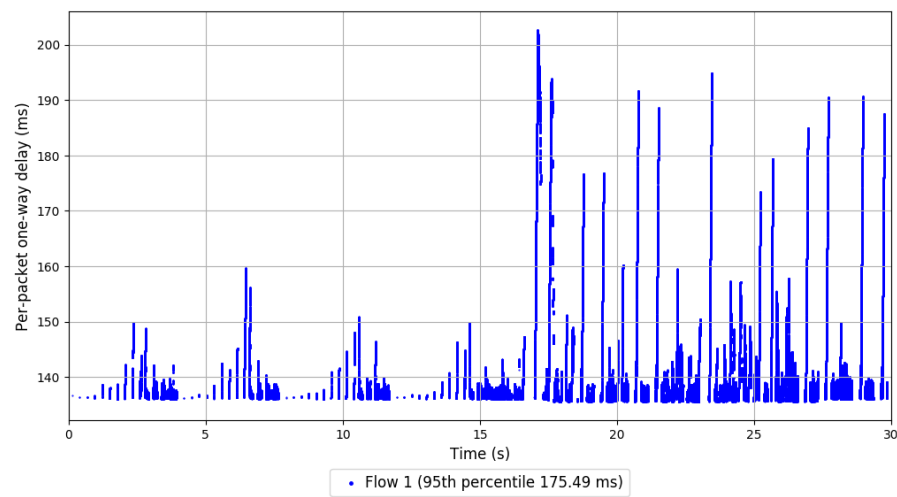
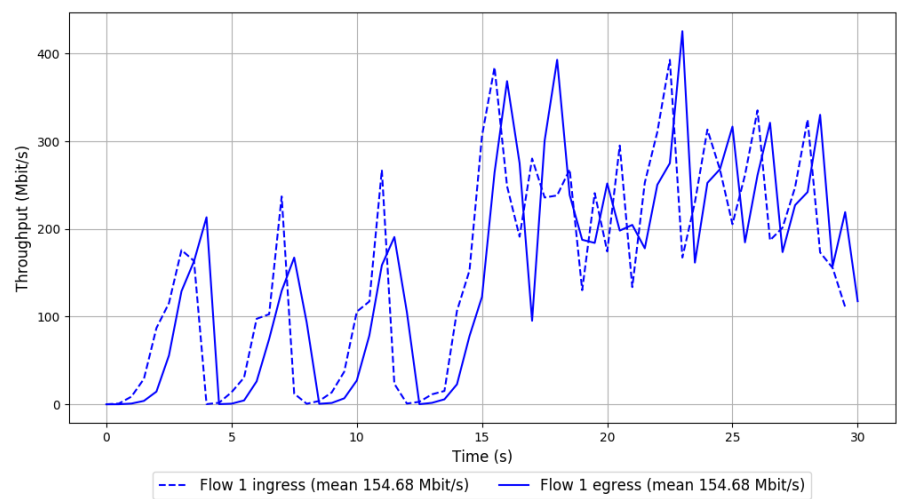


Run 7: Statistics of Verus

Start at: 2018-05-25 00:24:38
End at: 2018-05-25 00:25:08
Local clock offset: -0.137 ms
Remote clock offset: -0.517 ms

Below is generated by plot.py at 2018-05-25 02:48:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 154.68 Mbit/s
95th percentile per-packet one-way delay: 175.486 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 154.68 Mbit/s
95th percentile per-packet one-way delay: 175.486 ms
Loss rate: 0.00%

Run 7: Report of Verus — Data Link

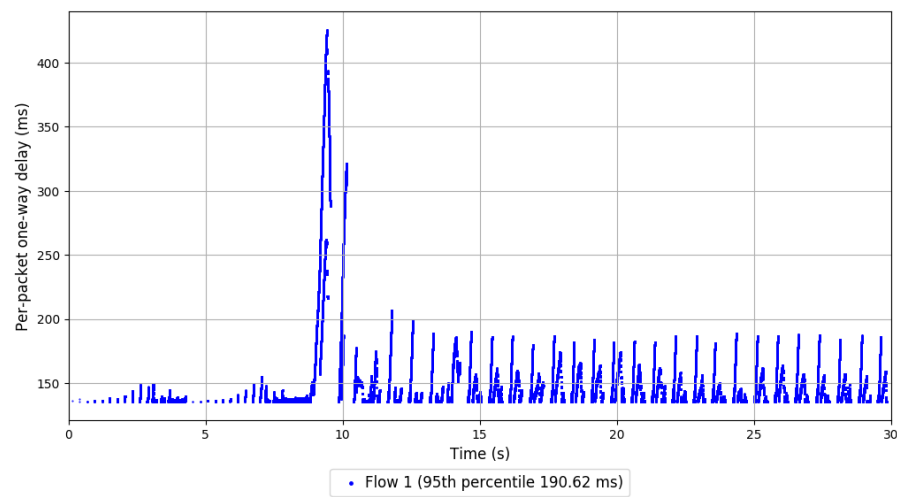
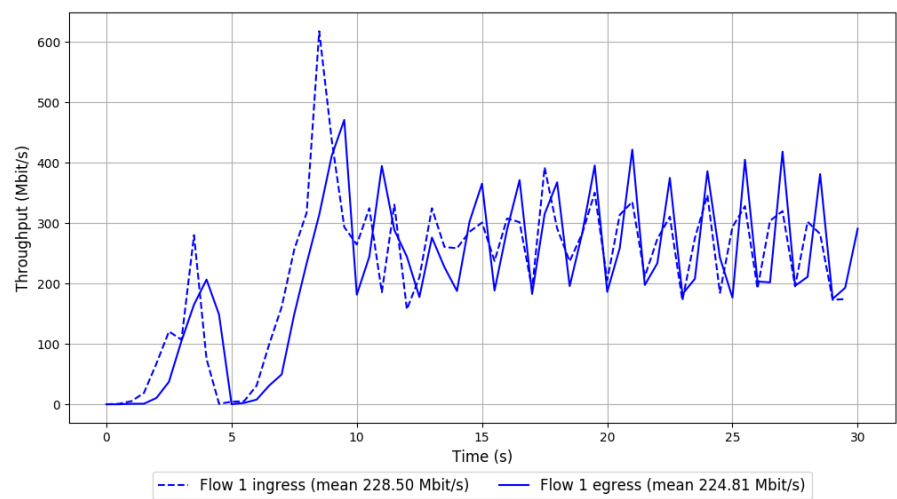


Run 8: Statistics of Verus

Start at: 2018-05-25 00:46:08
End at: 2018-05-25 00:46:38
Local clock offset: 0.208 ms
Remote clock offset: -0.231 ms

Below is generated by plot.py at 2018-05-25 02:49:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 224.81 Mbit/s
95th percentile per-packet one-way delay: 190.617 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 224.81 Mbit/s
95th percentile per-packet one-way delay: 190.617 ms
Loss rate: 1.62%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-05-25 01:09:22

End at: 2018-05-25 01:09:52

Local clock offset: -0.052 ms

Remote clock offset: -0.18 ms

Below is generated by plot.py at 2018-05-25 02:49:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.61 Mbit/s

95th percentile per-packet one-way delay: 158.529 ms

Loss rate: 0.00%

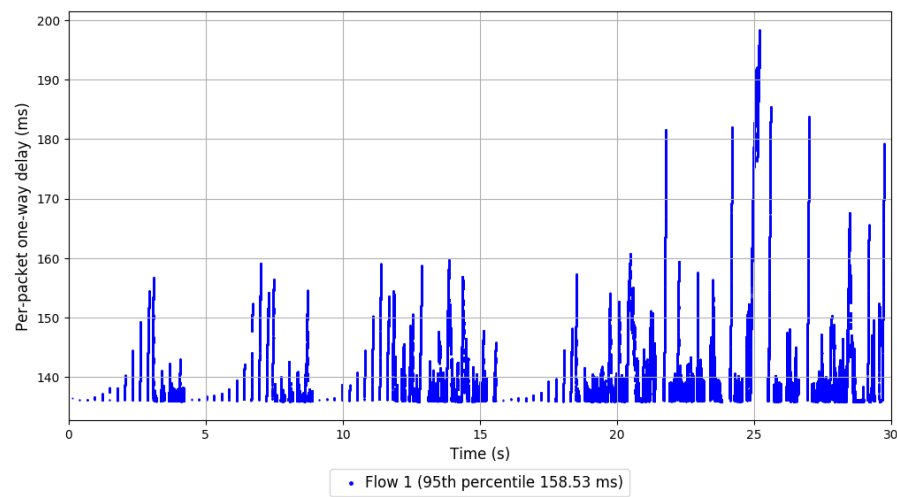
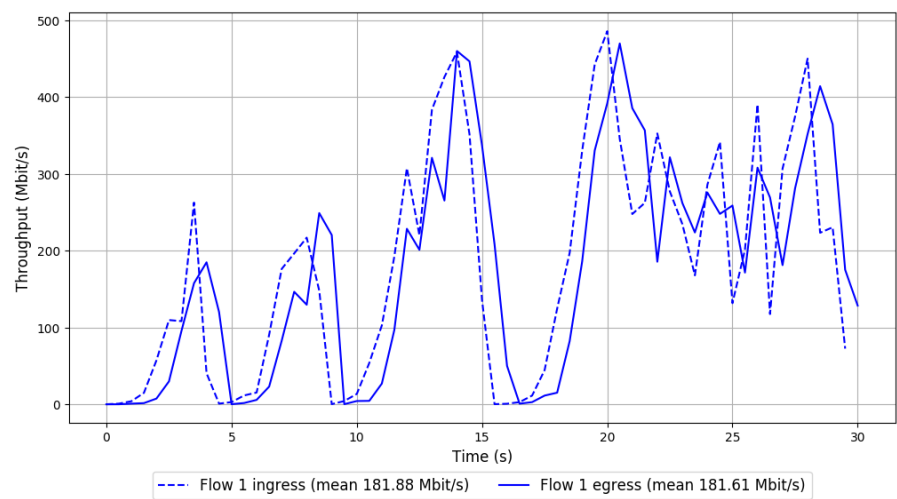
-- Flow 1:

Average throughput: 181.61 Mbit/s

95th percentile per-packet one-way delay: 158.529 ms

Loss rate: 0.00%

Run 9: Report of Verus — Data Link

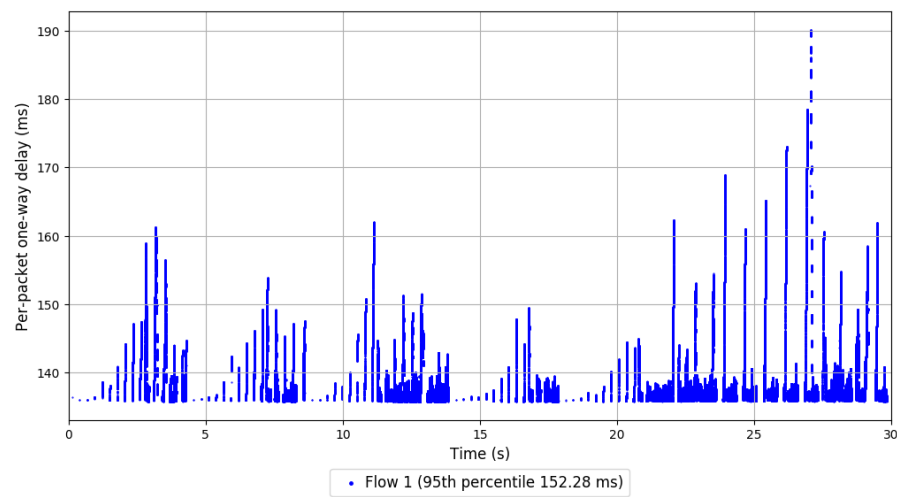
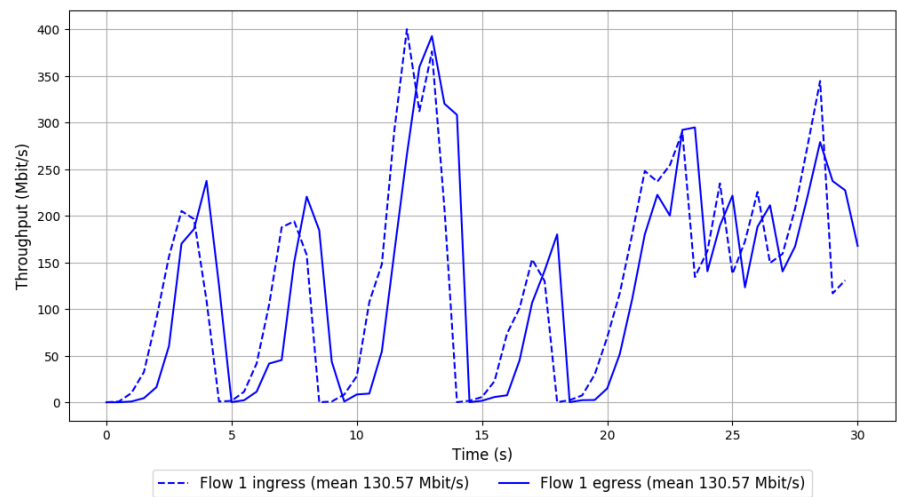


Run 10: Statistics of Verus

Start at: 2018-05-25 01:31:06
End at: 2018-05-25 01:31:36
Local clock offset: 0.033 ms
Remote clock offset: -0.144 ms

Below is generated by plot.py at 2018-05-25 02:49:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 130.57 Mbit/s
95th percentile per-packet one-way delay: 152.279 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 130.57 Mbit/s
95th percentile per-packet one-way delay: 152.279 ms
Loss rate: 0.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-05-24 21:58:44

End at: 2018-05-24 21:59:14

Local clock offset: 0.162 ms

Remote clock offset: -0.23 ms

Below is generated by plot.py at 2018-05-25 02:52:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 340.78 Mbit/s

95th percentile per-packet one-way delay: 138.036 ms

Loss rate: 0.00%

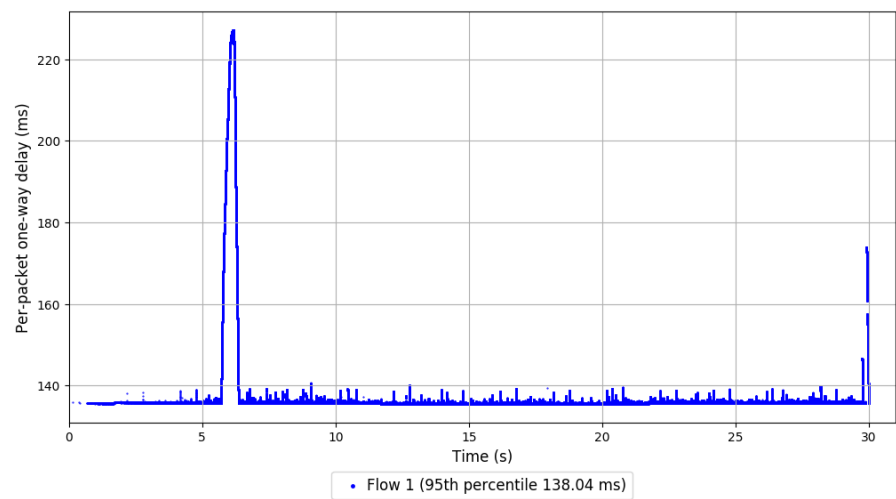
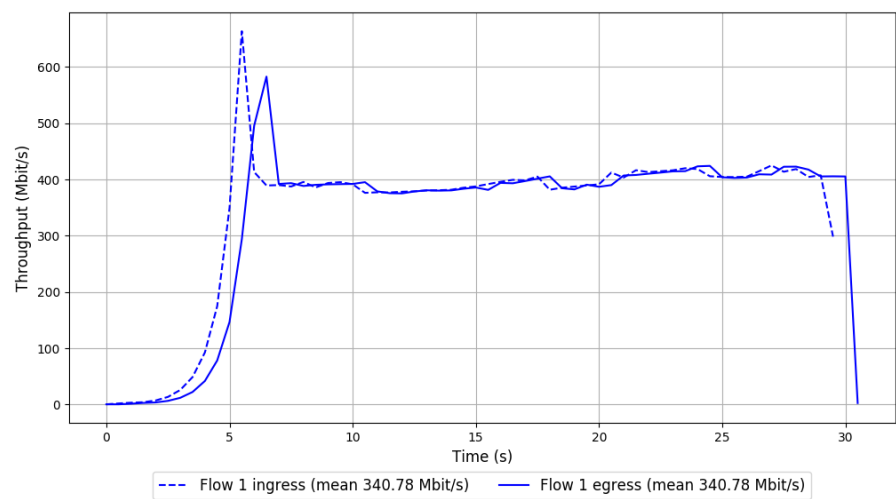
-- Flow 1:

Average throughput: 340.78 Mbit/s

95th percentile per-packet one-way delay: 138.036 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-05-24 22:20:38

End at: 2018-05-24 22:21:08

Local clock offset: -0.14 ms

Remote clock offset: -0.196 ms

Below is generated by plot.py at 2018-05-25 02:53:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 345.84 Mbit/s

95th percentile per-packet one-way delay: 136.094 ms

Loss rate: 0.00%

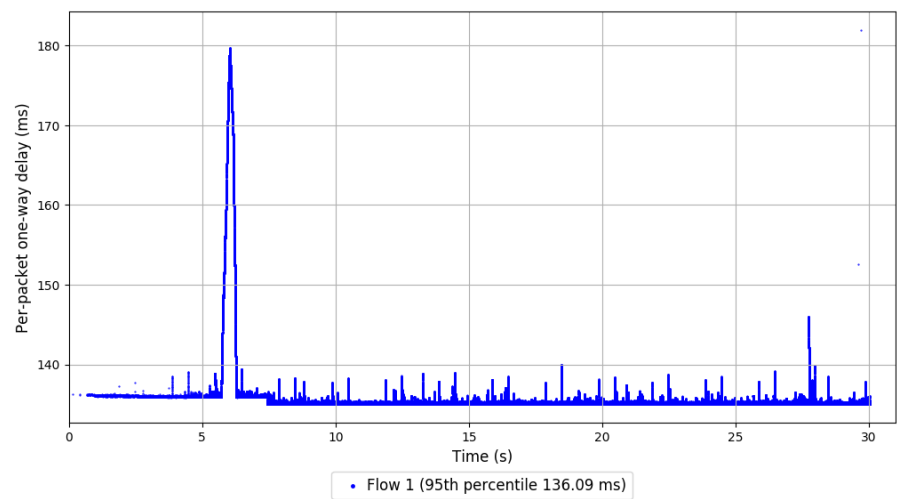
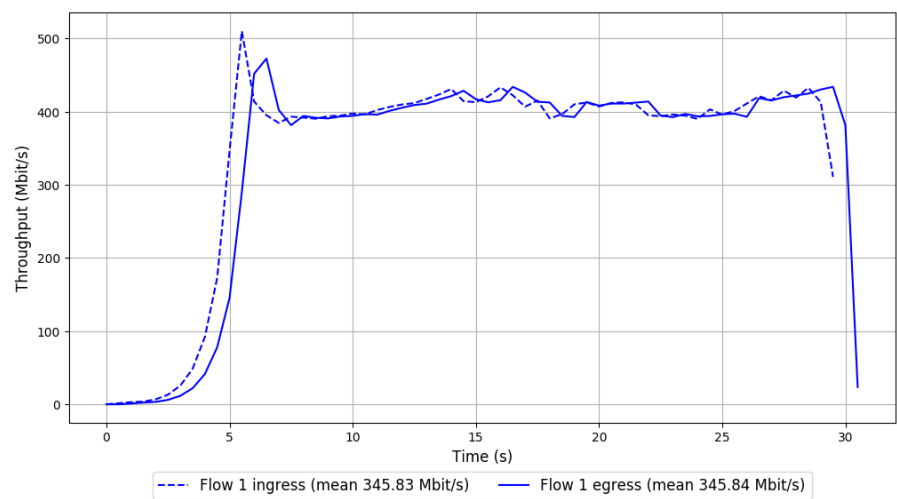
-- Flow 1:

Average throughput: 345.84 Mbit/s

95th percentile per-packet one-way delay: 136.094 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-05-24 22:41:34

End at: 2018-05-24 22:42:04

Local clock offset: -0.052 ms

Remote clock offset: -0.171 ms

Below is generated by plot.py at 2018-05-25 02:54:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 337.40 Mbit/s

95th percentile per-packet one-way delay: 136.489 ms

Loss rate: 0.00%

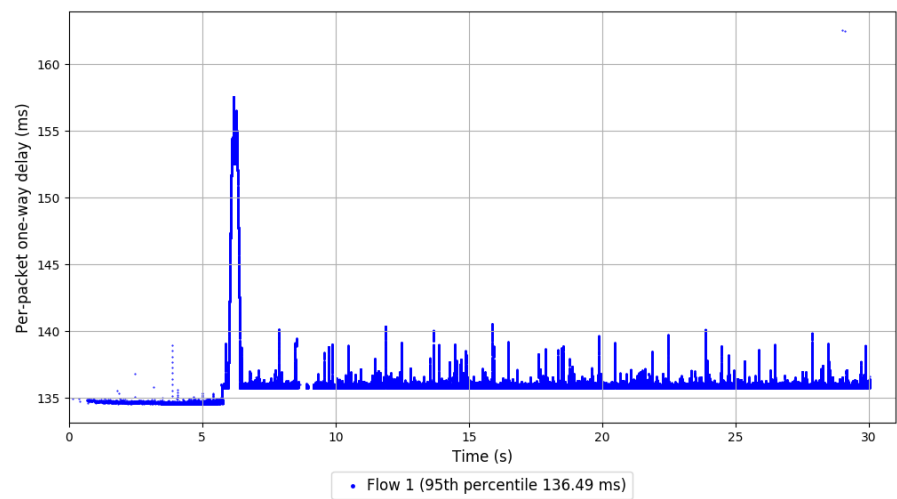
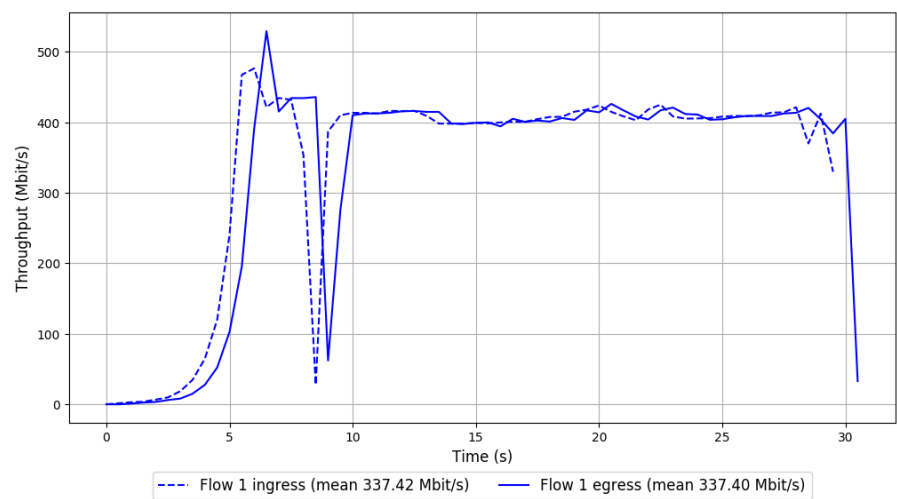
-- Flow 1:

Average throughput: 337.40 Mbit/s

95th percentile per-packet one-way delay: 136.489 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

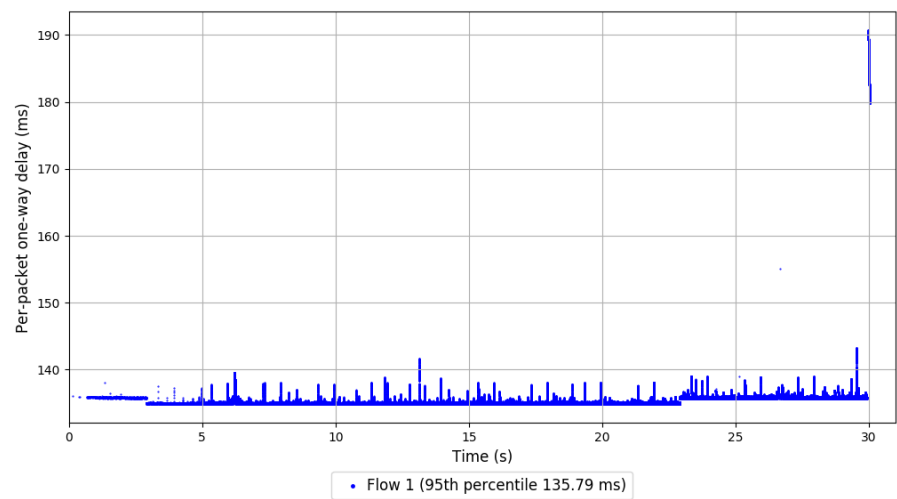
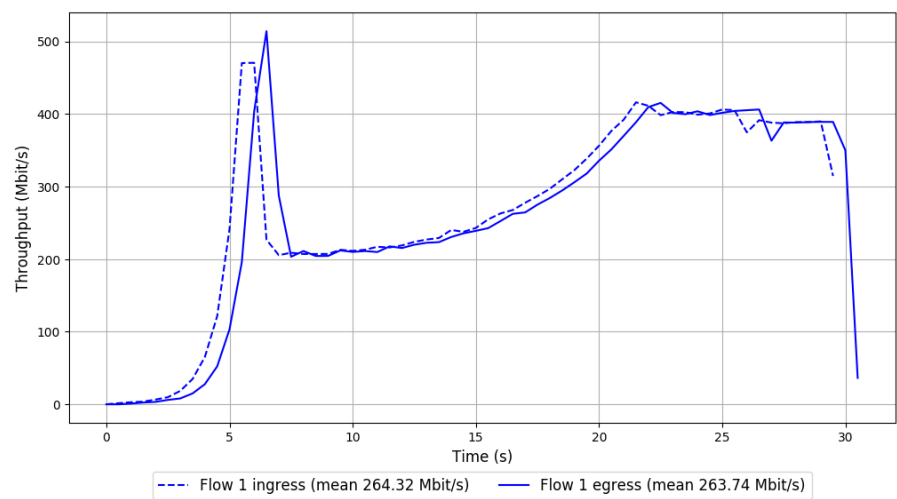


Run 4: Statistics of PCC-Vivace

Start at: 2018-05-24 23:02:43
End at: 2018-05-24 23:03:13
Local clock offset: -0.304 ms
Remote clock offset: -0.683 ms

Below is generated by plot.py at 2018-05-25 02:54:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 263.74 Mbit/s
95th percentile per-packet one-way delay: 135.788 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 263.74 Mbit/s
95th percentile per-packet one-way delay: 135.788 ms
Loss rate: 0.22%

Run 4: Report of PCC-Vivace — Data Link

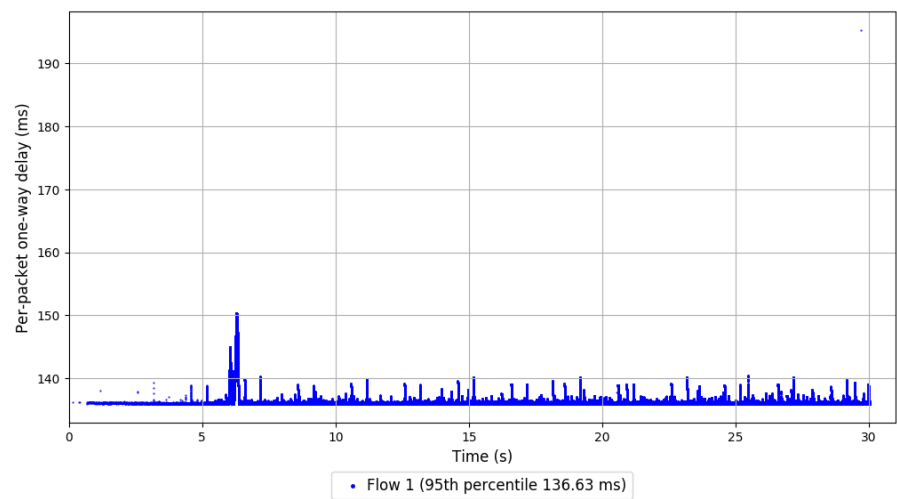
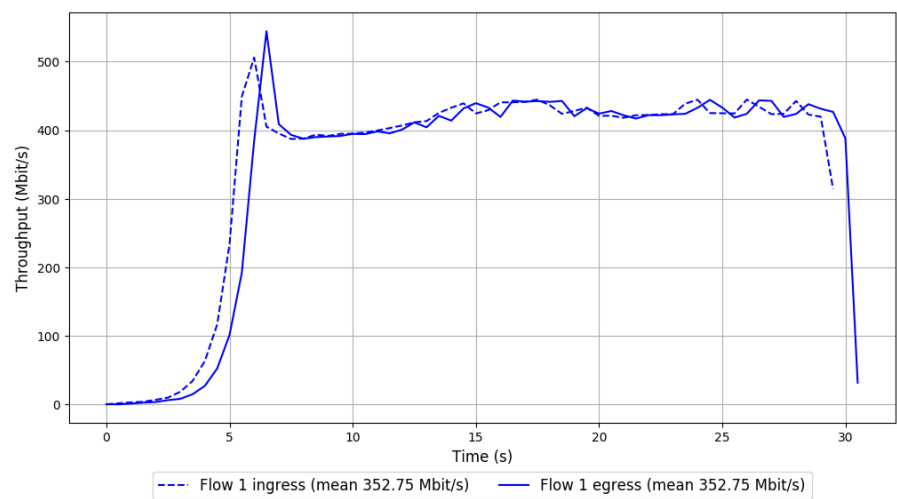


Run 5: Statistics of PCC-Vivace

Start at: 2018-05-24 23:23:58
End at: 2018-05-24 23:24:28
Local clock offset: -0.013 ms
Remote clock offset: -0.286 ms

Below is generated by plot.py at 2018-05-25 02:54:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 352.75 Mbit/s
95th percentile per-packet one-way delay: 136.633 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 352.75 Mbit/s
95th percentile per-packet one-way delay: 136.633 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

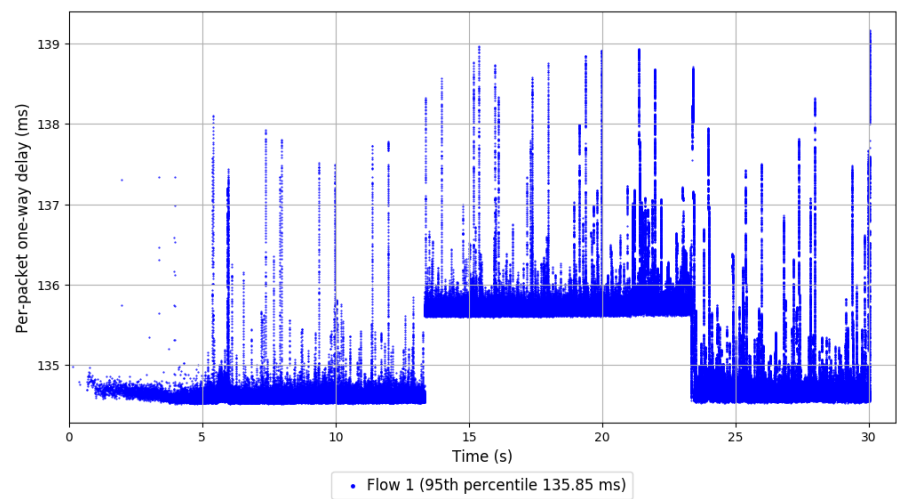
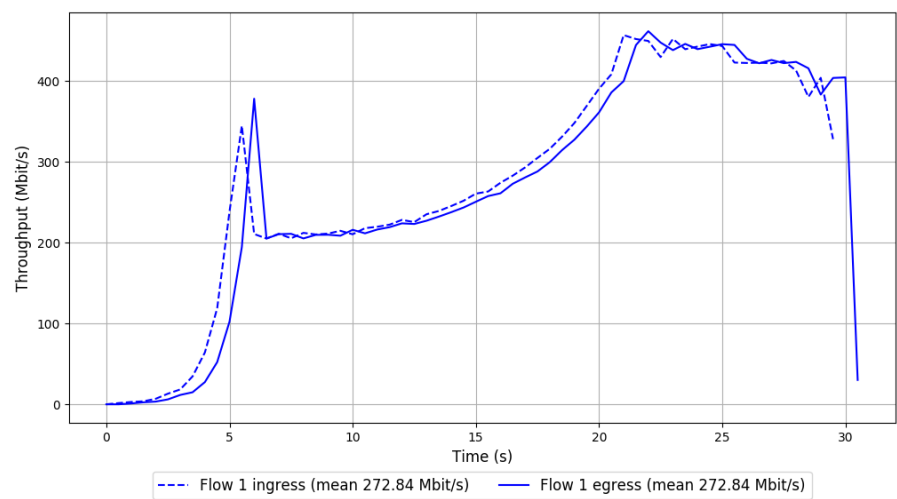


Run 6: Statistics of PCC-Vivace

Start at: 2018-05-24 23:45:37
End at: 2018-05-24 23:46:07
Local clock offset: 0.159 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-05-25 02:54:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 272.84 Mbit/s
95th percentile per-packet one-way delay: 135.847 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 272.84 Mbit/s
95th percentile per-packet one-way delay: 135.847 ms
Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-05-25 00:07:14

End at: 2018-05-25 00:07:44

Local clock offset: 0.344 ms

Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-05-25 02:54:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 298.82 Mbit/s

95th percentile per-packet one-way delay: 136.620 ms

Loss rate: 0.00%

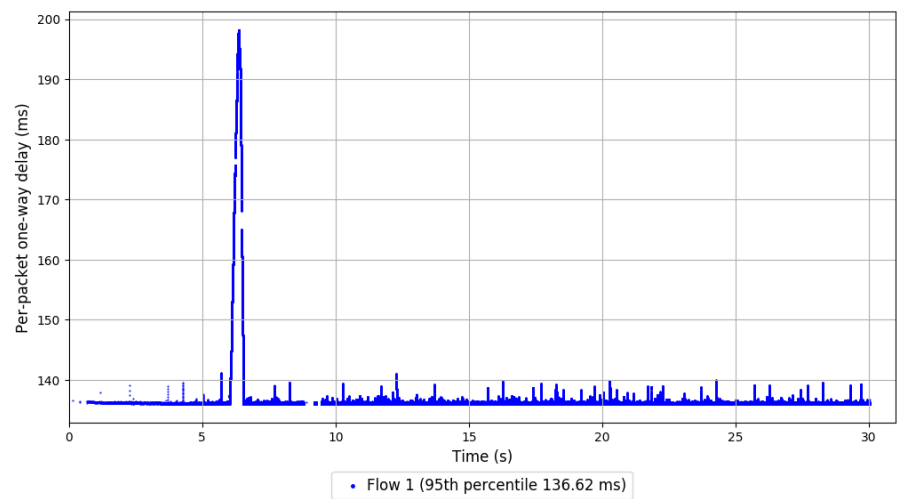
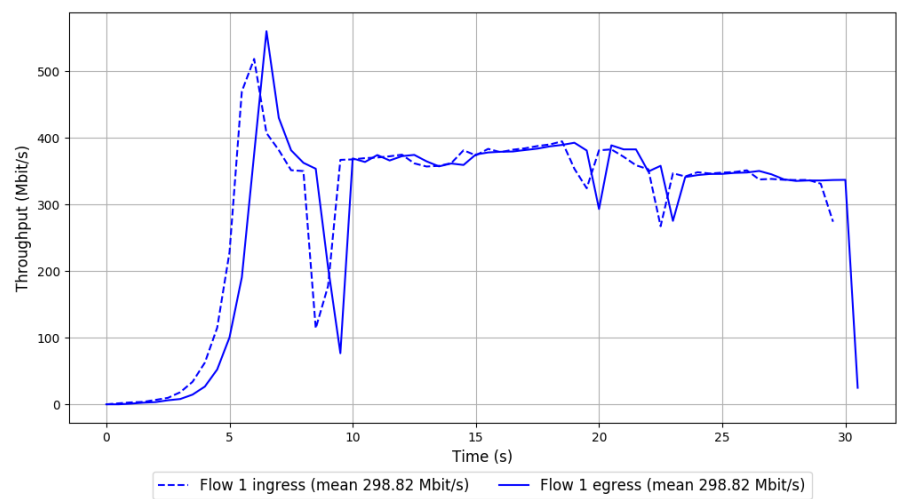
-- Flow 1:

Average throughput: 298.82 Mbit/s

95th percentile per-packet one-way delay: 136.620 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-05-25 00:28:39

End at: 2018-05-25 00:29:09

Local clock offset: 0.2 ms

Remote clock offset: -0.503 ms

Below is generated by plot.py at 2018-05-25 02:54:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 321.34 Mbit/s

95th percentile per-packet one-way delay: 136.412 ms

Loss rate: 0.00%

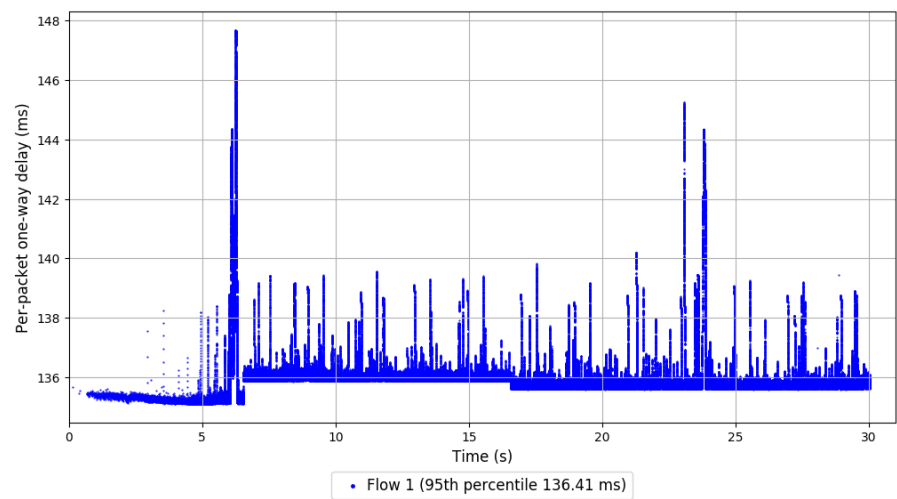
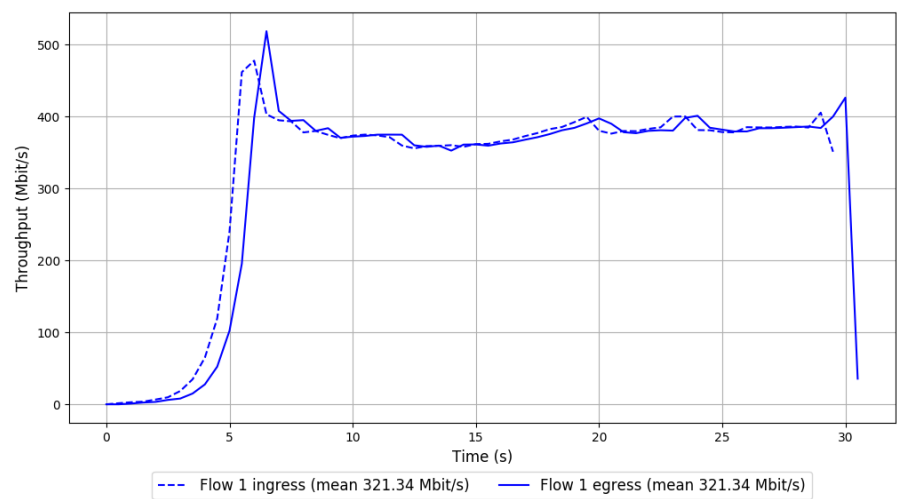
-- Flow 1:

Average throughput: 321.34 Mbit/s

95th percentile per-packet one-way delay: 136.412 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link

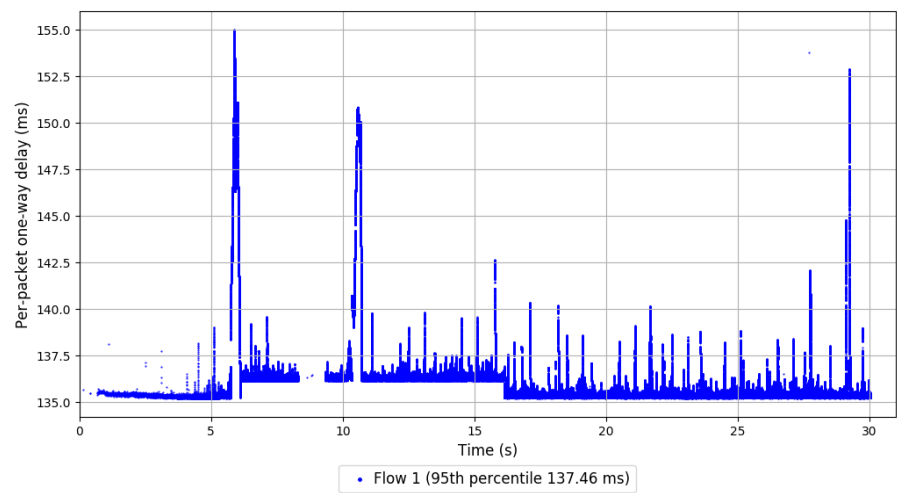
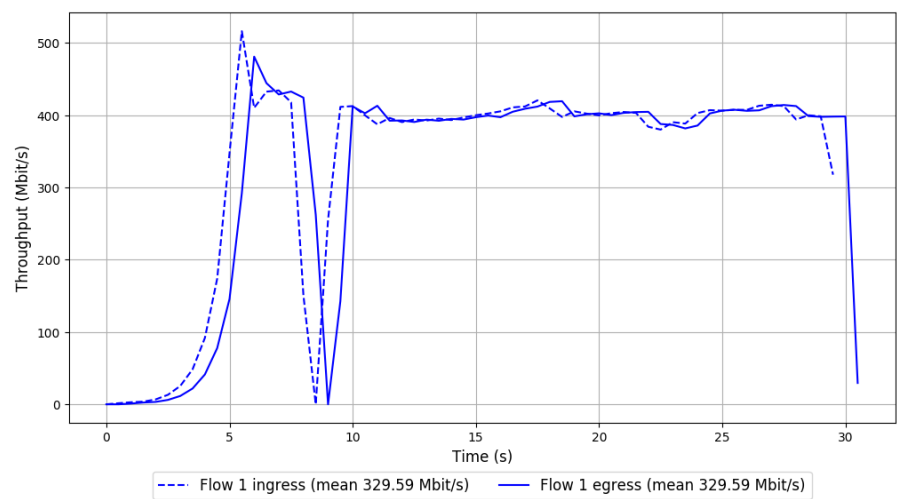


Run 9: Statistics of PCC-Vivace

Start at: 2018-05-25 00:50:40
End at: 2018-05-25 00:51:10
Local clock offset: -0.023 ms
Remote clock offset: -0.164 ms

Below is generated by plot.py at 2018-05-25 02:55:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 329.59 Mbit/s
95th percentile per-packet one-way delay: 137.463 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 329.59 Mbit/s
95th percentile per-packet one-way delay: 137.463 ms
Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link

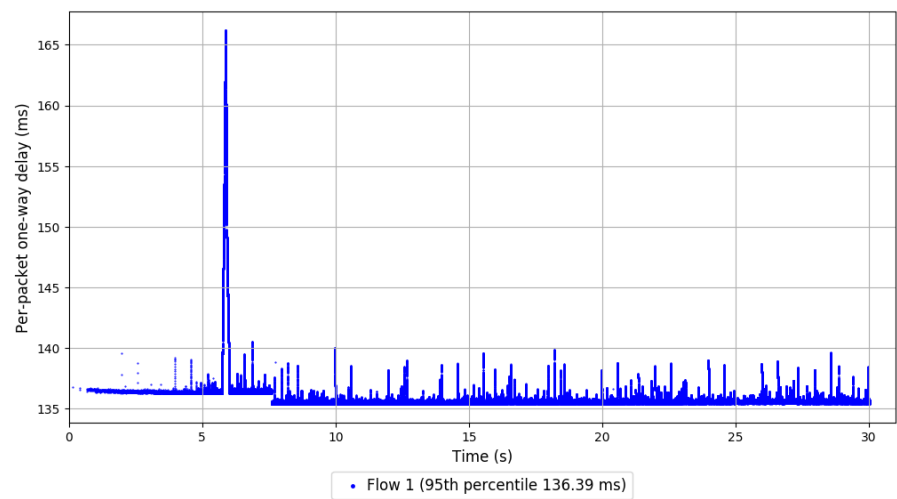
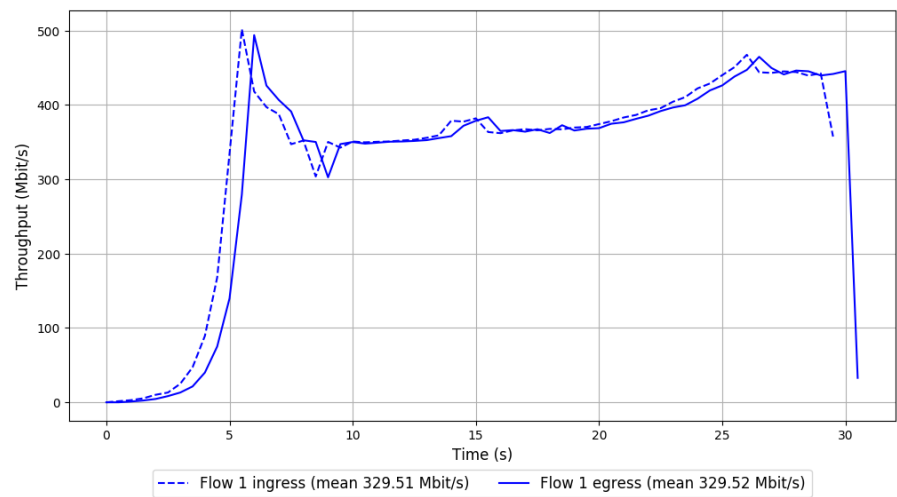


Run 10: Statistics of PCC-Vivace

Start at: 2018-05-25 01:13:28
End at: 2018-05-25 01:13:58
Local clock offset: -0.033 ms
Remote clock offset: -0.576 ms

Below is generated by plot.py at 2018-05-25 02:55:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 329.52 Mbit/s
95th percentile per-packet one-way delay: 136.391 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 329.52 Mbit/s
95th percentile per-packet one-way delay: 136.391 ms
Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

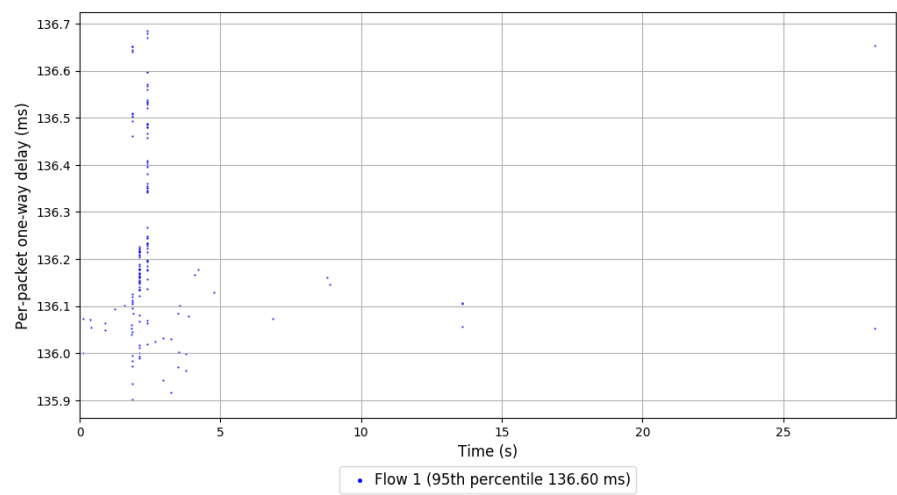
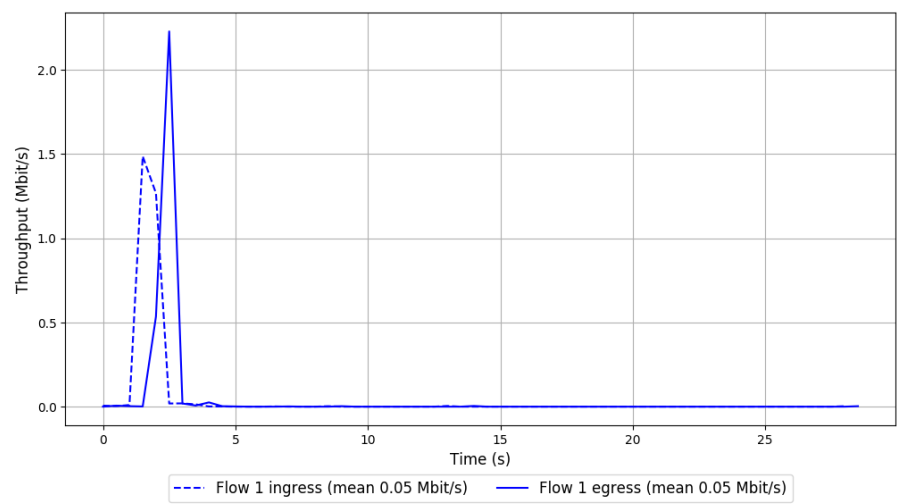


```
Run 1: Statistics of WebRTC media

Start at: 2018-05-24 22:07:51
End at: 2018-05-24 22:08:21
Local clock offset: -0.157 ms
Remote clock offset: -0.263 ms

# Below is generated by plot.py at 2018-05-25 02:55:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.598 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.598 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

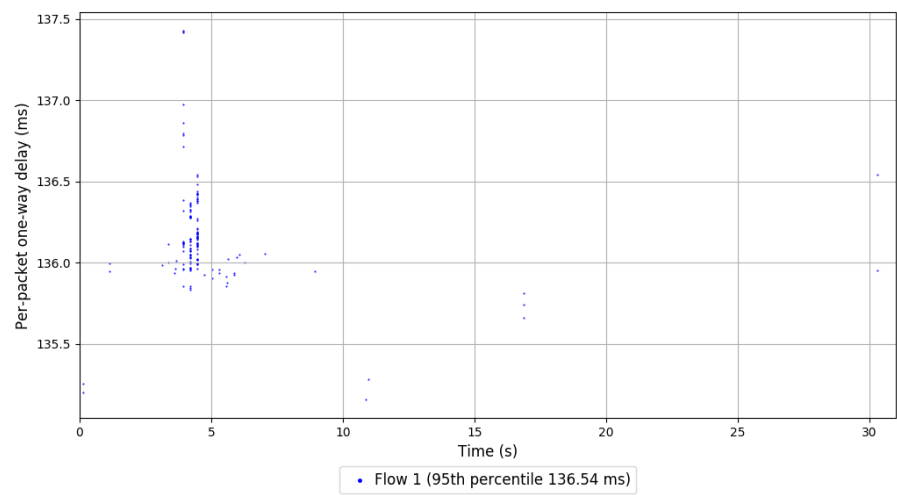
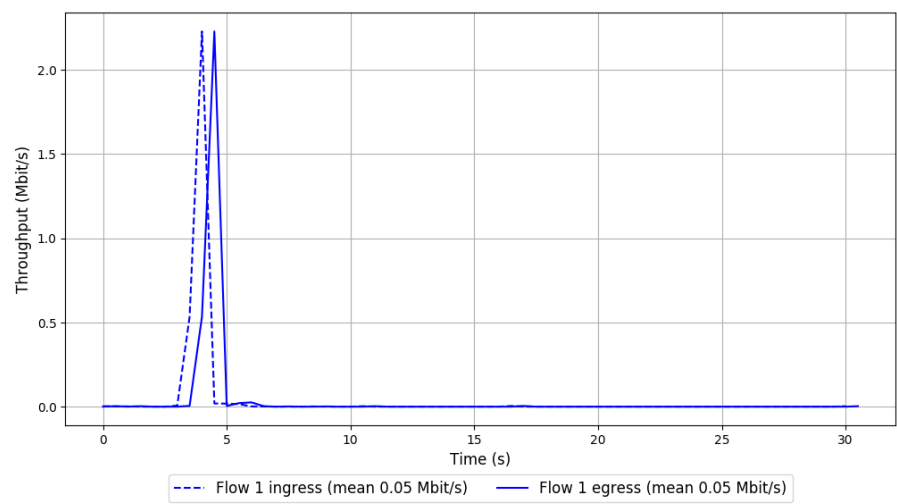


Run 2: Statistics of WebRTC media

Start at: 2018-05-24 22:29:42
End at: 2018-05-24 22:30:12
Local clock offset: -0.168 ms
Remote clock offset: -0.228 ms

Below is generated by plot.py at 2018-05-25 02:55:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.539 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.539 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

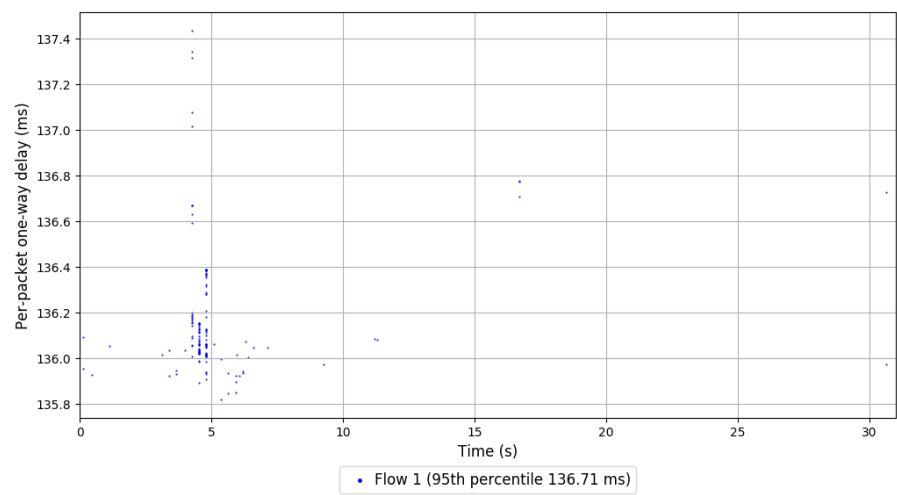
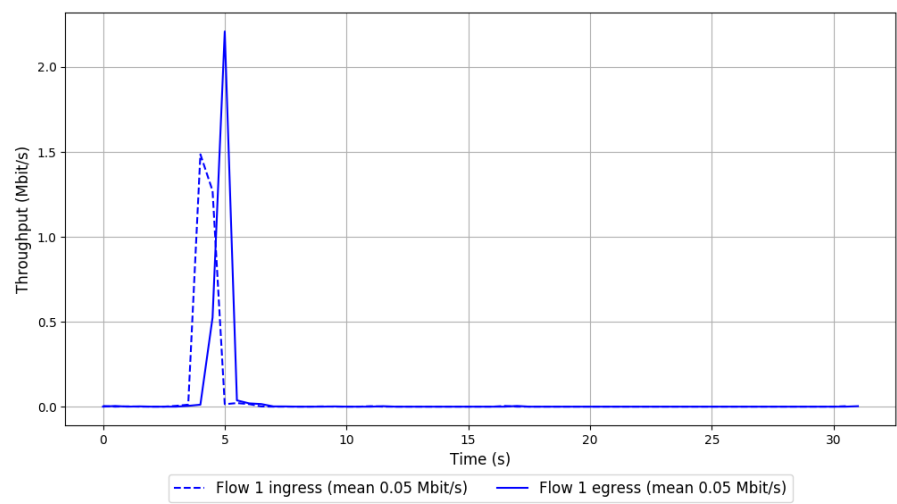


Run 3: Statistics of WebRTC media

Start at: 2018-05-24 22:50:36
End at: 2018-05-24 22:51:06
Local clock offset: -0.102 ms
Remote clock offset: -0.187 ms

Below is generated by plot.py at 2018-05-25 02:55:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.708 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.708 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-05-24 23:11:40

End at: 2018-05-24 23:12:10

Local clock offset: 0.081 ms

Remote clock offset: 0.134 ms

Below is generated by plot.py at 2018-05-25 02:55:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 137.110 ms

Loss rate: 0.00%

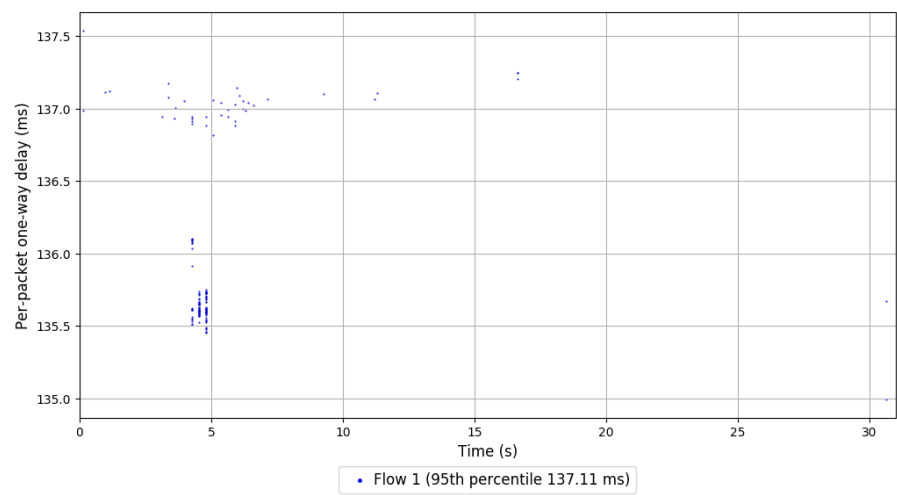
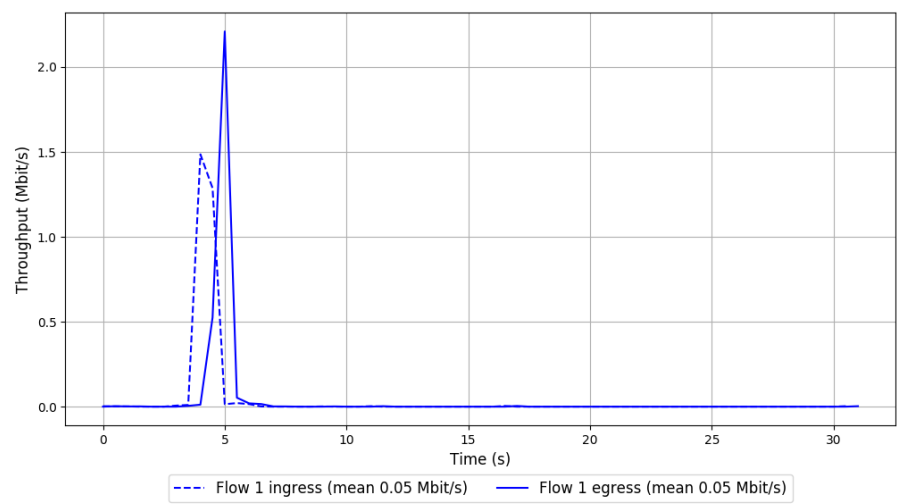
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 137.110 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-05-24 23:33:08

End at: 2018-05-24 23:33:38

Local clock offset: -0.202 ms

Remote clock offset: -0.59 ms

Below is generated by plot.py at 2018-05-25 02:55:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 137.166 ms

Loss rate: 0.00%

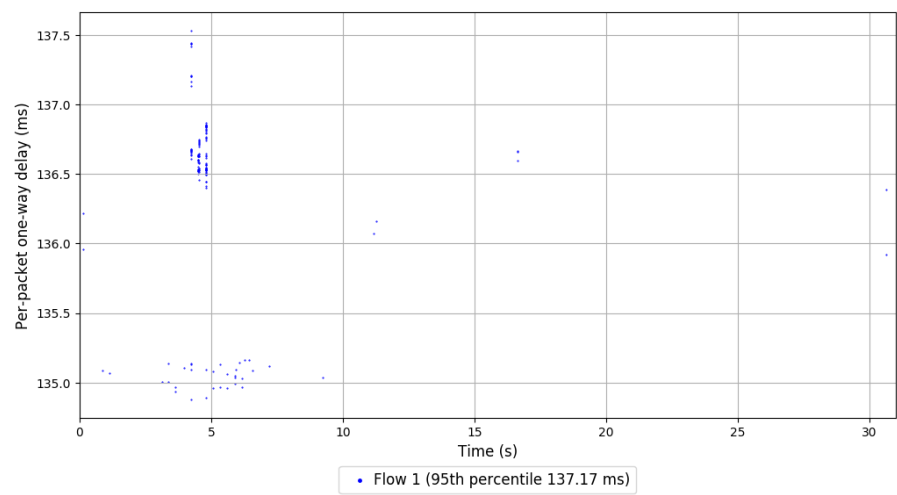
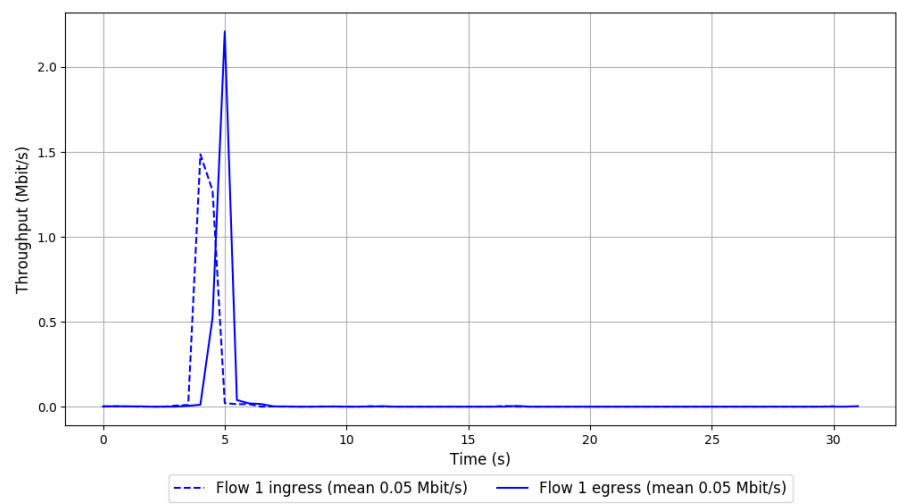
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 137.166 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

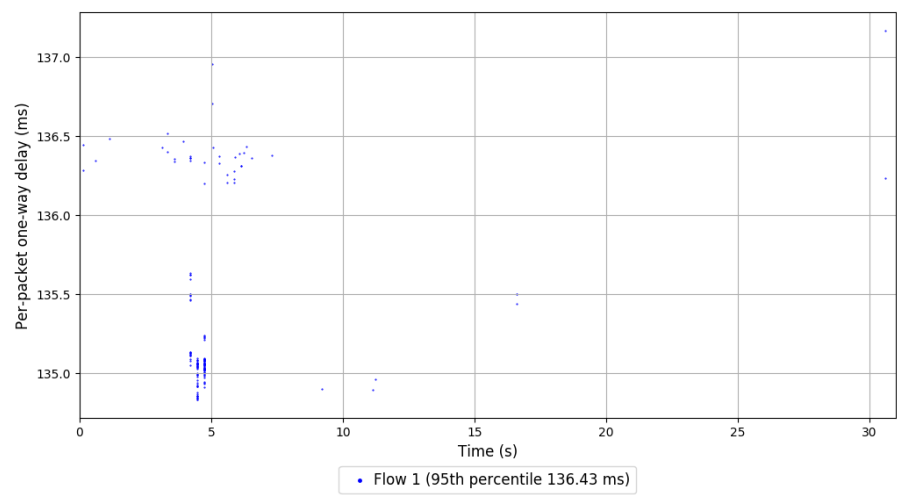
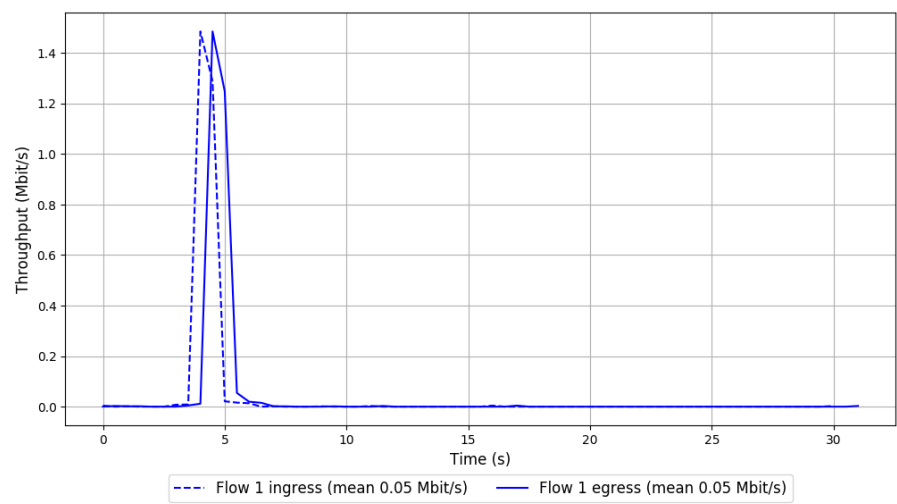


Run 6: Statistics of WebRTC media

Start at: 2018-05-24 23:55:10
End at: 2018-05-24 23:55:40
Local clock offset: 0.024 ms
Remote clock offset: -0.434 ms

Below is generated by plot.py at 2018-05-25 02:55:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.427 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.427 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

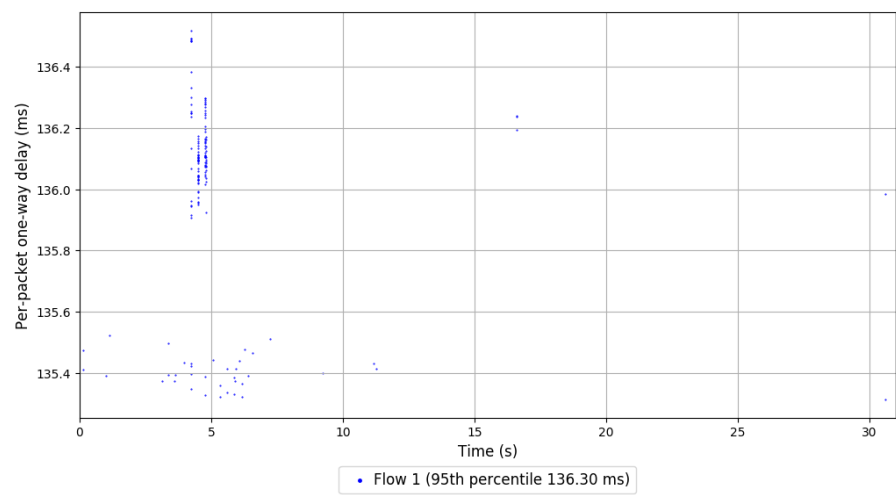
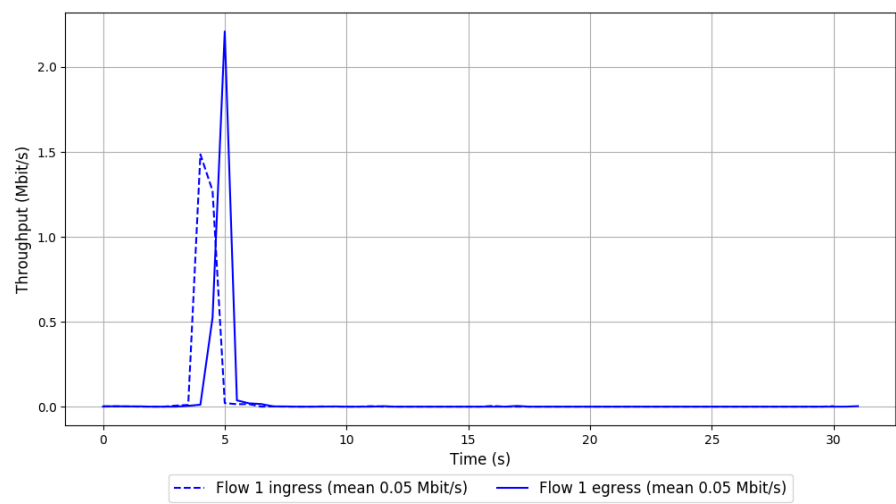


Run 7: Statistics of WebRTC media

Start at: 2018-05-25 00:16:31
End at: 2018-05-25 00:17:01
Local clock offset: 0.012 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-05-25 02:55:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.299 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.299 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-05-25 00:37:41

End at: 2018-05-25 00:38:11

Local clock offset: -0.412 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-05-25 02:55:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 136.882 ms

Loss rate: 0.00%

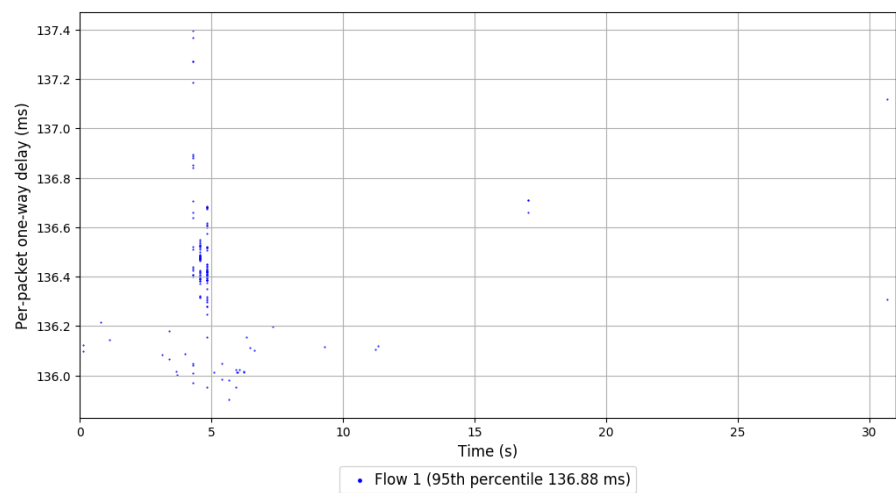
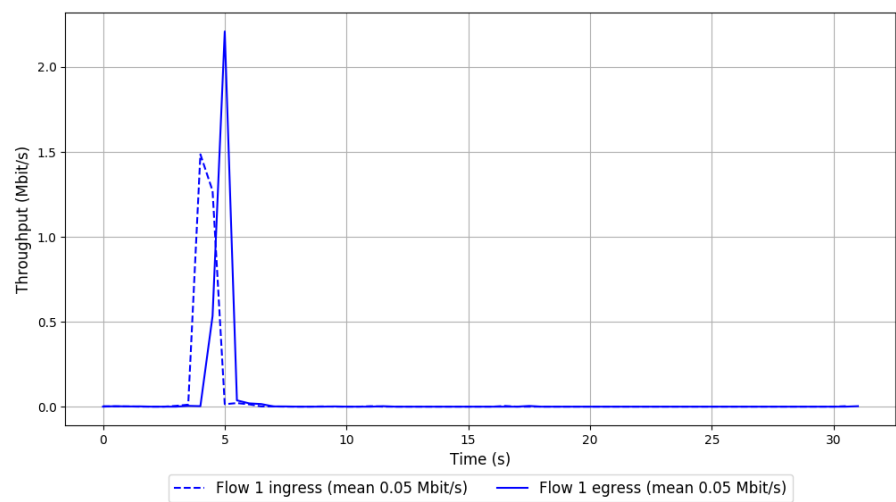
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 136.882 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

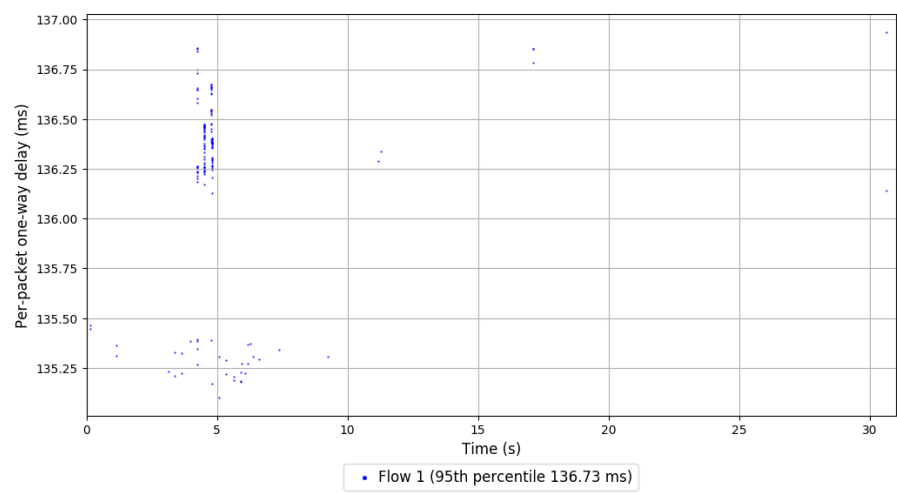
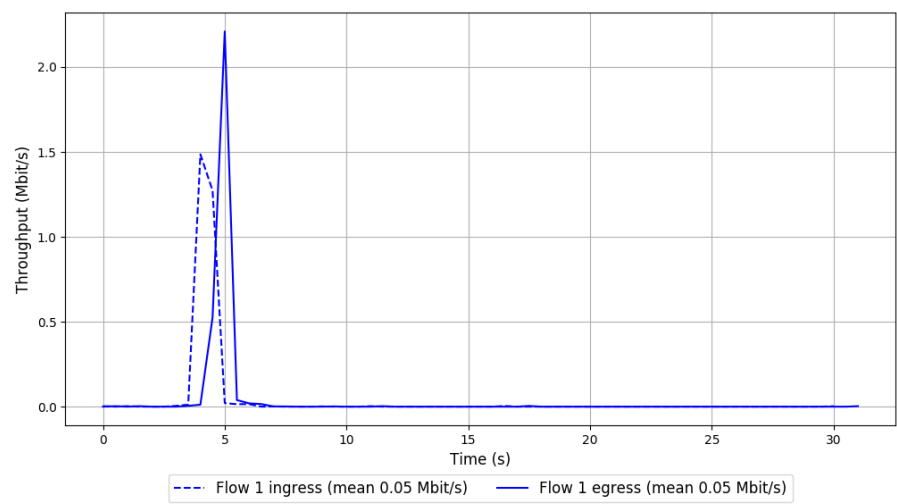


Run 9: Statistics of WebRTC media

Start at: 2018-05-25 01:00:19
End at: 2018-05-25 01:00:49
Local clock offset: -0.29 ms
Remote clock offset: -0.224 ms

Below is generated by plot.py at 2018-05-25 02:55:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.732 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.732 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-25 01:22:54

End at: 2018-05-25 01:23:24

Local clock offset: 0.197 ms

Remote clock offset: -0.175 ms

Below is generated by plot.py at 2018-05-25 02:55:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 136.174 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 136.174 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

