

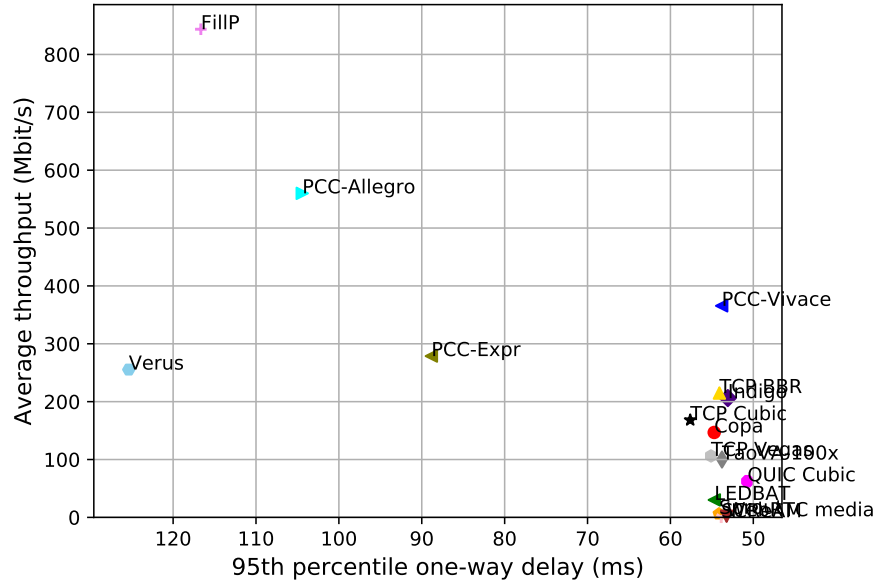
Pantheon Report

Generated at 2018-06-20 09:58:17 (UTC).
Data path: GCE Sydney Ethernet (*local*) → GCE Tokyo Ethernet (*remote*).
Repeated the test of 16 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
NTP offsets were measured against `time.google.com` and have been applied
to correct the timestamps in logs.

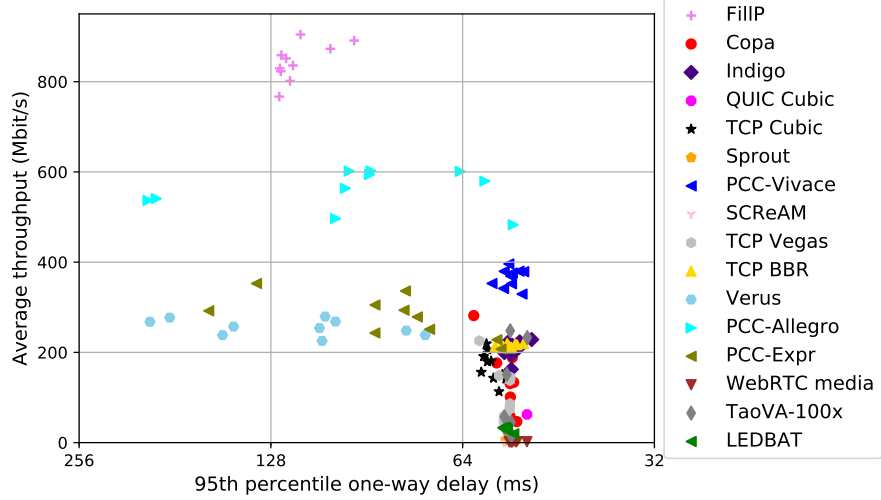
Git summary:

```
branch: master @ 9141c5f9450c85ea5ea2ea755a8e946998d3abf3
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



test from GCE Sydney 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	214.89	54.09	0.00
Copa	10	146.76	54.72	0.00
TCP Cubic	10	168.12	57.61	0.00
FillP	10	843.57	116.66	1.30
Indigo	10	206.17	53.07	0.00
LEDBAT	10	30.15	54.71	0.00
PCC-Allegro	10	559.96	104.42	0.75
PCC-Expr	10	278.75	88.84	0.21
QUIC Cubic	1	62.43	50.71	0.00
SCReAM	10	0.21	53.87	0.01
Sprout	10	6.16	54.14	0.00
TaoVA-100x	8	99.97	53.78	0.00
TCP Vegas	10	106.18	55.11	0.00
Verus	10	255.43	125.35	0.37
PCC-Vivace	10	365.58	53.82	0.01
WebRTC media	10	2.01	53.22	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-06-20 05:05:16

End at: 2018-06-20 05:05:46

Local clock offset: 0.083 ms

Remote clock offset: -0.176 ms

Below is generated by plot.py at 2018-06-20 08:35:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.51 Mbit/s

95th percentile per-packet one-way delay: 55.762 ms

Loss rate: 0.00%

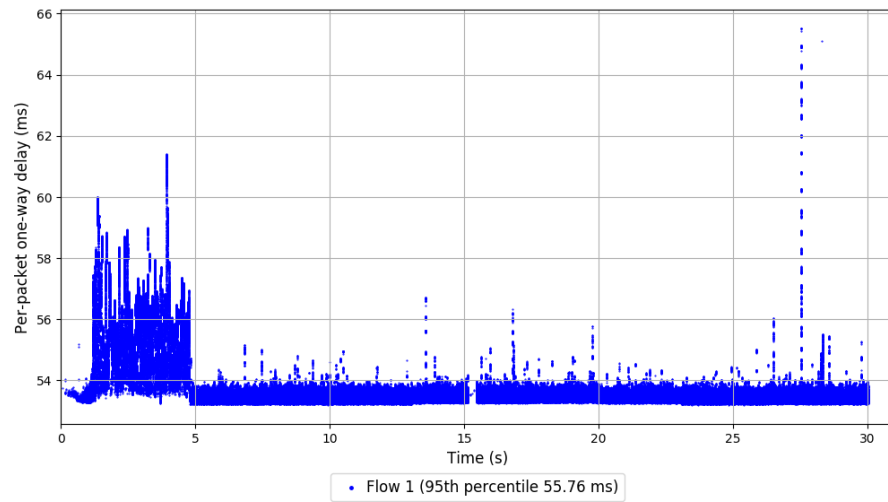
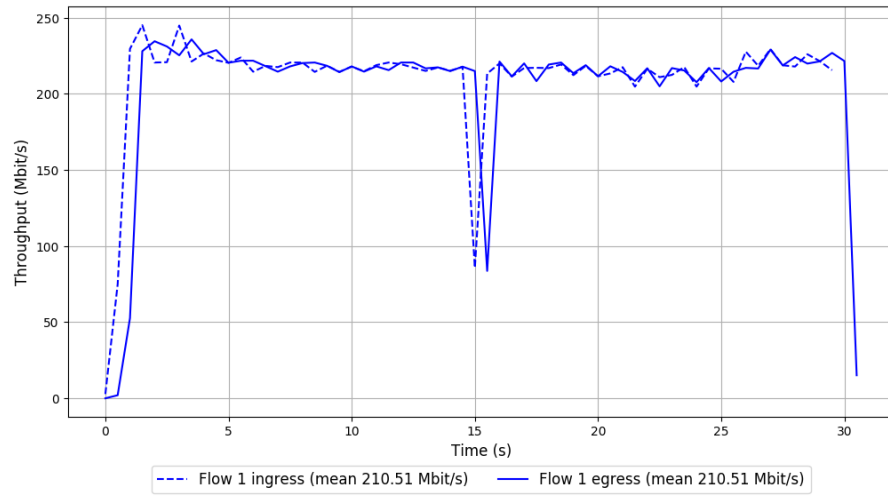
-- Flow 1:

Average throughput: 210.51 Mbit/s

95th percentile per-packet one-way delay: 55.762 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-06-20 05:25:30

End at: 2018-06-20 05:26:00

Local clock offset: 0.095 ms

Remote clock offset: -0.16 ms

Below is generated by plot.py at 2018-06-20 08:35:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.14 Mbit/s

95th percentile per-packet one-way delay: 51.335 ms

Loss rate: 0.01%

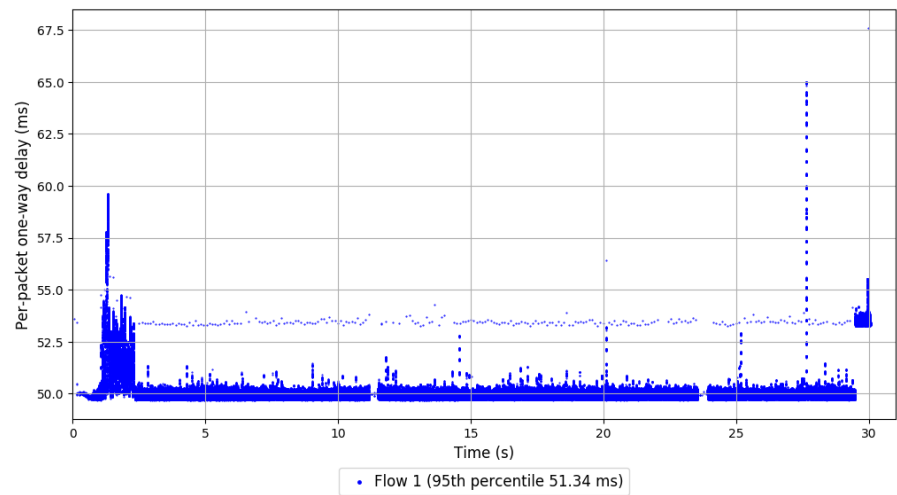
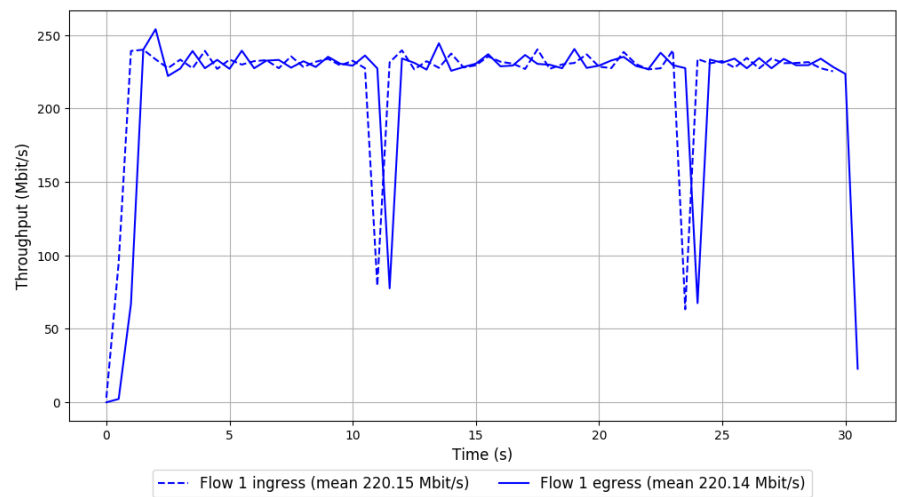
-- Flow 1:

Average throughput: 220.14 Mbit/s

95th percentile per-packet one-way delay: 51.335 ms

Loss rate: 0.01%

Run 2: Report of TCP BBR — Data Link

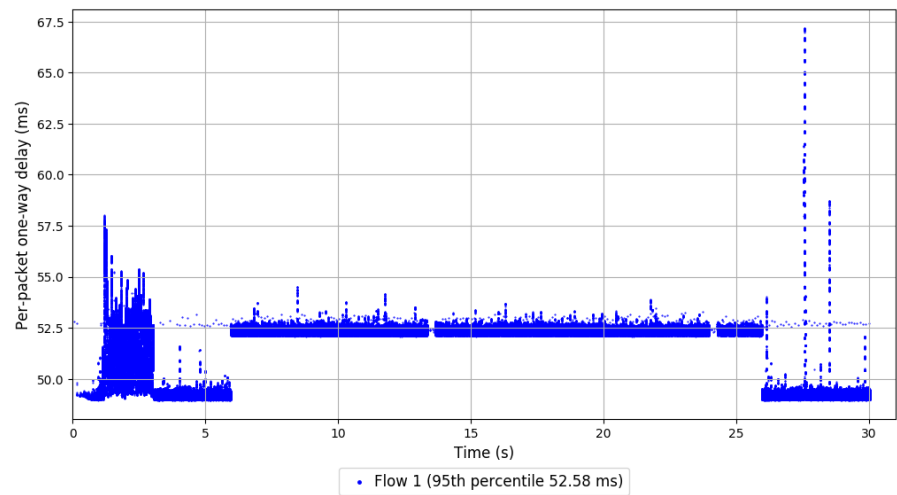
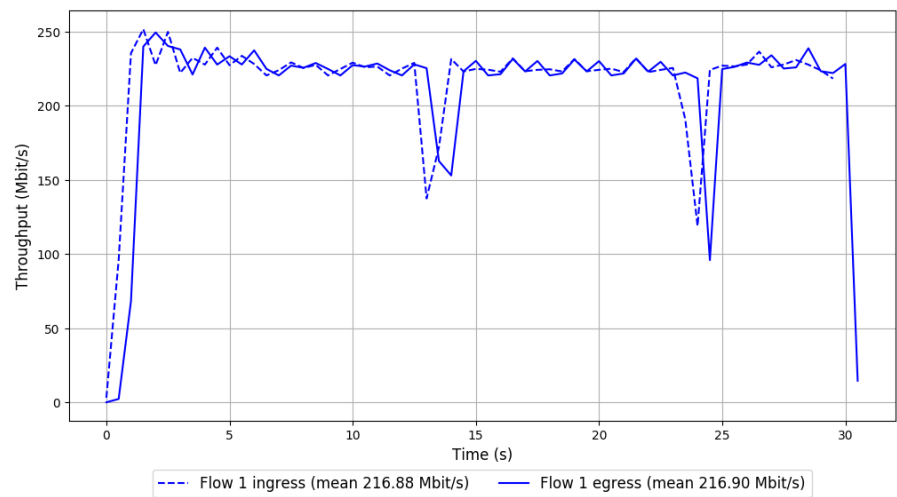


Run 3: Statistics of TCP BBR

Start at: 2018-06-20 05:45:43
End at: 2018-06-20 05:46:13
Local clock offset: -0.129 ms
Remote clock offset: -1.148 ms

Below is generated by plot.py at 2018-06-20 08:35:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.90 Mbit/s
95th percentile per-packet one-way delay: 52.583 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 216.90 Mbit/s
95th percentile per-packet one-way delay: 52.583 ms
Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-06-20 06:05:58

End at: 2018-06-20 06:06:28

Local clock offset: -0.087 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-06-20 08:35:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.66 Mbit/s

95th percentile per-packet one-way delay: 54.490 ms

Loss rate: 0.00%

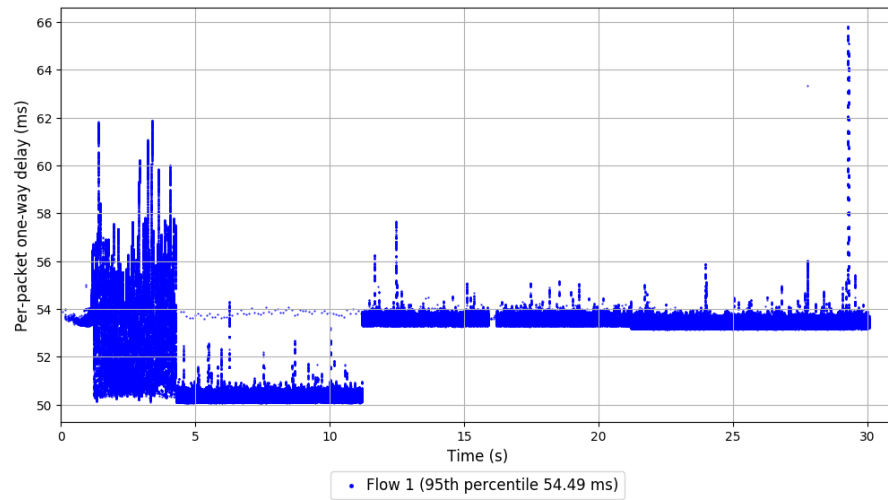
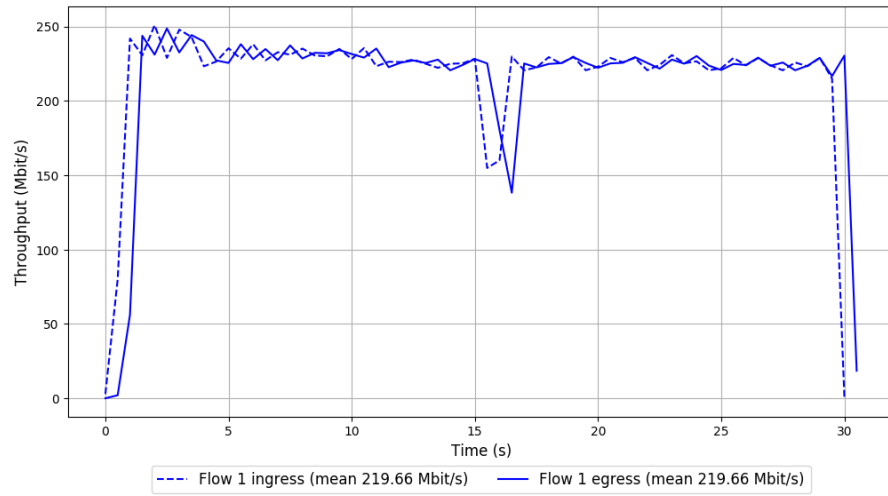
-- Flow 1:

Average throughput: 219.66 Mbit/s

95th percentile per-packet one-way delay: 54.490 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-06-20 06:26:40

End at: 2018-06-20 06:27:10

Local clock offset: 0.207 ms

Remote clock offset: -0.202 ms

Below is generated by plot.py at 2018-06-20 08:35:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.43 Mbit/s

95th percentile per-packet one-way delay: 54.162 ms

Loss rate: 0.00%

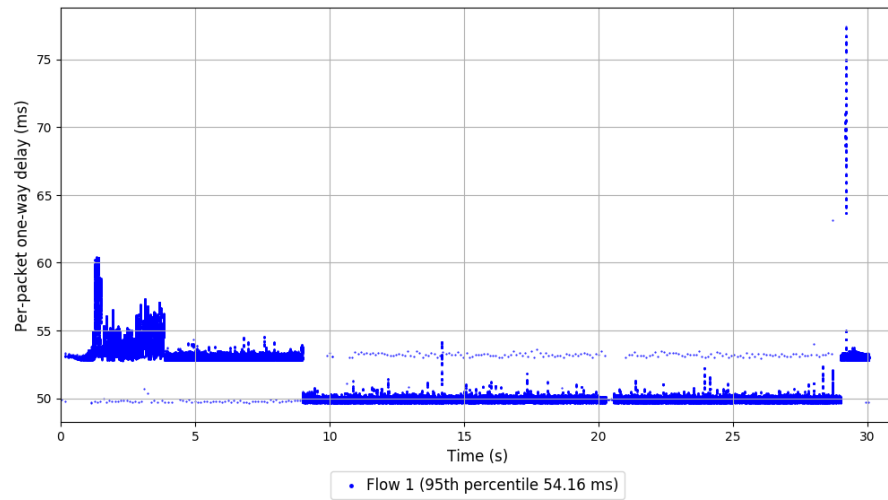
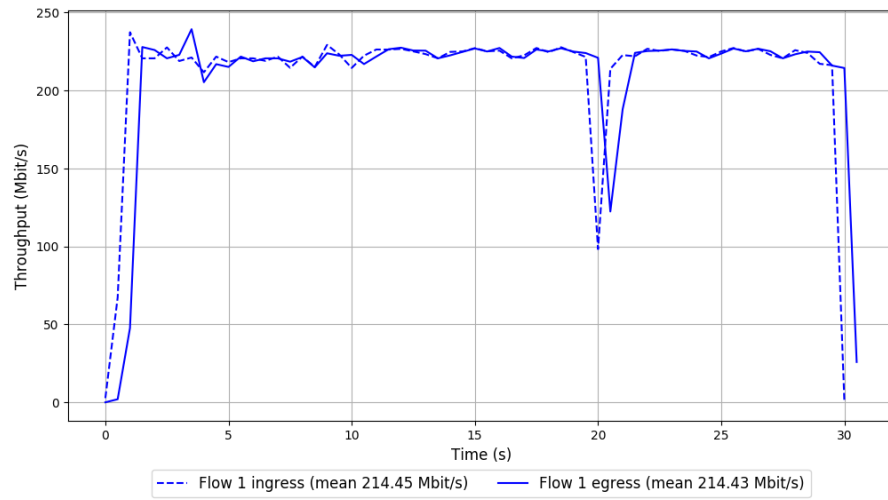
-- Flow 1:

Average throughput: 214.43 Mbit/s

95th percentile per-packet one-way delay: 54.162 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link

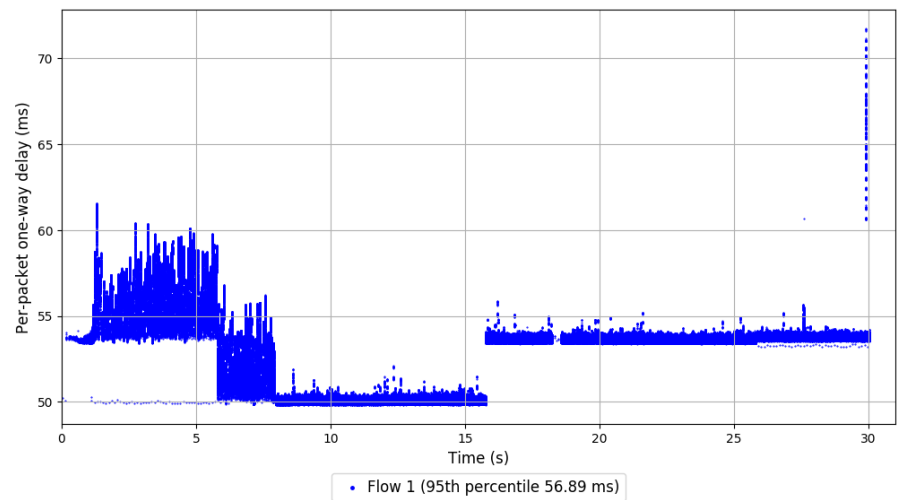
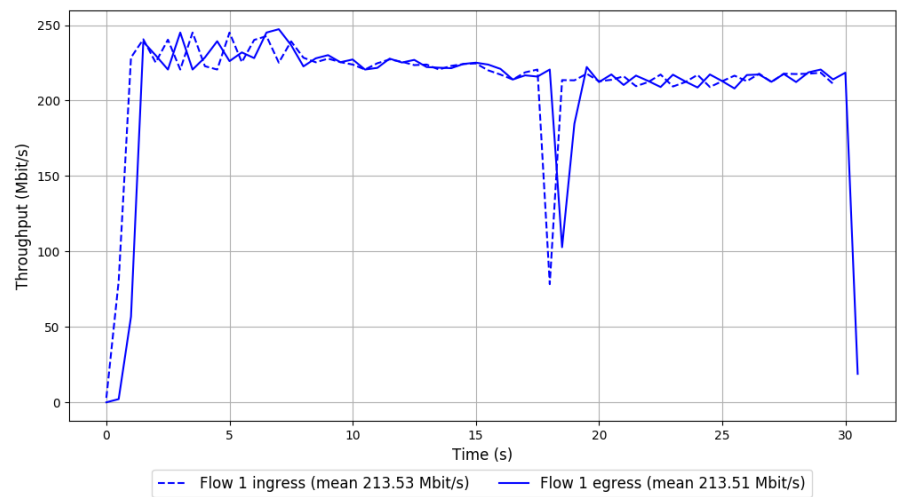


Run 6: Statistics of TCP BBR

Start at: 2018-06-20 06:47:13
End at: 2018-06-20 06:47:43
Local clock offset: 0.005 ms
Remote clock offset: -0.136 ms

Below is generated by plot.py at 2018-06-20 08:35:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 213.51 Mbit/s
95th percentile per-packet one-way delay: 56.894 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 213.51 Mbit/s
95th percentile per-packet one-way delay: 56.894 ms
Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-06-20 07:07:58

End at: 2018-06-20 07:08:28

Local clock offset: 0.212 ms

Remote clock offset: -0.204 ms

Below is generated by plot.py at 2018-06-20 08:35:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.93 Mbit/s

95th percentile per-packet one-way delay: 52.934 ms

Loss rate: 0.00%

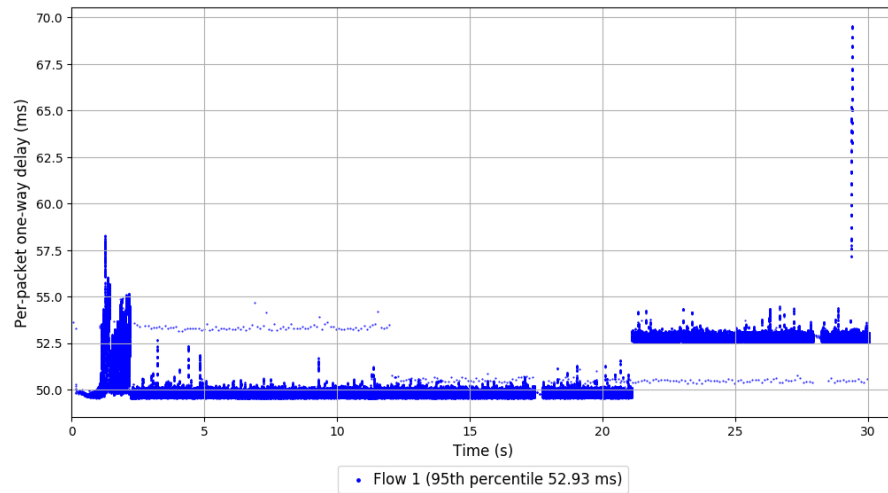
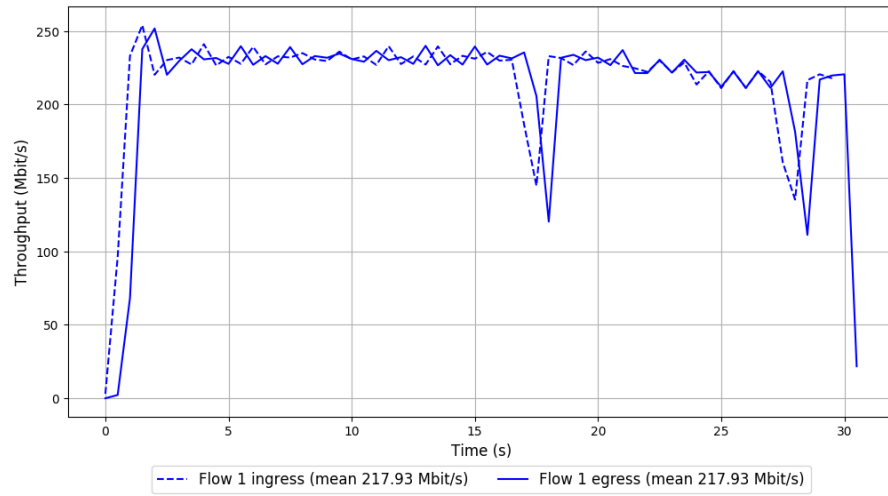
-- Flow 1:

Average throughput: 217.93 Mbit/s

95th percentile per-packet one-way delay: 52.934 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-06-20 07:28:34

End at: 2018-06-20 07:29:04

Local clock offset: 0.147 ms

Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-06-20 08:35:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.17 Mbit/s

95th percentile per-packet one-way delay: 55.333 ms

Loss rate: 0.00%

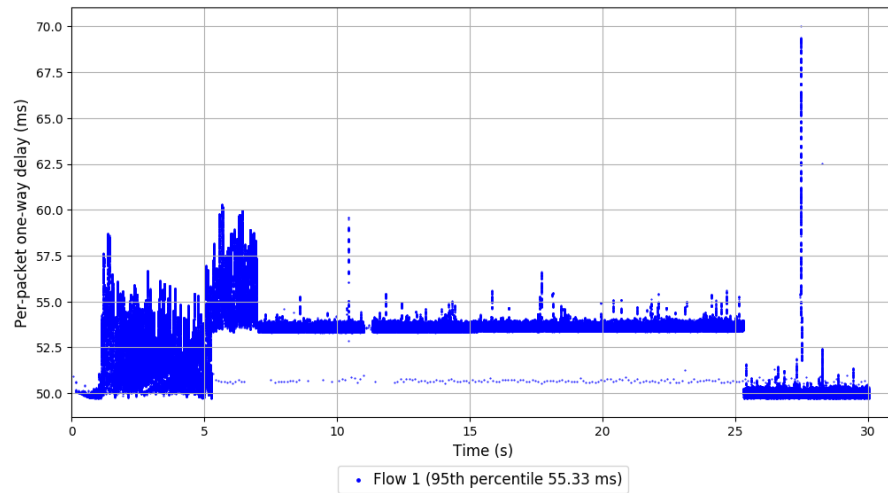
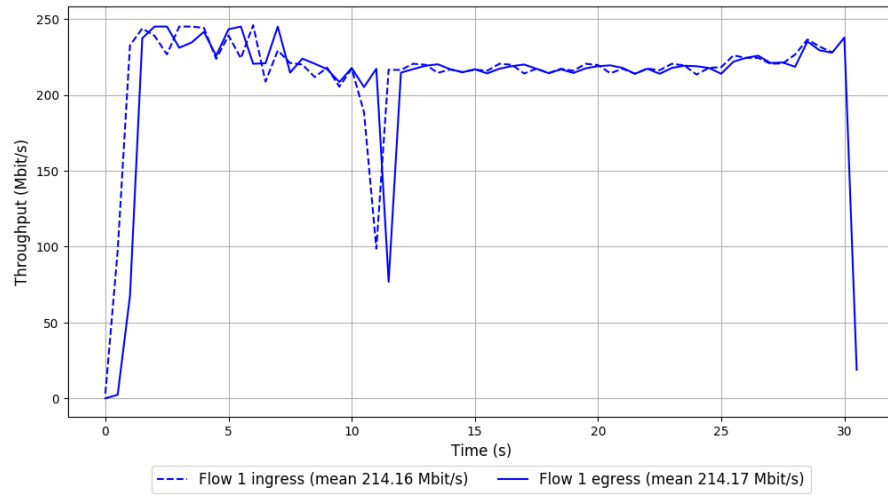
-- Flow 1:

Average throughput: 214.17 Mbit/s

95th percentile per-packet one-way delay: 55.333 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-06-20 07:48:35

End at: 2018-06-20 07:49:05

Local clock offset: -0.02 ms

Remote clock offset: -0.25 ms

Below is generated by plot.py at 2018-06-20 08:38:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.07 Mbit/s

95th percentile per-packet one-way delay: 53.720 ms

Loss rate: 0.01%

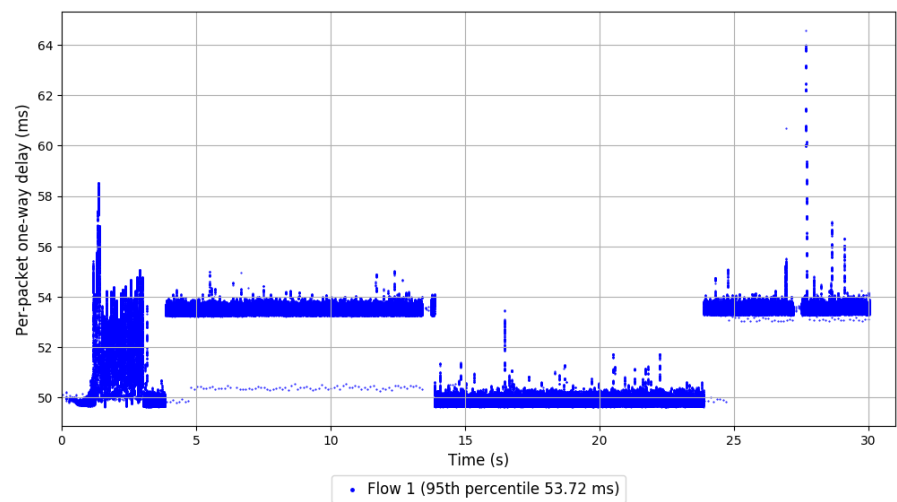
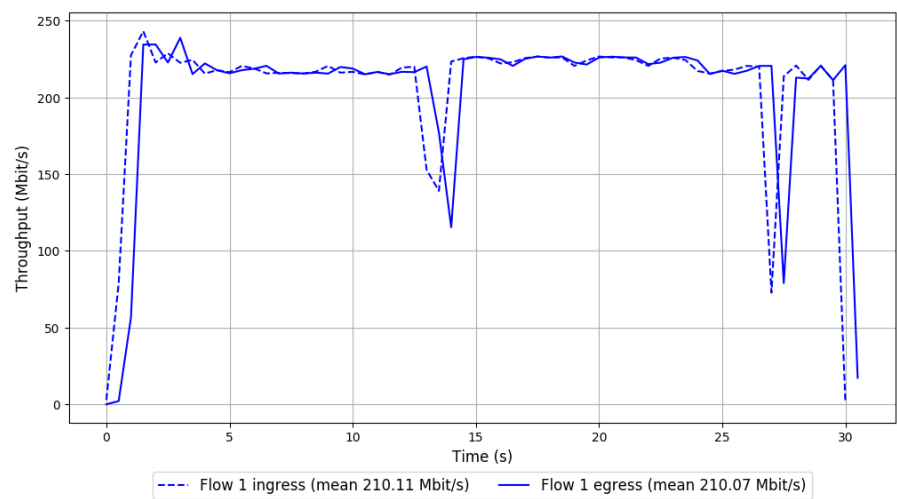
-- Flow 1:

Average throughput: 210.07 Mbit/s

95th percentile per-packet one-way delay: 53.720 ms

Loss rate: 0.01%

Run 9: Report of TCP BBR — Data Link

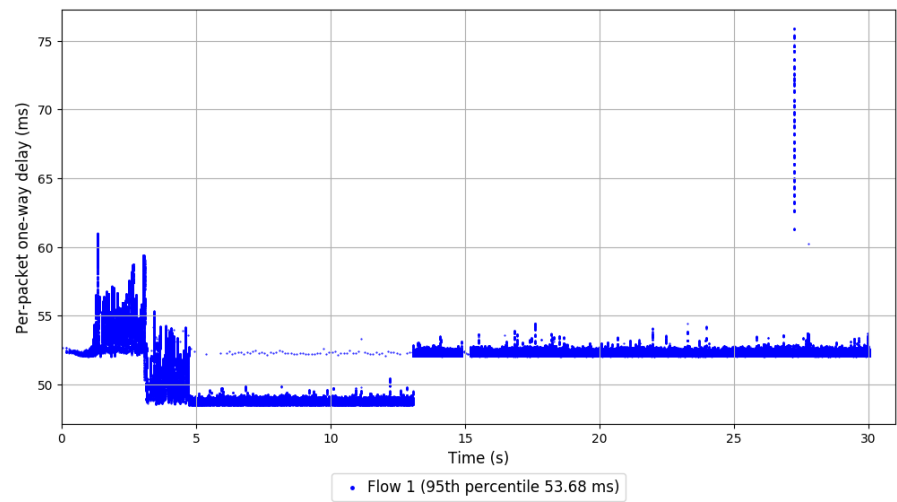
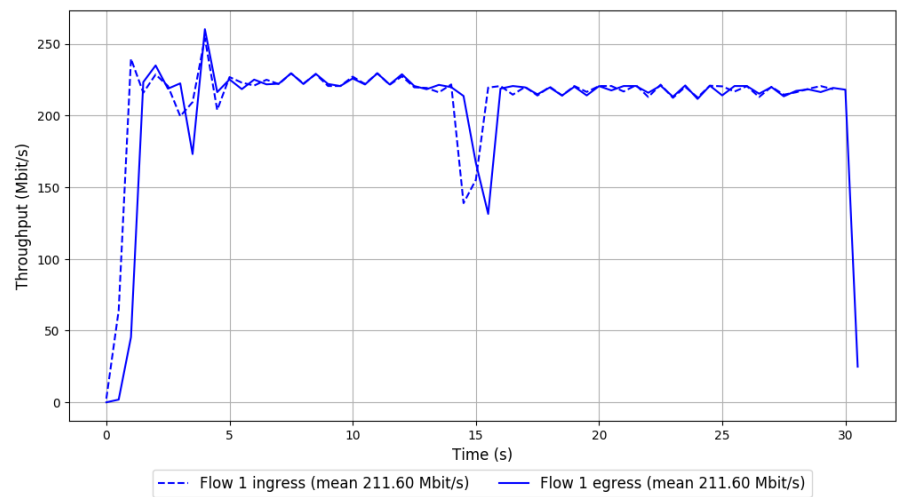


Run 10: Statistics of TCP BBR

Start at: 2018-06-20 08:08:56
End at: 2018-06-20 08:09:26
Local clock offset: -0.086 ms
Remote clock offset: -1.483 ms

Below is generated by plot.py at 2018-06-20 08:38:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 211.60 Mbit/s
95th percentile per-packet one-way delay: 53.676 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 211.60 Mbit/s
95th percentile per-packet one-way delay: 53.676 ms
Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

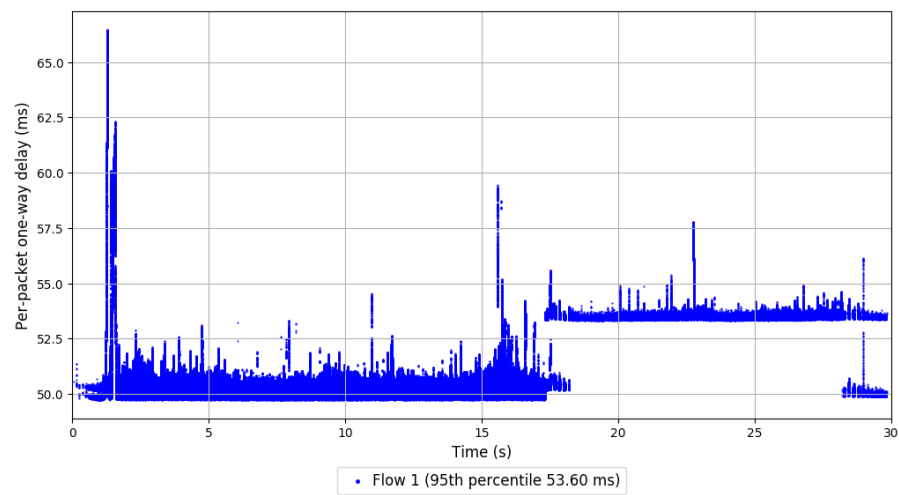
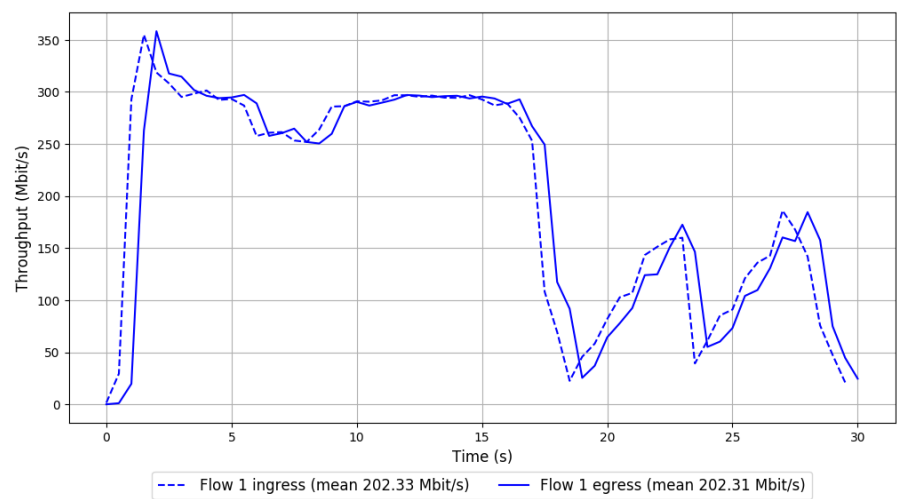


Run 1: Statistics of Copa

Start at: 2018-06-20 05:02:22
End at: 2018-06-20 05:02:52
Local clock offset: -0.122 ms
Remote clock offset: -0.227 ms

Below is generated by plot.py at 2018-06-20 08:41:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 202.31 Mbit/s
95th percentile per-packet one-way delay: 53.600 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 202.31 Mbit/s
95th percentile per-packet one-way delay: 53.600 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

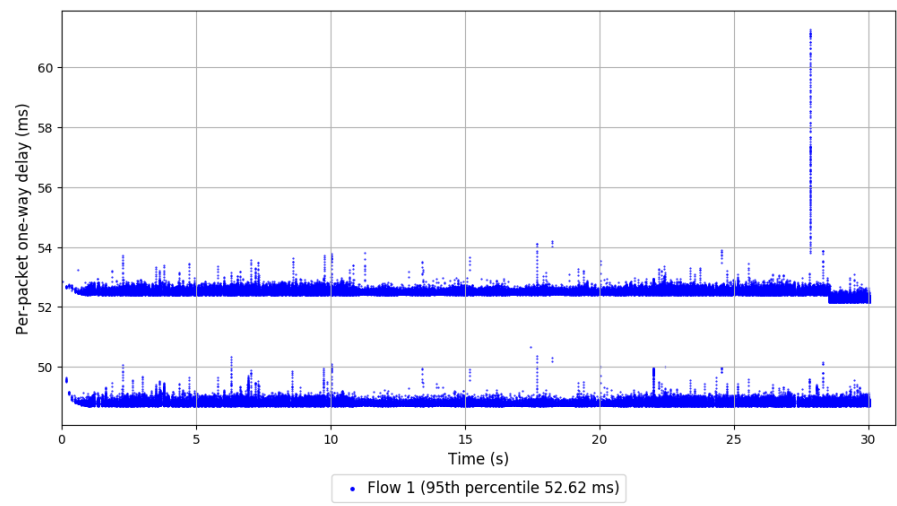
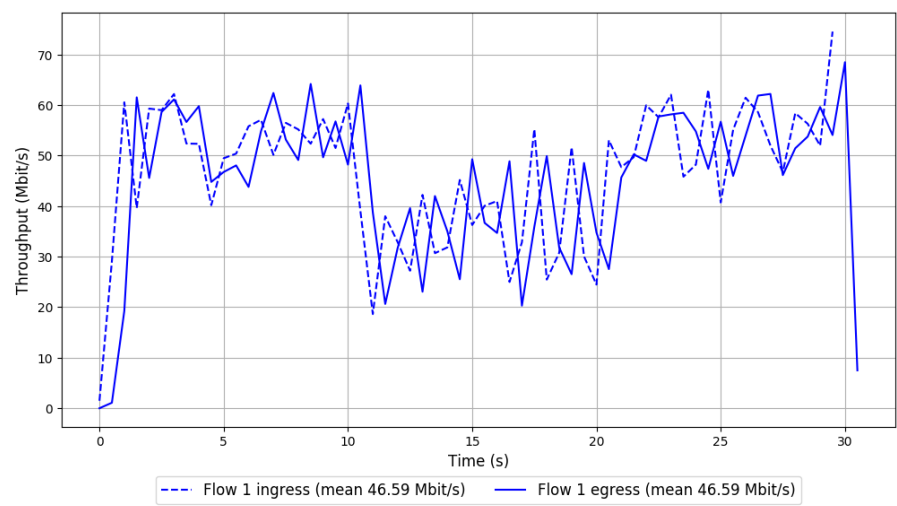


Run 2: Statistics of Copa

Start at: 2018-06-20 05:22:51
End at: 2018-06-20 05:23:21
Local clock offset: -0.001 ms
Remote clock offset: -1.233 ms

Below is generated by plot.py at 2018-06-20 08:41:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 46.59 Mbit/s
95th percentile per-packet one-way delay: 52.618 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.59 Mbit/s
95th percentile per-packet one-way delay: 52.618 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-06-20 05:43:01

End at: 2018-06-20 05:43:31

Local clock offset: -0.06 ms

Remote clock offset: 0.142 ms

Below is generated by plot.py at 2018-06-20 08:41:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.03 Mbit/s

95th percentile per-packet one-way delay: 53.908 ms

Loss rate: 0.00%

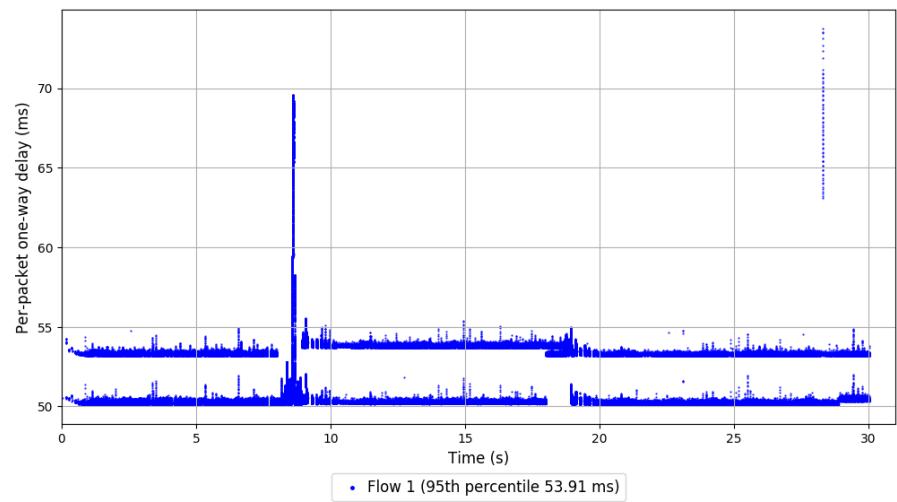
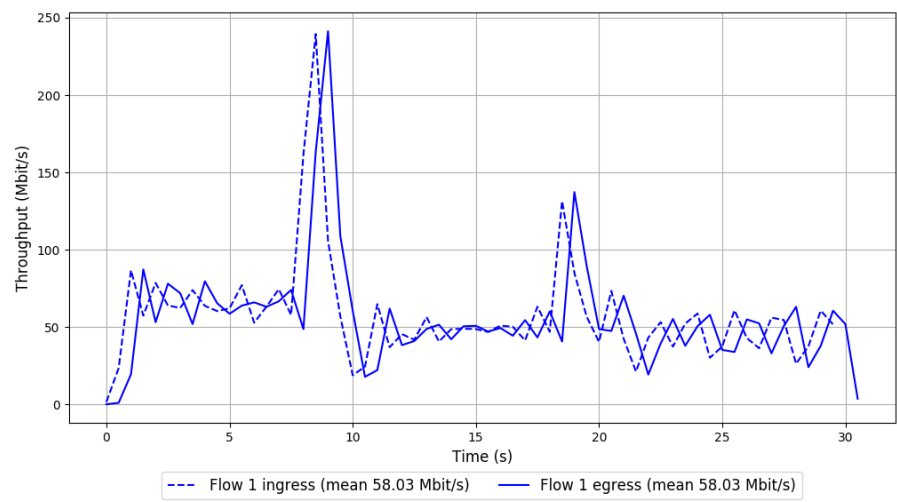
-- Flow 1:

Average throughput: 58.03 Mbit/s

95th percentile per-packet one-way delay: 53.908 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-06-20 06:03:13

End at: 2018-06-20 06:03:43

Local clock offset: 0.019 ms

Remote clock offset: 0.306 ms

Below is generated by plot.py at 2018-06-20 08:41:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 130.78 Mbit/s

95th percentile per-packet one-way delay: 53.906 ms

Loss rate: 0.00%

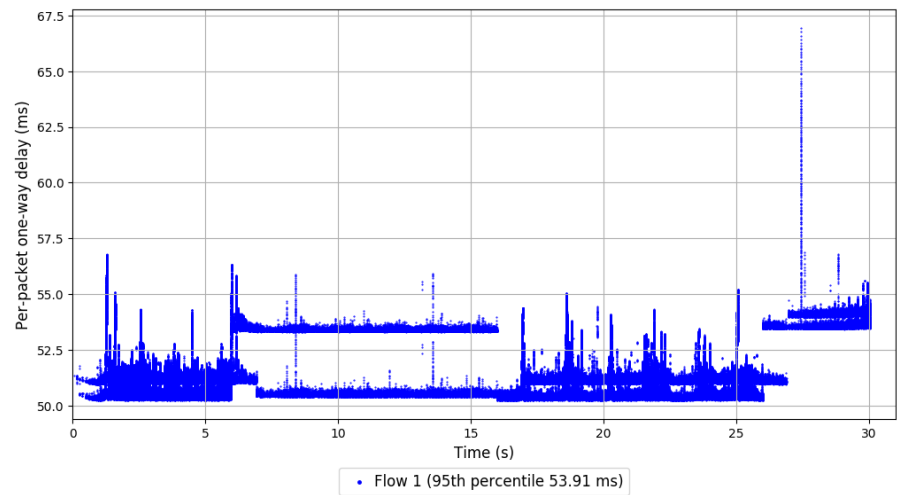
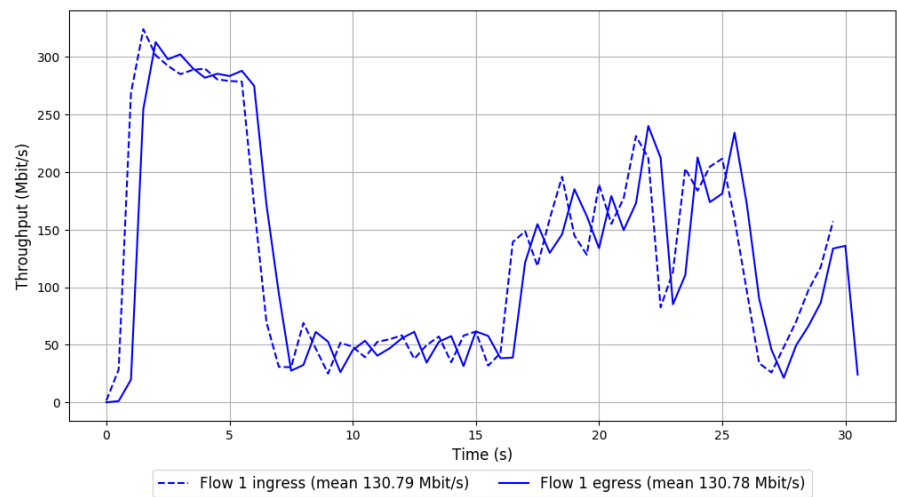
-- Flow 1:

Average throughput: 130.78 Mbit/s

95th percentile per-packet one-way delay: 53.906 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link

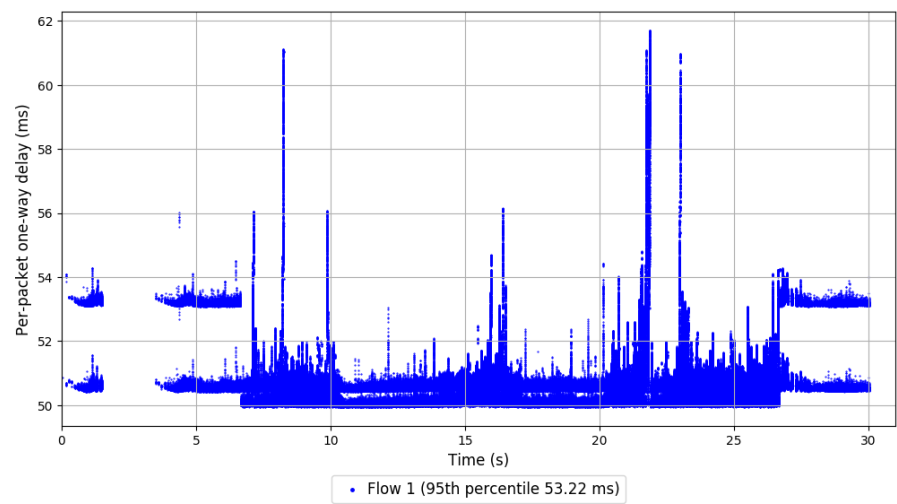
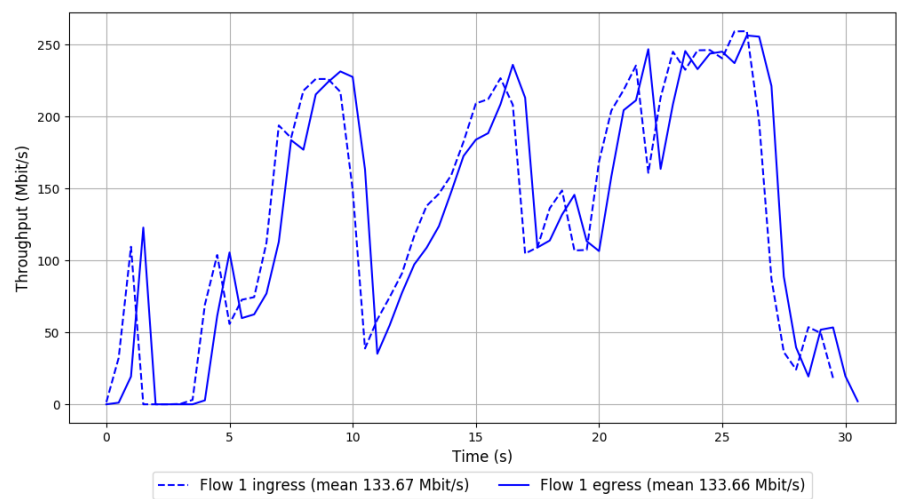


Run 5: Statistics of Copa

Start at: 2018-06-20 06:23:52
End at: 2018-06-20 06:24:22
Local clock offset: -0.015 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2018-06-20 08:41:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 133.66 Mbit/s
95th percentile per-packet one-way delay: 53.218 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 133.66 Mbit/s
95th percentile per-packet one-way delay: 53.218 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

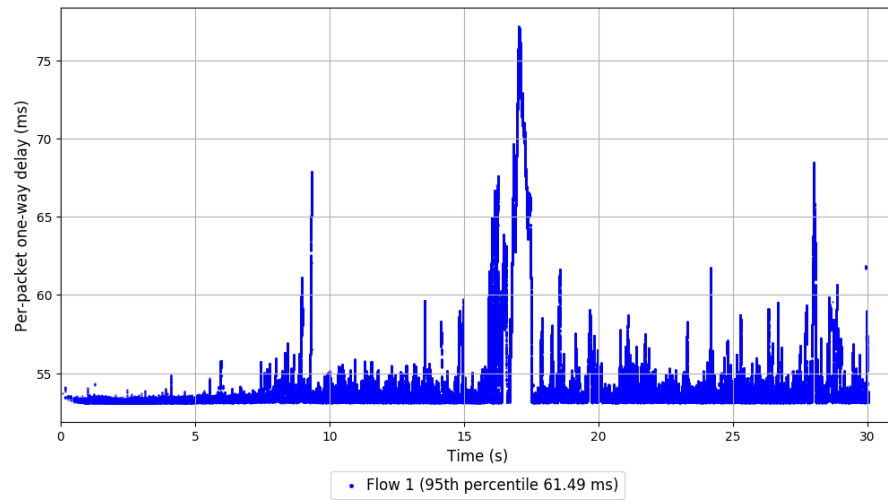
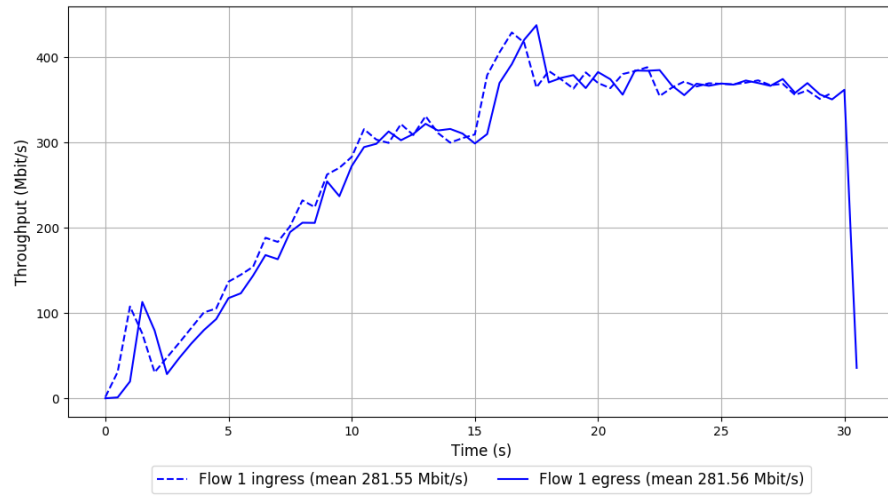


Run 6: Statistics of Copa

Start at: 2018-06-20 06:44:11
End at: 2018-06-20 06:44:41
Local clock offset: 0.064 ms
Remote clock offset: -0.301 ms

Below is generated by plot.py at 2018-06-20 08:44:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 281.56 Mbit/s
95th percentile per-packet one-way delay: 61.488 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 281.56 Mbit/s
95th percentile per-packet one-way delay: 61.488 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

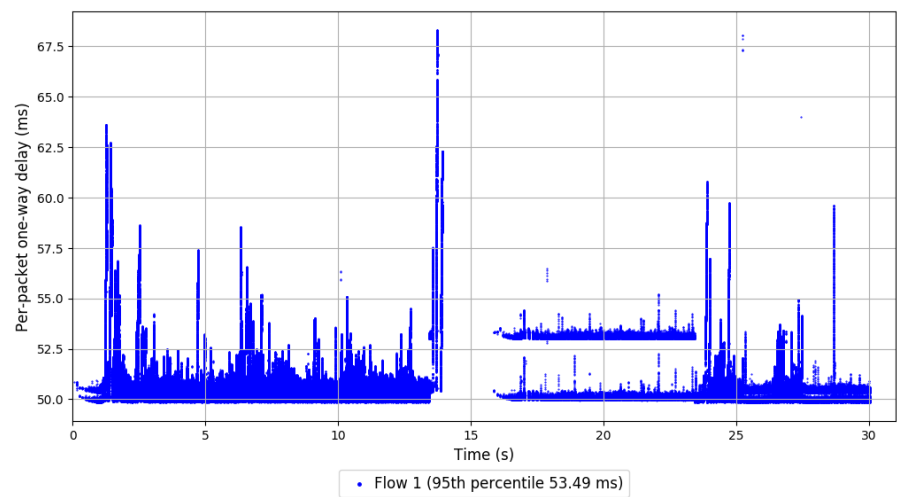
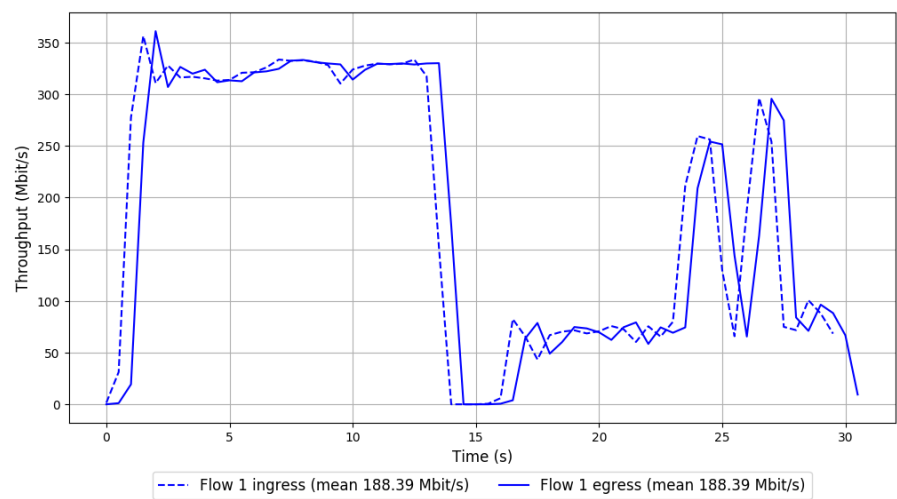


Run 7: Statistics of Copa

Start at: 2018-06-20 07:05:06
End at: 2018-06-20 07:05:36
Local clock offset: -0.021 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-06-20 08:44:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 188.39 Mbit/s
95th percentile per-packet one-way delay: 53.491 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 188.39 Mbit/s
95th percentile per-packet one-way delay: 53.491 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

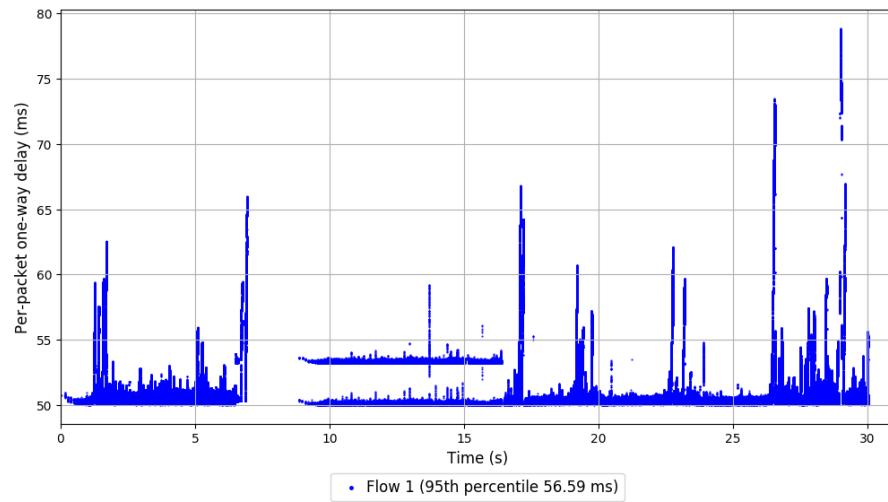
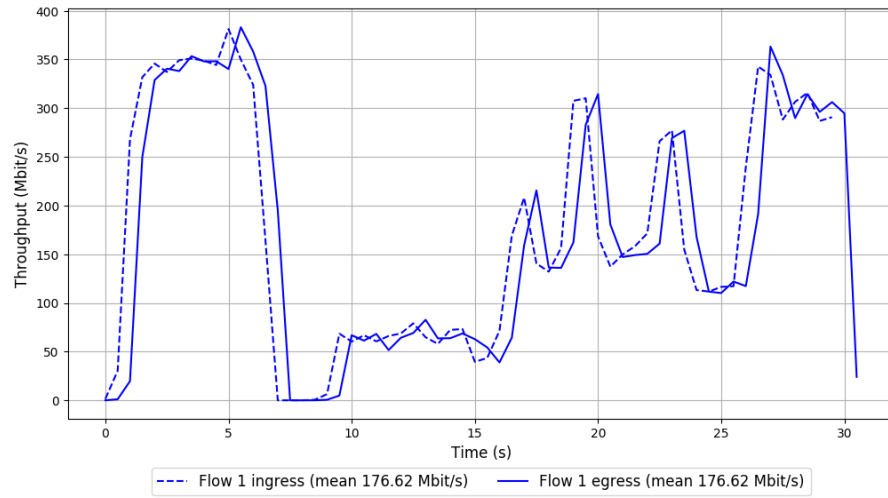


Run 8: Statistics of Copa

Start at: 2018-06-20 07:25:43
End at: 2018-06-20 07:26:13
Local clock offset: -0.172 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-06-20 08:44:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 176.62 Mbit/s
95th percentile per-packet one-way delay: 56.595 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 176.62 Mbit/s
95th percentile per-packet one-way delay: 56.595 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-06-20 07:45:53

End at: 2018-06-20 07:46:23

Local clock offset: -0.1 ms

Remote clock offset: -0.21 ms

Below is generated by plot.py at 2018-06-20 08:44:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.06 Mbit/s

95th percentile per-packet one-way delay: 53.859 ms

Loss rate: 0.00%

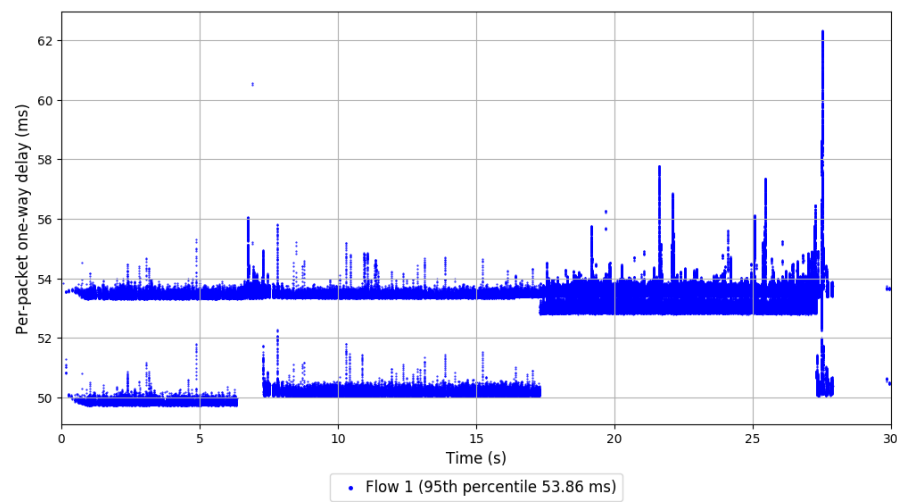
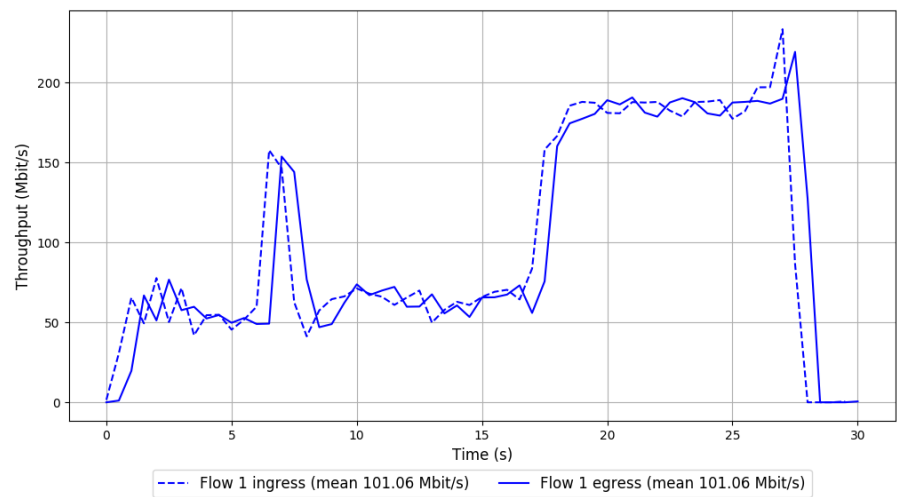
-- Flow 1:

Average throughput: 101.06 Mbit/s

95th percentile per-packet one-way delay: 53.859 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-06-20 08:06:09

End at: 2018-06-20 08:06:39

Local clock offset: -0.118 ms

Remote clock offset: 0.115 ms

Below is generated by plot.py at 2018-06-20 08:44:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 148.63 Mbit/s

95th percentile per-packet one-way delay: 54.487 ms

Loss rate: 0.01%

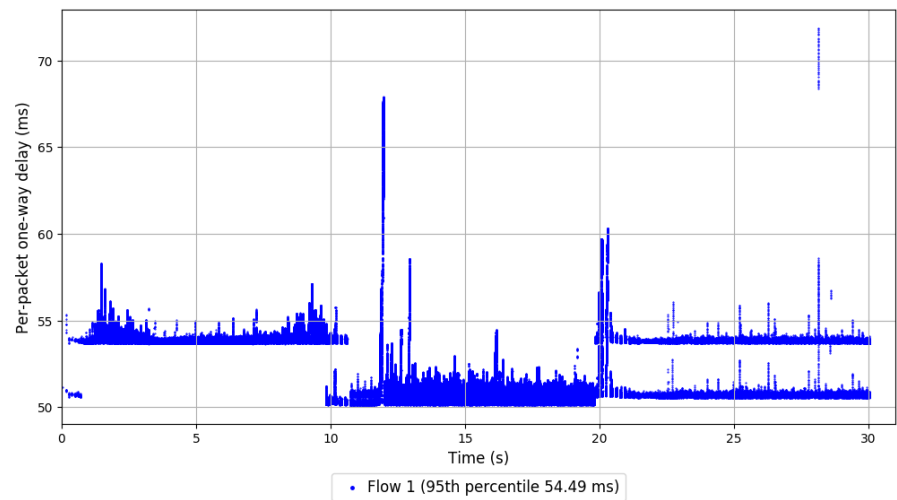
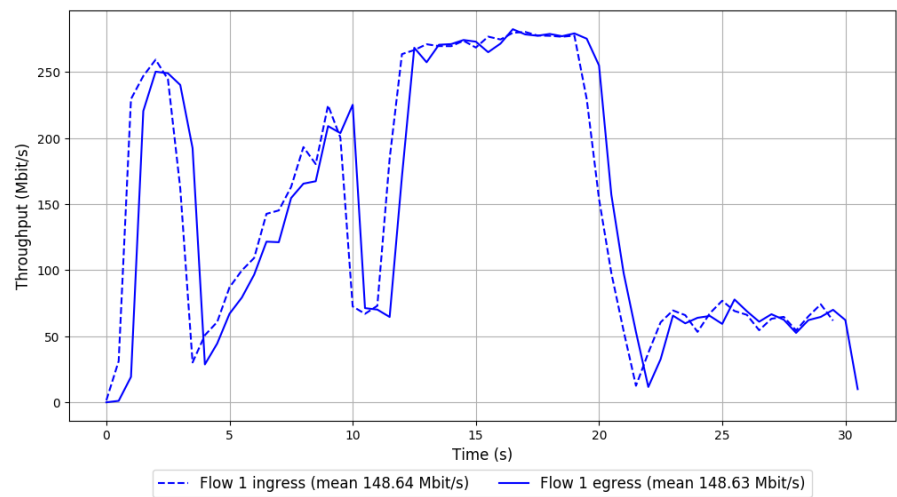
-- Flow 1:

Average throughput: 148.63 Mbit/s

95th percentile per-packet one-way delay: 54.487 ms

Loss rate: 0.01%

Run 10: Report of Copa — Data Link

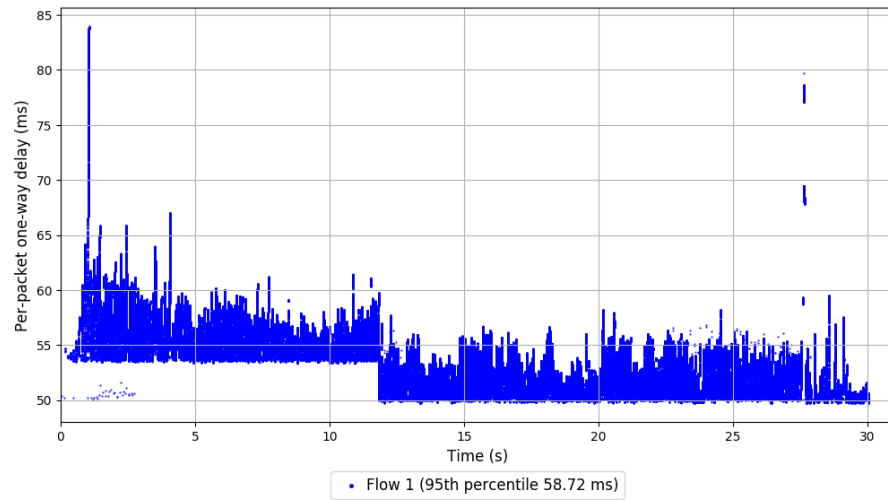
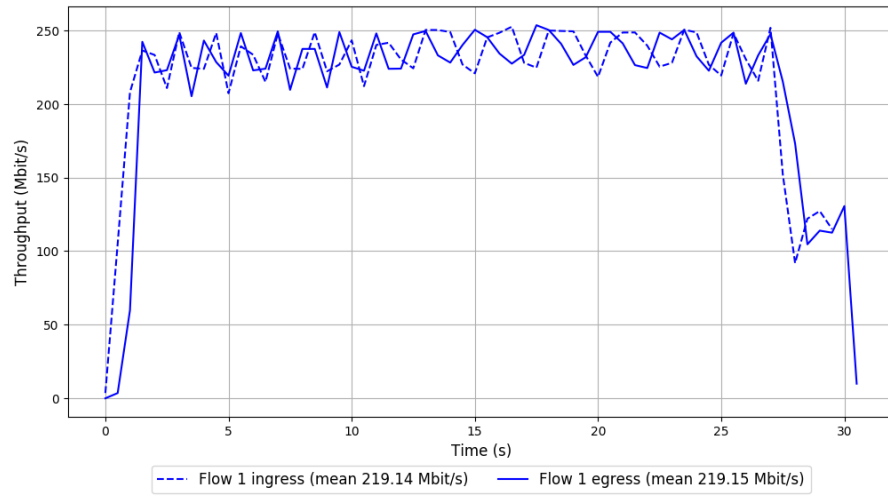


Run 1: Statistics of TCP Cubic

Start at: 2018-06-20 05:12:57
End at: 2018-06-20 05:13:27
Local clock offset: 0.008 ms
Remote clock offset: -0.134 ms

Below is generated by plot.py at 2018-06-20 08:44:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.15 Mbit/s
95th percentile per-packet one-way delay: 58.723 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 219.15 Mbit/s
95th percentile per-packet one-way delay: 58.723 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-06-20 05:33:05

End at: 2018-06-20 05:33:35

Local clock offset: 0.052 ms

Remote clock offset: 0.083 ms

Below is generated by plot.py at 2018-06-20 08:44:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.71 Mbit/s

95th percentile per-packet one-way delay: 57.717 ms

Loss rate: 0.00%

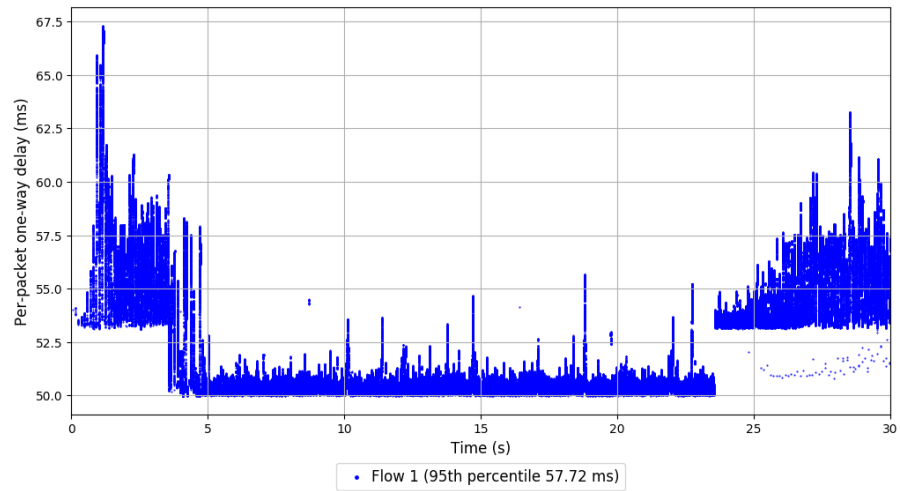
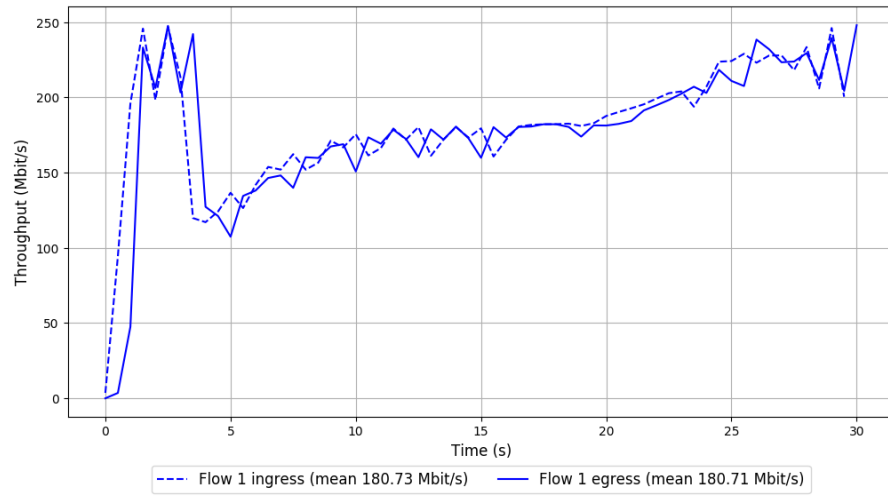
-- Flow 1:

Average throughput: 180.71 Mbit/s

95th percentile per-packet one-way delay: 57.717 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-06-20 05:53:20

End at: 2018-06-20 05:53:50

Local clock offset: 0.195 ms

Remote clock offset: 1.027 ms

Below is generated by plot.py at 2018-06-20 08:45:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 191.00 Mbit/s

95th percentile per-packet one-way delay: 59.326 ms

Loss rate: 0.00%

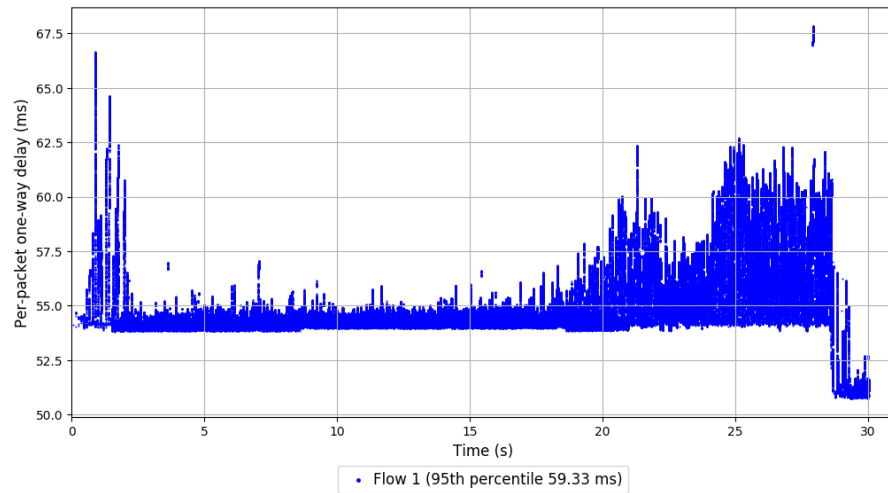
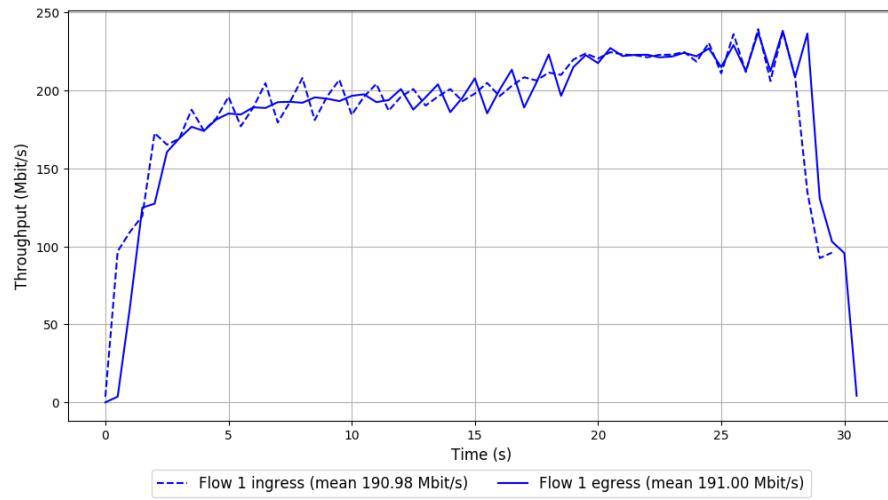
-- Flow 1:

Average throughput: 191.00 Mbit/s

95th percentile per-packet one-way delay: 59.326 ms

Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-06-20 06:13:53

End at: 2018-06-20 06:14:23

Local clock offset: 0.048 ms

Remote clock offset: -0.33 ms

Below is generated by plot.py at 2018-06-20 08:45:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.72 Mbit/s

95th percentile per-packet one-way delay: 58.504 ms

Loss rate: 0.00%

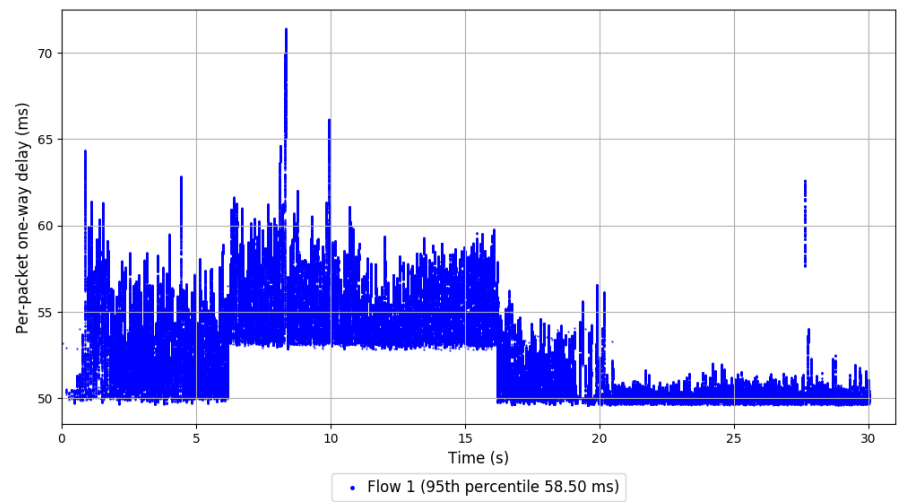
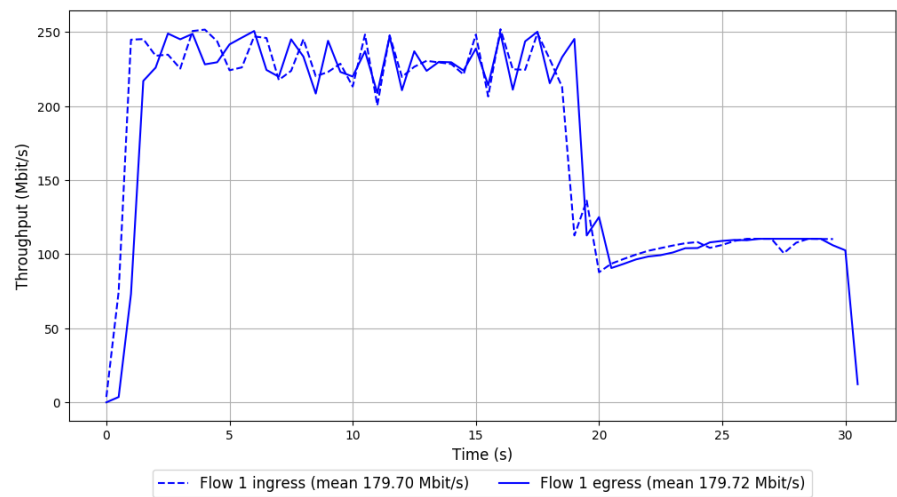
-- Flow 1:

Average throughput: 179.72 Mbit/s

95th percentile per-packet one-way delay: 58.504 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-06-20 06:34:16

End at: 2018-06-20 06:34:46

Local clock offset: -0.1 ms

Remote clock offset: 0.087 ms

Below is generated by plot.py at 2018-06-20 08:45:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 151.24 Mbit/s

95th percentile per-packet one-way delay: 55.418 ms

Loss rate: 0.01%

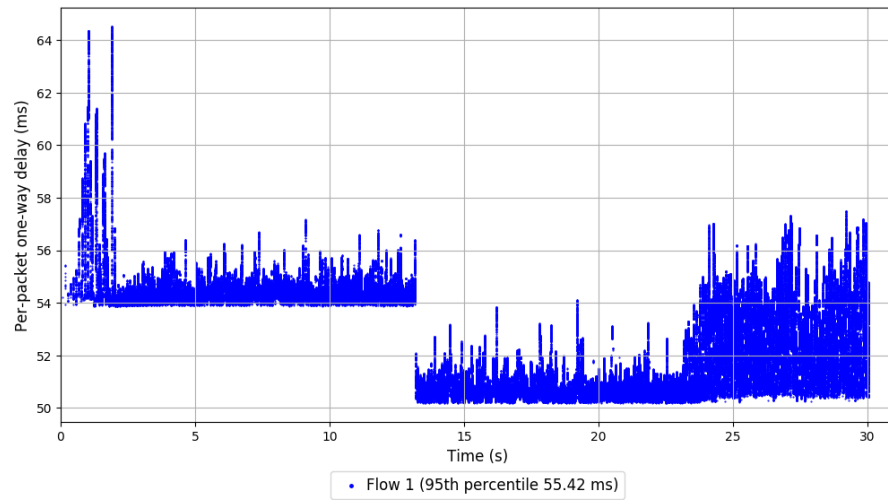
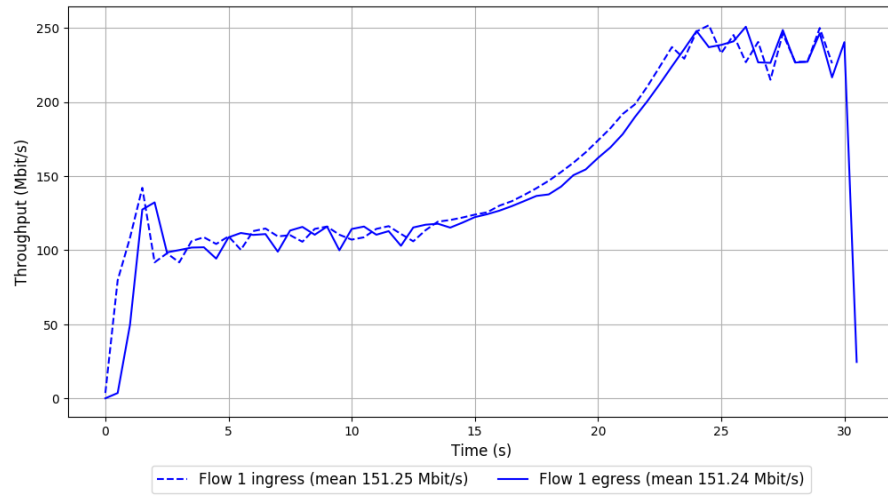
-- Flow 1:

Average throughput: 151.24 Mbit/s

95th percentile per-packet one-way delay: 55.418 ms

Loss rate: 0.01%

Run 5: Report of TCP Cubic — Data Link

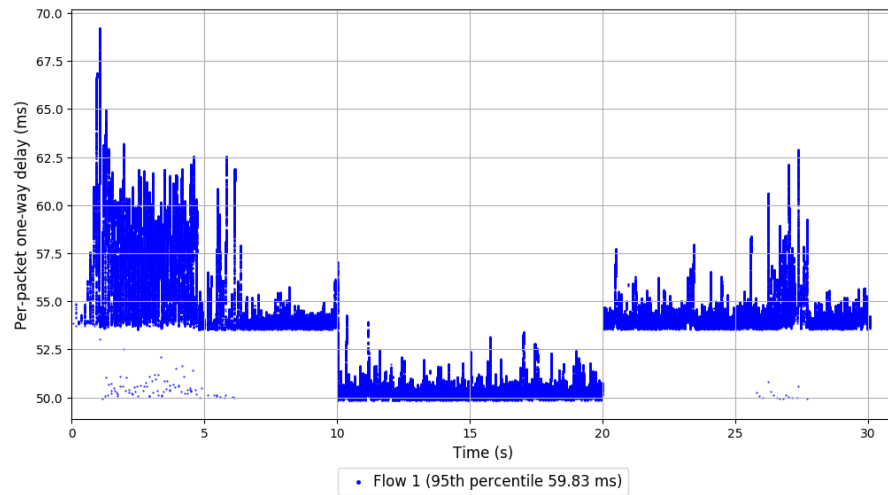
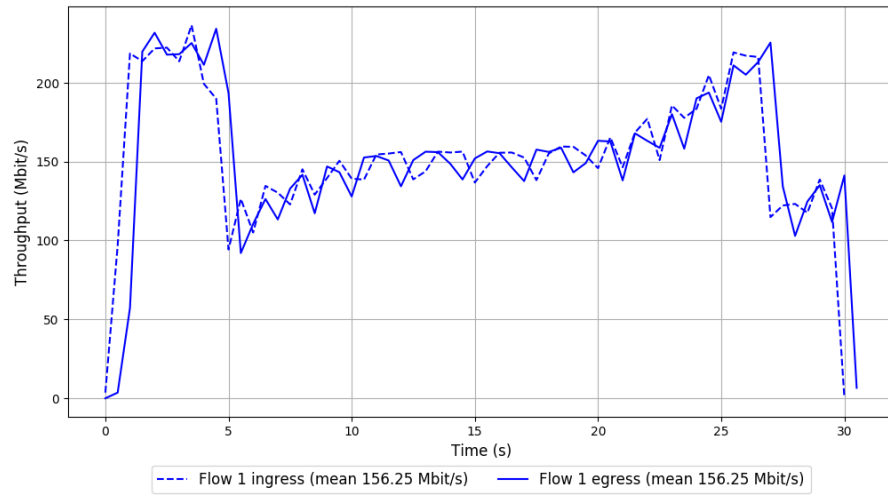


Run 6: Statistics of TCP Cubic

Start at: 2018-06-20 06:55:09
End at: 2018-06-20 06:55:39
Local clock offset: -0.017 ms
Remote clock offset: -0.125 ms

Below is generated by plot.py at 2018-06-20 08:45:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 156.25 Mbit/s
95th percentile per-packet one-way delay: 59.827 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 156.25 Mbit/s
95th percentile per-packet one-way delay: 59.827 ms
Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-06-20 07:15:53

End at: 2018-06-20 07:16:23

Local clock offset: -0.096 ms

Remote clock offset: 1.272 ms

Below is generated by plot.py at 2018-06-20 08:46:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.90 Mbit/s

95th percentile per-packet one-way delay: 58.480 ms

Loss rate: 0.00%

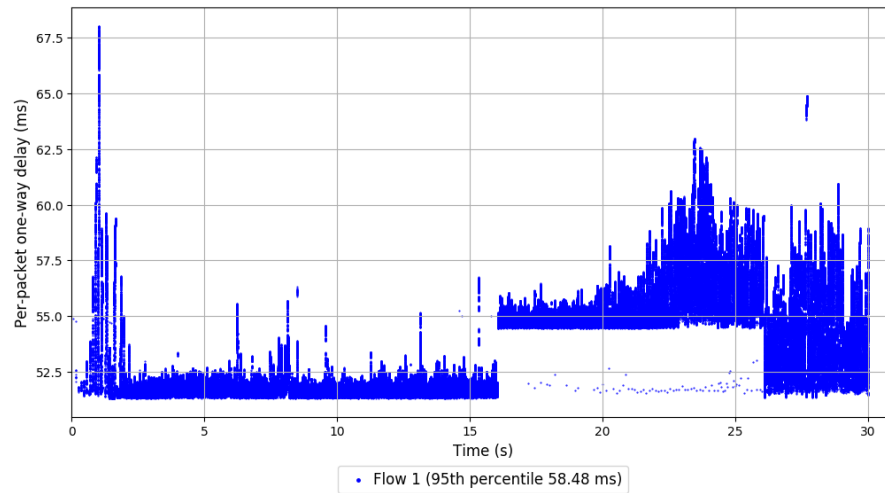
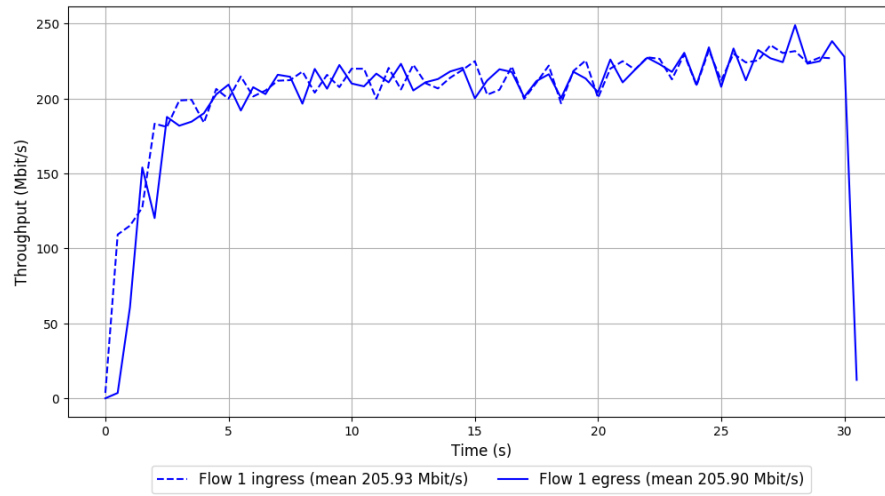
-- Flow 1:

Average throughput: 205.90 Mbit/s

95th percentile per-packet one-way delay: 58.480 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link

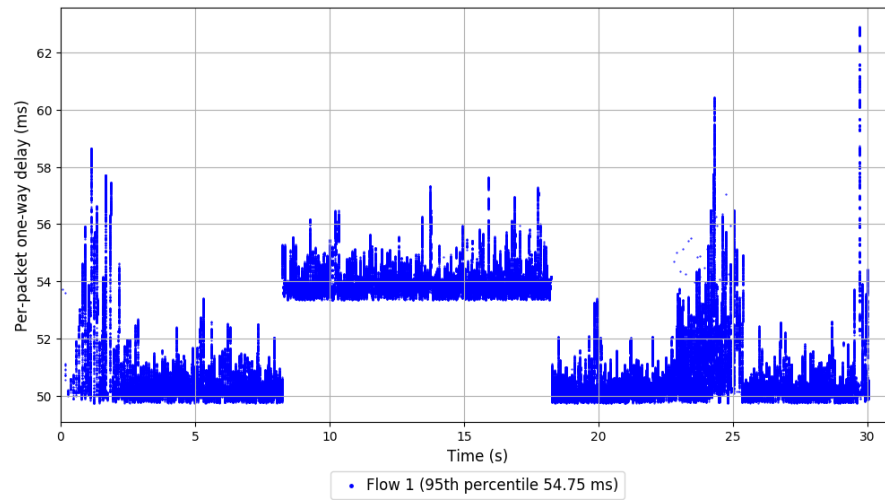
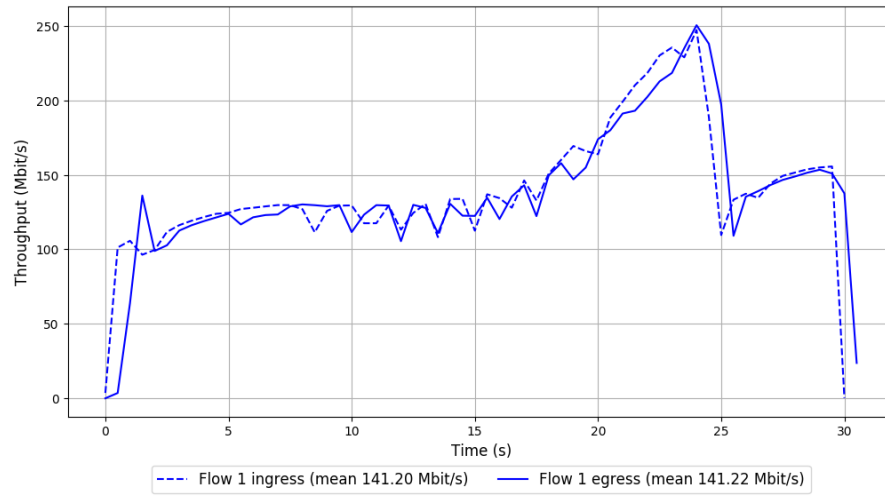


Run 8: Statistics of TCP Cubic

Start at: 2018-06-20 07:36:11
End at: 2018-06-20 07:36:41
Local clock offset: -0.02 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2018-06-20 08:46:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 141.22 Mbit/s
95th percentile per-packet one-way delay: 54.748 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 141.22 Mbit/s
95th percentile per-packet one-way delay: 54.748 ms
Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link

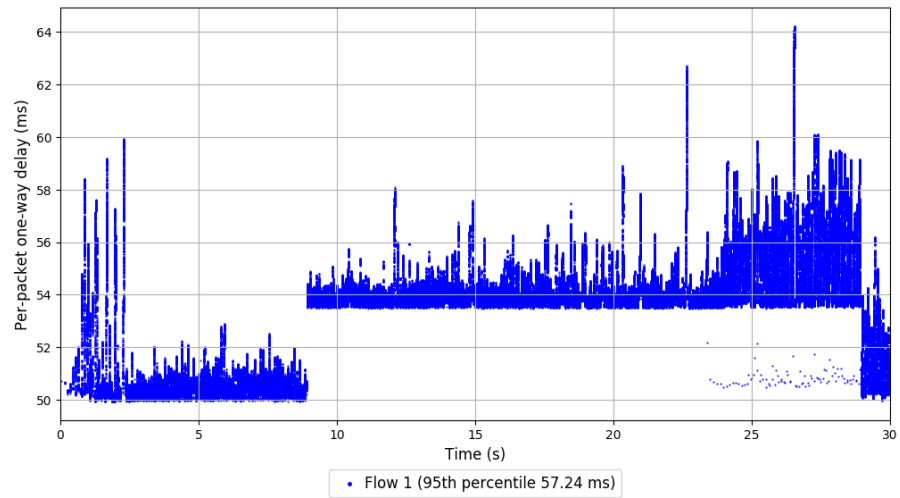
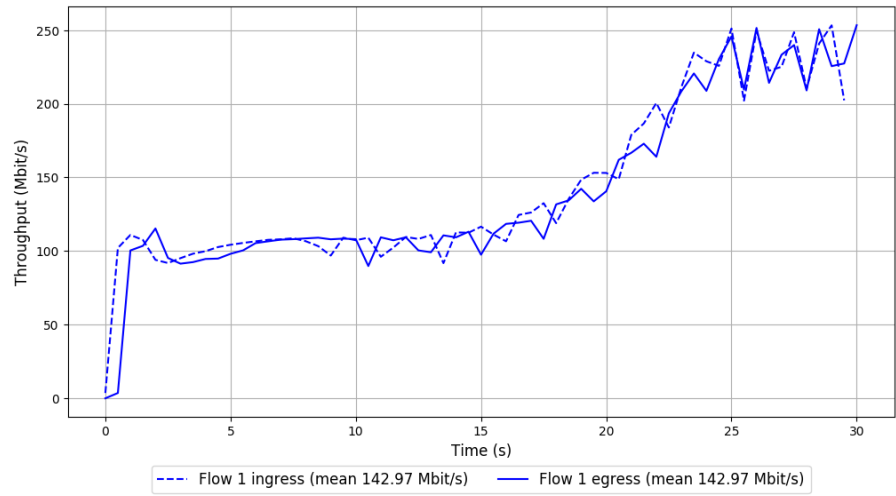


Run 9: Statistics of TCP Cubic

Start at: 2018-06-20 07:56:20
End at: 2018-06-20 07:56:50
Local clock offset: -0.054 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-06-20 08:46:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 142.97 Mbit/s
95th percentile per-packet one-way delay: 57.245 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 142.97 Mbit/s
95th percentile per-packet one-way delay: 57.245 ms
Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-06-20 08:16:40

End at: 2018-06-20 08:17:10

Local clock offset: -0.103 ms

Remote clock offset: 0.995 ms

Below is generated by plot.py at 2018-06-20 08:46:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 113.05 Mbit/s

95th percentile per-packet one-way delay: 56.118 ms

Loss rate: 0.00%

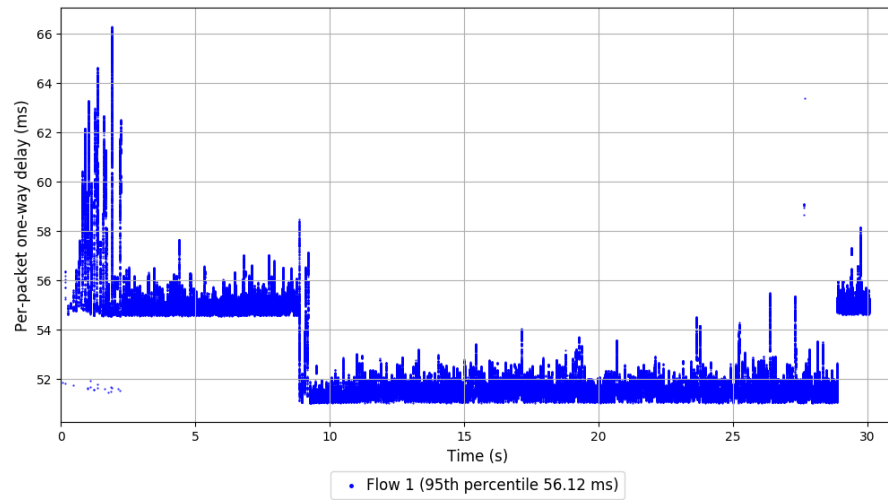
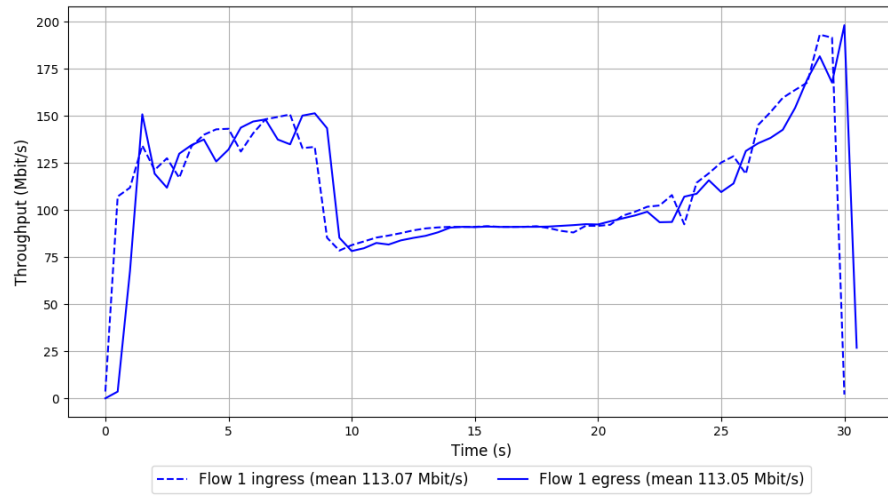
-- Flow 1:

Average throughput: 113.05 Mbit/s

95th percentile per-packet one-way delay: 56.118 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

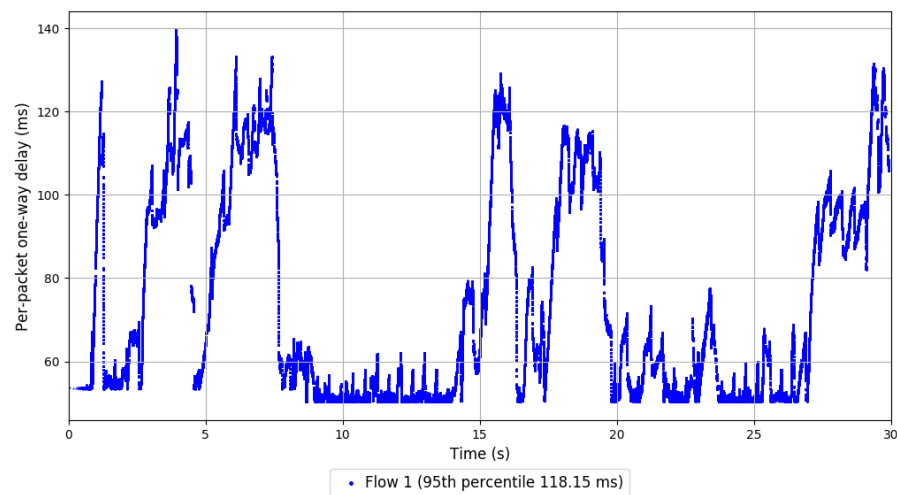
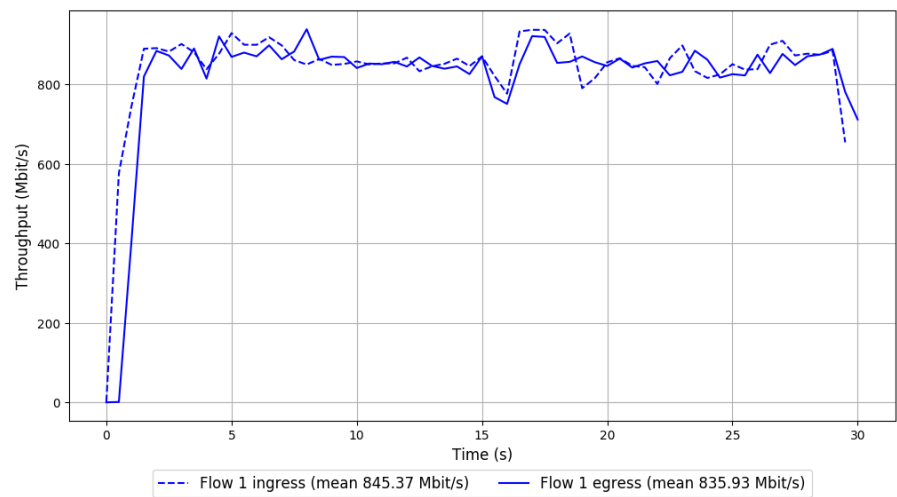


Run 1: Statistics of FillP

Start at: 2018-06-20 05:06:31
End at: 2018-06-20 05:07:01
Local clock offset: -0.032 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-06-20 09:03:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 835.93 Mbit/s
95th percentile per-packet one-way delay: 118.146 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 835.93 Mbit/s
95th percentile per-packet one-way delay: 118.146 ms
Loss rate: 1.12%

Run 1: Report of FillP — Data Link

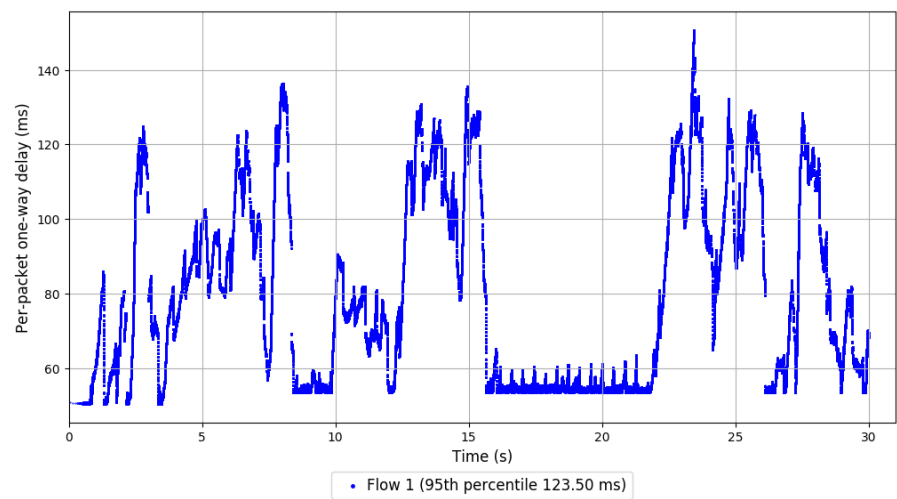
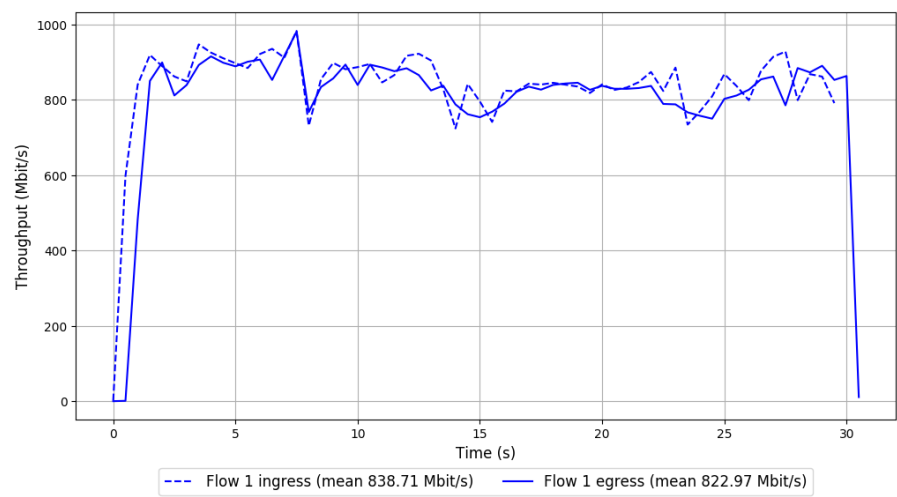


Run 2: Statistics of FillP

Start at: 2018-06-20 05:26:46
End at: 2018-06-20 05:27:16
Local clock offset: 0.07 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-06-20 09:03:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 822.97 Mbit/s
95th percentile per-packet one-way delay: 123.496 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 822.97 Mbit/s
95th percentile per-packet one-way delay: 123.496 ms
Loss rate: 1.86%

Run 2: Report of FillP — Data Link

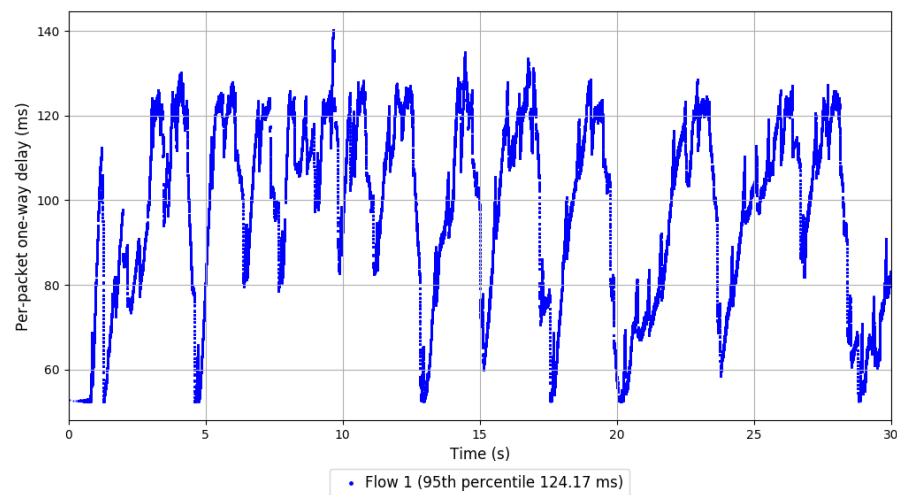
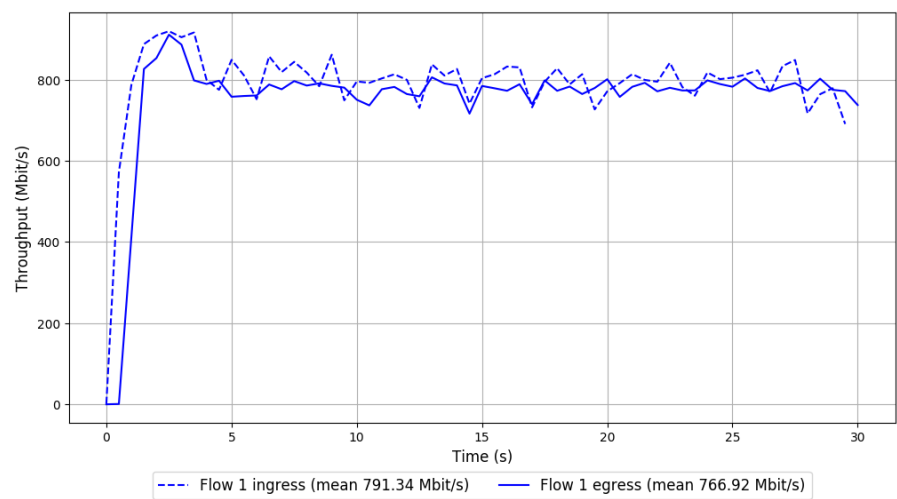


Run 3: Statistics of FillP

Start at: 2018-06-20 05:46:59
End at: 2018-06-20 05:47:29
Local clock offset: -0.15 ms
Remote clock offset: -1.271 ms

Below is generated by plot.py at 2018-06-20 09:03:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 766.92 Mbit/s
95th percentile per-packet one-way delay: 124.173 ms
Loss rate: 3.09%
-- Flow 1:
Average throughput: 766.92 Mbit/s
95th percentile per-packet one-way delay: 124.173 ms
Loss rate: 3.09%

Run 3: Report of FillP — Data Link

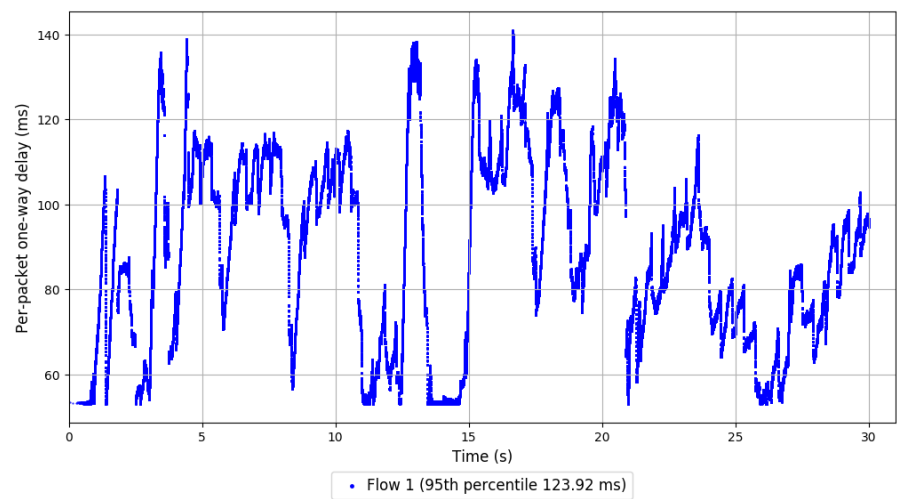
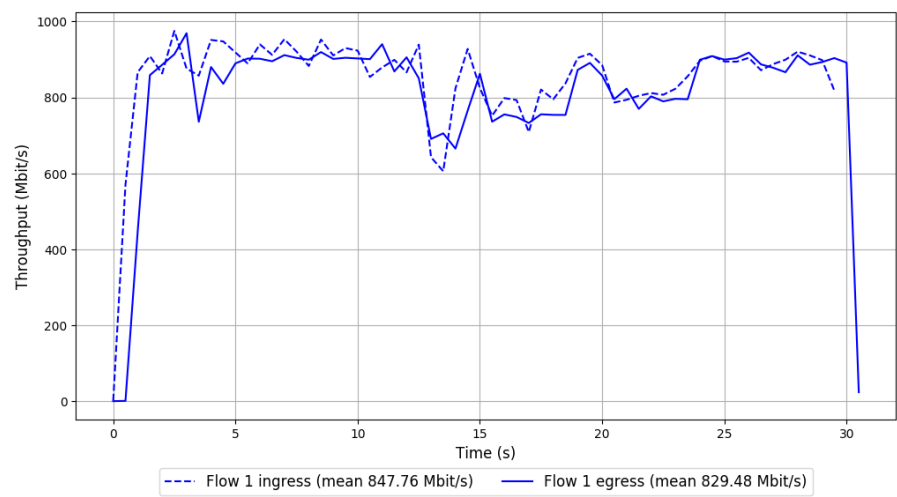


Run 4: Statistics of FillP

Start at: 2018-06-20 06:07:14
End at: 2018-06-20 06:07:44
Local clock offset: 0.048 ms
Remote clock offset: -0.186 ms

Below is generated by plot.py at 2018-06-20 09:03:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 829.48 Mbit/s
95th percentile per-packet one-way delay: 123.923 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 829.48 Mbit/s
95th percentile per-packet one-way delay: 123.923 ms
Loss rate: 2.15%

Run 4: Report of FillP — Data Link

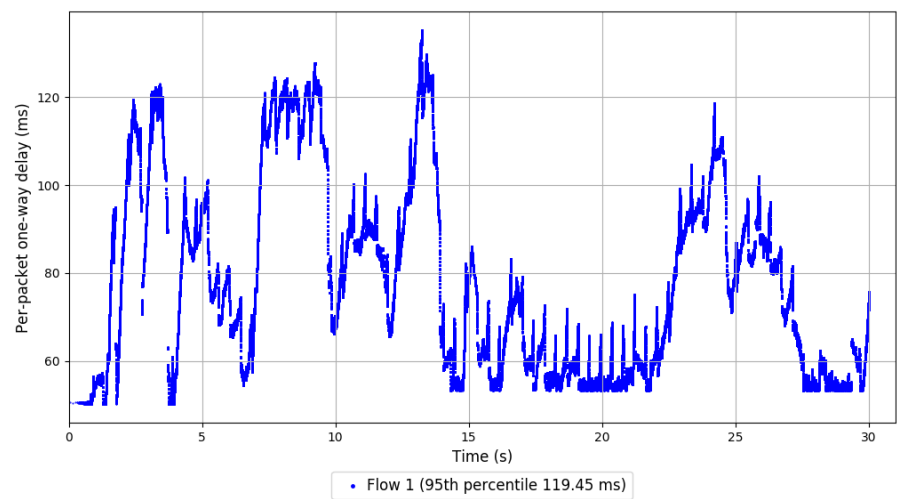
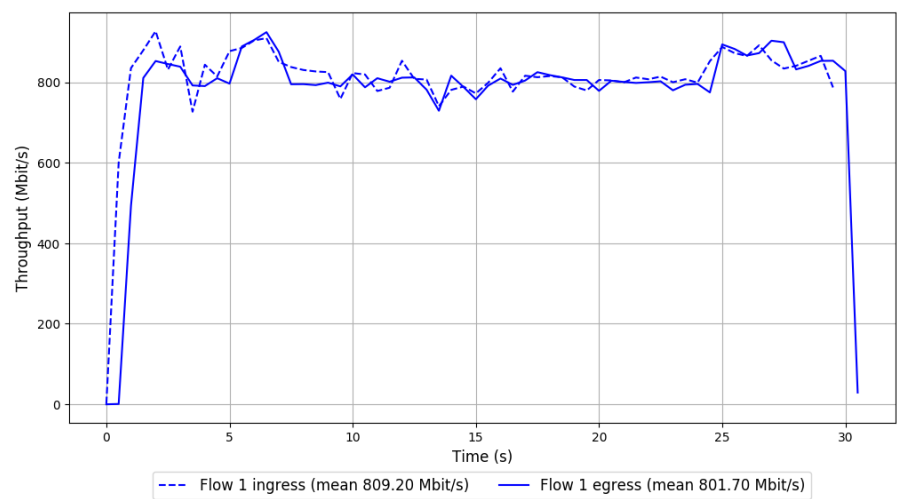


Run 5: Statistics of FillP

Start at: 2018-06-20 06:27:56
End at: 2018-06-20 06:28:26
Local clock offset: -0.021 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-06-20 09:03:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 801.70 Mbit/s
95th percentile per-packet one-way delay: 119.452 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 801.70 Mbit/s
95th percentile per-packet one-way delay: 119.452 ms
Loss rate: 0.91%

Run 5: Report of FillP — Data Link

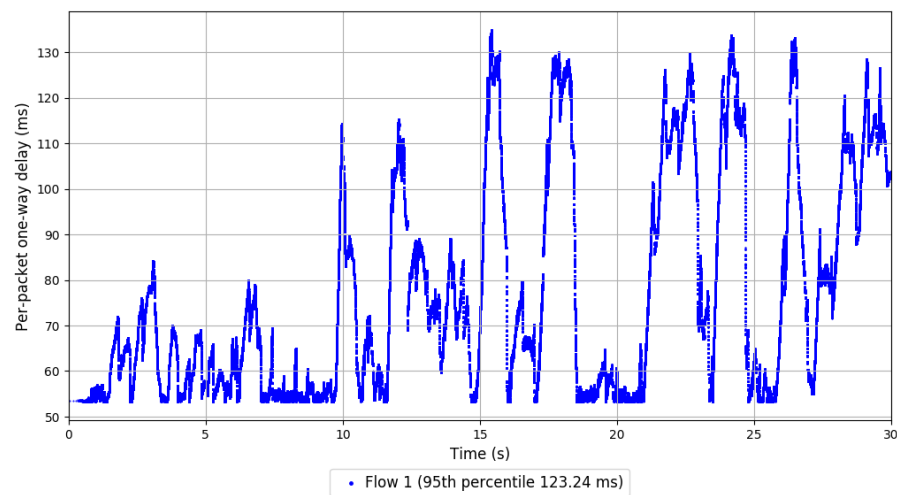
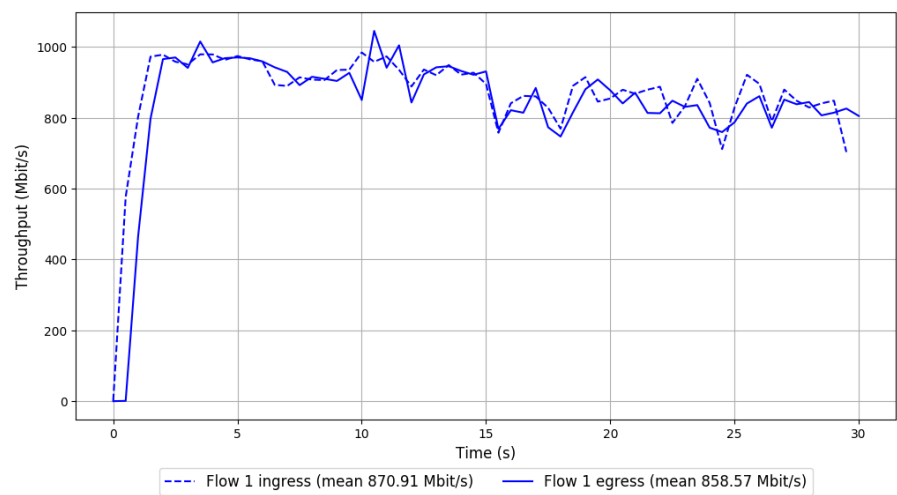


Run 6: Statistics of FillP

Start at: 2018-06-20 06:48:29
End at: 2018-06-20 06:48:59
Local clock offset: -0.133 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-06-20 09:04:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 858.57 Mbit/s
95th percentile per-packet one-way delay: 123.242 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 858.57 Mbit/s
95th percentile per-packet one-way delay: 123.242 ms
Loss rate: 1.41%

Run 6: Report of FillP — Data Link

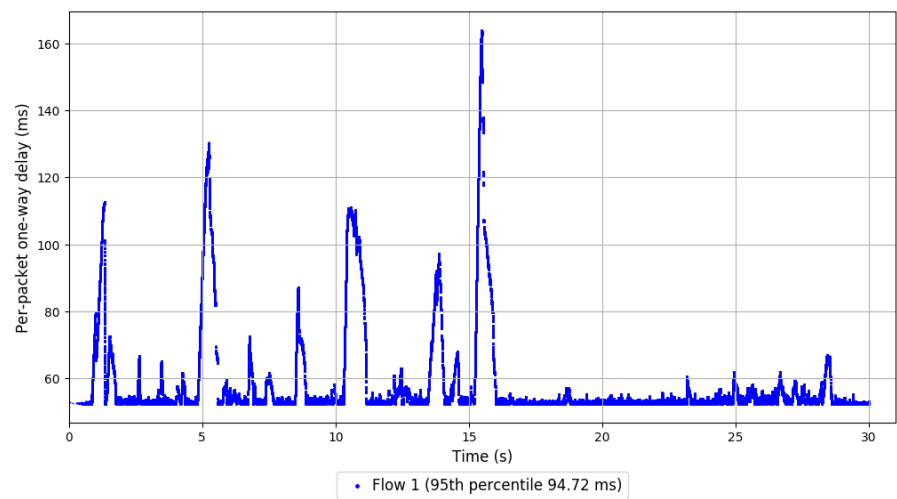
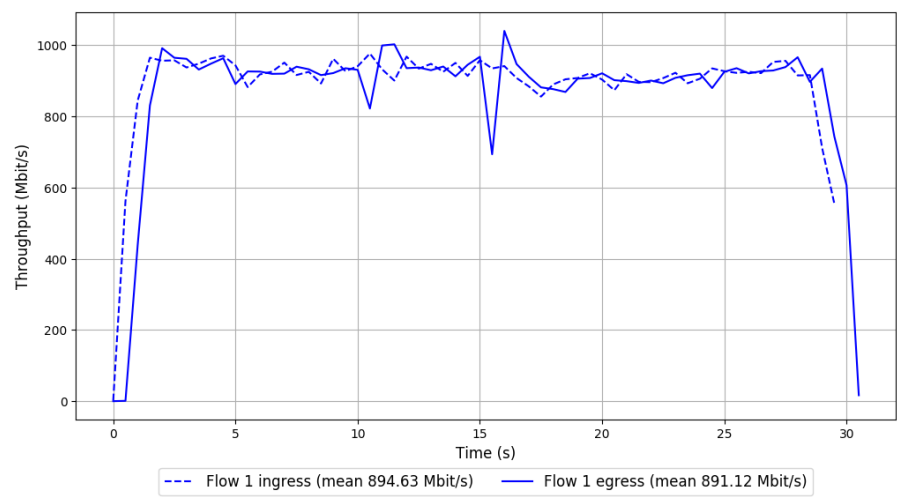


Run 7: Statistics of FillP

Start at: 2018-06-20 07:09:14
End at: 2018-06-20 07:09:44
Local clock offset: -0.046 ms
Remote clock offset: -1.273 ms

Below is generated by plot.py at 2018-06-20 09:05:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 891.12 Mbit/s
95th percentile per-packet one-way delay: 94.722 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 891.12 Mbit/s
95th percentile per-packet one-way delay: 94.722 ms
Loss rate: 0.39%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-06-20 07:29:50

End at: 2018-06-20 07:30:20

Local clock offset: 0.237 ms

Remote clock offset: 0.203 ms

Below is generated by plot.py at 2018-06-20 09:05:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 872.82 Mbit/s

95th percentile per-packet one-way delay: 103.225 ms

Loss rate: 0.56%

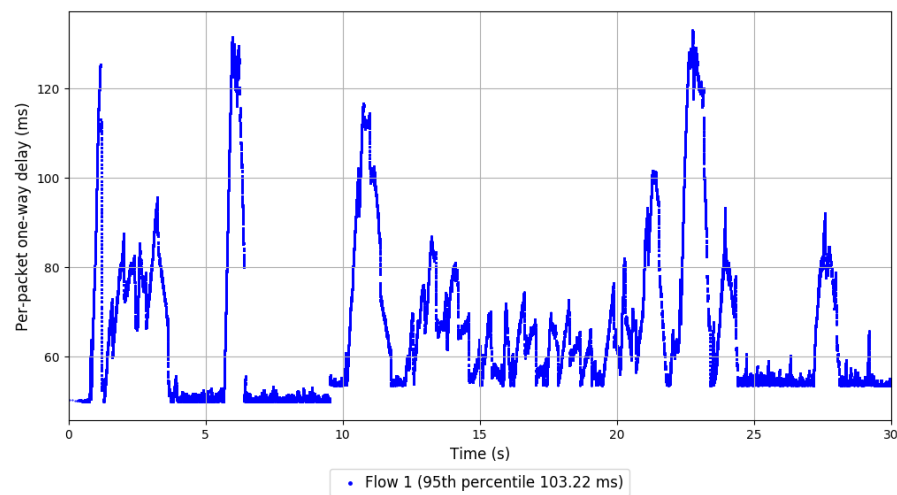
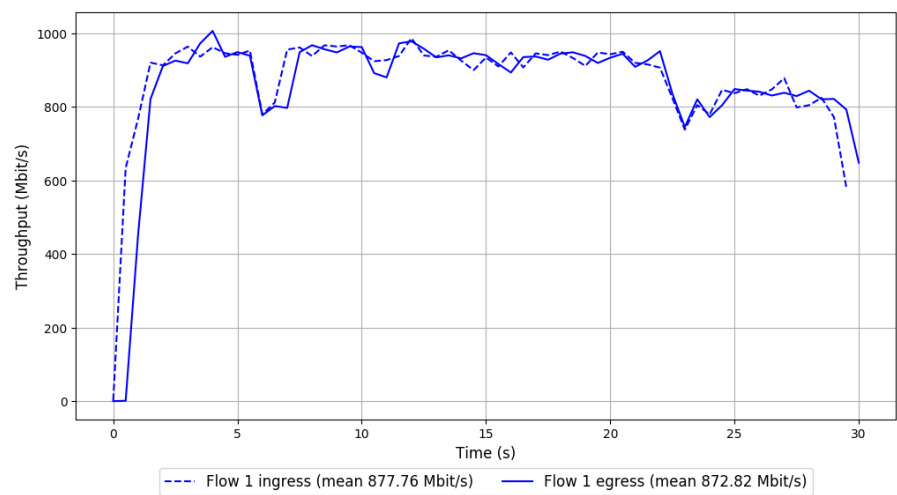
-- Flow 1:

Average throughput: 872.82 Mbit/s

95th percentile per-packet one-way delay: 103.225 ms

Loss rate: 0.56%

Run 8: Report of FillP — Data Link

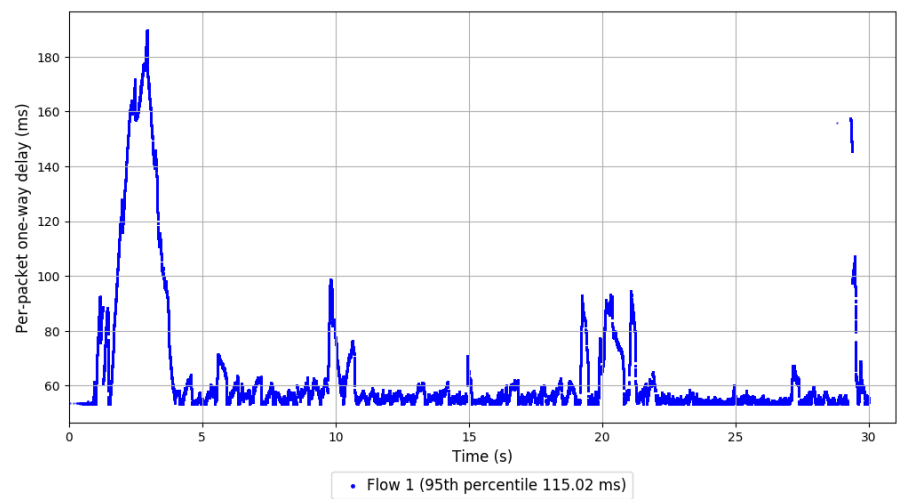
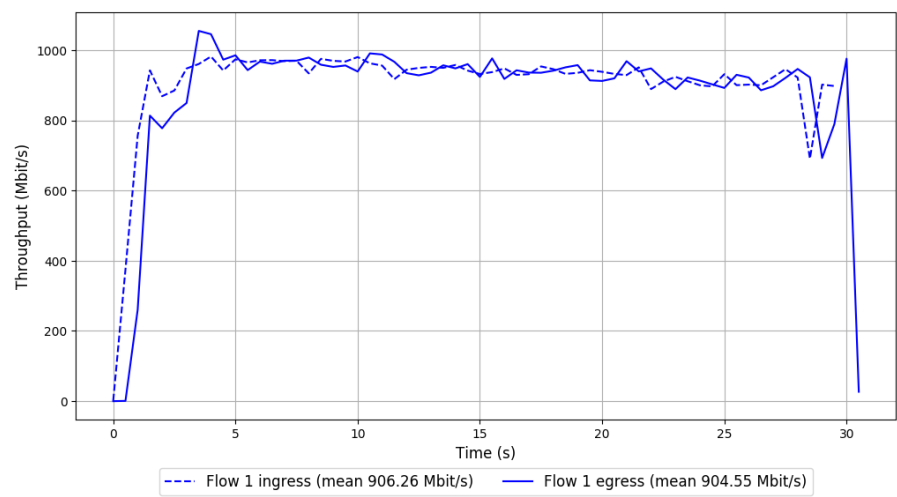


Run 9: Statistics of FillP

Start at: 2018-06-20 07:49:51
End at: 2018-06-20 07:50:21
Local clock offset: -0.058 ms
Remote clock offset: -0.155 ms

Below is generated by plot.py at 2018-06-20 09:21:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 904.55 Mbit/s
95th percentile per-packet one-way delay: 115.024 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 904.55 Mbit/s
95th percentile per-packet one-way delay: 115.024 ms
Loss rate: 0.20%

Run 9: Report of FillP — Data Link

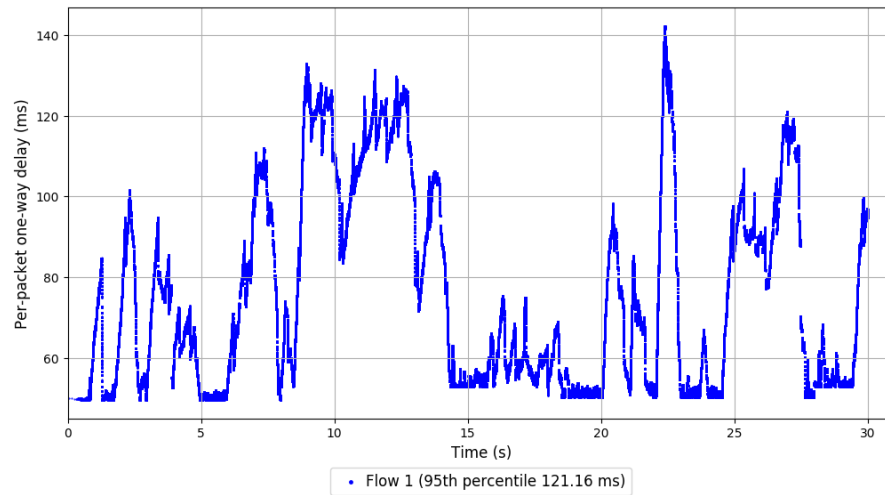
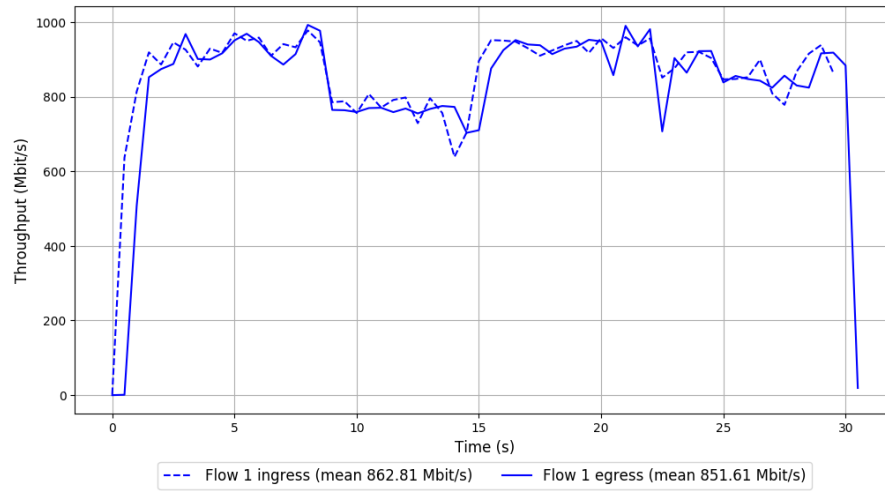


Run 10: Statistics of FillP

Start at: 2018-06-20 08:10:12
End at: 2018-06-20 08:10:42
Local clock offset: 0.032 ms
Remote clock offset: -0.256 ms

Below is generated by plot.py at 2018-06-20 09:21:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 851.61 Mbit/s
95th percentile per-packet one-way delay: 121.157 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 851.61 Mbit/s
95th percentile per-packet one-way delay: 121.157 ms
Loss rate: 1.29%

Run 10: Report of FillP — Data Link

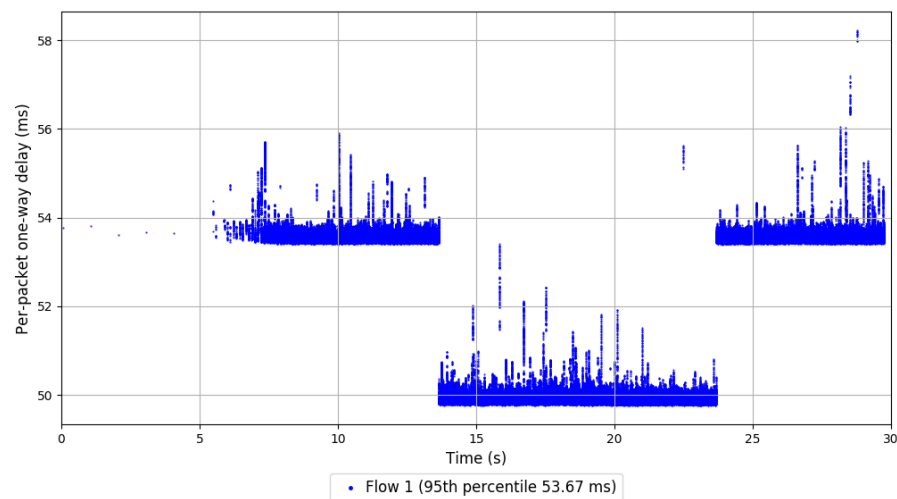
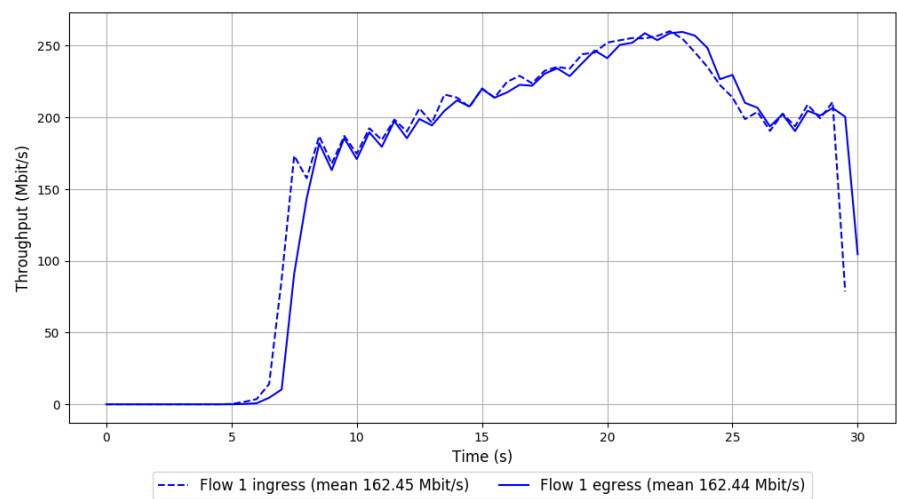


```
Run 1: Statistics of Indigo

Start at: 2018-06-20 05:10:35
End at: 2018-06-20 05:11:05
Local clock offset: -0.032 ms
Remote clock offset: -0.12 ms

# Below is generated by plot.py at 2018-06-20 09:21:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 162.44 Mbit/s
95th percentile per-packet one-way delay: 53.675 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 162.44 Mbit/s
95th percentile per-packet one-way delay: 53.675 ms
Loss rate: 0.02%
```


Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-06-20 05:30:41

End at: 2018-06-20 05:31:11

Local clock offset: -0.017 ms

Remote clock offset: 0.223 ms

Below is generated by plot.py at 2018-06-20 09:21:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 197.38 Mbit/s

95th percentile per-packet one-way delay: 53.466 ms

Loss rate: 0.00%

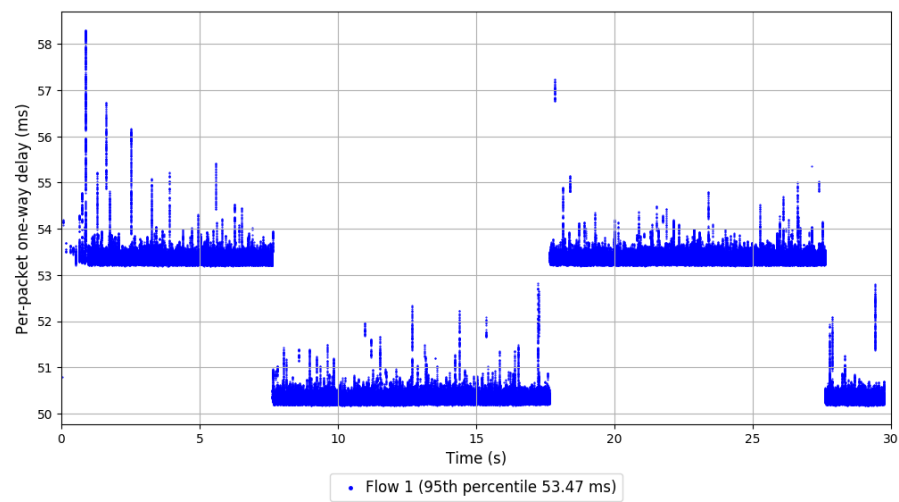
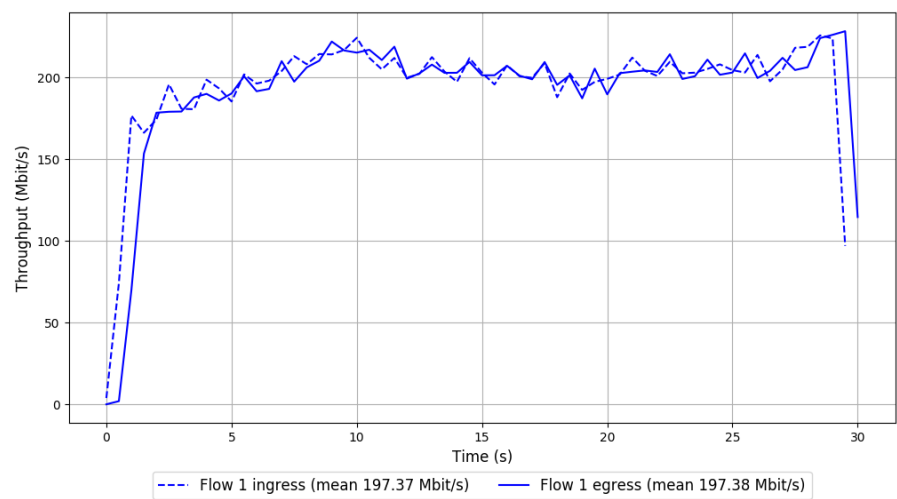
-- Flow 1:

Average throughput: 197.38 Mbit/s

95th percentile per-packet one-way delay: 53.466 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-06-20 05:50:55

End at: 2018-06-20 05:51:25

Local clock offset: 0.1 ms

Remote clock offset: 1.202 ms

Below is generated by plot.py at 2018-06-20 09:21:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.74 Mbit/s

95th percentile per-packet one-way delay: 54.412 ms

Loss rate: 0.00%

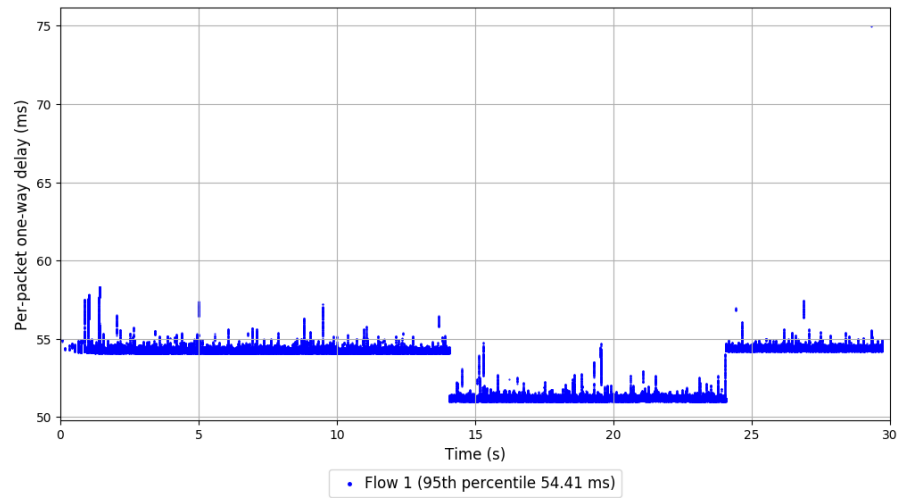
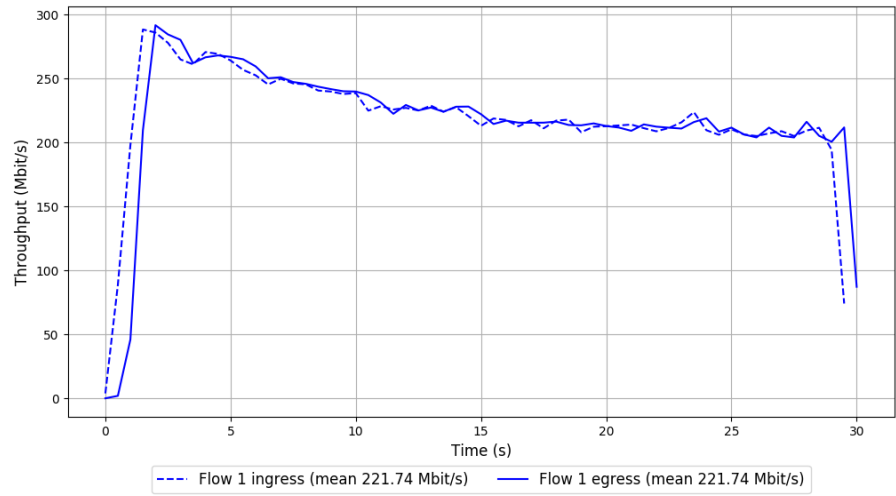
-- Flow 1:

Average throughput: 221.74 Mbit/s

95th percentile per-packet one-way delay: 54.412 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-06-20 06:11:28

End at: 2018-06-20 06:11:58

Local clock offset: 0.248 ms

Remote clock offset: -0.32 ms

Below is generated by plot.py at 2018-06-20 09:21:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.78 Mbit/s

95th percentile per-packet one-way delay: 52.808 ms

Loss rate: 0.00%

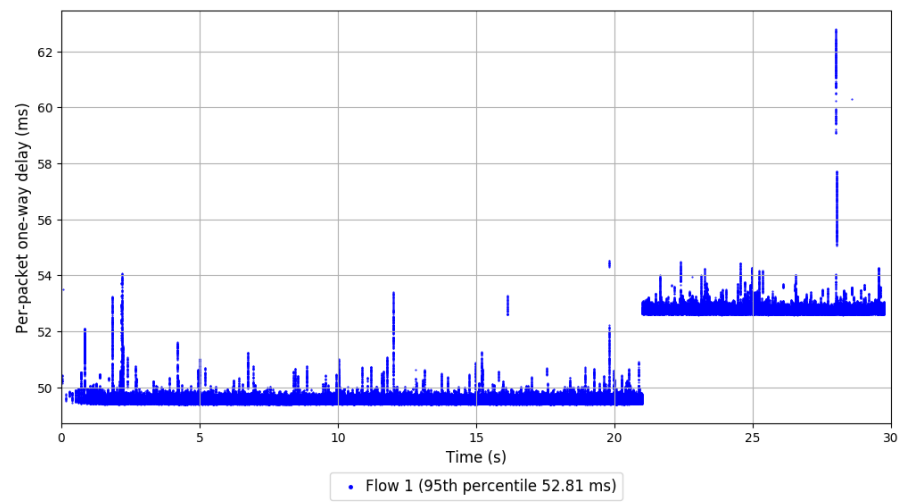
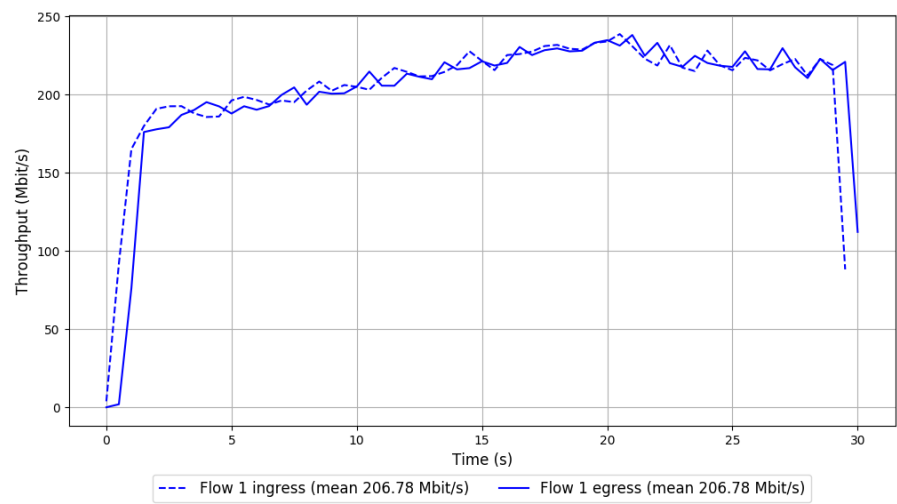
-- Flow 1:

Average throughput: 206.78 Mbit/s

95th percentile per-packet one-way delay: 52.808 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

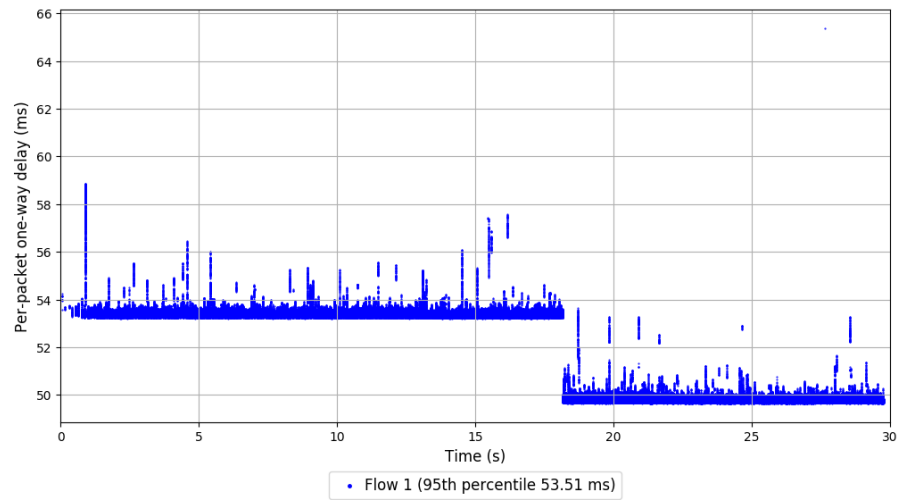
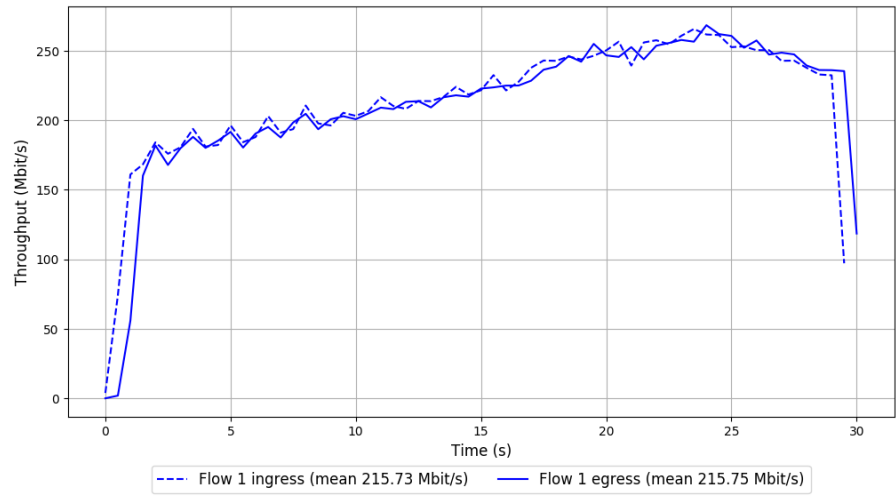


Run 5: Statistics of Indigo

Start at: 2018-06-20 06:31:51
End at: 2018-06-20 06:32:21
Local clock offset: 0.221 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-06-20 09:21:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 215.75 Mbit/s
95th percentile per-packet one-way delay: 53.508 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 215.75 Mbit/s
95th percentile per-packet one-way delay: 53.508 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-06-20 06:52:43

End at: 2018-06-20 06:53:13

Local clock offset: -0.06 ms

Remote clock offset: -0.46 ms

Below is generated by plot.py at 2018-06-20 09:21:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 228.51 Mbit/s

95th percentile per-packet one-way delay: 49.868 ms

Loss rate: 0.00%

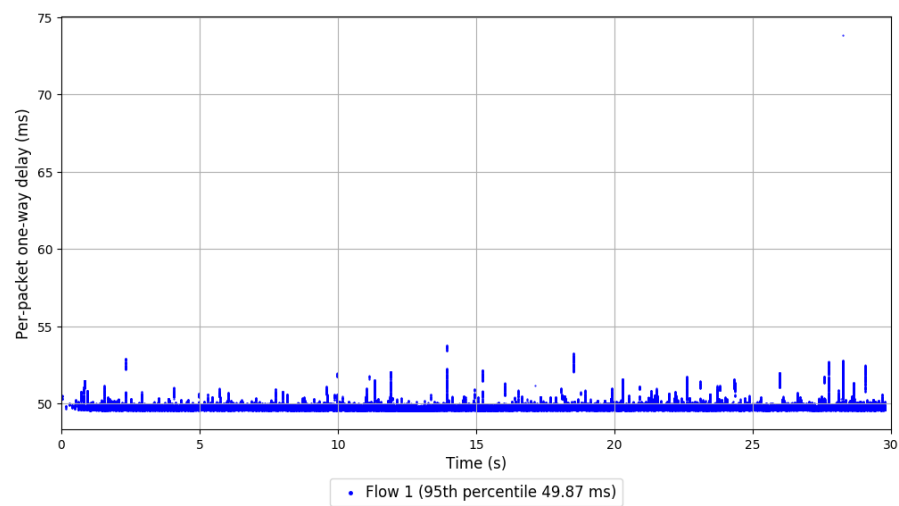
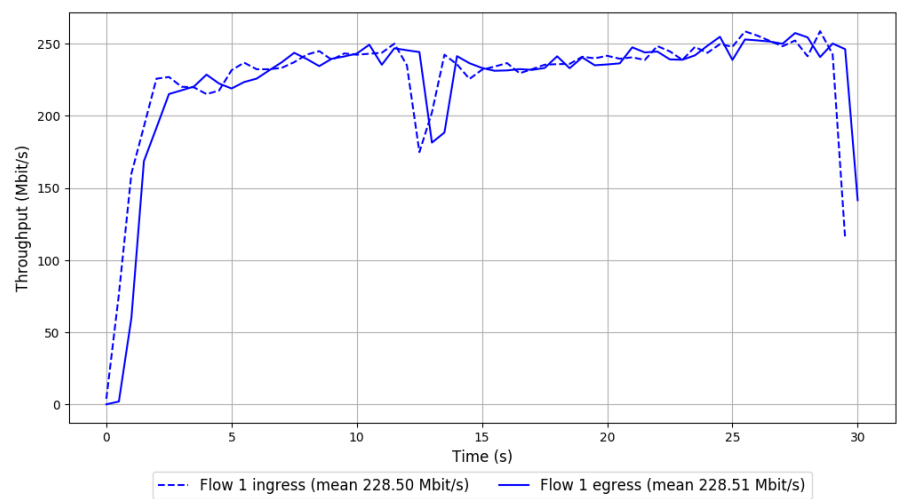
-- Flow 1:

Average throughput: 228.51 Mbit/s

95th percentile per-packet one-way delay: 49.868 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-06-20 07:13:27

End at: 2018-06-20 07:13:57

Local clock offset: -0.039 ms

Remote clock offset: -1.32 ms

Below is generated by plot.py at 2018-06-20 09:21:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.29 Mbit/s

95th percentile per-packet one-way delay: 52.082 ms

Loss rate: 0.00%

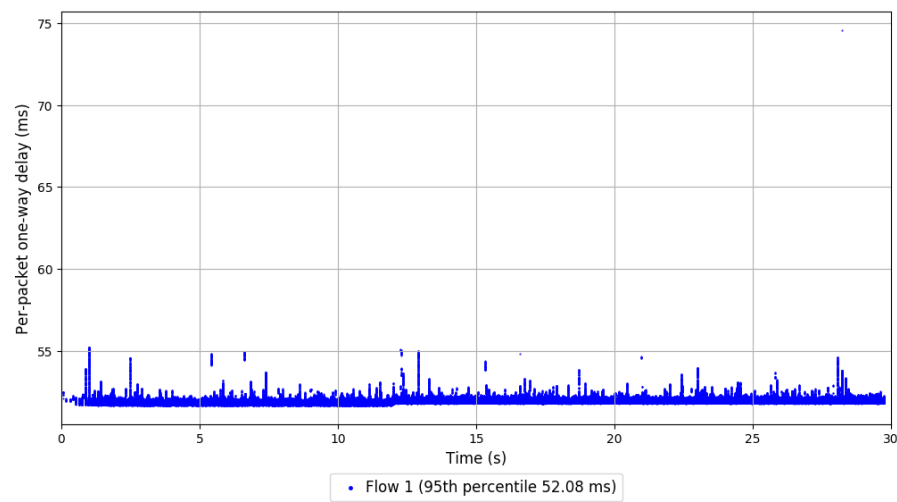
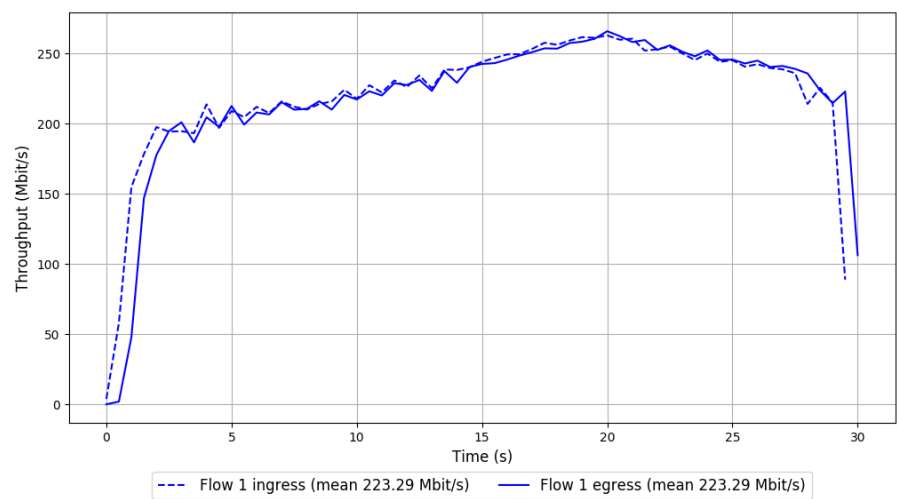
-- Flow 1:

Average throughput: 223.29 Mbit/s

95th percentile per-packet one-way delay: 52.082 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-06-20 07:33:47

End at: 2018-06-20 07:34:17

Local clock offset: -0.019 ms

Remote clock offset: 1.275 ms

Below is generated by plot.py at 2018-06-20 09:21:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 199.64 Mbit/s

95th percentile per-packet one-way delay: 55.044 ms

Loss rate: 0.00%

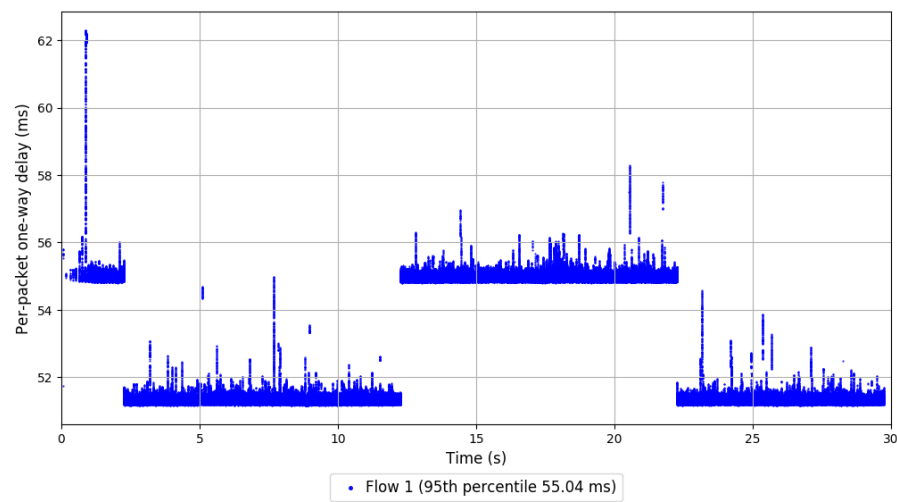
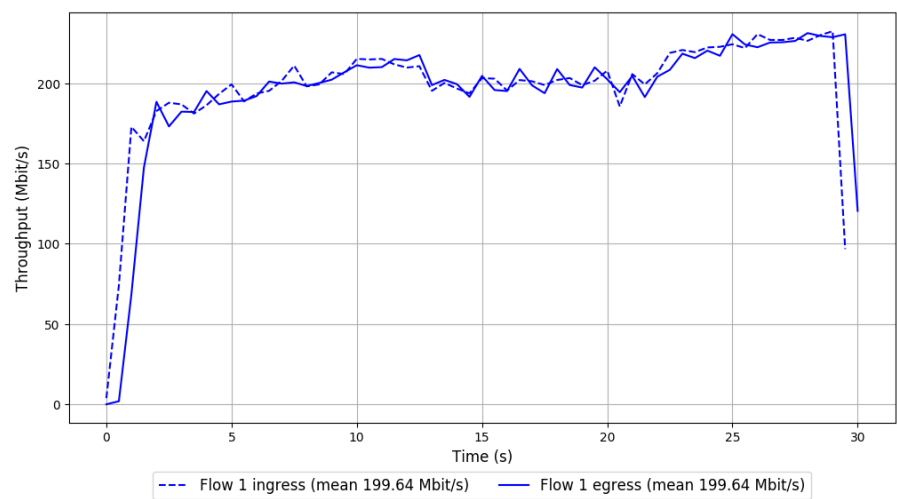
-- Flow 1:

Average throughput: 199.64 Mbit/s

95th percentile per-packet one-way delay: 55.044 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

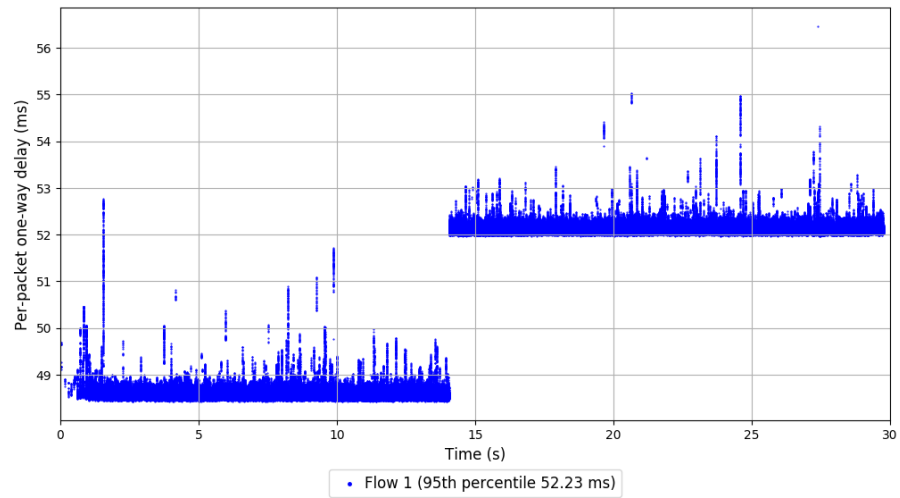
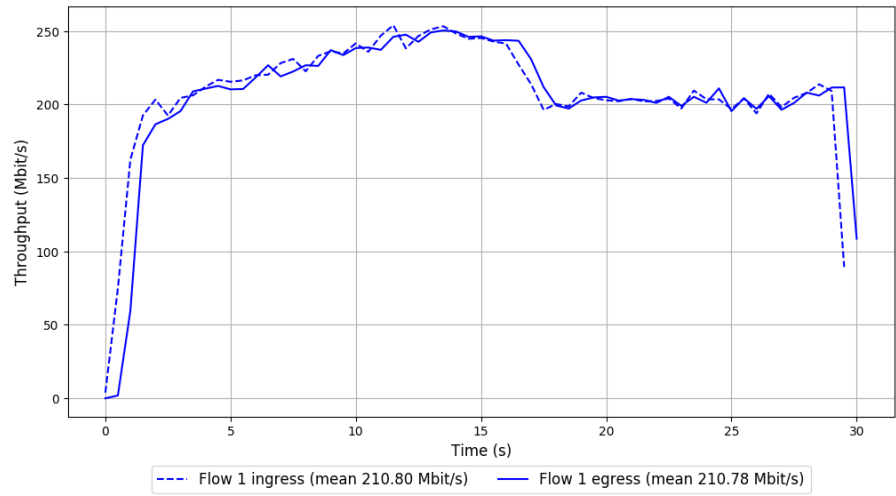


Run 9: Statistics of Indigo

Start at: 2018-06-20 07:53:55
End at: 2018-06-20 07:54:25
Local clock offset: 0.092 ms
Remote clock offset: -1.378 ms

Below is generated by plot.py at 2018-06-20 09:21:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 210.78 Mbit/s
95th percentile per-packet one-way delay: 52.227 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 210.78 Mbit/s
95th percentile per-packet one-way delay: 52.227 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-06-20 08:14:16

End at: 2018-06-20 08:14:46

Local clock offset: 0.077 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-06-20 09:21:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 195.36 Mbit/s

95th percentile per-packet one-way delay: 53.642 ms

Loss rate: 0.00%

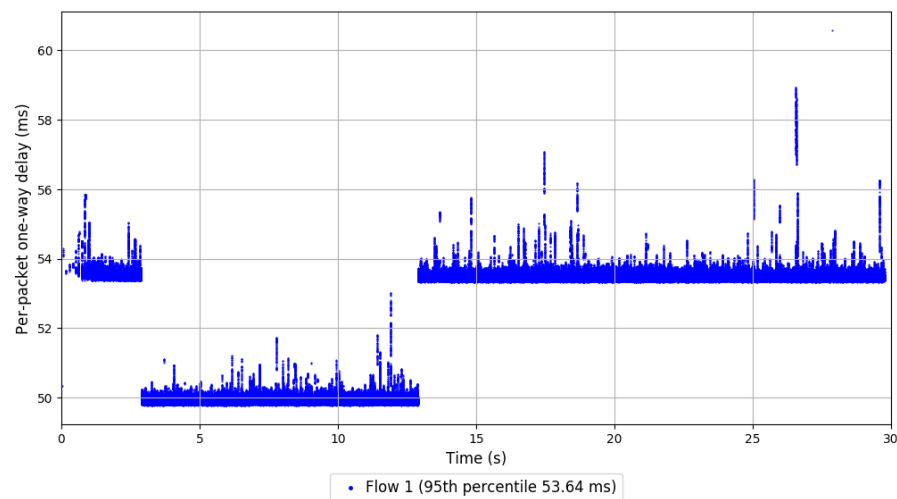
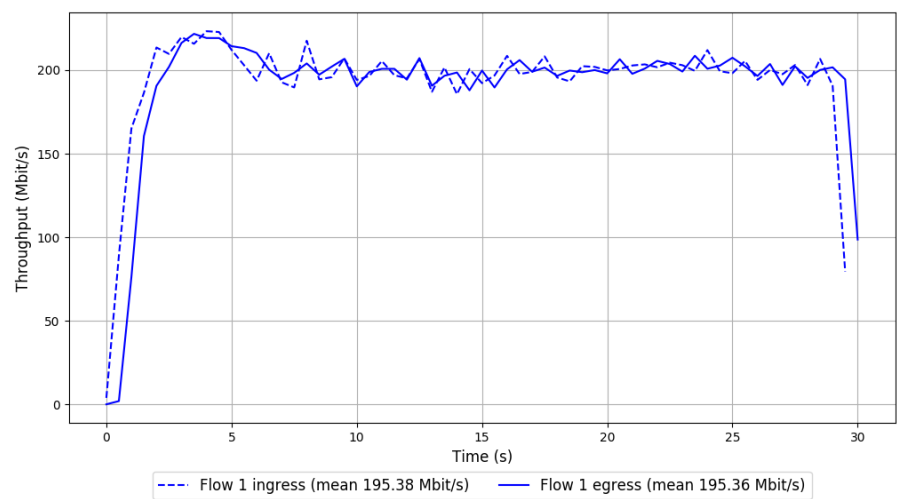
-- Flow 1:

Average throughput: 195.36 Mbit/s

95th percentile per-packet one-way delay: 53.642 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

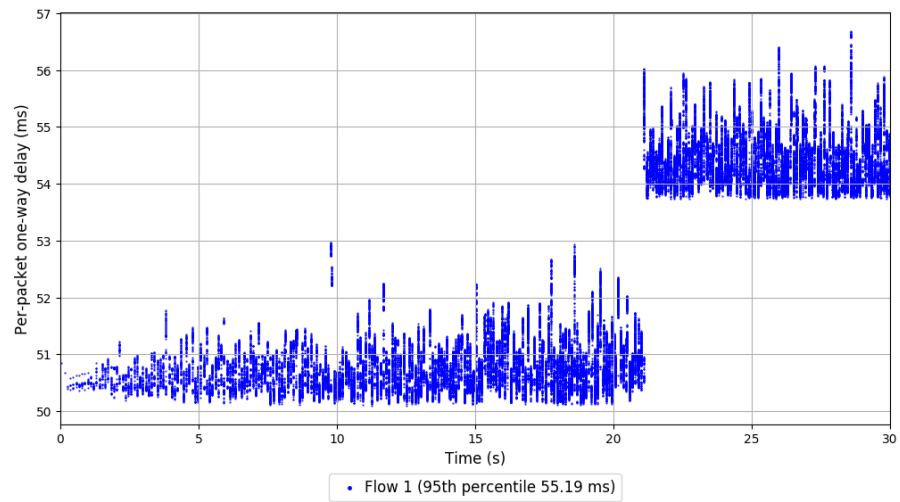
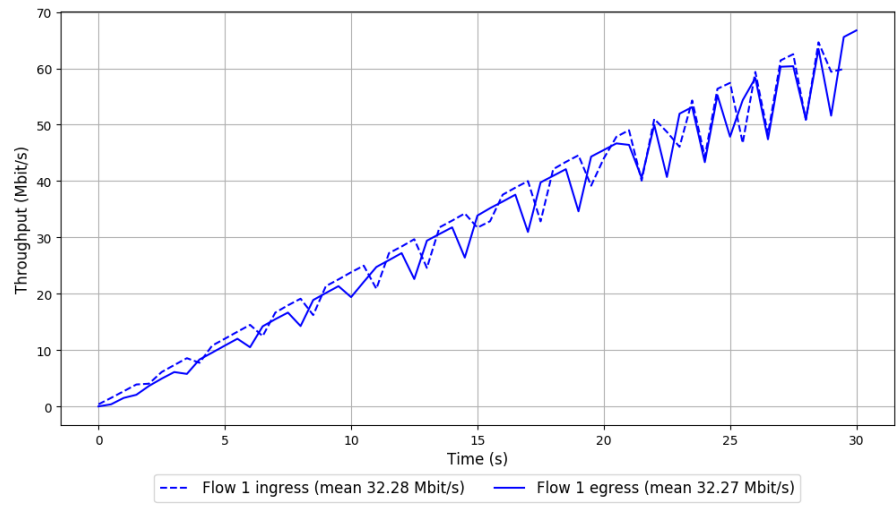


```
Run 1: Statistics of LEDBAT

Start at: 2018-06-20 05:00:08
End at: 2018-06-20 05:00:38
Local clock offset: -0.093 ms
Remote clock offset: 0.157 ms

# Below is generated by plot.py at 2018-06-20 09:21:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.27 Mbit/s
95th percentile per-packet one-way delay: 55.185 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.27 Mbit/s
95th percentile per-packet one-way delay: 55.185 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

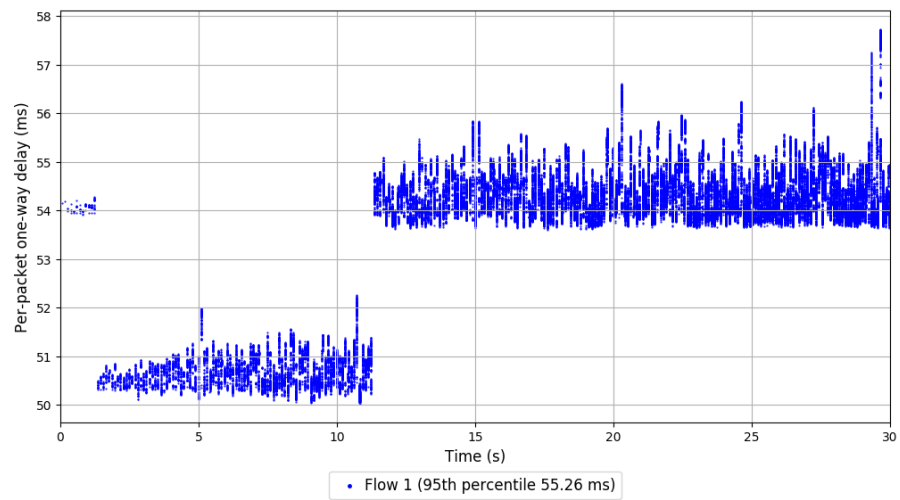
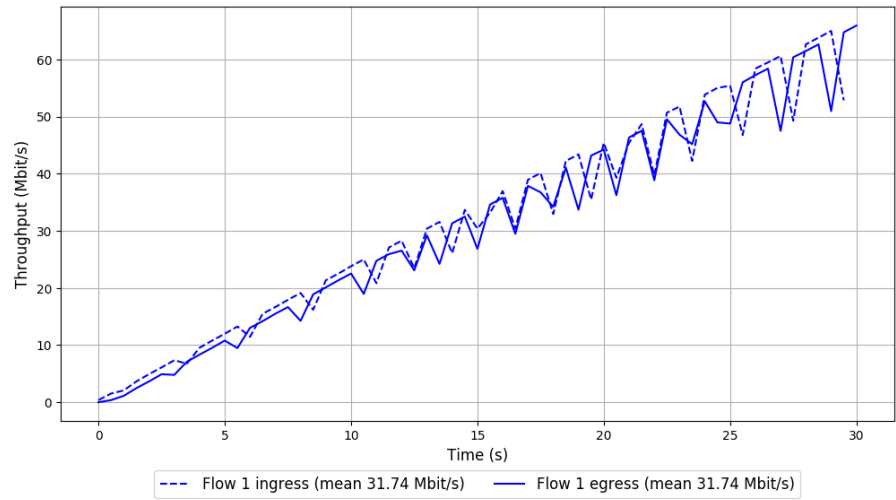


```
Run 2: Statistics of LEDBAT

Start at: 2018-06-20 05:20:38
End at: 2018-06-20 05:21:08
Local clock offset: -0.087 ms
Remote clock offset: 0.046 ms

# Below is generated by plot.py at 2018-06-20 09:21:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.74 Mbit/s
95th percentile per-packet one-way delay: 55.255 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 31.74 Mbit/s
95th percentile per-packet one-way delay: 55.255 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link

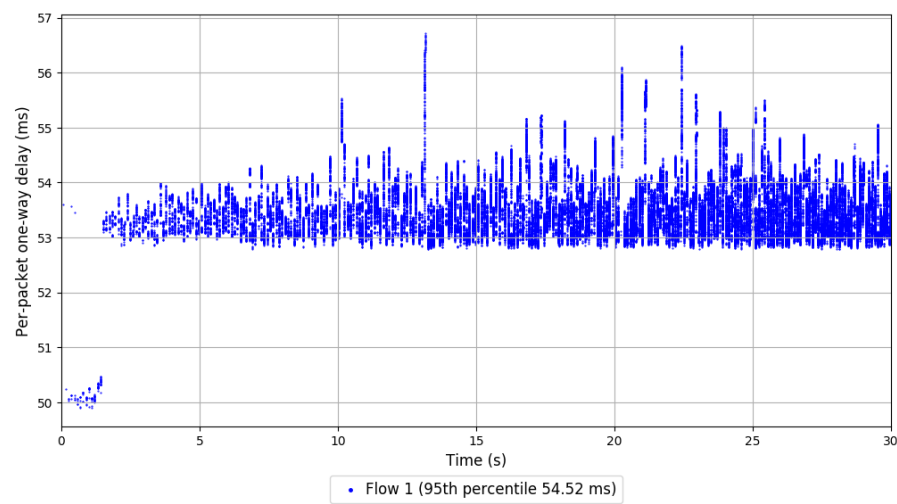
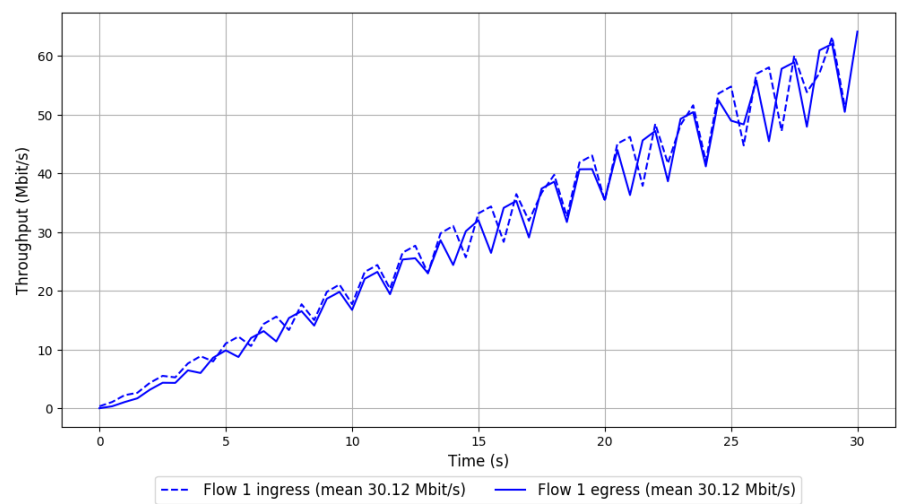


Run 3: Statistics of LEDBAT

Start at: 2018-06-20 05:40:48
End at: 2018-06-20 05:41:18
Local clock offset: 0.184 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-06-20 09:21:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 30.12 Mbit/s
95th percentile per-packet one-way delay: 54.522 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 30.12 Mbit/s
95th percentile per-packet one-way delay: 54.522 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

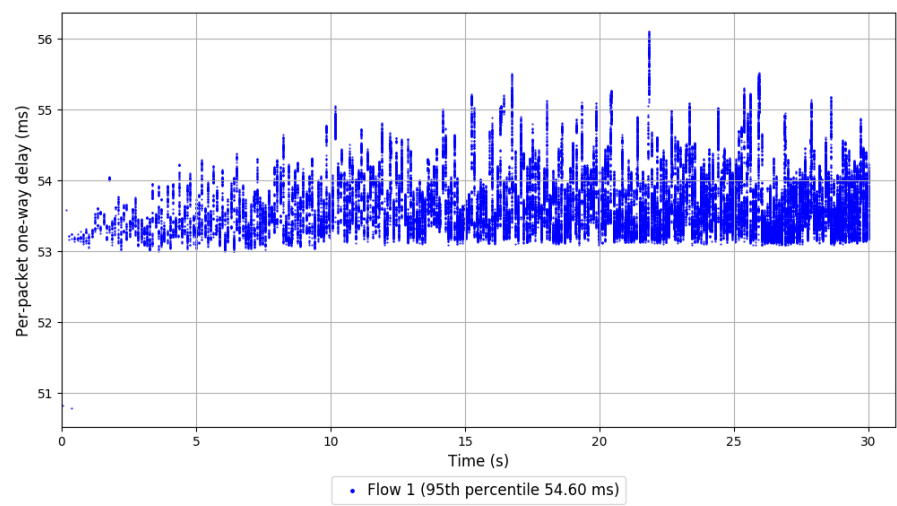
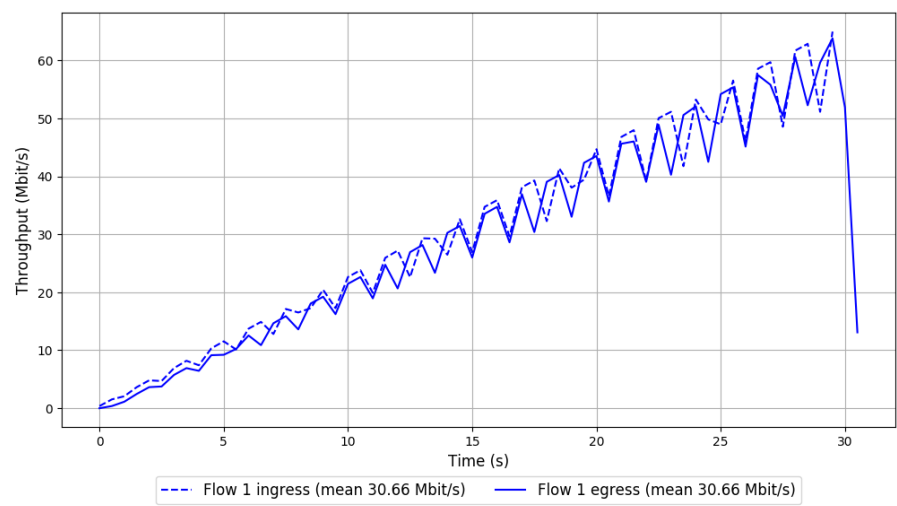


Run 4: Statistics of LEDBAT

Start at: 2018-06-20 06:01:00
End at: 2018-06-20 06:01:30
Local clock offset: 0.051 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-06-20 09:21:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 30.66 Mbit/s
95th percentile per-packet one-way delay: 54.596 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 30.66 Mbit/s
95th percentile per-packet one-way delay: 54.596 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-06-20 06:21:39

End at: 2018-06-20 06:22:09

Local clock offset: 0.137 ms

Remote clock offset: 0.216 ms

Below is generated by plot.py at 2018-06-20 09:21:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.43 Mbit/s

95th percentile per-packet one-way delay: 54.475 ms

Loss rate: 0.00%

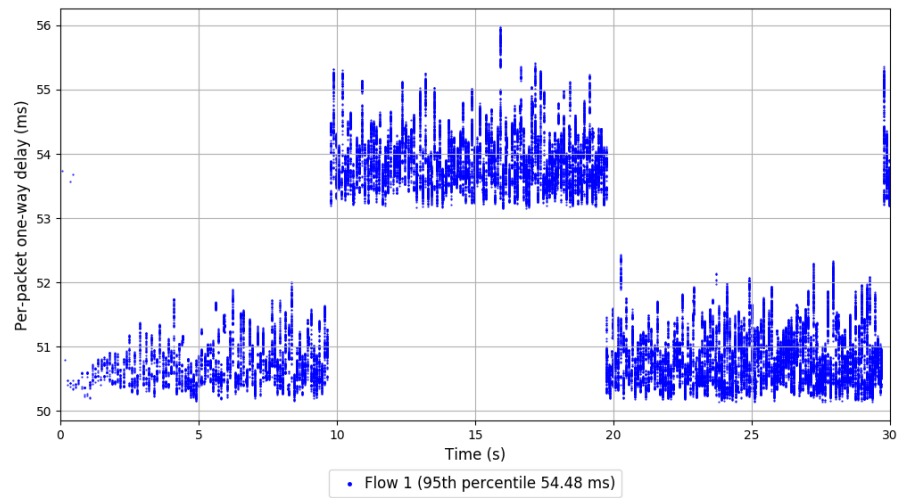
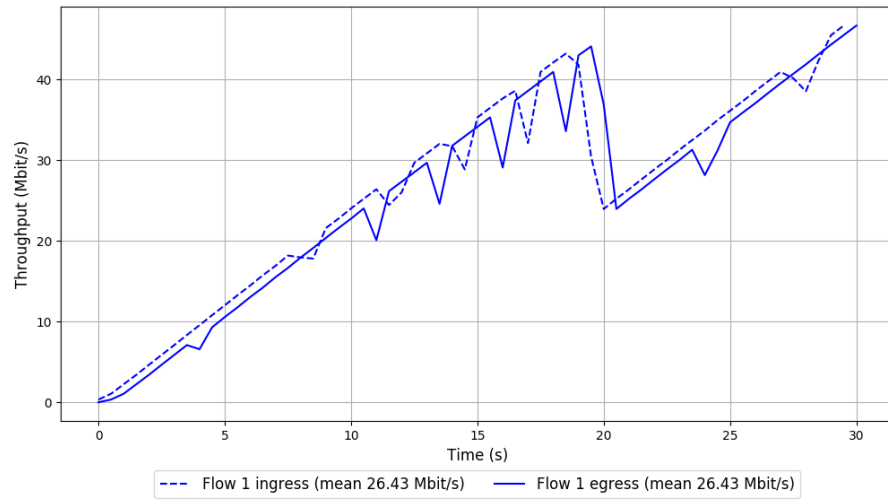
-- Flow 1:

Average throughput: 26.43 Mbit/s

95th percentile per-packet one-way delay: 54.475 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

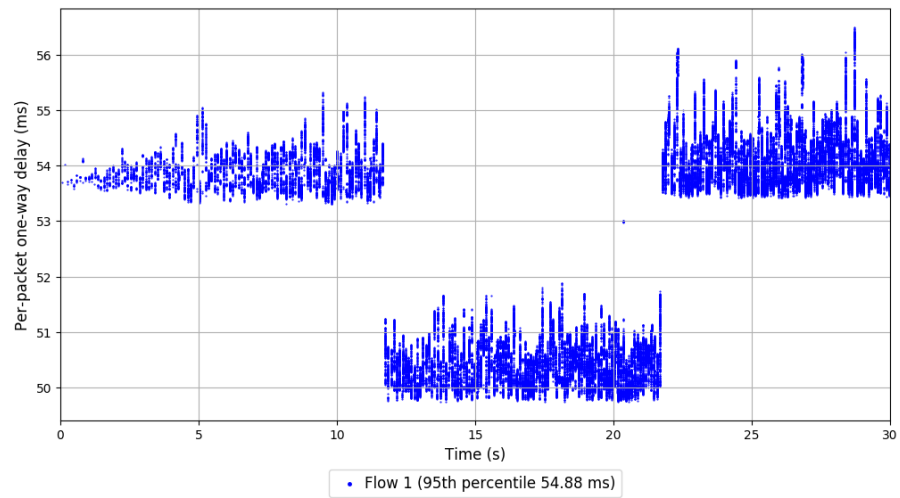
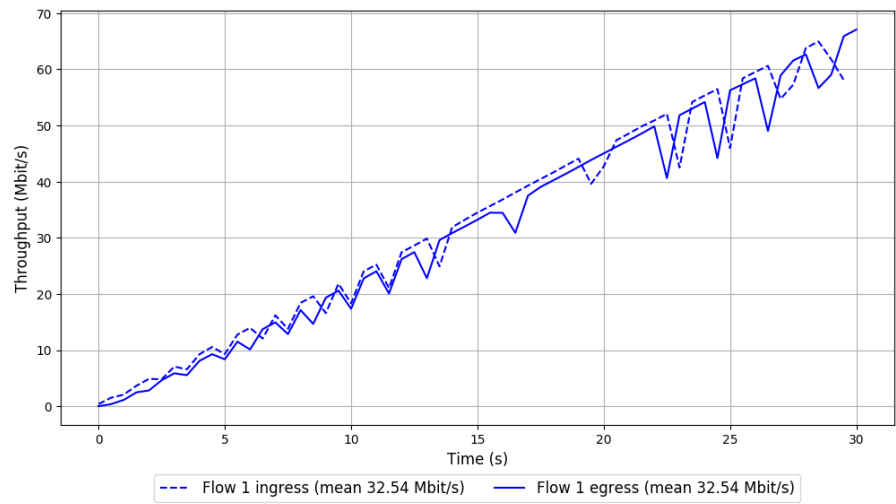


Run 6: Statistics of LEDBAT

Start at: 2018-06-20 06:41:57
End at: 2018-06-20 06:42:27
Local clock offset: 0.154 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-06-20 09:21:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.54 Mbit/s
95th percentile per-packet one-way delay: 54.878 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.54 Mbit/s
95th percentile per-packet one-way delay: 54.878 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

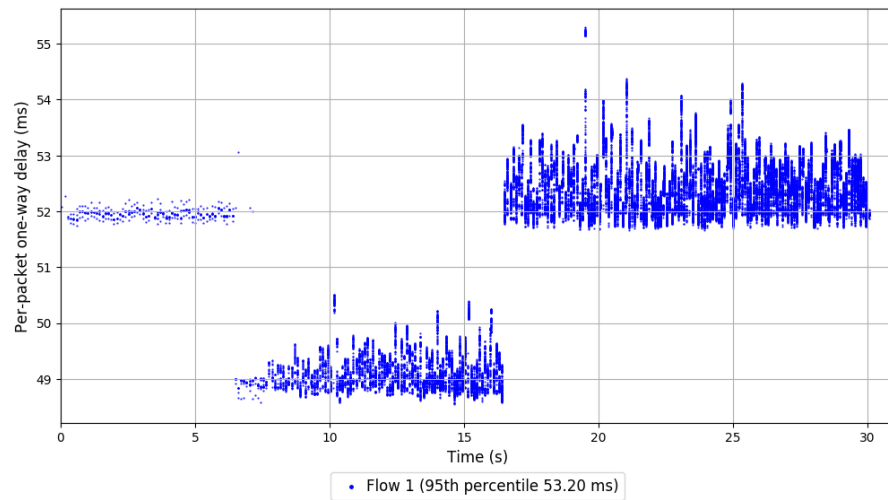
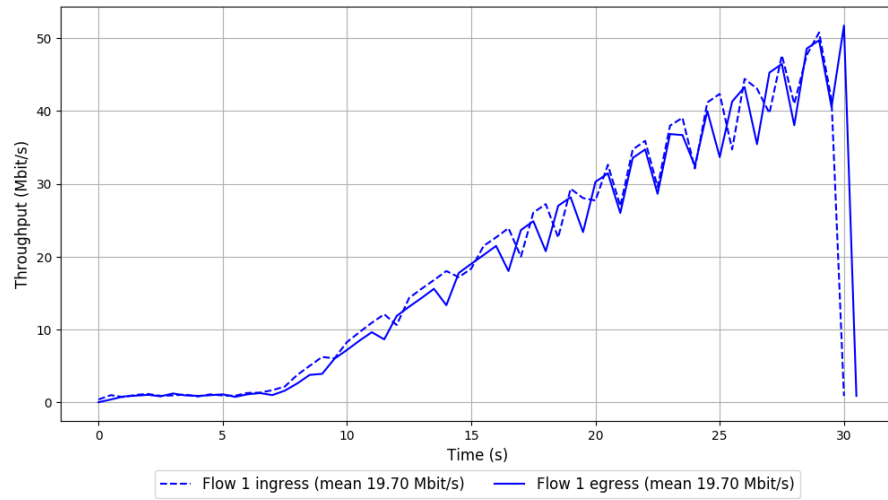


Run 7: Statistics of LEDBAT

Start at: 2018-06-20 07:02:53
End at: 2018-06-20 07:03:23
Local clock offset: 0.09 ms
Remote clock offset: -1.329 ms

Below is generated by plot.py at 2018-06-20 09:21:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.70 Mbit/s
95th percentile per-packet one-way delay: 53.199 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 19.70 Mbit/s
95th percentile per-packet one-way delay: 53.199 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-06-20 07:23:29

End at: 2018-06-20 07:23:59

Local clock offset: 0.042 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-06-20 09:21:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.05 Mbit/s

95th percentile per-packet one-way delay: 54.745 ms

Loss rate: 0.00%

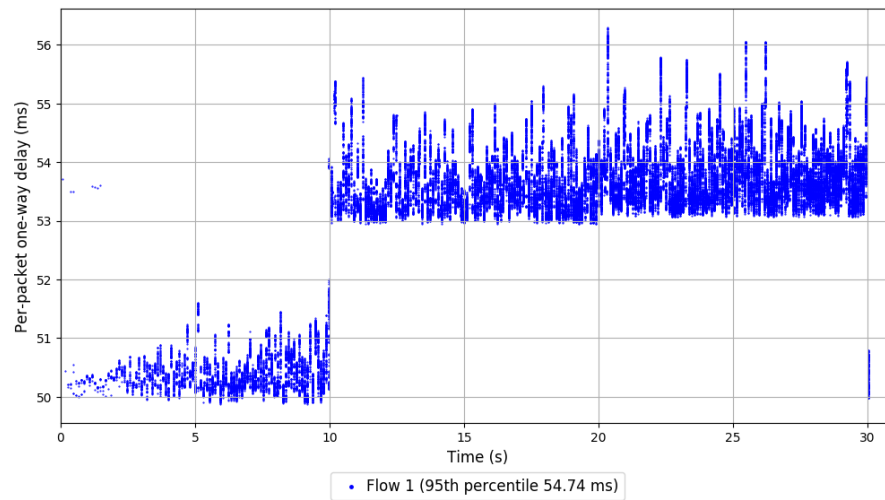
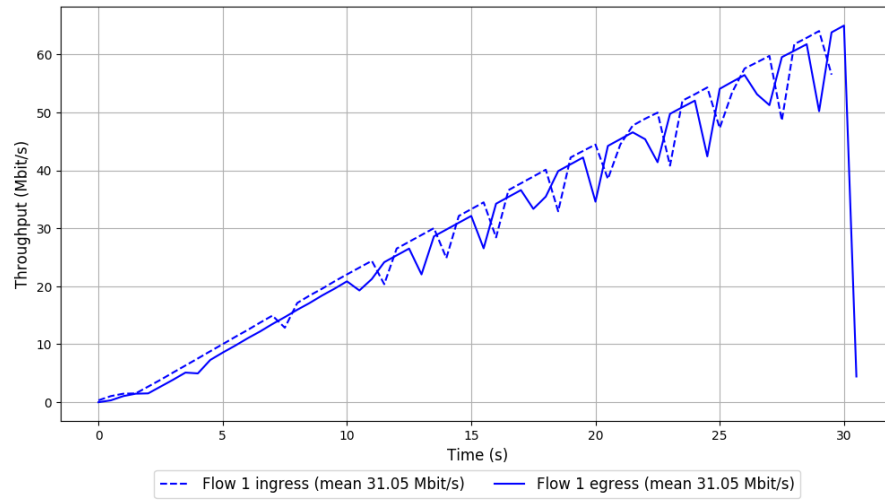
-- Flow 1:

Average throughput: 31.05 Mbit/s

95th percentile per-packet one-way delay: 54.745 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-06-20 07:43:39

End at: 2018-06-20 07:44:09

Local clock offset: -0.194 ms

Remote clock offset: 0.108 ms

Below is generated by plot.py at 2018-06-20 09:21:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.49 Mbit/s

95th percentile per-packet one-way delay: 55.355 ms

Loss rate: 0.00%

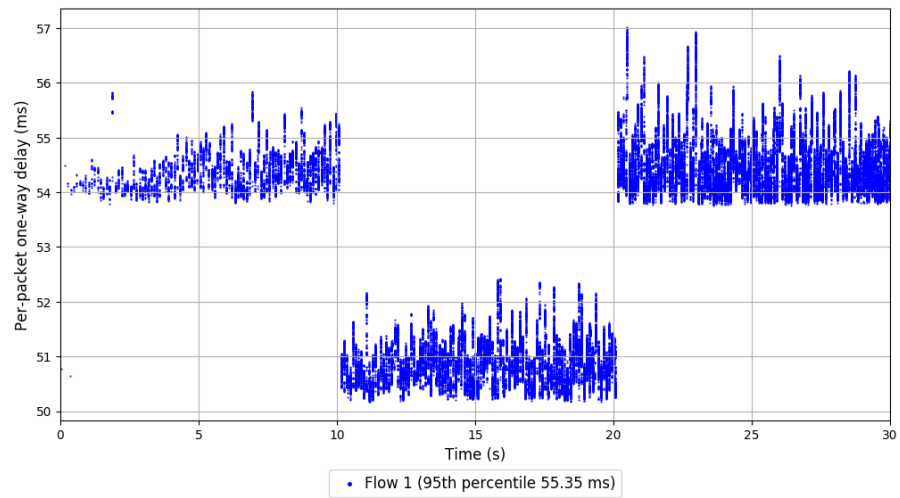
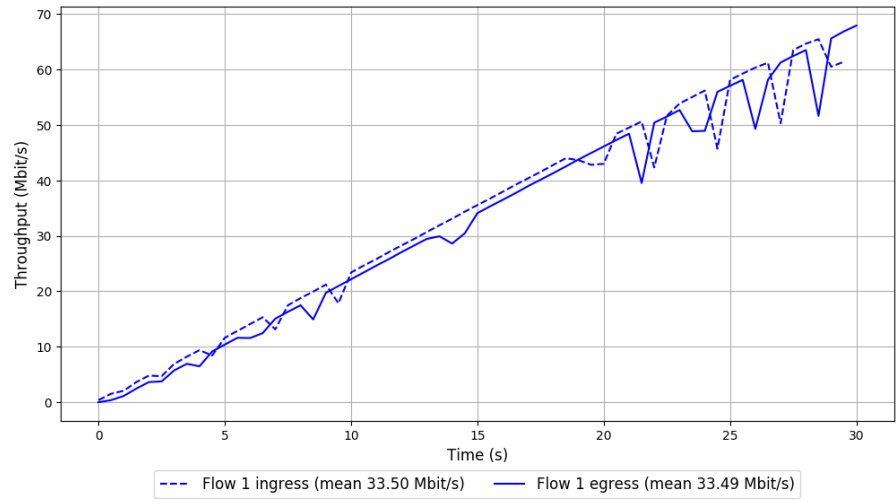
-- Flow 1:

Average throughput: 33.49 Mbit/s

95th percentile per-packet one-way delay: 55.355 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-06-20 08:03:56

End at: 2018-06-20 08:04:26

Local clock offset: 0.009 ms

Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-06-20 09:21:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.53 Mbit/s

95th percentile per-packet one-way delay: 54.843 ms

Loss rate: 0.00%

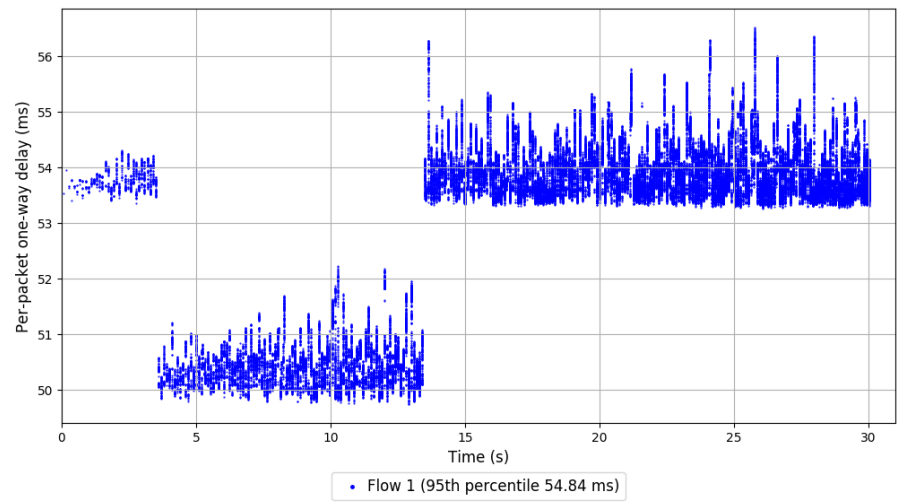
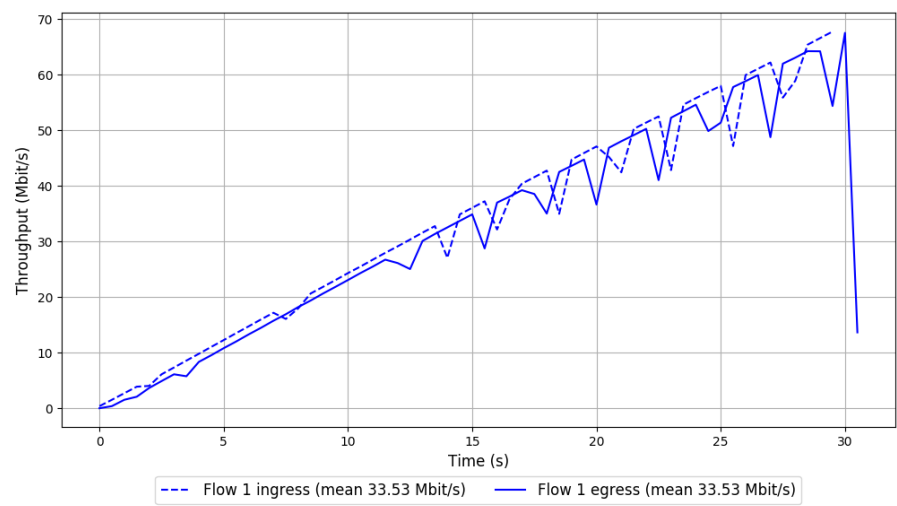
-- Flow 1:

Average throughput: 33.53 Mbit/s

95th percentile per-packet one-way delay: 54.843 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-06-20 04:57:35

End at: 2018-06-20 04:58:05

Local clock offset: 0.071 ms

Remote clock offset: -1.391 ms

Below is generated by plot.py at 2018-06-20 09:21:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 601.81 Mbit/s

95th percentile per-packet one-way delay: 96.406 ms

Loss rate: 0.12%

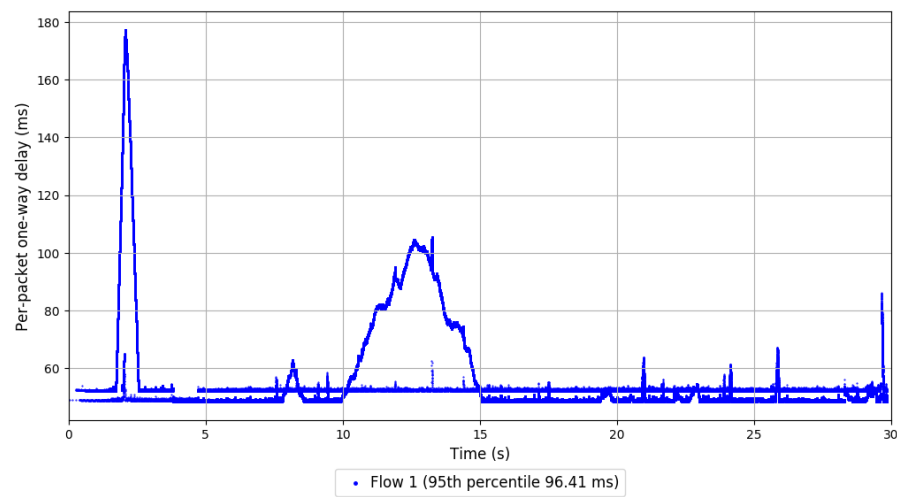
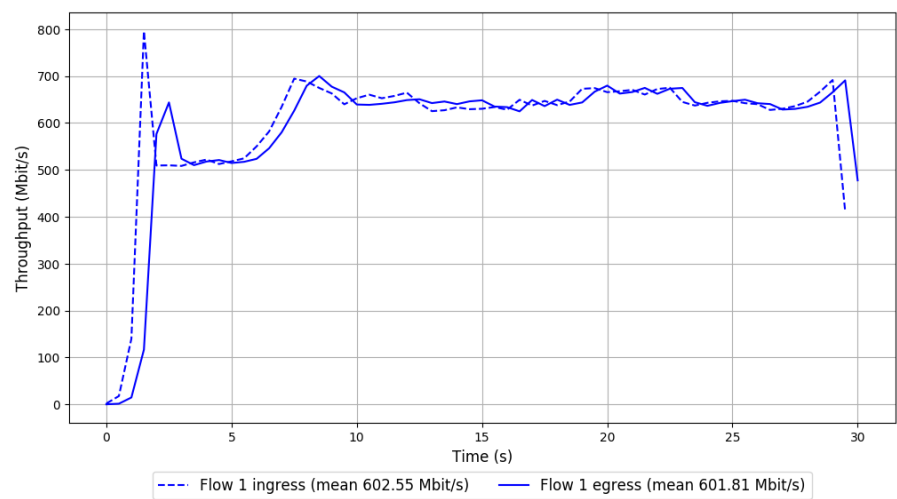
-- Flow 1:

Average throughput: 601.81 Mbit/s

95th percentile per-packet one-way delay: 96.406 ms

Loss rate: 0.12%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-06-20 05:18:07

End at: 2018-06-20 05:18:37

Local clock offset: 0.116 ms

Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-06-20 09:21:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 540.93 Mbit/s

95th percentile per-packet one-way delay: 193.643 ms

Loss rate: 1.39%

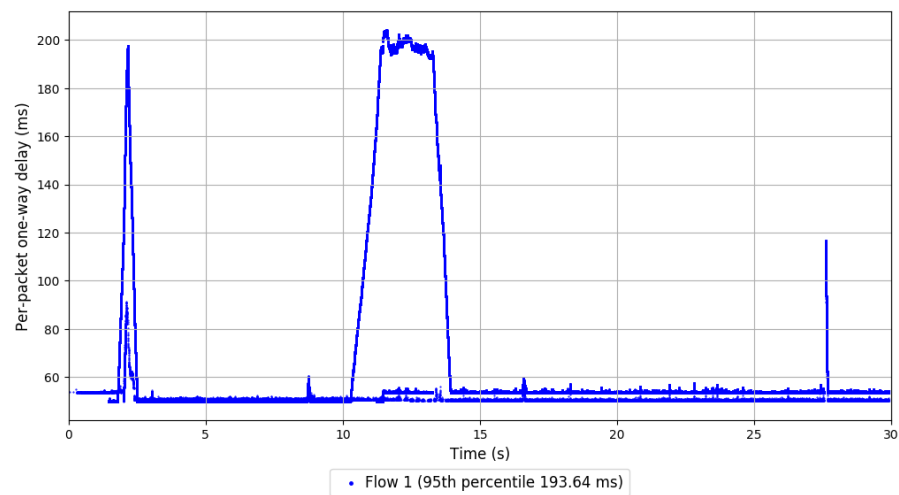
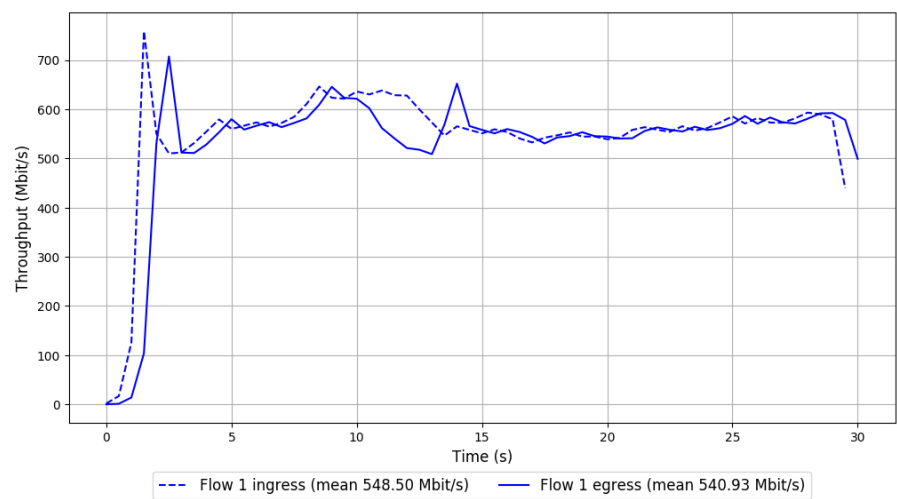
-- Flow 1:

Average throughput: 540.93 Mbit/s

95th percentile per-packet one-way delay: 193.643 ms

Loss rate: 1.39%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-06-20 05:38:17

End at: 2018-06-20 05:38:47

Local clock offset: 0.162 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2018-06-20 09:21:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 536.90 Mbit/s

95th percentile per-packet one-way delay: 199.556 ms

Loss rate: 4.59%

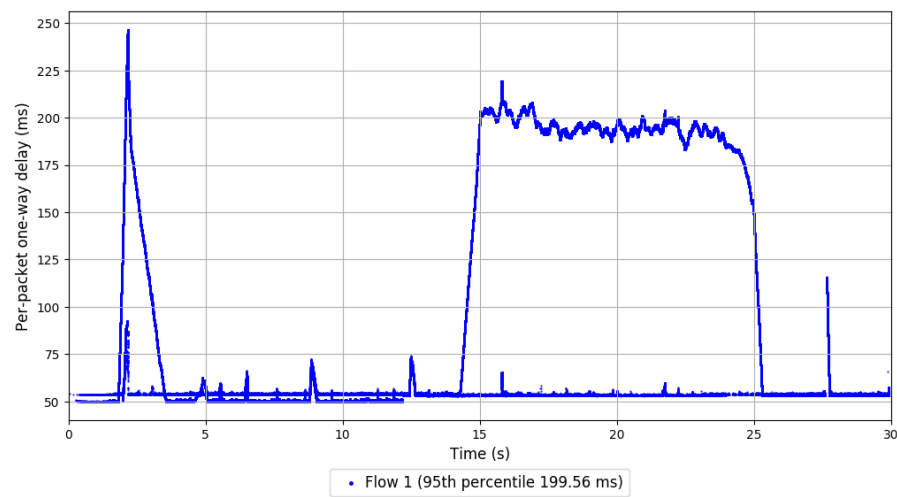
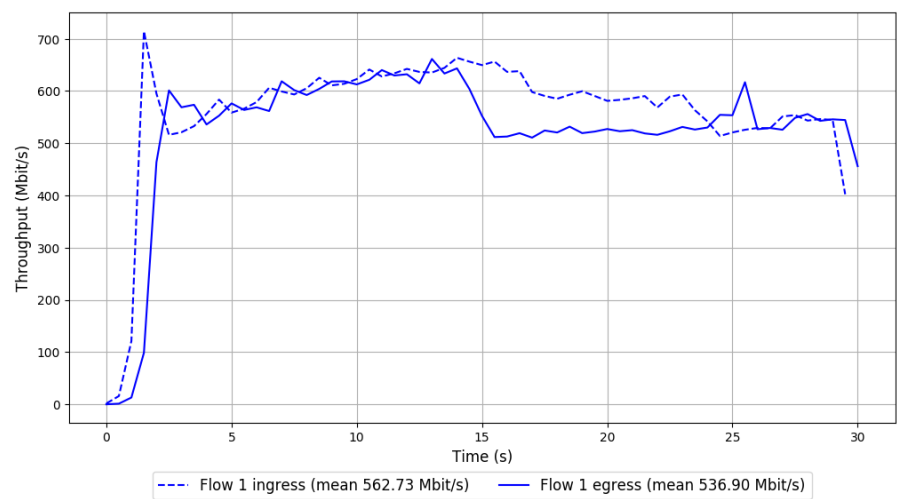
-- Flow 1:

Average throughput: 536.90 Mbit/s

95th percentile per-packet one-way delay: 199.556 ms

Loss rate: 4.59%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-06-20 05:58:27

End at: 2018-06-20 05:58:57

Local clock offset: 0.17 ms

Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-06-20 09:21:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 594.19 Mbit/s

95th percentile per-packet one-way delay: 89.571 ms

Loss rate: 0.26%

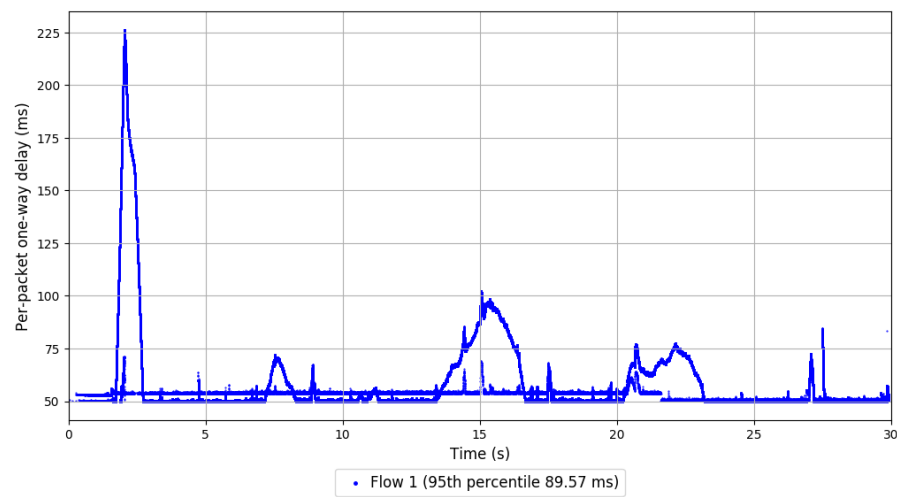
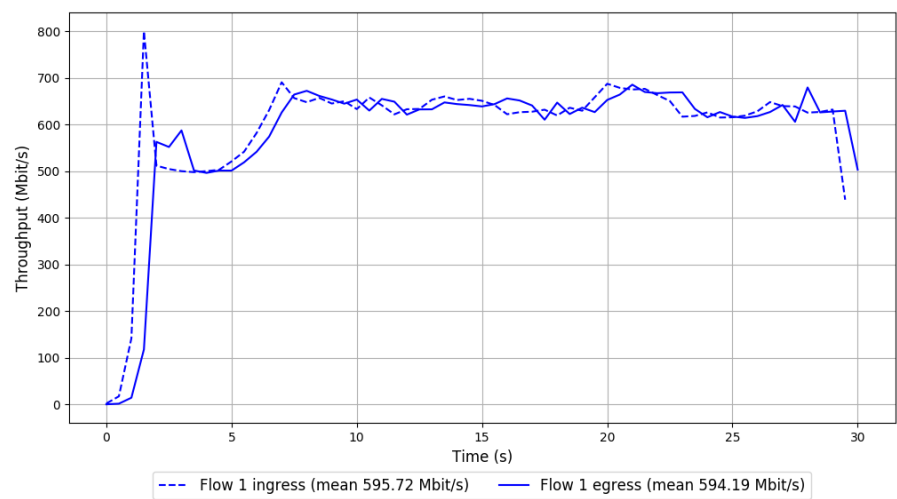
-- Flow 1:

Average throughput: 594.19 Mbit/s

95th percentile per-packet one-way delay: 89.571 ms

Loss rate: 0.26%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-06-20 06:19:08

End at: 2018-06-20 06:19:38

Local clock offset: -0.054 ms

Remote clock offset: -1.27 ms

Below is generated by plot.py at 2018-06-20 09:21:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 579.56 Mbit/s

95th percentile per-packet one-way delay: 59.047 ms

Loss rate: 0.18%

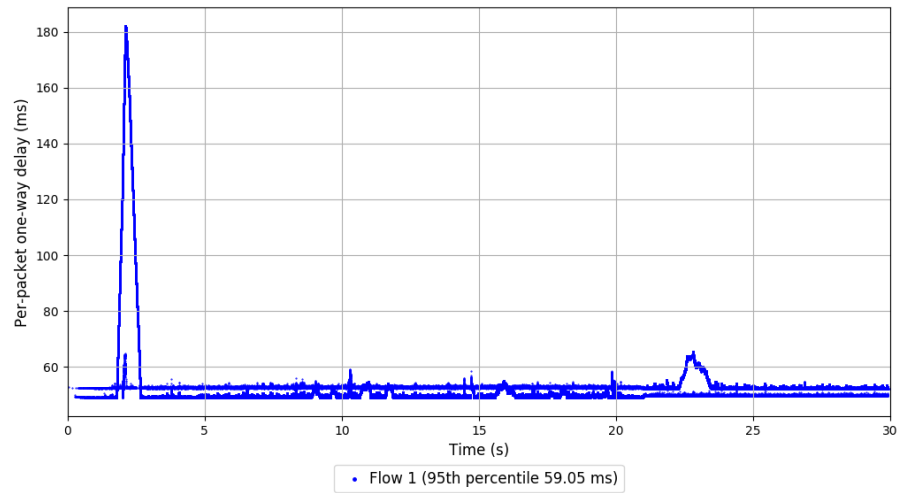
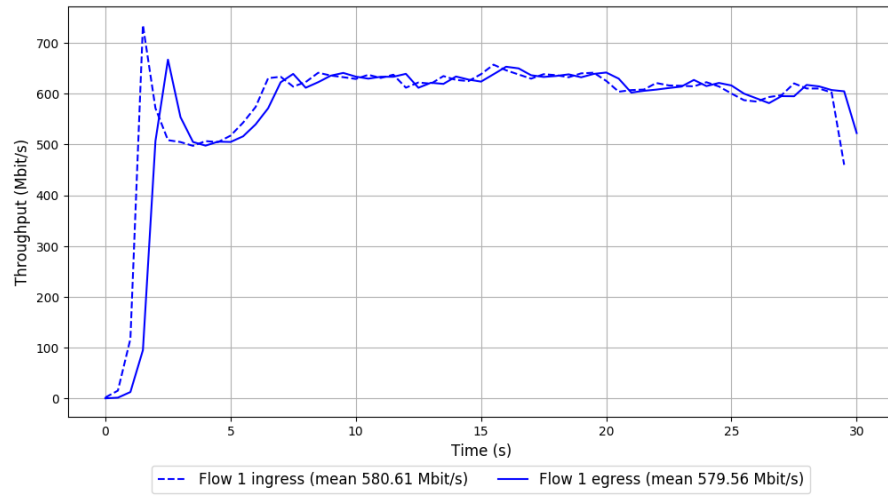
-- Flow 1:

Average throughput: 579.56 Mbit/s

95th percentile per-packet one-way delay: 59.047 ms

Loss rate: 0.18%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-06-20 06:39:29

End at: 2018-06-20 06:40:00

Local clock offset: -0.142 ms

Remote clock offset: -1.306 ms

Below is generated by plot.py at 2018-06-20 09:21:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 482.80 Mbit/s

95th percentile per-packet one-way delay: 53.290 ms

Loss rate: 0.17%

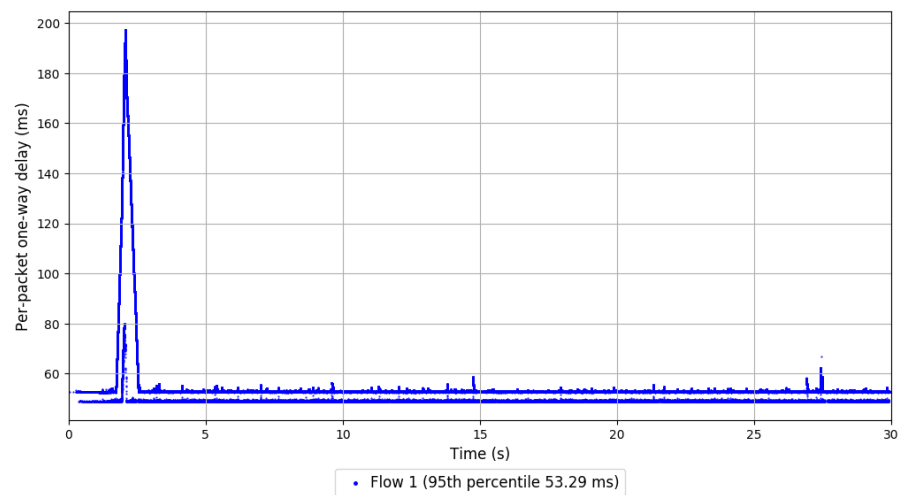
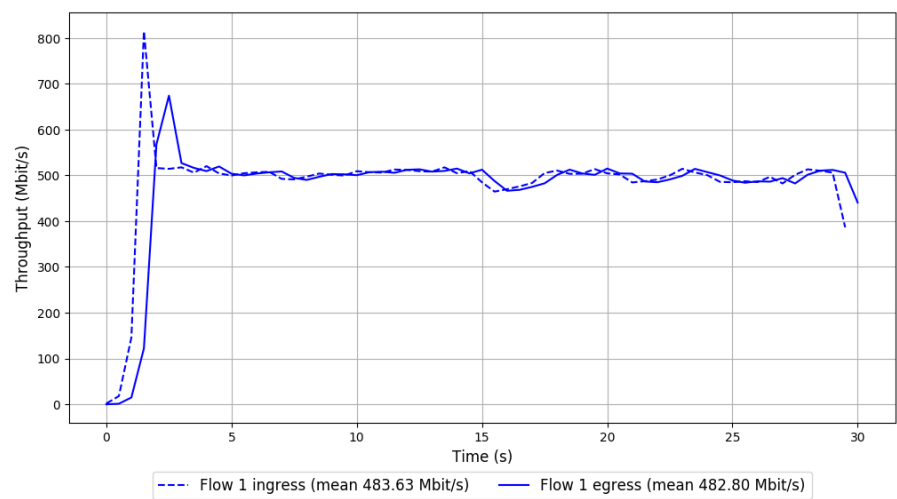
-- Flow 1:

Average throughput: 482.80 Mbit/s

95th percentile per-packet one-way delay: 53.290 ms

Loss rate: 0.17%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-06-20 07:00:22

End at: 2018-06-20 07:00:52

Local clock offset: -0.178 ms

Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-06-20 09:30:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 563.53 Mbit/s

95th percentile per-packet one-way delay: 97.757 ms

Loss rate: 0.28%

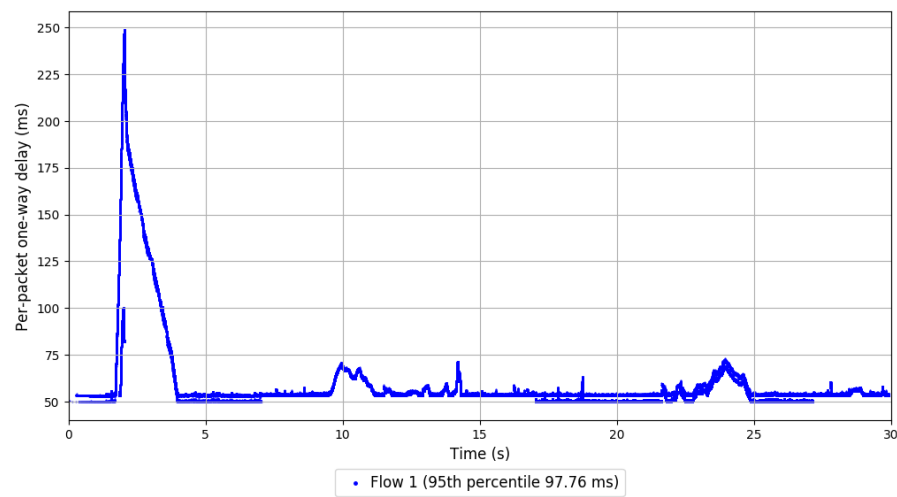
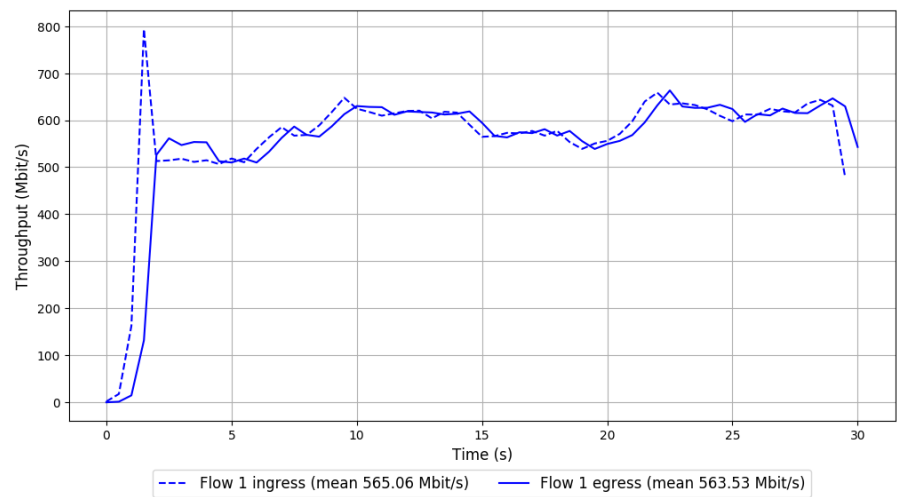
-- Flow 1:

Average throughput: 563.53 Mbit/s

95th percentile per-packet one-way delay: 97.757 ms

Loss rate: 0.28%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-06-20 07:20:57

End at: 2018-06-20 07:21:27

Local clock offset: 0.021 ms

Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-06-20 09:30:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 602.05 Mbit/s

95th percentile per-packet one-way delay: 89.090 ms

Loss rate: 0.11%

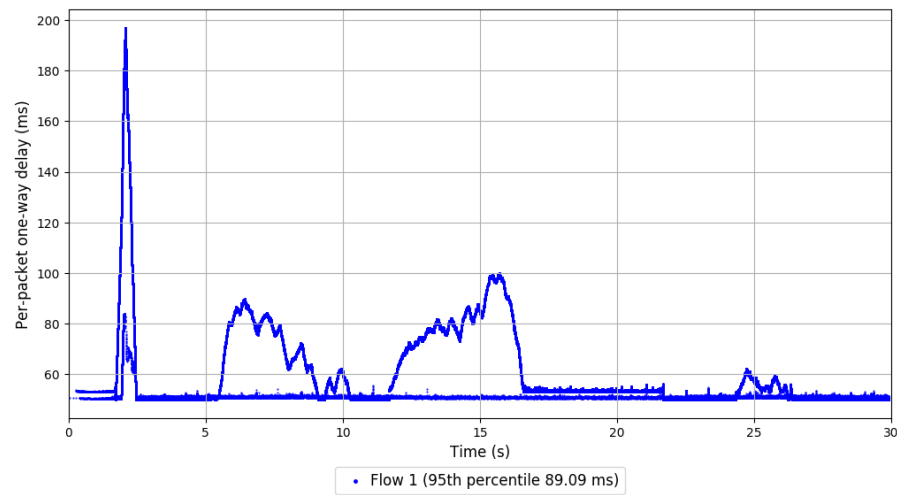
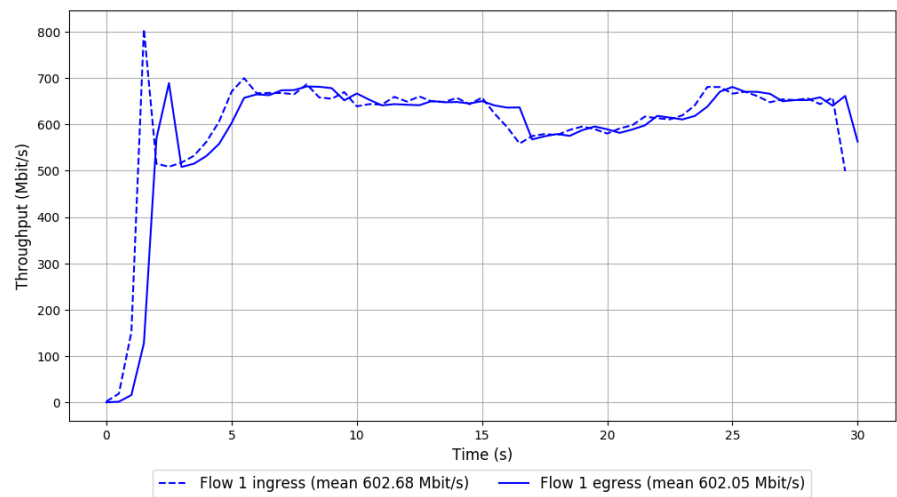
-- Flow 1:

Average throughput: 602.05 Mbit/s

95th percentile per-packet one-way delay: 89.090 ms

Loss rate: 0.11%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-06-20 07:41:10

End at: 2018-06-20 07:41:41

Local clock offset: 0.01 ms

Remote clock offset: -0.176 ms

Below is generated by plot.py at 2018-06-20 09:30:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 496.68 Mbit/s

95th percentile per-packet one-way delay: 101.295 ms

Loss rate: 0.30%

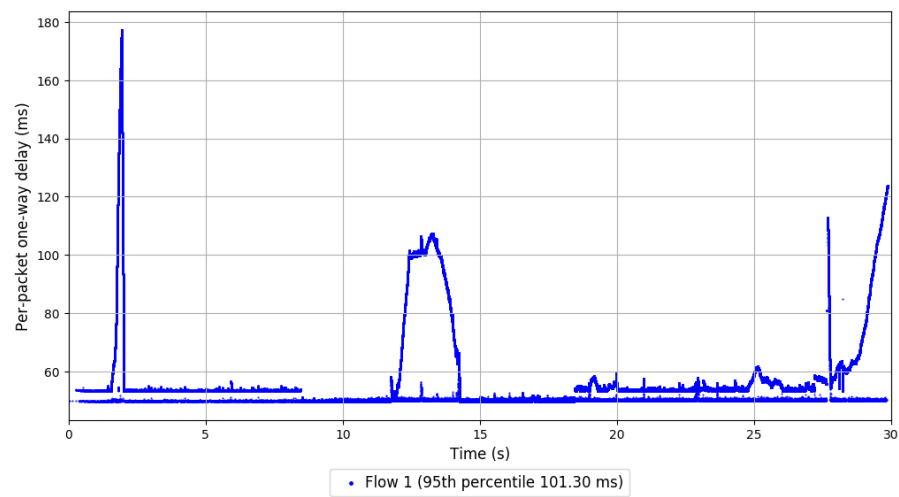
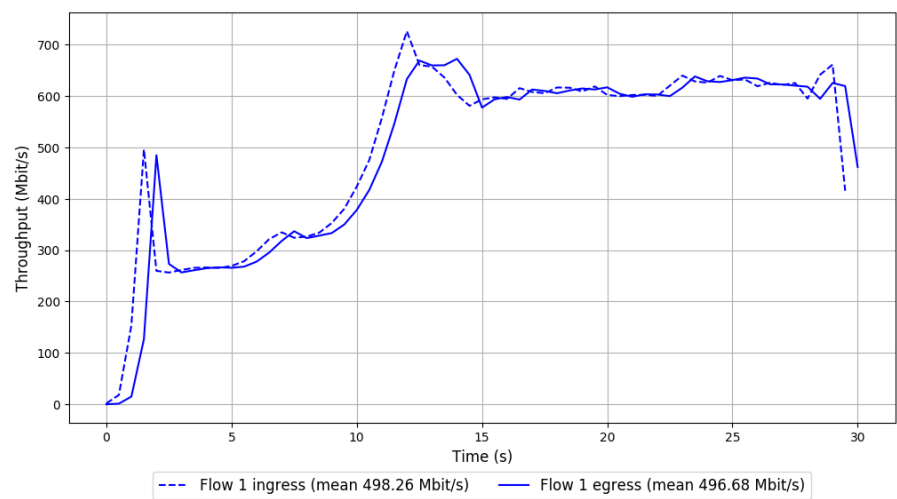
-- Flow 1:

Average throughput: 496.68 Mbit/s

95th percentile per-packet one-way delay: 101.295 ms

Loss rate: 0.30%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-06-20 08:01:24

End at: 2018-06-20 08:01:54

Local clock offset: -0.22 ms

Remote clock offset: -0.292 ms

Below is generated by plot.py at 2018-06-20 09:31:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 601.13 Mbit/s

95th percentile per-packet one-way delay: 64.536 ms

Loss rate: 0.08%

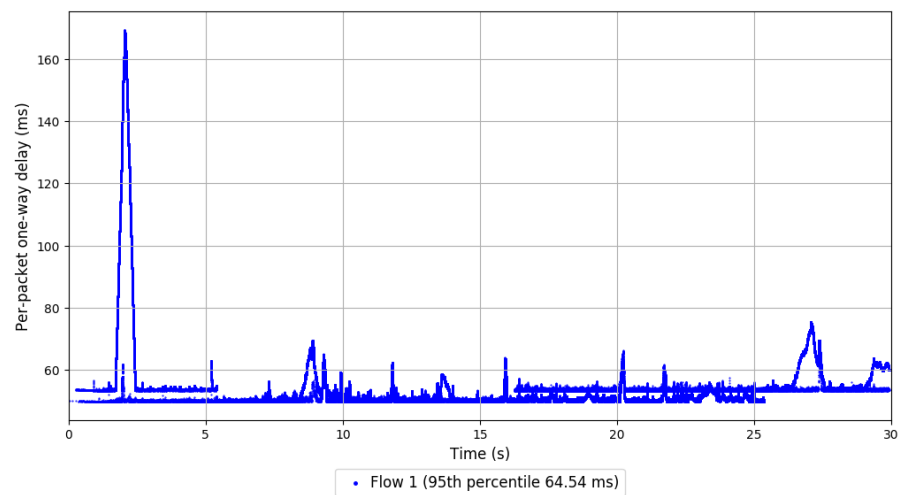
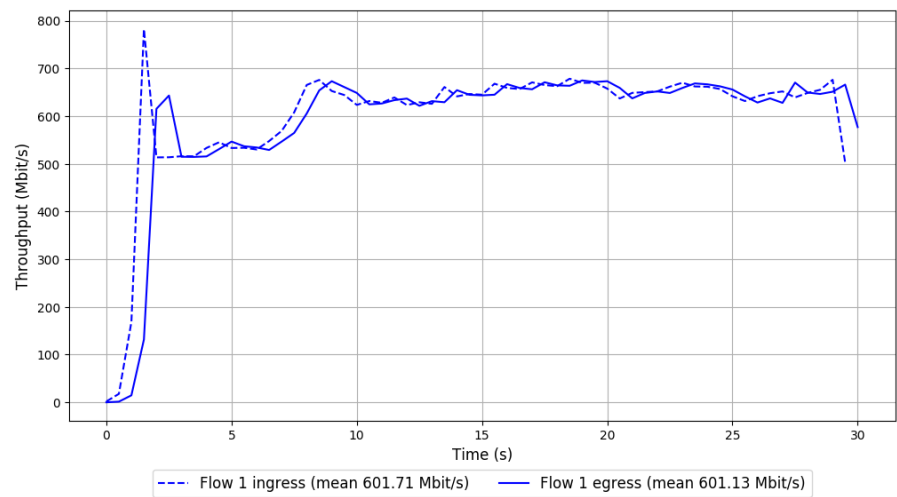
-- Flow 1:

Average throughput: 601.13 Mbit/s

95th percentile per-packet one-way delay: 64.536 ms

Loss rate: 0.08%

Run 10: Report of PCC-Allegro — Data Link

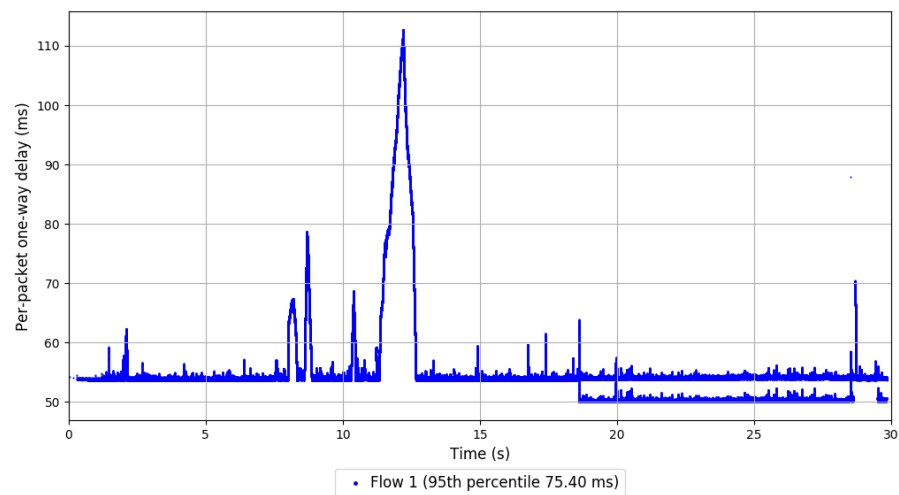
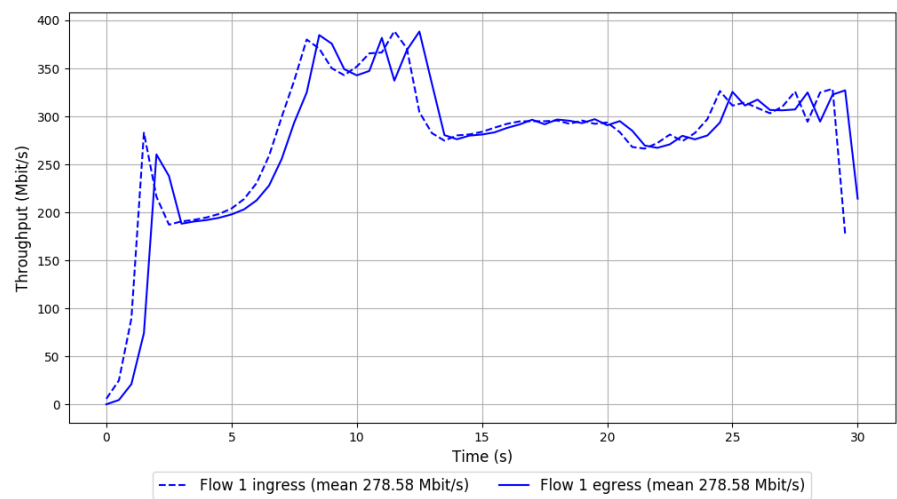


Run 1: Statistics of PCC-Expr

Start at: 2018-06-20 05:16:40
End at: 2018-06-20 05:17:10
Local clock offset: -0.351 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2018-06-20 09:31:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 278.58 Mbit/s
95th percentile per-packet one-way delay: 75.400 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 278.58 Mbit/s
95th percentile per-packet one-way delay: 75.400 ms
Loss rate: 0.00%

Run 1: Report of PCC-Expr — Data Link

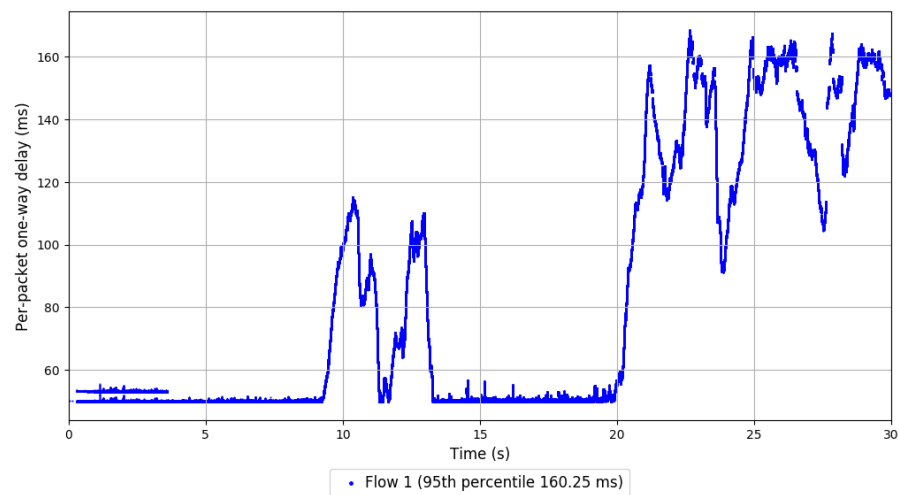
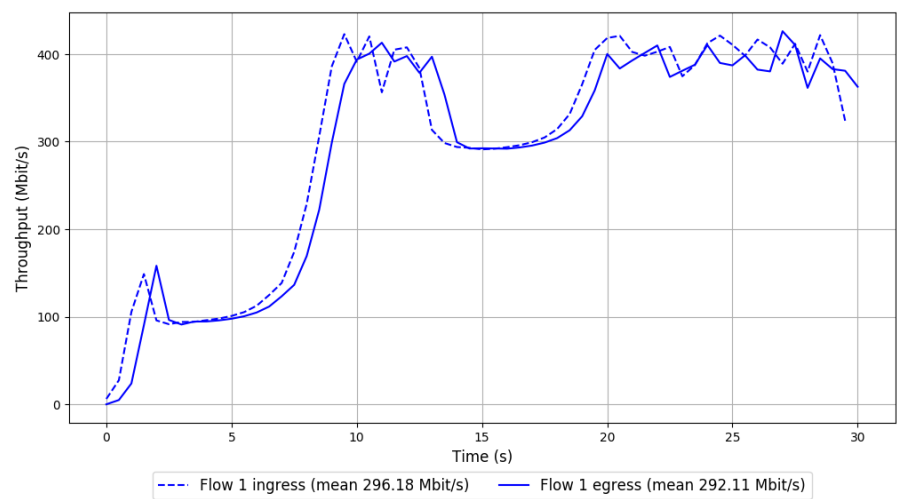


Run 2: Statistics of PCC-Expr

Start at: 2018-06-20 05:36:45
End at: 2018-06-20 05:37:15
Local clock offset: 0.046 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-06-20 09:31:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 292.11 Mbit/s
95th percentile per-packet one-way delay: 160.245 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 292.11 Mbit/s
95th percentile per-packet one-way delay: 160.245 ms
Loss rate: 1.38%

Run 2: Report of PCC-Expr — Data Link

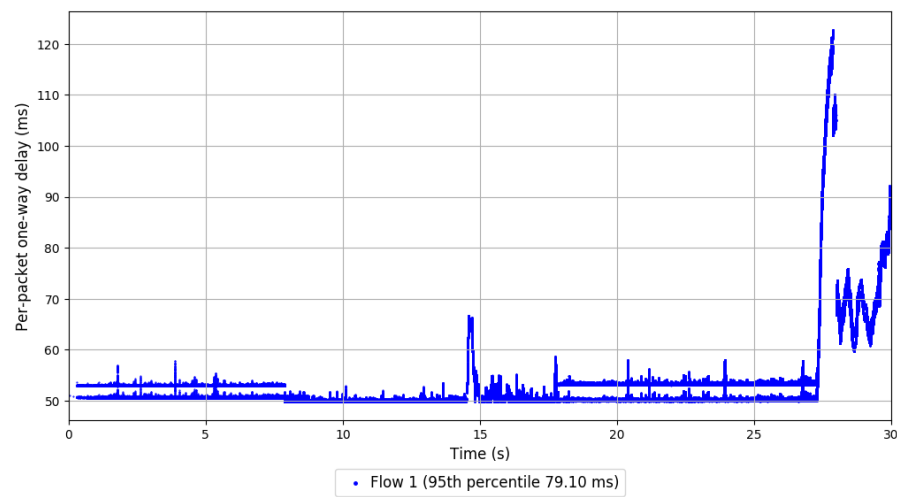
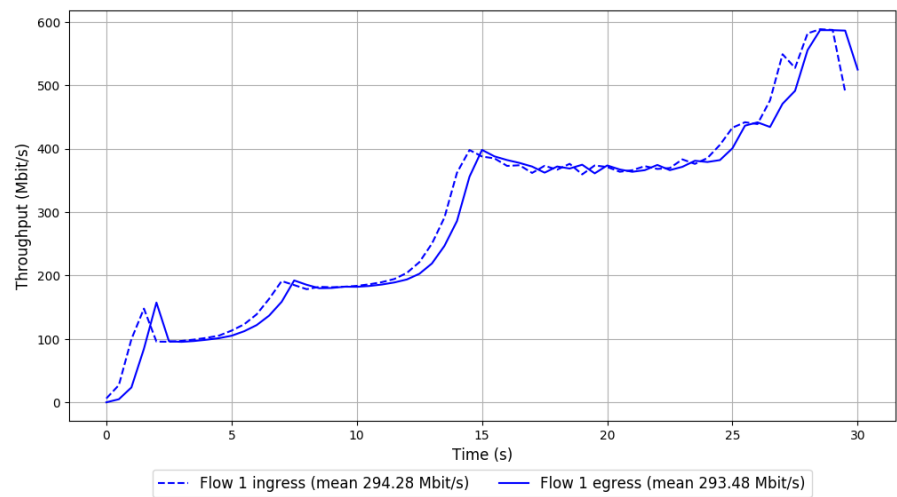


Run 3: Statistics of PCC-Expr

Start at: 2018-06-20 05:57:01
End at: 2018-06-20 05:57:31
Local clock offset: 0.034 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-06-20 09:31:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 293.48 Mbit/s
95th percentile per-packet one-way delay: 79.104 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 293.48 Mbit/s
95th percentile per-packet one-way delay: 79.104 ms
Loss rate: 0.26%

Run 3: Report of PCC-Expr — Data Link

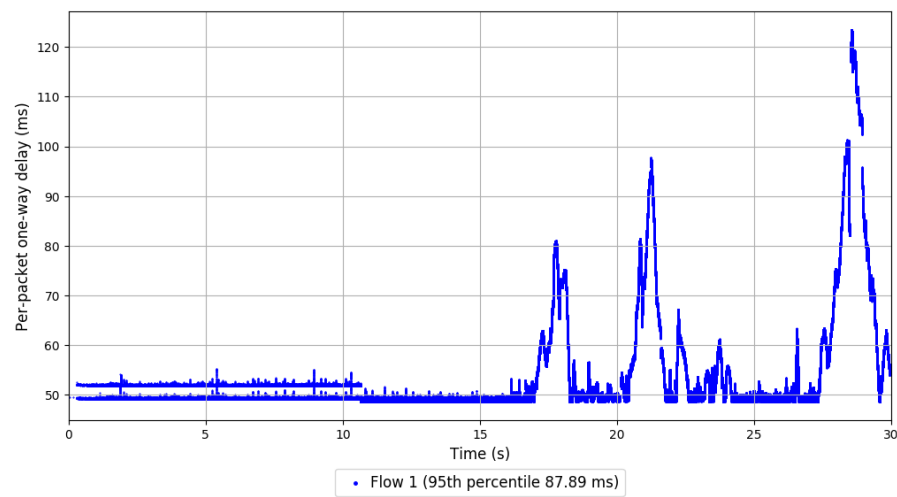
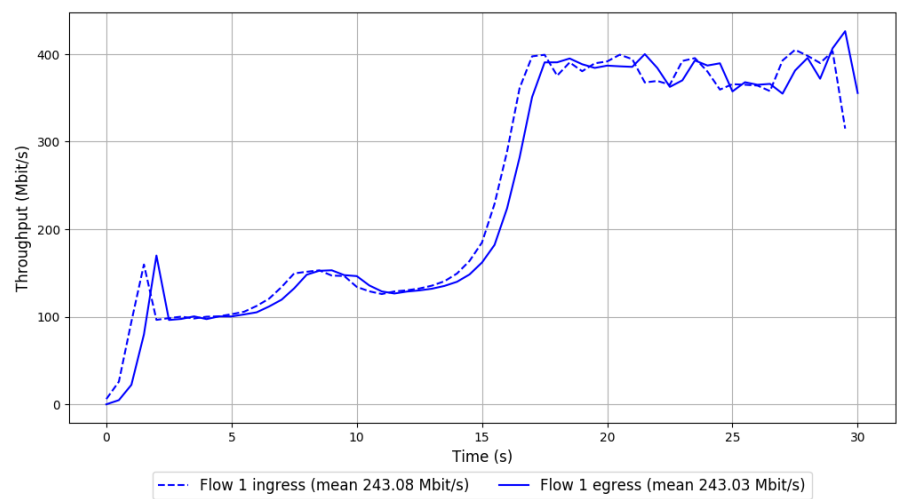


Run 4: Statistics of PCC-Expr

Start at: 2018-06-20 06:17:38
End at: 2018-06-20 06:18:08
Local clock offset: -0.049 ms
Remote clock offset: -1.395 ms

Below is generated by plot.py at 2018-06-20 09:31:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 243.03 Mbit/s
95th percentile per-packet one-way delay: 87.890 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 243.03 Mbit/s
95th percentile per-packet one-way delay: 87.890 ms
Loss rate: 0.02%

Run 4: Report of PCC-Expr — Data Link

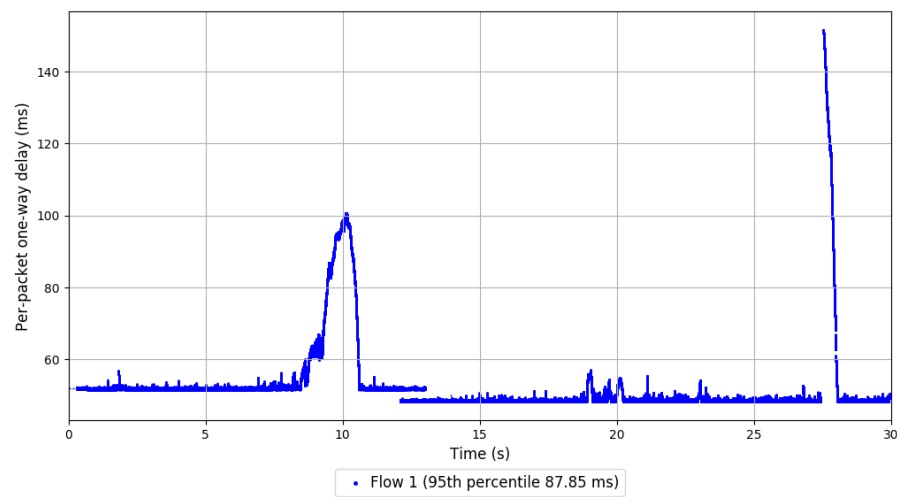
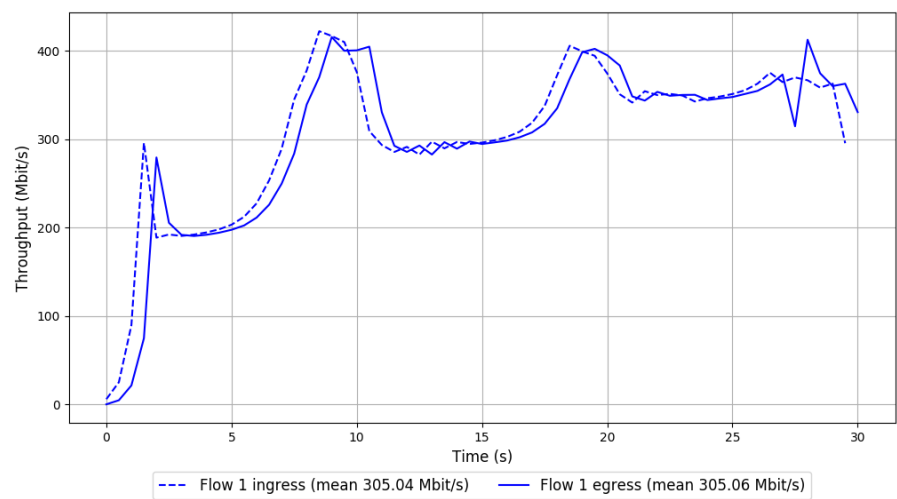


Run 5: Statistics of PCC-Expr

Start at: 2018-06-20 06:37:57
End at: 2018-06-20 06:38:27
Local clock offset: 0.179 ms
Remote clock offset: -1.492 ms

Below is generated by plot.py at 2018-06-20 09:39:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 305.06 Mbit/s
95th percentile per-packet one-way delay: 87.853 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 305.06 Mbit/s
95th percentile per-packet one-way delay: 87.853 ms
Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-06-20 06:58:48

End at: 2018-06-20 06:59:18

Local clock offset: -0.002 ms

Remote clock offset: -1.52 ms

Below is generated by plot.py at 2018-06-20 09:41:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 336.15 Mbit/s

95th percentile per-packet one-way delay: 78.707 ms

Loss rate: 0.11%

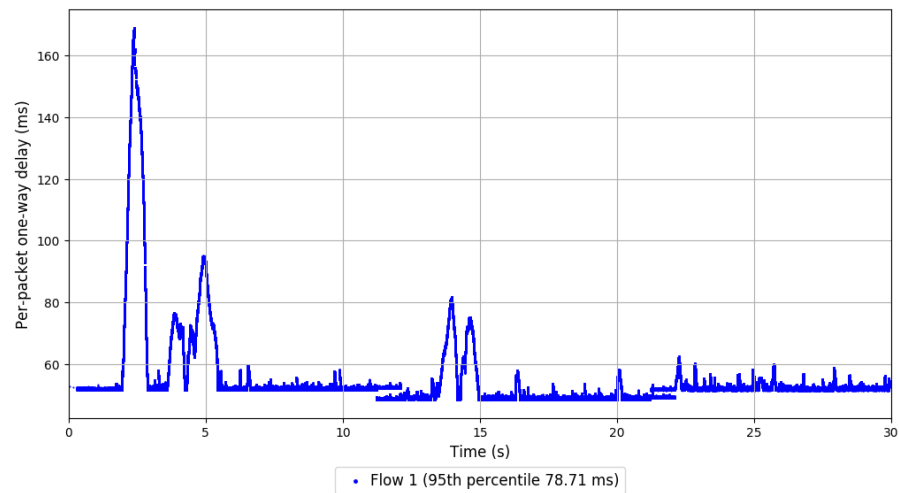
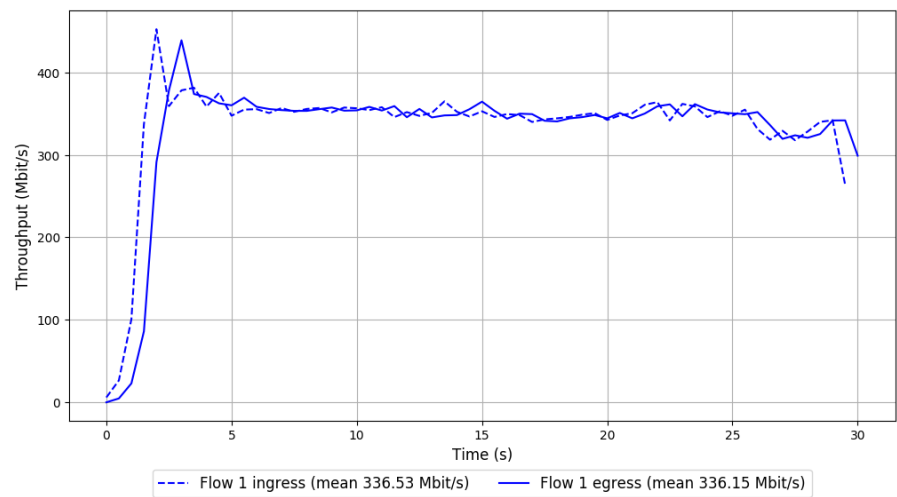
-- Flow 1:

Average throughput: 336.15 Mbit/s

95th percentile per-packet one-way delay: 78.707 ms

Loss rate: 0.11%

Run 6: Report of PCC-Expr — Data Link

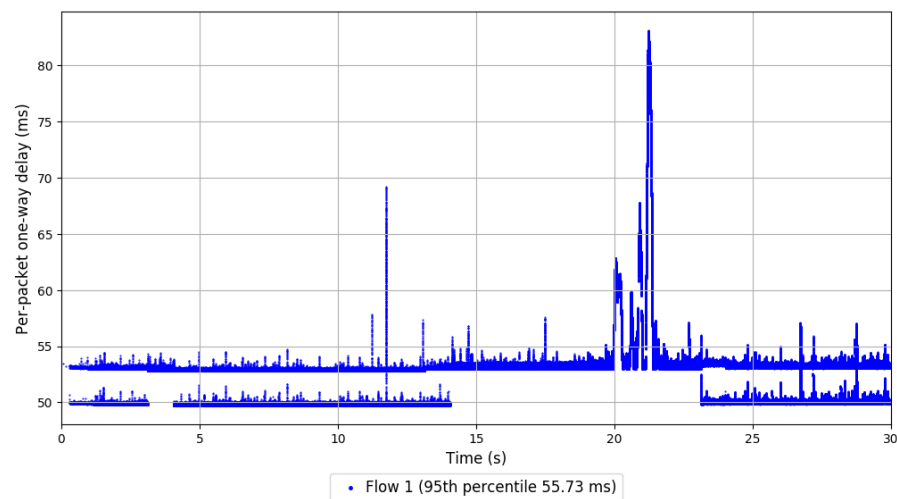
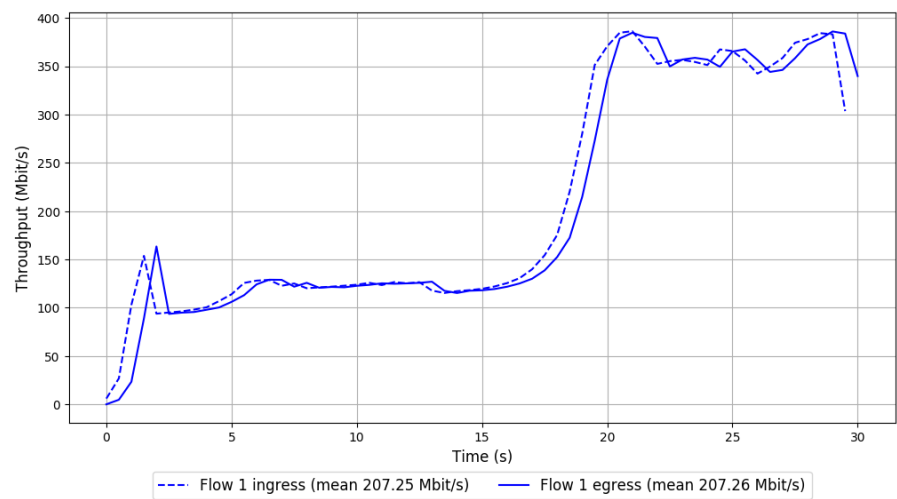


Run 7: Statistics of PCC-Expr

Start at: 2018-06-20 07:19:36
End at: 2018-06-20 07:20:06
Local clock offset: 0.059 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-06-20 09:41:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 207.26 Mbit/s
95th percentile per-packet one-way delay: 55.726 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 207.26 Mbit/s
95th percentile per-packet one-way delay: 55.726 ms
Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link

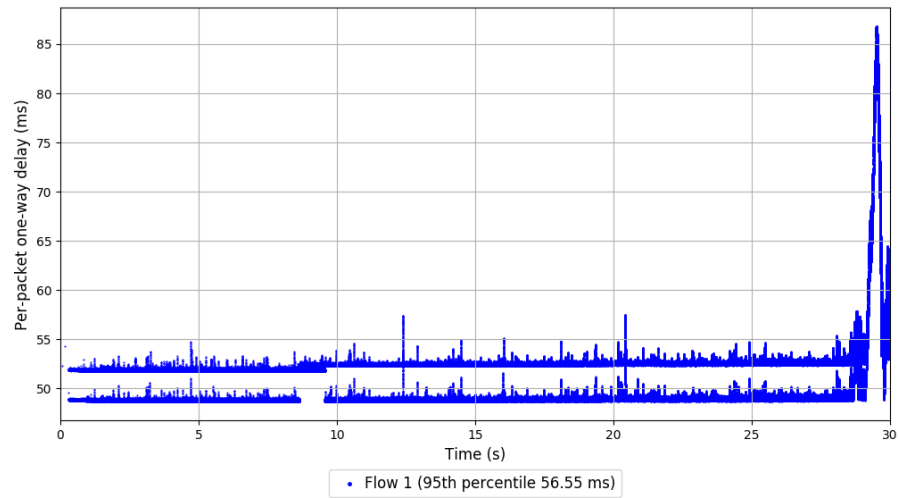
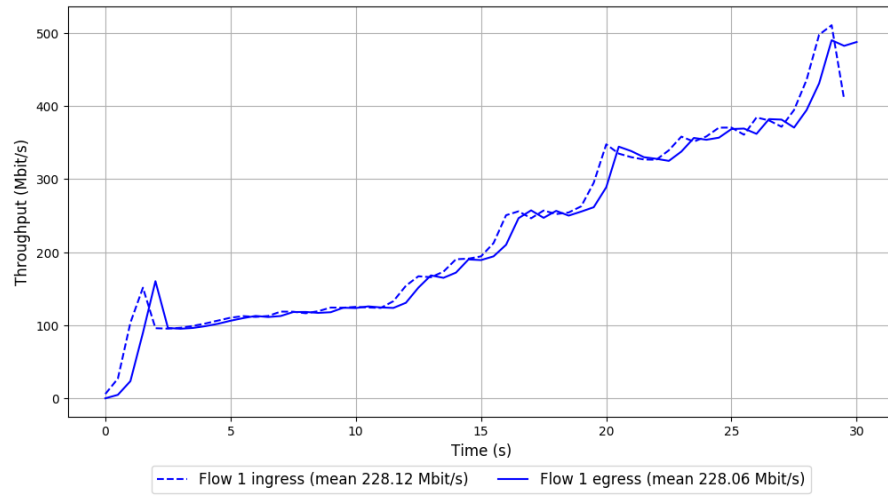


Run 8: Statistics of PCC-Expr

Start at: 2018-06-20 07:39:50
End at: 2018-06-20 07:40:20
Local clock offset: 0.007 ms
Remote clock offset: -1.147 ms

Below is generated by plot.py at 2018-06-20 09:41:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 228.06 Mbit/s
95th percentile per-packet one-way delay: 56.551 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 228.06 Mbit/s
95th percentile per-packet one-way delay: 56.551 ms
Loss rate: 0.02%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-06-20 07:59:59

End at: 2018-06-20 08:00:29

Local clock offset: -0.274 ms

Remote clock offset: 1.187 ms

Below is generated by plot.py at 2018-06-20 09:41:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 251.12 Mbit/s

95th percentile per-packet one-way delay: 72.130 ms

Loss rate: 0.21%

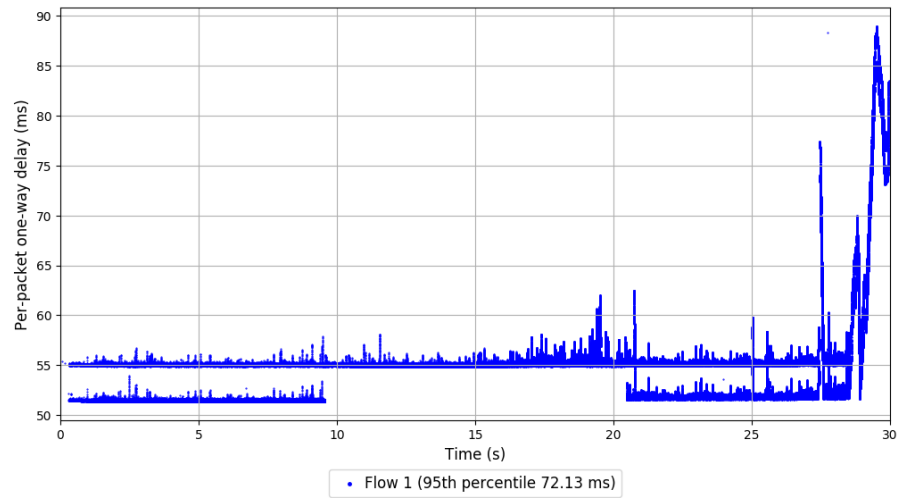
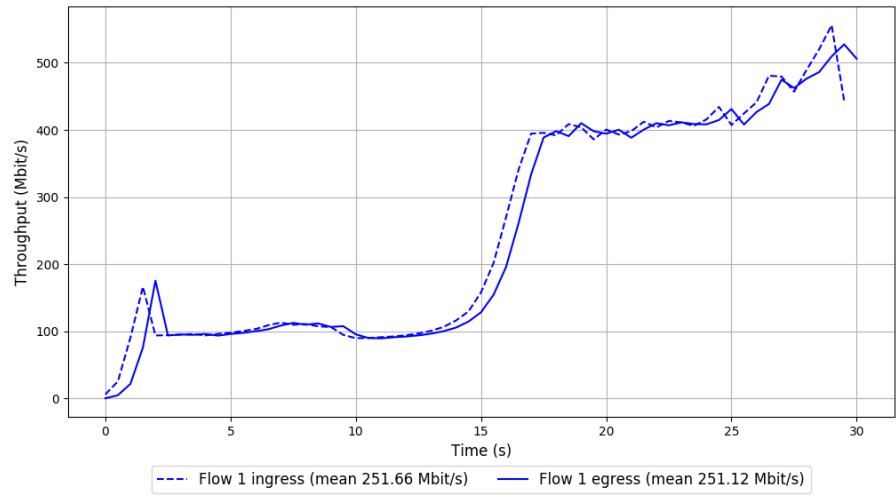
-- Flow 1:

Average throughput: 251.12 Mbit/s

95th percentile per-packet one-way delay: 72.130 ms

Loss rate: 0.21%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

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

End at: 2018-06-20 08:20:50

Local clock offset: 0.186 ms

Remote clock offset: 1.27 ms

Below is generated by plot.py at 2018-06-20 09:43:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 352.70 Mbit/s

95th percentile per-packet one-way delay: 134.832 ms

Loss rate: 0.07%

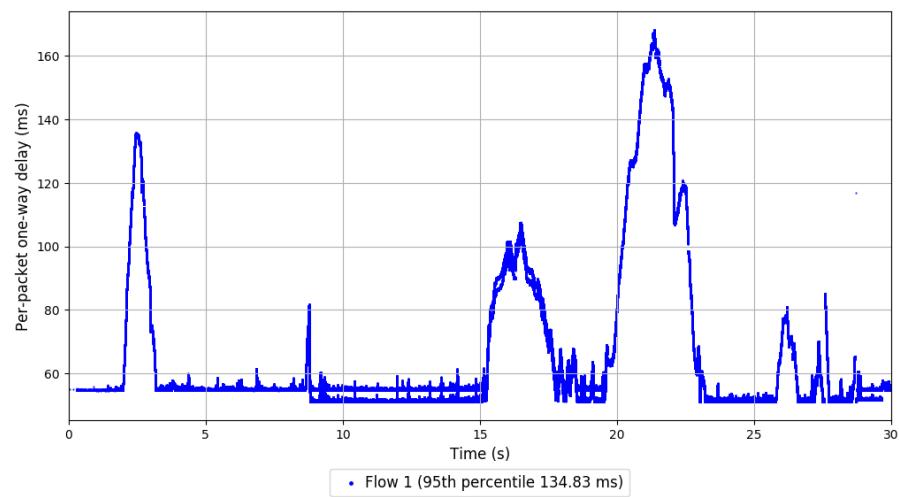
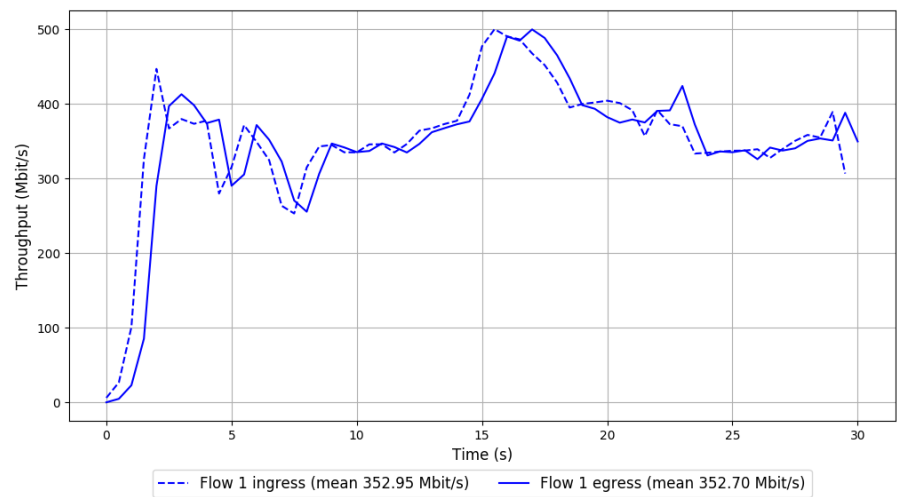
-- Flow 1:

Average throughput: 352.70 Mbit/s

95th percentile per-packet one-way delay: 134.832 ms

Loss rate: 0.07%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

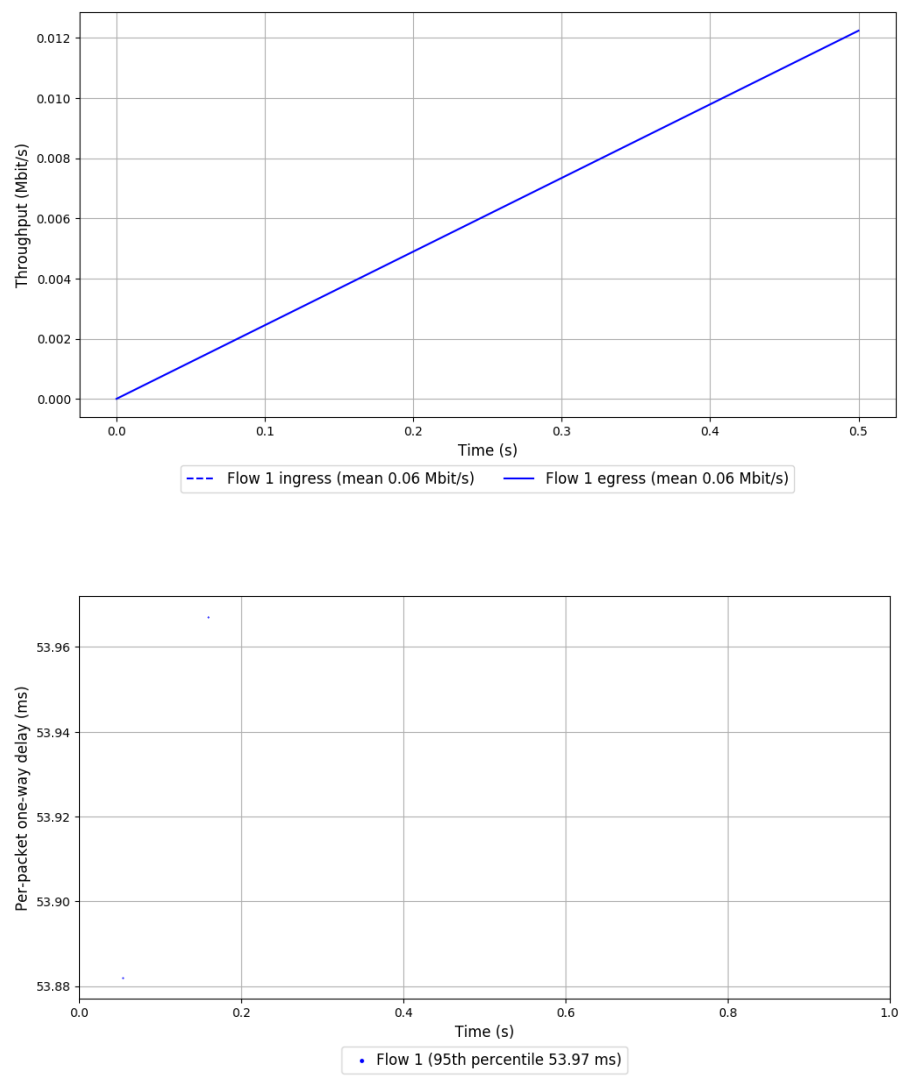
Start at: 2018-06-20 05:14:13

End at: 2018-06-20 05:14:43

Local clock offset: -0.155 ms

Remote clock offset: -0.143 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

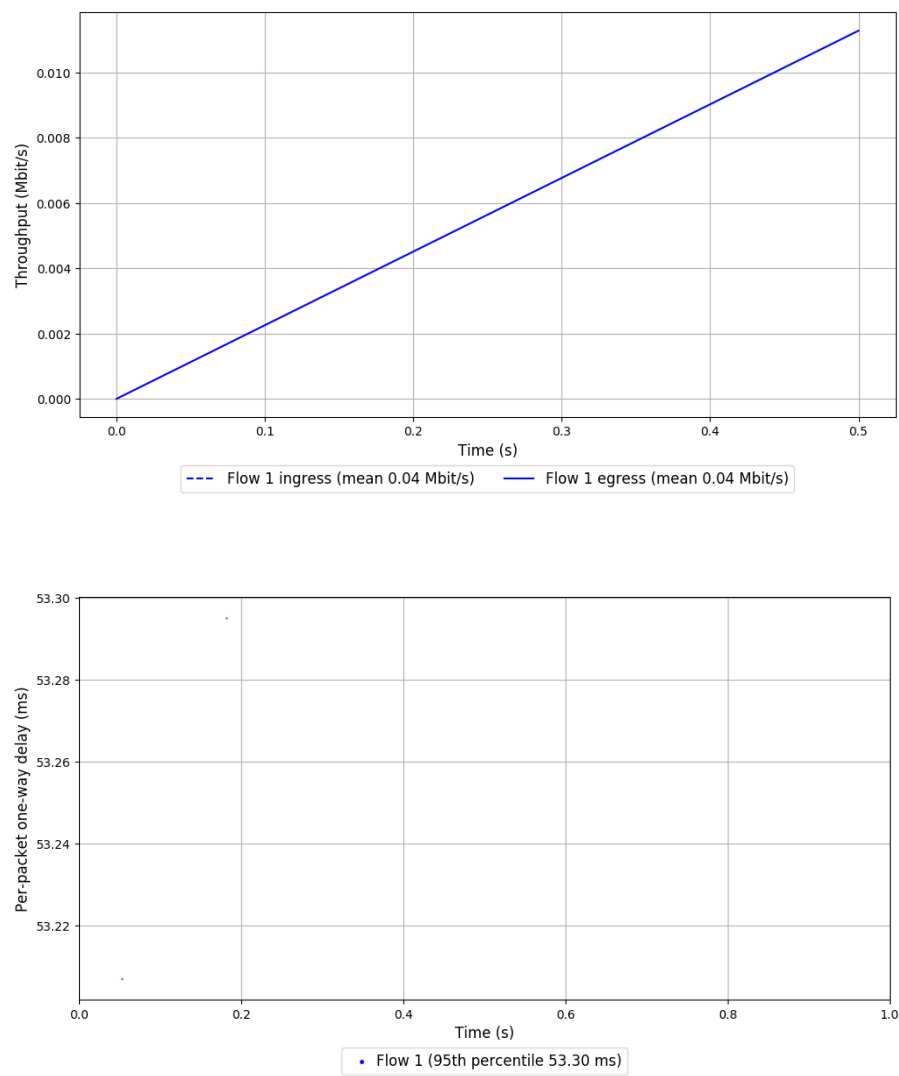
Start at: 2018-06-20 05:34:20

End at: 2018-06-20 05:34:50

Local clock offset: -0.077 ms

Remote clock offset: -0.009 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

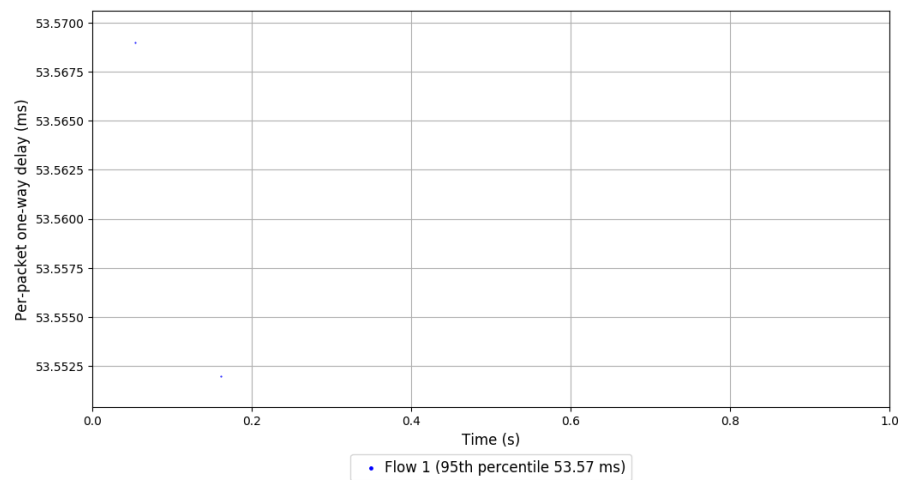
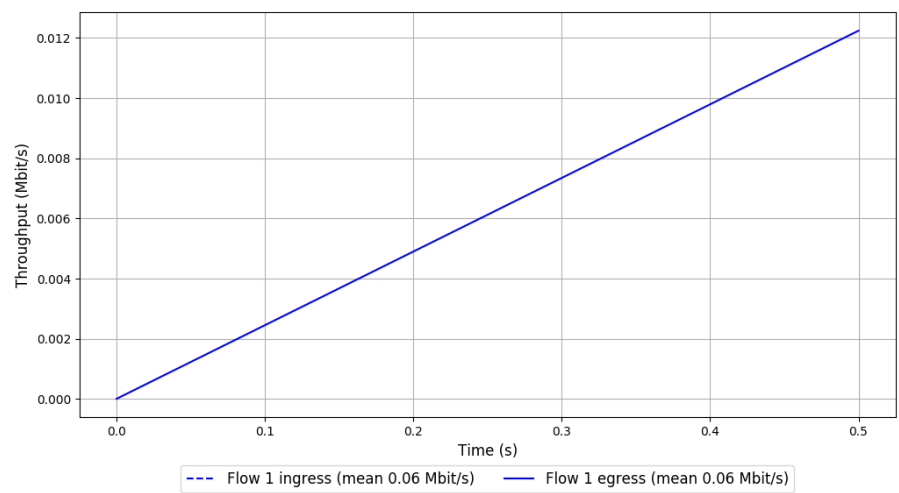
Start at: 2018-06-20 05:54:35

End at: 2018-06-20 05:55:05

Local clock offset: -0.136 ms

Remote clock offset: 0.068 ms

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-06-20 06:15:07

End at: 2018-06-20 06:15:37

Local clock offset: -0.004 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-06-20 09:43:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.43 Mbit/s

95th percentile per-packet one-way delay: 50.710 ms

Loss rate: 0.00%

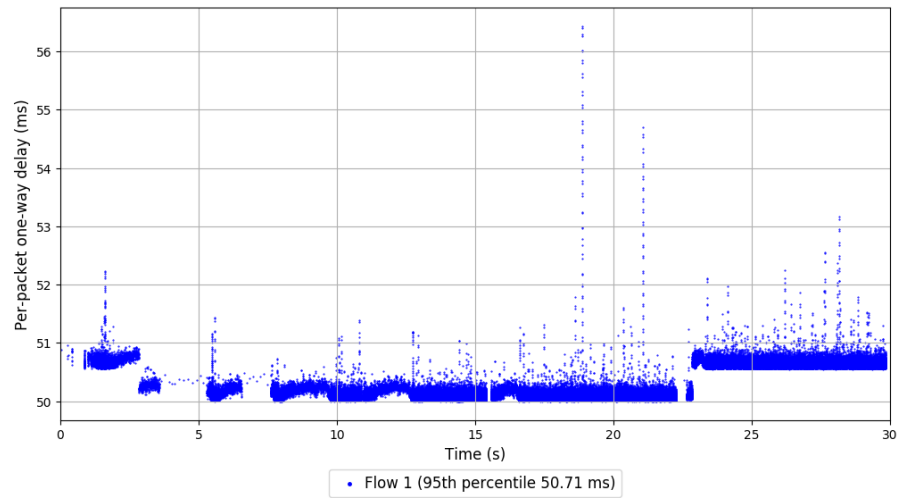
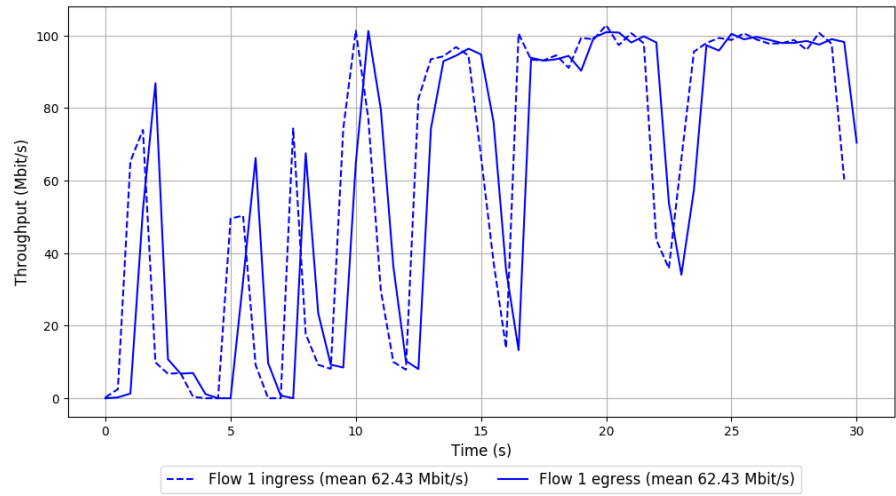
-- Flow 1:

Average throughput: 62.43 Mbit/s

95th percentile per-packet one-way delay: 50.710 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

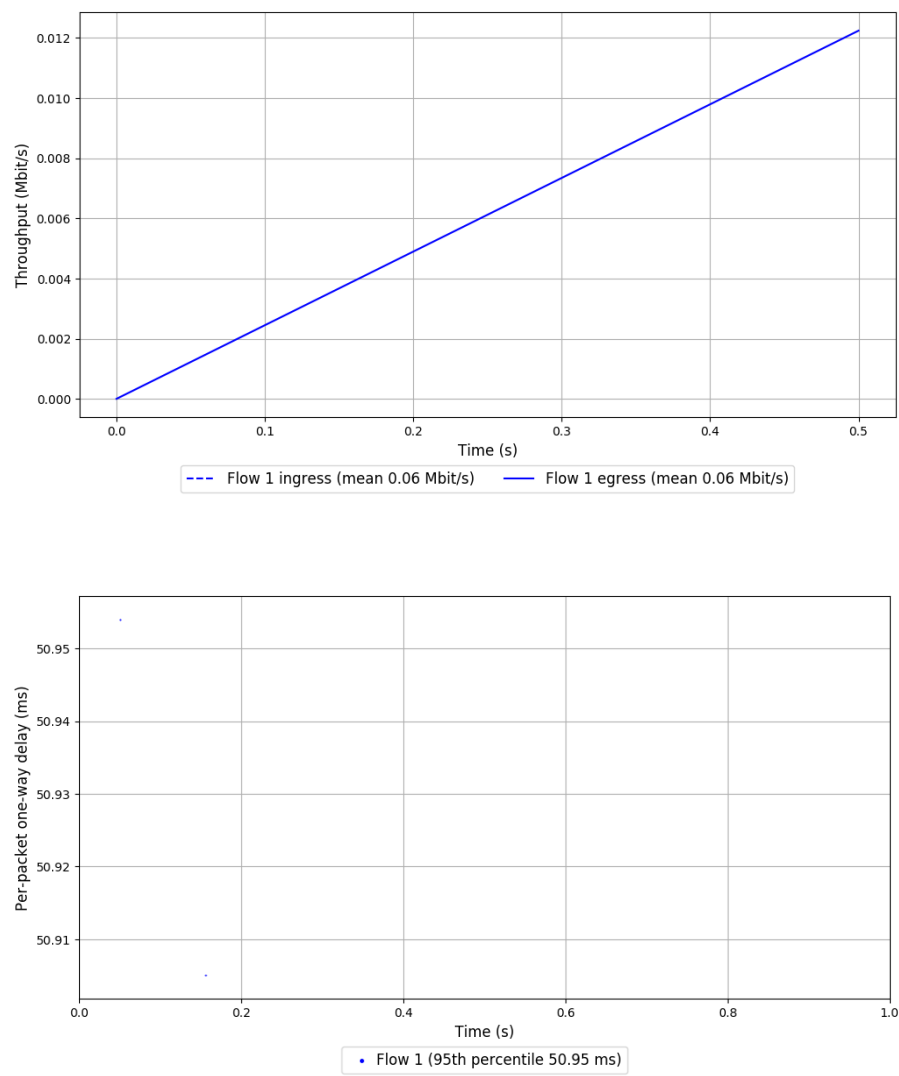
Start at: 2018-06-20 06:35:29

End at: 2018-06-20 06:35:59

Local clock offset: -0.094 ms

Remote clock offset: 0.087 ms

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

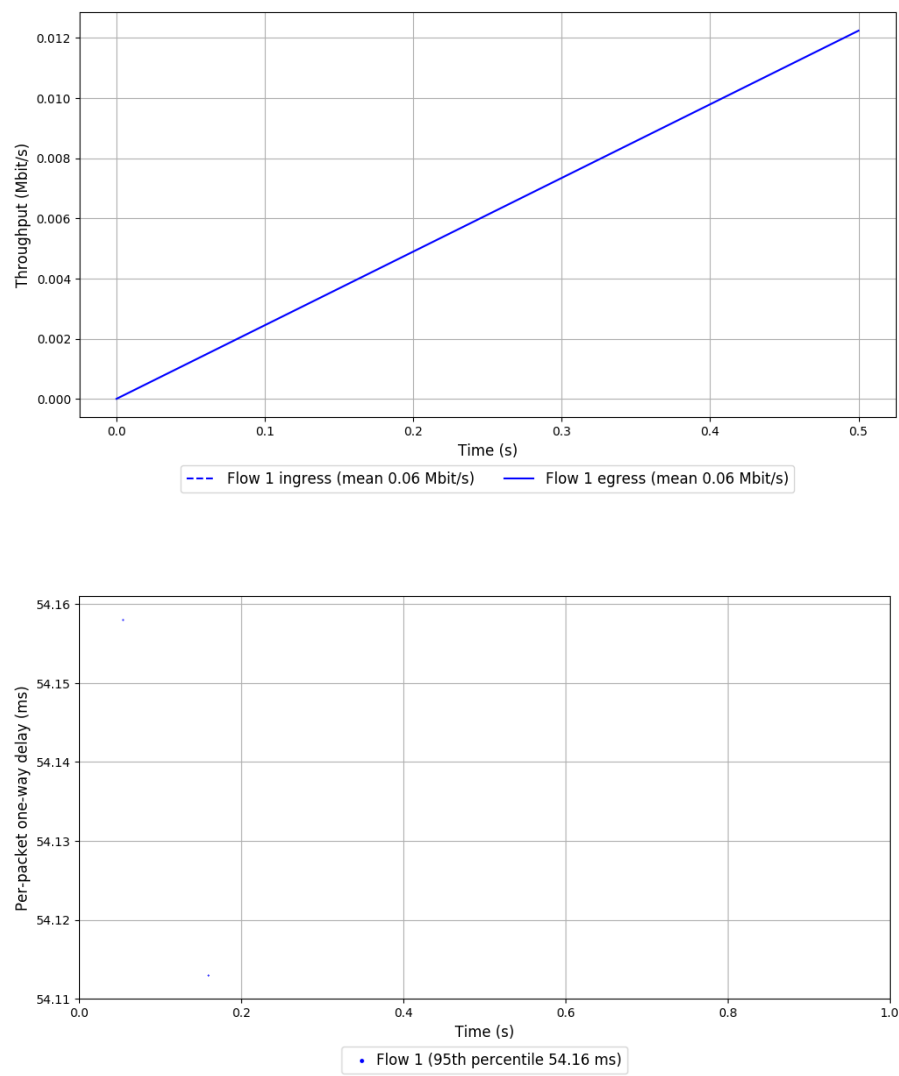
Start at: 2018-06-20 06:56:22

End at: 2018-06-20 06:56:52

Local clock offset: -0.005 ms

Remote clock offset: 0.187 ms

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

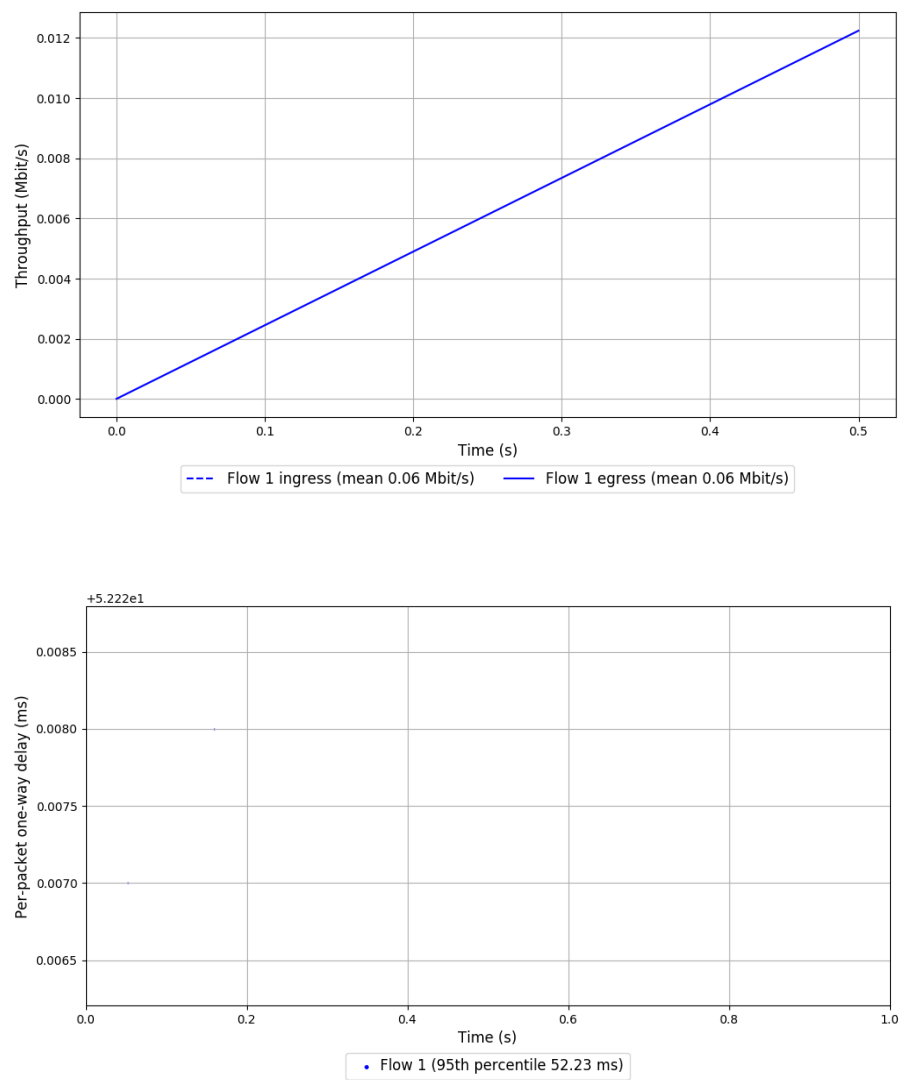
Start at: 2018-06-20 07:17:09

End at: 2018-06-20 07:17:39

Local clock offset: 0.012 ms

Remote clock offset: -1.407 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

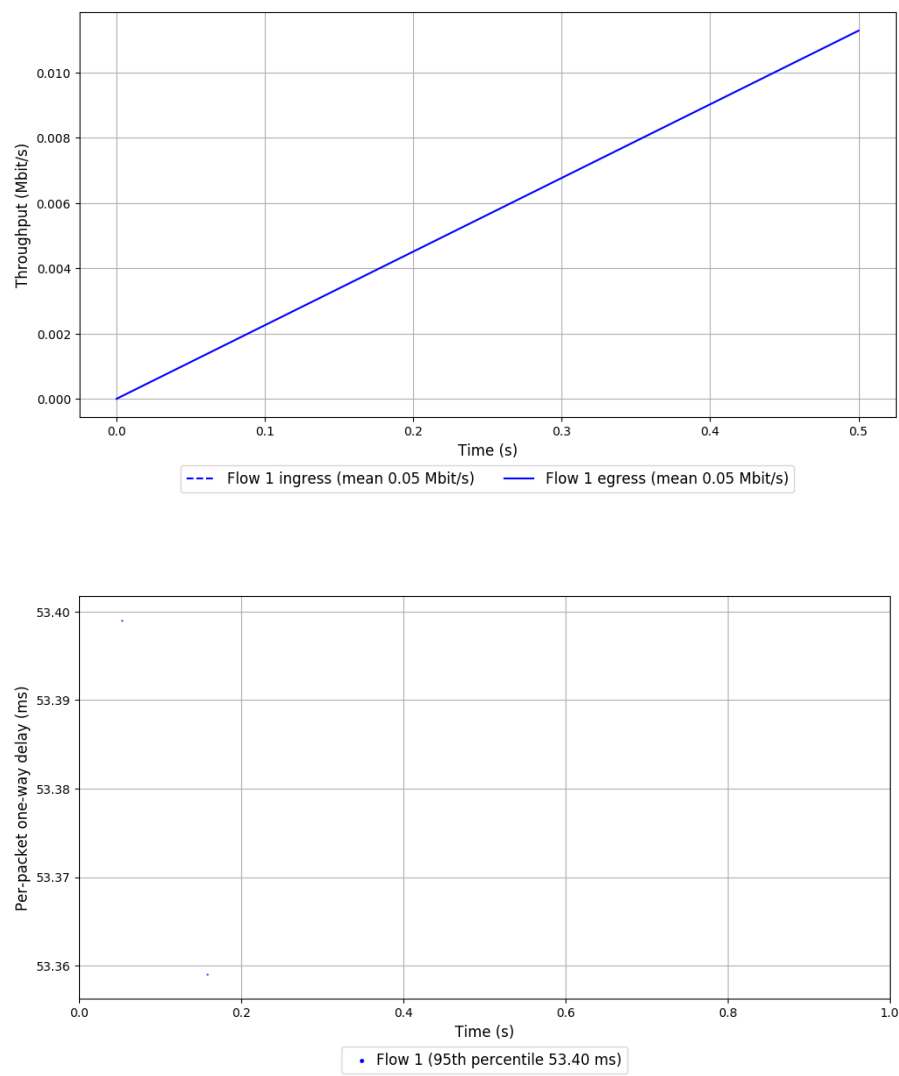
Start at: 2018-06-20 07:37:23

End at: 2018-06-20 07:37:53

Local clock offset: -0.101 ms

Remote clock offset: -0.118 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

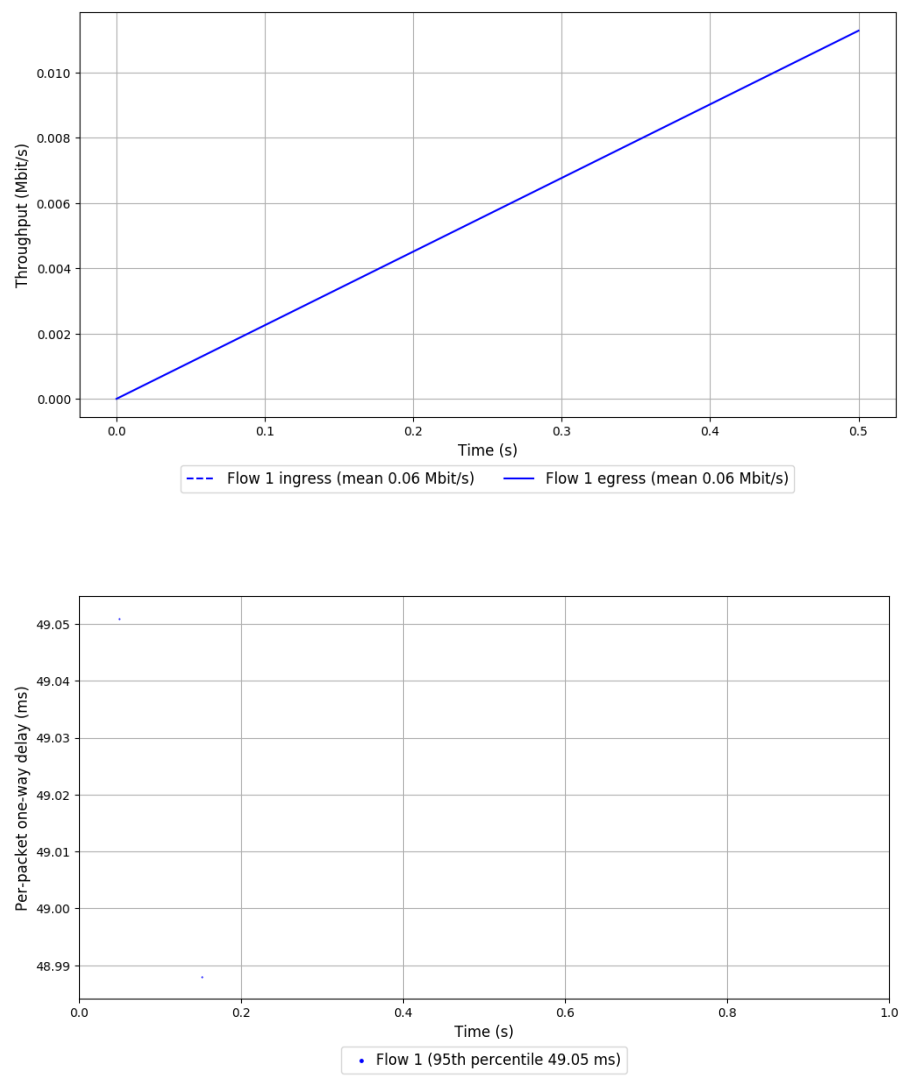
Start at: 2018-06-20 07:57:33

End at: 2018-06-20 07:58:03

Local clock offset: -0.054 ms

Remote clock offset: -1.501 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

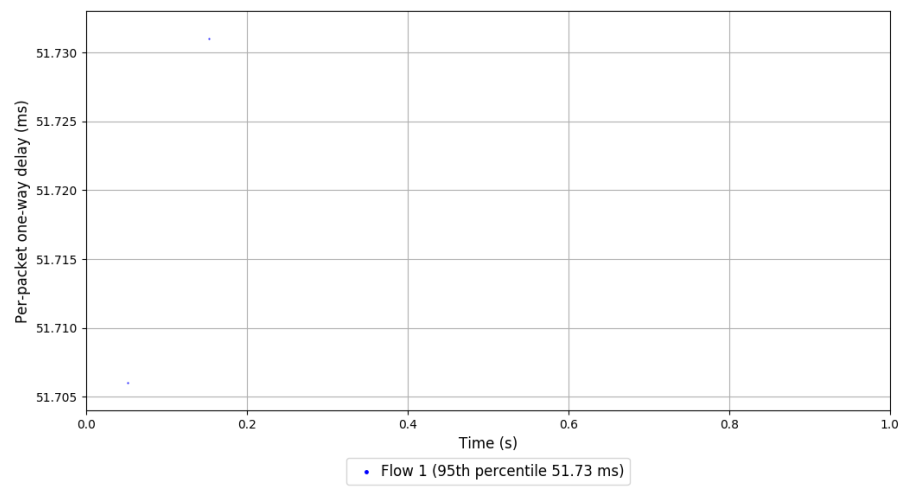
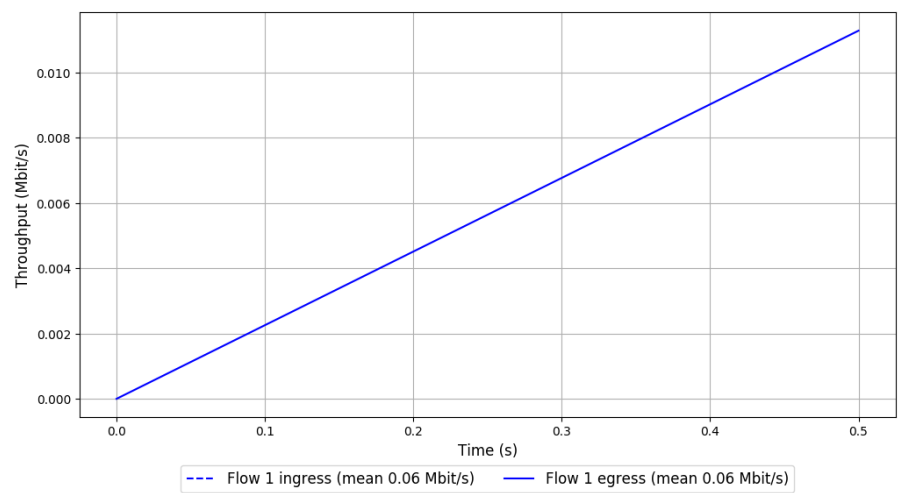
Start at: 2018-06-20 08:17:51

End at: 2018-06-20 08:18:21

Local clock offset: -0.008 ms

Remote clock offset: 1.128 ms

Run 10: Report of QUIC Cubic — Data Link

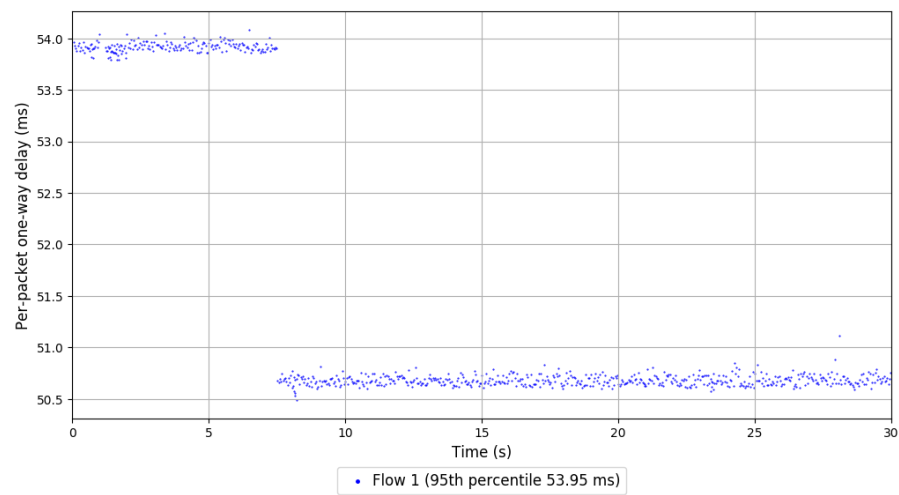
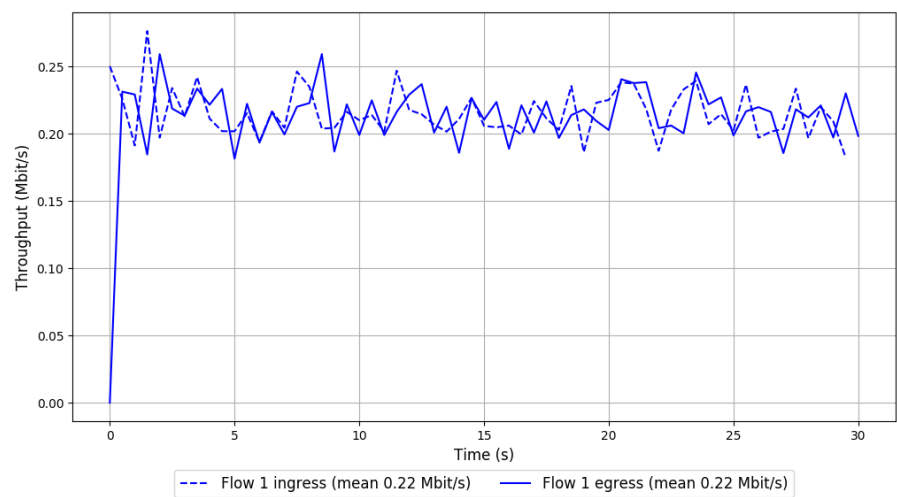


```
Run 1: Statistics of SCReAM

Start at: 2018-06-20 04:59:02
End at: 2018-06-20 04:59:32
Local clock offset: -0.096 ms
Remote clock offset: 0.12 ms

# Below is generated by plot.py at 2018-06-20 09:43:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.955 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.955 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-06-20 05:19:32

End at: 2018-06-20 05:20:02

Local clock offset: -0.117 ms

Remote clock offset: -0.21 ms

Below is generated by plot.py at 2018-06-20 09:43:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.820 ms

Loss rate: 0.00%

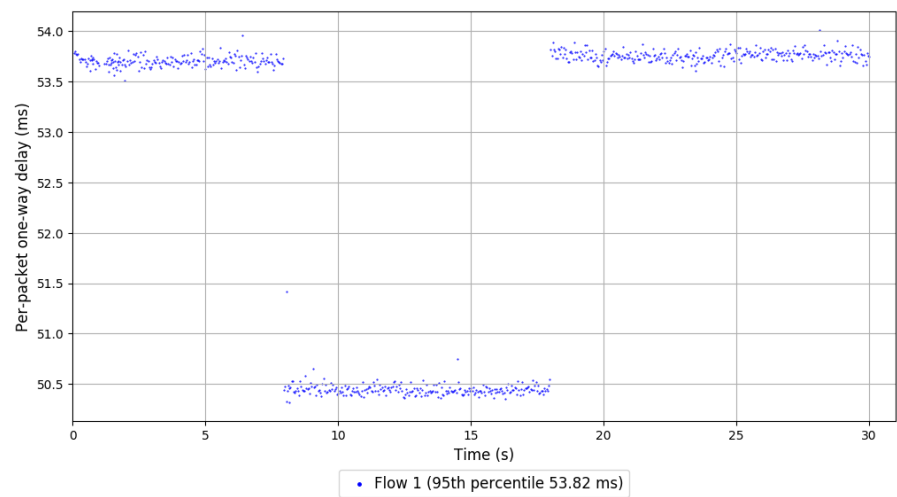
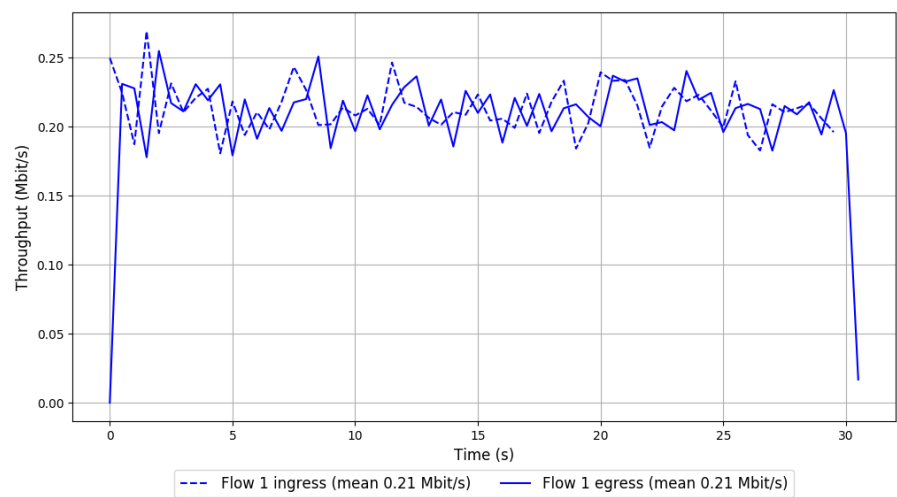
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.820 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-06-20 05:39:42

End at: 2018-06-20 05:40:12

Local clock offset: 0.051 ms

Remote clock offset: 0.155 ms

Below is generated by plot.py at 2018-06-20 09:43:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 54.113 ms

Loss rate: 0.00%

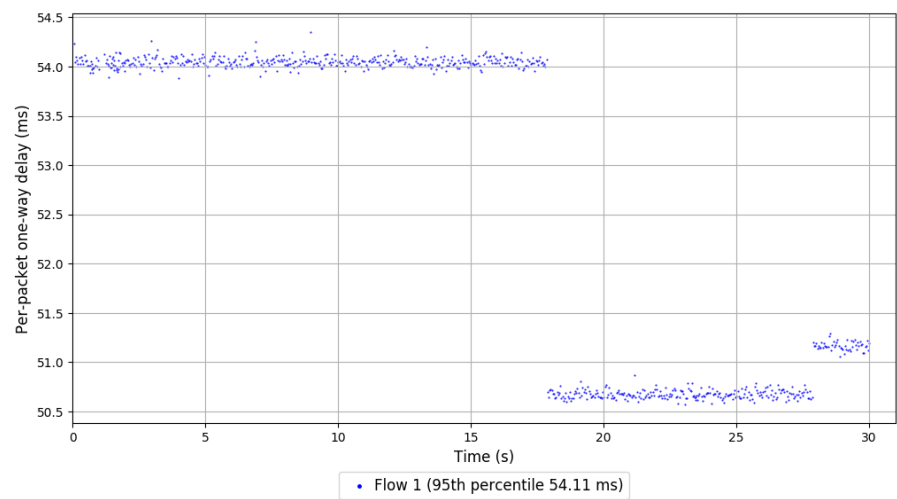
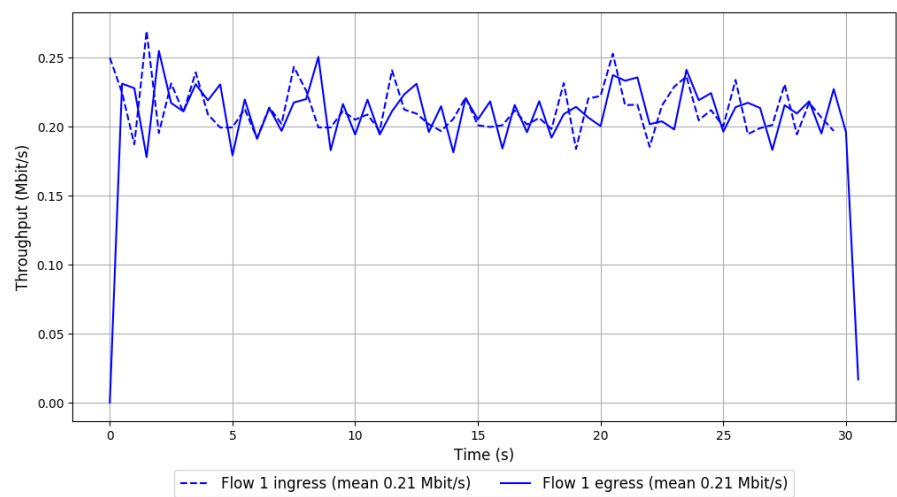
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 54.113 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-06-20 05:59:54

End at: 2018-06-20 06:00:24

Local clock offset: 0.037 ms

Remote clock offset: -0.25 ms

Below is generated by plot.py at 2018-06-20 09:43:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.872 ms

Loss rate: 0.00%

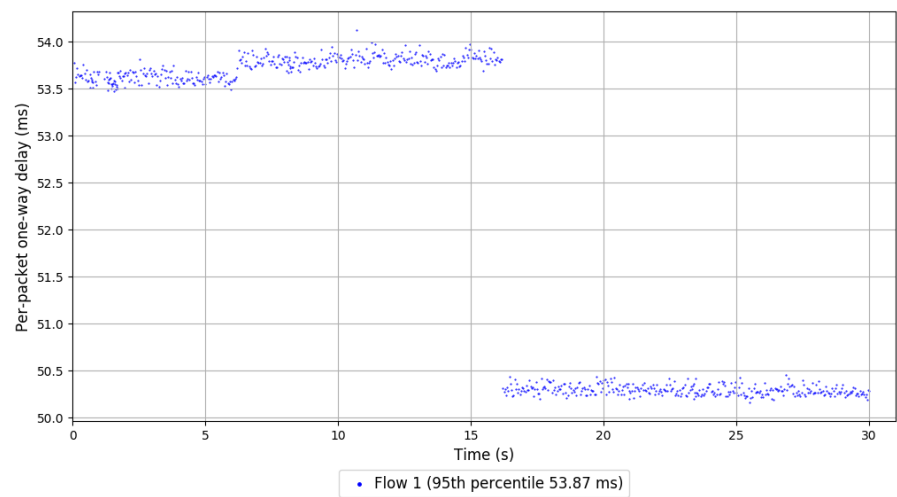
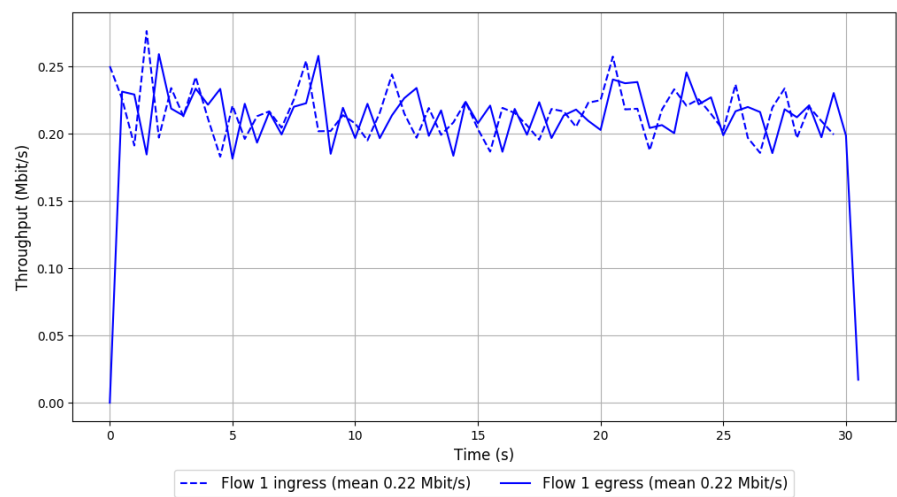
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.872 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

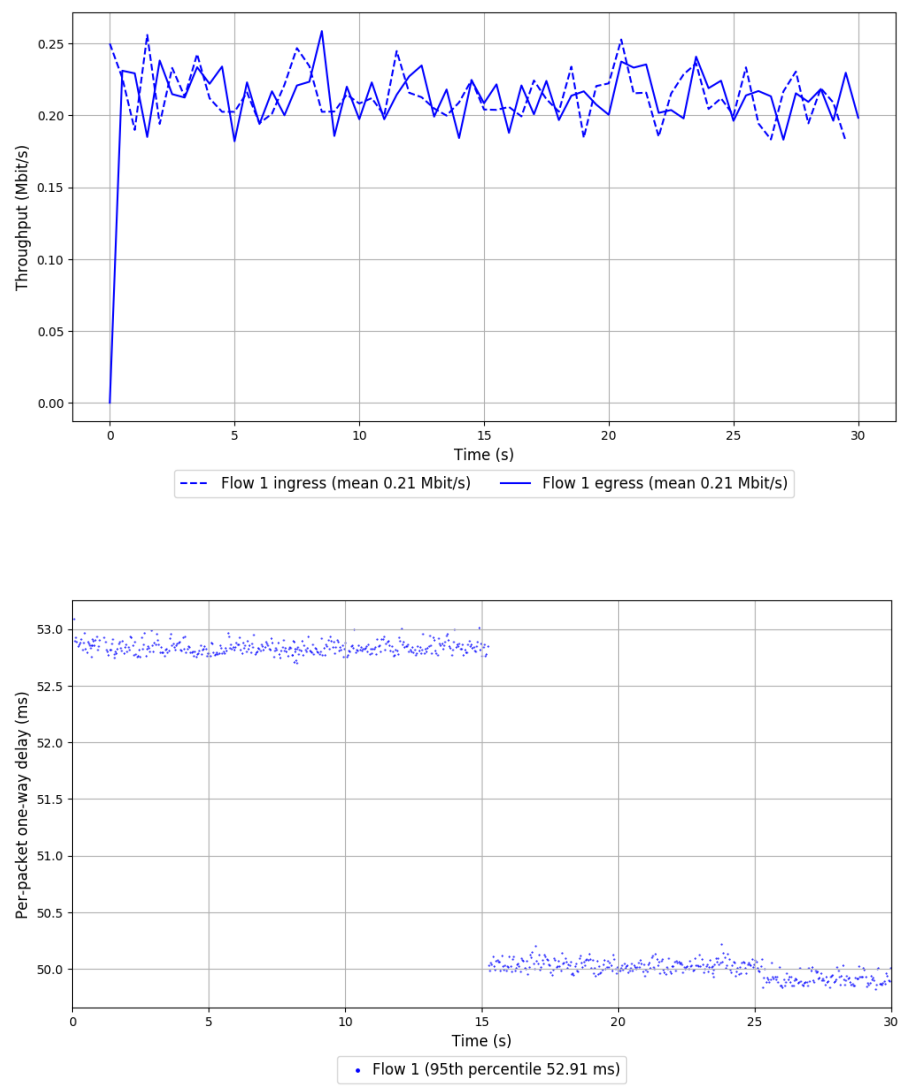


Run 5: Statistics of SCReAM

Start at: 2018-06-20 06:20:34
End at: 2018-06-20 06:21:04
Local clock offset: 0.317 ms
Remote clock offset: -0.368 ms

Below is generated by plot.py at 2018-06-20 09:43:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 52.907 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 52.907 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-06-20 06:40:52

End at: 2018-06-20 06:41:22

Local clock offset: 0.102 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-06-20 09:43:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.865 ms

Loss rate: 0.13%

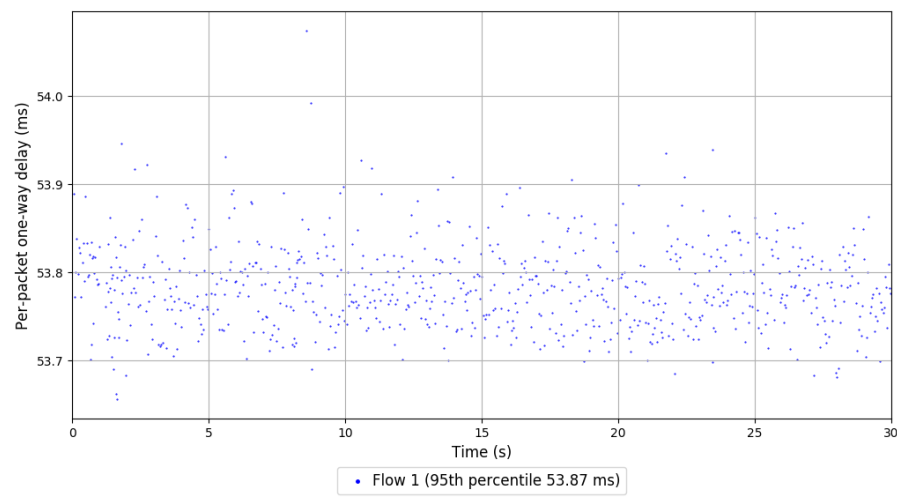
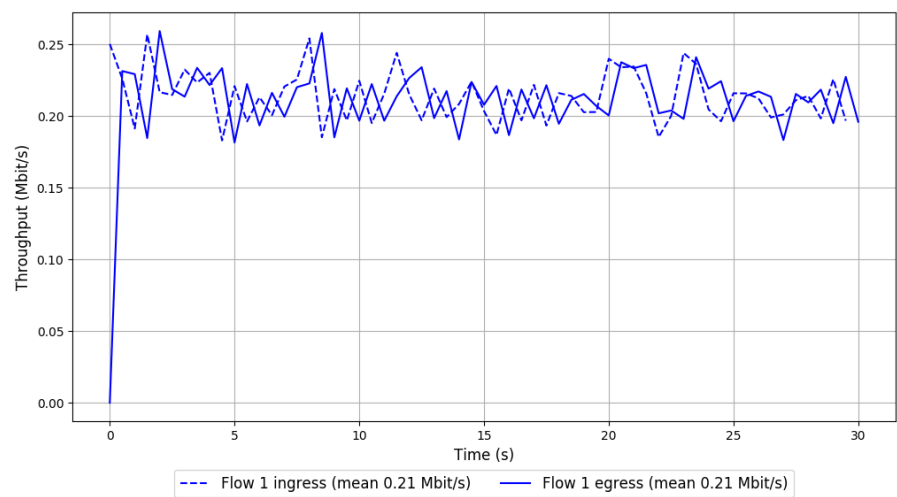
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.865 ms

Loss rate: 0.13%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-06-20 07:01:47

End at: 2018-06-20 07:02:17

Local clock offset: -0.01 ms

Remote clock offset: 1.176 ms

Below is generated by plot.py at 2018-06-20 09:43:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 55.071 ms

Loss rate: 0.00%

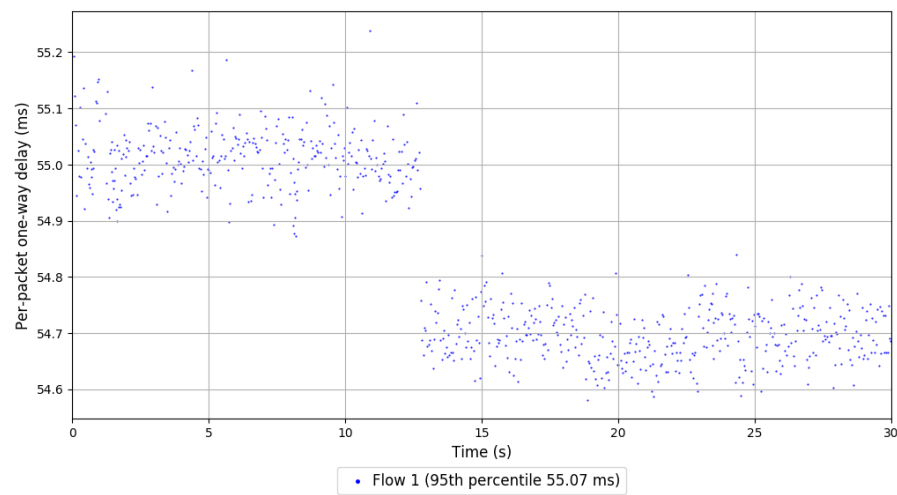
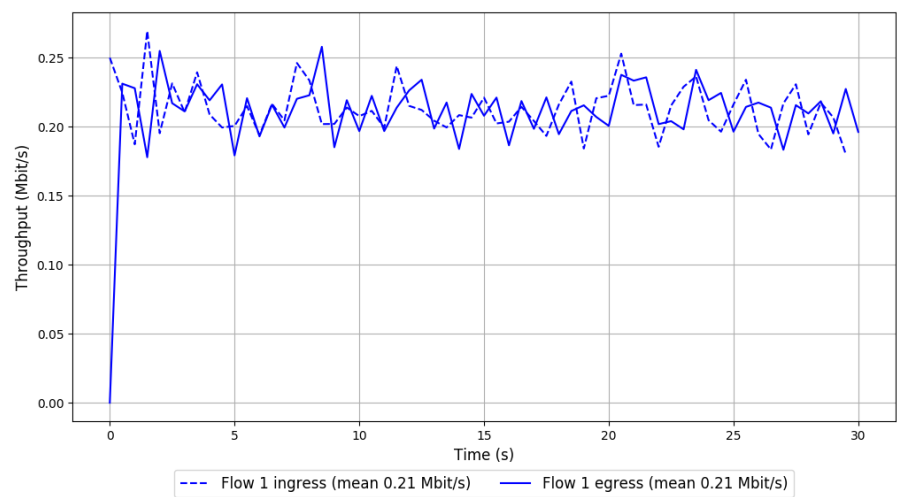
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 55.071 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-06-20 07:22:24

End at: 2018-06-20 07:22:54

Local clock offset: 0.204 ms

Remote clock offset: 0.299 ms

Below is generated by plot.py at 2018-06-20 09:43:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.622 ms

Loss rate: 0.00%

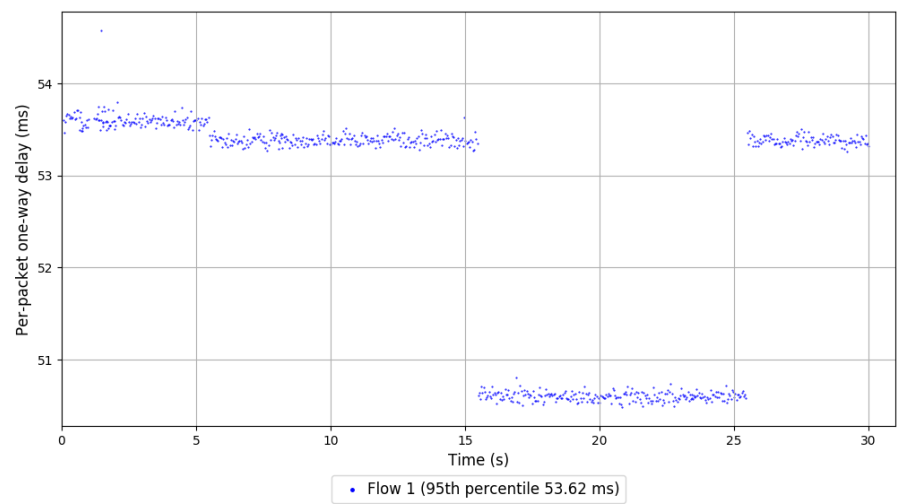
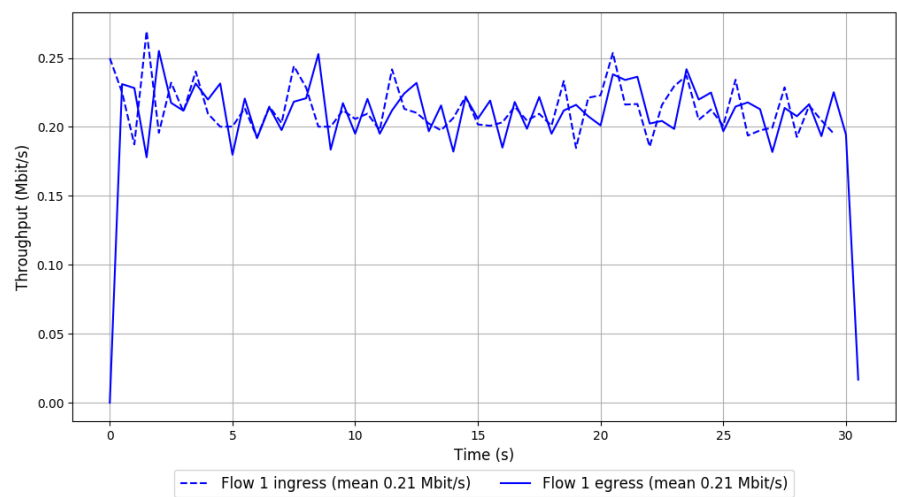
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.622 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

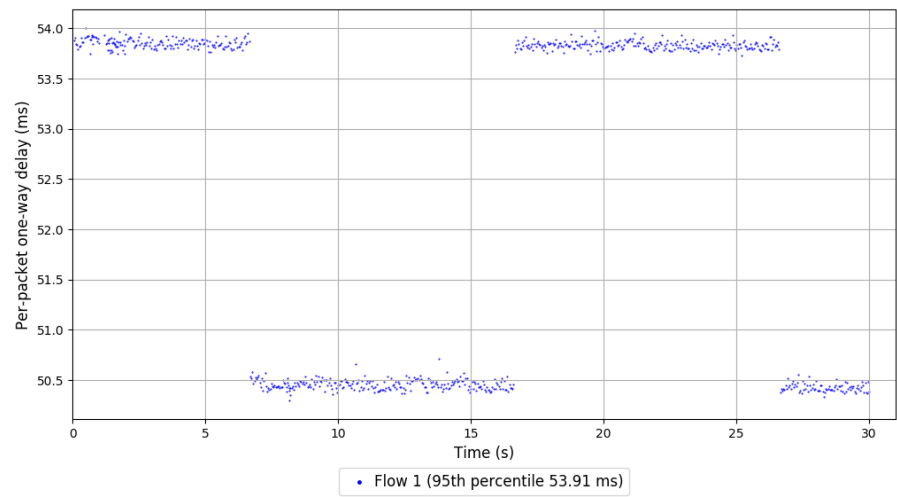
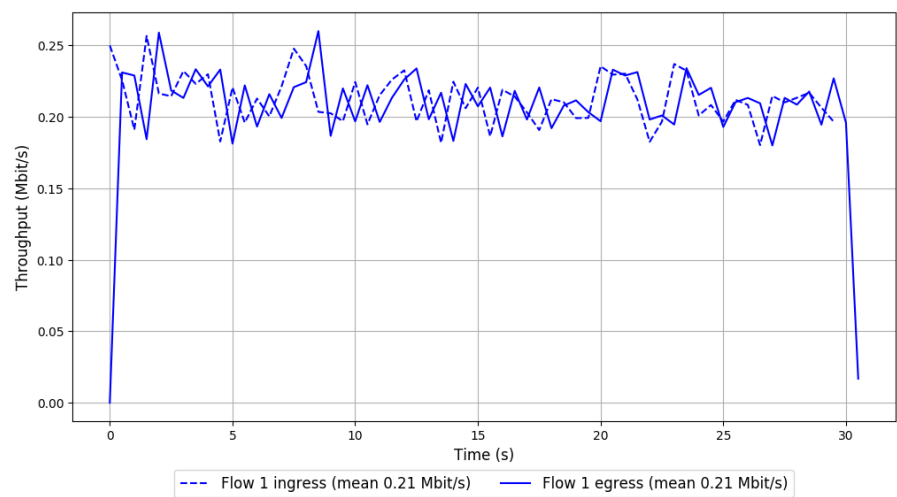


Run 9: Statistics of SCReAM

Start at: 2018-06-20 07:42:33
End at: 2018-06-20 07:43:03
Local clock offset: 0.054 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-06-20 09:43:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.907 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.907 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

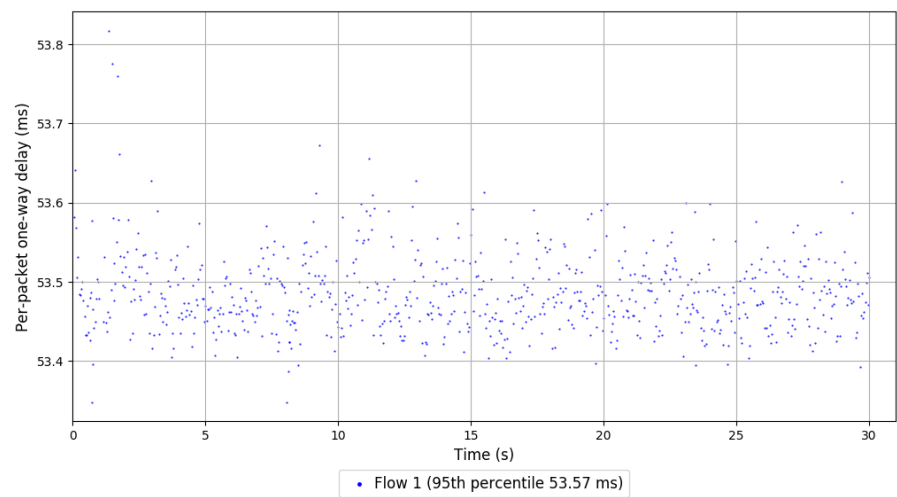
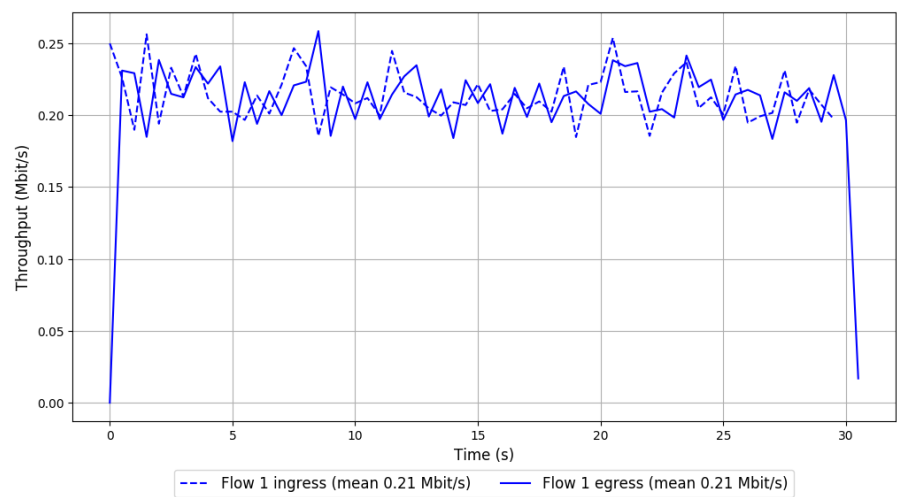


Run 10: Statistics of SReAM

Start at: 2018-06-20 08:02:50
End at: 2018-06-20 08:03:20
Local clock offset: -0.002 ms
Remote clock offset: -0.244 ms

Below is generated by plot.py at 2018-06-20 09:43:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.574 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.574 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

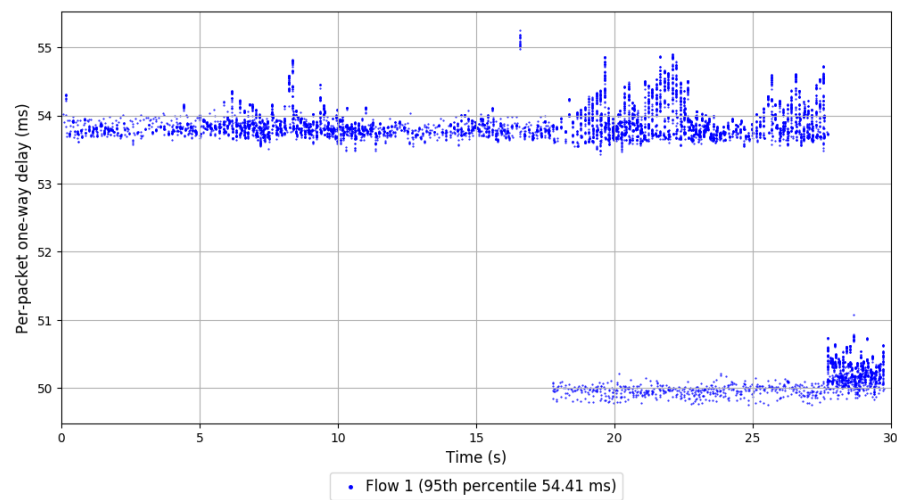
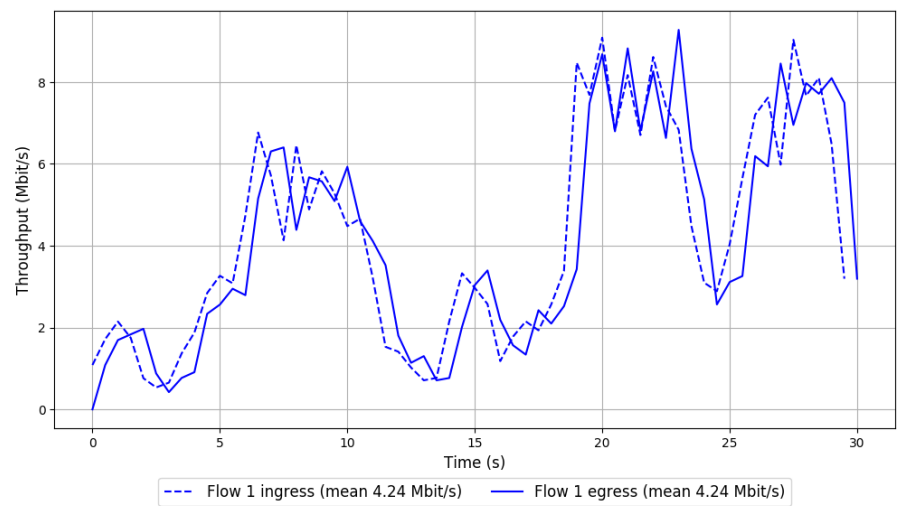


Run 1: Statistics of Sprout

Start at: 2018-06-20 05:11:51
End at: 2018-06-20 05:12:21
Local clock offset: -0.044 ms
Remote clock offset: -0.151 ms

Below is generated by plot.py at 2018-06-20 09:43:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.24 Mbit/s
95th percentile per-packet one-way delay: 54.415 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.24 Mbit/s
95th percentile per-packet one-way delay: 54.415 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-06-20 05:31:59

End at: 2018-06-20 05:32:29

Local clock offset: -0.212 ms

Remote clock offset: 0.172 ms

Below is generated by plot.py at 2018-06-20 09:43:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.50 Mbit/s

95th percentile per-packet one-way delay: 54.448 ms

Loss rate: 0.00%

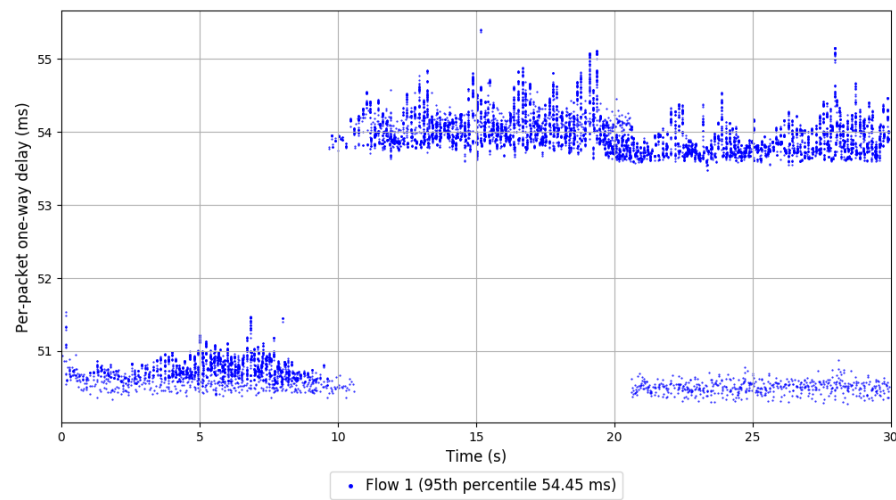
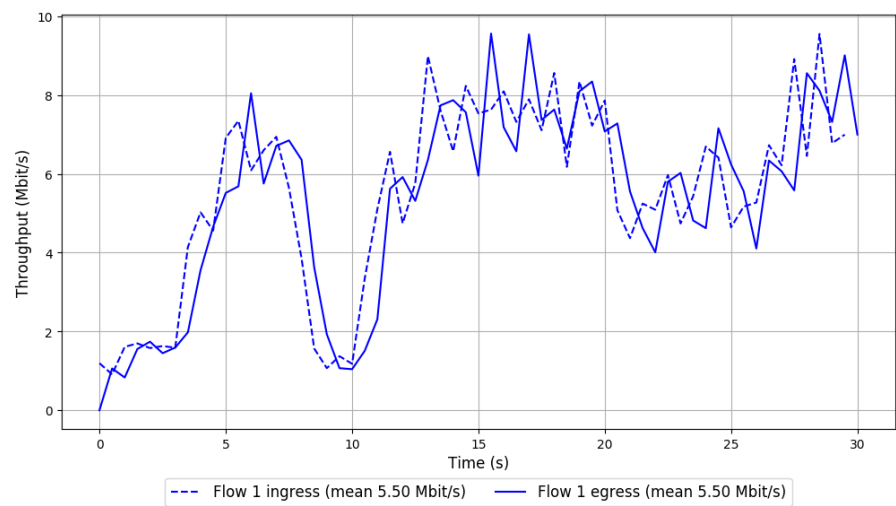
-- Flow 1:

Average throughput: 5.50 Mbit/s

95th percentile per-packet one-way delay: 54.448 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-06-20 05:52:14

End at: 2018-06-20 05:52:44

Local clock offset: -0.16 ms

Remote clock offset: 0.113 ms

Below is generated by plot.py at 2018-06-20 09:43:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.83 Mbit/s

95th percentile per-packet one-way delay: 54.359 ms

Loss rate: 0.00%

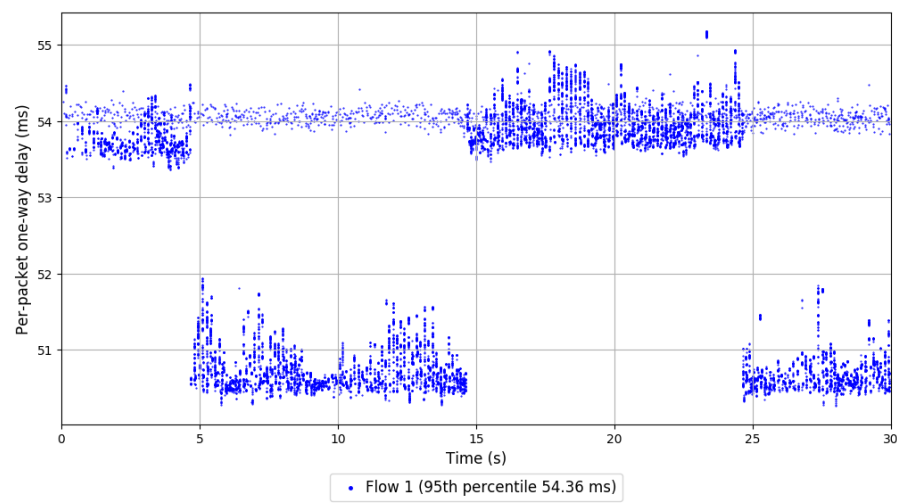
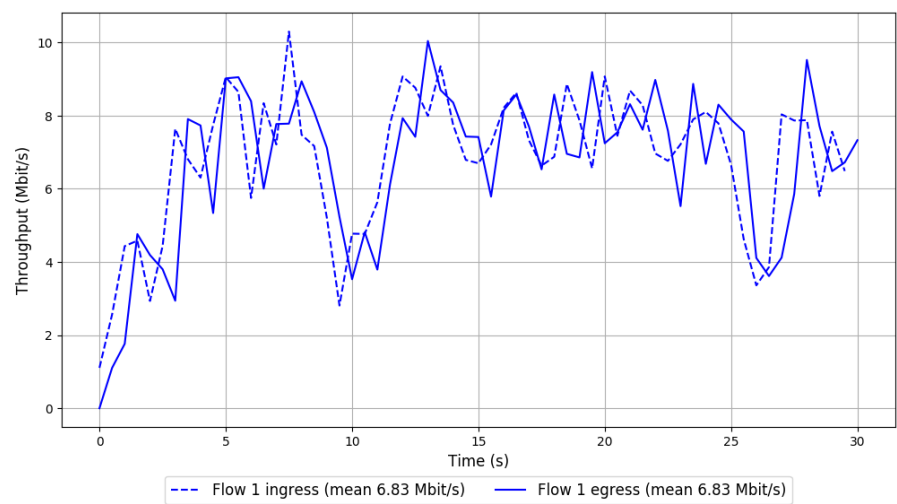
-- Flow 1:

Average throughput: 6.83 Mbit/s

95th percentile per-packet one-way delay: 54.359 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-06-20 06:12:47

End at: 2018-06-20 06:13:17

Local clock offset: -0.087 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2018-06-20 09:43:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.62 Mbit/s

95th percentile per-packet one-way delay: 53.937 ms

Loss rate: 0.01%

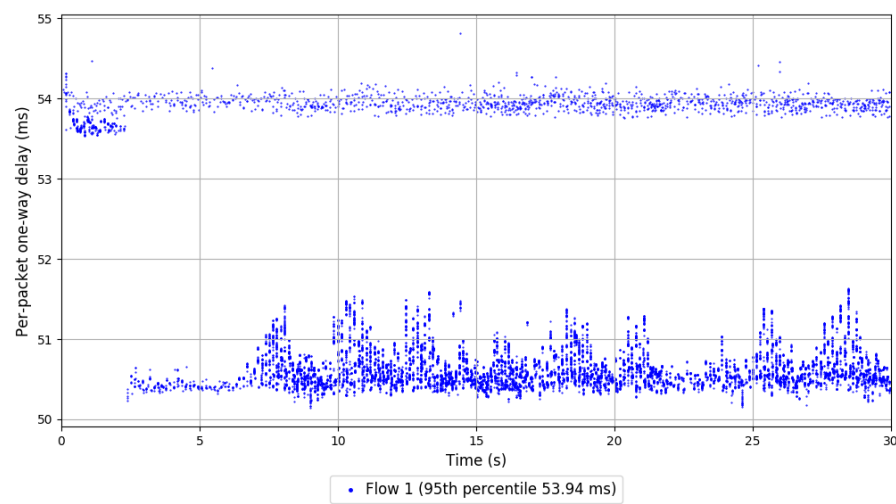
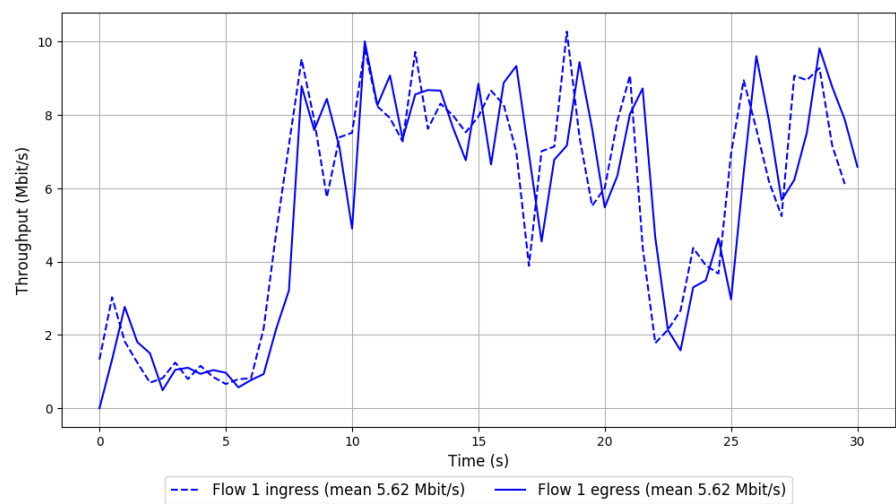
-- Flow 1:

Average throughput: 5.62 Mbit/s

95th percentile per-packet one-way delay: 53.937 ms

Loss rate: 0.01%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-06-20 06:33:10

End at: 2018-06-20 06:33:40

Local clock offset: 0.062 ms

Remote clock offset: 1.098 ms

Below is generated by plot.py at 2018-06-20 09:43:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.30 Mbit/s

95th percentile per-packet one-way delay: 54.784 ms

Loss rate: 0.00%

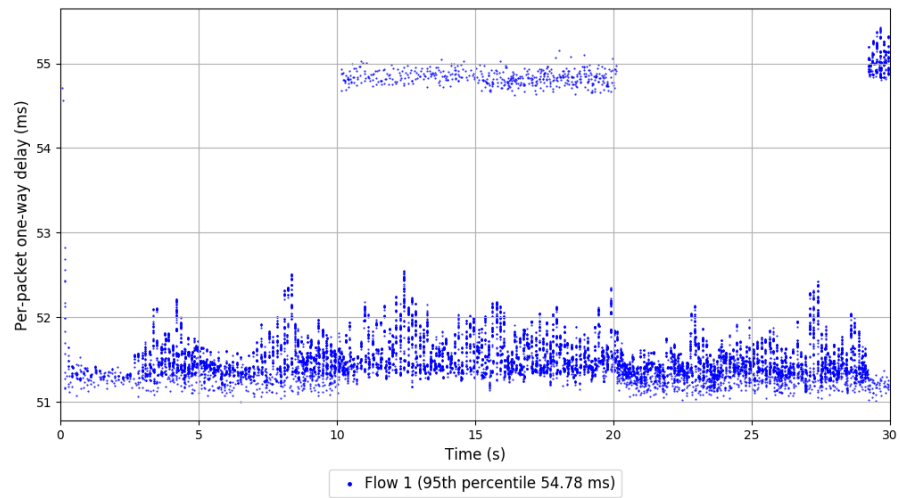
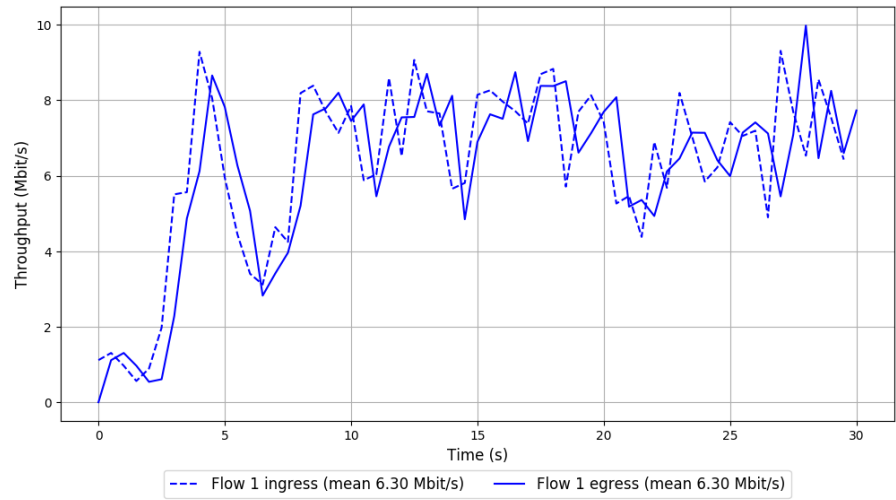
-- Flow 1:

Average throughput: 6.30 Mbit/s

95th percentile per-packet one-way delay: 54.784 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

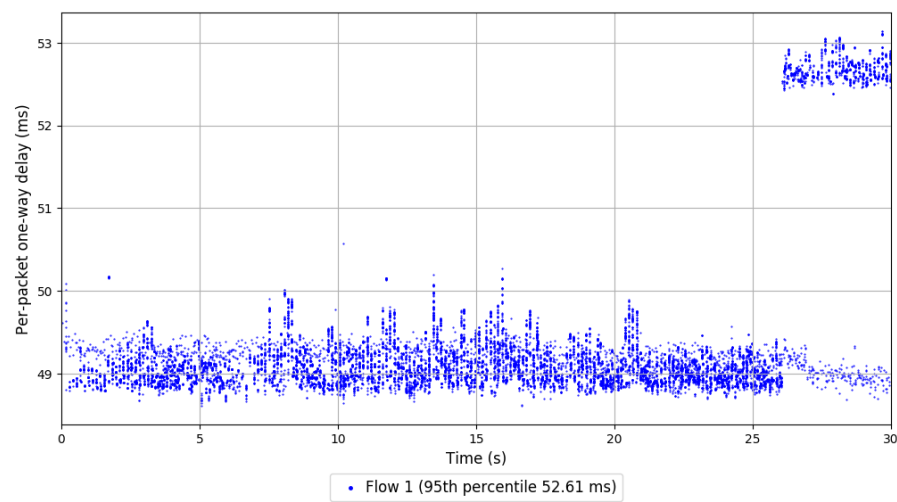
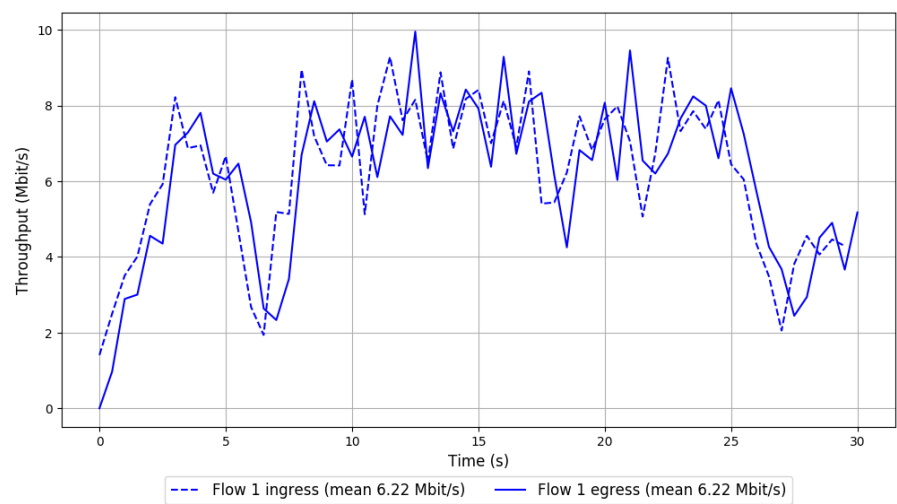


Run 6: Statistics of Sprout

Start at: 2018-06-20 06:54:03
End at: 2018-06-20 06:54:33
Local clock offset: -0.08 ms
Remote clock offset: -1.489 ms

Below is generated by plot.py at 2018-06-20 09:43:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.22 Mbit/s
95th percentile per-packet one-way delay: 52.610 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.22 Mbit/s
95th percentile per-packet one-way delay: 52.610 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-06-20 07:14:47

End at: 2018-06-20 07:15:17

Local clock offset: -0.019 ms

Remote clock offset: 0.159 ms

Below is generated by plot.py at 2018-06-20 09:43:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.74 Mbit/s

95th percentile per-packet one-way delay: 54.283 ms

Loss rate: 0.00%

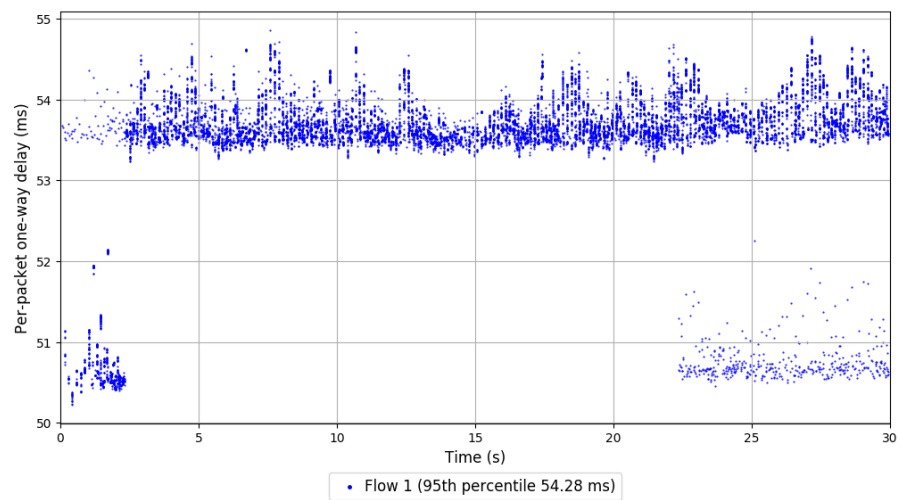
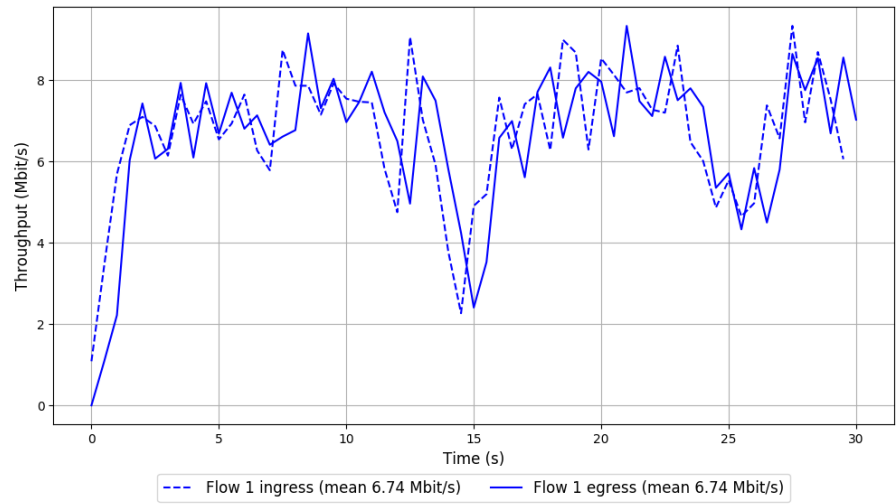
-- Flow 1:

Average throughput: 6.74 Mbit/s

95th percentile per-packet one-way delay: 54.283 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-06-20 07:35:05

End at: 2018-06-20 07:35:35

Local clock offset: 0.211 ms

Remote clock offset: 0.399 ms

Below is generated by plot.py at 2018-06-20 09:43:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.39 Mbit/s

95th percentile per-packet one-way delay: 54.471 ms

Loss rate: 0.00%

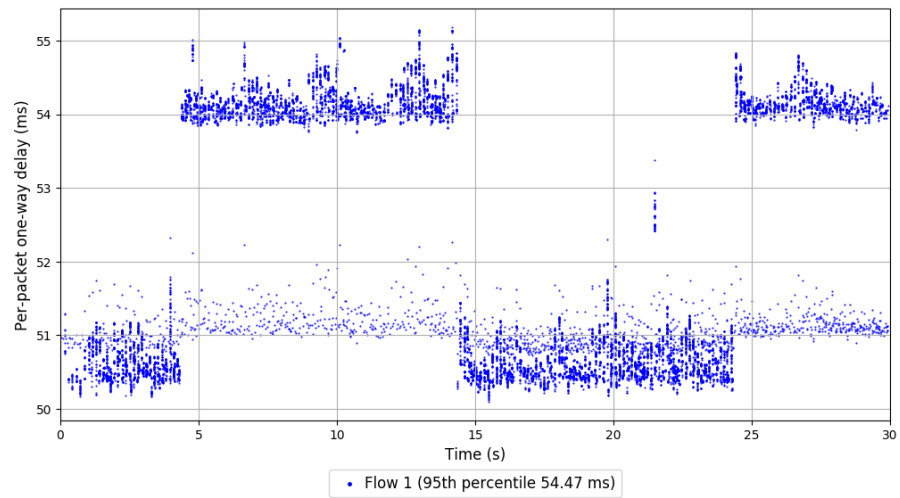
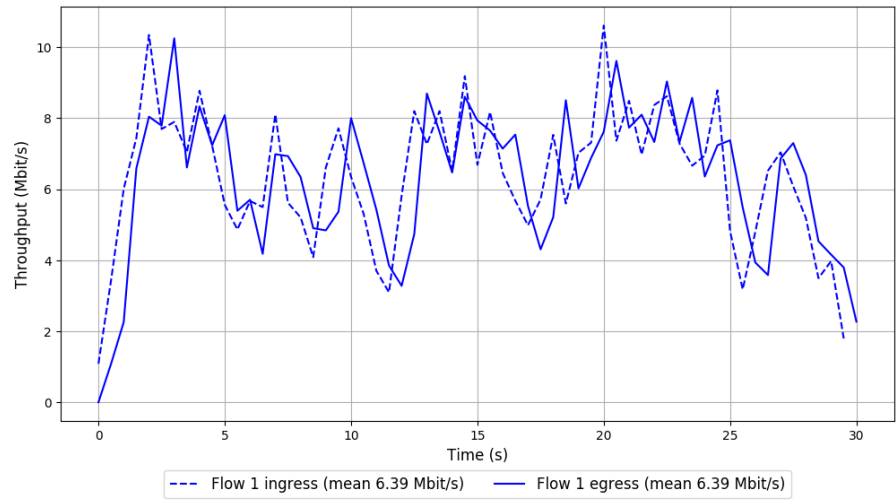
-- Flow 1:

Average throughput: 6.39 Mbit/s

95th percentile per-packet one-way delay: 54.471 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

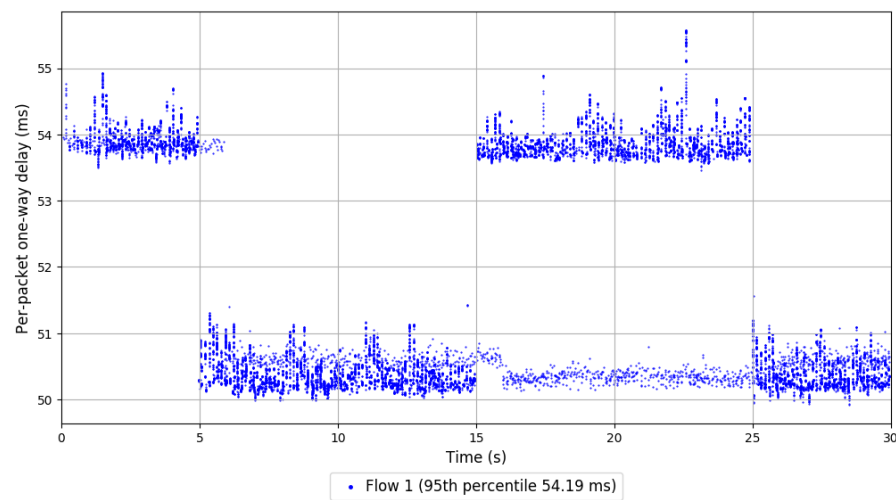
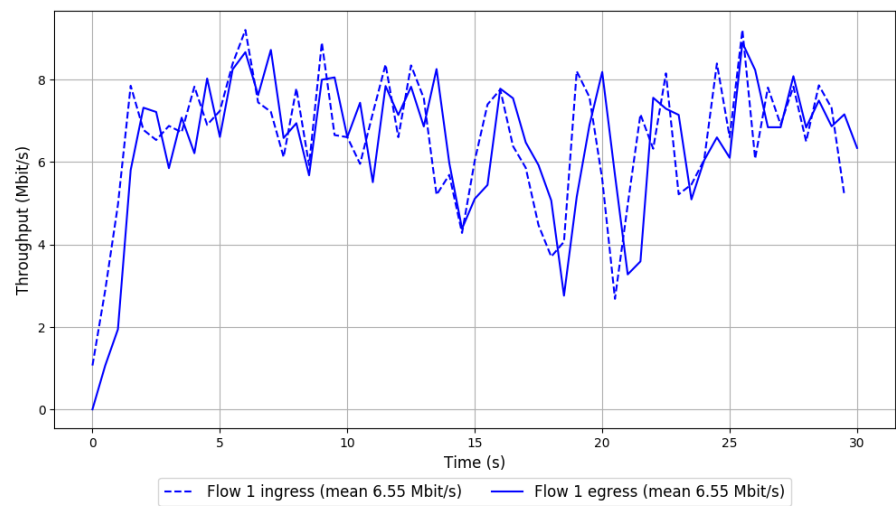


Run 9: Statistics of Sprout

Start at: 2018-06-20 07:55:14
End at: 2018-06-20 07:55:44
Local clock offset: 0.028 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-06-20 09:43:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.55 Mbit/s
95th percentile per-packet one-way delay: 54.187 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.55 Mbit/s
95th percentile per-packet one-way delay: 54.187 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-06-20 08:15:34

End at: 2018-06-20 08:16:04

Local clock offset: 0.086 ms

Remote clock offset: -0.348 ms

Below is generated by plot.py at 2018-06-20 09:43:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.19 Mbit/s

95th percentile per-packet one-way delay: 53.869 ms

Loss rate: 0.00%

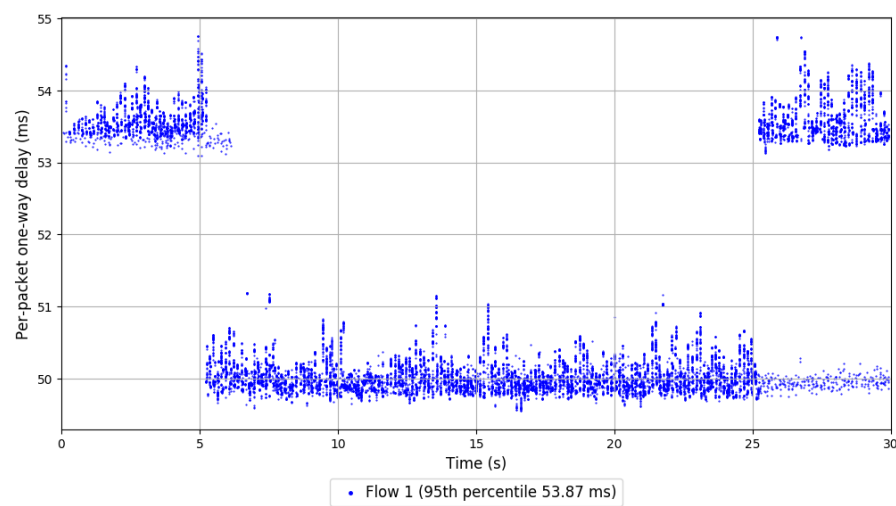
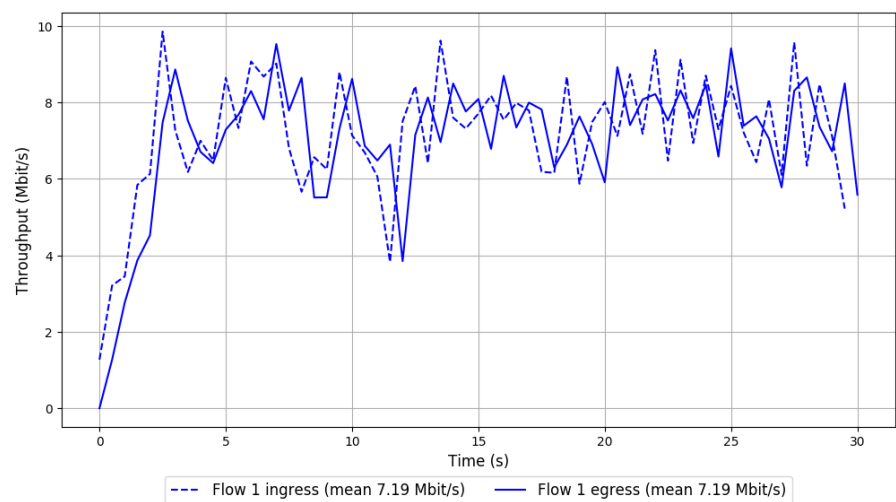
-- Flow 1:

Average throughput: 7.19 Mbit/s

95th percentile per-packet one-way delay: 53.869 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

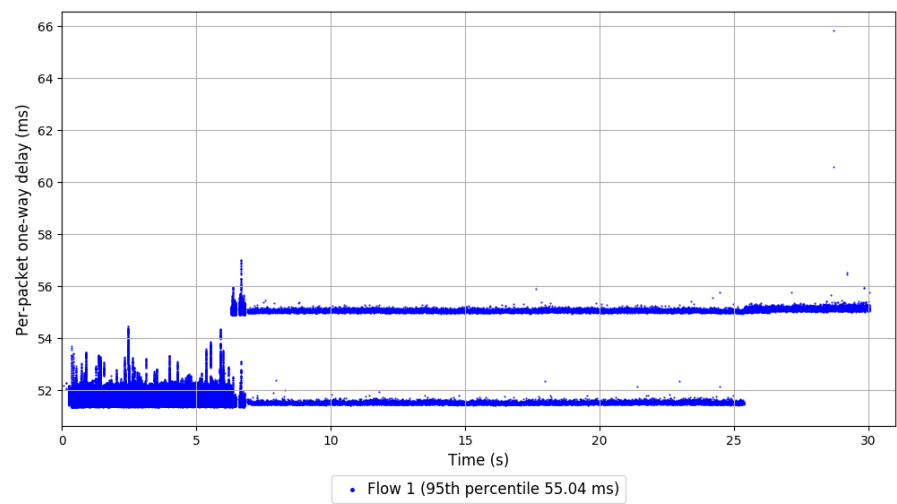
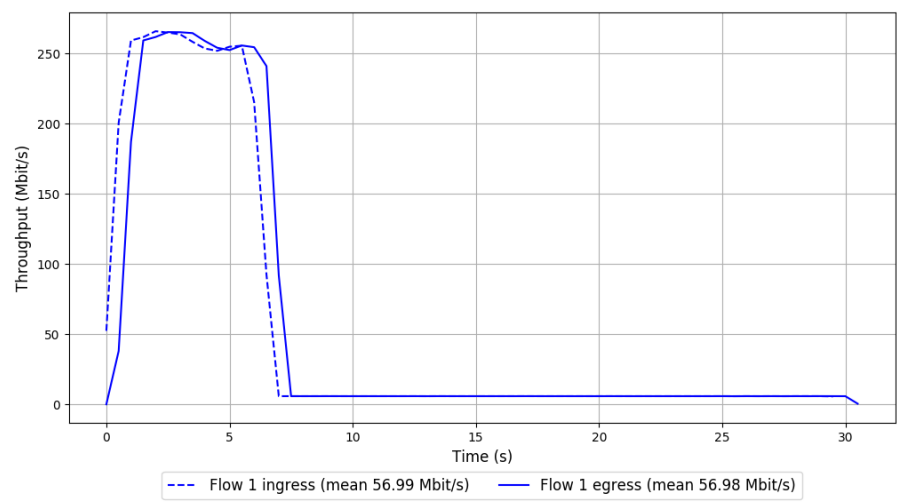


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-06-20 05:09:24
End at: 2018-06-20 05:09:54
Local clock offset: -0.126 ms
Remote clock offset: 1.367 ms

# Below is generated by plot.py at 2018-06-20 09:43:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.98 Mbit/s
95th percentile per-packet one-way delay: 55.036 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.98 Mbit/s
95th percentile per-packet one-way delay: 55.036 ms
Loss rate: 0.00%
```

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



Run 2: Statistics of TaoVA-100x

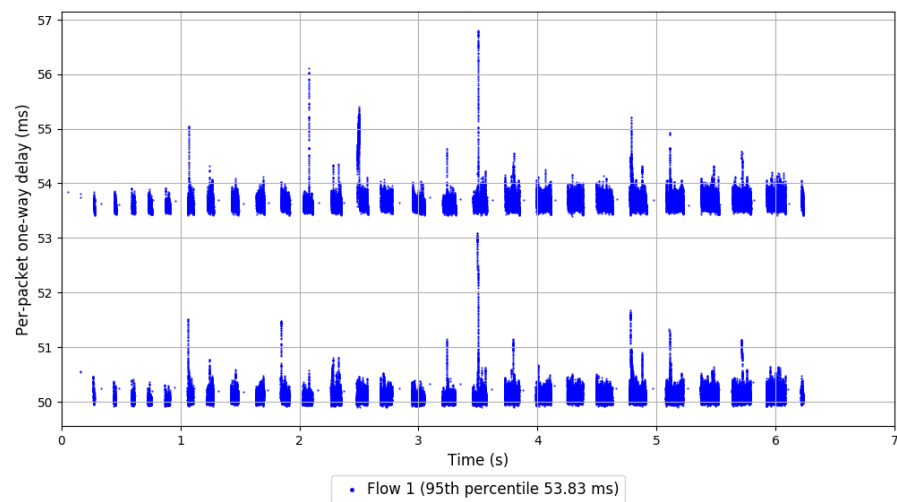
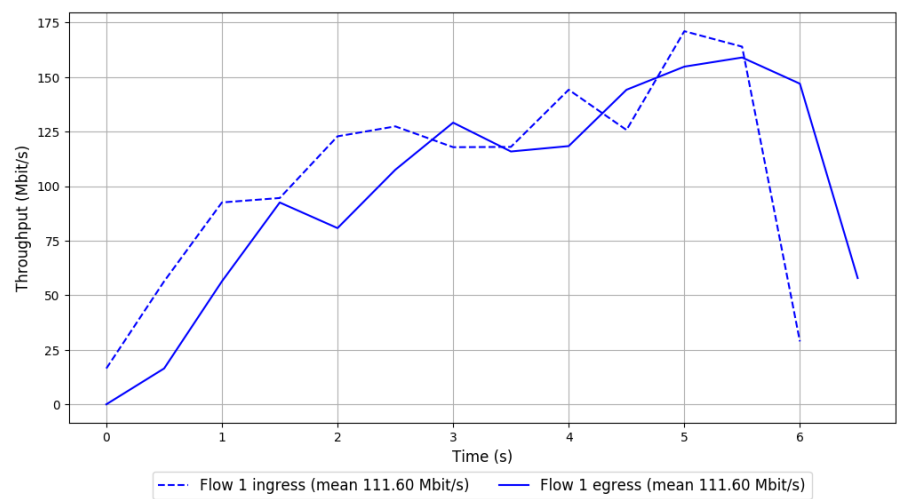
Start at: 2018-06-20 05:29:34

End at: 2018-06-20 05:30:04

Local clock offset: 0.032 ms

Remote clock offset: -0.024 ms

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-06-20 05:49:45

End at: 2018-06-20 05:50:15

Local clock offset: 0.074 ms

Remote clock offset: 0.261 ms

Below is generated by plot.py at 2018-06-20 09:43:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.65 Mbit/s

95th percentile per-packet one-way delay: 53.727 ms

Loss rate: 0.01%

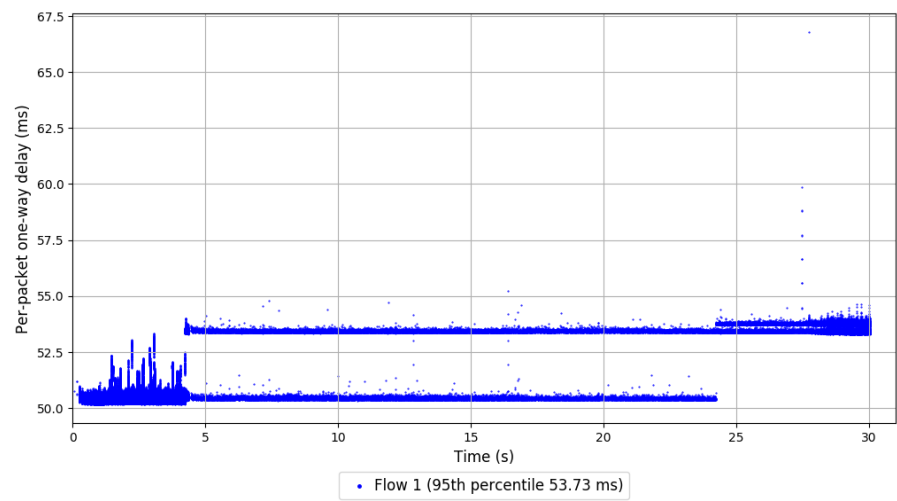
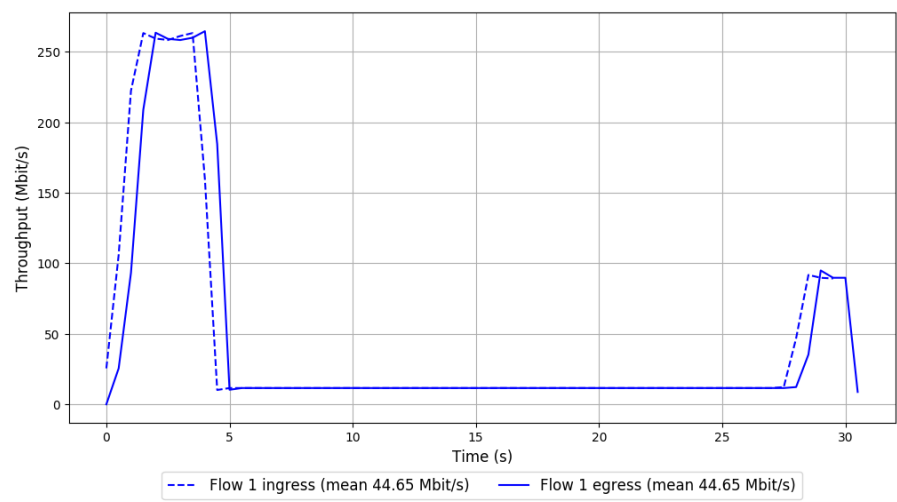
-- Flow 1:

Average throughput: 44.65 Mbit/s

95th percentile per-packet one-way delay: 53.727 ms

Loss rate: 0.01%

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

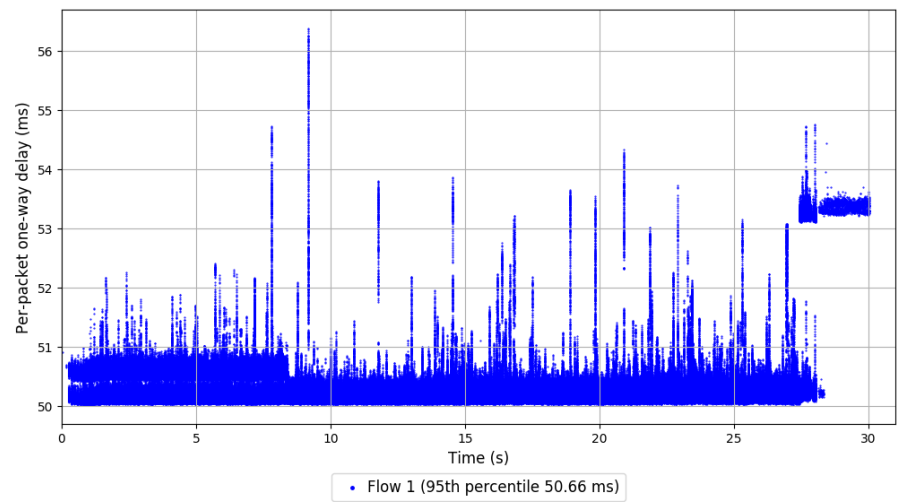
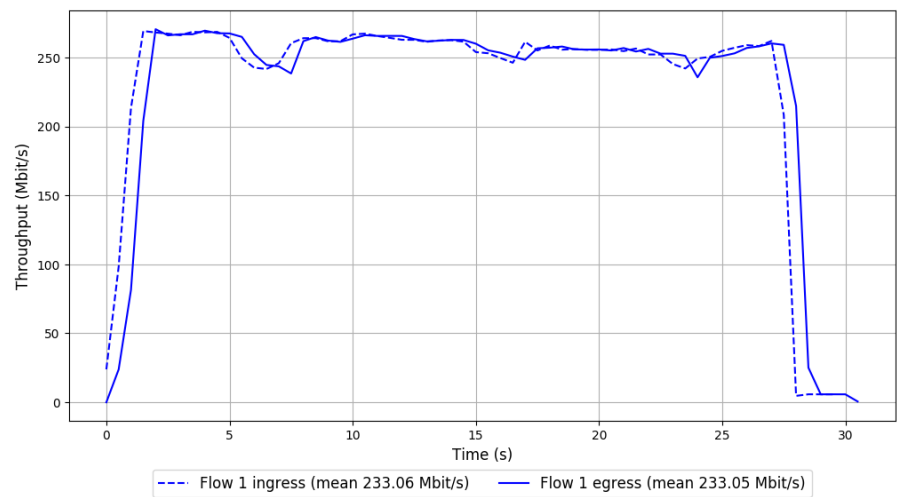


Run 4: Statistics of TaoVA-100x

Start at: 2018-06-20 06:10:02
End at: 2018-06-20 06:10:32
Local clock offset: -0.099 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-06-20 09:43:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 233.05 Mbit/s
95th percentile per-packet one-way delay: 50.662 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 233.05 Mbit/s
95th percentile per-packet one-way delay: 50.662 ms
Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-06-20 06:30:44

End at: 2018-06-20 06:31:14

Local clock offset: -0.004 ms

Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-06-20 09:43:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.20 Mbit/s

95th percentile per-packet one-way delay: 53.674 ms

Loss rate: 0.00%

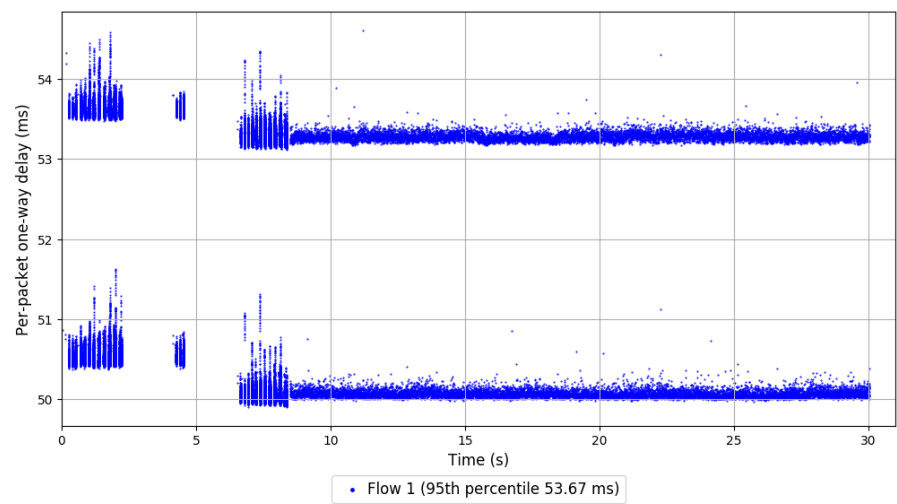
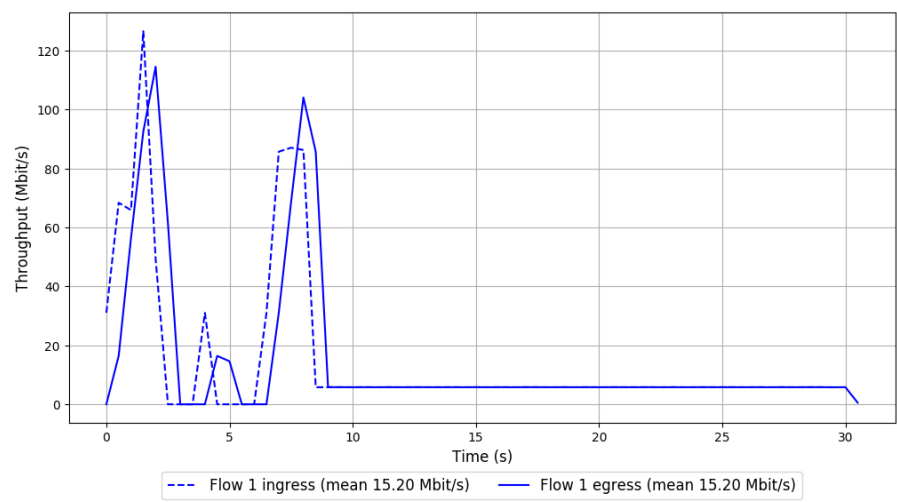
-- Flow 1:

Average throughput: 15.20 Mbit/s

95th percentile per-packet one-way delay: 53.674 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-06-20 06:51:17

End at: 2018-06-20 06:51:47

Local clock offset: 0.035 ms

Remote clock offset: 0.104 ms

Below is generated by plot.py at 2018-06-20 09:44:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 247.81 Mbit/s

95th percentile per-packet one-way delay: 53.887 ms

Loss rate: 0.00%

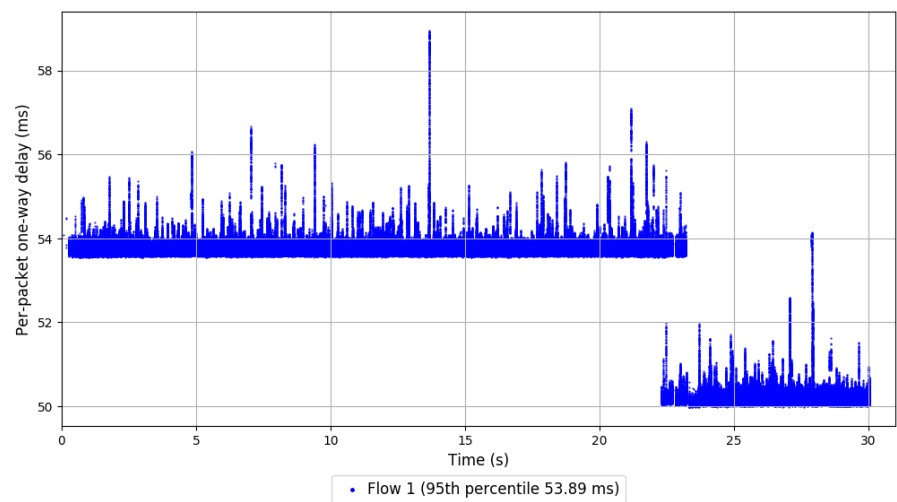
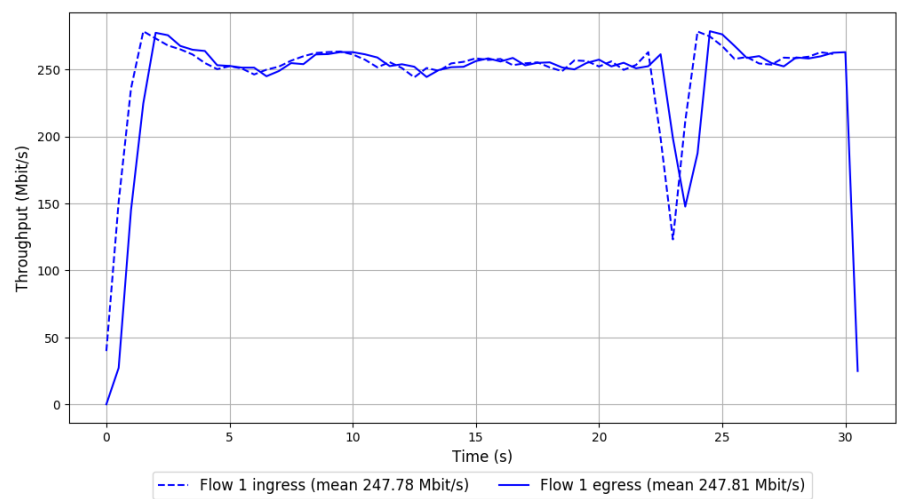
-- Flow 1:

Average throughput: 247.81 Mbit/s

95th percentile per-packet one-way delay: 53.887 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-06-20 07:12:08

End at: 2018-06-20 07:12:38

Local clock offset: 0.216 ms

Remote clock offset: 1.188 ms

Below is generated by plot.py at 2018-06-20 09:44:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 151.16 Mbit/s

95th percentile per-packet one-way delay: 54.561 ms

Loss rate: 0.00%

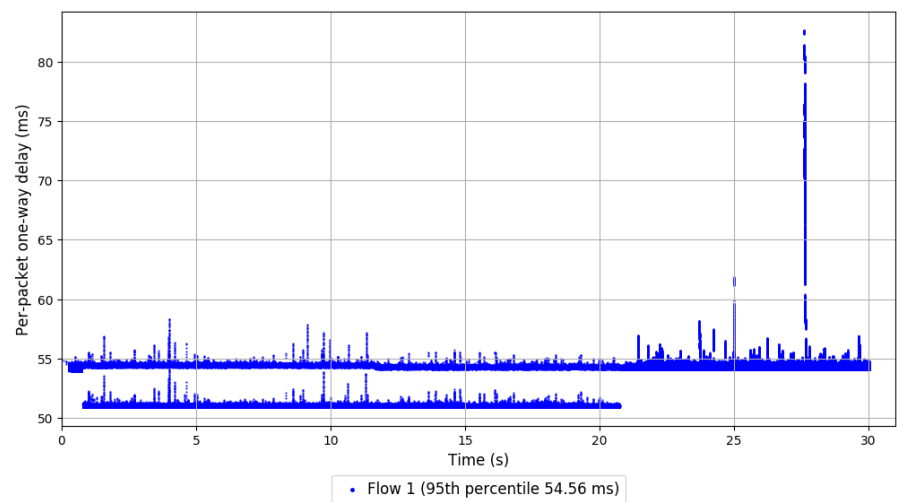
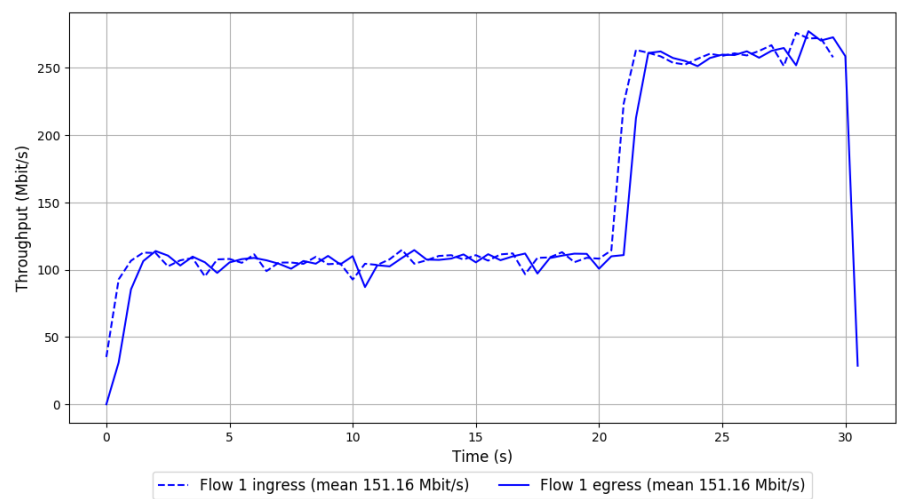
-- Flow 1:

Average throughput: 151.16 Mbit/s

95th percentile per-packet one-way delay: 54.561 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-06-20 07:32:39

End at: 2018-06-20 07:33:09

Local clock offset: 0.189 ms

Remote clock offset: 0.092 ms

Below is generated by plot.py at 2018-06-20 09:44:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 19.04 Mbit/s

95th percentile per-packet one-way delay: 53.712 ms

Loss rate: 0.00%

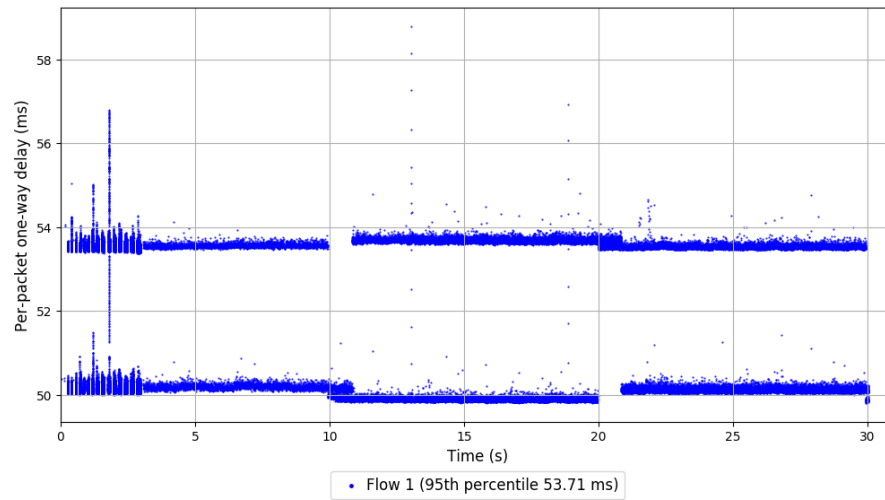
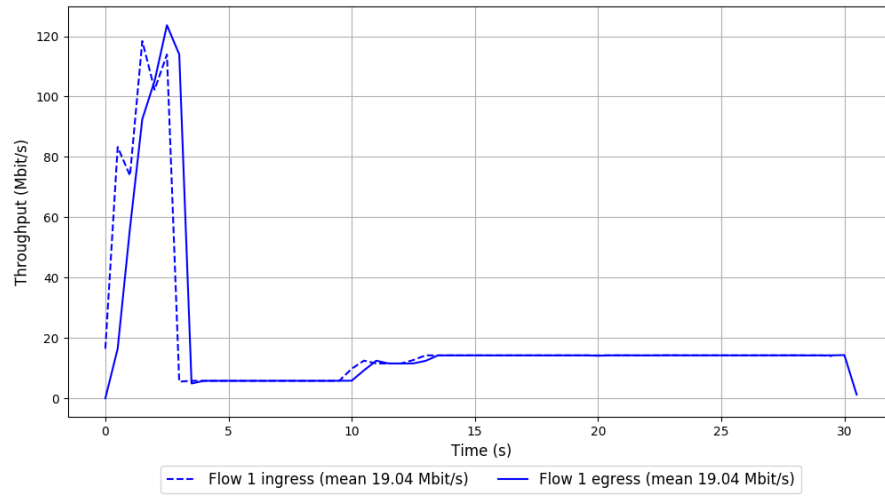
-- Flow 1:

Average throughput: 19.04 Mbit/s

95th percentile per-packet one-way delay: 53.712 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

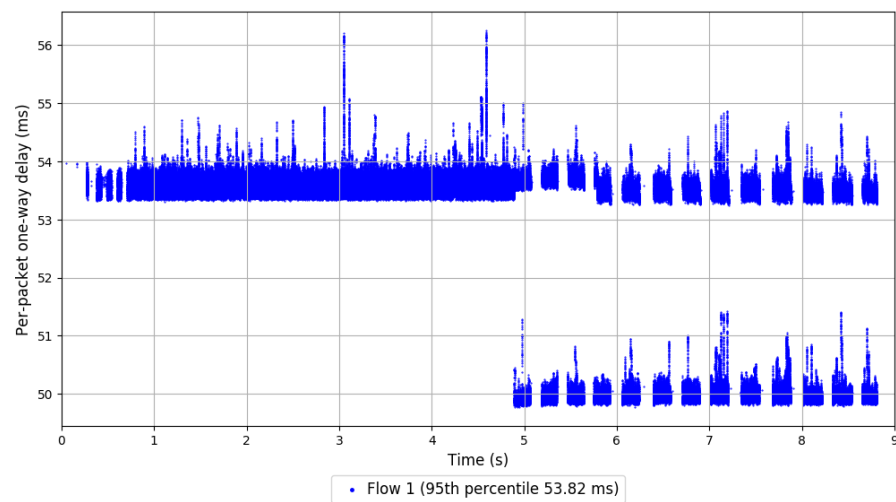
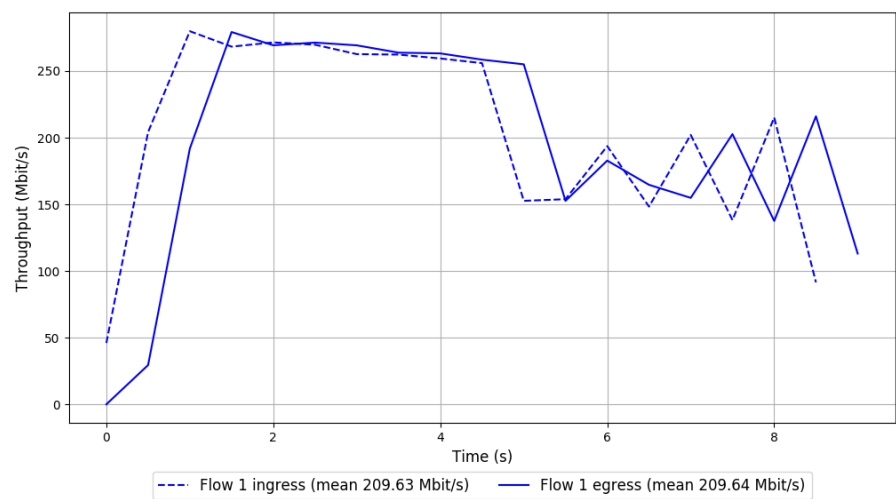
Start at: 2018-06-20 07:52:44

End at: 2018-06-20 07:53:14

Local clock offset: -0.139 ms

Remote clock offset: -0.27 ms

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-06-20 08:13:08

End at: 2018-06-20 08:13:38

Local clock offset: -0.129 ms

Remote clock offset: 1.143 ms

Below is generated by plot.py at 2018-06-20 09:44:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.91 Mbit/s

95th percentile per-packet one-way delay: 54.957 ms

Loss rate: 0.00%

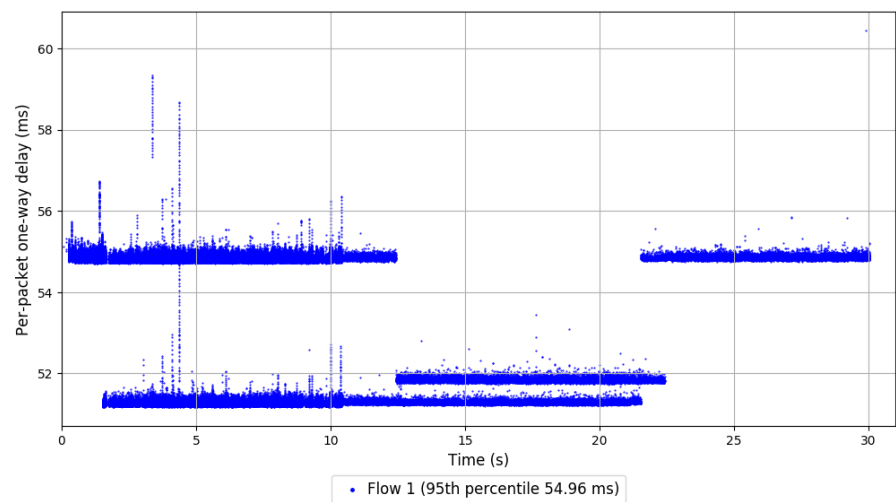
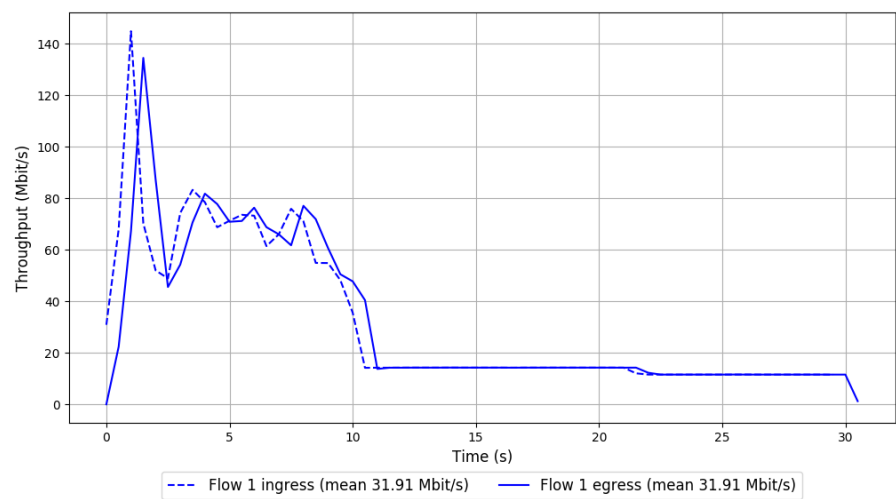
-- Flow 1:

Average throughput: 31.91 Mbit/s

95th percentile per-packet one-way delay: 54.957 ms

Loss rate: 0.00%

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

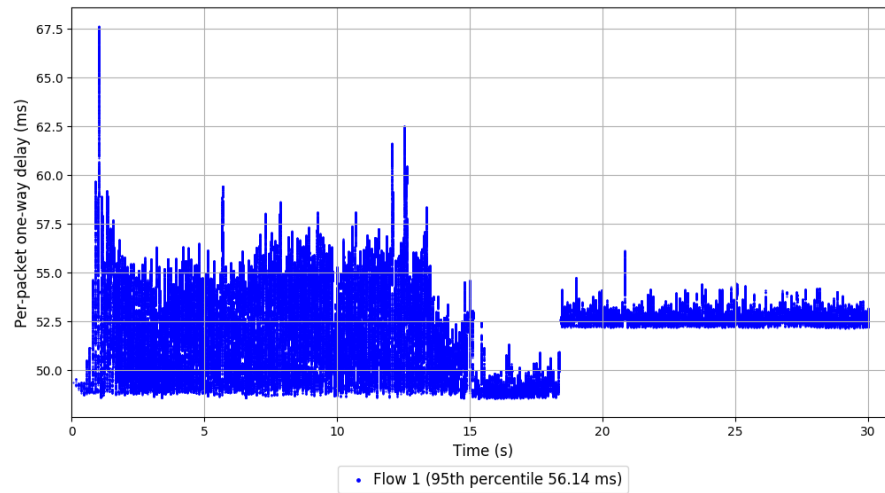
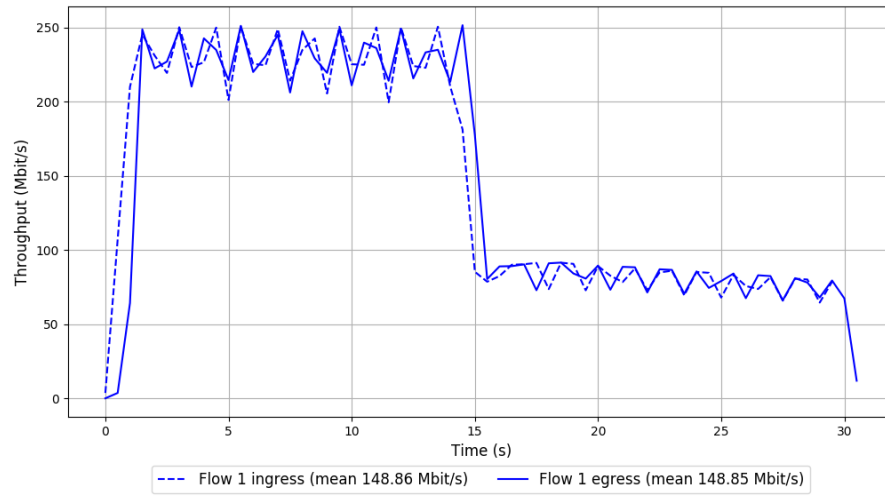


Run 1: Statistics of TCP Vegas

Start at: 2018-06-20 05:08:11
End at: 2018-06-20 05:08:41
Local clock offset: -0.086 ms
Remote clock offset: -1.408 ms

Below is generated by plot.py at 2018-06-20 09:44:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 148.85 Mbit/s
95th percentile per-packet one-way delay: 56.140 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 148.85 Mbit/s
95th percentile per-packet one-way delay: 56.140 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

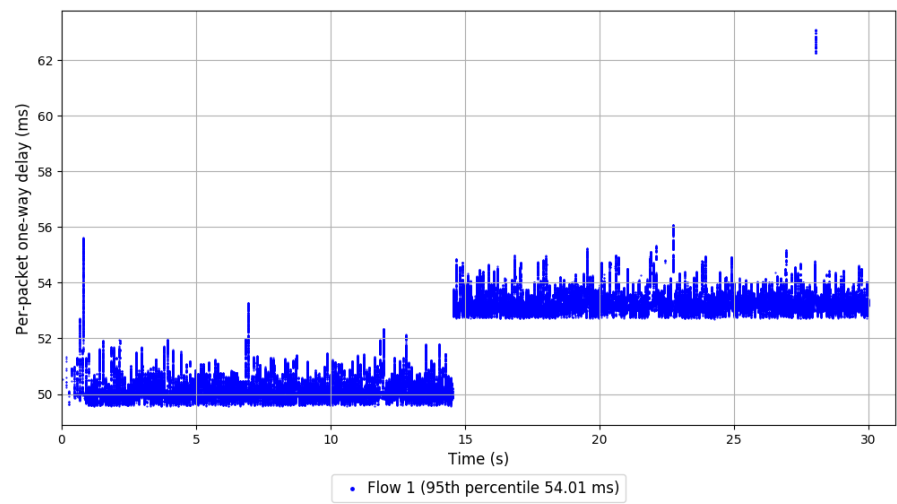
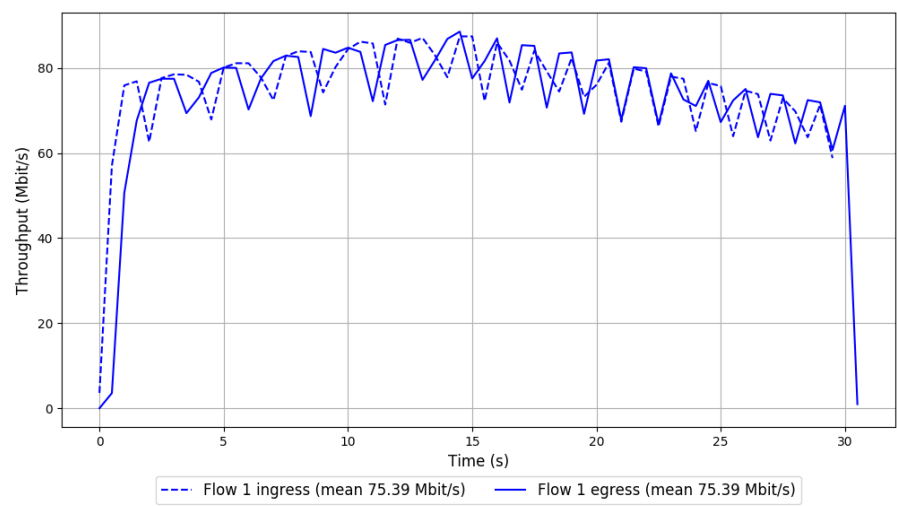


Run 2: Statistics of TCP Vegas

Start at: 2018-06-20 05:28:24
End at: 2018-06-20 05:28:55
Local clock offset: 0.224 ms
Remote clock offset: -0.157 ms

Below is generated by plot.py at 2018-06-20 09:44:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.39 Mbit/s
95th percentile per-packet one-way delay: 54.012 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 75.39 Mbit/s
95th percentile per-packet one-way delay: 54.012 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

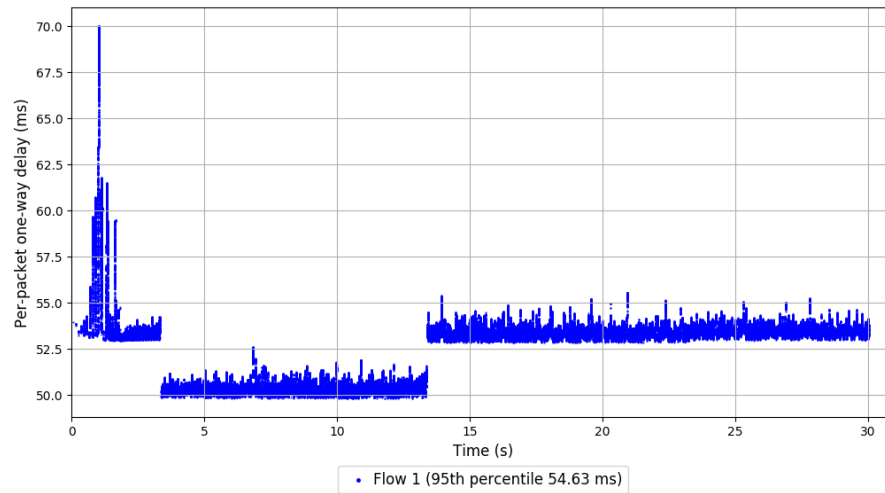
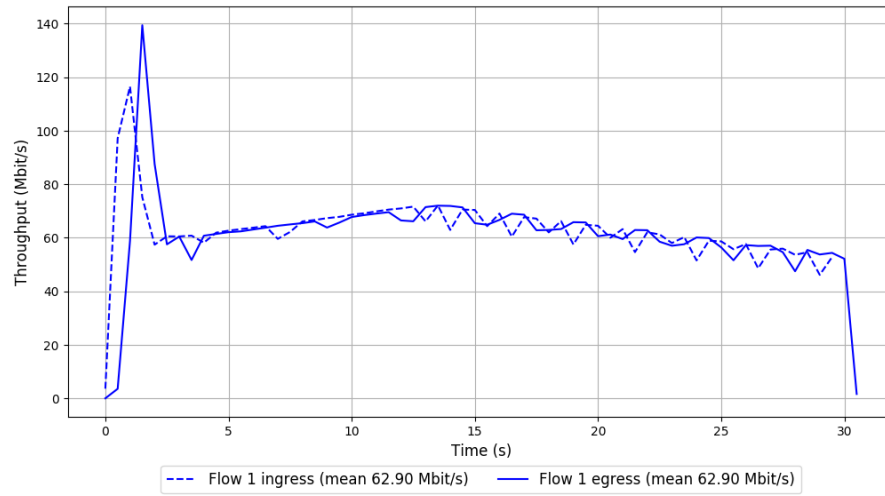


Run 3: Statistics of TCP Vegas

Start at: 2018-06-20 05:48:36
End at: 2018-06-20 05:49:06
Local clock offset: 0.108 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-06-20 09:44:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.90 Mbit/s
95th percentile per-packet one-way delay: 54.626 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.90 Mbit/s
95th percentile per-packet one-way delay: 54.626 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-06-20 06:08:52

End at: 2018-06-20 06:09:22

Local clock offset: -0.029 ms

Remote clock offset: 0.101 ms

Below is generated by plot.py at 2018-06-20 09:44:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.12 Mbit/s

95th percentile per-packet one-way delay: 53.965 ms

Loss rate: 0.00%

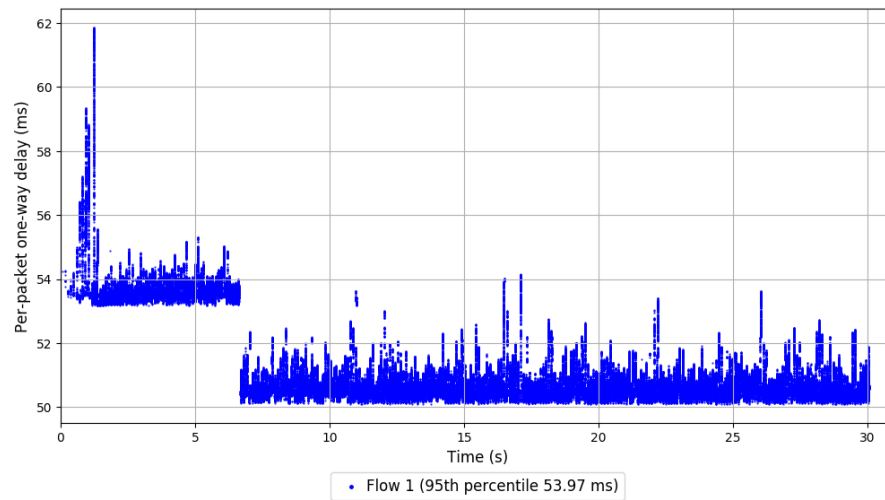
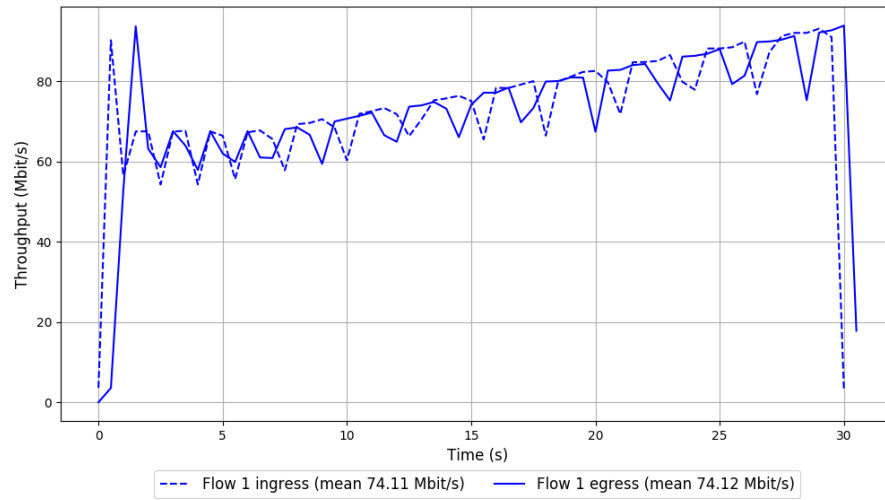
-- Flow 1:

Average throughput: 74.12 Mbit/s

95th percentile per-packet one-way delay: 53.965 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

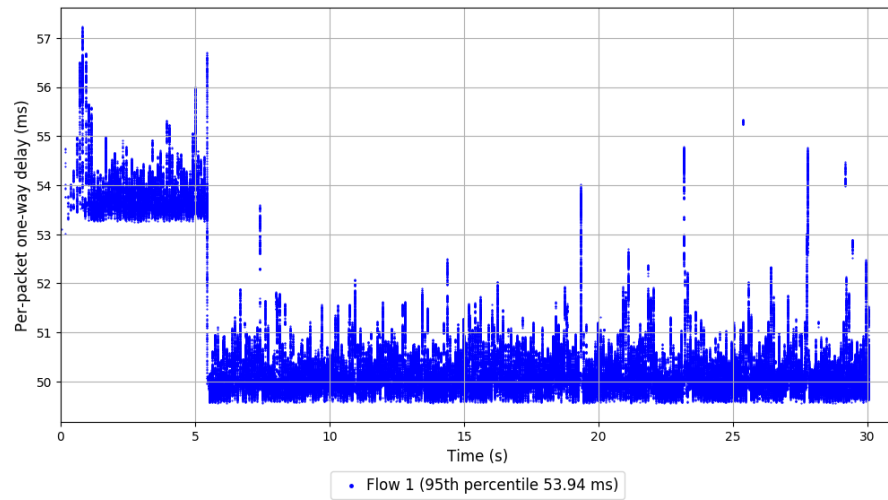
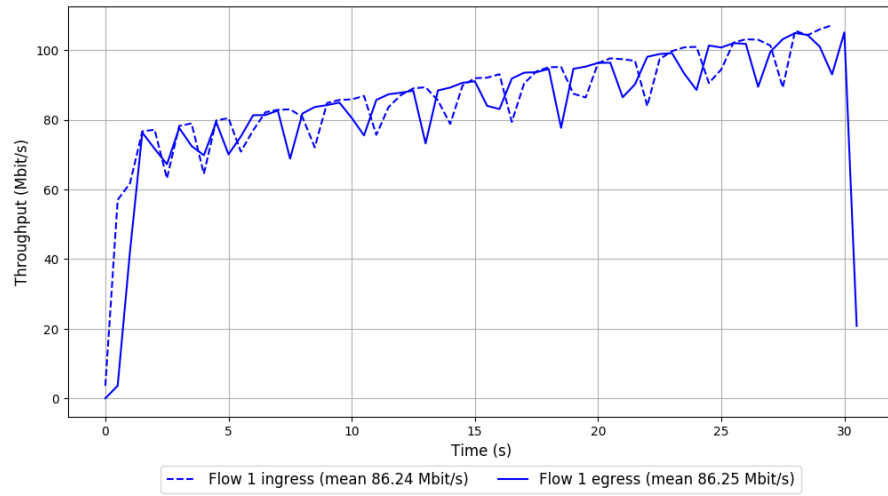


Run 5: Statistics of TCP Vegas

Start at: 2018-06-20 06:29:34
End at: 2018-06-20 06:30:04
Local clock offset: 0.042 ms
Remote clock offset: -0.426 ms

Below is generated by plot.py at 2018-06-20 09:44:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.25 Mbit/s
95th percentile per-packet one-way delay: 53.943 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.25 Mbit/s
95th percentile per-packet one-way delay: 53.943 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

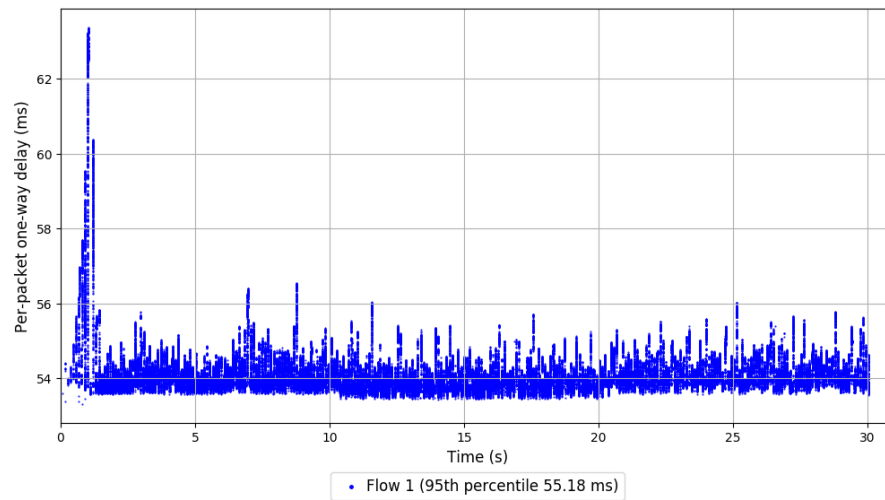
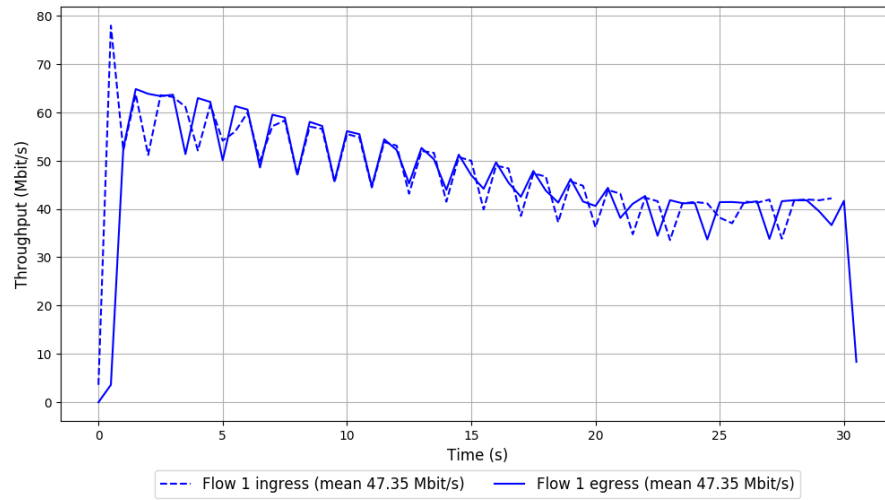


Run 6: Statistics of TCP Vegas

Start at: 2018-06-20 06:50:09
End at: 2018-06-20 06:50:39
Local clock offset: 0.081 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-06-20 09:44:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 47.35 Mbit/s
95th percentile per-packet one-way delay: 55.179 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.35 Mbit/s
95th percentile per-packet one-way delay: 55.179 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-06-20 07:10:56

End at: 2018-06-20 07:11:26

Local clock offset: 0.146 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-06-20 09:44:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 137.72 Mbit/s

95th percentile per-packet one-way delay: 53.950 ms

Loss rate: 0.00%

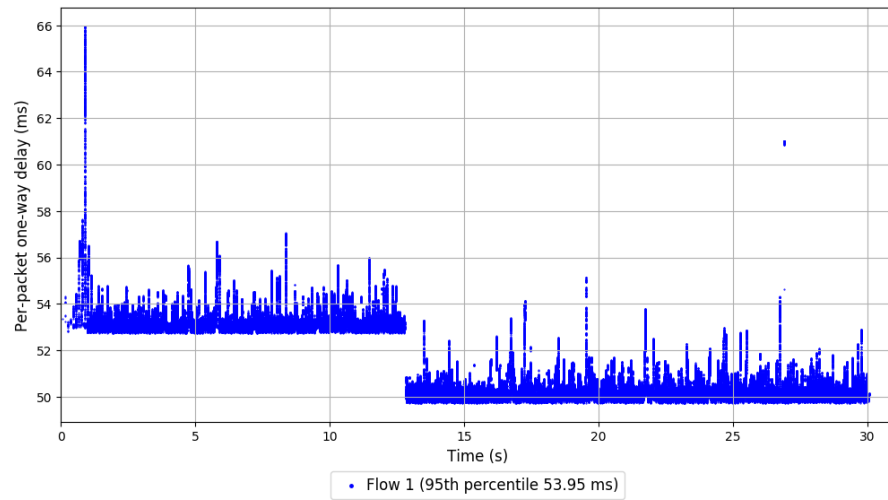
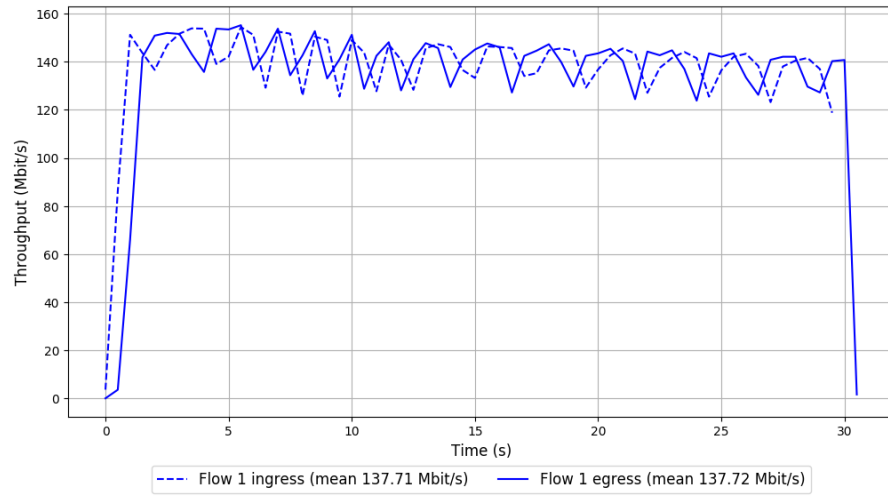
-- Flow 1:

Average throughput: 137.72 Mbit/s

95th percentile per-packet one-way delay: 53.950 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-06-20 07:31:30

End at: 2018-06-20 07:32:00

Local clock offset: -0.064 ms

Remote clock offset: 0.12 ms

Below is generated by plot.py at 2018-06-20 09:44:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.30 Mbit/s

95th percentile per-packet one-way delay: 55.135 ms

Loss rate: 0.00%

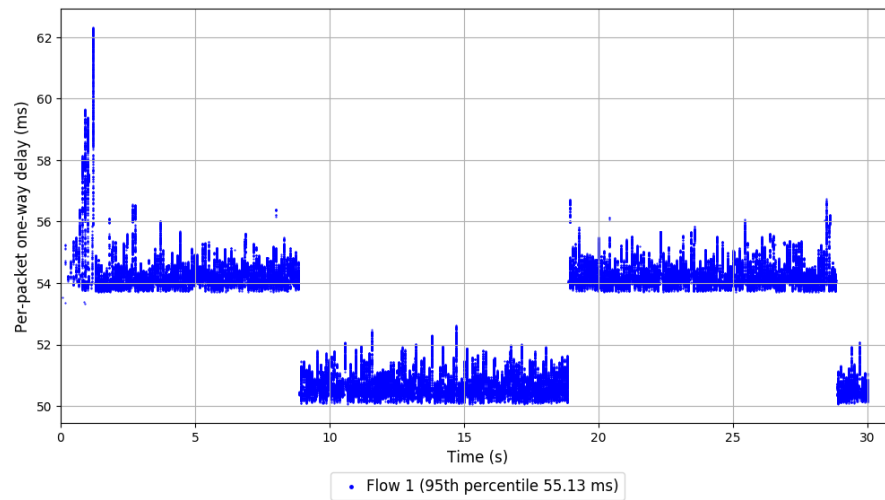
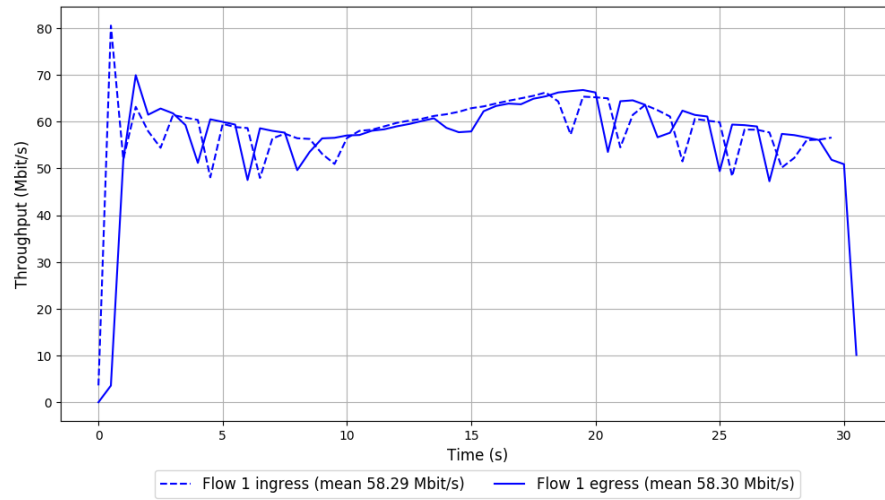
-- Flow 1:

Average throughput: 58.30 Mbit/s

95th percentile per-packet one-way delay: 55.135 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

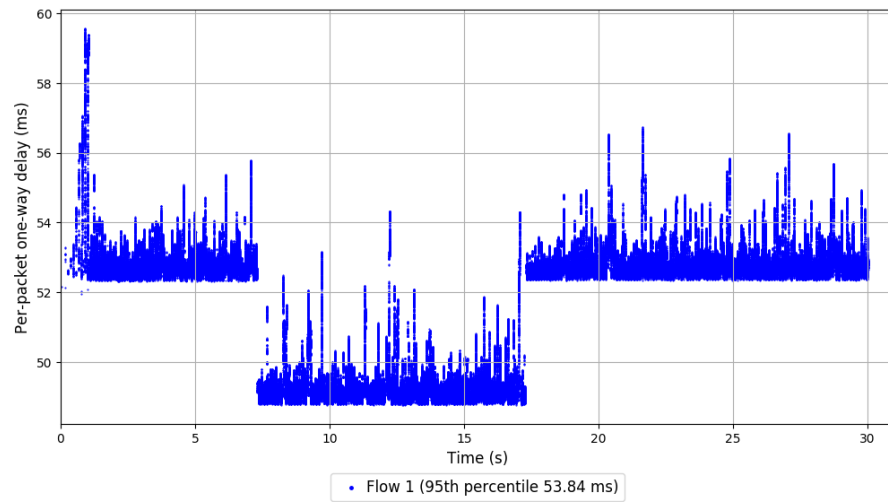
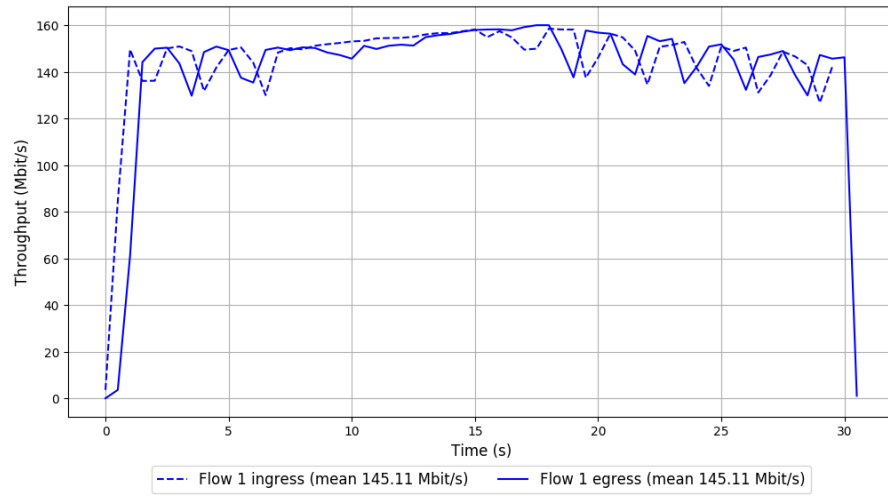


Run 9: Statistics of TCP Vegas

Start at: 2018-06-20 07:51:32
End at: 2018-06-20 07:52:02
Local clock offset: -0.07 ms
Remote clock offset: -1.218 ms

Below is generated by plot.py at 2018-06-20 09:44:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 145.11 Mbit/s
95th percentile per-packet one-way delay: 53.836 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 145.11 Mbit/s
95th percentile per-packet one-way delay: 53.836 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

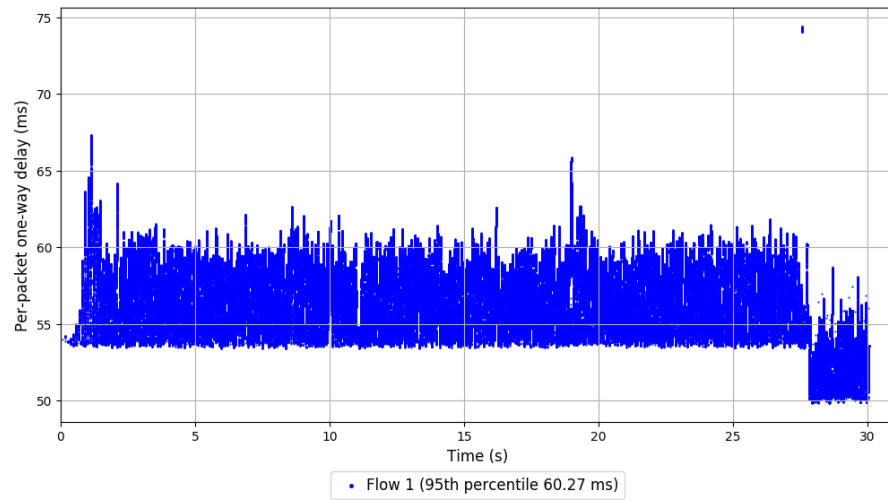
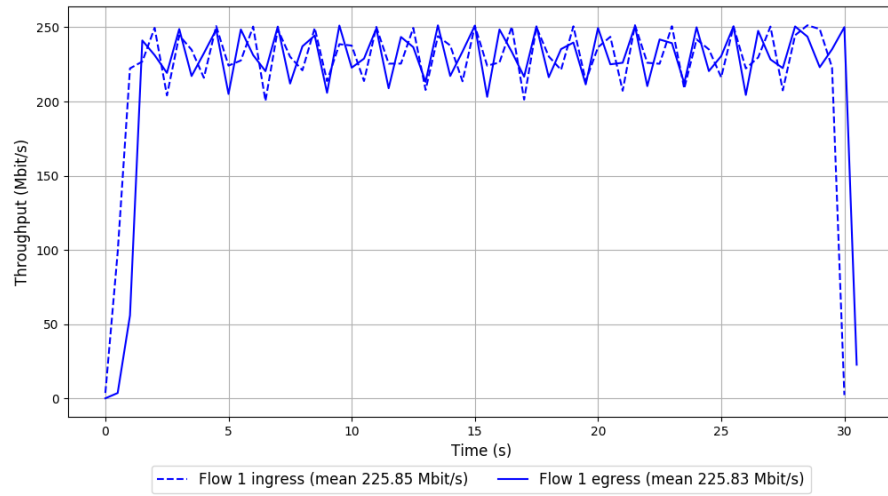


Run 10: Statistics of TCP Vegas

Start at: 2018-06-20 08:11:51
End at: 2018-06-20 08:12:21
Local clock offset: 0.008 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-06-20 09:46:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 225.83 Mbit/s
95th percentile per-packet one-way delay: 60.268 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 225.83 Mbit/s
95th percentile per-packet one-way delay: 60.268 ms
Loss rate: 0.02%

Run 10: Report of TCP Vegas — Data Link

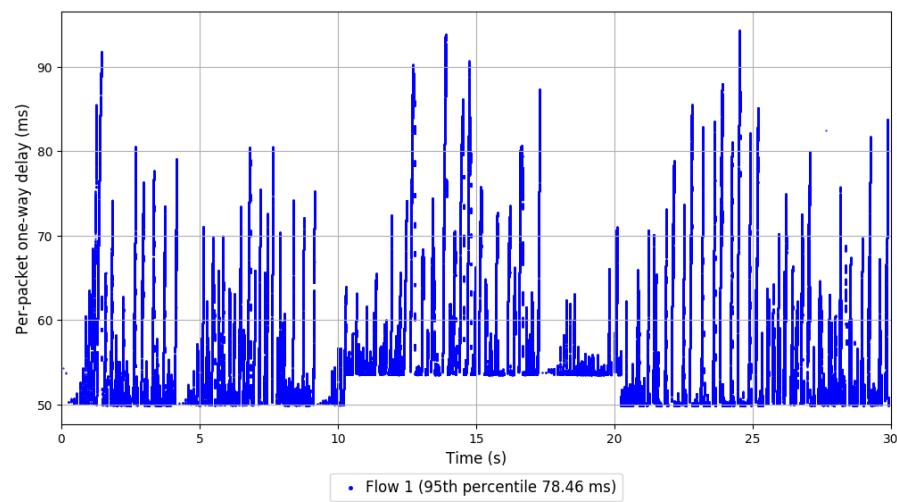
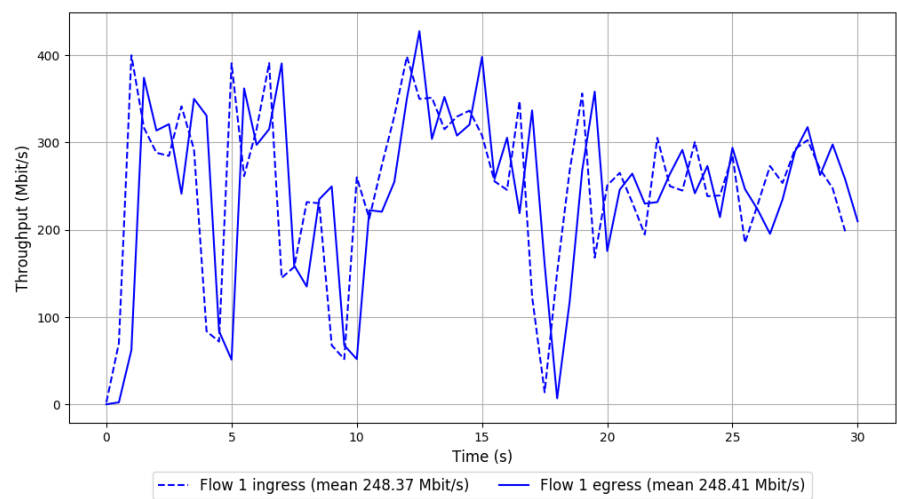


Run 1: Statistics of Verus

Start at: 2018-06-20 05:15:19
End at: 2018-06-20 05:15:49
Local clock offset: -0.155 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-06-20 09:47:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 248.41 Mbit/s
95th percentile per-packet one-way delay: 78.462 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 248.41 Mbit/s
95th percentile per-packet one-way delay: 78.462 ms
Loss rate: 0.00%

Run 1: Report of Verus — Data Link

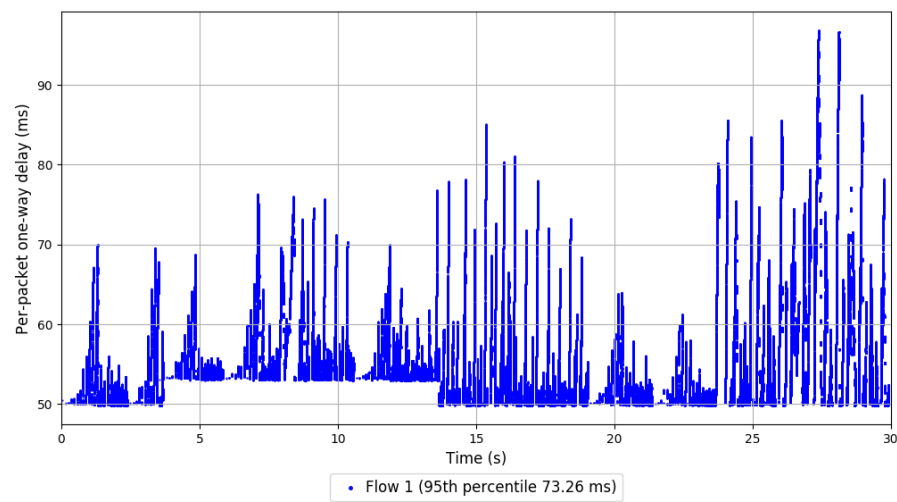
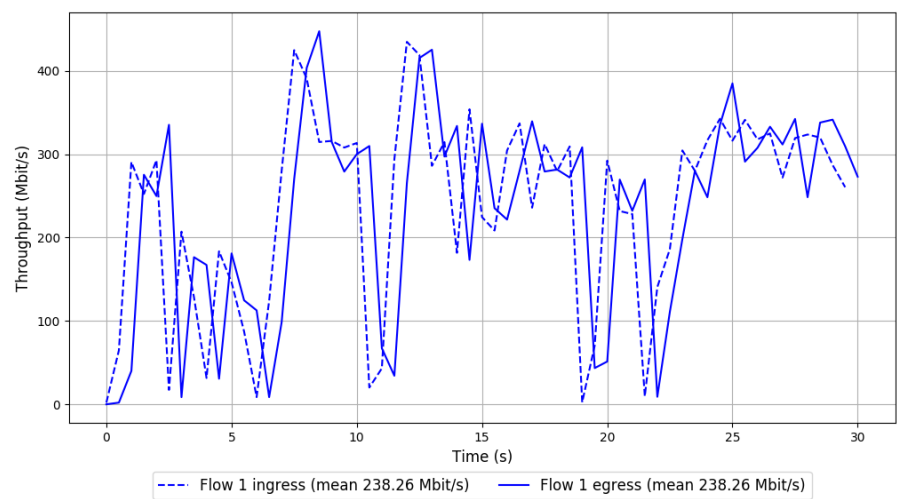


Run 2: Statistics of Verus

Start at: 2018-06-20 05:35:25
End at: 2018-06-20 05:35:55
Local clock offset: -0.137 ms
Remote clock offset: -0.273 ms

Below is generated by plot.py at 2018-06-20 09:47:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 238.26 Mbit/s
95th percentile per-packet one-way delay: 73.264 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 238.26 Mbit/s
95th percentile per-packet one-way delay: 73.264 ms
Loss rate: 0.00%

Run 2: Report of Verus — Data Link

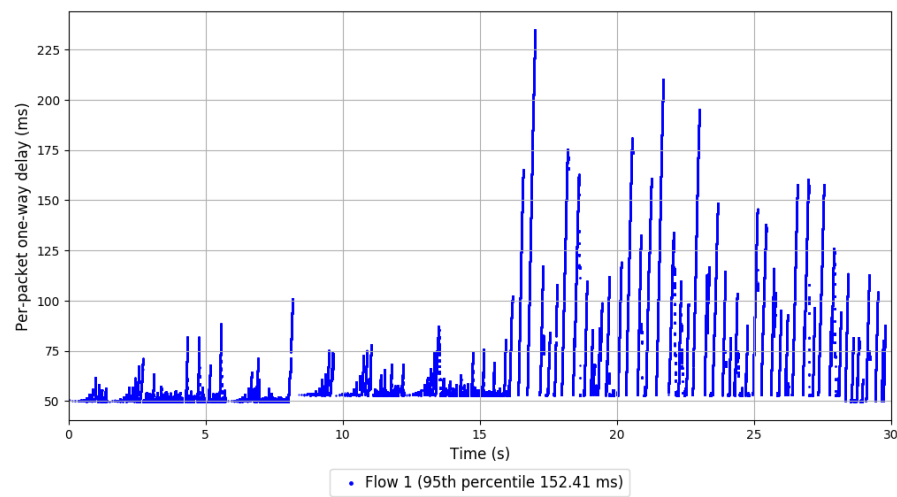
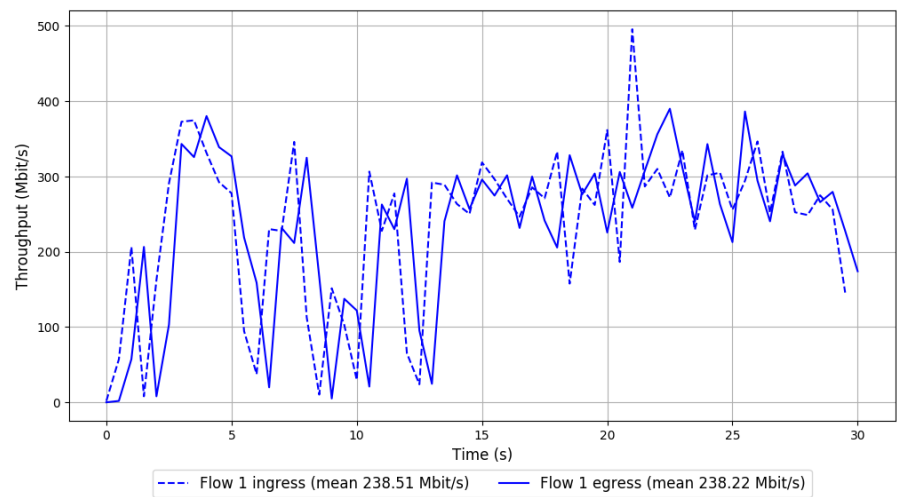


Run 3: Statistics of Verus

Start at: 2018-06-20 05:55:41
End at: 2018-06-20 05:56:11
Local clock offset: 0.141 ms
Remote clock offset: -0.146 ms

Below is generated by plot.py at 2018-06-20 09:47:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 238.22 Mbit/s
95th percentile per-packet one-way delay: 152.410 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 238.22 Mbit/s
95th percentile per-packet one-way delay: 152.410 ms
Loss rate: 0.00%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-06-20 06:16:16

End at: 2018-06-20 06:16:46

Local clock offset: -0.006 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2018-06-20 09:48:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 268.41 Mbit/s

95th percentile per-packet one-way delay: 101.339 ms

Loss rate: 0.00%

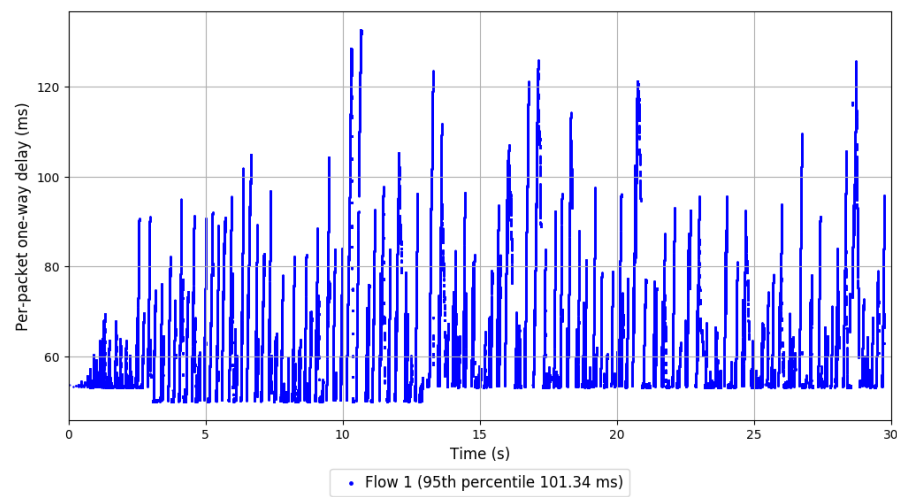
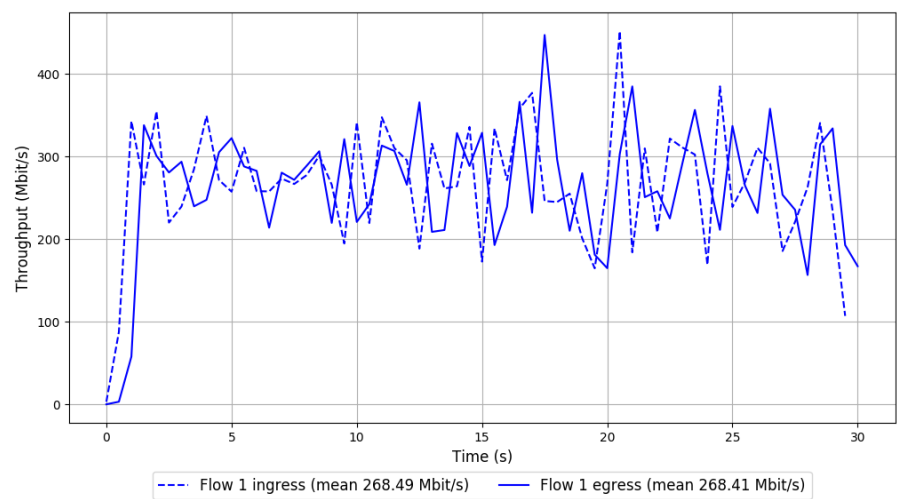
-- Flow 1:

Average throughput: 268.41 Mbit/s

95th percentile per-packet one-way delay: 101.339 ms

Loss rate: 0.00%

Run 4: Report of Verus — Data Link

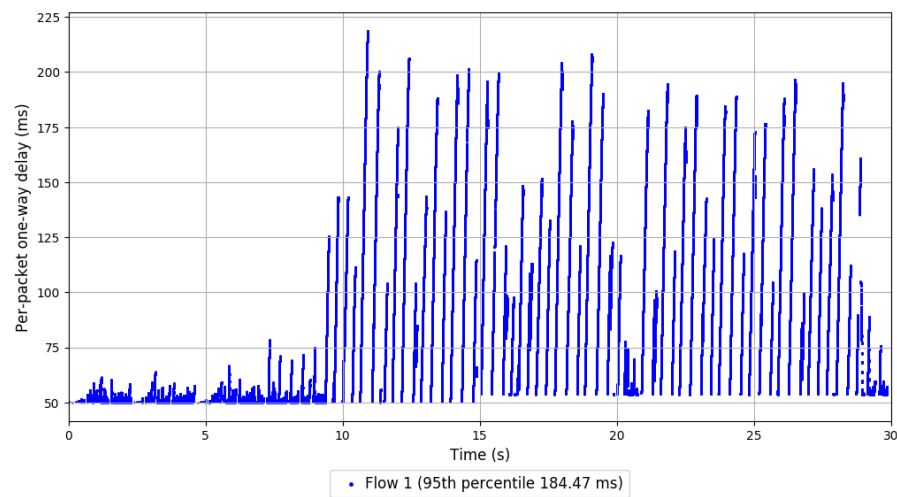
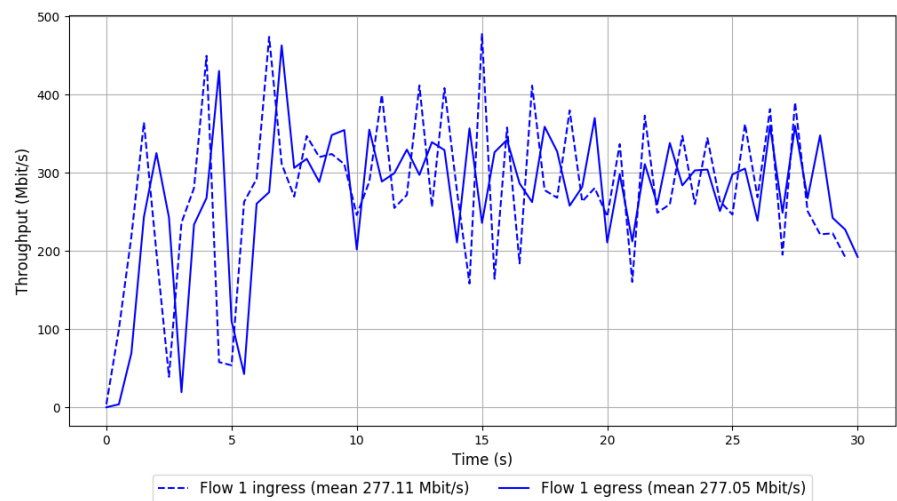


Run 5: Statistics of Verus

Start at: 2018-06-20 06:36:34
End at: 2018-06-20 06:37:04
Local clock offset: 0.03 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-06-20 09:49:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 277.05 Mbit/s
95th percentile per-packet one-way delay: 184.475 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 277.05 Mbit/s
95th percentile per-packet one-way delay: 184.475 ms
Loss rate: 0.00%

Run 5: Report of Verus — Data Link

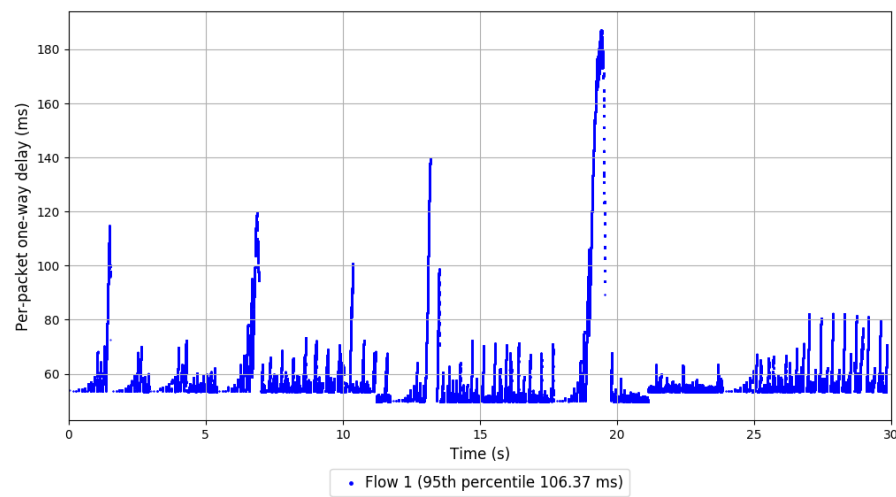
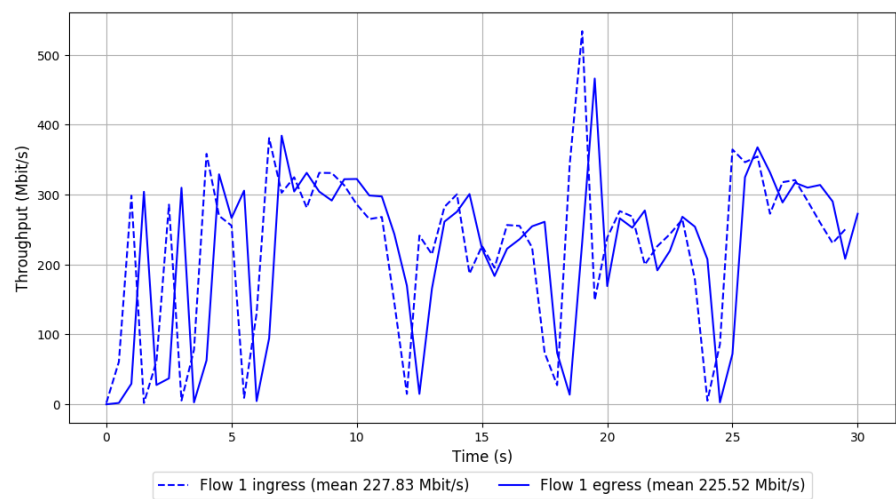


Run 6: Statistics of Verus

Start at: 2018-06-20 06:57:28
End at: 2018-06-20 06:57:58
Local clock offset: 0.121 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2018-06-20 09:49:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 225.52 Mbit/s
95th percentile per-packet one-way delay: 106.373 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 225.52 Mbit/s
95th percentile per-packet one-way delay: 106.373 ms
Loss rate: 0.96%

Run 6: Report of Verus — Data Link

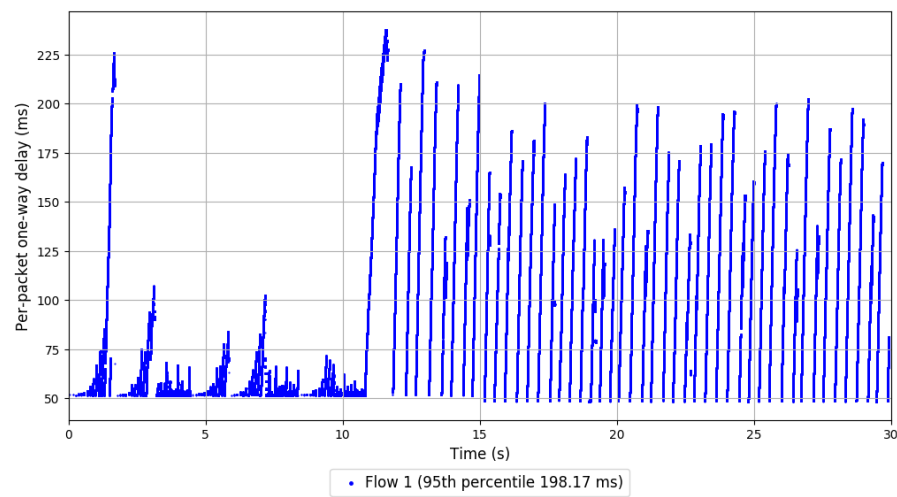
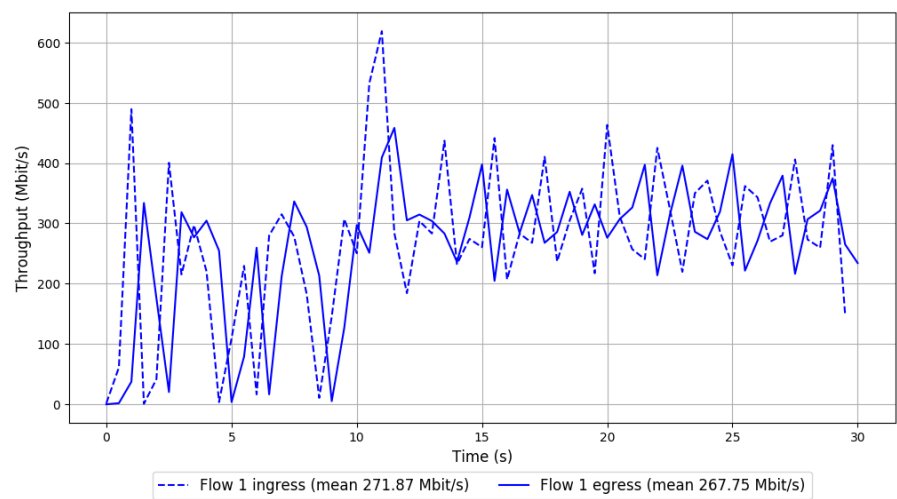


Run 7: Statistics of Verus

Start at: 2018-06-20 07:18:14
End at: 2018-06-20 07:18:44
Local clock offset: 0.07 ms
Remote clock offset: -1.544 ms

Below is generated by plot.py at 2018-06-20 09:49:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 267.75 Mbit/s
95th percentile per-packet one-way delay: 198.171 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 267.75 Mbit/s
95th percentile per-packet one-way delay: 198.171 ms
Loss rate: 1.53%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-06-20 07:38:29

End at: 2018-06-20 07:38:59

Local clock offset: -0.057 ms

Remote clock offset: 0.206 ms

Below is generated by plot.py at 2018-06-20 09:51:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 257.22 Mbit/s

95th percentile per-packet one-way delay: 146.459 ms

Loss rate: 0.27%

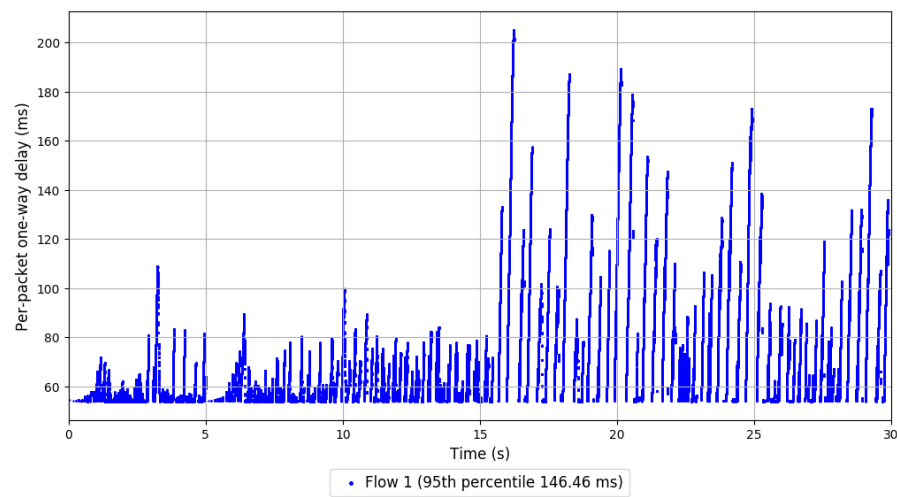
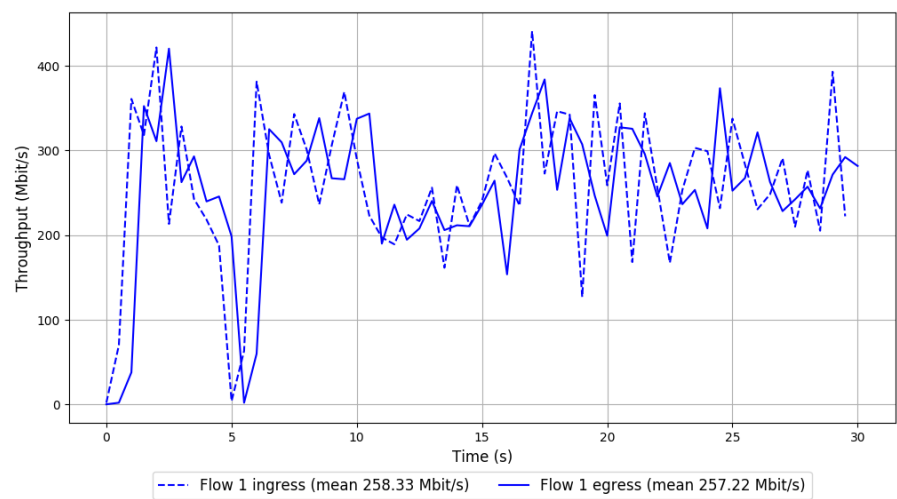
-- Flow 1:

Average throughput: 257.22 Mbit/s

95th percentile per-packet one-way delay: 146.459 ms

Loss rate: 0.27%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-06-20 07:58:38

End at: 2018-06-20 07:59:08

Local clock offset: -0.045 ms

Remote clock offset: 1.418 ms

Below is generated by plot.py at 2018-06-20 09:51:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 254.02 Mbit/s

95th percentile per-packet one-way delay: 107.370 ms

Loss rate: 0.10%

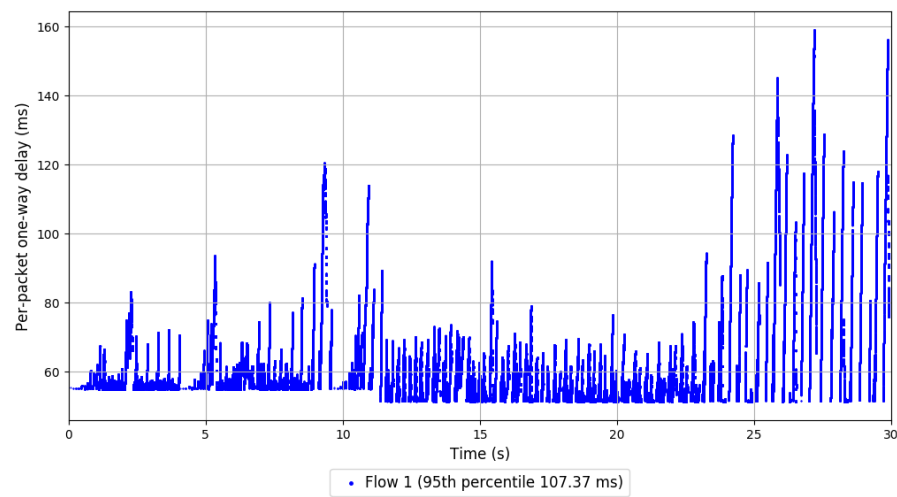
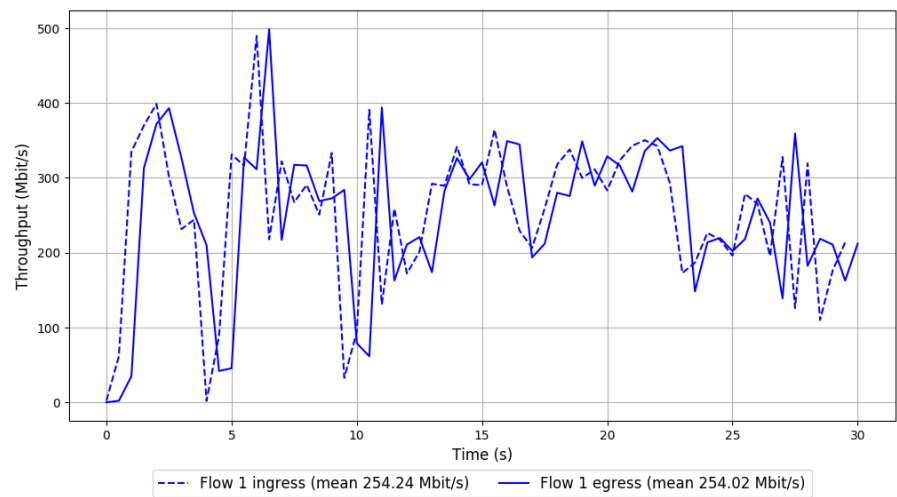
-- Flow 1:

Average throughput: 254.02 Mbit/s

95th percentile per-packet one-way delay: 107.370 ms

Loss rate: 0.10%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-06-20 08:18:57

End at: 2018-06-20 08:19:27

Local clock offset: -0.025 ms

Remote clock offset: 1.106 ms

Below is generated by plot.py at 2018-06-20 09:51:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 279.40 Mbit/s

95th percentile per-packet one-way delay: 105.199 ms

Loss rate: 0.83%

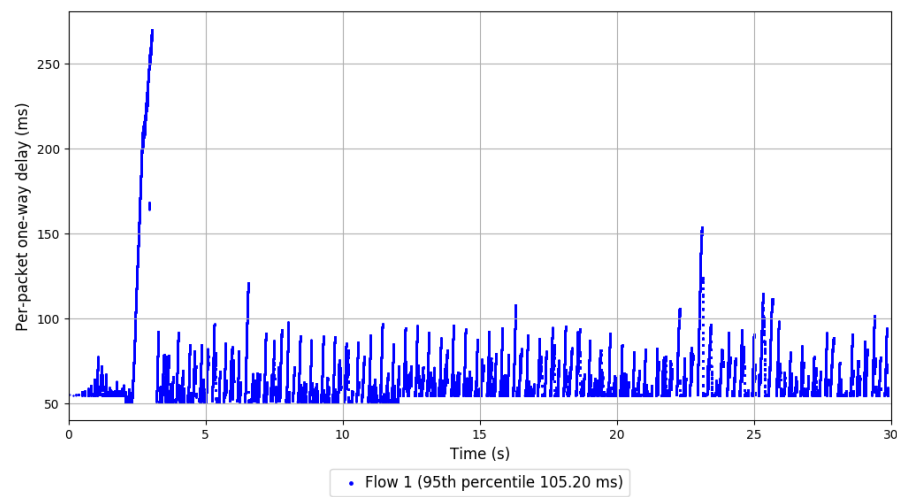
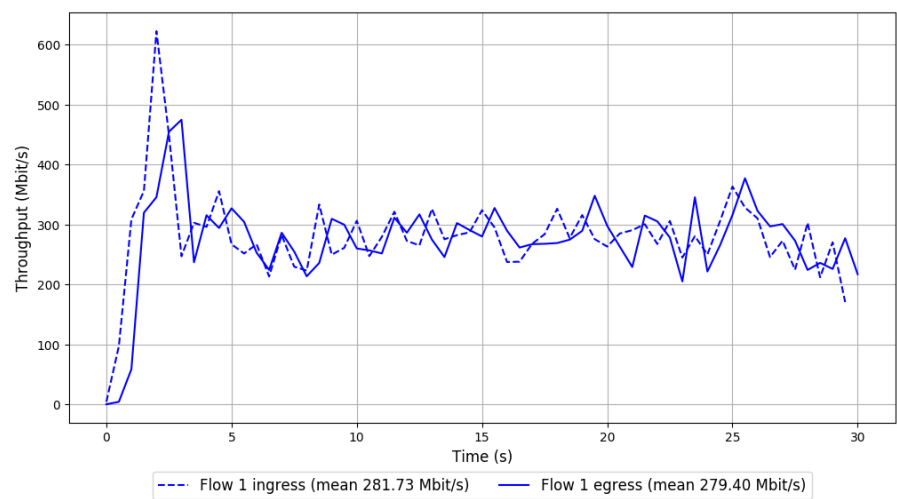
-- Flow 1:

Average throughput: 279.40 Mbit/s

95th percentile per-packet one-way delay: 105.199 ms

Loss rate: 0.83%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-06-20 05:03:45

End at: 2018-06-20 05:04:15

Local clock offset: -0.305 ms

Remote clock offset: 0.228 ms

Below is generated by plot.py at 2018-06-20 09:54:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 378.90 Mbit/s

95th percentile per-packet one-way delay: 51.327 ms

Loss rate: 0.00%

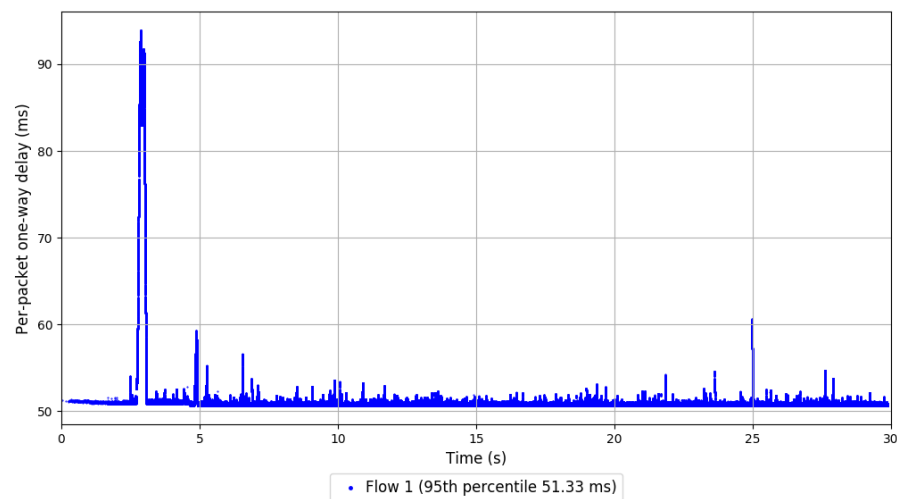
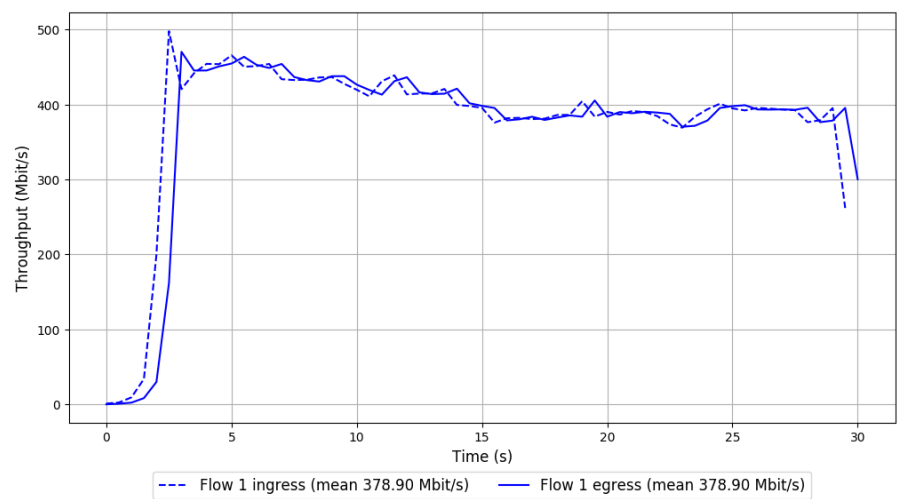
-- Flow 1:

Average throughput: 378.90 Mbit/s

95th percentile per-packet one-way delay: 51.327 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-06-20 05:24:01

End at: 2018-06-20 05:24:31

Local clock offset: -0.081 ms

Remote clock offset: 1.181 ms

Below is generated by plot.py at 2018-06-20 09:54:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 352.78 Mbit/s

95th percentile per-packet one-way delay: 57.572 ms

Loss rate: 0.00%

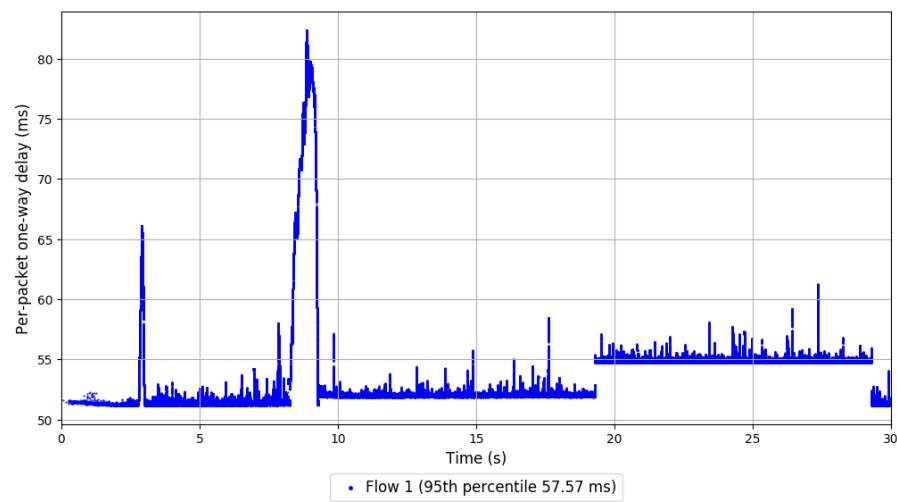
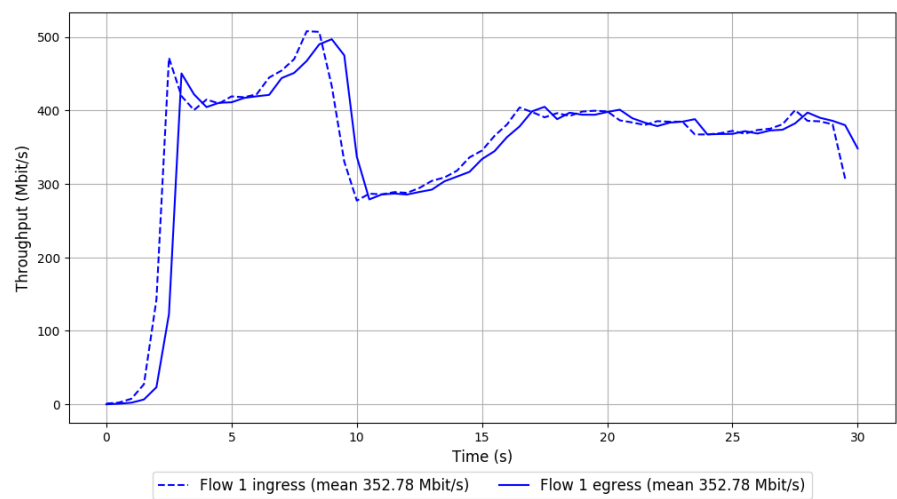
-- Flow 1:

Average throughput: 352.78 Mbit/s

95th percentile per-packet one-way delay: 57.572 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-06-20 05:44:11

End at: 2018-06-20 05:44:41

Local clock offset: 0.034 ms

Remote clock offset: 1.213 ms

Below is generated by plot.py at 2018-06-20 09:55:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 379.68 Mbit/s

95th percentile per-packet one-way delay: 55.085 ms

Loss rate: 0.00%

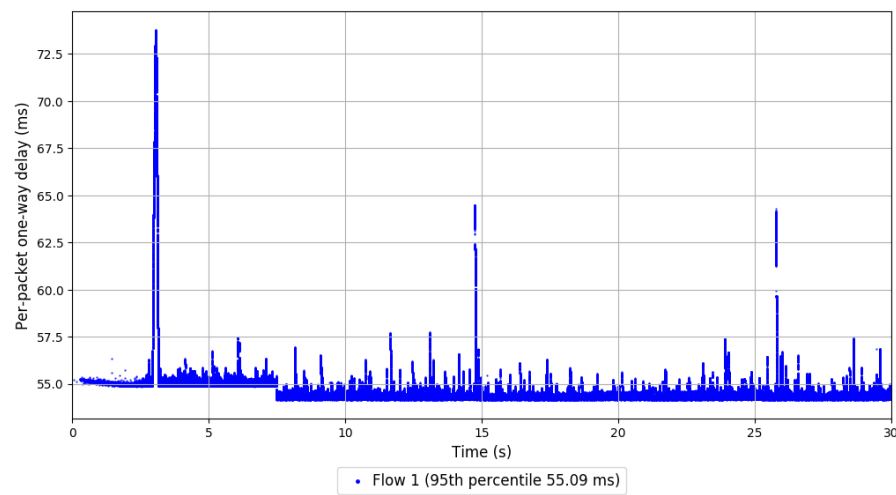
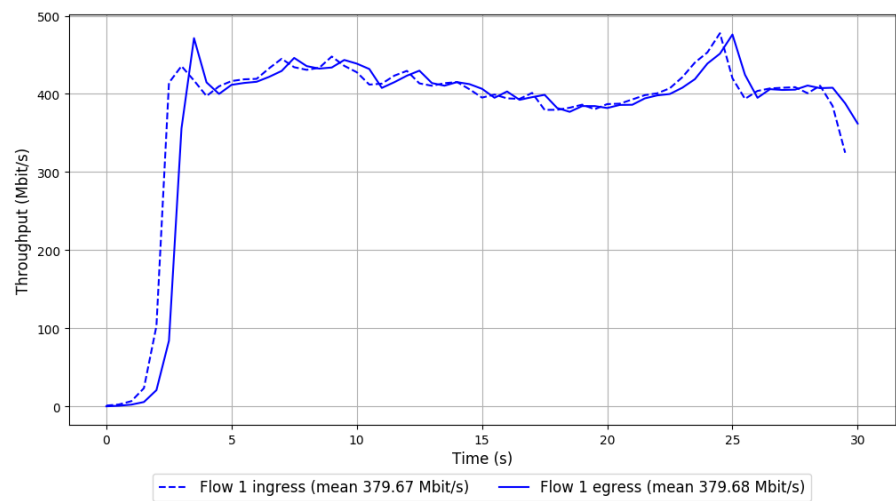
-- Flow 1:

Average throughput: 379.68 Mbit/s

95th percentile per-packet one-way delay: 55.085 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-06-20 06:04:30

End at: 2018-06-20 06:05:00

Local clock offset: 0.252 ms

Remote clock offset: -1.212 ms

Below is generated by plot.py at 2018-06-20 09:55:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 329.29 Mbit/s

95th percentile per-packet one-way delay: 51.644 ms

Loss rate: 0.00%

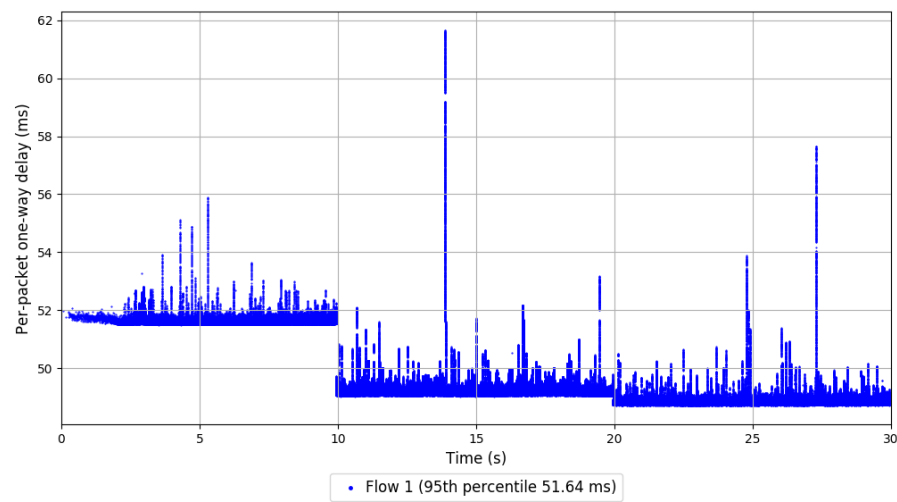
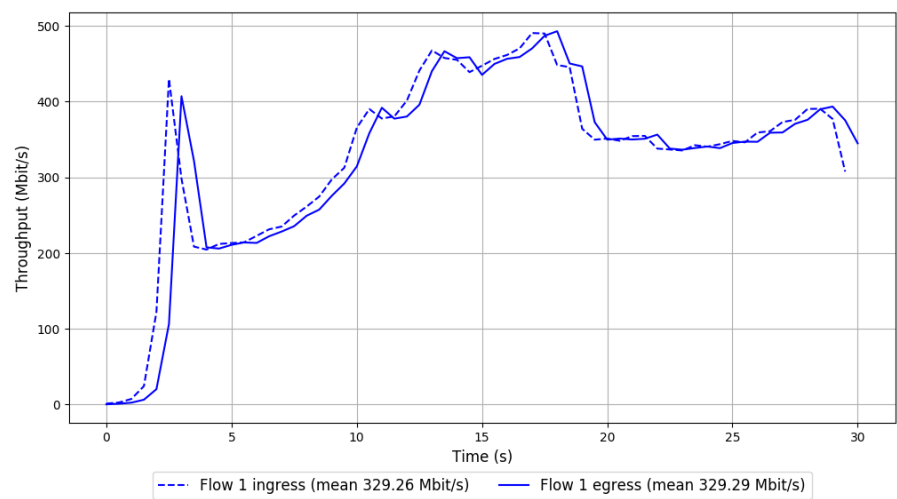
-- Flow 1:

Average throughput: 329.29 Mbit/s

95th percentile per-packet one-way delay: 51.644 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

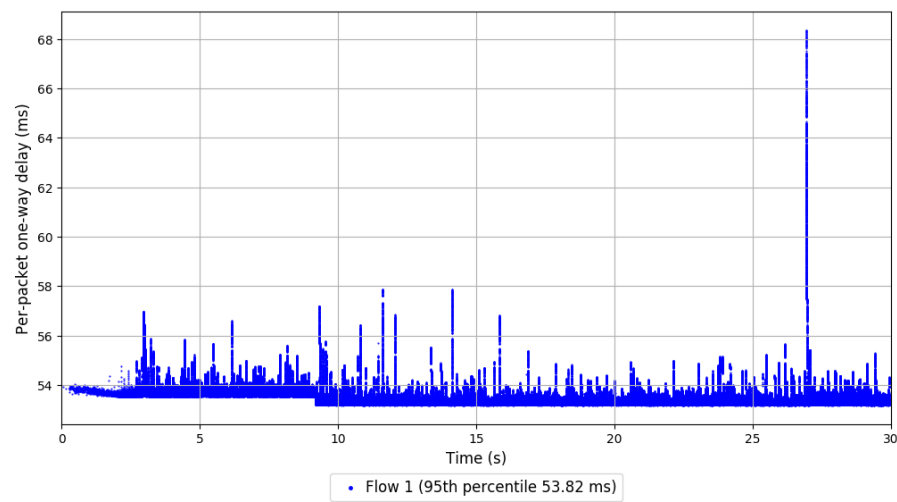
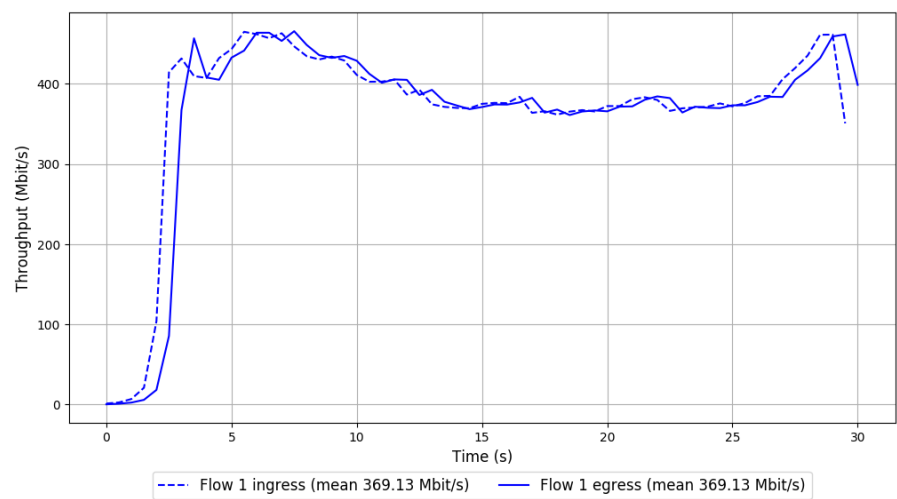


Run 5: Statistics of PCC-Vivace

Start at: 2018-06-20 06:25:10
End at: 2018-06-20 06:25:40
Local clock offset: -0.126 ms
Remote clock offset: -0.202 ms

Below is generated by plot.py at 2018-06-20 09:56:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 369.13 Mbit/s
95th percentile per-packet one-way delay: 53.824 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 369.13 Mbit/s
95th percentile per-packet one-way delay: 53.824 ms
Loss rate: 0.01%

Run 5: Report of PCC-Vivace — Data Link

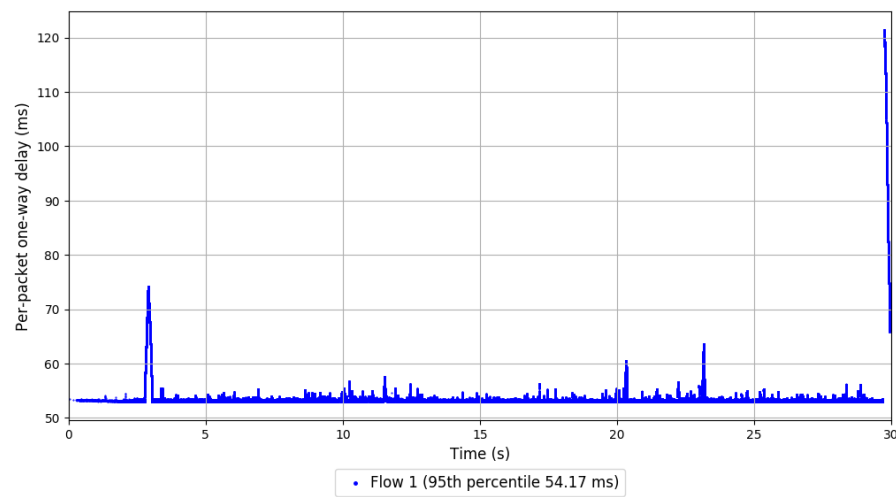
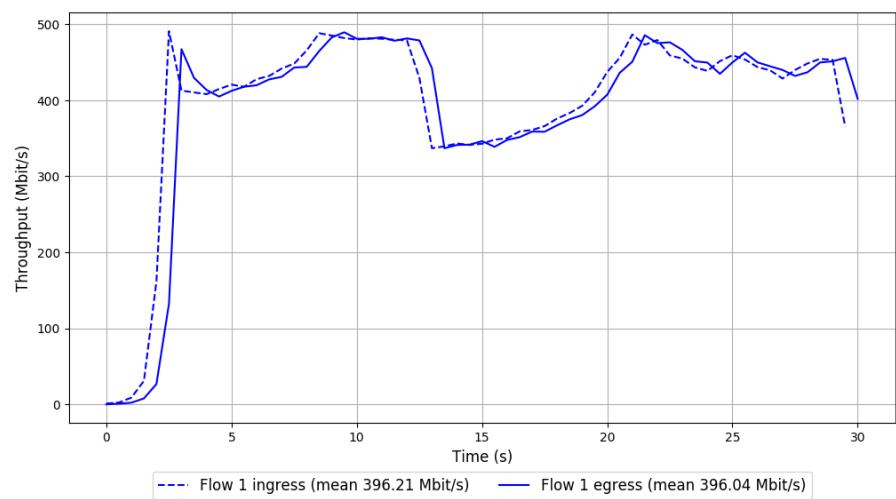


Run 6: Statistics of PCC-Vivace

Start at: 2018-06-20 06:45:41
End at: 2018-06-20 06:46:11
Local clock offset: 0.005 ms
Remote clock offset: -0.164 ms

Below is generated by plot.py at 2018-06-20 09:57:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 396.04 Mbit/s
95th percentile per-packet one-way delay: 54.172 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 396.04 Mbit/s
95th percentile per-packet one-way delay: 54.172 ms
Loss rate: 0.04%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-06-20 07:06:27

End at: 2018-06-20 07:06:57

Local clock offset: -0.297 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-06-20 09:57:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 376.00 Mbit/s

95th percentile per-packet one-way delay: 53.486 ms

Loss rate: 0.01%

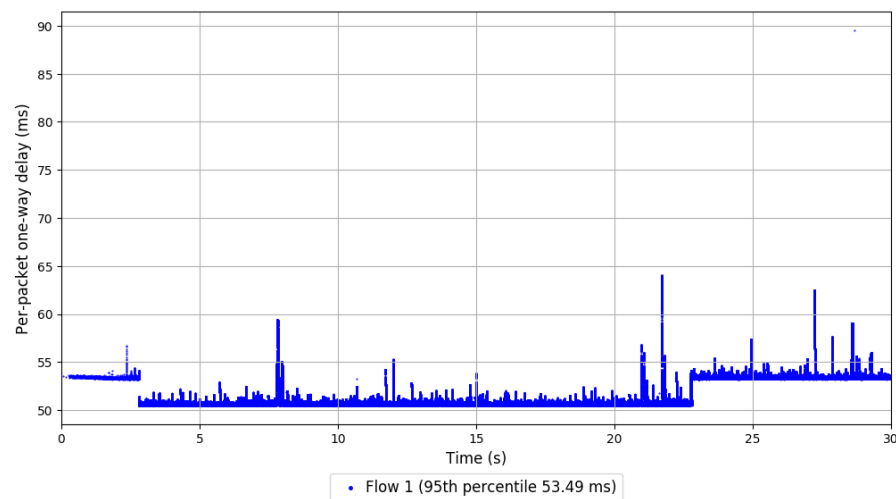
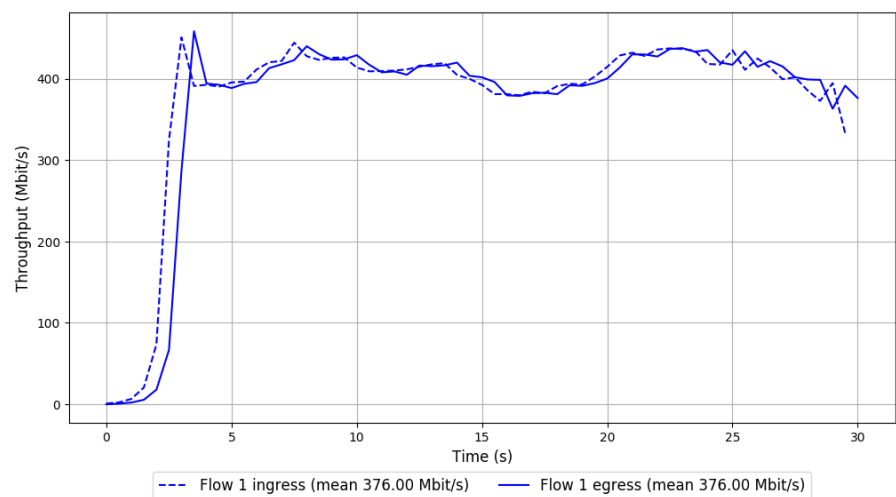
-- Flow 1:

Average throughput: 376.00 Mbit/s

95th percentile per-packet one-way delay: 53.486 ms

Loss rate: 0.01%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-06-20 07:27:03

End at: 2018-06-20 07:27:33

Local clock offset: -0.026 ms

Remote clock offset: -1.21 ms

Below is generated by plot.py at 2018-06-20 09:57:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 380.01 Mbit/s

95th percentile per-packet one-way delay: 52.207 ms

Loss rate: 0.00%

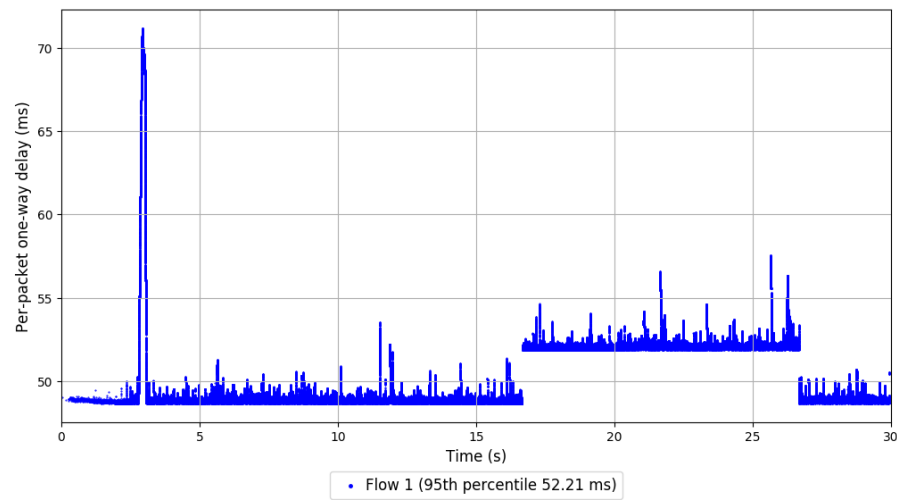
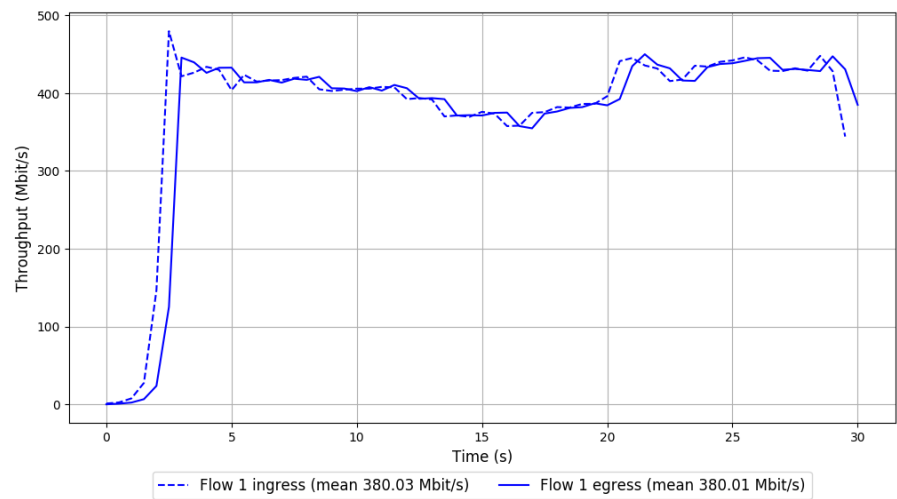
-- Flow 1:

Average throughput: 380.01 Mbit/s

95th percentile per-packet one-way delay: 52.207 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-06-20 07:47:07

End at: 2018-06-20 07:47:37

Local clock offset: 0.034 ms

Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-06-20 09:58:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 352.26 Mbit/s

95th percentile per-packet one-way delay: 53.646 ms

Loss rate: 0.01%

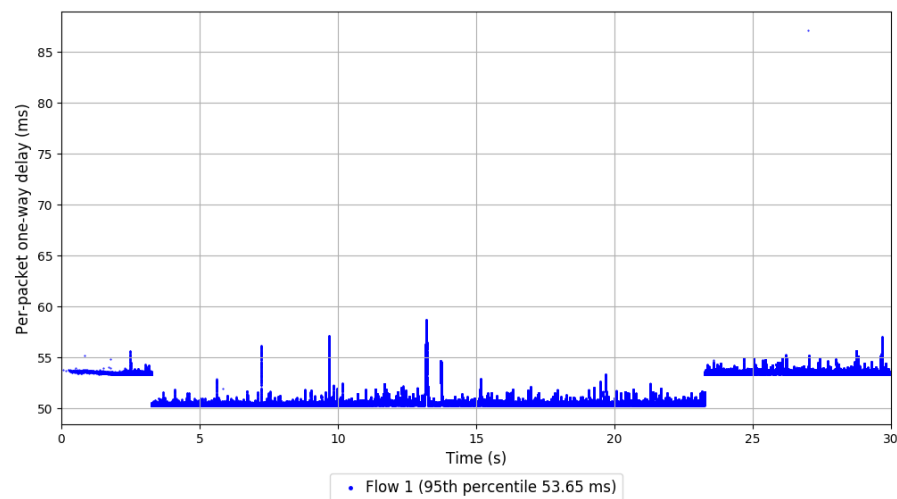
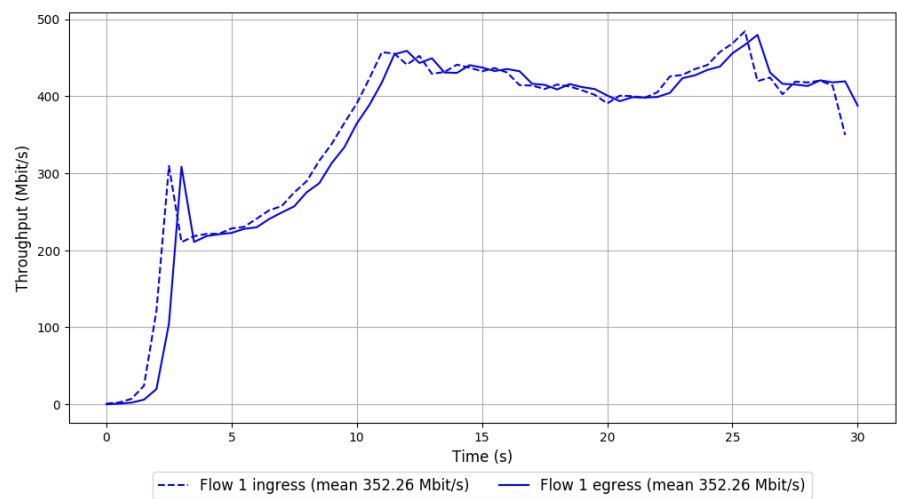
-- Flow 1:

Average throughput: 352.26 Mbit/s

95th percentile per-packet one-way delay: 53.646 ms

Loss rate: 0.01%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-06-20 08:07:27

End at: 2018-06-20 08:07:57

Local clock offset: -0.087 ms

Remote clock offset: 1.327 ms

Below is generated by plot.py at 2018-06-20 09:58:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 341.69 Mbit/s

95th percentile per-packet one-way delay: 55.209 ms

Loss rate: 0.00%

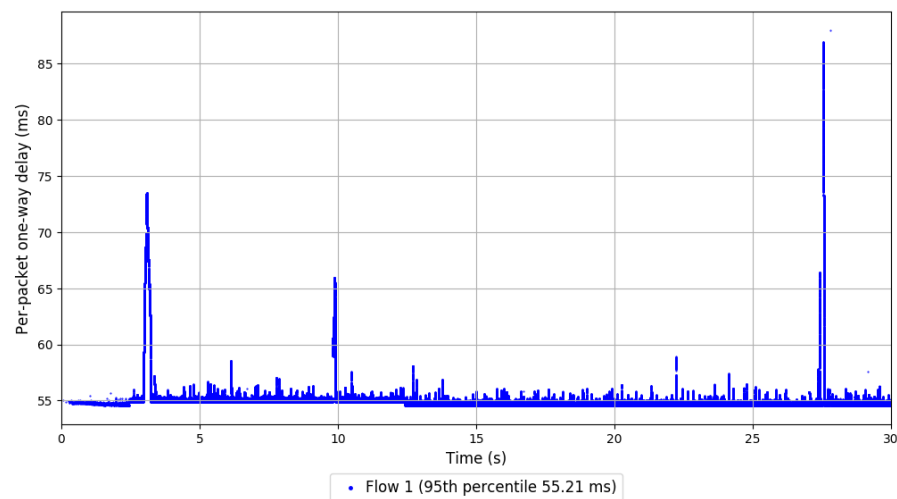
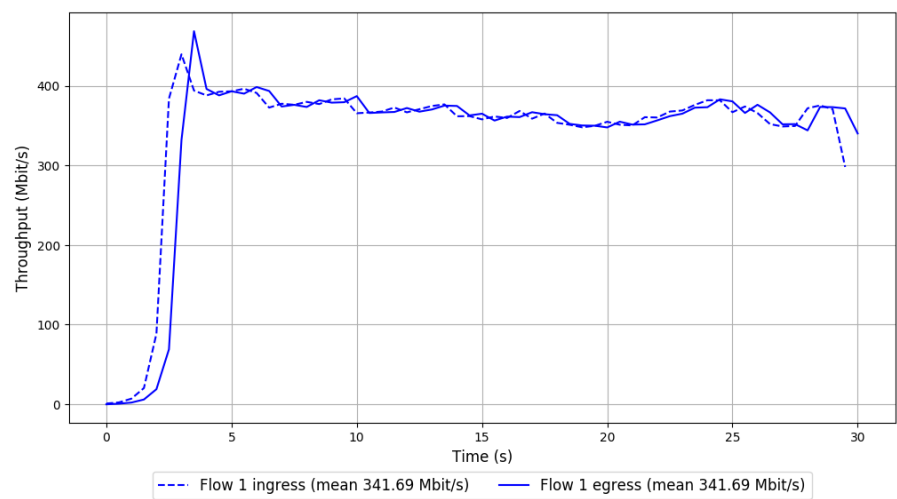
-- Flow 1:

Average throughput: 341.69 Mbit/s

95th percentile per-packet one-way delay: 55.209 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

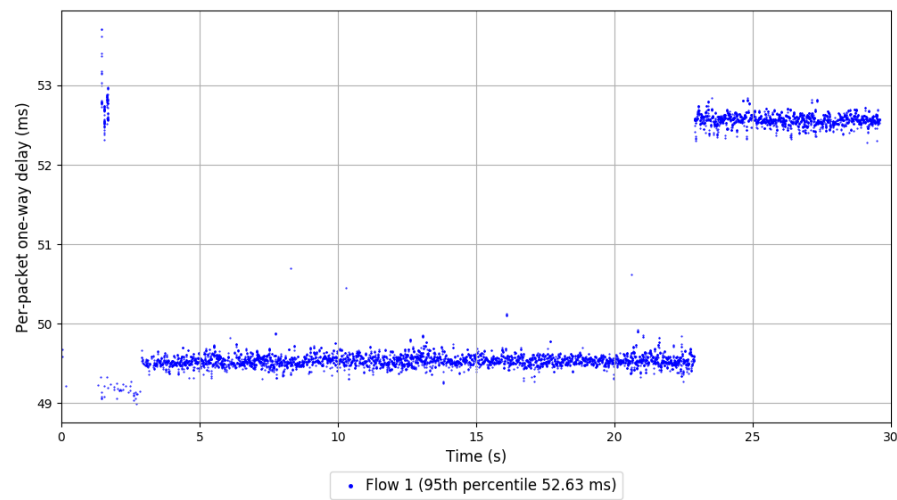
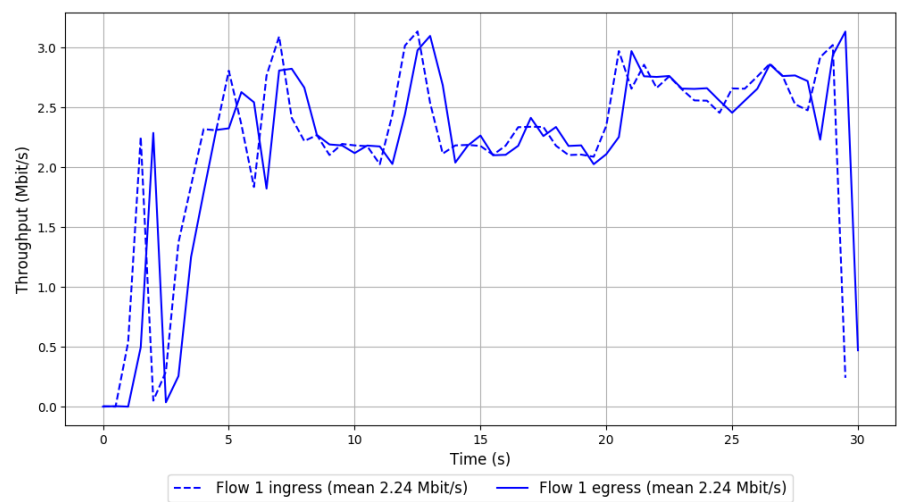


```
Run 1: Statistics of WebRTC media

Start at: 2018-06-20 05:01:16
End at: 2018-06-20 05:01:46
Local clock offset: -0.083 ms
Remote clock offset: -1.253 ms

# Below is generated by plot.py at 2018-06-20 09:58:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 52.632 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 52.632 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

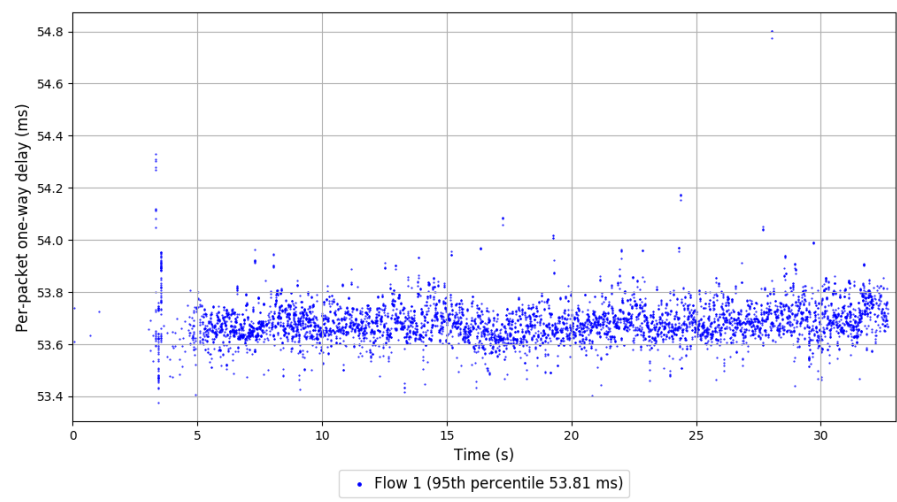
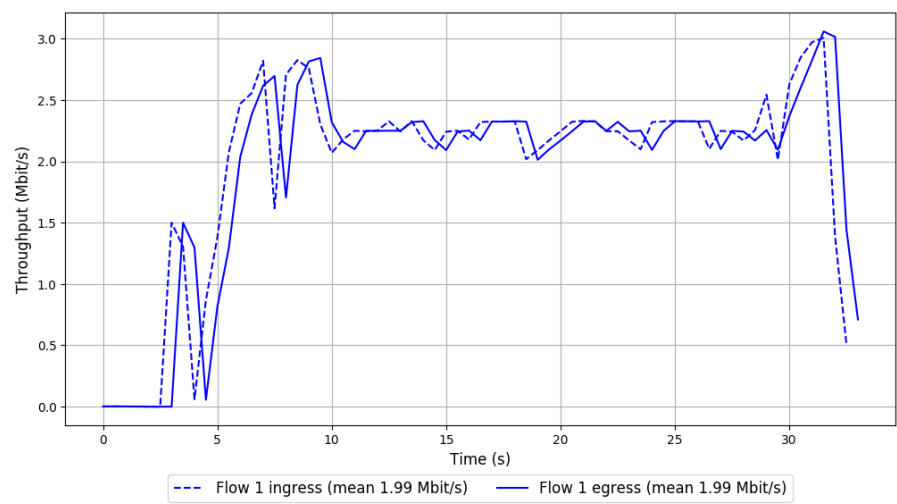


Run 2: Statistics of WebRTC media

Start at: 2018-06-20 05:21:46
End at: 2018-06-20 05:22:16
Local clock offset: 0.01 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-06-20 09:58:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 53.807 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 53.807 ms
Loss rate: 0.01%

Run 2: Report of WebRTC media — Data Link

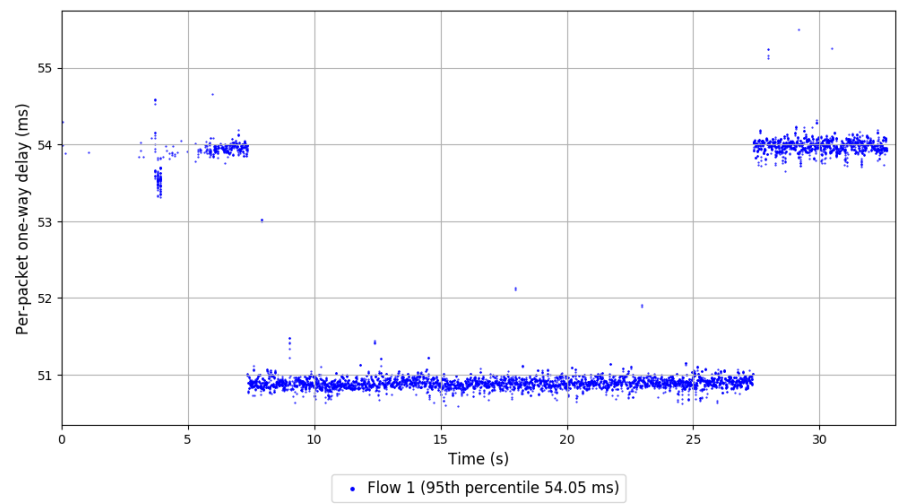
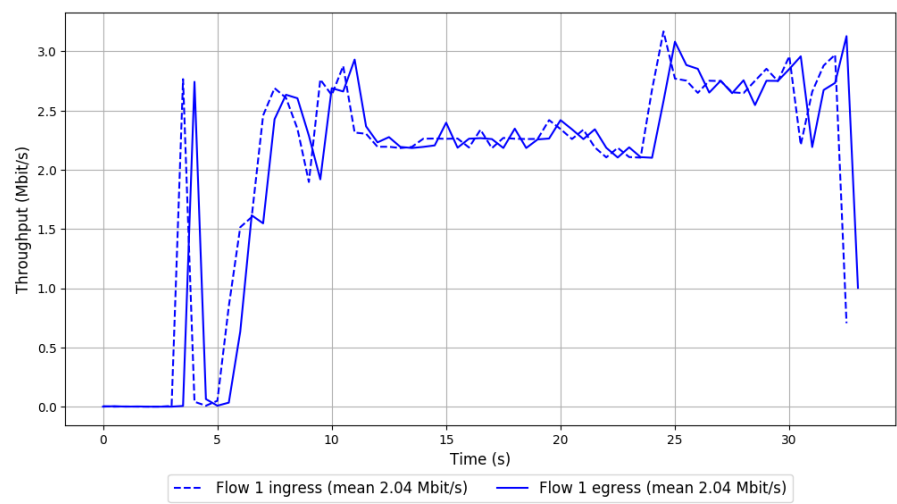


Run 3: Statistics of WebRTC media

Start at: 2018-06-20 05:41:55
End at: 2018-06-20 05:42:25
Local clock offset: -0.155 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-06-20 09:58:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 54.047 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 54.047 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-06-20 06:02:07

End at: 2018-06-20 06:02:37

Local clock offset: 0.013 ms

Remote clock offset: 0.121 ms

Below is generated by plot.py at 2018-06-20 09:58:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.07 Mbit/s

95th percentile per-packet one-way delay: 50.735 ms

Loss rate: 0.00%

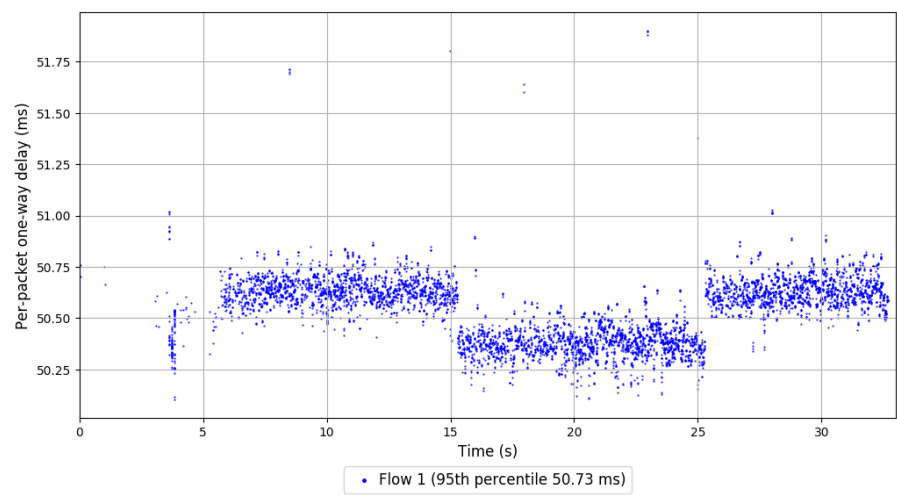
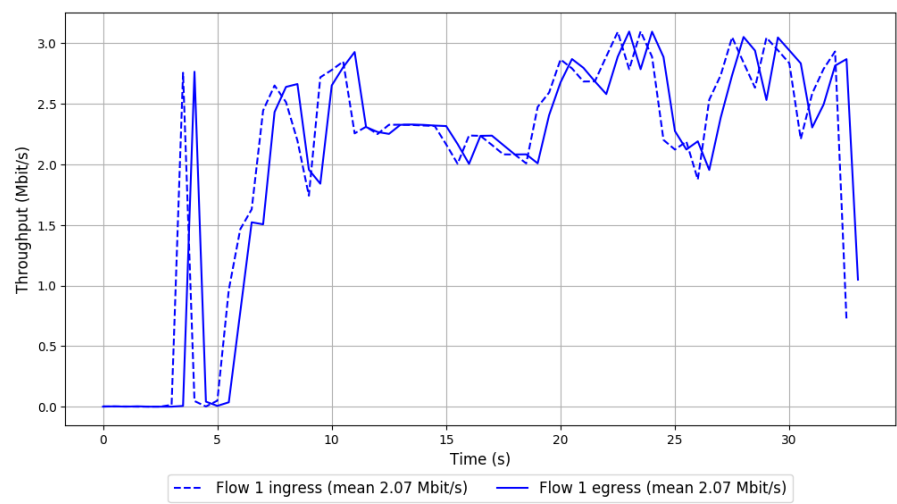
-- Flow 1:

Average throughput: 2.07 Mbit/s

95th percentile per-packet one-way delay: 50.735 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-06-20 06:22:47

End at: 2018-06-20 06:23:17

Local clock offset: -0.164 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-06-20 09:58:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 53.633 ms

Loss rate: 0.00%

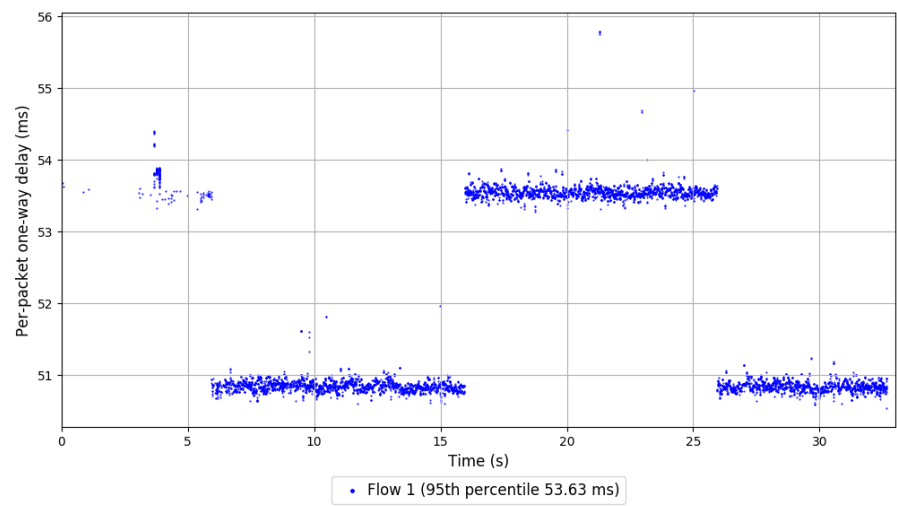
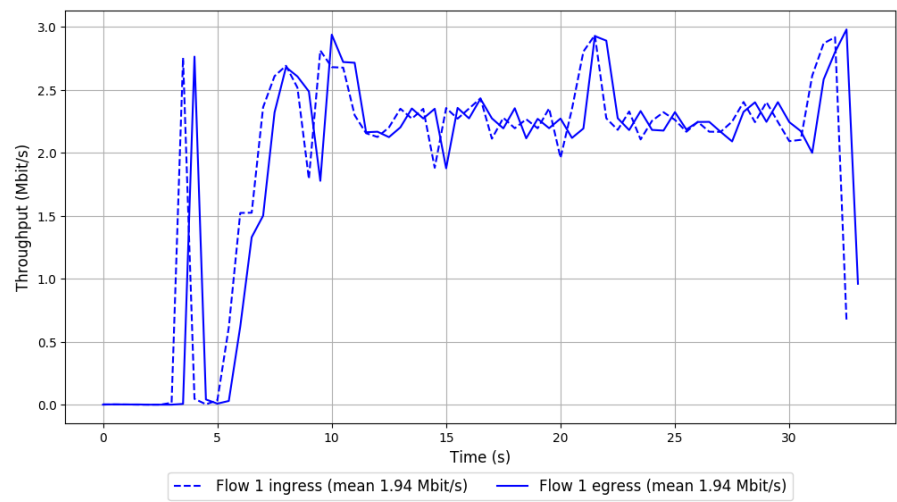
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 53.633 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

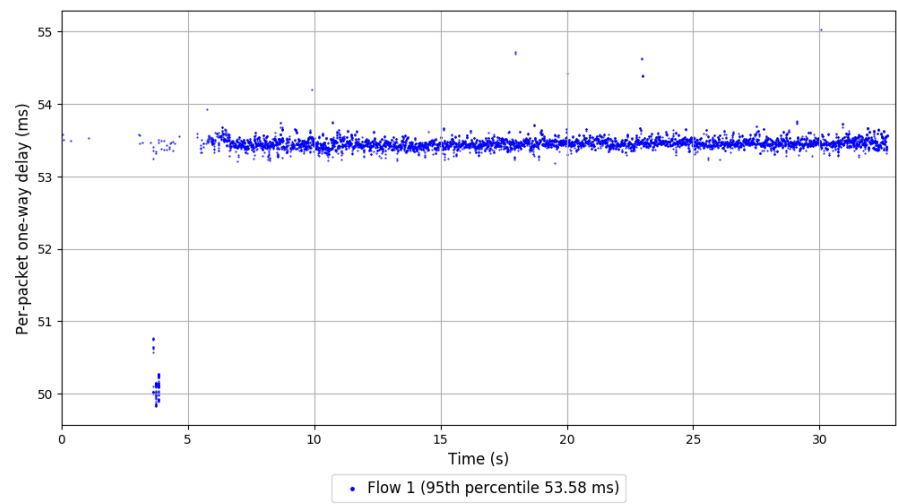
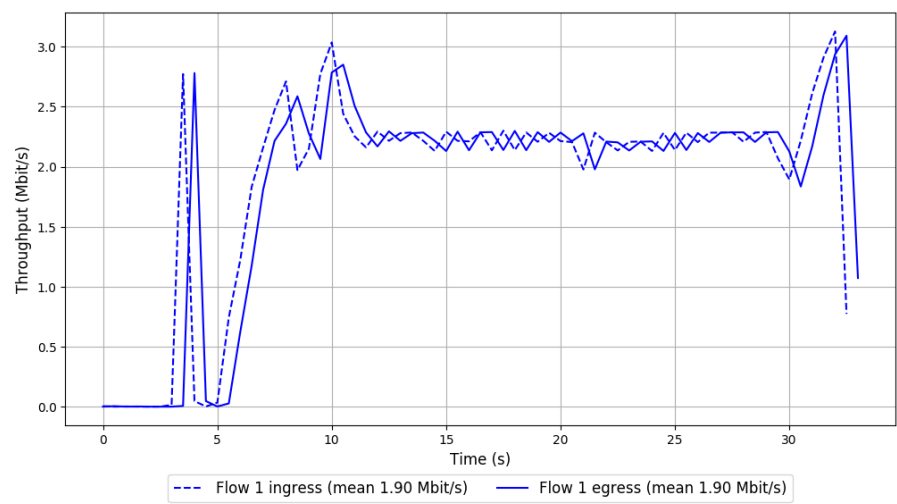


Run 6: Statistics of WebRTC media

Start at: 2018-06-20 06:43:05
End at: 2018-06-20 06:43:35
Local clock offset: 0.084 ms
Remote clock offset: -0.144 ms

Below is generated by plot.py at 2018-06-20 09:58:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 53.575 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 53.575 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-06-20 07:04:00

End at: 2018-06-20 07:04:30

Local clock offset: 0.12 ms

Remote clock offset: 0.3 ms

Below is generated by plot.py at 2018-06-20 09:58:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 53.483 ms

Loss rate: 0.00%

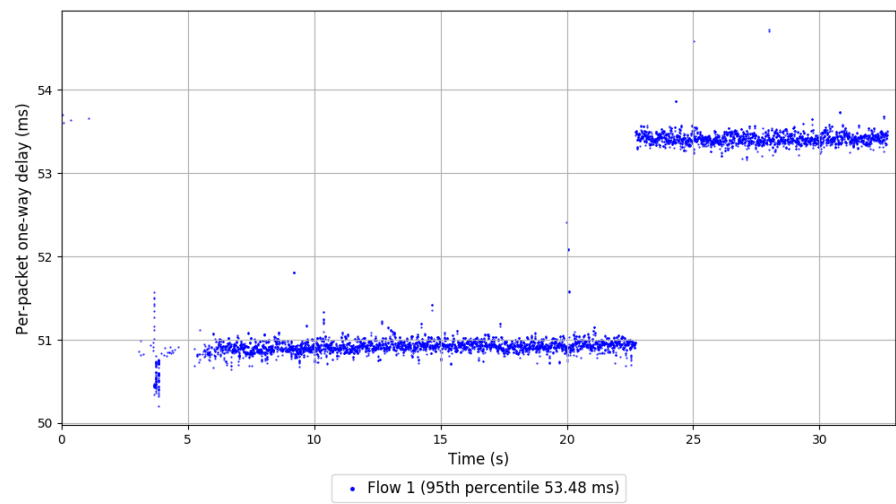
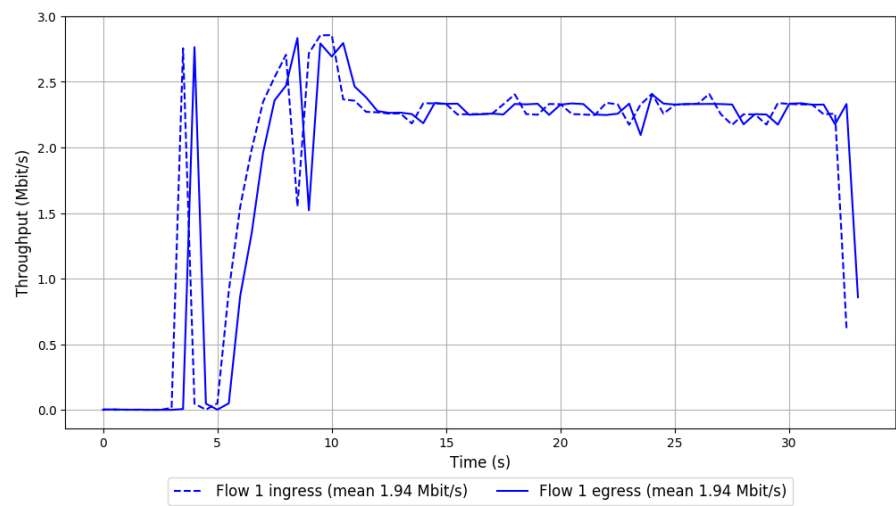
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 53.483 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-06-20 07:24:37

End at: 2018-06-20 07:25:07

Local clock offset: 0.01 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-06-20 09:58:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 53.511 ms

Loss rate: 0.00%

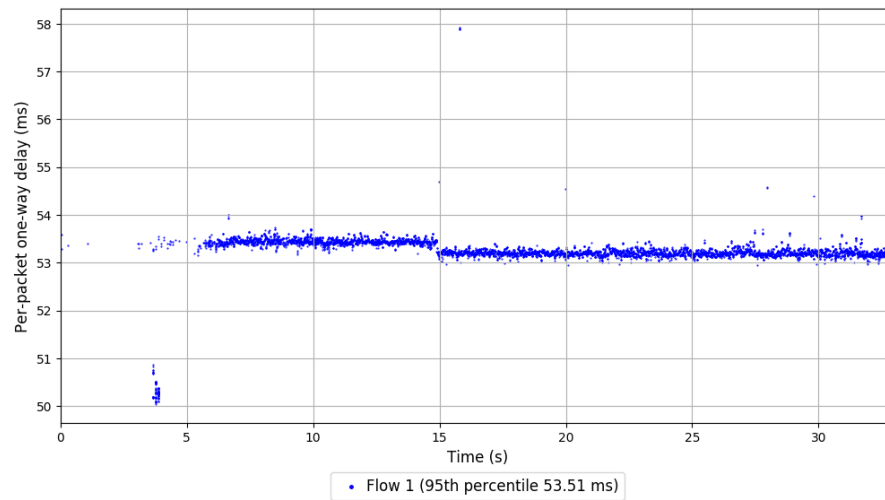
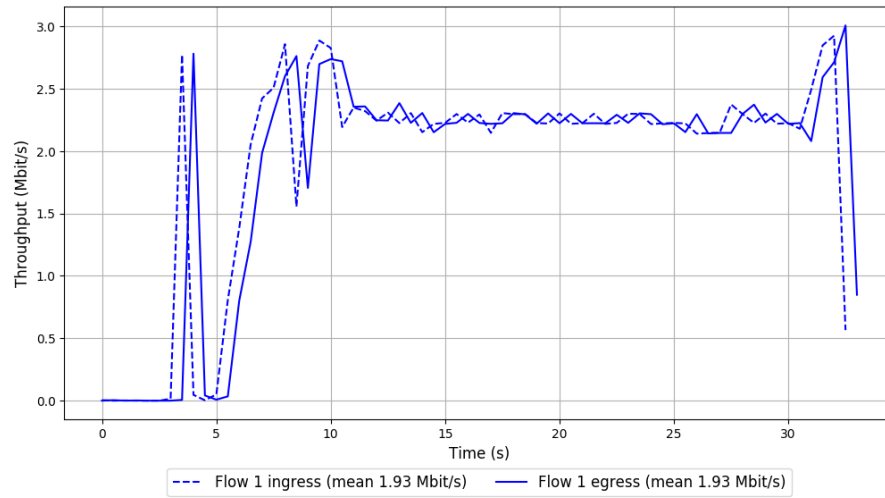
-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 53.511 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

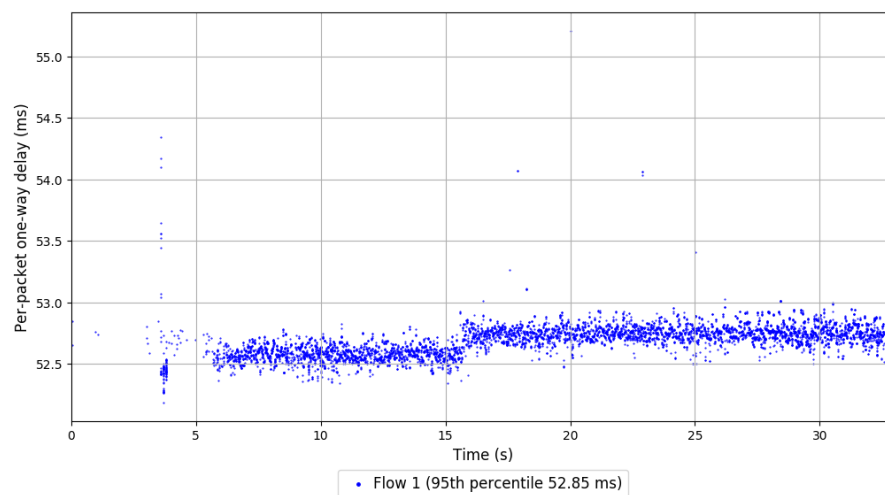
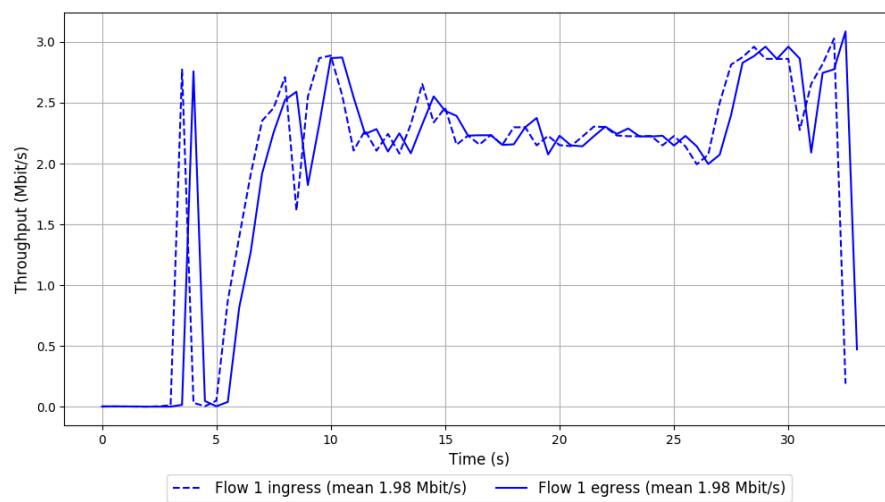


Run 9: Statistics of WebRTC media

Start at: 2018-06-20 07:44:47
End at: 2018-06-20 07:45:17
Local clock offset: 0.117 ms
Remote clock offset: -1.205 ms

Below is generated by plot.py at 2018-06-20 09:58:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 52.853 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 52.853 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-20 08:05:03

End at: 2018-06-20 08:05:33

Local clock offset: 0.078 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-06-20 09:58:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 53.961 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 53.961 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

