

Pantheon Report

Generated at 2018-07-19 04:18:27 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

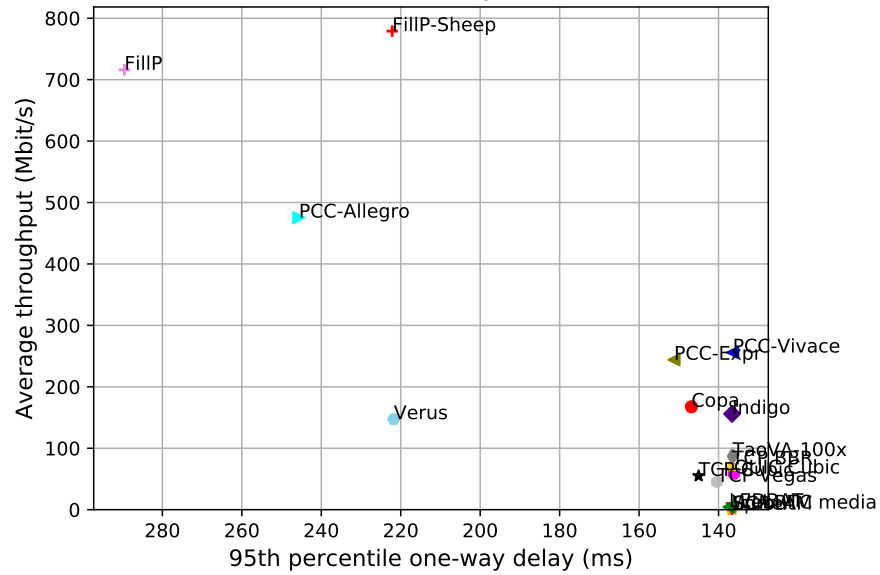
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

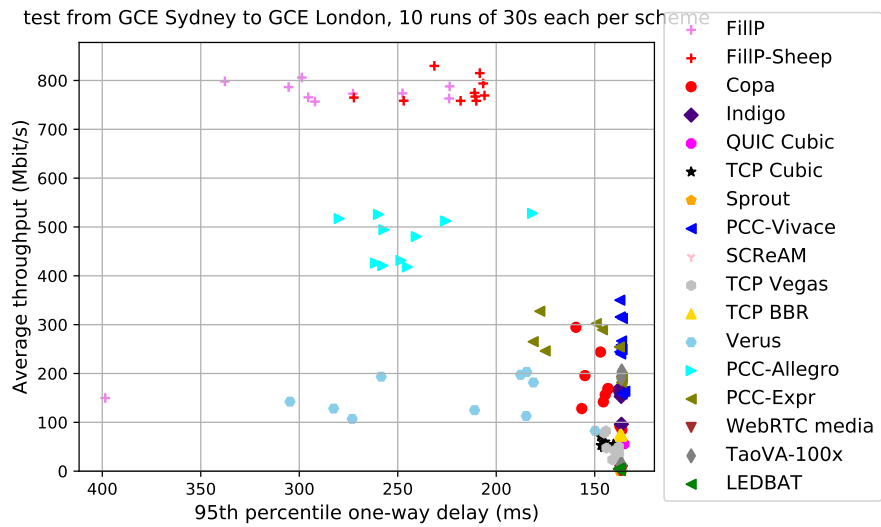
Git summary:

```
branch: master @ f7befc2d8410f41949e0ad8143a9aab40bab7edb
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from GCE Sydney to GCE 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



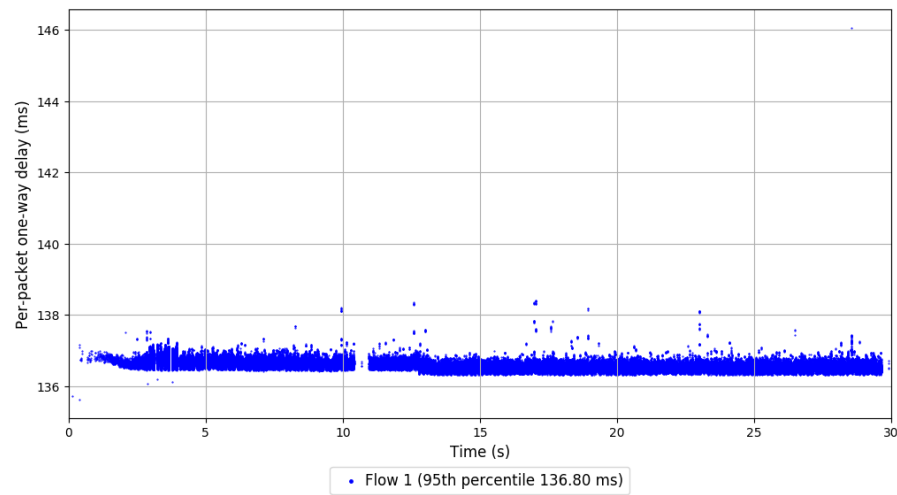
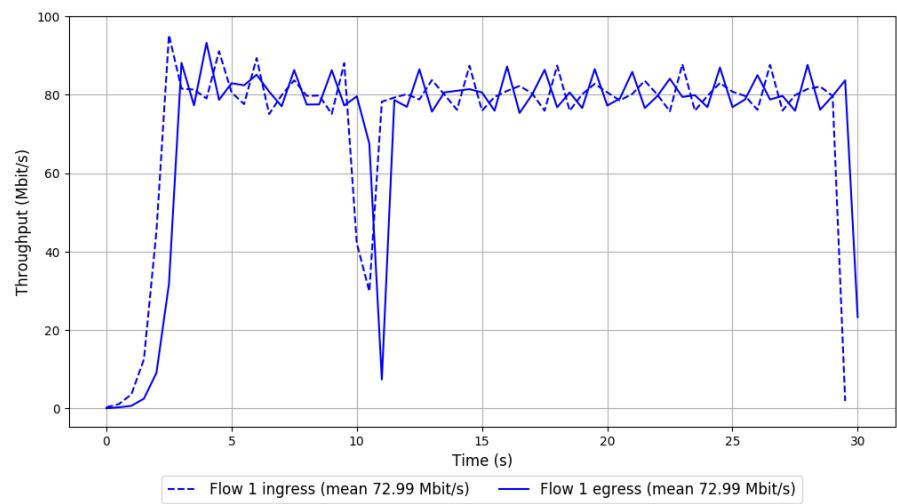
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	73.59	136.62	0.00
Copa	10	167.53	146.83	0.04
TCP Cubic	10	54.94	145.02	0.00
FillP	10	716.04	289.56	2.24
FillP-Sheep	10	778.99	222.14	1.84
Indigo	10	155.89	136.60	0.00
LEDBAT	10	4.38	137.38	0.00
PCC-Allegro	10	475.44	245.65	0.93
PCC-Expr	10	244.02	151.21	0.04
QUIC Cubic	7	58.89	136.14	0.00
SCReAM	10	0.22	136.29	0.00
Sprout	10	0.16	136.63	0.00
TaoVA-100x	10	87.24	136.49	0.00
TCP Vegas	10	45.43	140.41	0.00
Verus	10	147.37	221.75	0.74
PCC-Vivace	10	255.80	136.44	0.00
WebRTC media	10	1.83	136.60	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-18 23:00:53
End at: 2018-07-18 23:01:23
Local clock offset: -0.309 ms
Remote clock offset: -0.193 ms

Below is generated by plot.py at 2018-07-19 02:46:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.99 Mbit/s
95th percentile per-packet one-way delay: 136.802 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 72.99 Mbit/s
95th percentile per-packet one-way delay: 136.802 ms
Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-18 23:23:38

End at: 2018-07-18 23:24:08

Local clock offset: -0.302 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-19 02:46:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.21 Mbit/s

95th percentile per-packet one-way delay: 136.704 ms

Loss rate: 0.00%

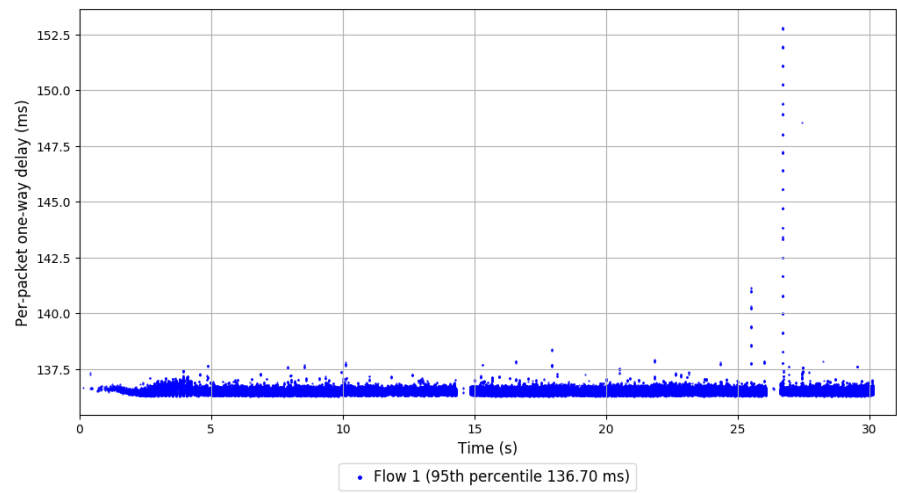
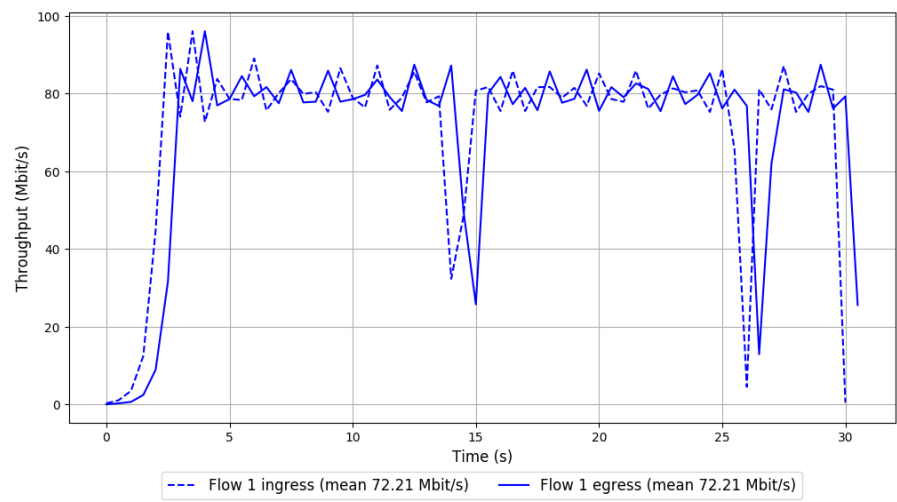
-- Flow 1:

Average throughput: 72.21 Mbit/s

95th percentile per-packet one-way delay: 136.704 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link

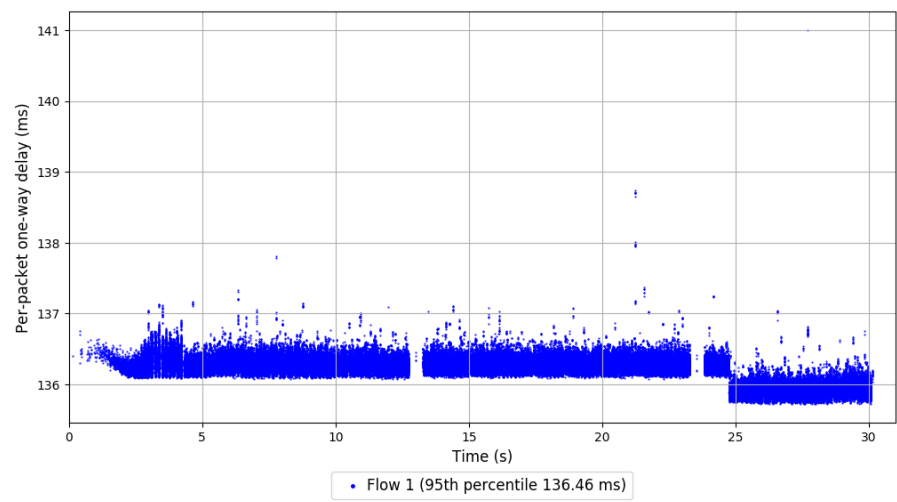
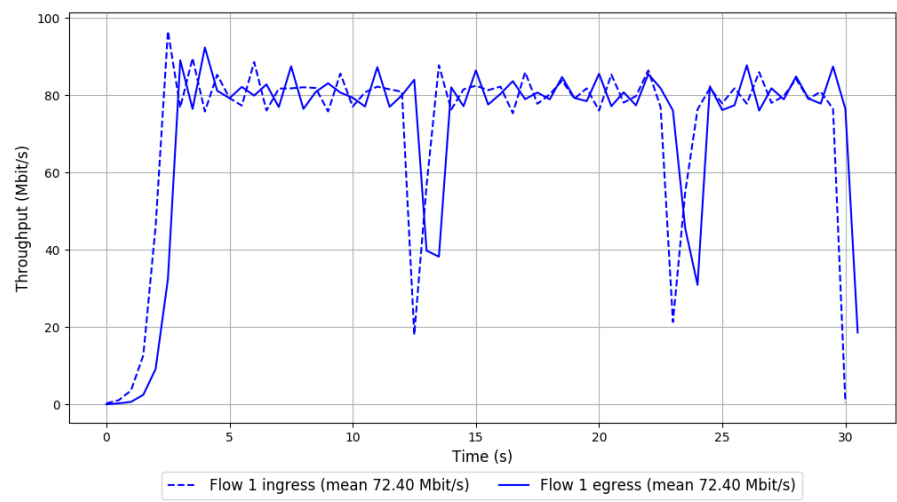


Run 3: Statistics of TCP BBR

Start at: 2018-07-18 23:46:11
End at: 2018-07-18 23:46:41
Local clock offset: -0.162 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-07-19 02:46:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.40 Mbit/s
95th percentile per-packet one-way delay: 136.458 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 72.40 Mbit/s
95th percentile per-packet one-way delay: 136.458 ms
Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link

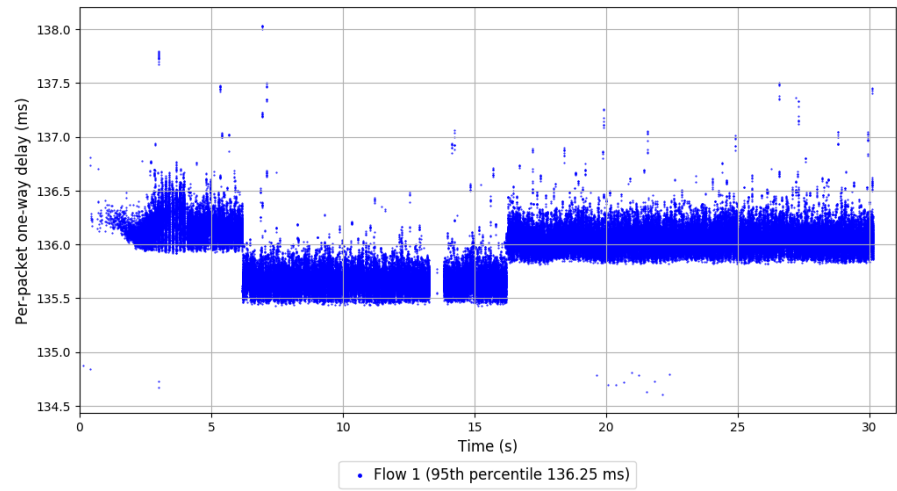
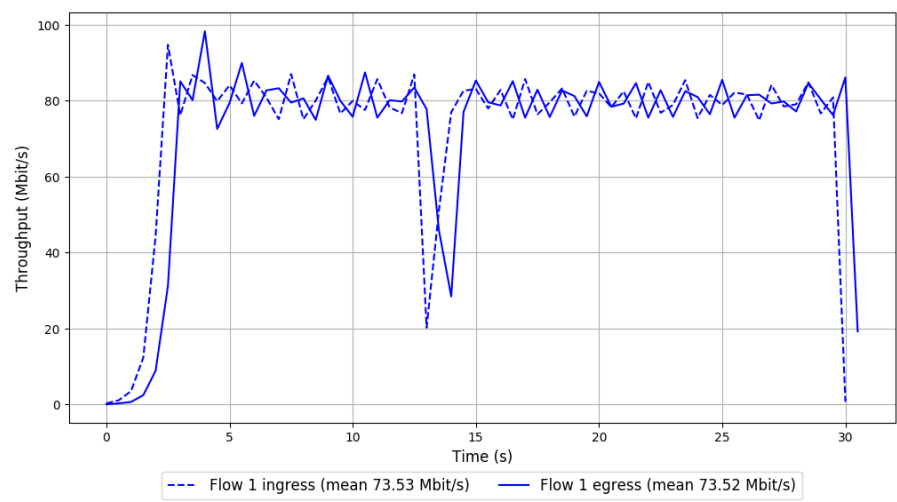


Run 4: Statistics of TCP BBR

Start at: 2018-07-19 00:09:20
End at: 2018-07-19 00:09:50
Local clock offset: -0.235 ms
Remote clock offset: -0.376 ms

Below is generated by plot.py at 2018-07-19 02:46:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.52 Mbit/s
95th percentile per-packet one-way delay: 136.250 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.52 Mbit/s
95th percentile per-packet one-way delay: 136.250 ms
Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link

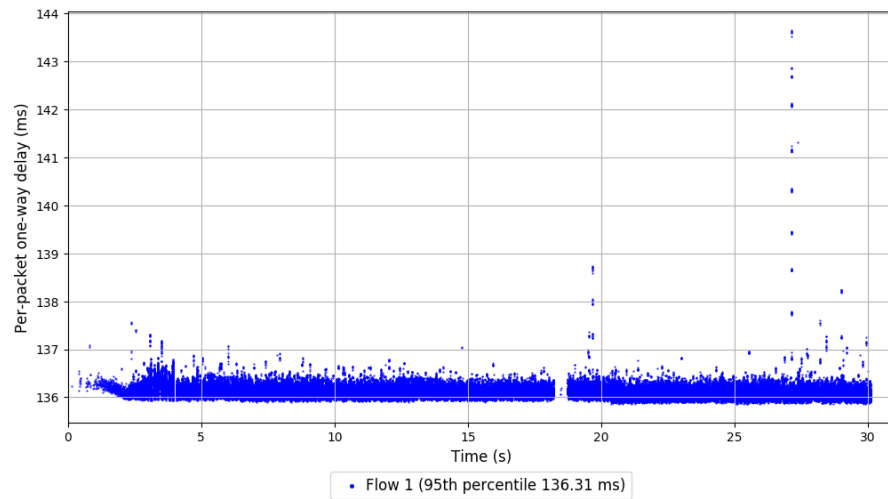
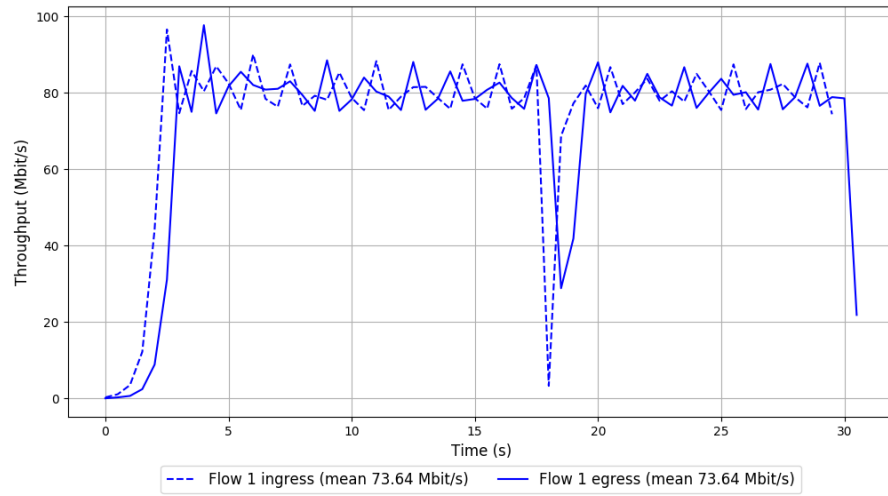


Run 5: Statistics of TCP BBR

Start at: 2018-07-19 00:31:56
End at: 2018-07-19 00:32:26
Local clock offset: -0.395 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-07-19 02:46:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.64 Mbit/s
95th percentile per-packet one-way delay: 136.305 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.64 Mbit/s
95th percentile per-packet one-way delay: 136.305 ms
Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link

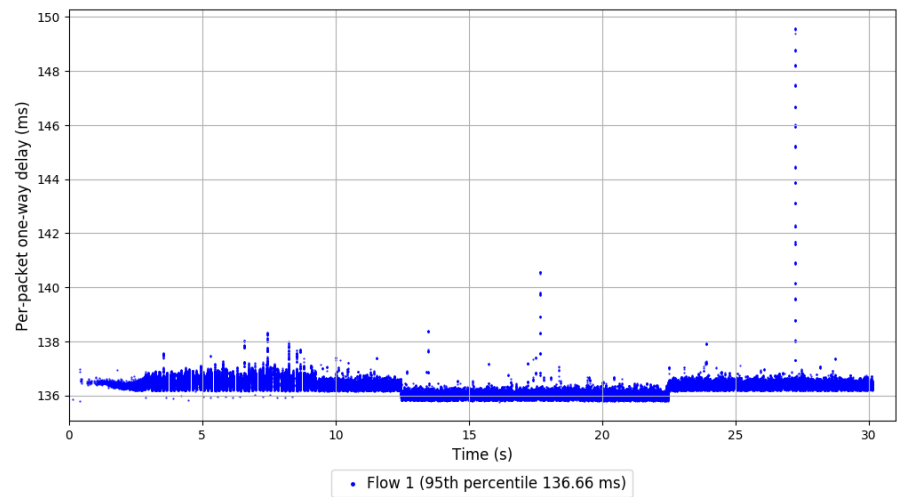
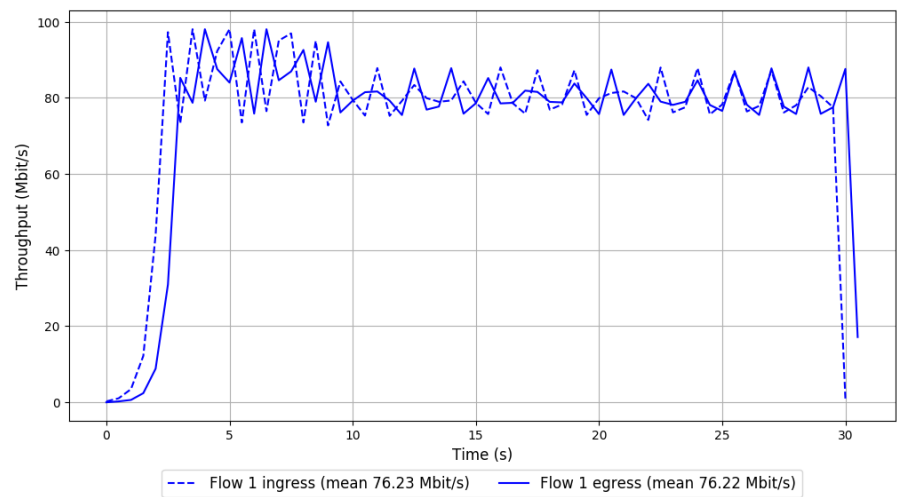


Run 6: Statistics of TCP BBR

Start at: 2018-07-19 00:54:54
End at: 2018-07-19 00:55:24
Local clock offset: -0.322 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-19 02:46:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.22 Mbit/s
95th percentile per-packet one-way delay: 136.656 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.22 Mbit/s
95th percentile per-packet one-way delay: 136.656 ms
Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-19 01:17:26

End at: 2018-07-19 01:17:56

Local clock offset: -0.664 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-07-19 02:46:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.35 Mbit/s

95th percentile per-packet one-way delay: 136.897 ms

Loss rate: 0.00%

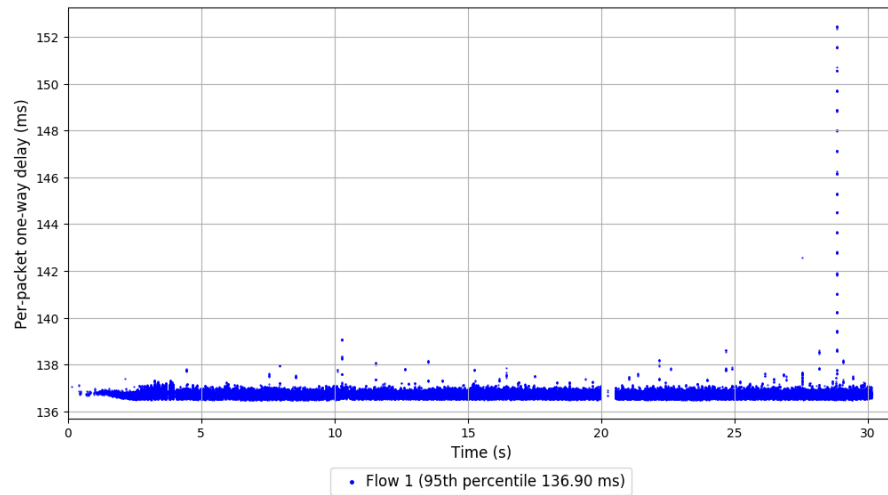
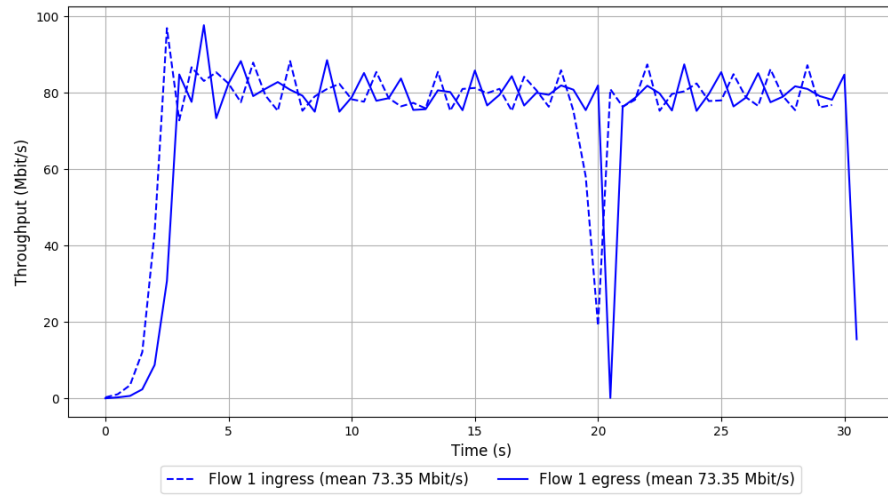
-- Flow 1:

Average throughput: 73.35 Mbit/s

95th percentile per-packet one-way delay: 136.897 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link

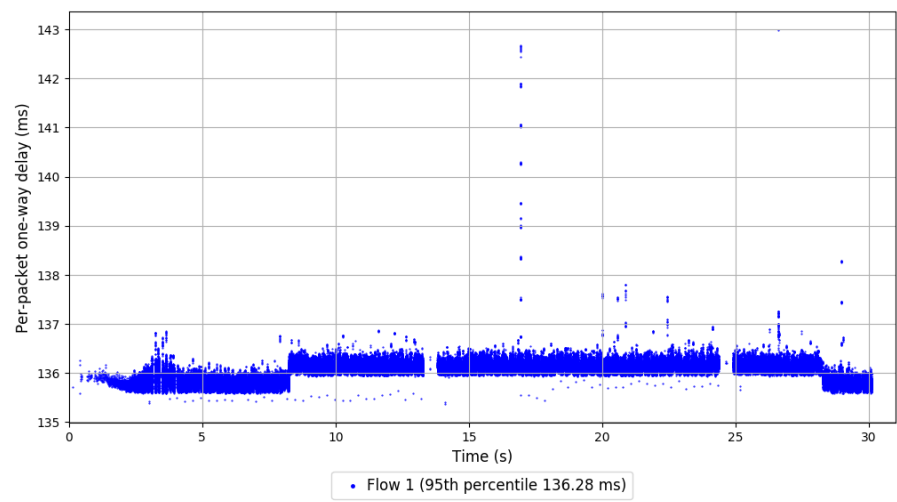
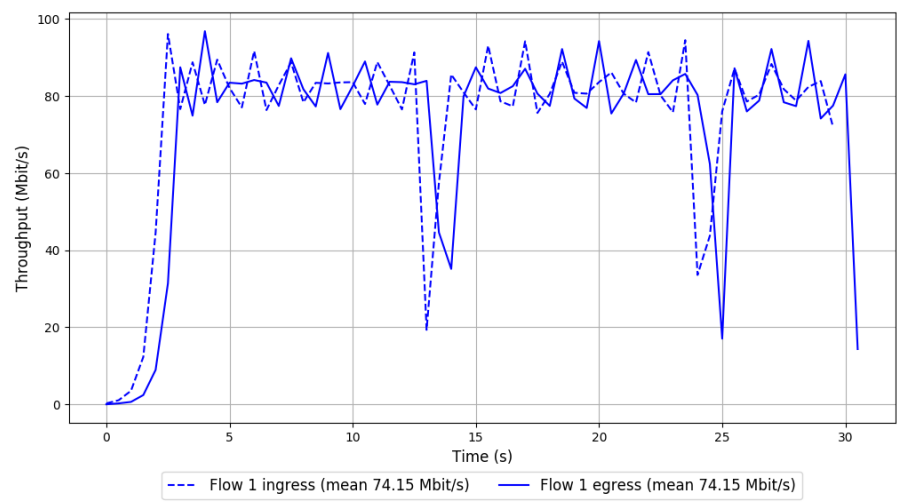


Run 8: Statistics of TCP BBR

Start at: 2018-07-19 01:40:28
End at: 2018-07-19 01:40:58
Local clock offset: -0.613 ms
Remote clock offset: -0.493 ms

Below is generated by plot.py at 2018-07-19 02:46:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.15 Mbit/s
95th percentile per-packet one-way delay: 136.283 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 74.15 Mbit/s
95th percentile per-packet one-way delay: 136.283 ms
Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-19 02:03:20

End at: 2018-07-19 02:03:50

Local clock offset: 0.036 ms

Remote clock offset: -0.128 ms

Below is generated by plot.py at 2018-07-19 02:47:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.03 Mbit/s

95th percentile per-packet one-way delay: 136.631 ms

Loss rate: 0.00%

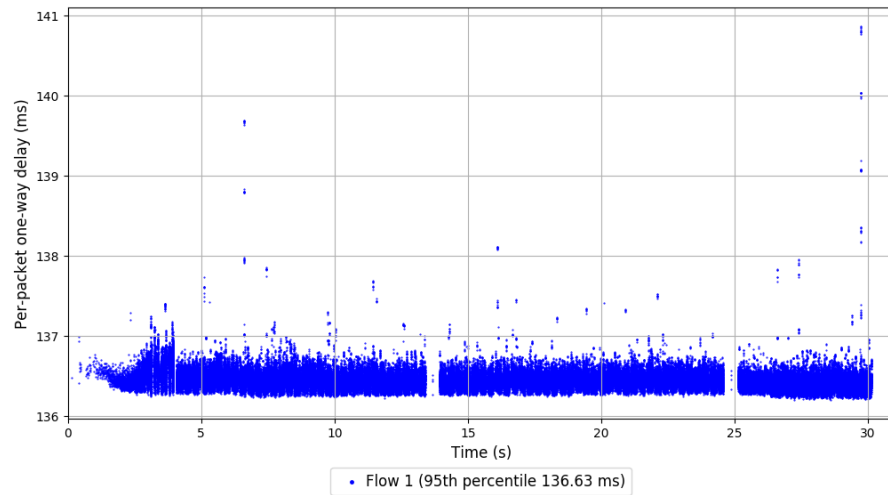
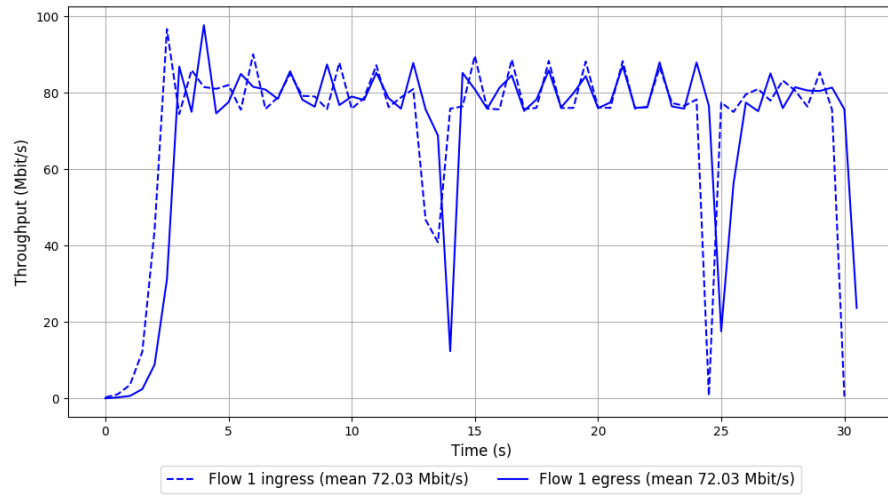
-- Flow 1:

Average throughput: 72.03 Mbit/s

95th percentile per-packet one-way delay: 136.631 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-19 02:26:15

End at: 2018-07-19 02:26:45

Local clock offset: -0.153 ms

Remote clock offset: 0.201 ms

Below is generated by plot.py at 2018-07-19 02:47:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.42 Mbit/s

95th percentile per-packet one-way delay: 137.252 ms

Loss rate: 0.00%

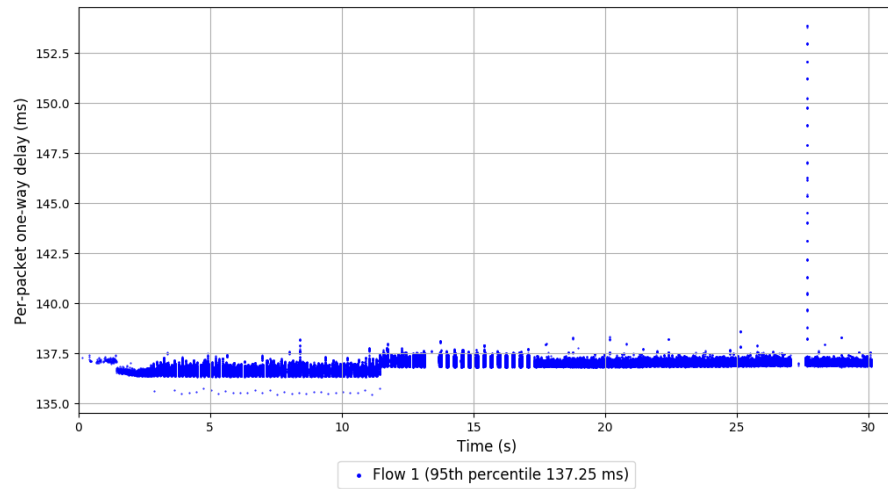
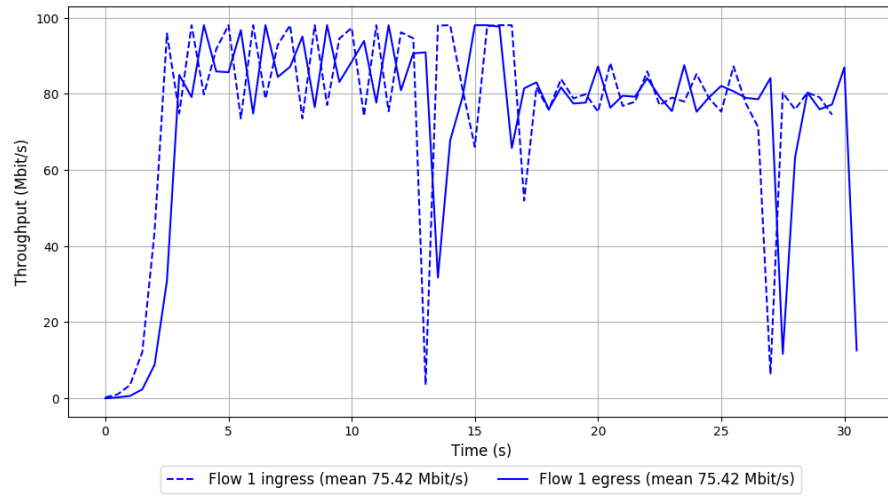
-- Flow 1:

Average throughput: 75.42 Mbit/s

95th percentile per-packet one-way delay: 137.252 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

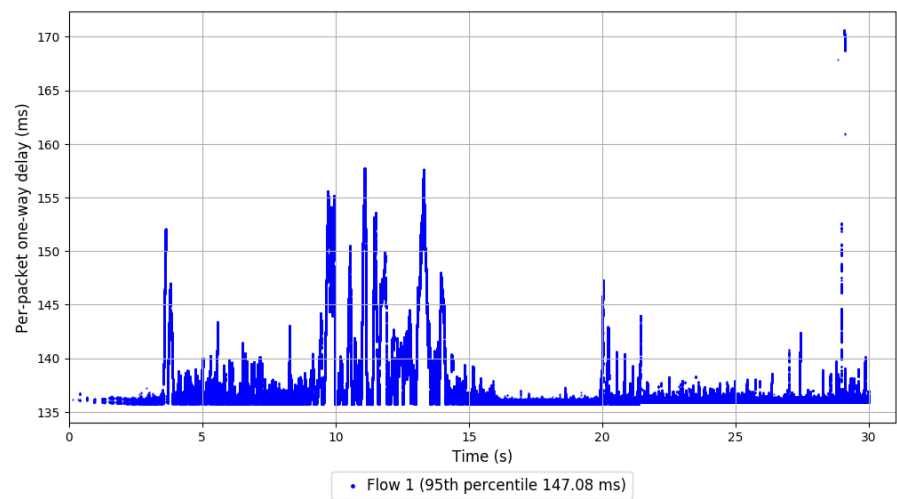
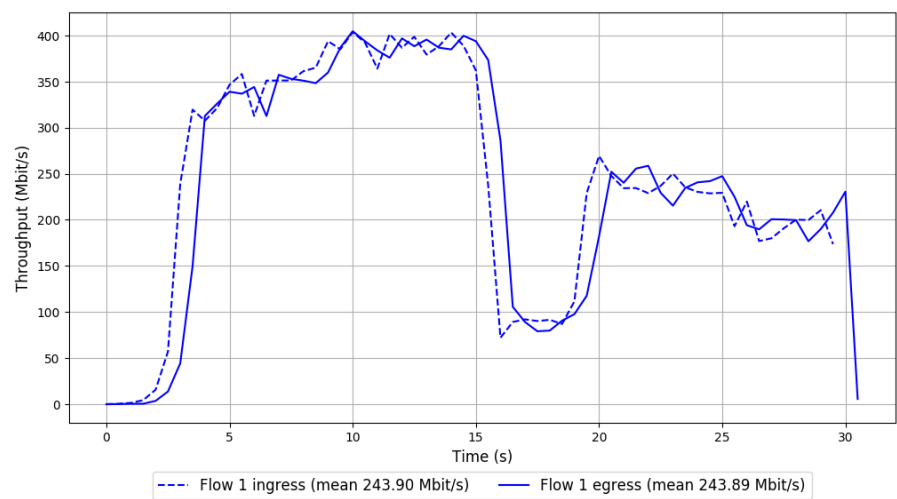


Run 1: Statistics of Copa

Start at: 2018-07-18 22:53:45
End at: 2018-07-18 22:54:15
Local clock offset: -0.08 ms
Remote clock offset: -0.553 ms

Below is generated by plot.py at 2018-07-19 02:54:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 243.89 Mbit/s
95th percentile per-packet one-way delay: 147.082 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 243.89 Mbit/s
95th percentile per-packet one-way delay: 147.082 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

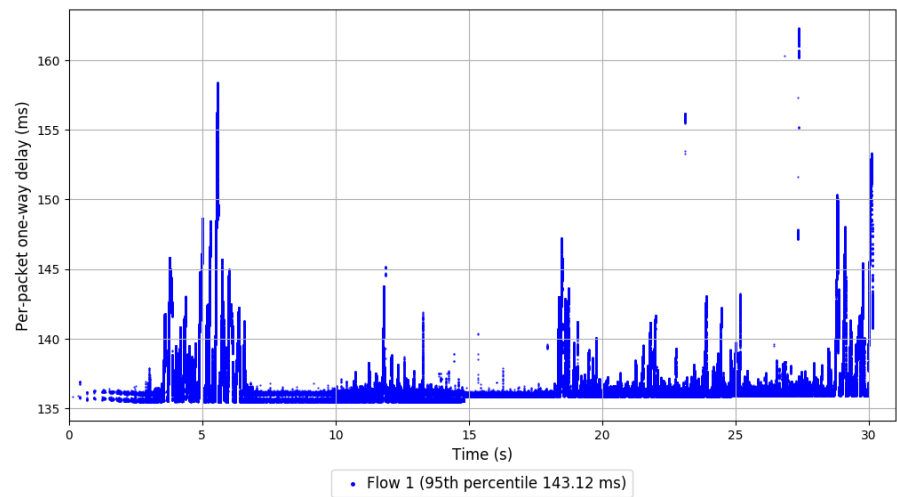
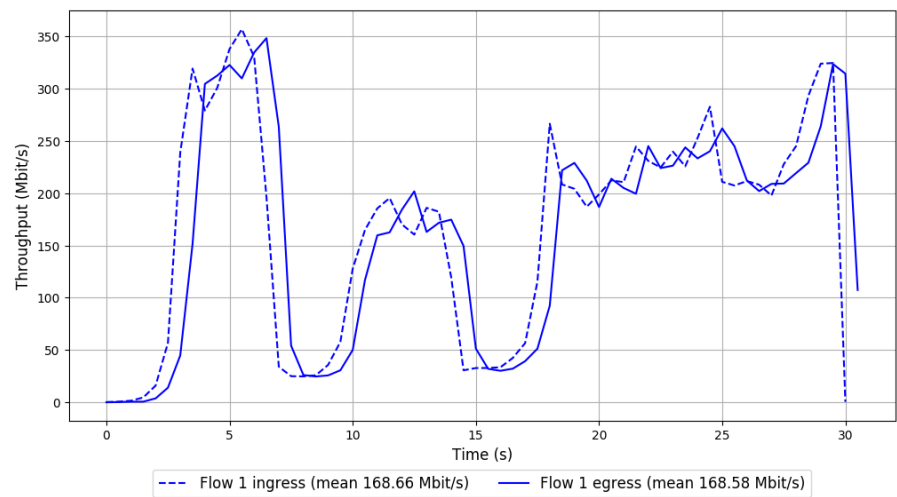


Run 2: Statistics of Copa

Start at: 2018-07-18 23:16:51
End at: 2018-07-18 23:17:21
Local clock offset: -0.216 ms
Remote clock offset: -0.433 ms

Below is generated by plot.py at 2018-07-19 02:54:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 168.58 Mbit/s
95th percentile per-packet one-way delay: 143.116 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 168.58 Mbit/s
95th percentile per-packet one-way delay: 143.116 ms
Loss rate: 0.04%

Run 2: Report of Copa — Data Link

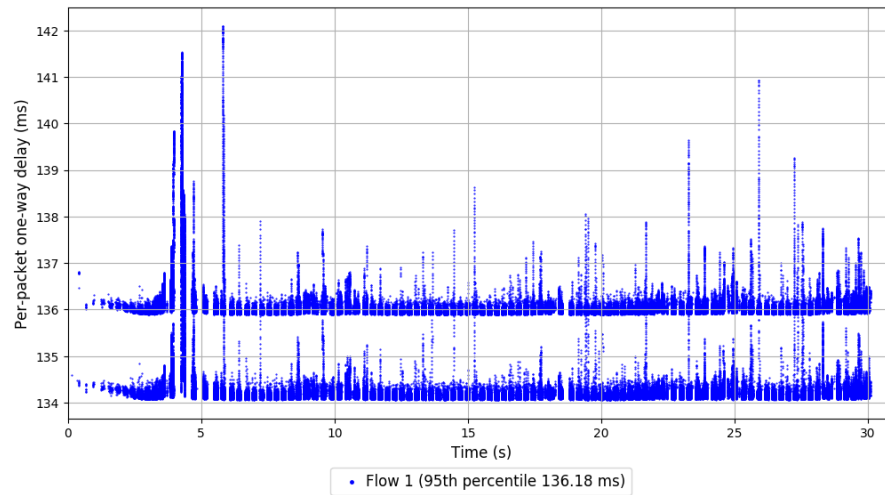
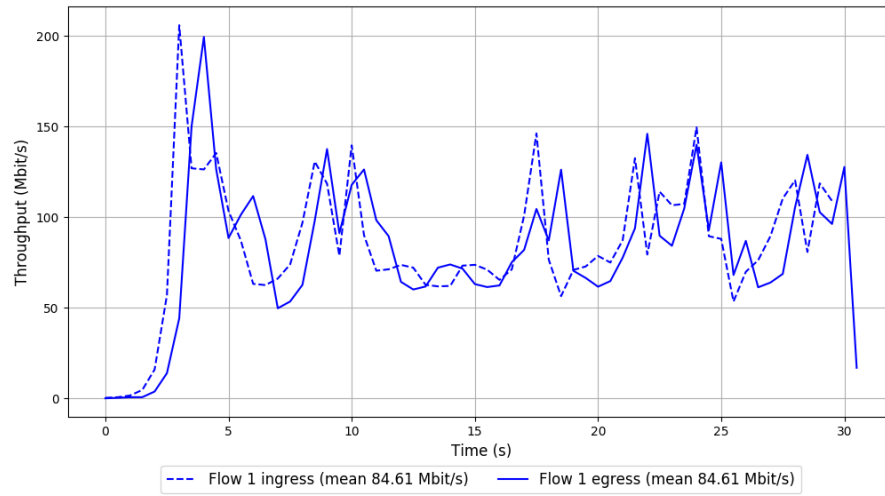


Run 3: Statistics of Copa

Start at: 2018-07-18 23:39:36
End at: 2018-07-18 23:40:06
Local clock offset: -0.211 ms
Remote clock offset: -0.393 ms

Below is generated by plot.py at 2018-07-19 02:54:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.61 Mbit/s
95th percentile per-packet one-way delay: 136.184 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.61 Mbit/s
95th percentile per-packet one-way delay: 136.184 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

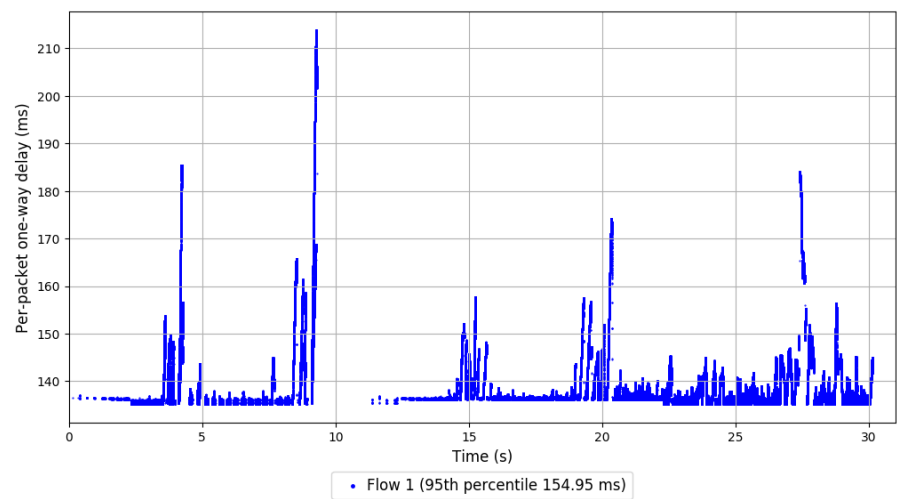
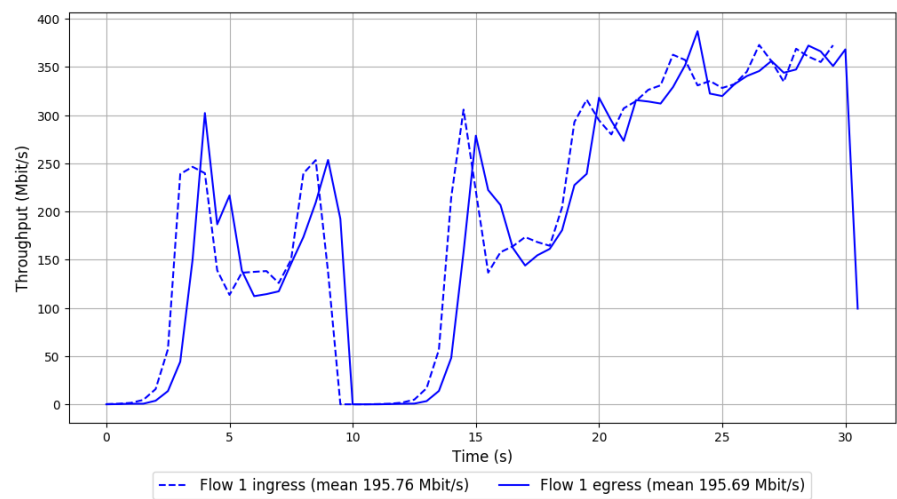


Run 4: Statistics of Copa

Start at: 2018-07-19 00:02:14
End at: 2018-07-19 00:02:44
Local clock offset: -0.32 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-19 02:54:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 195.69 Mbit/s
95th percentile per-packet one-way delay: 154.951 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 195.69 Mbit/s
95th percentile per-packet one-way delay: 154.951 ms
Loss rate: 0.03%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-19 00:25:17

End at: 2018-07-19 00:25:48

Local clock offset: -0.256 ms

Remote clock offset: 0.257 ms

Below is generated by plot.py at 2018-07-19 02:54:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.38 Mbit/s

95th percentile per-packet one-way delay: 137.234 ms

Loss rate: 0.00%

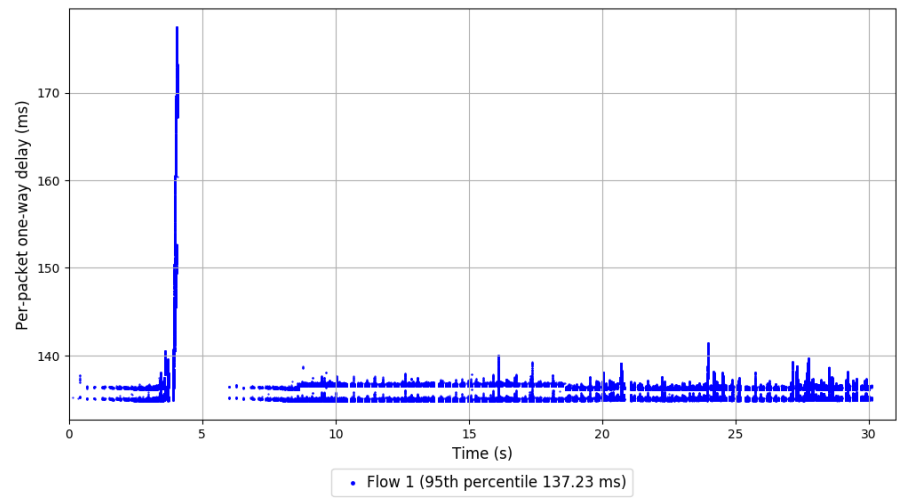
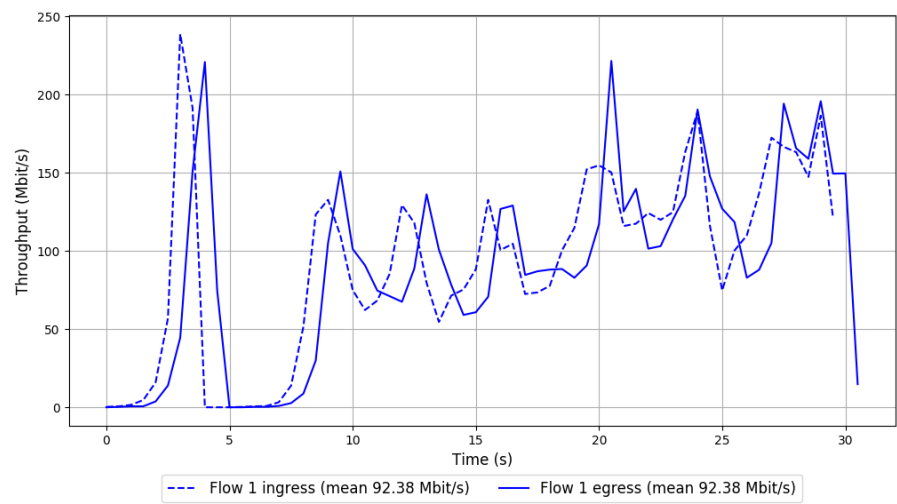
-- Flow 1:

Average throughput: 92.38 Mbit/s

95th percentile per-packet one-way delay: 137.234 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link

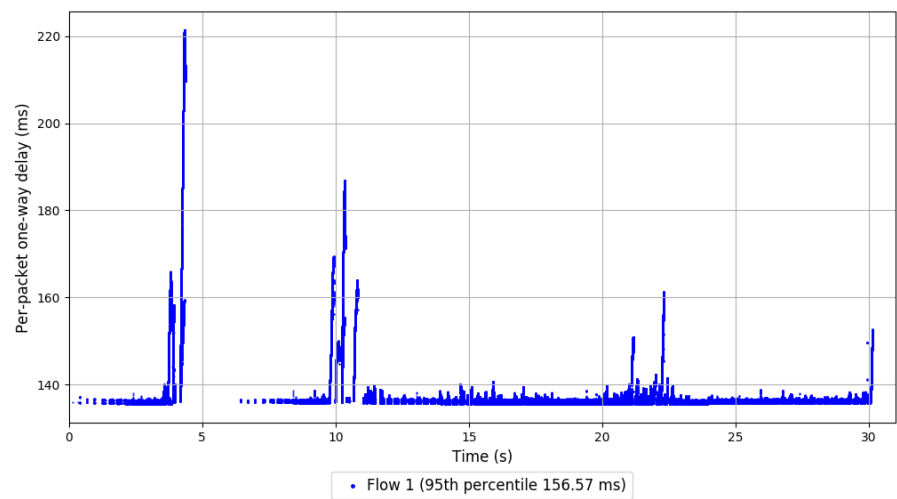
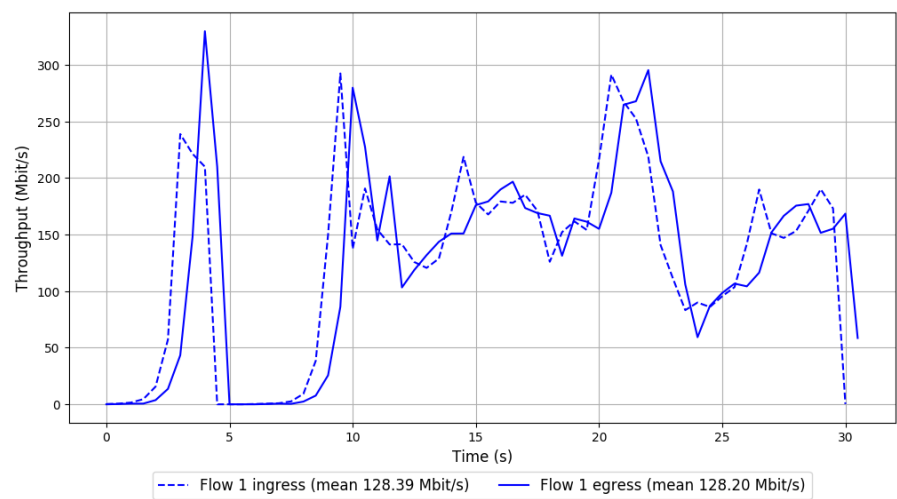


Run 6: Statistics of Copa

Start at: 2018-07-19 00:48:12
End at: 2018-07-19 00:48:42
Local clock offset: -0.383 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-19 02:54:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 128.20 Mbit/s
95th percentile per-packet one-way delay: 156.572 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 128.20 Mbit/s
95th percentile per-packet one-way delay: 156.572 ms
Loss rate: 0.14%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-07-19 01:10:48

End at: 2018-07-19 01:11:18

Local clock offset: -0.507 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2018-07-19 02:54:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 141.86 Mbit/s

95th percentile per-packet one-way delay: 145.626 ms

Loss rate: 0.00%

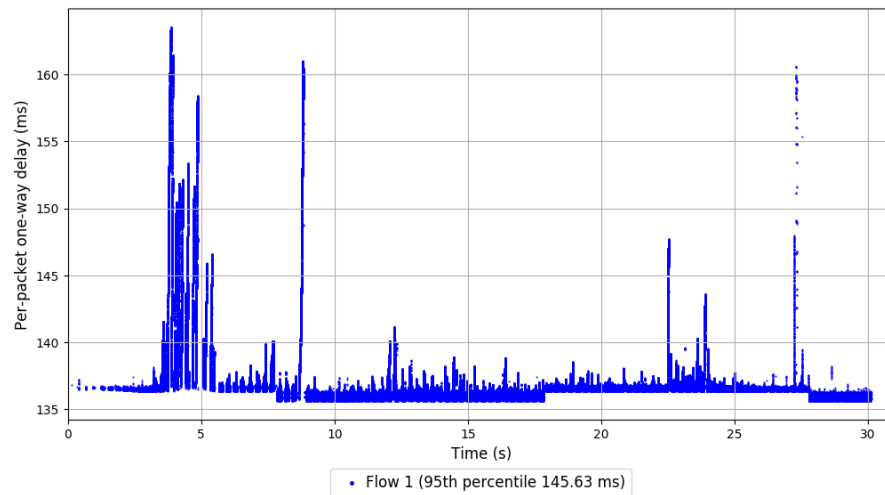
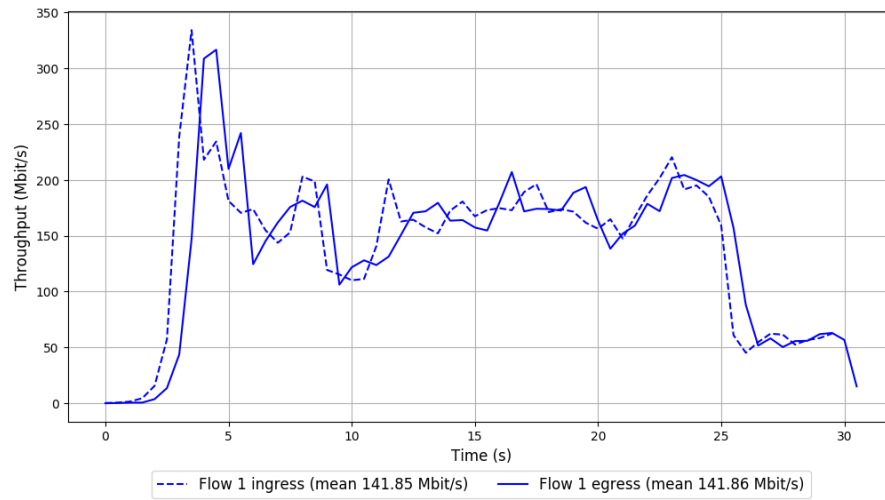
-- Flow 1:

Average throughput: 141.86 Mbit/s

95th percentile per-packet one-way delay: 145.626 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link

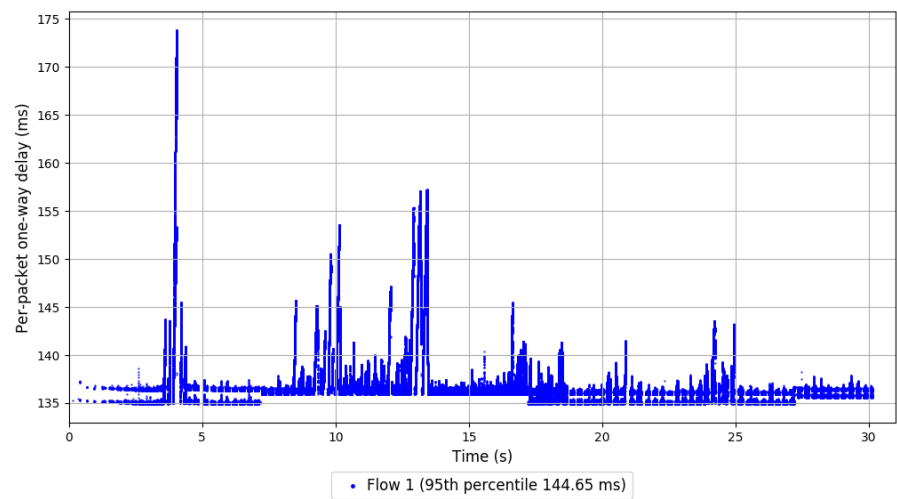
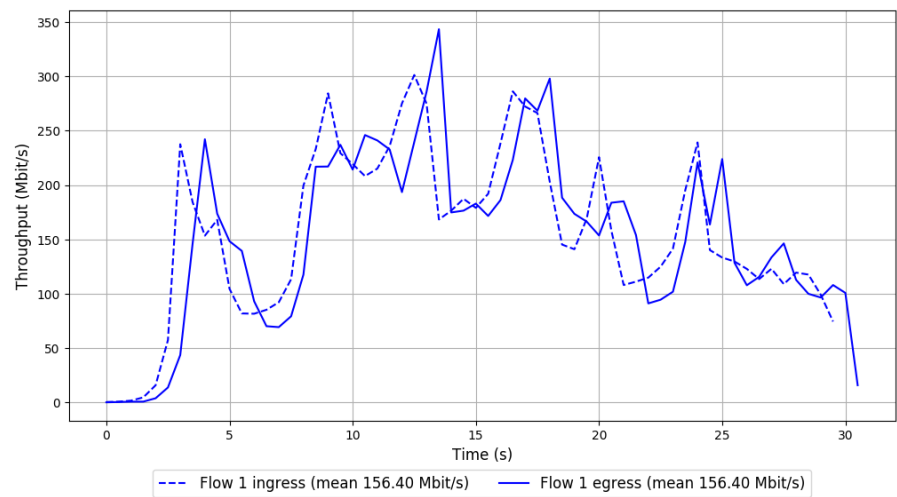


Run 8: Statistics of Copa

Start at: 2018-07-19 01:33:29
End at: 2018-07-19 01:33:59
Local clock offset: -0.522 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-07-19 02:54:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 156.40 Mbit/s
95th percentile per-packet one-way delay: 144.653 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 156.40 Mbit/s
95th percentile per-packet one-way delay: 144.653 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

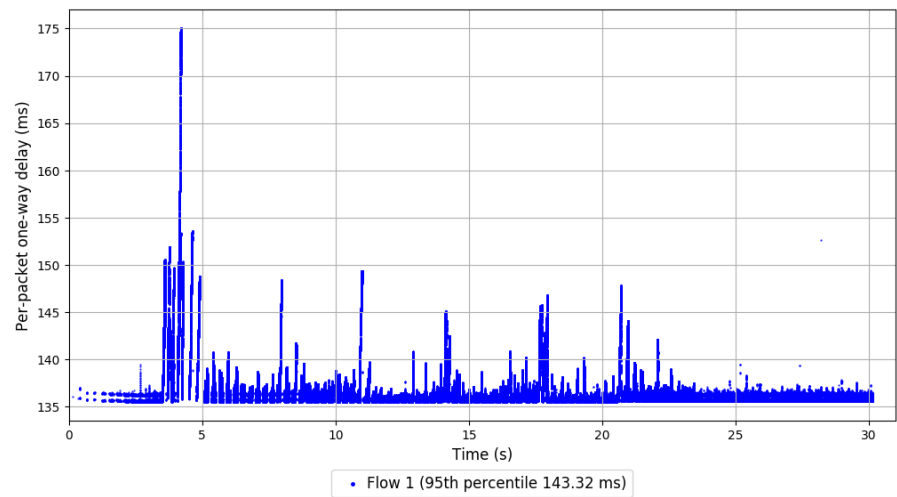
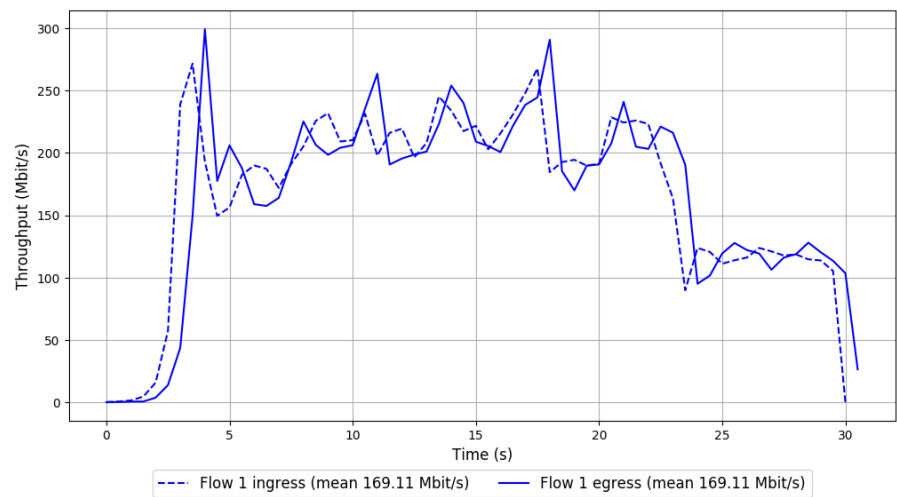


Run 9: Statistics of Copa

Start at: 2018-07-19 01:56:36
End at: 2018-07-19 01:57:06
Local clock offset: -0.35 ms
Remote clock offset: -0.493 ms

Below is generated by plot.py at 2018-07-19 02:55:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 169.11 Mbit/s
95th percentile per-packet one-way delay: 143.321 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 169.11 Mbit/s
95th percentile per-packet one-way delay: 143.321 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

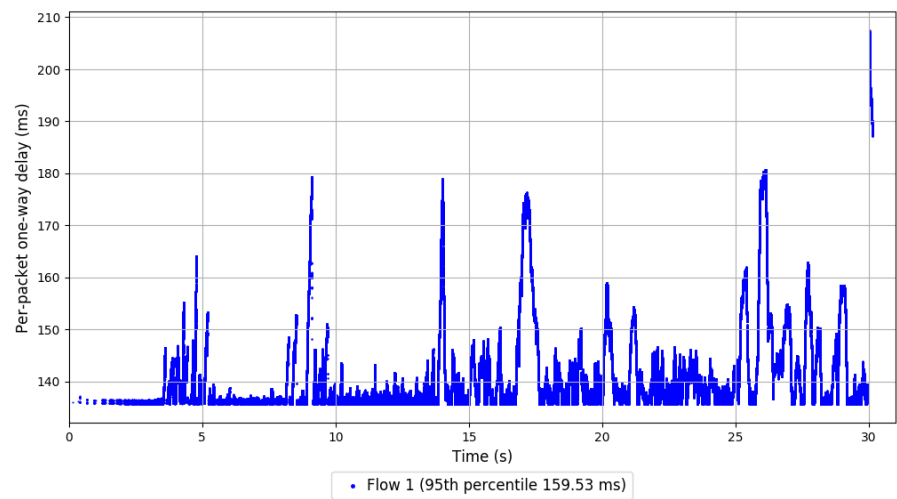
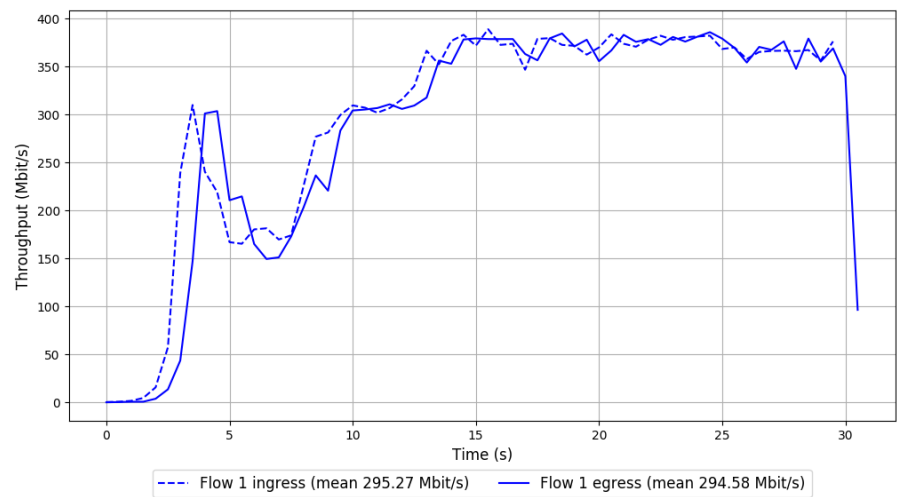


Run 10: Statistics of Copa

Start at: 2018-07-19 02:19:27
End at: 2018-07-19 02:19:57
Local clock offset: -0.192 ms
Remote clock offset: -0.578 ms

Below is generated by plot.py at 2018-07-19 02:58:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 294.58 Mbit/s
95th percentile per-packet one-way delay: 159.527 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 294.58 Mbit/s
95th percentile per-packet one-way delay: 159.527 ms
Loss rate: 0.23%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-18 23:05:33

End at: 2018-07-18 23:06:03

Local clock offset: -0.151 ms

Remote clock offset: 0.233 ms

Below is generated by plot.py at 2018-07-19 02:58:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.49 Mbit/s

95th percentile per-packet one-way delay: 145.359 ms

Loss rate: 0.00%

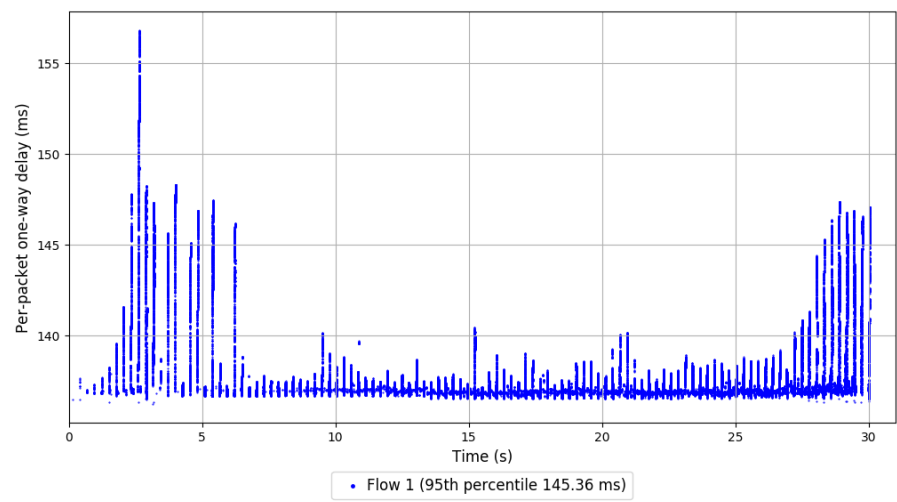
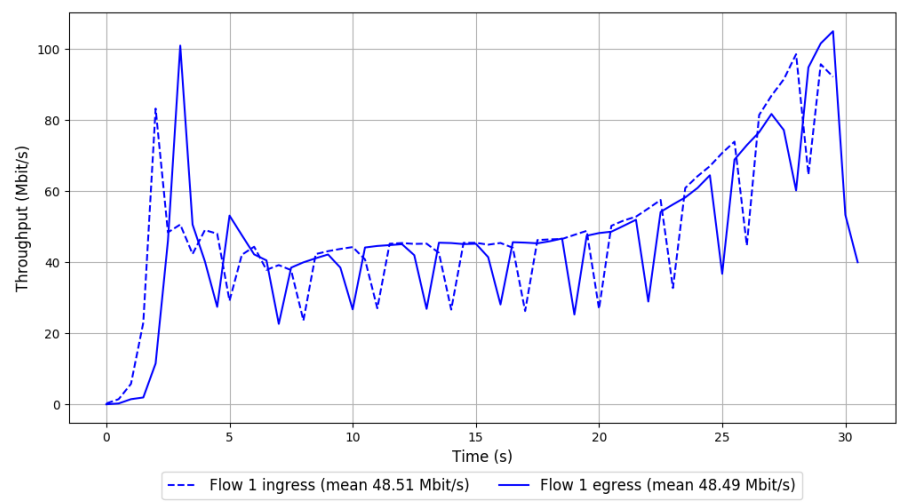
-- Flow 1:

Average throughput: 48.49 Mbit/s

95th percentile per-packet one-way delay: 145.359 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

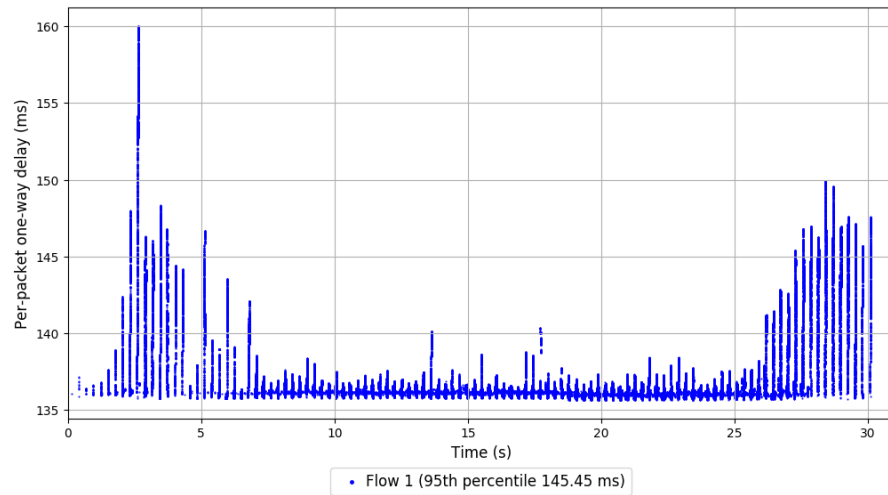
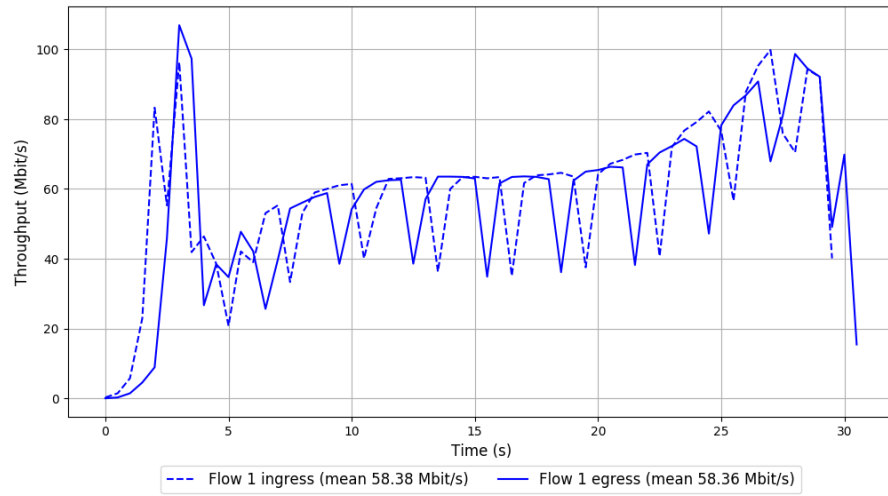


Run 2: Statistics of TCP Cubic

Start at: 2018-07-18 23:28:17
End at: 2018-07-18 23:28:47
Local clock offset: -0.065 ms
Remote clock offset: -0.423 ms

Below is generated by plot.py at 2018-07-19 02:58:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.36 Mbit/s
95th percentile per-packet one-way delay: 145.447 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.36 Mbit/s
95th percentile per-packet one-way delay: 145.447 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-07-18 23:50:51

End at: 2018-07-18 23:51:21

Local clock offset: -0.263 ms

Remote clock offset: 0.378 ms

Below is generated by plot.py at 2018-07-19 02:58:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.81 Mbit/s

95th percentile per-packet one-way delay: 147.074 ms

Loss rate: 0.00%

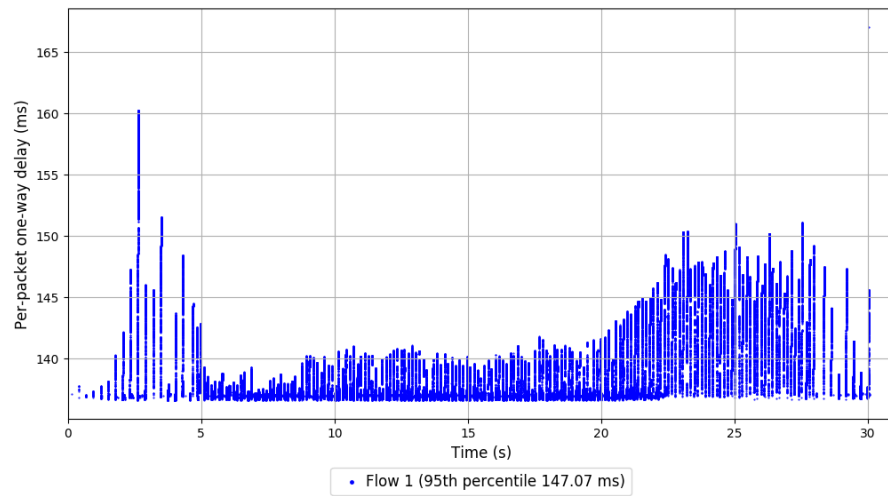
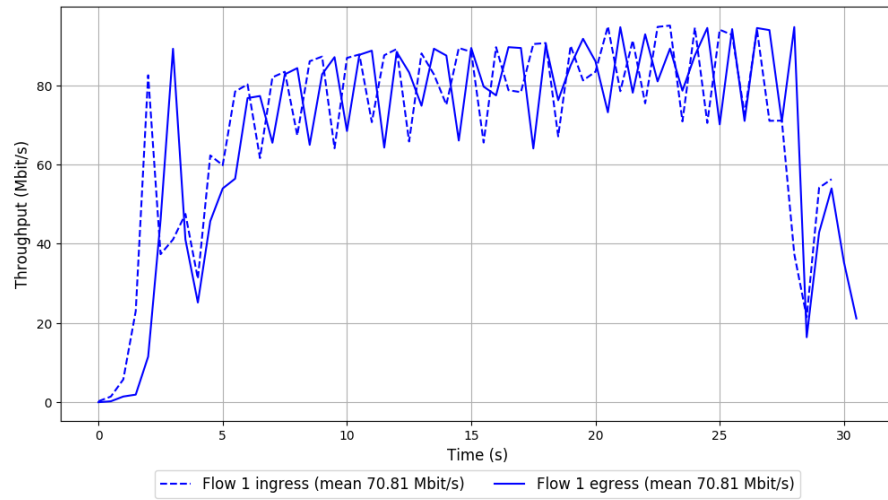
-- Flow 1:

Average throughput: 70.81 Mbit/s

95th percentile per-packet one-way delay: 147.074 ms

Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link

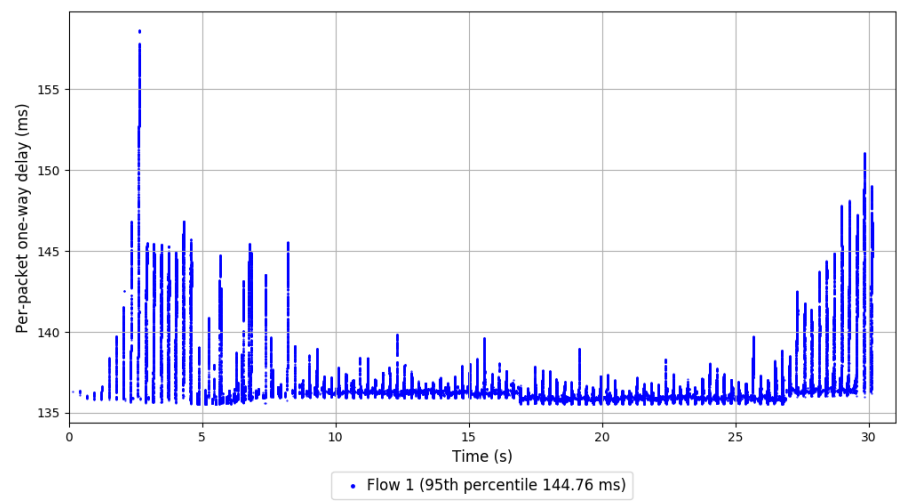
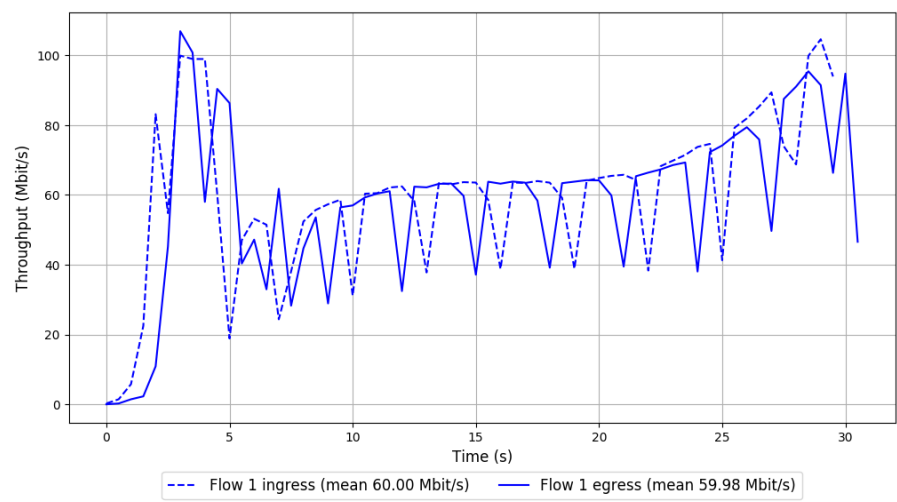


Run 4: Statistics of TCP Cubic

Start at: 2018-07-19 00:13:59
End at: 2018-07-19 00:14:29
Local clock offset: -0.326 ms
Remote clock offset: -0.403 ms

Below is generated by plot.py at 2018-07-19 02:58:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.98 Mbit/s
95th percentile per-packet one-way delay: 144.765 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.98 Mbit/s
95th percentile per-packet one-way delay: 144.765 ms
Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link

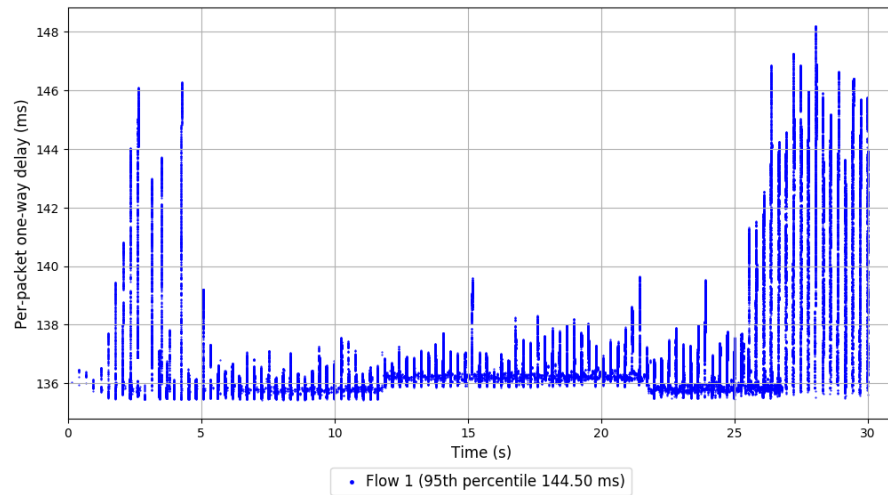
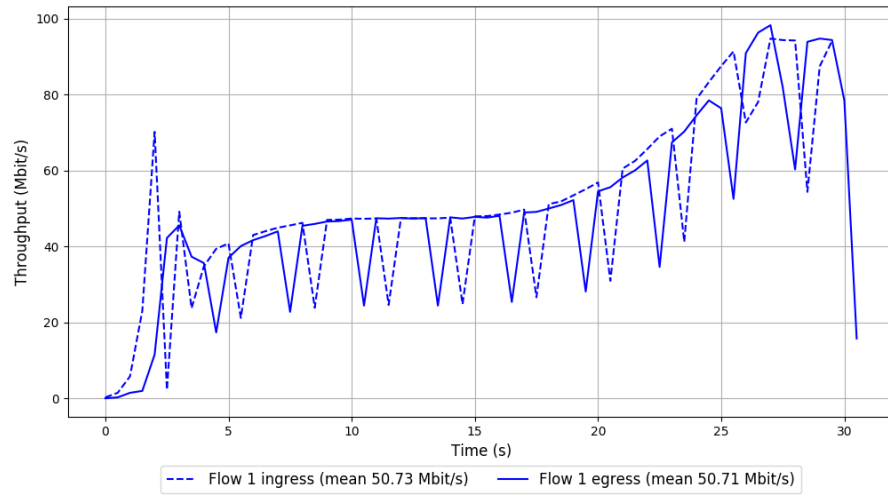


Run 5: Statistics of TCP Cubic

Start at: 2018-07-19 00:36:34
End at: 2018-07-19 00:37:04
Local clock offset: -0.368 ms
Remote clock offset: -0.521 ms

Below is generated by plot.py at 2018-07-19 02:58:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.71 Mbit/s
95th percentile per-packet one-way delay: 144.504 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.71 Mbit/s
95th percentile per-packet one-way delay: 144.504 ms
Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-19 00:59:33

End at: 2018-07-19 01:00:03

Local clock offset: -0.405 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-19 02:58:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.28 Mbit/s

95th percentile per-packet one-way delay: 145.521 ms

Loss rate: 0.00%

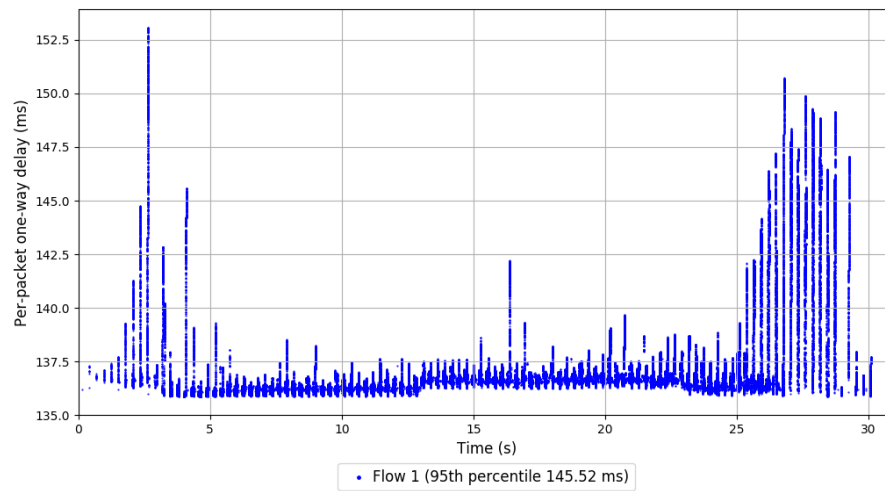
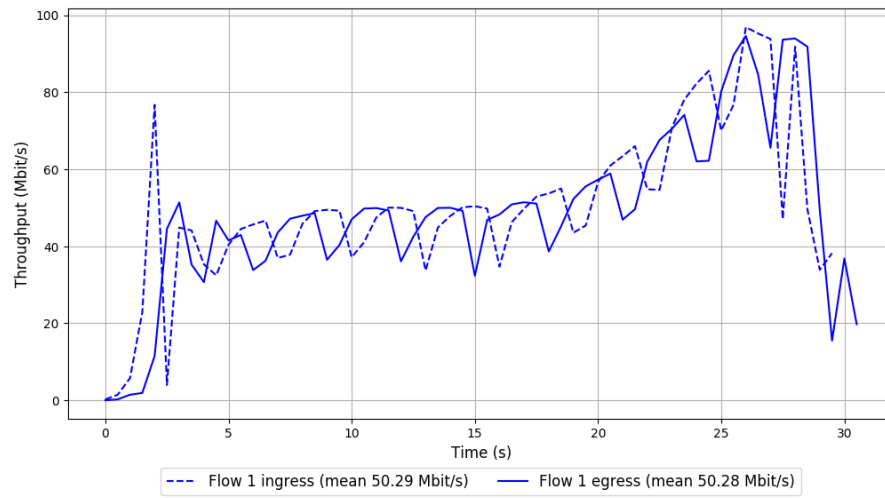
-- Flow 1:

Average throughput: 50.28 Mbit/s

95th percentile per-packet one-way delay: 145.521 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link

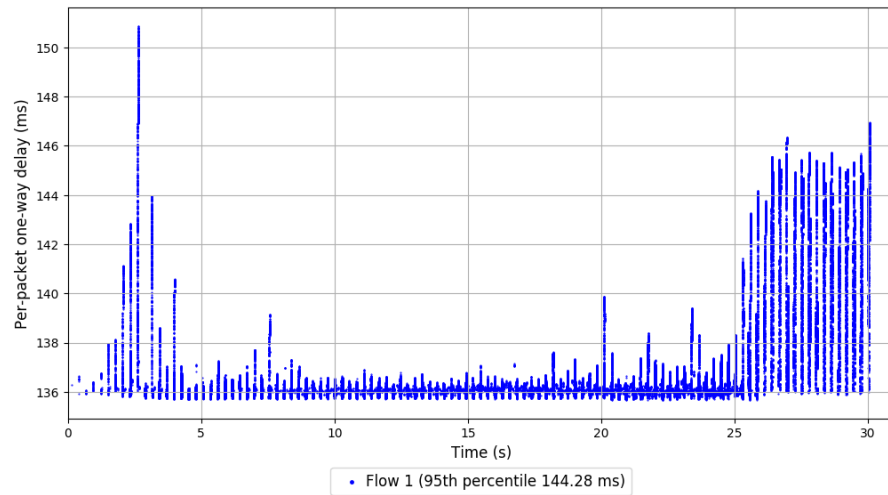
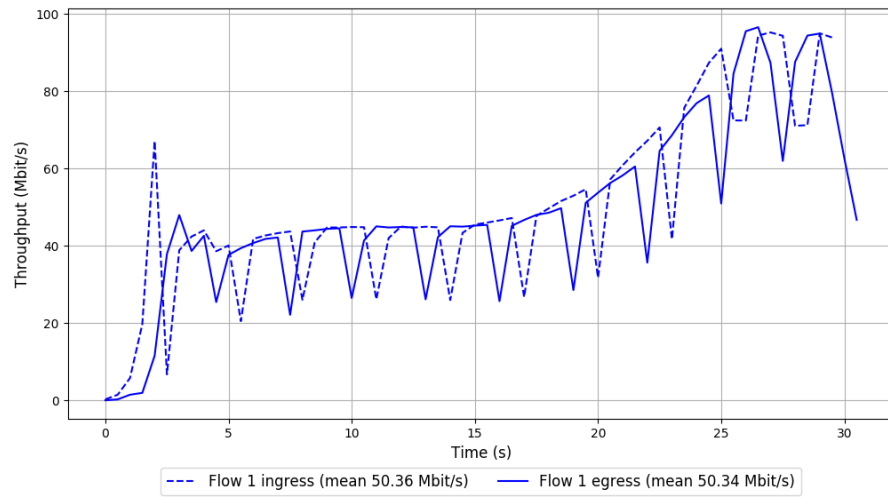


Run 7: Statistics of TCP Cubic

Start at: 2018-07-19 01:22:06
End at: 2018-07-19 01:22:36
Local clock offset: -0.296 ms
Remote clock offset: -0.413 ms

Below is generated by plot.py at 2018-07-19 02:58:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.34 Mbit/s
95th percentile per-packet one-way delay: 144.279 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.34 Mbit/s
95th percentile per-packet one-way delay: 144.279 ms
Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-07-19 01:45:07

End at: 2018-07-19 01:45:37

Local clock offset: -0.4 ms

Remote clock offset: 0.291 ms

Below is generated by plot.py at 2018-07-19 02:58:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.00 Mbit/s

95th percentile per-packet one-way delay: 140.465 ms

Loss rate: 0.00%

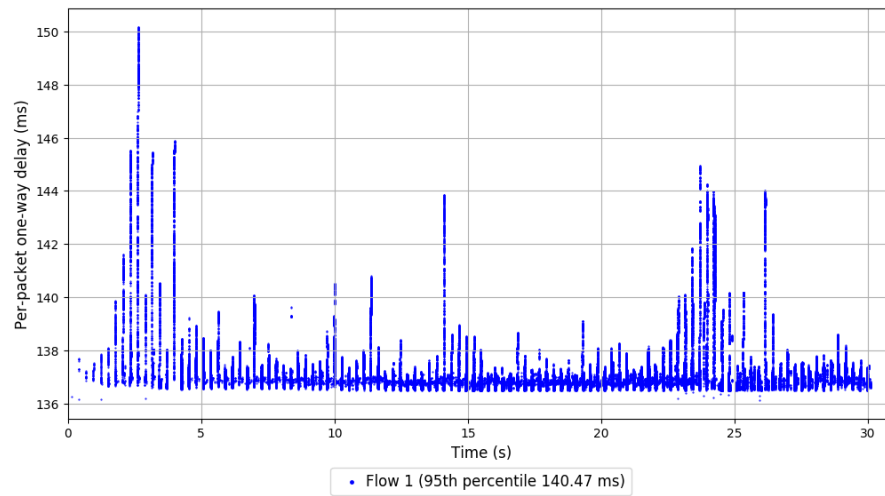
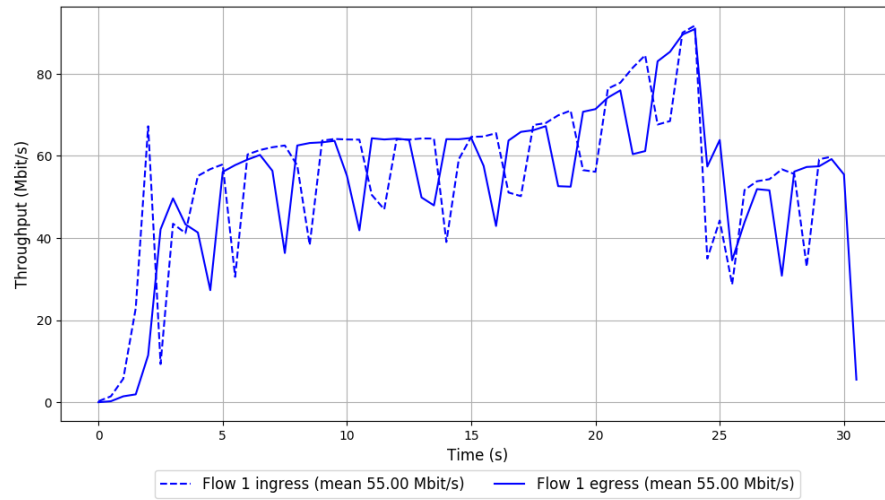
-- Flow 1:

Average throughput: 55.00 Mbit/s

95th percentile per-packet one-way delay: 140.465 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link

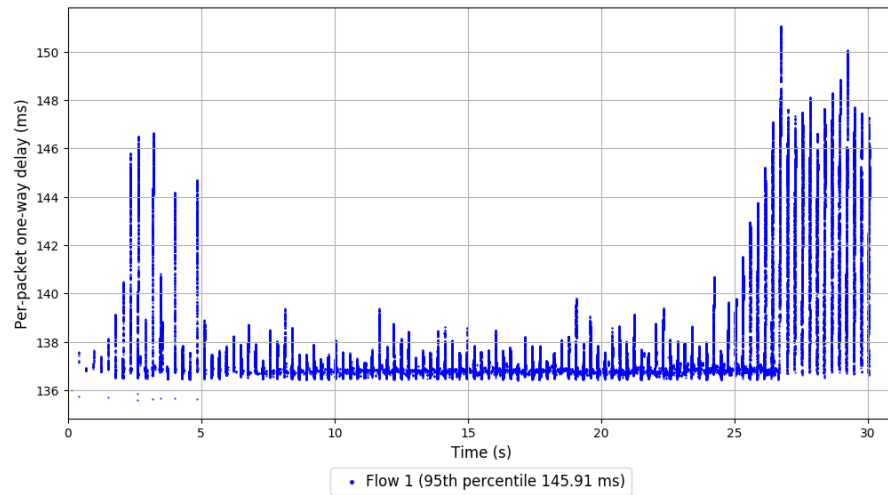
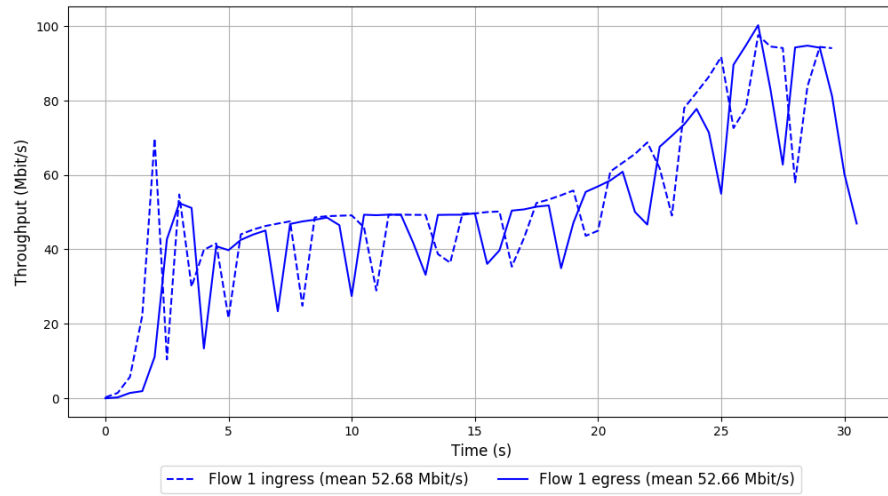


Run 9: Statistics of TCP Cubic

Start at: 2018-07-19 02:07:59
End at: 2018-07-19 02:08:29
Local clock offset: -0.022 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-07-19 02:58:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 52.66 Mbit/s
95th percentile per-packet one-way delay: 145.913 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.66 Mbit/s
95th percentile per-packet one-way delay: 145.913 ms
Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-19 02:30:54

End at: 2018-07-19 02:31:24

Local clock offset: -0.0 ms

Remote clock offset: 0.301 ms

Below is generated by plot.py at 2018-07-19 02:58:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.78 Mbit/s

95th percentile per-packet one-way delay: 146.852 ms

Loss rate: 0.00%

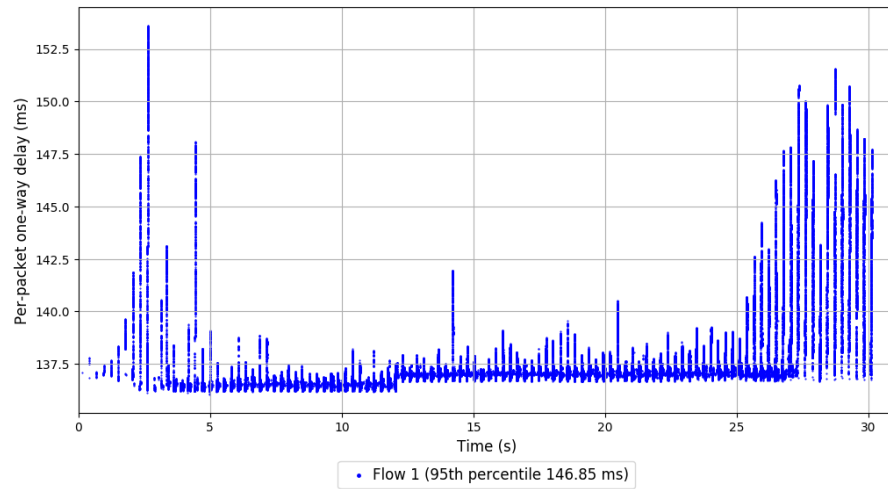
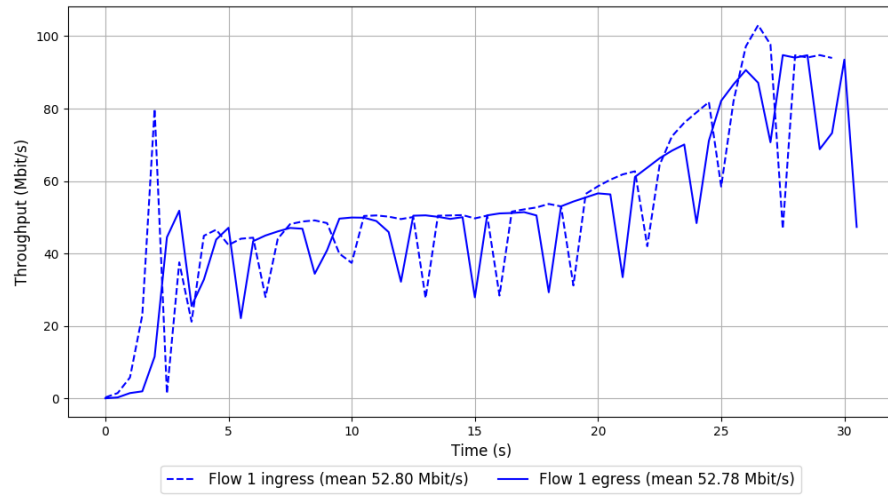
-- Flow 1:

Average throughput: 52.78 Mbit/s

95th percentile per-packet one-way delay: 146.852 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-07-18 22:56:28

End at: 2018-07-18 22:56:58

Local clock offset: -0.159 ms

Remote clock offset: 0.115 ms

Below is generated by plot.py at 2018-07-19 03:10:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 786.50 Mbit/s

95th percentile per-packet one-way delay: 305.383 ms

Loss rate: 2.13%

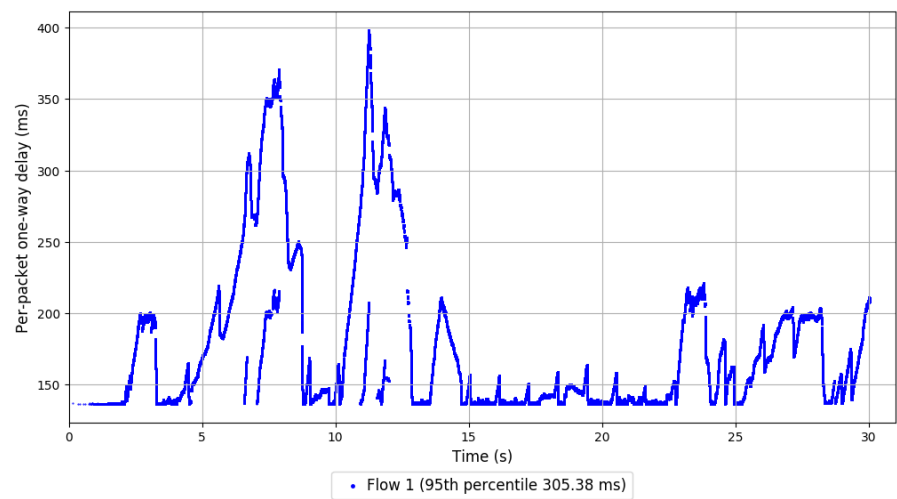
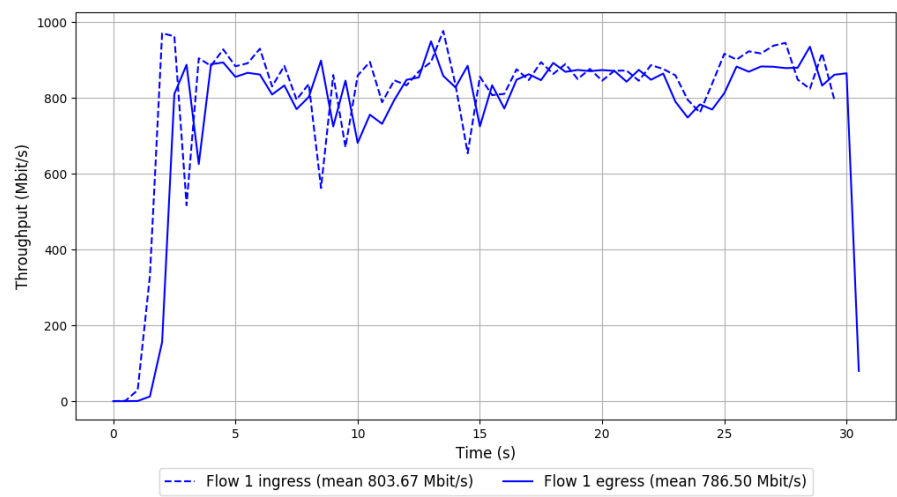
-- Flow 1:

Average throughput: 786.50 Mbit/s

95th percentile per-packet one-way delay: 305.383 ms

Loss rate: 2.13%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-18 23:19:28

End at: 2018-07-18 23:19:58

Local clock offset: -0.275 ms

Remote clock offset: 0.351 ms

Below is generated by plot.py at 2018-07-19 03:10:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 763.05 Mbit/s

95th percentile per-packet one-way delay: 223.920 ms

Loss rate: 2.67%

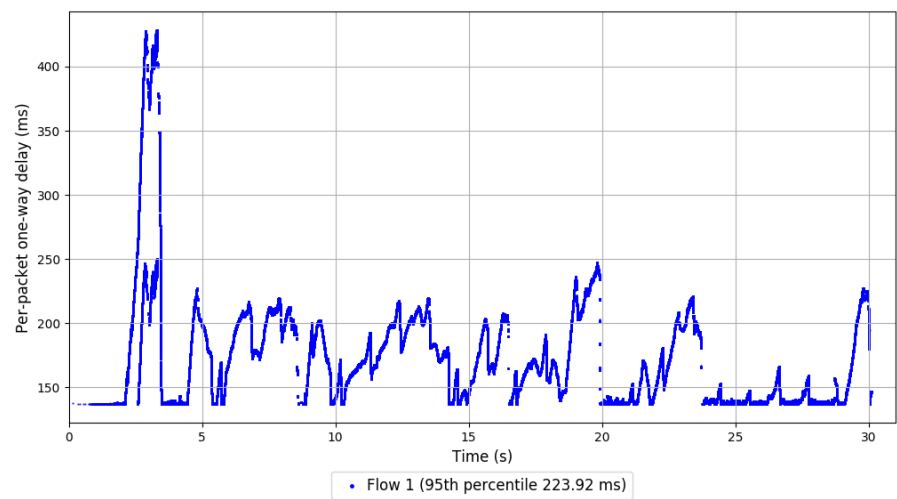
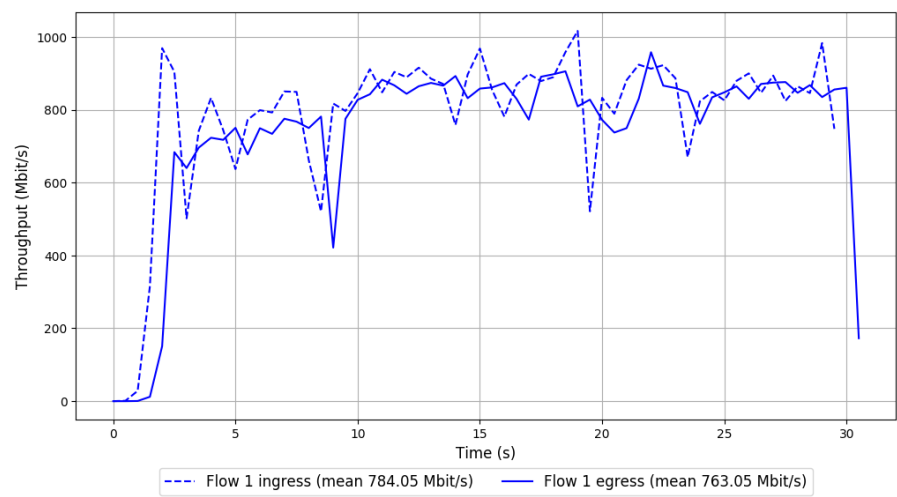
-- Flow 1:

Average throughput: 763.05 Mbit/s

95th percentile per-packet one-way delay: 223.920 ms

Loss rate: 2.67%

Run 2: Report of FillP — Data Link

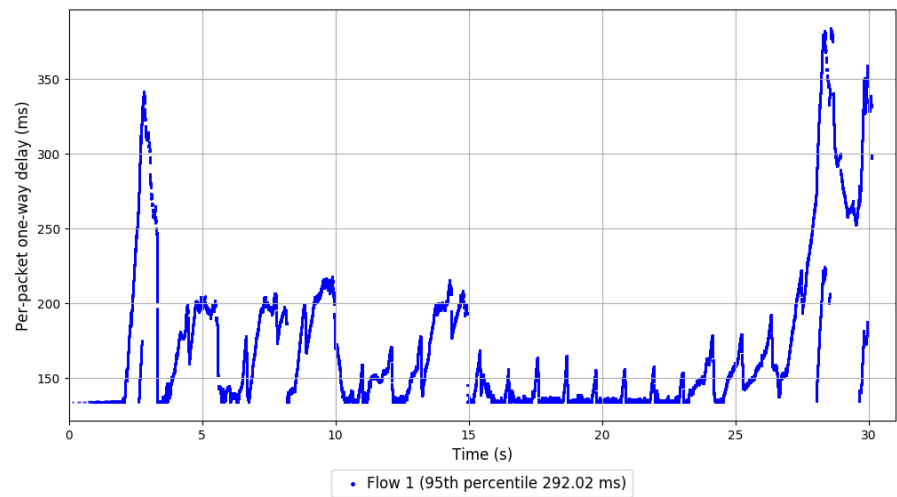
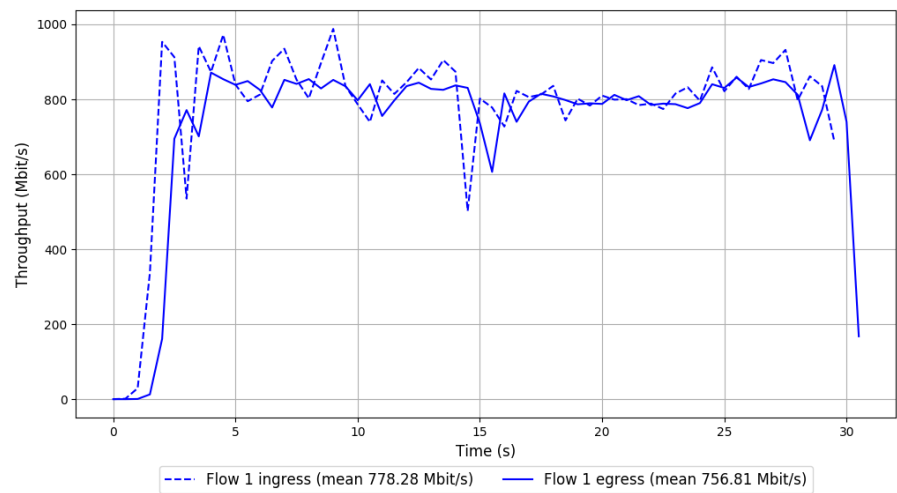


Run 3: Statistics of FillP

Start at: 2018-07-18 23:42:02
End at: 2018-07-18 23:42:32
Local clock offset: -0.236 ms
Remote clock offset: -0.414 ms

Below is generated by plot.py at 2018-07-19 03:10:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 756.81 Mbit/s
95th percentile per-packet one-way delay: 292.017 ms
Loss rate: 2.75%
-- Flow 1:
Average throughput: 756.81 Mbit/s
95th percentile per-packet one-way delay: 292.017 ms
Loss rate: 2.75%

Run 3: Report of FillP — Data Link

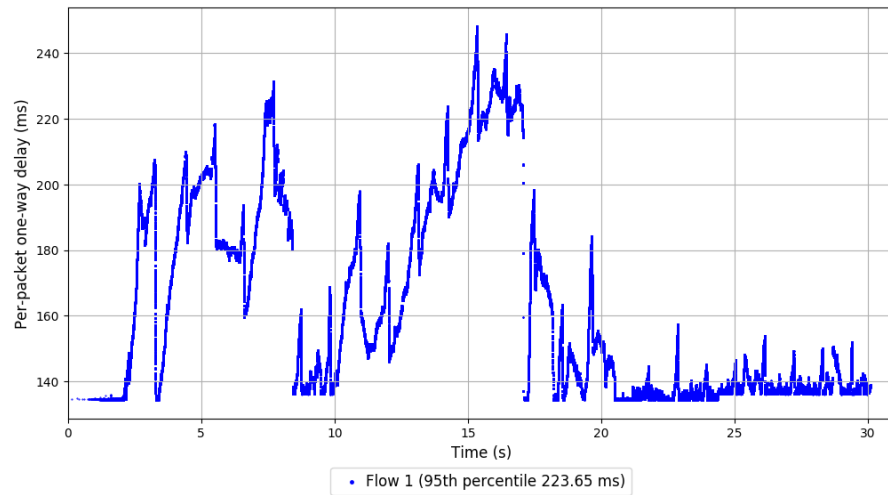
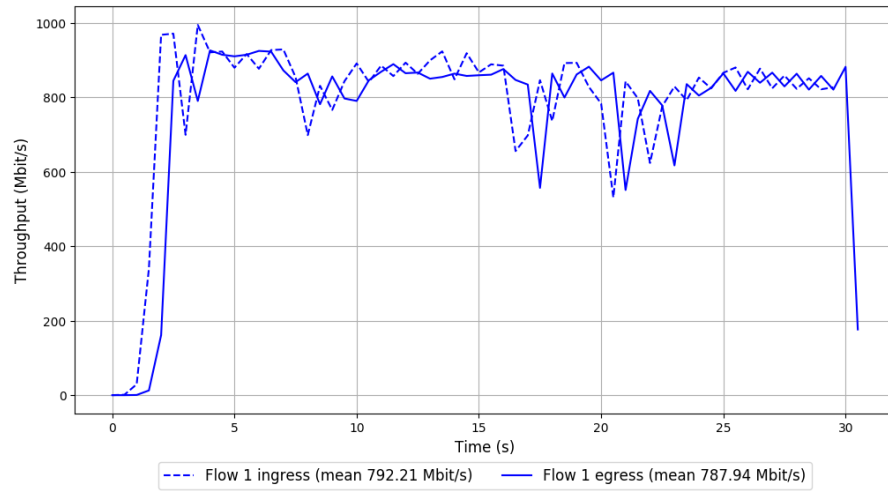


Run 4: Statistics of FillP

Start at: 2018-07-19 00:04:52
End at: 2018-07-19 00:05:22
Local clock offset: -0.116 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-19 03:11:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 787.94 Mbit/s
95th percentile per-packet one-way delay: 223.648 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 787.94 Mbit/s
95th percentile per-packet one-way delay: 223.648 ms
Loss rate: 0.53%

Run 4: Report of FillP — Data Link

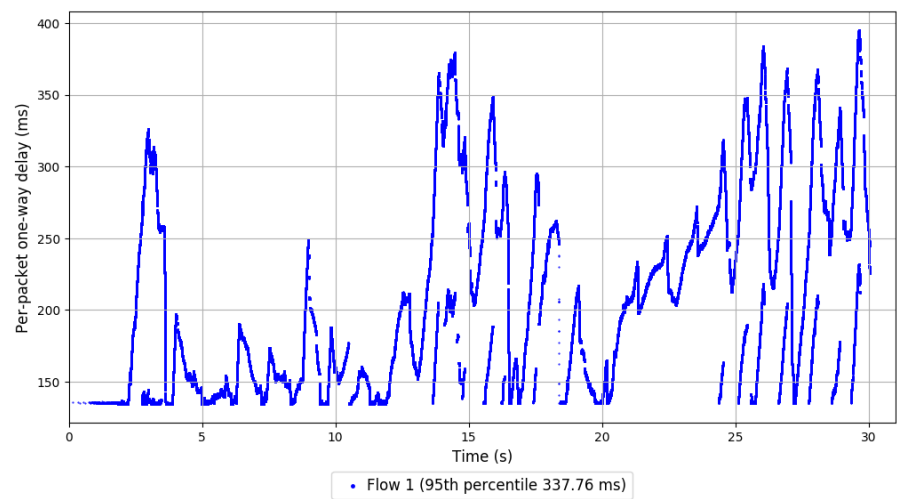
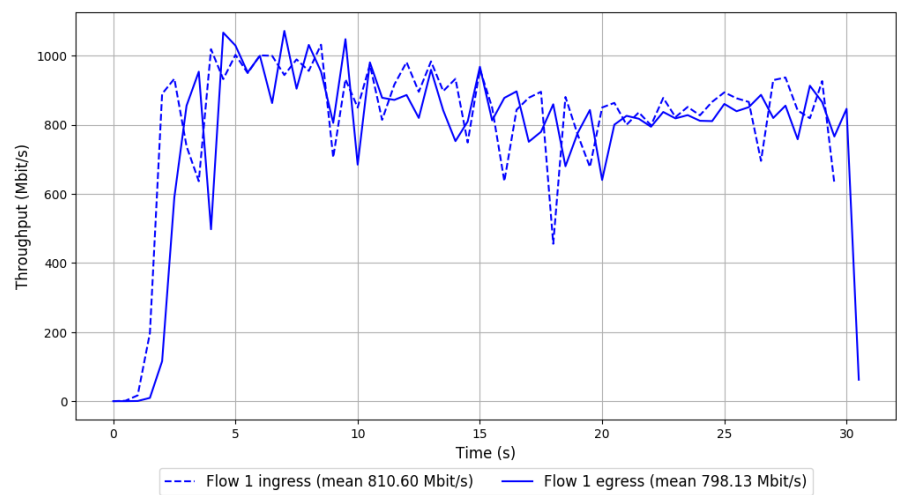


Run 5: Statistics of FillP

Start at: 2018-07-19 00:27:44
End at: 2018-07-19 00:28:14
Local clock offset: -0.277 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2018-07-19 03:11:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 798.13 Mbit/s
95th percentile per-packet one-way delay: 337.759 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 798.13 Mbit/s
95th percentile per-packet one-way delay: 337.759 ms
Loss rate: 1.53%

Run 5: Report of FillP — Data Link

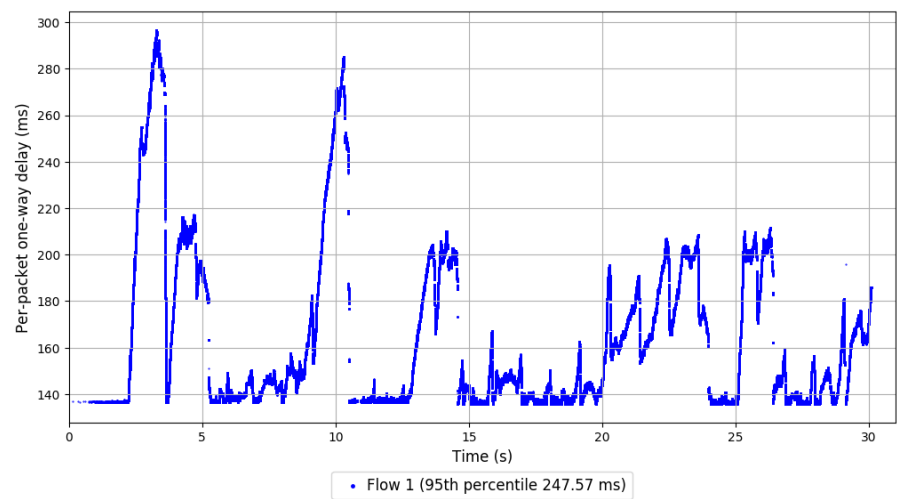
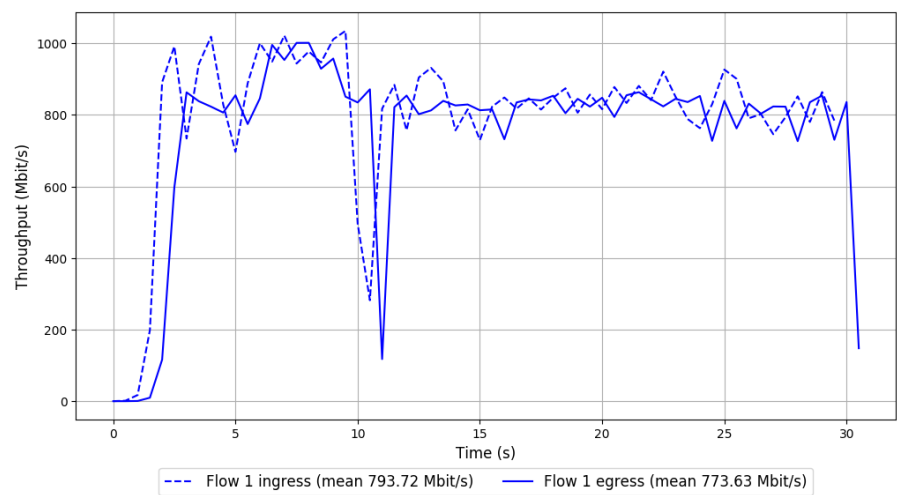


Run 6: Statistics of FillP

Start at: 2018-07-19 00:50:43
End at: 2018-07-19 00:51:13
Local clock offset: -0.525 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-07-19 03:11:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 773.63 Mbit/s
95th percentile per-packet one-way delay: 247.571 ms
Loss rate: 2.53%
-- Flow 1:
Average throughput: 773.63 Mbit/s
95th percentile per-packet one-way delay: 247.571 ms
Loss rate: 2.53%

Run 6: Report of FillP — Data Link

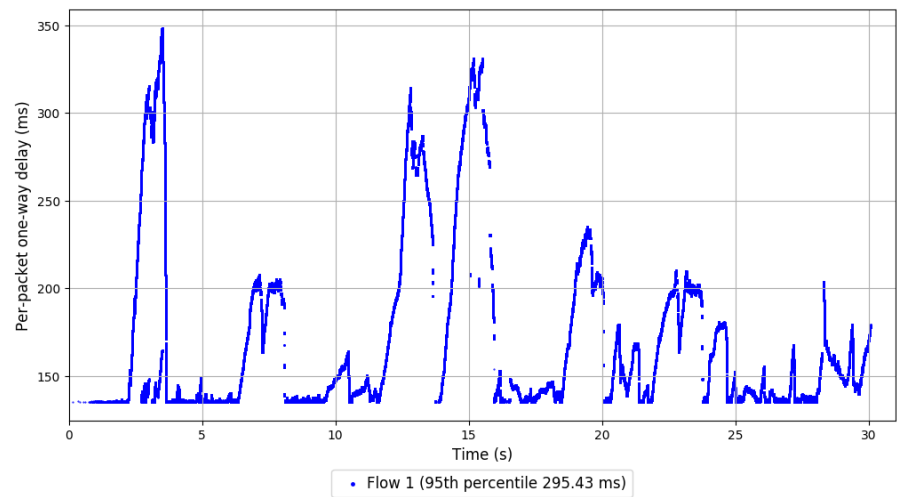
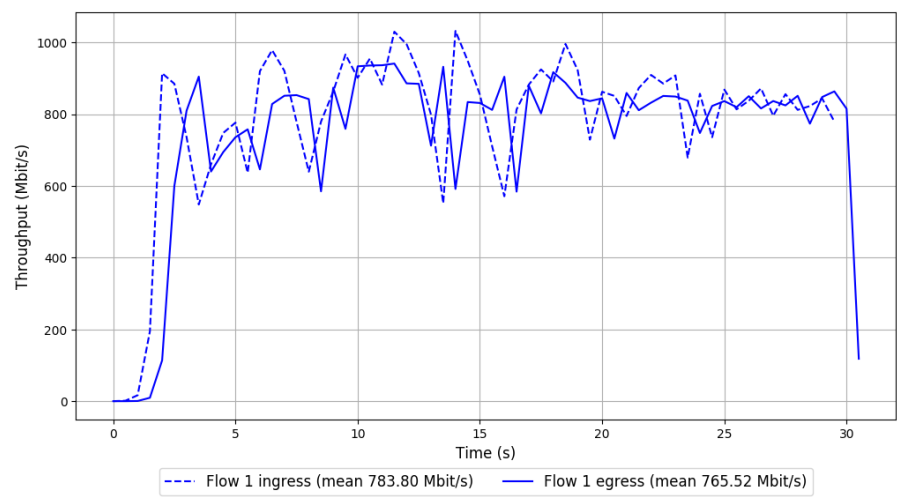


Run 7: Statistics of FillP

Start at: 2018-07-19 01:13:21
End at: 2018-07-19 01:13:51
Local clock offset: -0.247 ms
Remote clock offset: -0.333 ms

Below is generated by plot.py at 2018-07-19 03:11:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 765.52 Mbit/s
95th percentile per-packet one-way delay: 295.426 ms
Loss rate: 2.33%
-- Flow 1:
Average throughput: 765.52 Mbit/s
95th percentile per-packet one-way delay: 295.426 ms
Loss rate: 2.33%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-19 01:36:02

End at: 2018-07-19 01:36:33

Local clock offset: -0.445 ms

Remote clock offset: 0.299 ms

Below is generated by plot.py at 2018-07-19 03:17:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 806.03 Mbit/s

95th percentile per-packet one-way delay: 298.658 ms

Loss rate: 1.68%

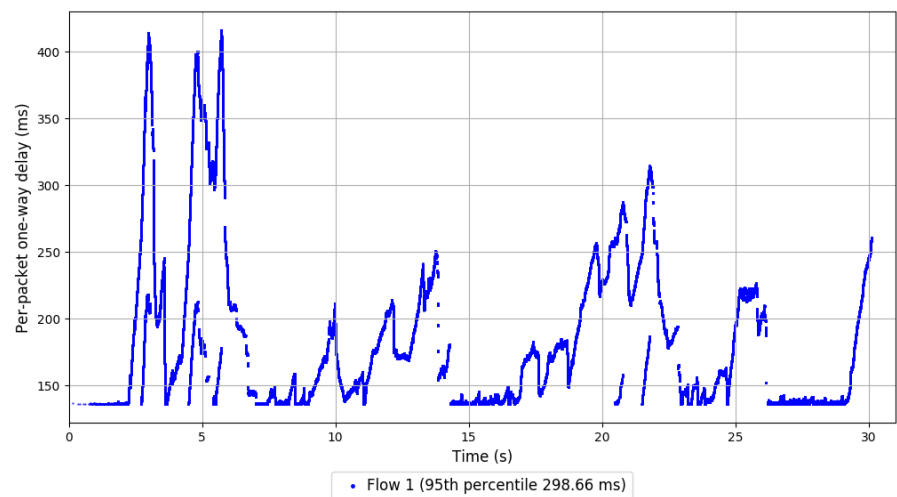
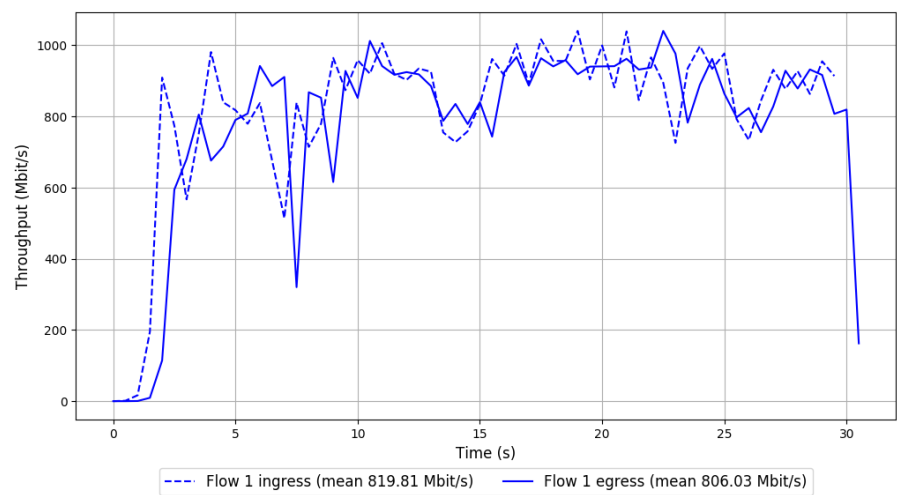
-- Flow 1:

Average throughput: 806.03 Mbit/s

95th percentile per-packet one-way delay: 298.658 ms

Loss rate: 1.68%

Run 8: Report of FillP — Data Link

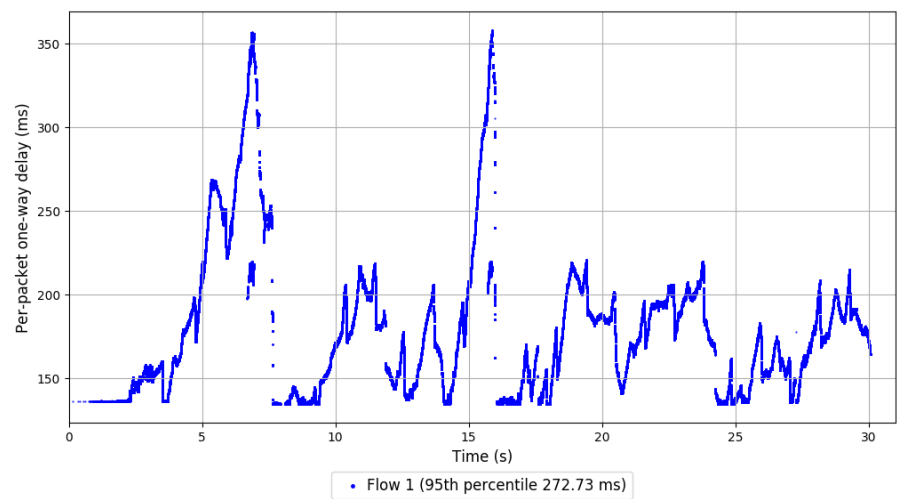
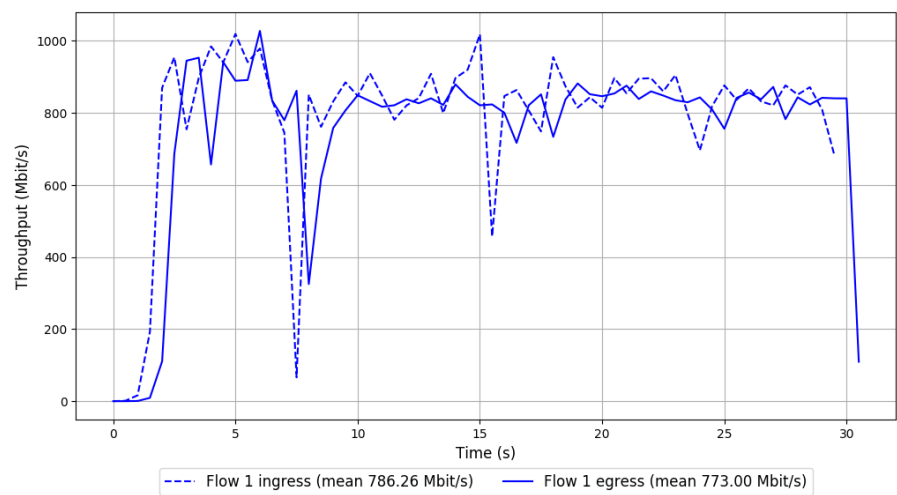


Run 9: Statistics of FillP

Start at: 2018-07-19 01:59:11
End at: 2018-07-19 01:59:41
Local clock offset: 0.043 ms
Remote clock offset: -0.139 ms

Below is generated by plot.py at 2018-07-19 03:27:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 773.00 Mbit/s
95th percentile per-packet one-way delay: 272.727 ms
Loss rate: 1.68%
-- Flow 1:
Average throughput: 773.00 Mbit/s
95th percentile per-packet one-way delay: 272.727 ms
Loss rate: 1.68%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-19 02:22:16

End at: 2018-07-19 02:22:46

Local clock offset: 0.125 ms

Remote clock offset: -0.18 ms

Below is generated by plot.py at 2018-07-19 03:27:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 149.79 Mbit/s

95th percentile per-packet one-way delay: 398.489 ms

Loss rate: 4.59%

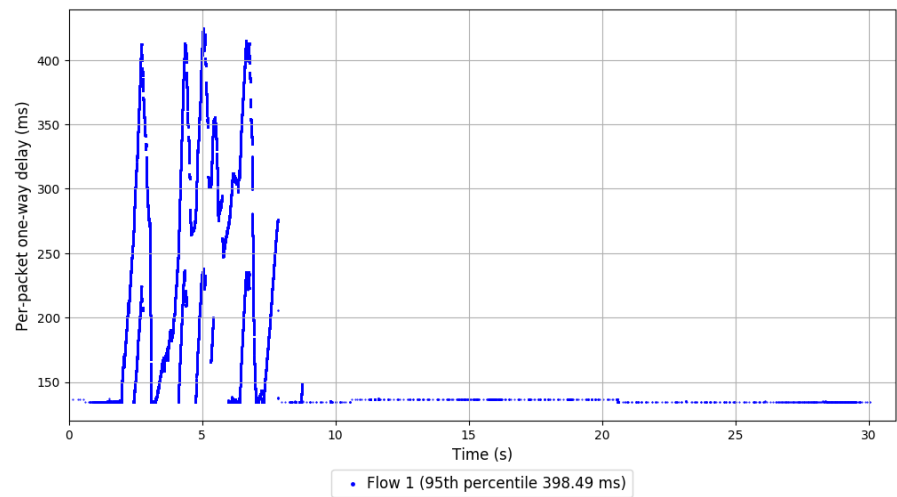
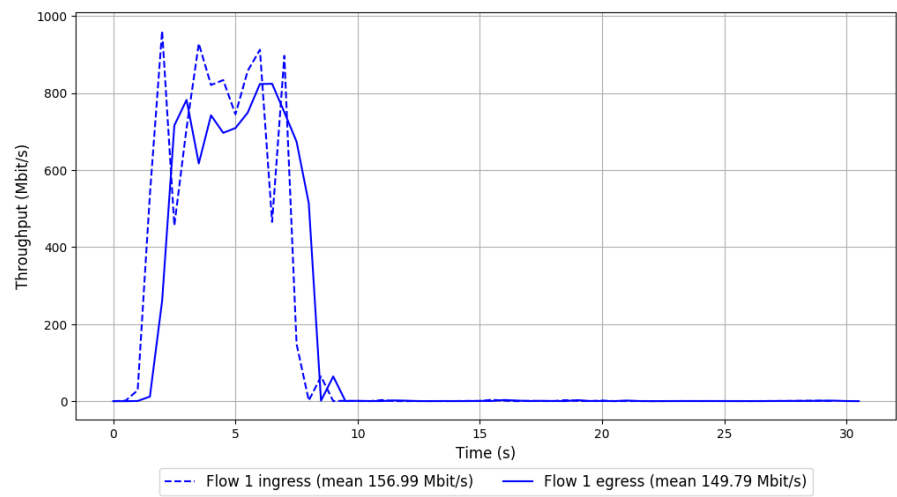
-- Flow 1:

Average throughput: 149.79 Mbit/s

95th percentile per-packet one-way delay: 398.489 ms

Loss rate: 4.59%

Run 10: Report of FillP — Data Link

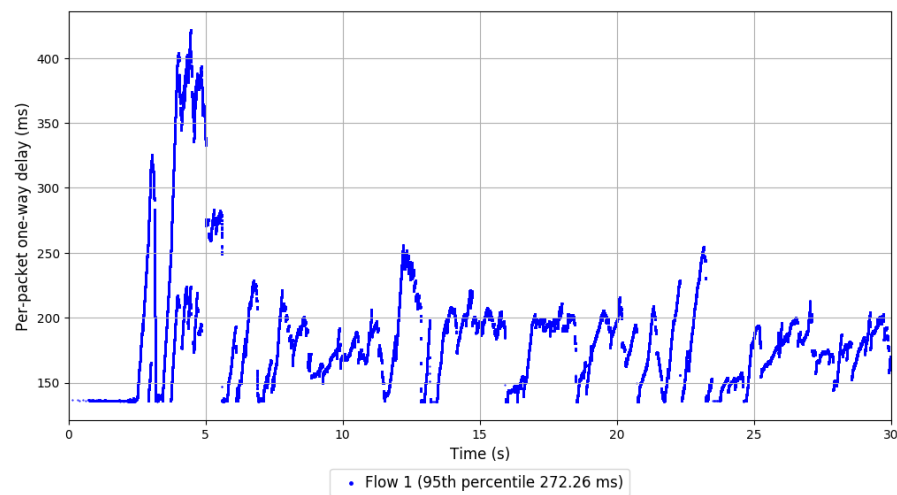
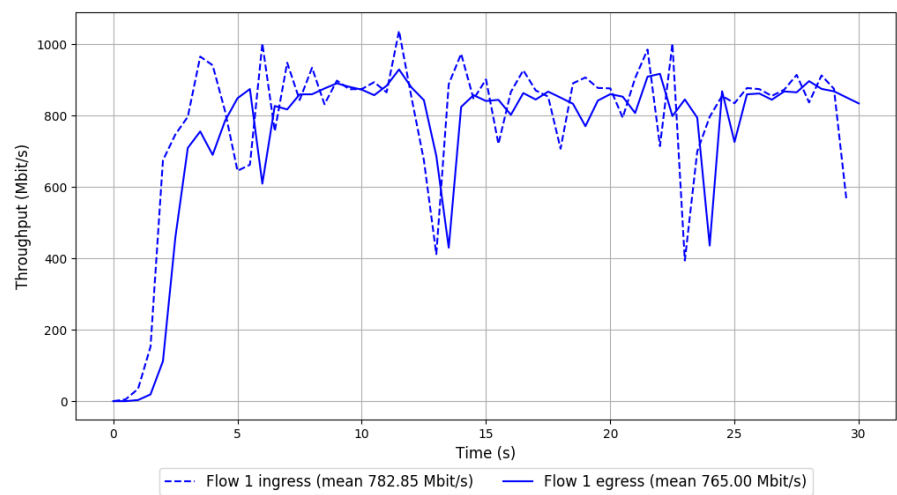


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-18 23:06:45
End at: 2018-07-18 23:07:15
Local clock offset: -0.265 ms
Remote clock offset: -0.465 ms

Below is generated by plot.py at 2018-07-19 03:27:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 765.00 Mbit/s
95th percentile per-packet one-way delay: 272.257 ms
Loss rate: 2.28%
-- Flow 1:
Average throughput: 765.00 Mbit/s
95th percentile per-packet one-way delay: 272.257 ms
Loss rate: 2.28%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-18 23:29:30

End at: 2018-07-18 23:30:00

Local clock offset: -0.313 ms

Remote clock offset: 0.299 ms

Below is generated by plot.py at 2018-07-19 03:28:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 767.08 Mbit/s

95th percentile per-packet one-way delay: 210.632 ms

Loss rate: 1.77%

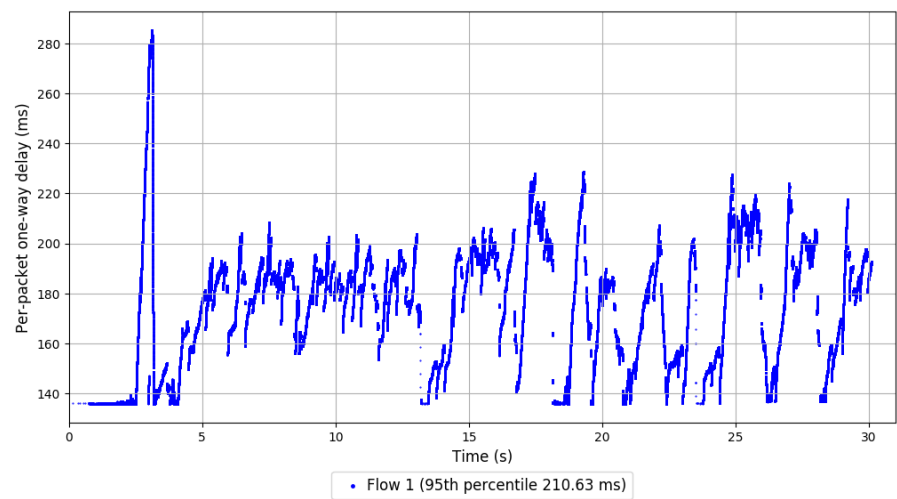
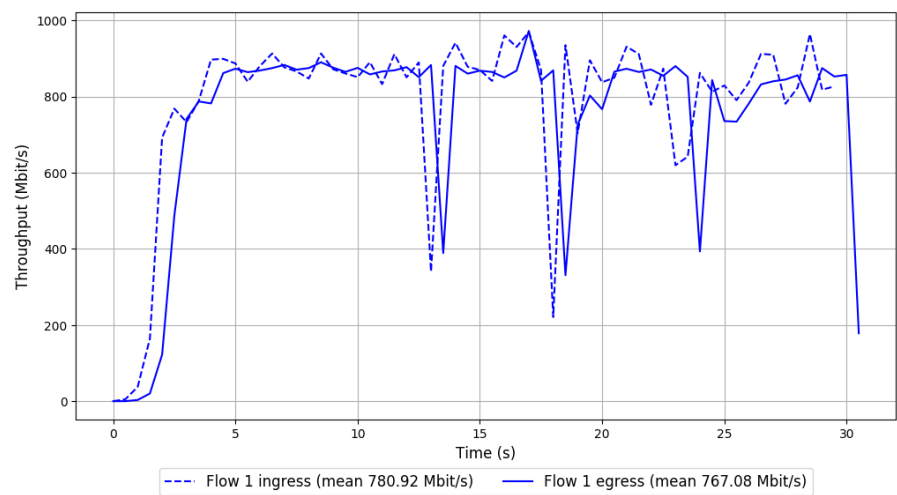
-- Flow 1:

Average throughput: 767.08 Mbit/s

95th percentile per-packet one-way delay: 210.632 ms

Loss rate: 1.77%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-18 23:52:04

End at: 2018-07-18 23:52:34

Local clock offset: -0.135 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-19 03:28:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 769.26 Mbit/s

95th percentile per-packet one-way delay: 205.953 ms

Loss rate: 2.13%

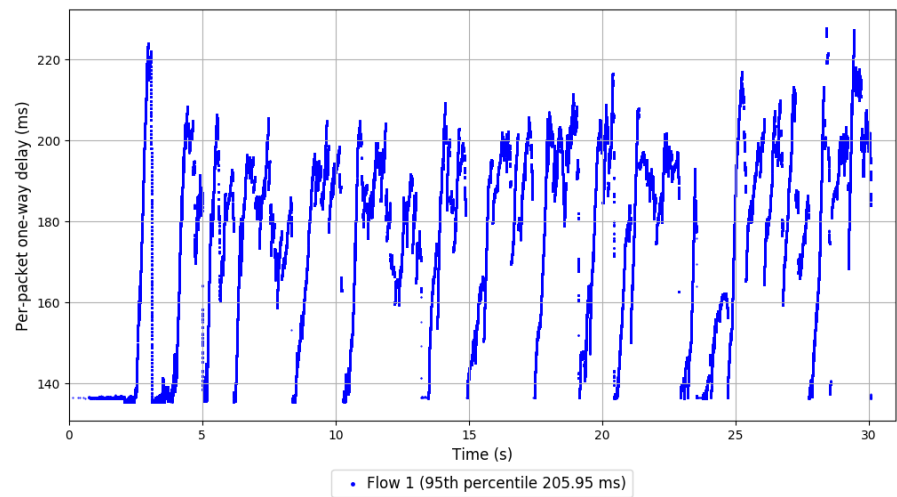
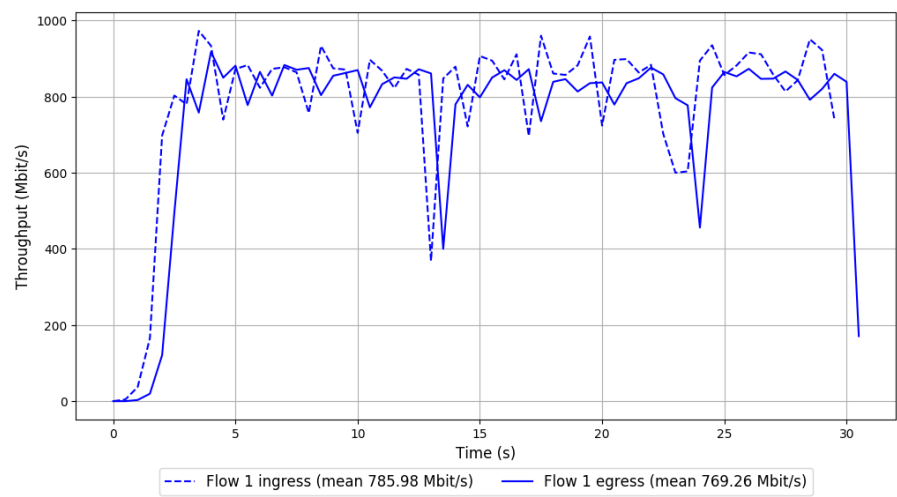
-- Flow 1:

Average throughput: 769.26 Mbit/s

95th percentile per-packet one-way delay: 205.953 ms

Loss rate: 2.13%

Run 3: Report of FillP-Sheep — Data Link

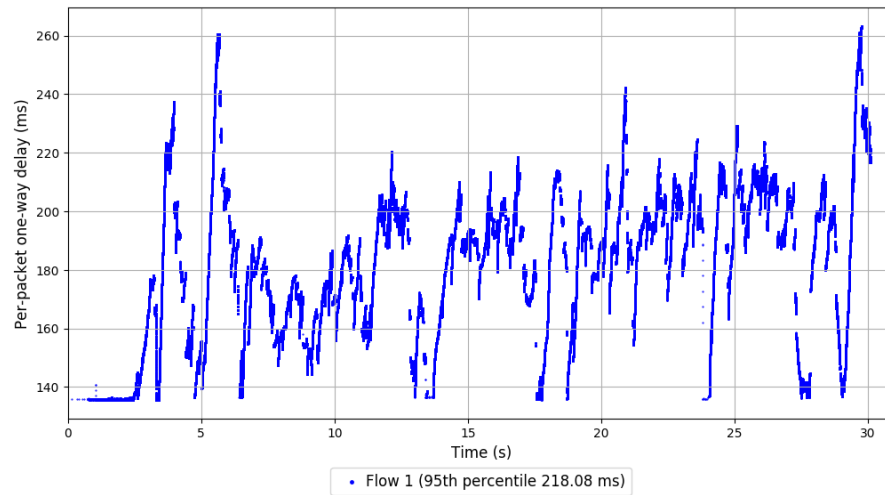
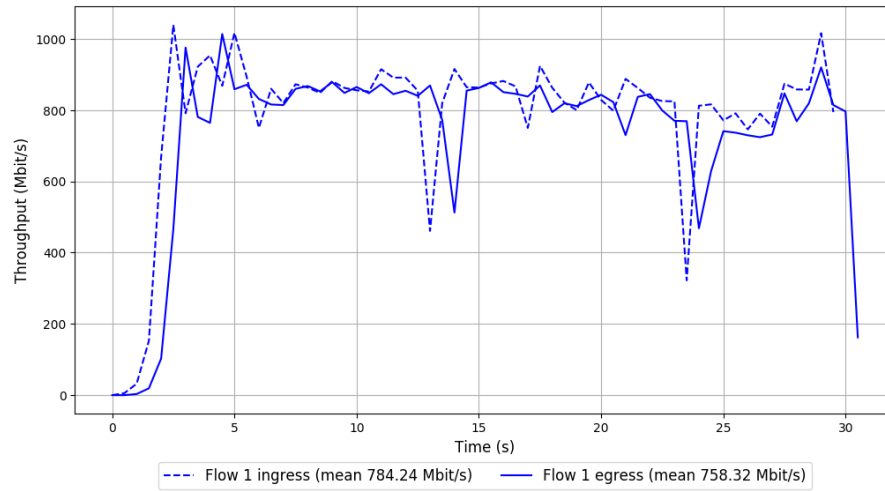


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-19 00:15:12
End at: 2018-07-19 00:15:42
Local clock offset: -0.305 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-07-19 03:28:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 758.32 Mbit/s
95th percentile per-packet one-way delay: 218.082 ms
Loss rate: 3.30%
-- Flow 1:
Average throughput: 758.32 Mbit/s
95th percentile per-packet one-way delay: 218.082 ms
Loss rate: 3.30%

Run 4: Report of FillP-Sheep — Data Link

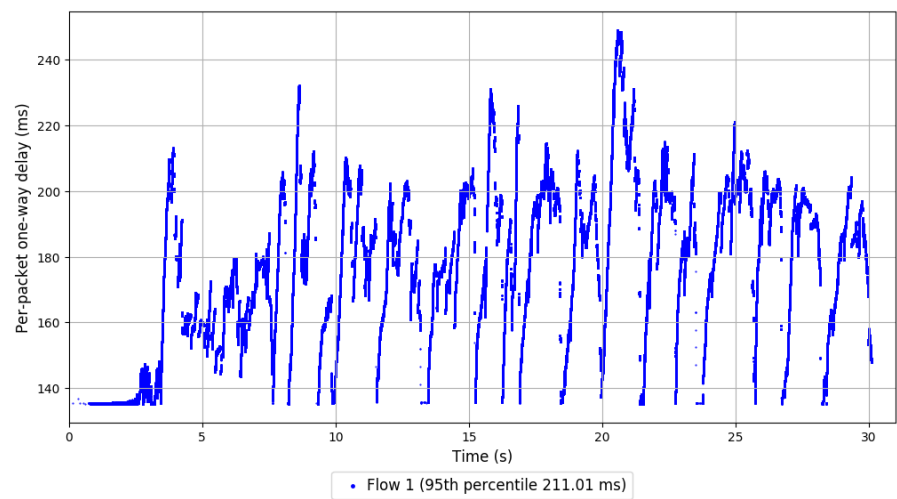
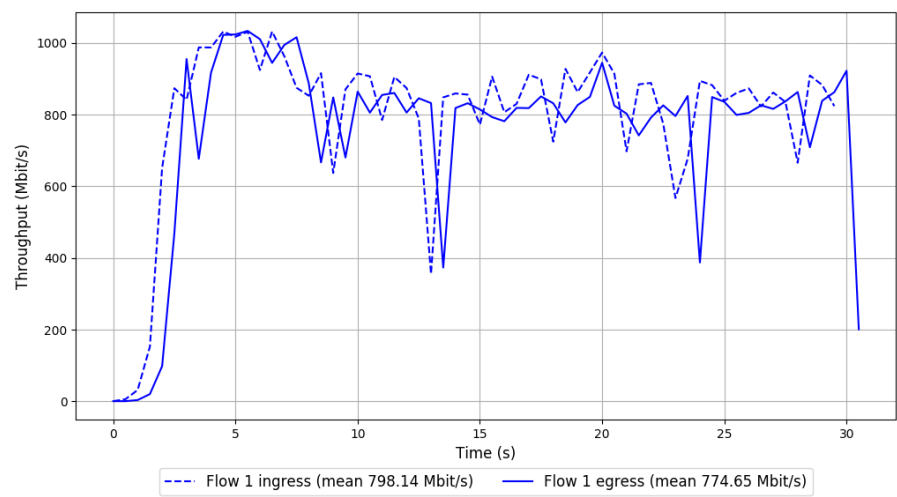


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-19 00:37:46
End at: 2018-07-19 00:38:16
Local clock offset: -0.328 ms
Remote clock offset: -0.521 ms

Below is generated by plot.py at 2018-07-19 03:28:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 774.65 Mbit/s
95th percentile per-packet one-way delay: 211.007 ms
Loss rate: 2.94%
-- Flow 1:
Average throughput: 774.65 Mbit/s
95th percentile per-packet one-way delay: 211.007 ms
Loss rate: 2.94%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-19 01:00:45

End at: 2018-07-19 01:01:15

Local clock offset: -0.248 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-07-19 03:30:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 758.33 Mbit/s

95th percentile per-packet one-way delay: 210.119 ms

Loss rate: 1.15%

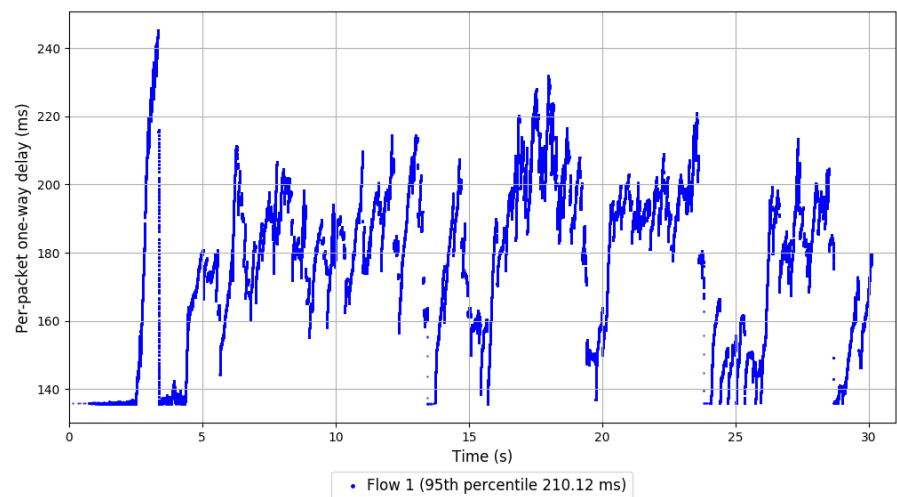
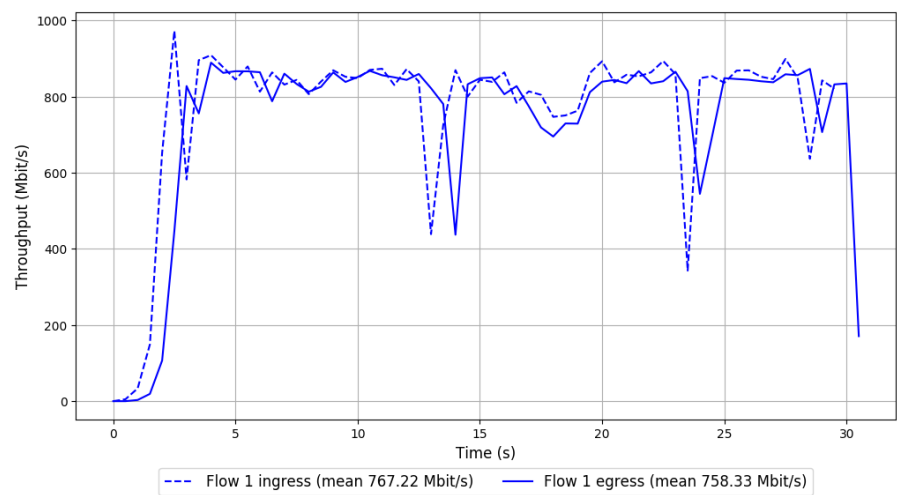
-- Flow 1:

Average throughput: 758.33 Mbit/s

95th percentile per-packet one-way delay: 210.119 ms

Loss rate: 1.15%

Run 6: Report of FillP-Sheep — Data Link

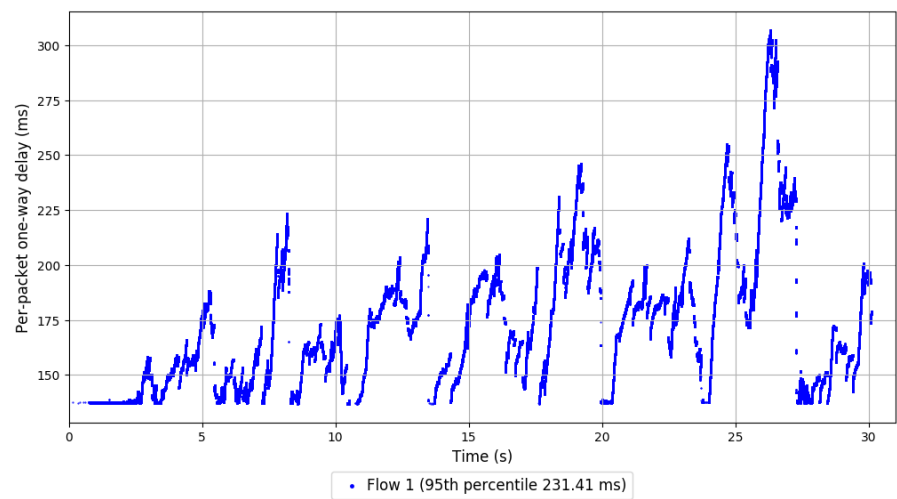
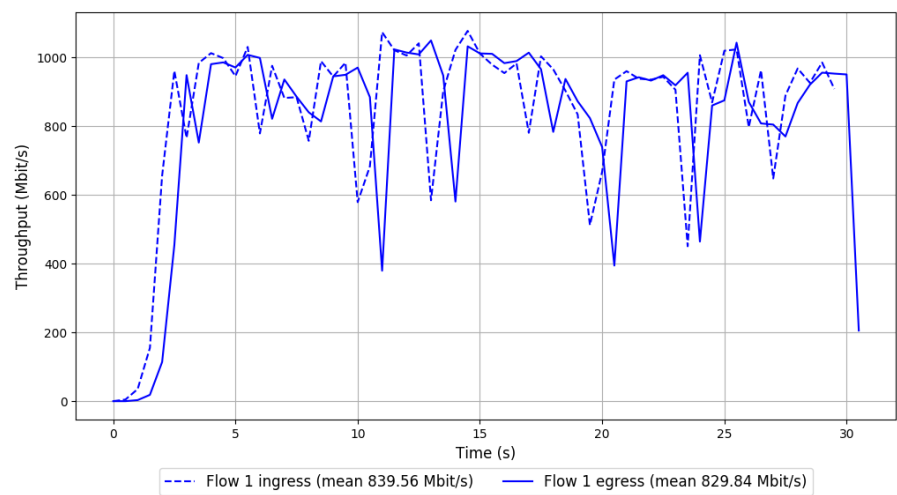


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-19 01:23:18
End at: 2018-07-19 01:23:48
Local clock offset: -0.603 ms
Remote clock offset: 0.301 ms

Below is generated by plot.py at 2018-07-19 03:39:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 829.84 Mbit/s
95th percentile per-packet one-way delay: 231.415 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 829.84 Mbit/s
95th percentile per-packet one-way delay: 231.415 ms
Loss rate: 1.16%

Run 7: Report of FillP-Sheep — Data Link

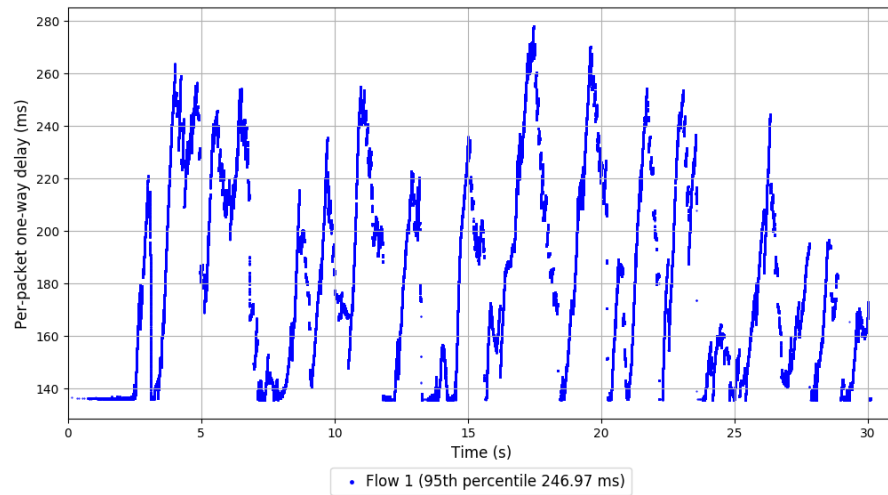
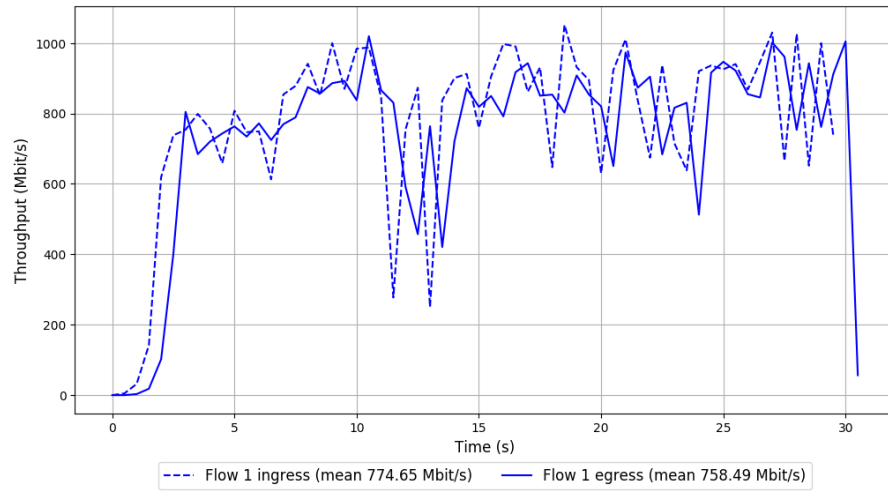


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-19 01:46:19
End at: 2018-07-19 01:46:49
Local clock offset: -0.321 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-19 03:45:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 758.49 Mbit/s
95th percentile per-packet one-way delay: 246.975 ms
Loss rate: 2.09%
-- Flow 1:
Average throughput: 758.49 Mbit/s
95th percentile per-packet one-way delay: 246.975 ms
Loss rate: 2.09%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-19 02:09:12

End at: 2018-07-19 02:09:42

Local clock offset: 0.083 ms

Remote clock offset: -0.164 ms

Below is generated by plot.py at 2018-07-19 03:45:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 793.87 Mbit/s

95th percentile per-packet one-way delay: 206.609 ms

Loss rate: 0.35%

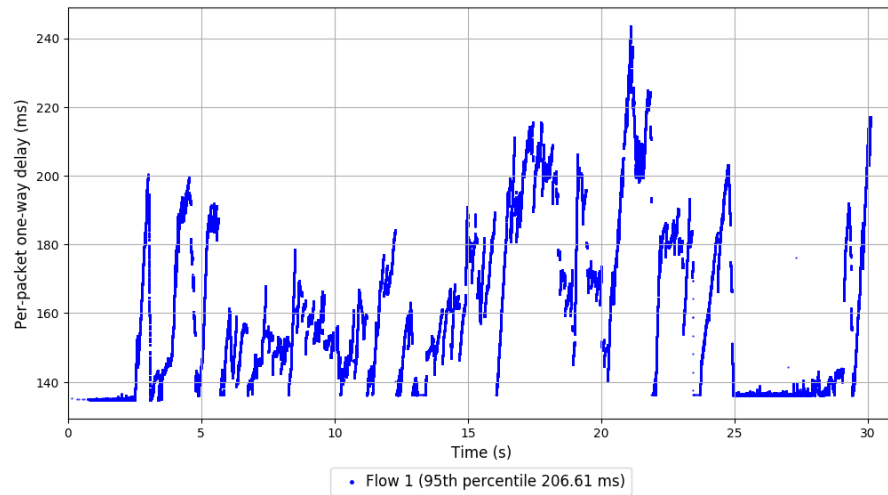
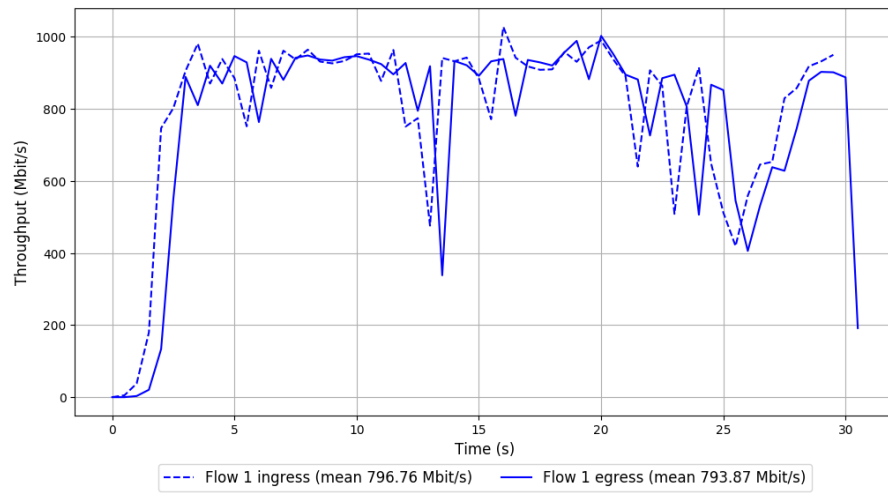
-- Flow 1:

Average throughput: 793.87 Mbit/s

95th percentile per-packet one-way delay: 206.609 ms

Loss rate: 0.35%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-19 02:32:06

End at: 2018-07-19 02:32:36

Local clock offset: 0.084 ms

Remote clock offset: 0.257 ms

Below is generated by plot.py at 2018-07-19 03:46:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 815.04 Mbit/s

95th percentile per-packet one-way delay: 208.352 ms

Loss rate: 1.26%

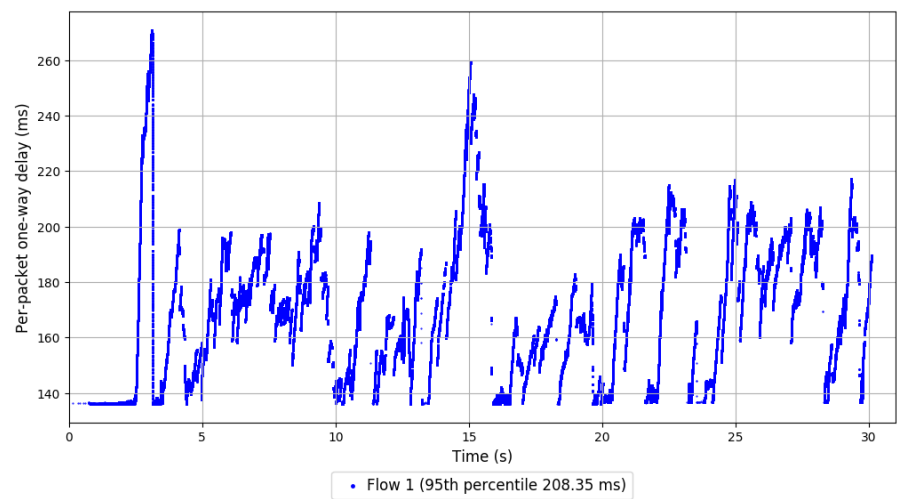
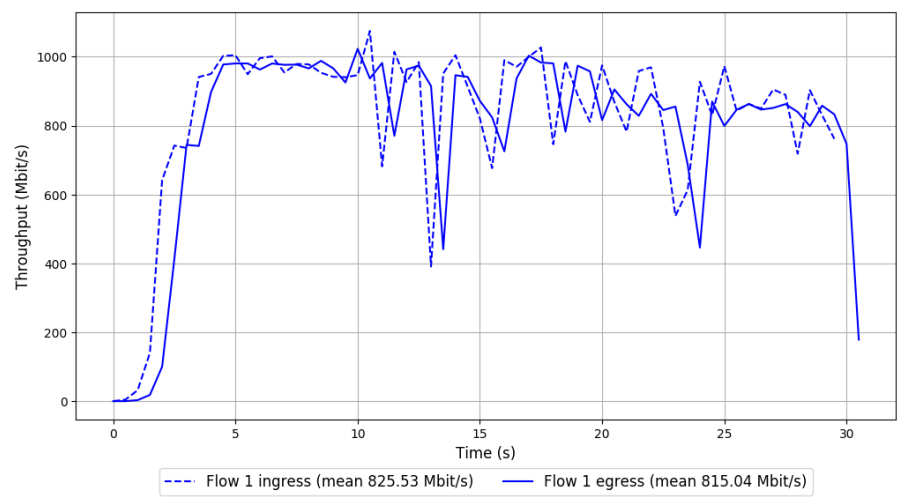
-- Flow 1:

Average throughput: 815.04 Mbit/s

95th percentile per-packet one-way delay: 208.352 ms

Loss rate: 1.26%

Run 10: Report of FillP-Sheep — Data Link

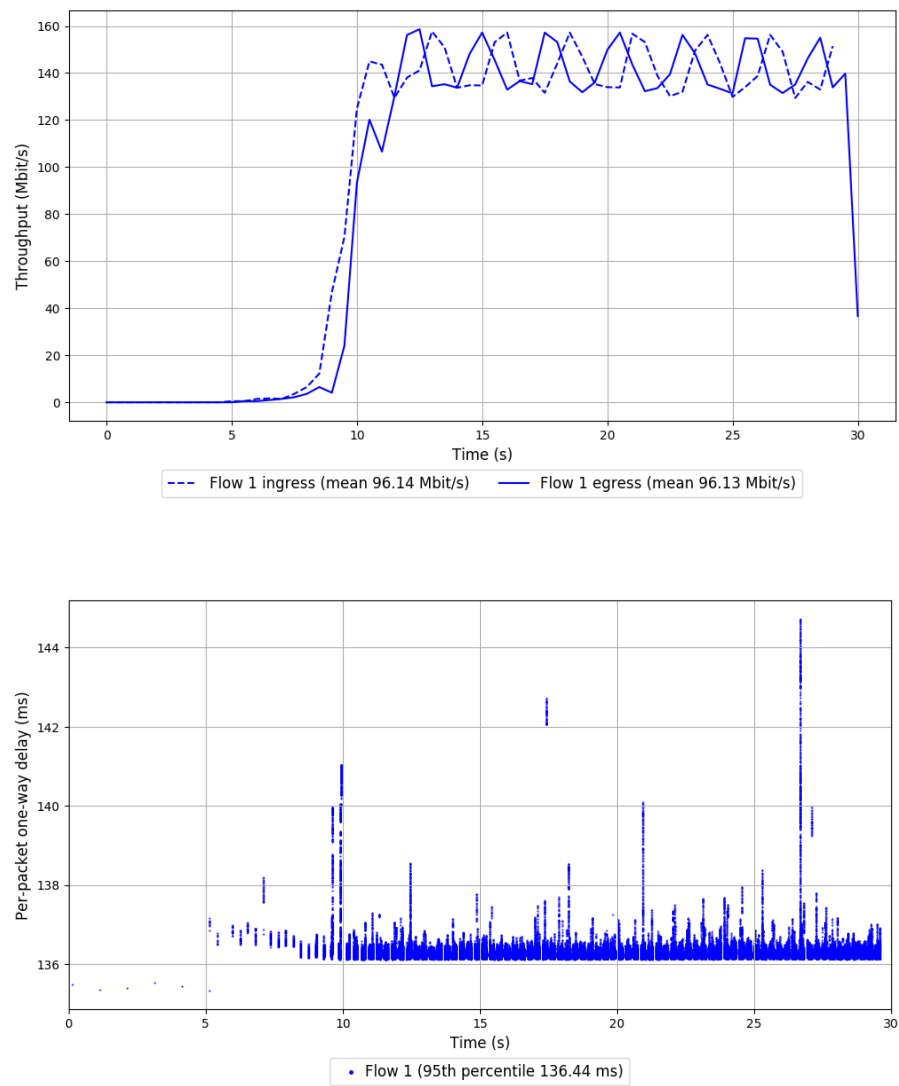


```
Run 1: Statistics of Indigo

Start at: 2018-07-18 22:50:57
End at: 2018-07-18 22:51:27
Local clock offset: -0.126 ms
Remote clock offset: -0.204 ms

# Below is generated by plot.py at 2018-07-19 03:46:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.13 Mbit/s
95th percentile per-packet one-way delay: 136.442 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.13 Mbit/s
95th percentile per-packet one-way delay: 136.442 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

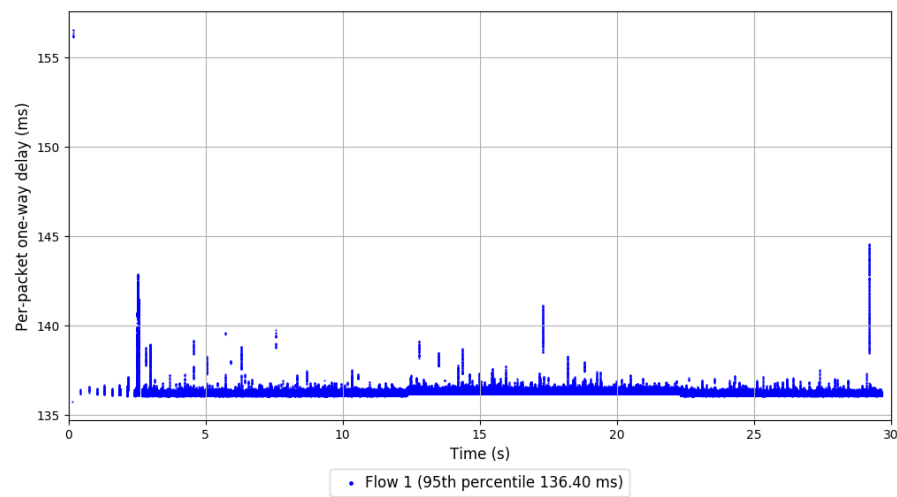
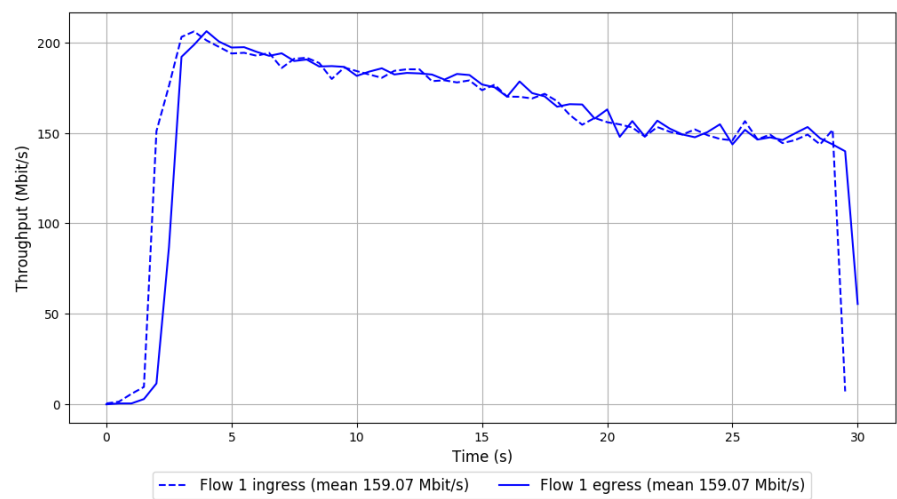


Run 2: Statistics of Indigo

Start at: 2018-07-18 23:14:03
End at: 2018-07-18 23:14:33
Local clock offset: -0.108 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-07-19 03:46:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 159.07 Mbit/s
95th percentile per-packet one-way delay: 136.399 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 159.07 Mbit/s
95th percentile per-packet one-way delay: 136.399 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-18 23:36:46

End at: 2018-07-18 23:37:16

Local clock offset: -0.27 ms

Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-07-19 03:46:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 153.01 Mbit/s

95th percentile per-packet one-way delay: 136.566 ms

Loss rate: 0.00%

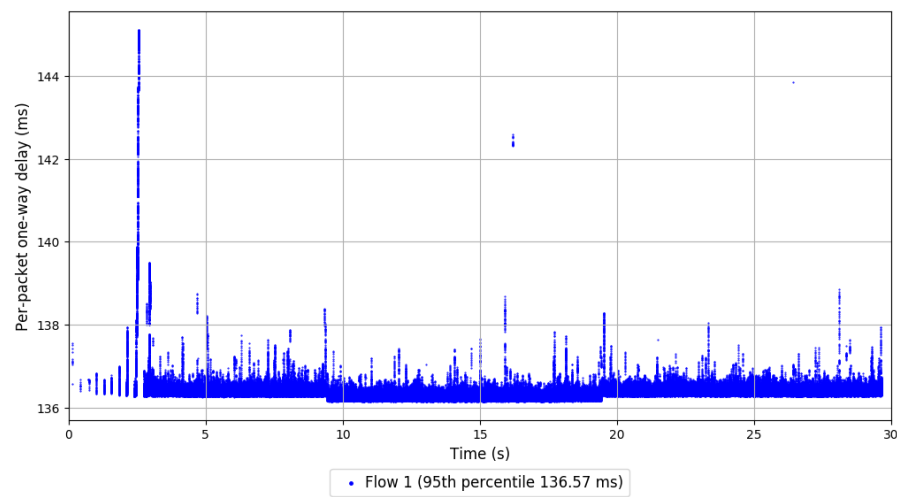
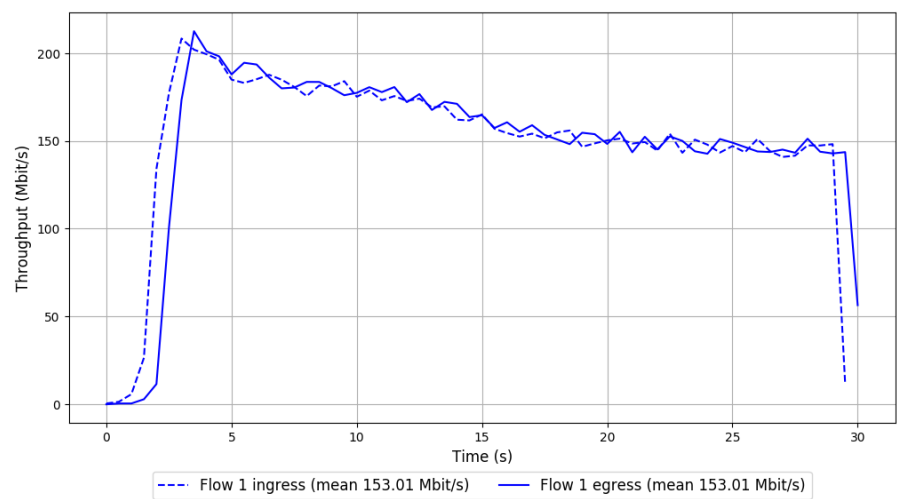
-- Flow 1:

Average throughput: 153.01 Mbit/s

95th percentile per-packet one-way delay: 136.566 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-18 23:59:26

End at: 2018-07-18 23:59:56

Local clock offset: -0.328 ms

Remote clock offset: 0.342 ms

Below is generated by plot.py at 2018-07-19 03:46:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 167.81 Mbit/s

95th percentile per-packet one-way delay: 136.918 ms

Loss rate: 0.00%

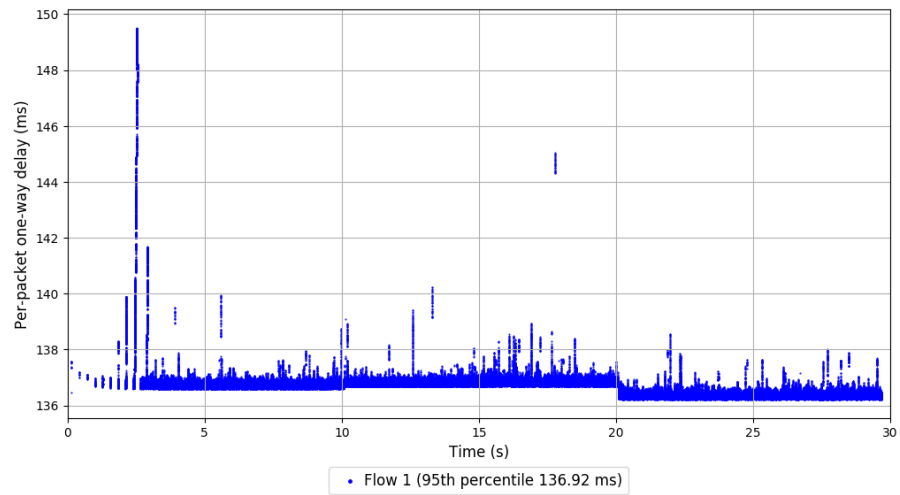
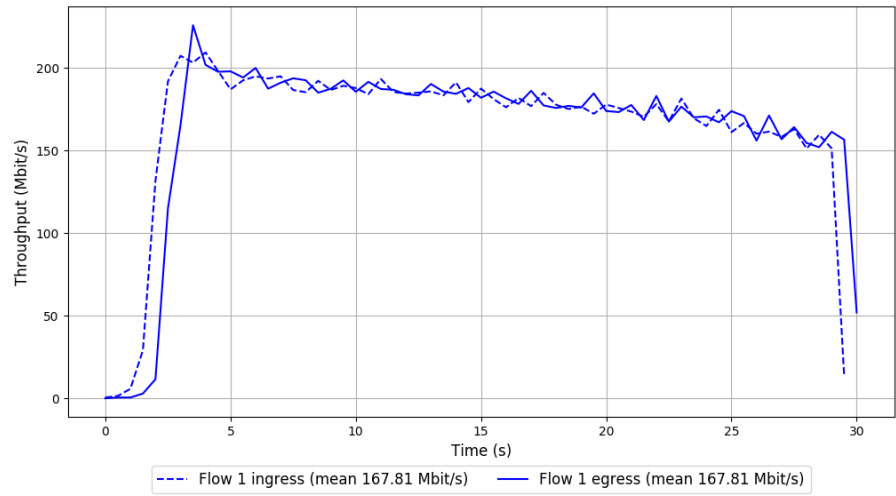
-- Flow 1:

Average throughput: 167.81 Mbit/s

95th percentile per-packet one-way delay: 136.918 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-19 00:22:30

End at: 2018-07-19 00:23:00

Local clock offset: -0.082 ms

Remote clock offset: 0.232 ms

Below is generated by plot.py at 2018-07-19 03:46:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 163.22 Mbit/s

95th percentile per-packet one-way delay: 136.577 ms

Loss rate: 0.00%

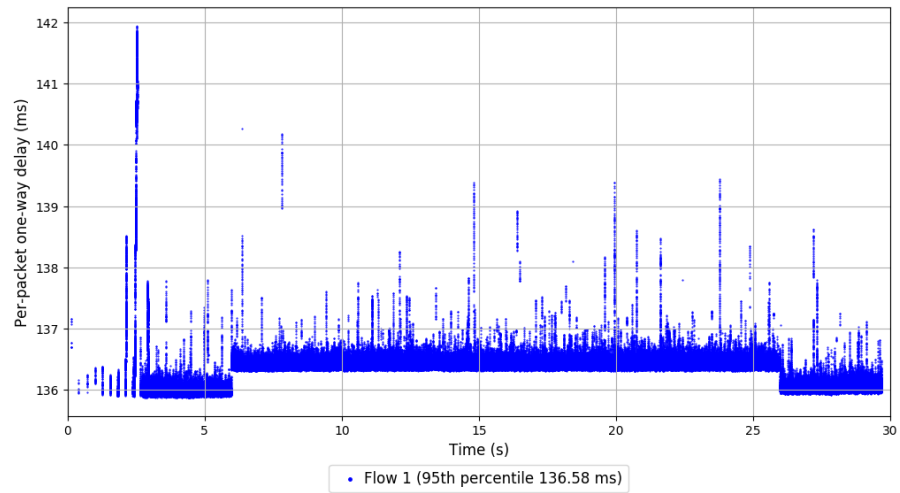
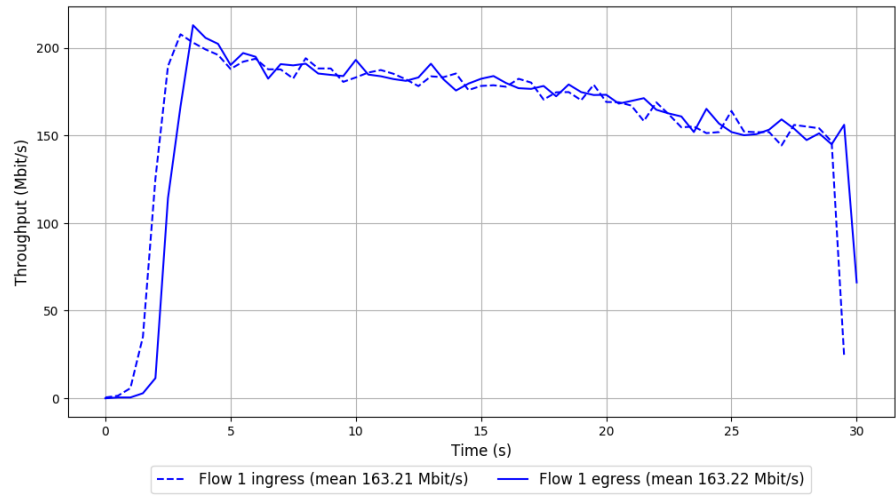
-- Flow 1:

Average throughput: 163.22 Mbit/s

95th percentile per-packet one-way delay: 136.577 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-19 00:45:25

End at: 2018-07-19 00:45:55

Local clock offset: -0.509 ms

Remote clock offset: 0.276 ms

Below is generated by plot.py at 2018-07-19 03:46:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 163.04 Mbit/s

95th percentile per-packet one-way delay: 136.993 ms

Loss rate: 0.00%

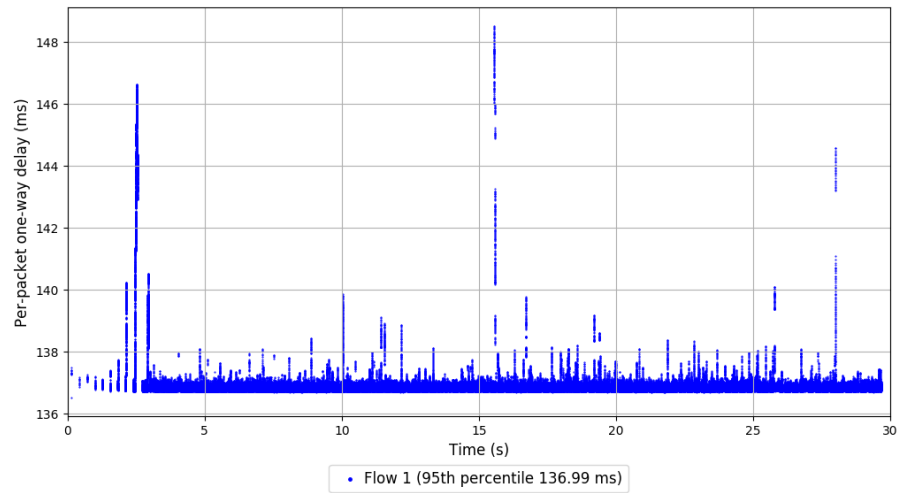
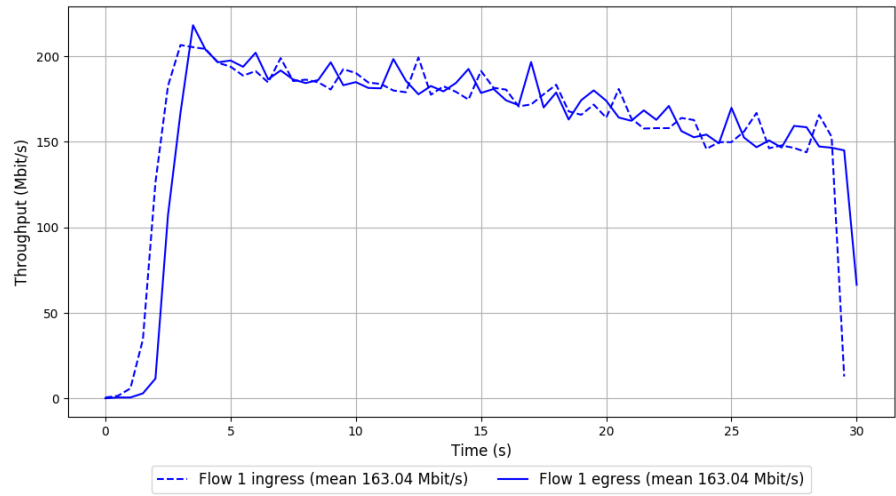
-- Flow 1:

Average throughput: 163.04 Mbit/s

95th percentile per-packet one-way delay: 136.993 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-19 01:07:58

End at: 2018-07-19 01:08:28

Local clock offset: -0.298 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-07-19 03:46:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 160.47 Mbit/s

95th percentile per-packet one-way delay: 136.367 ms

Loss rate: 0.00%

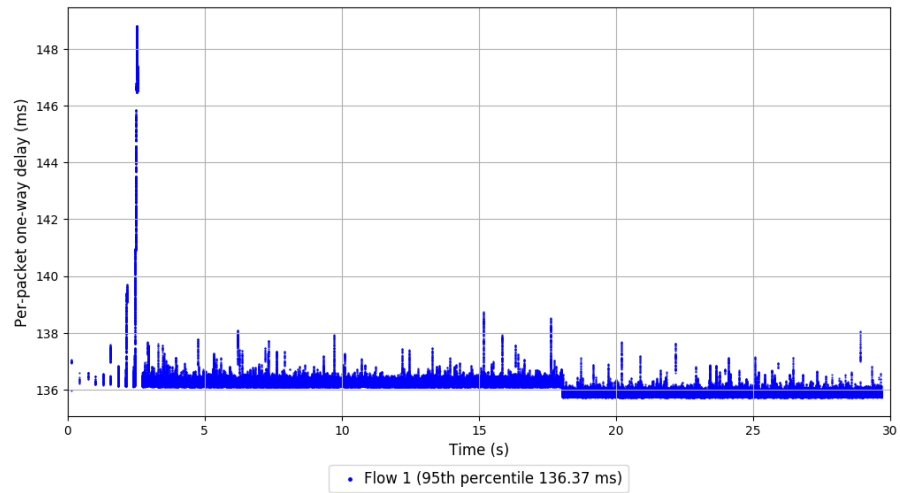
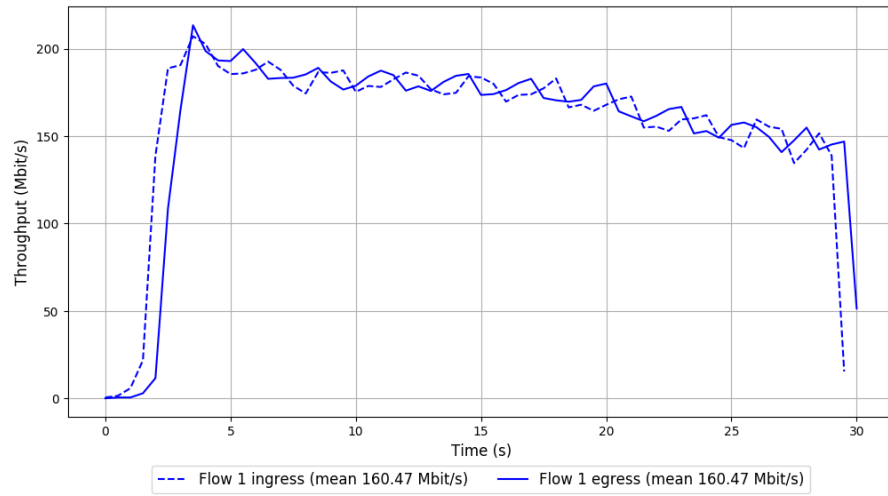
-- Flow 1:

Average throughput: 160.47 Mbit/s

95th percentile per-packet one-way delay: 136.367 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

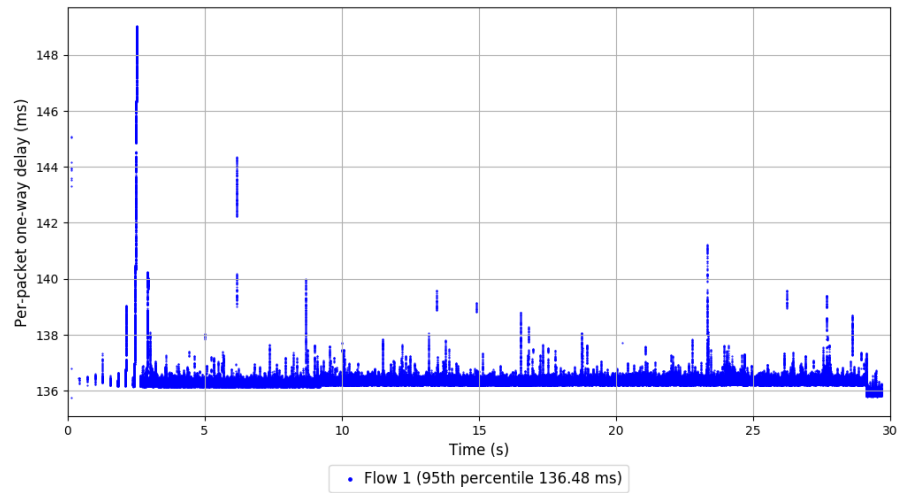
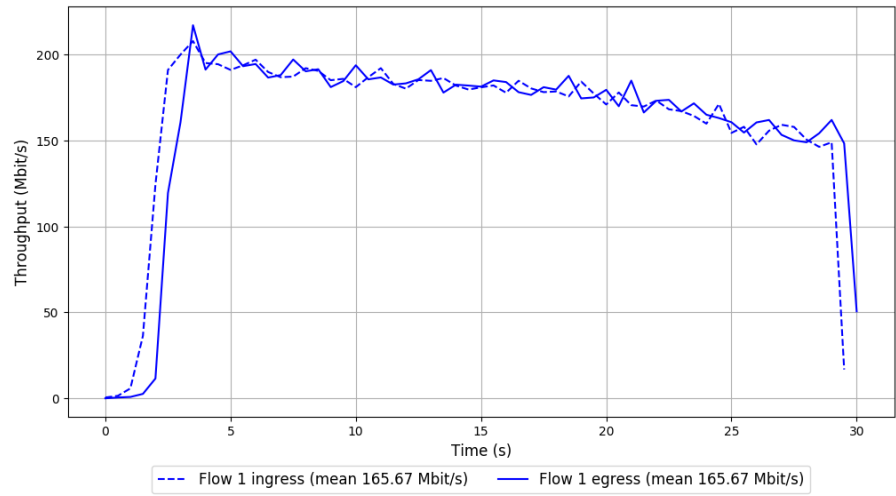


Run 8: Statistics of Indigo

Start at: 2018-07-19 01:30:37
End at: 2018-07-19 01:31:07
Local clock offset: -0.425 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-07-19 03:46:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 165.67 Mbit/s
95th percentile per-packet one-way delay: 136.483 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 165.67 Mbit/s
95th percentile per-packet one-way delay: 136.483 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

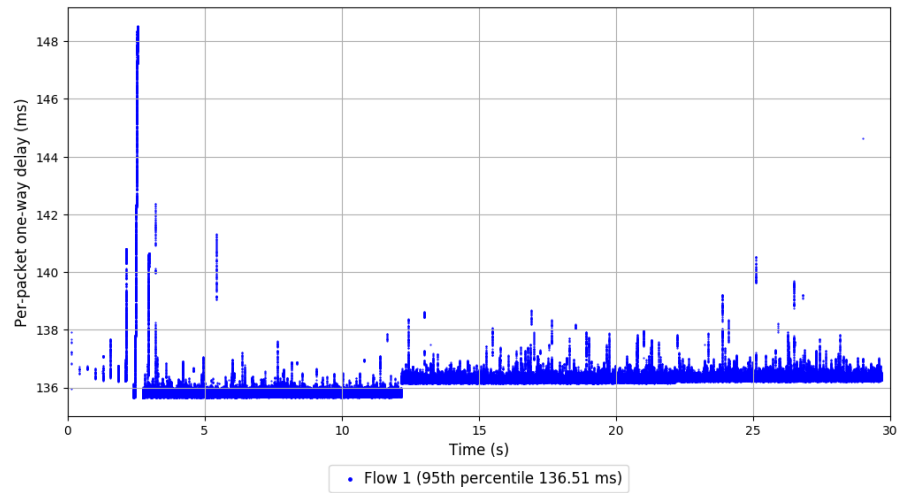
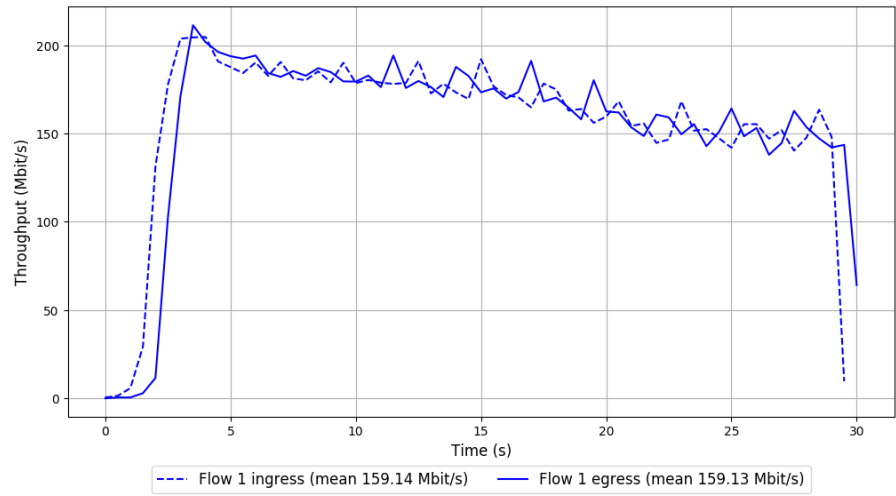


Run 9: Statistics of Indigo

Start at: 2018-07-19 01:53:44
End at: 2018-07-19 01:54:14
Local clock offset: -0.126 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-07-19 03:46:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 159.13 Mbit/s
95th percentile per-packet one-way delay: 136.514 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 159.13 Mbit/s
95th percentile per-packet one-way delay: 136.514 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-19 02:16:34

End at: 2018-07-19 02:17:04

Local clock offset: -0.053 ms

Remote clock offset: -0.169 ms

Below is generated by plot.py at 2018-07-19 03:46:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.34 Mbit/s

95th percentile per-packet one-way delay: 136.768 ms

Loss rate: 0.00%

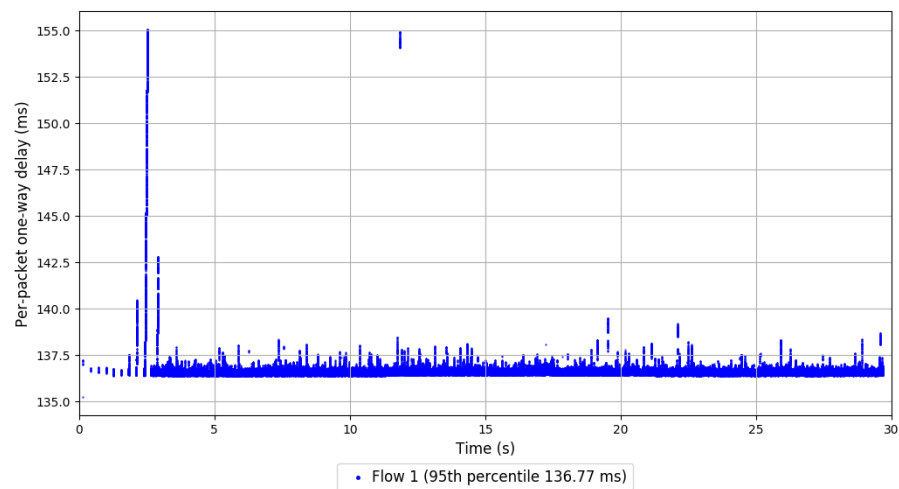
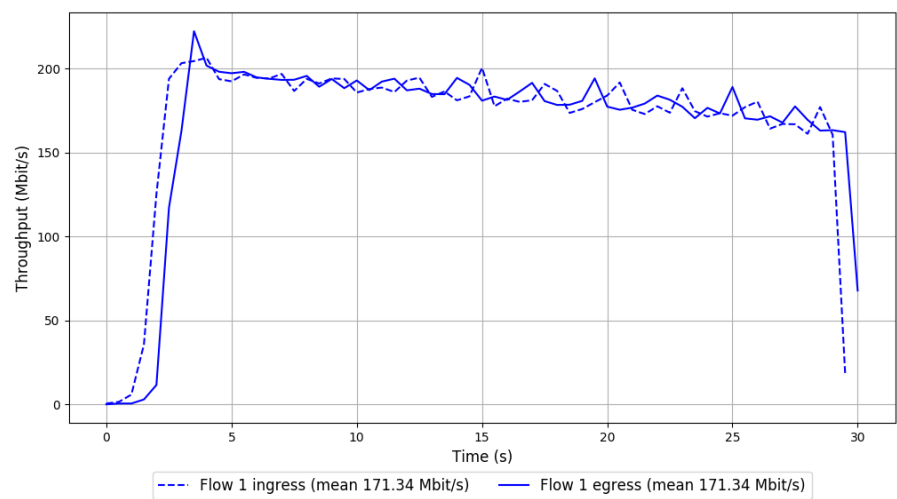
-- Flow 1:

Average throughput: 171.34 Mbit/s

95th percentile per-packet one-way delay: 136.768 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

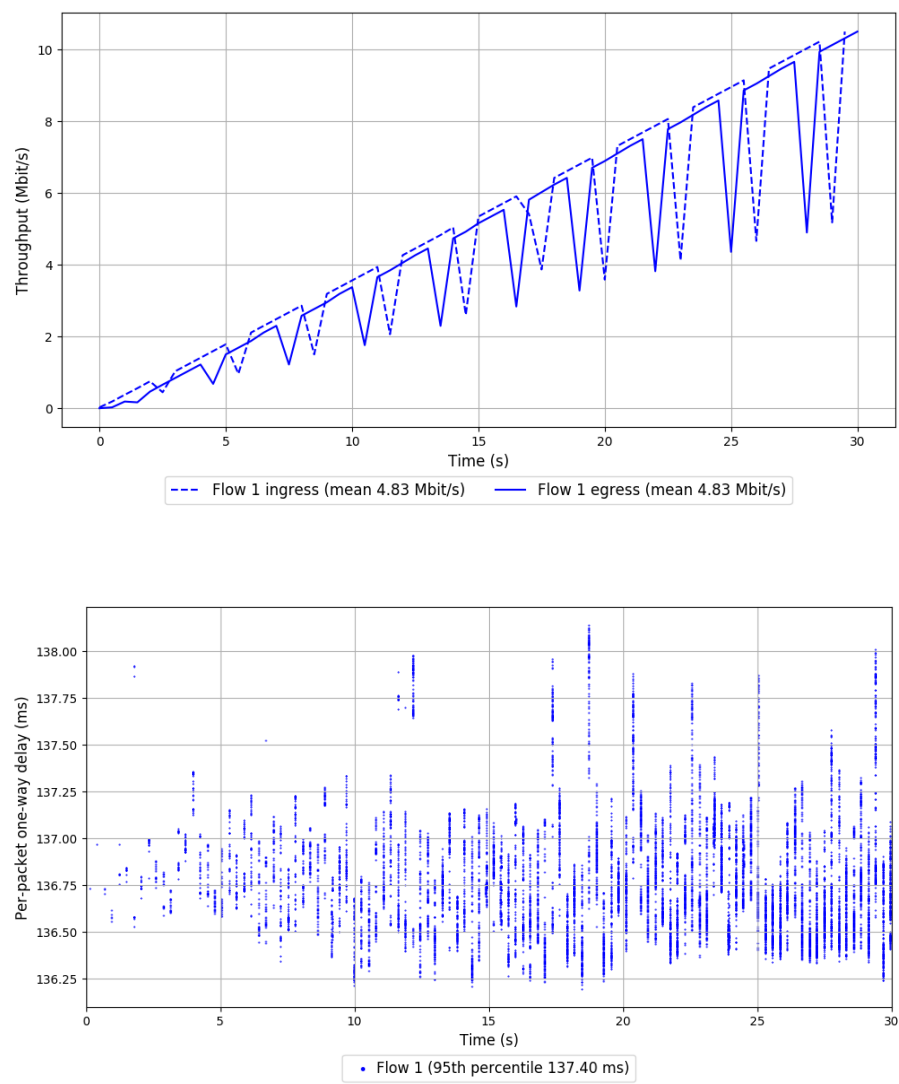


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-18 23:02:06
End at: 2018-07-18 23:02:36
Local clock offset: -0.156 ms
Remote clock offset: -0.162 ms

# Below is generated by plot.py at 2018-07-19 03:46:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.83 Mbit/s
95th percentile per-packet one-way delay: 137.396 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.83 Mbit/s
95th percentile per-packet one-way delay: 137.396 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

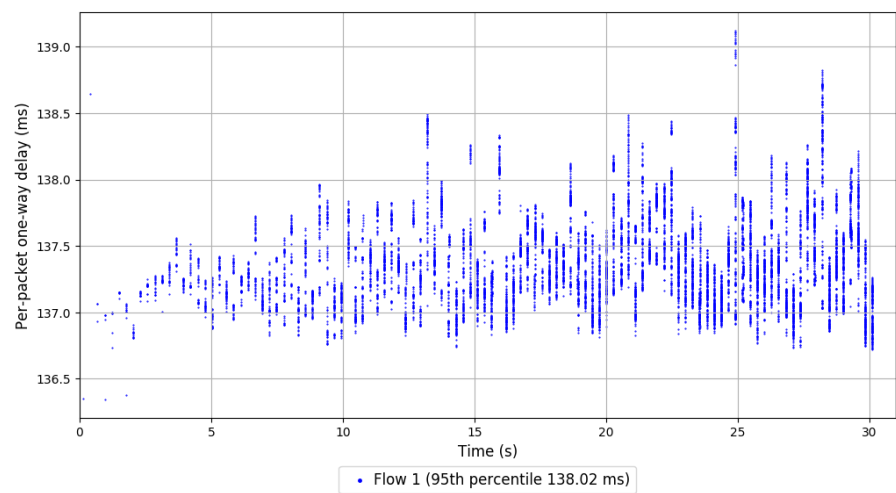
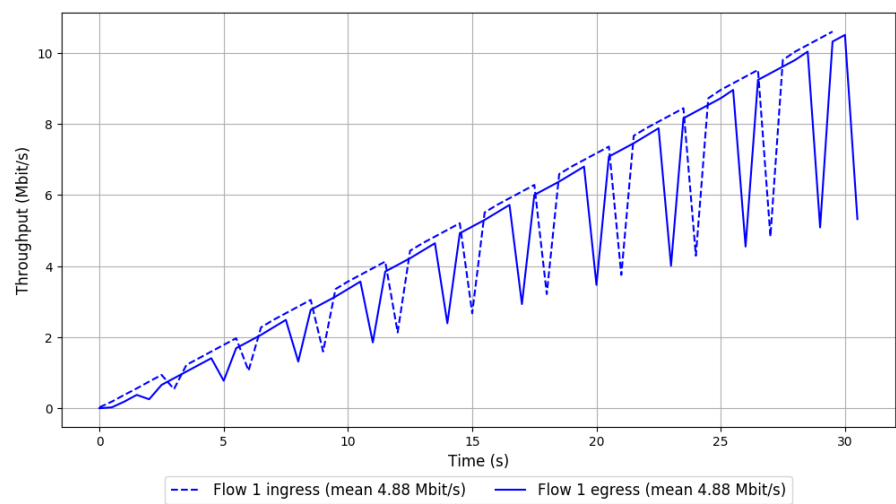


```
Run 2: Statistics of LEDBAT

Start at: 2018-07-18 23:24:51
End at: 2018-07-18 23:25:21
Local clock offset: -0.387 ms
Remote clock offset: 0.275 ms

# Below is generated by plot.py at 2018-07-19 03:46:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.88 Mbit/s
95th percentile per-packet one-way delay: 138.024 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.88 Mbit/s
95th percentile per-packet one-way delay: 138.024 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link

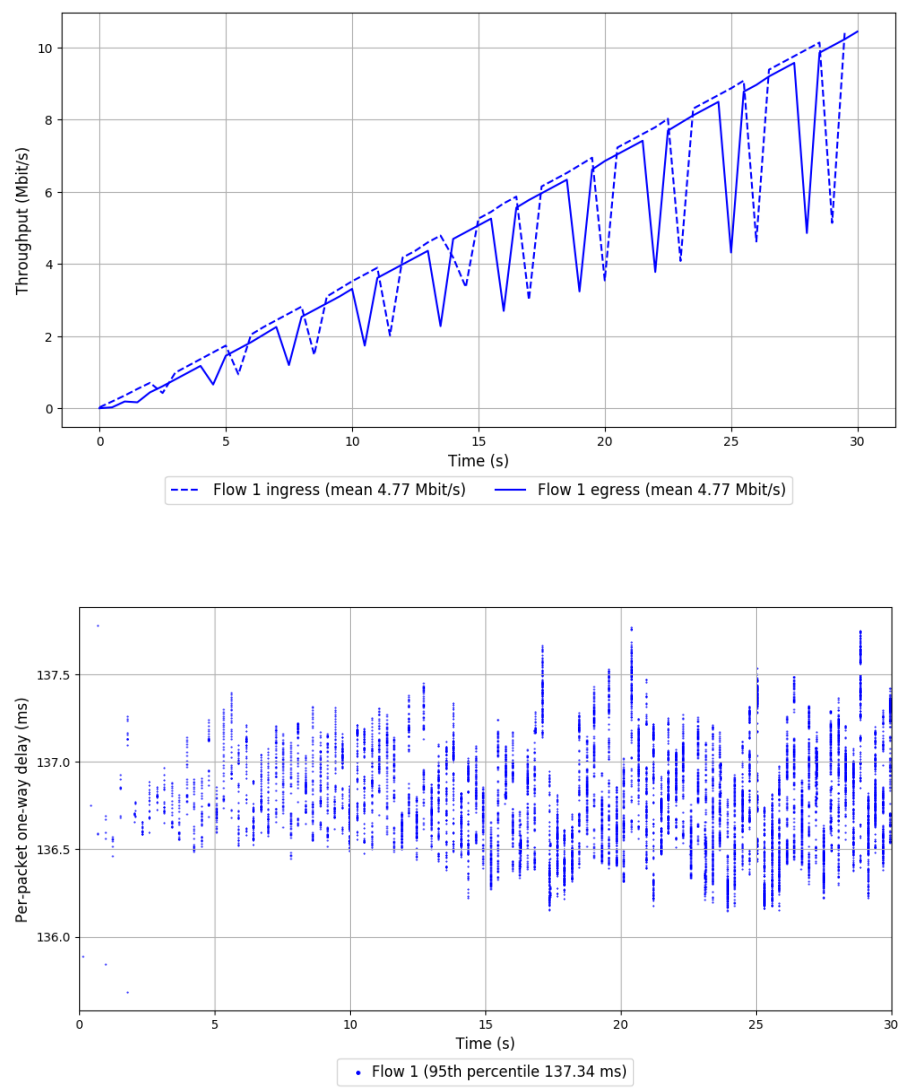


Run 3: Statistics of LEDBAT

Start at: 2018-07-18 23:47:24
End at: 2018-07-18 23:47:54
Local clock offset: -0.257 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-07-19 03:46:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.77 Mbit/s
95th percentile per-packet one-way delay: 137.335 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.77 Mbit/s
95th percentile per-packet one-way delay: 137.335 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

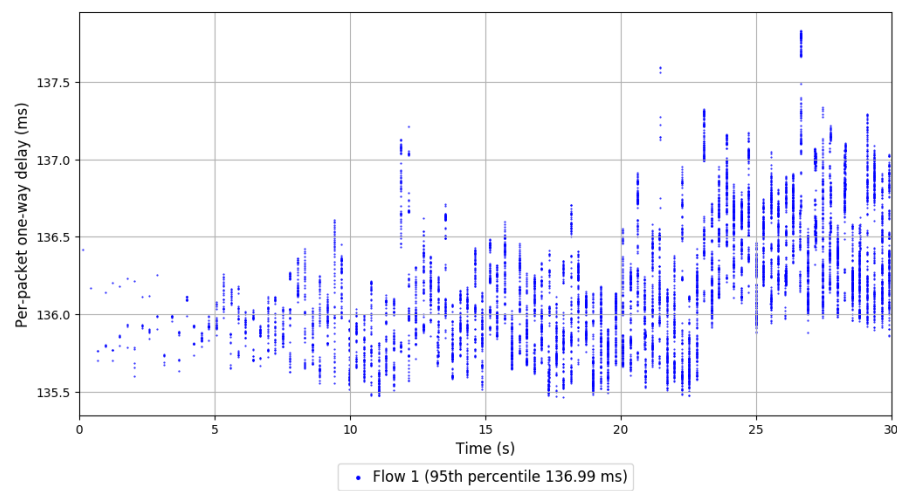
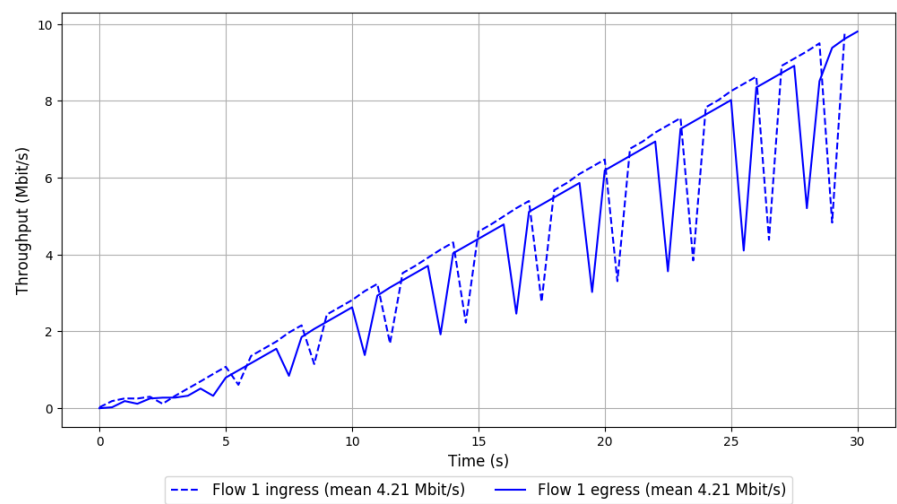


Run 4: Statistics of LEDBAT

Start at: 2018-07-19 00:10:33
End at: 2018-07-19 00:11:03
Local clock offset: -0.295 ms
Remote clock offset: -0.429 ms

Below is generated by plot.py at 2018-07-19 03:46:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 136.992 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 136.992 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

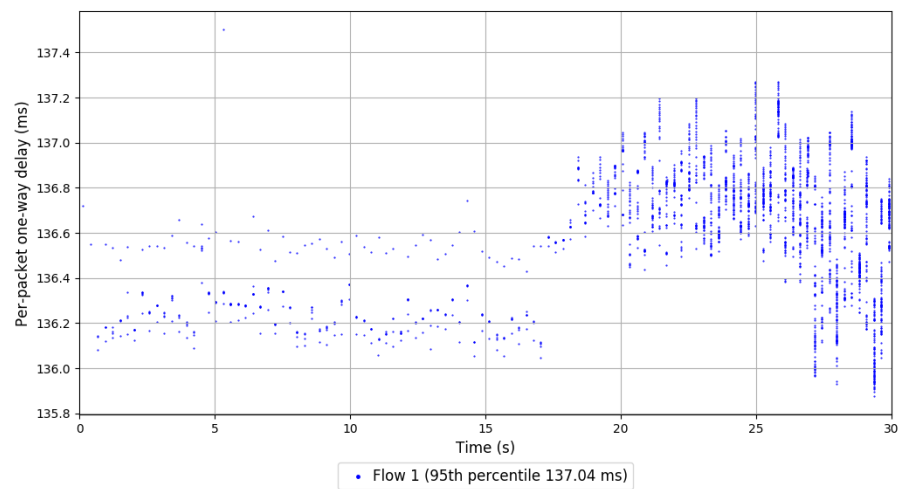
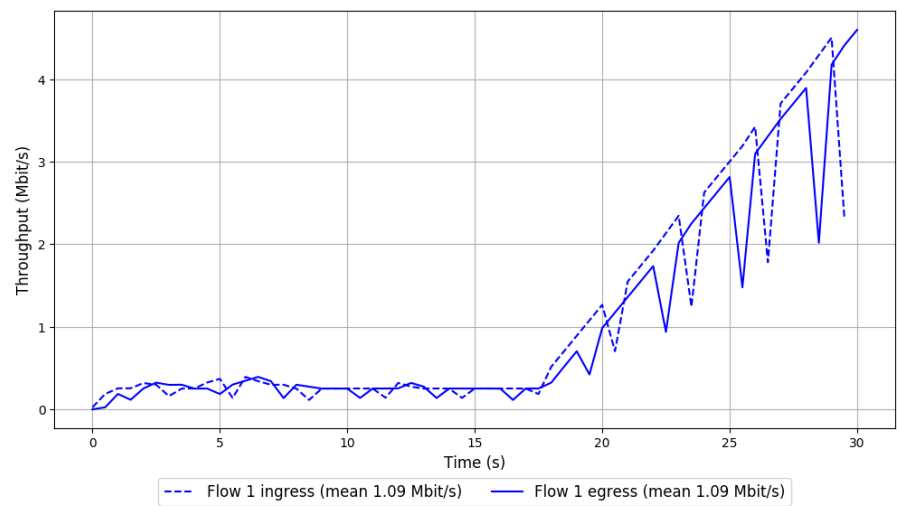


Run 5: Statistics of LEDBAT

Start at: 2018-07-19 00:33:09
End at: 2018-07-19 00:33:39
Local clock offset: -0.41 ms
Remote clock offset: -0.187 ms

Below is generated by plot.py at 2018-07-19 03:46:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.09 Mbit/s
95th percentile per-packet one-way delay: 137.044 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.09 Mbit/s
95th percentile per-packet one-way delay: 137.044 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-19 00:56:07

End at: 2018-07-19 00:56:37

Local clock offset: -0.407 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-19 03:46:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.84 Mbit/s

95th percentile per-packet one-way delay: 137.443 ms

Loss rate: 0.00%

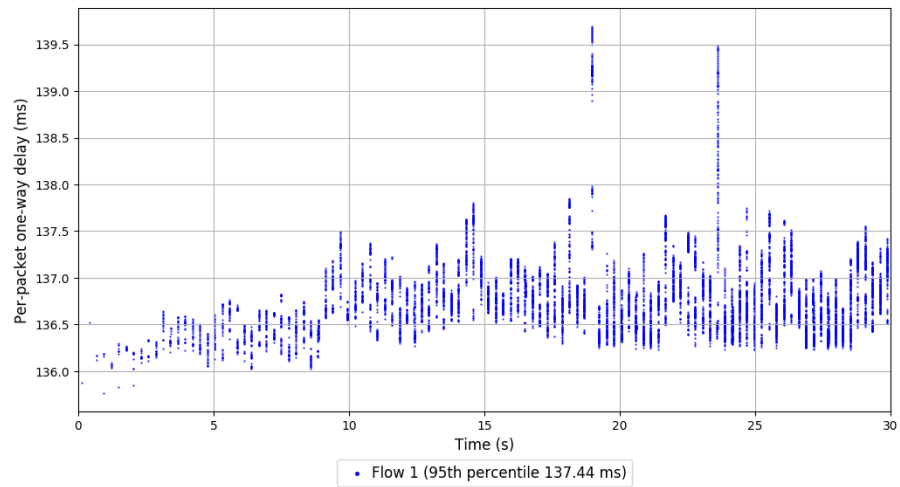
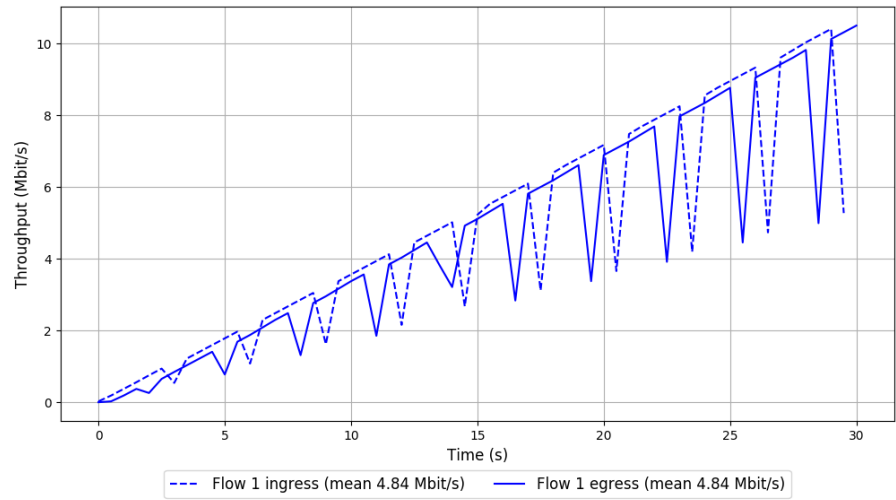
-- Flow 1:

Average throughput: 4.84 Mbit/s

95th percentile per-packet one-way delay: 137.443 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

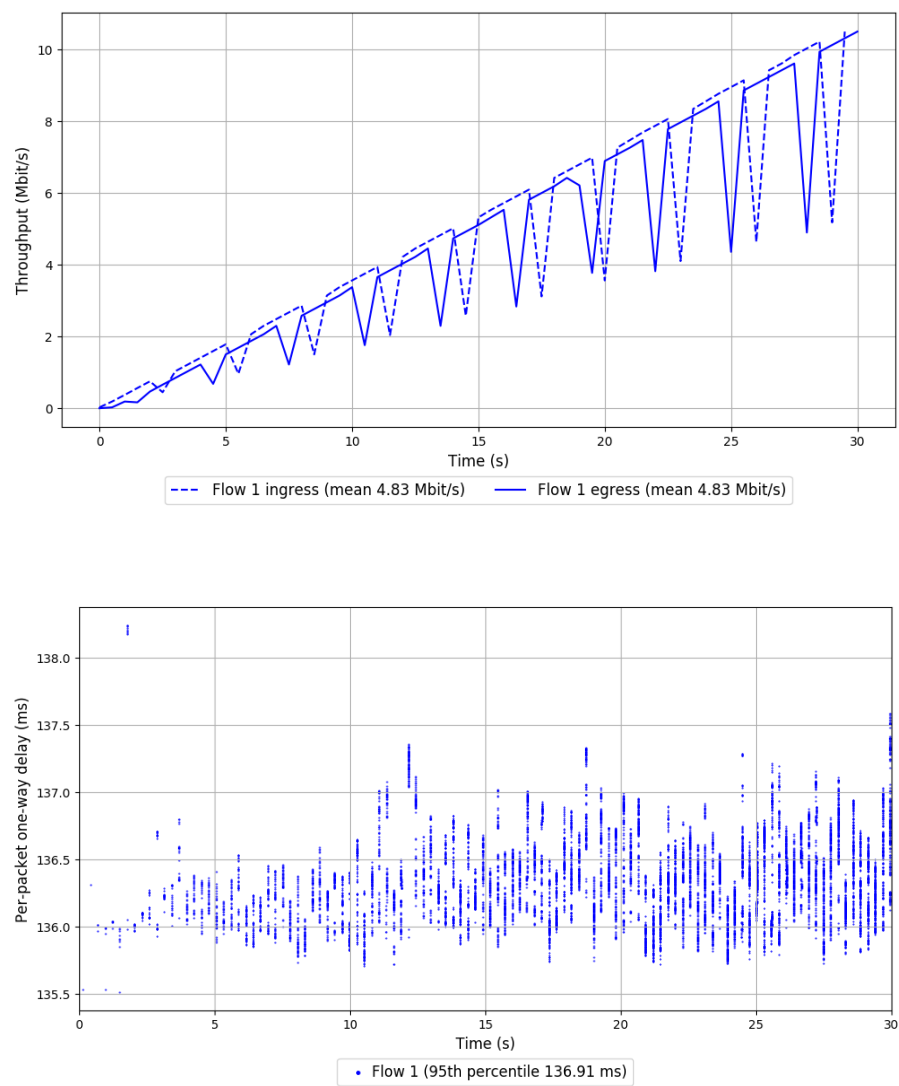


Run 7: Statistics of LEDBAT

Start at: 2018-07-19 01:18:40
End at: 2018-07-19 01:19:10
Local clock offset: -0.282 ms
Remote clock offset: -0.385 ms

Below is generated by plot.py at 2018-07-19 03:46:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.83 Mbit/s
95th percentile per-packet one-way delay: 136.913 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.83 Mbit/s
95th percentile per-packet one-way delay: 136.913 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

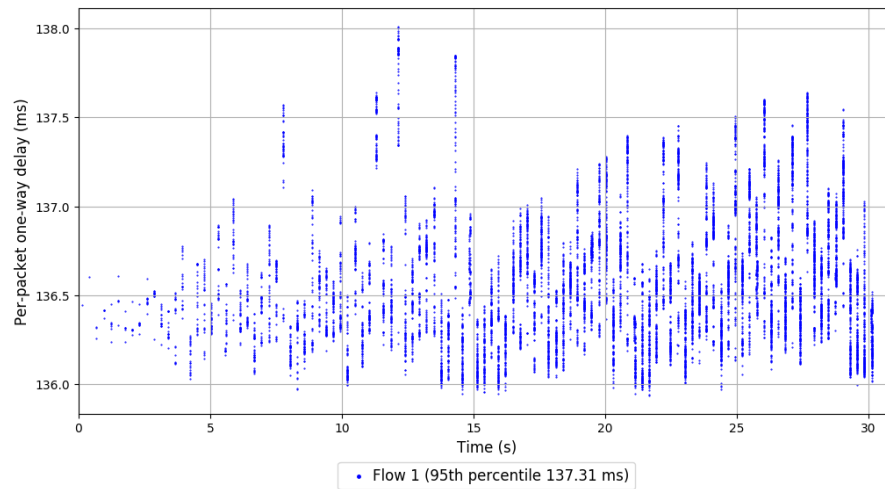
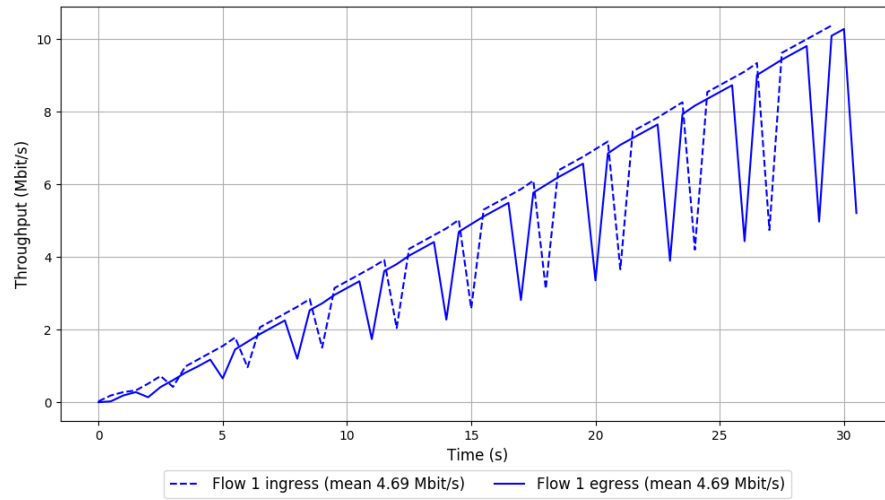


Run 8: Statistics of LEDBAT

Start at: 2018-07-19 01:41:41
End at: 2018-07-19 01:42:11
Local clock offset: -0.212 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-07-19 03:46:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.69 Mbit/s
95th percentile per-packet one-way delay: 137.314 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.69 Mbit/s
95th percentile per-packet one-way delay: 137.314 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-19 02:04:33

End at: 2018-07-19 02:05:03

Local clock offset: -0.042 ms

Remote clock offset: 0.181 ms

Below is generated by plot.py at 2018-07-19 03:46:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.82 Mbit/s

95th percentile per-packet one-way delay: 137.930 ms

Loss rate: 0.00%

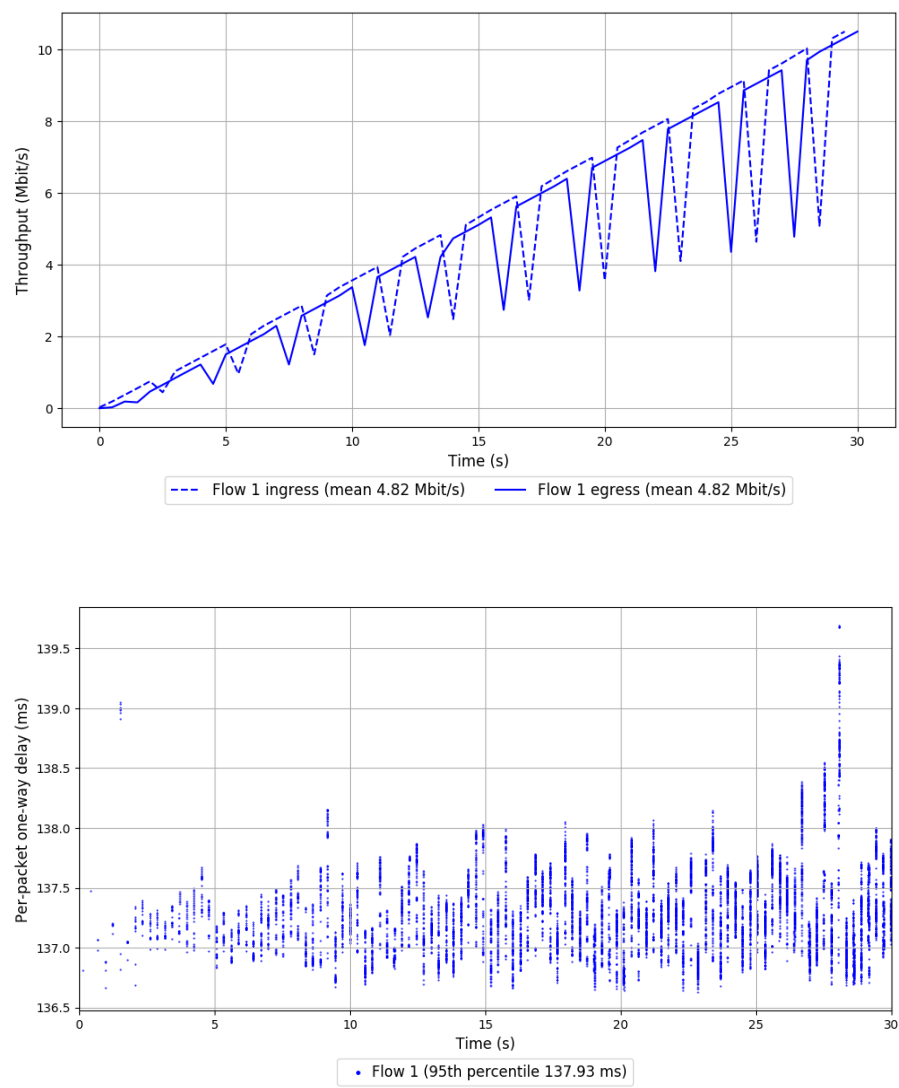
-- Flow 1:

Average throughput: 4.82 Mbit/s

95th percentile per-packet one-way delay: 137.930 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-19 02:27:28

End at: 2018-07-19 02:27:58

Local clock offset: 0.149 ms

Remote clock offset: 0.243 ms

Below is generated by plot.py at 2018-07-19 03:46:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.83 Mbit/s

95th percentile per-packet one-way delay: 137.396 ms

Loss rate: 0.00%

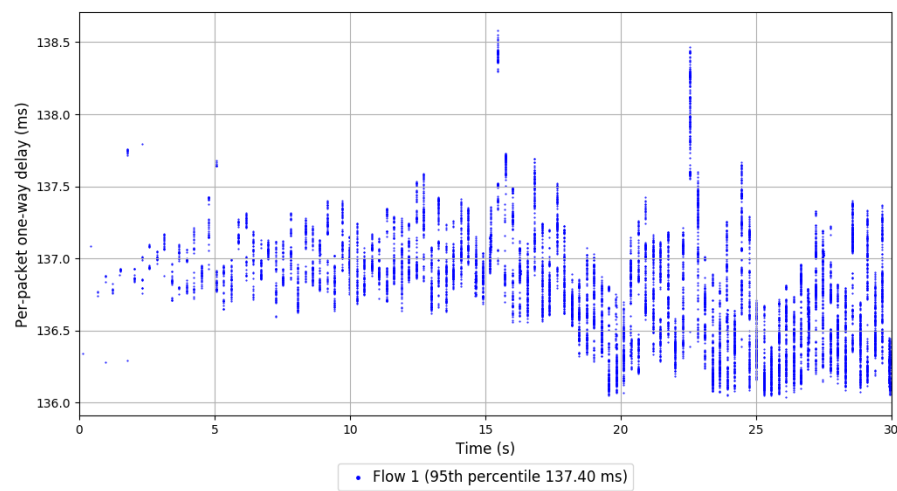
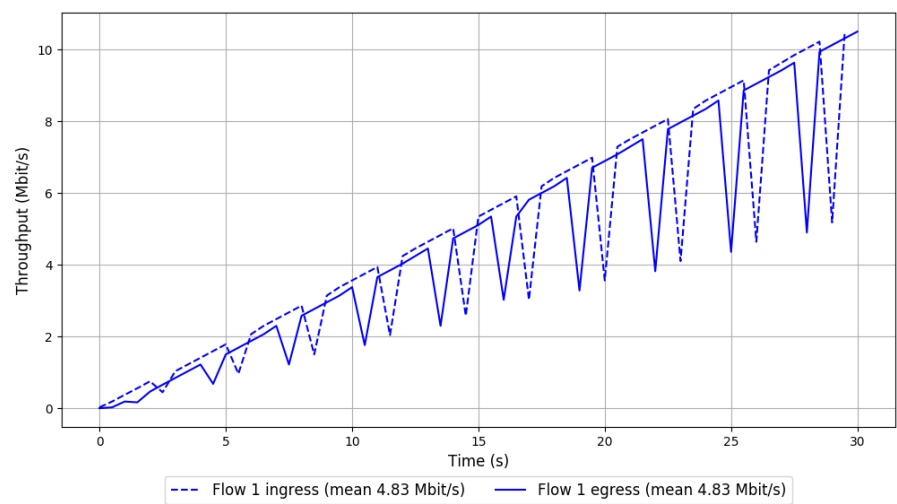
-- Flow 1:

Average throughput: 4.83 Mbit/s

95th percentile per-packet one-way delay: 137.396 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-07-18 22:52:13

End at: 2018-07-18 22:52:43

Local clock offset: -0.235 ms

Remote clock offset: -0.179 ms

Below is generated by plot.py at 2018-07-19 03:46:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 525.69 Mbit/s

95th percentile per-packet one-way delay: 259.786 ms

Loss rate: 1.81%

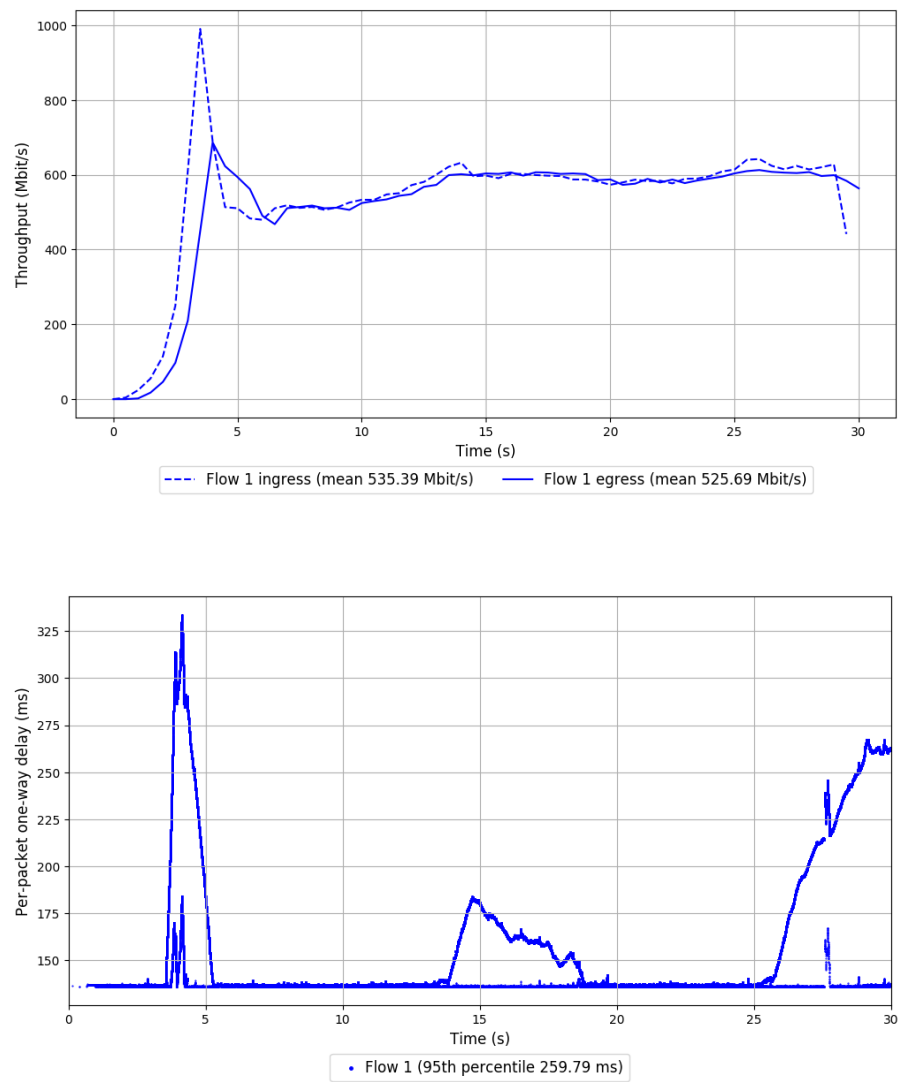
-- Flow 1:

Average throughput: 525.69 Mbit/s

95th percentile per-packet one-way delay: 259.786 ms

Loss rate: 1.81%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-18 23:15:24

End at: 2018-07-18 23:15:55

Local clock offset: -0.076 ms

Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-07-19 03:46:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 426.09 Mbit/s

95th percentile per-packet one-way delay: 261.188 ms

Loss rate: 0.97%

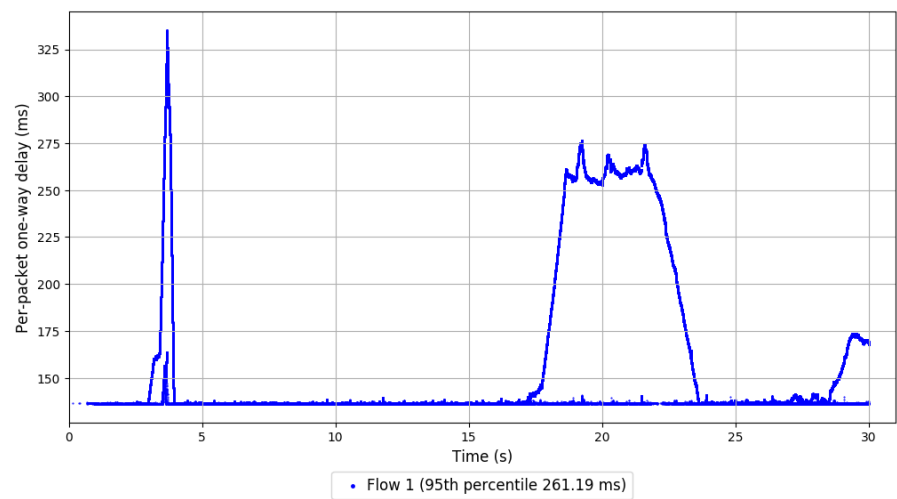
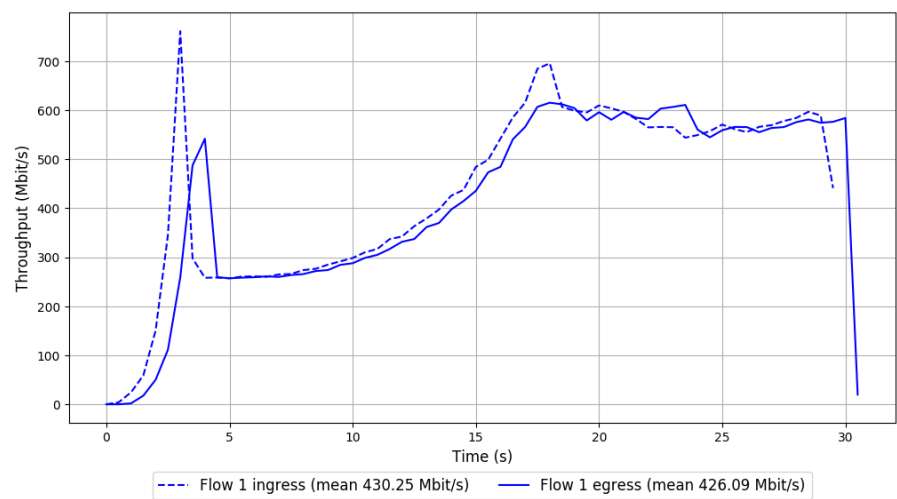
-- Flow 1:

Average throughput: 426.09 Mbit/s

95th percentile per-packet one-way delay: 261.188 ms

Loss rate: 0.97%

Run 2: Report of PCC-Allegro — Data Link

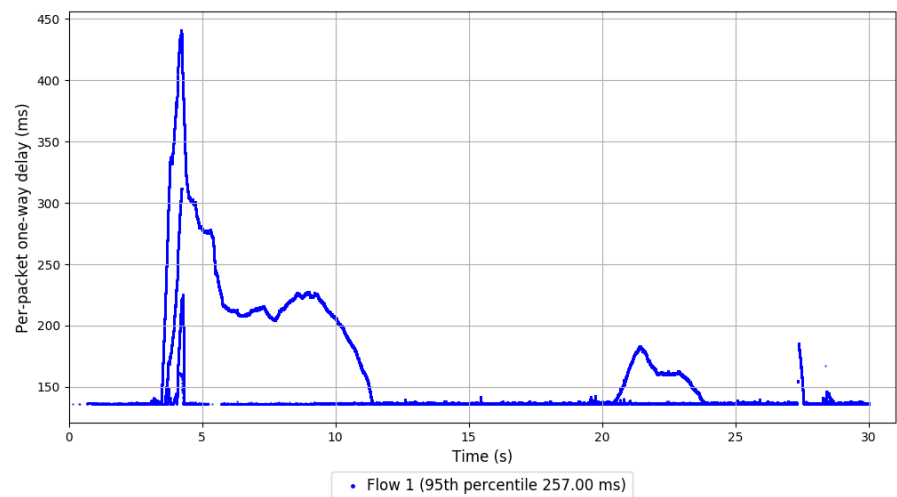
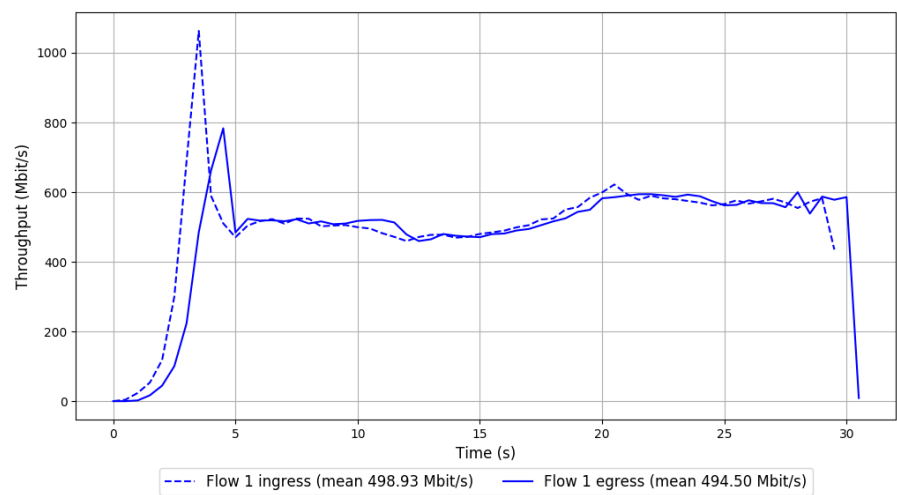


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-18 23:38:07
End at: 2018-07-18 23:38:37
Local clock offset: -0.212 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-07-19 03:46:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 494.50 Mbit/s
95th percentile per-packet one-way delay: 257.000 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 494.50 Mbit/s
95th percentile per-packet one-way delay: 257.000 ms
Loss rate: 0.89%

Run 3: Report of PCC-Allegro — Data Link

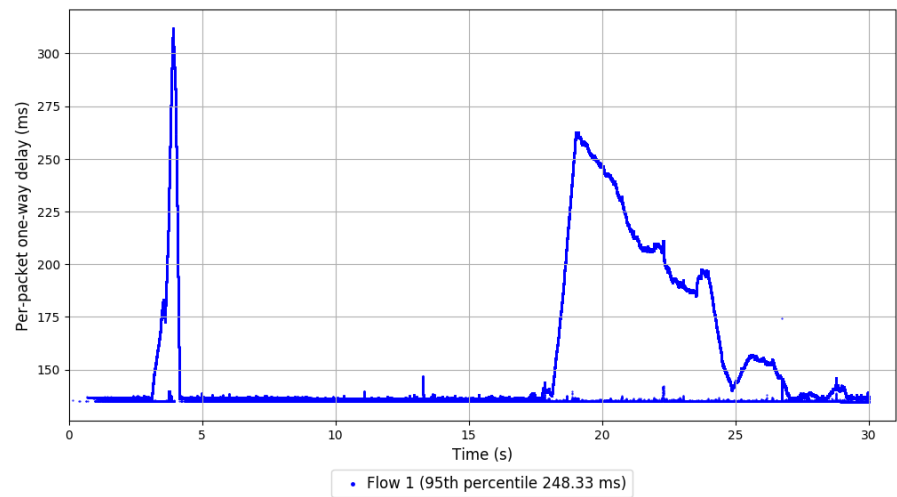
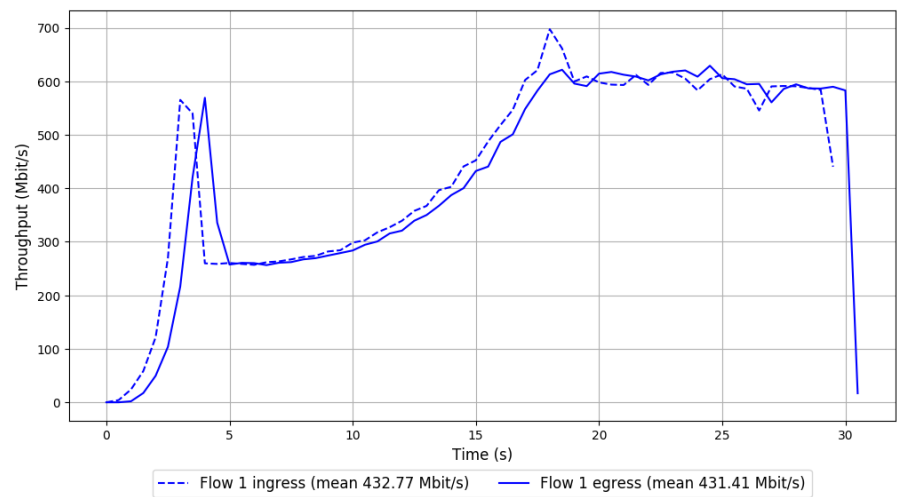


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-19 00:00:47
End at: 2018-07-19 00:01:17
Local clock offset: -0.343 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-19 03:46:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 431.41 Mbit/s
95th percentile per-packet one-way delay: 248.332 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 431.41 Mbit/s
95th percentile per-packet one-way delay: 248.332 ms
Loss rate: 0.31%

Run 4: Report of PCC-Allegro — Data Link

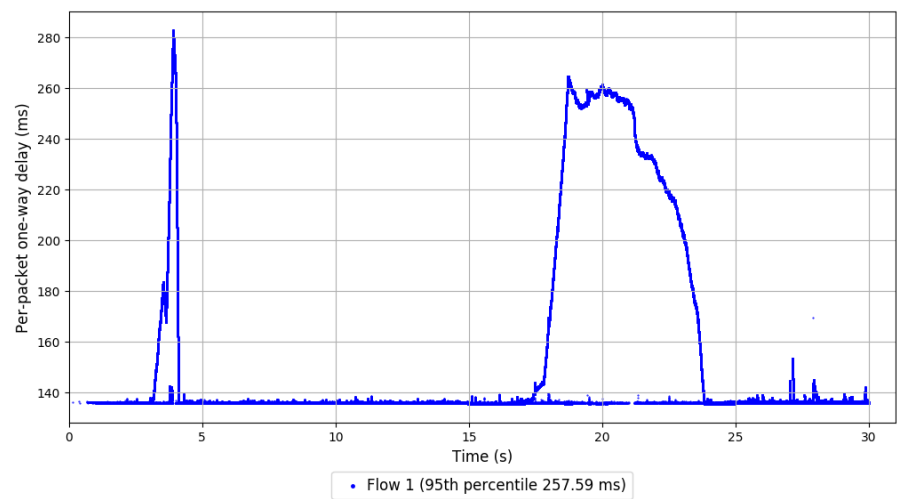
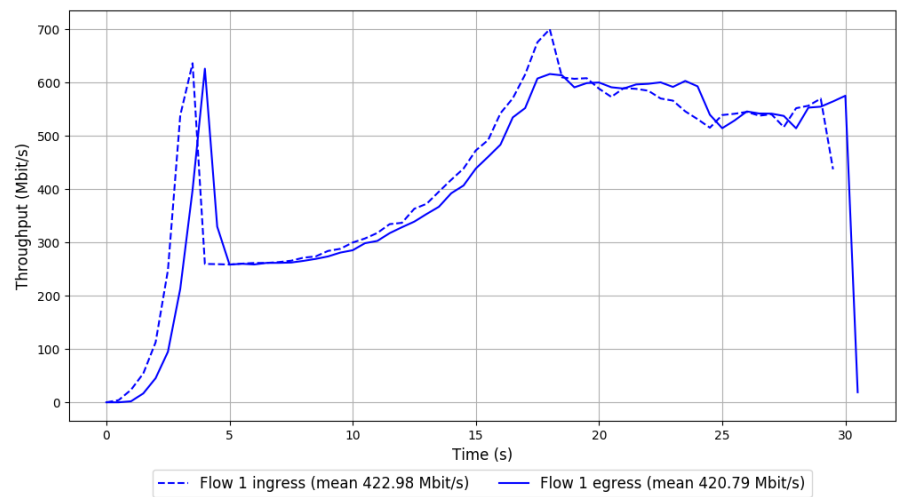


Run 5: Statistics of PCC-Allegro

Start at: 2018-07-19 00:23:51
End at: 2018-07-19 00:24:21
Local clock offset: -0.335 ms
Remote clock offset: -0.518 ms

Below is generated by plot.py at 2018-07-19 03:47:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 420.79 Mbit/s
95th percentile per-packet one-way delay: 257.591 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 420.79 Mbit/s
95th percentile per-packet one-way delay: 257.591 ms
Loss rate: 0.52%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-19 00:46:46

End at: 2018-07-19 00:47:16

Local clock offset: -0.262 ms

Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-07-19 03:52:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 418.15 Mbit/s

95th percentile per-packet one-way delay: 245.097 ms

Loss rate: 0.45%

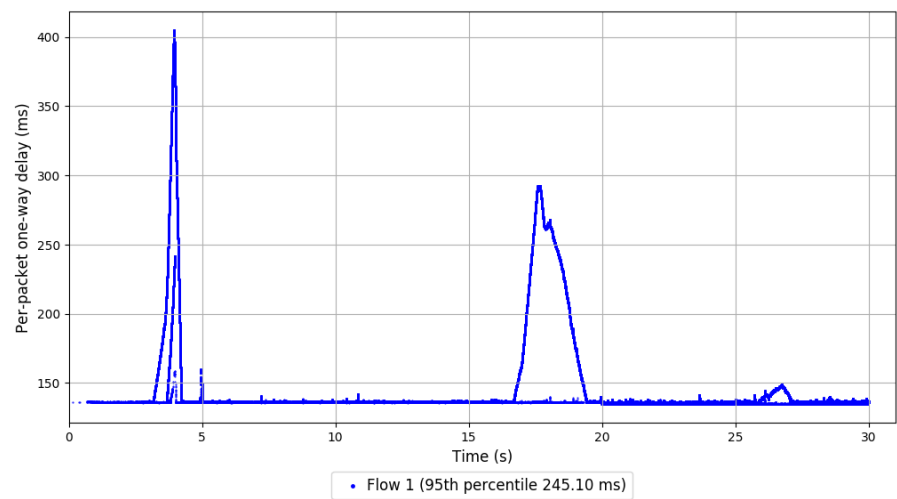
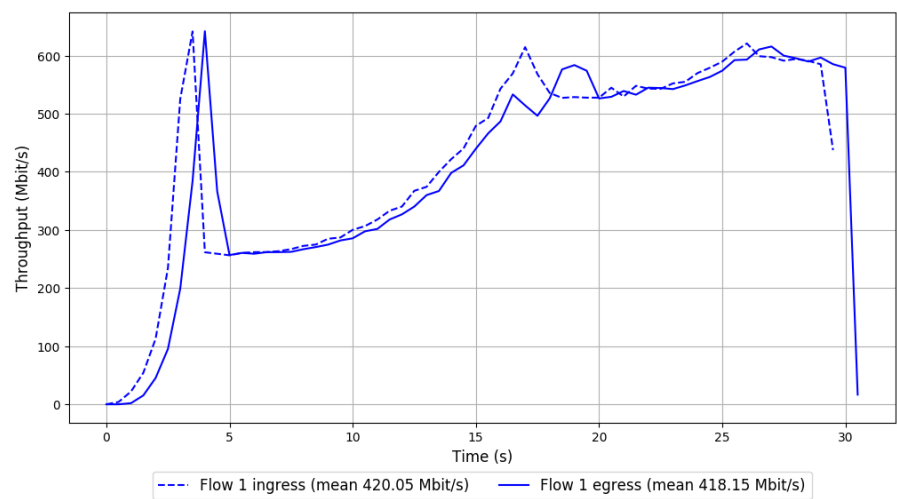
-- Flow 1:

Average throughput: 418.15 Mbit/s

95th percentile per-packet one-way delay: 245.097 ms

Loss rate: 0.45%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-19 01:09:19

End at: 2018-07-19 01:09:49

Local clock offset: -0.194 ms

Remote clock offset: 0.399 ms

Below is generated by plot.py at 2018-07-19 03:54:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 480.38 Mbit/s

95th percentile per-packet one-way delay: 240.586 ms

Loss rate: 0.89%

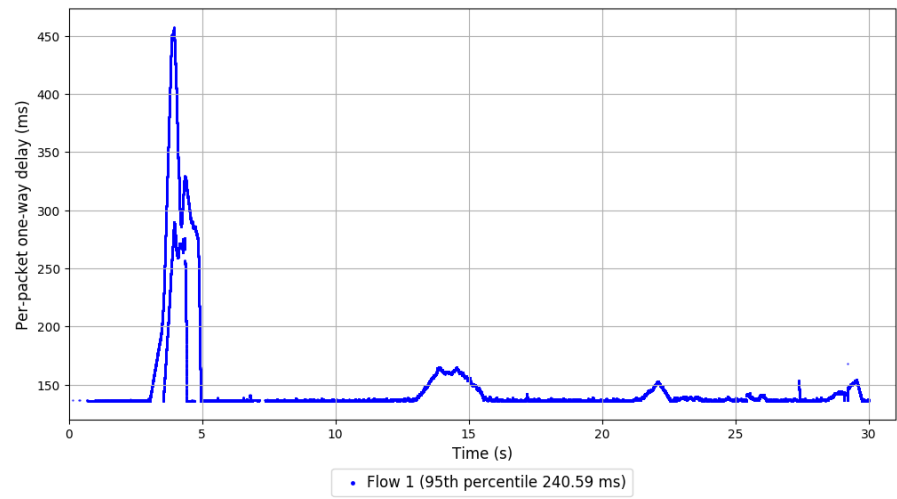
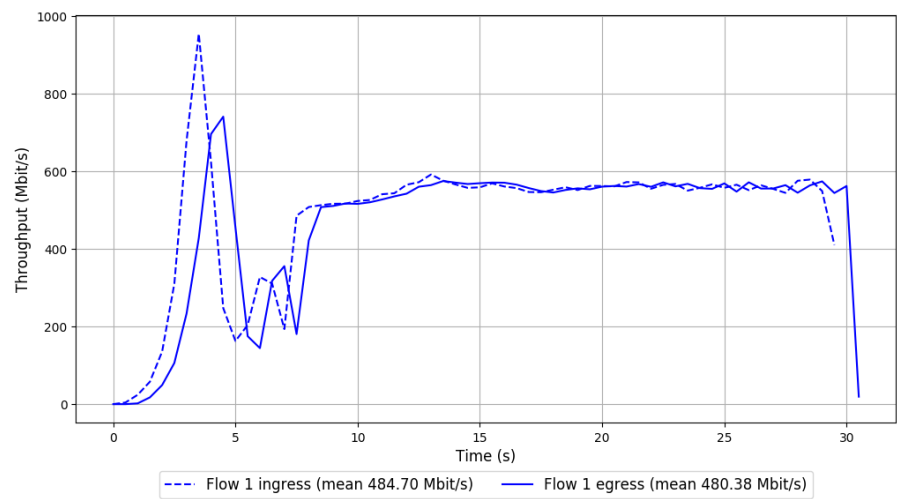
-- Flow 1:

Average throughput: 480.38 Mbit/s

95th percentile per-packet one-way delay: 240.586 ms

Loss rate: 0.89%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-19 01:31:58

End at: 2018-07-19 01:32:28

Local clock offset: -0.37 ms

Remote clock offset: -0.432 ms

Below is generated by plot.py at 2018-07-19 03:54:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 517.17 Mbit/s

95th percentile per-packet one-way delay: 279.708 ms

Loss rate: 1.61%

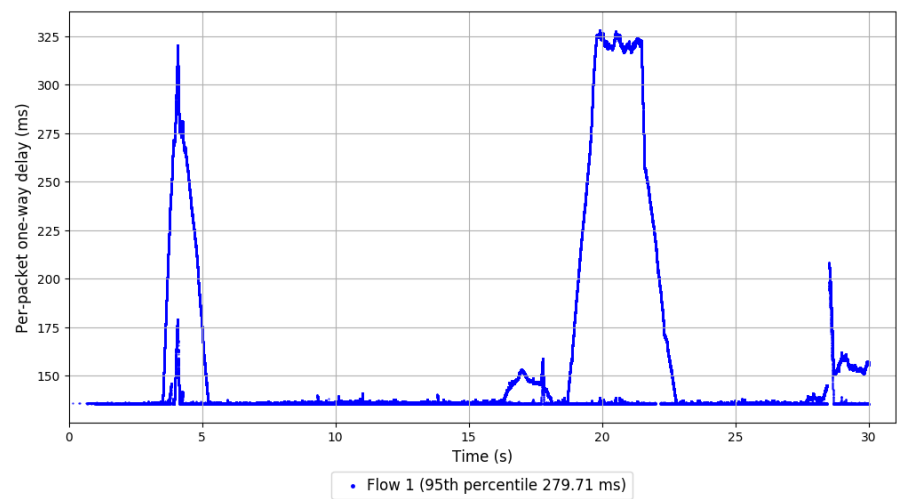
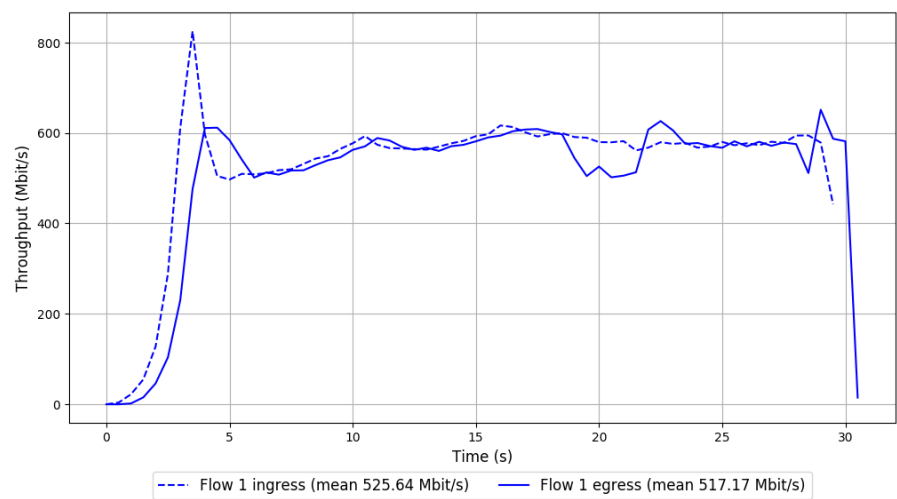
-- Flow 1:

Average throughput: 517.17 Mbit/s

95th percentile per-packet one-way delay: 279.708 ms

Loss rate: 1.61%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-19 01:55:04

End at: 2018-07-19 01:55:34

Local clock offset: -0.273 ms

Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-07-19 03:55:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 527.92 Mbit/s

95th percentile per-packet one-way delay: 181.552 ms

Loss rate: 1.08%

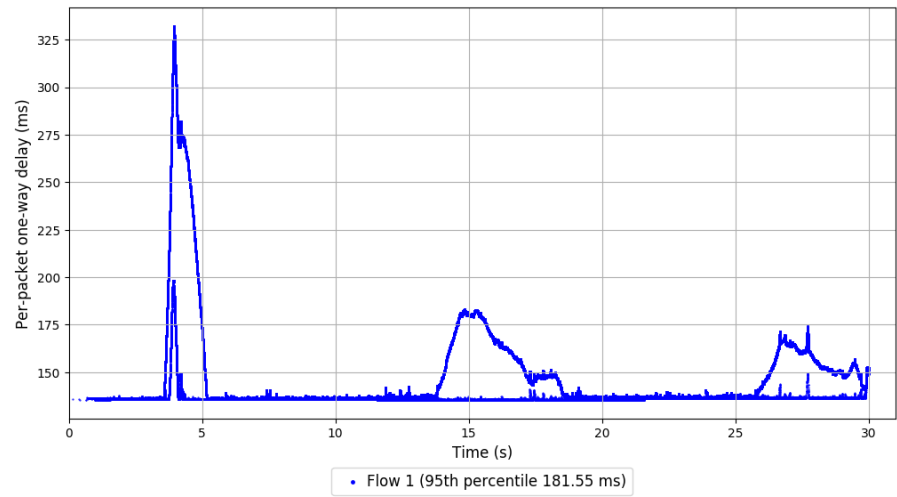
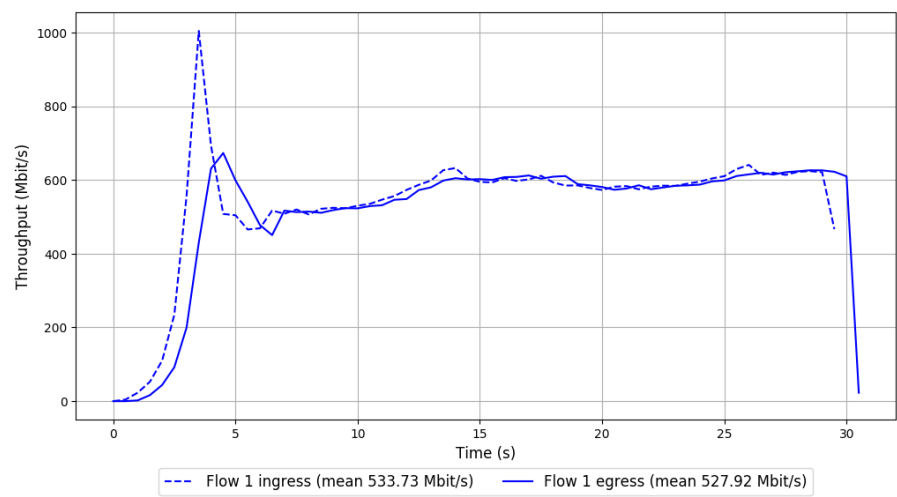
-- Flow 1:

Average throughput: 527.92 Mbit/s

95th percentile per-packet one-way delay: 181.552 ms

Loss rate: 1.08%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-19 02:17:56

End at: 2018-07-19 02:18:26

Local clock offset: 0.04 ms

Remote clock offset: -0.199 ms

Below is generated by plot.py at 2018-07-19 03:55:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 512.26 Mbit/s

95th percentile per-packet one-way delay: 225.625 ms

Loss rate: 0.74%

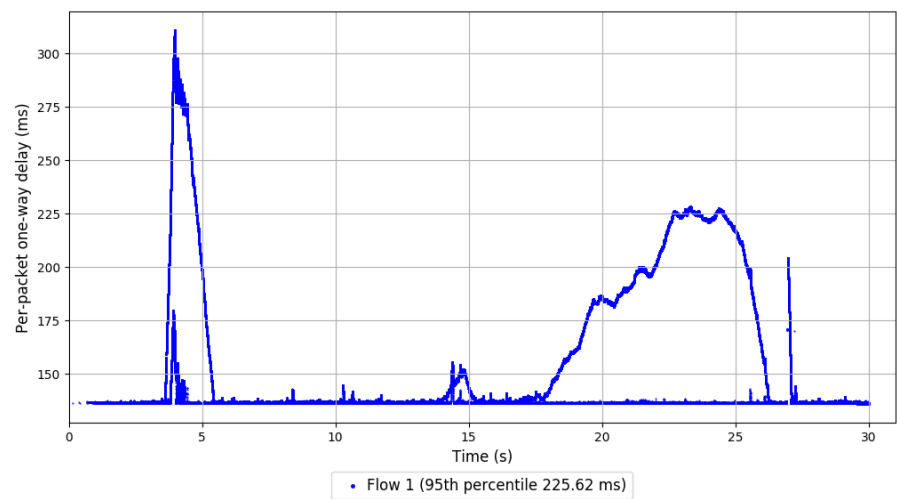
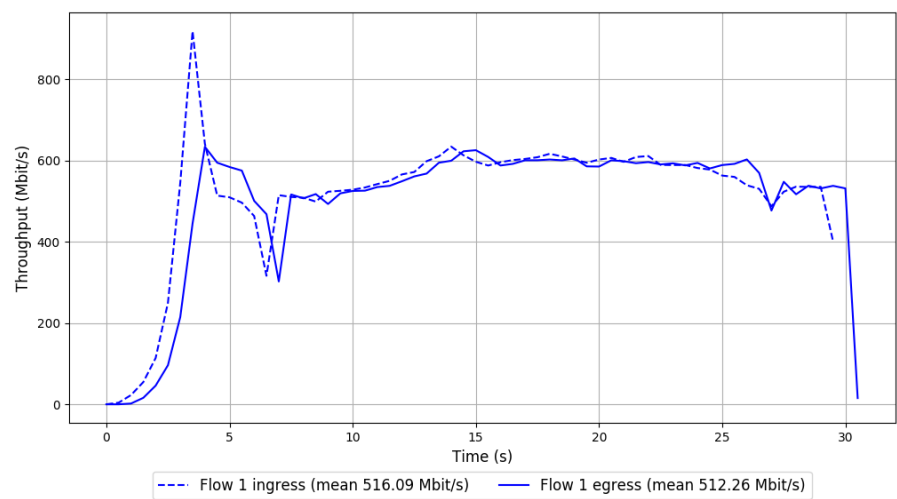
-- Flow 1:

Average throughput: 512.26 Mbit/s

95th percentile per-packet one-way delay: 225.625 ms

Loss rate: 0.74%

Run 10: Report of PCC-Allegro — Data Link

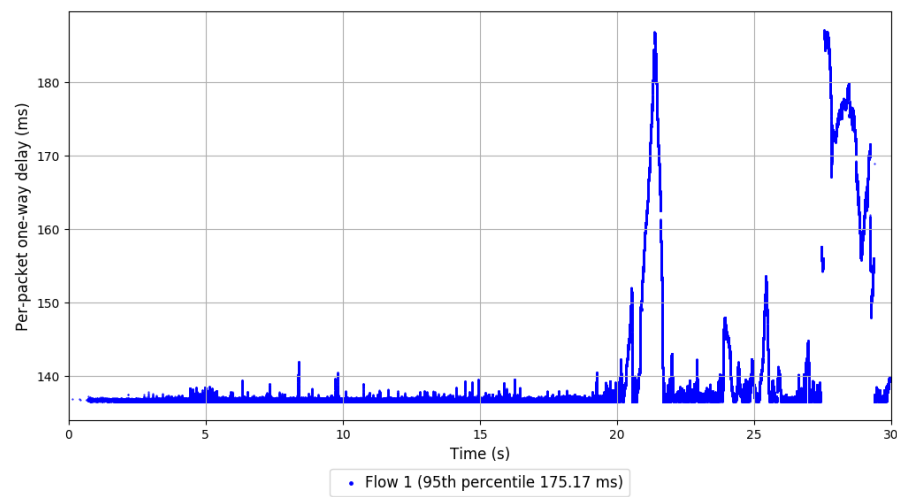
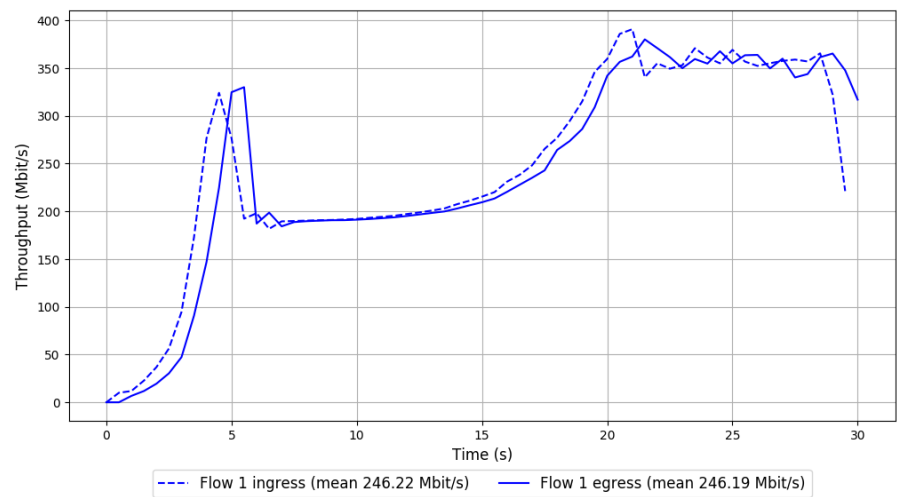


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-18 23:08:30
End at: 2018-07-18 23:09:00
Local clock offset: -0.173 ms
Remote clock offset: 0.247 ms

# Below is generated by plot.py at 2018-07-19 03:55:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 246.19 Mbit/s
95th percentile per-packet one-way delay: 175.170 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 246.19 Mbit/s
95th percentile per-packet one-way delay: 175.170 ms
Loss rate: 0.01%
```

Run 1: Report of PCC-Expr — Data Link

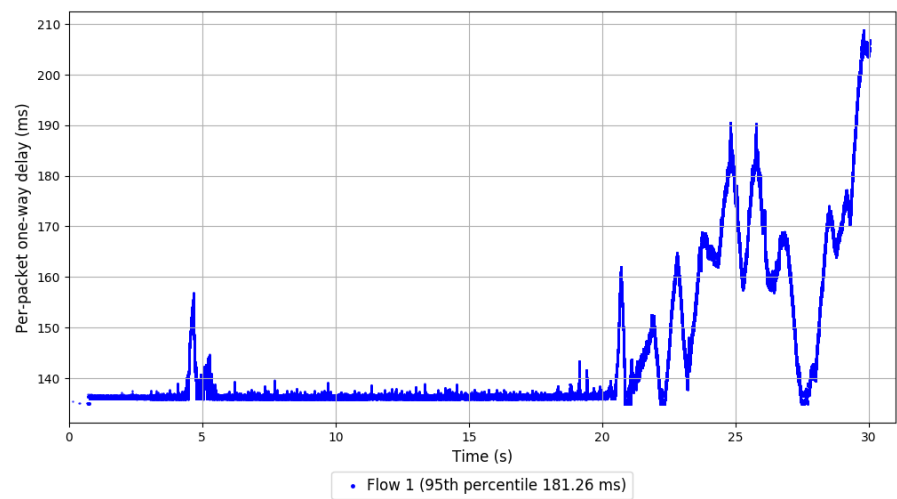
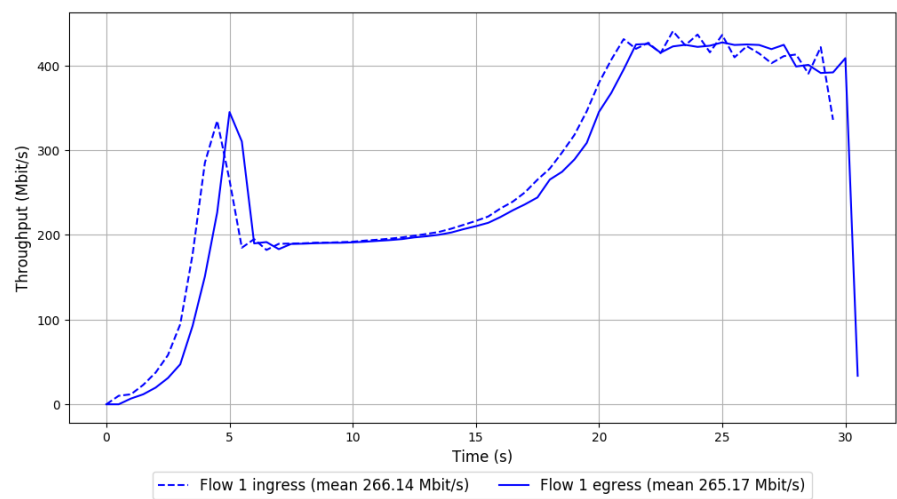


Run 2: Statistics of PCC-Expr

Start at: 2018-07-18 23:31:15
End at: 2018-07-18 23:31:45
Local clock offset: -0.278 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-19 03:55:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 265.17 Mbit/s
95th percentile per-packet one-way delay: 181.259 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 265.17 Mbit/s
95th percentile per-packet one-way delay: 181.259 ms
Loss rate: 0.36%

Run 2: Report of PCC-Expr — Data Link

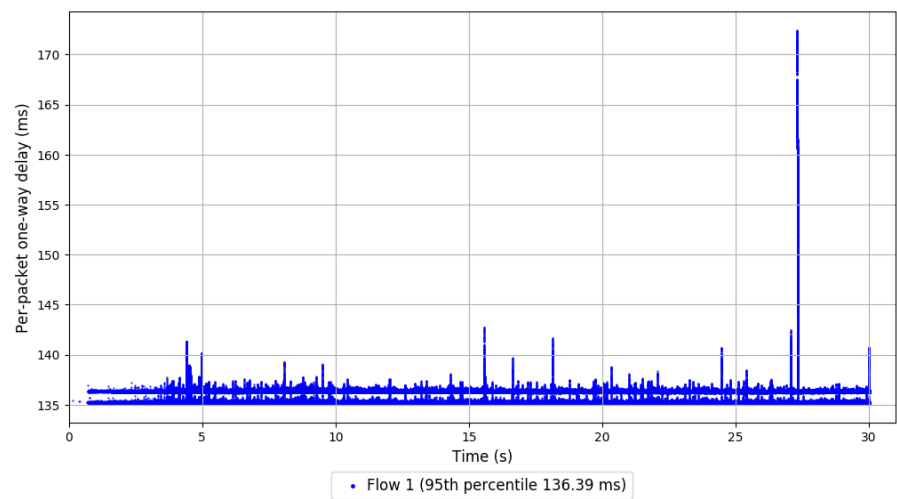
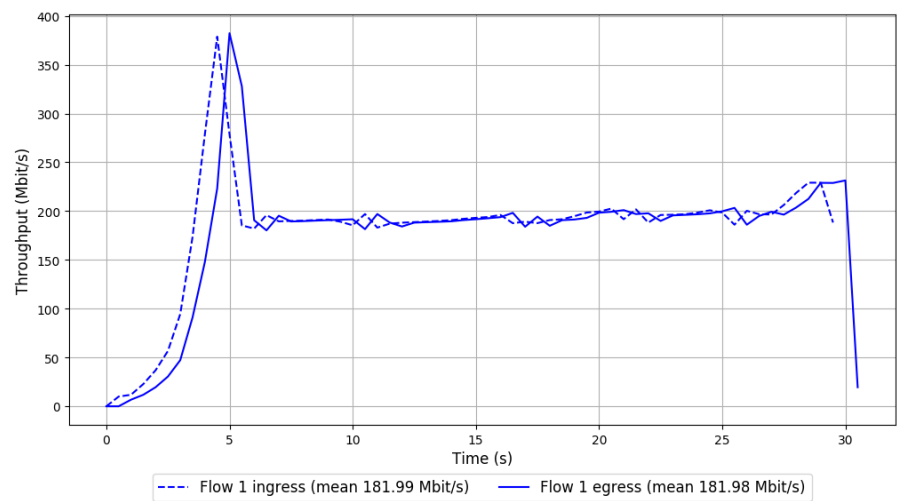


Run 3: Statistics of PCC-Expr

Start at: 2018-07-18 23:53:49
End at: 2018-07-18 23:54:19
Local clock offset: -0.165 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-07-19 03:55:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 181.98 Mbit/s
95th percentile per-packet one-way delay: 136.386 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 181.98 Mbit/s
95th percentile per-packet one-way delay: 136.386 ms
Loss rate: 0.00%

Run 3: Report of PCC-Expr — Data Link

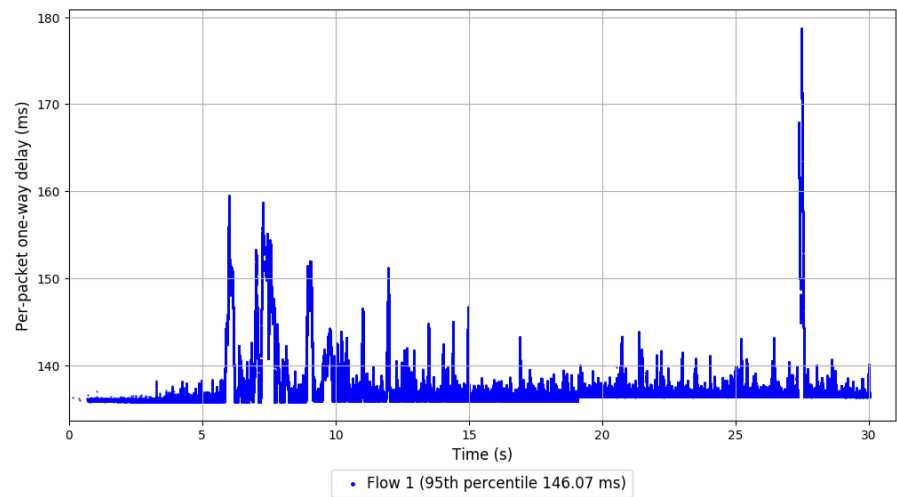
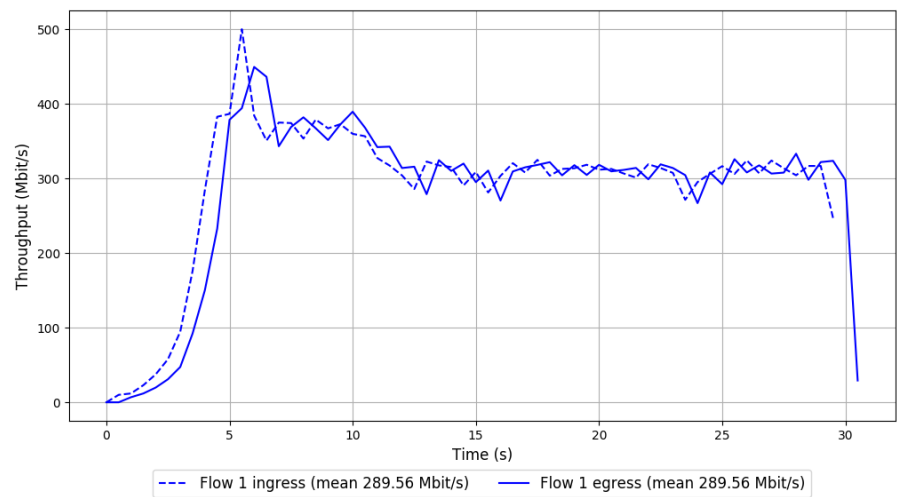


Run 4: Statistics of PCC-Expr

Start at: 2018-07-19 00:16:57
End at: 2018-07-19 00:17:27
Local clock offset: -0.369 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-07-19 04:03:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 289.56 Mbit/s
95th percentile per-packet one-way delay: 146.071 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 289.56 Mbit/s
95th percentile per-packet one-way delay: 146.071 ms
Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link

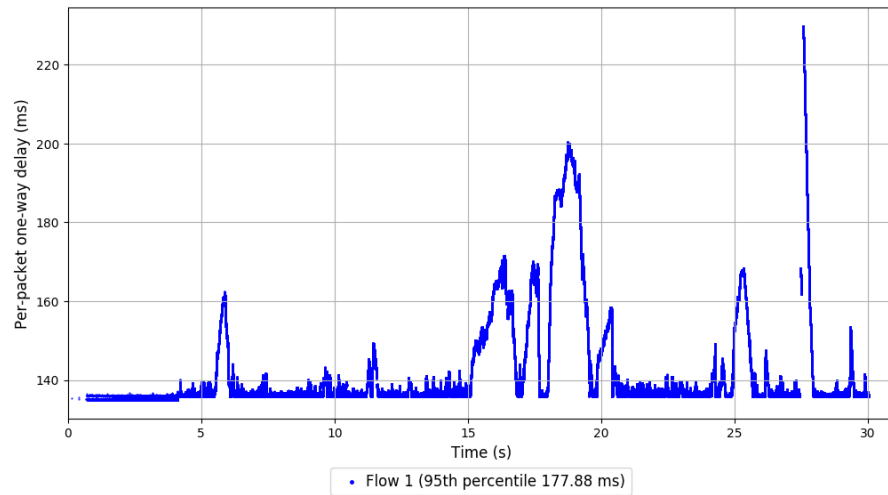
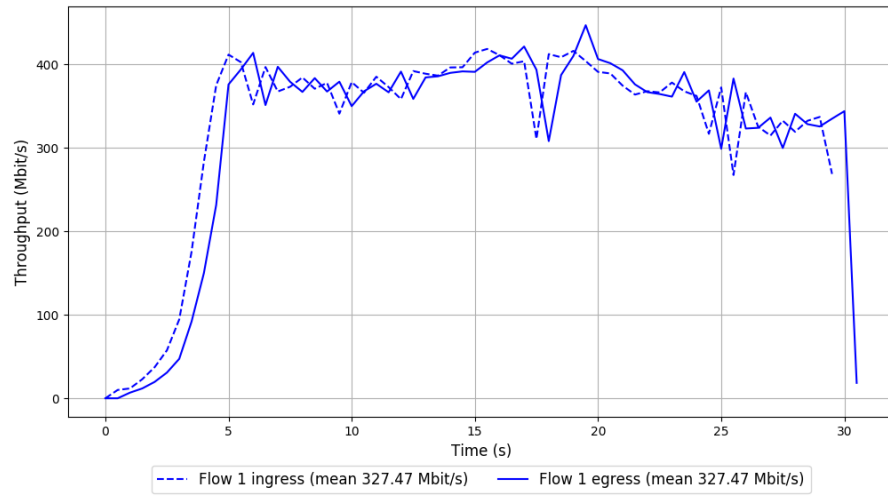


Run 5: Statistics of PCC-Expr

Start at: 2018-07-19 00:39:32
End at: 2018-07-19 00:40:02
Local clock offset: -0.518 ms
Remote clock offset: -0.231 ms

Below is generated by plot.py at 2018-07-19 04:05:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 327.47 Mbit/s
95th percentile per-packet one-way delay: 177.879 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 327.47 Mbit/s
95th percentile per-packet one-way delay: 177.879 ms
Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link

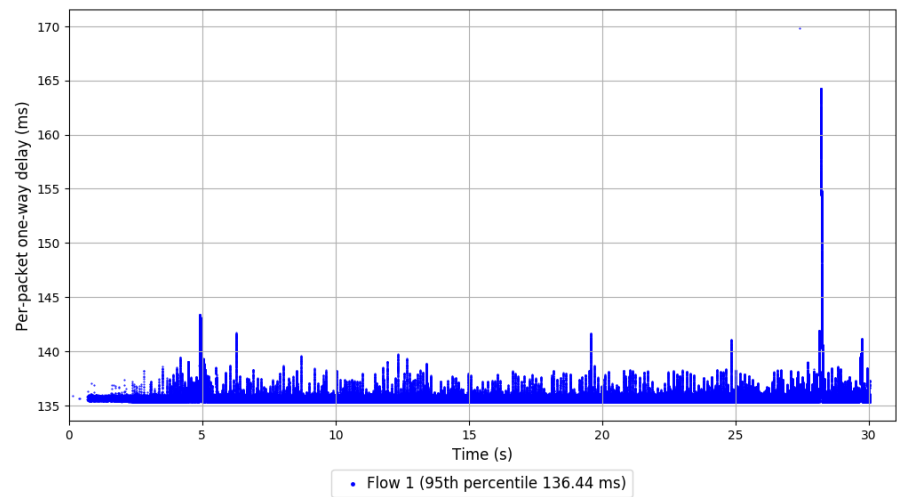
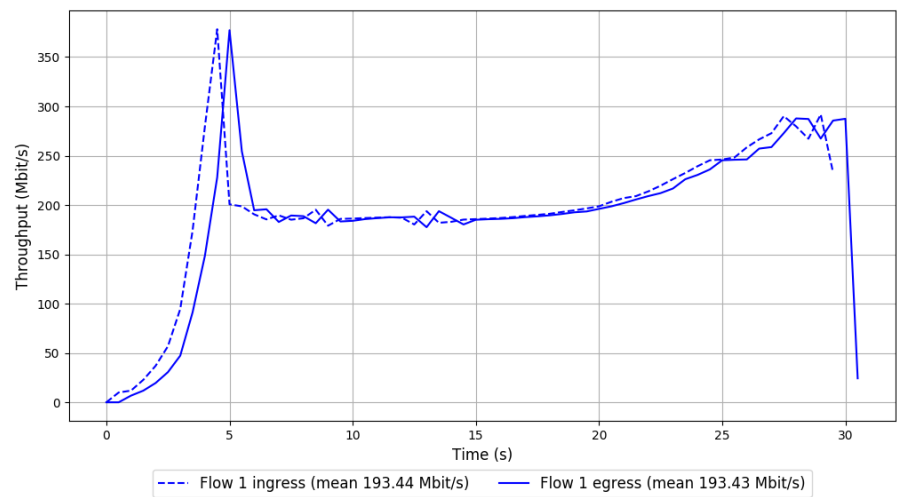


Run 6: Statistics of PCC-Expr

Start at: 2018-07-19 01:02:29
End at: 2018-07-19 01:02:59
Local clock offset: -0.26 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-19 04:05:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 193.43 Mbit/s
95th percentile per-packet one-way delay: 136.442 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 193.43 Mbit/s
95th percentile per-packet one-way delay: 136.442 ms
Loss rate: 0.00%

Run 6: Report of PCC-Expr — Data Link

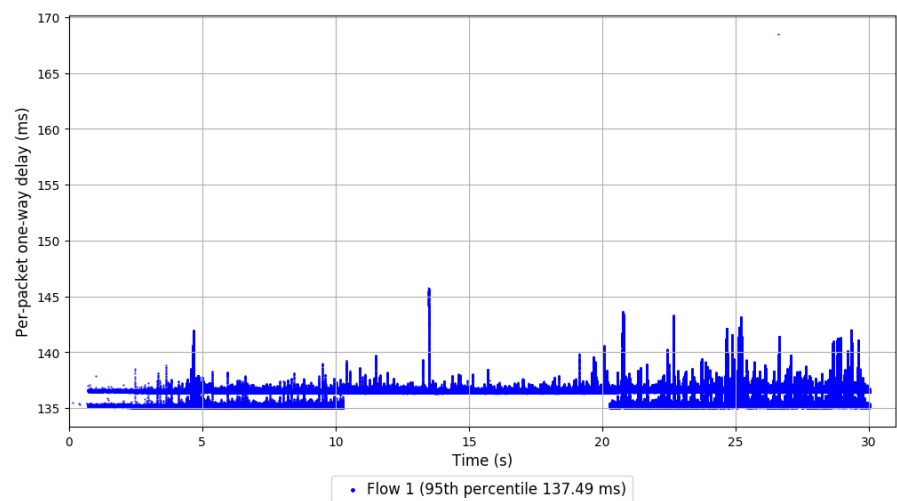
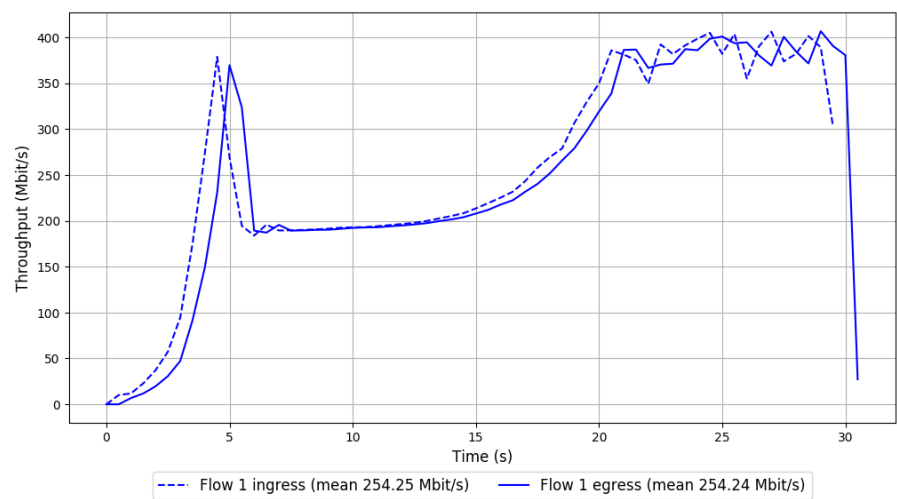


Run 7: Statistics of PCC-Expr

Start at: 2018-07-19 01:25:06
End at: 2018-07-19 01:25:36
Local clock offset: -0.641 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-07-19 04:05:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 254.24 Mbit/s
95th percentile per-packet one-way delay: 137.487 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 254.24 Mbit/s
95th percentile per-packet one-way delay: 137.487 ms
Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link

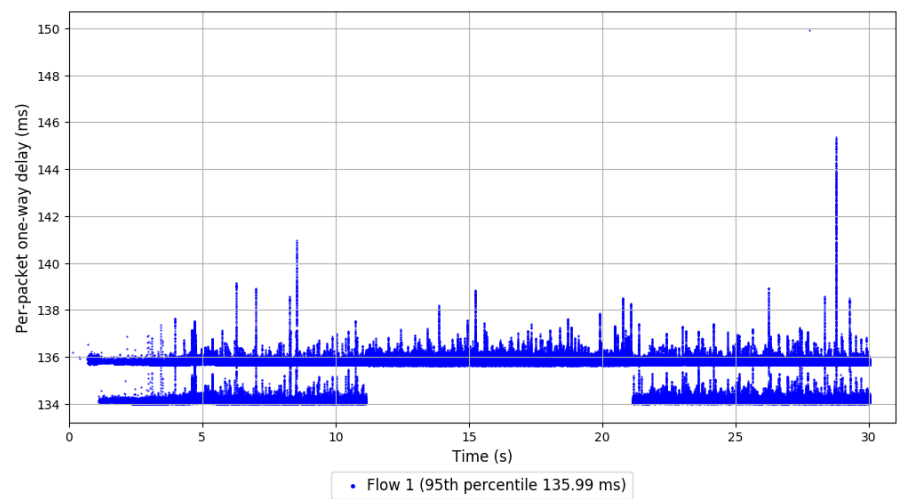
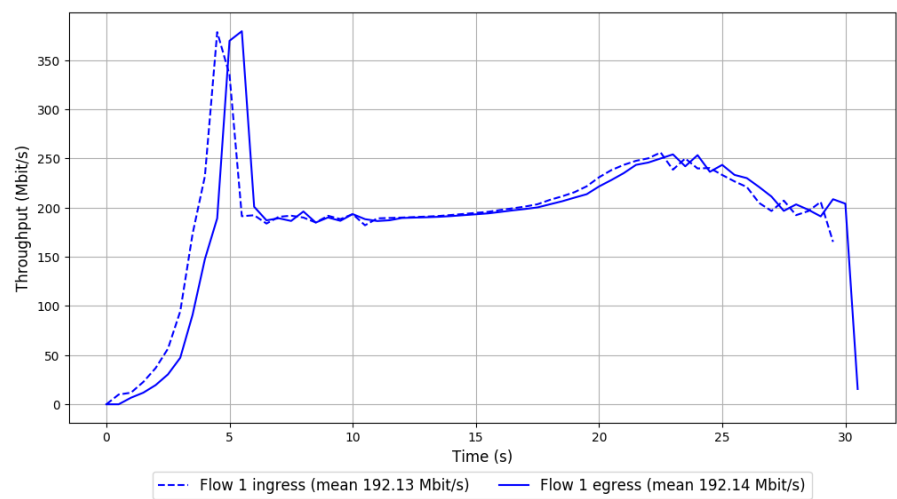


Run 8: Statistics of PCC-Expr

Start at: 2018-07-19 01:48:05
End at: 2018-07-19 01:48:35
Local clock offset: -0.288 ms
Remote clock offset: -0.403 ms

Below is generated by plot.py at 2018-07-19 04:05:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 192.14 Mbit/s
95th percentile per-packet one-way delay: 135.990 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 192.14 Mbit/s
95th percentile per-packet one-way delay: 135.990 ms
Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link

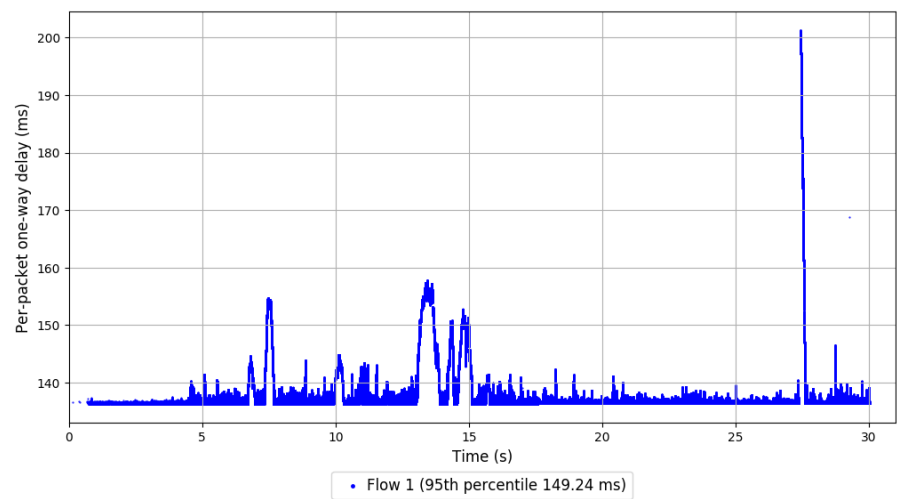
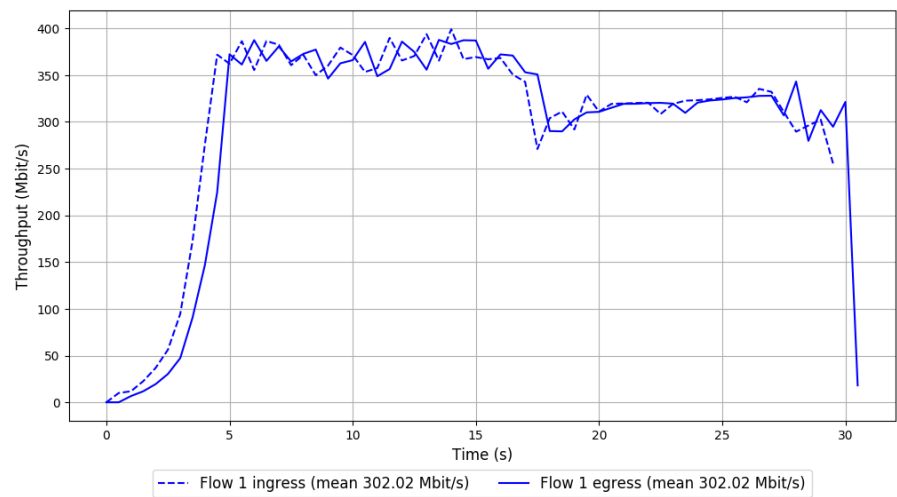


Run 9: Statistics of PCC-Expr

Start at: 2018-07-19 02:10:58
End at: 2018-07-19 02:11:29
Local clock offset: -0.134 ms
Remote clock offset: -0.183 ms

Below is generated by plot.py at 2018-07-19 04:06:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 302.02 Mbit/s
95th percentile per-packet one-way delay: 149.242 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 302.02 Mbit/s
95th percentile per-packet one-way delay: 149.242 ms
Loss rate: 0.00%

Run 9: Report of PCC-Expr — Data Link

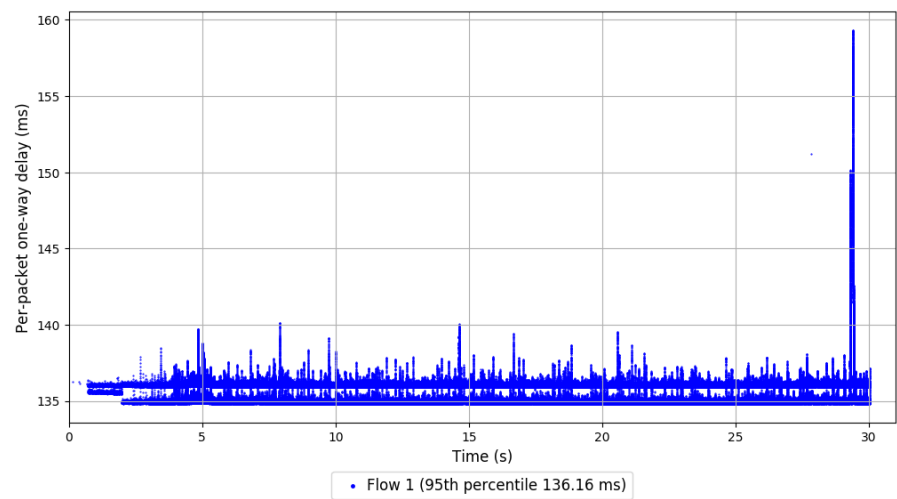
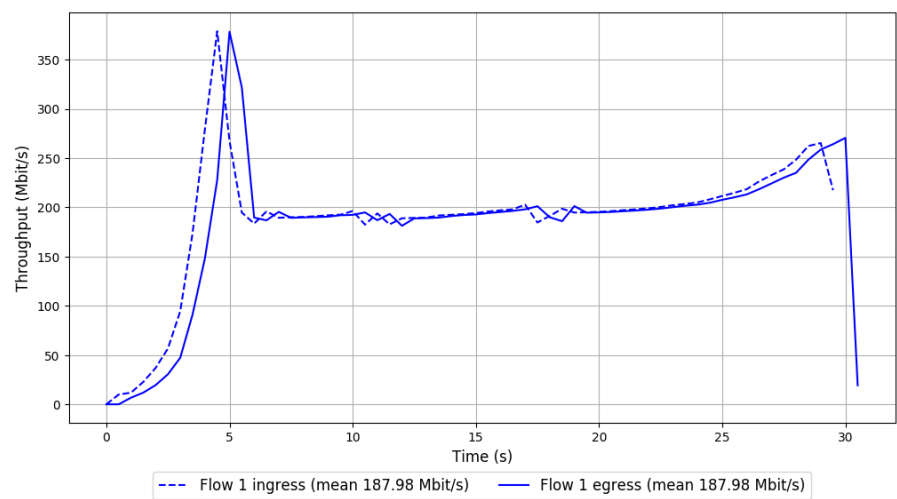


Run 10: Statistics of PCC-Expr

Start at: 2018-07-19 02:33:54
End at: 2018-07-19 02:34:24
Local clock offset: -0.021 ms
Remote clock offset: -0.446 ms

Below is generated by plot.py at 2018-07-19 04:06:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.98 Mbit/s
95th percentile per-packet one-way delay: 136.157 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 187.98 Mbit/s
95th percentile per-packet one-way delay: 136.157 ms
Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

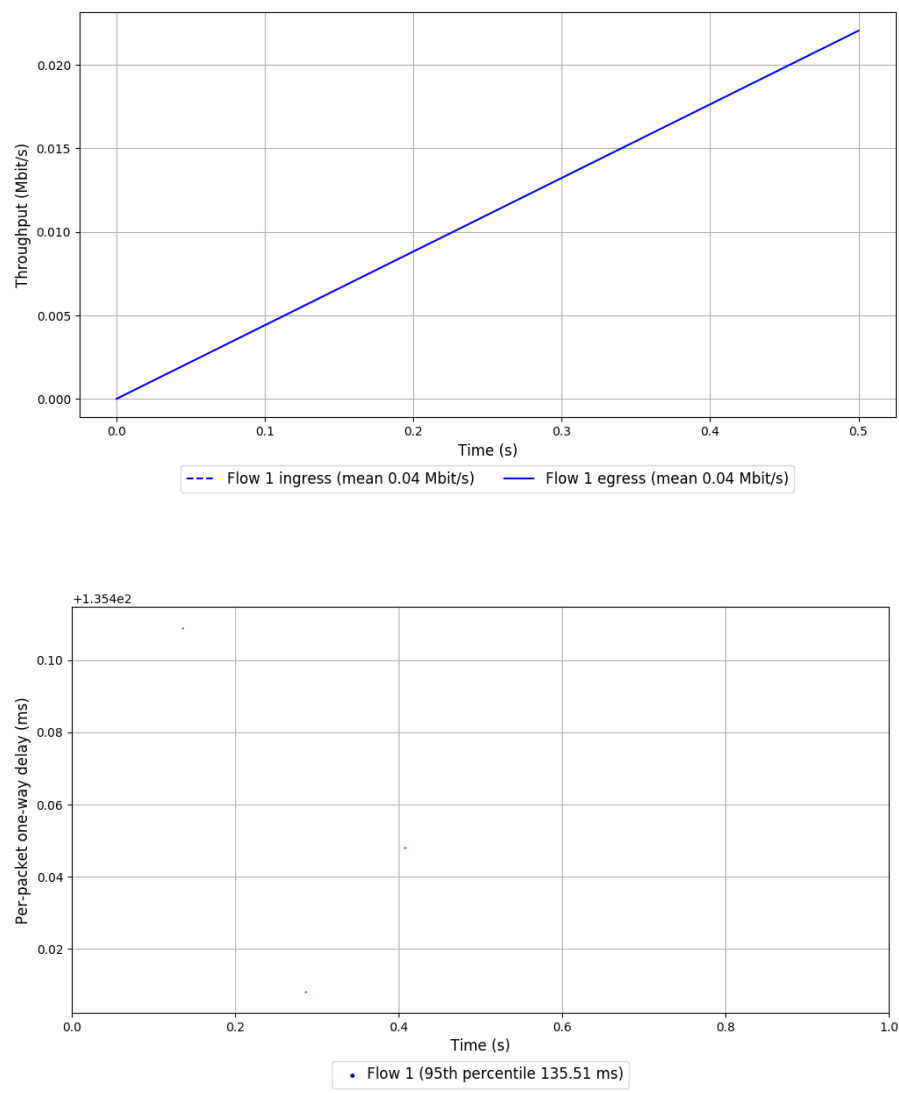
Start at: 2018-07-18 22:58:15

End at: 2018-07-18 22:58:45

Local clock offset: -0.126 ms

Remote clock offset: -0.187 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-18 23:21:14

End at: 2018-07-18 23:21:44

Local clock offset: -0.167 ms

Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-07-19 04:06:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.68 Mbit/s

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

Loss rate: 0.00%

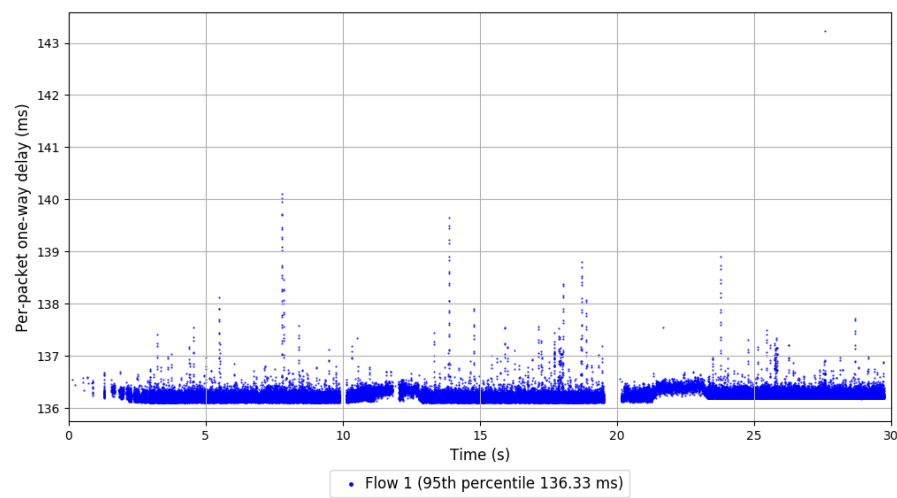
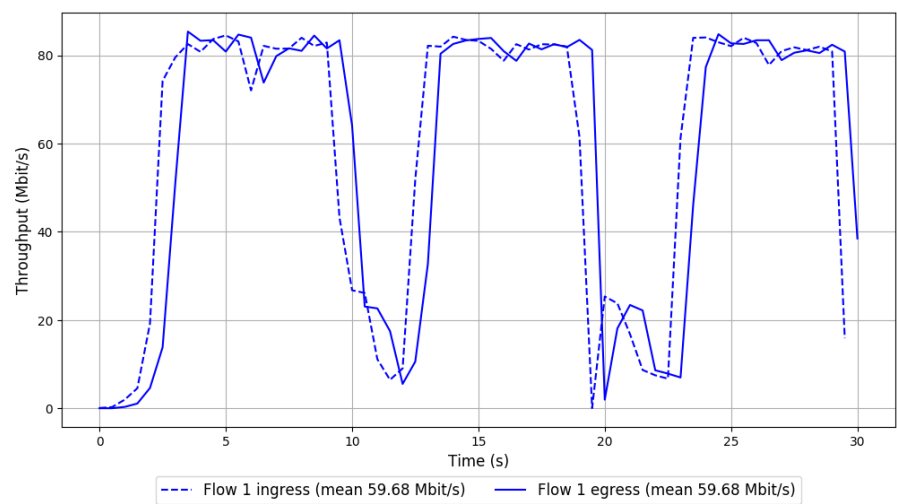
-- Flow 1:

Average throughput: 59.68 Mbit/s

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

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-18 23:43:48

End at: 2018-07-18 23:44:18

Local clock offset: -0.31 ms

Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-07-19 04:06:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.72 Mbit/s

95th percentile per-packet one-way delay: 134.982 ms

Loss rate: 0.00%

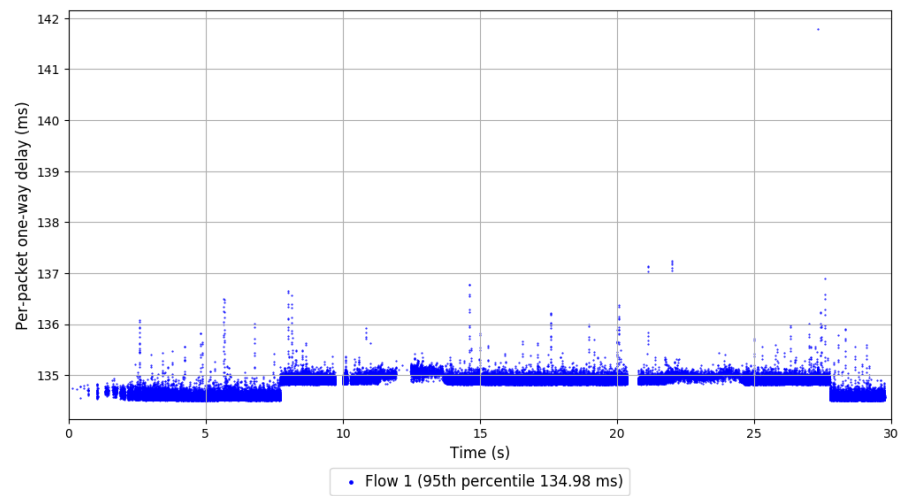
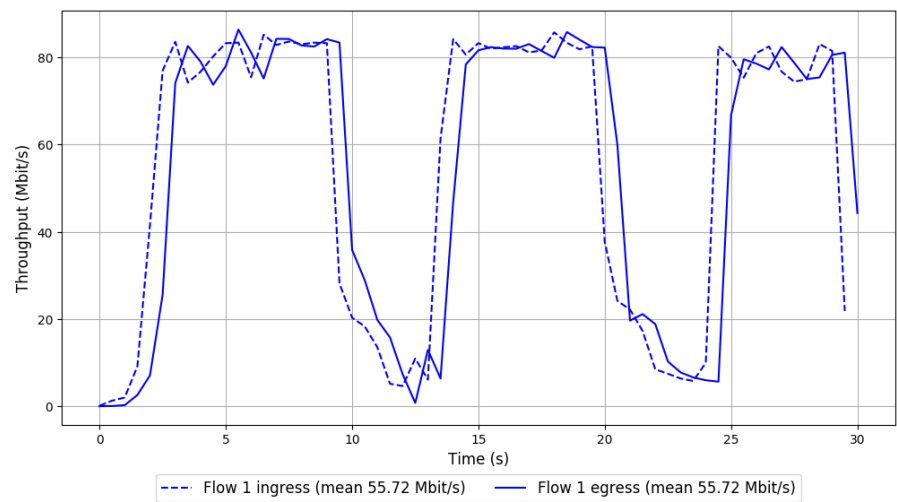
-- Flow 1:

Average throughput: 55.72 Mbit/s

95th percentile per-packet one-way delay: 134.982 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-19 00:06:38

End at: 2018-07-19 00:07:08

Local clock offset: -0.265 ms

Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-19 04:06:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.37 Mbit/s

95th percentile per-packet one-way delay: 135.954 ms

Loss rate: 0.00%

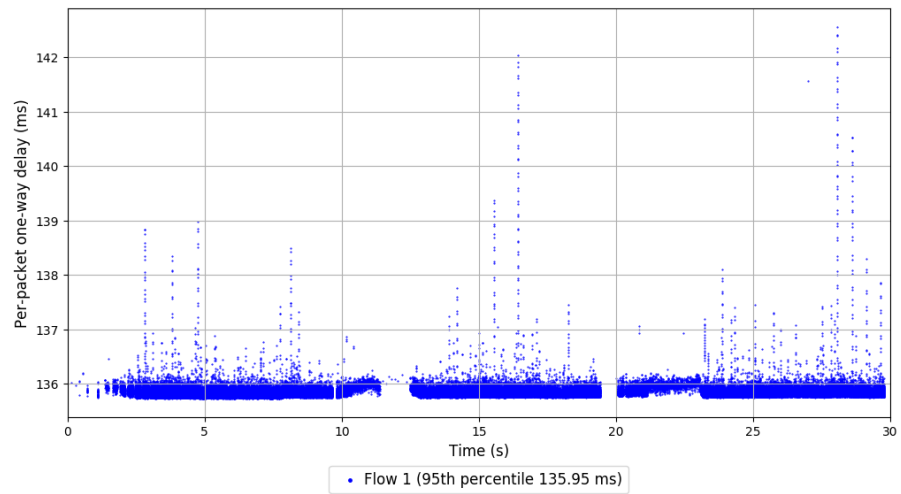
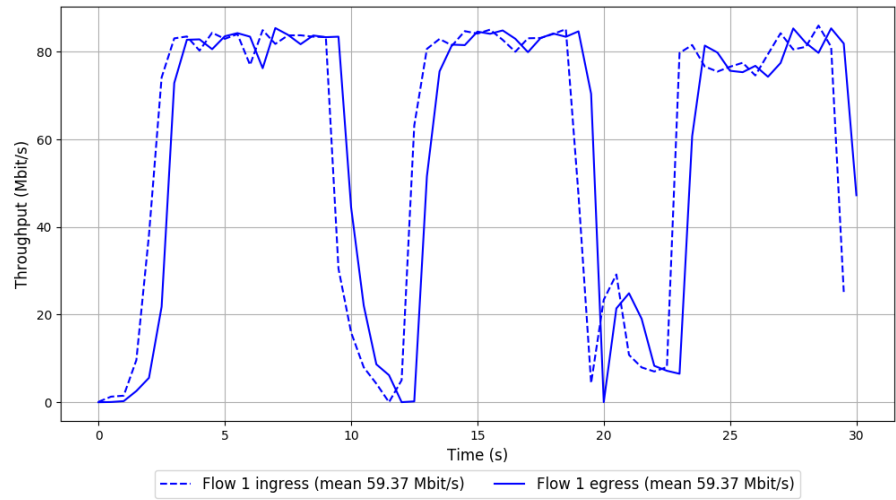
-- Flow 1:

Average throughput: 59.37 Mbit/s

95th percentile per-packet one-way delay: 135.954 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-19 00:29:32

End at: 2018-07-19 00:30:02

Local clock offset: -0.255 ms

Remote clock offset: -0.156 ms

Below is generated by plot.py at 2018-07-19 04:06:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.29 Mbit/s

95th percentile per-packet one-way delay: 135.804 ms

Loss rate: 0.00%

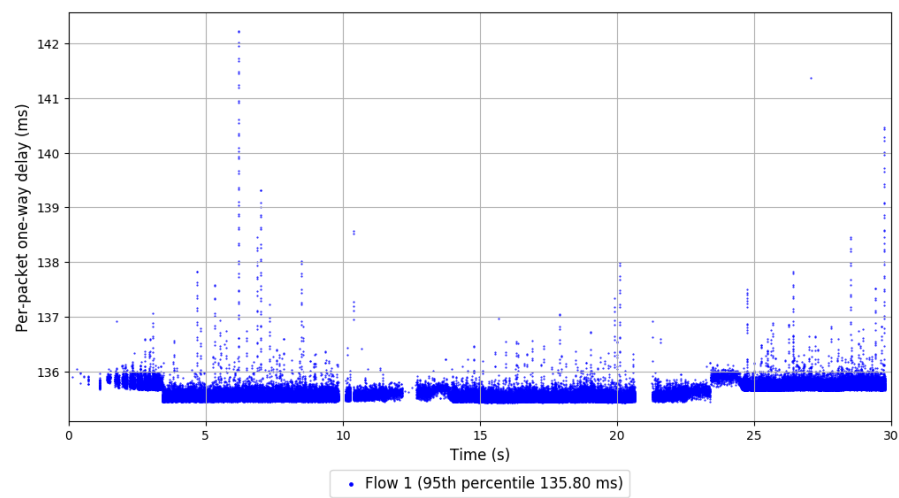
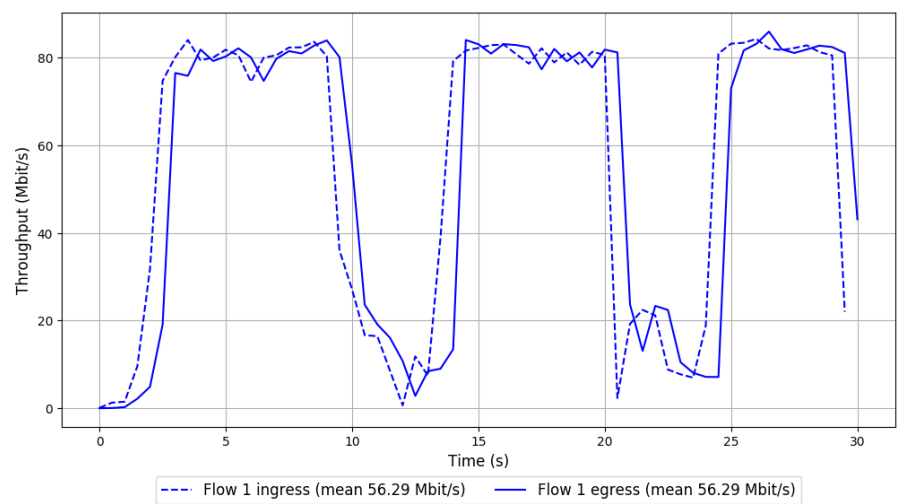
-- Flow 1:

Average throughput: 56.29 Mbit/s

95th percentile per-packet one-way delay: 135.804 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

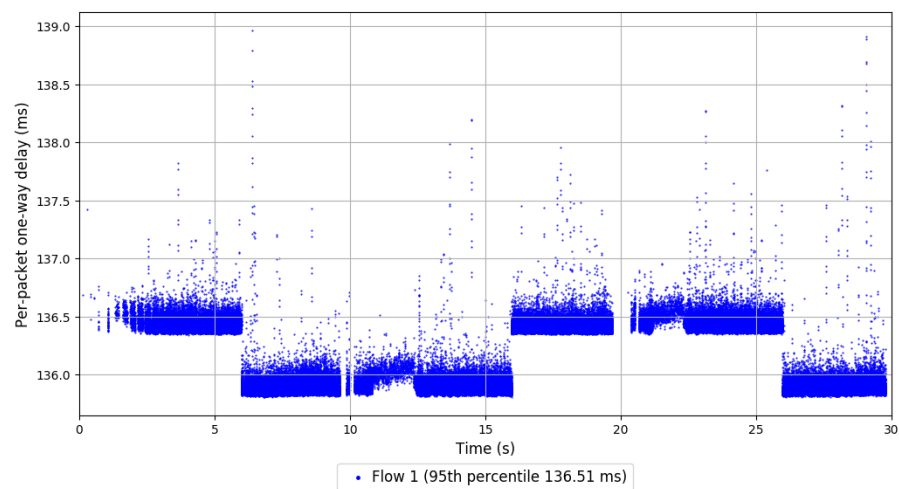
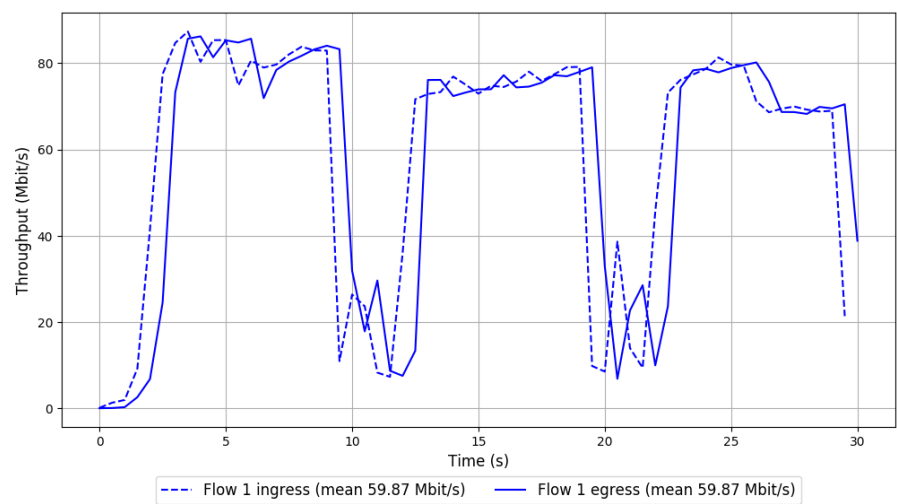


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-19 00:52:30
End at: 2018-07-19 00:53:00
Local clock offset: -0.399 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-19 04:06:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.87 Mbit/s
95th percentile per-packet one-way delay: 136.512 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.87 Mbit/s
95th percentile per-packet one-way delay: 136.512 ms
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

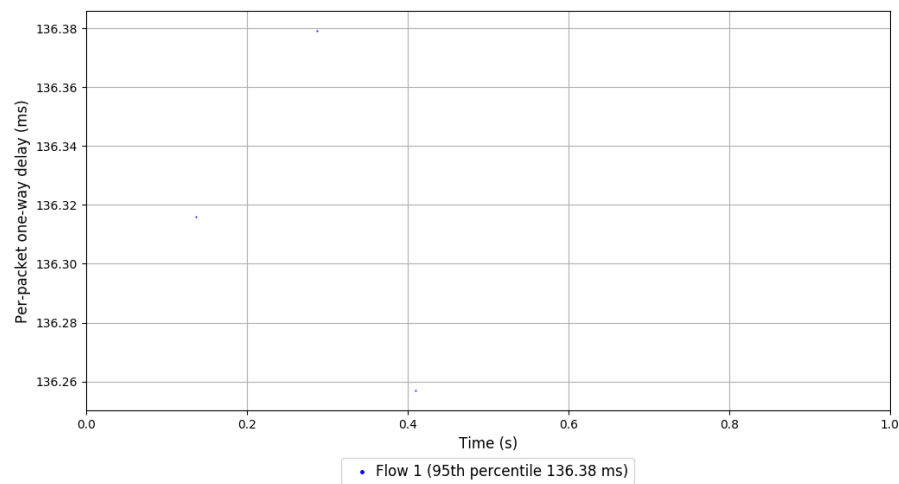
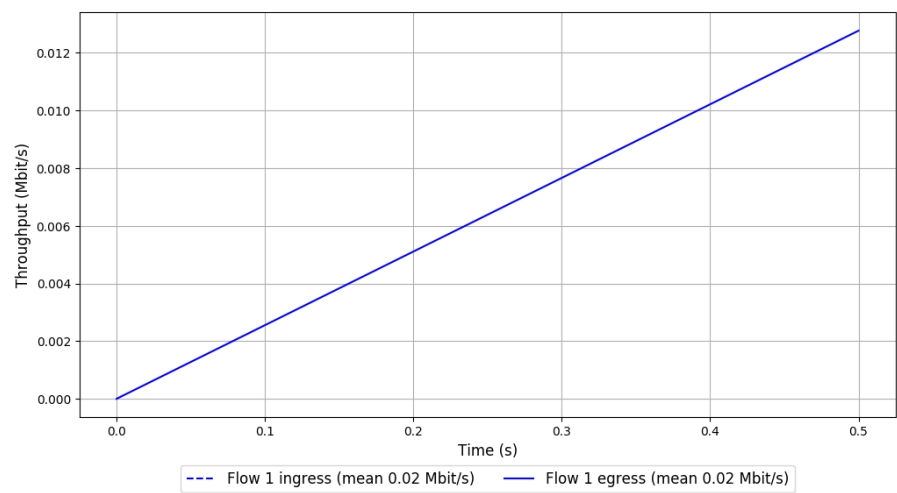
Start at: 2018-07-19 01:15:07

End at: 2018-07-19 01:15:38

Local clock offset: -0.557 ms

Remote clock offset: -0.308 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

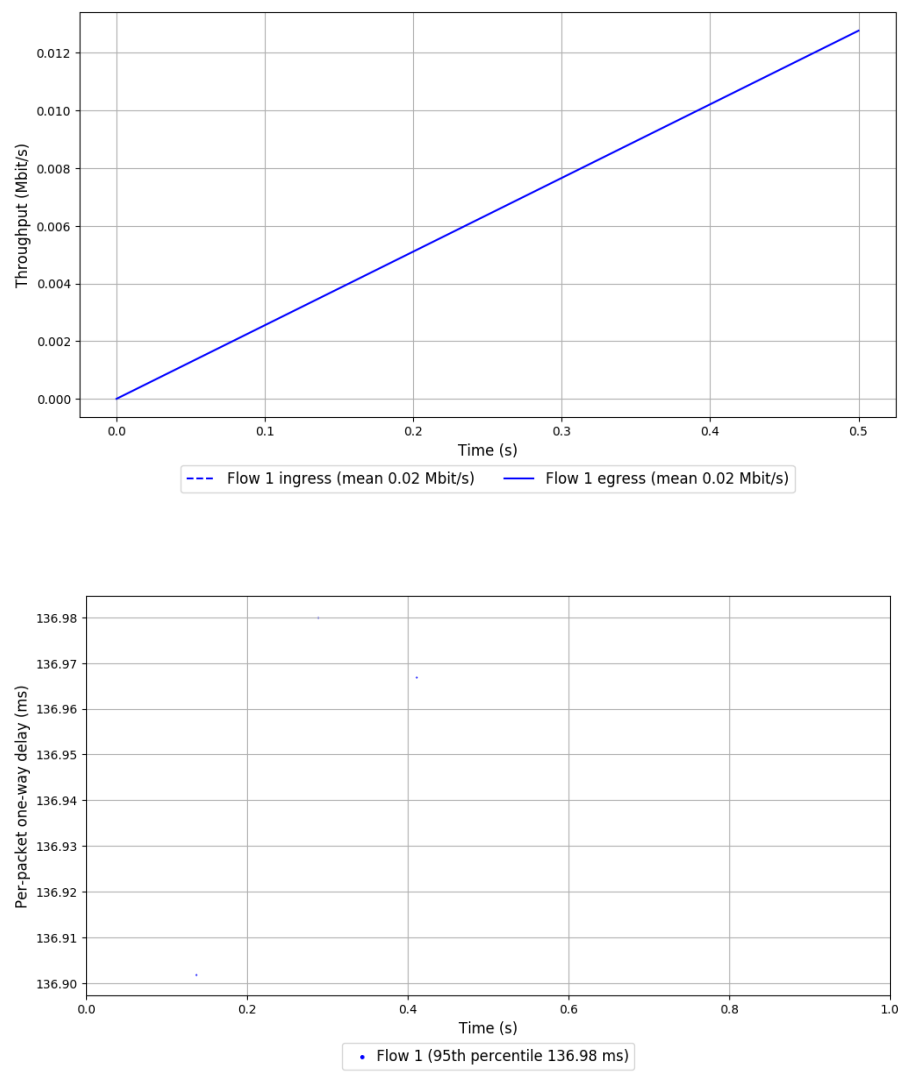
Start at: 2018-07-19 01:37:51

End at: 2018-07-19 01:38:21

Local clock offset: -0.696 ms

Remote clock offset: -0.027 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-19 02:00:56

End at: 2018-07-19 02:01:26

Local clock offset: -0.157 ms

Remote clock offset: 0.258 ms

Below is generated by plot.py at 2018-07-19 04:06:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.59 Mbit/s

95th percentile per-packet one-way delay: 136.885 ms

Loss rate: 0.00%

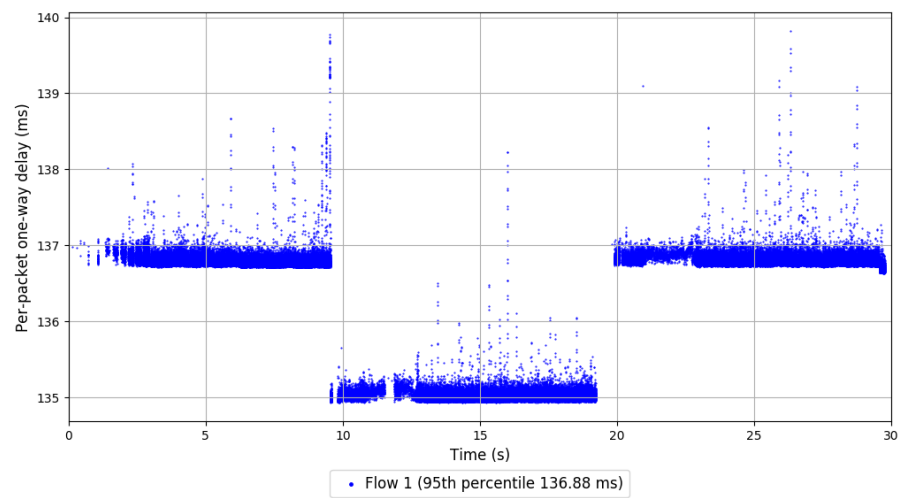
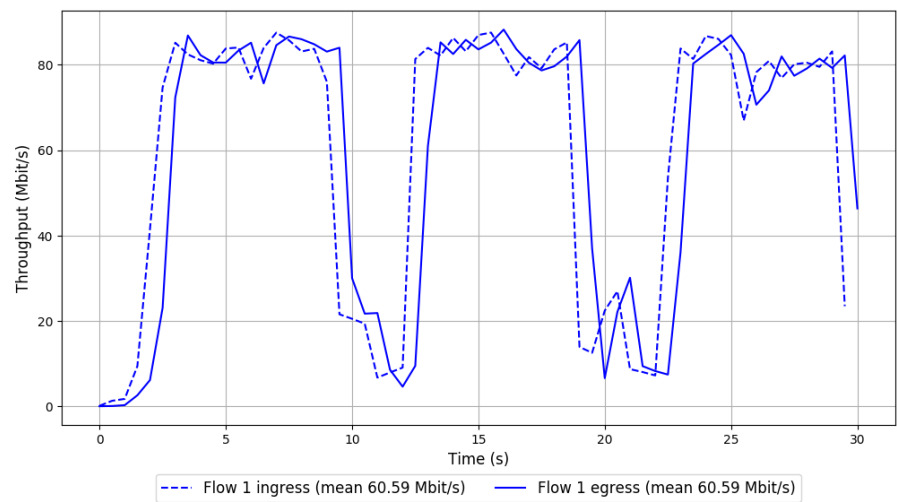
-- Flow 1:

Average throughput: 60.59 Mbit/s

95th percentile per-packet one-way delay: 136.885 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-19 02:23:32

End at: 2018-07-19 02:24:02

Local clock offset: 0.03 ms

Remote clock offset: -0.164 ms

Below is generated by plot.py at 2018-07-19 04:06:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.71 Mbit/s

95th percentile per-packet one-way delay: 136.517 ms

Loss rate: 0.00%

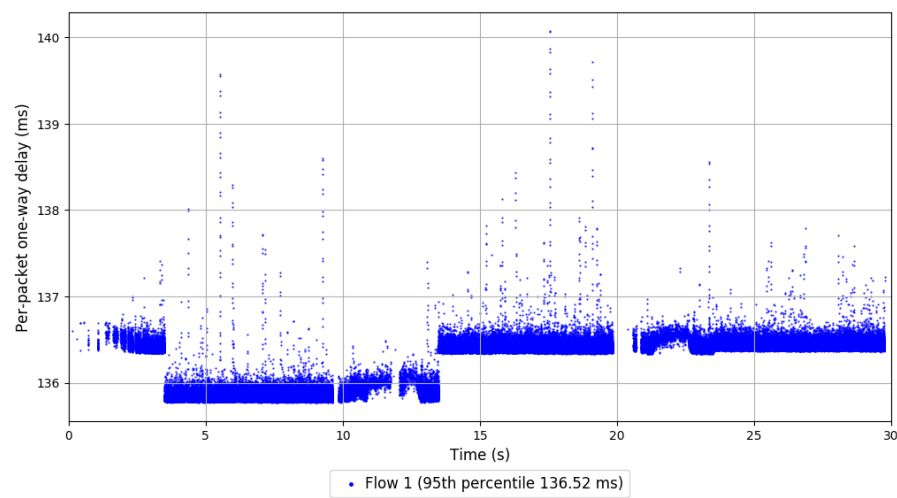
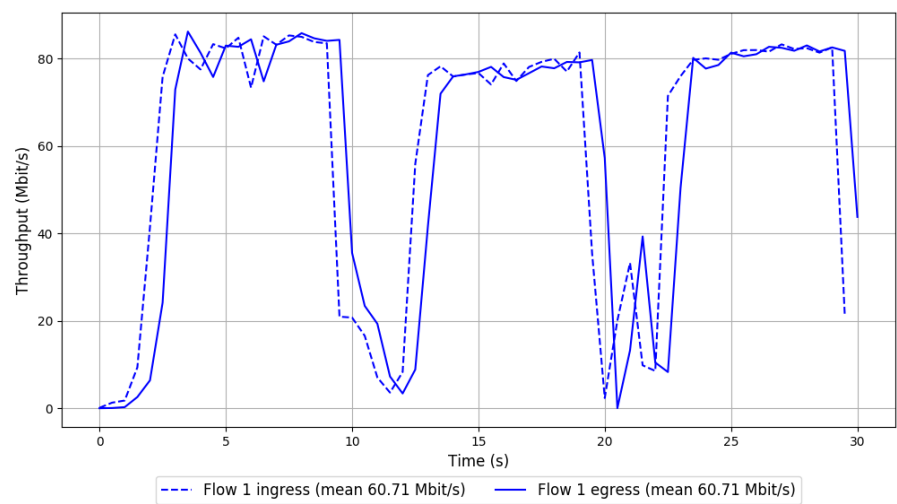
-- Flow 1:

Average throughput: 60.71 Mbit/s

95th percentile per-packet one-way delay: 136.517 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

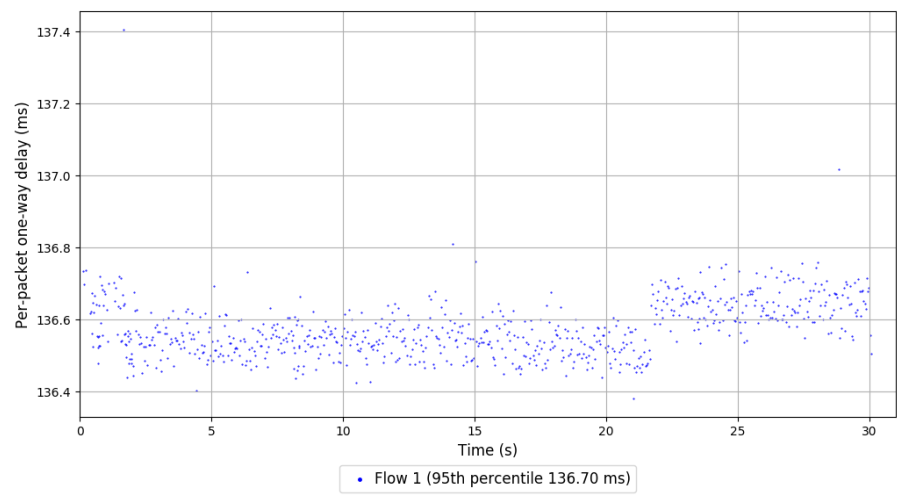
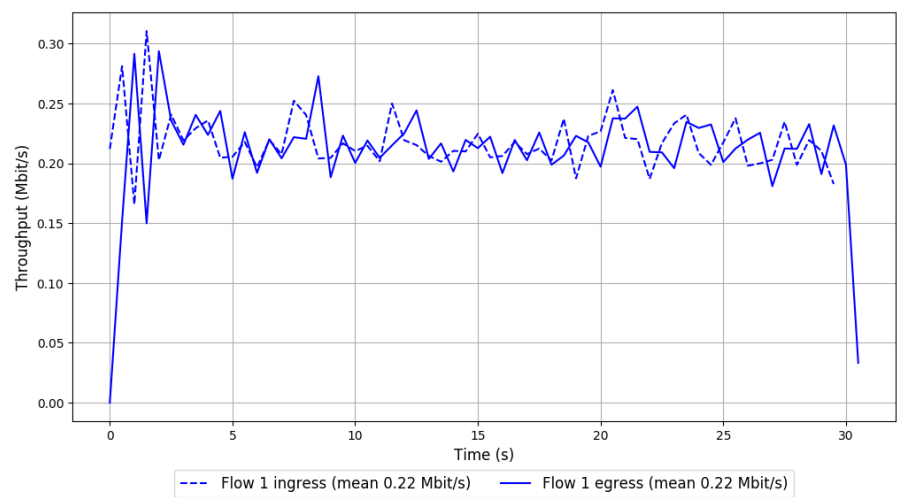


```
Run 1: Statistics of SCReAM

Start at: 2018-07-18 23:04:24
End at: 2018-07-18 23:04:54
Local clock offset: -0.218 ms
Remote clock offset: -0.13 ms

# Below is generated by plot.py at 2018-07-19 04:06:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.701 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.701 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

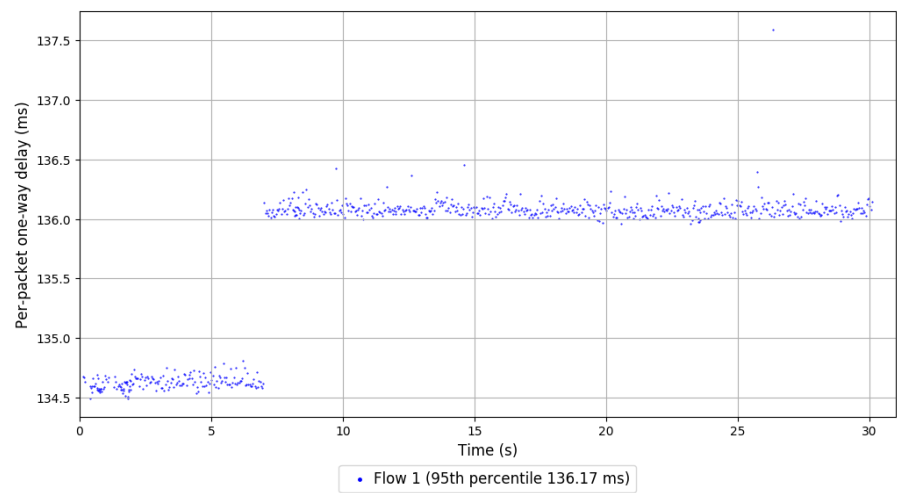
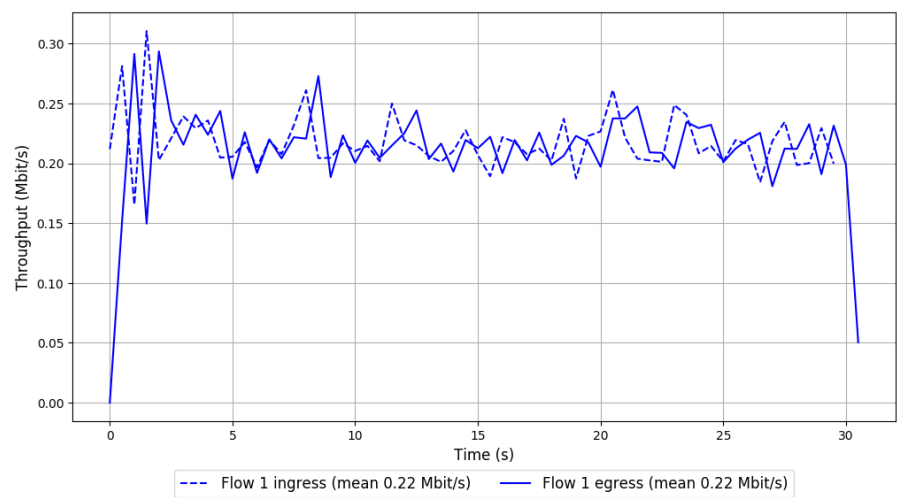


```
Run 2: Statistics of SCReAM

Start at: 2018-07-18 23:27:09
End at: 2018-07-18 23:27:39
Local clock offset: -0.135 ms
Remote clock offset: -0.44 ms

# Below is generated by plot.py at 2018-07-19 04:06:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.169 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.169 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link

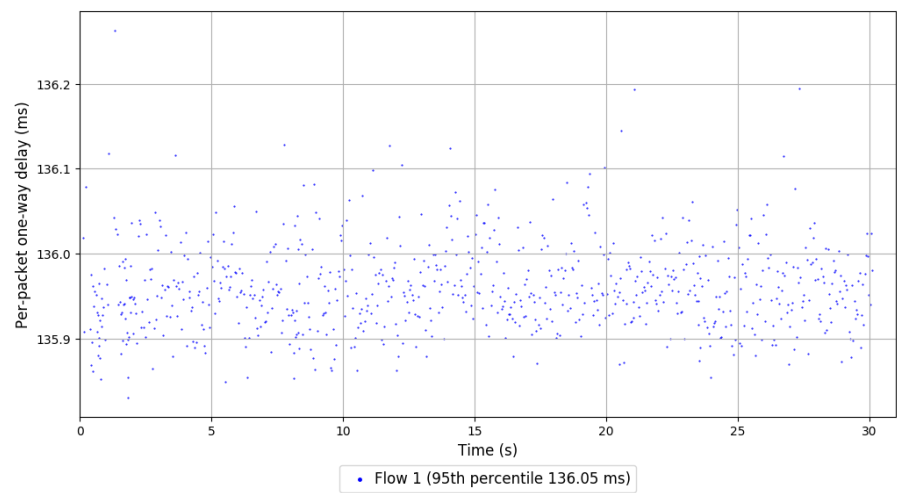
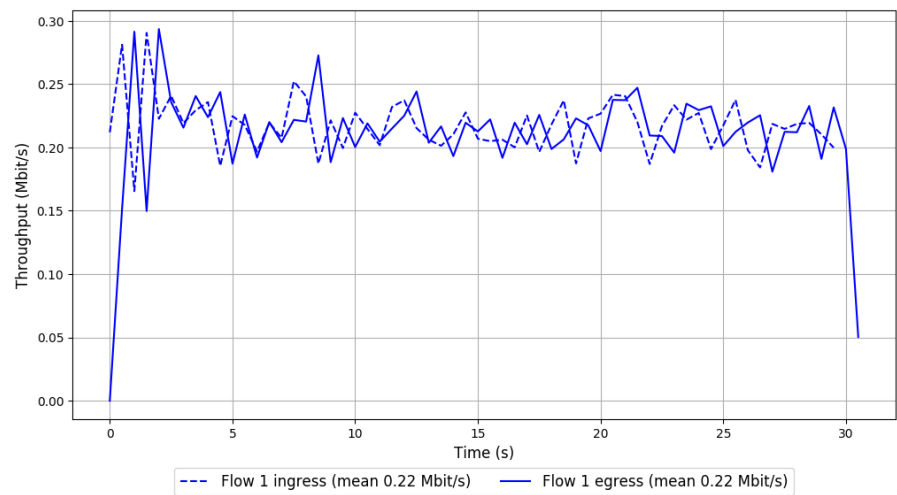


Run 3: Statistics of SCReAM

Start at: 2018-07-18 23:49:42
End at: 2018-07-18 23:50:12
Local clock offset: -0.39 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-19 04:06:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.047 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.047 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

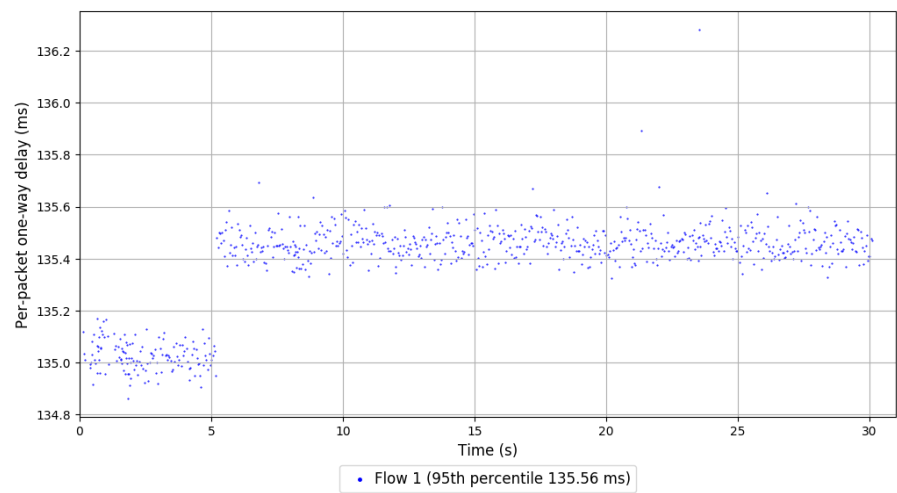
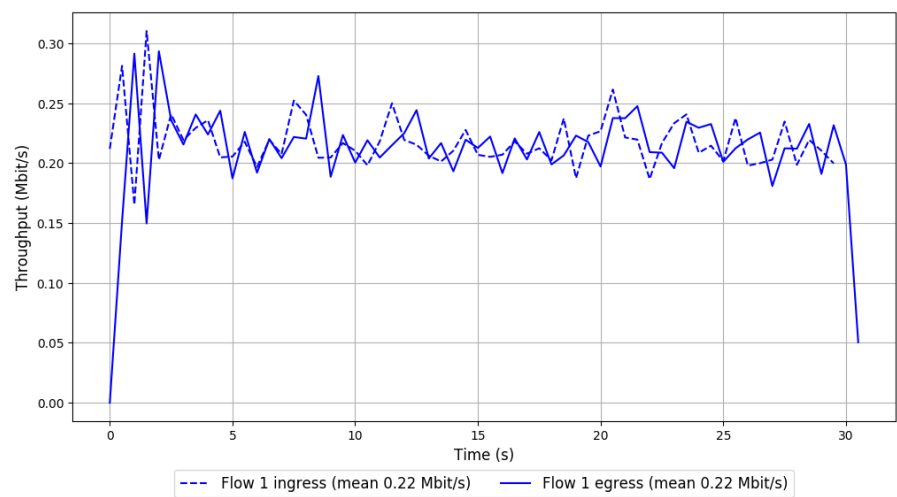


Run 4: Statistics of SCReAM

Start at: 2018-07-19 00:12:51
End at: 2018-07-19 00:13:21
Local clock offset: -0.22 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-07-19 04:06:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.559 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.559 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

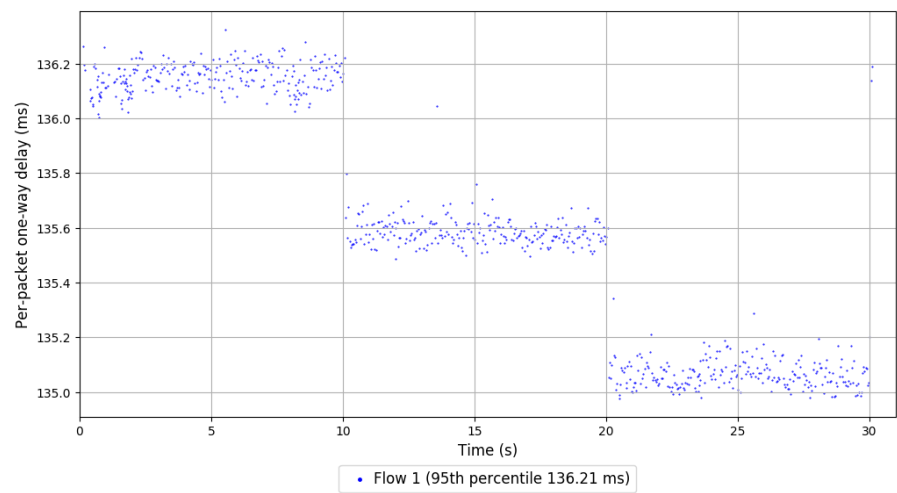
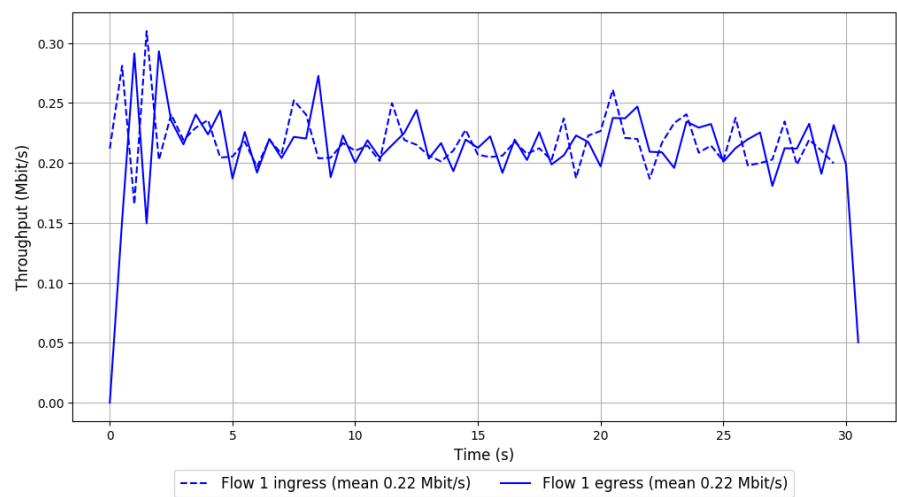


Run 5: Statistics of SCReAM

Start at: 2018-07-19 00:35:26
End at: 2018-07-19 00:35:56
Local clock offset: -0.264 ms
Remote clock offset: -0.503 ms

Below is generated by plot.py at 2018-07-19 04:06:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.208 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.208 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

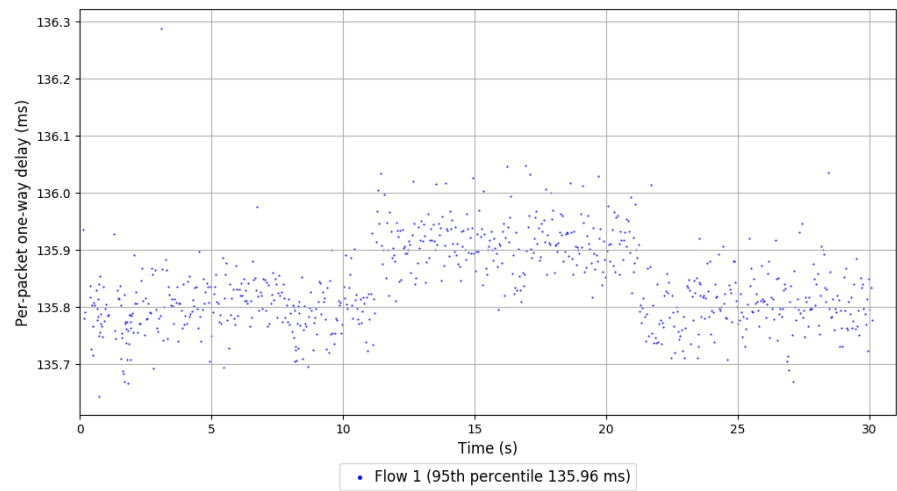
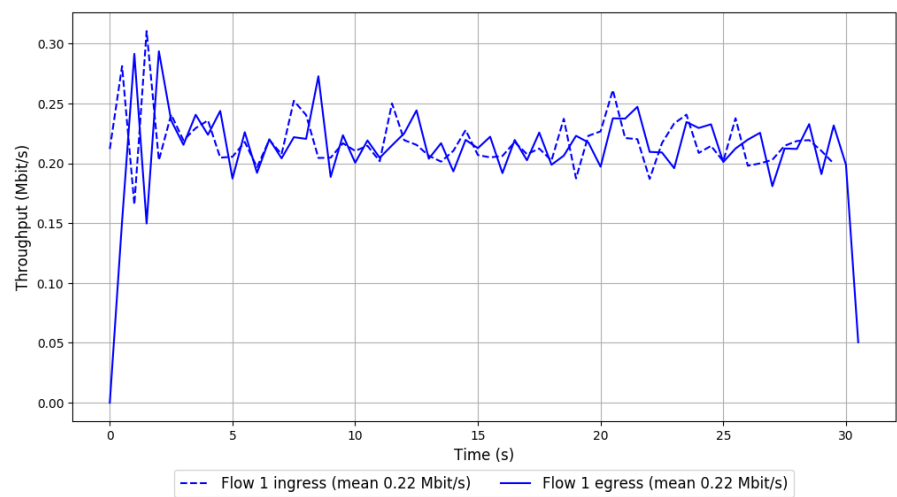


Run 6: Statistics of SCReAM

Start at: 2018-07-19 00:58:25
End at: 2018-07-19 00:58:55
Local clock offset: -0.377 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-19 04:06:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.959 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.959 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

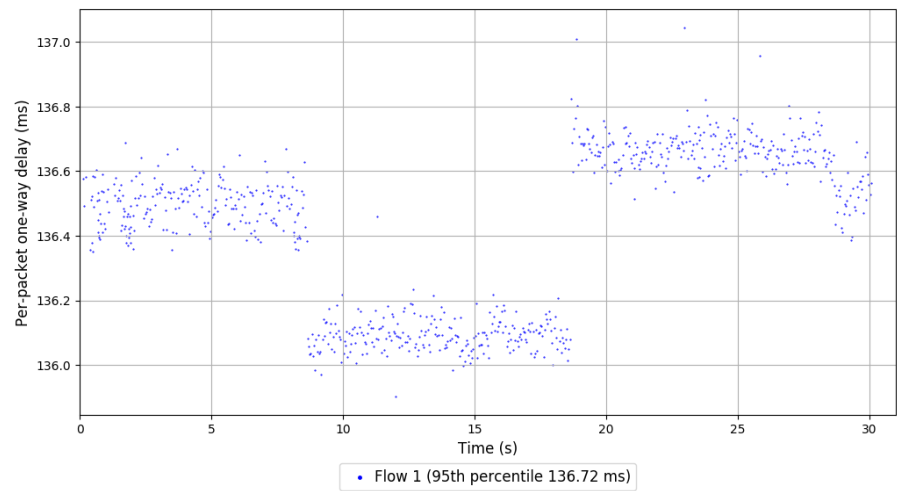
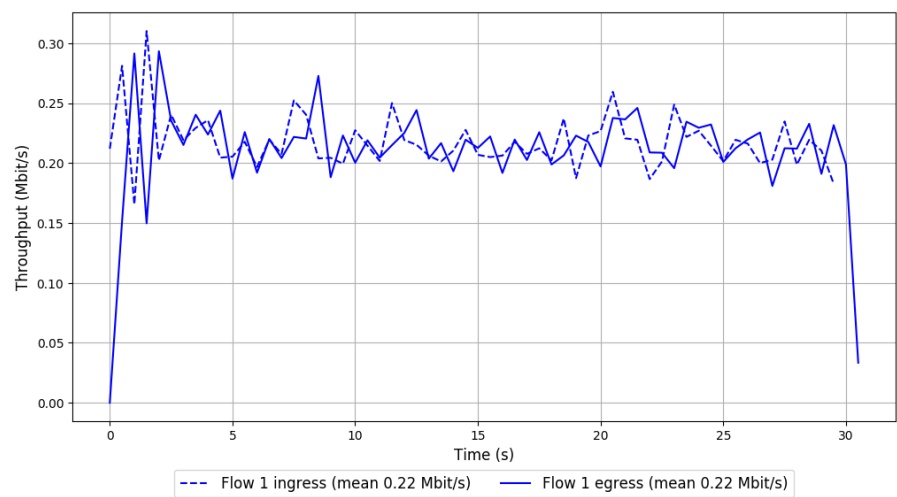


Run 7: Statistics of SCReAM

Start at: 2018-07-19 01:20:57
End at: 2018-07-19 01:21:27
Local clock offset: -0.387 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-19 04:06:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.717 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.717 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

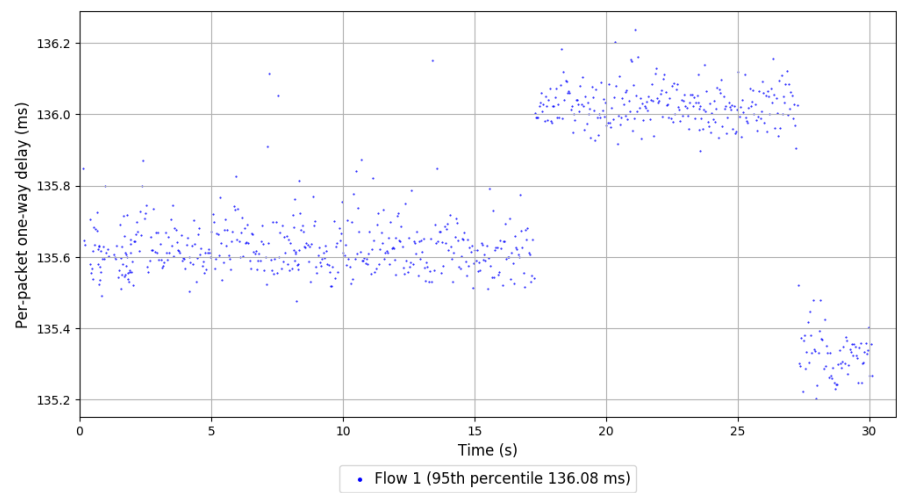
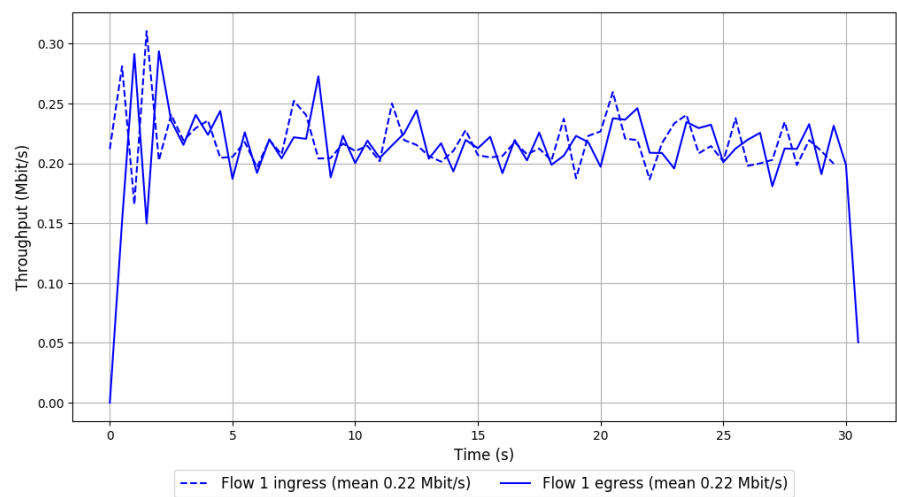


Run 8: Statistics of SCReAM

Start at: 2018-07-19 01:43:59
End at: 2018-07-19 01:44:29
Local clock offset: -0.213 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-07-19 04:06:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.078 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.078 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

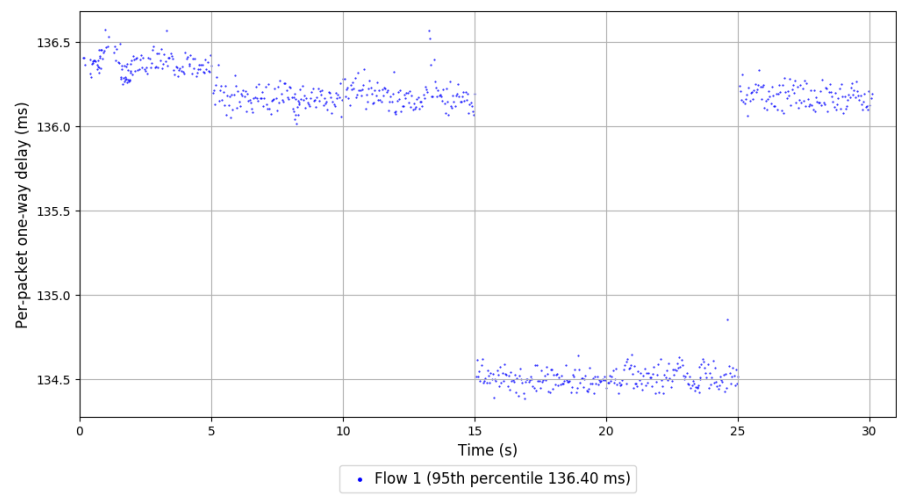
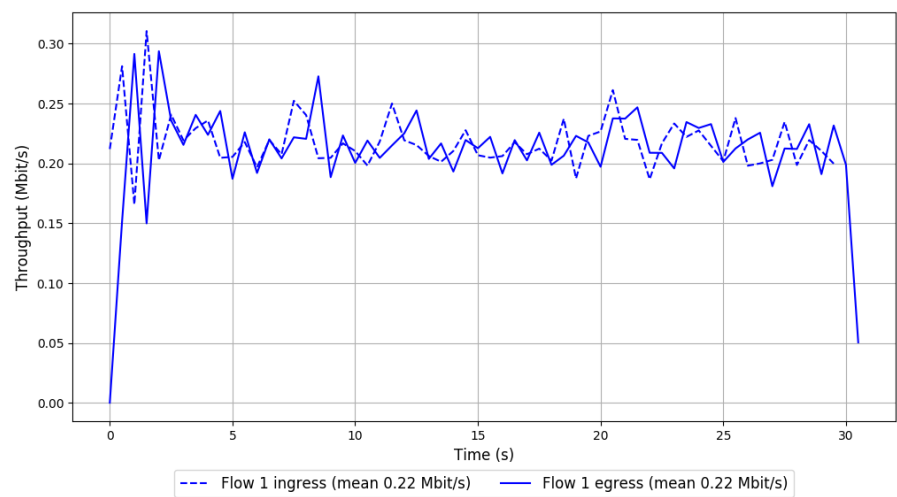


Run 9: Statistics of SCReAM

Start at: 2018-07-19 02:06:51
End at: 2018-07-19 02:07:21
Local clock offset: -0.106 ms
Remote clock offset: -0.523 ms

Below is generated by plot.py at 2018-07-19 04:06:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.404 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.404 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-07-19 02:29:46

End at: 2018-07-19 02:30:16

Local clock offset: -0.044 ms

Remote clock offset: 0.275 ms

Below is generated by plot.py at 2018-07-19 04:06:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.074 ms

Loss rate: 0.00%

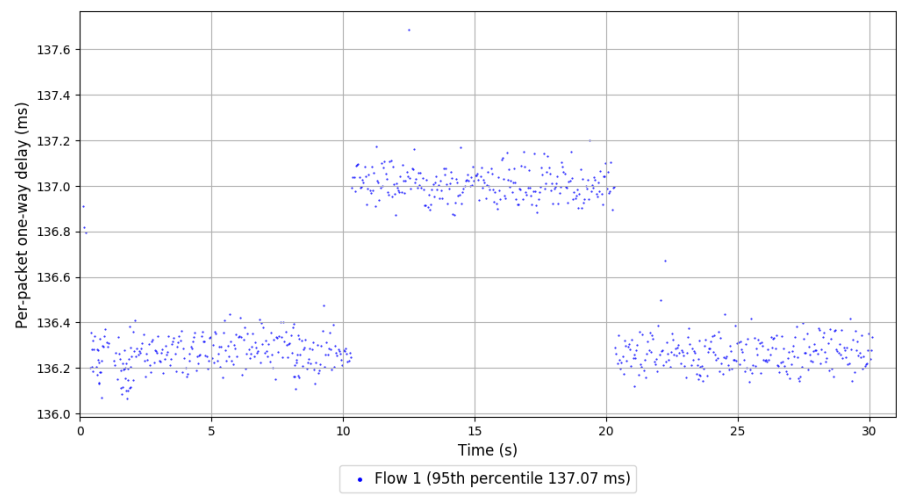
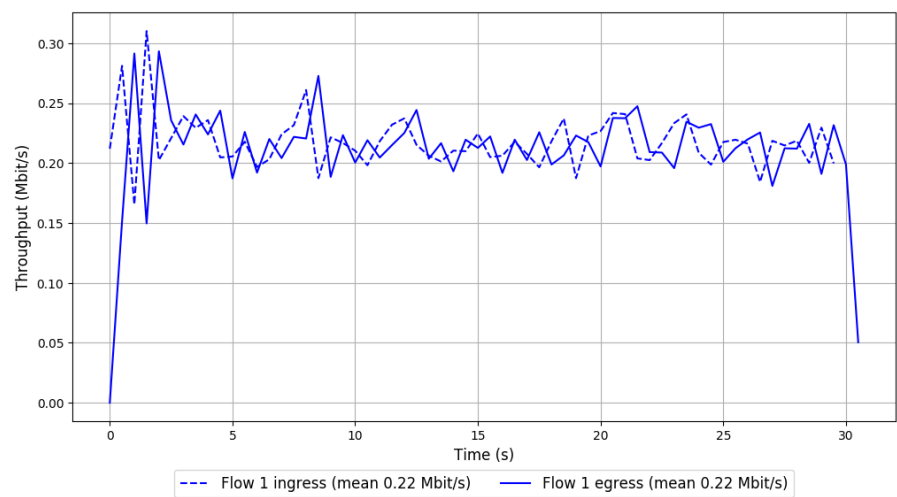
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.074 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

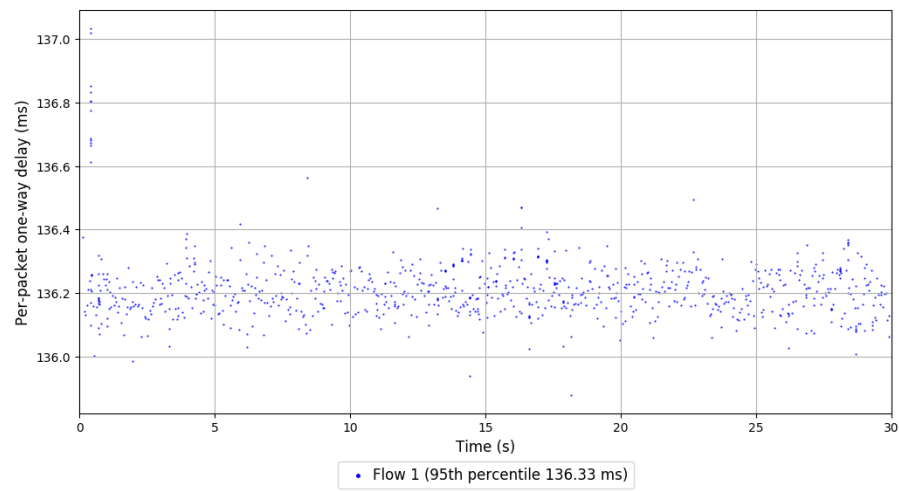
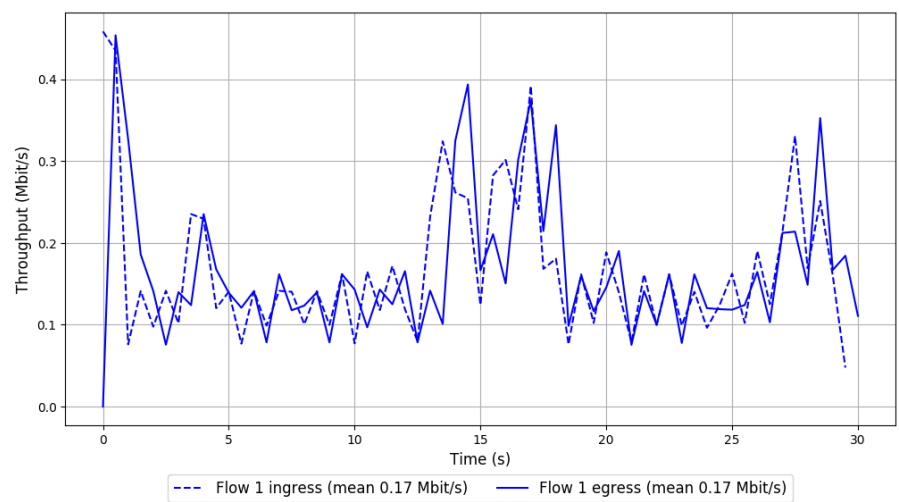


Run 1: Statistics of Sprout

Start at: 2018-07-18 23:03:16
End at: 2018-07-18 23:03:46
Local clock offset: -0.128 ms
Remote clock offset: -0.523 ms

Below is generated by plot.py at 2018-07-19 04:06:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.333 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.333 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-07-18 23:26:01

End at: 2018-07-18 23:26:31

Local clock offset: -0.279 ms

Remote clock offset: 0.281 ms

Below is generated by plot.py at 2018-07-19 04:06:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 137.323 ms

Loss rate: 0.00%

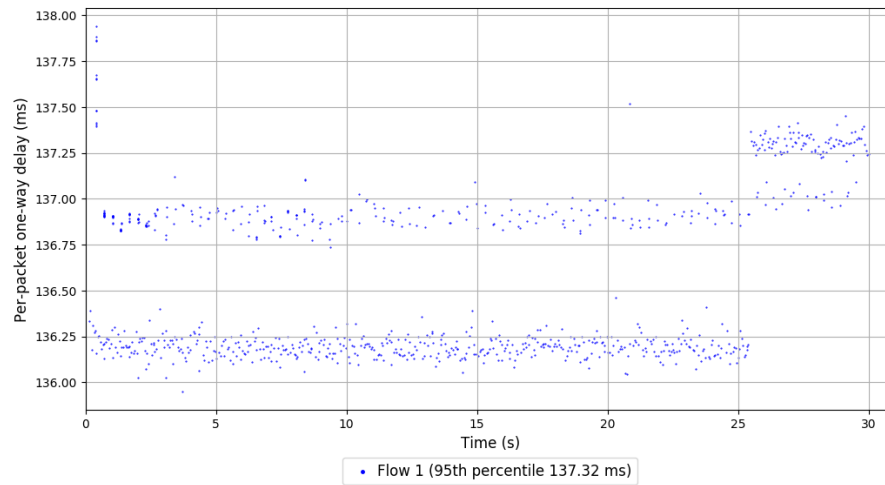
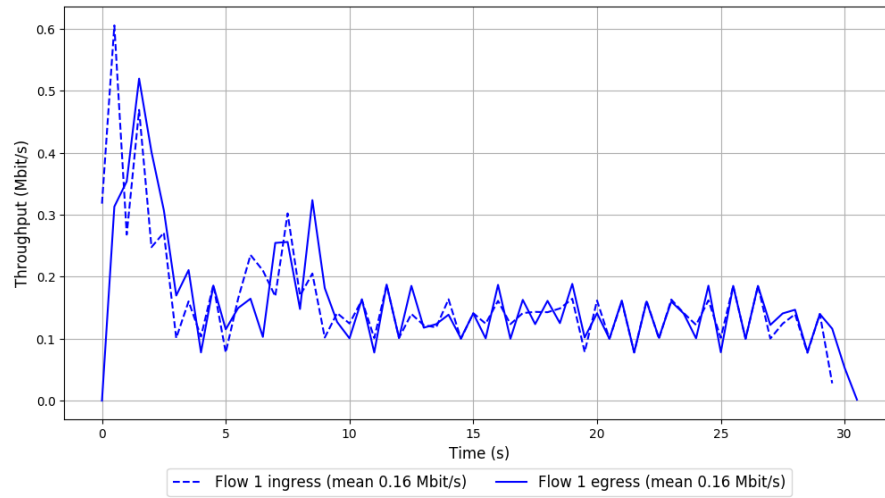
-- Flow 1:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 137.323 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

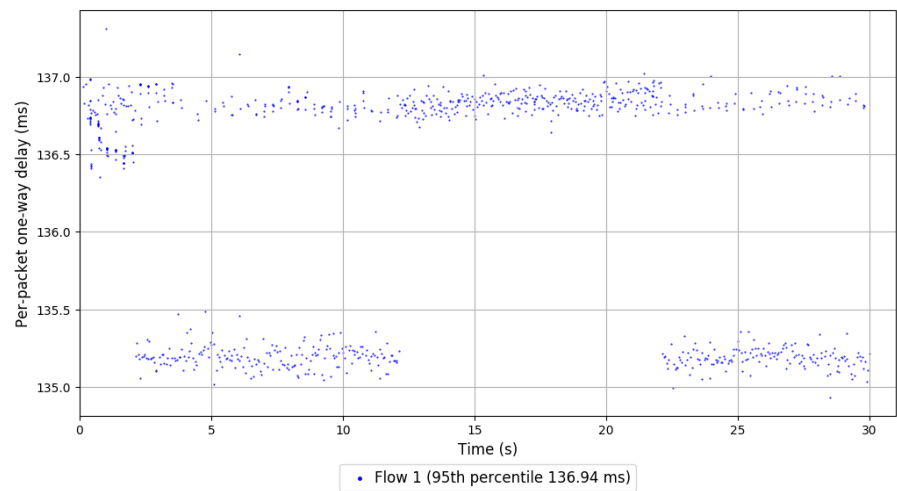
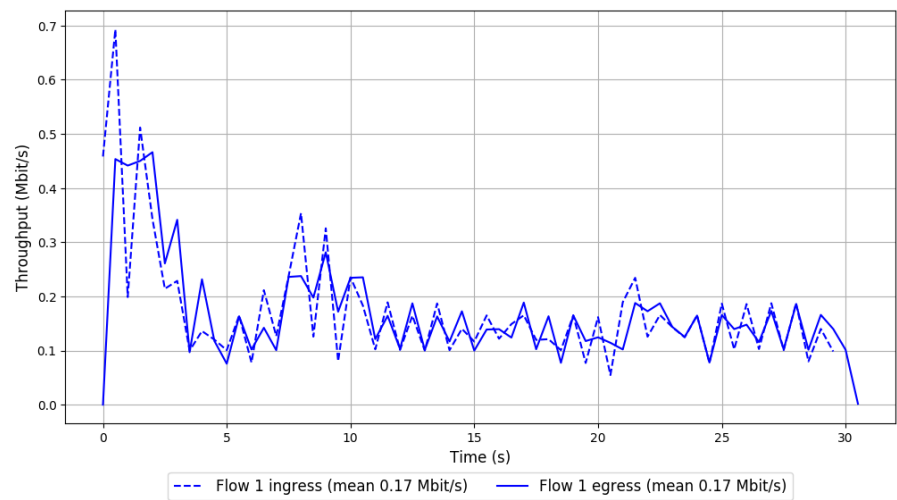


Run 3: Statistics of Sprout

Start at: 2018-07-18 23:48:34
End at: 2018-07-18 23:49:04
Local clock offset: -0.243 ms
Remote clock offset: 0.317 ms

Below is generated by plot.py at 2018-07-19 04:06:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.935 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.935 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

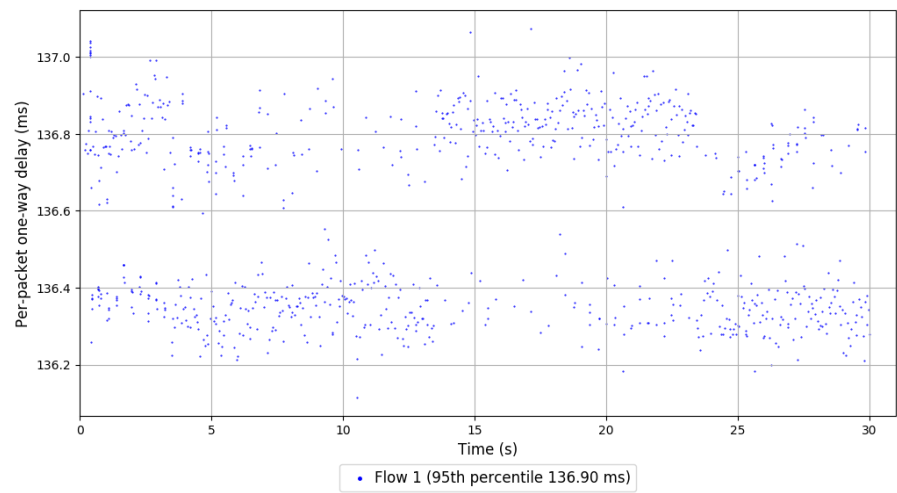
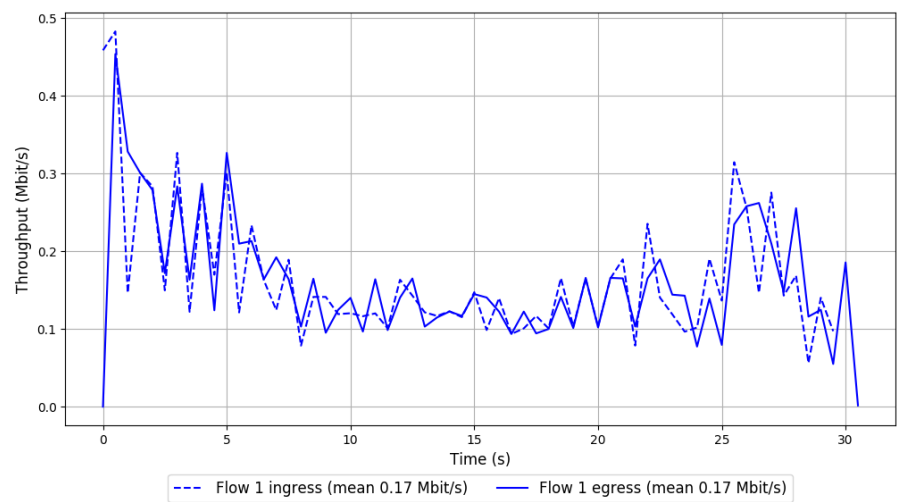


Run 4: Statistics of Sprout

Start at: 2018-07-19 00:11:43
End at: 2018-07-19 00:12:13
Local clock offset: -0.174 ms
Remote clock offset: 0.287 ms

Below is generated by plot.py at 2018-07-19 04:06:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.903 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.903 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

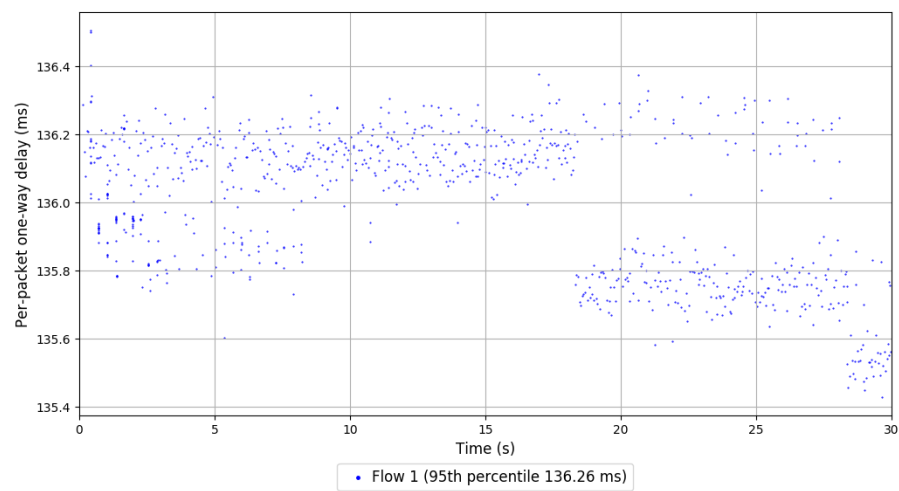
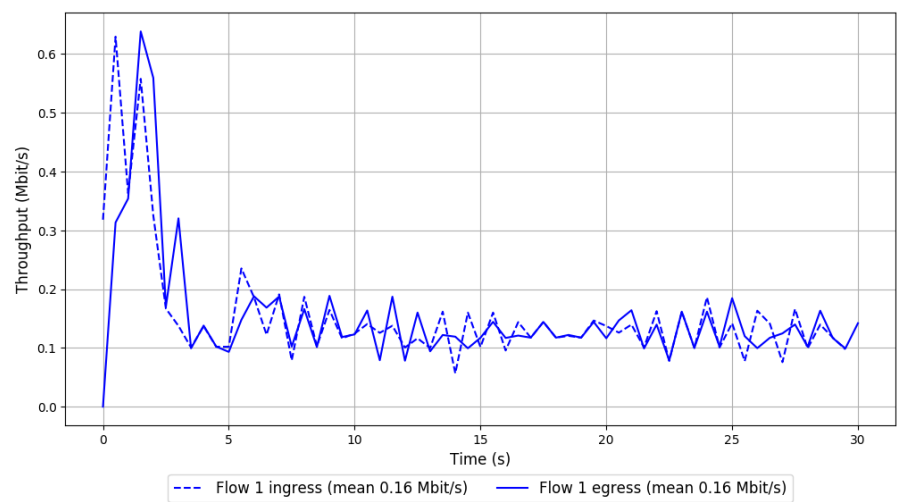


Run 5: Statistics of Sprout

Start at: 2018-07-19 00:34:18
End at: 2018-07-19 00:34:48
Local clock offset: -0.395 ms
Remote clock offset: -0.523 ms

Below is generated by plot.py at 2018-07-19 04:06:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.264 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.264 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

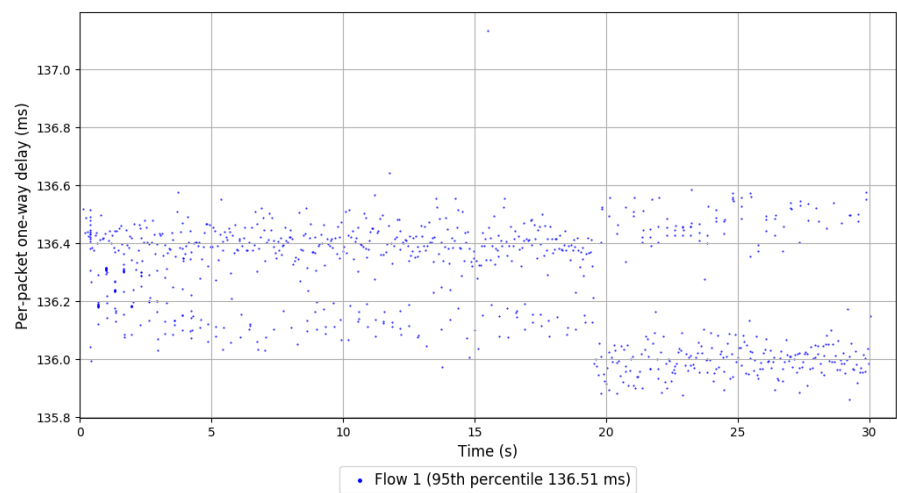
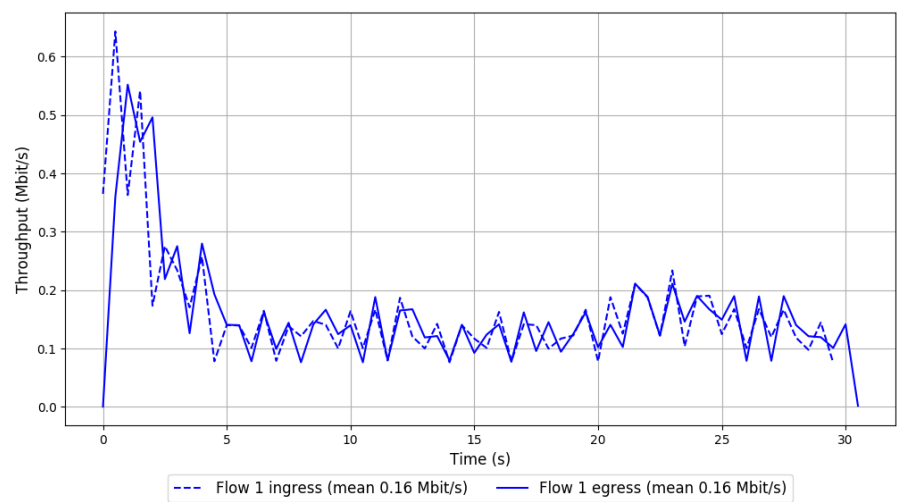


Run 6: Statistics of Sprout

Start at: 2018-07-19 00:57:17
End at: 2018-07-19 00:57:47
Local clock offset: -0.386 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-19 04:06:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.510 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.510 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

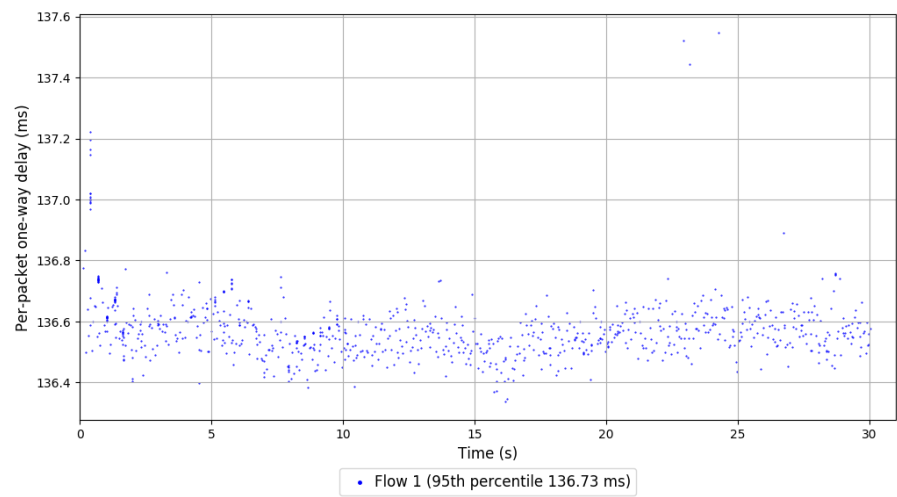
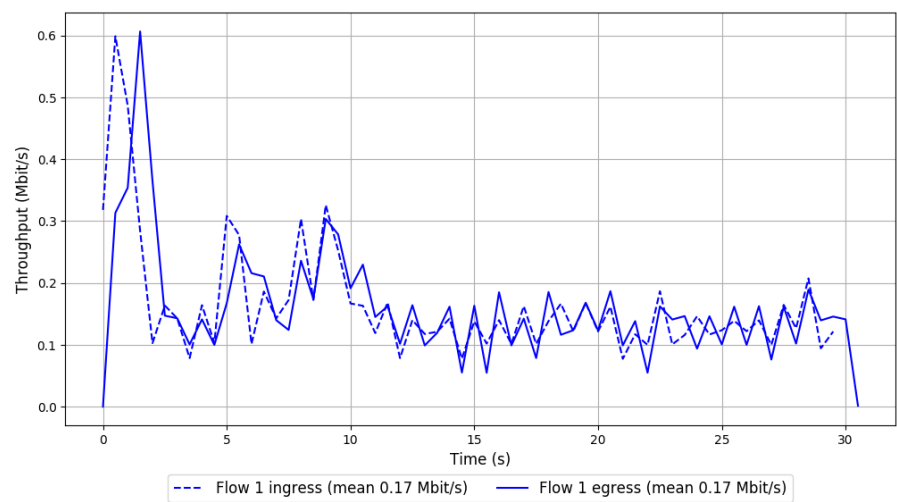


Run 7: Statistics of Sprout

Start at: 2018-07-19 01:19:49
End at: 2018-07-19 01:20:19
Local clock offset: -0.403 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-19 04:06:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.729 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.729 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

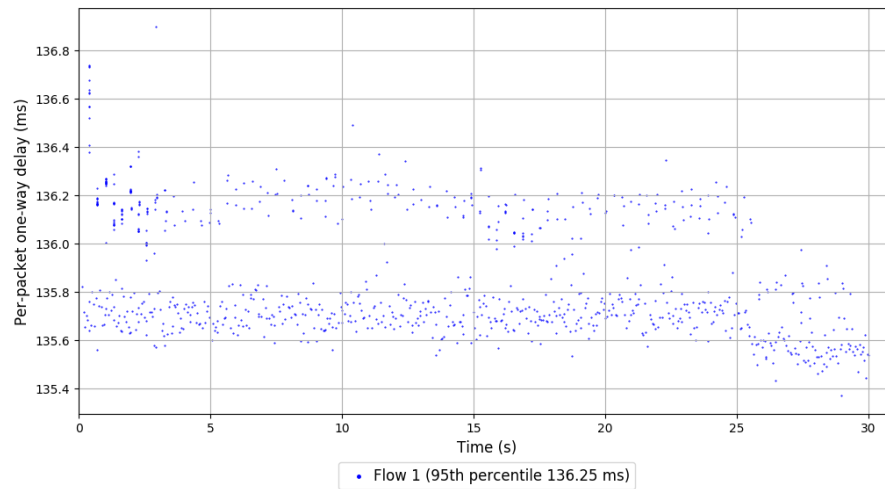
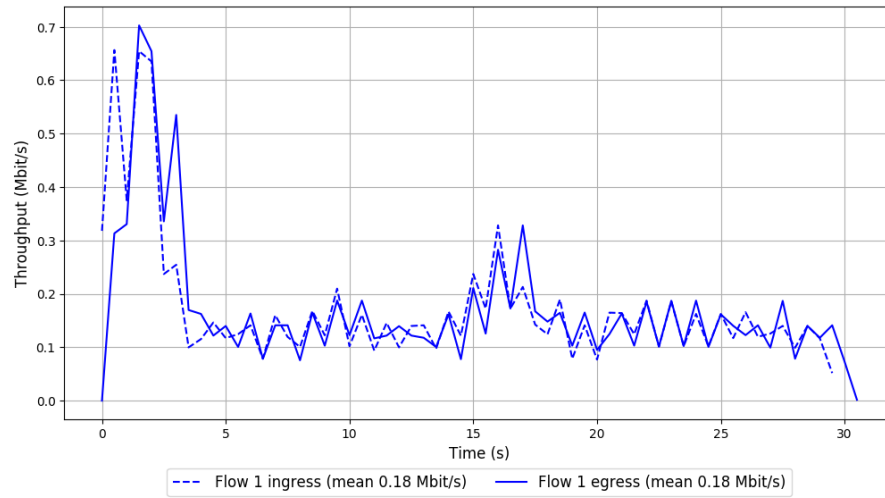


Run 8: Statistics of Sprout

Start at: 2018-07-19 01:42:50
End at: 2018-07-19 01:43:21
Local clock offset: -0.459 ms
Remote clock offset: -0.423 ms

Below is generated by plot.py at 2018-07-19 04:06:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.254 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.254 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

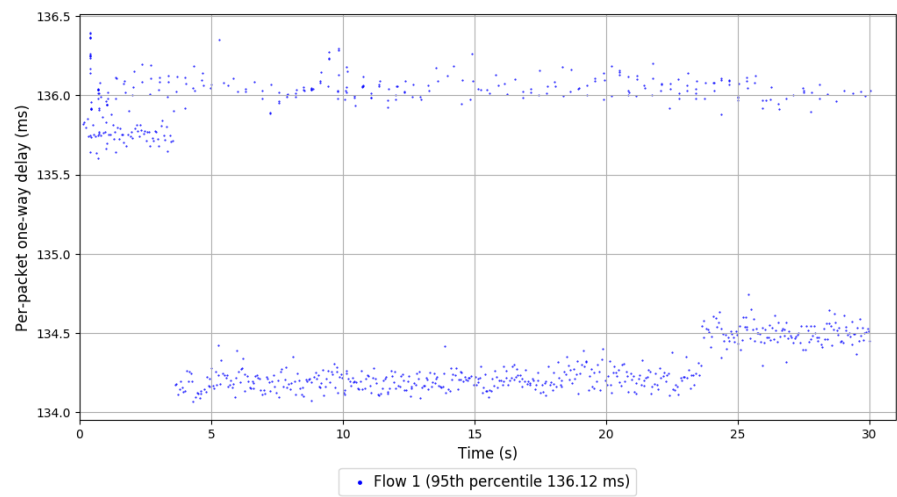
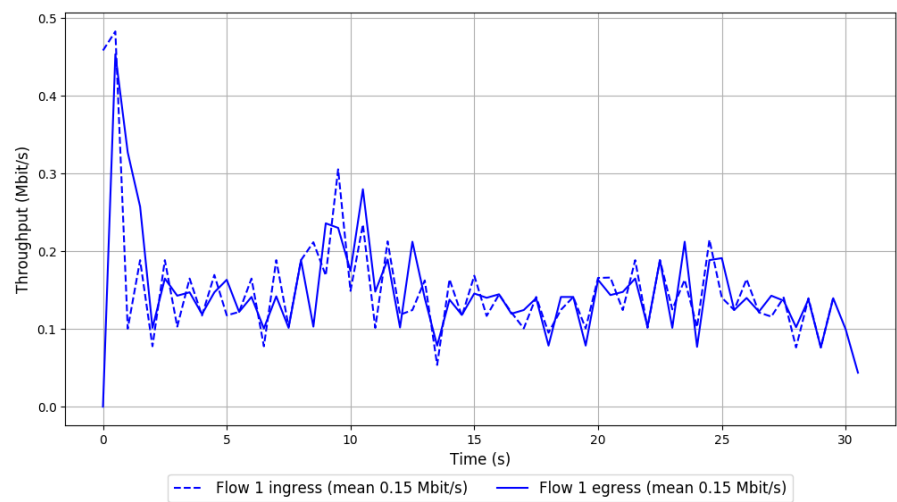


Run 9: Statistics of Sprout

Start at: 2018-07-19 02:05:42
End at: 2018-07-19 02:06:12
Local clock offset: 0.156 ms
Remote clock offset: -0.529 ms

Below is generated by plot.py at 2018-07-19 04:06:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.123 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.123 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-19 02:28:37

End at: 2018-07-19 02:29:07

Local clock offset: 0.147 ms

Remote clock offset: 0.243 ms

Below is generated by plot.py at 2018-07-19 04:06:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 136.918 ms

Loss rate: 0.00%

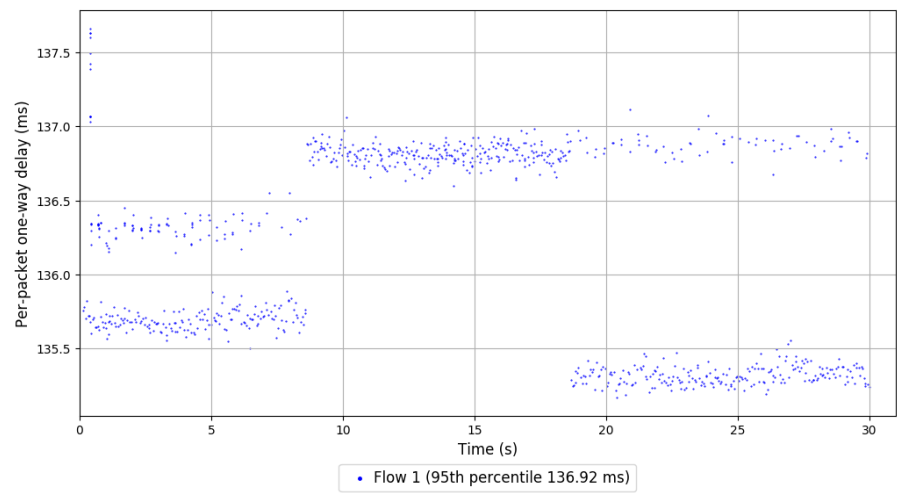
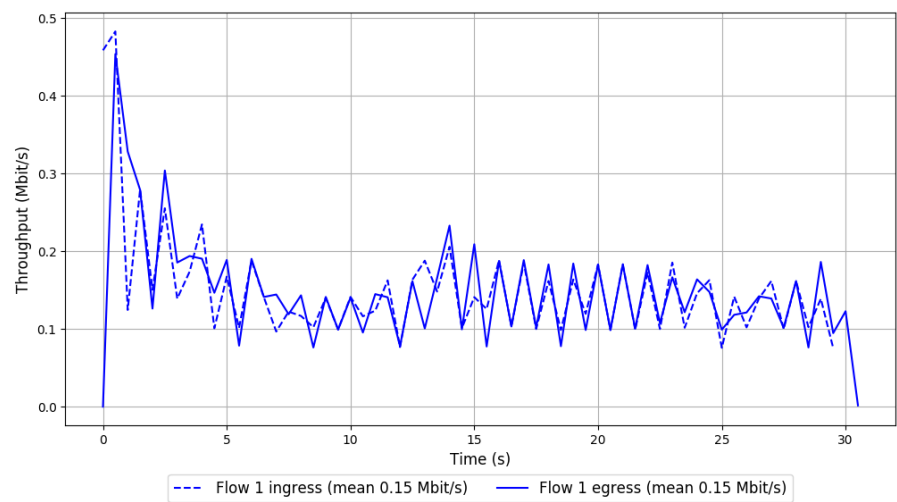
-- Flow 1:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 136.918 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

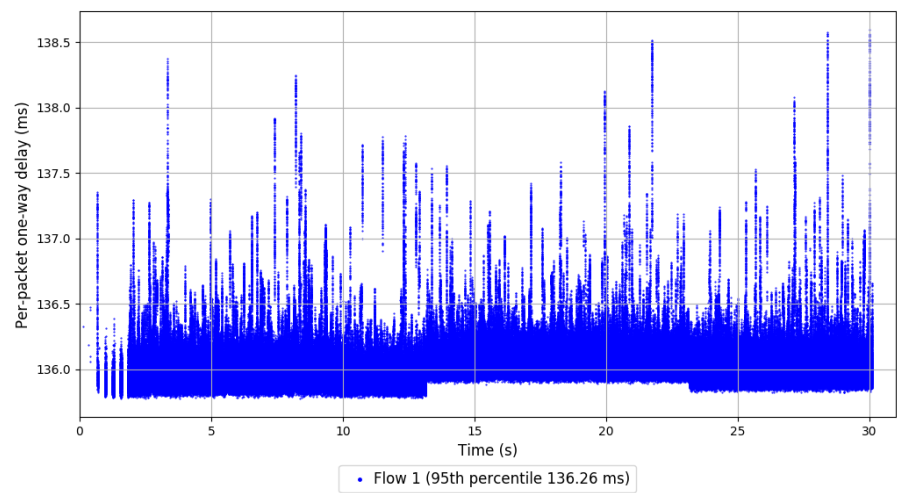
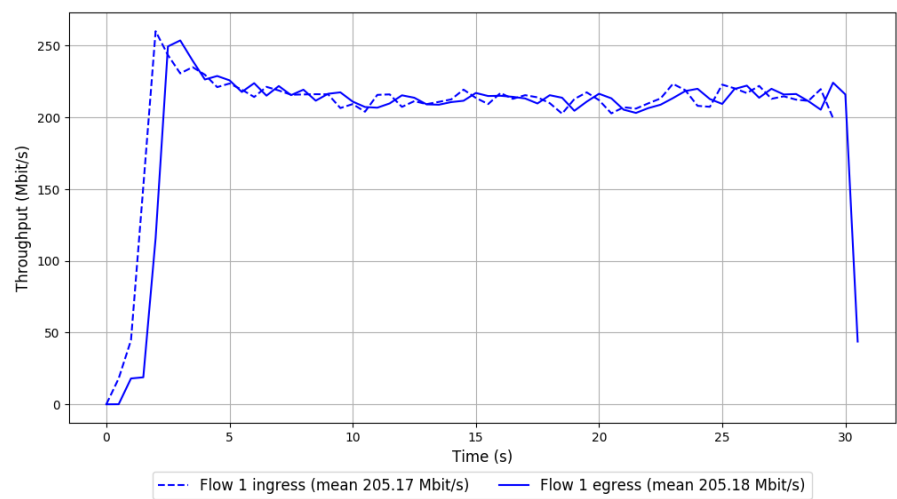


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-18 22:59:23
End at: 2018-07-18 22:59:53
Local clock offset: -0.208 ms
Remote clock offset: -0.588 ms

# Below is generated by plot.py at 2018-07-19 04:09:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 205.18 Mbit/s
95th percentile per-packet one-way delay: 136.257 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 205.18 Mbit/s
95th percentile per-packet one-way delay: 136.257 ms
Loss rate: 0.00%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-18 23:22:27

End at: 2018-07-18 23:22:57

Local clock offset: -0.339 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-07-19 04:09:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.39 Mbit/s

95th percentile per-packet one-way delay: 136.508 ms

Loss rate: 0.00%

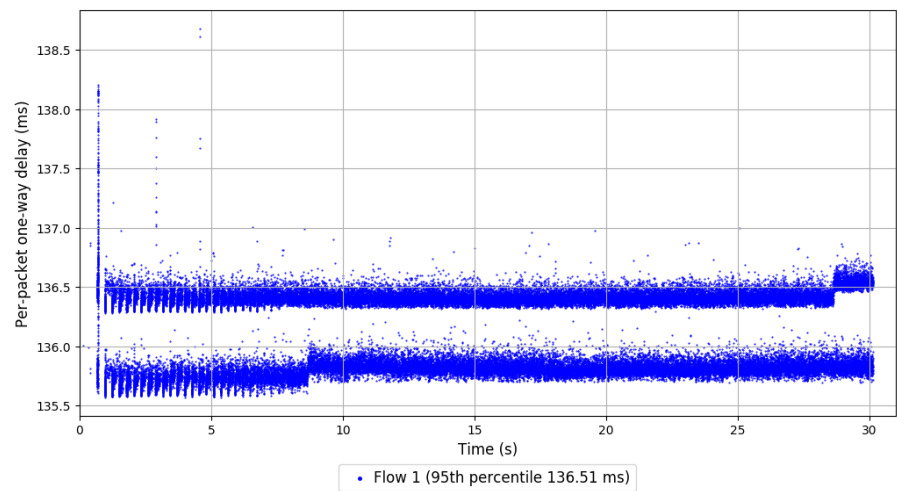
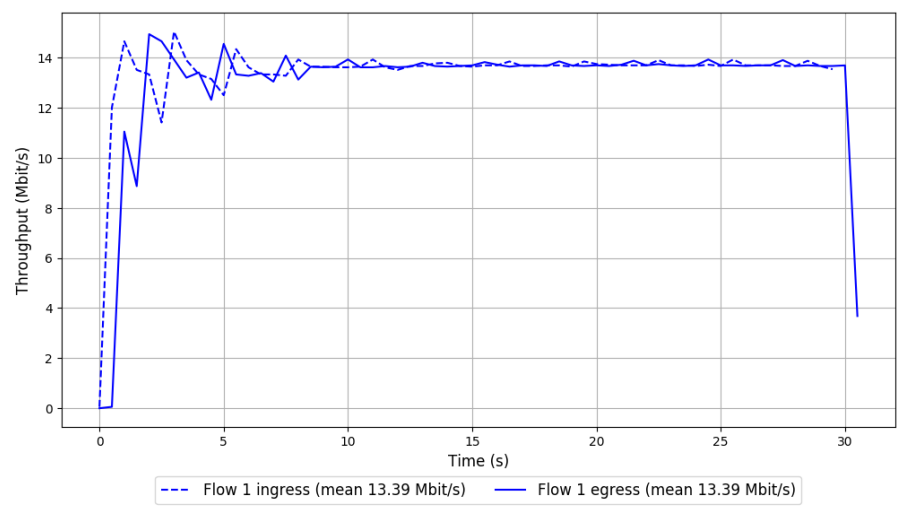
-- Flow 1:

Average throughput: 13.39 Mbit/s

95th percentile per-packet one-way delay: 136.508 ms

Loss rate: 0.00%

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

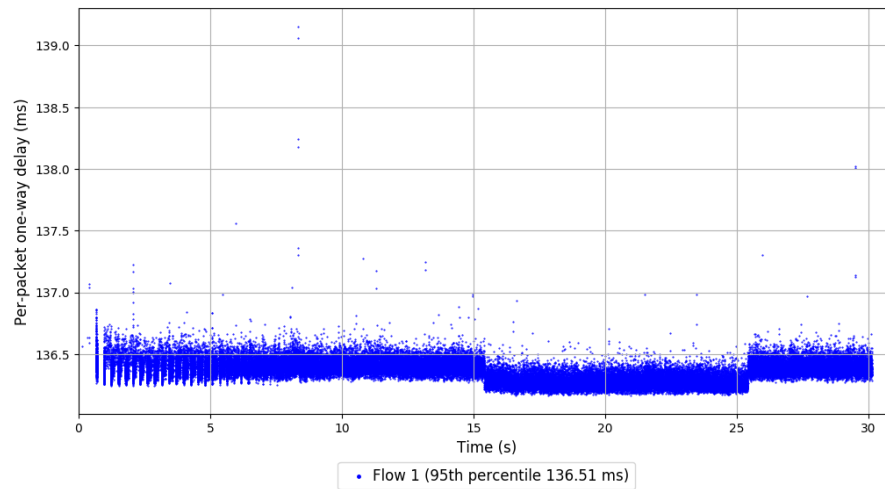
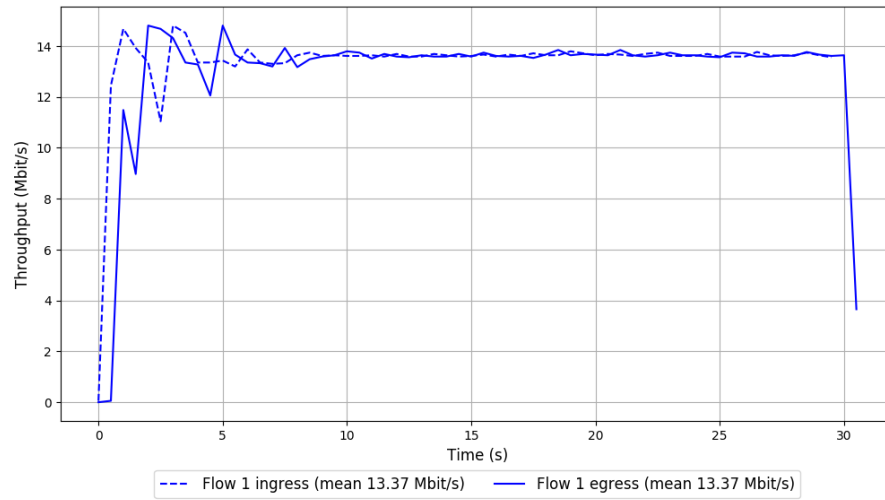


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-18 23:45:01
End at: 2018-07-18 23:45:31
Local clock offset: -0.227 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-19 04:09:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.37 Mbit/s
95th percentile per-packet one-way delay: 136.507 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.37 Mbit/s
95th percentile per-packet one-way delay: 136.507 ms
Loss rate: 0.00%

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

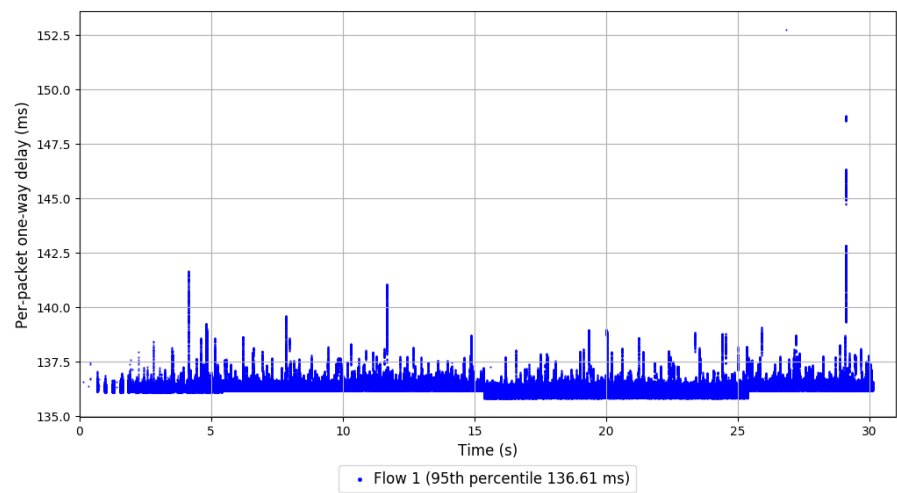
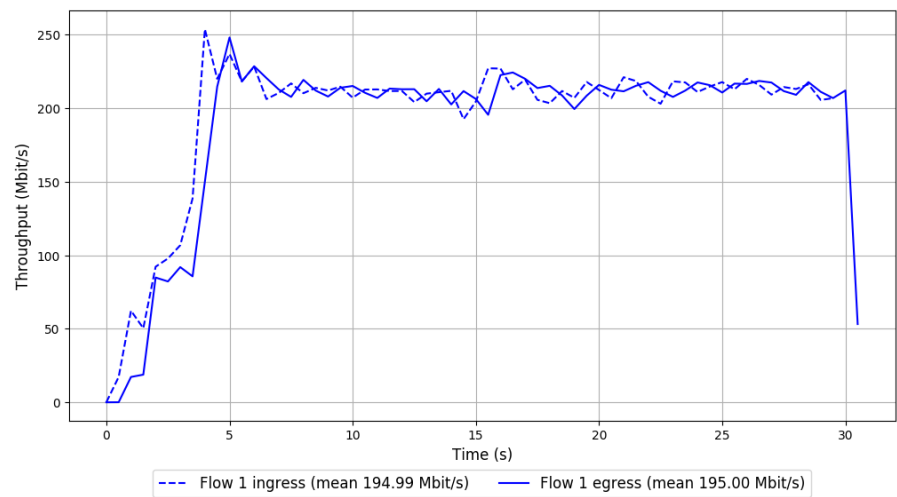


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-19 00:07:51
End at: 2018-07-19 00:08:21
Local clock offset: -0.275 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-19 04:09:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 195.00 Mbit/s
95th percentile per-packet one-way delay: 136.611 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 195.00 Mbit/s
95th percentile per-packet one-way delay: 136.611 ms
Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-19 00:30:45

End at: 2018-07-19 00:31:15

Local clock offset: -0.545 ms

Remote clock offset: 0.257 ms

Below is generated by plot.py at 2018-07-19 04:09:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.45 Mbit/s

95th percentile per-packet one-way delay: 137.032 ms

Loss rate: 0.00%

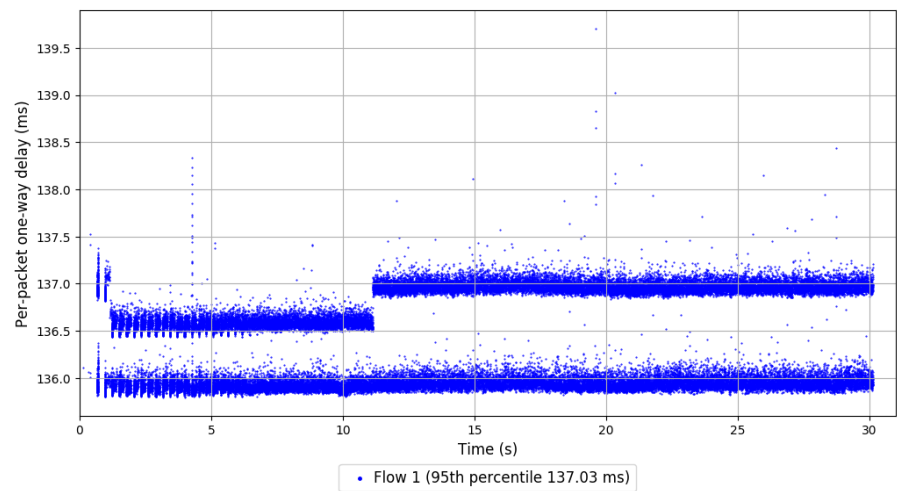
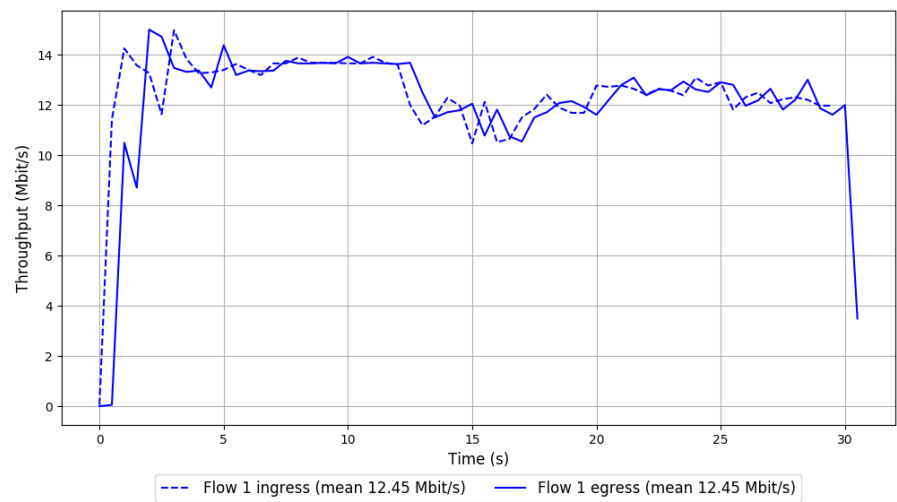
-- Flow 1:

Average throughput: 12.45 Mbit/s

95th percentile per-packet one-way delay: 137.032 ms

Loss rate: 0.00%

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

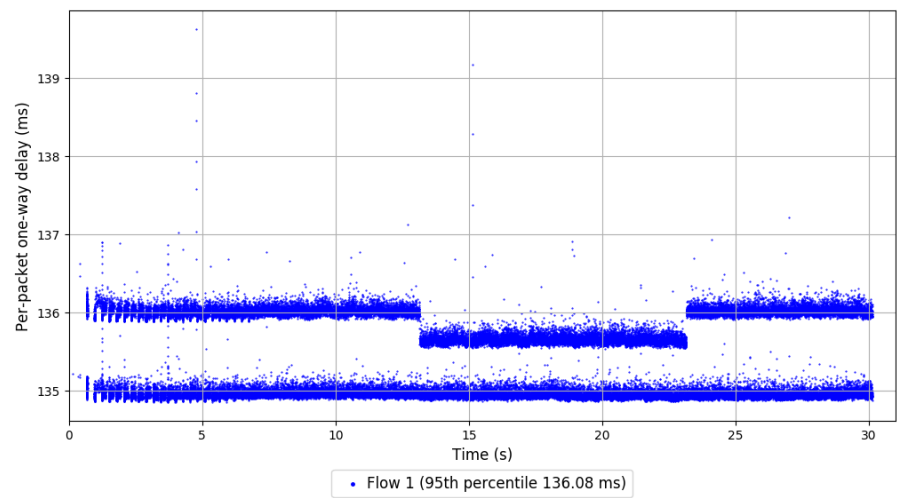
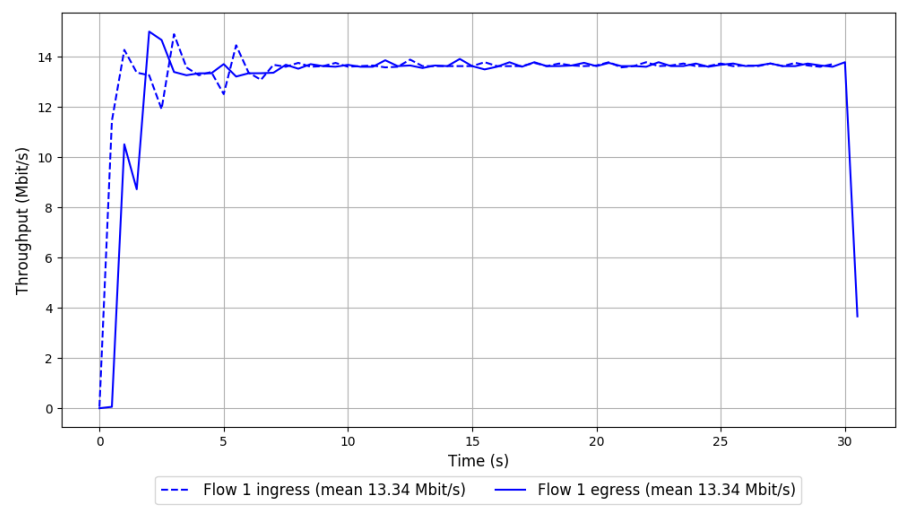


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-19 00:53:43
End at: 2018-07-19 00:54:13
Local clock offset: -0.381 ms
Remote clock offset: -0.364 ms

Below is generated by plot.py at 2018-07-19 04:09:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.34 Mbit/s
95th percentile per-packet one-way delay: 136.080 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.34 Mbit/s
95th percentile per-packet one-way delay: 136.080 ms
Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-19 01:16:16

End at: 2018-07-19 01:16:46

Local clock offset: -0.569 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-19 04:09:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.39 Mbit/s

95th percentile per-packet one-way delay: 136.573 ms

Loss rate: 0.00%

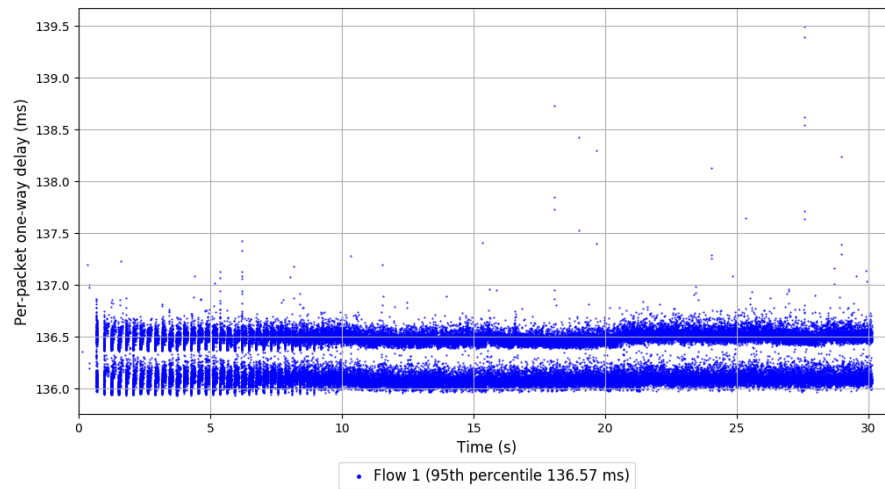
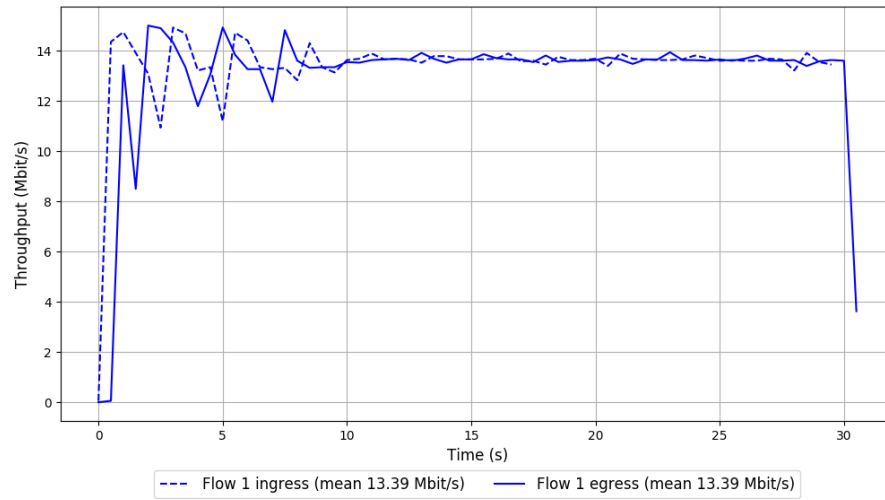
-- Flow 1:

Average throughput: 13.39 Mbit/s

95th percentile per-packet one-way delay: 136.573 ms

Loss rate: 0.00%

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

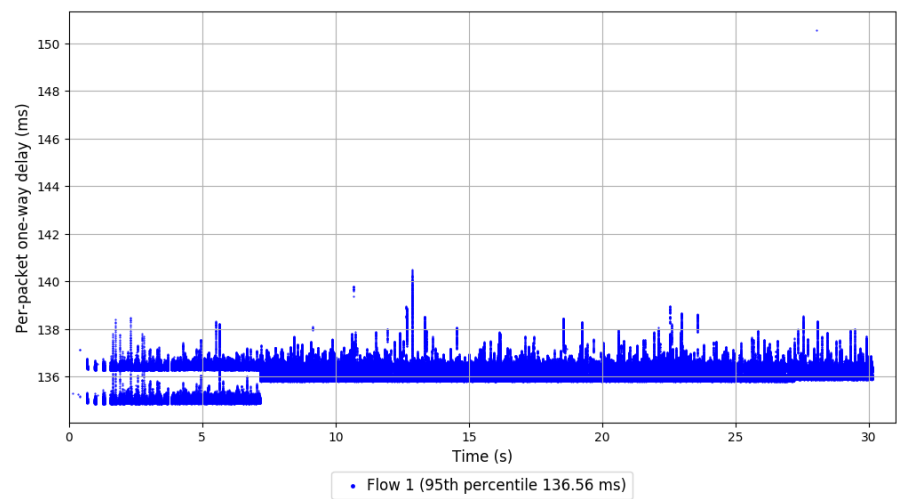
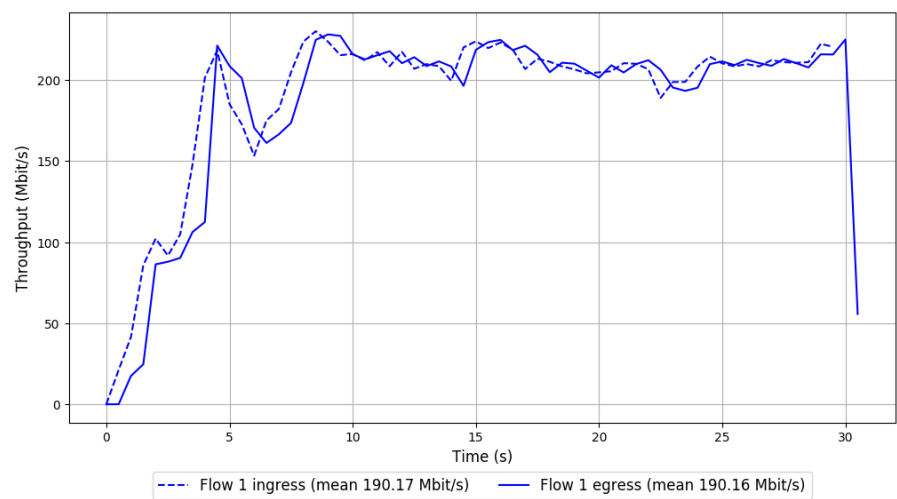


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-19 01:38:59
End at: 2018-07-19 01:39:29
Local clock offset: -0.491 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-19 04:10:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 190.16 Mbit/s
95th percentile per-packet one-way delay: 136.555 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 190.16 Mbit/s
95th percentile per-packet one-way delay: 136.555 ms
Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-19 02:02:09

End at: 2018-07-19 02:02:39

Local clock offset: 0.104 ms

Remote clock offset: -0.18 ms

Below is generated by plot.py at 2018-07-19 04:10:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.35 Mbit/s

95th percentile per-packet one-way delay: 136.290 ms

Loss rate: 0.00%

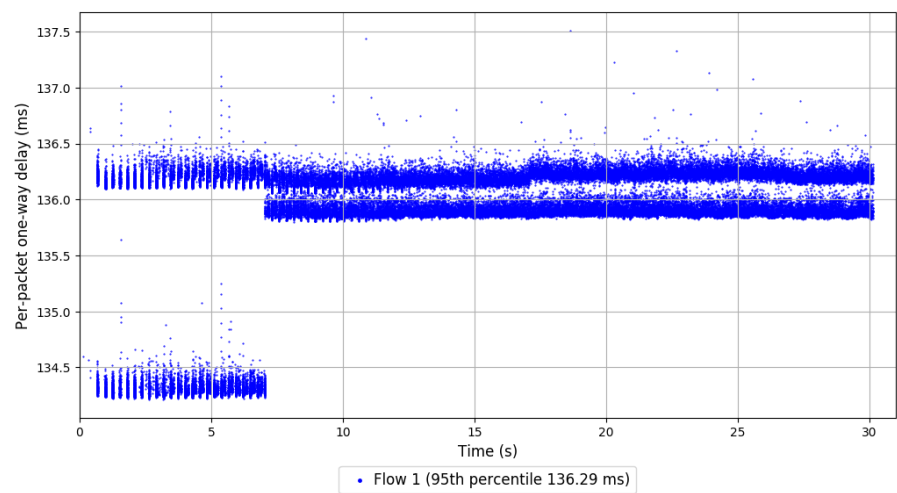
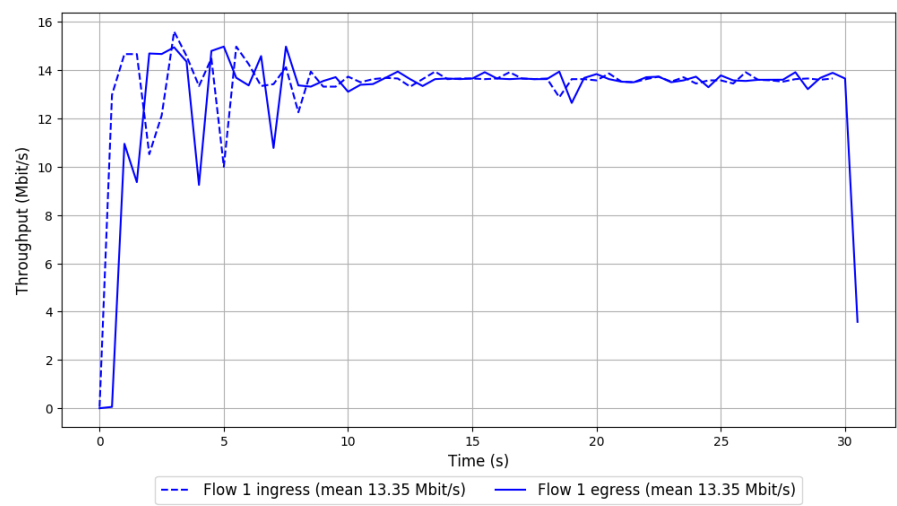
-- Flow 1:

Average throughput: 13.35 Mbit/s

95th percentile per-packet one-way delay: 136.290 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-19 02:24:45

End at: 2018-07-19 02:25:15

Local clock offset: 0.177 ms

Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-07-19 04:10:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 202.76 Mbit/s

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

Loss rate: 0.00%

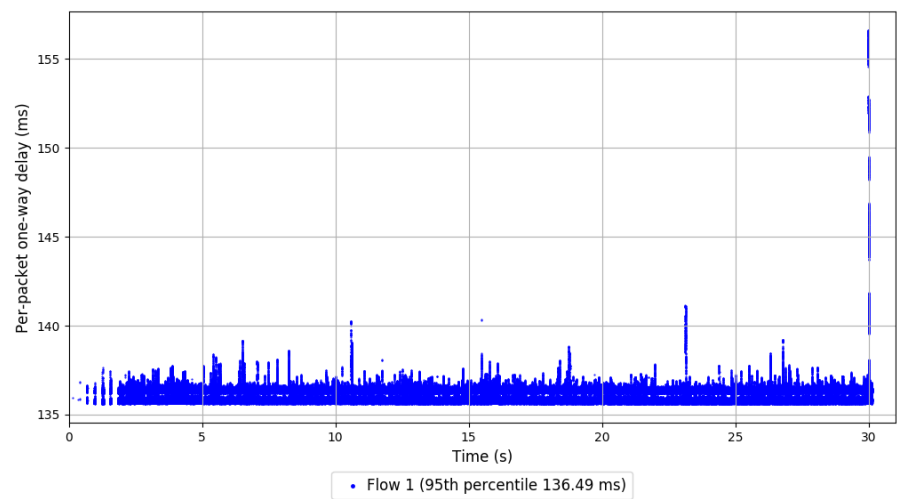
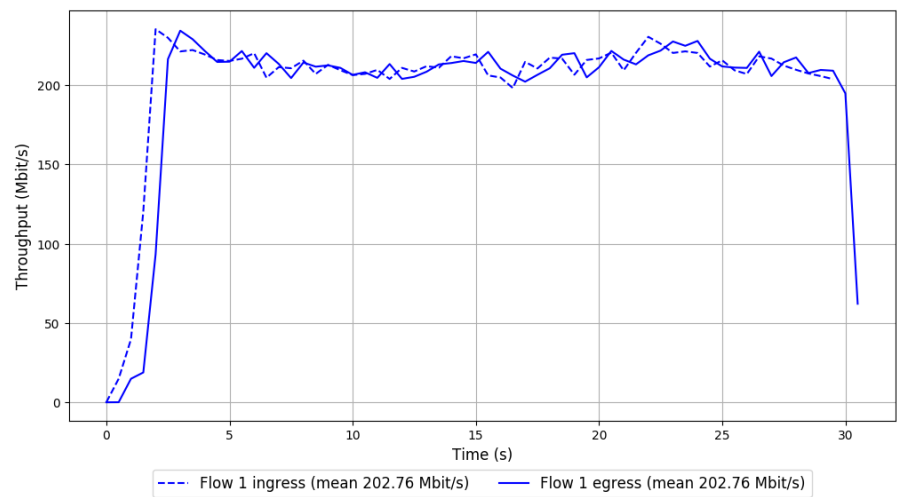
-- Flow 1:

Average throughput: 202.76 Mbit/s

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

Loss rate: 0.00%

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

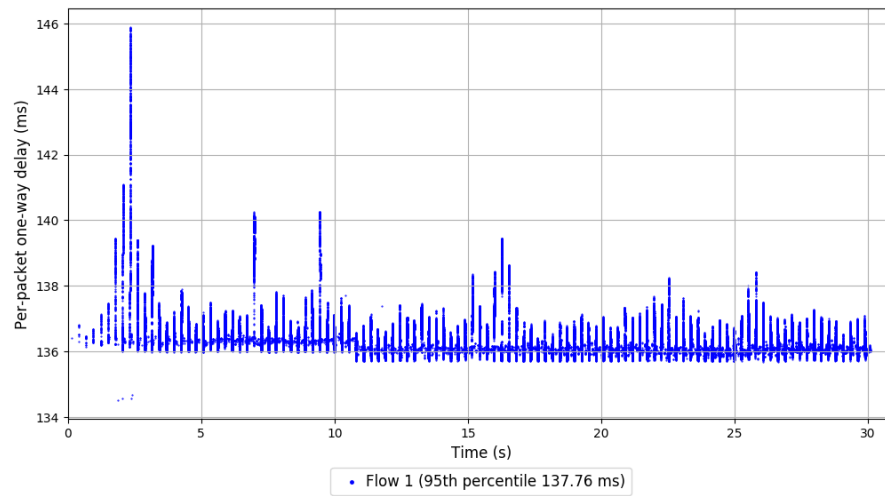
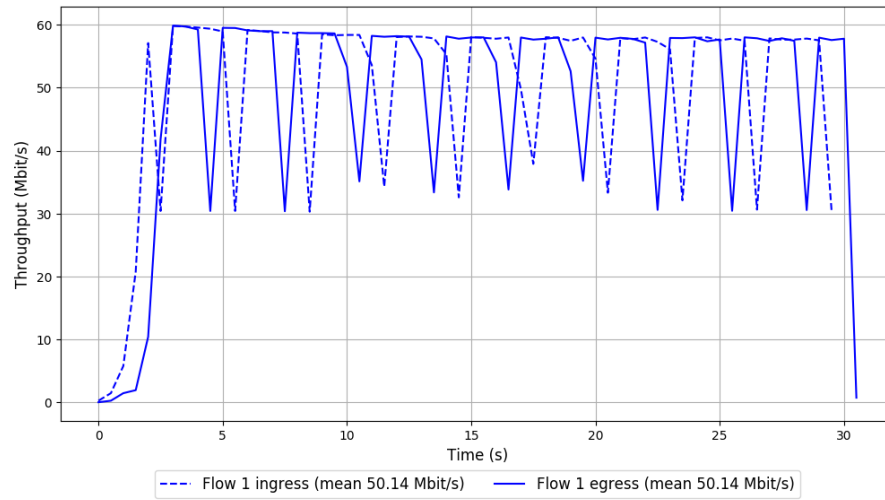


Run 1: Statistics of TCP Vegas

Start at: 2018-07-18 22:49:45
End at: 2018-07-18 22:50:15
Local clock offset: -0.028 ms
Remote clock offset: -0.546 ms

Below is generated by plot.py at 2018-07-19 04:10:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.14 Mbit/s
95th percentile per-packet one-way delay: 137.762 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.14 Mbit/s
95th percentile per-packet one-way delay: 137.762 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-18 23:12:52

End at: 2018-07-18 23:13:22

Local clock offset: 0.017 ms

Remote clock offset: 0.272 ms

Below is generated by plot.py at 2018-07-19 04:10:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.43 Mbit/s

95th percentile per-packet one-way delay: 138.200 ms

Loss rate: 0.00%

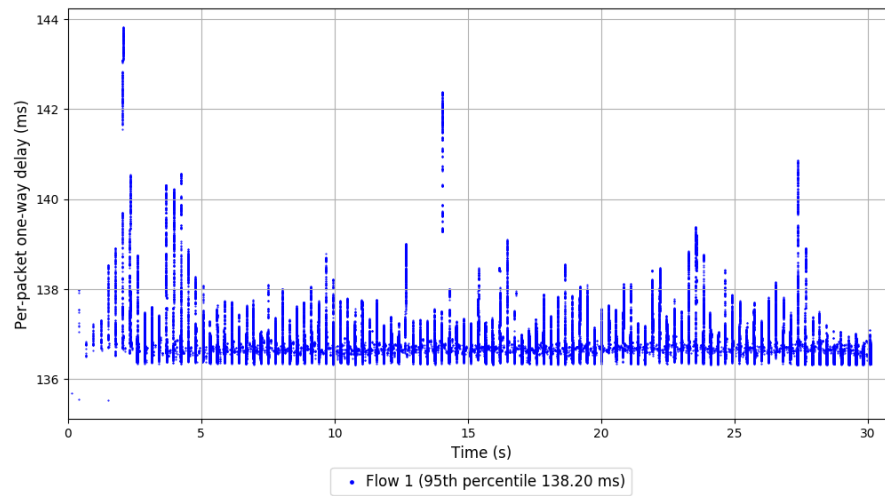
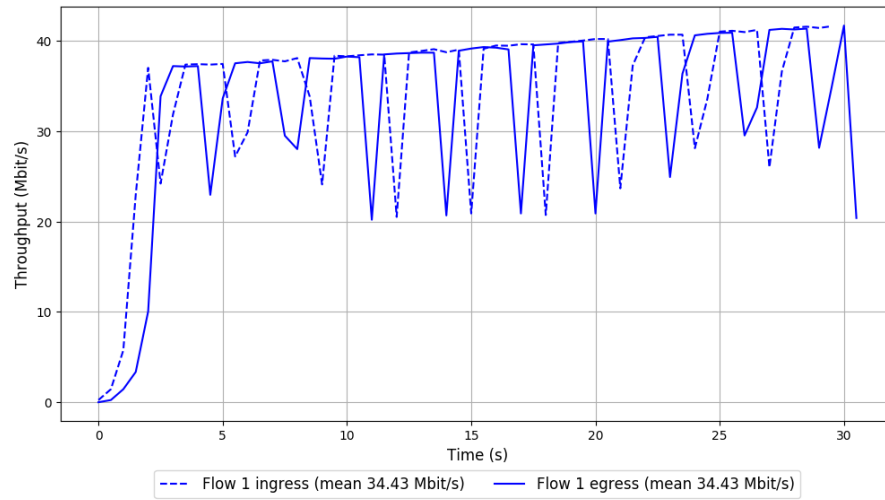
-- Flow 1:

Average throughput: 34.43 Mbit/s

95th percentile per-packet one-way delay: 138.200 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

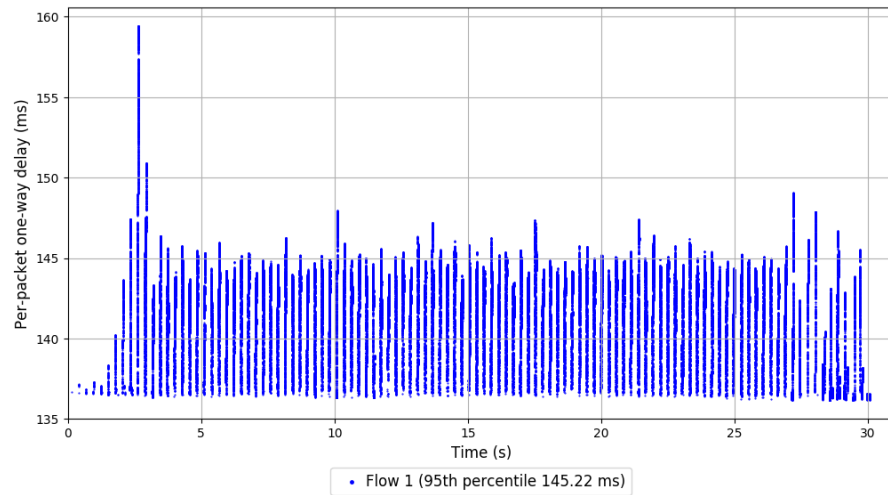
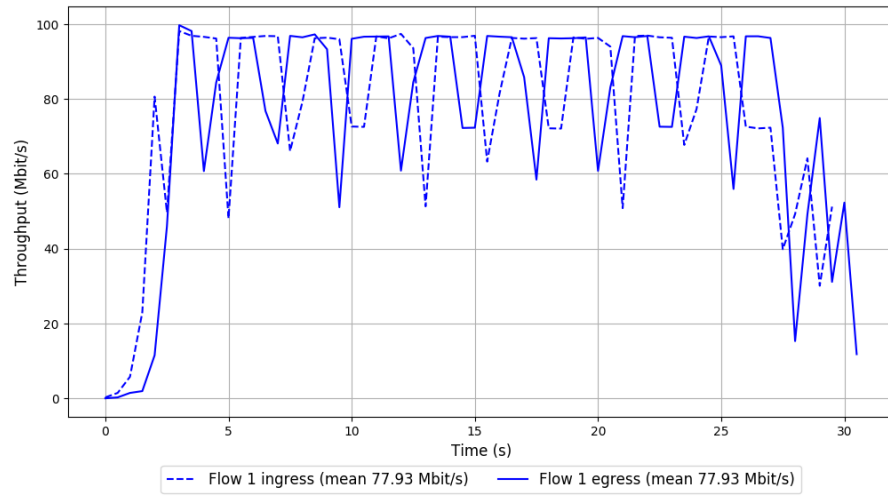


Run 3: Statistics of TCP Vegas

Start at: 2018-07-18 23:35:32
End at: 2018-07-18 23:36:02
Local clock offset: -0.256 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-07-19 04:10:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.93 Mbit/s
95th percentile per-packet one-way delay: 145.217 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.93 Mbit/s
95th percentile per-packet one-way delay: 145.217 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

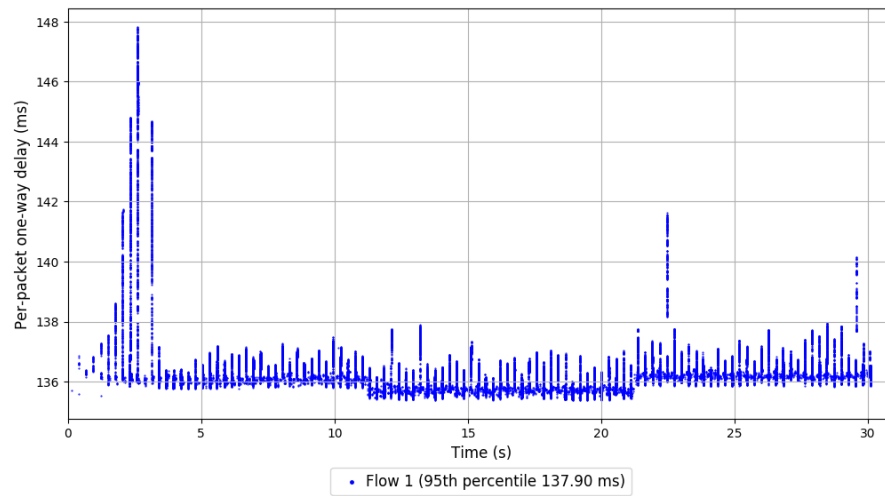
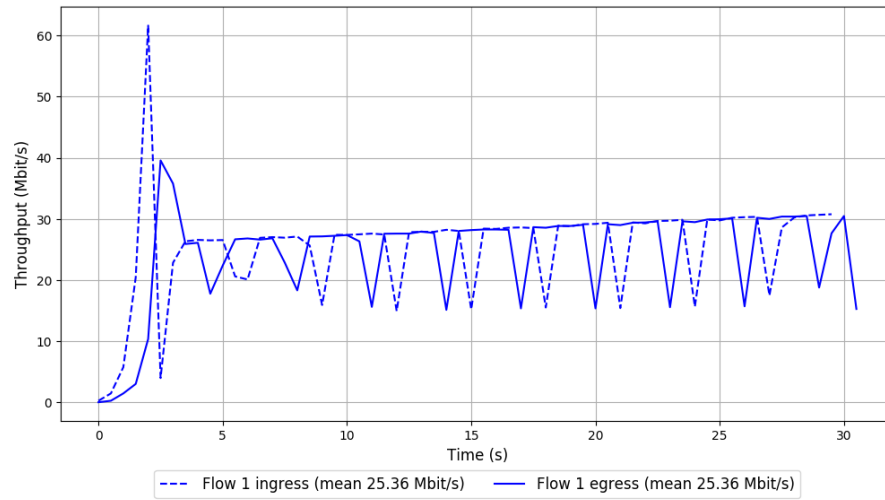


Run 4: Statistics of TCP Vegas

Start at: 2018-07-18 23:58:15
End at: 2018-07-18 23:58:45
Local clock offset: -0.218 ms
Remote clock offset: -0.393 ms

Below is generated by plot.py at 2018-07-19 04:10:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 25.36 Mbit/s
95th percentile per-packet one-way delay: 137.896 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 25.36 Mbit/s
95th percentile per-packet one-way delay: 137.896 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

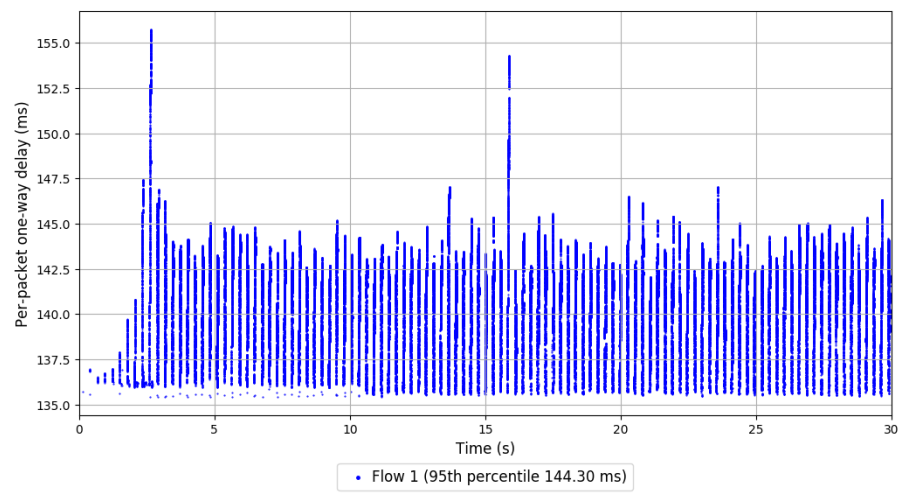
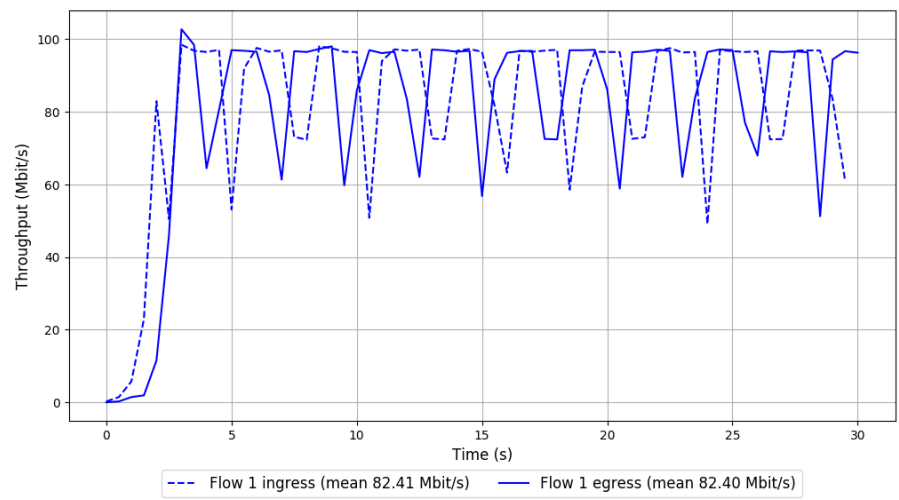


Run 5: Statistics of TCP Vegas

Start at: 2018-07-19 00:21:16
End at: 2018-07-19 00:21:46
Local clock offset: -0.249 ms
Remote clock offset: -0.493 ms

Below is generated by plot.py at 2018-07-19 04:10:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.40 Mbit/s
95th percentile per-packet one-way delay: 144.304 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.40 Mbit/s
95th percentile per-packet one-way delay: 144.304 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-19 00:44:13

End at: 2018-07-19 00:44:43

Local clock offset: -0.384 ms

Remote clock offset: 0.228 ms

Below is generated by plot.py at 2018-07-19 04:10:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.52 Mbit/s

95th percentile per-packet one-way delay: 139.950 ms

Loss rate: 0.00%

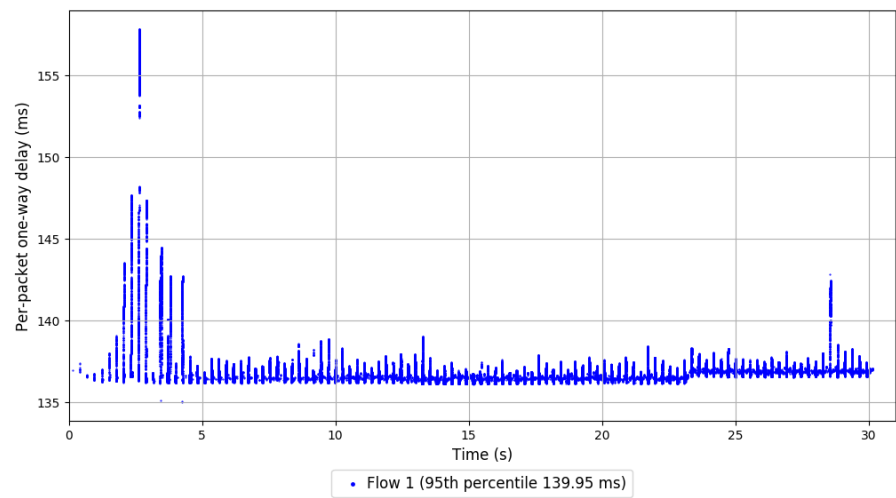
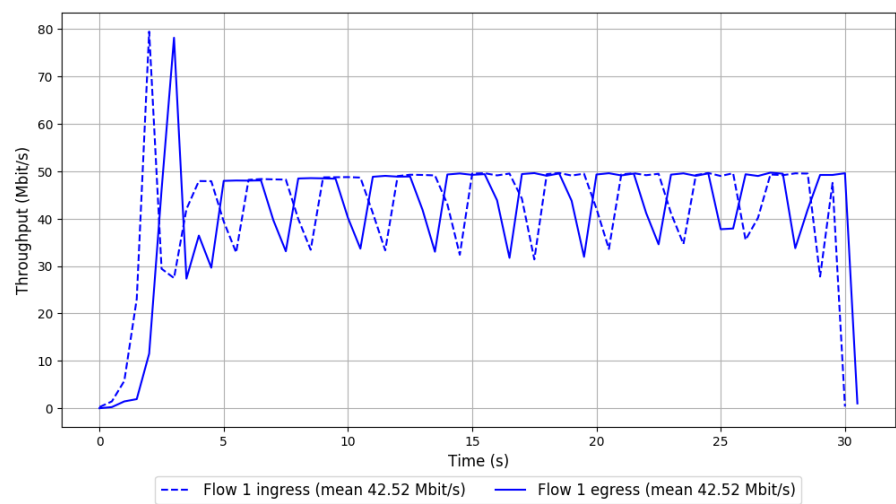
-- Flow 1:

Average throughput: 42.52 Mbit/s

95th percentile per-packet one-way delay: 139.950 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

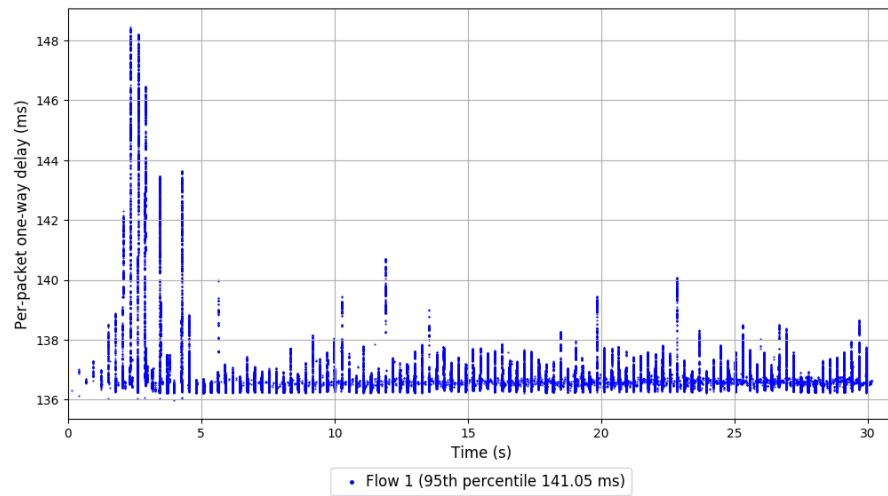
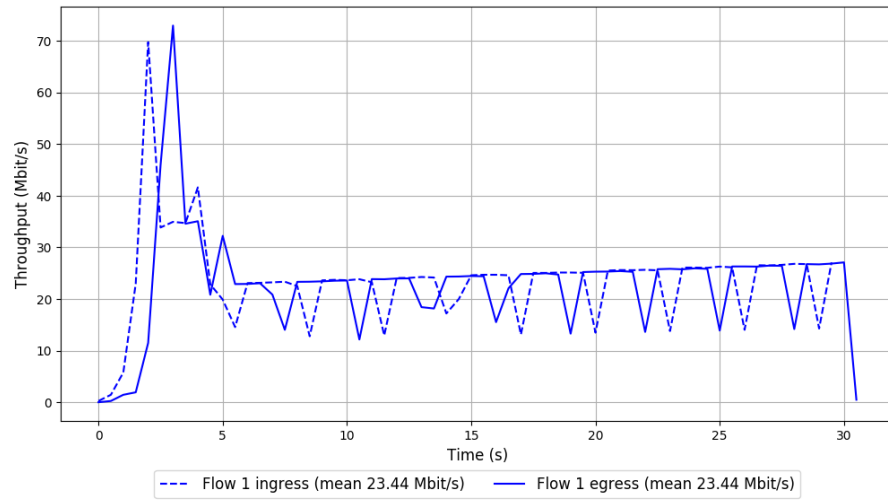


Run 7: Statistics of TCP Vegas

Start at: 2018-07-19 01:06:47
End at: 2018-07-19 01:07:17
Local clock offset: -0.447 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-19 04:10:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.44 Mbit/s
95th percentile per-packet one-way delay: 141.053 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.44 Mbit/s
95th percentile per-packet one-way delay: 141.053 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-07-19 01:29:24

End at: 2018-07-19 01:29:54

Local clock offset: -0.56 ms

Remote clock offset: -0.445 ms

Below is generated by plot.py at 2018-07-19 04:10:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 37.67 Mbit/s

95th percentile per-packet one-way delay: 137.766 ms

Loss rate: 0.00%

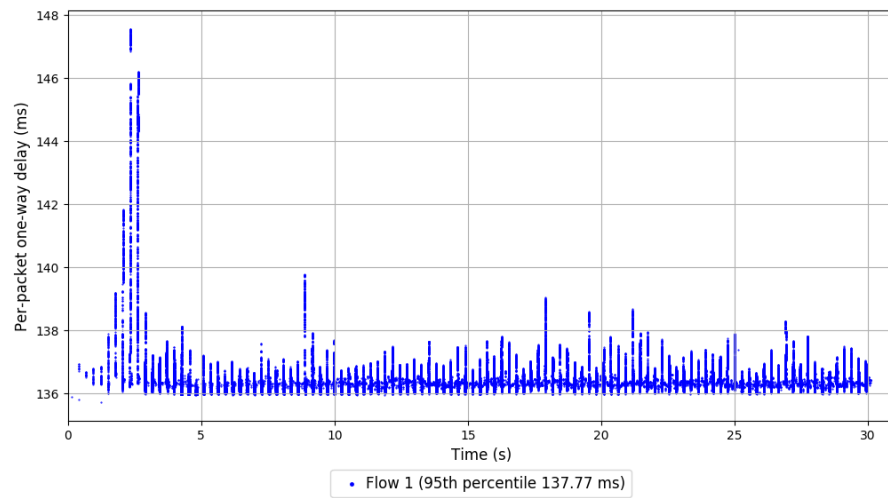
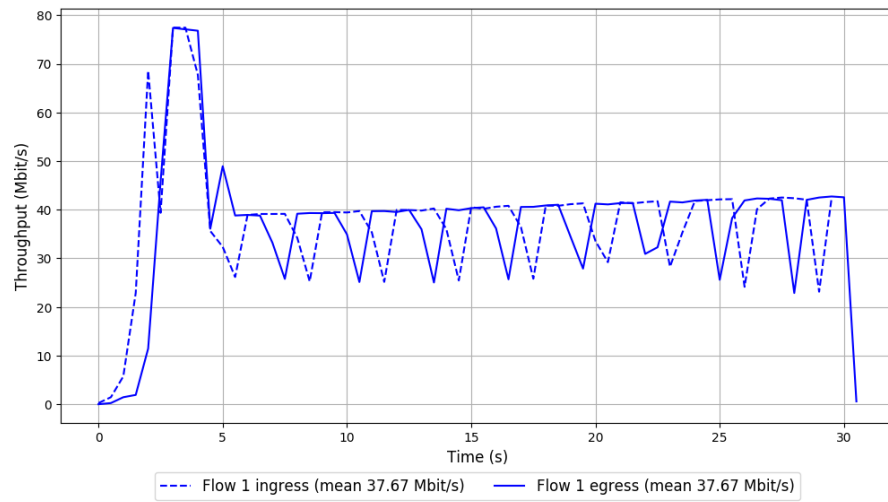
-- Flow 1:

Average throughput: 37.67 Mbit/s

95th percentile per-packet one-way delay: 137.766 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

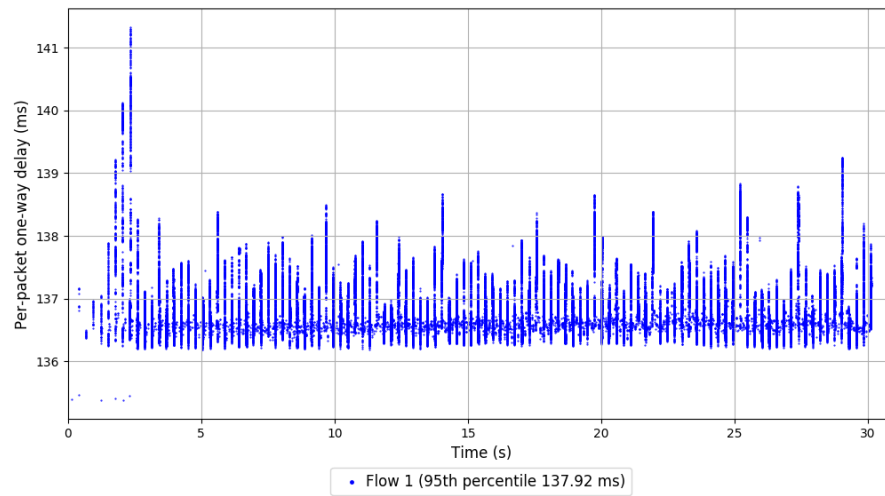
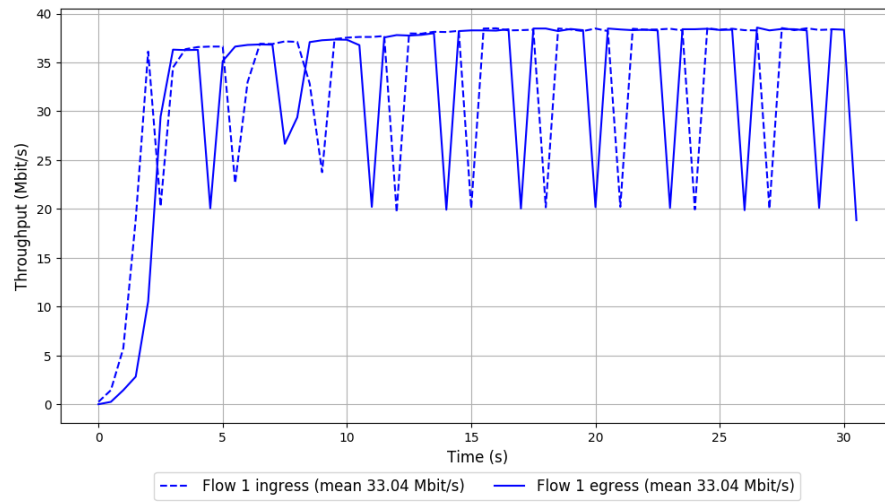


Run 9: Statistics of TCP Vegas

Start at: 2018-07-19 01:52:32
End at: 2018-07-19 01:53:02
Local clock offset: -0.241 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2018-07-19 04:10:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.04 Mbit/s
95th percentile per-packet one-way delay: 137.918 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 33.04 Mbit/s
95th percentile per-packet one-way delay: 137.918 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-19 02:15:22

End at: 2018-07-19 02:15:52

Local clock offset: -0.145 ms

Remote clock offset: 0.18 ms

Below is generated by plot.py at 2018-07-19 04:10:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.34 Mbit/s

95th percentile per-packet one-way delay: 144.075 ms

Loss rate: 0.00%

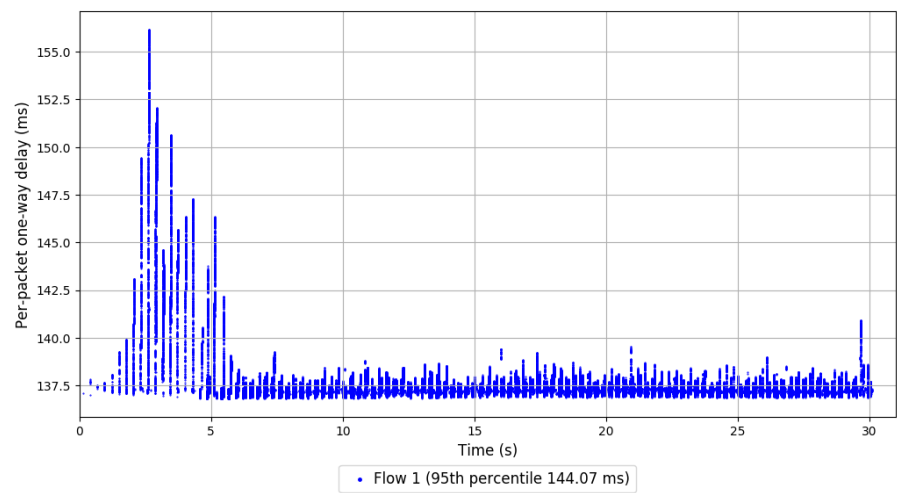
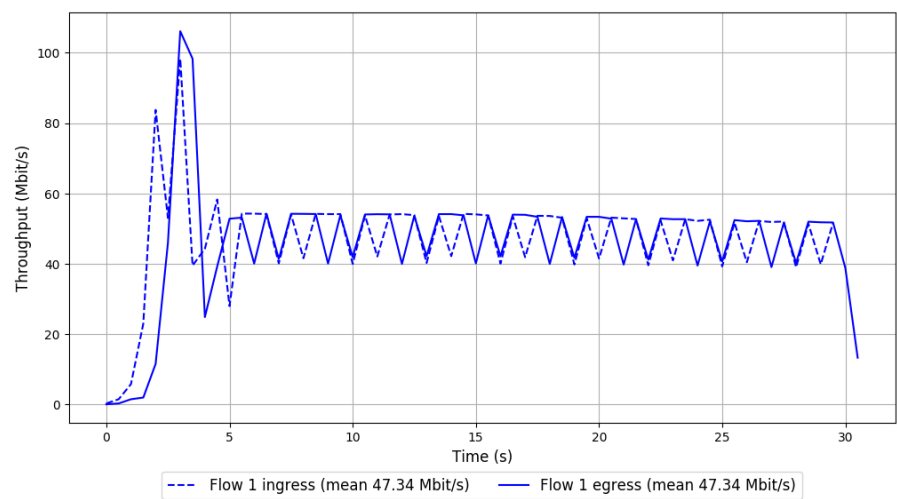
-- Flow 1:

Average throughput: 47.34 Mbit/s

95th percentile per-packet one-way delay: 144.075 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-18 23:10:04

End at: 2018-07-18 23:10:34

Local clock offset: -0.061 ms

Remote clock offset: 0.263 ms

Below is generated by plot.py at 2018-07-19 04:10:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 112.94 Mbit/s

95th percentile per-packet one-way delay: 184.770 ms

Loss rate: 0.00%

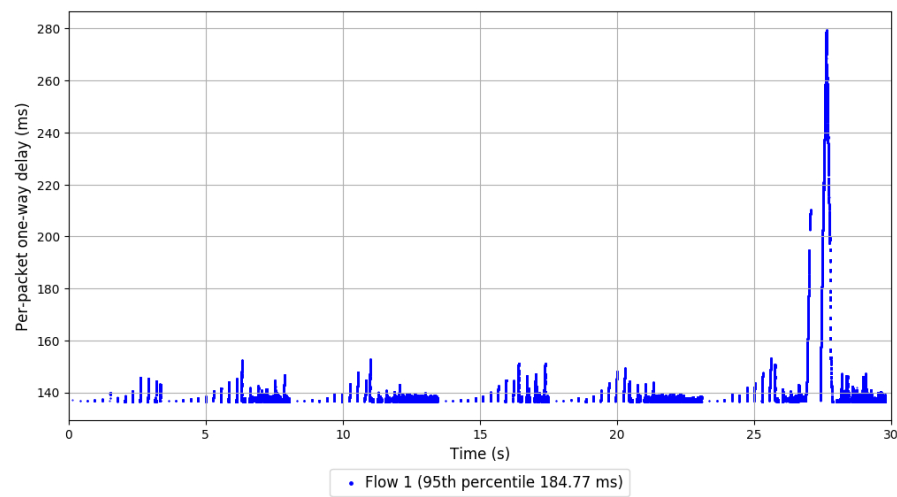
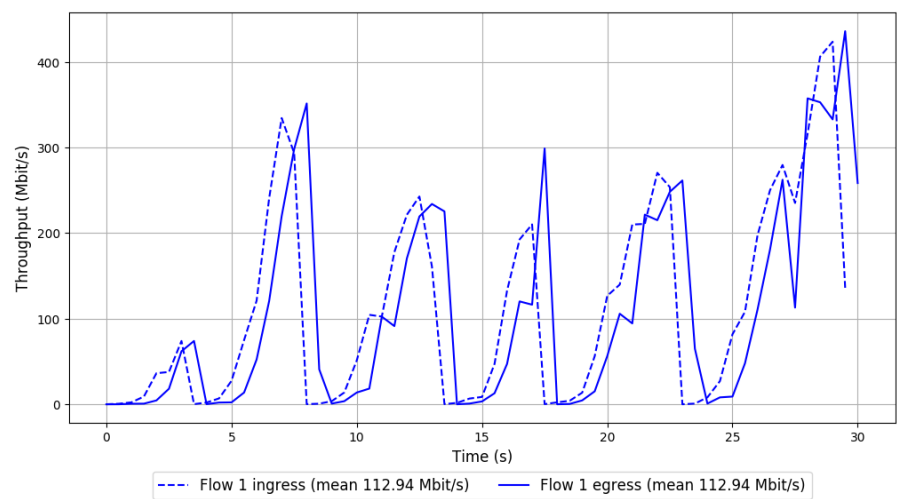
-- Flow 1:

Average throughput: 112.94 Mbit/s

95th percentile per-packet one-way delay: 184.770 ms

Loss rate: 0.00%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-07-18 23:32:47

End at: 2018-07-18 23:33:17

Local clock offset: -0.209 ms

Remote clock offset: 0.287 ms

Below is generated by plot.py at 2018-07-19 04:10:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 193.51 Mbit/s

95th percentile per-packet one-way delay: 258.364 ms

Loss rate: 1.05%

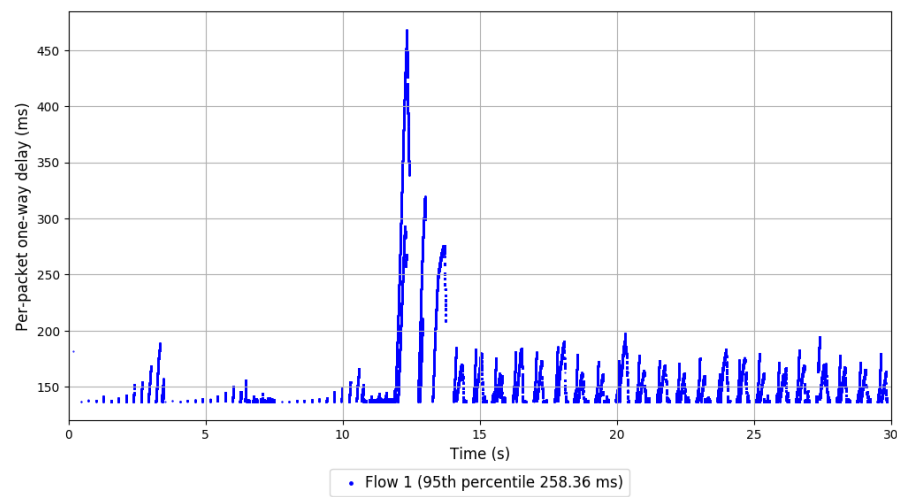
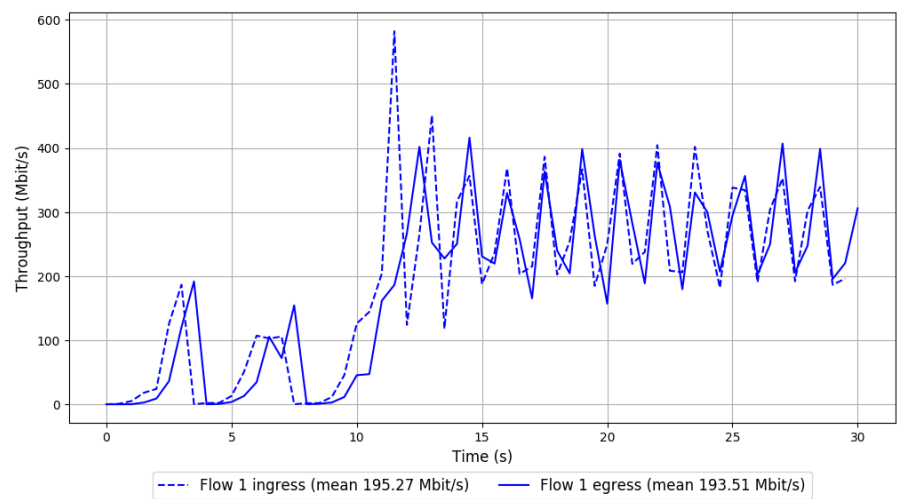
-- Flow 1:

Average throughput: 193.51 Mbit/s

95th percentile per-packet one-way delay: 258.364 ms

Loss rate: 1.05%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-18 23:55:18

End at: 2018-07-18 23:55:48

Local clock offset: -0.35 ms

Remote clock offset: 0.344 ms

Below is generated by plot.py at 2018-07-19 04:11:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 197.25 Mbit/s

95th percentile per-packet one-way delay: 187.584 ms

Loss rate: 0.00%

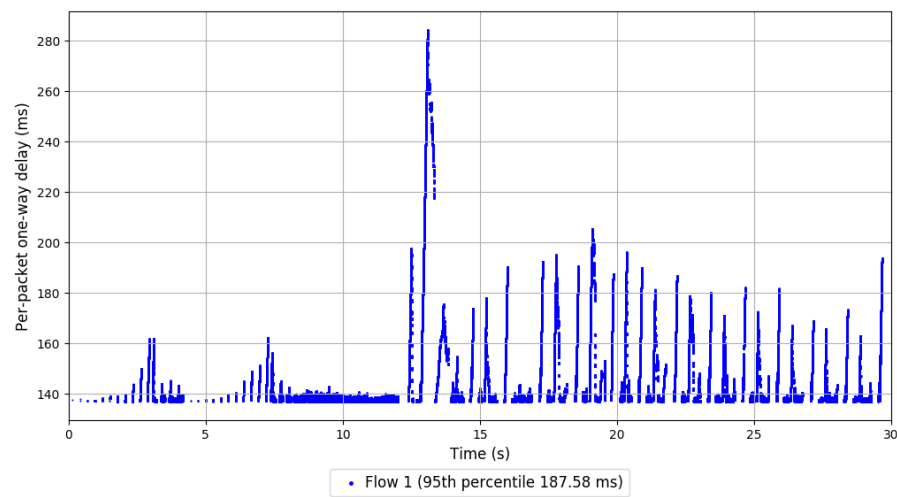
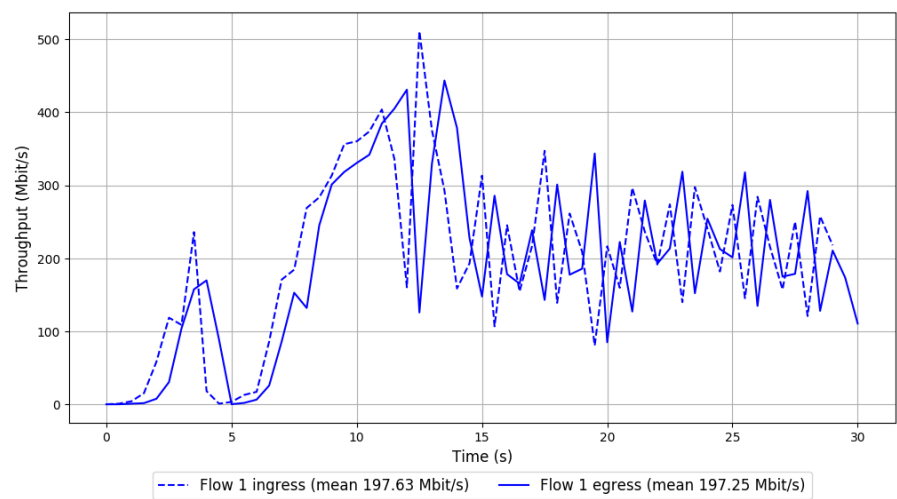
-- Flow 1:

Average throughput: 197.25 Mbit/s

95th percentile per-packet one-way delay: 187.584 ms

Loss rate: 0.00%

Run 3: Report of Verus — Data Link

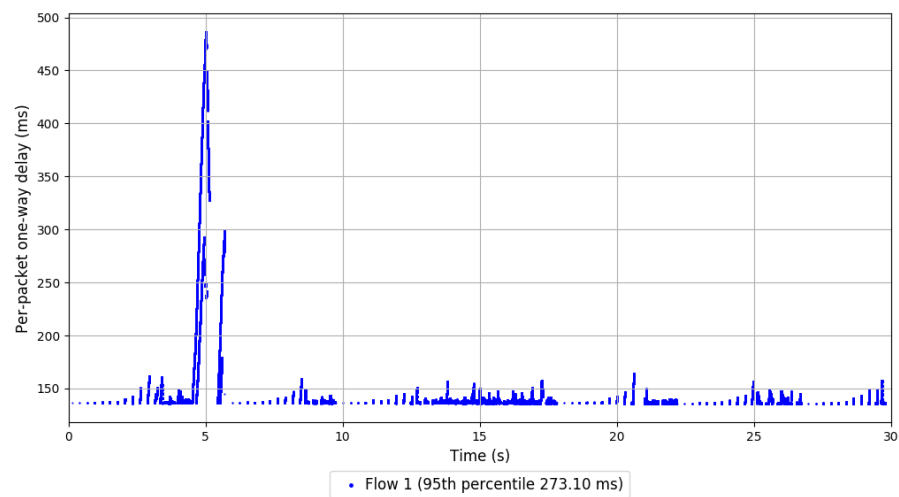
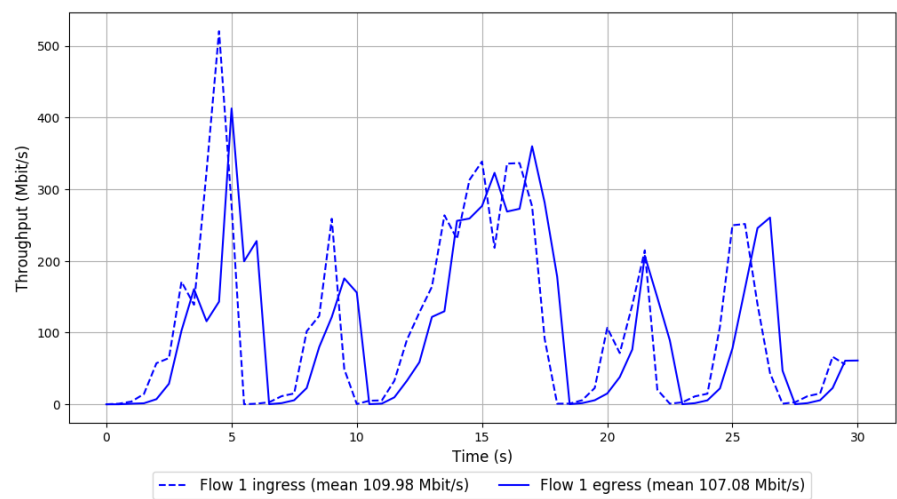


Run 4: Statistics of Verus

Start at: 2018-07-19 00:18:36
End at: 2018-07-19 00:19:06
Local clock offset: -0.191 ms
Remote clock offset: -0.483 ms

Below is generated by plot.py at 2018-07-19 04:11:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 107.08 Mbit/s
95th percentile per-packet one-way delay: 273.099 ms
Loss rate: 2.64%
-- Flow 1:
Average throughput: 107.08 Mbit/s
95th percentile per-packet one-way delay: 273.099 ms
Loss rate: 2.64%

Run 4: Report of Verus — Data Link

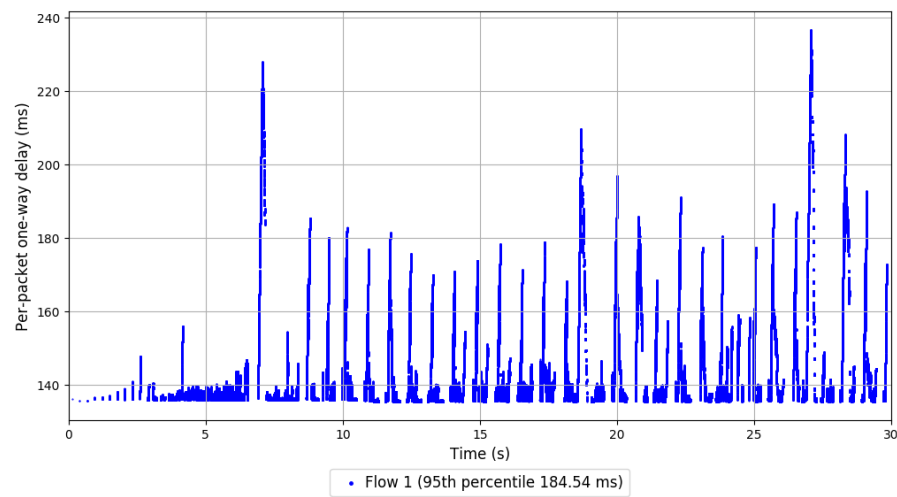
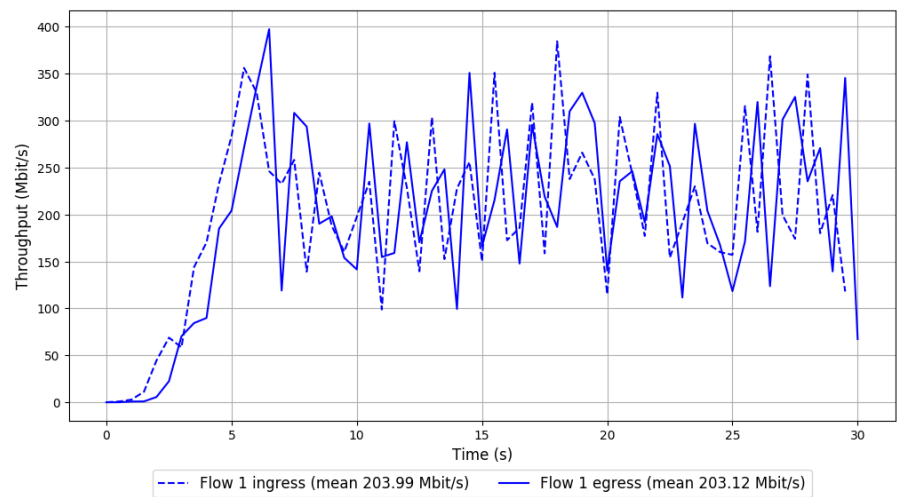


Run 5: Statistics of Verus

Start at: 2018-07-19 00:41:15
End at: 2018-07-19 00:41:45
Local clock offset: -0.435 ms
Remote clock offset: -0.513 ms

Below is generated by plot.py at 2018-07-19 04:12:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 203.12 Mbit/s
95th percentile per-packet one-way delay: 184.540 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 203.12 Mbit/s
95th percentile per-packet one-way delay: 184.540 ms
Loss rate: 0.42%

Run 5: Report of Verus — Data Link

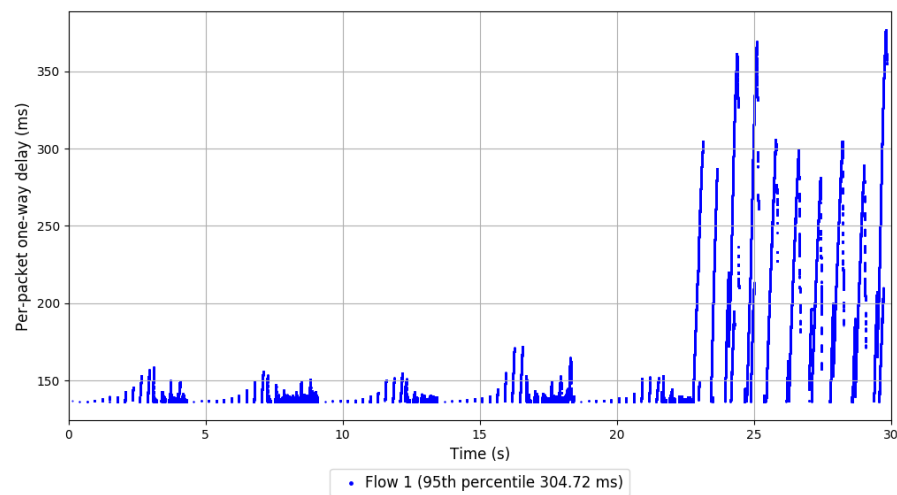
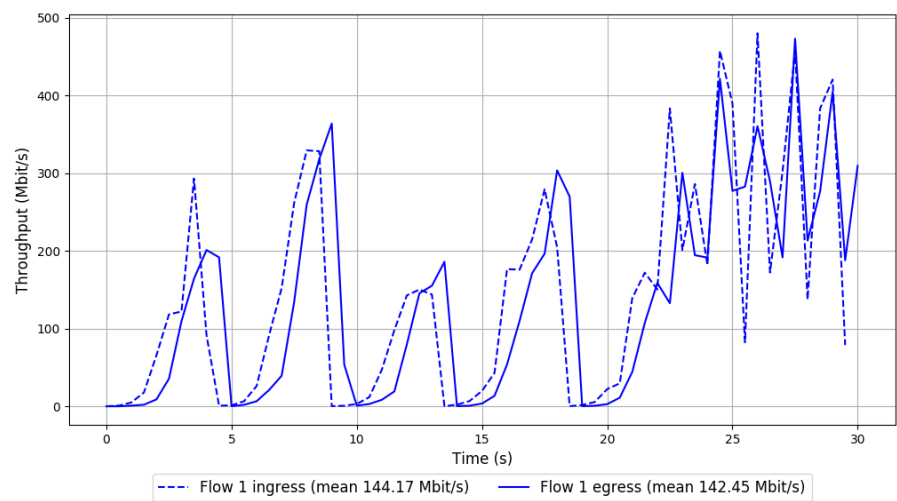


Run 6: Statistics of Verus

Start at: 2018-07-19 01:03:59
End at: 2018-07-19 01:04:29
Local clock offset: -0.404 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-07-19 04:12:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 142.45 Mbit/s
95th percentile per-packet one-way delay: 304.721 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 142.45 Mbit/s
95th percentile per-packet one-way delay: 304.721 ms
Loss rate: 1.19%

Run 6: Report of Verus — Data Link

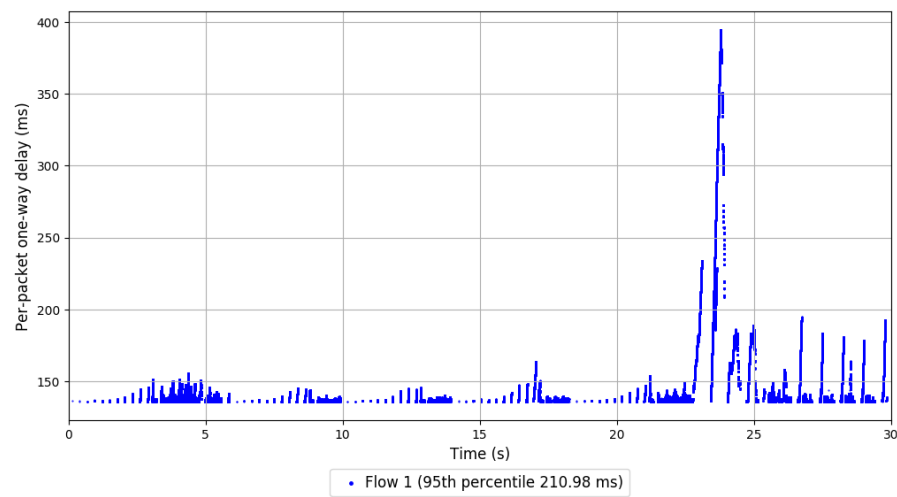
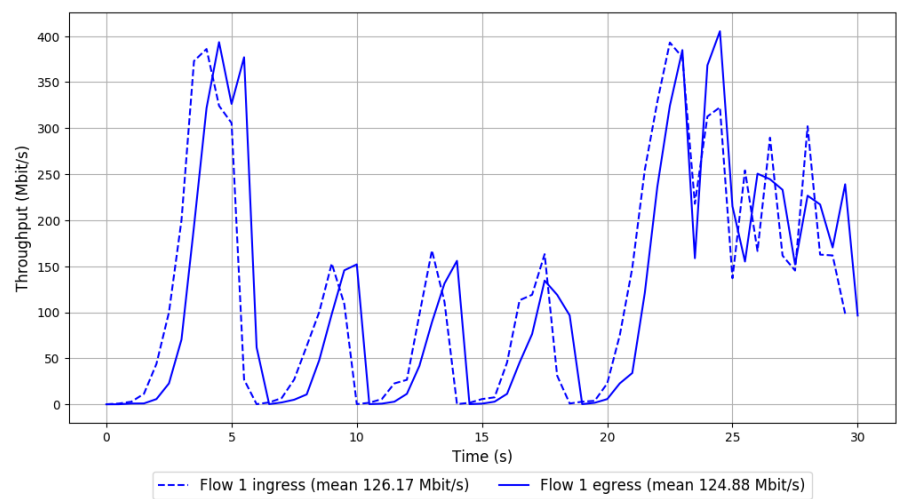


Run 7: Statistics of Verus

Start at: 2018-07-19 01:26:37
End at: 2018-07-19 01:27:07
Local clock offset: -0.419 ms
Remote clock offset: -0.438 ms

Below is generated by plot.py at 2018-07-19 04:12:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 124.88 Mbit/s
95th percentile per-packet one-way delay: 210.982 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 124.88 Mbit/s
95th percentile per-packet one-way delay: 210.982 ms
Loss rate: 1.02%

Run 7: Report of Verus — Data Link

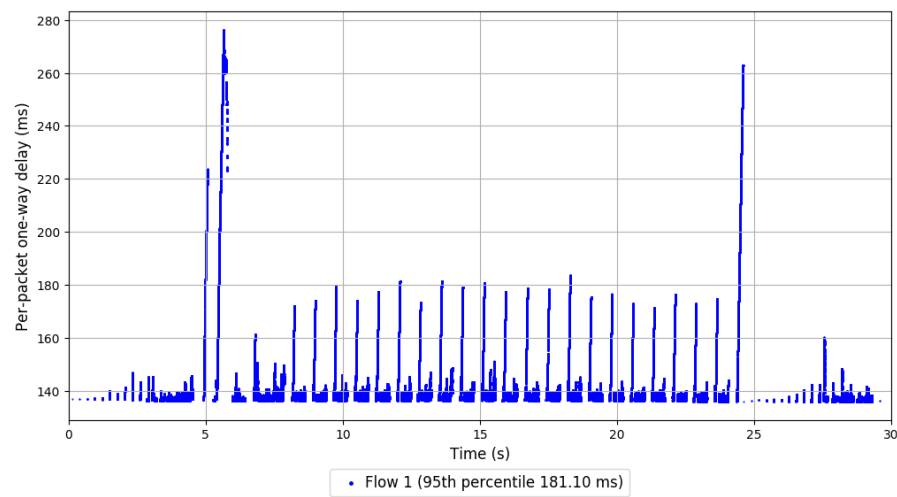
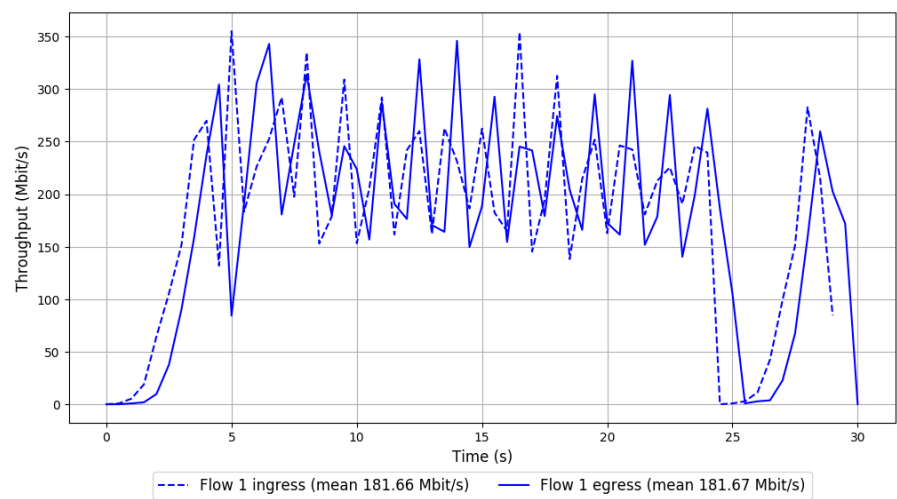


Run 8: Statistics of Verus

Start at: 2018-07-19 01:49:33
End at: 2018-07-19 01:50:03
Local clock offset: -0.469 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-07-19 04:13:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 181.67 Mbit/s
95th percentile per-packet one-way delay: 181.102 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 181.67 Mbit/s
95th percentile per-packet one-way delay: 181.102 ms
Loss rate: 0.00%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-19 02:12:39

End at: 2018-07-19 02:13:09

Local clock offset: 0.019 ms

Remote clock offset: 0.208 ms

Below is generated by plot.py at 2018-07-19 04:13:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.66 Mbit/s

95th percentile per-packet one-way delay: 149.815 ms

Loss rate: 0.00%

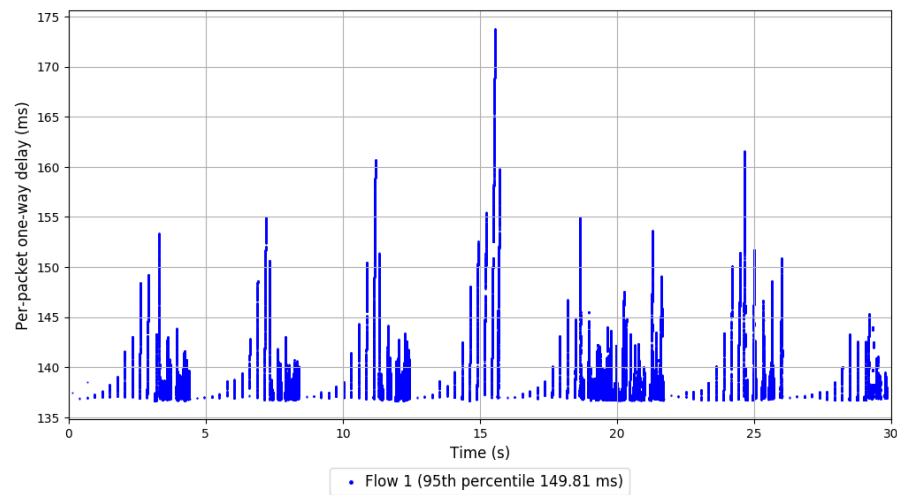
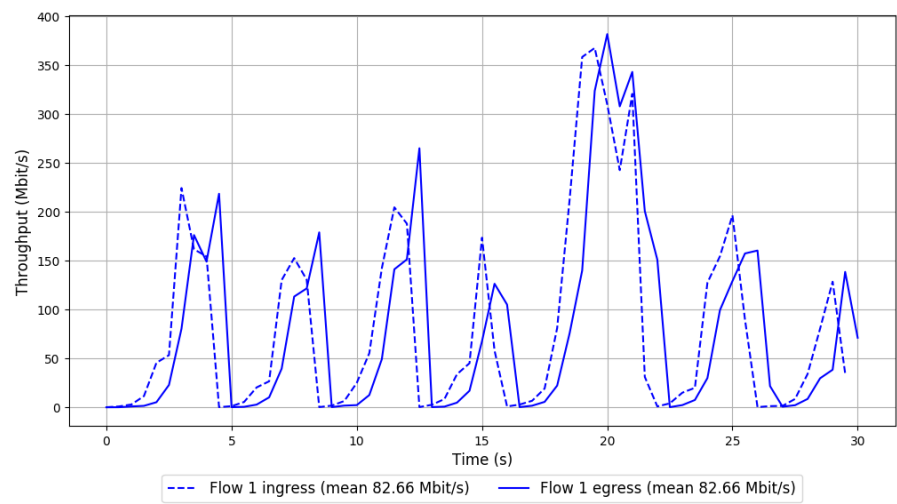
-- Flow 1:

Average throughput: 82.66 Mbit/s

95th percentile per-packet one-way delay: 149.815 ms

Loss rate: 0.00%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-19 02:35:22

End at: 2018-07-19 02:35:52

Local clock offset: 0.105 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-07-19 04:13:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 128.16 Mbit/s

95th percentile per-packet one-way delay: 282.531 ms

Loss rate: 1.04%

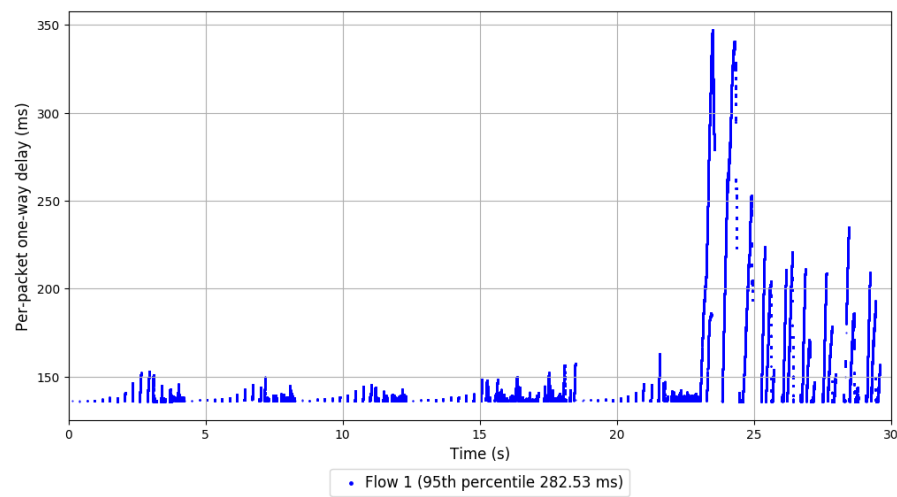
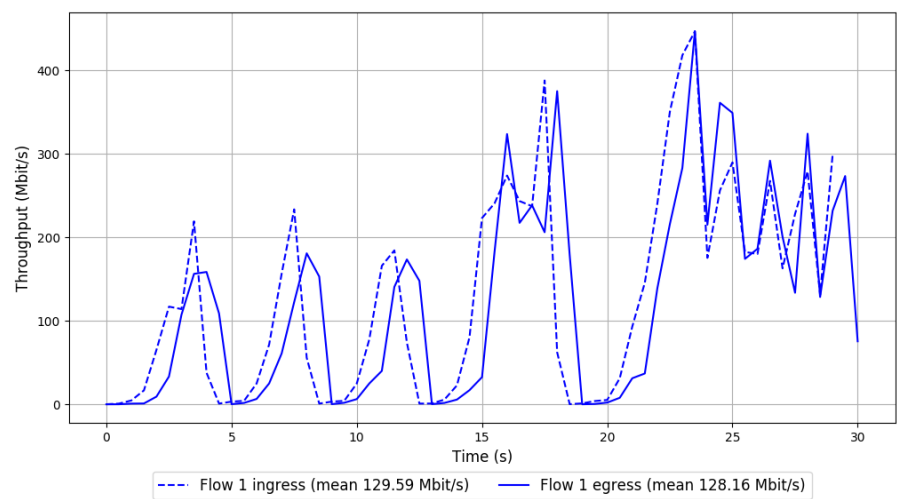
-- Flow 1:

Average throughput: 128.16 Mbit/s

95th percentile per-packet one-way delay: 282.531 ms

Loss rate: 1.04%

Run 10: Report of Verus — Data Link

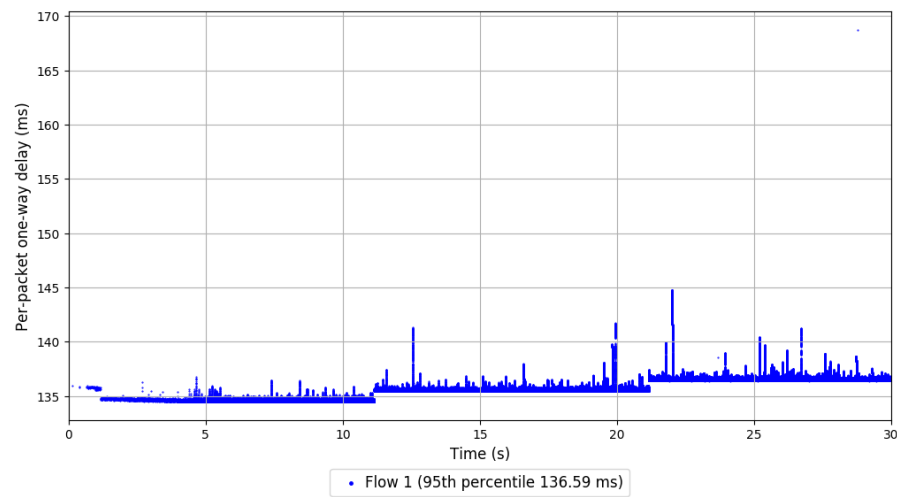
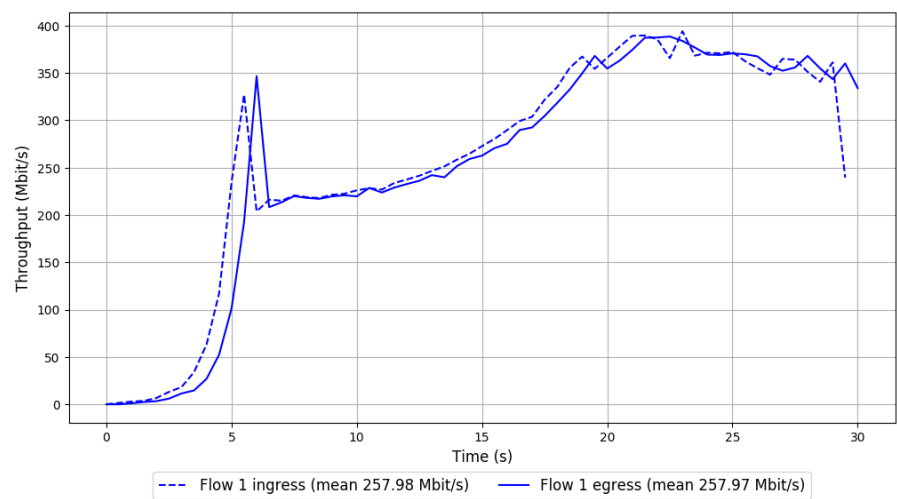


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-18 22:48:15
End at: 2018-07-18 22:48:45
Local clock offset: -0.105 ms
Remote clock offset: -0.173 ms

Below is generated by plot.py at 2018-07-19 04:15:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 257.97 Mbit/s
95th percentile per-packet one-way delay: 136.591 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 257.97 Mbit/s
95th percentile per-packet one-way delay: 136.591 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-18 23:11:22

End at: 2018-07-18 23:11:52

Local clock offset: -0.055 ms

Remote clock offset: 0.268 ms

Below is generated by plot.py at 2018-07-19 04:16:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 266.60 Mbit/s

95th percentile per-packet one-way delay: 136.388 ms

Loss rate: 0.00%

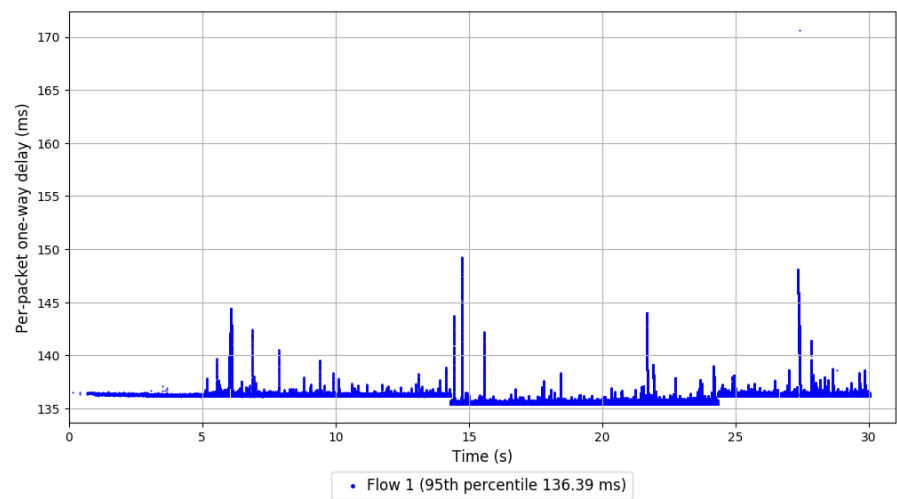
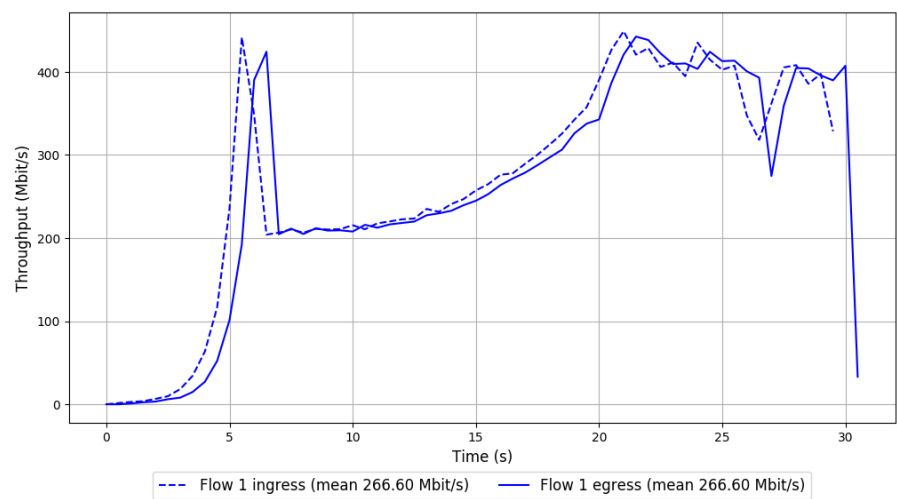
-- Flow 1:

Average throughput: 266.60 Mbit/s

95th percentile per-packet one-way delay: 136.388 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-18 23:34:11

End at: 2018-07-18 23:34:41

Local clock offset: -0.119 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-19 04:16:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 157.86 Mbit/s

95th percentile per-packet one-way delay: 136.156 ms

Loss rate: 0.00%

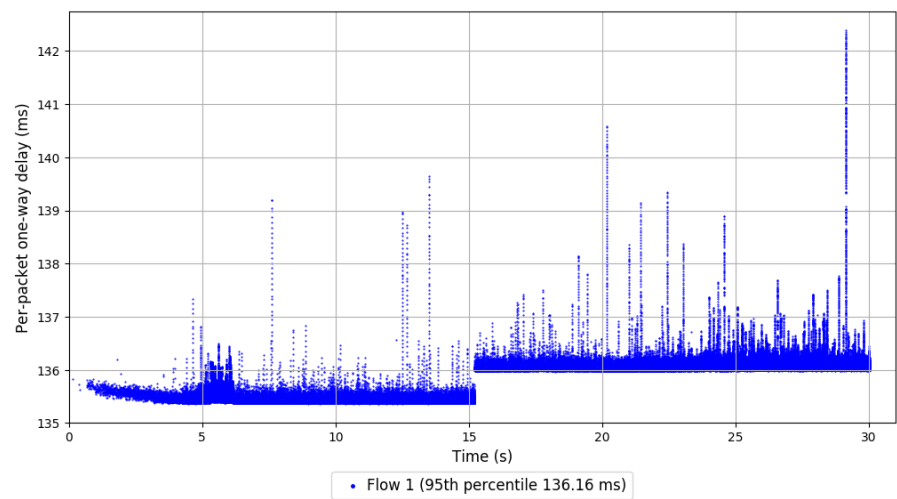
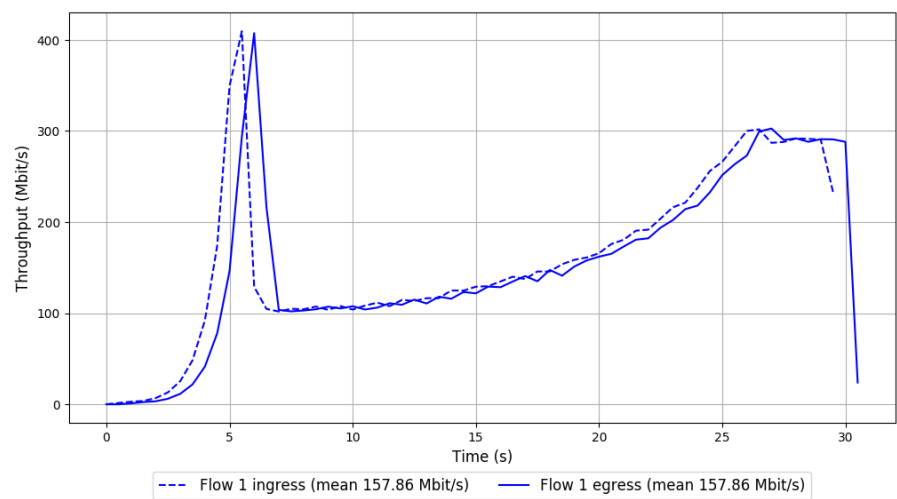
-- Flow 1:

Average throughput: 157.86 Mbit/s

95th percentile per-packet one-way delay: 136.156 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

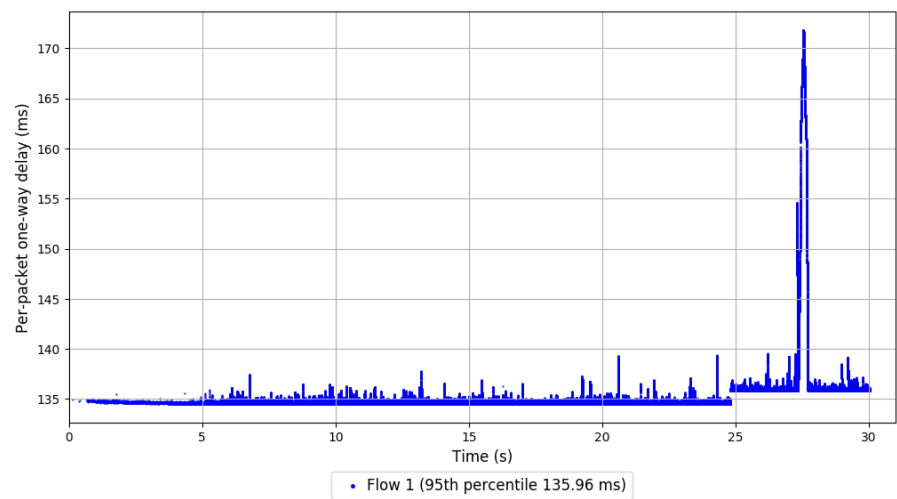
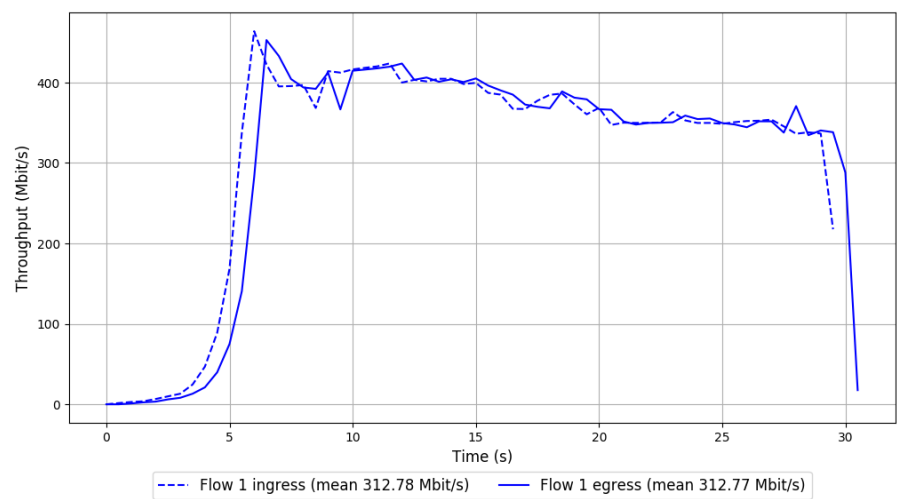


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-18 23:56:41
End at: 2018-07-18 23:57:11
Local clock offset: -0.308 ms
Remote clock offset: -0.372 ms

Below is generated by plot.py at 2018-07-19 04:17:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 312.77 Mbit/s
95th percentile per-packet one-way delay: 135.958 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 312.77 Mbit/s
95th percentile per-packet one-way delay: 135.958 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

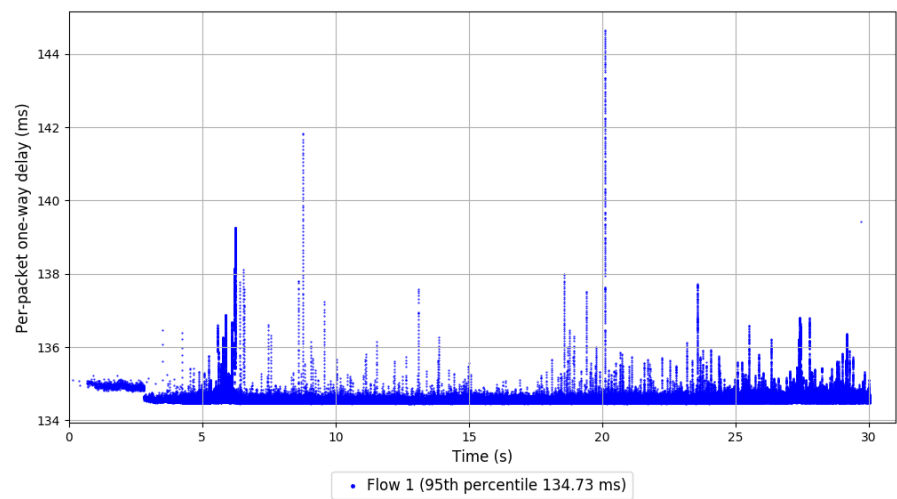
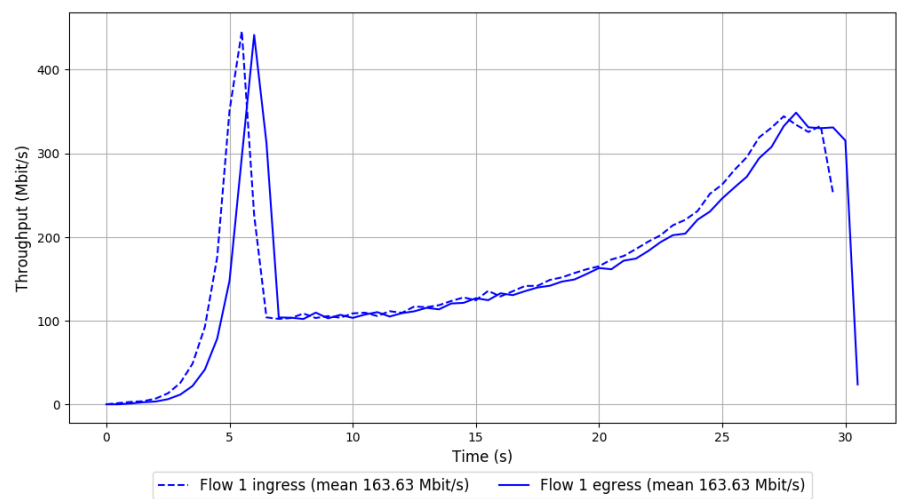


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-19 00:19:53
End at: 2018-07-19 00:20:23
Local clock offset: -0.291 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2018-07-19 04:17:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 163.63 Mbit/s
95th percentile per-packet one-way delay: 134.732 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 163.63 Mbit/s
95th percentile per-packet one-way delay: 134.732 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

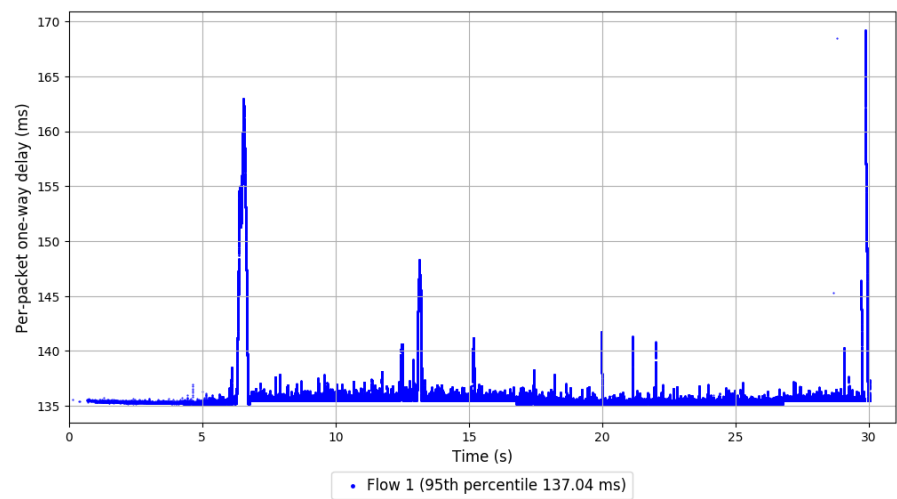
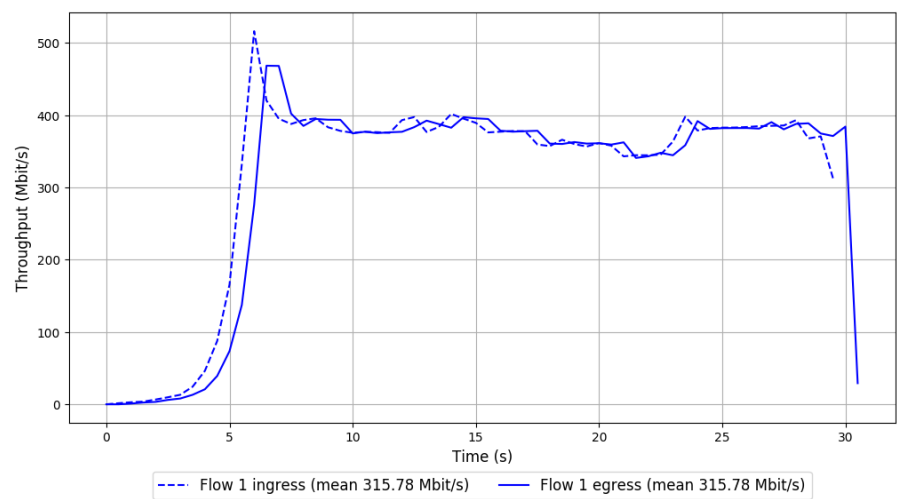


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-19 00:42:39
End at: 2018-07-19 00:43:09
Local clock offset: -0.33 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2018-07-19 04:18:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 315.78 Mbit/s
95th percentile per-packet one-way delay: 137.045 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 315.78 Mbit/s
95th percentile per-packet one-way delay: 137.045 ms
Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-19 01:05:19

End at: 2018-07-19 01:05:49

Local clock offset: -0.371 ms

Remote clock offset: 0.369 ms

Below is generated by plot.py at 2018-07-19 04:18:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 244.21 Mbit/s

95th percentile per-packet one-way delay: 137.311 ms

Loss rate: 0.00%

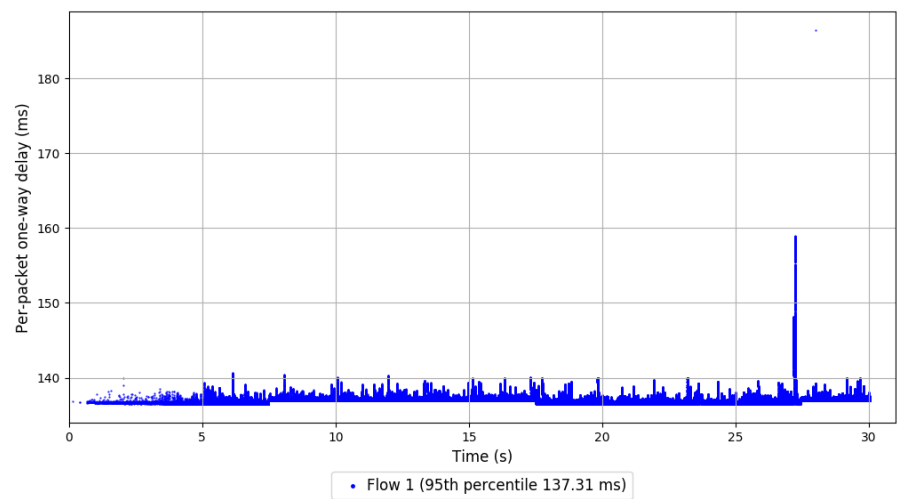
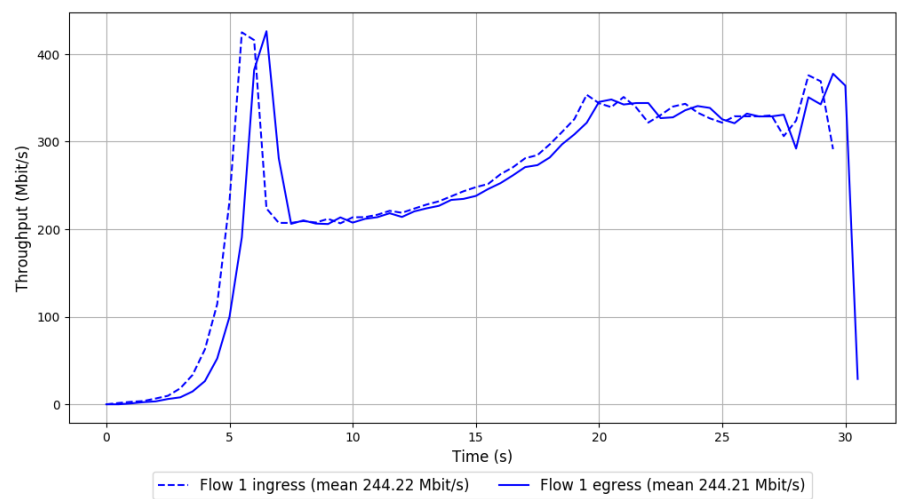
-- Flow 1:

Average throughput: 244.21 Mbit/s

95th percentile per-packet one-way delay: 137.311 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-19 01:27:56

End at: 2018-07-19 01:28:26

Local clock offset: -0.39 ms

Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-07-19 04:18:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 249.15 Mbit/s

95th percentile per-packet one-way delay: 136.142 ms

Loss rate: 0.00%

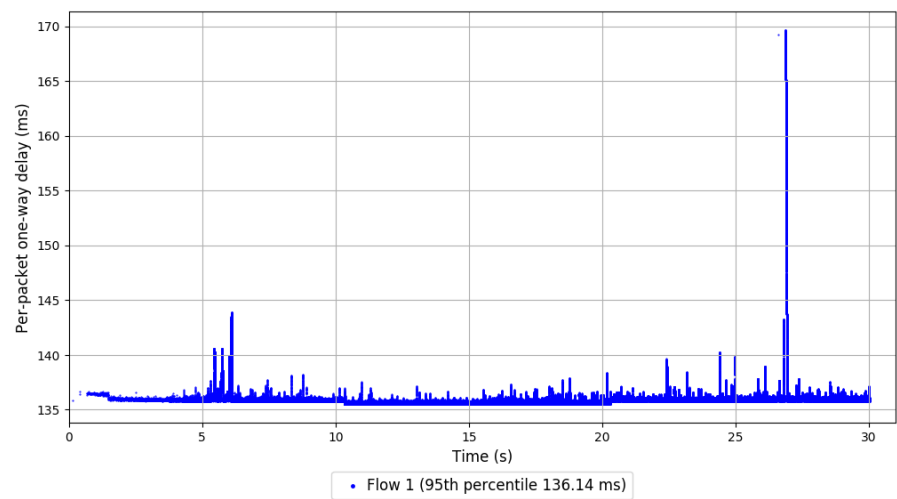
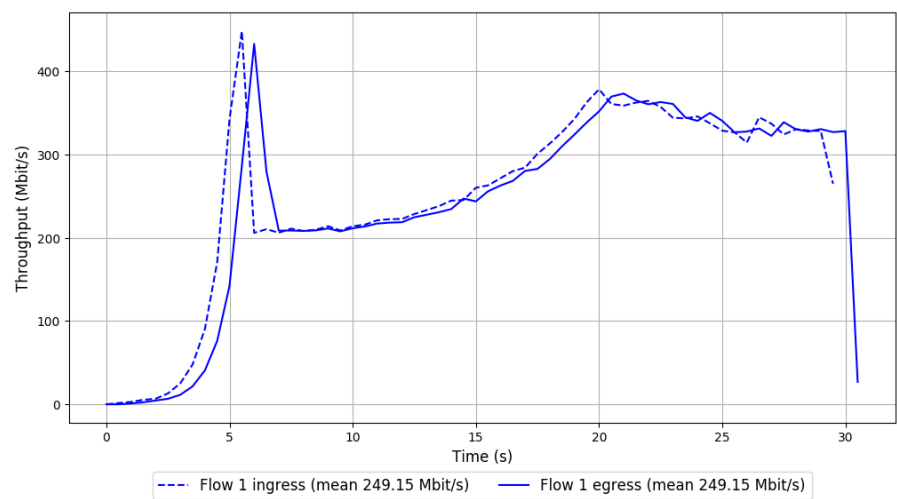
-- Flow 1:

Average throughput: 249.15 Mbit/s

95th percentile per-packet one-way delay: 136.142 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-19 01:50:56

End at: 2018-07-19 01:51:26

Local clock offset: -0.37 ms

Remote clock offset: -0.124 ms

Below is generated by plot.py at 2018-07-19 04:18:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 350.13 Mbit/s

95th percentile per-packet one-way delay: 137.250 ms

Loss rate: 0.00%

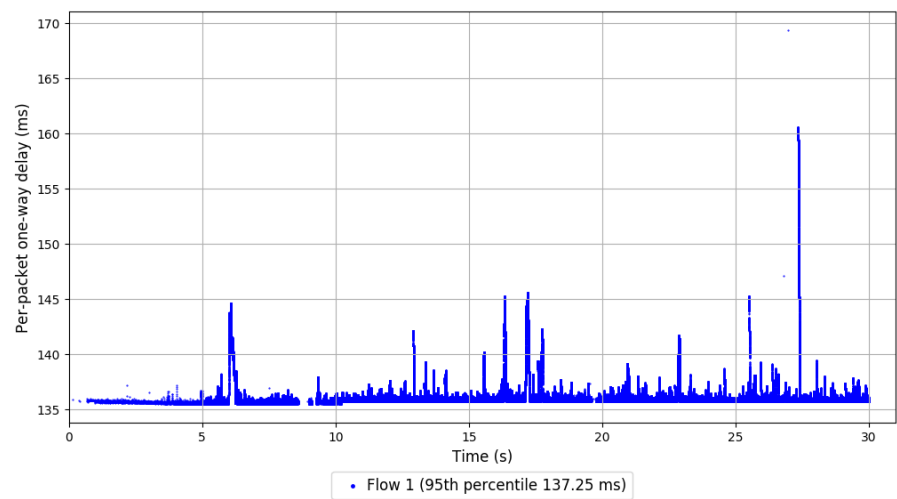
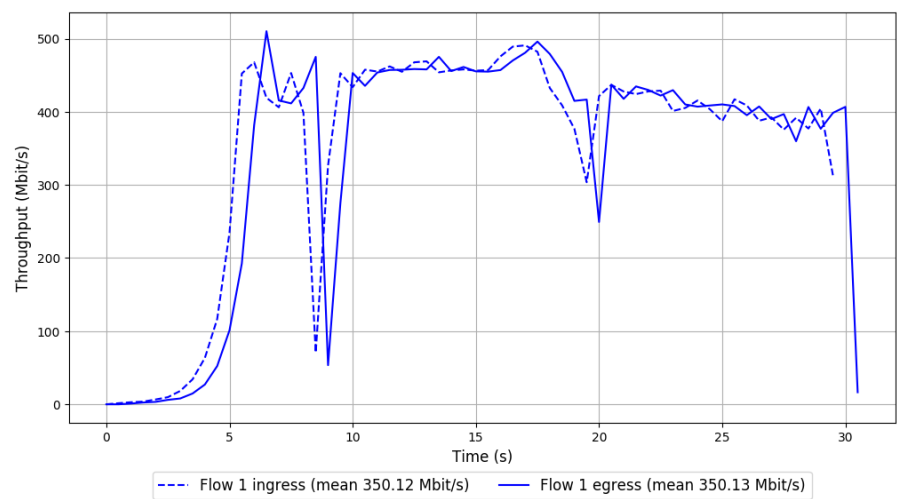
-- Flow 1:

Average throughput: 350.13 Mbit/s

95th percentile per-packet one-way delay: 137.250 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-19 02:13:54

End at: 2018-07-19 02:14:24

Local clock offset: -0.127 ms

Remote clock offset: -0.174 ms

Below is generated by plot.py at 2018-07-19 04:18:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 239.90 Mbit/s

95th percentile per-packet one-way delay: 136.797 ms

Loss rate: 0.00%

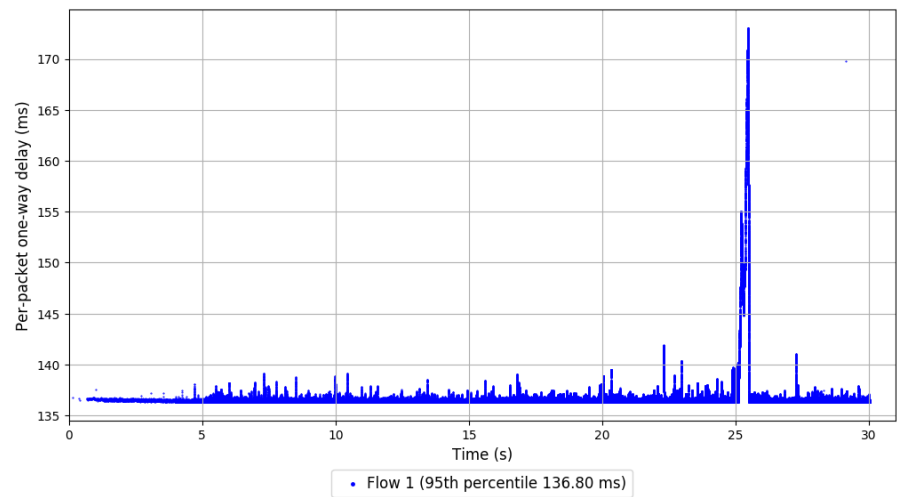
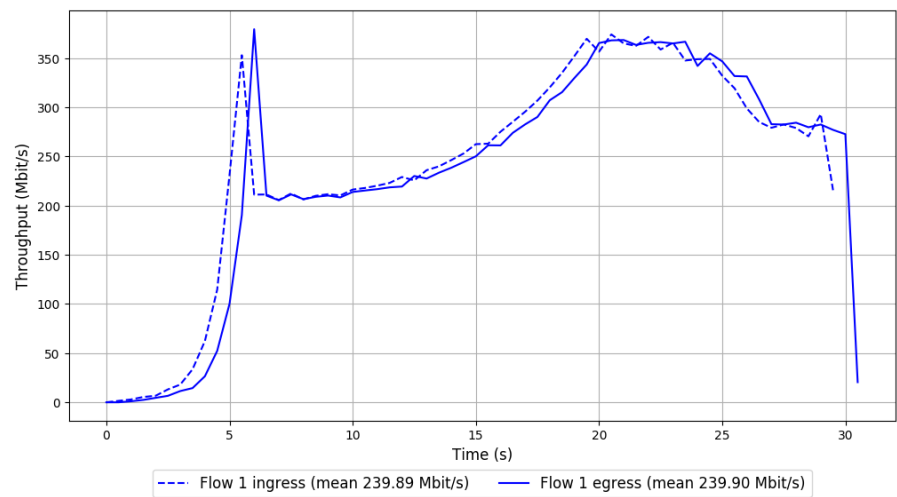
-- Flow 1:

Average throughput: 239.90 Mbit/s

95th percentile per-packet one-way delay: 136.797 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-07-18 22:55:19

End at: 2018-07-18 22:55:49

Local clock offset: -0.204 ms

Remote clock offset: 0.165 ms

Below is generated by plot.py at 2018-07-19 04:18:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 136.722 ms

Loss rate: 0.00%

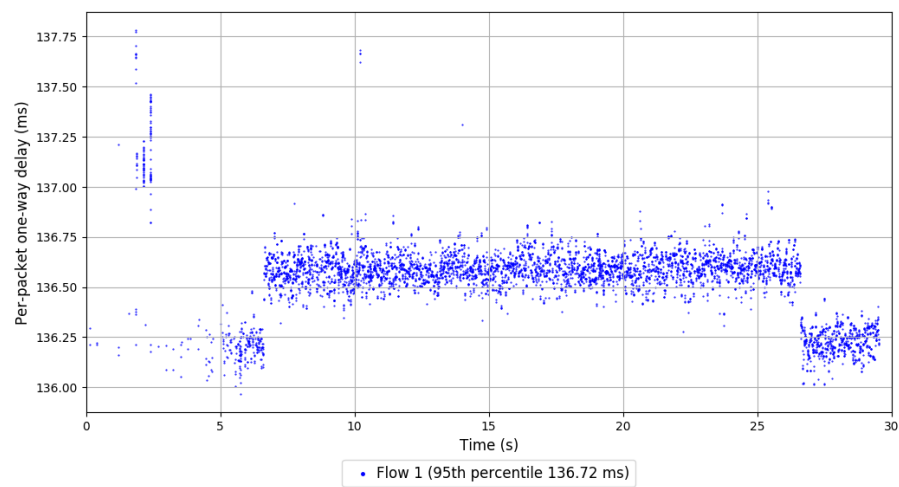
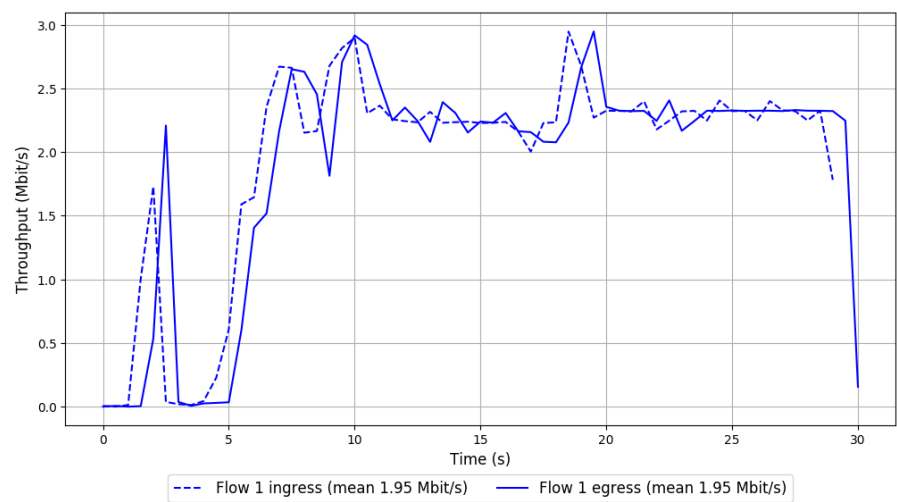
-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 136.722 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

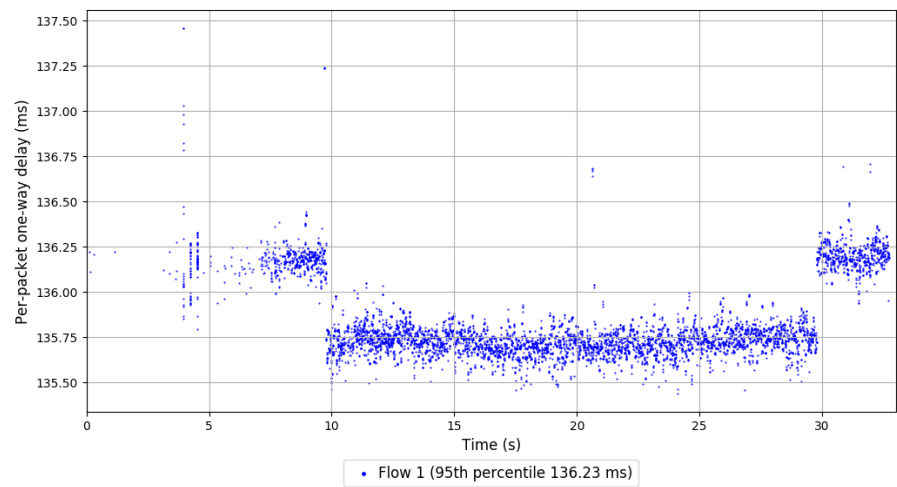
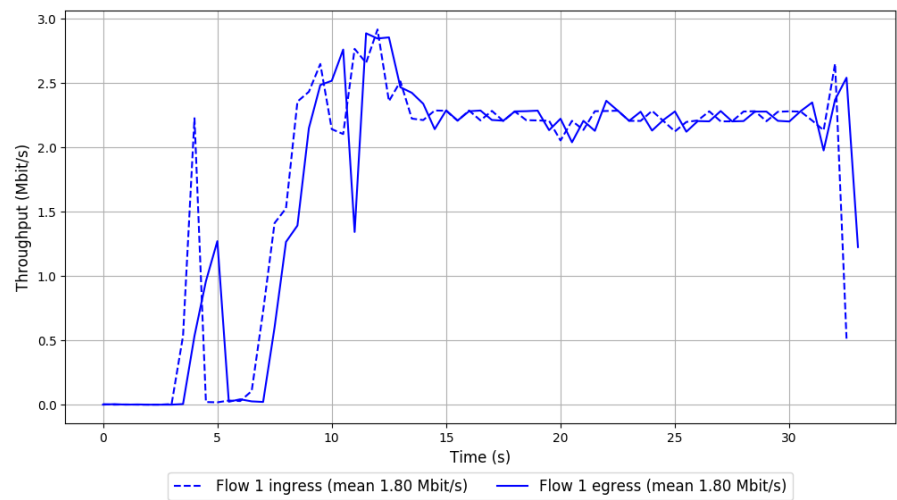


Run 2: Statistics of WebRTC media

Start at: 2018-07-18 23:18:19
End at: 2018-07-18 23:18:49
Local clock offset: -0.112 ms
Remote clock offset: -0.425 ms

Below is generated by plot.py at 2018-07-19 04:18:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 136.234 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 136.234 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

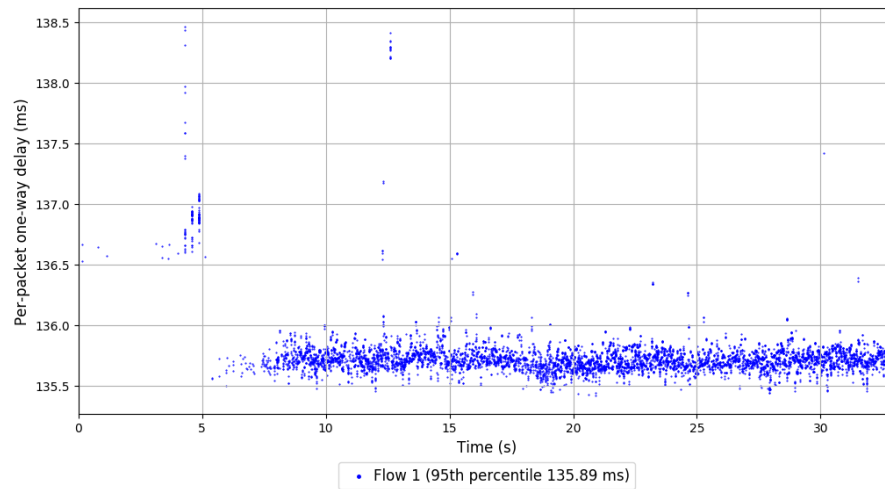
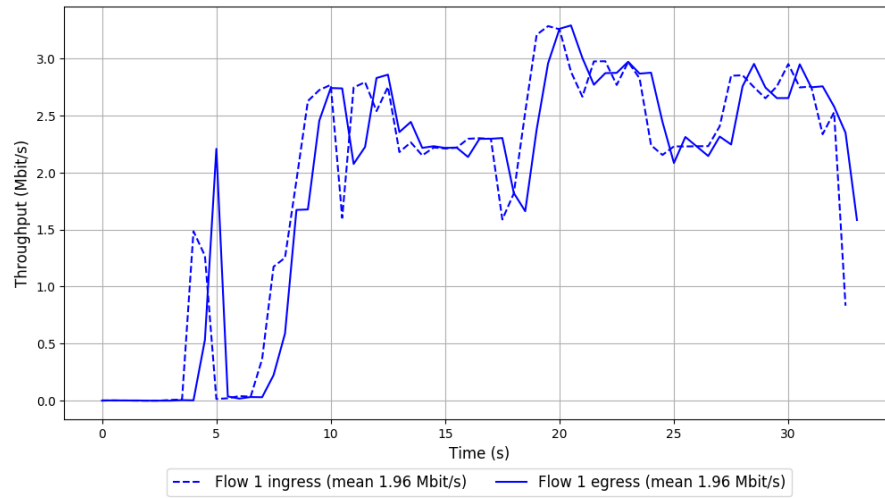


Run 3: Statistics of WebRTC media

Start at: 2018-07-18 23:40:53
End at: 2018-07-18 23:41:23
Local clock offset: -0.416 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-07-19 04:18:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 135.891 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 135.891 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-19 00:03:43

End at: 2018-07-19 00:04:13

Local clock offset: -0.061 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-07-19 04:18:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 136.479 ms

Loss rate: 0.00%

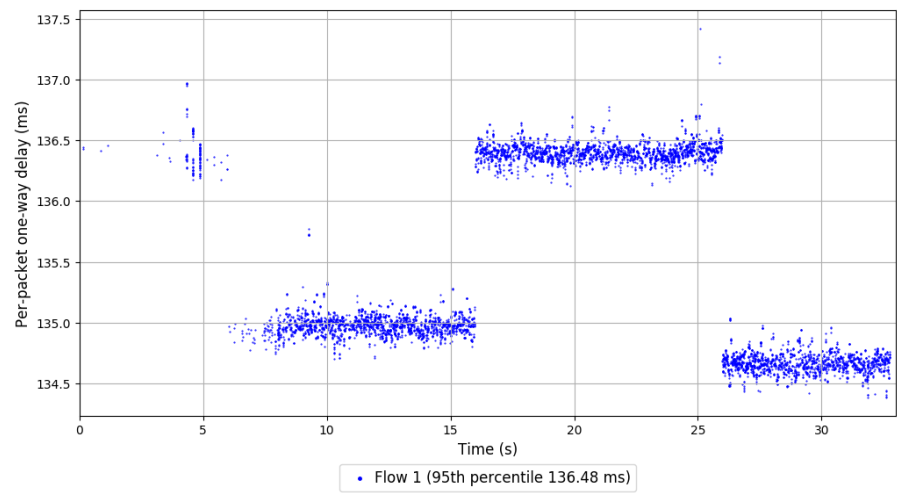
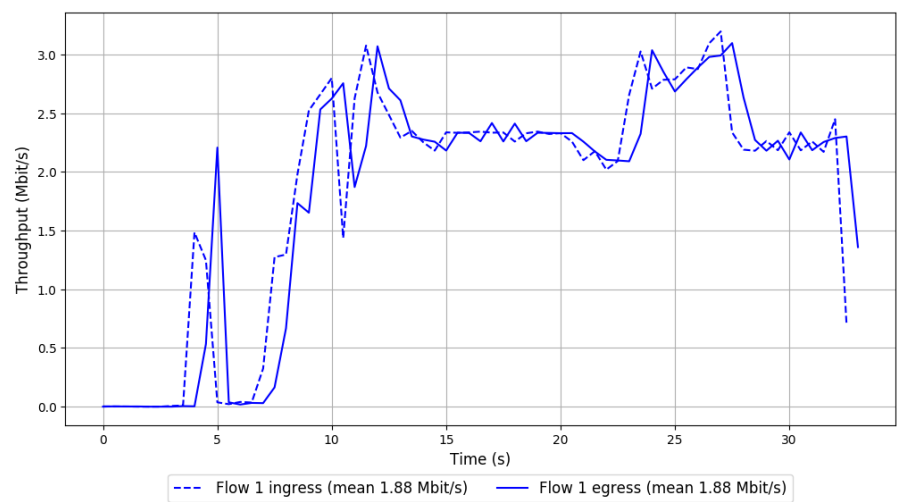
-- Flow 1:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 136.479 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

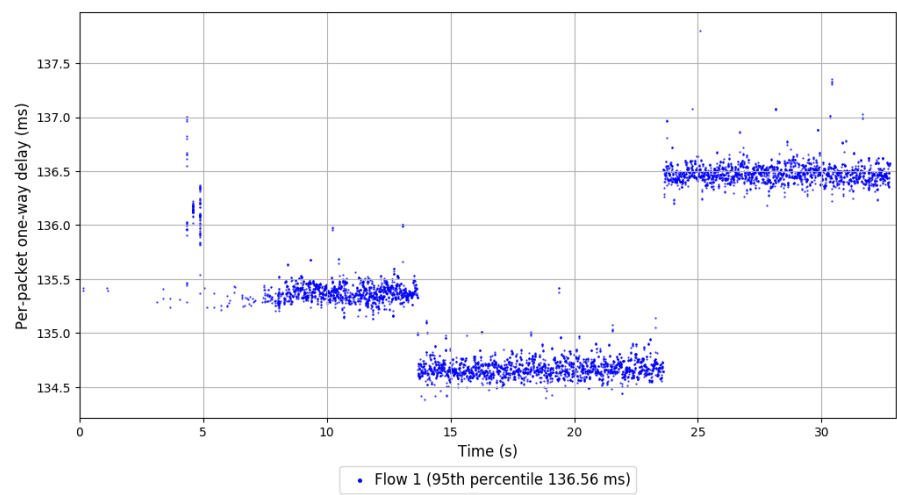
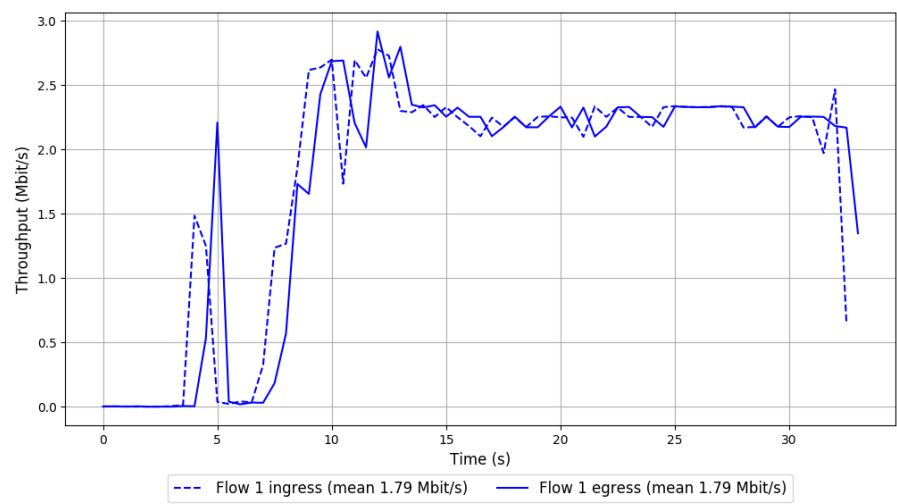


Run 5: Statistics of WebRTC media

Start at: 2018-07-19 00:26:35
End at: 2018-07-19 00:27:05
Local clock offset: -0.199 ms
Remote clock offset: -0.167 ms

Below is generated by plot.py at 2018-07-19 04:18:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.79 Mbit/s
95th percentile per-packet one-way delay: 136.555 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.79 Mbit/s
95th percentile per-packet one-way delay: 136.555 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-19 00:49:34

End at: 2018-07-19 00:50:04

Local clock offset: -0.603 ms

Remote clock offset: 0.303 ms

Below is generated by plot.py at 2018-07-19 04:18:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.78 Mbit/s

95th percentile per-packet one-way delay: 137.328 ms

Loss rate: 0.00%

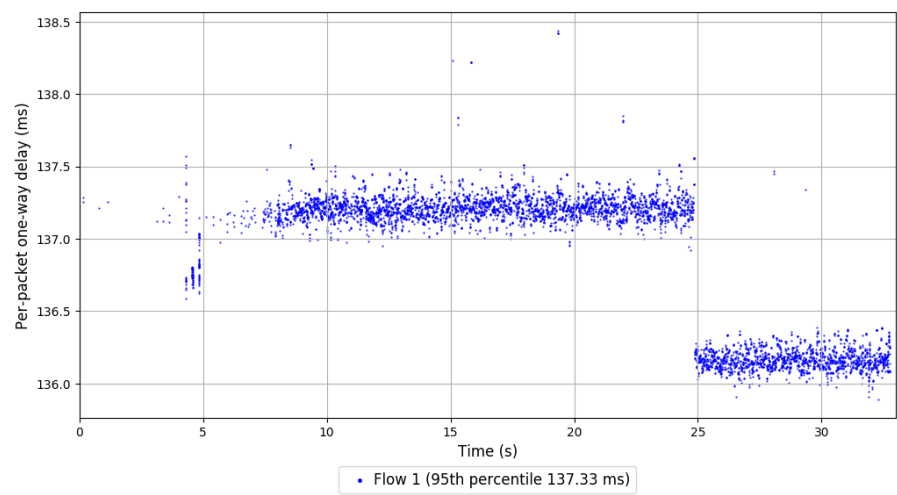
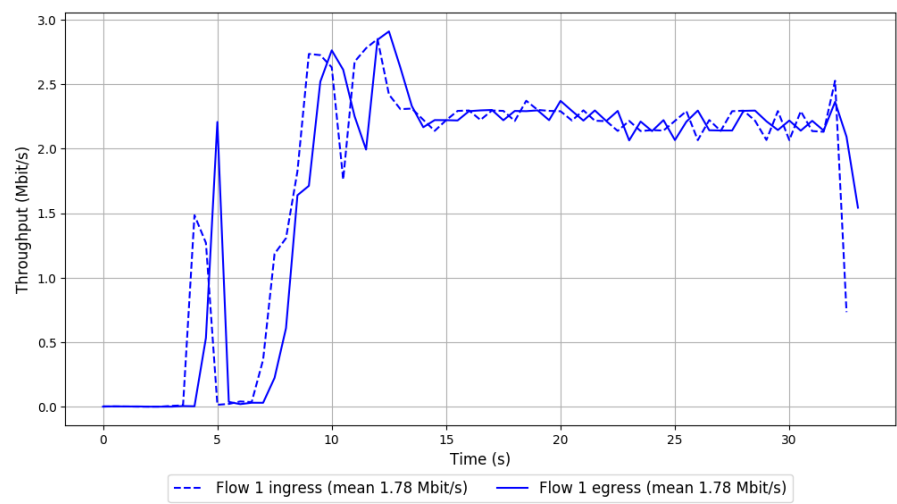
-- Flow 1:

Average throughput: 1.78 Mbit/s

95th percentile per-packet one-way delay: 137.328 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-19 01:12:12

End at: 2018-07-19 01:12:42

Local clock offset: -0.518 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-07-19 04:18:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.74 Mbit/s

95th percentile per-packet one-way delay: 136.947 ms

Loss rate: 0.00%

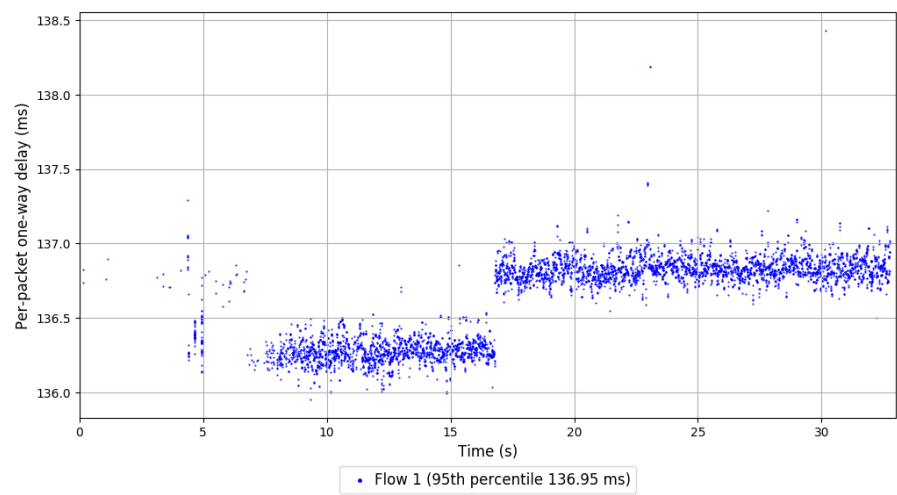
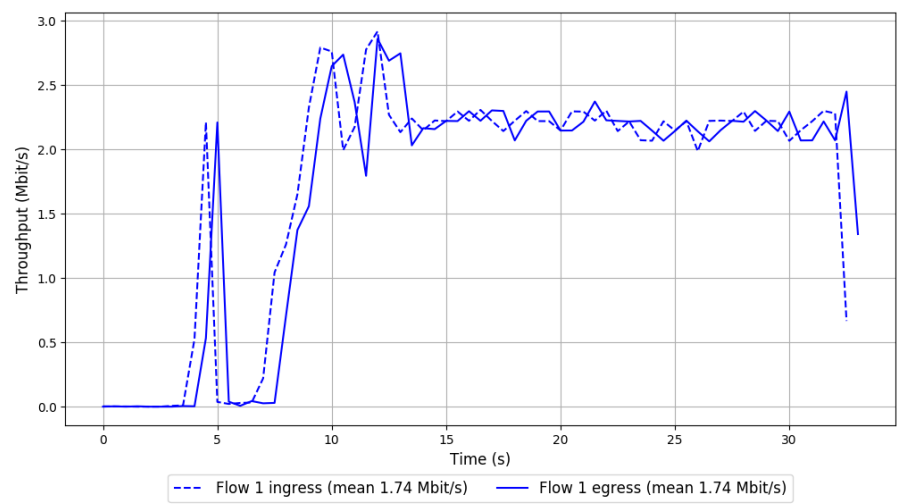
-- Flow 1:

Average throughput: 1.74 Mbit/s

95th percentile per-packet one-way delay: 136.947 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

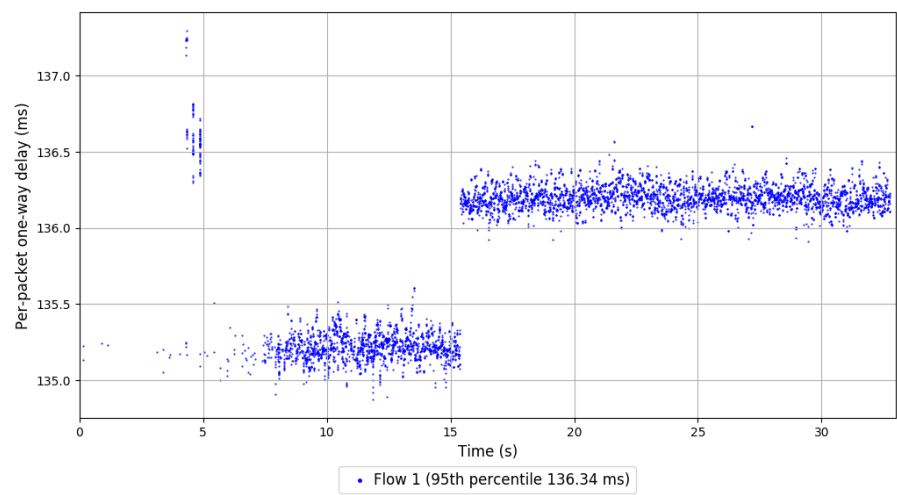
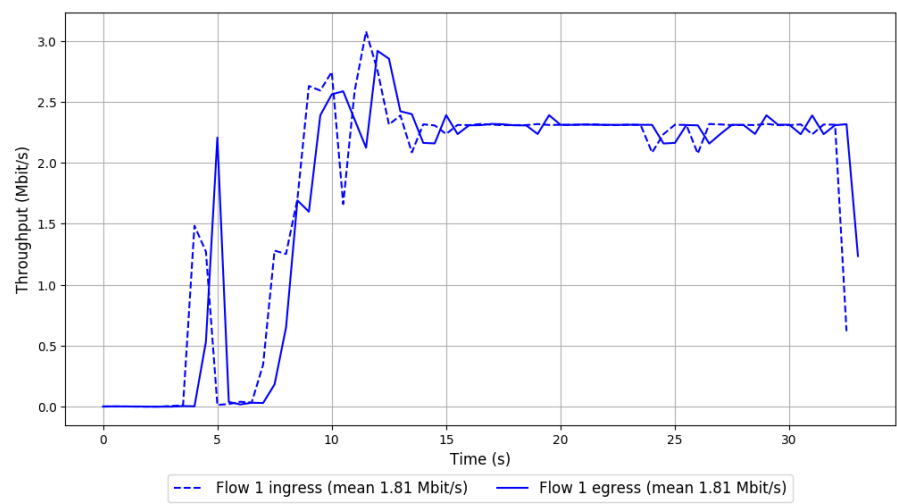


Run 8: Statistics of WebRTC media

Start at: 2018-07-19 01:34:53
End at: 2018-07-19 01:35:23
Local clock offset: -0.425 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-07-19 04:18:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 136.338 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 136.338 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

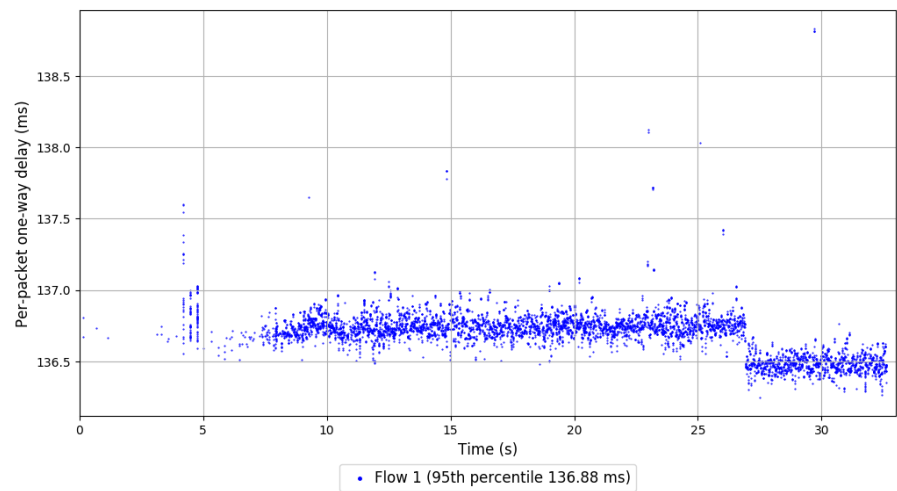
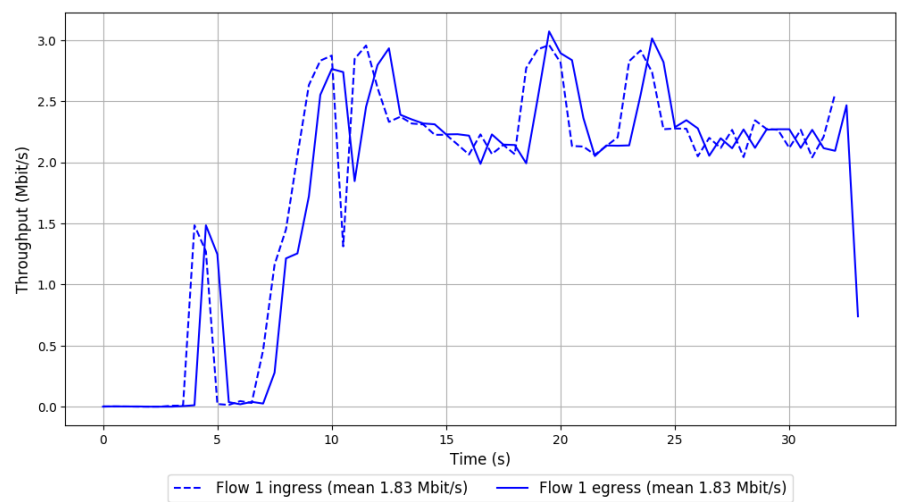


Run 9: Statistics of WebRTC media

Start at: 2018-07-19 01:58:02
End at: 2018-07-19 01:58:32
Local clock offset: -0.297 ms
Remote clock offset: -0.165 ms

Below is generated by plot.py at 2018-07-19 04:18:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 136.880 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 136.880 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-19 02:21:06

End at: 2018-07-19 02:21:36

Local clock offset: 0.047 ms

Remote clock offset: -0.205 ms

Below is generated by plot.py at 2018-07-19 04:18:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.79 Mbit/s

95th percentile per-packet one-way delay: 136.621 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.79 Mbit/s

95th percentile per-packet one-way delay: 136.621 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

