

Pantheon Report

Generated at 2018-05-22 23:27:28 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

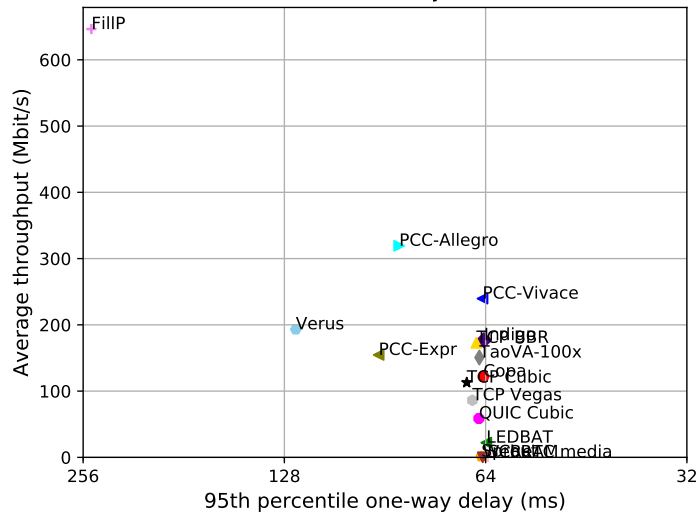
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

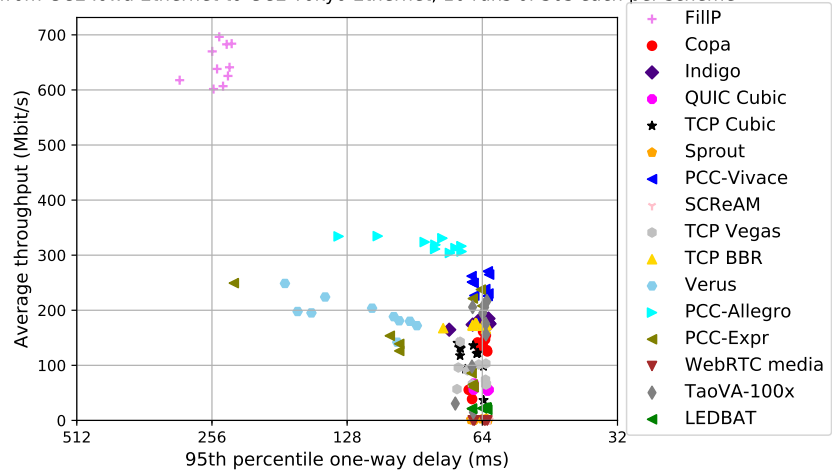
Git summary:

```
branch: master @ 2d1d4407e851ba626e5ca4626a306105793df686
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from GCE Iowa Ethernet to GCE Tokyo Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from GCE Iowa Ethernet to GCE Tokyo Ethernet, 10 runs of 30s each per scheme



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	172.86	66.08	0.00
Copa	10	122.01	64.51	0.01
TCP Cubic	10	112.92	68.30	0.00
FillP	10	646.39	248.82	0.69
Indigo	10	176.88	64.37	0.00
LEDBAT	10	22.14	63.86	0.00
PCC-Allegro	10	319.33	86.19	0.04
PCC-Expr	10	154.59	92.52	0.20
QUIC Cubic	7	58.70	65.50	0.00
SCReAM	10	0.22	63.54	0.00
Sprout	10	1.24	64.96	0.00
TaoVA-100x	10	150.66	65.40	0.00
TCP Vegas	10	86.16	66.99	0.00
Verus	10	193.27	123.08	0.22
PCC-Vivace	10	239.58	64.70	0.00
WebRTC media	9	0.05	64.64	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-05-22 18:53:00

End at: 2018-05-22 18:53:30

Local clock offset: -0.02 ms

Remote clock offset: 0.151 ms

Below is generated by plot.py at 2018-05-22 22:08:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 173.43 Mbit/s

95th percentile per-packet one-way delay: 63.146 ms

Loss rate: 0.00%

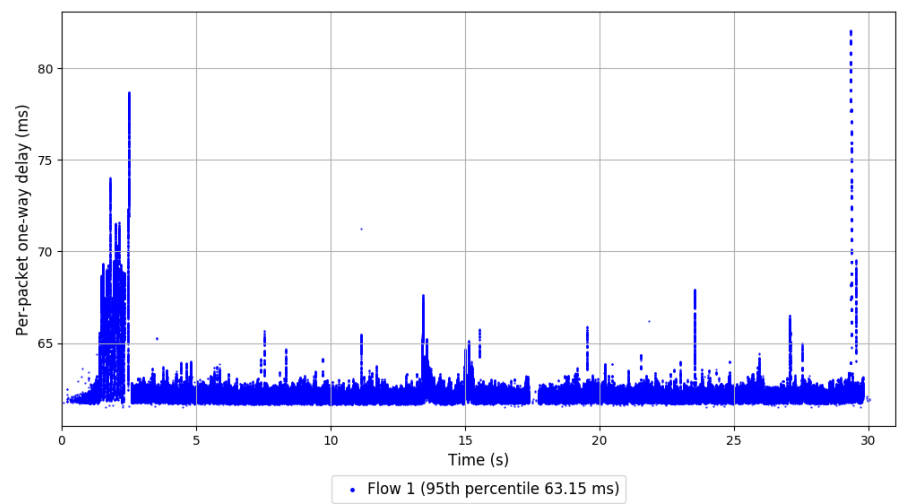
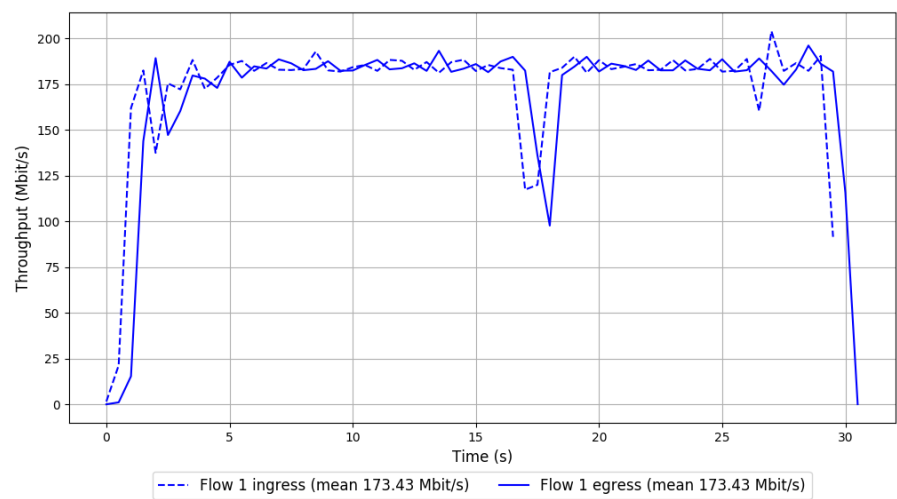
-- Flow 1:

Average throughput: 173.43 Mbit/s

95th percentile per-packet one-way delay: 63.146 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

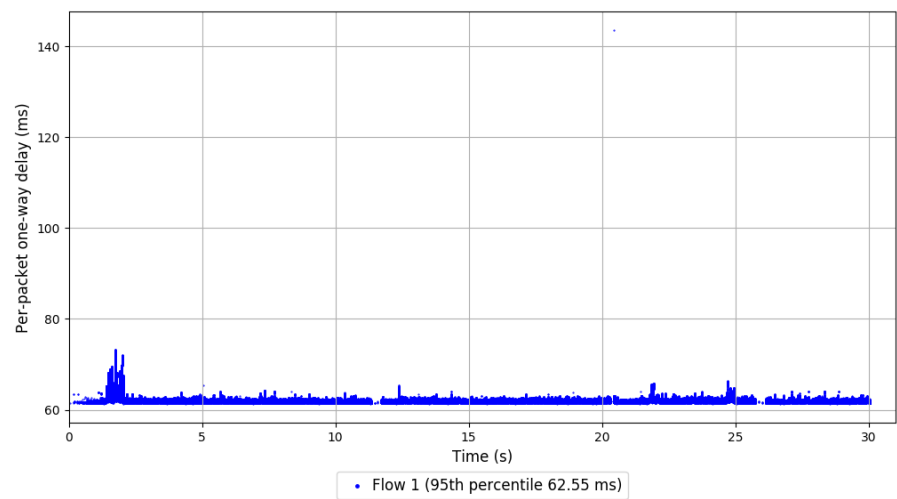
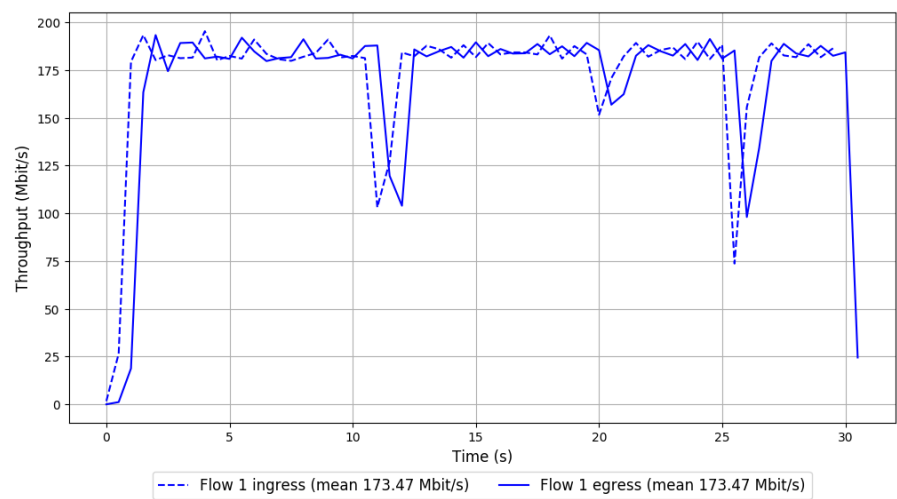


Run 2: Statistics of TCP BBR

Start at: 2018-05-22 19:13:24
End at: 2018-05-22 19:13:54
Local clock offset: -0.067 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-05-22 22:08:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 173.47 Mbit/s
95th percentile per-packet one-way delay: 62.551 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 173.47 Mbit/s
95th percentile per-packet one-way delay: 62.551 ms
Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link

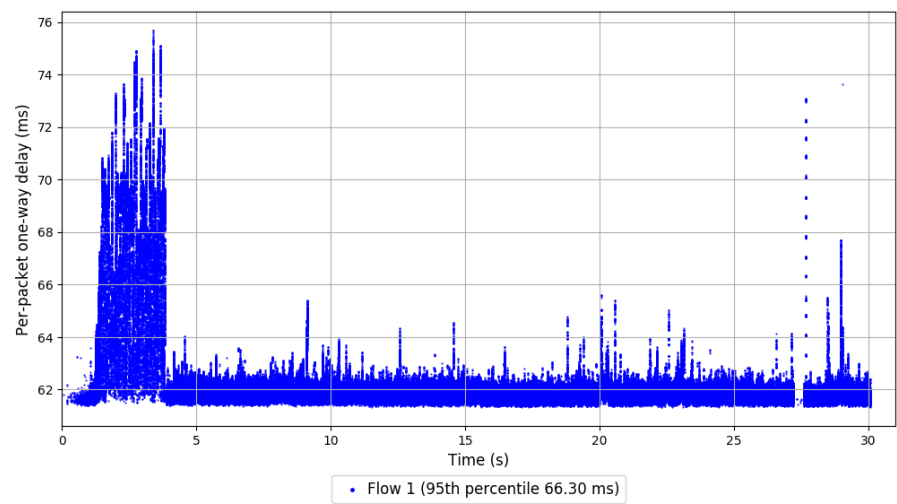
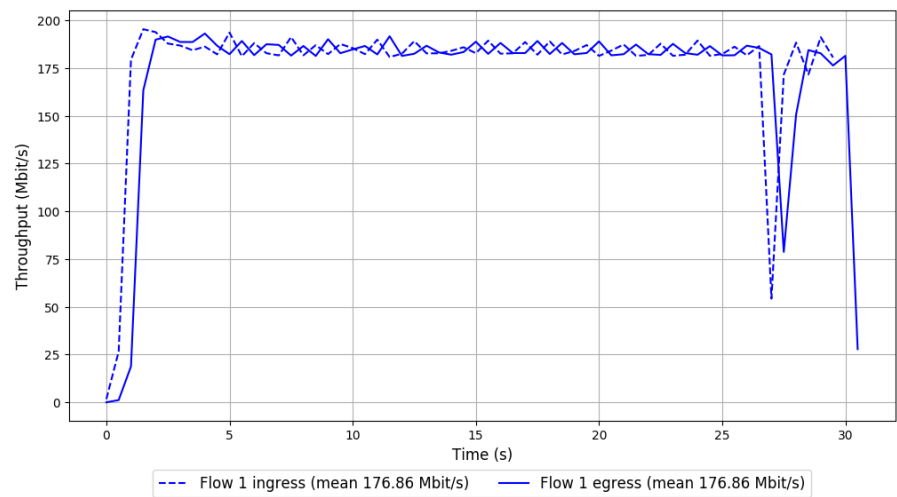


Run 3: Statistics of TCP BBR

Start at: 2018-05-22 19:33:25
End at: 2018-05-22 19:33:55
Local clock offset: -0.004 ms
Remote clock offset: -0.161 ms

Below is generated by plot.py at 2018-05-22 22:08:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 176.86 Mbit/s
95th percentile per-packet one-way delay: 66.298 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 176.86 Mbit/s
95th percentile per-packet one-way delay: 66.298 ms
Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link

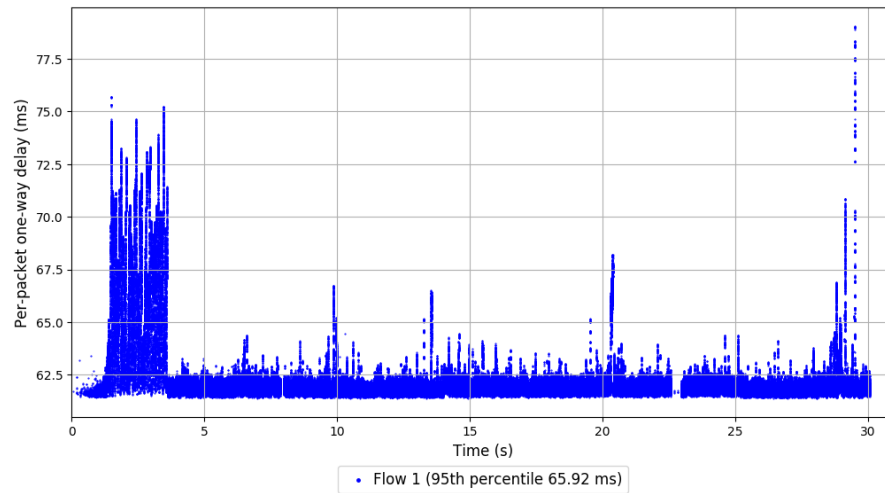
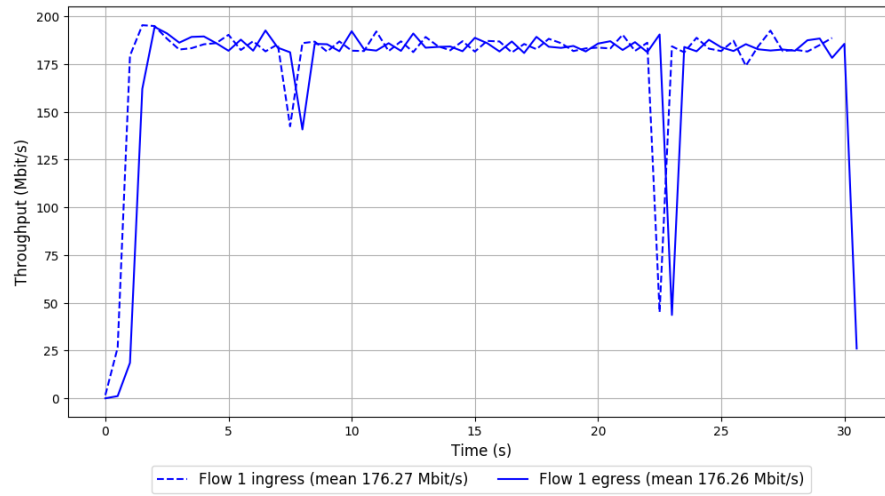


Run 4: Statistics of TCP BBR

Start at: 2018-05-22 19:53:31
End at: 2018-05-22 19:54:01
Local clock offset: -0.151 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-05-22 22:08:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 176.26 Mbit/s
95th percentile per-packet one-way delay: 65.917 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 176.26 Mbit/s
95th percentile per-packet one-way delay: 65.917 ms
Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link

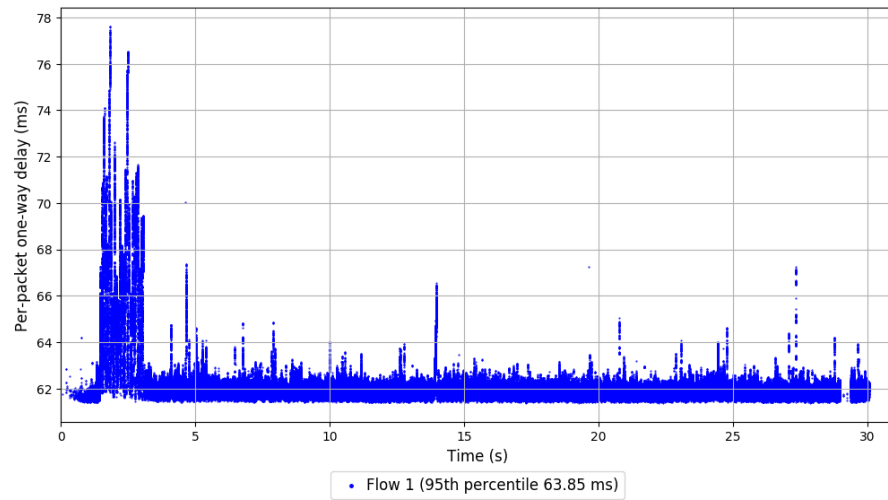
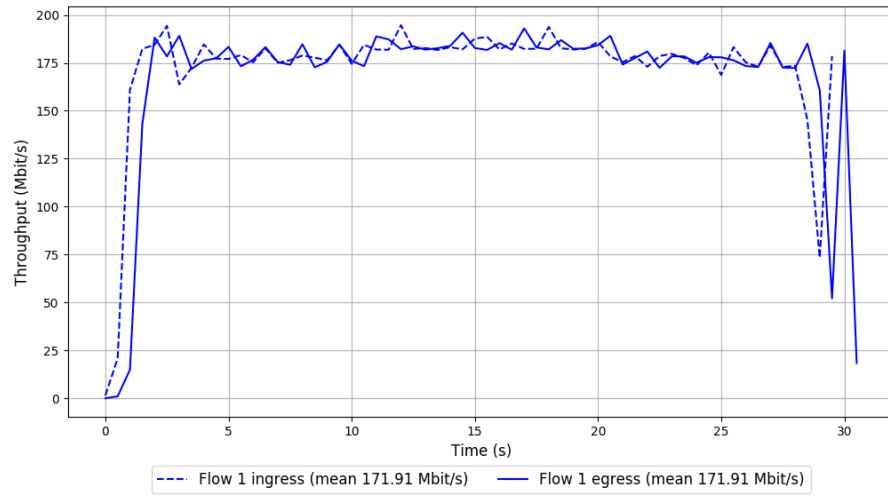


Run 5: Statistics of TCP BBR

Start at: 2018-05-22 20:13:45
End at: 2018-05-22 20:14:15
Local clock offset: -0.28 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-05-22 22:08:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 171.91 Mbit/s
95th percentile per-packet one-way delay: 63.853 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 171.91 Mbit/s
95th percentile per-packet one-way delay: 63.853 ms
Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link

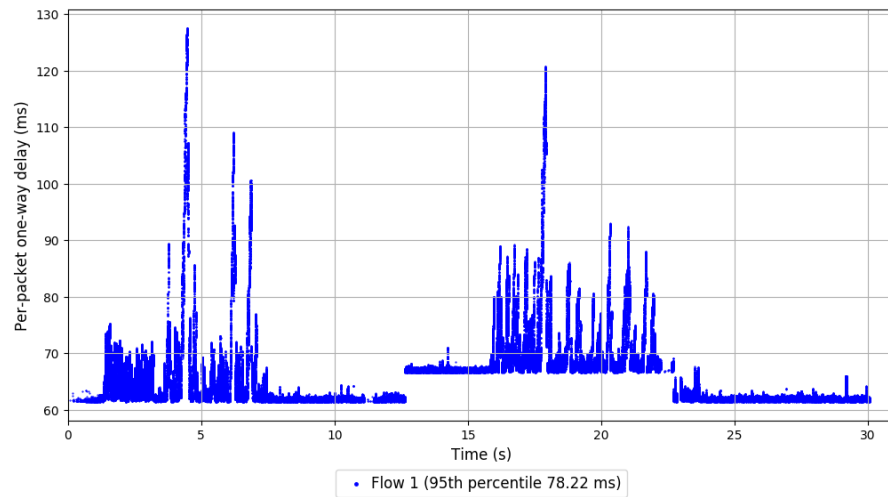
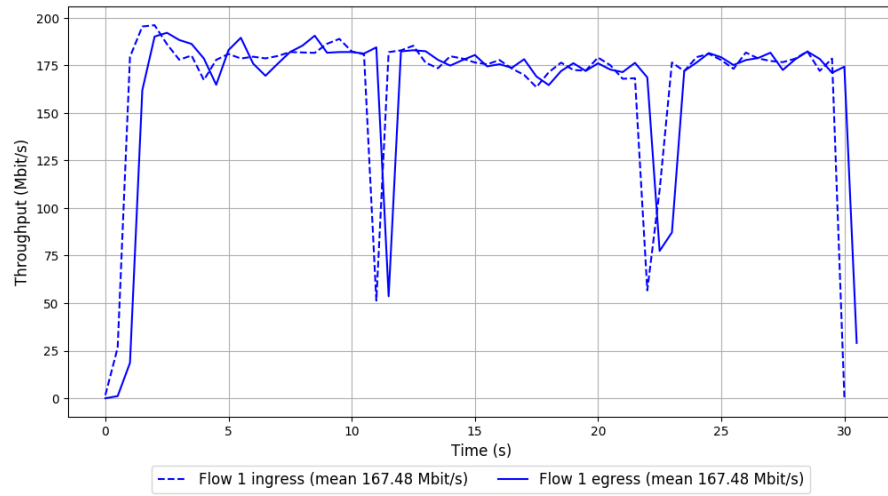


Run 6: Statistics of TCP BBR

Start at: 2018-05-22 20:33:44
End at: 2018-05-22 20:34:14
Local clock offset: -0.275 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-05-22 22:08:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 167.48 Mbit/s
95th percentile per-packet one-way delay: 78.216 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 167.48 Mbit/s
95th percentile per-packet one-way delay: 78.216 ms
Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

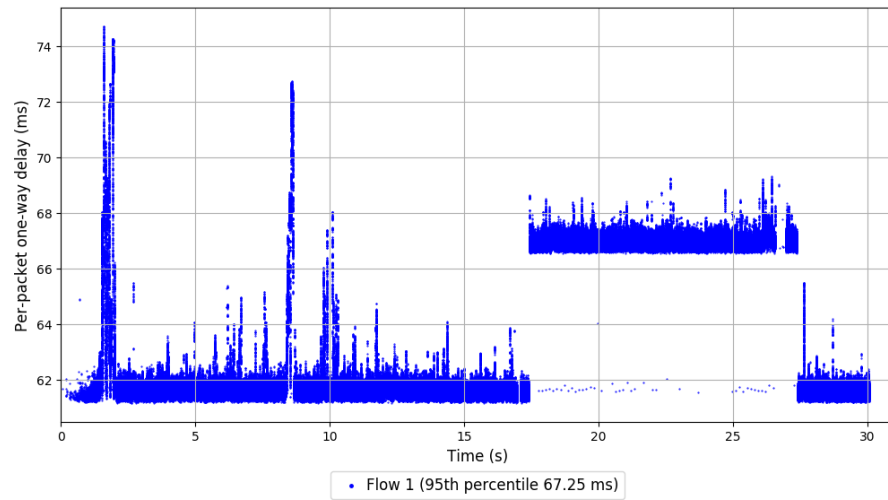
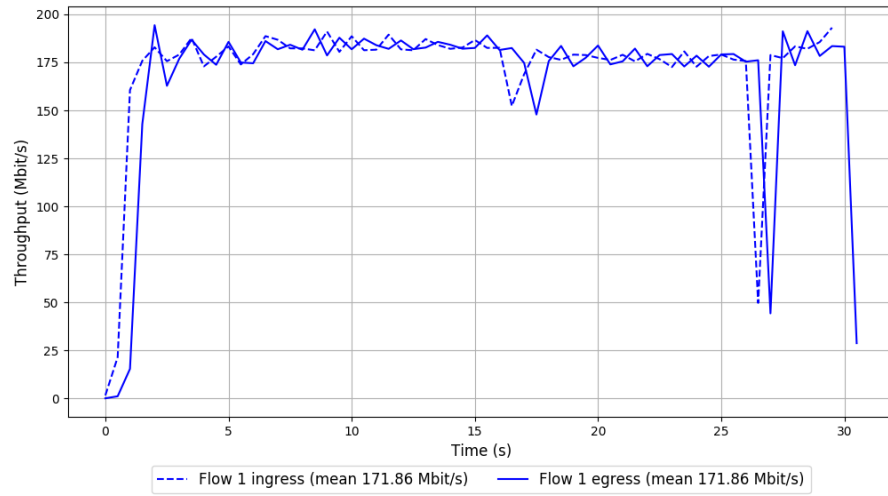


Run 7: Statistics of TCP BBR

Start at: 2018-05-22 20:53:49
End at: 2018-05-22 20:54:19
Local clock offset: -0.412 ms
Remote clock offset: -0.165 ms

Below is generated by plot.py at 2018-05-22 22:08:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 171.86 Mbit/s
95th percentile per-packet one-way delay: 67.248 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 171.86 Mbit/s
95th percentile per-packet one-way delay: 67.248 ms
Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-05-22 21:13:50

End at: 2018-05-22 21:14:20

Local clock offset: -0.418 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-05-22 22:08:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 173.42 Mbit/s

95th percentile per-packet one-way delay: 67.268 ms

Loss rate: 0.02%

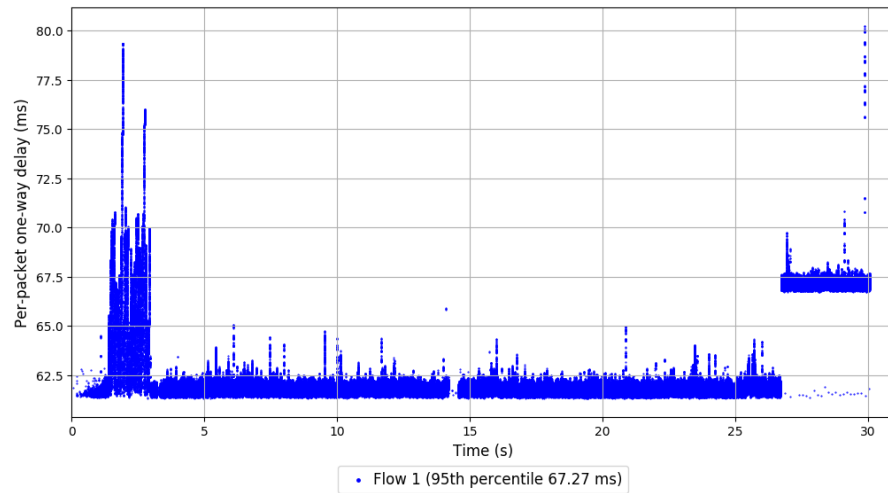
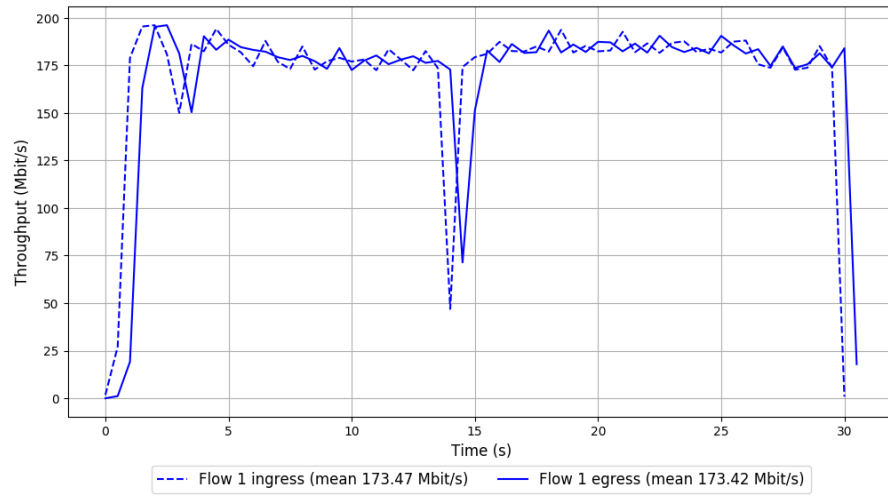
-- Flow 1:

Average throughput: 173.42 Mbit/s

95th percentile per-packet one-way delay: 67.268 ms

Loss rate: 0.02%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-05-22 21:33:42

End at: 2018-05-22 21:34:12

Local clock offset: 0.016 ms

Remote clock offset: 0.296 ms

Below is generated by plot.py at 2018-05-22 22:11:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 166.62 Mbit/s

95th percentile per-packet one-way delay: 62.850 ms

Loss rate: 0.00%

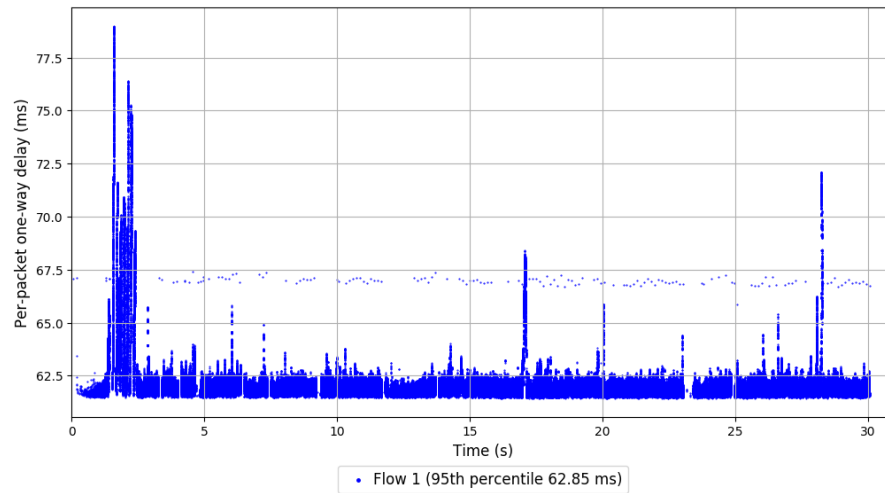
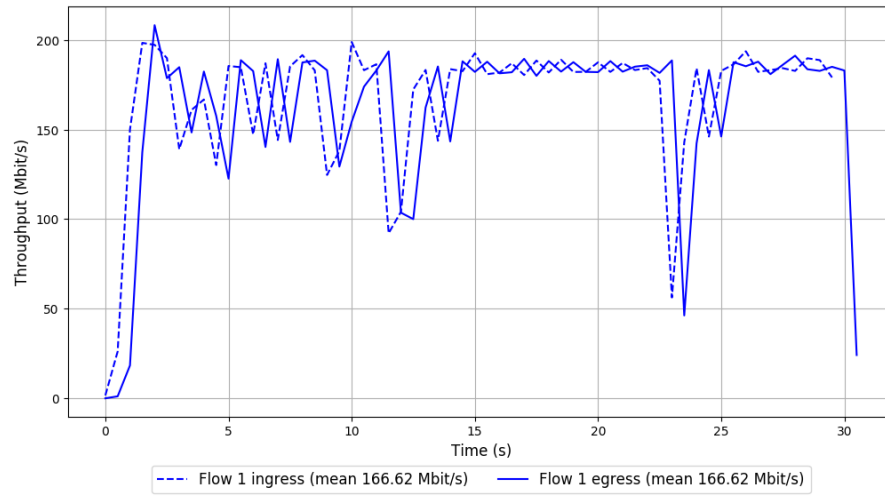
-- Flow 1:

Average throughput: 166.62 Mbit/s

95th percentile per-packet one-way delay: 62.850 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link

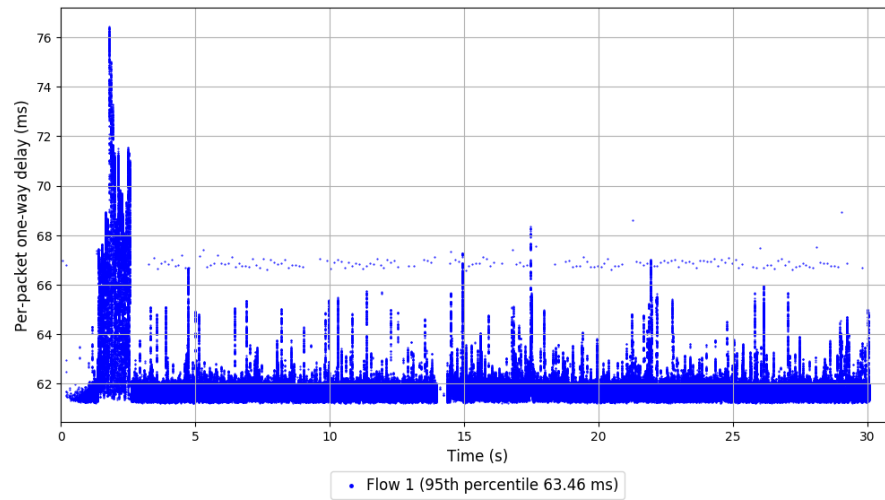
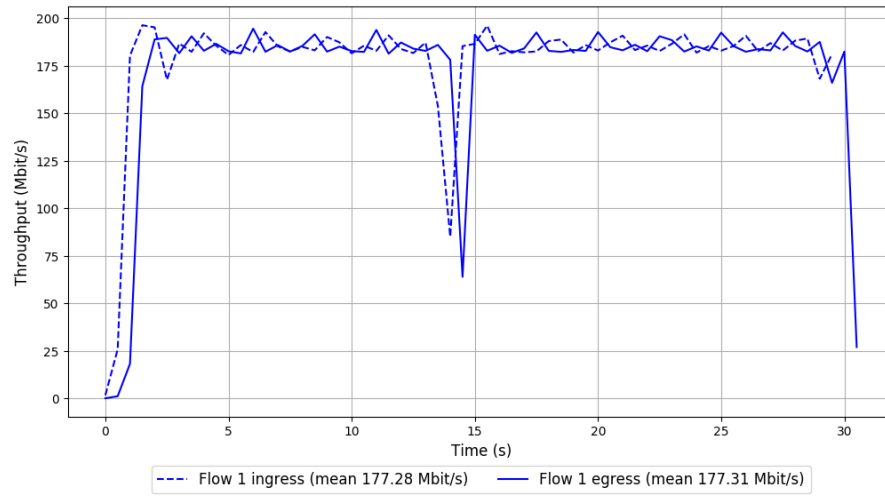


Run 10: Statistics of TCP BBR

Start at: 2018-05-22 21:53:31
End at: 2018-05-22 21:54:01
Local clock offset: 0.181 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-05-22 22:11:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 177.31 Mbit/s
95th percentile per-packet one-way delay: 63.461 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 177.31 Mbit/s
95th percentile per-packet one-way delay: 63.461 ms
Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

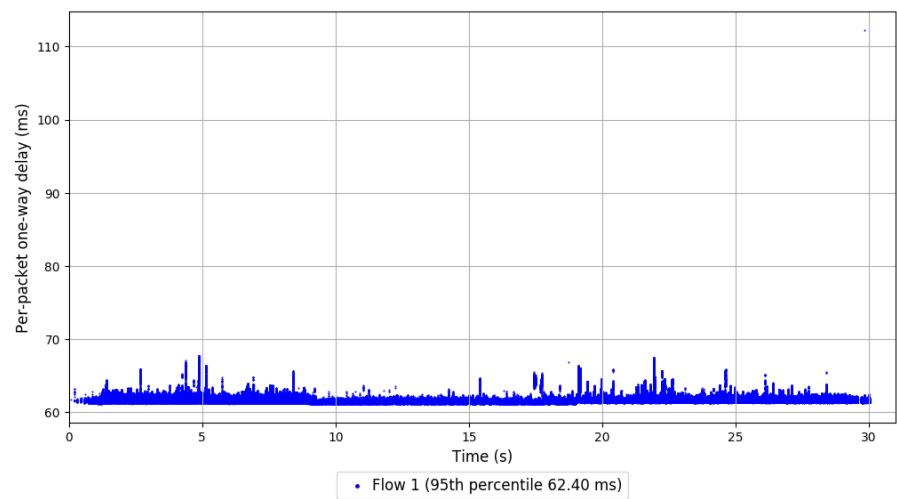
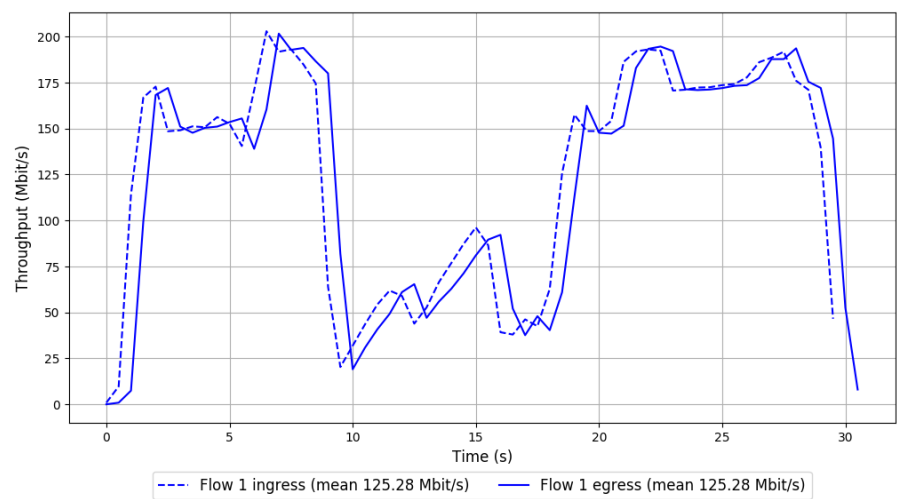


Run 1: Statistics of Copa

Start at: 2018-05-22 18:47:57
End at: 2018-05-22 18:48:27
Local clock offset: -0.051 ms
Remote clock offset: -0.136 ms

Below is generated by plot.py at 2018-05-22 22:13:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 125.28 Mbit/s
95th percentile per-packet one-way delay: 62.395 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 125.28 Mbit/s
95th percentile per-packet one-way delay: 62.395 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-05-22 19:08:09

End at: 2018-05-22 19:08:39

Local clock offset: 0.038 ms

Remote clock offset: 0.102 ms

Below is generated by plot.py at 2018-05-22 22:14:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 154.43 Mbit/s

95th percentile per-packet one-way delay: 62.847 ms

Loss rate: 0.00%

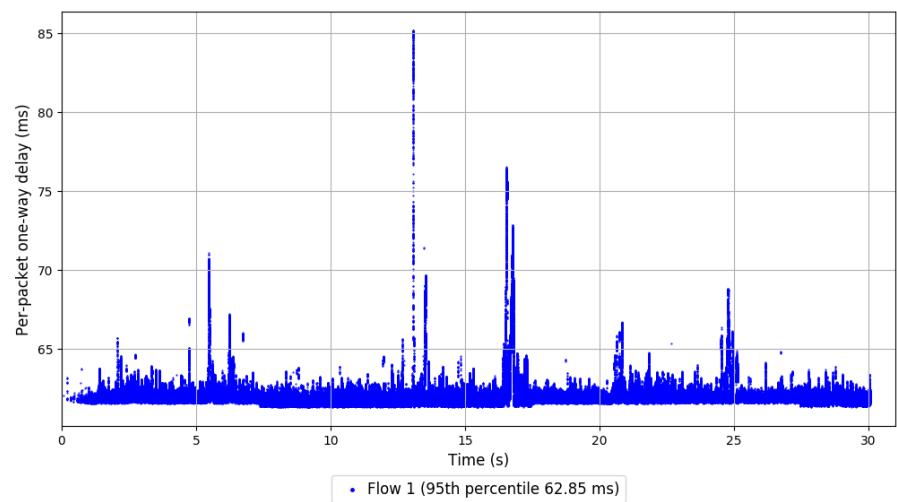
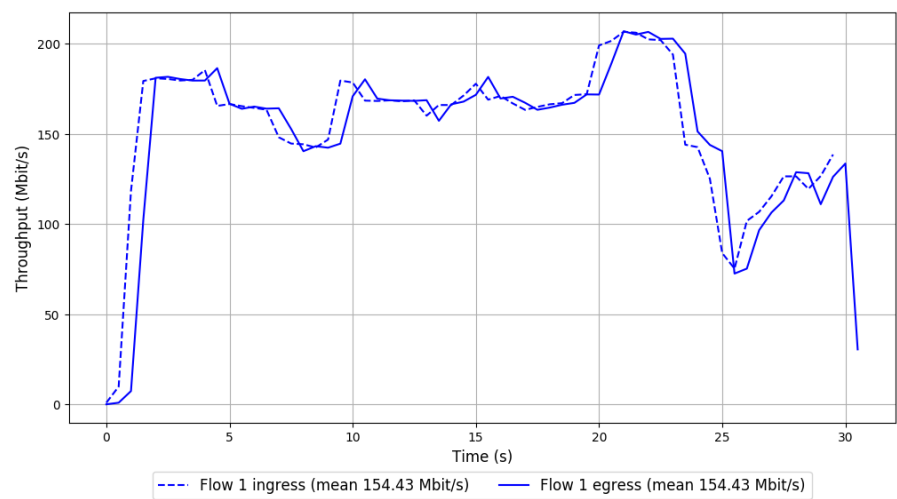
-- Flow 1:

Average throughput: 154.43 Mbit/s

95th percentile per-packet one-way delay: 62.847 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-05-22 19:28:17

End at: 2018-05-22 19:28:47

Local clock offset: -0.012 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-05-22 22:14:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 146.96 Mbit/s

95th percentile per-packet one-way delay: 63.104 ms

Loss rate: 0.00%

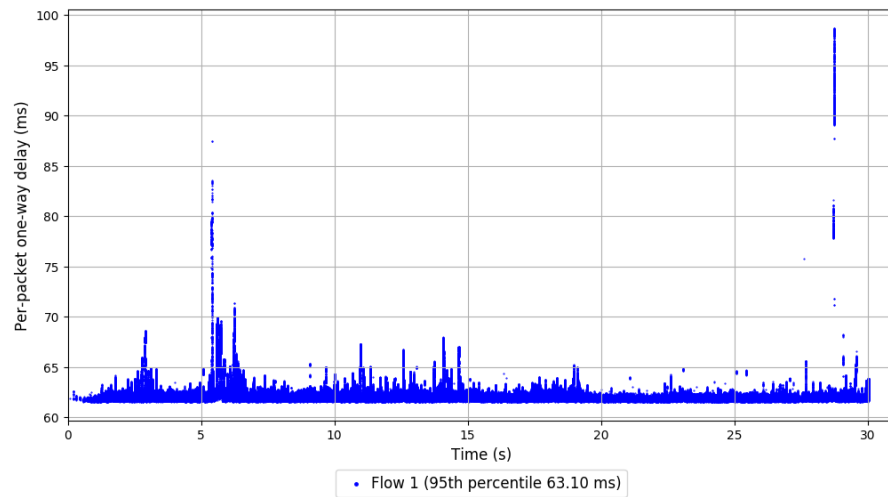
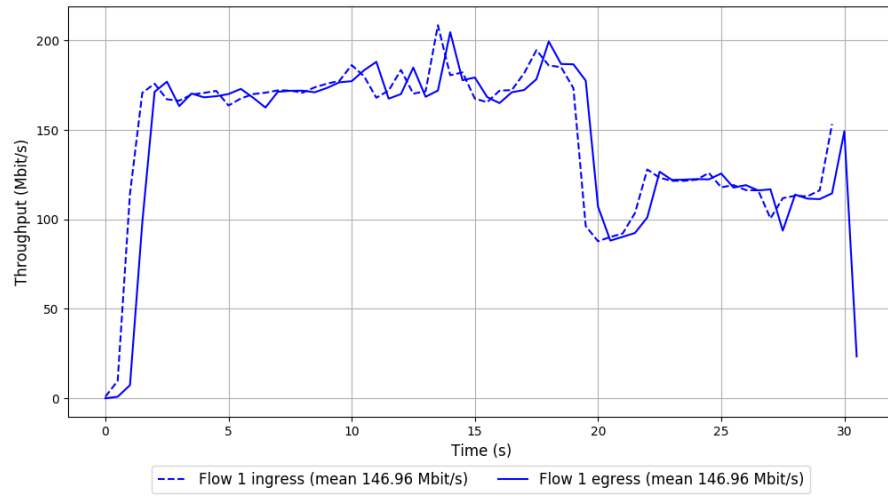
-- Flow 1:

Average throughput: 146.96 Mbit/s

95th percentile per-packet one-way delay: 63.104 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link

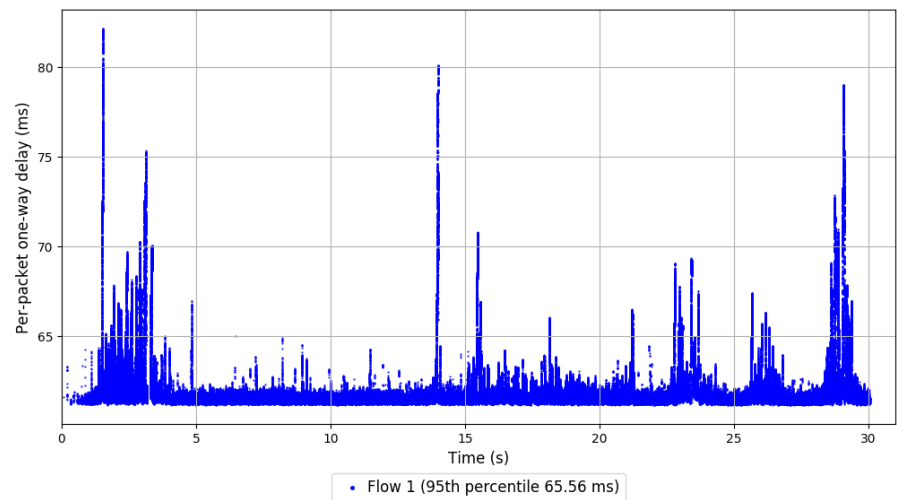
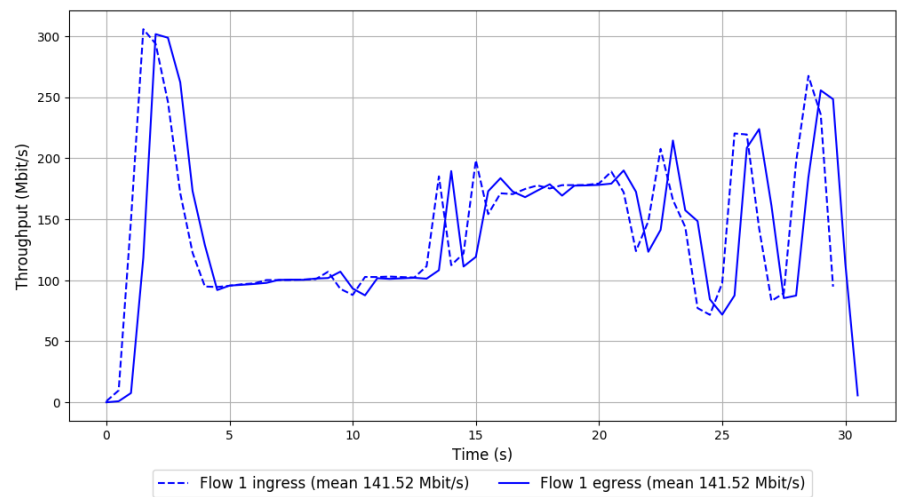


Run 4: Statistics of Copa

Start at: 2018-05-22 19:48:22
End at: 2018-05-22 19:48:52
Local clock offset: -0.08 ms
Remote clock offset: -0.248 ms

Below is generated by plot.py at 2018-05-22 22:14:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 141.52 Mbit/s
95th percentile per-packet one-way delay: 65.563 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 141.52 Mbit/s
95th percentile per-packet one-way delay: 65.563 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-05-22 20:08:39

End at: 2018-05-22 20:09:09

Local clock offset: -0.177 ms

Remote clock offset: 0.057 ms

Below is generated by plot.py at 2018-05-22 22:14:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 135.97 Mbit/s

95th percentile per-packet one-way delay: 63.864 ms

Loss rate: 0.00%

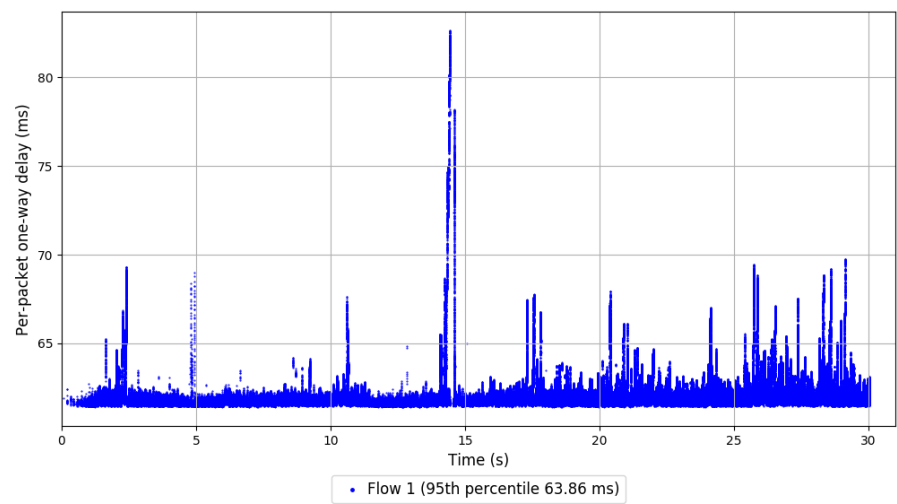
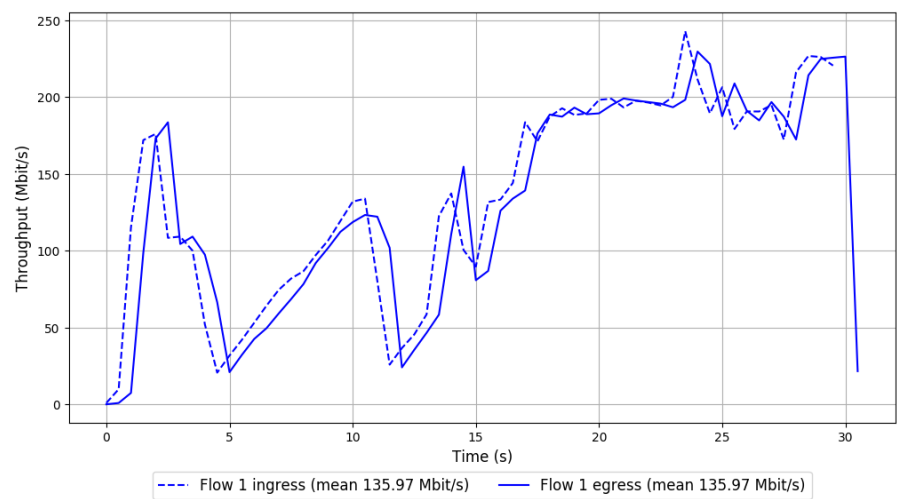
-- Flow 1:

Average throughput: 135.97 Mbit/s

95th percentile per-packet one-way delay: 63.864 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link

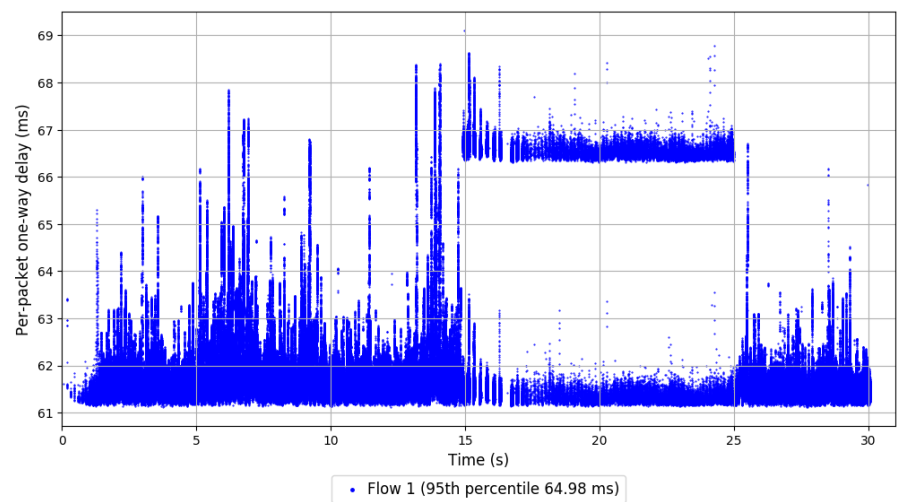
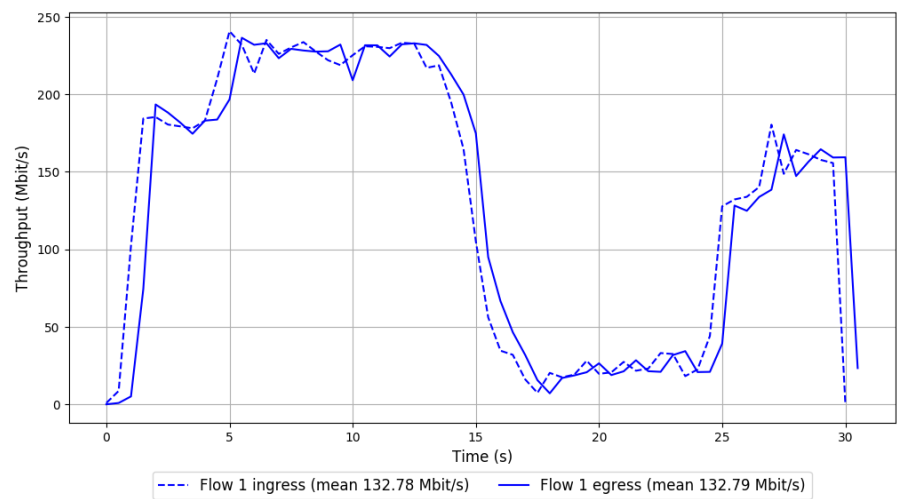


Run 6: Statistics of Copa

Start at: 2018-05-22 20:28:32
End at: 2018-05-22 20:29:02
Local clock offset: -0.34 ms
Remote clock offset: -0.363 ms

Below is generated by plot.py at 2018-05-22 22:14:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 132.79 Mbit/s
95th percentile per-packet one-way delay: 64.982 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.79 Mbit/s
95th percentile per-packet one-way delay: 64.982 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-05-22 20:48:50

End at: 2018-05-22 20:49:20

Local clock offset: -0.416 ms

Remote clock offset: 0.38 ms

Below is generated by plot.py at 2018-05-22 22:14:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.55 Mbit/s

95th percentile per-packet one-way delay: 68.619 ms

Loss rate: 0.04%

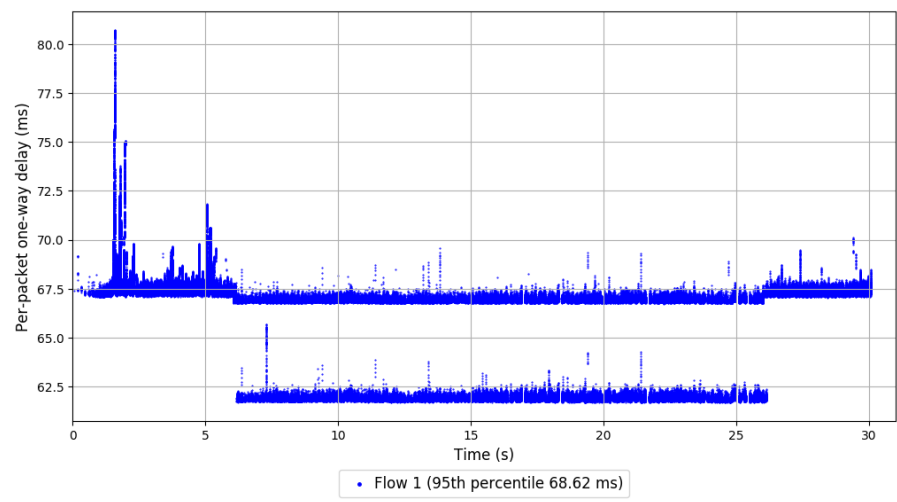
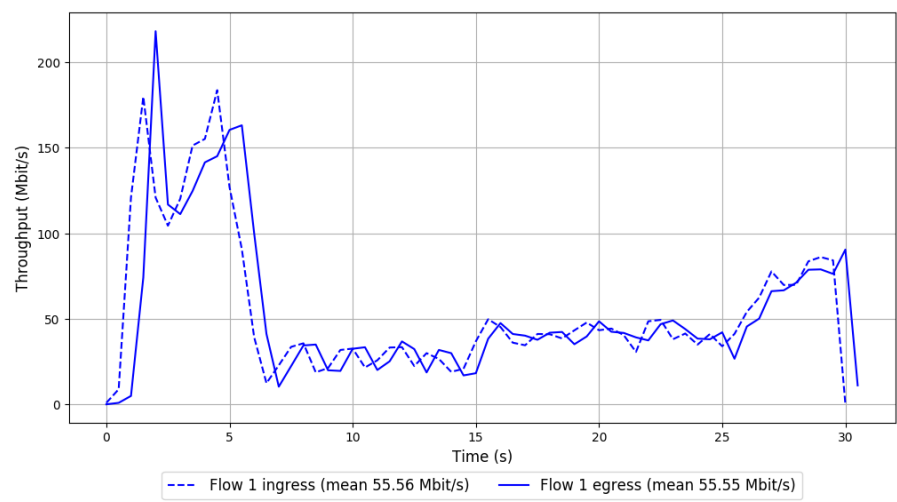
-- Flow 1:

Average throughput: 55.55 Mbit/s

95th percentile per-packet one-way delay: 68.619 ms

Loss rate: 0.04%

Run 7: Report of Copa — Data Link

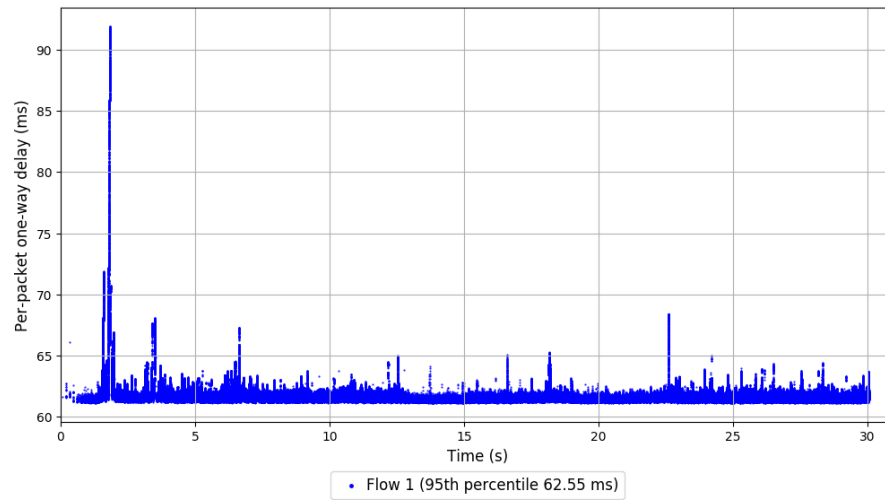
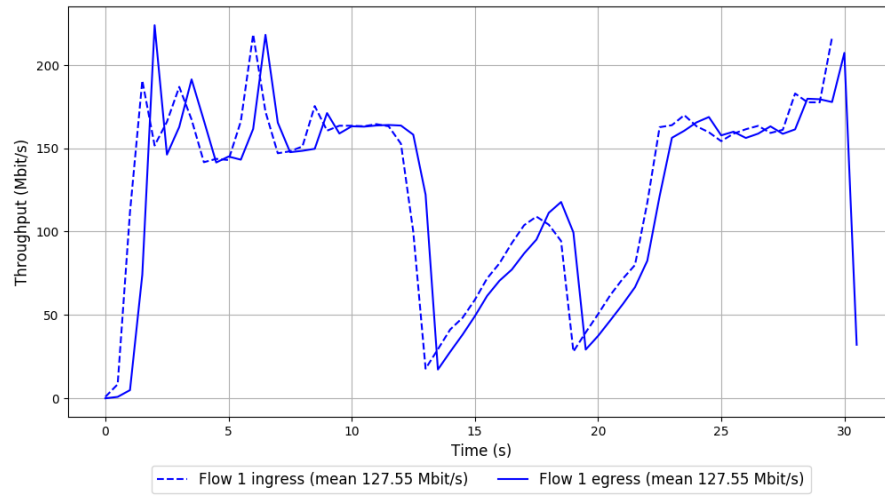


Run 8: Statistics of Copa

Start at: 2018-05-22 21:08:44
End at: 2018-05-22 21:09:14
Local clock offset: -0.403 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-05-22 22:17:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 127.55 Mbit/s
95th percentile per-packet one-way delay: 62.555 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 127.55 Mbit/s
95th percentile per-packet one-way delay: 62.555 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-05-22 21:28:46

End at: 2018-05-22 21:29:16

Local clock offset: -0.273 ms

Remote clock offset: 0.272 ms

Below is generated by plot.py at 2018-05-22 22:17:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.79 Mbit/s

95th percentile per-packet one-way delay: 67.448 ms

Loss rate: 0.01%

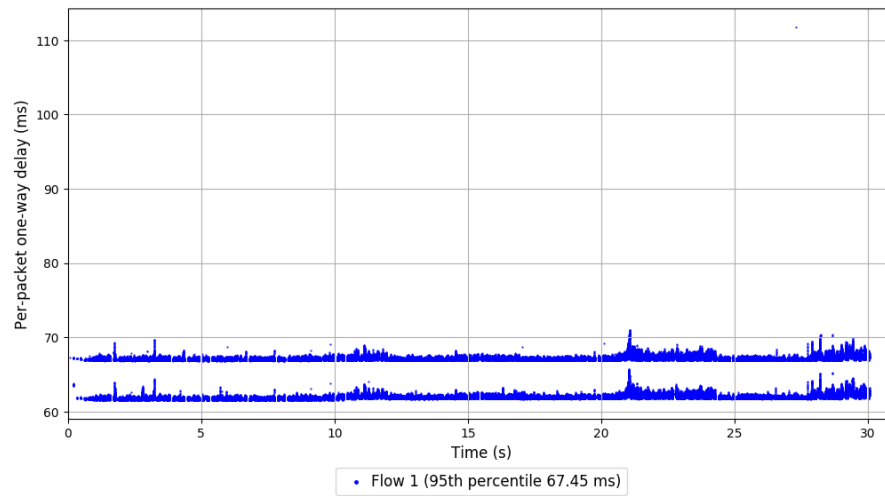
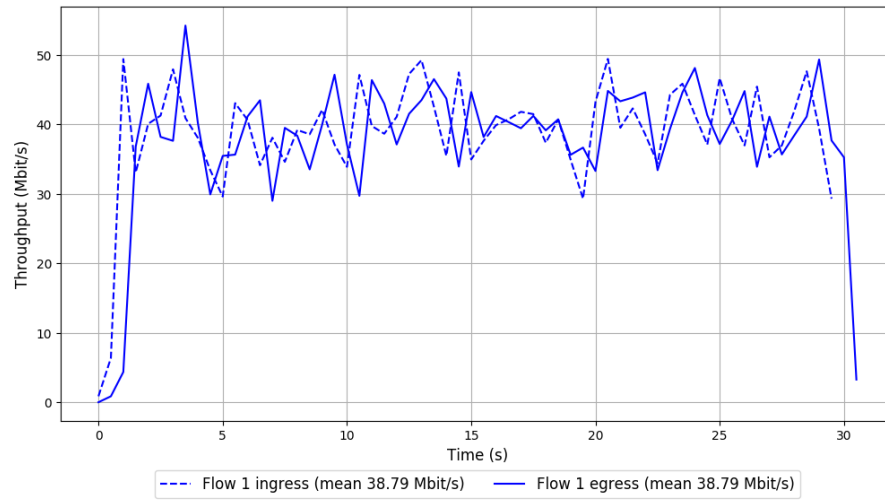
-- Flow 1:

Average throughput: 38.79 Mbit/s

95th percentile per-packet one-way delay: 67.448 ms

Loss rate: 0.01%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-05-22 21:48:22

End at: 2018-05-22 21:48:52

Local clock offset: 0.186 ms

Remote clock offset: 0.207 ms

Below is generated by plot.py at 2018-05-22 22:20:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 161.30 Mbit/s

95th percentile per-packet one-way delay: 63.748 ms

Loss rate: 0.00%

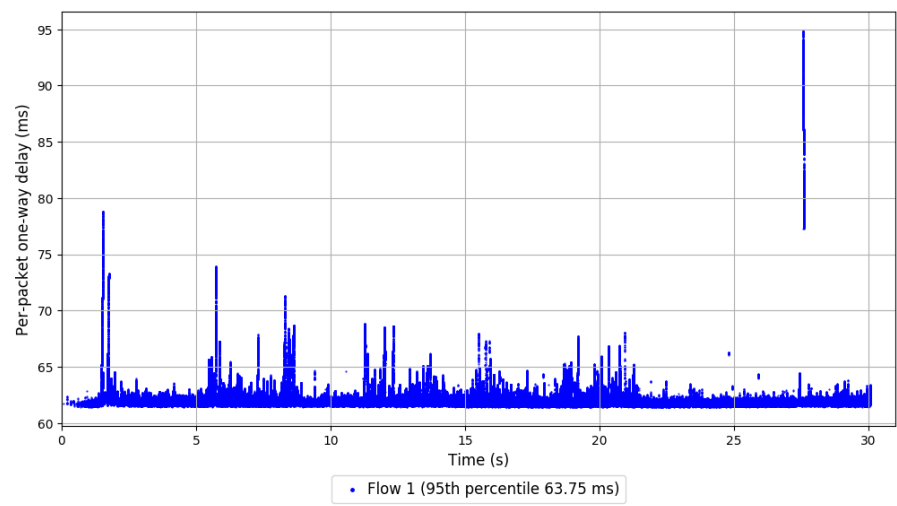
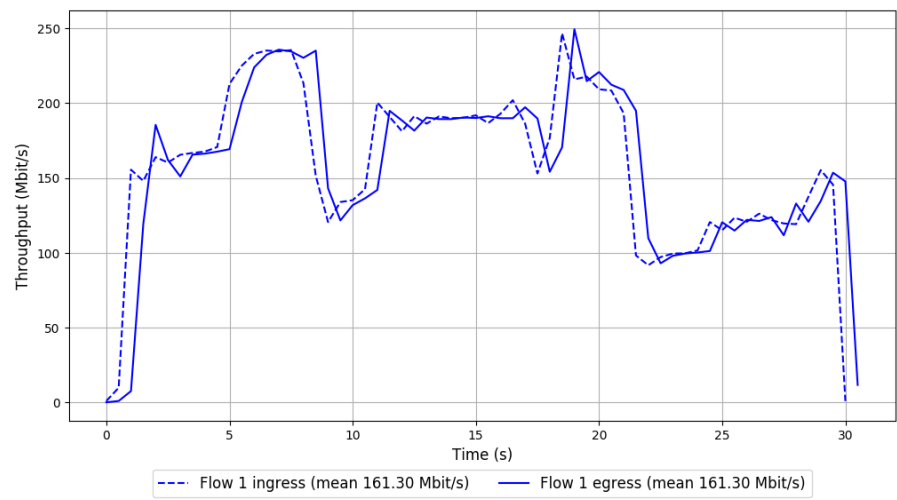
-- Flow 1:

Average throughput: 161.30 Mbit/s

95th percentile per-packet one-way delay: 63.748 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-05-22 18:46:45

End at: 2018-05-22 18:47:15

Local clock offset: -0.038 ms

Remote clock offset: 0.155 ms

Below is generated by plot.py at 2018-05-22 22:20:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 121.21 Mbit/s

95th percentile per-packet one-way delay: 65.866 ms

Loss rate: 0.00%

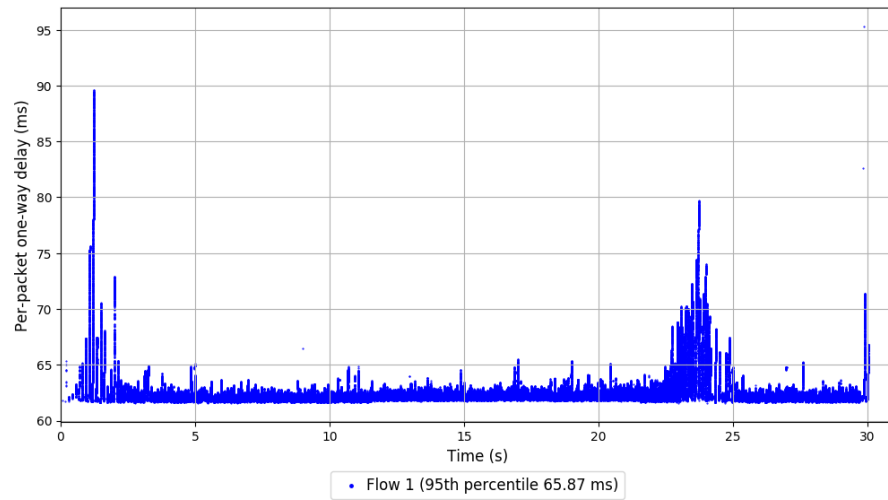
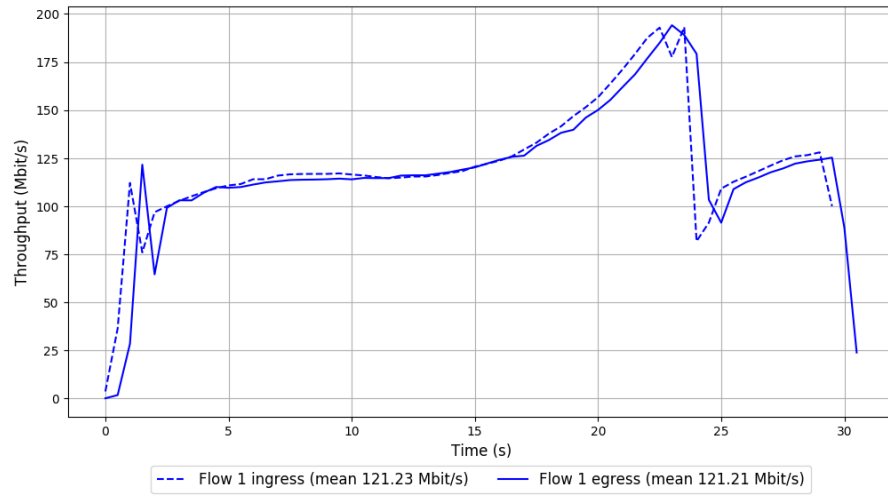
-- Flow 1:

Average throughput: 121.21 Mbit/s

95th percentile per-packet one-way delay: 65.866 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

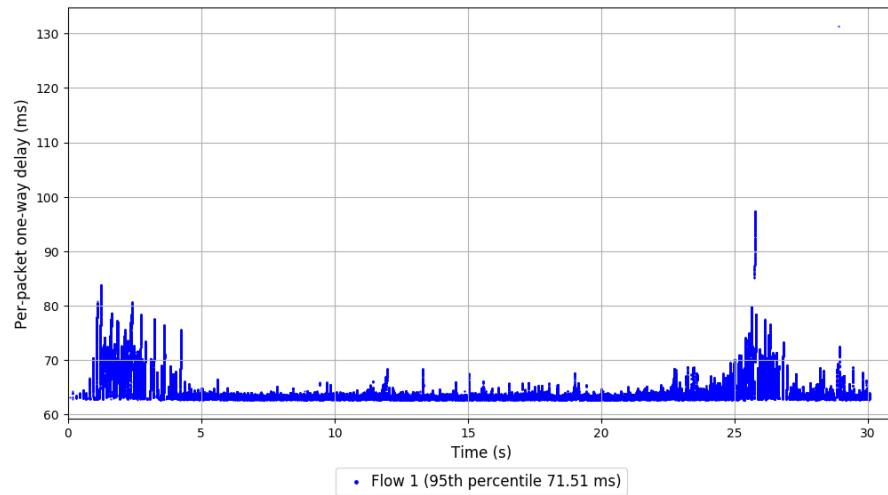
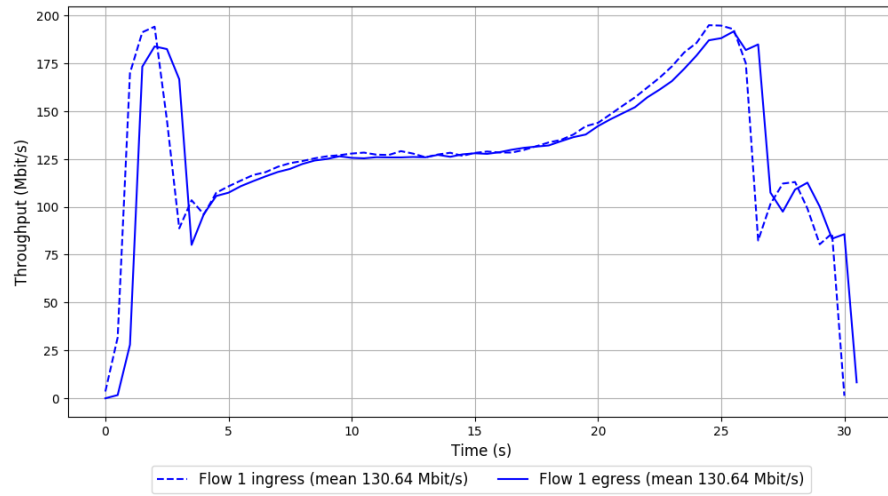


Run 2: Statistics of TCP Cubic

Start at: 2018-05-22 19:06:56
End at: 2018-05-22 19:07:26
Local clock offset: -1.193 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-05-22 22:20:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 130.64 Mbit/s
95th percentile per-packet one-way delay: 71.508 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 130.64 Mbit/s
95th percentile per-packet one-way delay: 71.508 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

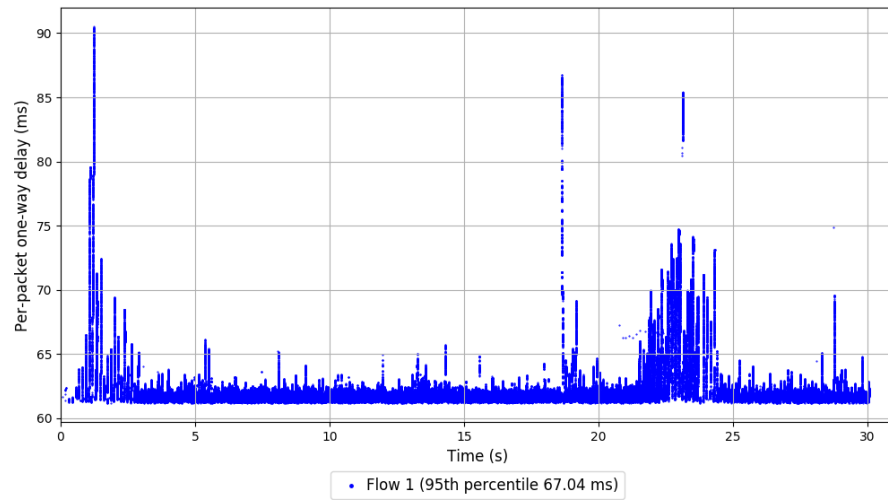
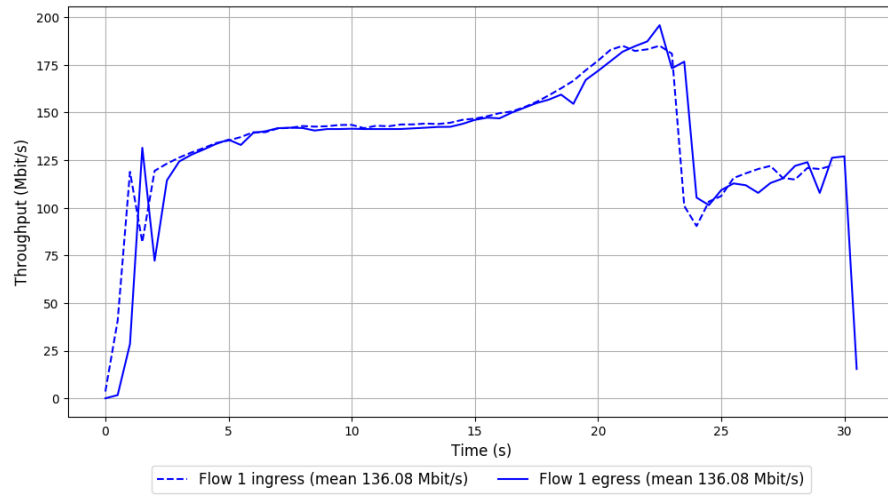


Run 3: Statistics of TCP Cubic

Start at: 2018-05-22 19:27:04
End at: 2018-05-22 19:27:34
Local clock offset: -0.01 ms
Remote clock offset: -0.349 ms

Below is generated by plot.py at 2018-05-22 22:20:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 136.08 Mbit/s
95th percentile per-packet one-way delay: 67.041 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 136.08 Mbit/s
95th percentile per-packet one-way delay: 67.041 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-05-22 19:47:08

End at: 2018-05-22 19:47:38

Local clock offset: 0.037 ms

Remote clock offset: 0.06 ms

Below is generated by plot.py at 2018-05-22 22:20:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 140.55 Mbit/s

95th percentile per-packet one-way delay: 72.610 ms

Loss rate: 0.00%

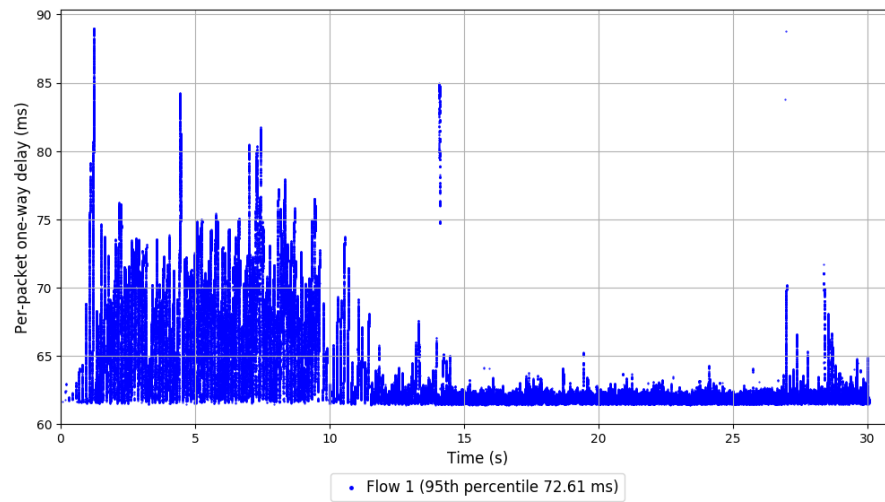
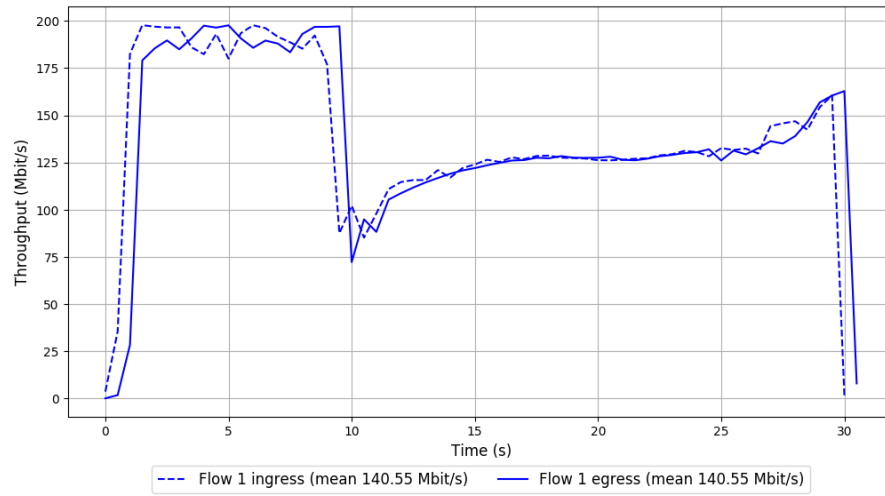
-- Flow 1:

Average throughput: 140.55 Mbit/s

95th percentile per-packet one-way delay: 72.610 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-05-22 20:07:28

End at: 2018-05-22 20:07:58

Local clock offset: -0.214 ms

Remote clock offset: 0.128 ms

Below is generated by plot.py at 2018-05-22 22:20:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.18 Mbit/s

95th percentile per-packet one-way delay: 69.805 ms

Loss rate: 0.00%

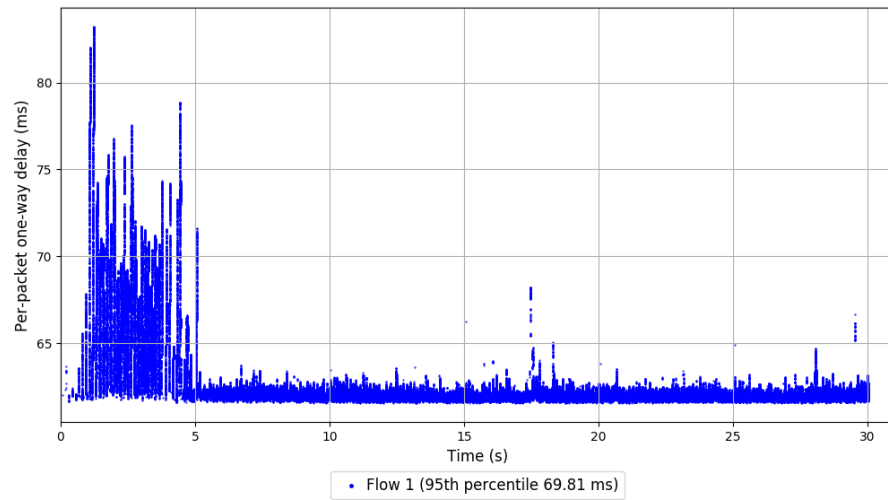
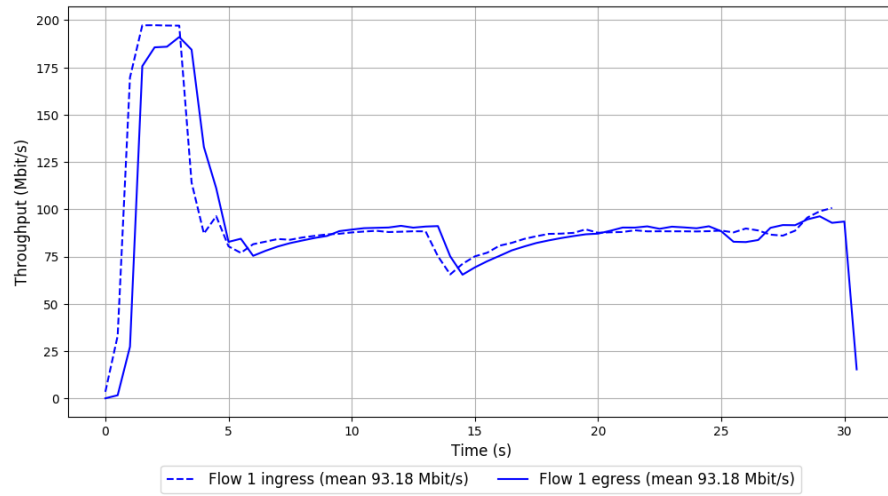
-- Flow 1:

Average throughput: 93.18 Mbit/s

95th percentile per-packet one-way delay: 69.805 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-05-22 20:27:21

End at: 2018-05-22 20:27:51

Local clock offset: -0.355 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-05-22 22:20:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 98.15 Mbit/s

95th percentile per-packet one-way delay: 63.601 ms

Loss rate: 0.00%

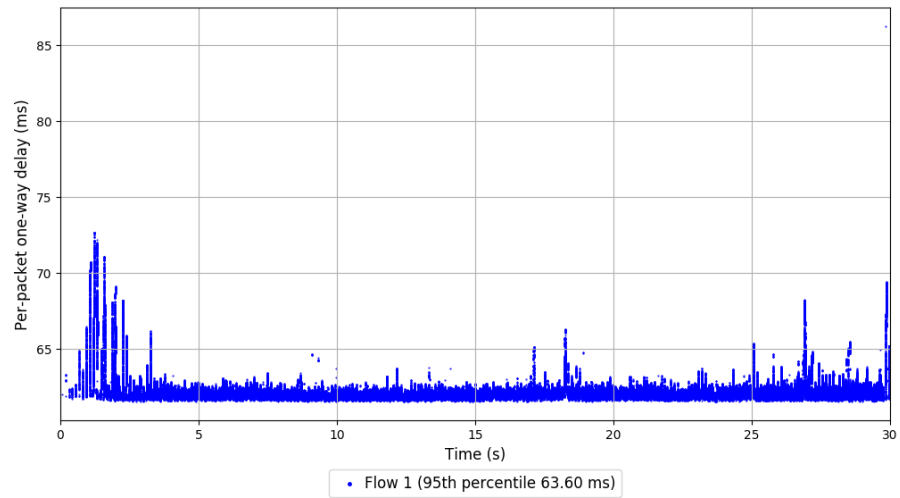
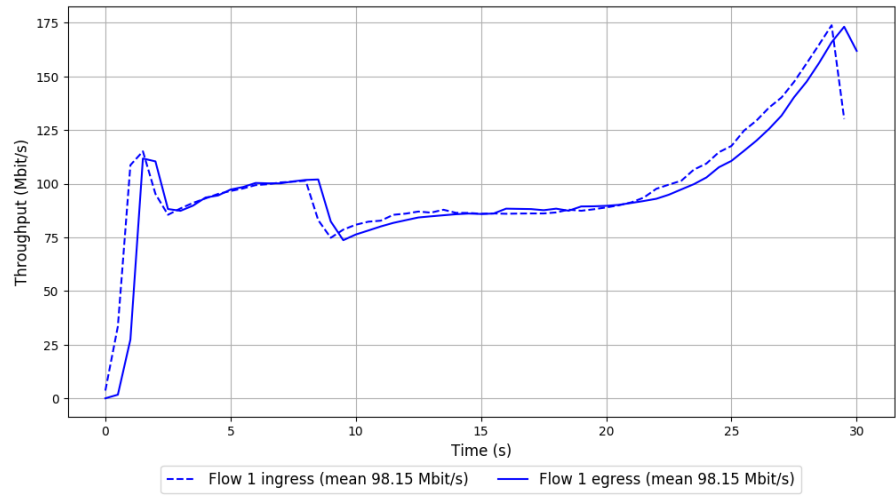
-- Flow 1:

Average throughput: 98.15 Mbit/s

95th percentile per-packet one-way delay: 63.601 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-05-22 20:47:38

End at: 2018-05-22 20:48:08

Local clock offset: -0.356 ms

Remote clock offset: 0.065 ms

Below is generated by plot.py at 2018-05-22 22:20:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 122.61 Mbit/s

95th percentile per-packet one-way delay: 65.418 ms

Loss rate: 0.00%

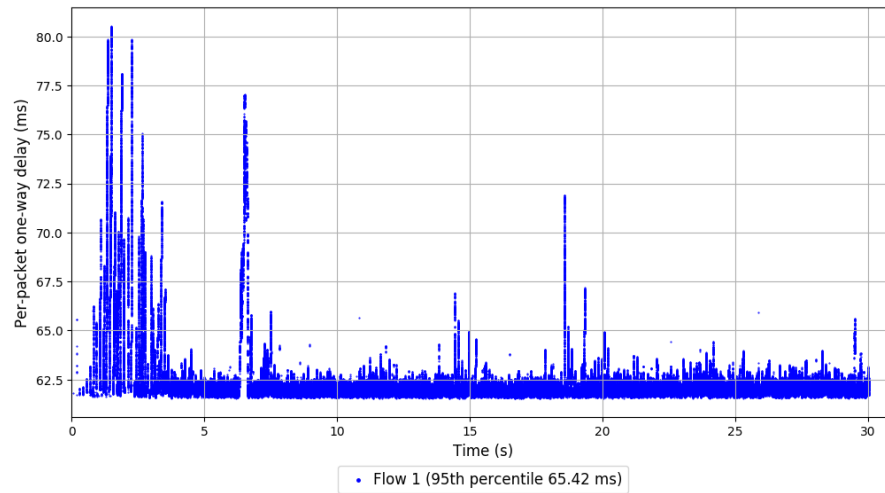
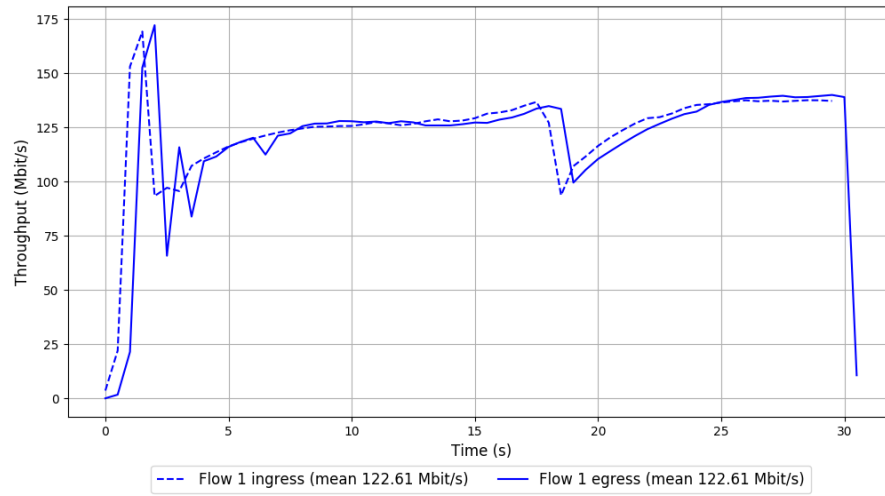
-- Flow 1:

Average throughput: 122.61 Mbit/s

95th percentile per-packet one-way delay: 65.418 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link

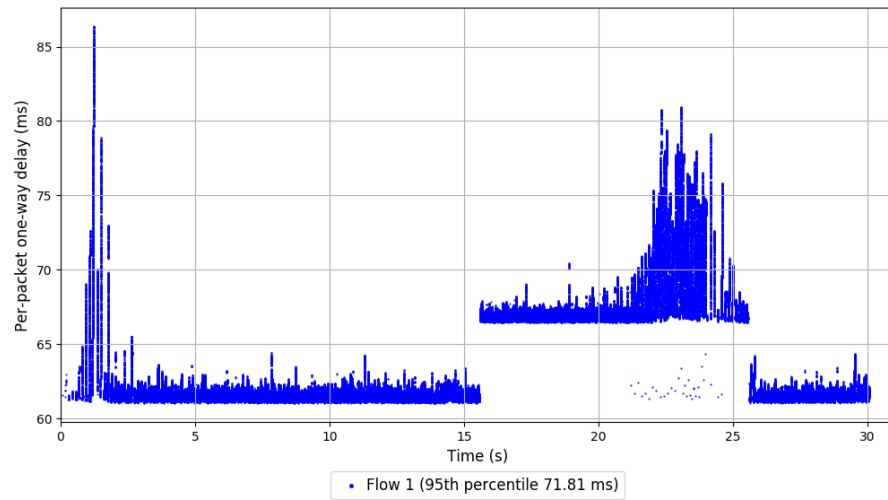
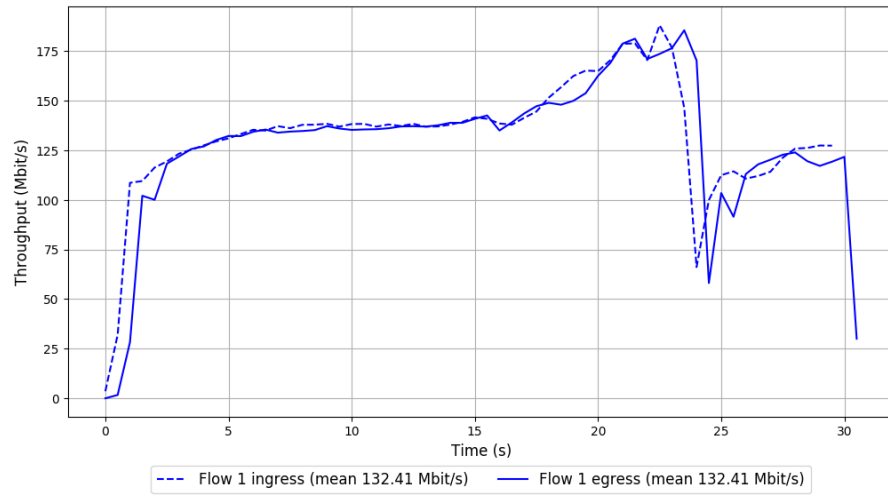


Run 8: Statistics of TCP Cubic

Start at: 2018-05-22 21:07:31
End at: 2018-05-22 21:08:01
Local clock offset: -0.347 ms
Remote clock offset: -0.147 ms

Below is generated by plot.py at 2018-05-22 22:20:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 132.41 Mbit/s
95th percentile per-packet one-way delay: 71.812 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.41 Mbit/s
95th percentile per-packet one-way delay: 71.812 ms
Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-05-22 21:27:38

End at: 2018-05-22 21:28:08

Local clock offset: -0.293 ms

Remote clock offset: 0.151 ms

Below is generated by plot.py at 2018-05-22 22:20:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 36.68 Mbit/s

95th percentile per-packet one-way delay: 63.589 ms

Loss rate: 0.01%

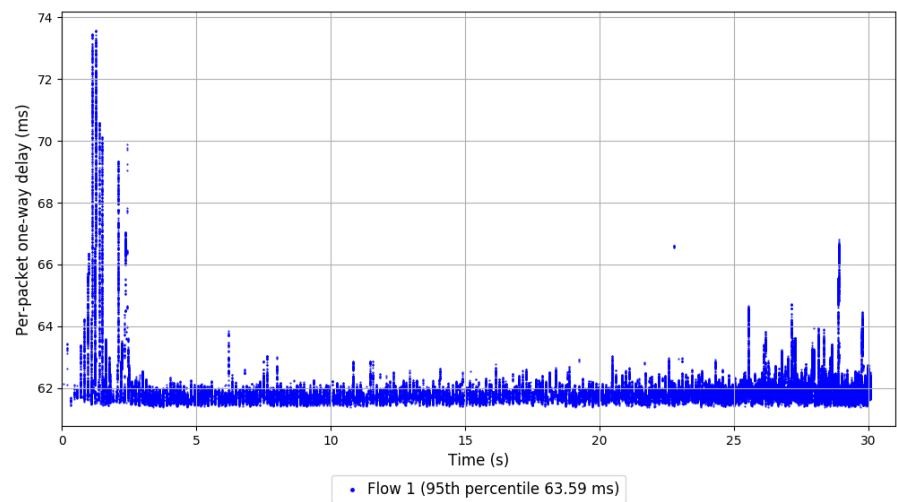
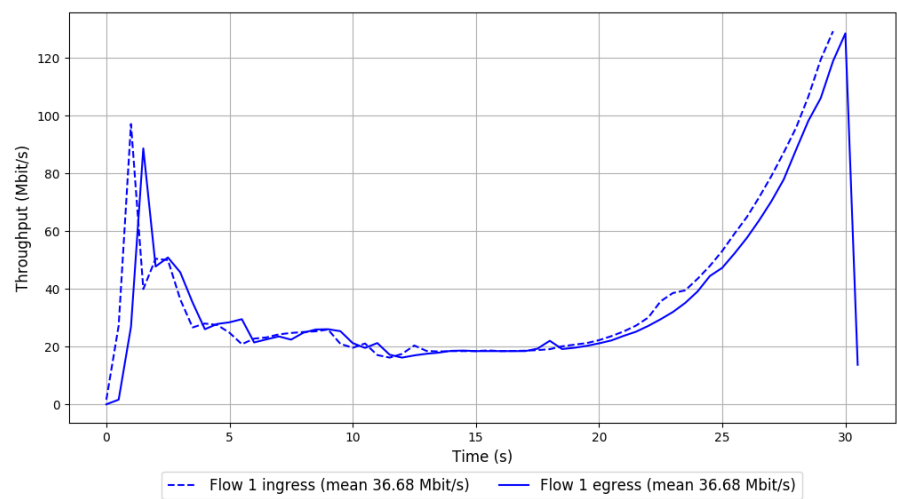
-- Flow 1:

Average throughput: 36.68 Mbit/s

95th percentile per-packet one-way delay: 63.589 ms

Loss rate: 0.01%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-05-22 21:47:10

End at: 2018-05-22 21:47:40

Local clock offset: 0.114 ms

Remote clock offset: 0.251 ms

Below is generated by plot.py at 2018-05-22 22:20:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 117.68 Mbit/s

95th percentile per-packet one-way delay: 71.728 ms

Loss rate: 0.00%

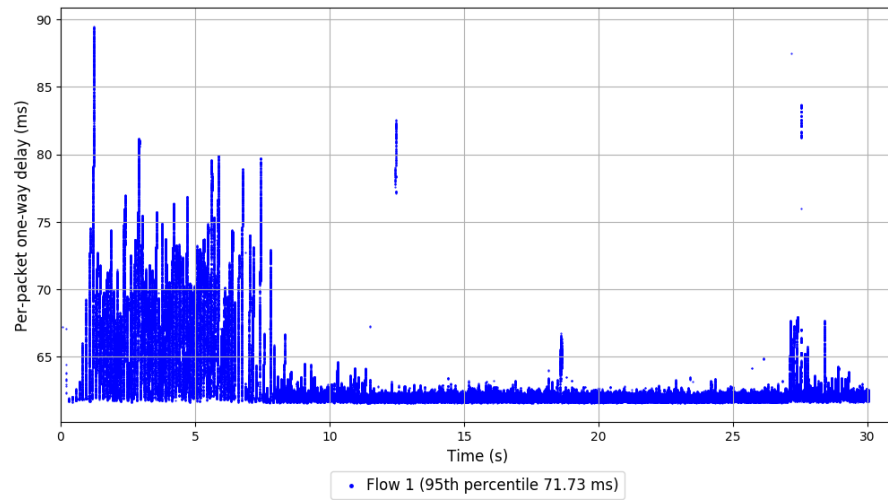
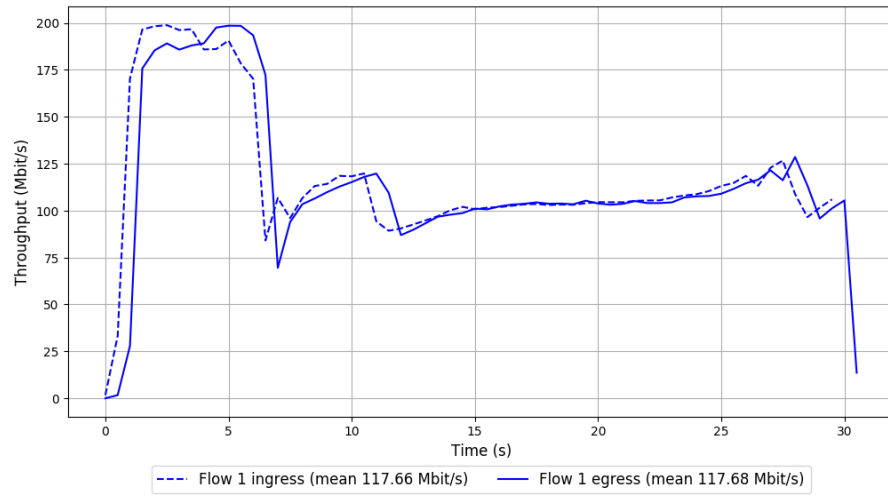
-- Flow 1:

Average throughput: 117.68 Mbit/s

95th percentile per-packet one-way delay: 71.728 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-05-22 18:42:48

End at: 2018-05-22 18:43:18

Local clock offset: -0.152 ms

Remote clock offset: 0.312 ms

Below is generated by plot.py at 2018-05-22 22:33:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 606.82 Mbit/s

95th percentile per-packet one-way delay: 241.838 ms

Loss rate: 0.53%

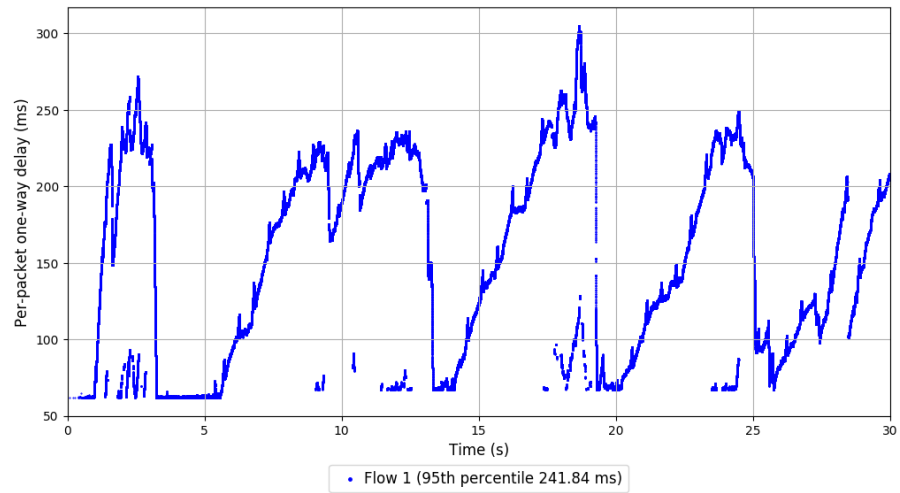
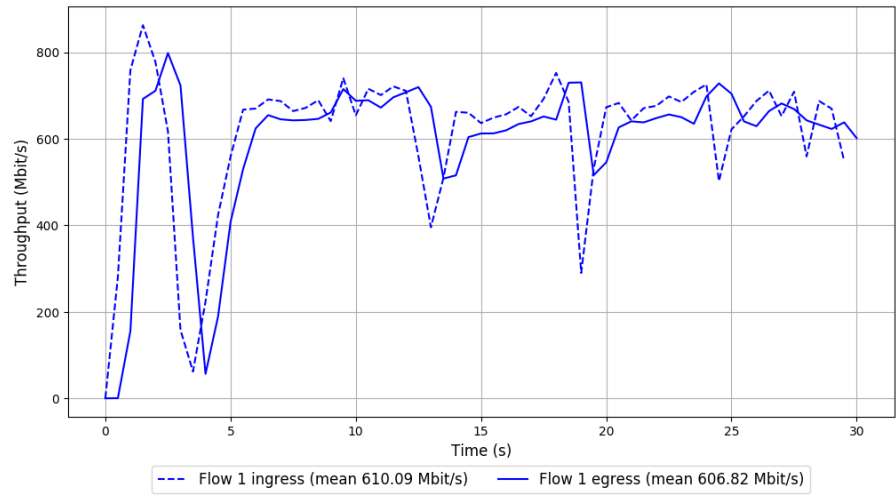
-- Flow 1:

Average throughput: 606.82 Mbit/s

95th percentile per-packet one-way delay: 241.838 ms

Loss rate: 0.53%

Run 1: Report of FillP — Data Link

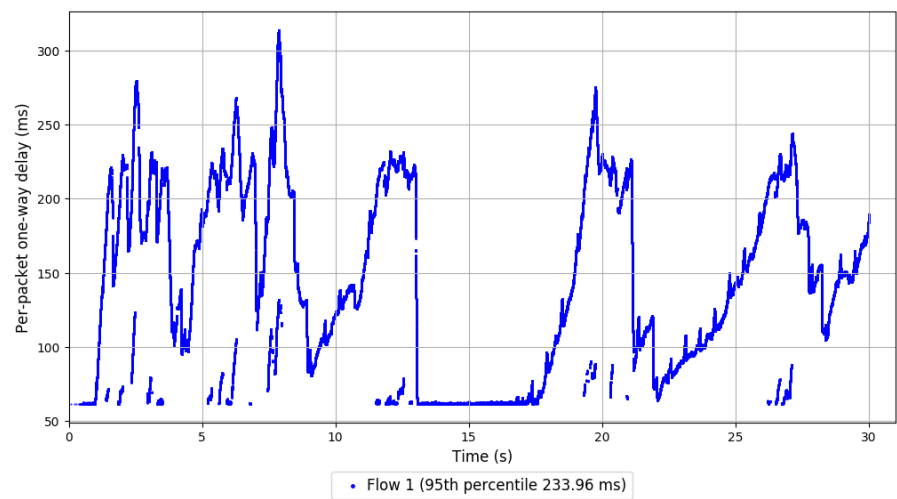
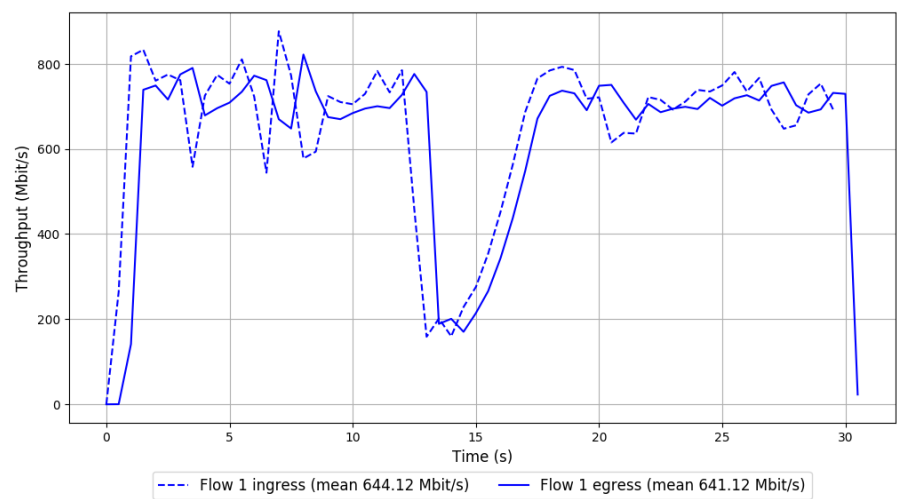


Run 2: Statistics of FillP

Start at: 2018-05-22 19:02:51
End at: 2018-05-22 19:03:21
Local clock offset: -0.002 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-05-22 22:35:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 641.12 Mbit/s
95th percentile per-packet one-way delay: 233.959 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 641.12 Mbit/s
95th percentile per-packet one-way delay: 233.959 ms
Loss rate: 0.46%

Run 2: Report of FillP — Data Link

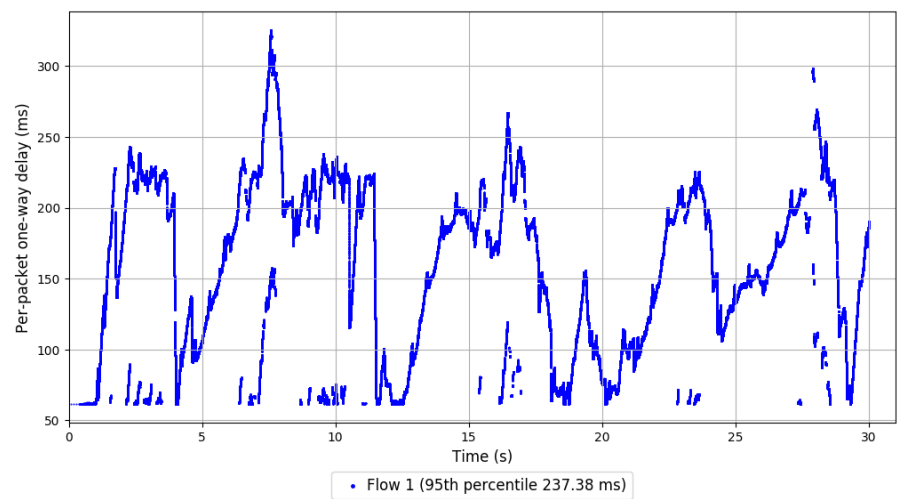
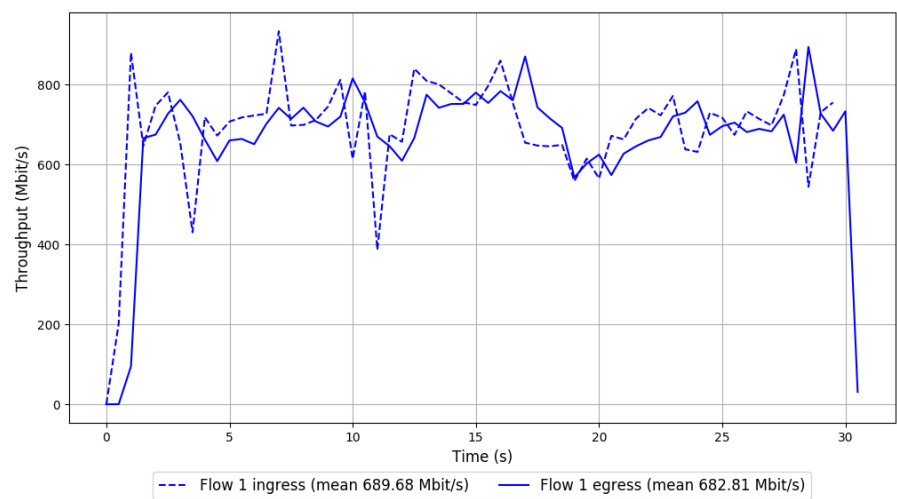


Run 3: Statistics of FillP

Start at: 2018-05-22 19:22:56
End at: 2018-05-22 19:23:26
Local clock offset: -0.006 ms
Remote clock offset: -0.143 ms

Below is generated by plot.py at 2018-05-22 22:35:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 682.81 Mbit/s
95th percentile per-packet one-way delay: 237.376 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 682.81 Mbit/s
95th percentile per-packet one-way delay: 237.376 ms
Loss rate: 0.99%

Run 3: Report of FillP — Data Link

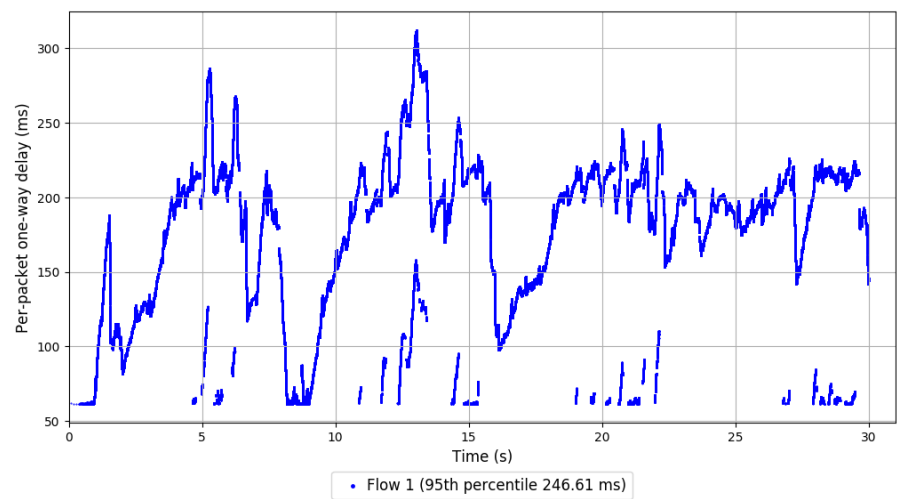
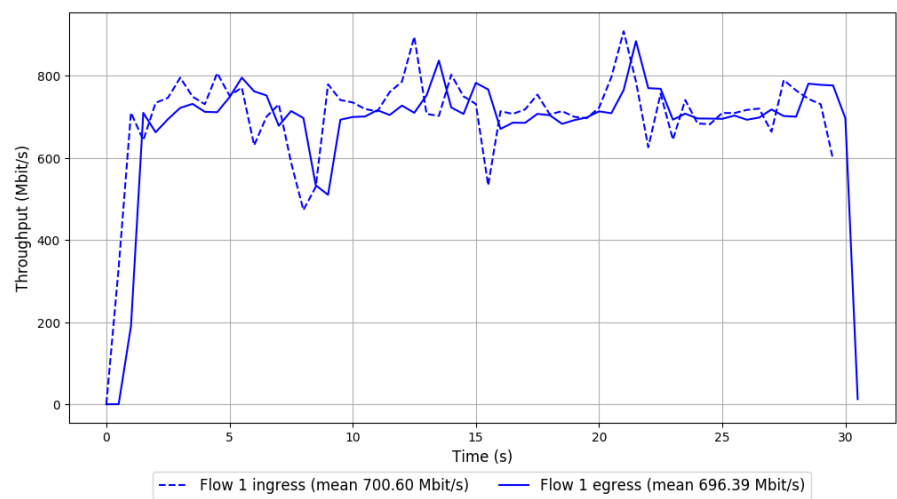


Run 4: Statistics of FillP

Start at: 2018-05-22 19:43:14
End at: 2018-05-22 19:43:44
Local clock offset: -0.009 ms
Remote clock offset: -0.136 ms

Below is generated by plot.py at 2018-05-22 22:36:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 696.39 Mbit/s
95th percentile per-packet one-way delay: 246.610 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 696.39 Mbit/s
95th percentile per-packet one-way delay: 246.610 ms
Loss rate: 0.60%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-05-22 20:03:25

End at: 2018-05-22 20:03:55

Local clock offset: -0.236 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-05-22 22:36:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 669.98 Mbit/s

95th percentile per-packet one-way delay: 255.674 ms

Loss rate: 0.52%

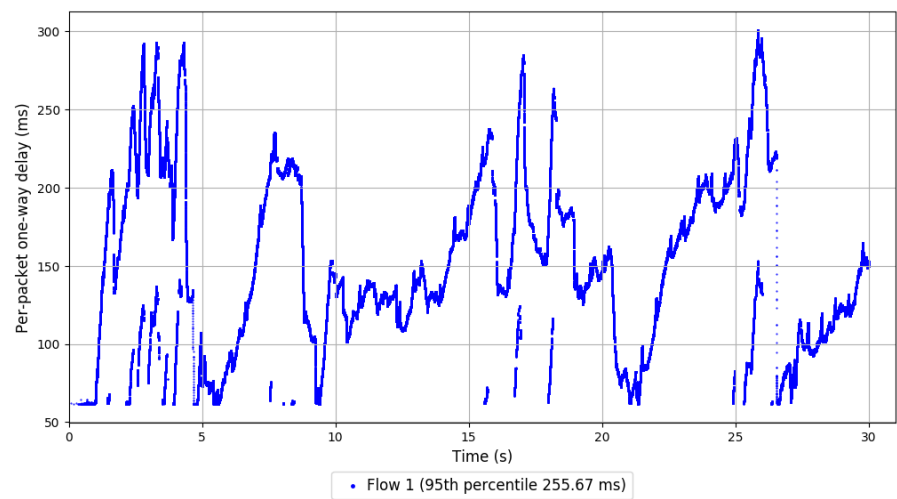
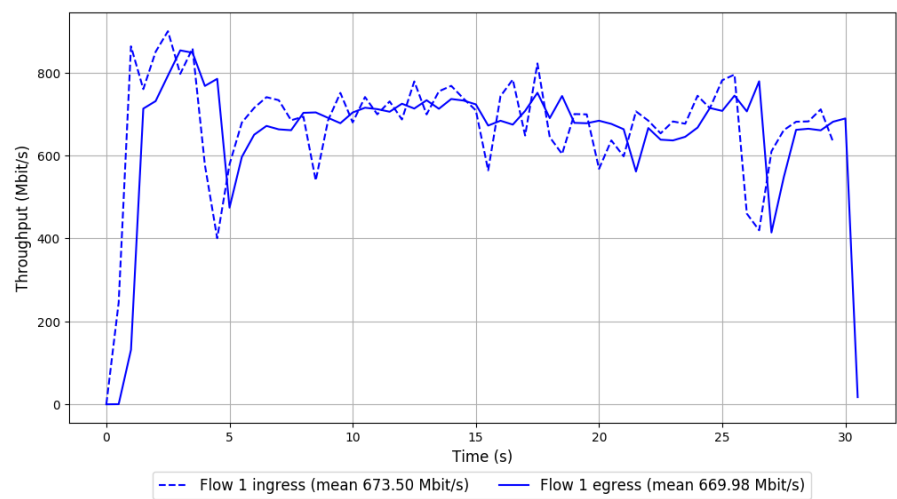
-- Flow 1:

Average throughput: 669.98 Mbit/s

95th percentile per-packet one-way delay: 255.674 ms

Loss rate: 0.52%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-05-22 20:23:28

End at: 2018-05-22 20:23:58

Local clock offset: -0.39 ms

Remote clock offset: 0.294 ms

Below is generated by plot.py at 2018-05-22 22:36:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 601.59 Mbit/s

95th percentile per-packet one-way delay: 253.974 ms

Loss rate: 0.67%

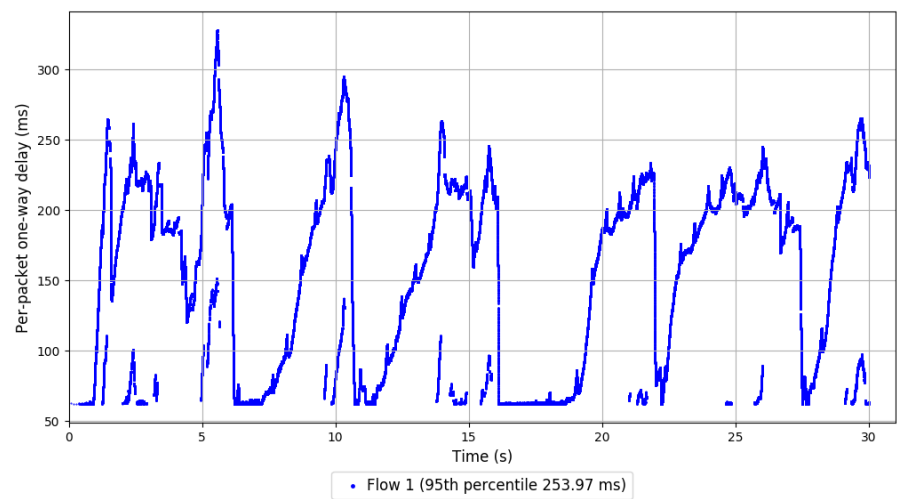
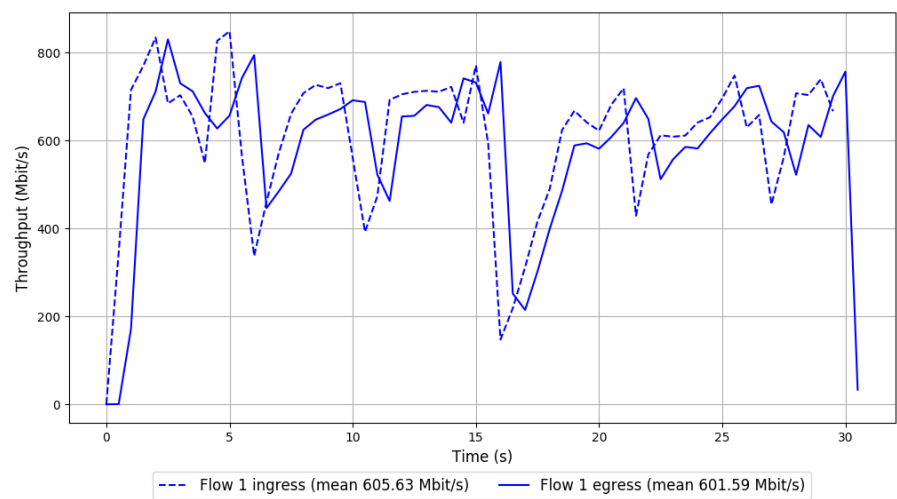
-- Flow 1:

Average throughput: 601.59 Mbit/s

95th percentile per-packet one-way delay: 253.974 ms

Loss rate: 0.67%

Run 6: Report of FillP — Data Link

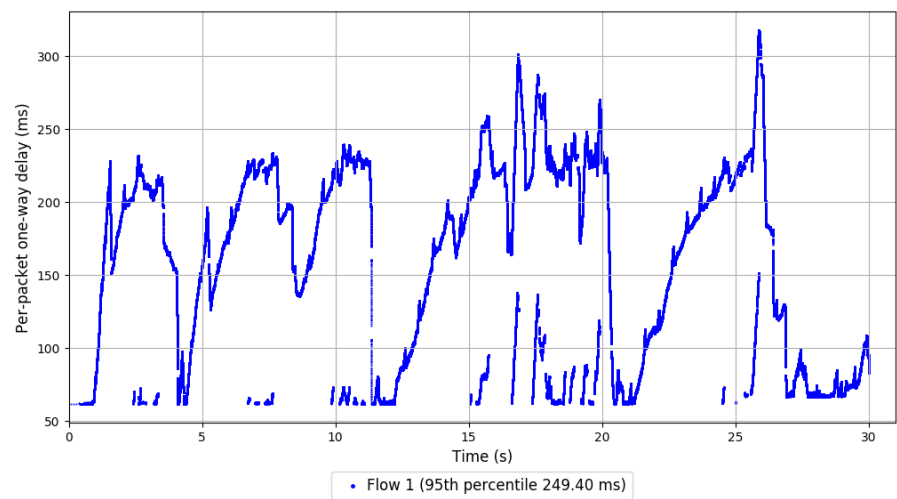
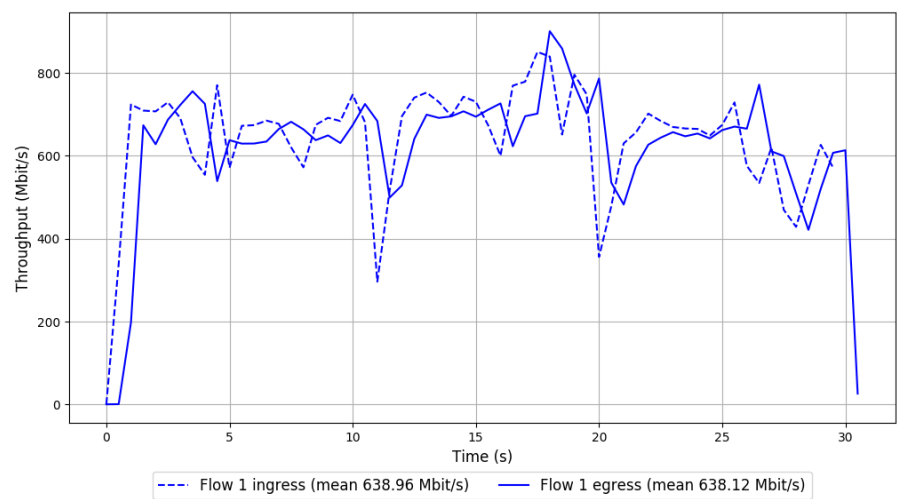


Run 7: Statistics of FillP

Start at: 2018-05-22 20:43:31
End at: 2018-05-22 20:44:01
Local clock offset: -0.324 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-05-22 22:36:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 638.12 Mbit/s
95th percentile per-packet one-way delay: 249.397 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 638.12 Mbit/s
95th percentile per-packet one-way delay: 249.397 ms
Loss rate: 0.13%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-05-22 21:03:32

End at: 2018-05-22 21:04:02

Local clock offset: -0.322 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-05-22 22:38:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 683.97 Mbit/s

95th percentile per-packet one-way delay: 231.384 ms

Loss rate: 0.05%

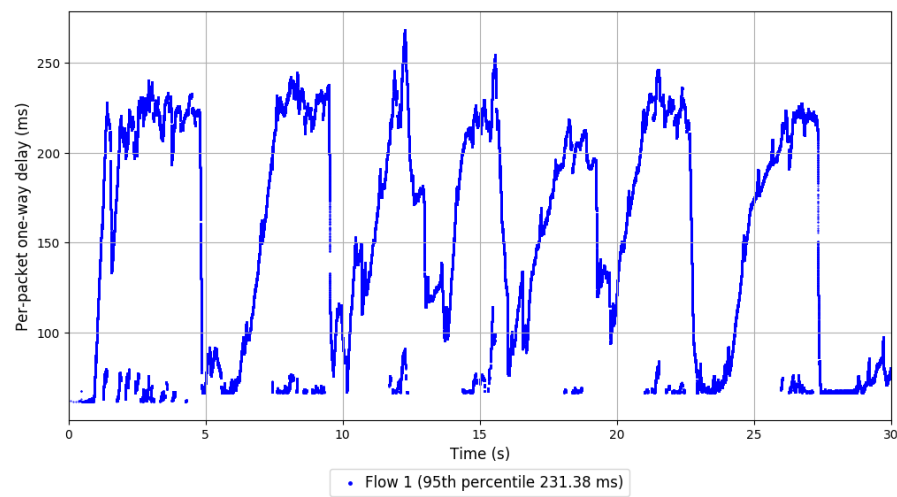
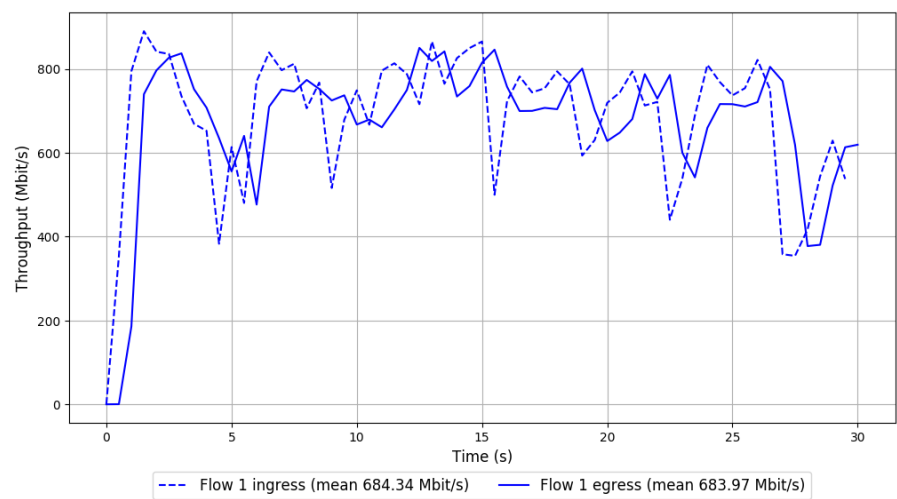
-- Flow 1:

Average throughput: 683.97 Mbit/s

95th percentile per-packet one-way delay: 231.384 ms

Loss rate: 0.05%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-05-22 21:23:30

End at: 2018-05-22 21:24:00

Local clock offset: -0.403 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-05-22 22:51:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 625.40 Mbit/s

95th percentile per-packet one-way delay: 235.837 ms

Loss rate: 0.01%

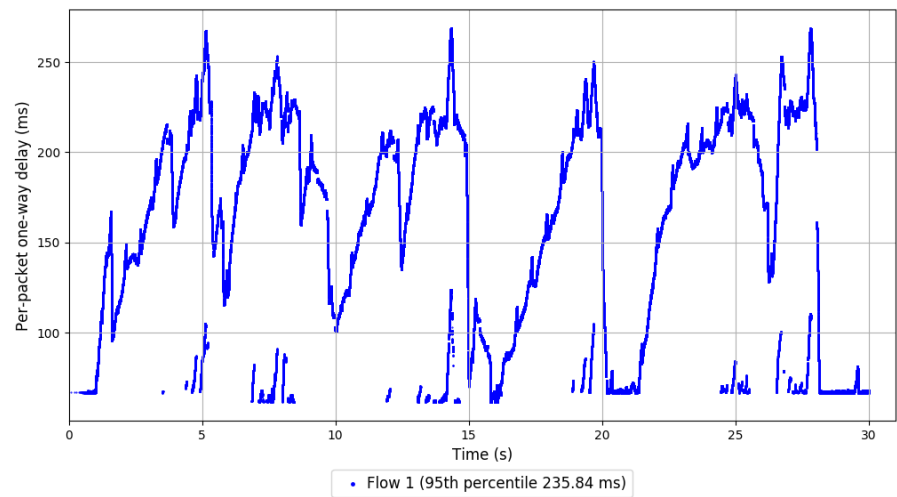
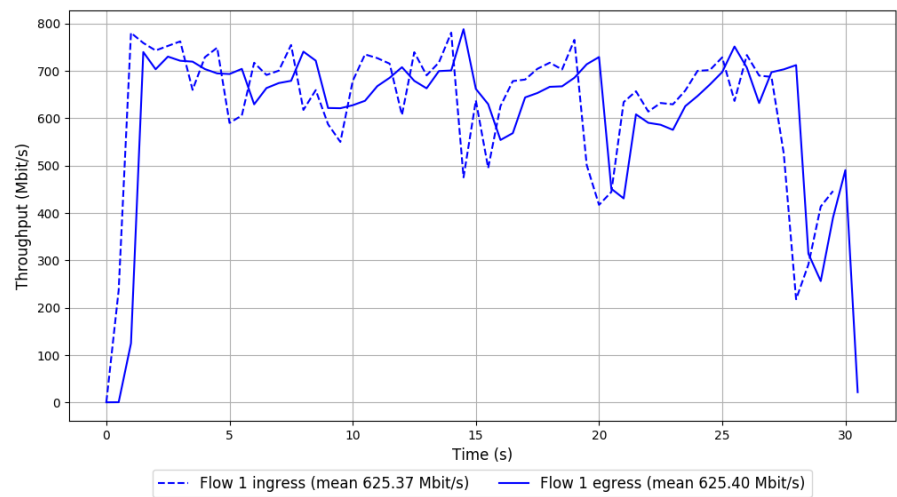
-- Flow 1:

Average throughput: 625.40 Mbit/s

95th percentile per-packet one-way delay: 235.837 ms

Loss rate: 0.01%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-05-22 21:43:18

End at: 2018-05-22 21:43:48

Local clock offset: 0.134 ms

Remote clock offset: 0.212 ms

Below is generated by plot.py at 2018-05-22 22:51:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 617.72 Mbit/s

95th percentile per-packet one-way delay: 302.104 ms

Loss rate: 2.95%

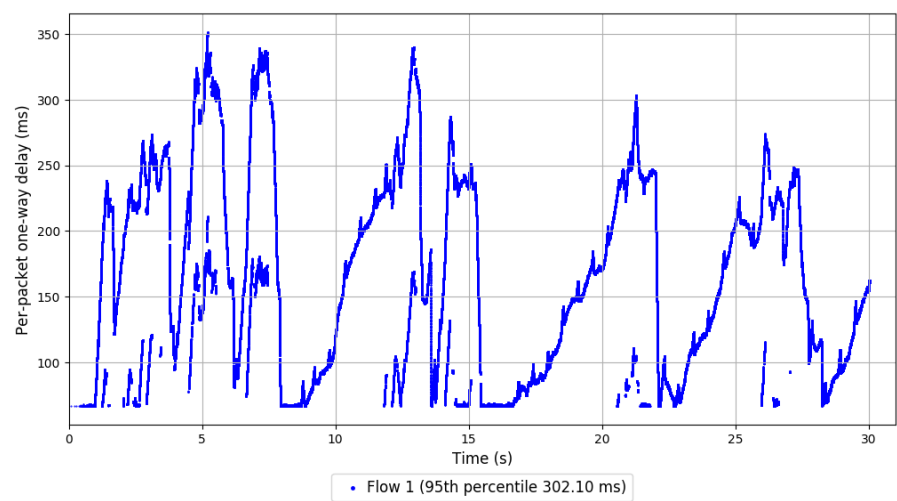
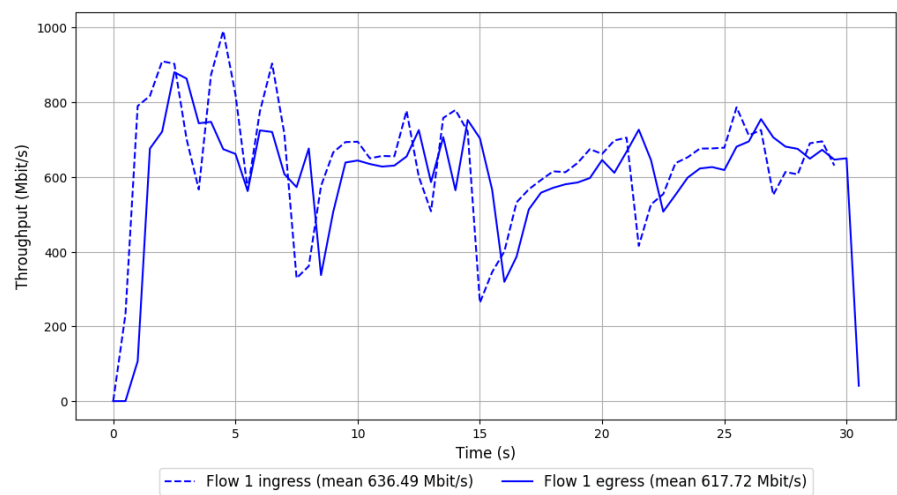
-- Flow 1:

Average throughput: 617.72 Mbit/s

95th percentile per-packet one-way delay: 302.104 ms

Loss rate: 2.95%

Run 10: Report of FillP — Data Link

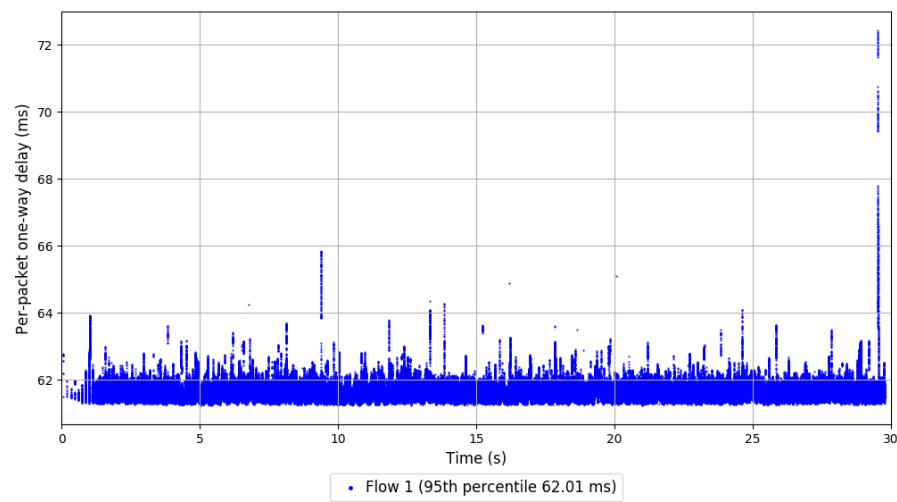
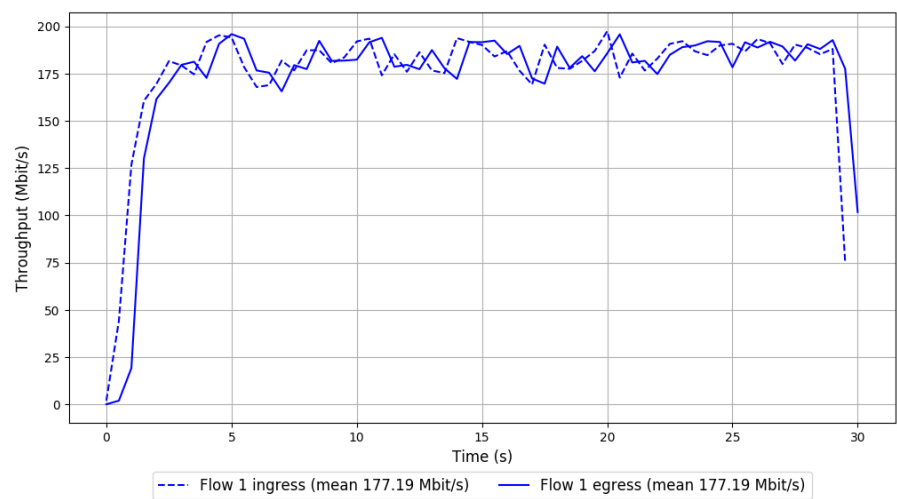


Run 1: Statistics of Indigo

Start at: 2018-05-22 18:50:26
End at: 2018-05-22 18:50:56
Local clock offset: -0.062 ms
Remote clock offset: -0.257 ms

Below is generated by plot.py at 2018-05-22 22:51:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 177.19 Mbit/s
95th percentile per-packet one-way delay: 62.013 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 177.19 Mbit/s
95th percentile per-packet one-way delay: 62.013 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-05-22 19:10:41

End at: 2018-05-22 19:11:11

Local clock offset: 0.047 ms

Remote clock offset: 0.096 ms

Below is generated by plot.py at 2018-05-22 22:51:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.51 Mbit/s

95th percentile per-packet one-way delay: 65.366 ms

Loss rate: 0.01%

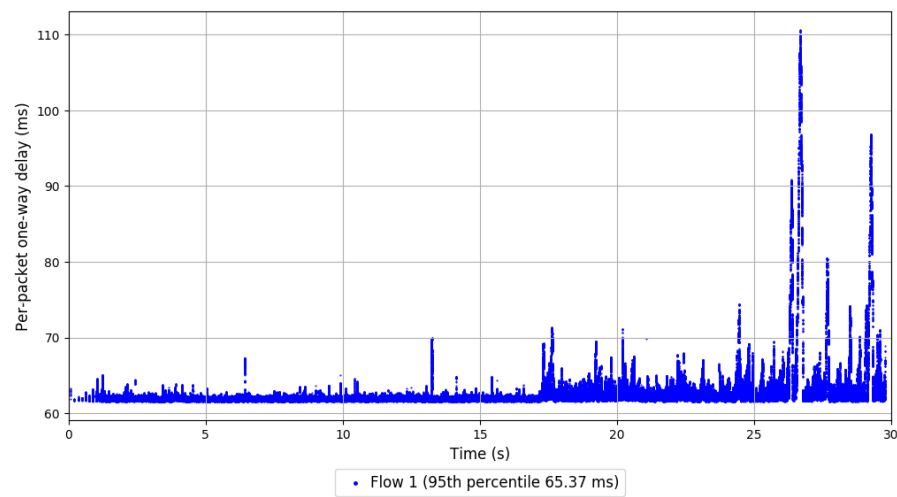
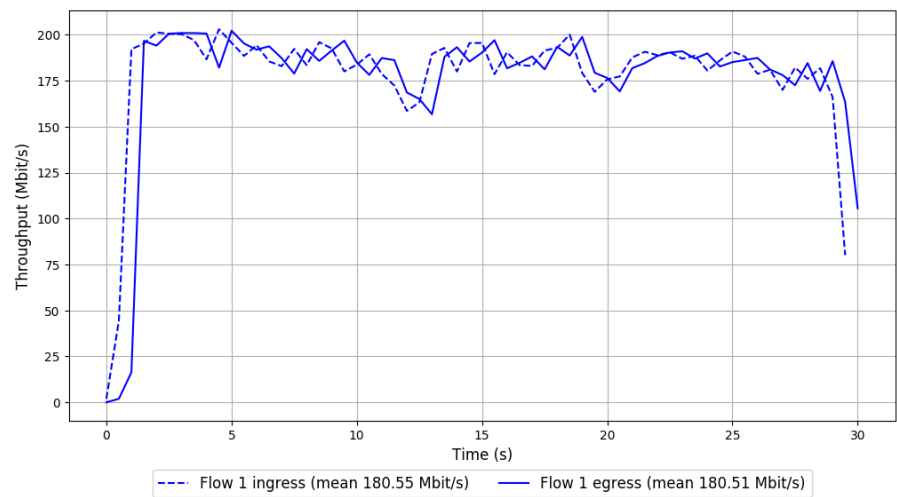
-- Flow 1:

Average throughput: 180.51 Mbit/s

95th percentile per-packet one-way delay: 65.366 ms

Loss rate: 0.01%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-05-22 19:30:49

End at: 2018-05-22 19:31:19

Local clock offset: -0.017 ms

Remote clock offset: -0.18 ms

Below is generated by plot.py at 2018-05-22 22:51:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 164.69 Mbit/s

95th percentile per-packet one-way delay: 75.835 ms

Loss rate: 0.02%

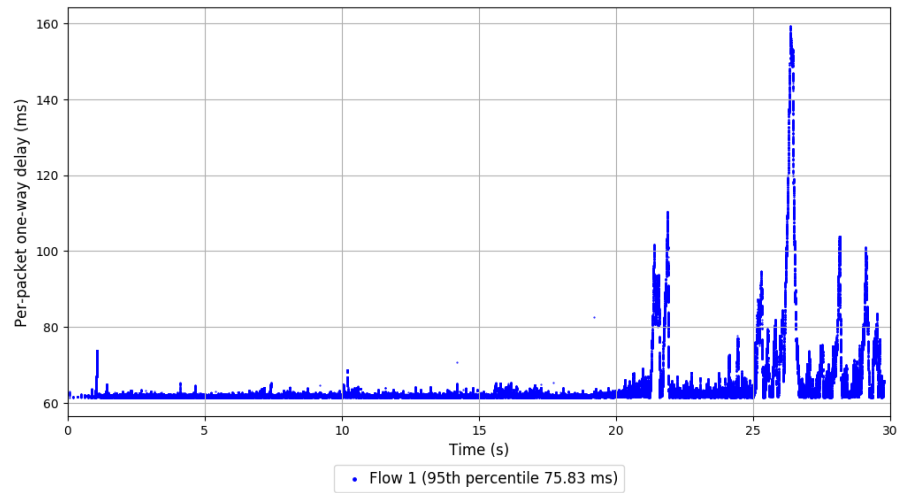
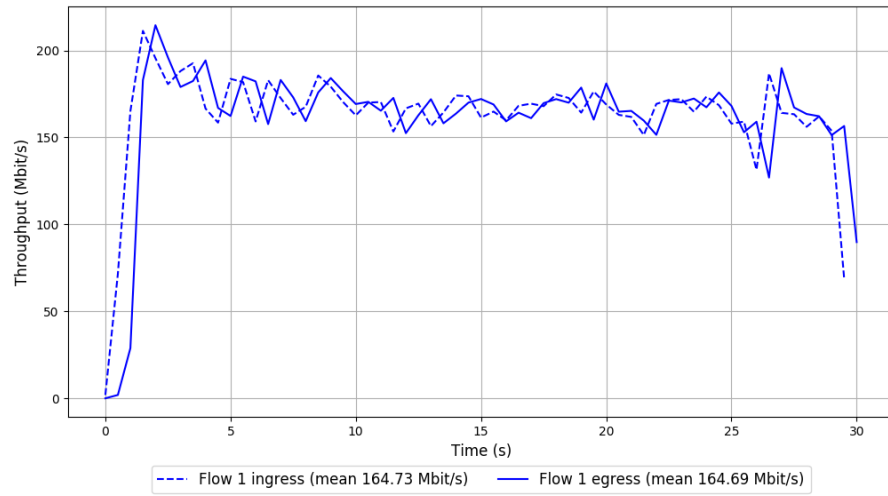
-- Flow 1:

Average throughput: 164.69 Mbit/s

95th percentile per-packet one-way delay: 75.835 ms

Loss rate: 0.02%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-05-22 19:50:53

End at: 2018-05-22 19:51:23

Local clock offset: -0.14 ms

Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-05-22 22:51:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 176.81 Mbit/s

95th percentile per-packet one-way delay: 62.093 ms

Loss rate: 0.00%

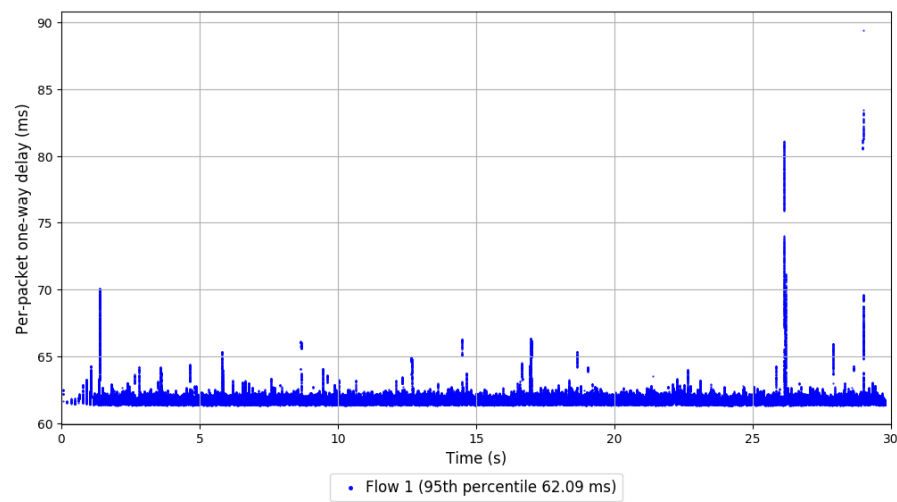
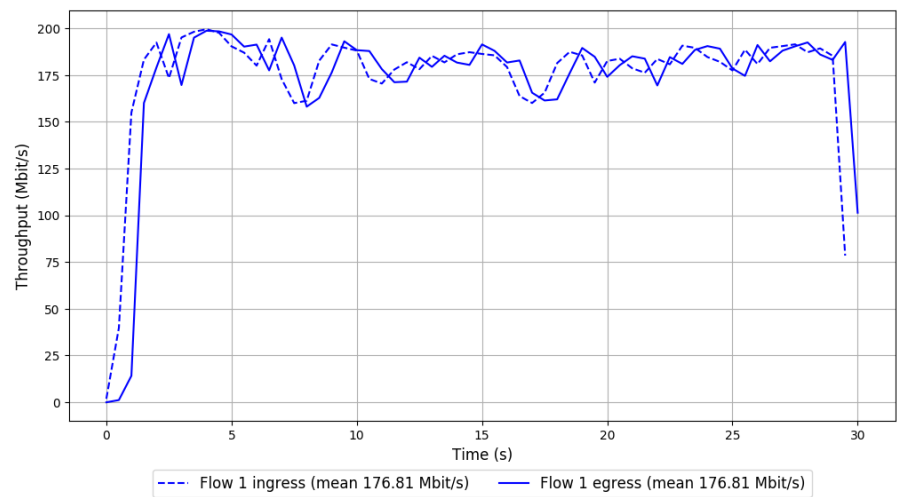
-- Flow 1:

Average throughput: 176.81 Mbit/s

95th percentile per-packet one-way delay: 62.093 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-05-22 20:11:08

End at: 2018-05-22 20:11:38

Local clock offset: -0.232 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-05-22 22:51:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 184.26 Mbit/s

95th percentile per-packet one-way delay: 62.674 ms

Loss rate: 0.00%

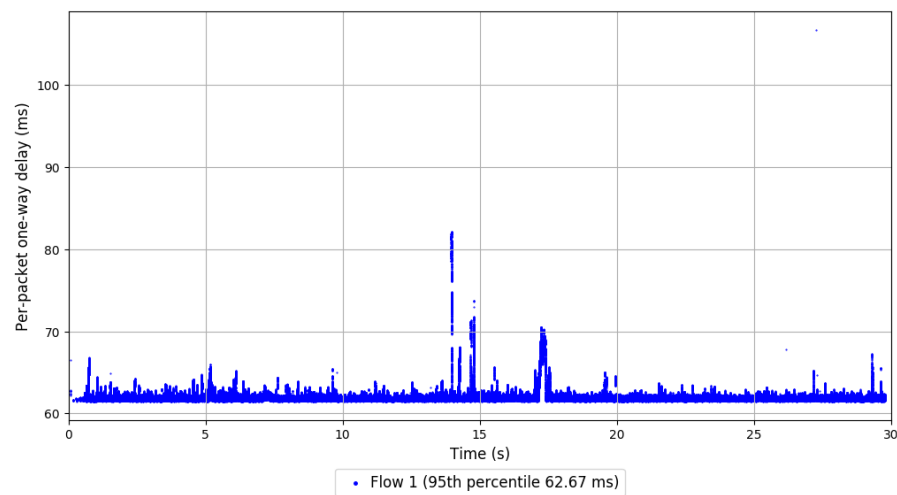
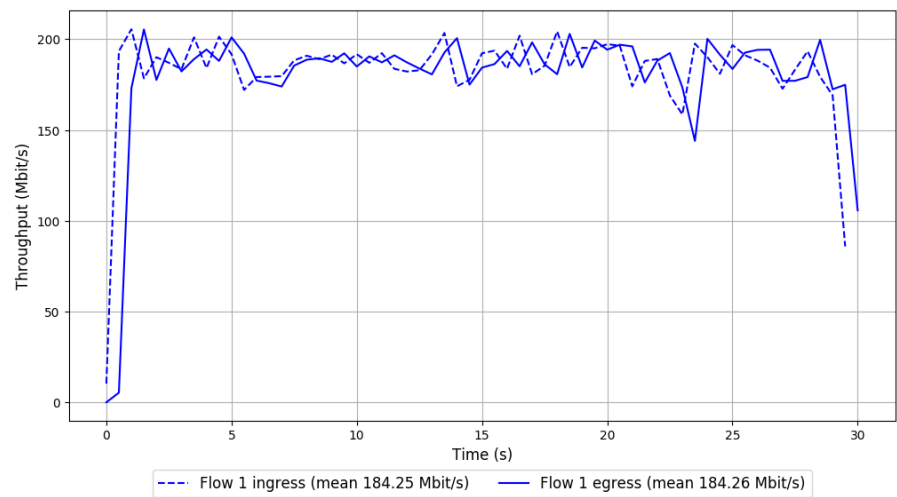
-- Flow 1:

Average throughput: 184.26 Mbit/s

95th percentile per-packet one-way delay: 62.674 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-05-22 20:31:04

End at: 2018-05-22 20:31:34

Local clock offset: -0.217 ms

Remote clock offset: 0.117 ms

Below is generated by plot.py at 2018-05-22 22:51:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 173.93 Mbit/s

95th percentile per-packet one-way delay: 67.251 ms

Loss rate: 0.00%

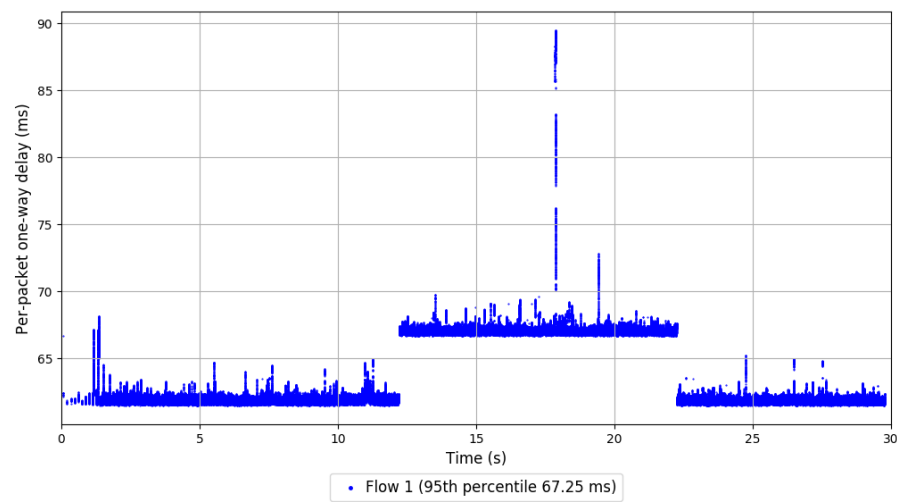
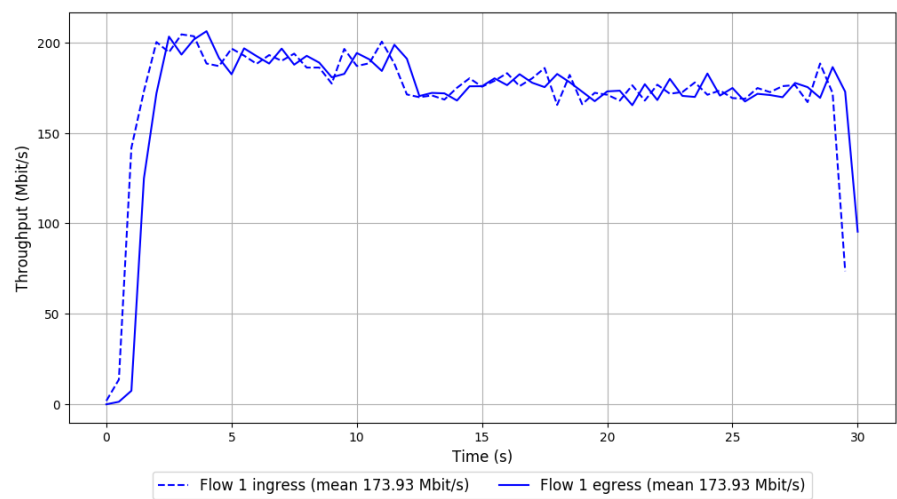
-- Flow 1:

Average throughput: 173.93 Mbit/s

95th percentile per-packet one-way delay: 67.251 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

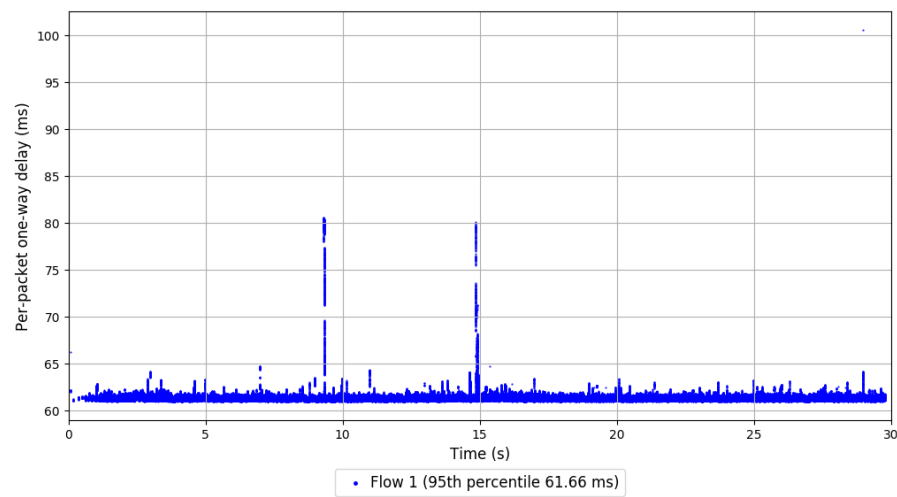
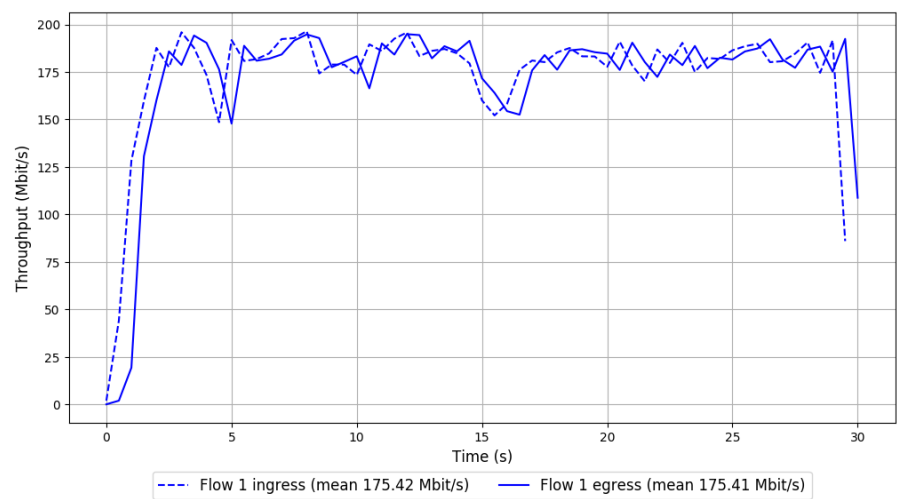


Run 7: Statistics of Indigo

Start at: 2018-05-22 20:51:13
End at: 2018-05-22 20:51:43
Local clock offset: -0.386 ms
Remote clock offset: -0.313 ms

Below is generated by plot.py at 2018-05-22 22:51:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 175.41 Mbit/s
95th percentile per-packet one-way delay: 61.662 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 175.41 Mbit/s
95th percentile per-packet one-way delay: 61.662 ms
Loss rate: 0.01%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-05-22 21:11:11

End at: 2018-05-22 21:11:41

Local clock offset: -0.398 ms

Remote clock offset: 0.24 ms

Below is generated by plot.py at 2018-05-22 22:51:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.26 Mbit/s

95th percentile per-packet one-way delay: 62.329 ms

Loss rate: 0.00%

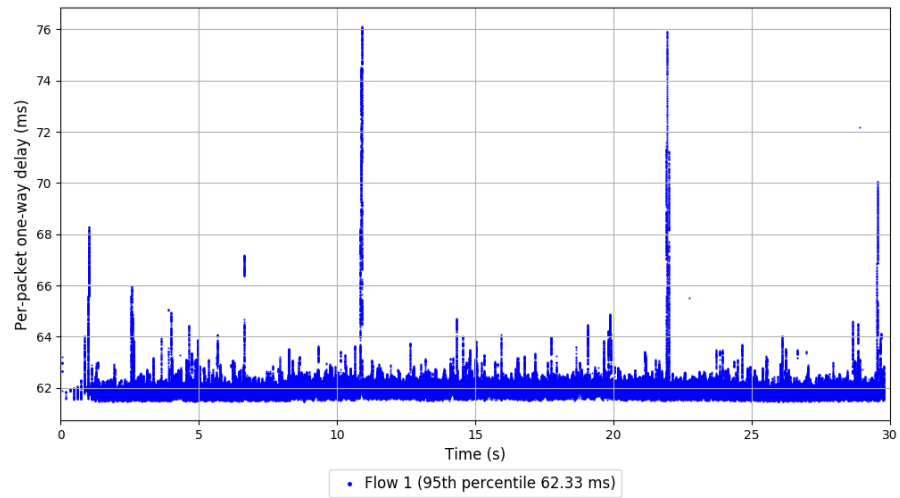
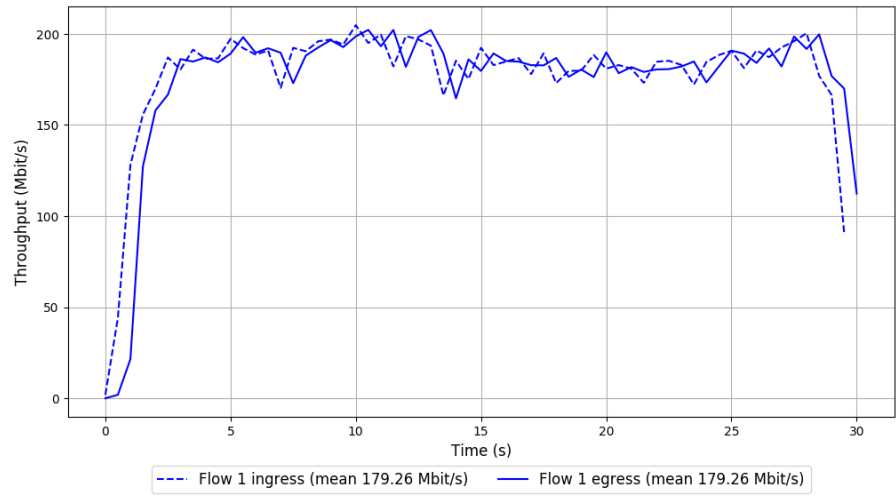
-- Flow 1:

Average throughput: 179.26 Mbit/s

95th percentile per-packet one-way delay: 62.329 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-05-22 21:31:04

End at: 2018-05-22 21:31:34

Local clock offset: -0.134 ms

Remote clock offset: 0.074 ms

Below is generated by plot.py at 2018-05-22 22:51:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.83 Mbit/s

95th percentile per-packet one-way delay: 62.460 ms

Loss rate: 0.00%

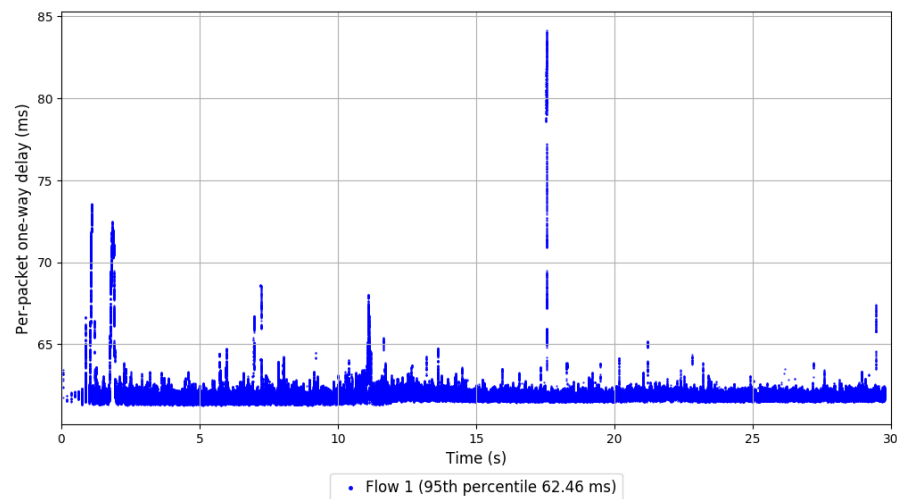
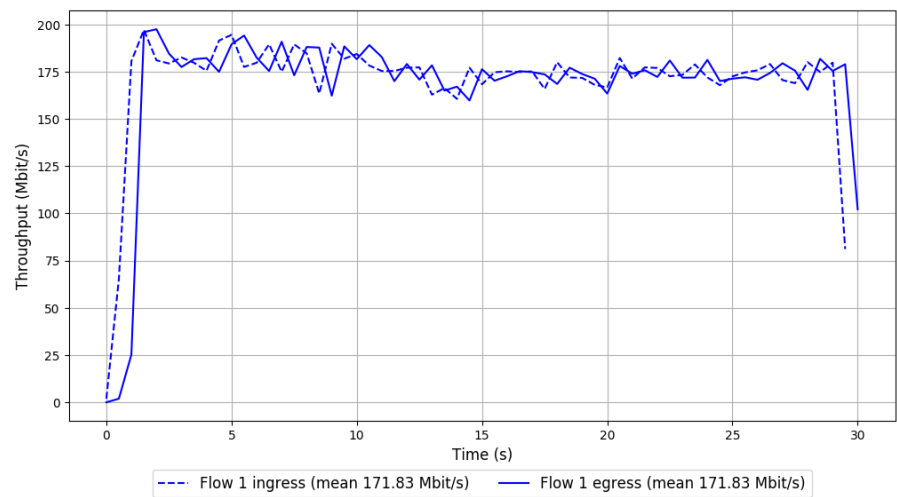
-- Flow 1:

Average throughput: 171.83 Mbit/s

95th percentile per-packet one-way delay: 62.460 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-05-22 21:50:53

End at: 2018-05-22 21:51:23

Local clock offset: 0.191 ms

Remote clock offset: -0.128 ms

Below is generated by plot.py at 2018-05-22 22:51:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 184.92 Mbit/s

95th percentile per-packet one-way delay: 62.004 ms

Loss rate: 0.00%

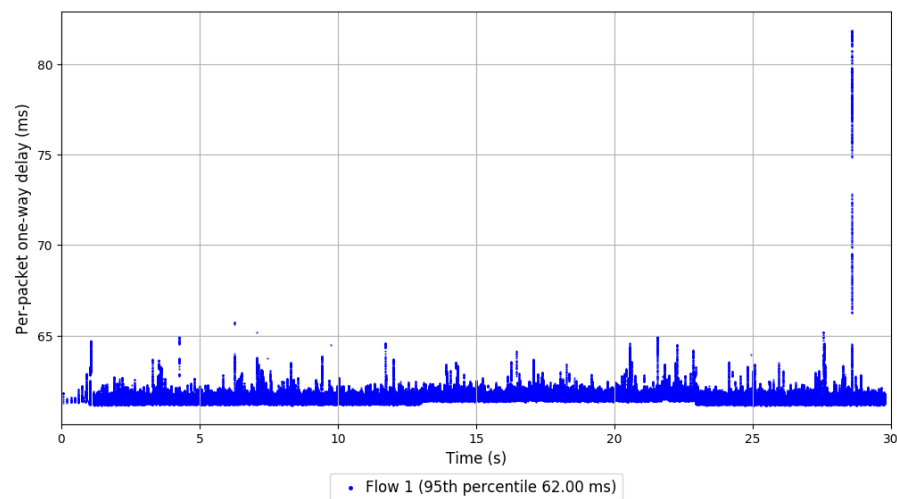
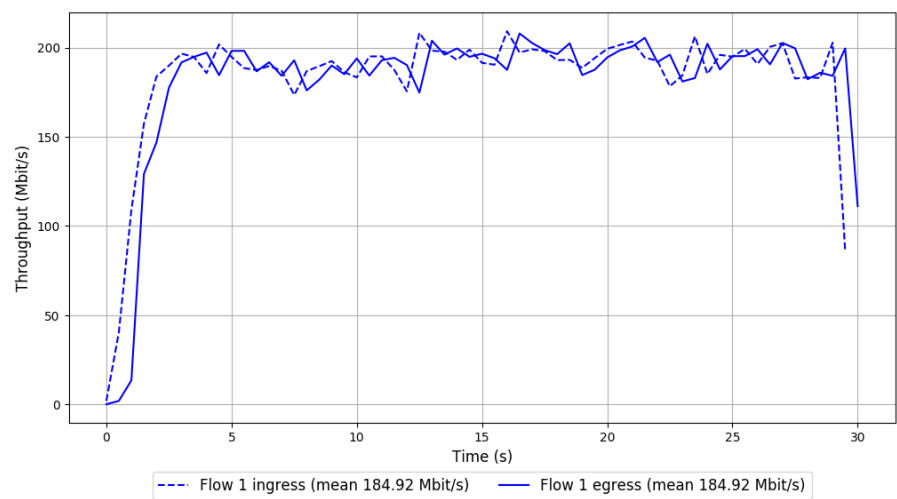
-- Flow 1:

Average throughput: 184.92 Mbit/s

95th percentile per-packet one-way delay: 62.004 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

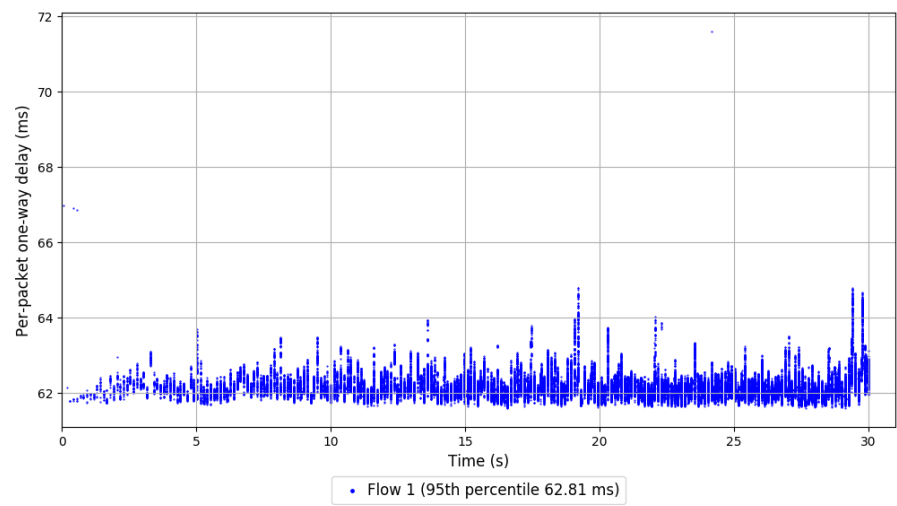
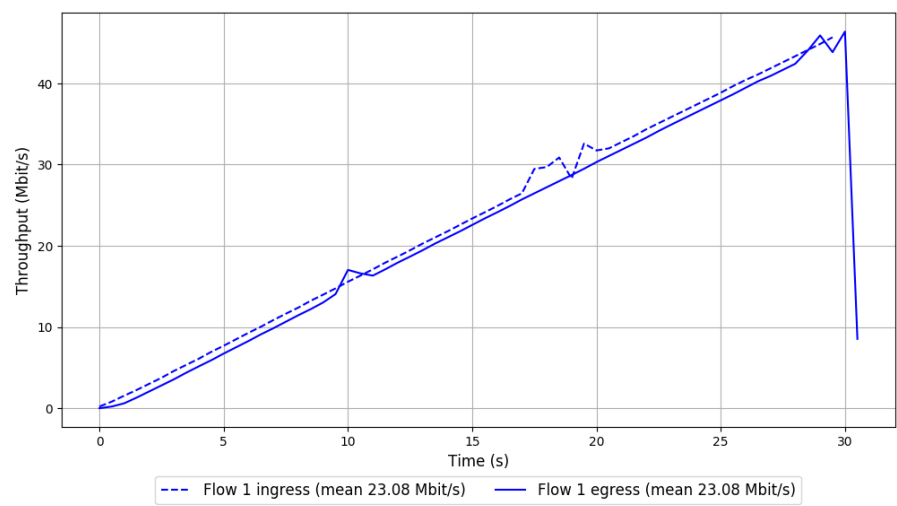


```
Run 1: Statistics of LEDBAT

Start at: 2018-05-22 18:54:16
End at: 2018-05-22 18:54:46
Local clock offset: -0.071 ms
Remote clock offset: 0.086 ms

# Below is generated by plot.py at 2018-05-22 22:51:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.08 Mbit/s
95th percentile per-packet one-way delay: 62.807 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.08 Mbit/s
95th percentile per-packet one-way delay: 62.807 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

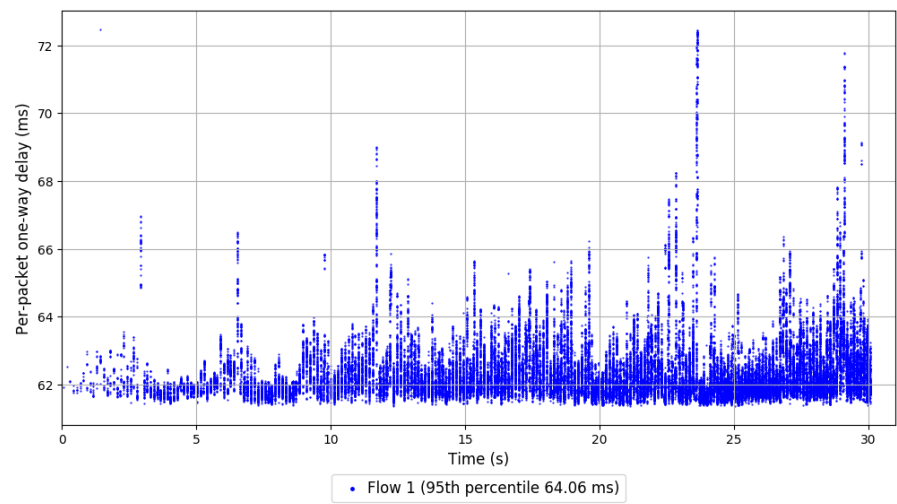
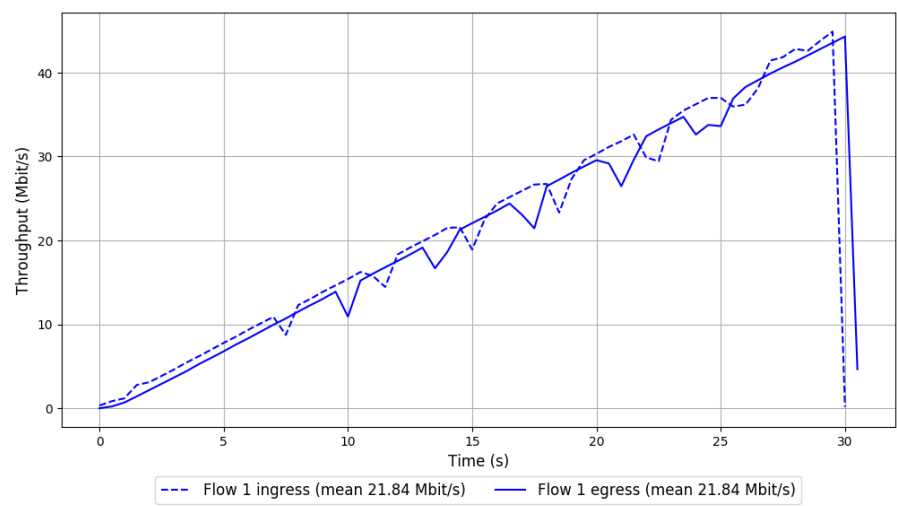


Run 2: Statistics of LEDBAT

Start at: 2018-05-22 19:14:39
End at: 2018-05-22 19:15:09
Local clock offset: -0.017 ms
Remote clock offset: -0.142 ms

Below is generated by plot.py at 2018-05-22 22:51:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.84 Mbit/s
95th percentile per-packet one-way delay: 64.062 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.84 Mbit/s
95th percentile per-packet one-way delay: 64.062 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

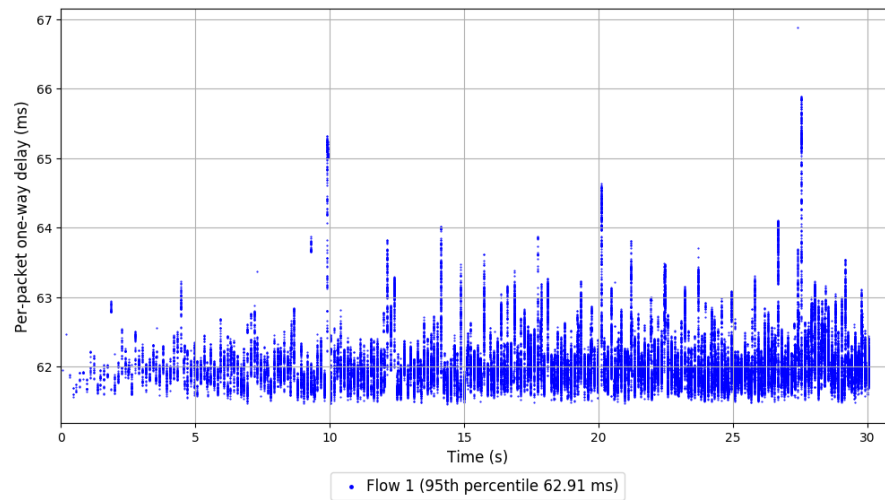
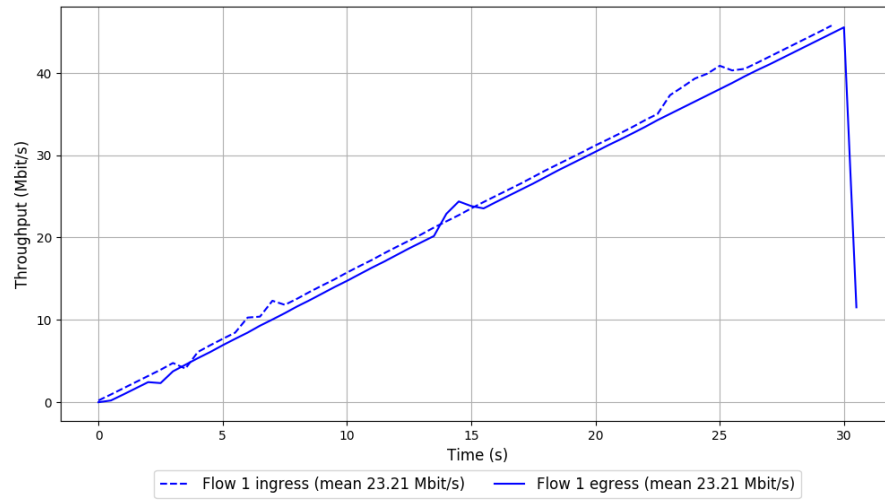


Run 3: Statistics of LEDBAT

Start at: 2018-05-22 19:34:41
End at: 2018-05-22 19:35:11
Local clock offset: 0.018 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-05-22 22:51:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.21 Mbit/s
95th percentile per-packet one-way delay: 62.915 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.21 Mbit/s
95th percentile per-packet one-way delay: 62.915 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

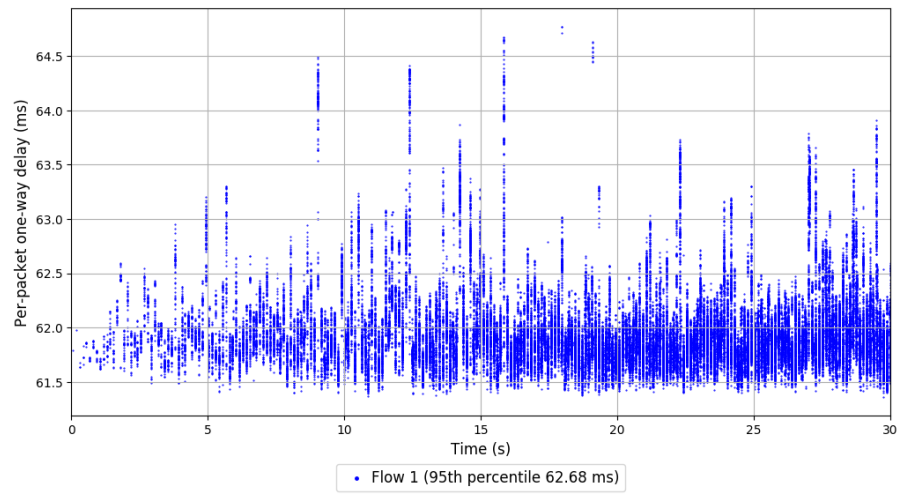
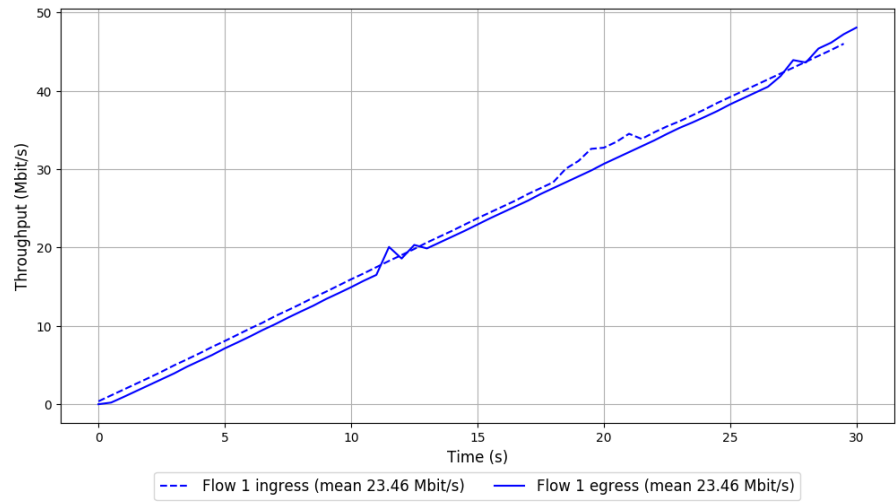


Run 4: Statistics of LEDBAT

Start at: 2018-05-22 19:54:47
End at: 2018-05-22 19:55:17
Local clock offset: -0.157 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-05-22 22:51:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.46 Mbit/s
95th percentile per-packet one-way delay: 62.677 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.46 Mbit/s
95th percentile per-packet one-way delay: 62.677 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

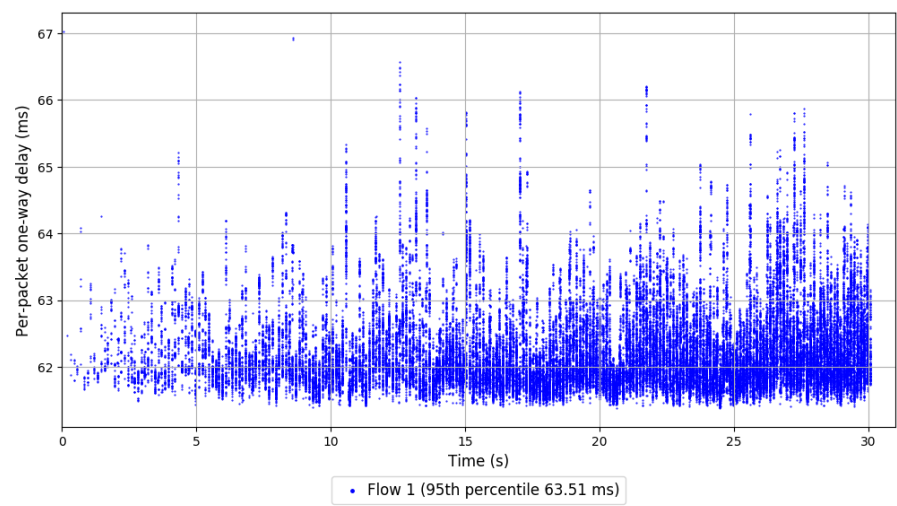
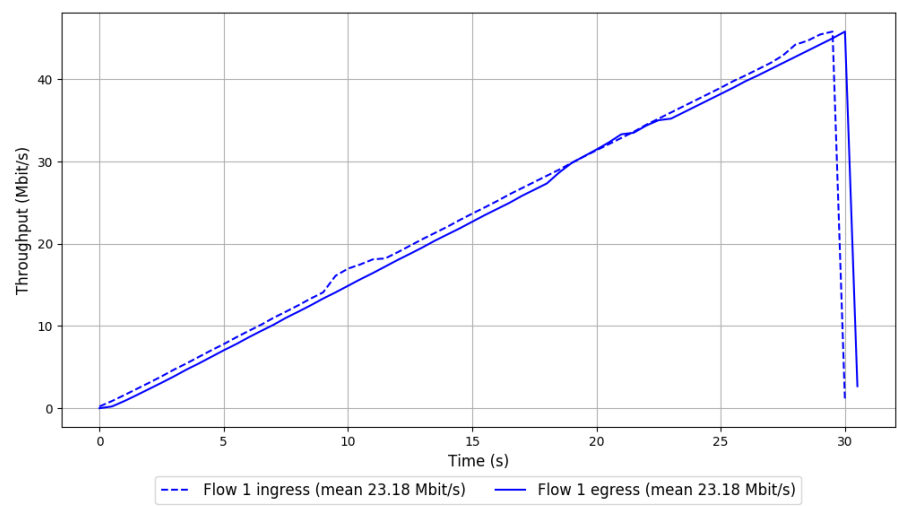


Run 5: Statistics of LEDBAT

Start at: 2018-05-22 20:15:00
End at: 2018-05-22 20:15:30
Local clock offset: -0.319 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-05-22 22:51:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.18 Mbit/s
95th percentile per-packet one-way delay: 63.513 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.18 Mbit/s
95th percentile per-packet one-way delay: 63.513 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

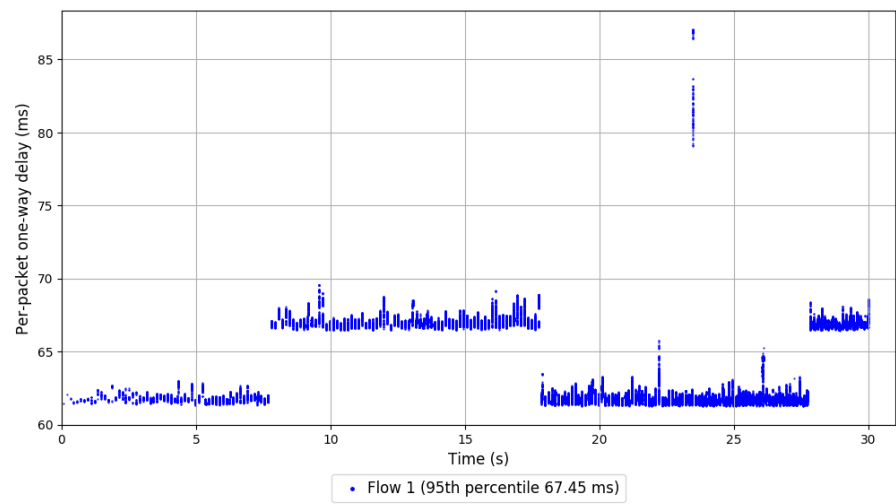
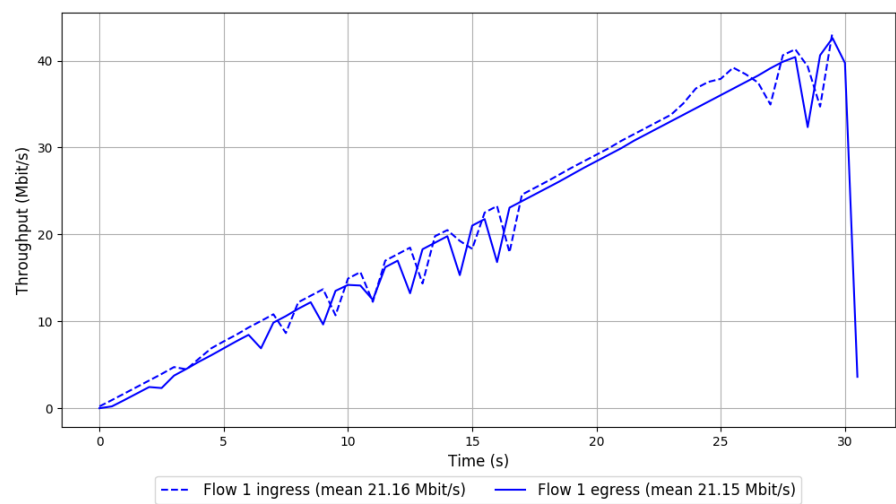


Run 6: Statistics of LEDBAT

Start at: 2018-05-22 20:34:59
End at: 2018-05-22 20:35:29
Local clock offset: -0.306 ms
Remote clock offset: -0.208 ms

Below is generated by plot.py at 2018-05-22 22:51:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.15 Mbit/s
95th percentile per-packet one-way delay: 67.450 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.15 Mbit/s
95th percentile per-packet one-way delay: 67.450 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-05-22 20:55:04

End at: 2018-05-22 20:55:34

Local clock offset: -0.36 ms

Remote clock offset: 0.057 ms

Below is generated by plot.py at 2018-05-22 22:51:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.13 Mbit/s

95th percentile per-packet one-way delay: 62.601 ms

Loss rate: 0.00%

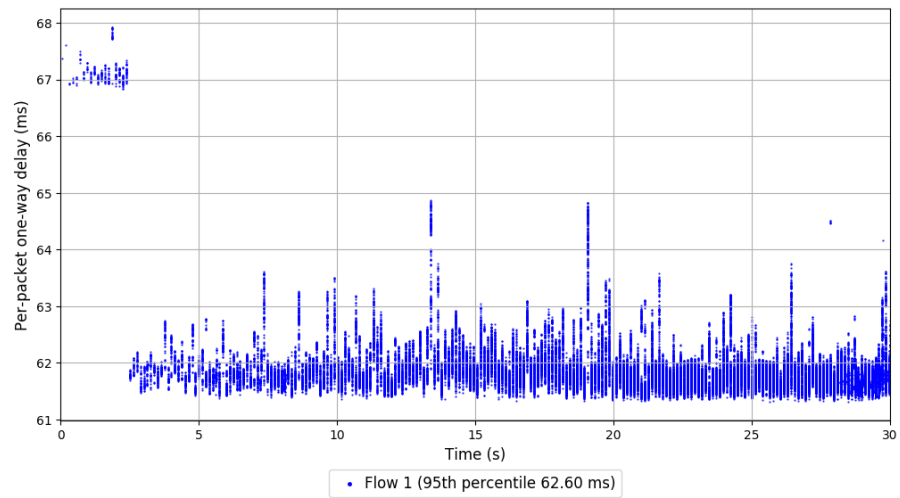
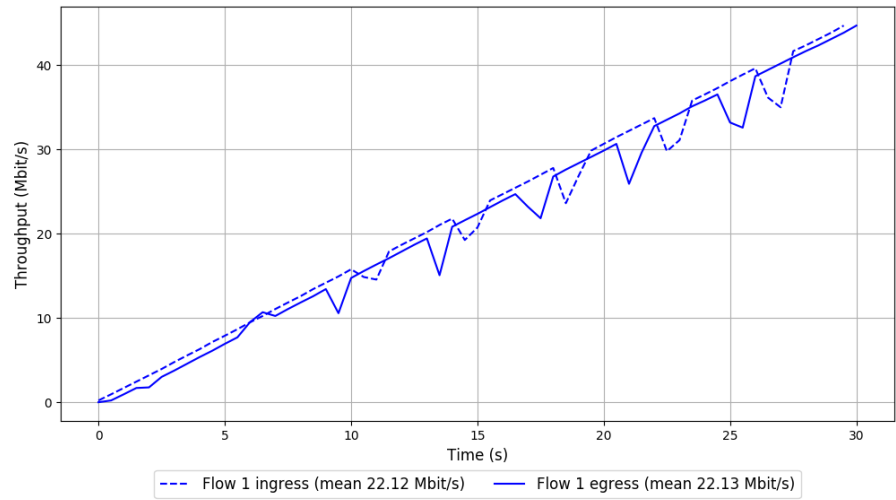
-- Flow 1:

Average throughput: 22.13 Mbit/s

95th percentile per-packet one-way delay: 62.601 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-05-22 21:15:05

End at: 2018-05-22 21:15:35

Local clock offset: -0.411 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-05-22 22:51:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.52 Mbit/s

95th percentile per-packet one-way delay: 67.549 ms

Loss rate: 0.00%

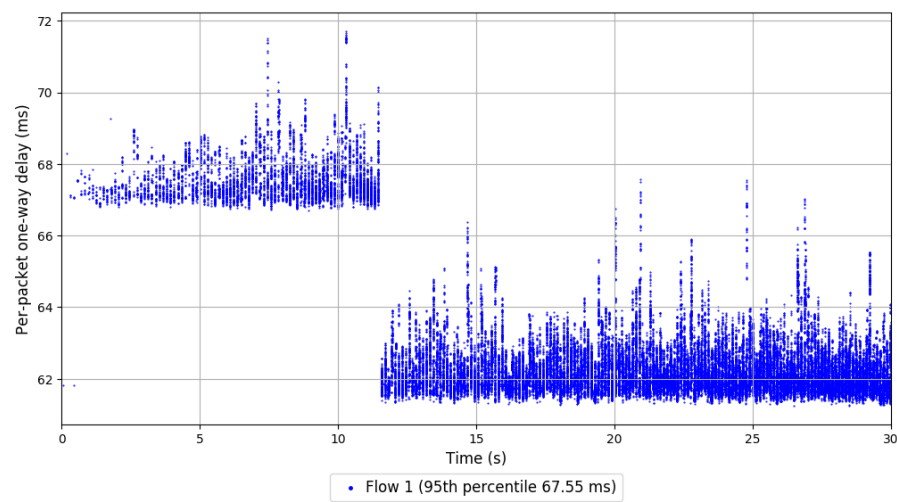
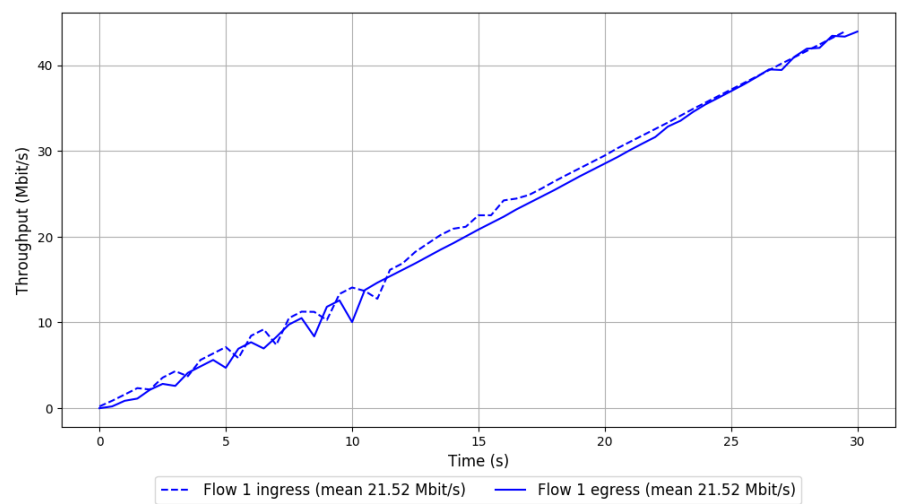
-- Flow 1:

Average throughput: 21.52 Mbit/s

95th percentile per-packet one-way delay: 67.549 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

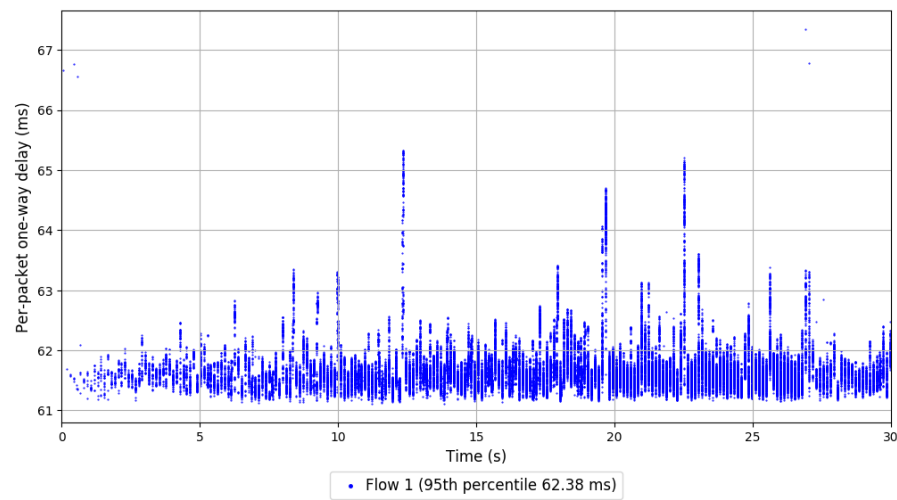
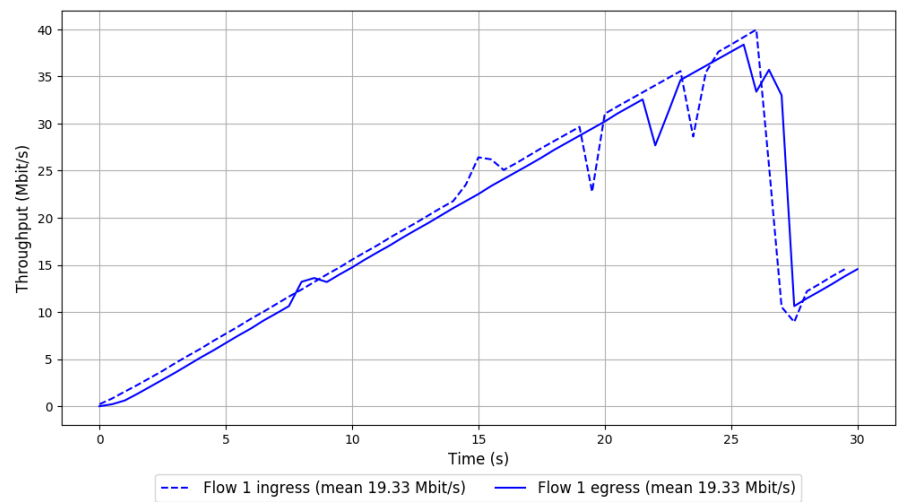


Run 9: Statistics of LEDBAT

Start at: 2018-05-22 21:34:57
End at: 2018-05-22 21:35:27
Local clock offset: -0.017 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-05-22 22:51:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.33 Mbit/s
95th percentile per-packet one-way delay: 62.383 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 19.33 Mbit/s
95th percentile per-packet one-way delay: 62.383 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

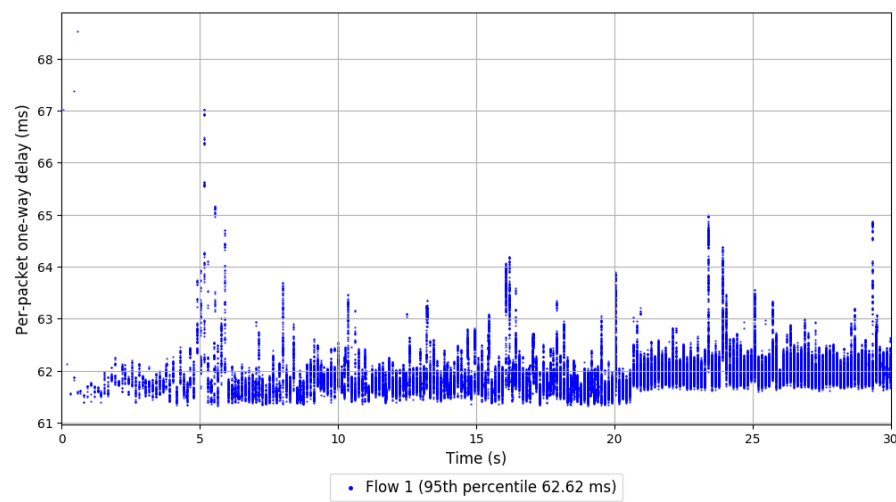
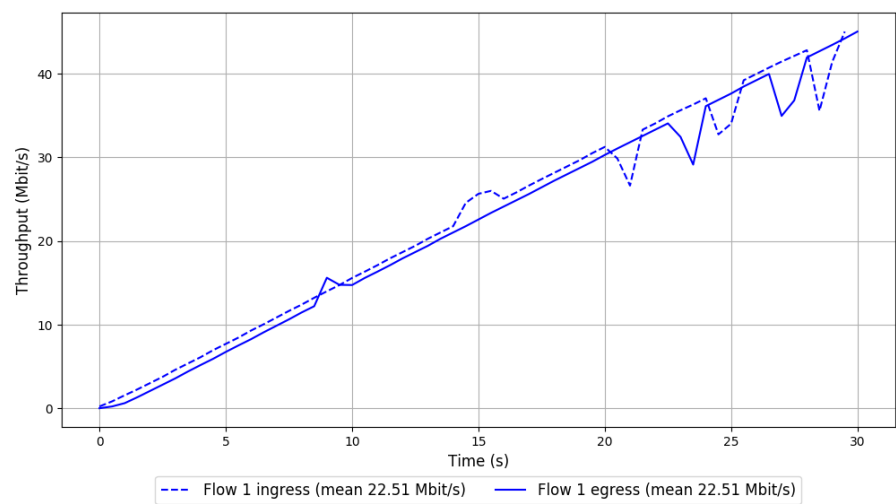


Run 10: Statistics of LEDBAT

Start at: 2018-05-22 21:54:46
End at: 2018-05-22 21:55:16
Local clock offset: 0.176 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-05-22 22:51:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.51 Mbit/s
95th percentile per-packet one-way delay: 62.623 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.51 Mbit/s
95th percentile per-packet one-way delay: 62.623 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-05-22 18:57:38

End at: 2018-05-22 18:58:08

Local clock offset: 0.092 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-05-22 22:51:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 334.62 Mbit/s

95th percentile per-packet one-way delay: 109.402 ms

Loss rate: 0.01%

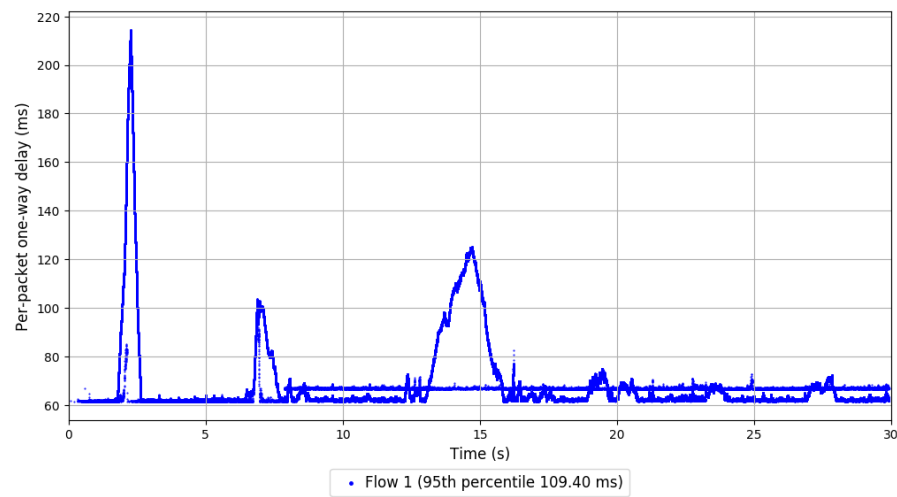
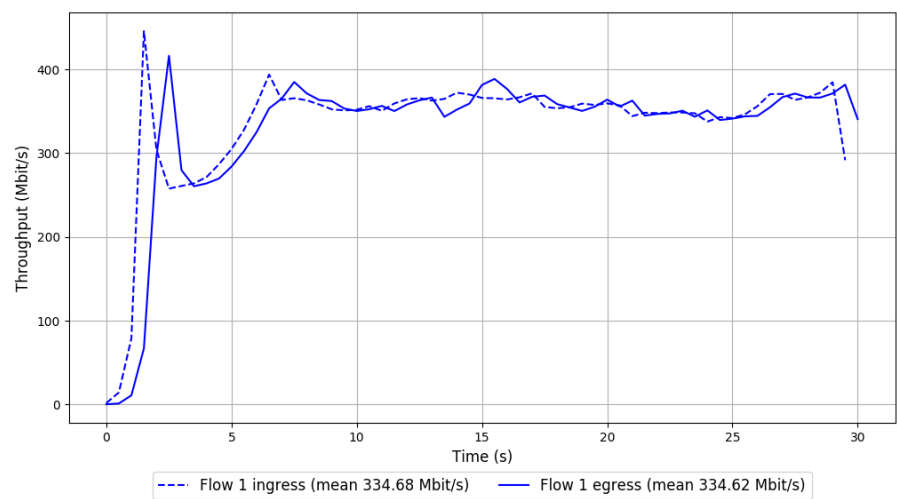
-- Flow 1:

Average throughput: 334.62 Mbit/s

95th percentile per-packet one-way delay: 109.402 ms

Loss rate: 0.01%

Run 1: Report of PCC-Allegro — Data Link

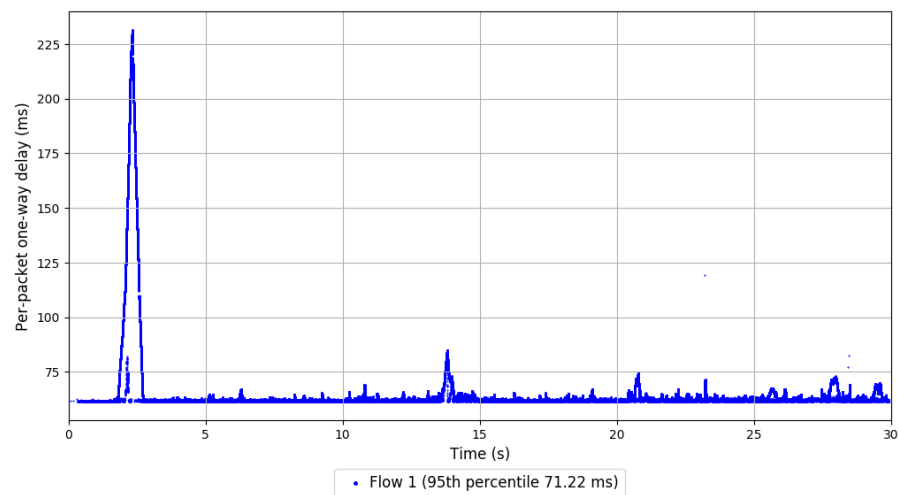
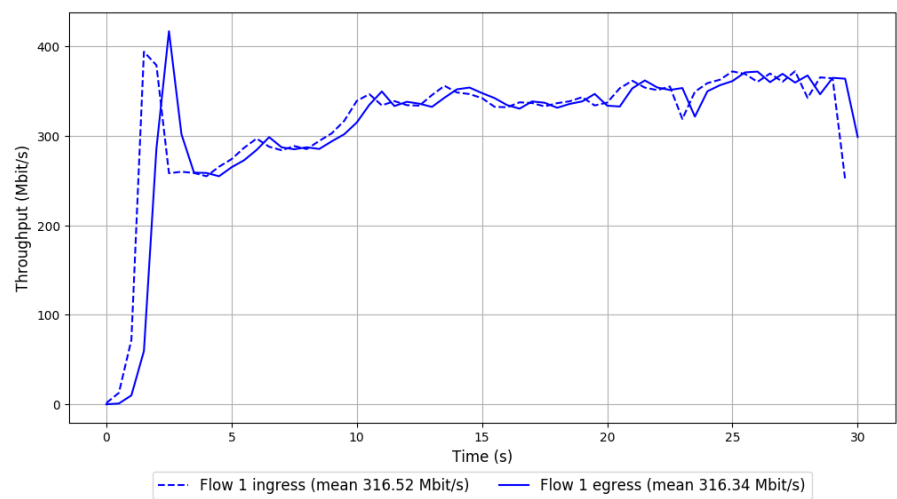


Run 2: Statistics of PCC-Allegro

Start at: 2018-05-22 19:18:01
End at: 2018-05-22 19:18:31
Local clock offset: -0.018 ms
Remote clock offset: -0.209 ms

Below is generated by plot.py at 2018-05-22 22:51:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 316.34 Mbit/s
95th percentile per-packet one-way delay: 71.225 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 316.34 Mbit/s
95th percentile per-packet one-way delay: 71.225 ms
Loss rate: 0.06%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-05-22 19:38:00

End at: 2018-05-22 19:38:30

Local clock offset: 0.114 ms

Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-05-22 22:51:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 334.11 Mbit/s

95th percentile per-packet one-way delay: 133.708 ms

Loss rate: 0.00%

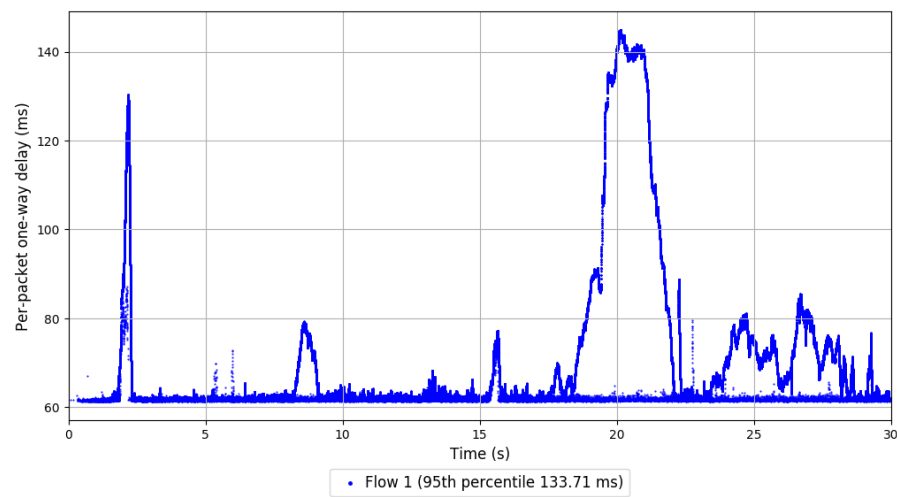
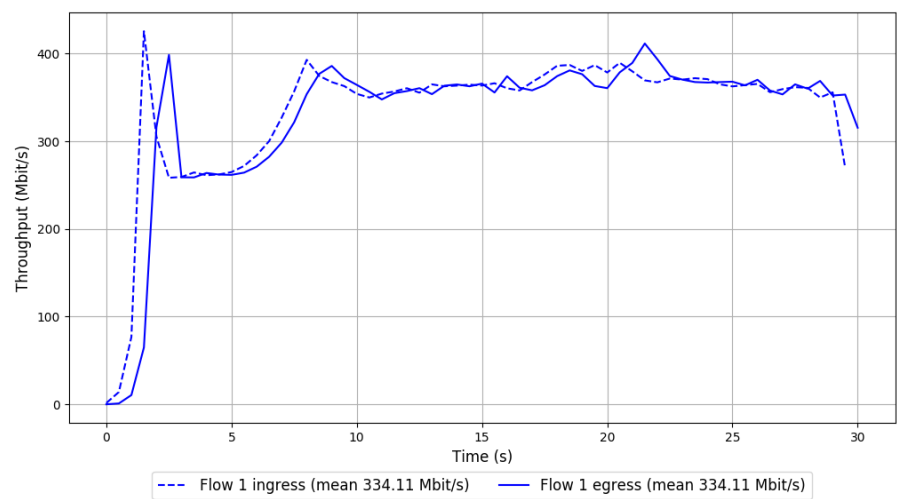
-- Flow 1:

Average throughput: 334.11 Mbit/s

95th percentile per-packet one-way delay: 133.708 ms

Loss rate: 0.00%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-05-22 19:58:09

End at: 2018-05-22 19:58:39

Local clock offset: -0.184 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-05-22 22:51:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 323.85 Mbit/s

95th percentile per-packet one-way delay: 85.988 ms

Loss rate: 0.00%

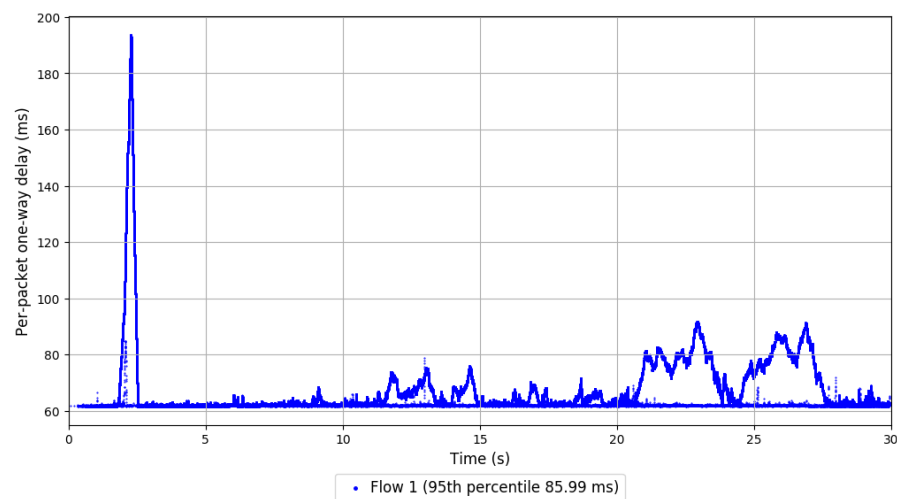
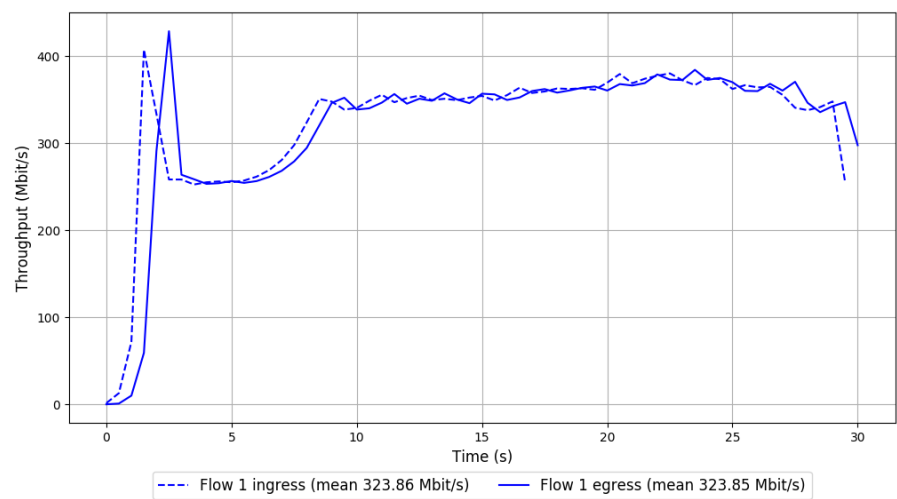
-- Flow 1:

Average throughput: 323.85 Mbit/s

95th percentile per-packet one-way delay: 85.988 ms

Loss rate: 0.00%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-05-22 20:18:19

End at: 2018-05-22 20:18:49

Local clock offset: -0.161 ms

Remote clock offset: 0.073 ms

Below is generated by plot.py at 2018-05-22 22:51:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 330.71 Mbit/s

95th percentile per-packet one-way delay: 78.533 ms

Loss rate: 0.06%

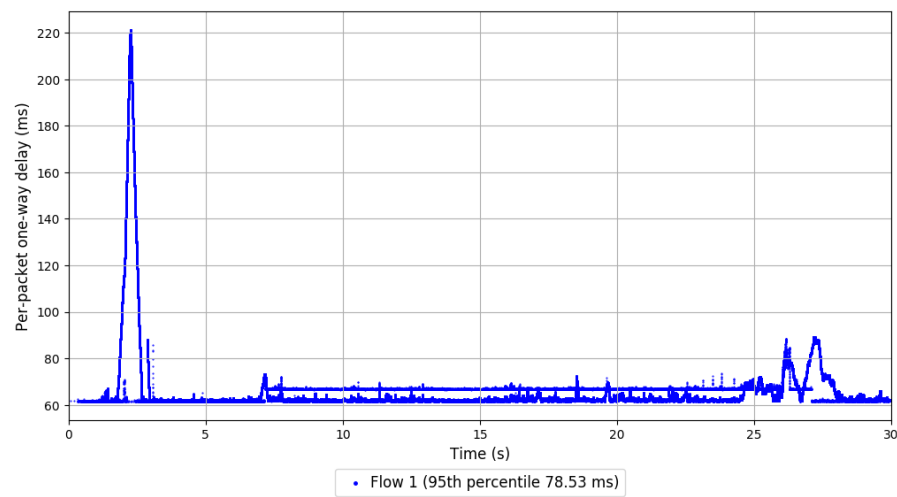
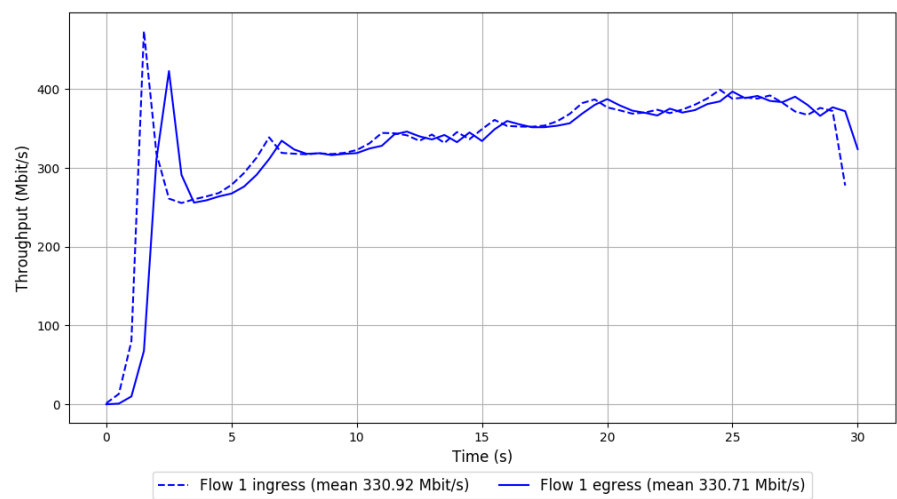
-- Flow 1:

Average throughput: 330.71 Mbit/s

95th percentile per-packet one-way delay: 78.533 ms

Loss rate: 0.06%

Run 5: Report of PCC-Allegro — Data Link

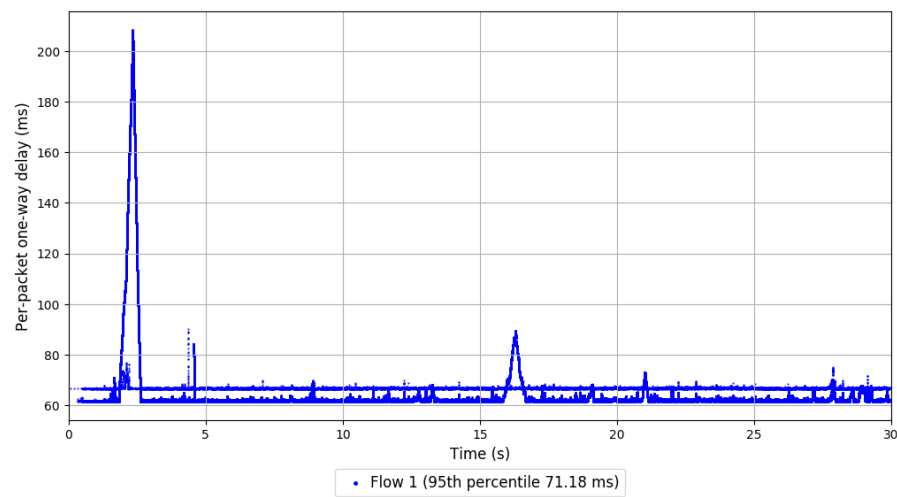
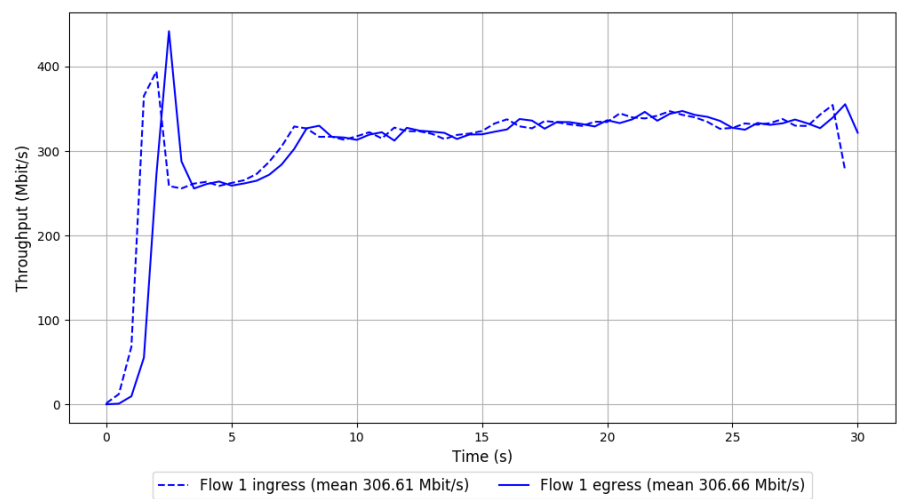


Run 6: Statistics of PCC-Allegro

Start at: 2018-05-22 20:38:17
End at: 2018-05-22 20:38:48
Local clock offset: -0.328 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-05-22 22:51:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 306.66 Mbit/s
95th percentile per-packet one-way delay: 71.182 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 306.66 Mbit/s
95th percentile per-packet one-way delay: 71.182 ms
Loss rate: 0.00%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-05-22 20:58:26

End at: 2018-05-22 20:58:56

Local clock offset: -0.292 ms

Remote clock offset: 0.223 ms

Below is generated by plot.py at 2018-05-22 22:57:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 312.85 Mbit/s

95th percentile per-packet one-way delay: 73.420 ms

Loss rate: 0.03%

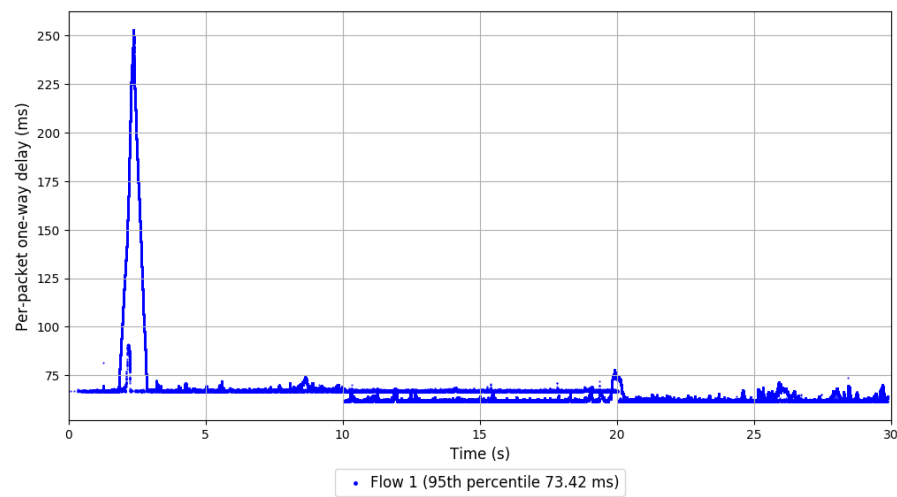
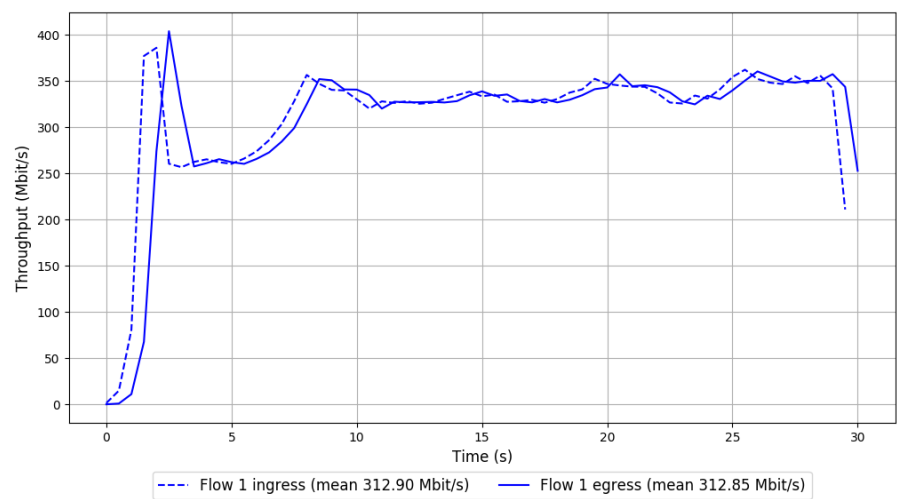
-- Flow 1:

Average throughput: 312.85 Mbit/s

95th percentile per-packet one-way delay: 73.420 ms

Loss rate: 0.03%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-05-22 21:18:28

End at: 2018-05-22 21:18:58

Local clock offset: -0.438 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-05-22 22:58:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 304.02 Mbit/s

95th percentile per-packet one-way delay: 75.564 ms

Loss rate: 0.01%

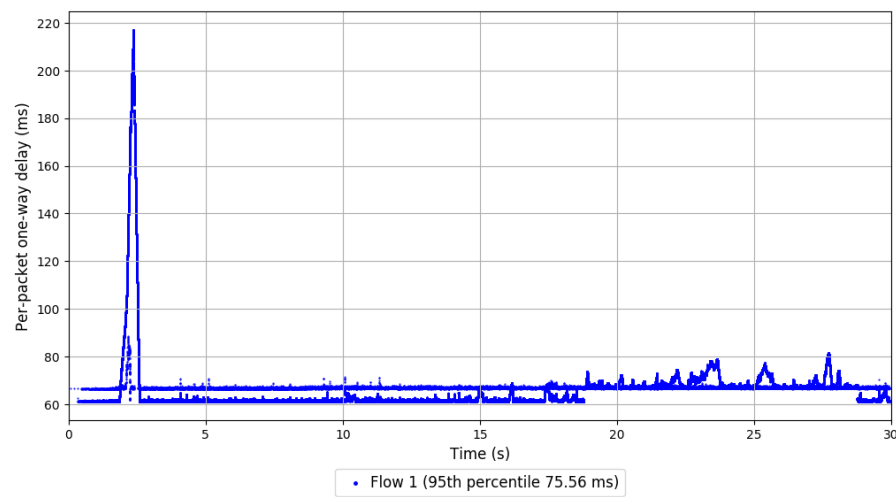
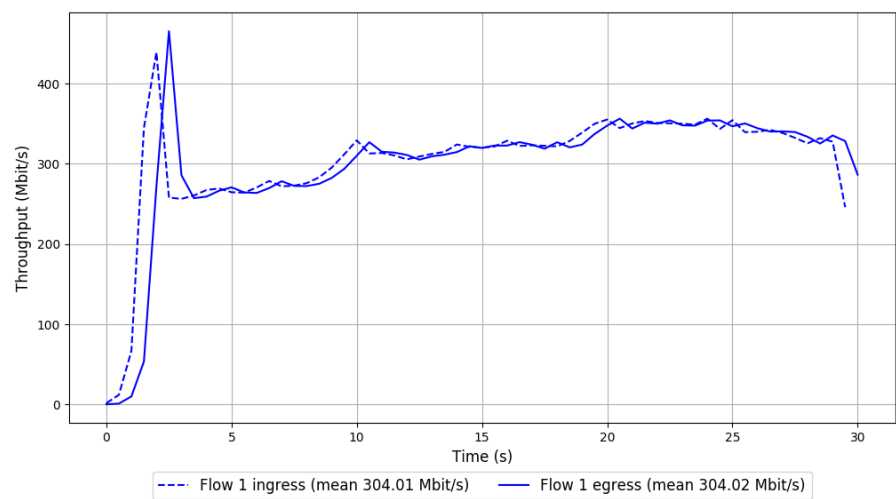
-- Flow 1:

Average throughput: 304.02 Mbit/s

95th percentile per-packet one-way delay: 75.564 ms

Loss rate: 0.01%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-05-22 21:38:20

End at: 2018-05-22 21:38:50

Local clock offset: 0.053 ms

Remote clock offset: 0.079 ms

Below is generated by plot.py at 2018-05-22 22:58:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 311.22 Mbit/s

95th percentile per-packet one-way delay: 81.522 ms

Loss rate: 0.09%

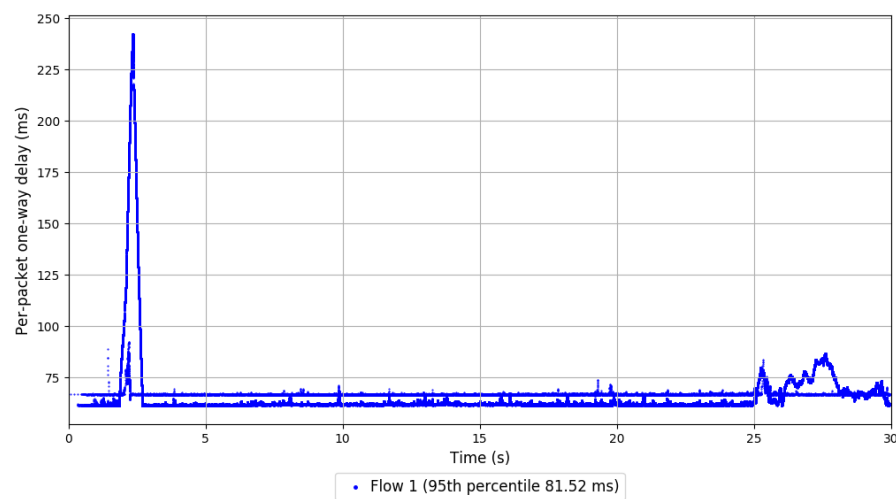
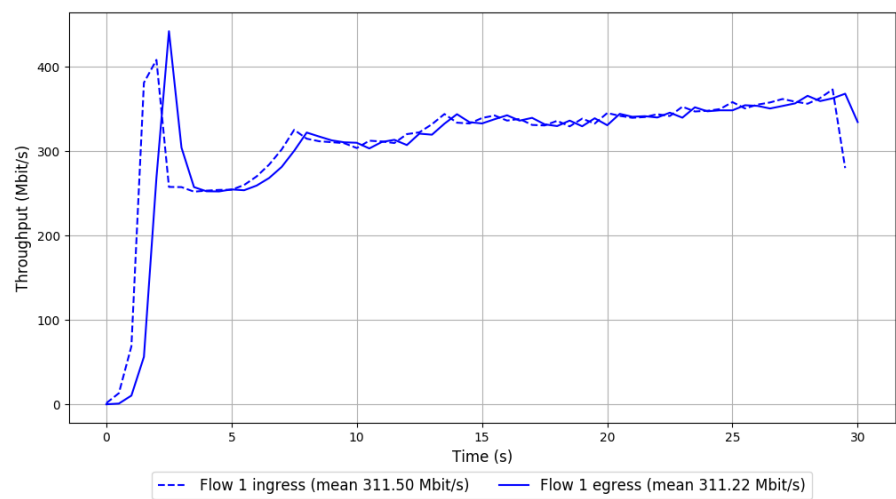
-- Flow 1:

Average throughput: 311.22 Mbit/s

95th percentile per-packet one-way delay: 81.522 ms

Loss rate: 0.09%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-05-22 21:58:09

End at: 2018-05-22 21:58:39

Local clock offset: 0.277 ms

Remote clock offset: 0.146 ms

Below is generated by plot.py at 2018-05-22 22:58:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 318.90 Mbit/s

95th percentile per-packet one-way delay: 81.382 ms

Loss rate: 0.15%

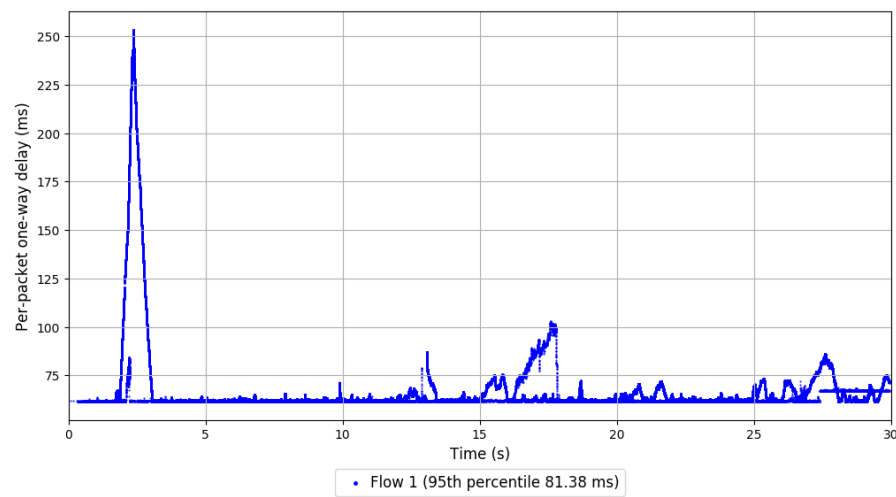
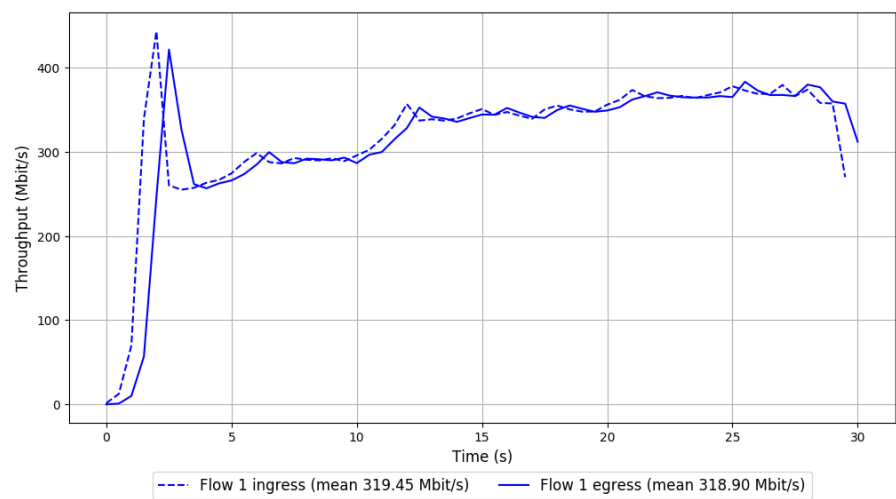
-- Flow 1:

Average throughput: 318.90 Mbit/s

95th percentile per-packet one-way delay: 81.382 ms

Loss rate: 0.15%

Run 10: Report of PCC-Allegro — Data Link

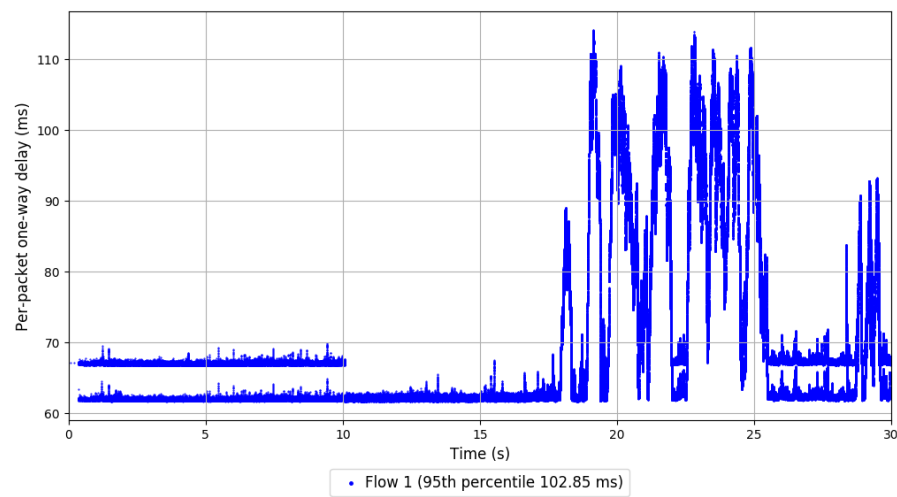
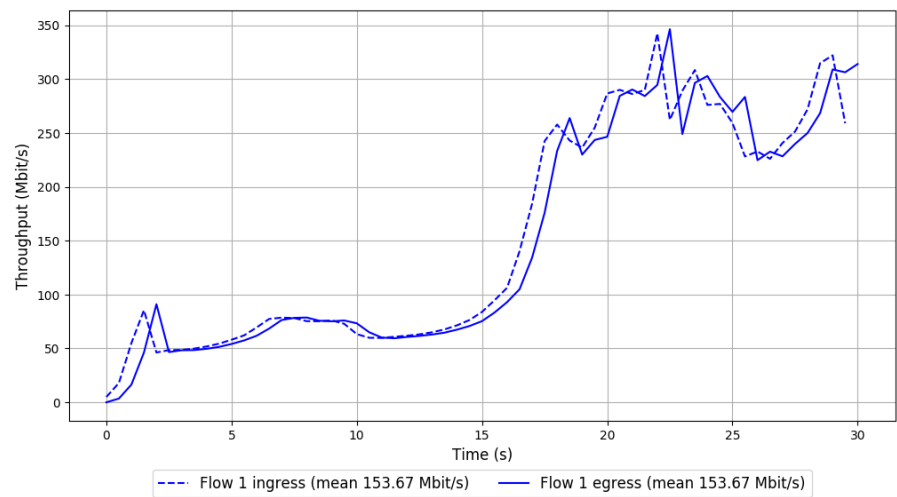


```
Run 1: Statistics of PCC-Expr

Start at: 2018-05-22 18:45:26
End at: 2018-05-22 18:45:56
Local clock offset: -0.074 ms
Remote clock offset: 0.277 ms

# Below is generated by plot.py at 2018-05-22 22:58:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 153.67 Mbit/s
95th percentile per-packet one-way delay: 102.852 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 153.67 Mbit/s
95th percentile per-packet one-way delay: 102.852 ms
Loss rate: 0.02%
```

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-05-22 19:05:31

End at: 2018-05-22 19:06:01

Local clock offset: -0.016 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-05-22 23:00:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 207.99 Mbit/s

95th percentile per-packet one-way delay: 64.034 ms

Loss rate: 0.00%

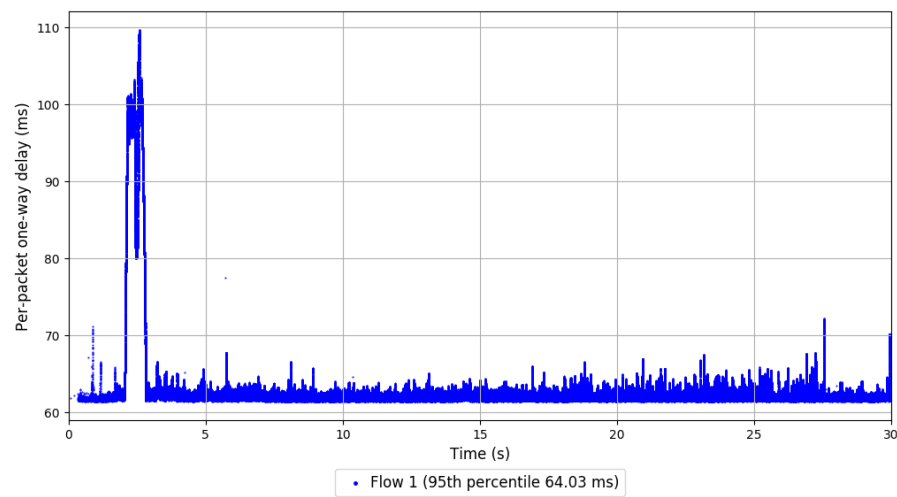
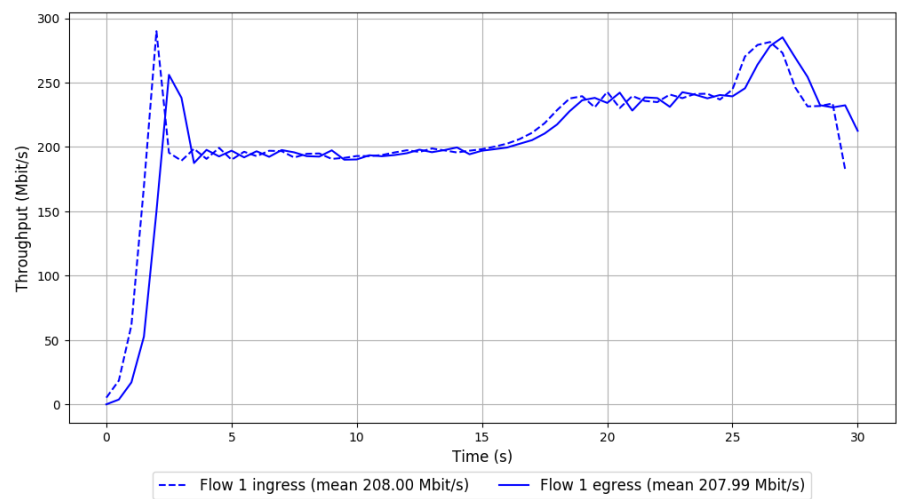
-- Flow 1:

Average throughput: 207.99 Mbit/s

95th percentile per-packet one-way delay: 64.034 ms

Loss rate: 0.00%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-05-22 19:25:38

End at: 2018-05-22 19:26:08

Local clock offset: 0.11 ms

Remote clock offset: 0.153 ms

Below is generated by plot.py at 2018-05-22 23:02:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 249.26 Mbit/s

95th percentile per-packet one-way delay: 228.850 ms

Loss rate: 1.73%

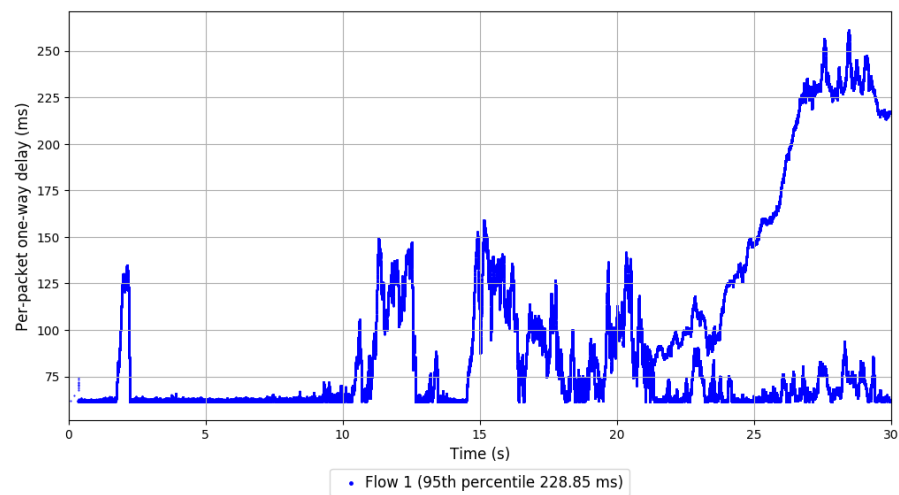
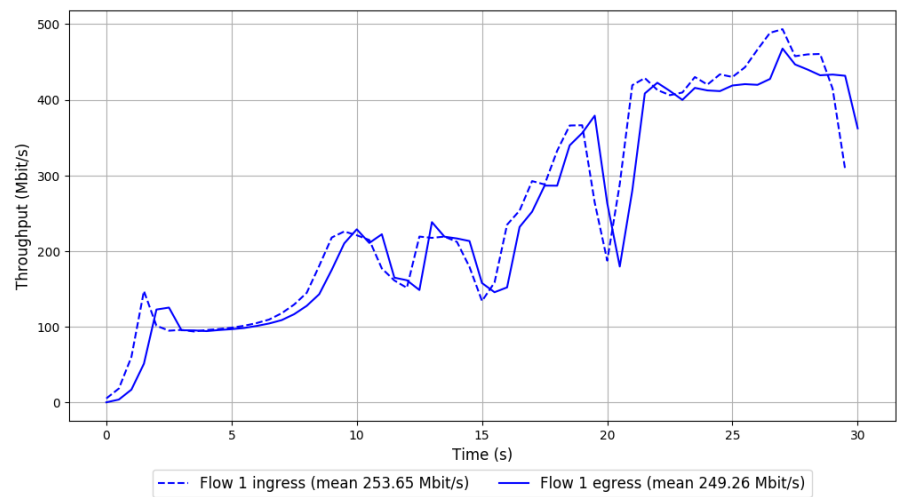
-- Flow 1:

Average throughput: 249.26 Mbit/s

95th percentile per-packet one-way delay: 228.850 ms

Loss rate: 1.73%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-05-22 19:45:56

End at: 2018-05-22 19:46:26

Local clock offset: -0.062 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-05-22 23:02:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.19 Mbit/s

95th percentile per-packet one-way delay: 66.935 ms

Loss rate: 0.00%

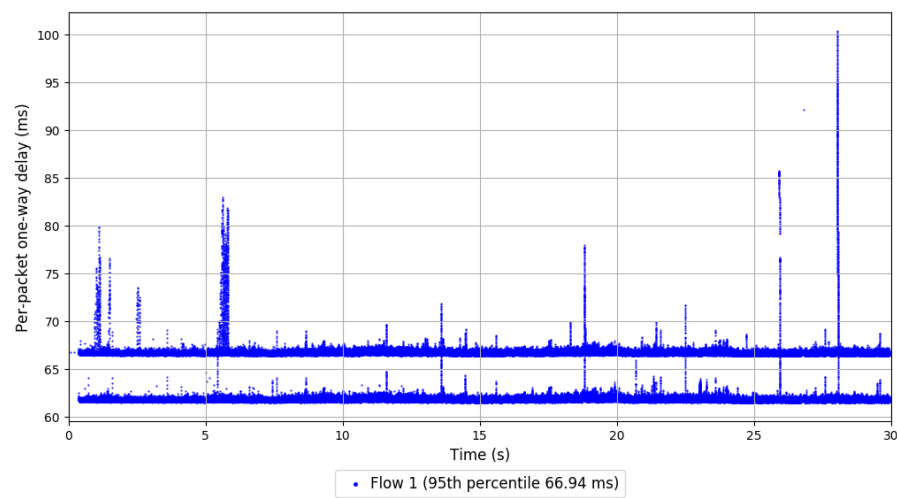
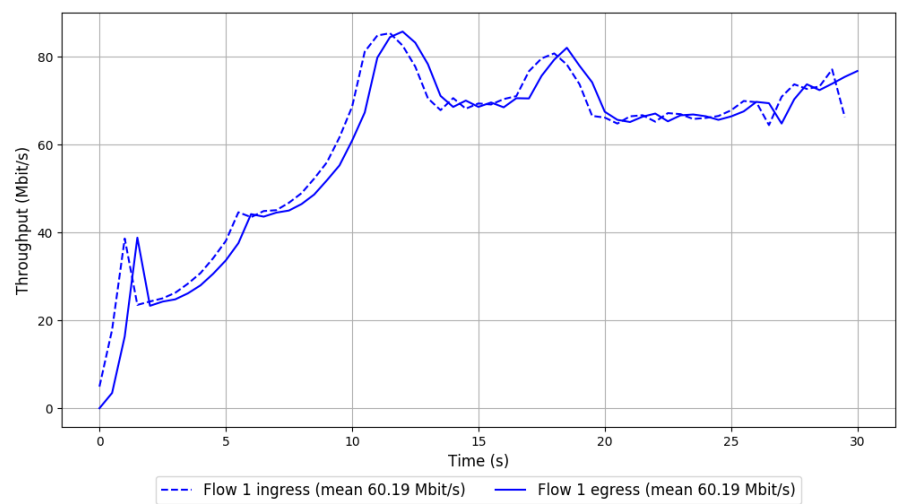
-- Flow 1:

Average throughput: 60.19 Mbit/s

95th percentile per-packet one-way delay: 66.935 ms

Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-05-22 20:06:08

End at: 2018-05-22 20:06:38

Local clock offset: -0.259 ms

Remote clock offset: 0.116 ms

Below is generated by plot.py at 2018-05-22 23:02:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 138.94 Mbit/s

95th percentile per-packet one-way delay: 97.991 ms

Loss rate: 0.00%

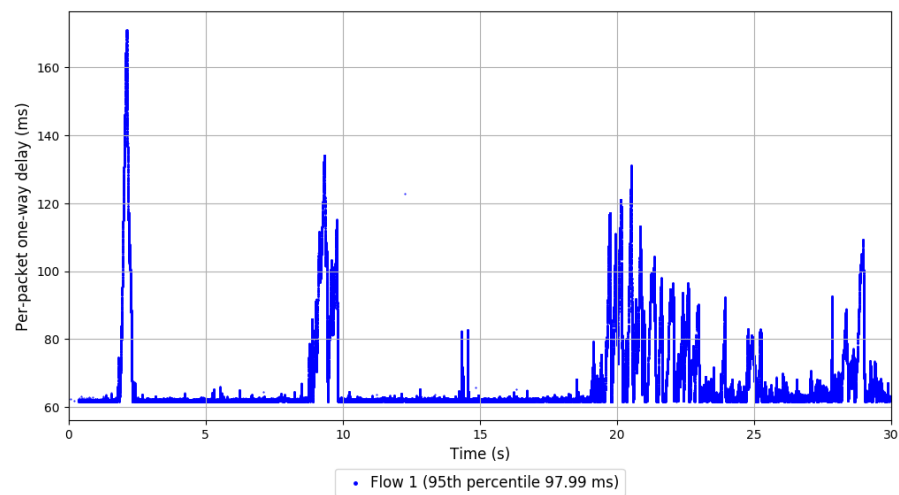
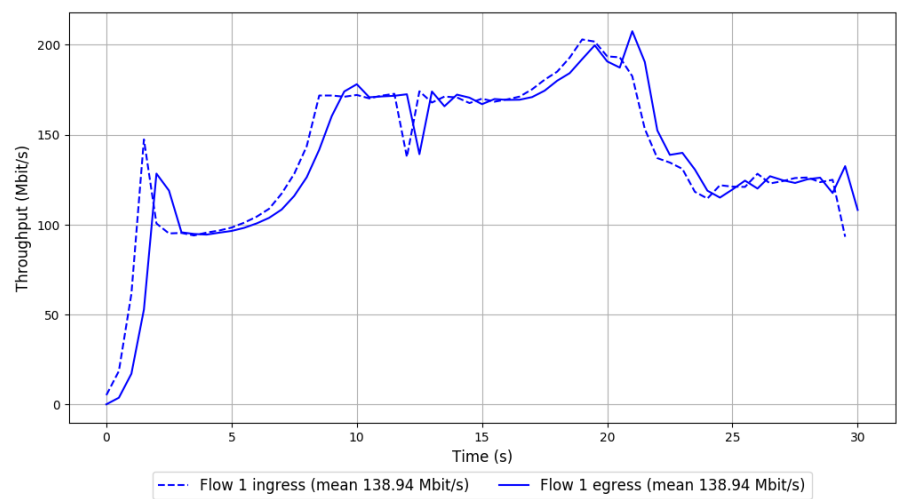
-- Flow 1:

Average throughput: 138.94 Mbit/s

95th percentile per-packet one-way delay: 97.991 ms

Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-05-22 20:26:06

End at: 2018-05-22 20:26:36

Local clock offset: -0.286 ms

Remote clock offset: 0.216 ms

Below is generated by plot.py at 2018-05-22 23:02:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.67 Mbit/s

95th percentile per-packet one-way delay: 67.621 ms

Loss rate: 0.00%

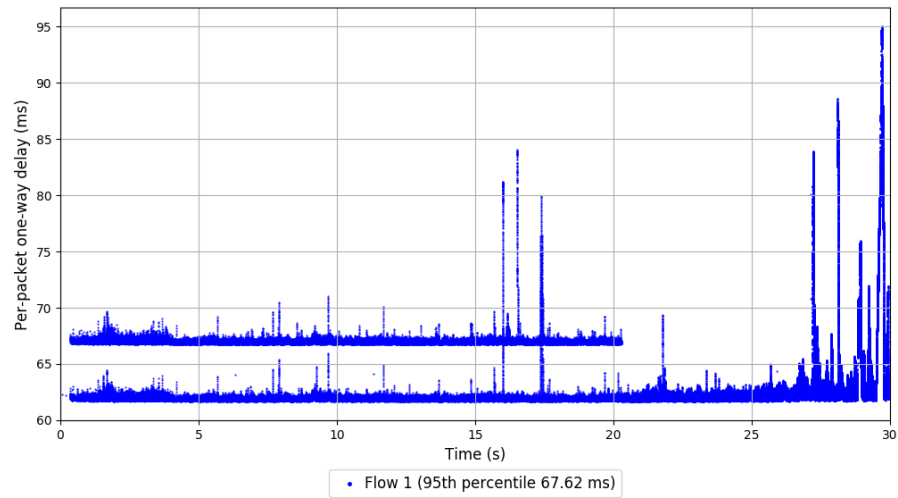
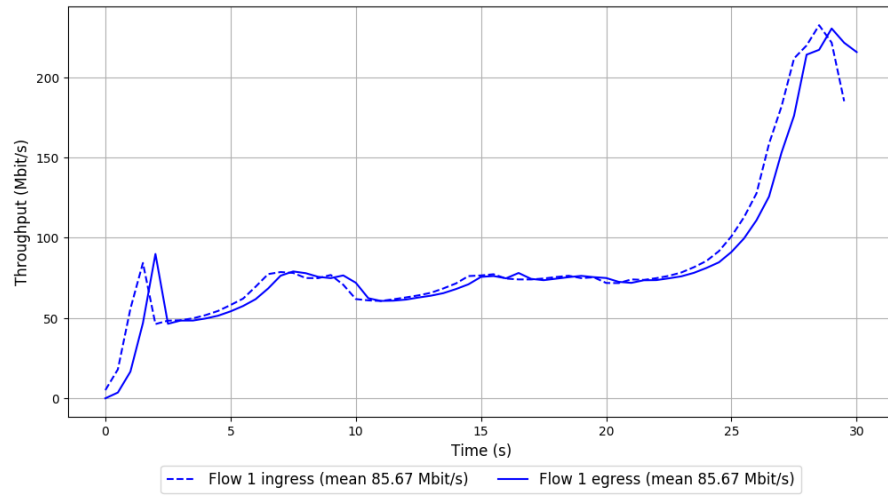
-- Flow 1:

Average throughput: 85.67 Mbit/s

95th percentile per-packet one-way delay: 67.621 ms

Loss rate: 0.00%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-05-22 20:46:12

End at: 2018-05-22 20:46:42

Local clock offset: -0.403 ms

Remote clock offset: 0.125 ms

Below is generated by plot.py at 2018-05-22 23:07:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.25 Mbit/s

95th percentile per-packet one-way delay: 67.204 ms

Loss rate: 0.00%

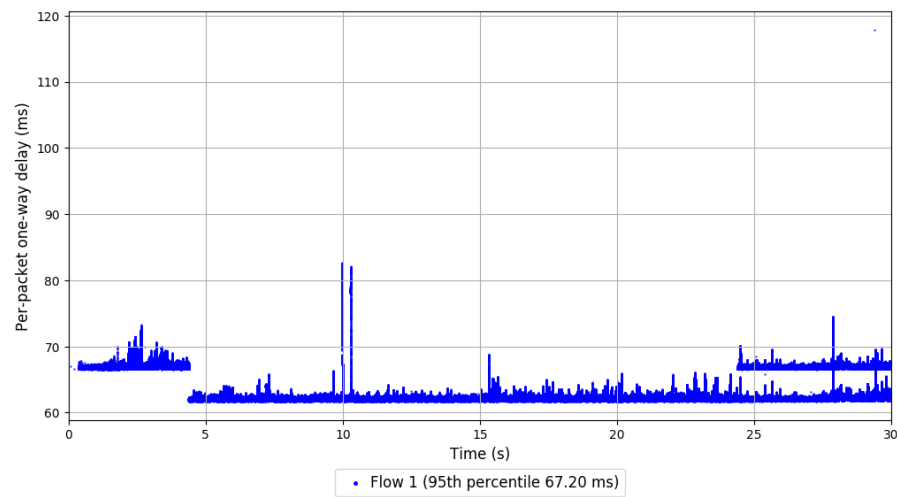
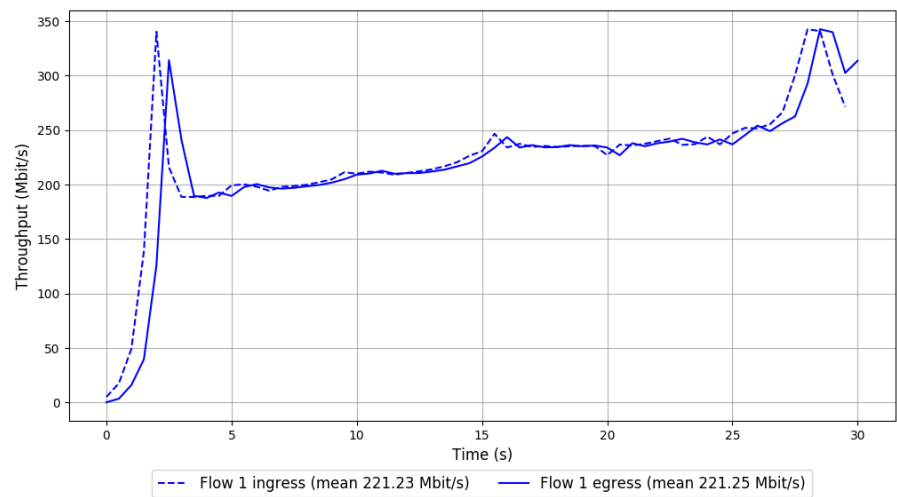
-- Flow 1:

Average throughput: 221.25 Mbit/s

95th percentile per-packet one-way delay: 67.204 ms

Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-05-22 21:06:13

End at: 2018-05-22 21:06:43

Local clock offset: -0.407 ms

Remote clock offset: 0.159 ms

Below is generated by plot.py at 2018-05-22 23:07:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 126.17 Mbit/s

95th percentile per-packet one-way delay: 98.008 ms

Loss rate: 0.25%

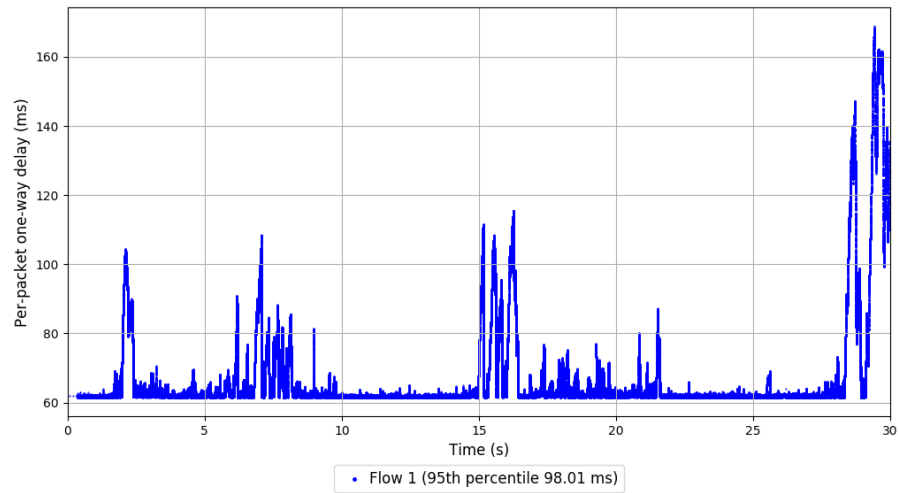
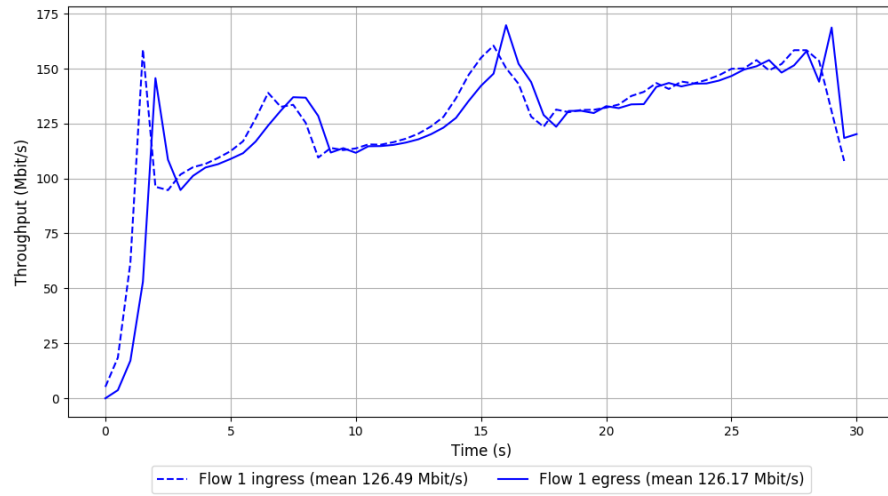
-- Flow 1:

Average throughput: 126.17 Mbit/s

95th percentile per-packet one-way delay: 98.008 ms

Loss rate: 0.25%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-05-22 21:26:09

End at: 2018-05-22 21:26:39

Local clock offset: -0.326 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-05-22 23:08:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 237.57 Mbit/s

95th percentile per-packet one-way delay: 64.494 ms

Loss rate: 0.05%

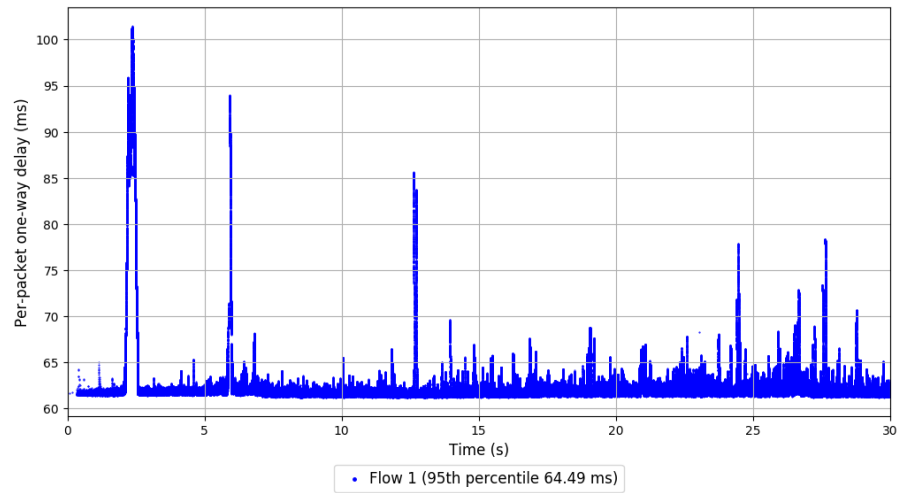
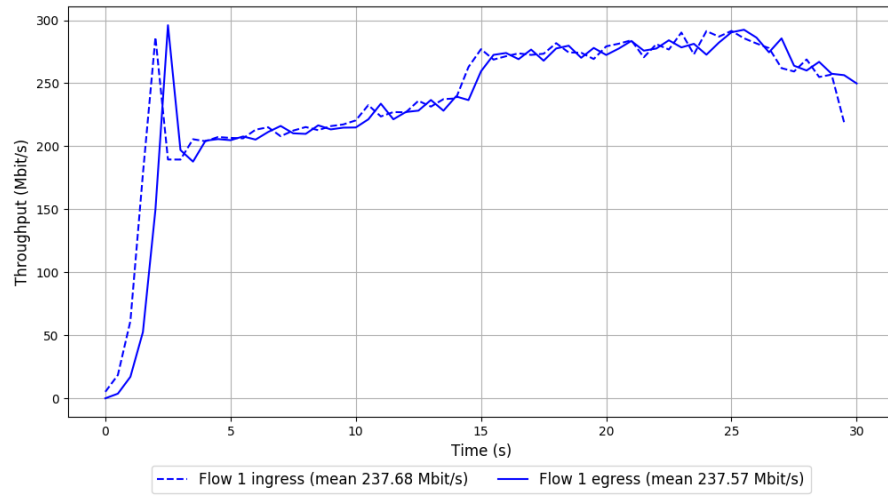
-- Flow 1:

Average throughput: 237.57 Mbit/s

95th percentile per-packet one-way delay: 64.494 ms

Loss rate: 0.05%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-05-22 21:45:58

End at: 2018-05-22 21:46:28

Local clock offset: 0.115 ms

Remote clock offset: 0.183 ms

Below is generated by plot.py at 2018-05-22 23:08:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.20 Mbit/s

95th percentile per-packet one-way delay: 67.198 ms

Loss rate: 0.00%

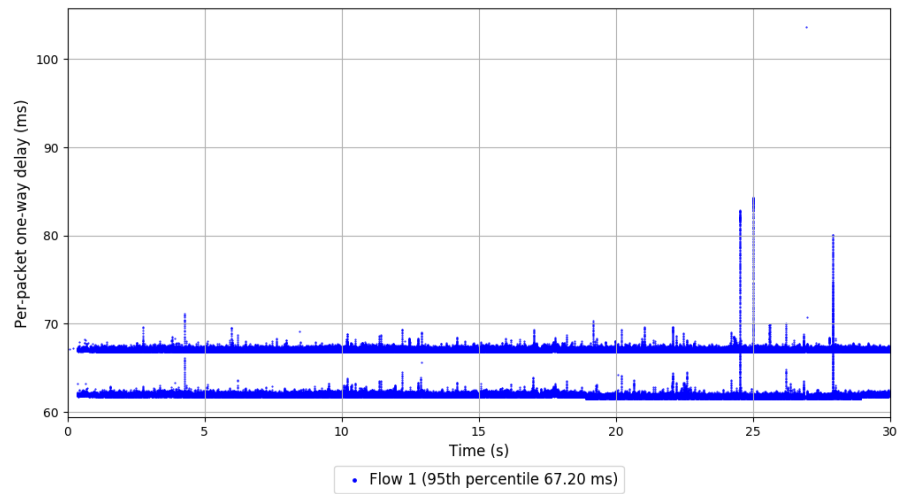
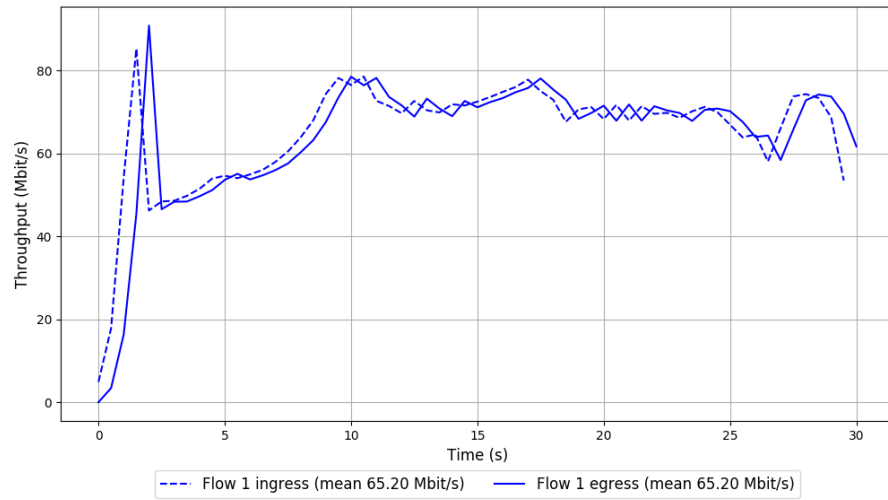
-- Flow 1:

Average throughput: 65.20 Mbit/s

95th percentile per-packet one-way delay: 67.198 ms

Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-05-22 18:56:29

End at: 2018-05-22 18:56:59

Local clock offset: -0.054 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-05-22 23:08:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.68 Mbit/s

95th percentile per-packet one-way delay: 66.919 ms

Loss rate: 0.00%

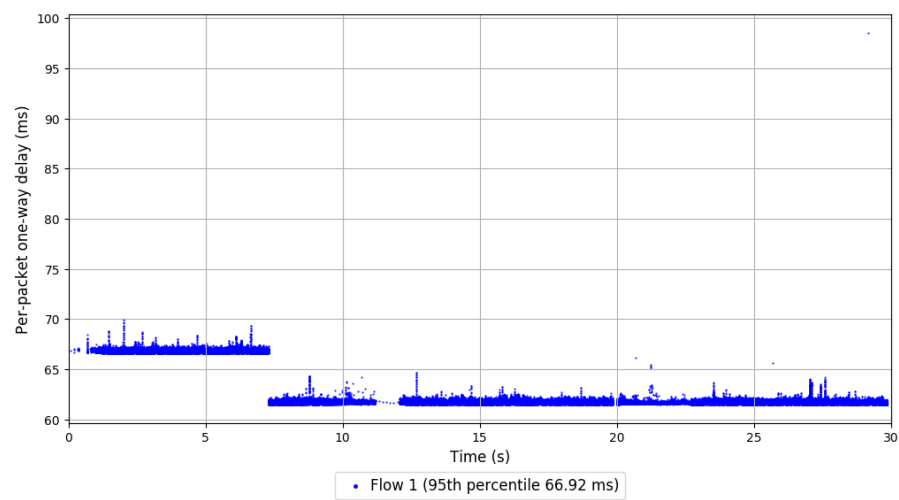
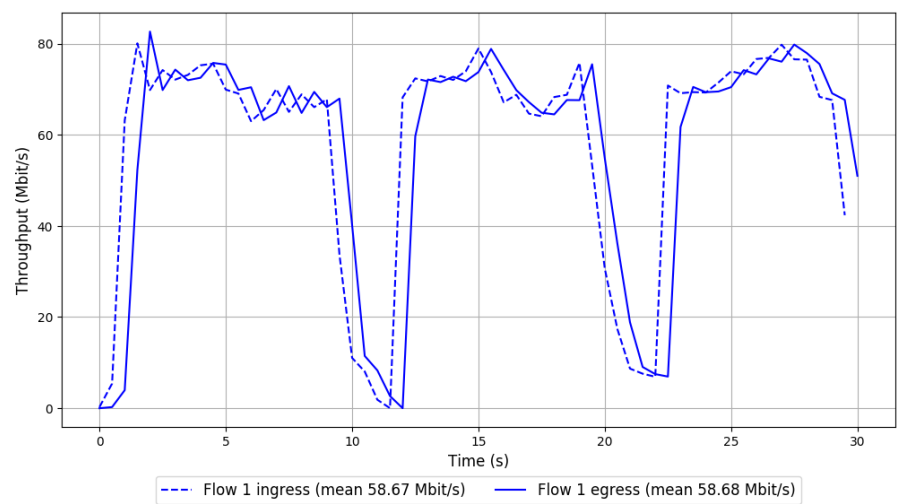
-- Flow 1:

Average throughput: 58.68 Mbit/s

95th percentile per-packet one-way delay: 66.919 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-05-22 19:16:52

End at: 2018-05-22 19:17:22

Local clock offset: 0.035 ms

Remote clock offset: 0.315 ms

Below is generated by plot.py at 2018-05-22 23:08:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.58 Mbit/s

95th percentile per-packet one-way delay: 62.299 ms

Loss rate: 0.00%

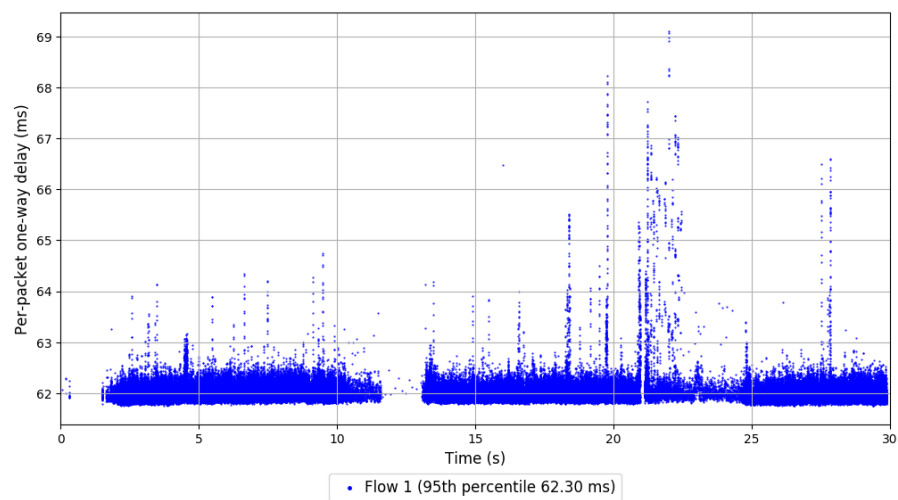
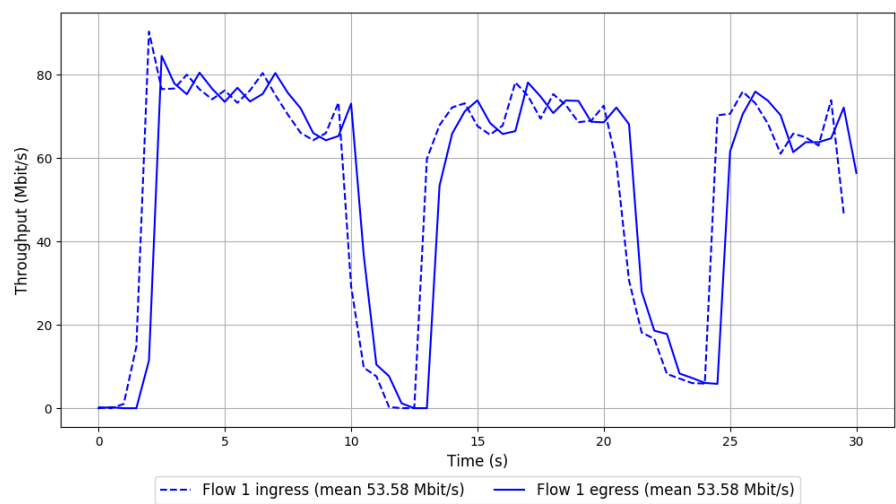
-- Flow 1:

Average throughput: 53.58 Mbit/s

95th percentile per-packet one-way delay: 62.299 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

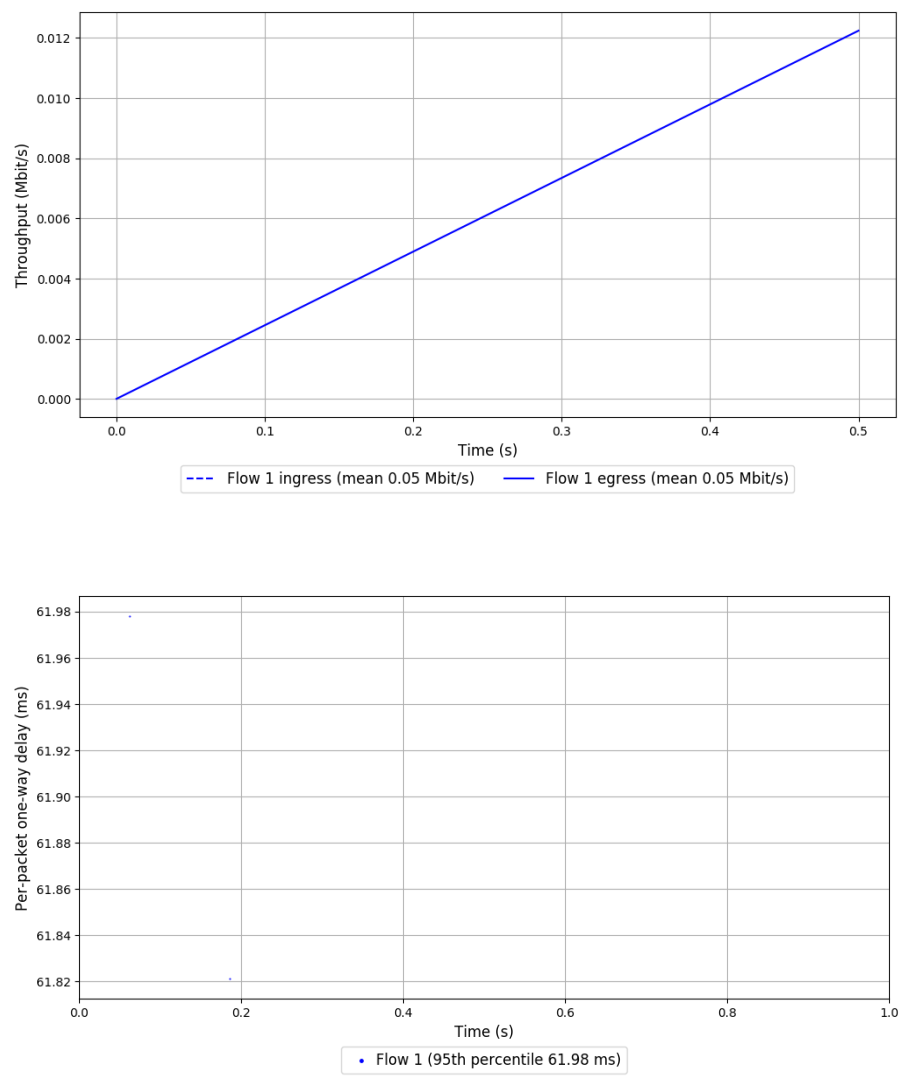
Start at: 2018-05-22 19:36:54

End at: 2018-05-22 19:37:24

Local clock offset: 0.012 ms

Remote clock offset: 0.161 ms

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-05-22 19:57:00

End at: 2018-05-22 19:57:30

Local clock offset: -0.209 ms

Remote clock offset: 0.11 ms

Below is generated by plot.py at 2018-05-22 23:08:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.43 Mbit/s

95th percentile per-packet one-way delay: 66.907 ms

Loss rate: 0.02%

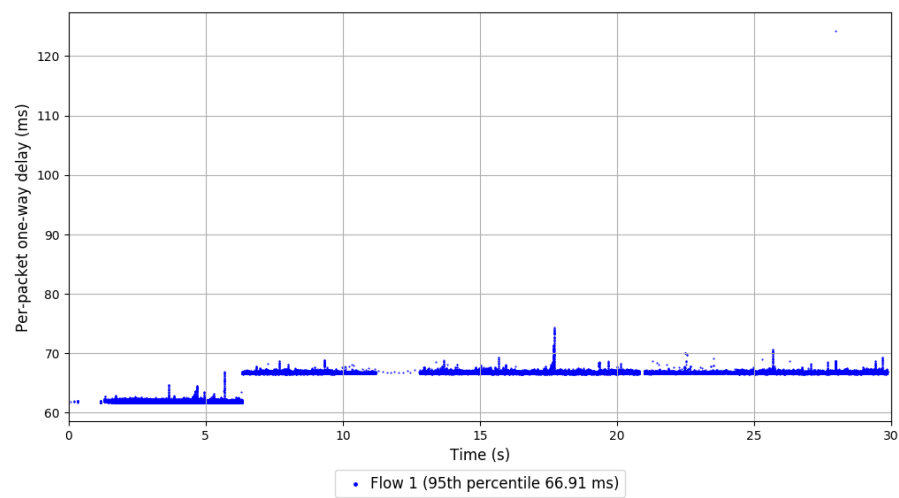
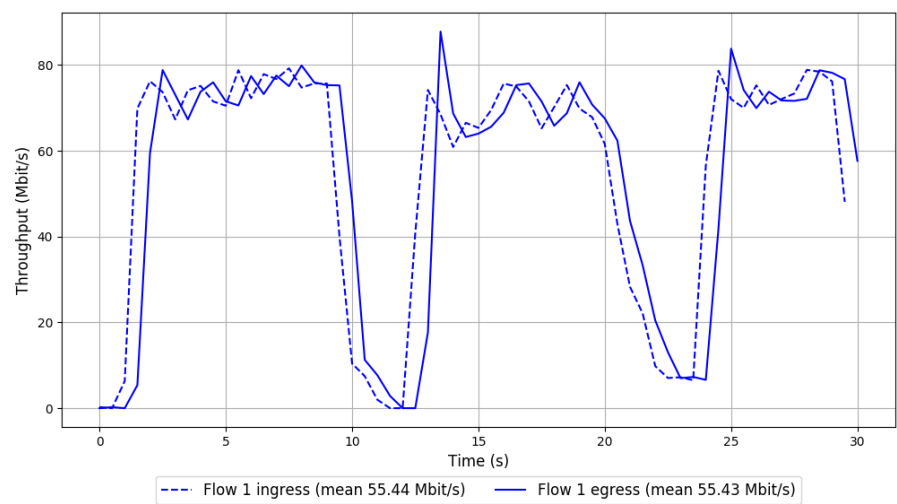
-- Flow 1:

Average throughput: 55.43 Mbit/s

95th percentile per-packet one-way delay: 66.907 ms

Loss rate: 0.02%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

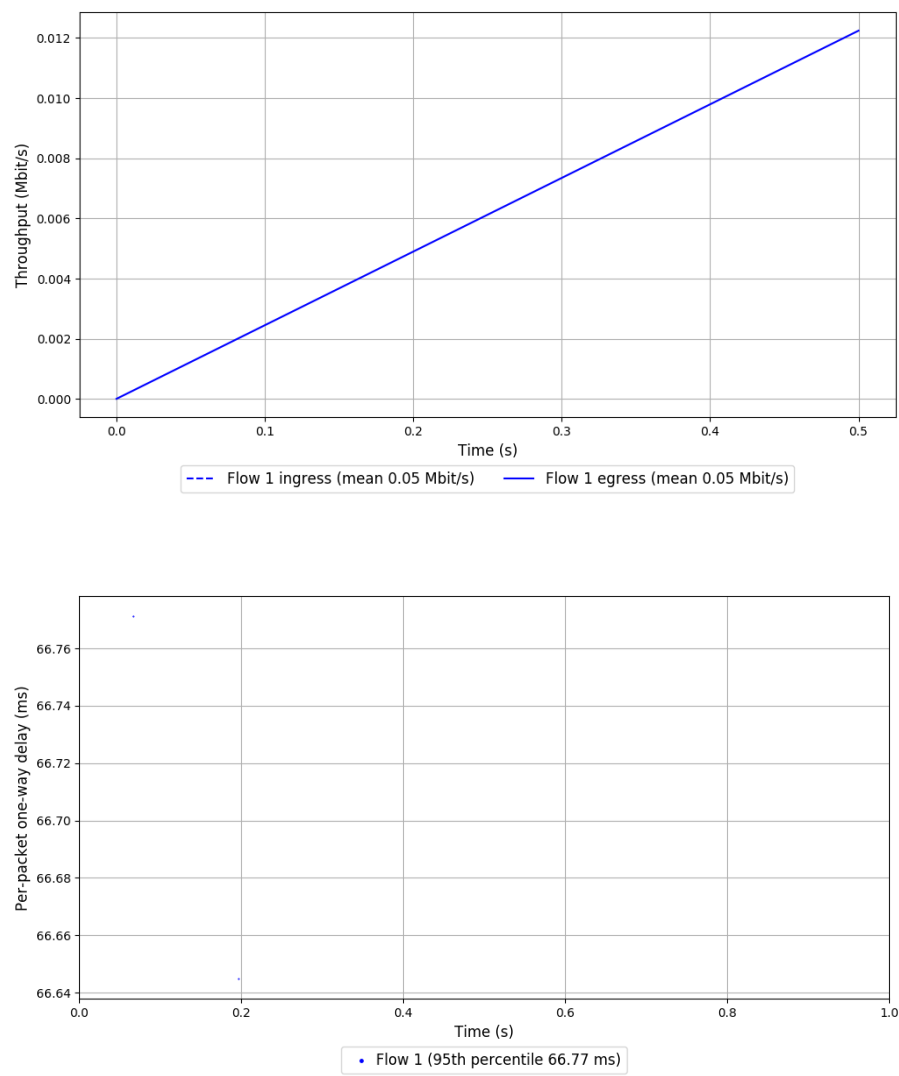
Start at: 2018-05-22 20:17:14

End at: 2018-05-22 20:17:44

Local clock offset: -0.245 ms

Remote clock offset: 0.002 ms

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

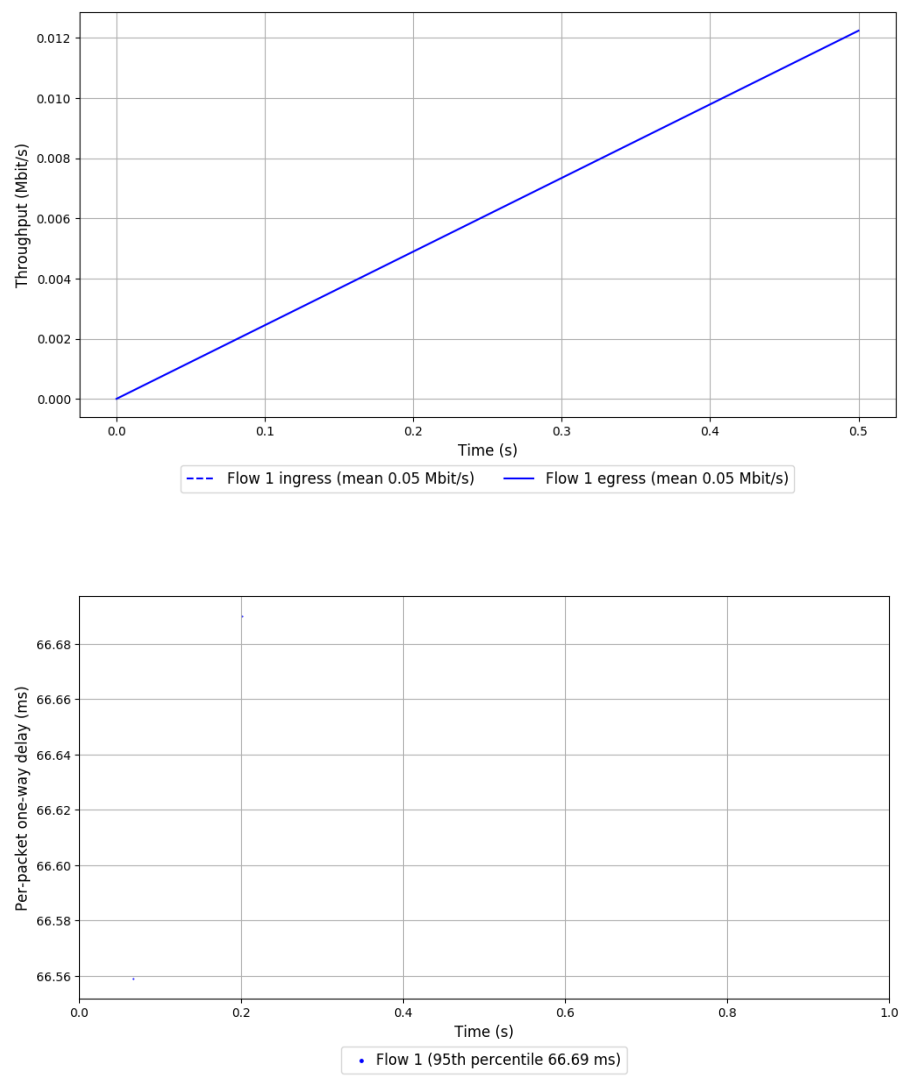
Start at: 2018-05-22 20:37:12

End at: 2018-05-22 20:37:42

Local clock offset: -0.337 ms

Remote clock offset: -0.128 ms

Run 6: Report of QUIC Cubic — Data Link

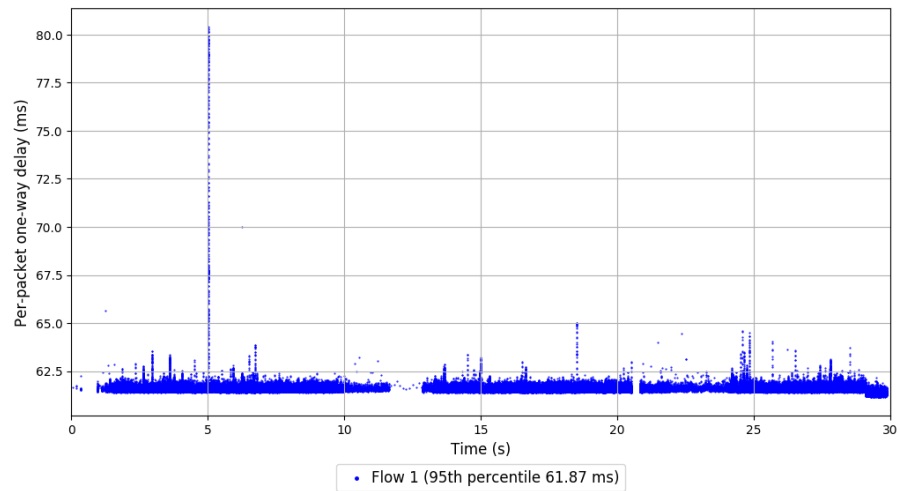
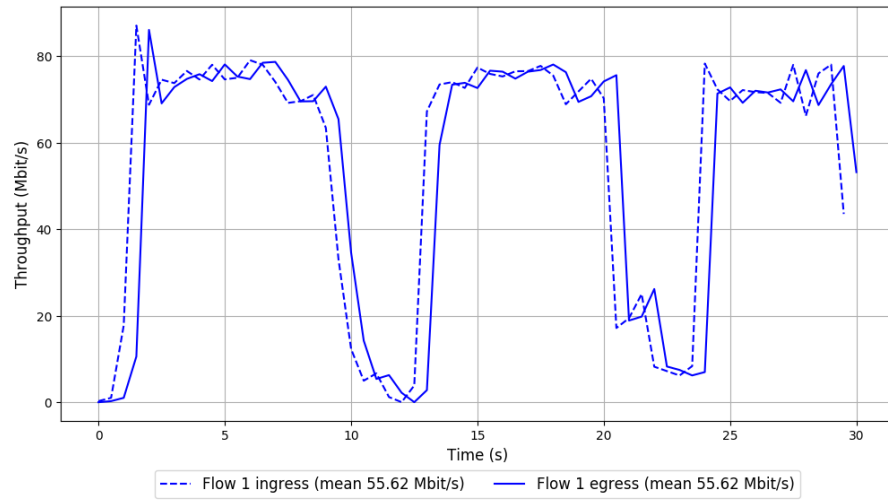


Run 7: Statistics of QUIC Cubic

Start at: 2018-05-22 20:57:17
End at: 2018-05-22 20:57:47
Local clock offset: -0.338 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-05-22 23:08:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.62 Mbit/s
95th percentile per-packet one-way delay: 61.866 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.62 Mbit/s
95th percentile per-packet one-way delay: 61.866 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-05-22 21:17:18

End at: 2018-05-22 21:17:48

Local clock offset: -0.45 ms

Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-05-22 23:08:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.73 Mbit/s

95th percentile per-packet one-way delay: 66.818 ms

Loss rate: 0.00%

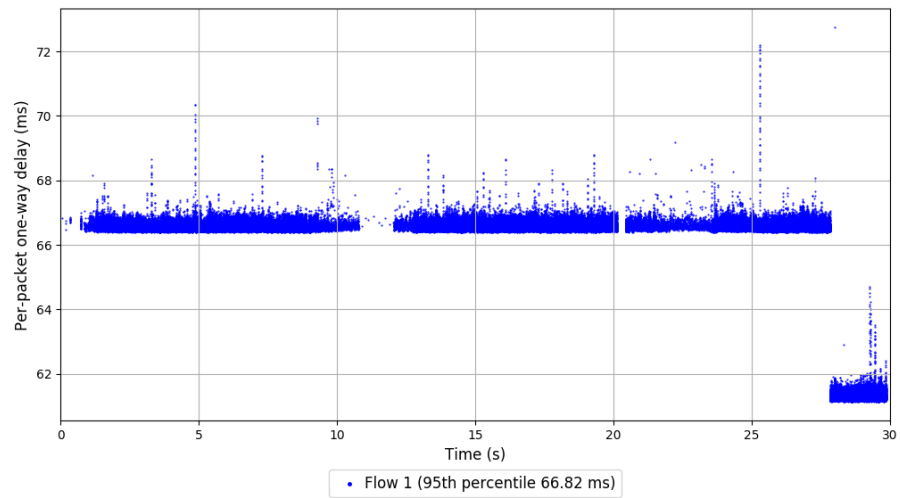
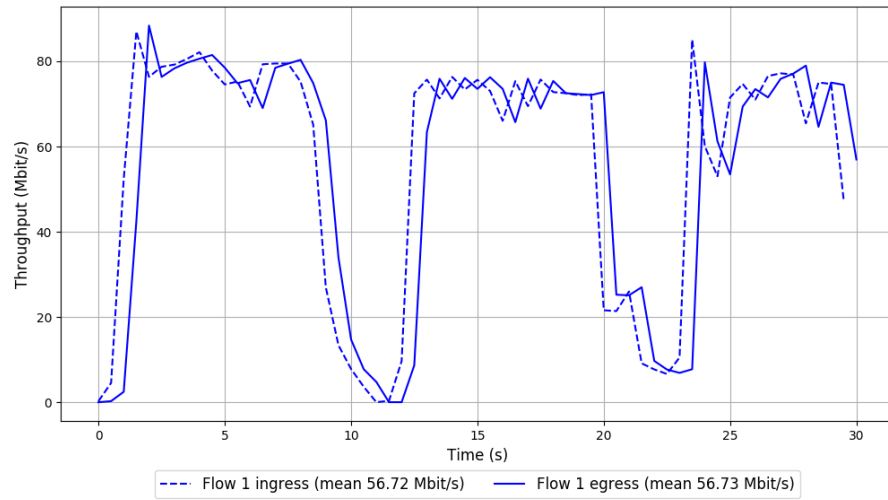
-- Flow 1:

Average throughput: 56.73 Mbit/s

95th percentile per-packet one-way delay: 66.818 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-05-22 21:37:10

End at: 2018-05-22 21:37:40

Local clock offset: 0.03 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2018-05-22 23:08:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.28 Mbit/s

95th percentile per-packet one-way delay: 66.867 ms

Loss rate: 0.00%

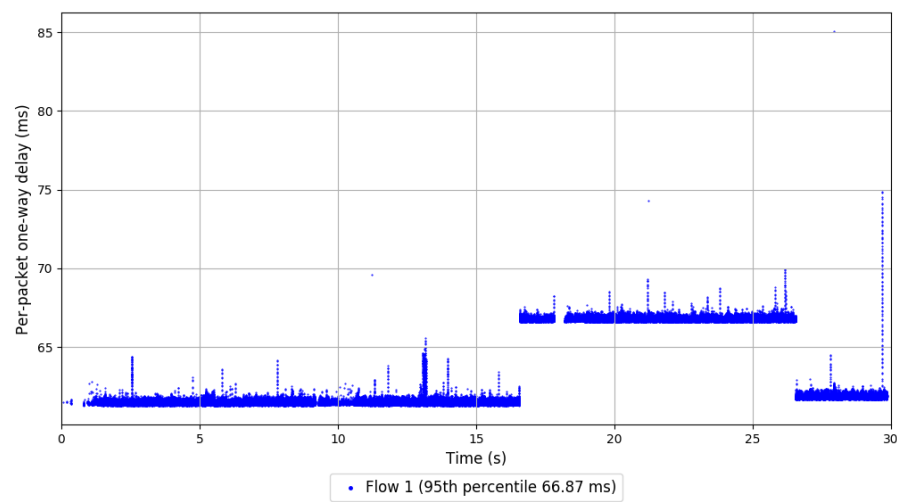
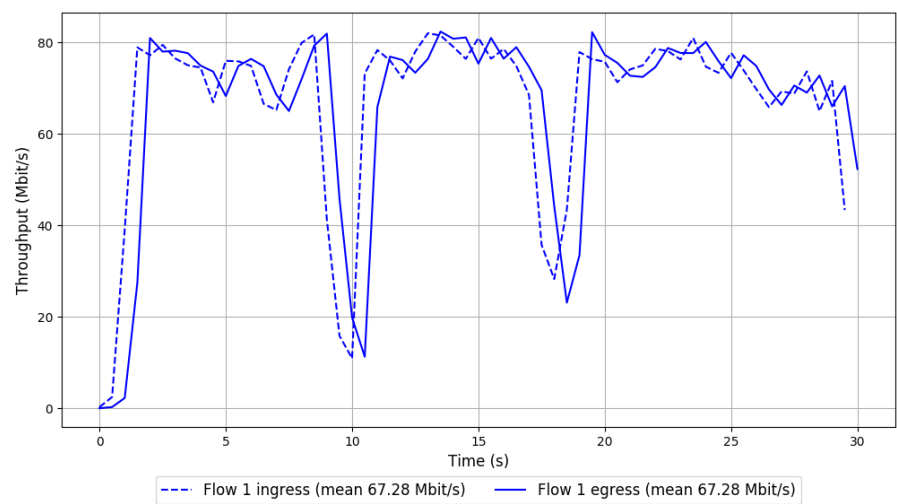
-- Flow 1:

Average throughput: 67.28 Mbit/s

95th percentile per-packet one-way delay: 66.867 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-05-22 21:56:59

End at: 2018-05-22 21:57:29

Local clock offset: 0.342 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-05-22 23:08:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.56 Mbit/s

95th percentile per-packet one-way delay: 66.834 ms

Loss rate: 0.00%

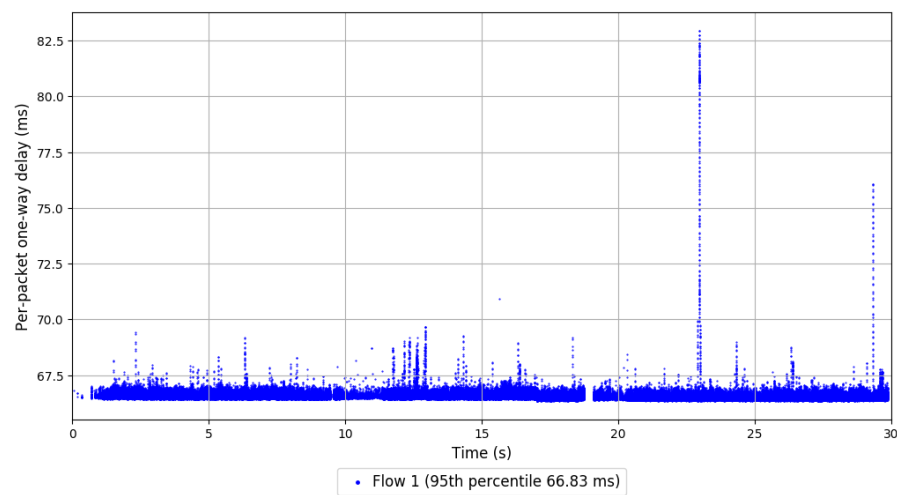
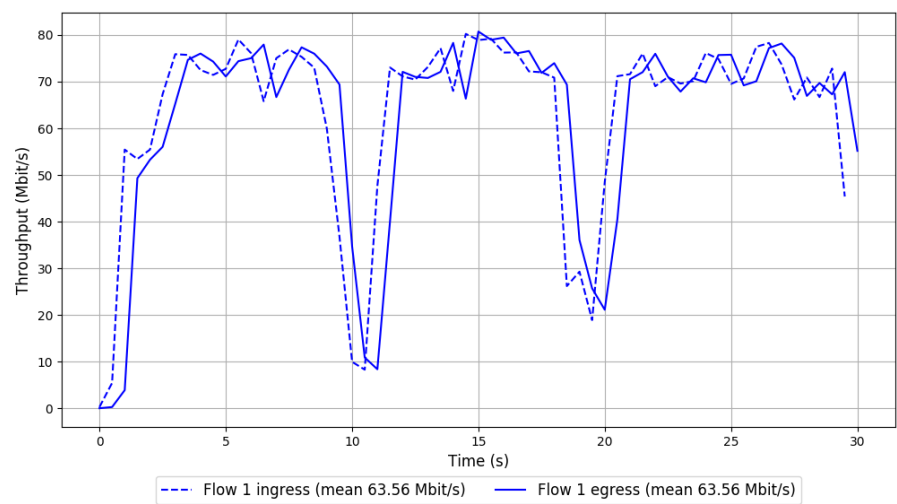
-- Flow 1:

Average throughput: 63.56 Mbit/s

95th percentile per-packet one-way delay: 66.834 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

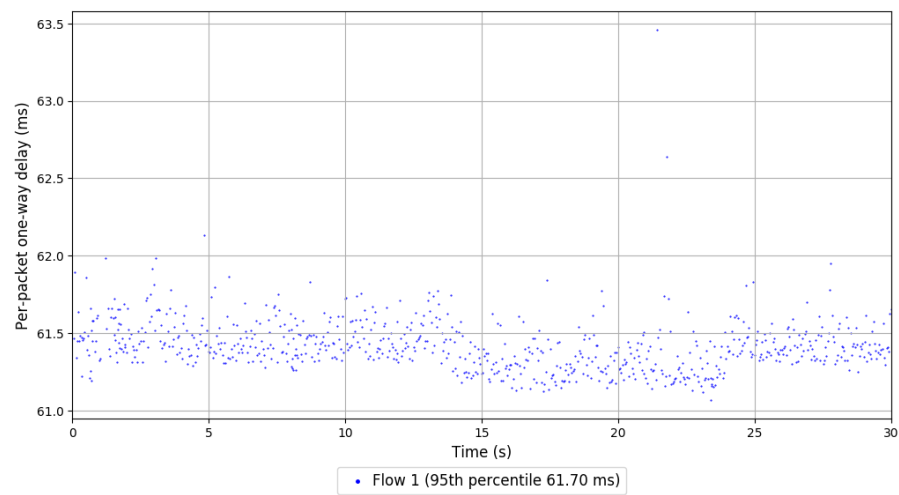
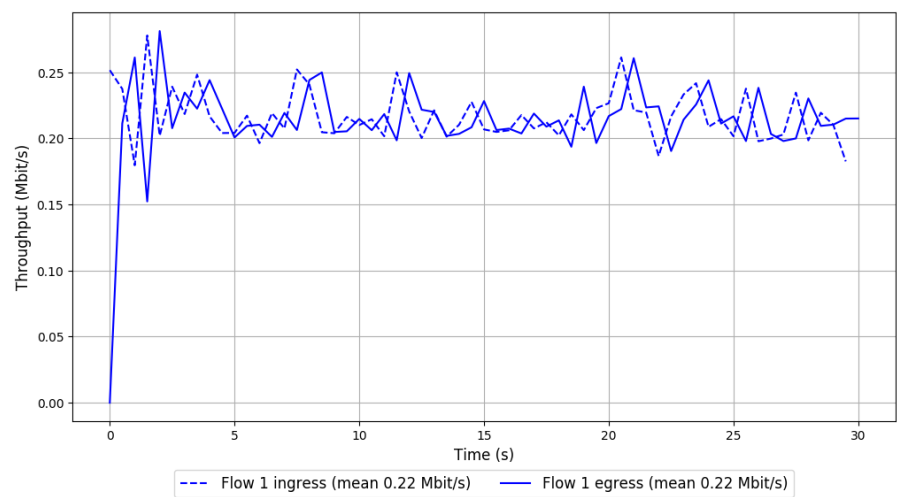


Run 1: Statistics of SCReAM

Start at: 2018-05-22 18:41:42
End at: 2018-05-22 18:42:12
Local clock offset: -0.03 ms
Remote clock offset: -0.415 ms

Below is generated by plot.py at 2018-05-22 23:08:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.696 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.696 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-05-22 19:01:45

End at: 2018-05-22 19:02:15

Local clock offset: -0.057 ms

Remote clock offset: 0.135 ms

Below is generated by plot.py at 2018-05-22 23:08:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 62.223 ms

Loss rate: 0.00%

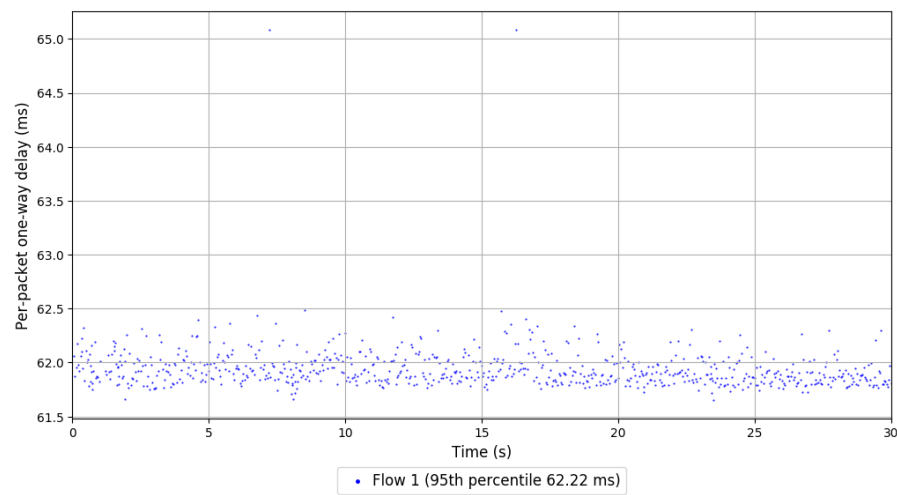
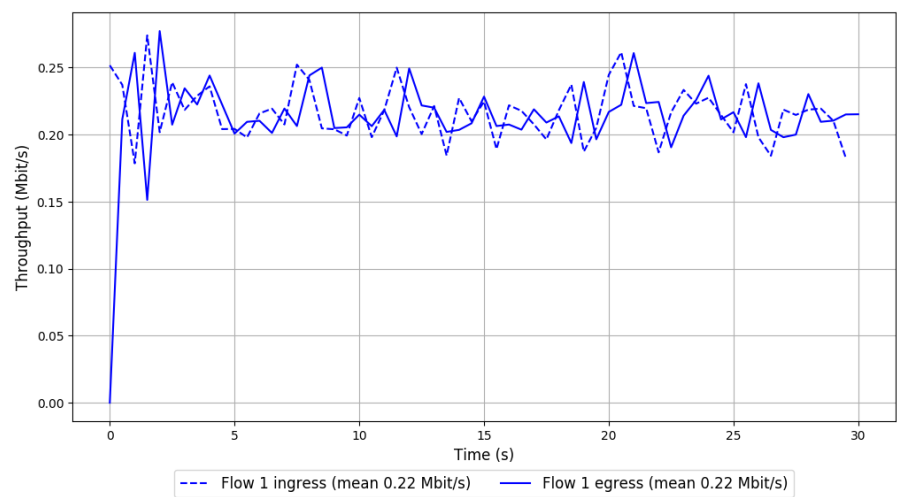
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 62.223 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-05-22 19:21:50

End at: 2018-05-22 19:22:20

Local clock offset: 0.059 ms

Remote clock offset: 0.176 ms

Below is generated by plot.py at 2018-05-22 23:08:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 67.122 ms

Loss rate: 0.00%

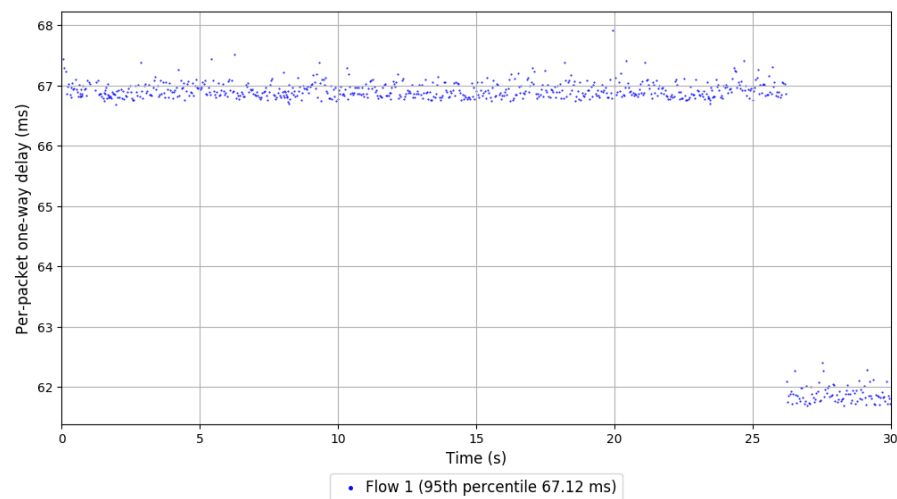
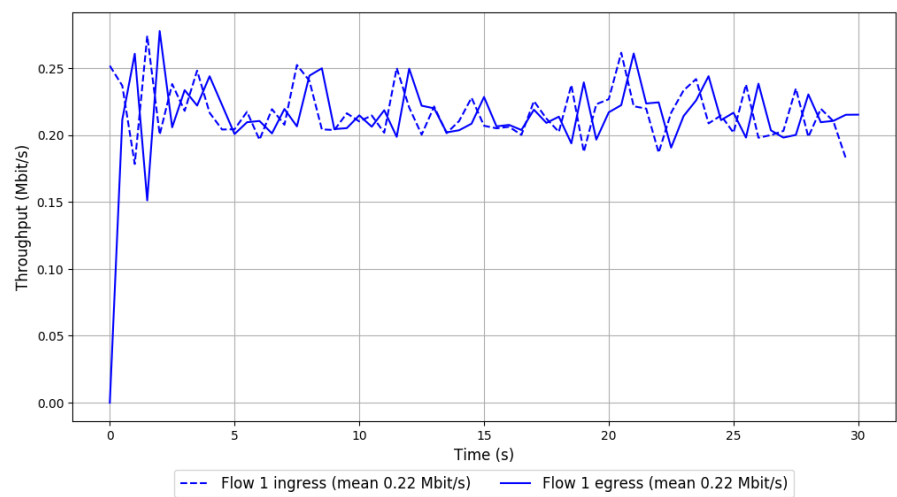
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 67.122 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

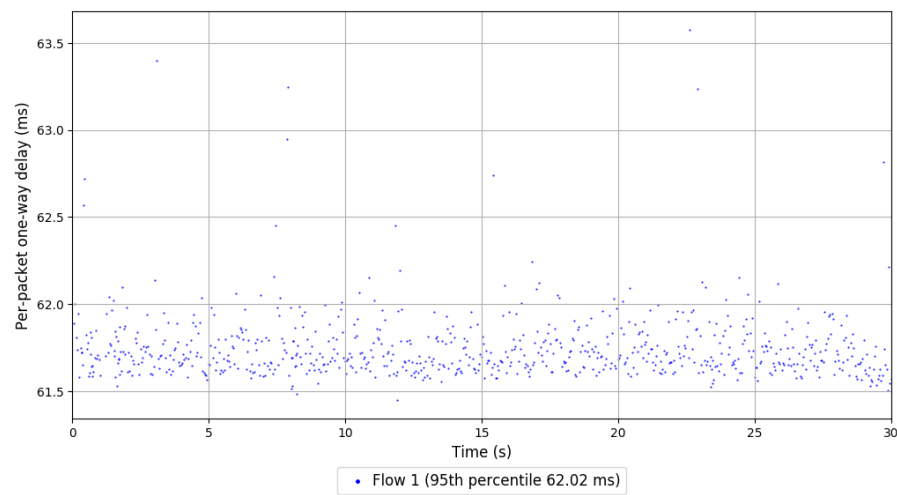
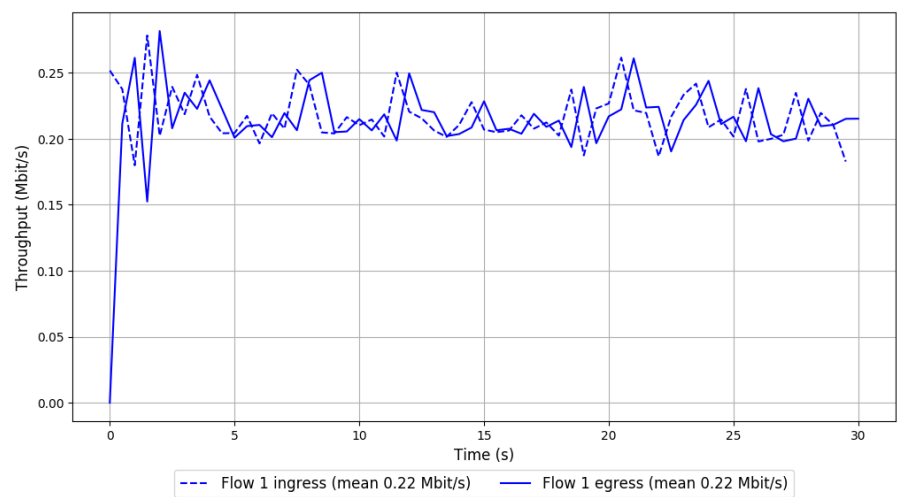


Run 4: Statistics of SCReAM

Start at: 2018-05-22 19:42:08
End at: 2018-05-22 19:42:38
Local clock offset: 0.058 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-05-22 23:08:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.022 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.022 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

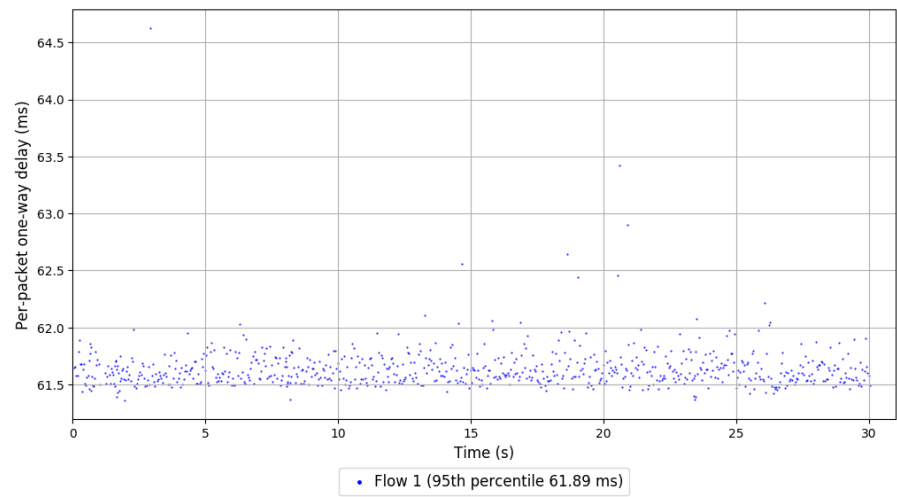
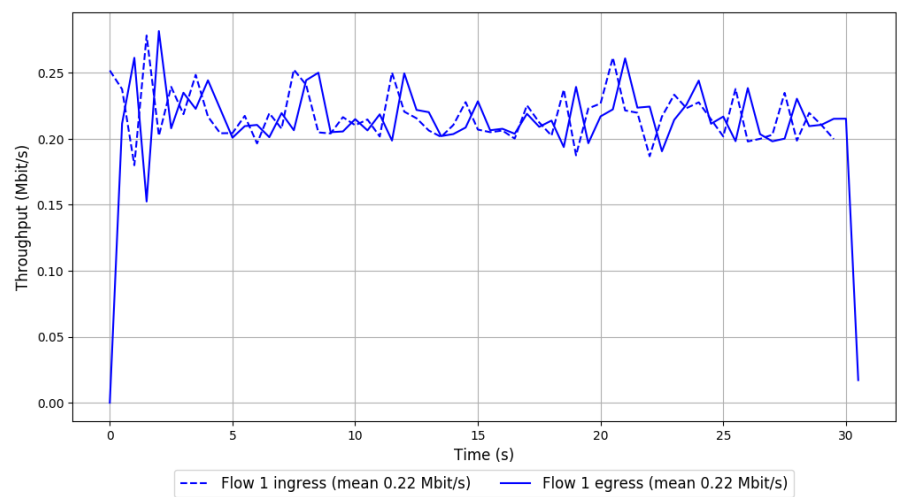


Run 5: Statistics of SCReAM

Start at: 2018-05-22 20:02:19
End at: 2018-05-22 20:02:49
Local clock offset: -0.26 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2018-05-22 23:08:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.887 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.887 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

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

End at: 2018-05-22 20:22:52

Local clock offset: -0.29 ms

Remote clock offset: 0.095 ms

Below is generated by plot.py at 2018-05-22 23:08:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 67.156 ms

Loss rate: 0.00%

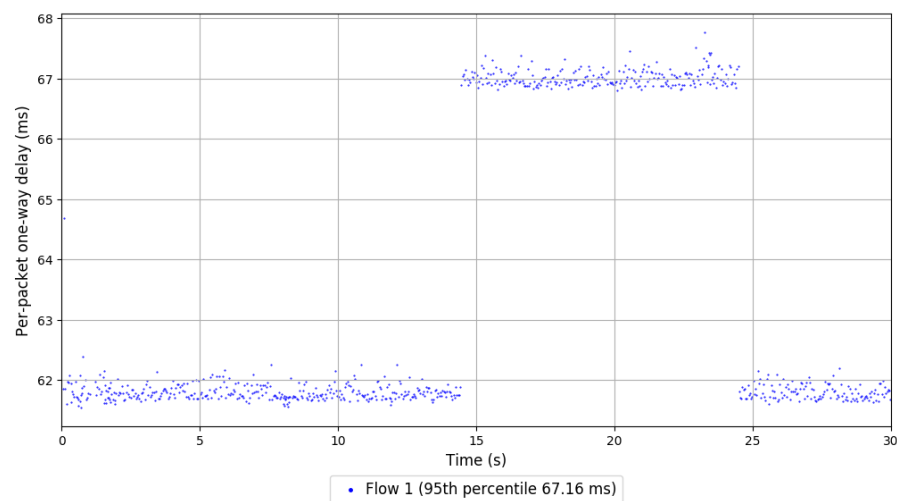
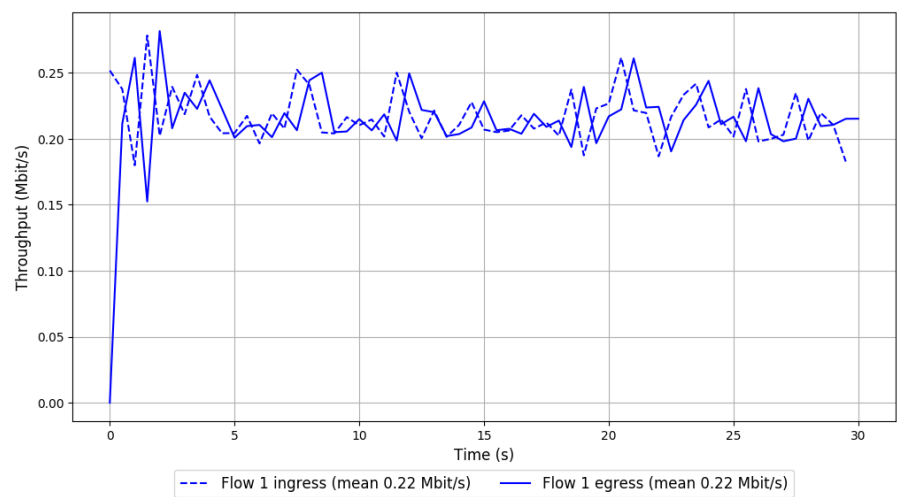
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 67.156 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

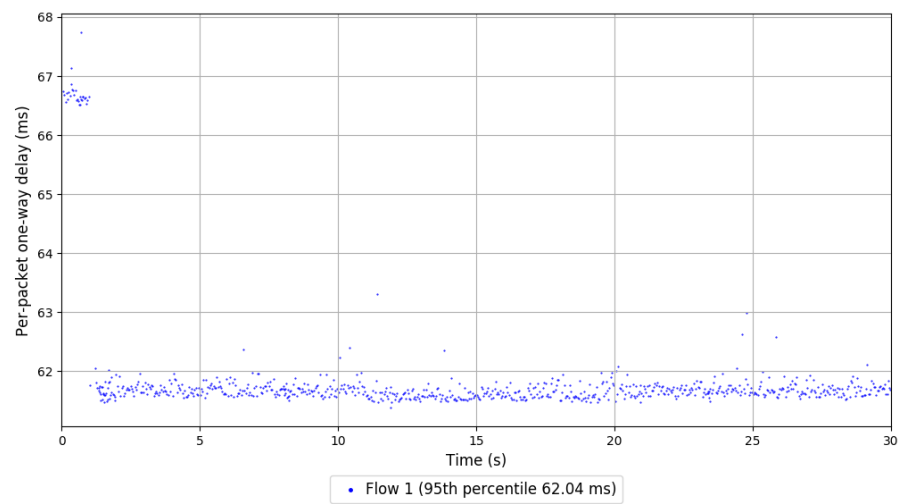
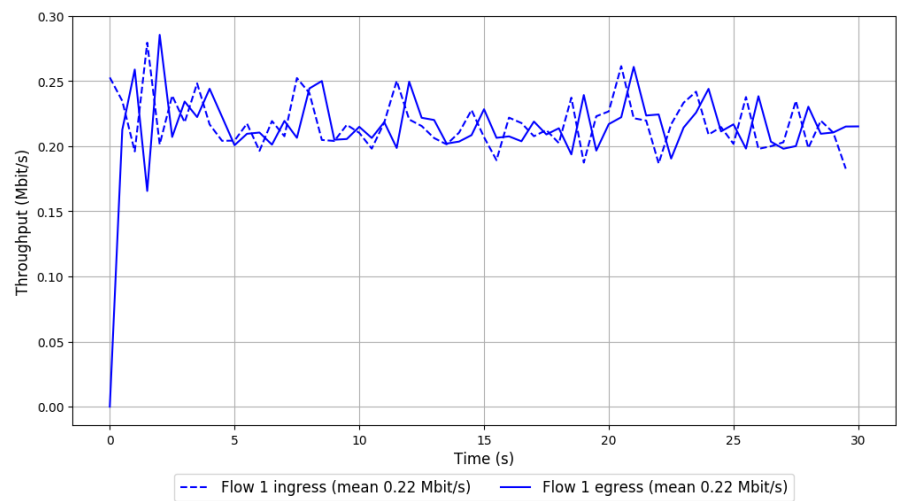


Run 7: Statistics of SCReAM

Start at: 2018-05-22 20:42:25
End at: 2018-05-22 20:42:55
Local clock offset: -0.327 ms
Remote clock offset: -0.152 ms

Below is generated by plot.py at 2018-05-22 23:08:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.041 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.041 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

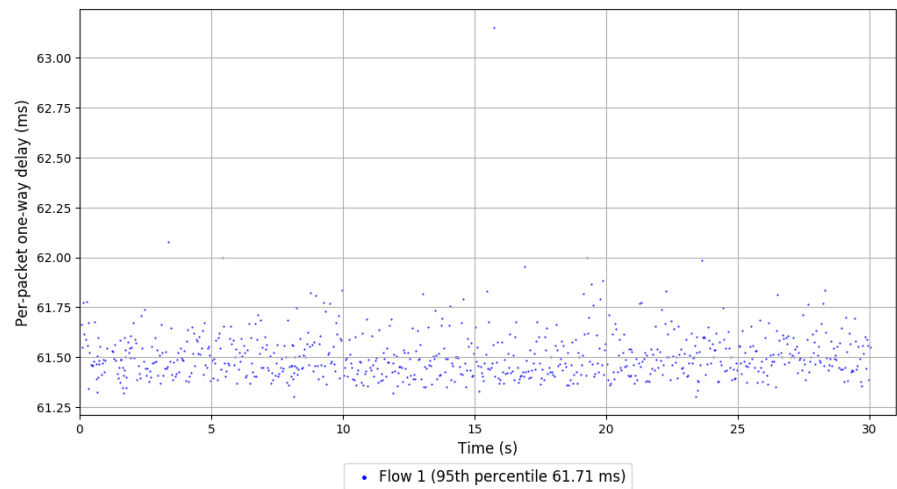
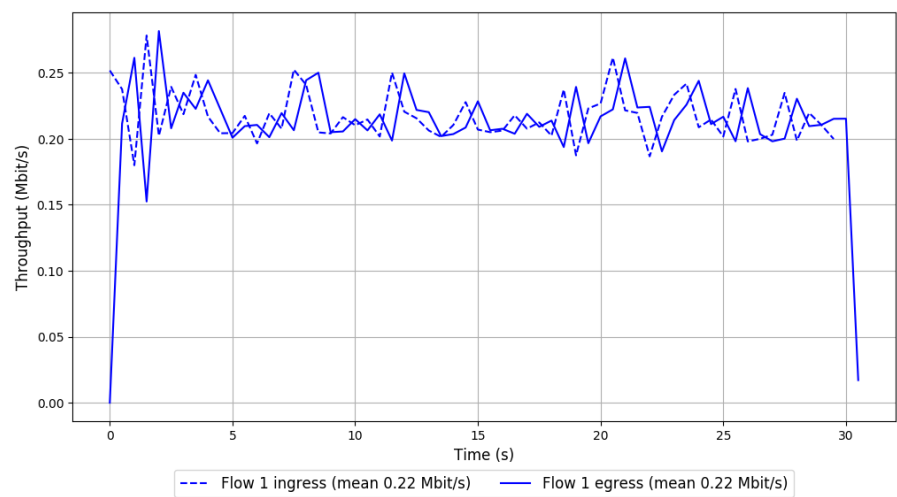


Run 8: Statistics of SCReAM

Start at: 2018-05-22 21:02:26
End at: 2018-05-22 21:02:56
Local clock offset: -0.366 ms
Remote clock offset: -0.246 ms

Below is generated by plot.py at 2018-05-22 23:08:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.709 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.709 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-05-22 21:22:25

End at: 2018-05-22 21:22:55

Local clock offset: -0.417 ms

Remote clock offset: 0.133 ms

Below is generated by plot.py at 2018-05-22 23:08:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 62.255 ms

Loss rate: 0.00%

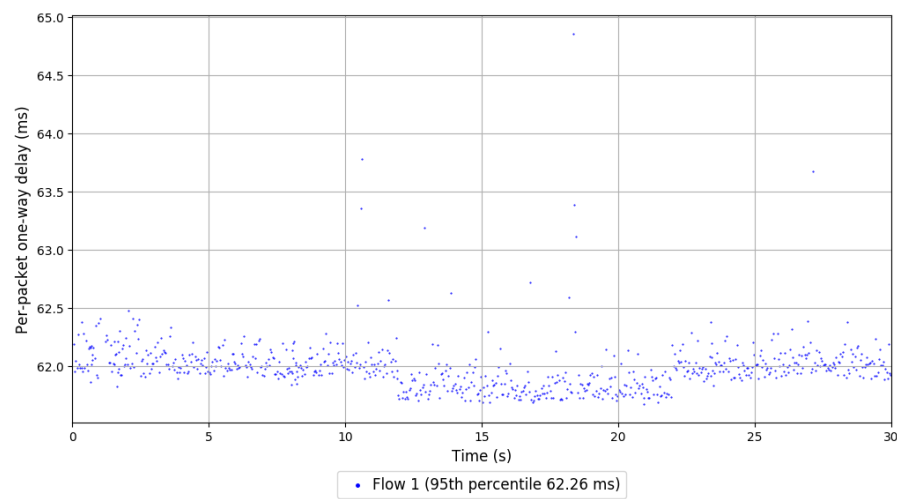
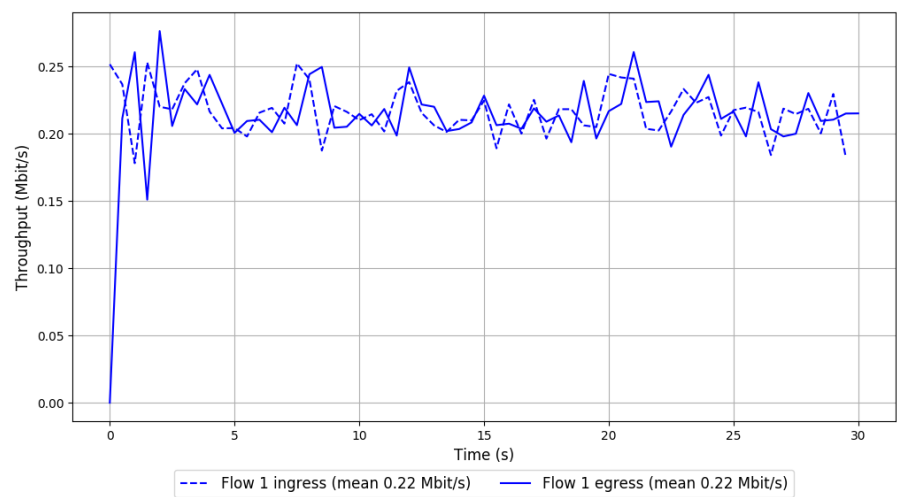
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 62.255 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-05-22 21:42:12

End at: 2018-05-22 21:42:42

Local clock offset: 0.131 ms

Remote clock offset: 0.251 ms

Below is generated by plot.py at 2018-05-22 23:08:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 67.328 ms

Loss rate: 0.00%

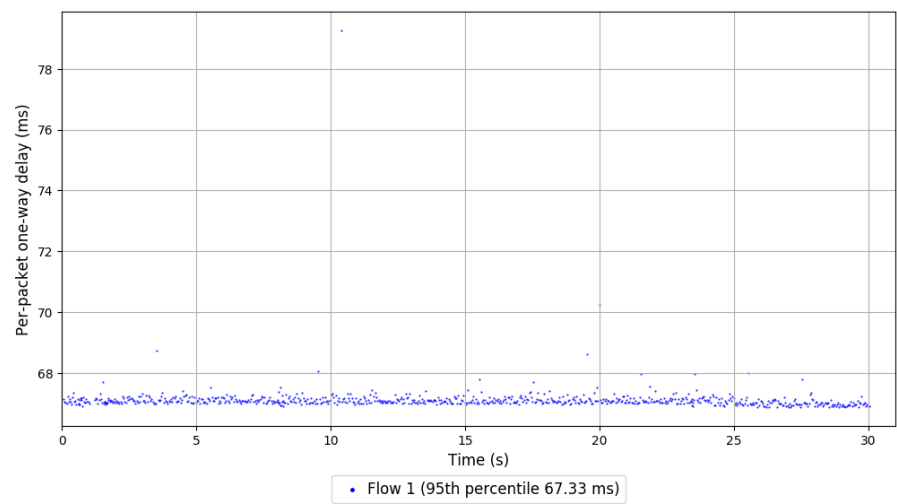
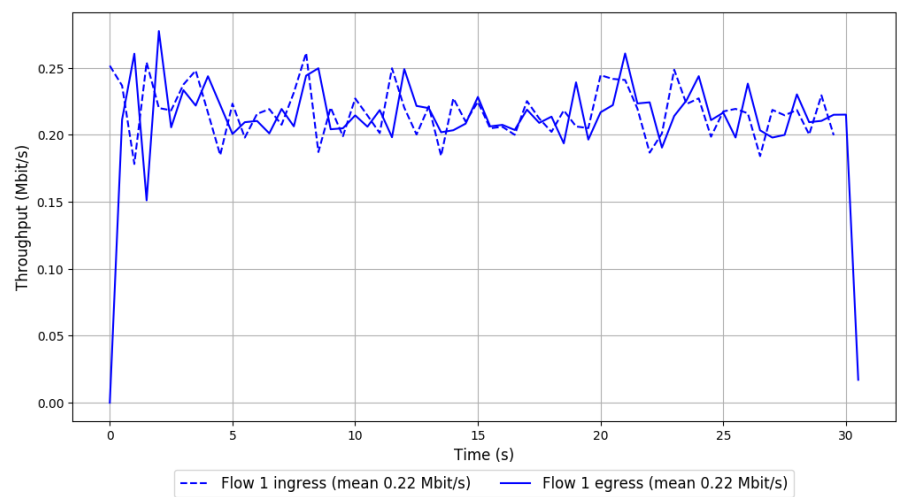
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 67.328 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

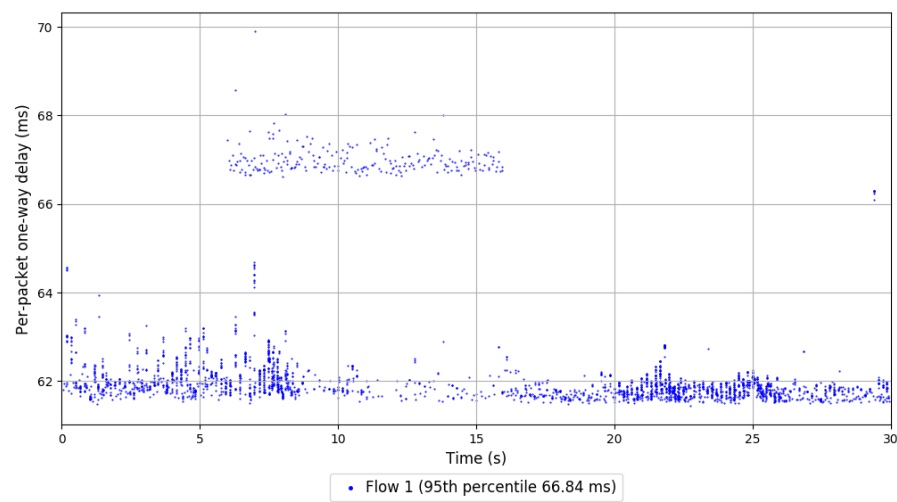
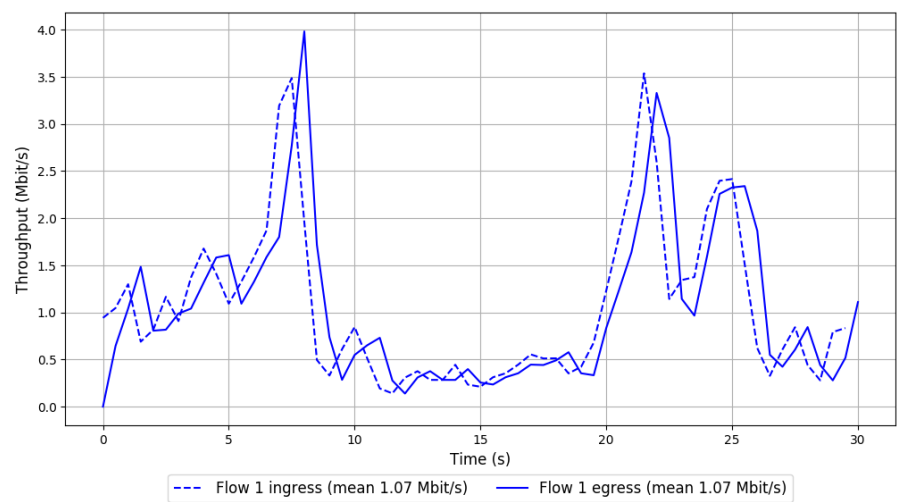


Run 1: Statistics of Sprout

Start at: 2018-05-22 18:44:20
End at: 2018-05-22 18:44:50
Local clock offset: -0.058 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-05-22 23:08:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.07 Mbit/s
95th percentile per-packet one-way delay: 66.839 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.07 Mbit/s
95th percentile per-packet one-way delay: 66.839 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

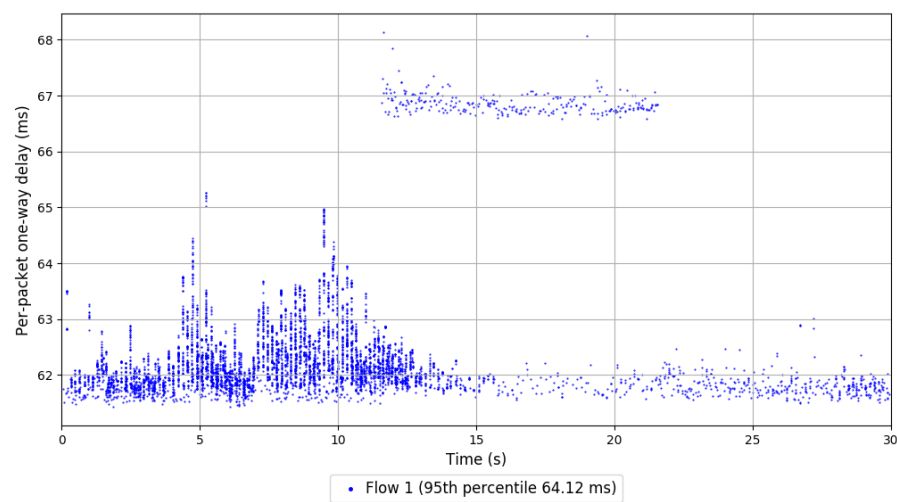
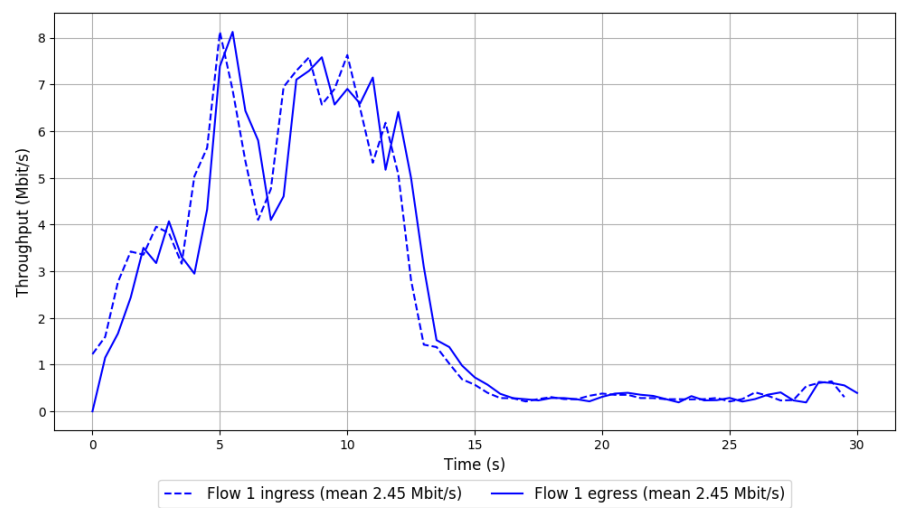


Run 2: Statistics of Sprout

Start at: 2018-05-22 19:04:25
End at: 2018-05-22 19:04:55
Local clock offset: -0.082 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-05-22 23:08:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.45 Mbit/s
95th percentile per-packet one-way delay: 64.119 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.45 Mbit/s
95th percentile per-packet one-way delay: 64.119 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

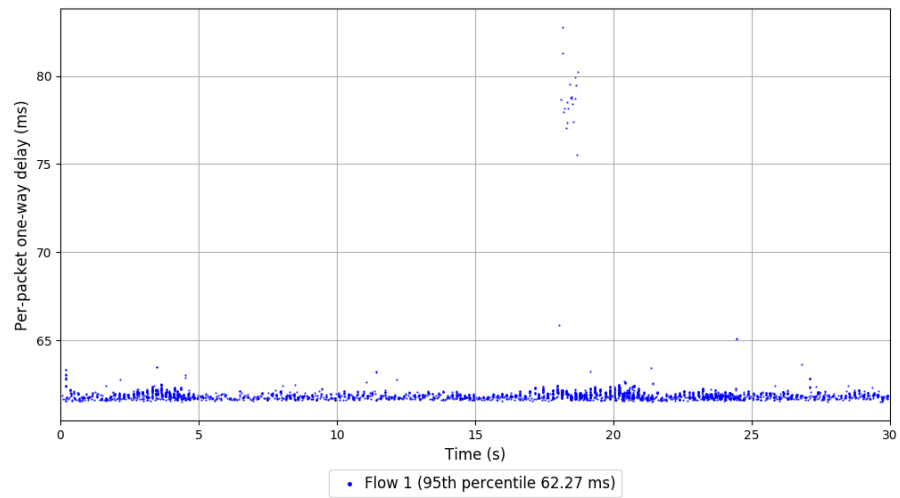
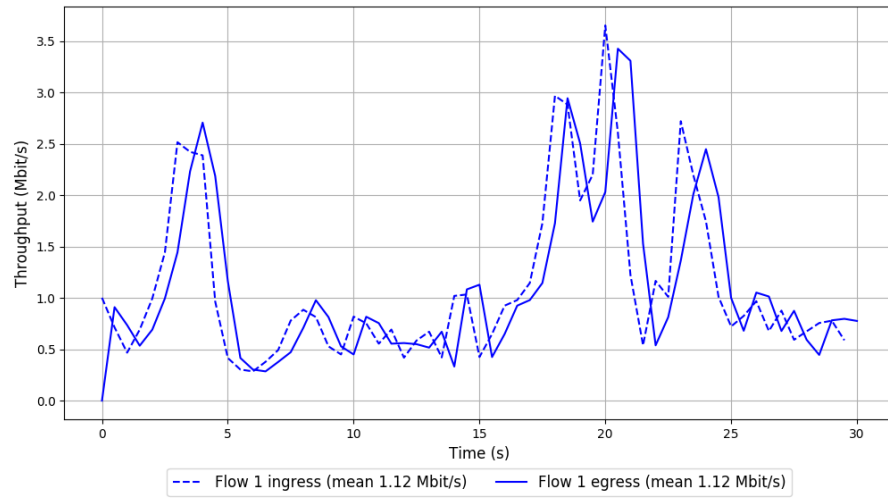


Run 3: Statistics of Sprout

Start at: 2018-05-22 19:24:32
End at: 2018-05-22 19:25:02
Local clock offset: -0.008 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-05-22 23:08:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.12 Mbit/s
95th percentile per-packet one-way delay: 62.275 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.12 Mbit/s
95th percentile per-packet one-way delay: 62.275 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

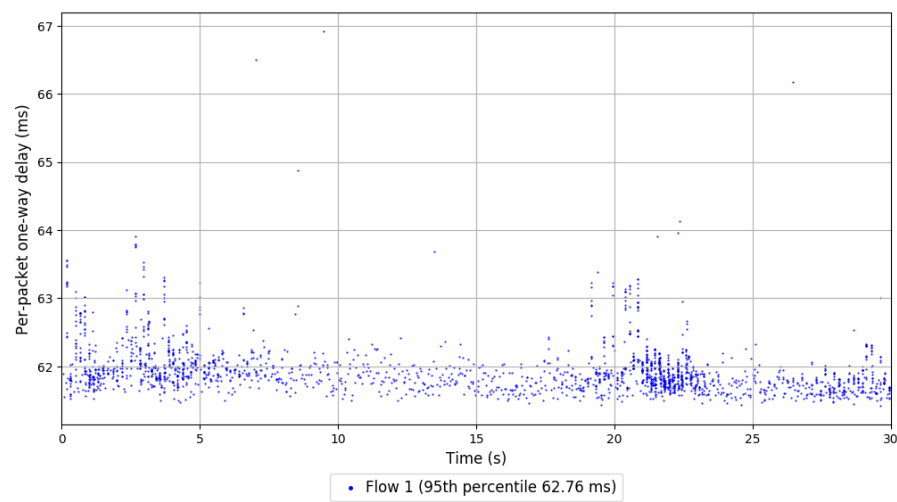
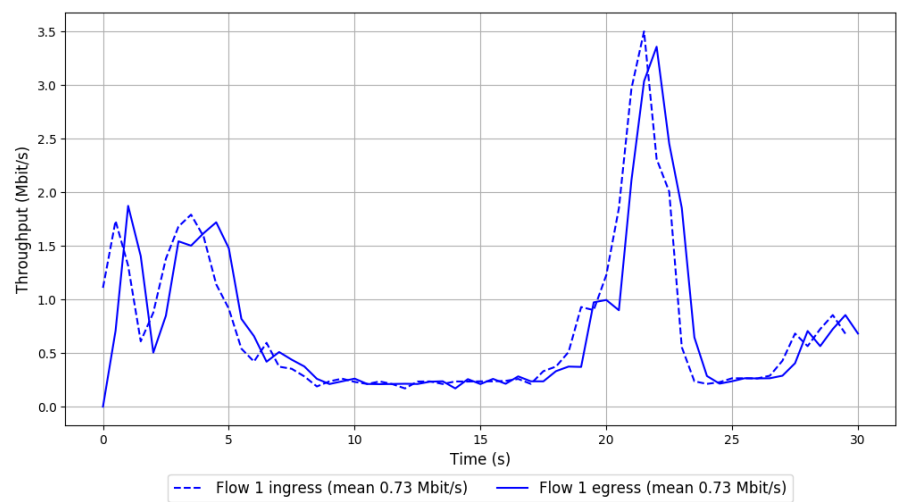


Run 4: Statistics of Sprout

Start at: 2018-05-22 19:44:50
End at: 2018-05-22 19:45:20
Local clock offset: -0.154 ms
Remote clock offset: -0.147 ms

Below is generated by plot.py at 2018-05-22 23:08:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 62.764 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 62.764 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-05-22 20:05:02

End at: 2018-05-22 20:05:32

Local clock offset: -0.239 ms

Remote clock offset: 0.313 ms

Below is generated by plot.py at 2018-05-22 23:08:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.66 Mbit/s

95th percentile per-packet one-way delay: 67.201 ms

Loss rate: 0.00%

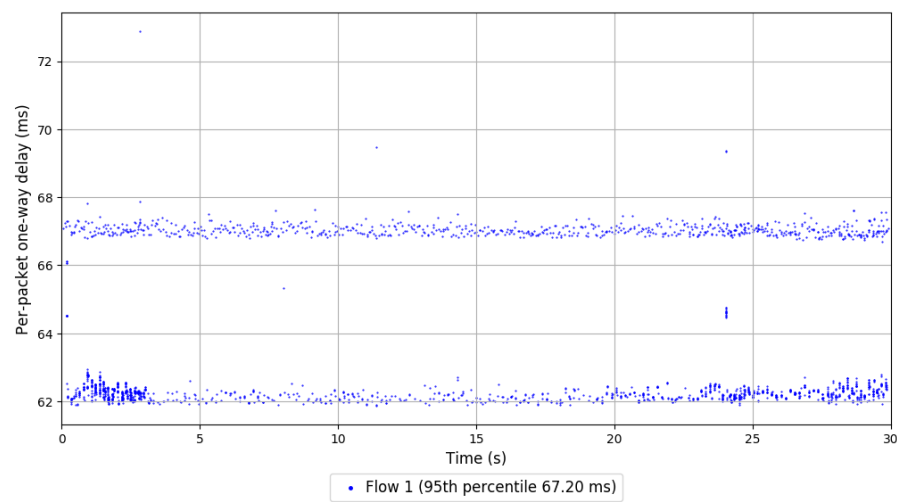
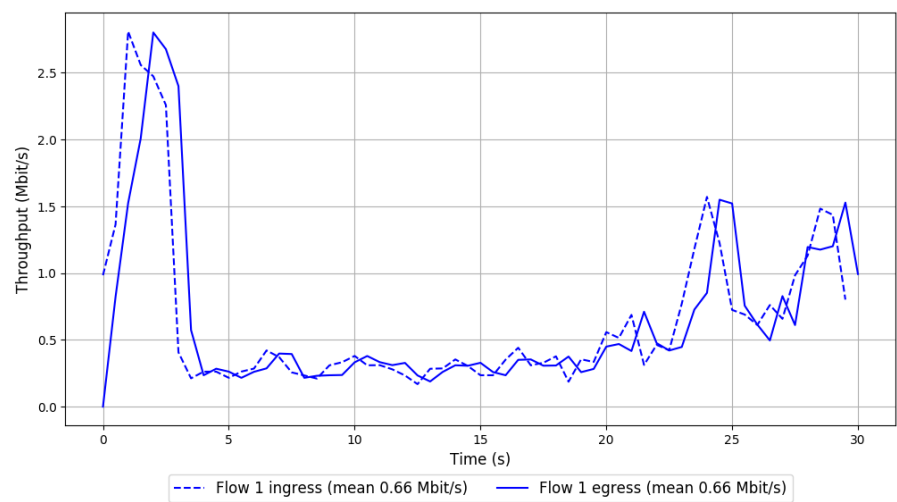
-- Flow 1:

Average throughput: 0.66 Mbit/s

95th percentile per-packet one-way delay: 67.201 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-05-22 20:25:00

End at: 2018-05-22 20:25:30

Local clock offset: -0.275 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-05-22 23:08:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 66.916 ms

Loss rate: 0.00%

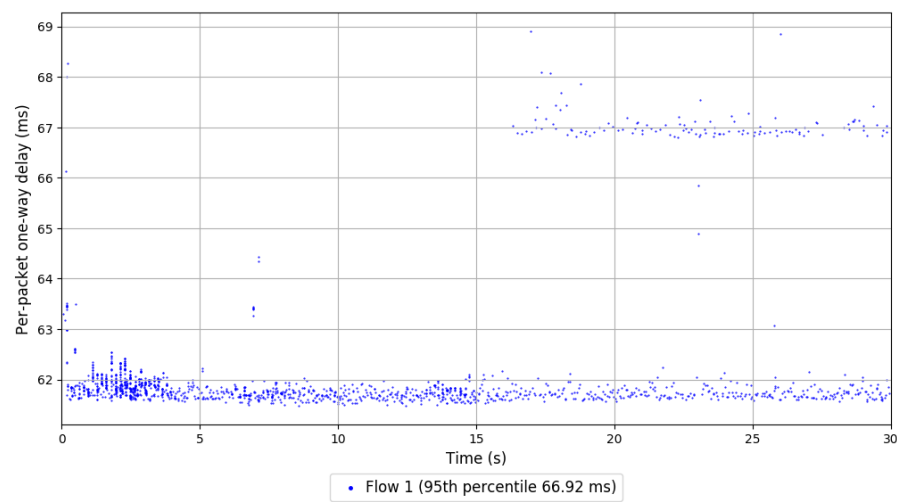
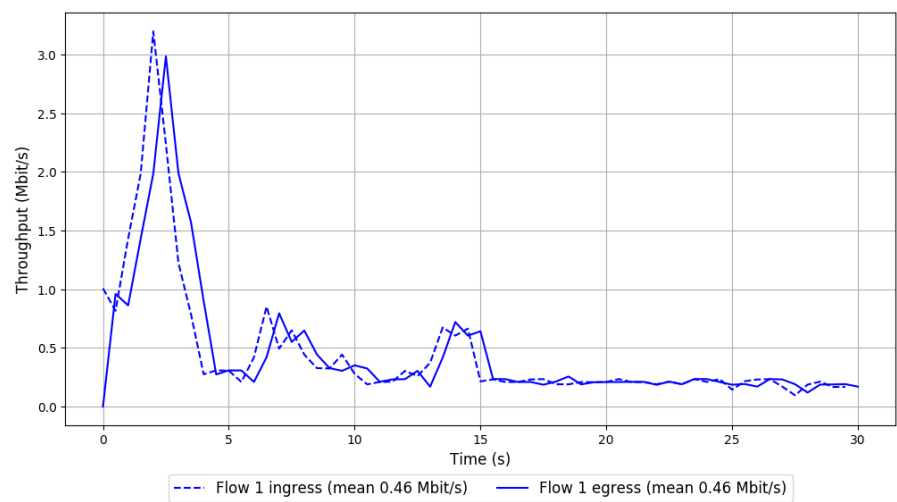
-- Flow 1:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 66.916 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

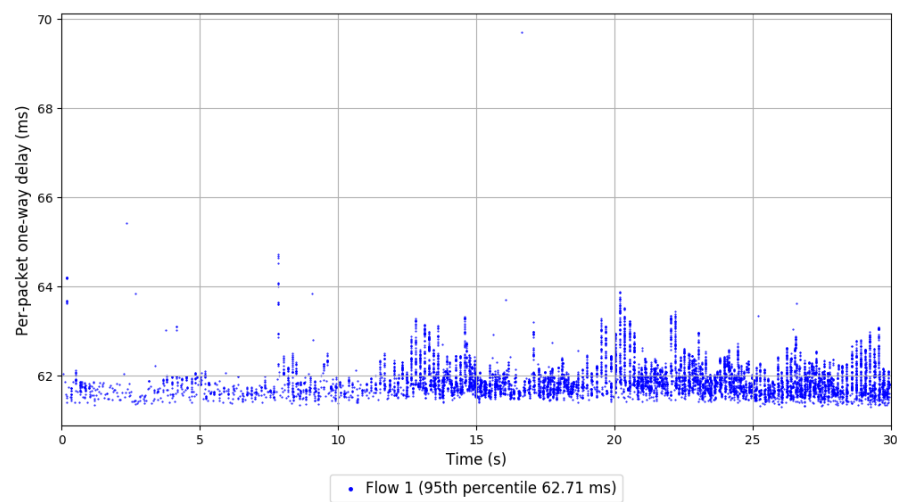
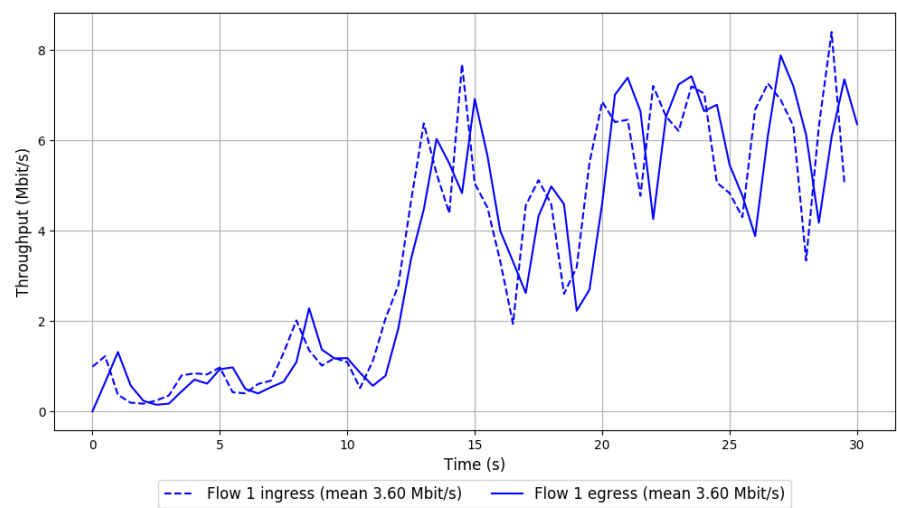


Run 7: Statistics of Sprout

Start at: 2018-05-22 20:45:06
End at: 2018-05-22 20:45:36
Local clock offset: -0.341 ms
Remote clock offset: -0.177 ms

Below is generated by plot.py at 2018-05-22 23:08:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.60 Mbit/s
95th percentile per-packet one-way delay: 62.711 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.60 Mbit/s
95th percentile per-packet one-way delay: 62.711 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-05-22 21:05:07

End at: 2018-05-22 21:05:37

Local clock offset: -0.371 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2018-05-22 23:08:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 67.822 ms

Loss rate: 0.00%

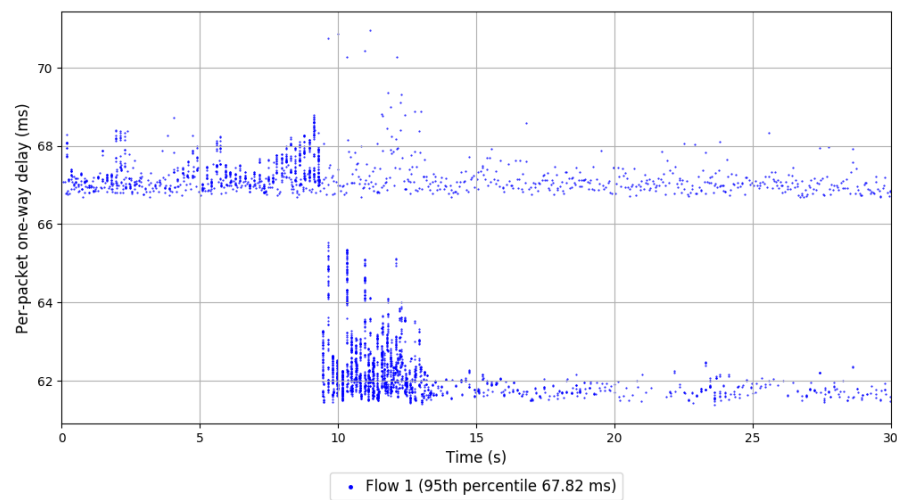
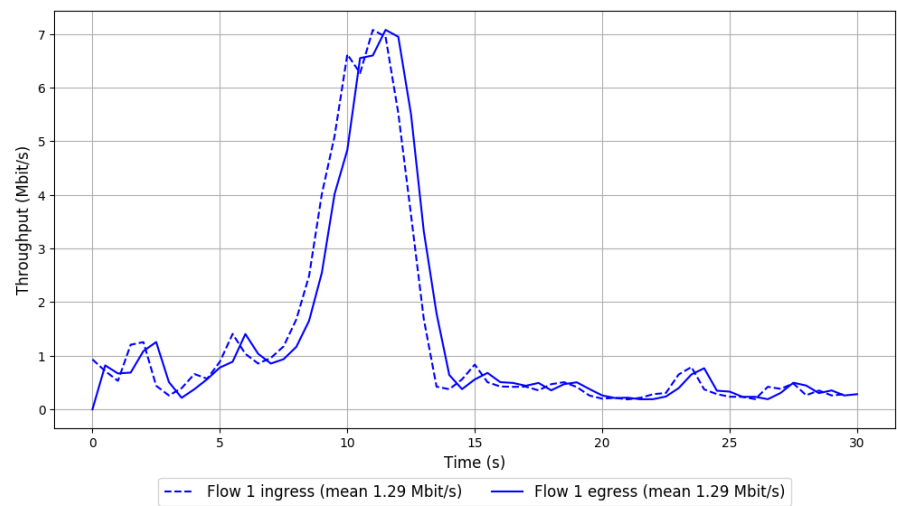
-- Flow 1:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 67.822 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

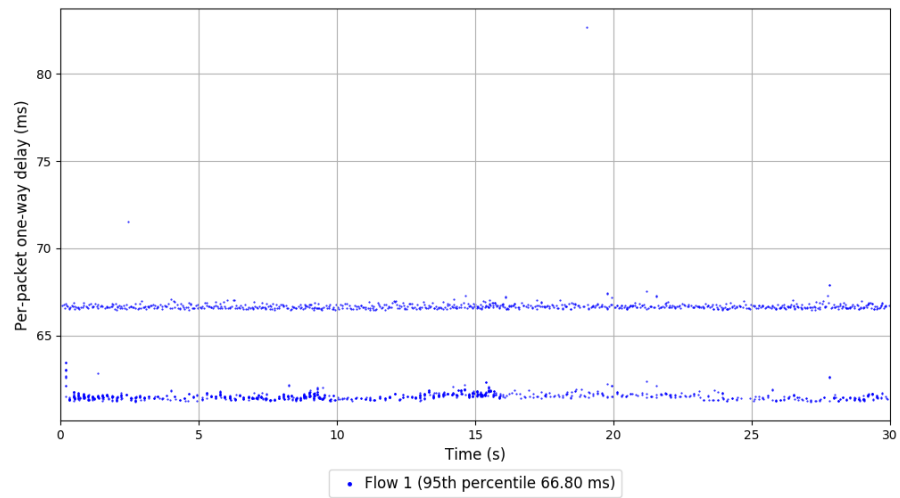
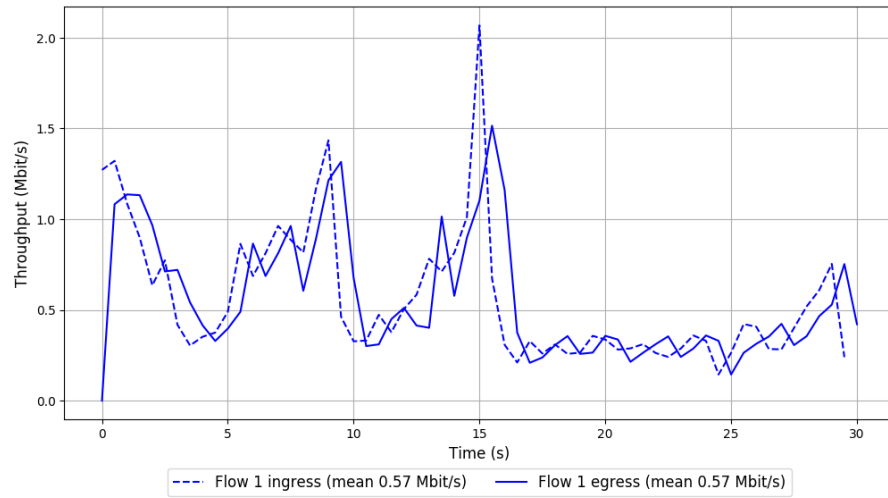


Run 9: Statistics of Sprout

Start at: 2018-05-22 21:25:03
End at: 2018-05-22 21:25:33
Local clock offset: -0.453 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2018-05-22 23:08:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 66.800 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 66.800 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

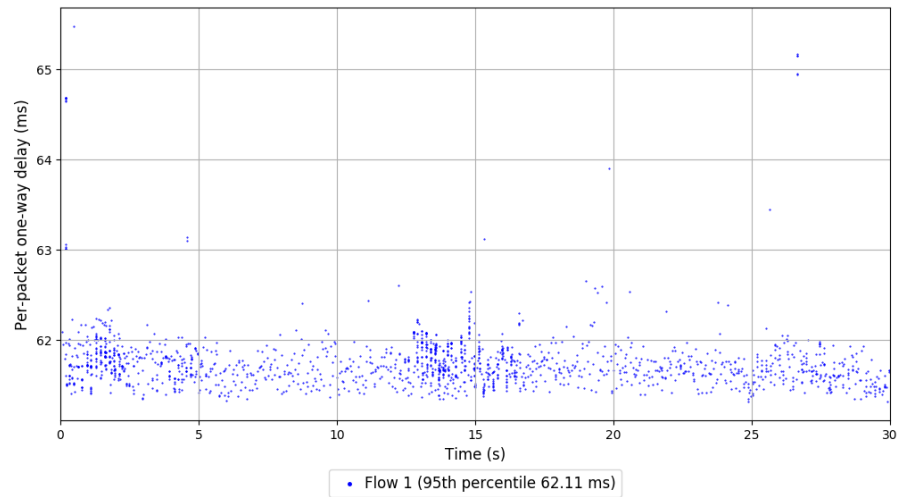
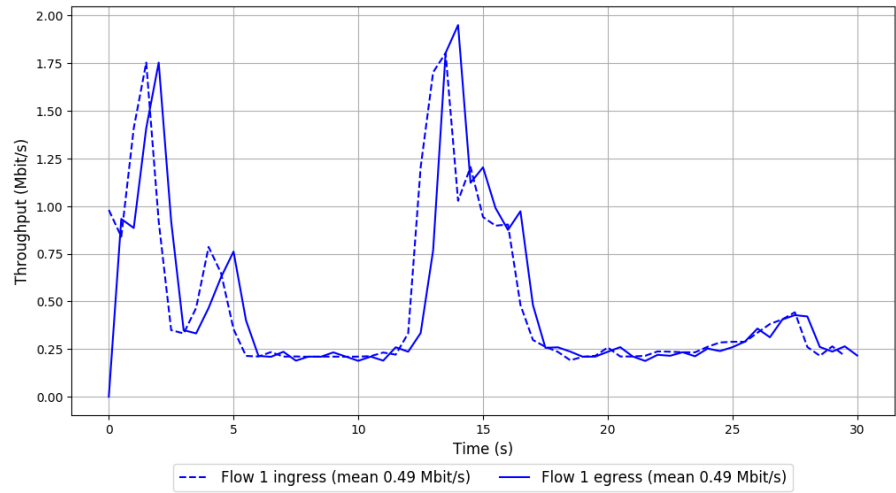


Run 10: Statistics of Sprout

Start at: 2018-05-22 21:44:52
End at: 2018-05-22 21:45:22
Local clock offset: 0.132 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-05-22 23:08:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 62.109 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 62.109 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-05-22 18:40:16

End at: 2018-05-22 18:40:46

Local clock offset: -0.04 ms

Remote clock offset: -0.214 ms

Below is generated by plot.py at 2018-05-22 23:12:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.74 Mbit/s

95th percentile per-packet one-way delay: 62.496 ms

Loss rate: 0.00%

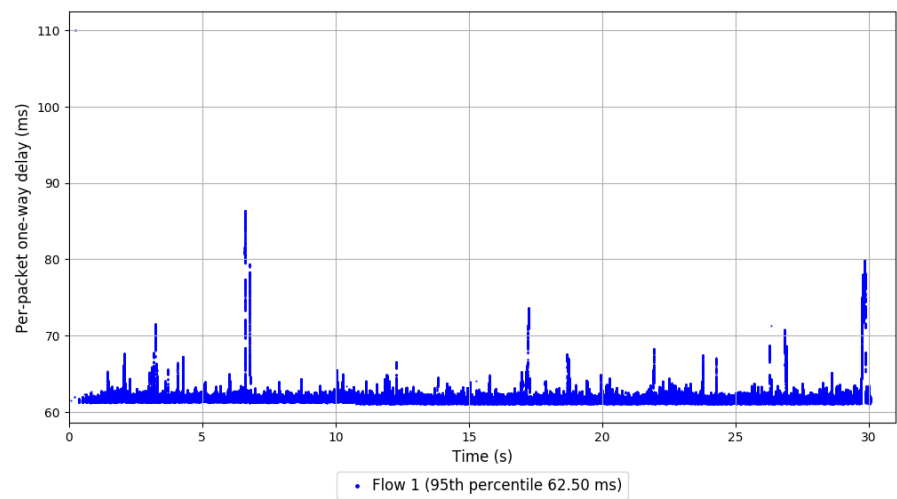
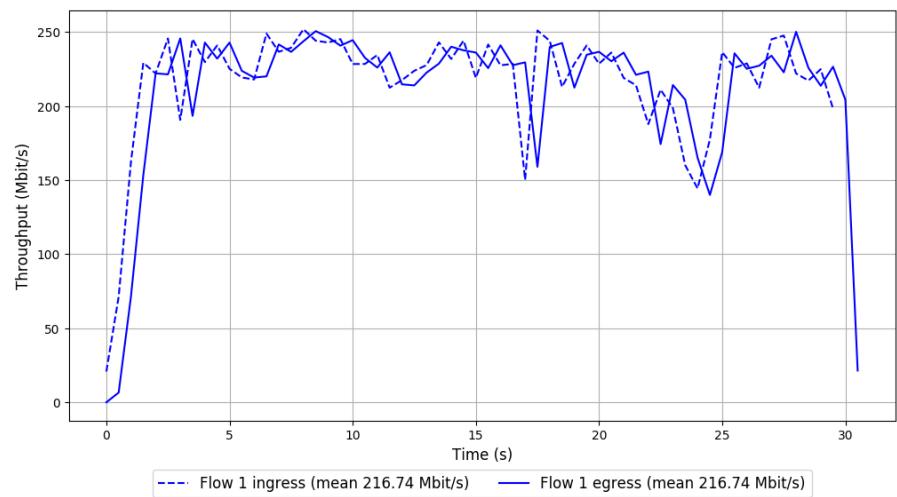
-- Flow 1:

Average throughput: 216.74 Mbit/s

95th percentile per-packet one-way delay: 62.496 ms

Loss rate: 0.00%

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

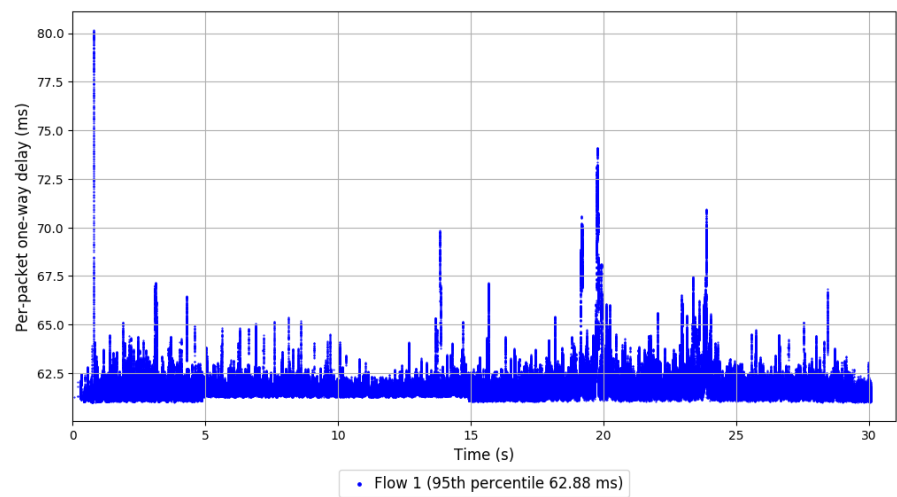
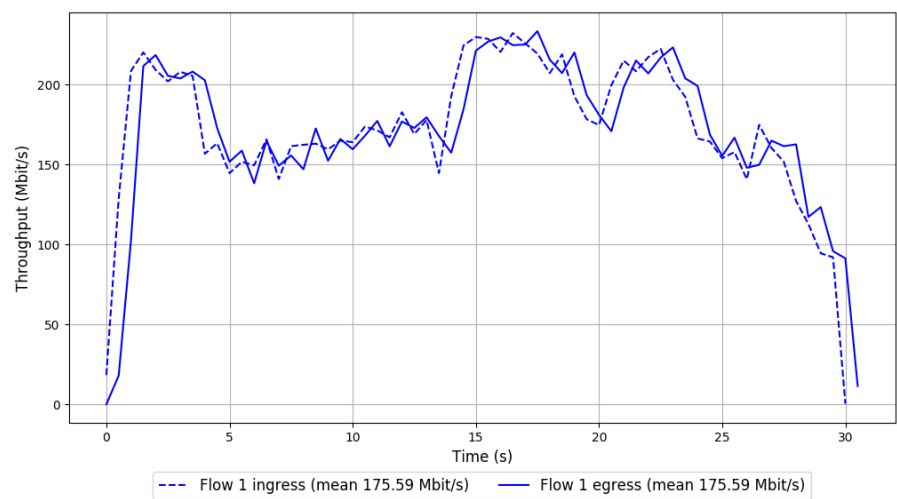


Run 2: Statistics of TaoVA-100x

Start at: 2018-05-22 19:00:22
End at: 2018-05-22 19:00:52
Local clock offset: -0.014 ms
Remote clock offset: -0.267 ms

Below is generated by plot.py at 2018-05-22 23:12:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 175.59 Mbit/s
95th percentile per-packet one-way delay: 62.882 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 175.59 Mbit/s
95th percentile per-packet one-way delay: 62.882 ms
Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-05-22 19:20:43

End at: 2018-05-22 19:21:13

Local clock offset: -0.029 ms

Remote clock offset: 0.06 ms

Below is generated by plot.py at 2018-05-22 23:12:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.66 Mbit/s

95th percentile per-packet one-way delay: 67.010 ms

Loss rate: 0.00%

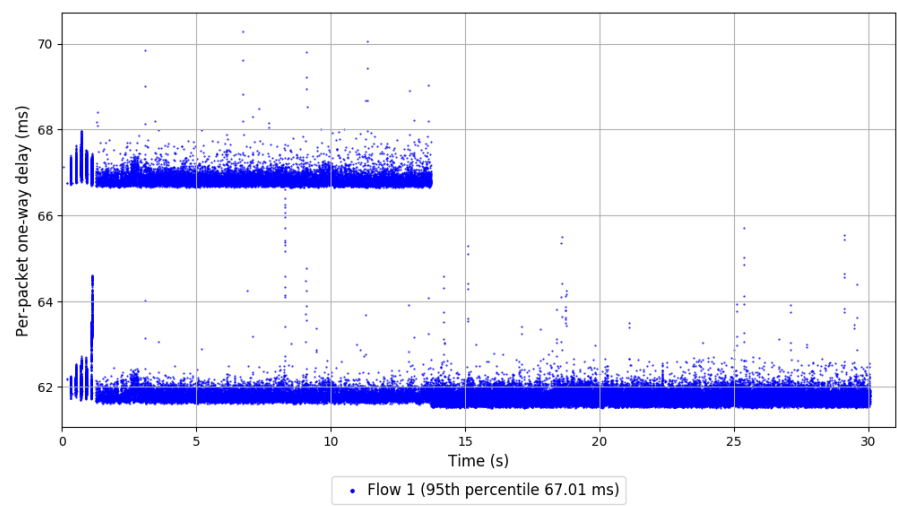
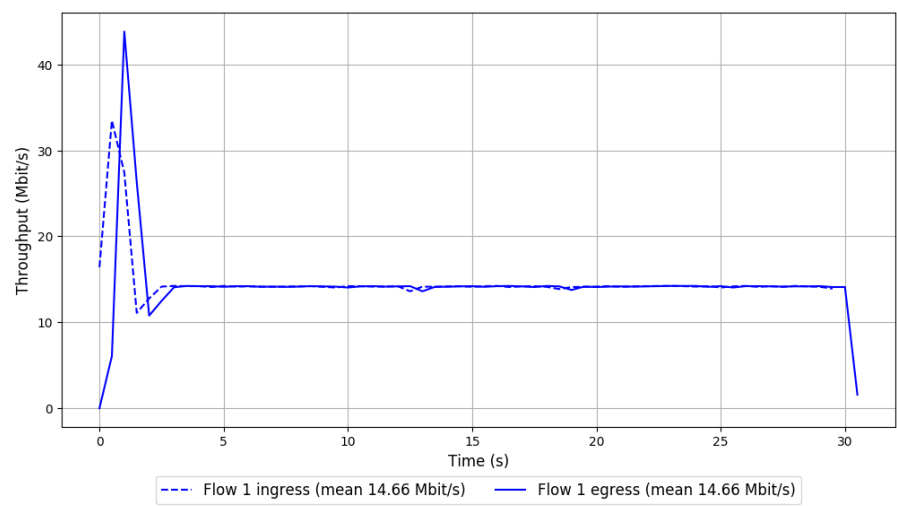
-- Flow 1:

Average throughput: 14.66 Mbit/s

95th percentile per-packet one-way delay: 67.010 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-05-22 19:40:43

End at: 2018-05-22 19:41:13

Local clock offset: 0.008 ms

Remote clock offset: -0.197 ms

Below is generated by plot.py at 2018-05-22 23:12:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 194.50 Mbit/s

95th percentile per-packet one-way delay: 63.894 ms

Loss rate: 0.00%

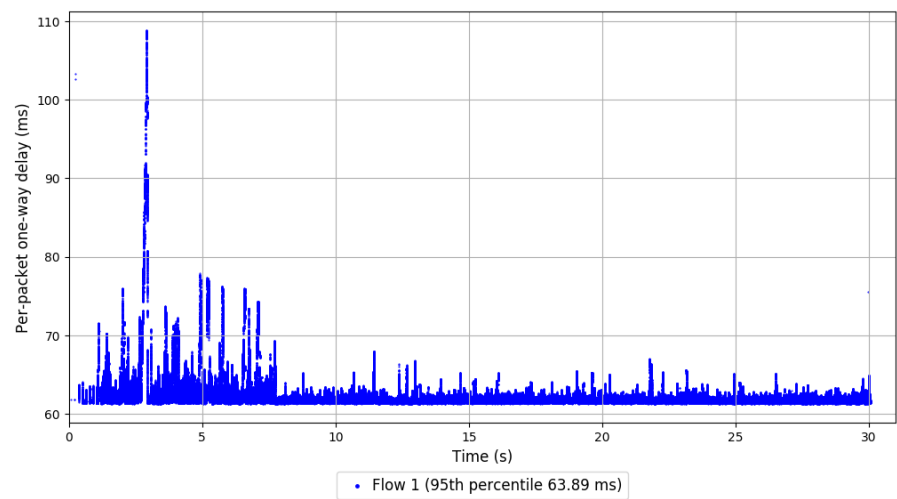
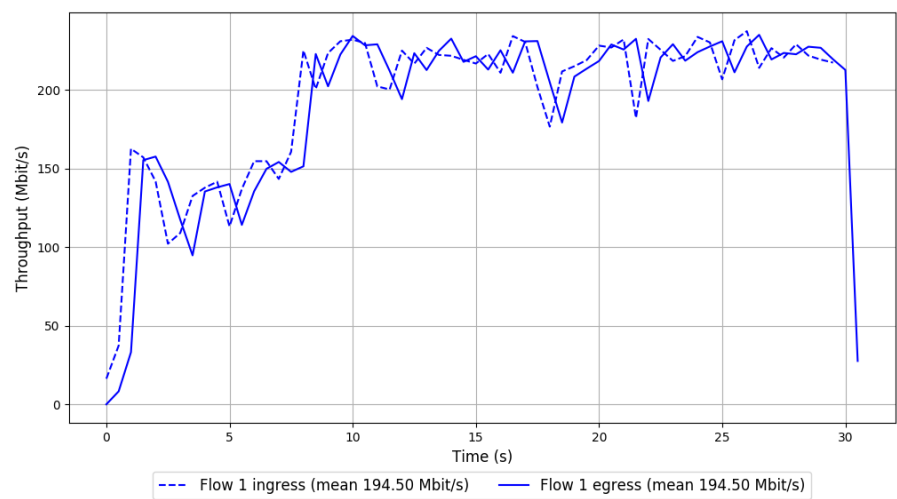
-- Flow 1:

Average throughput: 194.50 Mbit/s

95th percentile per-packet one-way delay: 63.894 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-05-22 20:00:53

End at: 2018-05-22 20:01:23

Local clock offset: -0.128 ms

Remote clock offset: 0.107 ms

Below is generated by plot.py at 2018-05-22 23:12:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.24 Mbit/s

95th percentile per-packet one-way delay: 63.237 ms

Loss rate: 0.00%

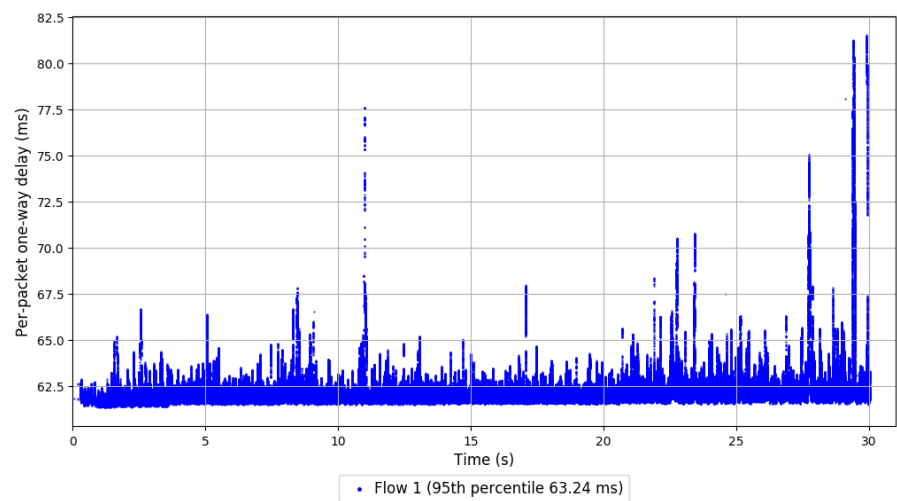
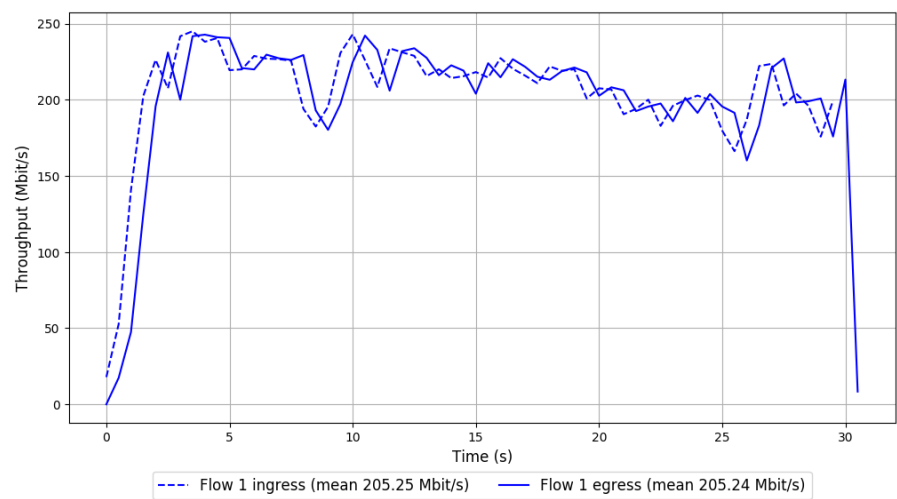
-- Flow 1:

Average throughput: 205.24 Mbit/s

95th percentile per-packet one-way delay: 63.237 ms

Loss rate: 0.00%

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

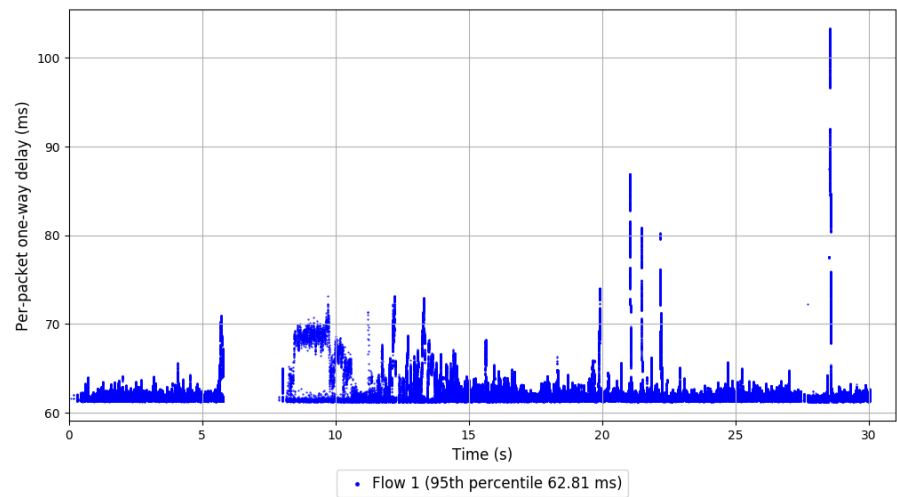
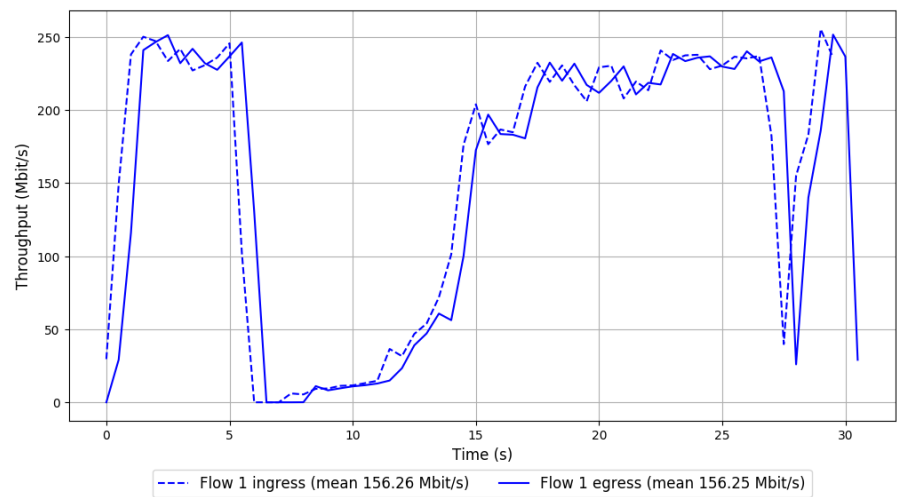


Run 6: Statistics of TaoVA-100x

Start at: 2018-05-22 20:21:01
End at: 2018-05-22 20:21:31
Local clock offset: -0.272 ms
Remote clock offset: -0.221 ms

Below is generated by plot.py at 2018-05-22 23:12:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 156.25 Mbit/s
95th percentile per-packet one-way delay: 62.811 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 156.25 Mbit/s
95th percentile per-packet one-way delay: 62.811 ms
Loss rate: 0.00%

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

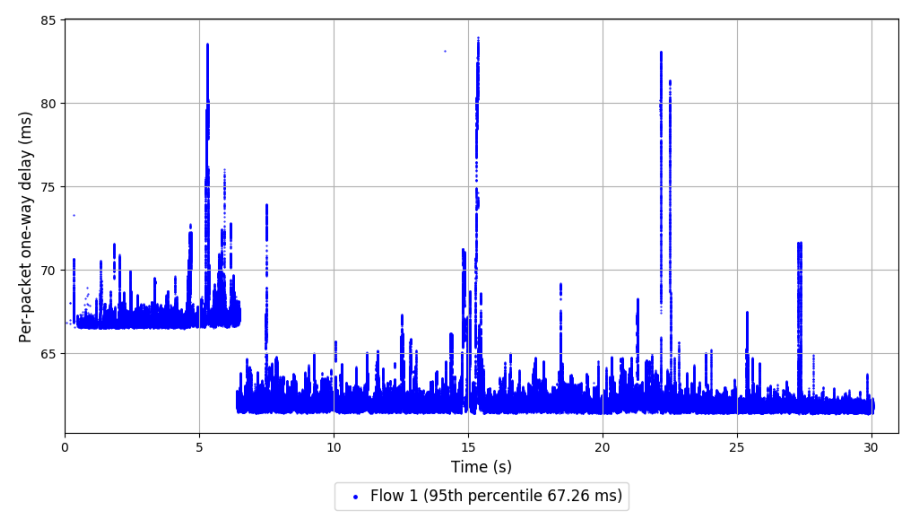
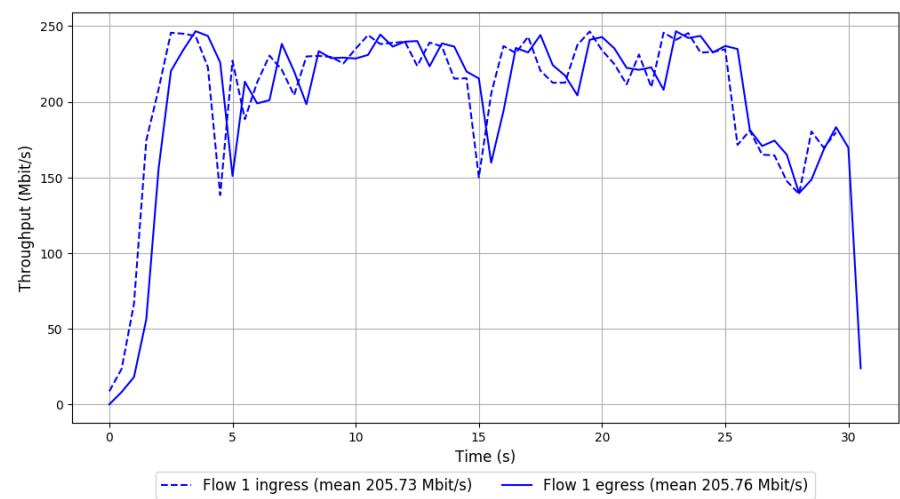


Run 7: Statistics of TaoVA-100x

Start at: 2018-05-22 20:41:00
End at: 2018-05-22 20:41:30
Local clock offset: -0.348 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-05-22 23:12:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.76 Mbit/s
95th percentile per-packet one-way delay: 67.260 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 205.76 Mbit/s
95th percentile per-packet one-way delay: 67.260 ms
Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-05-22 21:01:04

End at: 2018-05-22 21:01:34

Local clock offset: -0.399 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-05-22 23:15:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.47 Mbit/s

95th percentile per-packet one-way delay: 63.450 ms

Loss rate: 0.00%

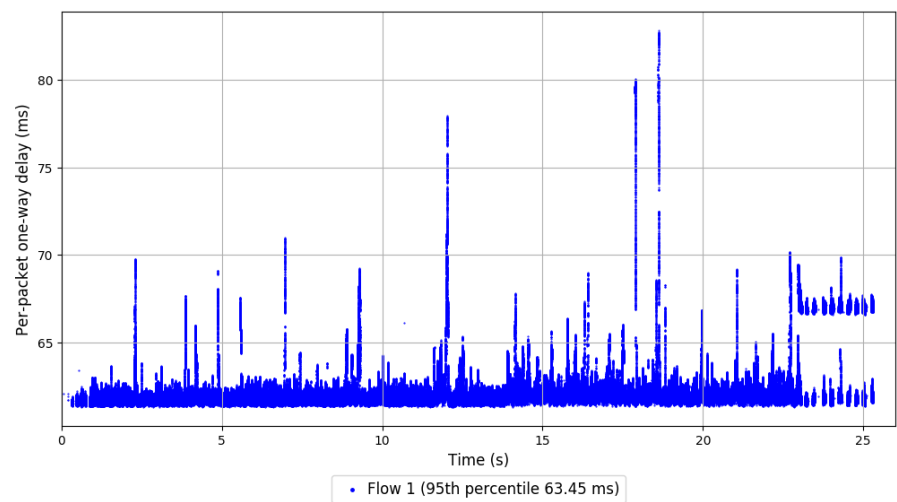
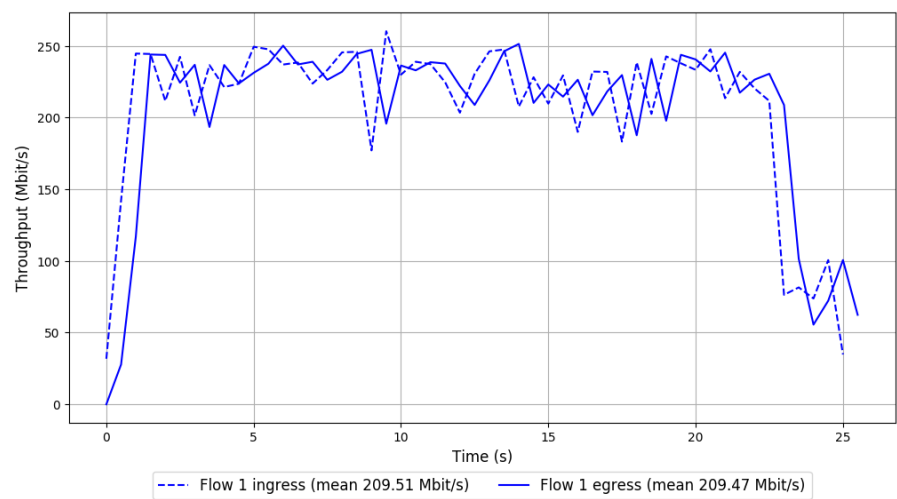
-- Flow 1:

Average throughput: 209.47 Mbit/s

95th percentile per-packet one-way delay: 63.450 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-05-22 21:21:10

End at: 2018-05-22 21:21:40

Local clock offset: -0.403 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-05-22 23:15:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.74 Mbit/s

95th percentile per-packet one-way delay: 67.489 ms

Loss rate: 0.02%

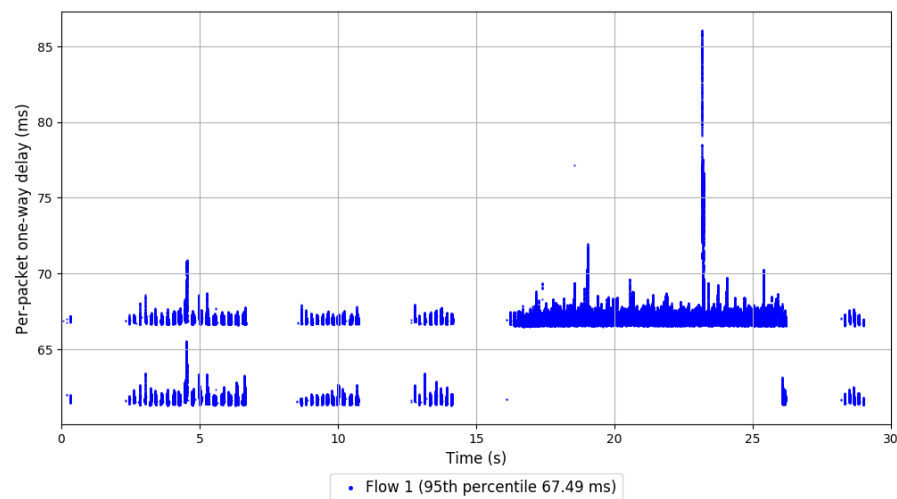
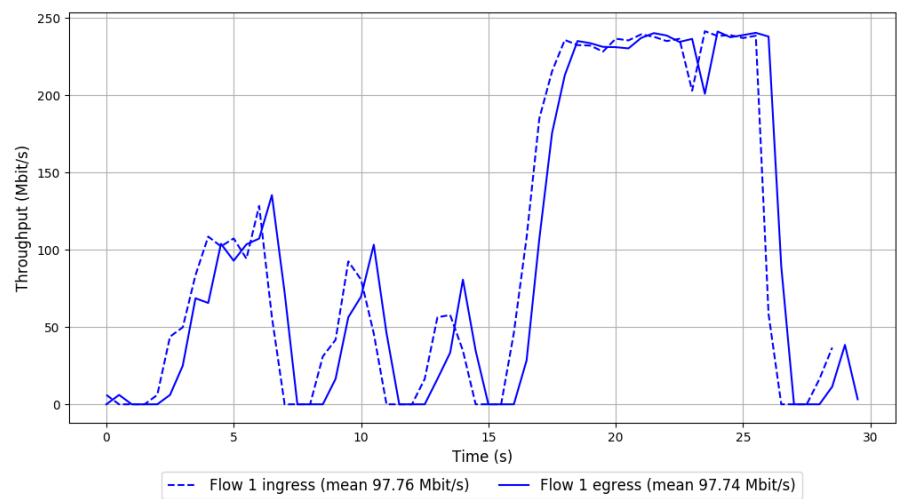
-- Flow 1:

Average throughput: 97.74 Mbit/s

95th percentile per-packet one-way delay: 67.489 ms

Loss rate: 0.02%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-05-22 21:41:04

End at: 2018-05-22 21:41:34

Local clock offset: 0.058 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-05-22 23:15:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.61 Mbit/s

95th percentile per-packet one-way delay: 73.498 ms

Loss rate: 0.01%

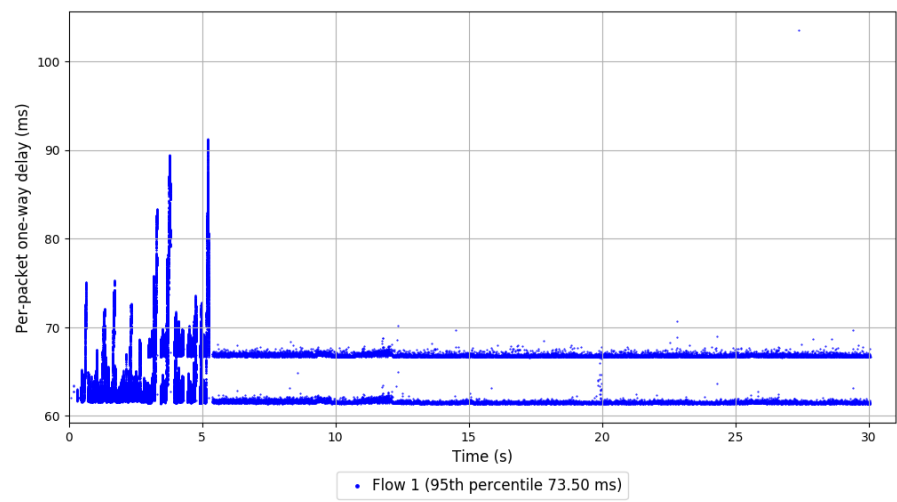
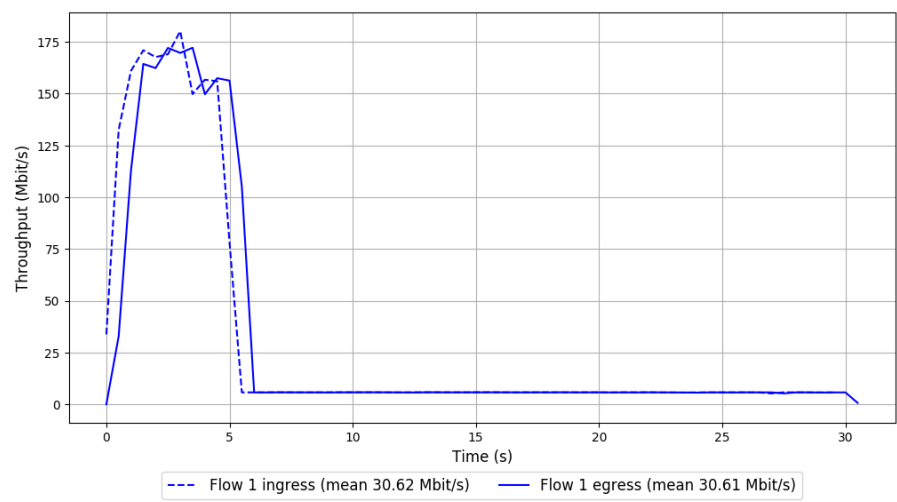
-- Flow 1:

Average throughput: 30.61 Mbit/s

95th percentile per-packet one-way delay: 73.498 ms

Loss rate: 0.01%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-05-22 18:49:16

End at: 2018-05-22 18:49:46

Local clock offset: -0.007 ms

Remote clock offset: 0.18 ms

Below is generated by plot.py at 2018-05-22 23:15:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.40 Mbit/s

95th percentile per-packet one-way delay: 62.912 ms

Loss rate: 0.00%

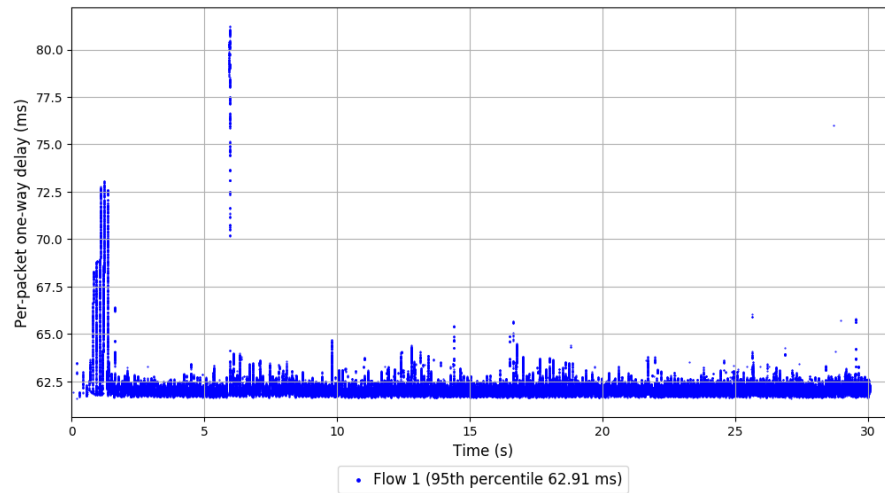
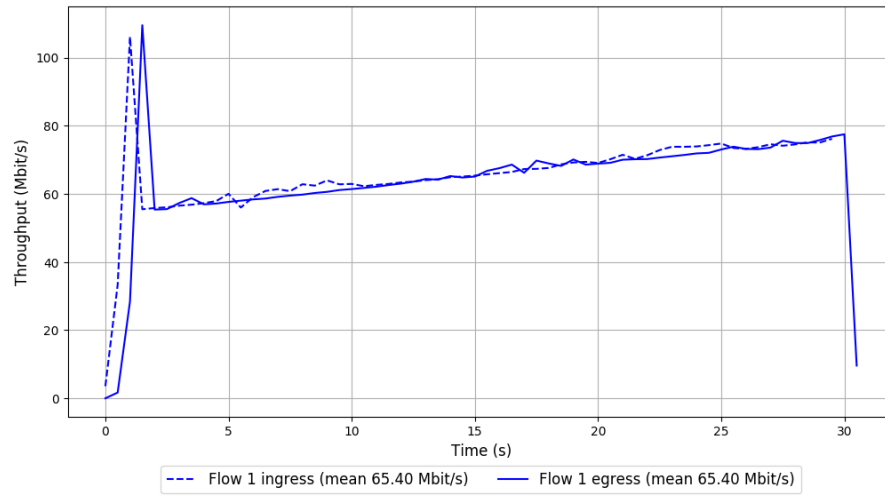
-- Flow 1:

Average throughput: 65.40 Mbit/s

95th percentile per-packet one-way delay: 62.912 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

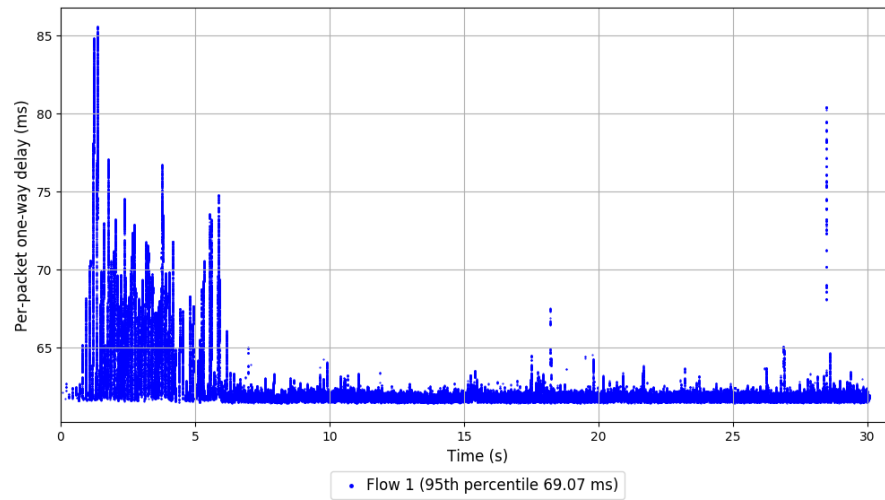
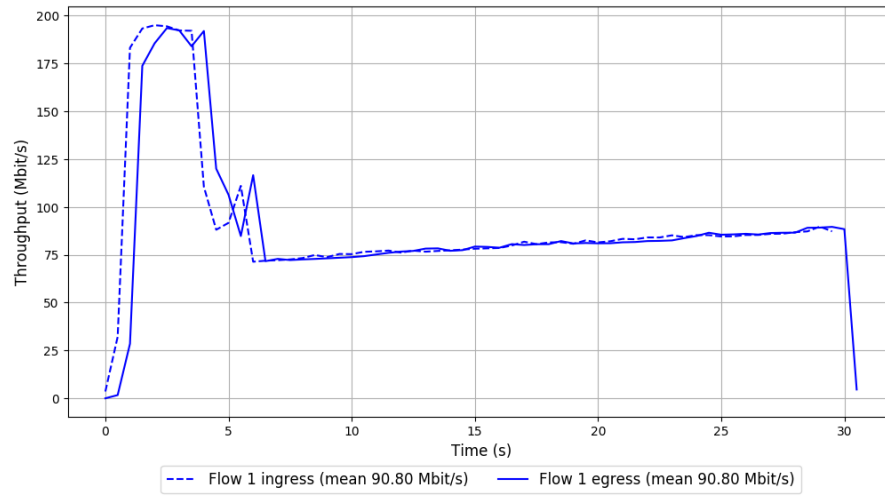


Run 2: Statistics of TCP Vegas

Start at: 2018-05-22 19:09:30
End at: 2018-05-22 19:10:00
Local clock offset: 0.01 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-05-22 23:15:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.80 Mbit/s
95th percentile per-packet one-way delay: 69.070 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.80 Mbit/s
95th percentile per-packet one-way delay: 69.070 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

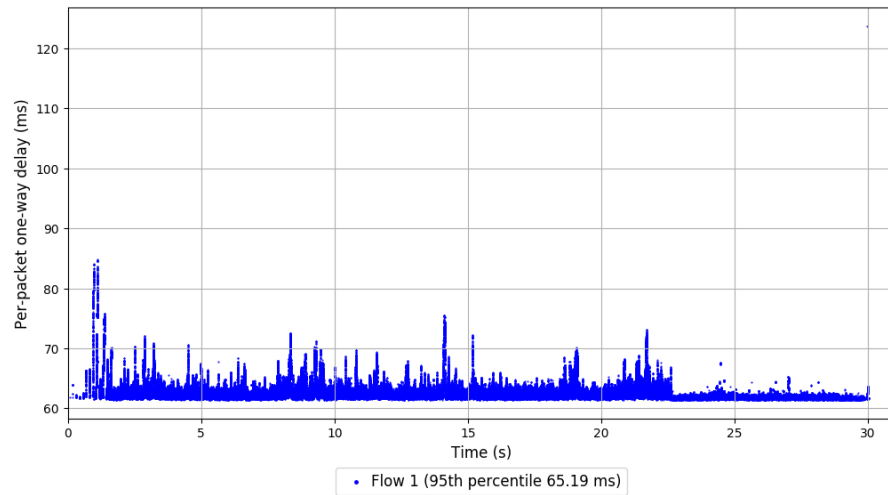
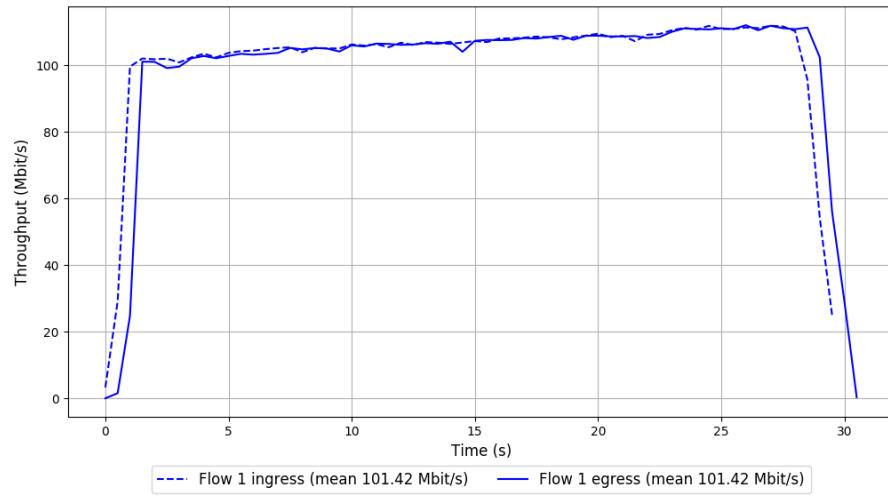


Run 3: Statistics of TCP Vegas

Start at: 2018-05-22 19:29:37
End at: 2018-05-22 19:30:07
Local clock offset: 0.021 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-05-22 23:15:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 101.42 Mbit/s
95th percentile per-packet one-way delay: 65.195 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 101.42 Mbit/s
95th percentile per-packet one-way delay: 65.195 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

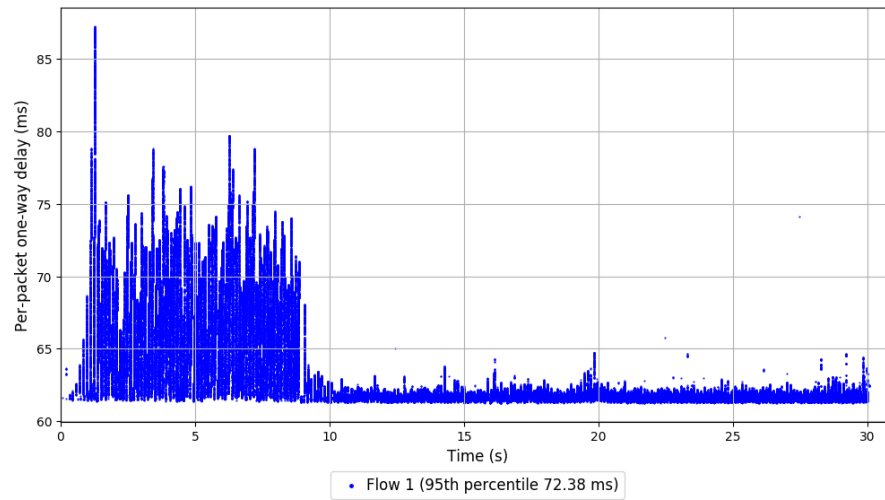
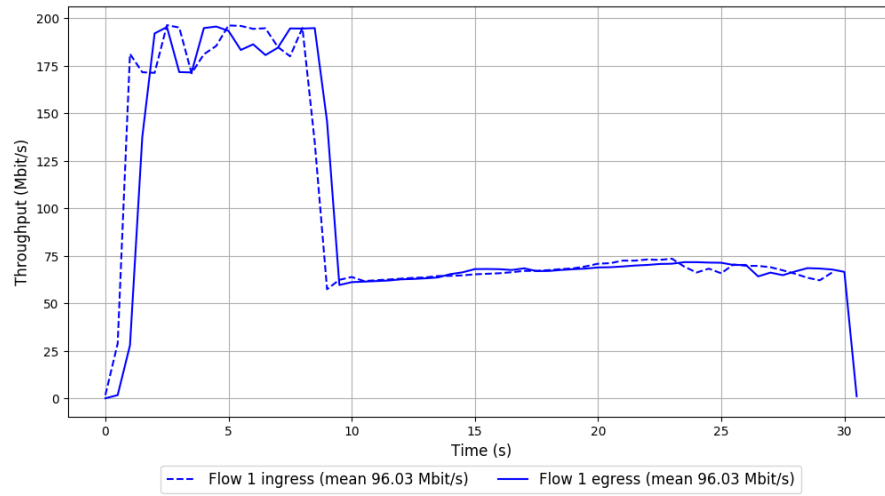


Run 4: Statistics of TCP Vegas

Start at: 2018-05-22 19:49:42
End at: 2018-05-22 19:50:12
Local clock offset: -0.076 ms
Remote clock offset: -0.152 ms

Below is generated by plot.py at 2018-05-22 23:15:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 72.379 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 72.379 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-05-22 20:09:58

End at: 2018-05-22 20:10:28

Local clock offset: -0.232 ms

Remote clock offset: 0.179 ms

Below is generated by plot.py at 2018-05-22 23:15:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.59 Mbit/s

95th percentile per-packet one-way delay: 62.655 ms

Loss rate: 0.00%

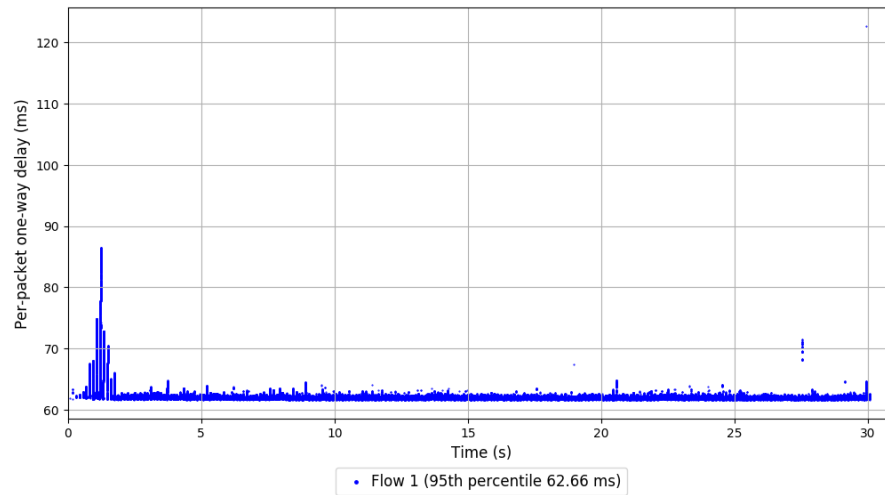
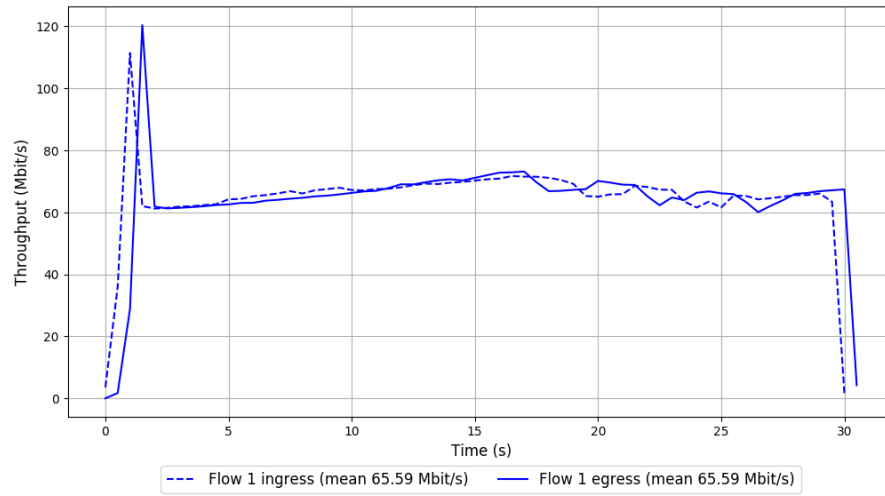
-- Flow 1:

Average throughput: 65.59 Mbit/s

95th percentile per-packet one-way delay: 62.655 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-05-22 20:29:50

End at: 2018-05-22 20:30:20

Local clock offset: -0.288 ms

Remote clock offset: 0.184 ms

Below is generated by plot.py at 2018-05-22 23:15:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 142.81 Mbit/s

95th percentile per-packet one-way delay: 71.701 ms

Loss rate: 0.00%

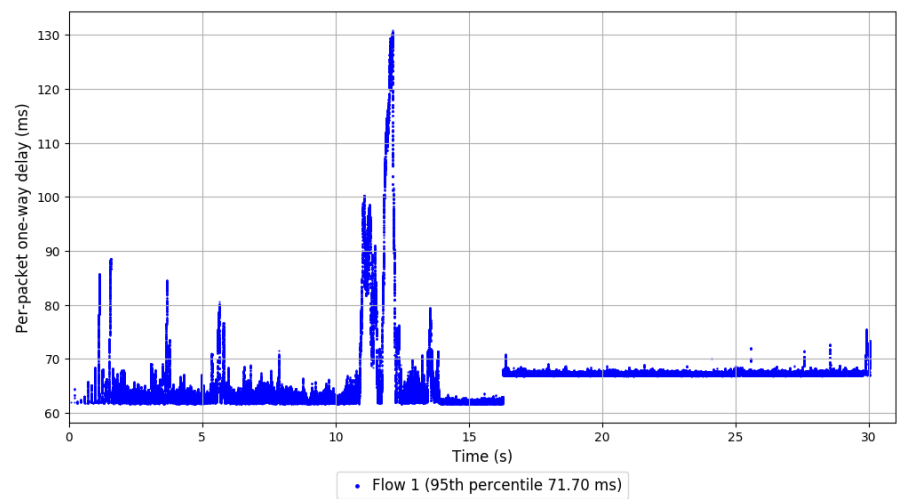
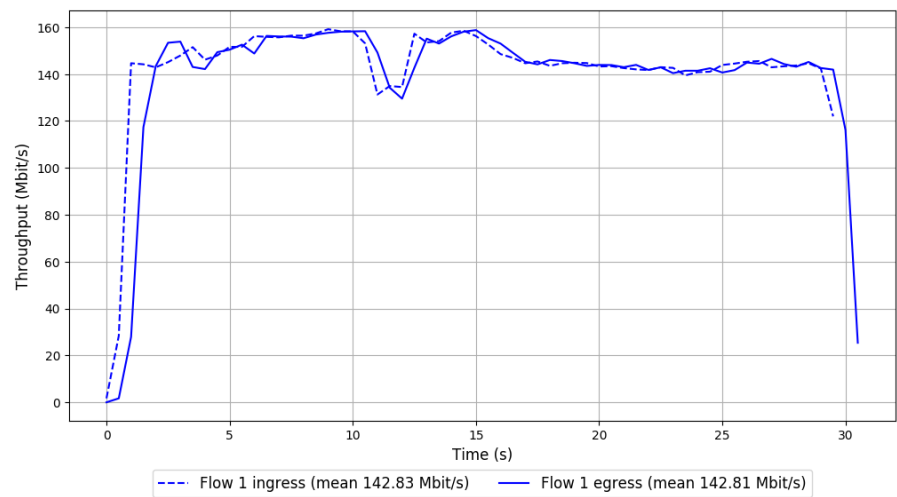
-- Flow 1:

Average throughput: 142.81 Mbit/s

95th percentile per-packet one-way delay: 71.701 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

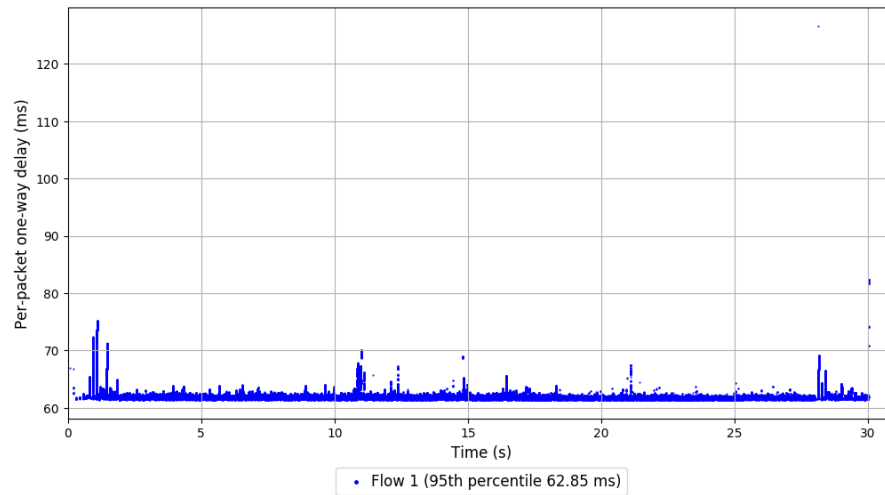
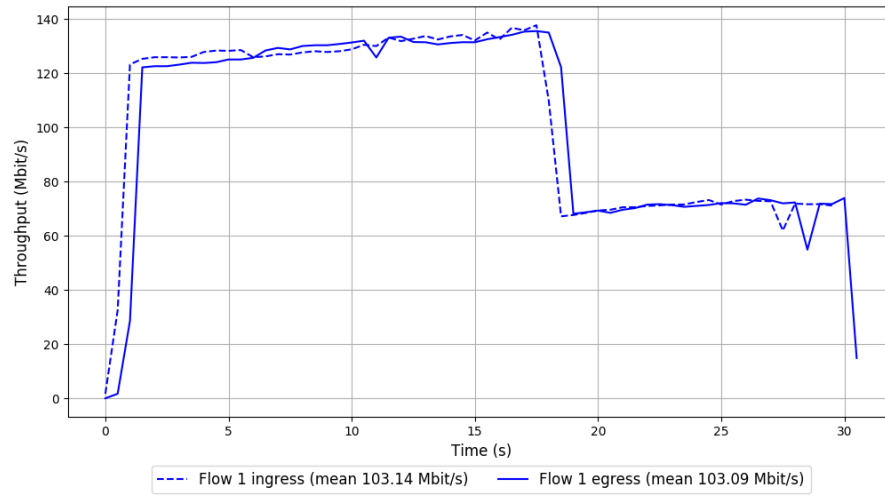


Run 7: Statistics of TCP Vegas

Start at: 2018-05-22 20:50:01
End at: 2018-05-22 20:50:31
Local clock offset: -0.373 ms
Remote clock offset: 0.087 ms

Below is generated by plot.py at 2018-05-22 23:15:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 103.09 Mbit/s
95th percentile per-packet one-way delay: 62.849 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 103.09 Mbit/s
95th percentile per-packet one-way delay: 62.849 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-05-22 21:10:01

End at: 2018-05-22 21:10:31

Local clock offset: -0.399 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-05-22 23:15:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.76 Mbit/s

95th percentile per-packet one-way delay: 67.337 ms

Loss rate: 0.03%

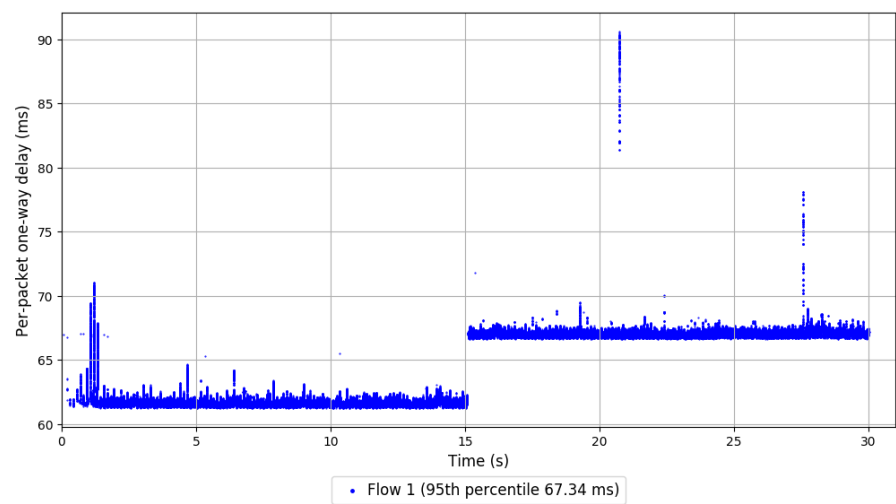
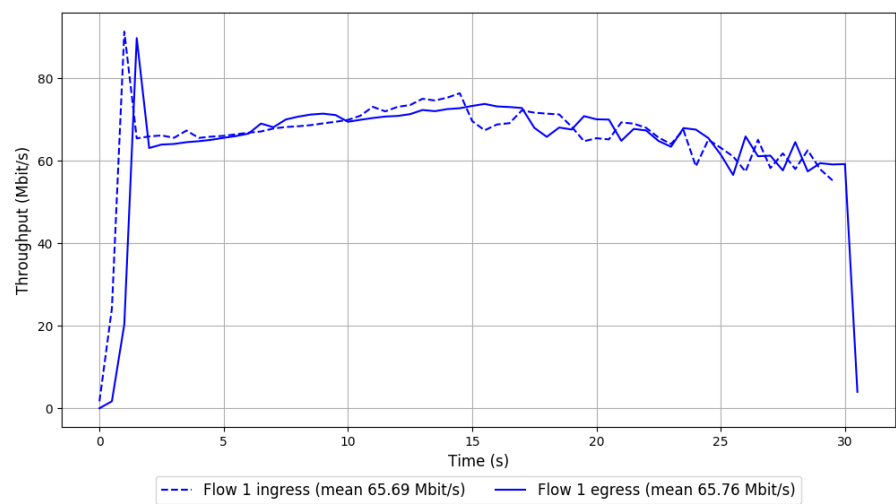
-- Flow 1:

Average throughput: 65.76 Mbit/s

95th percentile per-packet one-way delay: 67.337 ms

Loss rate: 0.03%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-05-22 21:29:55

End at: 2018-05-22 21:30:25

Local clock offset: -0.157 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-05-22 23:15:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.75 Mbit/s

95th percentile per-packet one-way delay: 72.877 ms

Loss rate: 0.00%

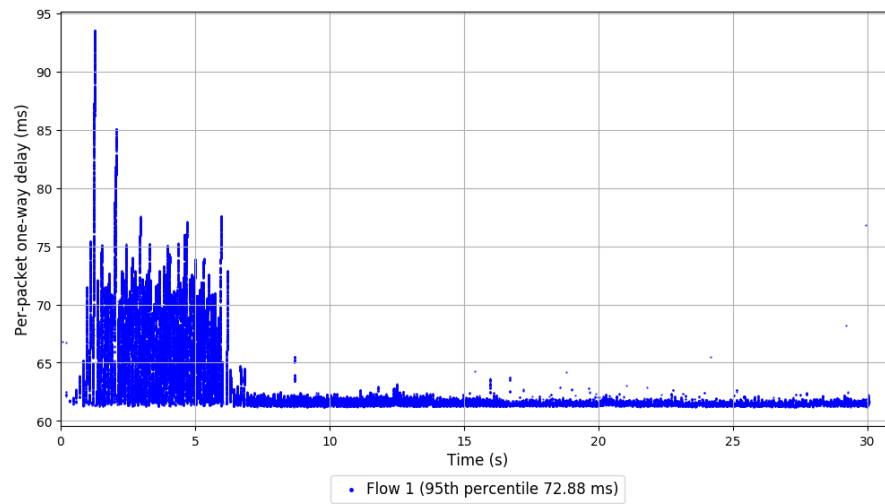
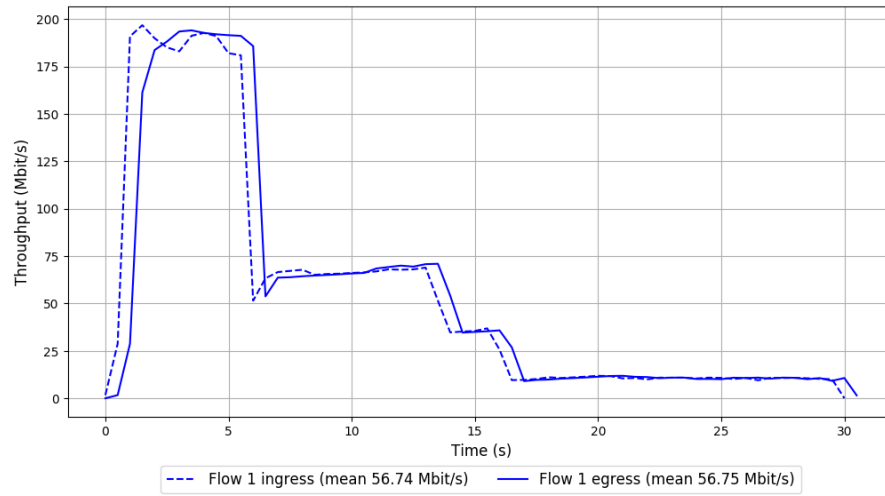
-- Flow 1:

Average throughput: 56.75 Mbit/s

95th percentile per-packet one-way delay: 72.877 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-05-22 21:49:43

End at: 2018-05-22 21:50:13

Local clock offset: 0.174 ms

Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-05-22 23:15:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.92 Mbit/s

95th percentile per-packet one-way delay: 62.960 ms

Loss rate: 0.00%

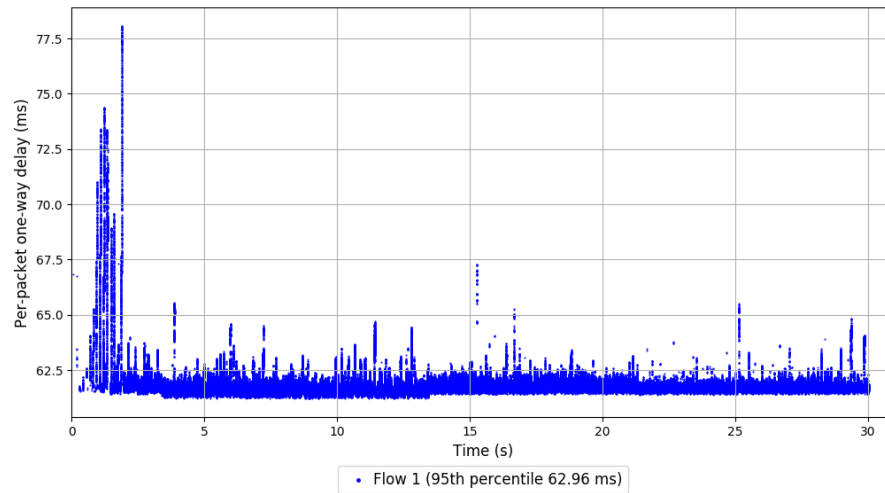
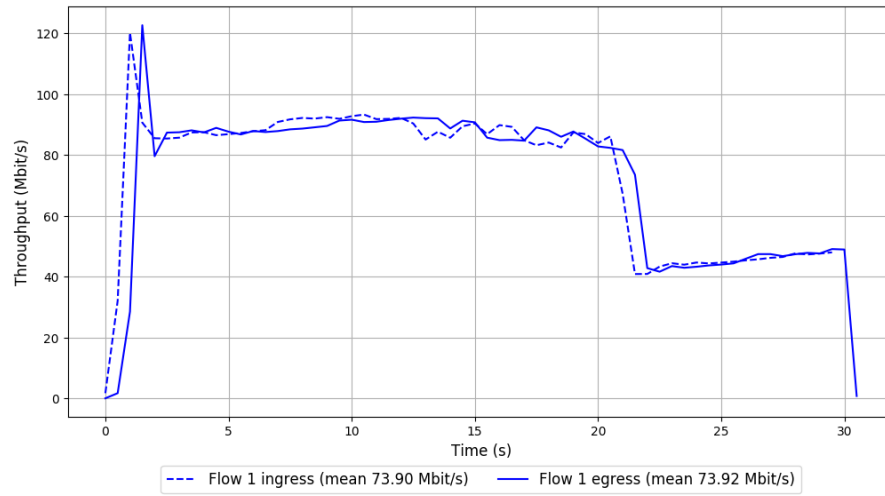
-- Flow 1:

Average throughput: 73.92 Mbit/s

95th percentile per-packet one-way delay: 62.960 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-05-22 18:51:44

End at: 2018-05-22 18:52:14

Local clock offset: 0.0 ms

Remote clock offset: -0.209 ms

Below is generated by plot.py at 2018-05-22 23:17:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 141.98 Mbit/s

95th percentile per-packet one-way delay: 98.984 ms

Loss rate: 0.00%

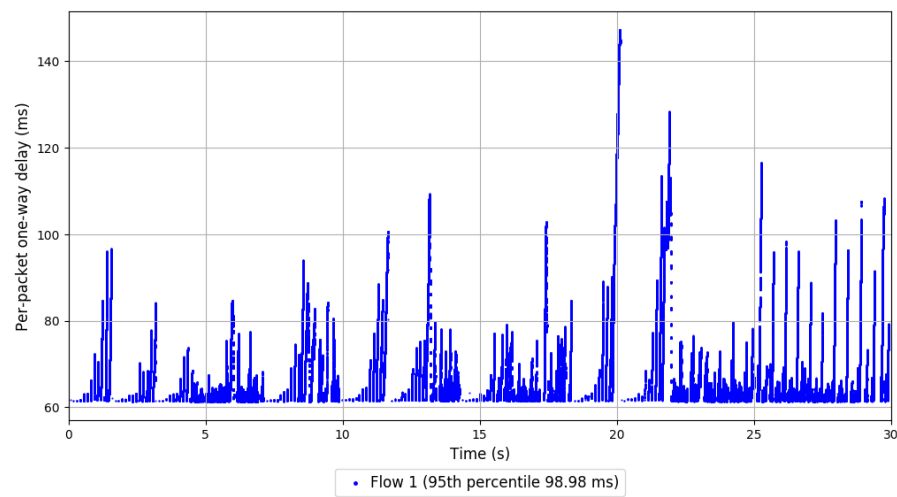
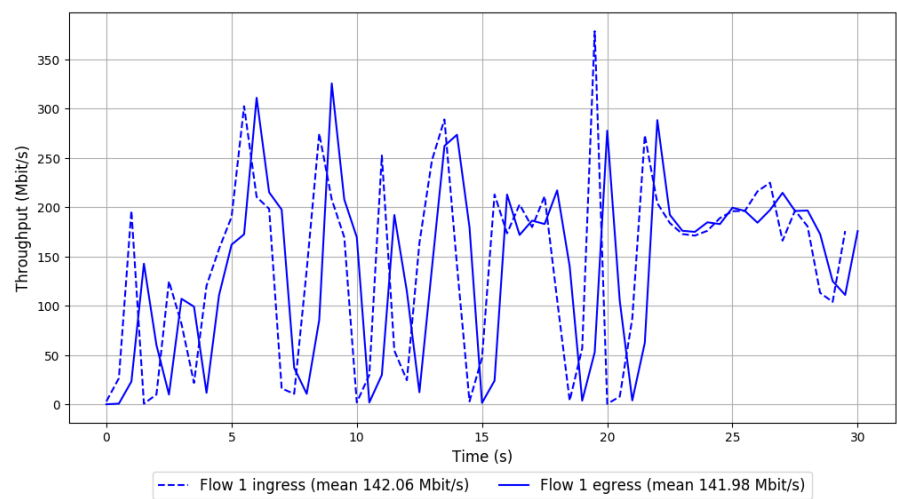
-- Flow 1:

Average throughput: 141.98 Mbit/s

95th percentile per-packet one-way delay: 98.984 ms

Loss rate: 0.00%

Run 1: Report of Verus — Data Link

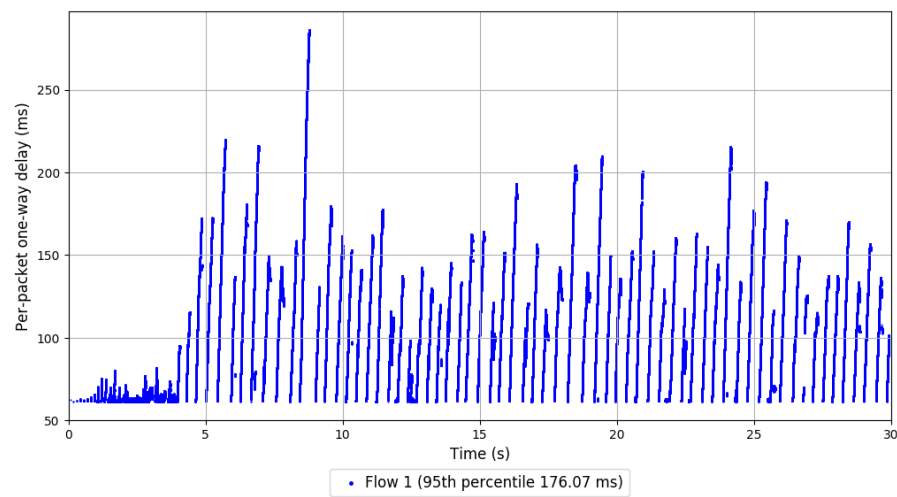
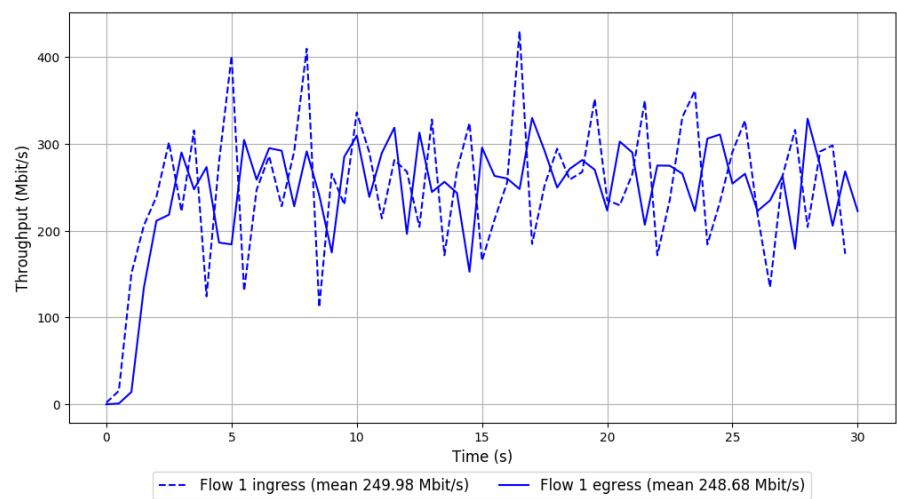


Run 2: Statistics of Verus

Start at: 2018-05-22 19:12:00
End at: 2018-05-22 19:12:30
Local clock offset: -0.035 ms
Remote clock offset: -0.147 ms

Below is generated by plot.py at 2018-05-22 23:20:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 248.68 Mbit/s
95th percentile per-packet one-way delay: 176.072 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 248.68 Mbit/s
95th percentile per-packet one-way delay: 176.072 ms
Loss rate: 0.52%

Run 2: Report of Verus — Data Link

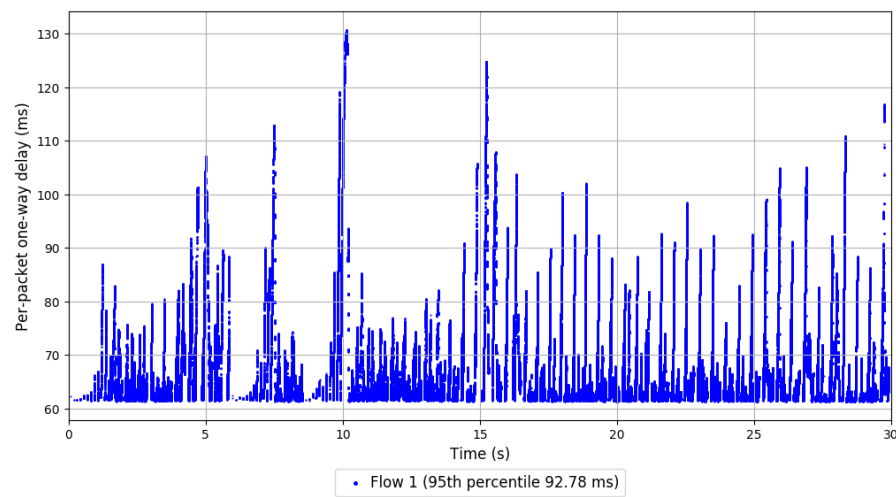
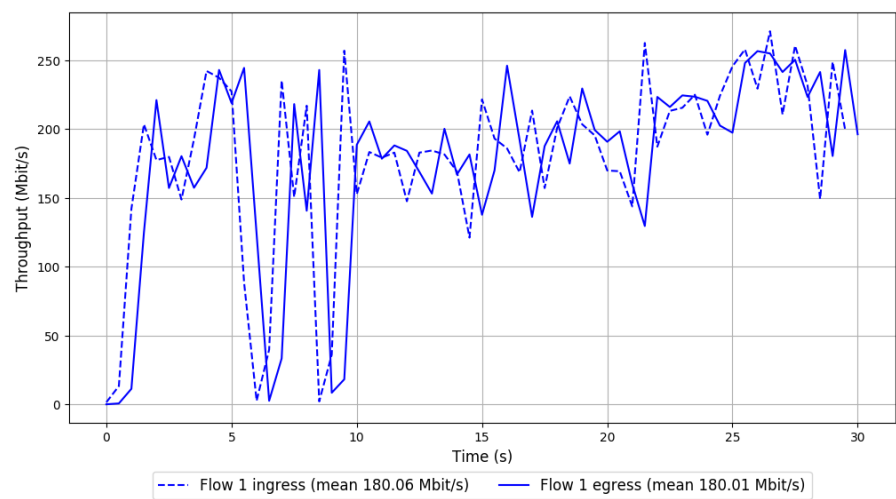


Run 3: Statistics of Verus

Start at: 2018-05-22 19:32:06
End at: 2018-05-22 19:32:36
Local clock offset: 0.017 ms
Remote clock offset: -0.223 ms

Below is generated by plot.py at 2018-05-22 23:20:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 180.01 Mbit/s
95th percentile per-packet one-way delay: 92.782 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 180.01 Mbit/s
95th percentile per-packet one-way delay: 92.782 ms
Loss rate: 0.03%

Run 3: Report of Verus — Data Link

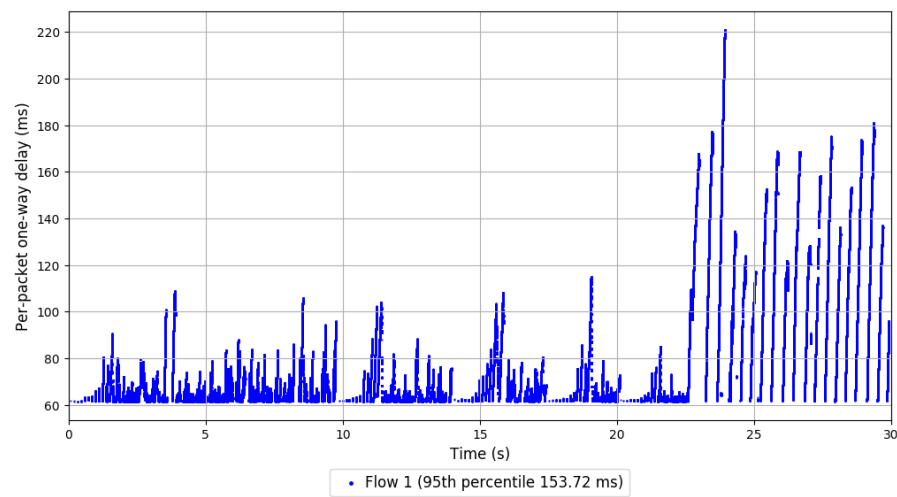
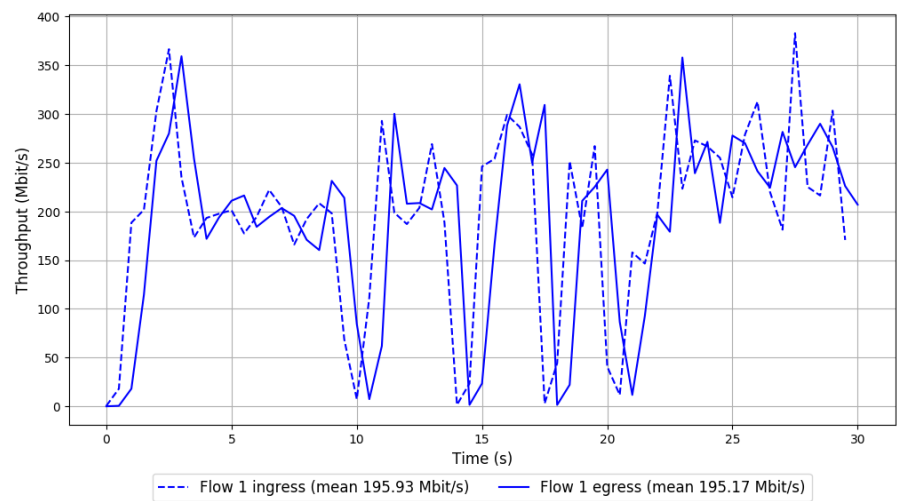


Run 4: Statistics of Verus

Start at: 2018-05-22 19:52:11
End at: 2018-05-22 19:52:41
Local clock offset: -0.154 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2018-05-22 23:20:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 195.17 Mbit/s
95th percentile per-packet one-way delay: 153.716 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 195.17 Mbit/s
95th percentile per-packet one-way delay: 153.716 ms
Loss rate: 0.36%

Run 4: Report of Verus — Data Link

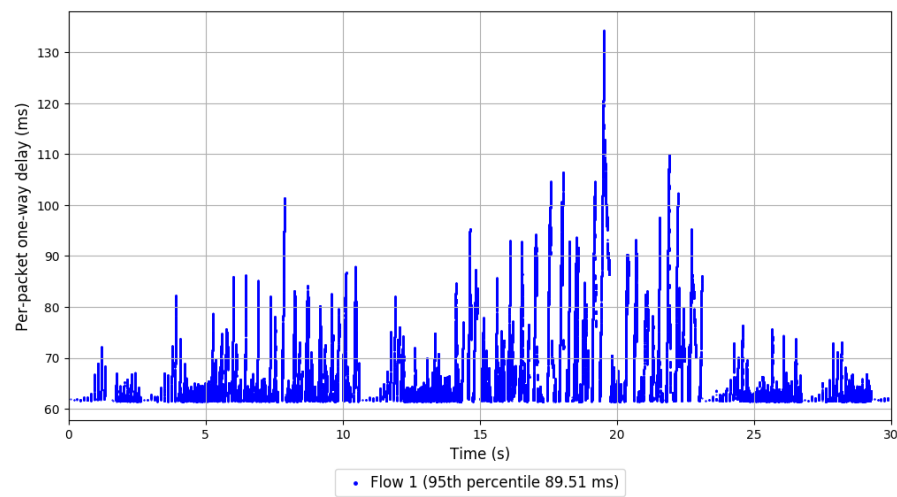
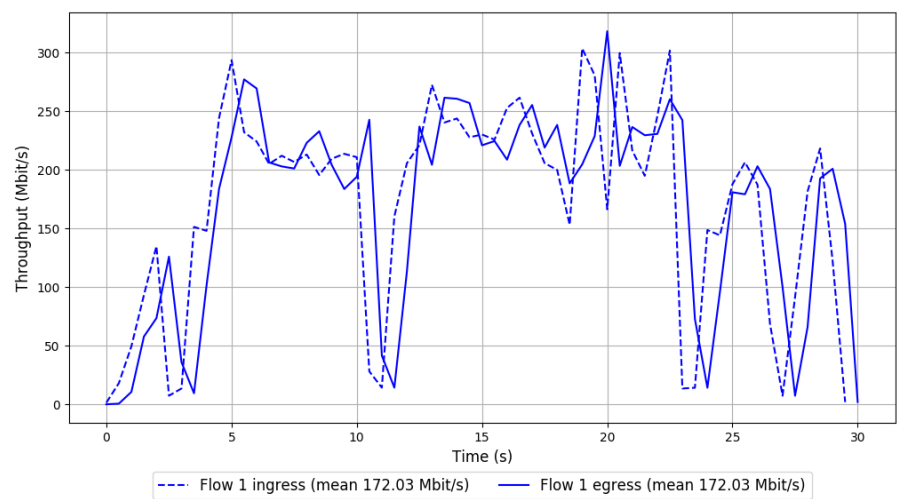


Run 5: Statistics of Verus

Start at: 2018-05-22 20:12:26
End at: 2018-05-22 20:12:56
Local clock offset: -0.321 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-05-22 23:20:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 172.03 Mbit/s
95th percentile per-packet one-way delay: 89.512 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 172.03 Mbit/s
95th percentile per-packet one-way delay: 89.512 ms
Loss rate: 0.00%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-05-22 20:32:22

End at: 2018-05-22 20:32:52

Local clock offset: -0.358 ms

Remote clock offset: 0.268 ms

Below is generated by plot.py at 2018-05-22 23:20:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.09 Mbit/s

95th percentile per-packet one-way delay: 143.275 ms

Loss rate: 0.28%

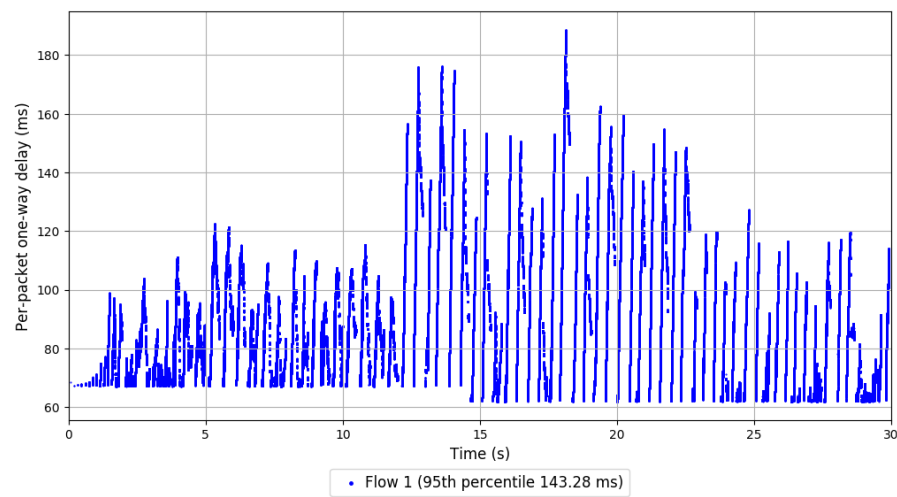
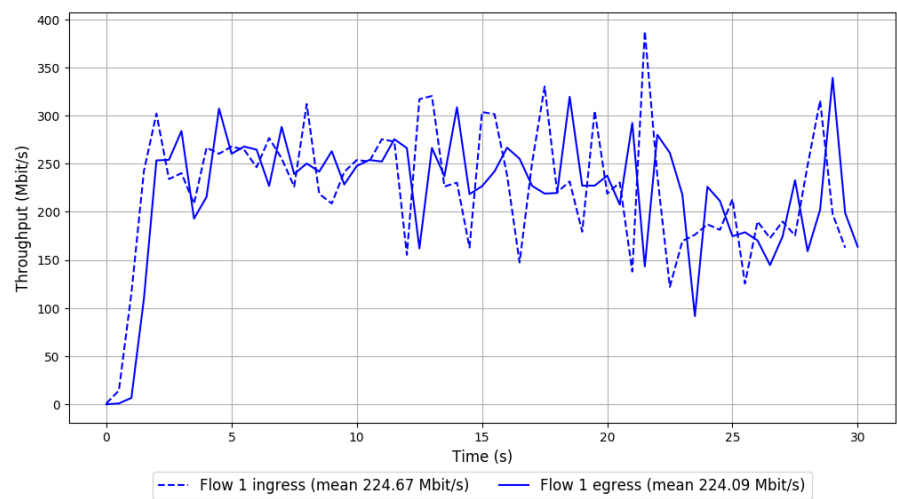
-- Flow 1:

Average throughput: 224.09 Mbit/s

95th percentile per-packet one-way delay: 143.275 ms

Loss rate: 0.28%

Run 6: Report of Verus — Data Link

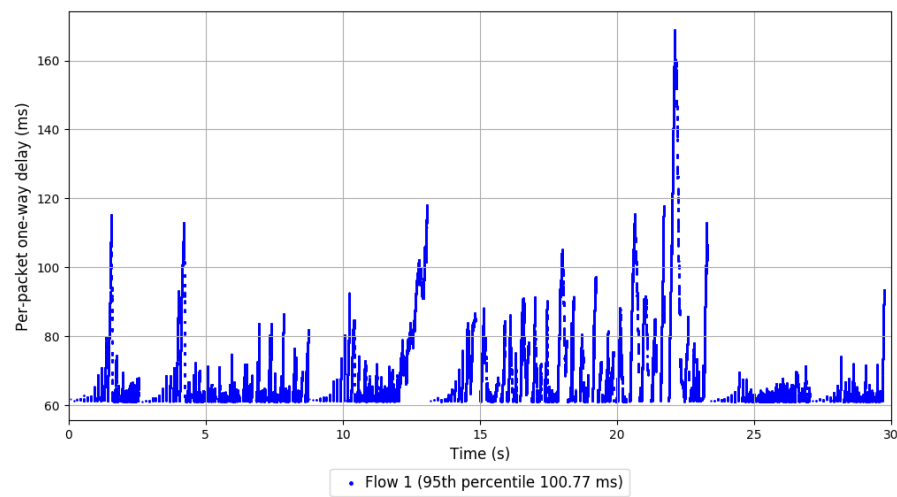
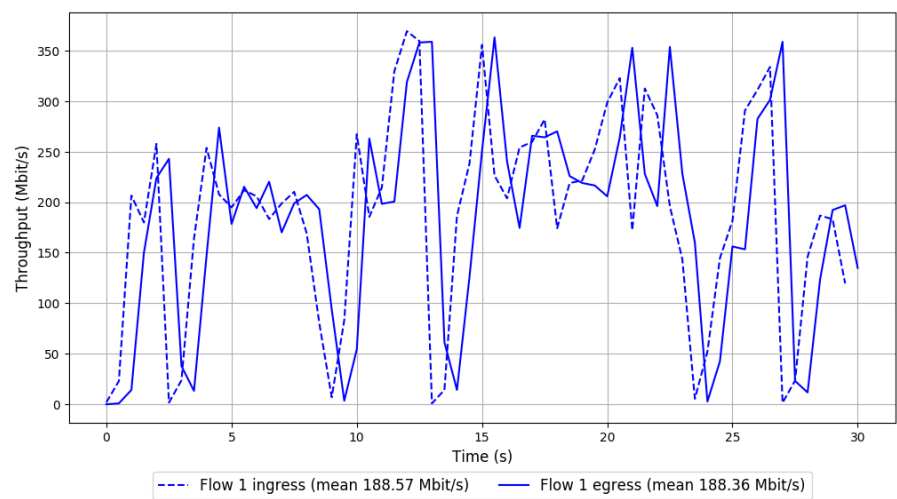


Run 7: Statistics of Verus

Start at: 2018-05-22 20:52:30
End at: 2018-05-22 20:53:00
Local clock offset: -0.352 ms
Remote clock offset: -0.255 ms

Below is generated by plot.py at 2018-05-22 23:20:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 188.36 Mbit/s
95th percentile per-packet one-way delay: 100.765 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 188.36 Mbit/s
95th percentile per-packet one-way delay: 100.765 ms
Loss rate: 0.00%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-05-22 21:12:29

End at: 2018-05-22 21:12:59

Local clock offset: -0.422 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2018-05-22 23:20:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 203.75 Mbit/s

95th percentile per-packet one-way delay: 112.636 ms

Loss rate: 0.00%

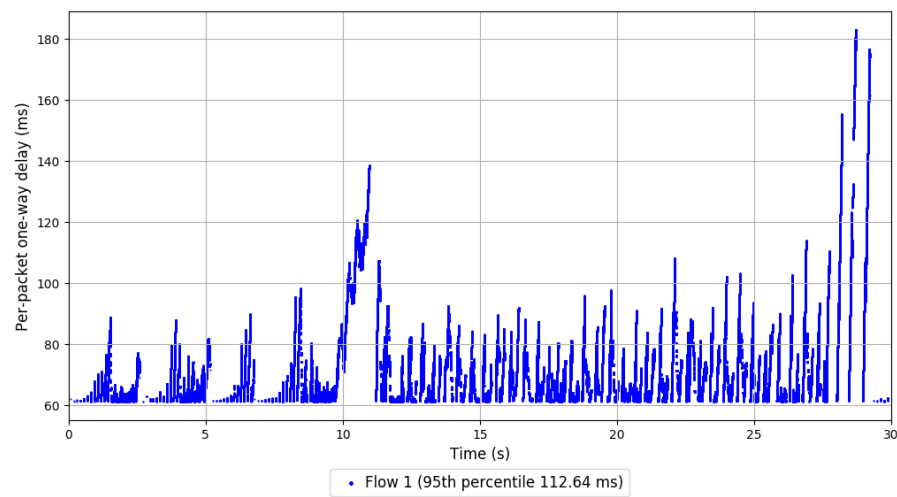
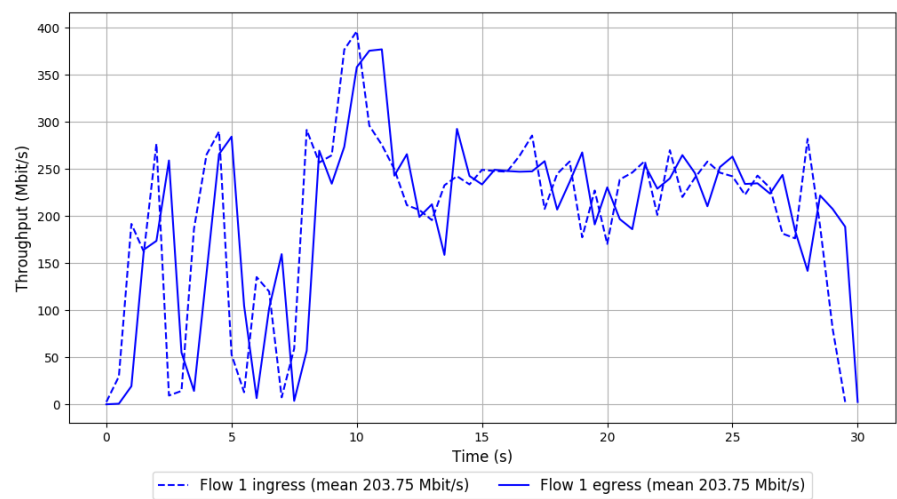
-- Flow 1:

Average throughput: 203.75 Mbit/s

95th percentile per-packet one-way delay: 112.636 ms

Loss rate: 0.00%

Run 8: Report of Verus — Data Link

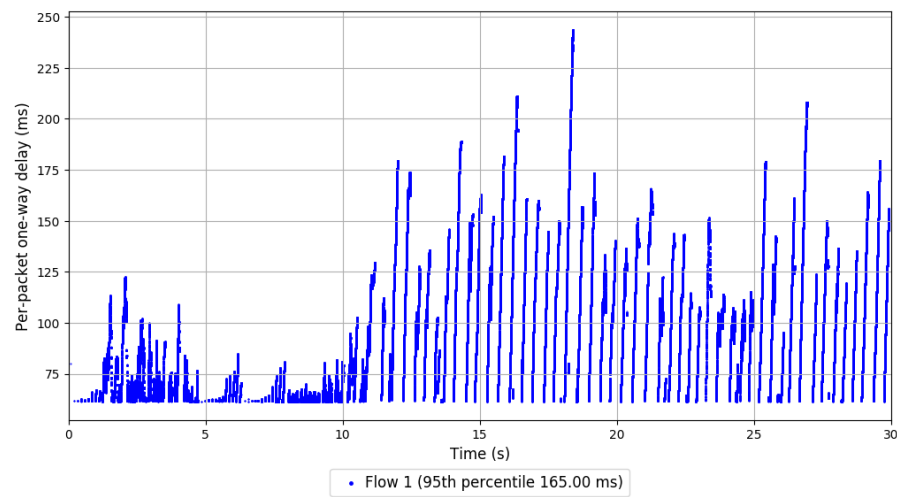
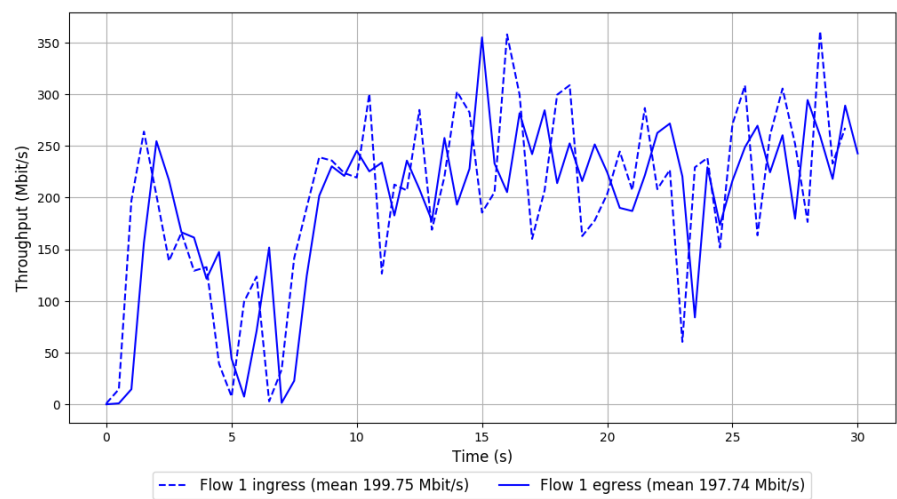


Run 9: Statistics of Verus

Start at: 2018-05-22 21:32:22
End at: 2018-05-22 21:32:52
Local clock offset: -0.163 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-05-22 23:21:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 197.74 Mbit/s
95th percentile per-packet one-way delay: 164.999 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 197.74 Mbit/s
95th percentile per-packet one-way delay: 164.999 ms
Loss rate: 1.00%

Run 9: Report of Verus — Data Link

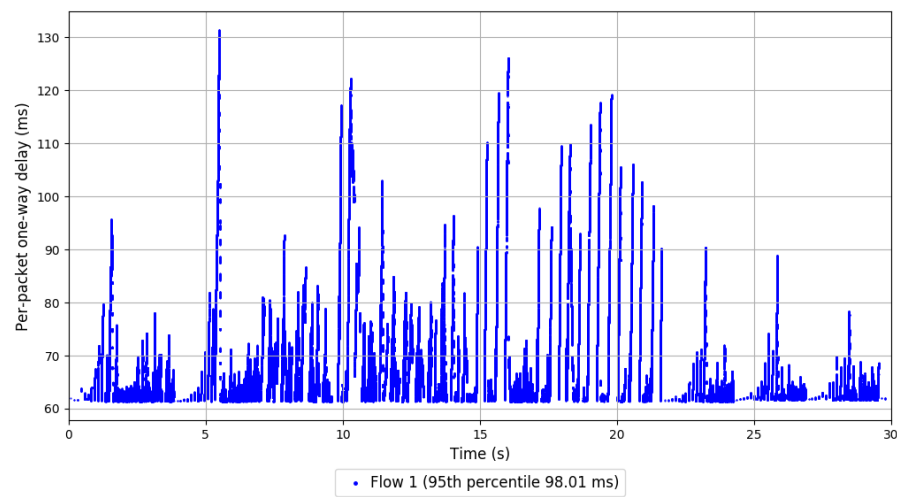
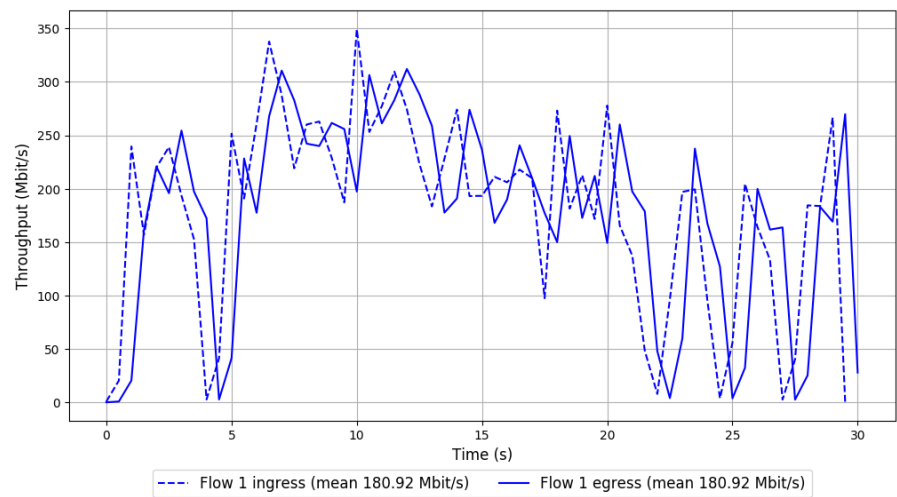


Run 10: Statistics of Verus

Start at: 2018-05-22 21:52:12
End at: 2018-05-22 21:52:42
Local clock offset: 0.188 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-05-22 23:22:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 180.92 Mbit/s
95th percentile per-packet one-way delay: 98.012 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 180.92 Mbit/s
95th percentile per-packet one-way delay: 98.012 ms
Loss rate: 0.00%

Run 10: Report of Verus — Data Link

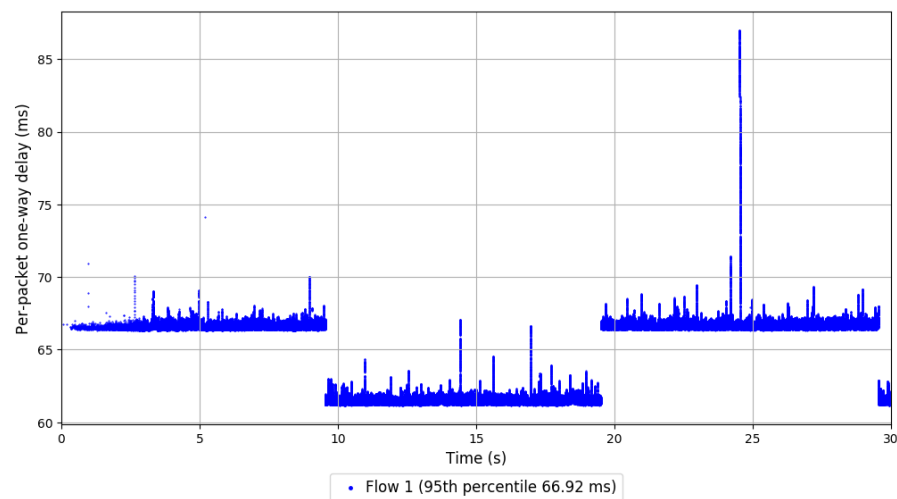
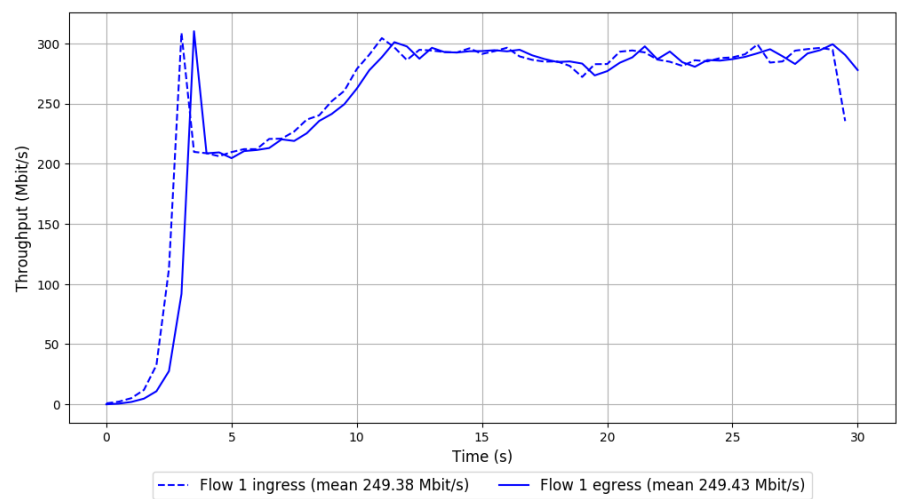


Run 1: Statistics of PCC-Vivace

Start at: 2018-05-22 18:58:57
End at: 2018-05-22 18:59:27
Local clock offset: -0.076 ms
Remote clock offset: -0.314 ms

Below is generated by plot.py at 2018-05-22 23:24:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 249.43 Mbit/s
95th percentile per-packet one-way delay: 66.924 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 249.43 Mbit/s
95th percentile per-packet one-way delay: 66.924 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

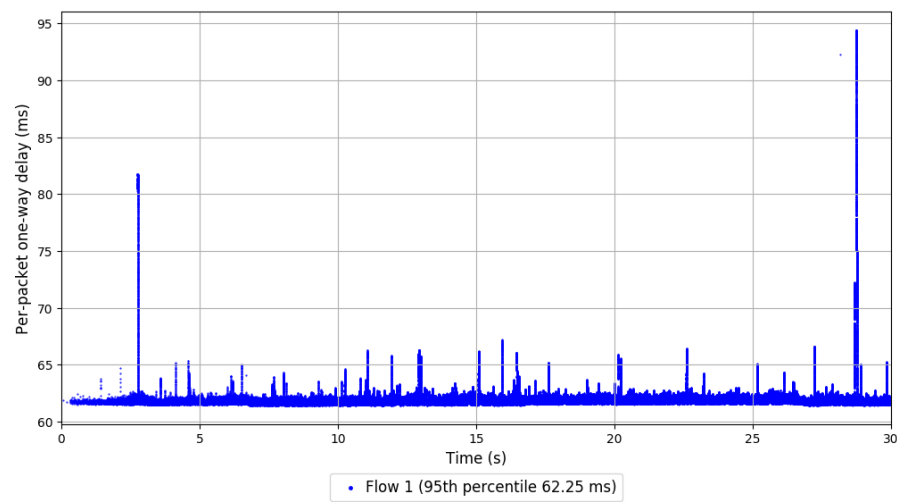
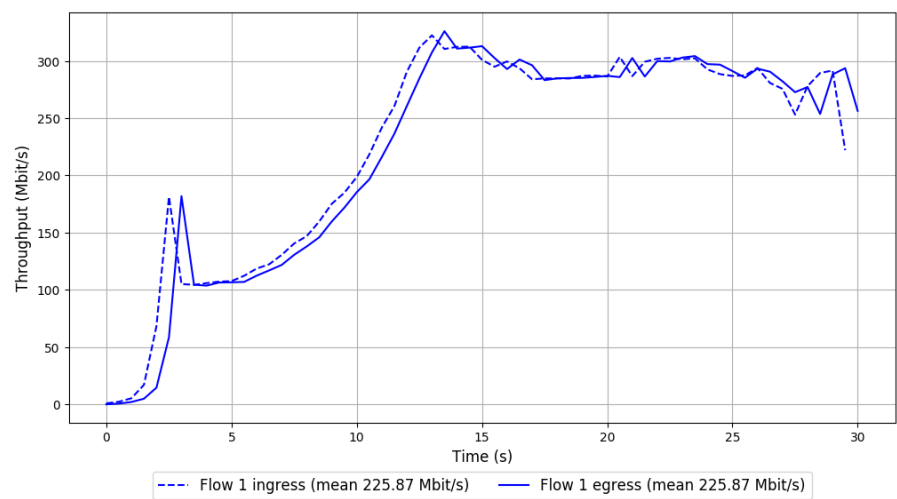


Run 2: Statistics of PCC-Vivace

Start at: 2018-05-22 19:19:20
End at: 2018-05-22 19:19:50
Local clock offset: -0.052 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-05-22 23:24:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 225.87 Mbit/s
95th percentile per-packet one-way delay: 62.253 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 225.87 Mbit/s
95th percentile per-packet one-way delay: 62.253 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-05-22 19:39:18

End at: 2018-05-22 19:39:48

Local clock offset: 0.049 ms

Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-05-22 23:25:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 238.50 Mbit/s

95th percentile per-packet one-way delay: 63.042 ms

Loss rate: 0.00%

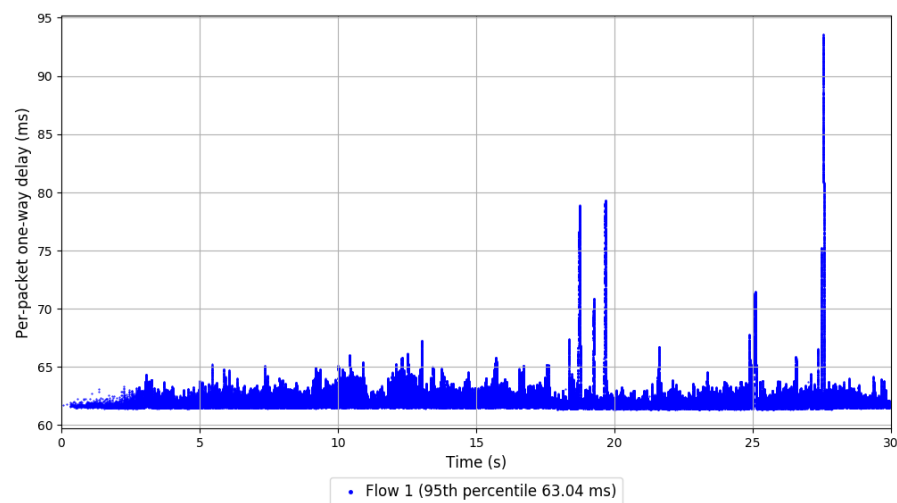
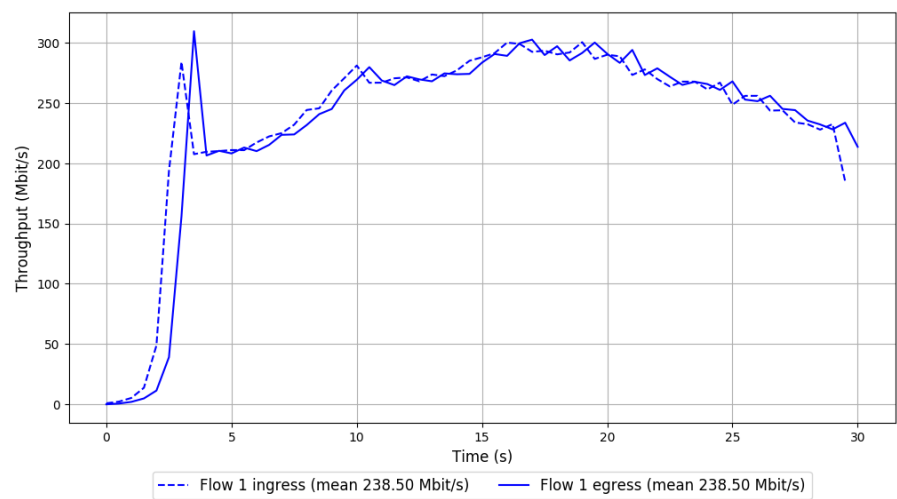
-- Flow 1:

Average throughput: 238.50 Mbit/s

95th percentile per-packet one-way delay: 63.042 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

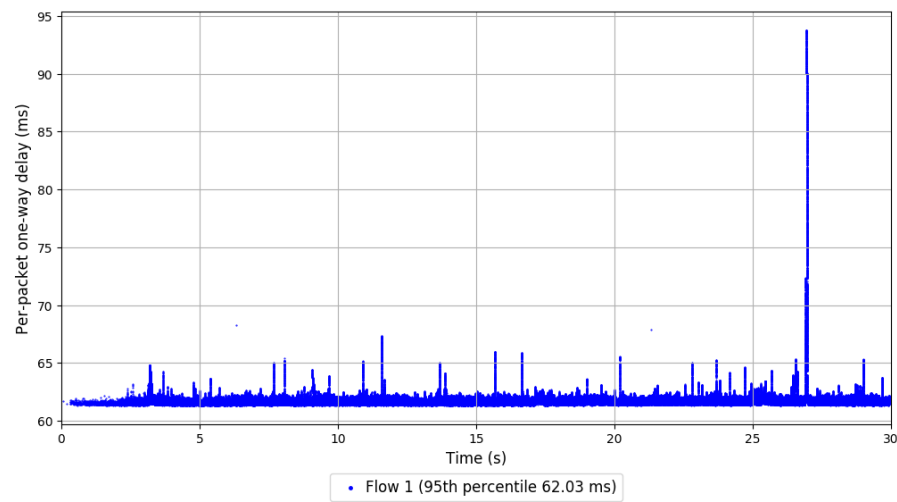
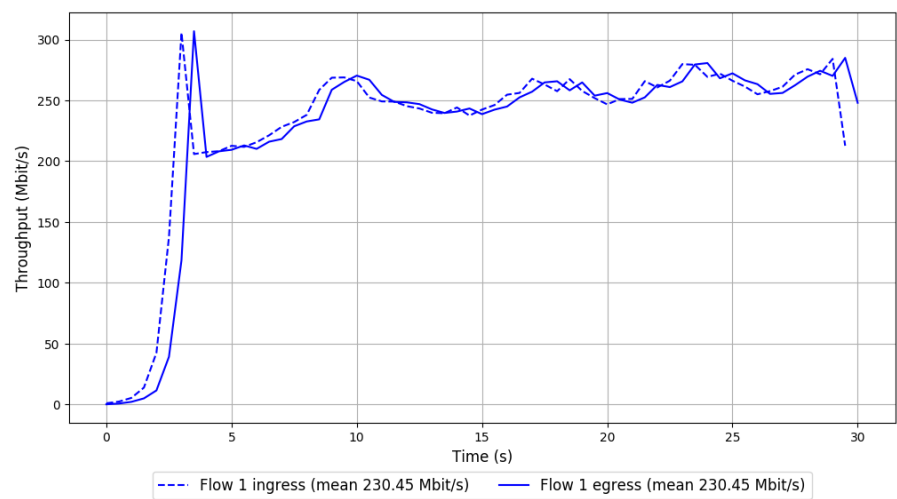


Run 4: Statistics of PCC-Vivace

Start at: 2018-05-22 19:59:28
End at: 2018-05-22 19:59:58
Local clock offset: -0.203 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-05-22 23:25:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 230.45 Mbit/s
95th percentile per-packet one-way delay: 62.028 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 230.45 Mbit/s
95th percentile per-packet one-way delay: 62.028 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-05-22 20:19:38

End at: 2018-05-22 20:20:08

Local clock offset: -0.254 ms

Remote clock offset: 0.158 ms

Below is generated by plot.py at 2018-05-22 23:25:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.69 Mbit/s

95th percentile per-packet one-way delay: 66.702 ms

Loss rate: 0.01%

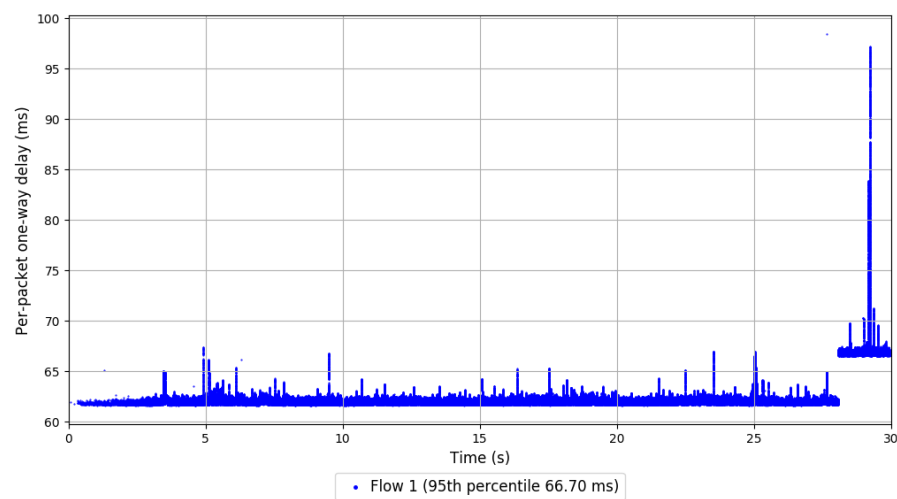
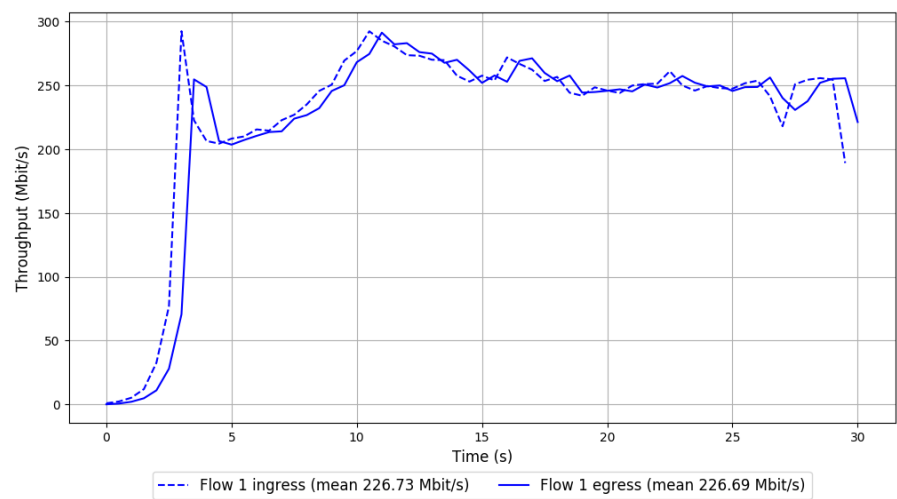
-- Flow 1:

Average throughput: 226.69 Mbit/s

95th percentile per-packet one-way delay: 66.702 ms

Loss rate: 0.01%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-05-22 20:39:35

End at: 2018-05-22 20:40:05

Local clock offset: -0.298 ms

Remote clock offset: 0.133 ms

Below is generated by plot.py at 2018-05-22 23:26:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 261.99 Mbit/s

95th percentile per-packet one-way delay: 67.637 ms

Loss rate: 0.02%

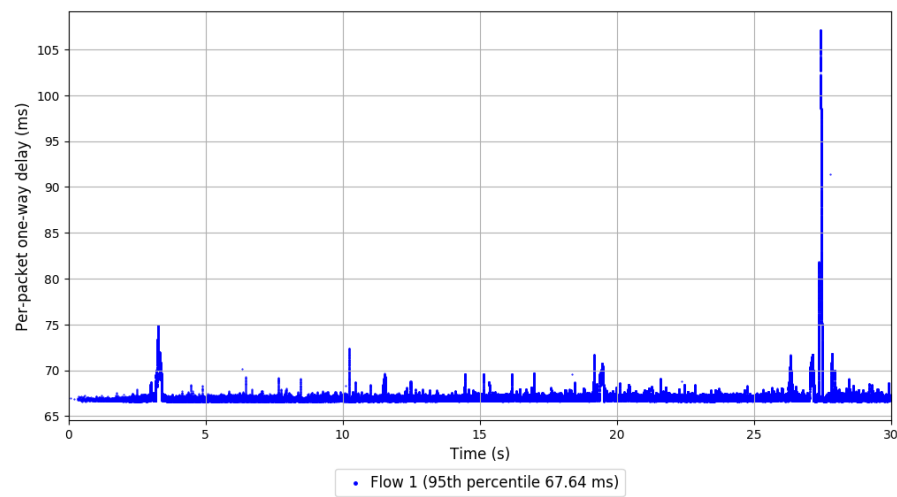
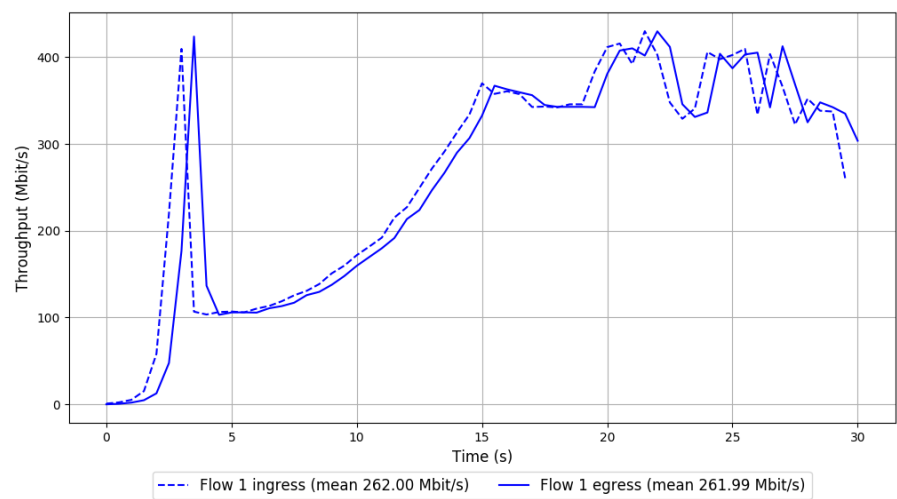
-- Flow 1:

Average throughput: 261.99 Mbit/s

95th percentile per-packet one-way delay: 67.637 ms

Loss rate: 0.02%

Run 6: Report of PCC-Vivace — Data Link

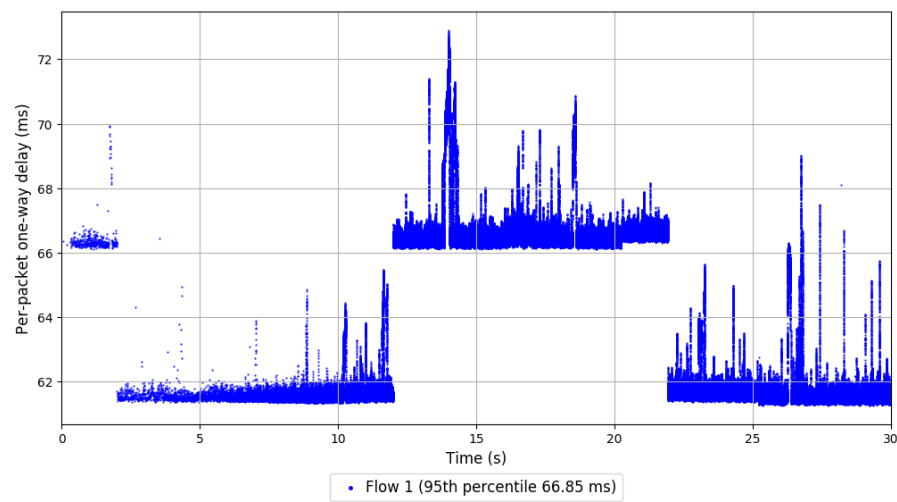
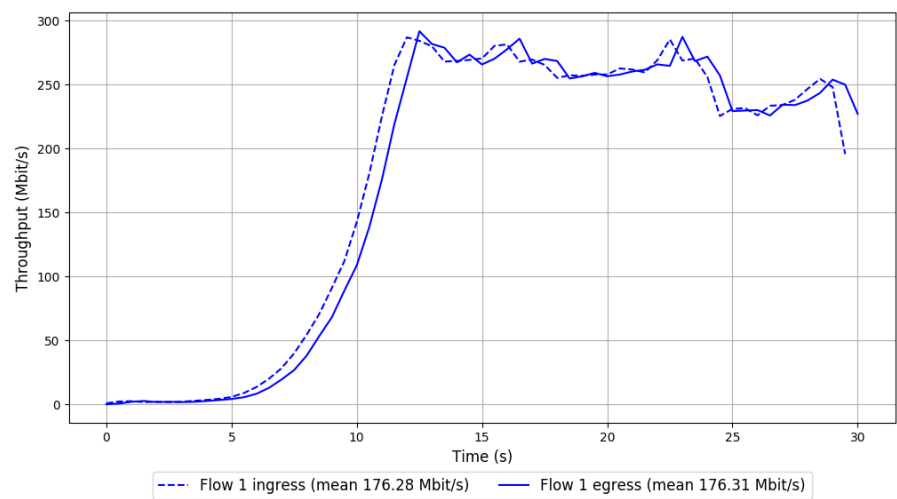


Run 7: Statistics of PCC-Vivace

Start at: 2018-05-22 20:59:44
End at: 2018-05-22 21:00:14
Local clock offset: -0.361 ms
Remote clock offset: -0.228 ms

Below is generated by plot.py at 2018-05-22 23:26:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 176.31 Mbit/s
95th percentile per-packet one-way delay: 66.850 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 176.31 Mbit/s
95th percentile per-packet one-way delay: 66.850 ms
Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-05-22 21:19:46

End at: 2018-05-22 21:20:16

Local clock offset: -0.486 ms

Remote clock offset: 0.24 ms

Below is generated by plot.py at 2018-05-22 23:26:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 251.19 Mbit/s

95th percentile per-packet one-way delay: 67.509 ms

Loss rate: 0.00%

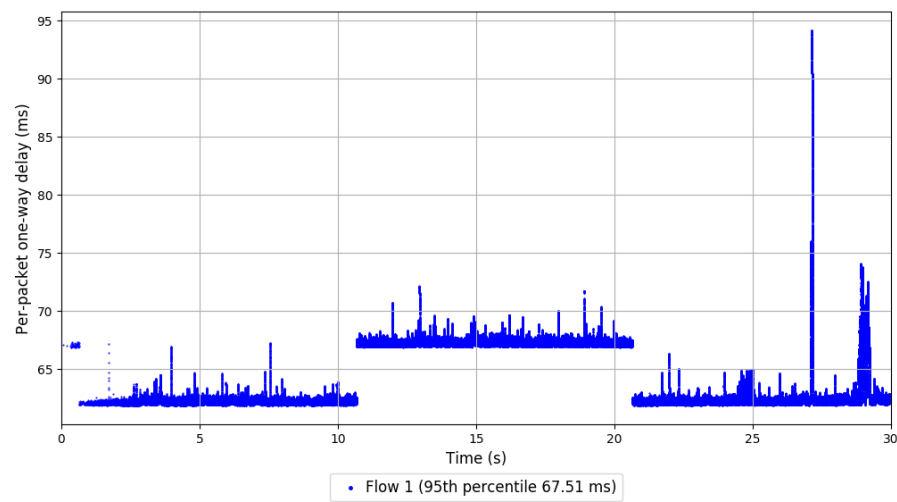
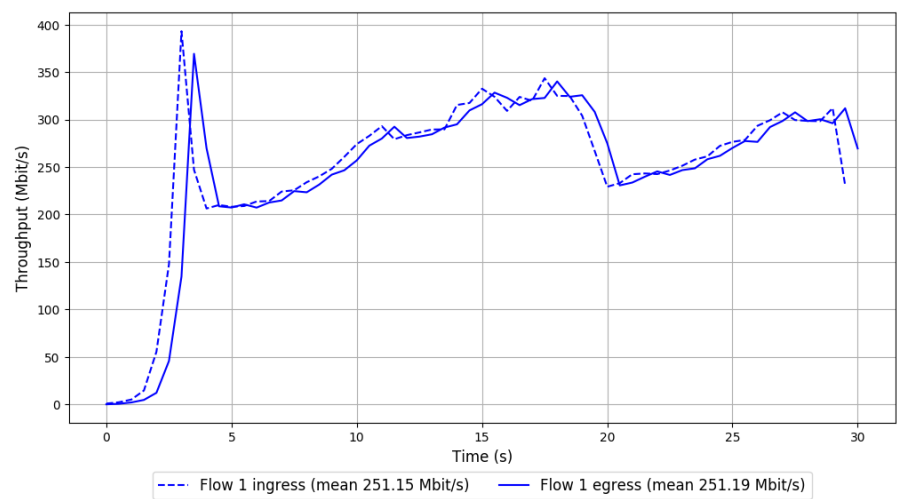
-- Flow 1:

Average throughput: 251.19 Mbit/s

95th percentile per-packet one-way delay: 67.509 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-05-22 21:39:38

End at: 2018-05-22 21:40:08

Local clock offset: 0.037 ms

Remote clock offset: 0.207 ms

Below is generated by plot.py at 2018-05-22 23:27:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 270.68 Mbit/s

95th percentile per-packet one-way delay: 62.228 ms

Loss rate: 0.00%

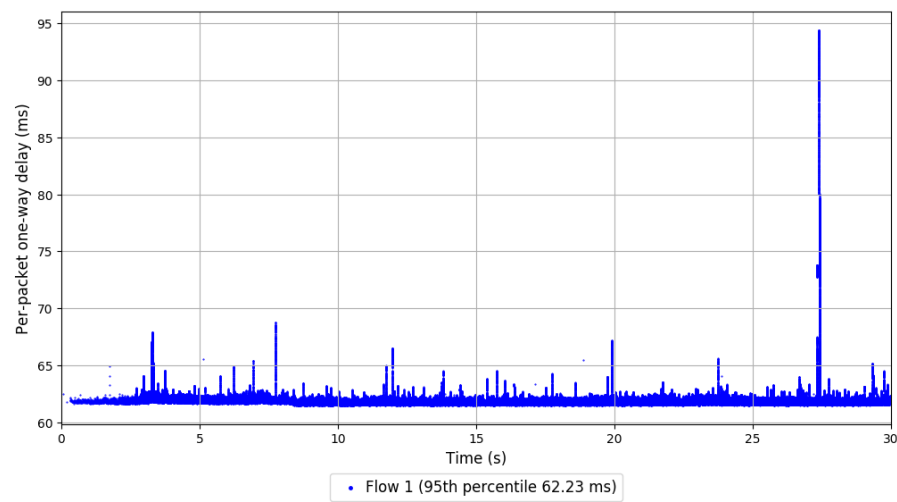
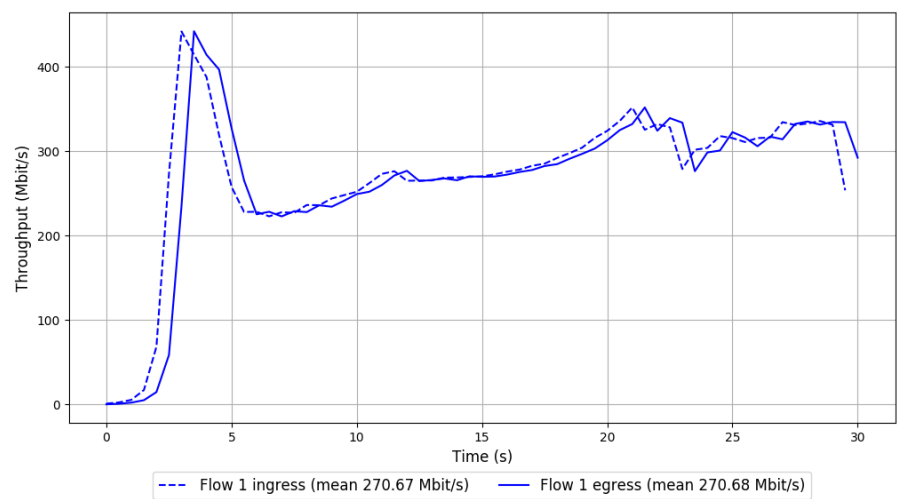
-- Flow 1:

Average throughput: 270.68 Mbit/s

95th percentile per-packet one-way delay: 62.228 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-05-22 21:59:27

End at: 2018-05-22 21:59:57

Local clock offset: 0.265 ms

Remote clock offset: -0.347 ms

Below is generated by plot.py at 2018-05-22 23:27:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 264.71 Mbit/s

95th percentile per-packet one-way delay: 61.811 ms

Loss rate: 0.00%

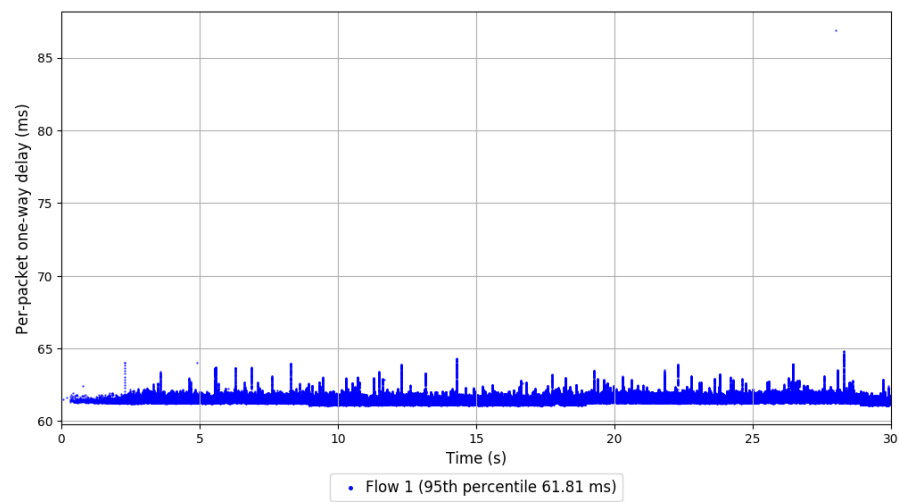
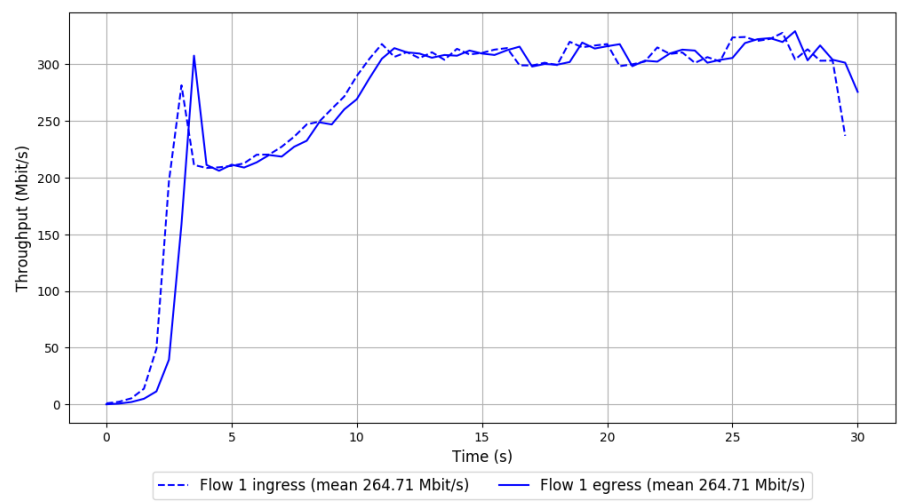
-- Flow 1:

Average throughput: 264.71 Mbit/s

95th percentile per-packet one-way delay: 61.811 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

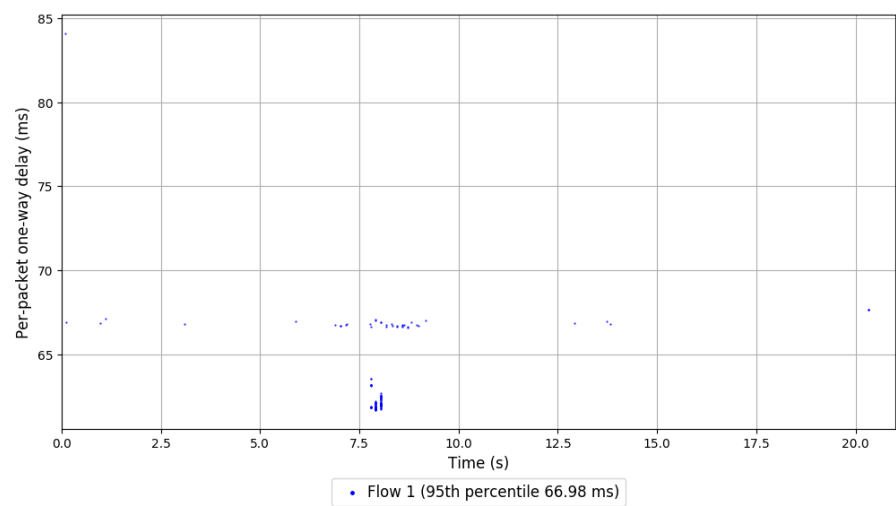
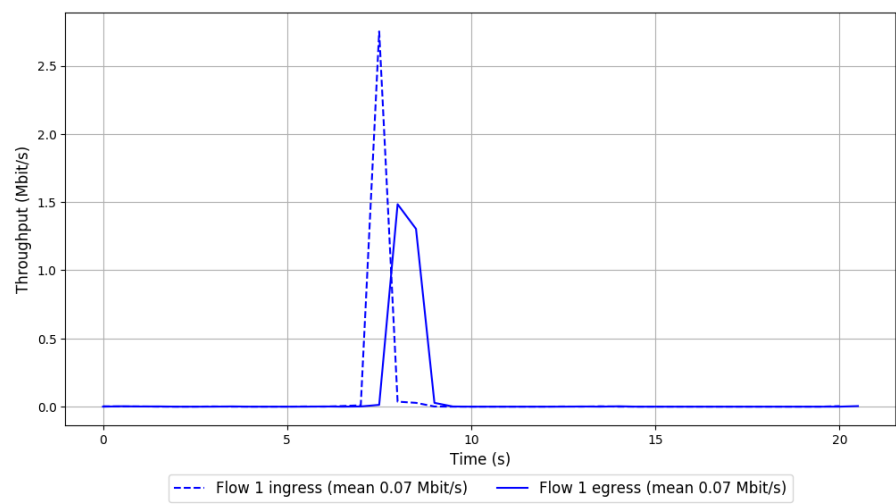
Start at: 2018-05-22 18:55:23

End at: 2018-05-22 18:55:53

Local clock offset: -0.066 ms

Remote clock offset: -0.115 ms

Run 1: Report of WebRTC media — Data Link

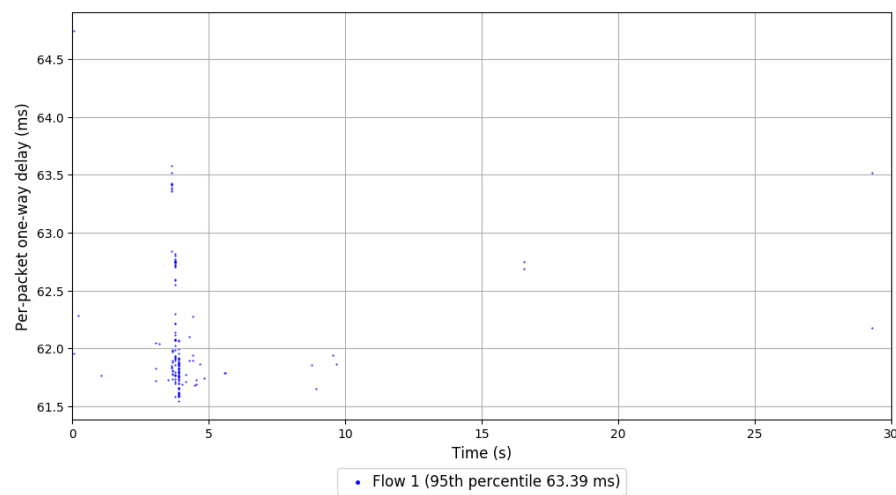
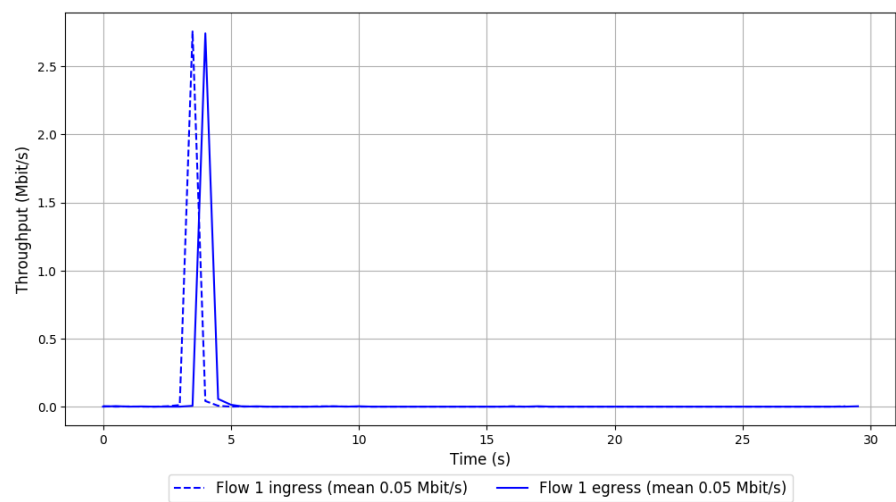


Run 2: Statistics of WebRTC media

Start at: 2018-05-22 19:15:47
End at: 2018-05-22 19:16:17
Local clock offset: 0.022 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-05-22 23:27:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.388 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.388 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

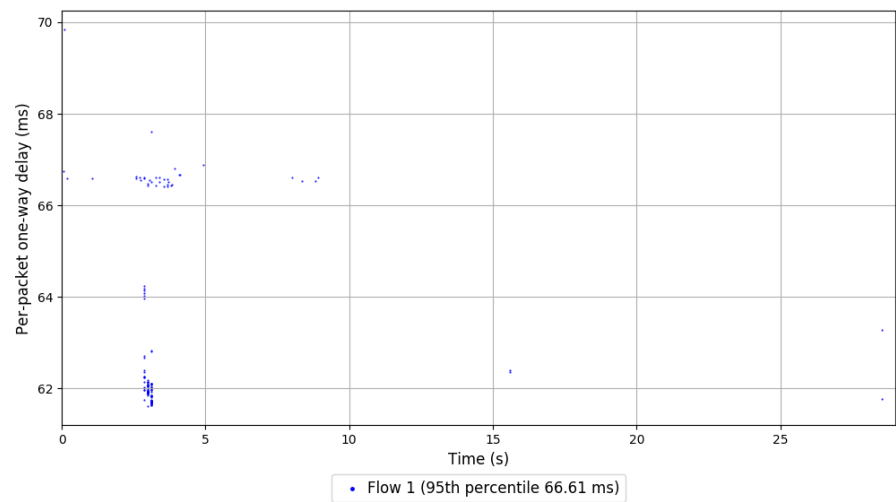
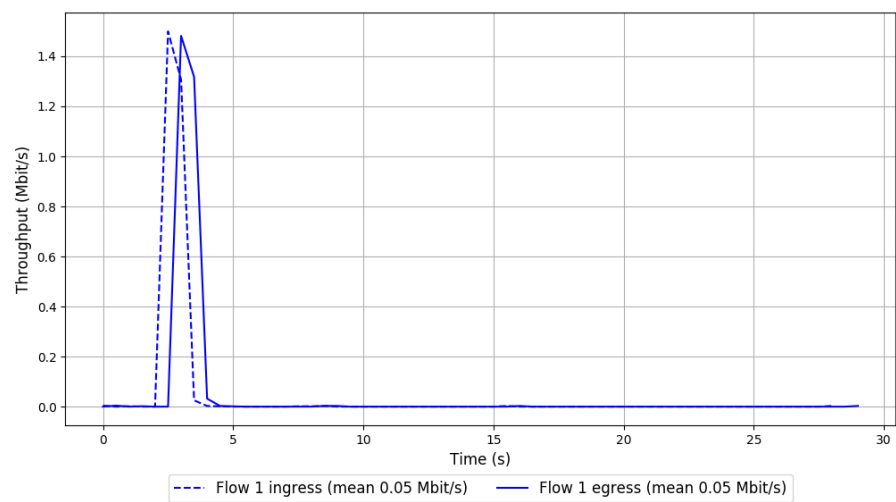


Run 3: Statistics of WebRTC media

Start at: 2018-05-22 19:35:49
End at: 2018-05-22 19:36:19
Local clock offset: -0.019 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-05-22 23:27:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 66.608 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 66.608 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-05-22 19:55:54

End at: 2018-05-22 19:56:24

Local clock offset: -0.189 ms

Remote clock offset: 0.095 ms

Below is generated by plot.py at 2018-05-22 23:27:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 66.812 ms

Loss rate: 0.00%

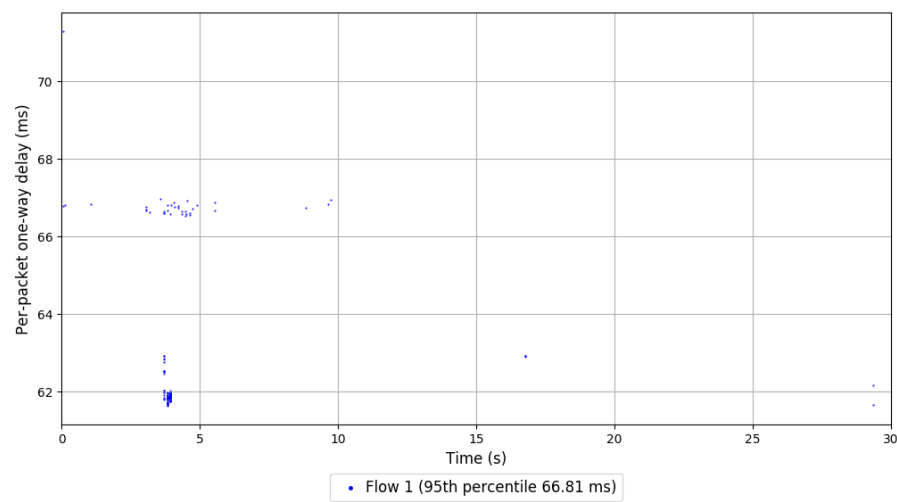
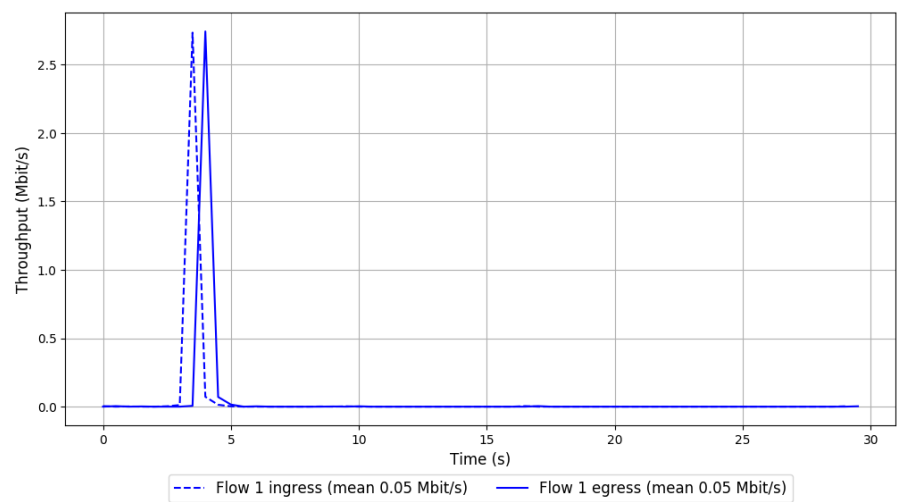
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 66.812 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-05-22 20:16:08

End at: 2018-05-22 20:16:38

Local clock offset: -0.223 ms

Remote clock offset: 0.154 ms

Below is generated by plot.py at 2018-05-22 23:27:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 67.214 ms

Loss rate: 0.00%

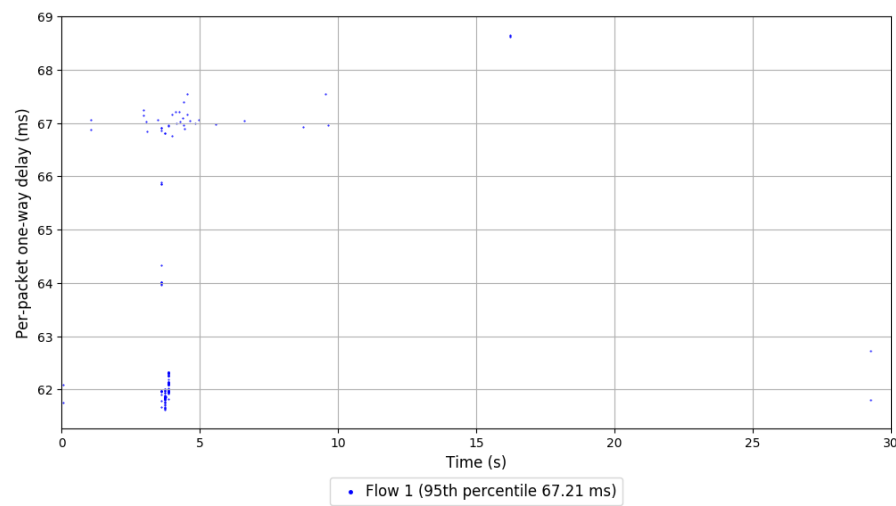
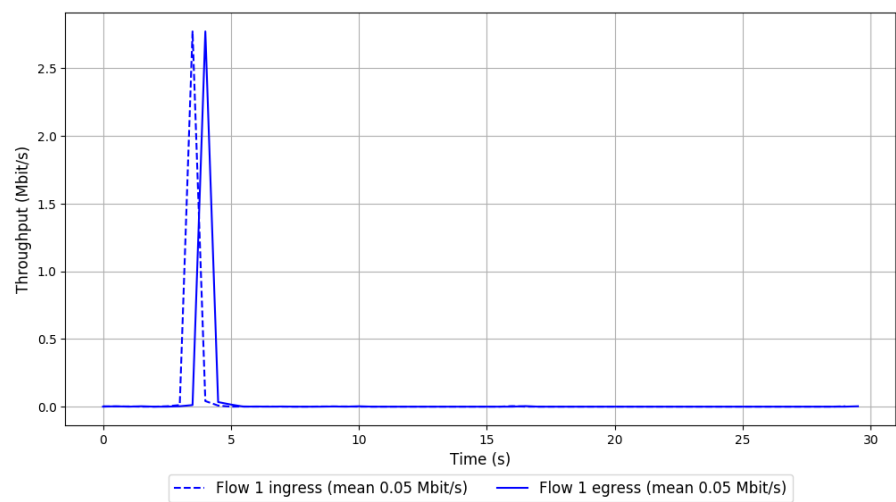
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 67.214 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-05-22 20:36:06

End at: 2018-05-22 20:36:36

Local clock offset: -0.336 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2018-05-22 23:27:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 63.163 ms

Loss rate: 0.00%

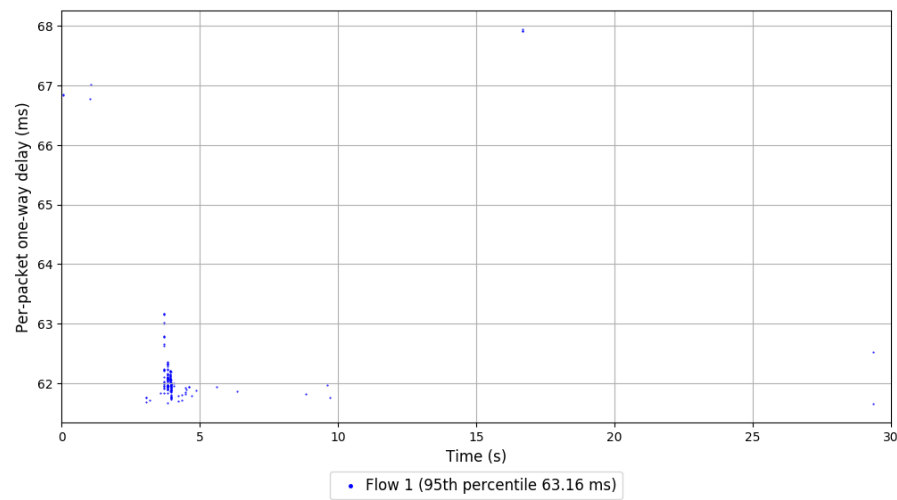
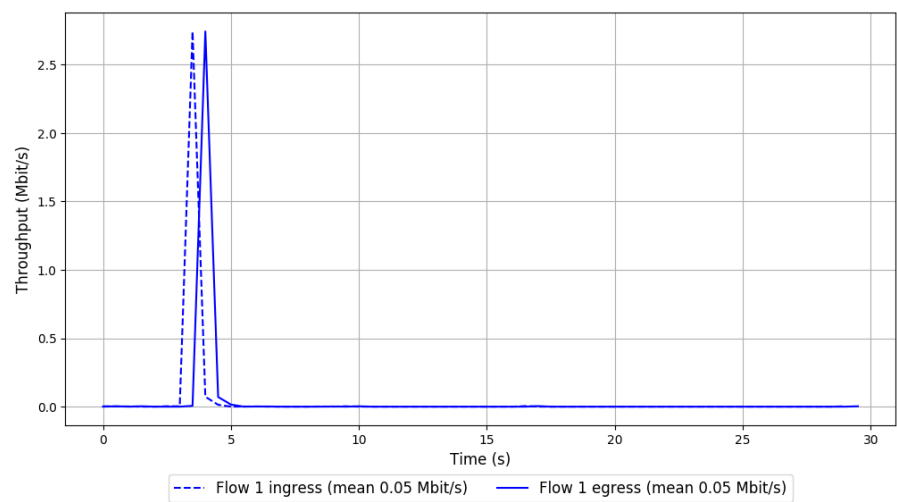
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 63.163 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

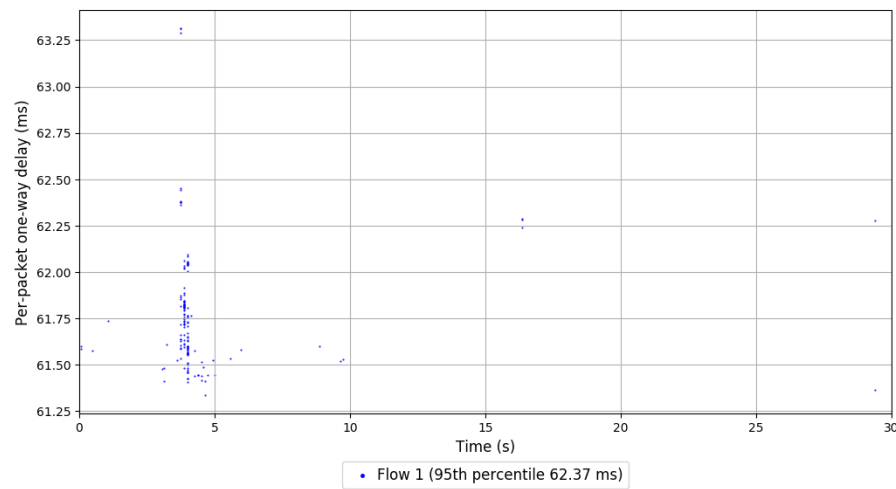
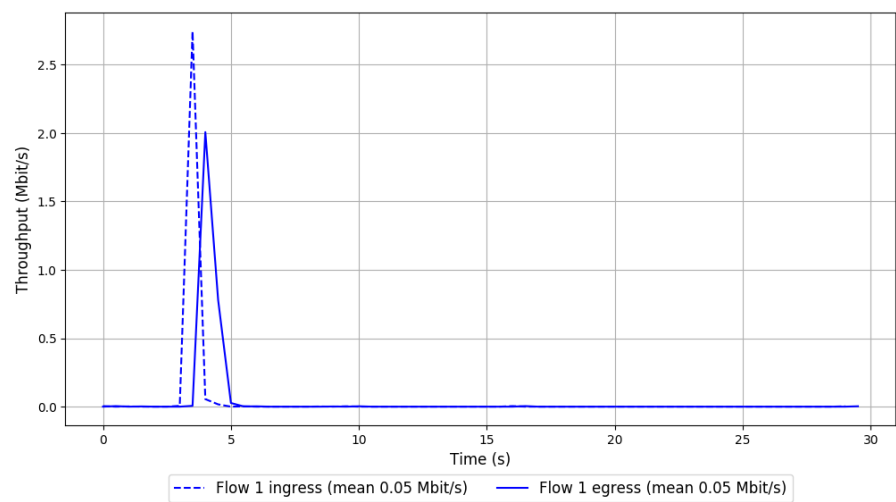


Run 7: Statistics of WebRTC media

Start at: 2018-05-22 20:56:12
End at: 2018-05-22 20:56:42
Local clock offset: -0.362 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-05-22 23:27:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 62.374 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 62.374 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-05-22 21:16:13

End at: 2018-05-22 21:16:43

Local clock offset: -0.397 ms

Remote clock offset: 0.28 ms

Below is generated by plot.py at 2018-05-22 23:27:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 63.041 ms

Loss rate: 0.00%

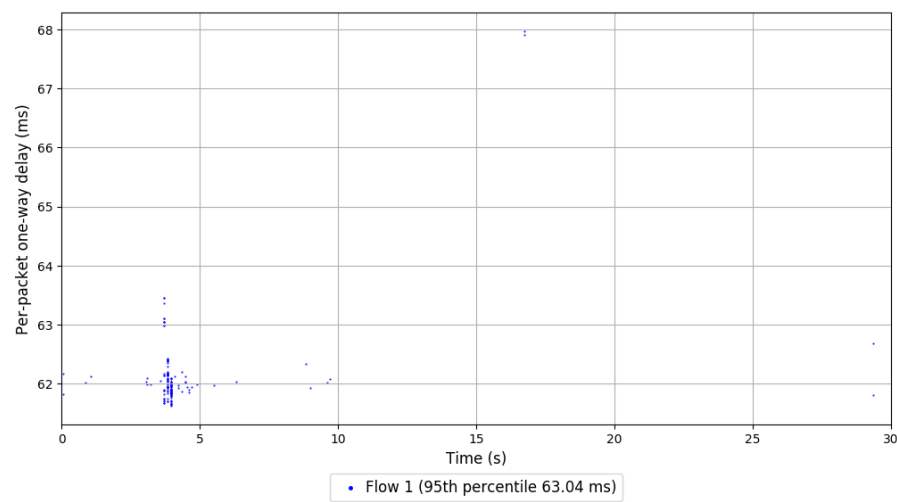
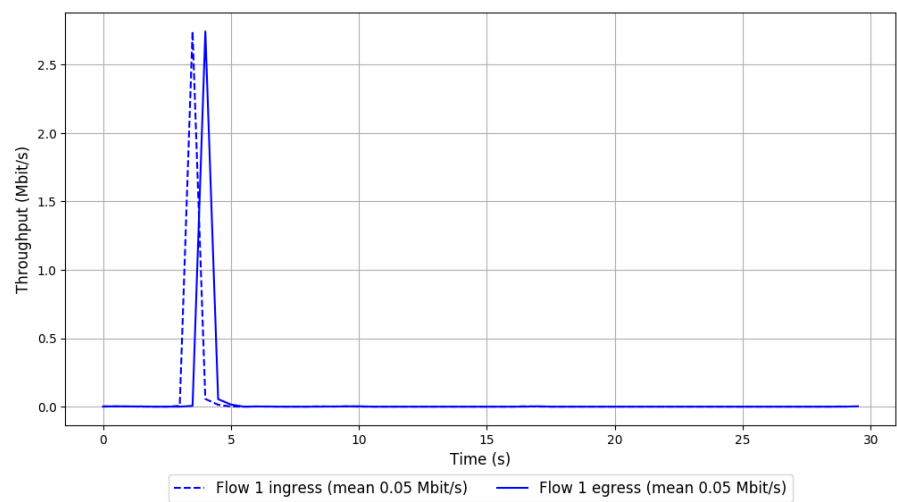
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 63.041 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

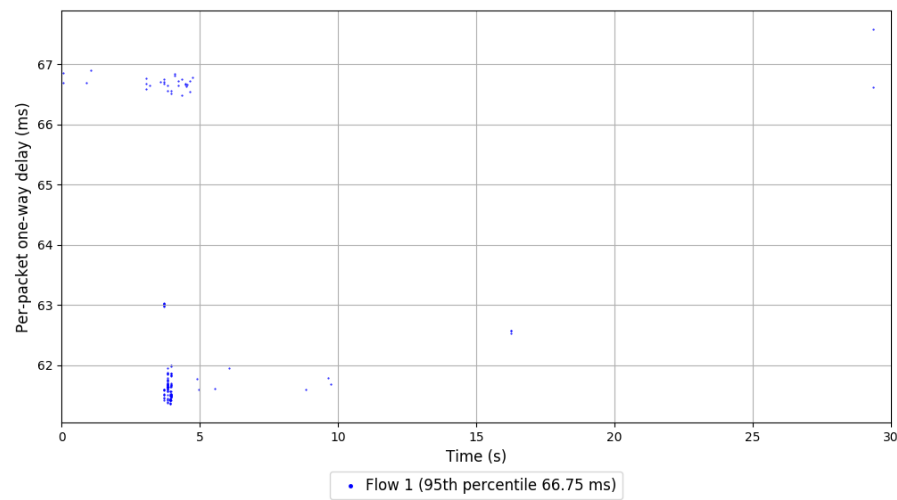
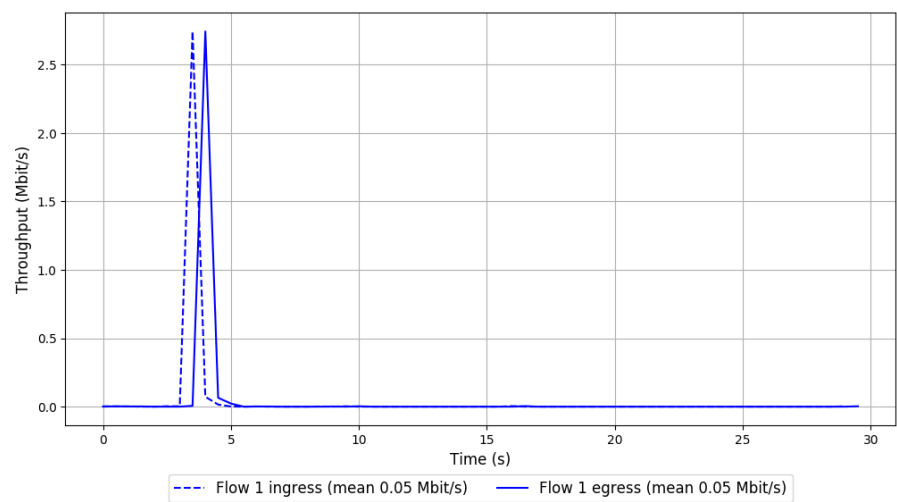


Run 9: Statistics of WebRTC media

Start at: 2018-05-22 21:36:04
End at: 2018-05-22 21:36:34
Local clock offset: 0.008 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-05-22 23:27:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 66.746 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 66.746 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-22 21:55:54

End at: 2018-05-22 21:56:24

Local clock offset: 0.23 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-05-22 23:27:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 62.430 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 62.430 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

