

Pantheon Report

Generated at 2018-06-30 15:49:59 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

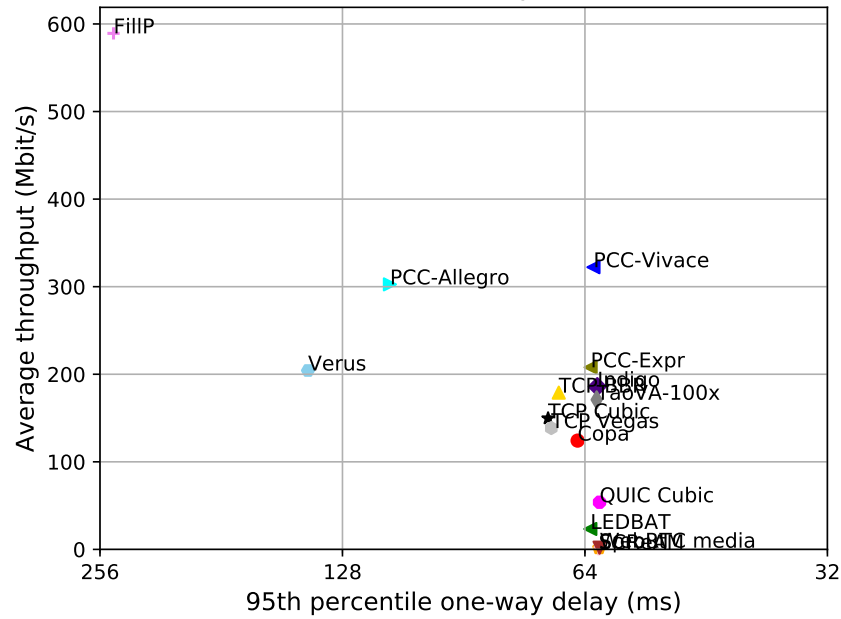
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

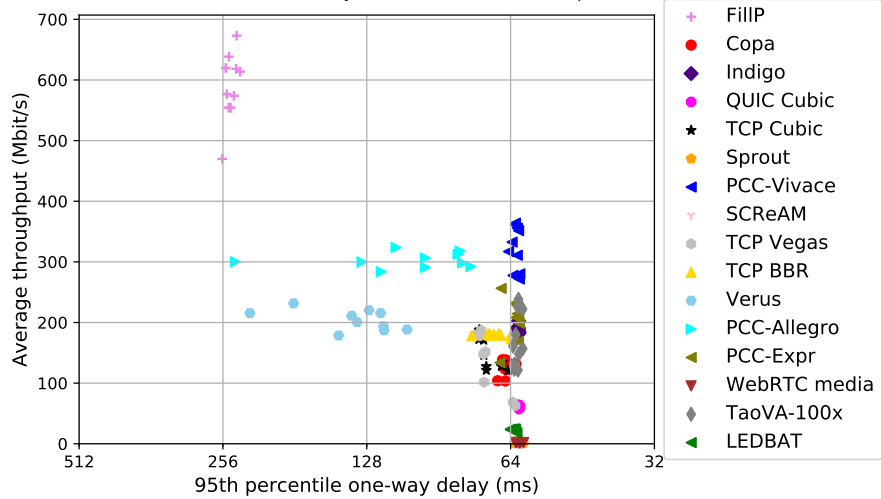
Git summary:

```
branch: master @ 715dc5f09d172e419699f6f17f1cb4c45064f212
third_party/llp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/llp-sheep @ 30060ab034deb3424347f5cc3db86198eac35d2a
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from GCE 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	179.02	68.97	0.00
Copa	9	124.22	65.36	0.00
TCP Cubic	10	149.66	71.11	0.00
FillP	10	589.25	246.29	0.39
FillP-Sheep	0	N/A	N/A	N/A
Indigo	10	185.87	61.78	0.00
LEDBAT	10	23.33	63.03	0.00
PCC-Allegro	10	302.62	111.76	0.24
PCC-Expr	10	207.90	62.98	0.00
QUIC Cubic	8	53.85	61.39	0.45
SCReAM	10	0.22	61.51	0.00
Sprout	10	1.33	61.47	0.11
TaoVA-100x	10	170.85	61.89	0.00
TCP Vegas	10	138.56	70.47	0.01
Verus	10	204.28	141.26	0.29
PCC-Vivace	10	322.23	62.46	0.00
WebRTC media	10	1.96	61.38	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-06-30 10:49:39

End at: 2018-06-30 10:50:09

Local clock offset: 0.073 ms

Remote clock offset: 0.151 ms

Below is generated by plot.py at 2018-06-30 14:33:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.69 Mbit/s

95th percentile per-packet one-way delay: 71.264 ms

Loss rate: 0.00%

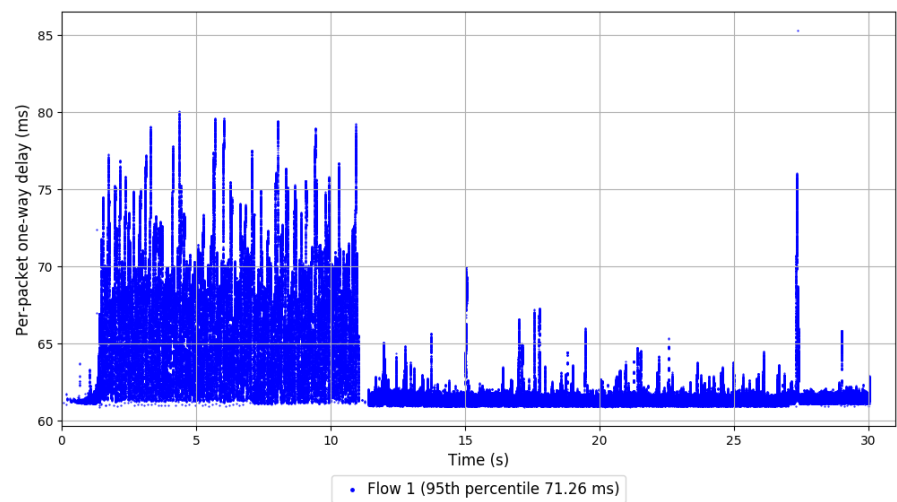
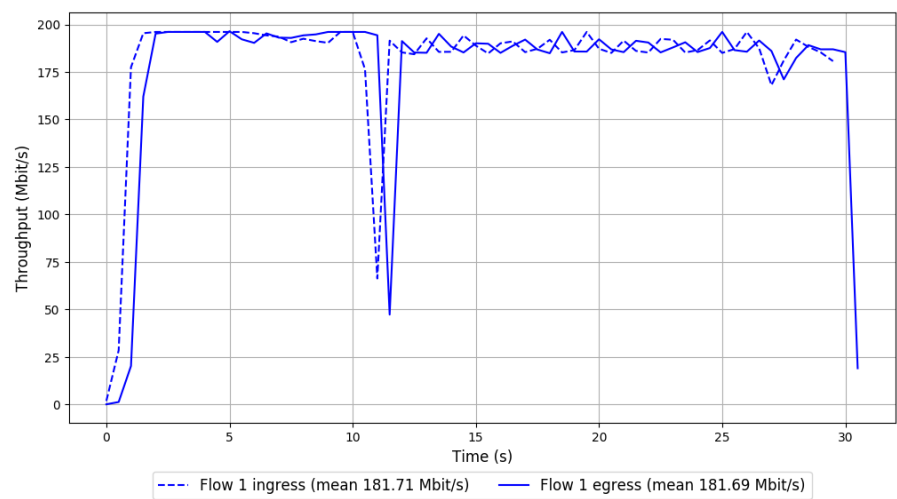
-- Flow 1:

Average throughput: 181.69 Mbit/s

95th percentile per-packet one-way delay: 71.264 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

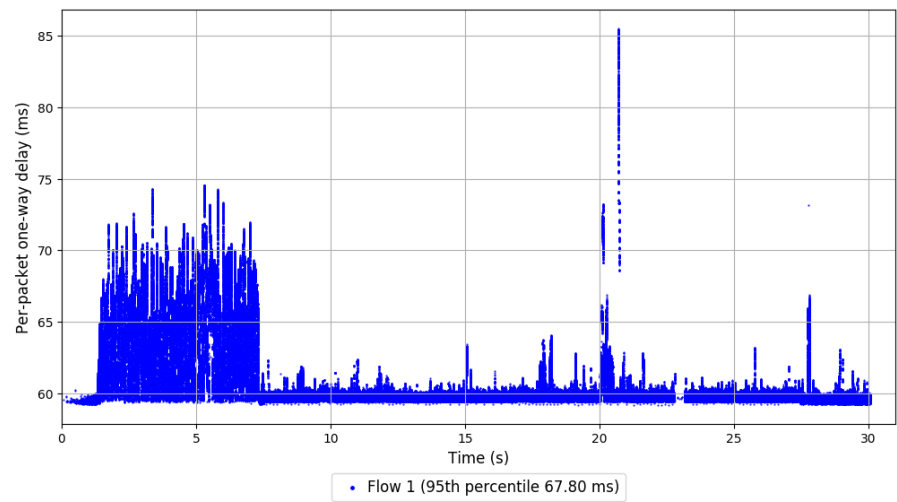
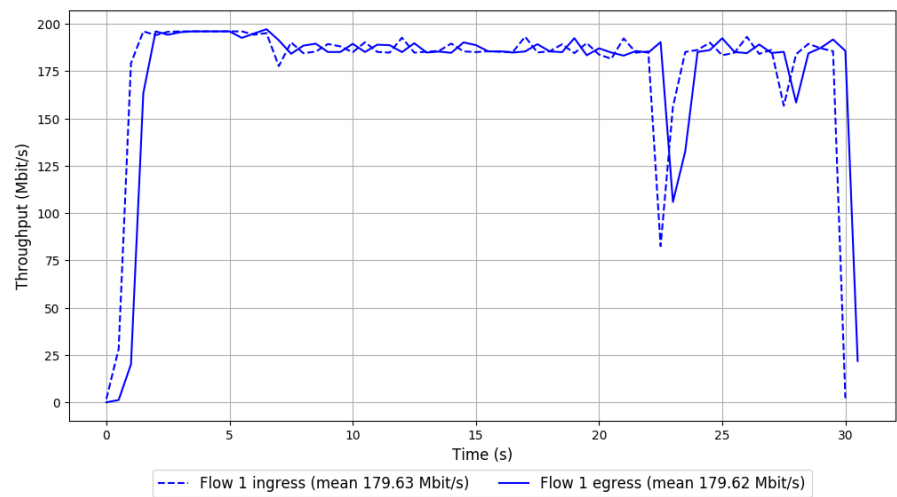


Run 2: Statistics of TCP BBR

Start at: 2018-06-30 11:11:09
End at: 2018-06-30 11:11:39
Local clock offset: 0.059 ms
Remote clock offset: -1.637 ms

Below is generated by plot.py at 2018-06-30 14:33:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 179.62 Mbit/s
95th percentile per-packet one-way delay: 67.796 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 179.62 Mbit/s
95th percentile per-packet one-way delay: 67.796 ms
Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-06-30 11:32:32

End at: 2018-06-30 11:33:02

Local clock offset: 0.014 ms

Remote clock offset: 0.321 ms

Below is generated by plot.py at 2018-06-30 14:33:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.54 Mbit/s

95th percentile per-packet one-way delay: 67.630 ms

Loss rate: 0.00%

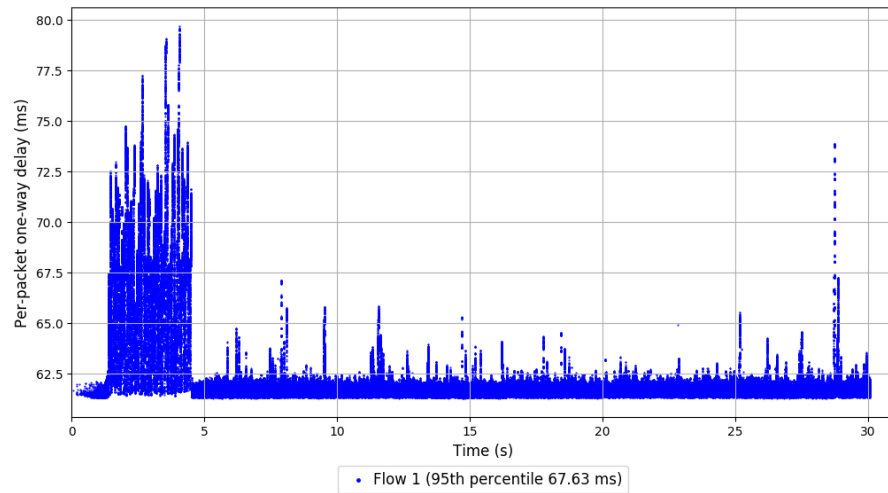
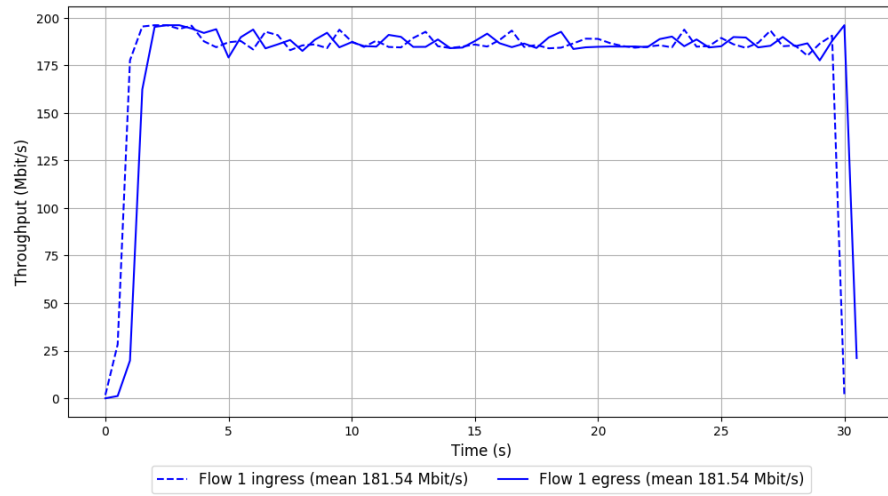
-- Flow 1:

Average throughput: 181.54 Mbit/s

95th percentile per-packet one-way delay: 67.630 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-06-30 11:53:49

End at: 2018-06-30 11:54:19

Local clock offset: -0.065 ms

Remote clock offset: 0.208 ms

Below is generated by plot.py at 2018-06-30 14:33:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 178.91 Mbit/s

95th percentile per-packet one-way delay: 70.569 ms

Loss rate: 0.00%

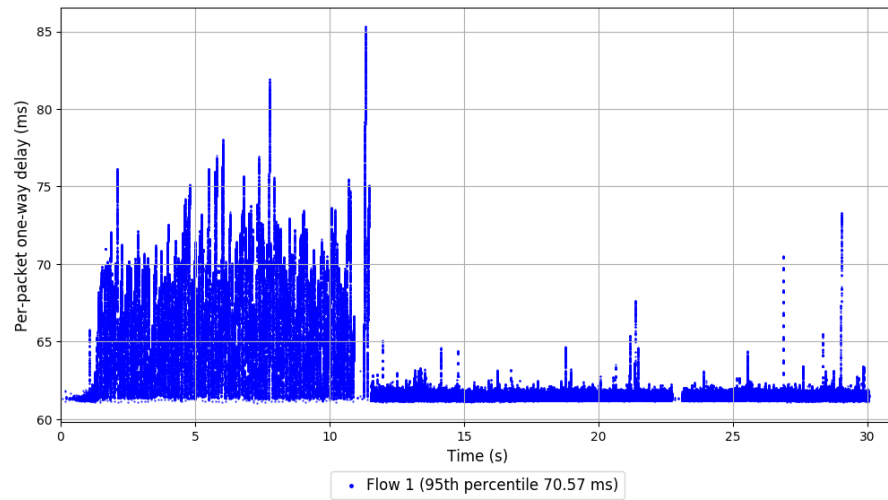
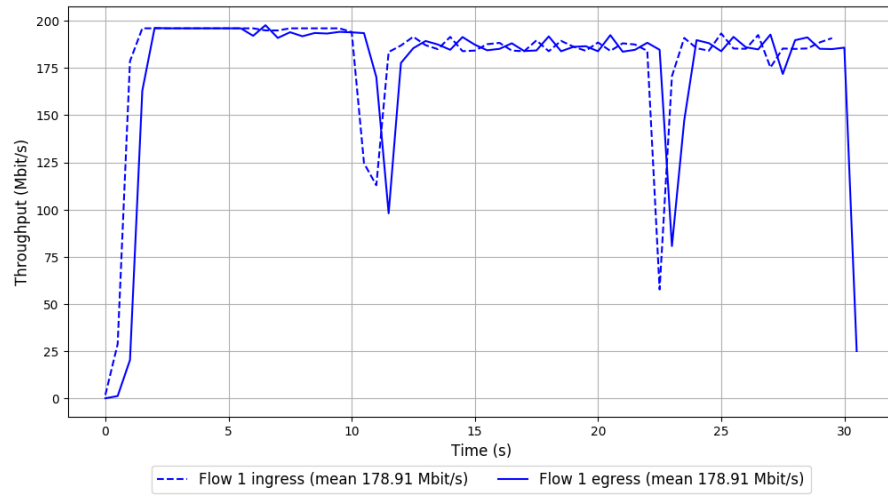
-- Flow 1:

Average throughput: 178.91 Mbit/s

95th percentile per-packet one-way delay: 70.569 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-06-30 12:15:08

End at: 2018-06-30 12:15:38

Local clock offset: -0.061 ms

Remote clock offset: 1.164 ms

Below is generated by plot.py at 2018-06-30 14:33:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.16 Mbit/s

95th percentile per-packet one-way delay: 67.155 ms

Loss rate: 0.00%

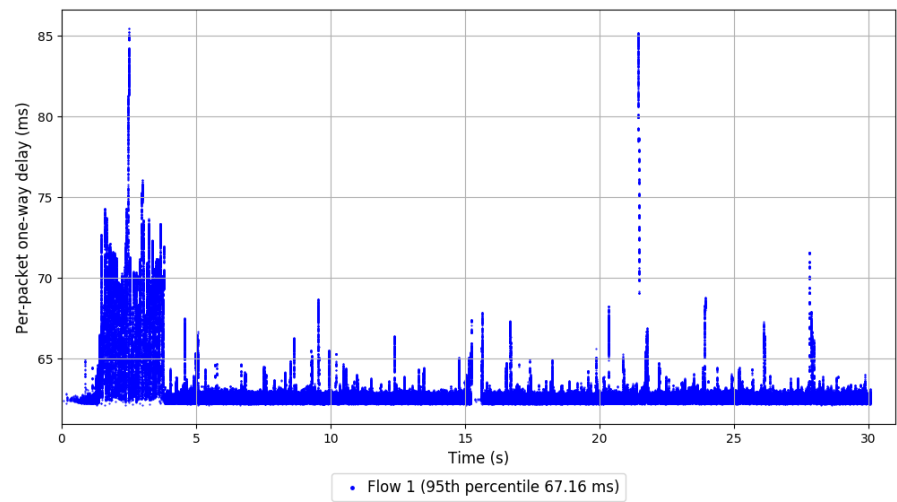
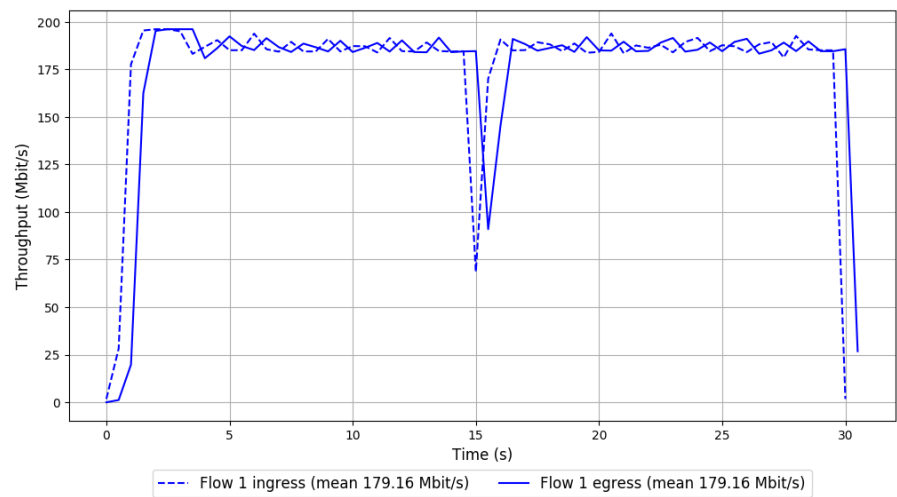
-- Flow 1:

Average throughput: 179.16 Mbit/s

95th percentile per-packet one-way delay: 67.155 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link

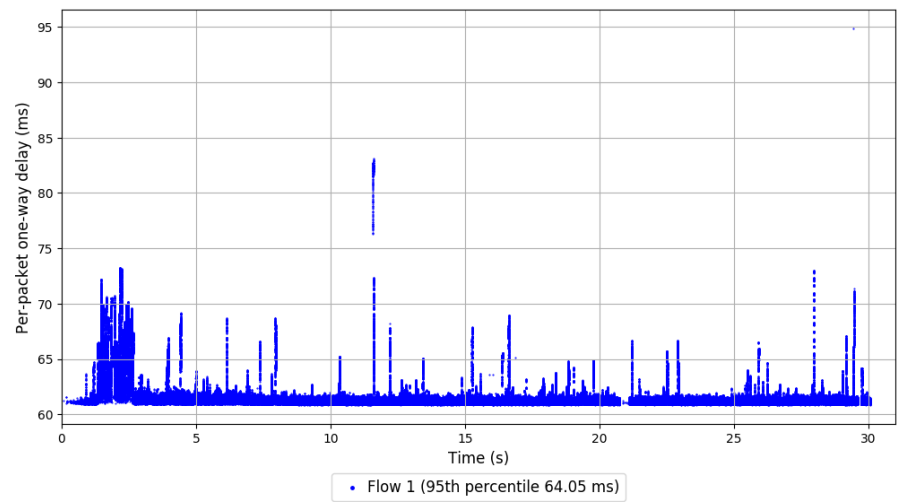
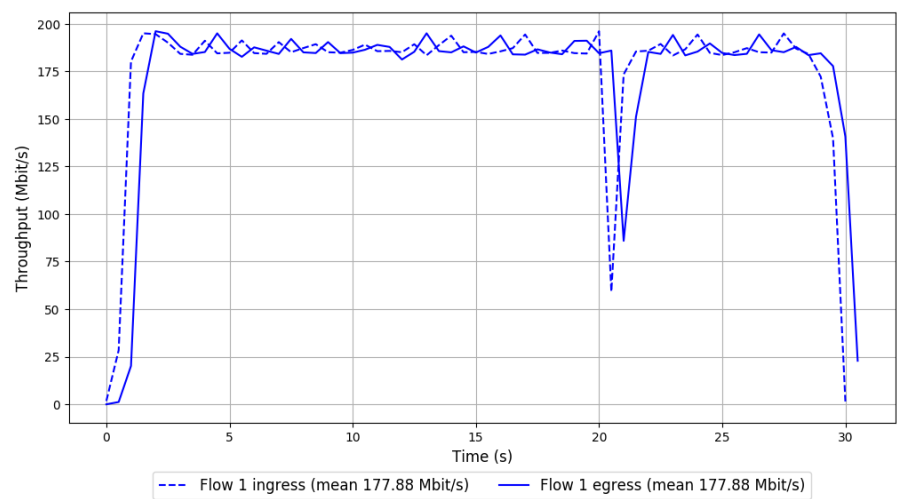


Run 6: Statistics of TCP BBR

Start at: 2018-06-30 12:36:18
End at: 2018-06-30 12:36:48
Local clock offset: -0.043 ms
Remote clock offset: -0.136 ms

Below is generated by plot.py at 2018-06-30 14:33:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 177.88 Mbit/s
95th percentile per-packet one-way delay: 64.047 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 177.88 Mbit/s
95th percentile per-packet one-way delay: 64.047 ms
Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-06-30 12:57:30

End at: 2018-06-30 12:58:00

Local clock offset: -0.017 ms

Remote clock offset: 1.091 ms

Below is generated by plot.py at 2018-06-30 14:33:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.59 Mbit/s

95th percentile per-packet one-way delay: 69.387 ms

Loss rate: 0.00%

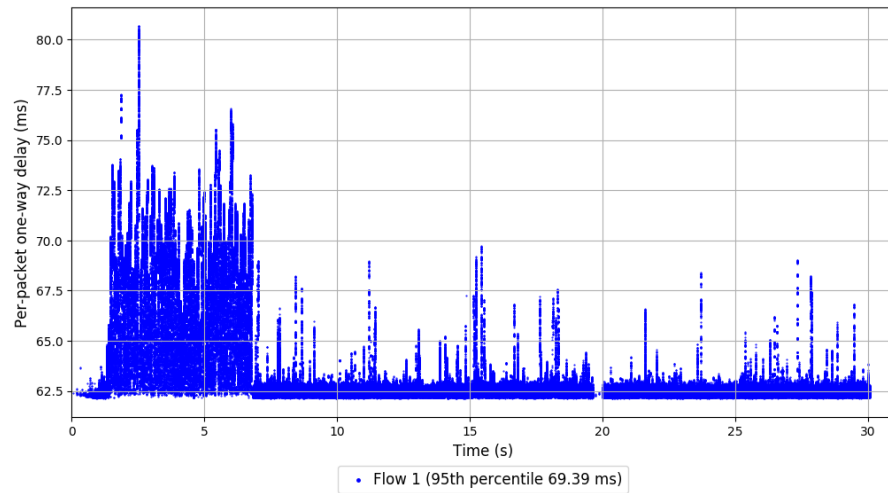
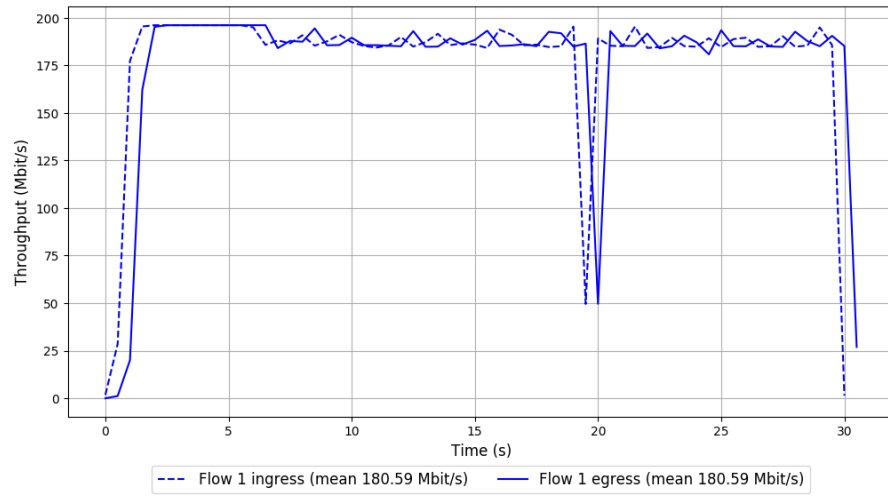
-- Flow 1:

Average throughput: 180.59 Mbit/s

95th percentile per-packet one-way delay: 69.387 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-06-30 13:18:52

End at: 2018-06-30 13:19:22

Local clock offset: -0.06 ms

Remote clock offset: 0.168 ms

Below is generated by plot.py at 2018-06-30 14:33:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.88 Mbit/s

95th percentile per-packet one-way delay: 63.773 ms

Loss rate: 0.00%

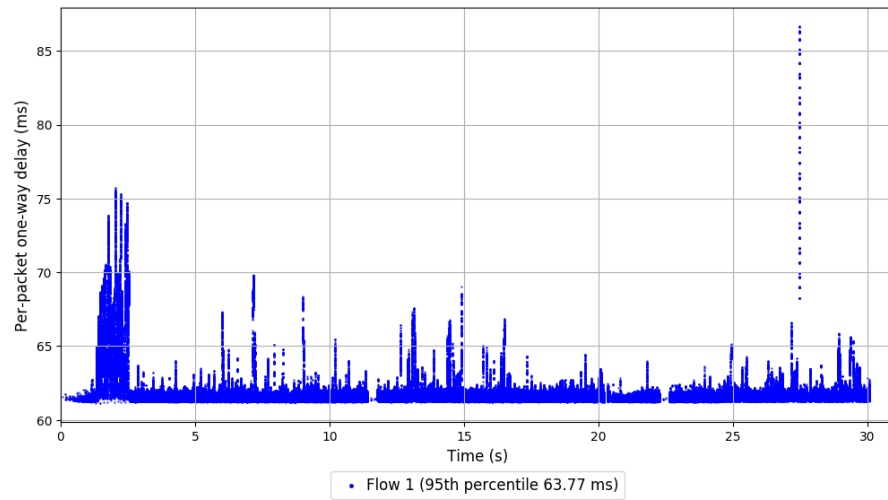
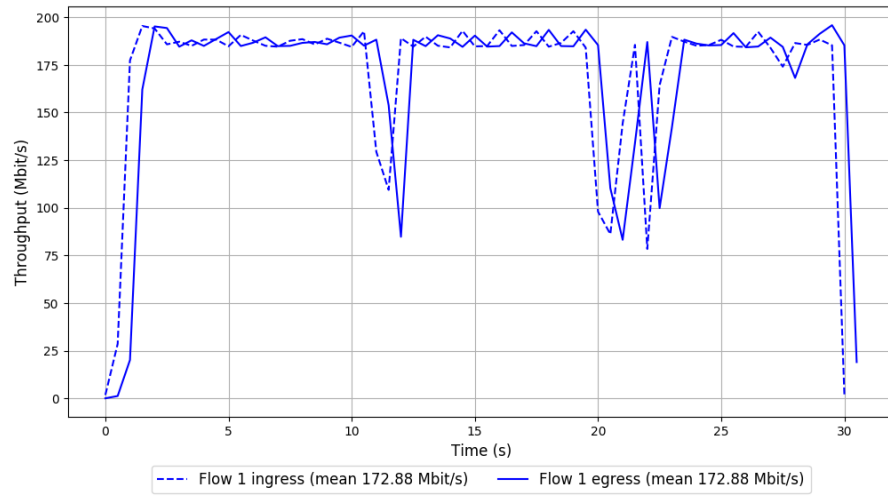
-- Flow 1:

Average throughput: 172.88 Mbit/s

95th percentile per-packet one-way delay: 63.773 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link

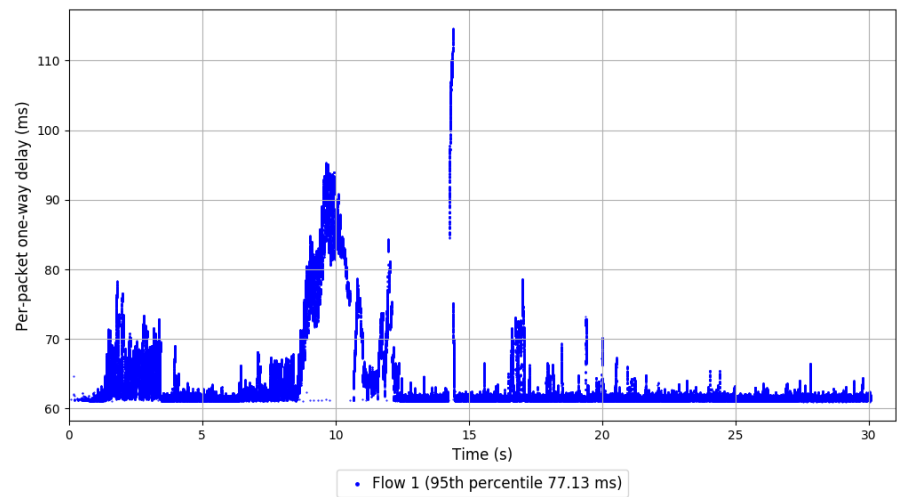
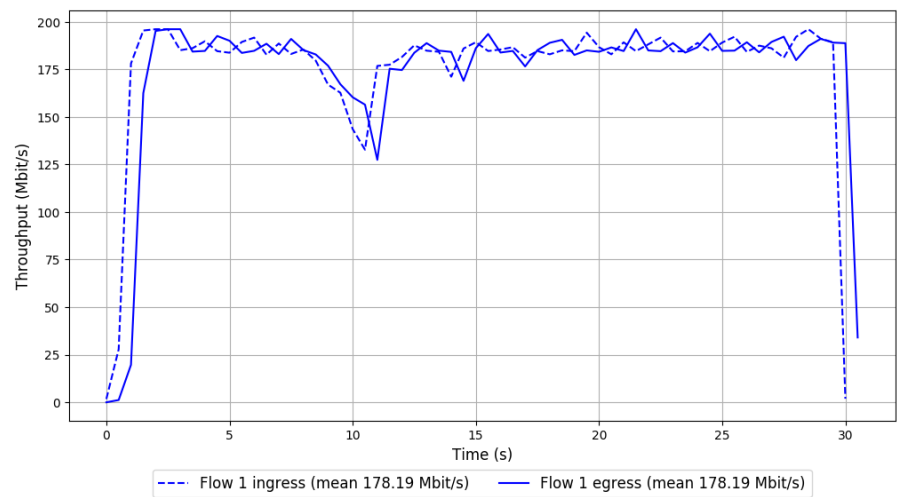


Run 9: Statistics of TCP BBR

Start at: 2018-06-30 13:39:59
End at: 2018-06-30 13:40:29
Local clock offset: -0.02 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-06-30 14:37:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 178.19 Mbit/s
95th percentile per-packet one-way delay: 77.130 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 178.19 Mbit/s
95th percentile per-packet one-way delay: 77.130 ms
Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link

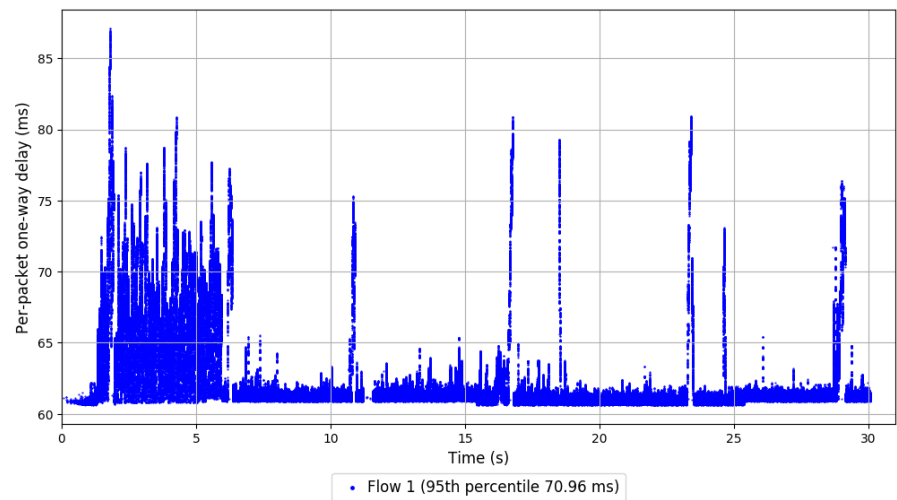
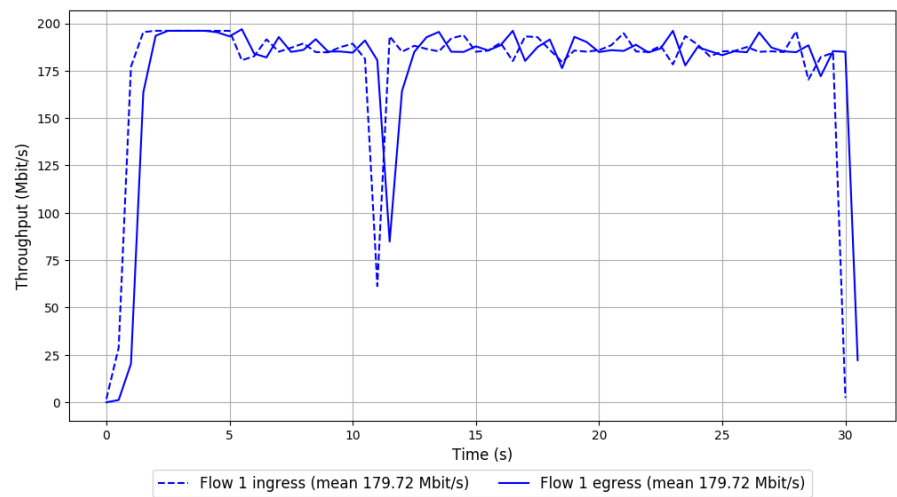


Run 10: Statistics of TCP BBR

Start at: 2018-06-30 14:01:11
End at: 2018-06-30 14:01:41
Local clock offset: -0.14 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-06-30 14:37:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 179.72 Mbit/s
95th percentile per-packet one-way delay: 70.961 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 179.72 Mbit/s
95th percentile per-packet one-way delay: 70.961 ms
Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-06-30 10:50:54

End at: 2018-06-30 10:51:24

Local clock offset: 0.038 ms

Remote clock offset: 0.068 ms

Below is generated by plot.py at 2018-06-30 14:37:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 122.30 Mbit/s

95th percentile per-packet one-way delay: 65.431 ms

Loss rate: 0.00%

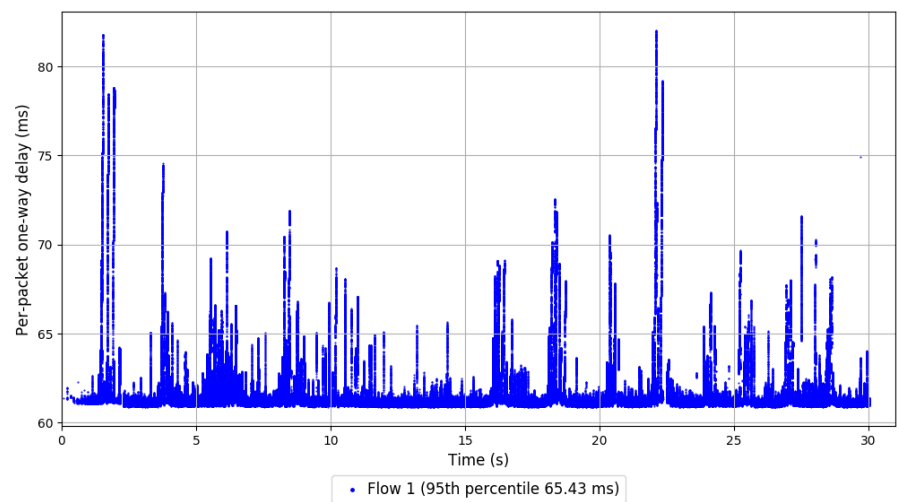
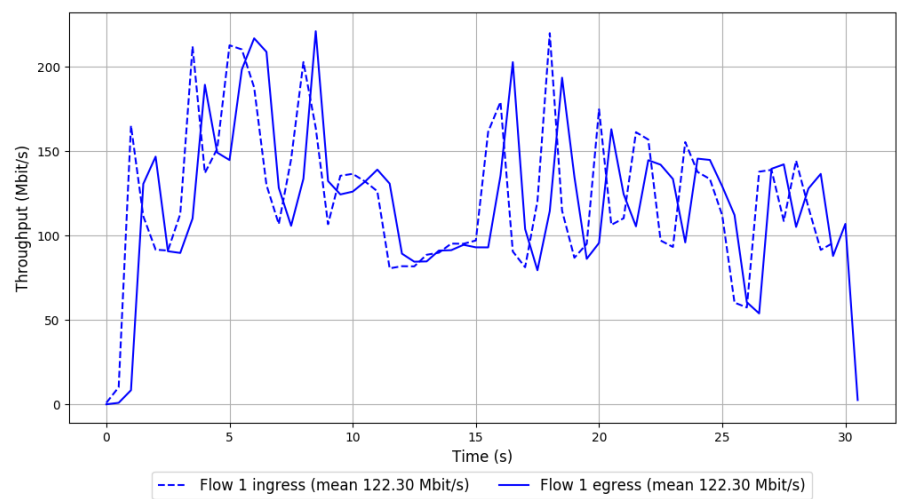
-- Flow 1:

Average throughput: 122.30 Mbit/s

95th percentile per-packet one-way delay: 65.431 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link

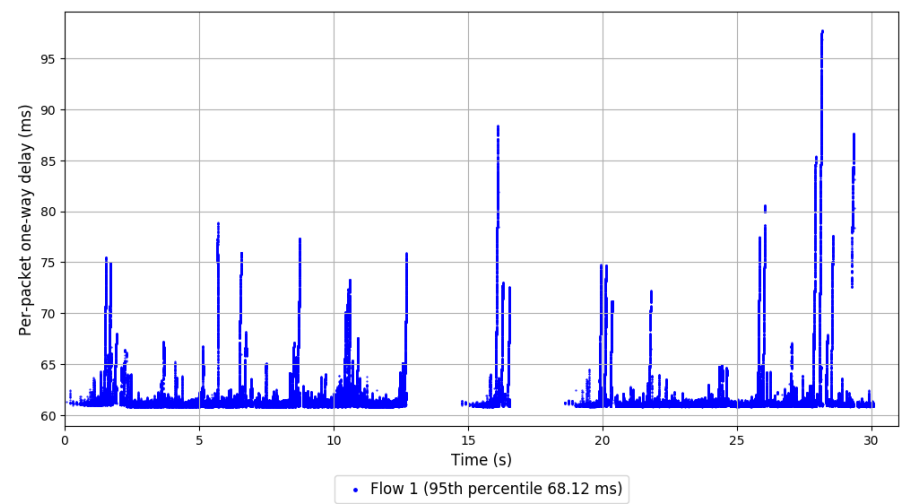
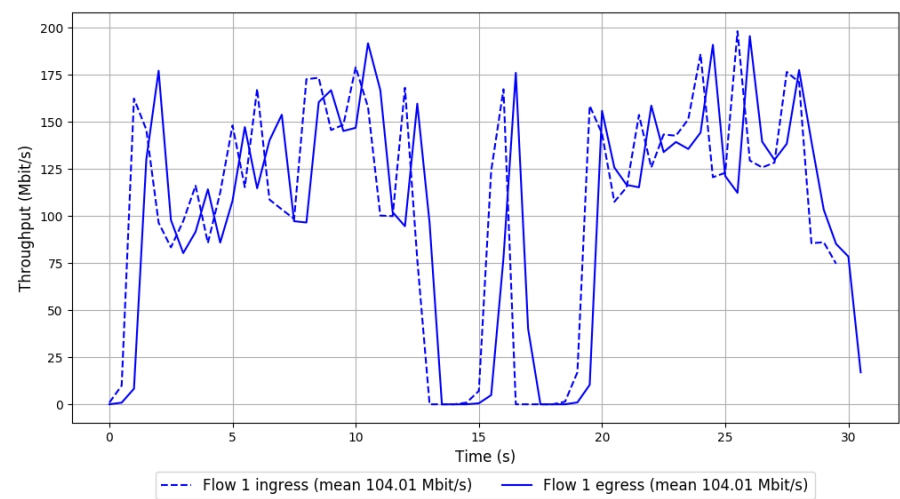


Run 2: Statistics of Copa

Start at: 2018-06-30 11:12:24
End at: 2018-06-30 11:12:54
Local clock offset: 0.021 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-06-30 14:37:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 104.01 Mbit/s
95th percentile per-packet one-way delay: 68.120 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 104.01 Mbit/s
95th percentile per-packet one-way delay: 68.120 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

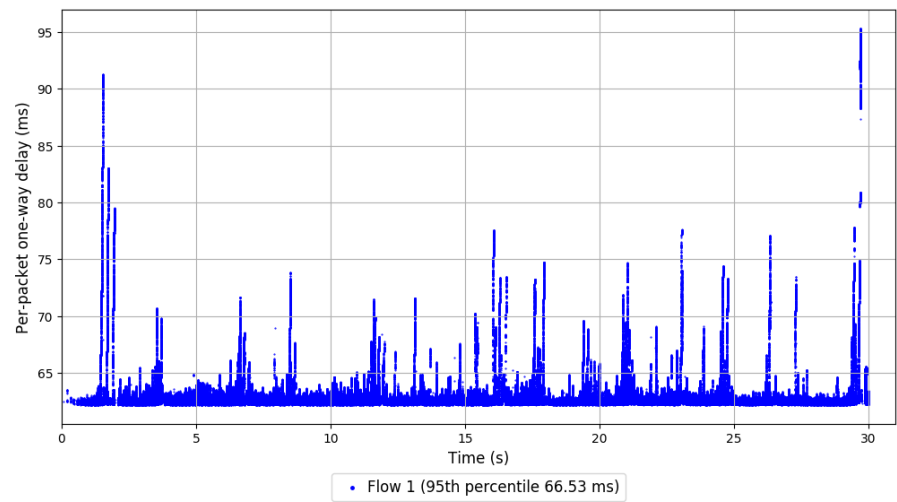
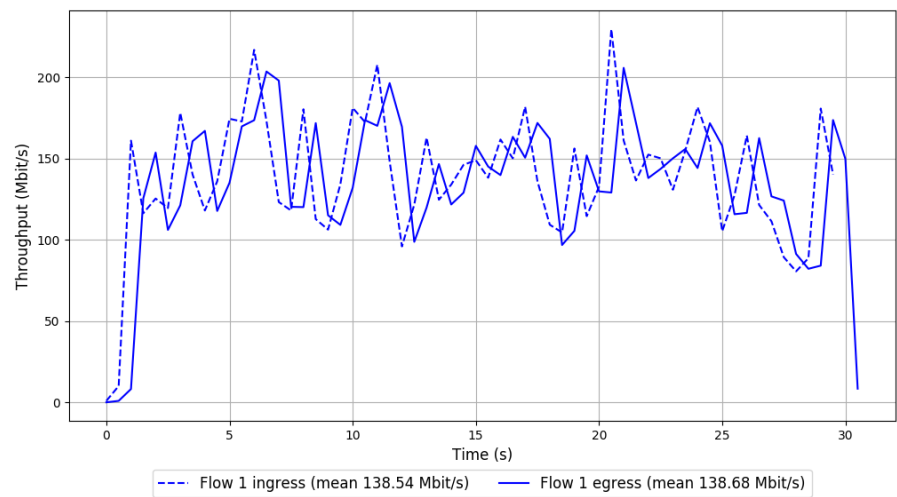


Run 3: Statistics of Copa

Start at: 2018-06-30 11:33:48
End at: 2018-06-30 11:34:18
Local clock offset: -0.007 ms
Remote clock offset: 1.404 ms

Below is generated by plot.py at 2018-06-30 14:38:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 138.68 Mbit/s
95th percentile per-packet one-way delay: 66.530 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 138.68 Mbit/s
95th percentile per-packet one-way delay: 66.530 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

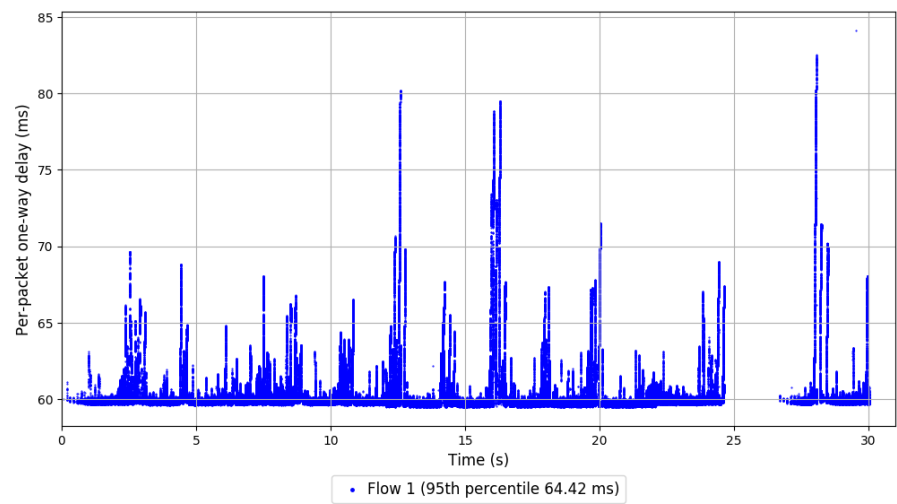
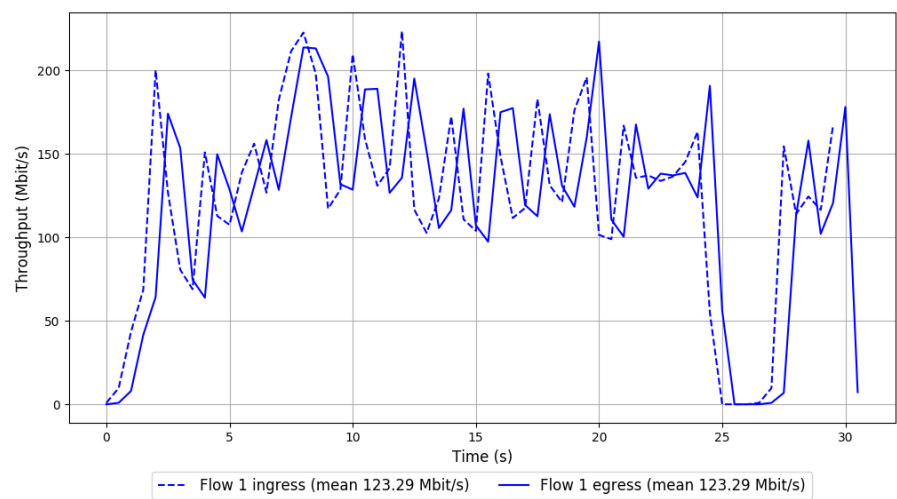


Run 4: Statistics of Copa

Start at: 2018-06-30 11:55:04
End at: 2018-06-30 11:55:34
Local clock offset: -0.086 ms
Remote clock offset: -1.354 ms

Below is generated by plot.py at 2018-06-30 14:38:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 123.29 Mbit/s
95th percentile per-packet one-way delay: 64.425 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 123.29 Mbit/s
95th percentile per-packet one-way delay: 64.425 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

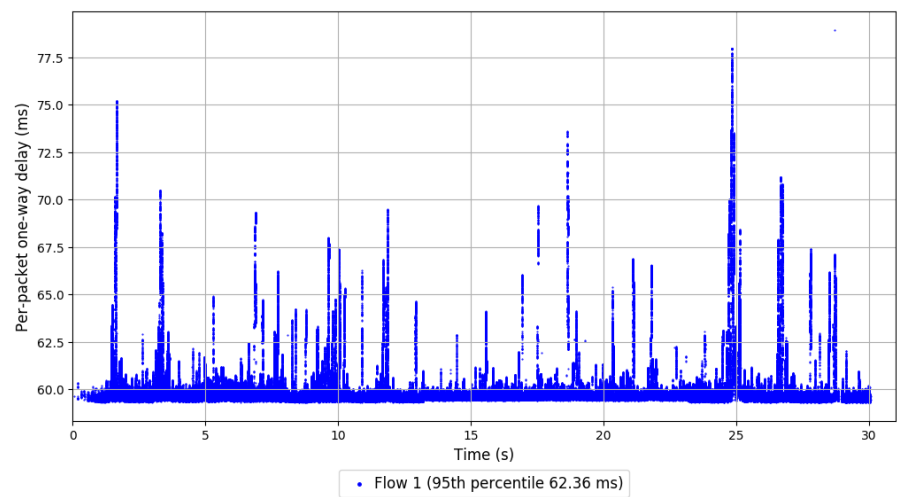
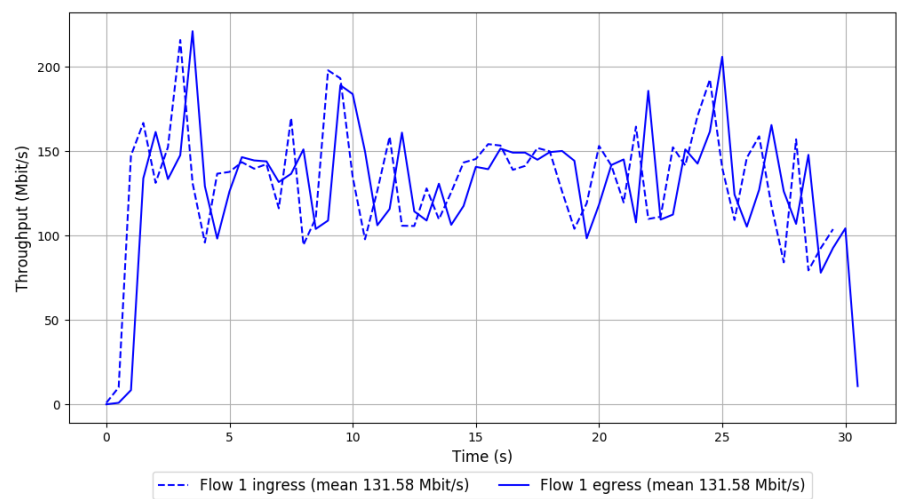


Run 5: Statistics of Copa

Start at: 2018-06-30 12:16:23
End at: 2018-06-30 12:16:53
Local clock offset: -0.034 ms
Remote clock offset: -1.506 ms

Below is generated by plot.py at 2018-06-30 14:38:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 131.58 Mbit/s
95th percentile per-packet one-way delay: 62.361 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 131.58 Mbit/s
95th percentile per-packet one-way delay: 62.361 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

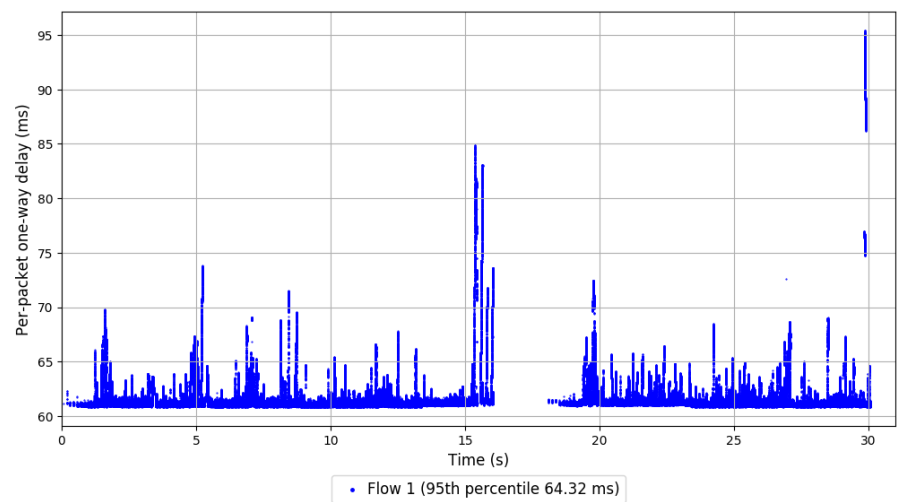
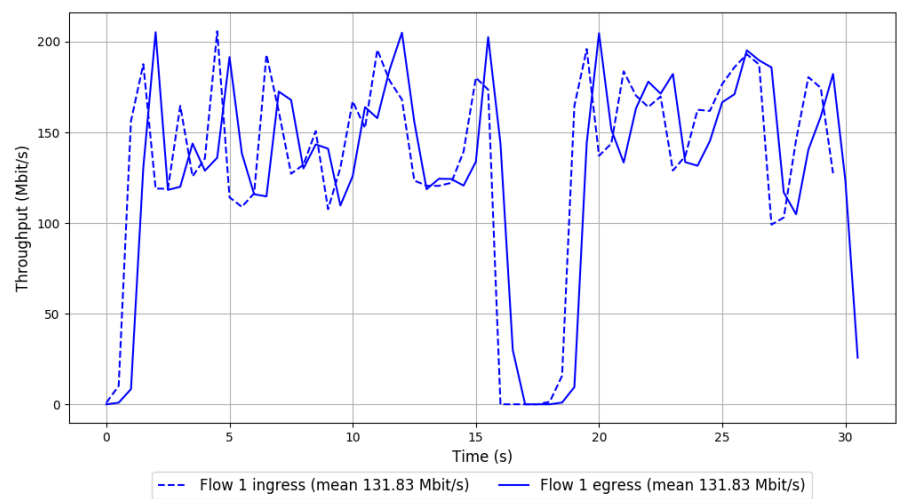


Run 6: Statistics of Copa

Start at: 2018-06-30 12:37:33
End at: 2018-06-30 12:38:03
Local clock offset: -0.035 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-06-30 14:38:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 131.83 Mbit/s
95th percentile per-packet one-way delay: 64.320 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 131.83 Mbit/s
95th percentile per-packet one-way delay: 64.320 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-06-30 12:58:45

End at: 2018-06-30 12:59:15

Local clock offset: -0.007 ms

Remote clock offset: 0.867 ms

Below is generated by plot.py at 2018-06-30 14:40:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 103.55 Mbit/s

95th percentile per-packet one-way delay: 65.618 ms

Loss rate: 0.00%

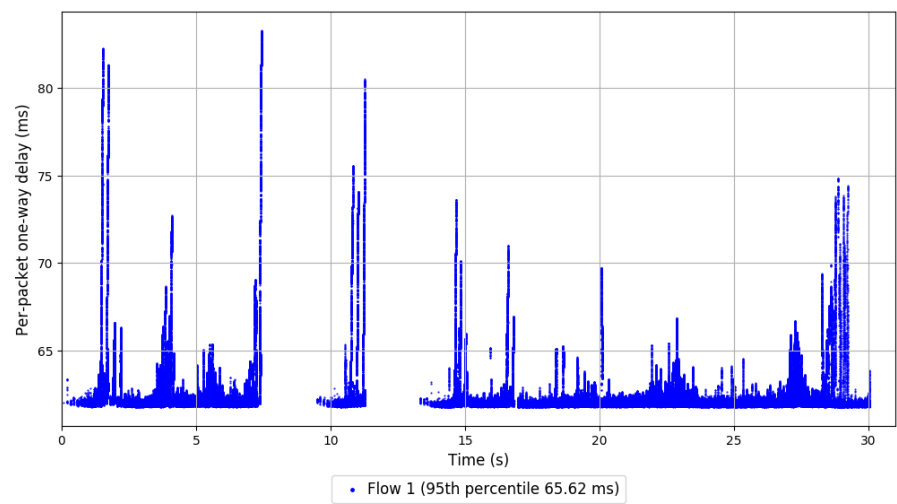
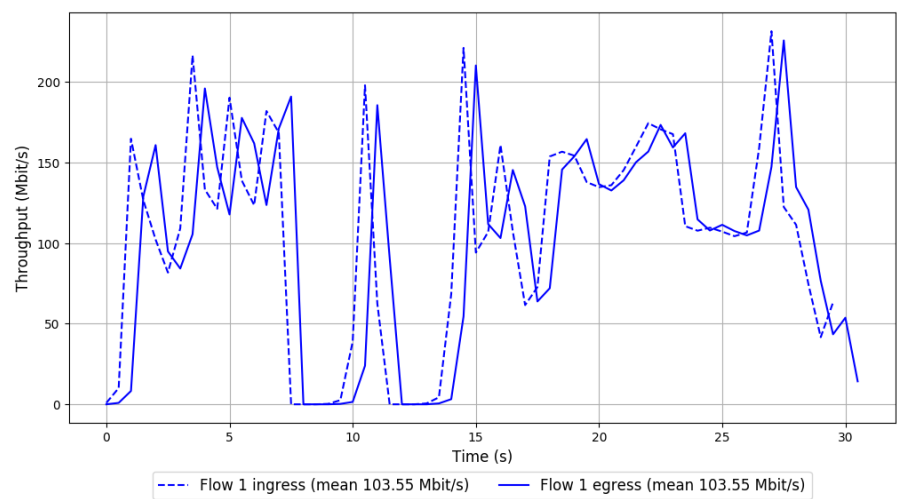
-- Flow 1:

Average throughput: 103.55 Mbit/s

95th percentile per-packet one-way delay: 65.618 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

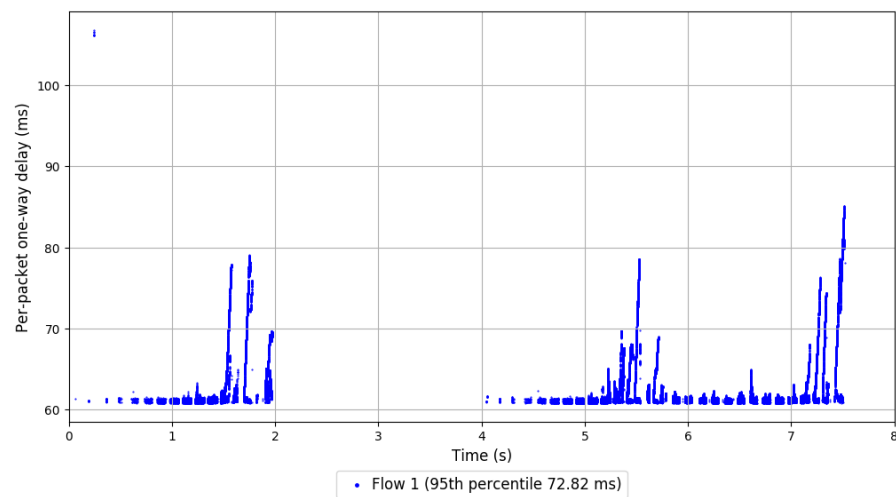
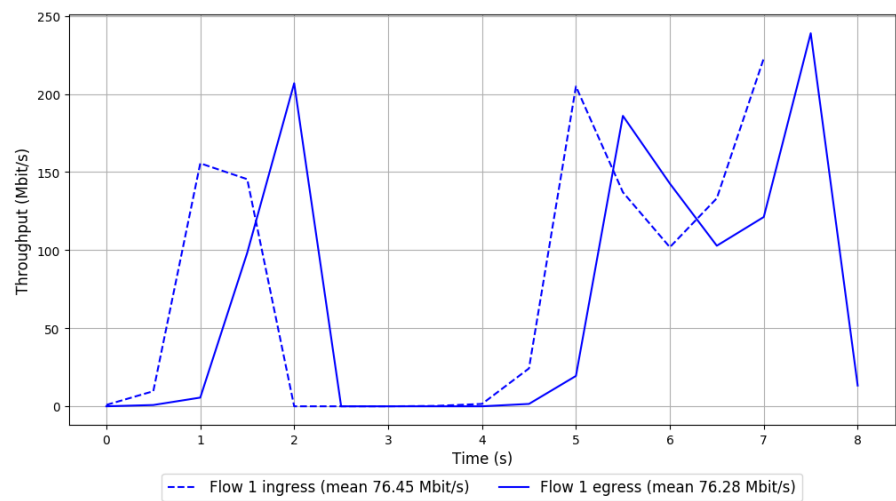
Start at: 2018-06-30 13:20:06

End at: 2018-06-30 13:20:36

Local clock offset: -0.006 ms

Remote clock offset: 0.113 ms

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-06-30 13:41:14

End at: 2018-06-30 13:41:44

Local clock offset: -0.066 ms

Remote clock offset: 1.298 ms

Below is generated by plot.py at 2018-06-30 14:41:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 124.45 Mbit/s

95th percentile per-packet one-way delay: 65.968 ms

Loss rate: 0.00%

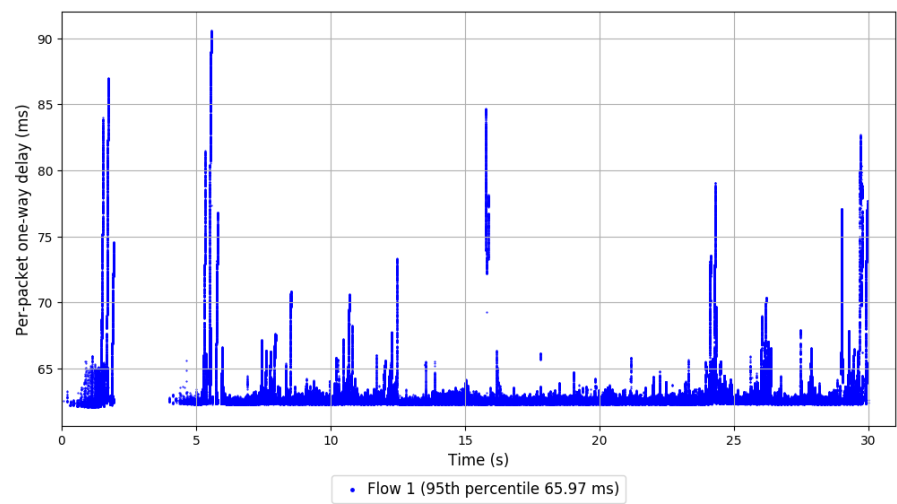
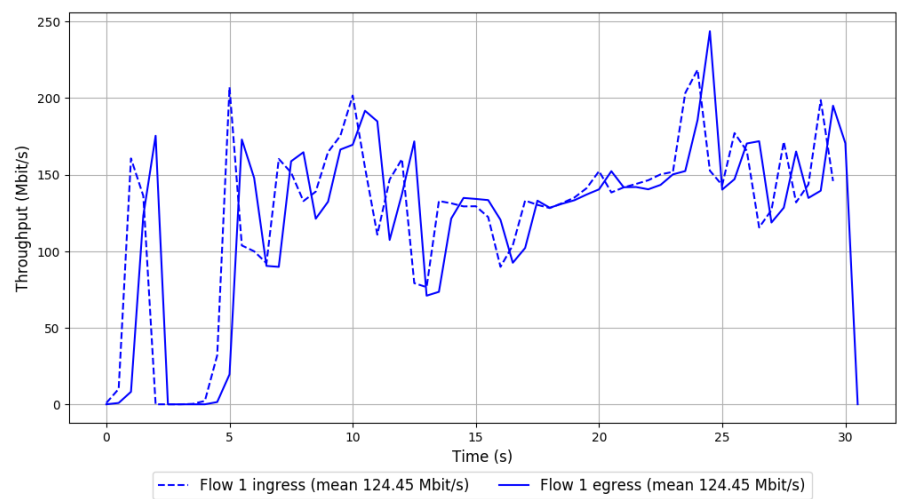
-- Flow 1:

Average throughput: 124.45 Mbit/s

95th percentile per-packet one-way delay: 65.968 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-06-30 14:02:27

End at: 2018-06-30 14:02:57

Local clock offset: -0.15 ms

Remote clock offset: 1.346 ms

Below is generated by plot.py at 2018-06-30 14:42:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 138.32 Mbit/s

95th percentile per-packet one-way delay: 65.467 ms

Loss rate: 0.00%

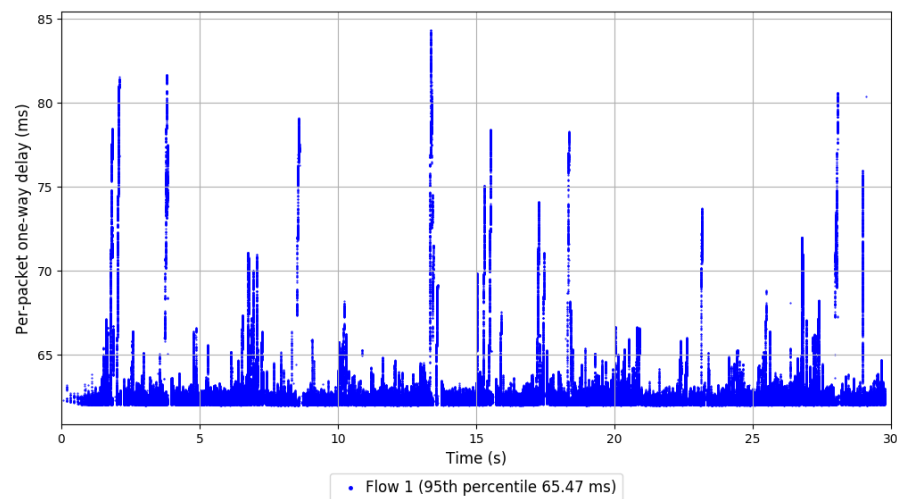
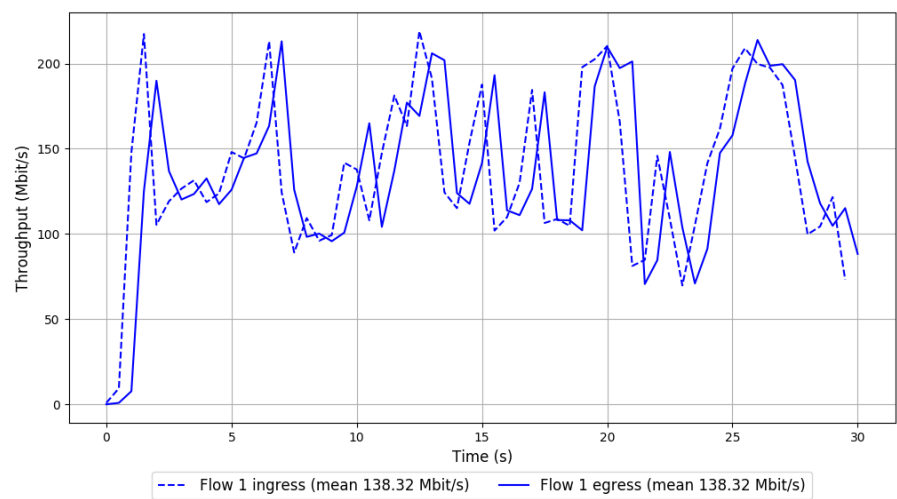
-- Flow 1:

Average throughput: 138.32 Mbit/s

95th percentile per-packet one-way delay: 65.467 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

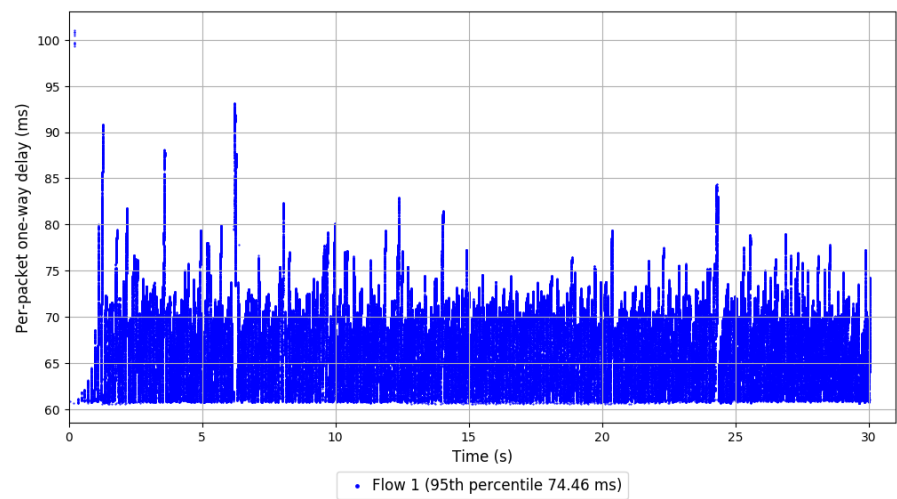
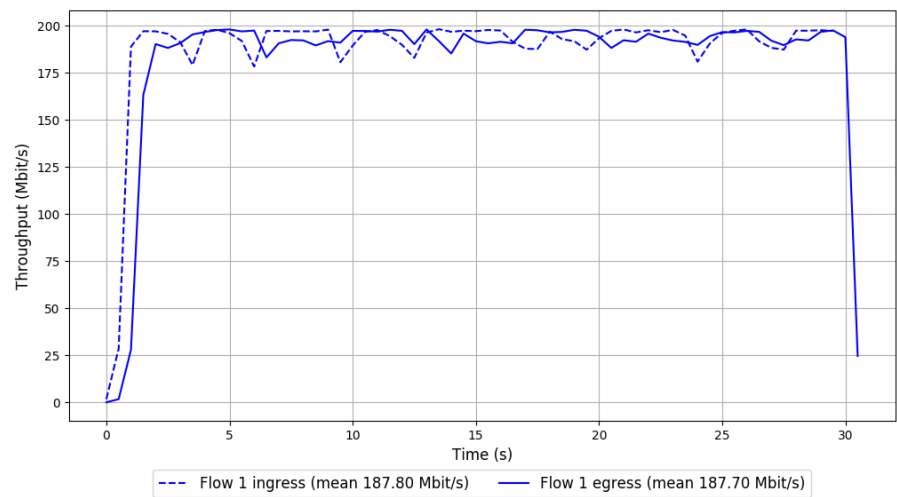


Run 1: Statistics of TCP Cubic

Start at: 2018-06-30 10:48:23
End at: 2018-06-30 10:48:53
Local clock offset: 0.034 ms
Remote clock offset: -0.238 ms

Below is generated by plot.py at 2018-06-30 14:42:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.70 Mbit/s
95th percentile per-packet one-way delay: 74.456 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 187.70 Mbit/s
95th percentile per-packet one-way delay: 74.456 ms
Loss rate: 0.03%

Run 1: Report of TCP Cubic — Data Link

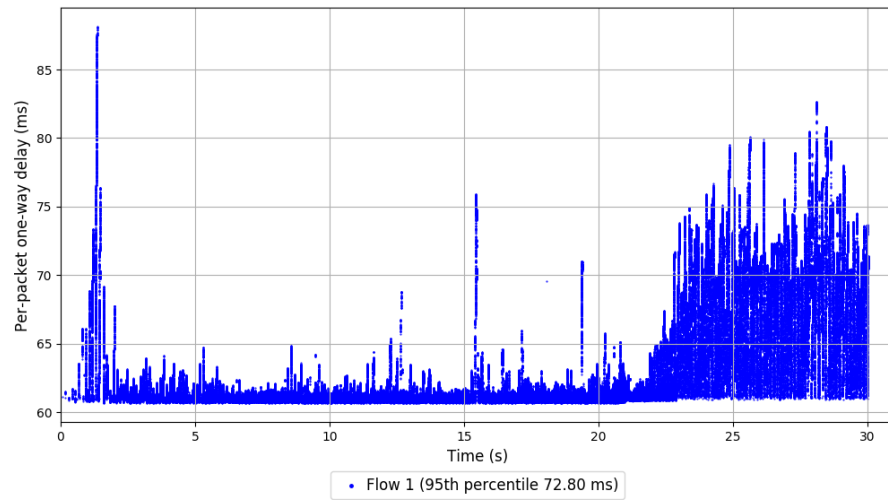
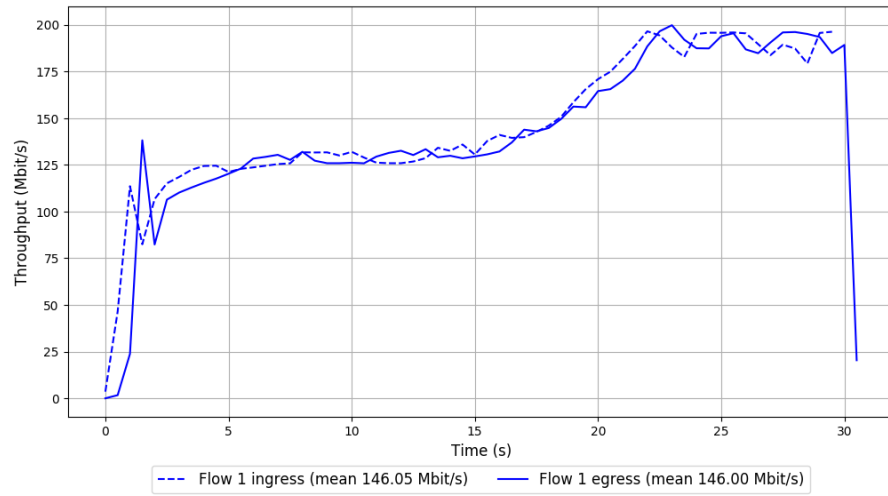


Run 2: Statistics of TCP Cubic

Start at: 2018-06-30 11:09:55
End at: 2018-06-30 11:10:25
Local clock offset: 0.041 ms
Remote clock offset: -0.224 ms

Below is generated by plot.py at 2018-06-30 14:42:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 146.00 Mbit/s
95th percentile per-packet one-way delay: 72.799 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 146.00 Mbit/s
95th percentile per-packet one-way delay: 72.799 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-06-30 11:31:17

End at: 2018-06-30 11:31:47

Local clock offset: -0.042 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-06-30 14:42:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.41 Mbit/s

95th percentile per-packet one-way delay: 74.563 ms

Loss rate: 0.00%

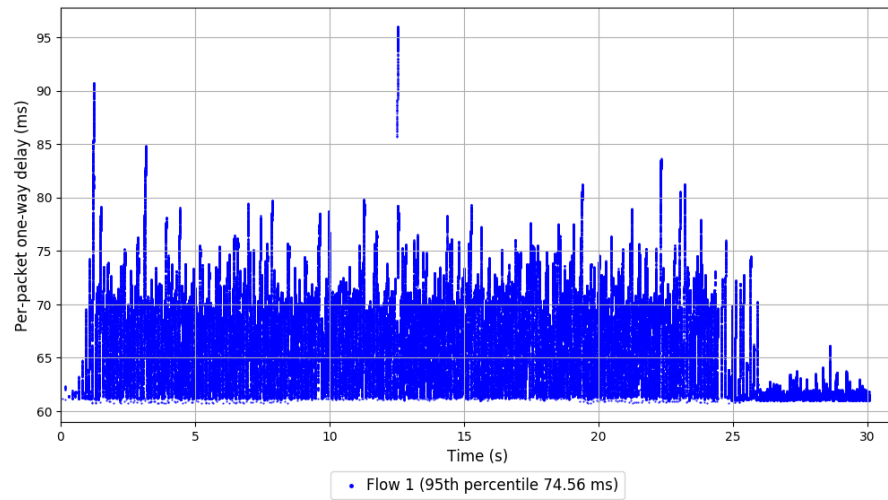
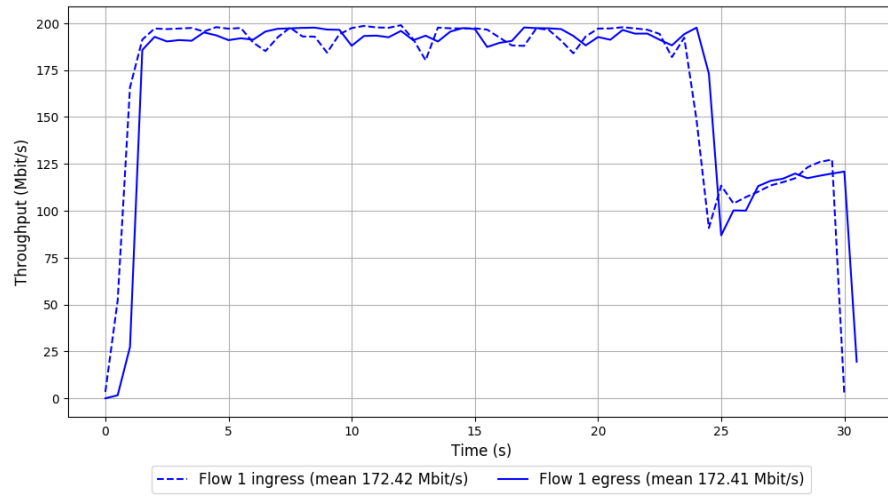
-- Flow 1:

Average throughput: 172.41 Mbit/s

95th percentile per-packet one-way delay: 74.563 ms

Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link

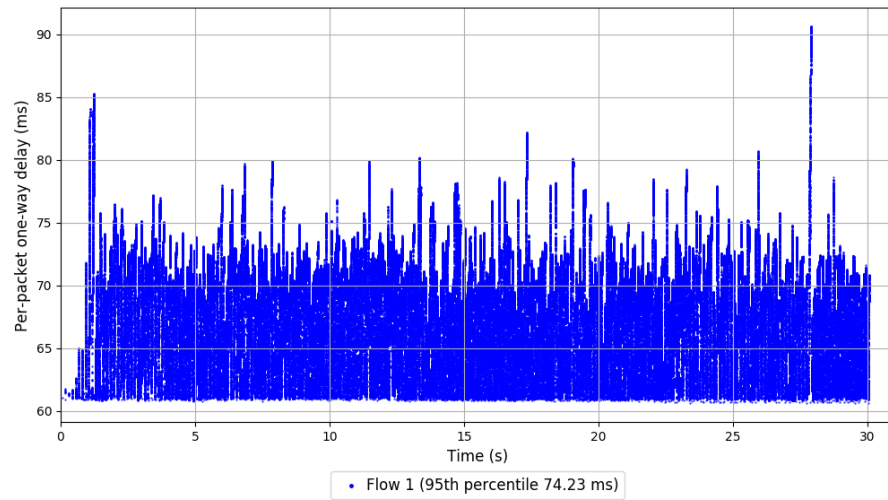
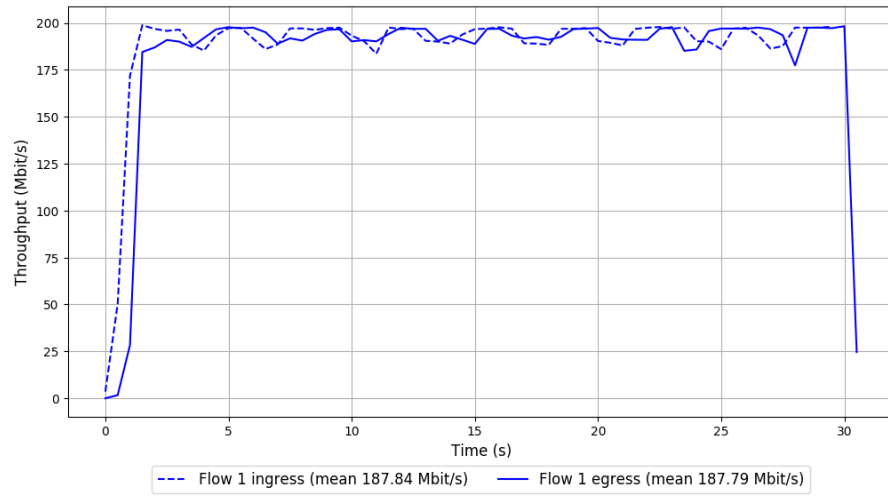


Run 4: Statistics of TCP Cubic

Start at: 2018-06-30 11:52:34
End at: 2018-06-30 11:53:04
Local clock offset: -0.063 ms
Remote clock offset: -0.224 ms

Below is generated by plot.py at 2018-06-30 14:42:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.79 Mbit/s
95th percentile per-packet one-way delay: 74.230 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 187.79 Mbit/s
95th percentile per-packet one-way delay: 74.230 ms
Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link

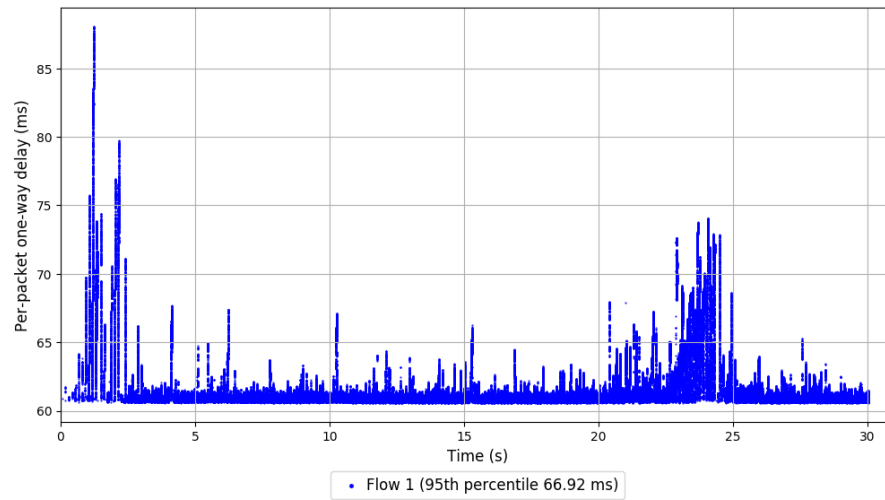
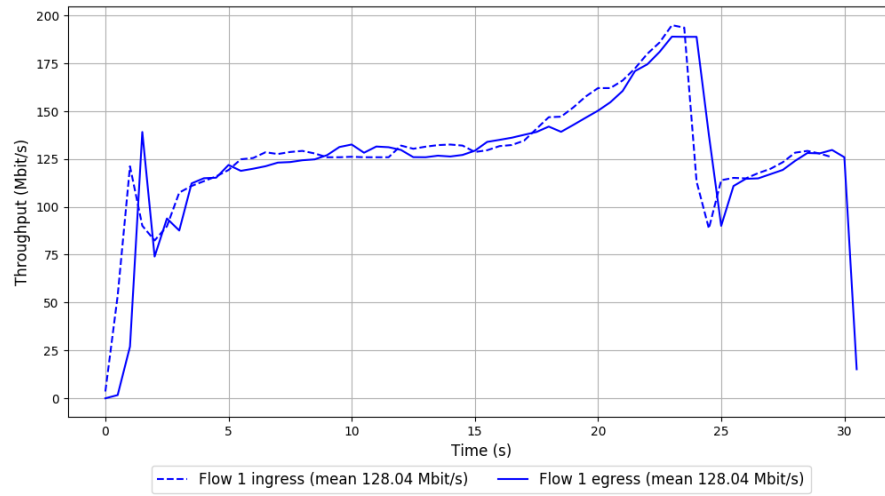


Run 5: Statistics of TCP Cubic

Start at: 2018-06-30 12:13:56
End at: 2018-06-30 12:14:26
Local clock offset: -0.016 ms
Remote clock offset: -0.384 ms

Below is generated by plot.py at 2018-06-30 14:42:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 128.04 Mbit/s
95th percentile per-packet one-way delay: 66.923 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 128.04 Mbit/s
95th percentile per-packet one-way delay: 66.923 ms
Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-06-30 12:35:06

End at: 2018-06-30 12:35:36

Local clock offset: -0.01 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2018-06-30 14:43:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 127.49 Mbit/s

95th percentile per-packet one-way delay: 71.943 ms

Loss rate: 0.00%

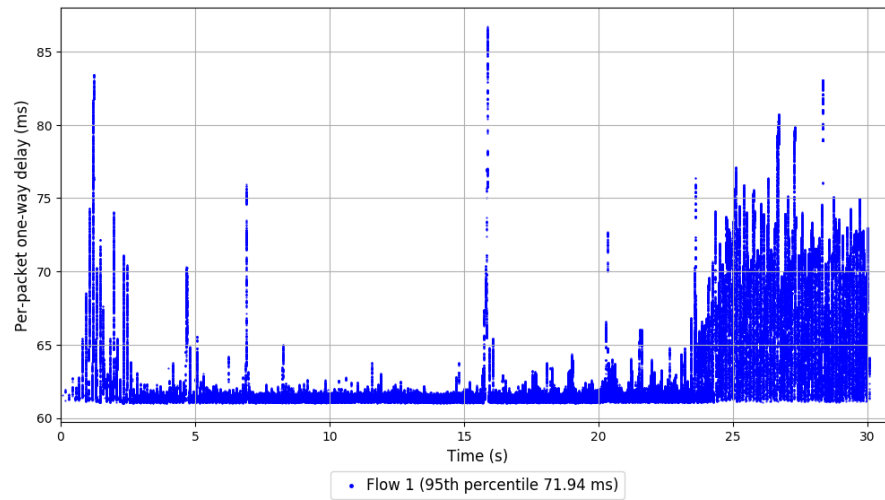
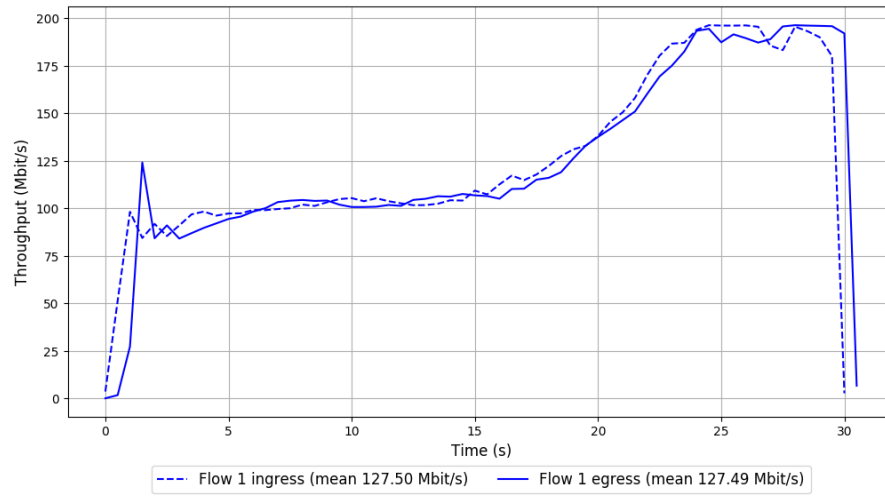
-- Flow 1:

Average throughput: 127.49 Mbit/s

95th percentile per-packet one-way delay: 71.943 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link

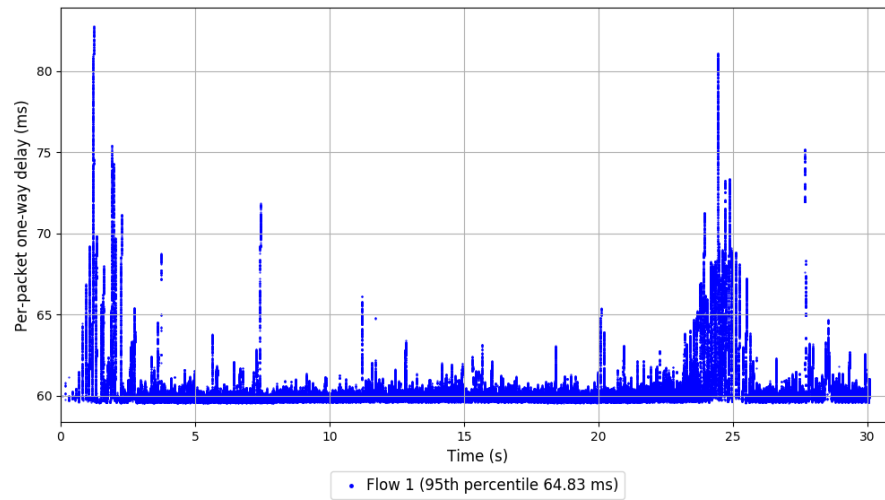
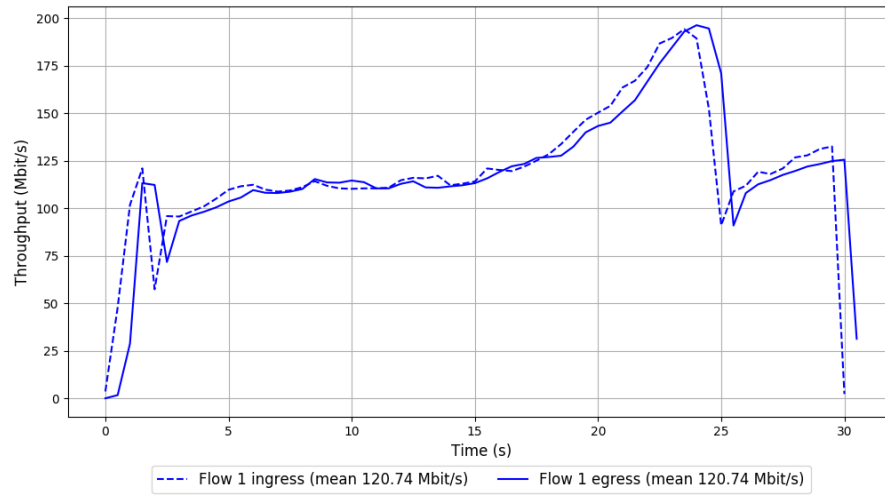


Run 7: Statistics of TCP Cubic

Start at: 2018-06-30 12:56:18
End at: 2018-06-30 12:56:48
Local clock offset: -0.014 ms
Remote clock offset: -1.467 ms

Below is generated by plot.py at 2018-06-30 14:43:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 120.74 Mbit/s
95th percentile per-packet one-way delay: 64.830 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 120.74 Mbit/s
95th percentile per-packet one-way delay: 64.830 ms
Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-06-30 13:17:39

End at: 2018-06-30 13:18:09

Local clock offset: 0.007 ms

Remote clock offset: 0.952 ms

Below is generated by plot.py at 2018-06-30 14:43:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 133.93 Mbit/s

95th percentile per-packet one-way delay: 66.581 ms

Loss rate: 0.00%

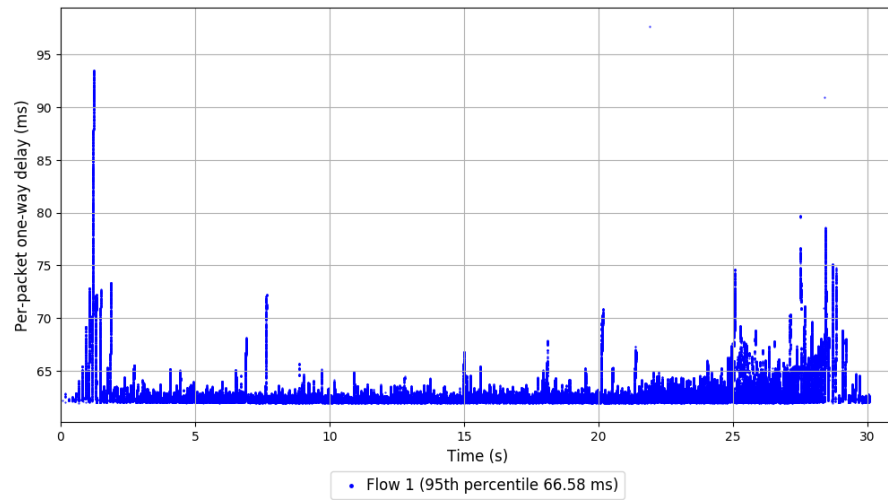
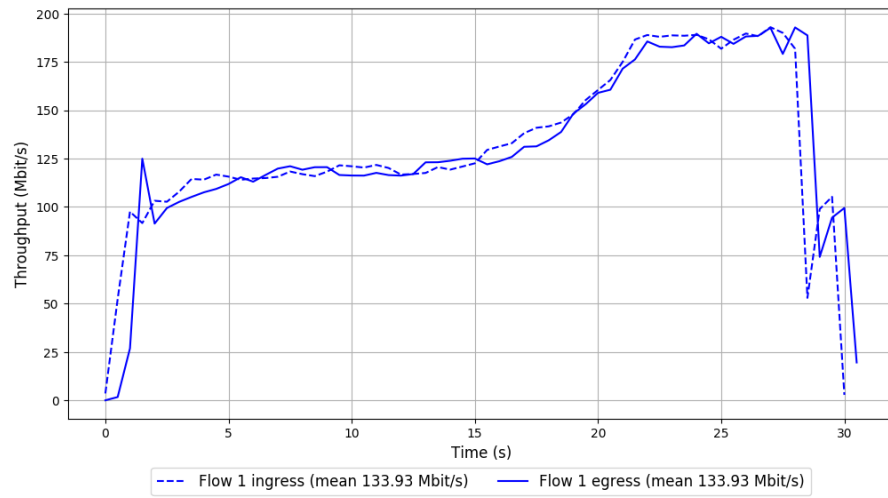
-- Flow 1:

Average throughput: 133.93 Mbit/s

95th percentile per-packet one-way delay: 66.581 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link

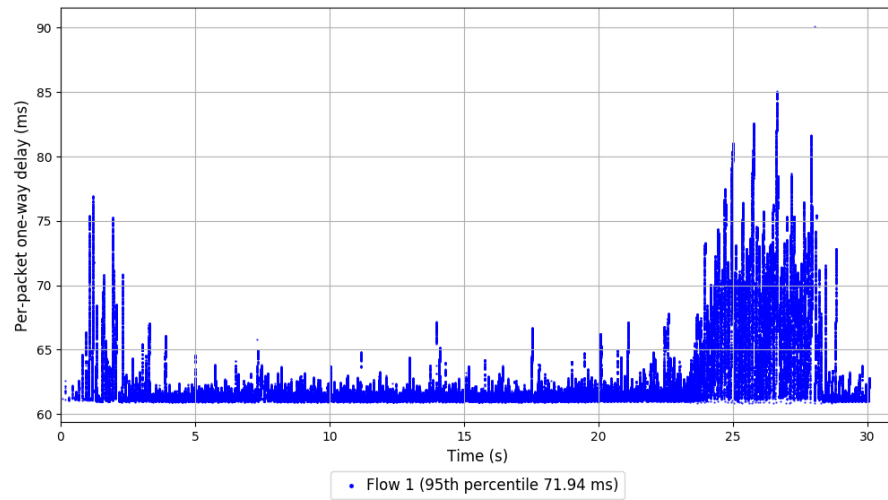
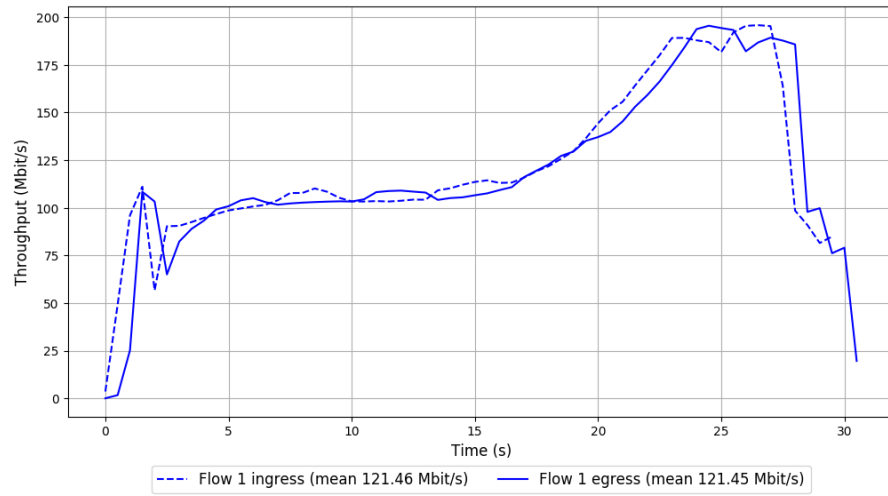


Run 9: Statistics of TCP Cubic

Start at: 2018-06-30 13:38:47
End at: 2018-06-30 13:39:17
Local clock offset: -0.014 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-06-30 14:43:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 121.45 Mbit/s
95th percentile per-packet one-way delay: 71.936 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 121.45 Mbit/s
95th percentile per-packet one-way delay: 71.936 ms
Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-06-30 13:59:55

End at: 2018-06-30 14:00:25

Local clock offset: -0.17 ms

Remote clock offset: 0.185 ms

Below is generated by plot.py at 2018-06-30 14:44:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.07 Mbit/s

95th percentile per-packet one-way delay: 72.855 ms

Loss rate: 0.01%

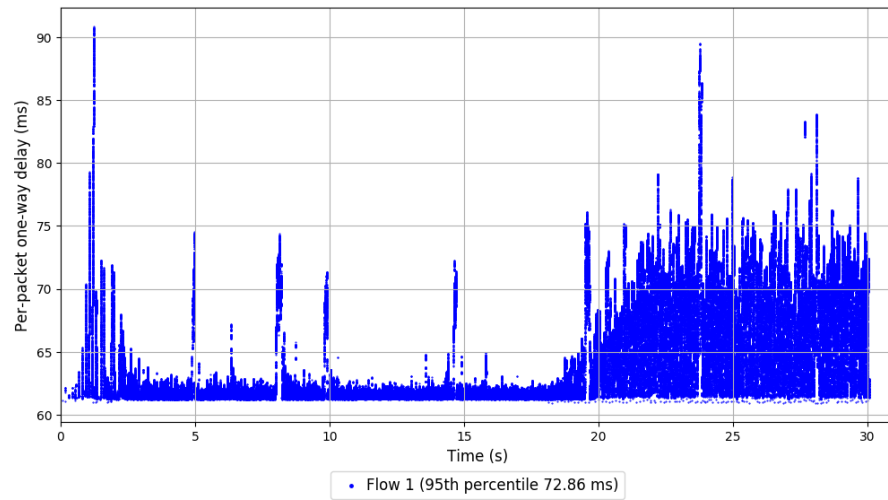
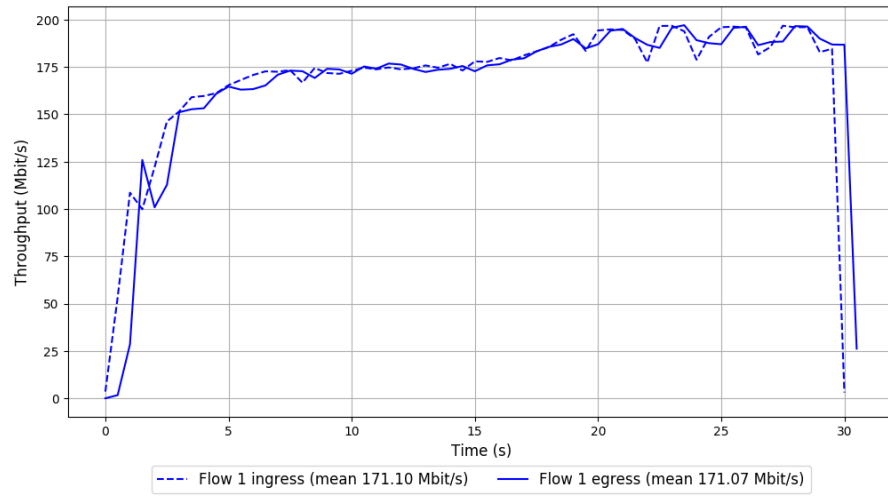
-- Flow 1:

Average throughput: 171.07 Mbit/s

95th percentile per-packet one-way delay: 72.855 ms

Loss rate: 0.01%

Run 10: Report of TCP Cubic — Data Link

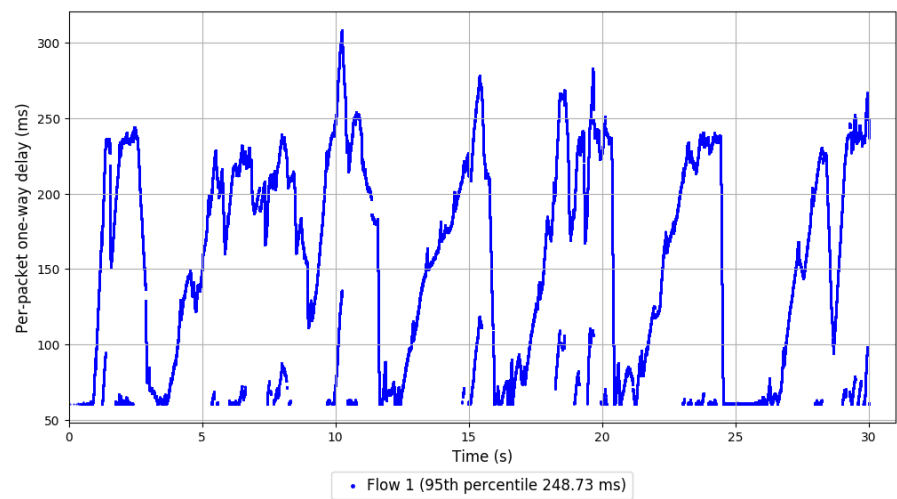
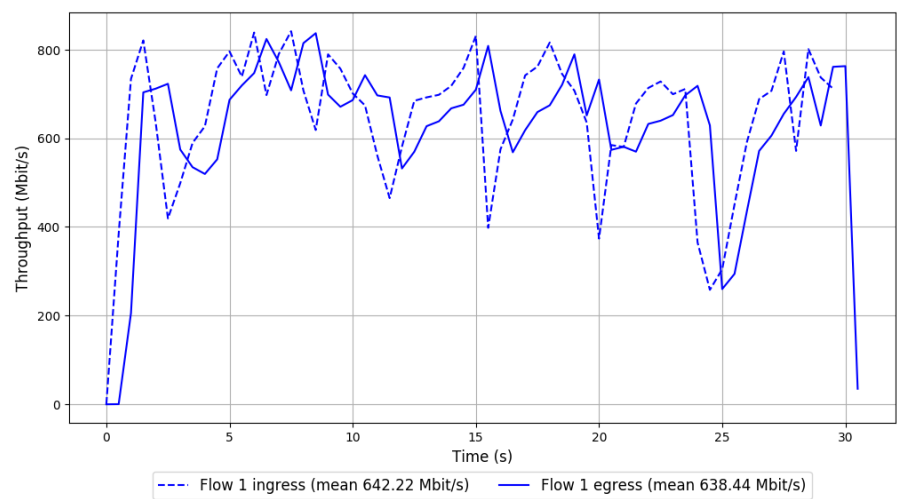


Run 1: Statistics of FillP

Start at: 2018-06-30 11:03:19
End at: 2018-06-30 11:03:49
Local clock offset: 0.042 ms
Remote clock offset: -0.233 ms

Below is generated by plot.py at 2018-06-30 14:57:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 638.44 Mbit/s
95th percentile per-packet one-way delay: 248.730 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 638.44 Mbit/s
95th percentile per-packet one-way delay: 248.730 ms
Loss rate: 0.58%

Run 1: Report of FillP — Data Link

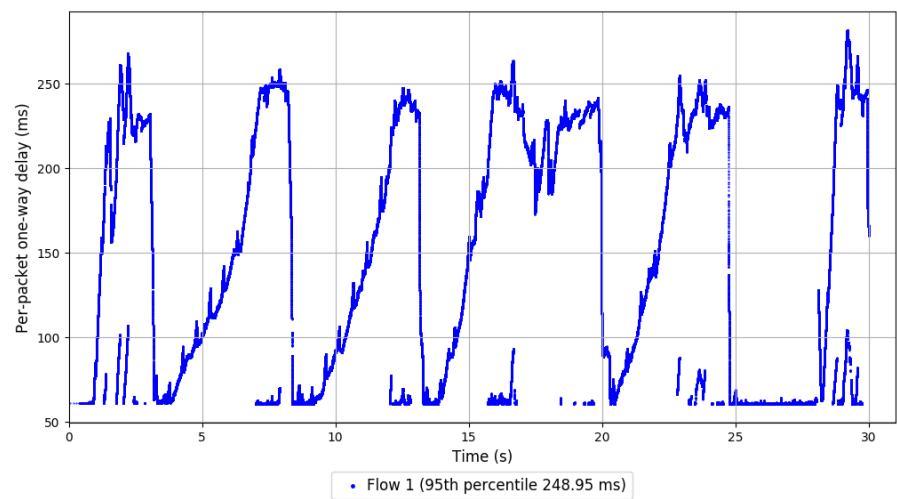
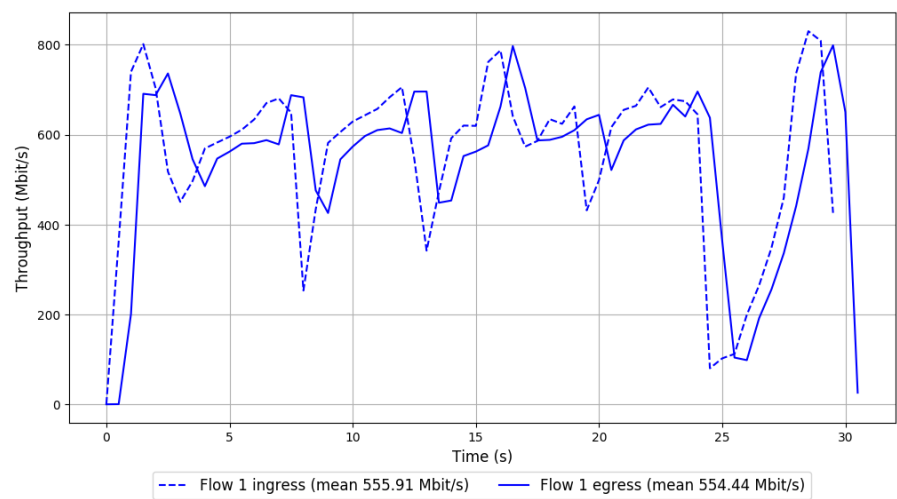


Run 2: Statistics of FillP

Start at: 2018-06-30 11:24:50
End at: 2018-06-30 11:25:20
Local clock offset: 0.034 ms
Remote clock offset: -0.302 ms

Below is generated by plot.py at 2018-06-30 14:57:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 554.44 Mbit/s
95th percentile per-packet one-way delay: 248.950 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 554.44 Mbit/s
95th percentile per-packet one-way delay: 248.950 ms
Loss rate: 0.26%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-06-30 11:46:08

End at: 2018-06-30 11:46:38

Local clock offset: -0.05 ms

Remote clock offset: 1.129 ms

Below is generated by plot.py at 2018-06-30 14:57:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 576.63 Mbit/s

95th percentile per-packet one-way delay: 251.168 ms

Loss rate: 1.22%

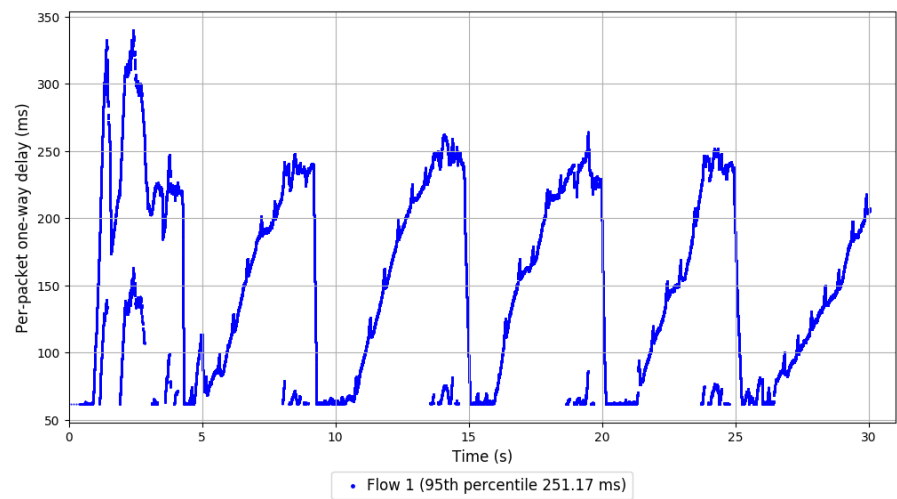
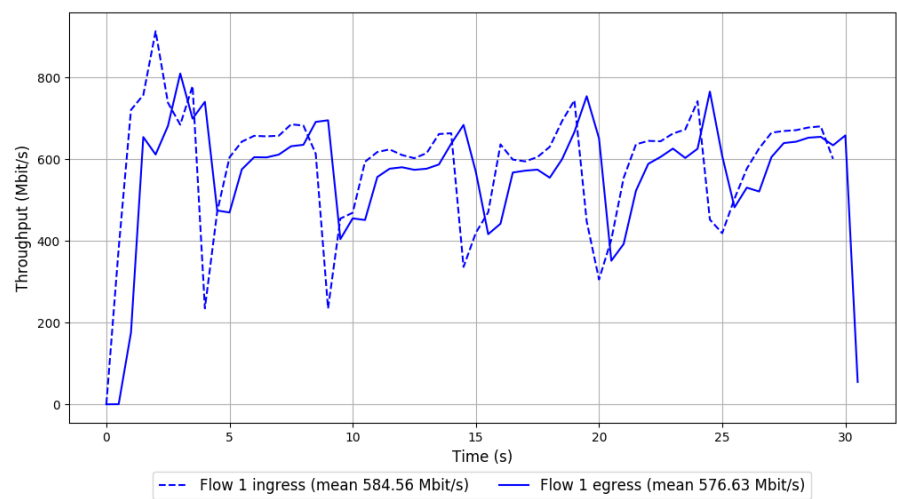
-- Flow 1:

Average throughput: 576.63 Mbit/s

95th percentile per-packet one-way delay: 251.168 ms

Loss rate: 1.22%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-06-30 12:07:25

End at: 2018-06-30 12:07:55

Local clock offset: -0.052 ms

Remote clock offset: 0.358 ms

Below is generated by plot.py at 2018-06-30 14:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 618.44 Mbit/s

95th percentile per-packet one-way delay: 240.095 ms

Loss rate: 0.57%

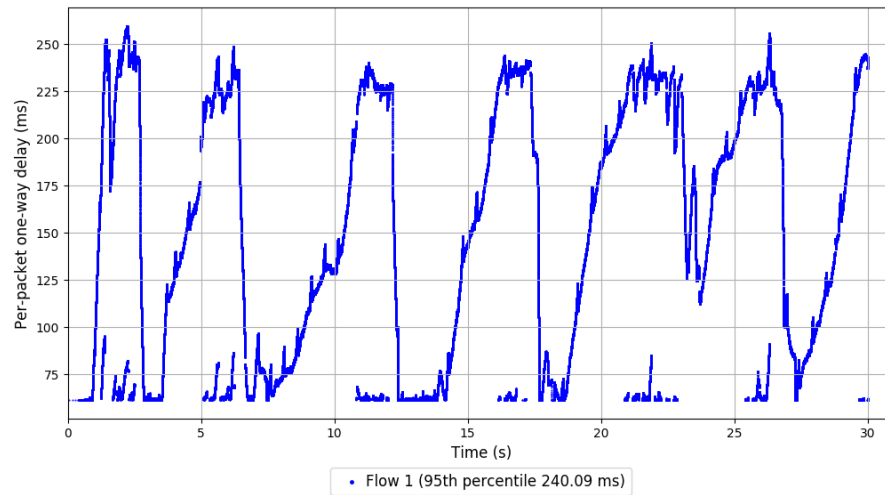
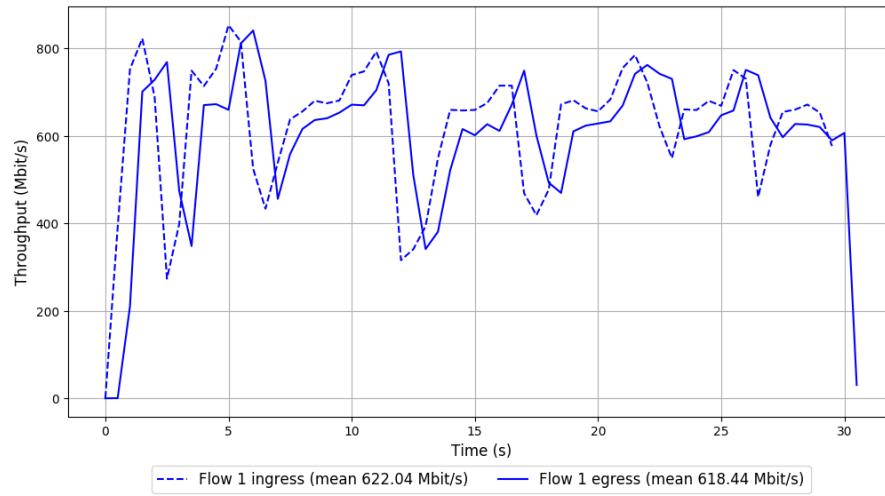
-- Flow 1:

Average throughput: 618.44 Mbit/s

95th percentile per-packet one-way delay: 240.095 ms

Loss rate: 0.57%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-06-30 12:28:40

End at: 2018-06-30 12:29:10

Local clock offset: -0.042 ms

Remote clock offset: 0.177 ms

Below is generated by plot.py at 2018-06-30 14:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 554.14 Mbit/s

95th percentile per-packet one-way delay: 246.685 ms

Loss rate: 0.11%

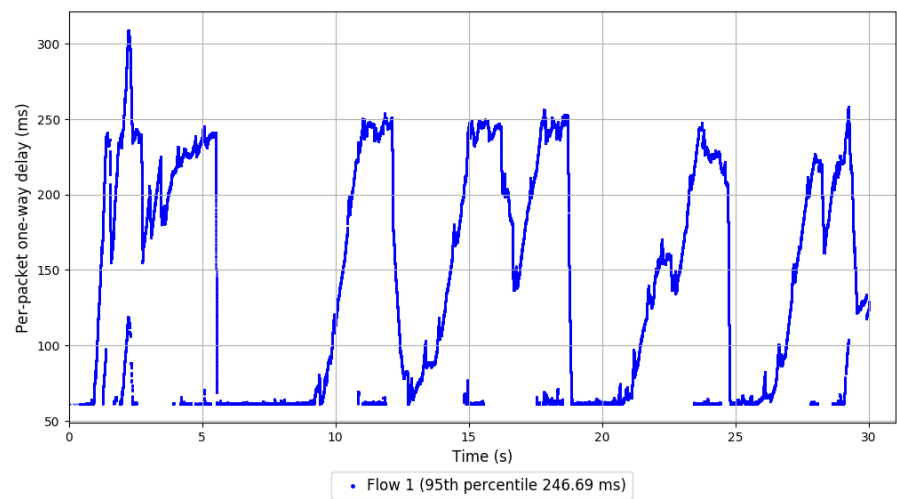
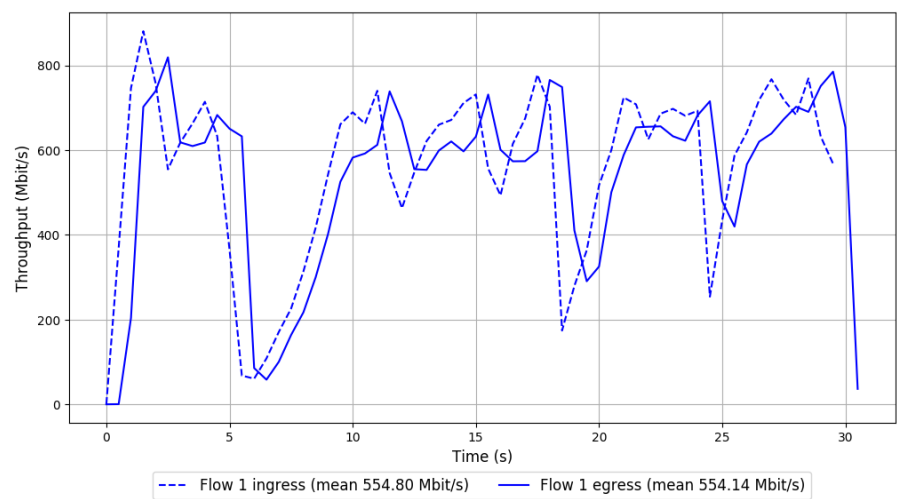
-- Flow 1:

Average throughput: 554.14 Mbit/s

95th percentile per-packet one-way delay: 246.685 ms

Loss rate: 0.11%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-06-30 12:49:49

End at: 2018-06-30 12:50:19

Local clock offset: 0.013 ms

Remote clock offset: 0.292 ms

Below is generated by plot.py at 2018-06-30 14:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 573.84 Mbit/s

95th percentile per-packet one-way delay: 242.732 ms

Loss rate: 0.09%

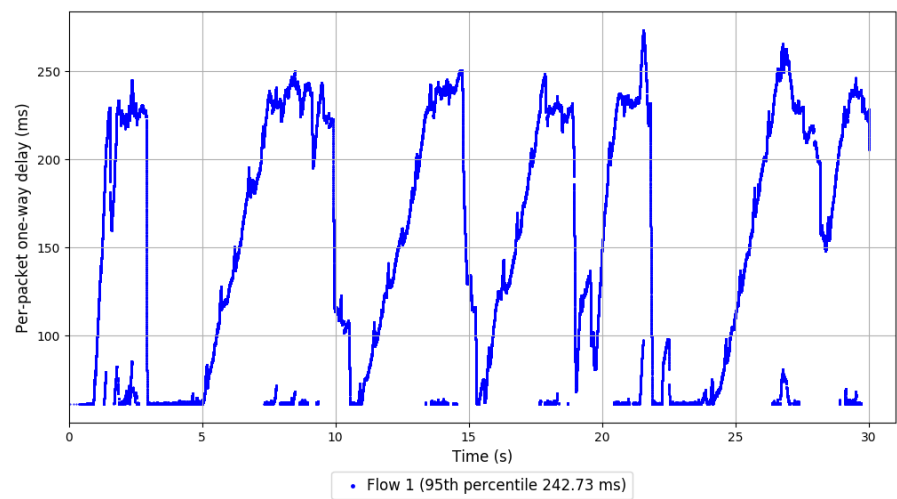
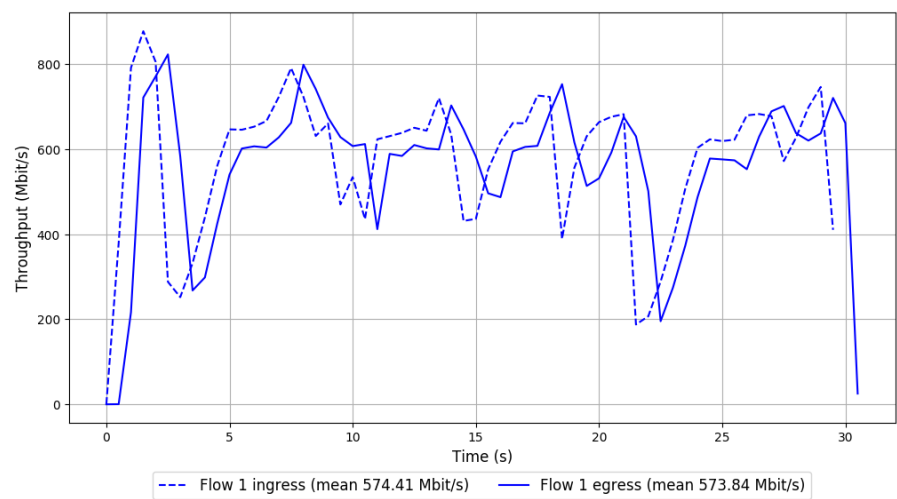
-- Flow 1:

Average throughput: 573.84 Mbit/s

95th percentile per-packet one-way delay: 242.732 ms

Loss rate: 0.09%

Run 6: Report of FillP — Data Link

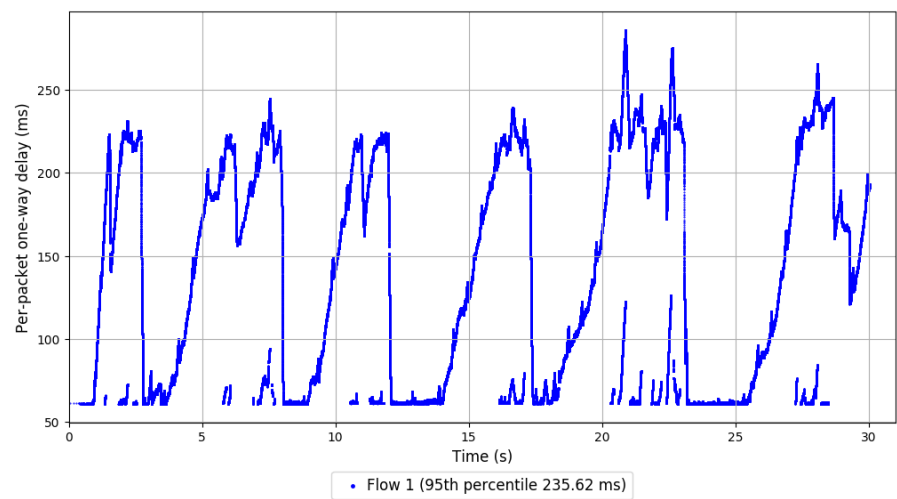
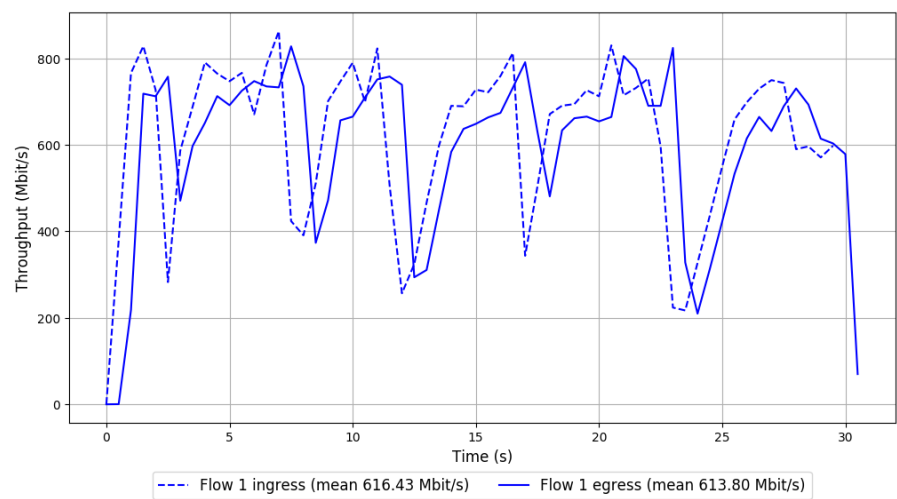


Run 7: Statistics of FillP

Start at: 2018-06-30 13:11:06
End at: 2018-06-30 13:11:36
Local clock offset: -0.047 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-06-30 14:58:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 613.80 Mbit/s
95th percentile per-packet one-way delay: 235.619 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 613.80 Mbit/s
95th percentile per-packet one-way delay: 235.619 ms
Loss rate: 0.34%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-06-30 13:32:12

End at: 2018-06-30 13:32:42

Local clock offset: -0.051 ms

Remote clock offset: 1.083 ms

Below is generated by plot.py at 2018-06-30 14:59:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 619.77 Mbit/s

95th percentile per-packet one-way delay: 252.572 ms

Loss rate: 0.11%

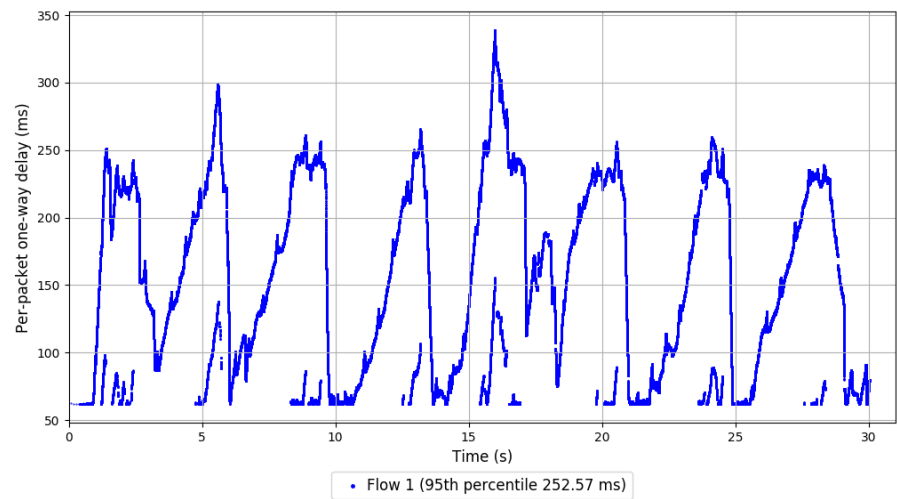
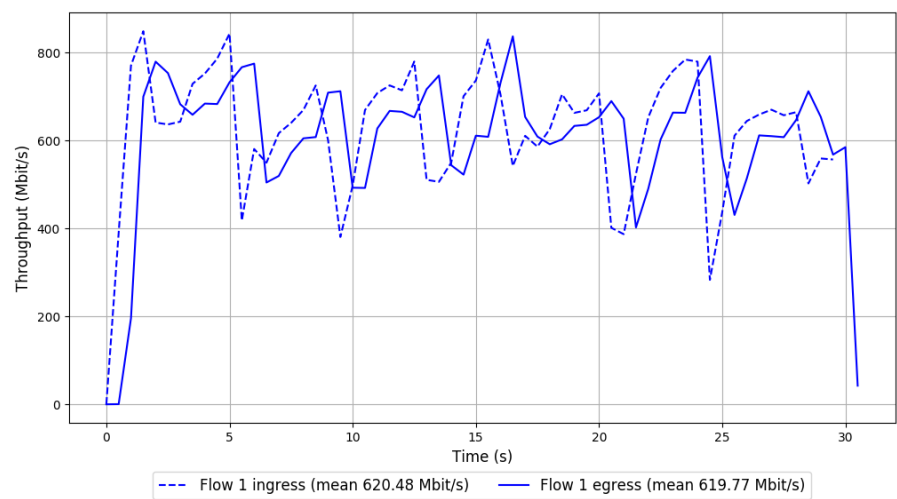
-- Flow 1:

Average throughput: 619.77 Mbit/s

95th percentile per-packet one-way delay: 252.572 ms

Loss rate: 0.11%

Run 8: Report of FillP — Data Link

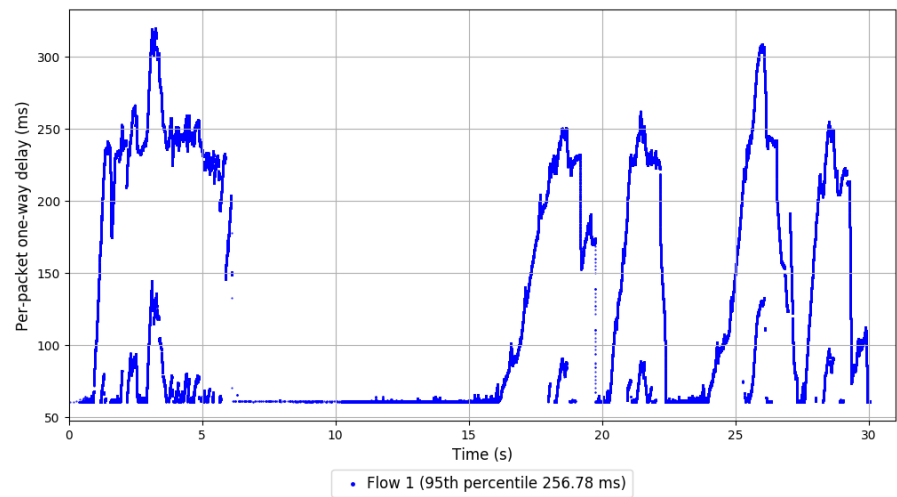
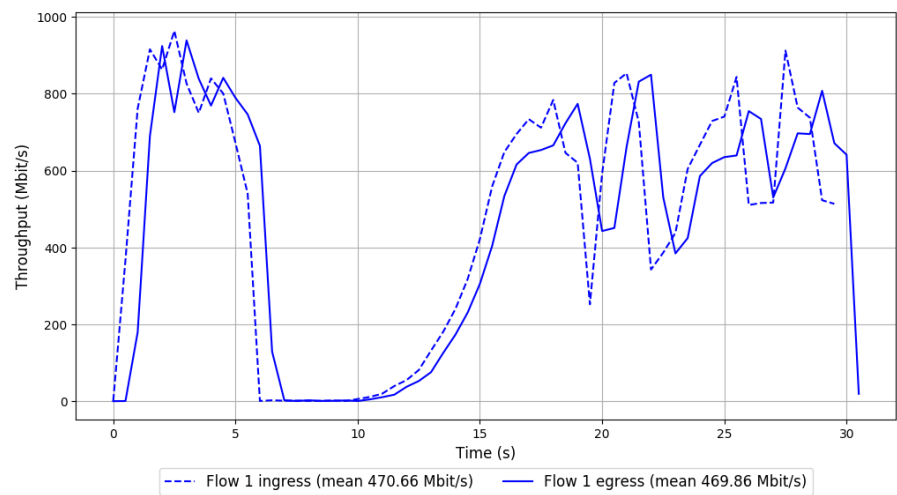


Run 9: Statistics of FillP

Start at: 2018-06-30 13:53:23
End at: 2018-06-30 13:53:53
Local clock offset: -0.118 ms
Remote clock offset: -0.229 ms

Below is generated by plot.py at 2018-06-30 15:06:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 469.86 Mbit/s
95th percentile per-packet one-way delay: 256.776 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 469.86 Mbit/s
95th percentile per-packet one-way delay: 256.776 ms
Loss rate: 0.17%

Run 9: Report of FillP — Data Link

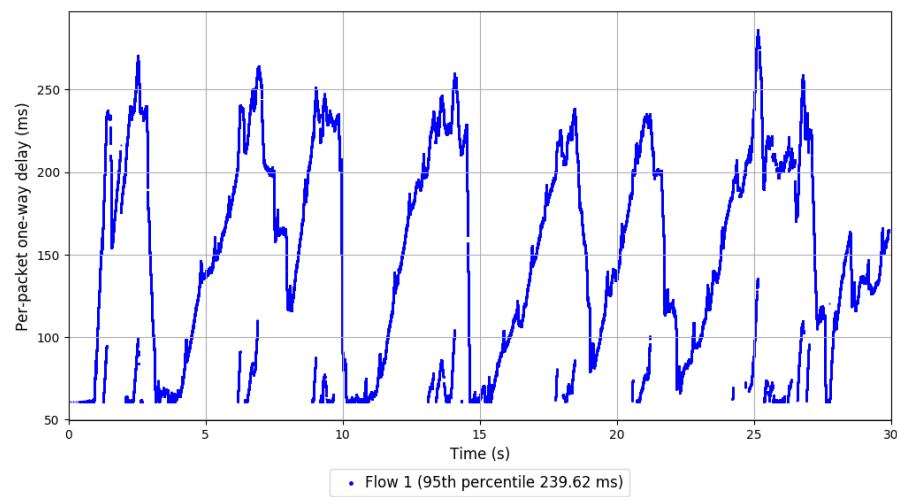
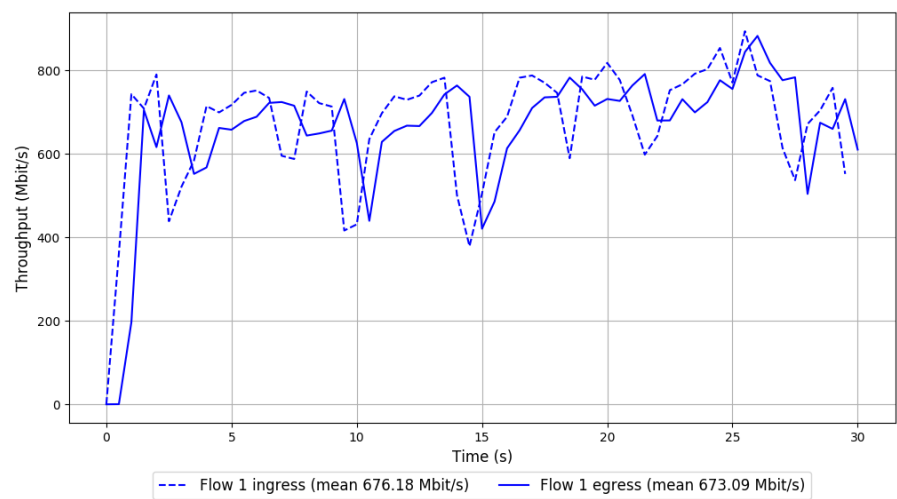


Run 10: Statistics of FillP

Start at: 2018-06-30 14:14:51
End at: 2018-06-30 14:15:21
Local clock offset: -0.166 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-06-30 15:12:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 673.09 Mbit/s
95th percentile per-packet one-way delay: 239.621 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 673.09 Mbit/s
95th percentile per-packet one-way delay: 239.621 ms
Loss rate: 0.45%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

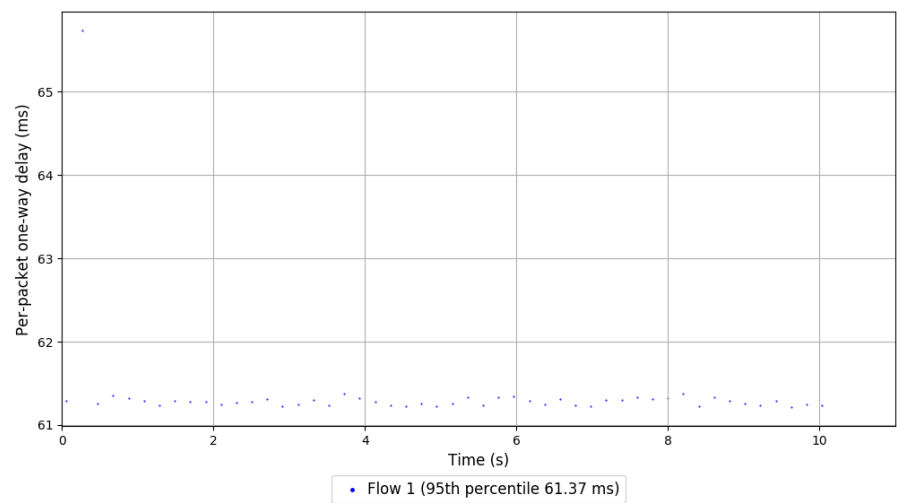
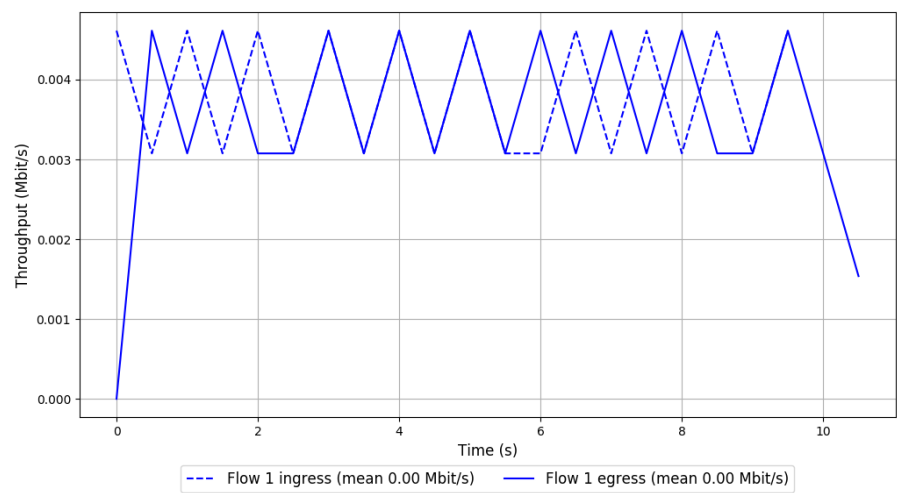
Start at: 2018-06-30 11:02:14

End at: 2018-06-30 11:02:44

Local clock offset: 0.026 ms

Remote clock offset: -0.157 ms

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

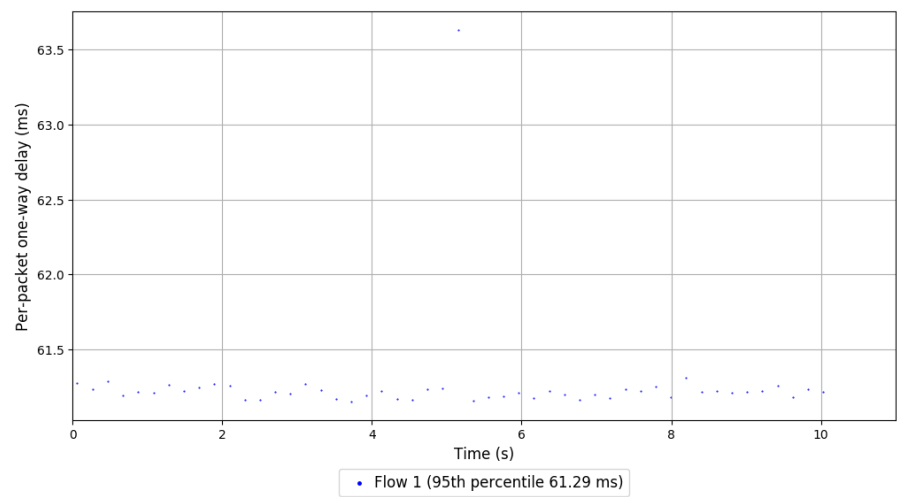
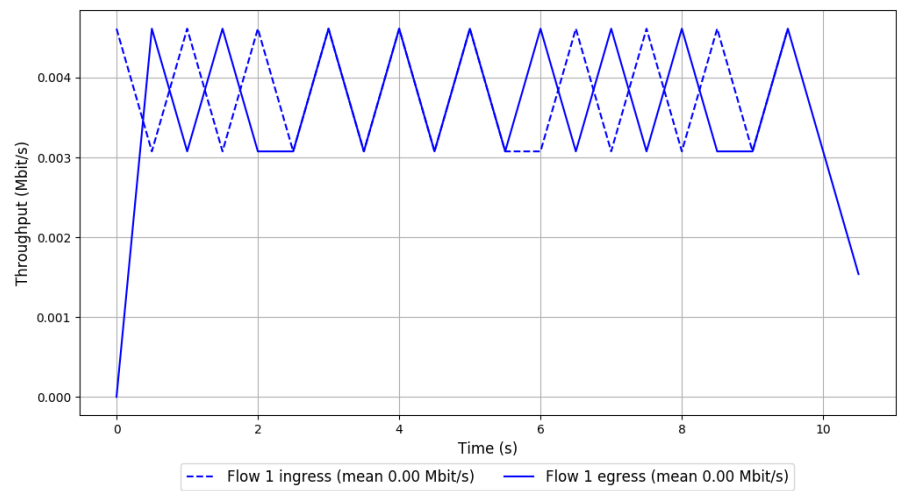
Start at: 2018-06-30 11:23:44

End at: 2018-06-30 11:24:14

Local clock offset: 0.085 ms

Remote clock offset: -0.038 ms

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

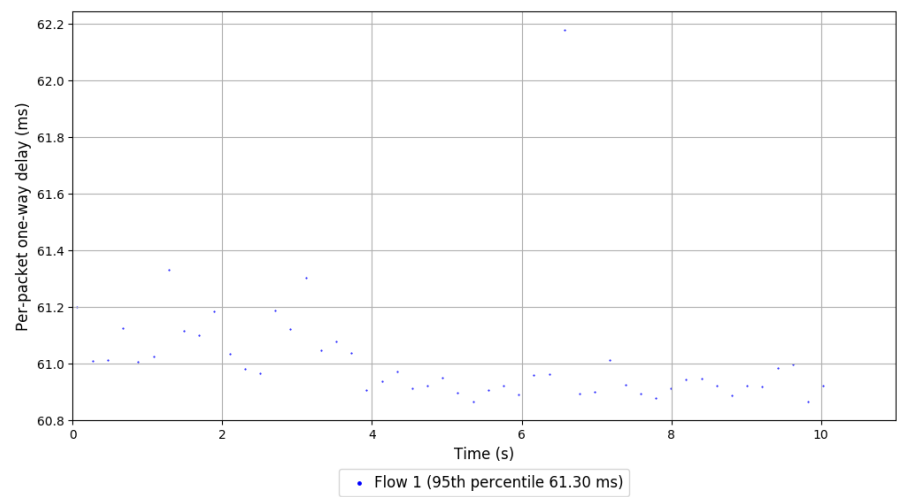
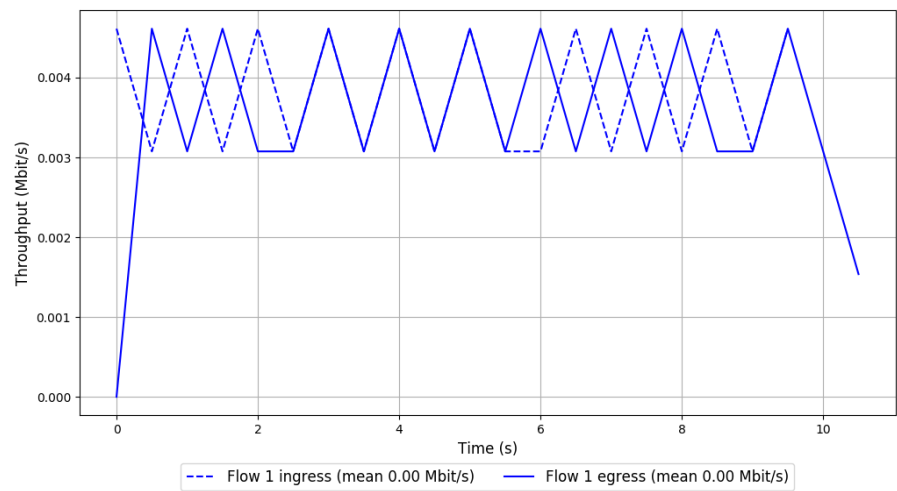
Start at: 2018-06-30 11:45:03

End at: 2018-06-30 11:45:33

Local clock offset: -0.032 ms

Remote clock offset: -0.151 ms

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

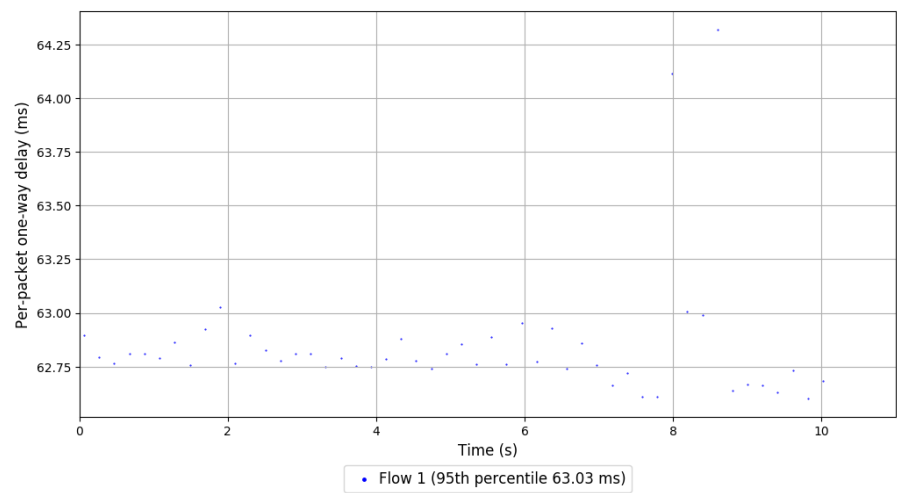
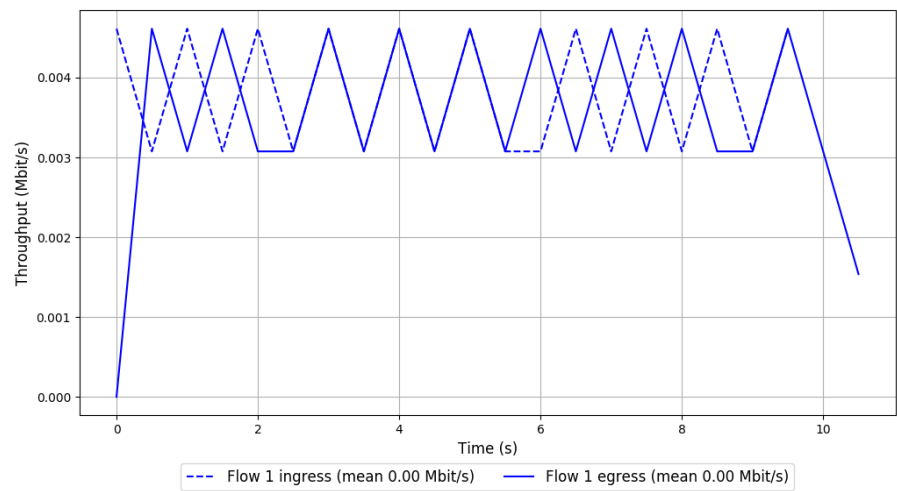
Start at: 2018-06-30 12:06:19

End at: 2018-06-30 12:06:49

Local clock offset: -0.042 ms

Remote clock offset: 1.509 ms

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

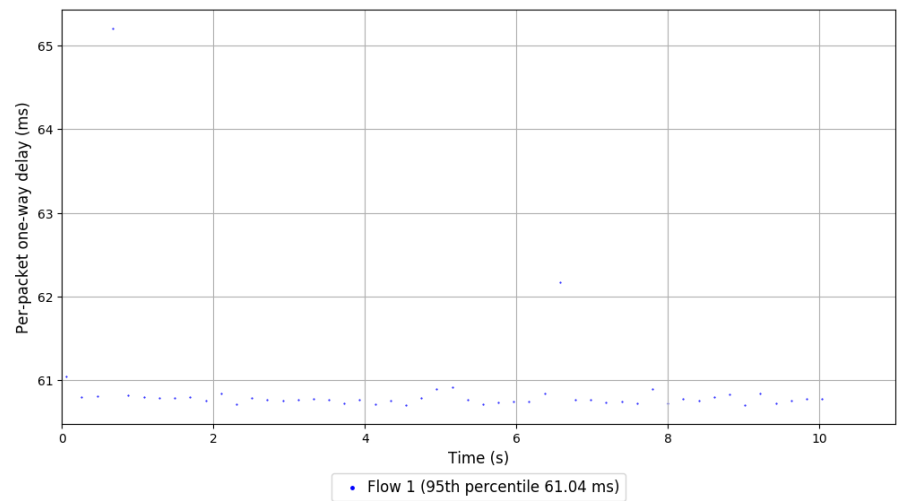
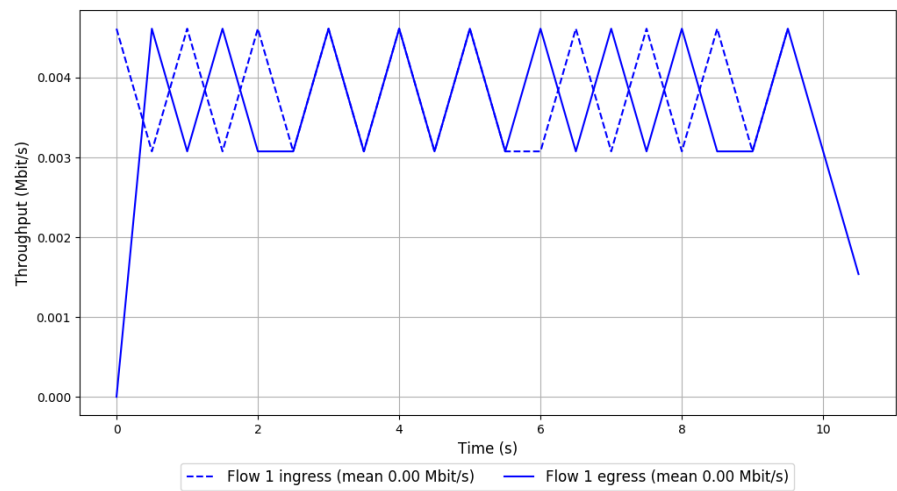
Start at: 2018-06-30 12:27:34

End at: 2018-06-30 12:28:04

Local clock offset: -0.018 ms

Remote clock offset: -0.388 ms

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

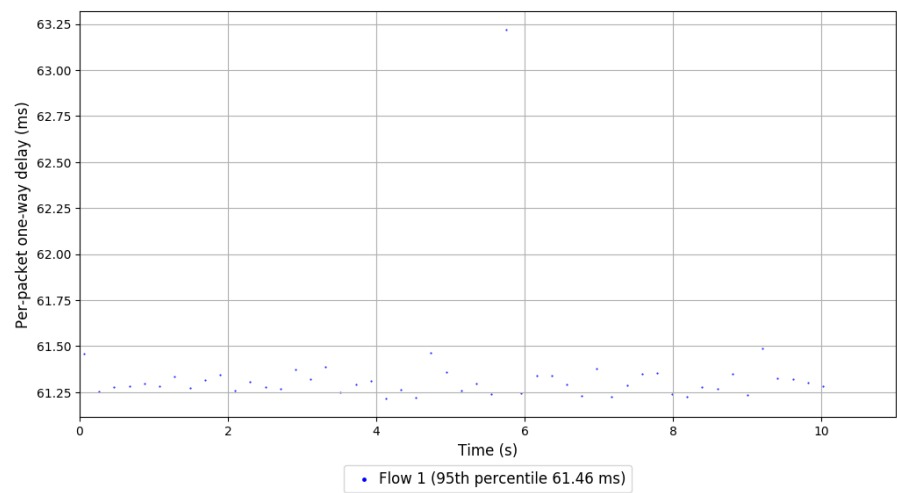
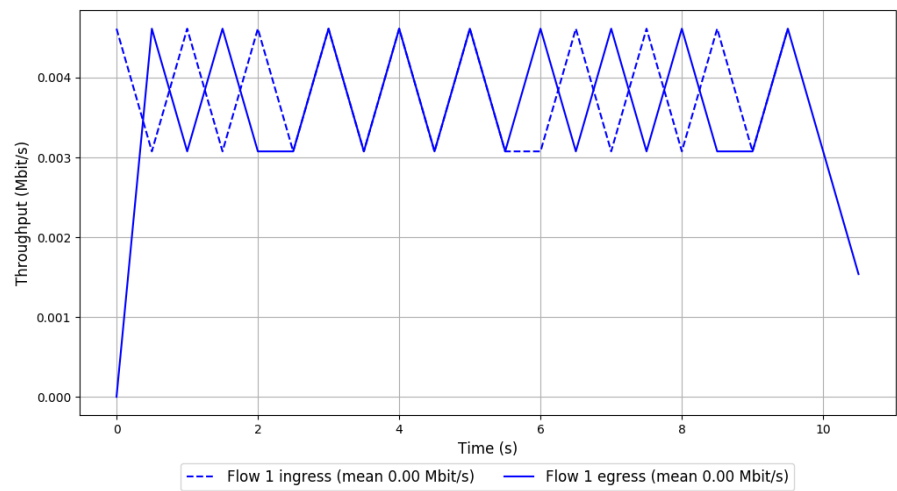
Start at: 2018-06-30 12:48:44

End at: 2018-06-30 12:49:14

Local clock offset: -0.02 ms

Remote clock offset: -0.1 ms

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

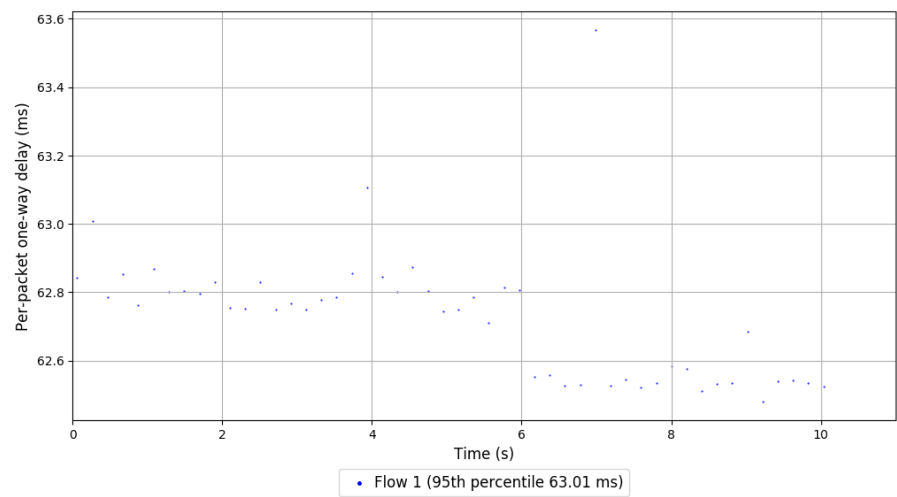
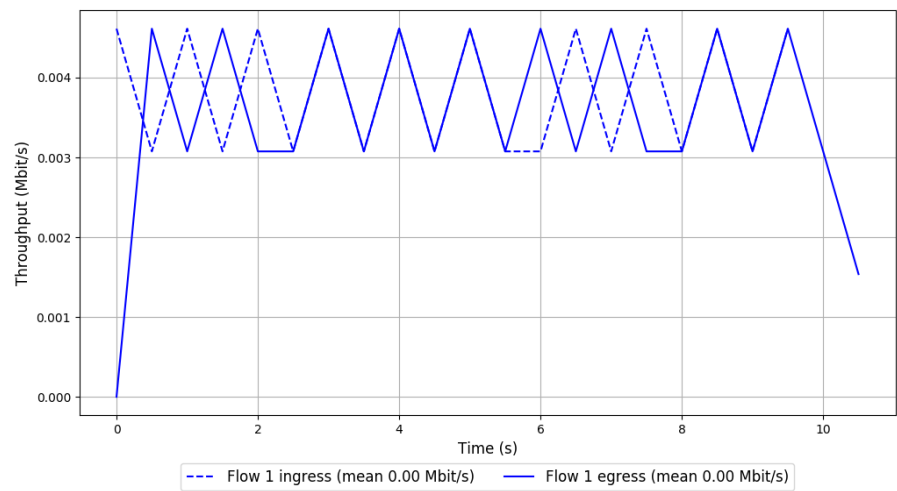
Start at: 2018-06-30 13:10:00

End at: 2018-06-30 13:10:30

Local clock offset: 0.012 ms

Remote clock offset: 1.407 ms

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

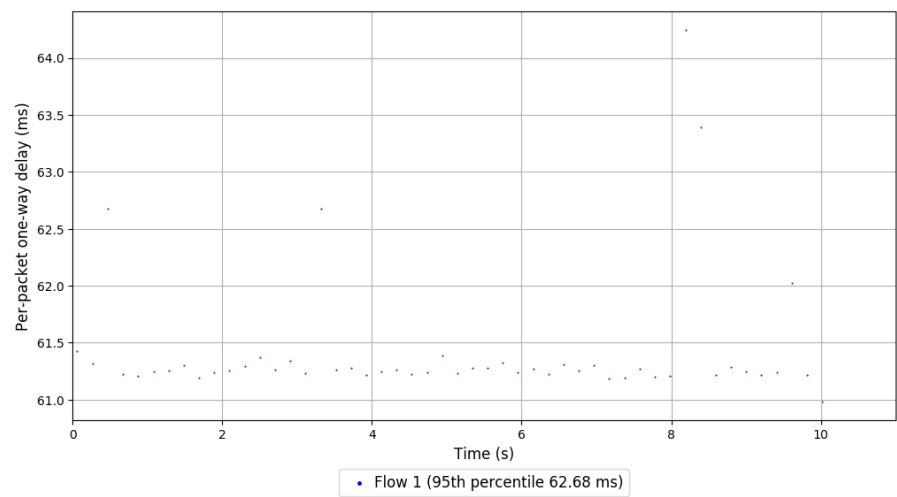
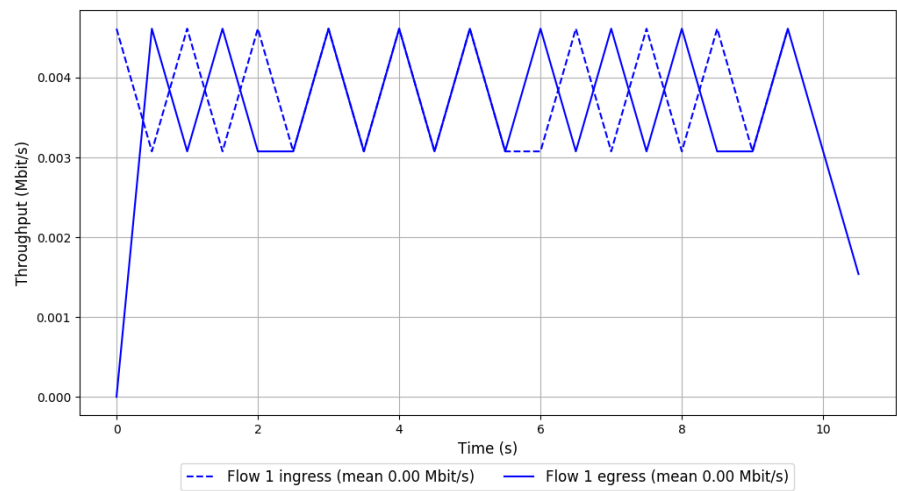
Start at: 2018-06-30 13:31:06

End at: 2018-06-30 13:31:36

Local clock offset: -0.02 ms

Remote clock offset: -0.107 ms

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

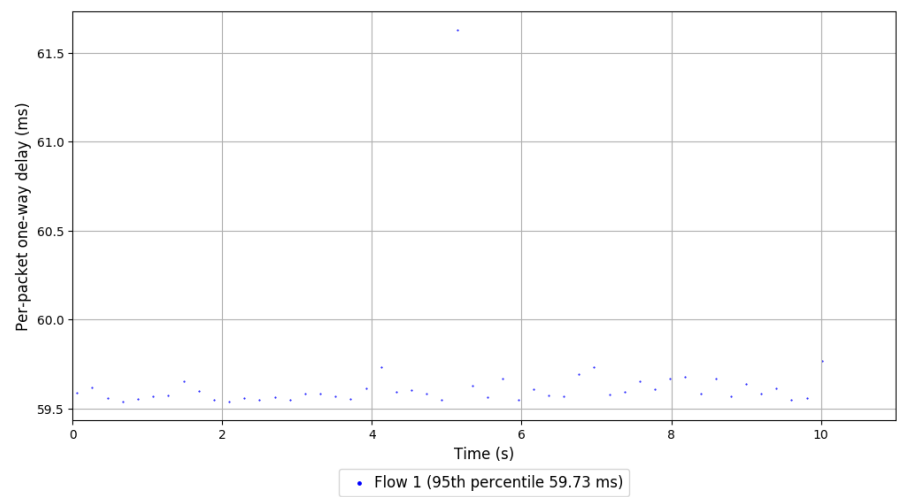
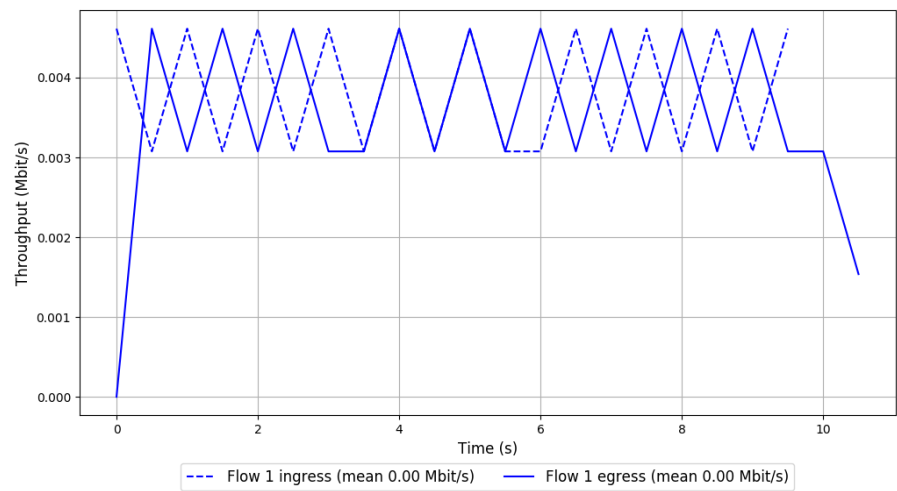
Start at: 2018-06-30 13:52:18

End at: 2018-06-30 13:52:48

Local clock offset: -0.111 ms

Remote clock offset: -1.449 ms

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

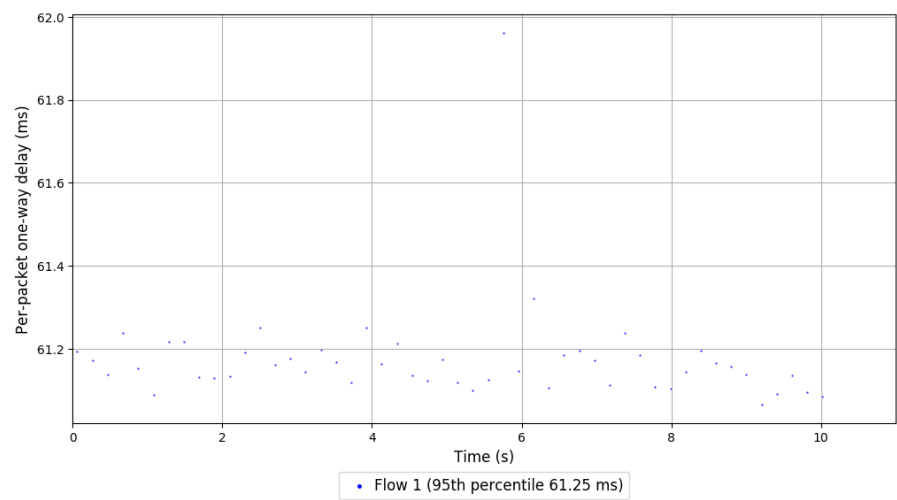
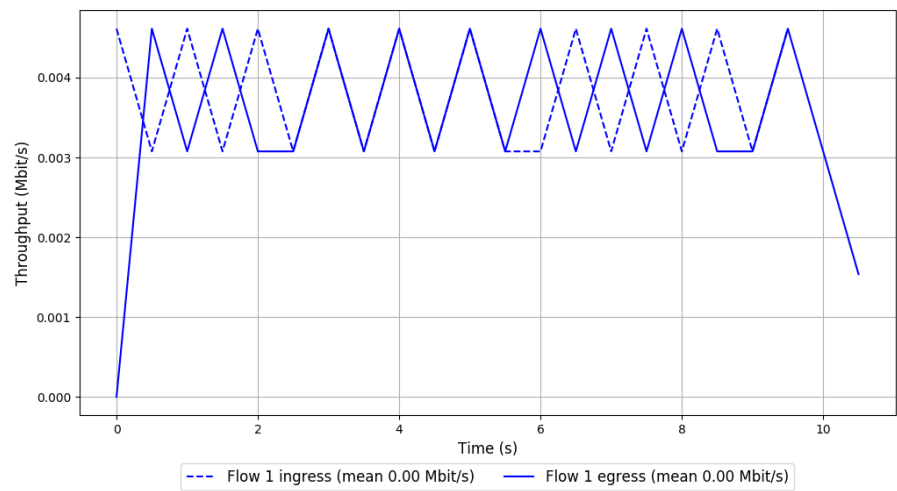
Start at: 2018-06-30 14:13:46

End at: 2018-06-30 14:14:16

Local clock offset: -0.21 ms

Remote clock offset: -0.082 ms

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-06-30 10:52:11

End at: 2018-06-30 10:52:41

Local clock offset: 0.074 ms

Remote clock offset: 0.209 ms

Below is generated by plot.py at 2018-06-30 15:12:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 191.47 Mbit/s

95th percentile per-packet one-way delay: 61.857 ms

Loss rate: 0.00%

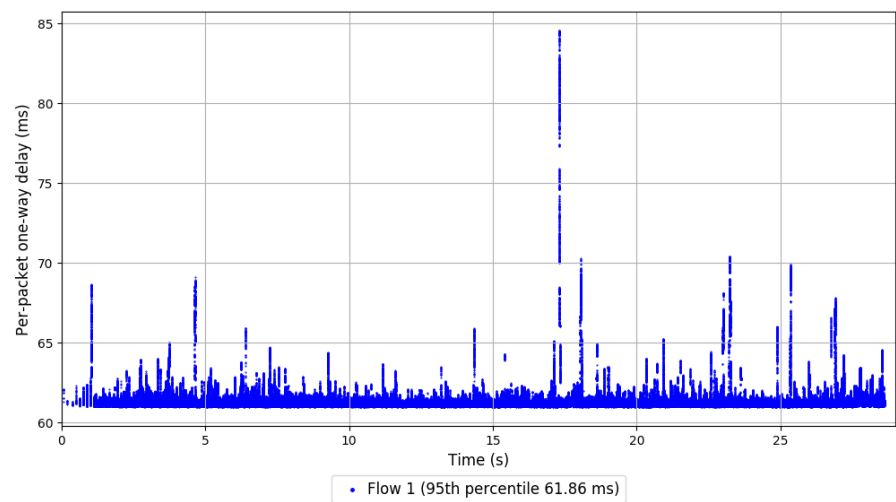
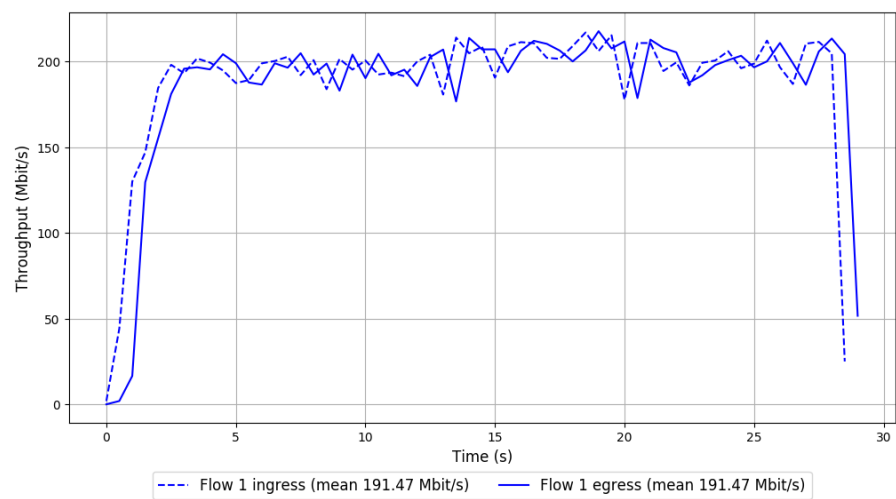
-- Flow 1:

Average throughput: 191.47 Mbit/s

95th percentile per-packet one-way delay: 61.857 ms

Loss rate: 0.00%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-06-30 11:13:39

End at: 2018-06-30 11:14:09

Local clock offset: 0.05 ms

Remote clock offset: 0.077 ms

Below is generated by plot.py at 2018-06-30 15:12:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 191.51 Mbit/s

95th percentile per-packet one-way delay: 61.674 ms

Loss rate: 0.00%

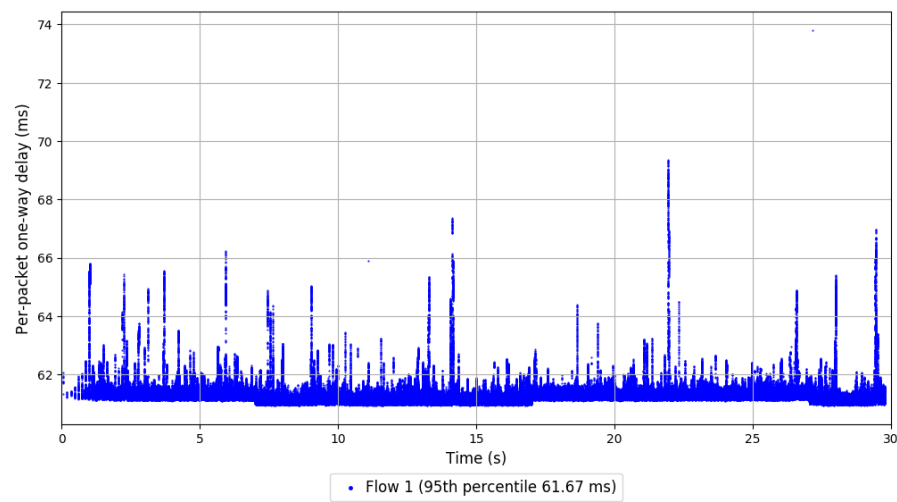
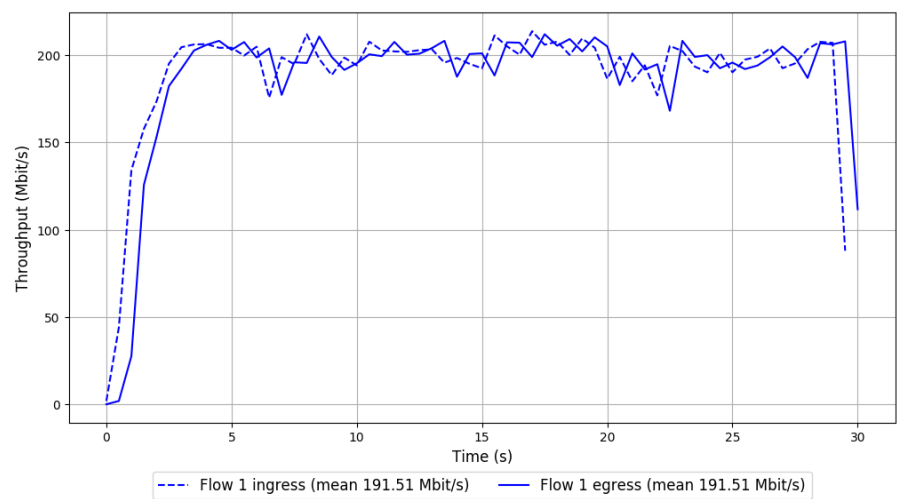
-- Flow 1:

Average throughput: 191.51 Mbit/s

95th percentile per-packet one-way delay: 61.674 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

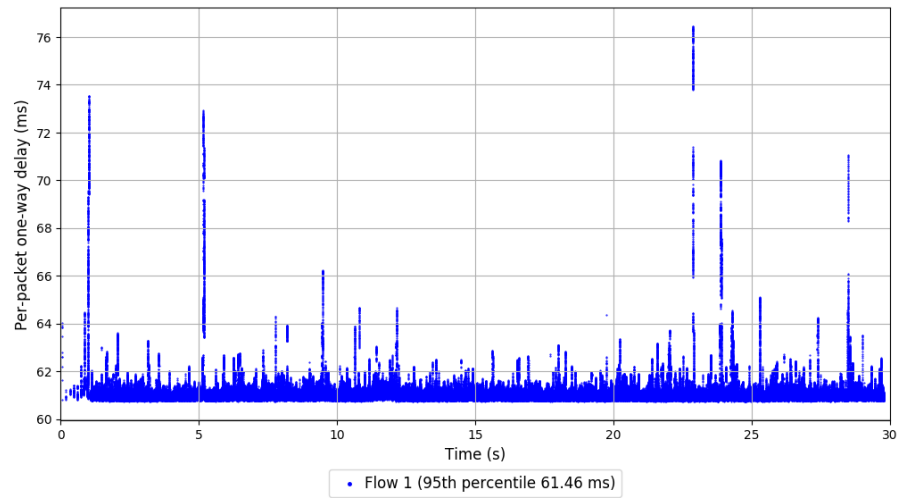
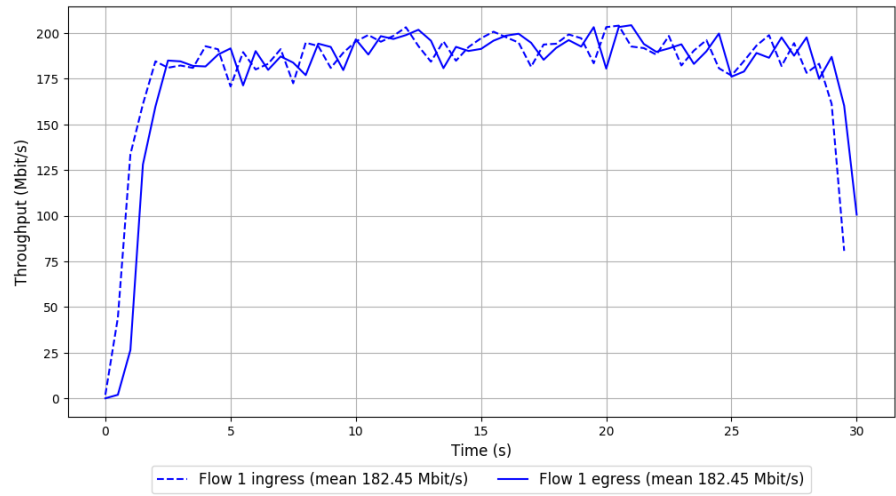


Run 3: Statistics of Indigo

Start at: 2018-06-30 11:35:06
End at: 2018-06-30 11:35:36
Local clock offset: -0.033 ms
Remote clock offset: -0.243 ms

Below is generated by plot.py at 2018-06-30 15:12:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 182.45 Mbit/s
95th percentile per-packet one-way delay: 61.458 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 182.45 Mbit/s
95th percentile per-packet one-way delay: 61.458 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-06-30 11:56:21

End at: 2018-06-30 11:56:51

Local clock offset: -0.088 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2018-06-30 15:12:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 202.40 Mbit/s

95th percentile per-packet one-way delay: 61.599 ms

Loss rate: 0.00%

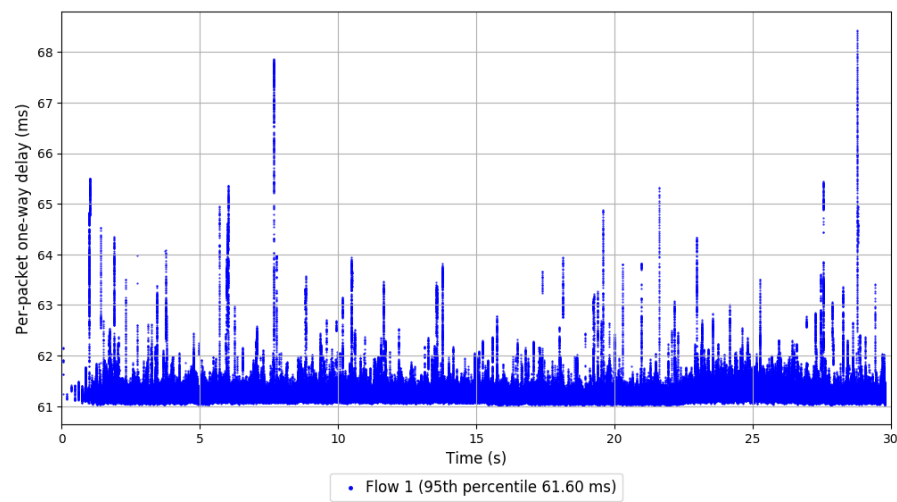
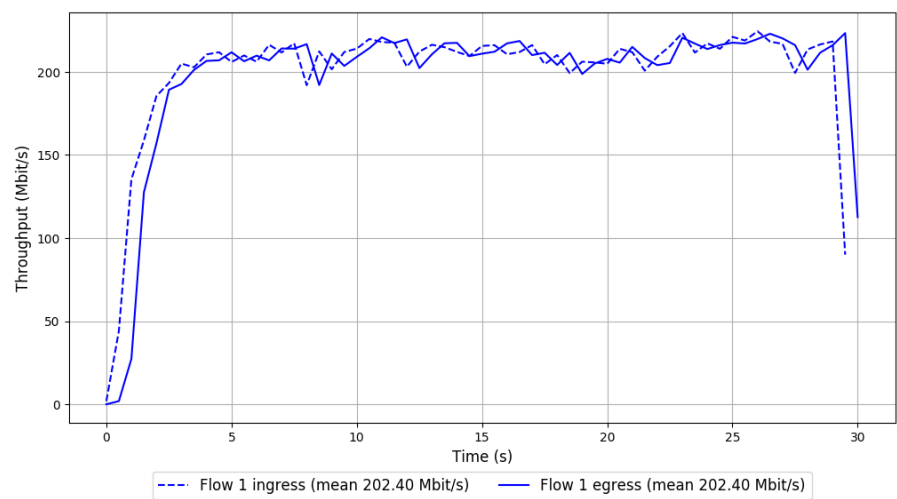
-- Flow 1:

Average throughput: 202.40 Mbit/s

95th percentile per-packet one-way delay: 61.599 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-06-30 12:17:41

End at: 2018-06-30 12:18:11

Local clock offset: -0.02 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2018-06-30 15:12:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 189.25 Mbit/s

95th percentile per-packet one-way delay: 61.611 ms

Loss rate: 0.00%

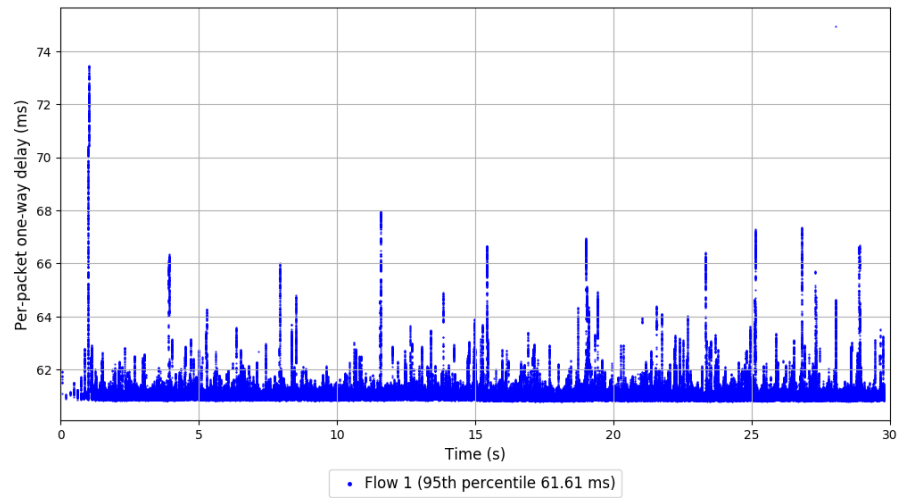
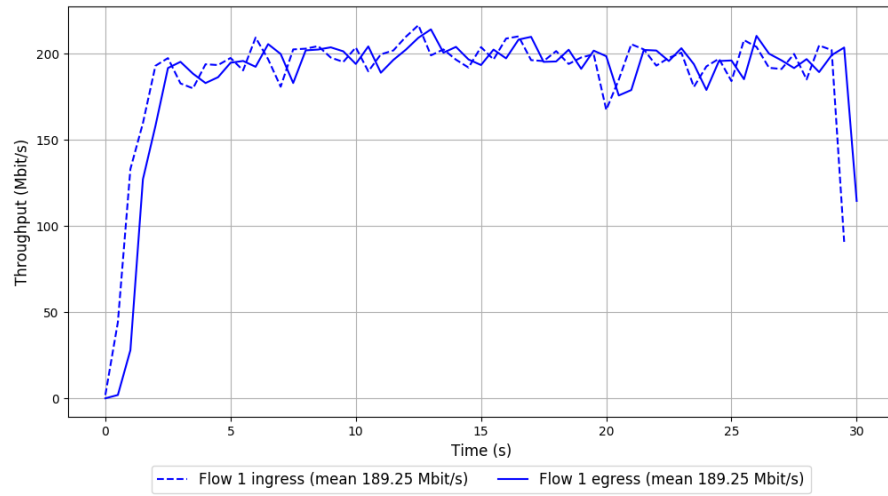
-- Flow 1:

Average throughput: 189.25 Mbit/s

95th percentile per-packet one-way delay: 61.611 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-06-30 12:38:50

End at: 2018-06-30 12:39:20

Local clock offset: -0.021 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-06-30 15:12:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.35 Mbit/s

95th percentile per-packet one-way delay: 61.748 ms

Loss rate: 0.00%

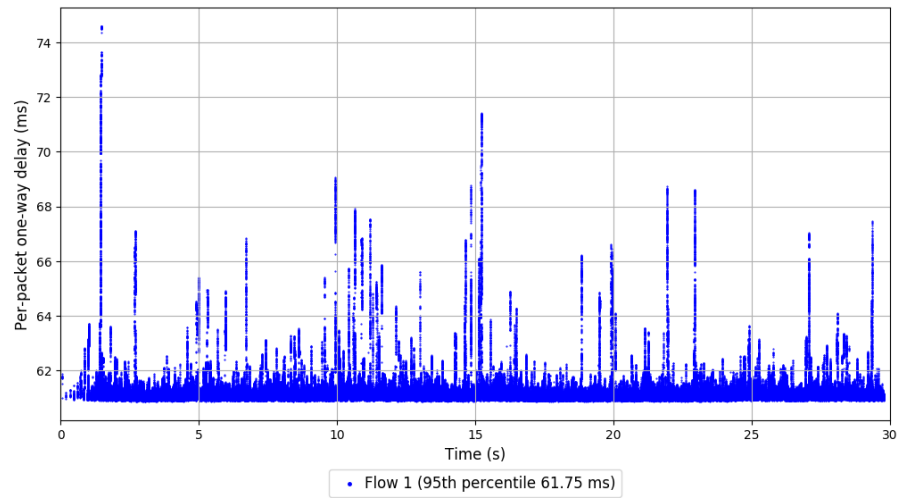
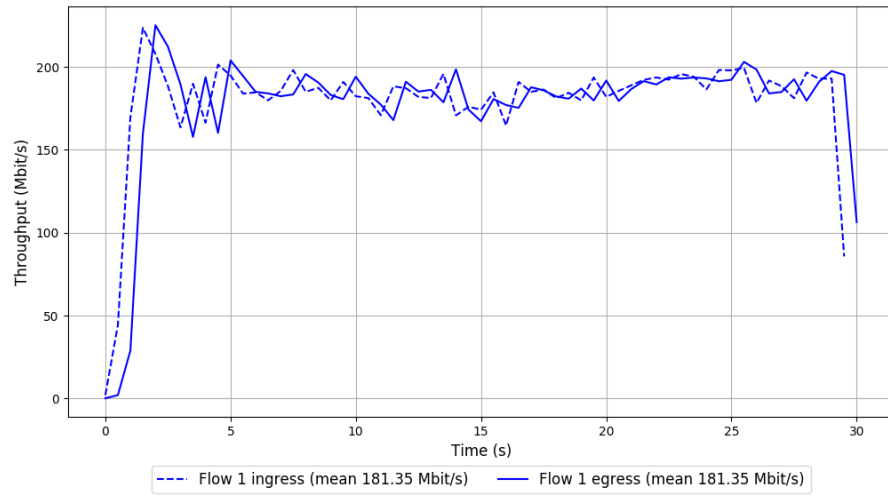
-- Flow 1:

Average throughput: 181.35 Mbit/s

95th percentile per-packet one-way delay: 61.748 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

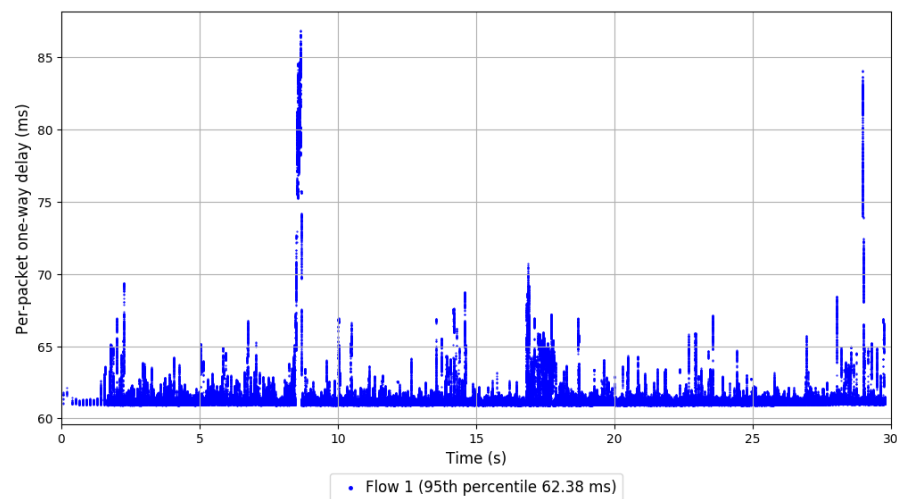
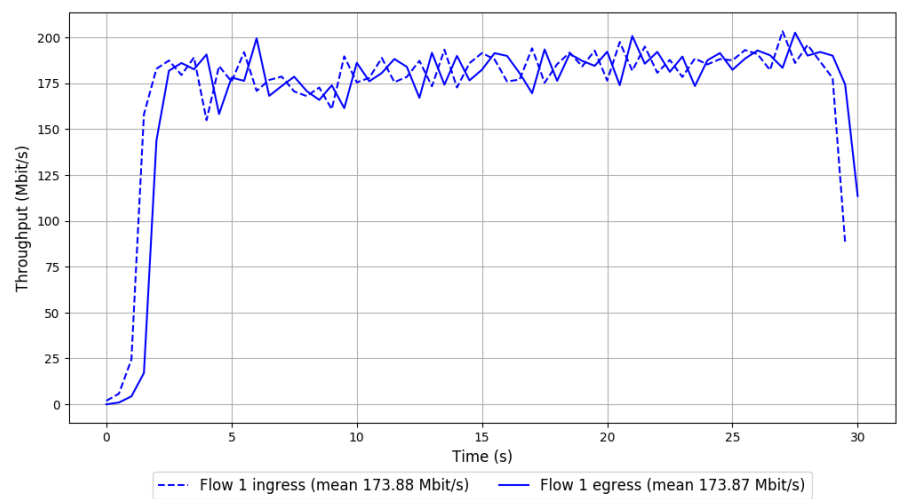


Run 7: Statistics of Indigo

Start at: 2018-06-30 13:00:00
End at: 2018-06-30 13:00:30
Local clock offset: 0.017 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-06-30 15:12:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 173.87 Mbit/s
95th percentile per-packet one-way delay: 62.384 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 173.87 Mbit/s
95th percentile per-packet one-way delay: 62.384 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-06-30 13:21:14

End at: 2018-06-30 13:21:44

Local clock offset: 0.003 ms

Remote clock offset: 0.092 ms

Below is generated by plot.py at 2018-06-30 15:12:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 182.78 Mbit/s

95th percentile per-packet one-way delay: 61.792 ms

Loss rate: 0.00%

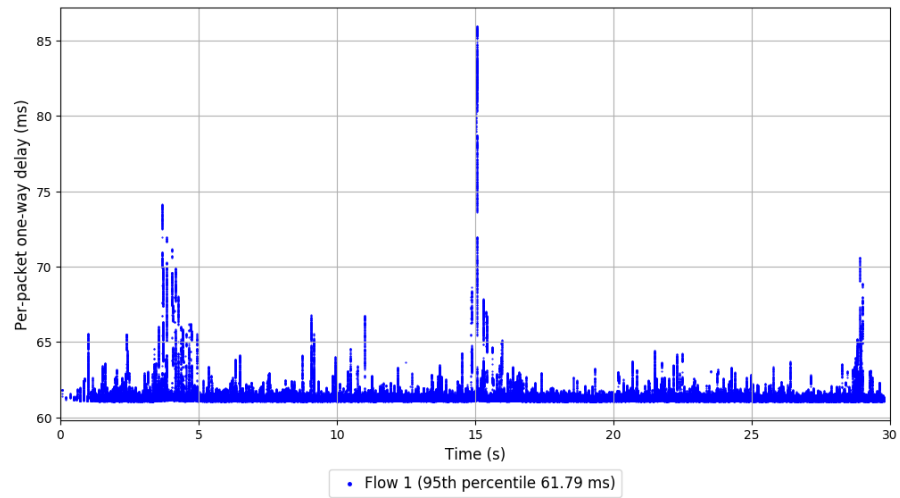
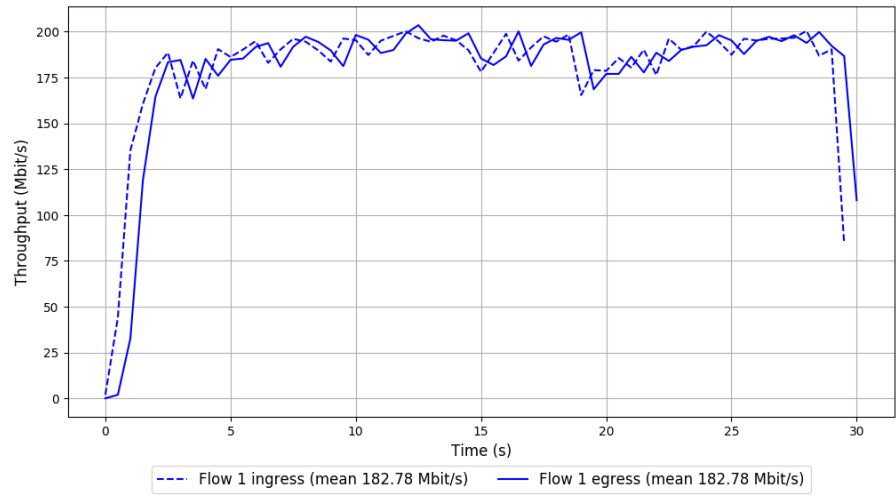
-- Flow 1:

Average throughput: 182.78 Mbit/s

95th percentile per-packet one-way delay: 61.792 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

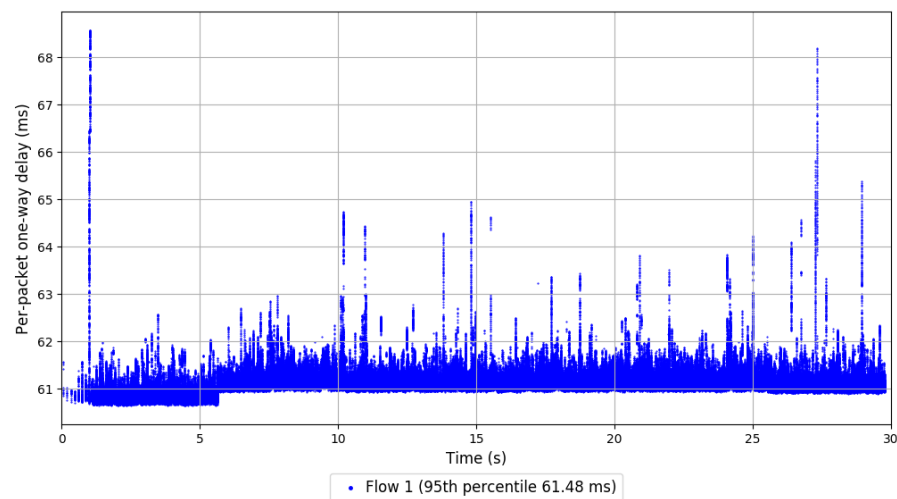
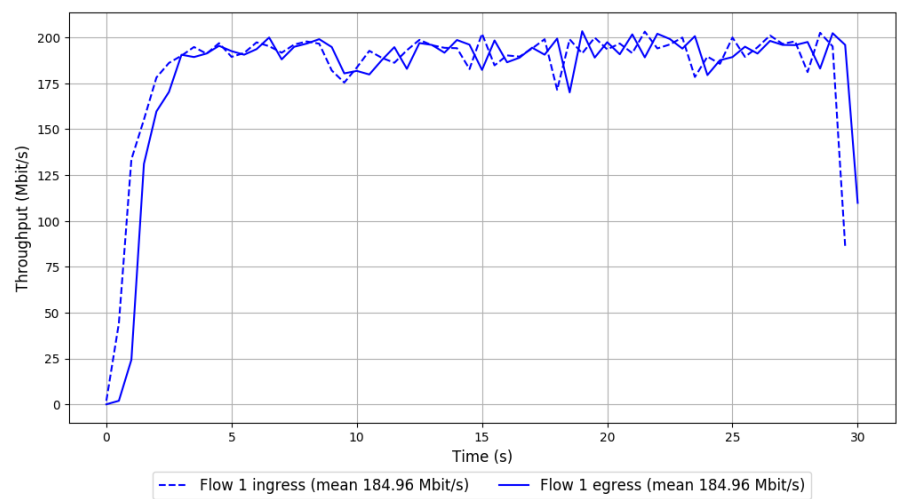


Run 9: Statistics of Indigo

Start at: 2018-06-30 13:42:30
End at: 2018-06-30 13:43:00
Local clock offset: -0.015 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-06-30 15:12:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 184.96 Mbit/s
95th percentile per-packet one-way delay: 61.484 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 184.96 Mbit/s
95th percentile per-packet one-way delay: 61.484 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-06-30 14:03:47

End at: 2018-06-30 14:04:17

Local clock offset: -0.168 ms

Remote clock offset: 0.07 ms

Below is generated by plot.py at 2018-06-30 15:12:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 178.69 Mbit/s

95th percentile per-packet one-way delay: 62.203 ms

Loss rate: 0.00%

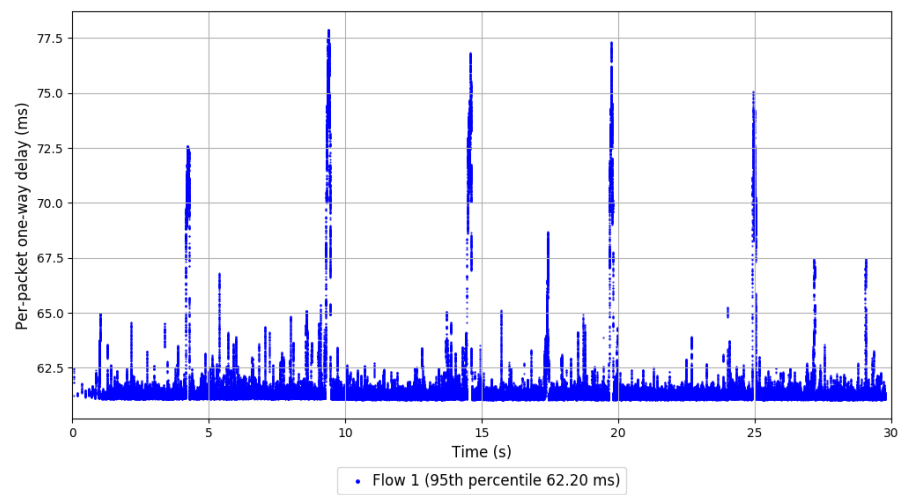
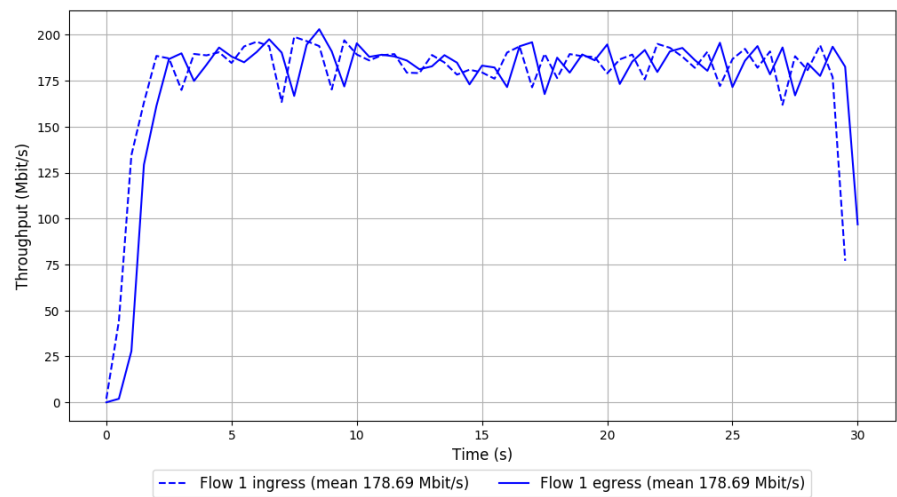
-- Flow 1:

Average throughput: 178.69 Mbit/s

95th percentile per-packet one-way delay: 62.203 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link



Run 1: Statistics of LEDBAT

Start at: 2018-06-30 11:07:42

End at: 2018-06-30 11:08:12

Local clock offset: 0.035 ms

Remote clock offset: -0.161 ms

Below is generated by plot.py at 2018-06-30 15:12:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.04 Mbit/s

95th percentile per-packet one-way delay: 63.207 ms

Loss rate: 0.00%

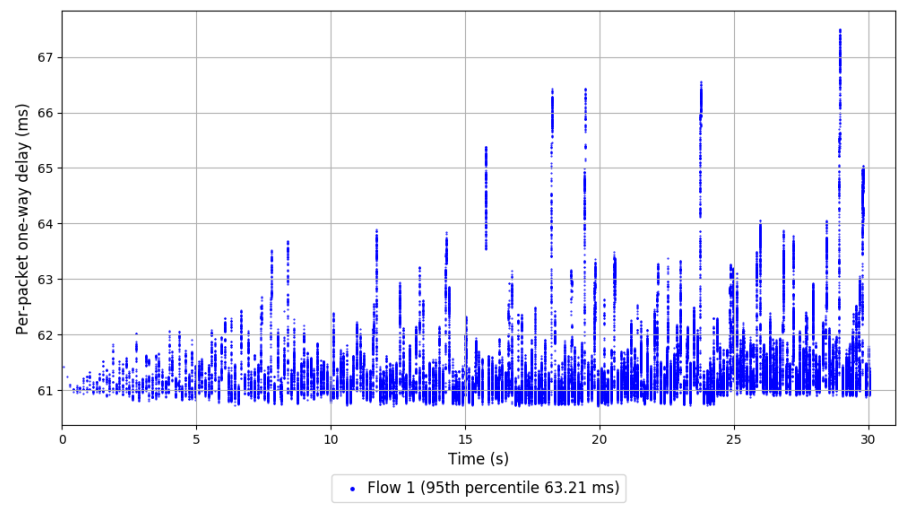
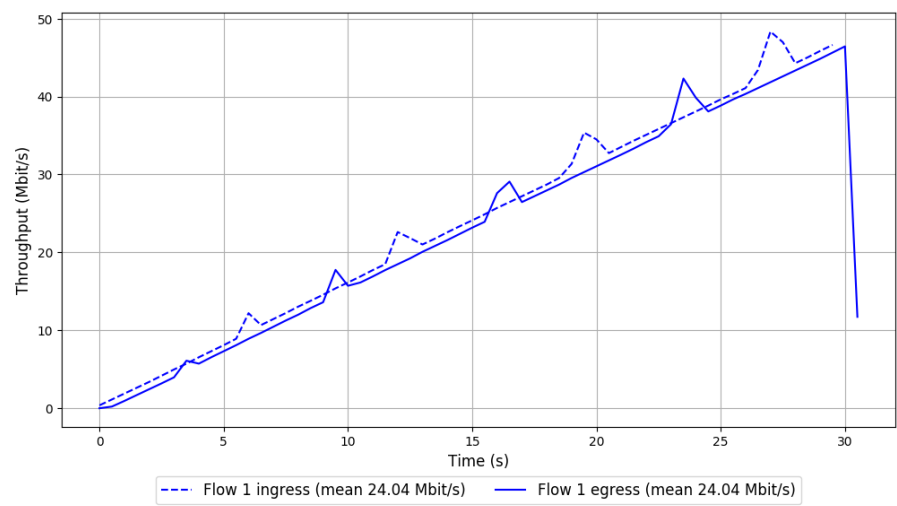
-- Flow 1:

Average throughput: 24.04 Mbit/s

95th percentile per-packet one-way delay: 63.207 ms

Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link

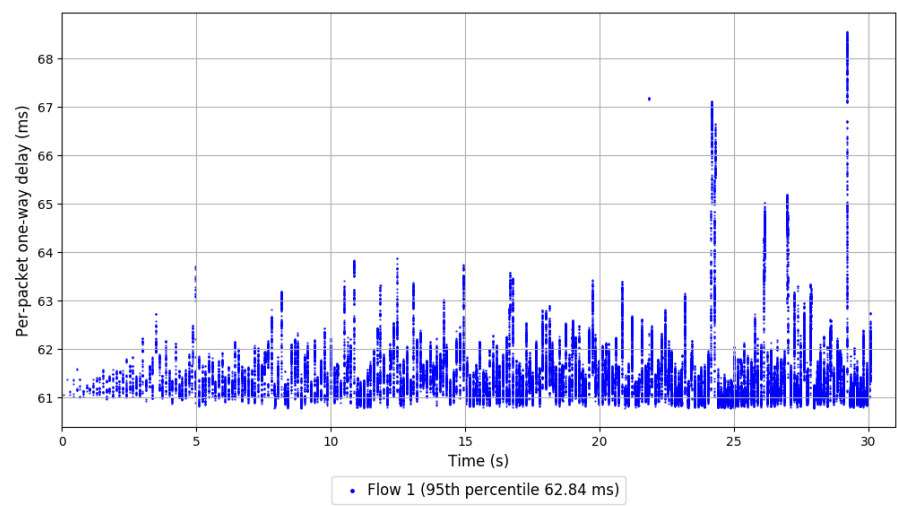
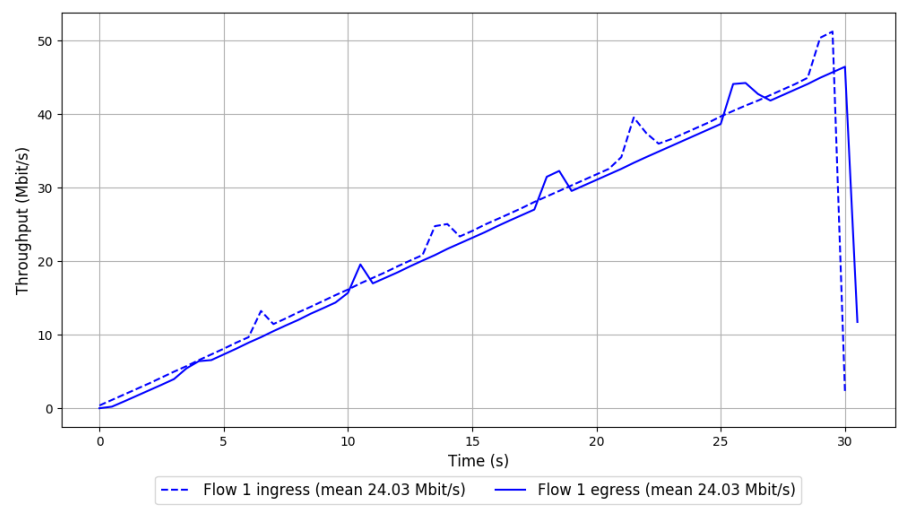


Run 2: Statistics of LEDBAT

Start at: 2018-06-30 11:29:04
End at: 2018-06-30 11:29:34
Local clock offset: 0.012 ms
Remote clock offset: -0.259 ms

Below is generated by plot.py at 2018-06-30 15:12:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.03 Mbit/s
95th percentile per-packet one-way delay: 62.844 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.03 Mbit/s
95th percentile per-packet one-way delay: 62.844 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

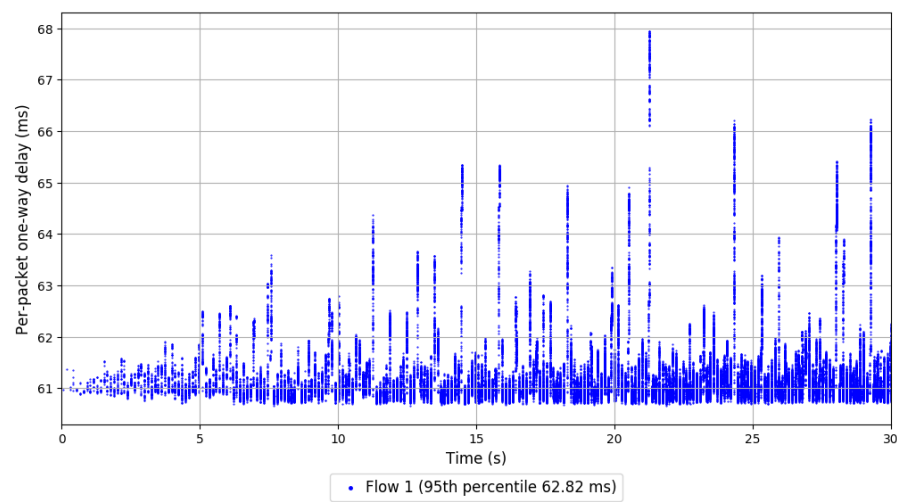
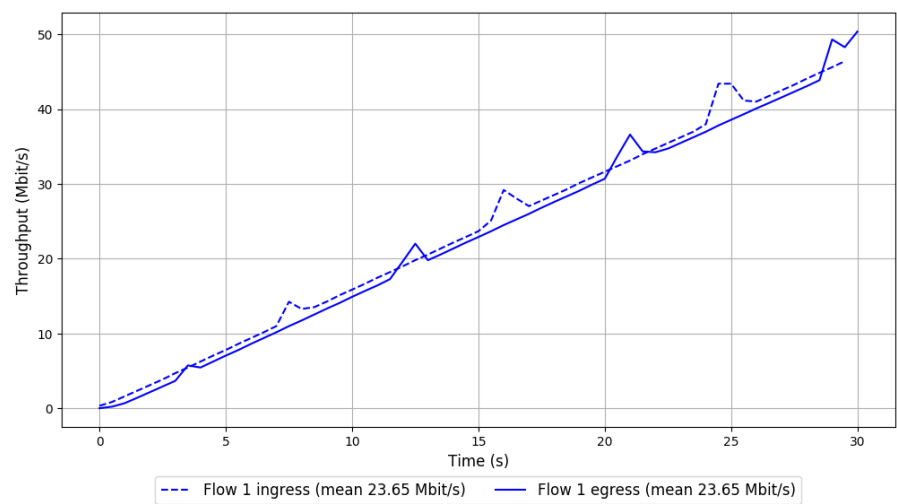


Run 3: Statistics of LEDBAT

Start at: 2018-06-30 11:50:21
End at: 2018-06-30 11:50:51
Local clock offset: -0.046 ms
Remote clock offset: -0.246 ms

Below is generated by plot.py at 2018-06-30 15:12:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.65 Mbit/s
95th percentile per-packet one-way delay: 62.821 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.65 Mbit/s
95th percentile per-packet one-way delay: 62.821 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

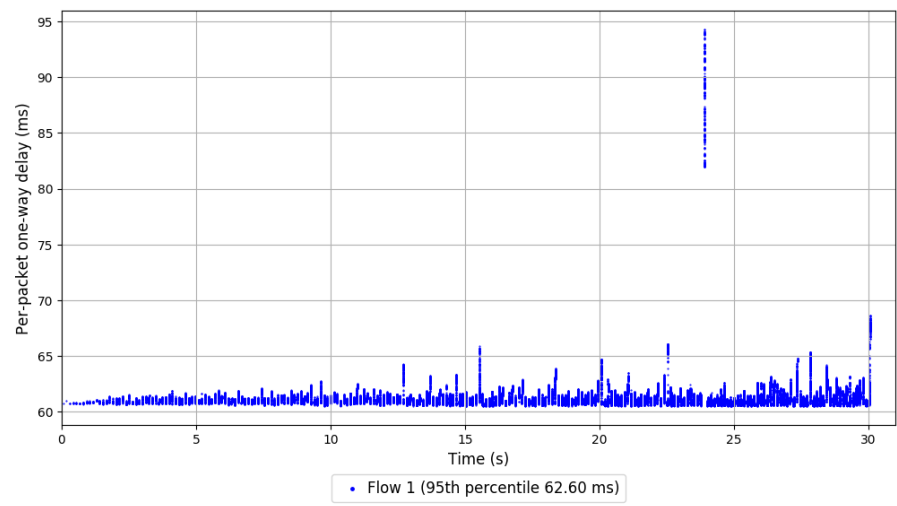
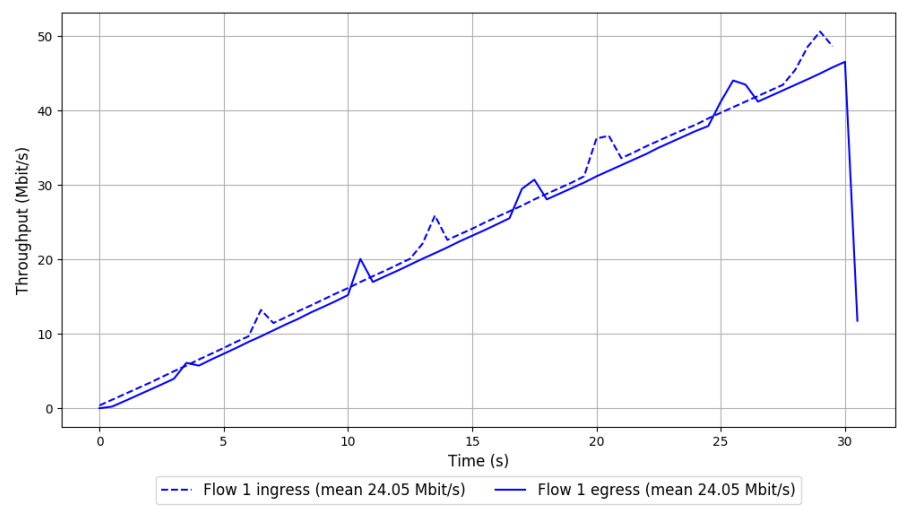


Run 4: Statistics of LEDBAT

Start at: 2018-06-30 12:11:42
End at: 2018-06-30 12:12:13
Local clock offset: 0.002 ms
Remote clock offset: -0.426 ms

Below is generated by plot.py at 2018-06-30 15:12:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.05 Mbit/s
95th percentile per-packet one-way delay: 62.600 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.05 Mbit/s
95th percentile per-packet one-way delay: 62.600 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-06-30 12:32:52

End at: 2018-06-30 12:33:22

Local clock offset: -0.024 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2018-06-30 15:12:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.03 Mbit/s

95th percentile per-packet one-way delay: 62.928 ms

Loss rate: 0.00%

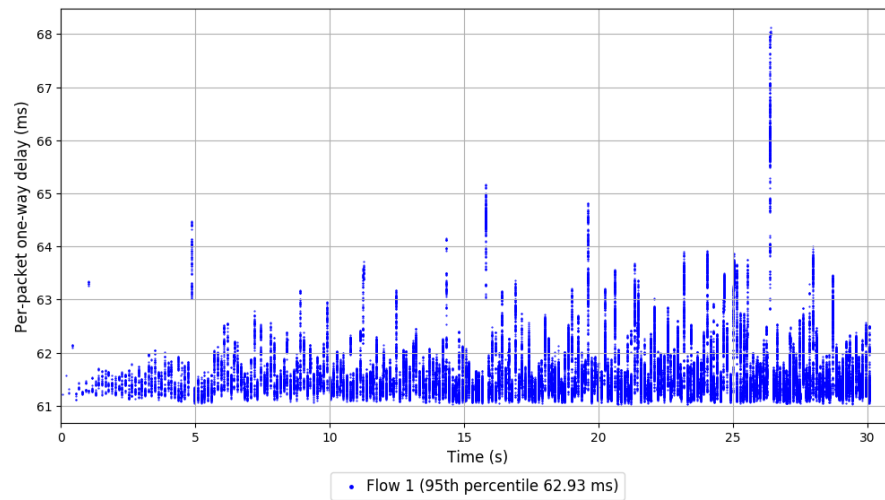
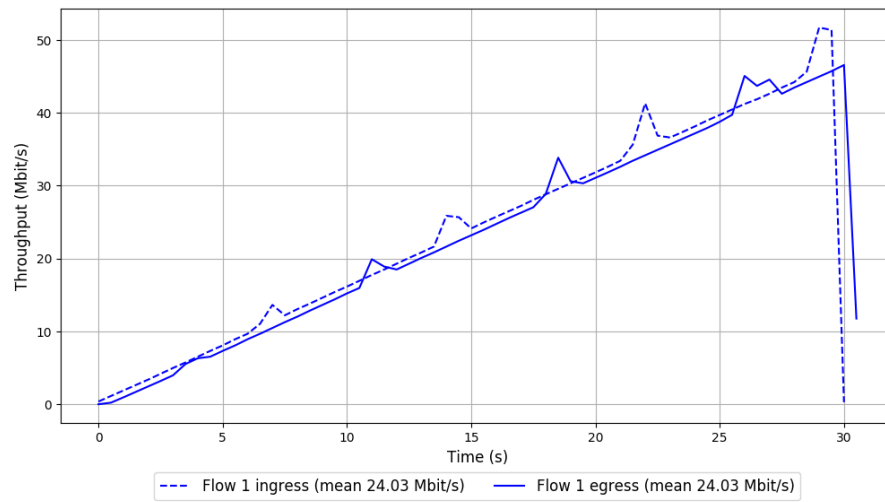
-- Flow 1:

Average throughput: 24.03 Mbit/s

95th percentile per-packet one-way delay: 62.928 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

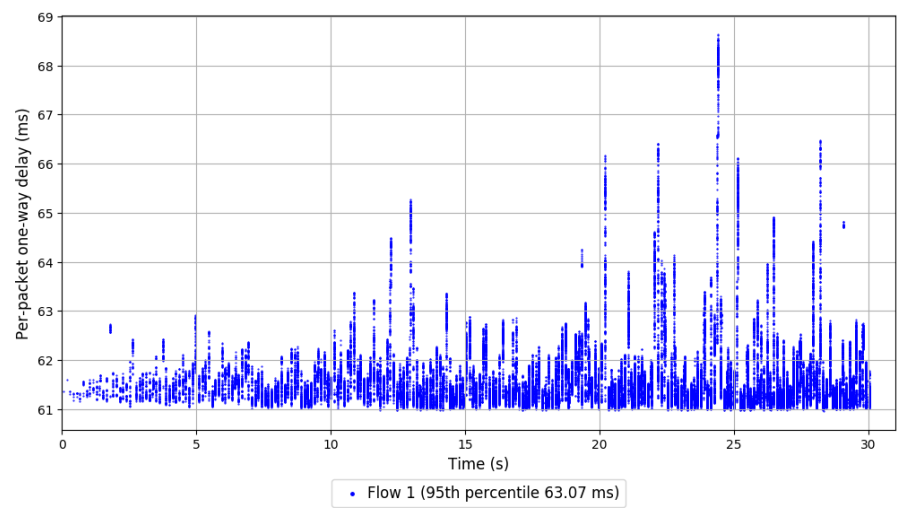
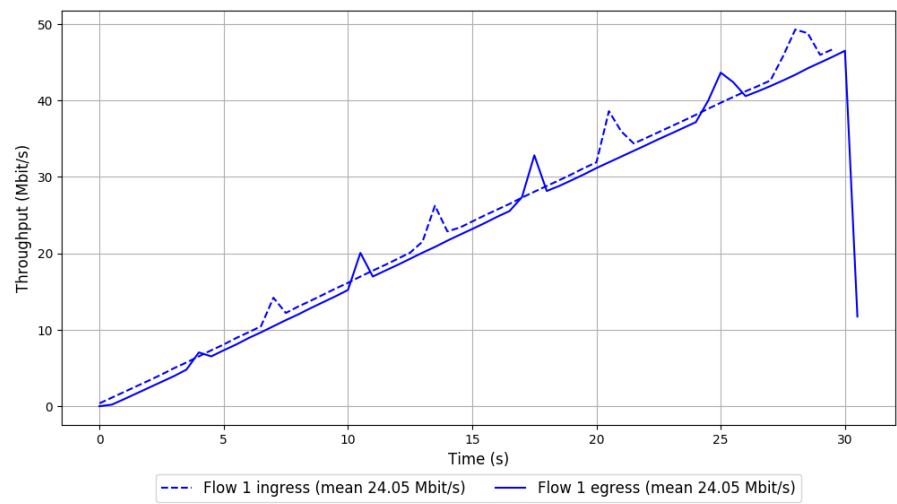


Run 6: Statistics of LEDBAT

Start at: 2018-06-30 12:54:05
End at: 2018-06-30 12:54:35
Local clock offset: -0.026 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-06-30 15:12:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.05 Mbit/s
95th percentile per-packet one-way delay: 63.069 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.05 Mbit/s
95th percentile per-packet one-way delay: 63.069 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

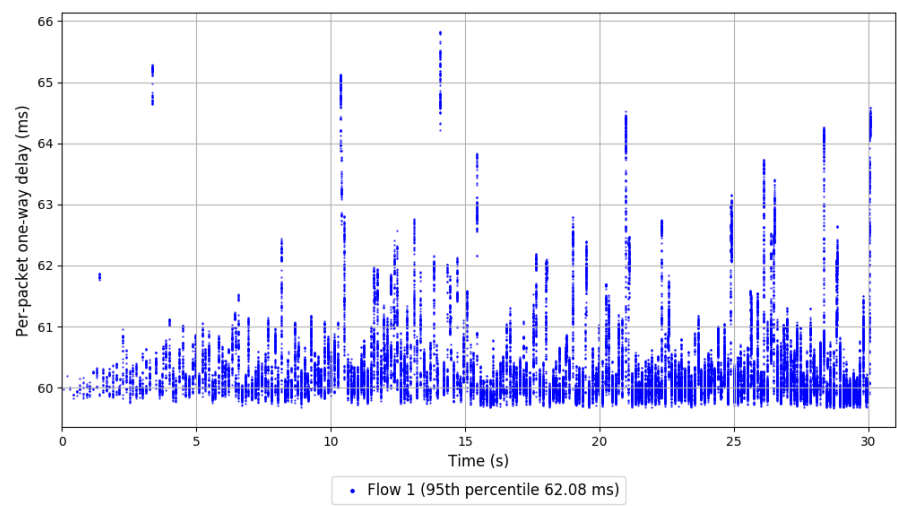
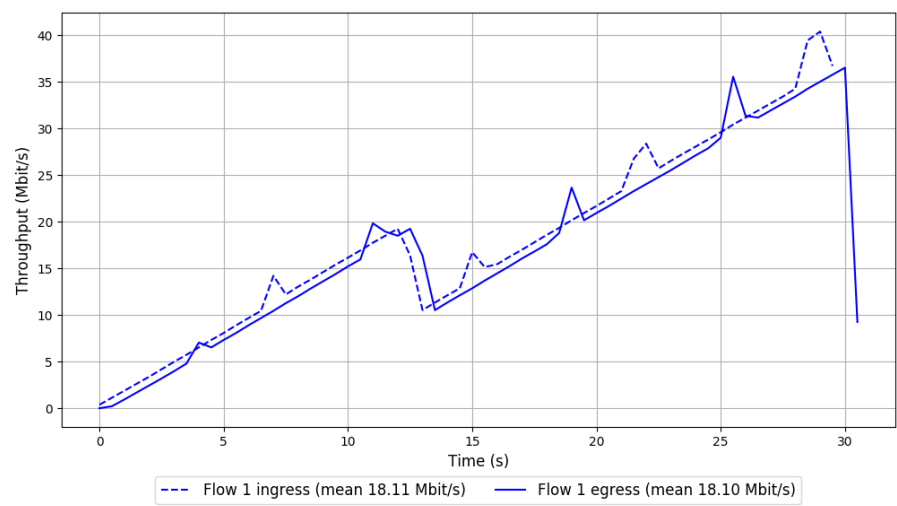


Run 7: Statistics of LEDBAT

Start at: 2018-06-30 13:15:26
End at: 2018-06-30 13:15:56
Local clock offset: -0.002 ms
Remote clock offset: -1.338 ms

Below is generated by plot.py at 2018-06-30 15:12:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.10 Mbit/s
95th percentile per-packet one-way delay: 62.081 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 18.10 Mbit/s
95th percentile per-packet one-way delay: 62.081 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

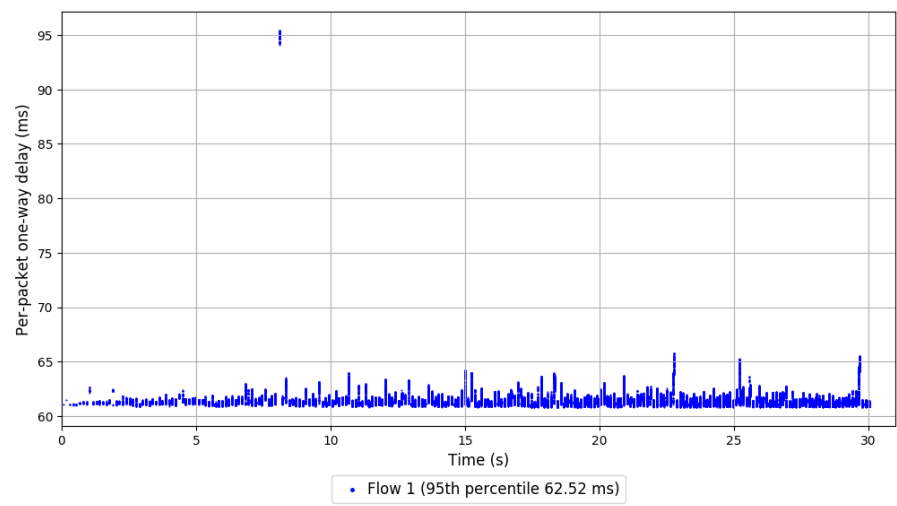
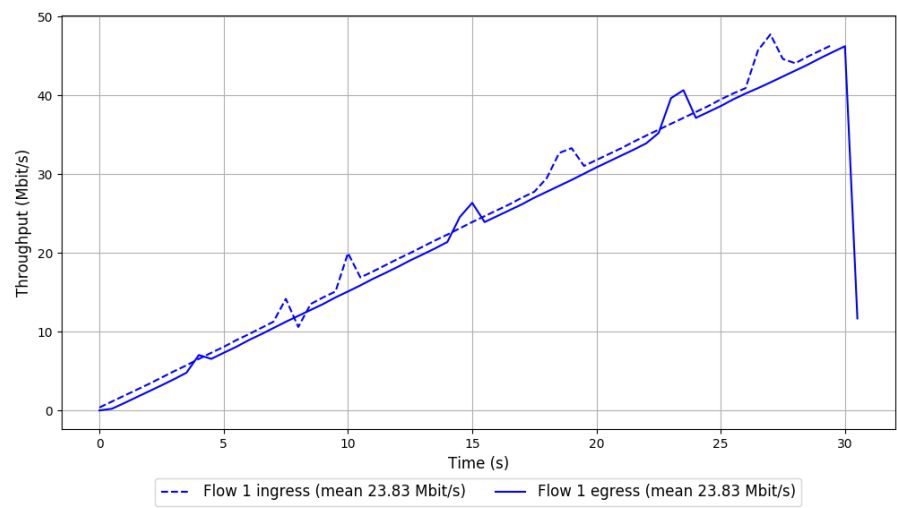


Run 8: Statistics of LEDBAT

Start at: 2018-06-30 13:36:33
End at: 2018-06-30 13:37:03
Local clock offset: -0.065 ms
Remote clock offset: -0.209 ms

Below is generated by plot.py at 2018-06-30 15:12:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.83 Mbit/s
95th percentile per-packet one-way delay: 62.521 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.83 Mbit/s
95th percentile per-packet one-way delay: 62.521 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-06-30 13:57:42

End at: 2018-06-30 13:58:12

Local clock offset: -0.12 ms

Remote clock offset: 0.346 ms

Below is generated by plot.py at 2018-06-30 15:12:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.48 Mbit/s

95th percentile per-packet one-way delay: 64.099 ms

Loss rate: 0.00%

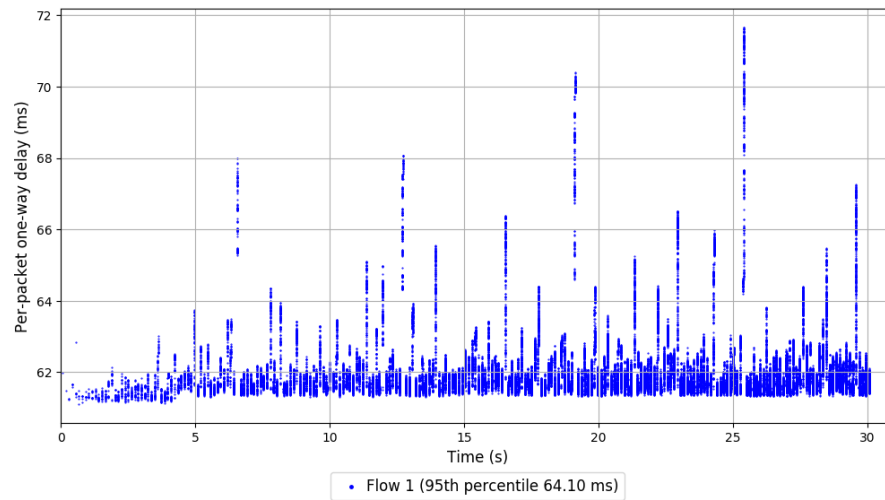
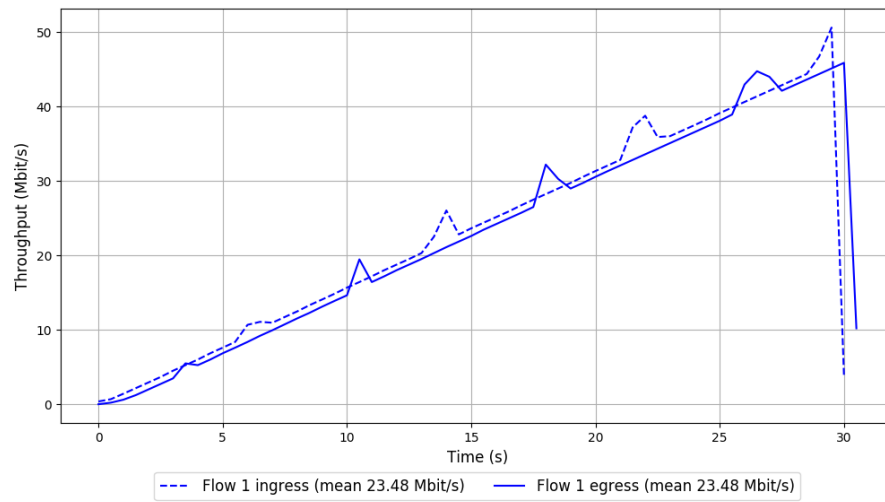
-- Flow 1:

Average throughput: 23.48 Mbit/s

95th percentile per-packet one-way delay: 64.099 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-06-30 14:19:07

End at: 2018-06-30 14:19:37

Local clock offset: -0.201 ms

Remote clock offset: 1.246 ms

Below is generated by plot.py at 2018-06-30 15:12:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.04 Mbit/s

95th percentile per-packet one-way delay: 64.090 ms

Loss rate: 0.00%

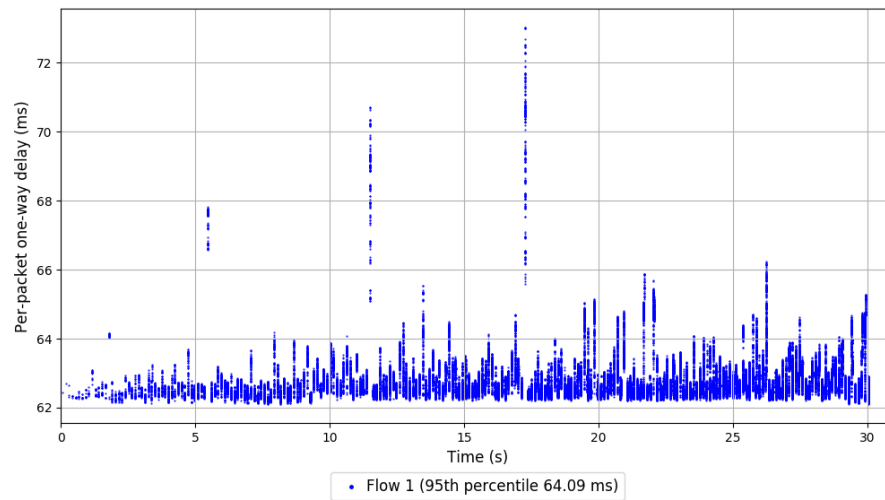
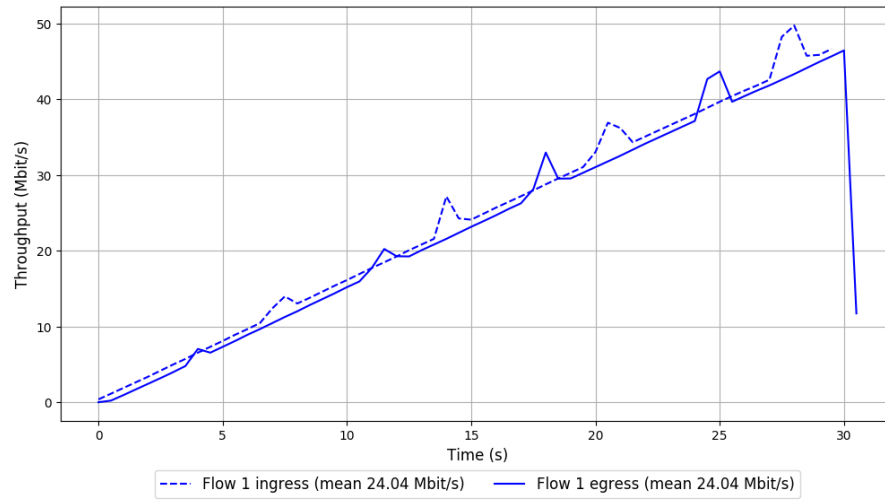
-- Flow 1:

Average throughput: 24.04 Mbit/s

95th percentile per-packet one-way delay: 64.090 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

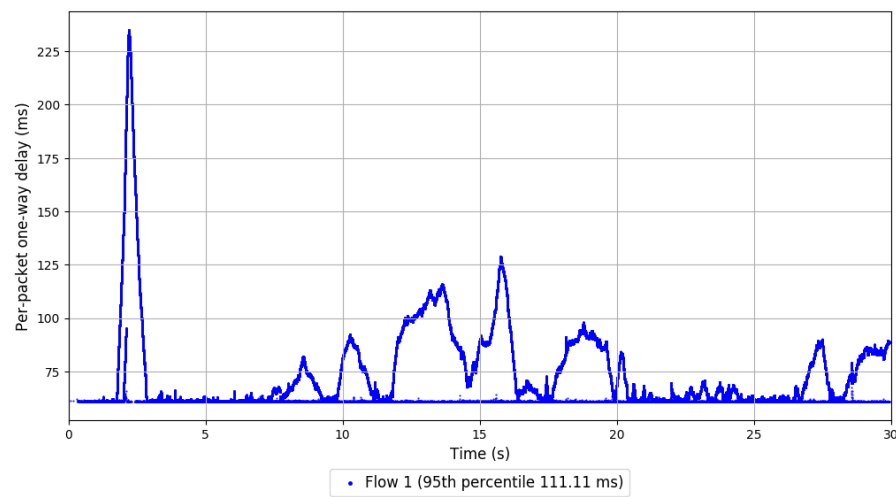
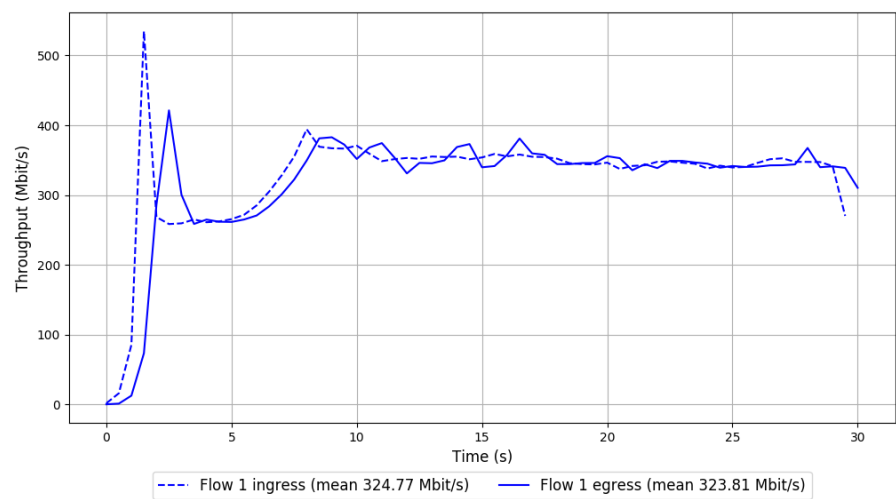


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-06-30 11:04:53
End at: 2018-06-30 11:05:23
Local clock offset: -0.003 ms
Remote clock offset: -0.095 ms

# Below is generated by plot.py at 2018-06-30 15:12:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 323.81 Mbit/s
95th percentile per-packet one-way delay: 111.106 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 323.81 Mbit/s
95th percentile per-packet one-way delay: 111.106 ms
Loss rate: 0.29%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-06-30 11:26:19

End at: 2018-06-30 11:26:49

Local clock offset: 0.076 ms

Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-06-30 15:12:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 290.95 Mbit/s

95th percentile per-packet one-way delay: 96.515 ms

Loss rate: 0.19%

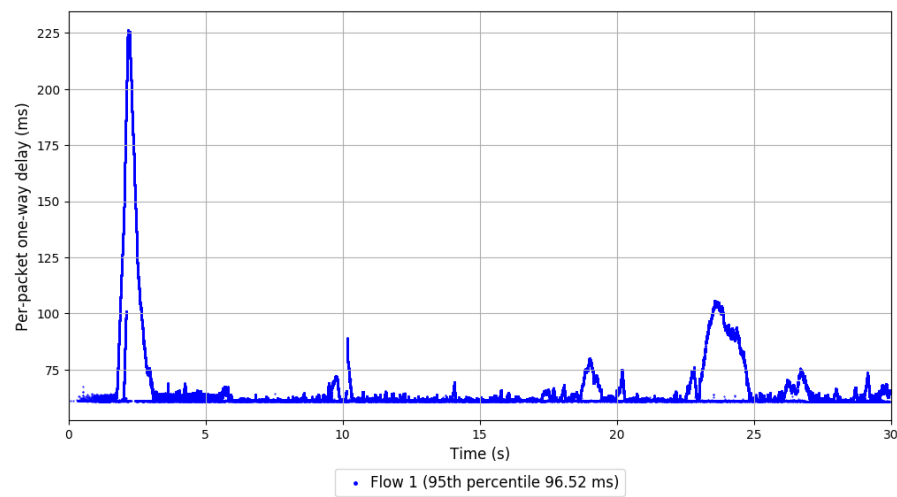
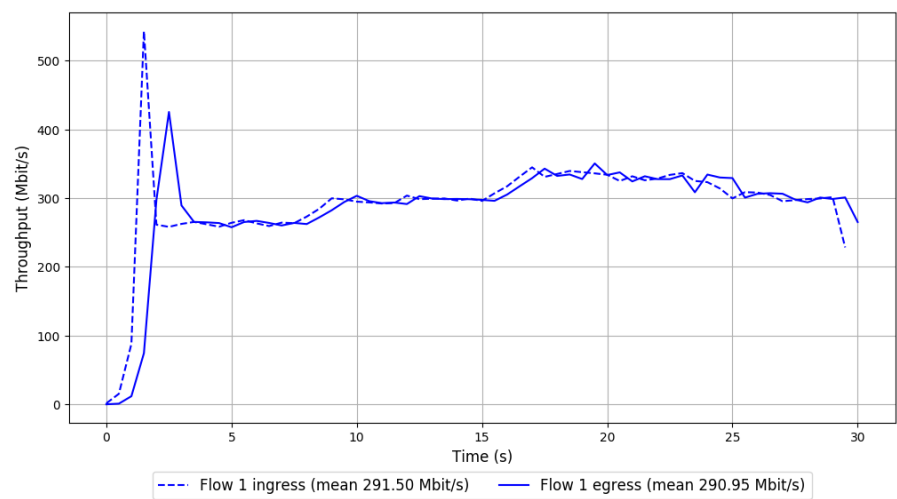
-- Flow 1:

Average throughput: 290.95 Mbit/s

95th percentile per-packet one-way delay: 96.515 ms

Loss rate: 0.19%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-06-30 11:47:39

End at: 2018-06-30 11:48:09

Local clock offset: -0.022 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-06-30 15:12:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 298.28 Mbit/s

95th percentile per-packet one-way delay: 80.679 ms

Loss rate: 0.21%

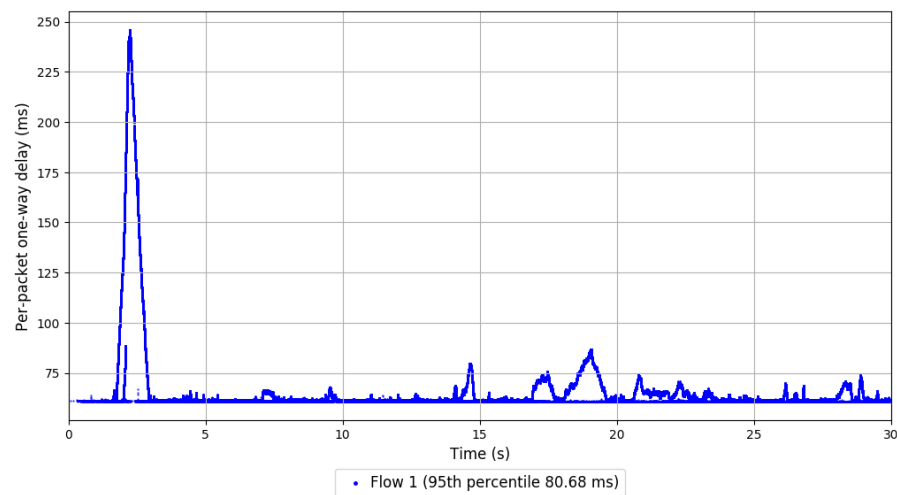
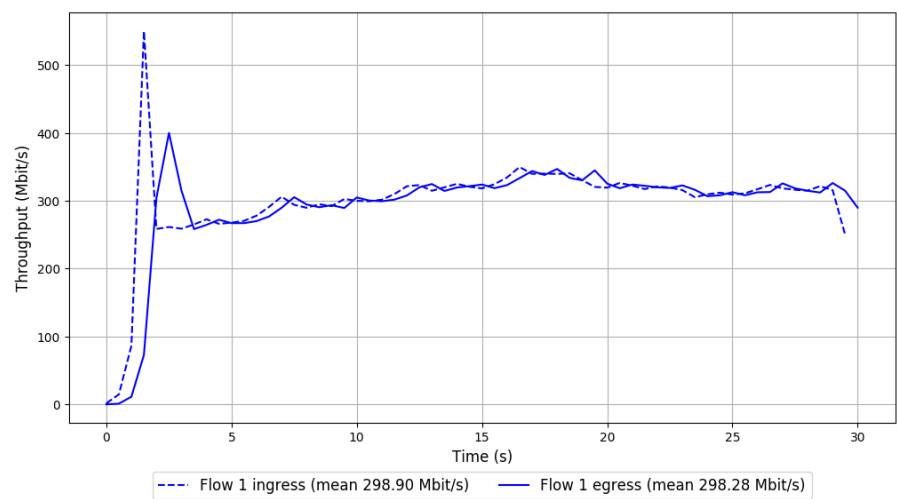
-- Flow 1:

Average throughput: 298.28 Mbit/s

95th percentile per-packet one-way delay: 80.679 ms

Loss rate: 0.21%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-06-30 12:08:56

End at: 2018-06-30 12:09:26

Local clock offset: -0.077 ms

Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-06-30 15:12:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 292.16 Mbit/s

95th percentile per-packet one-way delay: 77.458 ms

Loss rate: 0.19%

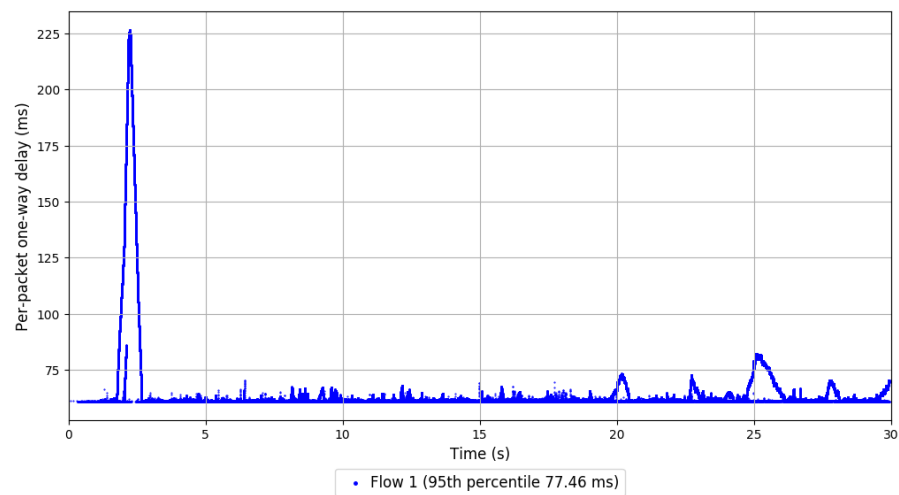
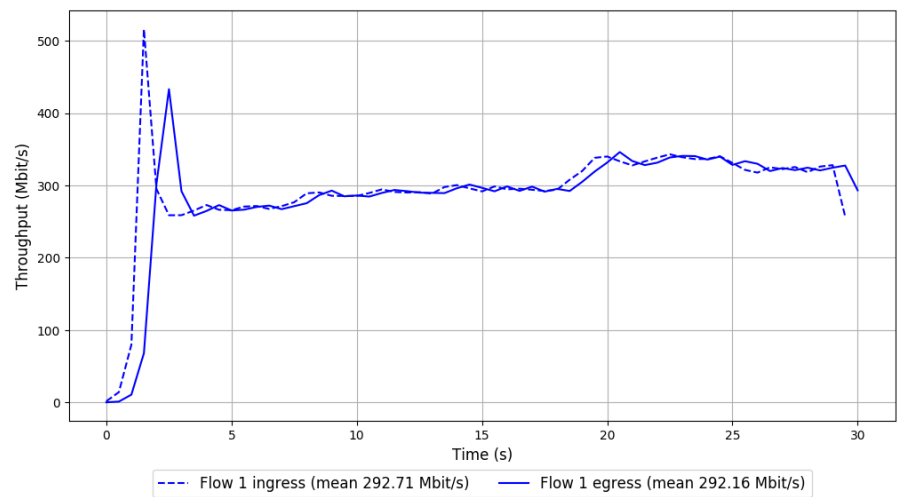
-- Flow 1:

Average throughput: 292.16 Mbit/s

95th percentile per-packet one-way delay: 77.458 ms

Loss rate: 0.19%

Run 4: Report of PCC-Allegro — Data Link

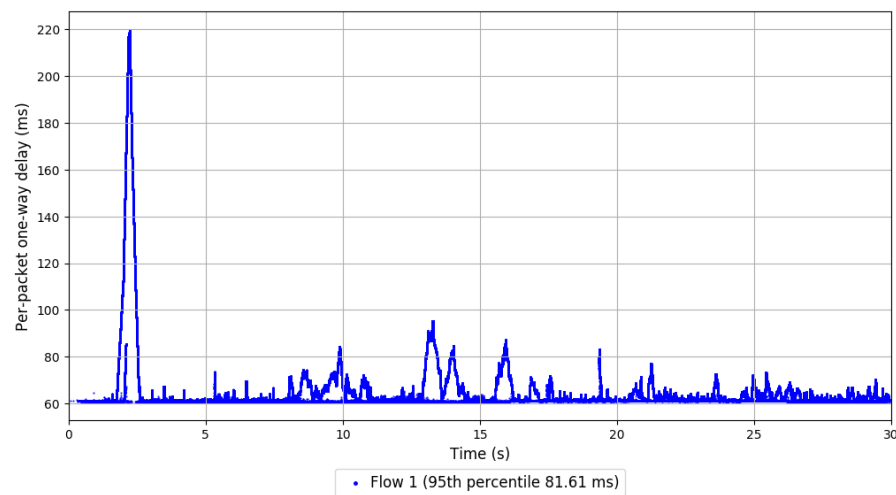
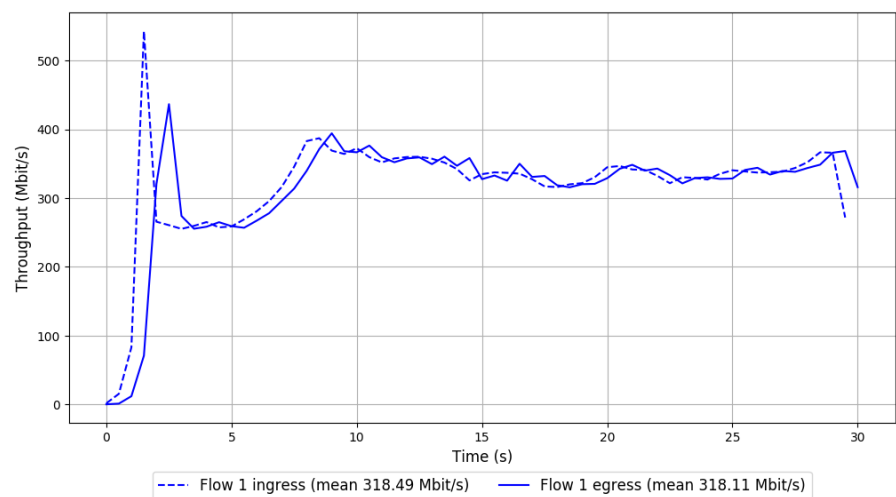


Run 5: Statistics of PCC-Allegro

Start at: 2018-06-30 12:30:10
End at: 2018-06-30 12:30:40
Local clock offset: -0.035 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-06-30 15:12:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 318.11 Mbit/s
95th percentile per-packet one-way delay: 81.606 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 318.11 Mbit/s
95th percentile per-packet one-way delay: 81.606 ms
Loss rate: 0.12%

Run 5: Report of PCC-Allegro — Data Link

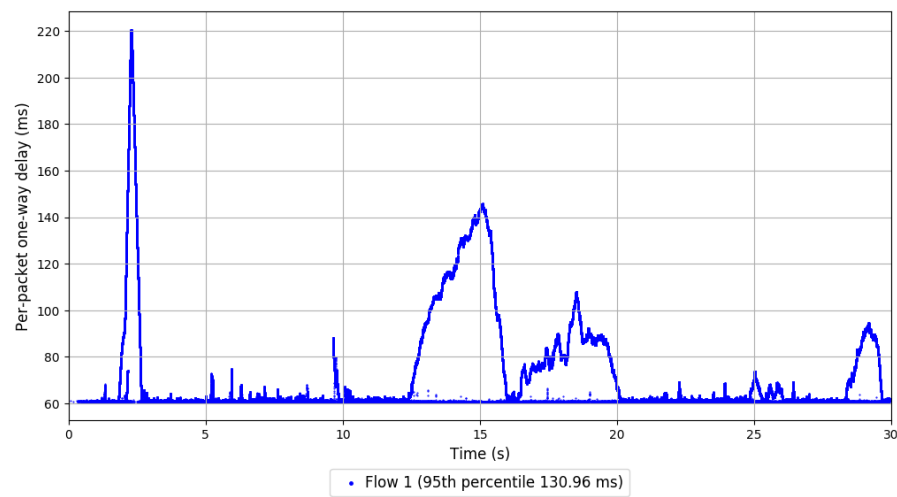
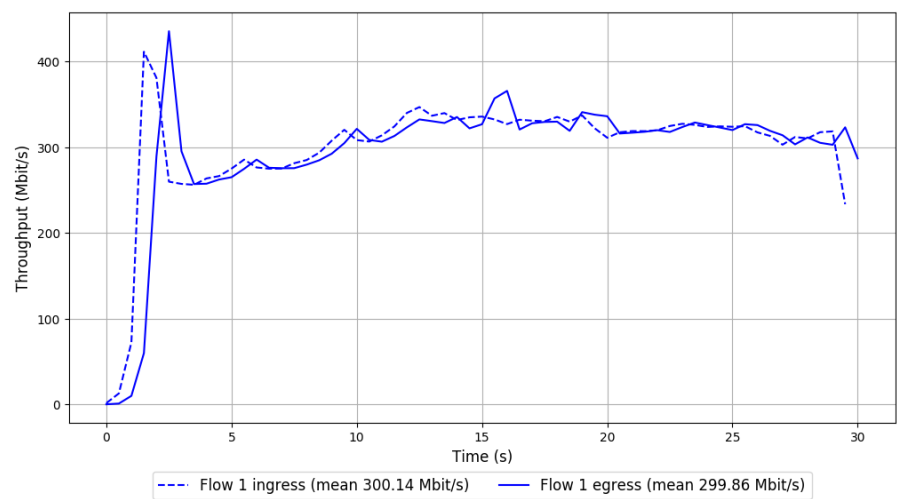


Run 6: Statistics of PCC-Allegro

Start at: 2018-06-30 12:51:20
End at: 2018-06-30 12:51:50
Local clock offset: -0.025 ms
Remote clock offset: -0.276 ms

Below is generated by plot.py at 2018-06-30 15:12:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 299.86 Mbit/s
95th percentile per-packet one-way delay: 130.955 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 299.86 Mbit/s
95th percentile per-packet one-way delay: 130.955 ms
Loss rate: 0.09%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-06-30 13:12:38

End at: 2018-06-30 13:13:08

Local clock offset: 0.004 ms

Remote clock offset: 0.28 ms

Below is generated by plot.py at 2018-06-30 15:13:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 312.43 Mbit/s

95th percentile per-packet one-way delay: 82.428 ms

Loss rate: 0.14%

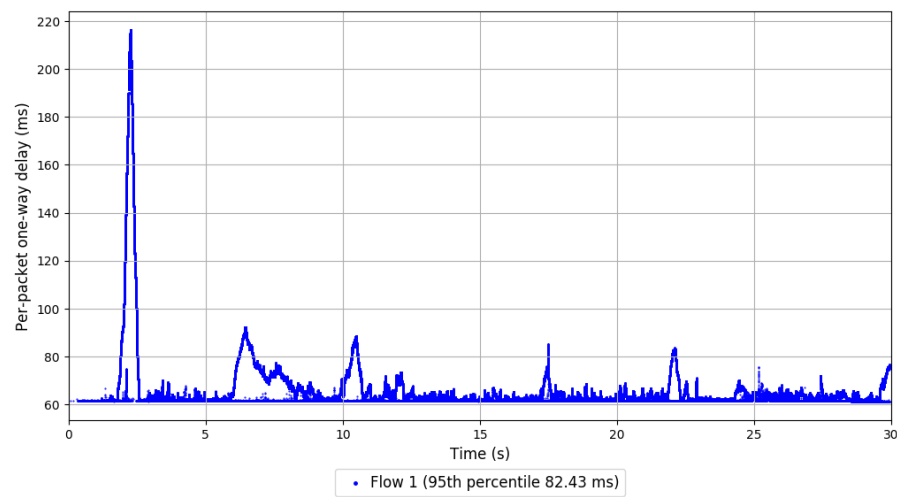
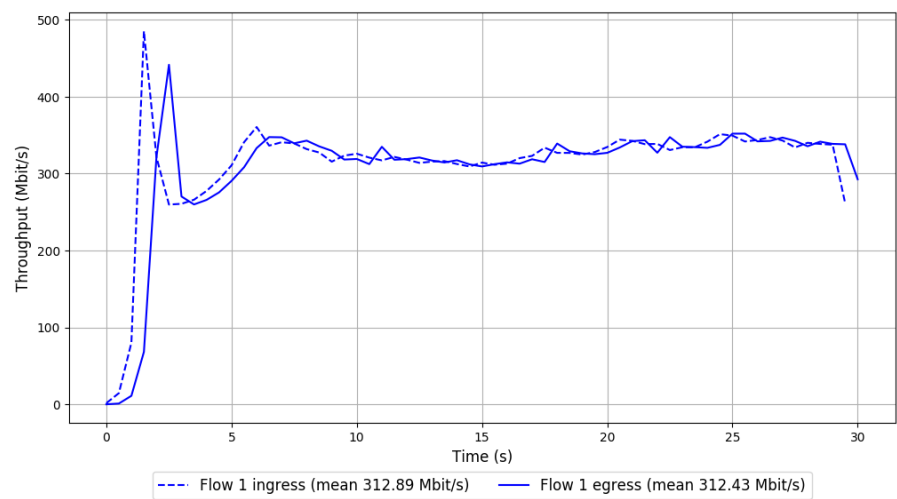
-- Flow 1:

Average throughput: 312.43 Mbit/s

95th percentile per-packet one-way delay: 82.428 ms

Loss rate: 0.14%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-06-30 13:33:45

End at: 2018-06-30 13:34:15

Local clock offset: -0.025 ms

Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-06-30 15:16:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 300.26 Mbit/s

95th percentile per-packet one-way delay: 241.015 ms

Loss rate: 0.70%

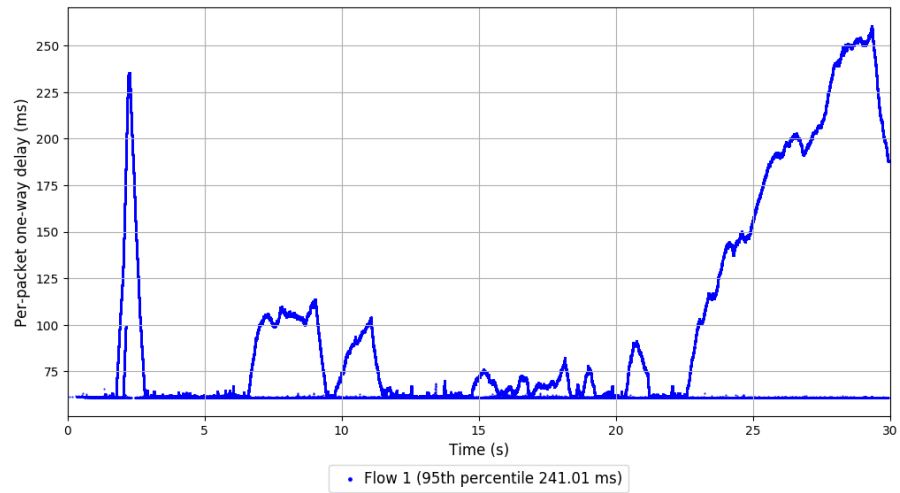
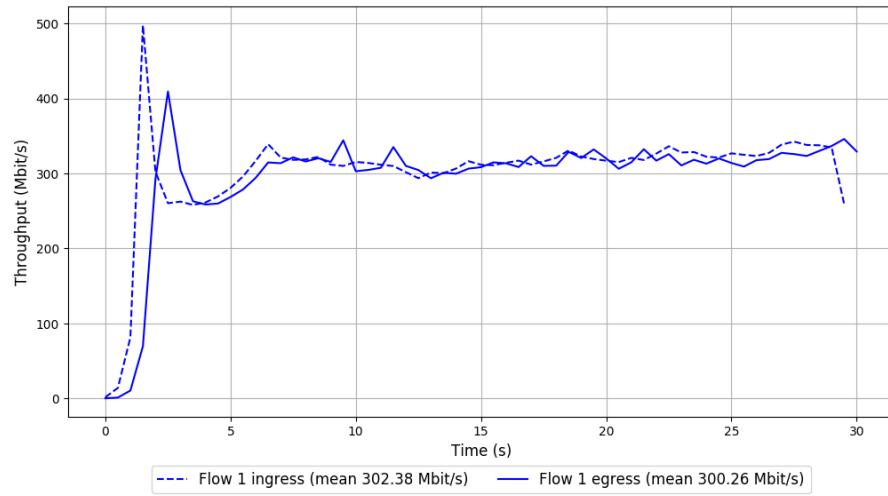
-- Flow 1:

Average throughput: 300.26 Mbit/s

95th percentile per-packet one-way delay: 241.015 ms

Loss rate: 0.70%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-06-30 13:54:50

End at: 2018-06-30 13:55:20

Local clock offset: -0.126 ms

Remote clock offset: -1.332 ms

Below is generated by plot.py at 2018-06-30 15:16:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 283.83 Mbit/s

95th percentile per-packet one-way delay: 119.338 ms

Loss rate: 0.23%

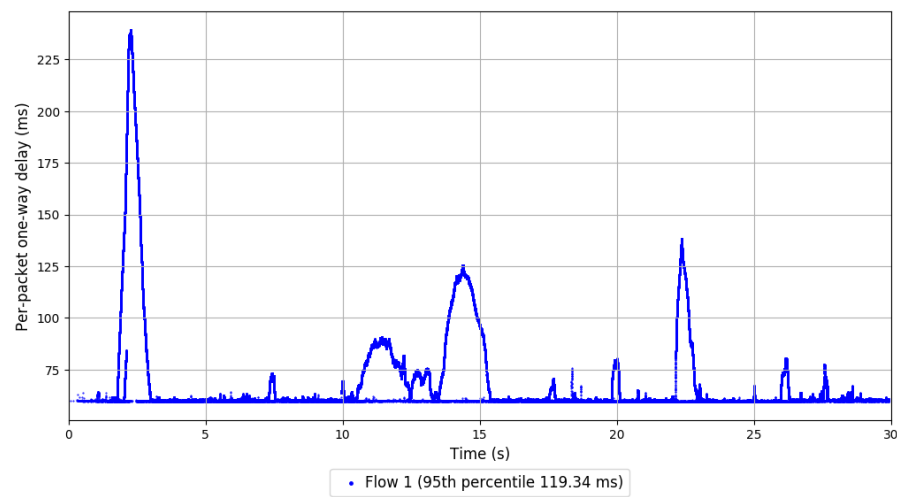
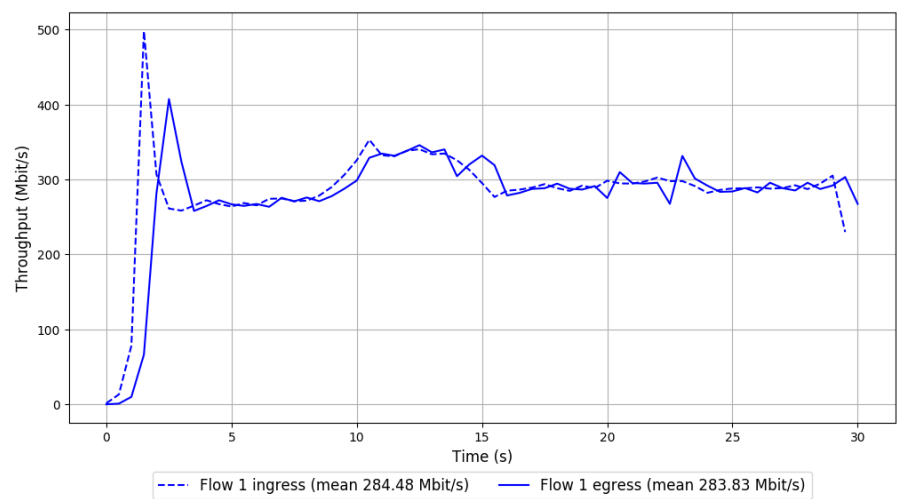
-- Flow 1:

Average throughput: 283.83 Mbit/s

95th percentile per-packet one-way delay: 119.338 ms

Loss rate: 0.23%

Run 9: Report of PCC-Allegro — Data Link

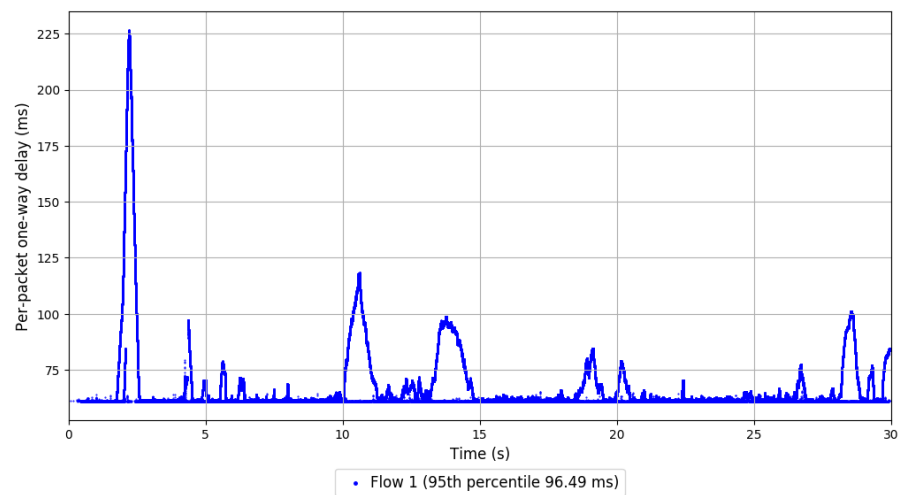
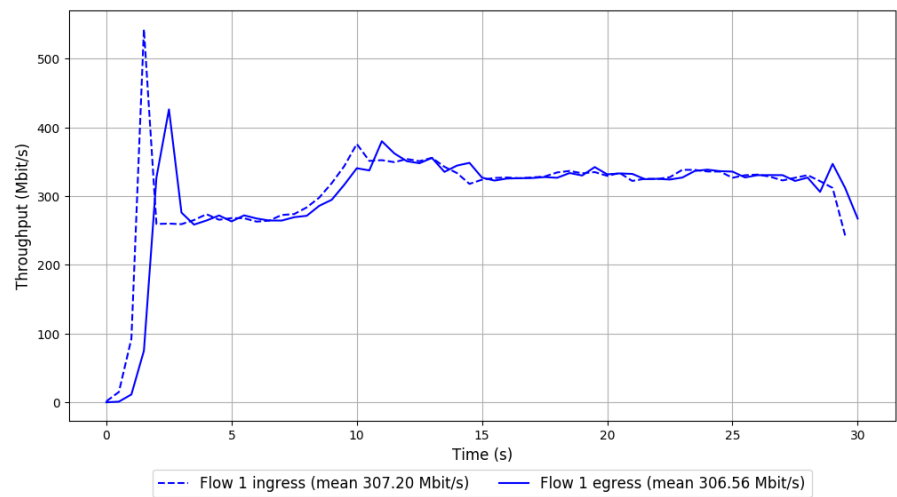


Run 10: Statistics of PCC-Allegro

Start at: 2018-06-30 14:16:25
End at: 2018-06-30 14:16:55
Local clock offset: -0.186 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-06-30 15:16:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 306.56 Mbit/s
95th percentile per-packet one-way delay: 96.494 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 306.56 Mbit/s
95th percentile per-packet one-way delay: 96.494 ms
Loss rate: 0.20%

Run 10: Report of PCC-Allegro — Data Link

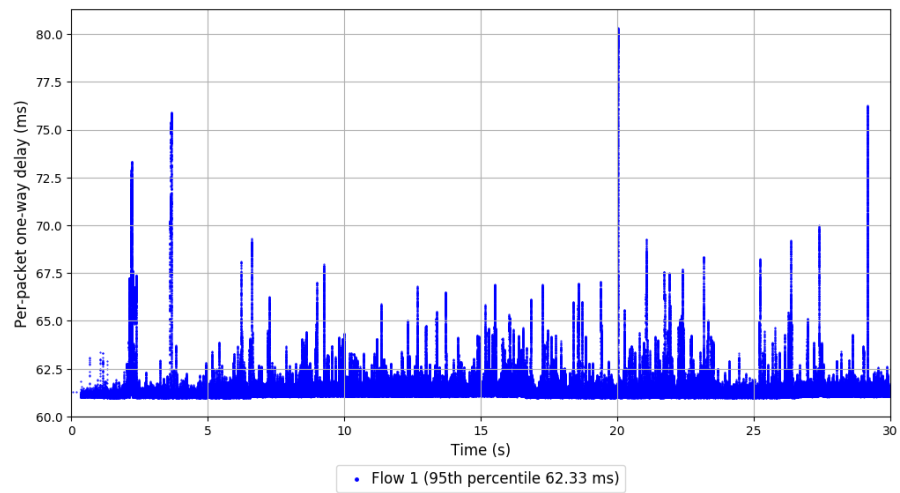
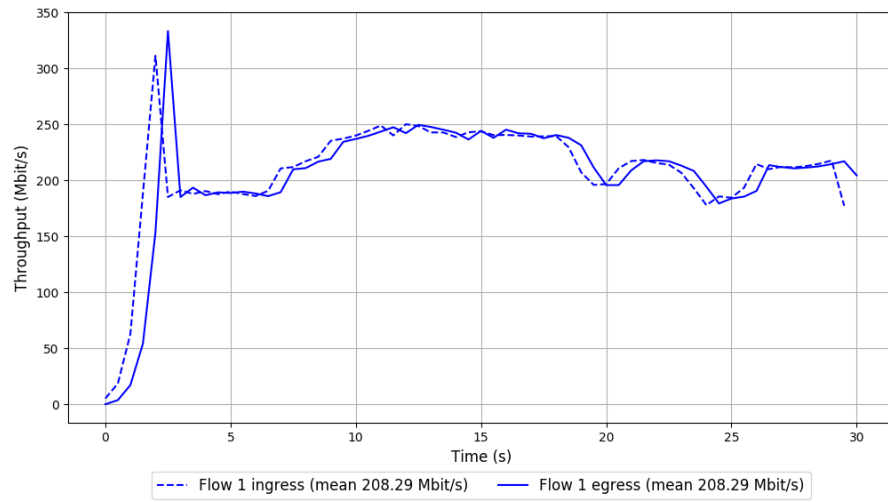


```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-30 10:57:10
End at: 2018-06-30 10:57:40
Local clock offset: 0.032 ms
Remote clock offset: 0.184 ms

# Below is generated by plot.py at 2018-06-30 15:18:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 208.29 Mbit/s
95th percentile per-packet one-way delay: 62.328 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 208.29 Mbit/s
95th percentile per-packet one-way delay: 62.328 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Expr — Data Link

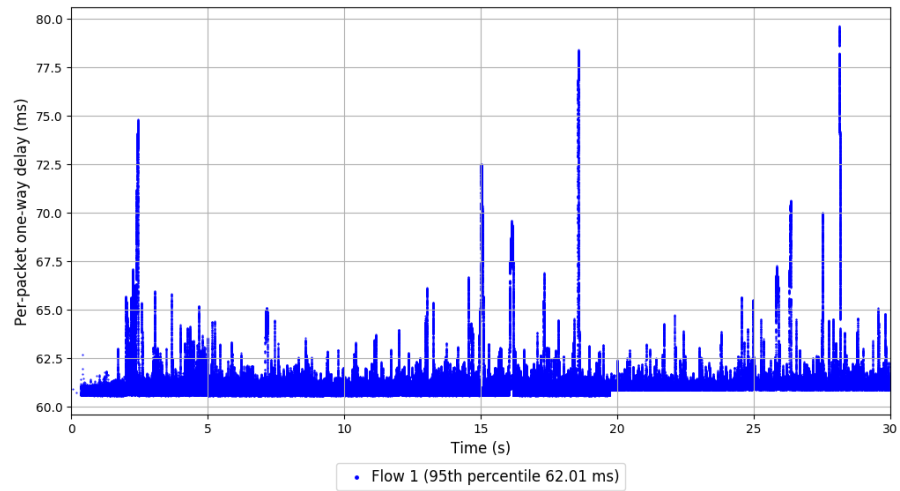
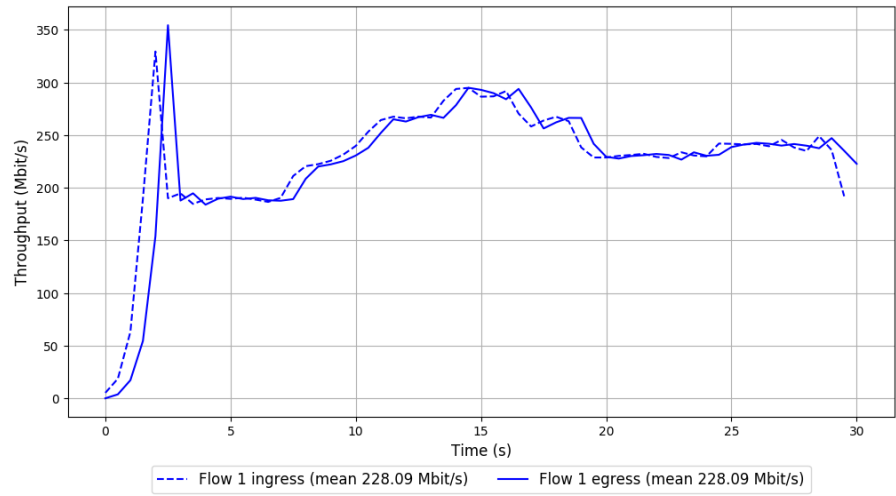


Run 2: Statistics of PCC-Expr

Start at: 2018-06-30 11:18:36
End at: 2018-06-30 11:19:06
Local clock offset: 0.064 ms
Remote clock offset: -0.165 ms

Below is generated by plot.py at 2018-06-30 15:19:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 228.09 Mbit/s
95th percentile per-packet one-way delay: 62.013 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 228.09 Mbit/s
95th percentile per-packet one-way delay: 62.013 ms
Loss rate: 0.00%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-06-30 11:39:59

End at: 2018-06-30 11:40:29

Local clock offset: -0.017 ms

Remote clock offset: 0.319 ms

Below is generated by plot.py at 2018-06-30 15:20:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 232.73 Mbit/s

95th percentile per-packet one-way delay: 62.330 ms

Loss rate: 0.00%

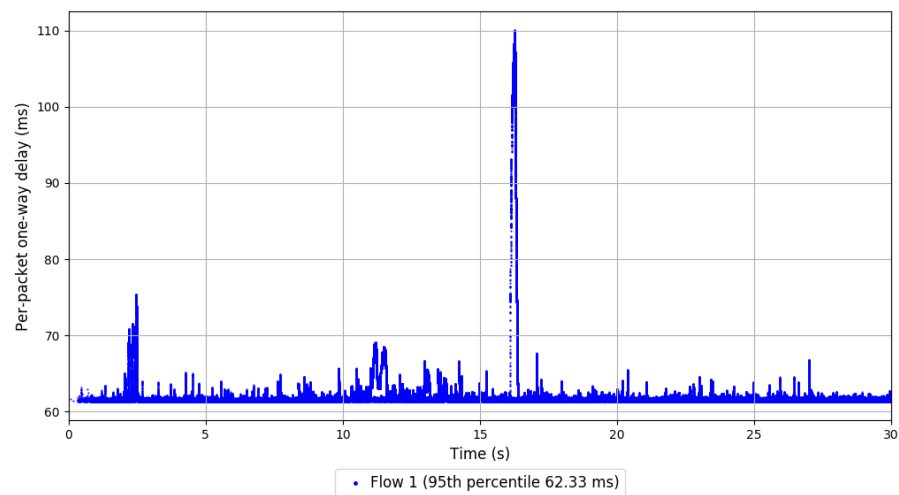
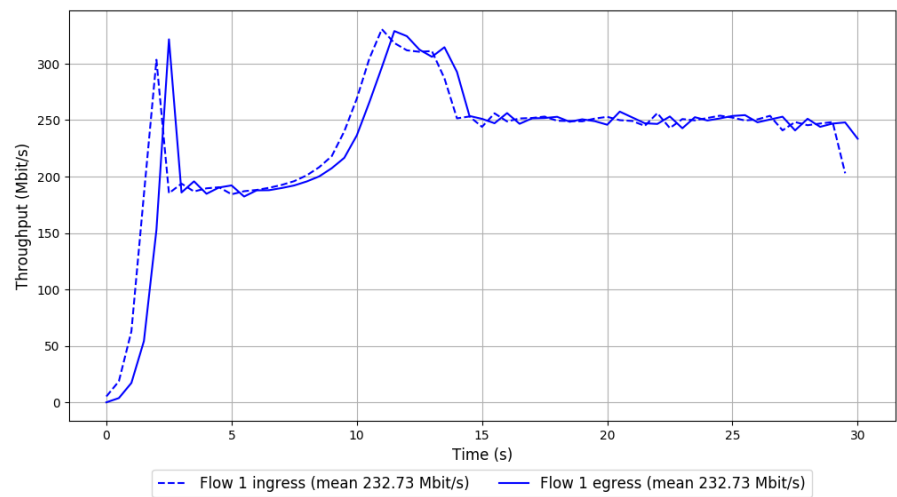
-- Flow 1:

Average throughput: 232.73 Mbit/s

95th percentile per-packet one-way delay: 62.330 ms

Loss rate: 0.00%

Run 3: Report of PCC-Expr — Data Link

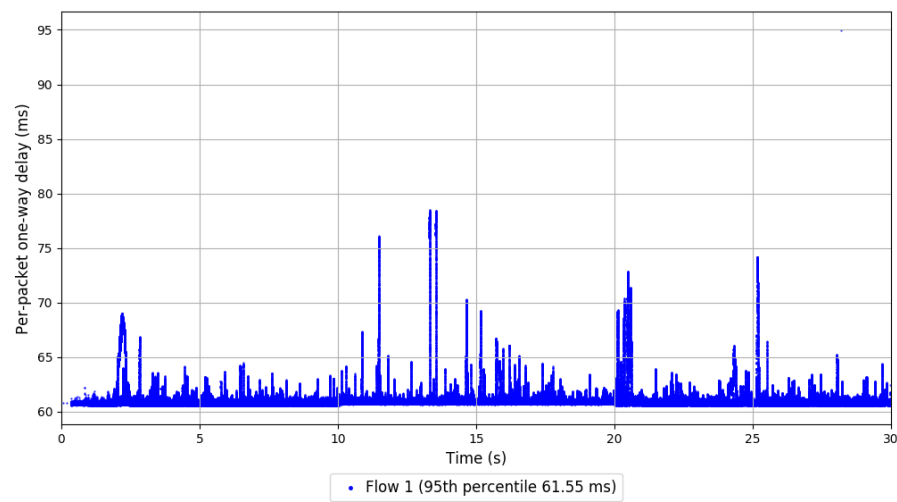
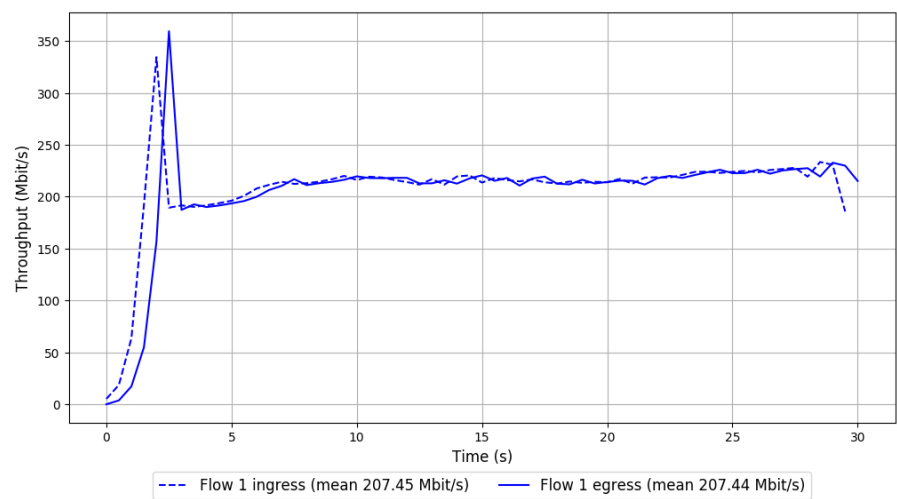


Run 4: Statistics of PCC-Expr

Start at: 2018-06-30 12:01:16
End at: 2018-06-30 12:01:46
Local clock offset: -0.116 ms
Remote clock offset: -0.259 ms

Below is generated by plot.py at 2018-06-30 15:20:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 207.44 Mbit/s
95th percentile per-packet one-way delay: 61.553 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 207.44 Mbit/s
95th percentile per-packet one-way delay: 61.553 ms
Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-06-30 12:22:31

End at: 2018-06-30 12:23:01

Local clock offset: -0.028 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-06-30 15:21:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.44 Mbit/s

95th percentile per-packet one-way delay: 61.995 ms

Loss rate: 0.00%

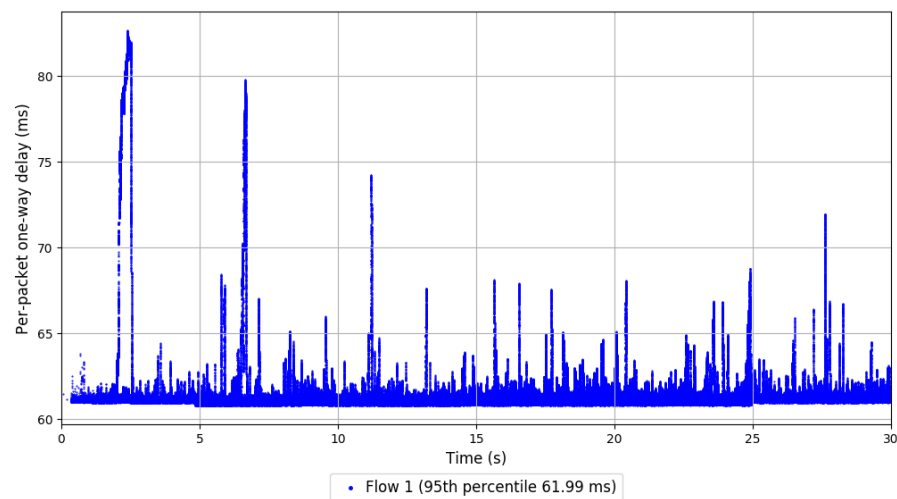
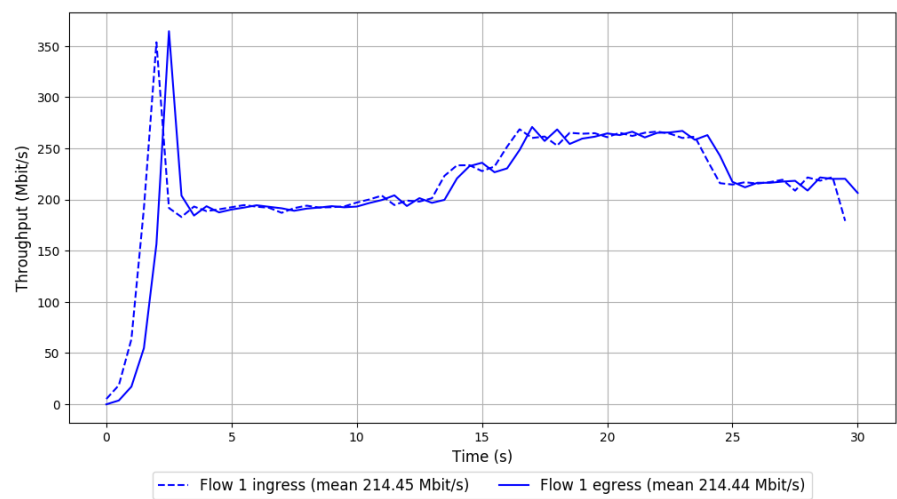
-- Flow 1:

Average throughput: 214.44 Mbit/s

95th percentile per-packet one-way delay: 61.995 ms

Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link

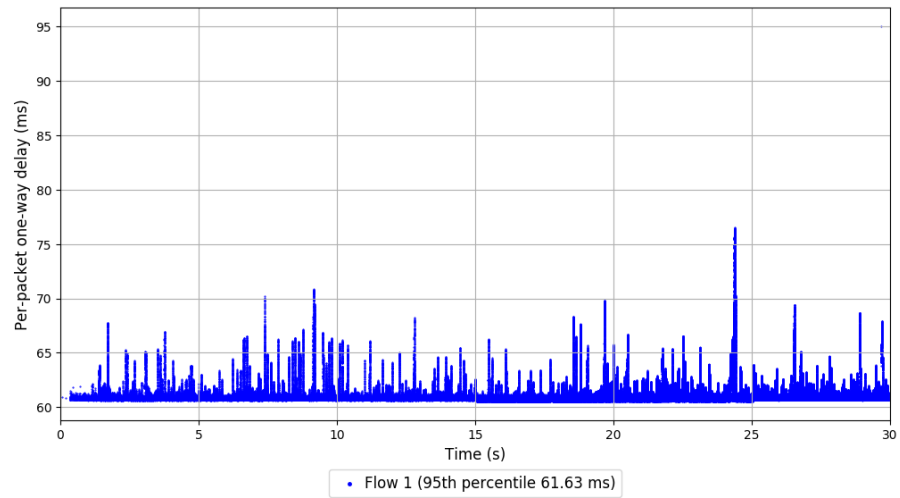
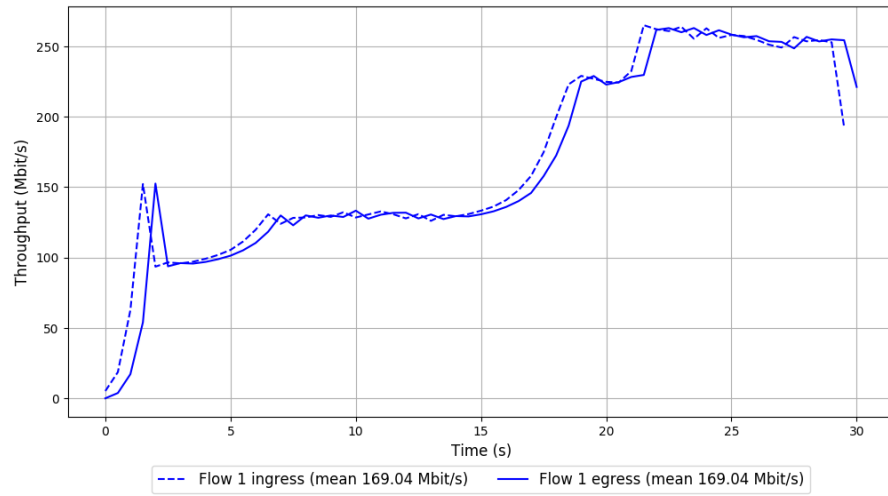


Run 6: Statistics of PCC-Expr

Start at: 2018-06-30 12:43:41
End at: 2018-06-30 12:44:11
Local clock offset: -0.025 ms
Remote clock offset: -0.351 ms

Below is generated by plot.py at 2018-06-30 15:23:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 169.04 Mbit/s
95th percentile per-packet one-way delay: 61.630 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 169.04 Mbit/s
95th percentile per-packet one-way delay: 61.630 ms
Loss rate: 0.00%

Run 6: Report of PCC-Expr — Data Link

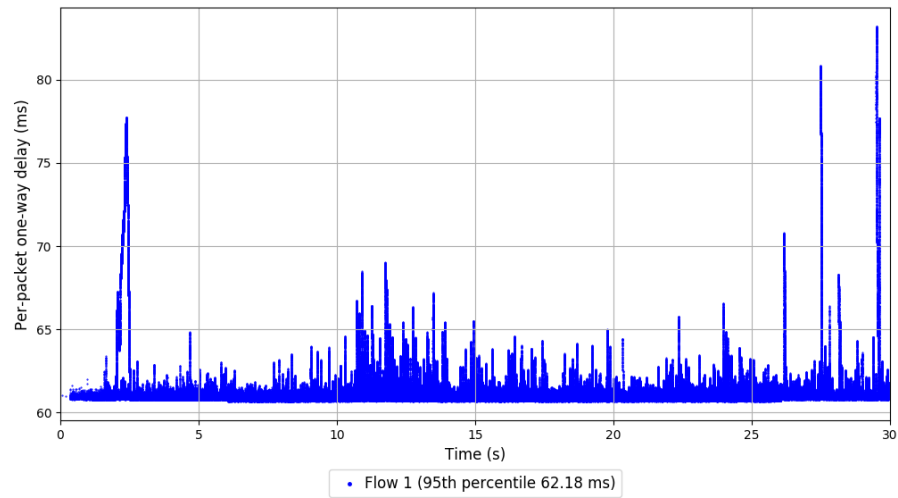
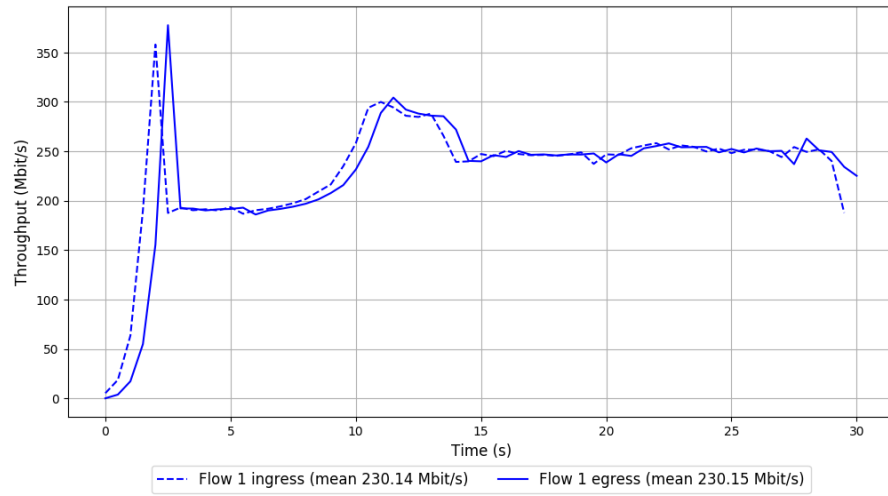


Run 7: Statistics of PCC-Expr

Start at: 2018-06-30 13:05:00
End at: 2018-06-30 13:05:30
Local clock offset: -0.049 ms
Remote clock offset: -0.271 ms

Below is generated by plot.py at 2018-06-30 15:25:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 230.15 Mbit/s
95th percentile per-packet one-way delay: 62.179 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 230.15 Mbit/s
95th percentile per-packet one-way delay: 62.179 ms
Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link

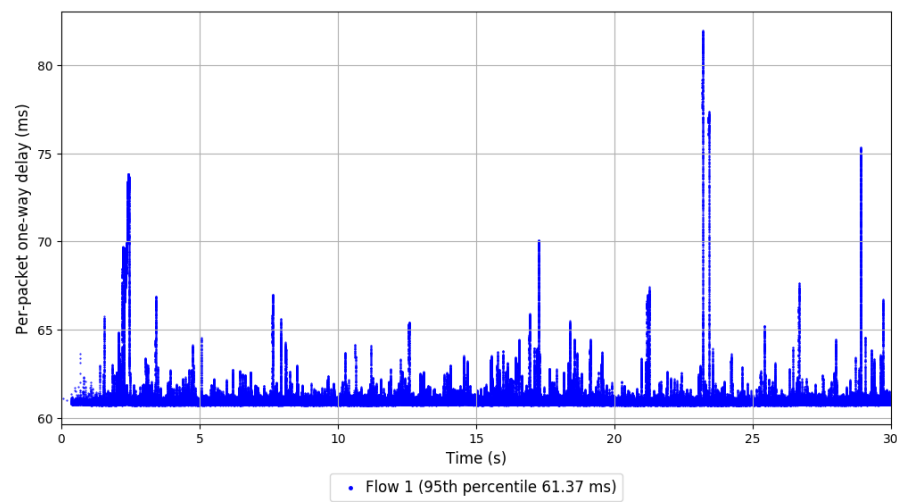
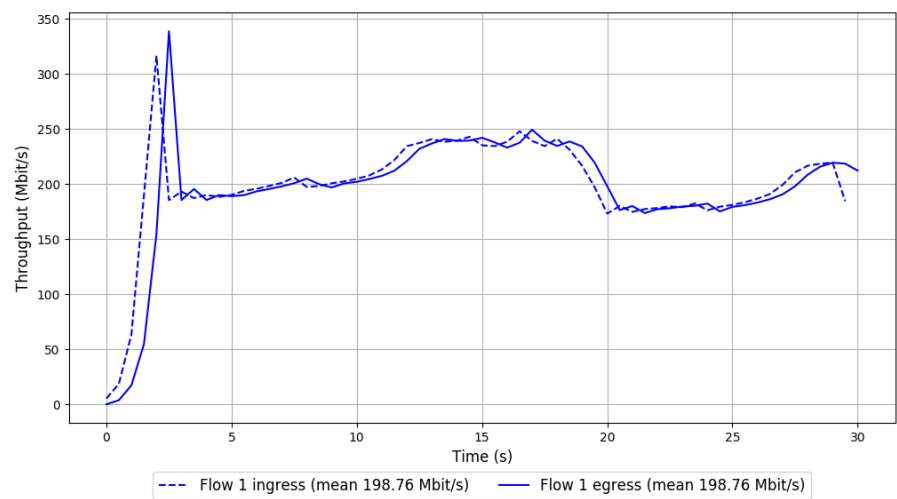


Run 8: Statistics of PCC-Expr

Start at: 2018-06-30 13:26:06
End at: 2018-06-30 13:26:36
Local clock offset: -0.049 ms
Remote clock offset: -0.292 ms

Below is generated by plot.py at 2018-06-30 15:25:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 198.76 Mbit/s
95th percentile per-packet one-way delay: 61.369 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 198.76 Mbit/s
95th percentile per-packet one-way delay: 61.369 ms
Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-06-30 13:47:21

End at: 2018-06-30 13:47:51

Local clock offset: -0.055 ms

Remote clock offset: 1.182 ms

Below is generated by plot.py at 2018-06-30 15:25:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 133.82 Mbit/s

95th percentile per-packet one-way delay: 67.383 ms

Loss rate: 0.00%

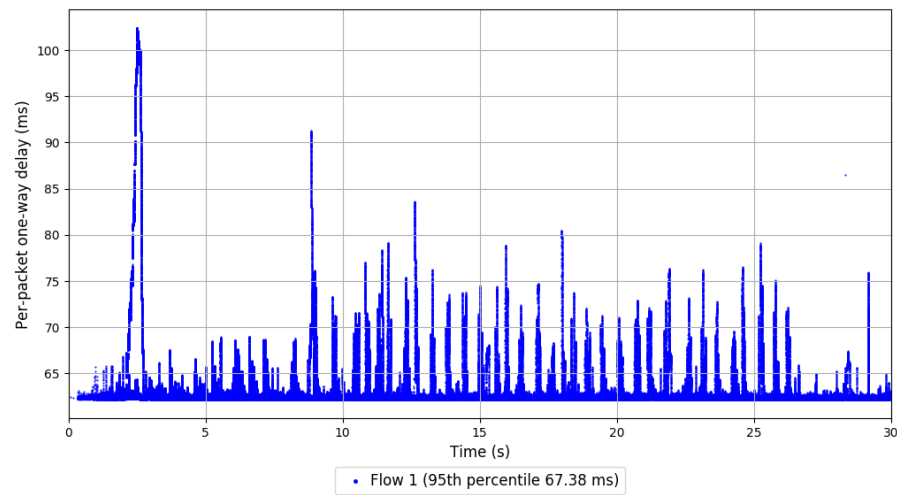
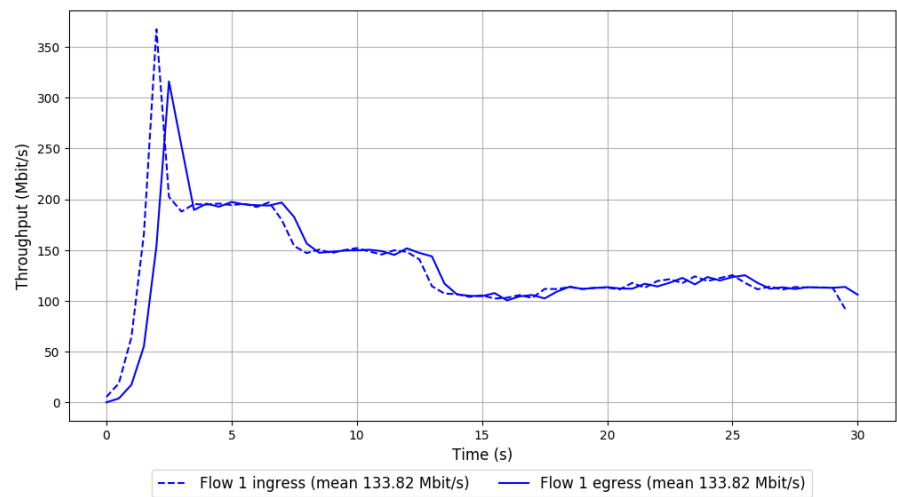
-- Flow 1:

Average throughput: 133.82 Mbit/s

95th percentile per-packet one-way delay: 67.383 ms

Loss rate: 0.00%

Run 9: Report of PCC-Expr — Data Link

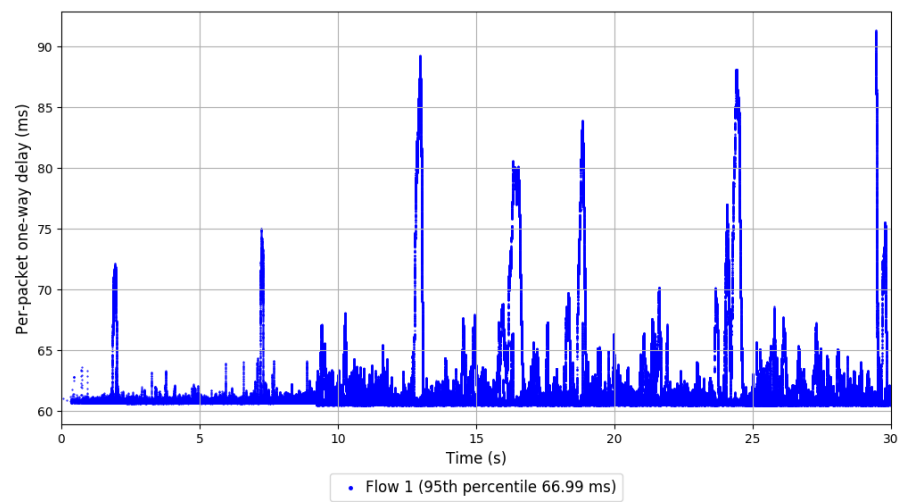
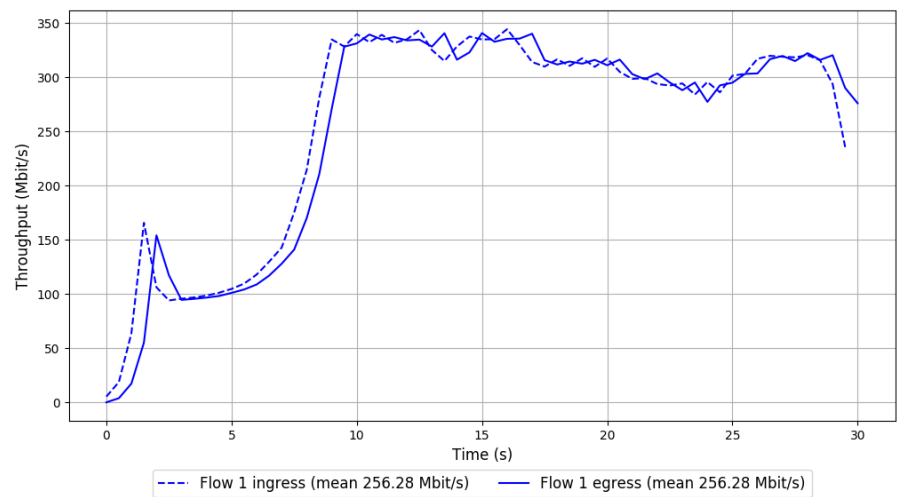


Run 10: Statistics of PCC-Expr

Start at: 2018-06-30 14:08:37
End at: 2018-06-30 14:09:07
Local clock offset: -0.173 ms
Remote clock offset: -0.299 ms

Below is generated by plot.py at 2018-06-30 15:30:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 256.28 Mbit/s
95th percentile per-packet one-way delay: 66.988 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 256.28 Mbit/s
95th percentile per-packet one-way delay: 66.988 ms
Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-06-30 10:53:29

End at: 2018-06-30 10:53:59

Local clock offset: 0.072 ms

Remote clock offset: -0.235 ms

Below is generated by plot.py at 2018-06-30 15:30:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.17 Mbit/s

95th percentile per-packet one-way delay: 61.248 ms

Loss rate: 0.00%

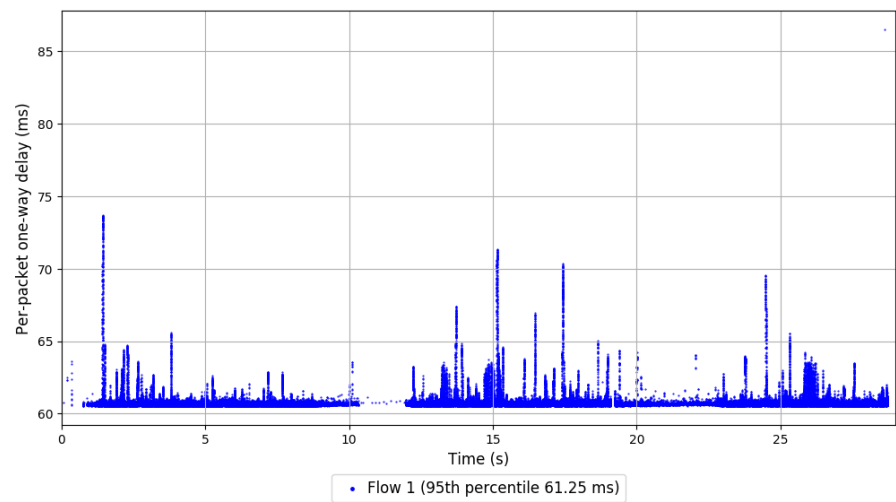
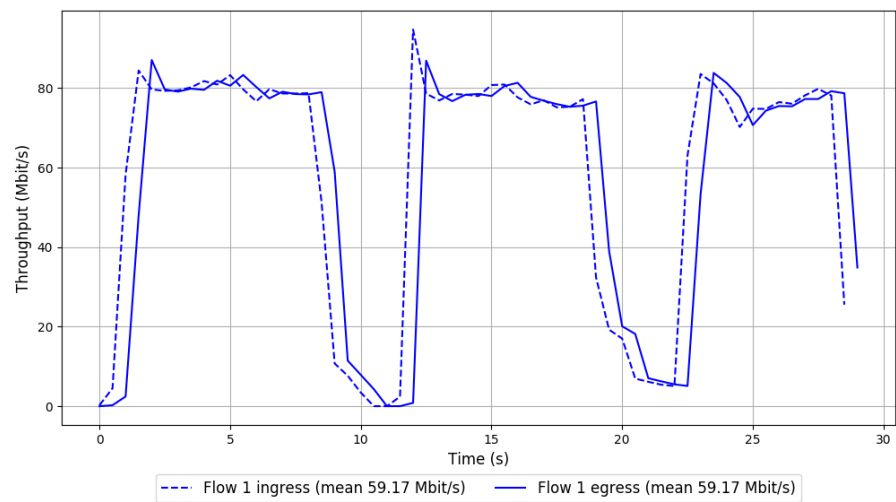
-- Flow 1:

Average throughput: 59.17 Mbit/s

95th percentile per-packet one-way delay: 61.248 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

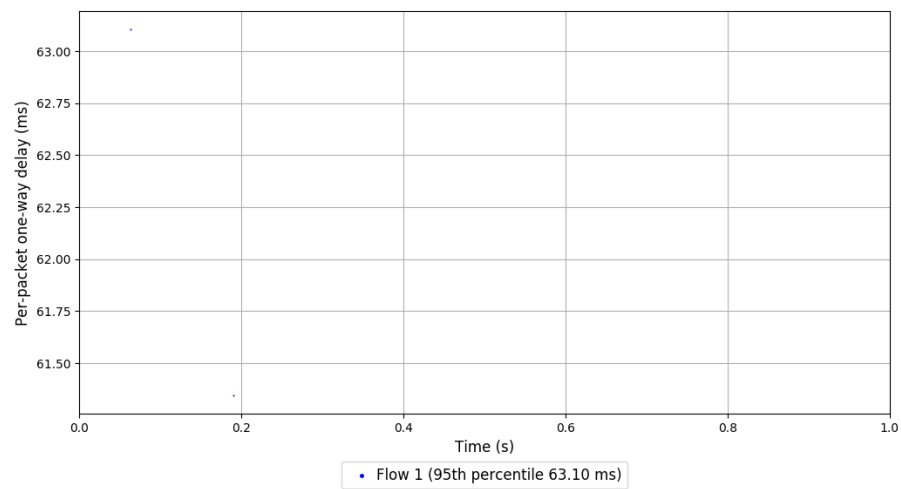
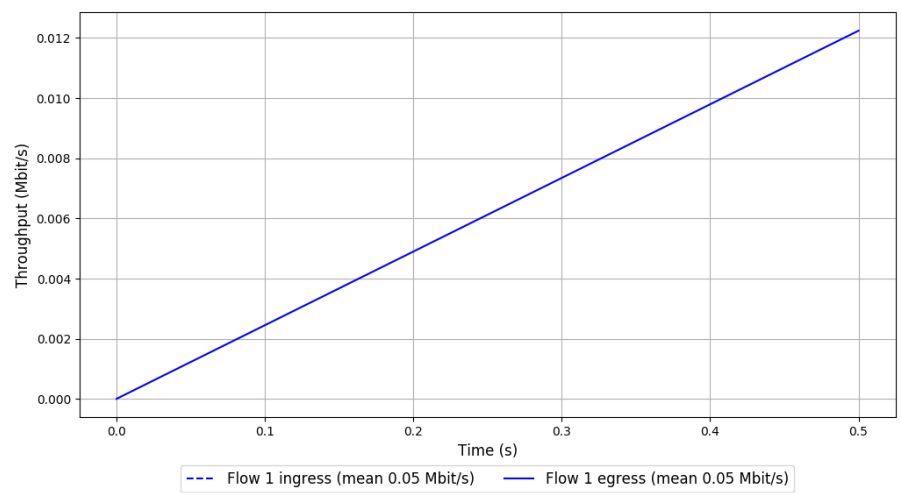
Start at: 2018-06-30 11:14:58

End at: 2018-06-30 11:15:28

Local clock offset: 0.036 ms

Remote clock offset: 0.093 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-06-30 11:36:24

End at: 2018-06-30 11:36:54

Local clock offset: -0.031 ms

Remote clock offset: -0.168 ms

Below is generated by plot.py at 2018-06-30 15:30:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.38 Mbit/s

95th percentile per-packet one-way delay: 61.234 ms

Loss rate: 0.00%

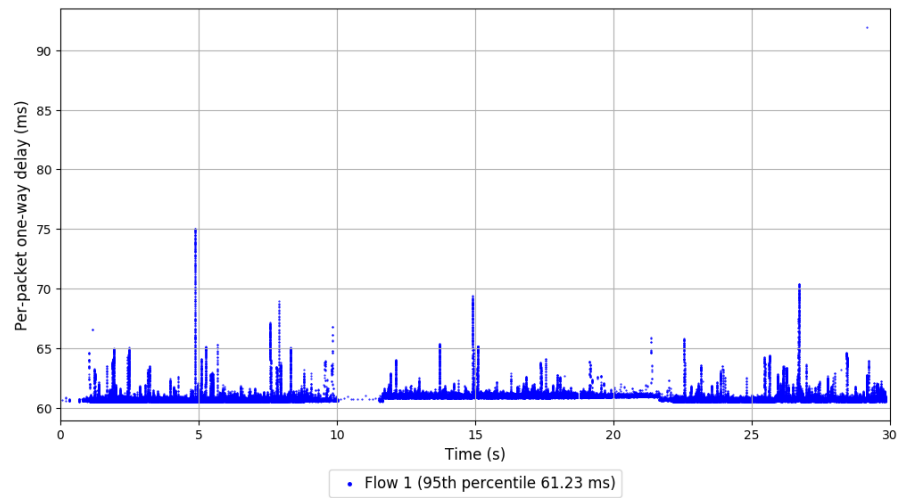
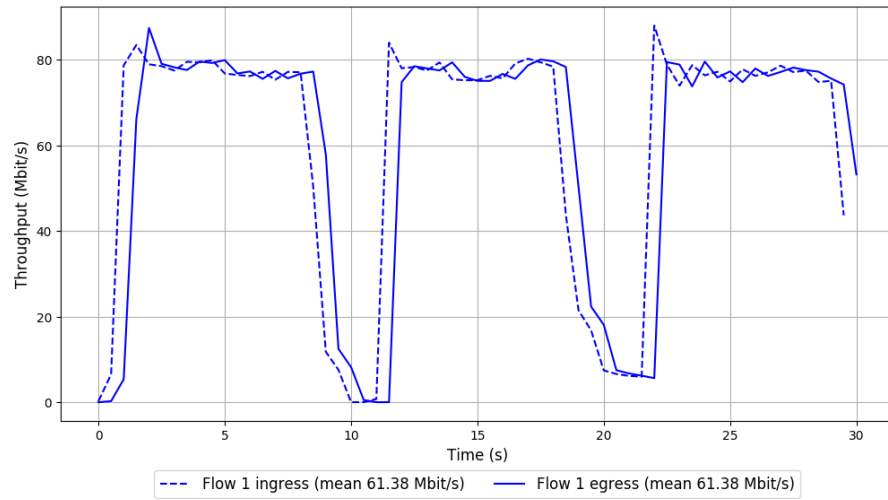
-- Flow 1:

Average throughput: 61.38 Mbit/s

95th percentile per-packet one-way delay: 61.234 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link

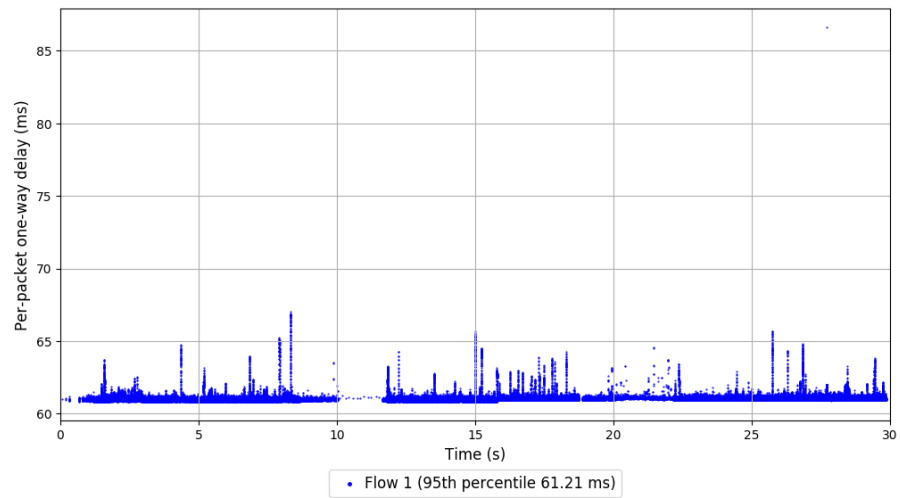
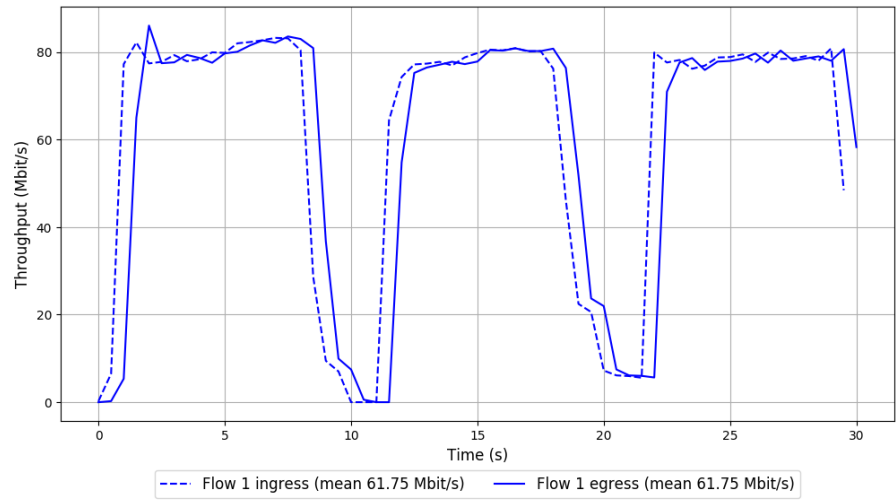


Run 4: Statistics of QUIC Cubic

Start at: 2018-06-30 11:57:40
End at: 2018-06-30 11:58:10
Local clock offset: -0.117 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-06-30 15:30:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.75 Mbit/s
95th percentile per-packet one-way delay: 61.206 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.75 Mbit/s
95th percentile per-packet one-way delay: 61.206 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-06-30 12:18:59

End at: 2018-06-30 12:19:29

Local clock offset: -0.031 ms

Remote clock offset: 0.233 ms

Below is generated by plot.py at 2018-06-30 15:30:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.26 Mbit/s

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

Loss rate: 0.00%

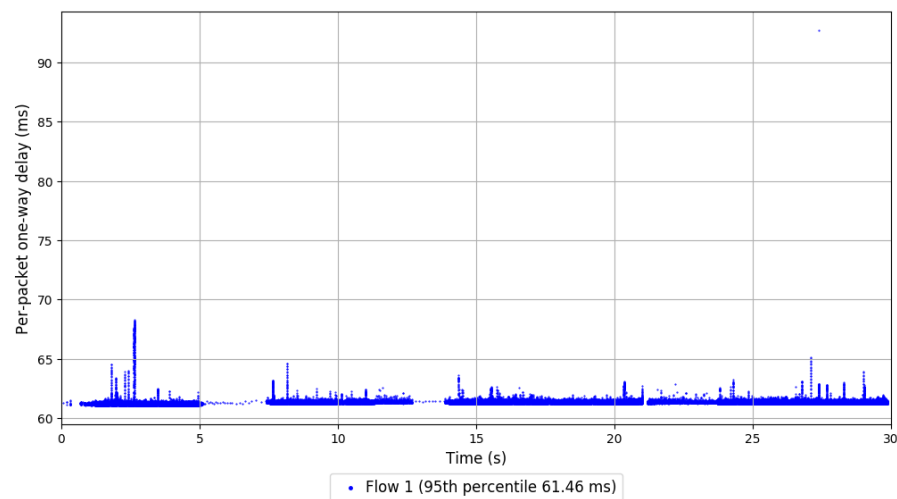
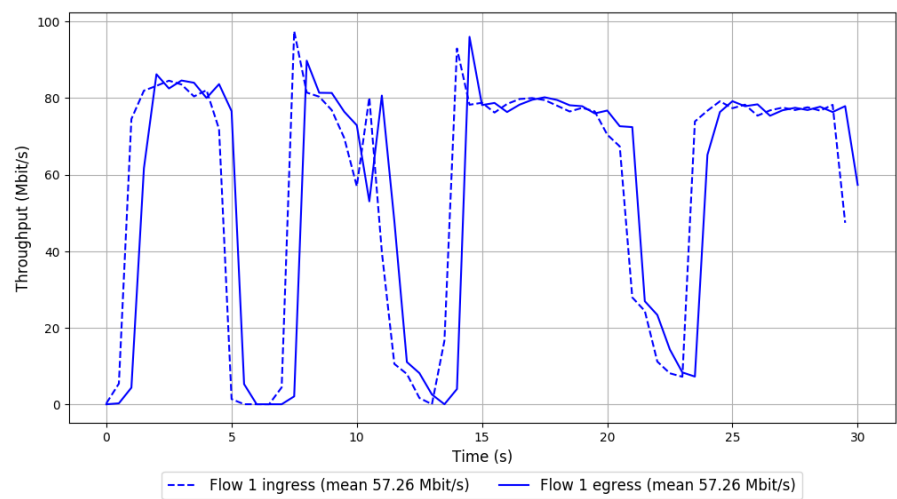
-- Flow 1:

Average throughput: 57.26 Mbit/s

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

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-06-30 12:40:08

End at: 2018-06-30 12:40:38

Local clock offset: -0.004 ms

Remote clock offset: -0.164 ms

Below is generated by plot.py at 2018-06-30 15:30:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.87 Mbit/s

95th percentile per-packet one-way delay: 61.292 ms

Loss rate: 0.00%

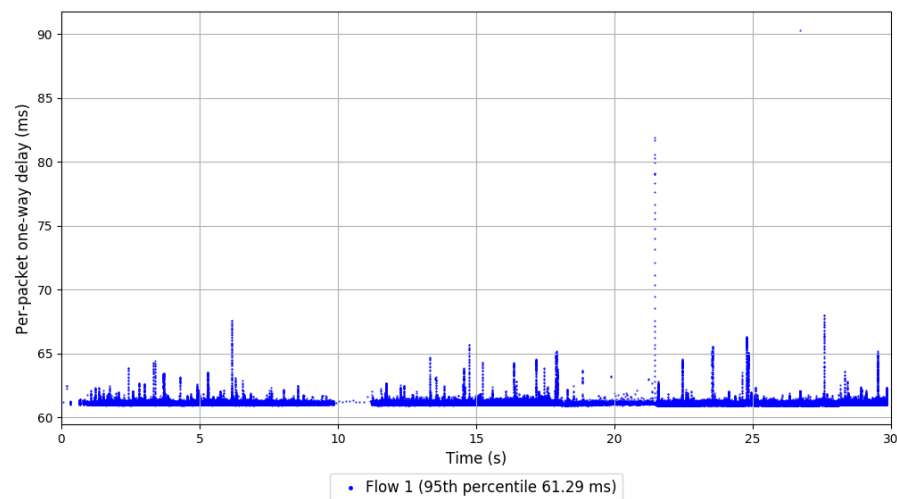
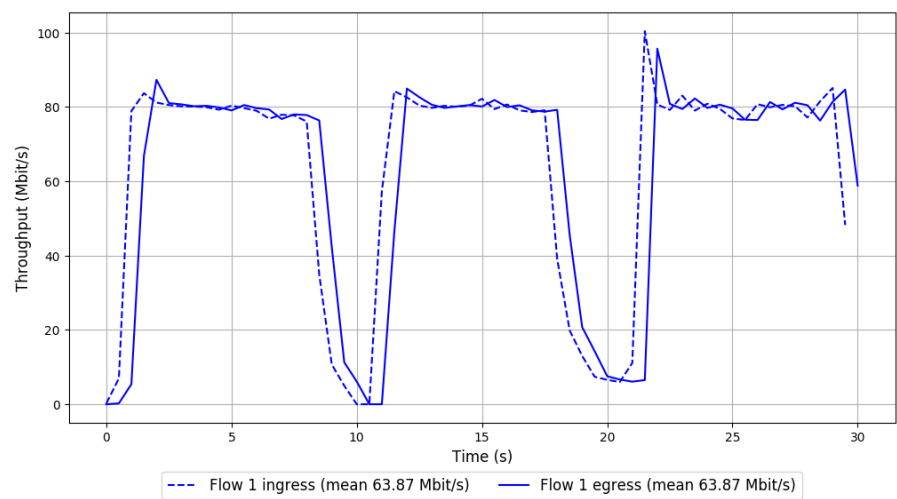
-- Flow 1:

Average throughput: 63.87 Mbit/s

95th percentile per-packet one-way delay: 61.292 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-06-30 13:01:18

End at: 2018-06-30 13:01:48

Local clock offset: 0.022 ms

Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-06-30 15:30:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.55 Mbit/s

95th percentile per-packet one-way delay: 61.135 ms

Loss rate: 0.00%

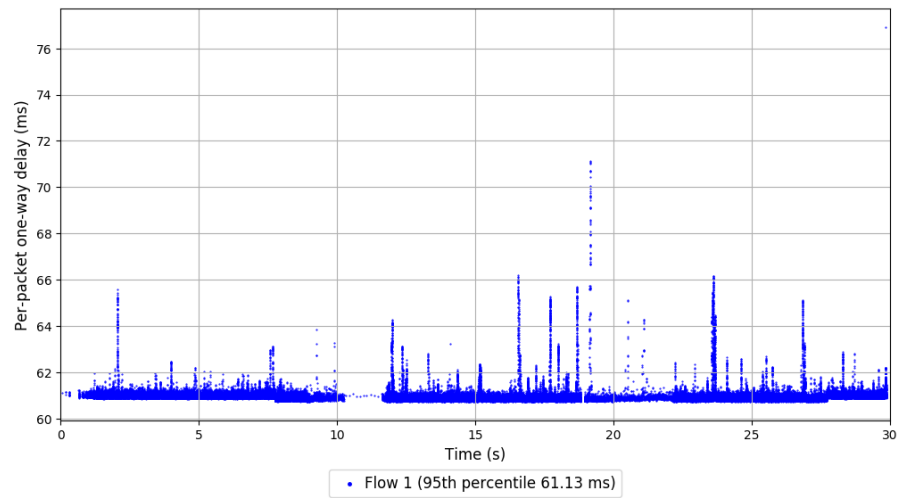
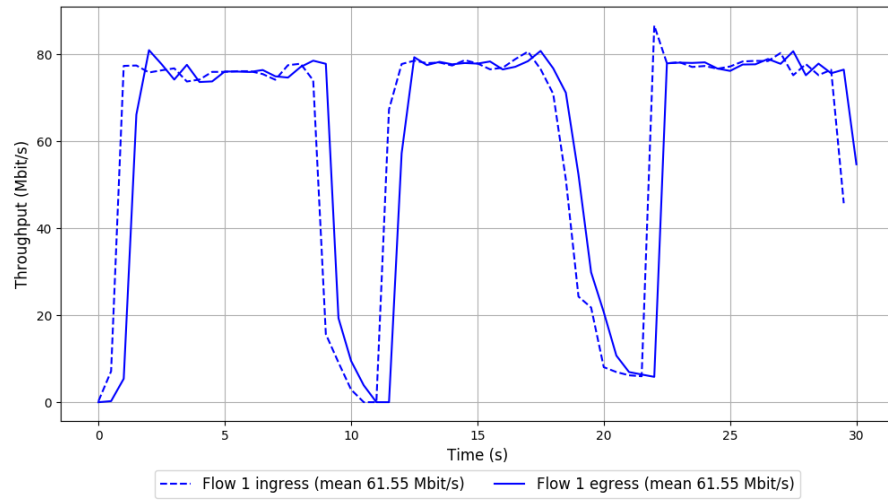
-- Flow 1:

Average throughput: 61.55 Mbit/s

95th percentile per-packet one-way delay: 61.135 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-06-30 13:22:32

End at: 2018-06-30 13:23:02

Local clock offset: -0.003 ms

Remote clock offset: 0.23 ms

Below is generated by plot.py at 2018-06-30 15:30:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 61.443 ms

Loss rate: 3.59%

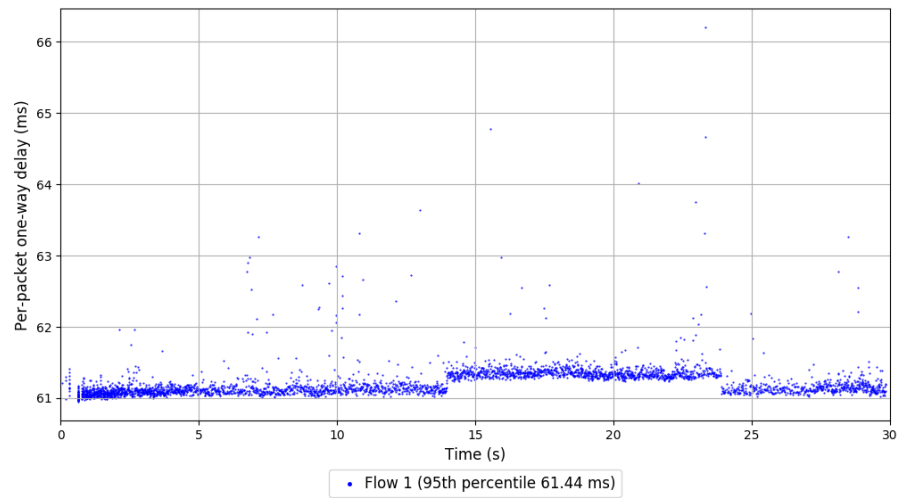
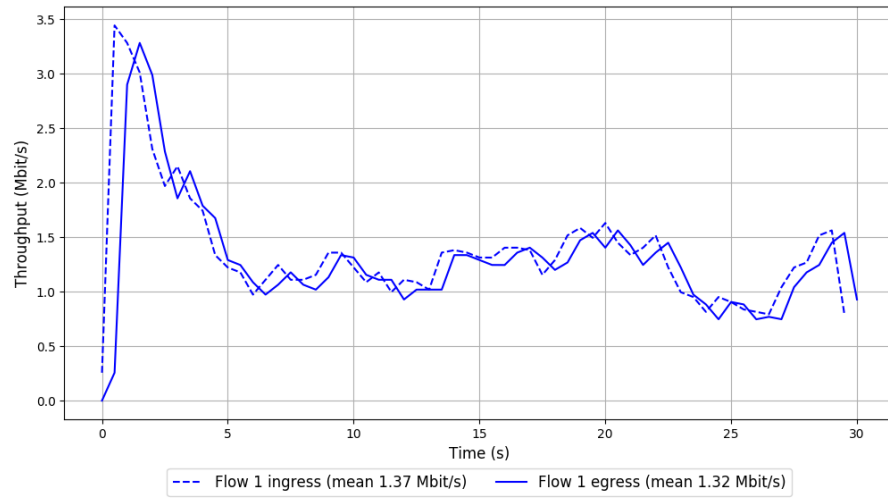
-- Flow 1:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 61.443 ms

Loss rate: 3.59%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-06-30 13:43:49

End at: 2018-06-30 13:44:19

Local clock offset: -0.043 ms

Remote clock offset: 0.907 ms

Below is generated by plot.py at 2018-06-30 15:30:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.51 Mbit/s

95th percentile per-packet one-way delay: 62.068 ms

Loss rate: 0.00%

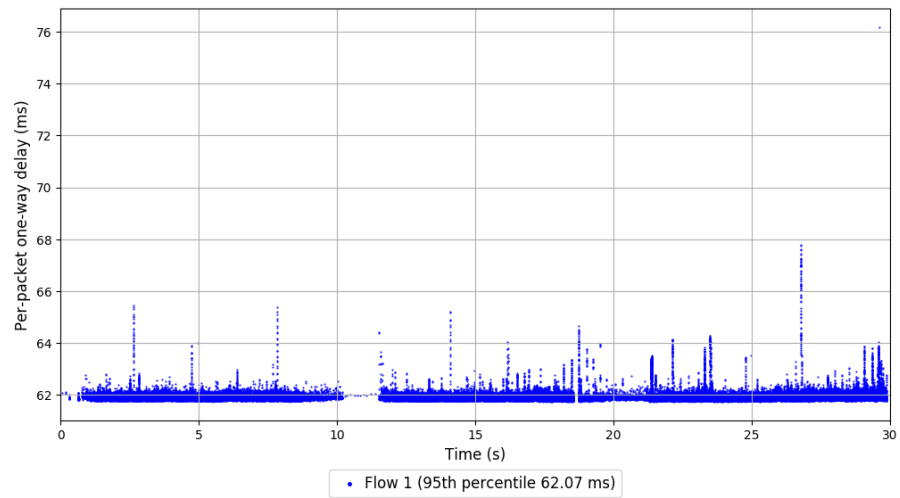
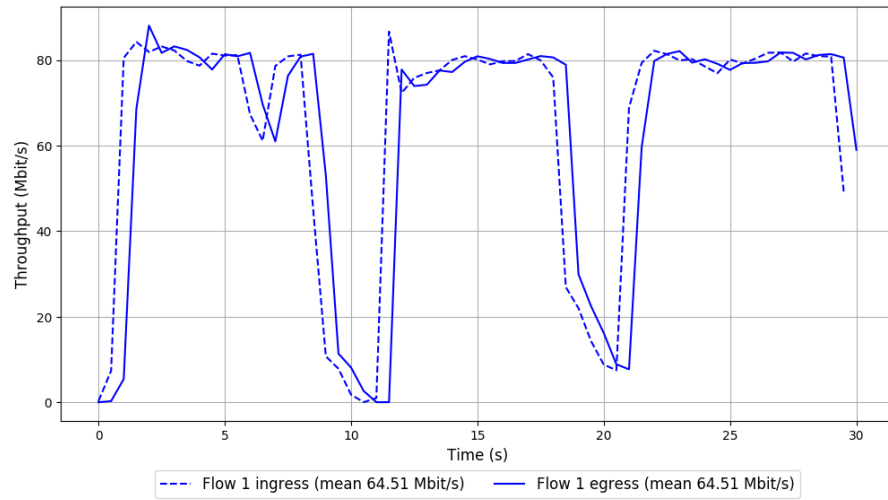
-- Flow 1:

Average throughput: 64.51 Mbit/s

95th percentile per-packet one-way delay: 62.068 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

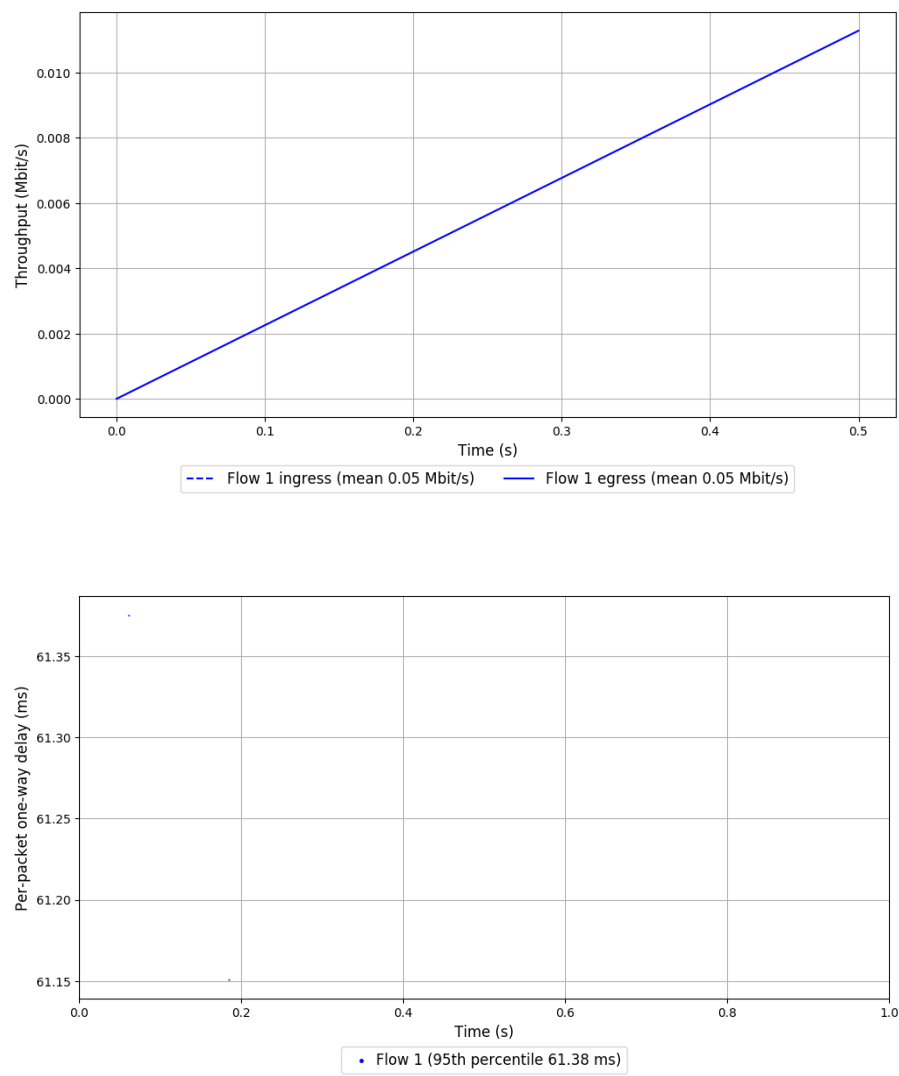
Start at: 2018-06-30 14:05:05

End at: 2018-06-30 14:05:35

Local clock offset: -0.201 ms

Remote clock offset: -0.035 ms

Run 10: Report of QUIC Cubic — Data Link

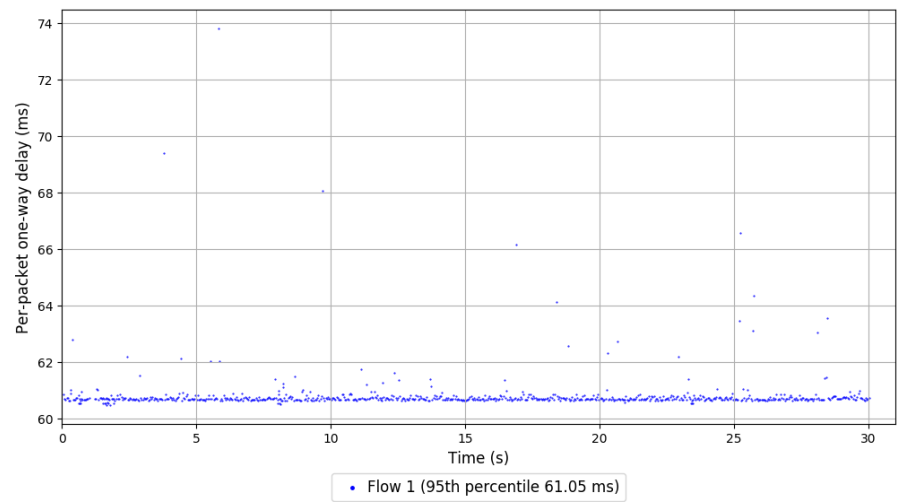
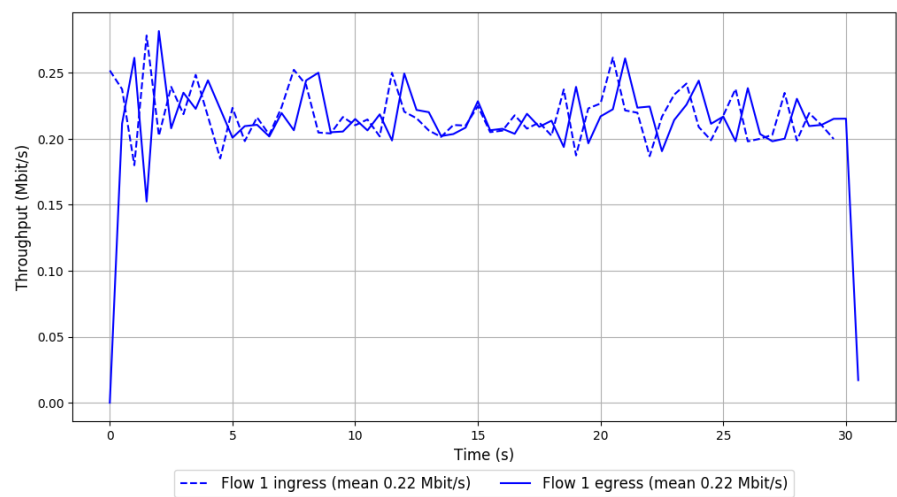


```
Run 1: Statistics of SCReAM

Start at: 2018-06-30 11:08:50
End at: 2018-06-30 11:09:20
Local clock offset: 0.023 ms
Remote clock offset: -0.283 ms

# Below is generated by plot.py at 2018-06-30 15:30:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.046 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.046 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

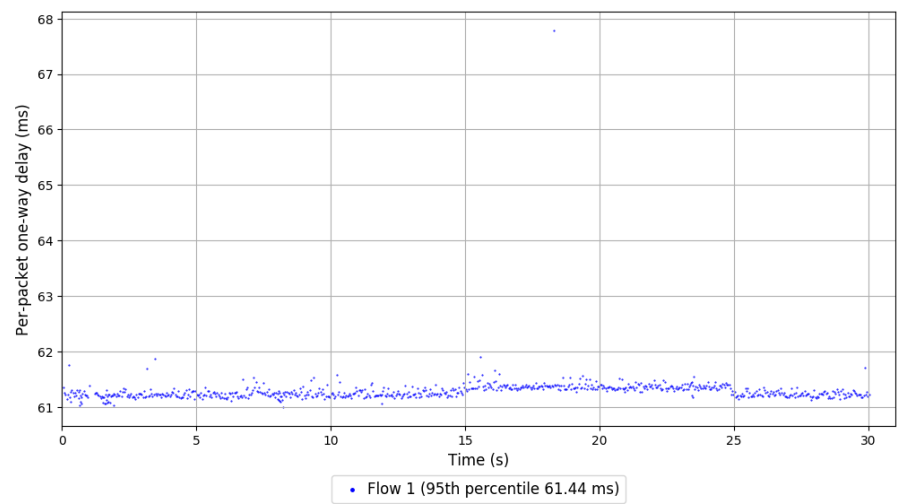
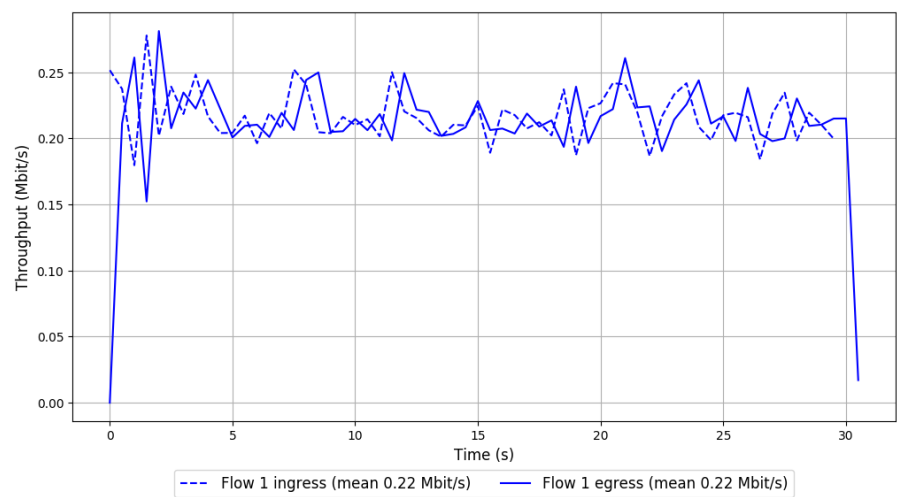


```
Run 2: Statistics of SCReAM

Start at: 2018-06-30 11:30:11
End at: 2018-06-30 11:30:41
Local clock offset: -0.027 ms
Remote clock offset: 0.184 ms

# Below is generated by plot.py at 2018-06-30 15:30:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.442 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.442 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-06-30 11:51:28

End at: 2018-06-30 11:51:58

Local clock offset: -0.061 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2018-06-30 15:30:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.100 ms

Loss rate: 0.00%

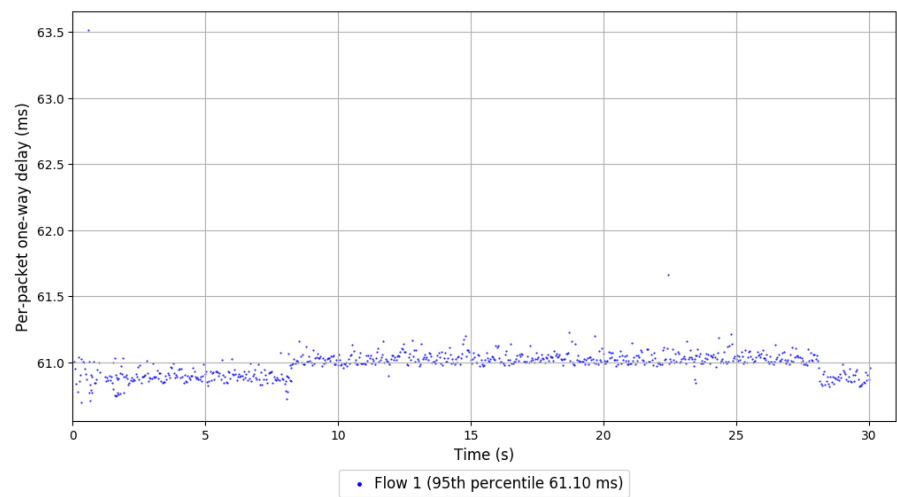
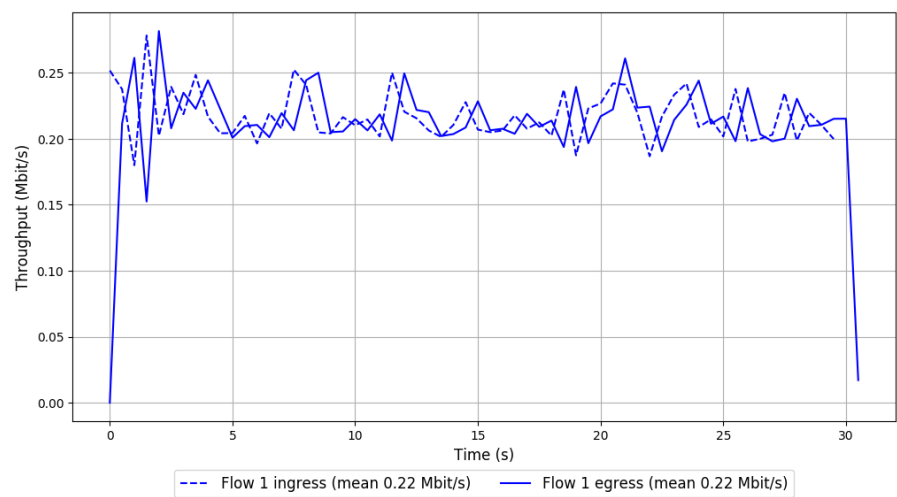
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.100 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-06-30 12:12:50

End at: 2018-06-30 12:13:20

Local clock offset: -0.027 ms

Remote clock offset: 1.423 ms

Below is generated by plot.py at 2018-06-30 15:30:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 62.767 ms

Loss rate: 0.00%

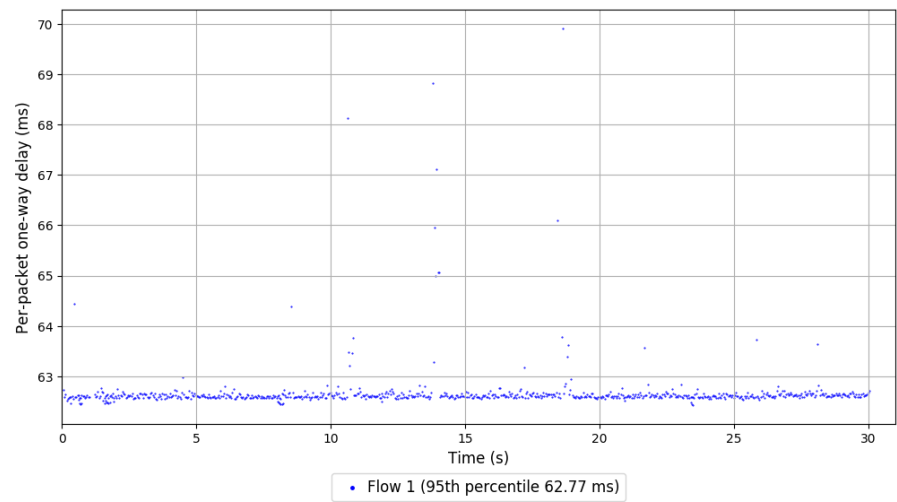
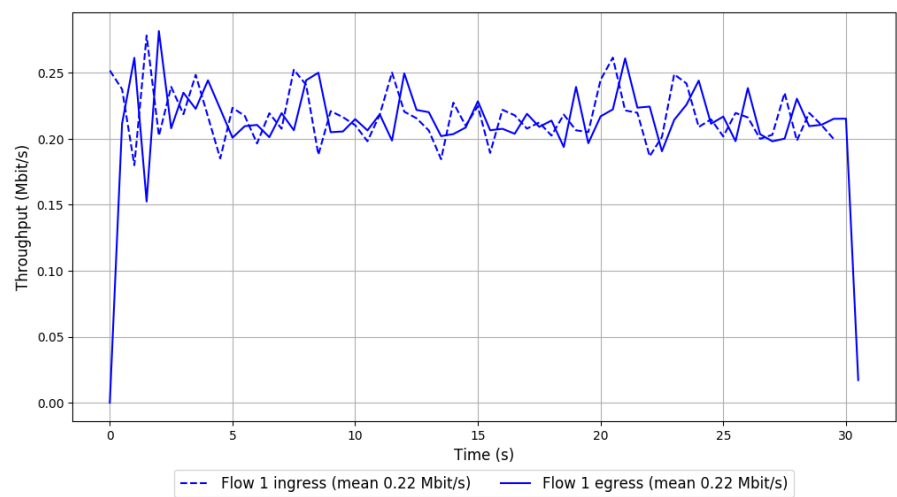
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 62.767 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-06-30 12:34:00

End at: 2018-06-30 12:34:30

Local clock offset: -0.072 ms

Remote clock offset: 1.181 ms

Below is generated by plot.py at 2018-06-30 15:30:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 62.769 ms

Loss rate: 0.00%

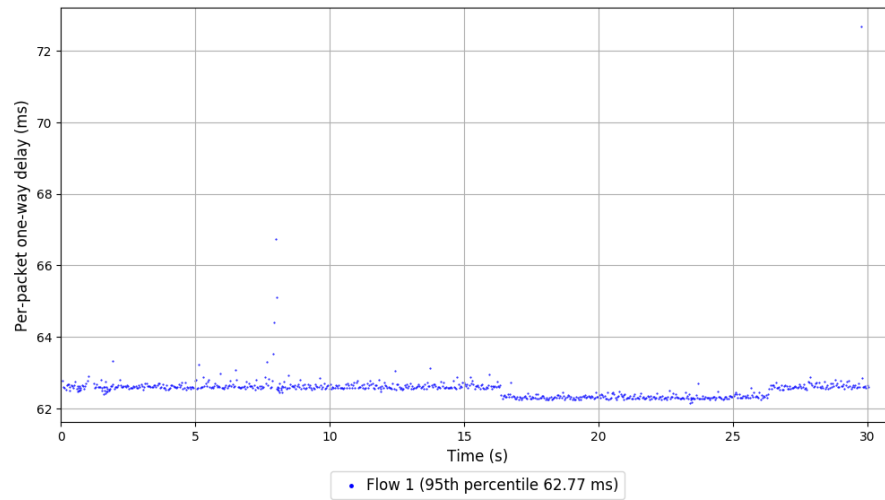
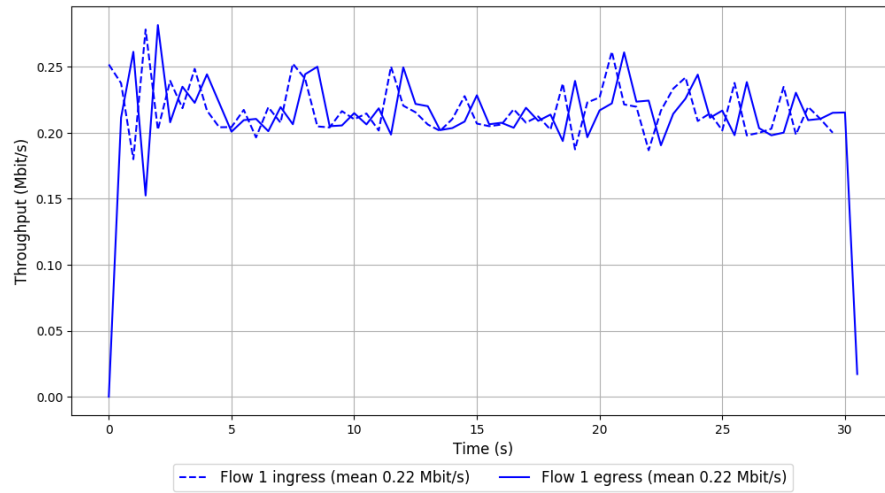
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 62.769 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

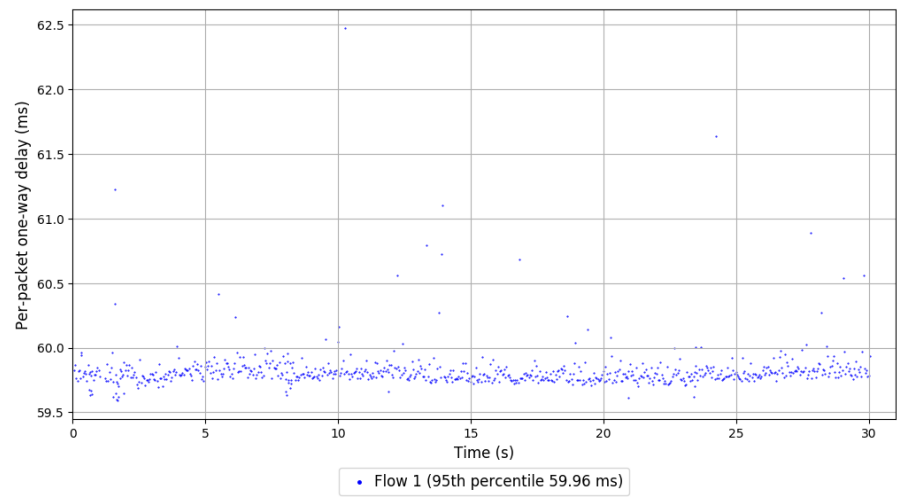
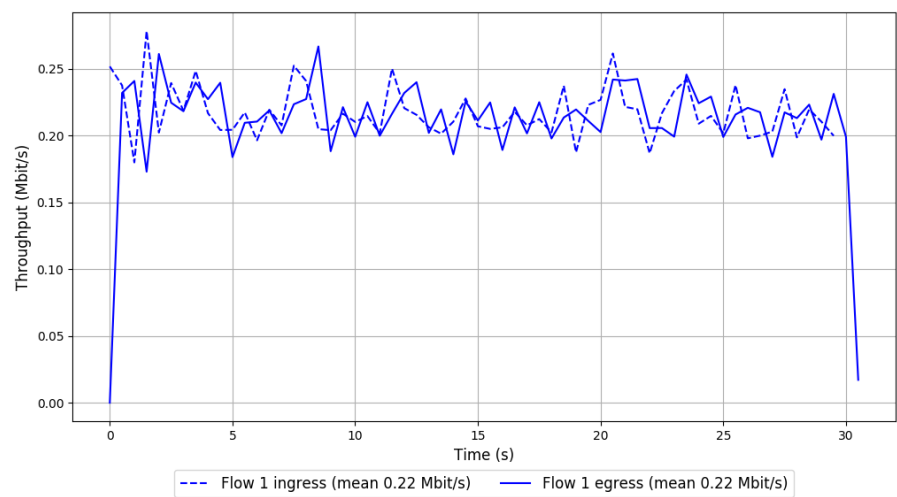


Run 6: Statistics of SCReAM

Start at: 2018-06-30 12:55:13
End at: 2018-06-30 12:55:43
Local clock offset: 0.09 ms
Remote clock offset: -1.337 ms

Below is generated by plot.py at 2018-06-30 15:30:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.961 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.961 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-06-30 13:16:33

End at: 2018-06-30 13:17:03

Local clock offset: -0.026 ms

Remote clock offset: 0.191 ms

Below is generated by plot.py at 2018-06-30 15:30:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.609 ms

Loss rate: 0.00%

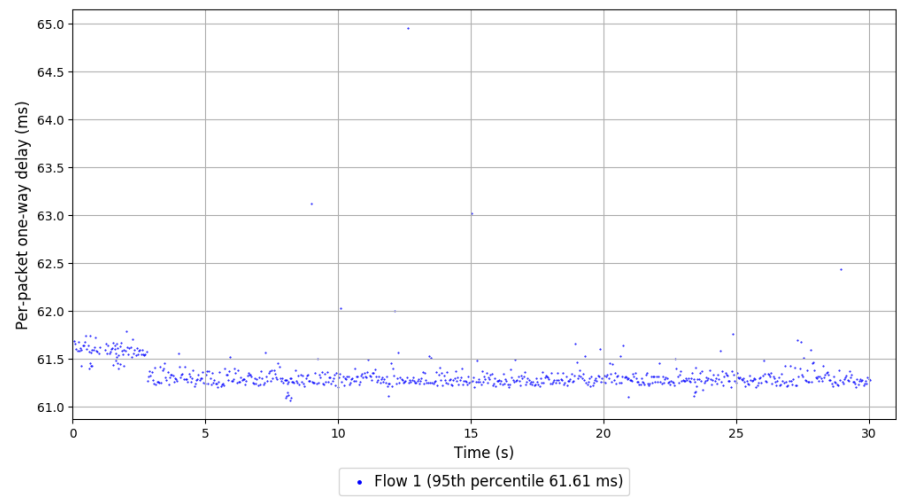
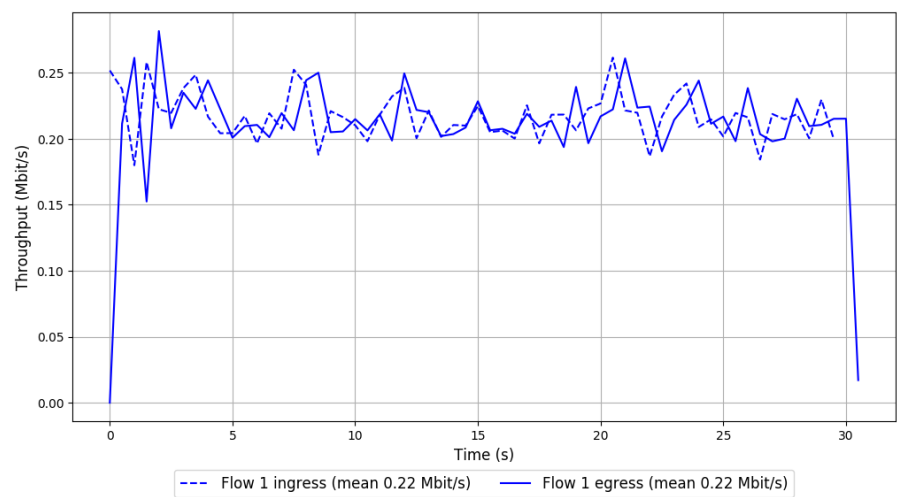
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.609 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-06-30 13:37:41

End at: 2018-06-30 13:38:11

Local clock offset: -0.067 ms

Remote clock offset: 0.192 ms

Below is generated by plot.py at 2018-06-30 15:30:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.696 ms

Loss rate: 0.00%

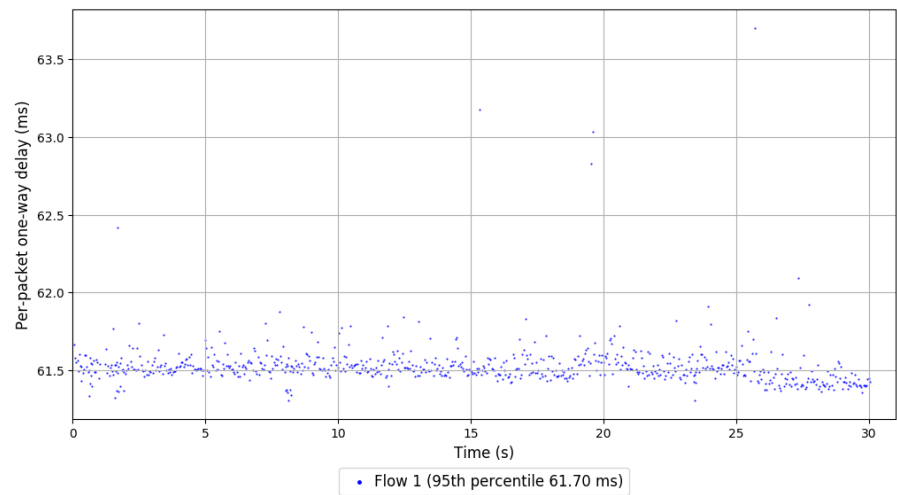
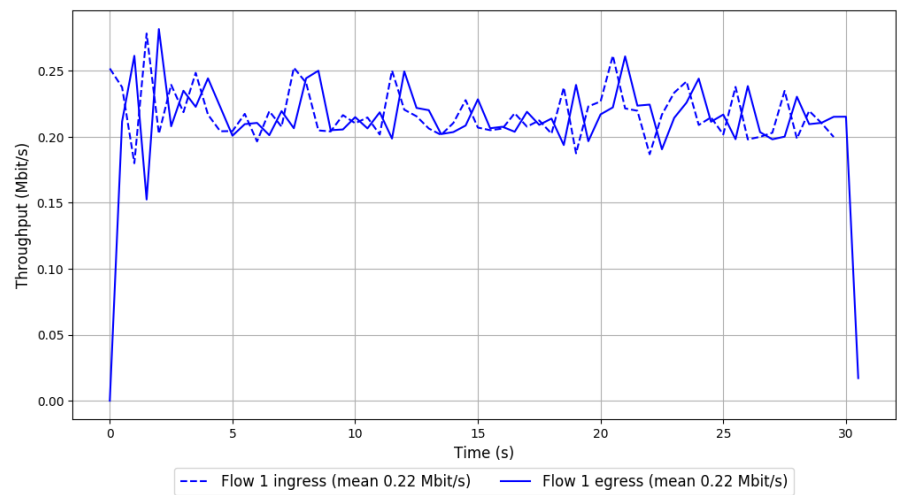
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.696 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-06-30 13:58:50

End at: 2018-06-30 13:59:20

Local clock offset: -0.136 ms

Remote clock offset: 0.089 ms

Below is generated by plot.py at 2018-06-30 15:30:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.397 ms

Loss rate: 0.00%

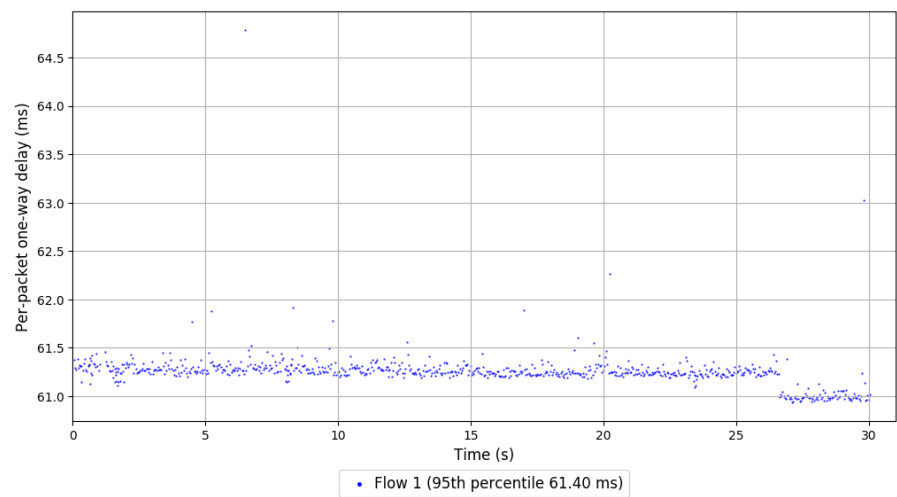
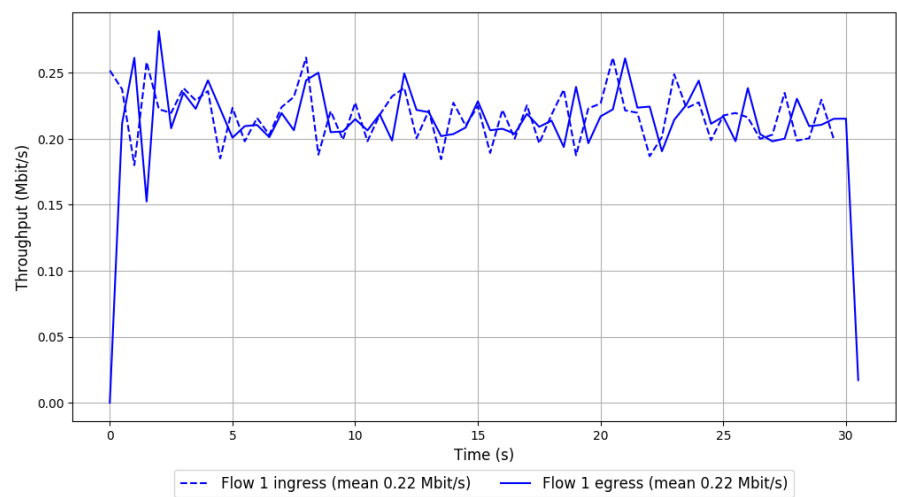
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.397 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

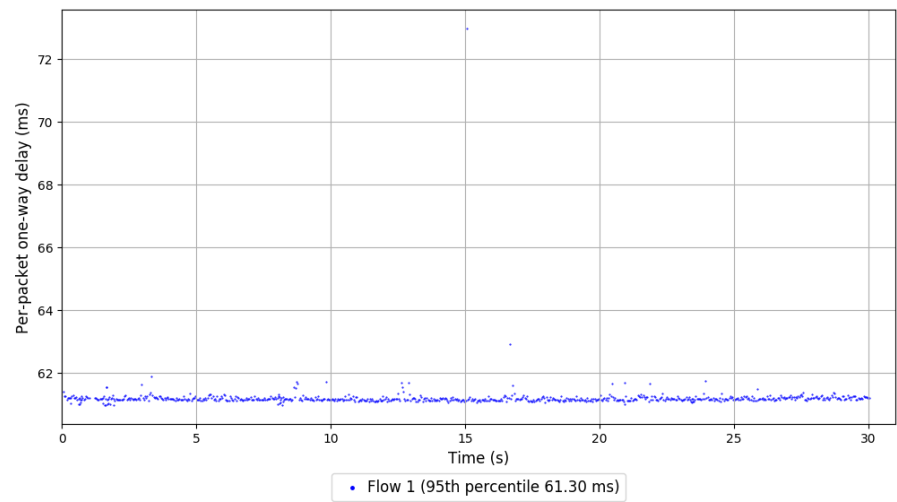
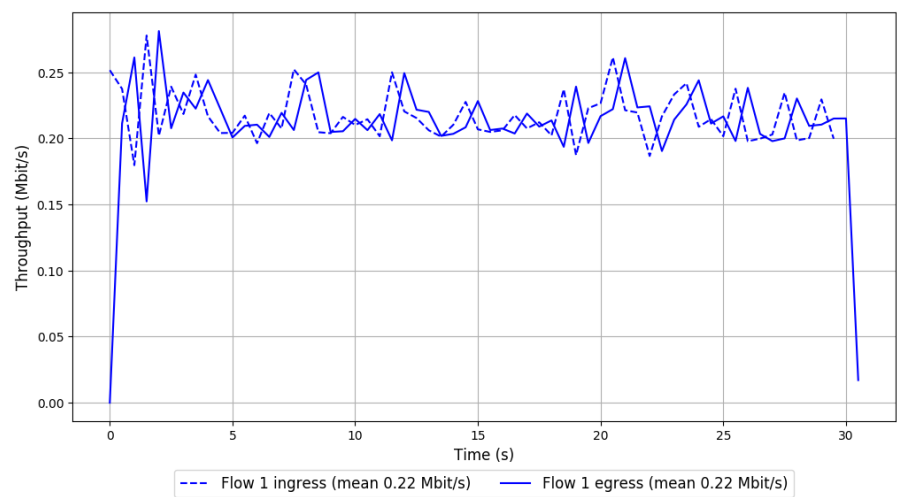


Run 10: Statistics of SReAM

Start at: 2018-06-30 14:20:15
End at: 2018-06-30 14:20:45
Local clock offset: -0.21 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-06-30 15:30:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.303 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.303 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

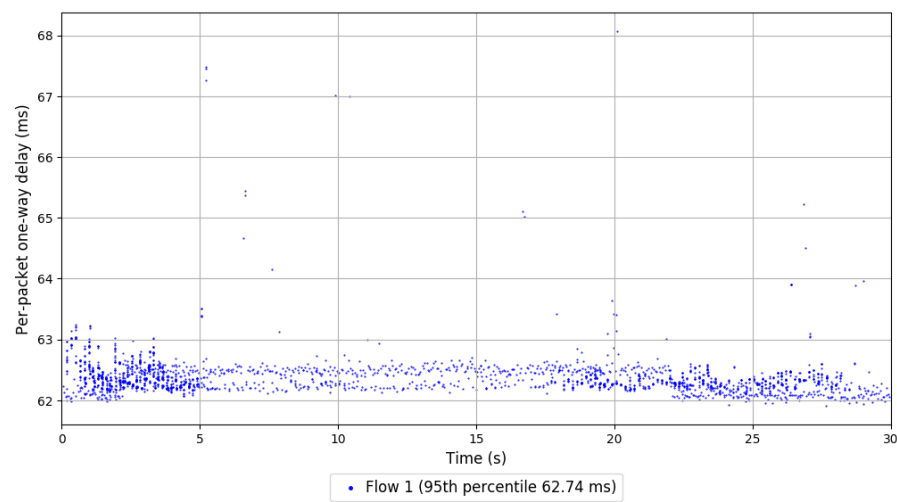
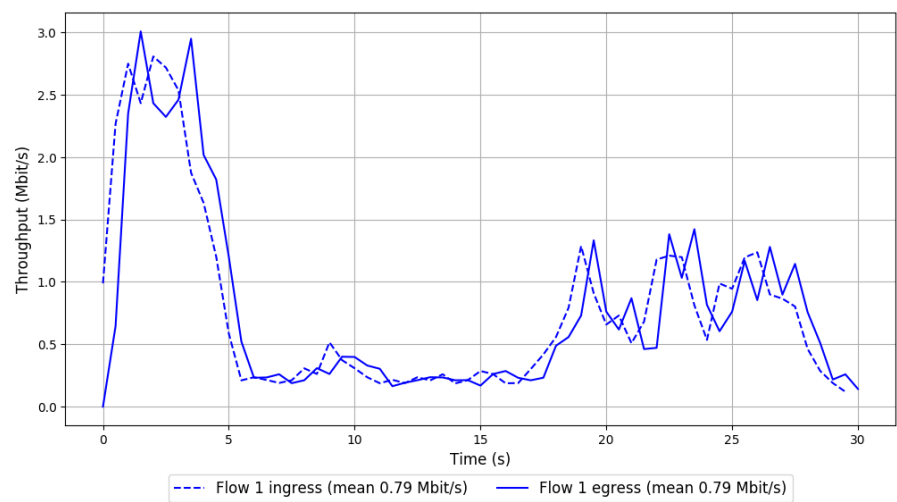


```
Run 1: Statistics of Sprout

Start at: 2018-06-30 10:58:34
End at: 2018-06-30 10:59:04
Local clock offset: 0.088 ms
Remote clock offset: 1.17 ms

# Below is generated by plot.py at 2018-06-30 15:30:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.79 Mbit/s
95th percentile per-packet one-way delay: 62.739 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.79 Mbit/s
95th percentile per-packet one-way delay: 62.739 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-06-30 11:20:03

End at: 2018-06-30 11:20:33

Local clock offset: 0.023 ms

Remote clock offset: 0.183 ms

Below is generated by plot.py at 2018-06-30 15:30:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.21 Mbit/s

95th percentile per-packet one-way delay: 62.163 ms

Loss rate: 0.00%

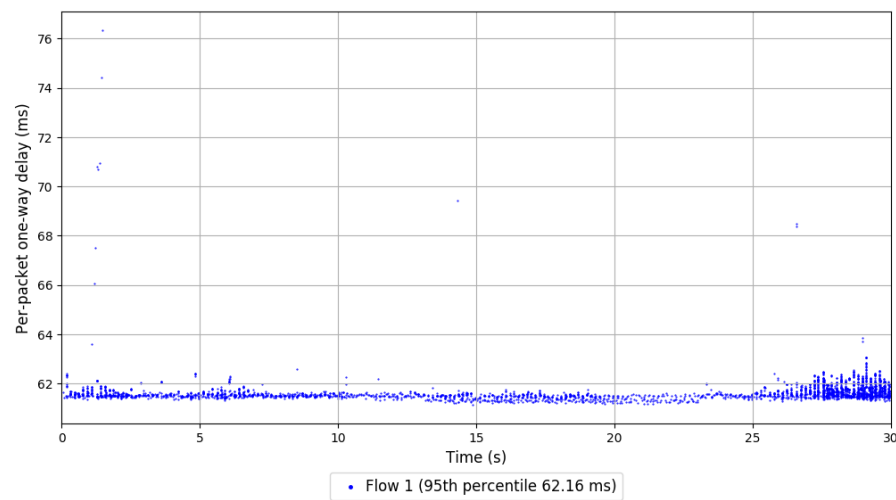
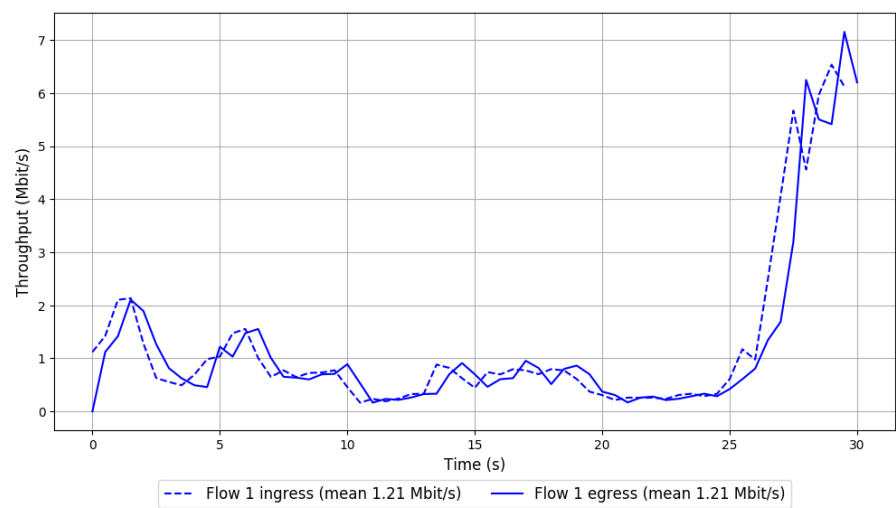
-- Flow 1:

Average throughput: 1.21 Mbit/s

95th percentile per-packet one-way delay: 62.163 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

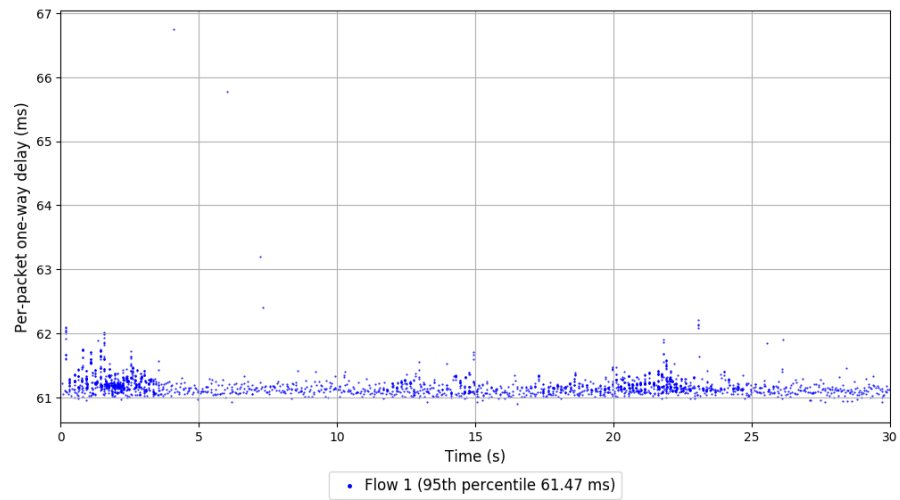
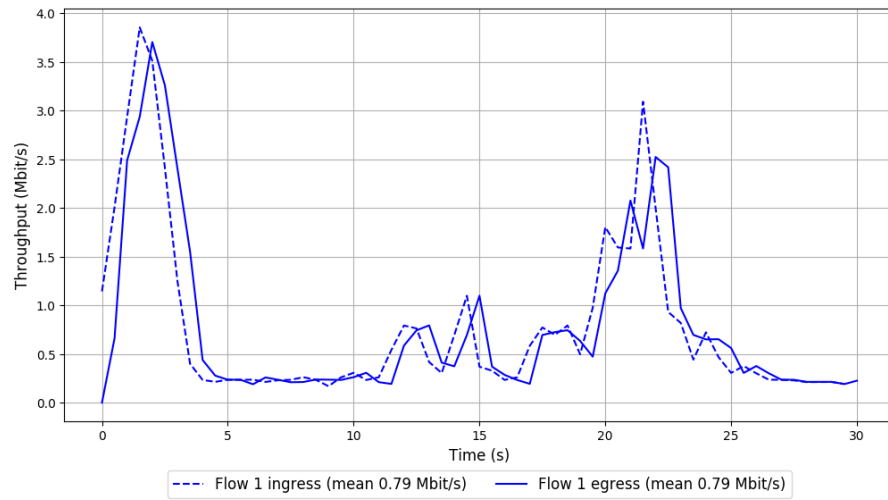


Run 3: Statistics of Sprout

Start at: 2018-06-30 11:41:25
End at: 2018-06-30 11:41:56
Local clock offset: -0.051 ms
Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-06-30 15:30:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.79 Mbit/s
95th percentile per-packet one-way delay: 61.472 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.79 Mbit/s
95th percentile per-packet one-way delay: 61.472 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

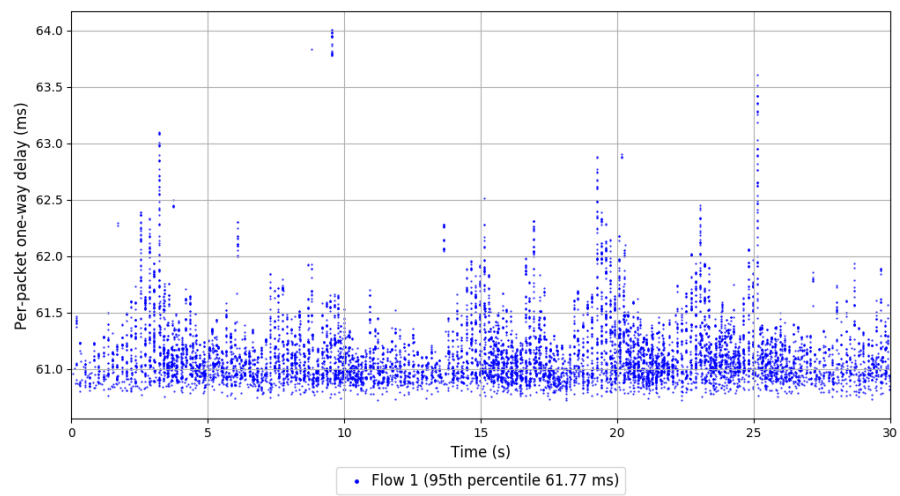
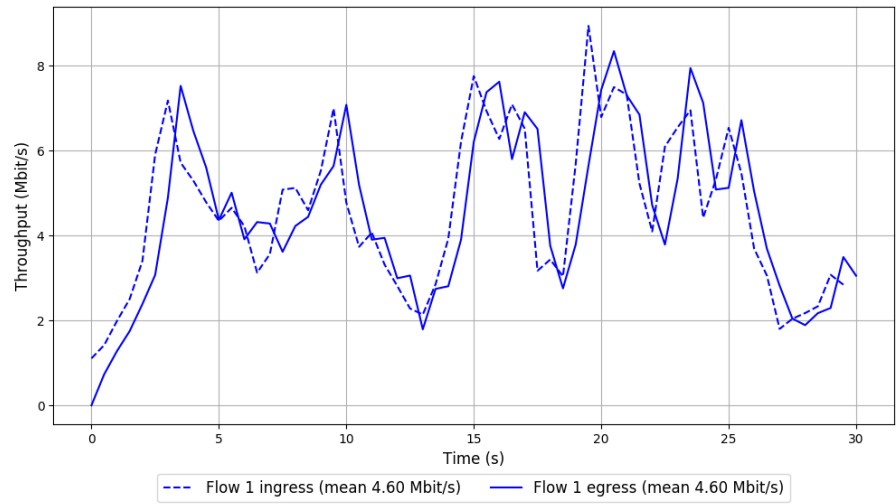


Run 4: Statistics of Sprout

Start at: 2018-06-30 12:02:41
End at: 2018-06-30 12:03:11
Local clock offset: -0.106 ms
Remote clock offset: -0.248 ms

Below is generated by plot.py at 2018-06-30 15:30:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.60 Mbit/s
95th percentile per-packet one-way delay: 61.773 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.60 Mbit/s
95th percentile per-packet one-way delay: 61.773 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

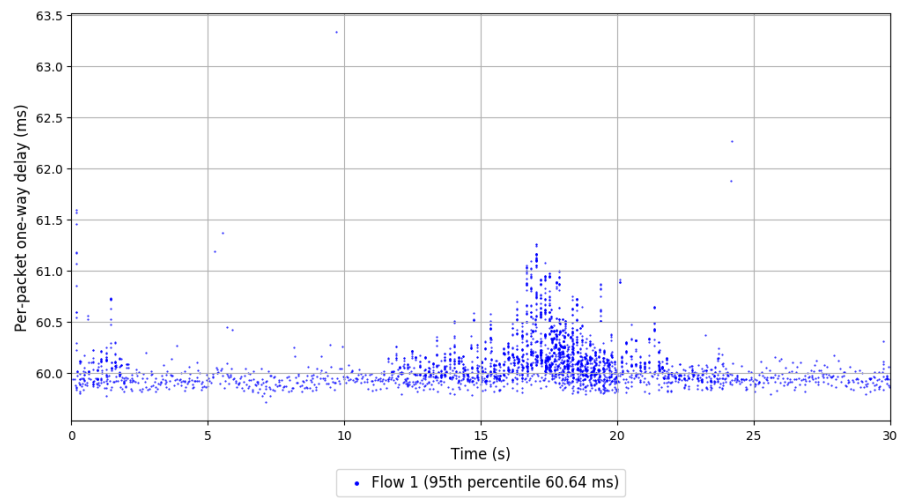
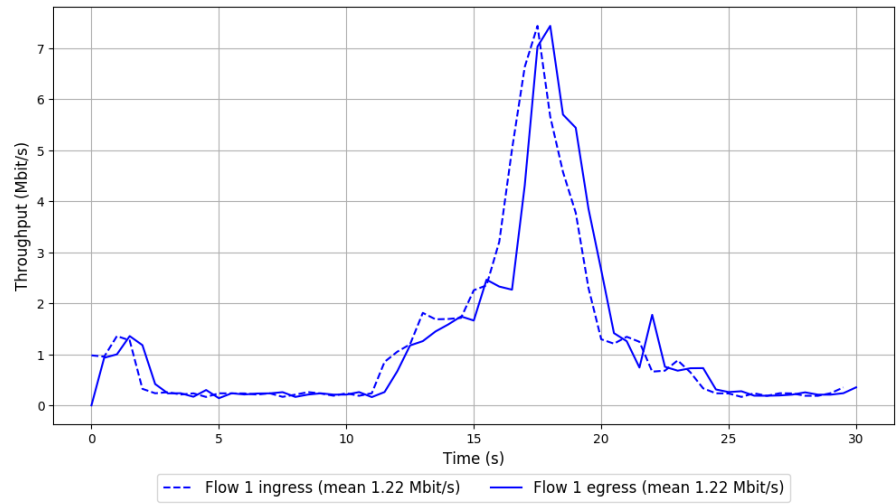


Run 5: Statistics of Sprout

Start at: 2018-06-30 12:23:57
End at: 2018-06-30 12:24:27
Local clock offset: -0.057 ms
Remote clock offset: -1.288 ms

Below is generated by plot.py at 2018-06-30 15:30:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 60.639 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 60.639 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

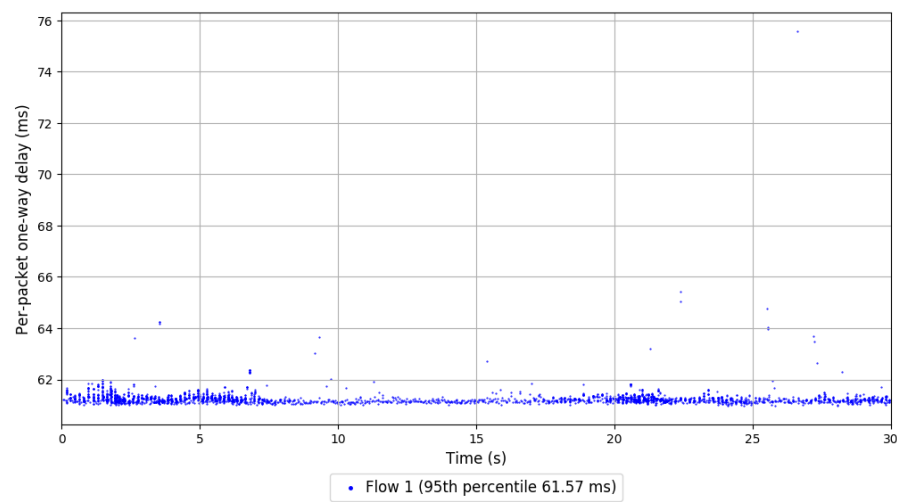
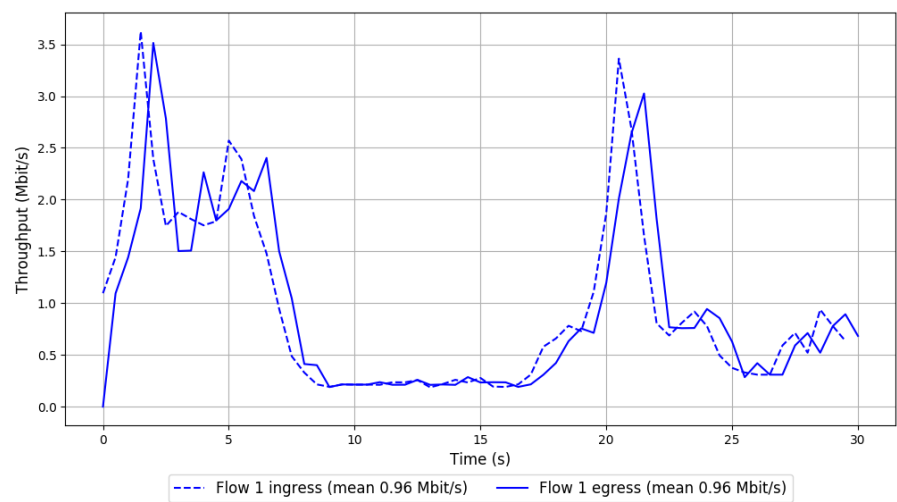


Run 6: Statistics of Sprout

Start at: 2018-06-30 12:45:02
End at: 2018-06-30 12:45:32
Local clock offset: -0.012 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-06-30 15:30:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.96 Mbit/s
95th percentile per-packet one-way delay: 61.566 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.96 Mbit/s
95th percentile per-packet one-way delay: 61.566 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

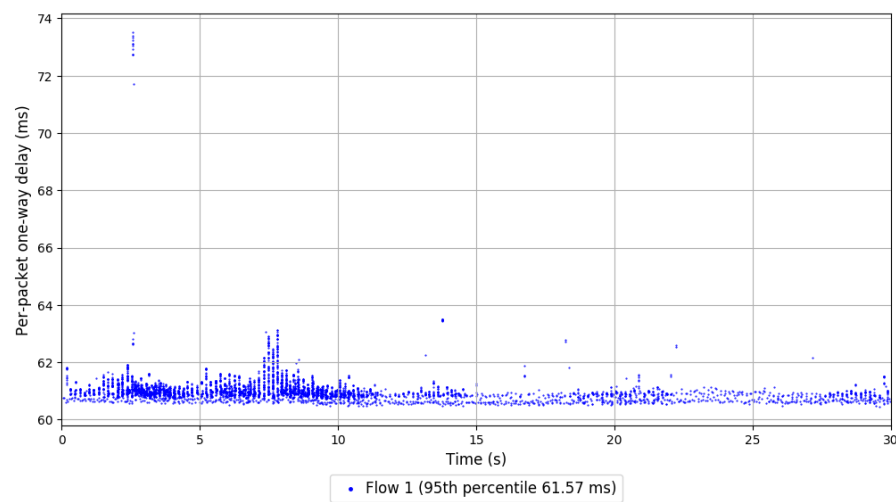
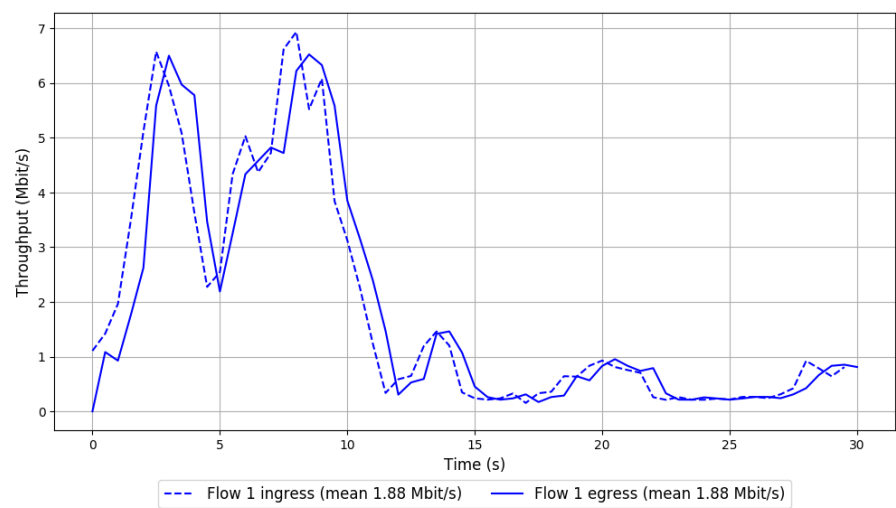


Run 7: Statistics of Sprout

Start at: 2018-06-30 13:06:27
End at: 2018-06-30 13:06:57
Local clock offset: -0.043 ms
Remote clock offset: -0.434 ms

Below is generated by plot.py at 2018-06-30 15:30:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 61.570 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 61.570 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

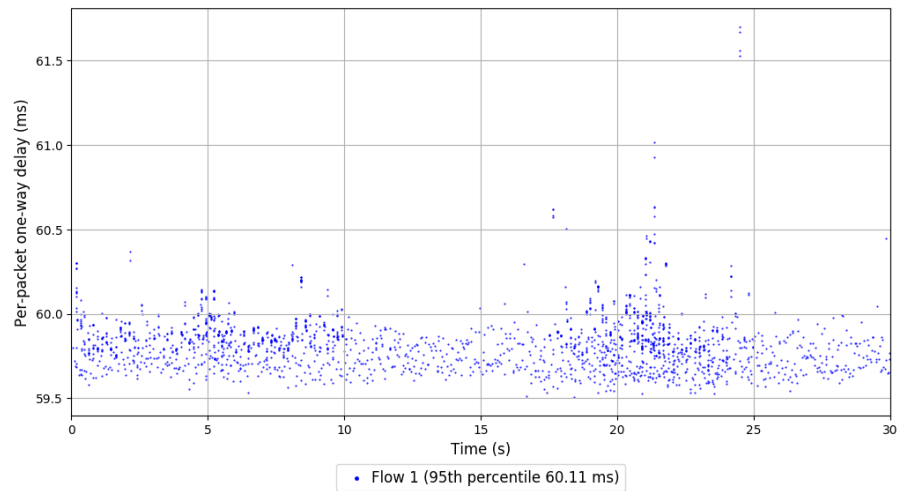
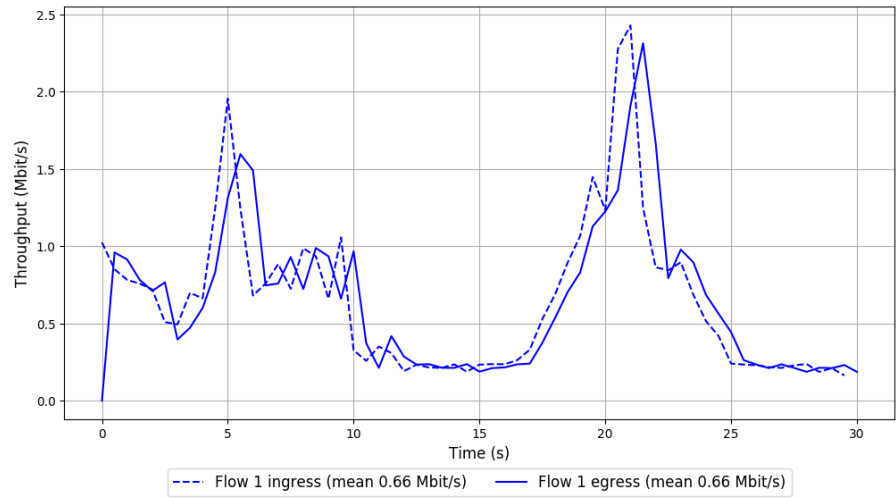


Run 8: Statistics of Sprout

Start at: 2018-06-30 13:27:30
End at: 2018-06-30 13:28:00
Local clock offset: -0.019 ms
Remote clock offset: -1.416 ms

Below is generated by plot.py at 2018-06-30 15:30:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 60.109 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 60.109 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-06-30 13:48:38

End at: 2018-06-30 13:49:08

Local clock offset: -0.081 ms

Remote clock offset: 0.124 ms

Below is generated by plot.py at 2018-06-30 15:30:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.79 Mbit/s

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

Loss rate: 0.00%

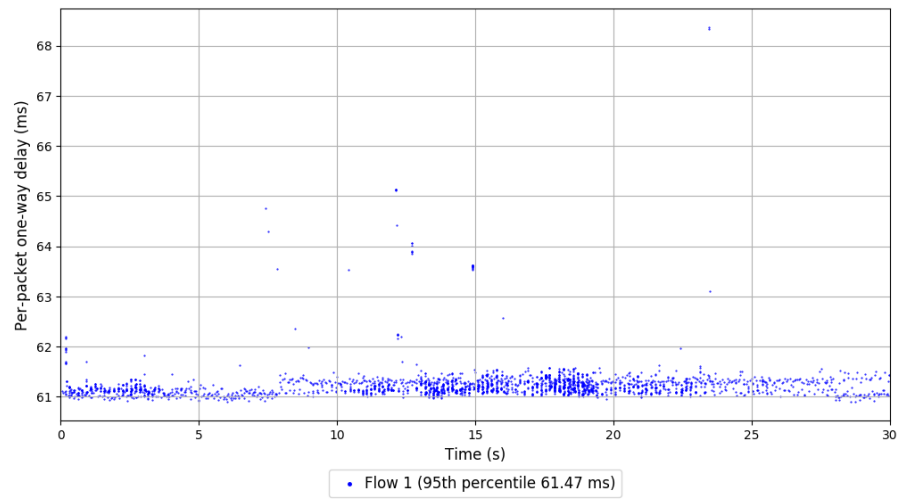
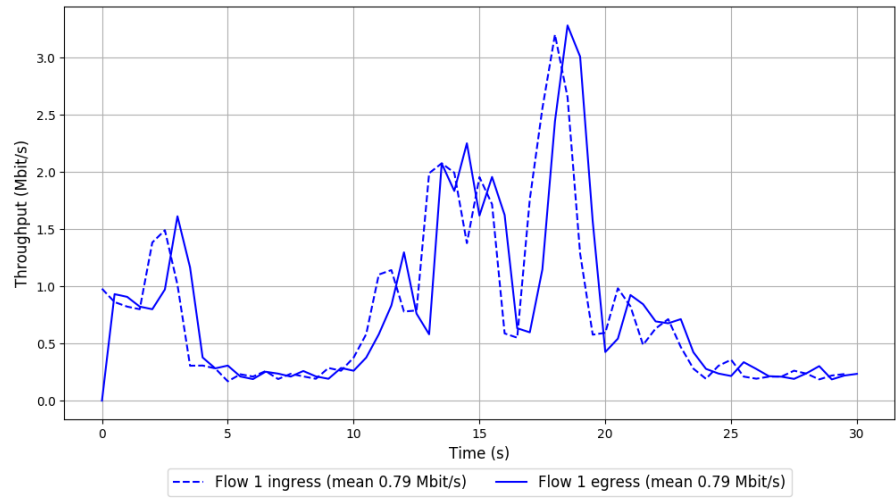
-- Flow 1:

Average throughput: 0.79 Mbit/s

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

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

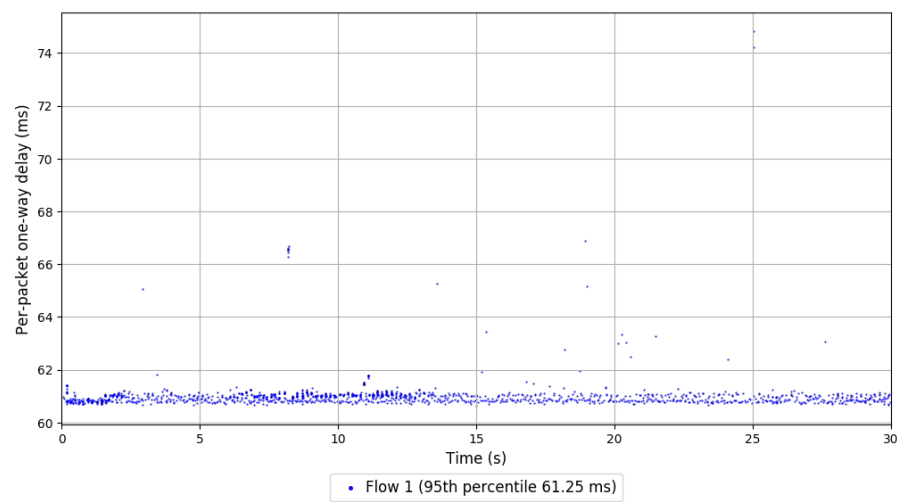
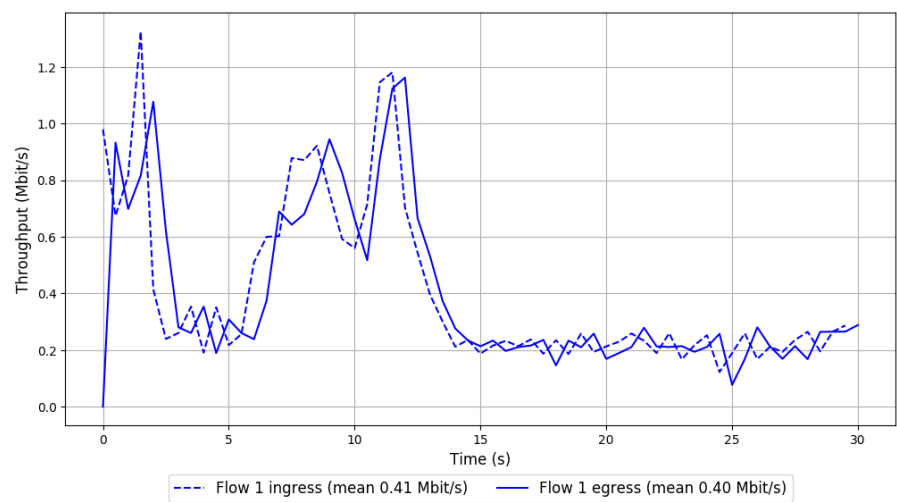


Run 10: Statistics of Sprout

Start at: 2018-06-30 14:10:04
End at: 2018-06-30 14:10:35
Local clock offset: -0.192 ms
Remote clock offset: -0.187 ms

Below is generated by plot.py at 2018-06-30 15:30:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 61.246 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 61.246 ms
Loss rate: 1.14%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-06-30 10:55:44

End at: 2018-06-30 10:56:14

Local clock offset: 0.076 ms

Remote clock offset: -1.451 ms

Below is generated by plot.py at 2018-06-30 15:31:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.27 Mbit/s

95th percentile per-packet one-way delay: 60.406 ms

Loss rate: 0.00%

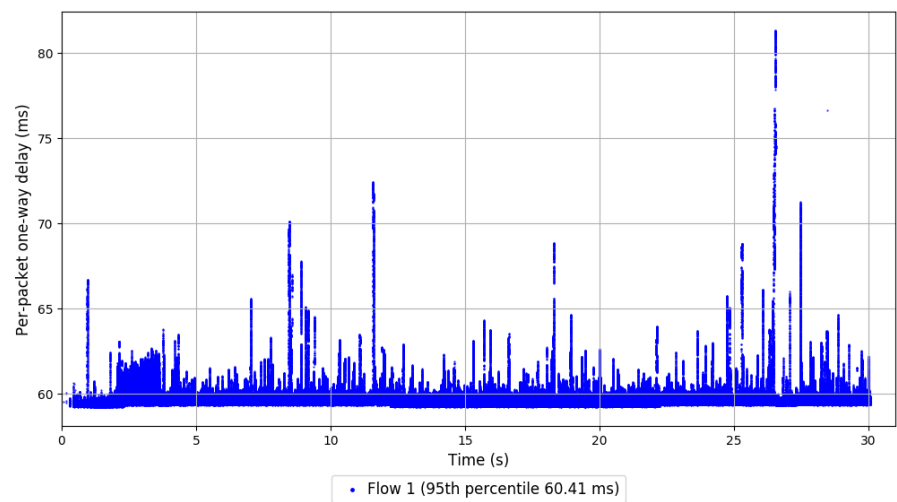
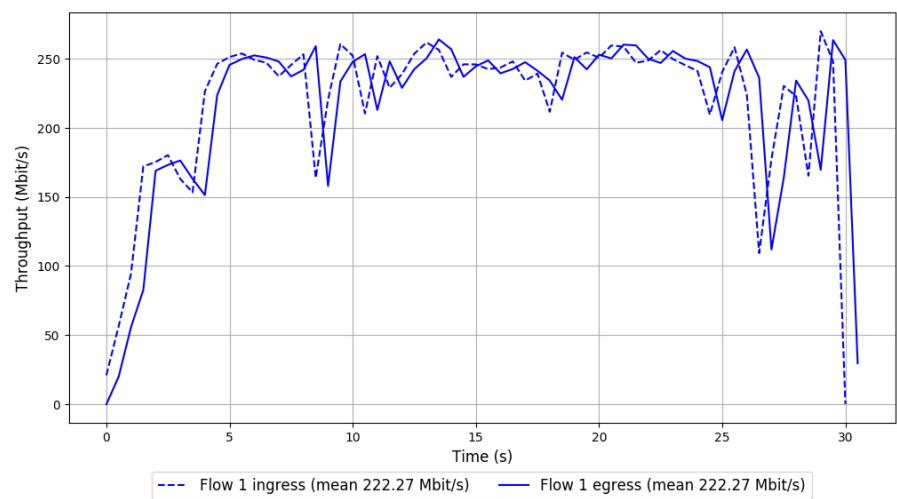
-- Flow 1:

Average throughput: 222.27 Mbit/s

95th percentile per-packet one-way delay: 60.406 ms

Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-06-30 11:17:09

End at: 2018-06-30 11:17:39

Local clock offset: 0.066 ms

Remote clock offset: -0.274 ms

Below is generated by plot.py at 2018-06-30 15:32:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 238.19 Mbit/s

95th percentile per-packet one-way delay: 61.618 ms

Loss rate: 0.00%

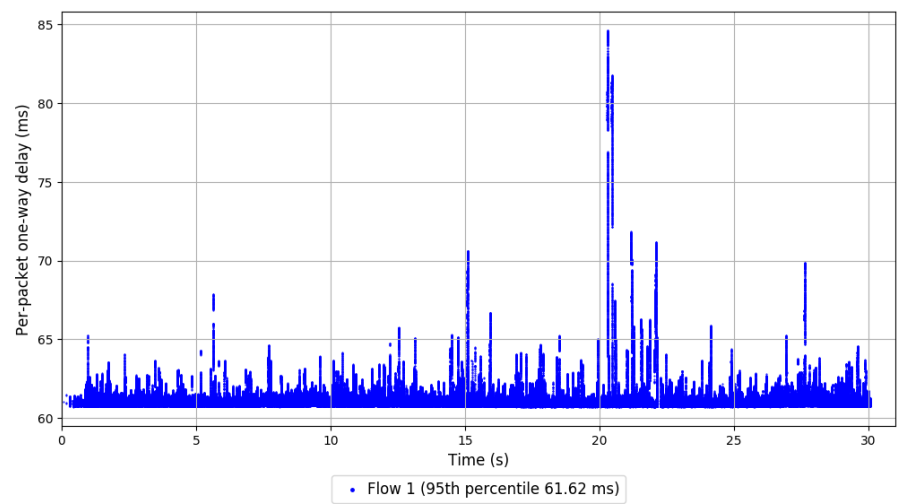
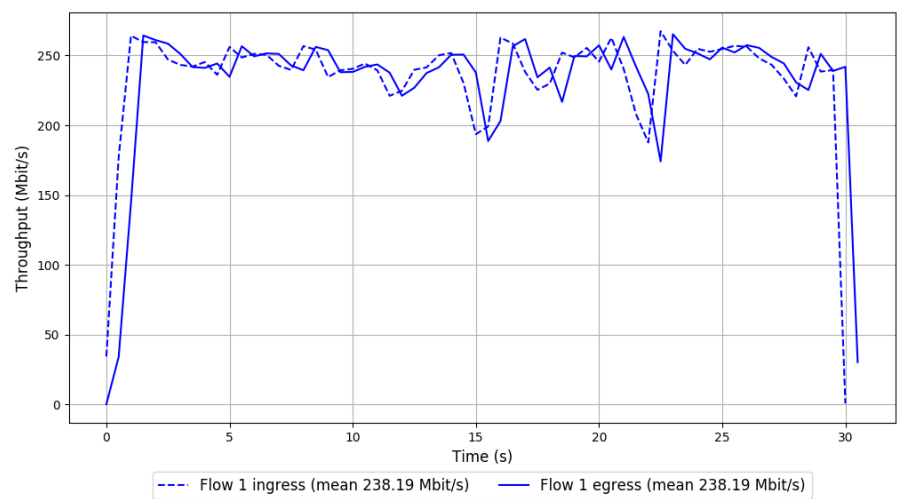
-- Flow 1:

Average throughput: 238.19 Mbit/s

95th percentile per-packet one-way delay: 61.618 ms

Loss rate: 0.00%

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

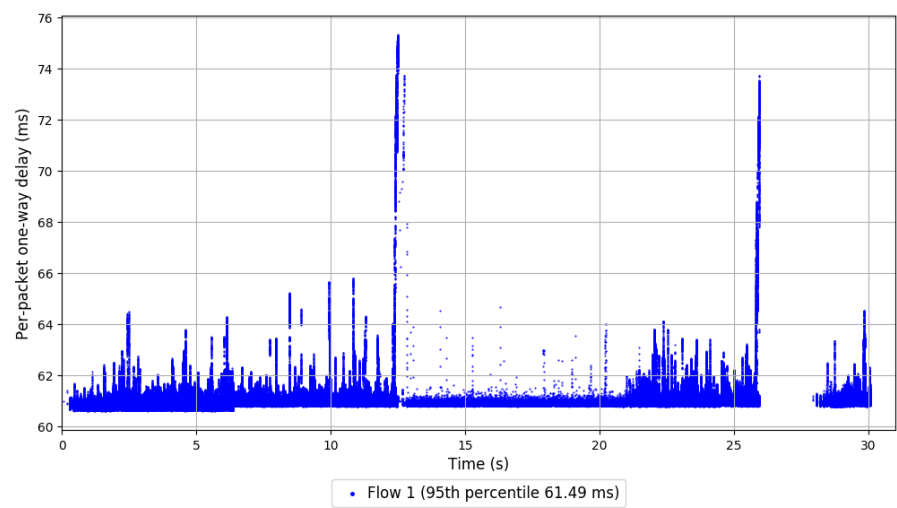
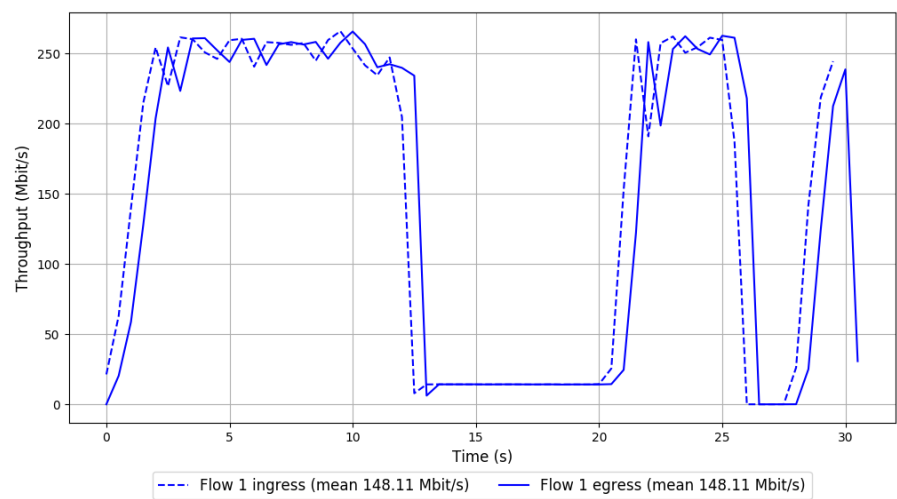


Run 3: Statistics of TaoVA-100x

Start at: 2018-06-30 11:38:40
End at: 2018-06-30 11:39:10
Local clock offset: -0.015 ms
Remote clock offset: -0.184 ms

Below is generated by plot.py at 2018-06-30 15:32:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 148.11 Mbit/s
95th percentile per-packet one-way delay: 61.495 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 148.11 Mbit/s
95th percentile per-packet one-way delay: 61.495 ms
Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-06-30 11:59:56

End at: 2018-06-30 12:00:26

Local clock offset: -0.103 ms

Remote clock offset: 1.48 ms

Below is generated by plot.py at 2018-06-30 15:32:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 161.25 Mbit/s

95th percentile per-packet one-way delay: 63.259 ms

Loss rate: 0.00%

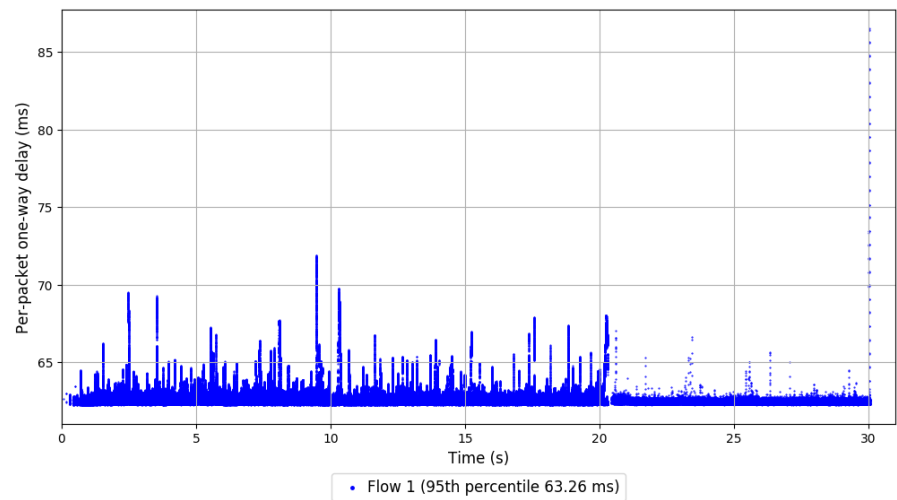
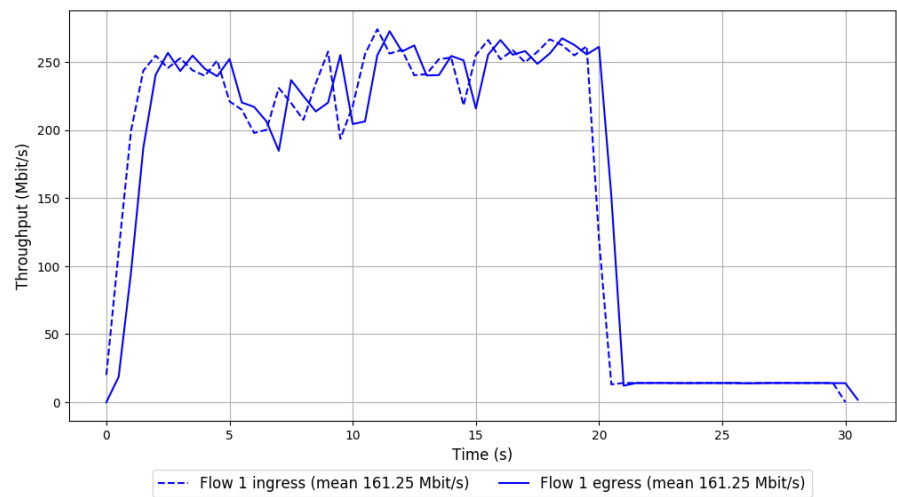
-- Flow 1:

Average throughput: 161.25 Mbit/s

95th percentile per-packet one-way delay: 63.259 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-06-30 12:21:14

End at: 2018-06-30 12:21:44

Local clock offset: -0.012 ms

Remote clock offset: 1.097 ms

Below is generated by plot.py at 2018-06-30 15:32:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.09 Mbit/s

95th percentile per-packet one-way delay: 62.863 ms

Loss rate: 0.00%

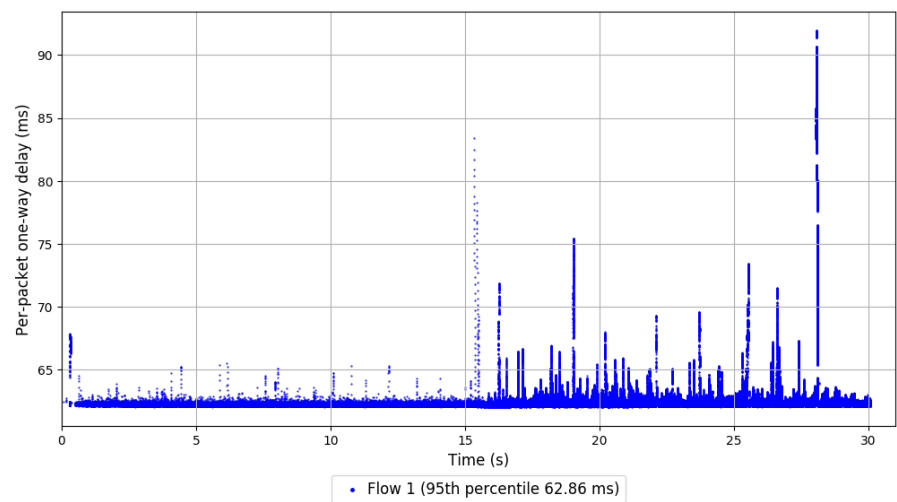
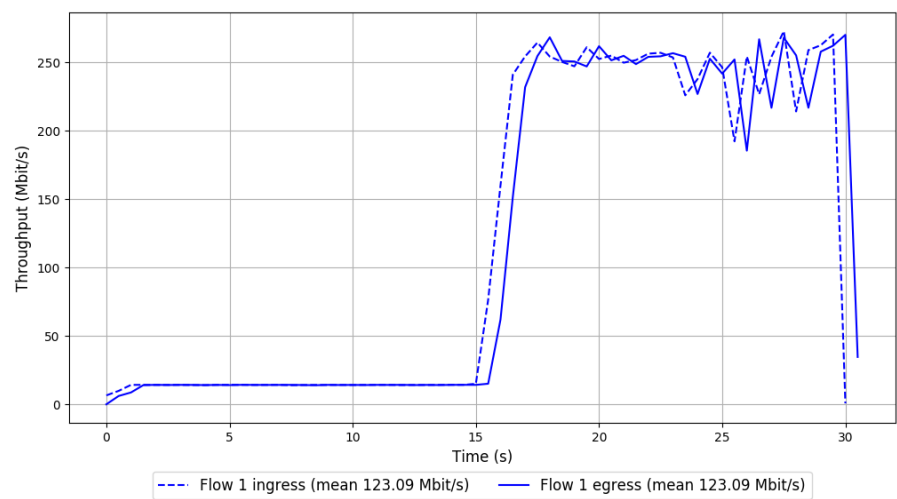
-- Flow 1:

Average throughput: 123.09 Mbit/s

95th percentile per-packet one-way delay: 62.863 ms

Loss rate: 0.00%

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

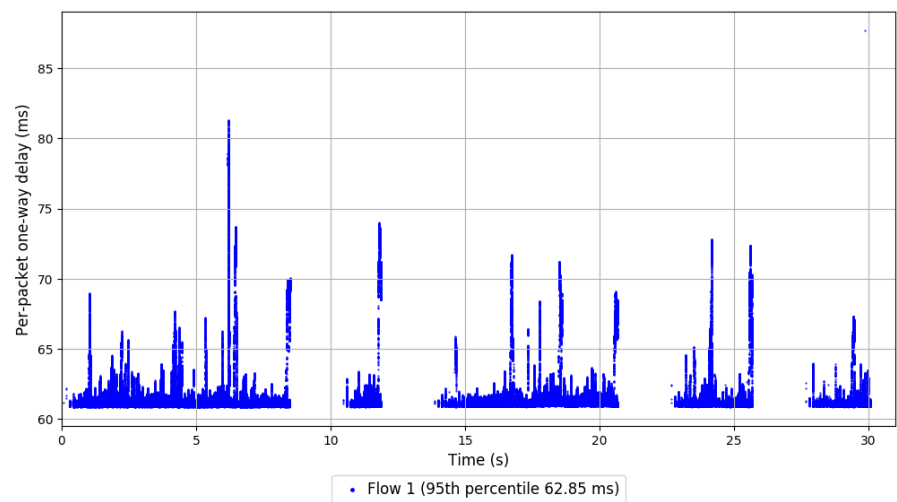
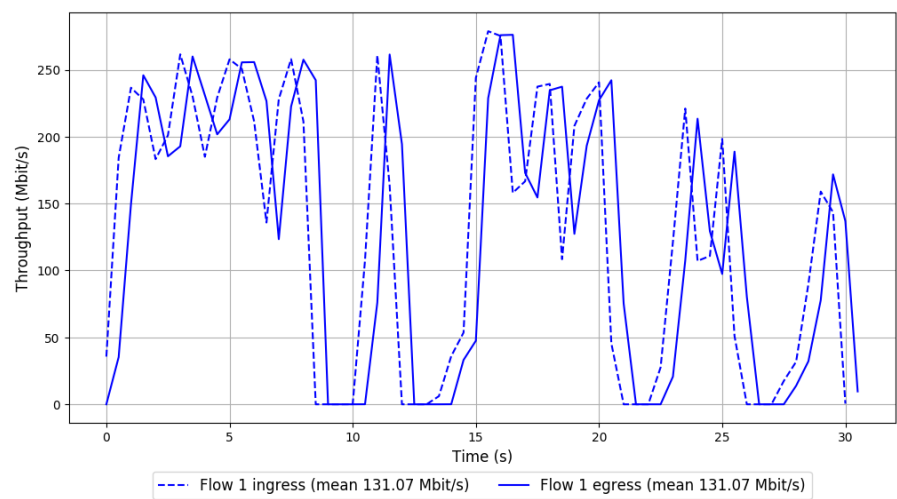


Run 6: Statistics of TaoVA-100x

Start at: 2018-06-30 12:42:23
End at: 2018-06-30 12:42:53
Local clock offset: -0.036 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2018-06-30 15:32:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 131.07 Mbit/s
95th percentile per-packet one-way delay: 62.851 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 131.07 Mbit/s
95th percentile per-packet one-way delay: 62.851 ms
Loss rate: 0.00%

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

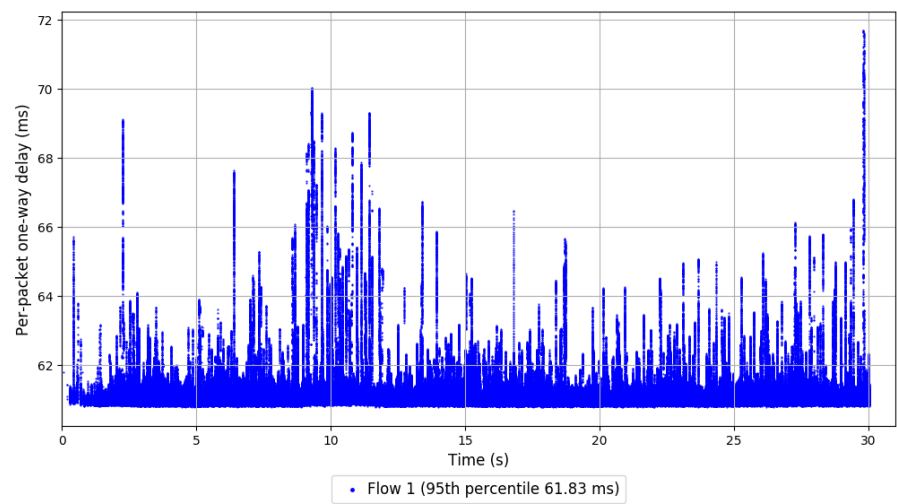
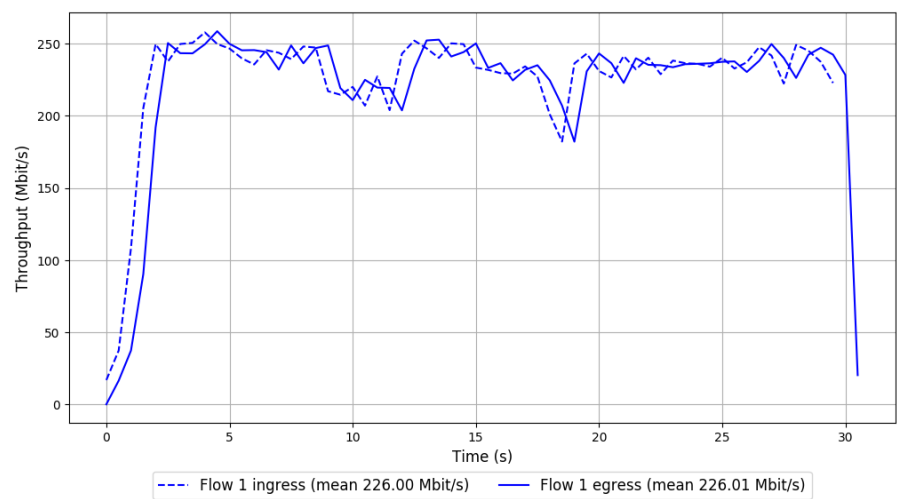


Run 7: Statistics of TaoVA-100x

Start at: 2018-06-30 13:03:33
End at: 2018-06-30 13:04:03
Local clock offset: -0.003 ms
Remote clock offset: -0.164 ms

Below is generated by plot.py at 2018-06-30 15:34:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 226.01 Mbit/s
95th percentile per-packet one-way delay: 61.832 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 226.01 Mbit/s
95th percentile per-packet one-way delay: 61.832 ms
Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-06-30 13:24:44

End at: 2018-06-30 13:25:14

Local clock offset: -0.001 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-06-30 15:35:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.22 Mbit/s

95th percentile per-packet one-way delay: 62.443 ms

Loss rate: 0.00%

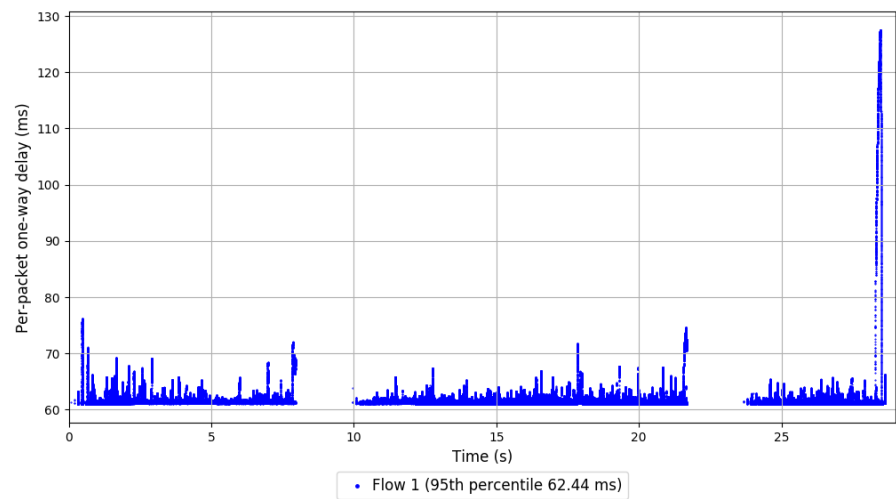
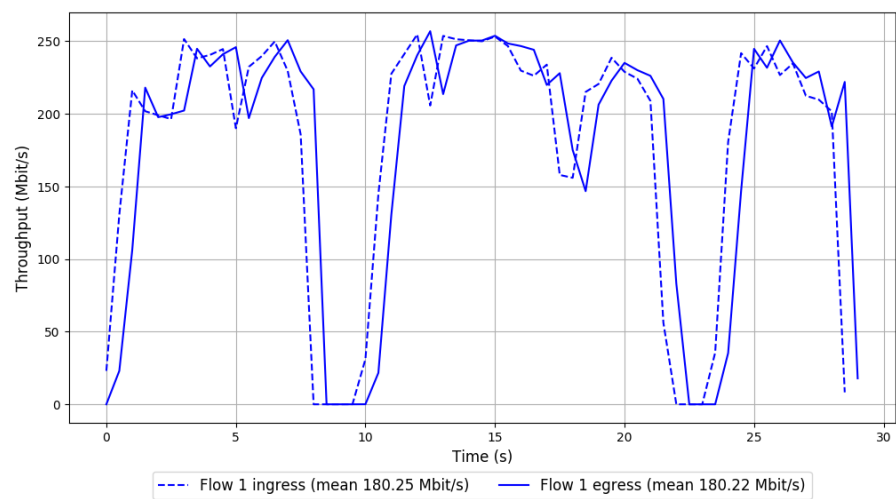
-- Flow 1:

Average throughput: 180.22 Mbit/s

95th percentile per-packet one-way delay: 62.443 ms

Loss rate: 0.00%

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

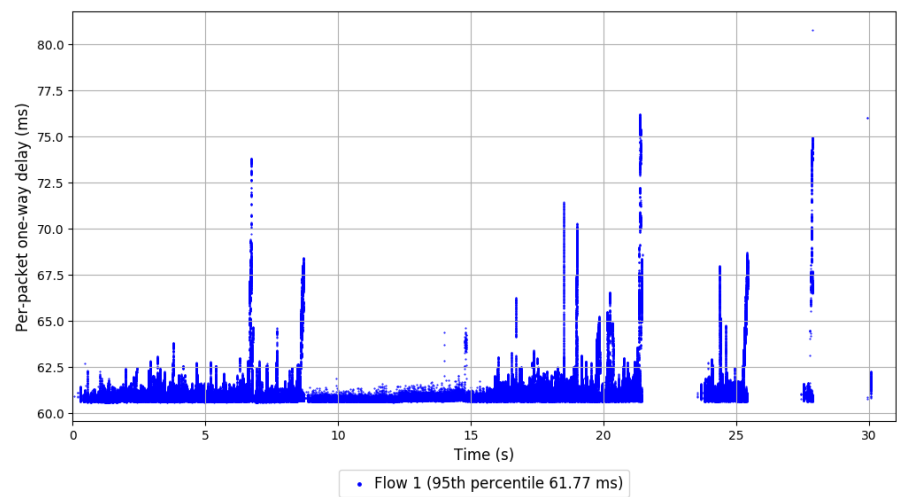
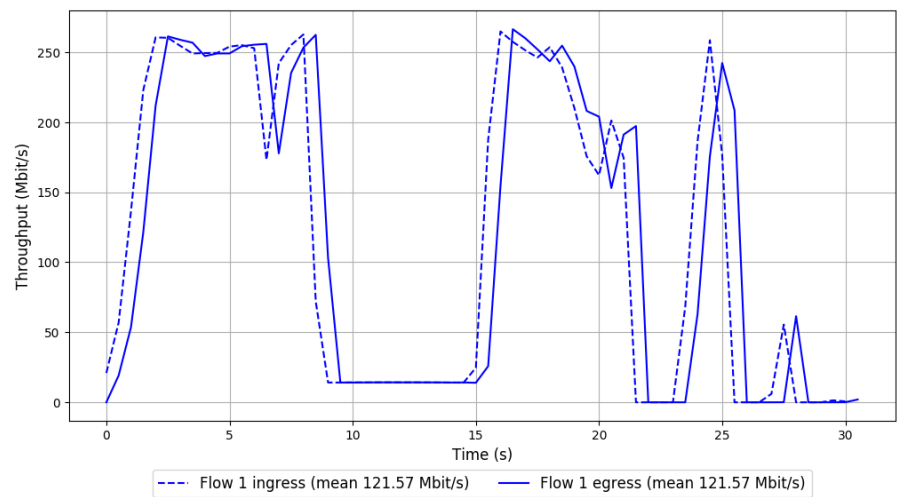


Run 9: Statistics of TaoVA-100x

Start at: 2018-06-30 13:46:04
End at: 2018-06-30 13:46:34
Local clock offset: -0.023 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2018-06-30 15:35:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 121.57 Mbit/s
95th percentile per-packet one-way delay: 61.773 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 121.57 Mbit/s
95th percentile per-packet one-way delay: 61.773 ms
Loss rate: 0.00%

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

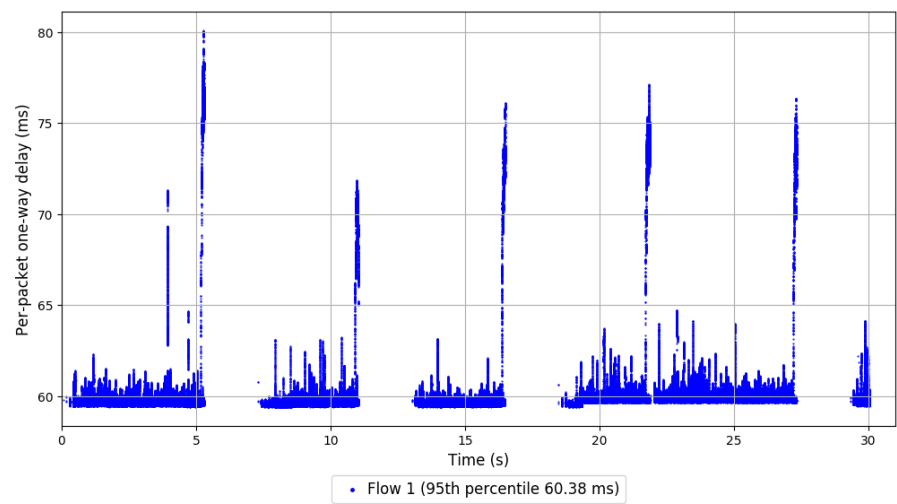
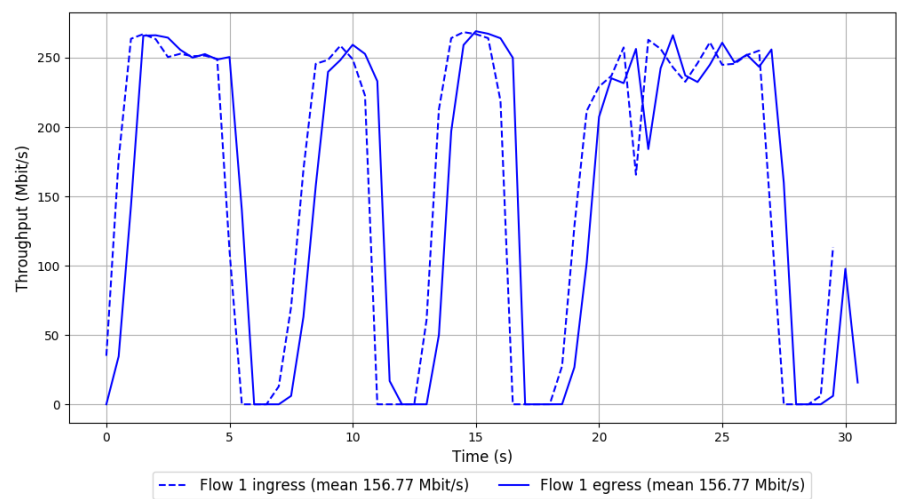


Run 10: Statistics of TaoVA-100x

Start at: 2018-06-30 14:07:17
End at: 2018-06-30 14:07:47
Local clock offset: -0.162 ms
Remote clock offset: -1.279 ms

Below is generated by plot.py at 2018-06-30 15:35:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 156.77 Mbit/s
95th percentile per-packet one-way delay: 60.381 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 156.77 Mbit/s
95th percentile per-packet one-way delay: 60.381 ms
Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-06-30 10:59:40

End at: 2018-06-30 11:00:10

Local clock offset: 0.057 ms

Remote clock offset: 0.082 ms

Below is generated by plot.py at 2018-06-30 15:35:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 151.64 Mbit/s

95th percentile per-packet one-way delay: 72.250 ms

Loss rate: 0.00%

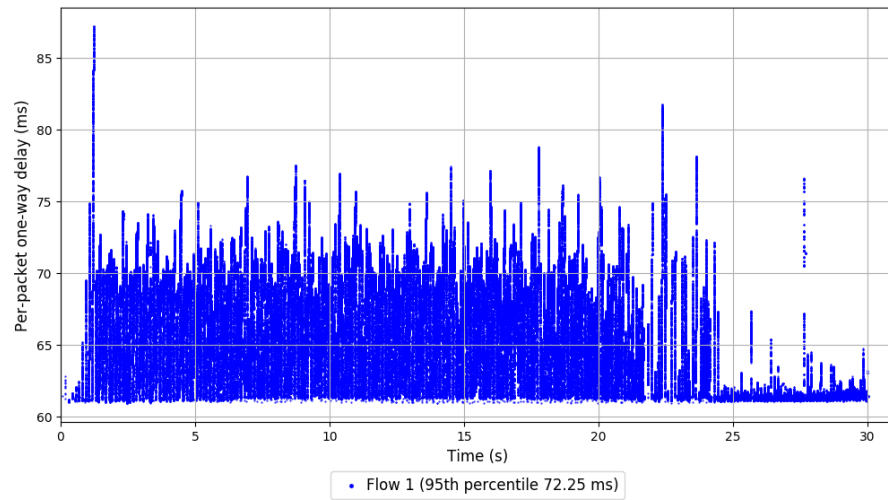
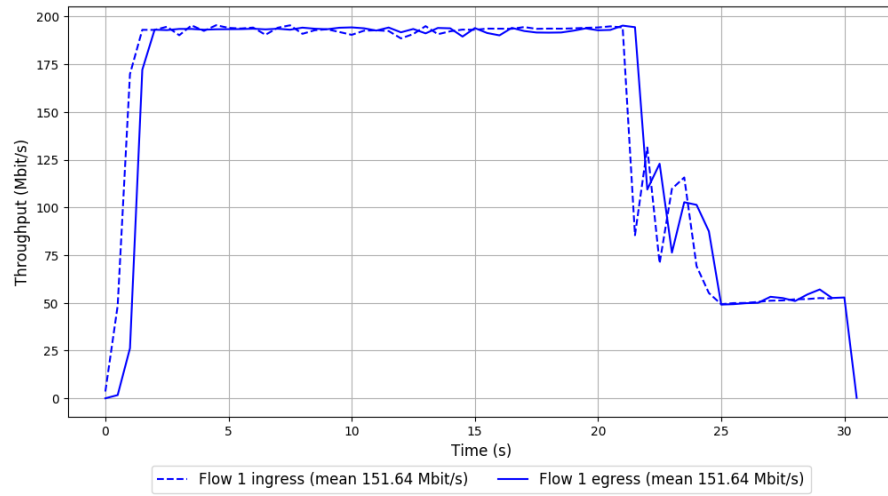
-- Flow 1:

Average throughput: 151.64 Mbit/s

95th percentile per-packet one-way delay: 72.250 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

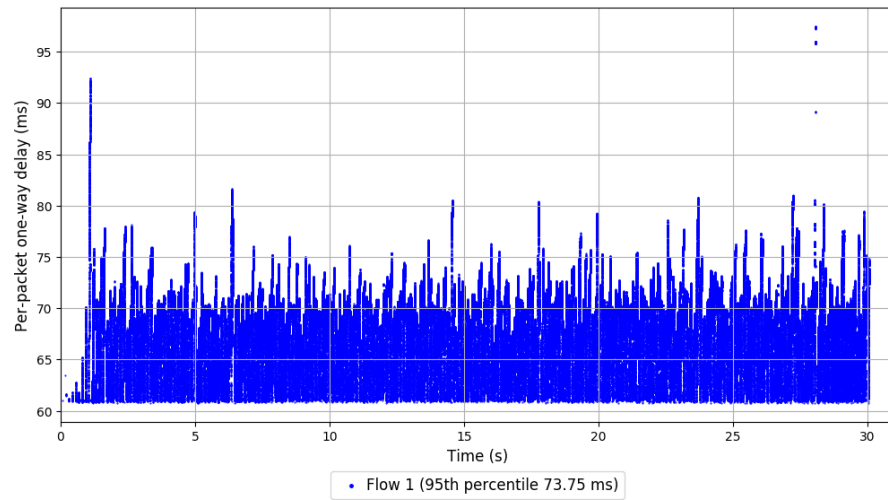
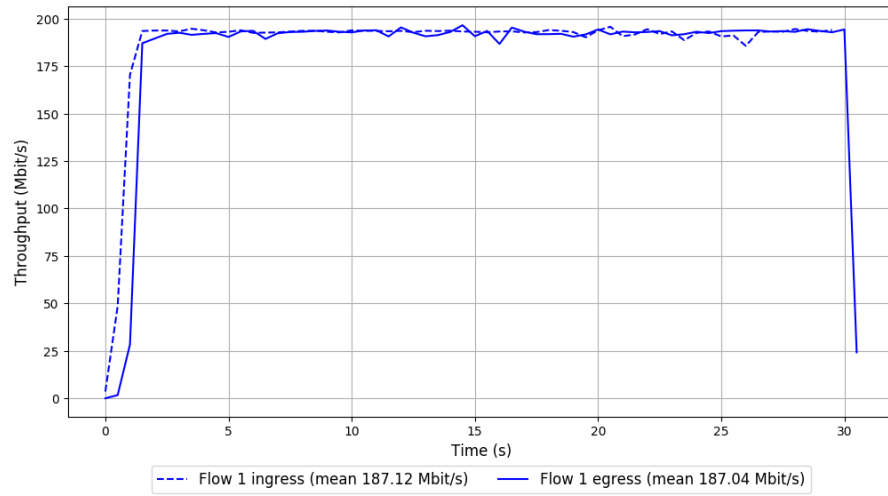


Run 2: Statistics of TCP Vegas

Start at: 2018-06-30 11:21:09
End at: 2018-06-30 11:21:39
Local clock offset: 0.067 ms
Remote clock offset: -0.306 ms

Below is generated by plot.py at 2018-06-30 15:35:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.04 Mbit/s
95th percentile per-packet one-way delay: 73.750 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 187.04 Mbit/s
95th percentile per-packet one-way delay: 73.750 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

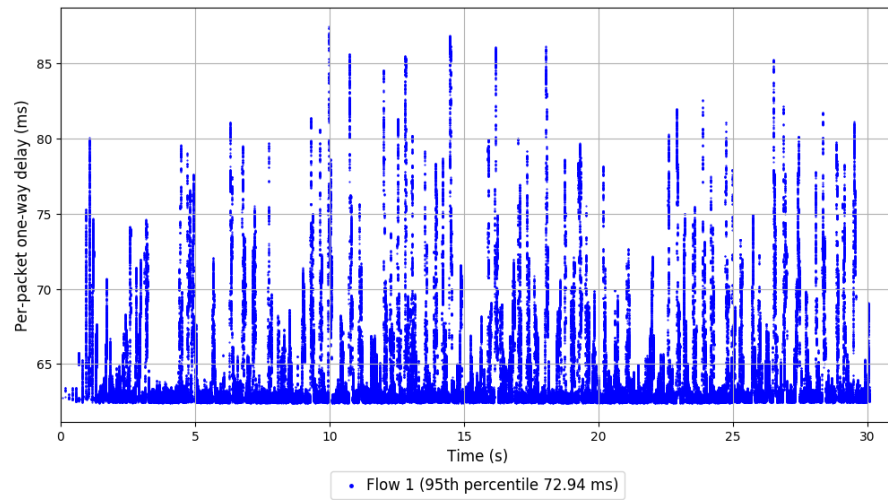
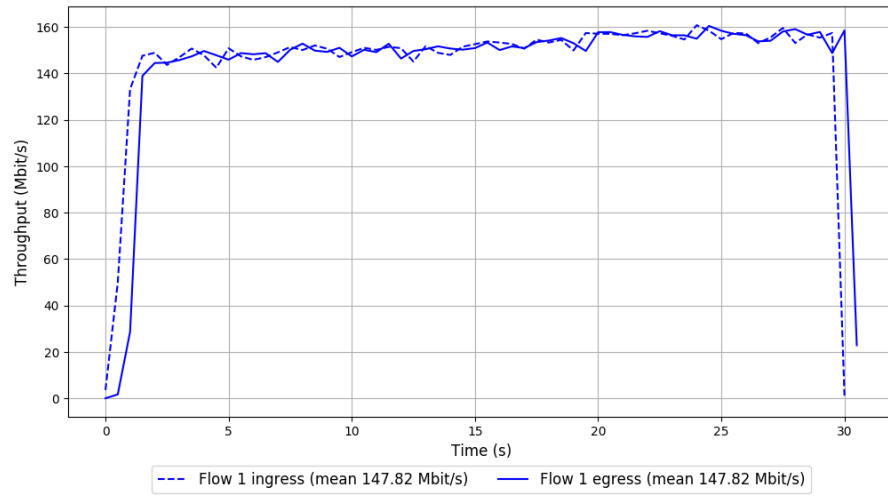


Run 3: Statistics of TCP Vegas

Start at: 2018-06-30 11:42:31
End at: 2018-06-30 11:43:01
Local clock offset: -0.012 ms
Remote clock offset: 1.475 ms

Below is generated by plot.py at 2018-06-30 15:35:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 147.82 Mbit/s
95th percentile per-packet one-way delay: 72.941 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 147.82 Mbit/s
95th percentile per-packet one-way delay: 72.941 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-06-30 12:03:47

End at: 2018-06-30 12:04:17

Local clock offset: -0.124 ms

Remote clock offset: -0.16 ms

Below is generated by plot.py at 2018-06-30 15:35:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.62 Mbit/s

95th percentile per-packet one-way delay: 72.688 ms

Loss rate: 0.00%

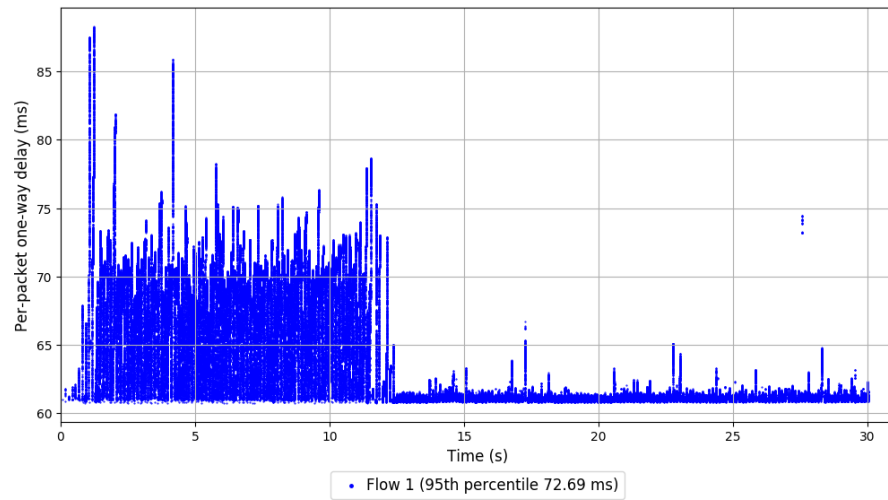
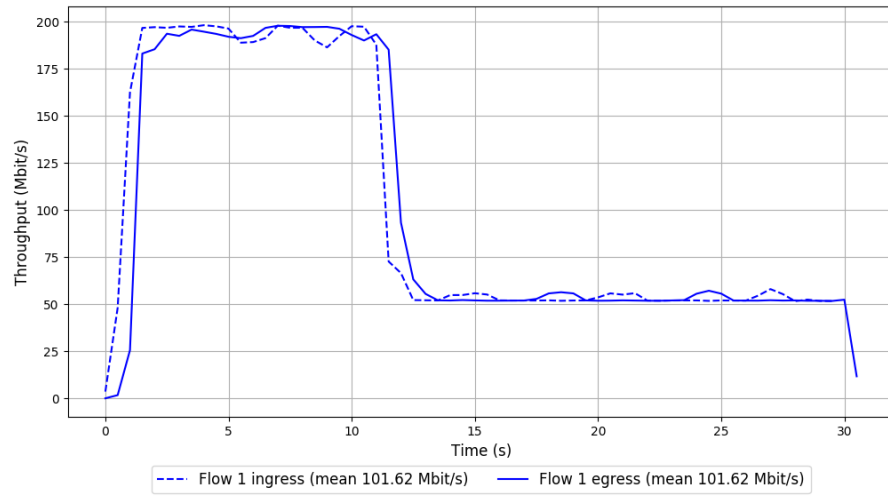
-- Flow 1:

Average throughput: 101.62 Mbit/s

95th percentile per-packet one-way delay: 72.688 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-06-30 12:25:03

End at: 2018-06-30 12:25:33

Local clock offset: -0.018 ms

Remote clock offset: 0.052 ms

Below is generated by plot.py at 2018-06-30 15:35:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 129.41 Mbit/s

95th percentile per-packet one-way delay: 62.796 ms

Loss rate: 0.00%

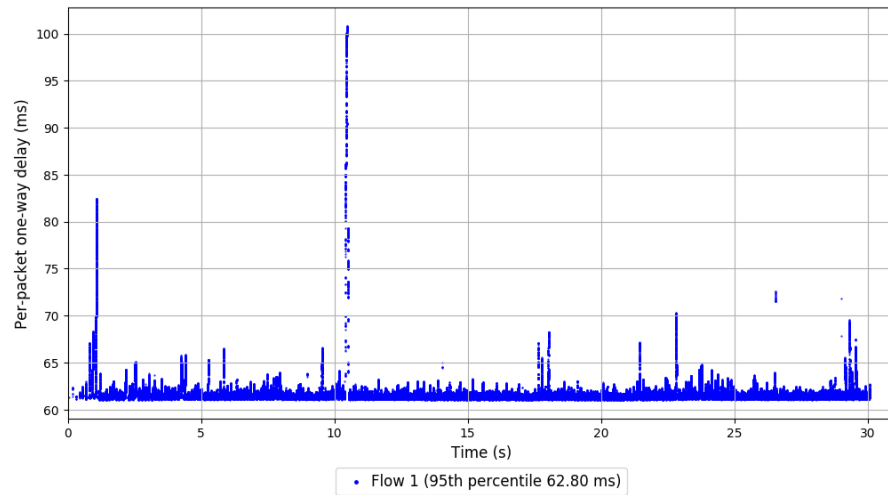
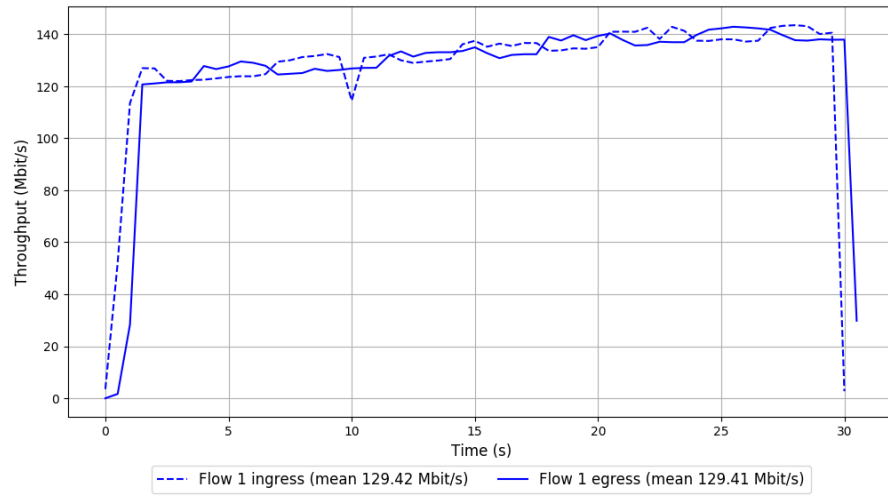
-- Flow 1:

Average throughput: 129.41 Mbit/s

95th percentile per-packet one-way delay: 62.796 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-06-30 12:46:08

End at: 2018-06-30 12:46:38

Local clock offset: 0.025 ms

Remote clock offset: 0.978 ms

Below is generated by plot.py at 2018-06-30 15:37:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 178.41 Mbit/s

95th percentile per-packet one-way delay: 74.455 ms

Loss rate: 0.05%

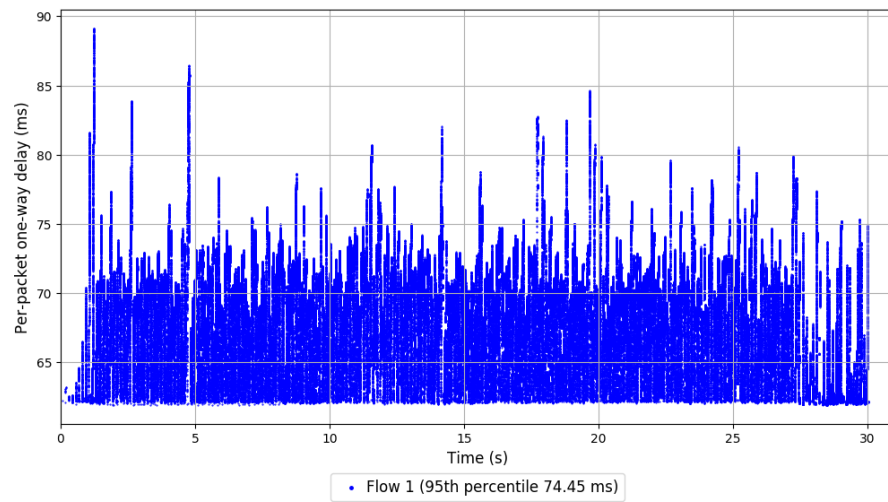
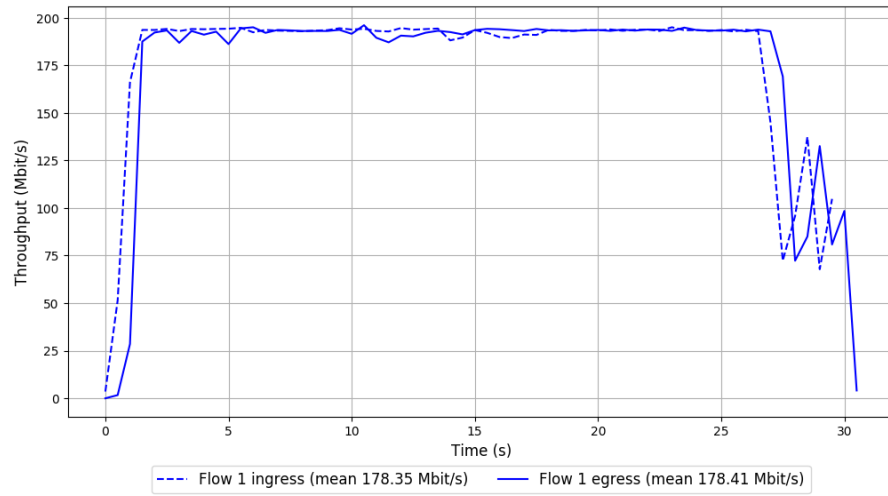
-- Flow 1:

Average throughput: 178.41 Mbit/s

95th percentile per-packet one-way delay: 74.455 ms

Loss rate: 0.05%

Run 6: Report of TCP Vegas — Data Link

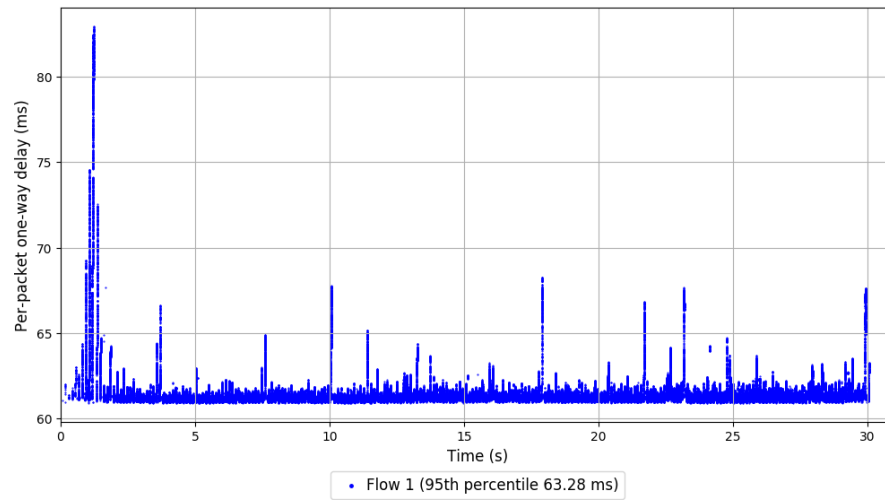
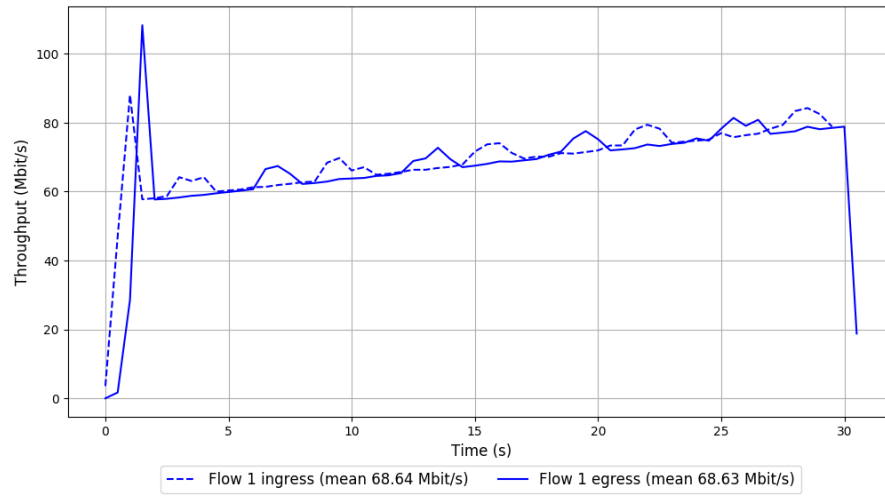


Run 7: Statistics of TCP Vegas

Start at: 2018-06-30 13:07:33
End at: 2018-06-30 13:08:03
Local clock offset: 0.02 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-06-30 15:37:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.63 Mbit/s
95th percentile per-packet one-way delay: 63.279 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.63 Mbit/s
95th percentile per-packet one-way delay: 63.279 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

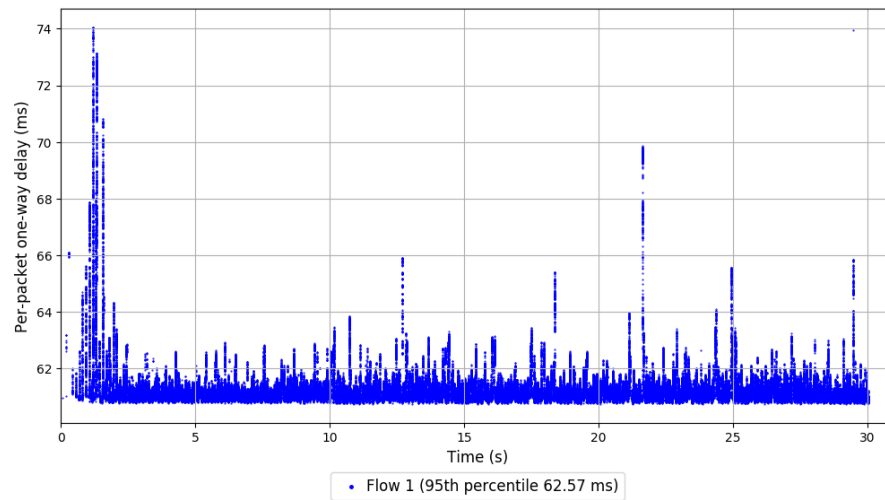
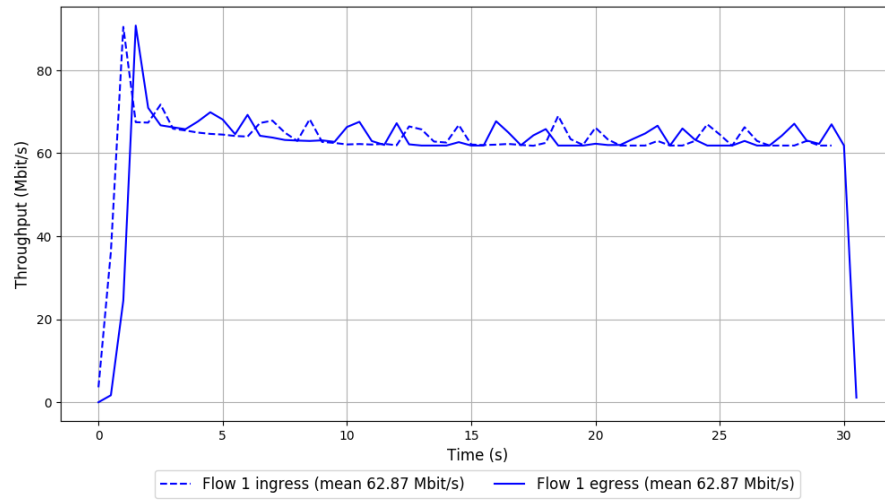


Run 8: Statistics of TCP Vegas

Start at: 2018-06-30 13:28:36
End at: 2018-06-30 13:29:06
Local clock offset: -0.037 ms
Remote clock offset: -0.259 ms

Below is generated by plot.py at 2018-06-30 15:37:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.87 Mbit/s
95th percentile per-packet one-way delay: 62.570 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.87 Mbit/s
95th percentile per-packet one-way delay: 62.570 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

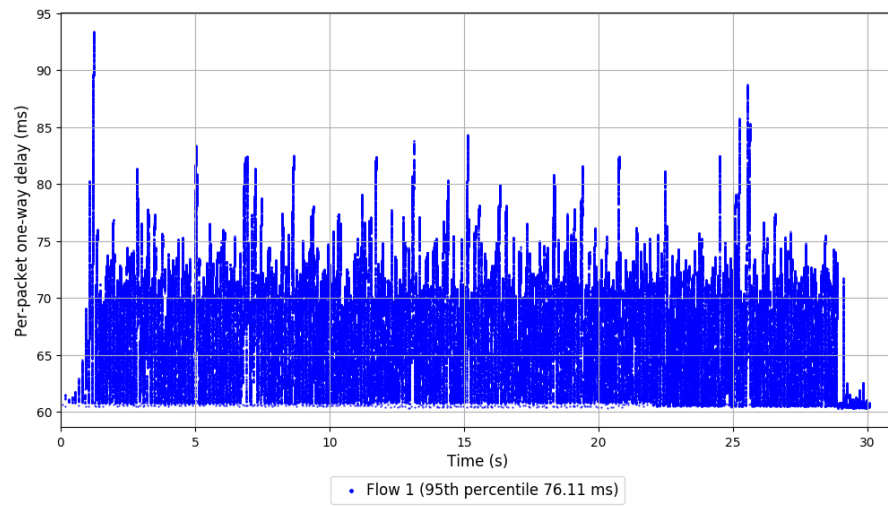
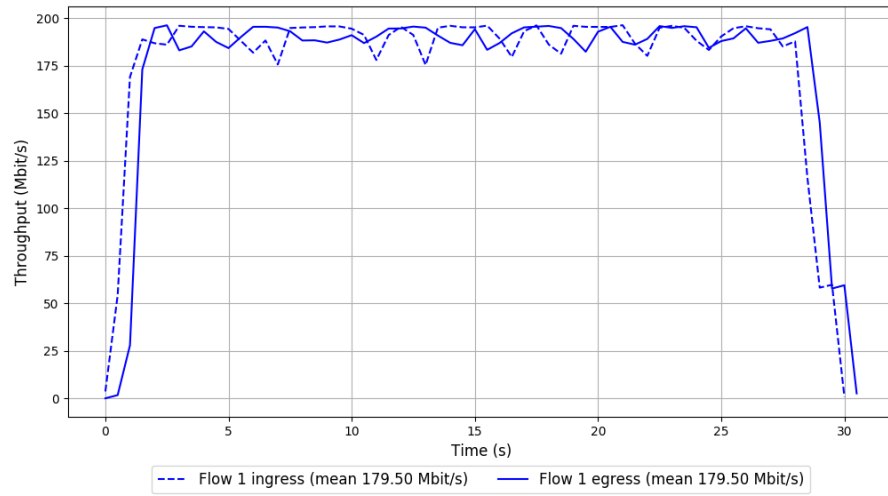


Run 9: Statistics of TCP Vegas

Start at: 2018-06-30 13:49:44
End at: 2018-06-30 13:50:14
Local clock offset: -0.046 ms
Remote clock offset: -0.381 ms

Below is generated by plot.py at 2018-06-30 15:38:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 179.50 Mbit/s
95th percentile per-packet one-way delay: 76.110 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 179.50 Mbit/s
95th percentile per-packet one-way delay: 76.110 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

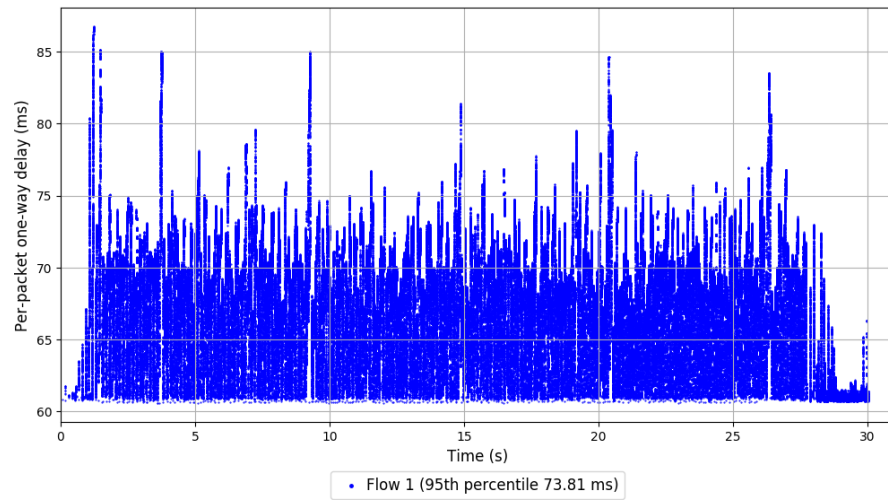
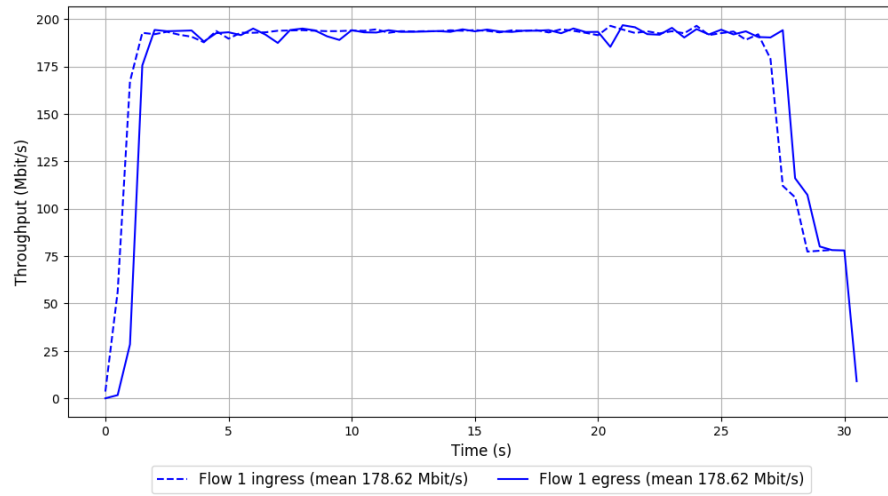


Run 10: Statistics of TCP Vegas

Start at: 2018-06-30 14:11:10
End at: 2018-06-30 14:11:40
Local clock offset: -0.087 ms
Remote clock offset: -0.193 ms

Below is generated by plot.py at 2018-06-30 15:38:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 178.62 Mbit/s
95th percentile per-packet one-way delay: 73.813 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 178.62 Mbit/s
95th percentile per-packet one-way delay: 73.813 ms
Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-06-30 11:00:54

End at: 2018-06-30 11:01:24

Local clock offset: 0.061 ms

Remote clock offset: 1.29 ms

Below is generated by plot.py at 2018-06-30 15:39:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.47 Mbit/s

95th percentile per-packet one-way delay: 119.710 ms

Loss rate: 0.07%

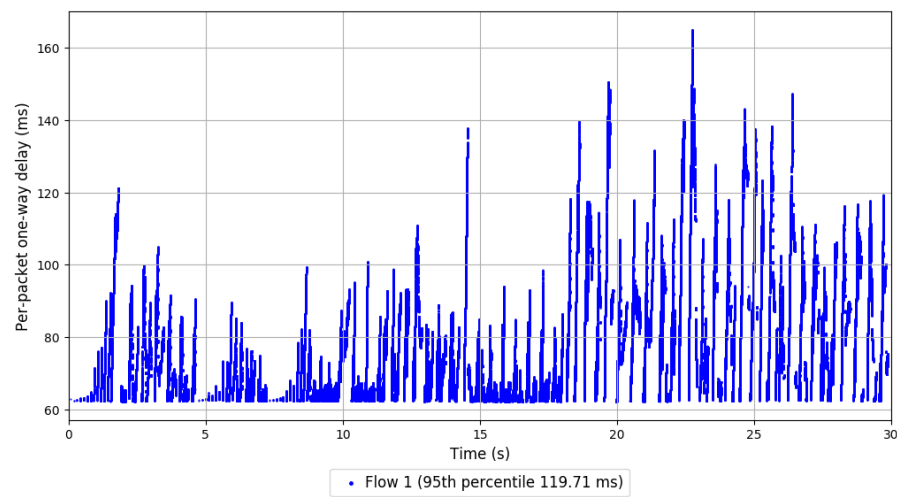
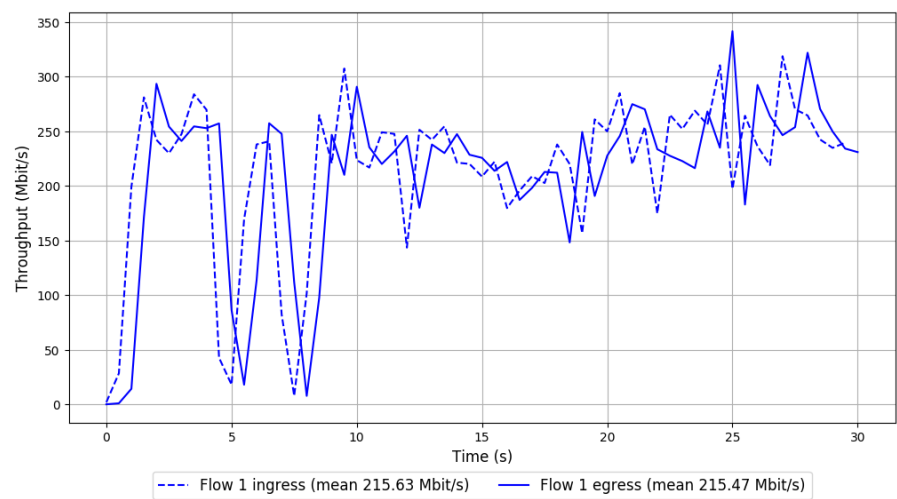
-- Flow 1:

Average throughput: 215.47 Mbit/s

95th percentile per-packet one-way delay: 119.710 ms

Loss rate: 0.07%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-06-30 11:22:24

End at: 2018-06-30 11:22:54

Local clock offset: 0.095 ms

Remote clock offset: 0.118 ms

Below is generated by plot.py at 2018-06-30 15:39:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.60 Mbit/s

95th percentile per-packet one-way delay: 134.071 ms

Loss rate: 0.33%

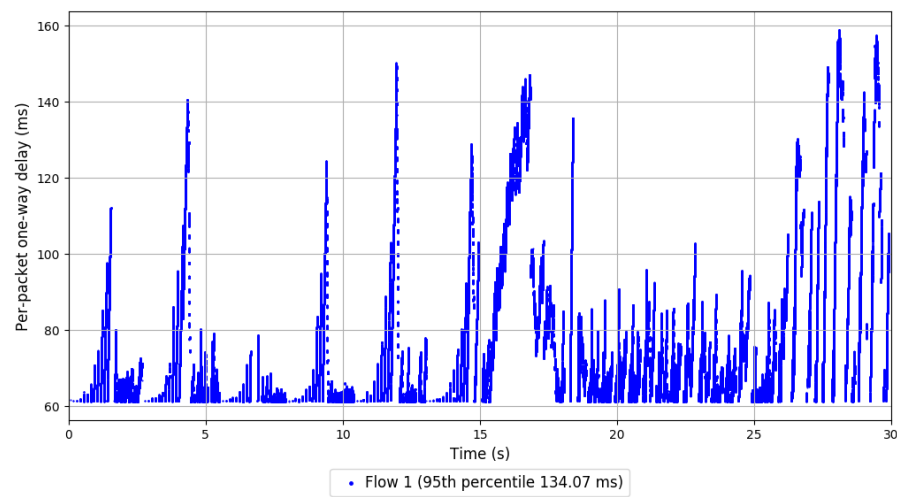
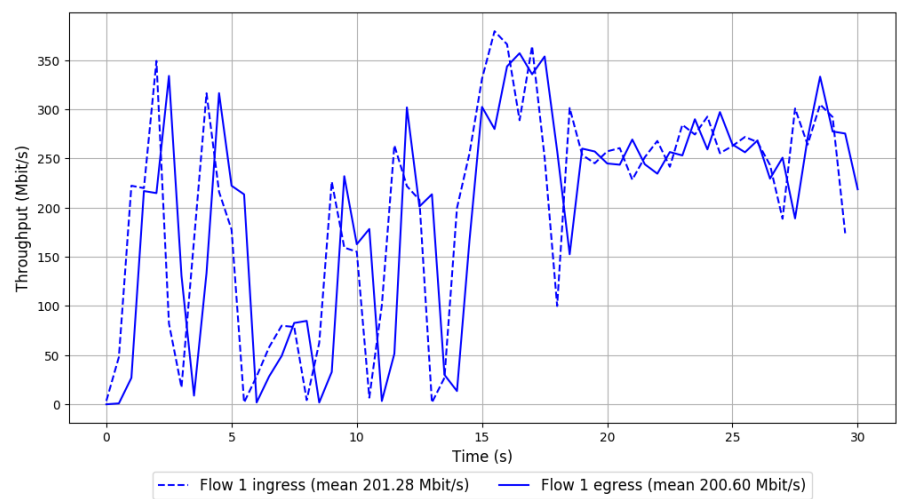
-- Flow 1:

Average throughput: 200.60 Mbit/s

95th percentile per-packet one-way delay: 134.071 ms

Loss rate: 0.33%

Run 2: Report of Verus — Data Link

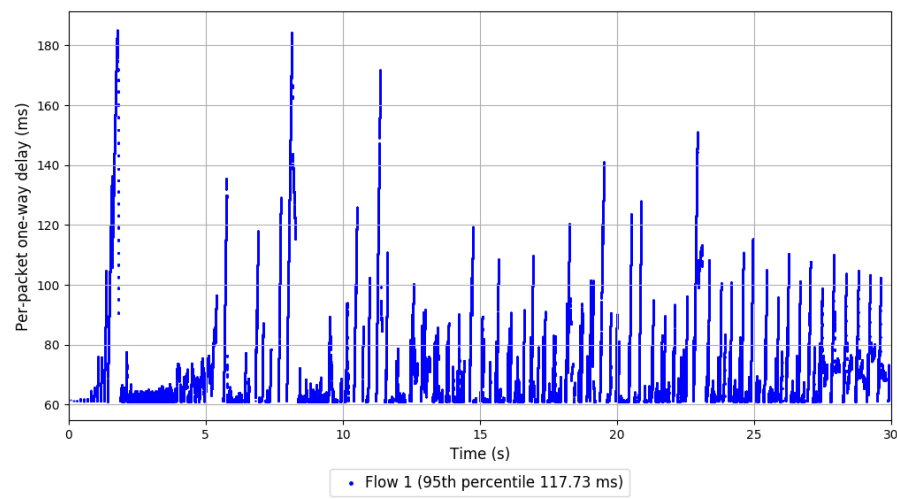
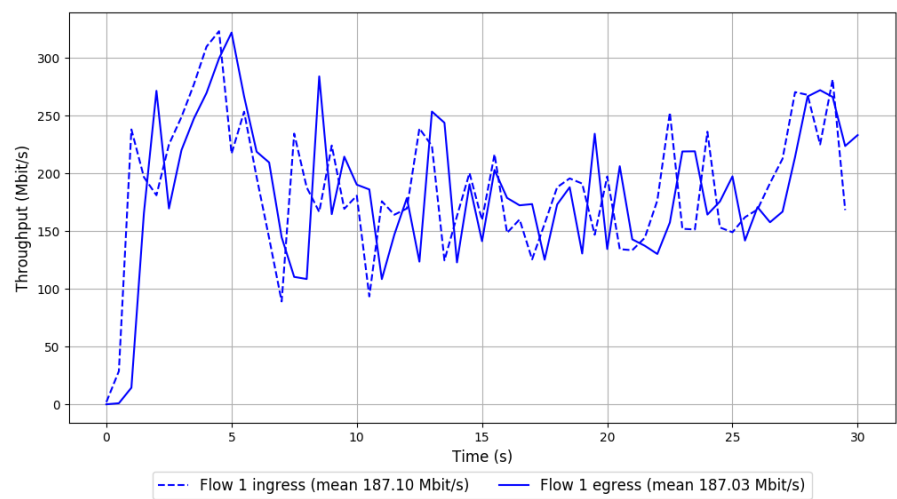


Run 3: Statistics of Verus

Start at: 2018-06-30 11:43:44
End at: 2018-06-30 11:44:14
Local clock offset: -0.021 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-06-30 15:39:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.03 Mbit/s
95th percentile per-packet one-way delay: 117.734 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 187.03 Mbit/s
95th percentile per-packet one-way delay: 117.734 ms
Loss rate: 0.00%

Run 3: Report of Verus — Data Link

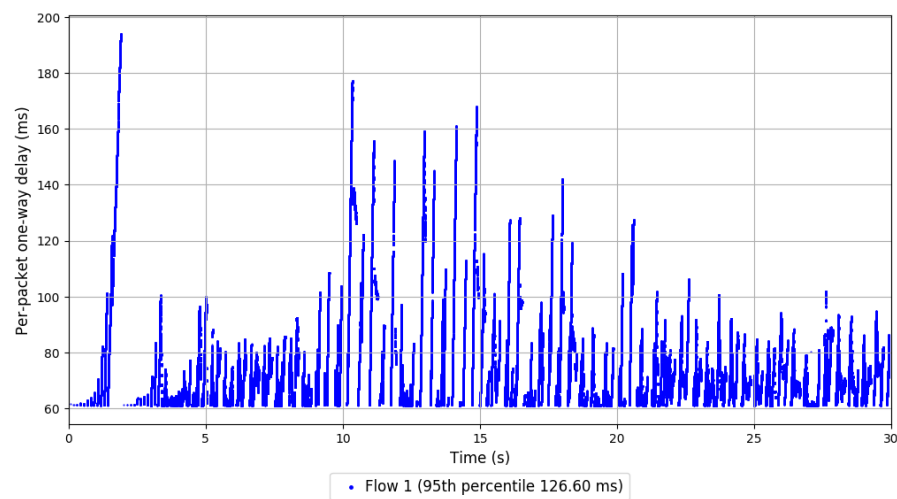
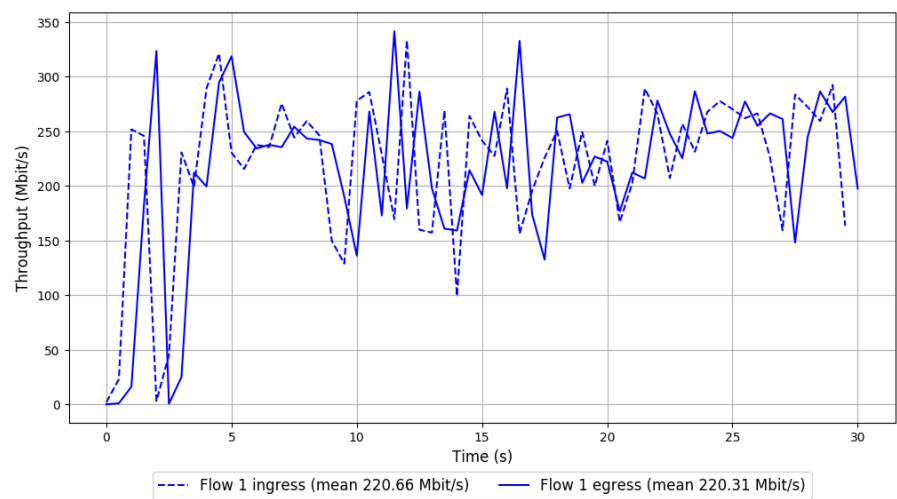


Run 4: Statistics of Verus

Start at: 2018-06-30 12:04:59
End at: 2018-06-30 12:05:29
Local clock offset: -0.101 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-06-30 15:39:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 220.31 Mbit/s
95th percentile per-packet one-way delay: 126.601 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 220.31 Mbit/s
95th percentile per-packet one-way delay: 126.601 ms
Loss rate: 0.16%

Run 4: Report of Verus — Data Link

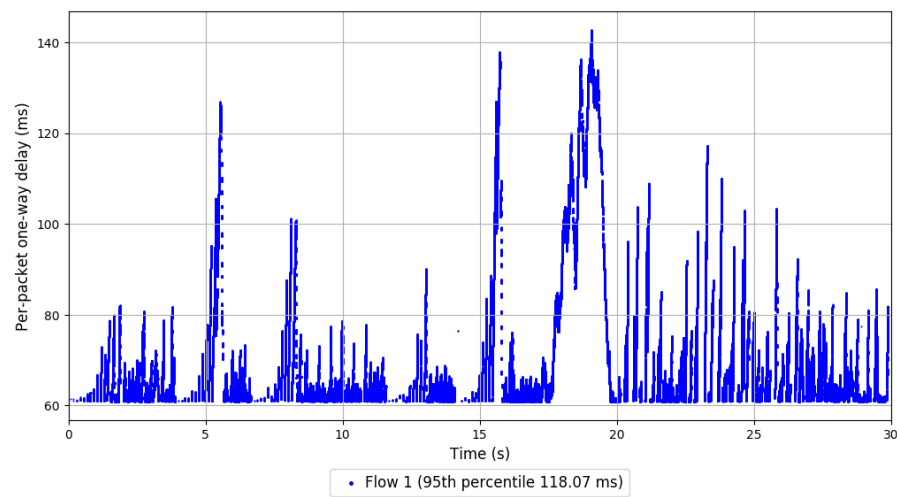
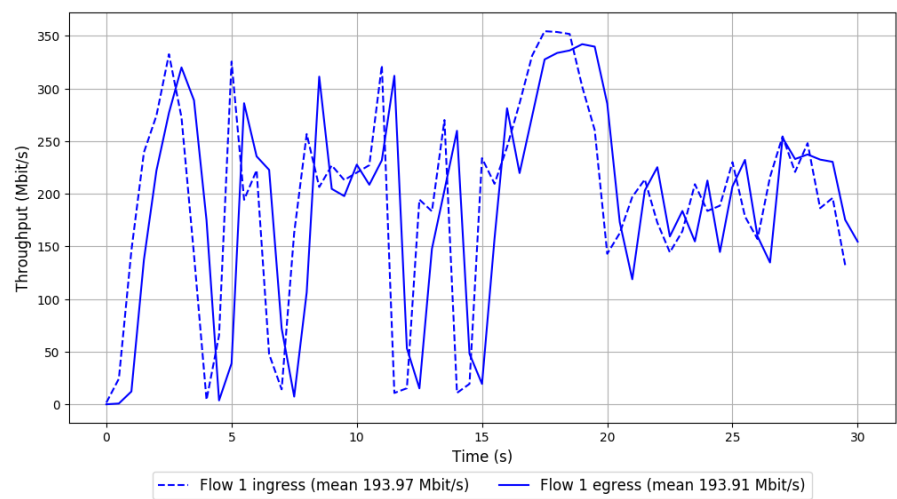


Run 5: Statistics of Verus

Start at: 2018-06-30 12:26:15
End at: 2018-06-30 12:26:45
Local clock offset: -0.007 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-06-30 15:39:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 193.91 Mbit/s
95th percentile per-packet one-way delay: 118.066 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 193.91 Mbit/s
95th percentile per-packet one-way delay: 118.066 ms
Loss rate: 0.03%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-06-30 12:47:23

End at: 2018-06-30 12:47:53

Local clock offset: 0.046 ms

Remote clock offset: 0.922 ms

Below is generated by plot.py at 2018-06-30 15:41:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.56 Mbit/s

95th percentile per-packet one-way delay: 224.774 ms

Loss rate: 1.65%

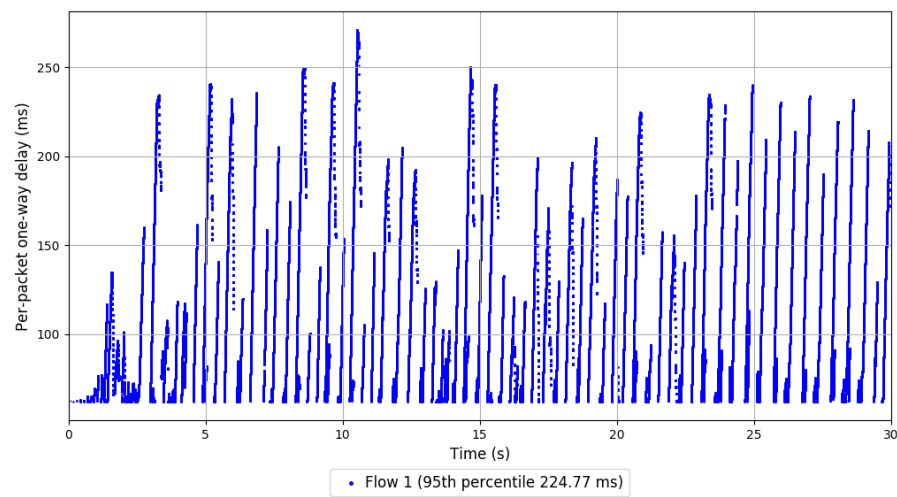
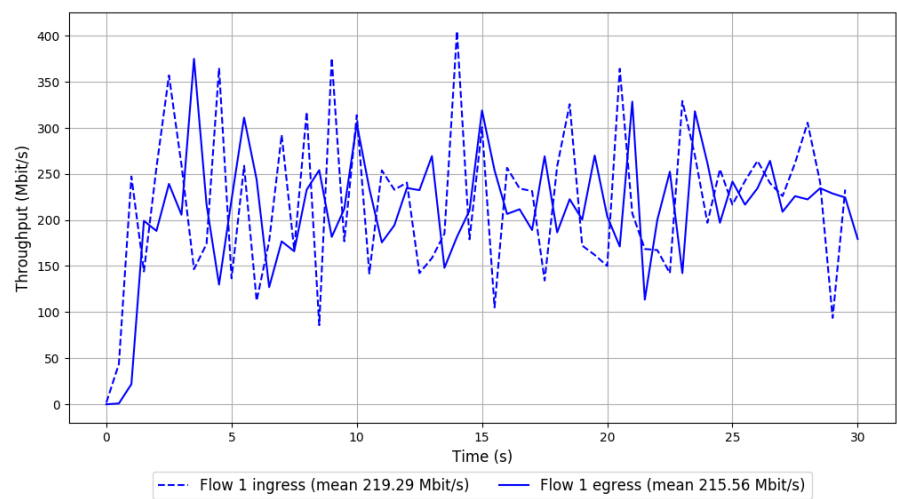
-- Flow 1:

Average throughput: 215.56 Mbit/s

95th percentile per-packet one-way delay: 224.774 ms

Loss rate: 1.65%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-06-30 13:08:42

End at: 2018-06-30 13:09:12

Local clock offset: 0.06 ms

Remote clock offset: 0.069 ms

Below is generated by plot.py at 2018-06-30 15:41:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 178.65 Mbit/s

95th percentile per-packet one-way delay: 146.562 ms

Loss rate: 0.06%

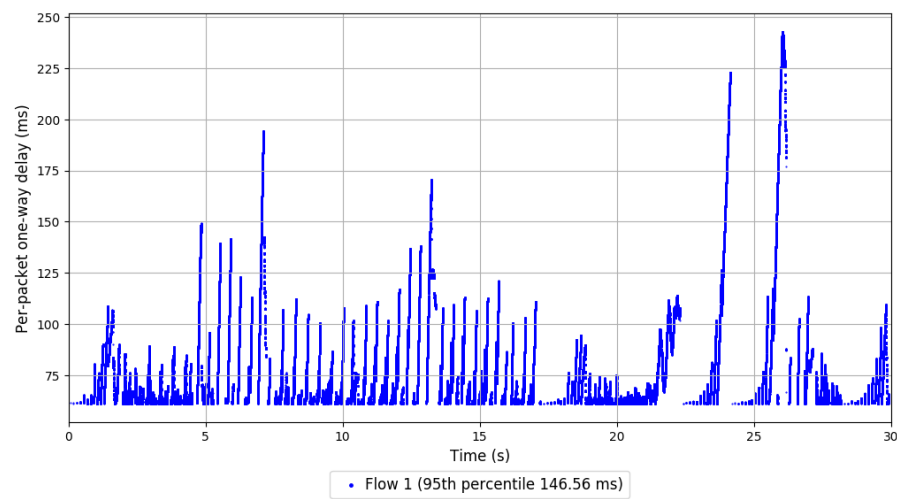
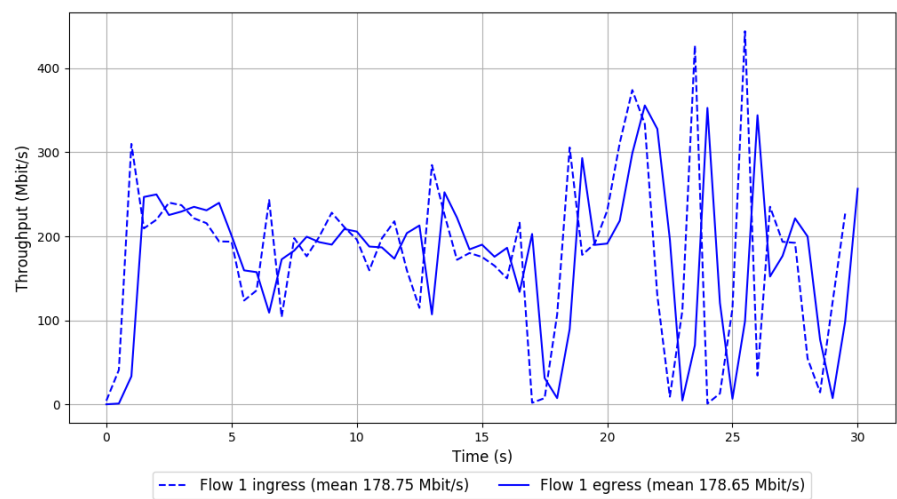
-- Flow 1:

Average throughput: 178.65 Mbit/s

95th percentile per-packet one-way delay: 146.562 ms

Loss rate: 0.06%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-06-30 13:29:45

End at: 2018-06-30 13:30:16

Local clock offset: -0.027 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-06-30 15:42:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 231.65 Mbit/s

95th percentile per-packet one-way delay: 182.070 ms

Loss rate: 0.24%

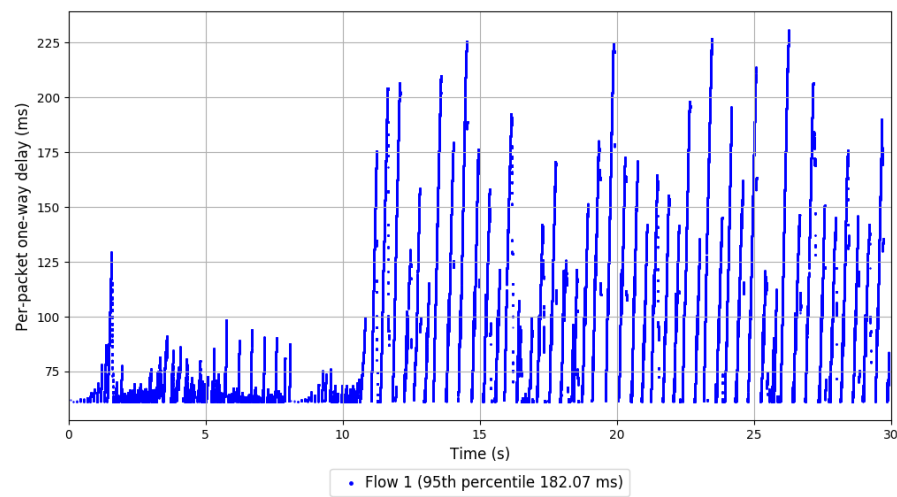
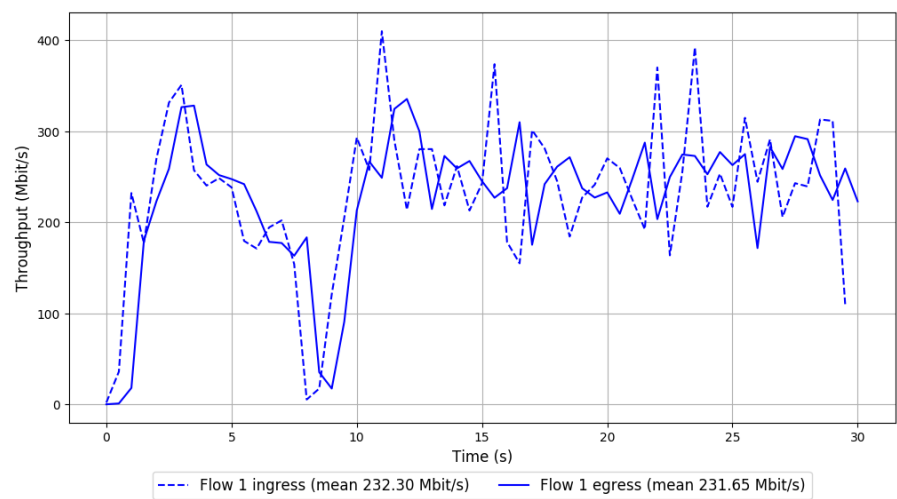
-- Flow 1:

Average throughput: 231.65 Mbit/s

95th percentile per-packet one-way delay: 182.070 ms

Loss rate: 0.24%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-06-30 13:50:59

End at: 2018-06-30 13:51:29

Local clock offset: -0.099 ms

Remote clock offset: 0.98 ms

Below is generated by plot.py at 2018-06-30 15:42:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.52 Mbit/s

95th percentile per-packet one-way delay: 105.362 ms

Loss rate: 0.40%

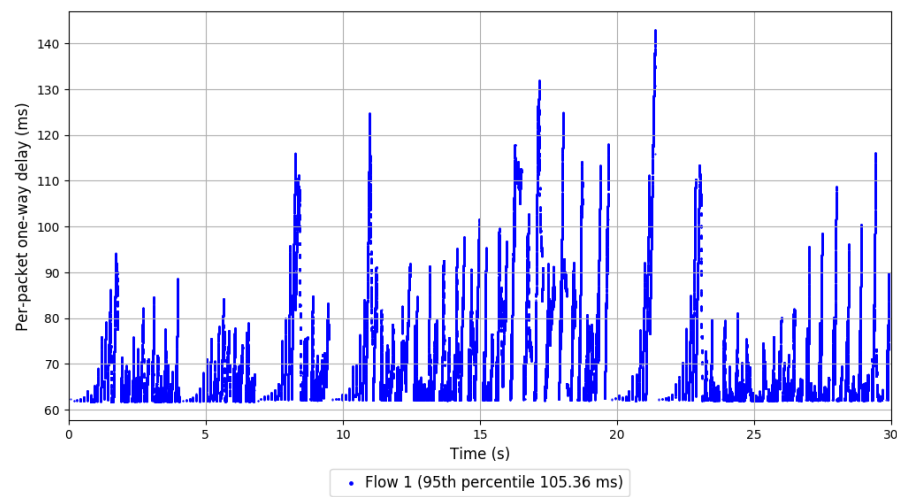
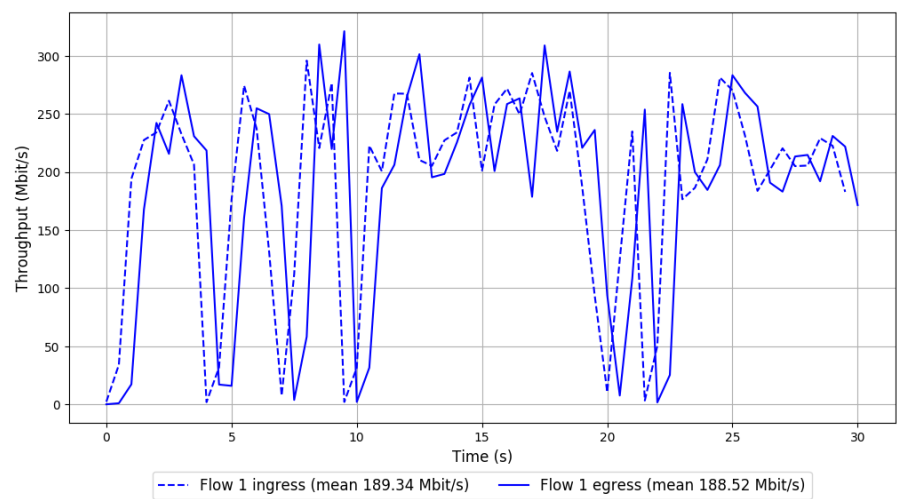
-- Flow 1:

Average throughput: 188.52 Mbit/s

95th percentile per-packet one-way delay: 105.362 ms

Loss rate: 0.40%

Run 9: Report of Verus — Data Link

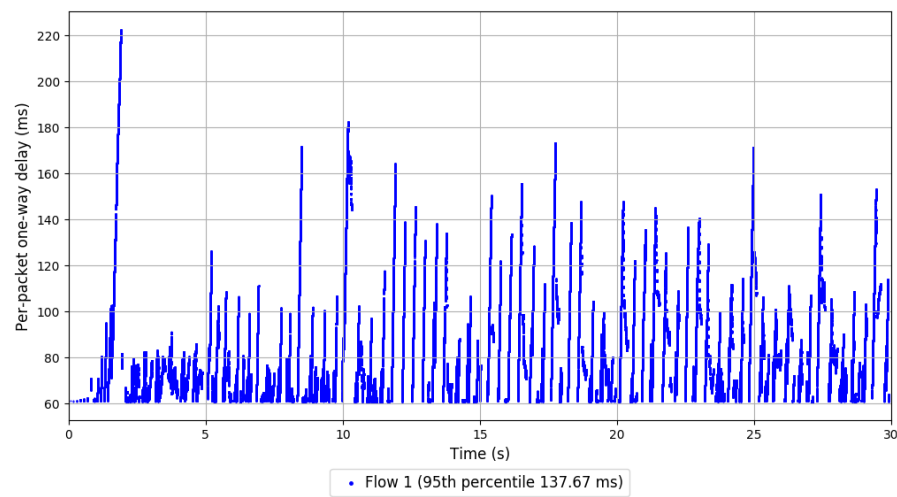
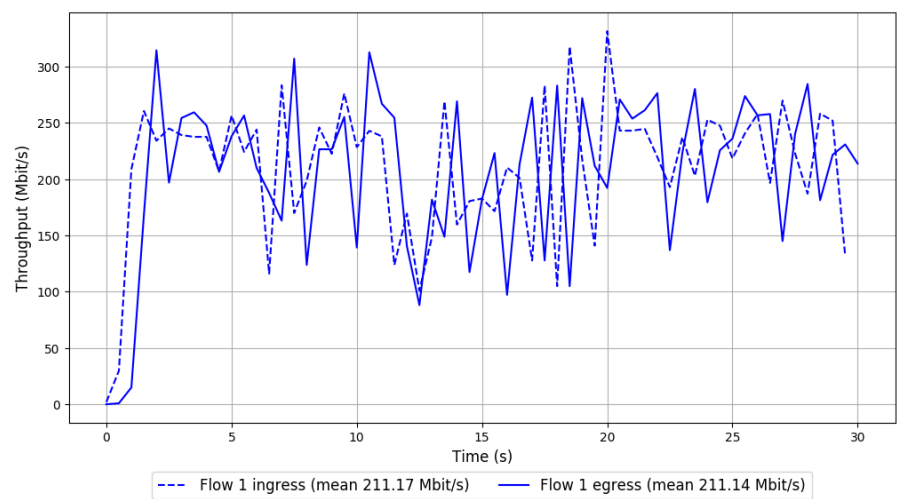


Run 10: Statistics of Verus

Start at: 2018-06-30 14:12:26
End at: 2018-06-30 14:12:56
Local clock offset: -0.192 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-06-30 15:43:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 211.14 Mbit/s
95th percentile per-packet one-way delay: 137.666 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 211.14 Mbit/s
95th percentile per-packet one-way delay: 137.666 ms
Loss rate: 0.01%

Run 10: Report of Verus — Data Link

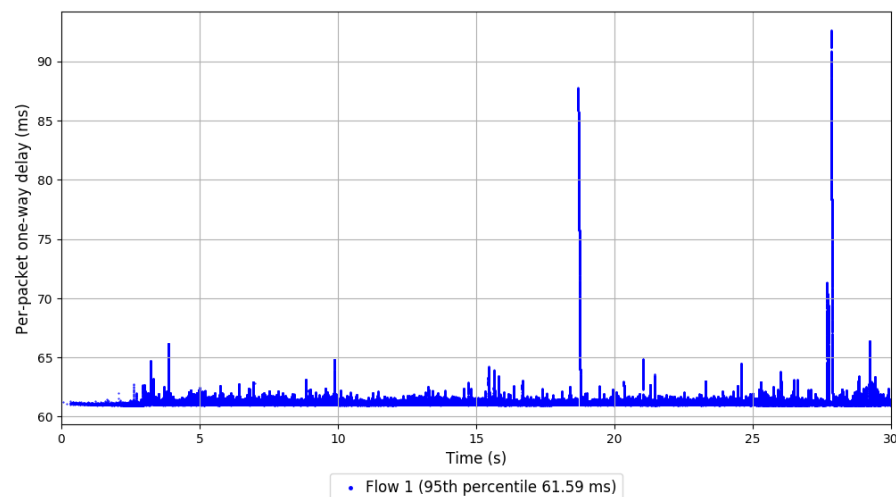
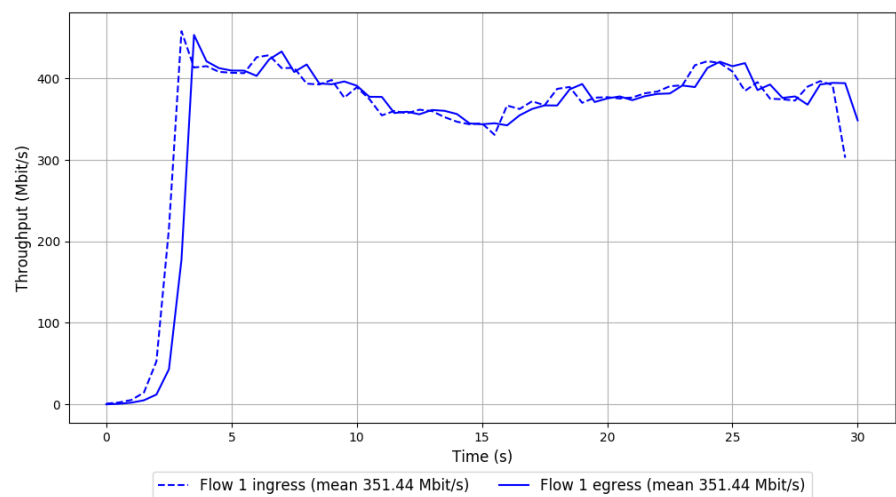


Run 1: Statistics of PCC-Vivace

Start at: 2018-06-30 11:06:11
End at: 2018-06-30 11:06:41
Local clock offset: 0.032 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-06-30 15:46:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 351.44 Mbit/s
95th percentile per-packet one-way delay: 61.585 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 351.44 Mbit/s
95th percentile per-packet one-way delay: 61.585 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-06-30 11:27:36

End at: 2018-06-30 11:28:06

Local clock offset: 0.037 ms

Remote clock offset: -0.328 ms

Below is generated by plot.py at 2018-06-30 15:46:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 310.92 Mbit/s

95th percentile per-packet one-way delay: 61.982 ms

Loss rate: 0.00%

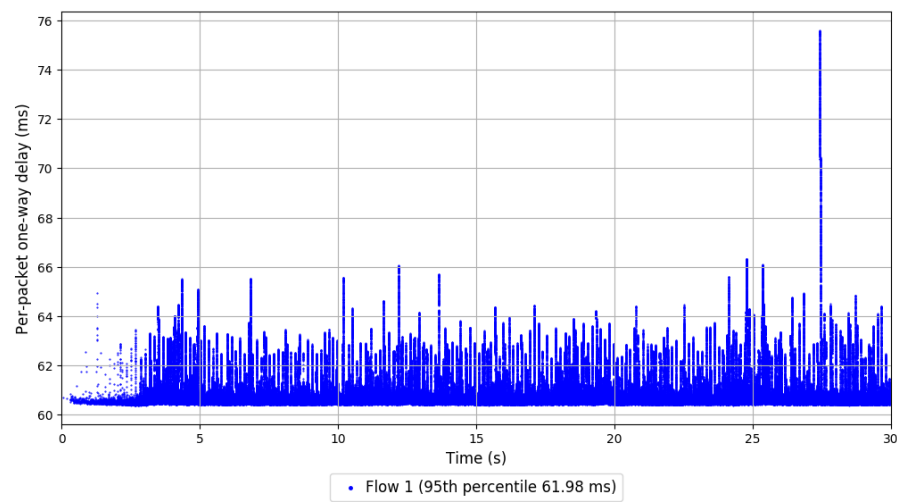
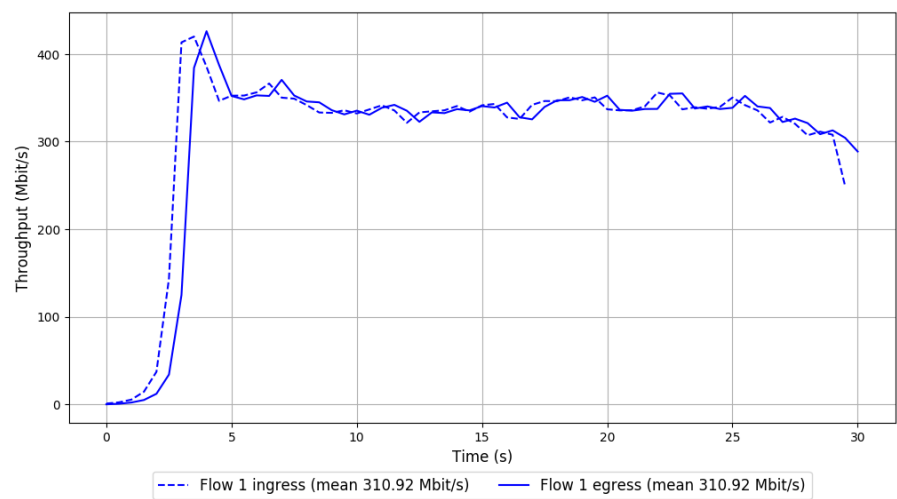
-- Flow 1:

Average throughput: 310.92 Mbit/s

95th percentile per-packet one-way delay: 61.982 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

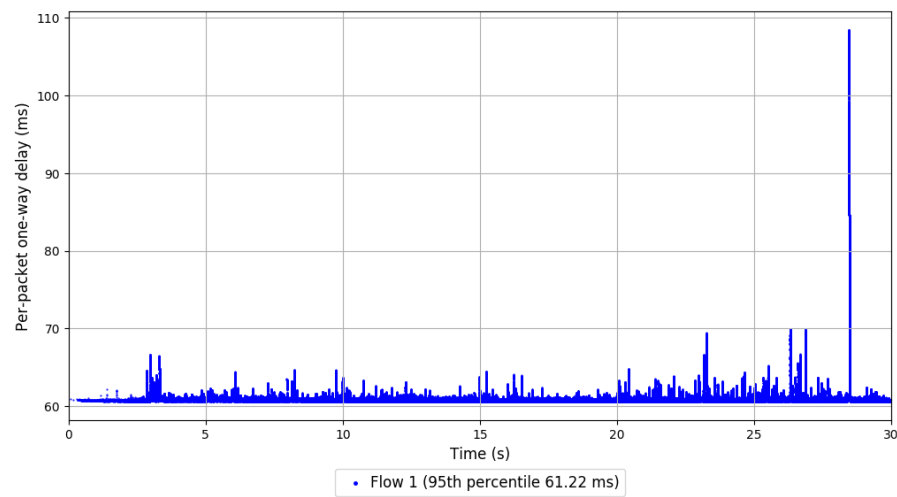
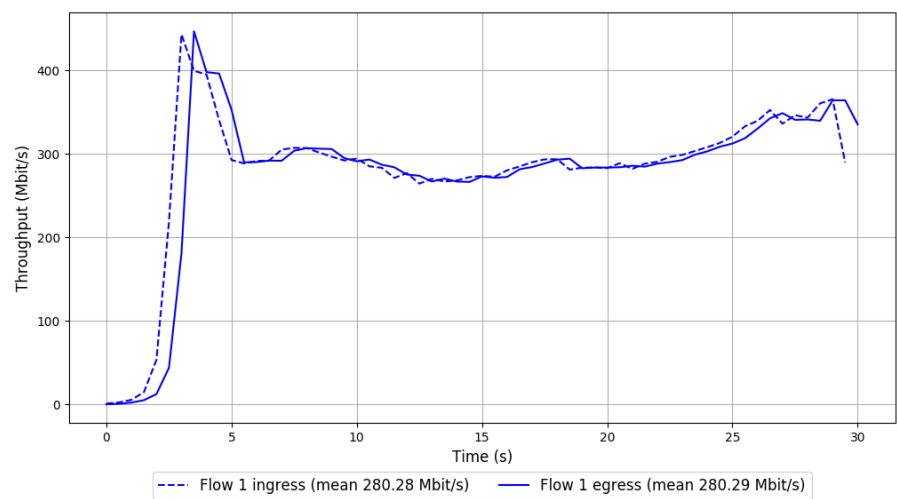


Run 3: Statistics of PCC-Vivace

Start at: 2018-06-30 11:48:55
End at: 2018-06-30 11:49:25
Local clock offset: -0.093 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-06-30 15:46:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 280.29 Mbit/s
95th percentile per-packet one-way delay: 61.223 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 280.29 Mbit/s
95th percentile per-packet one-way delay: 61.223 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-06-30 12:10:13

End at: 2018-06-30 12:10:43

Local clock offset: -0.039 ms

Remote clock offset: 1.312 ms

Below is generated by plot.py at 2018-06-30 15:48:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 332.69 Mbit/s

95th percentile per-packet one-way delay: 63.539 ms

Loss rate: 0.00%

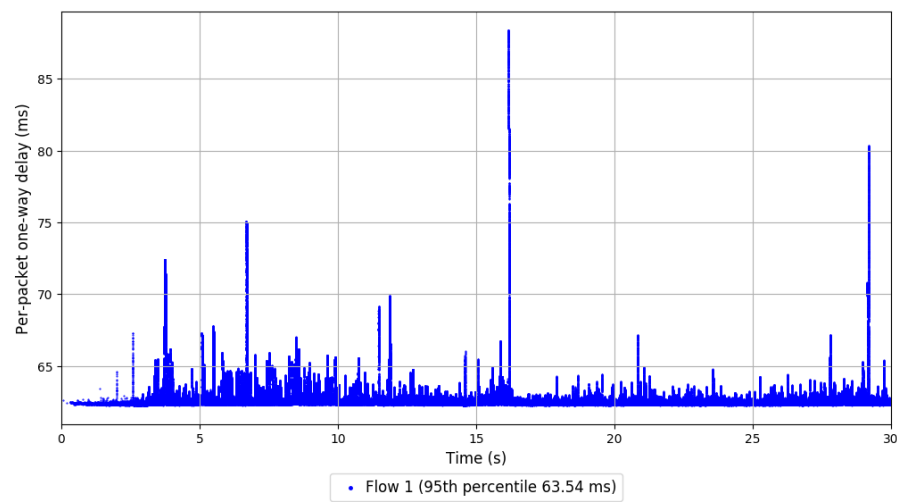
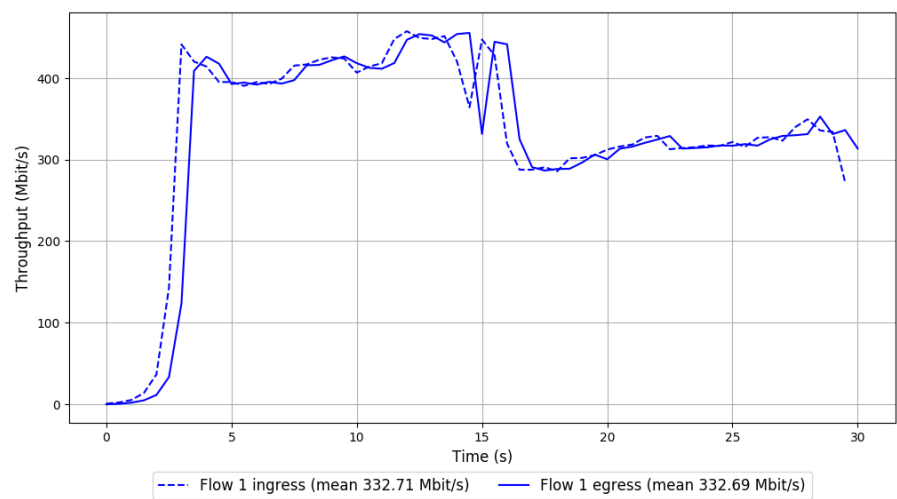
-- Flow 1:

Average throughput: 332.69 Mbit/s

95th percentile per-packet one-way delay: 63.539 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

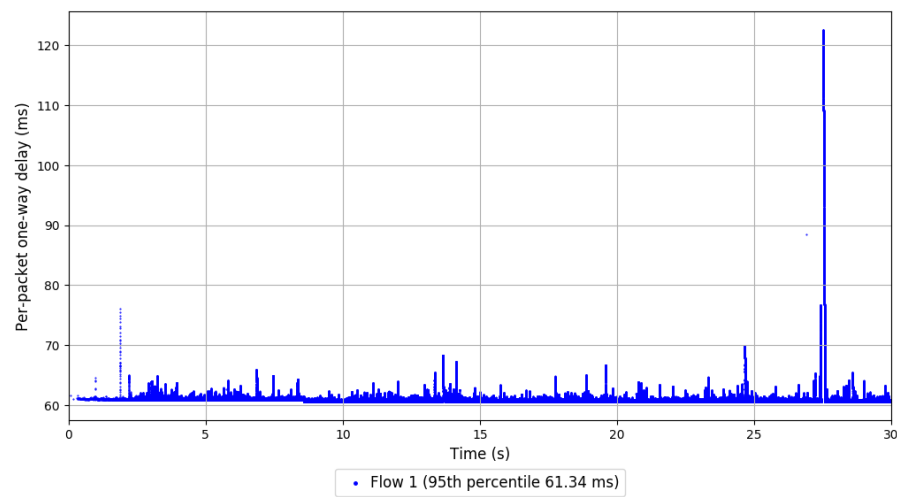
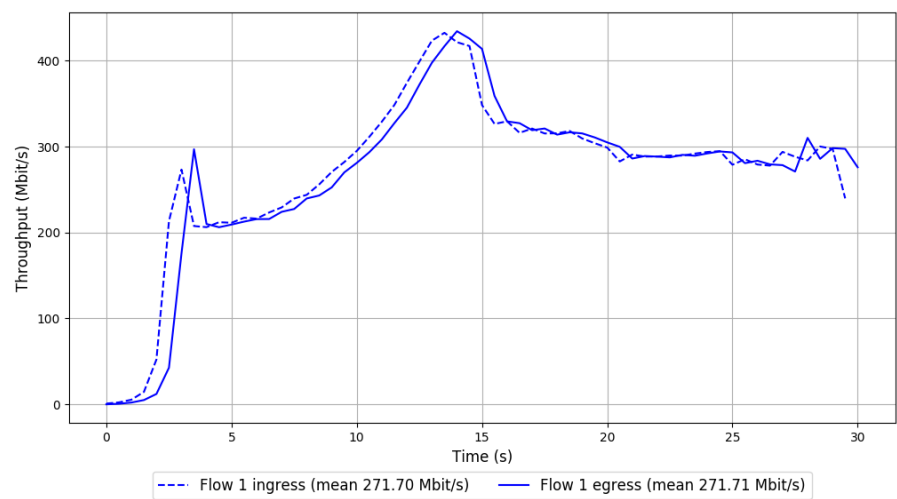


Run 5: Statistics of PCC-Vivace

Start at: 2018-06-30 12:31:28
End at: 2018-06-30 12:31:58
Local clock offset: -0.056 ms
Remote clock offset: -0.232 ms

Below is generated by plot.py at 2018-06-30 15:48:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 271.71 Mbit/s
95th percentile per-packet one-way delay: 61.345 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 271.71 Mbit/s
95th percentile per-packet one-way delay: 61.345 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-06-30 12:52:37

End at: 2018-06-30 12:53:07

Local clock offset: -0.029 ms

Remote clock offset: 0.129 ms

Below is generated by plot.py at 2018-06-30 15:49:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 317.05 Mbit/s

95th percentile per-packet one-way delay: 64.635 ms

Loss rate: 0.00%

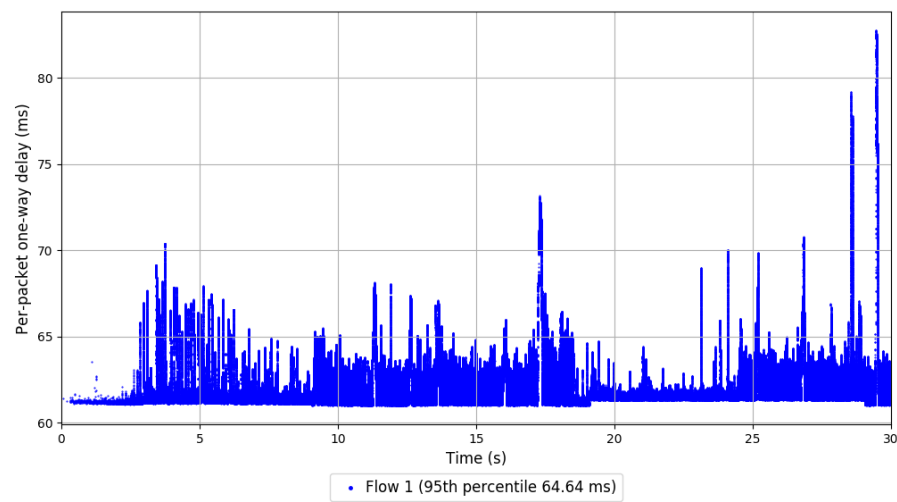
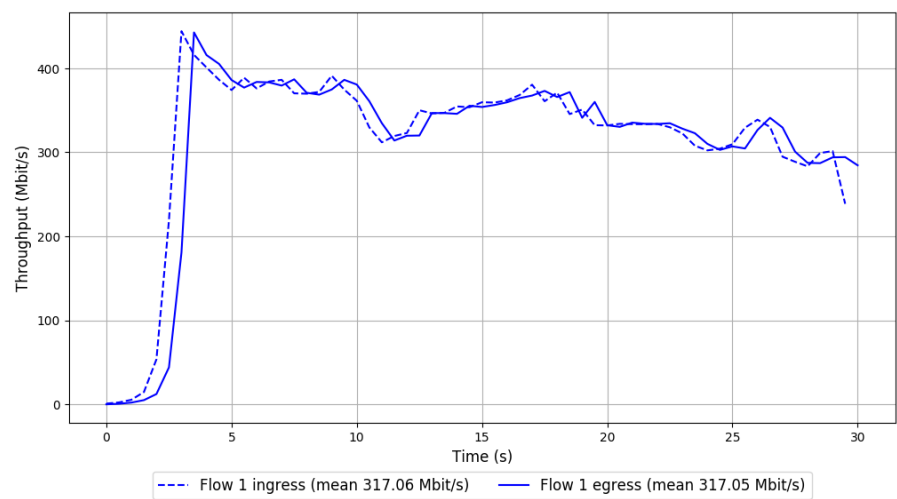
-- Flow 1:

Average throughput: 317.05 Mbit/s

95th percentile per-packet one-way delay: 64.635 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link

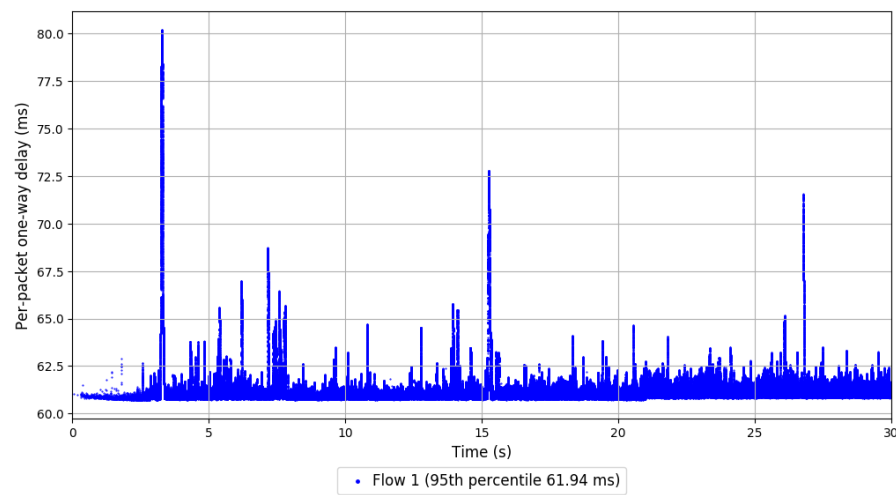
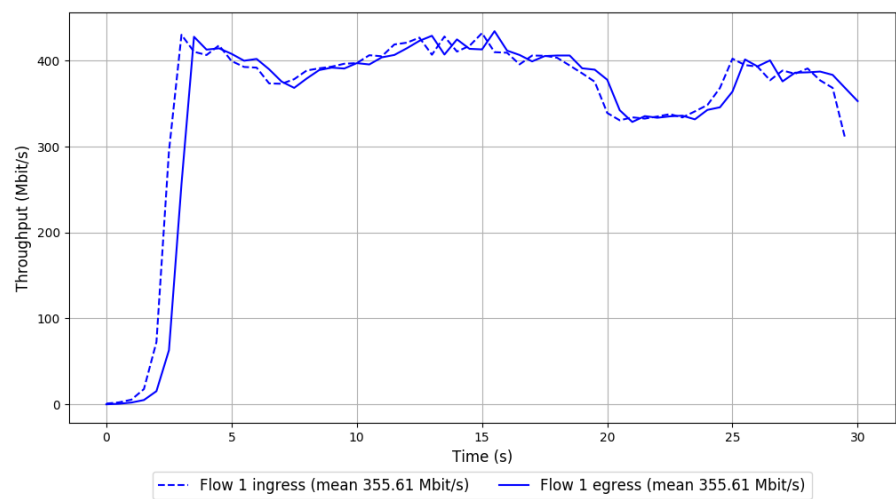


Run 7: Statistics of PCC-Vivace

Start at: 2018-06-30 13:13:55
End at: 2018-06-30 13:14:25
Local clock offset: -0.019 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2018-06-30 15:49:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 355.61 Mbit/s
95th percentile per-packet one-way delay: 61.941 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 355.61 Mbit/s
95th percentile per-packet one-way delay: 61.941 ms
Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link

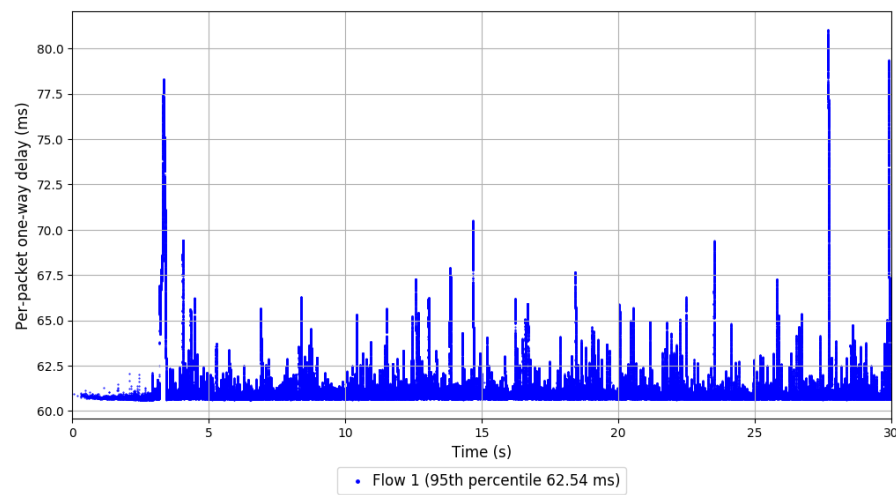
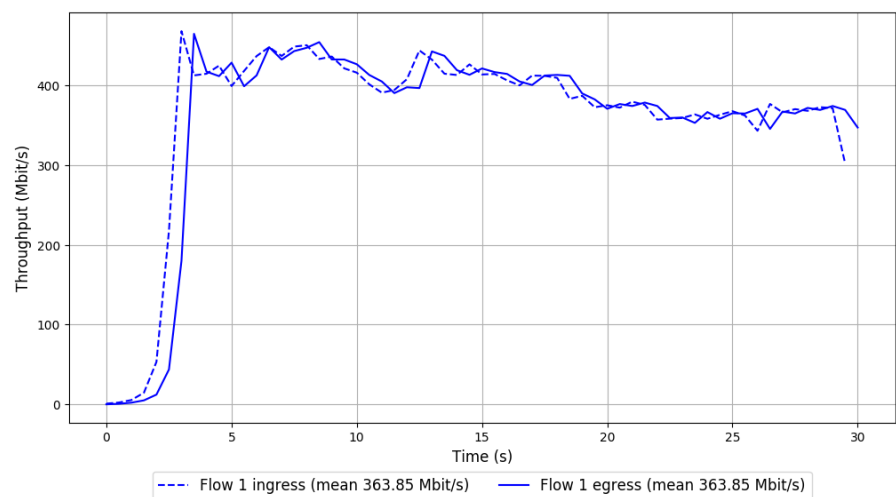


Run 8: Statistics of PCC-Vivace

Start at: 2018-06-30 13:35:02
End at: 2018-06-30 13:35:32
Local clock offset: -0.007 ms
Remote clock offset: -0.182 ms

Below is generated by plot.py at 2018-06-30 15:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 363.85 Mbit/s
95th percentile per-packet one-way delay: 62.542 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 363.85 Mbit/s
95th percentile per-packet one-way delay: 62.542 ms
Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-06-30 13:56:07

End at: 2018-06-30 13:56:37

Local clock offset: -0.114 ms

Remote clock offset: 0.943 ms

Below is generated by plot.py at 2018-06-30 15:49:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 361.02 Mbit/s

95th percentile per-packet one-way delay: 62.583 ms

Loss rate: 0.00%

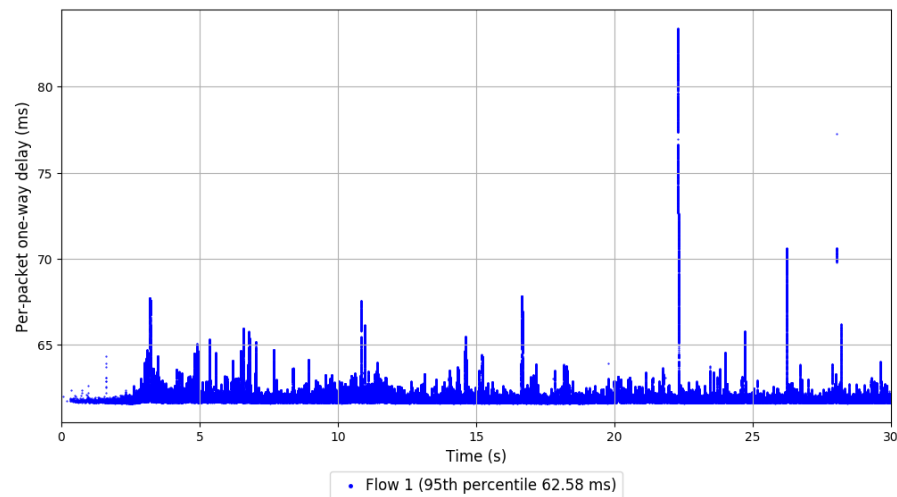
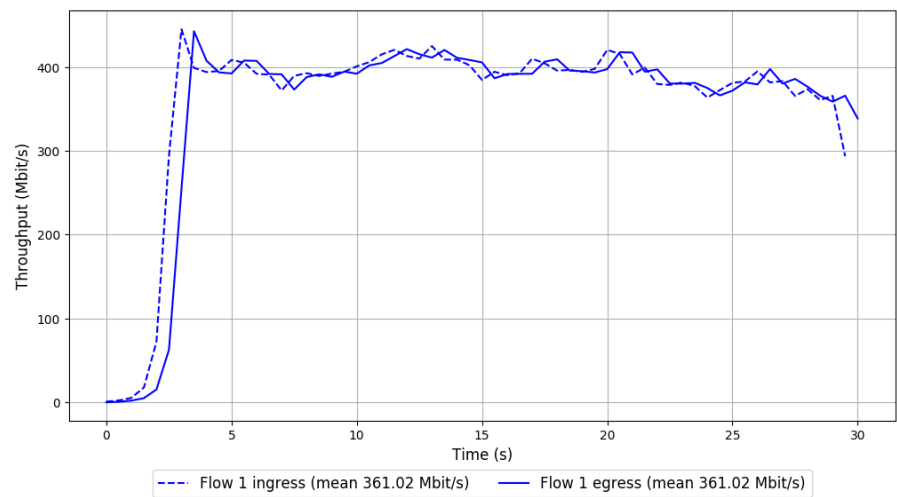
-- Flow 1:

Average throughput: 361.02 Mbit/s

95th percentile per-packet one-way delay: 62.583 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-06-30 14:17:42

End at: 2018-06-30 14:18:12

Local clock offset: -0.24 ms

Remote clock offset: 1.463 ms

Below is generated by plot.py at 2018-06-30 15:49:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 277.68 Mbit/s

95th percentile per-packet one-way delay: 63.273 ms

Loss rate: 0.00%

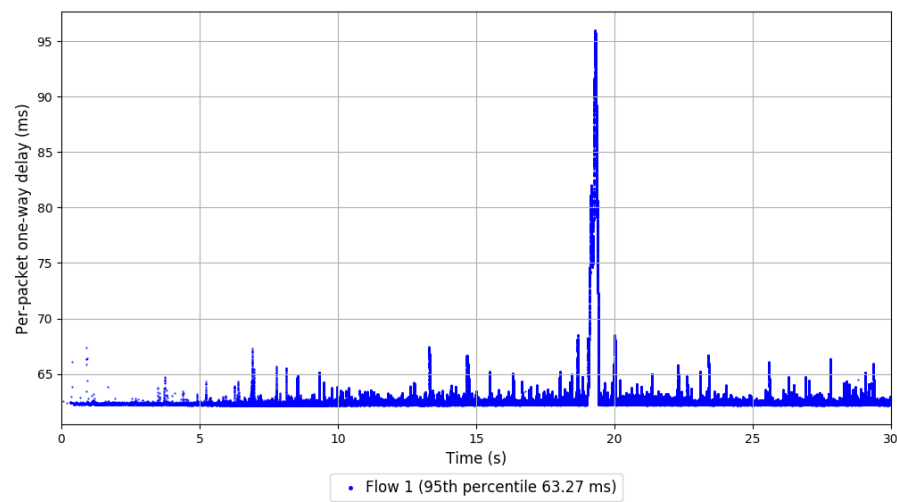
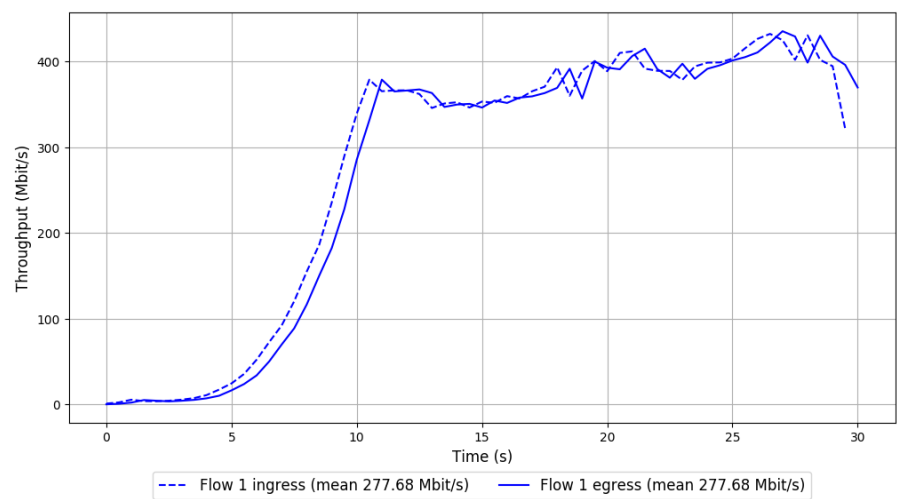
-- Flow 1:

Average throughput: 277.68 Mbit/s

95th percentile per-packet one-way delay: 63.273 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

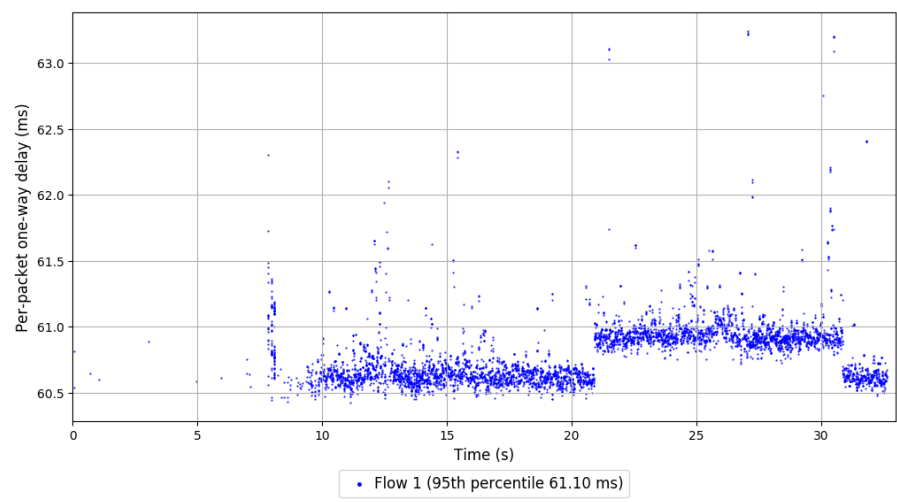
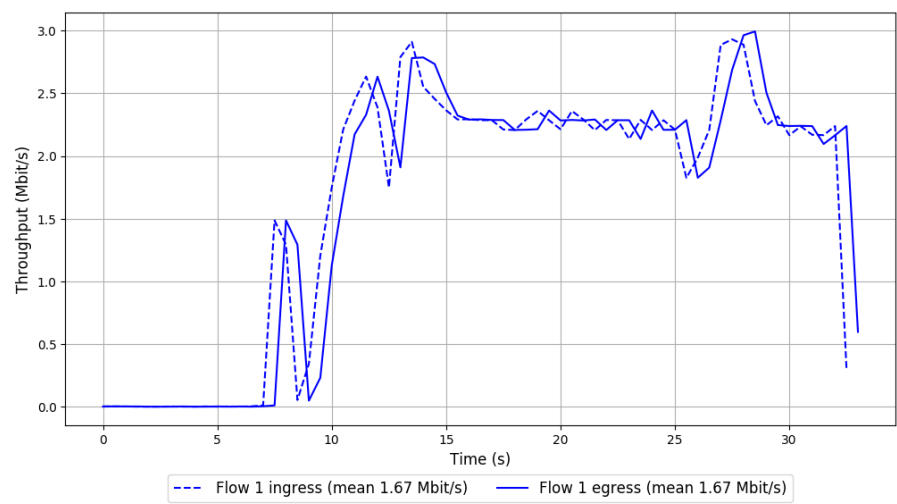


Run 1: Statistics of WebRTC media

Start at: 2018-06-30 10:54:38
End at: 2018-06-30 10:55:08
Local clock offset: 0.051 ms
Remote clock offset: -0.333 ms

Below is generated by plot.py at 2018-06-30 15:49:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.67 Mbit/s
95th percentile per-packet one-way delay: 61.096 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.67 Mbit/s
95th percentile per-packet one-way delay: 61.096 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

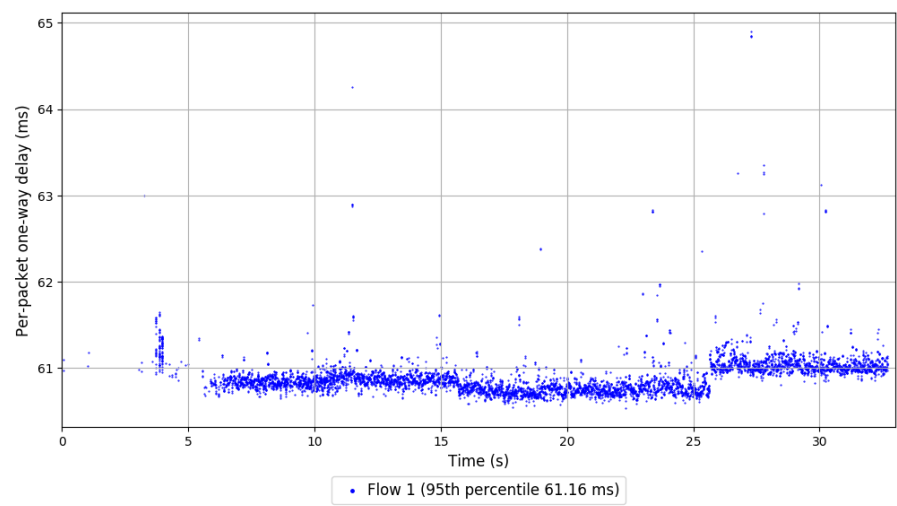
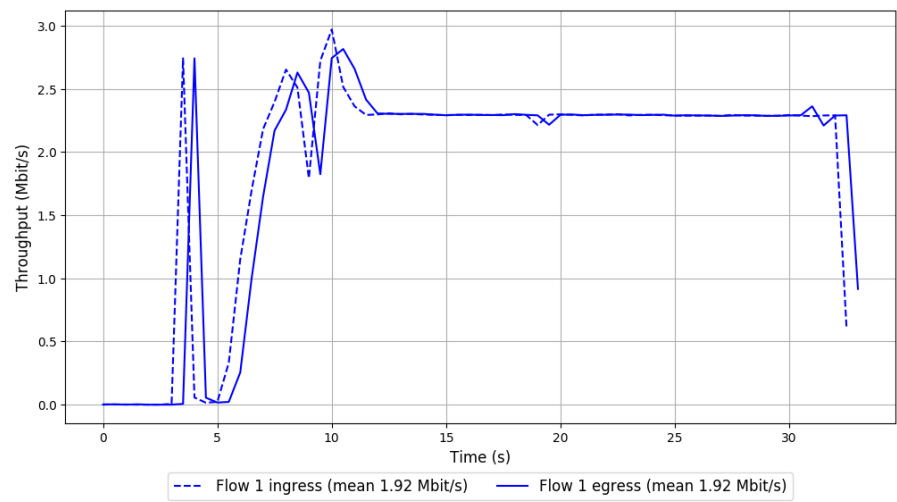


Run 2: Statistics of WebRTC media

Start at: 2018-06-30 11:16:03
End at: 2018-06-30 11:16:33
Local clock offset: 0.056 ms
Remote clock offset: -0.258 ms

Below is generated by plot.py at 2018-06-30 15:49:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 61.161 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 61.161 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

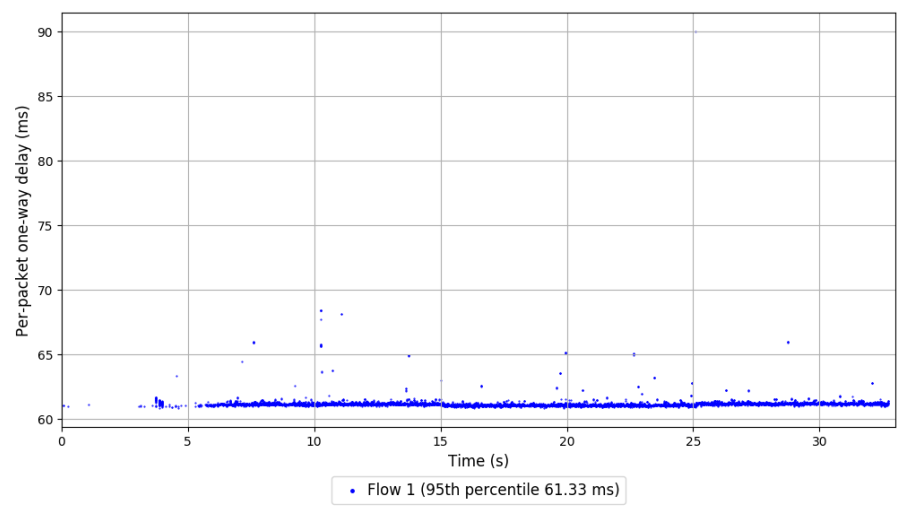
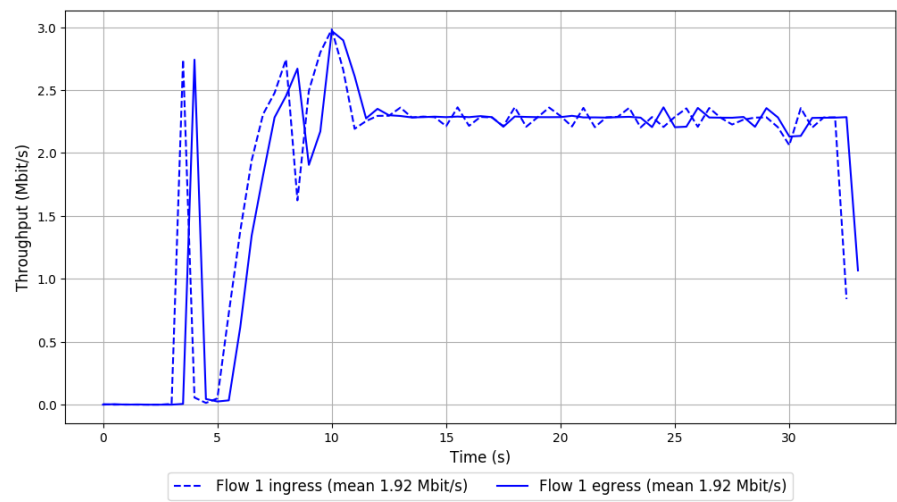


Run 3: Statistics of WebRTC media

Start at: 2018-06-30 11:37:34
End at: 2018-06-30 11:38:04
Local clock offset: -0.019 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-06-30 15:49:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 61.330 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 61.330 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-06-30 11:58:50

End at: 2018-06-30 11:59:20

Local clock offset: -0.116 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-06-30 15:49:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 61.472 ms

Loss rate: 0.00%

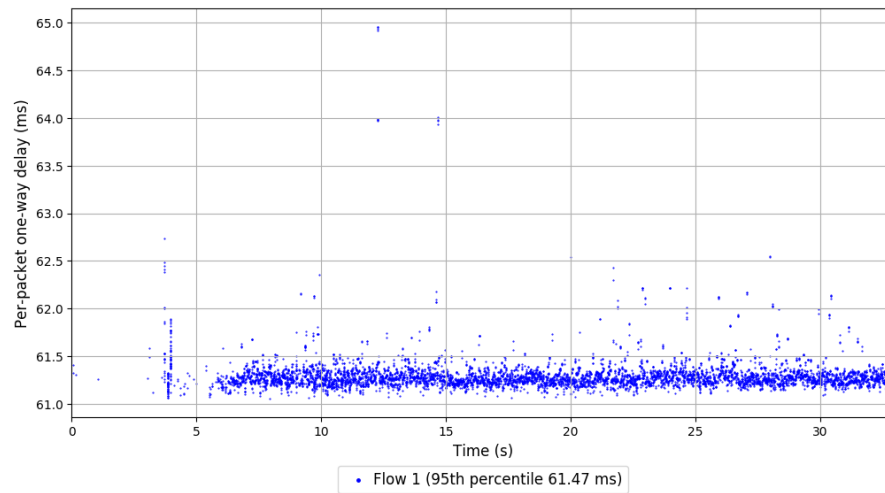
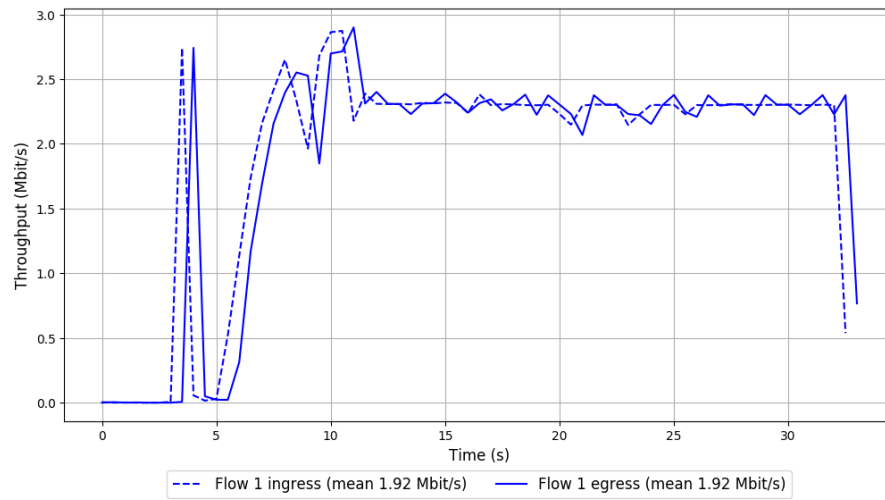
-- Flow 1:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 61.472 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

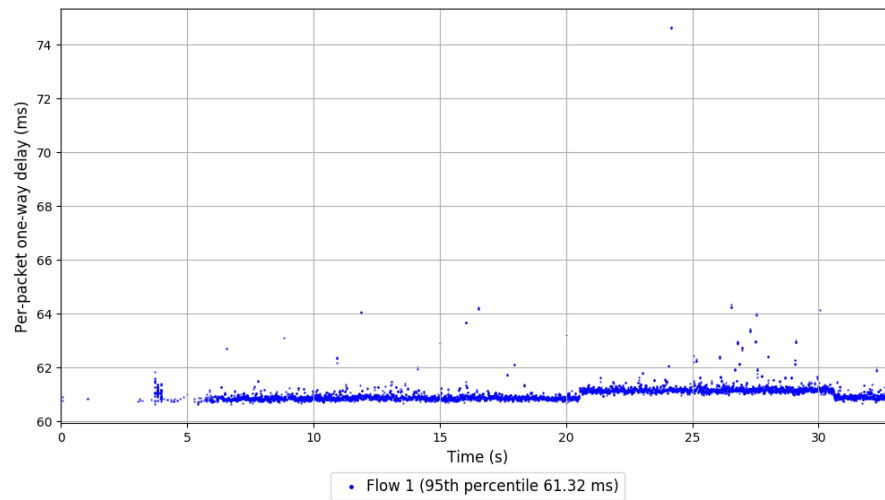
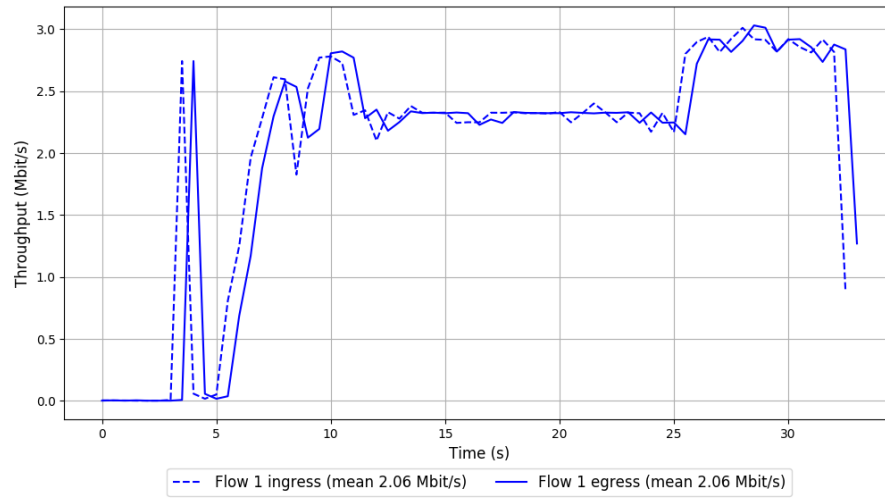


Run 5: Statistics of WebRTC media

Start at: 2018-06-30 12:20:08
End at: 2018-06-30 12:20:38
Local clock offset: 0.032 ms
Remote clock offset: -0.136 ms

Below is generated by plot.py at 2018-06-30 15:49:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 61.317 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 61.317 ms
Loss rate: 0.01%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-06-30 12:41:17

End at: 2018-06-30 12:41:47

Local clock offset: -0.028 ms

Remote clock offset: -0.17 ms

Below is generated by plot.py at 2018-06-30 15:49:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 61.415 ms

Loss rate: 0.00%

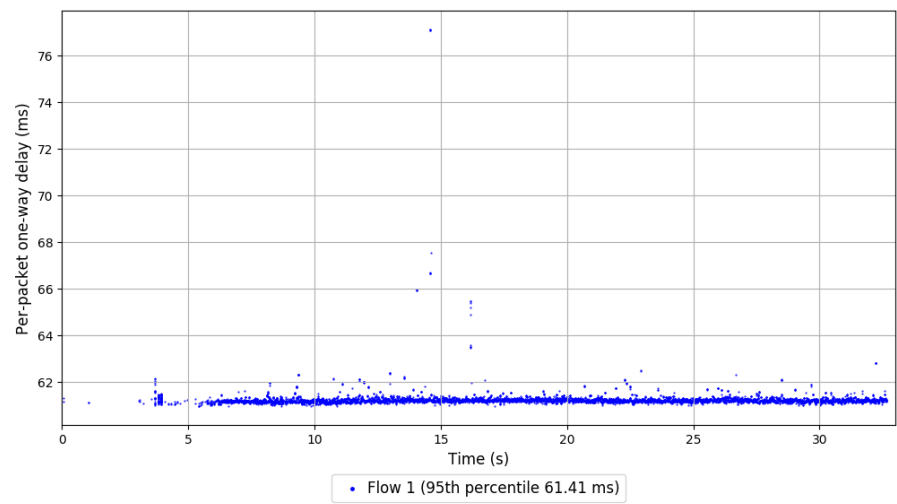
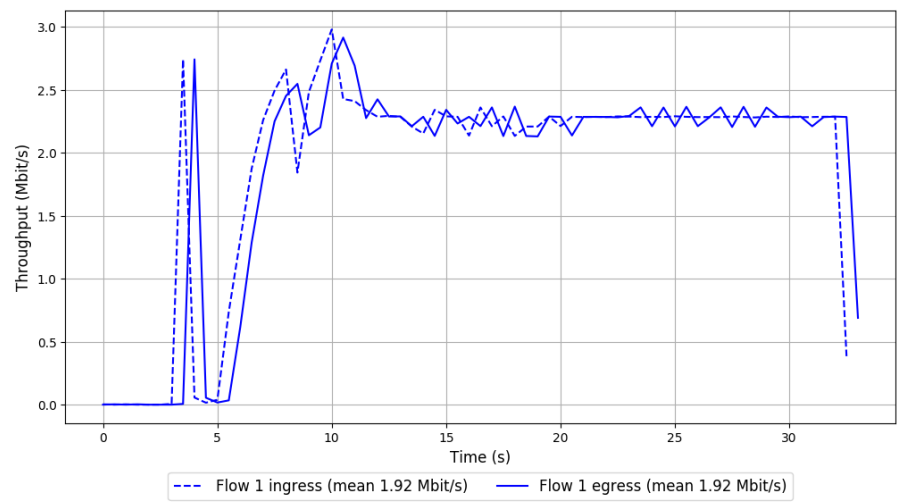
-- Flow 1:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 61.415 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

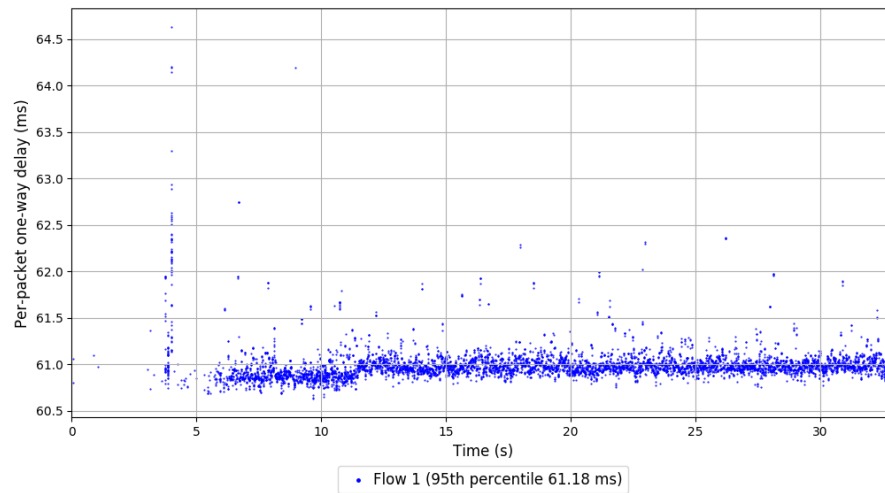
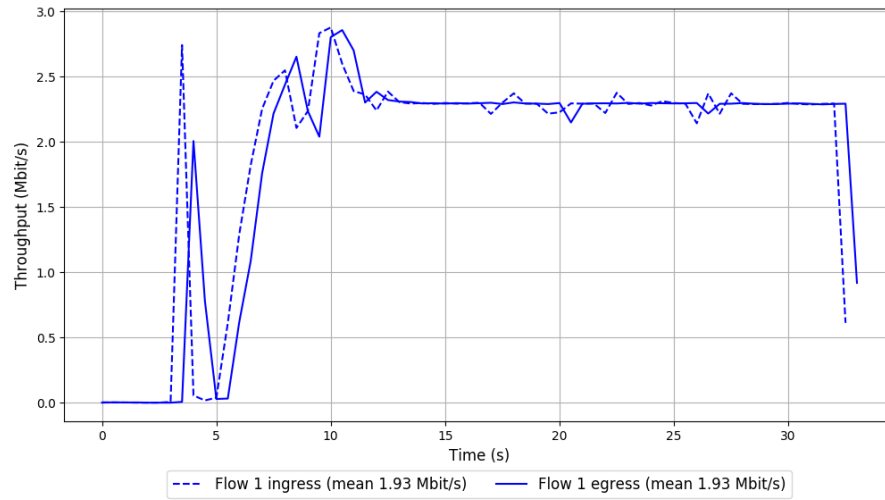


Run 7: Statistics of WebRTC media

Start at: 2018-06-30 13:02:27
End at: 2018-06-30 13:02:58
Local clock offset: -0.0 ms
Remote clock offset: -0.289 ms

Below is generated by plot.py at 2018-06-30 15:49:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 61.183 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 61.183 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

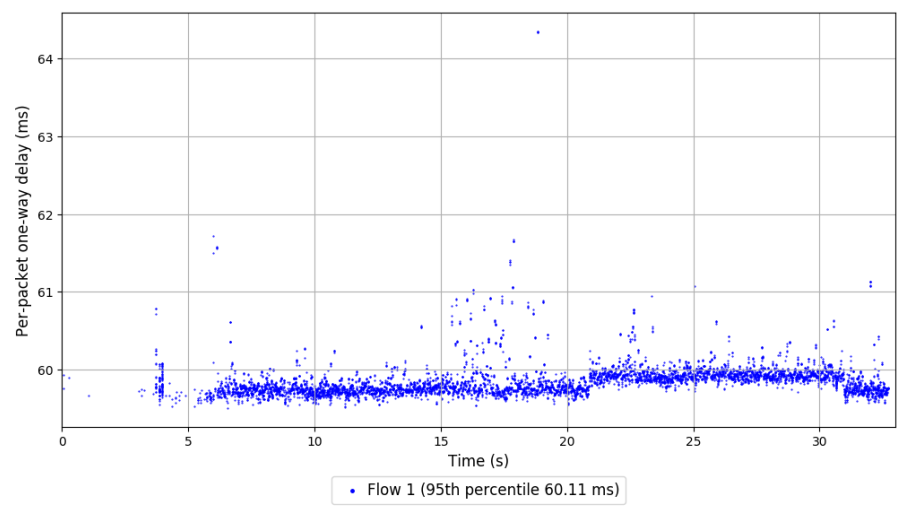
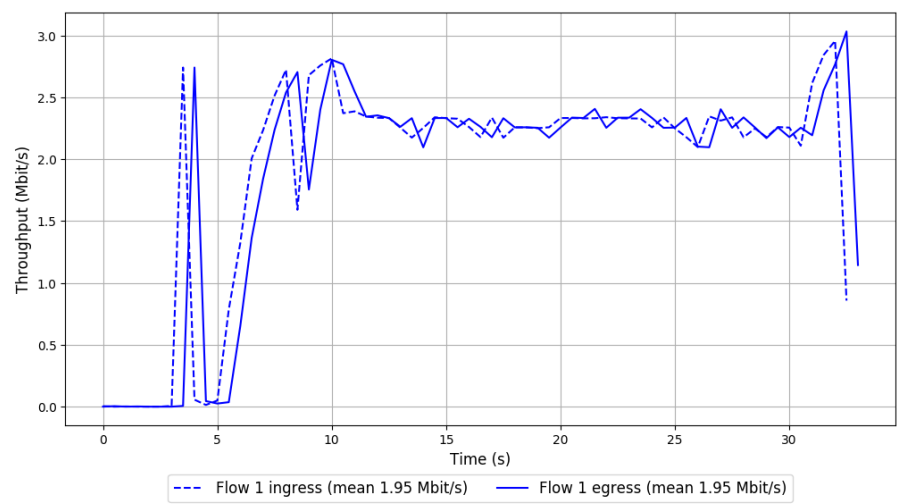


Run 8: Statistics of WebRTC media

Start at: 2018-06-30 13:23:38
End at: 2018-06-30 13:24:08
Local clock offset: -0.011 ms
Remote clock offset: -1.475 ms

Below is generated by plot.py at 2018-06-30 15:49:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 60.114 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 60.114 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-06-30 13:44:58

End at: 2018-06-30 13:45:28

Local clock offset: -0.017 ms

Remote clock offset: 0.069 ms

Below is generated by plot.py at 2018-06-30 15:49:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.12 Mbit/s

95th percentile per-packet one-way delay: 62.240 ms

Loss rate: 0.00%

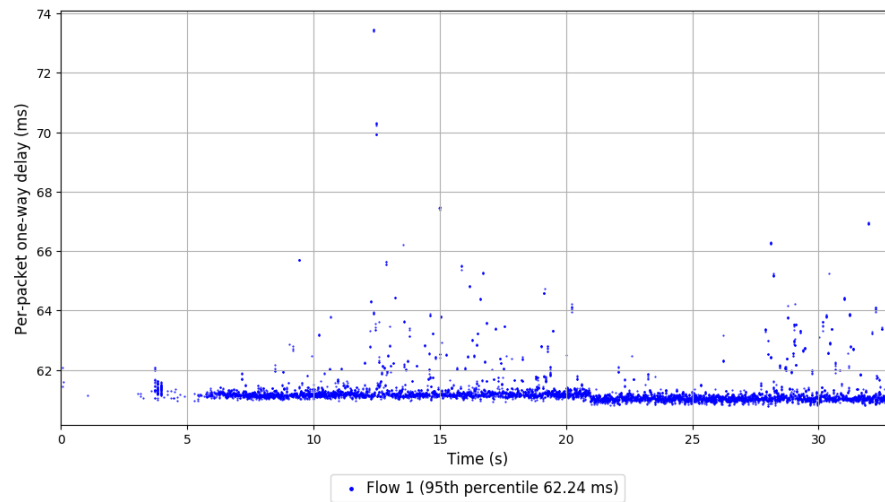
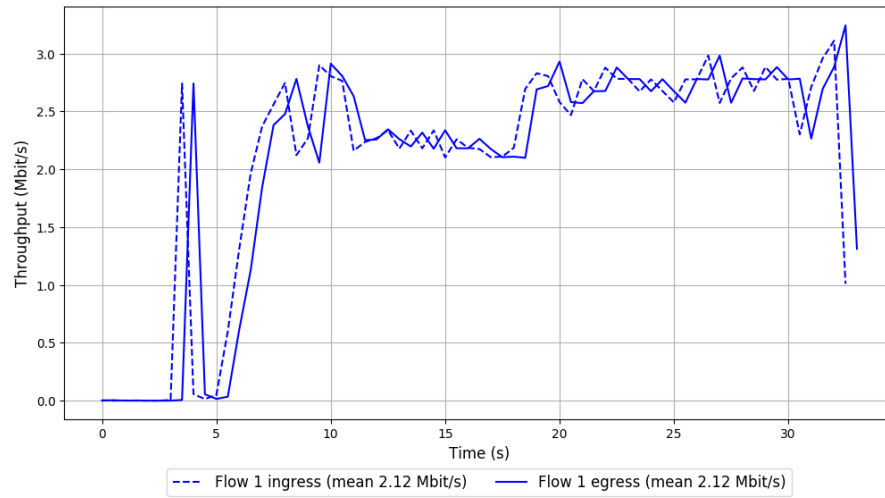
-- Flow 1:

Average throughput: 2.12 Mbit/s

95th percentile per-packet one-way delay: 62.240 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-30 14:06:11

End at: 2018-06-30 14:06:41

Local clock offset: -0.153 ms

Remote clock offset: 1.223 ms

Below is generated by plot.py at 2018-06-30 15:49:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.16 Mbit/s

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

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

