

Pantheon Report

Generated at 2018-08-11 06:36:06 (UTC).

Data path: GCE Iowa Ethernet (*local*) → GCE Tokyo Ethernet (*remote*).

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

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

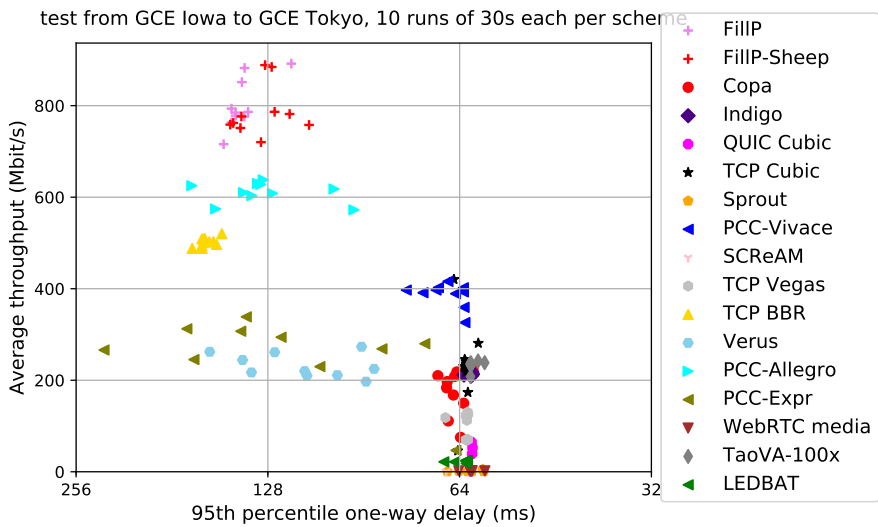
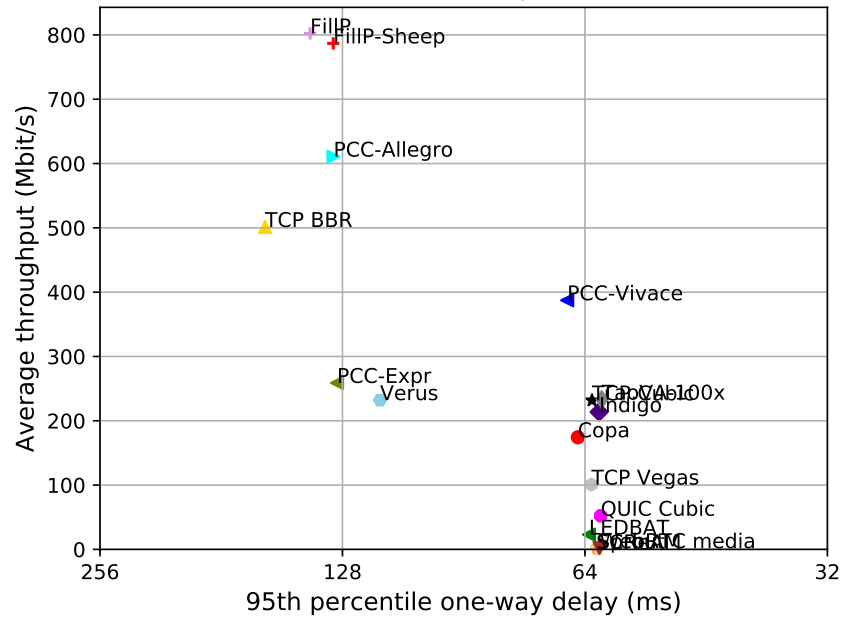
System info:

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

Git summary:

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

test from GCE Iowa to GCE Tokyo, 10 runs of 30s each per scheme
(mean of all runs by 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	501.30	159.72	2.54
Copa	10	174.36	65.31	0.00
TCP Cubic	10	231.74	62.73	0.00
FillP	10	802.38	140.41	5.06
FillP-Sheep	10	786.80	131.42	1.51
Indigo	10	213.57	61.46	0.01
LEDBAT	10	22.95	63.28	0.01
PCC-Allegro	10	610.68	131.32	0.65
PCC-Expr	10	258.83	130.02	1.91
QUIC Cubic	3	52.25	61.19	0.00
SCReAM	10	0.22	61.98	0.00
Sprout	10	1.49	61.82	0.01
TaoVA-100x	9	232.88	60.99	0.00
TCP Vegas	10	100.74	62.83	0.00
Verus	10	232.07	114.98	0.13
PCC-Vivace	10	387.34	67.34	0.00
WebRTC media	10	2.03	61.40	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-08-11 00:42:28

End at: 2018-08-11 00:42:58

Local clock offset: 0.459 ms

Remote clock offset: 0.24 ms

Below is generated by plot.py at 2018-08-11 04:46:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 520.11 Mbit/s

95th percentile per-packet one-way delay: 151.174 ms

Loss rate: 1.37%

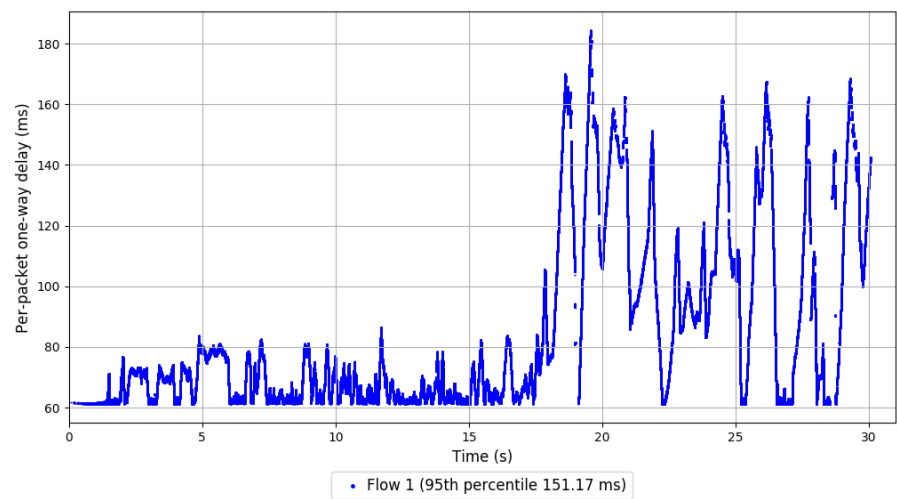
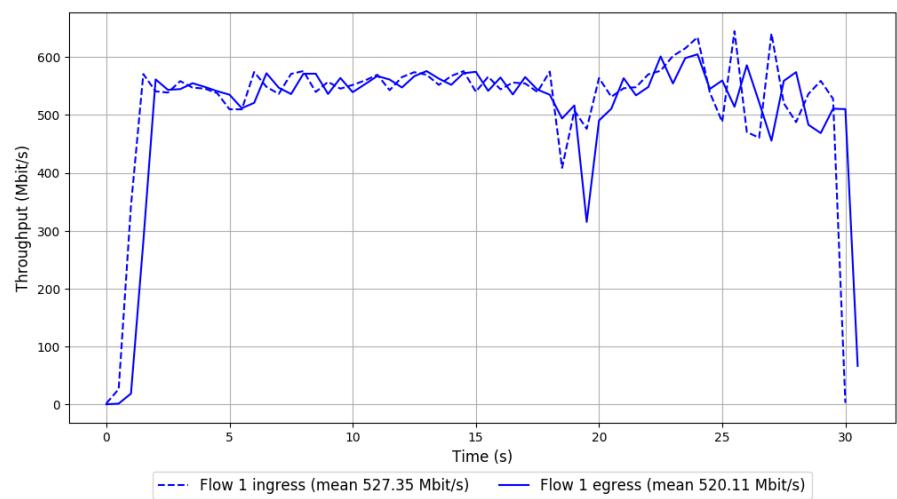
-- Flow 1:

Average throughput: 520.11 Mbit/s

95th percentile per-packet one-way delay: 151.174 ms

Loss rate: 1.37%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-08-11 01:05:27

End at: 2018-08-11 01:05:57

Local clock offset: 0.202 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-08-11 04:46:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 502.83 Mbit/s

95th percentile per-packet one-way delay: 155.864 ms

Loss rate: 2.21%

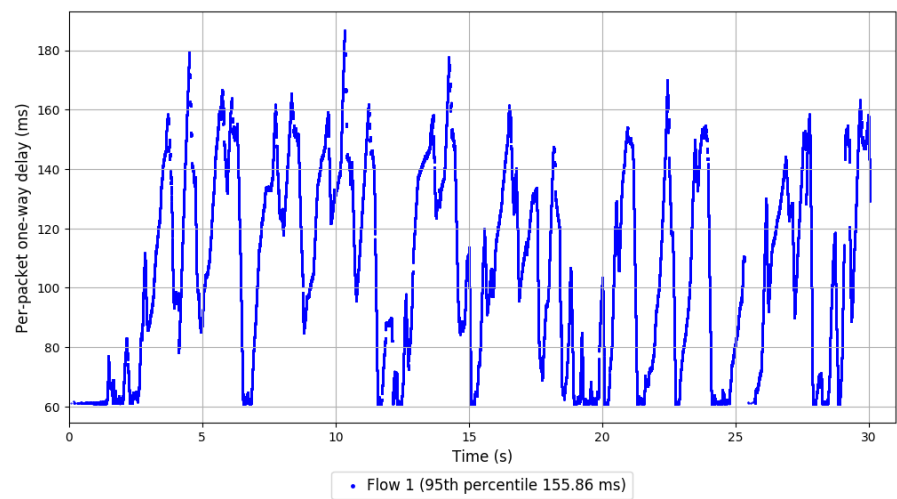
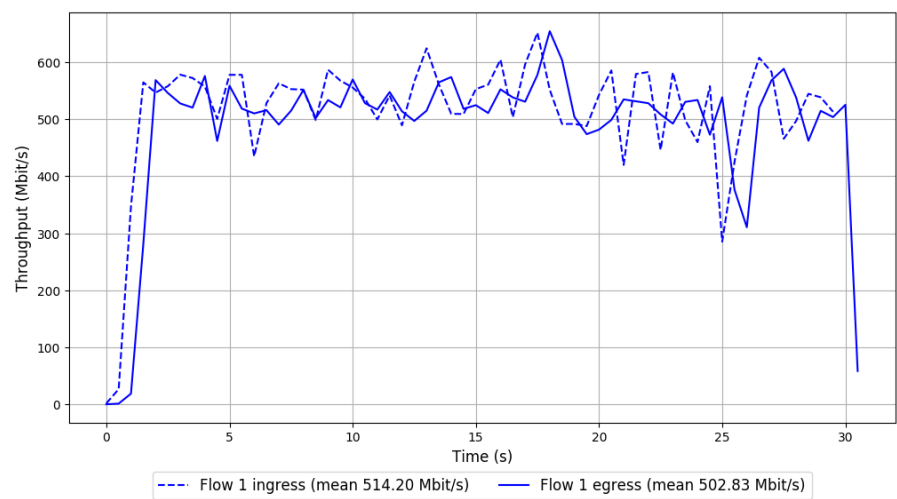
-- Flow 1:

Average throughput: 502.83 Mbit/s

95th percentile per-packet one-way delay: 155.864 ms

Loss rate: 2.21%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-08-11 01:28:13

End at: 2018-08-11 01:28:43

Local clock offset: 0.207 ms

Remote clock offset: -2.78 ms

Below is generated by plot.py at 2018-08-11 04:46:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 508.83 Mbit/s

95th percentile per-packet one-way delay: 162.423 ms

Loss rate: 2.49%

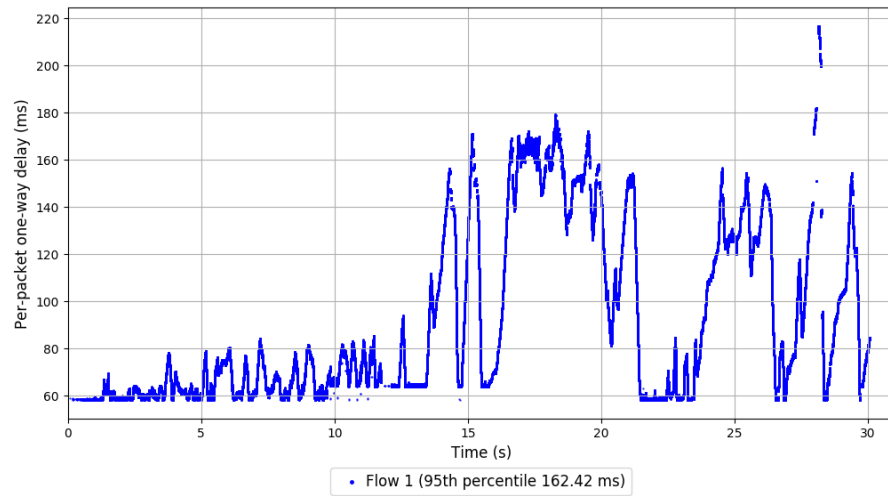
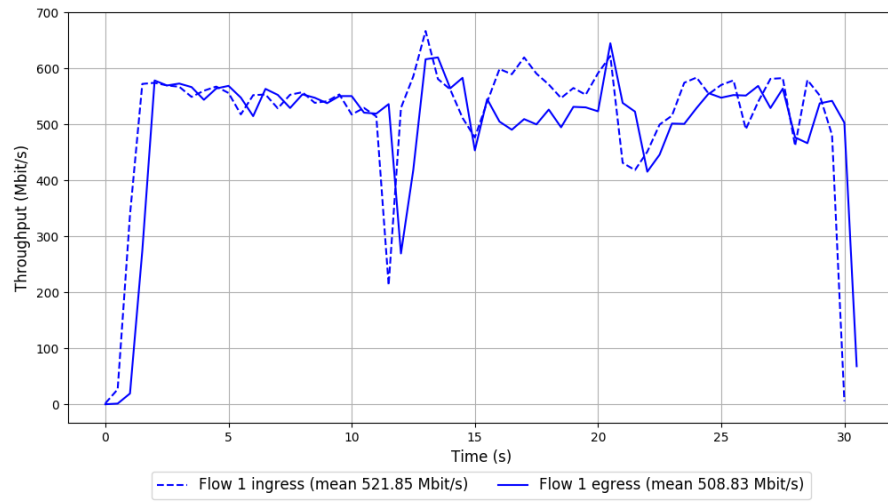
-- Flow 1:

Average throughput: 508.83 Mbit/s

95th percentile per-packet one-way delay: 162.423 ms

Loss rate: 2.49%

Run 3: Report of TCP BBR — Data Link

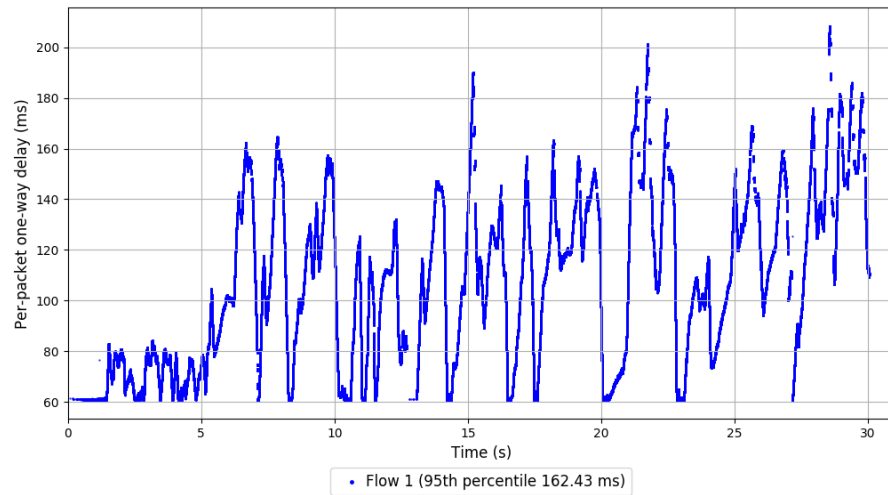
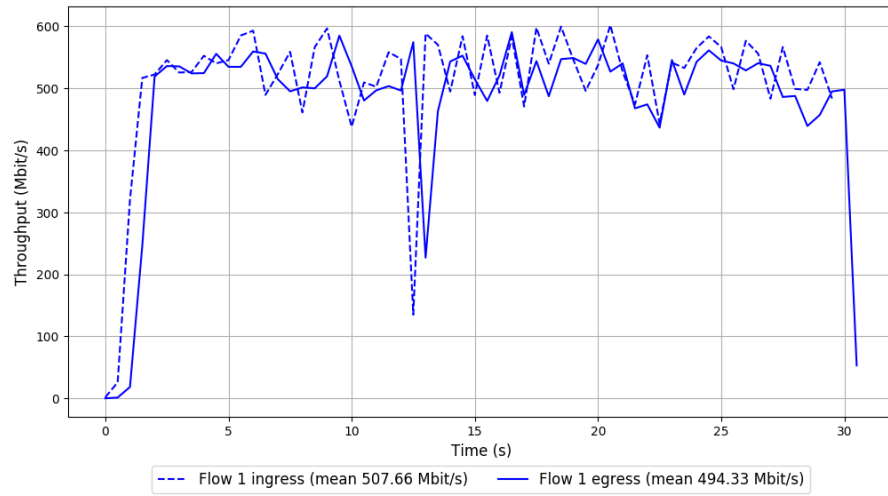


Run 4: Statistics of TCP BBR

Start at: 2018-08-11 01:50:40
End at: 2018-08-11 01:51:10
Local clock offset: 0.32 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-08-11 04:46:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 494.33 Mbit/s
95th percentile per-packet one-way delay: 162.430 ms
Loss rate: 2.62%
-- Flow 1:
Average throughput: 494.33 Mbit/s
95th percentile per-packet one-way delay: 162.430 ms
Loss rate: 2.62%

Run 4: Report of TCP BBR — Data Link

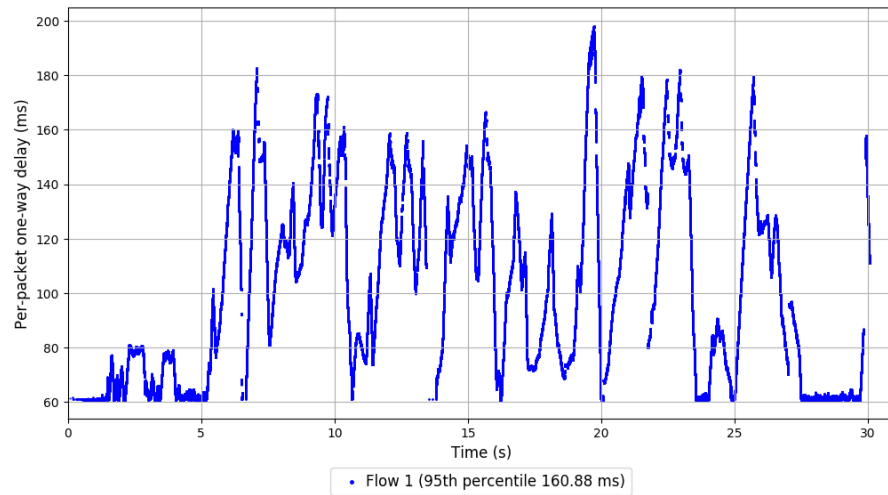
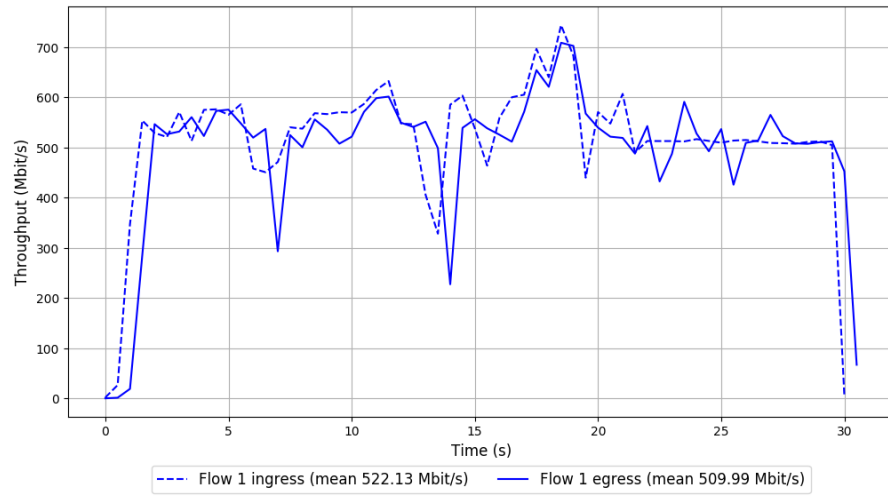


Run 5: Statistics of TCP BBR

Start at: 2018-08-11 02:13:51
End at: 2018-08-11 02:14:21
Local clock offset: 0.493 ms
Remote clock offset: -0.205 ms

Below is generated by plot.py at 2018-08-11 04:46:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 509.99 Mbit/s
95th percentile per-packet one-way delay: 160.883 ms
Loss rate: 2.32%
-- Flow 1:
Average throughput: 509.99 Mbit/s
95th percentile per-packet one-way delay: 160.883 ms
Loss rate: 2.32%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-08-11 02:36:48

End at: 2018-08-11 02:37:18

Local clock offset: 0.617 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-08-11 04:46:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 496.85 Mbit/s

95th percentile per-packet one-way delay: 154.118 ms

Loss rate: 1.94%

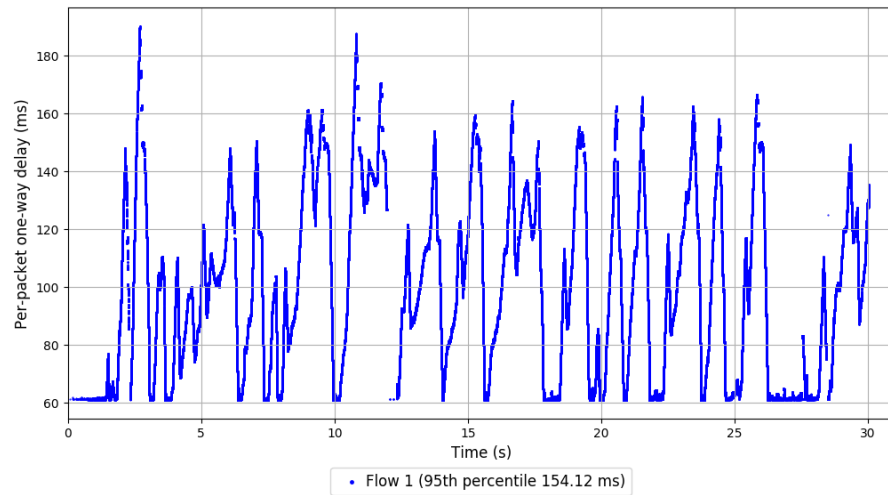
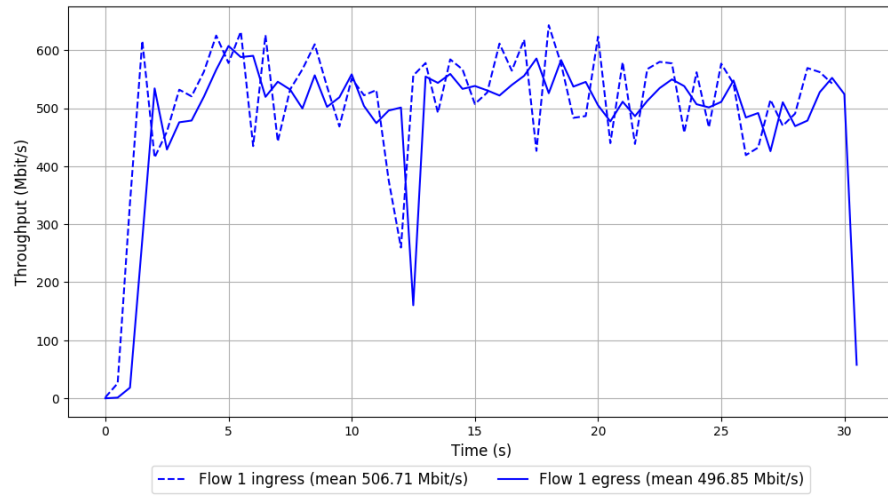
-- Flow 1:

Average throughput: 496.85 Mbit/s

95th percentile per-packet one-way delay: 154.118 ms

Loss rate: 1.94%

Run 6: Report of TCP BBR — Data Link

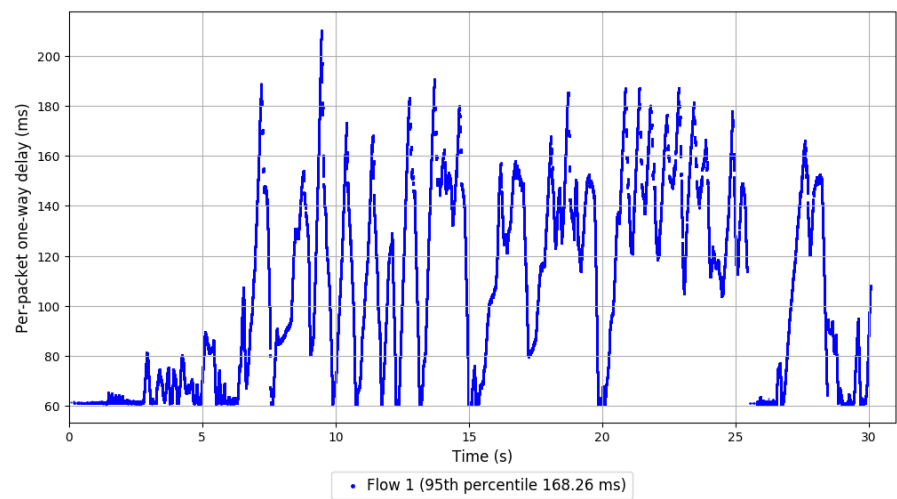
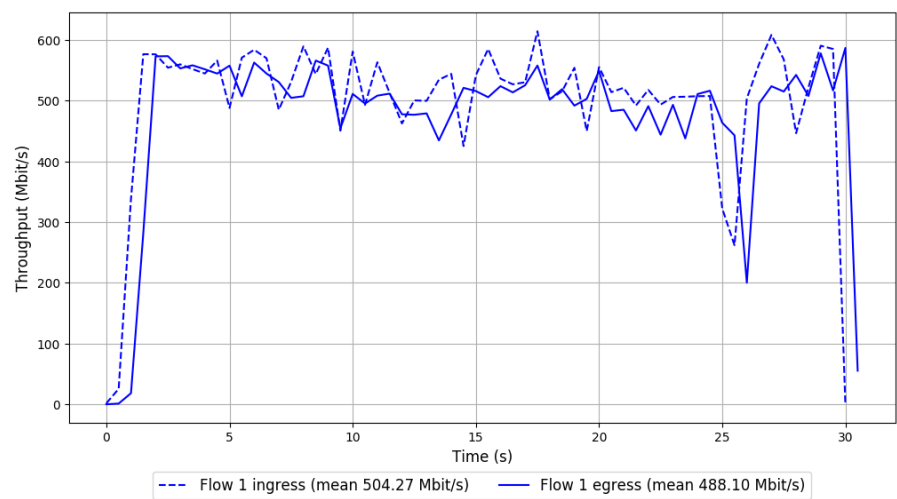


Run 7: Statistics of TCP BBR

Start at: 2018-08-11 02:59:35
End at: 2018-08-11 03:00:05
Local clock offset: 0.847 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-08-11 04:46:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 488.10 Mbit/s
95th percentile per-packet one-way delay: 168.261 ms
Loss rate: 3.21%
-- Flow 1:
Average throughput: 488.10 Mbit/s
95th percentile per-packet one-way delay: 168.261 ms
Loss rate: 3.21%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-08-11 03:21:58

End at: 2018-08-11 03:22:28

Local clock offset: 0.11 ms

Remote clock offset: 2.884 ms

Below is generated by plot.py at 2018-08-11 04:46:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 501.22 Mbit/s

95th percentile per-packet one-way delay: 161.558 ms

Loss rate: 3.03%

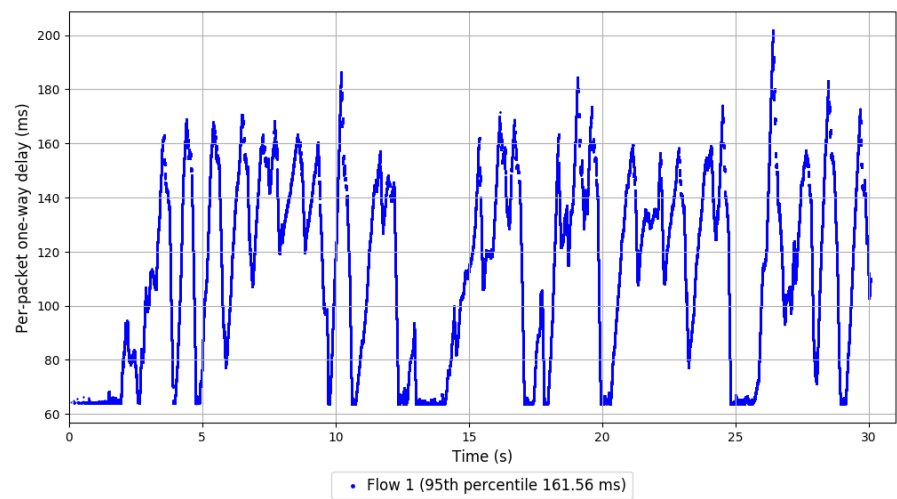
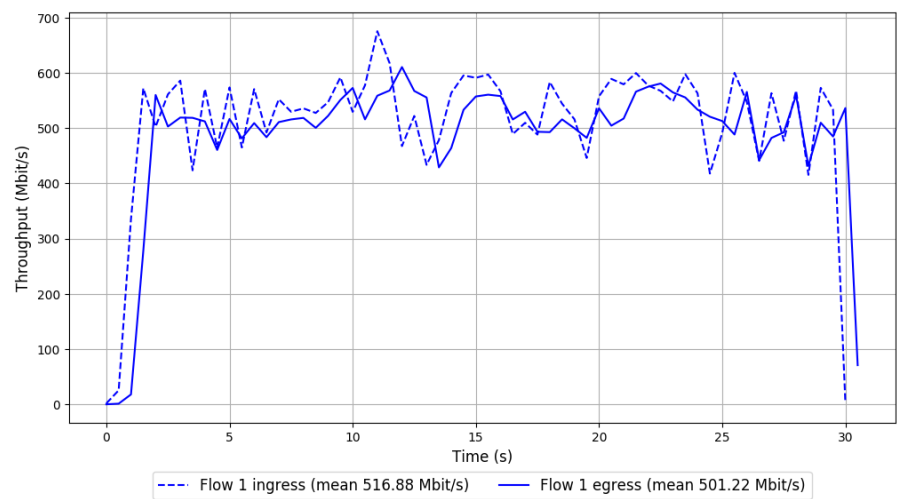
-- Flow 1:

Average throughput: 501.22 Mbit/s

95th percentile per-packet one-way delay: 161.558 ms

Loss rate: 3.03%

Run 8: Report of TCP BBR — Data Link

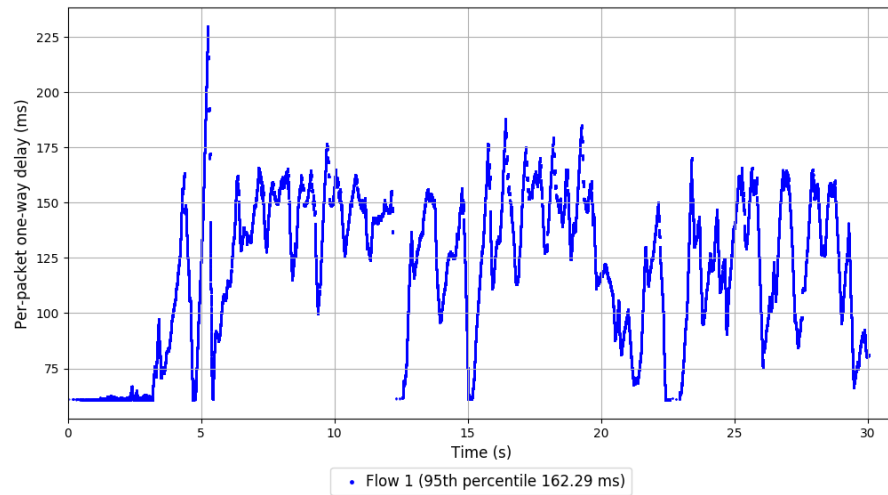
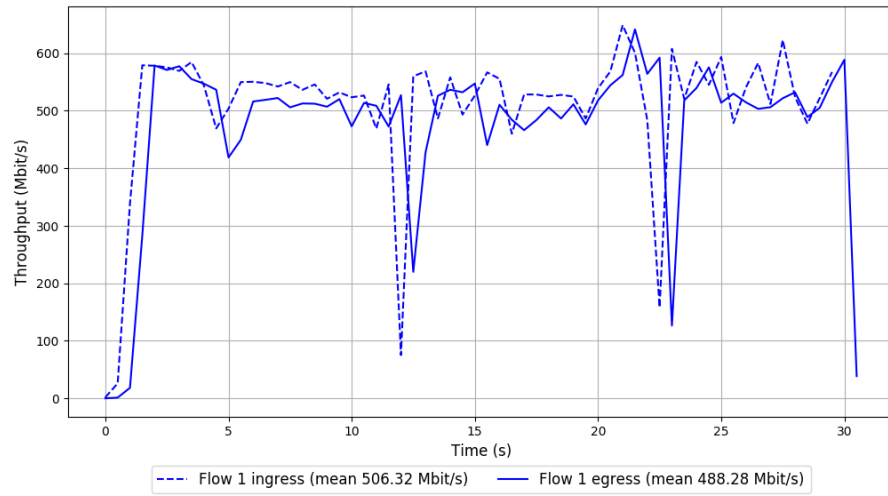


Run 9: Statistics of TCP BBR

Start at: 2018-08-11 03:44:58
End at: 2018-08-11 03:45:28
Local clock offset: -0.335 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2018-08-11 04:54:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 488.28 Mbit/s
95th percentile per-packet one-way delay: 162.294 ms
Loss rate: 3.56%
-- Flow 1:
Average throughput: 488.28 Mbit/s
95th percentile per-packet one-way delay: 162.294 ms
Loss rate: 3.56%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-08-11 04:07:39

End at: 2018-08-11 04:08:09

Local clock offset: -0.516 ms

Remote clock offset: 0.083 ms

Below is generated by plot.py at 2018-08-11 04:55:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 502.43 Mbit/s

95th percentile per-packet one-way delay: 158.184 ms

Loss rate: 2.60%

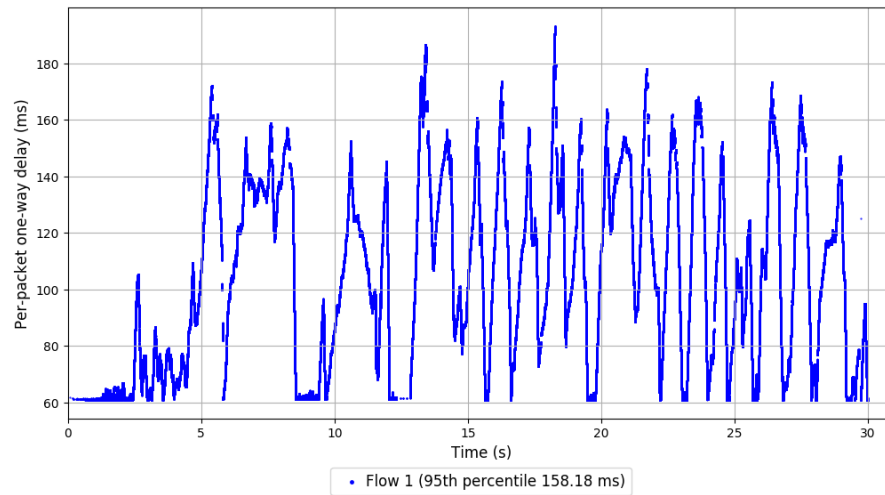
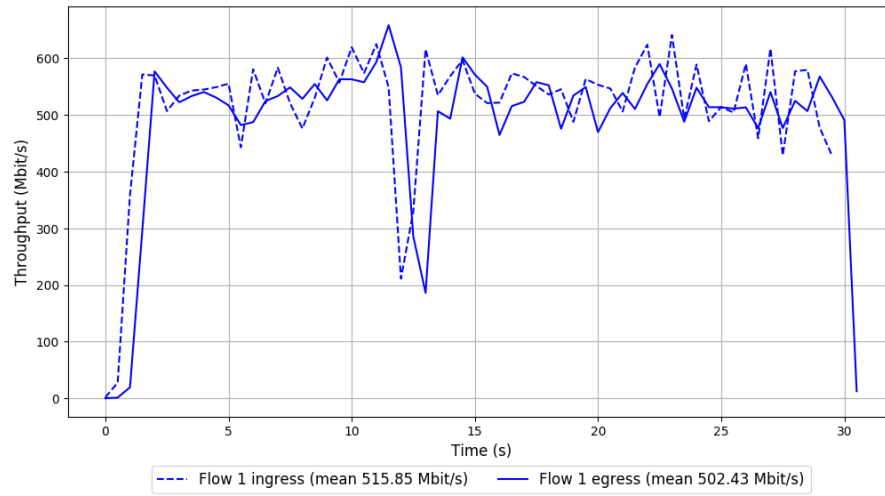
-- Flow 1:

Average throughput: 502.43 Mbit/s

95th percentile per-packet one-way delay: 158.184 ms

Loss rate: 2.60%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-08-11 00:50:06

End at: 2018-08-11 00:50:36

Local clock offset: 0.58 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-08-11 04:55:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.43 Mbit/s

95th percentile per-packet one-way delay: 65.162 ms

Loss rate: 0.00%

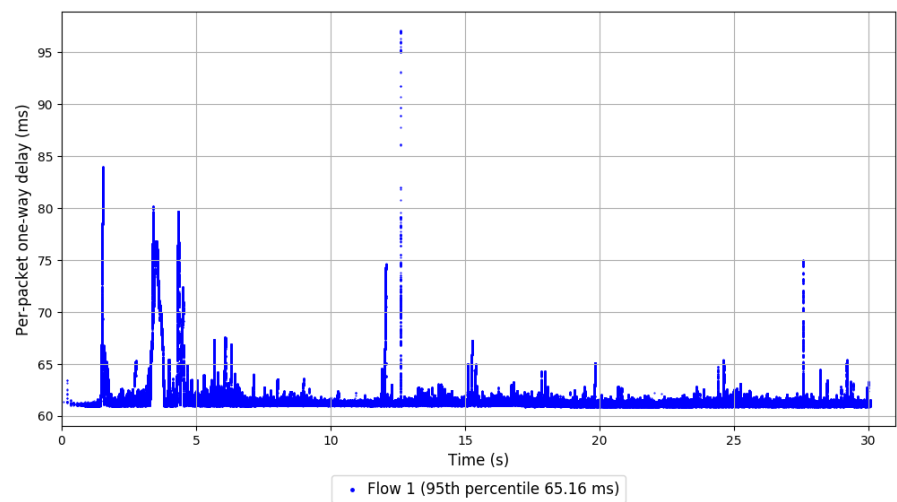
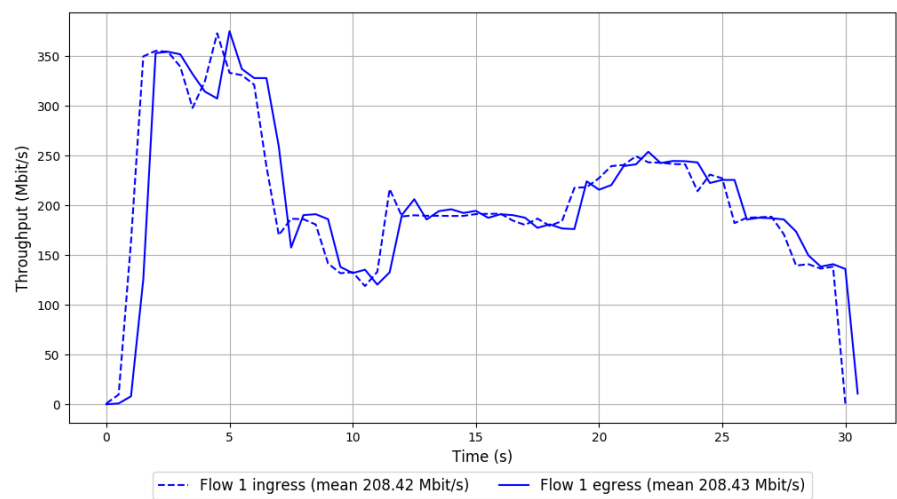
-- Flow 1:

Average throughput: 208.43 Mbit/s

95th percentile per-packet one-way delay: 65.162 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-08-11 01:13:02

End at: 2018-08-11 01:13:32

Local clock offset: 0.192 ms

Remote clock offset: -2.86 ms

Below is generated by plot.py at 2018-08-11 04:55:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.26 Mbit/s

95th percentile per-packet one-way delay: 63.800 ms

Loss rate: 0.00%

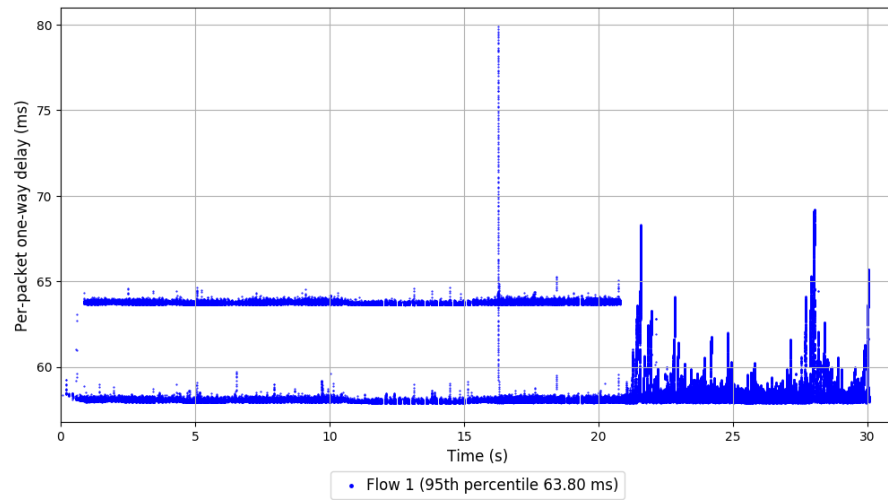
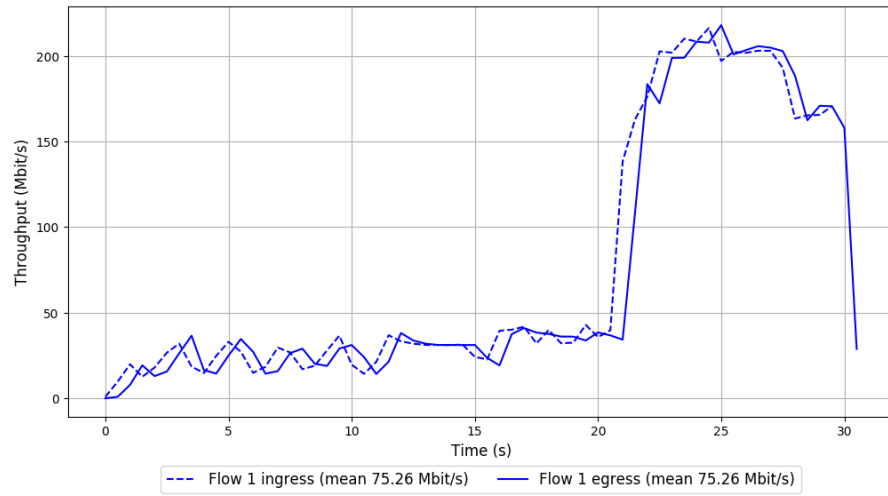
-- Flow 1:

Average throughput: 75.26 Mbit/s

95th percentile per-packet one-way delay: 63.800 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-08-11 01:35:30

End at: 2018-08-11 01:36:00

Local clock offset: 0.291 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-08-11 04:55:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 111.12 Mbit/s

95th percentile per-packet one-way delay: 66.689 ms

Loss rate: 0.00%

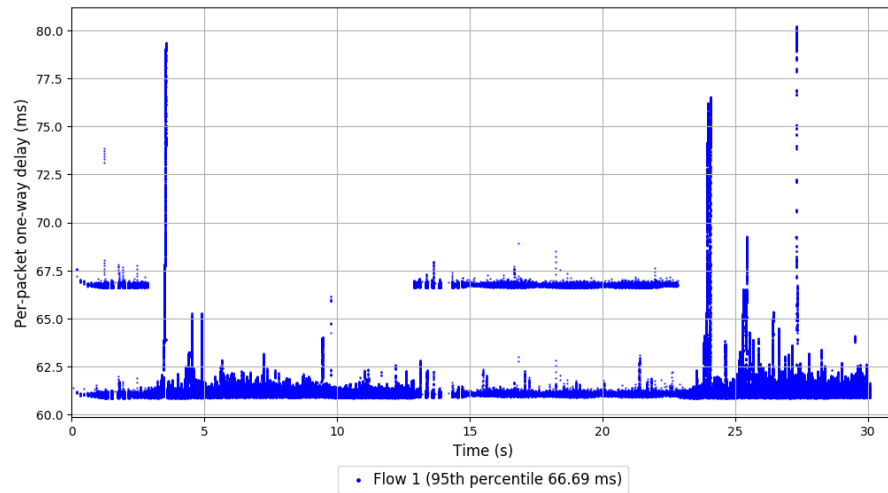
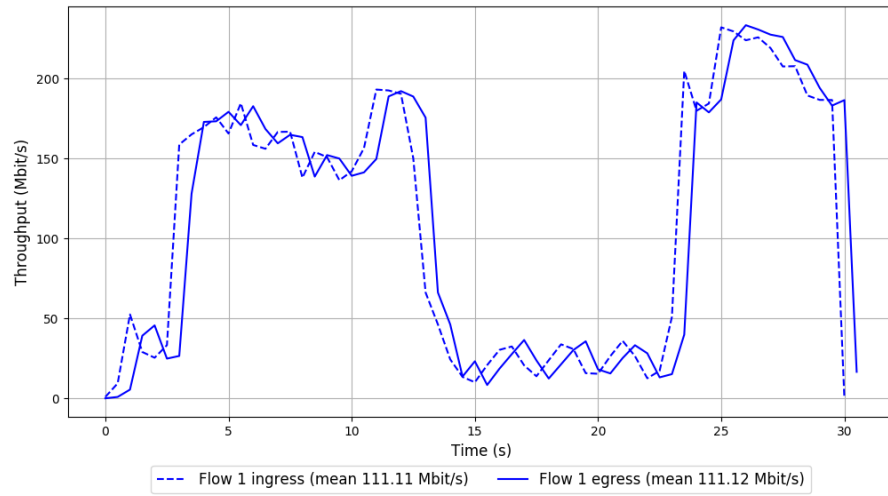
-- Flow 1:

Average throughput: 111.12 Mbit/s

95th percentile per-packet one-way delay: 66.689 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link

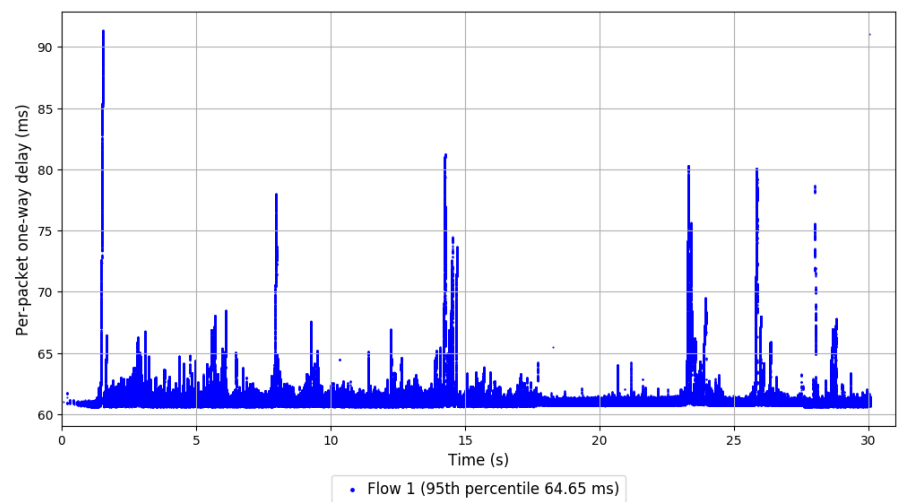
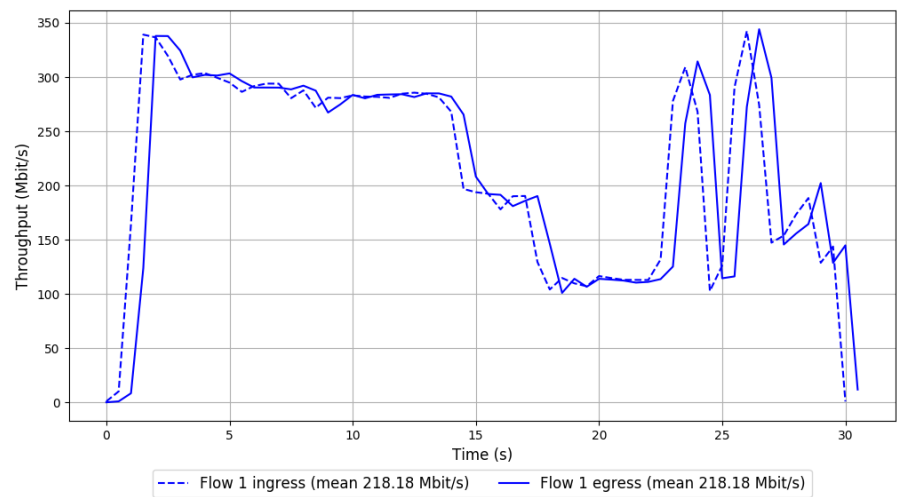


Run 4: Statistics of Copa

Start at: 2018-08-11 01:58:25
End at: 2018-08-11 01:58:56
Local clock offset: 0.377 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-08-11 04:55:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 218.18 Mbit/s
95th percentile per-packet one-way delay: 64.648 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 218.18 Mbit/s
95th percentile per-packet one-way delay: 64.648 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

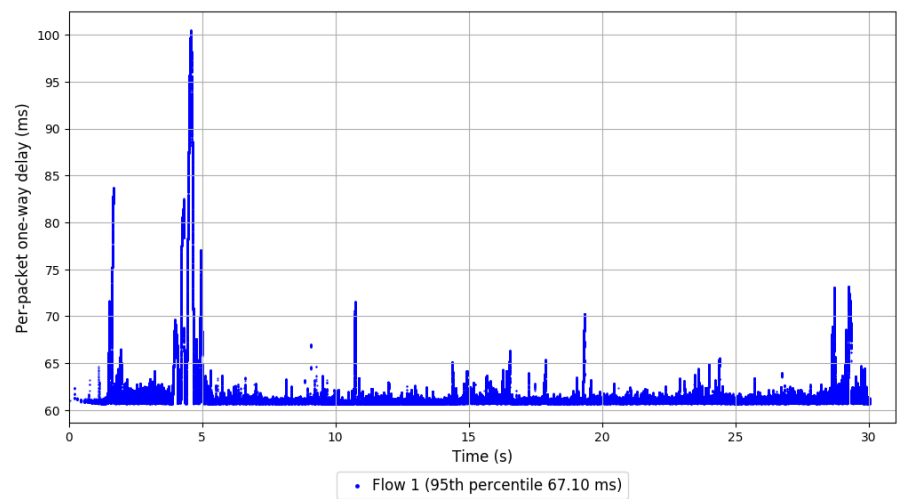
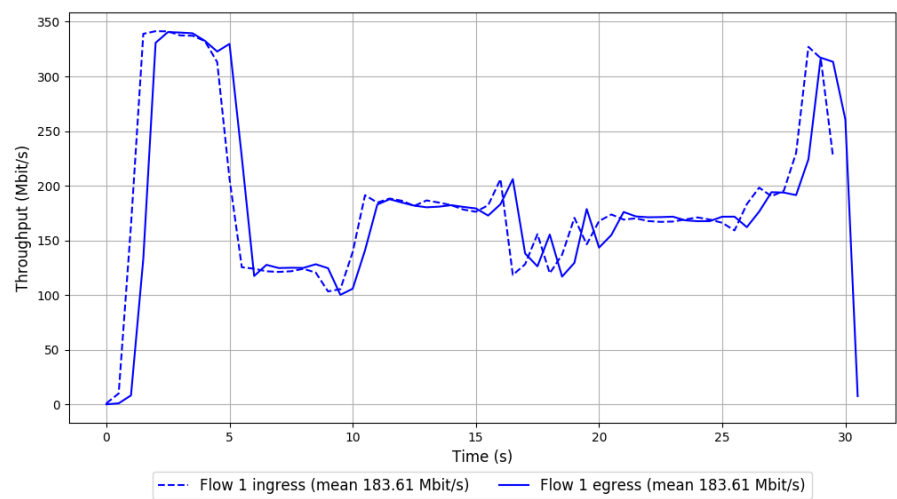


Run 5: Statistics of Copa

Start at: 2018-08-11 02:21:29
End at: 2018-08-11 02:21:59
Local clock offset: 0.563 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-08-11 04:55:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 183.61 Mbit/s
95th percentile per-packet one-way delay: 67.097 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 183.61 Mbit/s
95th percentile per-packet one-way delay: 67.097 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

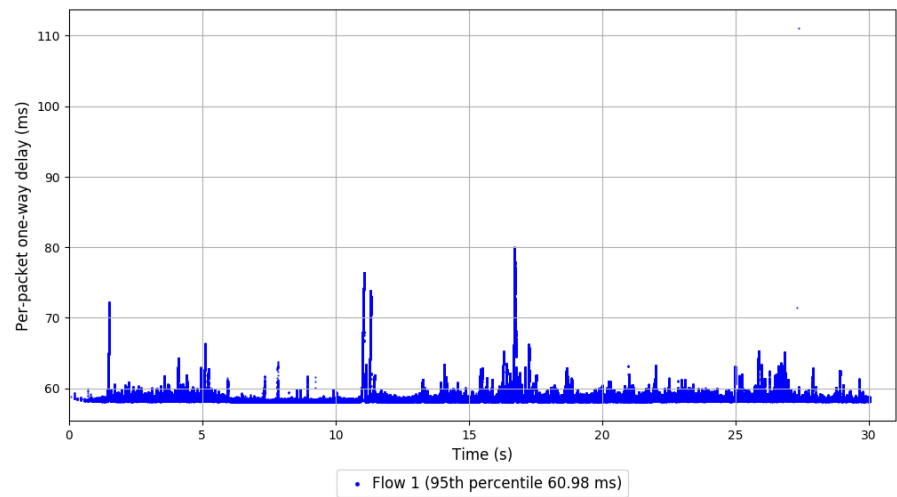
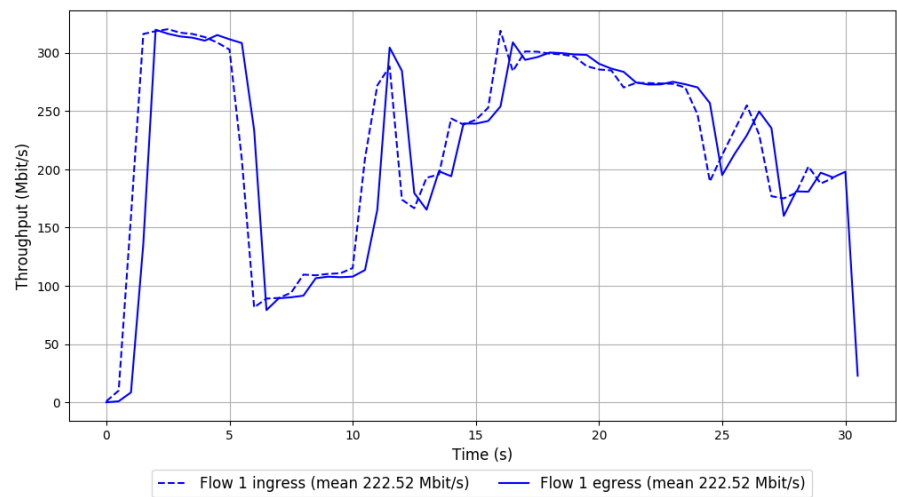


Run 6: Statistics of Copa

Start at: 2018-08-11 02:44:21
End at: 2018-08-11 02:44:51
Local clock offset: 0.727 ms
Remote clock offset: -2.731 ms

Below is generated by plot.py at 2018-08-11 04:55:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 222.52 Mbit/s
95th percentile per-packet one-way delay: 60.975 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 222.52 Mbit/s
95th percentile per-packet one-way delay: 60.975 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

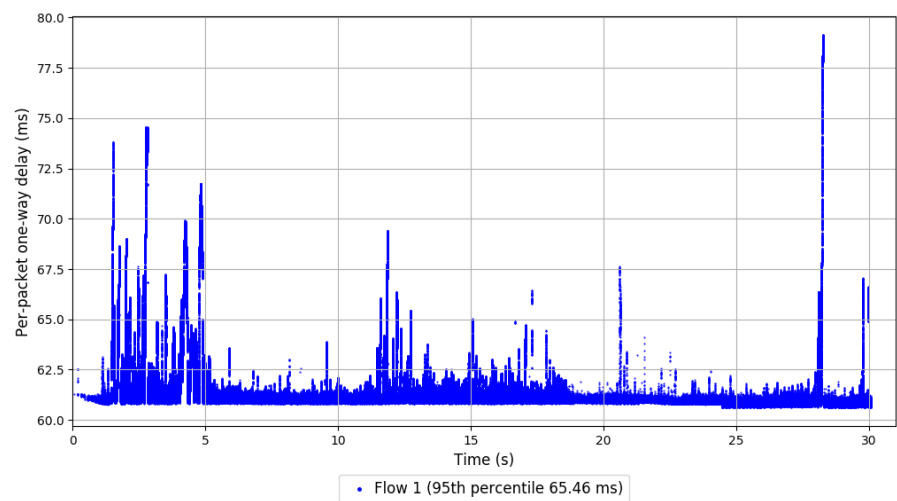
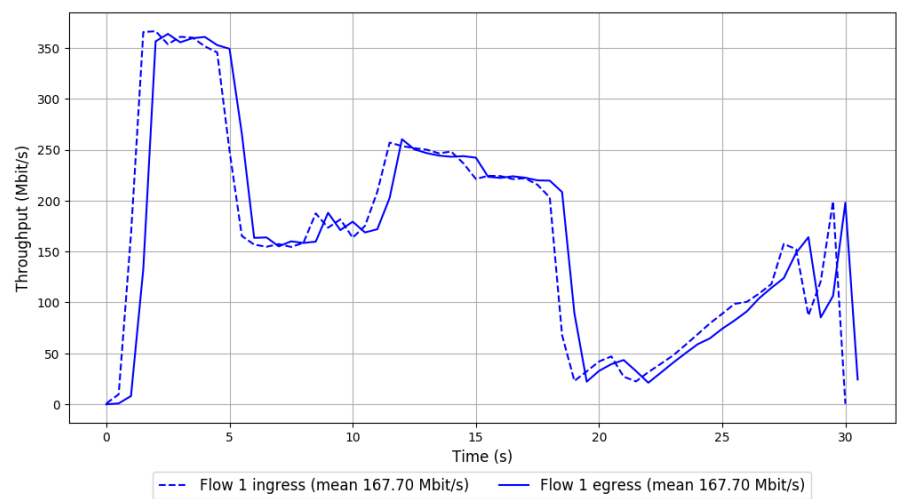


Run 7: Statistics of Copa

Start at: 2018-08-11 03:07:09
End at: 2018-08-11 03:07:39
Local clock offset: 0.841 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-08-11 04:55:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 167.70 Mbit/s
95th percentile per-packet one-way delay: 65.456 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 167.70 Mbit/s
95th percentile per-packet one-way delay: 65.456 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

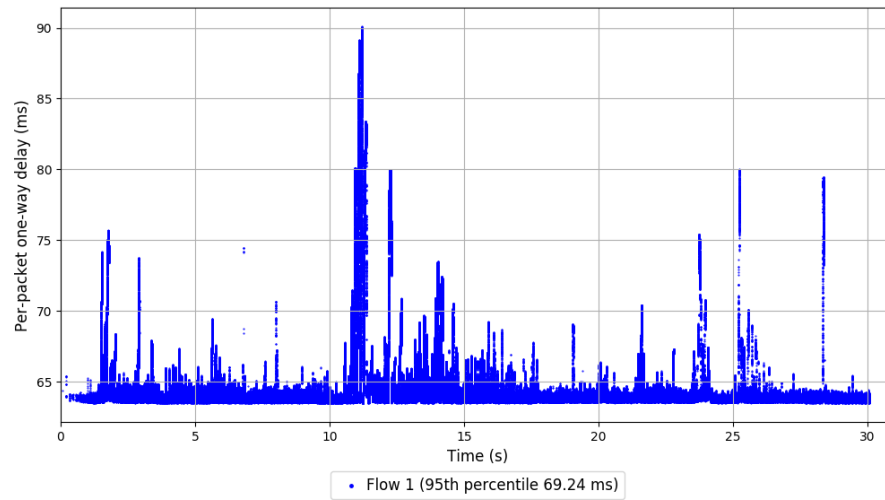
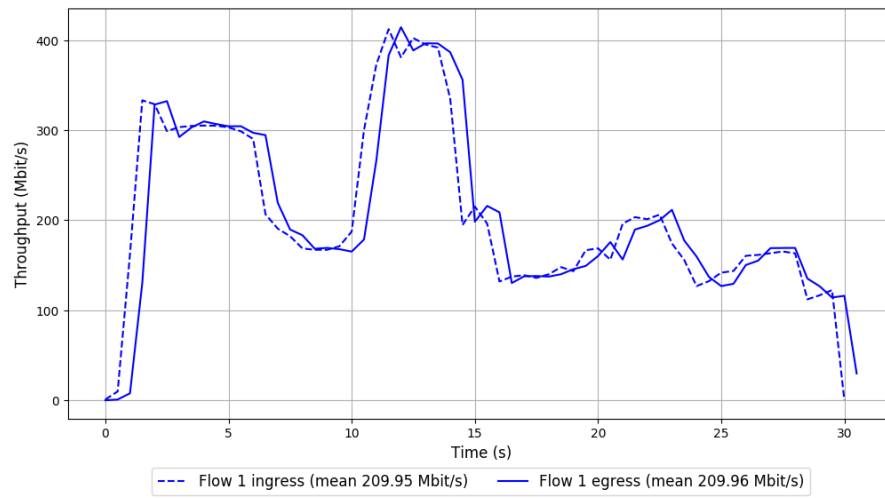


Run 8: Statistics of Copa

Start at: 2018-08-11 03:29:35
End at: 2018-08-11 03:30:05
Local clock offset: -0.028 ms
Remote clock offset: 2.798 ms

Below is generated by plot.py at 2018-08-11 04:56:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 209.96 Mbit/s
95th percentile per-packet one-way delay: 69.237 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 209.96 Mbit/s
95th percentile per-packet one-way delay: 69.237 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

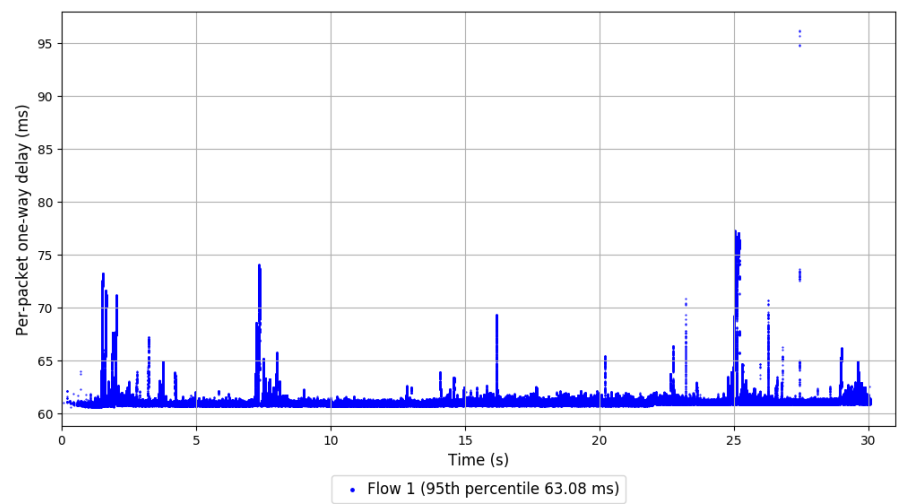
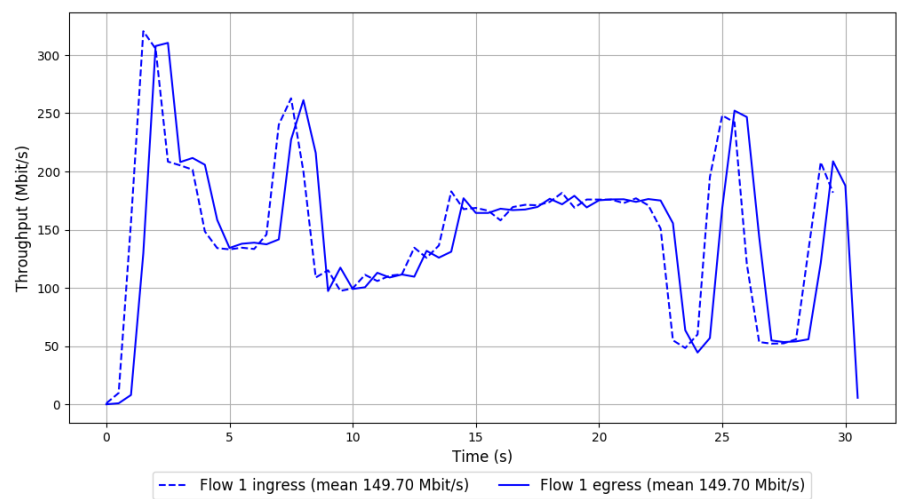


Run 9: Statistics of Copa

Start at: 2018-08-11 03:52:31
End at: 2018-08-11 03:53:01
Local clock offset: -0.333 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-08-11 04:57:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 149.70 Mbit/s
95th percentile per-packet one-way delay: 63.075 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 149.70 Mbit/s
95th percentile per-packet one-way delay: 63.075 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-08-11 04:15:03

End at: 2018-08-11 04:15:33

Local clock offset: -0.488 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-08-11 04:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 197.09 Mbit/s

95th percentile per-packet one-way delay: 66.937 ms

Loss rate: 0.00%

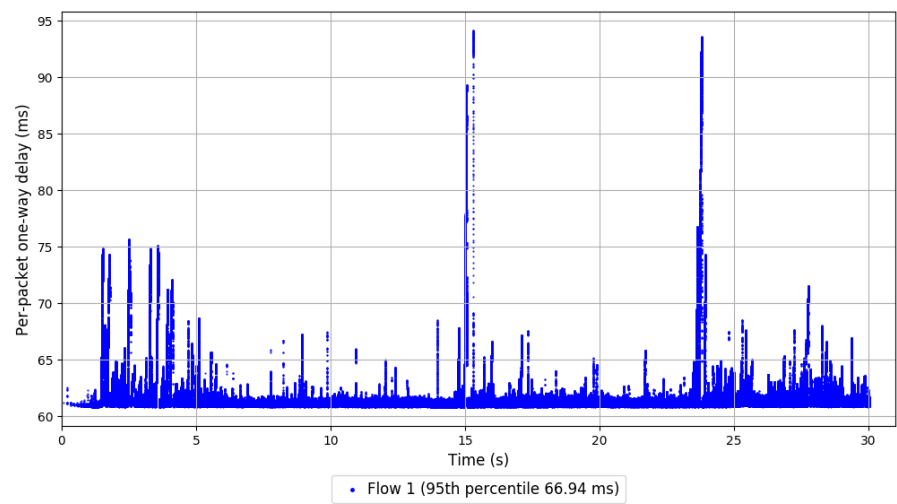
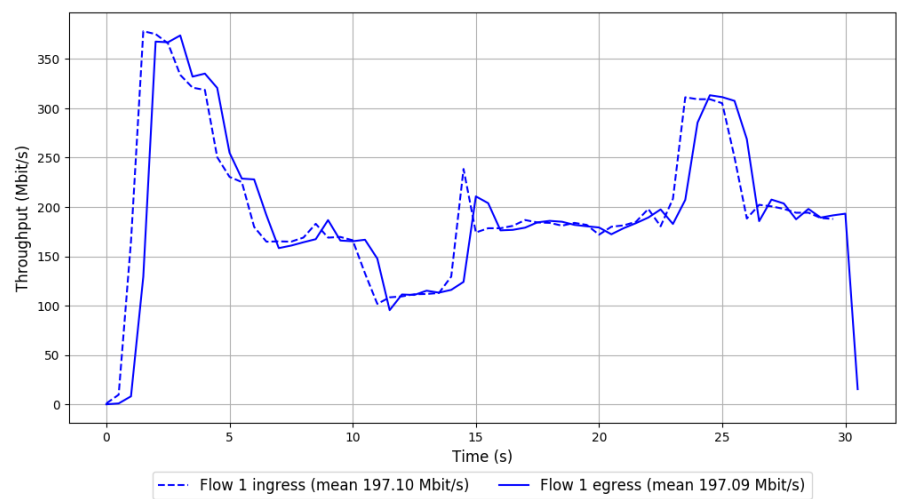
-- Flow 1:

Average throughput: 197.09 Mbit/s

95th percentile per-packet one-way delay: 66.937 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-08-11 00:45:43

End at: 2018-08-11 00:46:13

Local clock offset: 0.458 ms

Remote clock offset: 0.074 ms

Below is generated by plot.py at 2018-08-11 04:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 245.50 Mbit/s

95th percentile per-packet one-way delay: 62.851 ms

Loss rate: 0.00%

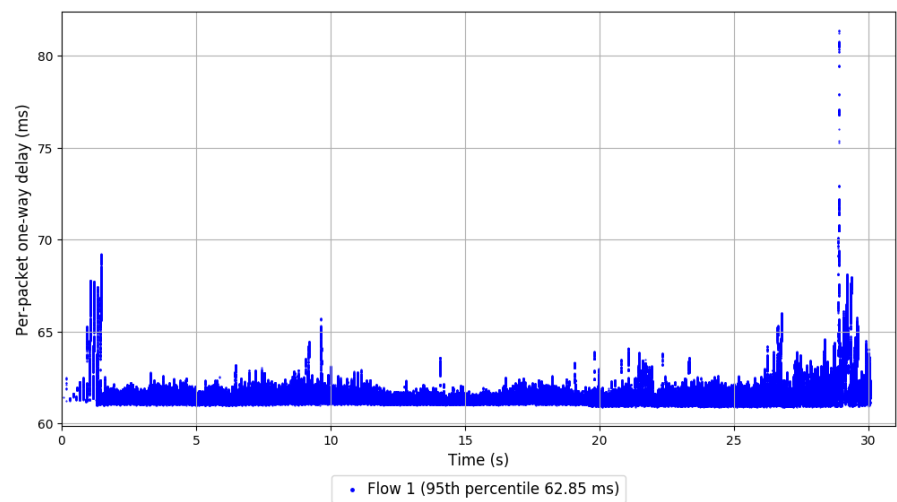
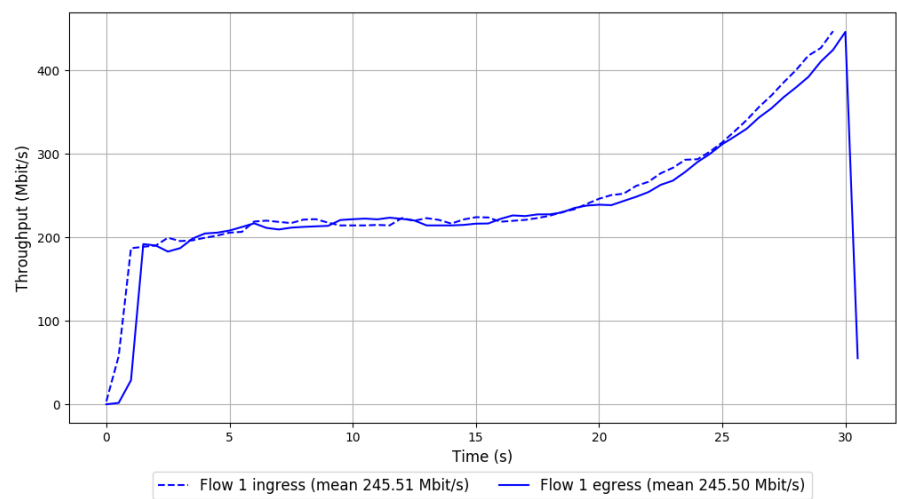
-- Flow 1:

Average throughput: 245.50 Mbit/s

95th percentile per-packet one-way delay: 62.851 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

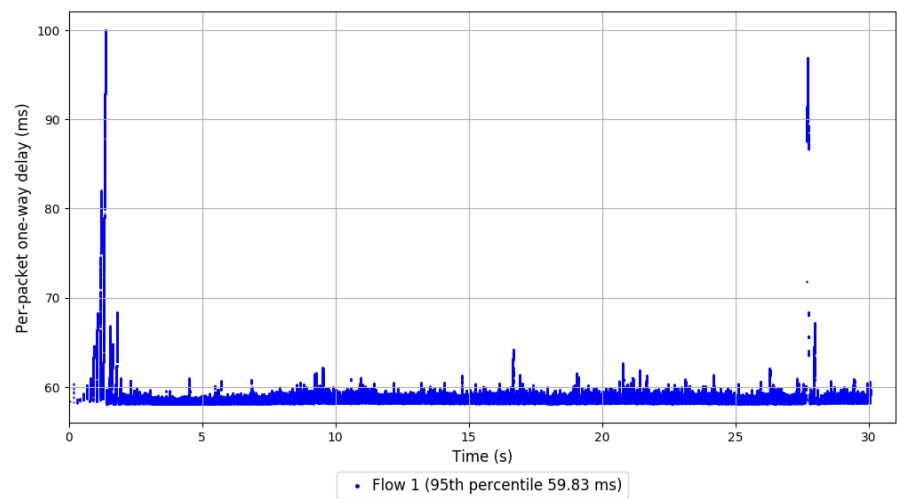
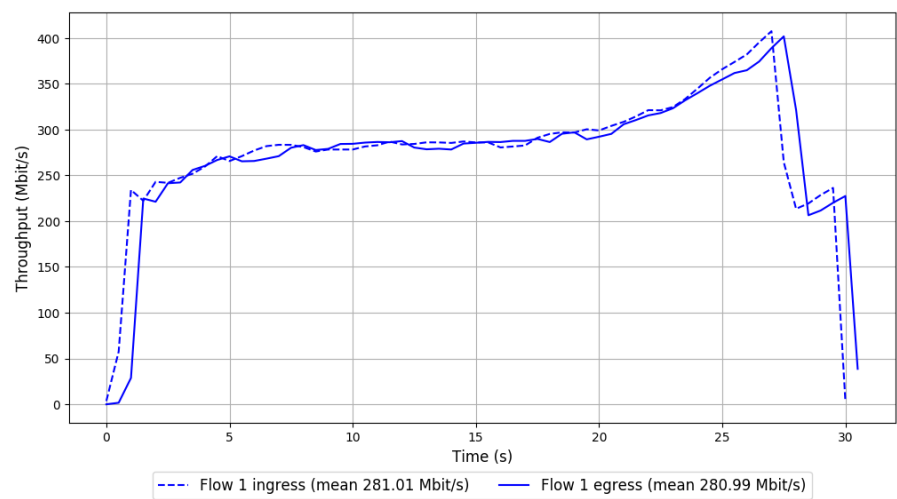


Run 2: Statistics of TCP Cubic

Start at: 2018-08-11 01:08:40
End at: 2018-08-11 01:09:10
Local clock offset: 0.185 ms
Remote clock offset: -2.785 ms

Below is generated by plot.py at 2018-08-11 04:59:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 280.99 Mbit/s
95th percentile per-packet one-way delay: 59.826 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 280.99 Mbit/s
95th percentile per-packet one-way delay: 59.826 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

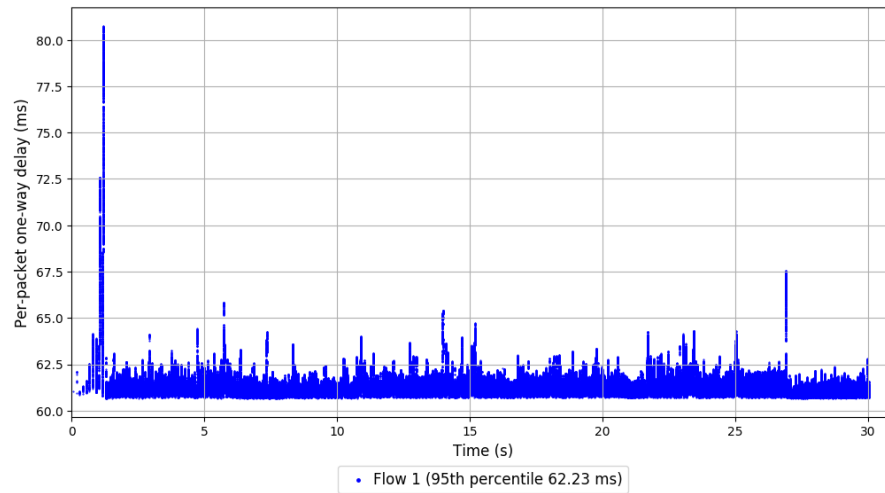
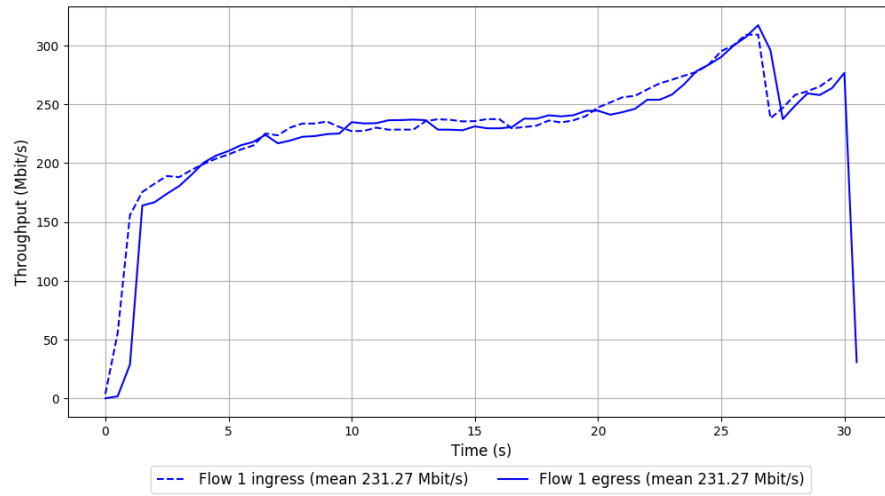


Run 3: Statistics of TCP Cubic

Start at: 2018-08-11 01:31:25
End at: 2018-08-11 01:31:55
Local clock offset: 0.166 ms
Remote clock offset: -0.211 ms

Below is generated by plot.py at 2018-08-11 04:59:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 231.27 Mbit/s
95th percentile per-packet one-way delay: 62.235 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 231.27 Mbit/s
95th percentile per-packet one-way delay: 62.235 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link

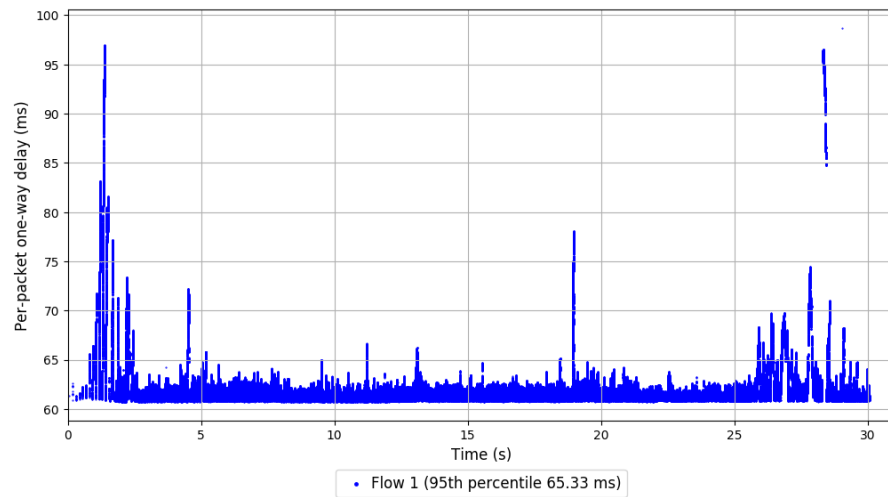
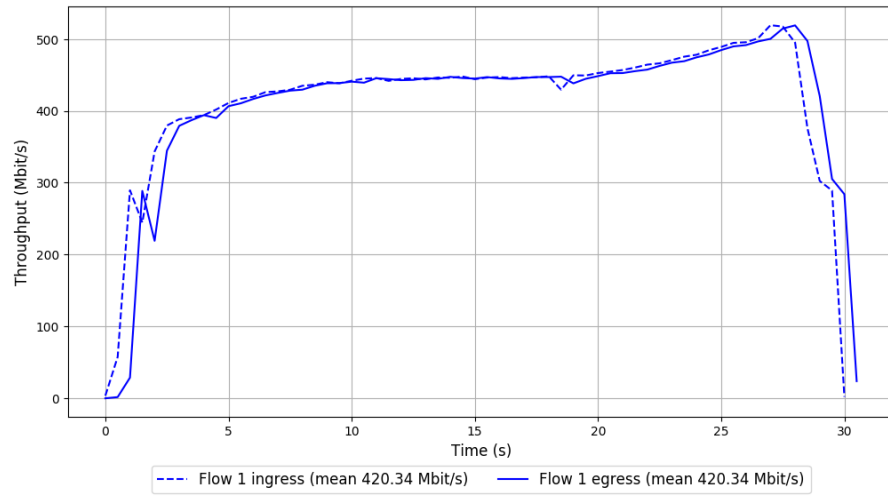


Run 4: Statistics of TCP Cubic

Start at: 2018-08-11 01:53:51
End at: 2018-08-11 01:54:21
Local clock offset: 0.341 ms
Remote clock offset: -0.171 ms

Below is generated by plot.py at 2018-08-11 05:01:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 420.34 Mbit/s
95th percentile per-packet one-way delay: 65.334 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 420.34 Mbit/s
95th percentile per-packet one-way delay: 65.334 ms
Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link

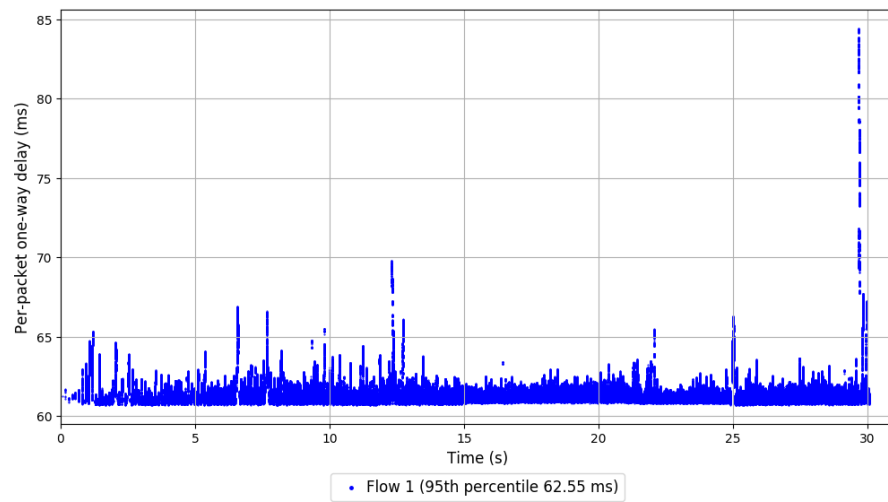
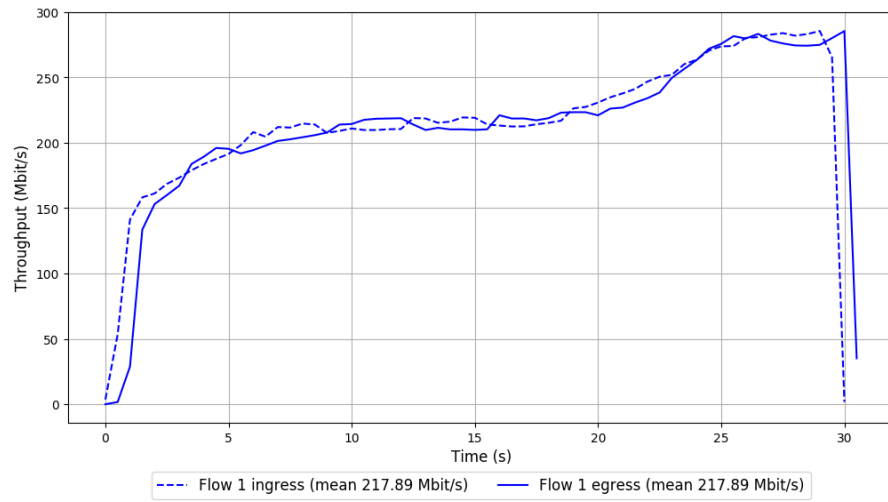


Run 5: Statistics of TCP Cubic

Start at: 2018-08-11 02:17:08
End at: 2018-08-11 02:17:38
Local clock offset: 0.509 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2018-08-11 05:01:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.89 Mbit/s
95th percentile per-packet one-way delay: 62.549 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 217.89 Mbit/s
95th percentile per-packet one-way delay: 62.549 ms
Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-08-11 02:39:57

End at: 2018-08-11 02:40:27

Local clock offset: 0.666 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-08-11 05:01:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 173.60 Mbit/s

95th percentile per-packet one-way delay: 62.124 ms

Loss rate: 0.00%

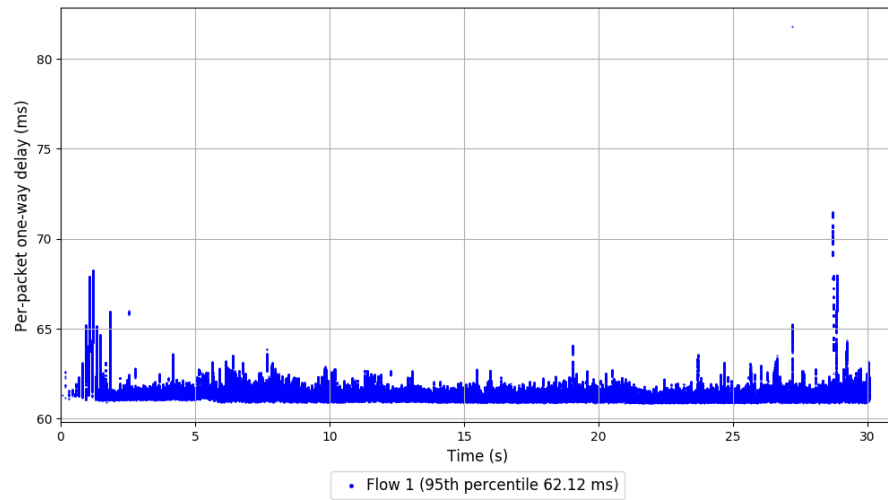
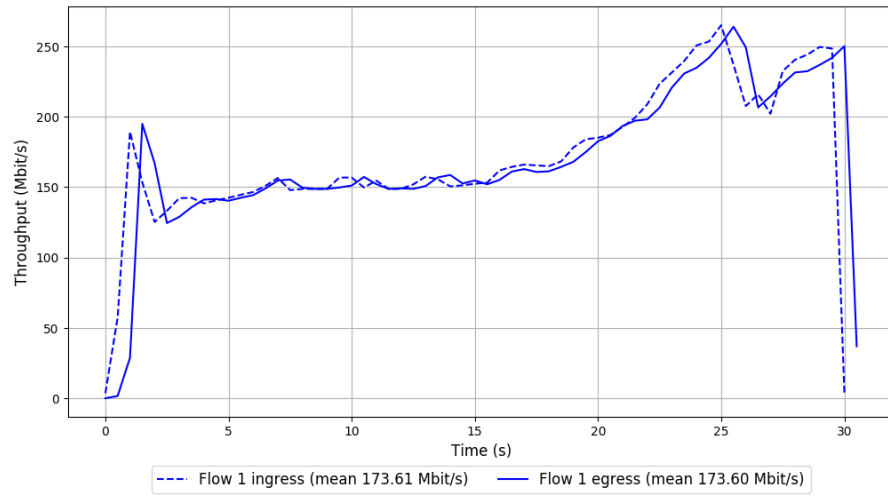
-- Flow 1:

Average throughput: 173.60 Mbit/s

95th percentile per-packet one-way delay: 62.124 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link

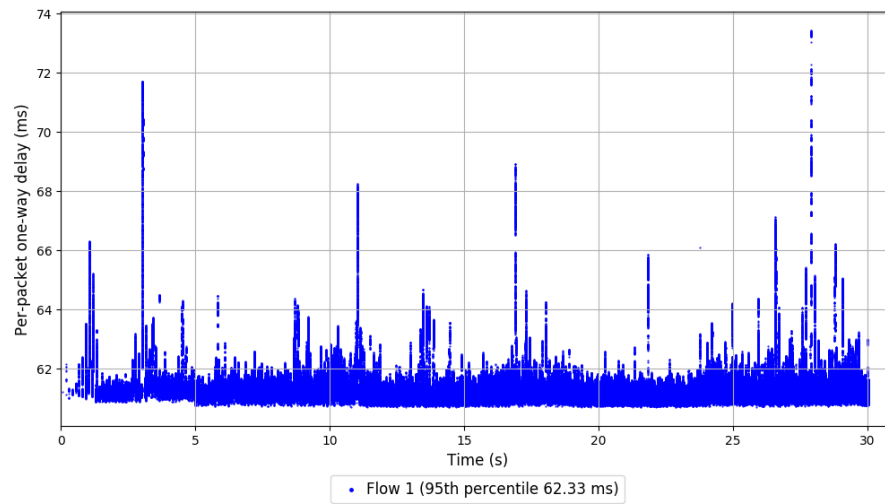
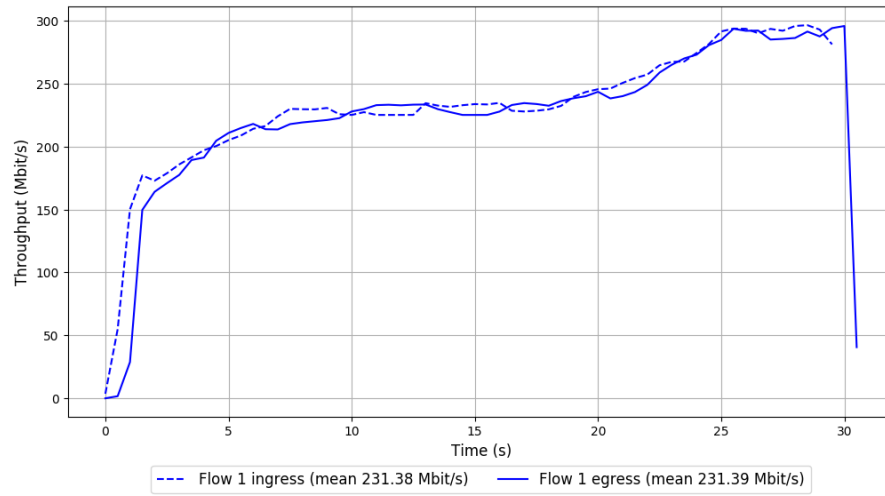


Run 7: Statistics of TCP Cubic

Start at: 2018-08-11 03:02:48
End at: 2018-08-11 03:03:18
Local clock offset: 0.863 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-08-11 05:01:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 231.39 Mbit/s
95th percentile per-packet one-way delay: 62.331 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 231.39 Mbit/s
95th percentile per-packet one-way delay: 62.331 ms
Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-08-11 03:25:15

End at: 2018-08-11 03:25:45

Local clock offset: -0.019 ms

Remote clock offset: 0.057 ms

Below is generated by plot.py at 2018-08-11 05:01:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 230.53 Mbit/s

95th percentile per-packet one-way delay: 63.098 ms

Loss rate: 0.00%

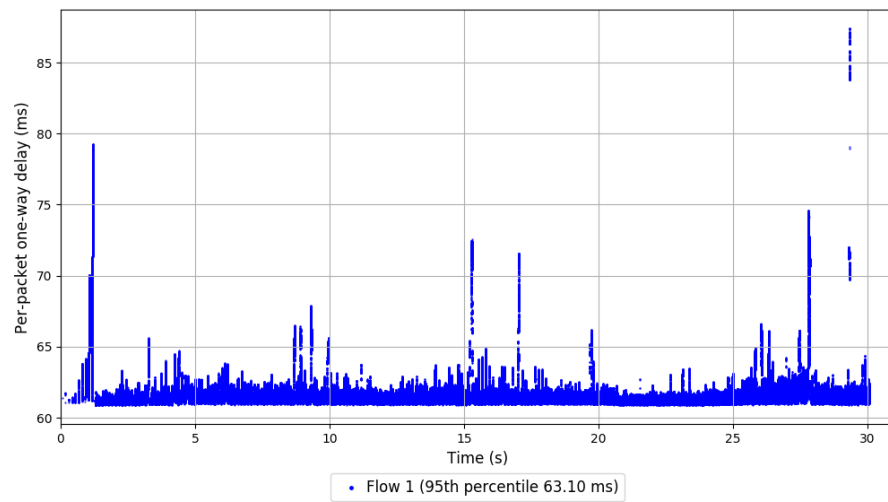
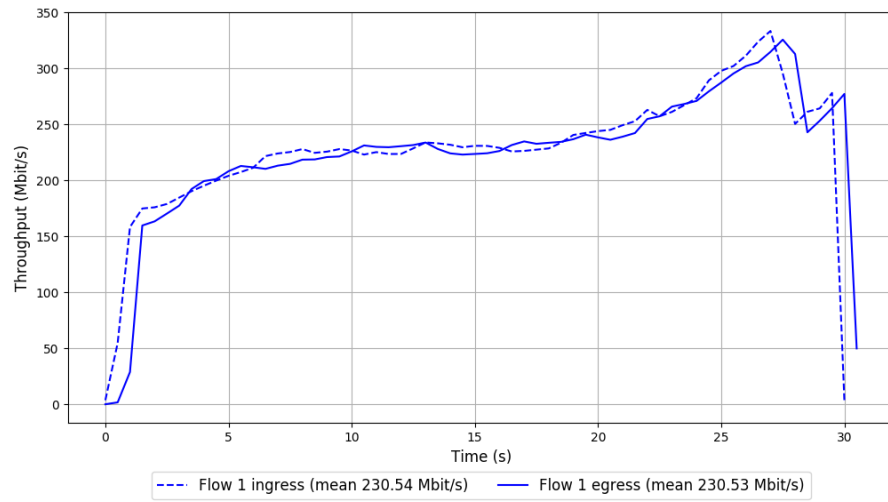
-- Flow 1:

Average throughput: 230.53 Mbit/s

95th percentile per-packet one-way delay: 63.098 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link

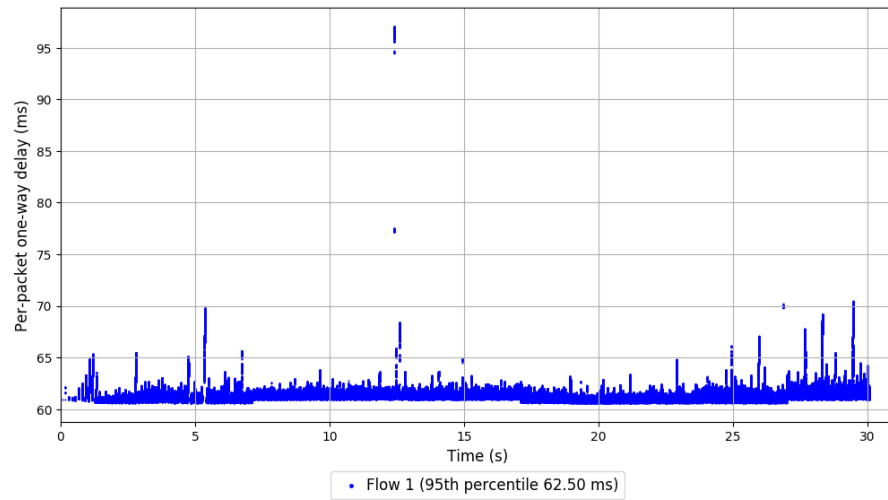
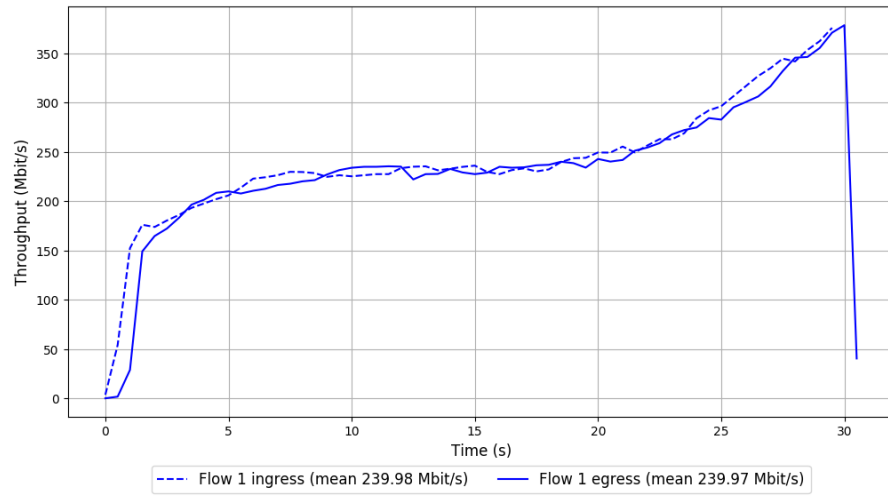


Run 9: Statistics of TCP Cubic

Start at: 2018-08-11 03:48:06
End at: 2018-08-11 03:48:36
Local clock offset: -0.25 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2018-08-11 05:02:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 239.97 Mbit/s
95th percentile per-packet one-way delay: 62.497 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 239.97 Mbit/s
95th percentile per-packet one-way delay: 62.497 ms
Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-11 04:10:50

End at: 2018-08-11 04:11:20

Local clock offset: -0.502 ms

Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-08-11 05:02:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.96 Mbit/s

95th percentile per-packet one-way delay: 64.428 ms

Loss rate: 0.01%

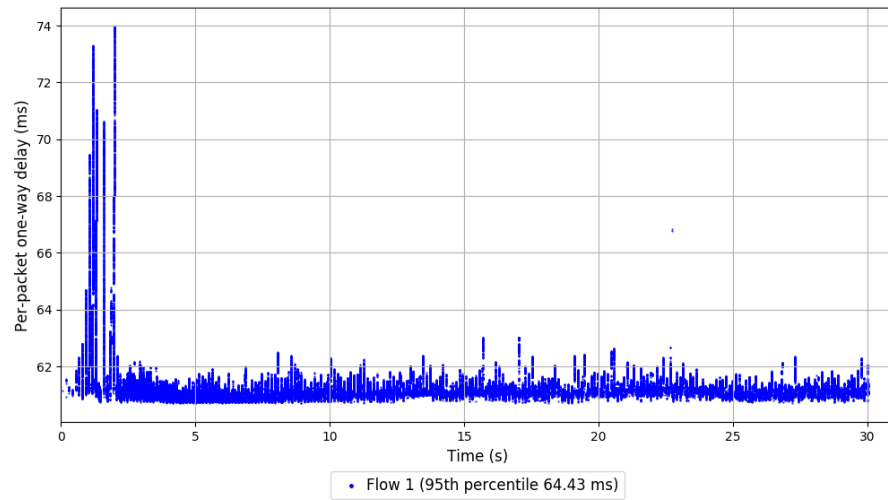
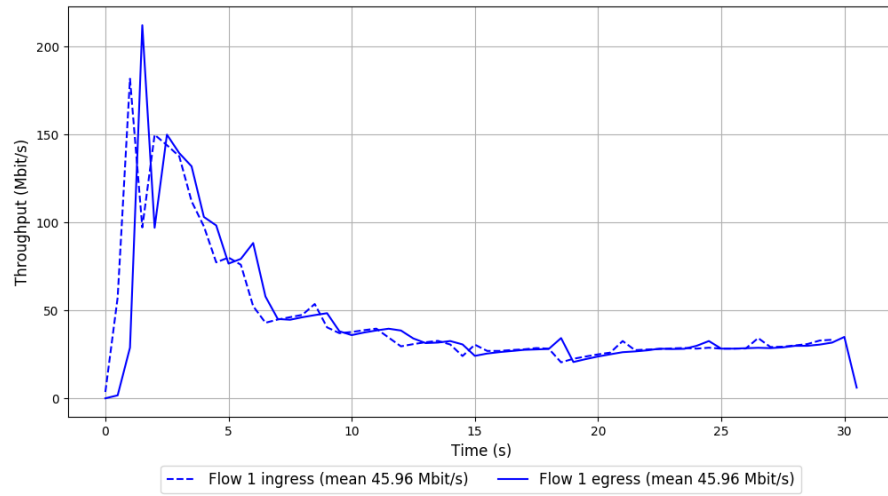
-- Flow 1:

Average throughput: 45.96 Mbit/s

95th percentile per-packet one-way delay: 64.428 ms

Loss rate: 0.01%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-08-11 00:47:01

End at: 2018-08-11 00:47:31

Local clock offset: 0.524 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2018-08-11 05:16:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 786.42 Mbit/s

95th percentile per-packet one-way delay: 137.477 ms

Loss rate: 4.42%

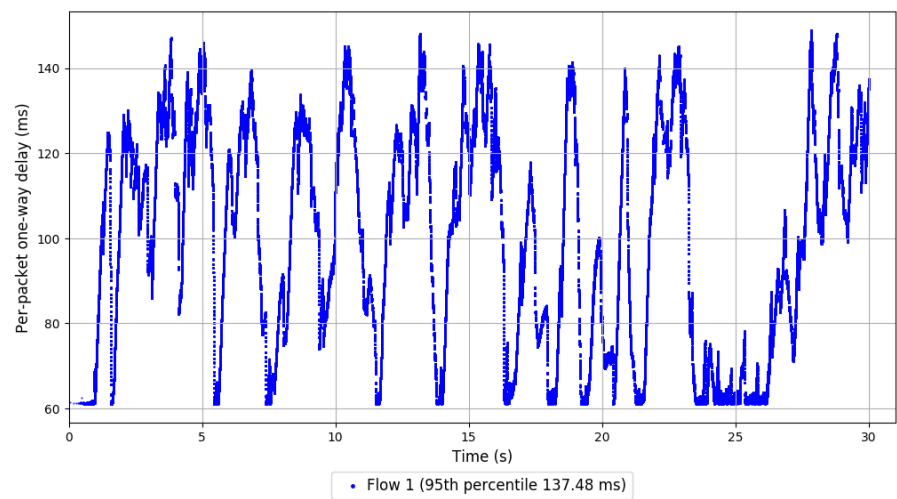
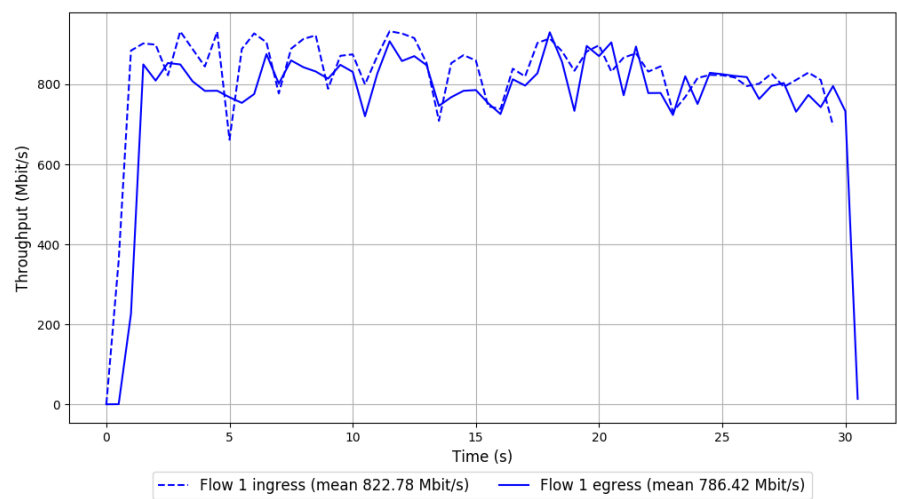
-- Flow 1:

Average throughput: 786.42 Mbit/s

95th percentile per-packet one-way delay: 137.477 ms

Loss rate: 4.42%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-08-11 01:10:00

End at: 2018-08-11 01:10:30

Local clock offset: 0.186 ms

Remote clock offset: 0.141 ms

Below is generated by plot.py at 2018-08-11 05:16:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 776.14 Mbit/s

95th percentile per-packet one-way delay: 139.366 ms

Loss rate: 5.45%

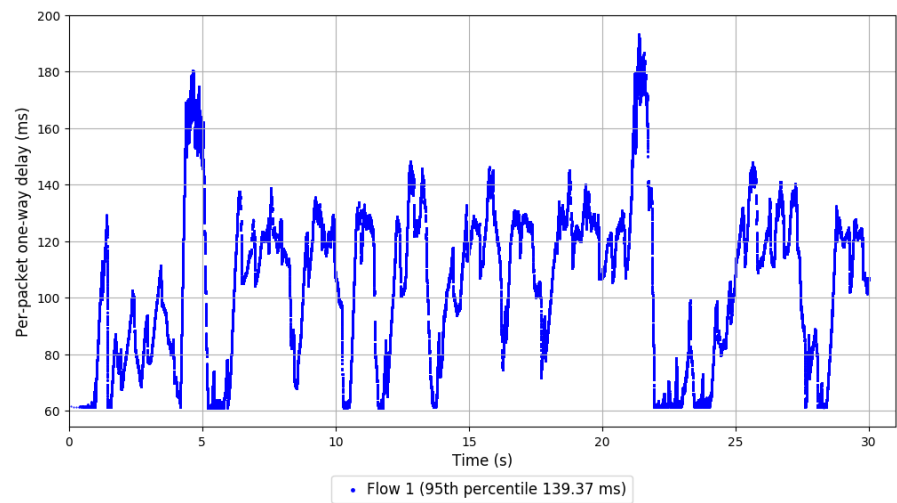
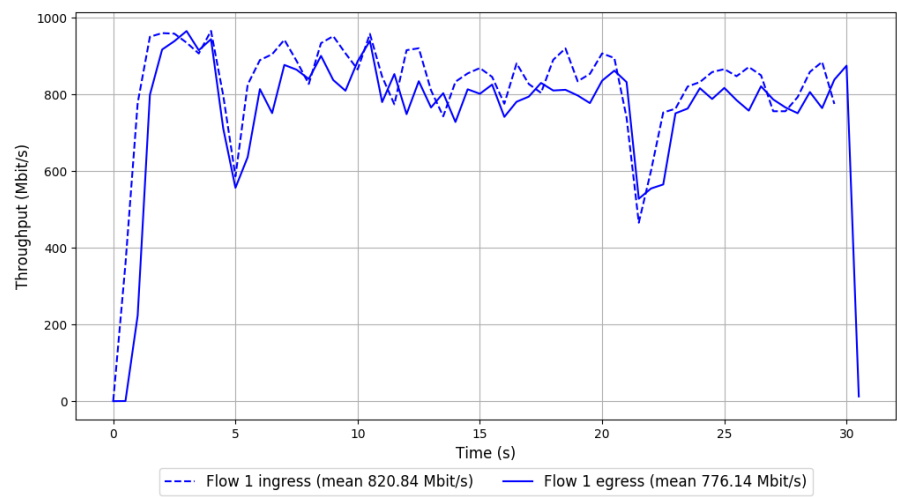
-- Flow 1:

Average throughput: 776.14 Mbit/s

95th percentile per-packet one-way delay: 139.366 ms

Loss rate: 5.45%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-08-11 01:32:42

End at: 2018-08-11 01:33:12

Local clock offset: 0.256 ms

Remote clock offset: 0.071 ms

Below is generated by plot.py at 2018-08-11 05:17:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 882.37 Mbit/s

95th percentile per-packet one-way delay: 139.238 ms

Loss rate: 2.53%

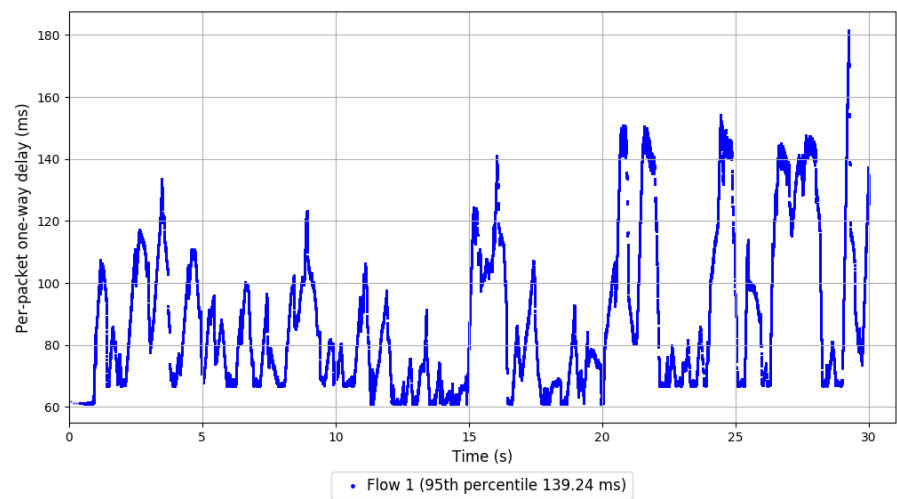
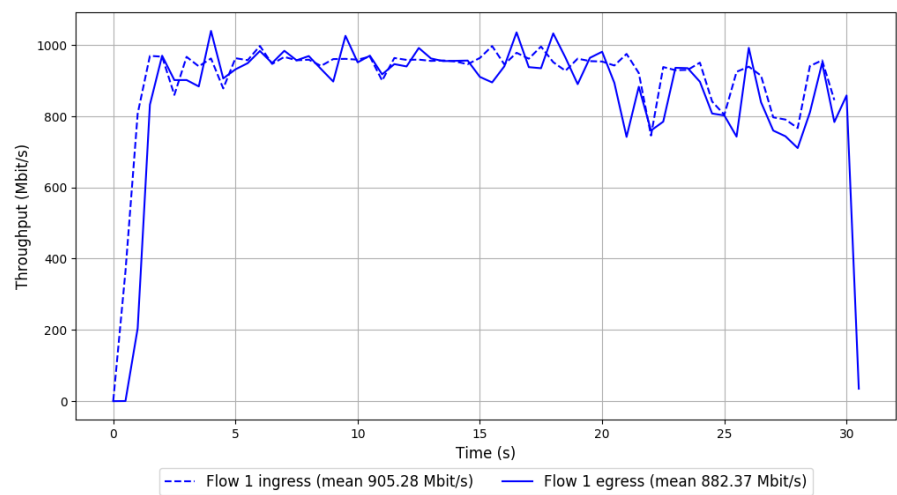
-- Flow 1:

Average throughput: 882.37 Mbit/s

95th percentile per-packet one-way delay: 139.238 ms

Loss rate: 2.53%

Run 3: Report of FillP — Data Link

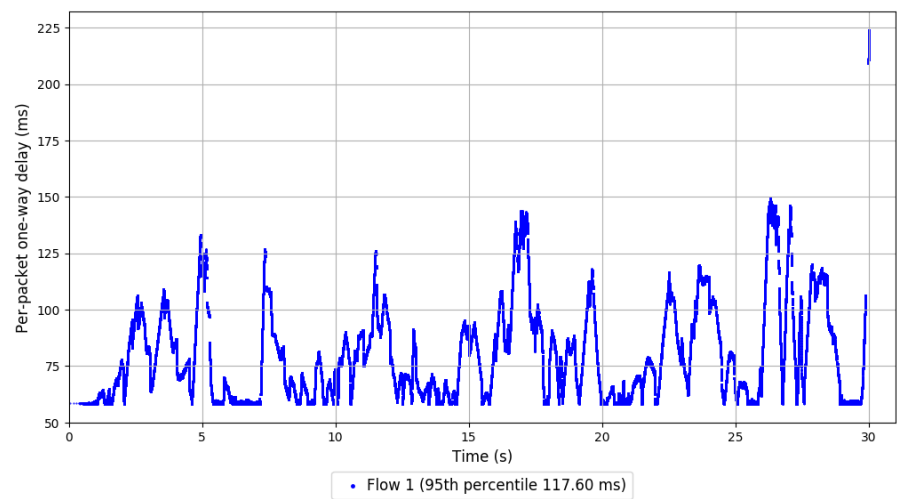
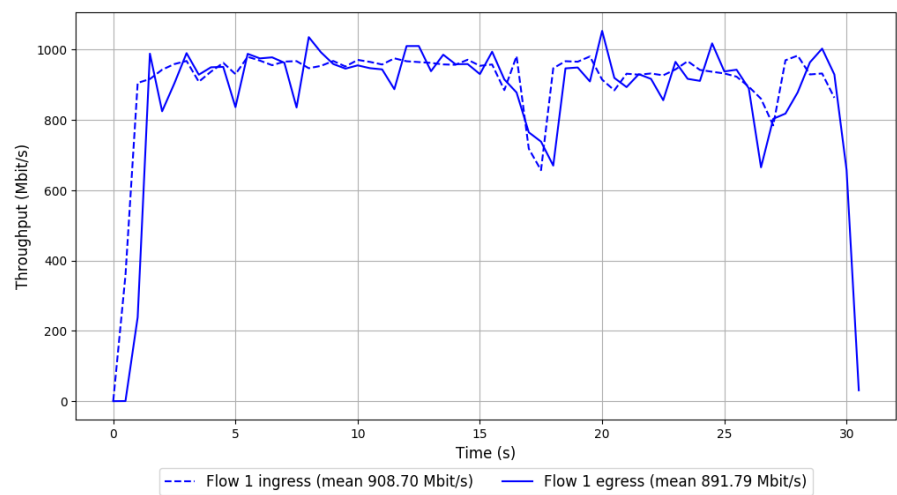


Run 4: Statistics of FillP

Start at: 2018-08-11 01:55:17
End at: 2018-08-11 01:55:47
Local clock offset: 0.369 ms
Remote clock offset: -2.777 ms

Below is generated by plot.py at 2018-08-11 05:18:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 891.79 Mbit/s
95th percentile per-packet one-way delay: 117.602 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 891.79 Mbit/s
95th percentile per-packet one-way delay: 117.602 ms
Loss rate: 1.86%

Run 4: Report of FillP — Data Link

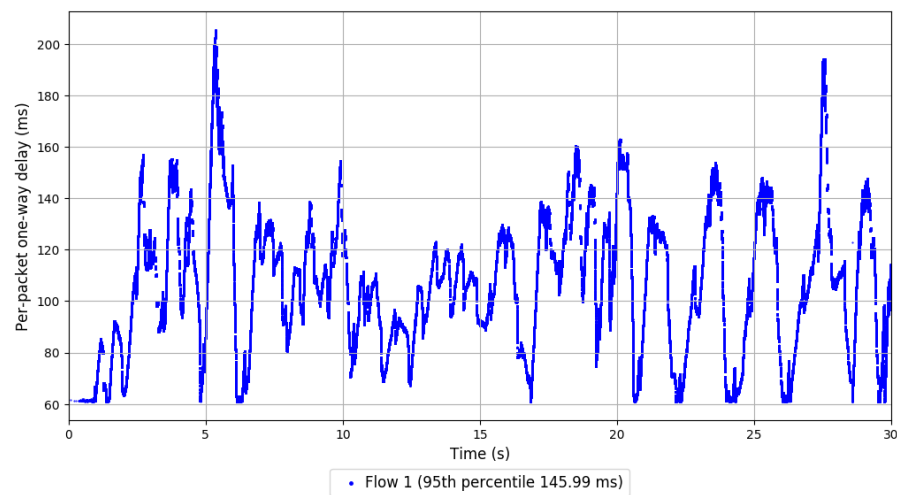
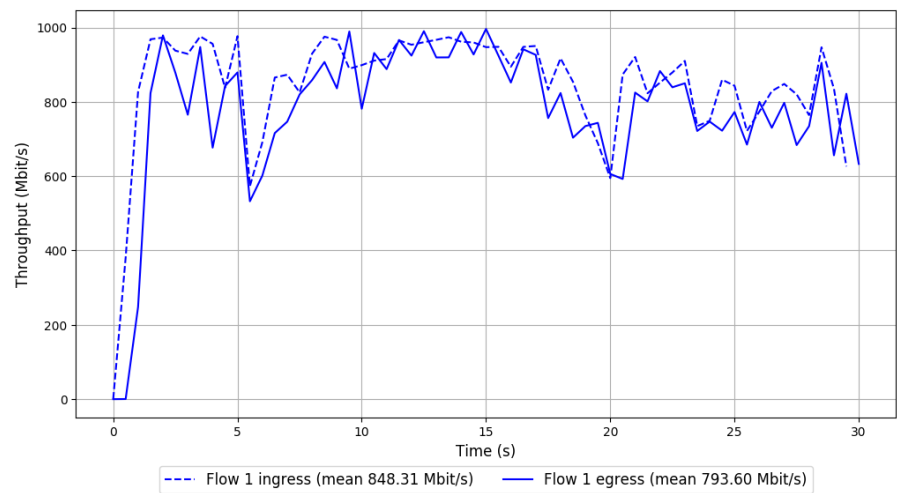


Run 5: Statistics of FillP

Start at: 2018-08-11 02:18:25
End at: 2018-08-11 02:18:55
Local clock offset: 0.515 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-08-11 05:18:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 793.60 Mbit/s
95th percentile per-packet one-way delay: 145.987 ms
Loss rate: 6.45%
-- Flow 1:
Average throughput: 793.60 Mbit/s
95th percentile per-packet one-way delay: 145.987 ms
Loss rate: 6.45%

Run 5: Report of FillP — Data Link

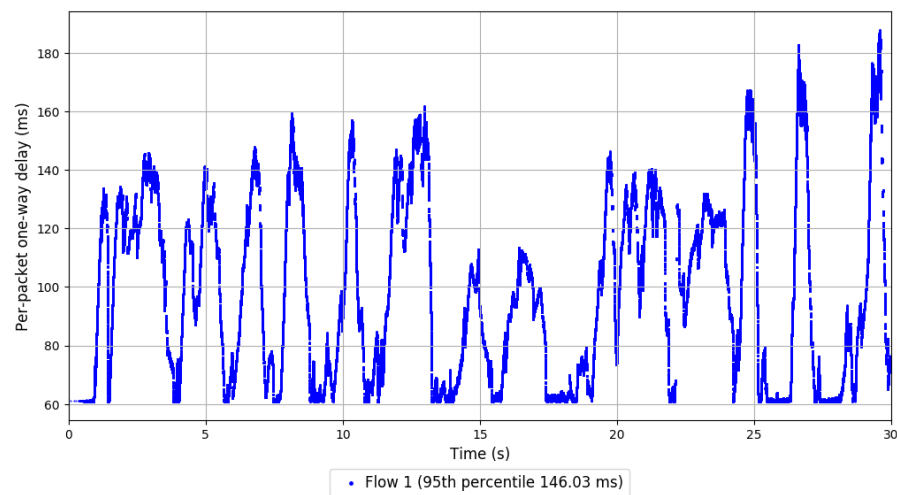
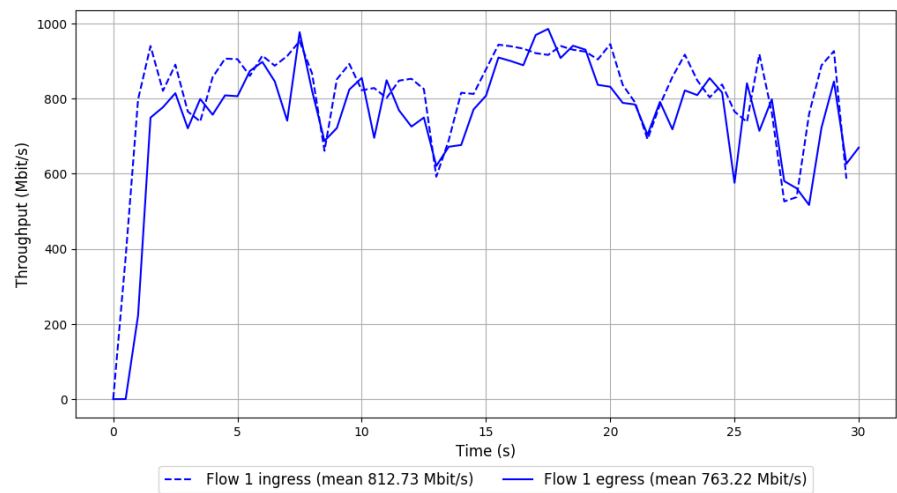


Run 6: Statistics of FillP

Start at: 2018-08-11 02:41:18
End at: 2018-08-11 02:41:48
Local clock offset: 0.735 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-08-11 05:18:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 763.22 Mbit/s
95th percentile per-packet one-way delay: 146.030 ms
Loss rate: 6.09%
-- Flow 1:
Average throughput: 763.22 Mbit/s
95th percentile per-packet one-way delay: 146.030 ms
Loss rate: 6.09%

Run 6: Report of FillP — Data Link

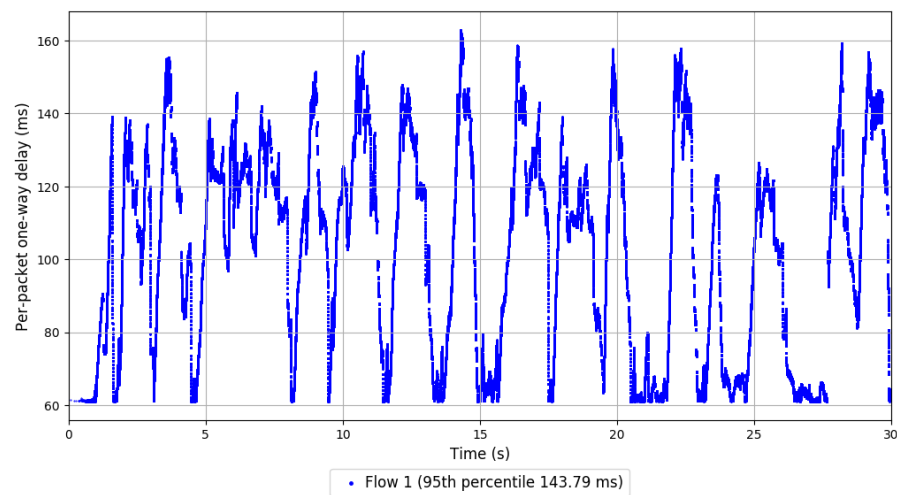
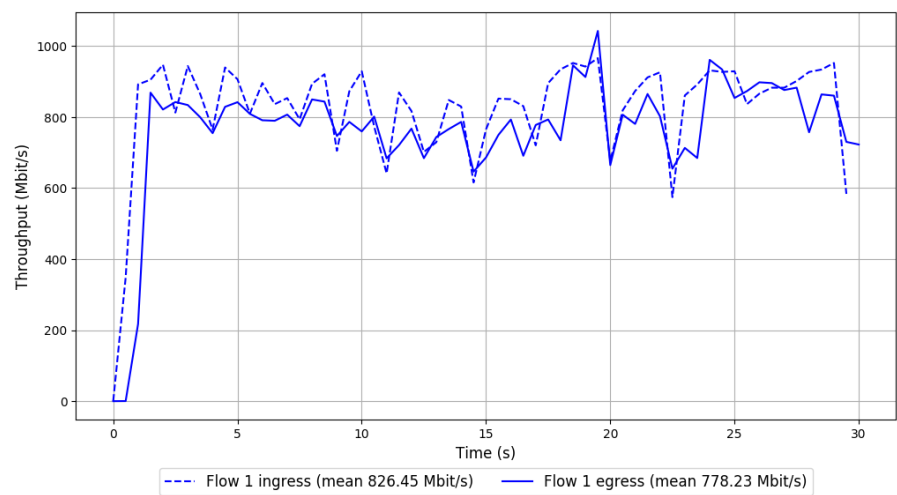


Run 7: Statistics of FillP

Start at: 2018-08-11 03:04:05
End at: 2018-08-11 03:04:35
Local clock offset: 0.853 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-08-11 05:18:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 778.23 Mbit/s
95th percentile per-packet one-way delay: 143.788 ms
Loss rate: 5.83%
-- Flow 1:
Average throughput: 778.23 Mbit/s
95th percentile per-packet one-way delay: 143.788 ms
Loss rate: 5.83%

Run 7: Report of FillP — Data Link

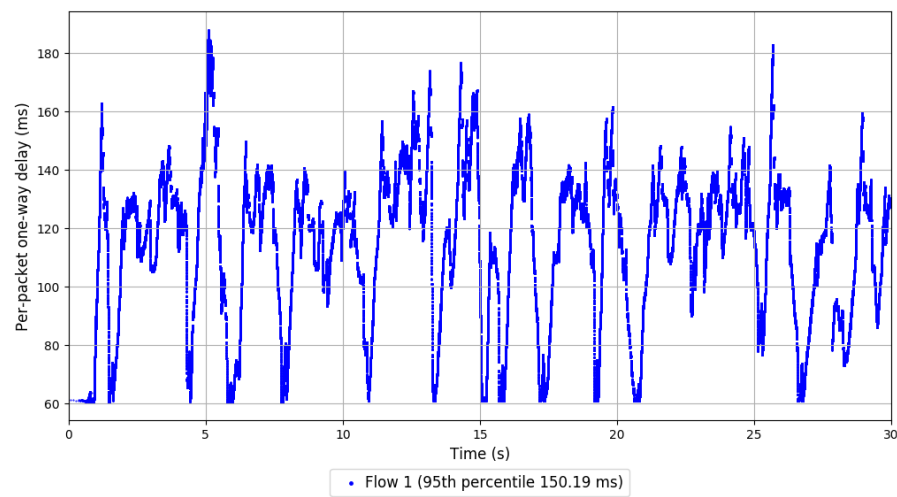
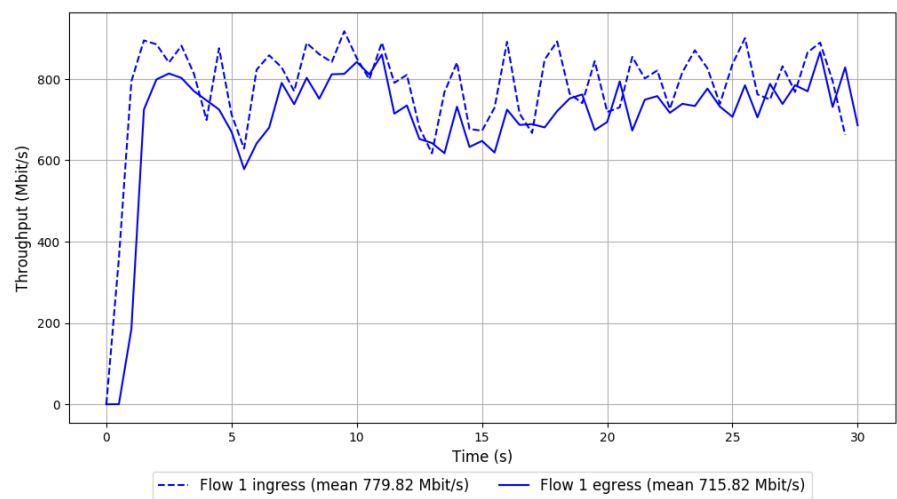


Run 8: Statistics of FillP

Start at: 2018-08-11 03:26:32
End at: 2018-08-11 03:27:02
Local clock offset: 0.068 ms
Remote clock offset: -0.146 ms

Below is generated by plot.py at 2018-08-11 05:18:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 715.82 Mbit/s
95th percentile per-packet one-way delay: 150.188 ms
Loss rate: 8.21%
-- Flow 1:
Average throughput: 715.82 Mbit/s
95th percentile per-packet one-way delay: 150.188 ms
Loss rate: 8.21%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-08-11 03:49:24

End at: 2018-08-11 03:49:54

Local clock offset: -0.278 ms

Remote clock offset: 0.106 ms

Below is generated by plot.py at 2018-08-11 05:33:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 851.45 Mbit/s

95th percentile per-packet one-way delay: 140.577 ms

Loss rate: 3.07%

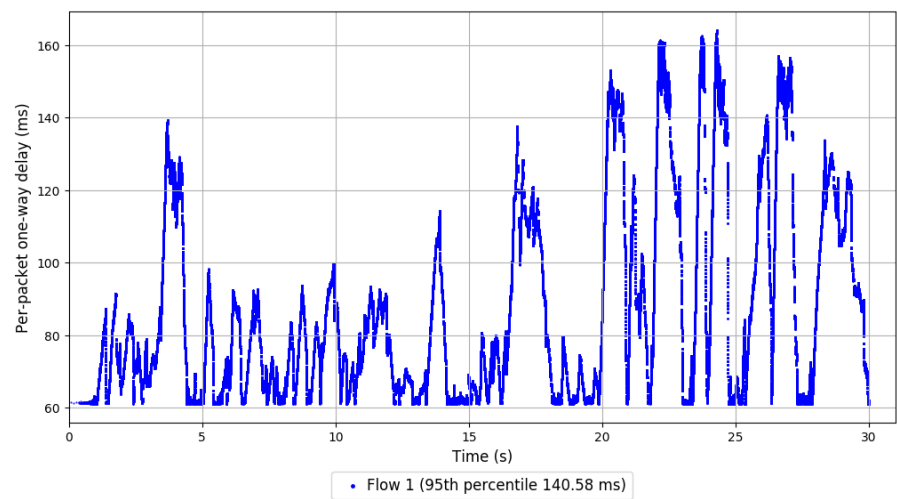
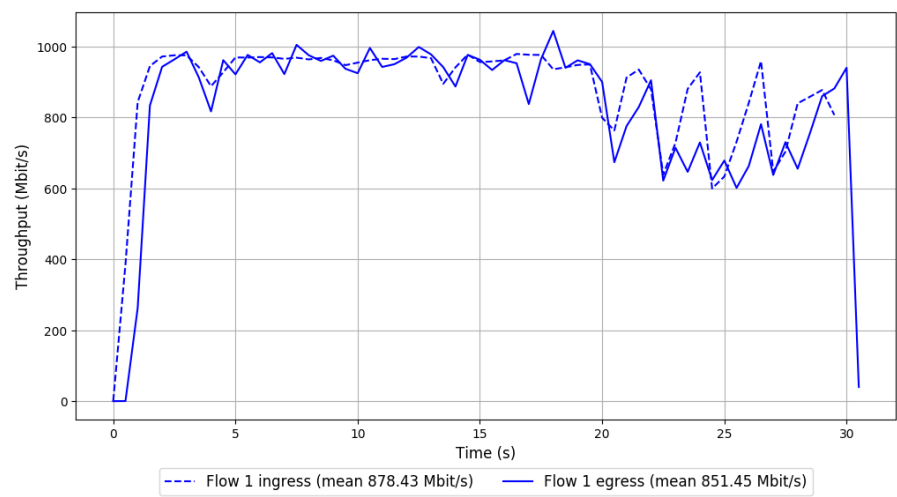
-- Flow 1:

Average throughput: 851.45 Mbit/s

95th percentile per-packet one-way delay: 140.577 ms

Loss rate: 3.07%

Run 9: Report of FillP — Data Link

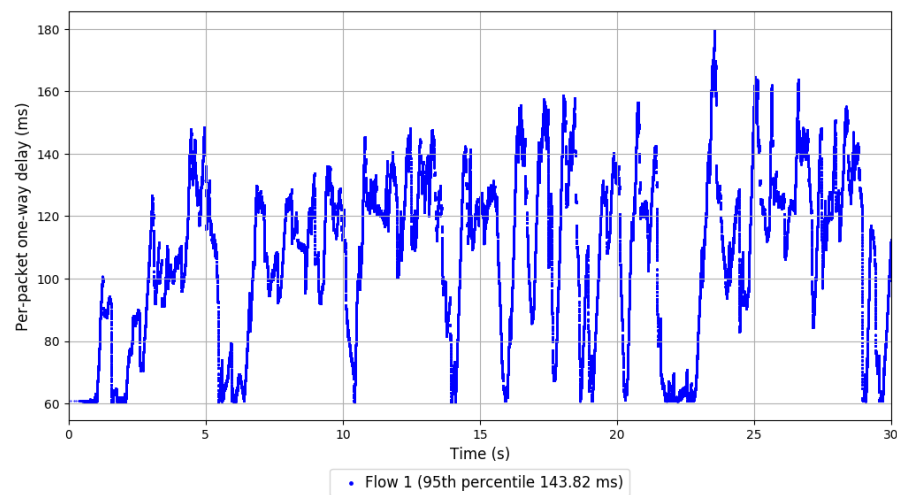
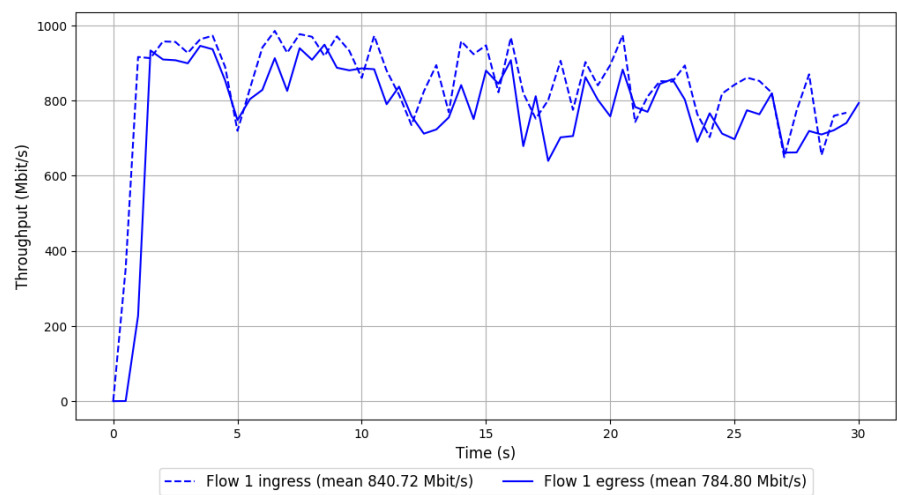


Run 10: Statistics of FillP

Start at: 2018-08-11 04:11:58
End at: 2018-08-11 04:12:28
Local clock offset: -0.458 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-08-11 05:33:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 784.80 Mbit/s
95th percentile per-packet one-way delay: 143.824 ms
Loss rate: 6.65%
-- Flow 1:
Average throughput: 784.80 Mbit/s
95th percentile per-packet one-way delay: 143.824 ms
Loss rate: 6.65%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-08-11 00:44:07

End at: 2018-08-11 00:44:37

Local clock offset: 0.519 ms

Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-08-11 05:34:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 781.78 Mbit/s

95th percentile per-packet one-way delay: 118.322 ms

Loss rate: 0.41%

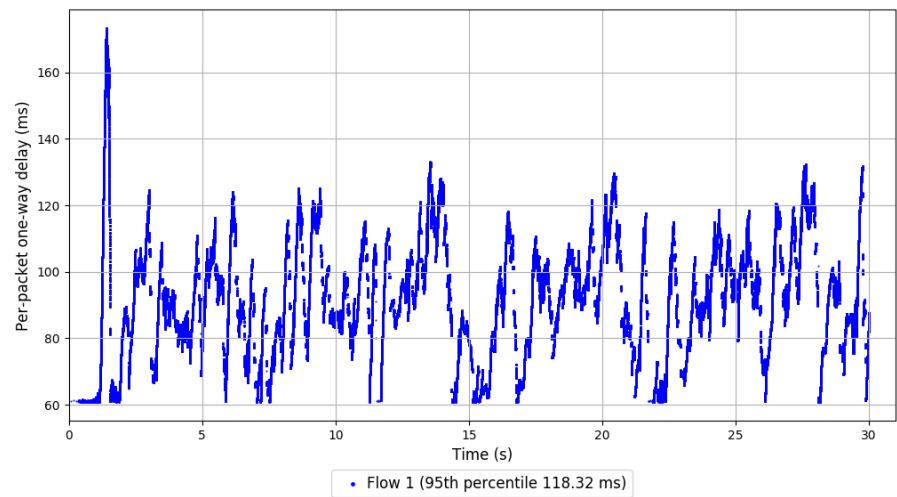
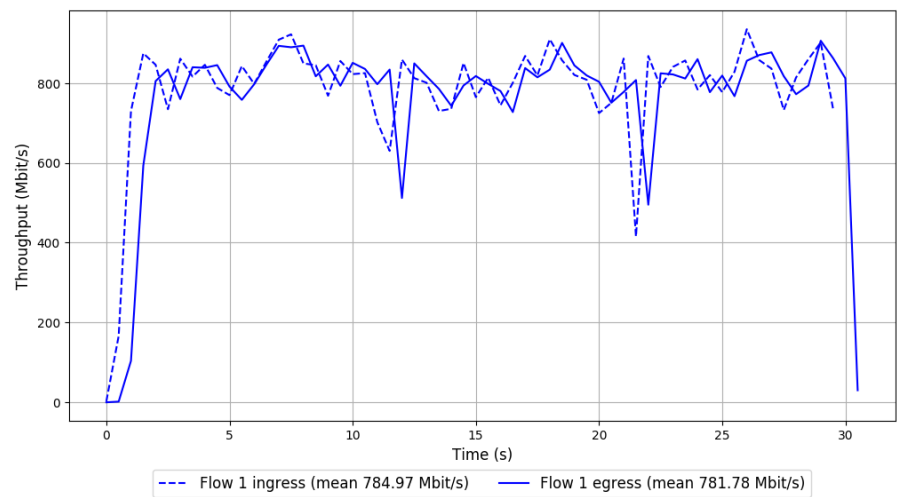
-- Flow 1:

Average throughput: 781.78 Mbit/s

95th percentile per-packet one-way delay: 118.322 ms

Loss rate: 0.41%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-08-11 01:07:04

End at: 2018-08-11 01:07:34

Local clock offset: 0.184 ms

Remote clock offset: 0.057 ms

Below is generated by plot.py at 2018-08-11 05:34:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 757.84 Mbit/s

95th percentile per-packet one-way delay: 110.296 ms

Loss rate: 0.10%

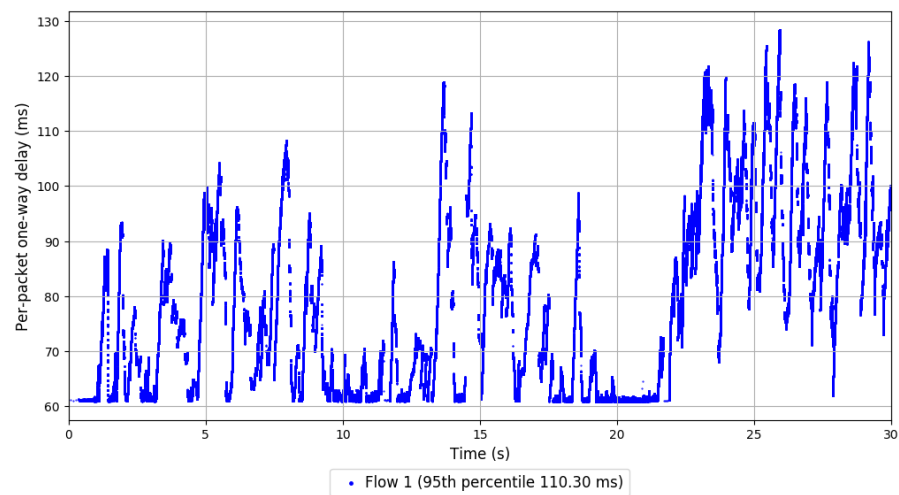
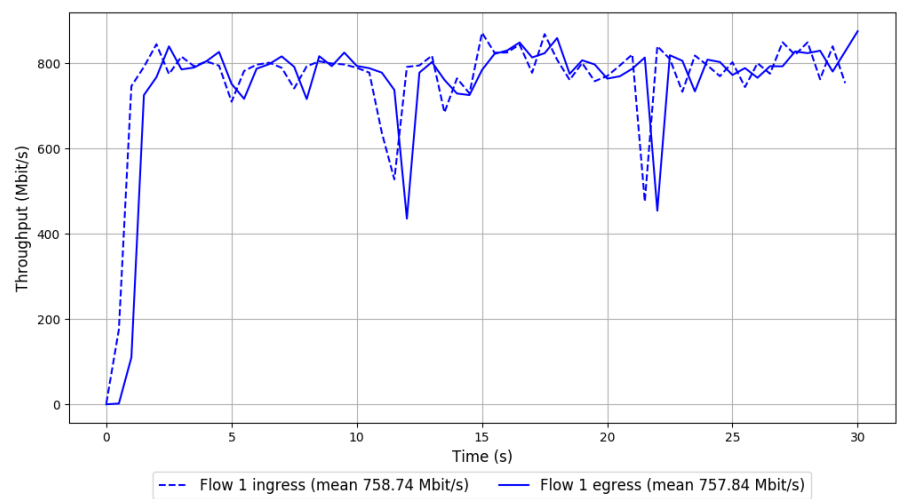
-- Flow 1:

Average throughput: 757.84 Mbit/s

95th percentile per-packet one-way delay: 110.296 ms

Loss rate: 0.10%

Run 2: Report of FillP-Sheep — Data Link

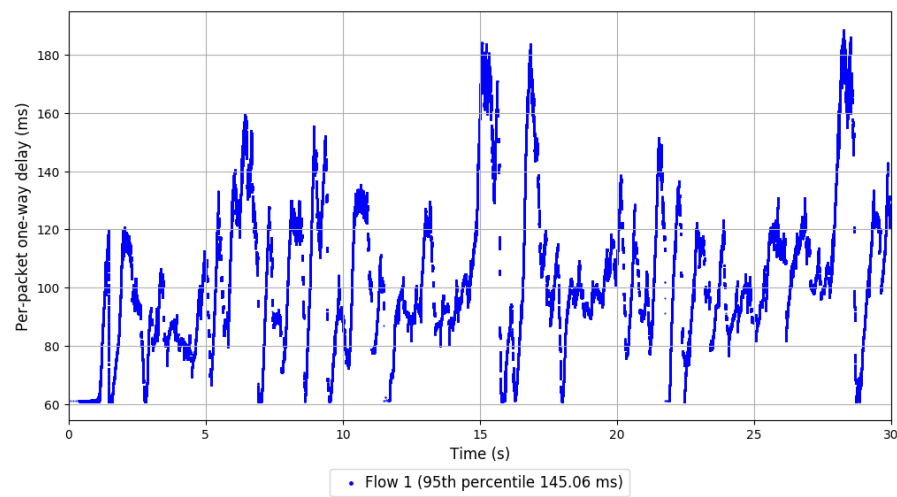
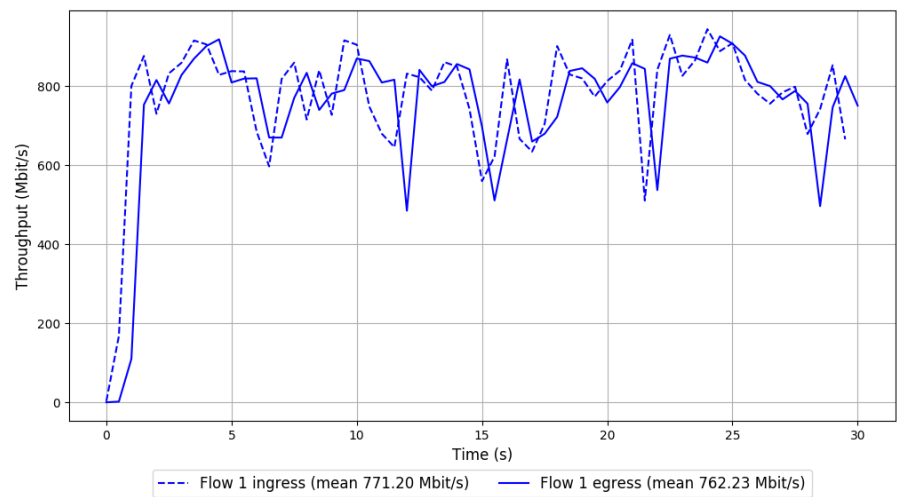


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-11 01:29:46
End at: 2018-08-11 01:30:16
Local clock offset: 0.186 ms
Remote clock offset: -0.143 ms

Below is generated by plot.py at 2018-08-11 05:34:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 762.23 Mbit/s
95th percentile per-packet one-way delay: 145.064 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 762.23 Mbit/s
95th percentile per-packet one-way delay: 145.064 ms
Loss rate: 1.16%

Run 3: Report of FillP-Sheep — Data Link

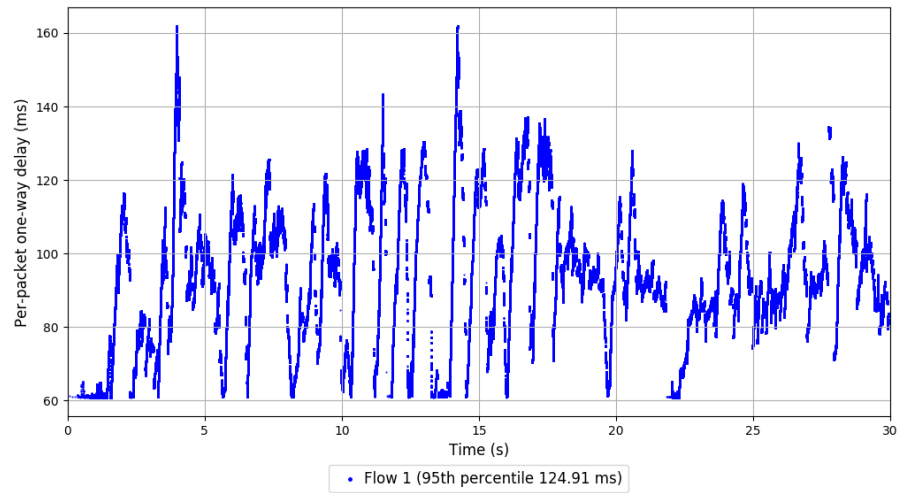
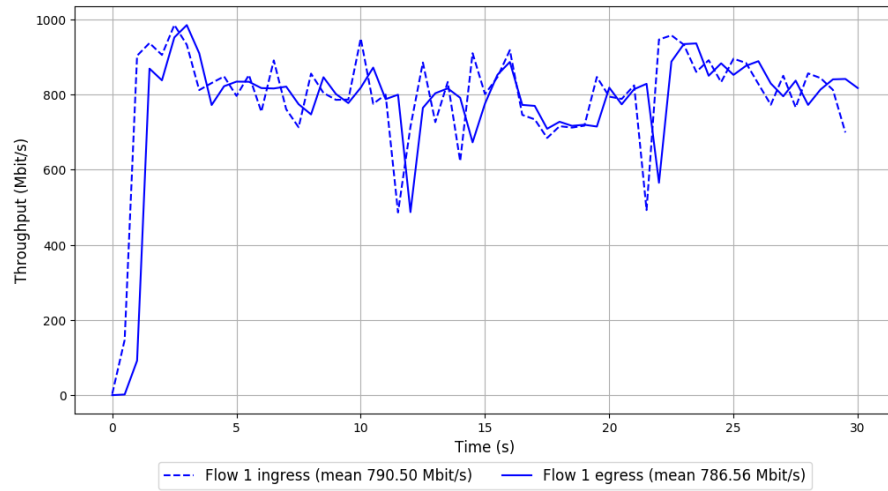


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-11 01:52:14
End at: 2018-08-11 01:52:44
Local clock offset: 0.342 ms
Remote clock offset: -0.268 ms

Below is generated by plot.py at 2018-08-11 05:34:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 786.56 Mbit/s
95th percentile per-packet one-way delay: 124.907 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 786.56 Mbit/s
95th percentile per-packet one-way delay: 124.907 ms
Loss rate: 0.50%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-08-11 02:15:28

End at: 2018-08-11 02:15:58

Local clock offset: 0.475 ms

Remote clock offset: -0.201 ms

Below is generated by plot.py at 2018-08-11 05:37:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 888.57 Mbit/s

95th percentile per-packet one-way delay: 129.299 ms

Loss rate: 1.49%

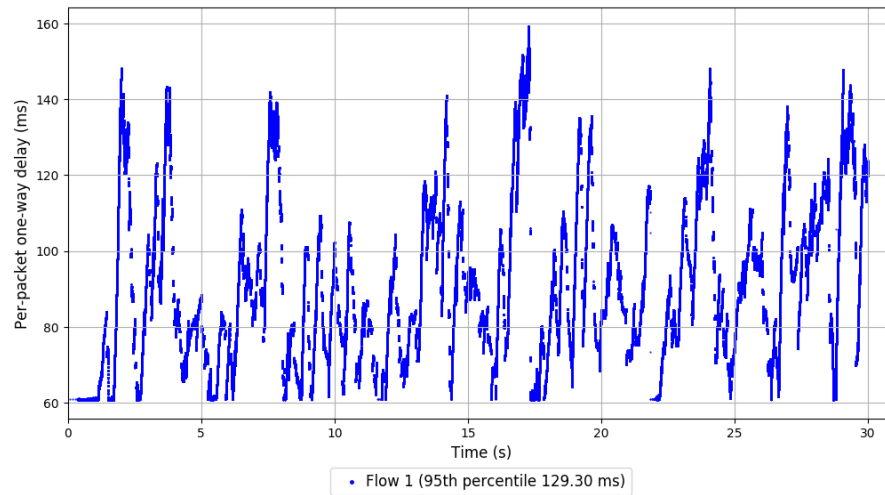
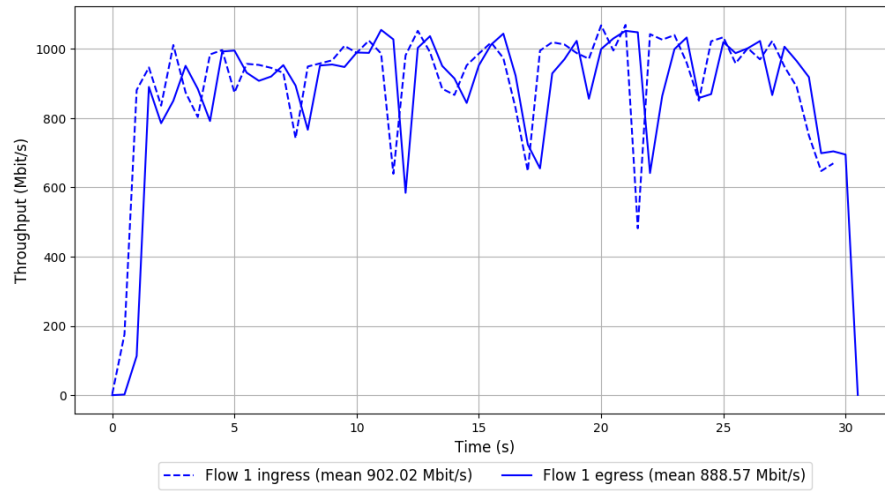
-- Flow 1:

Average throughput: 888.57 Mbit/s

95th percentile per-packet one-way delay: 129.299 ms

Loss rate: 1.49%

Run 5: Report of FillP-Sheep — Data Link

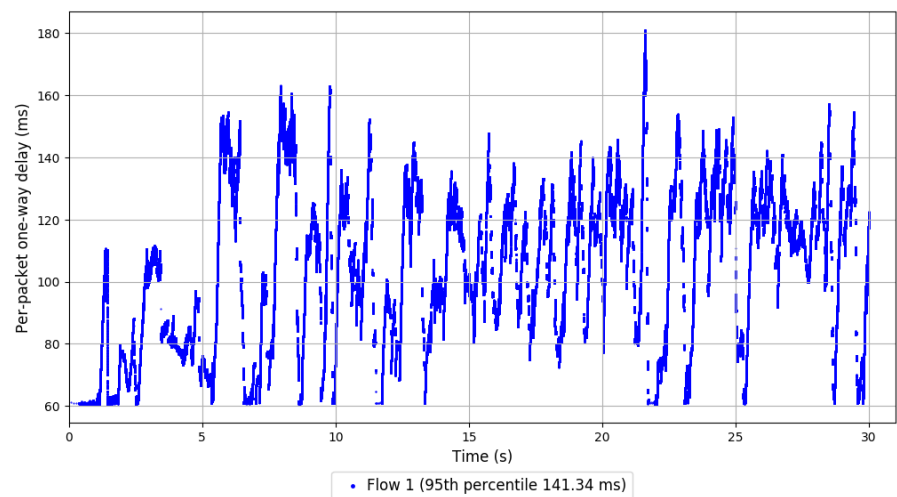
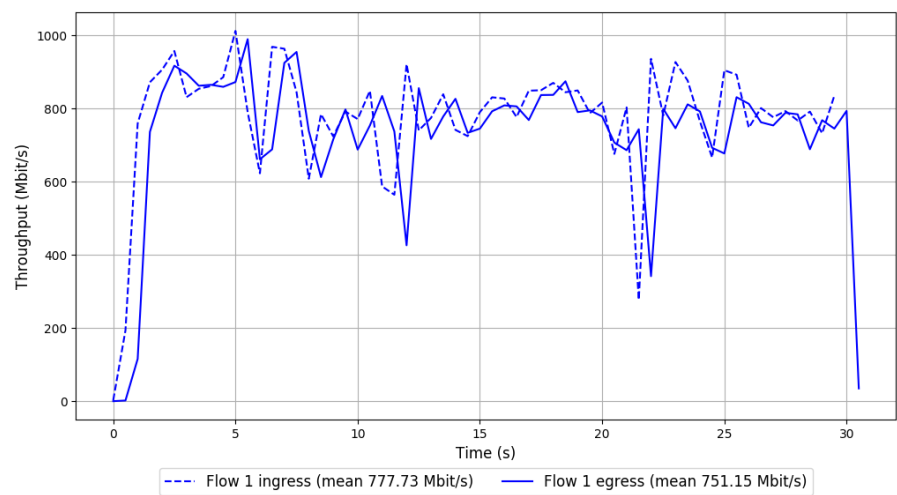


Run 6: Statistics of FillP-Sheep

Start at: 2018-08-11 02:38:20
End at: 2018-08-11 02:38:50
Local clock offset: 0.692 ms
Remote clock offset: -0.155 ms

Below is generated by plot.py at 2018-08-11 05:37:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 751.15 Mbit/s
95th percentile per-packet one-way delay: 141.341 ms
Loss rate: 3.42%
-- Flow 1:
Average throughput: 751.15 Mbit/s
95th percentile per-packet one-way delay: 141.341 ms
Loss rate: 3.42%

Run 6: Report of FillP-Sheep — Data Link

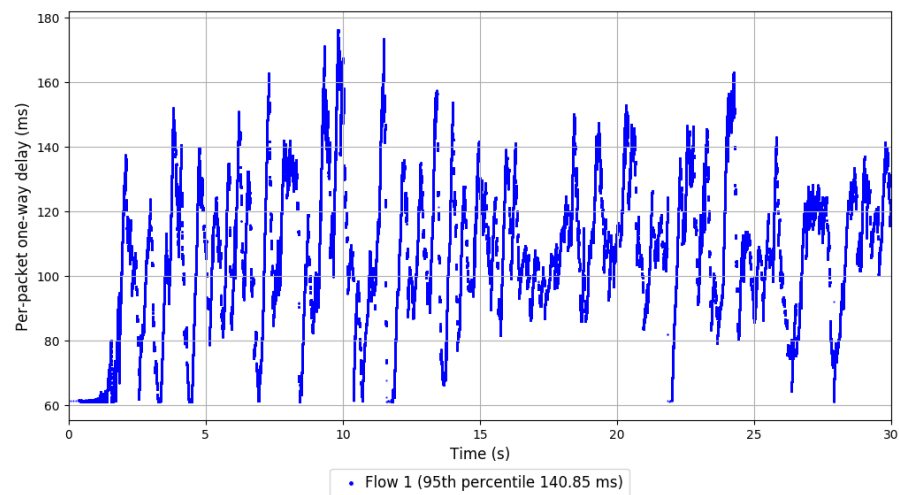
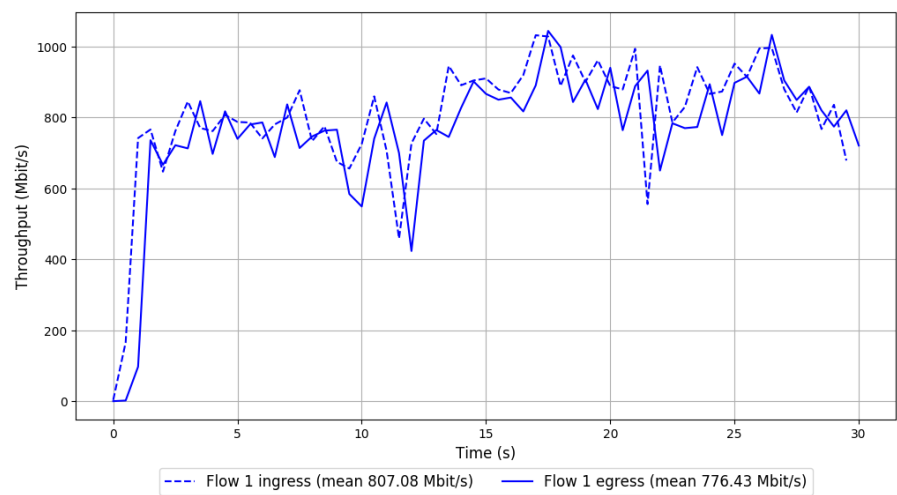


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-11 03:01:07
End at: 2018-08-11 03:01:37
Local clock offset: 0.851 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-08-11 05:48:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 776.43 Mbit/s
95th percentile per-packet one-way delay: 140.853 ms
Loss rate: 3.80%
-- Flow 1:
Average throughput: 776.43 Mbit/s
95th percentile per-packet one-way delay: 140.853 ms
Loss rate: 3.80%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-08-11 03:23:33

End at: 2018-08-11 03:24:03

Local clock offset: 0.039 ms

Remote clock offset: -0.137 ms

Below is generated by plot.py at 2018-08-11 05:50:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 884.57 Mbit/s

95th percentile per-packet one-way delay: 126.256 ms

Loss rate: 0.82%

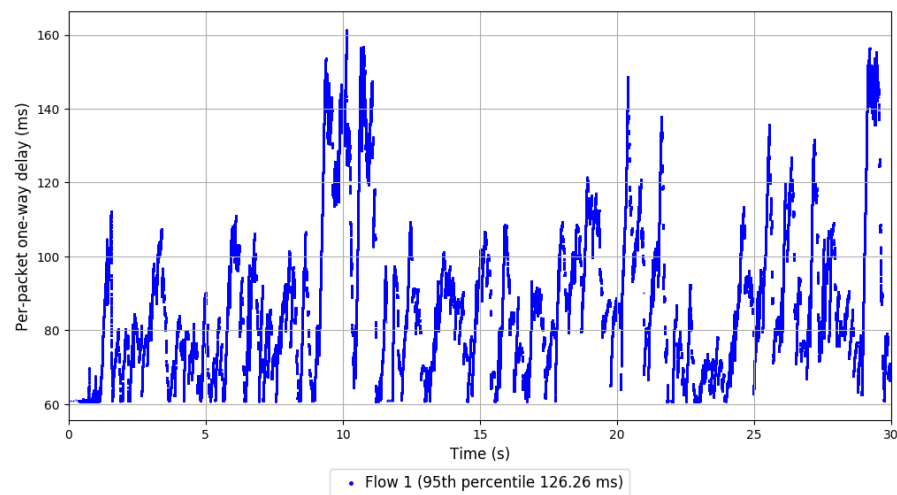
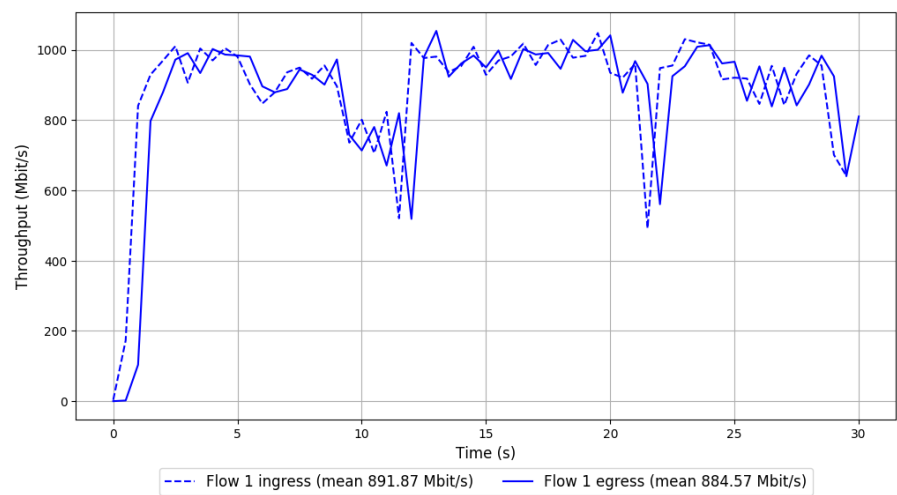
-- Flow 1:

Average throughput: 884.57 Mbit/s

95th percentile per-packet one-way delay: 126.256 ms

Loss rate: 0.82%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-08-11 03:46:30

End at: 2018-08-11 03:47:00

Local clock offset: -0.271 ms

Remote clock offset: 0.114 ms

Below is generated by plot.py at 2018-08-11 05:50:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 758.55 Mbit/s

95th percentile per-packet one-way delay: 146.632 ms

Loss rate: 2.13%

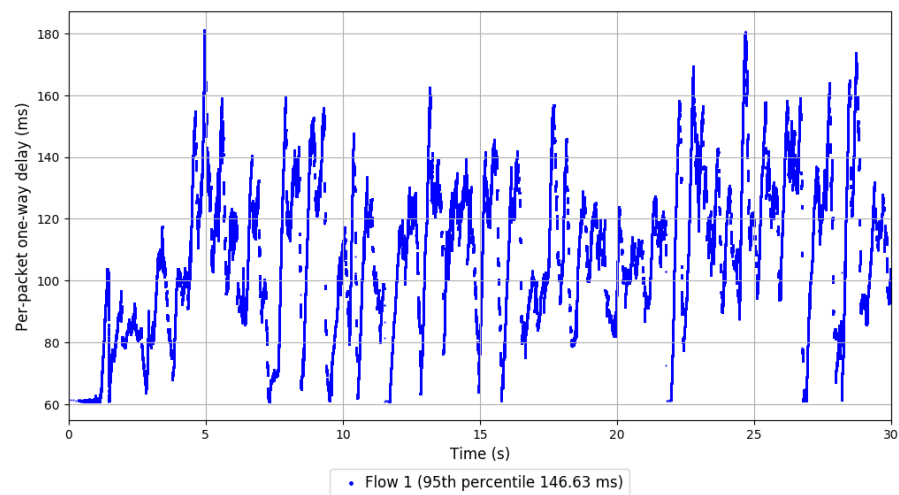
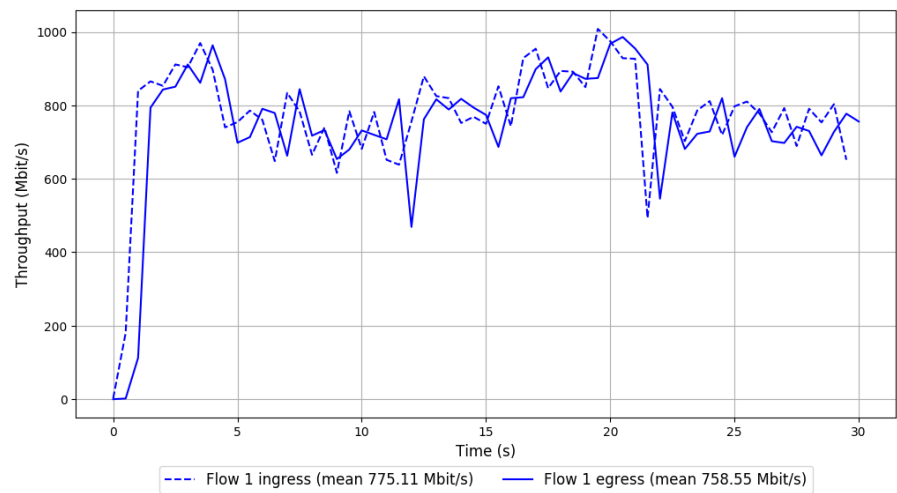
-- Flow 1:

Average throughput: 758.55 Mbit/s

95th percentile per-packet one-way delay: 146.632 ms

Loss rate: 2.13%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-08-11 04:09:12

End at: 2018-08-11 04:09:42

Local clock offset: -0.42 ms

Remote clock offset: 0.383 ms

Below is generated by plot.py at 2018-08-11 05:50:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 720.32 Mbit/s

95th percentile per-packet one-way delay: 131.216 ms

Loss rate: 1.26%

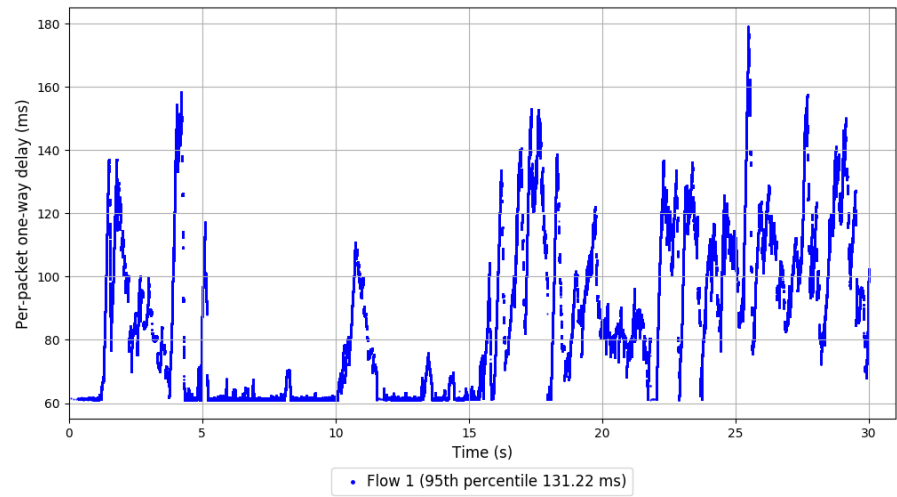
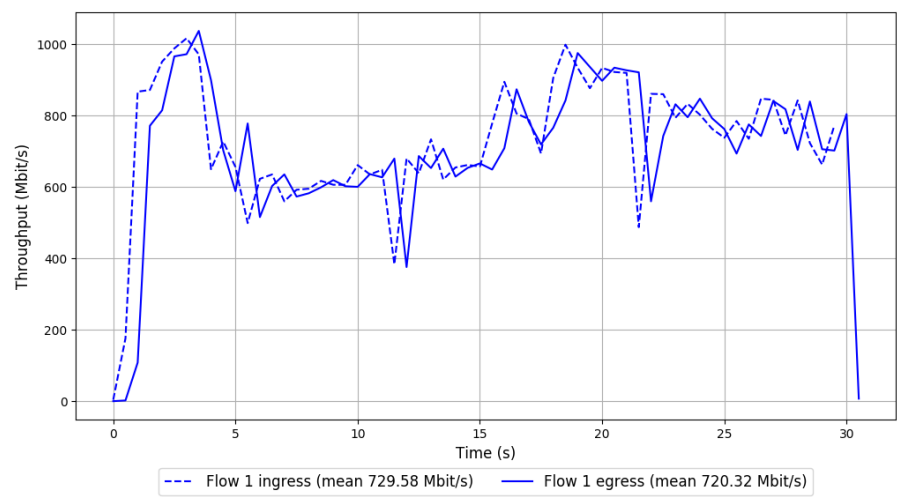
-- Flow 1:

Average throughput: 720.32 Mbit/s

95th percentile per-packet one-way delay: 131.216 ms

Loss rate: 1.26%

Run 10: Report of FillP-Sheep — Data Link

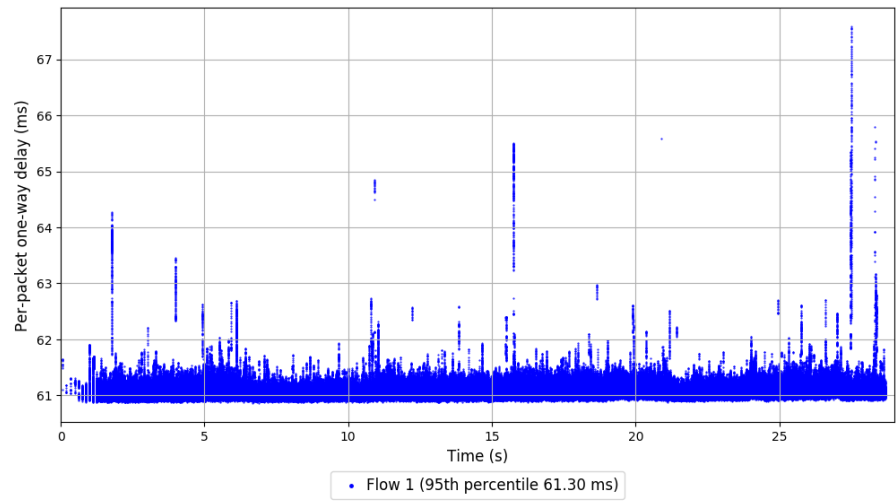
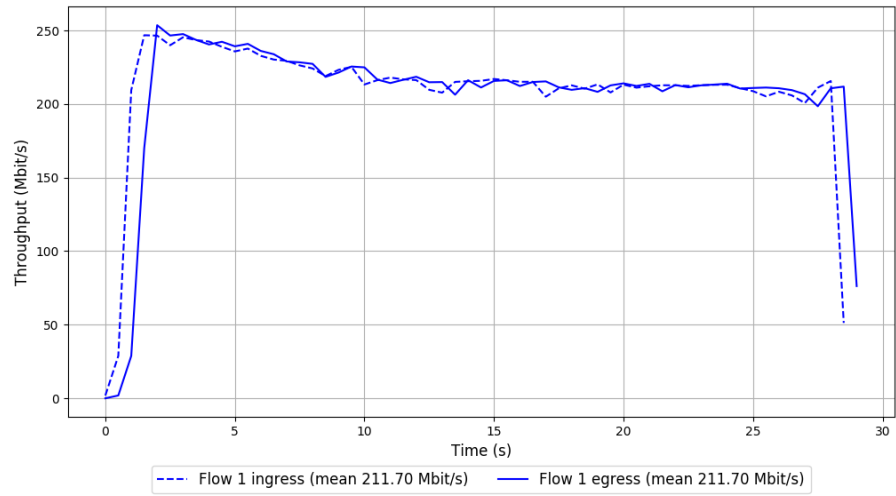


```
Run 1: Statistics of Indigo

Start at: 2018-08-11 00:53:03
End at: 2018-08-11 00:53:33
Local clock offset: 0.656 ms
Remote clock offset: 0.08 ms

# Below is generated by plot.py at 2018-08-11 05:50:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 211.70 Mbit/s
95th percentile per-packet one-way delay: 61.305 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 211.70 Mbit/s
95th percentile per-packet one-way delay: 61.305 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-08-11 01:15:47

End at: 2018-08-11 01:16:17

Local clock offset: 0.15 ms

Remote clock offset: 0.094 ms

Below is generated by plot.py at 2018-08-11 05:50:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.19 Mbit/s

95th percentile per-packet one-way delay: 61.323 ms

Loss rate: 0.00%

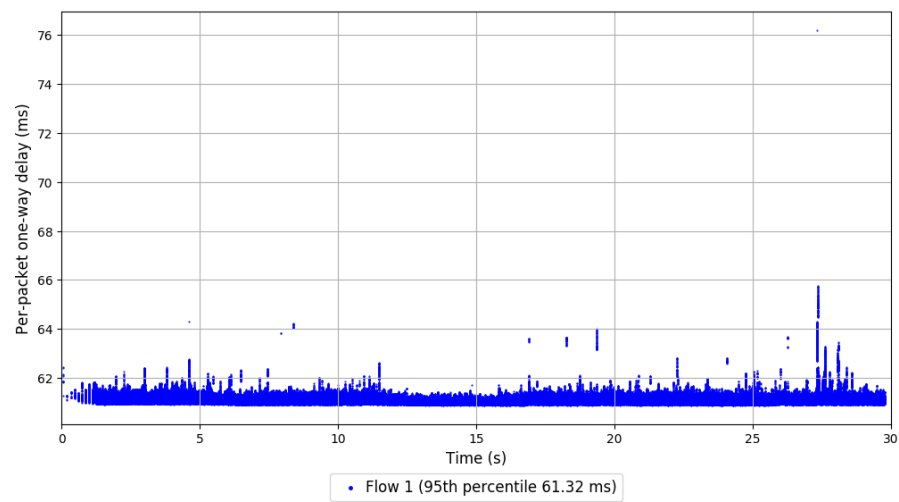
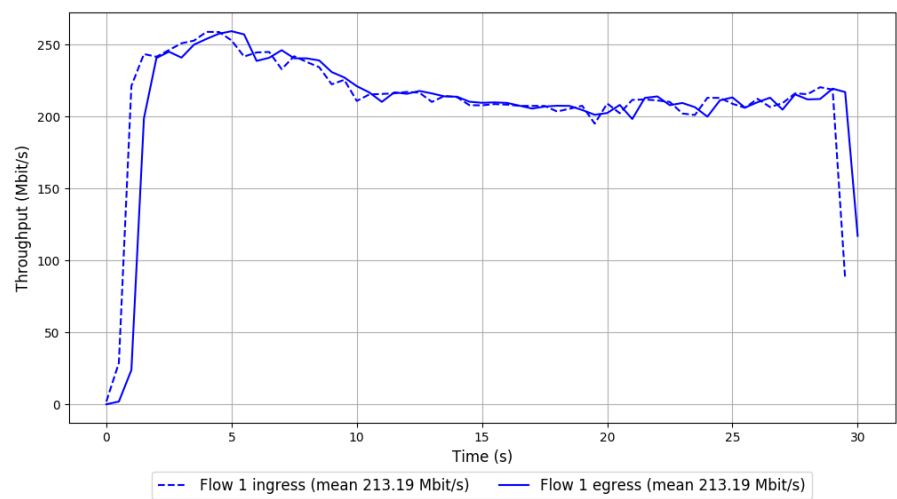
-- Flow 1:

Average throughput: 213.19 Mbit/s

95th percentile per-packet one-way delay: 61.323 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-08-11 01:38:20

End at: 2018-08-11 01:38:50

Local clock offset: 0.321 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-08-11 05:50:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.84 Mbit/s

95th percentile per-packet one-way delay: 61.332 ms

Loss rate: 0.00%

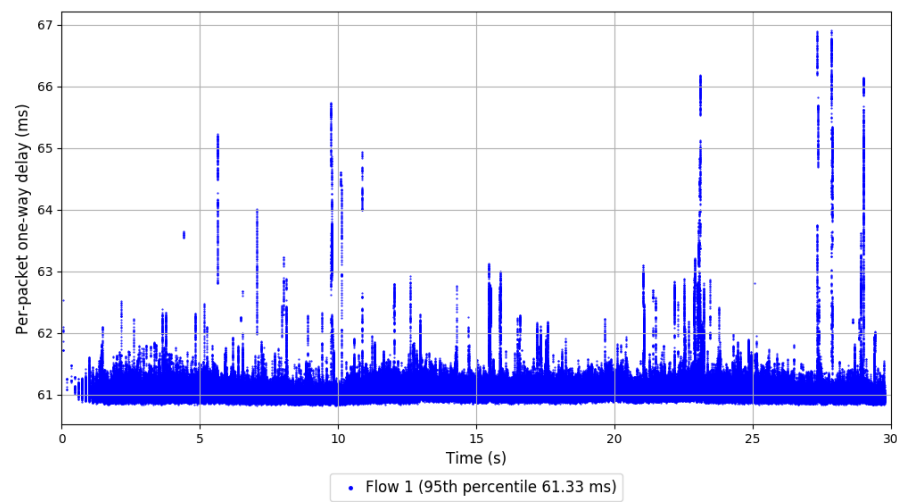
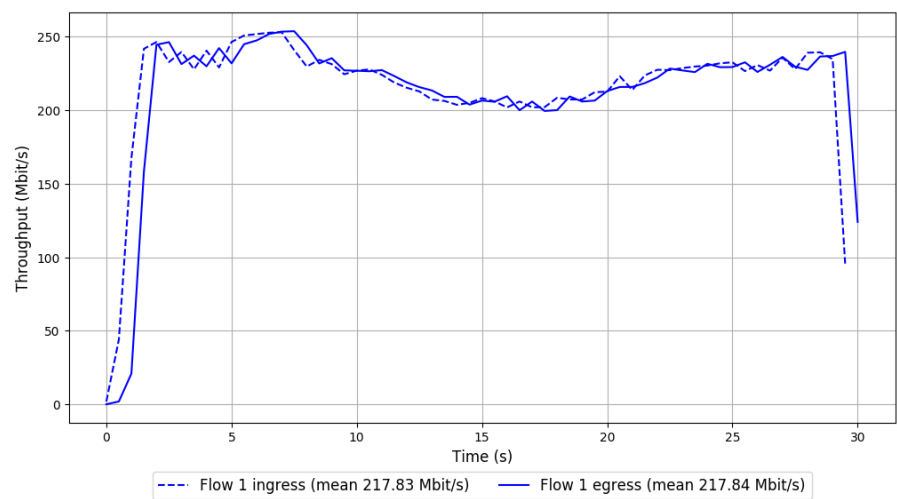
-- Flow 1:

Average throughput: 217.84 Mbit/s

95th percentile per-packet one-way delay: 61.332 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

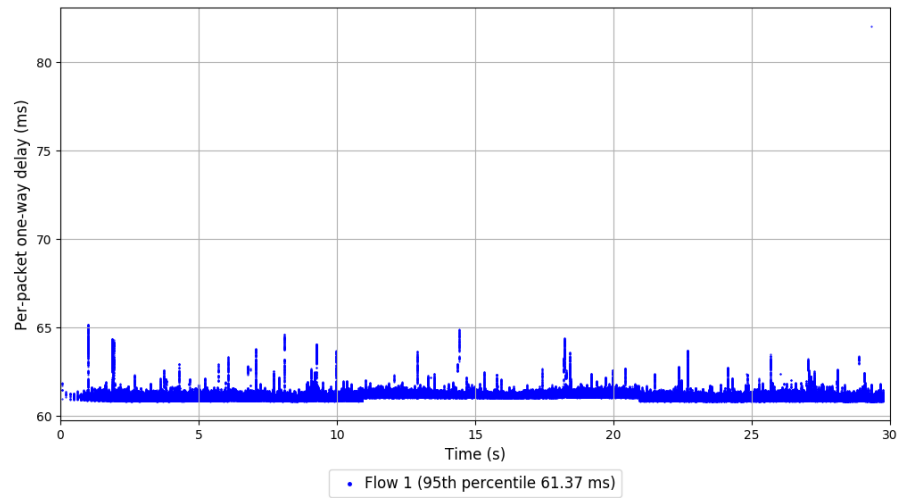
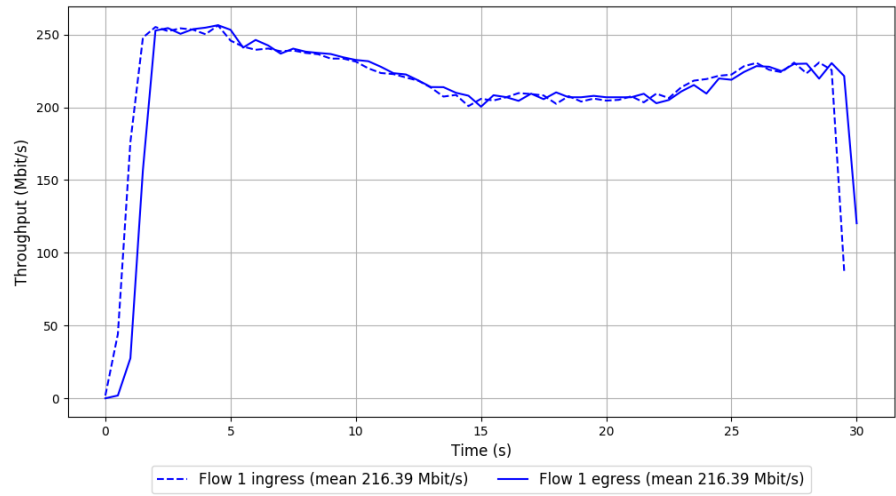


Run 4: Statistics of Indigo

Start at: 2018-08-11 02:01:22
End at: 2018-08-11 02:01:52
Local clock offset: 0.444 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-08-11 05:50:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.39 Mbit/s
95th percentile per-packet one-way delay: 61.370 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 216.39 Mbit/s
95th percentile per-packet one-way delay: 61.370 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

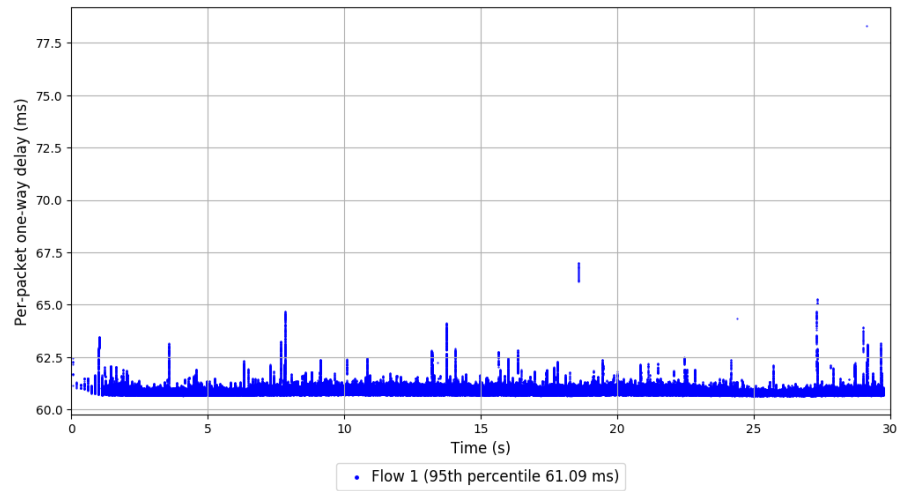
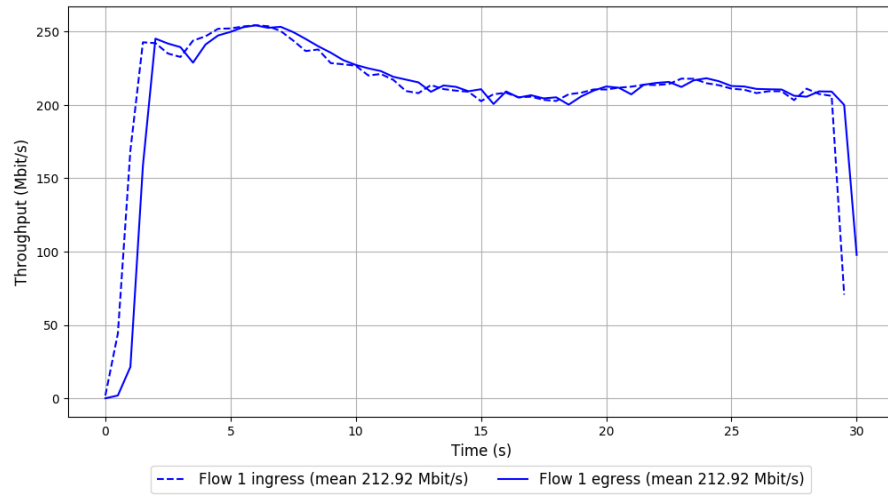


Run 5: Statistics of Indigo

Start at: 2018-08-11 02:24:22
End at: 2018-08-11 02:24:52
Local clock offset: 0.563 ms
Remote clock offset: -0.182 ms

Below is generated by plot.py at 2018-08-11 05:50:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 212.92 Mbit/s
95th percentile per-packet one-way delay: 61.092 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 212.92 Mbit/s
95th percentile per-packet one-way delay: 61.092 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-08-11 02:47:16

End at: 2018-08-11 02:47:46

Local clock offset: 0.718 ms

Remote clock offset: -0.216 ms

Below is generated by plot.py at 2018-08-11 05:50:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.36 Mbit/s

95th percentile per-packet one-way delay: 61.174 ms

Loss rate: 0.09%

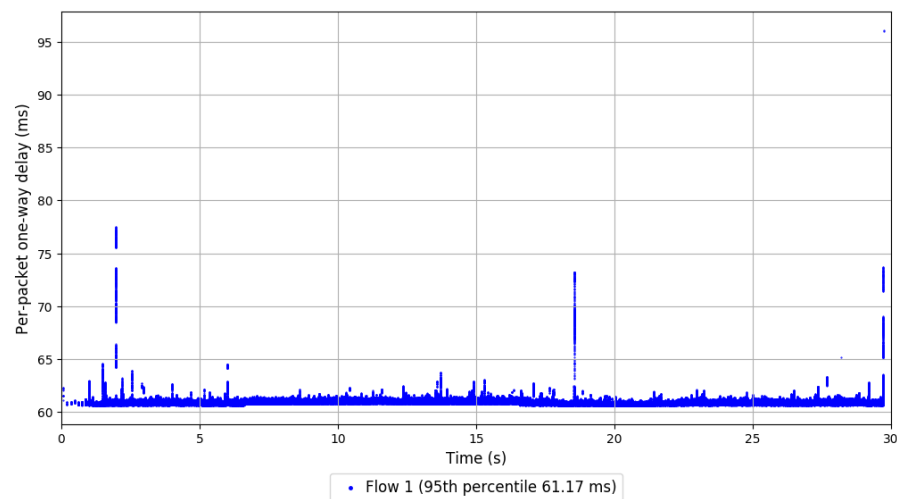
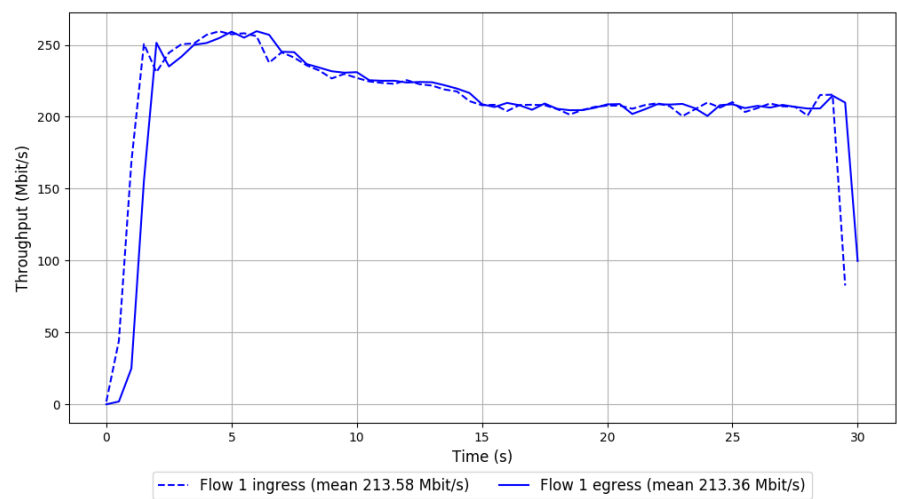
-- Flow 1:

Average throughput: 213.36 Mbit/s

95th percentile per-packet one-way delay: 61.174 ms

Loss rate: 0.09%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-08-11 03:09:40

End at: 2018-08-11 03:10:10

Local clock offset: 0.943 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-08-11 05:50:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.63 Mbit/s

95th percentile per-packet one-way delay: 61.224 ms

Loss rate: 0.00%

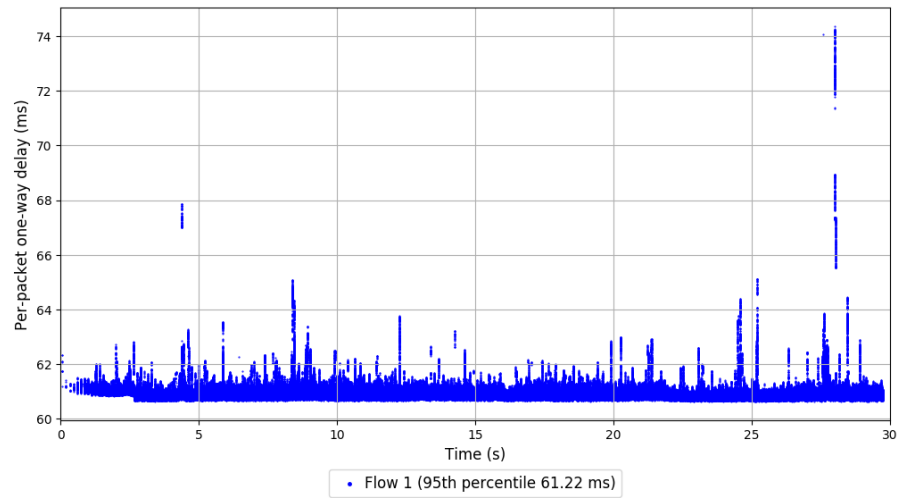
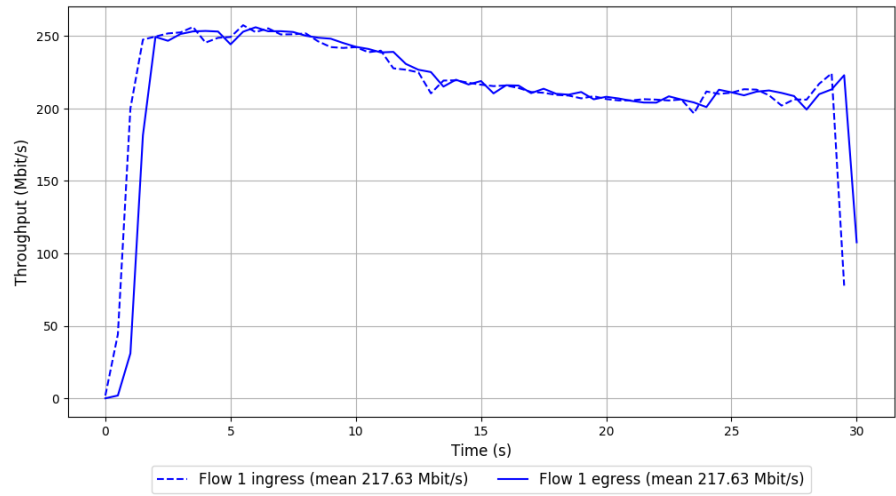
-- Flow 1:

Average throughput: 217.63 Mbit/s

95th percentile per-packet one-way delay: 61.224 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

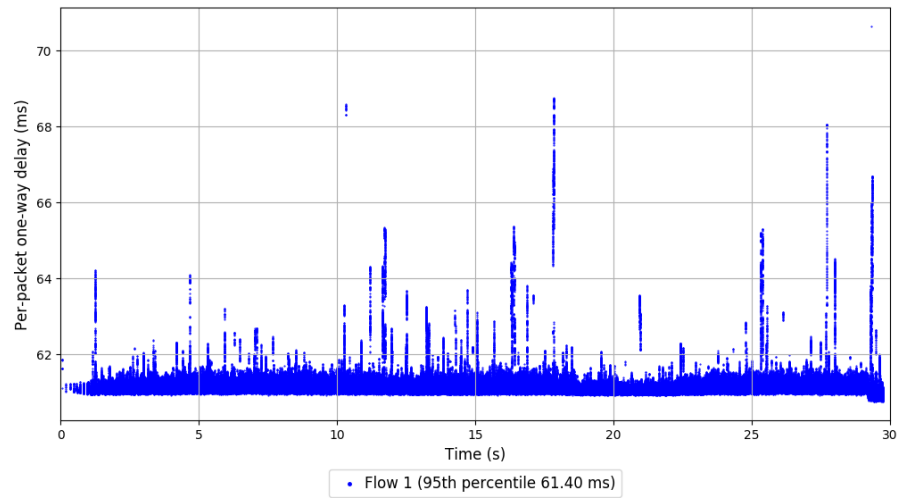
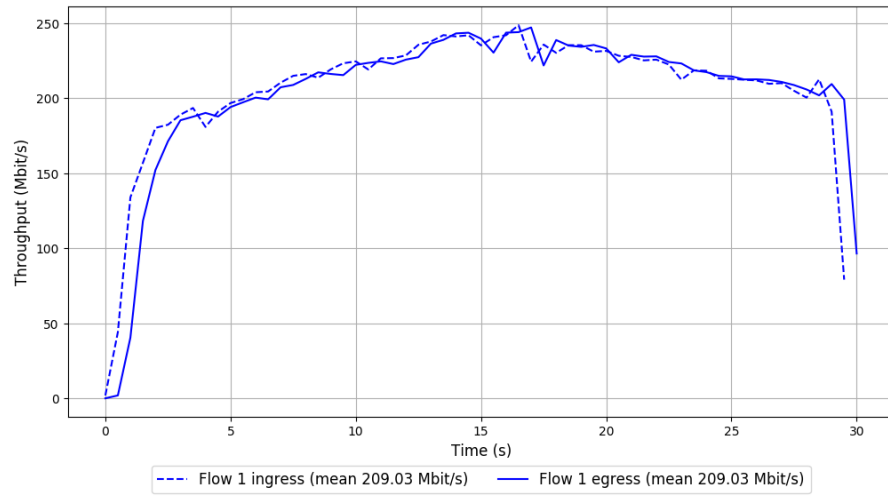


Run 8: Statistics of Indigo

Start at: 2018-08-11 03:32:34
End at: 2018-08-11 03:33:04
Local clock offset: -0.125 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-08-11 05:50:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 209.03 Mbit/s
95th percentile per-packet one-way delay: 61.398 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 209.03 Mbit/s
95th percentile per-packet one-way delay: 61.398 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

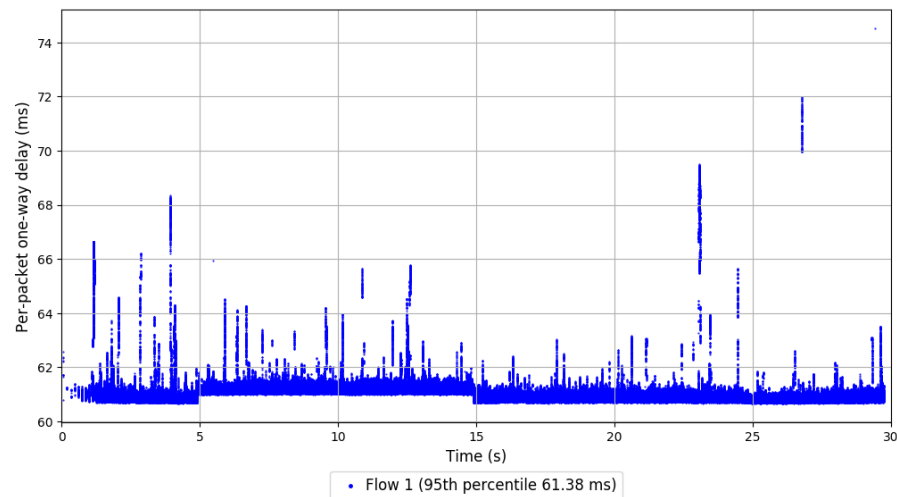
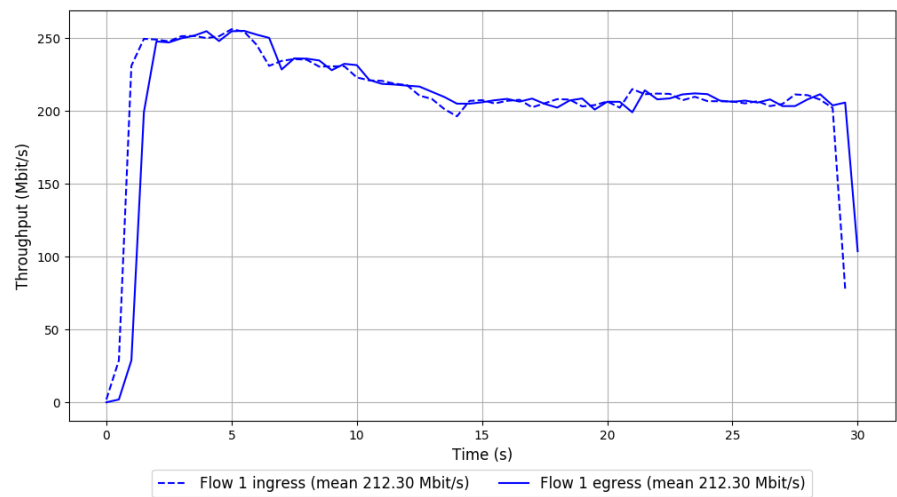


Run 9: Statistics of Indigo

Start at: 2018-08-11 03:55:18
End at: 2018-08-11 03:55:48
Local clock offset: -0.353 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-08-11 05:50:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 212.30 Mbit/s
95th percentile per-packet one-way delay: 61.382 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 212.30 Mbit/s
95th percentile per-packet one-way delay: 61.382 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-08-11 04:17:52

End at: 2018-08-11 04:18:22

Local clock offset: -0.569 ms

Remote clock offset: 1.254 ms

Below is generated by plot.py at 2018-08-11 05:50:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.34 Mbit/s

95th percentile per-packet one-way delay: 63.015 ms

Loss rate: 0.00%

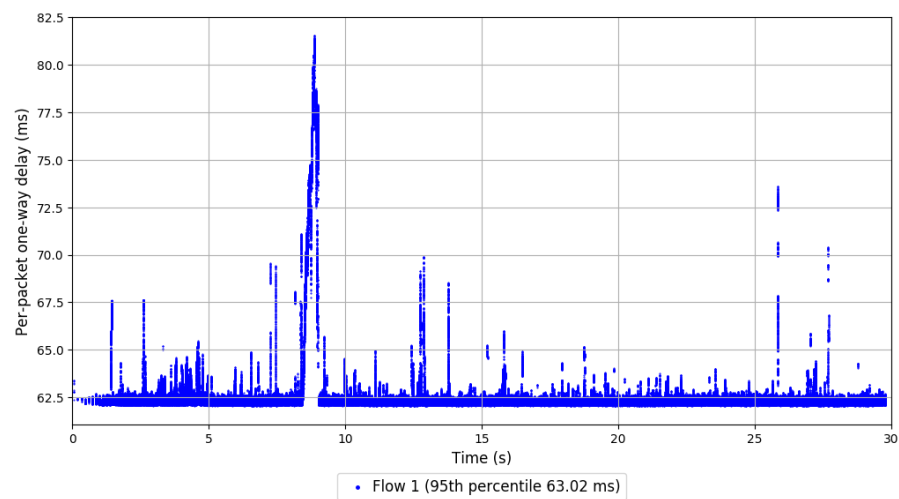
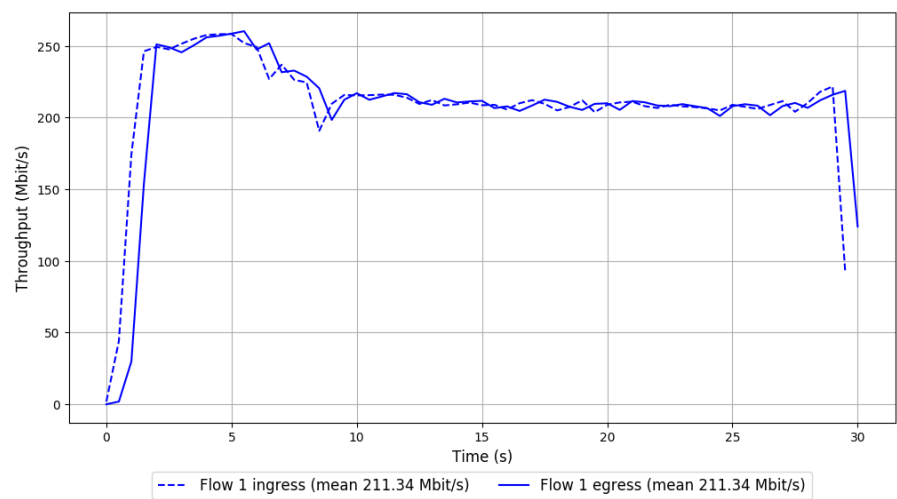
-- Flow 1:

Average throughput: 211.34 Mbit/s

95th percentile per-packet one-way delay: 63.015 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

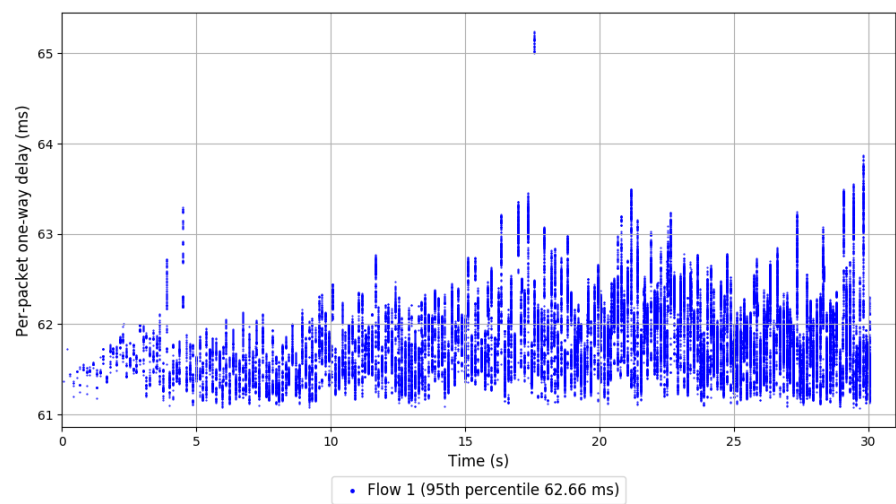
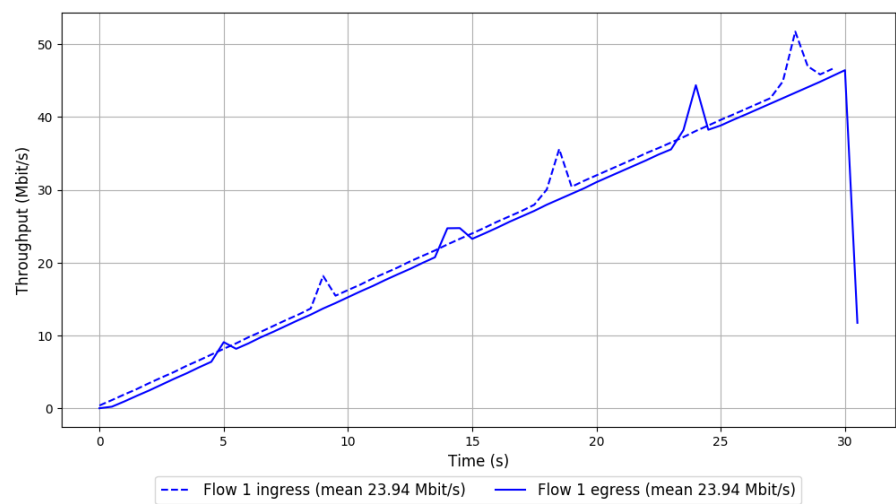


```
Run 1: Statistics of LEDBAT

Start at: 2018-08-11 00:37:13
End at: 2018-08-11 00:37:43
Local clock offset: 0.42 ms
Remote clock offset: 0.046 ms

# Below is generated by plot.py at 2018-08-11 05:50:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.94 Mbit/s
95th percentile per-packet one-way delay: 62.659 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.94 Mbit/s
95th percentile per-packet one-way delay: 62.659 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

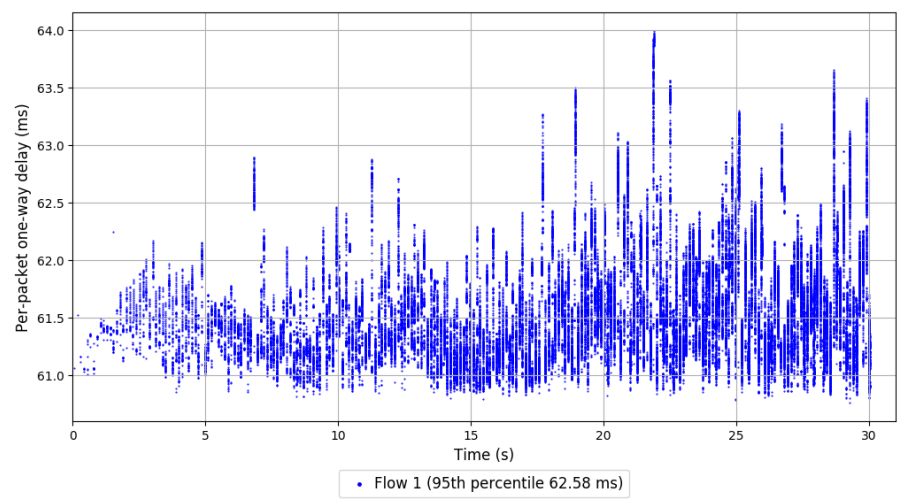
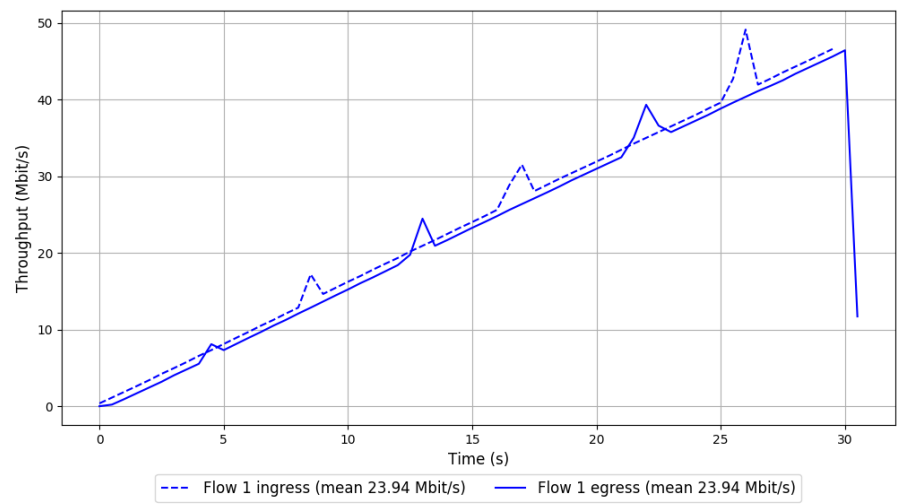


Run 2: Statistics of LEDBAT

Start at: 2018-08-11 01:00:13
End at: 2018-08-11 01:00:43
Local clock offset: 0.356 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-08-11 05:50:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.94 Mbit/s
95th percentile per-packet one-way delay: 62.578 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.94 Mbit/s
95th percentile per-packet one-way delay: 62.578 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

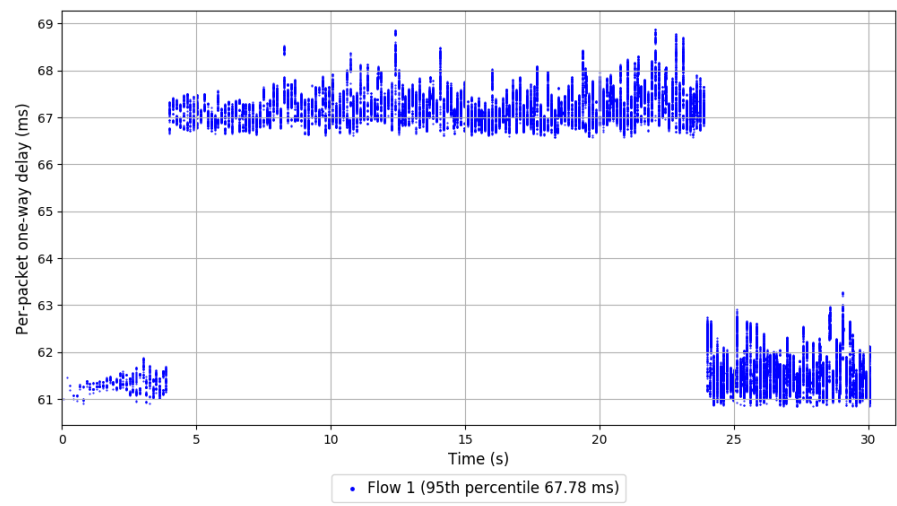
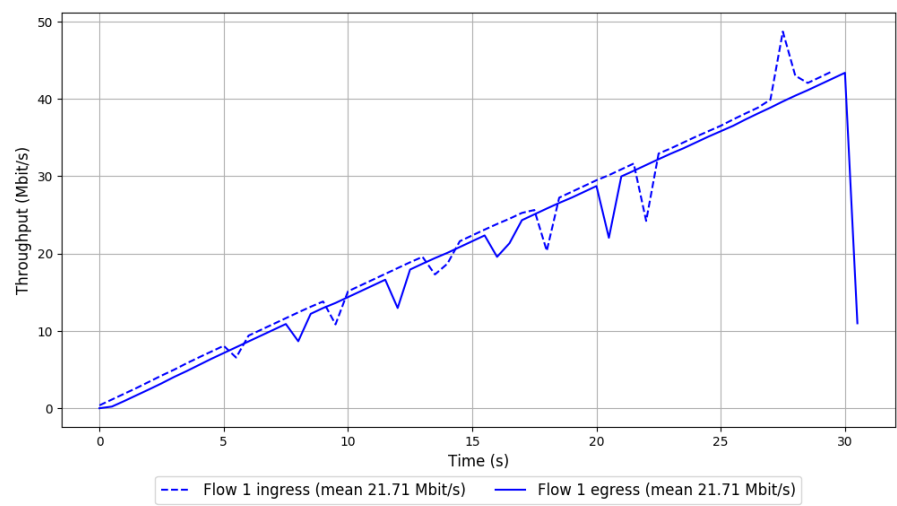


Run 3: Statistics of LEDBAT

Start at: 2018-08-11 01:22:59
End at: 2018-08-11 01:23:29
Local clock offset: 0.186 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-08-11 05:50:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.71 Mbit/s
95th percentile per-packet one-way delay: 67.776 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.71 Mbit/s
95th percentile per-packet one-way delay: 67.776 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

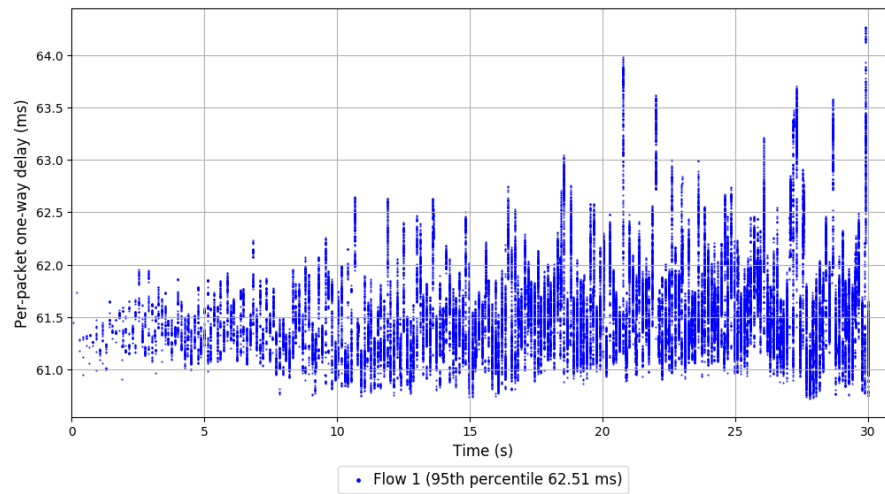
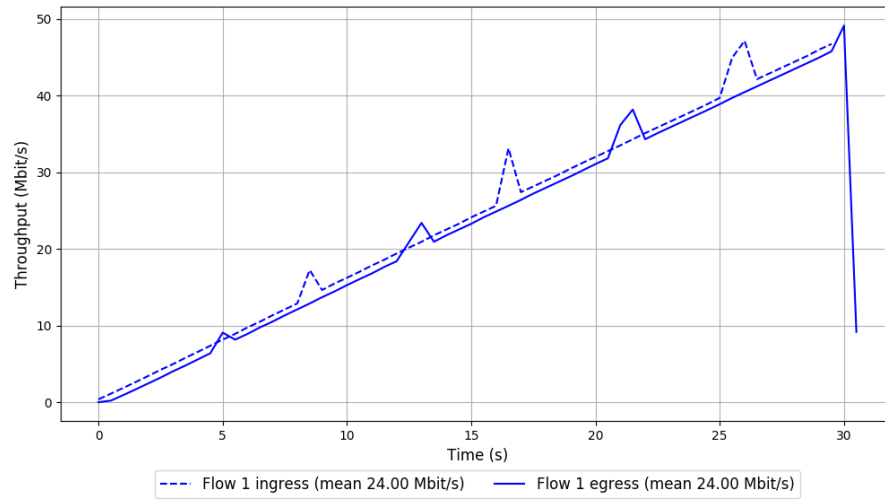


Run 4: Statistics of LEDBAT

Start at: 2018-08-11 01:45:25
End at: 2018-08-11 01:45:56
Local clock offset: 0.28 ms
Remote clock offset: -0.215 ms

Below is generated by plot.py at 2018-08-11 05:50:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.00 Mbit/s
95th percentile per-packet one-way delay: 62.506 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.00 Mbit/s
95th percentile per-packet one-way delay: 62.506 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-08-11 02:08:34

End at: 2018-08-11 02:09:04

Local clock offset: 0.469 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-08-11 05:50:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.83 Mbit/s

95th percentile per-packet one-way delay: 62.493 ms

Loss rate: 0.03%

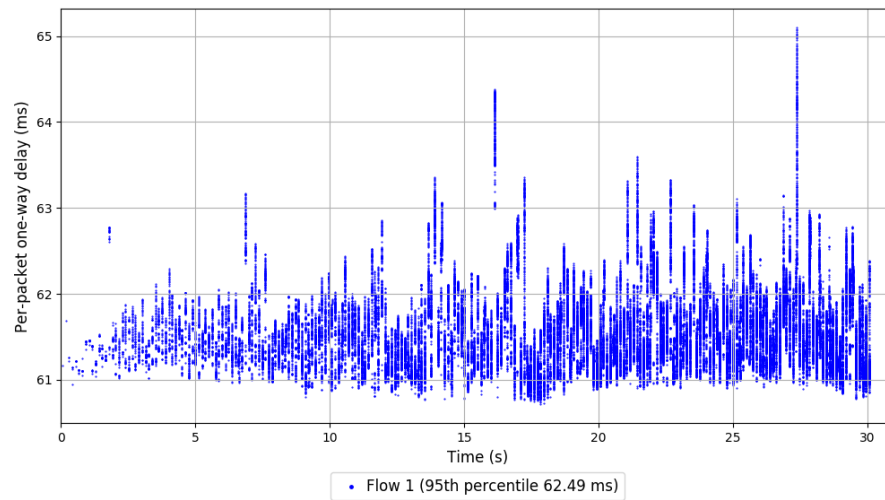
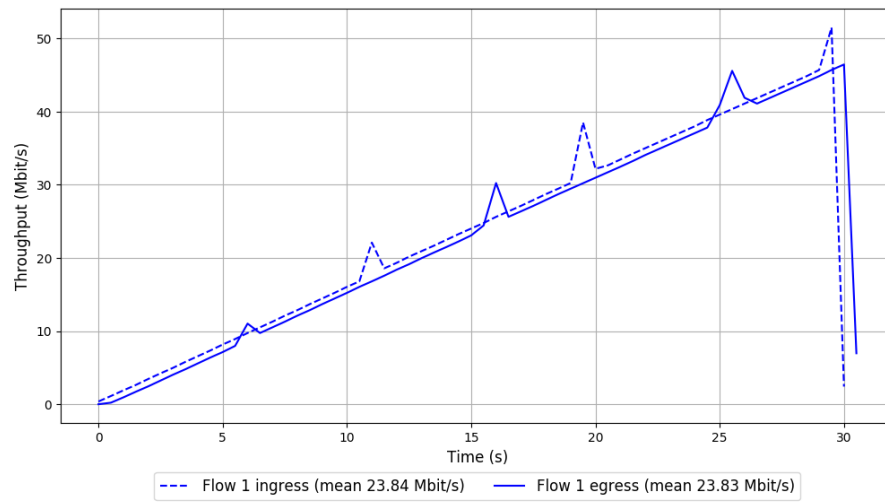
-- Flow 1:

Average throughput: 23.83 Mbit/s

95th percentile per-packet one-way delay: 62.493 ms

Loss rate: 0.03%

Run 5: Report of LEDBAT — Data Link

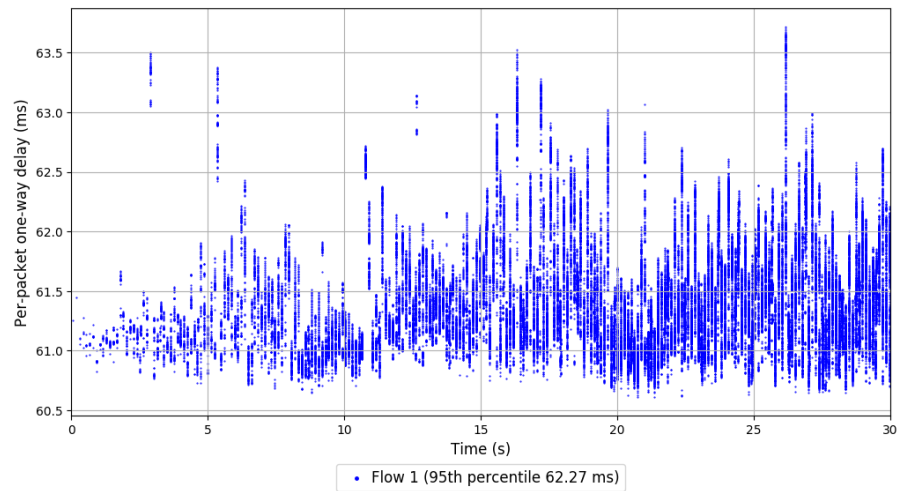
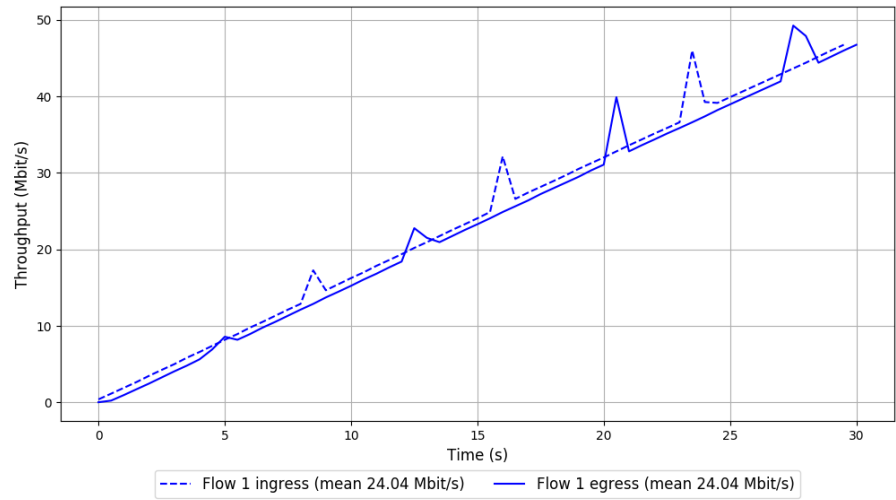


Run 6: Statistics of LEDBAT

Start at: 2018-08-11 02:31:34
End at: 2018-08-11 02:32:04
Local clock offset: 0.645 ms
Remote clock offset: -0.242 ms

Below is generated by plot.py at 2018-08-11 05:50:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.04 Mbit/s
95th percentile per-packet one-way delay: 62.272 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.04 Mbit/s
95th percentile per-packet one-way delay: 62.272 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

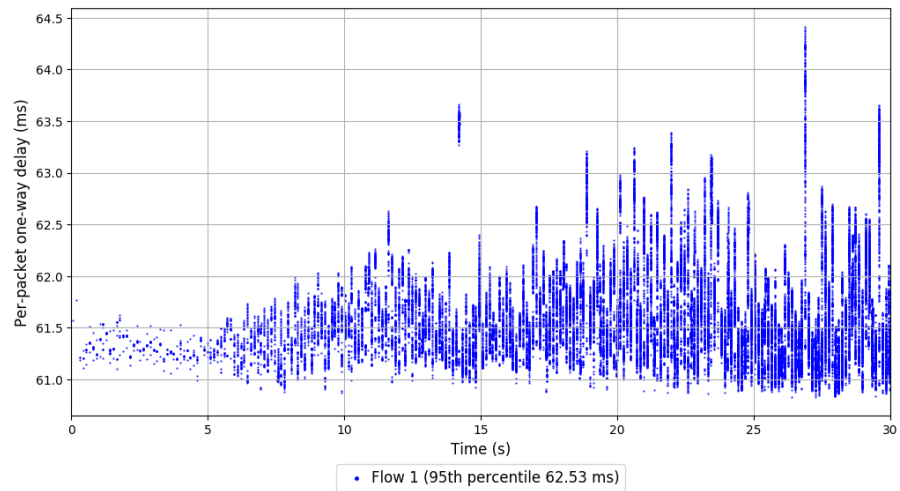
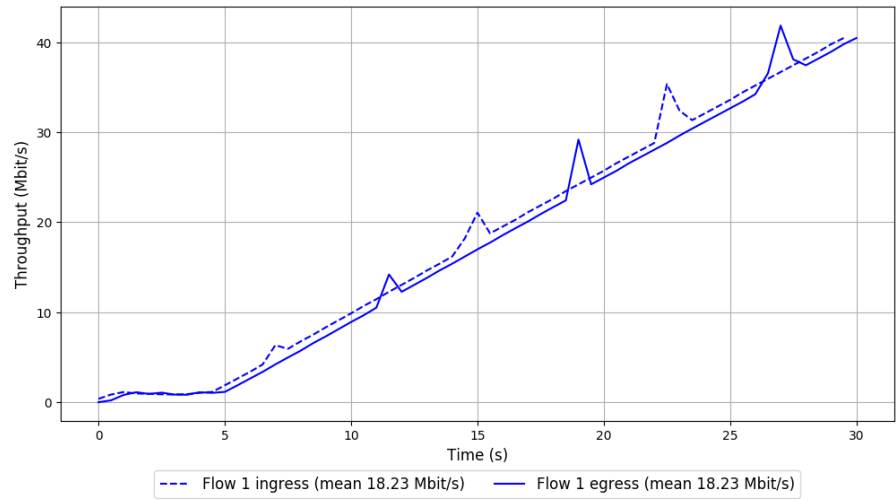


Run 7: Statistics of LEDBAT

Start at: 2018-08-11 02:54:26
End at: 2018-08-11 02:54:56
Local clock offset: 0.759 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-08-11 05:50:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.23 Mbit/s
95th percentile per-packet one-way delay: 62.533 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 18.23 Mbit/s
95th percentile per-packet one-way delay: 62.533 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-08-11 03:16:46

End at: 2018-08-11 03:17:16

Local clock offset: 0.339 ms

Remote clock offset: 2.782 ms

Below is generated by plot.py at 2018-08-11 05:50:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.64 Mbit/s

95th percentile per-packet one-way delay: 65.227 ms

Loss rate: 0.00%

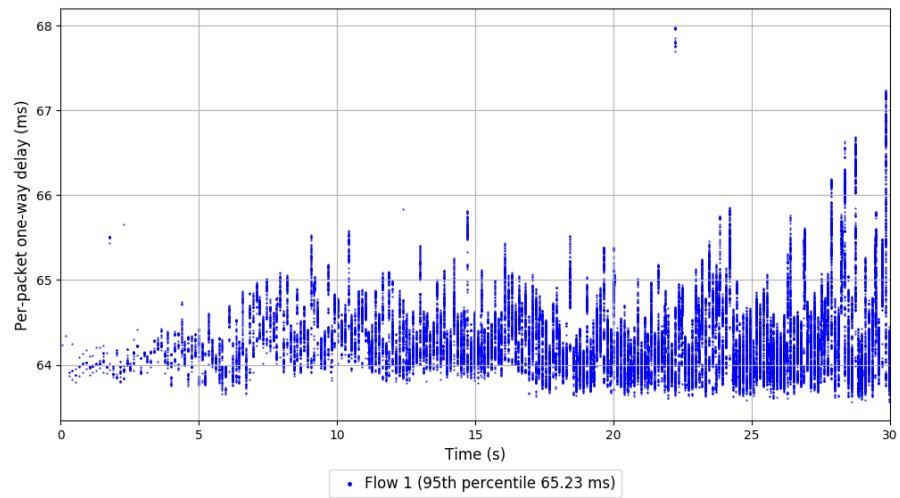
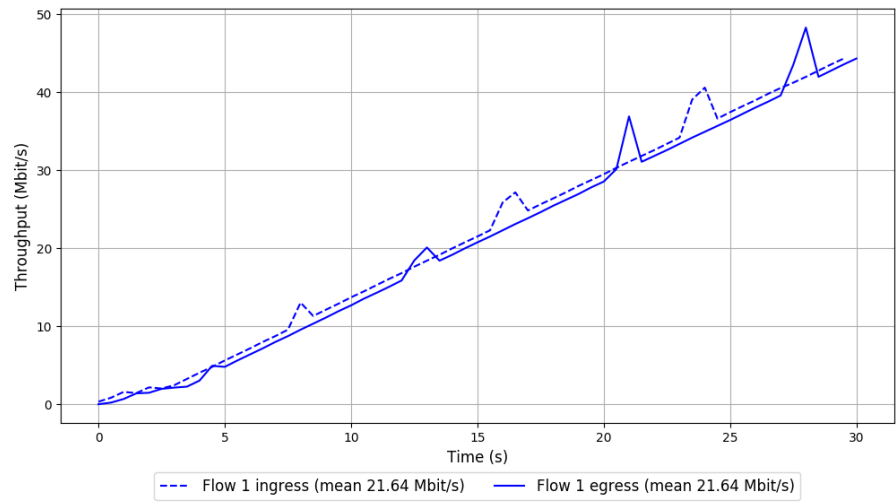
-- Flow 1:

Average throughput: 21.64 Mbit/s

95th percentile per-packet one-way delay: 65.227 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

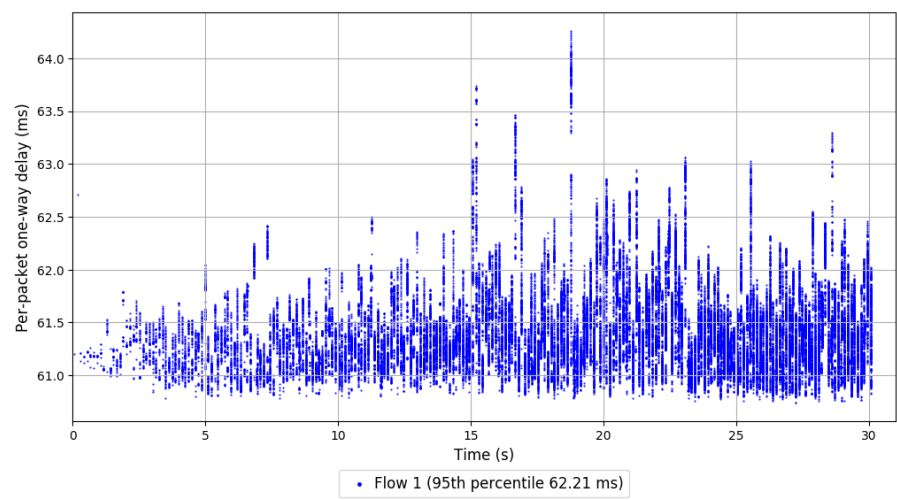
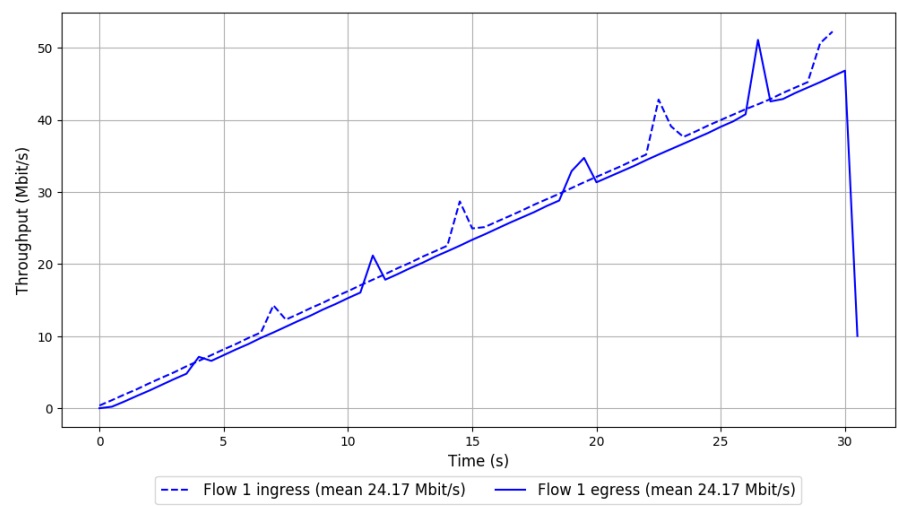


Run 9: Statistics of LEDBAT

Start at: 2018-08-11 03:39:43
End at: 2018-08-11 03:40:14
Local clock offset: -0.203 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-08-11 05:50:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.17 Mbit/s
95th percentile per-packet one-way delay: 62.206 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.17 Mbit/s
95th percentile per-packet one-way delay: 62.206 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

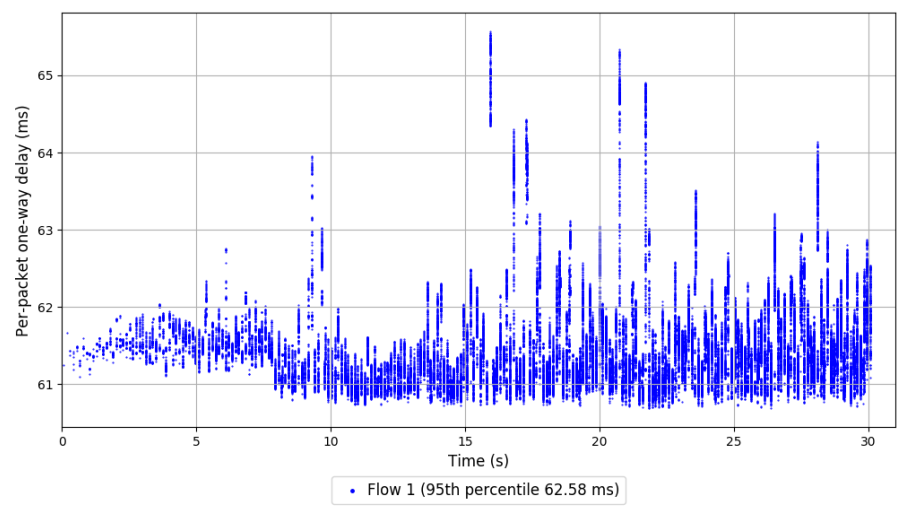
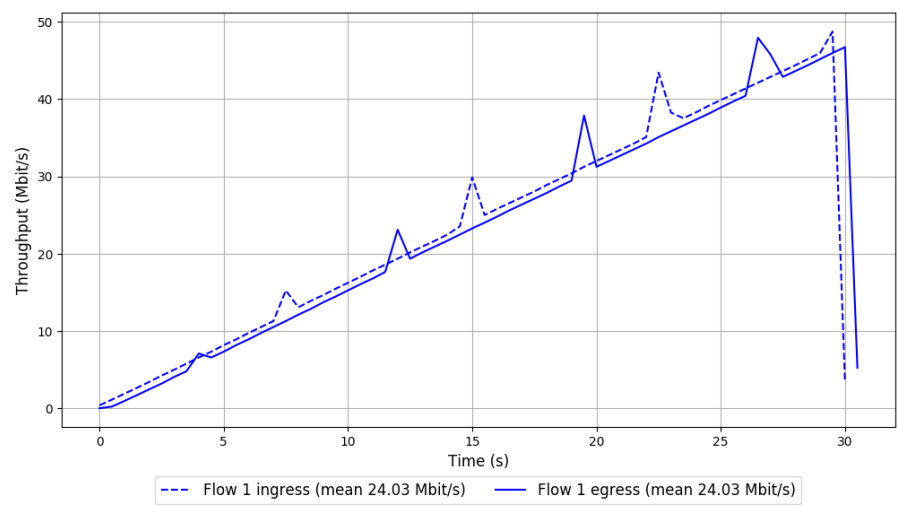


Run 10: Statistics of LEDBAT

Start at: 2018-08-11 04:02:25
End at: 2018-08-11 04:02:55
Local clock offset: -0.383 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-08-11 05:50:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.03 Mbit/s
95th percentile per-packet one-way delay: 62.584 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 24.03 Mbit/s
95th percentile per-packet one-way delay: 62.584 ms
Loss rate: 0.02%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-08-11 00:38:20

End at: 2018-08-11 00:38:50

Local clock offset: 0.408 ms

Remote clock offset: 0.114 ms

Below is generated by plot.py at 2018-08-11 05:55:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 629.91 Mbit/s

95th percentile per-packet one-way delay: 132.893 ms

Loss rate: 0.45%

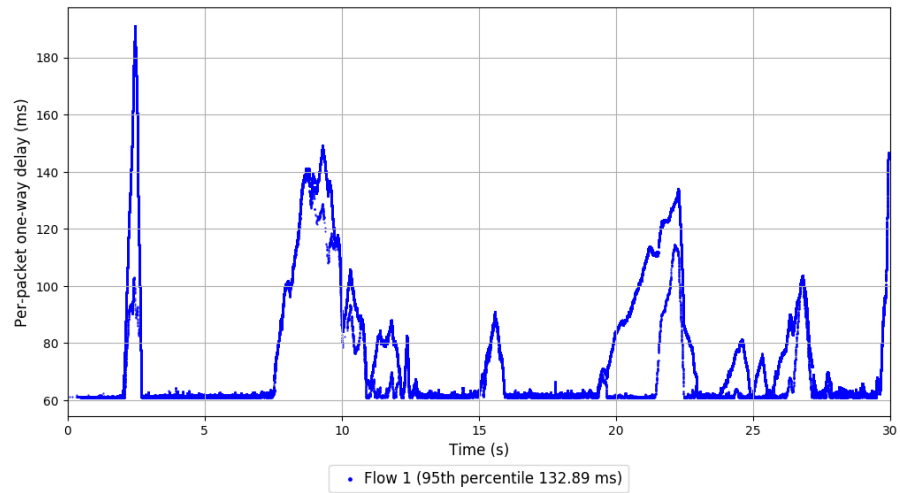
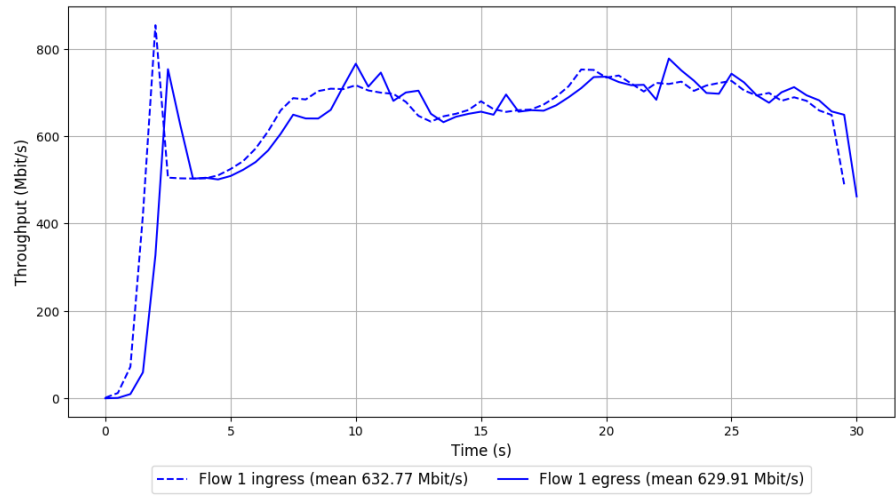
-- Flow 1:

Average throughput: 629.91 Mbit/s

95th percentile per-packet one-way delay: 132.893 ms

Loss rate: 0.45%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-11 01:01:20

End at: 2018-08-11 01:01:50

Local clock offset: 0.271 ms

Remote clock offset: 0.122 ms

Below is generated by plot.py at 2018-08-11 05:55:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 637.90 Mbit/s

95th percentile per-packet one-way delay: 130.154 ms

Loss rate: 0.25%

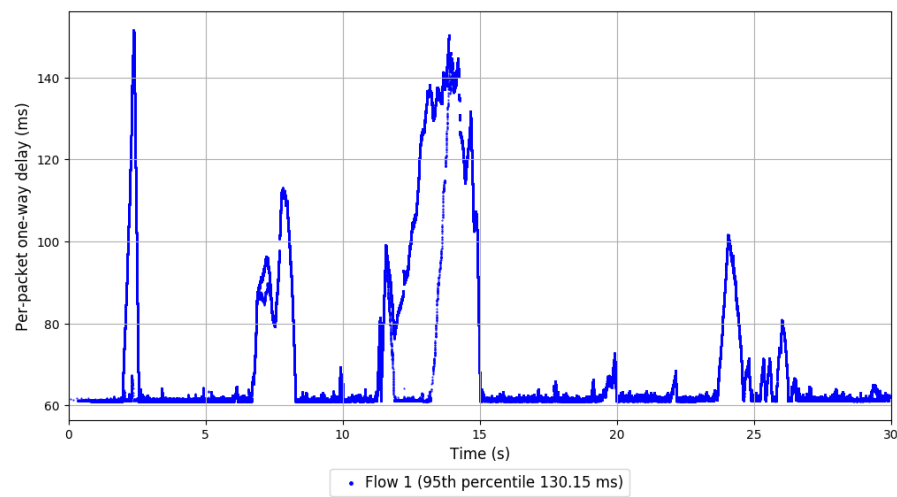
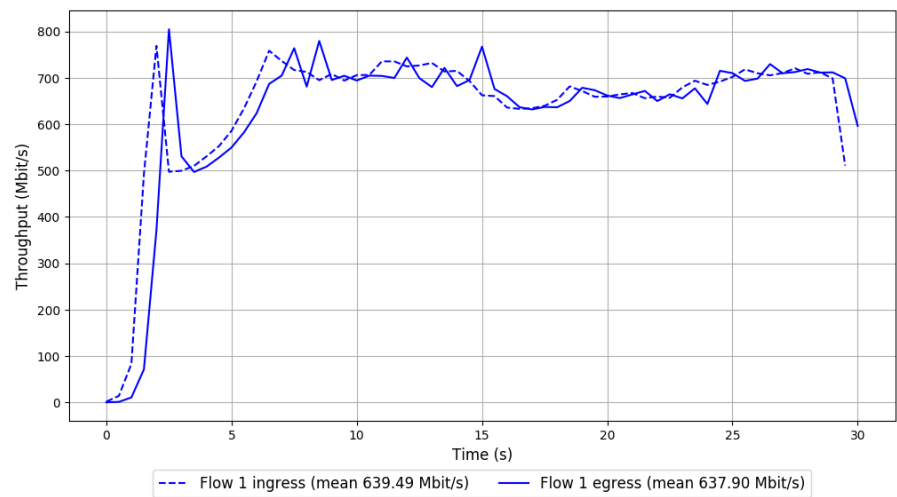
-- Flow 1:

Average throughput: 637.90 Mbit/s

95th percentile per-packet one-way delay: 130.154 ms

Loss rate: 0.25%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-11 01:24:06

End at: 2018-08-11 01:24:37

Local clock offset: 0.162 ms

Remote clock offset: 0.105 ms

Below is generated by plot.py at 2018-08-11 05:55:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 625.11 Mbit/s

95th percentile per-packet one-way delay: 168.478 ms

Loss rate: 1.56%

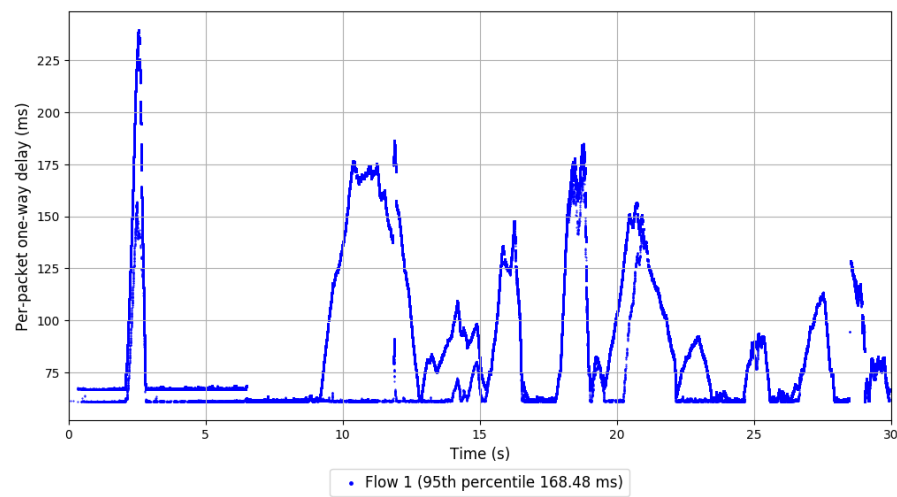
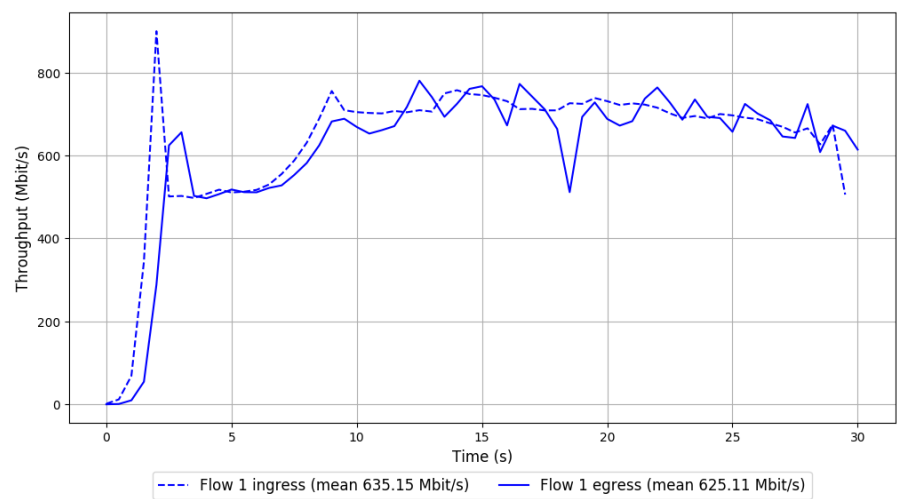
-- Flow 1:

Average throughput: 625.11 Mbit/s

95th percentile per-packet one-way delay: 168.478 ms

Loss rate: 1.56%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-11 01:46:33

End at: 2018-08-11 01:47:03

Local clock offset: 0.289 ms

Remote clock offset: -2.972 ms

Below is generated by plot.py at 2018-08-11 05:55:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 617.94 Mbit/s

95th percentile per-packet one-way delay: 100.766 ms

Loss rate: 0.66%

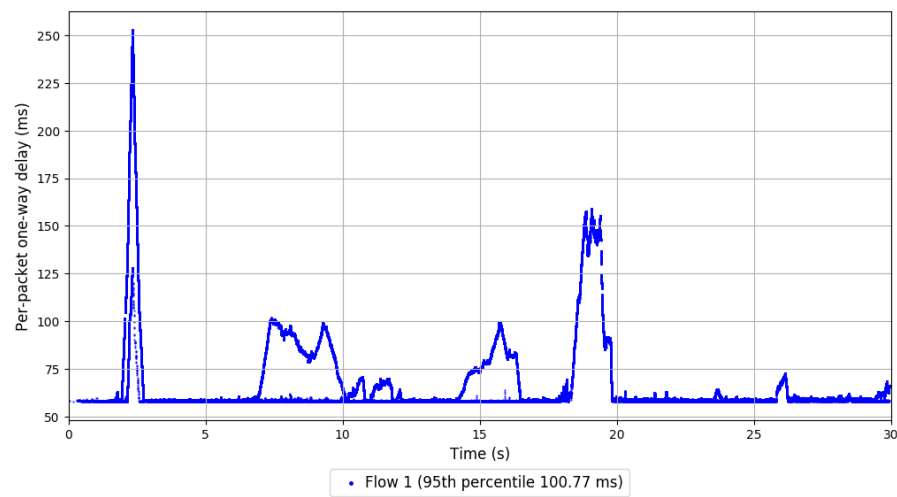
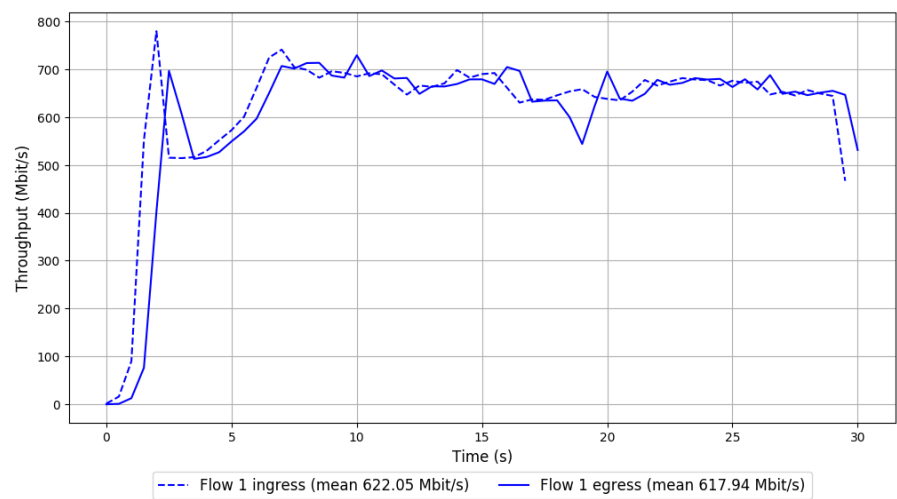
-- Flow 1:

Average throughput: 617.94 Mbit/s

95th percentile per-packet one-way delay: 100.766 ms

Loss rate: 0.66%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-11 02:09:42

End at: 2018-08-11 02:10:12

Local clock offset: 0.497 ms

Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-08-11 05:58:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 603.34 Mbit/s

95th percentile per-packet one-way delay: 135.619 ms

Loss rate: 0.57%

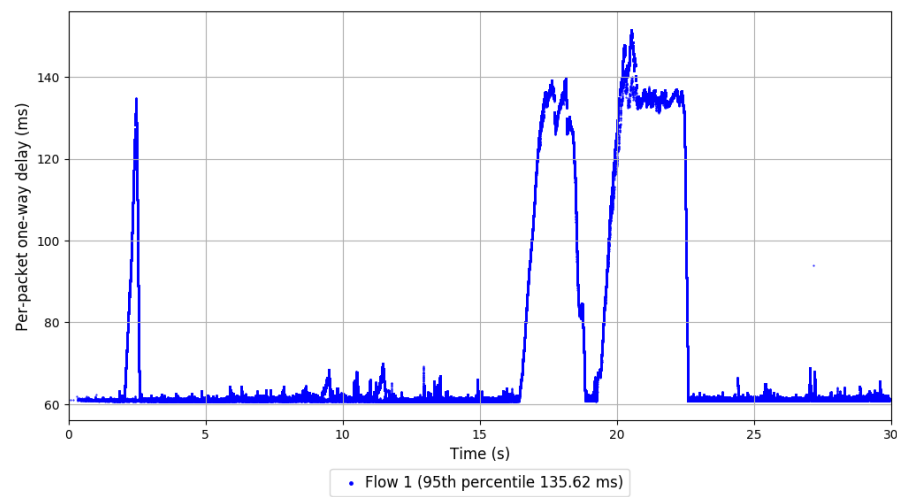
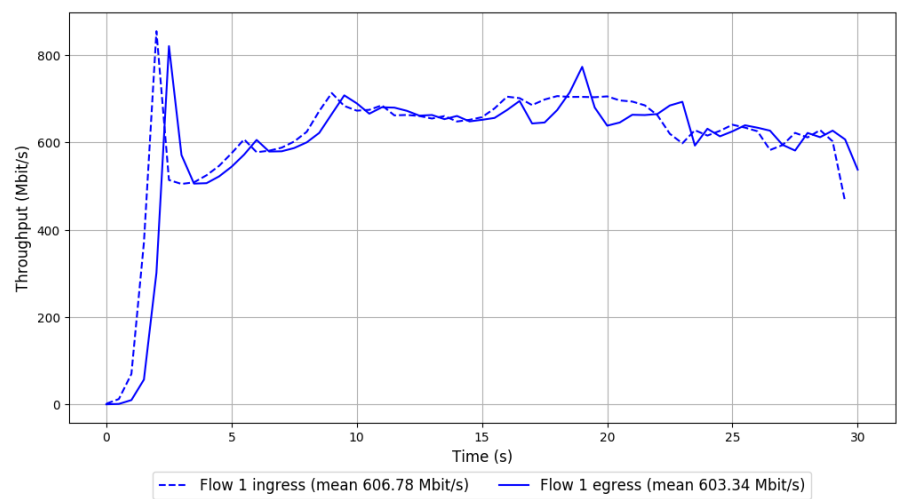
-- Flow 1:

Average throughput: 603.34 Mbit/s

95th percentile per-packet one-way delay: 135.619 ms

Loss rate: 0.57%

Run 5: Report of PCC-Allegro — Data Link

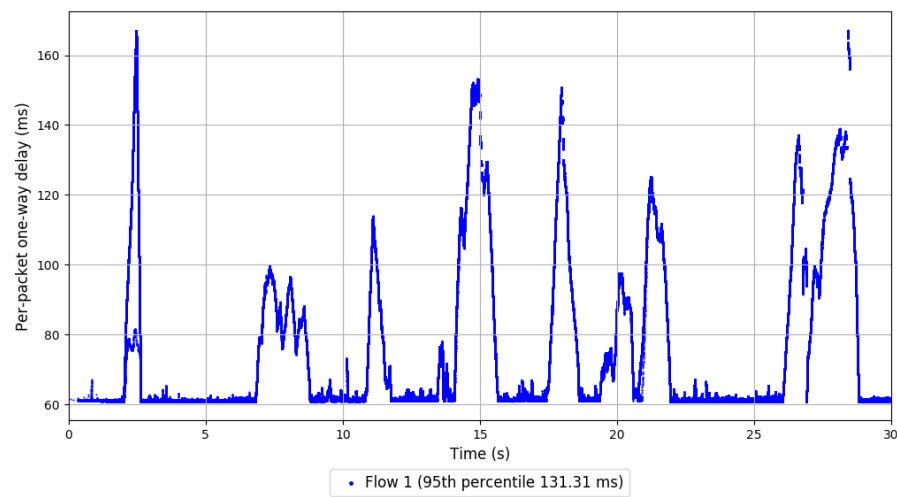
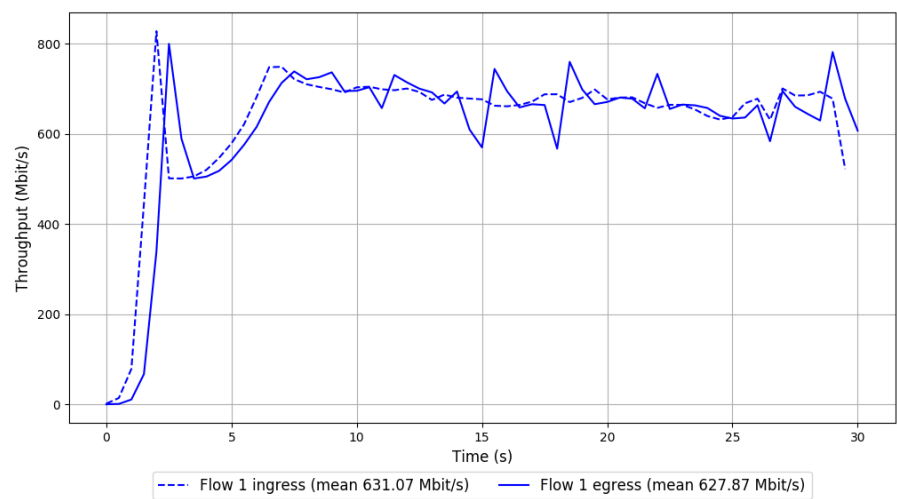


Run 6: Statistics of PCC-Allegro

Start at: 2018-08-11 02:32:41
End at: 2018-08-11 02:33:11
Local clock offset: 0.692 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-08-11 05:59:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 627.87 Mbit/s
95th percentile per-packet one-way delay: 131.305 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 627.87 Mbit/s
95th percentile per-packet one-way delay: 131.305 ms
Loss rate: 0.51%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-08-11 02:55:33

End at: 2018-08-11 02:56:03

Local clock offset: 0.802 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-08-11 05:59:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 572.26 Mbit/s

95th percentile per-packet one-way delay: 93.778 ms

Loss rate: 1.12%

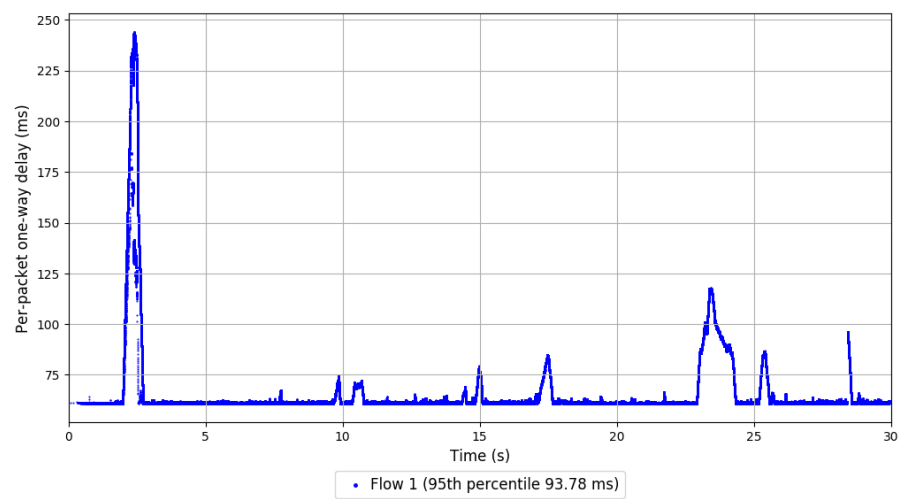
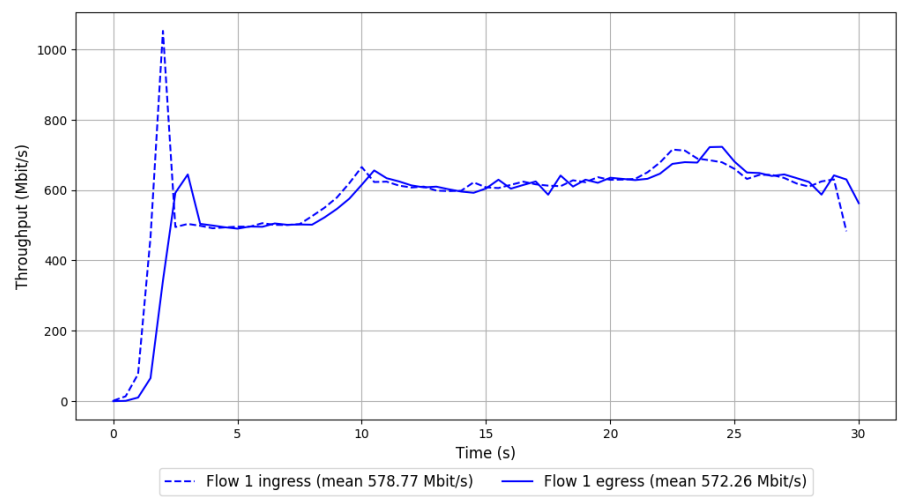
-- Flow 1:

Average throughput: 572.26 Mbit/s

95th percentile per-packet one-way delay: 93.778 ms

Loss rate: 1.12%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

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

End at: 2018-08-11 03:18:24

Local clock offset: 0.252 ms

Remote clock offset: 2.741 ms

Below is generated by plot.py at 2018-08-11 06:02:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 609.96 Mbit/s

95th percentile per-packet one-way delay: 139.693 ms

Loss rate: 0.66%

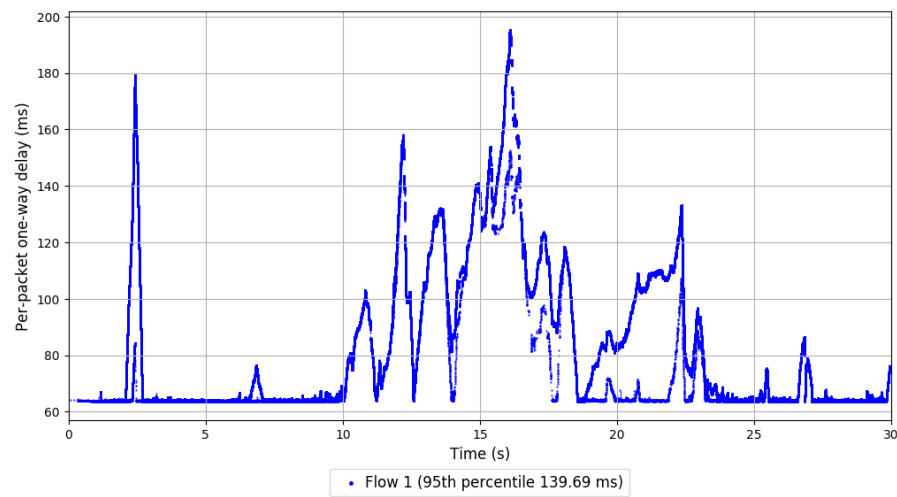
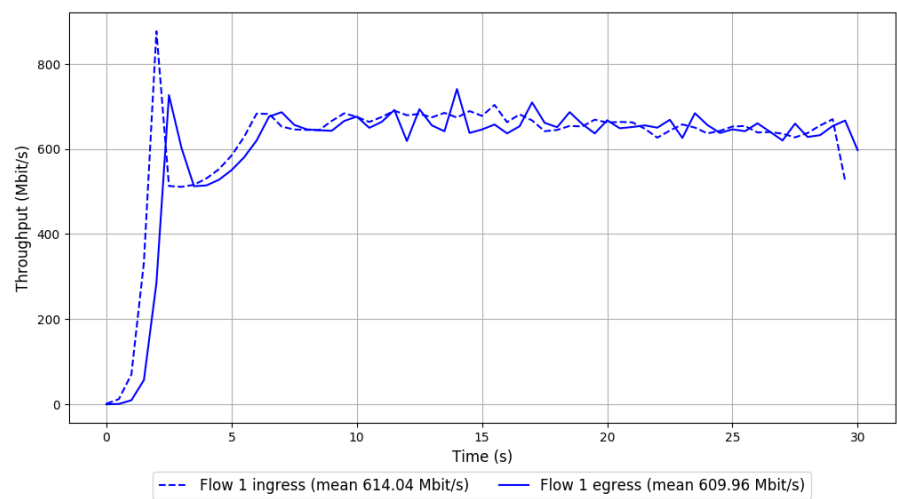
-- Flow 1:

Average throughput: 609.96 Mbit/s

95th percentile per-packet one-way delay: 139.693 ms

Loss rate: 0.66%

Run 8: Report of PCC-Allegro — Data Link

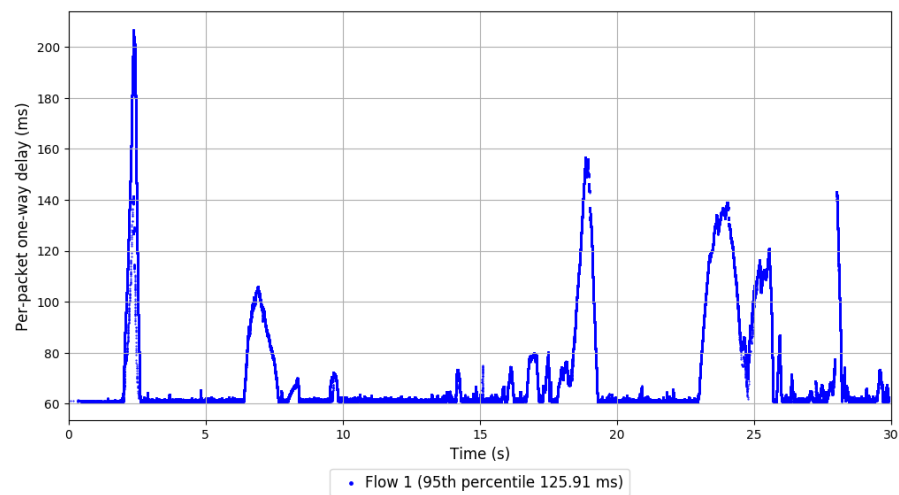
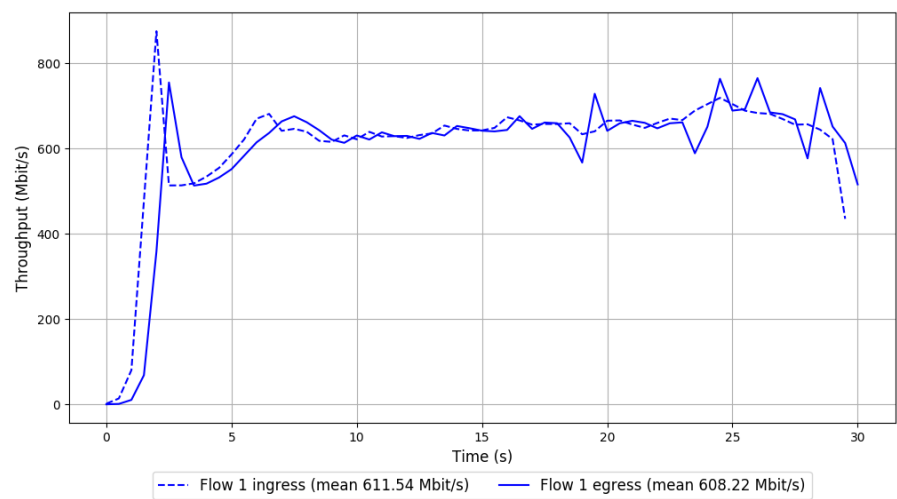


Run 9: Statistics of PCC-Allegro

Start at: 2018-08-11 03:40:51
End at: 2018-08-11 03:41:21
Local clock offset: -0.241 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-08-11 06:05:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 608.22 Mbit/s
95th percentile per-packet one-way delay: 125.912 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 608.22 Mbit/s
95th percentile per-packet one-way delay: 125.912 ms
Loss rate: 0.55%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-08-11 04:03:33

End at: 2018-08-11 04:04:03

Local clock offset: -0.454 ms

Remote clock offset: 0.818 ms

Below is generated by plot.py at 2018-08-11 06:05:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 574.33 Mbit/s

95th percentile per-packet one-way delay: 154.612 ms

Loss rate: 0.16%

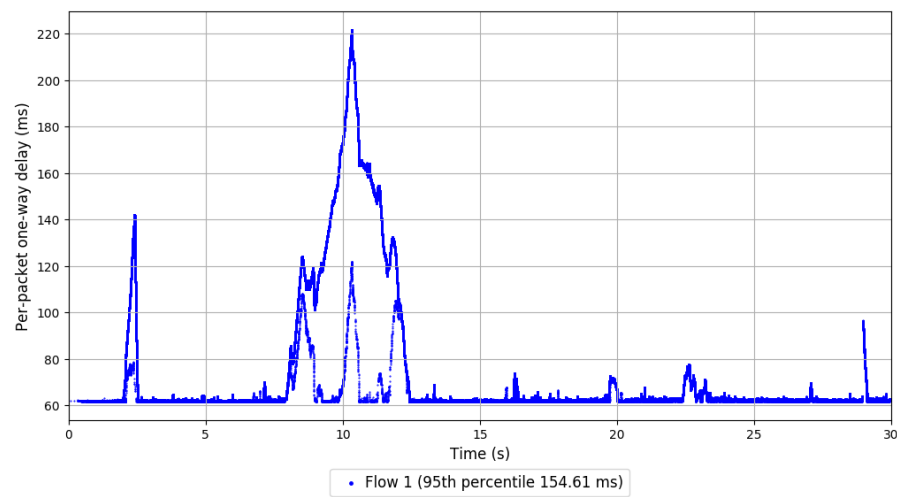
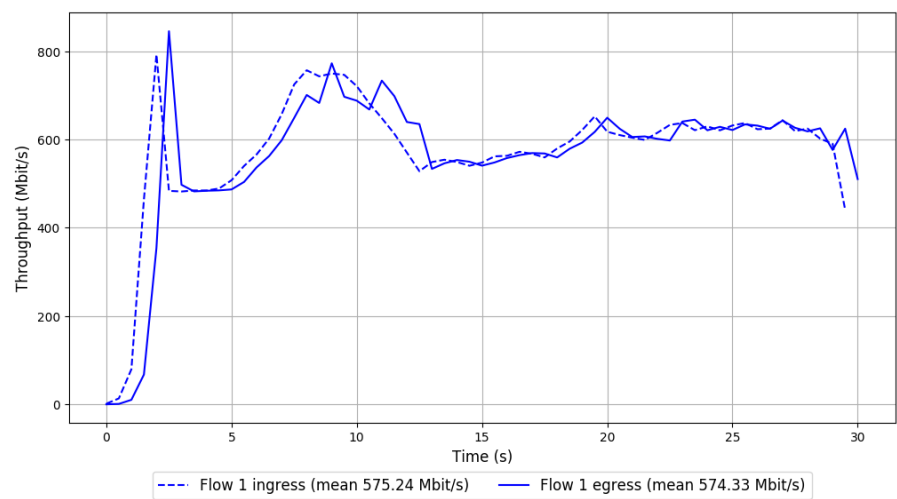
-- Flow 1:

Average throughput: 574.33 Mbit/s

95th percentile per-packet one-way delay: 154.612 ms

Loss rate: 0.16%

Run 10: Report of PCC-Allegro — Data Link

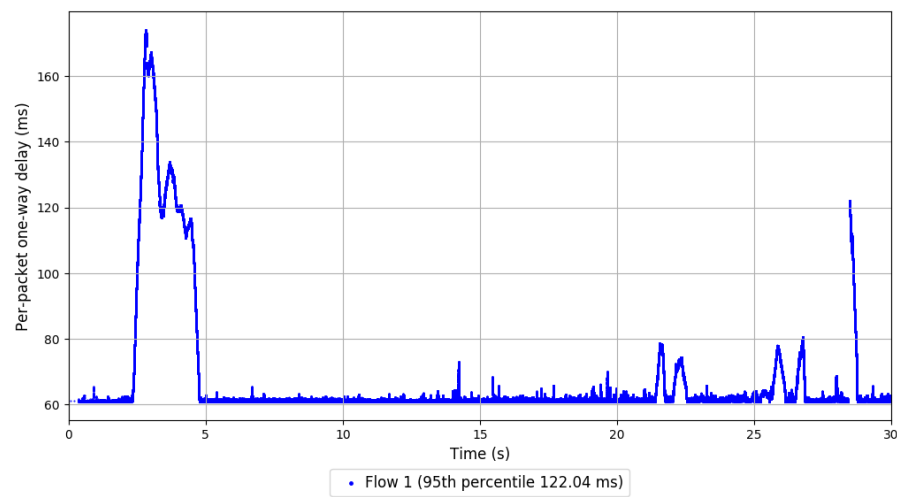
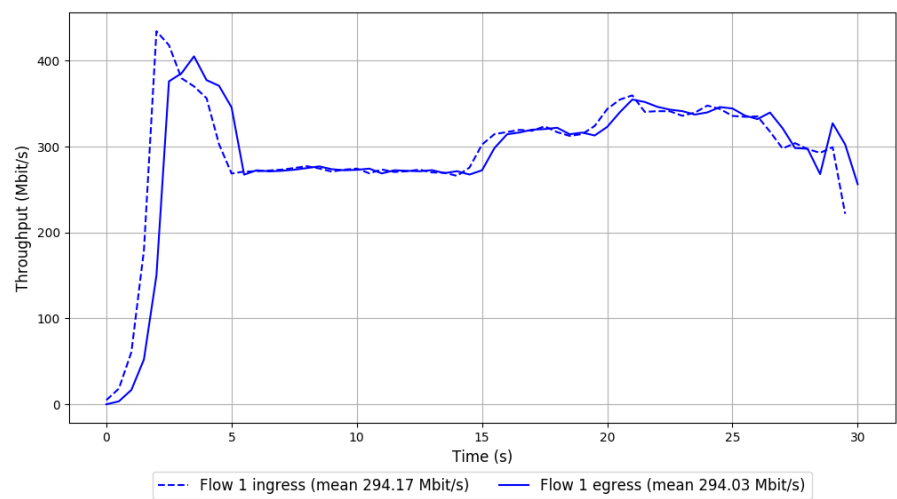


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-11 00:51:31
End at: 2018-08-11 00:52:01
Local clock offset: 0.61 ms
Remote clock offset: 0.117 ms

# Below is generated by plot.py at 2018-08-11 06:05:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 294.03 Mbit/s
95th percentile per-packet one-way delay: 122.041 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 294.03 Mbit/s
95th percentile per-packet one-way delay: 122.041 ms
Loss rate: 0.05%
```

Run 1: Report of PCC-Expr — Data Link

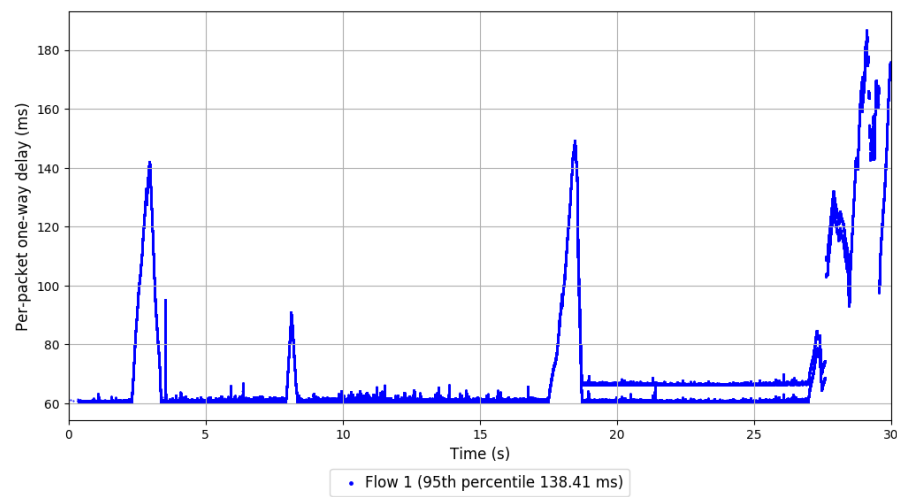
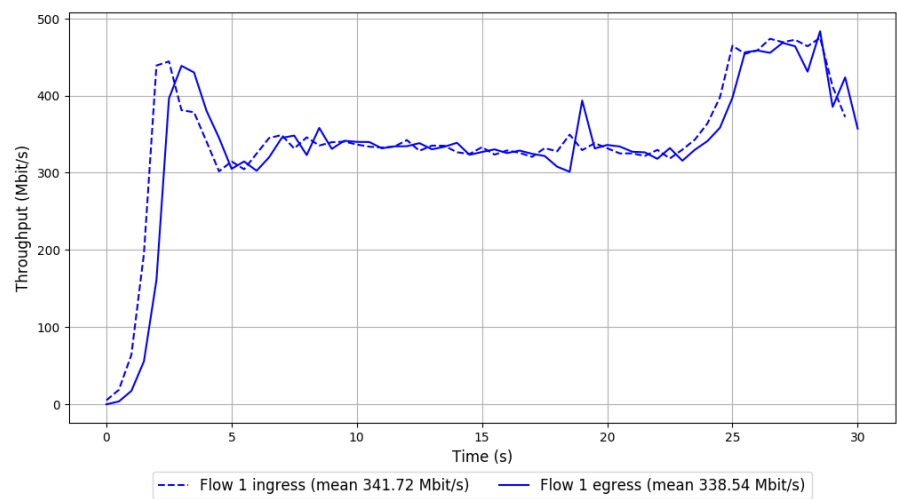


Run 2: Statistics of PCC-Expr

Start at: 2018-08-11 01:14:15
End at: 2018-08-11 01:14:45
Local clock offset: 0.248 ms
Remote clock offset: -0.152 ms

Below is generated by plot.py at 2018-08-11 06:07:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 338.54 Mbit/s
95th percentile per-packet one-way delay: 138.408 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 338.54 Mbit/s
95th percentile per-packet one-way delay: 138.408 ms
Loss rate: 0.91%

Run 2: Report of PCC-Expr — Data Link

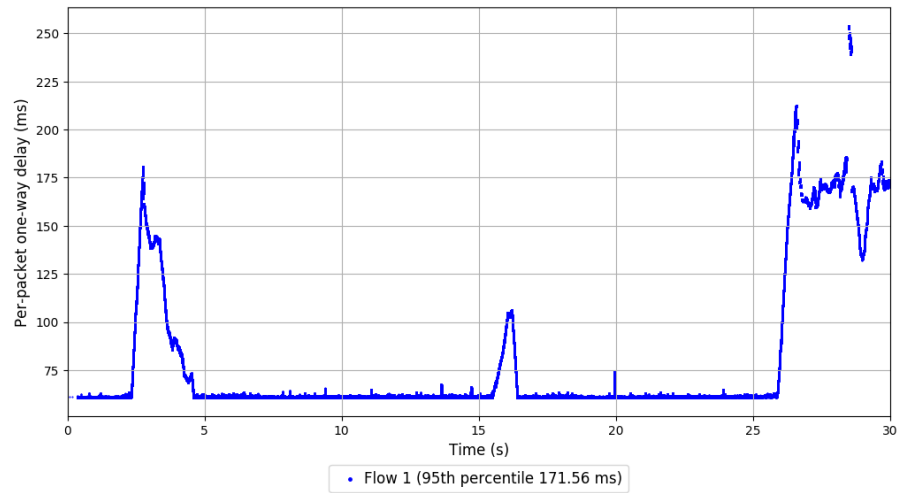
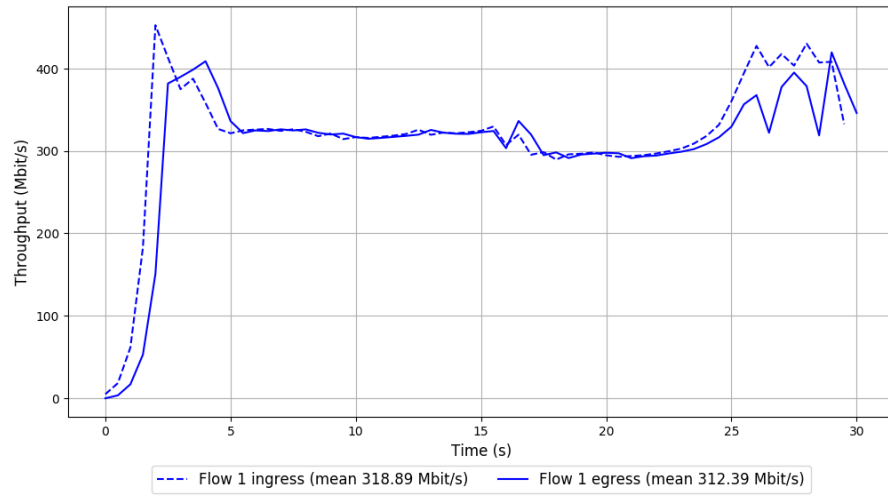


Run 3: Statistics of PCC-Expr

Start at: 2018-08-11 01:36:46
End at: 2018-08-11 01:37:16
Local clock offset: 0.264 ms
Remote clock offset: -0.167 ms

Below is generated by plot.py at 2018-08-11 06:09:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 312.39 Mbit/s
95th percentile per-packet one-way delay: 171.557 ms
Loss rate: 2.04%
-- Flow 1:
Average throughput: 312.39 Mbit/s
95th percentile per-packet one-way delay: 171.557 ms
Loss rate: 2.04%

Run 3: Report of PCC-Expr — Data Link

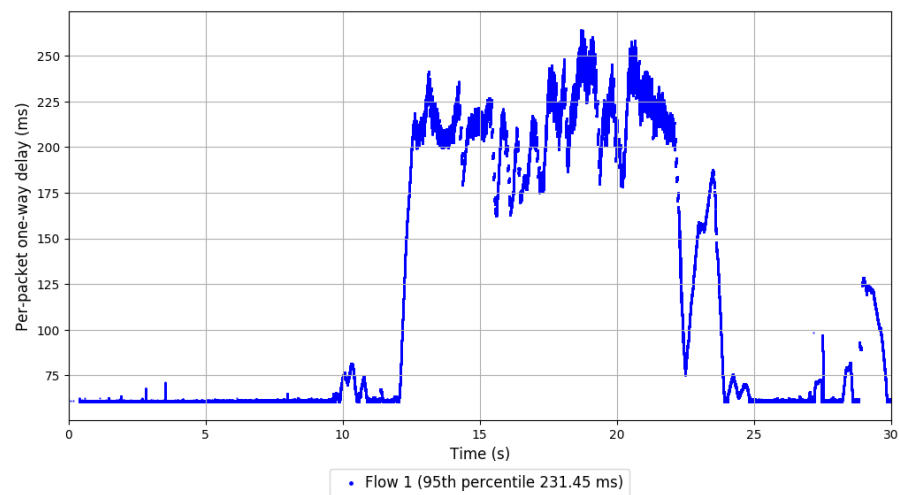
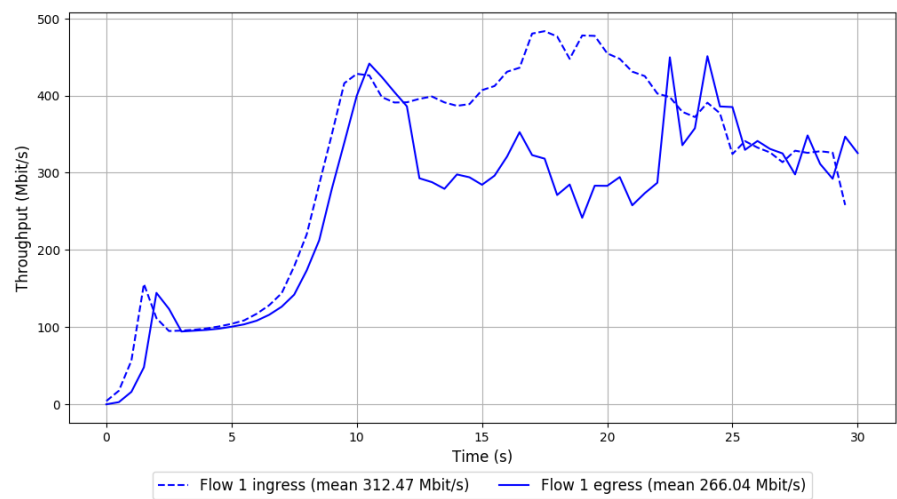


Run 4: Statistics of PCC-Expr

Start at: 2018-08-11 01:59:51
End at: 2018-08-11 02:00:21
Local clock offset: 0.421 ms
Remote clock offset: -0.224 ms

Below is generated by plot.py at 2018-08-11 06:09:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 266.04 Mbit/s
95th percentile per-packet one-way delay: 231.448 ms
Loss rate: 14.86%
-- Flow 1:
Average throughput: 266.04 Mbit/s
95th percentile per-packet one-way delay: 231.448 ms
Loss rate: 14.86%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-08-11 02:22:52

End at: 2018-08-11 02:23:22

Local clock offset: 0.623 ms

Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-08-11 06:09:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 279.92 Mbit/s

95th percentile per-packet one-way delay: 72.592 ms

Loss rate: 0.00%

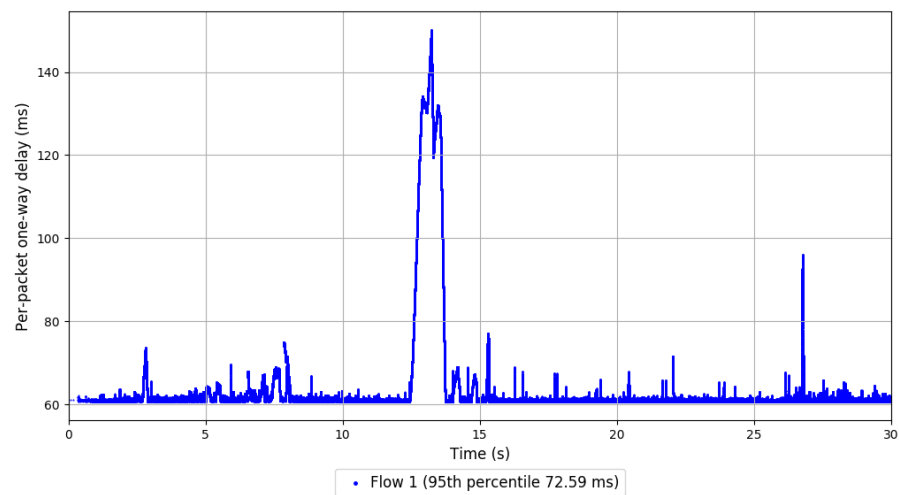
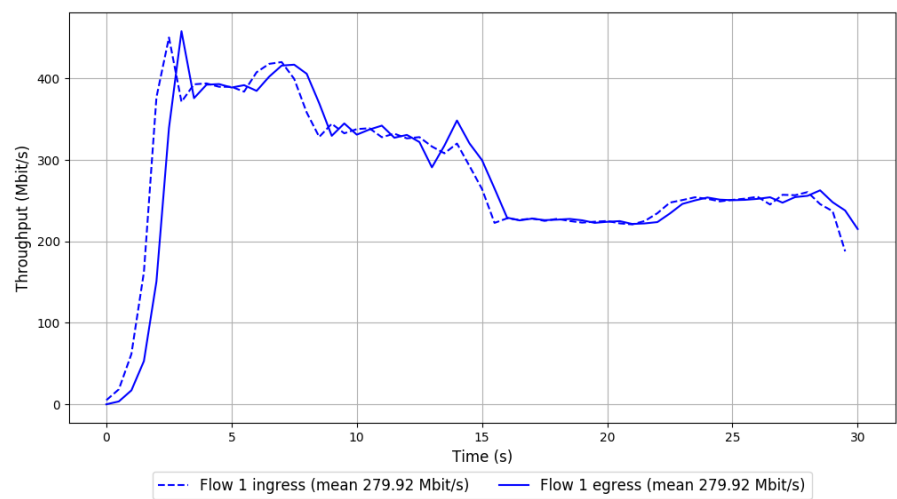
-- Flow 1:

Average throughput: 279.92 Mbit/s

95th percentile per-packet one-way delay: 72.592 ms

Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-08-11 02:45:47

End at: 2018-08-11 02:46:17

Local clock offset: 0.708 ms

Remote clock offset: 0.082 ms

Below is generated by plot.py at 2018-08-11 06:11:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 268.58 Mbit/s

95th percentile per-packet one-way delay: 84.761 ms

Loss rate: 0.00%

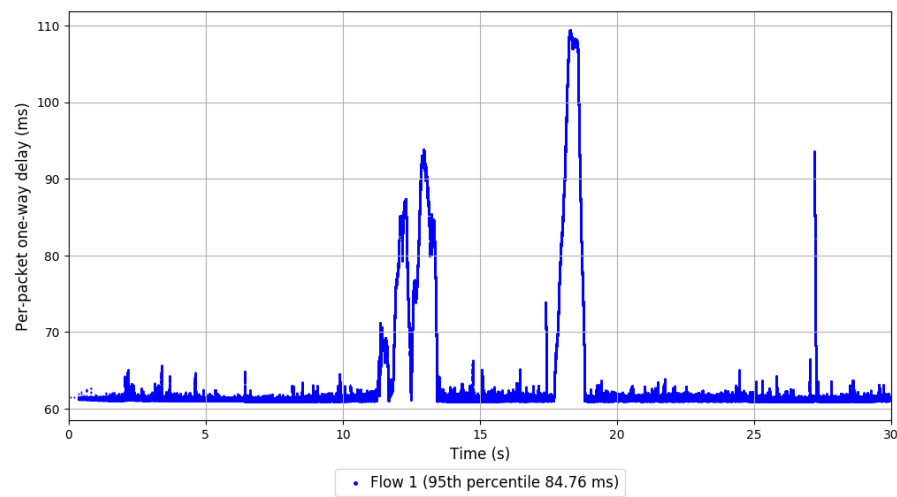
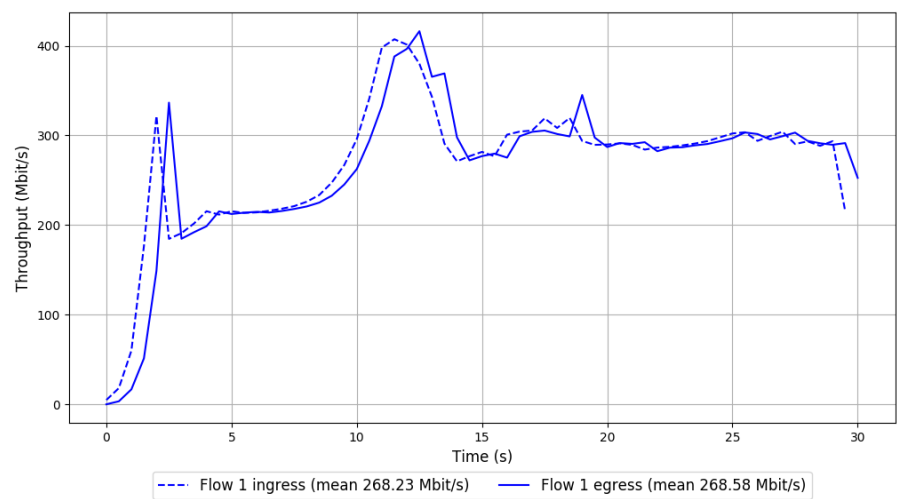
-- Flow 1:

Average throughput: 268.58 Mbit/s

95th percentile per-packet one-way delay: 84.761 ms

Loss rate: 0.00%

Run 6: Report of PCC-Expr — Data Link

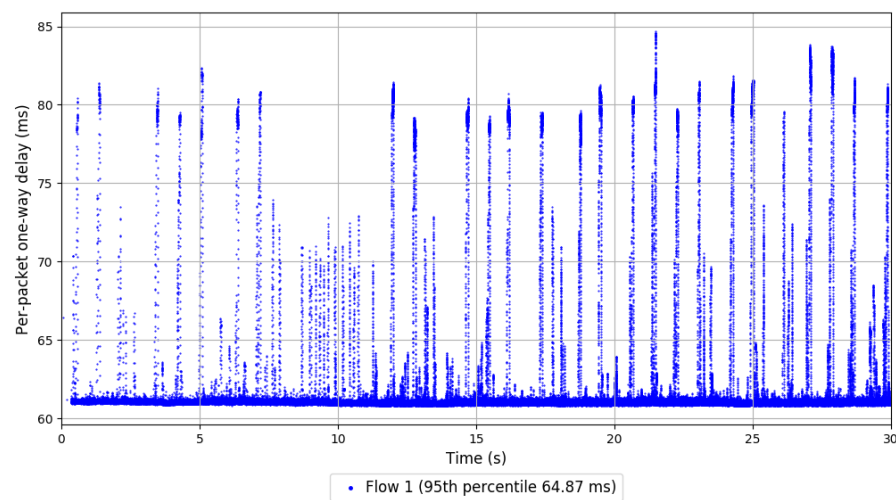
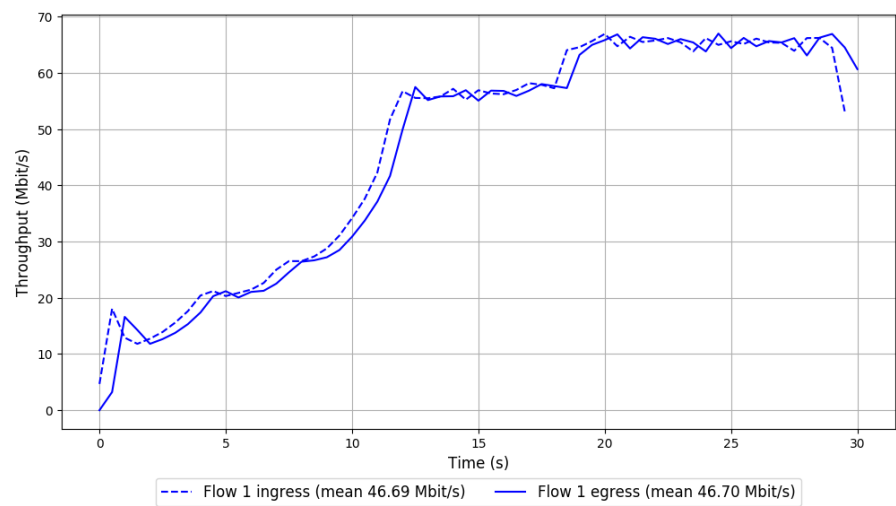


Run 7: Statistics of PCC-Expr

Start at: 2018-08-11 03:08:30
End at: 2018-08-11 03:09:00
Local clock offset: 0.859 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-08-11 06:11:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 46.70 Mbit/s
95th percentile per-packet one-way delay: 64.872 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.70 Mbit/s
95th percentile per-packet one-way delay: 64.872 ms
Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-08-11 03:31:00

End at: 2018-08-11 03:31:30

Local clock offset: -0.104 ms

Remote clock offset: 2.969 ms

Below is generated by plot.py at 2018-08-11 06:16:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 307.05 Mbit/s

95th percentile per-packet one-way delay: 141.183 ms

Loss rate: 0.23%

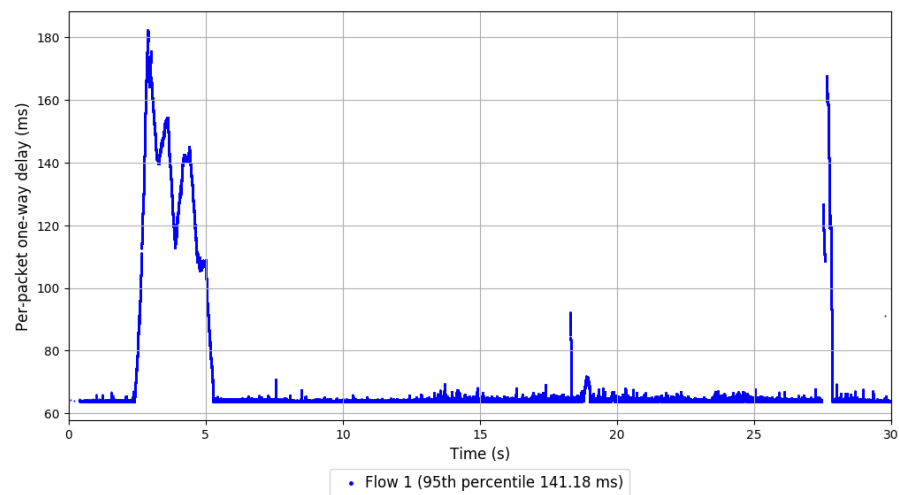
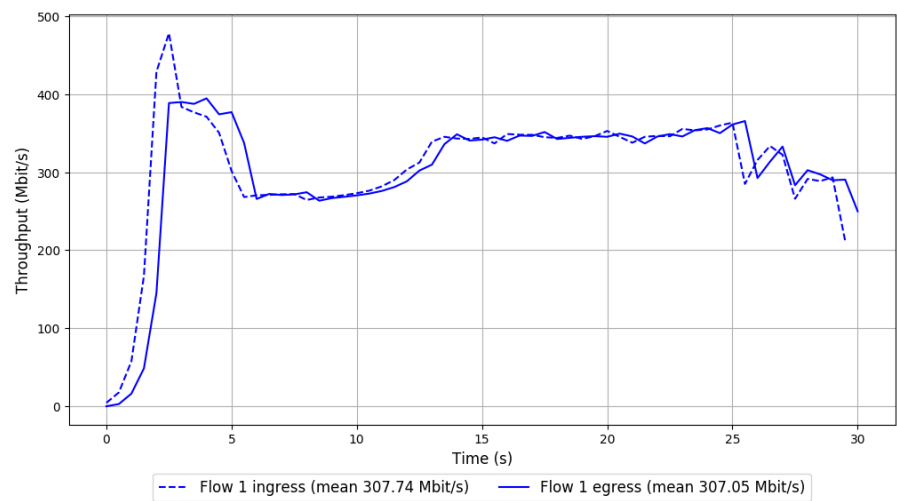
-- Flow 1:

Average throughput: 307.05 Mbit/s

95th percentile per-packet one-way delay: 141.183 ms

Loss rate: 0.23%

Run 8: Report of PCC-Expr — Data Link

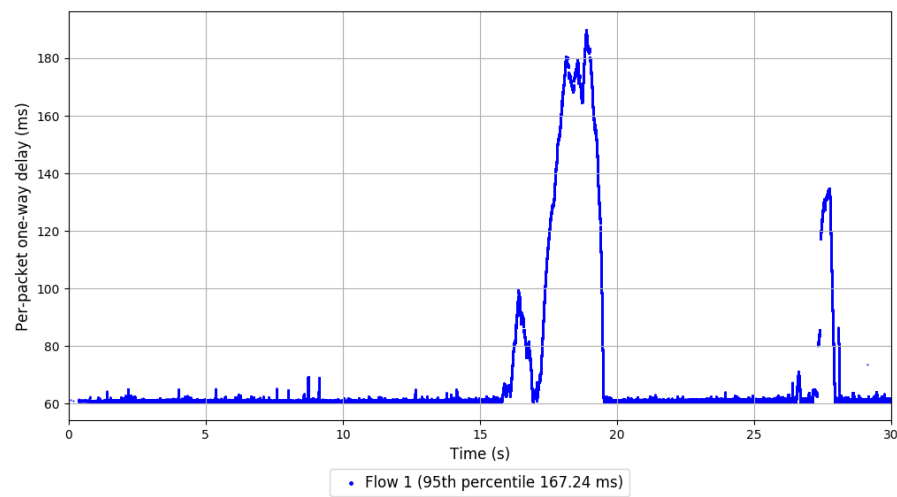
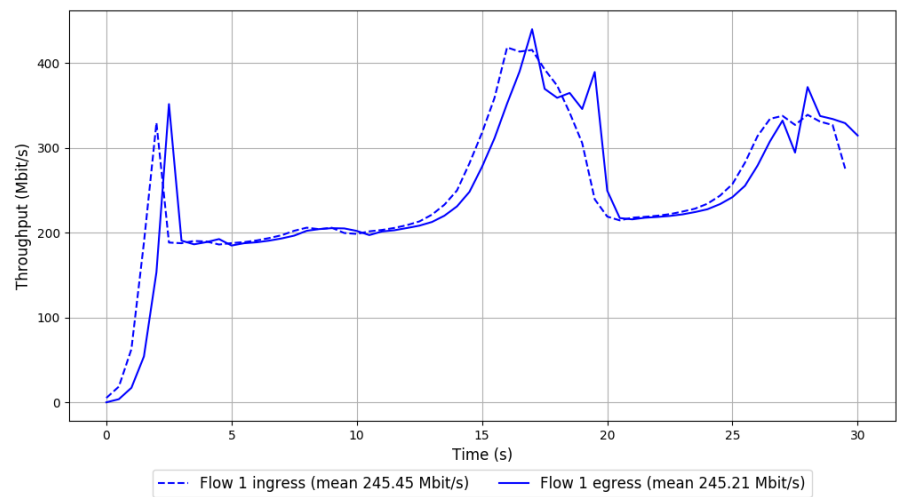


Run 9: Statistics of PCC-Expr

Start at: 2018-08-11 03:53:50
End at: 2018-08-11 03:54:20
Local clock offset: -0.313 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-08-11 06:16:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 245.21 Mbit/s
95th percentile per-packet one-way delay: 167.236 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 245.21 Mbit/s
95th percentile per-packet one-way delay: 167.236 ms
Loss rate: 0.10%

Run 9: Report of PCC-Expr — Data Link

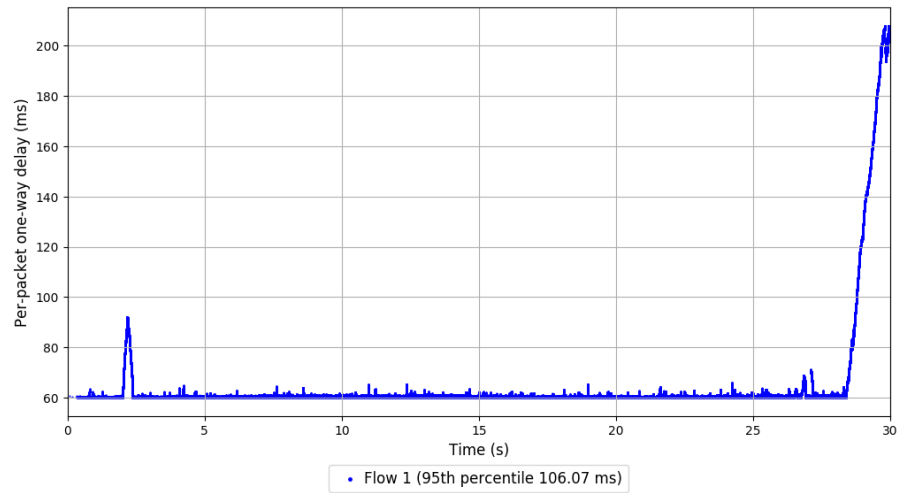
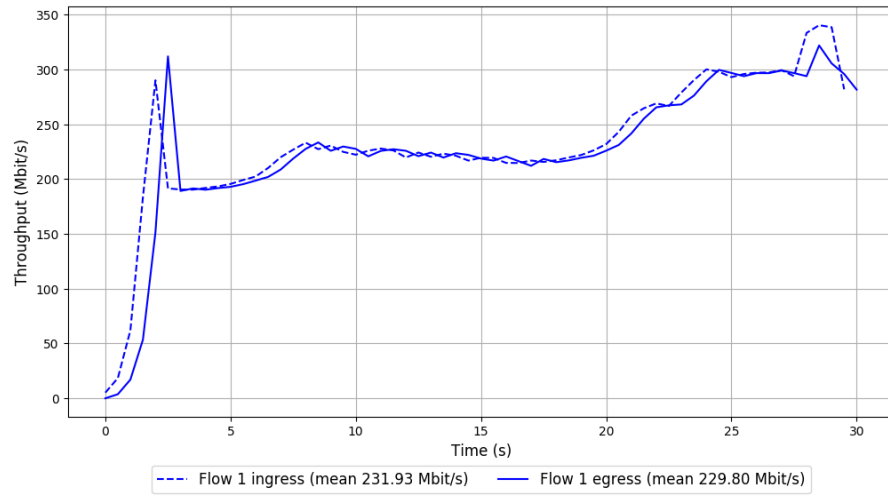


Run 10: Statistics of PCC-Expr

Start at: 2018-08-11 04:16:26
End at: 2018-08-11 04:16:56
Local clock offset: -0.476 ms
Remote clock offset: -0.664 ms

Below is generated by plot.py at 2018-08-11 06:16:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 229.80 Mbit/s
95th percentile per-packet one-way delay: 106.073 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 229.80 Mbit/s
95th percentile per-packet one-way delay: 106.073 ms
Loss rate: 0.91%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

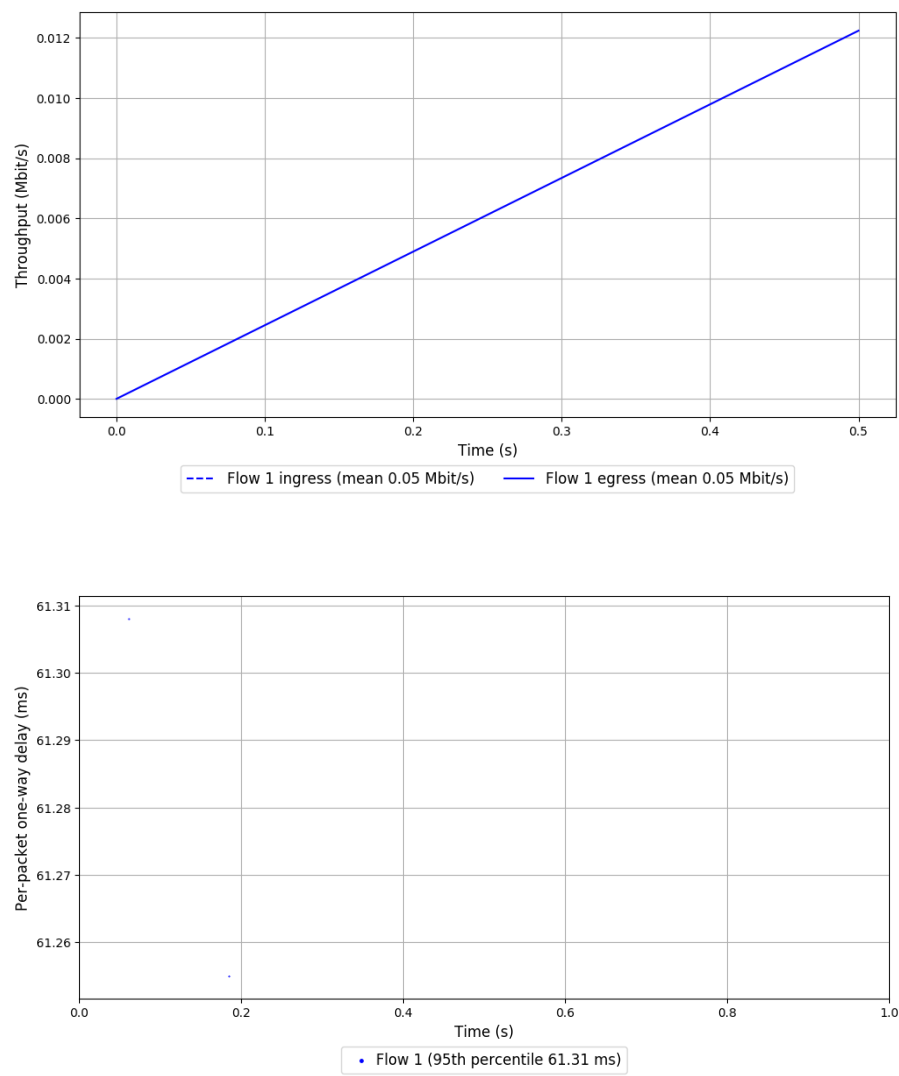
Start at: 2018-08-11 00:41:23

End at: 2018-08-11 00:41:53

Local clock offset: 0.468 ms

Remote clock offset: 0.152 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

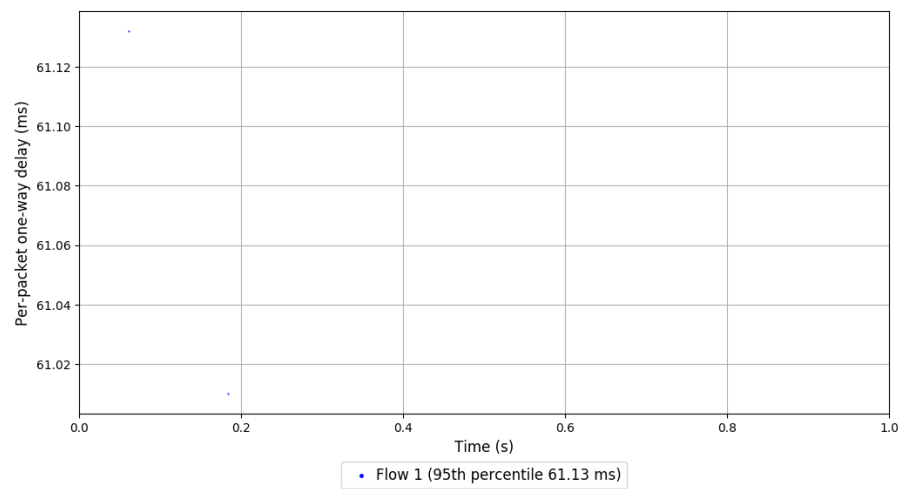
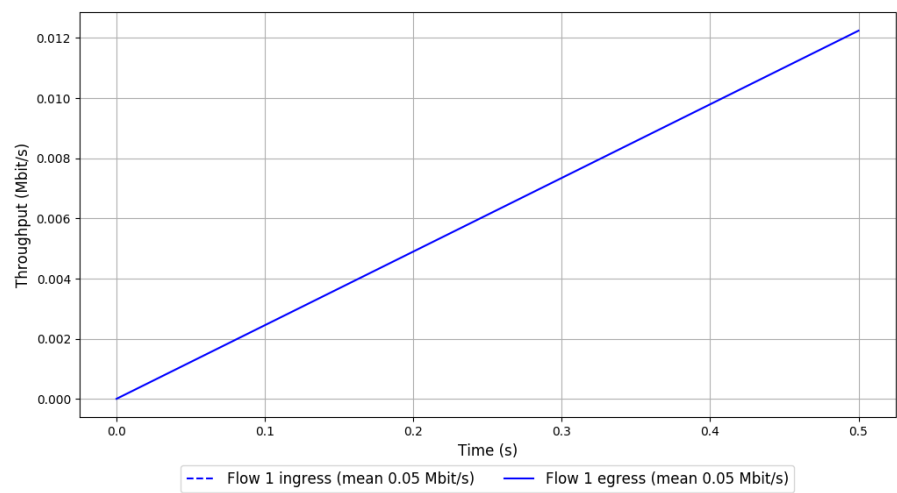
Start at: 2018-08-11 01:04:22

End at: 2018-08-11 01:04:52

Local clock offset: 0.254 ms

Remote clock offset: 0.064 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

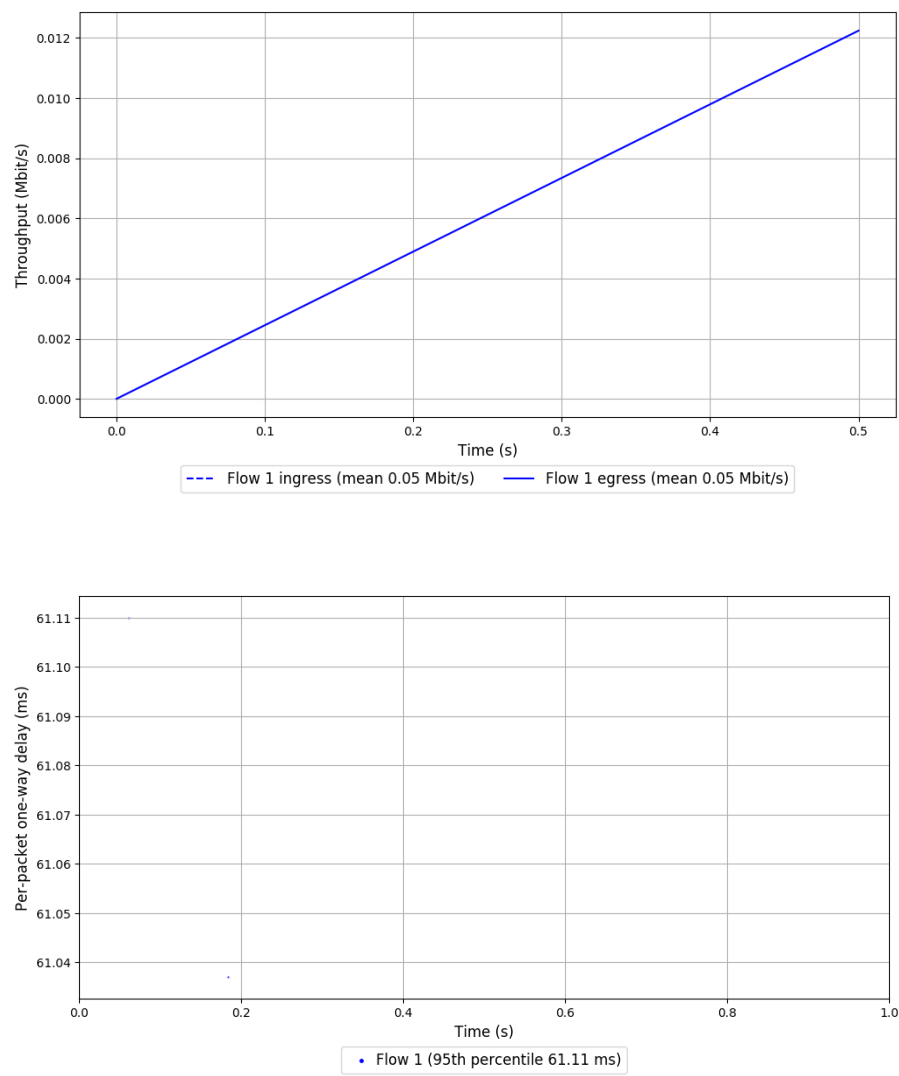
Start at: 2018-08-11 01:27:08

End at: 2018-08-11 01:27:38

Local clock offset: 0.231 ms

Remote clock offset: 0.049 ms

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

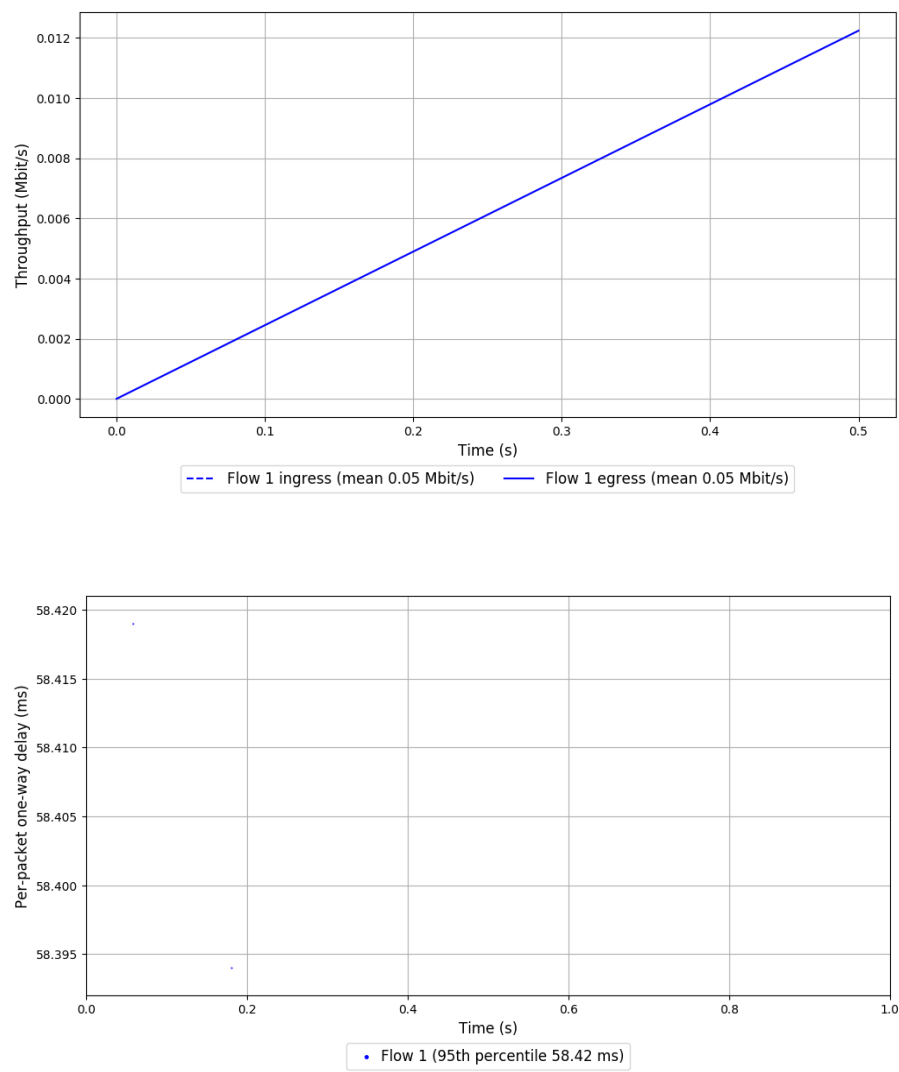
Start at: 2018-08-11 01:49:35

End at: 2018-08-11 01:50:05

Local clock offset: 0.337 ms

Remote clock offset: -2.825 ms

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-08-11 02:12:42

End at: 2018-08-11 02:13:12

Local clock offset: 0.541 ms

Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-08-11 06:16:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.64 Mbit/s

95th percentile per-packet one-way delay: 61.297 ms

Loss rate: 0.00%

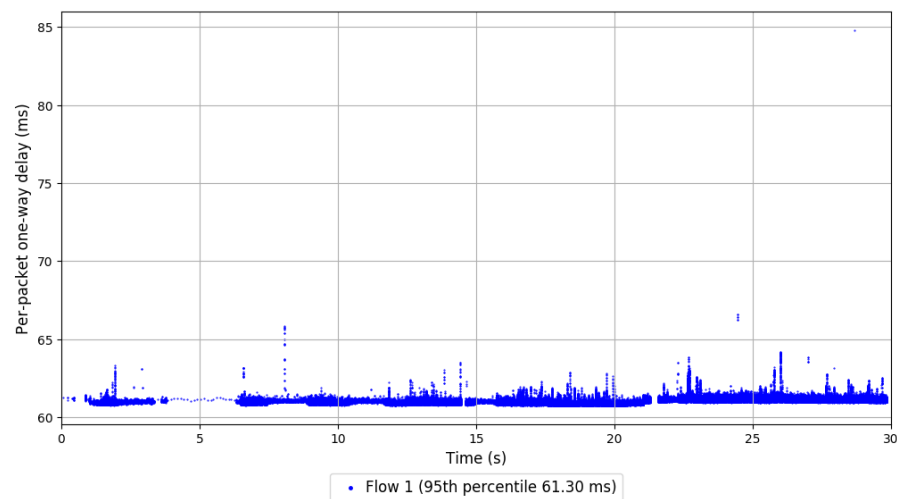
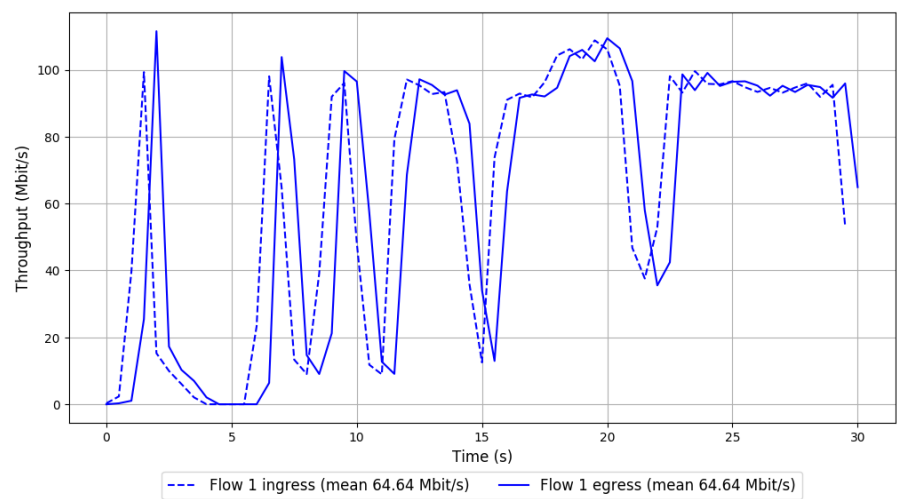
-- Flow 1:

Average throughput: 64.64 Mbit/s

95th percentile per-packet one-way delay: 61.297 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

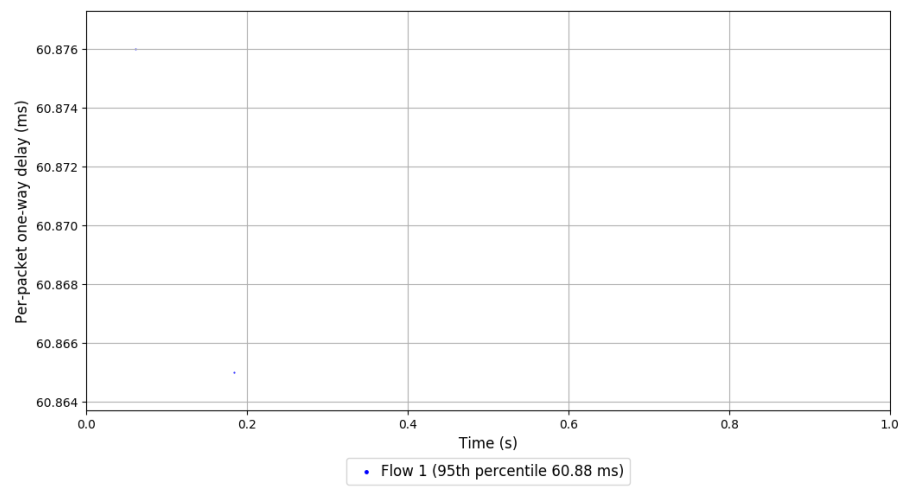
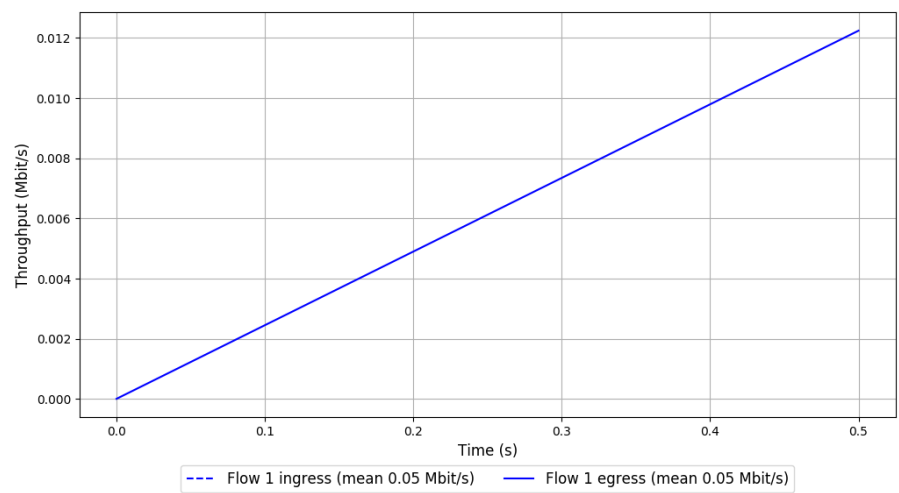
Start at: 2018-08-11 02:35:42

End at: 2018-08-11 02:36:12

Local clock offset: 0.651 ms

Remote clock offset: -0.218 ms

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

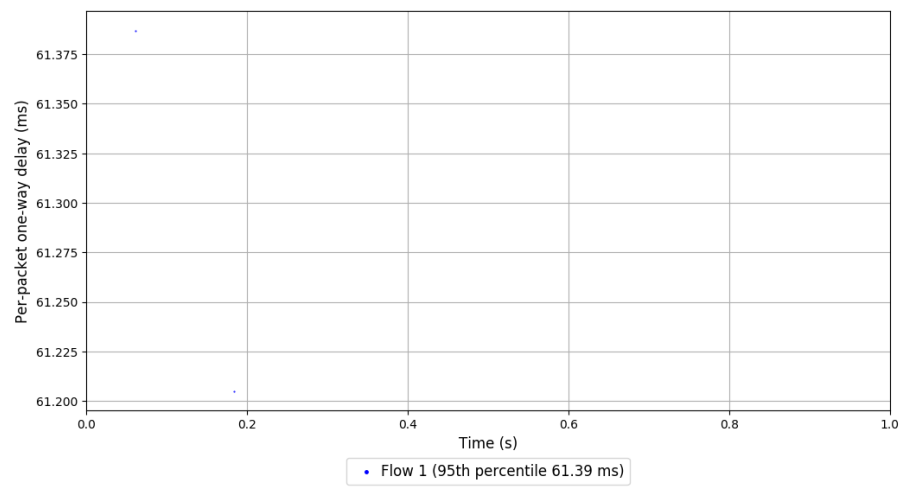
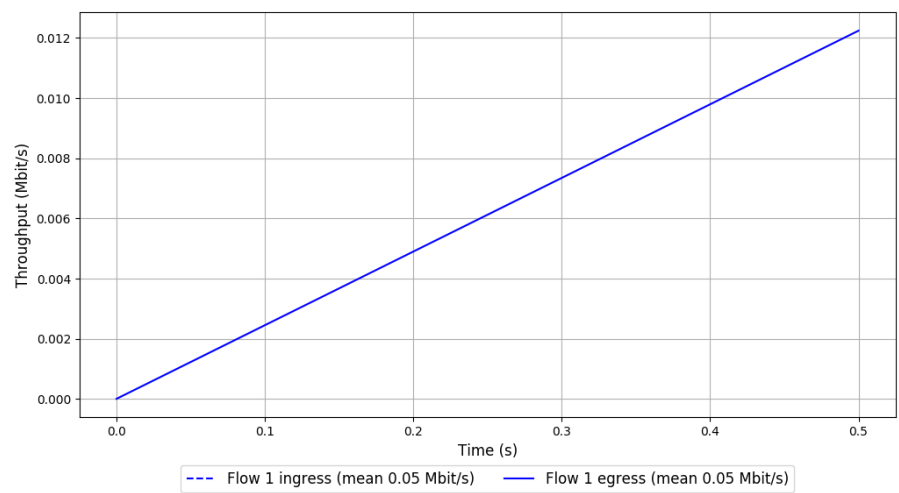
Start at: 2018-08-11 02:58:30

End at: 2018-08-11 02:59:00

Local clock offset: 0.767 ms

Remote clock offset: -0.081 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-08-11 03:20:49

End at: 2018-08-11 03:21:19

Local clock offset: 0.181 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-08-11 06:16:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.68 Mbit/s

95th percentile per-packet one-way delay: 61.096 ms

Loss rate: 0.00%

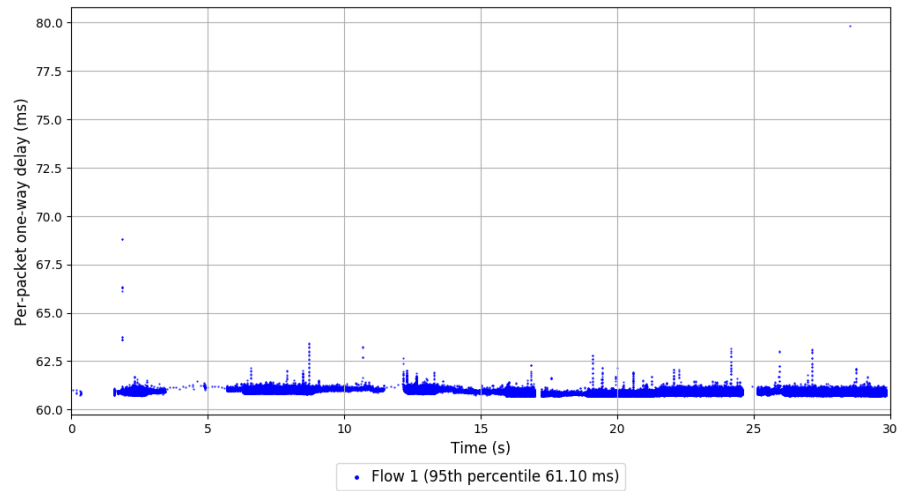
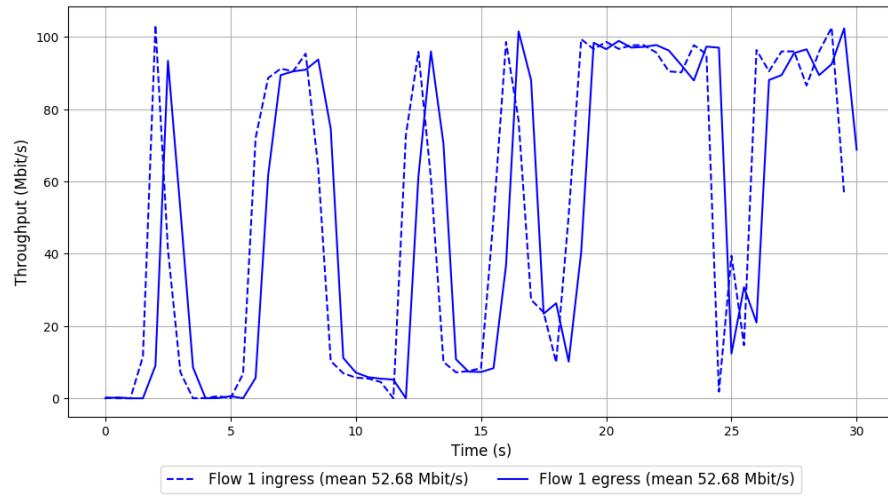
-- Flow 1:

Average throughput: 52.68 Mbit/s

95th percentile per-packet one-way delay: 61.096 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

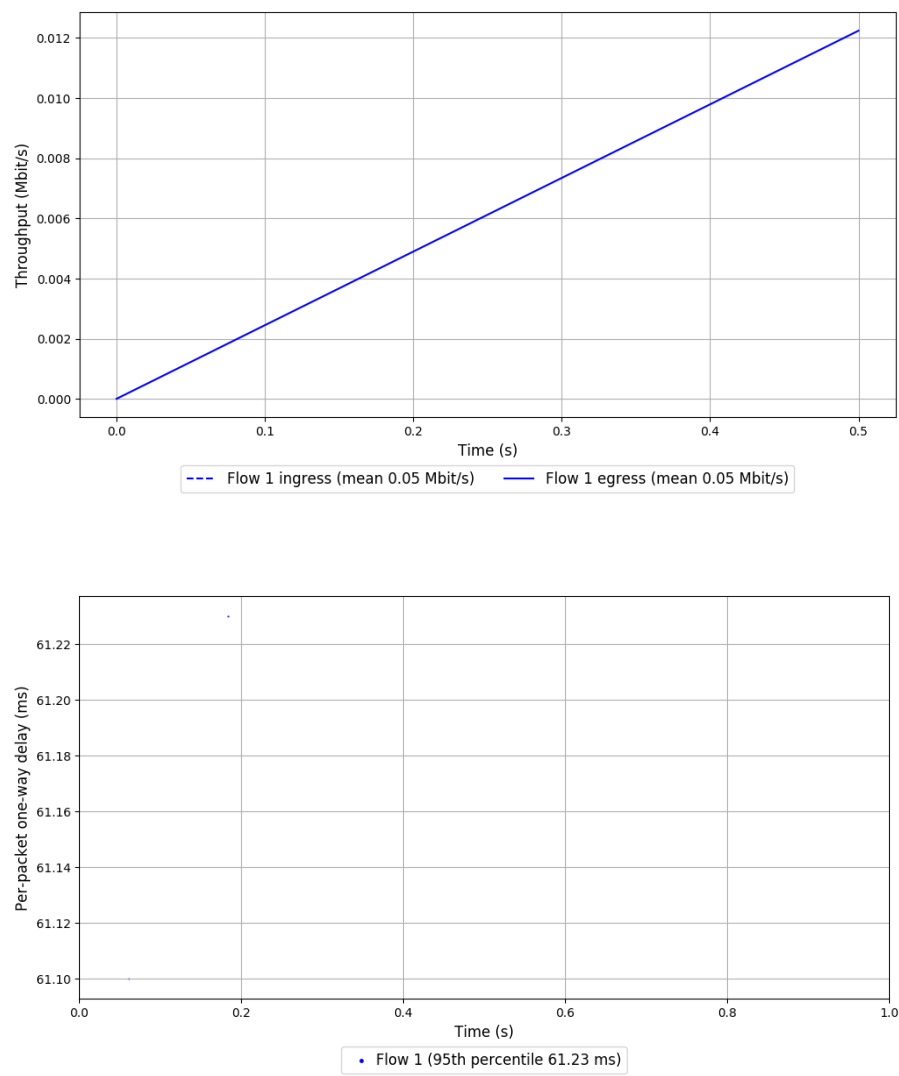
Start at: 2018-08-11 03:43:52

End at: 2018-08-11 03:44:22

Local clock offset: -0.238 ms

Remote clock offset: 0.015 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-08-11 04:06:31

End at: 2018-08-11 04:07:01

Local clock offset: -0.456 ms

Remote clock offset: 0.151 ms

Below is generated by plot.py at 2018-08-11 06:16:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.44 Mbit/s

95th percentile per-packet one-way delay: 61.173 ms

Loss rate: 0.01%

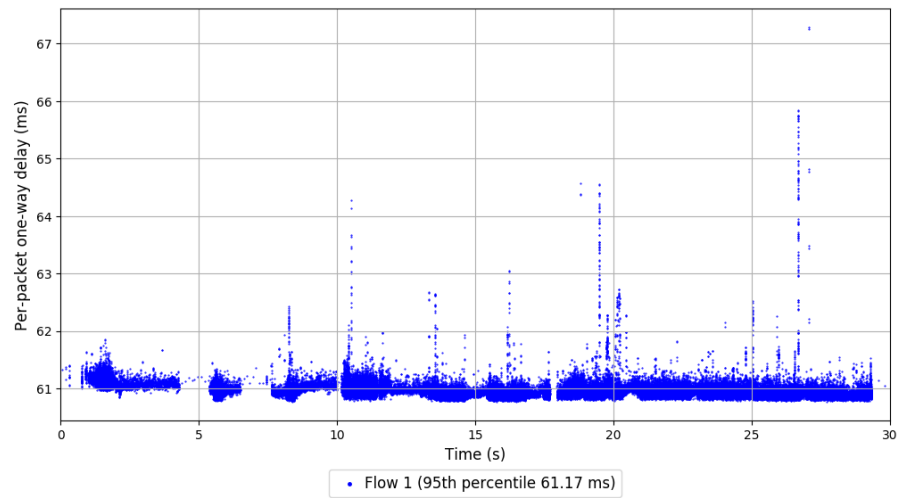
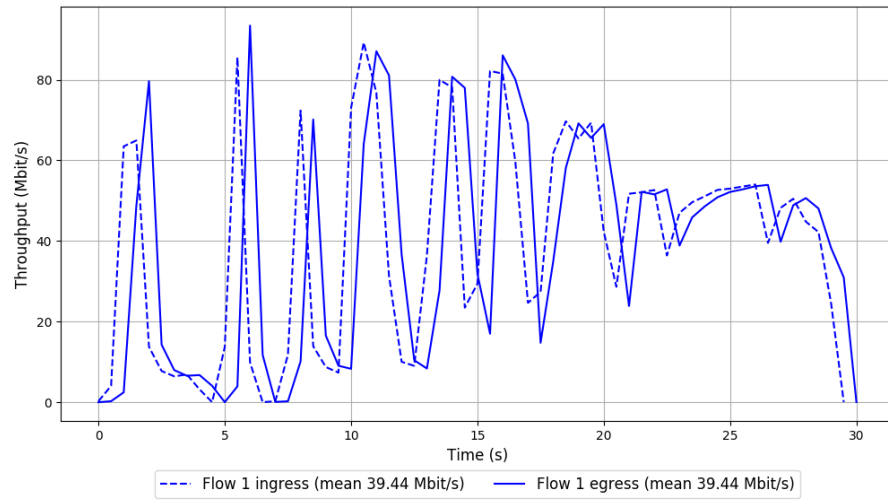
-- Flow 1:

Average throughput: 39.44 Mbit/s

95th percentile per-packet one-way delay: 61.173 ms

Loss rate: 0.01%

Run 10: Report of QUIC Cubic — Data Link

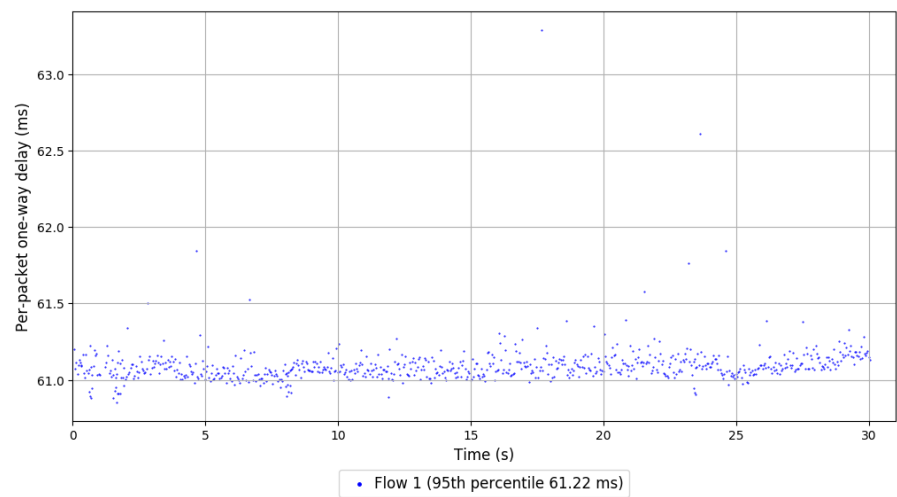
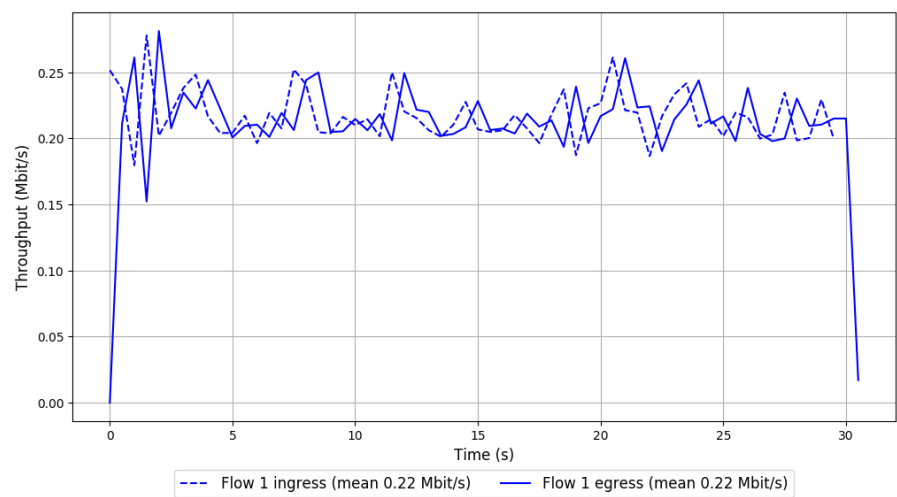


Run 1: Statistics of SCReAM

Start at: 2018-08-11 00:57:57
End at: 2018-08-11 00:58:27
Local clock offset: 0.381 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-08-11 06:16:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.224 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.224 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

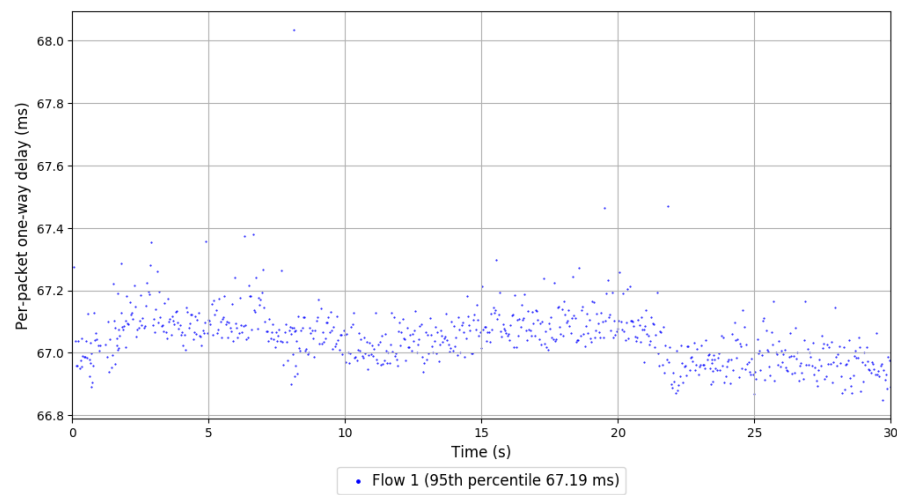
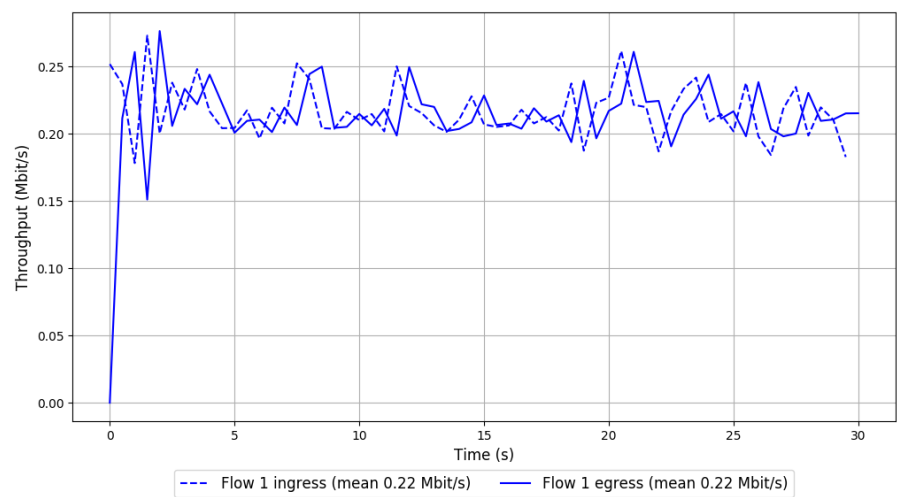


```
Run 2: Statistics of SCReAM

Start at: 2018-08-11 01:20:42
End at: 2018-08-11 01:21:12
Local clock offset: 0.119 ms
Remote clock offset: 0.03 ms

# Below is generated by plot.py at 2018-08-11 06:16:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 67.189 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 67.189 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link

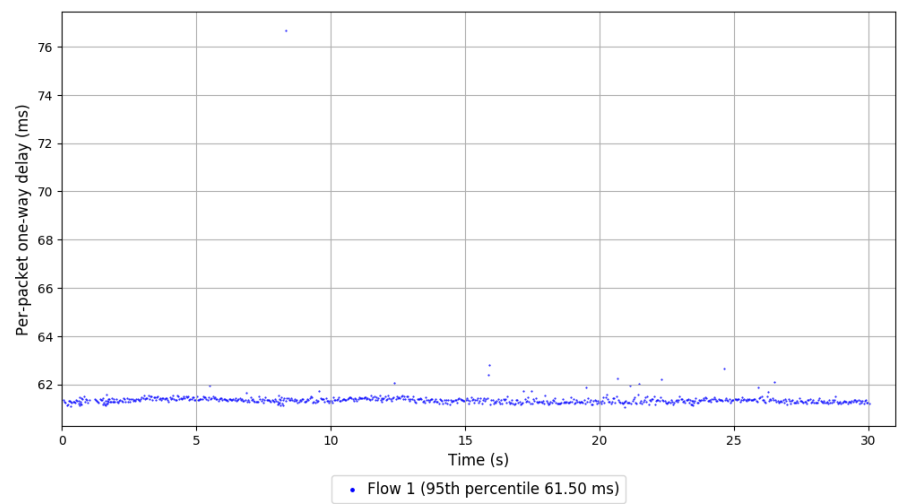
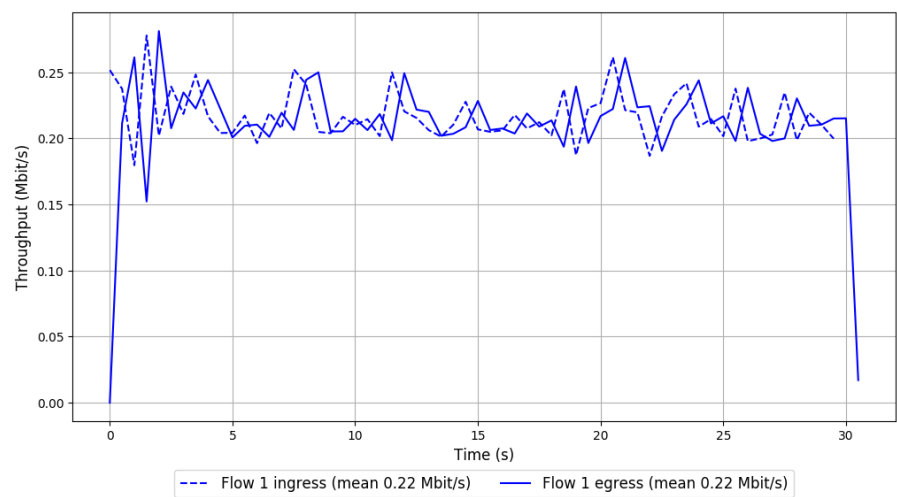


Run 3: Statistics of SCReAM

Start at: 2018-08-11 01:43:10
End at: 2018-08-11 01:43:40
Local clock offset: 0.271 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-08-11 06:16:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.503 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.503 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

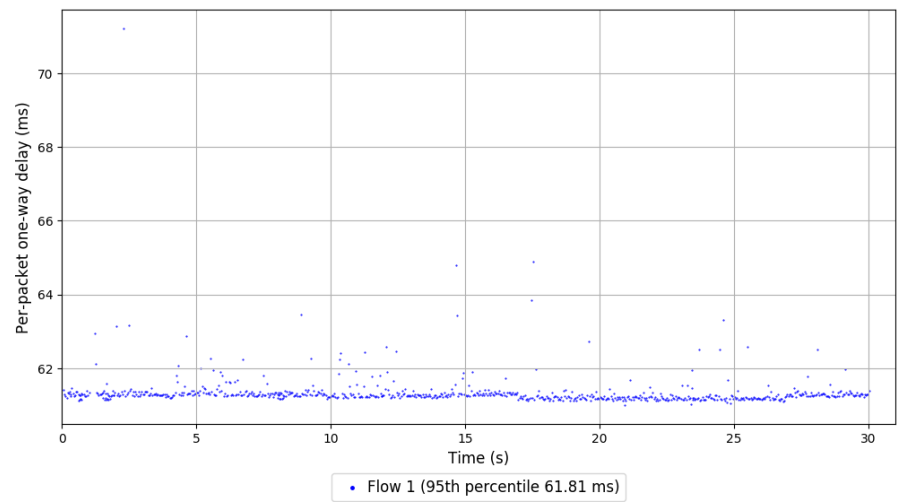
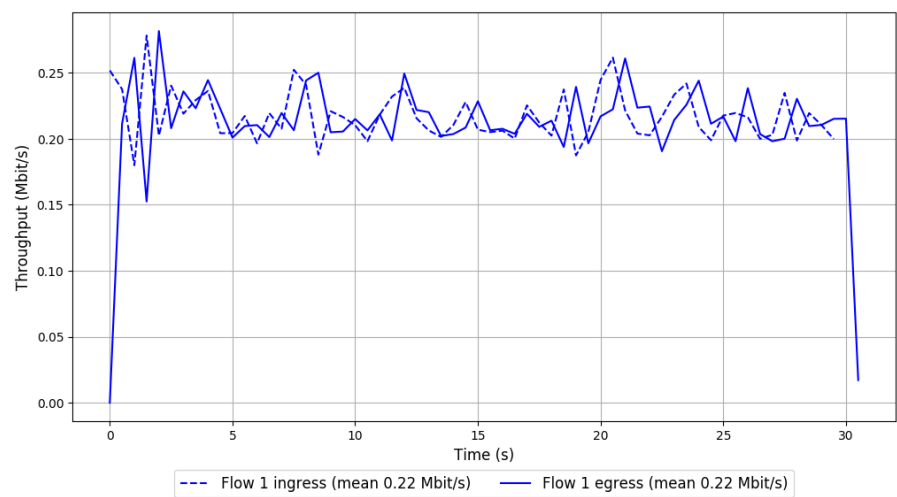


Run 4: Statistics of SCReAM

Start at: 2018-08-11 02:06:16
End at: 2018-08-11 02:06:46
Local clock offset: 0.403 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-08-11 06:16:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.806 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.806 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

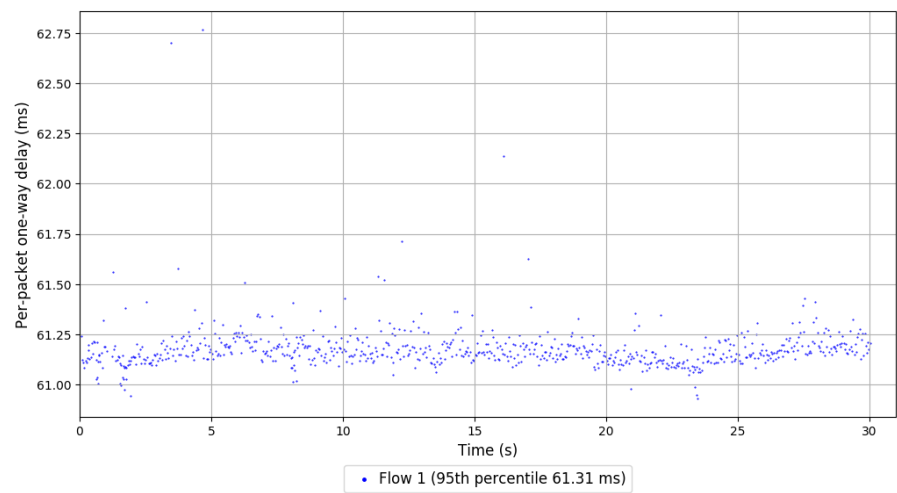
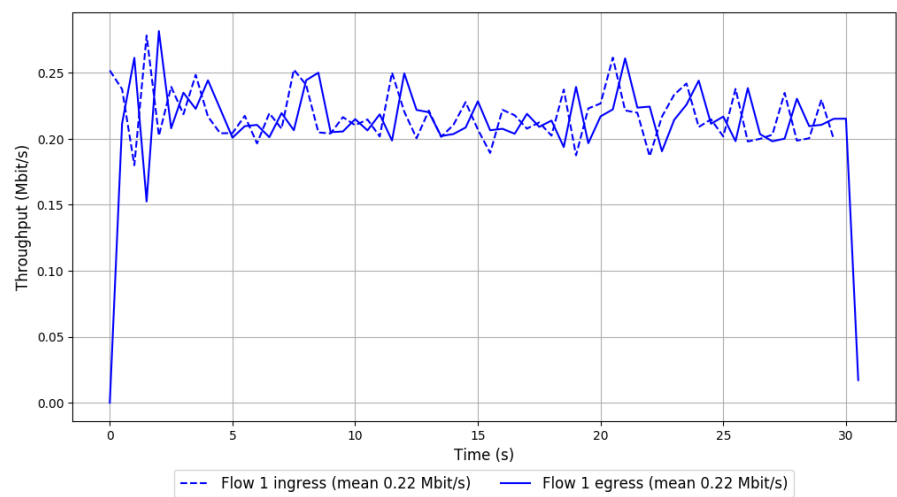


Run 5: Statistics of SCReAM

Start at: 2018-08-11 02:29:16
End at: 2018-08-11 02:29:46
Local clock offset: 0.571 ms
Remote clock offset: -0.148 ms

Below is generated by plot.py at 2018-08-11 06:16:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.309 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.309 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-08-11 02:52:08

End at: 2018-08-11 02:52:38

Local clock offset: 0.791 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-08-11 06:16:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.319 ms

Loss rate: 0.00%

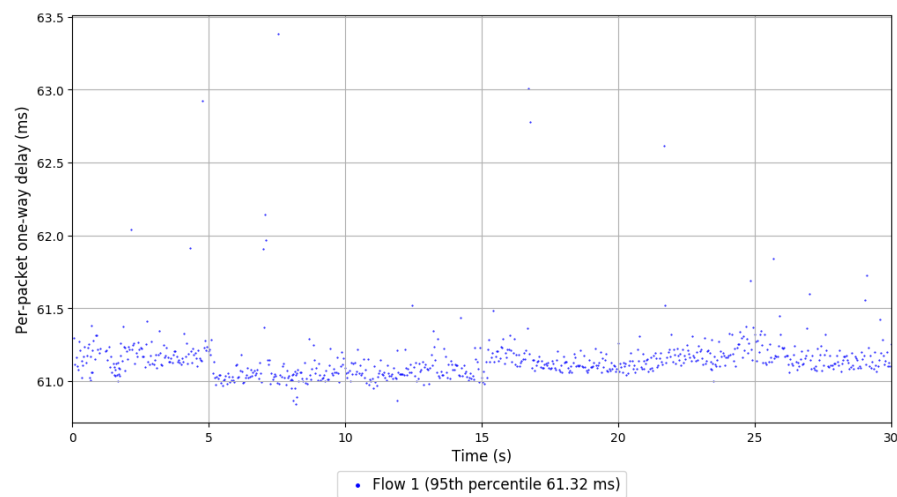
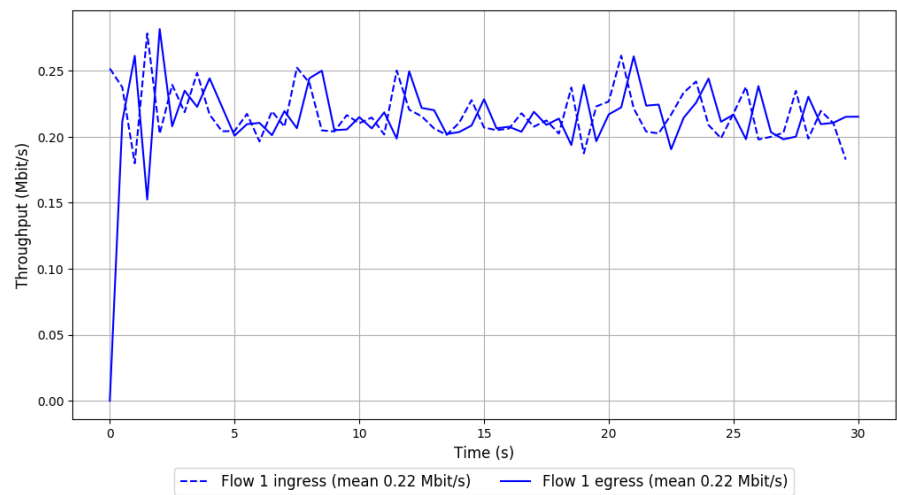
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.319 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

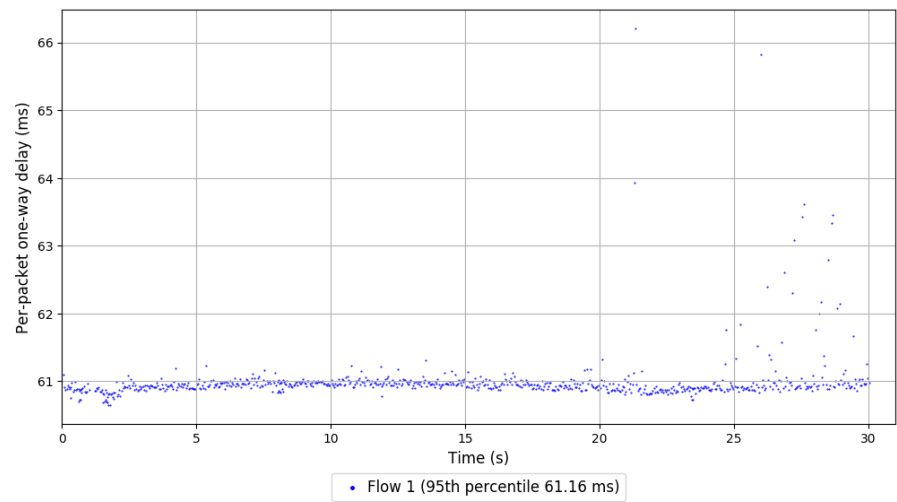
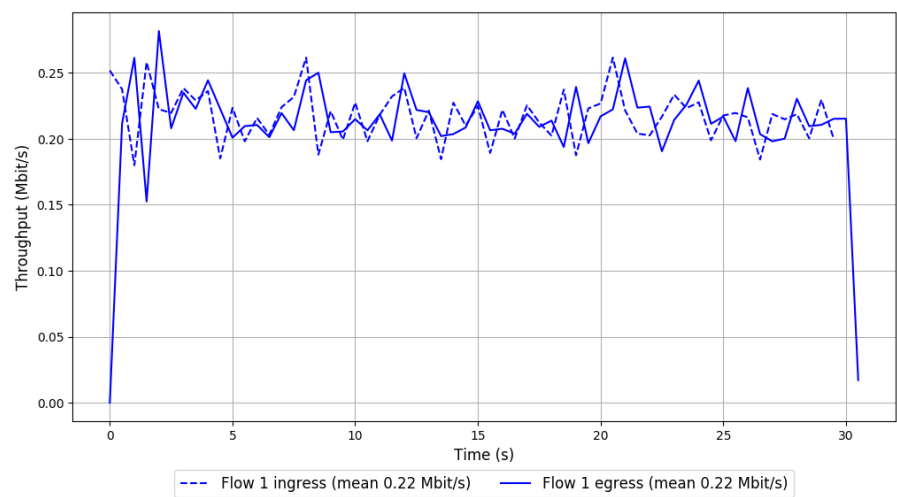


Run 7: Statistics of SCReAM

Start at: 2018-08-11 03:14:31
End at: 2018-08-11 03:15:01
Local clock offset: 0.588 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2018-08-11 06:16:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.164 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.164 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

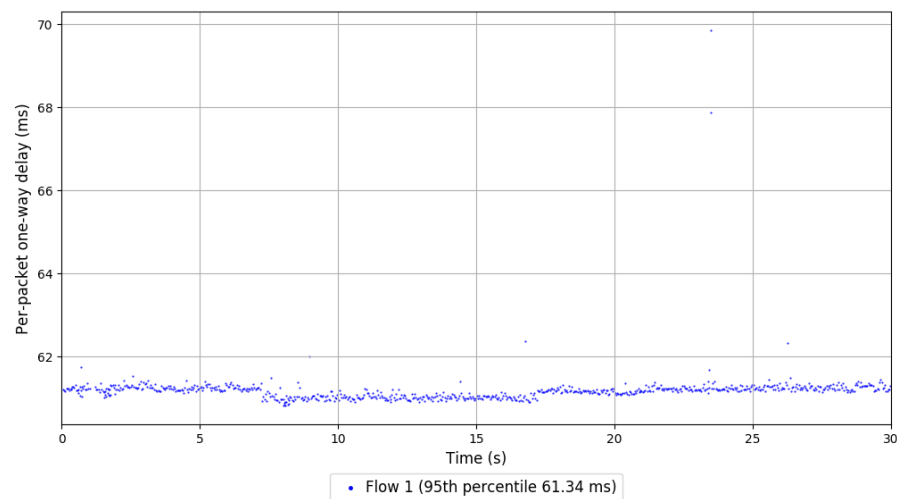
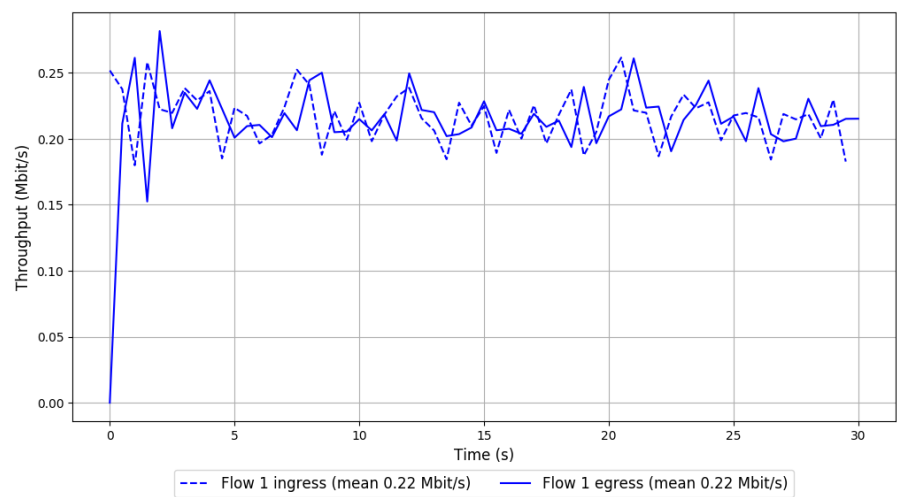


Run 8: Statistics of SCReAM

Start at: 2018-08-11 03:37:26
End at: 2018-08-11 03:37:56
Local clock offset: -0.177 ms
Remote clock offset: -0.169 ms

Below is generated by plot.py at 2018-08-11 06:16:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.340 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.340 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-08-11 04:00:10

End at: 2018-08-11 04:00:40

Local clock offset: -0.36 ms

Remote clock offset: 0.119 ms

Below is generated by plot.py at 2018-08-11 06:16:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.424 ms

Loss rate: 0.00%

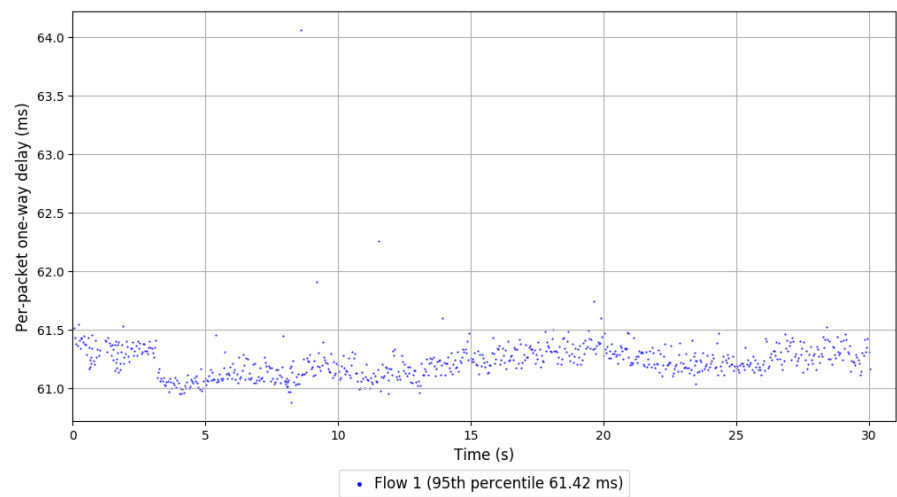
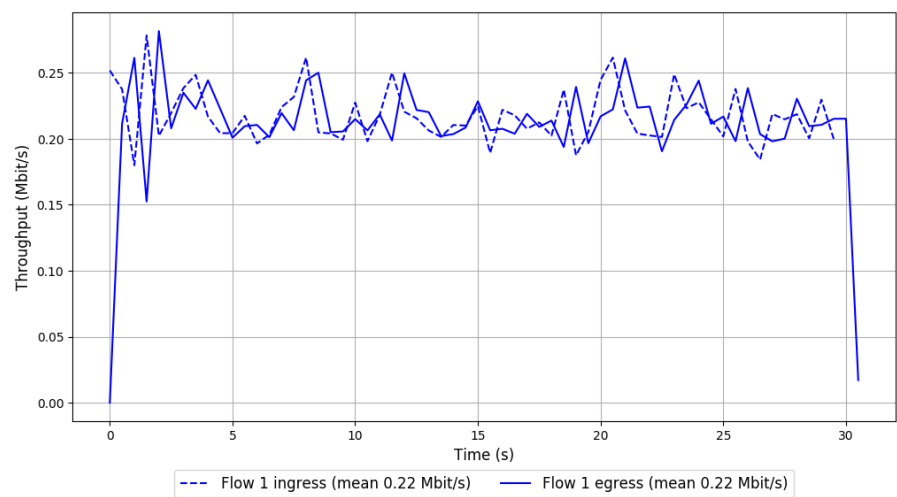
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.424 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

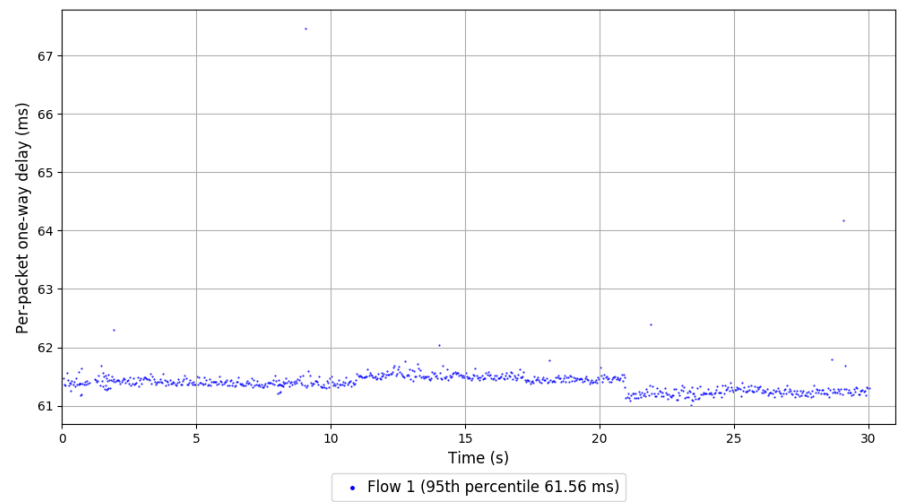
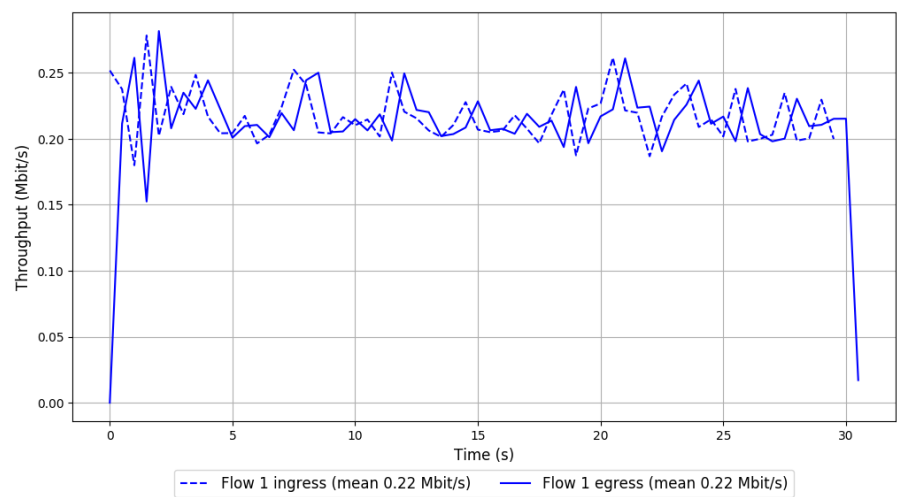


```
Run 10: Statistics of SCReAM

Start at: 2018-08-11 04:22:42
End at: 2018-08-11 04:23:12
Local clock offset: -0.556 ms
Remote clock offset: 0.089 ms

# Below is generated by plot.py at 2018-08-11 06:16:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.565 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.565 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-08-11 00:55:45

End at: 2018-08-11 00:56:15

Local clock offset: 0.485 ms

Remote clock offset: 0.111 ms

Below is generated by plot.py at 2018-08-11 06:16:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.15 Mbit/s

95th percentile per-packet one-way delay: 61.647 ms

Loss rate: 0.00%

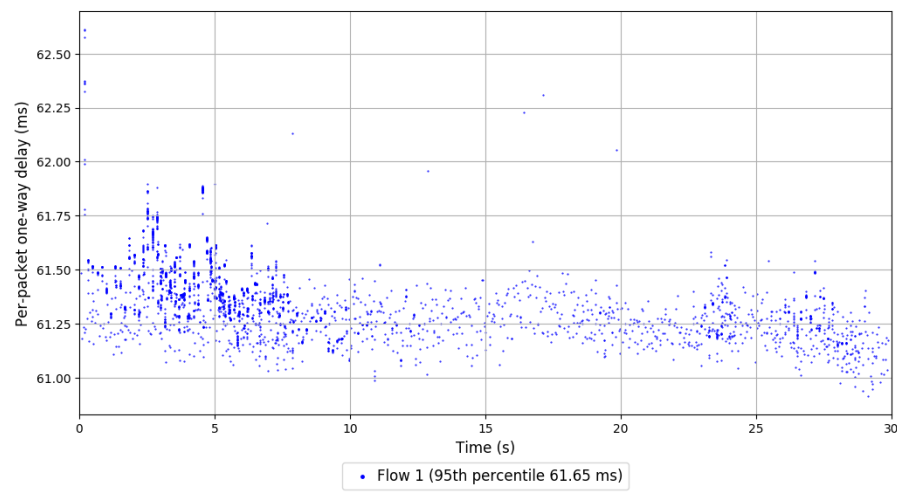
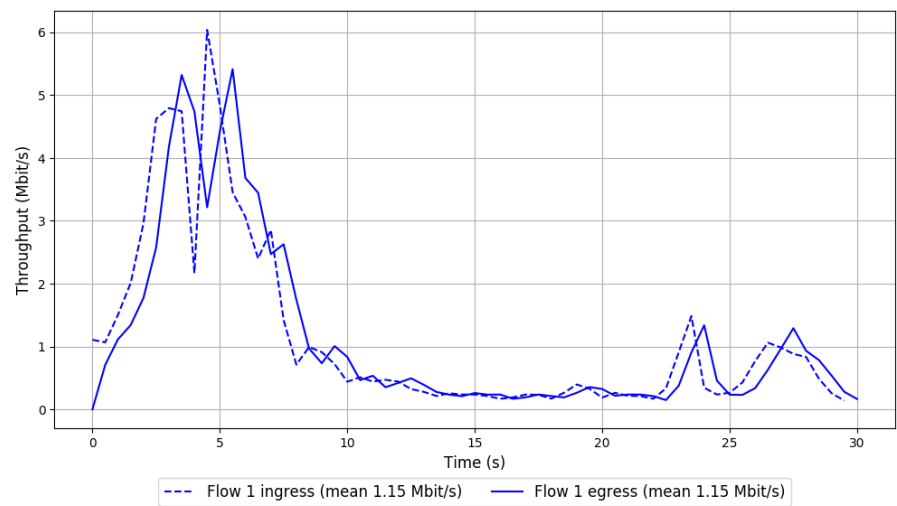
-- Flow 1:

Average throughput: 1.15 Mbit/s

95th percentile per-packet one-way delay: 61.647 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

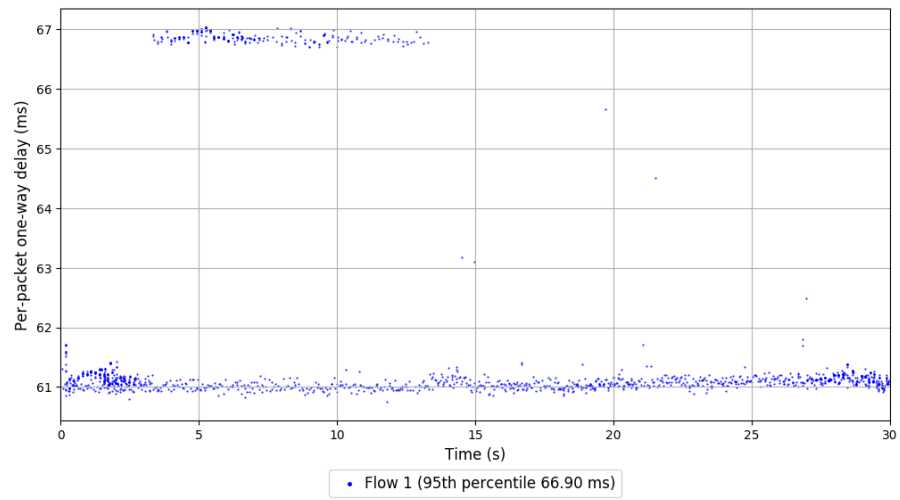
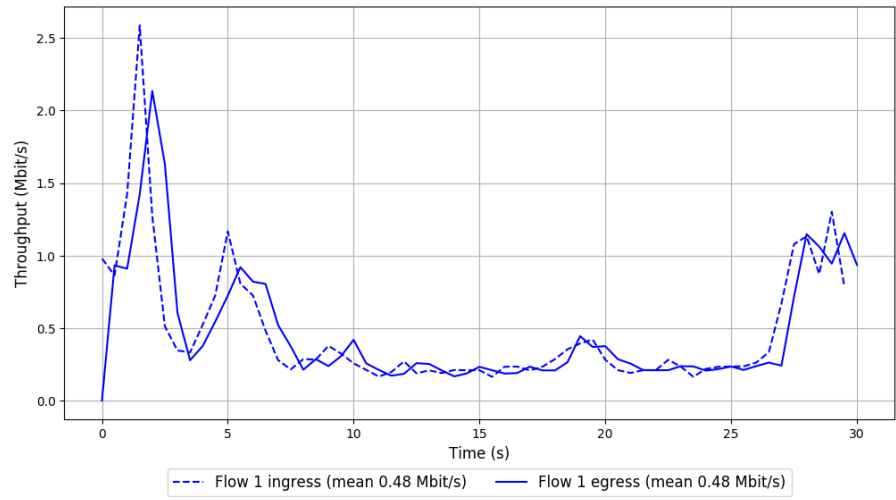


Run 2: Statistics of Sprout

Start at: 2018-08-11 01:18:30
End at: 2018-08-11 01:19:00
Local clock offset: 0.161 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-08-11 06:16:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 66.900 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 66.900 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

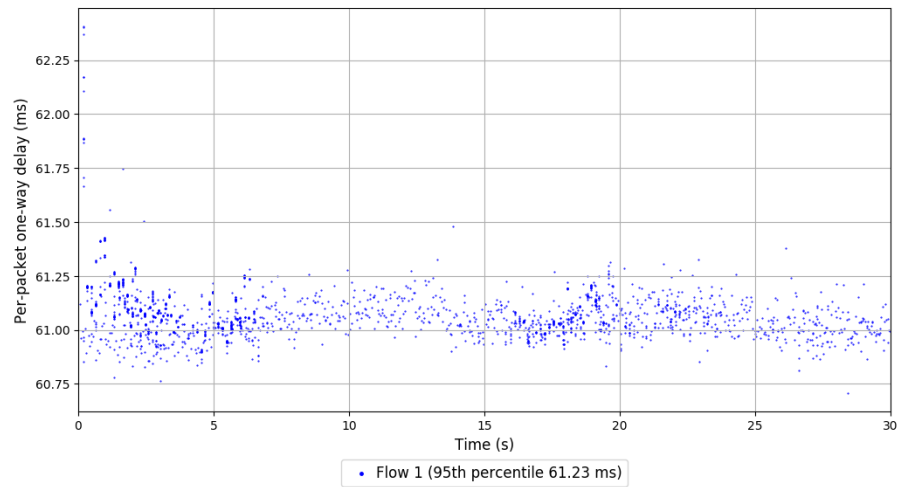
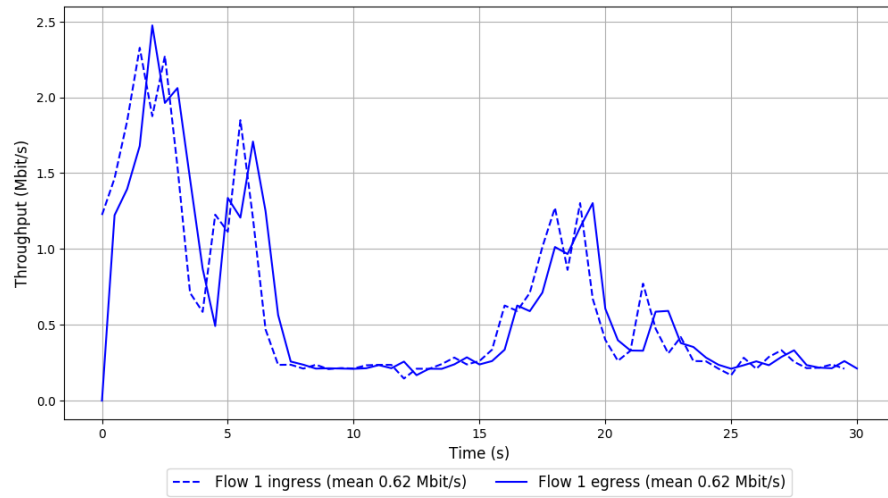


Run 3: Statistics of Sprout

Start at: 2018-08-11 01:40:58
End at: 2018-08-11 01:41:28
Local clock offset: 0.274 ms
Remote clock offset: -0.158 ms

Below is generated by plot.py at 2018-08-11 06:16:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 61.234 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 61.234 ms
Loss rate: 0.06%

Run 3: Report of Sprout — Data Link

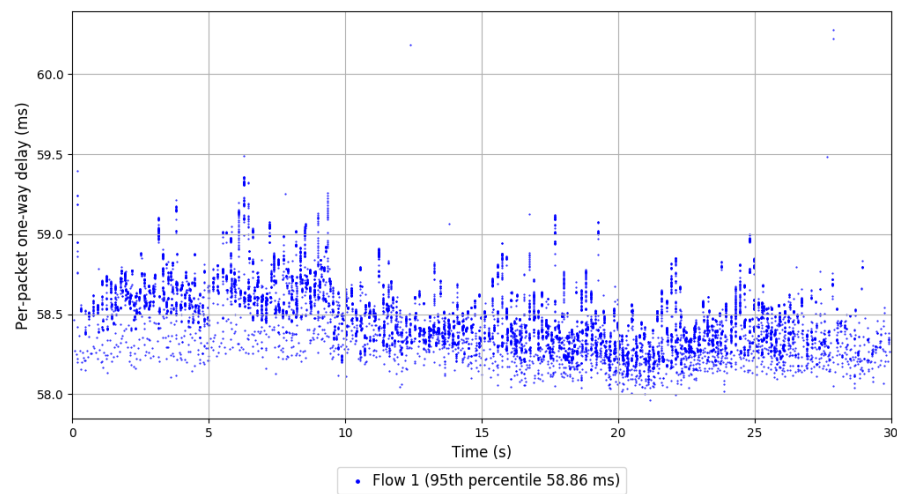
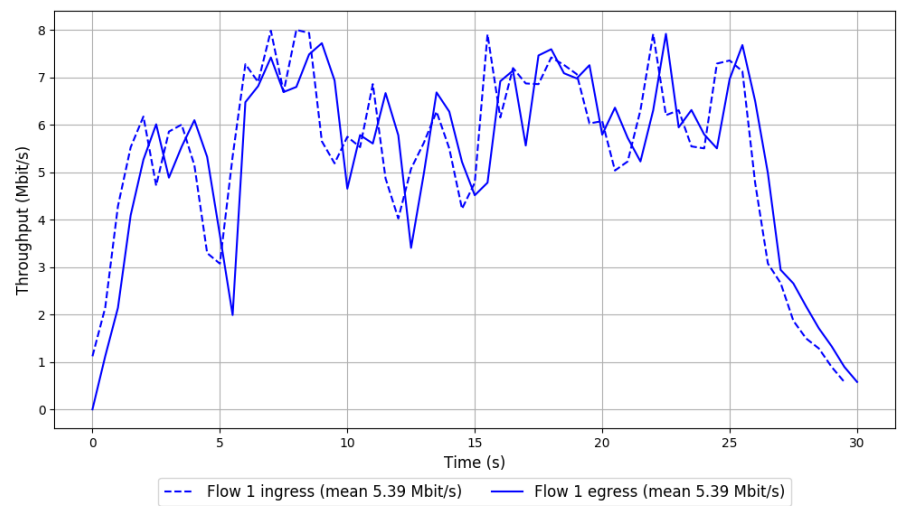


Run 4: Statistics of Sprout

Start at: 2018-08-11 02:04:03
End at: 2018-08-11 02:04:33
Local clock offset: 0.405 ms
Remote clock offset: -2.907 ms

Below is generated by plot.py at 2018-08-11 06:16:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.39 Mbit/s
95th percentile per-packet one-way delay: 58.860 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.39 Mbit/s
95th percentile per-packet one-way delay: 58.860 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

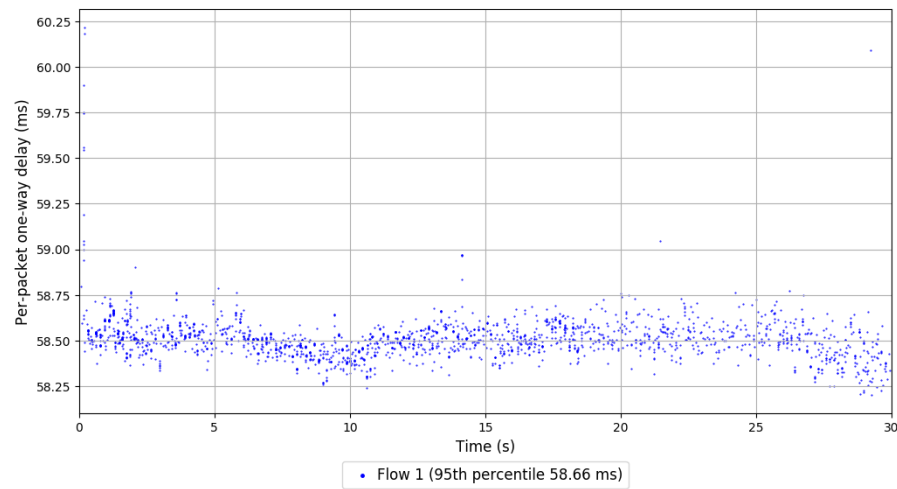
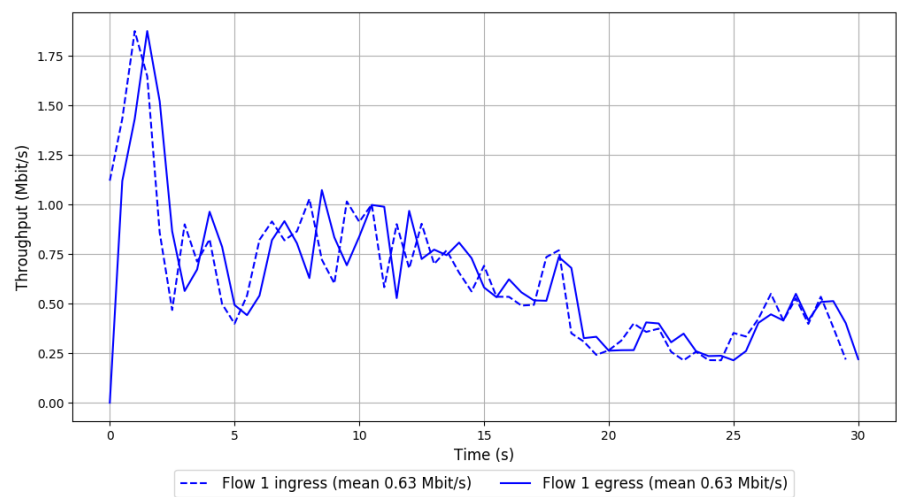


Run 5: Statistics of Sprout

Start at: 2018-08-11 02:27:04
End at: 2018-08-11 02:27:34
Local clock offset: 0.579 ms
Remote clock offset: -2.737 ms

Below is generated by plot.py at 2018-08-11 06:16:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 58.658 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 58.658 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

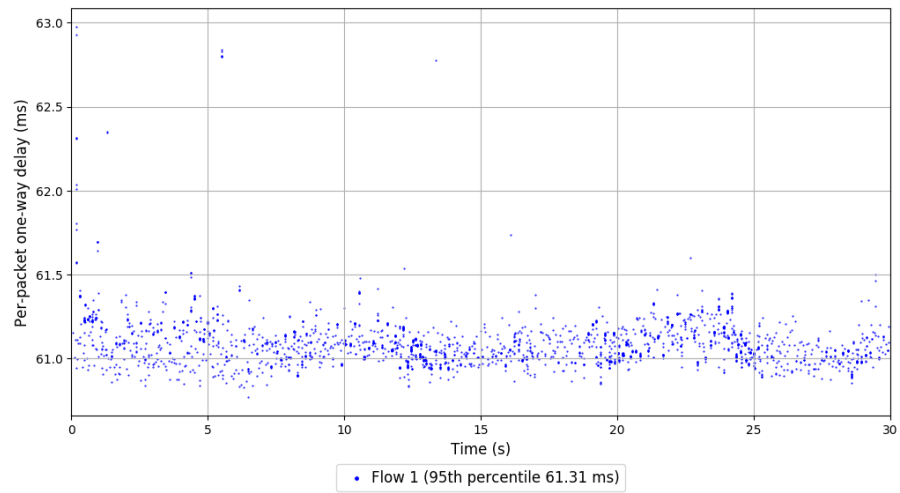
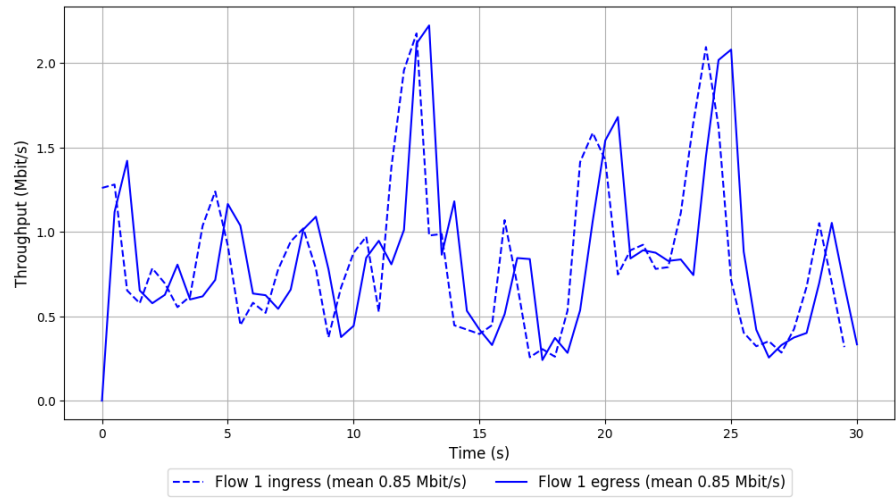


Run 6: Statistics of Sprout

Start at: 2018-08-11 02:49:56
End at: 2018-08-11 02:50:26
Local clock offset: 0.788 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2018-08-11 06:16:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.85 Mbit/s
95th percentile per-packet one-way delay: 61.308 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.85 Mbit/s
95th percentile per-packet one-way delay: 61.308 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

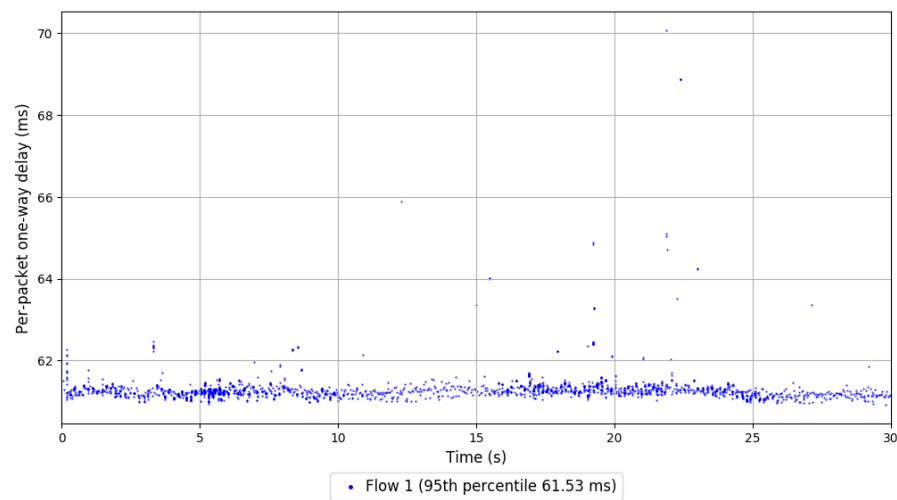
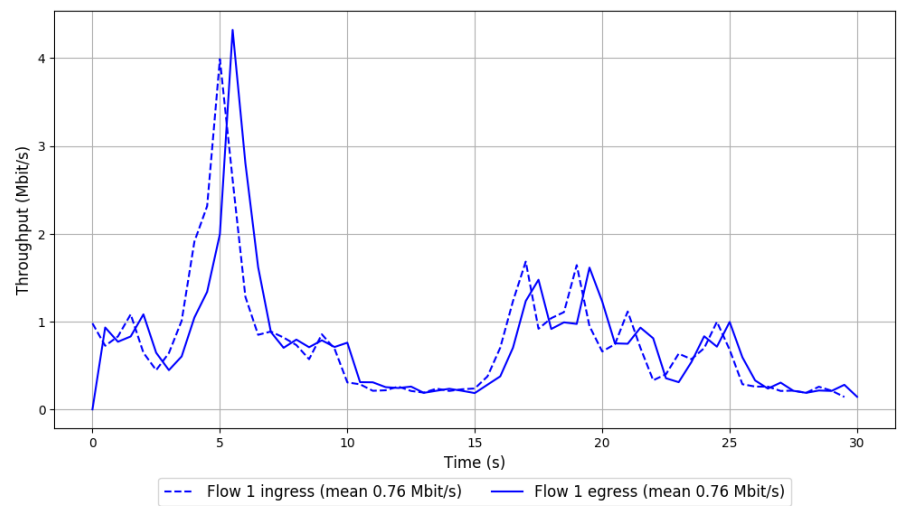


Run 7: Statistics of Sprout

Start at: 2018-08-11 03:12:19
End at: 2018-08-11 03:12:49
Local clock offset: 0.665 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-08-11 06:16:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.76 Mbit/s
95th percentile per-packet one-way delay: 61.531 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.76 Mbit/s
95th percentile per-packet one-way delay: 61.531 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-08-11 03:35:14

End at: 2018-08-11 03:35:44

Local clock offset: -0.163 ms

Remote clock offset: 2.786 ms

Below is generated by plot.py at 2018-08-11 06:16:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.58 Mbit/s

95th percentile per-packet one-way delay: 64.183 ms

Loss rate: 0.00%

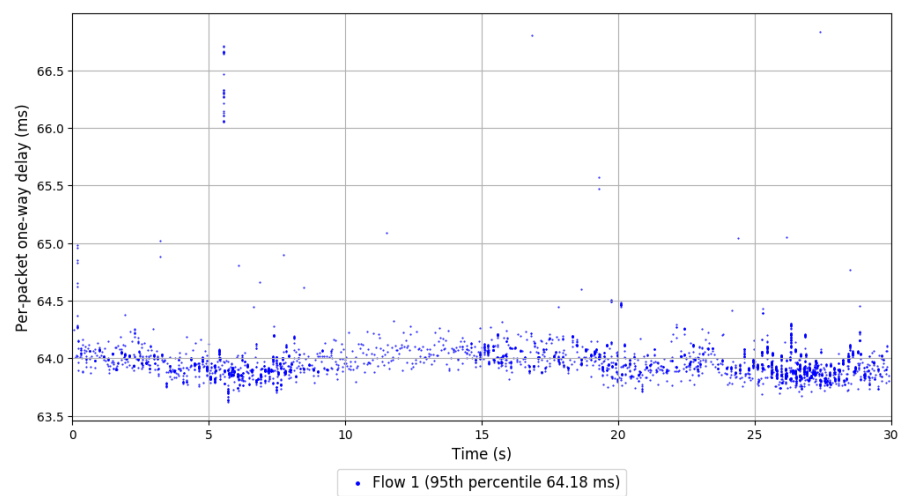
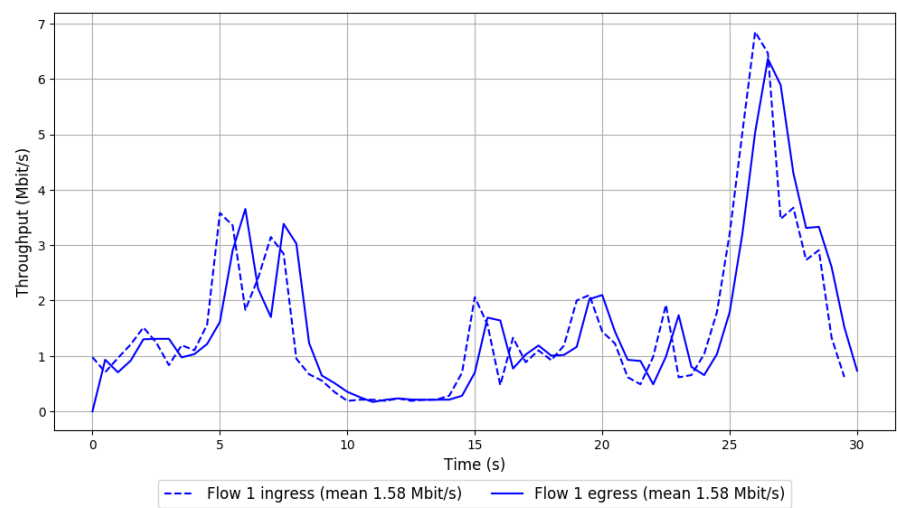
-- Flow 1:

Average throughput: 1.58 Mbit/s

95th percentile per-packet one-way delay: 64.183 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

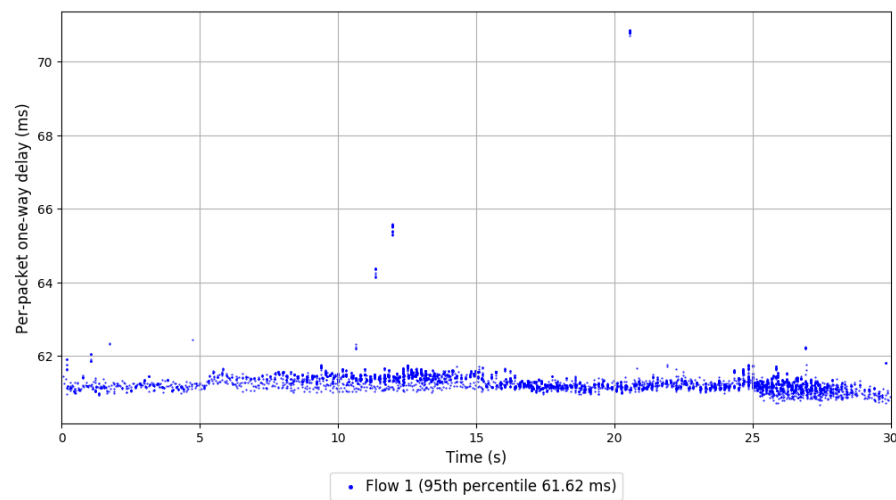
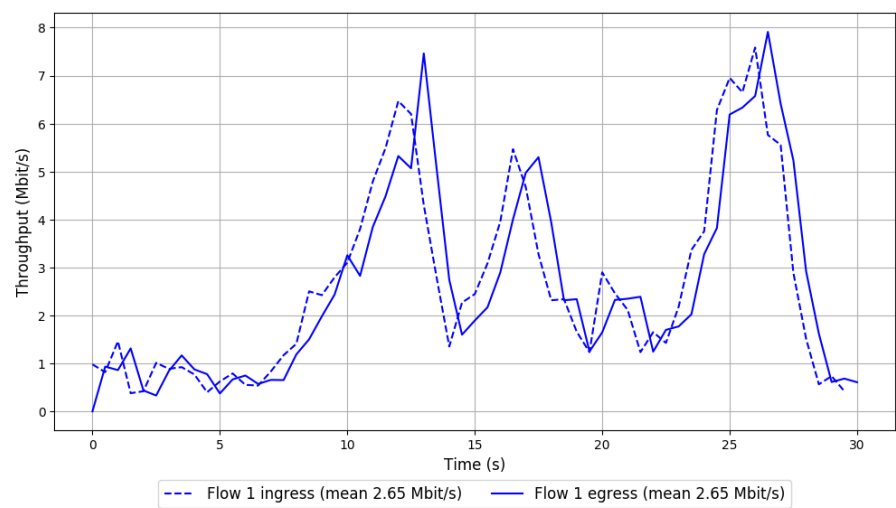


Run 9: Statistics of Sprout

Start at: 2018-08-11 03:57:58
End at: 2018-08-11 03:58:28
Local clock offset: -0.403 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-08-11 06:16:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.65 Mbit/s
95th percentile per-packet one-way delay: 61.623 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.65 Mbit/s
95th percentile per-packet one-way delay: 61.623 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-08-11 04:20:30

End at: 2018-08-11 04:21:00

Local clock offset: -0.51 ms

Remote clock offset: 0.713 ms

Below is generated by plot.py at 2018-08-11 06:16:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.77 Mbit/s

95th percentile per-packet one-way delay: 62.229 ms

Loss rate: 0.00%

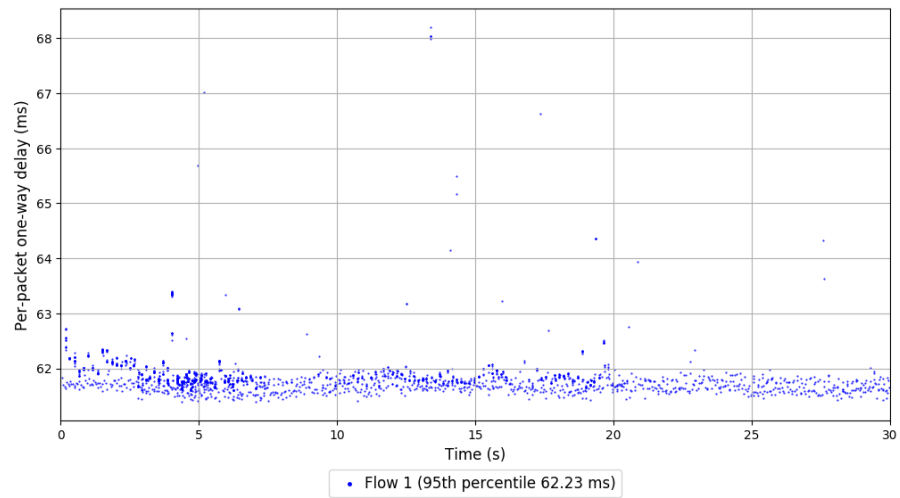
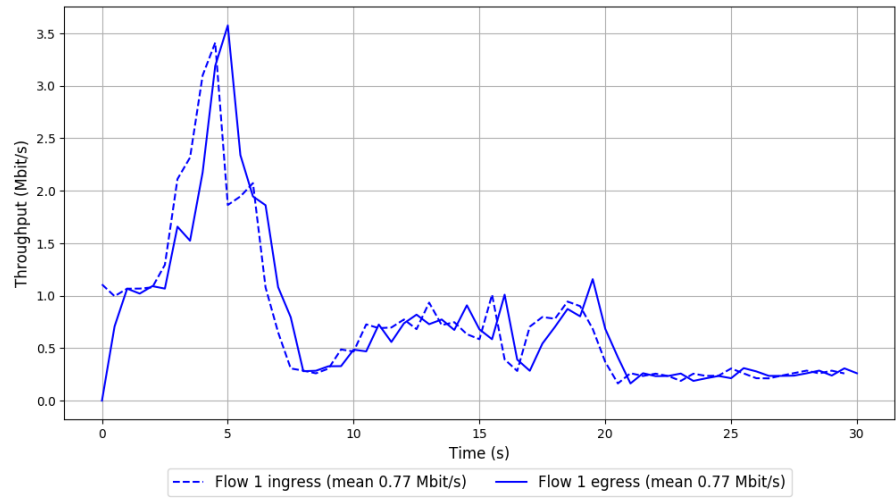
-- Flow 1:

Average throughput: 0.77 Mbit/s

95th percentile per-packet one-way delay: 62.229 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-08-11 00:48:40

End at: 2018-08-11 00:49:10

Local clock offset: 0.51 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-08-11 06:16:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 232.51 Mbit/s

95th percentile per-packet one-way delay: 61.453 ms

Loss rate: 0.00%

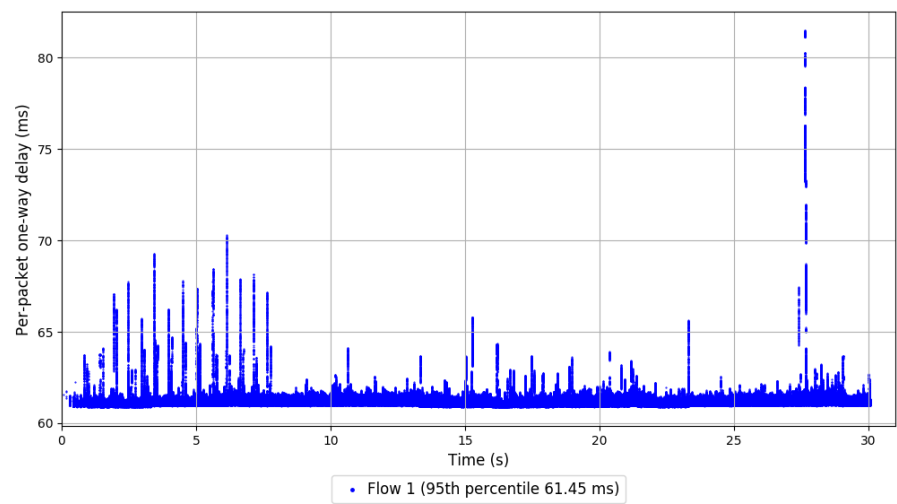
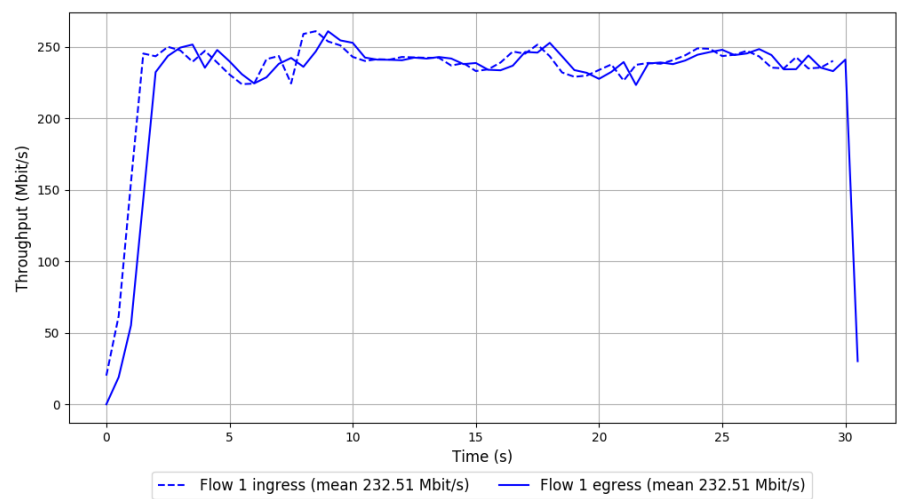
-- Flow 1:

Average throughput: 232.51 Mbit/s

95th percentile per-packet one-way delay: 61.453 ms

Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-08-11 01:11:38

End at: 2018-08-11 01:12:08

Local clock offset: 0.152 ms

Remote clock offset: 0.127 ms

Below is generated by plot.py at 2018-08-11 06:16:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.07 Mbit/s

95th percentile per-packet one-way delay: 61.529 ms

Loss rate: 0.00%

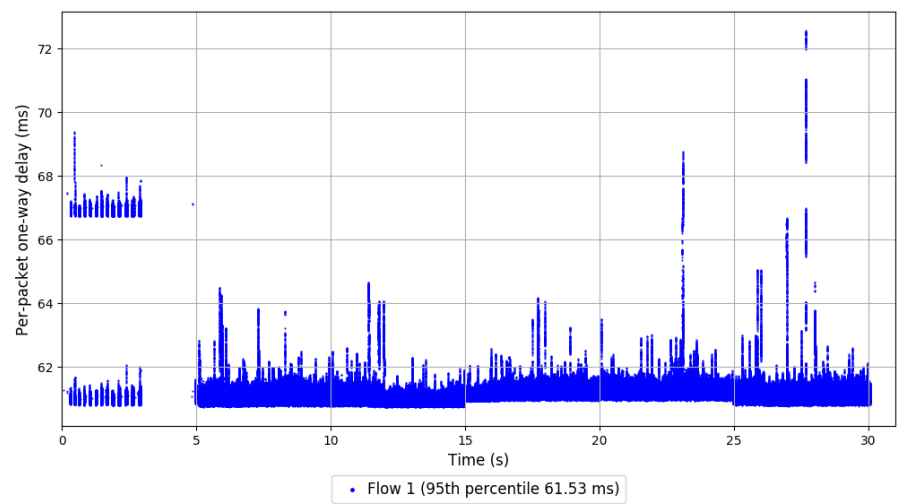
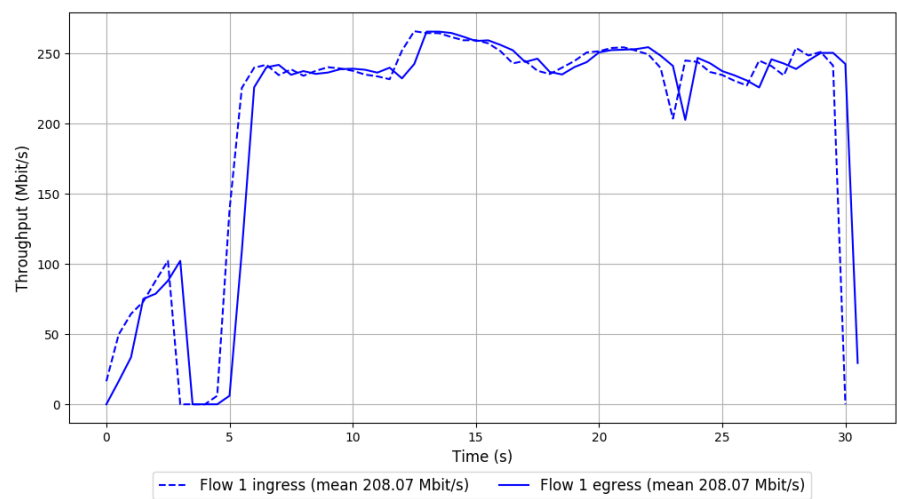
-- Flow 1:

Average throughput: 208.07 Mbit/s

95th percentile per-packet one-way delay: 61.529 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

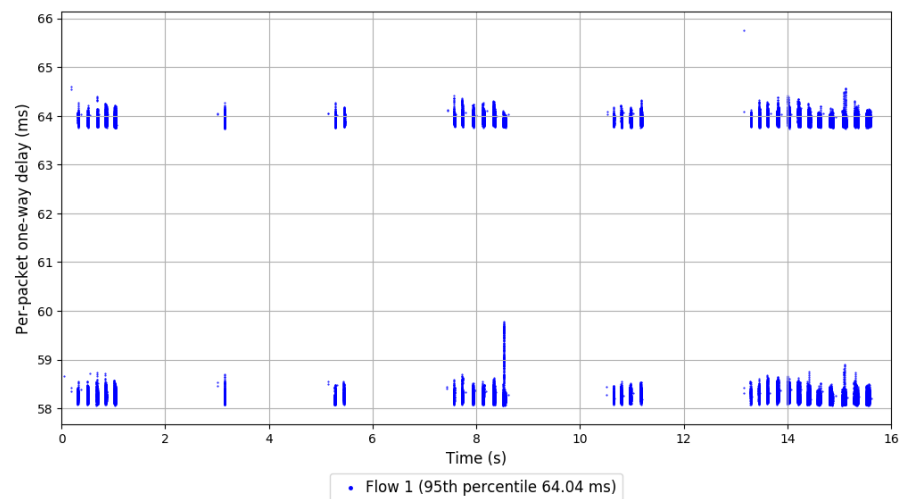
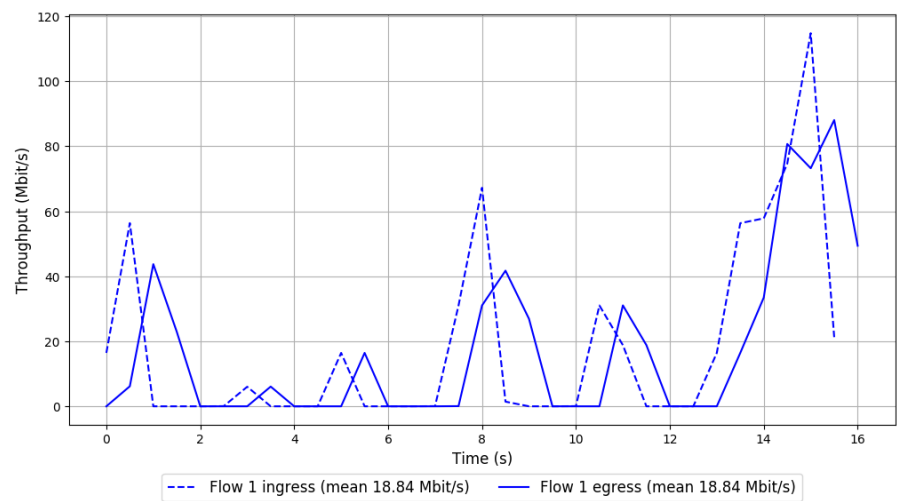
Start at: 2018-08-11 01:34:23

End at: 2018-08-11 01:34:53

Local clock offset: 0.255 ms

Remote clock offset: -2.858 ms

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-08-11 01:56:59

End at: 2018-08-11 01:57:29

Local clock offset: 0.363 ms

Remote clock offset: -3.004 ms

Below is generated by plot.py at 2018-08-11 06:16:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 238.30 Mbit/s

95th percentile per-packet one-way delay: 58.466 ms

Loss rate: 0.00%

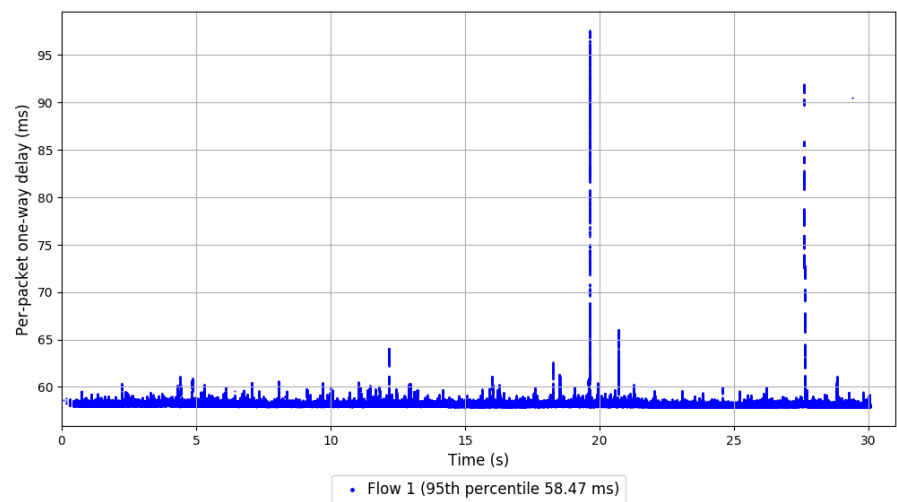
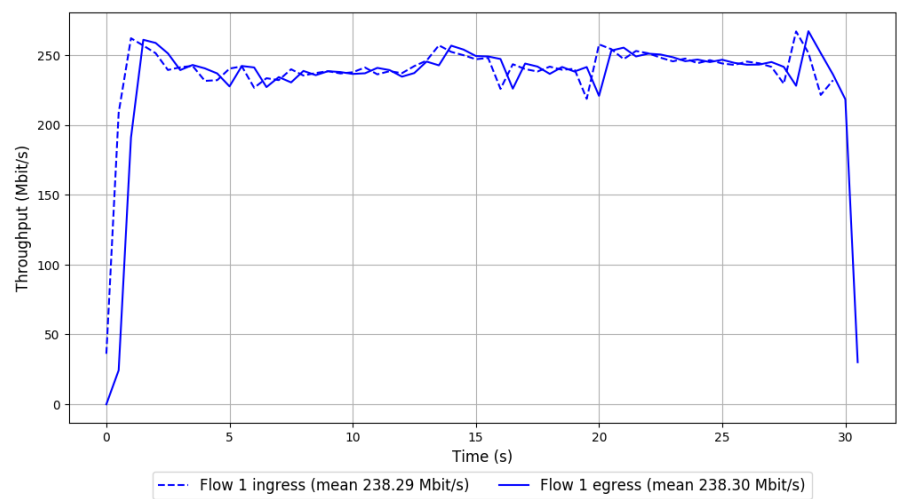
-- Flow 1:

Average throughput: 238.30 Mbit/s

95th percentile per-packet one-way delay: 58.466 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-08-11 02:20:03

End at: 2018-08-11 02:20:33

Local clock offset: 0.563 ms

Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-08-11 06:17:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 236.03 Mbit/s

95th percentile per-packet one-way delay: 61.658 ms

Loss rate: 0.00%

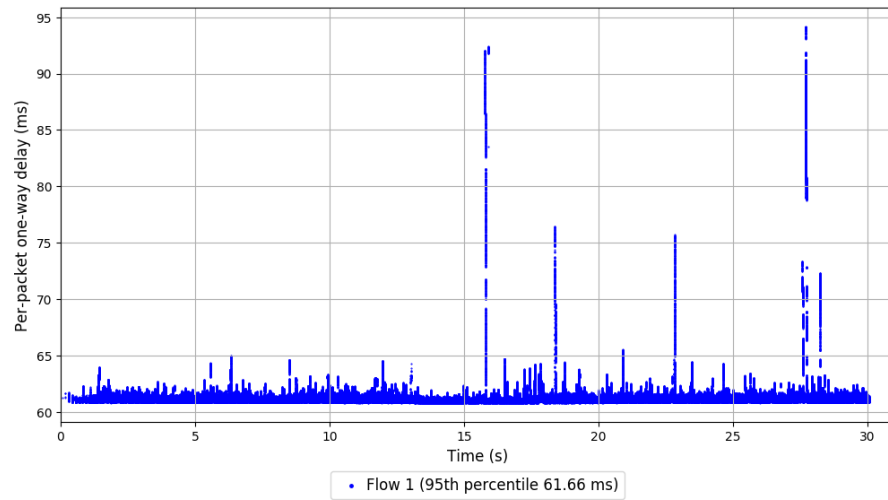
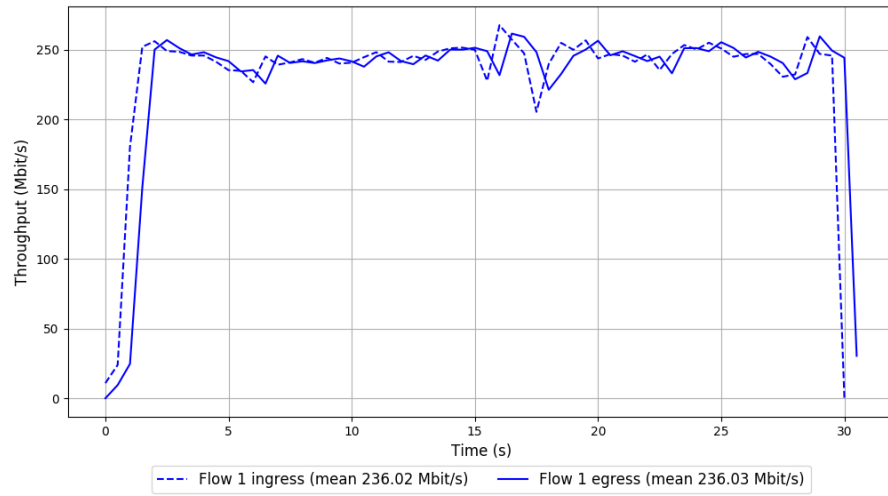
-- Flow 1:

Average throughput: 236.03 Mbit/s

95th percentile per-packet one-way delay: 61.658 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-08-11 02:42:55

End at: 2018-08-11 02:43:25

Local clock offset: 0.709 ms

Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-08-11 06:19:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 238.34 Mbit/s

95th percentile per-packet one-way delay: 61.477 ms

Loss rate: 0.00%

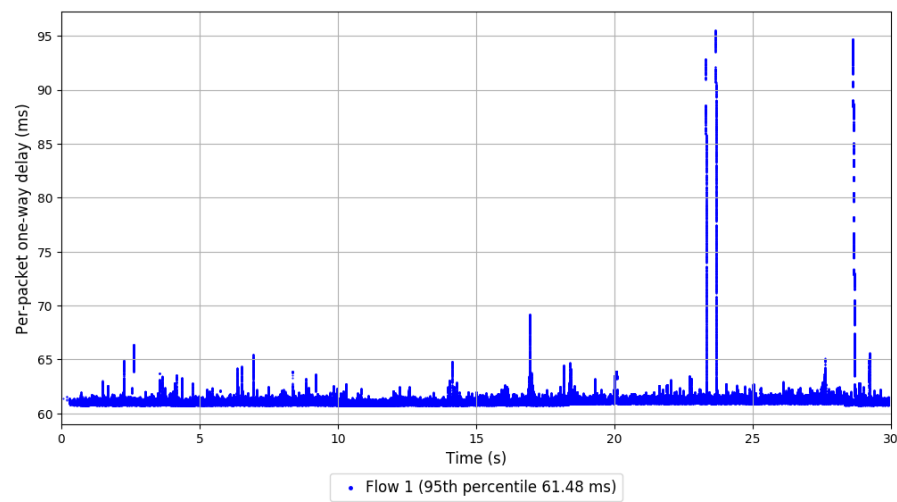
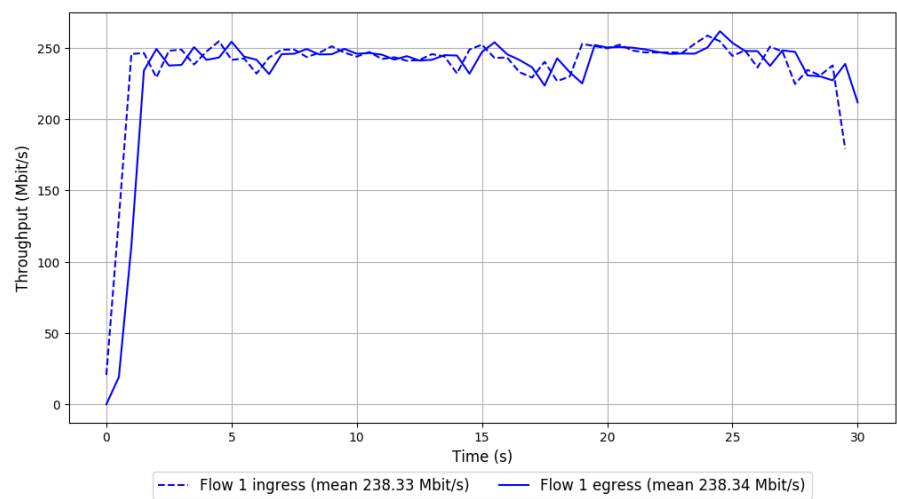
-- Flow 1:

Average throughput: 238.34 Mbit/s

95th percentile per-packet one-way delay: 61.477 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-08-11 03:05:42

End at: 2018-08-11 03:06:12

Local clock offset: 0.831 ms

Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-08-11 06:22:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 233.59 Mbit/s

95th percentile per-packet one-way delay: 61.546 ms

Loss rate: 0.00%

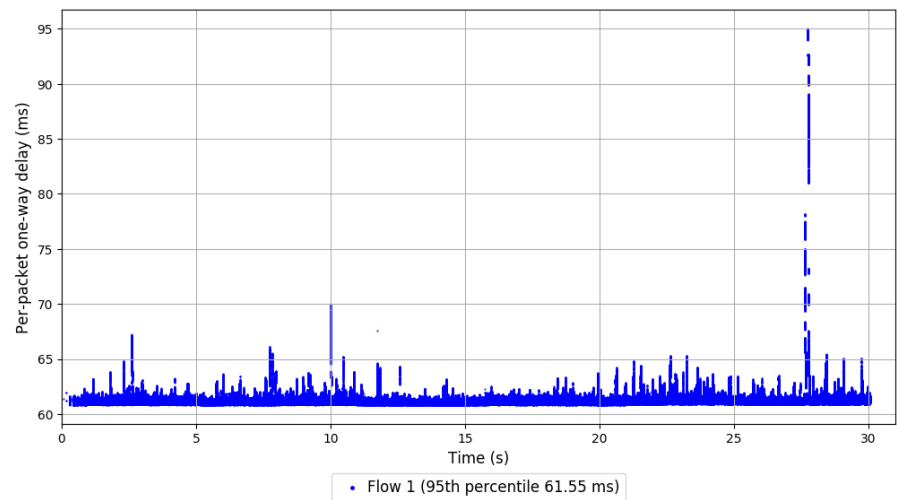
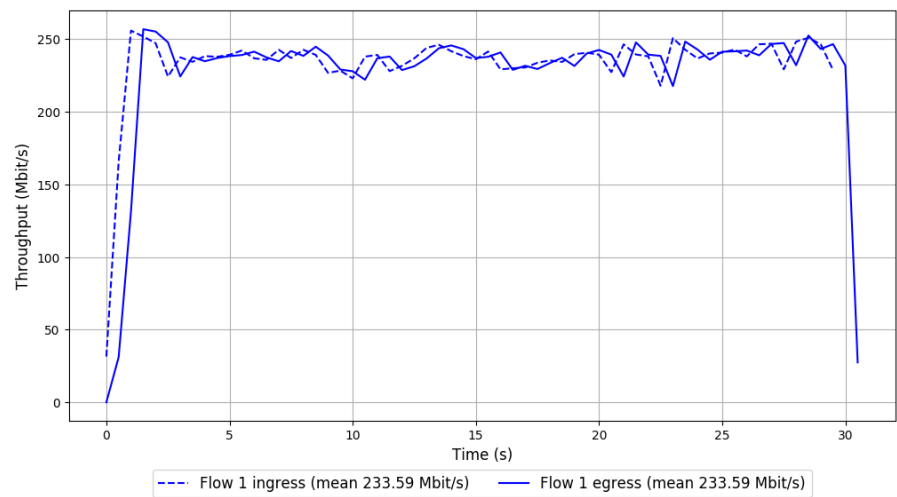
-- Flow 1:

Average throughput: 233.59 Mbit/s

95th percentile per-packet one-way delay: 61.546 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-08-11 03:28:09

End at: 2018-08-11 03:28:39

Local clock offset: -0.031 ms

Remote clock offset: 0.077 ms

Below is generated by plot.py at 2018-08-11 06:22:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 234.85 Mbit/s

95th percentile per-packet one-way delay: 61.471 ms

Loss rate: 0.00%

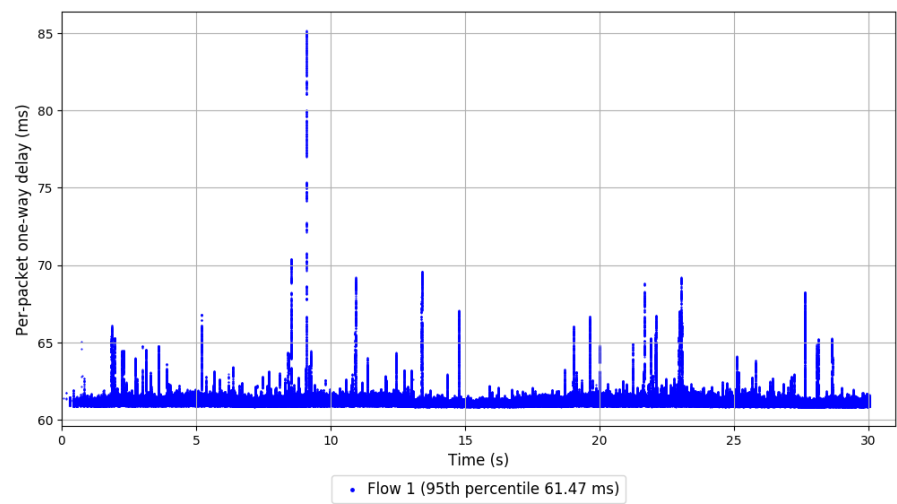
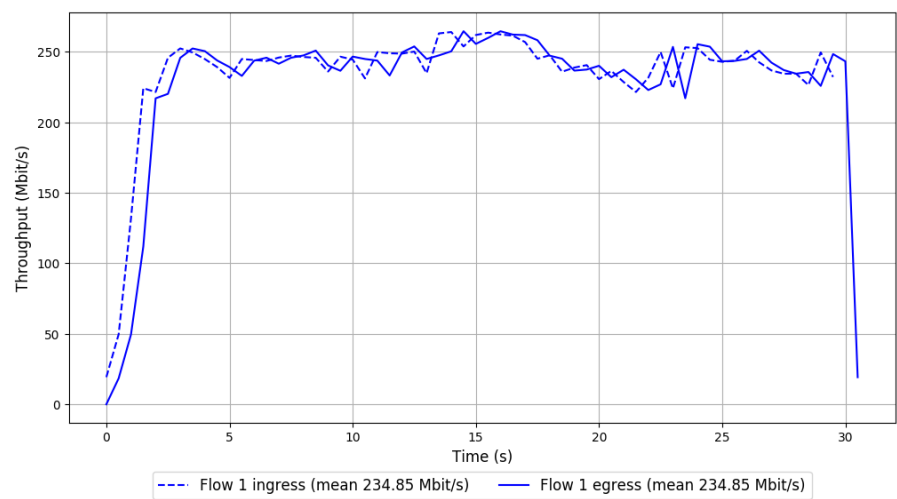
-- Flow 1:

Average throughput: 234.85 Mbit/s

95th percentile per-packet one-way delay: 61.471 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-08-11 03:51:05

End at: 2018-08-11 03:51:35

Local clock offset: -0.302 ms

Remote clock offset: 0.168 ms

Below is generated by plot.py at 2018-08-11 06:23:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 232.20 Mbit/s

95th percentile per-packet one-way delay: 61.462 ms

Loss rate: 0.00%

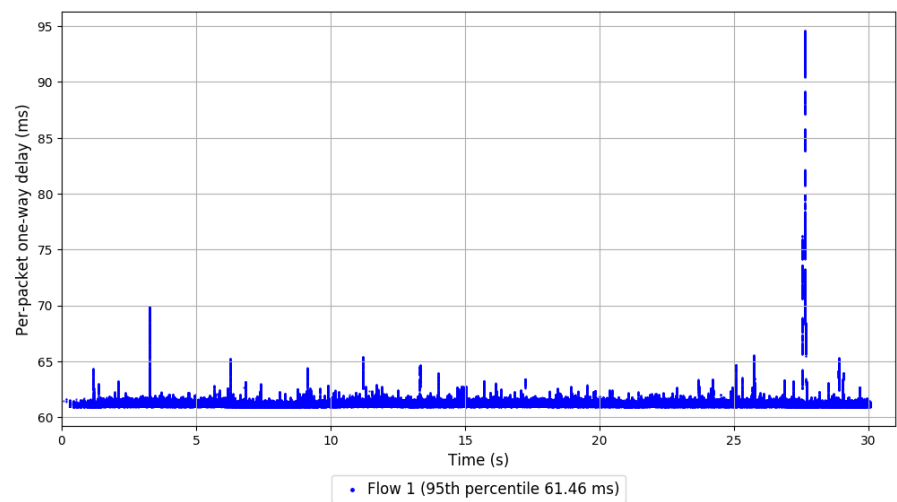
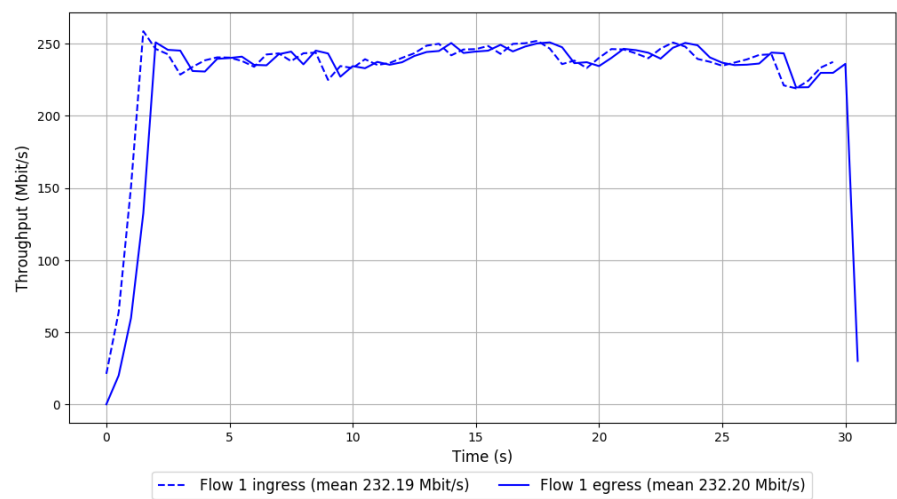
-- Flow 1:

Average throughput: 232.20 Mbit/s

95th percentile per-packet one-way delay: 61.462 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-08-11 04:13:36

End at: 2018-08-11 04:14:06

Local clock offset: -0.461 ms

Remote clock offset: -1.471 ms

Below is generated by plot.py at 2018-08-11 06:23:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 242.04 Mbit/s

95th percentile per-packet one-way delay: 59.869 ms

Loss rate: 0.00%

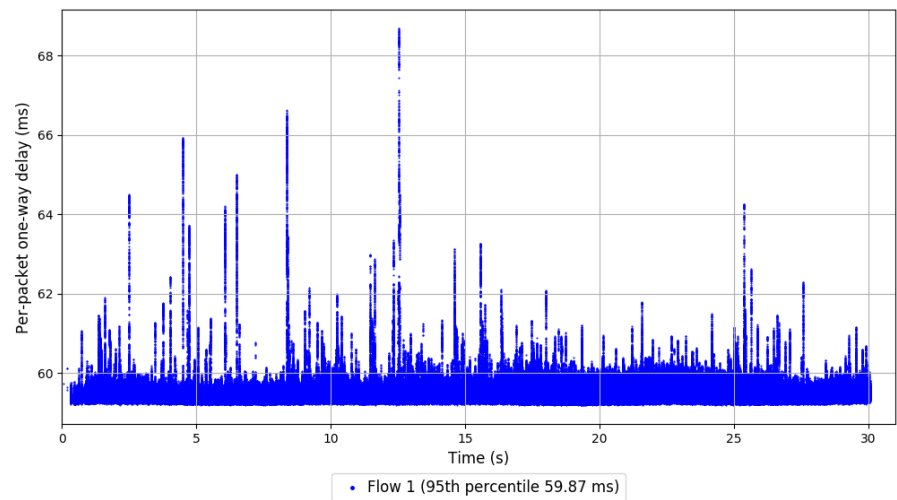
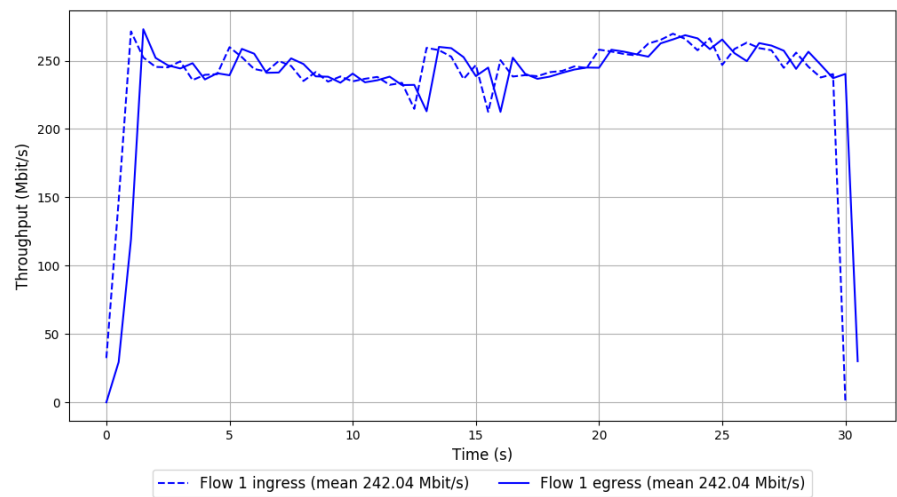
-- Flow 1:

Average throughput: 242.04 Mbit/s

95th percentile per-packet one-way delay: 59.869 ms

Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-08-11 00:36:00

End at: 2018-08-11 00:36:30

Local clock offset: 0.434 ms

Remote clock offset: 0.081 ms

Below is generated by plot.py at 2018-08-11 06:23:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 130.24 Mbit/s

95th percentile per-packet one-way delay: 62.219 ms

Loss rate: 0.00%

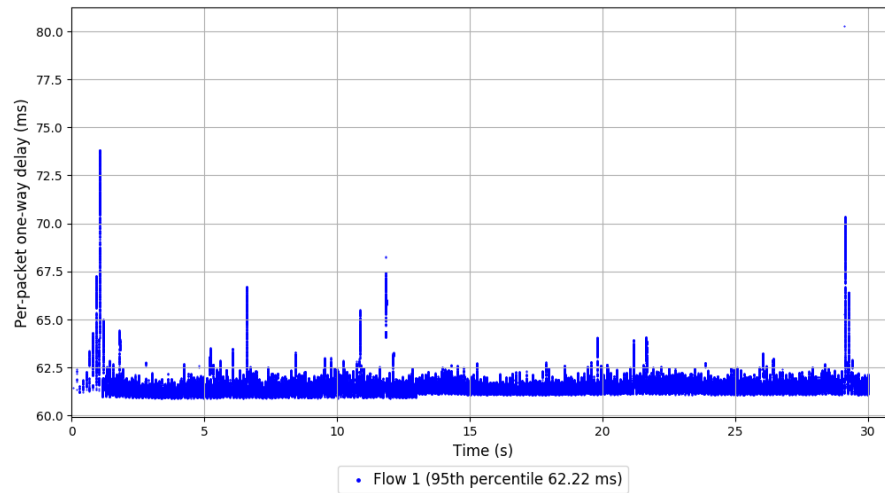
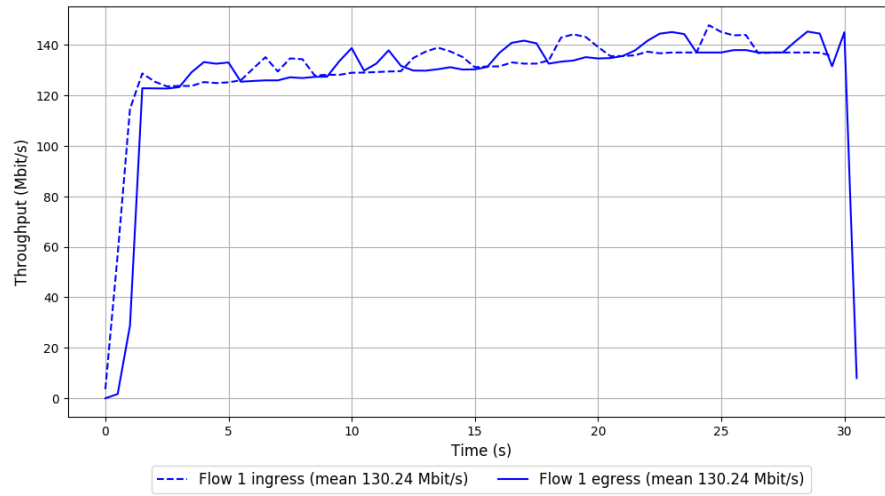
-- Flow 1:

Average throughput: 130.24 Mbit/s

95th percentile per-packet one-way delay: 62.219 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-08-11 00:59:03

End at: 2018-08-11 00:59:33

Local clock offset: 0.404 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2018-08-11 06:23:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.67 Mbit/s

95th percentile per-packet one-way delay: 62.150 ms

Loss rate: 0.00%

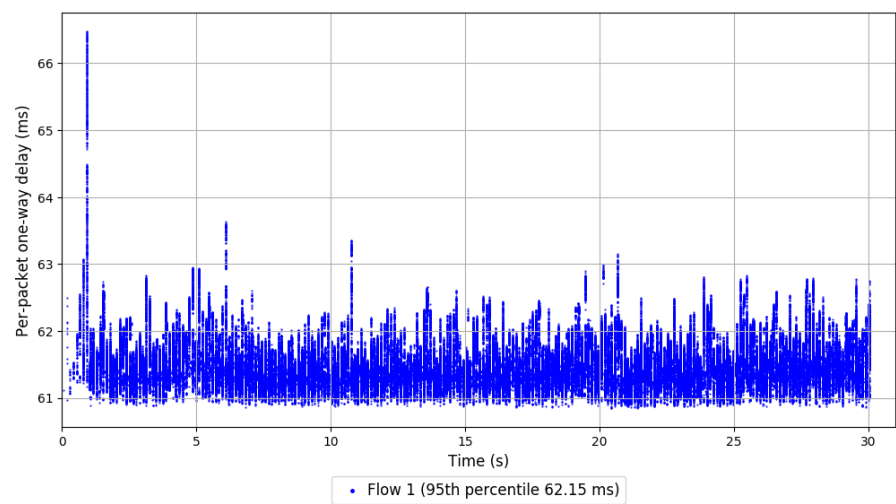
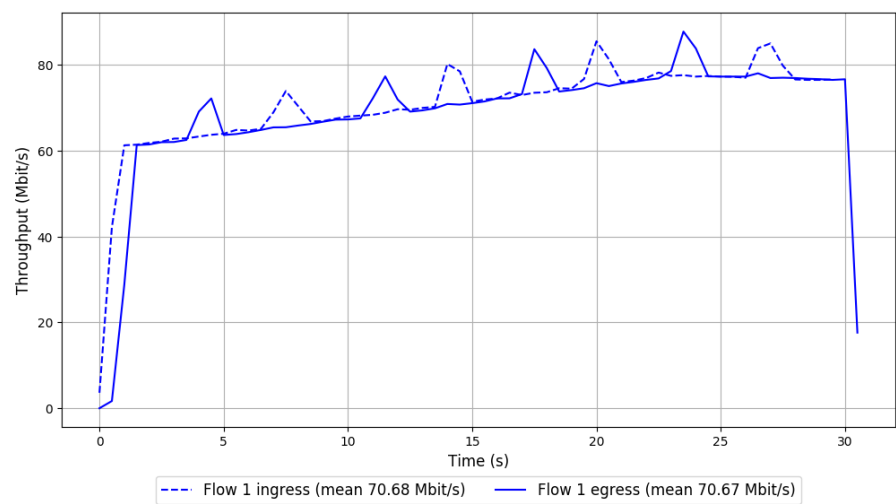
-- Flow 1:

Average throughput: 70.67 Mbit/s

95th percentile per-packet one-way delay: 62.150 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

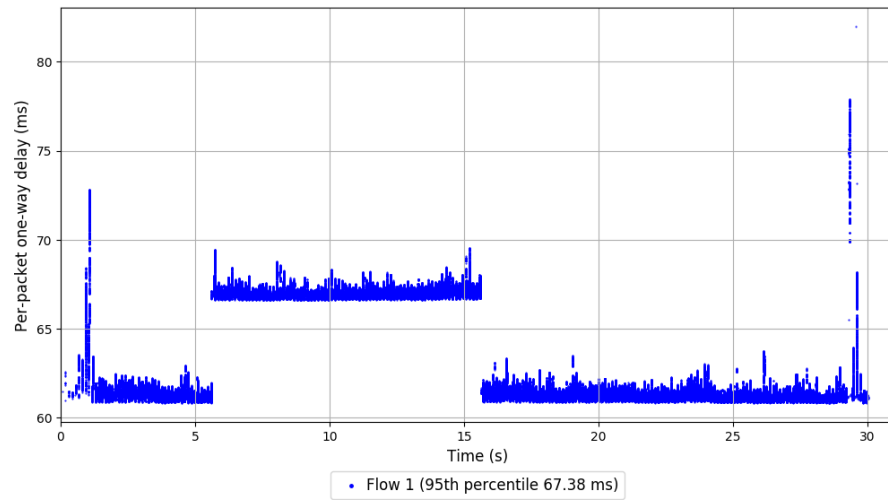
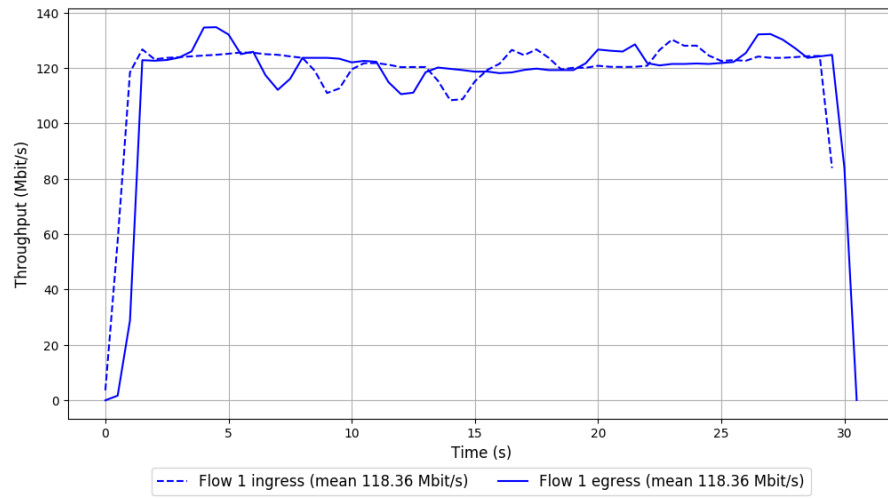


Run 3: Statistics of TCP Vegas

Start at: 2018-08-11 01:21:47
End at: 2018-08-11 01:22:17
Local clock offset: 0.126 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-08-11 06:23:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 118.36 Mbit/s
95th percentile per-packet one-way delay: 67.376 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 118.36 Mbit/s
95th percentile per-packet one-way delay: 67.376 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-08-11 01:44:16

End at: 2018-08-11 01:44:46

Local clock offset: 0.276 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-08-11 06:23:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.71 Mbit/s

95th percentile per-packet one-way delay: 62.525 ms

Loss rate: 0.00%

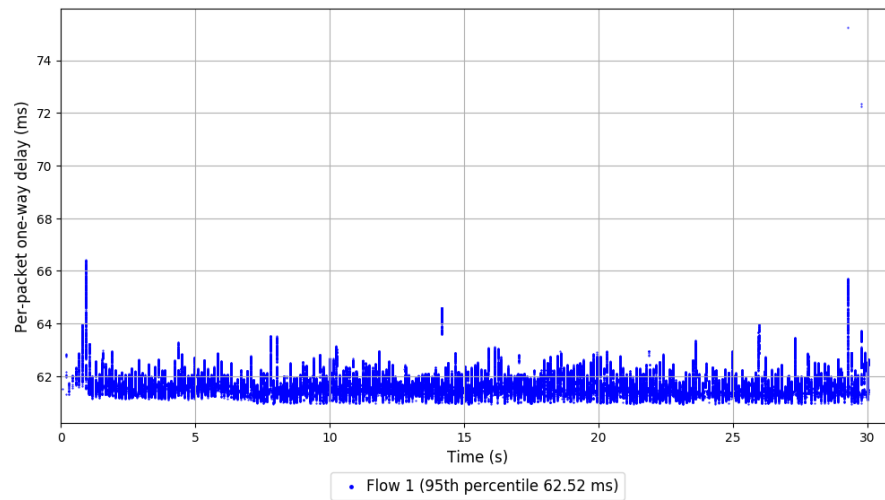
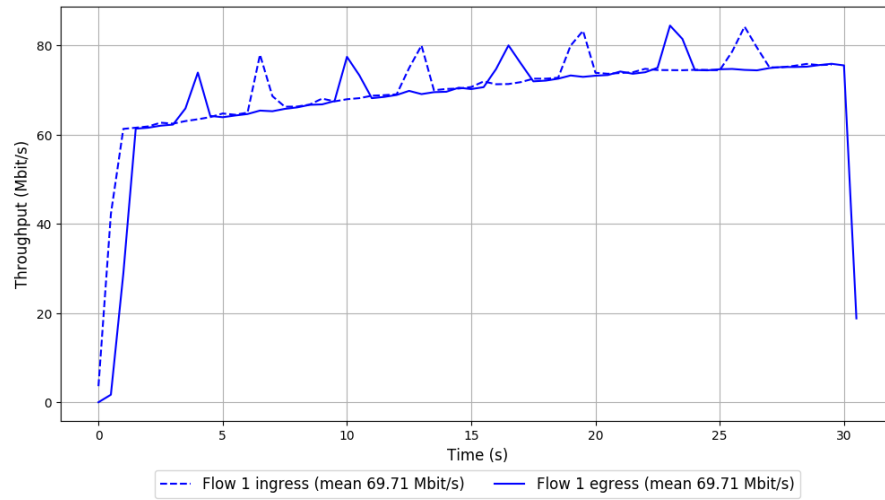
-- Flow 1:

Average throughput: 69.71 Mbit/s

95th percentile per-packet one-way delay: 62.525 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-08-11 02:07:22

End at: 2018-08-11 02:07:52

Local clock offset: 0.802 ms

Remote clock offset: -0.164 ms

Below is generated by plot.py at 2018-08-11 06:23:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 126.48 Mbit/s

95th percentile per-packet one-way delay: 62.067 ms

Loss rate: 0.00%

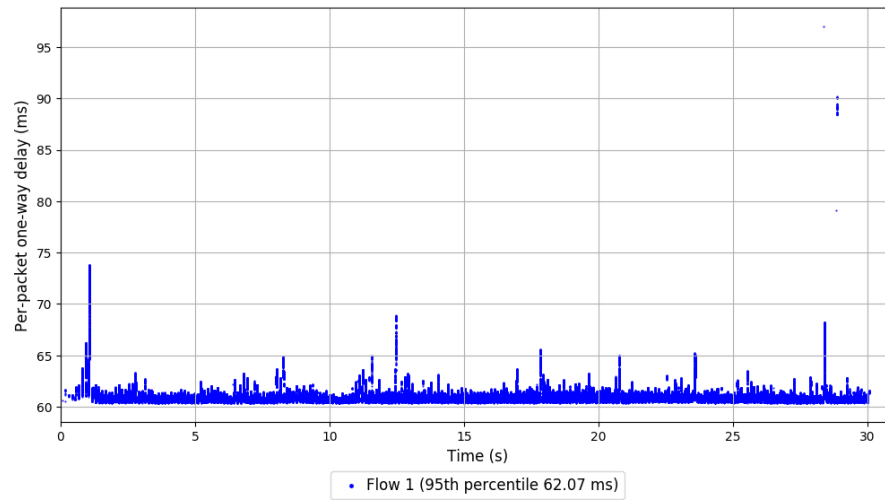
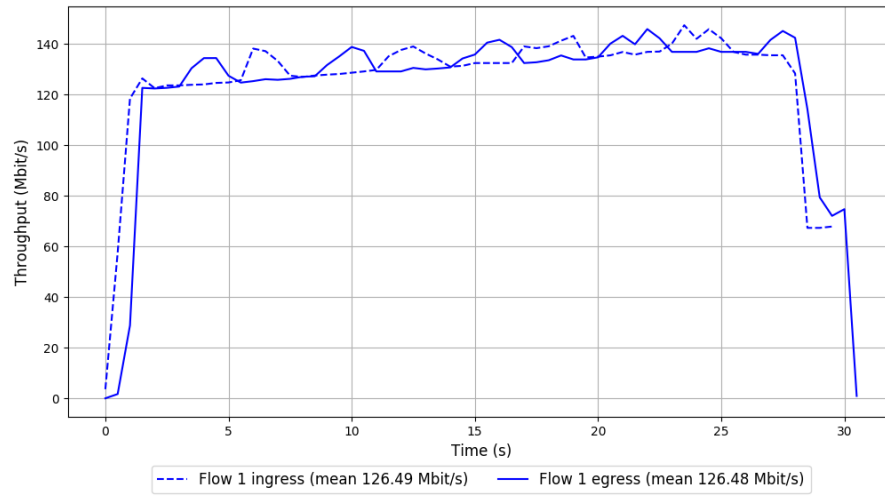
-- Flow 1:

Average throughput: 126.48 Mbit/s

95th percentile per-packet one-way delay: 62.067 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

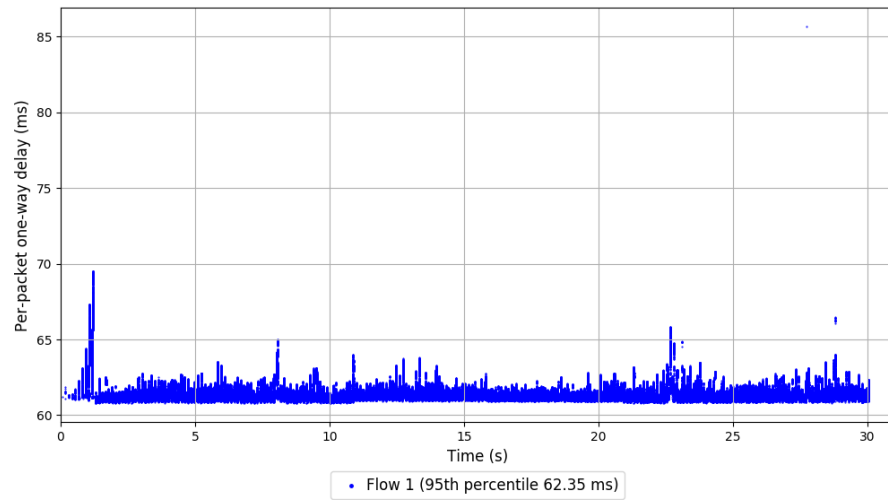
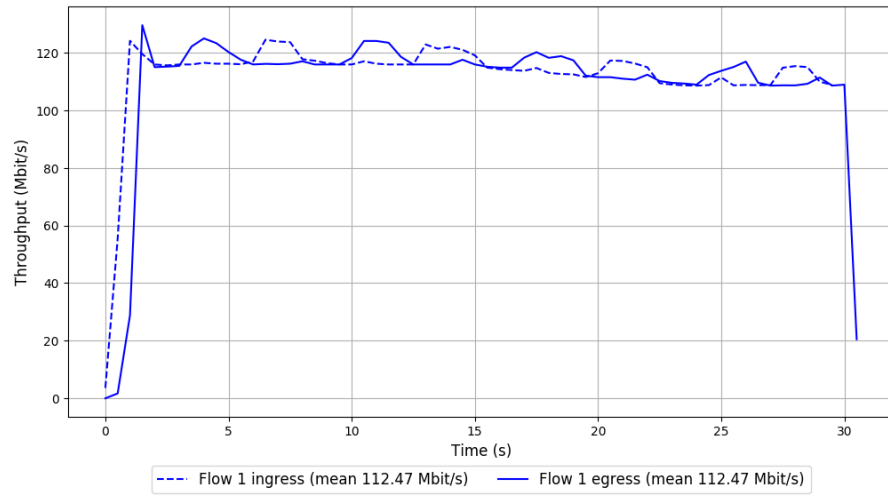


Run 6: Statistics of TCP Vegas

Start at: 2018-08-11 02:30:22
End at: 2018-08-11 02:30:52
Local clock offset: 0.631 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-08-11 06:23:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 112.47 Mbit/s
95th percentile per-packet one-way delay: 62.354 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 112.47 Mbit/s
95th percentile per-packet one-way delay: 62.354 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

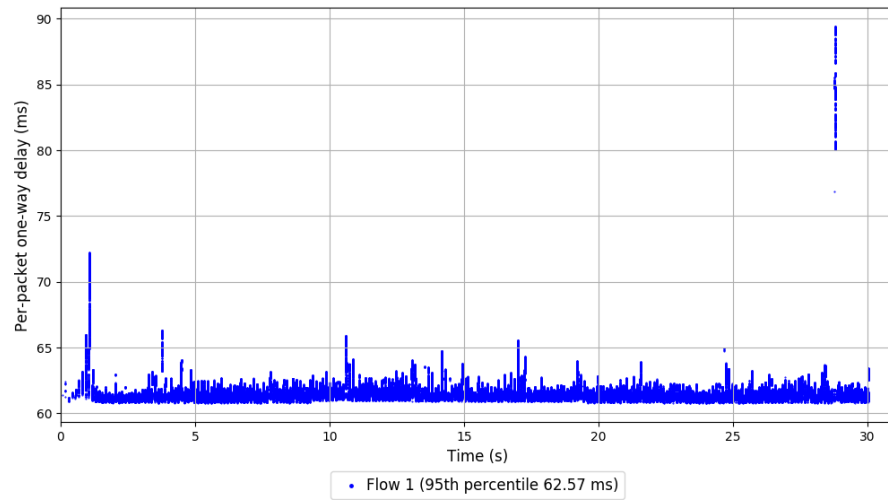
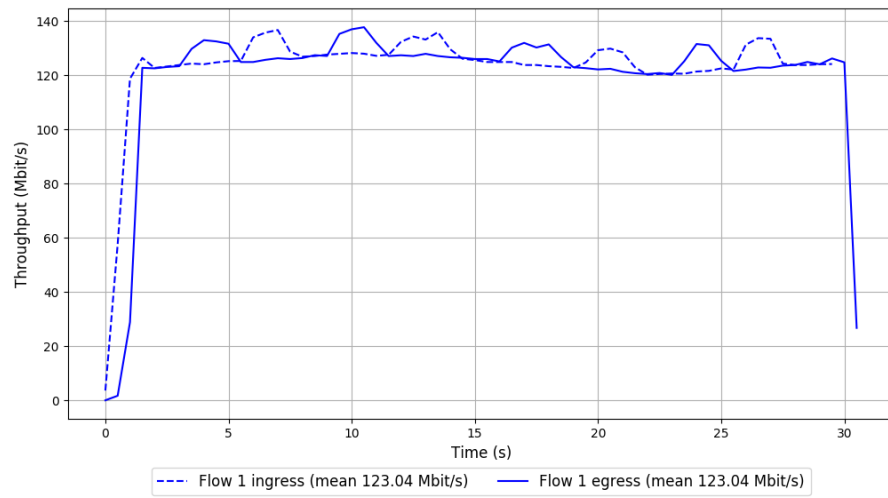


Run 7: Statistics of TCP Vegas

Start at: 2018-08-11 02:53:14
End at: 2018-08-11 02:53:44
Local clock offset: 0.78 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-08-11 06:23:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 123.04 Mbit/s
95th percentile per-packet one-way delay: 62.571 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 123.04 Mbit/s
95th percentile per-packet one-way delay: 62.571 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

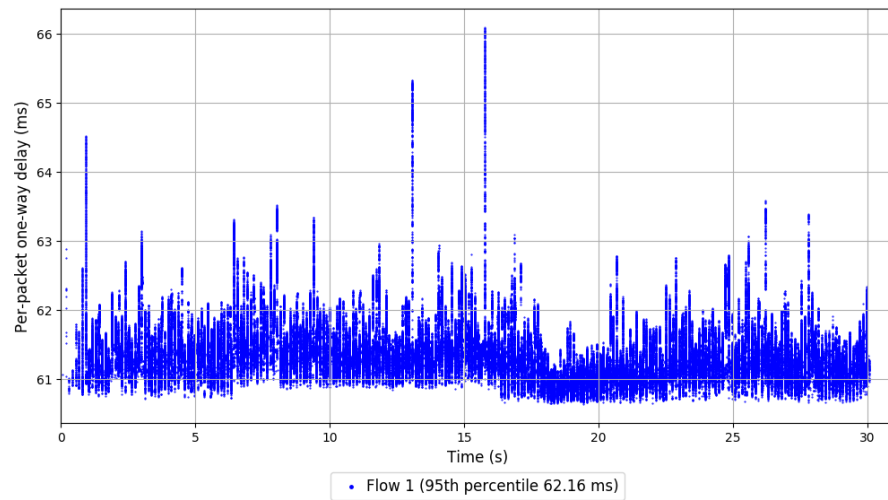
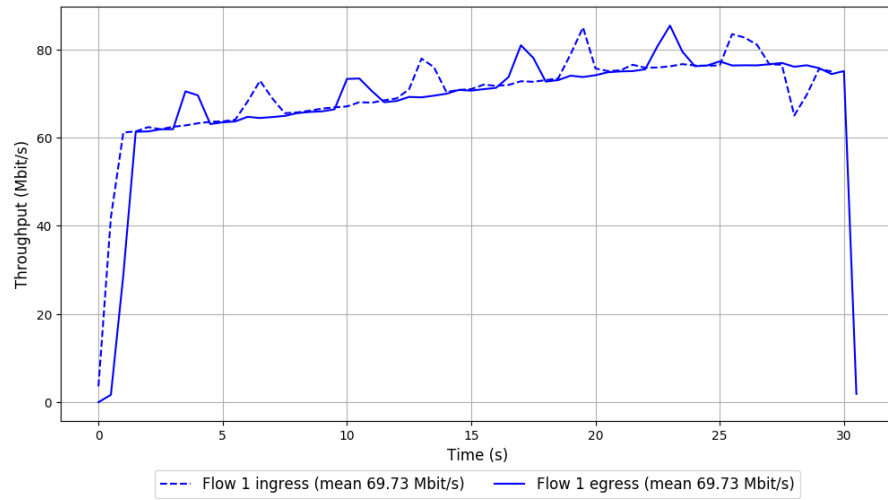


Run 8: Statistics of TCP Vegas

Start at: 2018-08-11 03:15:37
End at: 2018-08-11 03:16:07
Local clock offset: 0.483 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-08-11 06:23:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.73 Mbit/s
95th percentile per-packet one-way delay: 62.155 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.73 Mbit/s
95th percentile per-packet one-way delay: 62.155 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

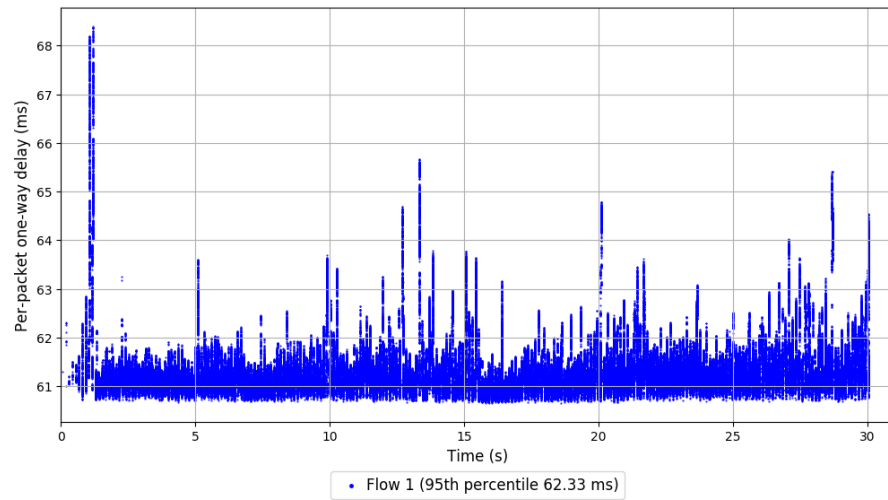
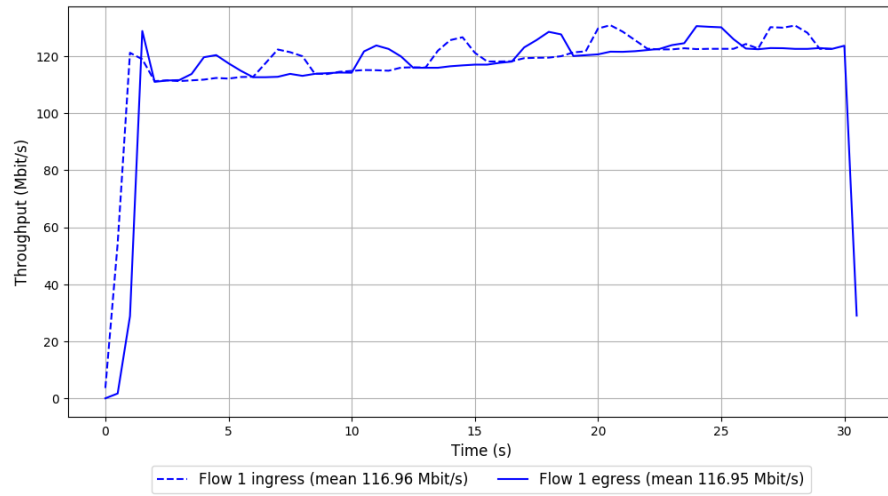


Run 9: Statistics of TCP Vegas

Start at: 2018-08-11 03:38:32
End at: 2018-08-11 03:39:02
Local clock offset: -0.132 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-08-11 06:23:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 116.95 Mbit/s
95th percentile per-packet one-way delay: 62.334 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 116.95 Mbit/s
95th percentile per-packet one-way delay: 62.334 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-08-11 04:01:16

End at: 2018-08-11 04:01:46

Local clock offset: -0.407 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-08-11 06:23:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.78 Mbit/s

95th percentile per-packet one-way delay: 62.554 ms

Loss rate: 0.00%

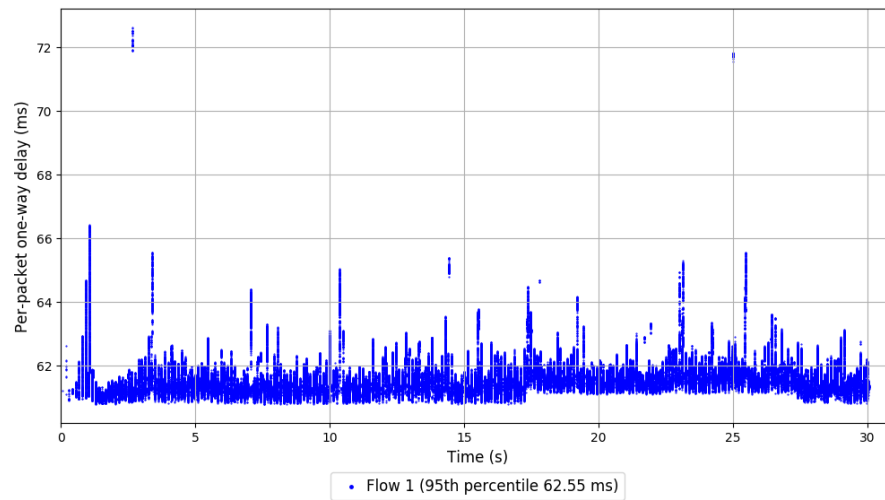
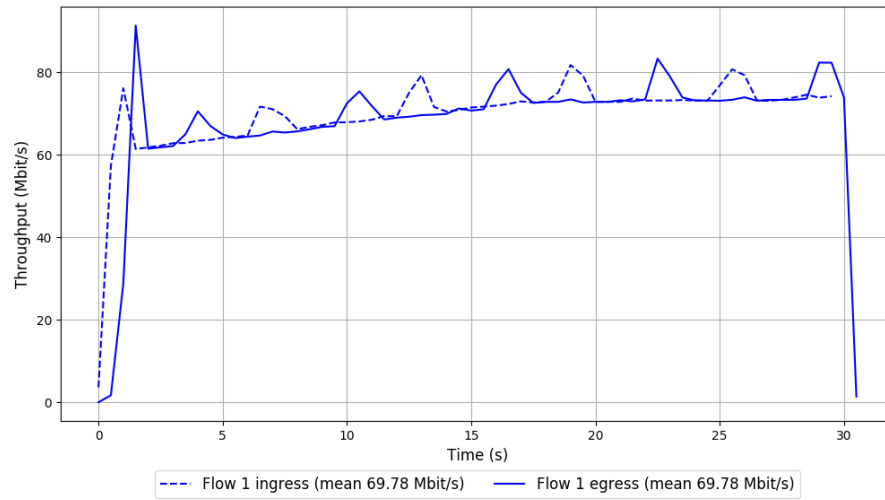
-- Flow 1:

Average throughput: 69.78 Mbit/s

95th percentile per-packet one-way delay: 62.554 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-08-11 00:54:22

End at: 2018-08-11 00:54:52

Local clock offset: 0.619 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-08-11 06:26:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 261.16 Mbit/s

95th percentile per-packet one-way delay: 124.878 ms

Loss rate: 0.05%

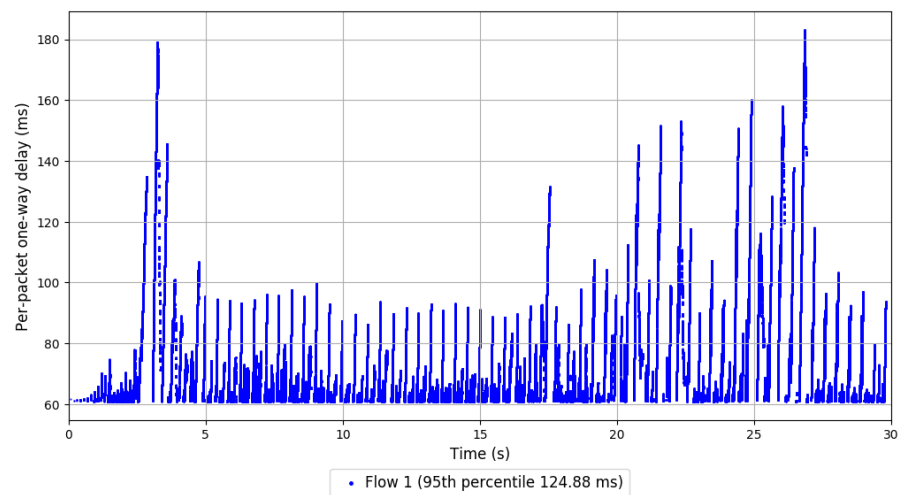
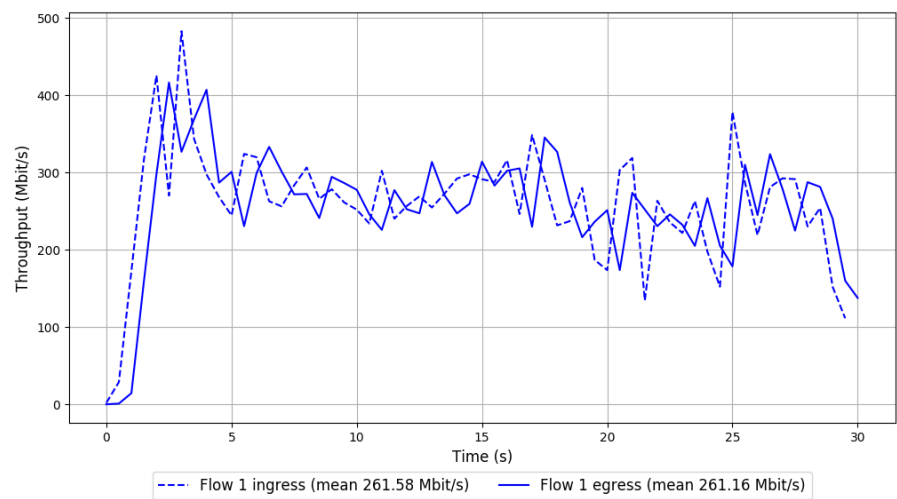
-- Flow 1:

Average throughput: 261.16 Mbit/s

95th percentile per-packet one-way delay: 124.878 ms

Loss rate: 0.05%

Run 1: Report of Verus — Data Link

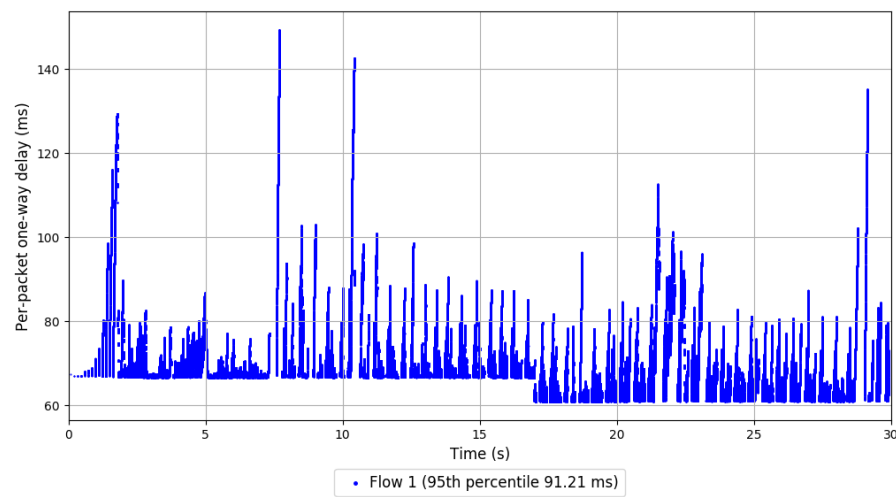
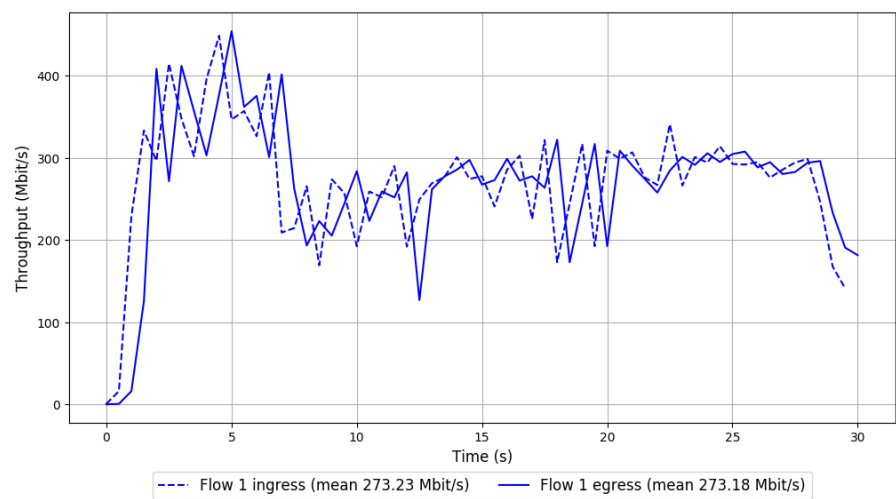


Run 2: Statistics of Verus

Start at: 2018-08-11 01:17:06
End at: 2018-08-11 01:17:36
Local clock offset: 0.152 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-08-11 06:26:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 273.18 Mbit/s
95th percentile per-packet one-way delay: 91.213 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 273.18 Mbit/s
95th percentile per-packet one-way delay: 91.213 ms
Loss rate: 0.00%

Run 2: Report of Verus — Data Link

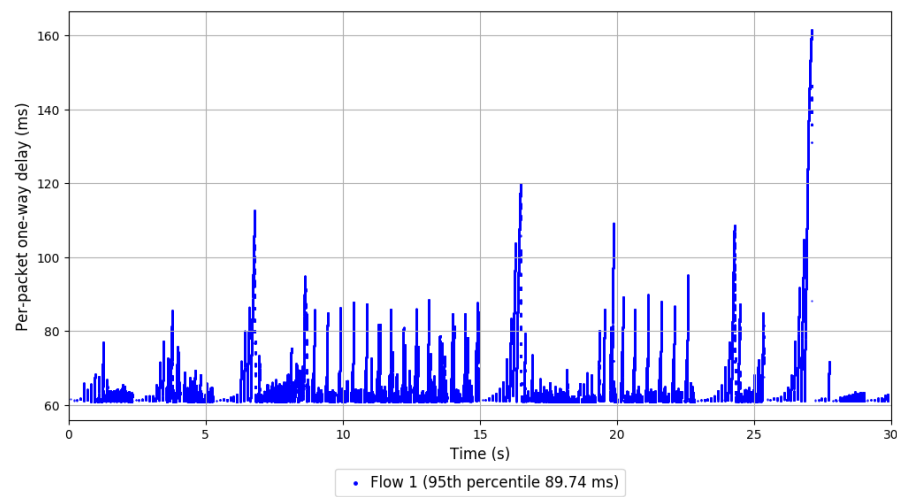
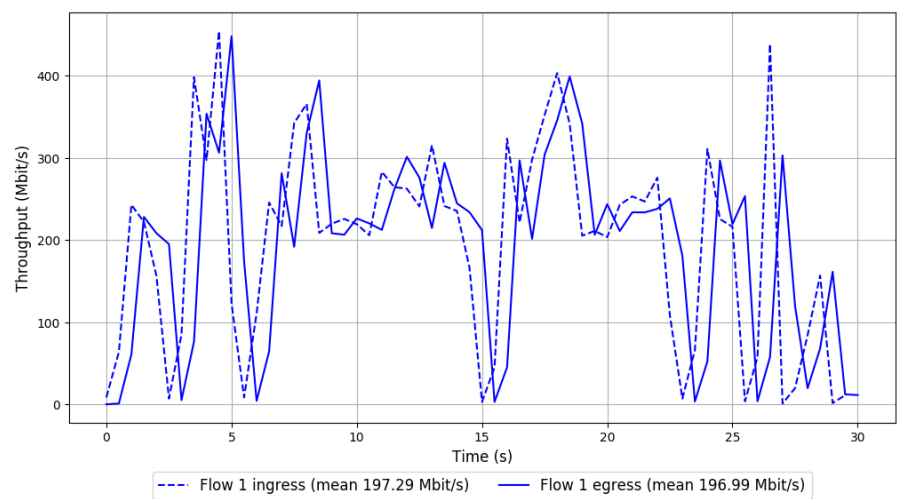


Run 3: Statistics of Verus

Start at: 2018-08-11 01:39:39
End at: 2018-08-11 01:40:09
Local clock offset: 0.262 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-08-11 06:26:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 196.99 Mbit/s
95th percentile per-packet one-way delay: 89.743 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 196.99 Mbit/s
95th percentile per-packet one-way delay: 89.743 ms
Loss rate: 0.15%

Run 3: Report of Verus — Data Link

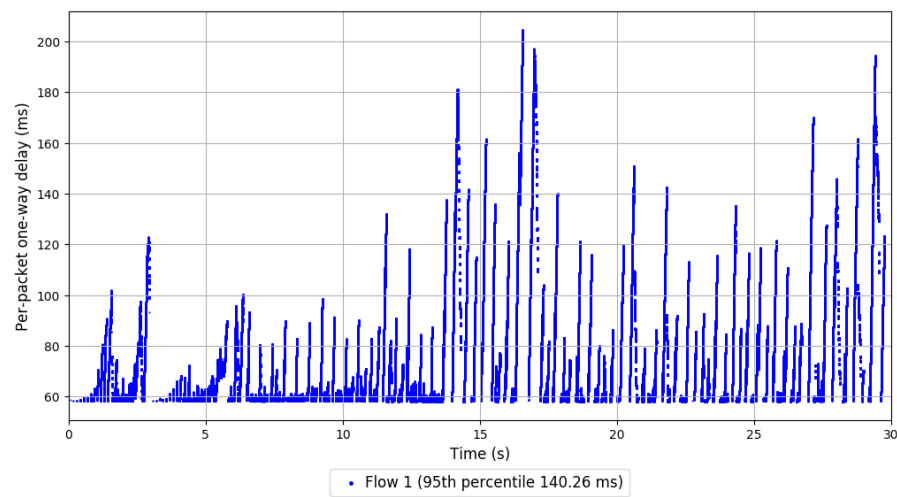
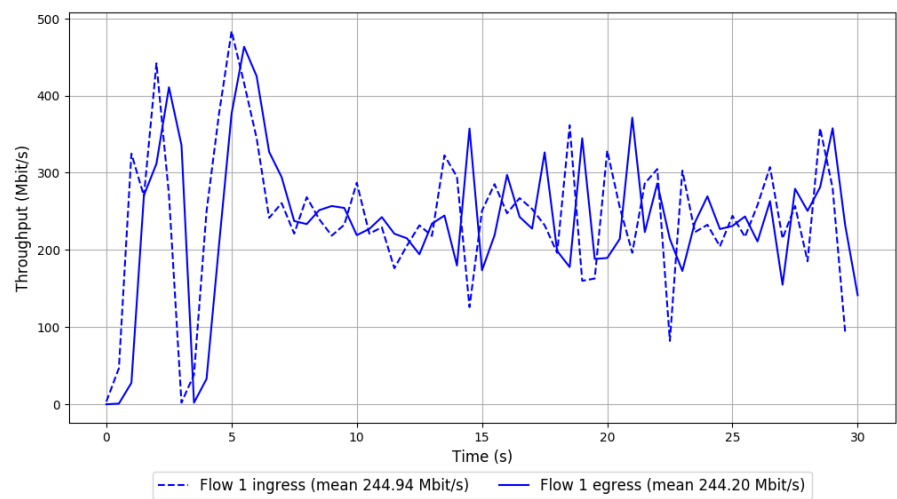


Run 4: Statistics of Verus

Start at: 2018-08-11 02:02:42
End at: 2018-08-11 02:03:12
Local clock offset: 0.364 ms
Remote clock offset: -2.944 ms

Below is generated by plot.py at 2018-08-11 06:26:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 244.20 Mbit/s
95th percentile per-packet one-way delay: 140.265 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 244.20 Mbit/s
95th percentile per-packet one-way delay: 140.265 ms
Loss rate: 0.08%

Run 4: Report of Verus — Data Link

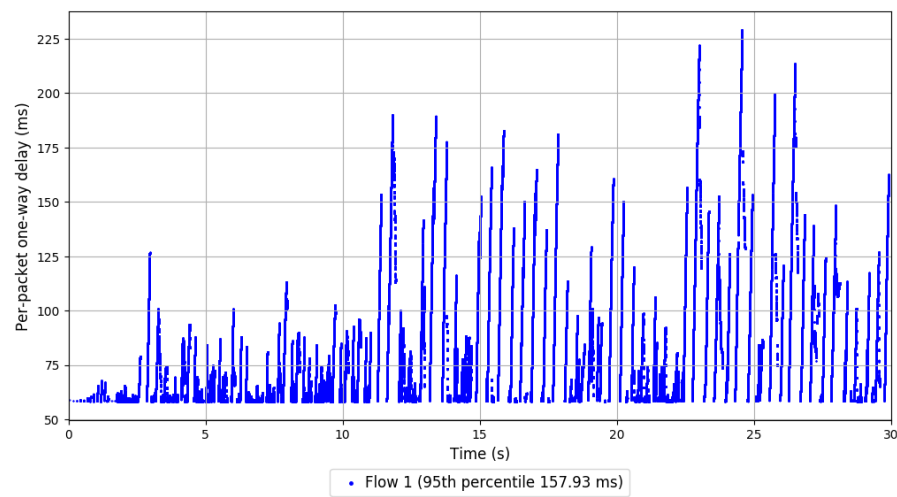
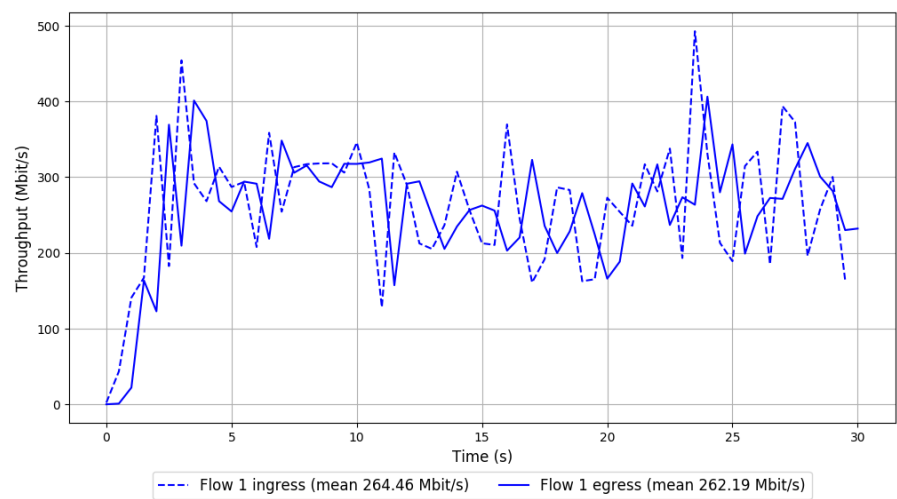


Run 5: Statistics of Verus

Start at: 2018-08-11 02:25:42
End at: 2018-08-11 02:26:12
Local clock offset: 0.532 ms
Remote clock offset: -2.757 ms

Below is generated by plot.py at 2018-08-11 06:27:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 262.19 Mbit/s
95th percentile per-packet one-way delay: 157.931 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 262.19 Mbit/s
95th percentile per-packet one-way delay: 157.931 ms
Loss rate: 0.52%

Run 5: Report of Verus — Data Link

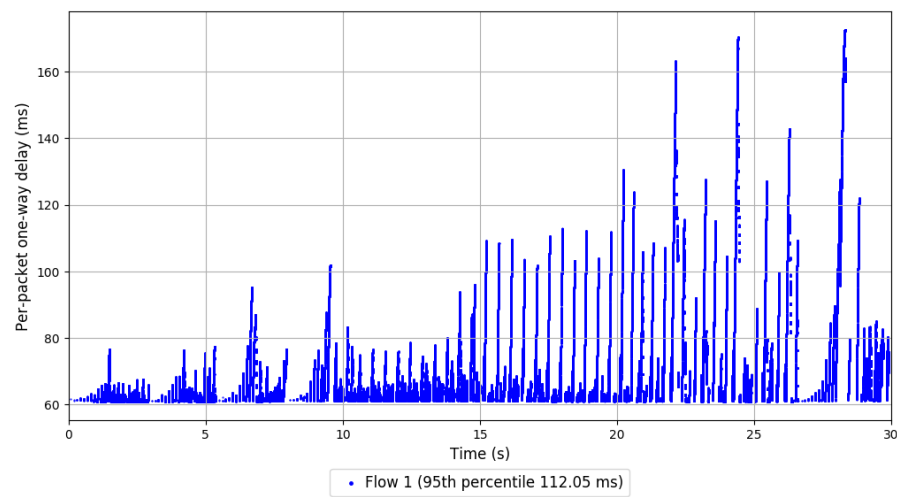
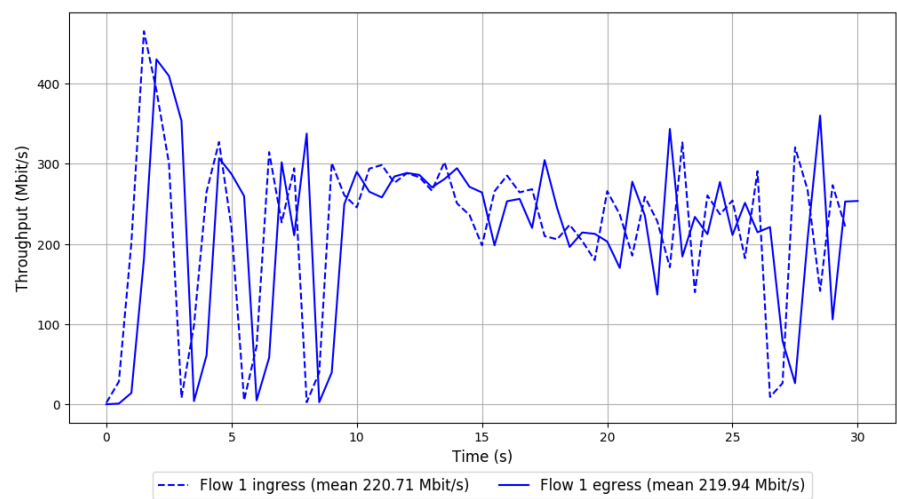


Run 6: Statistics of Verus

Start at: 2018-08-11 02:48:36
End at: 2018-08-11 02:49:06
Local clock offset: 0.705 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-08-11 06:27:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.94 Mbit/s
95th percentile per-packet one-way delay: 112.049 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 219.94 Mbit/s
95th percentile per-packet one-way delay: 112.049 ms
Loss rate: 0.35%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-08-11 03:10:59

End at: 2018-08-11 03:11:29

Local clock offset: 0.816 ms

Remote clock offset: 2.757 ms

Below is generated by plot.py at 2018-08-11 06:27:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.08 Mbit/s

95th percentile per-packet one-way delay: 111.120 ms

Loss rate: 0.00%

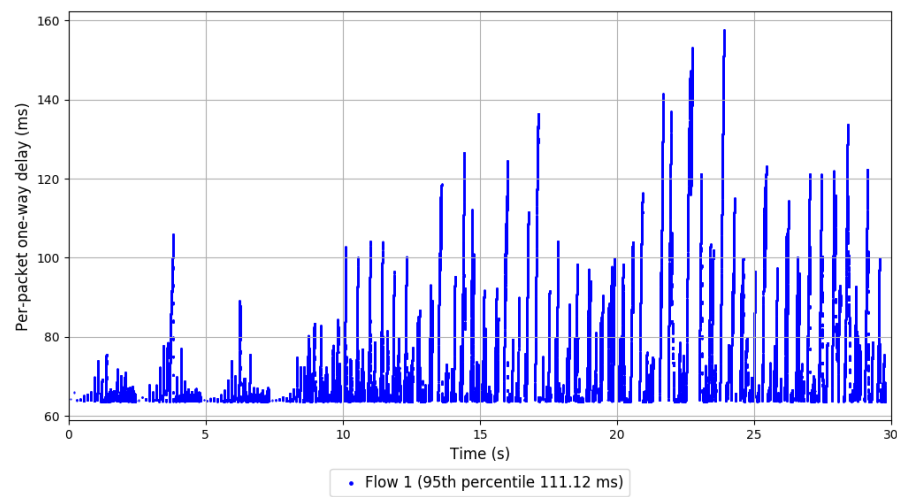
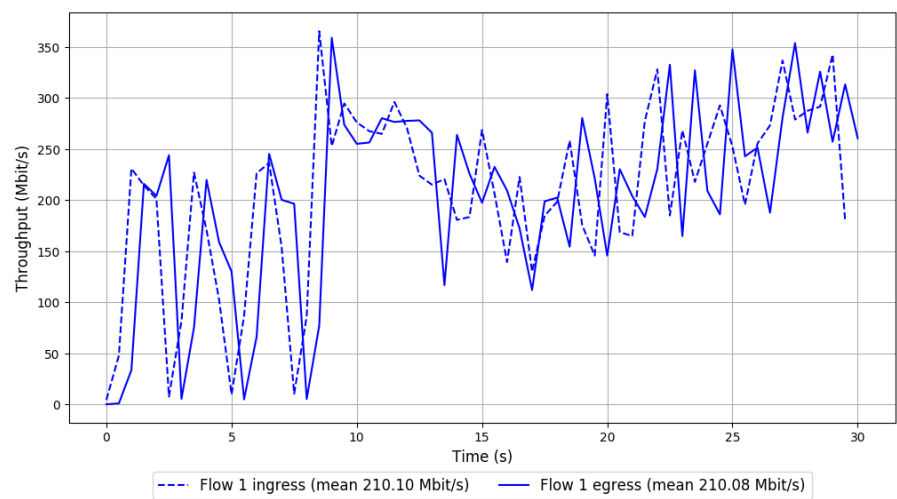
-- Flow 1:

Average throughput: 210.08 Mbit/s

95th percentile per-packet one-way delay: 111.120 ms

Loss rate: 0.00%

Run 7: Report of Verus — Data Link

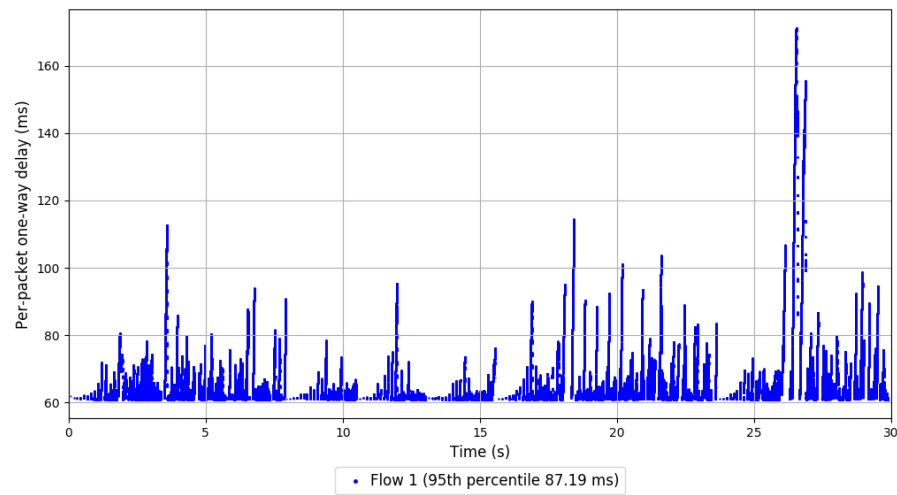
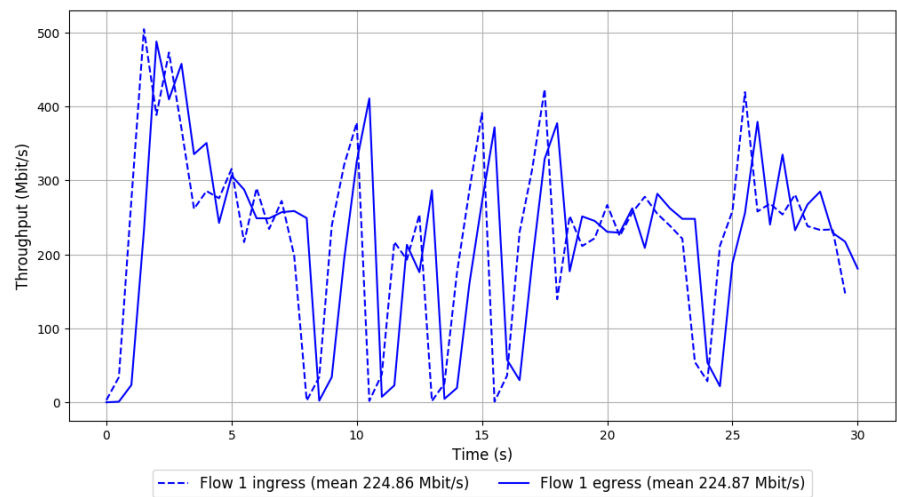


Run 8: Statistics of Verus

Start at: 2018-08-11 03:33:53
End at: 2018-08-11 03:34:23
Local clock offset: -0.105 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-08-11 06:27:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 224.87 Mbit/s
95th percentile per-packet one-way delay: 87.189 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 224.87 Mbit/s
95th percentile per-packet one-way delay: 87.189 ms
Loss rate: 0.00%

Run 8: Report of Verus — Data Link

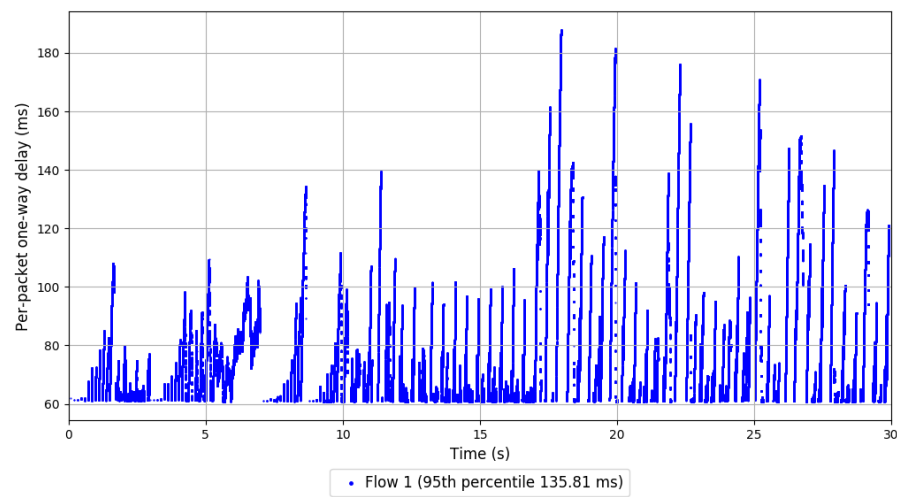
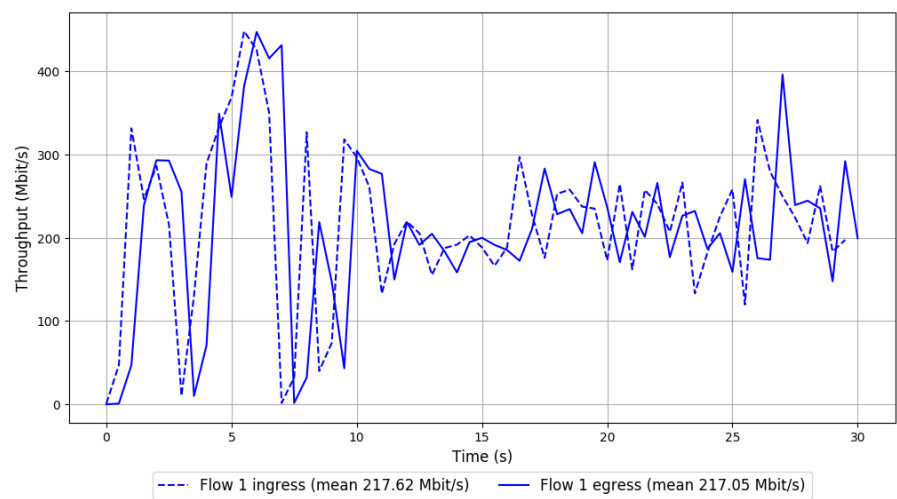


Run 9: Statistics of Verus

Start at: 2018-08-11 03:56:38
End at: 2018-08-11 03:57:08
Local clock offset: -0.365 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-08-11 06:28:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.05 Mbit/s
95th percentile per-packet one-way delay: 135.806 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 217.05 Mbit/s
95th percentile per-packet one-way delay: 135.806 ms
Loss rate: 0.07%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-08-11 04:19:11

End at: 2018-08-11 04:19:41

Local clock offset: -0.57 ms

Remote clock offset: 0.14 ms

Below is generated by plot.py at 2018-08-11 06:29:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.06 Mbit/s

95th percentile per-packet one-way delay: 99.576 ms

Loss rate: 0.09%

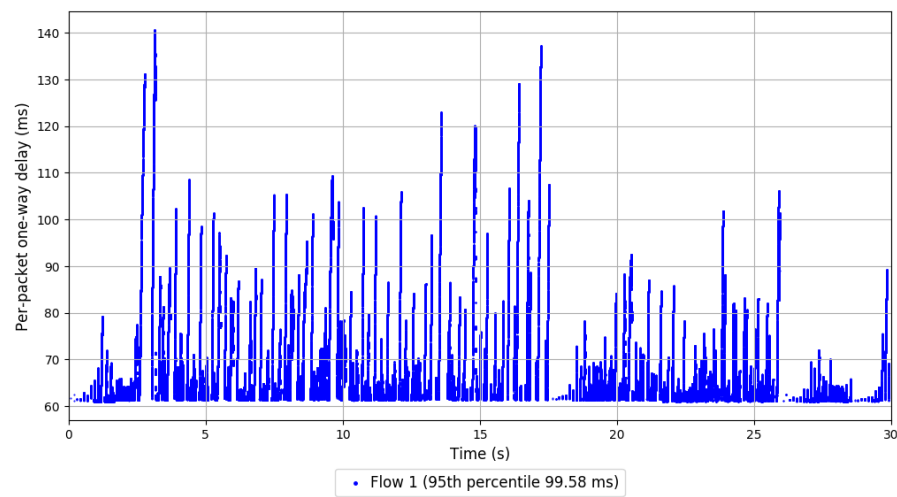
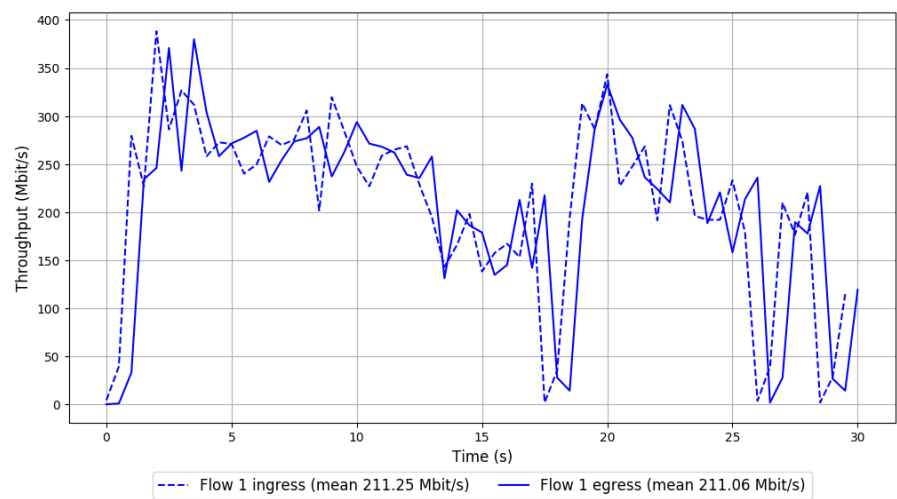
-- Flow 1:

Average throughput: 211.06 Mbit/s

95th percentile per-packet one-way delay: 99.576 ms

Loss rate: 0.09%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-08-11 00:39:49

End at: 2018-08-11 00:40:19

Local clock offset: 0.481 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-08-11 06:33:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 397.02 Mbit/s

95th percentile per-packet one-way delay: 77.640 ms

Loss rate: 0.00%

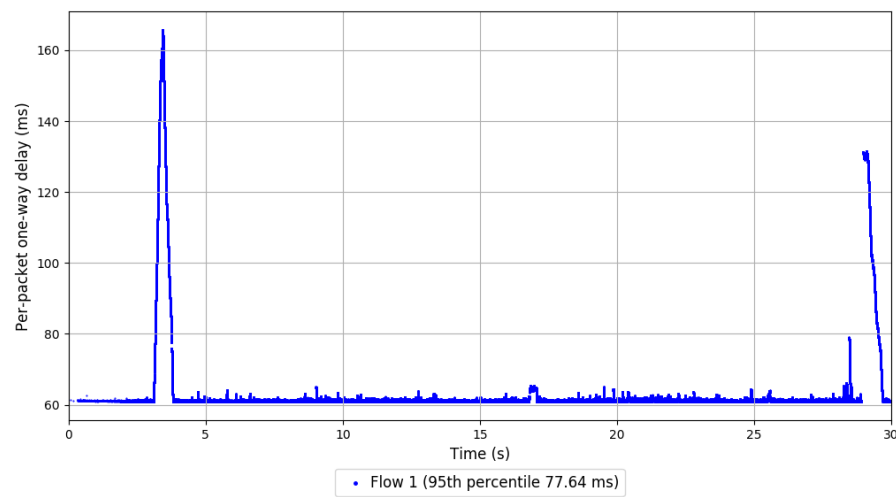
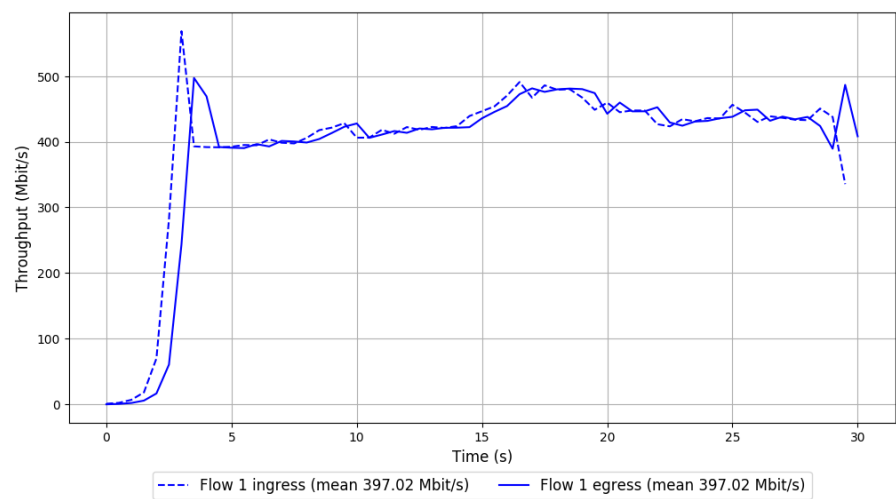
-- Flow 1:

Average throughput: 397.02 Mbit/s

95th percentile per-packet one-way delay: 77.640 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

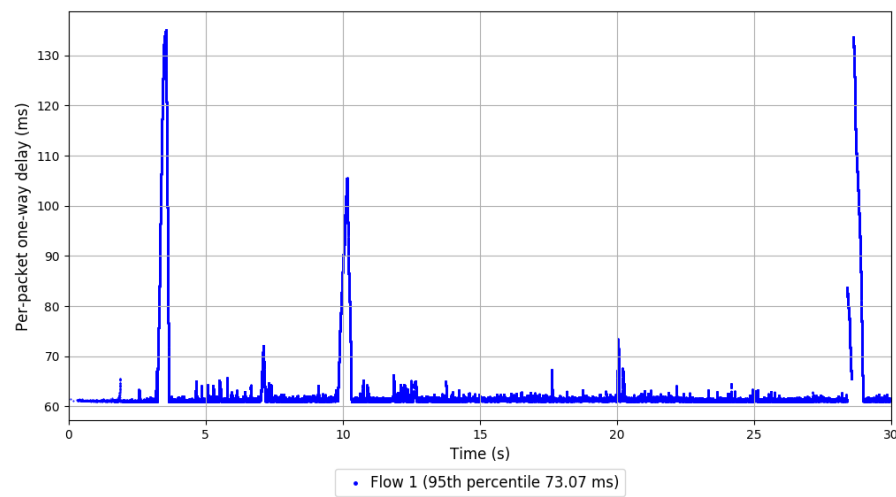
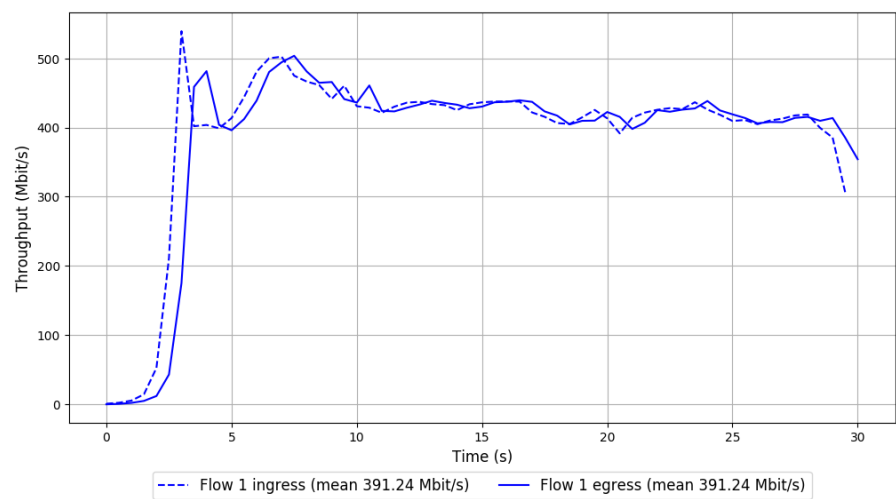


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-11 01:02:49
End at: 2018-08-11 01:03:19
Local clock offset: 0.223 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-08-11 06:33:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 391.24 Mbit/s
95th percentile per-packet one-way delay: 73.071 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 391.24 Mbit/s
95th percentile per-packet one-way delay: 73.071 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

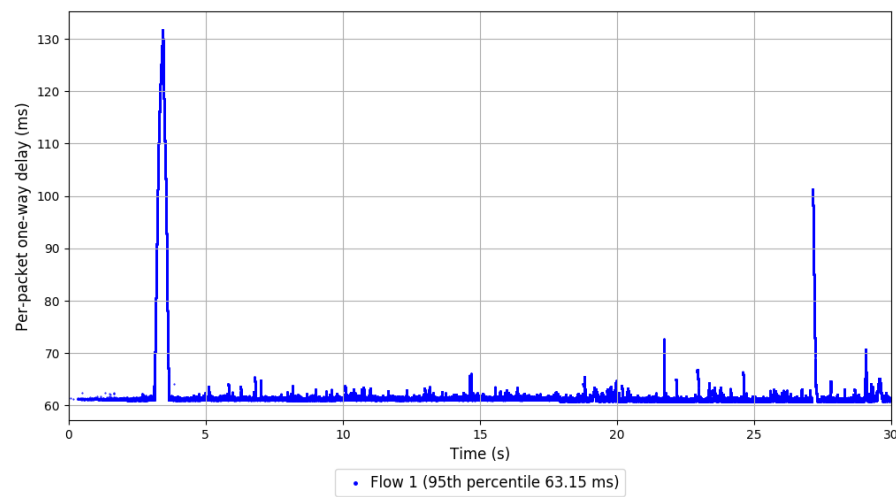
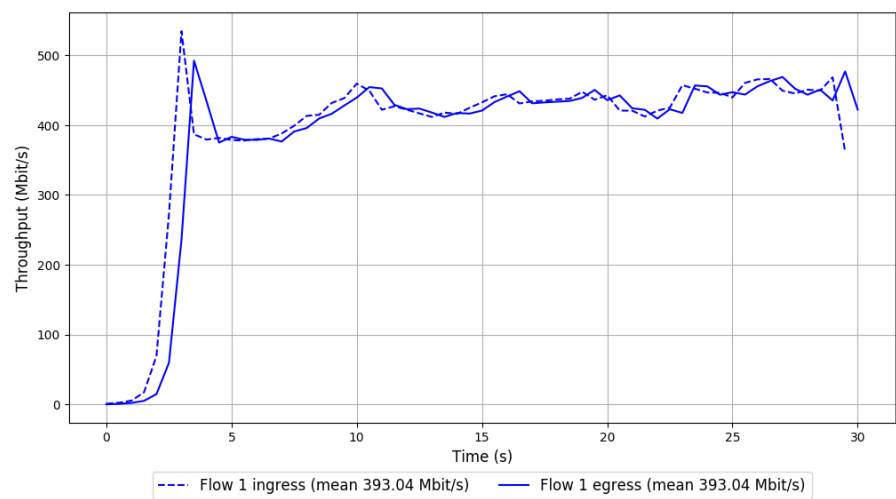


Run 3: Statistics of PCC-Vivace

Start at: 2018-08-11 01:25:35
End at: 2018-08-11 01:26:05
Local clock offset: 0.159 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-08-11 06:33:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 393.04 Mbit/s
95th percentile per-packet one-way delay: 63.152 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 393.04 Mbit/s
95th percentile per-packet one-way delay: 63.152 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

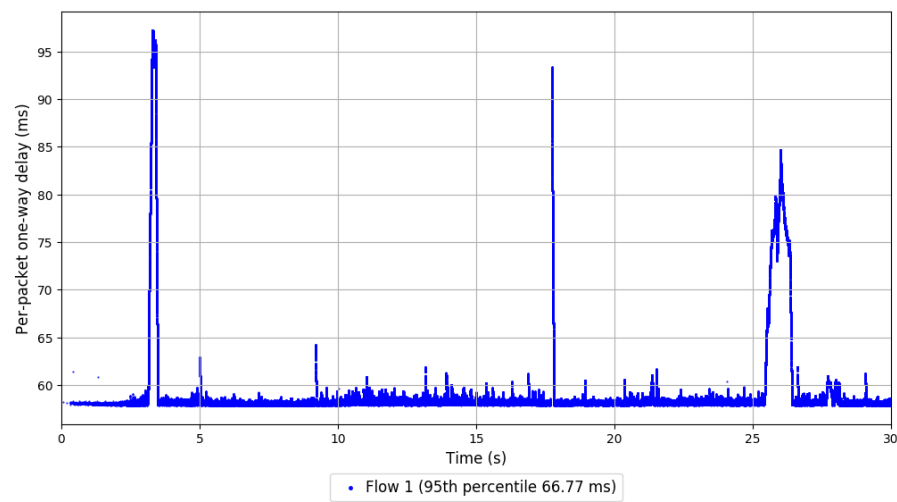
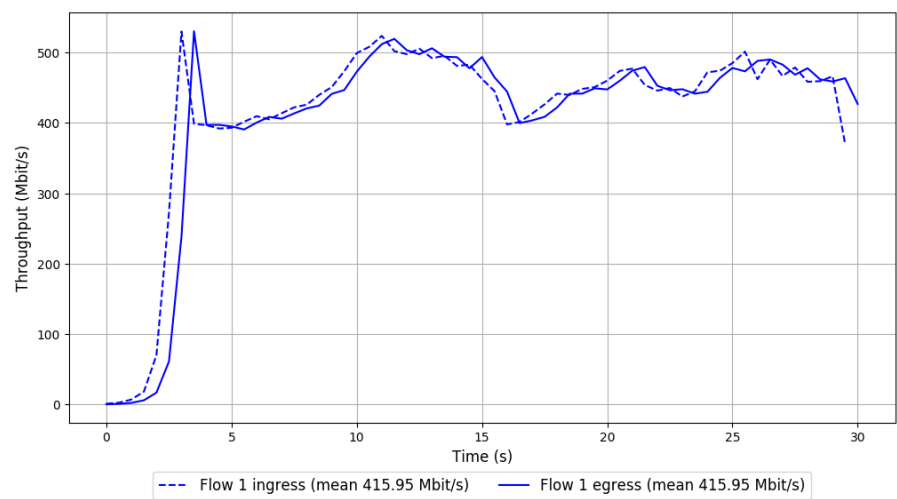


Run 4: Statistics of PCC-Vivace

Start at: 2018-08-11 01:48:01
End at: 2018-08-11 01:48:31
Local clock offset: 0.313 ms
Remote clock offset: -3.008 ms

Below is generated by plot.py at 2018-08-11 06:34:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 415.95 Mbit/s
95th percentile per-packet one-way delay: 66.774 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 415.95 Mbit/s
95th percentile per-packet one-way delay: 66.774 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

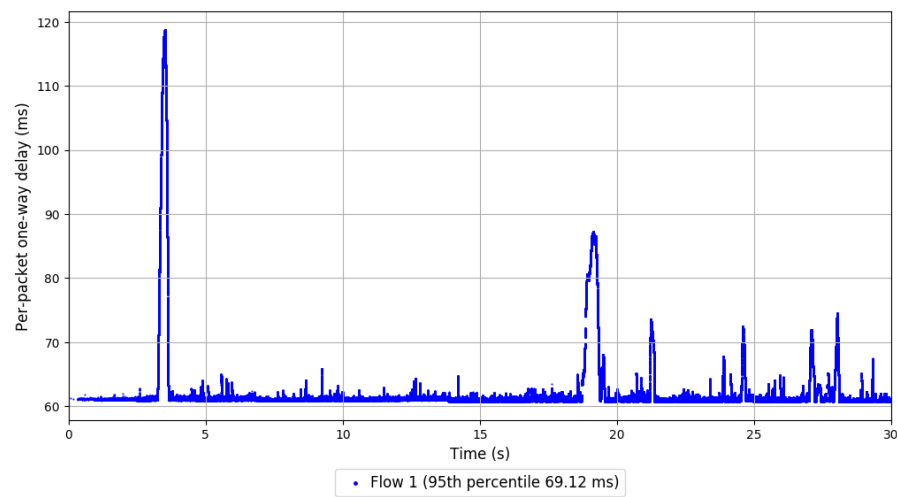
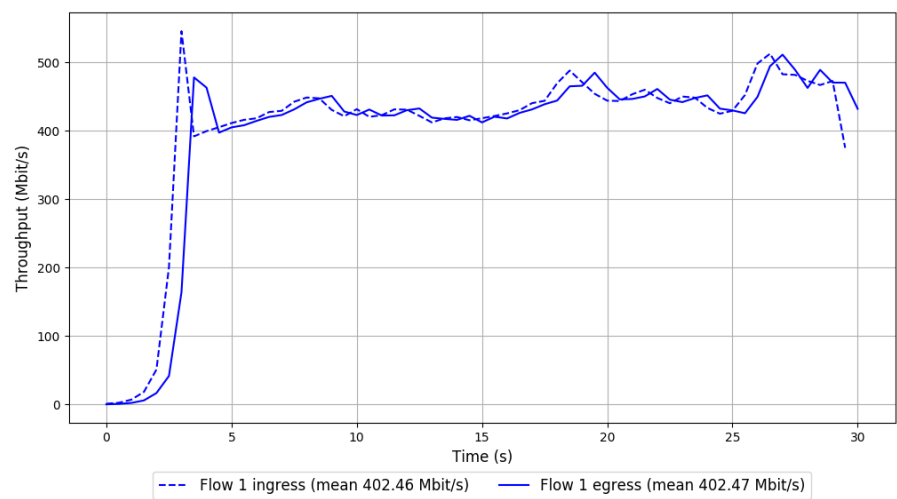


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-11 02:11:09
End at: 2018-08-11 02:11:39
Local clock offset: 0.42 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-08-11 06:34:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 402.47 Mbit/s
95th percentile per-packet one-way delay: 69.120 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 402.47 Mbit/s
95th percentile per-packet one-way delay: 69.120 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-08-11 02:34:09

End at: 2018-08-11 02:34:39

Local clock offset: 0.6 ms

Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-08-11 06:35:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 397.15 Mbit/s

95th percentile per-packet one-way delay: 69.707 ms

Loss rate: 0.00%

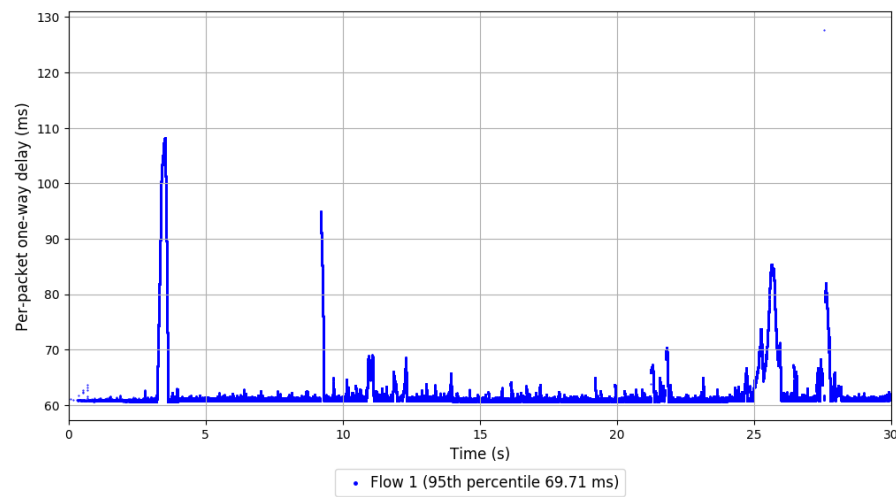
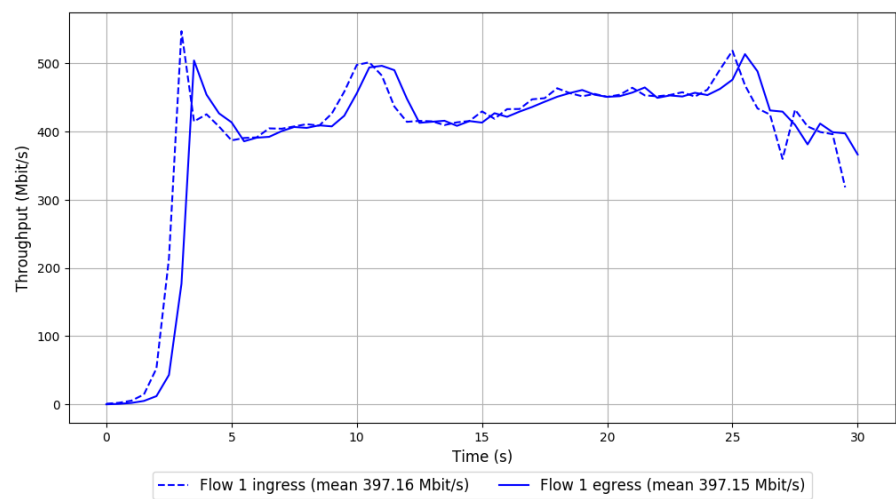
-- Flow 1:

Average throughput: 397.15 Mbit/s

95th percentile per-packet one-way delay: 69.707 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link

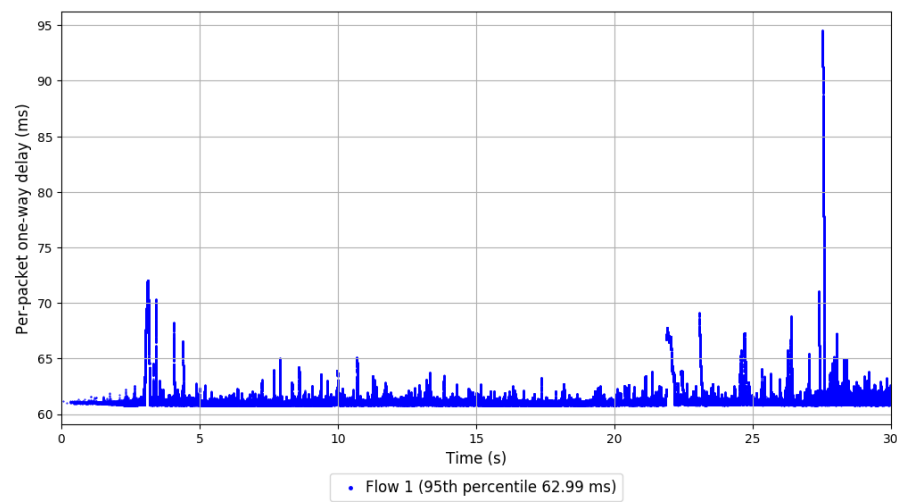
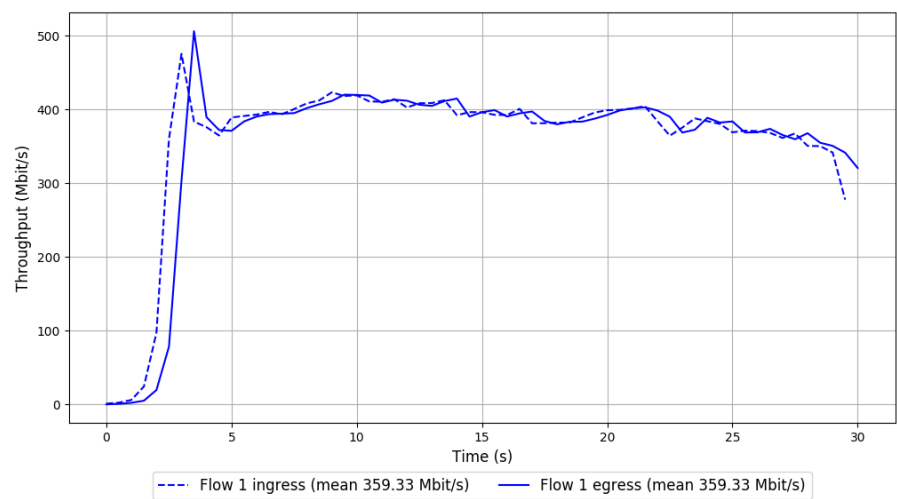


Run 7: Statistics of PCC-Vivace

Start at: 2018-08-11 02:57:00
End at: 2018-08-11 02:57:30
Local clock offset: 0.796 ms
Remote clock offset: -0.184 ms

Below is generated by plot.py at 2018-08-11 06:35:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 359.33 Mbit/s
95th percentile per-packet one-way delay: 62.993 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 359.33 Mbit/s
95th percentile per-packet one-way delay: 62.993 ms
Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-08-11 03:19:21

End at: 2018-08-11 03:19:51

Local clock offset: 0.26 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-08-11 06:35:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 326.02 Mbit/s

95th percentile per-packet one-way delay: 62.800 ms

Loss rate: 0.02%

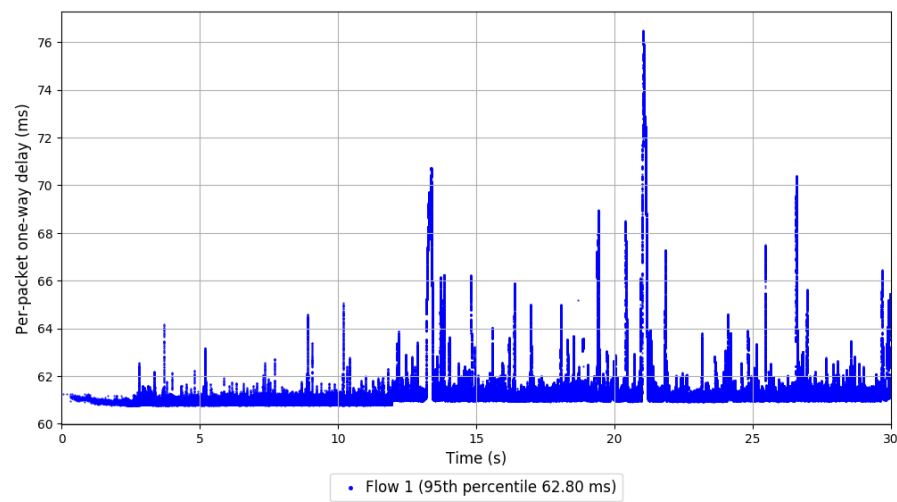
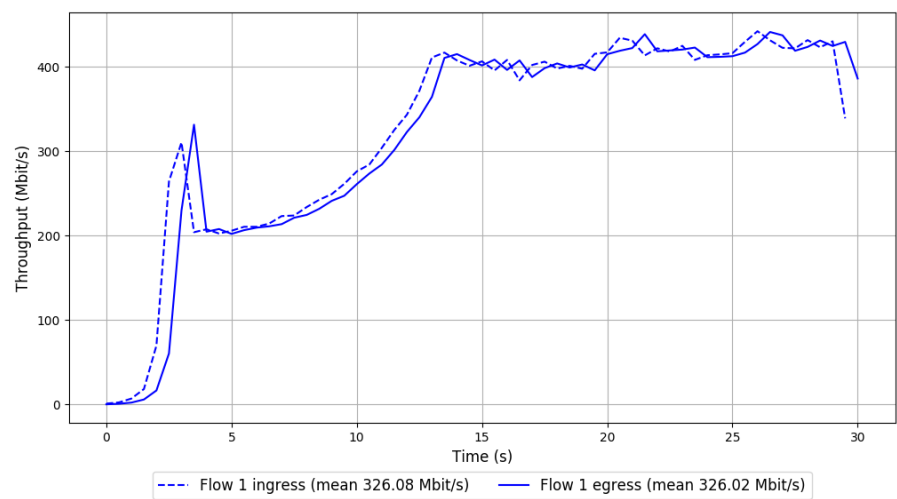
-- Flow 1:

Average throughput: 326.02 Mbit/s

95th percentile per-packet one-way delay: 62.800 ms

Loss rate: 0.02%

Run 8: Report of PCC-Vivace — Data Link

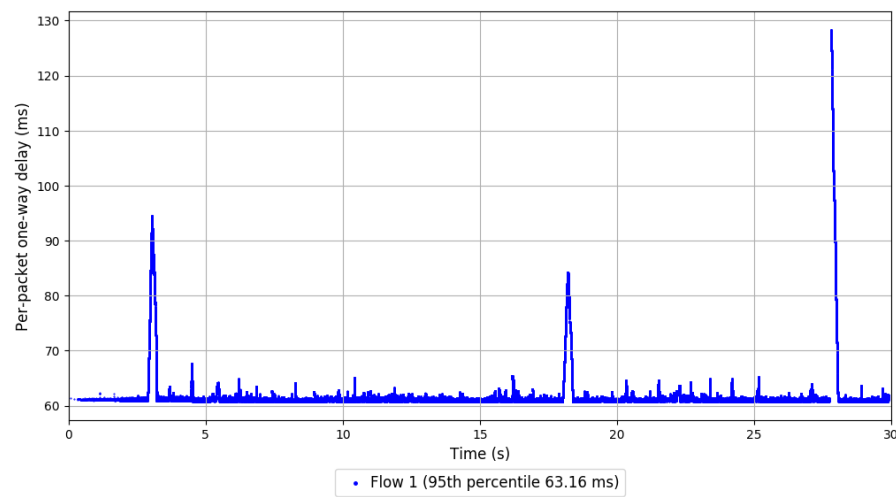
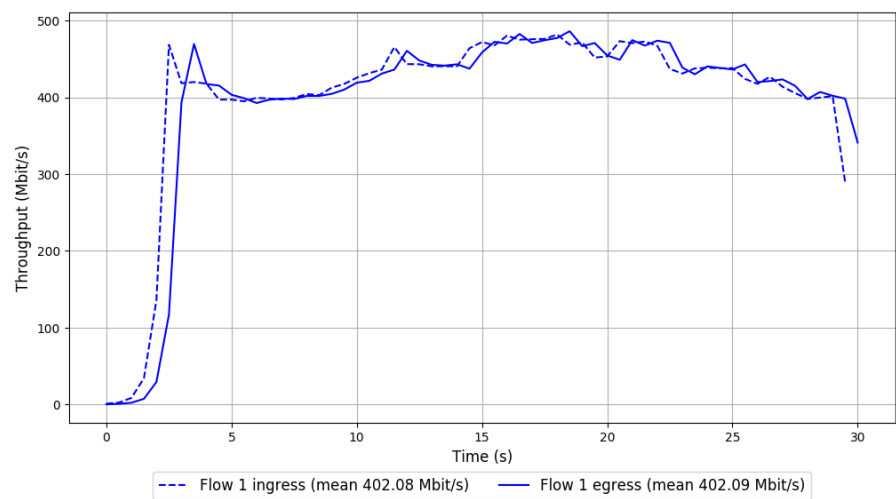


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-11 03:42:19
End at: 2018-08-11 03:42:49
Local clock offset: -0.276 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-08-11 06:36:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 402.09 Mbit/s
95th percentile per-packet one-way delay: 63.158 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 402.09 Mbit/s
95th percentile per-packet one-way delay: 63.158 ms
Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-08-11 04:04:59

End at: 2018-08-11 04:05:29

Local clock offset: -0.455 ms

Remote clock offset: 0.621 ms

Below is generated by plot.py at 2018-08-11 06:36:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 389.14 Mbit/s

95th percentile per-packet one-way delay: 64.961 ms

Loss rate: 0.00%

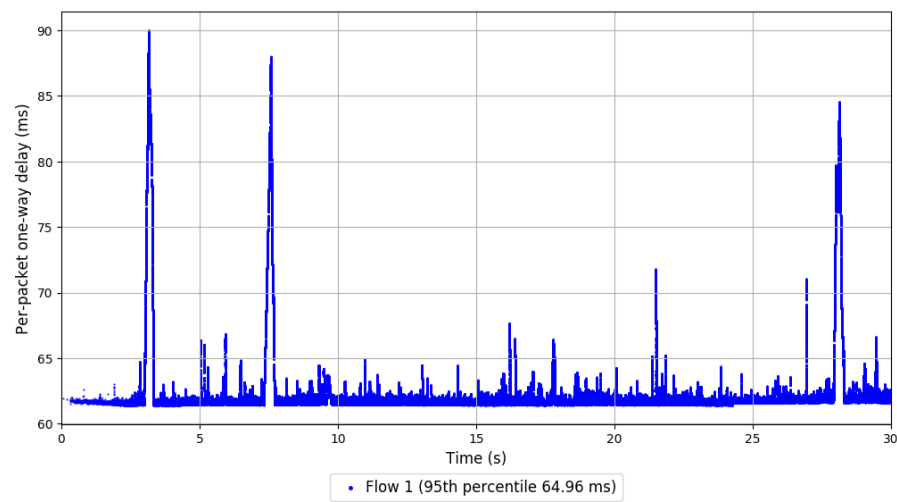
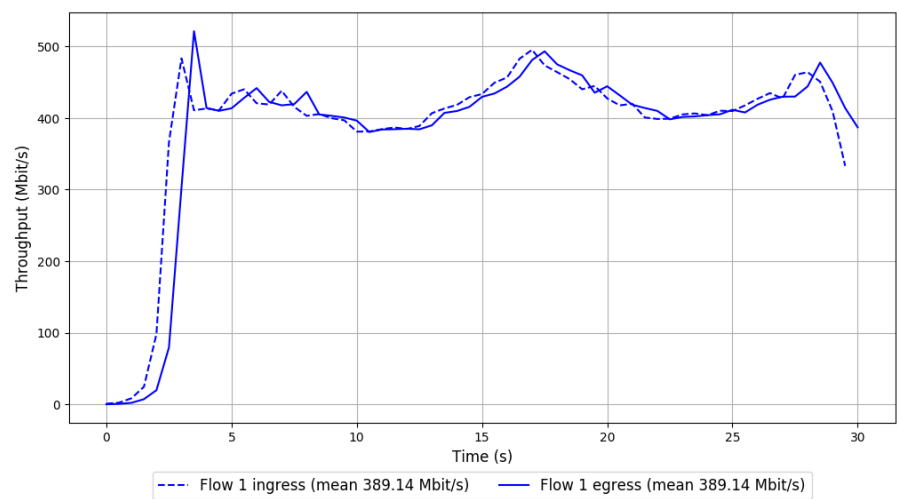
-- Flow 1:

Average throughput: 389.14 Mbit/s

95th percentile per-packet one-way delay: 64.961 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

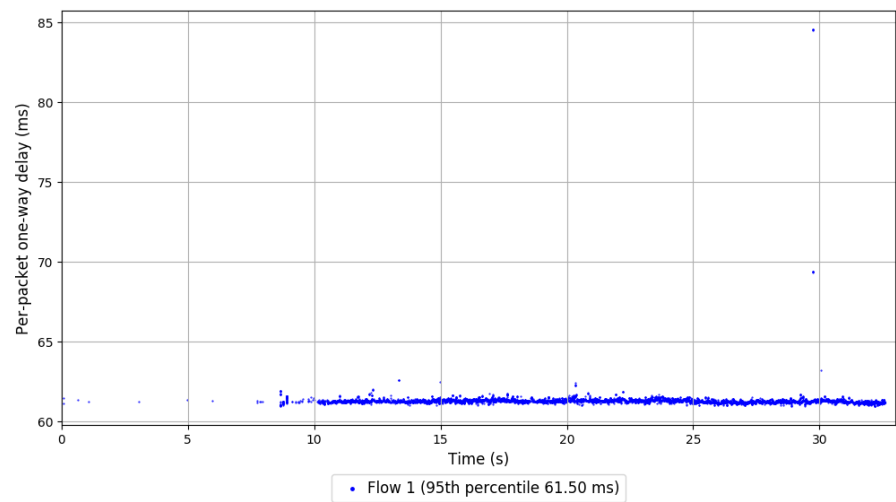
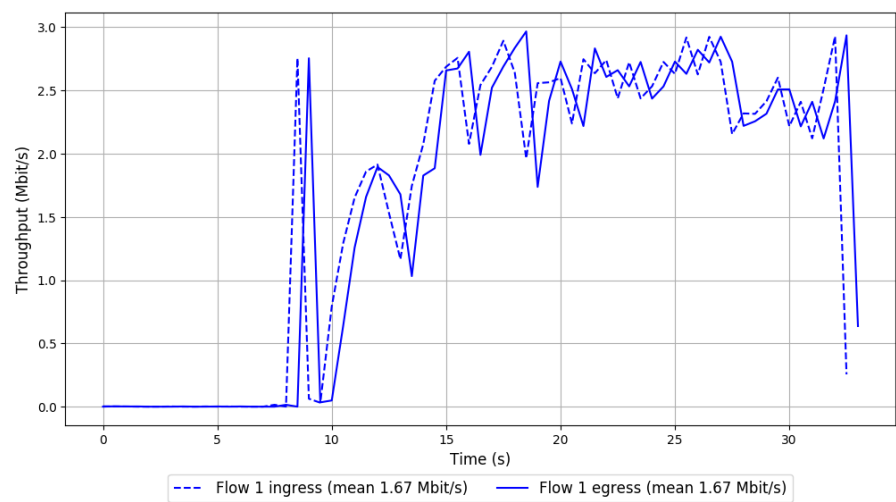


Run 1: Statistics of WebRTC media

Start at: 2018-08-11 00:56:51
End at: 2018-08-11 00:57:21
Local clock offset: 0.394 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-08-11 06:36:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.67 Mbit/s
95th percentile per-packet one-way delay: 61.502 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.67 Mbit/s
95th percentile per-packet one-way delay: 61.502 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

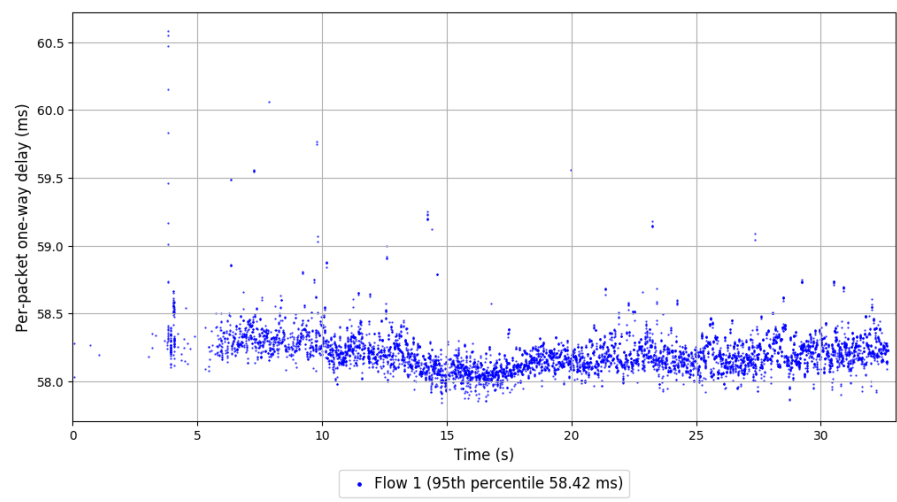
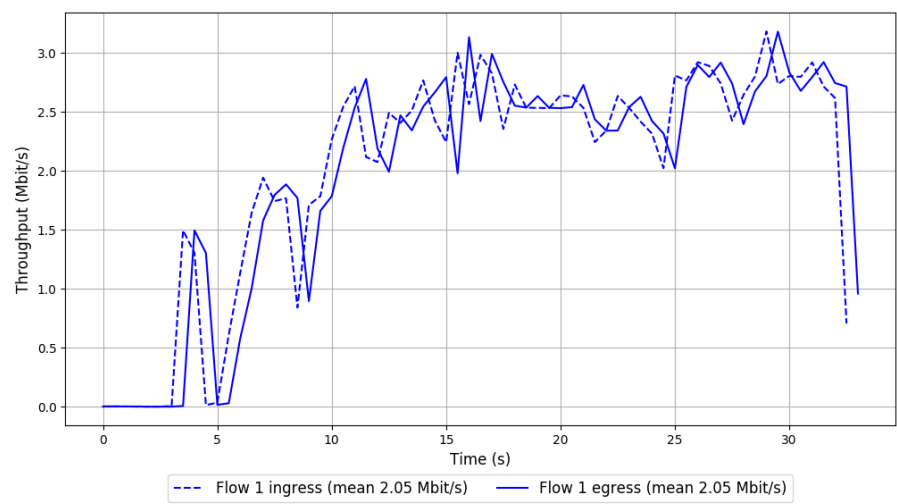


Run 2: Statistics of WebRTC media

Start at: 2018-08-11 01:19:35
End at: 2018-08-11 01:20:05
Local clock offset: 0.152 ms
Remote clock offset: -2.853 ms

Below is generated by plot.py at 2018-08-11 06:36:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 58.419 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 58.419 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-08-11 01:42:04

End at: 2018-08-11 01:42:34

Local clock offset: 0.276 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-08-11 06:36:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 61.589 ms

Loss rate: 0.00%

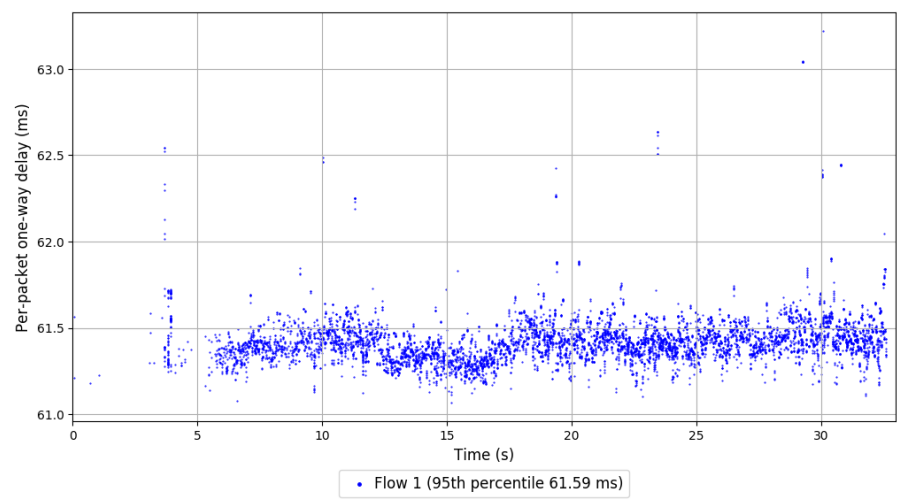
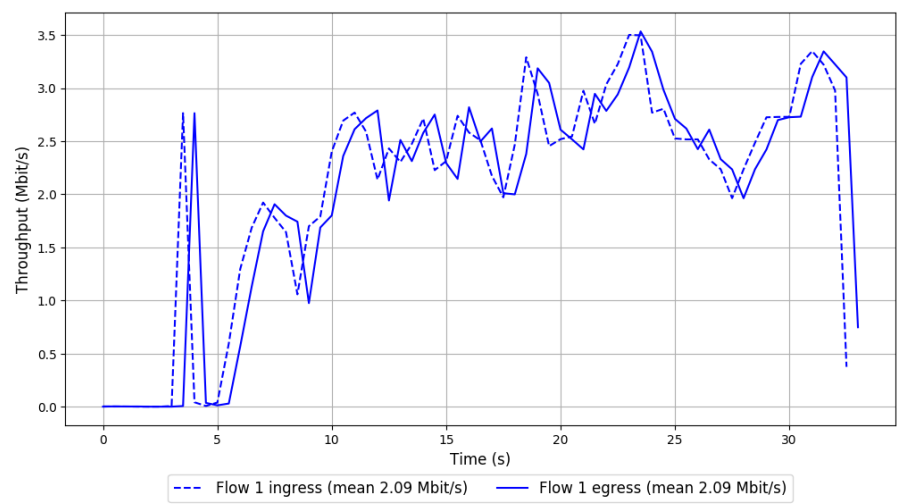
-- Flow 1:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 61.589 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

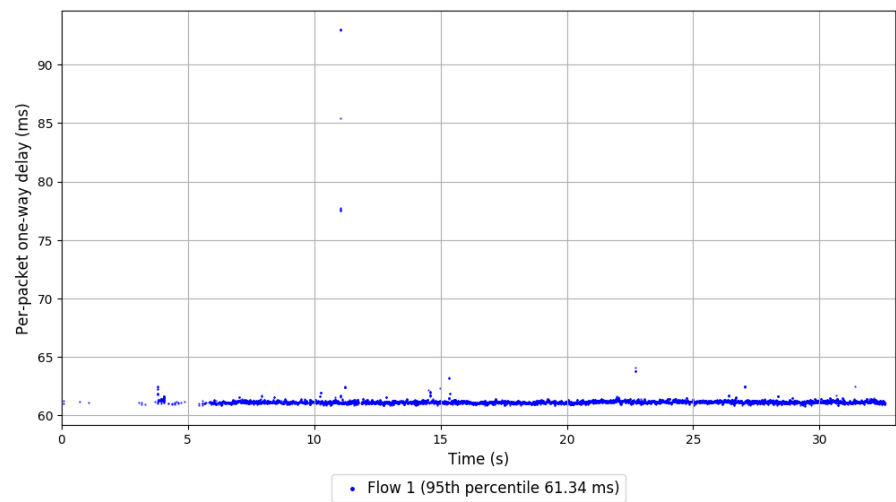
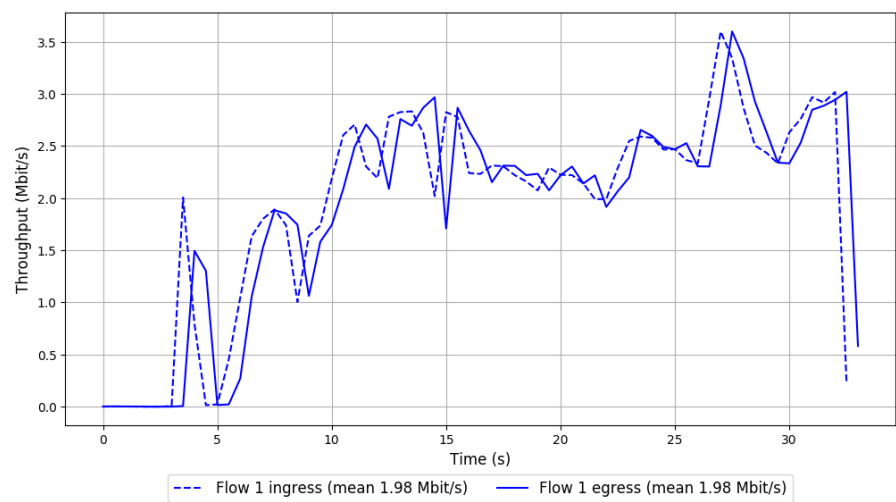


Run 4: Statistics of WebRTC media

Start at: 2018-08-11 02:05:10
End at: 2018-08-11 02:05:40
Local clock offset: 0.38 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-08-11 06:36:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 61.345 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 61.345 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

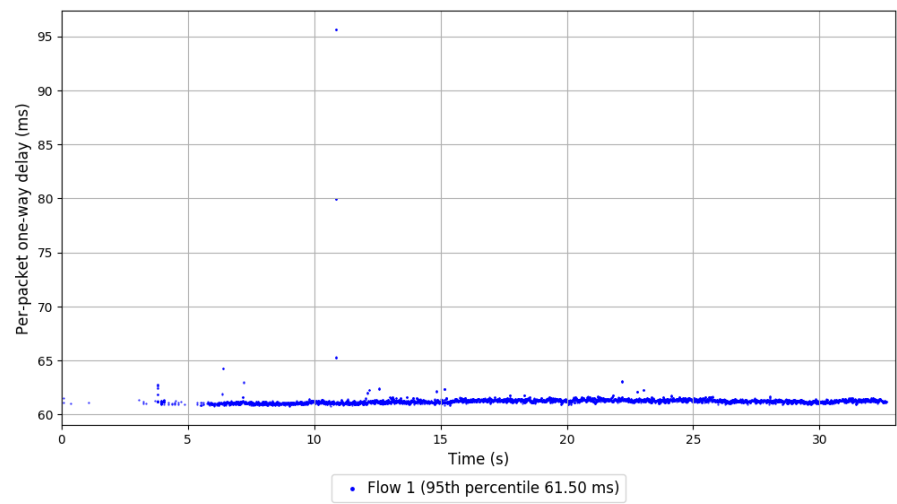
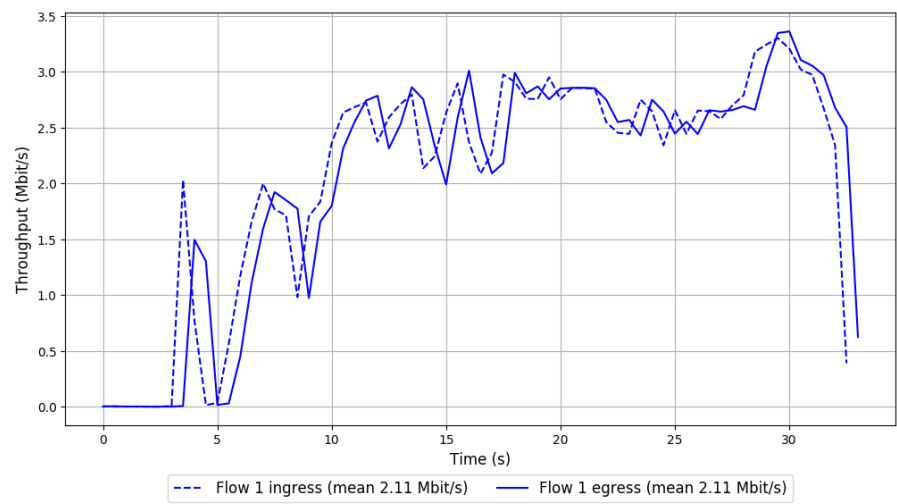


Run 5: Statistics of WebRTC media

Start at: 2018-08-11 02:28:10
End at: 2018-08-11 02:28:40
Local clock offset: 0.584 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-08-11 06:36:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 61.504 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 61.504 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

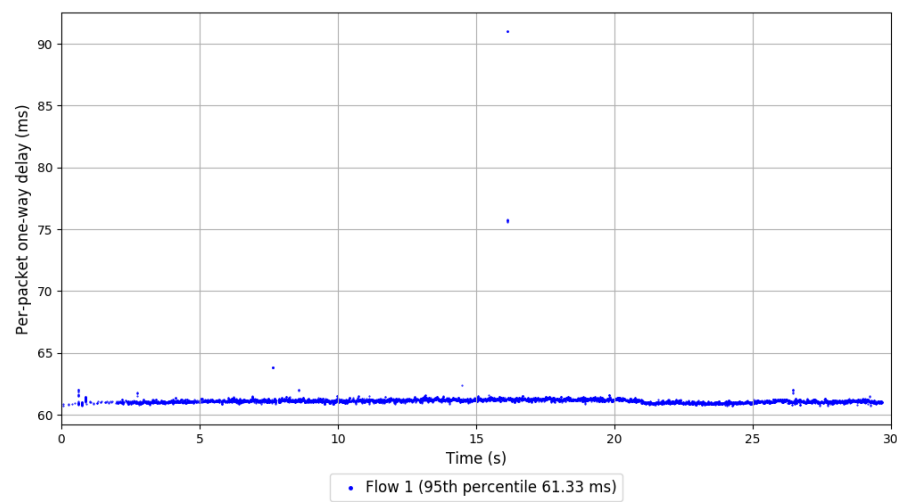
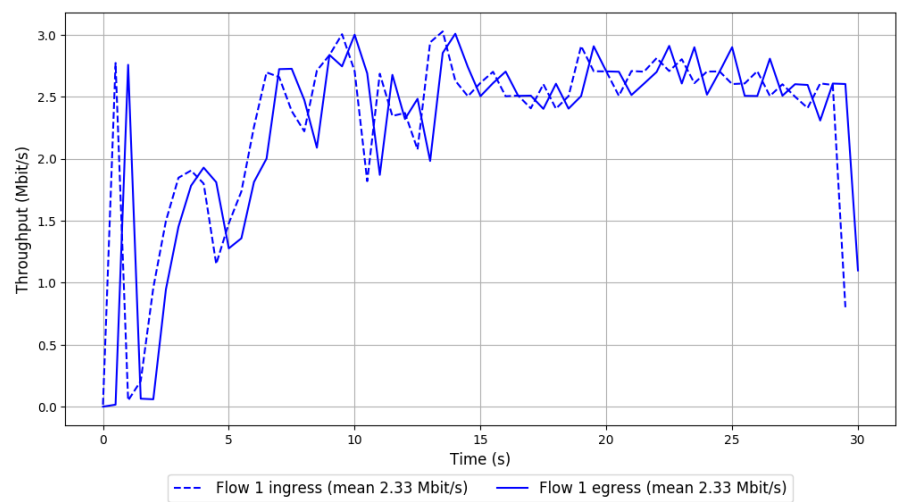


Run 6: Statistics of WebRTC media

Start at: 2018-08-11 02:51:02
End at: 2018-08-11 02:51:32
Local clock offset: 0.744 ms
Remote clock offset: -0.188 ms

Below is generated by plot.py at 2018-08-11 06:36:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 61.325 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 61.325 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-08-11 03:13:25

End at: 2018-08-11 03:13:55

Local clock offset: 0.639 ms

Remote clock offset: 2.886 ms

Below is generated by plot.py at 2018-08-11 06:36:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.02 Mbit/s

95th percentile per-packet one-way delay: 64.211 ms

Loss rate: 0.00%

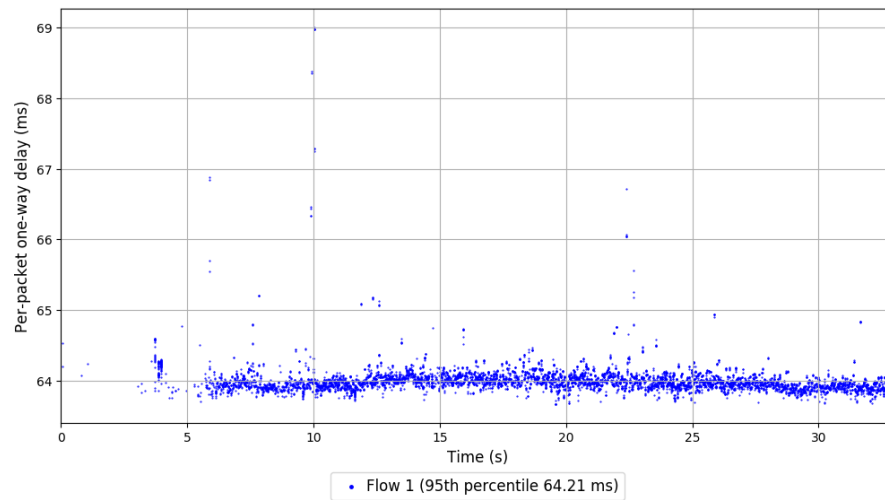
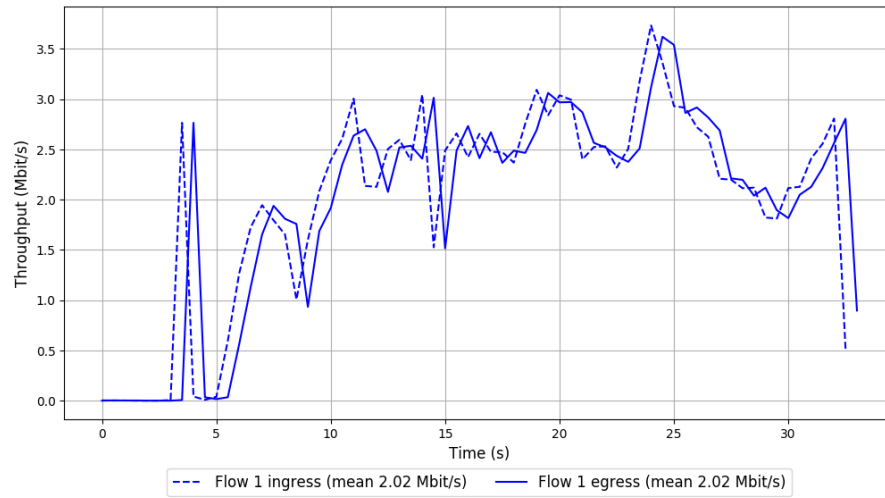
-- Flow 1:

Average throughput: 2.02 Mbit/s

95th percentile per-packet one-way delay: 64.211 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

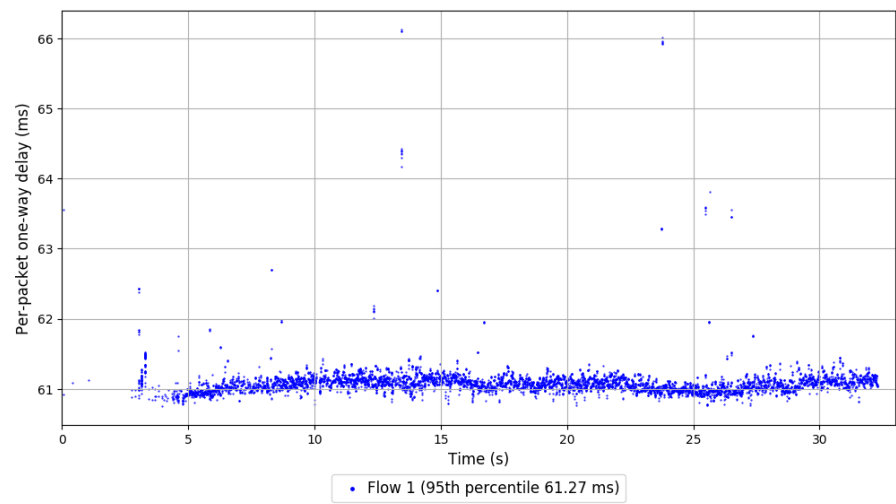
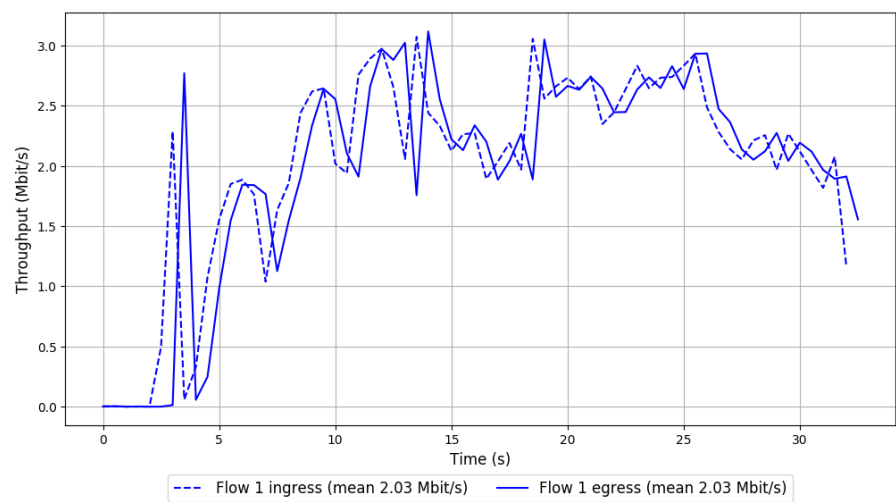


Run 8: Statistics of WebRTC media

Start at: 2018-08-11 03:36:20
End at: 2018-08-11 03:36:50
Local clock offset: -0.12 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-08-11 06:36:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 61.265 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 61.265 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-08-11 03:59:04

End at: 2018-08-11 03:59:34

Local clock offset: -0.372 ms

Remote clock offset: 0.117 ms

Below is generated by plot.py at 2018-08-11 06:36:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 61.699 ms

Loss rate: 0.00%

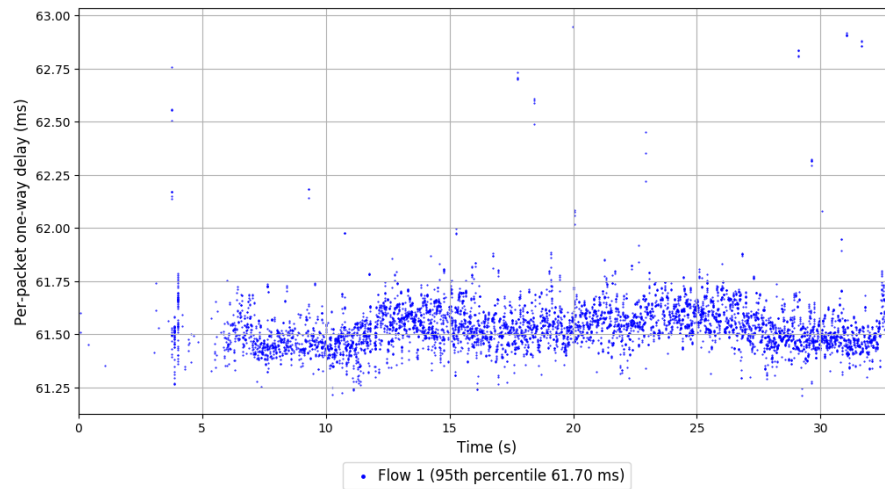
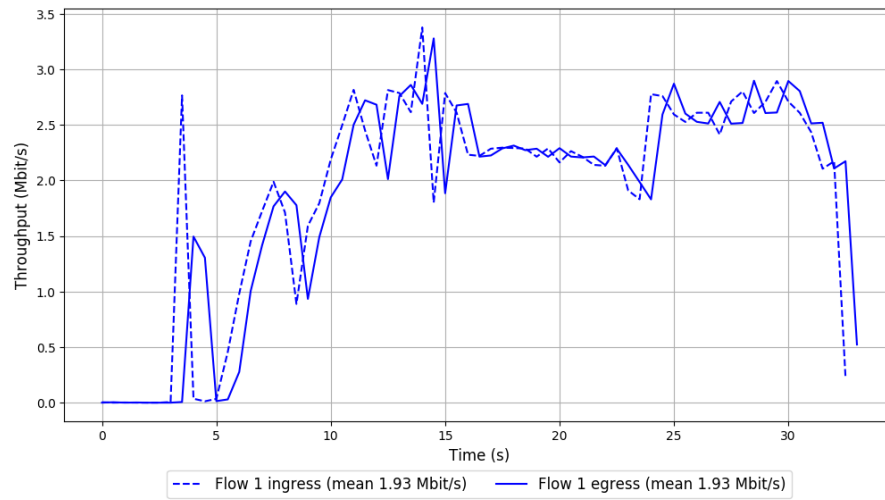
-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 61.699 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-11 04:21:36

End at: 2018-08-11 04:22:06

Local clock offset: -0.564 ms

Remote clock offset: -0.4 ms

Below is generated by plot.py at 2018-08-11 06:36:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.08 Mbit/s

95th percentile per-packet one-way delay: 61.181 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.08 Mbit/s

95th percentile per-packet one-way delay: 61.181 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

