

Pantheon Report

Generated at 2018-05-31 10:34:59 (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.

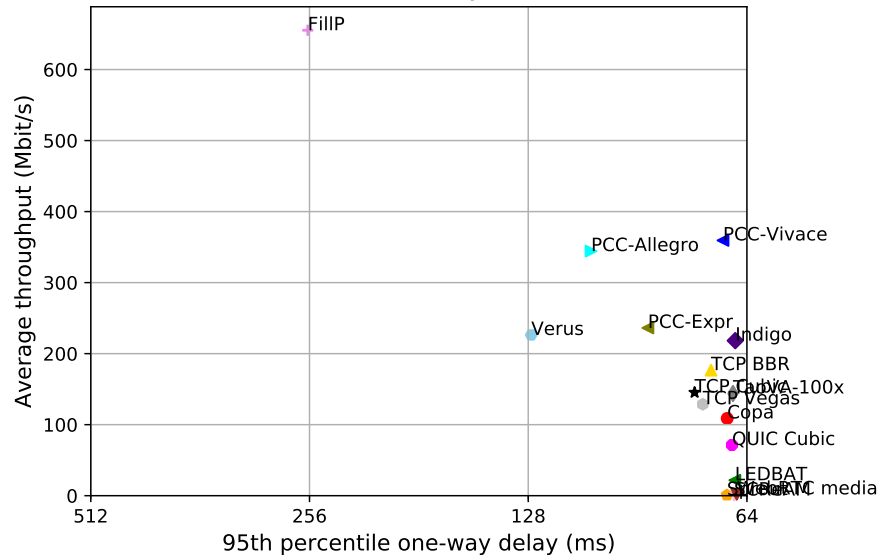
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

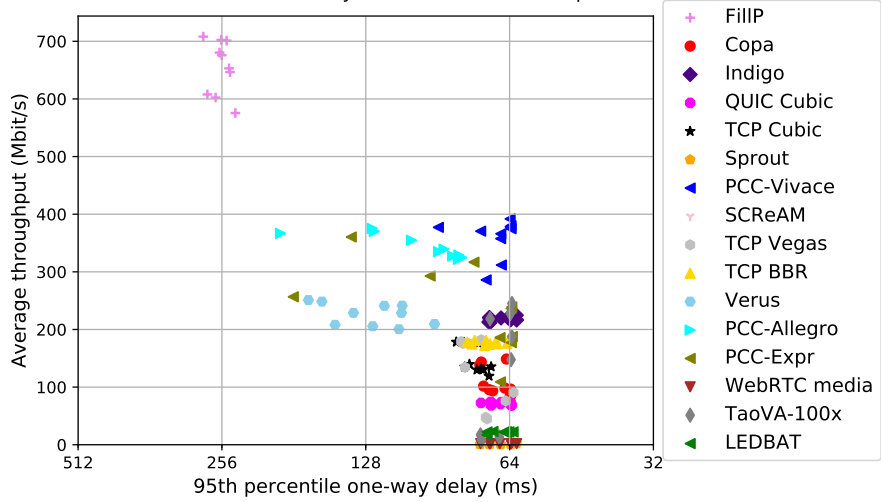
Git summary:

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

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



test from GCE Iowa to GCE Tokyo, 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	176.74	71.71	0.00
Copa	10	108.82	68.13	0.00
TCP Cubic	10	145.34	75.55	0.04
FillP	10	655.34	257.43	0.73
Indigo	10	218.31	66.41	0.00
LEDBAT	10	21.74	66.51	0.00
PCC-Allegro	10	344.39	104.89	0.13
PCC-Expr	10	236.20	87.61	0.03
QUIC Cubic	10	71.35	67.11	0.00
SCReAM	10	0.22	66.67	0.00
Sprout	10	0.91	68.20	0.00
TaoVA-100x	9	143.89	66.90	0.00
TCP Vegas	10	128.72	73.62	0.00
Verus	10	226.31	126.80	0.08
PCC-Vivace	10	359.41	69.05	0.02
WebRTC media	10	1.93	66.10	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-05-31 06:07:19

End at: 2018-05-31 06:07:49

Local clock offset: 0.758 ms

Remote clock offset: 6.448 ms

Below is generated by plot.py at 2018-05-31 09:24:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 174.77 Mbit/s

95th percentile per-packet one-way delay: 76.704 ms

Loss rate: 0.00%

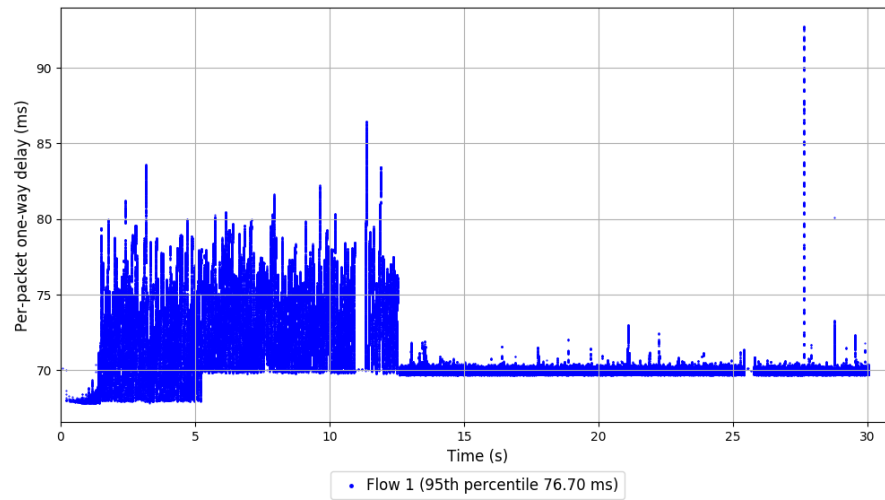
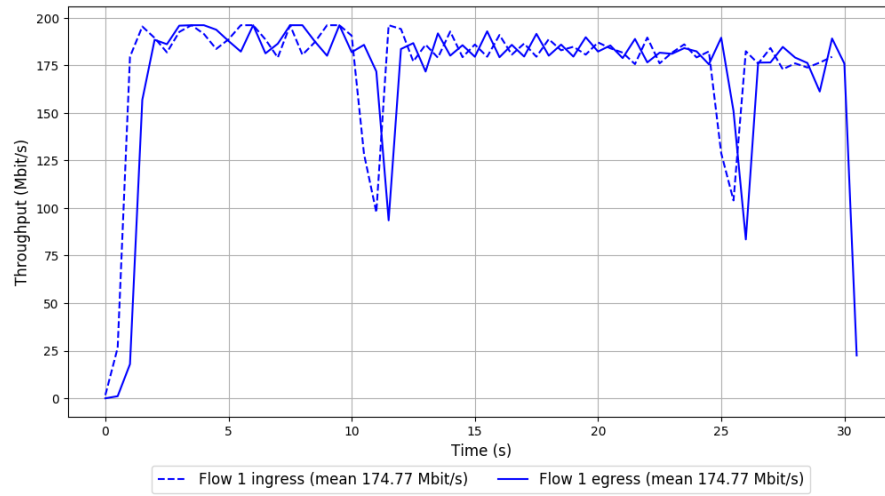
-- Flow 1:

Average throughput: 174.77 Mbit/s

95th percentile per-packet one-way delay: 76.704 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-05-31 06:27:37

End at: 2018-05-31 06:28:07

Local clock offset: 0.054 ms

Remote clock offset: 6.574 ms

Below is generated by plot.py at 2018-05-31 09:24:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 177.76 Mbit/s

95th percentile per-packet one-way delay: 78.494 ms

Loss rate: 0.00%

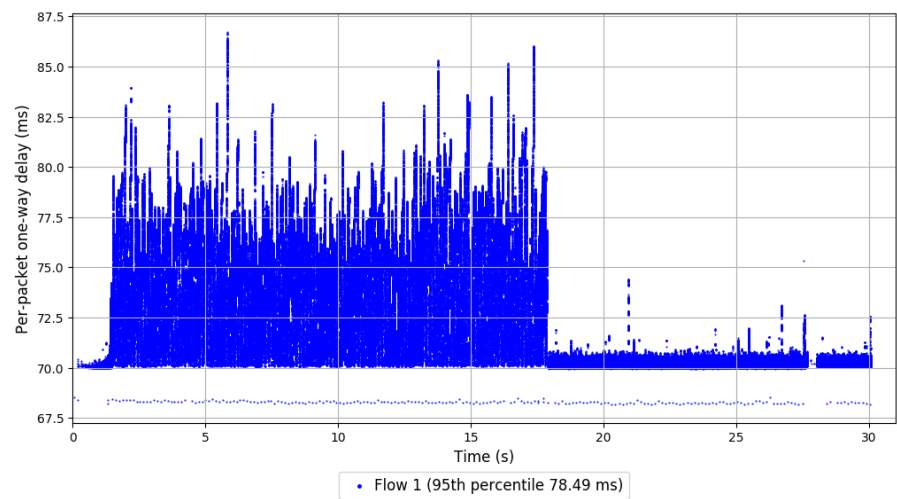
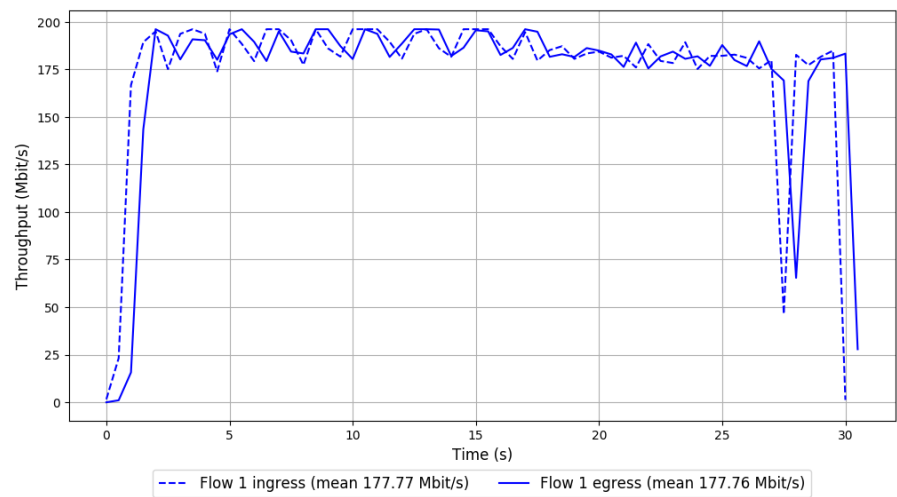
-- Flow 1:

Average throughput: 177.76 Mbit/s

95th percentile per-packet one-way delay: 78.494 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-05-31 06:47:45

End at: 2018-05-31 06:48:15

Local clock offset: -0.197 ms

Remote clock offset: 6.505 ms

Below is generated by plot.py at 2018-05-31 09:24:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.19 Mbit/s

95th percentile per-packet one-way delay: 72.134 ms

Loss rate: 0.00%

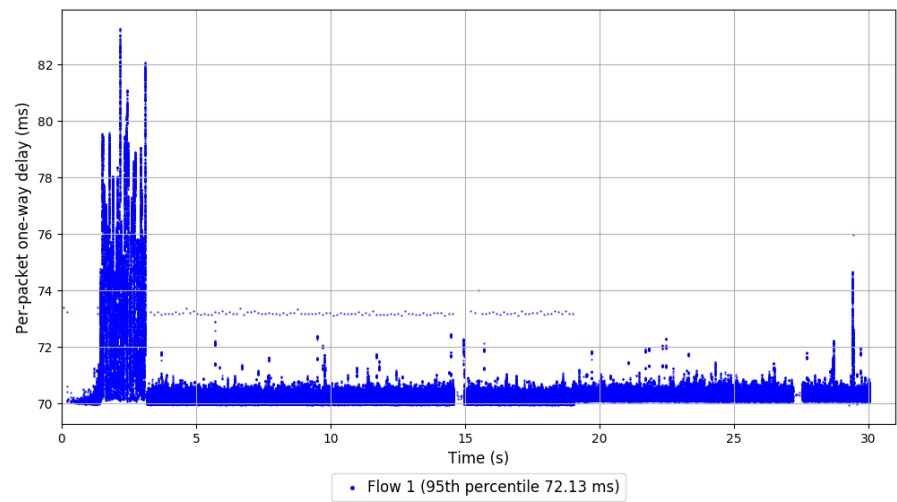
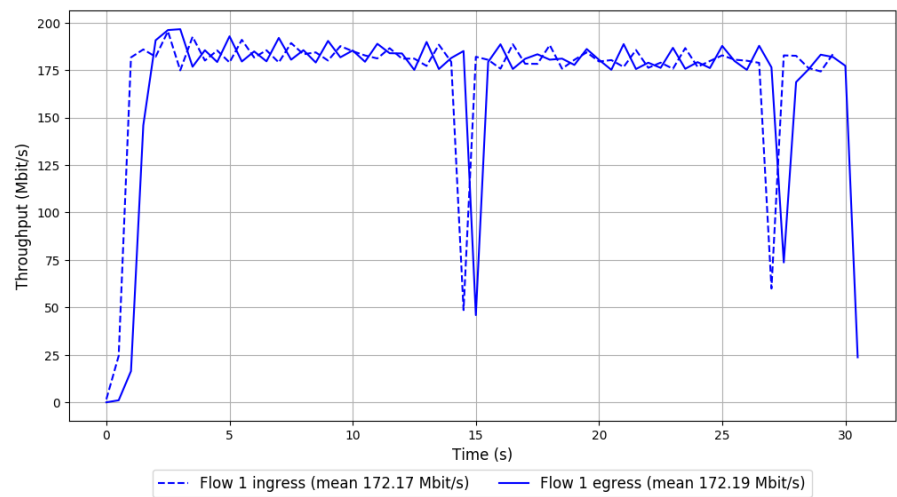
-- Flow 1:

Average throughput: 172.19 Mbit/s

95th percentile per-packet one-way delay: 72.134 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

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

End at: 2018-05-31 07:08:26

Local clock offset: -0.275 ms

Remote clock offset: 6.488 ms

Below is generated by plot.py at 2018-05-31 09:24:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 174.32 Mbit/s

95th percentile per-packet one-way delay: 70.806 ms

Loss rate: 0.00%

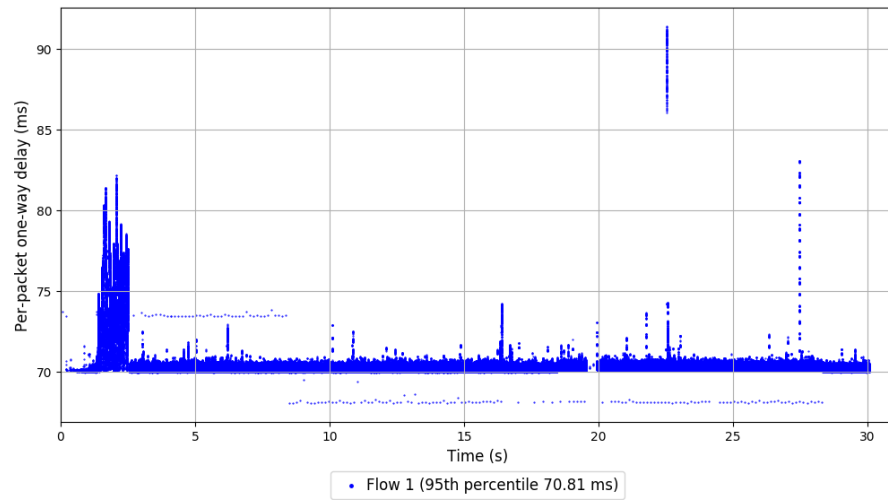
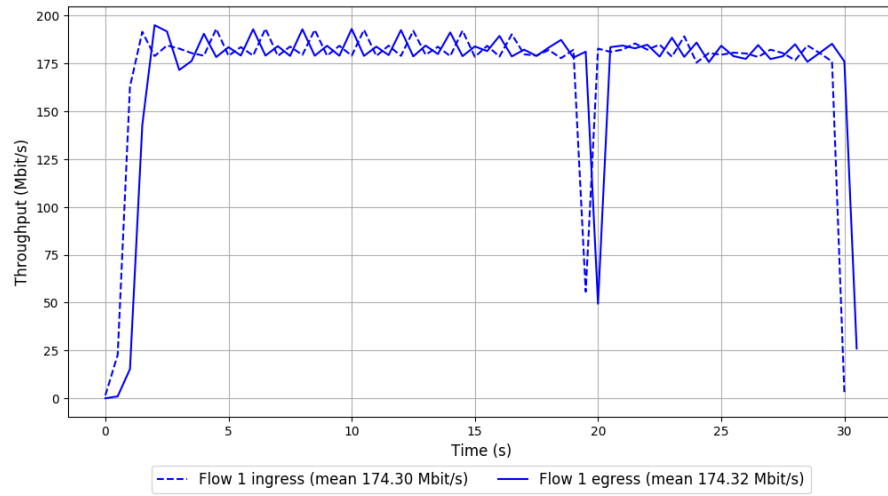
-- Flow 1:

Average throughput: 174.32 Mbit/s

95th percentile per-packet one-way delay: 70.806 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link

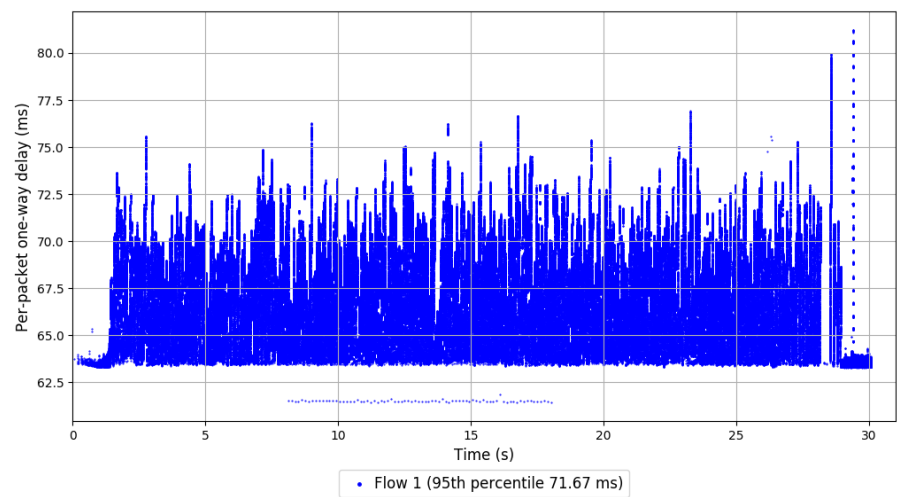
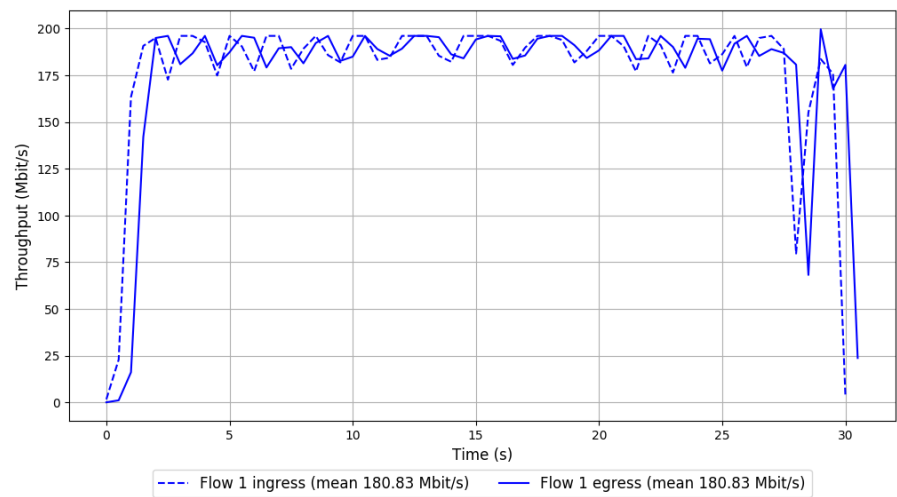


Run 5: Statistics of TCP BBR

Start at: 2018-05-31 07:27:46
End at: 2018-05-31 07:28:16
Local clock offset: -0.329 ms
Remote clock offset: -0.194 ms

Below is generated by plot.py at 2018-05-31 09:24:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 180.83 Mbit/s
95th percentile per-packet one-way delay: 71.666 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 180.83 Mbit/s
95th percentile per-packet one-way delay: 71.666 ms
Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link

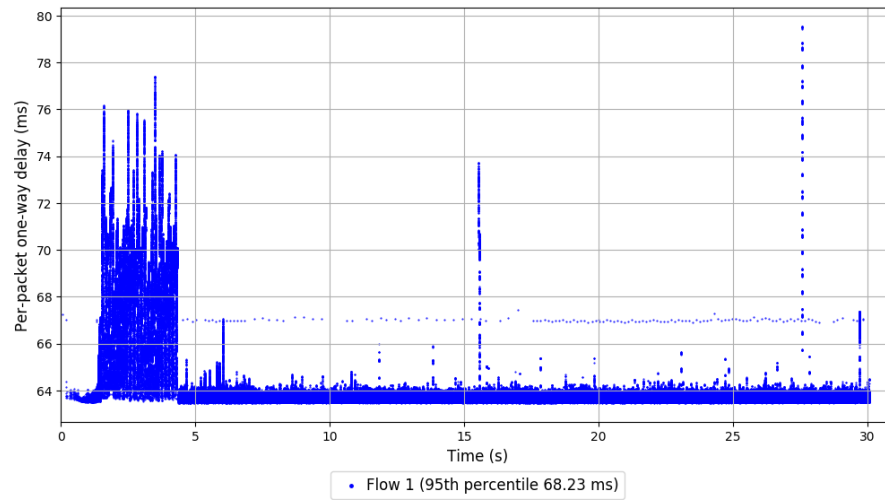
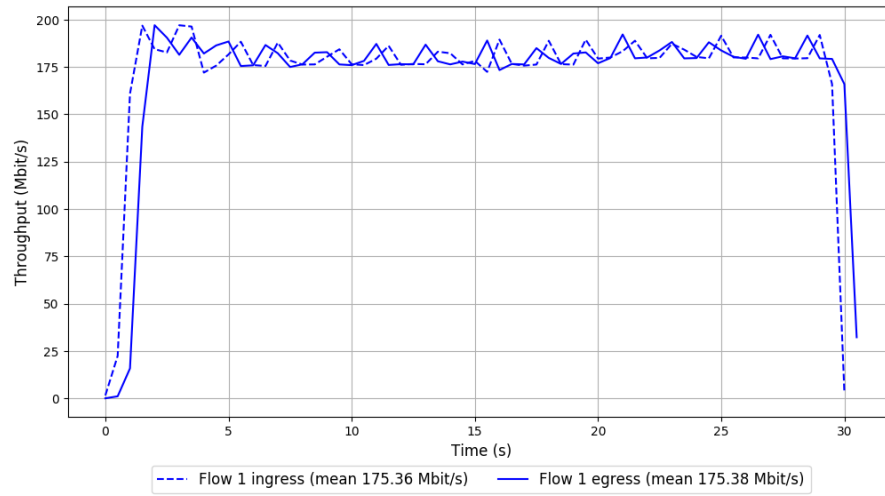


Run 6: Statistics of TCP BBR

Start at: 2018-05-31 07:48:07
End at: 2018-05-31 07:48:37
Local clock offset: -0.46 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-05-31 09:24:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 175.38 Mbit/s
95th percentile per-packet one-way delay: 68.226 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 175.38 Mbit/s
95th percentile per-packet one-way delay: 68.226 ms
Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

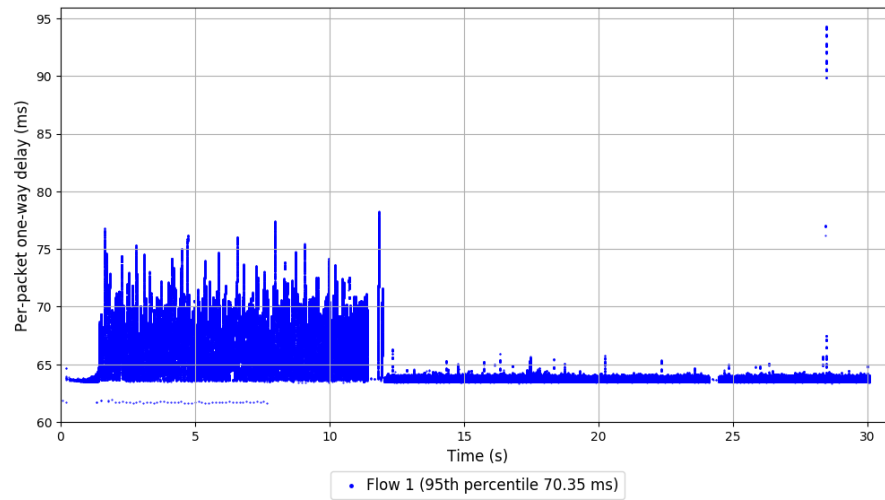
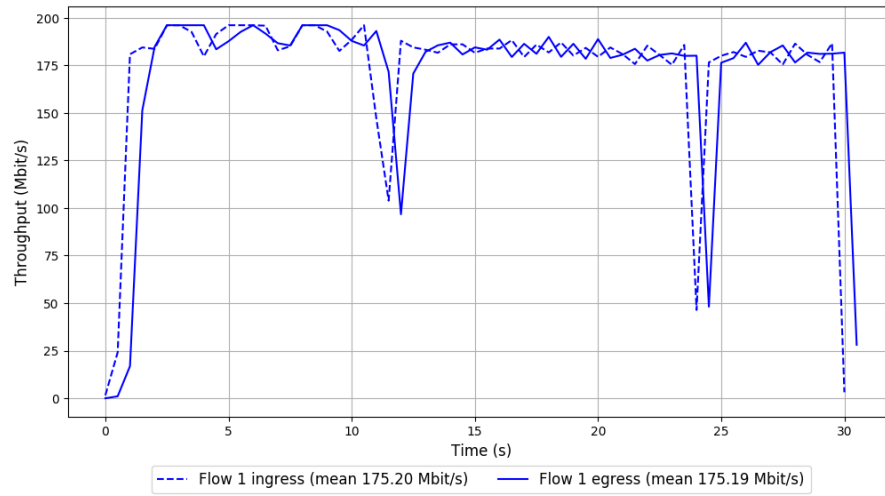


Run 7: Statistics of TCP BBR

Start at: 2018-05-31 08:08:07
End at: 2018-05-31 08:08:37
Local clock offset: -0.055 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-05-31 09:24:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 175.19 Mbit/s
95th percentile per-packet one-way delay: 70.353 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 175.19 Mbit/s
95th percentile per-packet one-way delay: 70.353 ms
Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-05-31 08:28:24

End at: 2018-05-31 08:28:54

Local clock offset: 0.186 ms

Remote clock offset: 6.464 ms

Below is generated by plot.py at 2018-05-31 09:24:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.07 Mbit/s

95th percentile per-packet one-way delay: 75.687 ms

Loss rate: 0.00%

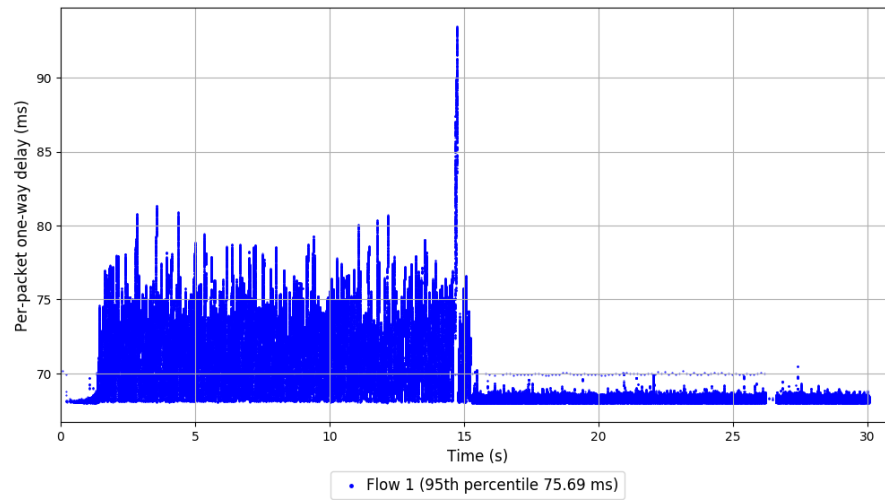
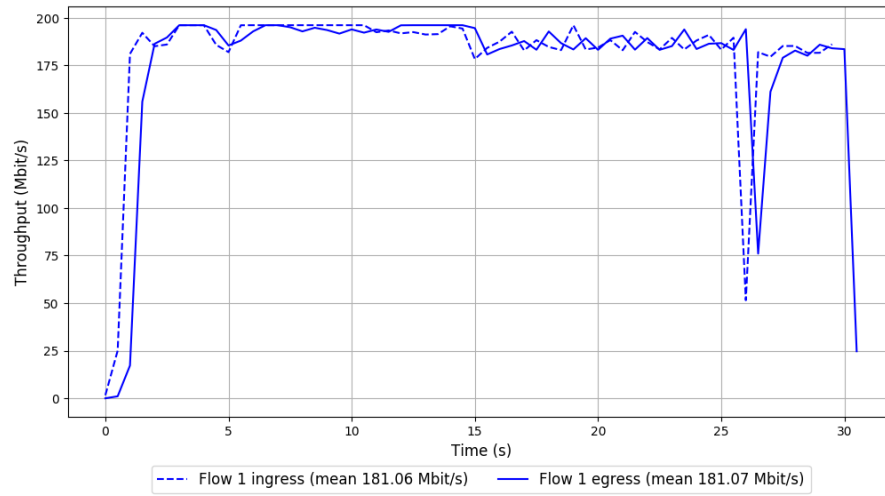
-- Flow 1:

Average throughput: 181.07 Mbit/s

95th percentile per-packet one-way delay: 75.687 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-05-31 08:48:33

End at: 2018-05-31 08:49:03

Local clock offset: 0.275 ms

Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-05-31 09:26:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 176.17 Mbit/s

95th percentile per-packet one-way delay: 64.803 ms

Loss rate: 0.00%

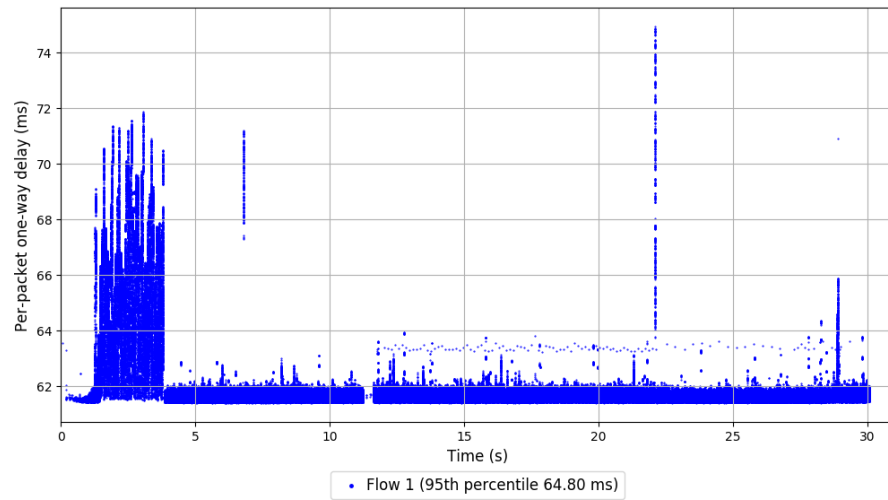
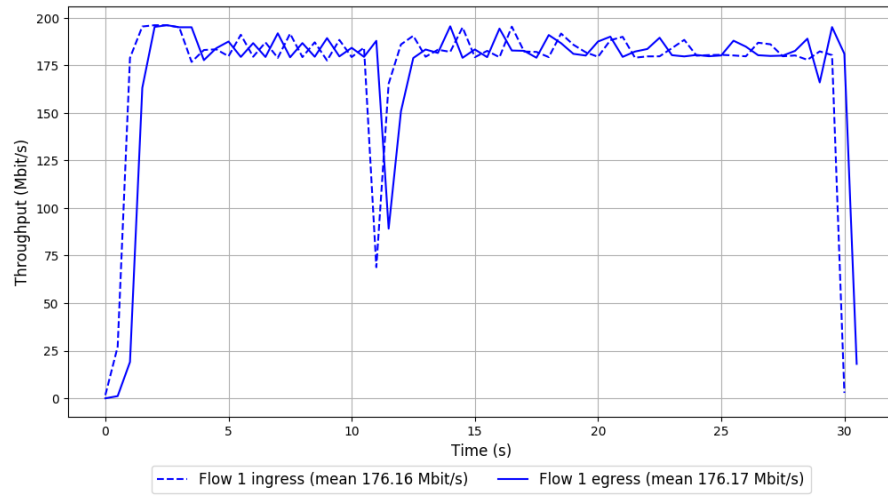
-- Flow 1:

Average throughput: 176.17 Mbit/s

95th percentile per-packet one-way delay: 64.803 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-05-31 09:08:47

End at: 2018-05-31 09:09:17

Local clock offset: 0.384 ms

Remote clock offset: -0.076 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.76 Mbit/s

95th percentile per-packet one-way delay: 68.264 ms

Loss rate: 0.00%

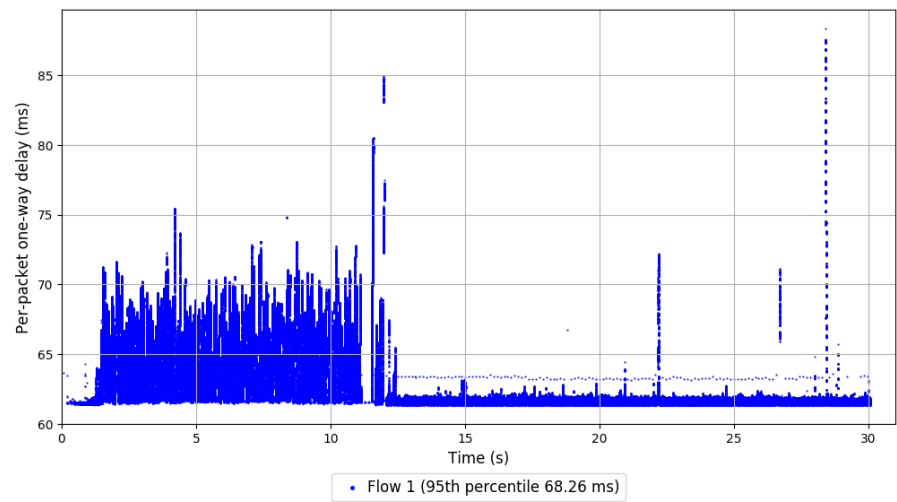
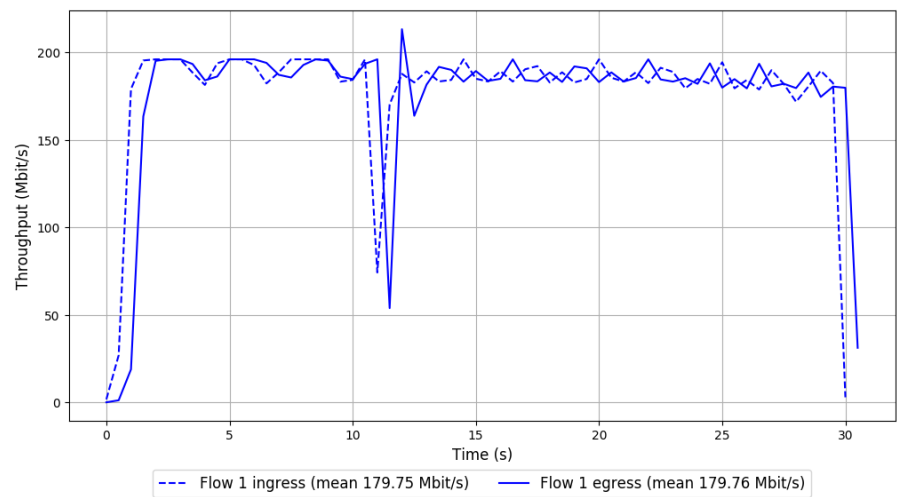
-- Flow 1:

Average throughput: 179.76 Mbit/s

95th percentile per-packet one-way delay: 68.264 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-05-31 06:09:40

End at: 2018-05-31 06:10:10

Local clock offset: 0.773 ms

Remote clock offset: 6.788 ms

Below is generated by plot.py at 2018-05-31 09:28:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 138.54 Mbit/s

95th percentile per-packet one-way delay: 73.877 ms

Loss rate: 0.00%

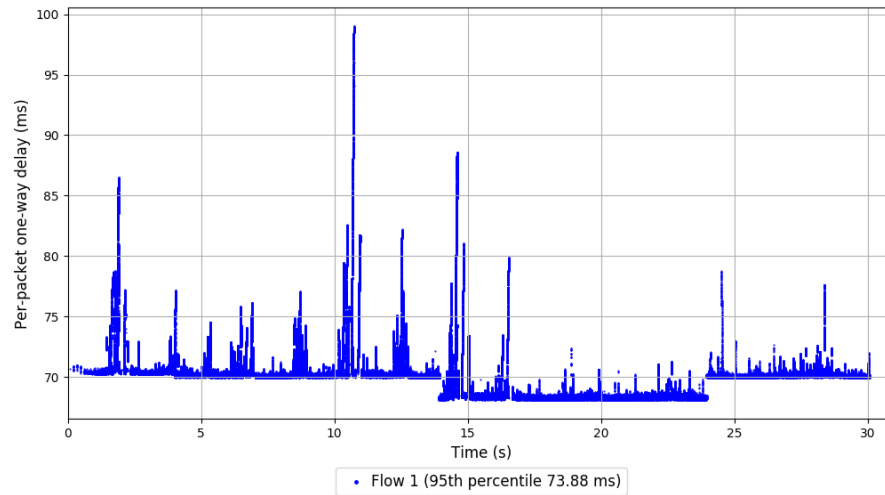
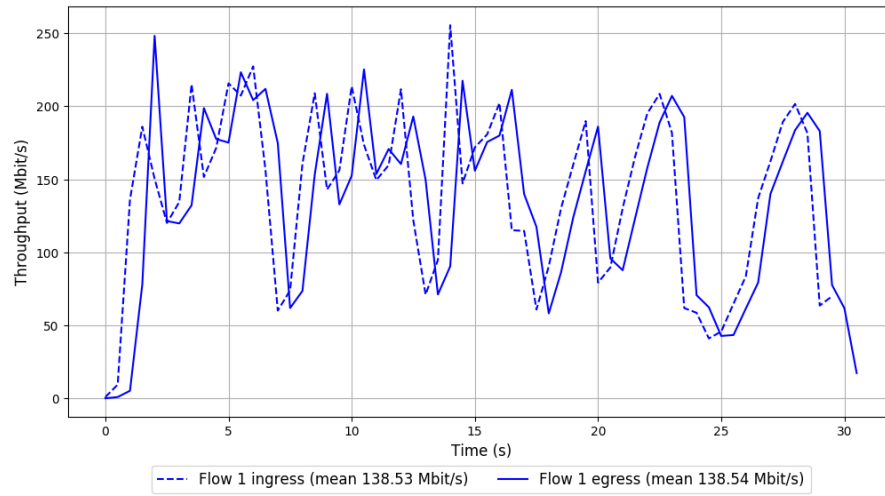
-- Flow 1:

Average throughput: 138.54 Mbit/s

95th percentile per-packet one-way delay: 73.877 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-05-31 06:29:58

End at: 2018-05-31 06:30:28

Local clock offset: 0.017 ms

Remote clock offset: 6.89 ms

Below is generated by plot.py at 2018-05-31 09:28:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.53 Mbit/s

95th percentile per-packet one-way delay: 70.592 ms

Loss rate: 0.00%

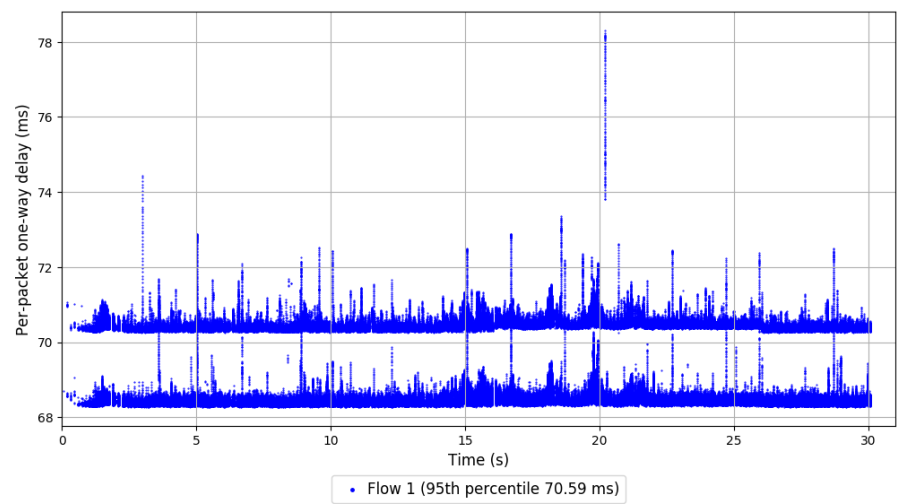
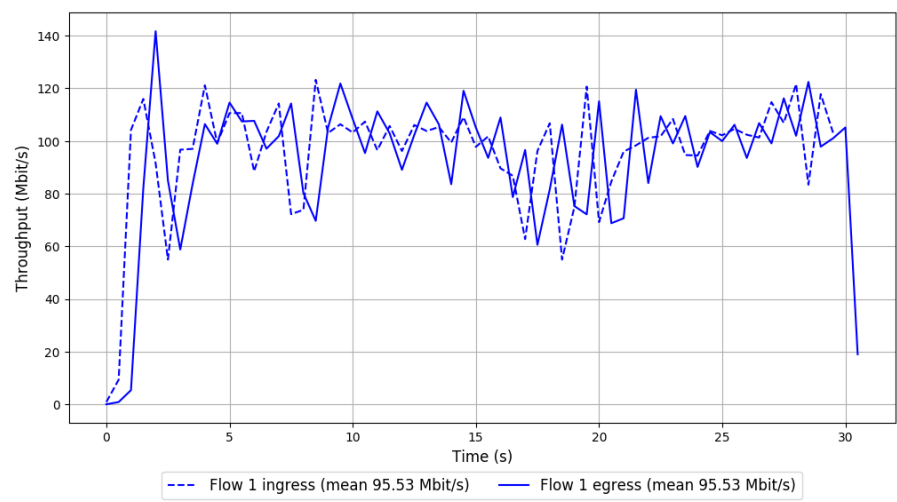
-- Flow 1:

Average throughput: 95.53 Mbit/s

95th percentile per-packet one-way delay: 70.592 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-05-31 06:50:07

End at: 2018-05-31 06:50:37

Local clock offset: -0.12 ms

Remote clock offset: 6.545 ms

Below is generated by plot.py at 2018-05-31 09:28:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 143.45 Mbit/s

95th percentile per-packet one-way delay: 73.351 ms

Loss rate: 0.00%

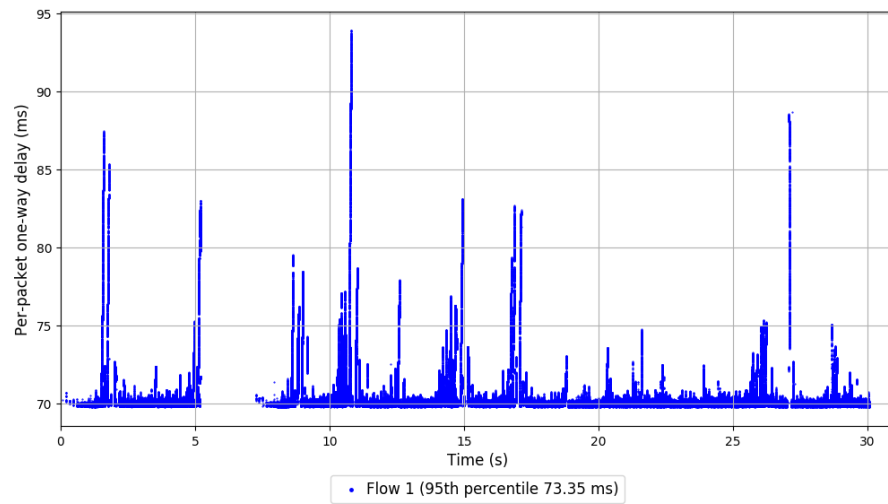
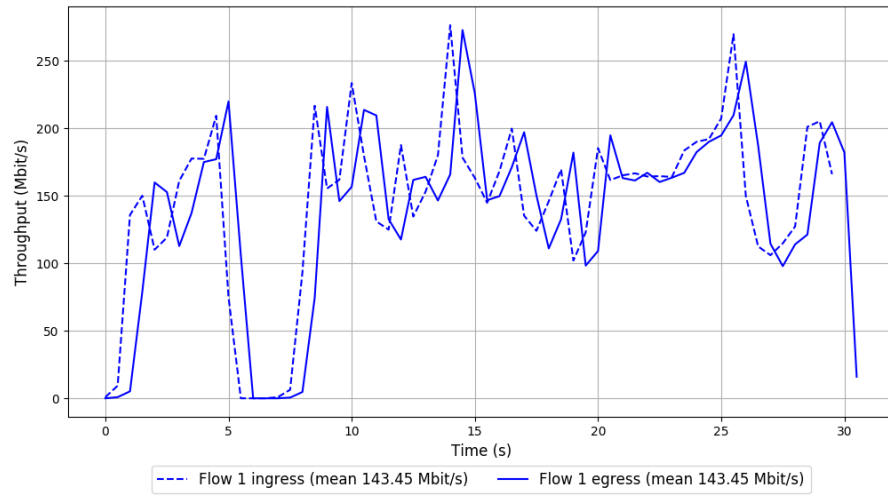
-- Flow 1:

Average throughput: 143.45 Mbit/s

95th percentile per-packet one-way delay: 73.351 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link

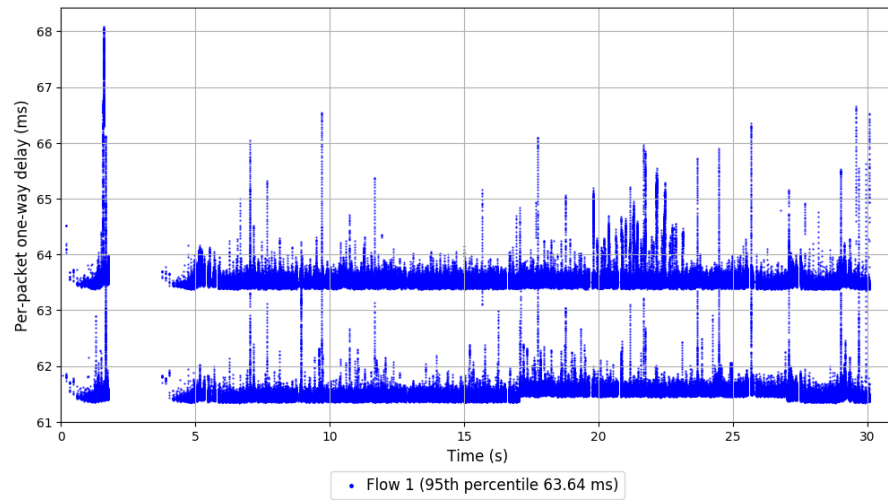
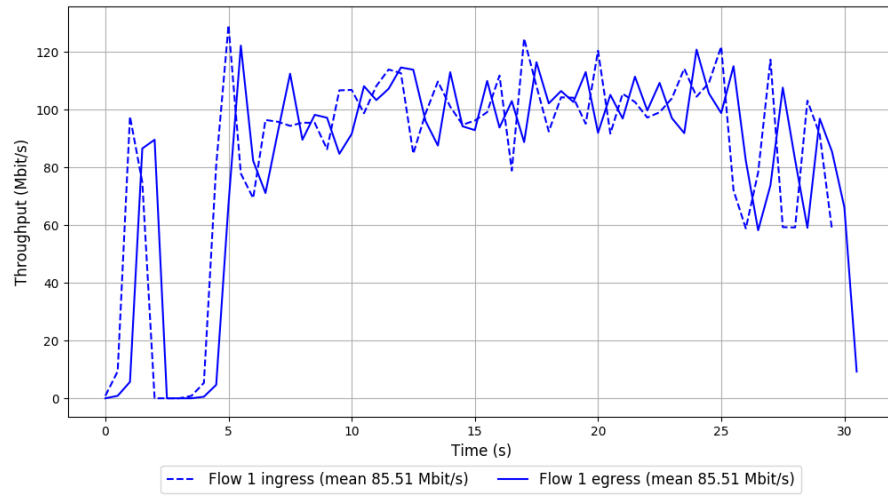


Run 4: Statistics of Copa

Start at: 2018-05-31 07:10:17
End at: 2018-05-31 07:10:47
Local clock offset: -0.235 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-05-31 09:28:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.51 Mbit/s
95th percentile per-packet one-way delay: 63.638 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.51 Mbit/s
95th percentile per-packet one-way delay: 63.638 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-05-31 07:30:08

End at: 2018-05-31 07:30:38

Local clock offset: -0.346 ms

Remote clock offset: 6.434 ms

Below is generated by plot.py at 2018-05-31 09:28:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.72 Mbit/s

95th percentile per-packet one-way delay: 72.543 ms

Loss rate: 0.00%

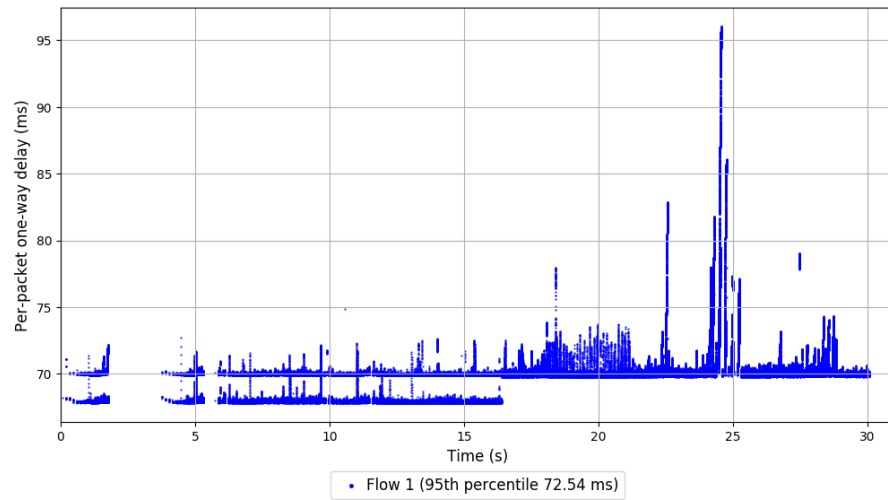
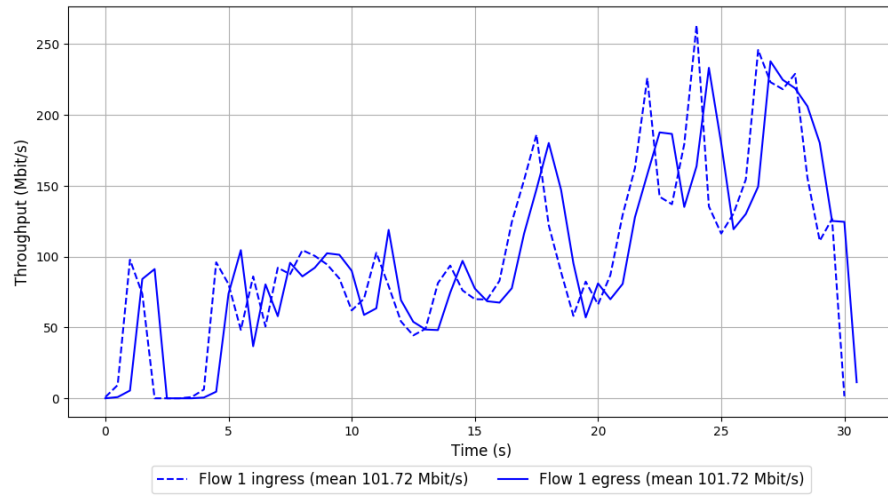
-- Flow 1:

Average throughput: 101.72 Mbit/s

95th percentile per-packet one-way delay: 72.543 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link

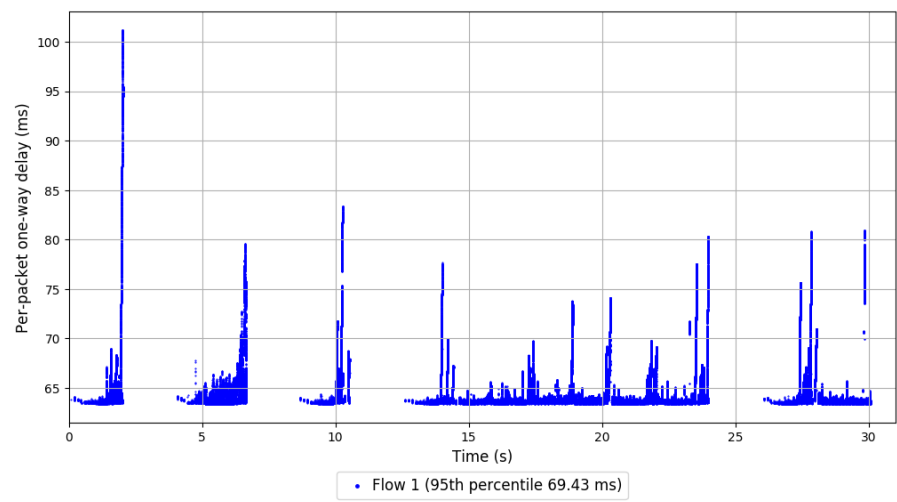
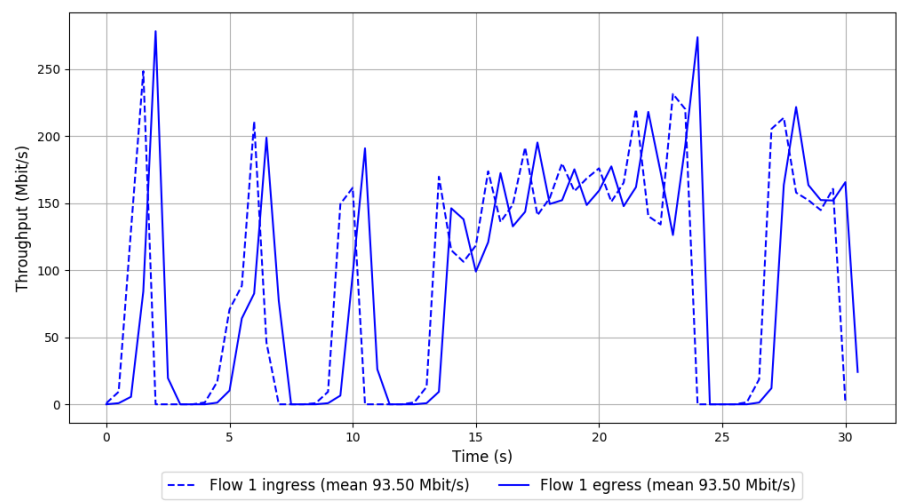


Run 6: Statistics of Copa

Start at: 2018-05-31 07:50:29
End at: 2018-05-31 07:50:59
Local clock offset: -0.462 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-05-31 09:28:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.50 Mbit/s
95th percentile per-packet one-way delay: 69.426 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.50 Mbit/s
95th percentile per-packet one-way delay: 69.426 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

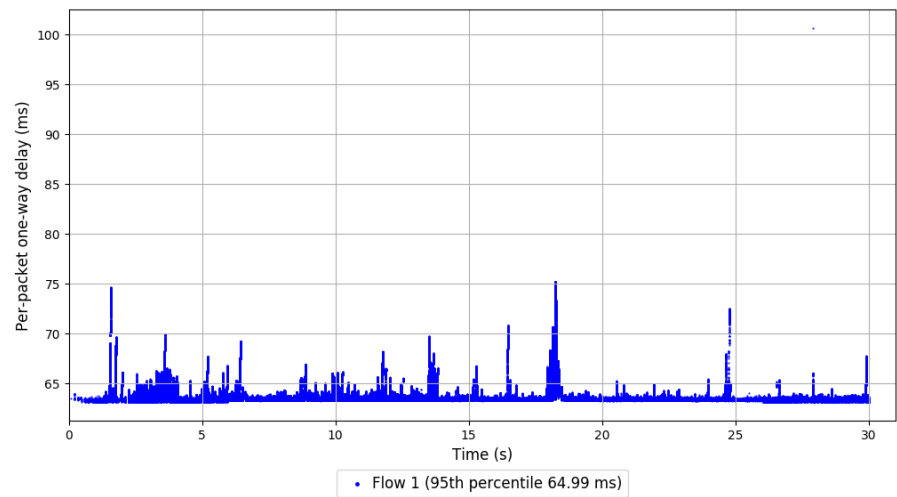
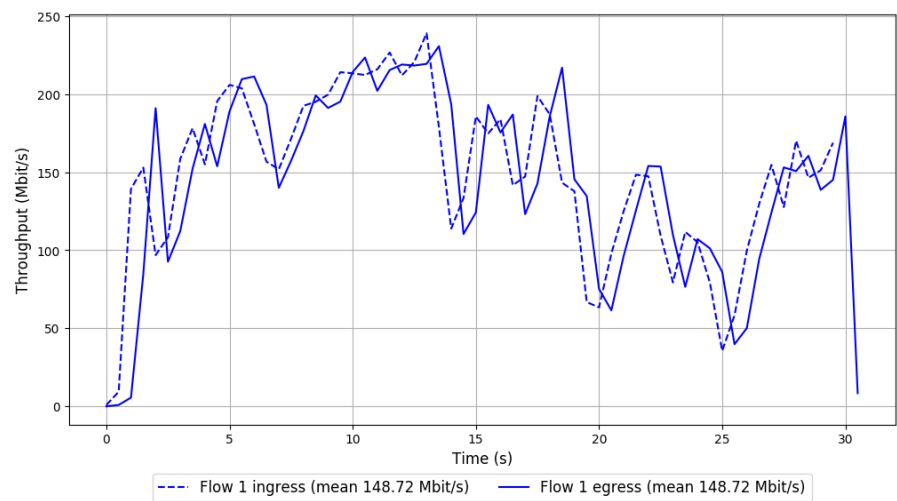


Run 7: Statistics of Copa

Start at: 2018-05-31 08:10:28
End at: 2018-05-31 08:10:59
Local clock offset: -0.013 ms
Remote clock offset: -0.234 ms

Below is generated by plot.py at 2018-05-31 09:31:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 148.72 Mbit/s
95th percentile per-packet one-way delay: 64.991 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 148.72 Mbit/s
95th percentile per-packet one-way delay: 64.991 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

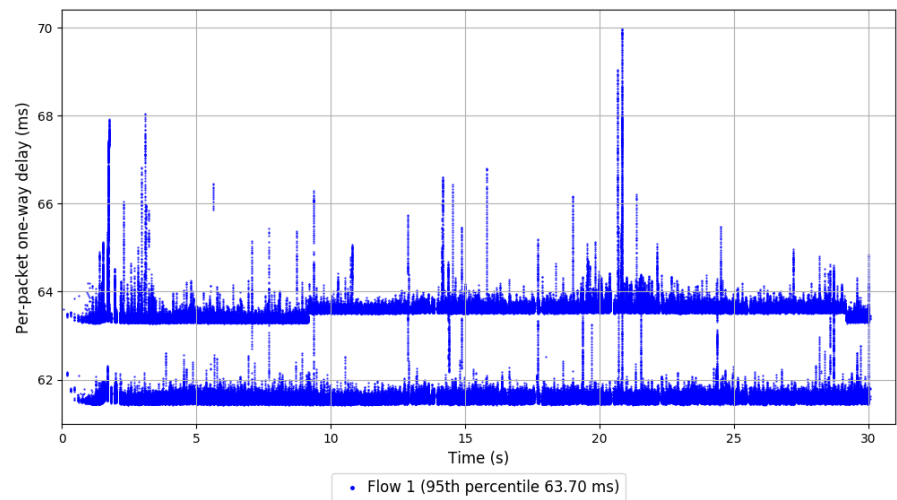
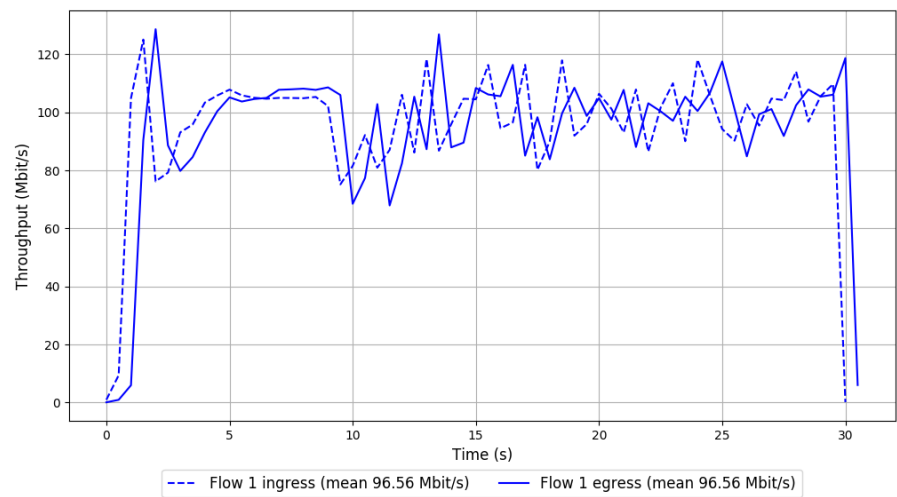


Run 8: Statistics of Copa

Start at: 2018-05-31 08:30:45
End at: 2018-05-31 08:31:15
Local clock offset: 0.201 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-05-31 09:31:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 63.704 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 63.704 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-05-31 08:50:55

End at: 2018-05-31 08:51:25

Local clock offset: 0.266 ms

Remote clock offset: 0.142 ms

Below is generated by plot.py at 2018-05-31 09:31:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.41 Mbit/s

95th percentile per-packet one-way delay: 63.766 ms

Loss rate: 0.00%

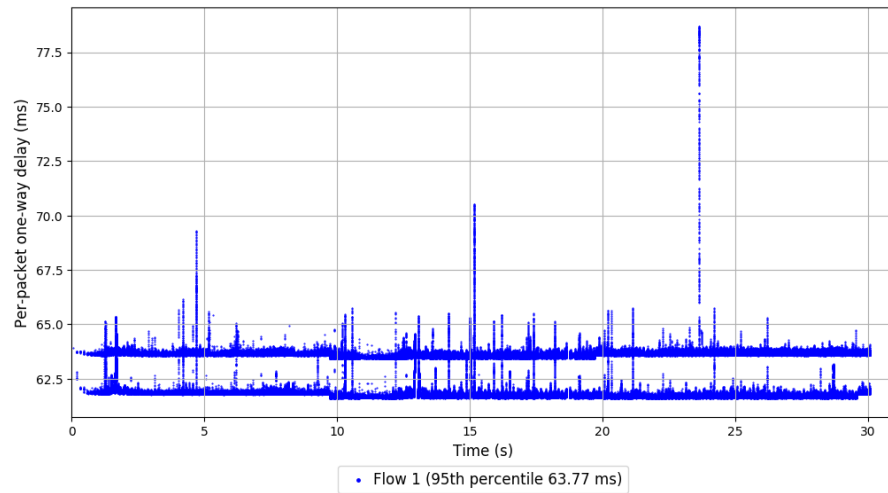
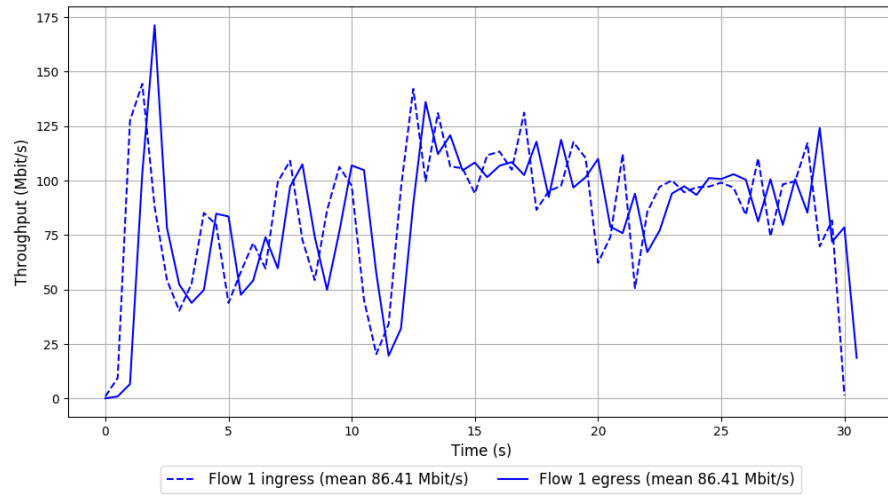
-- Flow 1:

Average throughput: 86.41 Mbit/s

95th percentile per-packet one-way delay: 63.766 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link

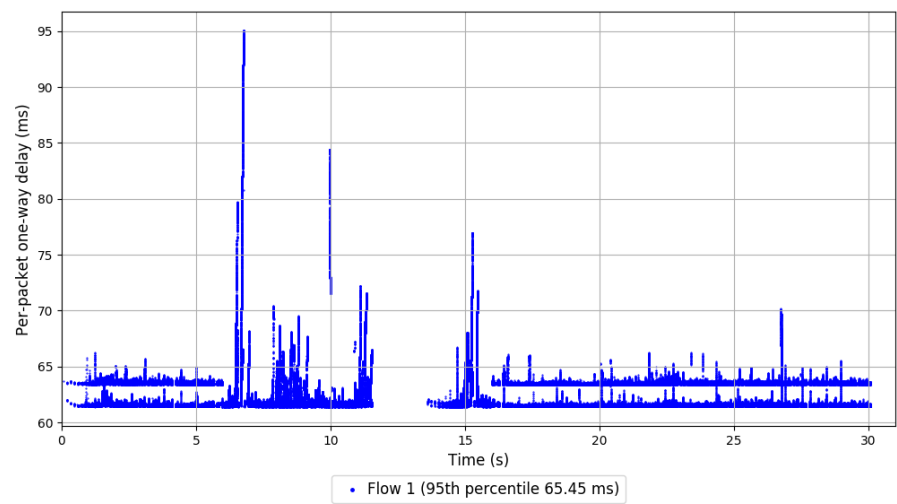
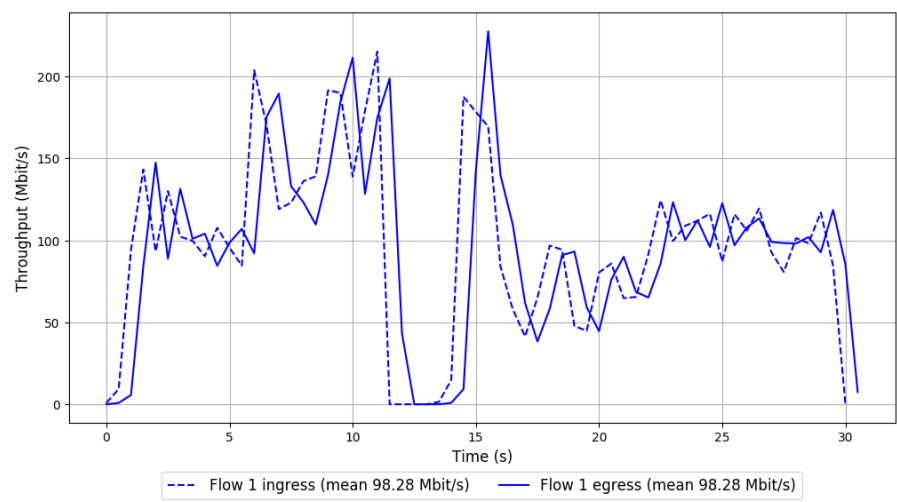


Run 10: Statistics of Copa

Start at: 2018-05-31 09:11:09
End at: 2018-05-31 09:11:39
Local clock offset: 0.358 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-05-31 09:31:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 98.28 Mbit/s
95th percentile per-packet one-way delay: 65.453 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 98.28 Mbit/s
95th percentile per-packet one-way delay: 65.453 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-05-31 05:55:56

End at: 2018-05-31 05:56:26

Local clock offset: 0.587 ms

Remote clock offset: 6.641 ms

Below is generated by plot.py at 2018-05-31 09:31:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 139.62 Mbit/s

95th percentile per-packet one-way delay: 77.654 ms

Loss rate: 0.10%

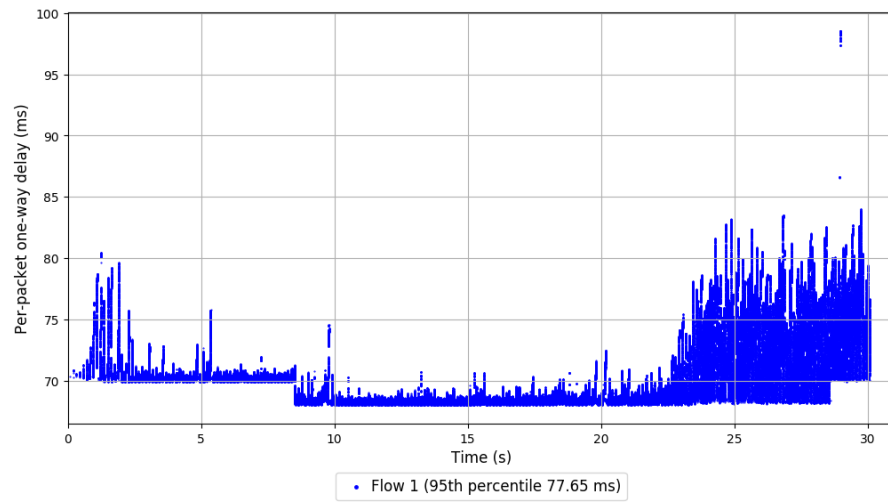
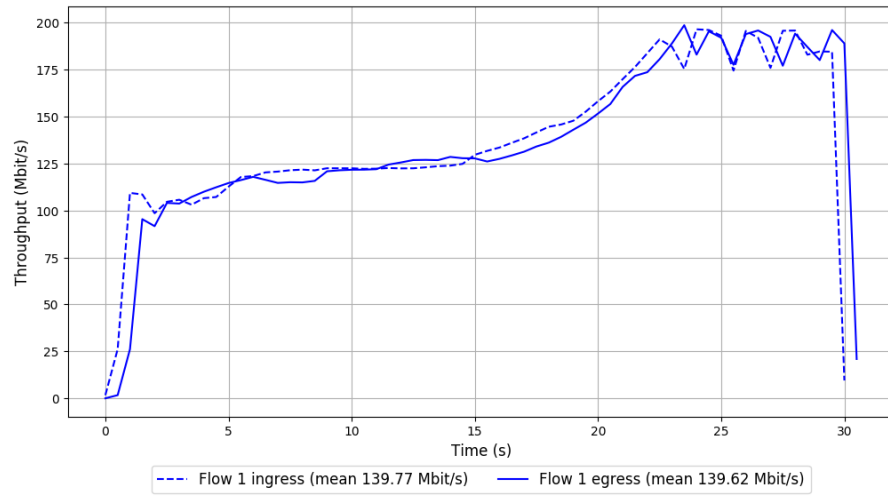
-- Flow 1:

Average throughput: 139.62 Mbit/s

95th percentile per-packet one-way delay: 77.654 ms

Loss rate: 0.10%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-05-31 06:16:13

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

Local clock offset: 0.479 ms

Remote clock offset: 6.609 ms

Below is generated by plot.py at 2018-05-31 09:31:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 134.98 Mbit/s

95th percentile per-packet one-way delay: 79.467 ms

Loss rate: 0.14%

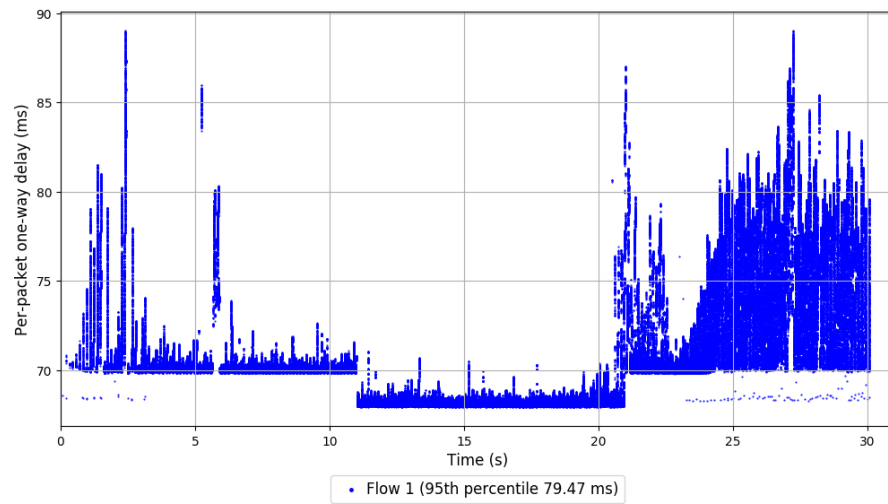
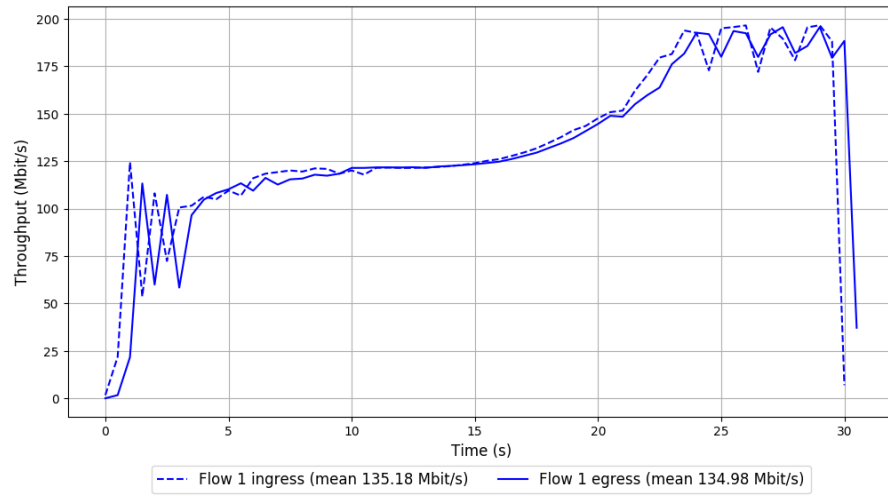
-- Flow 1:

Average throughput: 134.98 Mbit/s

95th percentile per-packet one-way delay: 79.467 ms

Loss rate: 0.14%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-05-31 06:36:37

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

Local clock offset: -0.048 ms

Remote clock offset: 6.611 ms

Below is generated by plot.py at 2018-05-31 09:31:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 177.65 Mbit/s

95th percentile per-packet one-way delay: 79.751 ms

Loss rate: 0.00%

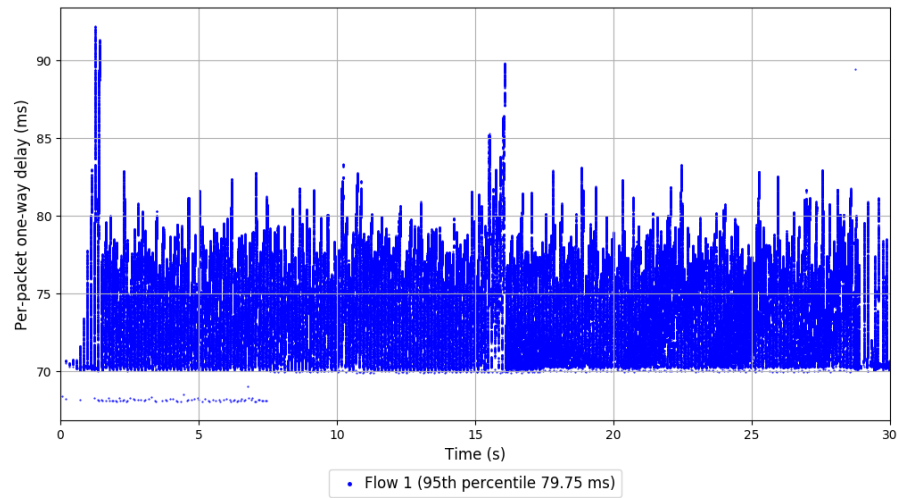
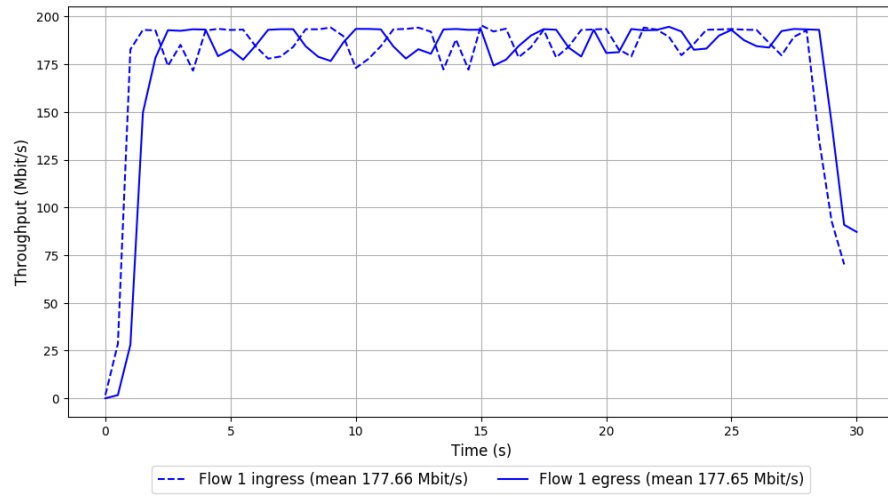
-- Flow 1:

Average throughput: 177.65 Mbit/s

95th percentile per-packet one-way delay: 79.751 ms

Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-05-31 06:56:45

End at: 2018-05-31 06:57:15

Local clock offset: -0.196 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-05-31 09:31:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.42 Mbit/s

95th percentile per-packet one-way delay: 73.441 ms

Loss rate: 0.12%

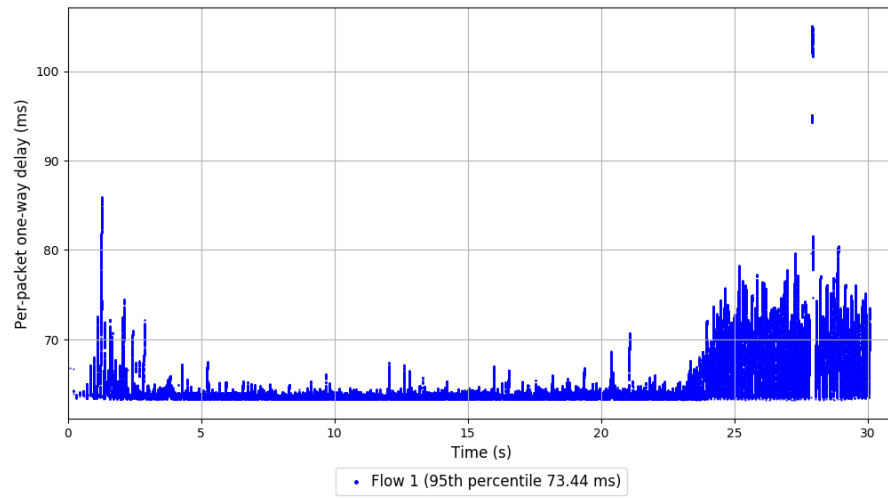
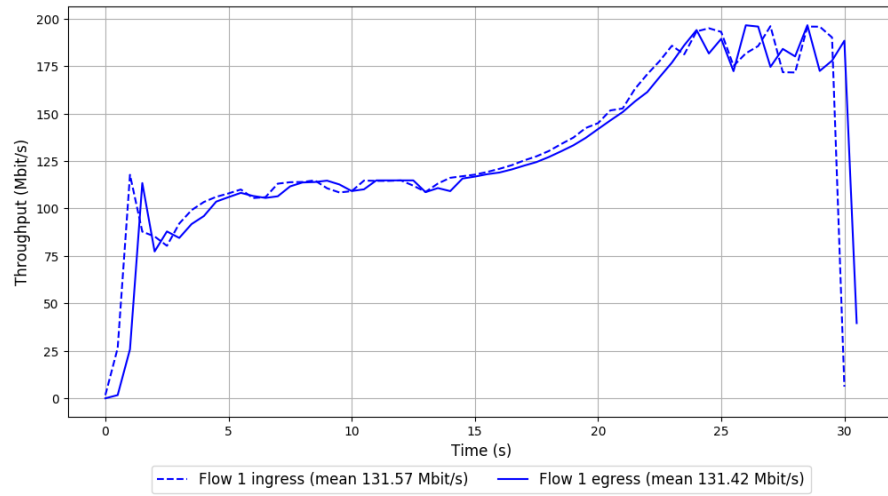
-- Flow 1:

Average throughput: 131.42 Mbit/s

95th percentile per-packet one-way delay: 73.441 ms

Loss rate: 0.12%

Run 4: Report of TCP Cubic — Data Link

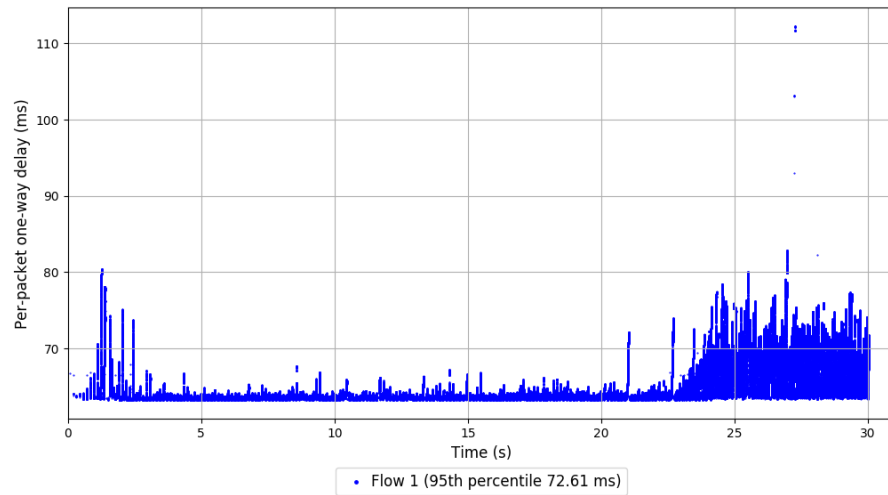
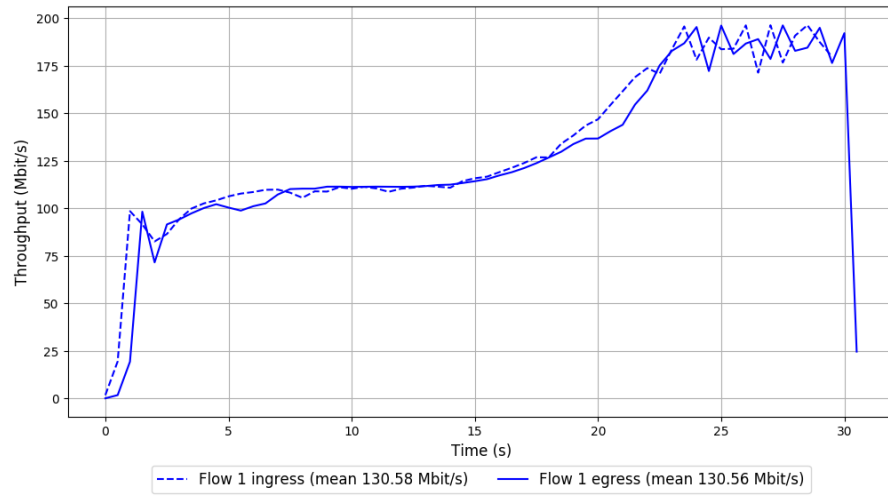


Run 5: Statistics of TCP Cubic

Start at: 2018-05-31 07:16:49
End at: 2018-05-31 07:17:19
Local clock offset: -0.288 ms
Remote clock offset: -0.229 ms

Below is generated by plot.py at 2018-05-31 09:31:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 130.56 Mbit/s
95th percentile per-packet one-way delay: 72.610 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 130.56 Mbit/s
95th percentile per-packet one-way delay: 72.610 ms
Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-05-31 07:36:47

End at: 2018-05-31 07:37:17

Local clock offset: -0.378 ms

Remote clock offset: 6.537 ms

Below is generated by plot.py at 2018-05-31 09:32:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 178.22 Mbit/s

95th percentile per-packet one-way delay: 82.725 ms

Loss rate: 0.00%

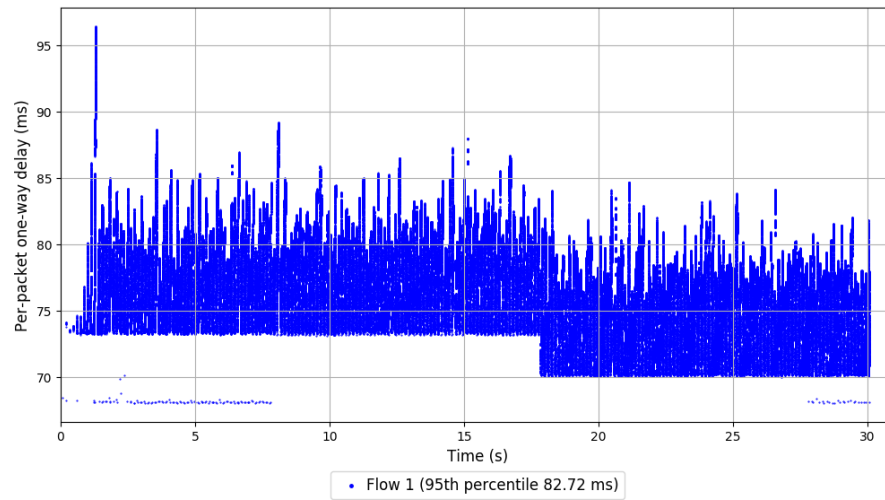
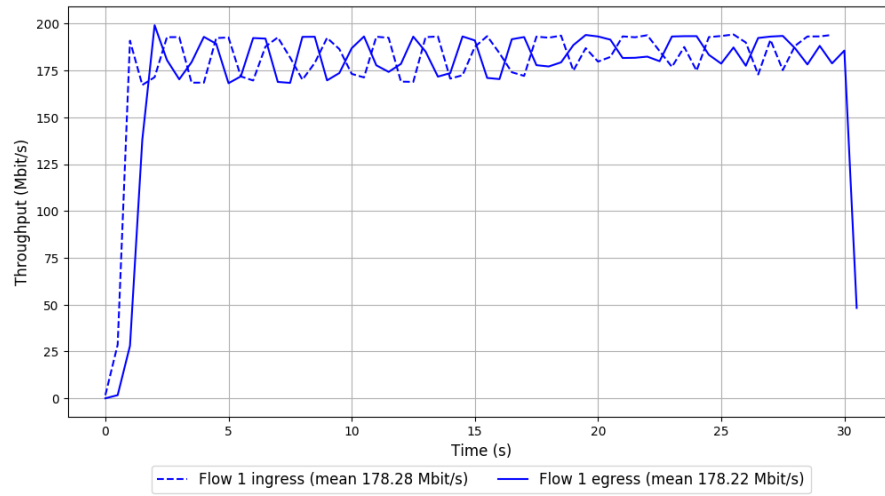
-- Flow 1:

Average throughput: 178.22 Mbit/s

95th percentile per-packet one-way delay: 82.725 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link

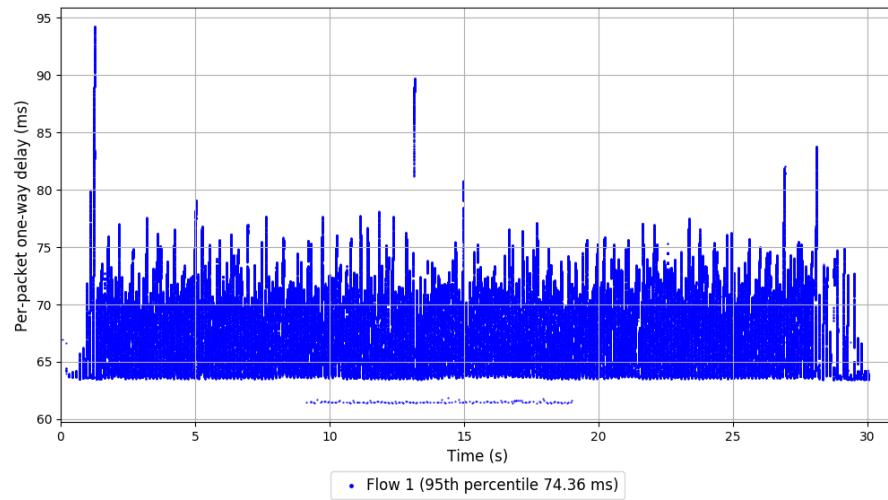
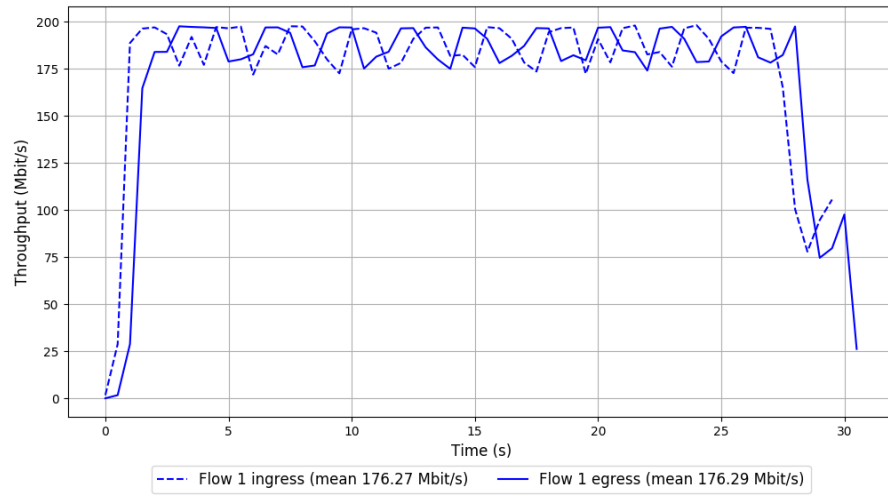


Run 7: Statistics of TCP Cubic

Start at: 2018-05-31 07:57:05
End at: 2018-05-31 07:57:35
Local clock offset: -0.502 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-05-31 09:32:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 176.29 Mbit/s
95th percentile per-packet one-way delay: 74.357 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 176.29 Mbit/s
95th percentile per-packet one-way delay: 74.357 ms
Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-05-31 08:17:06

End at: 2018-05-31 08:17:36

Local clock offset: 0.131 ms

Remote clock offset: 0.122 ms

Below is generated by plot.py at 2018-05-31 09:32:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 129.99 Mbit/s

95th percentile per-packet one-way delay: 74.889 ms

Loss rate: 0.00%

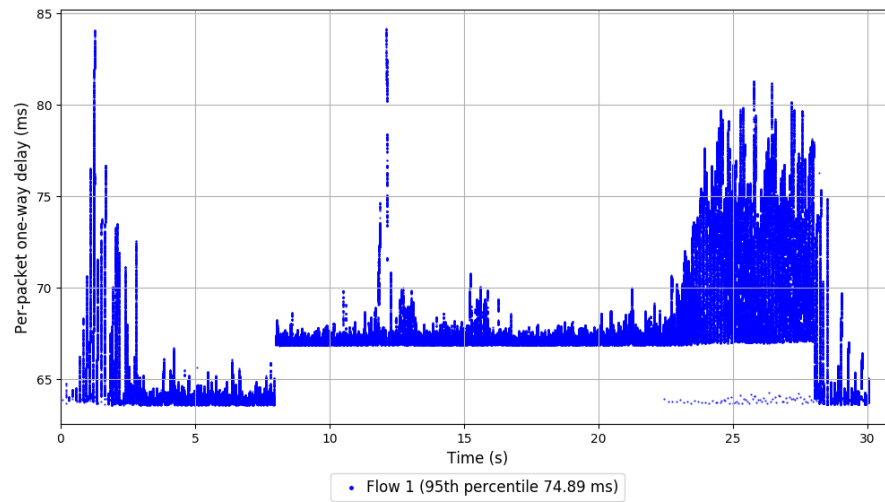
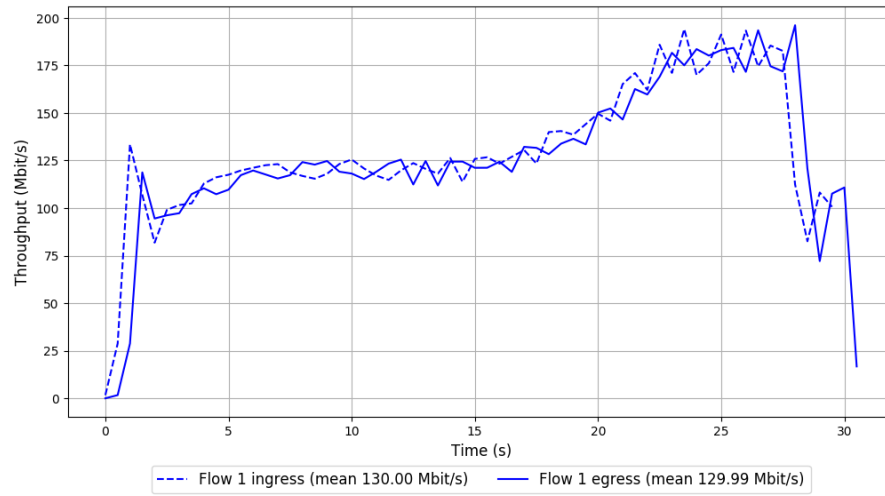
-- Flow 1:

Average throughput: 129.99 Mbit/s

95th percentile per-packet one-way delay: 74.889 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-05-31 08:37:21

End at: 2018-05-31 08:37:51

Local clock offset: 0.212 ms

Remote clock offset: 0.149 ms

Below is generated by plot.py at 2018-05-31 09:32:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 135.41 Mbit/s

95th percentile per-packet one-way delay: 69.956 ms

Loss rate: 0.00%

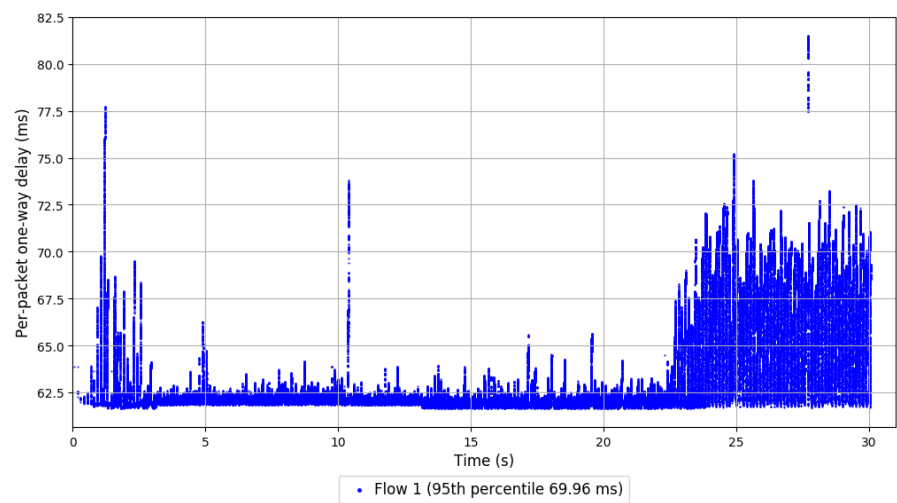
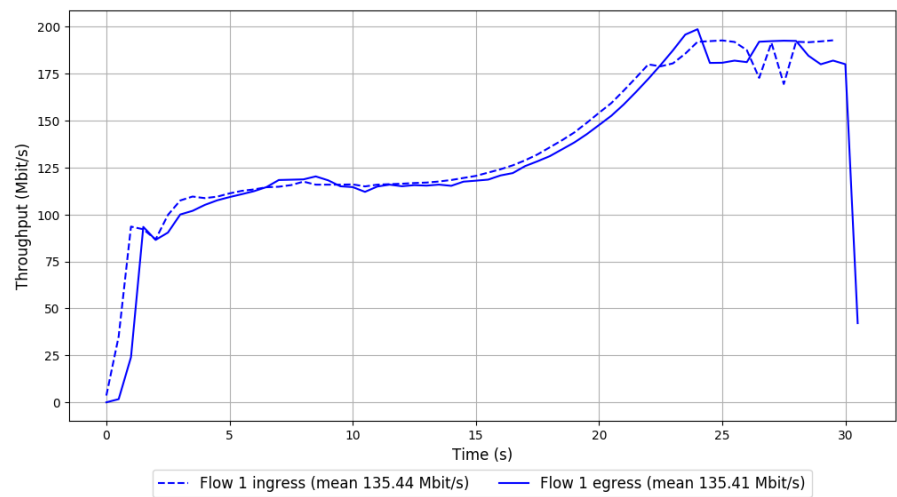
-- Flow 1:

Average throughput: 135.41 Mbit/s

95th percentile per-packet one-way delay: 69.956 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-05-31 08:57:28

End at: 2018-05-31 08:57:58

Local clock offset: 0.409 ms

Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-05-31 09:33:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 119.24 Mbit/s

95th percentile per-packet one-way delay: 70.667 ms

Loss rate: 0.00%

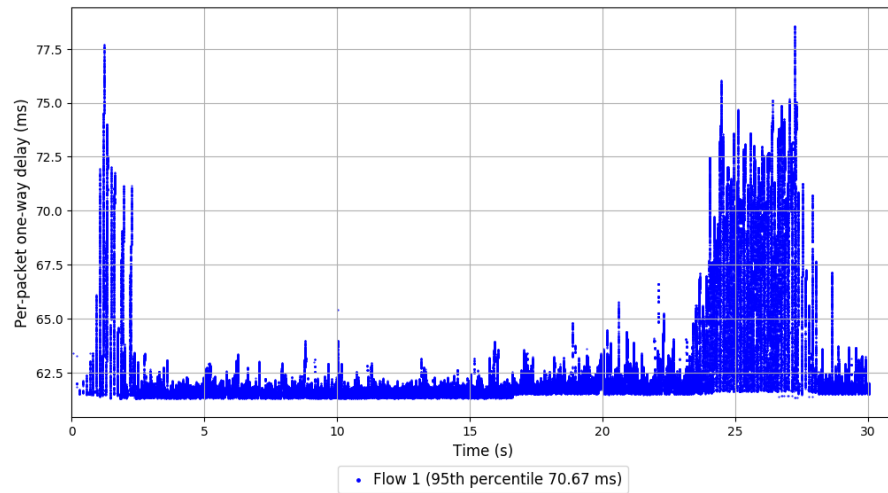
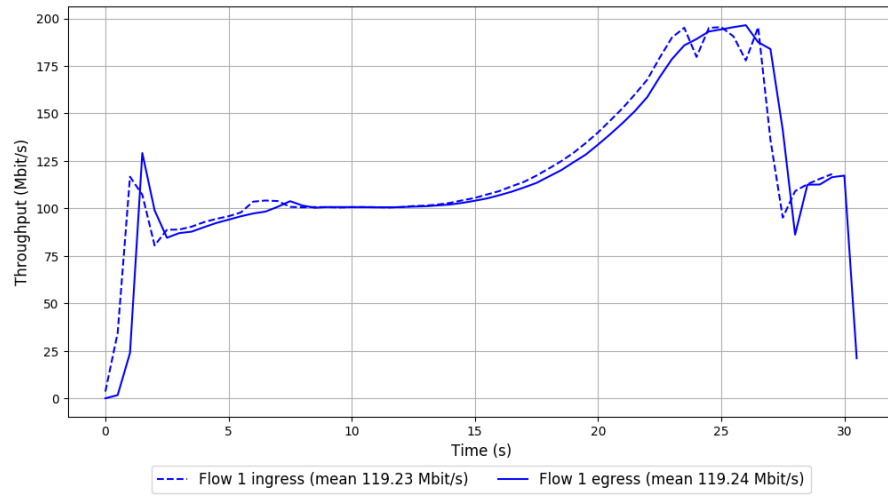
-- Flow 1:

Average throughput: 119.24 Mbit/s

95th percentile per-packet one-way delay: 70.667 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-05-31 06:05:49

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

Local clock offset: 0.7 ms

Remote clock offset: 6.581 ms

Below is generated by plot.py at 2018-05-31 09:45:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 602.42 Mbit/s

95th percentile per-packet one-way delay: 263.921 ms

Loss rate: 0.41%

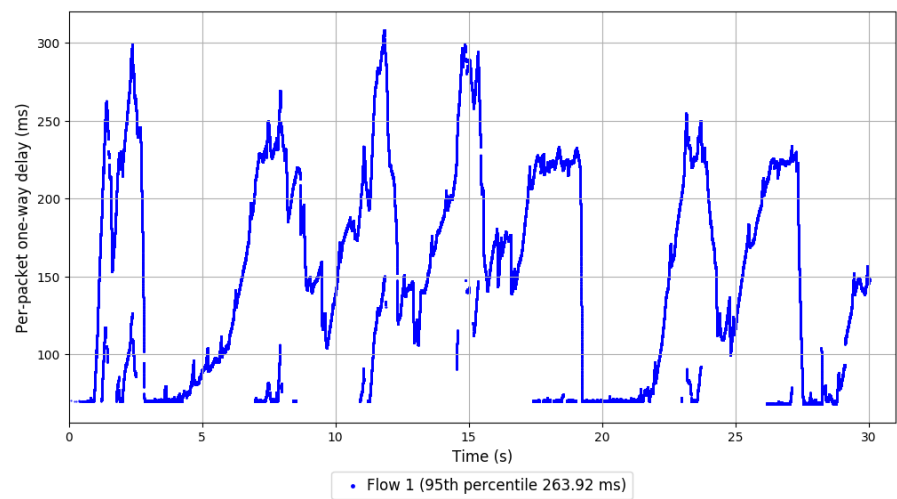
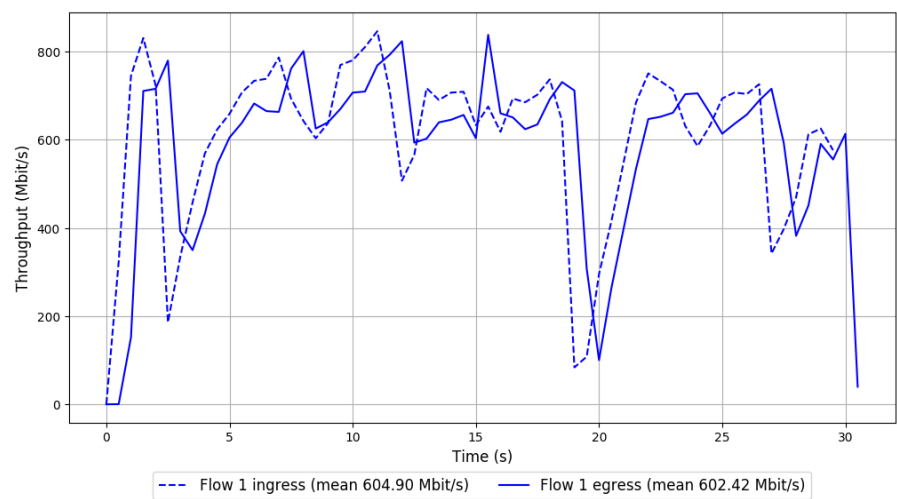
-- Flow 1:

Average throughput: 602.42 Mbit/s

95th percentile per-packet one-way delay: 263.921 ms

Loss rate: 0.41%

Run 1: Report of FillP — Data Link

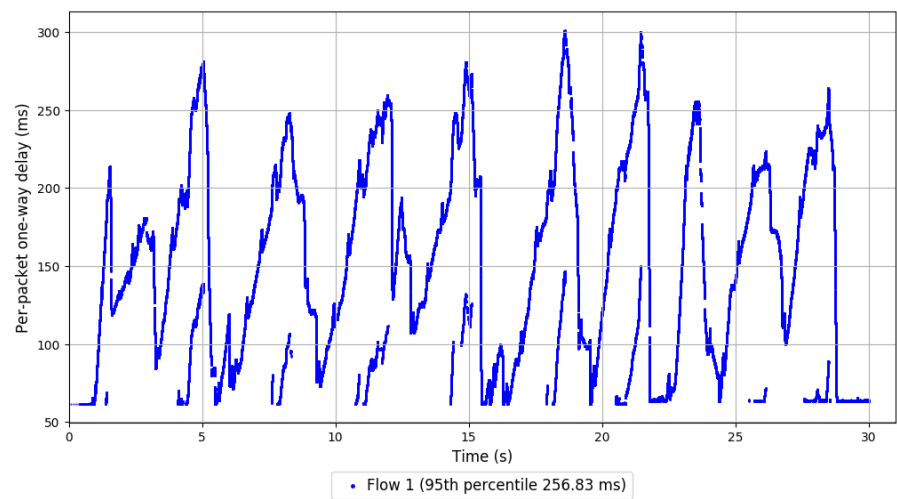
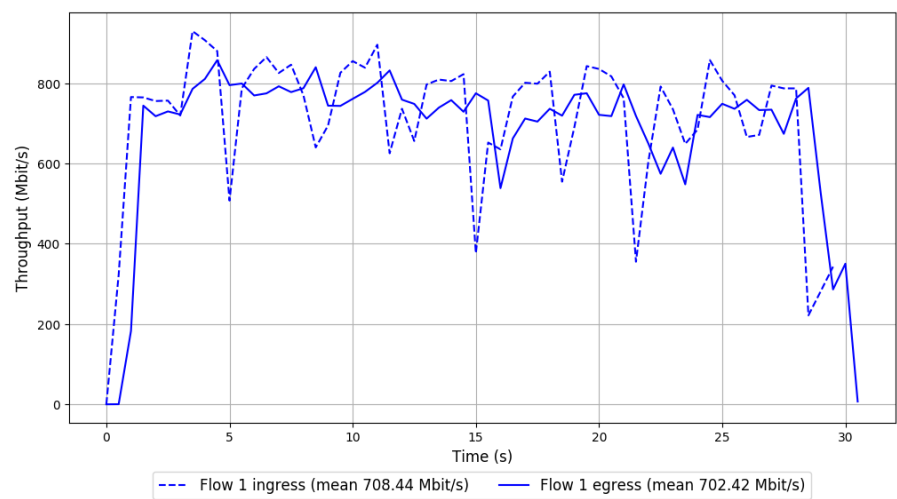


Run 2: Statistics of FillP

Start at: 2018-05-31 06:26:03
End at: 2018-05-31 06:26:33
Local clock offset: 0.104 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-05-31 09:46:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 702.42 Mbit/s
95th percentile per-packet one-way delay: 256.833 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 702.42 Mbit/s
95th percentile per-packet one-way delay: 256.833 ms
Loss rate: 0.84%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-05-31 06:46:16

End at: 2018-05-31 06:46:46

Local clock offset: -0.151 ms

Remote clock offset: 6.46 ms

Below is generated by plot.py at 2018-05-31 09:46:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 575.57 Mbit/s

95th percentile per-packet one-way delay: 239.976 ms

Loss rate: 0.12%

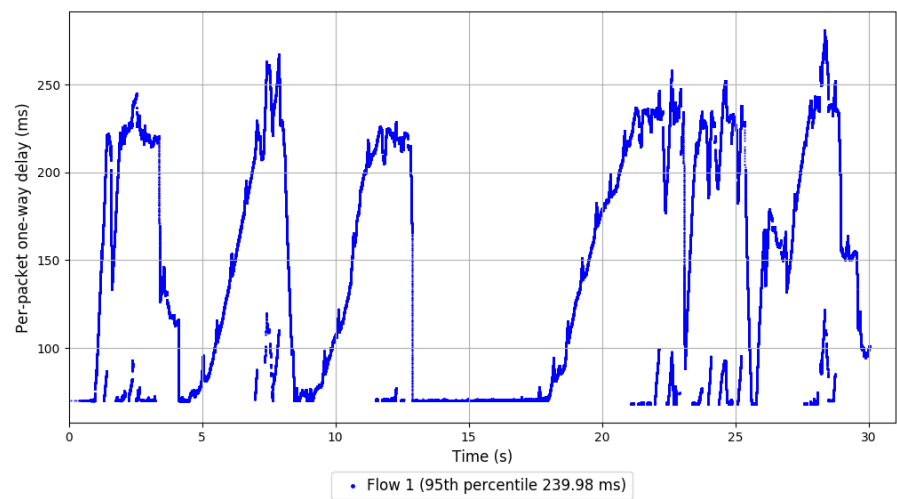
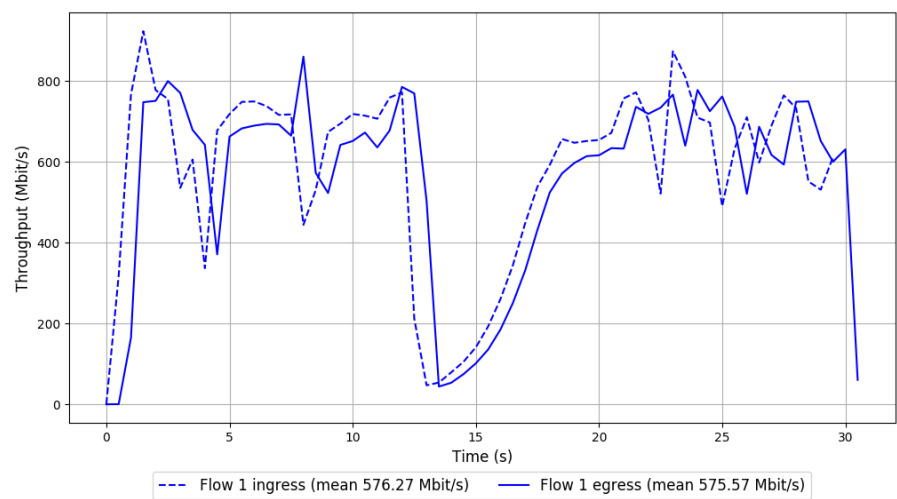
-- Flow 1:

Average throughput: 575.57 Mbit/s

95th percentile per-packet one-way delay: 239.976 ms

Loss rate: 0.12%

Run 3: Report of FillP — Data Link

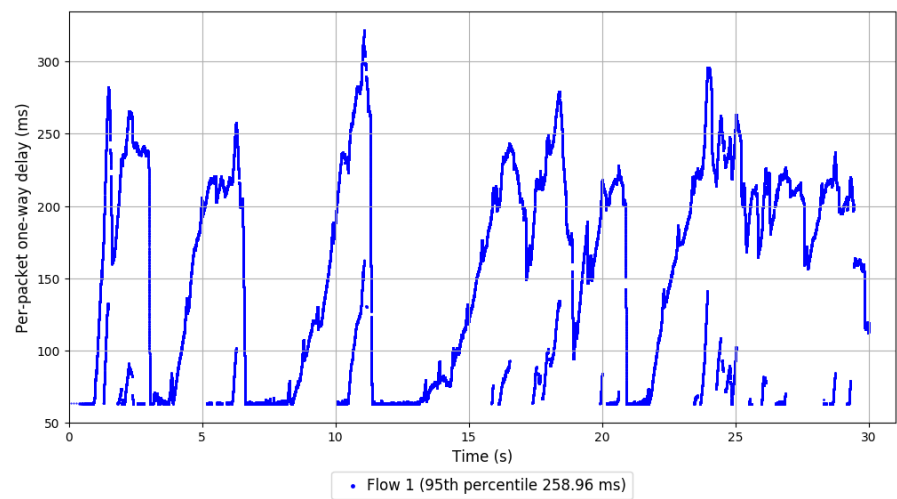
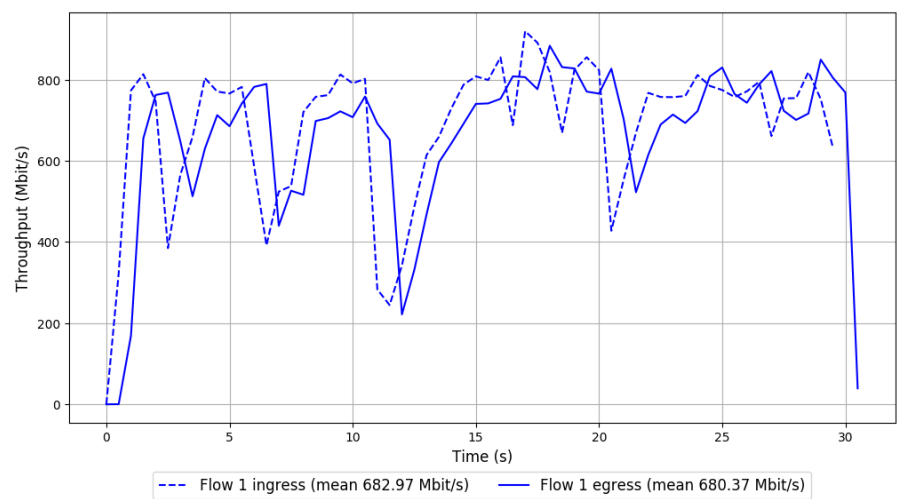


Run 4: Statistics of FillP

Start at: 2018-05-31 07:06:24
End at: 2018-05-31 07:06:54
Local clock offset: -0.215 ms
Remote clock offset: -0.196 ms

Below is generated by plot.py at 2018-05-31 09:46:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 680.37 Mbit/s
95th percentile per-packet one-way delay: 258.959 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 680.37 Mbit/s
95th percentile per-packet one-way delay: 258.959 ms
Loss rate: 0.38%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

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

End at: 2018-05-31 07:26:44

Local clock offset: -0.318 ms

Remote clock offset: 6.465 ms

Below is generated by plot.py at 2018-05-31 09:46:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 675.90 Mbit/s

95th percentile per-packet one-way delay: 256.243 ms

Loss rate: 1.64%

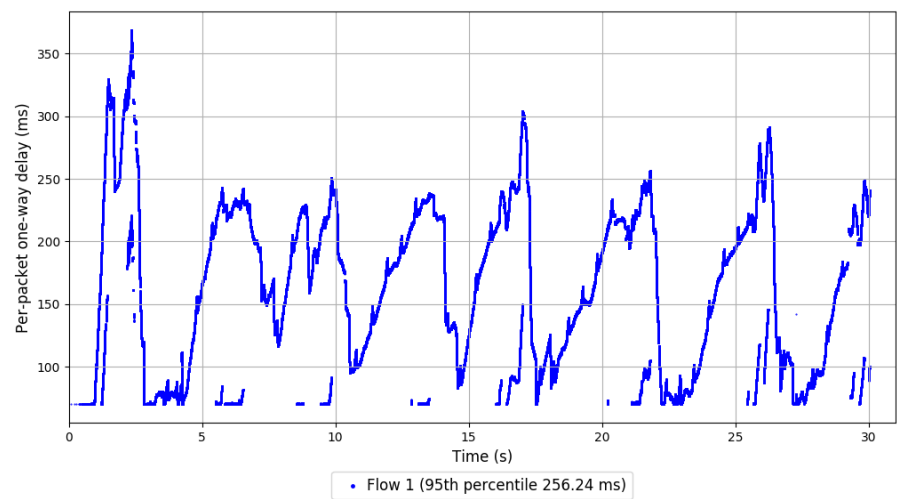
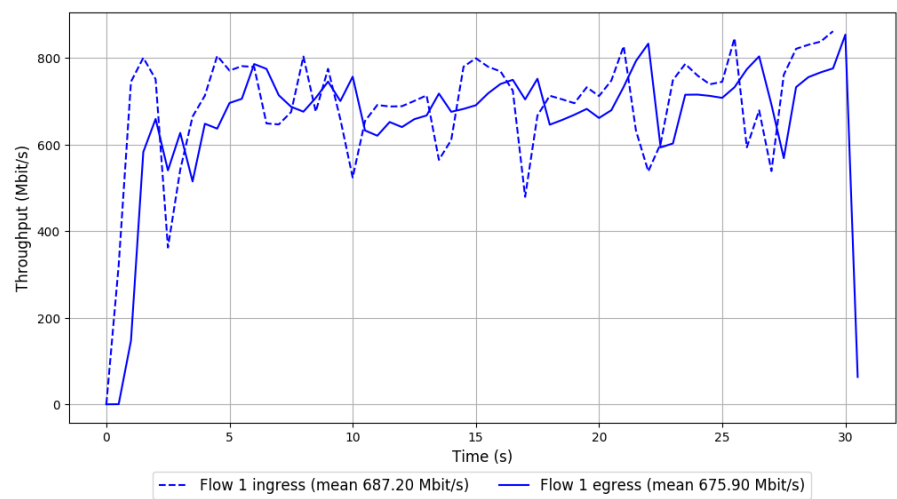
-- Flow 1:

Average throughput: 675.90 Mbit/s

95th percentile per-packet one-way delay: 256.243 ms

Loss rate: 1.64%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-05-31 07:46:33

End at: 2018-05-31 07:47:03

Local clock offset: -0.468 ms

Remote clock offset: 6.338 ms

Below is generated by plot.py at 2018-05-31 09:47:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 708.09 Mbit/s

95th percentile per-packet one-way delay: 280.026 ms

Loss rate: 1.07%

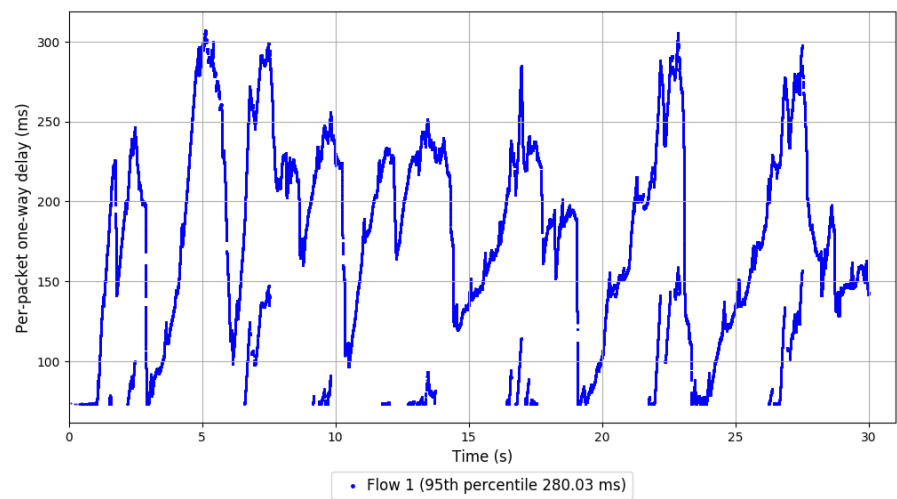
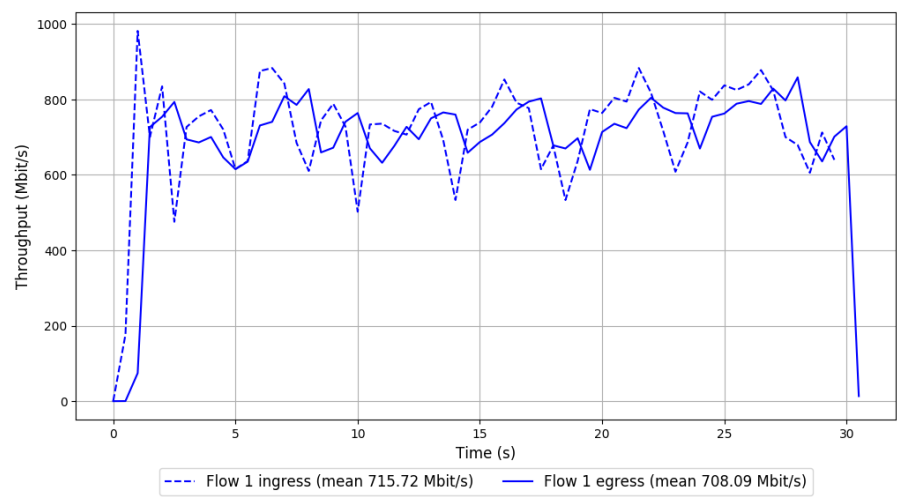
-- Flow 1:

Average throughput: 708.09 Mbit/s

95th percentile per-packet one-way delay: 280.026 ms

Loss rate: 1.07%

Run 6: Report of FillP — Data Link

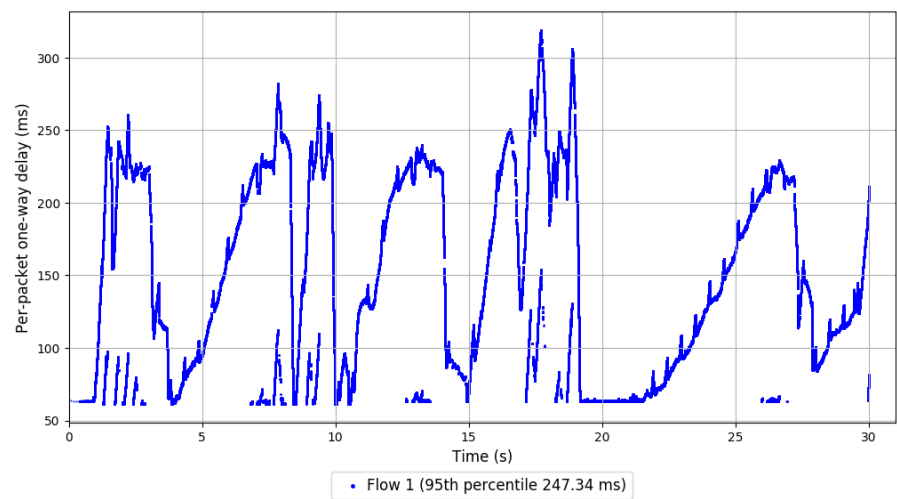
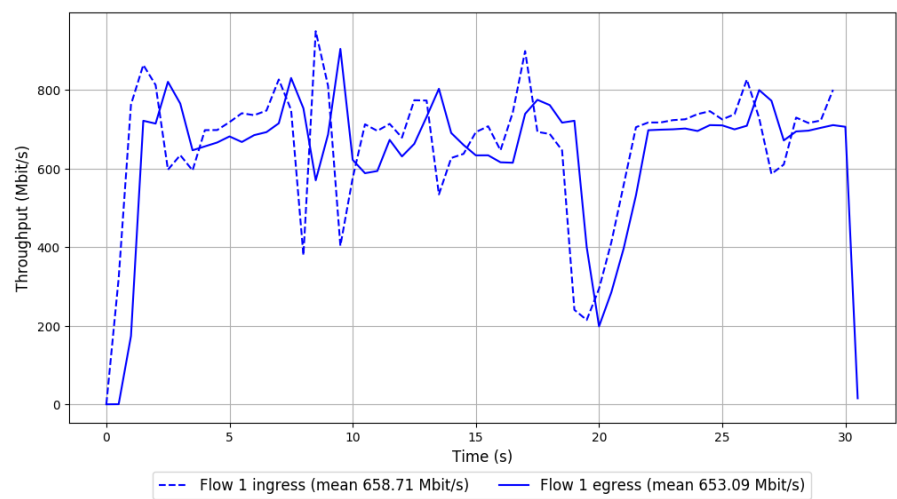


Run 7: Statistics of FillP

Start at: 2018-05-31 08:06:33
End at: 2018-05-31 08:07:03
Local clock offset: -0.121 ms
Remote clock offset: -0.318 ms

Below is generated by plot.py at 2018-05-31 09:47:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 653.09 Mbit/s
95th percentile per-packet one-way delay: 247.335 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 653.09 Mbit/s
95th percentile per-packet one-way delay: 247.335 ms
Loss rate: 0.84%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-05-31 08:26:52

End at: 2018-05-31 08:27:22

Local clock offset: 0.2 ms

Remote clock offset: -0.17 ms

Below is generated by plot.py at 2018-05-31 09:47:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 646.56 Mbit/s

95th percentile per-packet one-way delay: 246.169 ms

Loss rate: 0.27%

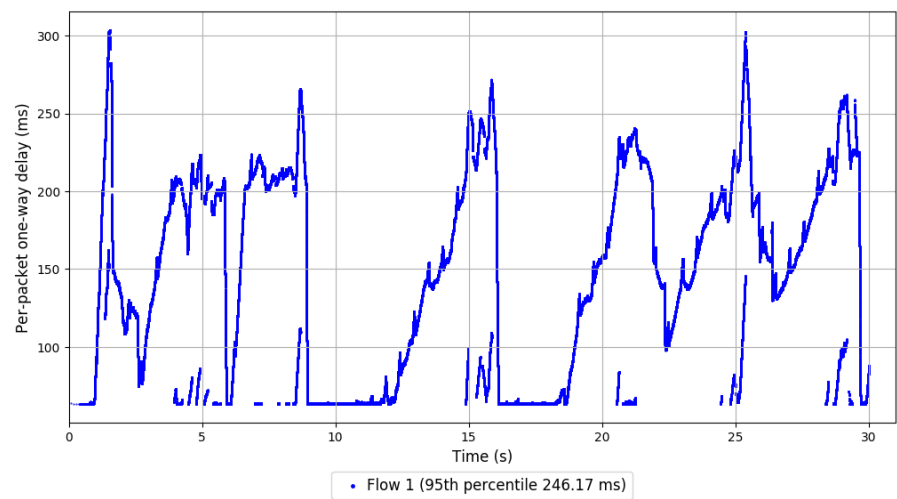
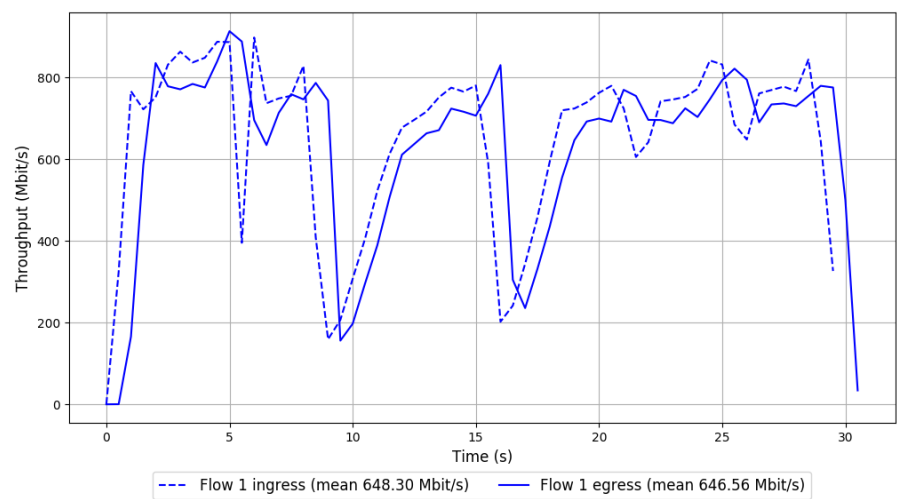
-- Flow 1:

Average throughput: 646.56 Mbit/s

95th percentile per-packet one-way delay: 246.169 ms

Loss rate: 0.27%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-05-31 08:47:03

End at: 2018-05-31 08:47:33

Local clock offset: 0.276 ms

Remote clock offset: 0.141 ms

Below is generated by plot.py at 2018-05-31 09:57:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 607.74 Mbit/s

95th percentile per-packet one-way delay: 274.527 ms

Loss rate: 0.97%

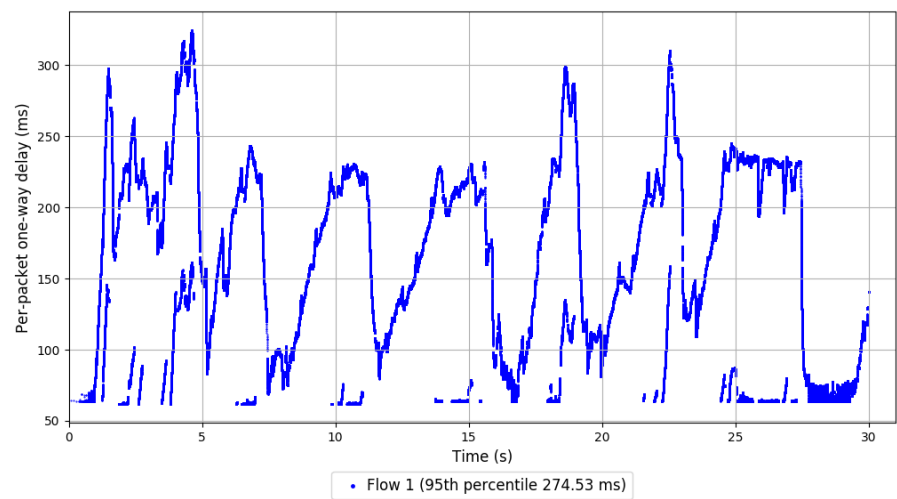
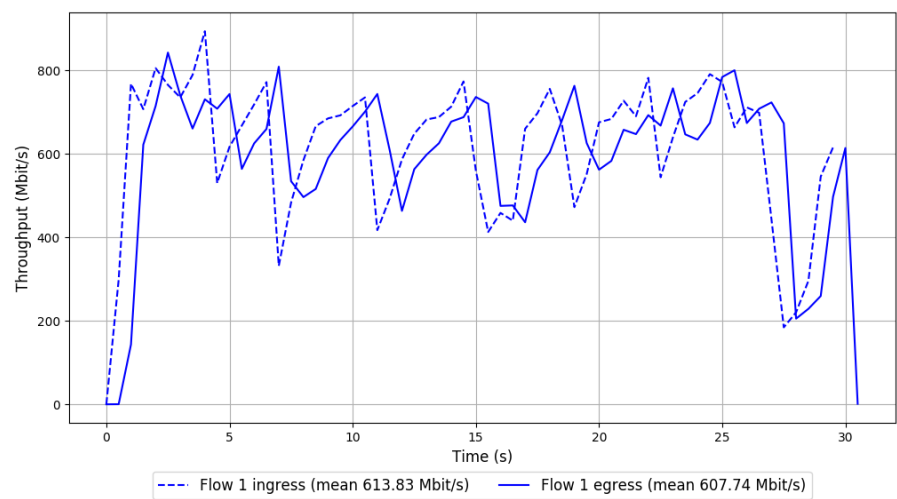
-- Flow 1:

Average throughput: 607.74 Mbit/s

95th percentile per-packet one-way delay: 274.527 ms

Loss rate: 0.97%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-05-31 09:07:14

End at: 2018-05-31 09:07:44

Local clock offset: 0.371 ms

Remote clock offset: 6.607 ms

Below is generated by plot.py at 2018-05-31 09:59:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 701.23 Mbit/s

95th percentile per-packet one-way delay: 250.268 ms

Loss rate: 0.80%

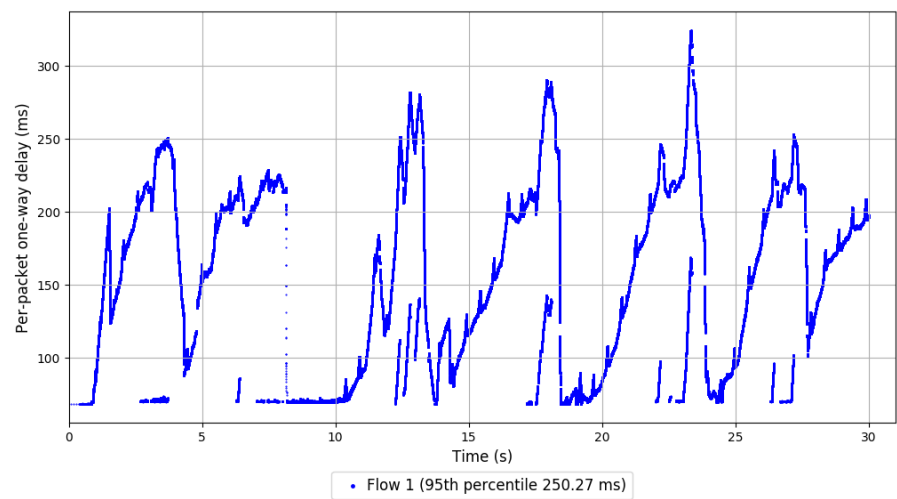
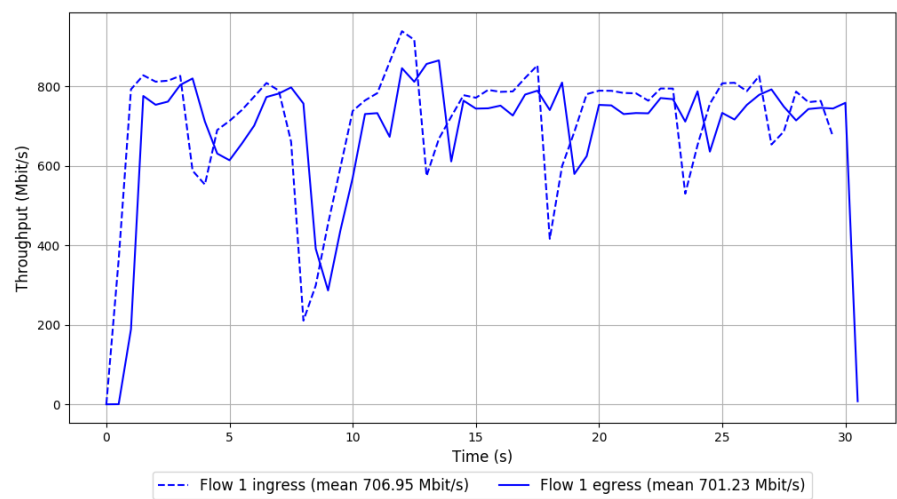
-- Flow 1:

Average throughput: 701.23 Mbit/s

95th percentile per-packet one-way delay: 250.268 ms

Loss rate: 0.80%

Run 10: Report of FillP — Data Link

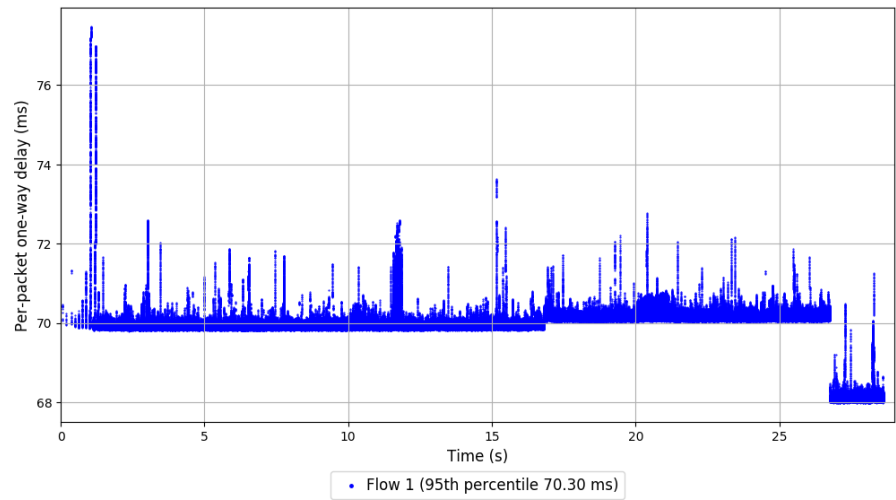
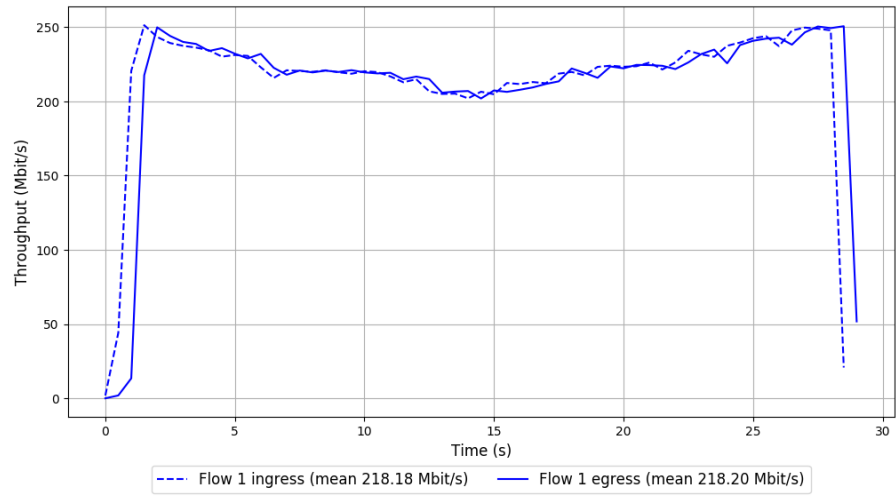


```
Run 1: Statistics of Indigo

Start at: 2018-05-31 05:53:16
End at: 2018-05-31 05:53:46
Local clock offset: 0.571 ms
Remote clock offset: 6.541 ms

# Below is generated by plot.py at 2018-05-31 09:59:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 218.20 Mbit/s
95th percentile per-packet one-way delay: 70.295 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 218.20 Mbit/s
95th percentile per-packet one-way delay: 70.295 ms
Loss rate: 0.00%
```


Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-05-31 06:13:35

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

Local clock offset: 0.697 ms

Remote clock offset: 6.602 ms

Below is generated by plot.py at 2018-05-31 09:59:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.75 Mbit/s

95th percentile per-packet one-way delay: 70.543 ms

Loss rate: 0.00%

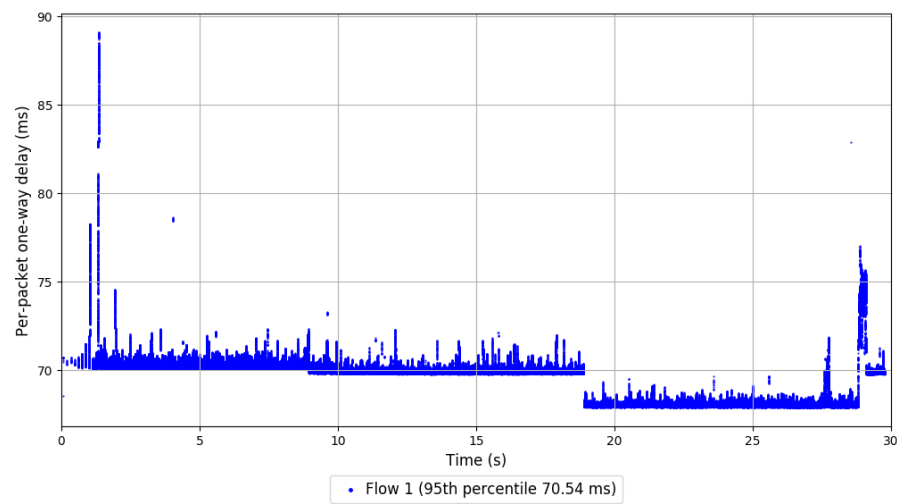
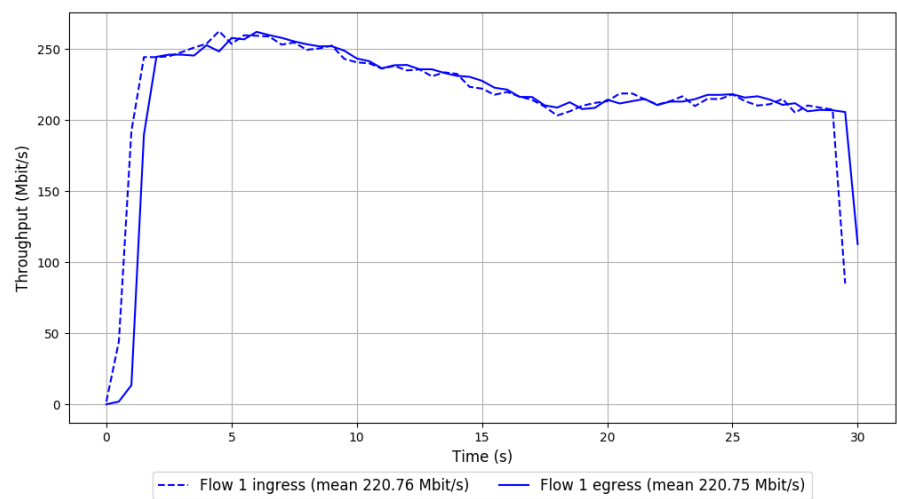
-- Flow 1:

Average throughput: 220.75 Mbit/s

95th percentile per-packet one-way delay: 70.543 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-05-31 06:33:56

End at: 2018-05-31 06:34:26

Local clock offset: -0.013 ms

Remote clock offset: 6.657 ms

Below is generated by plot.py at 2018-05-31 09:59:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.02 Mbit/s

95th percentile per-packet one-way delay: 70.702 ms

Loss rate: 0.00%

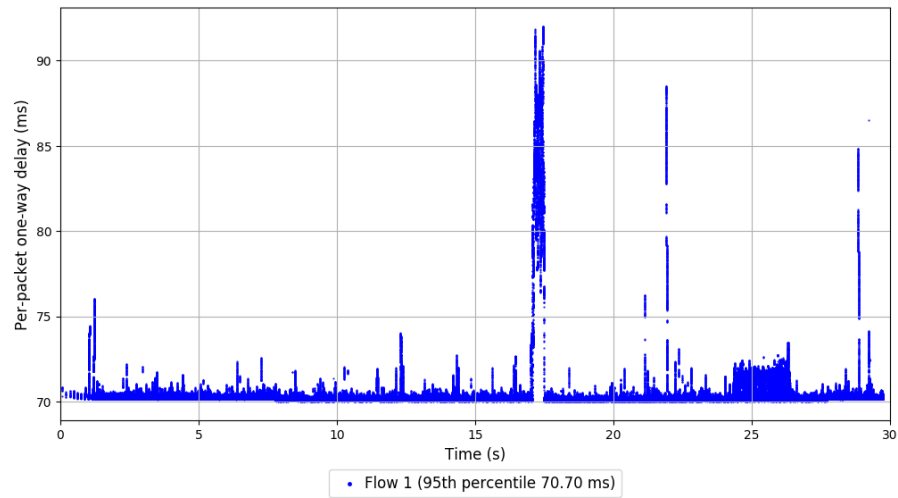
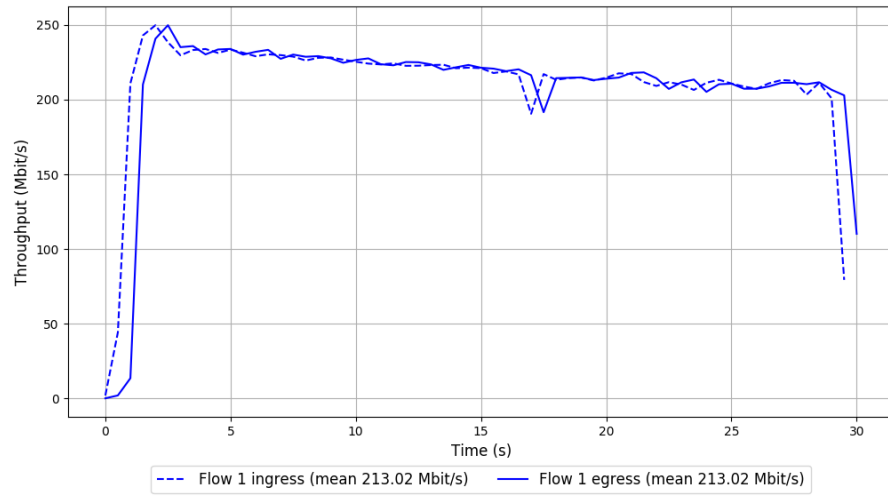
-- Flow 1:

Average throughput: 213.02 Mbit/s

95th percentile per-packet one-way delay: 70.702 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

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

End at: 2018-05-31 06:54:35

Local clock offset: -0.192 ms

Remote clock offset: 6.471 ms

Below is generated by plot.py at 2018-05-31 09:59:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.84 Mbit/s

95th percentile per-packet one-way delay: 70.361 ms

Loss rate: 0.00%

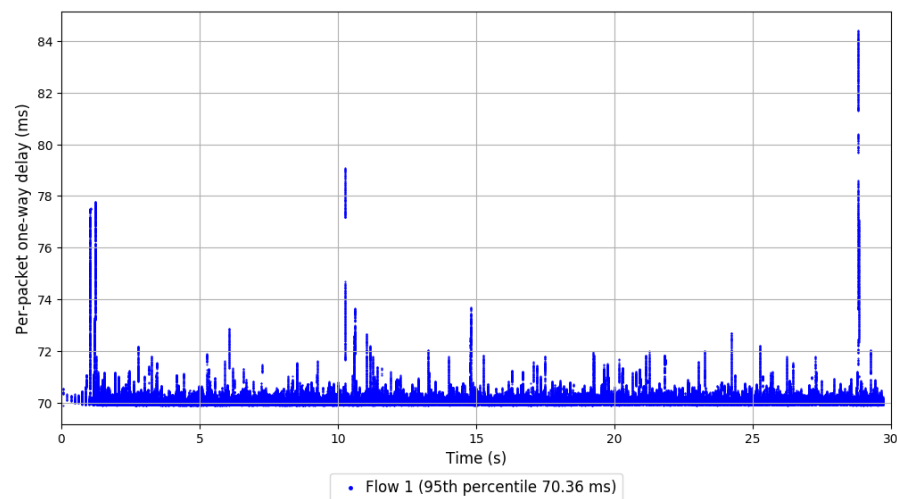
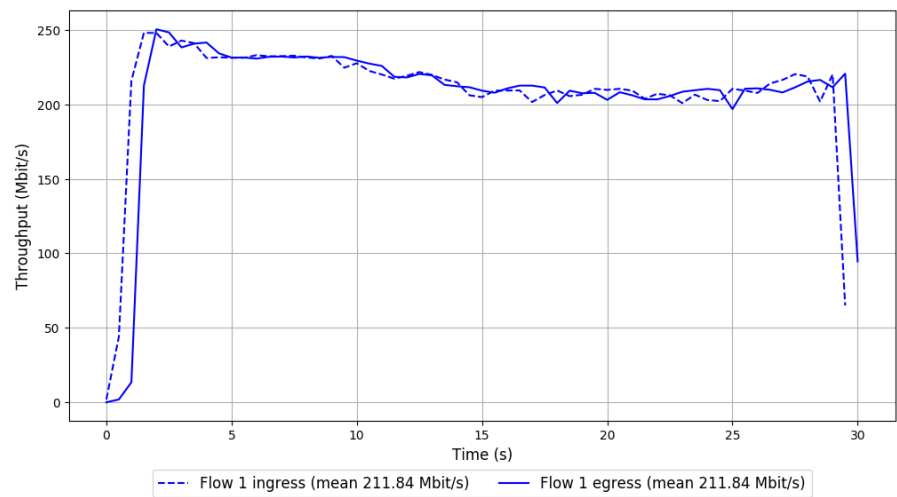
-- Flow 1:

Average throughput: 211.84 Mbit/s

95th percentile per-packet one-way delay: 70.361 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

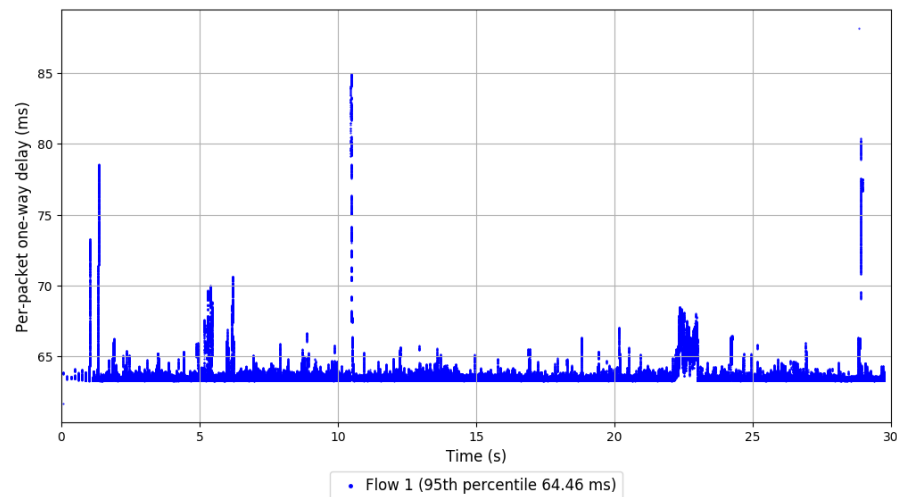
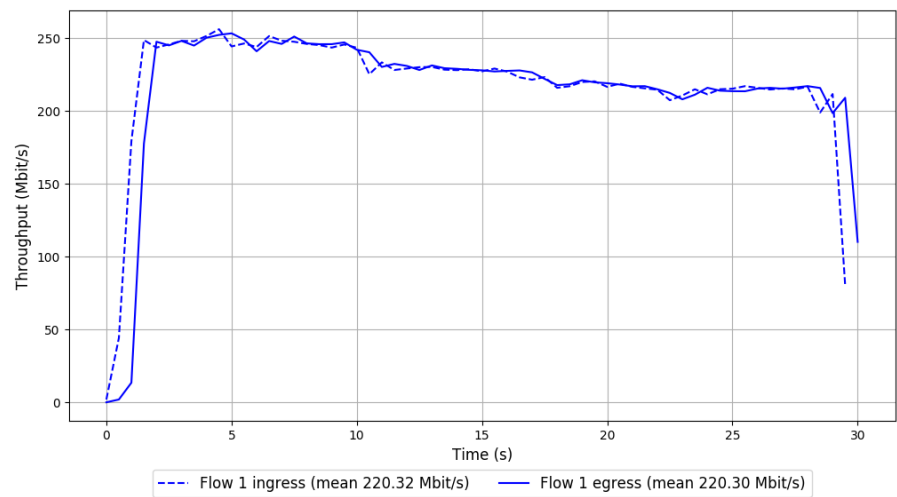


Run 5: Statistics of Indigo

Start at: 2018-05-31 07:14:08
End at: 2018-05-31 07:14:38
Local clock offset: -0.262 ms
Remote clock offset: -0.186 ms

Below is generated by plot.py at 2018-05-31 09:59:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 220.30 Mbit/s
95th percentile per-packet one-way delay: 64.456 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 220.30 Mbit/s
95th percentile per-packet one-way delay: 64.456 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

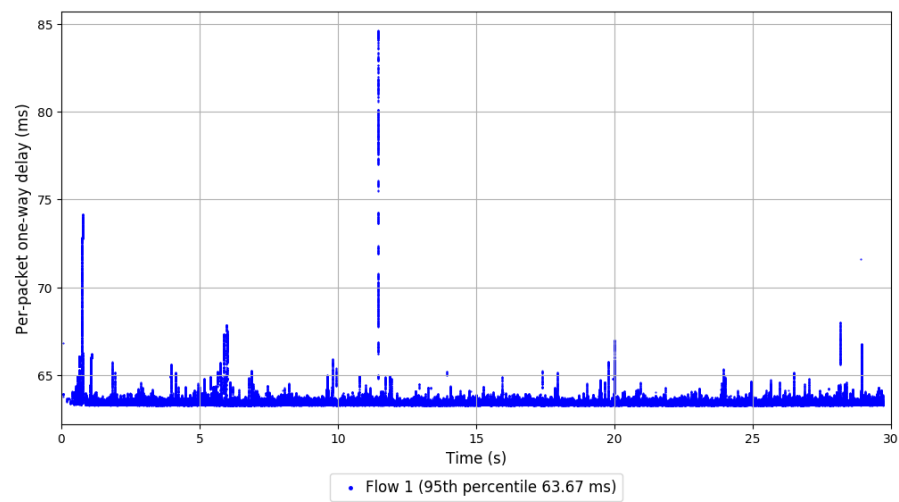
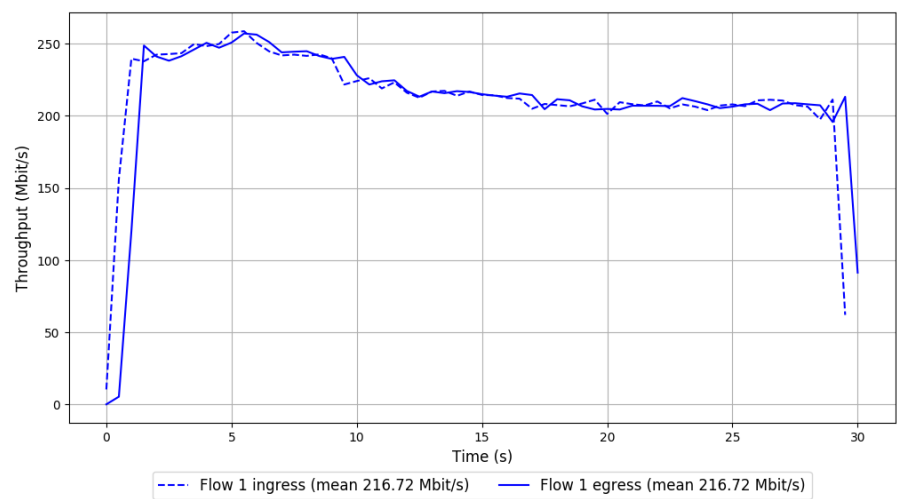


Run 6: Statistics of Indigo

Start at: 2018-05-31 07:34:07
End at: 2018-05-31 07:34:37
Local clock offset: -0.359 ms
Remote clock offset: -0.158 ms

Below is generated by plot.py at 2018-05-31 09:59:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.72 Mbit/s
95th percentile per-packet one-way delay: 63.668 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 216.72 Mbit/s
95th percentile per-packet one-way delay: 63.668 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

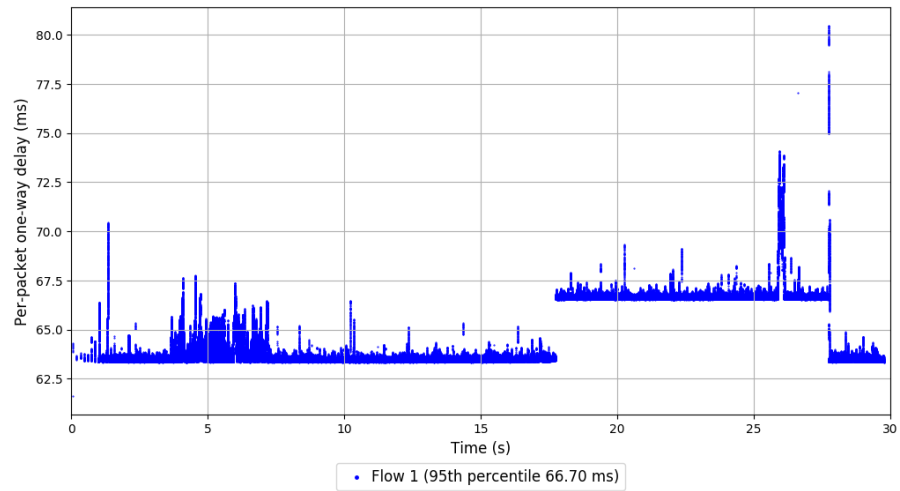
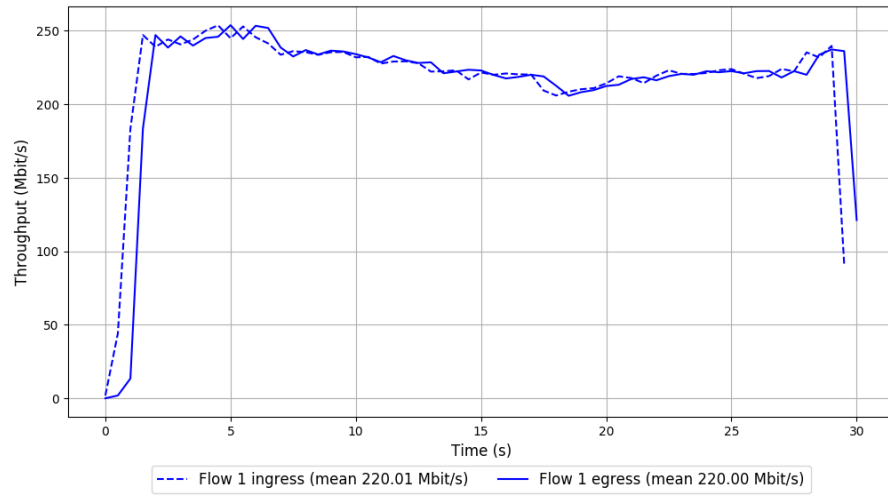


Run 7: Statistics of Indigo

Start at: 2018-05-31 07:54:26
End at: 2018-05-31 07:54:56
Local clock offset: -0.452 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-05-31 09:59:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 220.00 Mbit/s
95th percentile per-packet one-way delay: 66.702 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 220.00 Mbit/s
95th percentile per-packet one-way delay: 66.702 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

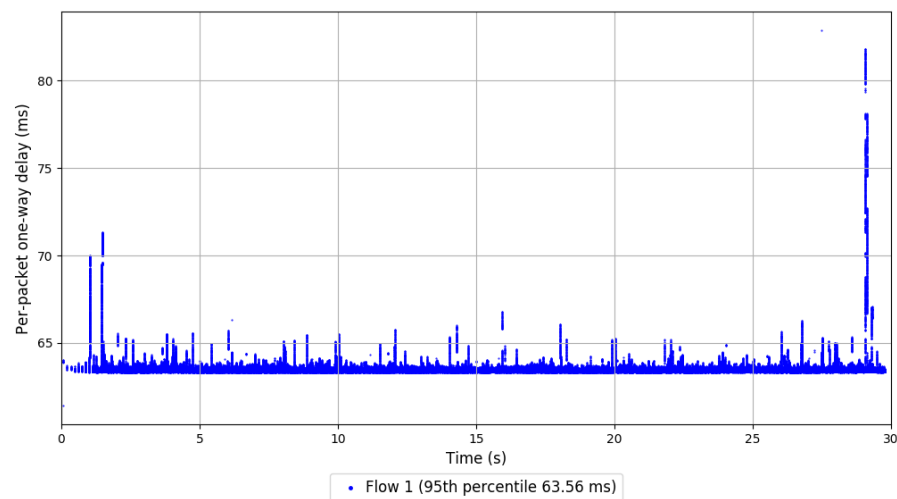
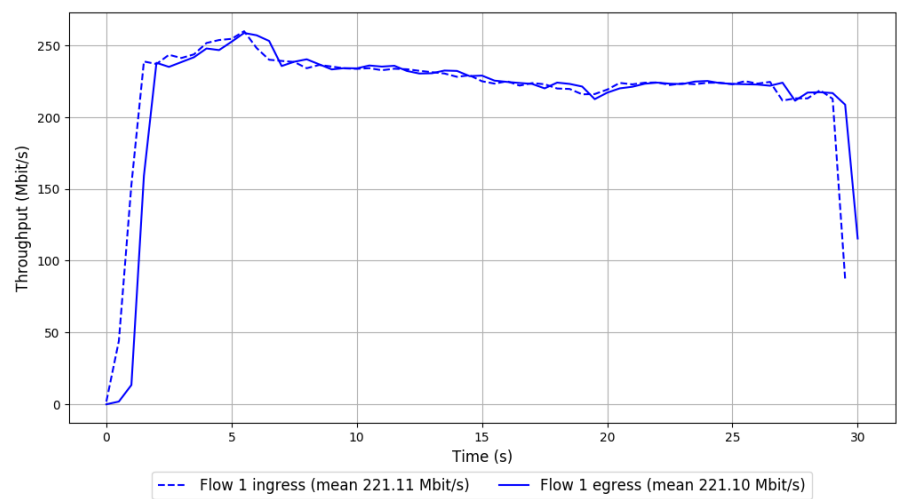


Run 8: Statistics of Indigo

Start at: 2018-05-31 08:14:27
End at: 2018-05-31 08:14:57
Local clock offset: 0.059 ms
Remote clock offset: -0.193 ms

Below is generated by plot.py at 2018-05-31 09:59:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.10 Mbit/s
95th percentile per-packet one-way delay: 63.564 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 221.10 Mbit/s
95th percentile per-packet one-way delay: 63.564 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-05-31 08:34:43

End at: 2018-05-31 08:35:13

Local clock offset: 0.232 ms

Remote clock offset: 0.052 ms

Below is generated by plot.py at 2018-05-31 09:59:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.69 Mbit/s

95th percentile per-packet one-way delay: 61.964 ms

Loss rate: 0.00%

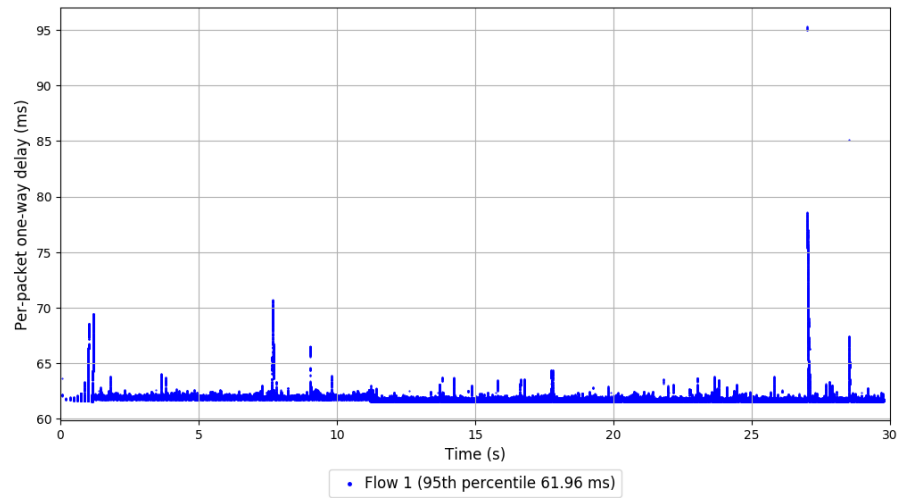
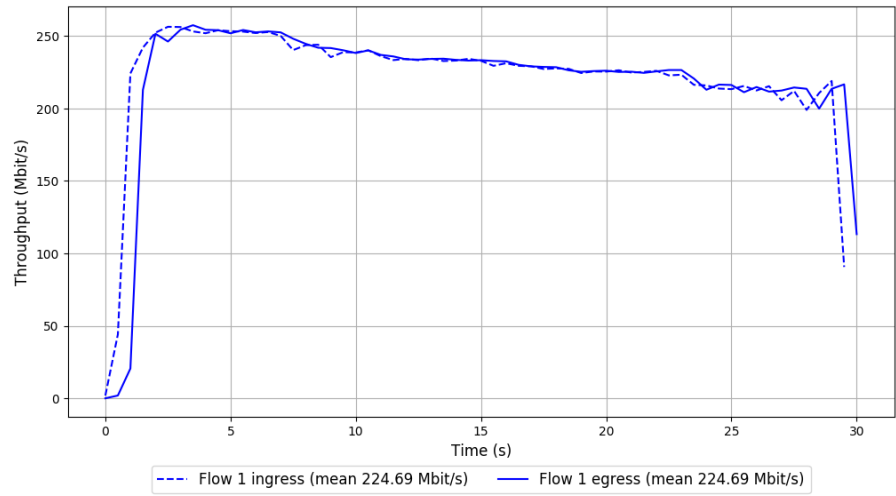
-- Flow 1:

Average throughput: 224.69 Mbit/s

95th percentile per-packet one-way delay: 61.964 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

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

End at: 2018-05-31 08:55:20

Local clock offset: 0.318 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-05-31 09:59:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.49 Mbit/s

95th percentile per-packet one-way delay: 61.866 ms

Loss rate: 0.00%

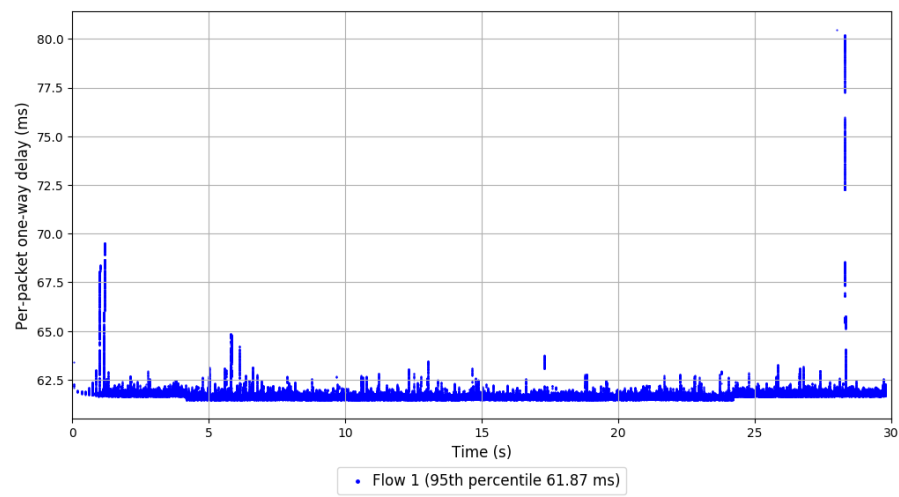
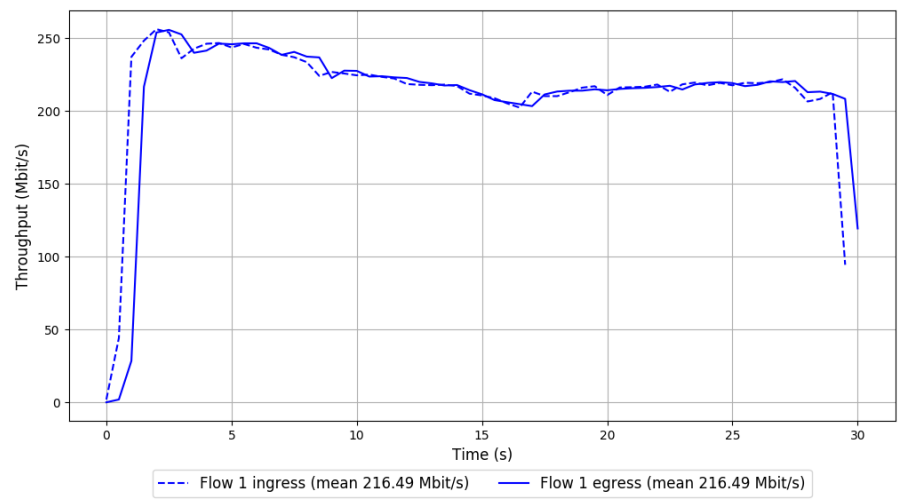
-- Flow 1:

Average throughput: 216.49 Mbit/s

95th percentile per-packet one-way delay: 61.866 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

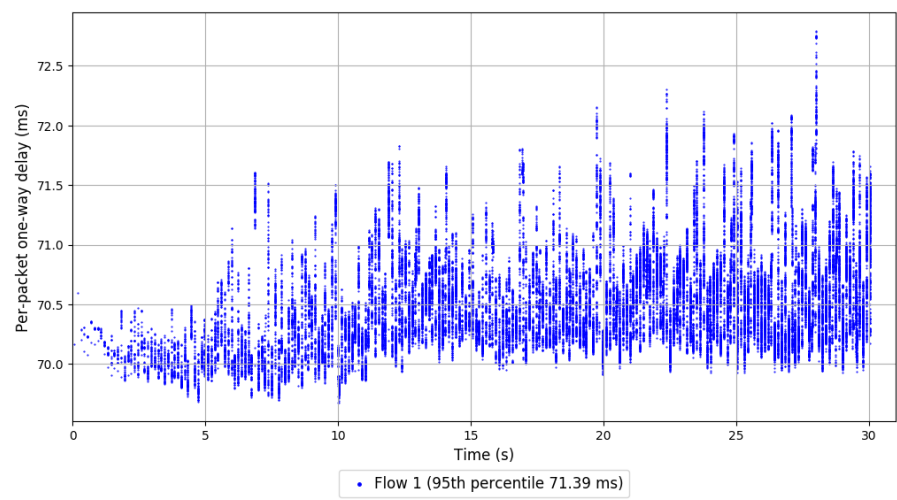
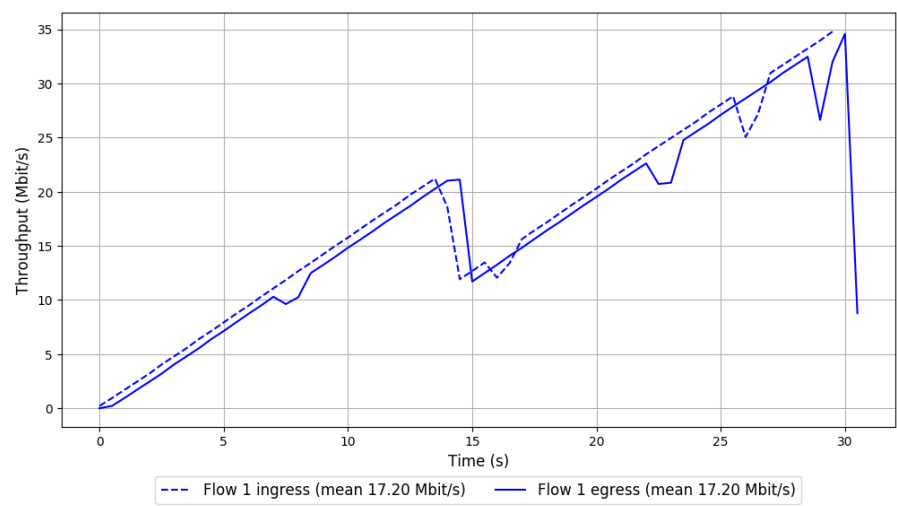


```
Run 1: Statistics of LEDBAT

Start at: 2018-05-31 06:08:33
End at: 2018-05-31 06:09:03
Local clock offset: 0.78 ms
Remote clock offset: 6.46 ms

# Below is generated by plot.py at 2018-05-31 09:59:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 17.20 Mbit/s
95th percentile per-packet one-way delay: 71.392 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 17.20 Mbit/s
95th percentile per-packet one-way delay: 71.392 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

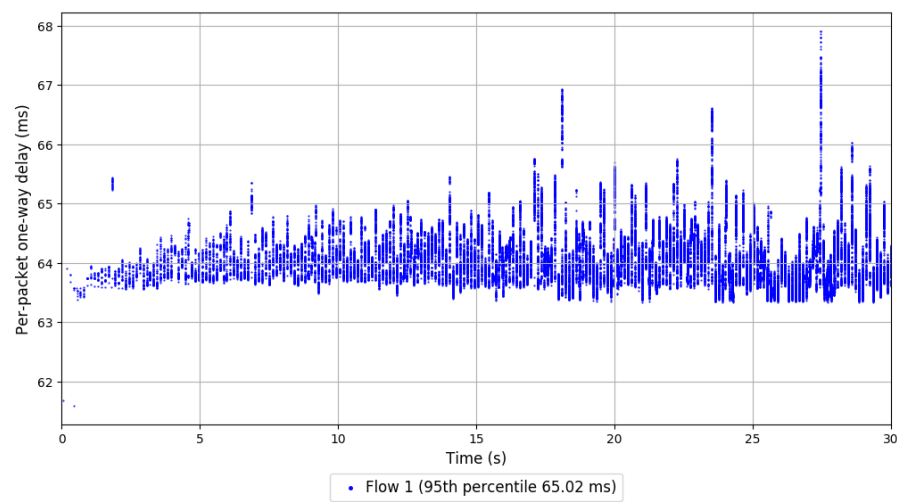
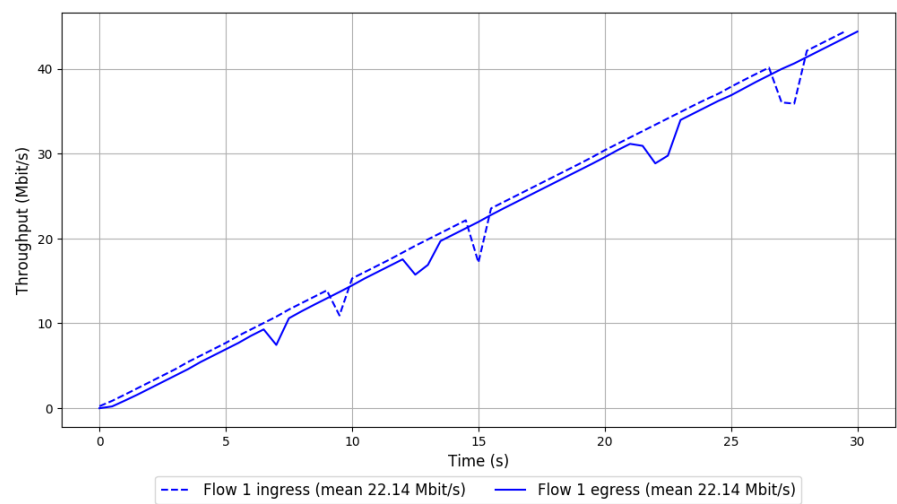


Run 2: Statistics of LEDBAT

Start at: 2018-05-31 06:28:51
End at: 2018-05-31 06:29:21
Local clock offset: 0.055 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-05-31 09:59:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.14 Mbit/s
95th percentile per-packet one-way delay: 65.018 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.14 Mbit/s
95th percentile per-packet one-way delay: 65.018 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-05-31 06:48:59

End at: 2018-05-31 06:49:29

Local clock offset: -0.114 ms

Remote clock offset: 0.077 ms

Below is generated by plot.py at 2018-05-31 09:59:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.10 Mbit/s

95th percentile per-packet one-way delay: 65.724 ms

Loss rate: 0.00%

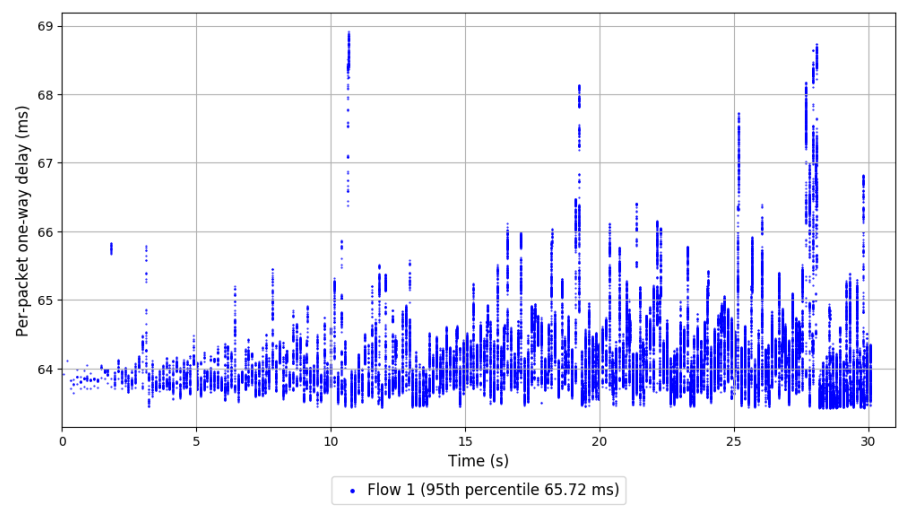
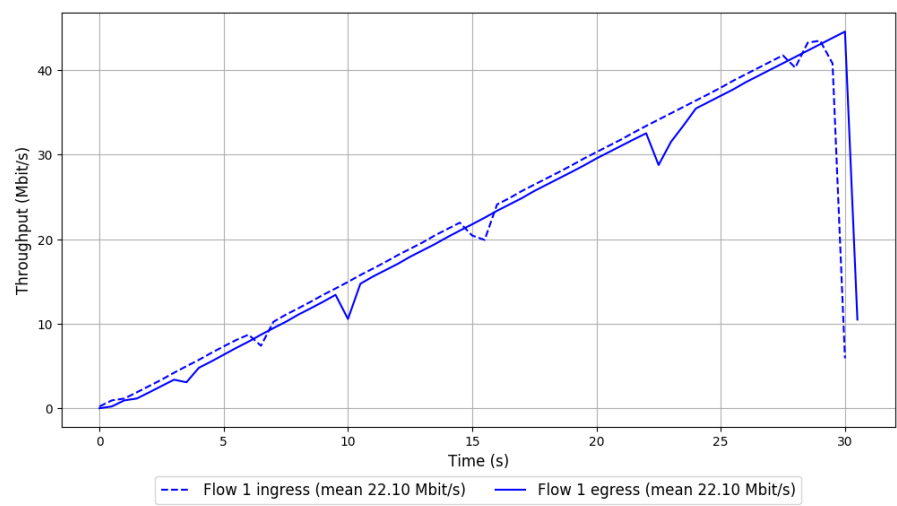
-- Flow 1:

Average throughput: 22.10 Mbit/s

95th percentile per-packet one-way delay: 65.724 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

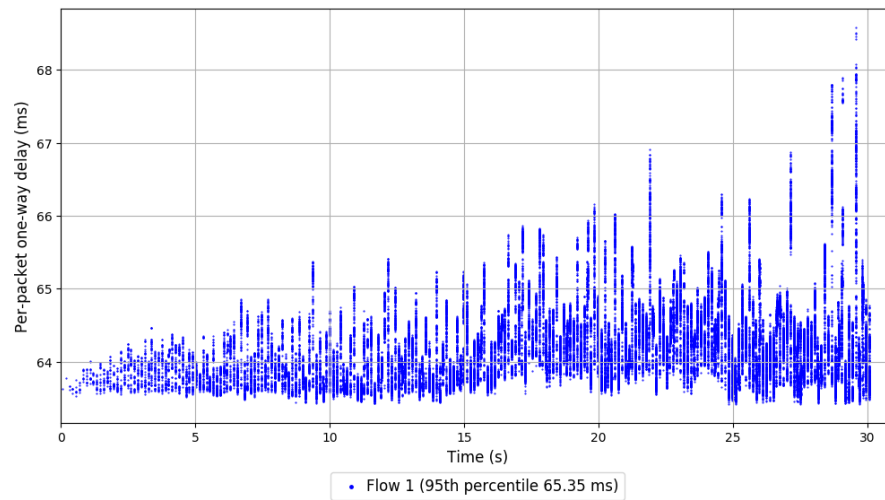
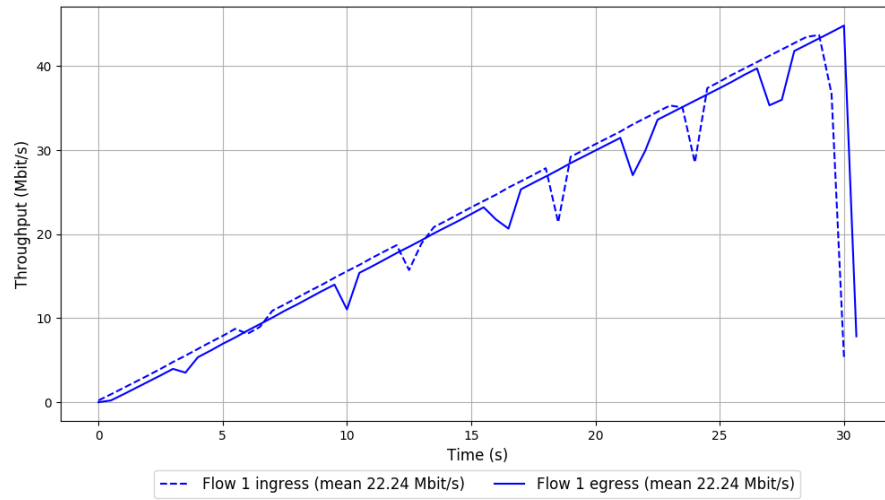


Run 4: Statistics of LEDBAT

Start at: 2018-05-31 07:09:10
End at: 2018-05-31 07:09:40
Local clock offset: -0.21 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-05-31 09:59:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.24 Mbit/s
95th percentile per-packet one-way delay: 65.353 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.24 Mbit/s
95th percentile per-packet one-way delay: 65.353 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

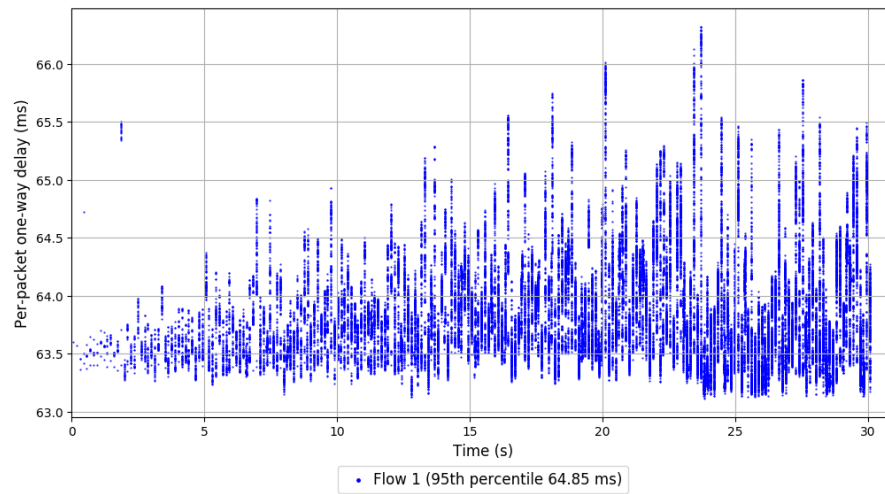
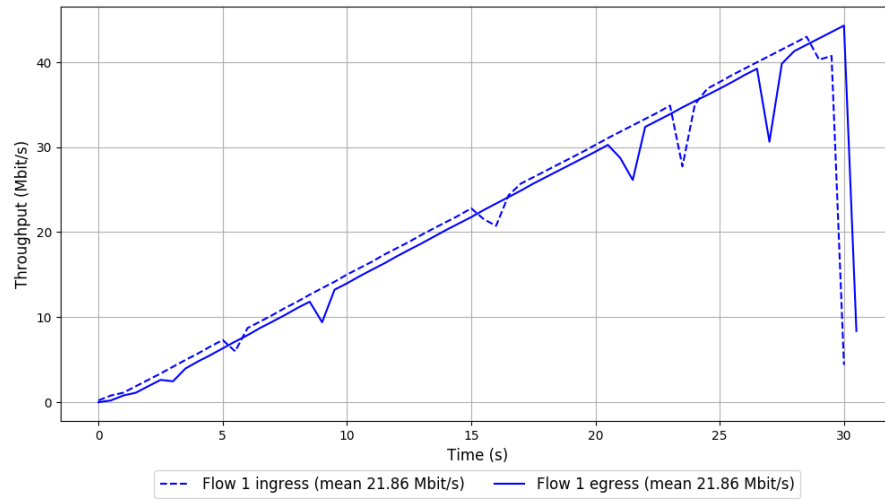


Run 5: Statistics of LEDBAT

Start at: 2018-05-31 07:29:01
End at: 2018-05-31 07:29:31
Local clock offset: -0.339 ms
Remote clock offset: -0.338 ms

Below is generated by plot.py at 2018-05-31 09:59:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.86 Mbit/s
95th percentile per-packet one-way delay: 64.853 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.86 Mbit/s
95th percentile per-packet one-way delay: 64.853 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-05-31 07:49:21

End at: 2018-05-31 07:49:51

Local clock offset: -0.442 ms

Remote clock offset: 6.343 ms

Below is generated by plot.py at 2018-05-31 09:59:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.32 Mbit/s

95th percentile per-packet one-way delay: 71.361 ms

Loss rate: 0.00%

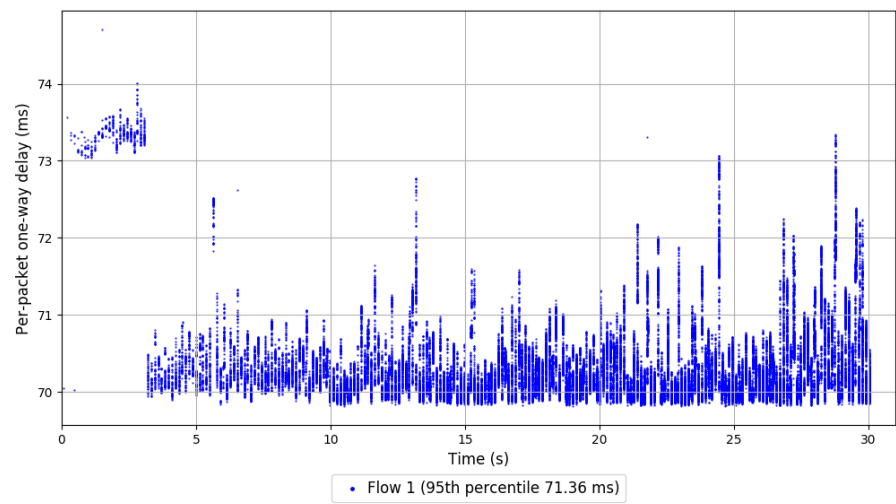
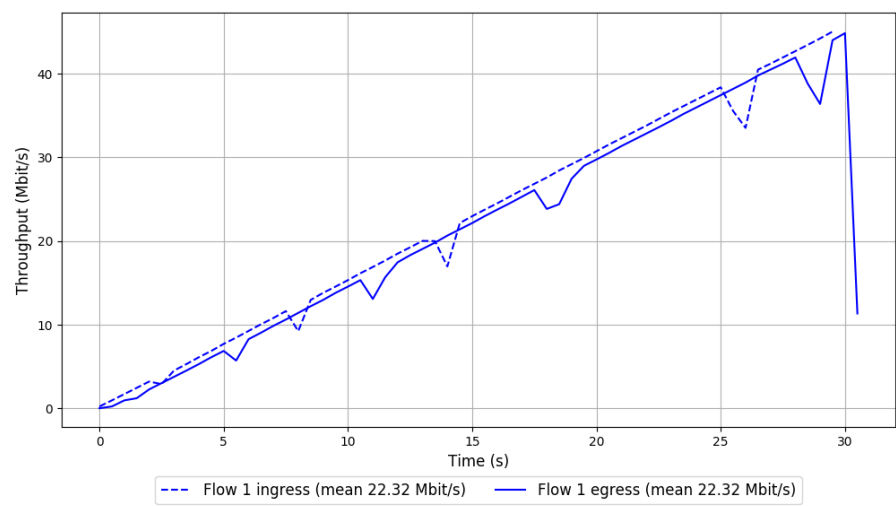
-- Flow 1:

Average throughput: 22.32 Mbit/s

95th percentile per-packet one-way delay: 71.361 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-05-31 08:09:21

End at: 2018-05-31 08:09:51

Local clock offset: -0.044 ms

Remote clock offset: -0.34 ms

Below is generated by plot.py at 2018-05-31 09:59:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.80 Mbit/s

95th percentile per-packet one-way delay: 64.855 ms

Loss rate: 0.00%

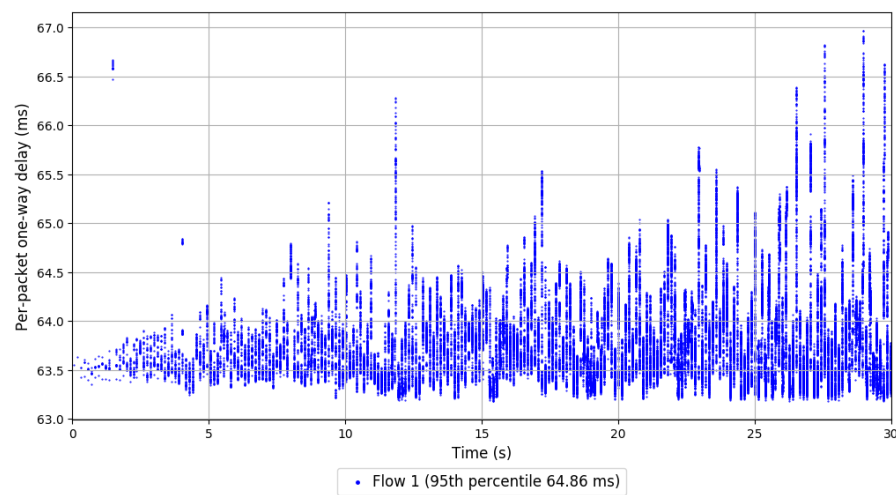
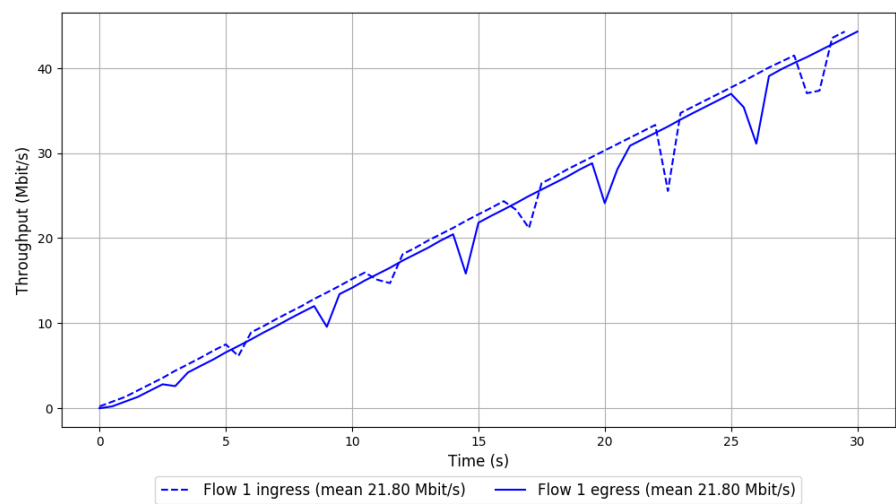
-- Flow 1:

Average throughput: 21.80 Mbit/s

95th percentile per-packet one-way delay: 64.855 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-05-31 08:29:38

End at: 2018-05-31 08:30:08

Local clock offset: 0.185 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-05-31 09:59:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.41 Mbit/s

95th percentile per-packet one-way delay: 64.220 ms

Loss rate: 0.00%

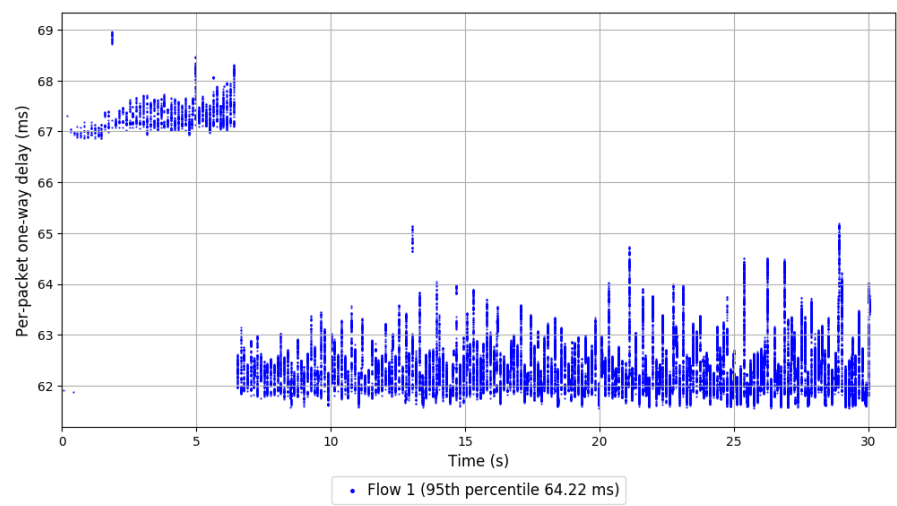
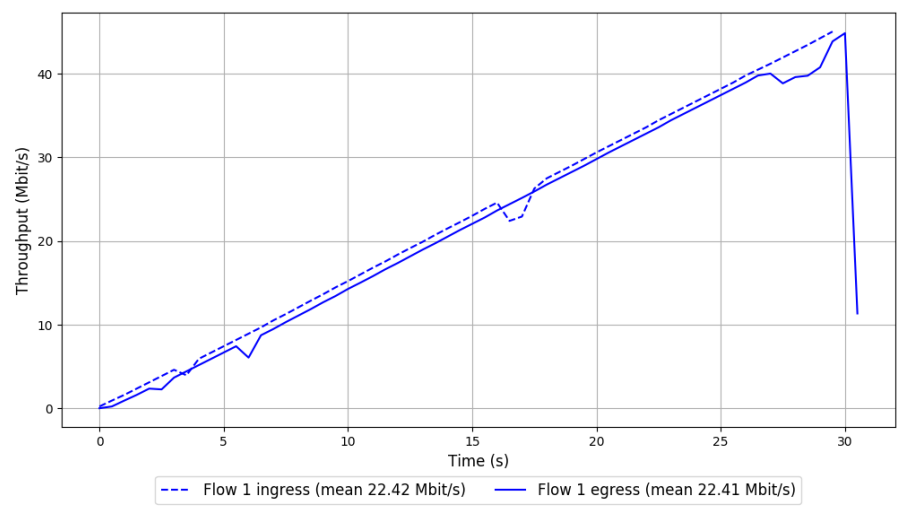
-- Flow 1:

Average throughput: 22.41 Mbit/s

95th percentile per-packet one-way delay: 64.220 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-05-31 08:49:47

End at: 2018-05-31 08:50:17

Local clock offset: 0.34 ms

Remote clock offset: 6.481 ms

Below is generated by plot.py at 2018-05-31 09:59:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.07 Mbit/s

95th percentile per-packet one-way delay: 69.348 ms

Loss rate: 0.00%

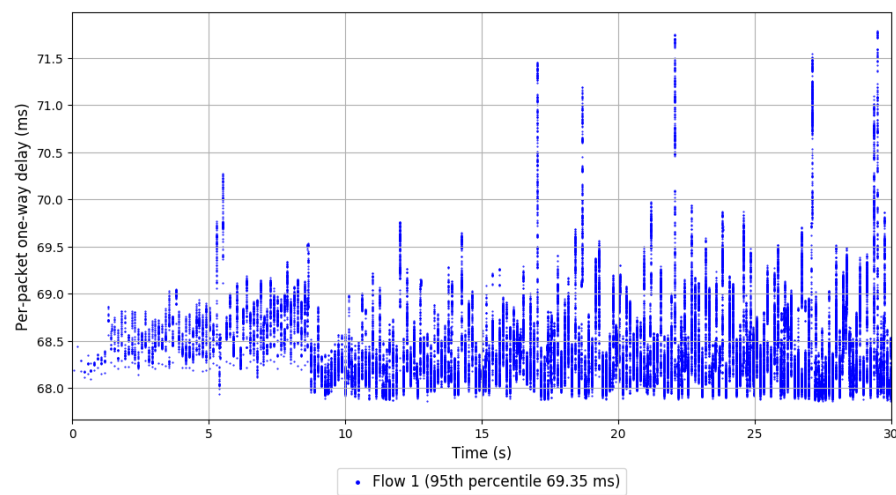
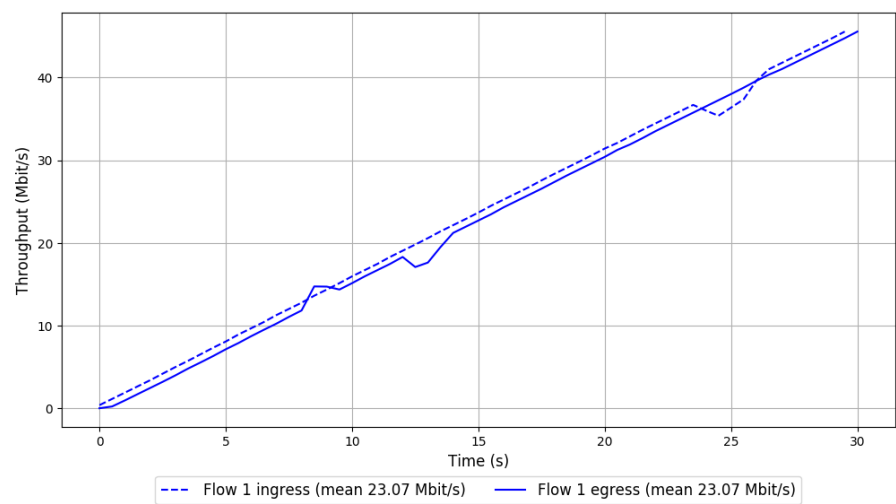
-- Flow 1:

Average throughput: 23.07 Mbit/s

95th percentile per-packet one-way delay: 69.348 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

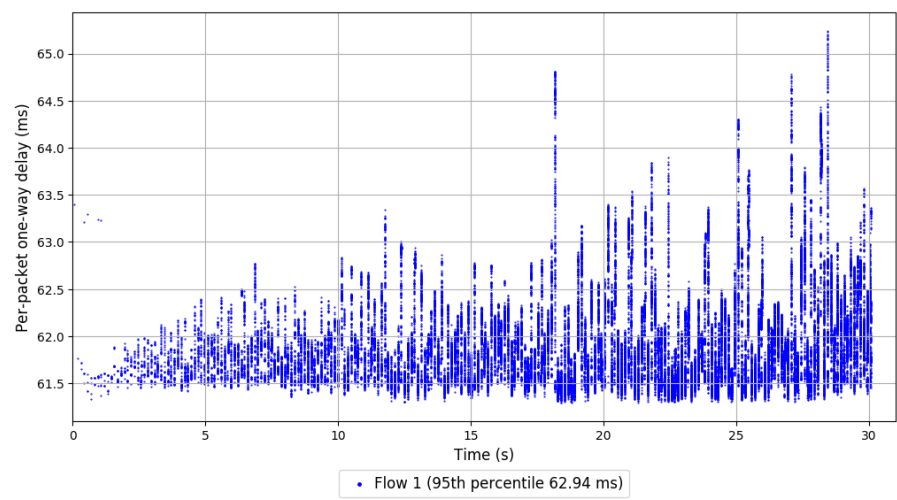
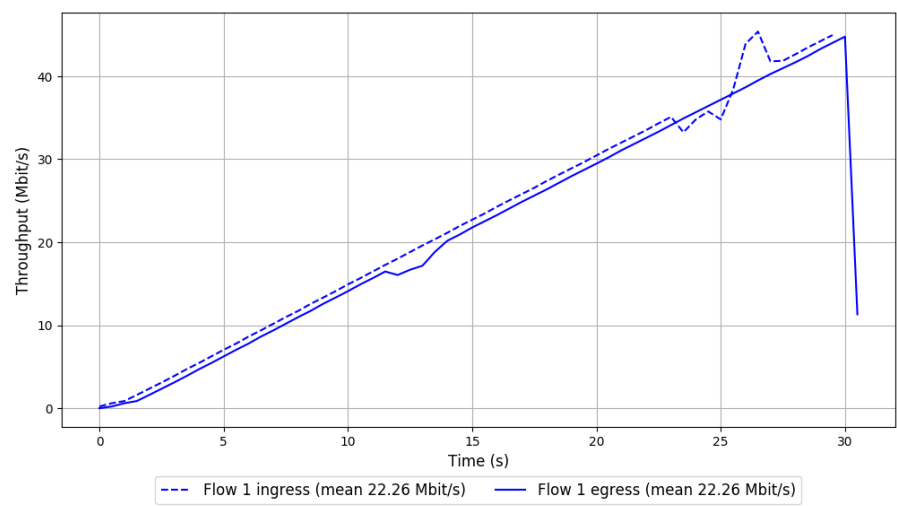


Run 10: Statistics of LEDBAT

Start at: 2018-05-31 09:10:01
End at: 2018-05-31 09:10:31
Local clock offset: 0.379 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-05-31 09:59:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.26 Mbit/s
95th percentile per-packet one-way delay: 62.936 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.26 Mbit/s
95th percentile per-packet one-way delay: 62.936 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-05-31 05:59:24

End at: 2018-05-31 05:59:54

Local clock offset: 0.631 ms

Remote clock offset: 6.496 ms

Below is generated by plot.py at 2018-05-31 09:59:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 327.41 Mbit/s

95th percentile per-packet one-way delay: 84.241 ms

Loss rate: 0.15%

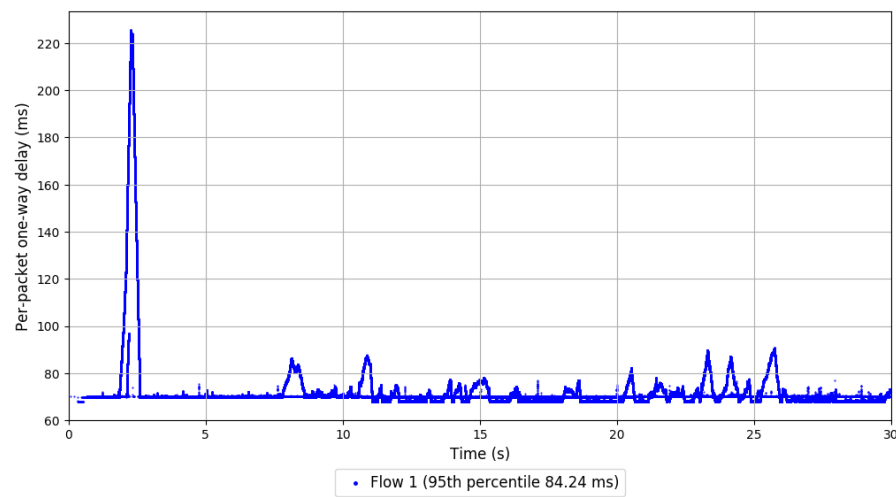
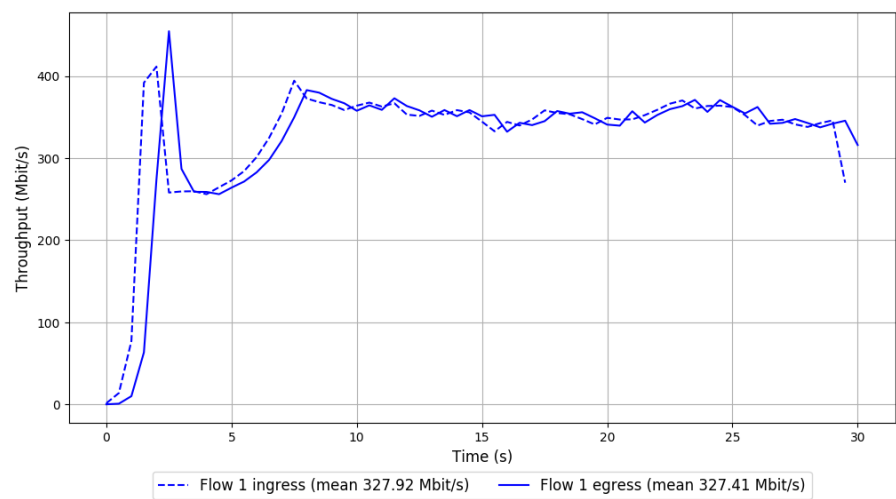
-- Flow 1:

Average throughput: 327.41 Mbit/s

95th percentile per-packet one-way delay: 84.241 ms

Loss rate: 0.15%

Run 1: Report of PCC-Allegro — Data Link

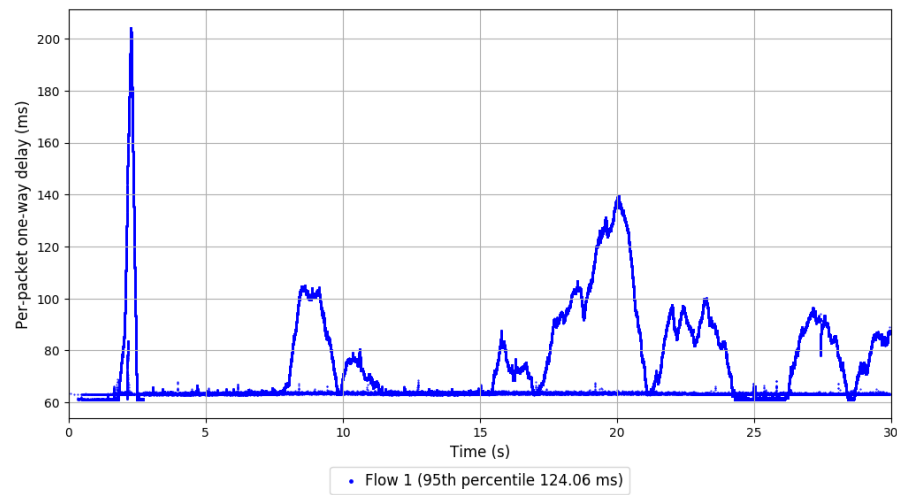
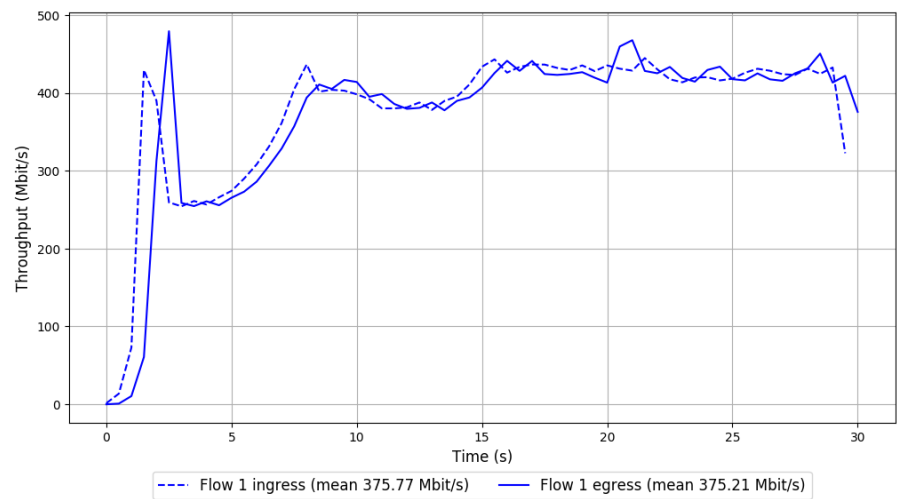


Run 2: Statistics of PCC-Allegro

Start at: 2018-05-31 06:19:41
End at: 2018-05-31 06:20:12
Local clock offset: 0.277 ms
Remote clock offset: -0.296 ms

Below is generated by plot.py at 2018-05-31 09:59:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 375.21 Mbit/s
95th percentile per-packet one-way delay: 124.060 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 375.21 Mbit/s
95th percentile per-packet one-way delay: 124.060 ms
Loss rate: 0.14%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-05-31 06:40:07

End at: 2018-05-31 06:40:37

Local clock offset: -0.075 ms

Remote clock offset: 6.725 ms

Below is generated by plot.py at 2018-05-31 09:59:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 324.77 Mbit/s

95th percentile per-packet one-way delay: 80.555 ms

Loss rate: 0.11%

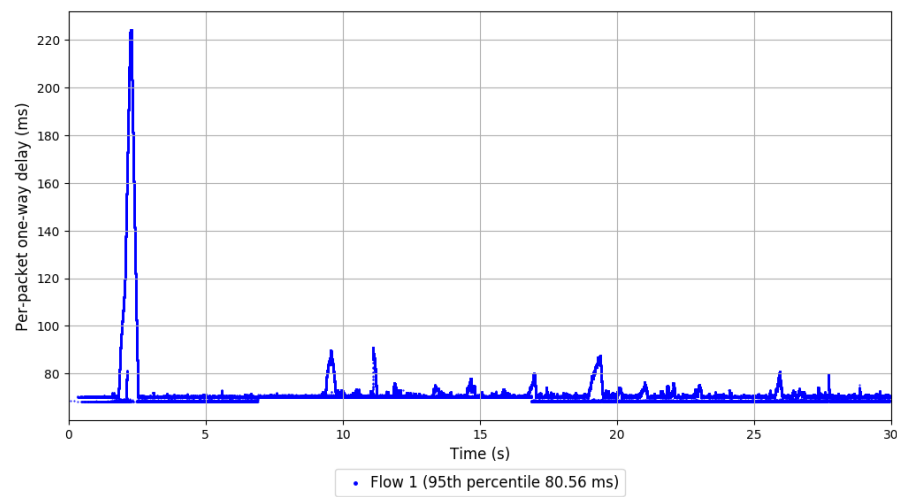
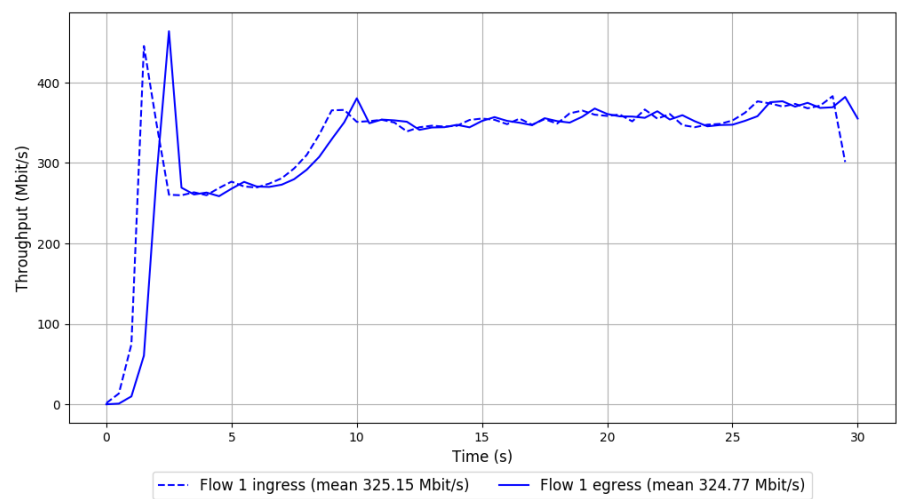
-- Flow 1:

Average throughput: 324.77 Mbit/s

95th percentile per-packet one-way delay: 80.555 ms

Loss rate: 0.11%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-05-31 07:00:14

End at: 2018-05-31 07:00:44

Local clock offset: -0.178 ms

Remote clock offset: 6.466 ms

Below is generated by plot.py at 2018-05-31 09:59:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 339.33 Mbit/s

95th percentile per-packet one-way delay: 87.780 ms

Loss rate: 0.08%

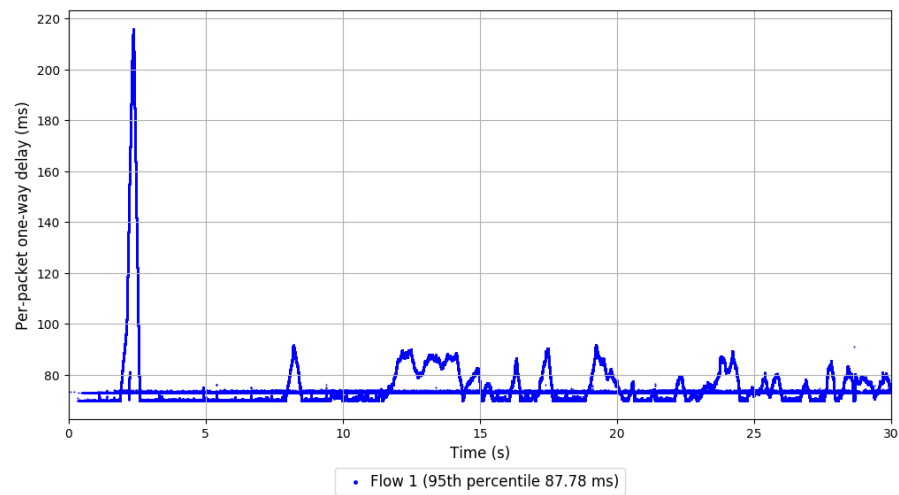
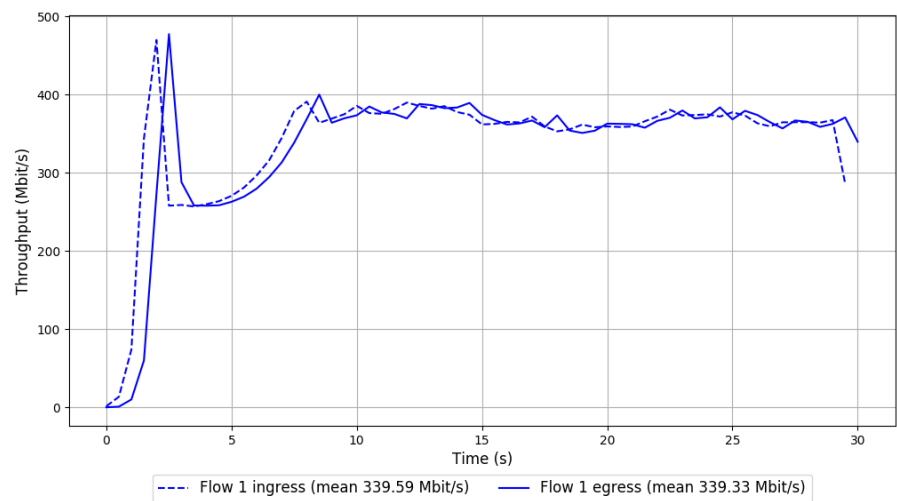
-- Flow 1:

Average throughput: 339.33 Mbit/s

95th percentile per-packet one-way delay: 87.780 ms

Loss rate: 0.08%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-05-31 07:20:17

End at: 2018-05-31 07:20:47

Local clock offset: -0.33 ms

Remote clock offset: -0.257 ms

Below is generated by plot.py at 2018-05-31 09:59:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 321.84 Mbit/s

95th percentile per-packet one-way delay: 81.899 ms

Loss rate: 0.26%

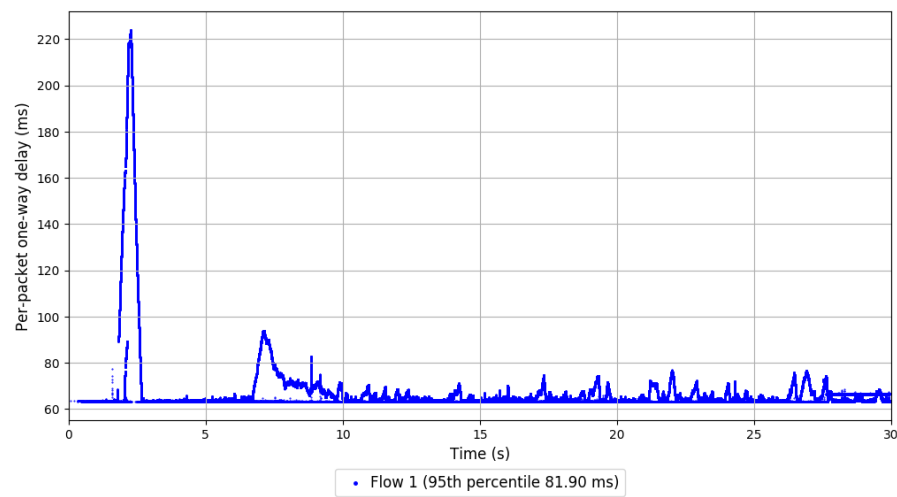
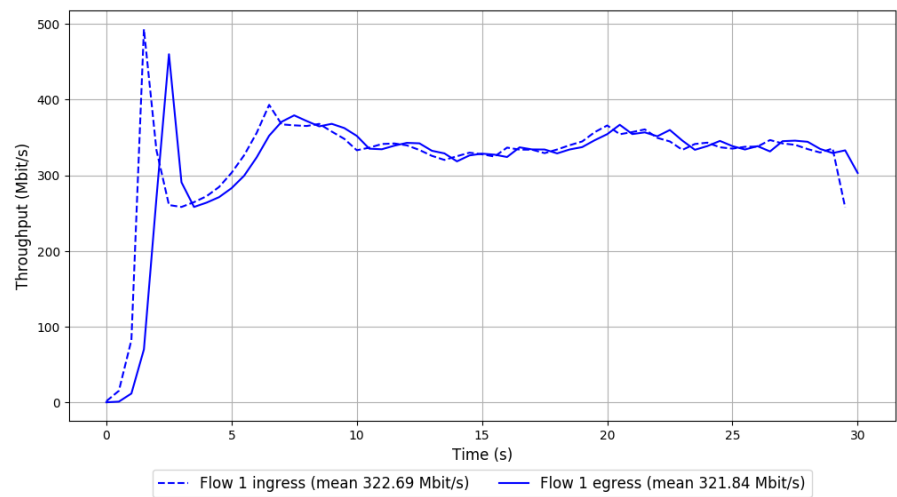
-- Flow 1:

Average throughput: 321.84 Mbit/s

95th percentile per-packet one-way delay: 81.899 ms

Loss rate: 0.26%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-05-31 07:40:17

End at: 2018-05-31 07:40:47

Local clock offset: -0.464 ms

Remote clock offset: 0.123 ms

Below is generated by plot.py at 2018-05-31 09:59:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 334.95 Mbit/s

95th percentile per-packet one-way delay: 90.124 ms

Loss rate: 0.25%

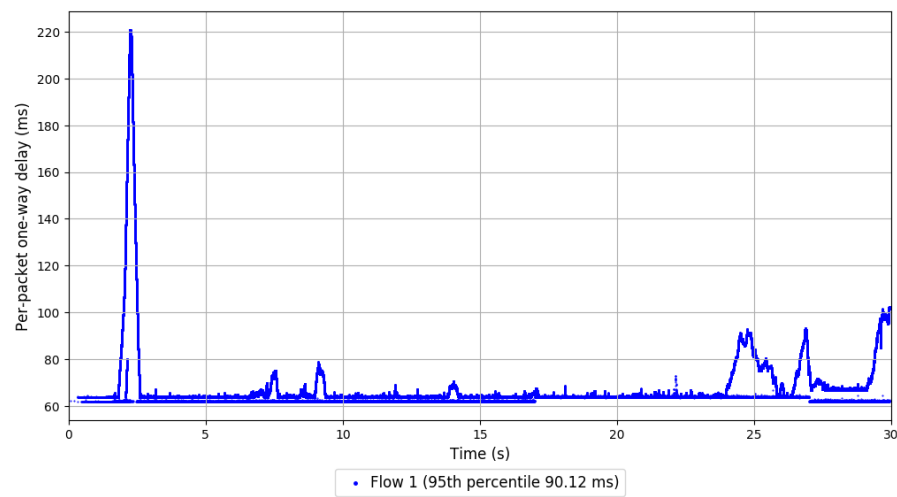
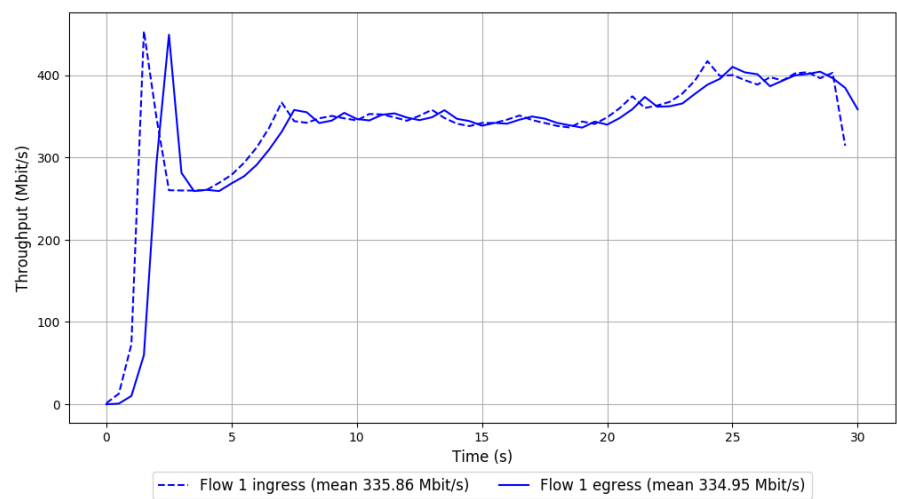
-- Flow 1:

Average throughput: 334.95 Mbit/s

95th percentile per-packet one-way delay: 90.124 ms

Loss rate: 0.25%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-05-31 08:00:36

End at: 2018-05-31 08:01:06

Local clock offset: -0.349 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2018-05-31 10:03:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 354.71 Mbit/s

95th percentile per-packet one-way delay: 102.661 ms

Loss rate: 0.05%

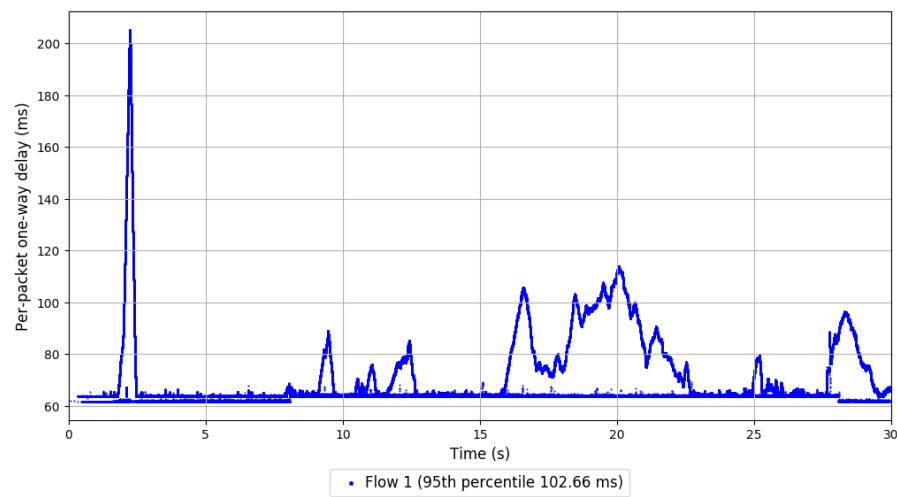
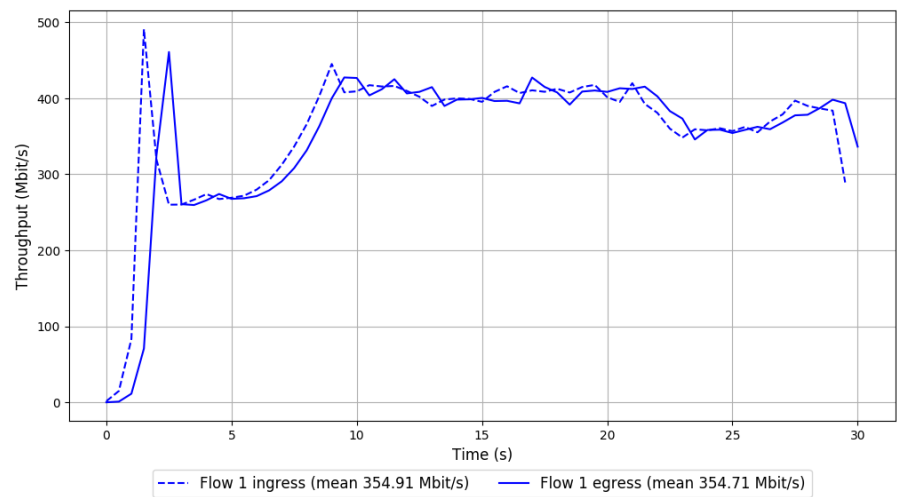
-- Flow 1:

Average throughput: 354.71 Mbit/s

95th percentile per-packet one-way delay: 102.661 ms

Loss rate: 0.05%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-05-31 08:20:35

End at: 2018-05-31 08:21:05

Local clock offset: 0.101 ms

Remote clock offset: 0.109 ms

Below is generated by plot.py at 2018-05-31 10:04:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 366.68 Mbit/s

95th percentile per-packet one-way delay: 193.018 ms

Loss rate: 0.12%

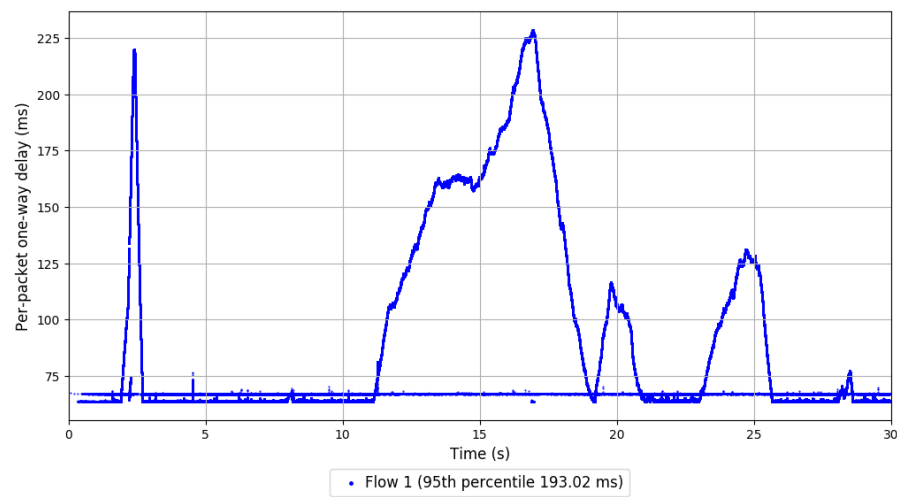
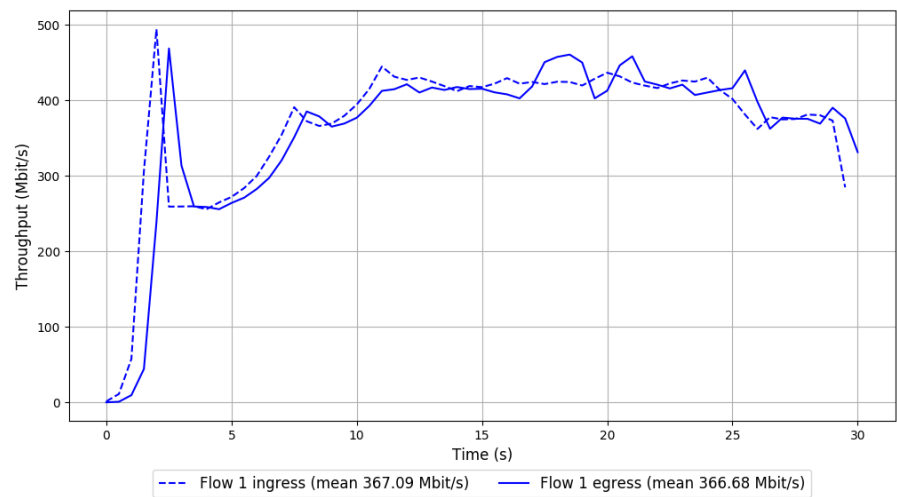
-- Flow 1:

Average throughput: 366.68 Mbit/s

95th percentile per-packet one-way delay: 193.018 ms

Loss rate: 0.12%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-05-31 08:40:50

End at: 2018-05-31 08:41:20

Local clock offset: 0.264 ms

Remote clock offset: 0.118 ms

Below is generated by plot.py at 2018-05-31 10:04:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 328.86 Mbit/s

95th percentile per-packet one-way delay: 81.718 ms

Loss rate: 0.02%

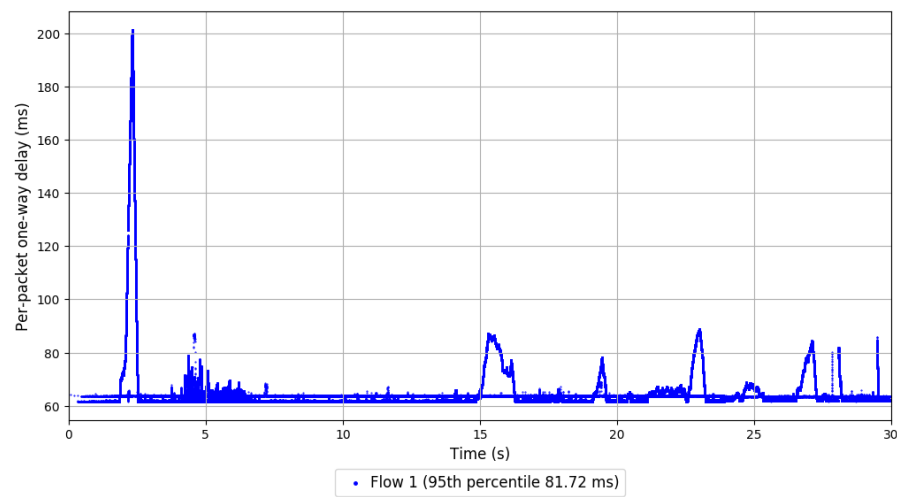
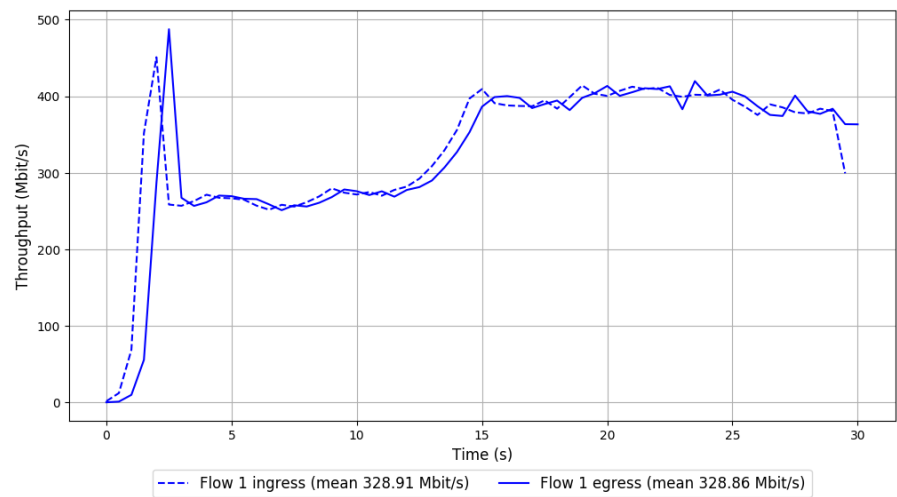
-- Flow 1:

Average throughput: 328.86 Mbit/s

95th percentile per-packet one-way delay: 81.718 ms

Loss rate: 0.02%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-05-31 09:00:55

End at: 2018-05-31 09:01:25

Local clock offset: 0.341 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2018-05-31 10:05:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 370.12 Mbit/s

95th percentile per-packet one-way delay: 122.850 ms

Loss rate: 0.08%

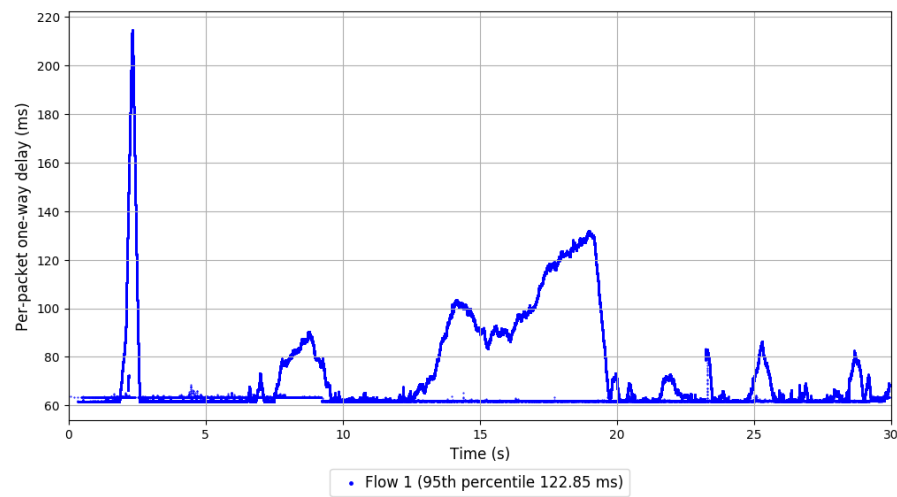
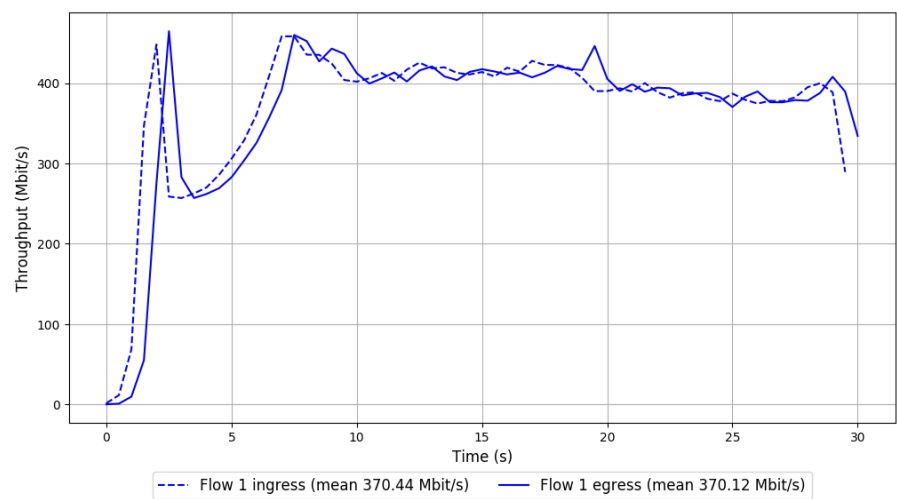
-- Flow 1:

Average throughput: 370.12 Mbit/s

95th percentile per-packet one-way delay: 122.850 ms

Loss rate: 0.08%

Run 10: Report of PCC-Allegro — Data Link

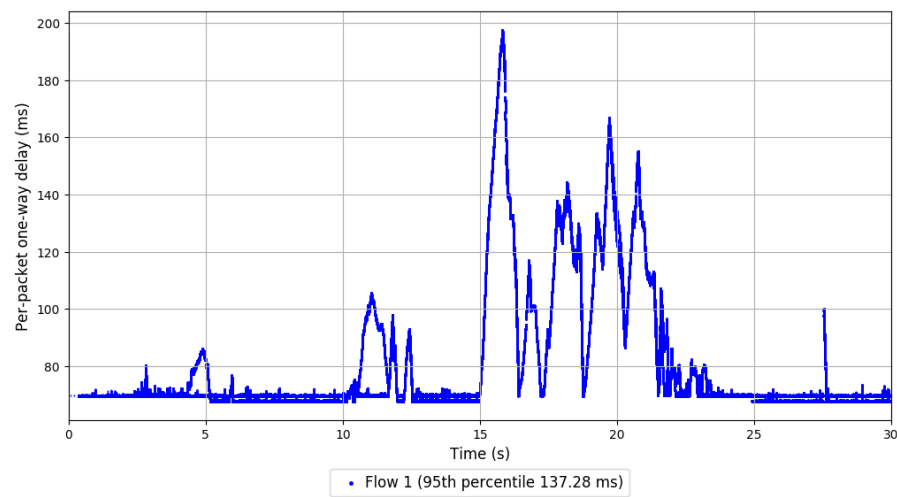
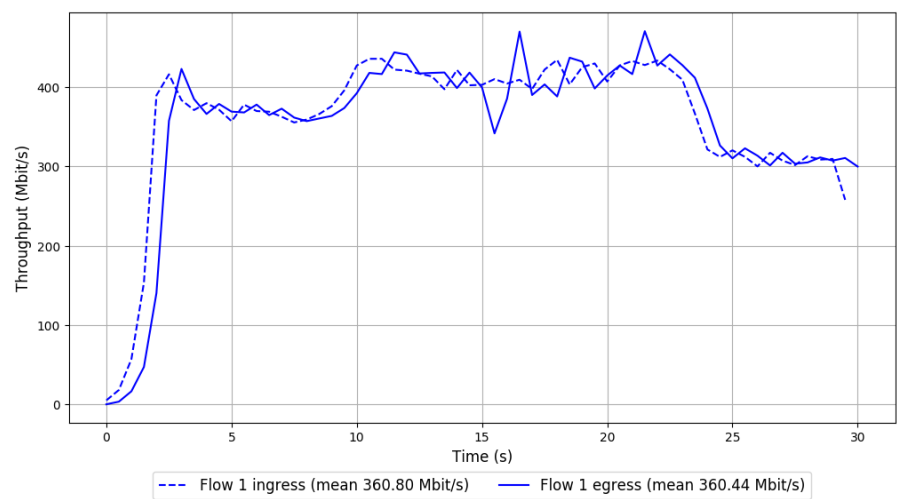


```
Run 1: Statistics of PCC-Expr

Start at: 2018-05-31 06:04:19
End at: 2018-05-31 06:04:49
Local clock offset: 0.704 ms
Remote clock offset: 6.281 ms

# Below is generated by plot.py at 2018-05-31 10:10:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 360.44 Mbit/s
95th percentile per-packet one-way delay: 137.277 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 360.44 Mbit/s
95th percentile per-packet one-way delay: 137.277 ms
Loss rate: 0.10%
```

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-05-31 06:24:36

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

Local clock offset: 0.157 ms

Remote clock offset: 6.474 ms

Below is generated by plot.py at 2018-05-31 10:10:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 256.71 Mbit/s

95th percentile per-packet one-way delay: 181.529 ms

Loss rate: 0.24%

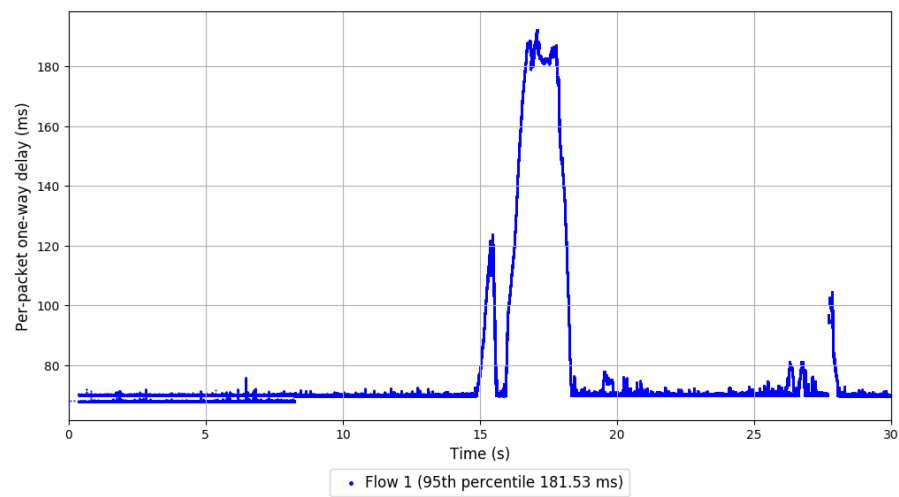
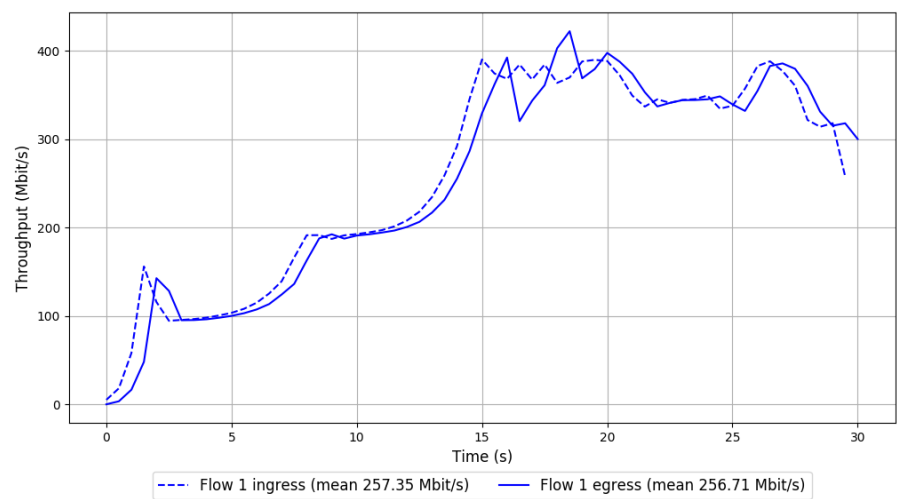
-- Flow 1:

Average throughput: 256.71 Mbit/s

95th percentile per-packet one-way delay: 181.529 ms

Loss rate: 0.24%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

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

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

Local clock offset: -0.112 ms

Remote clock offset: 6.527 ms

Below is generated by plot.py at 2018-05-31 10:10:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 316.79 Mbit/s

95th percentile per-packet one-way delay: 75.994 ms

Loss rate: 0.00%

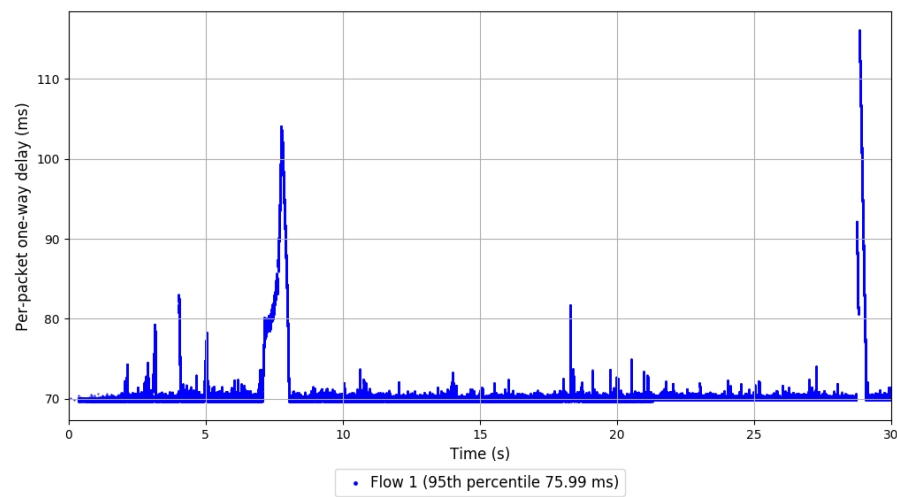
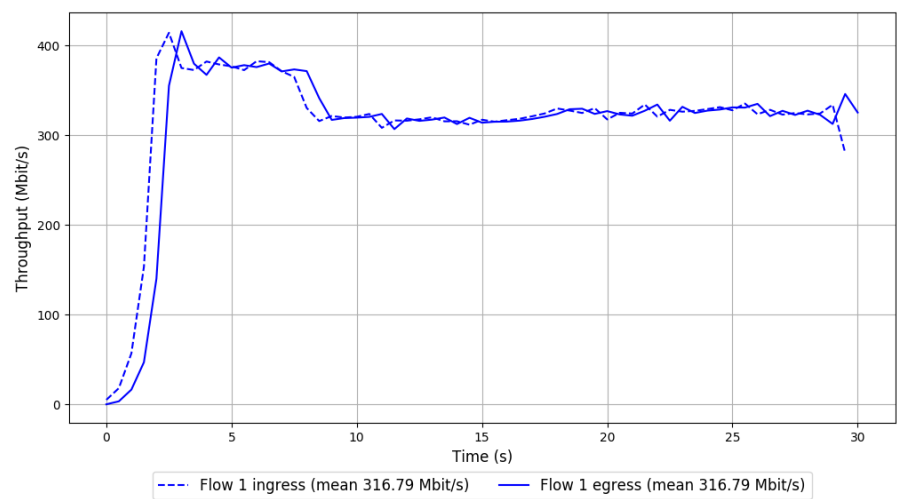
-- Flow 1:

Average throughput: 316.79 Mbit/s

95th percentile per-packet one-way delay: 75.994 ms

Loss rate: 0.00%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-05-31 07:05:08

End at: 2018-05-31 07:05:38

Local clock offset: -0.29 ms

Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-05-31 10:10:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 109.07 Mbit/s

95th percentile per-packet one-way delay: 66.897 ms

Loss rate: 0.00%

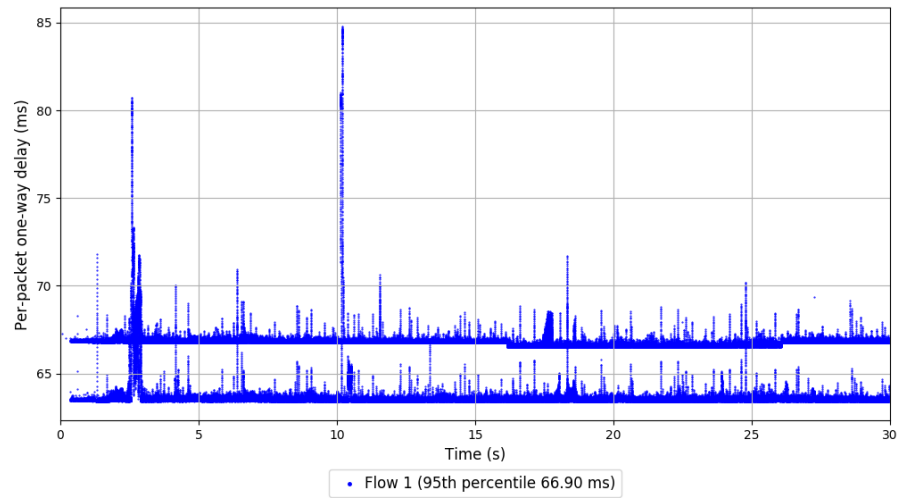
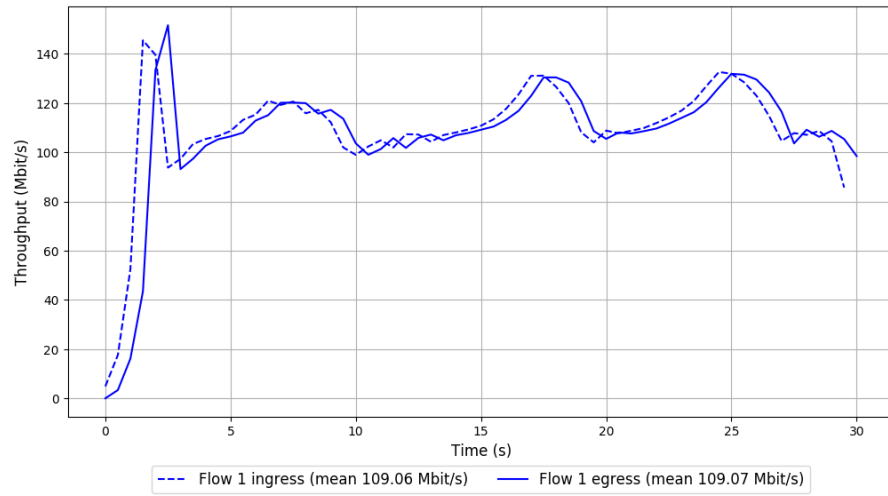
-- Flow 1:

Average throughput: 109.07 Mbit/s

95th percentile per-packet one-way delay: 66.897 ms

Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-05-31 07:24:53

End at: 2018-05-31 07:25:23

Local clock offset: -0.348 ms

Remote clock offset: -0.284 ms

Below is generated by plot.py at 2018-05-31 10:10:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 177.18 Mbit/s

95th percentile per-packet one-way delay: 63.459 ms

Loss rate: 0.00%

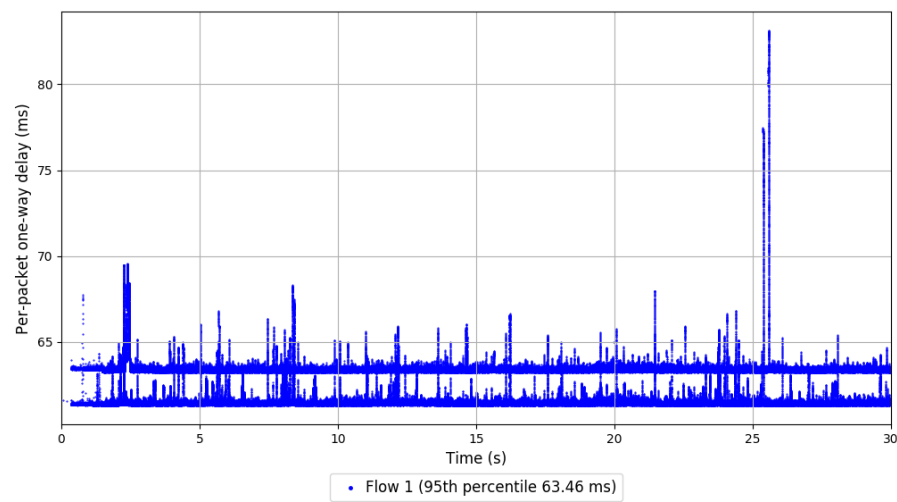
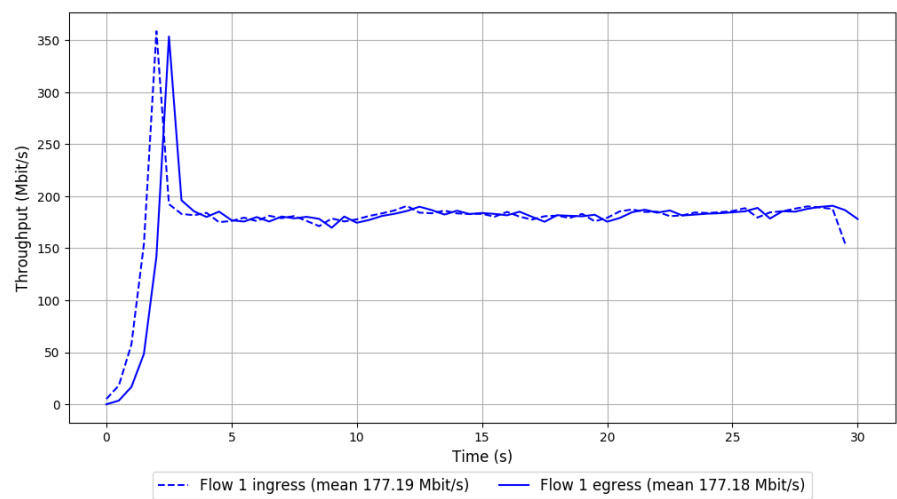
-- Flow 1:

Average throughput: 177.18 Mbit/s

95th percentile per-packet one-way delay: 63.459 ms

Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-05-31 07:45:02

End at: 2018-05-31 07:45:32

Local clock offset: -0.416 ms

Remote clock offset: 6.367 ms

Below is generated by plot.py at 2018-05-31 10:13:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 292.73 Mbit/s

95th percentile per-packet one-way delay: 93.873 ms

Loss rate: 0.00%

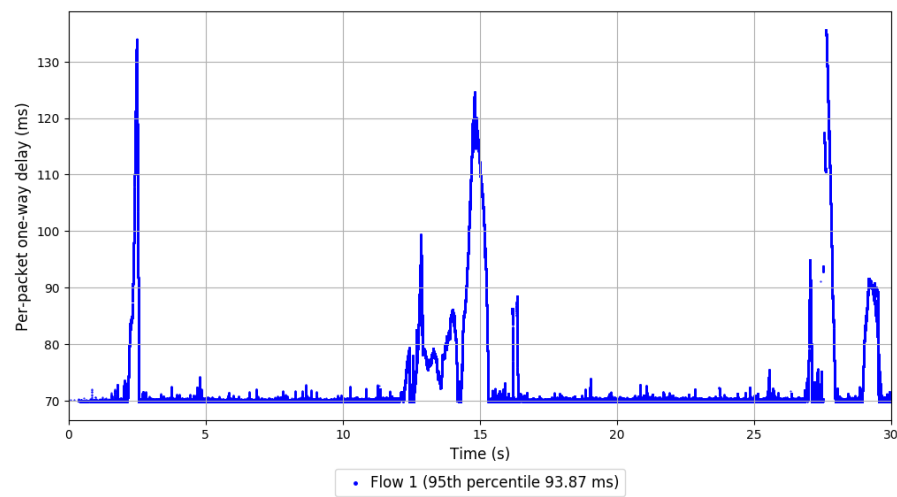
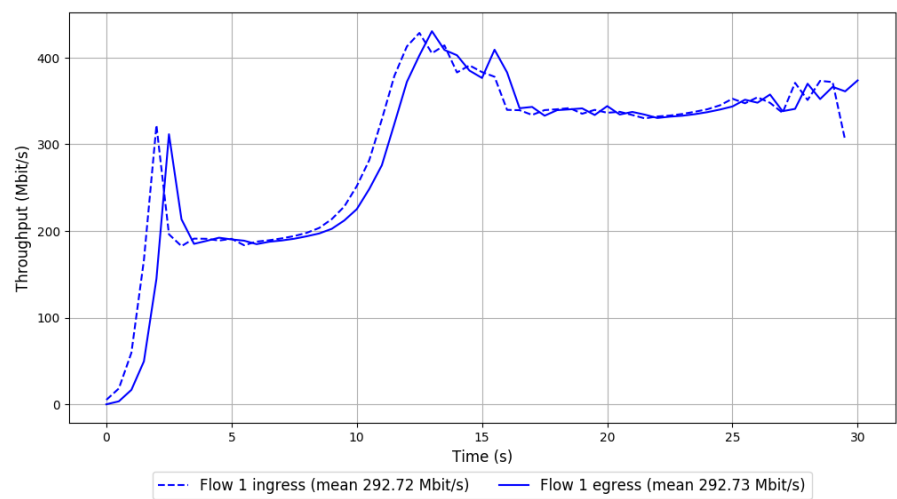
-- Flow 1:

Average throughput: 292.73 Mbit/s

95th percentile per-packet one-way delay: 93.873 ms

Loss rate: 0.00%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

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

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

Local clock offset: -0.136 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-05-31 10:13:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 185.97 Mbit/s

95th percentile per-packet one-way delay: 67.024 ms

Loss rate: 0.00%

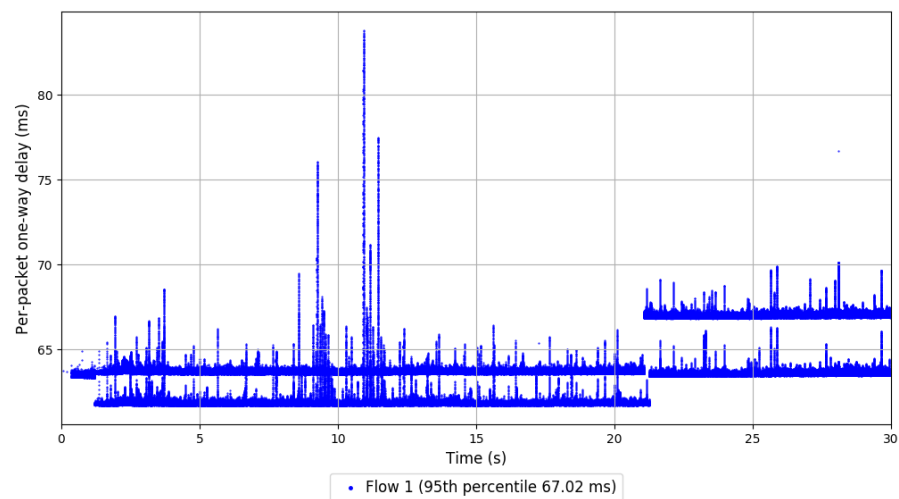
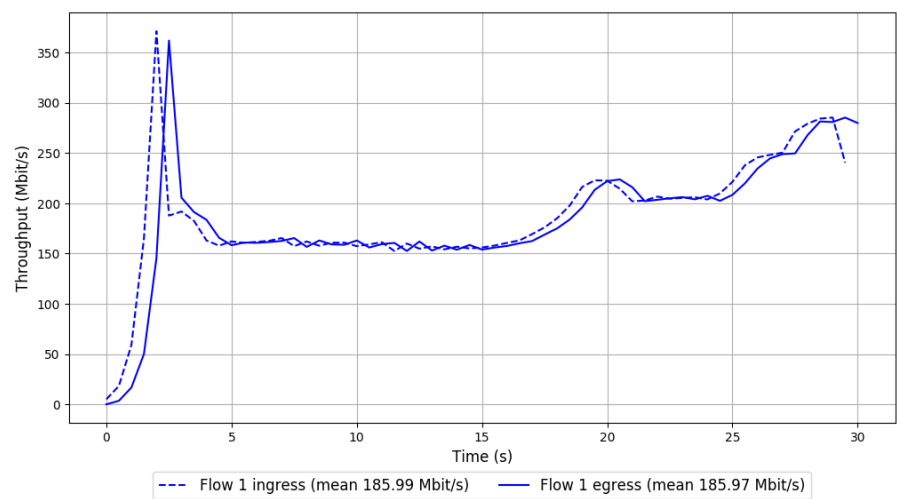
-- Flow 1:

Average throughput: 185.97 Mbit/s

95th percentile per-packet one-way delay: 67.024 ms

Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link

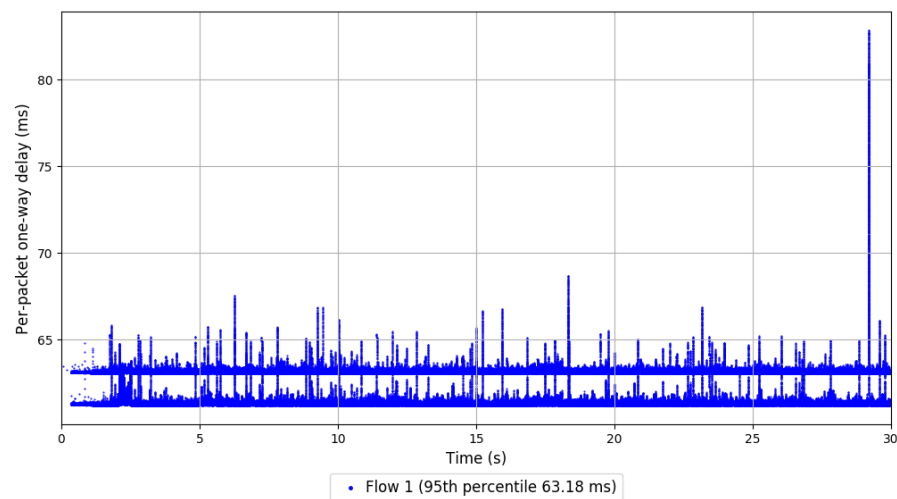
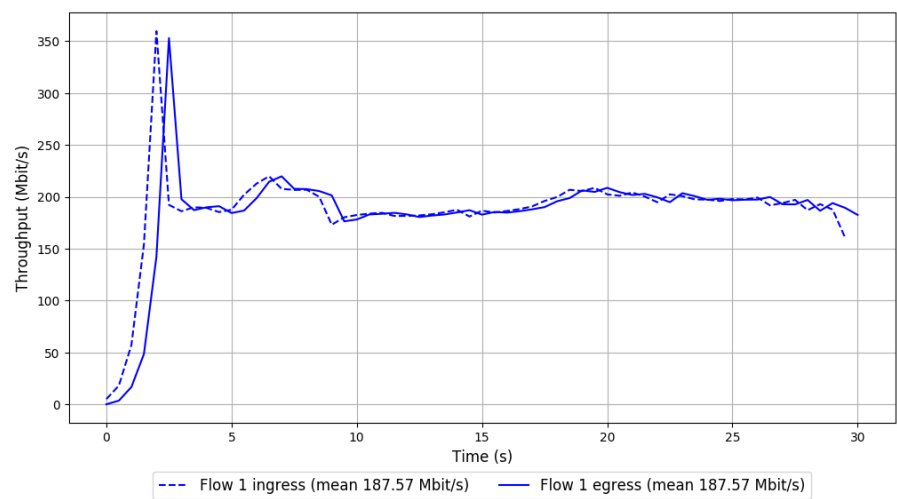


Run 8: Statistics of PCC-Expr

Start at: 2018-05-31 08:25:30
End at: 2018-05-31 08:26:00
Local clock offset: 0.153 ms
Remote clock offset: -0.371 ms

Below is generated by plot.py at 2018-05-31 10:13:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.57 Mbit/s
95th percentile per-packet one-way delay: 63.178 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 187.57 Mbit/s
95th percentile per-packet one-way delay: 63.178 ms
Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-05-31 08:45:38

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

Local clock offset: 0.307 ms

Remote clock offset: -0.19 ms

Below is generated by plot.py at 2018-05-31 10:13:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 239.00 Mbit/s

95th percentile per-packet one-way delay: 63.318 ms

Loss rate: 0.00%

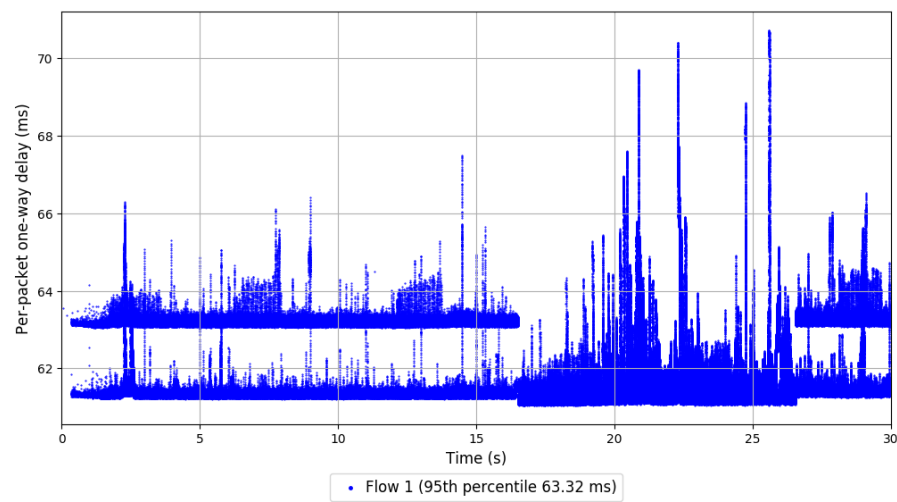
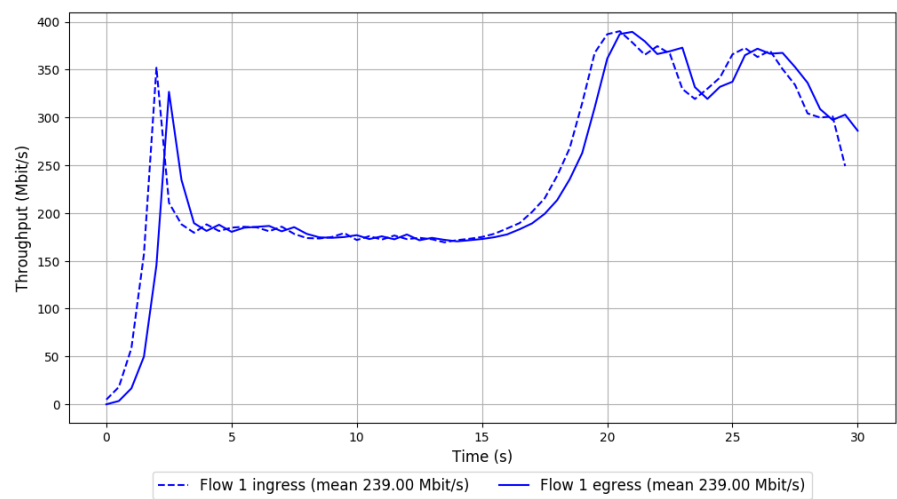
-- Flow 1:

Average throughput: 239.00 Mbit/s

95th percentile per-packet one-way delay: 63.318 ms

Loss rate: 0.00%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-05-31 09:05:47

End at: 2018-05-31 09:06:17

Local clock offset: 0.379 ms

Remote clock offset: 0.141 ms

Below is generated by plot.py at 2018-05-31 10:15:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 236.52 Mbit/s

95th percentile per-packet one-way delay: 63.561 ms

Loss rate: 0.00%

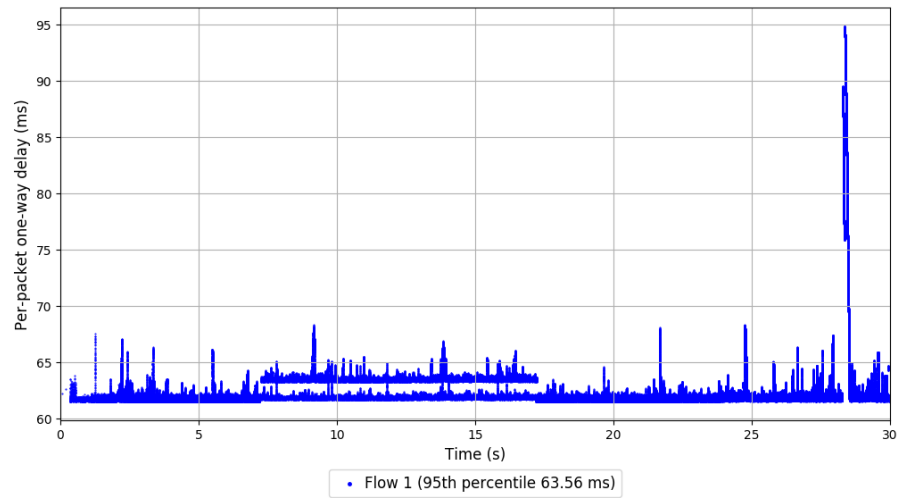
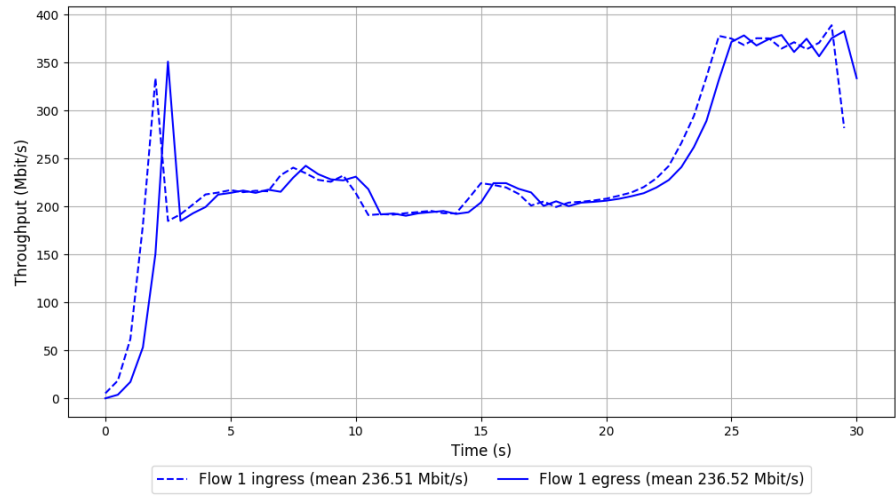
-- Flow 1:

Average throughput: 236.52 Mbit/s

95th percentile per-packet one-way delay: 63.561 ms

Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-05-31 05:58:14

End at: 2018-05-31 05:58:44

Local clock offset: 0.666 ms

Remote clock offset: 6.49 ms

Below is generated by plot.py at 2018-05-31 10:15:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.22 Mbit/s

95th percentile per-packet one-way delay: 69.970 ms

Loss rate: 0.00%

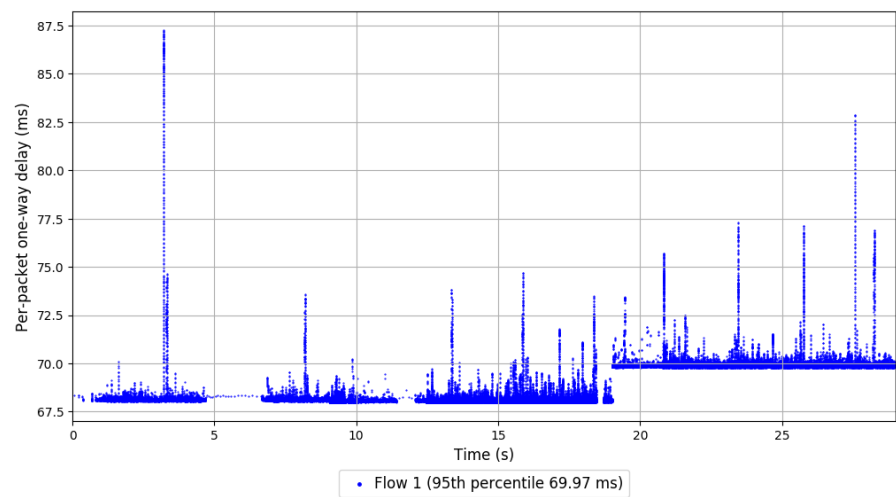
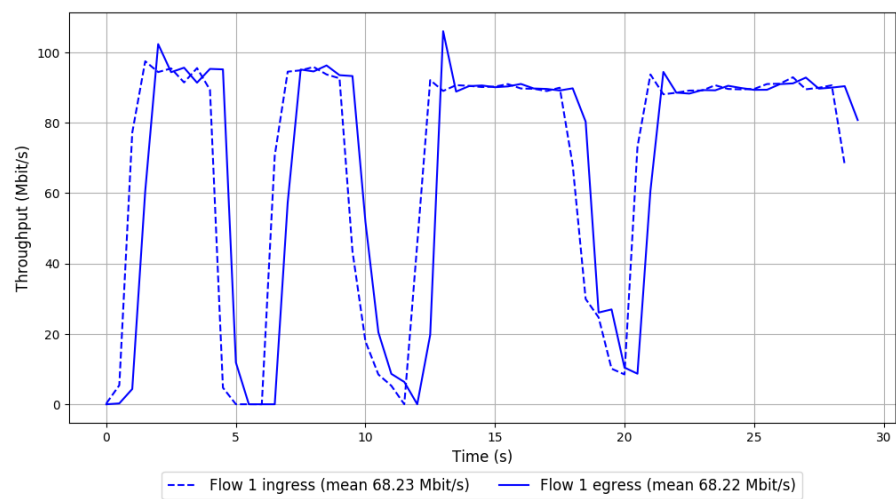
-- Flow 1:

Average throughput: 68.22 Mbit/s

95th percentile per-packet one-way delay: 69.970 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-05-31 06:18:32

End at: 2018-05-31 06:19:02

Local clock offset: 0.349 ms

Remote clock offset: -0.245 ms

Below is generated by plot.py at 2018-05-31 10:15:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.17 Mbit/s

95th percentile per-packet one-way delay: 63.391 ms

Loss rate: 0.00%

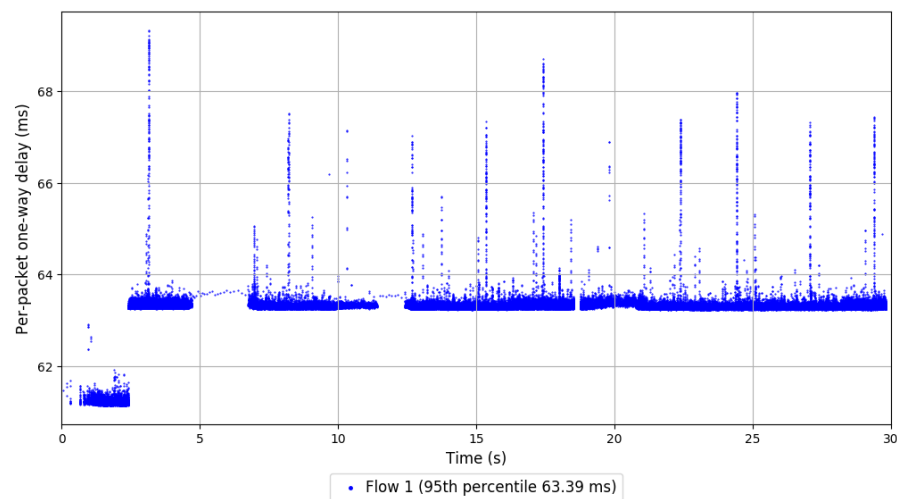
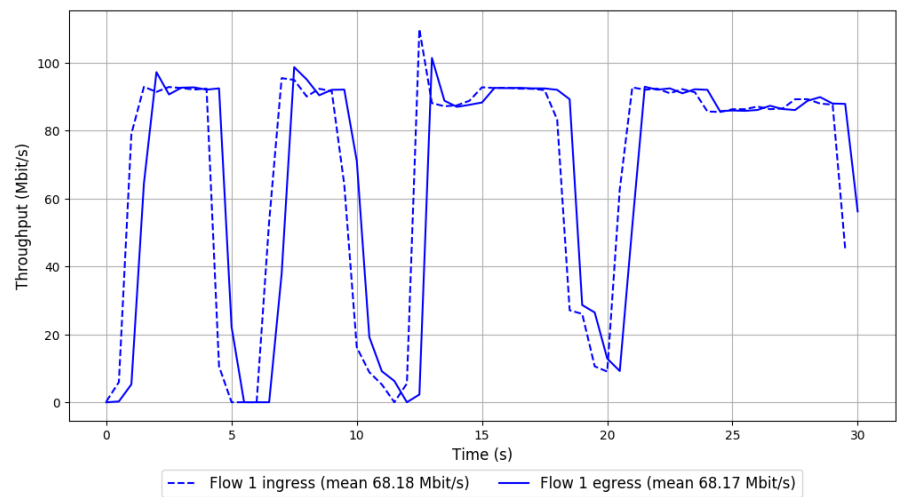
-- Flow 1:

Average throughput: 68.17 Mbit/s

95th percentile per-packet one-way delay: 63.391 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-05-31 06:38:58

End at: 2018-05-31 06:39:28

Local clock offset: -0.094 ms

Remote clock offset: 6.638 ms

Below is generated by plot.py at 2018-05-31 10:15:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.07 Mbit/s

95th percentile per-packet one-way delay: 70.006 ms

Loss rate: 0.00%

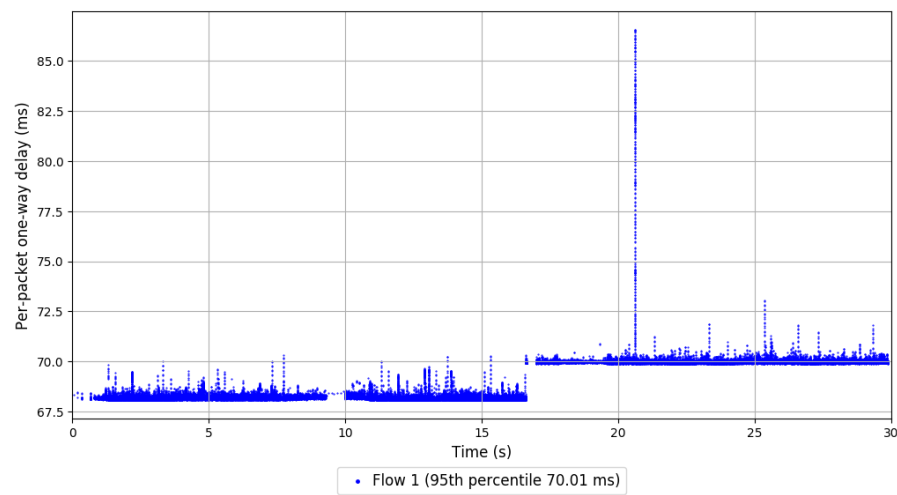
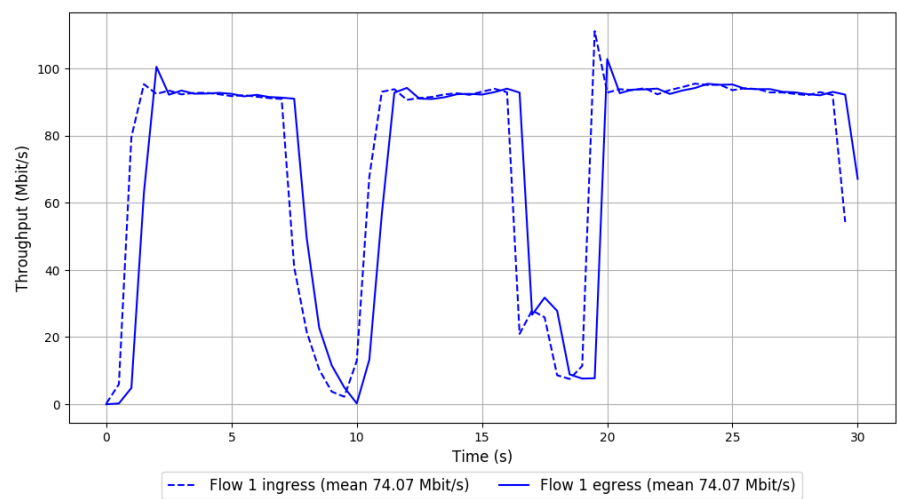
-- Flow 1:

Average throughput: 74.07 Mbit/s

95th percentile per-packet one-way delay: 70.006 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-05-31 06:59:04

End at: 2018-05-31 06:59:34

Local clock offset: -0.23 ms

Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-05-31 10:15:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.71 Mbit/s

95th percentile per-packet one-way delay: 66.854 ms

Loss rate: 0.01%

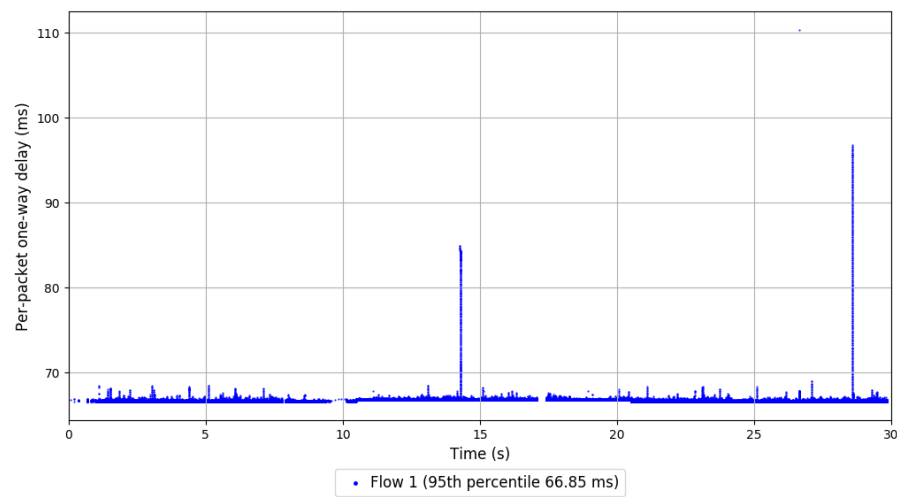
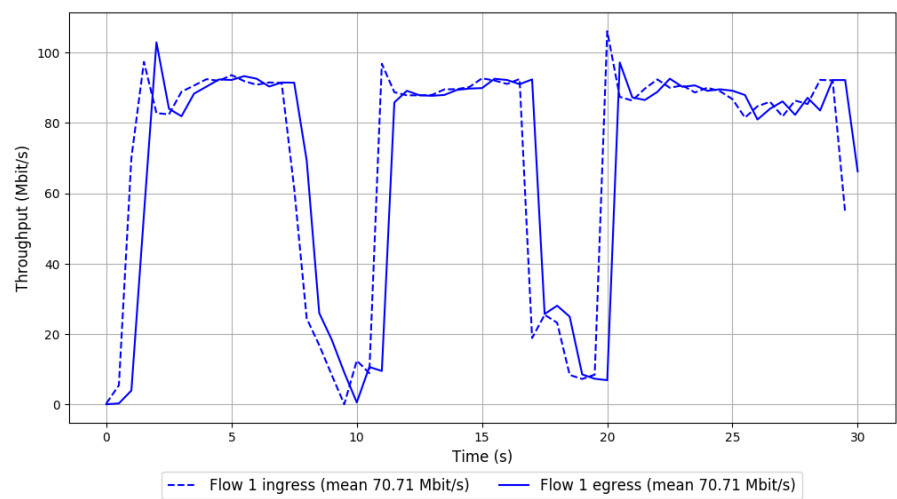
-- Flow 1:

Average throughput: 70.71 Mbit/s

95th percentile per-packet one-way delay: 66.854 ms

Loss rate: 0.01%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-05-31 07:19:07

End at: 2018-05-31 07:19:37

Local clock offset: -0.334 ms

Remote clock offset: 6.471 ms

Below is generated by plot.py at 2018-05-31 10:15:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.64 Mbit/s

95th percentile per-packet one-way delay: 73.450 ms

Loss rate: 0.00%

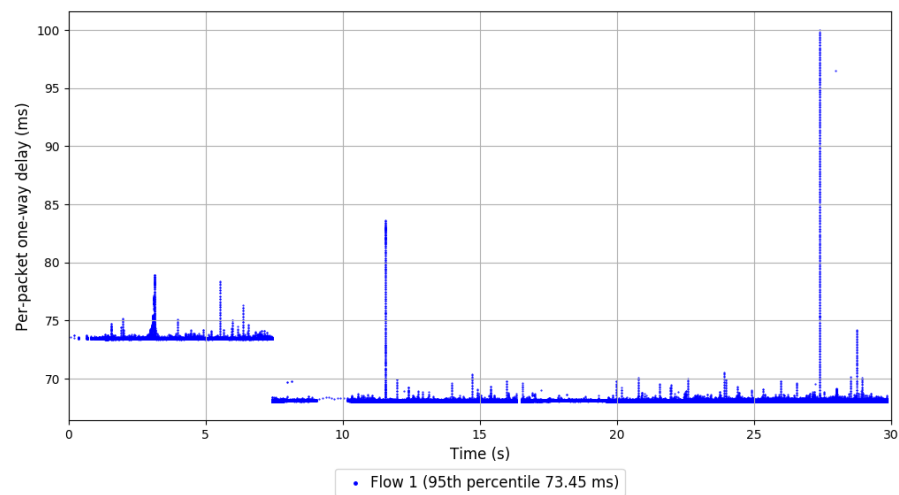
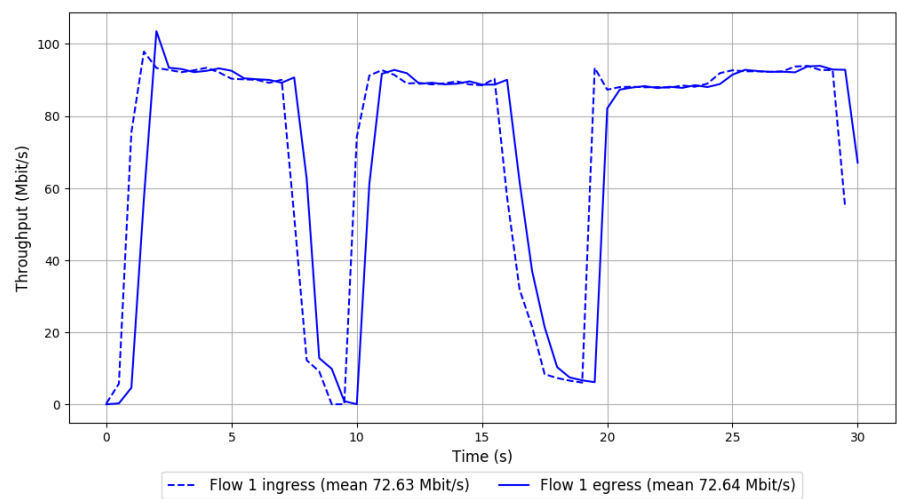
-- Flow 1:

Average throughput: 72.64 Mbit/s

95th percentile per-packet one-way delay: 73.450 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-05-31 07:39:07

End at: 2018-05-31 07:39:37

Local clock offset: -0.426 ms

Remote clock offset: -0.21 ms

Below is generated by plot.py at 2018-05-31 10:15:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.02 Mbit/s

95th percentile per-packet one-way delay: 66.615 ms

Loss rate: 0.00%

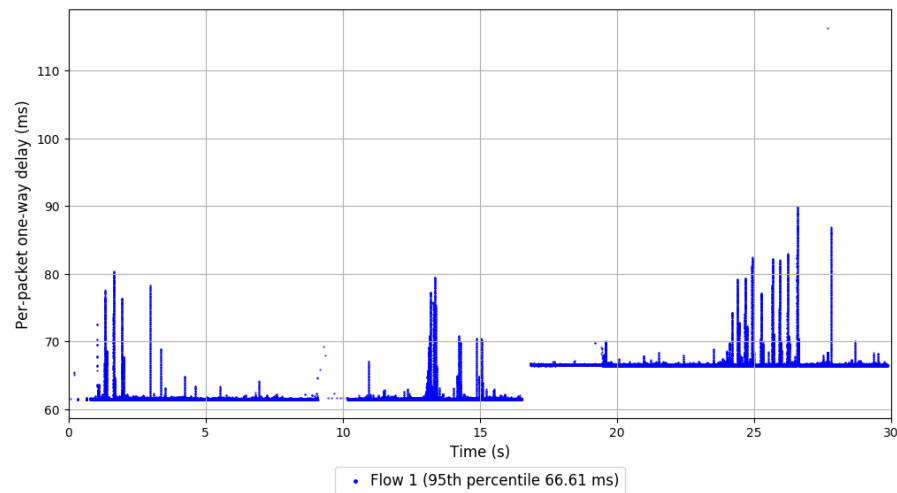
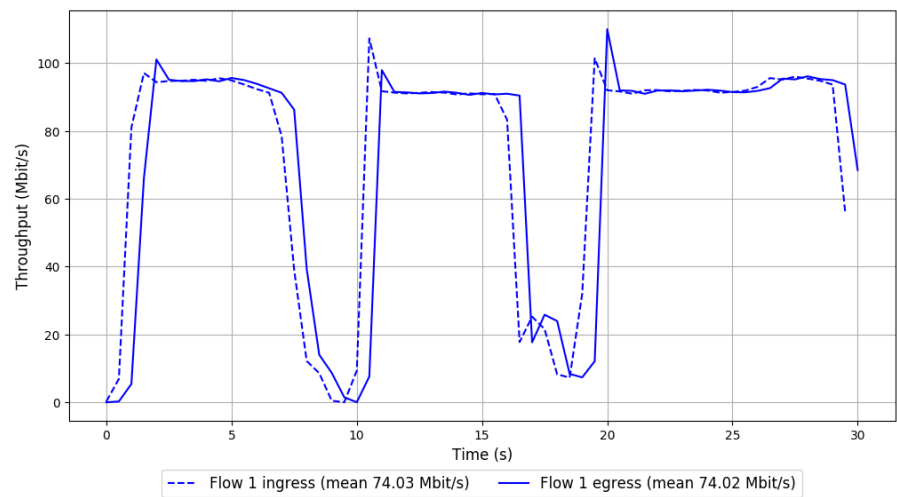
-- Flow 1:

Average throughput: 74.02 Mbit/s

95th percentile per-packet one-way delay: 66.615 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-05-31 07:59:26

End at: 2018-05-31 07:59:56

Local clock offset: -0.411 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-05-31 10:15:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.62 Mbit/s

95th percentile per-packet one-way delay: 63.670 ms

Loss rate: 0.00%

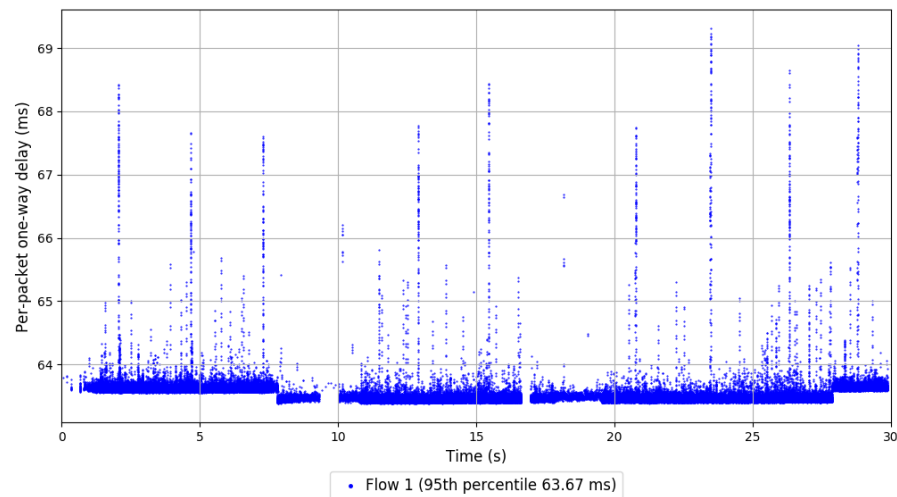
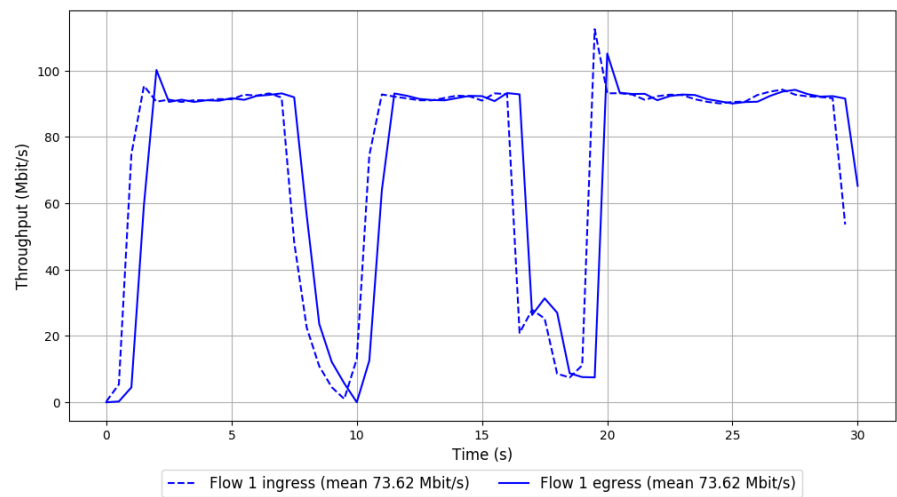
-- Flow 1:

Average throughput: 73.62 Mbit/s

95th percentile per-packet one-way delay: 63.670 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-05-31 08:19:25

End at: 2018-05-31 08:19:55

Local clock offset: 0.12 ms

Remote clock offset: 6.442 ms

Below is generated by plot.py at 2018-05-31 10:15:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.04 Mbit/s

95th percentile per-packet one-way delay: 70.192 ms

Loss rate: 0.00%

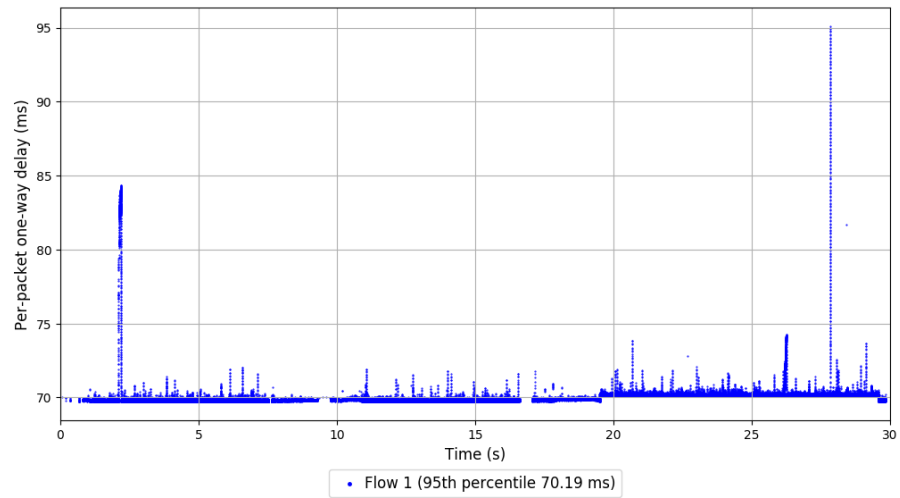
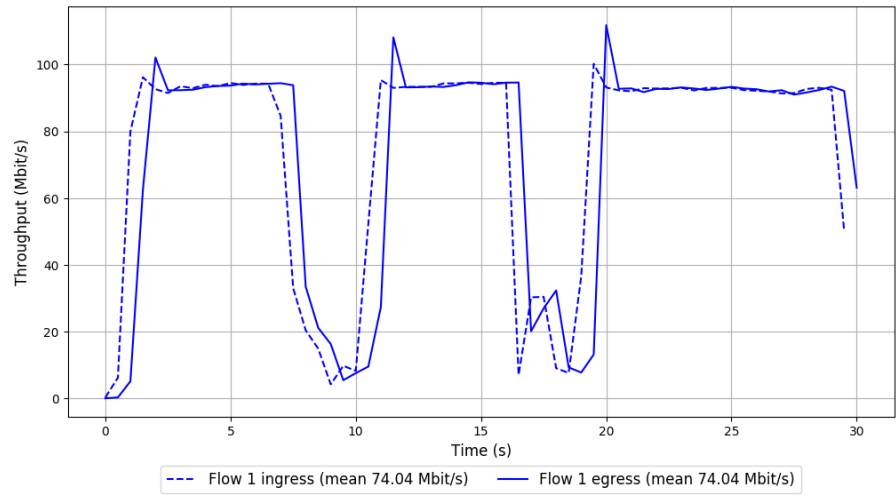
-- Flow 1:

Average throughput: 74.04 Mbit/s

95th percentile per-packet one-way delay: 70.192 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-05-31 08:39:41

End at: 2018-05-31 08:40:11

Local clock offset: 0.206 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-05-31 10:15:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.53 Mbit/s

95th percentile per-packet one-way delay: 63.551 ms

Loss rate: 0.01%

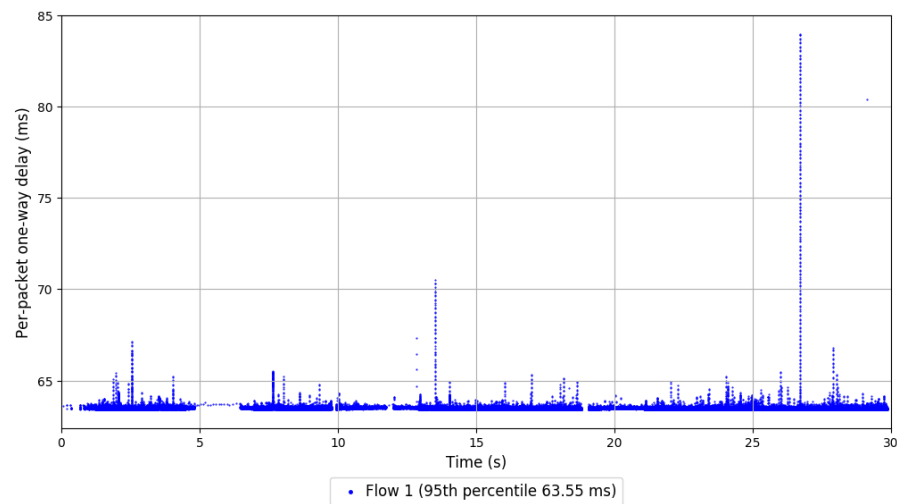
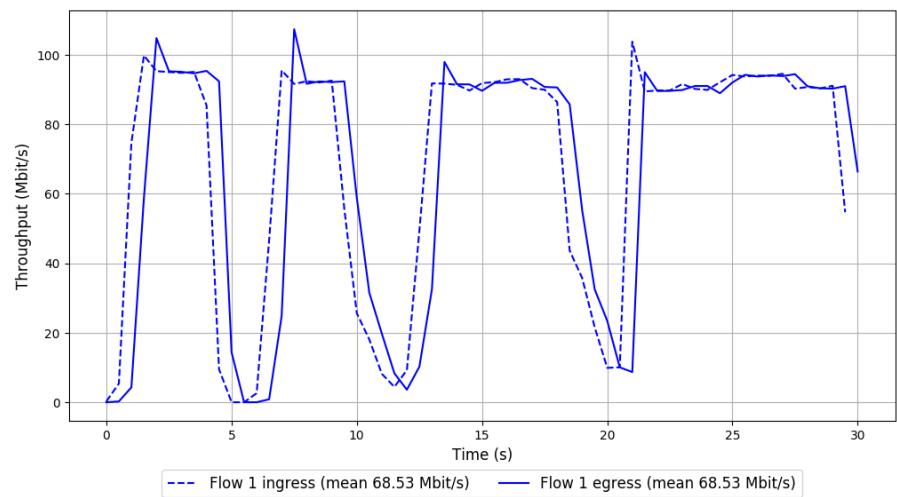
-- Flow 1:

Average throughput: 68.53 Mbit/s

95th percentile per-packet one-way delay: 63.551 ms

Loss rate: 0.01%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-05-31 08:59:46

End at: 2018-05-31 09:00:16

Local clock offset: 0.315 ms

Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-05-31 10:15:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.51 Mbit/s

95th percentile per-packet one-way delay: 63.424 ms

Loss rate: 0.00%

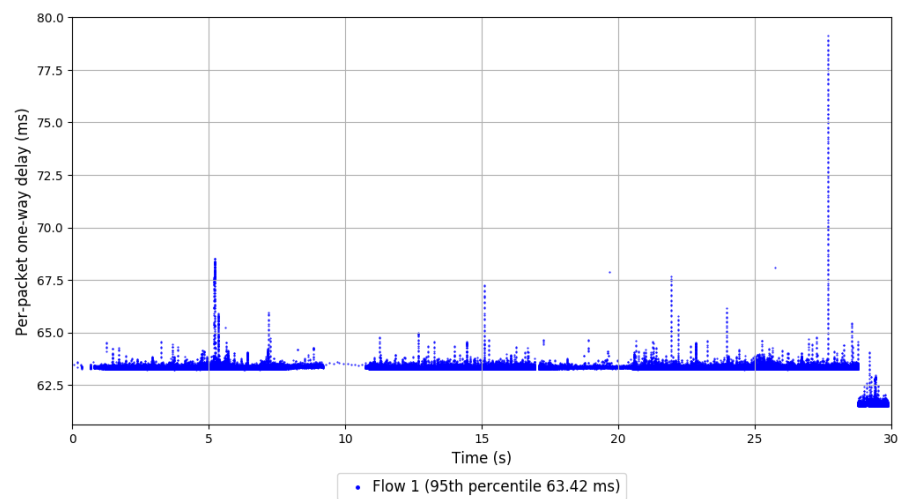
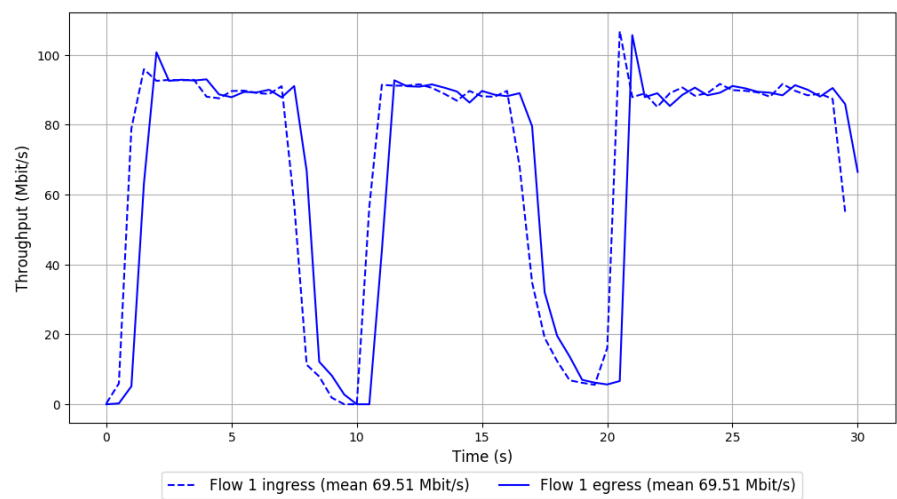
-- Flow 1:

Average throughput: 69.51 Mbit/s

95th percentile per-packet one-way delay: 63.424 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

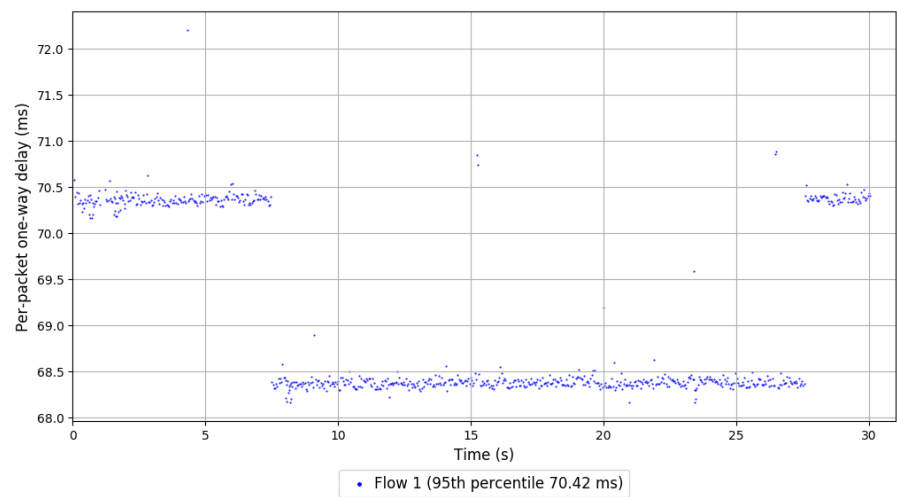
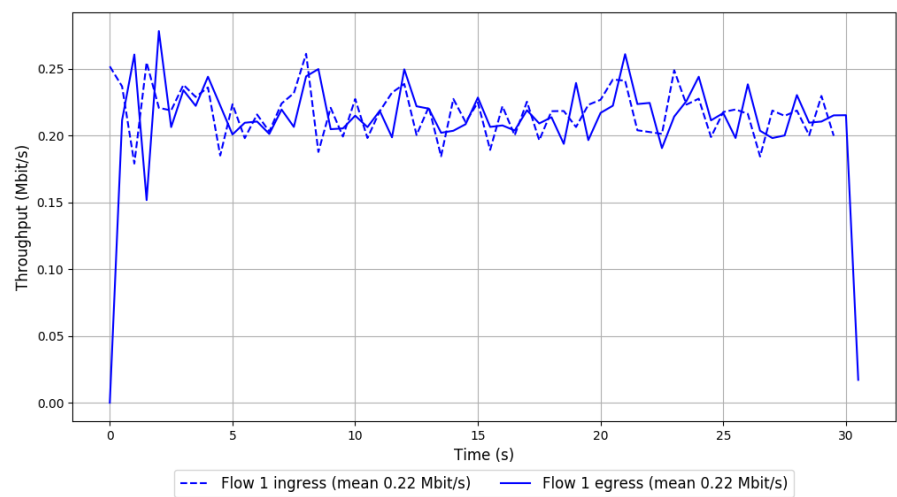


```
Run 1: Statistics of SCReAM

Start at: 2018-05-31 06:01:47
End at: 2018-05-31 06:02:17
Local clock offset: 0.701 ms
Remote clock offset: 6.626 ms

# Below is generated by plot.py at 2018-05-31 10:15:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 70.417 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 70.417 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

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

End at: 2018-05-31 06:22:36

Local clock offset: 0.176 ms

Remote clock offset: 6.431 ms

Below is generated by plot.py at 2018-05-31 10:15:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 70.288 ms

Loss rate: 0.00%

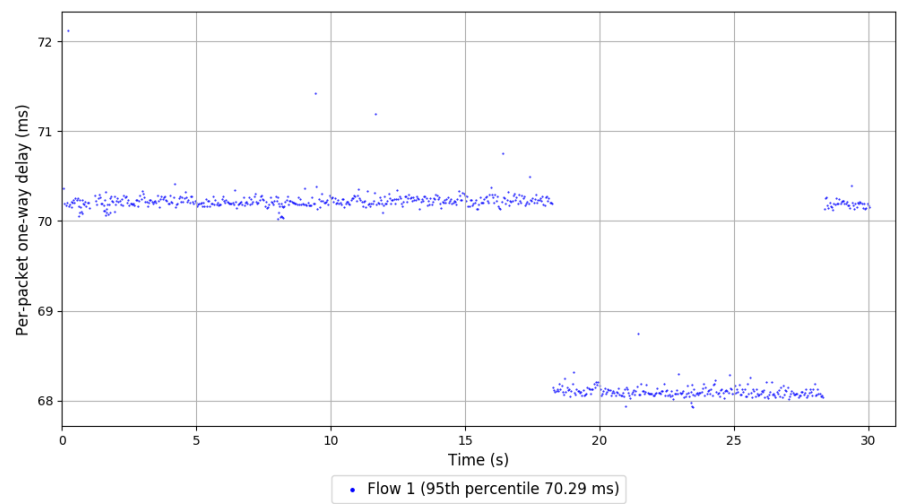
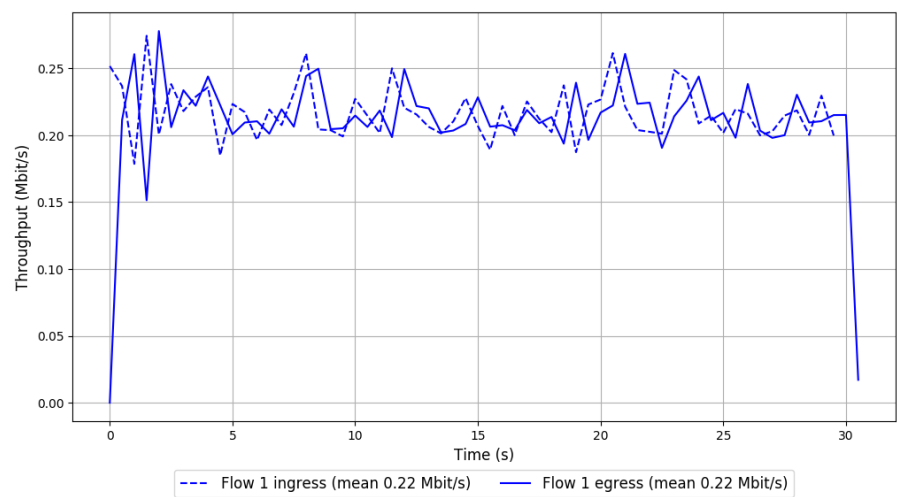
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 70.288 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-05-31 06:42:30

End at: 2018-05-31 06:43:00

Local clock offset: -0.111 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-05-31 10:15:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.827 ms

Loss rate: 0.00%

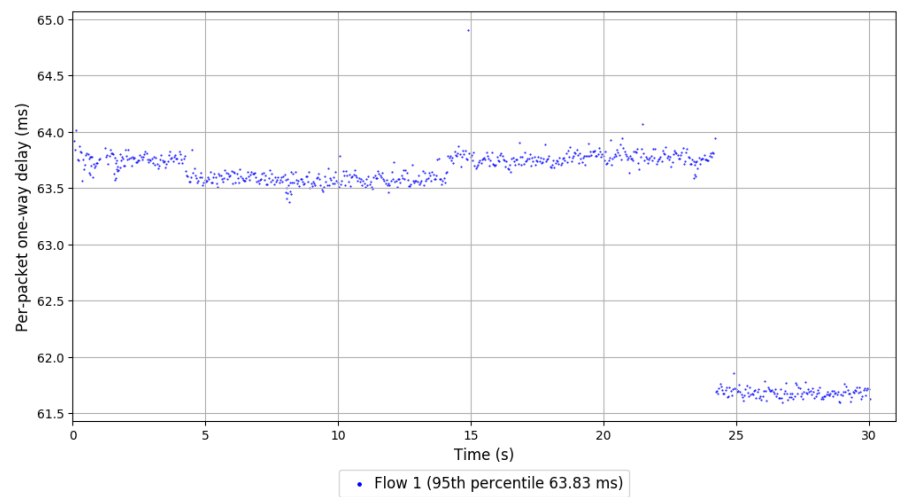
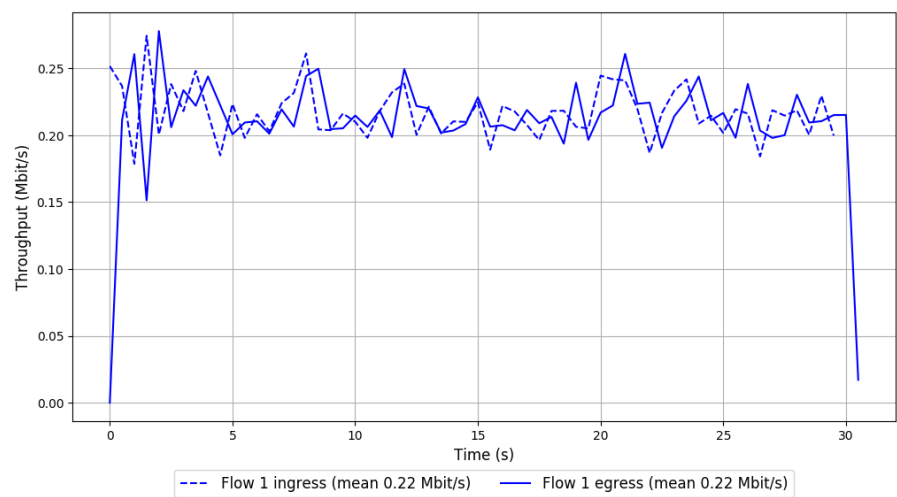
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.827 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-05-31 07:02:37

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

Local clock offset: -0.221 ms

Remote clock offset: 6.478 ms

Below is generated by plot.py at 2018-05-31 10:15:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 73.365 ms

Loss rate: 0.00%

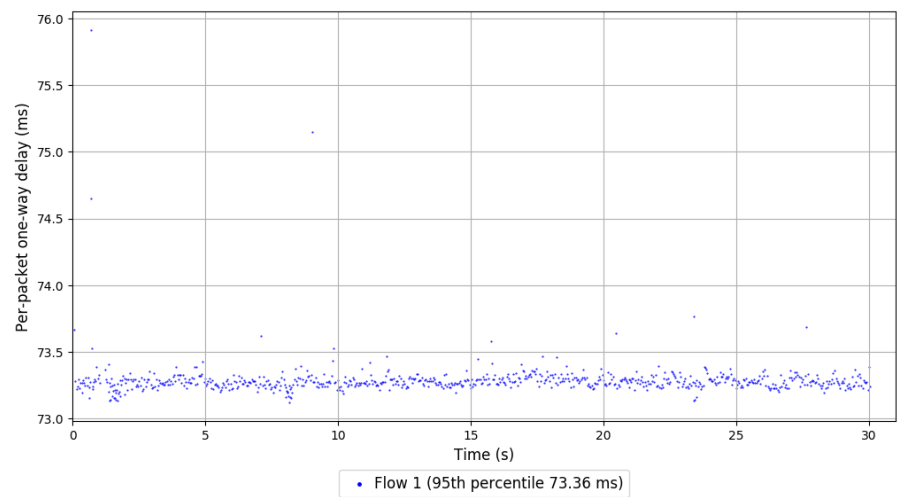
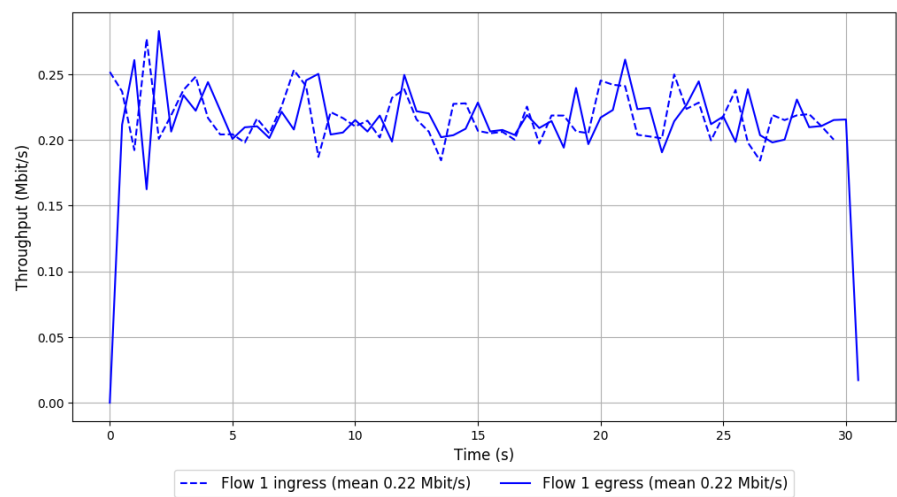
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 73.365 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

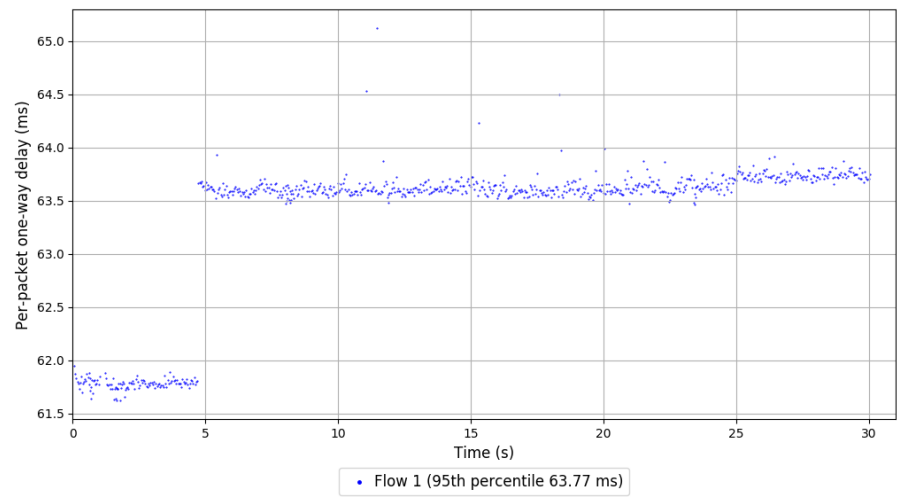
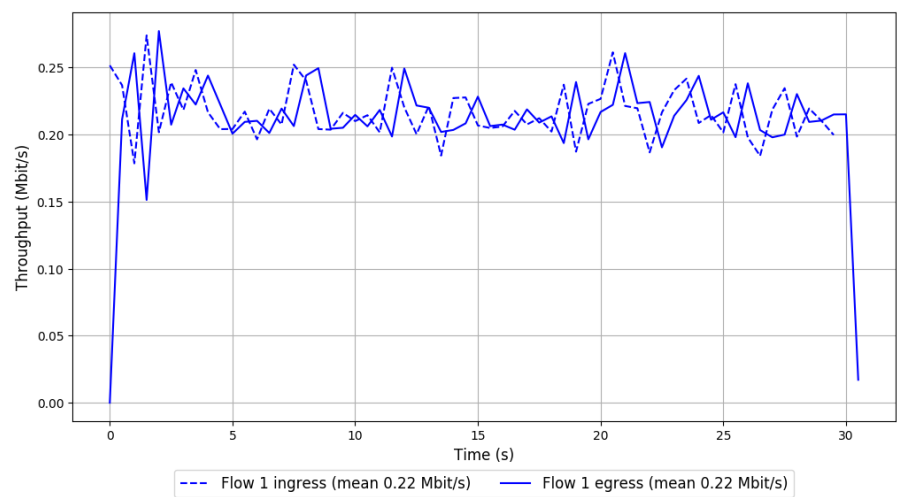


Run 5: Statistics of SCReAM

Start at: 2018-05-31 07:22:40
End at: 2018-05-31 07:23:10
Local clock offset: -0.338 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-05-31 10:15:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.772 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.772 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

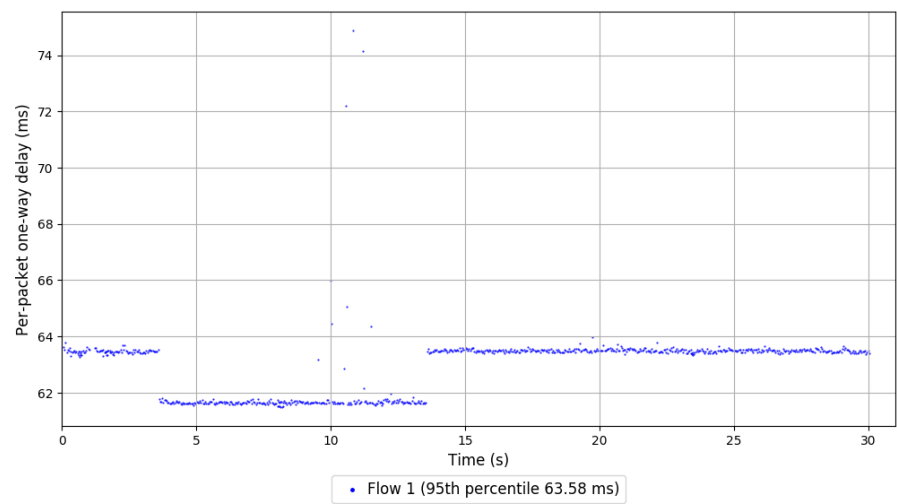
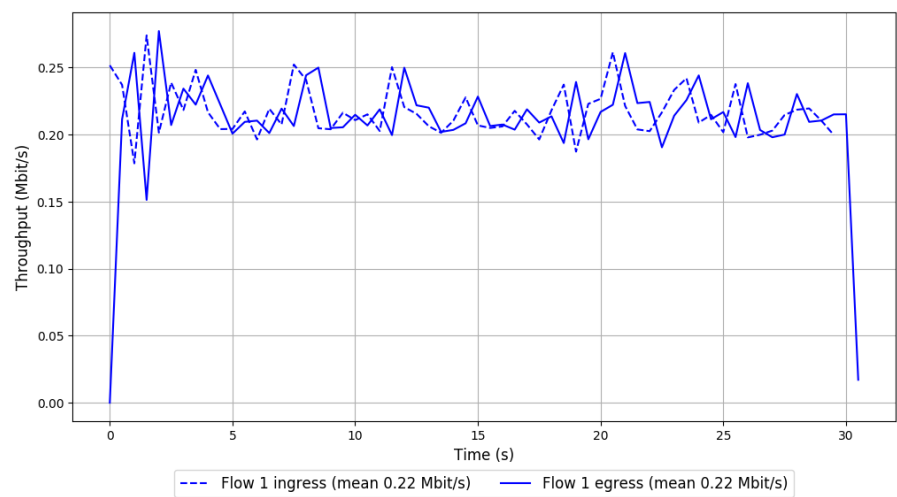


Run 6: Statistics of SCReAM

Start at: 2018-05-31 07:42:41
End at: 2018-05-31 07:43:11
Local clock offset: -0.422 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2018-05-31 10:15:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.575 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.575 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

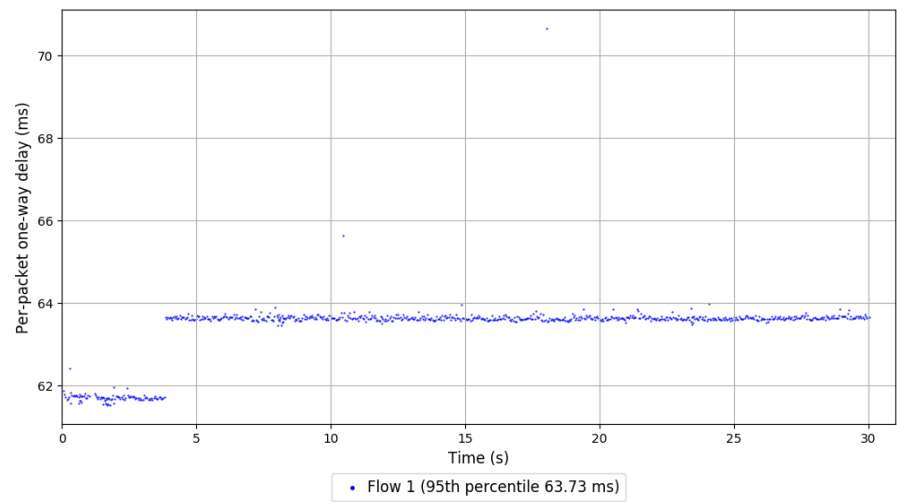
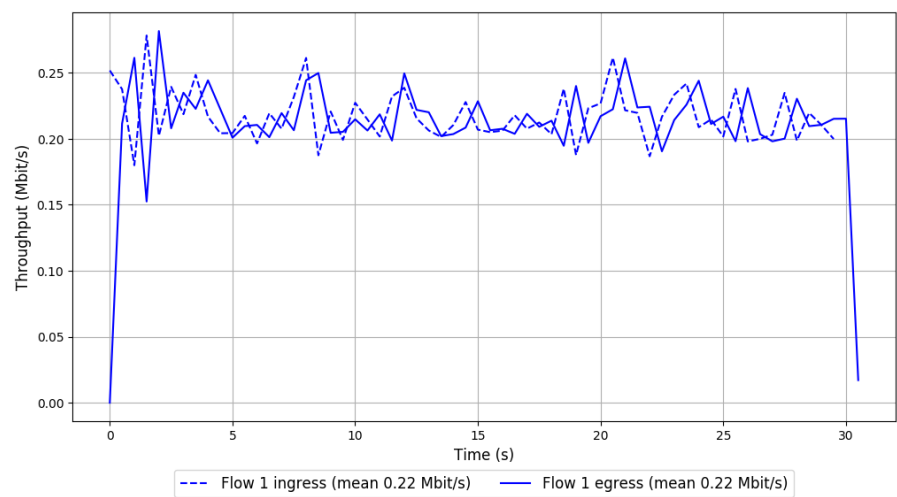


Run 7: Statistics of SCReAM

Start at: 2018-05-31 08:03:01
End at: 2018-05-31 08:03:31
Local clock offset: -0.233 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2018-05-31 10:15:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.729 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.729 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-05-31 08:22:59

End at: 2018-05-31 08:23:29

Local clock offset: 0.145 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-05-31 10:15:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.778 ms

Loss rate: 0.00%

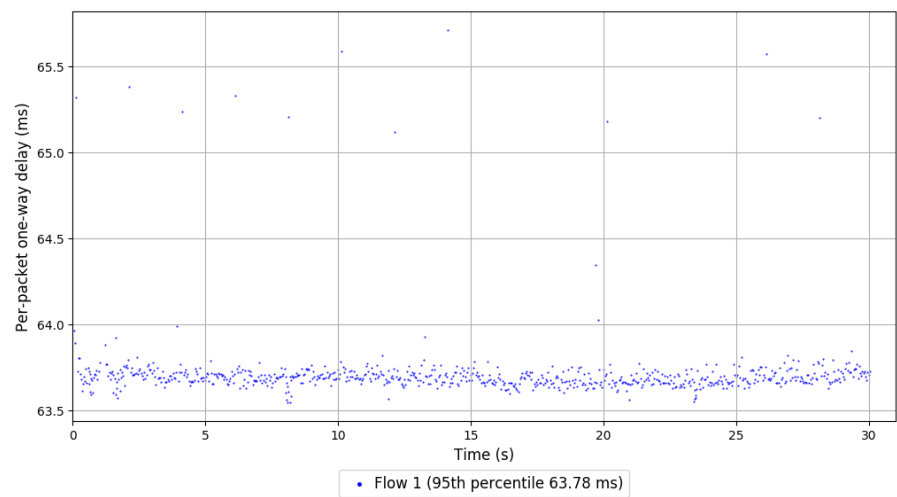
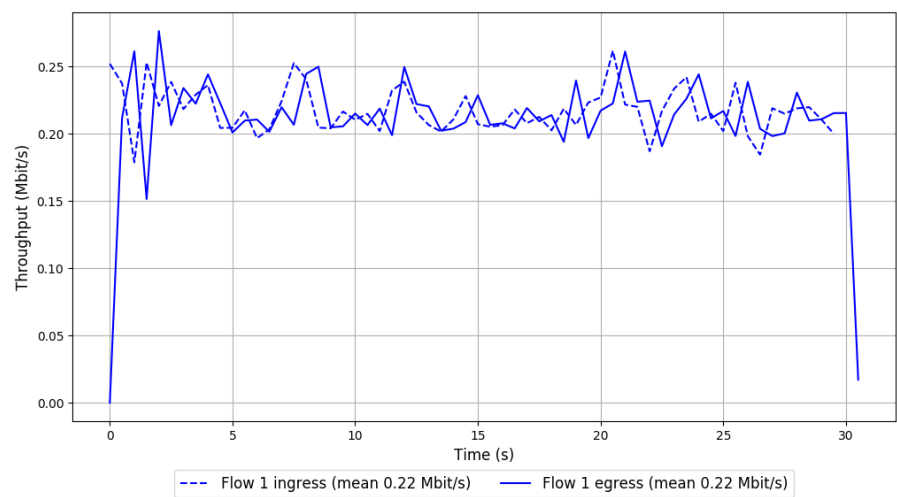
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.778 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

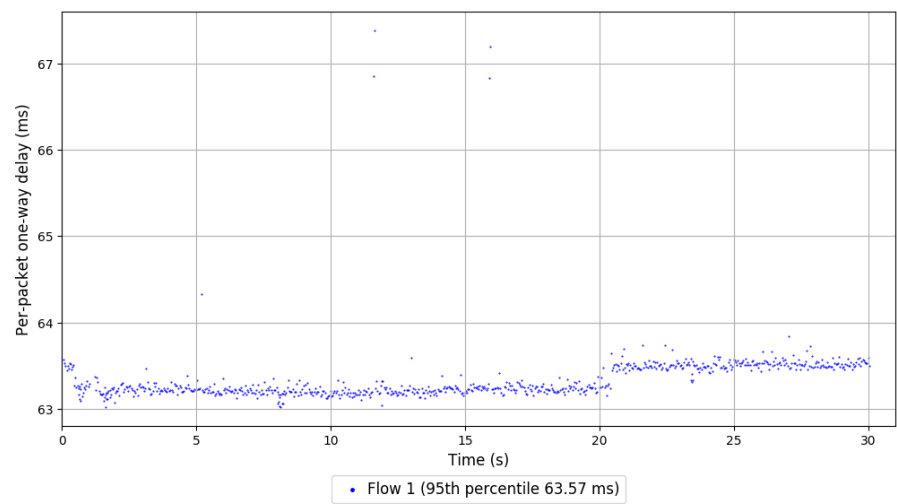
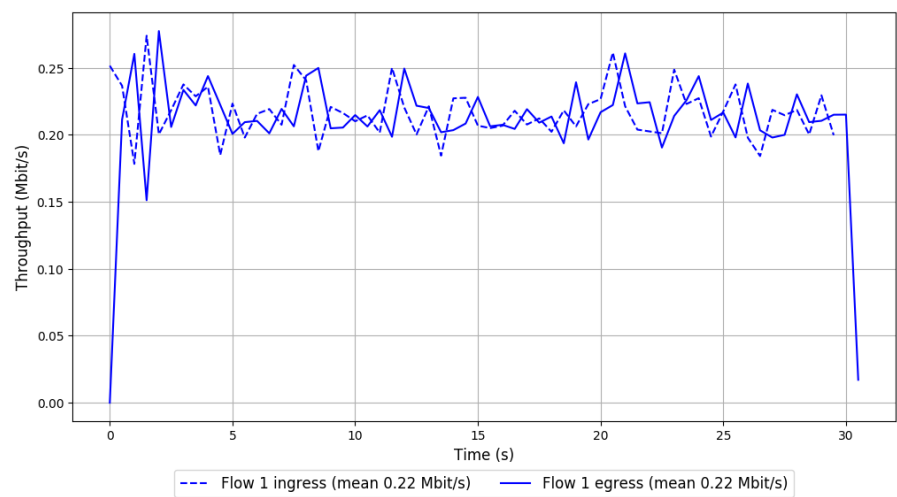


Run 9: Statistics of SCReAM

Start at: 2018-05-31 08:43:14
End at: 2018-05-31 08:43:44
Local clock offset: 0.25 ms
Remote clock offset: -0.308 ms

Below is generated by plot.py at 2018-05-31 10:15:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.568 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.568 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-05-31 09:03:20

End at: 2018-05-31 09:03:50

Local clock offset: 0.333 ms

Remote clock offset: 6.658 ms

Below is generated by plot.py at 2018-05-31 10:15:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 70.424 ms

Loss rate: 0.00%

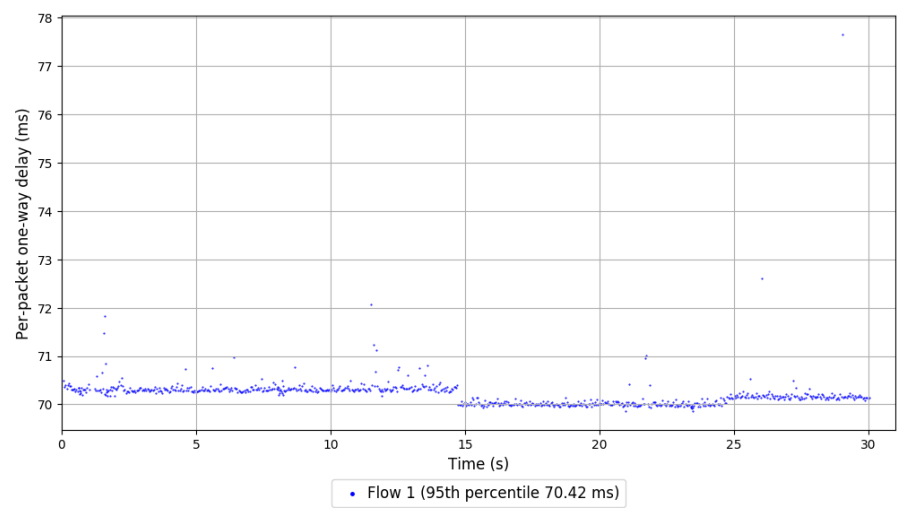
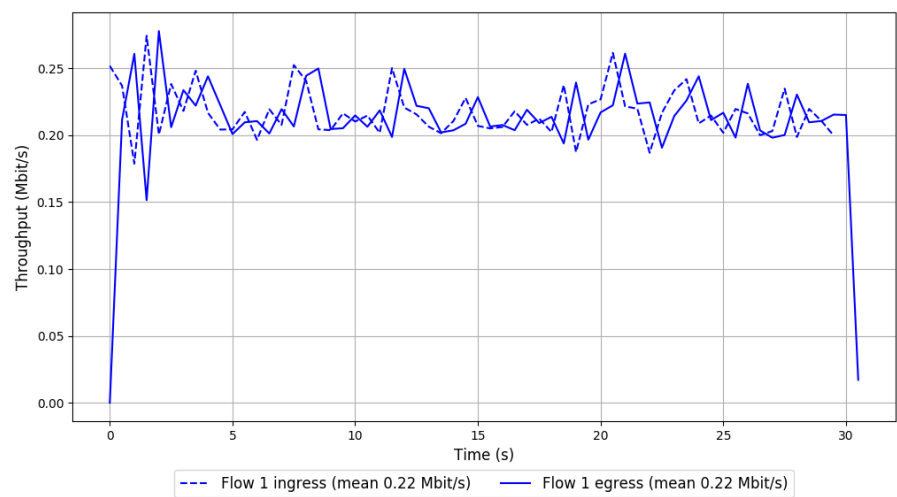
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 70.424 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-05-31 06:00:41

End at: 2018-05-31 06:01:11

Local clock offset: 0.679 ms

Remote clock offset: 6.557 ms

Below is generated by plot.py at 2018-05-31 10:15:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 70.694 ms

Loss rate: 0.00%

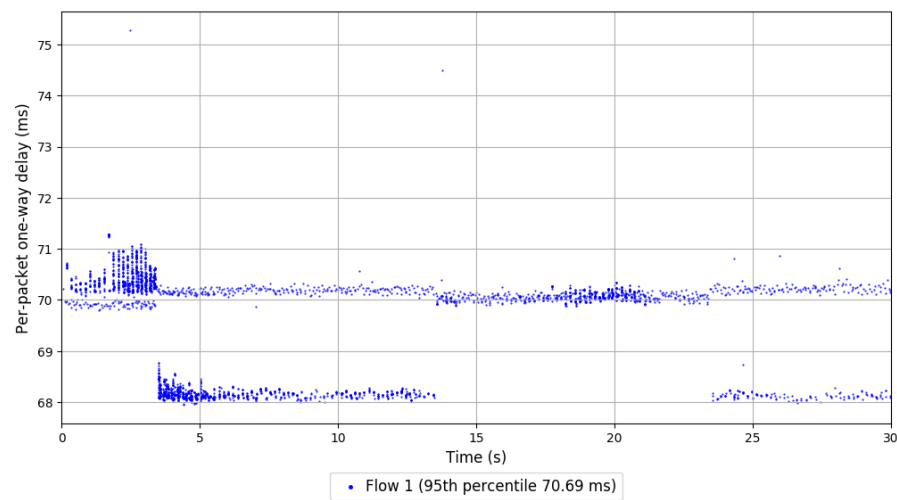
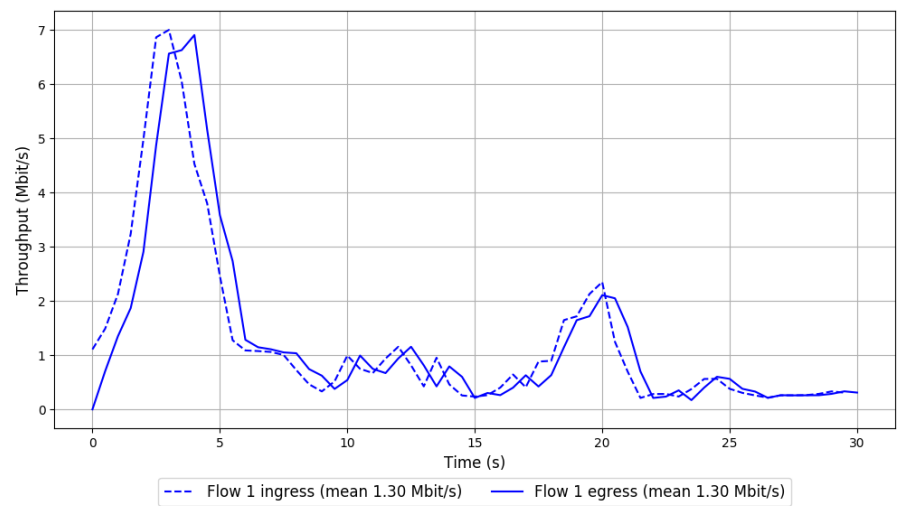
-- Flow 1:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 70.694 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

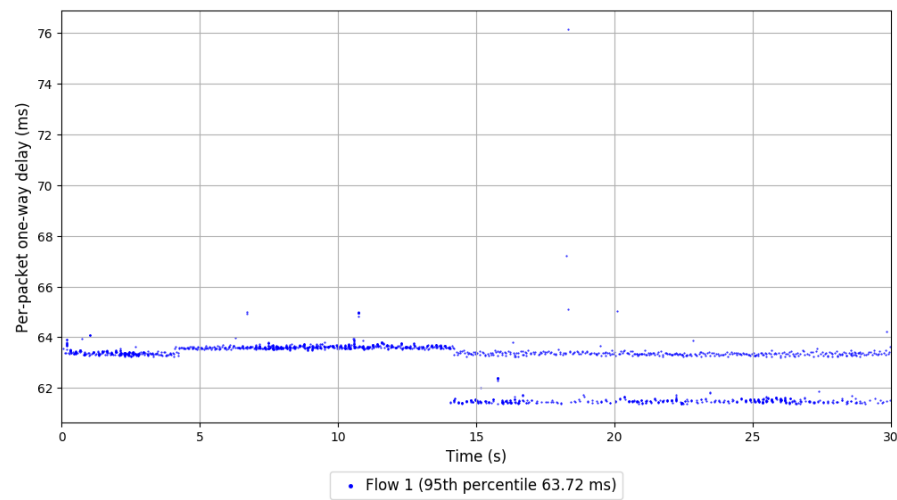
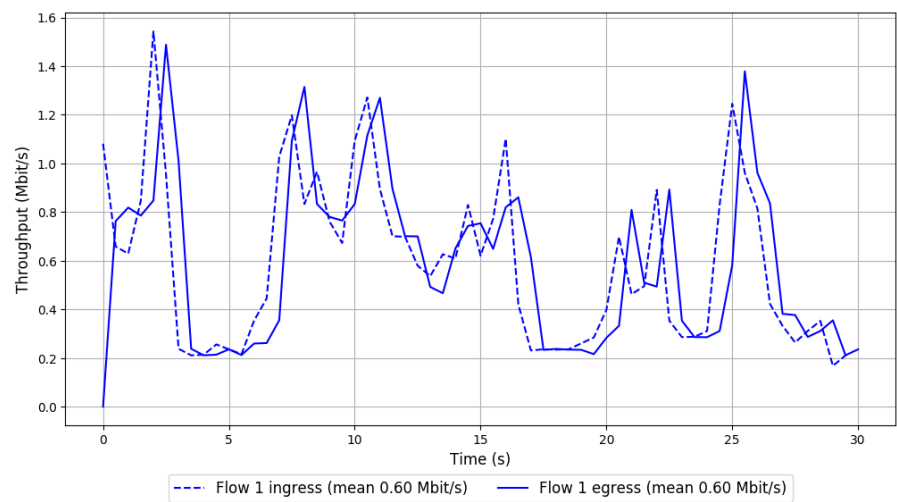


Run 2: Statistics of Sprout

Start at: 2018-05-31 06:21:00
End at: 2018-05-31 06:21:30
Local clock offset: 0.244 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-05-31 10:15:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 63.716 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 63.716 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

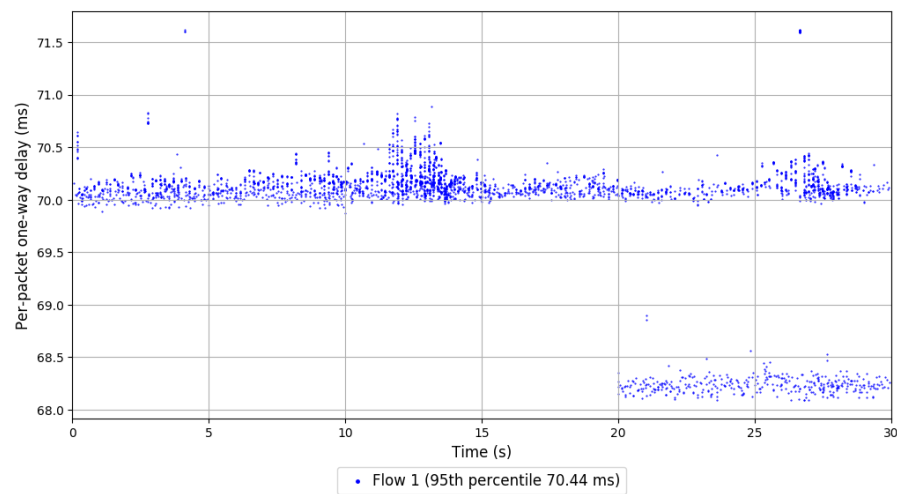
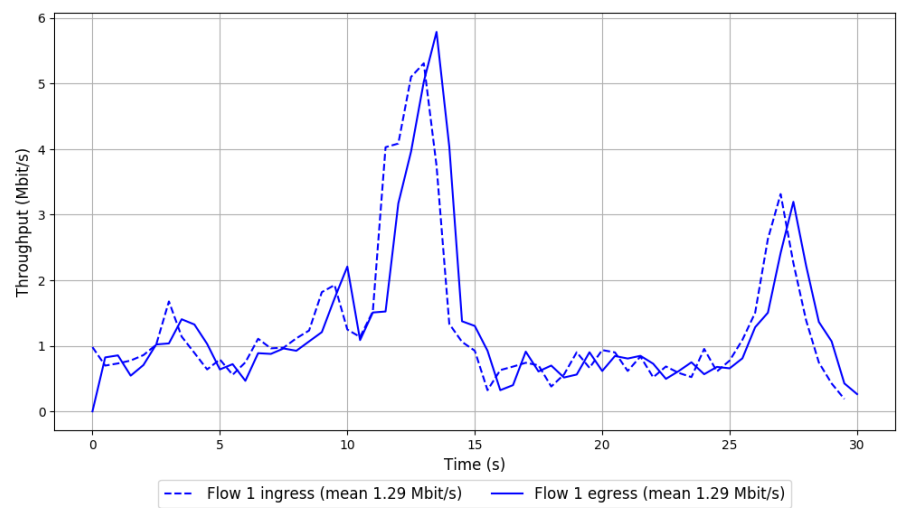


Run 3: Statistics of Sprout

Start at: 2018-05-31 06:41:24
End at: 2018-05-31 06:41:54
Local clock offset: -0.091 ms
Remote clock offset: 6.523 ms

Below is generated by plot.py at 2018-05-31 10:15:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 70.436 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 70.436 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

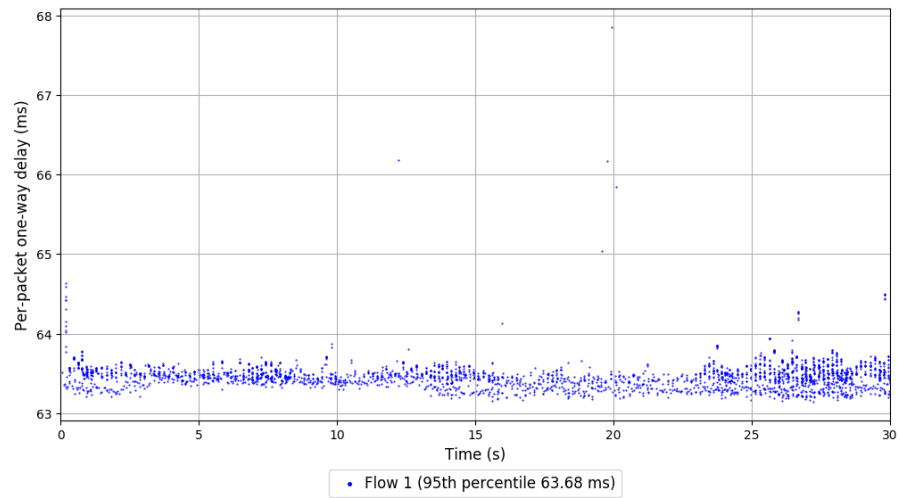
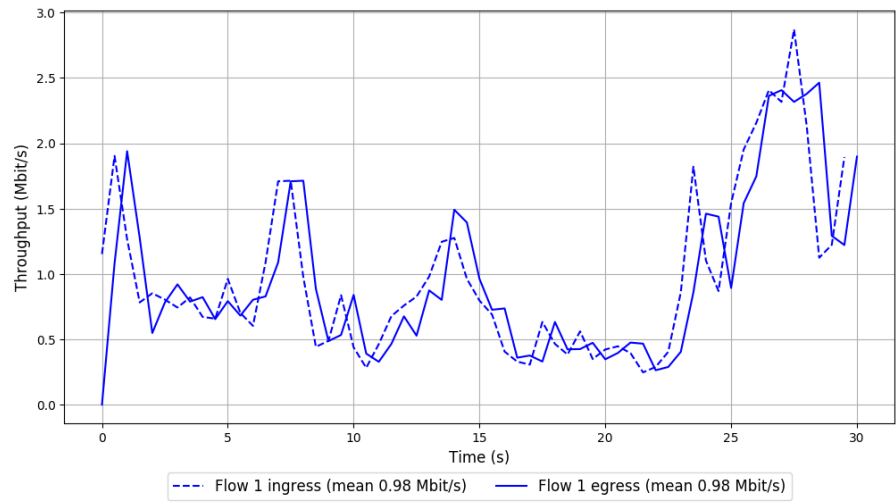


Run 4: Statistics of Sprout

Start at: 2018-05-31 07:01:31
End at: 2018-05-31 07:02:01
Local clock offset: -0.234 ms
Remote clock offset: -0.178 ms

Below is generated by plot.py at 2018-05-31 10:15:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.98 Mbit/s
95th percentile per-packet one-way delay: 63.684 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.98 Mbit/s
95th percentile per-packet one-way delay: 63.684 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-05-31 07:21:34

End at: 2018-05-31 07:22:04

Local clock offset: -0.35 ms

Remote clock offset: 6.579 ms

Below is generated by plot.py at 2018-05-31 10:15:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.78 Mbit/s

95th percentile per-packet one-way delay: 73.780 ms

Loss rate: 0.00%

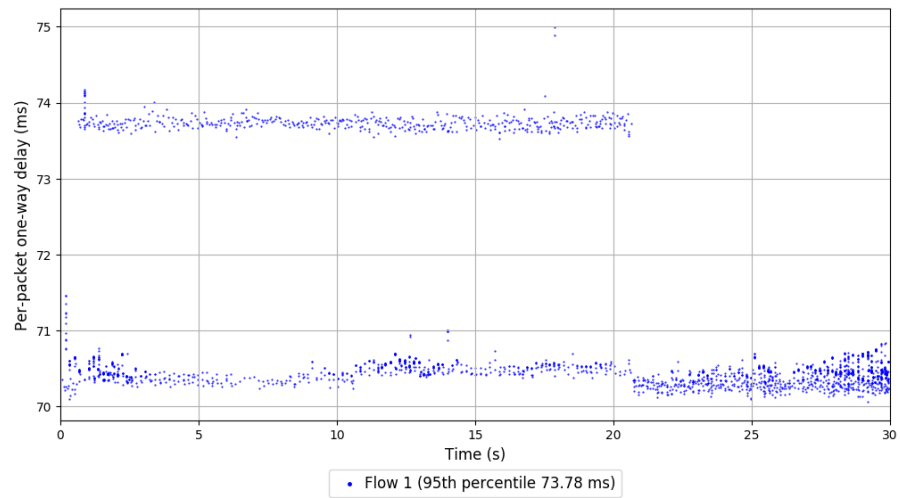
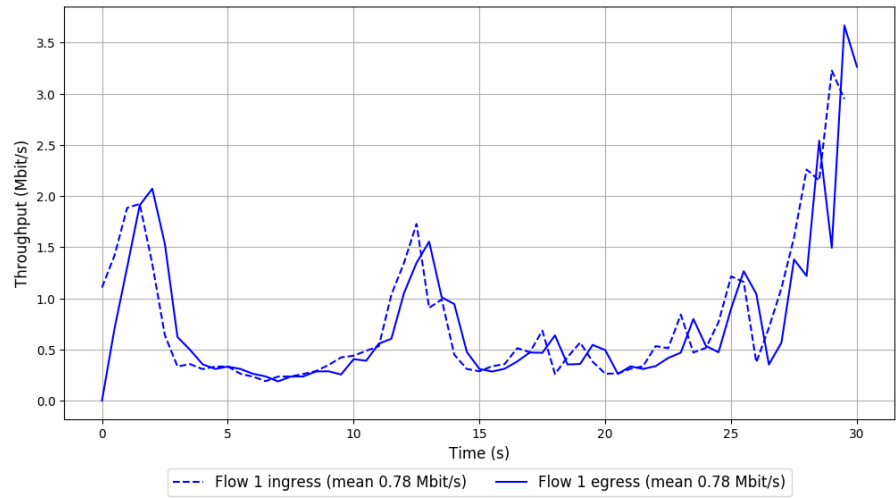
-- Flow 1:

Average throughput: 0.78 Mbit/s

95th percentile per-packet one-way delay: 73.780 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-05-31 07:41:35

End at: 2018-05-31 07:42:05

Local clock offset: -0.425 ms

Remote clock offset: 6.529 ms

Below is generated by plot.py at 2018-05-31 10:15:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.62 Mbit/s

95th percentile per-packet one-way delay: 73.741 ms

Loss rate: 0.00%

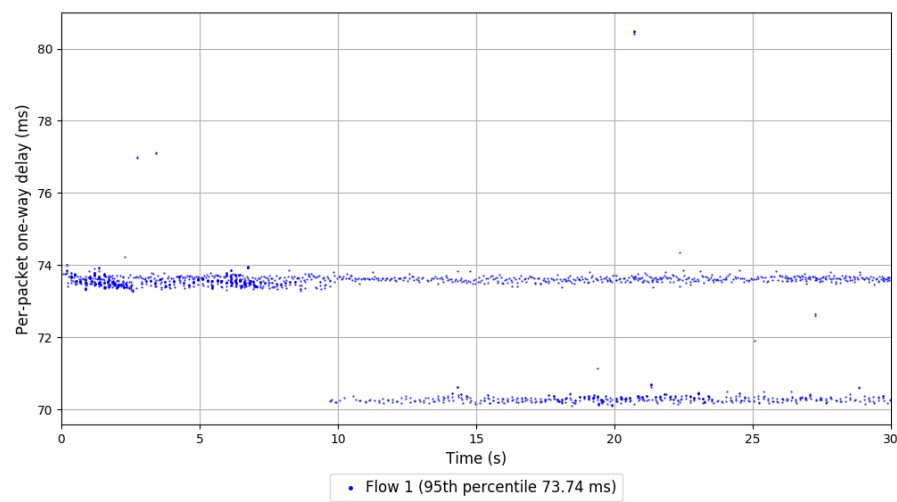
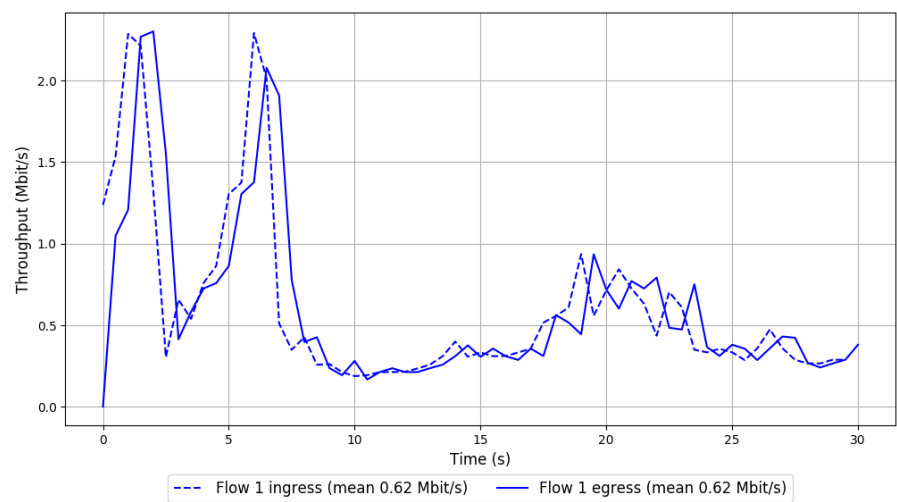
-- Flow 1:

Average throughput: 0.62 Mbit/s

95th percentile per-packet one-way delay: 73.741 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

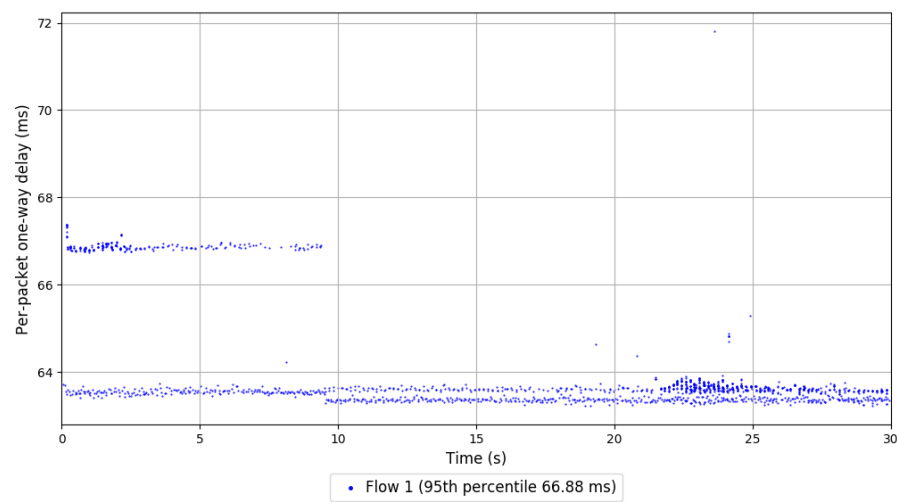
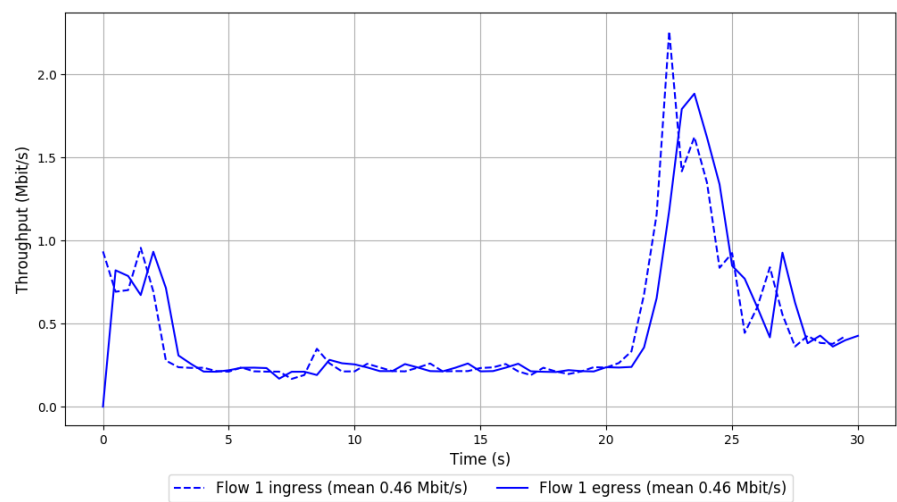


Run 7: Statistics of Sprout

Start at: 2018-05-31 08:01:55
End at: 2018-05-31 08:02:25
Local clock offset: -0.254 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-05-31 10:15:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 66.884 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 66.884 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

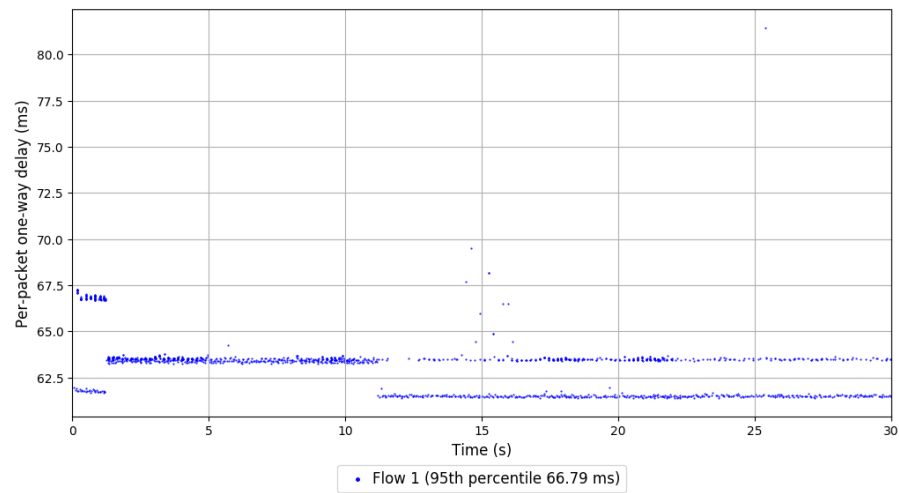
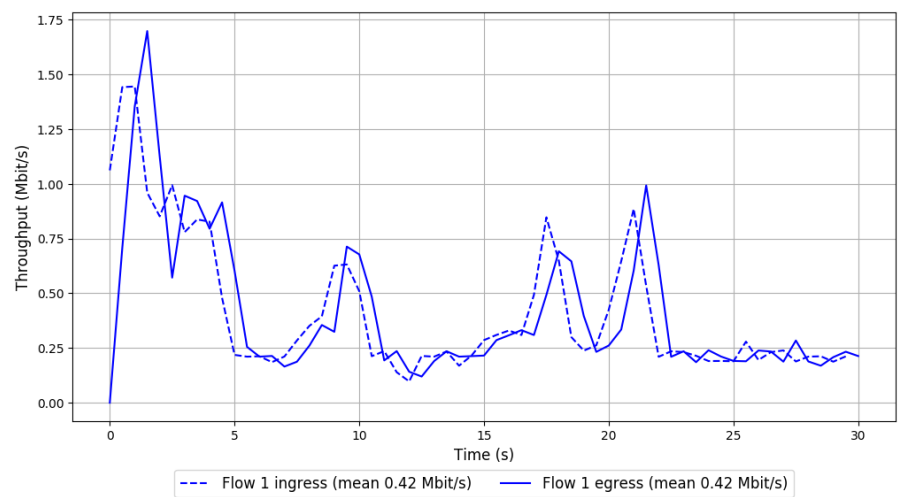


Run 8: Statistics of Sprout

Start at: 2018-05-31 08:21:53
End at: 2018-05-31 08:22:23
Local clock offset: 0.14 ms
Remote clock offset: -0.181 ms

Below is generated by plot.py at 2018-05-31 10:15:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 66.787 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 66.787 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

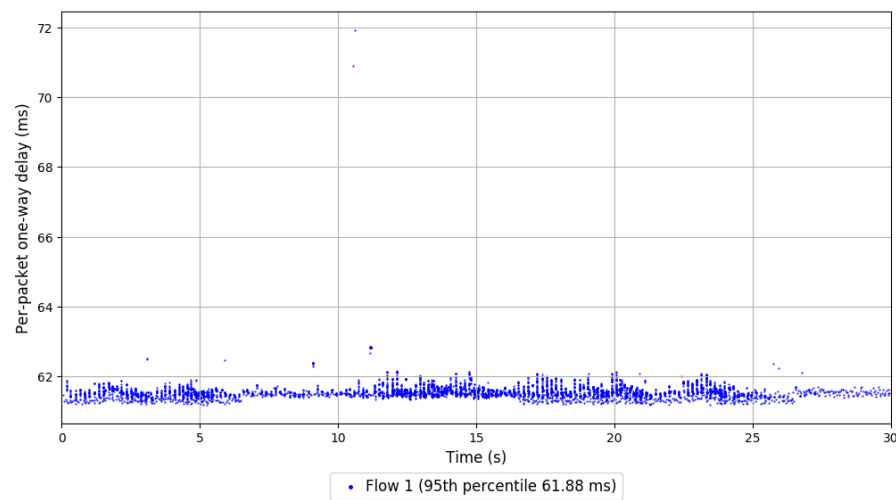
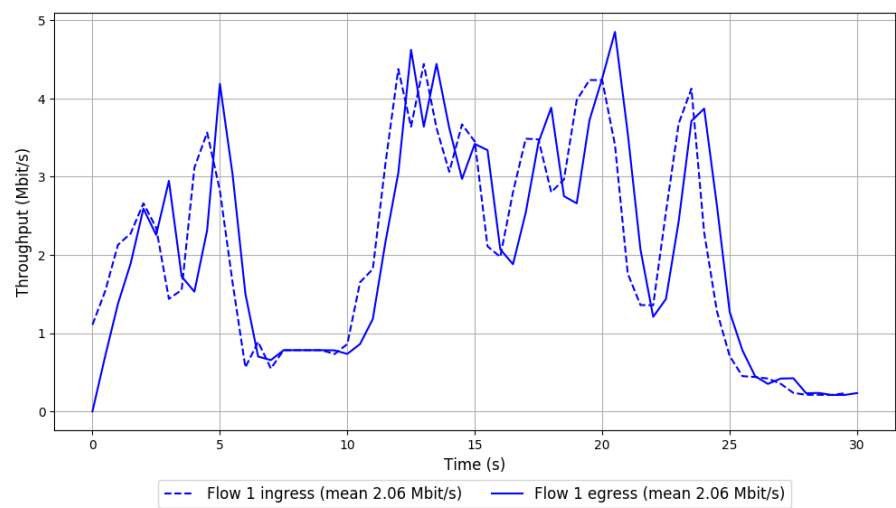


Run 9: Statistics of Sprout

Start at: 2018-05-31 08:42:08
End at: 2018-05-31 08:42:38
Local clock offset: 0.281 ms
Remote clock offset: -0.184 ms

Below is generated by plot.py at 2018-05-31 10:15:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 61.881 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 61.881 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-05-31 09:02:14

End at: 2018-05-31 09:02:44

Local clock offset: 0.372 ms

Remote clock offset: 6.67 ms

Below is generated by plot.py at 2018-05-31 10:15:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 70.375 ms

Loss rate: 0.00%

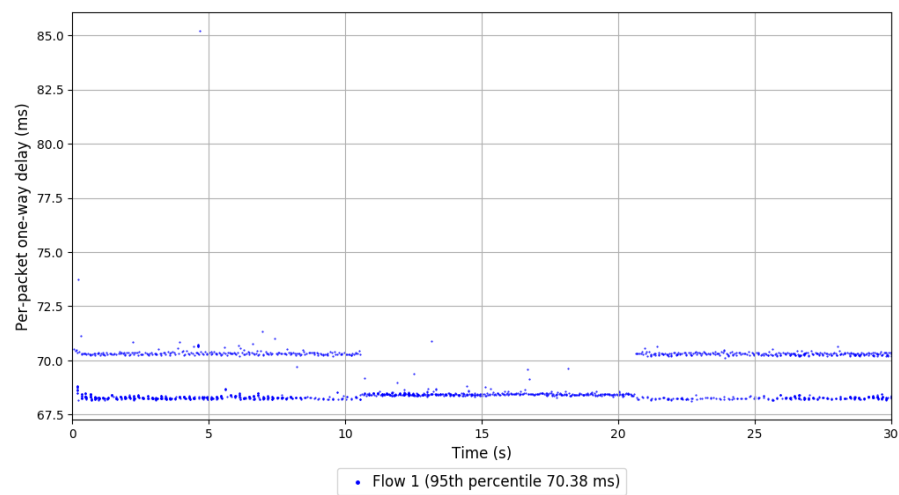
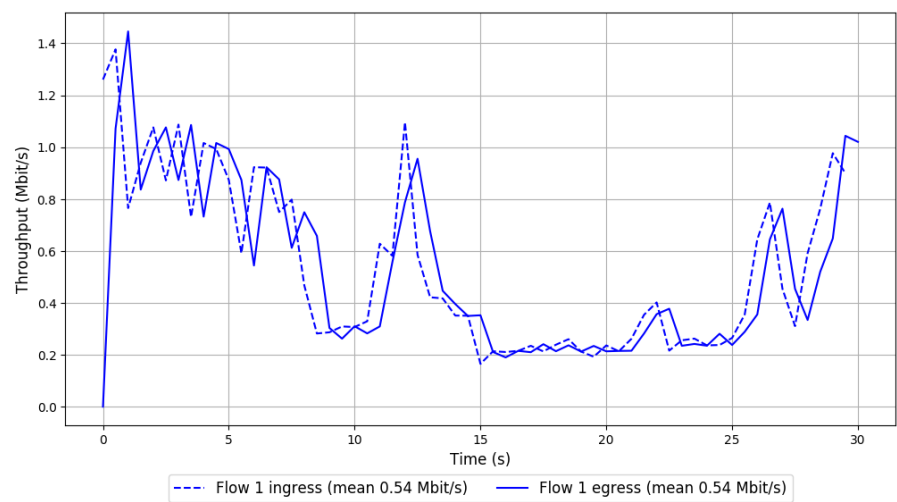
-- Flow 1:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 70.375 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-05-31 06:02:52

End at: 2018-05-31 06:03:22

Local clock offset: 0.702 ms

Remote clock offset: -0.192 ms

Below is generated by plot.py at 2018-05-31 10:20:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 245.13 Mbit/s

95th percentile per-packet one-way delay: 63.288 ms

Loss rate: 0.00%

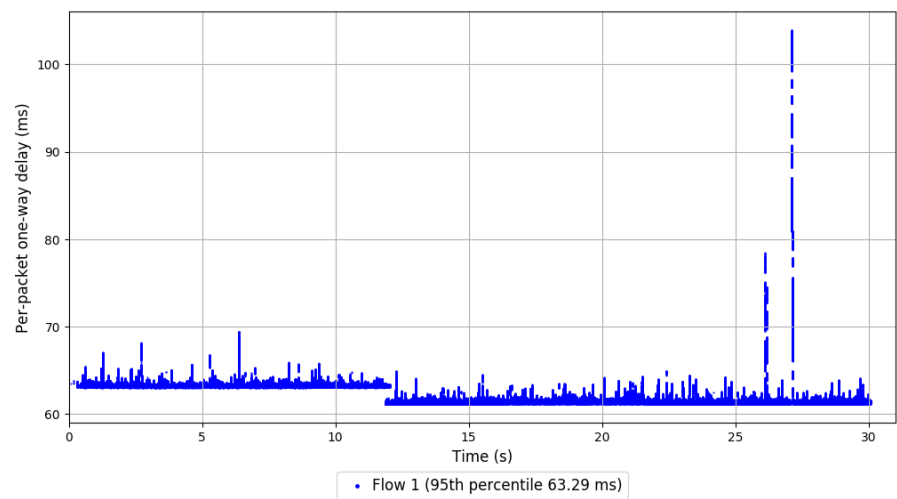
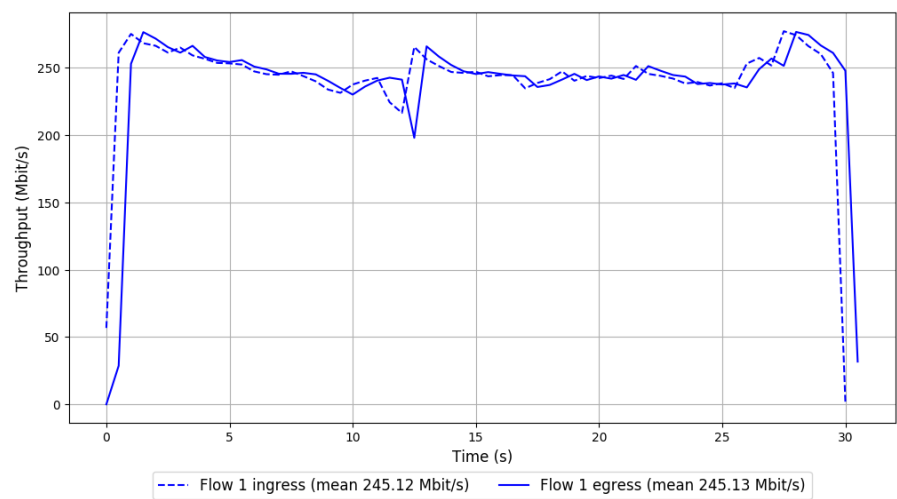
-- Flow 1:

Average throughput: 245.13 Mbit/s

95th percentile per-packet one-way delay: 63.288 ms

Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-05-31 06:23:12

End at: 2018-05-31 06:23:42

Local clock offset: 0.175 ms

Remote clock offset: 6.573 ms

Below is generated by plot.py at 2018-05-31 10:20:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.46 Mbit/s

95th percentile per-packet one-way delay: 70.310 ms

Loss rate: 0.00%

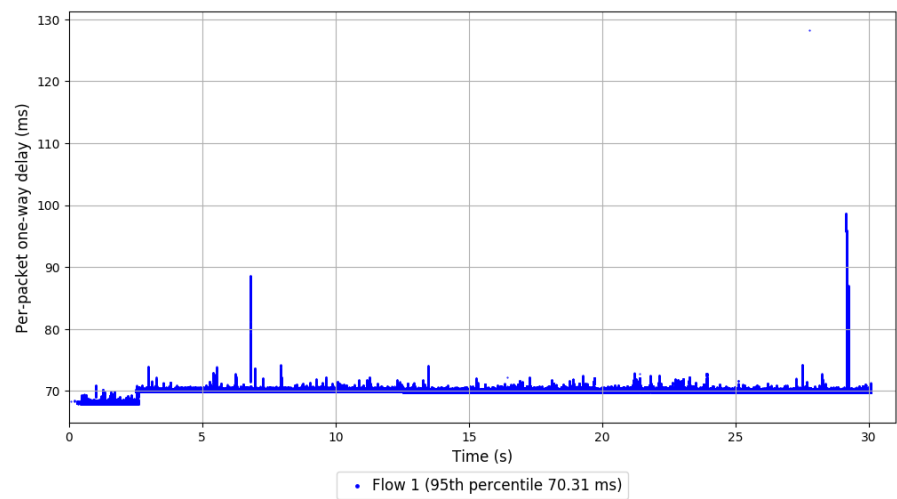
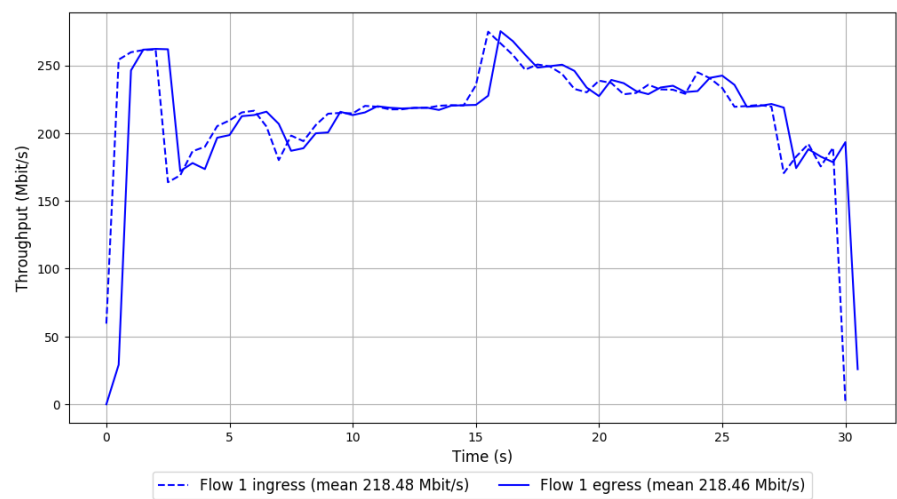
-- Flow 1:

Average throughput: 218.46 Mbit/s

95th percentile per-packet one-way delay: 70.310 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-05-31 06:43:36

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

Local clock offset: -0.112 ms

Remote clock offset: 6.643 ms

Below is generated by plot.py at 2018-05-31 10:20:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.19 Mbit/s

95th percentile per-packet one-way delay: 73.306 ms

Loss rate: 0.00%

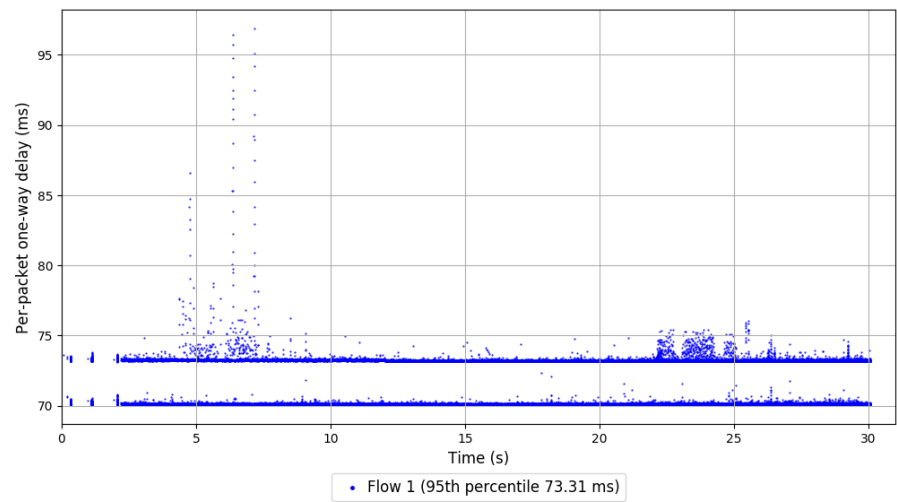
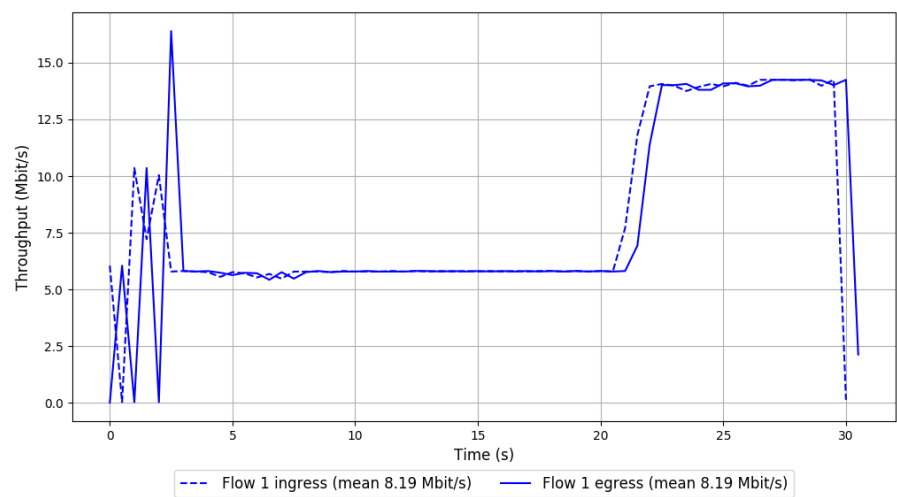
-- Flow 1:

Average throughput: 8.19 Mbit/s

95th percentile per-packet one-way delay: 73.306 ms

Loss rate: 0.00%

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

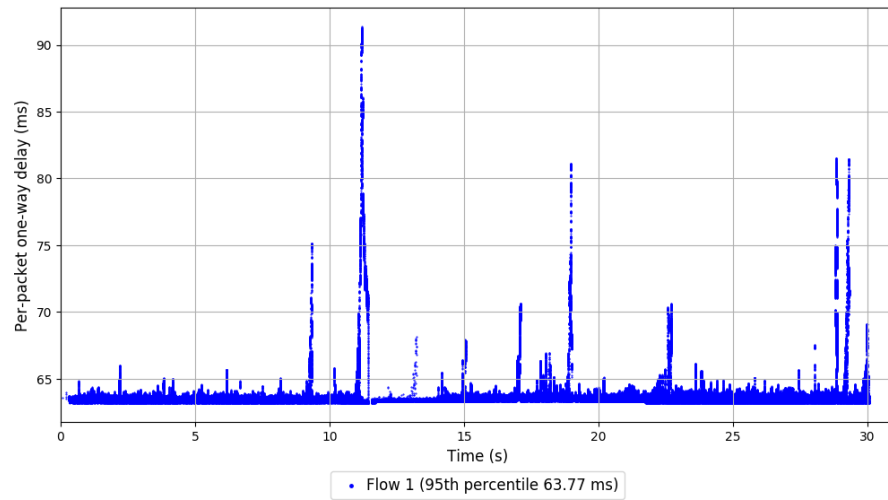
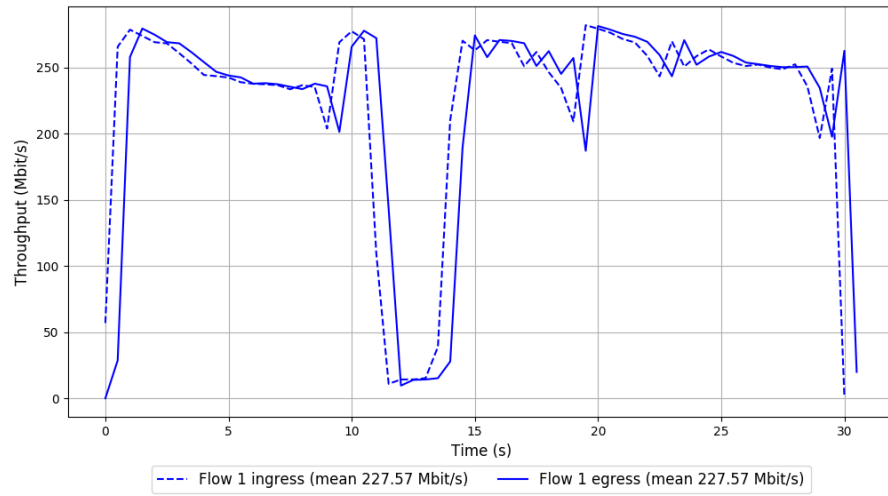


Run 4: Statistics of TaoVA-100x

Start at: 2018-05-31 07:03:43
End at: 2018-05-31 07:04:13
Local clock offset: -0.247 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2018-05-31 10:20:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 227.57 Mbit/s
95th percentile per-packet one-way delay: 63.770 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 227.57 Mbit/s
95th percentile per-packet one-way delay: 63.770 ms
Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-05-31 07:23:45

End at: 2018-05-31 07:24:15

Local clock offset: -0.285 ms

Remote clock offset: 6.633 ms

Below is generated by plot.py at 2018-05-31 10:20:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.13 Mbit/s

95th percentile per-packet one-way delay: 73.634 ms

Loss rate: 0.00%

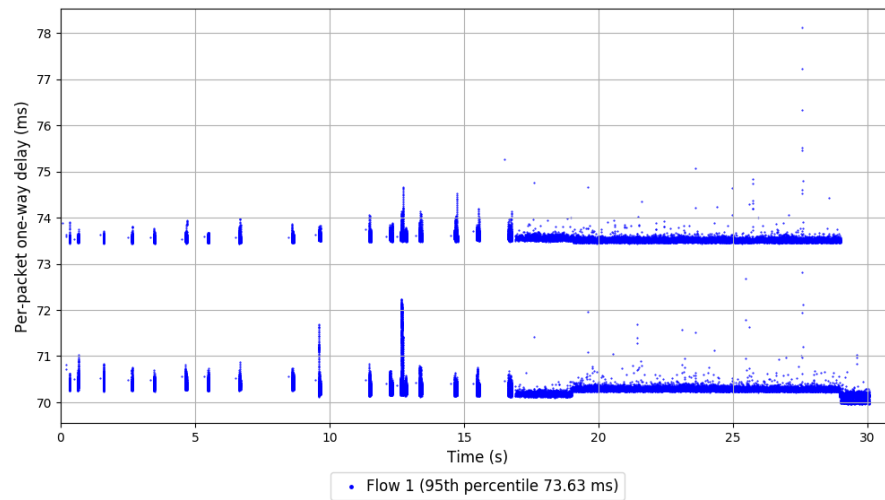
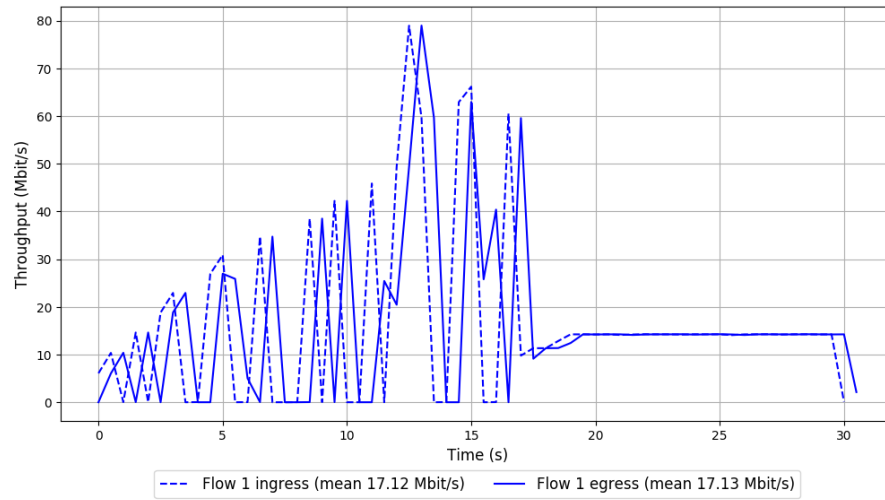
-- Flow 1:

Average throughput: 17.13 Mbit/s

95th percentile per-packet one-way delay: 73.634 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

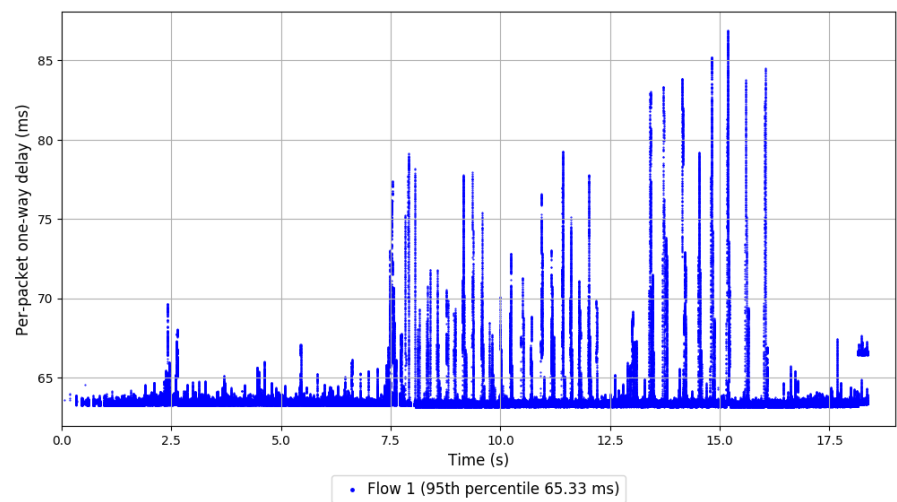
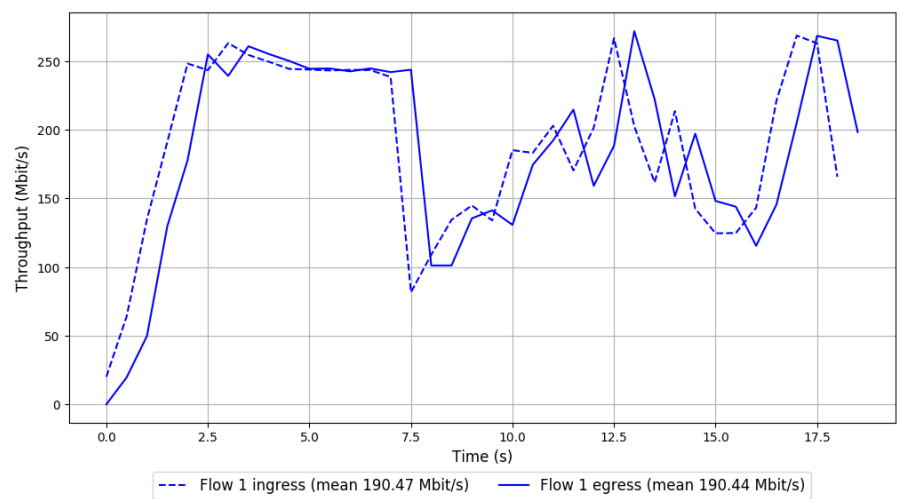
Start at: 2018-05-31 07:43:46

End at: 2018-05-31 07:44:16

Local clock offset: -0.384 ms

Remote clock offset: -0.171 ms

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-05-31 08:04:06

End at: 2018-05-31 08:04:36

Local clock offset: -0.166 ms

Remote clock offset: 0.224 ms

Below is generated by plot.py at 2018-05-31 10:20:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.30 Mbit/s

95th percentile per-packet one-way delay: 67.236 ms

Loss rate: 0.00%

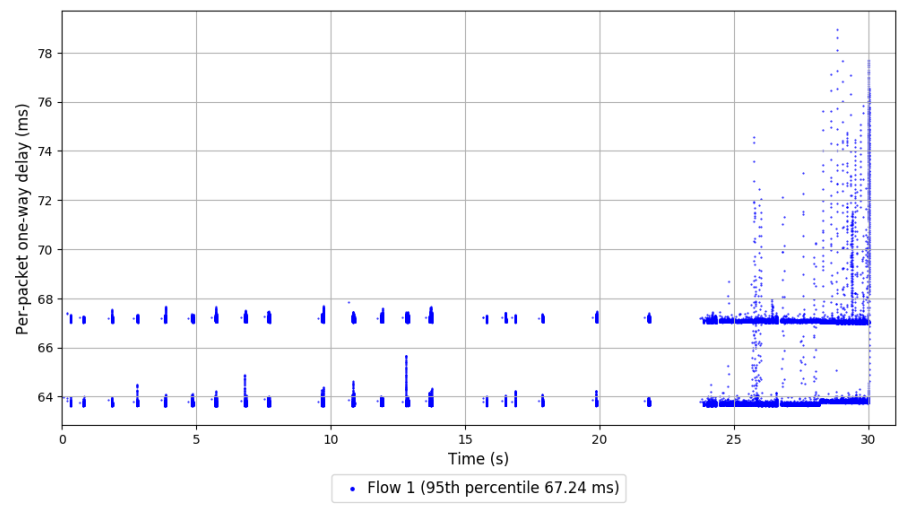
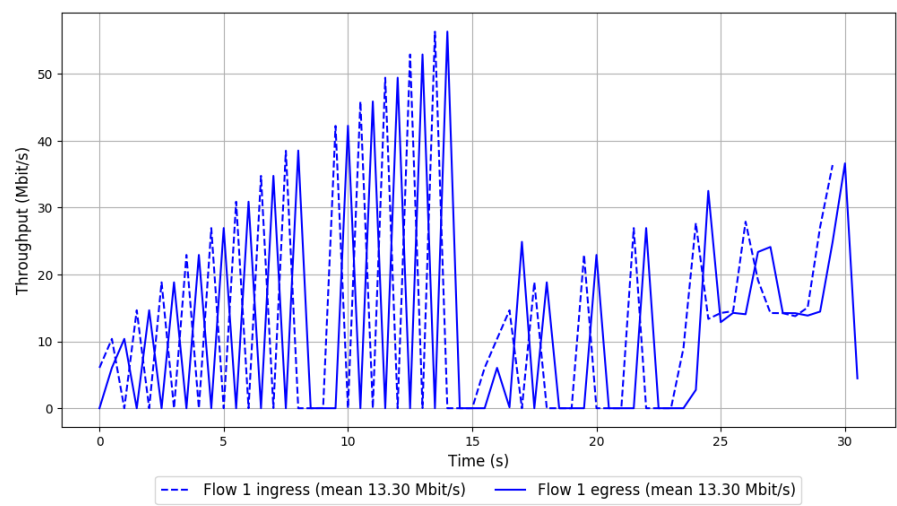
-- Flow 1:

Average throughput: 13.30 Mbit/s

95th percentile per-packet one-way delay: 67.236 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

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

End at: 2018-05-31 08:24:35

Local clock offset: 0.141 ms

Remote clock offset: -0.122 ms

Below is generated by plot.py at 2018-05-31 10:21:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 229.98 Mbit/s

95th percentile per-packet one-way delay: 63.663 ms

Loss rate: 0.00%

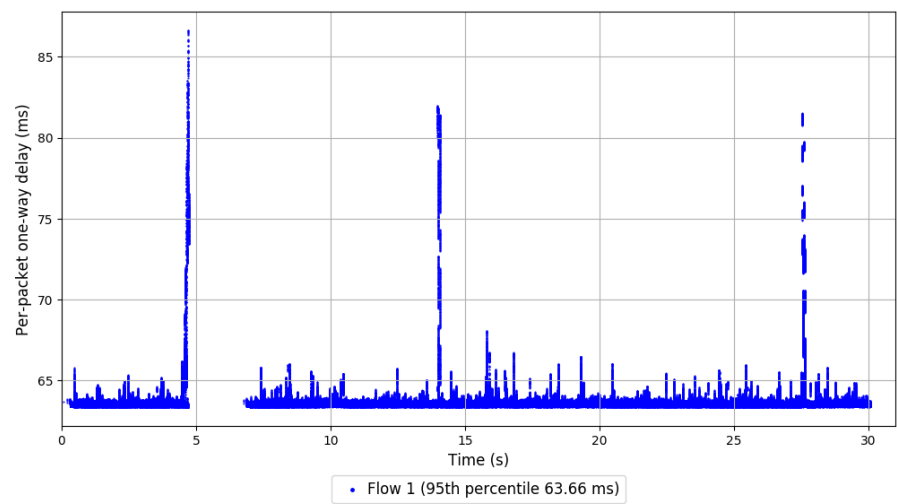
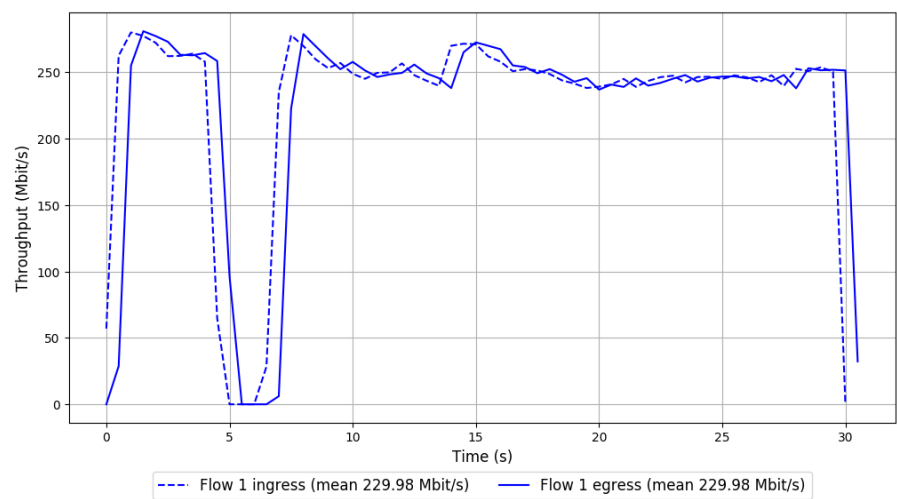
-- Flow 1:

Average throughput: 229.98 Mbit/s

95th percentile per-packet one-way delay: 63.663 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-05-31 08:44:20

End at: 2018-05-31 08:44:50

Local clock offset: 0.258 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-05-31 10:21:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 147.62 Mbit/s

95th percentile per-packet one-way delay: 63.552 ms

Loss rate: 0.00%

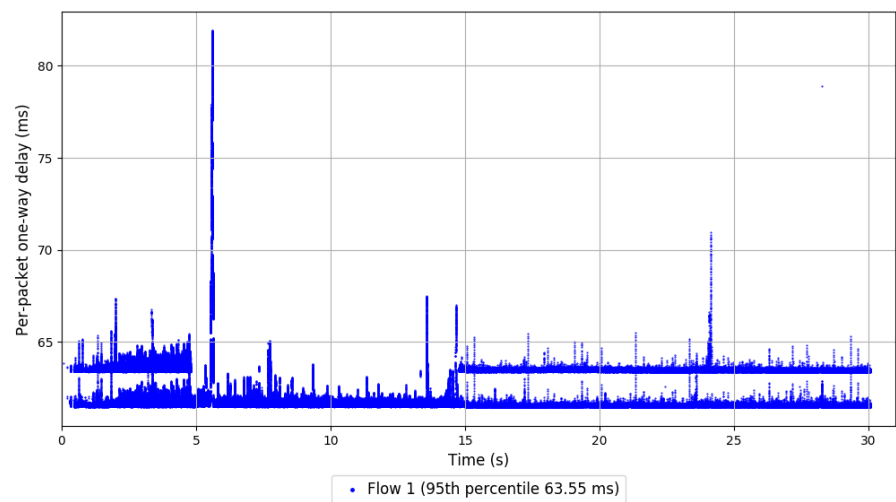
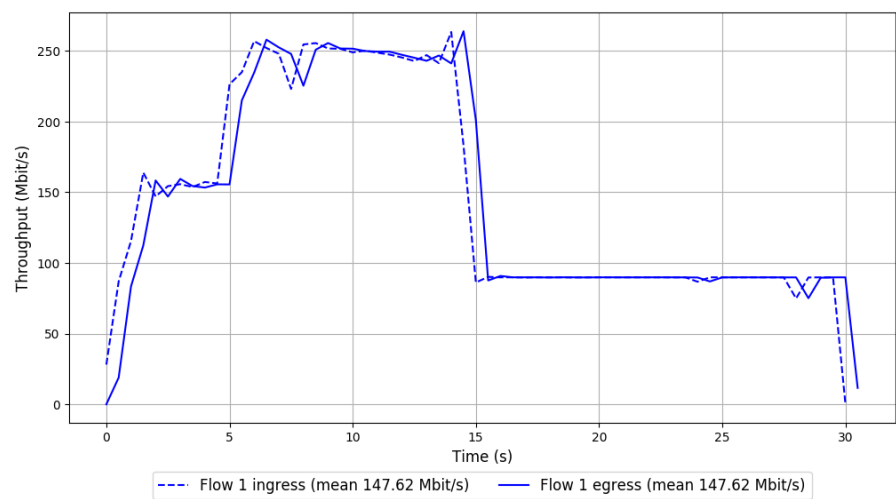
-- Flow 1:

Average throughput: 147.62 Mbit/s

95th percentile per-packet one-way delay: 63.552 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-05-31 09:04:25

End at: 2018-05-31 09:04:55

Local clock offset: 0.363 ms

Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-05-31 10:21:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 187.66 Mbit/s

95th percentile per-packet one-way delay: 63.333 ms

Loss rate: 0.00%

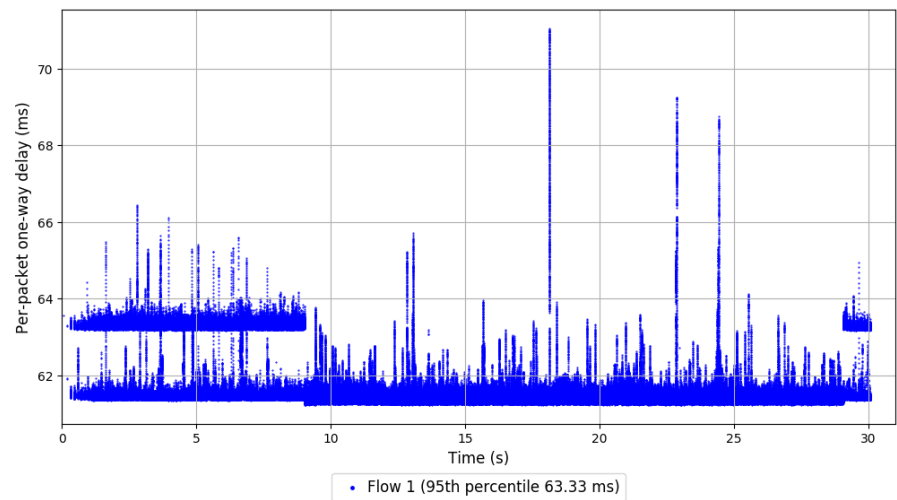
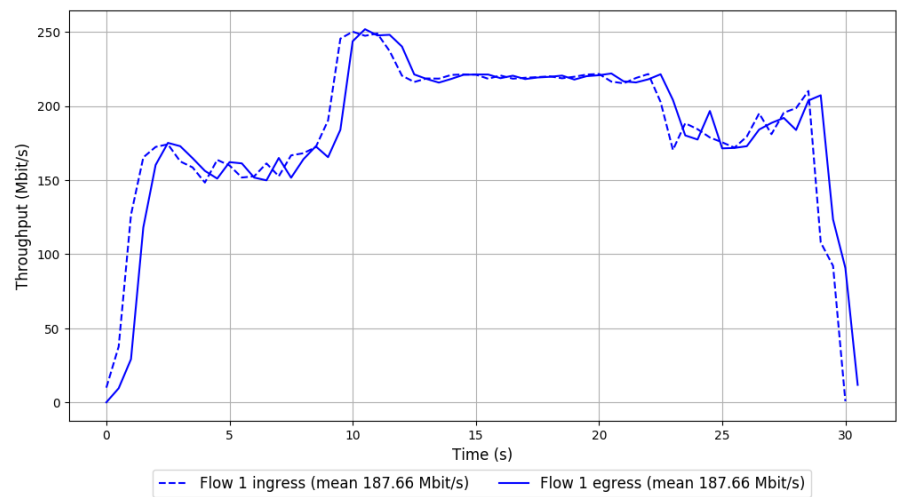
-- Flow 1:

Average throughput: 187.66 Mbit/s

95th percentile per-packet one-way delay: 63.333 ms

Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-05-31 05:50:37

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

Local clock offset: 0.54 ms

Remote clock offset: 6.511 ms

Below is generated by plot.py at 2018-05-31 10:21:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.86 Mbit/s

95th percentile per-packet one-way delay: 71.333 ms

Loss rate: 0.00%

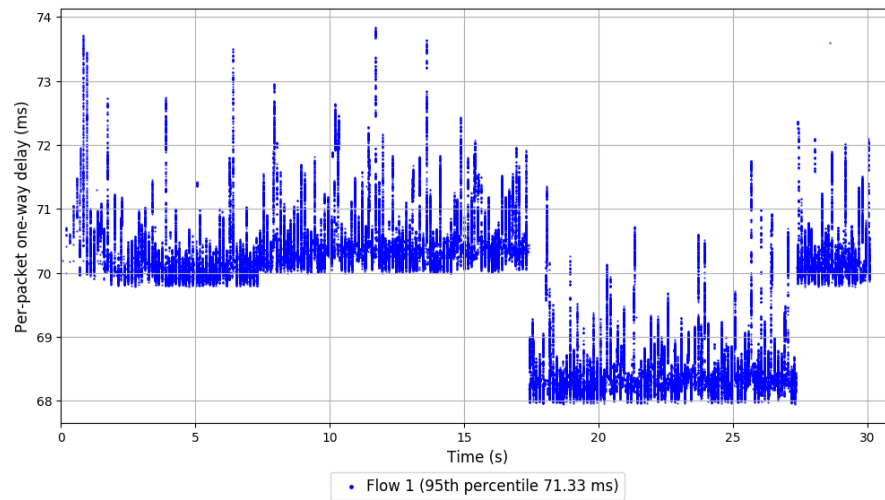
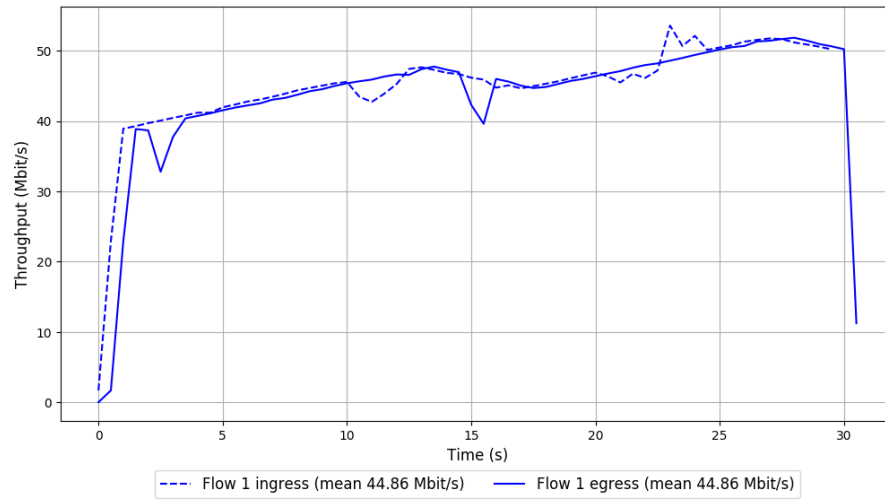
-- Flow 1:

Average throughput: 44.86 Mbit/s

95th percentile per-packet one-way delay: 71.333 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-05-31 06:10:58

End at: 2018-05-31 06:11:28

Local clock offset: 0.777 ms

Remote clock offset: 6.757 ms

Below is generated by plot.py at 2018-05-31 10:21:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 134.37 Mbit/s

95th percentile per-packet one-way delay: 79.344 ms

Loss rate: 0.00%

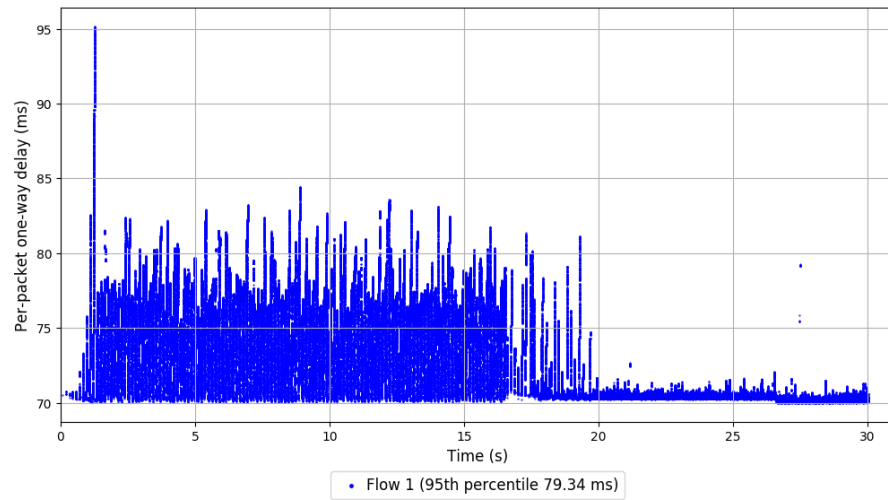
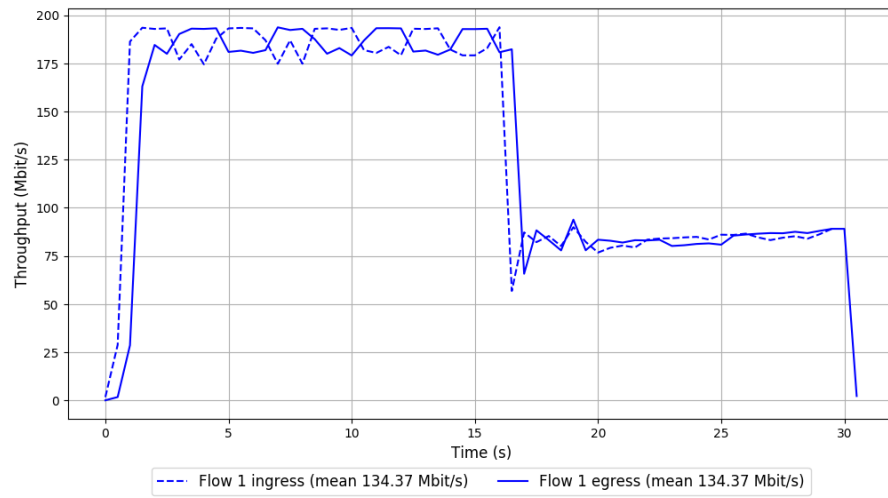
-- Flow 1:

Average throughput: 134.37 Mbit/s

95th percentile per-packet one-way delay: 79.344 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

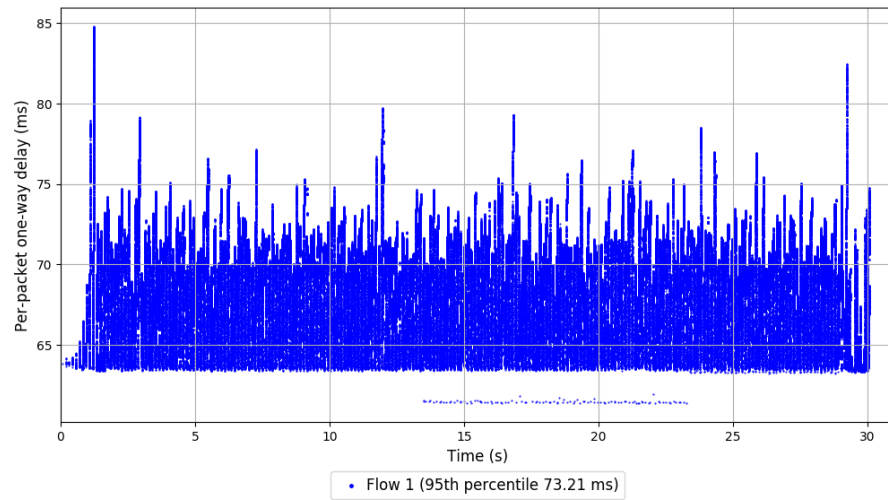
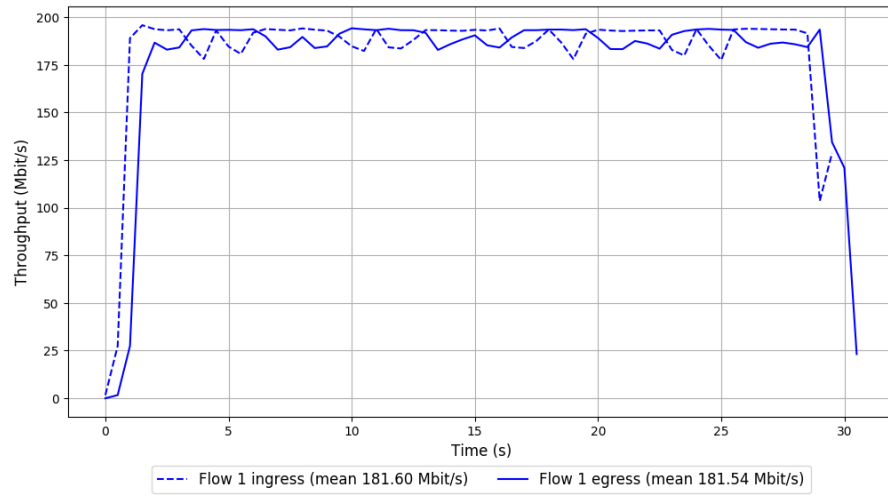


Run 3: Statistics of TCP Vegas

Start at: 2018-05-31 06:31:11
End at: 2018-05-31 06:31:41
Local clock offset: 0.011 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-05-31 10:21:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 181.54 Mbit/s
95th percentile per-packet one-way delay: 73.206 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 181.54 Mbit/s
95th percentile per-packet one-way delay: 73.206 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

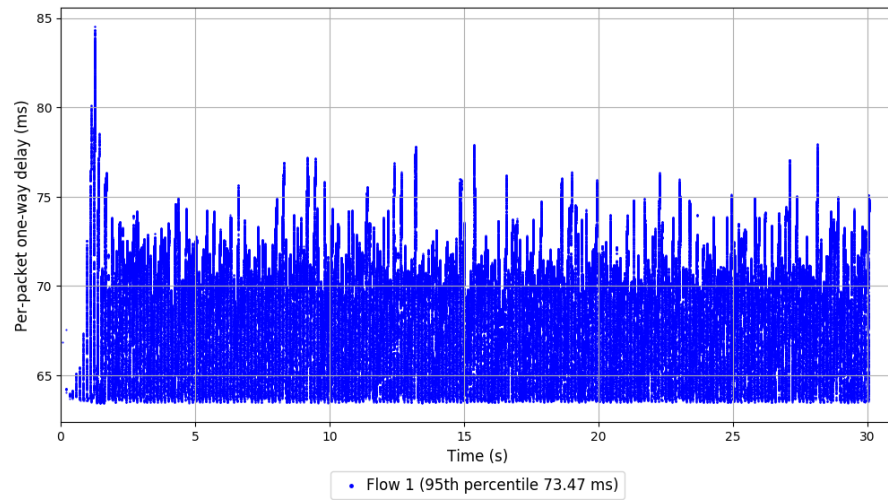
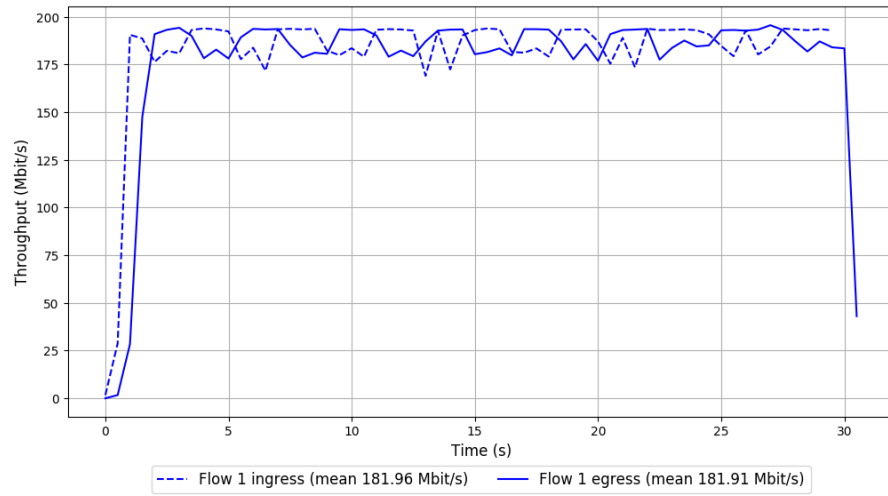


Run 4: Statistics of TCP Vegas

Start at: 2018-05-31 06:51:24
End at: 2018-05-31 06:51:54
Local clock offset: -0.161 ms
Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-05-31 10:22:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 181.91 Mbit/s
95th percentile per-packet one-way delay: 73.473 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 181.91 Mbit/s
95th percentile per-packet one-way delay: 73.473 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-05-31 07:11:29

End at: 2018-05-31 07:11:59

Local clock offset: -0.257 ms

Remote clock offset: 6.6 ms

Below is generated by plot.py at 2018-05-31 10:22:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.47 Mbit/s

95th percentile per-packet one-way delay: 71.766 ms

Loss rate: 0.00%

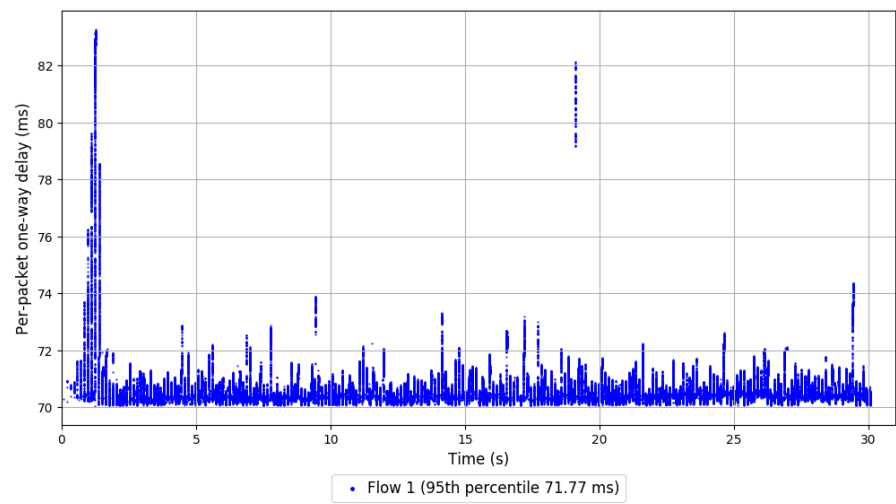
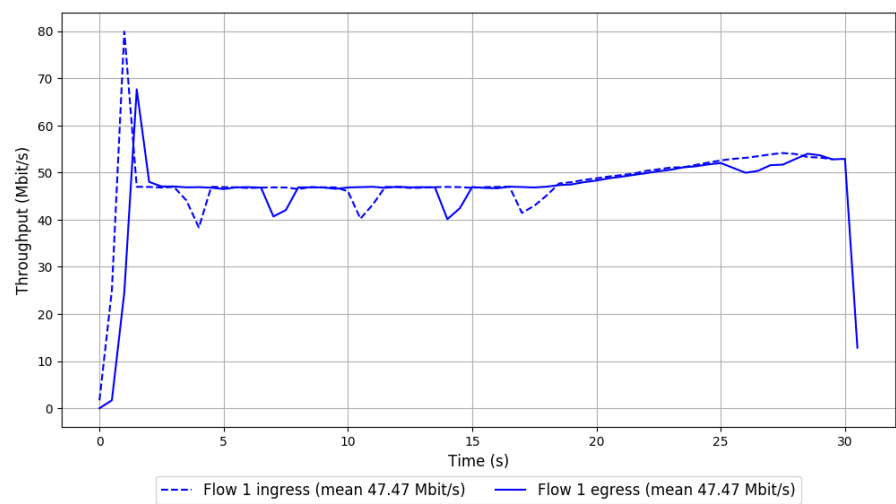
-- Flow 1:

Average throughput: 47.47 Mbit/s

95th percentile per-packet one-way delay: 71.766 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-05-31 07:31:22

End at: 2018-05-31 07:31:52

Local clock offset: -0.38 ms

Remote clock offset: 6.344 ms

Below is generated by plot.py at 2018-05-31 10:22:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 175.67 Mbit/s

95th percentile per-packet one-way delay: 80.044 ms

Loss rate: 0.00%

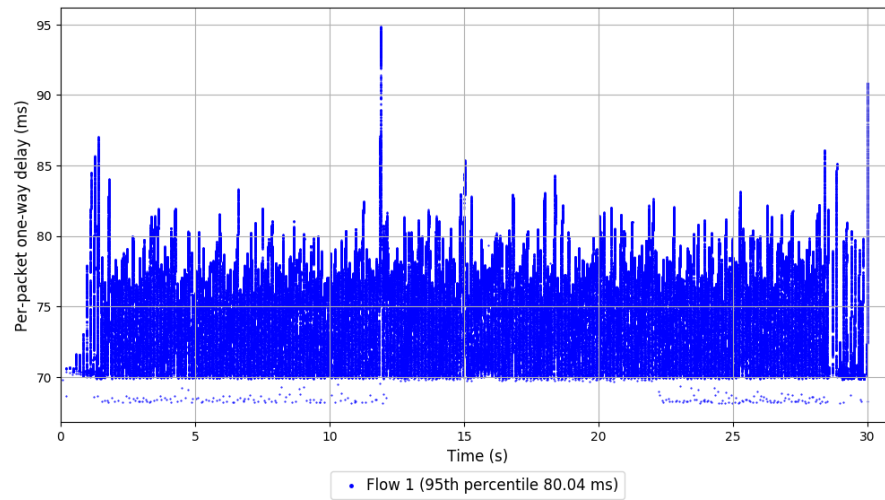
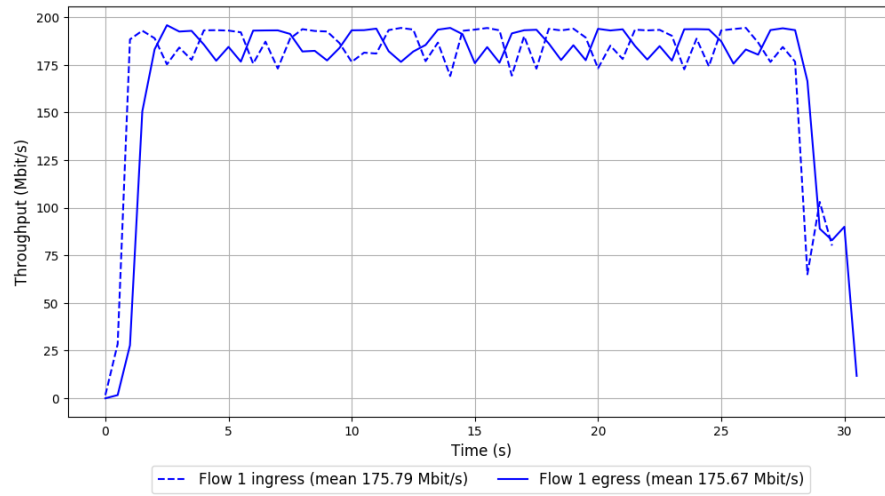
-- Flow 1:

Average throughput: 175.67 Mbit/s

95th percentile per-packet one-way delay: 80.044 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-05-31 07:51:43

End at: 2018-05-31 07:52:13

Local clock offset: -0.455 ms

Remote clock offset: 6.276 ms

Below is generated by plot.py at 2018-05-31 10:22:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.03 Mbit/s

95th percentile per-packet one-way delay: 80.827 ms

Loss rate: 0.00%

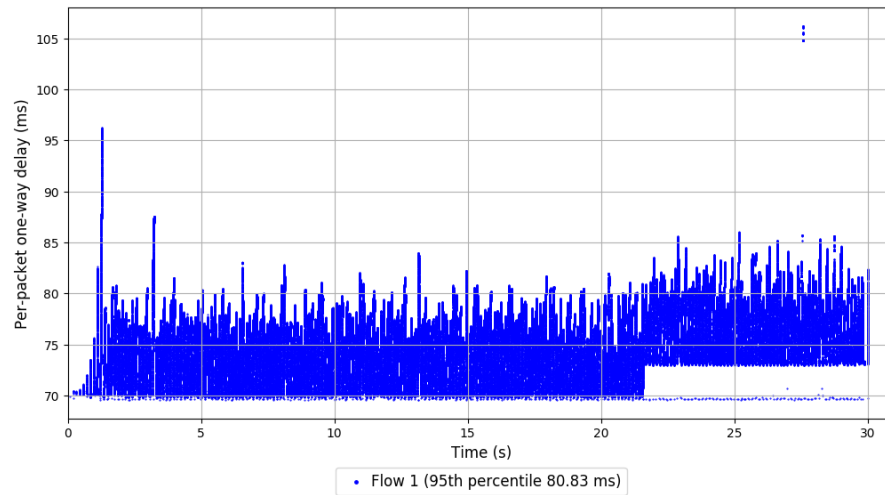
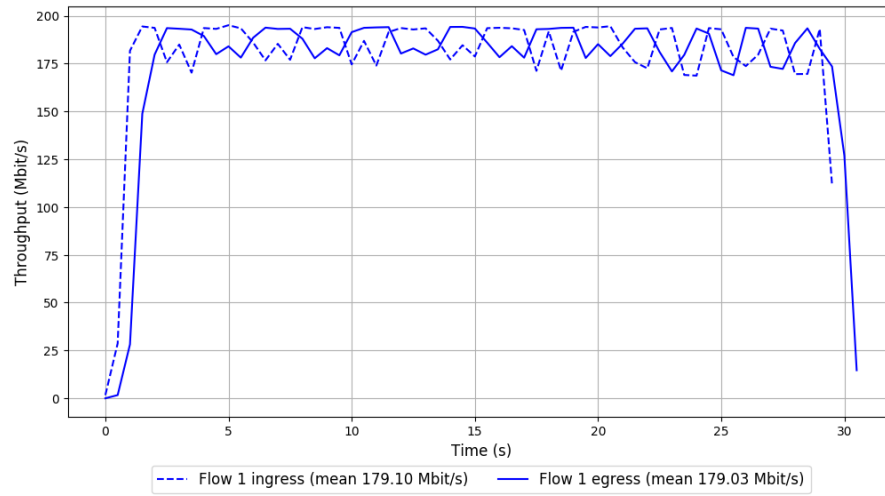
-- Flow 1:

Average throughput: 179.03 Mbit/s

95th percentile per-packet one-way delay: 80.827 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

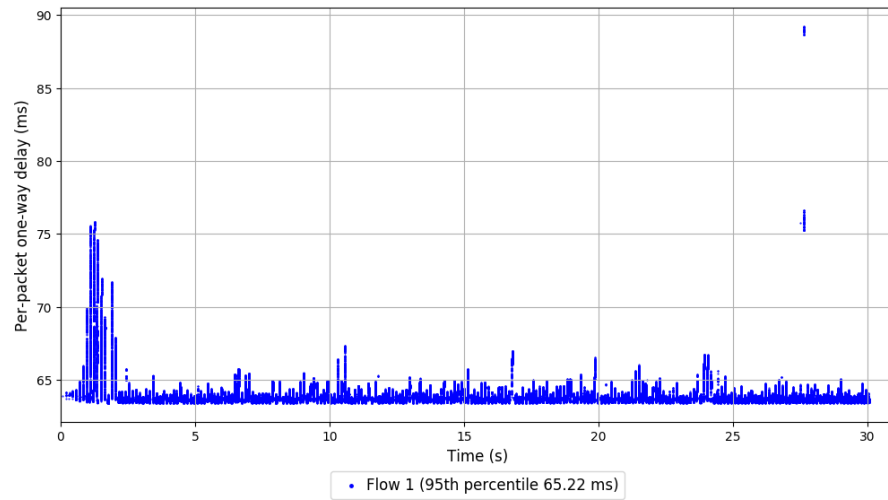
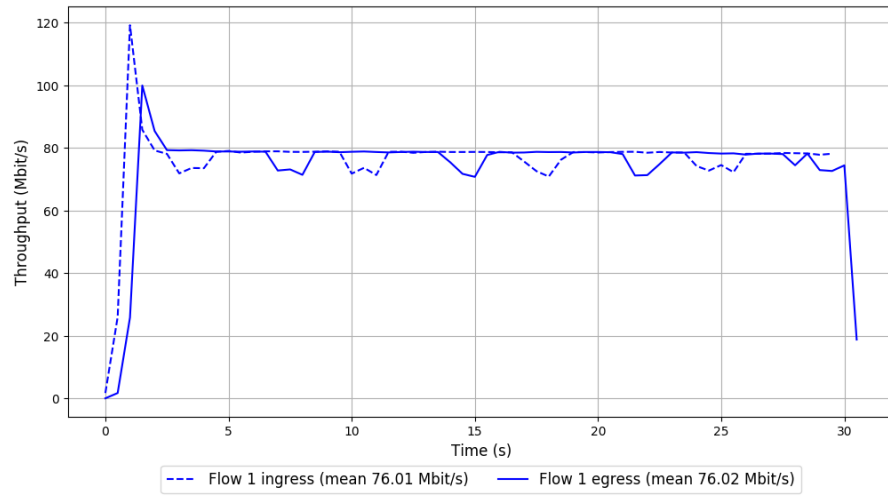


Run 8: Statistics of TCP Vegas

Start at: 2018-05-31 08:11:47
End at: 2018-05-31 08:12:17
Local clock offset: -0.0 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-05-31 10:22:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.02 Mbit/s
95th percentile per-packet one-way delay: 65.216 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.02 Mbit/s
95th percentile per-packet one-way delay: 65.216 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

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

End at: 2018-05-31 08:32:28

Local clock offset: 0.18 ms

Remote clock offset: 6.633 ms

Below is generated by plot.py at 2018-05-31 10:23:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 175.81 Mbit/s

95th percentile per-packet one-way delay: 78.171 ms

Loss rate: 0.00%

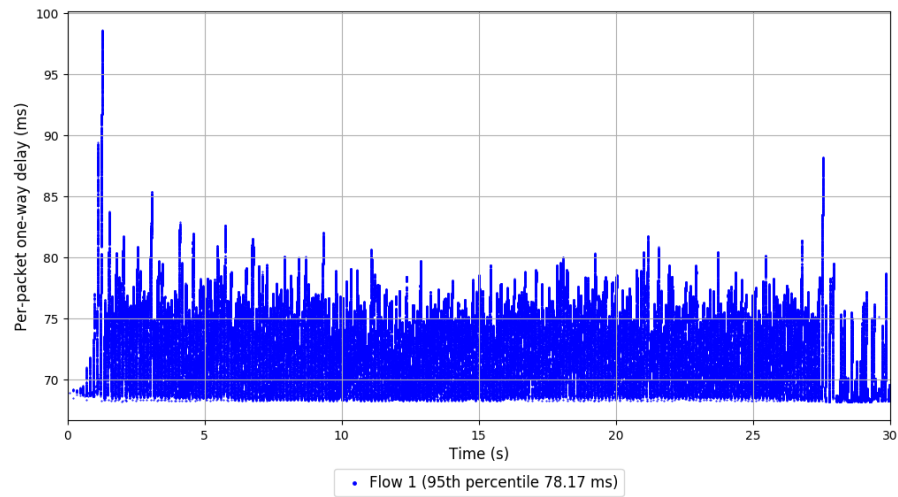
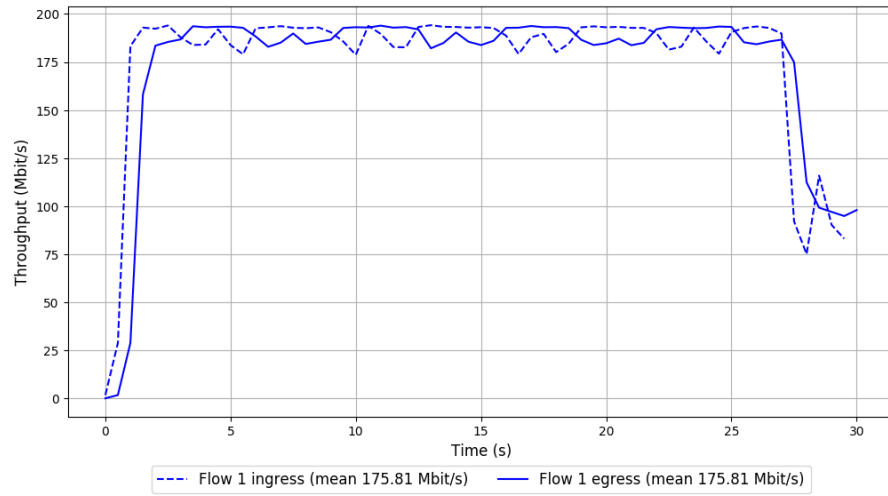
-- Flow 1:

Average throughput: 175.81 Mbit/s

95th percentile per-packet one-way delay: 78.171 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-05-31 08:52:08

End at: 2018-05-31 08:52:38

Local clock offset: 0.306 ms

Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-05-31 10:23:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.55 Mbit/s

95th percentile per-packet one-way delay: 62.811 ms

Loss rate: 0.00%

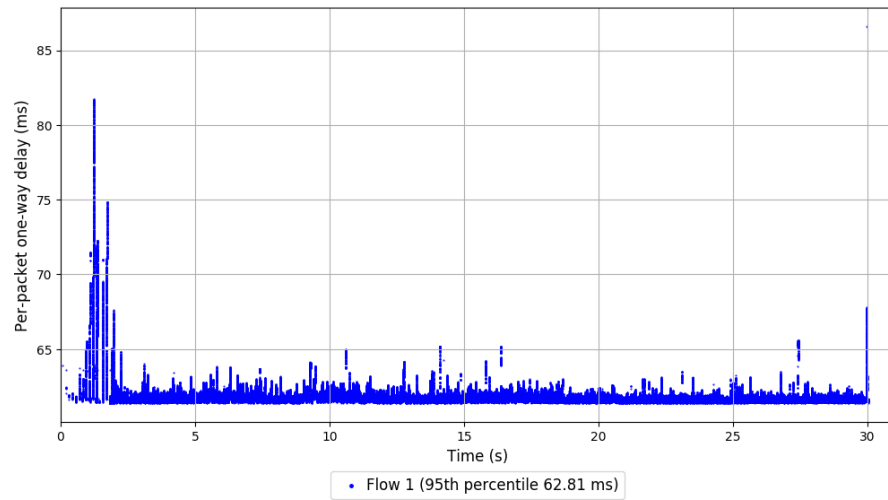
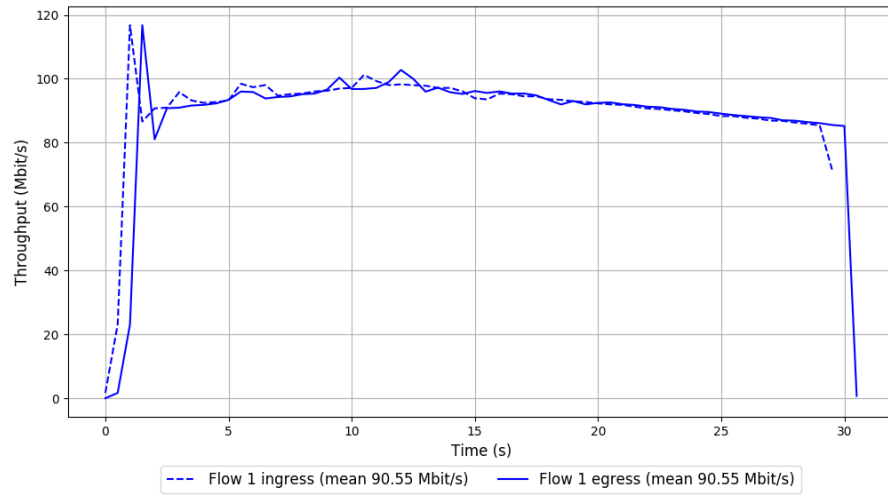
-- Flow 1:

Average throughput: 90.55 Mbit/s

95th percentile per-packet one-way delay: 62.811 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-05-31 05:54:35

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

Local clock offset: 0.582 ms

Remote clock offset: 6.563 ms

Below is generated by plot.py at 2018-05-31 10:24:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 228.75 Mbit/s

95th percentile per-packet one-way delay: 107.729 ms

Loss rate: 0.00%

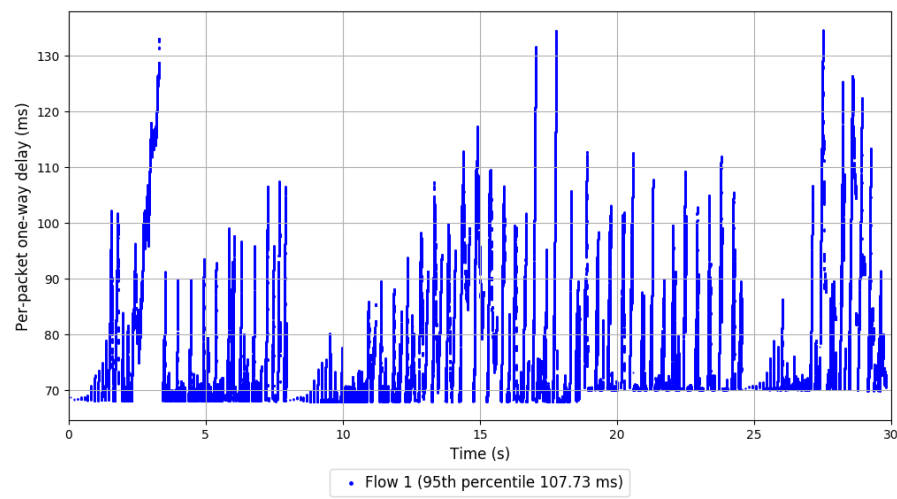
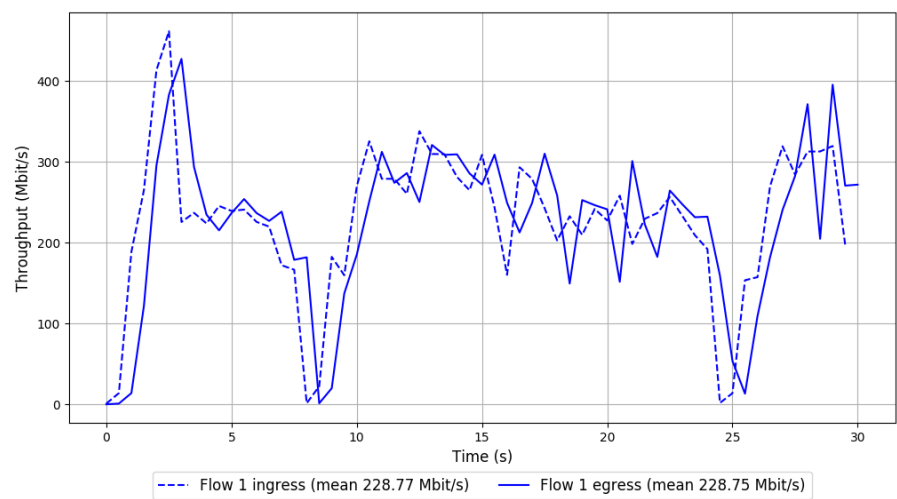
-- Flow 1:

Average throughput: 228.75 Mbit/s

95th percentile per-packet one-way delay: 107.729 ms

Loss rate: 0.00%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-05-31 06:14:55

End at: 2018-05-31 06:15:25

Local clock offset: 0.583 ms

Remote clock offset: 6.519 ms

Below is generated by plot.py at 2018-05-31 10:24:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.49 Mbit/s

95th percentile per-packet one-way delay: 109.093 ms

Loss rate: 0.00%

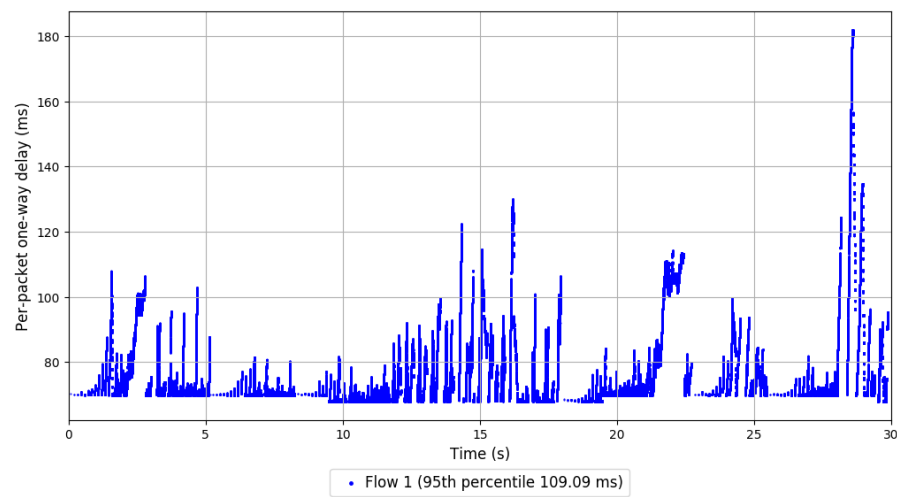
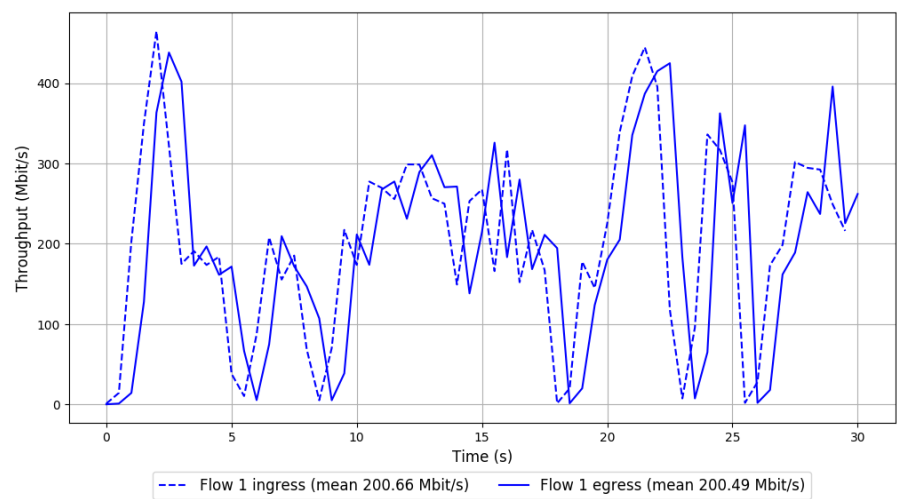
-- Flow 1:

Average throughput: 200.49 Mbit/s

95th percentile per-packet one-way delay: 109.093 ms

Loss rate: 0.00%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

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

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

Local clock offset: -0.028 ms

Remote clock offset: 6.558 ms

Below is generated by plot.py at 2018-05-31 10:25:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 248.36 Mbit/s

95th percentile per-packet one-way delay: 158.111 ms

Loss rate: 0.02%

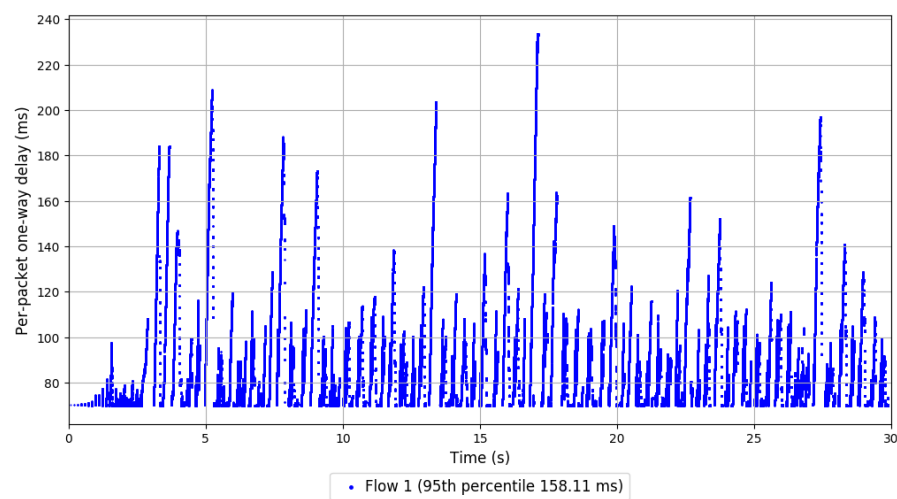
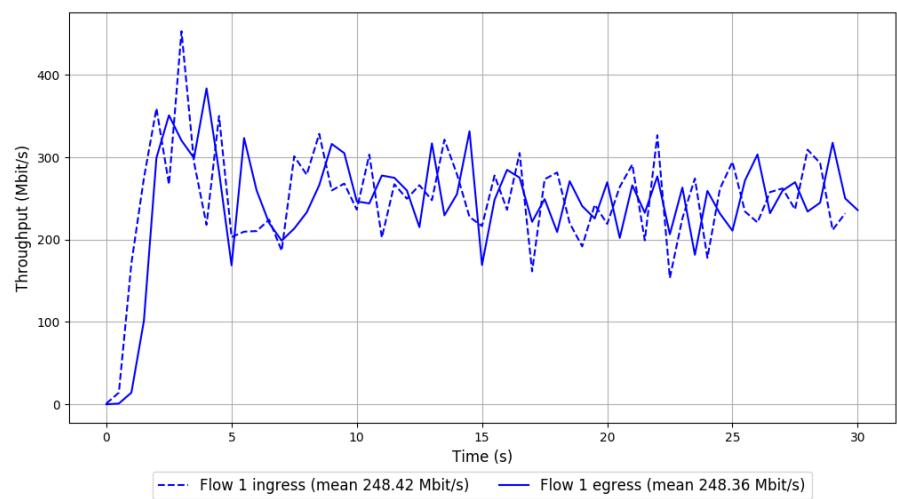
-- Flow 1:

Average throughput: 248.36 Mbit/s

95th percentile per-packet one-way delay: 158.111 ms

Loss rate: 0.02%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-05-31 06:55:24

End at: 2018-05-31 06:55:54

Local clock offset: -0.202 ms

Remote clock offset: 6.6 ms

Below is generated by plot.py at 2018-05-31 10:26:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 241.04 Mbit/s

95th percentile per-packet one-way delay: 117.045 ms

Loss rate: 0.00%

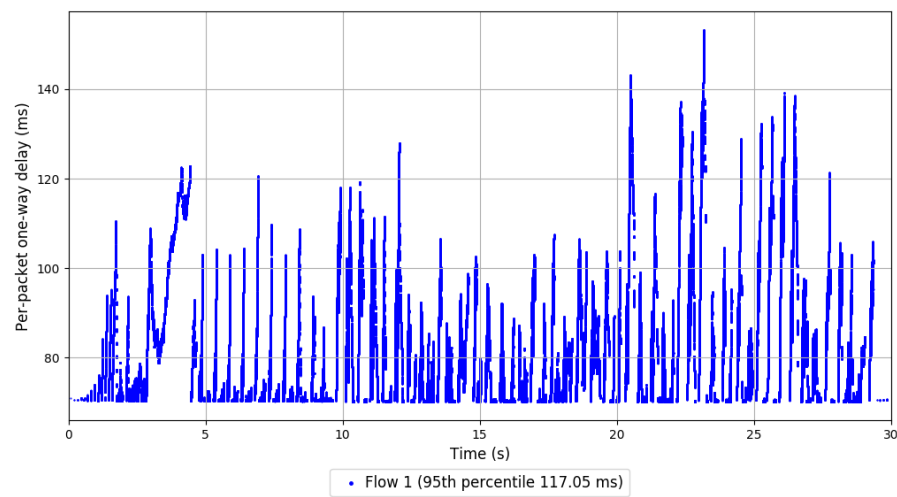
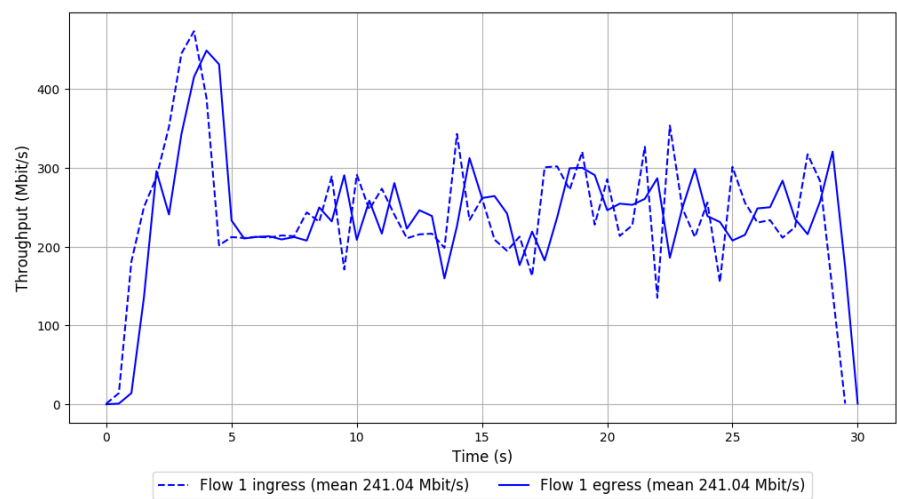
-- Flow 1:

Average throughput: 241.04 Mbit/s

95th percentile per-packet one-way delay: 117.045 ms

Loss rate: 0.00%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-05-31 07:15:27

End at: 2018-05-31 07:15:57

Local clock offset: -0.306 ms

Remote clock offset: 6.081 ms

Below is generated by plot.py at 2018-05-31 10:26:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 251.10 Mbit/s

95th percentile per-packet one-way delay: 168.755 ms

Loss rate: 0.43%

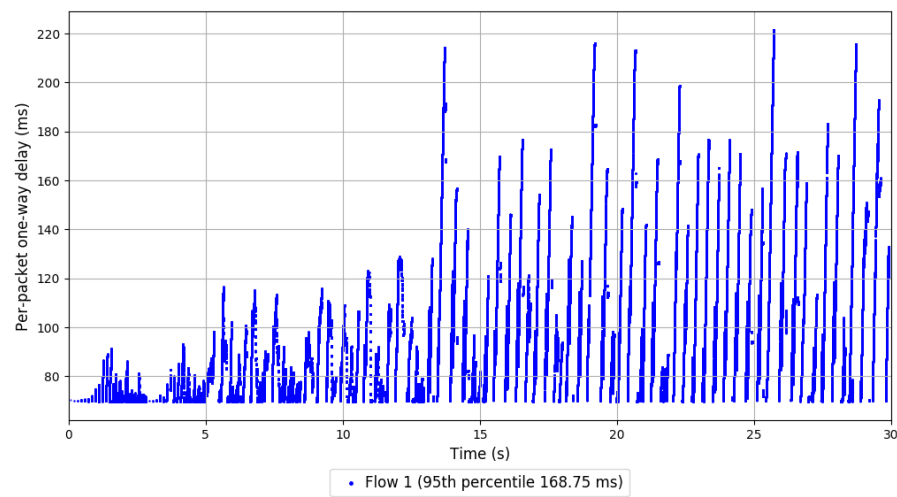
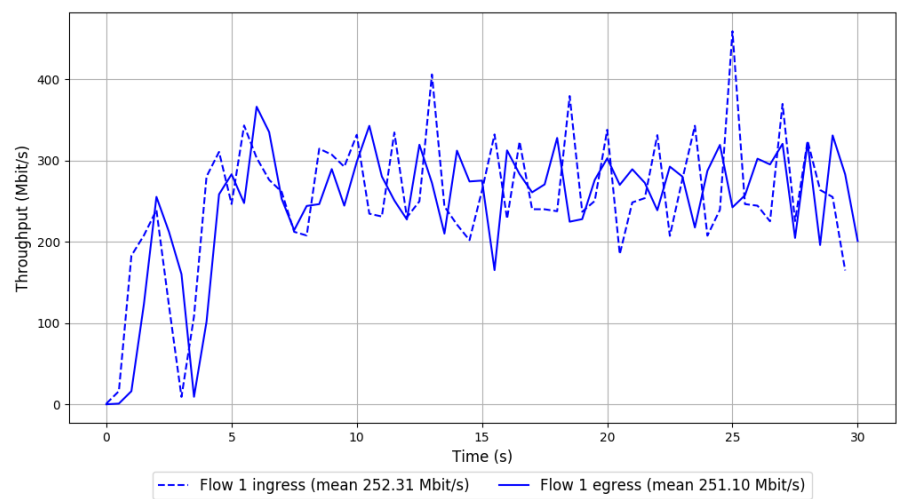
-- Flow 1:

Average throughput: 251.10 Mbit/s

95th percentile per-packet one-way delay: 168.755 ms

Loss rate: 0.43%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-05-31 07:35:26

End at: 2018-05-31 07:35:56

Local clock offset: -0.378 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-05-31 10:26:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 241.29 Mbit/s

95th percentile per-packet one-way delay: 107.373 ms

Loss rate: 0.12%

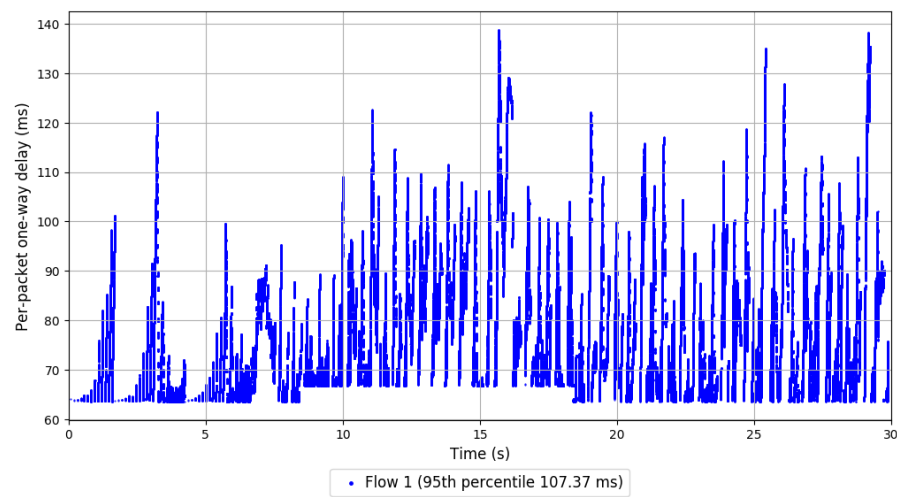
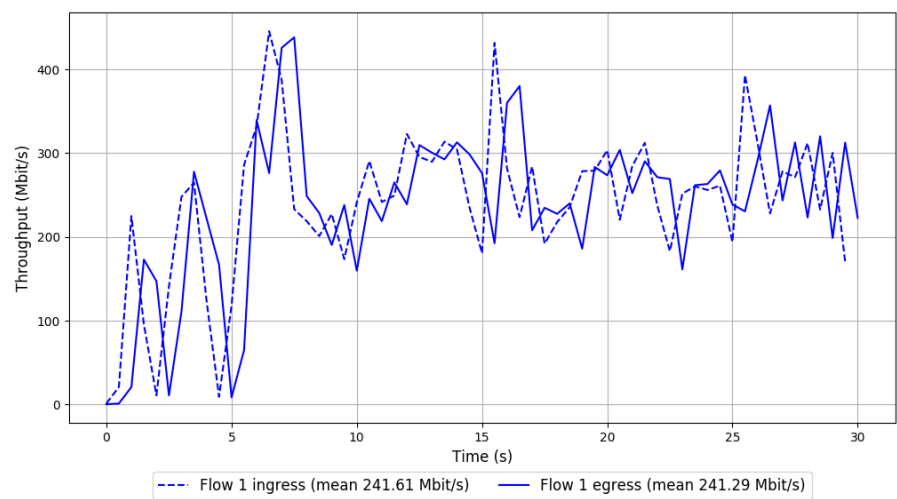
-- Flow 1:

Average throughput: 241.29 Mbit/s

95th percentile per-packet one-way delay: 107.373 ms

Loss rate: 0.12%

Run 6: Report of Verus — Data Link

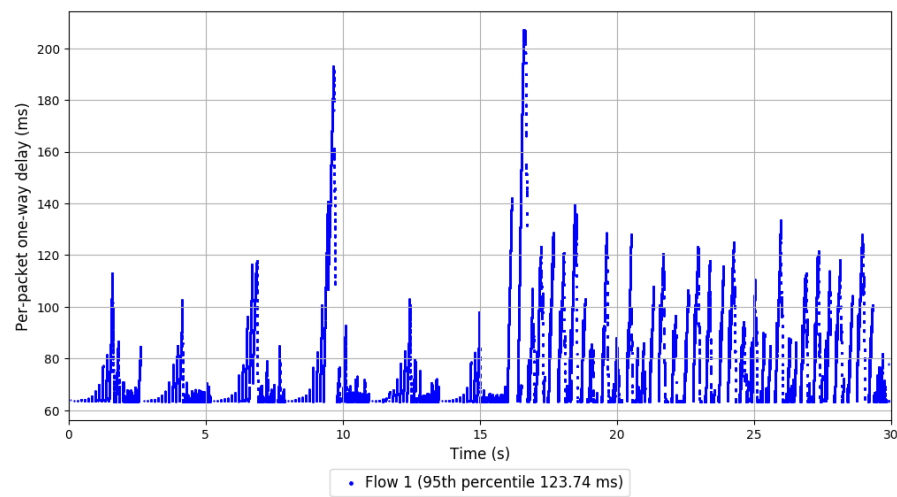
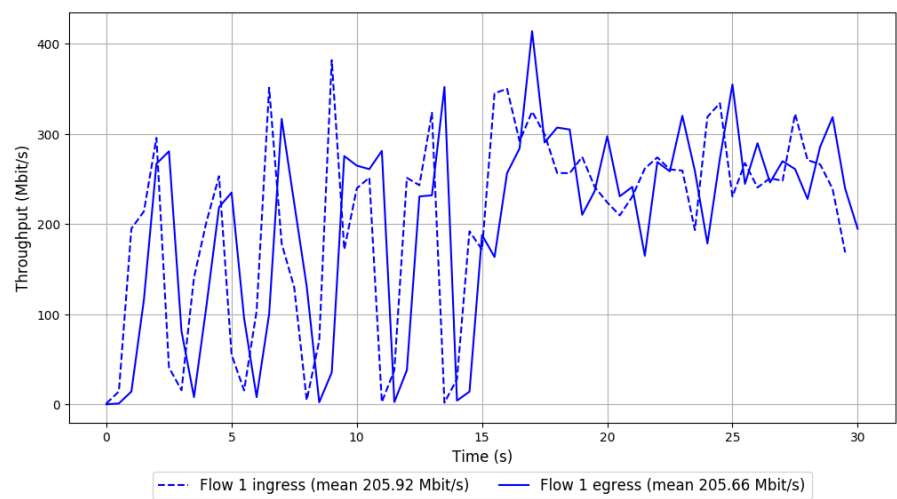


Run 7: Statistics of Verus

Start at: 2018-05-31 07:55:46
End at: 2018-05-31 07:56:16
Local clock offset: -0.462 ms
Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-05-31 10:26:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.66 Mbit/s
95th percentile per-packet one-way delay: 123.741 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 205.66 Mbit/s
95th percentile per-packet one-way delay: 123.741 ms
Loss rate: 0.08%

Run 7: Report of Verus — Data Link

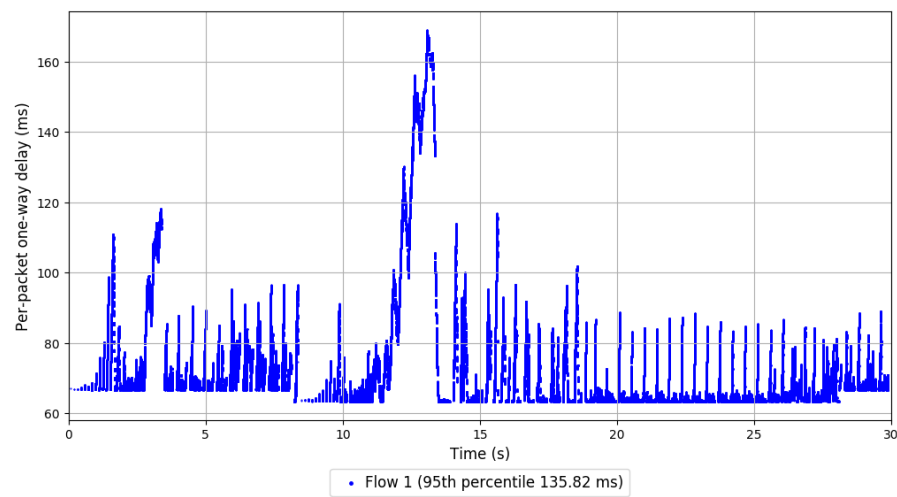
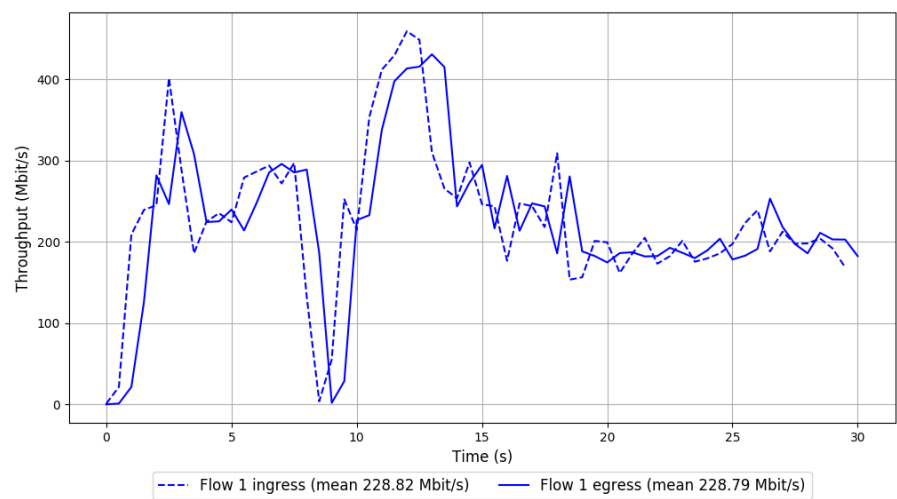


Run 8: Statistics of Verus

Start at: 2018-05-31 08:15:46
End at: 2018-05-31 08:16:16
Local clock offset: 0.105 ms
Remote clock offset: -0.166 ms

Below is generated by plot.py at 2018-05-31 10:27:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 228.79 Mbit/s
95th percentile per-packet one-way delay: 135.816 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 228.79 Mbit/s
95th percentile per-packet one-way delay: 135.816 ms
Loss rate: 0.00%

Run 8: Report of Verus — Data Link

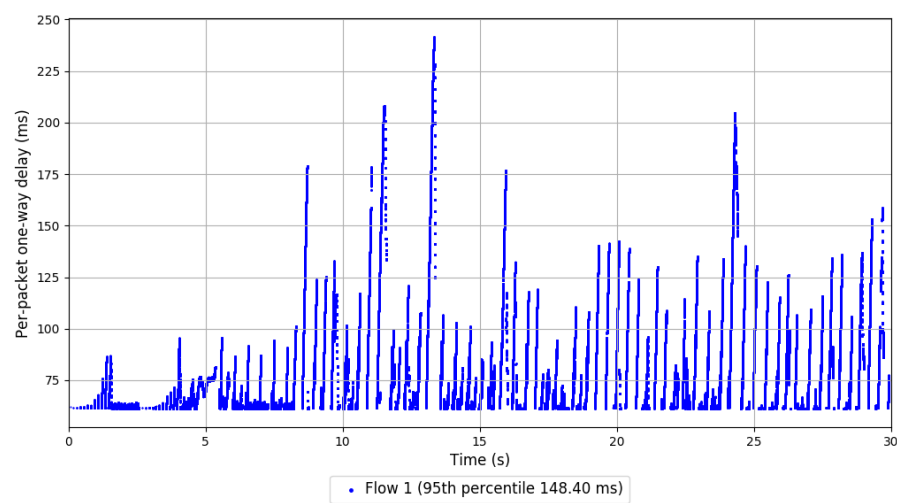
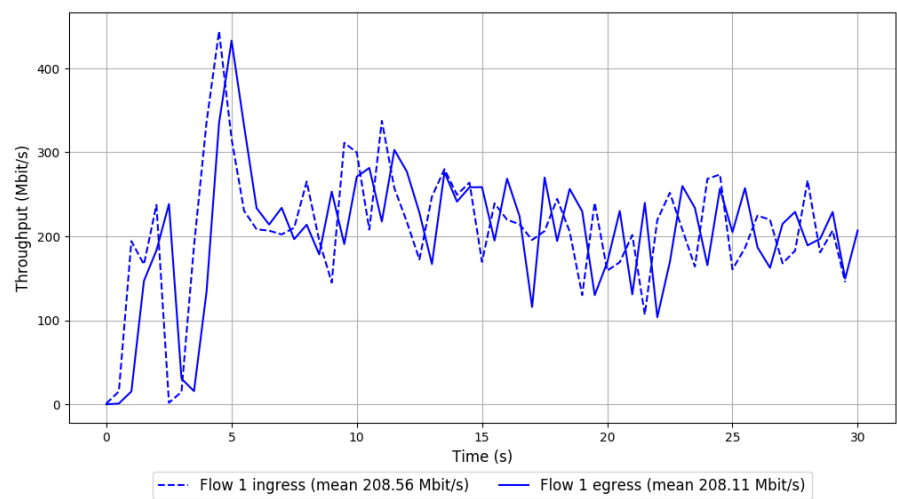


Run 9: Statistics of Verus

Start at: 2018-05-31 08:36:02
End at: 2018-05-31 08:36:32
Local clock offset: 0.215 ms
Remote clock offset: -0.336 ms

Below is generated by plot.py at 2018-05-31 10:28:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 208.11 Mbit/s
95th percentile per-packet one-way delay: 148.397 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 208.11 Mbit/s
95th percentile per-packet one-way delay: 148.397 ms
Loss rate: 0.18%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-05-31 08:56:09

End at: 2018-05-31 08:56:39

Local clock offset: 0.304 ms

Remote clock offset: 6.598 ms

Below is generated by plot.py at 2018-05-31 10:28:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.52 Mbit/s

95th percentile per-packet one-way delay: 91.891 ms

Loss rate: 0.00%

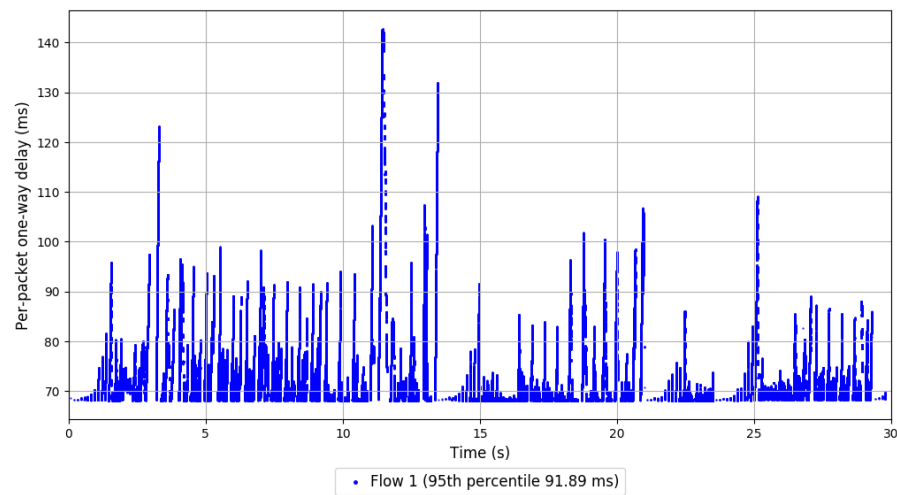
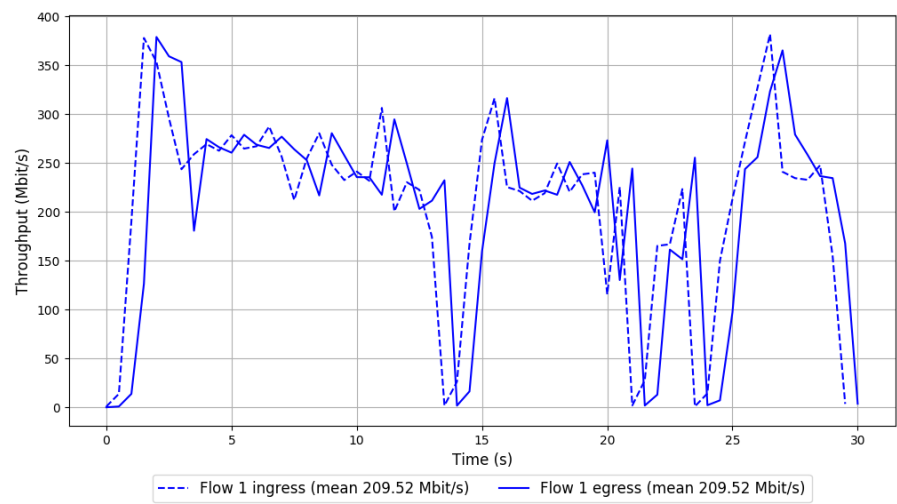
-- Flow 1:

Average throughput: 209.52 Mbit/s

95th percentile per-packet one-way delay: 91.891 ms

Loss rate: 0.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-05-31 05:51:45

End at: 2018-05-31 05:52:15

Local clock offset: 0.575 ms

Remote clock offset: 6.59 ms

Below is generated by plot.py at 2018-05-31 10:32:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 377.24 Mbit/s

95th percentile per-packet one-way delay: 90.225 ms

Loss rate: 0.00%

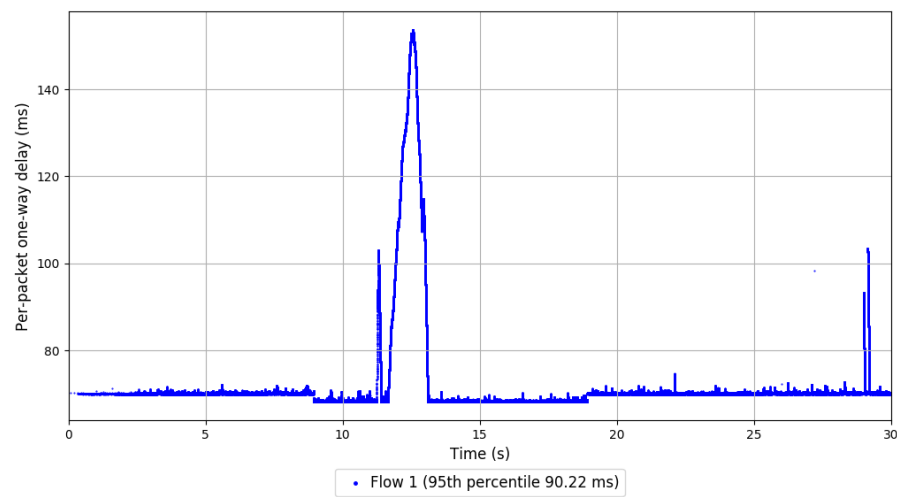
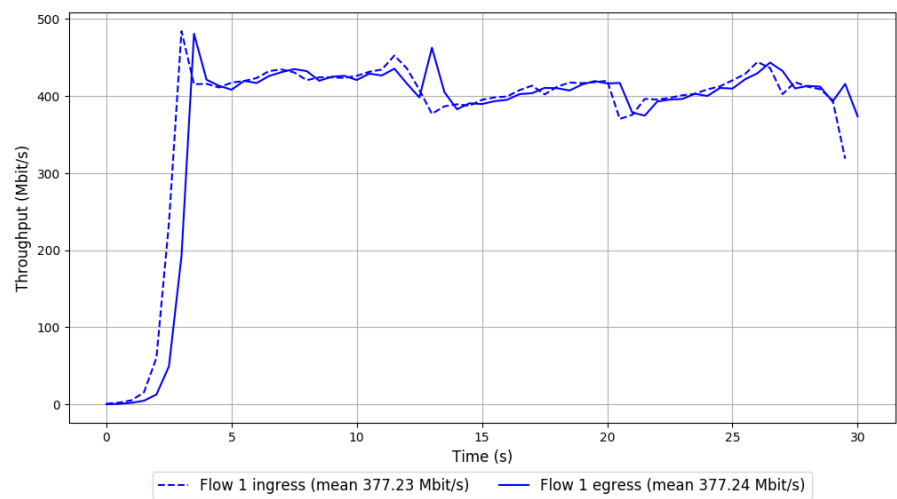
-- Flow 1:

Average throughput: 377.24 Mbit/s

95th percentile per-packet one-way delay: 90.225 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-05-31 06:12:10

End at: 2018-05-31 06:12:40

Local clock offset: 0.825 ms

Remote clock offset: 6.512 ms

Below is generated by plot.py at 2018-05-31 10:32:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 286.04 Mbit/s

95th percentile per-packet one-way delay: 71.667 ms

Loss rate: 0.00%

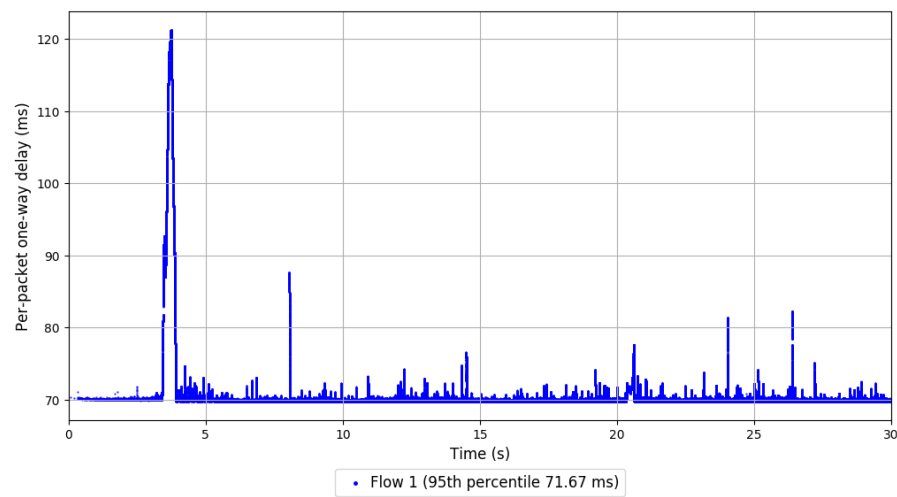
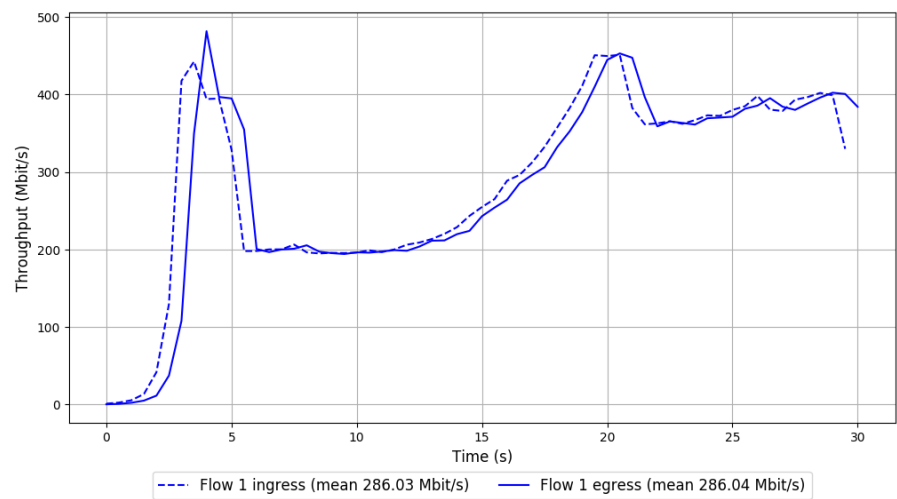
-- Flow 1:

Average throughput: 286.04 Mbit/s

95th percentile per-packet one-way delay: 71.667 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-05-31 06:32:26

End at: 2018-05-31 06:32:56

Local clock offset: 0.015 ms

Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-05-31 10:33:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 374.86 Mbit/s

95th percentile per-packet one-way delay: 63.555 ms

Loss rate: 0.00%

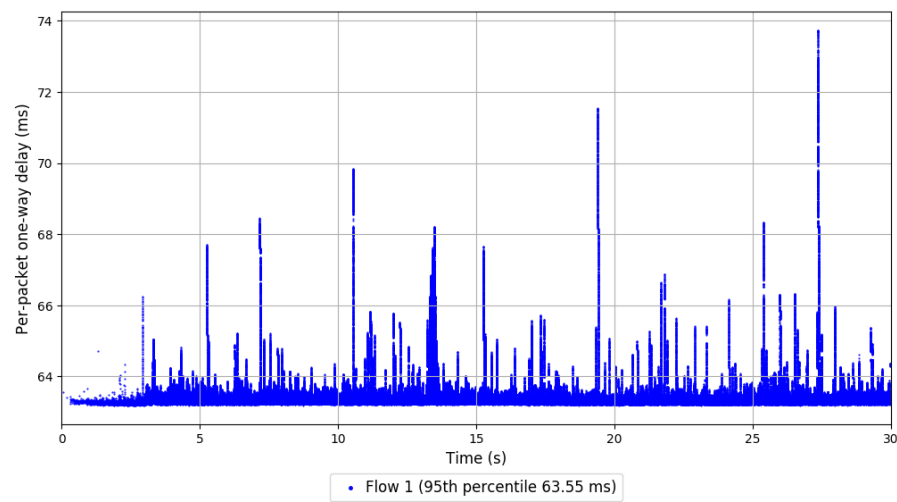
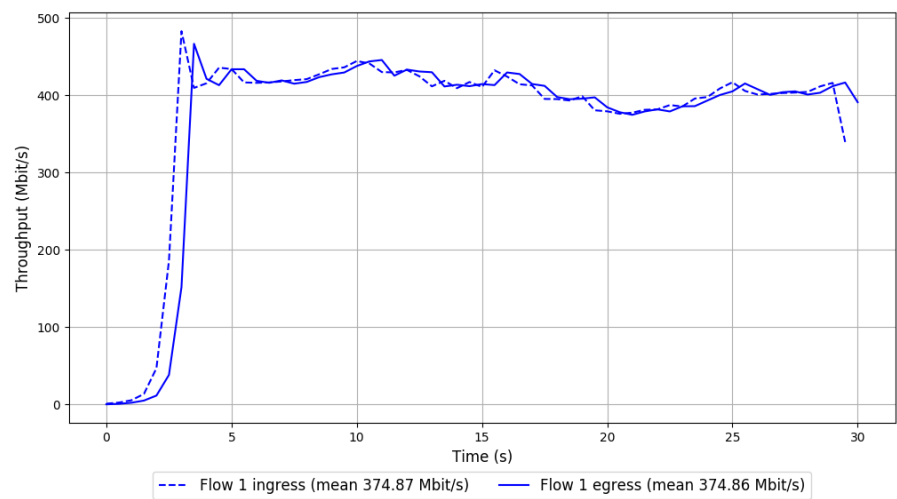
-- Flow 1:

Average throughput: 374.86 Mbit/s

95th percentile per-packet one-way delay: 63.555 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

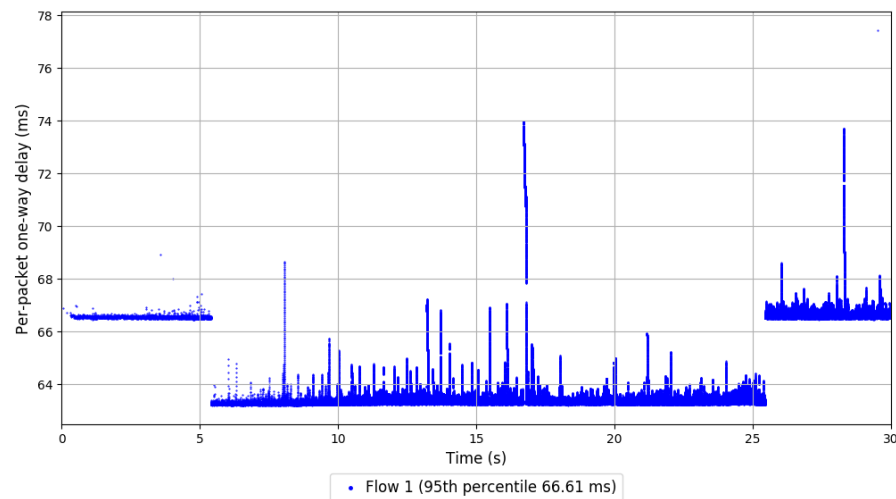
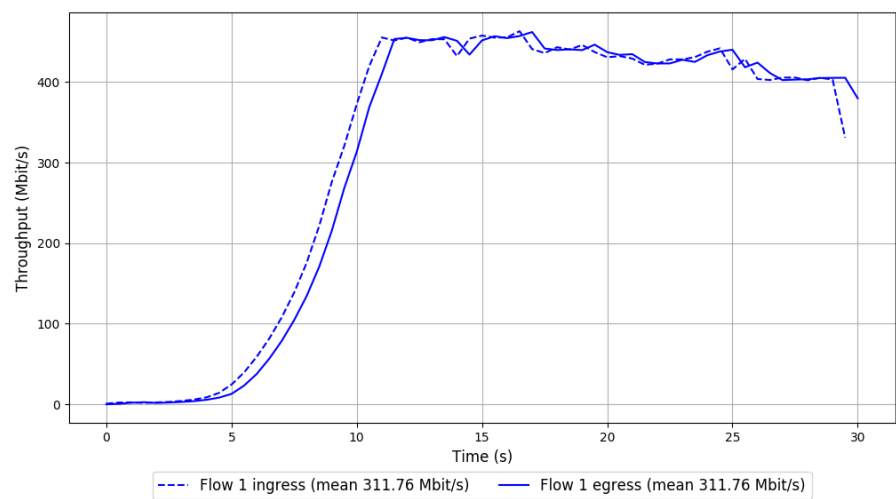


Run 4: Statistics of PCC-Vivace

Start at: 2018-05-31 06:52:39
End at: 2018-05-31 06:53:09
Local clock offset: -0.168 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-05-31 10:33:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 311.76 Mbit/s
95th percentile per-packet one-way delay: 66.607 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 311.76 Mbit/s
95th percentile per-packet one-way delay: 66.607 ms
Loss rate: 0.01%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-05-31 07:12:38

End at: 2018-05-31 07:13:08

Local clock offset: -0.273 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-05-31 10:33:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 366.00 Mbit/s

95th percentile per-packet one-way delay: 66.793 ms

Loss rate: 0.01%

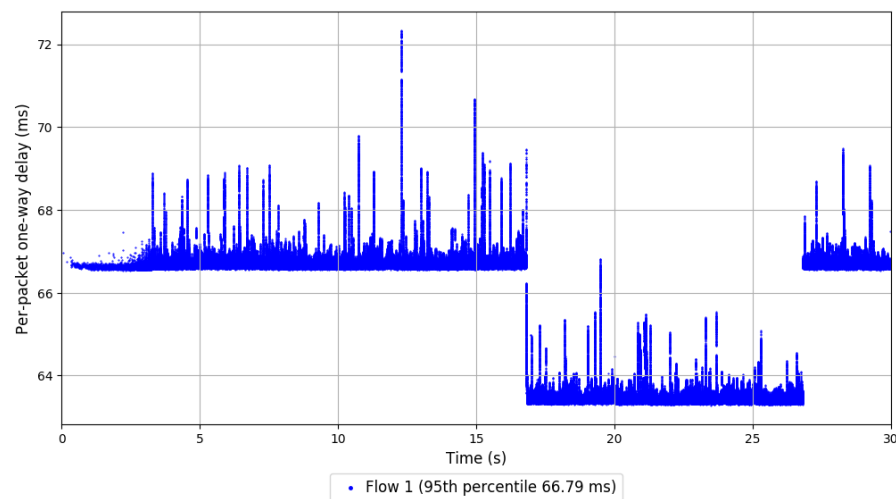
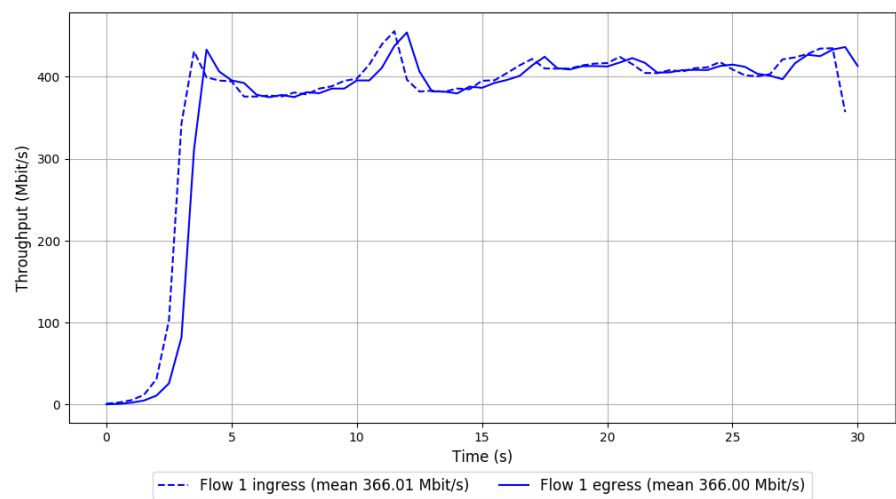
-- Flow 1:

Average throughput: 366.00 Mbit/s

95th percentile per-packet one-way delay: 66.793 ms

Loss rate: 0.01%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-05-31 07:32:37

End at: 2018-05-31 07:33:07

Local clock offset: -0.385 ms

Remote clock offset: 6.45 ms

Below is generated by plot.py at 2018-05-31 10:34:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 370.59 Mbit/s

95th percentile per-packet one-way delay: 73.585 ms

Loss rate: 0.02%

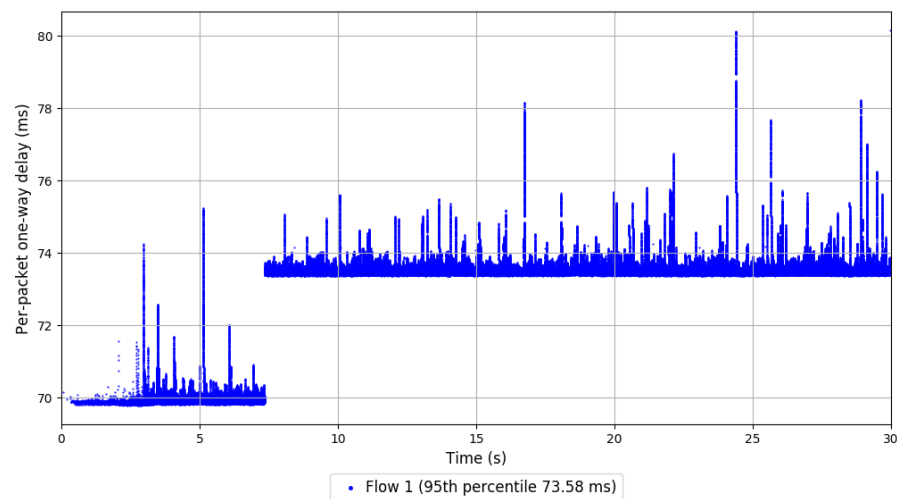
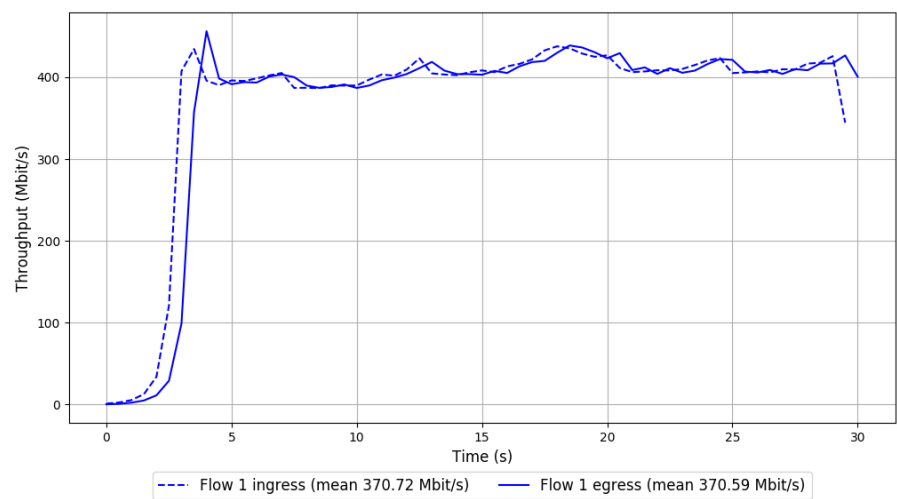
-- Flow 1:

Average throughput: 370.59 Mbit/s

95th percentile per-packet one-way delay: 73.585 ms

Loss rate: 0.02%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-05-31 07:52:57

End at: 2018-05-31 07:53:27

Local clock offset: -0.453 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-05-31 10:34:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 357.64 Mbit/s

95th percentile per-packet one-way delay: 66.828 ms

Loss rate: 0.16%

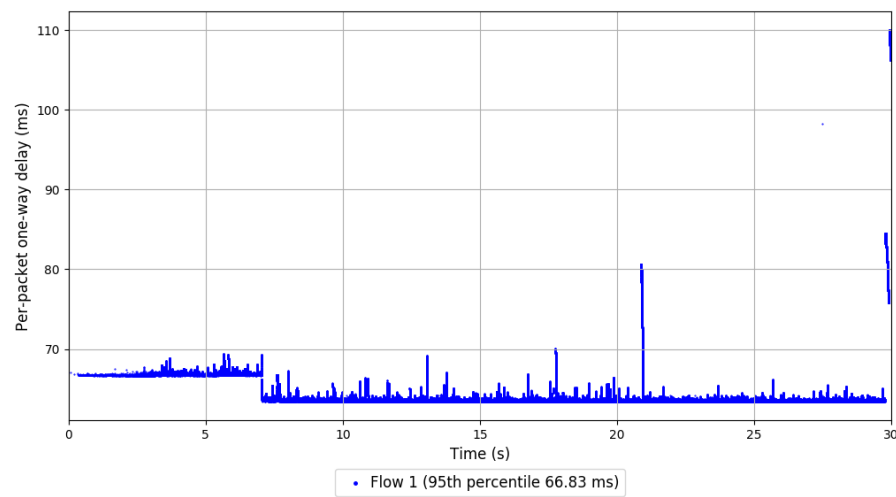
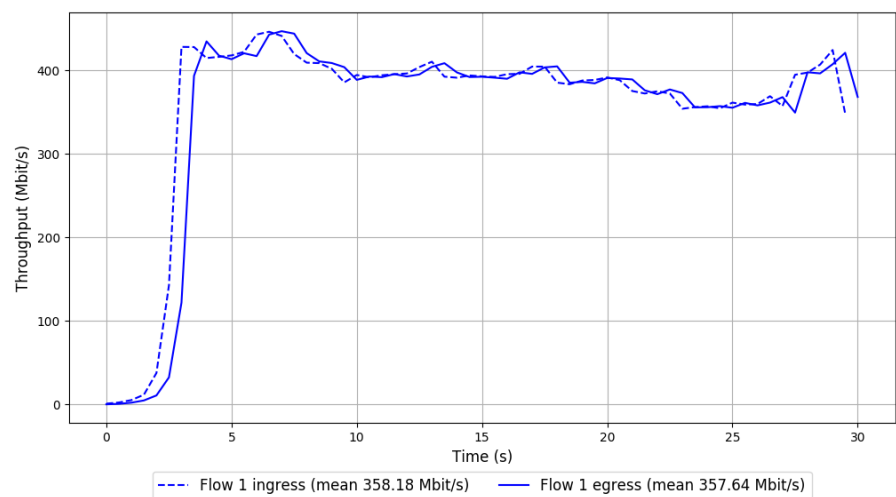
-- Flow 1:

Average throughput: 357.64 Mbit/s

95th percentile per-packet one-way delay: 66.828 ms

Loss rate: 0.16%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-05-31 08:12:56

End at: 2018-05-31 08:13:26

Local clock offset: 0.025 ms

Remote clock offset: 0.105 ms

Below is generated by plot.py at 2018-05-31 10:34:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 378.16 Mbit/s

95th percentile per-packet one-way delay: 63.847 ms

Loss rate: 0.00%

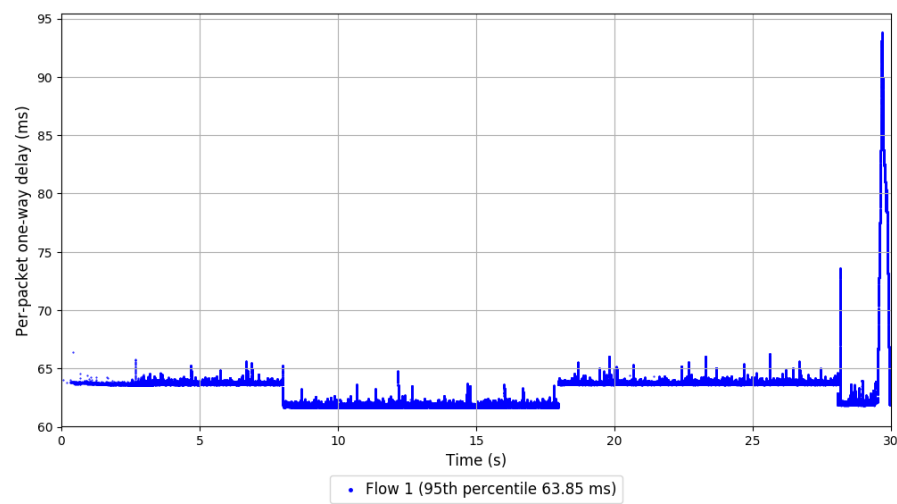
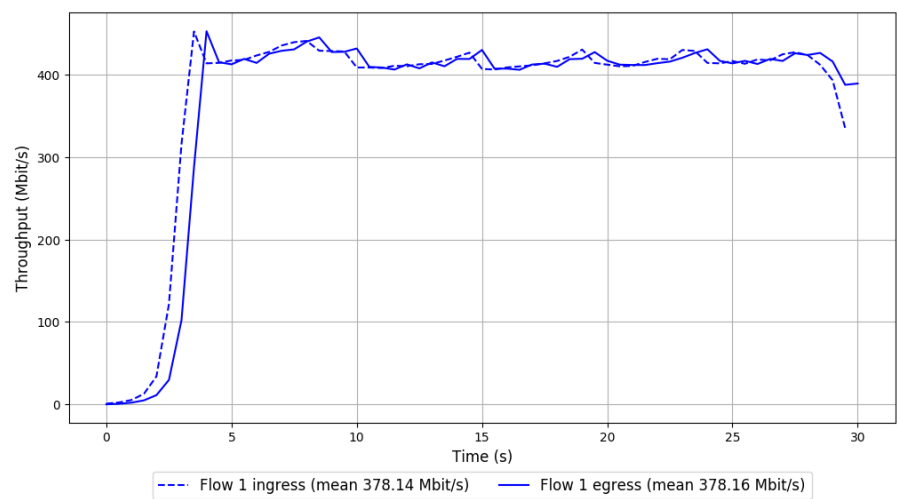
-- Flow 1:

Average throughput: 378.16 Mbit/s

95th percentile per-packet one-way delay: 63.847 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link

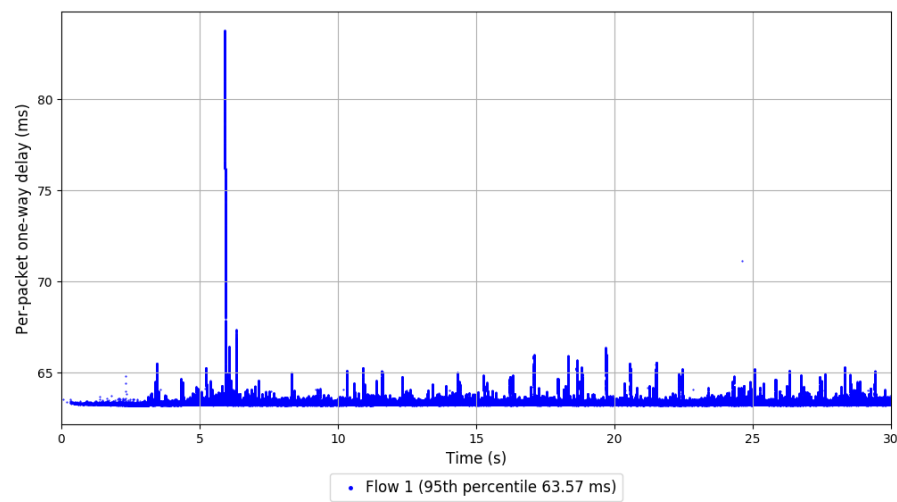
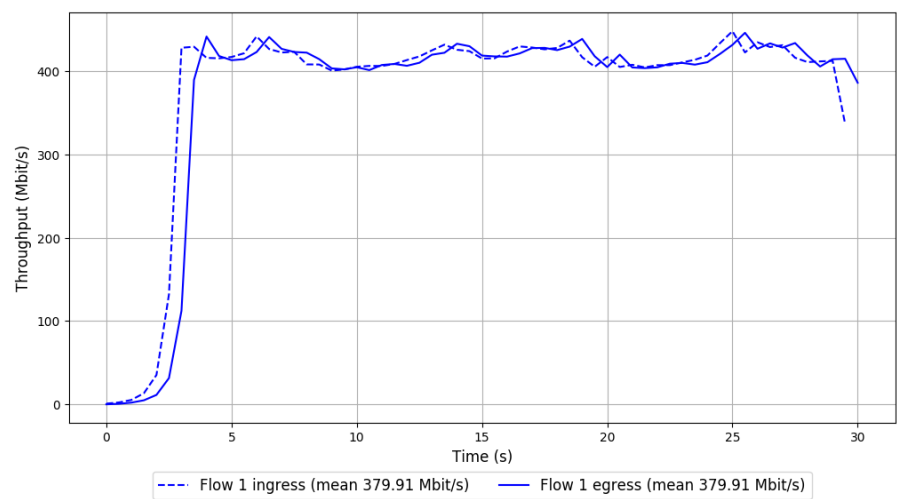


Run 9: Statistics of PCC-Vivace

Start at: 2018-05-31 08:33:13
End at: 2018-05-31 08:33:43
Local clock offset: 0.243 ms
Remote clock offset: -0.167 ms

Below is generated by plot.py at 2018-05-31 10:34:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 379.91 Mbit/s
95th percentile per-packet one-way delay: 63.567 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 379.91 Mbit/s
95th percentile per-packet one-way delay: 63.567 ms
Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-05-31 08:53:18

End at: 2018-05-31 08:53:48

Local clock offset: 0.264 ms

Remote clock offset: 0.136 ms

Below is generated by plot.py at 2018-05-31 10:34:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 391.86 Mbit/s

95th percentile per-packet one-way delay: 63.850 ms

Loss rate: 0.00%

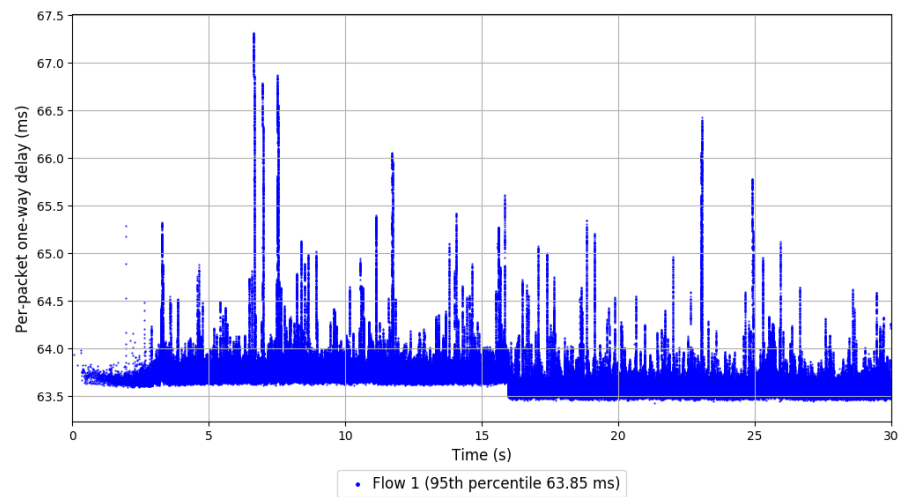
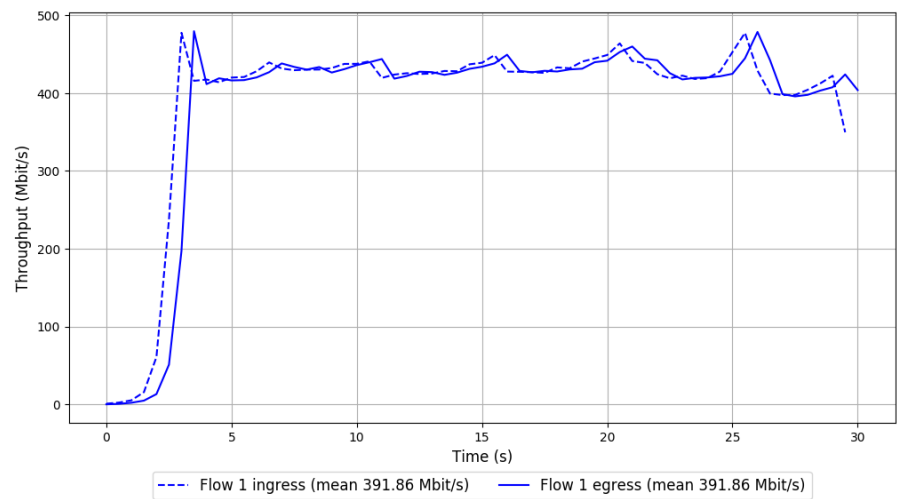
-- Flow 1:

Average throughput: 391.86 Mbit/s

95th percentile per-packet one-way delay: 63.850 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

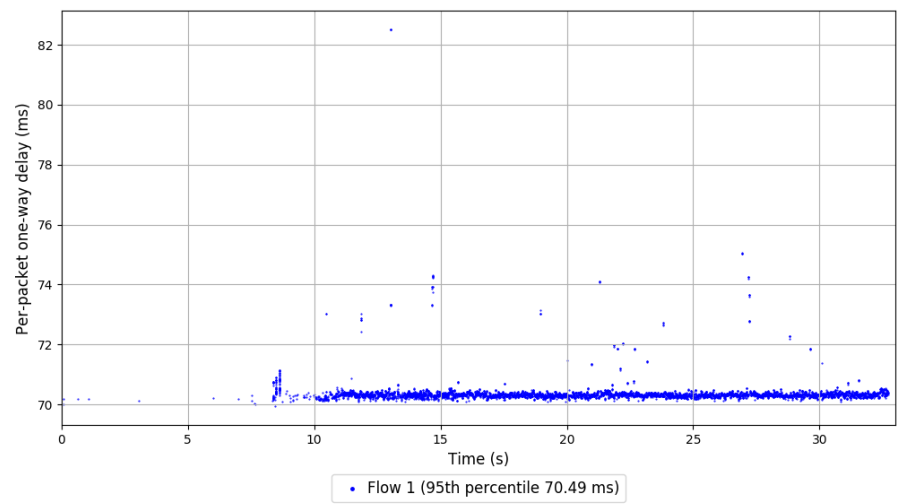
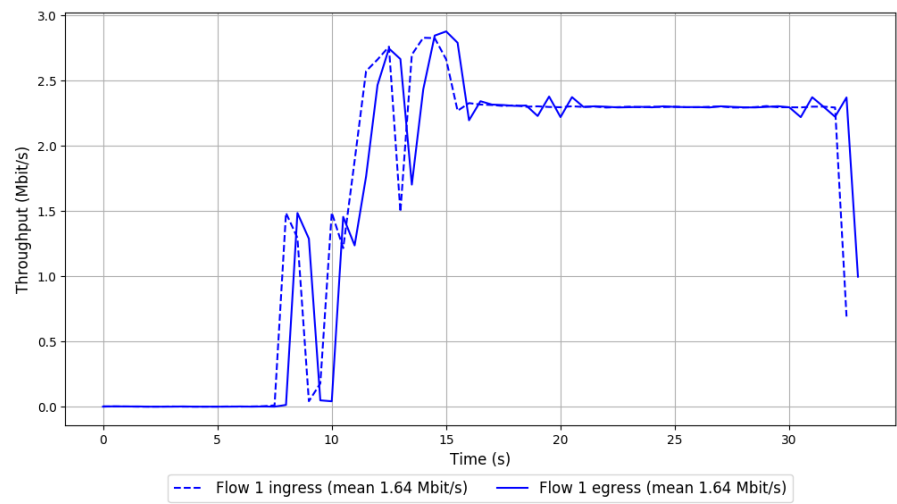


```
Run 1: Statistics of WebRTC media

Start at: 2018-05-31 05:57:08
End at: 2018-05-31 05:57:38
Local clock offset: 0.619 ms
Remote clock offset: 6.582 ms

# Below is generated by plot.py at 2018-05-31 10:34:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.64 Mbit/s
95th percentile per-packet one-way delay: 70.491 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.64 Mbit/s
95th percentile per-packet one-way delay: 70.491 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-05-31 06:17:26

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

Local clock offset: 0.425 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-05-31 10:34:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 61.864 ms

Loss rate: 0.00%

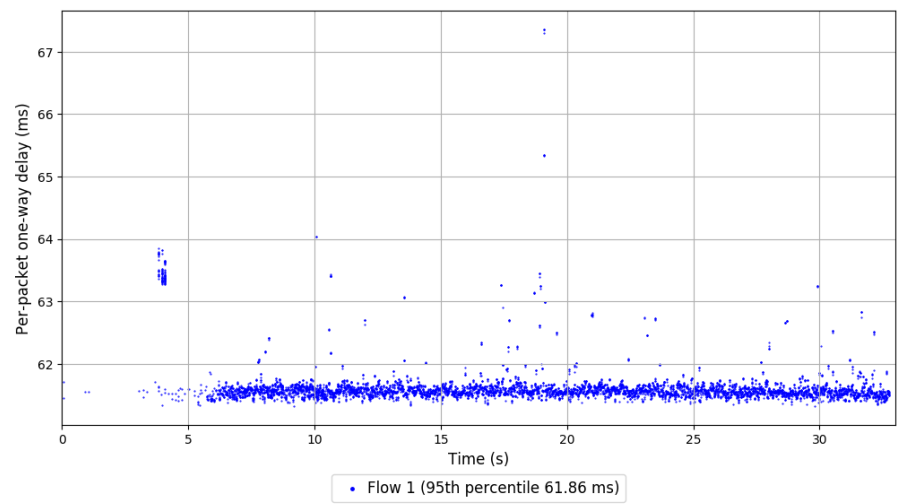
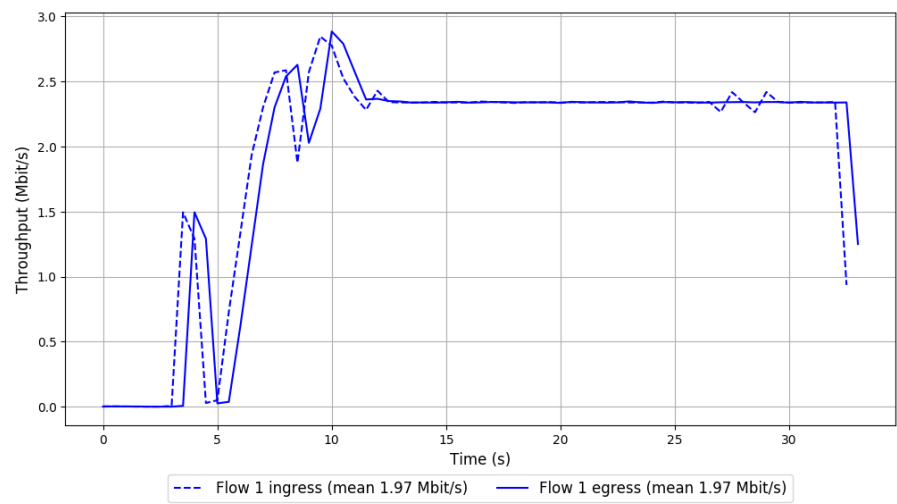
-- Flow 1:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 61.864 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-05-31 06:37:51

End at: 2018-05-31 06:38:21

Local clock offset: -0.081 ms

Remote clock offset: 6.511 ms

Below is generated by plot.py at 2018-05-31 10:34:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 70.225 ms

Loss rate: 0.00%

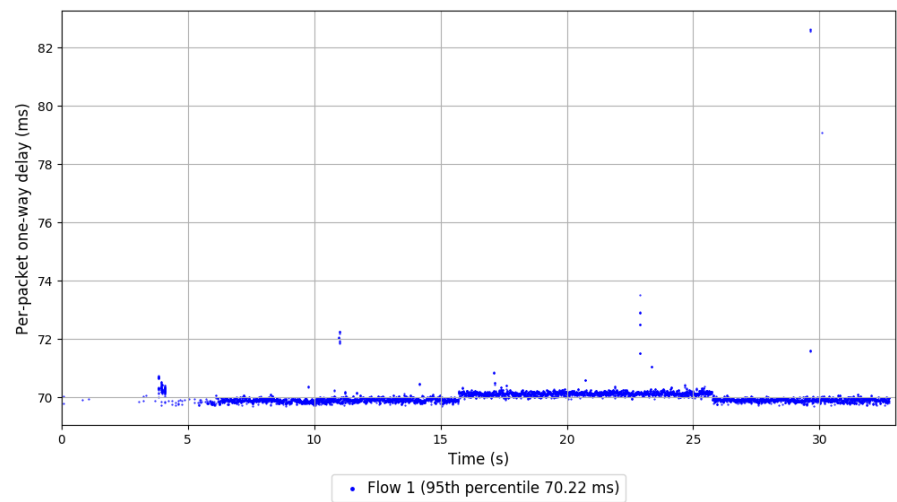
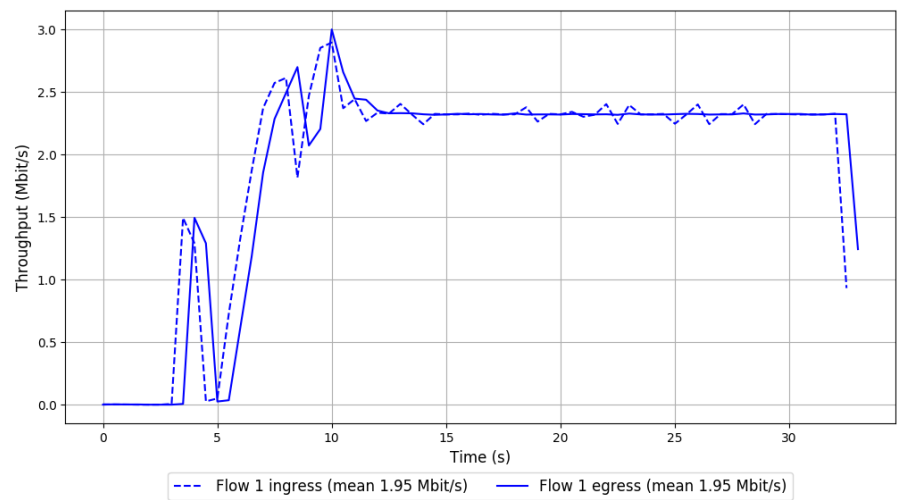
-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 70.225 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

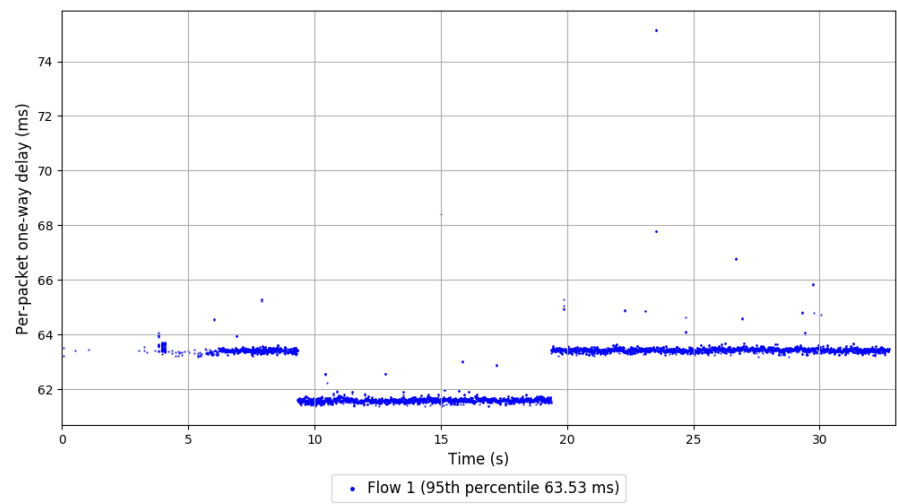
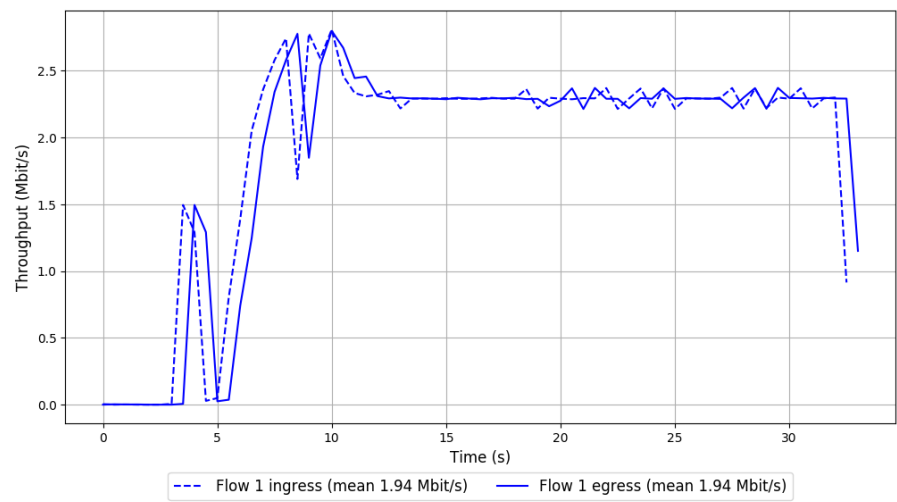


Run 4: Statistics of WebRTC media

Start at: 2018-05-31 06:57:58
End at: 2018-05-31 06:58:28
Local clock offset: -0.213 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2018-05-31 10:34:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 63.534 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 63.534 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-05-31 07:18:01

End at: 2018-05-31 07:18:31

Local clock offset: -0.27 ms

Remote clock offset: 6.324 ms

Below is generated by plot.py at 2018-05-31 10:34:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 73.563 ms

Loss rate: 0.00%

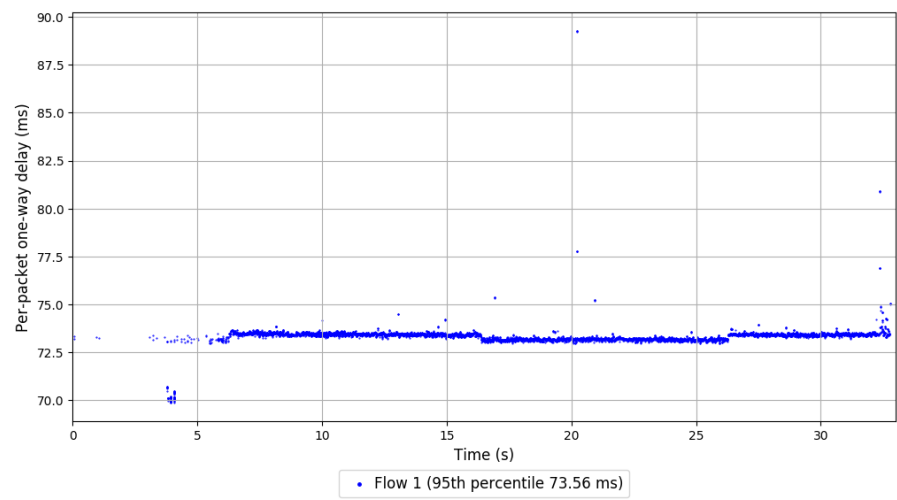
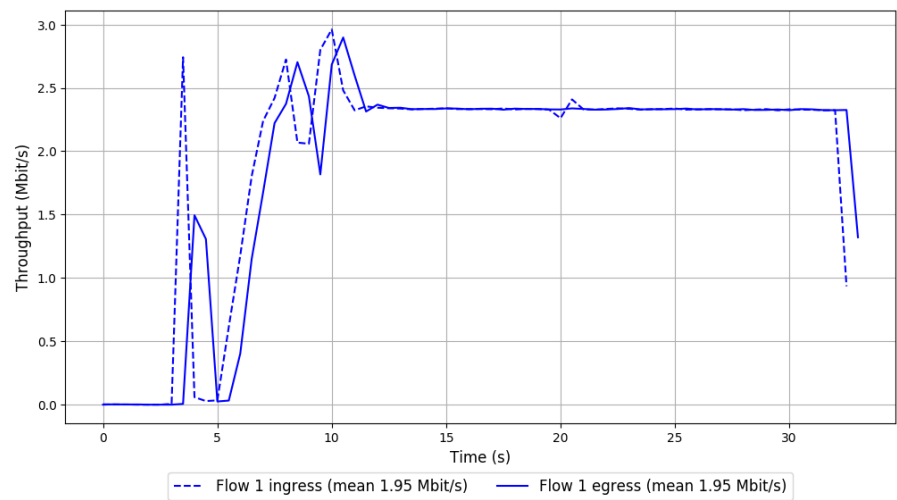
-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 73.563 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-05-31 07:38:01

End at: 2018-05-31 07:38:31

Local clock offset: -0.432 ms

Remote clock offset: 0.071 ms

Below is generated by plot.py at 2018-05-31 10:34:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 67.117 ms

Loss rate: 0.00%

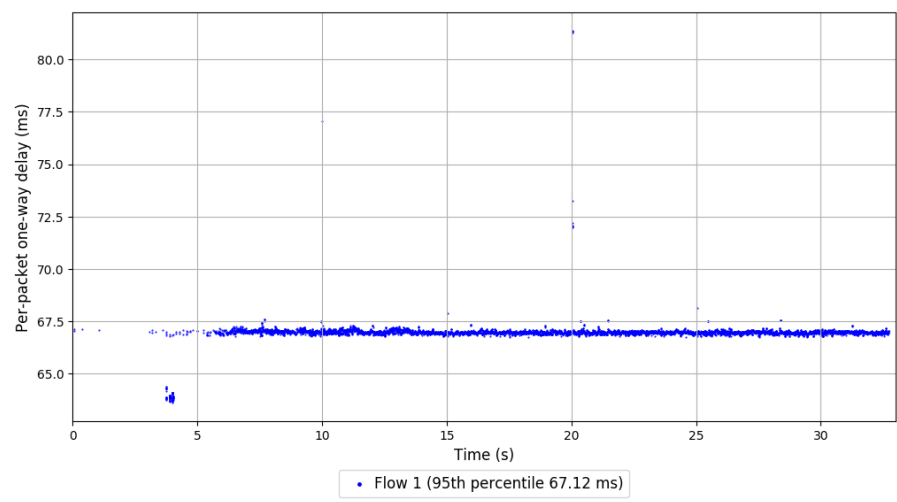
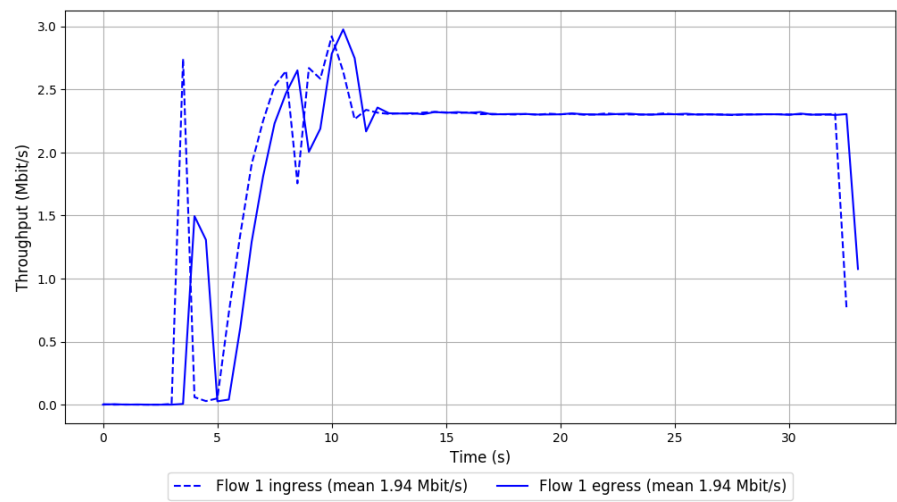
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 67.117 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

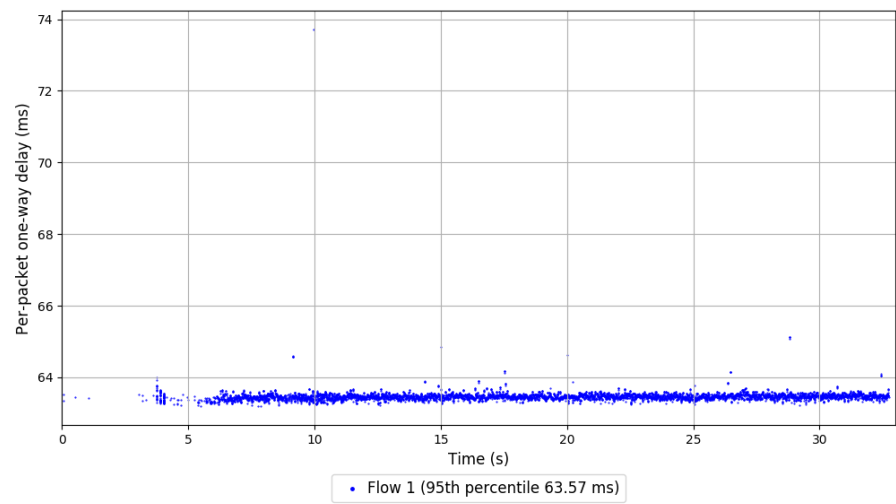
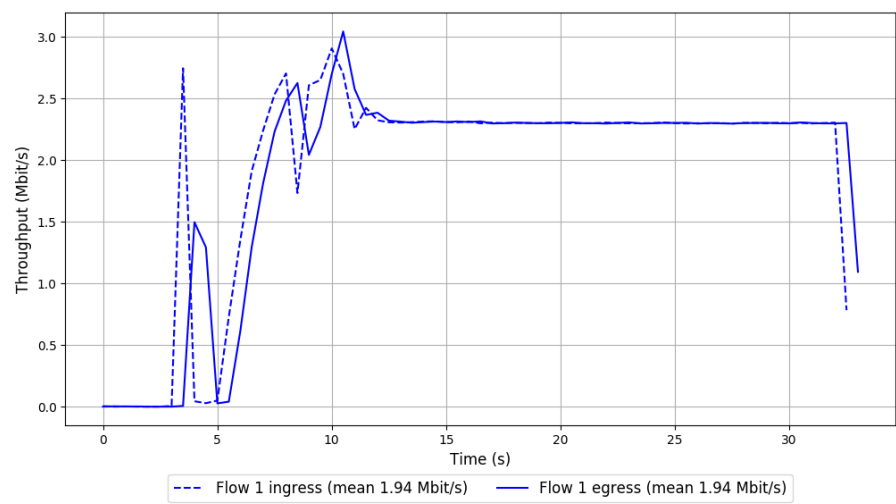


Run 7: Statistics of WebRTC media

Start at: 2018-05-31 07:58:20
End at: 2018-05-31 07:58:50
Local clock offset: -0.448 ms
Remote clock offset: -0.303 ms

Below is generated by plot.py at 2018-05-31 10:34:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 63.574 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 63.574 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

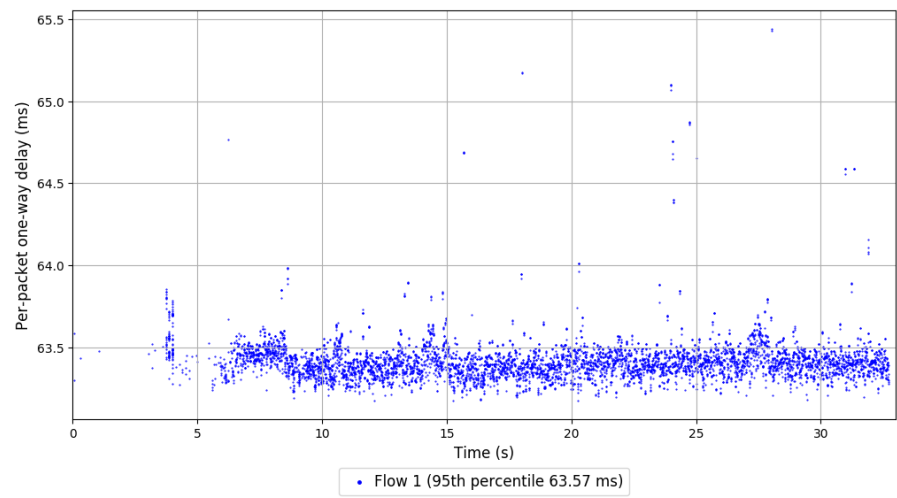
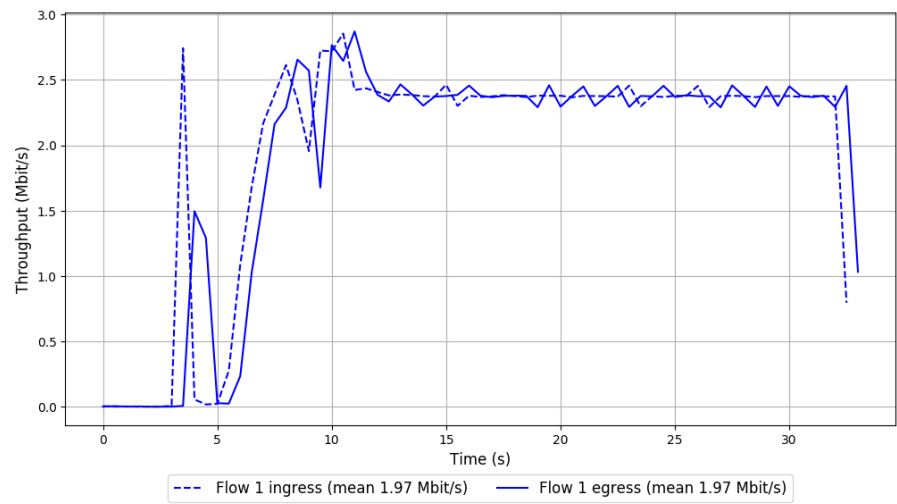


Run 8: Statistics of WebRTC media

Start at: 2018-05-31 08:18:19
End at: 2018-05-31 08:18:49
Local clock offset: 0.069 ms
Remote clock offset: -0.307 ms

Below is generated by plot.py at 2018-05-31 10:34:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 63.572 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 63.572 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

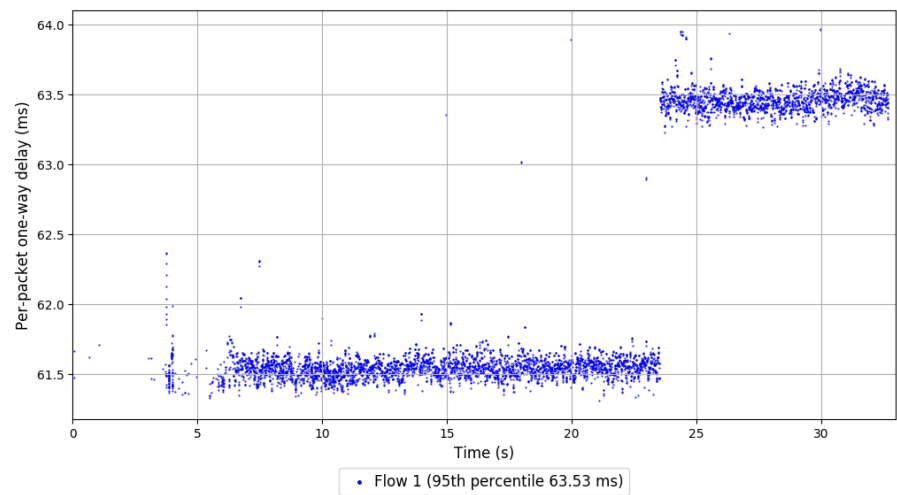
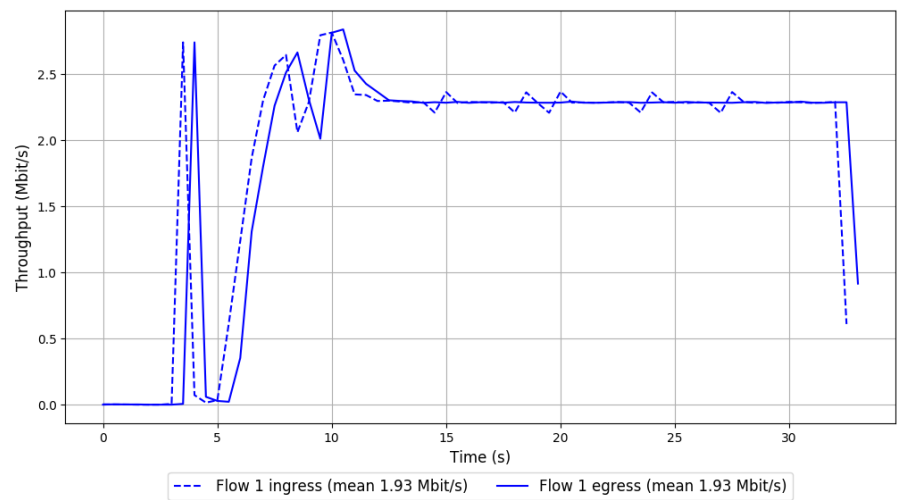


Run 9: Statistics of WebRTC media

Start at: 2018-05-31 08:38:34
End at: 2018-05-31 08:39:04
Local clock offset: 0.224 ms
Remote clock offset: -0.183 ms

Below is generated by plot.py at 2018-05-31 10:34:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 63.530 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 63.530 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-31 08:58:40

End at: 2018-05-31 08:59:10

Local clock offset: 0.34 ms

Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-05-31 10:34:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 63.520 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 63.520 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

