

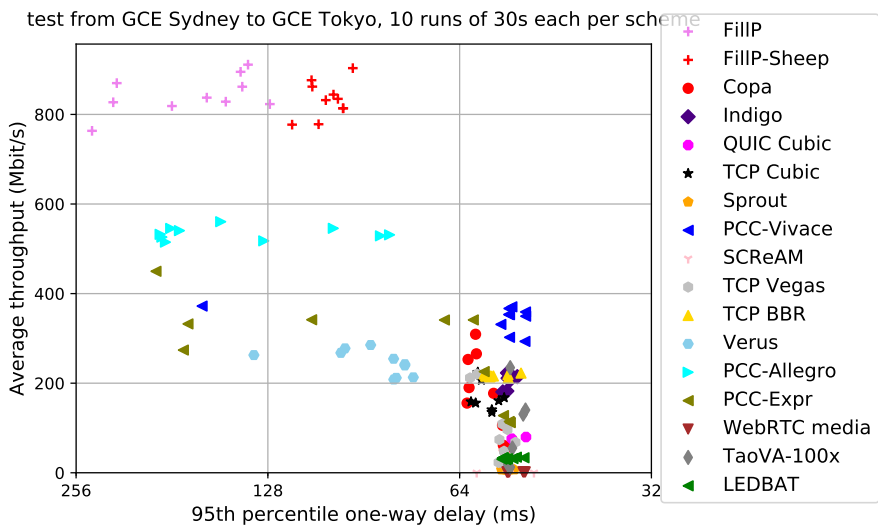
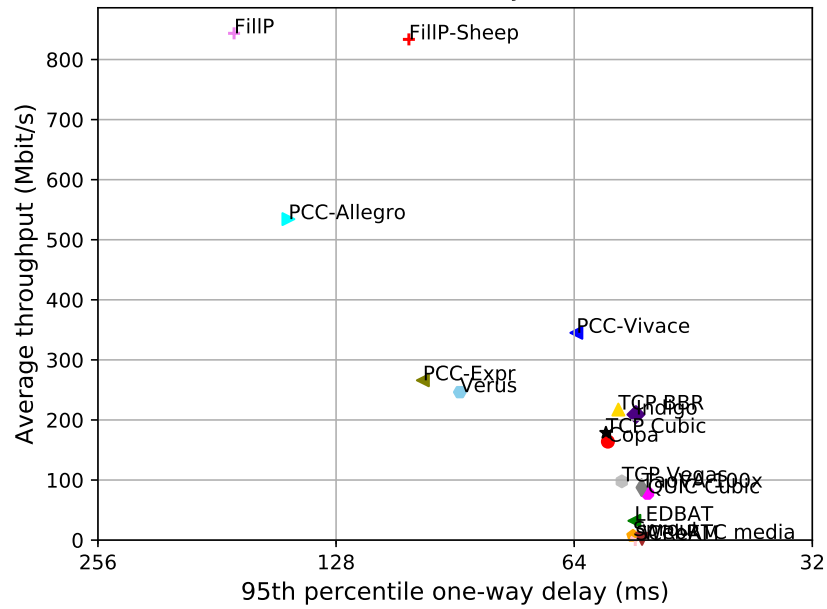
Pantheon Report

Generated at 2018-07-26 18:14:43 (UTC).
Data path: GCE Sydney Ethernet (*local*) → GCE Tokyo Ethernet (*remote*).
Repeated the test of 17 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
NTP offsets were measured against `time.google.com` and have been applied
to correct the timestamps in logs.

Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 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)



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	217.30	56.28	0.00
Copa	10	163.91	58.02	0.00
TCP Cubic	10	178.68	58.35	0.00
FillP	10	843.61	172.25	1.58
FillP-Sheep	10	833.53	103.55	0.16
Indigo	10	208.99	53.48	0.00
LEDBAT	10	32.17	53.72	0.00
PCC-Allegro	10	534.35	147.04	0.76
PCC-Expr	10	266.00	99.43	1.28
QUIC Cubic	2	78.00	51.69	0.00
SCReAM	10	0.21	53.58	0.00
Sprout	10	7.08	53.93	0.00
TaoVA-100x	7	87.54	52.61	0.00
TCP Vegas	10	97.77	55.72	0.00
Verus	10	246.31	89.27	0.03
PCC-Vivace	10	345.09	63.60	0.04
WebRTC media	10	1.98	52.53	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-26 12:18:23

End at: 2018-07-26 12:18:53

Local clock offset: -0.041 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-07-26 16:08:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.07 Mbit/s

95th percentile per-packet one-way delay: 57.183 ms

Loss rate: 0.00%

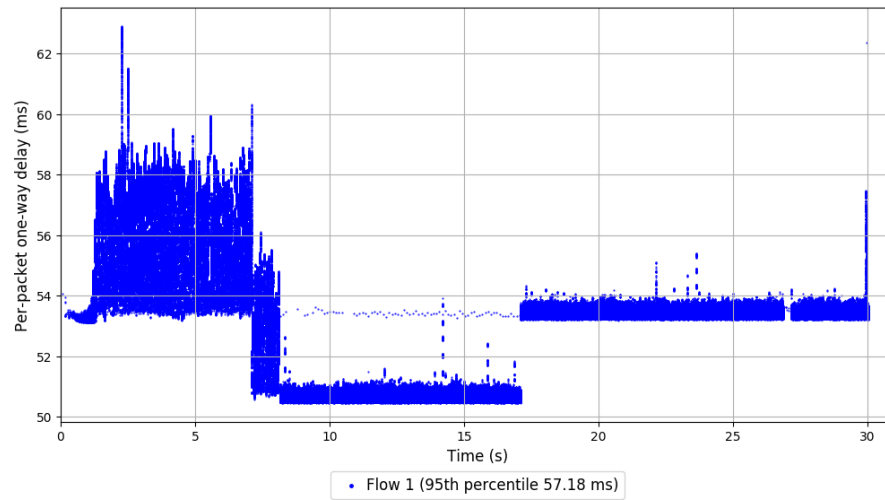
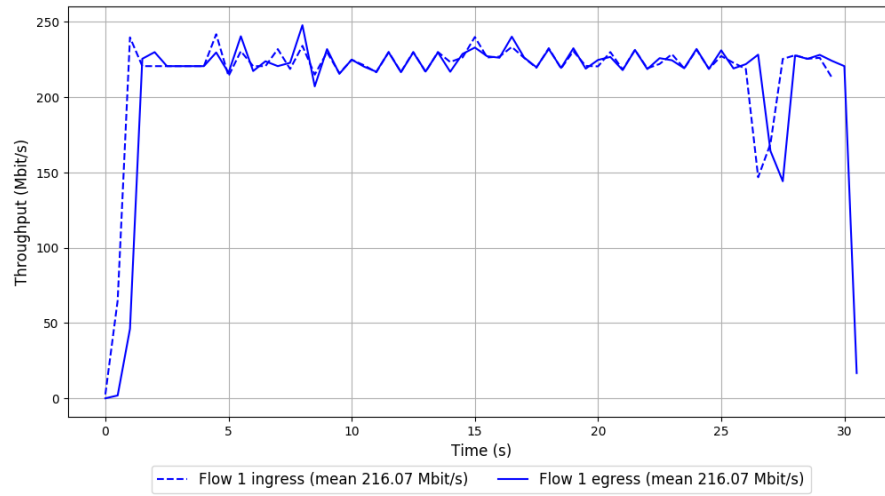
-- Flow 1:

Average throughput: 216.07 Mbit/s

95th percentile per-packet one-way delay: 57.183 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-26 12:40:05

End at: 2018-07-26 12:40:35

Local clock offset: -0.002 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-07-26 16:08:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.23 Mbit/s

95th percentile per-packet one-way delay: 53.691 ms

Loss rate: 0.00%

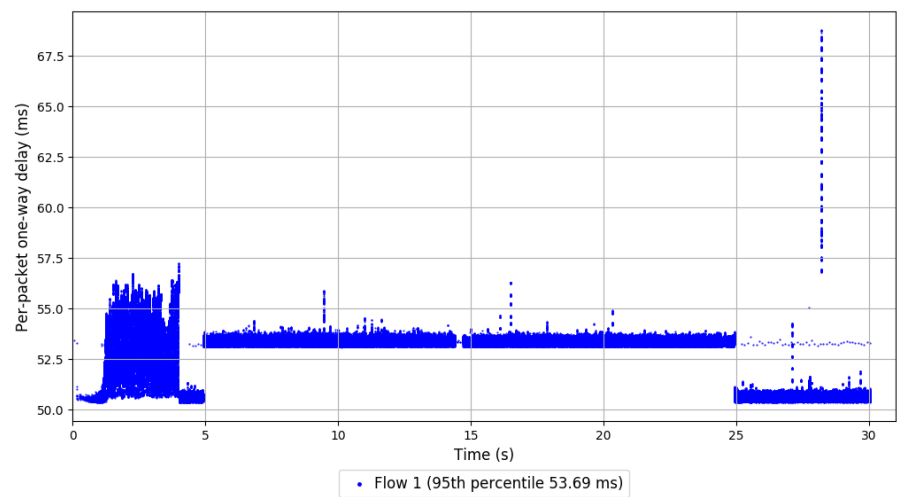
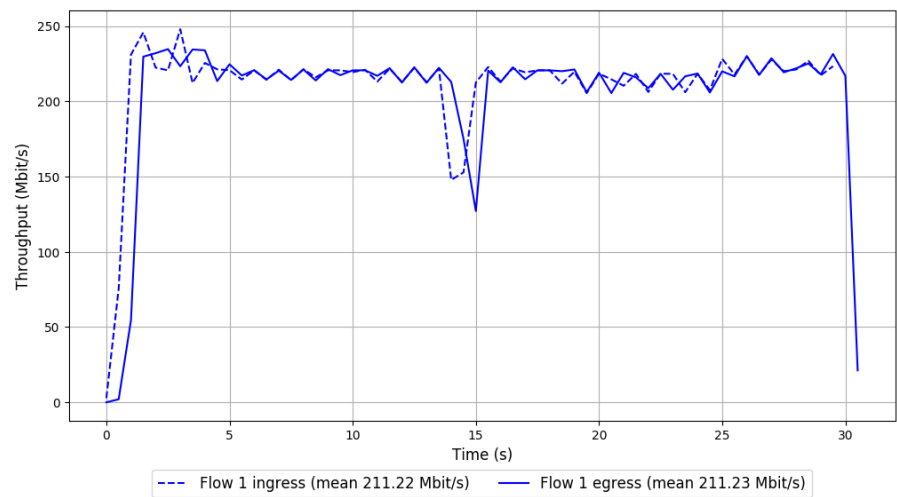
-- Flow 1:

Average throughput: 211.23 Mbit/s

95th percentile per-packet one-way delay: 53.691 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-26 13:02:10

End at: 2018-07-26 13:02:40

Local clock offset: -0.033 ms

Remote clock offset: 0.257 ms

Below is generated by plot.py at 2018-07-26 16:08:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.33 Mbit/s

95th percentile per-packet one-way delay: 58.560 ms

Loss rate: 0.00%

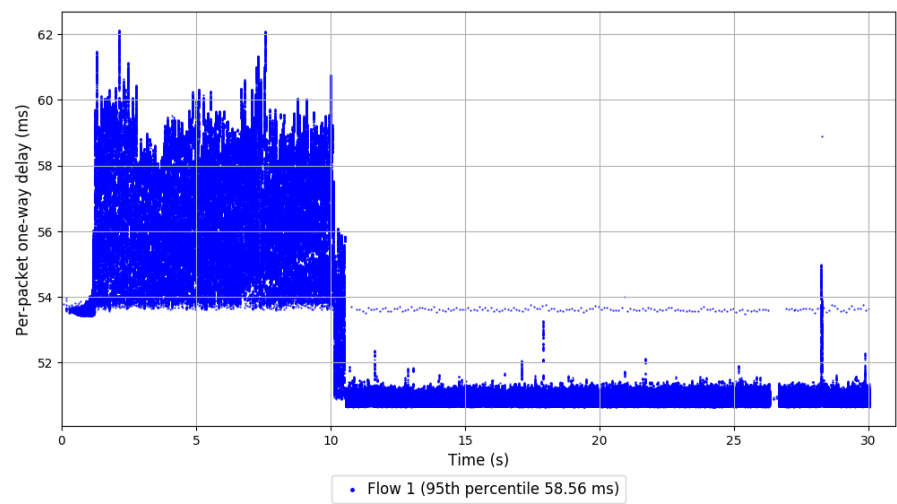
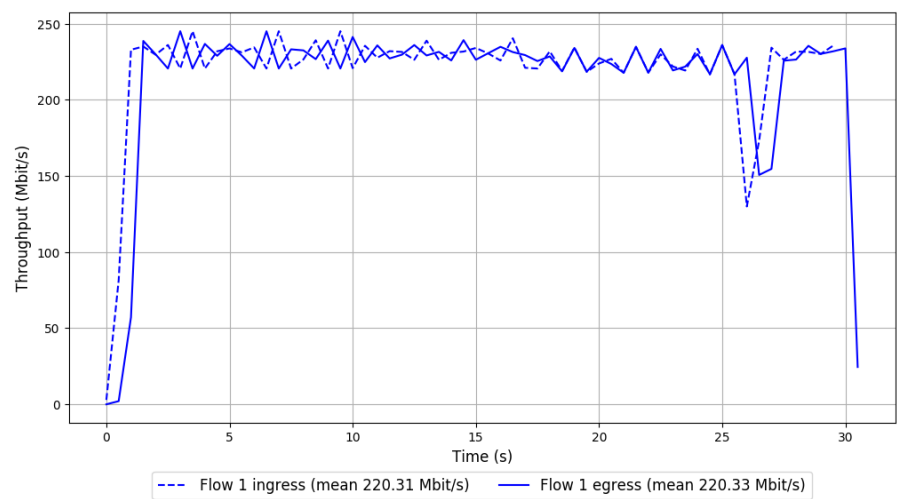
-- Flow 1:

Average throughput: 220.33 Mbit/s

95th percentile per-packet one-way delay: 58.560 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link

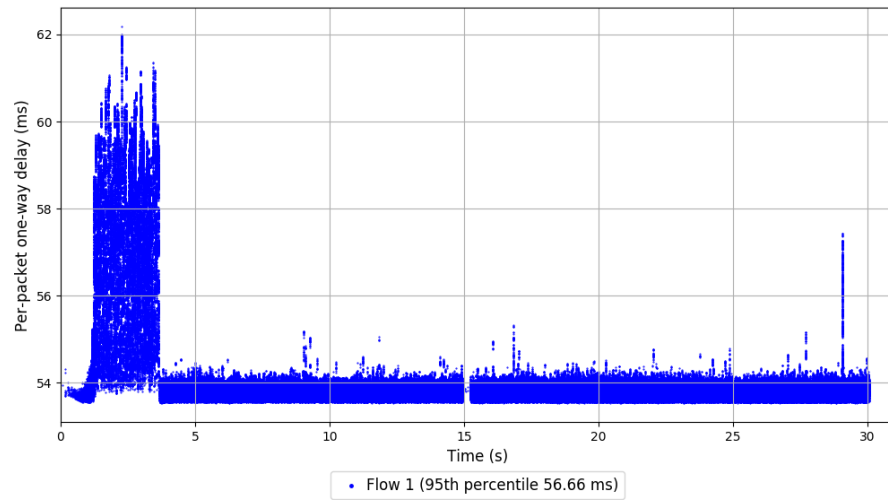
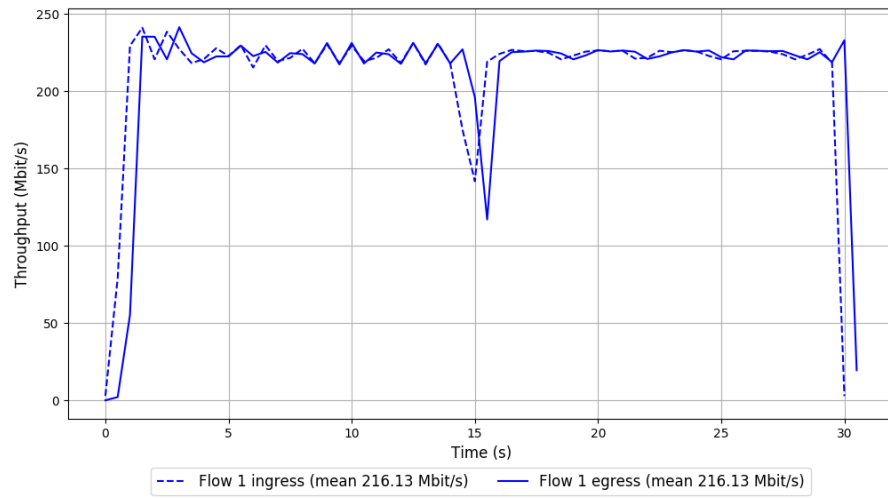


Run 4: Statistics of TCP BBR

Start at: 2018-07-26 13:24:16
End at: 2018-07-26 13:24:46
Local clock offset: -0.312 ms
Remote clock offset: -0.199 ms

Below is generated by plot.py at 2018-07-26 16:08:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.13 Mbit/s
95th percentile per-packet one-way delay: 56.656 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 216.13 Mbit/s
95th percentile per-packet one-way delay: 56.656 ms
Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link

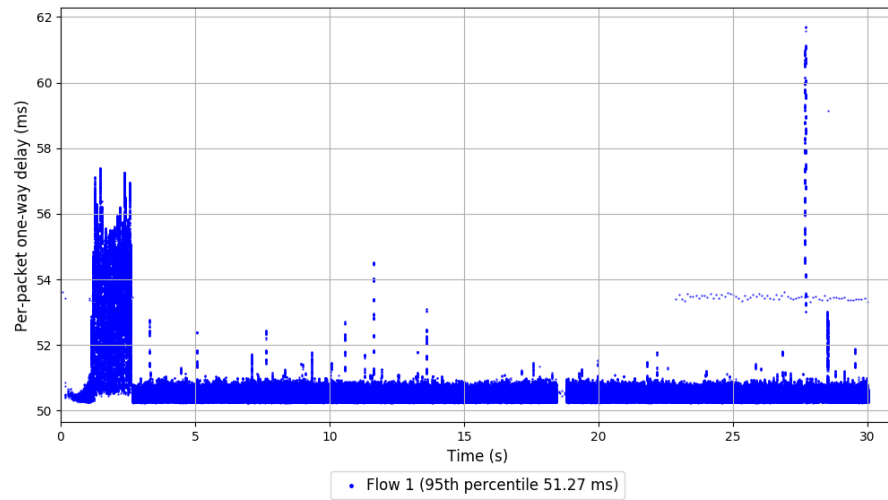
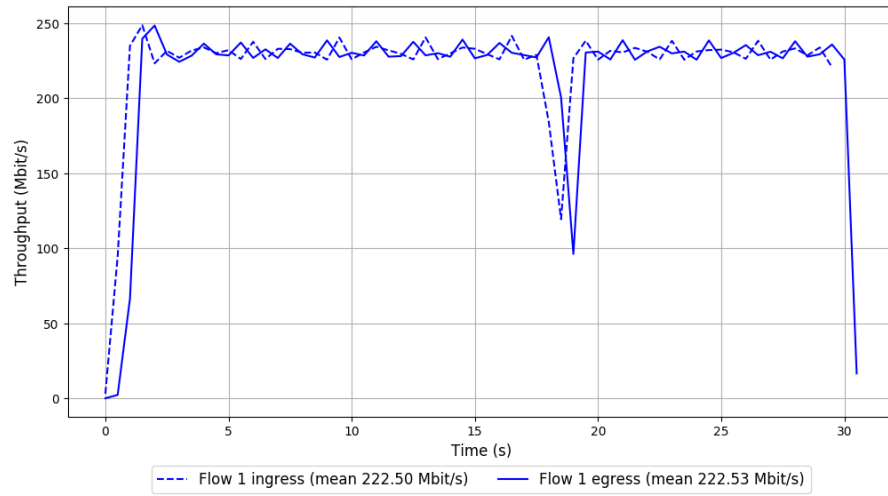


Run 5: Statistics of TCP BBR

Start at: 2018-07-26 13:46:17
End at: 2018-07-26 13:46:47
Local clock offset: -0.044 ms
Remote clock offset: -0.242 ms

Below is generated by plot.py at 2018-07-26 16:08:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 222.53 Mbit/s
95th percentile per-packet one-way delay: 51.266 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 222.53 Mbit/s
95th percentile per-packet one-way delay: 51.266 ms
Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-26 14:07:50

End at: 2018-07-26 14:08:20

Local clock offset: 0.127 ms

Remote clock offset: 0.123 ms

Below is generated by plot.py at 2018-07-26 16:08:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.79 Mbit/s

95th percentile per-packet one-way delay: 57.393 ms

Loss rate: 0.00%

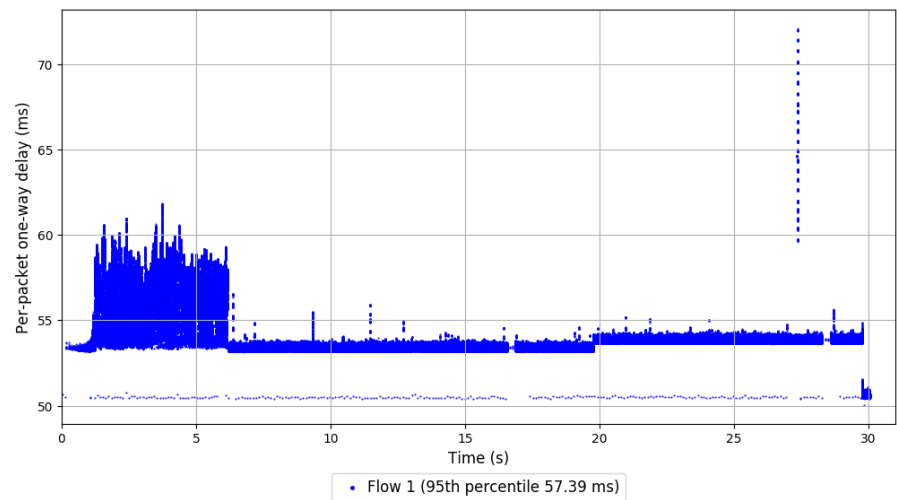
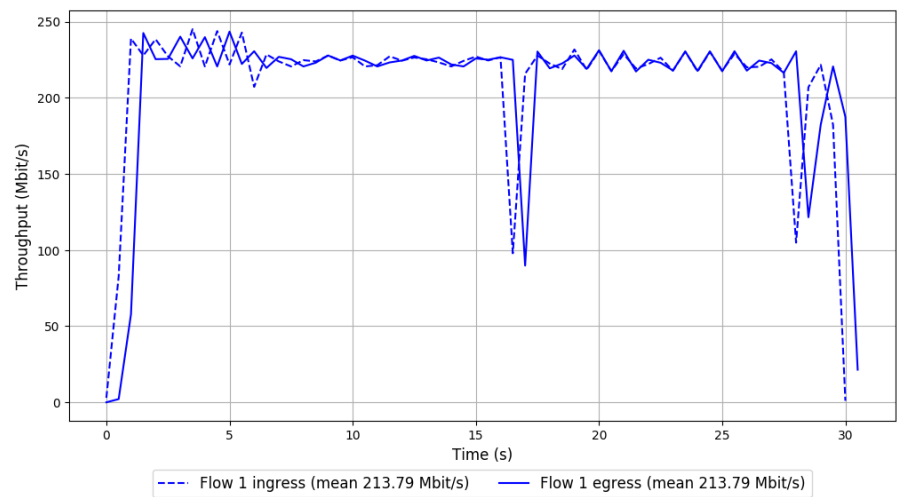
-- Flow 1:

Average throughput: 213.79 Mbit/s

95th percentile per-packet one-way delay: 57.393 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

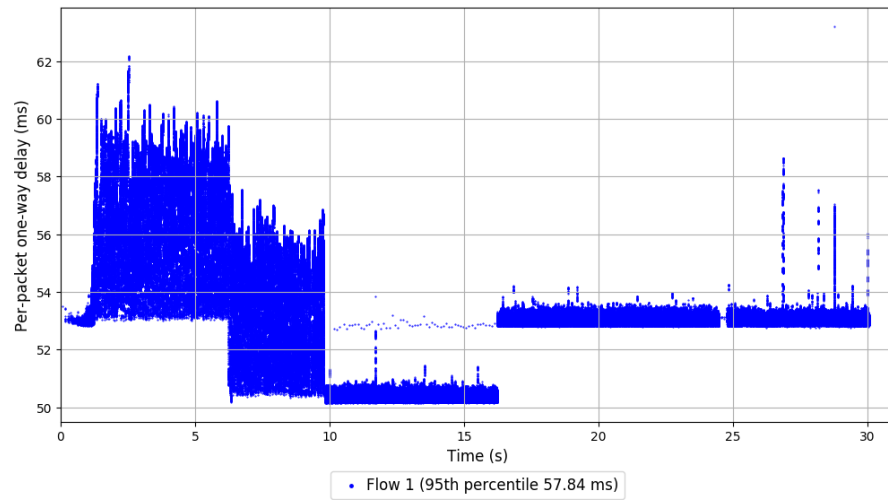
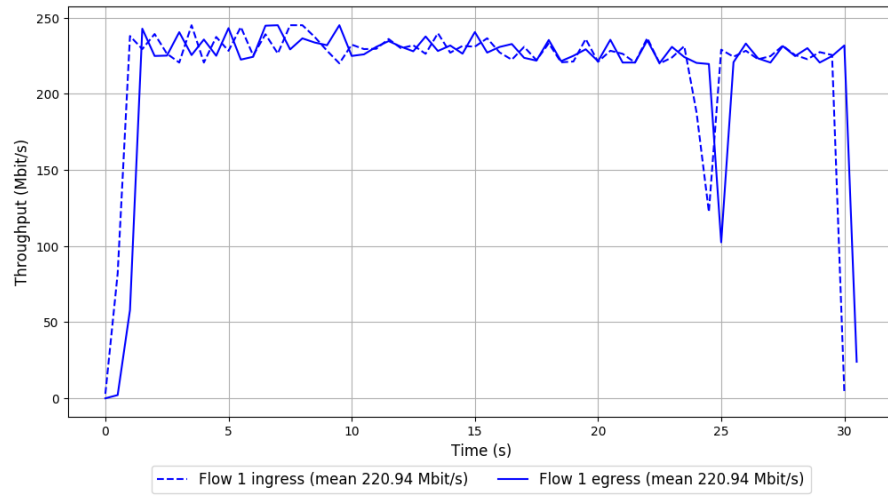


Run 7: Statistics of TCP BBR

Start at: 2018-07-26 14:29:34
End at: 2018-07-26 14:30:04
Local clock offset: 0.143 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-07-26 16:08:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 220.94 Mbit/s
95th percentile per-packet one-way delay: 57.845 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 220.94 Mbit/s
95th percentile per-packet one-way delay: 57.845 ms
Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-26 14:51:48

End at: 2018-07-26 14:52:18

Local clock offset: -0.086 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-07-26 16:08:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.16 Mbit/s

95th percentile per-packet one-way delay: 53.744 ms

Loss rate: 0.00%

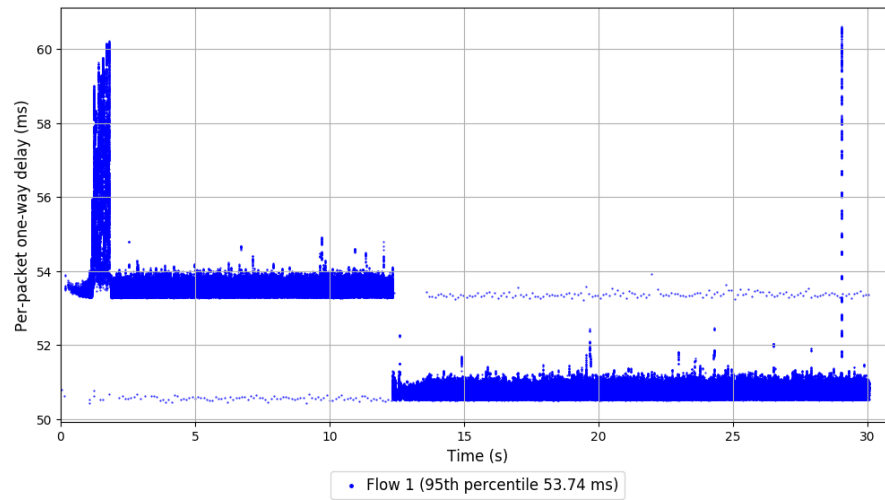
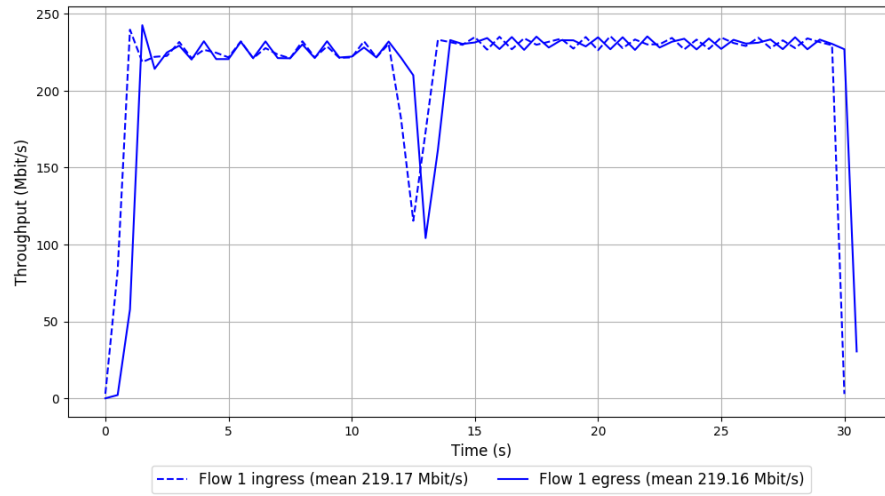
-- Flow 1:

Average throughput: 219.16 Mbit/s

95th percentile per-packet one-way delay: 53.744 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-26 15:13:52

End at: 2018-07-26 15:14:22

Local clock offset: 0.164 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-07-26 16:12:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.04 Mbit/s

95th percentile per-packet one-way delay: 58.263 ms

Loss rate: 0.00%

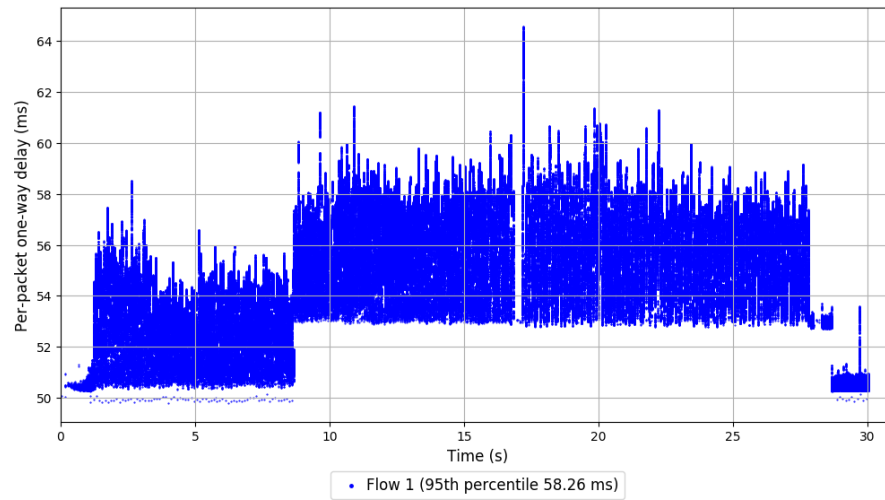
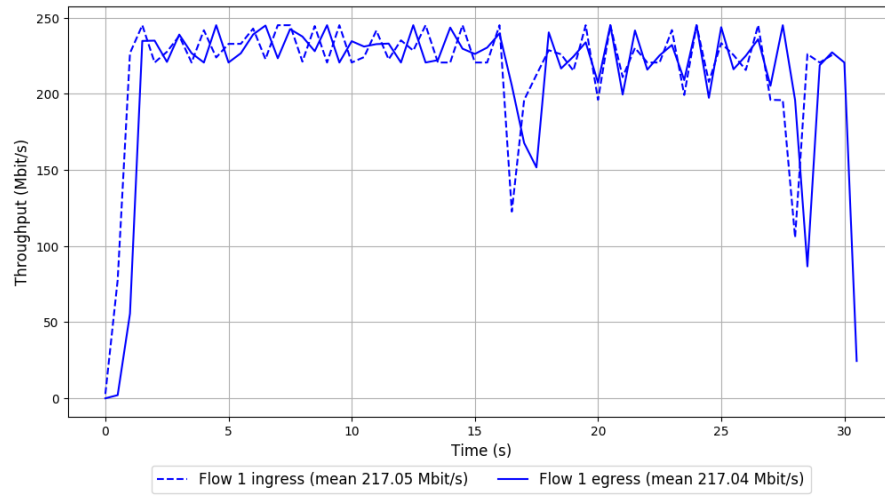
-- Flow 1:

Average throughput: 217.04 Mbit/s

95th percentile per-packet one-way delay: 58.263 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link

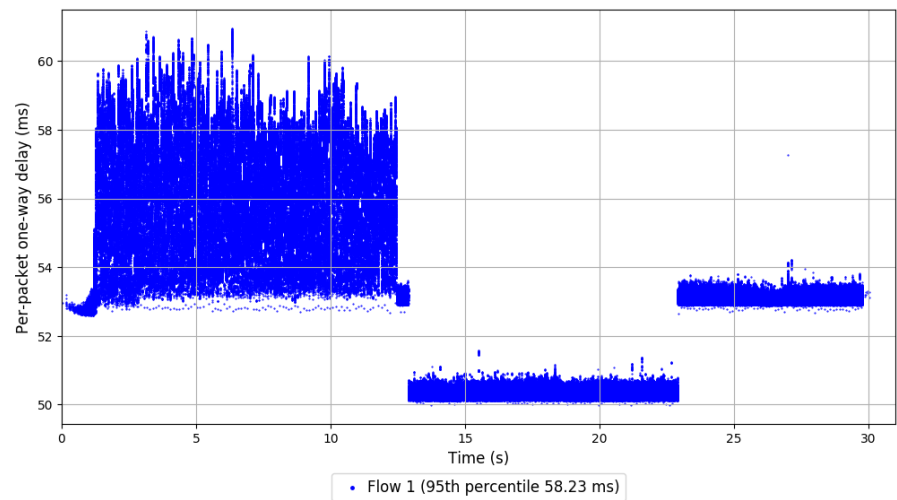
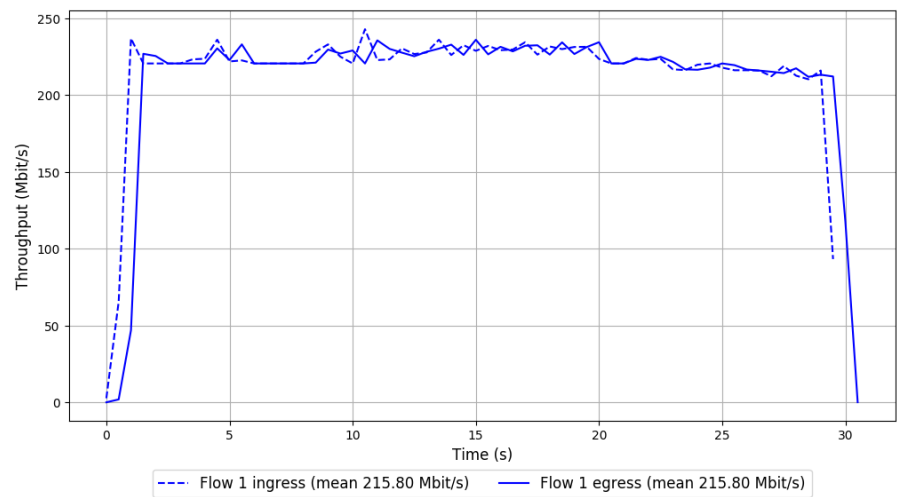


Run 10: Statistics of TCP BBR

Start at: 2018-07-26 15:35:17
End at: 2018-07-26 15:35:47
Local clock offset: 0.165 ms
Remote clock offset: -0.204 ms

Below is generated by plot.py at 2018-07-26 16:12:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 215.80 Mbit/s
95th percentile per-packet one-way delay: 58.226 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 215.80 Mbit/s
95th percentile per-packet one-way delay: 58.226 ms
Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

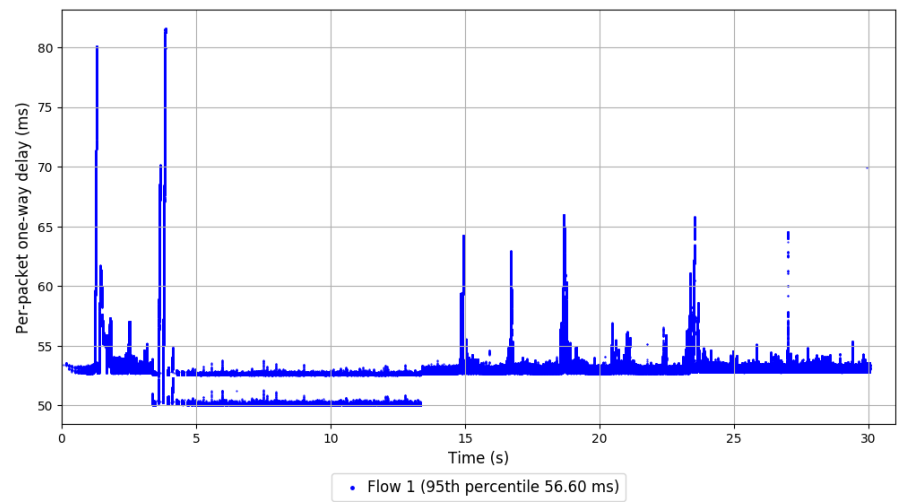
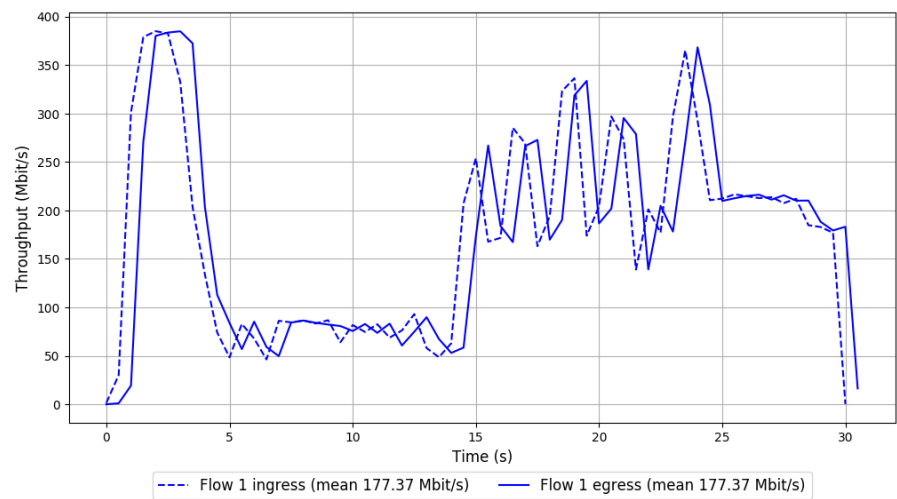


Run 1: Statistics of Copa

Start at: 2018-07-26 12:33:47
End at: 2018-07-26 12:34:17
Local clock offset: 0.17 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2018-07-26 16:15:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 177.37 Mbit/s
95th percentile per-packet one-way delay: 56.604 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 177.37 Mbit/s
95th percentile per-packet one-way delay: 56.604 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

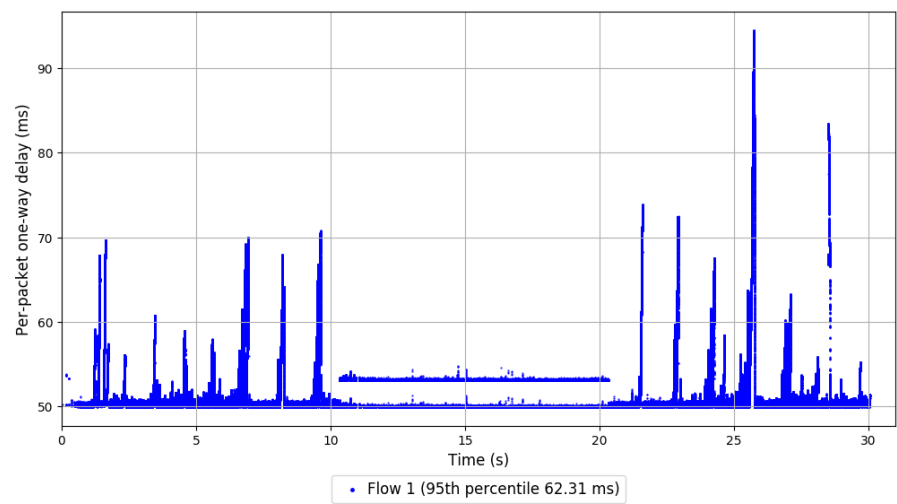
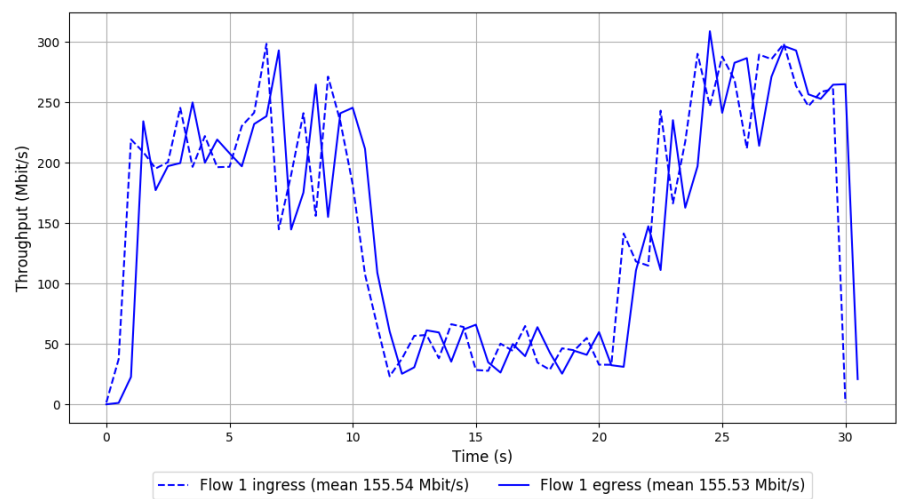


Run 2: Statistics of Copa

Start at: 2018-07-26 12:55:40
End at: 2018-07-26 12:56:10
Local clock offset: -0.184 ms
Remote clock offset: -0.206 ms

Below is generated by plot.py at 2018-07-26 16:15:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 155.53 Mbit/s
95th percentile per-packet one-way delay: 62.308 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 155.53 Mbit/s
95th percentile per-packet one-way delay: 62.308 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-26 13:17:47

End at: 2018-07-26 13:18:17

Local clock offset: -0.082 ms

Remote clock offset: 1.426 ms

Below is generated by plot.py at 2018-07-26 16:18:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 252.97 Mbit/s

95th percentile per-packet one-way delay: 62.084 ms

Loss rate: 0.00%

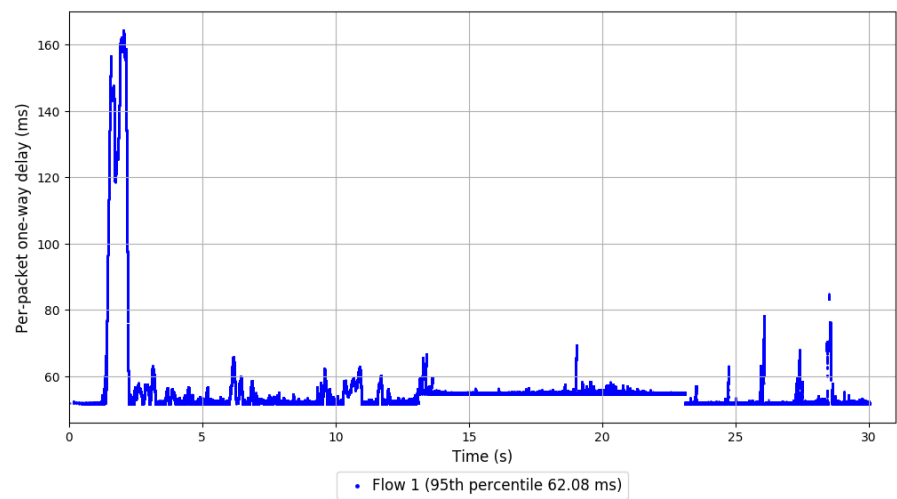
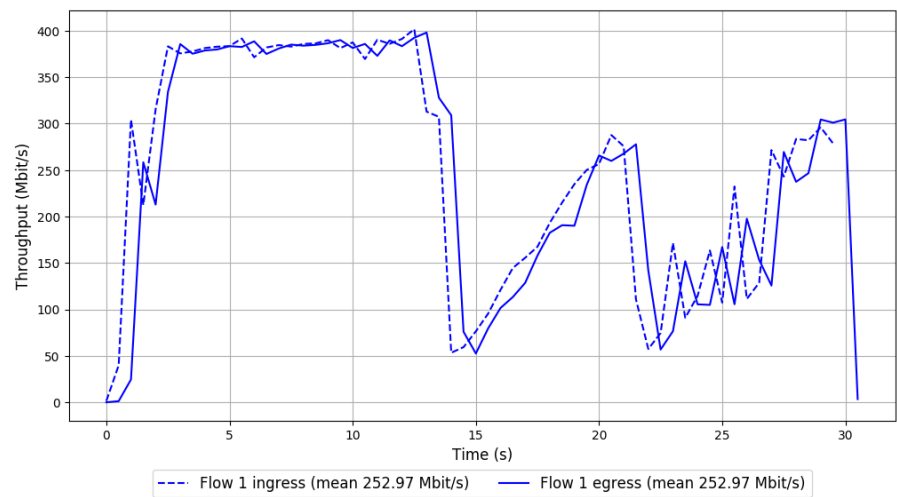
-- Flow 1:

Average throughput: 252.97 Mbit/s

95th percentile per-packet one-way delay: 62.084 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link

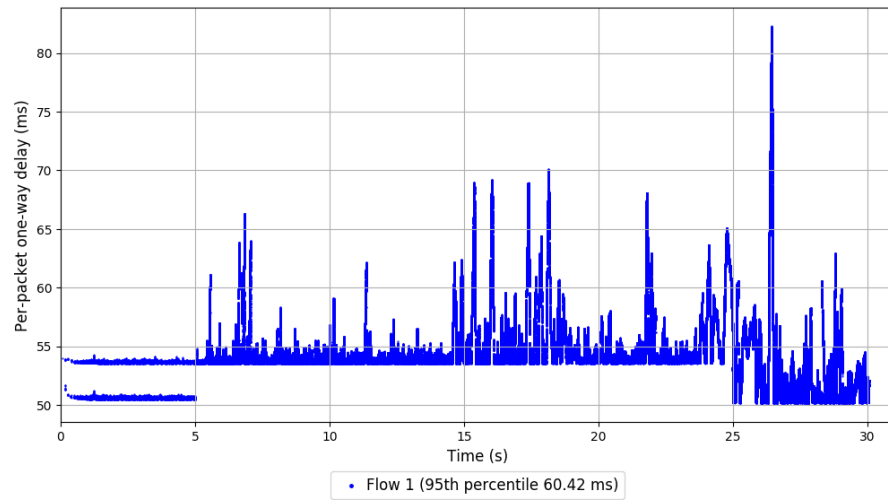
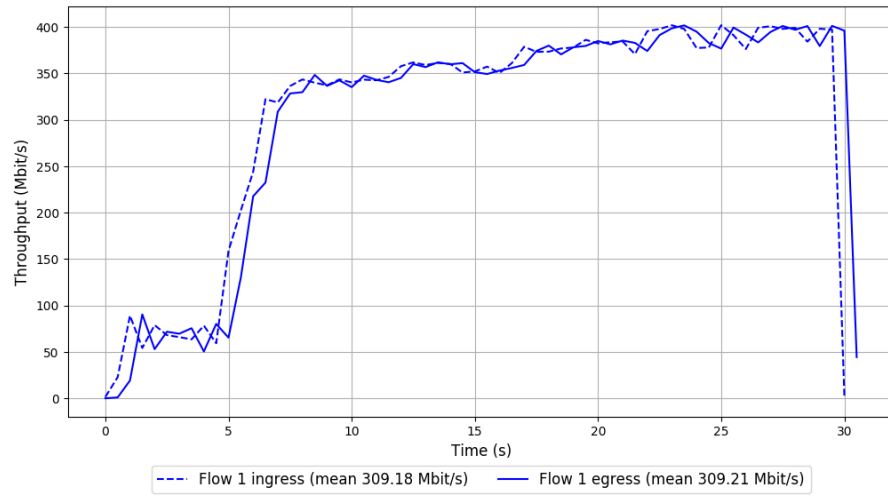


Run 4: Statistics of Copa

Start at: 2018-07-26 13:39:45
End at: 2018-07-26 13:40:15
Local clock offset: -0.121 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-07-26 16:20:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 309.21 Mbit/s
95th percentile per-packet one-way delay: 60.421 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 309.21 Mbit/s
95th percentile per-packet one-way delay: 60.421 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

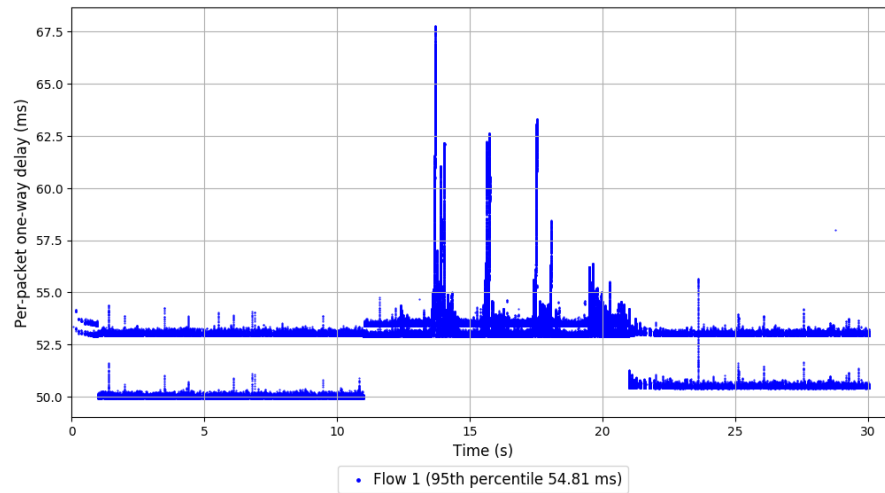
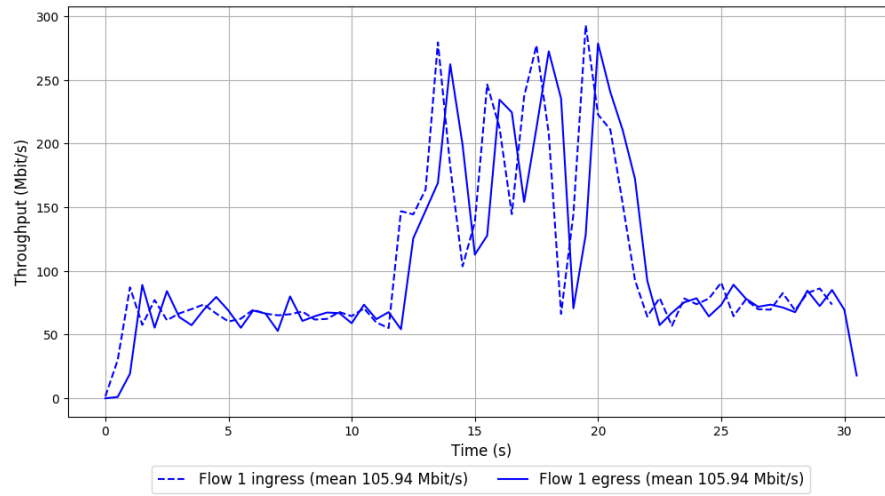


Run 5: Statistics of Copa

Start at: 2018-07-26 14:01:29
End at: 2018-07-26 14:01:59
Local clock offset: 0.198 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-26 16:20:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 105.94 Mbit/s
95th percentile per-packet one-way delay: 54.813 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 105.94 Mbit/s
95th percentile per-packet one-way delay: 54.813 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-26 14:23:07

End at: 2018-07-26 14:23:37

Local clock offset: 0.058 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-07-26 16:20:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 190.20 Mbit/s

95th percentile per-packet one-way delay: 61.859 ms

Loss rate: 0.00%

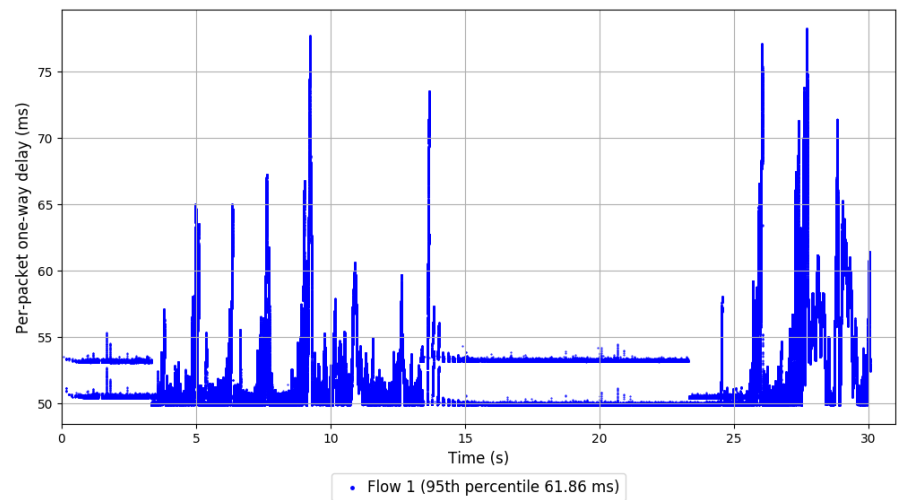
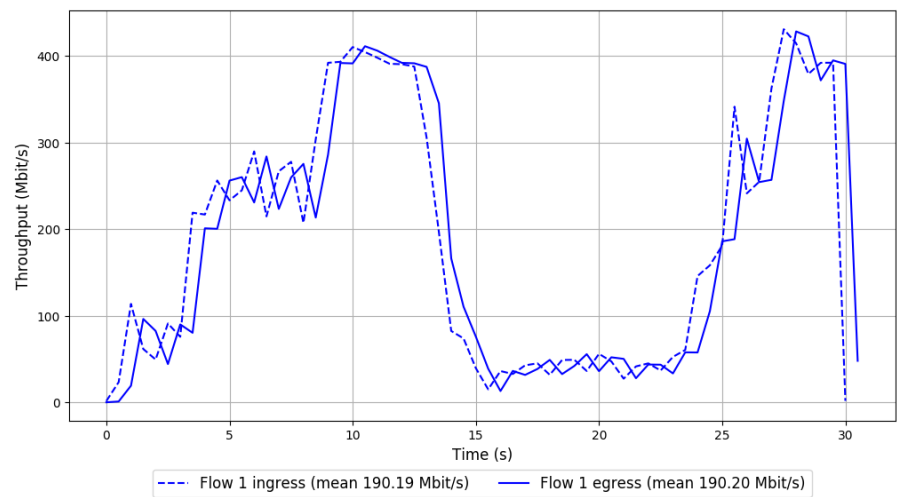
-- Flow 1:

Average throughput: 190.20 Mbit/s

95th percentile per-packet one-way delay: 61.859 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link

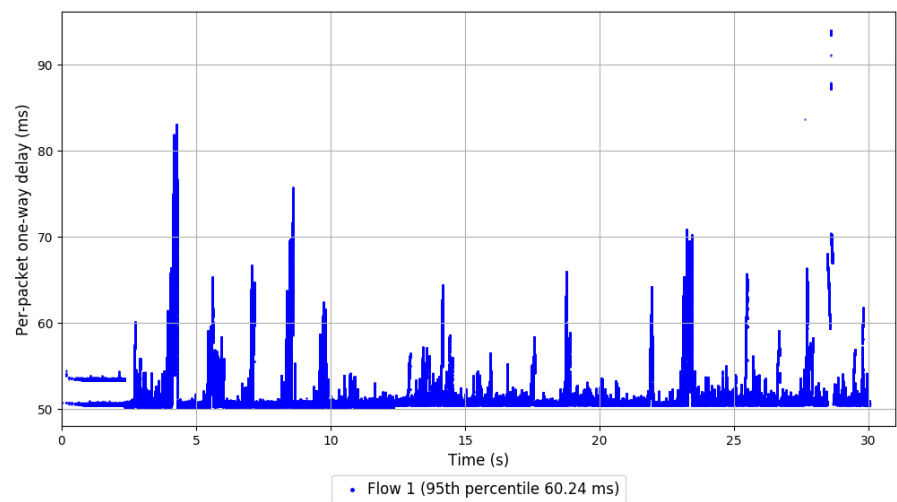
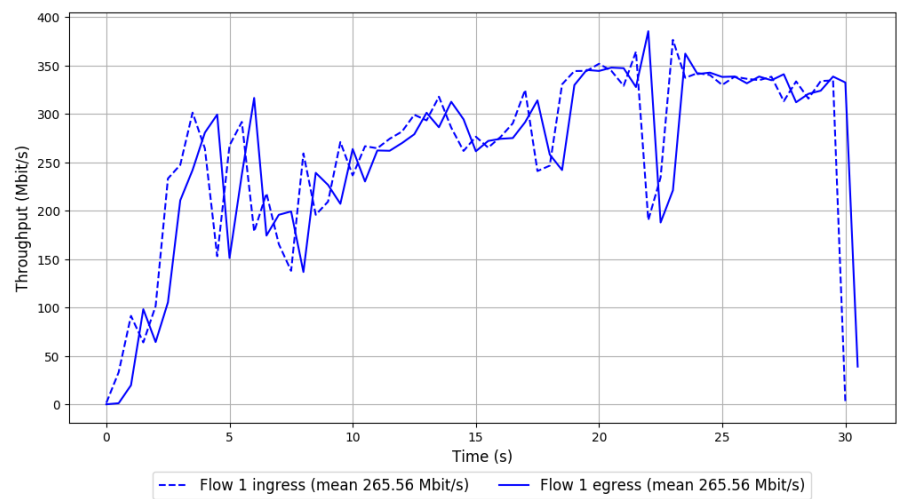


Run 7: Statistics of Copa

Start at: 2018-07-26 14:44:58
End at: 2018-07-26 14:45:28
Local clock offset: -0.208 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-07-26 16:22:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 265.56 Mbit/s
95th percentile per-packet one-way delay: 60.242 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 265.56 Mbit/s
95th percentile per-packet one-way delay: 60.242 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-26 15:07:28

End at: 2018-07-26 15:07:58

Local clock offset: 0.229 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-07-26 16:22:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.41 Mbit/s

95th percentile per-packet one-way delay: 52.791 ms

Loss rate: 0.00%

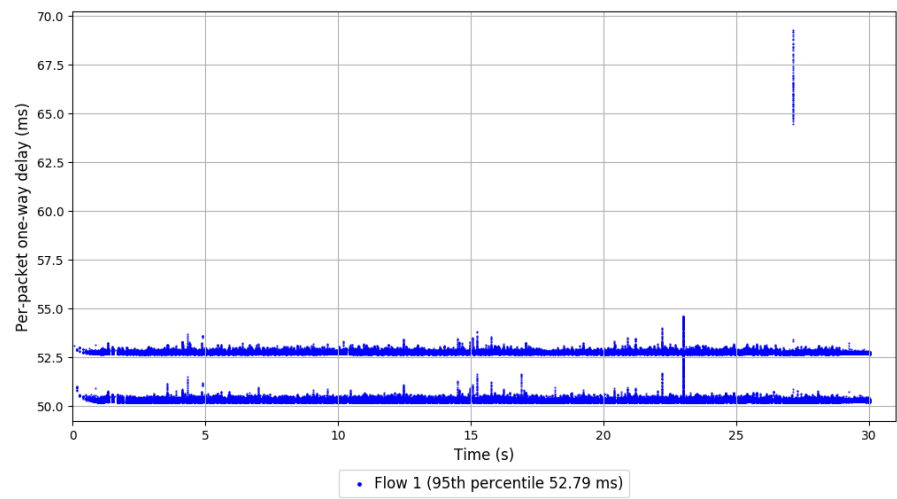
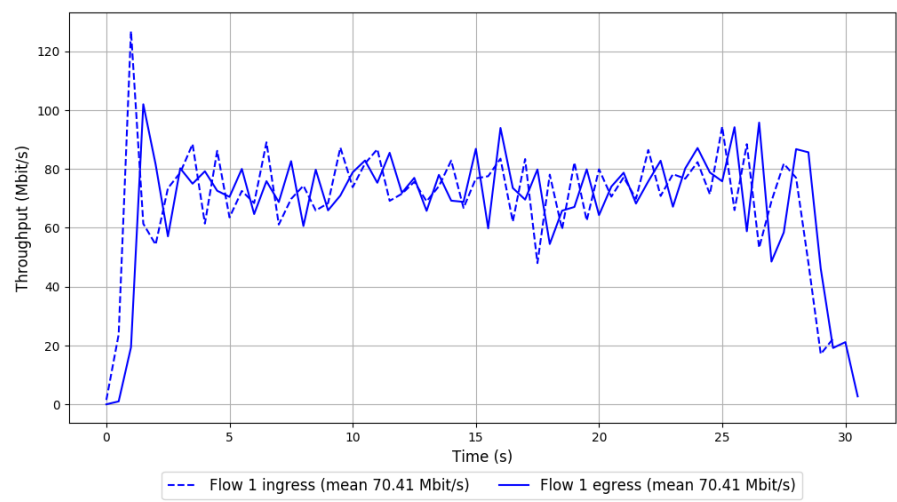
-- Flow 1:

Average throughput: 70.41 Mbit/s

95th percentile per-packet one-way delay: 52.791 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-26 15:29:06

End at: 2018-07-26 15:29:36

Local clock offset: 0.015 ms

Remote clock offset: 1.107 ms

Below is generated by plot.py at 2018-07-26 16:22:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.64 Mbit/s

95th percentile per-packet one-way delay: 54.440 ms

Loss rate: 0.00%

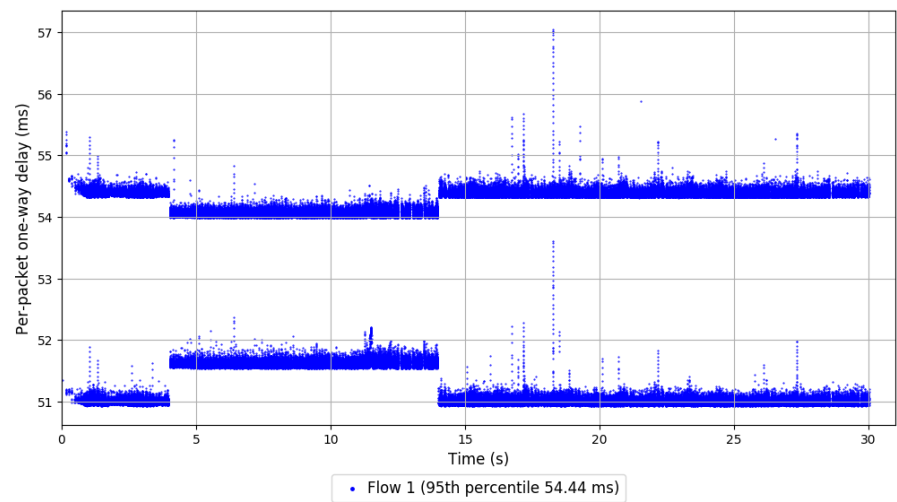
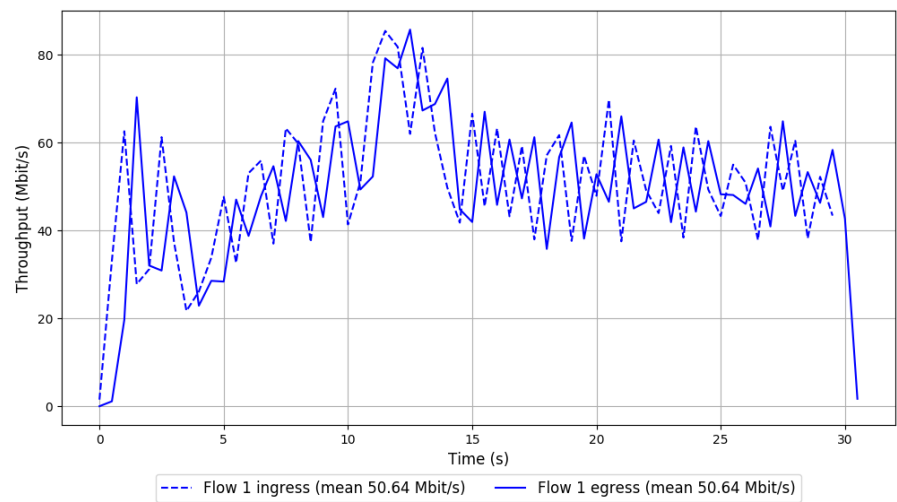
-- Flow 1:

Average throughput: 50.64 Mbit/s

95th percentile per-packet one-way delay: 54.440 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-26 15:50:54

End at: 2018-07-26 15:51:24

Local clock offset: -0.0 ms

Remote clock offset: 1.238 ms

Below is generated by plot.py at 2018-07-26 16:22:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.22 Mbit/s

95th percentile per-packet one-way delay: 54.649 ms

Loss rate: 0.00%

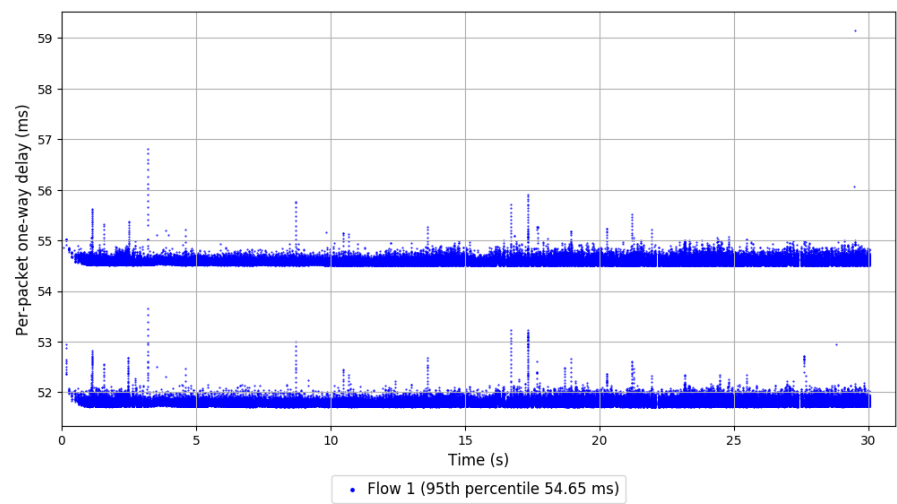
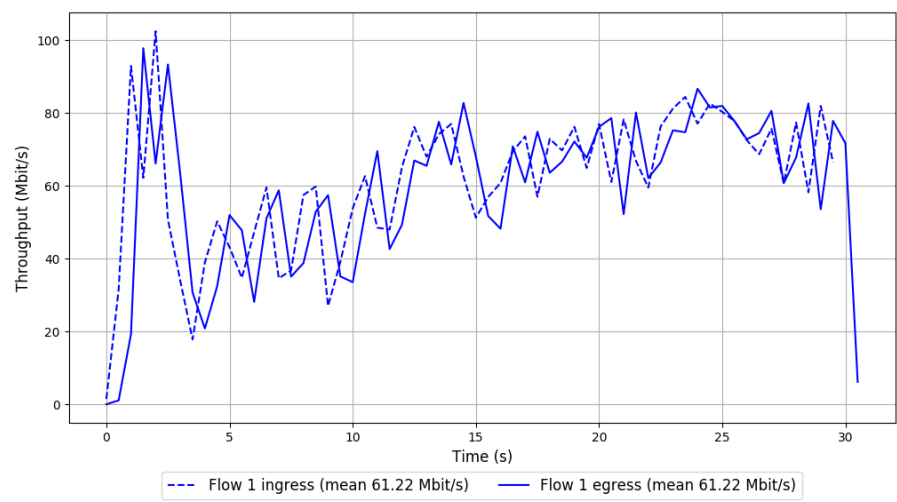
-- Flow 1:

Average throughput: 61.22 Mbit/s

95th percentile per-packet one-way delay: 54.649 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

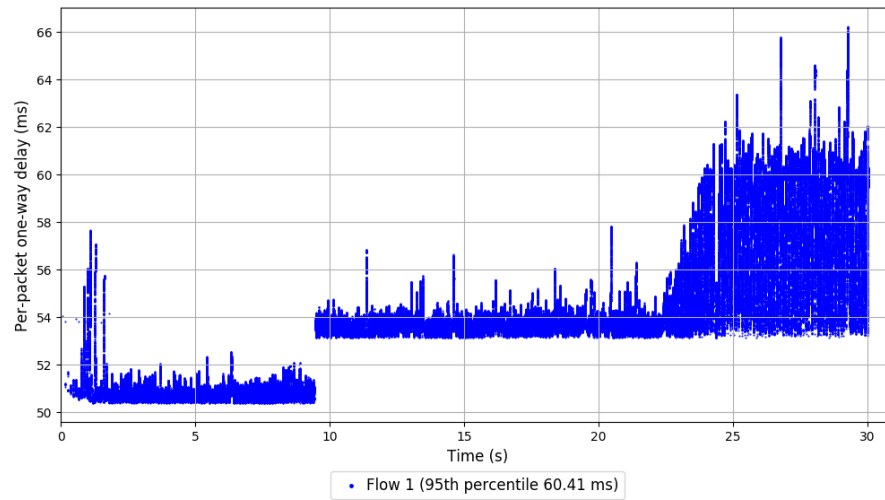
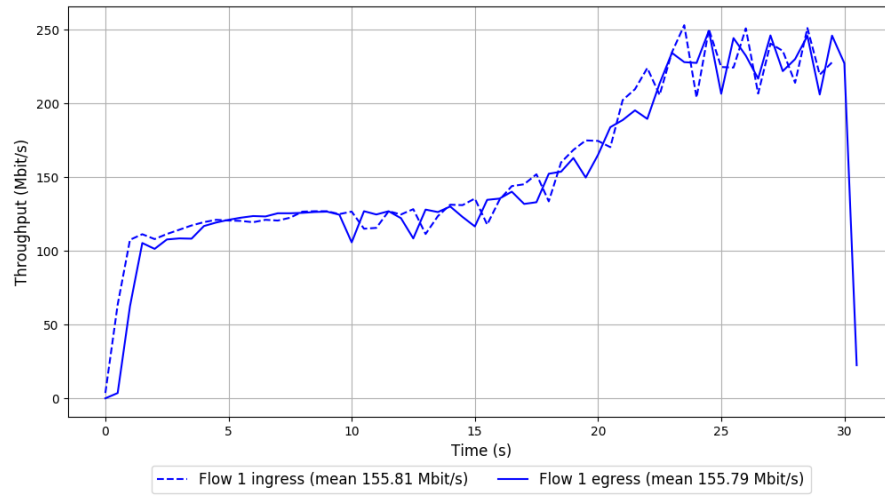


Run 1: Statistics of TCP Cubic

Start at: 2018-07-26 12:27:41
End at: 2018-07-26 12:28:11
Local clock offset: -0.119 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-07-26 16:22:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 155.79 Mbit/s
95th percentile per-packet one-way delay: 60.407 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 155.79 Mbit/s
95th percentile per-packet one-way delay: 60.407 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

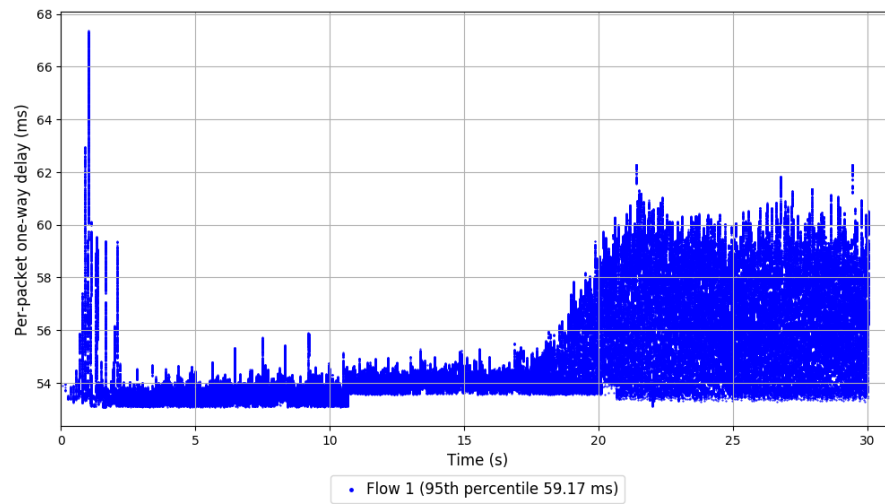
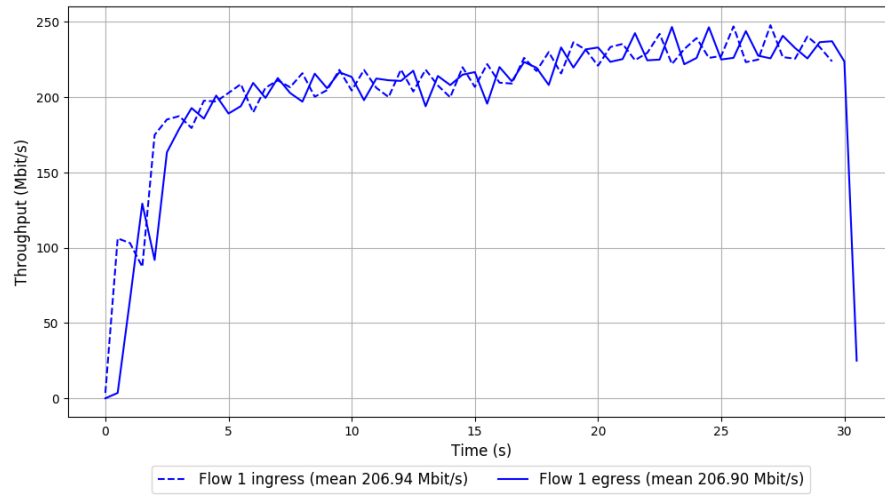


Run 2: Statistics of TCP Cubic

Start at: 2018-07-26 12:49:29
End at: 2018-07-26 12:50:00
Local clock offset: -0.015 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-07-26 16:22:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 206.90 Mbit/s
95th percentile per-packet one-way delay: 59.168 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 206.90 Mbit/s
95th percentile per-packet one-way delay: 59.168 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

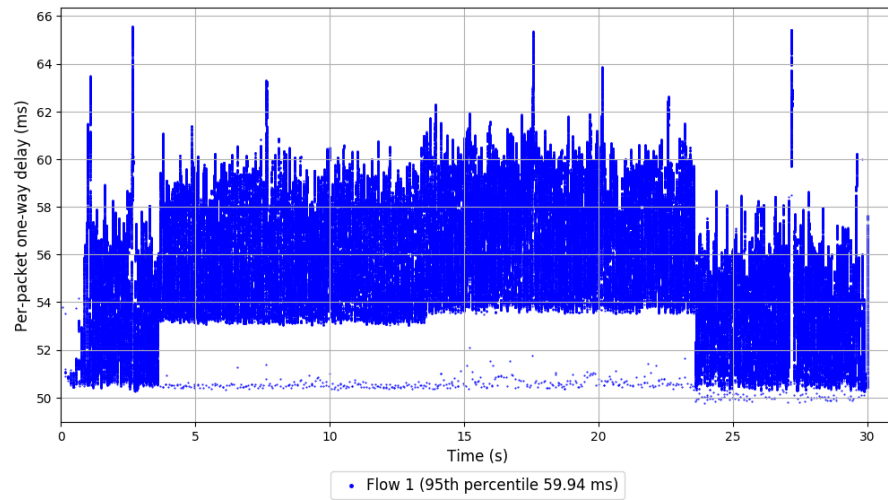
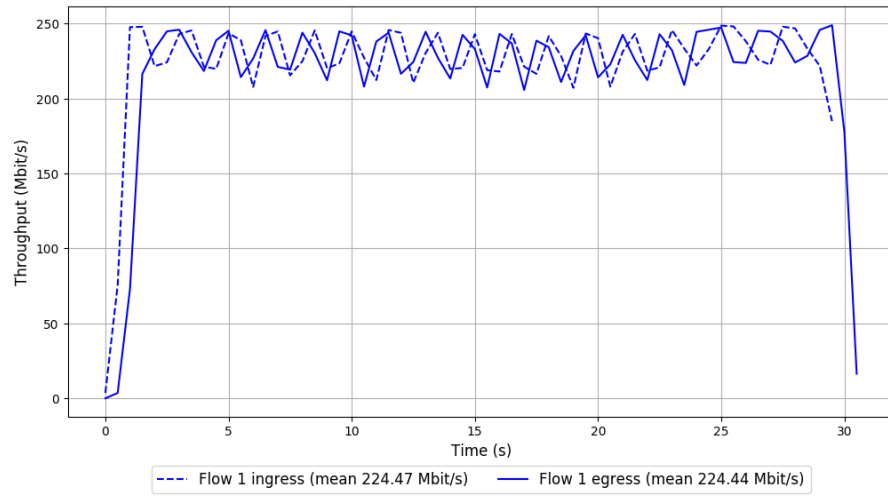


Run 3: Statistics of TCP Cubic

Start at: 2018-07-26 13:11:37
End at: 2018-07-26 13:12:07
Local clock offset: -0.055 ms
Remote clock offset: -0.175 ms

Below is generated by plot.py at 2018-07-26 16:22:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 224.44 Mbit/s
95th percentile per-packet one-way delay: 59.941 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 224.44 Mbit/s
95th percentile per-packet one-way delay: 59.941 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link

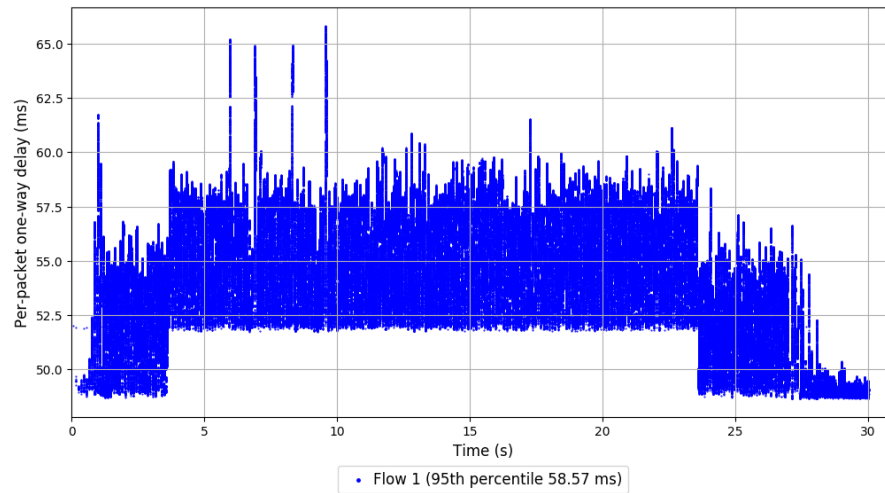
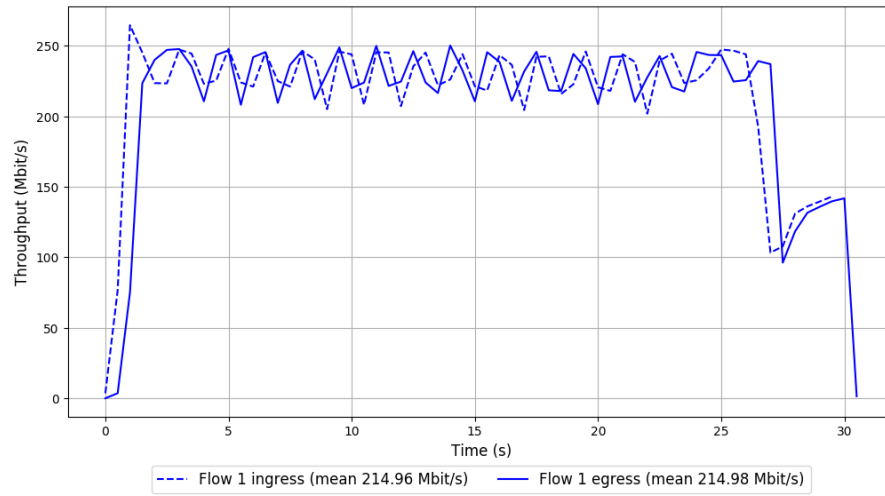


Run 4: Statistics of TCP Cubic

Start at: 2018-07-26 13:33:37
End at: 2018-07-26 13:34:07
Local clock offset: 0.208 ms
Remote clock offset: -1.495 ms

Below is generated by plot.py at 2018-07-26 16:22:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 214.98 Mbit/s
95th percentile per-packet one-way delay: 58.569 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 214.98 Mbit/s
95th percentile per-packet one-way delay: 58.569 ms
Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link

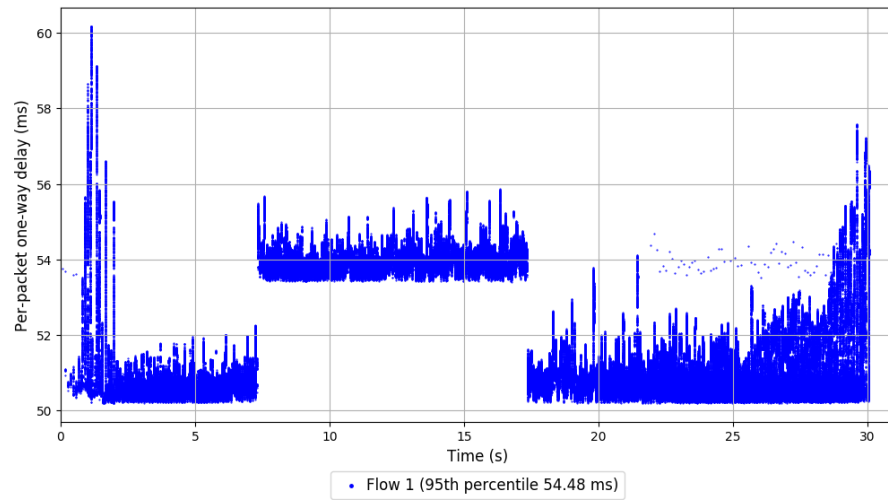
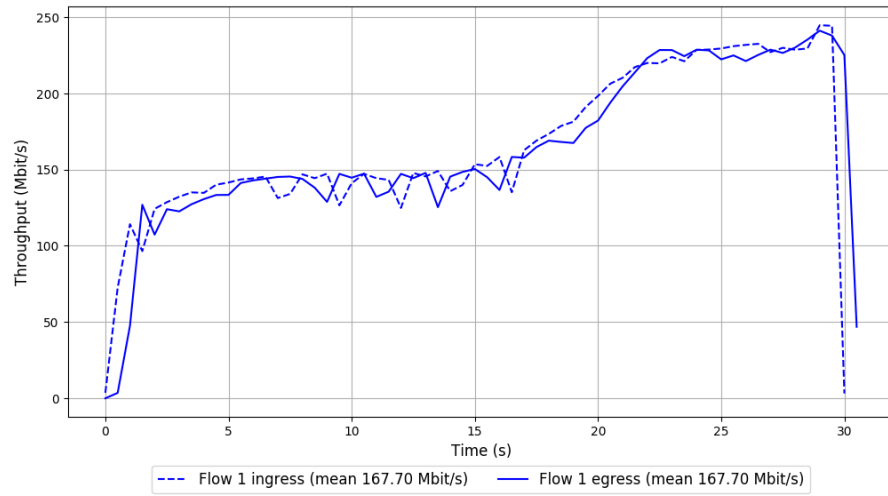


Run 5: Statistics of TCP Cubic

Start at: 2018-07-26 13:55:23
End at: 2018-07-26 13:55:53
Local clock offset: -0.015 ms
Remote clock offset: -0.246 ms

Below is generated by plot.py at 2018-07-26 16:22:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 167.70 Mbit/s
95th percentile per-packet one-way delay: 54.480 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 167.70 Mbit/s
95th percentile per-packet one-way delay: 54.480 ms
Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-26 14:16:59

End at: 2018-07-26 14:17:29

Local clock offset: 0.037 ms

Remote clock offset: 0.183 ms

Below is generated by plot.py at 2018-07-26 16:22:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 135.15 Mbit/s

95th percentile per-packet one-way delay: 56.963 ms

Loss rate: 0.00%

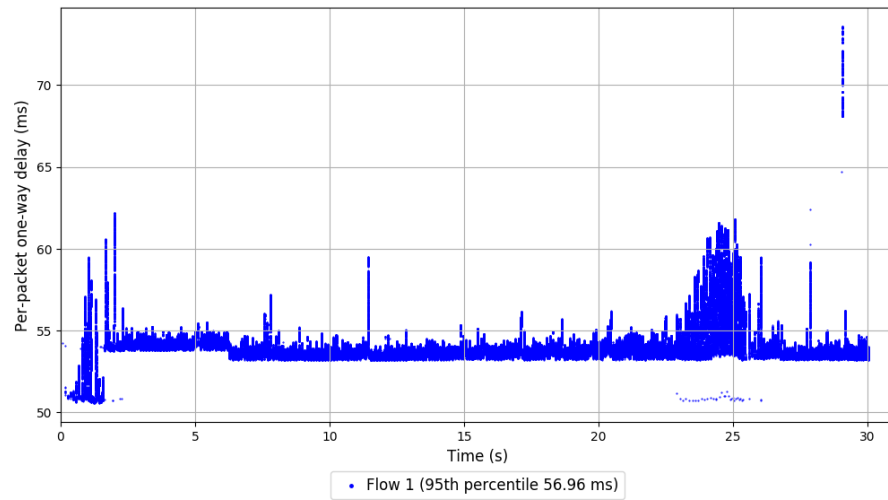
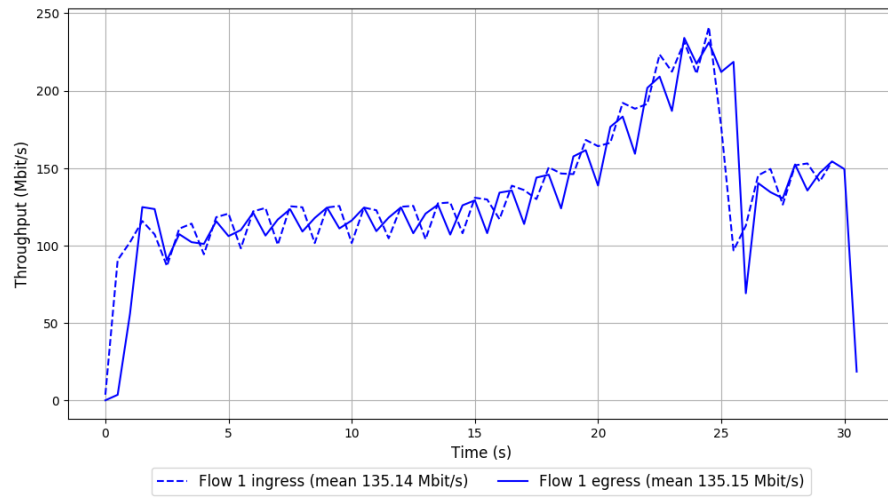
-- Flow 1:

Average throughput: 135.15 Mbit/s

95th percentile per-packet one-way delay: 56.963 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-07-26 14:38:51

End at: 2018-07-26 14:39:21

Local clock offset: -0.026 ms

Remote clock offset: 1.31 ms

Below is generated by plot.py at 2018-07-26 16:22:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 161.09 Mbit/s

95th percentile per-packet one-way delay: 55.575 ms

Loss rate: 0.00%

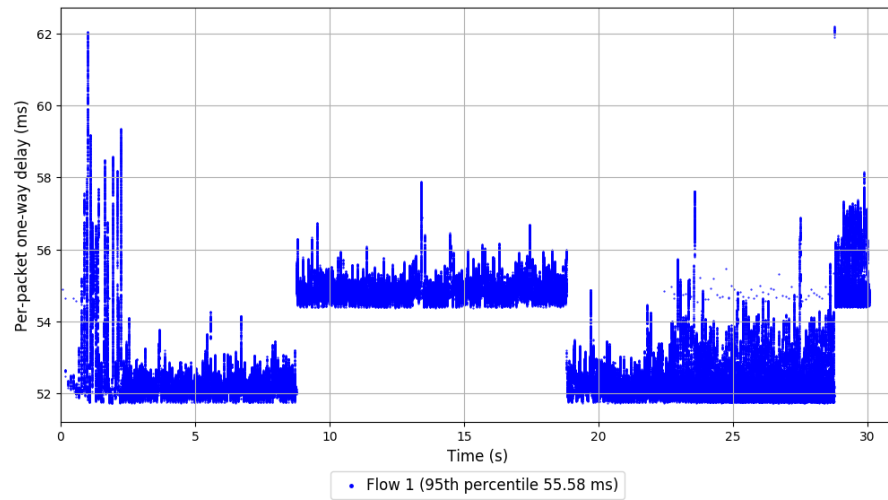
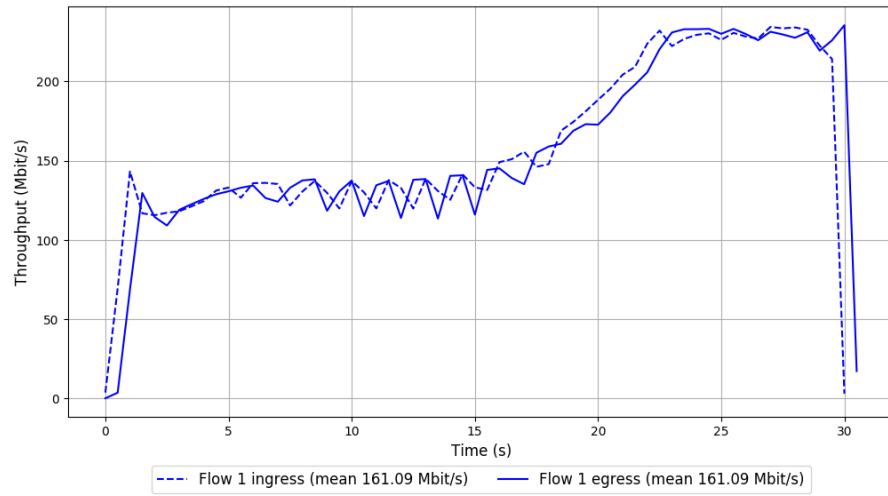
-- Flow 1:

Average throughput: 161.09 Mbit/s

95th percentile per-packet one-way delay: 55.575 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link

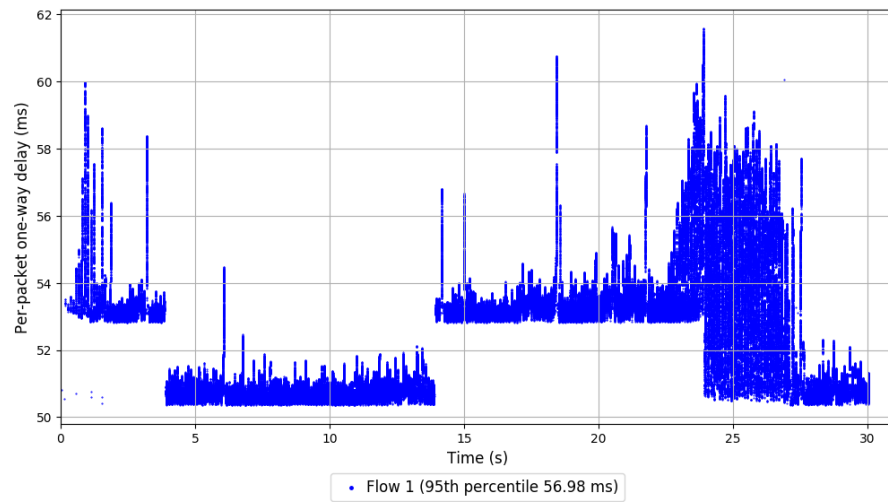
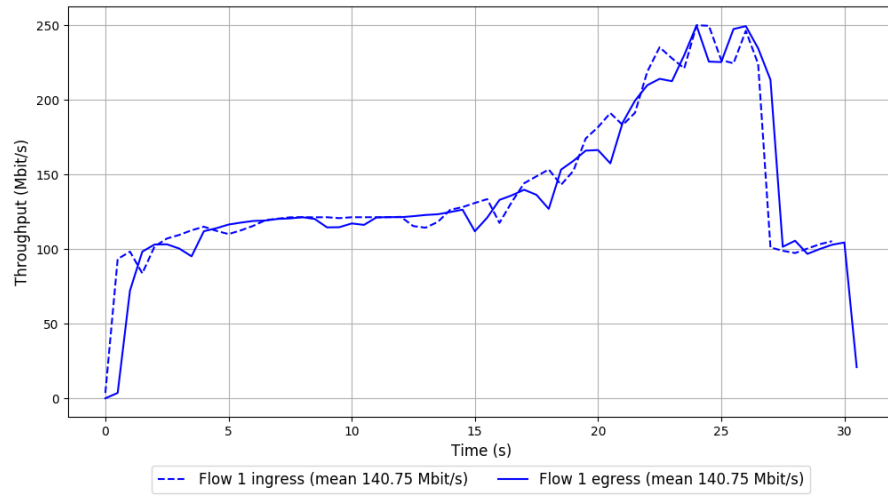


Run 8: Statistics of TCP Cubic

Start at: 2018-07-26 15:01:16
End at: 2018-07-26 15:01:46
Local clock offset: -0.106 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2018-07-26 16:22:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 140.75 Mbit/s
95th percentile per-packet one-way delay: 56.976 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 140.75 Mbit/s
95th percentile per-packet one-way delay: 56.976 ms
Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-26 15:22:58

End at: 2018-07-26 15:23:28

Local clock offset: 0.05 ms

Remote clock offset: 1.412 ms

Below is generated by plot.py at 2018-07-26 16:24:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.45 Mbit/s

95th percentile per-packet one-way delay: 60.043 ms

Loss rate: 0.00%

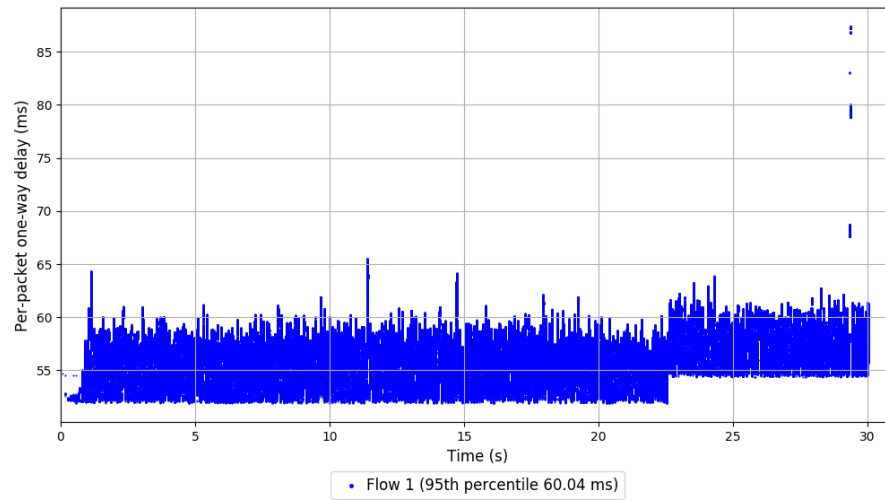
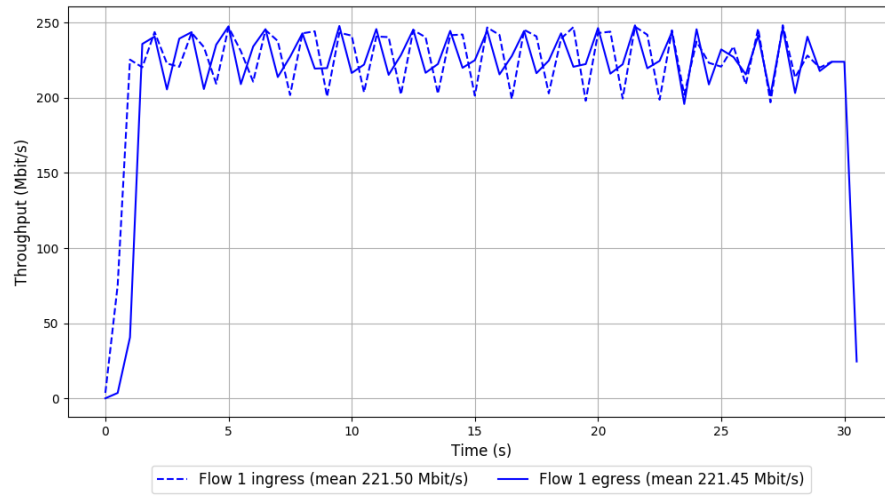
-- Flow 1:

Average throughput: 221.45 Mbit/s

95th percentile per-packet one-way delay: 60.043 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-26 15:44:47

End at: 2018-07-26 15:45:17

Local clock offset: 0.172 ms

Remote clock offset: 1.191 ms

Below is generated by plot.py at 2018-07-26 16:24:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 158.58 Mbit/s

95th percentile per-packet one-way delay: 61.425 ms

Loss rate: 0.00%

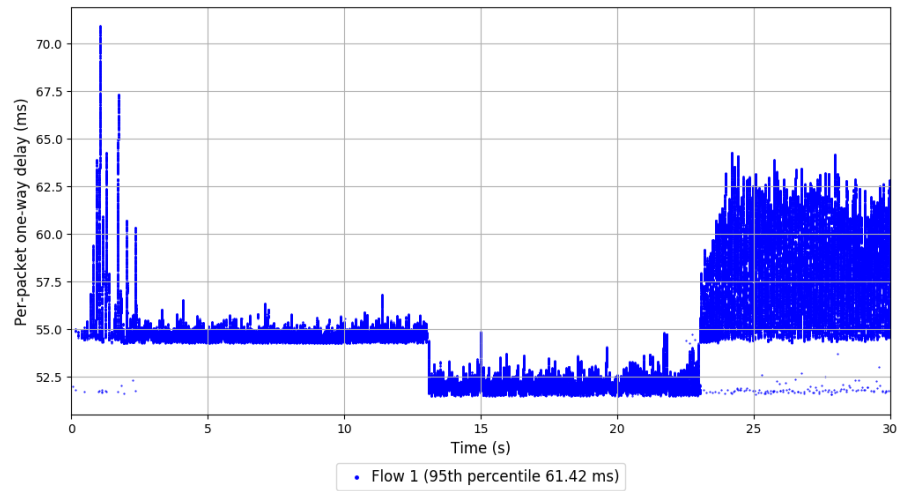
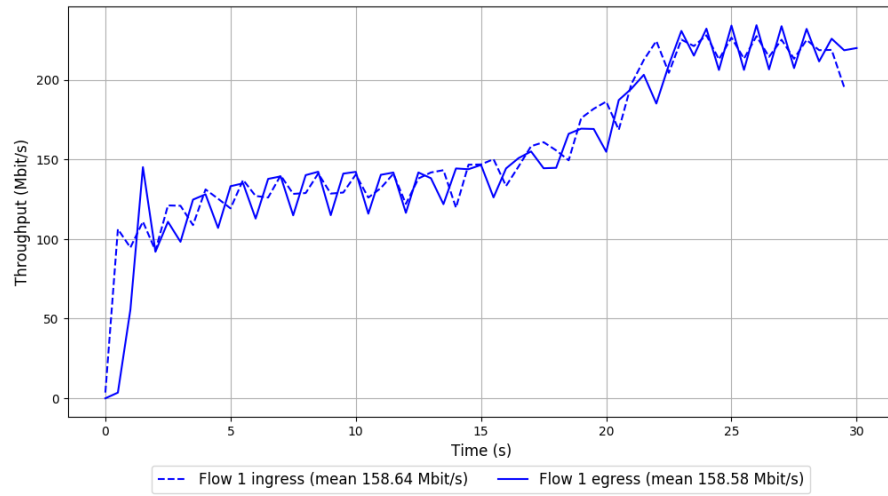
-- Flow 1:

Average throughput: 158.58 Mbit/s

95th percentile per-packet one-way delay: 61.425 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-07-26 12:31:04

End at: 2018-07-26 12:31:35

Local clock offset: -0.041 ms

Remote clock offset: 0.318 ms

Below is generated by plot.py at 2018-07-26 16:41:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 828.46 Mbit/s

95th percentile per-packet one-way delay: 149.024 ms

Loss rate: 1.70%

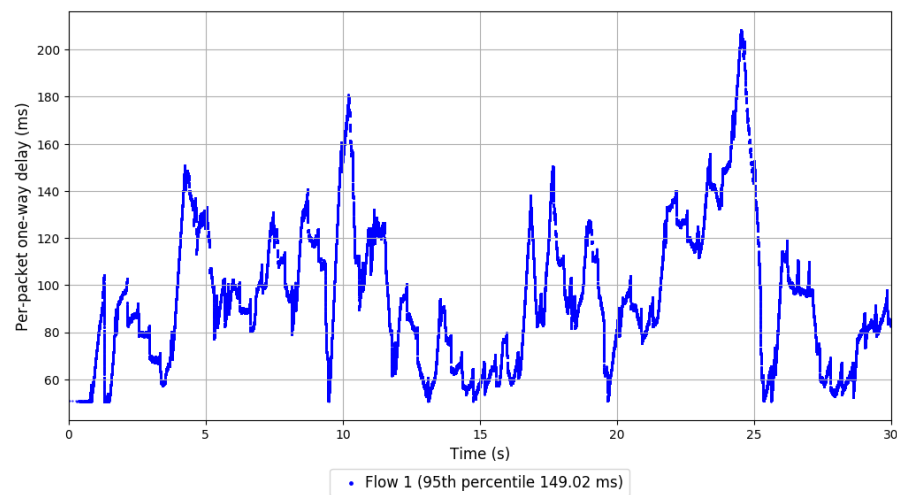
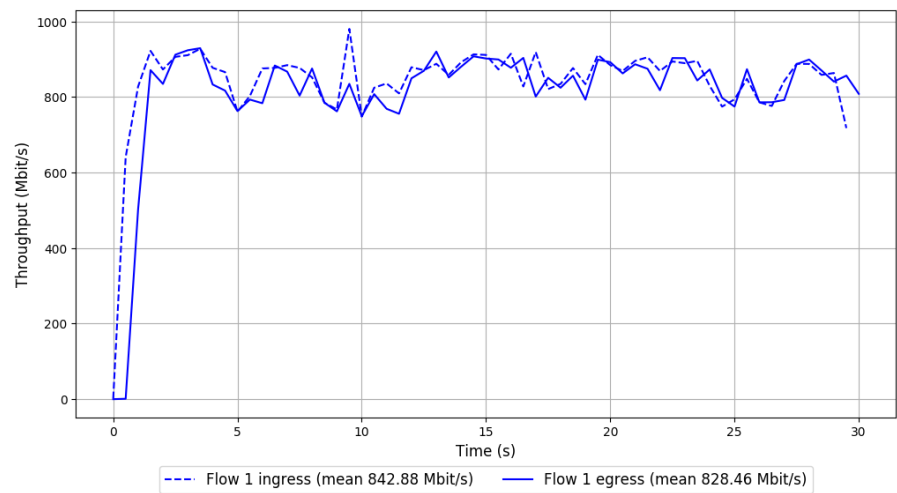
-- Flow 1:

Average throughput: 828.46 Mbit/s

95th percentile per-packet one-way delay: 149.024 ms

Loss rate: 1.70%

Run 1: Report of FillP — Data Link

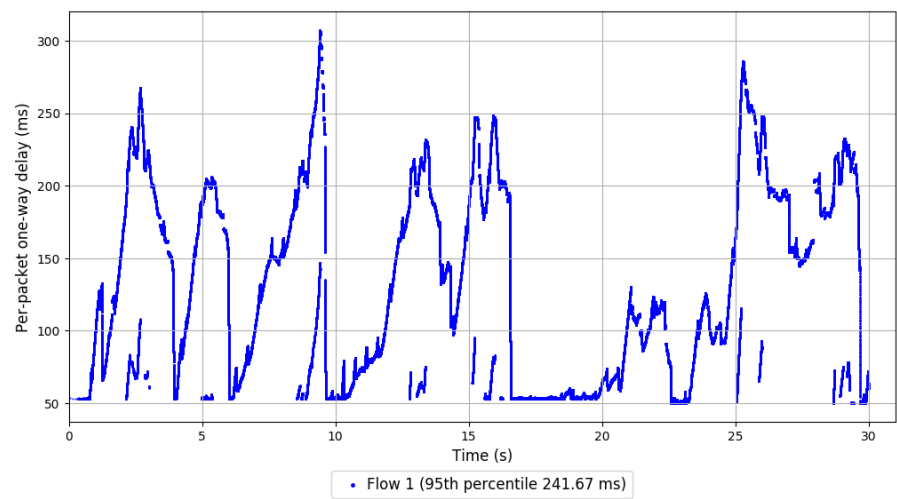
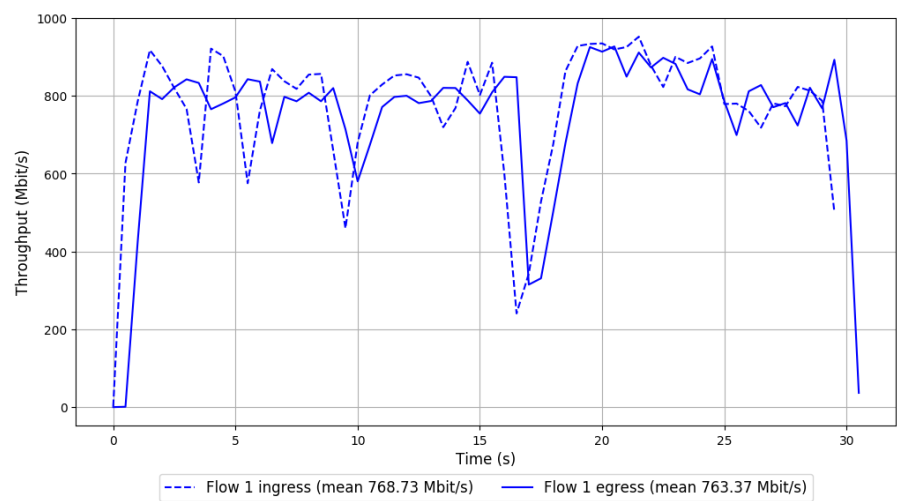


Run 2: Statistics of FillP

Start at: 2018-07-26 12:53:00
End at: 2018-07-26 12:53:30
Local clock offset: -0.011 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2018-07-26 16:41:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 763.37 Mbit/s
95th percentile per-packet one-way delay: 241.667 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 763.37 Mbit/s
95th percentile per-packet one-way delay: 241.667 ms
Loss rate: 0.69%

Run 2: Report of FillP — Data Link

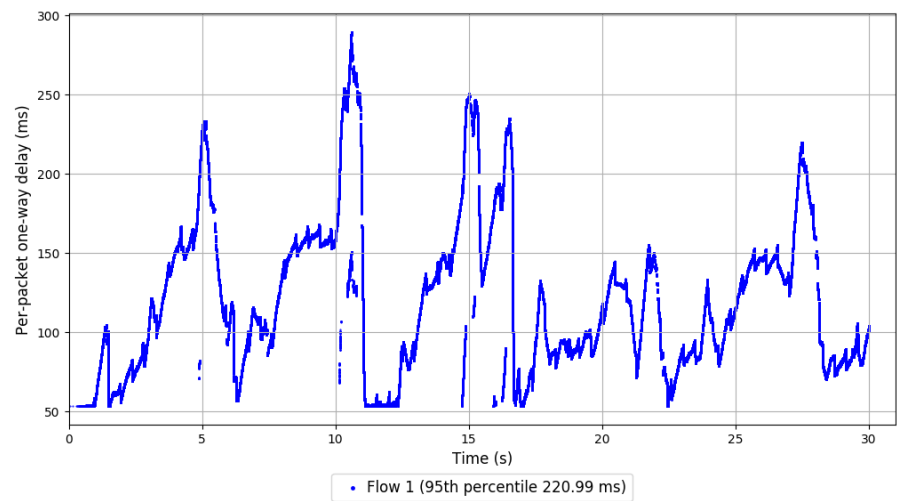
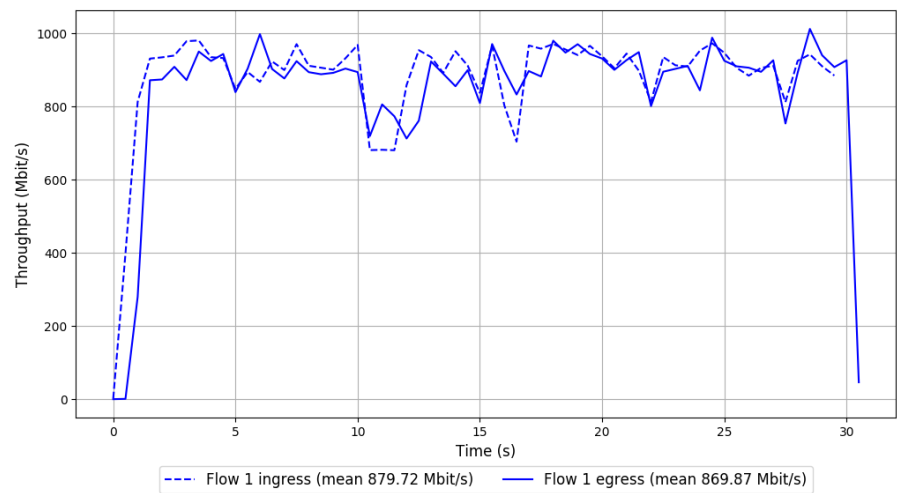


Run 3: Statistics of FillP

Start at: 2018-07-26 13:15:04
End at: 2018-07-26 13:15:34
Local clock offset: -0.083 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2018-07-26 16:43:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 869.87 Mbit/s
95th percentile per-packet one-way delay: 220.986 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 869.87 Mbit/s
95th percentile per-packet one-way delay: 220.986 ms
Loss rate: 1.11%

Run 3: Report of FillP — Data Link

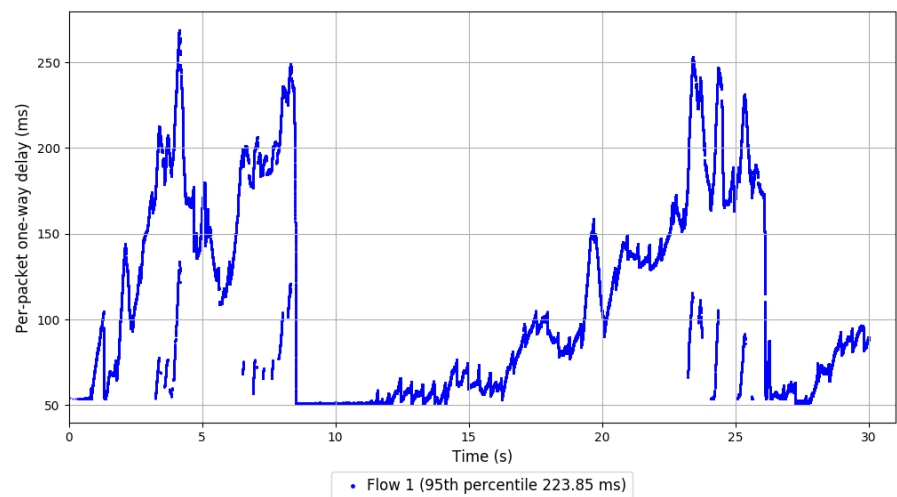
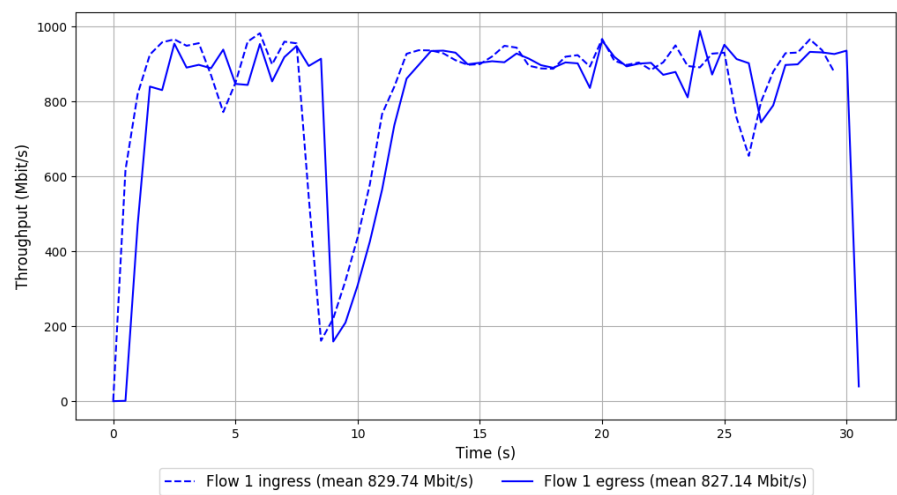


Run 4: Statistics of FillP

Start at: 2018-07-26 13:37:03
End at: 2018-07-26 13:37:33
Local clock offset: 0.07 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-07-26 16:43:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 827.14 Mbit/s
95th percentile per-packet one-way delay: 223.846 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 827.14 Mbit/s
95th percentile per-packet one-way delay: 223.846 ms
Loss rate: 0.31%

Run 4: Report of FillP — Data Link

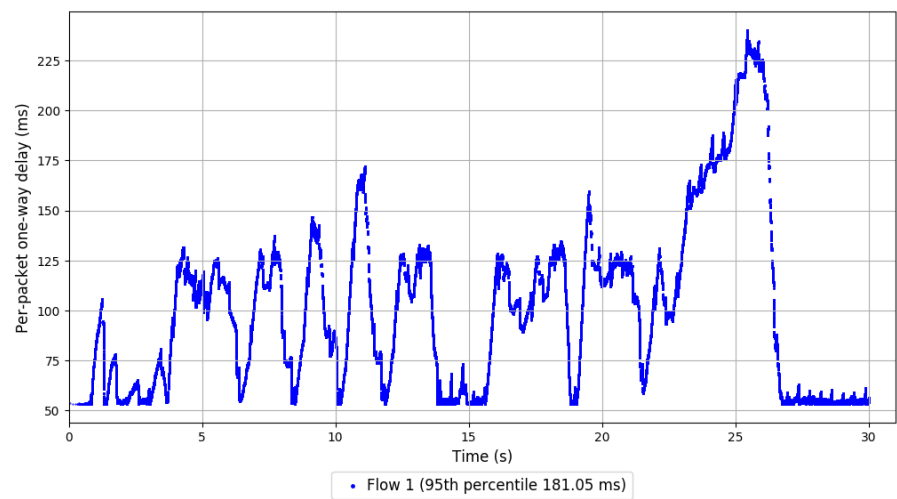
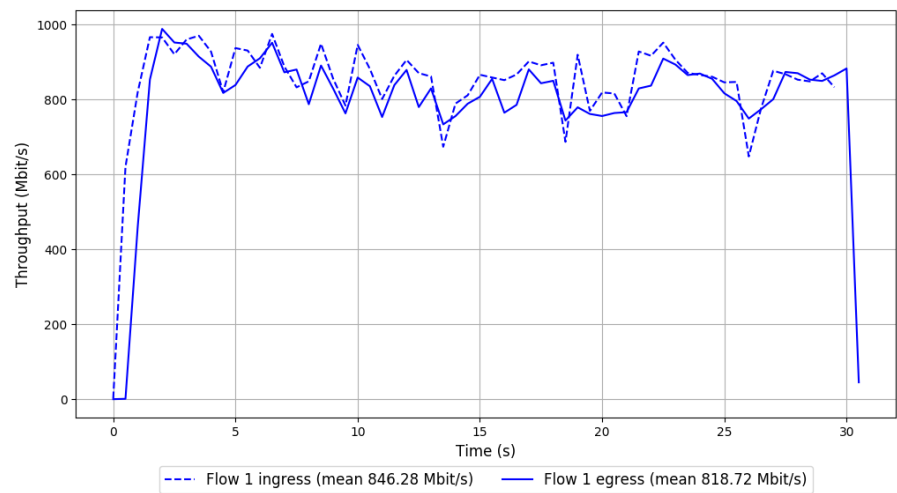


Run 5: Statistics of FillP

Start at: 2018-07-26 13:58:47
End at: 2018-07-26 13:59:17
Local clock offset: -0.088 ms
Remote clock offset: -0.217 ms

Below is generated by plot.py at 2018-07-26 16:43:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 818.72 Mbit/s
95th percentile per-packet one-way delay: 181.050 ms
Loss rate: 3.25%
-- Flow 1:
Average throughput: 818.72 Mbit/s
95th percentile per-packet one-way delay: 181.050 ms
Loss rate: 3.25%

Run 5: Report of FillP — Data Link

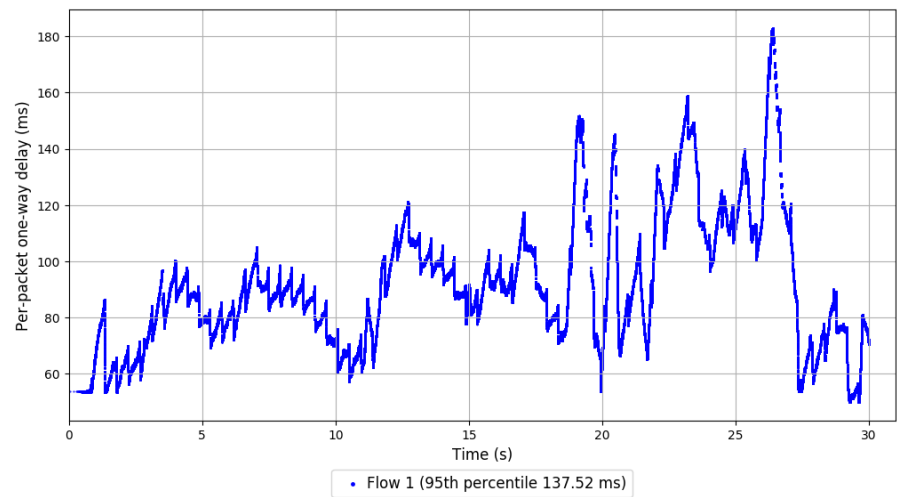
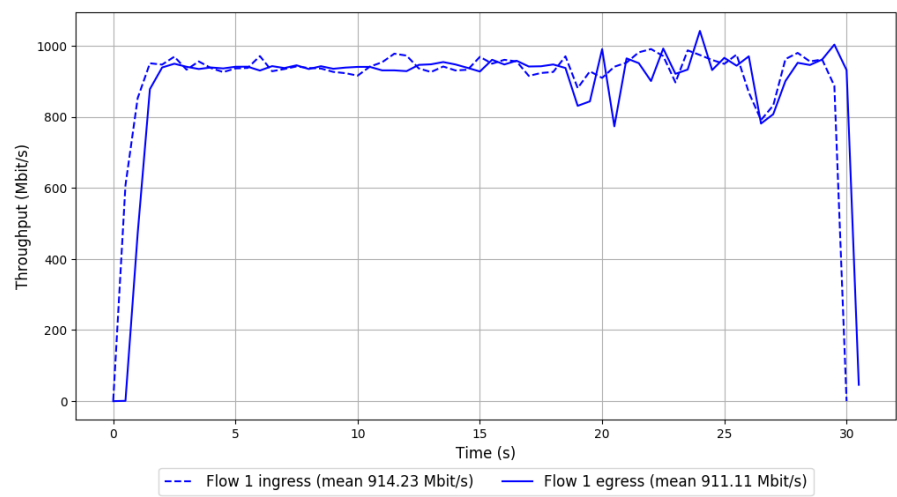


Run 6: Statistics of FillP

Start at: 2018-07-26 14:20:21
End at: 2018-07-26 14:20:51
Local clock offset: -0.217 ms
Remote clock offset: -0.236 ms

Below is generated by plot.py at 2018-07-26 16:45:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 911.11 Mbit/s
95th percentile per-packet one-way delay: 137.521 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 911.11 Mbit/s
95th percentile per-packet one-way delay: 137.521 ms
Loss rate: 0.65%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-26 14:42:15

End at: 2018-07-26 14:42:45

Local clock offset: 0.074 ms

Remote clock offset: 1.403 ms

Below is generated by plot.py at 2018-07-26 16:45:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 837.44 Mbit/s

95th percentile per-packet one-way delay: 159.624 ms

Loss rate: 2.26%

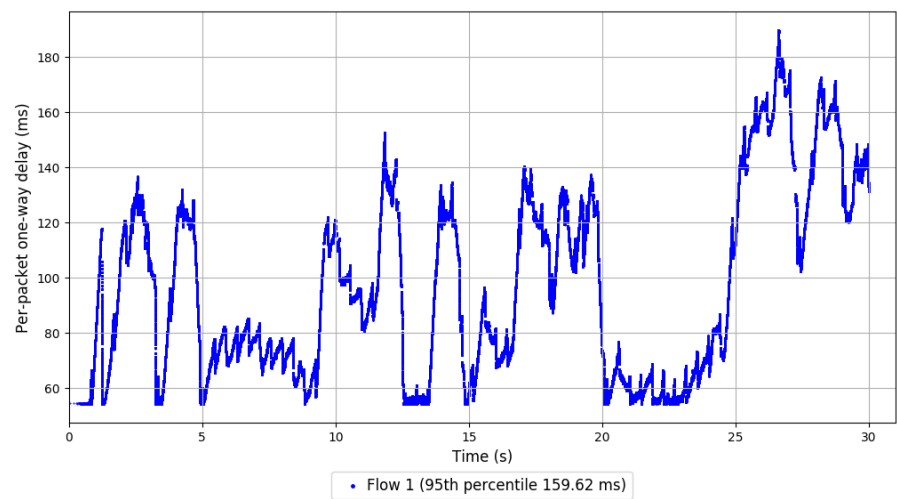
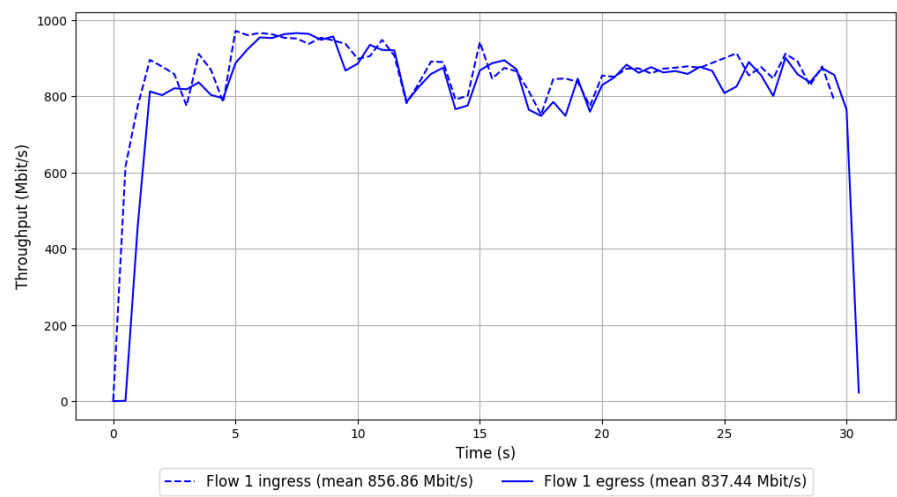
-- Flow 1:

Average throughput: 837.44 Mbit/s

95th percentile per-packet one-way delay: 159.624 ms

Loss rate: 2.26%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-26 15:04:44

End at: 2018-07-26 15:05:14

Local clock offset: -0.029 ms

Remote clock offset: 1.326 ms

Below is generated by plot.py at 2018-07-26 16:47:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 895.07 Mbit/s

95th percentile per-packet one-way delay: 141.258 ms

Loss rate: 1.44%

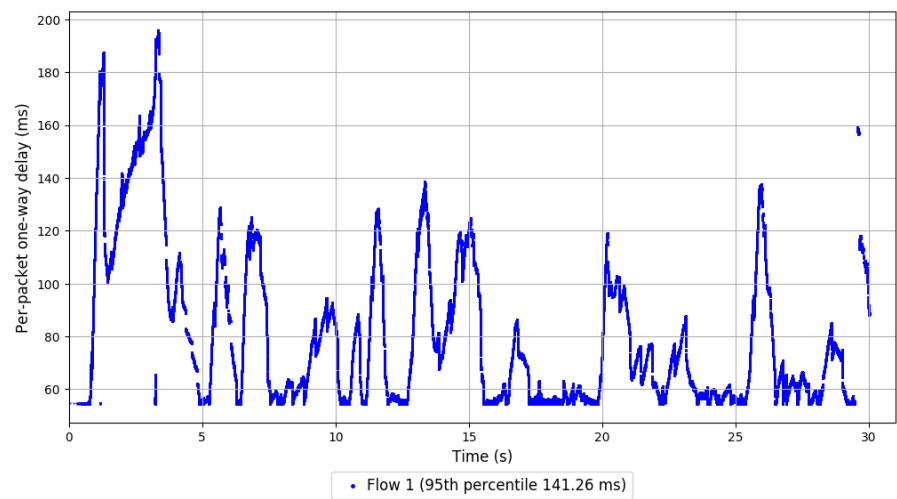
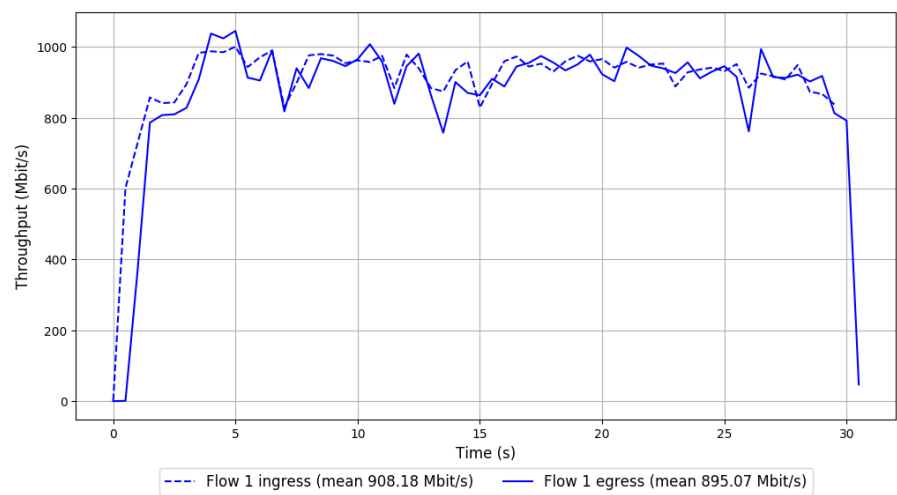
-- Flow 1:

Average throughput: 895.07 Mbit/s

95th percentile per-packet one-way delay: 141.258 ms

Loss rate: 1.44%

Run 8: Report of FillP — Data Link

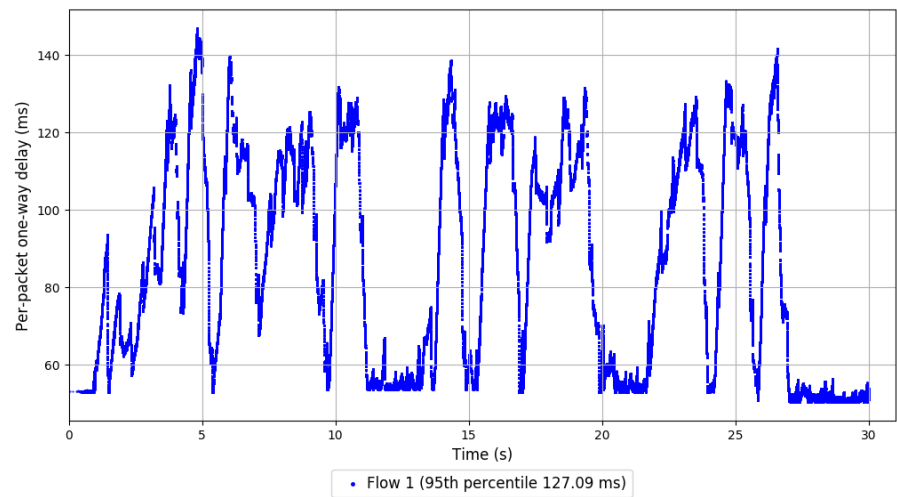
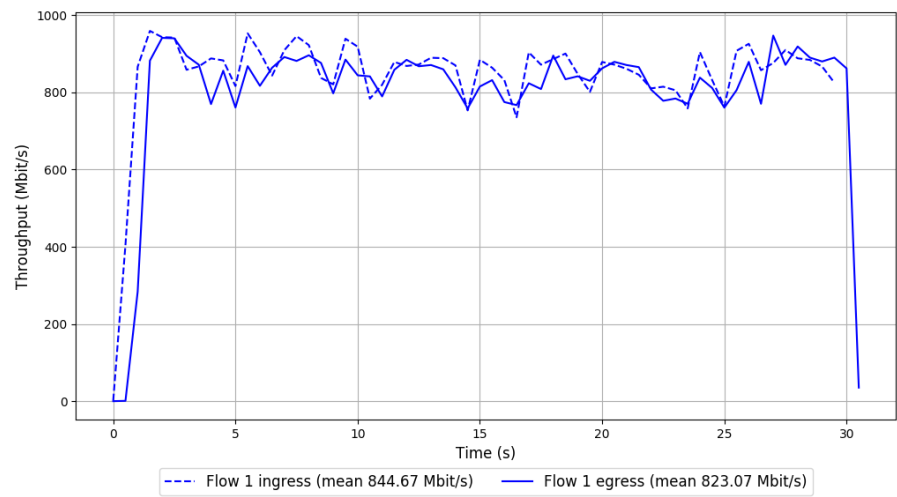


Run 9: Statistics of FillP

Start at: 2018-07-26 15:26:24
End at: 2018-07-26 15:26:54
Local clock offset: 0.035 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-26 17:02:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 823.07 Mbit/s
95th percentile per-packet one-way delay: 127.094 ms
Loss rate: 2.56%
-- Flow 1:
Average throughput: 823.07 Mbit/s
95th percentile per-packet one-way delay: 127.094 ms
Loss rate: 2.56%

Run 9: Report of FillP — Data Link

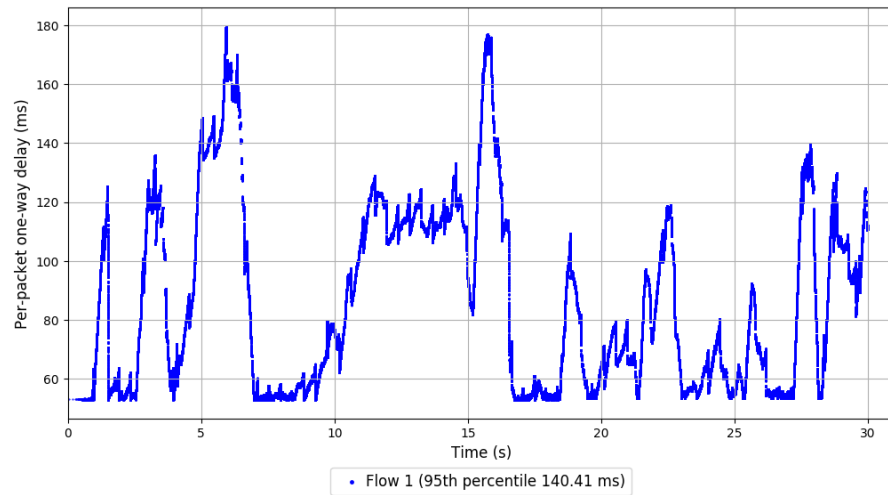
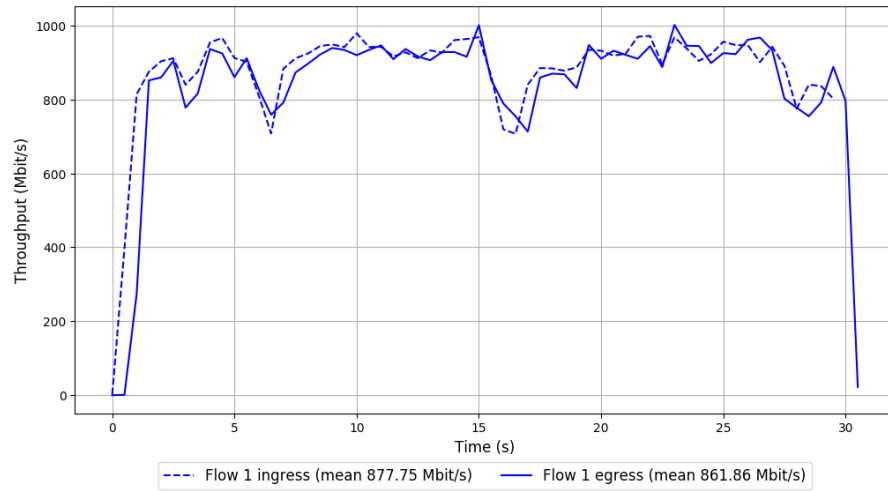


Run 10: Statistics of FillP

Start at: 2018-07-26 15:48:11
End at: 2018-07-26 15:48:41
Local clock offset: -0.011 ms
Remote clock offset: -0.208 ms

Below is generated by plot.py at 2018-07-26 17:03:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 861.86 Mbit/s
95th percentile per-packet one-way delay: 140.413 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 861.86 Mbit/s
95th percentile per-packet one-way delay: 140.413 ms
Loss rate: 1.81%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-26 12:20:57

End at: 2018-07-26 12:21:27

Local clock offset: -0.007 ms

Remote clock offset: 0.186 ms

Below is generated by plot.py at 2018-07-26 17:05:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 876.38 Mbit/s

95th percentile per-packet one-way delay: 109.311 ms

Loss rate: 0.16%

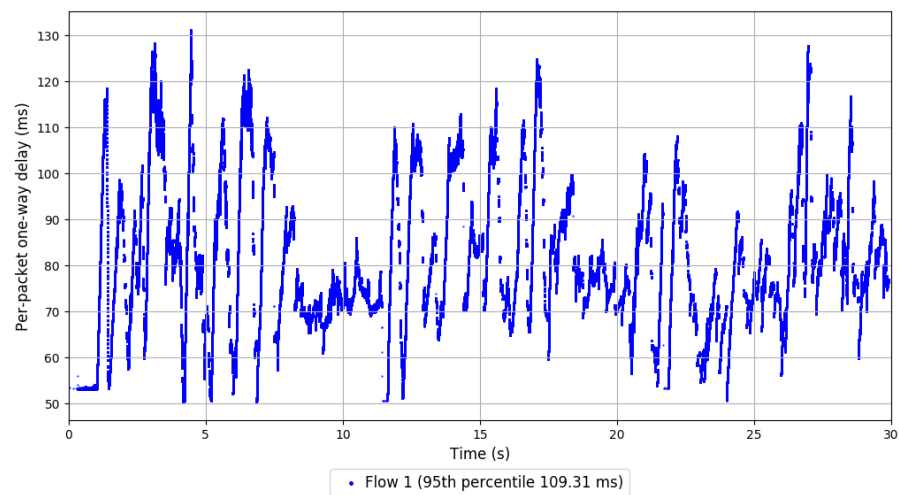
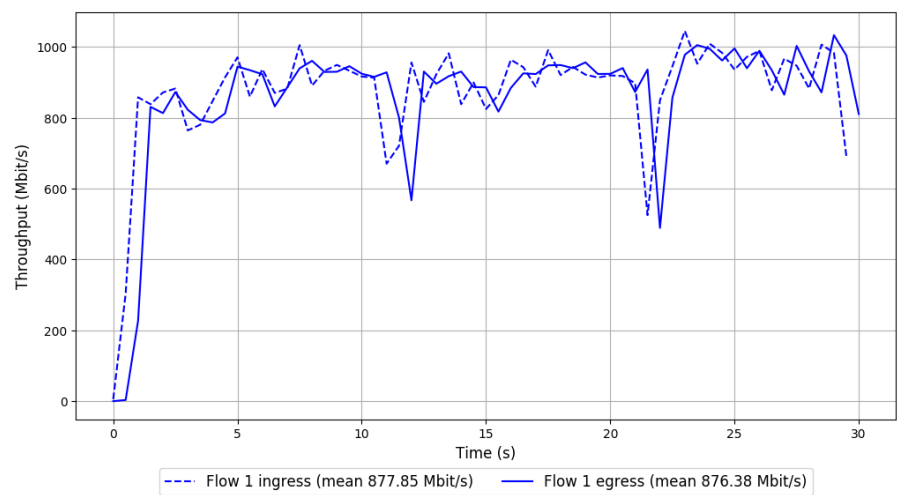
-- Flow 1:

Average throughput: 876.38 Mbit/s

95th percentile per-packet one-way delay: 109.311 ms

Loss rate: 0.16%

Run 1: Report of FillP-Sheep — Data Link

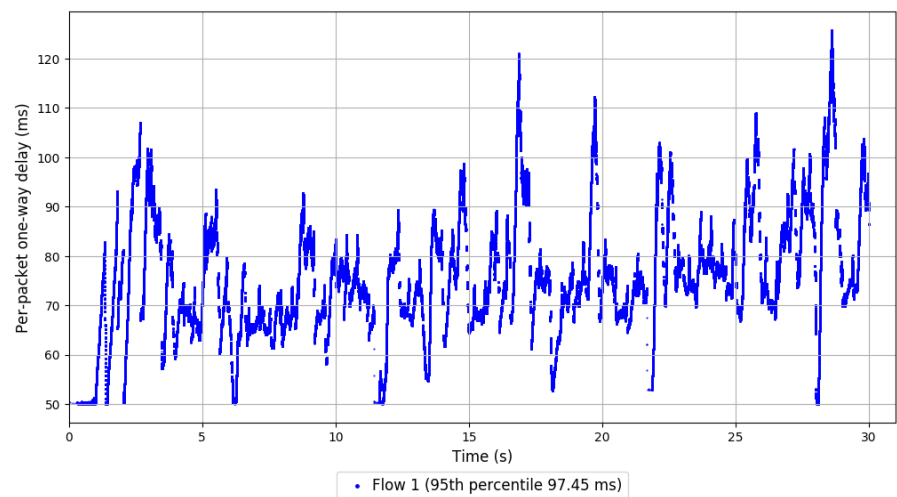
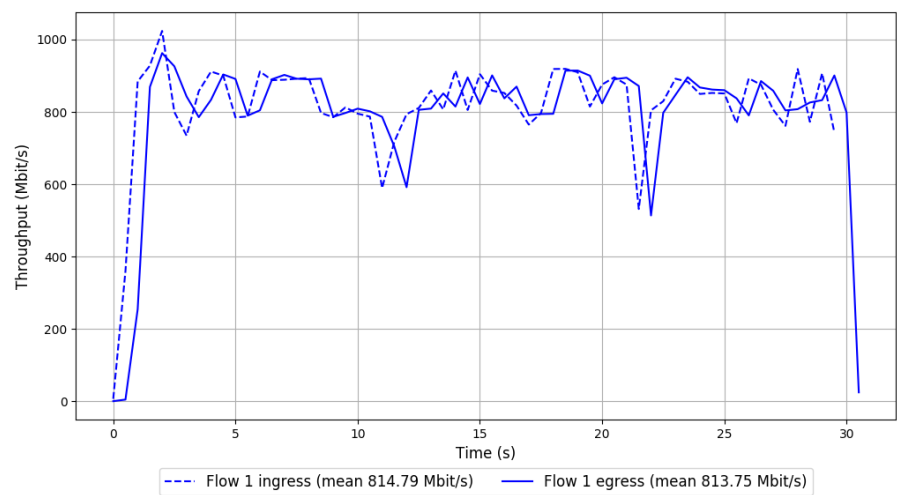


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-26 12:42:42
End at: 2018-07-26 12:43:12
Local clock offset: 0.116 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2018-07-26 17:05:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 813.75 Mbit/s
95th percentile per-packet one-way delay: 97.450 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 813.75 Mbit/s
95th percentile per-packet one-way delay: 97.450 ms
Loss rate: 0.12%

Run 2: Report of FillP-Sheep — Data Link

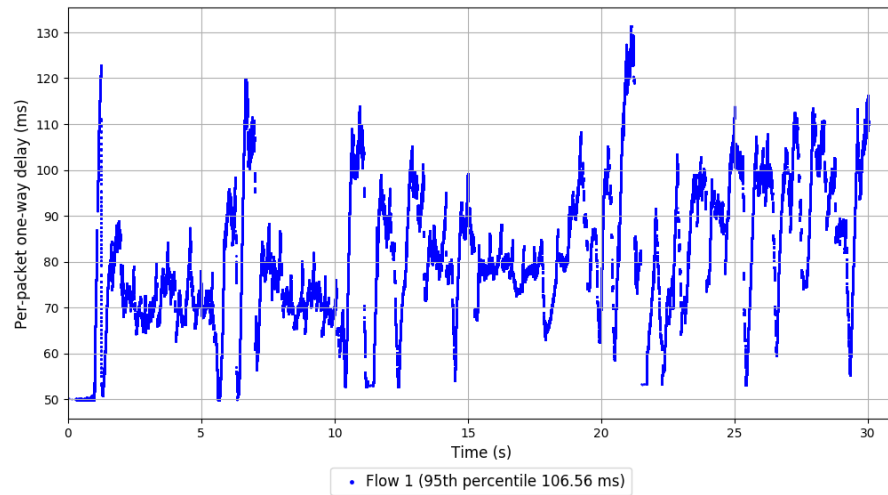
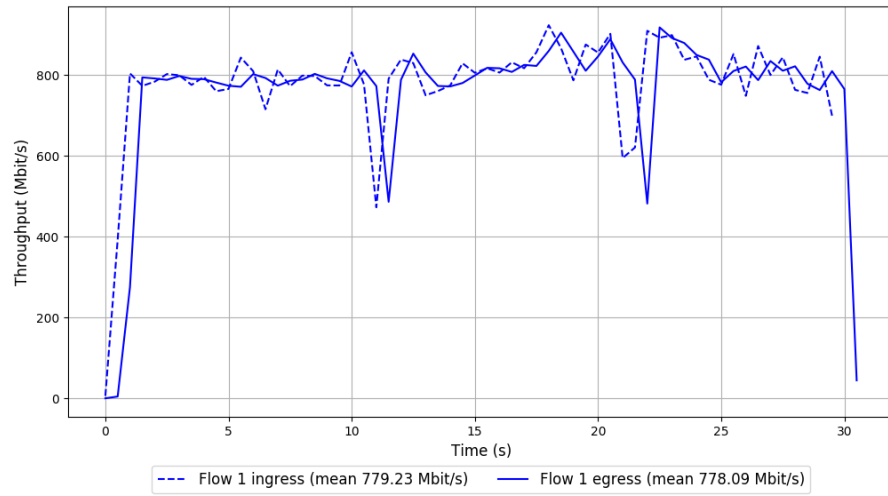


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-26 13:04:50
End at: 2018-07-26 13:05:20
Local clock offset: 0.068 ms
Remote clock offset: -0.327 ms

Below is generated by plot.py at 2018-07-26 17:05:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 778.09 Mbit/s
95th percentile per-packet one-way delay: 106.562 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 778.09 Mbit/s
95th percentile per-packet one-way delay: 106.562 ms
Loss rate: 0.13%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-26 13:26:50

End at: 2018-07-26 13:27:20

Local clock offset: -0.294 ms

Remote clock offset: 1.439 ms

Below is generated by plot.py at 2018-07-26 17:05:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 777.19 Mbit/s

95th percentile per-packet one-way delay: 117.259 ms

Loss rate: 0.11%

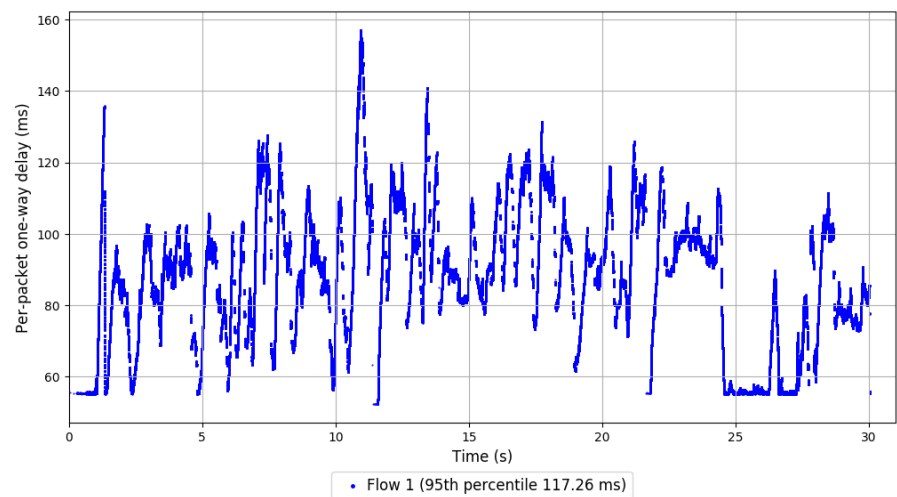
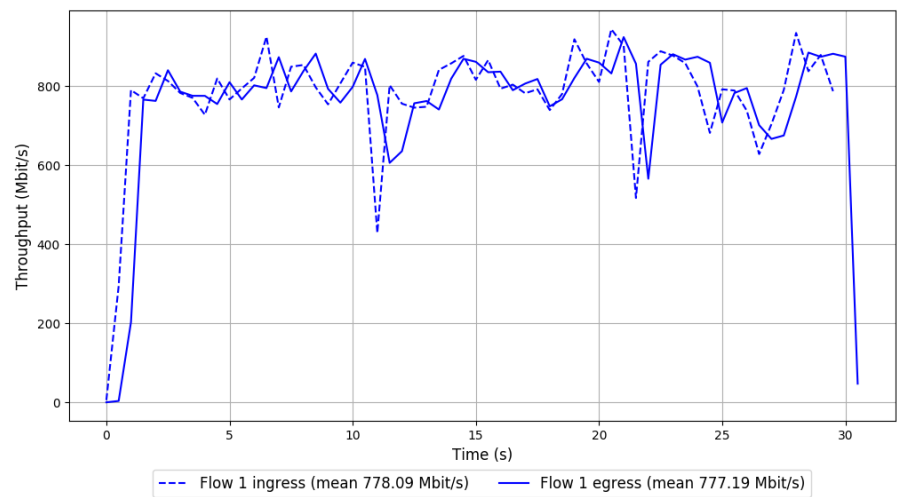
-- Flow 1:

Average throughput: 777.19 Mbit/s

95th percentile per-packet one-way delay: 117.259 ms

Loss rate: 0.11%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-26 13:48:53

End at: 2018-07-26 13:49:23

Local clock offset: 0.075 ms

Remote clock offset: 1.167 ms

Below is generated by plot.py at 2018-07-26 17:08:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 844.27 Mbit/s

95th percentile per-packet one-way delay: 100.976 ms

Loss rate: 0.28%

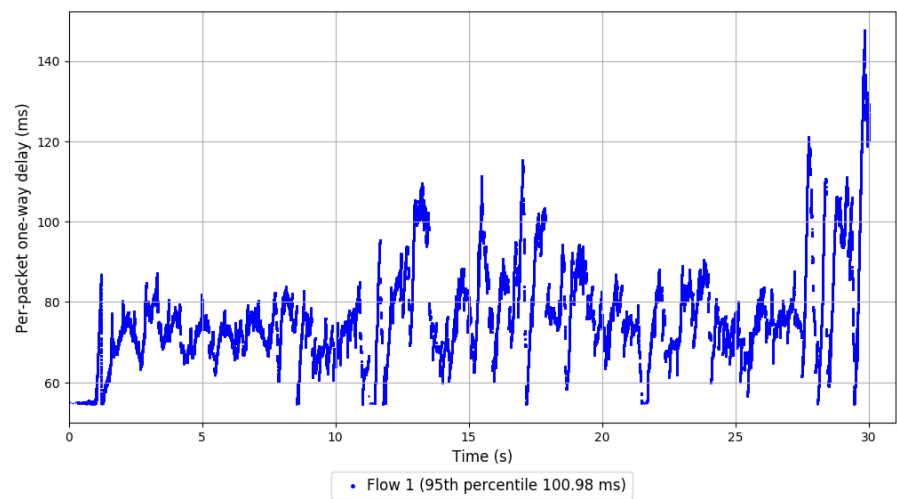
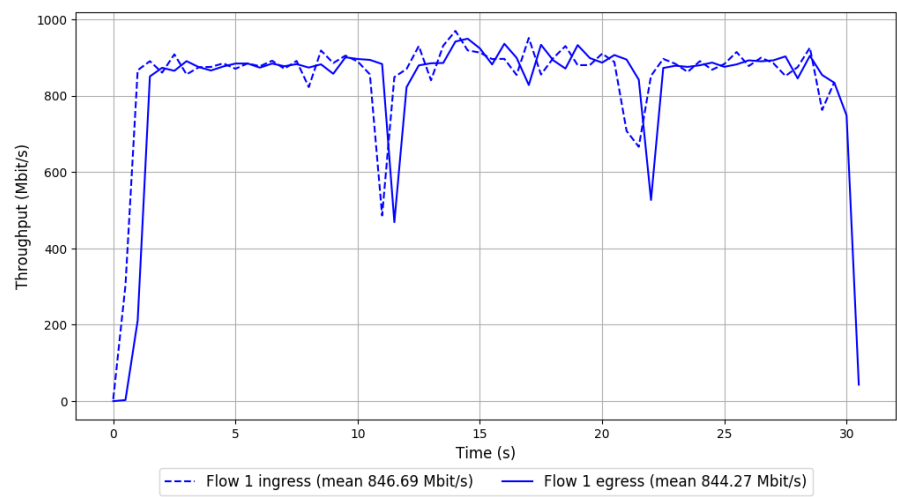
-- Flow 1:

Average throughput: 844.27 Mbit/s

95th percentile per-packet one-way delay: 100.976 ms

Loss rate: 0.28%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-26 14:10:27

End at: 2018-07-26 14:10:57

Local clock offset: -0.044 ms

Remote clock offset: 1.216 ms

Below is generated by plot.py at 2018-07-26 17:11:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 862.04 Mbit/s

95th percentile per-packet one-way delay: 109.004 ms

Loss rate: 0.39%

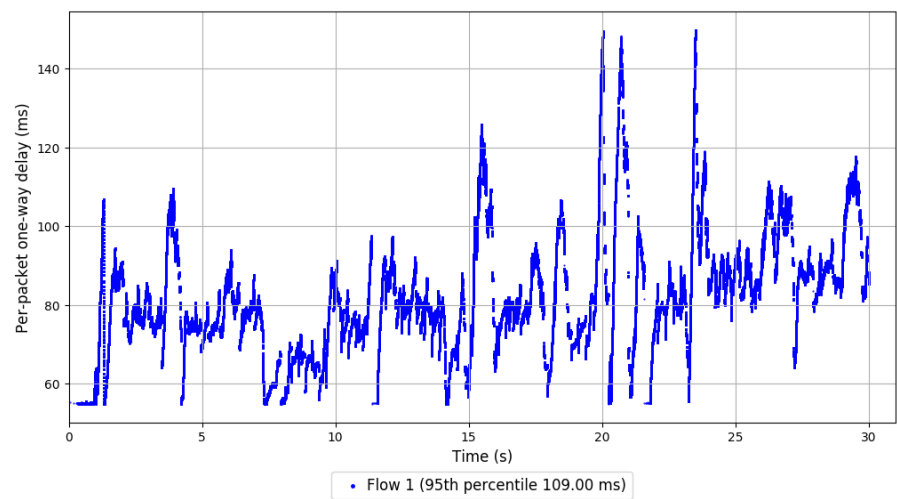
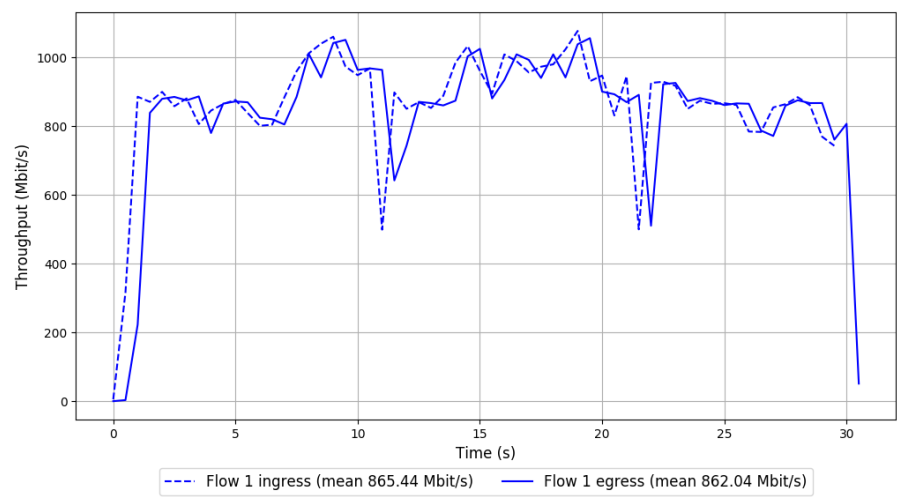
-- Flow 1:

Average throughput: 862.04 Mbit/s

95th percentile per-packet one-way delay: 109.004 ms

Loss rate: 0.39%

Run 6: Report of FillP-Sheep — Data Link

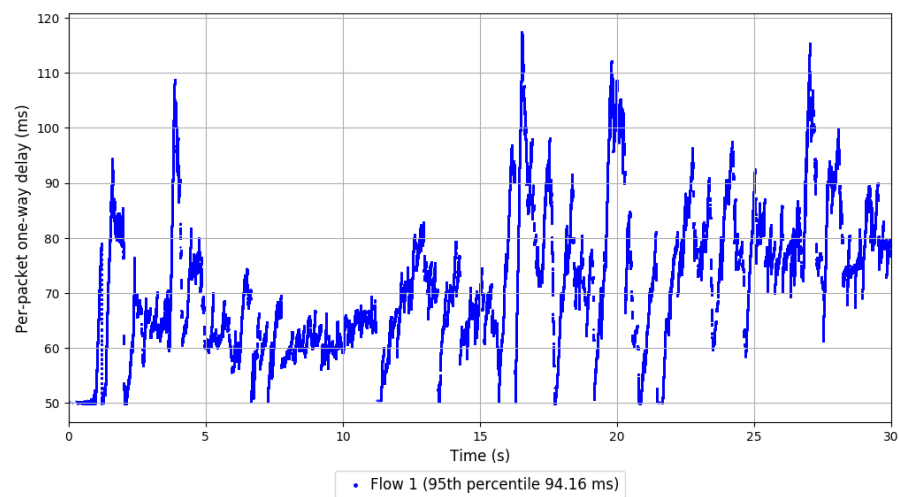
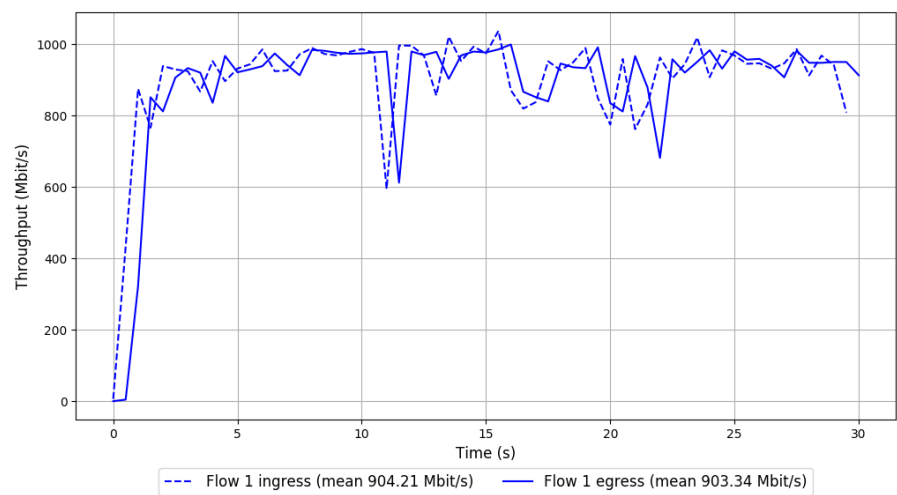


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-26 14:32:14
End at: 2018-07-26 14:32:44
Local clock offset: 0.185 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-07-26 17:25:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 903.34 Mbit/s
95th percentile per-packet one-way delay: 94.161 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 903.34 Mbit/s
95th percentile per-packet one-way delay: 94.161 ms
Loss rate: 0.09%

Run 7: Report of FillP-Sheep — Data Link

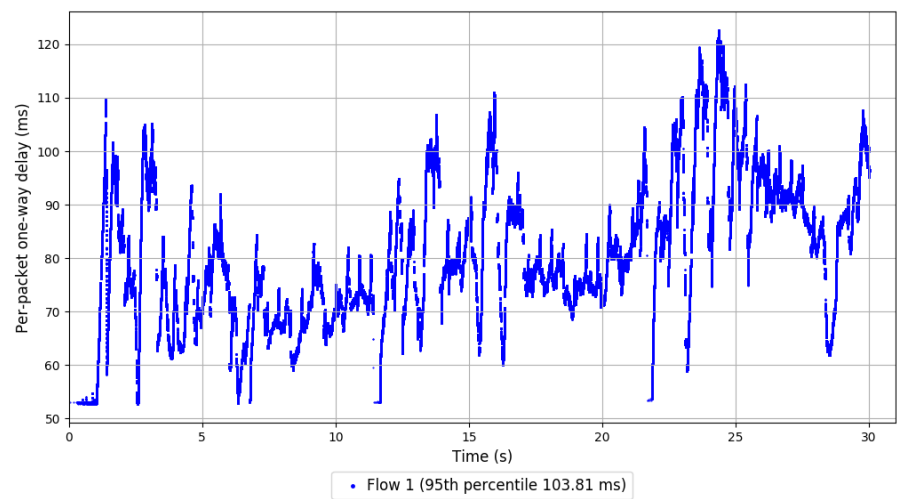
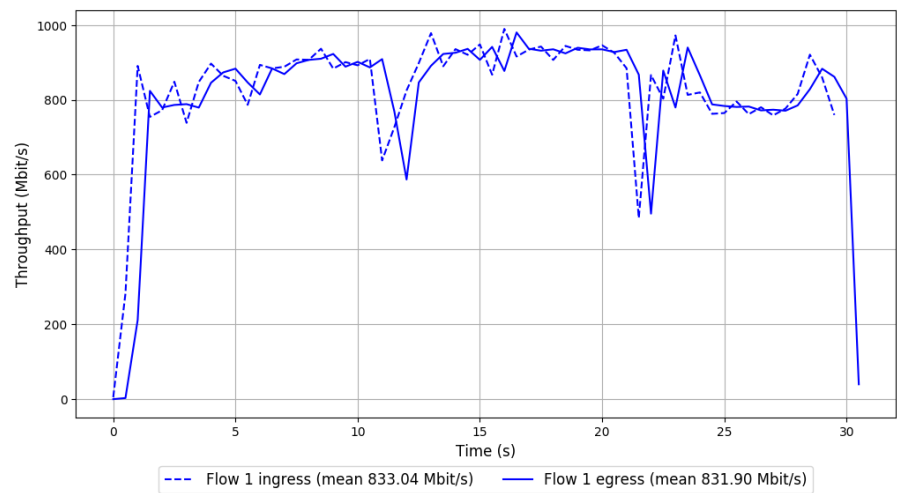


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-26 14:54:26
End at: 2018-07-26 14:54:56
Local clock offset: 0.192 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-26 17:25:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 831.90 Mbit/s
95th percentile per-packet one-way delay: 103.814 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 831.90 Mbit/s
95th percentile per-packet one-way delay: 103.814 ms
Loss rate: 0.14%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-26 15:16:27

End at: 2018-07-26 15:16:57

Local clock offset: 0.06 ms

Remote clock offset: 1.242 ms

Below is generated by plot.py at 2018-07-26 17:25:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 834.74 Mbit/s

95th percentile per-packet one-way delay: 99.369 ms

Loss rate: 0.10%

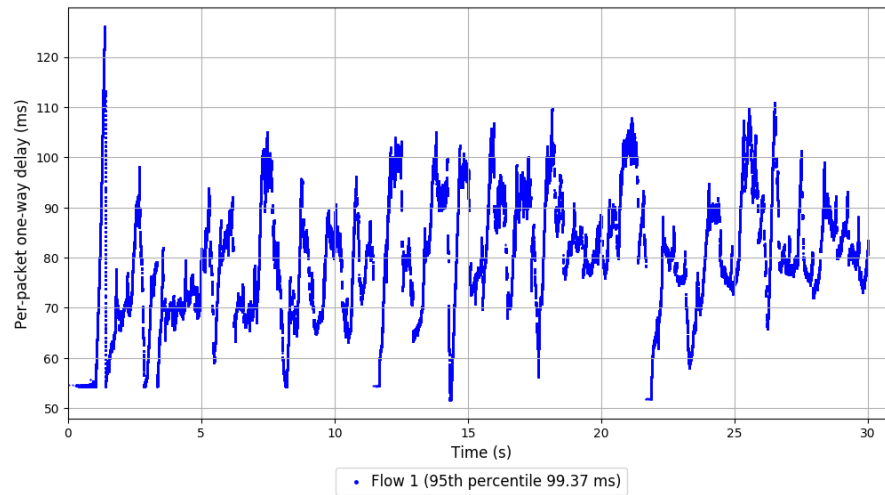
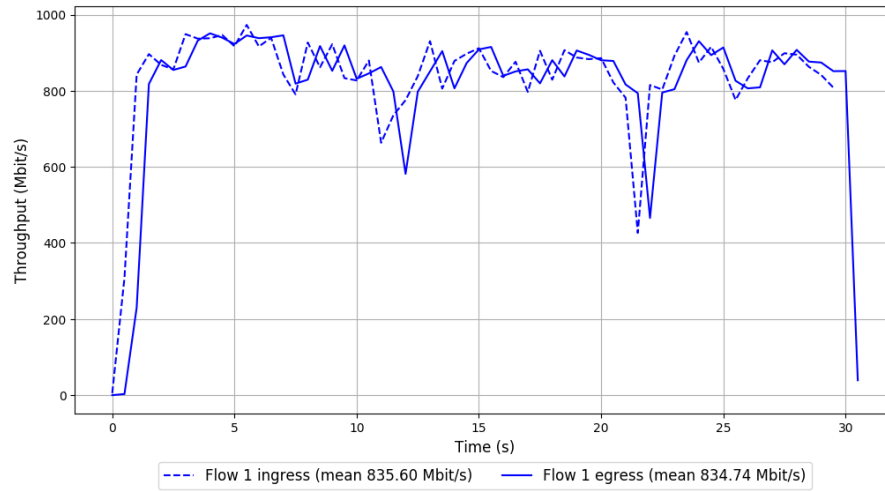
-- Flow 1:

Average throughput: 834.74 Mbit/s

95th percentile per-packet one-way delay: 99.369 ms

Loss rate: 0.10%

Run 9: Report of FillP-Sheep — Data Link

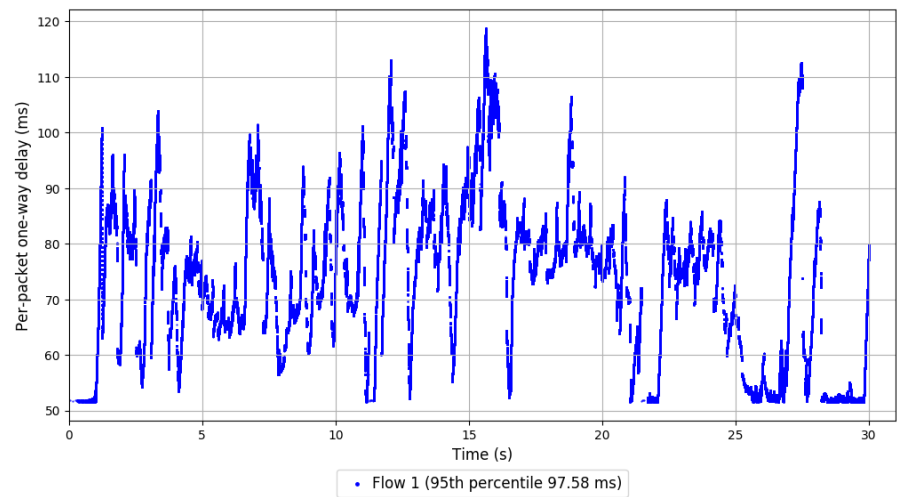
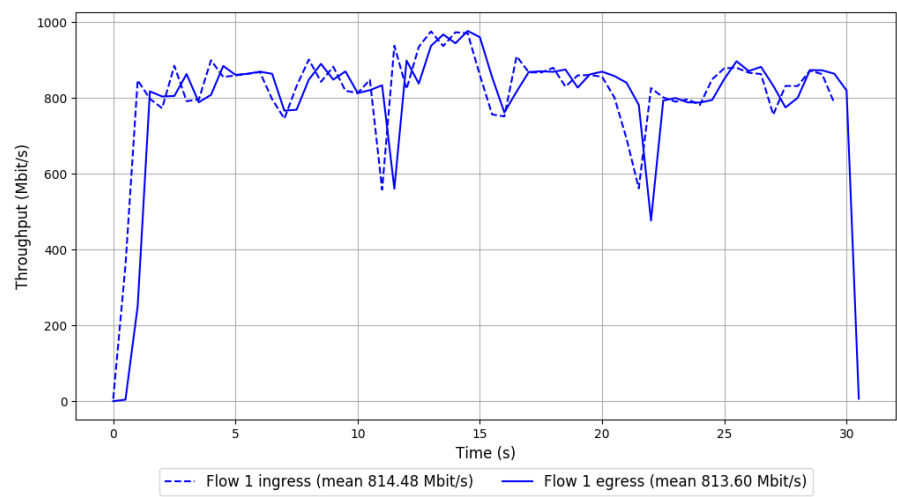


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-26 15:37:58
End at: 2018-07-26 15:38:28
Local clock offset: 0.278 ms
Remote clock offset: -1.415 ms

Below is generated by plot.py at 2018-07-26 17:25:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 813.60 Mbit/s
95th percentile per-packet one-way delay: 97.578 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 813.60 Mbit/s
95th percentile per-packet one-way delay: 97.578 ms
Loss rate: 0.11%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-07-26 12:35:07

End at: 2018-07-26 12:35:37

Local clock offset: -0.012 ms

Remote clock offset: 1.479 ms

Below is generated by plot.py at 2018-07-26 17:25:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.62 Mbit/s

95th percentile per-packet one-way delay: 54.758 ms

Loss rate: 0.00%

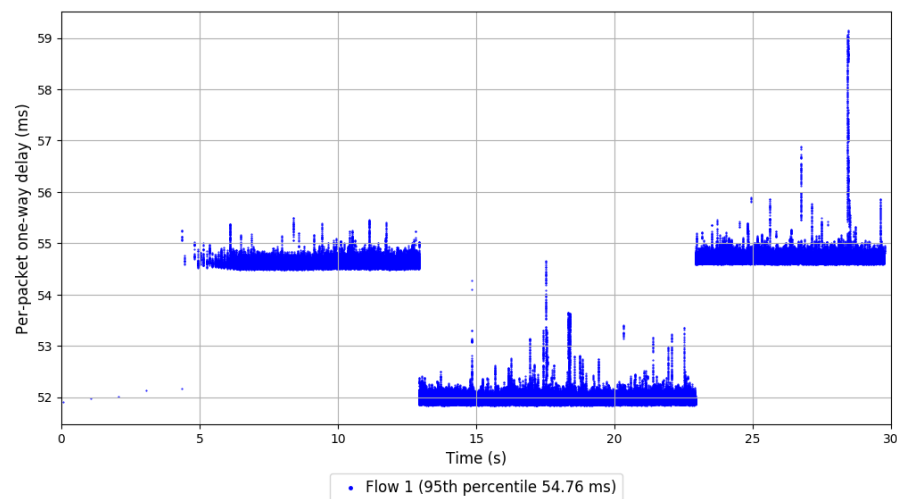
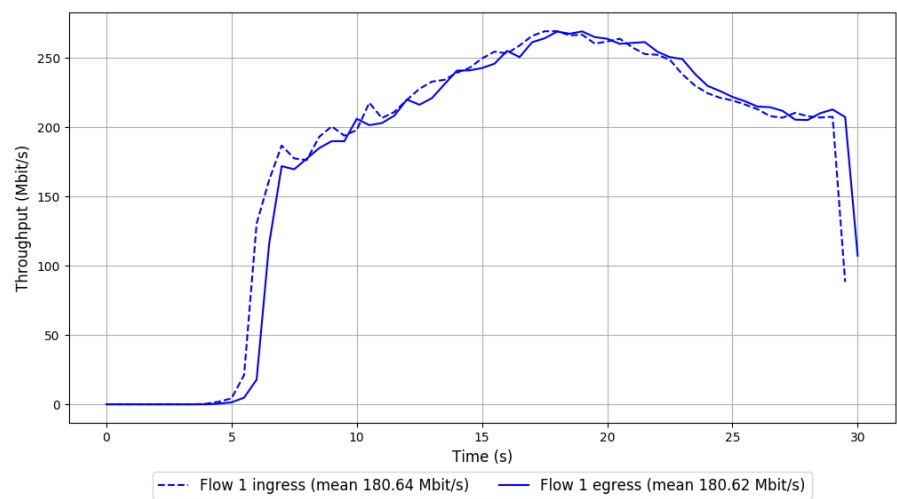
-- Flow 1:

Average throughput: 180.62 Mbit/s

95th percentile per-packet one-way delay: 54.758 ms

Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

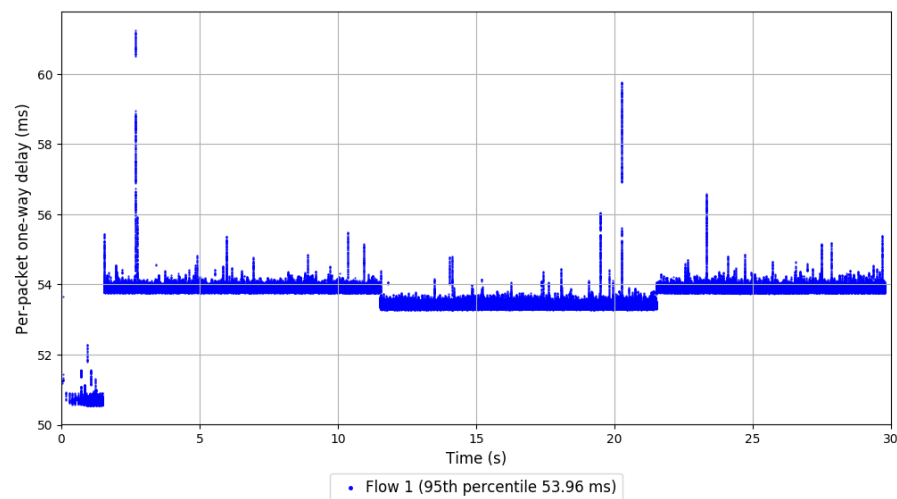
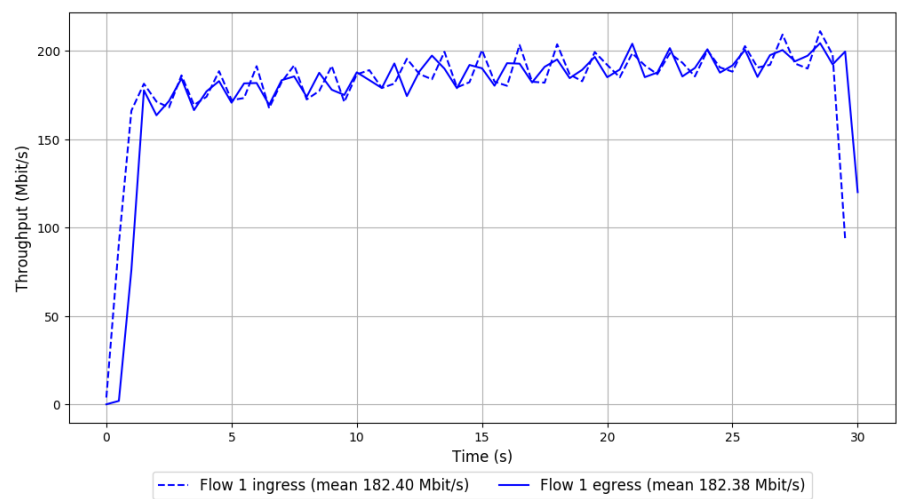


Run 2: Statistics of Indigo

Start at: 2018-07-26 12:56:58
End at: 2018-07-26 12:57:28
Local clock offset: -0.205 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-26 17:25:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 182.38 Mbit/s
95th percentile per-packet one-way delay: 53.961 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 182.38 Mbit/s
95th percentile per-packet one-way delay: 53.961 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-26 13:19:14

End at: 2018-07-26 13:19:44

Local clock offset: -0.12 ms

Remote clock offset: 0.153 ms

Below is generated by plot.py at 2018-07-26 17:25:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.04 Mbit/s

95th percentile per-packet one-way delay: 53.844 ms

Loss rate: 0.00%

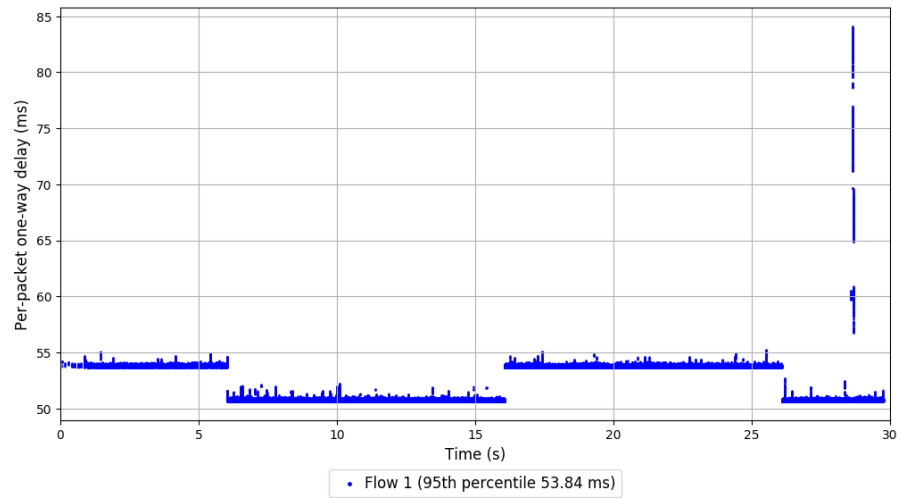
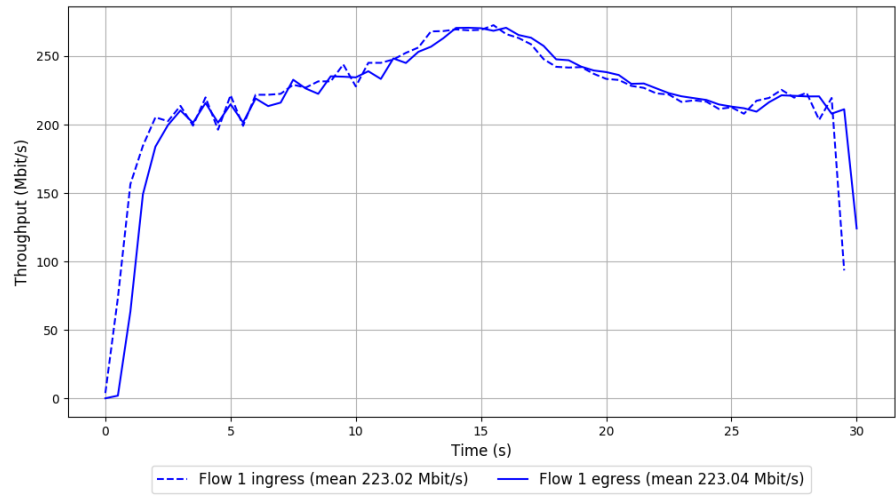
-- Flow 1:

Average throughput: 223.04 Mbit/s

95th percentile per-packet one-way delay: 53.844 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-26 13:41:16

End at: 2018-07-26 13:41:46

Local clock offset: 0.15 ms

Remote clock offset: -0.27 ms

Below is generated by plot.py at 2018-07-26 17:25:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.05 Mbit/s

95th percentile per-packet one-way delay: 53.254 ms

Loss rate: 0.00%

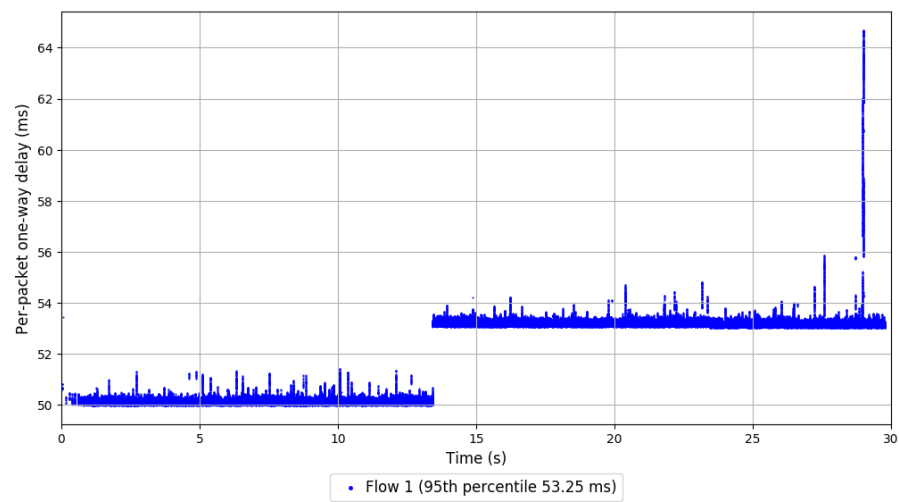
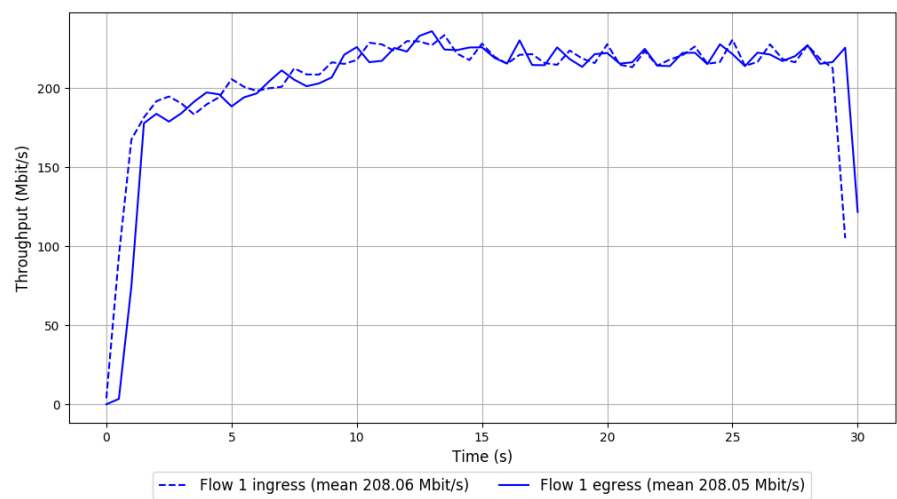
-- Flow 1:

Average throughput: 208.05 Mbit/s

95th percentile per-packet one-way delay: 53.254 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-26 14:02:43

End at: 2018-07-26 14:03:13

Local clock offset: 0.063 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-07-26 17:25:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.14 Mbit/s

95th percentile per-packet one-way delay: 53.734 ms

Loss rate: 0.00%

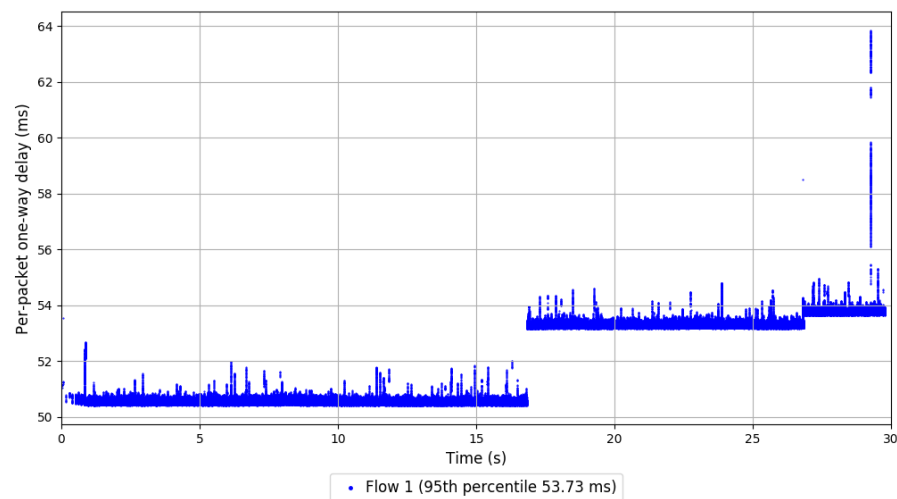
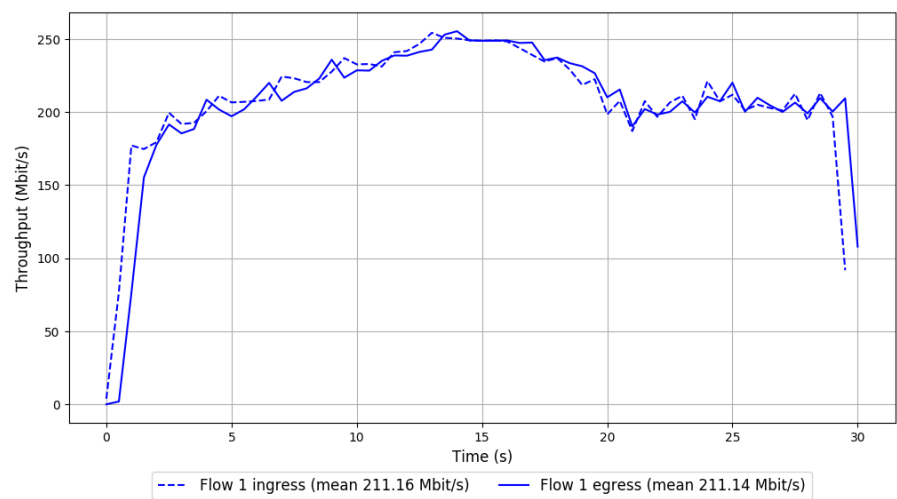
-- Flow 1:

Average throughput: 211.14 Mbit/s

95th percentile per-packet one-way delay: 53.734 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-26 14:24:28

End at: 2018-07-26 14:24:58

Local clock offset: 0.122 ms

Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-26 17:25:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.46 Mbit/s

95th percentile per-packet one-way delay: 53.204 ms

Loss rate: 0.00%

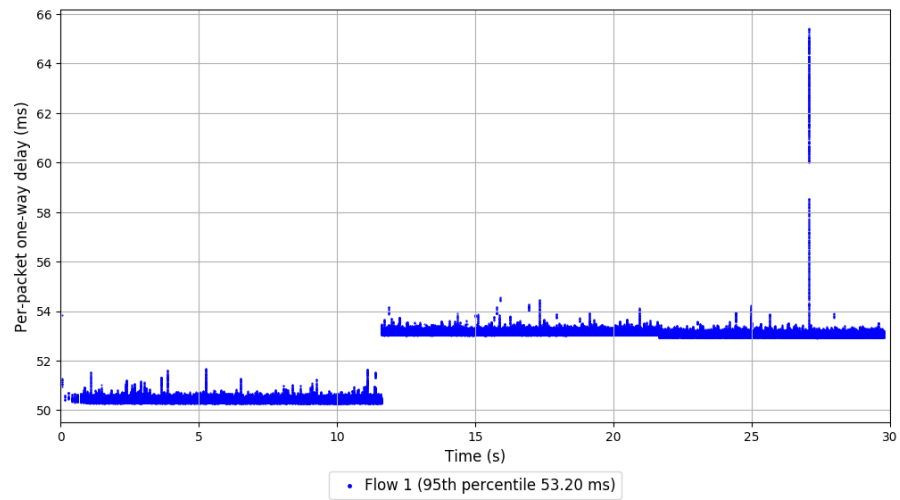
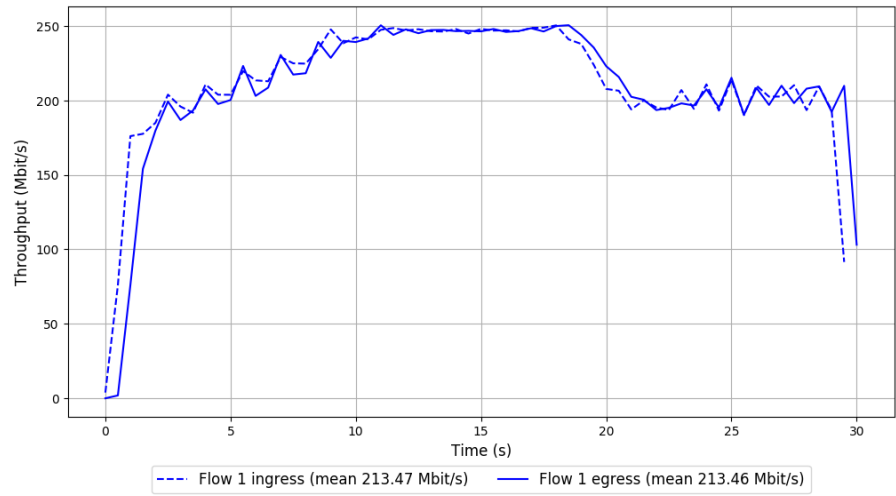
-- Flow 1:

Average throughput: 213.46 Mbit/s

95th percentile per-packet one-way delay: 53.204 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

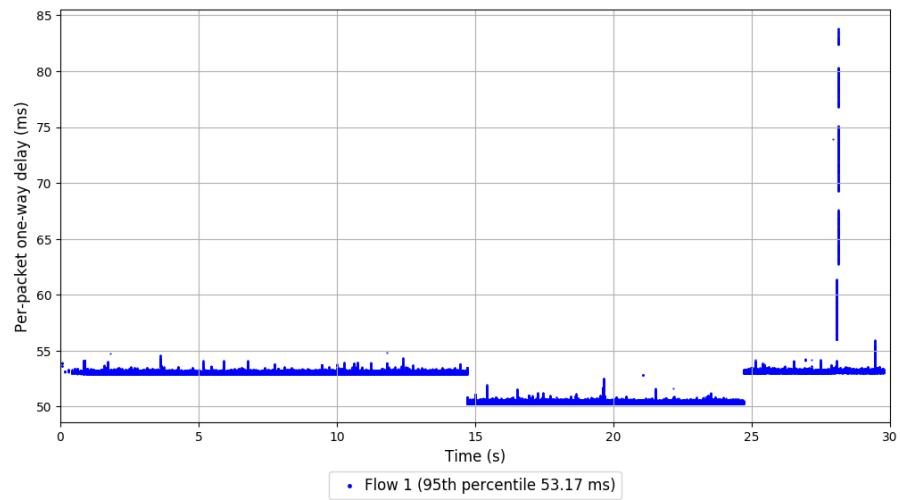
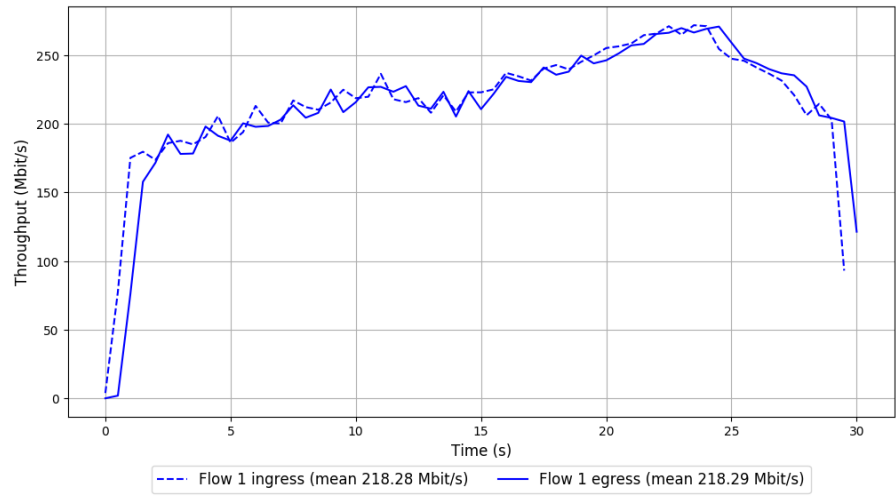


Run 7: Statistics of Indigo

Start at: 2018-07-26 14:46:25
End at: 2018-07-26 14:46:55
Local clock offset: -0.179 ms
Remote clock offset: -0.301 ms

Below is generated by plot.py at 2018-07-26 17:25:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 218.29 Mbit/s
95th percentile per-packet one-way delay: 53.168 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 218.29 Mbit/s
95th percentile per-packet one-way delay: 53.168 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-26 15:08:39

End at: 2018-07-26 15:09:09

Local clock offset: -0.014 ms

Remote clock offset: -1.36 ms

Below is generated by plot.py at 2018-07-26 17:25:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.61 Mbit/s

95th percentile per-packet one-way delay: 51.964 ms

Loss rate: 0.00%

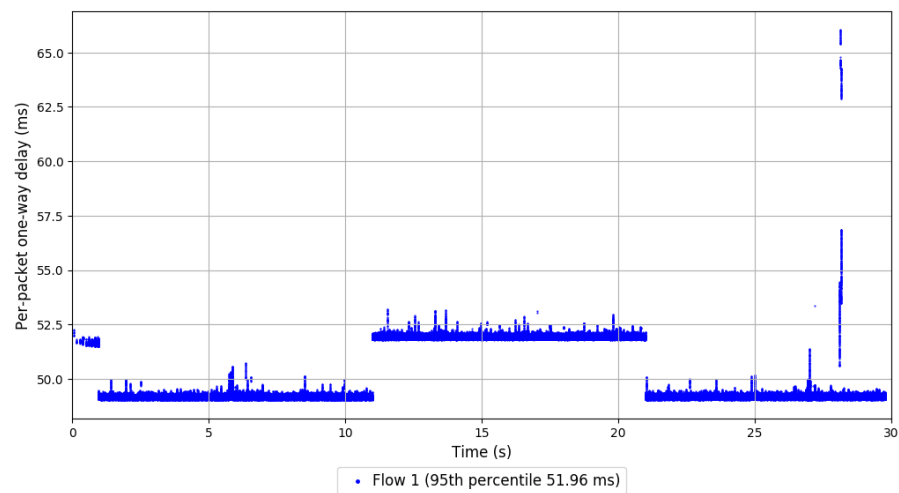
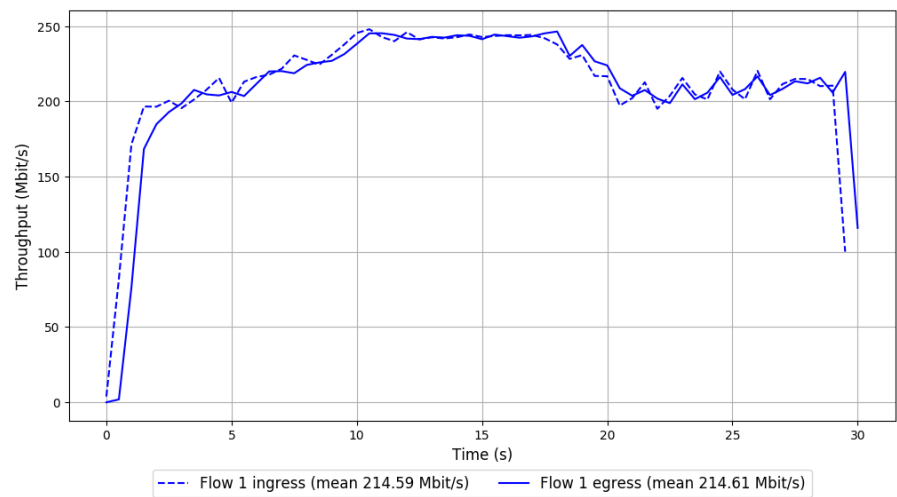
-- Flow 1:

Average throughput: 214.61 Mbit/s

95th percentile per-packet one-way delay: 51.964 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-26 15:30:16

End at: 2018-07-26 15:30:46

Local clock offset: 0.122 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-07-26 17:25:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.89 Mbit/s

95th percentile per-packet one-way delay: 53.199 ms

Loss rate: 0.00%

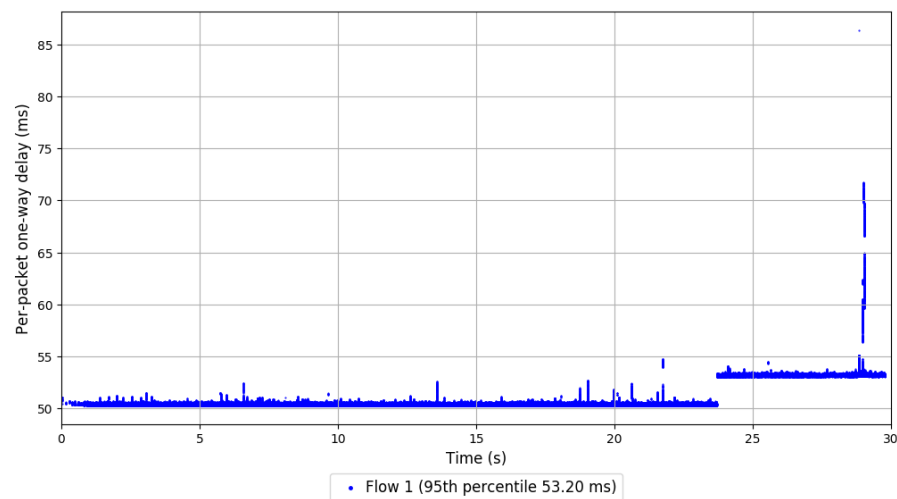
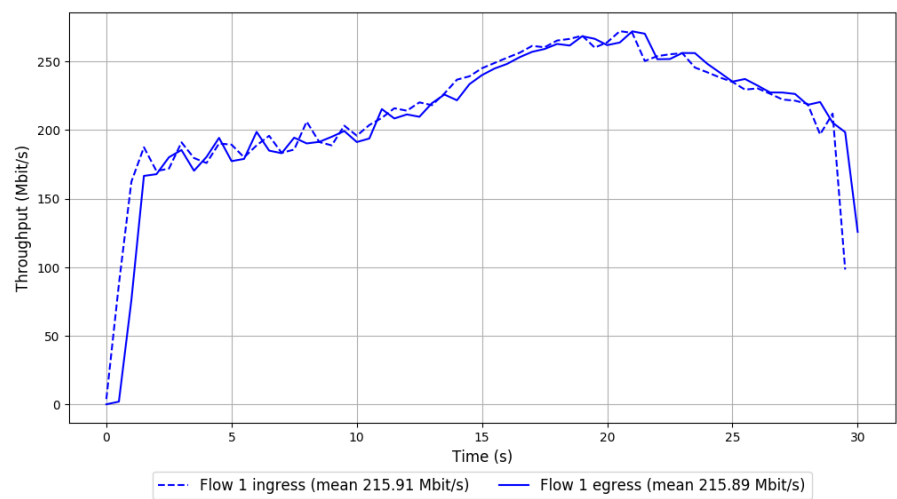
-- Flow 1:

Average throughput: 215.89 Mbit/s

95th percentile per-packet one-way delay: 53.199 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-26 15:52:05

End at: 2018-07-26 15:52:35

Local clock offset: -0.093 ms

Remote clock offset: -0.152 ms

Below is generated by plot.py at 2018-07-26 17:25:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.44 Mbit/s

95th percentile per-packet one-way delay: 53.690 ms

Loss rate: 0.00%

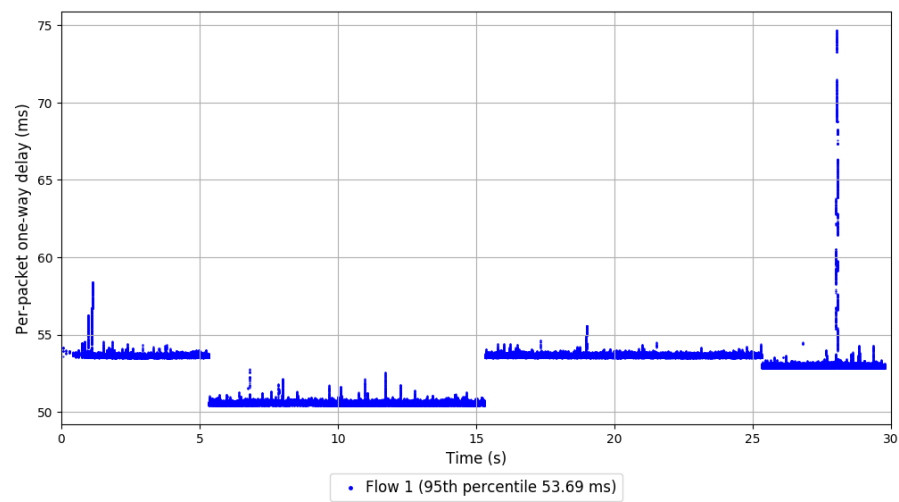
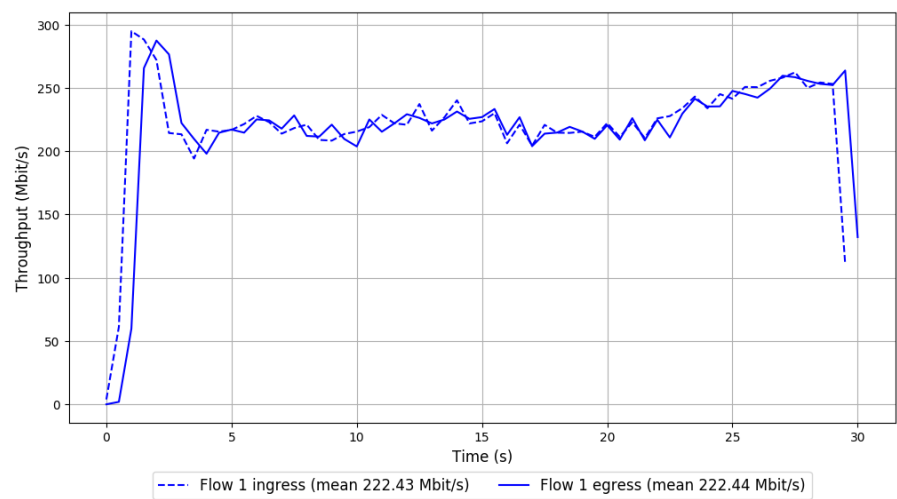
-- Flow 1:

Average throughput: 222.44 Mbit/s

95th percentile per-packet one-way delay: 53.690 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

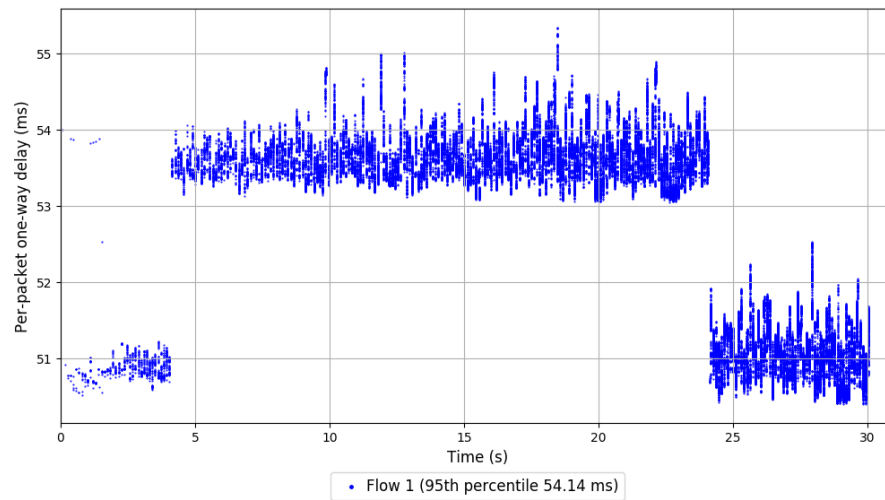
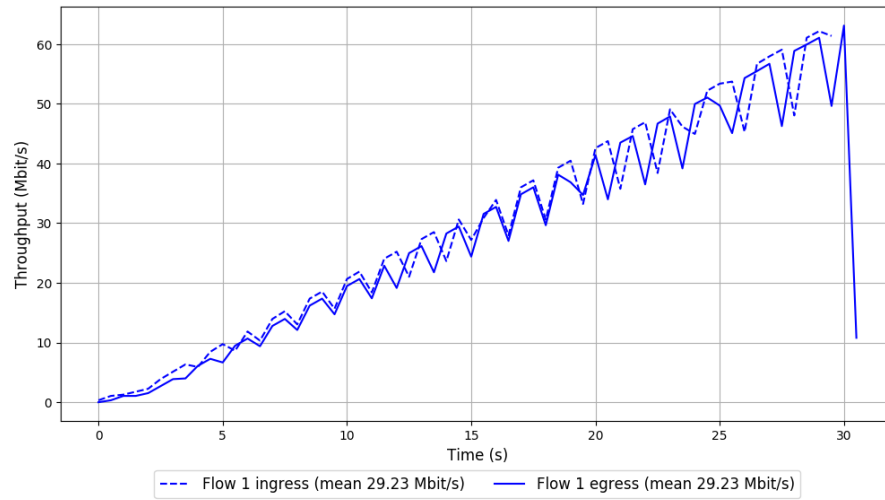


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-26 12:22:36
End at: 2018-07-26 12:23:06
Local clock offset: 0.104 ms
Remote clock offset: 0.166 ms

# Below is generated by plot.py at 2018-07-26 17:25:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.23 Mbit/s
95th percentile per-packet one-way delay: 54.141 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 29.23 Mbit/s
95th percentile per-packet one-way delay: 54.141 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-07-26 12:44:19

End at: 2018-07-26 12:44:49

Local clock offset: -0.083 ms

Remote clock offset: 0.068 ms

Below is generated by plot.py at 2018-07-26 17:25:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.28 Mbit/s

95th percentile per-packet one-way delay: 54.300 ms

Loss rate: 0.00%

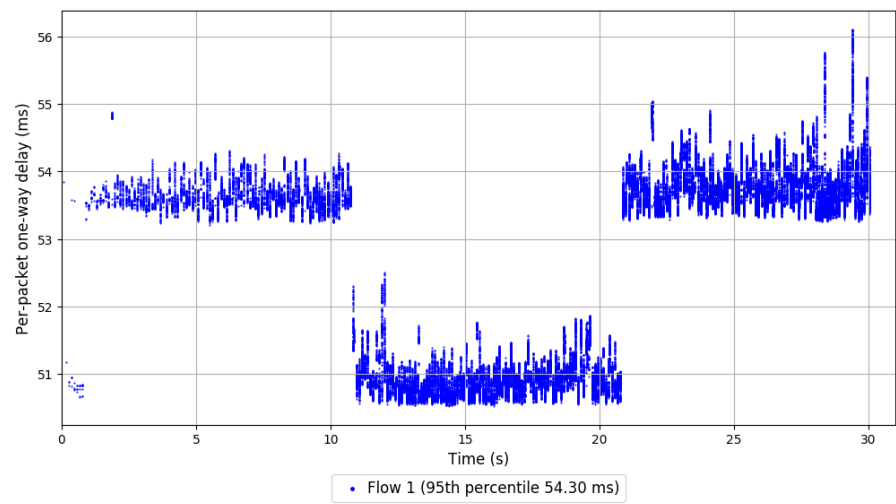
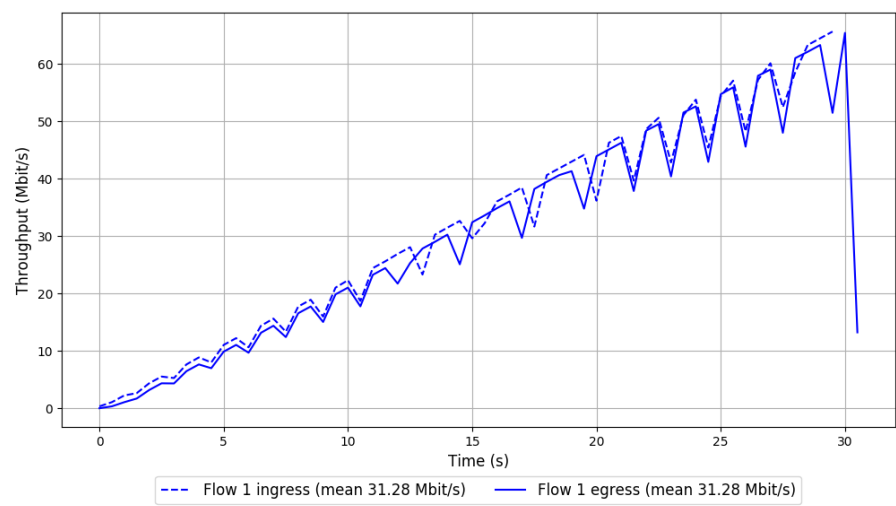
-- Flow 1:

Average throughput: 31.28 Mbit/s

95th percentile per-packet one-way delay: 54.300 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-26 13:06:25

End at: 2018-07-26 13:06:55

Local clock offset: -0.056 ms

Remote clock offset: 0.19 ms

Below is generated by plot.py at 2018-07-26 17:25:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.93 Mbit/s

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

Loss rate: 0.00%

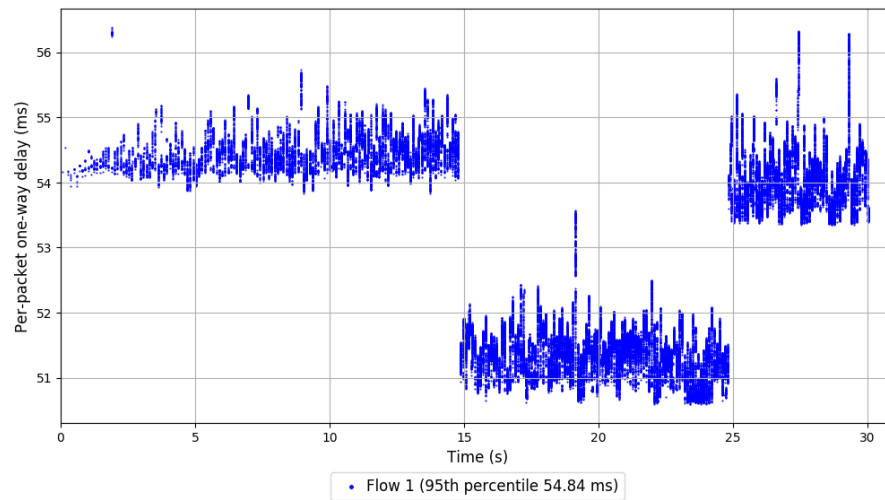
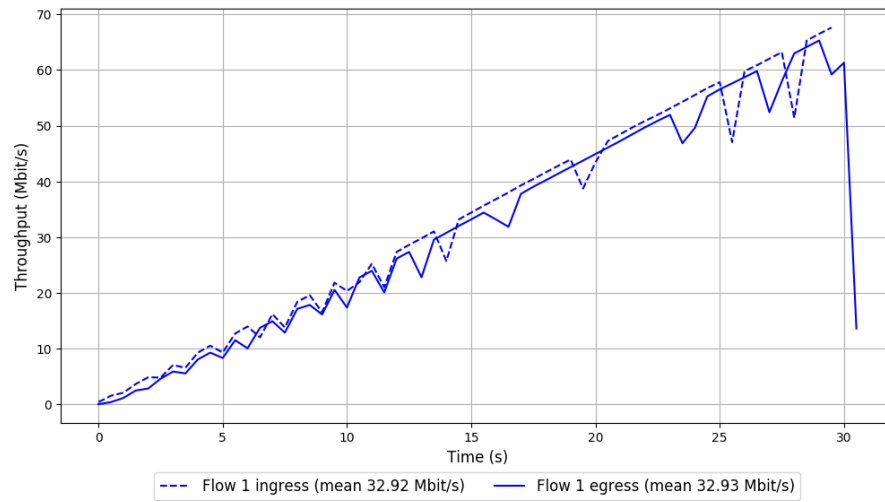
-- Flow 1:

Average throughput: 32.93 Mbit/s

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

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

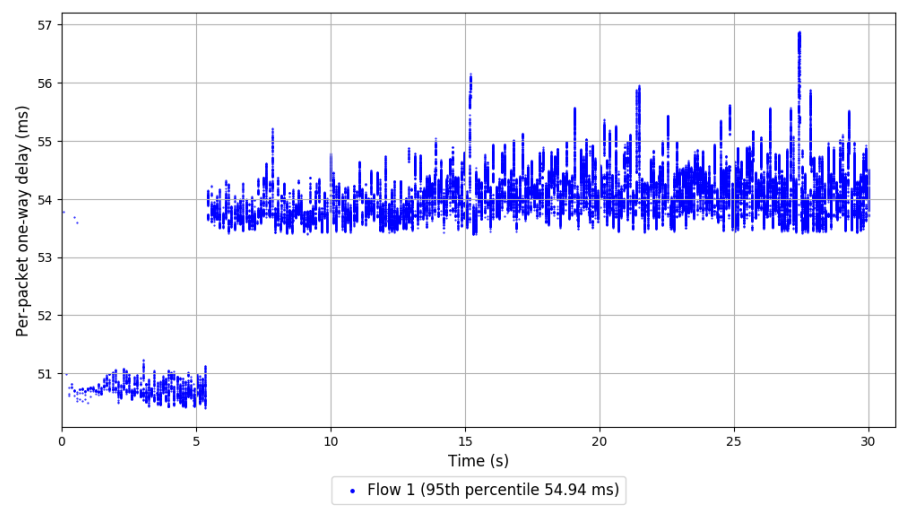
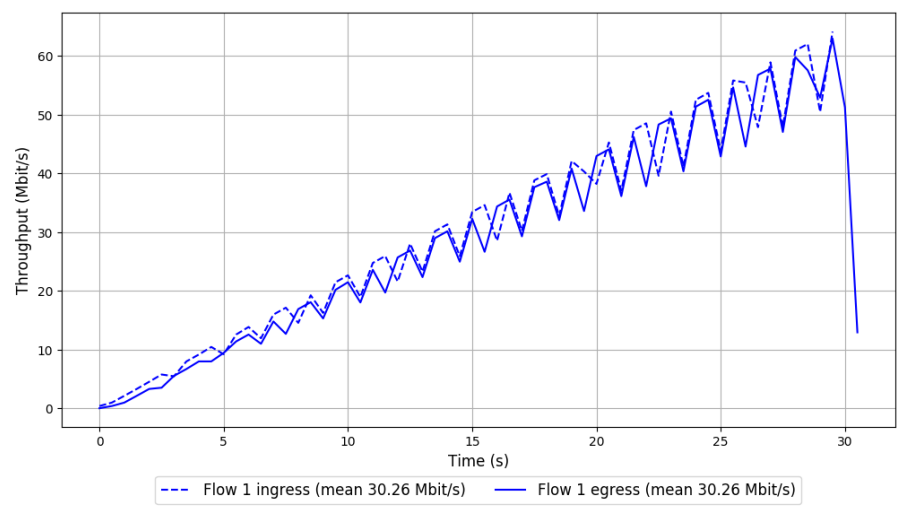


Run 4: Statistics of LEDBAT

Start at: 2018-07-26 13:28:25
End at: 2018-07-26 13:28:55
Local clock offset: -0.056 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-26 17:25:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 30.26 Mbit/s
95th percentile per-packet one-way delay: 54.939 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 30.26 Mbit/s
95th percentile per-packet one-way delay: 54.939 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

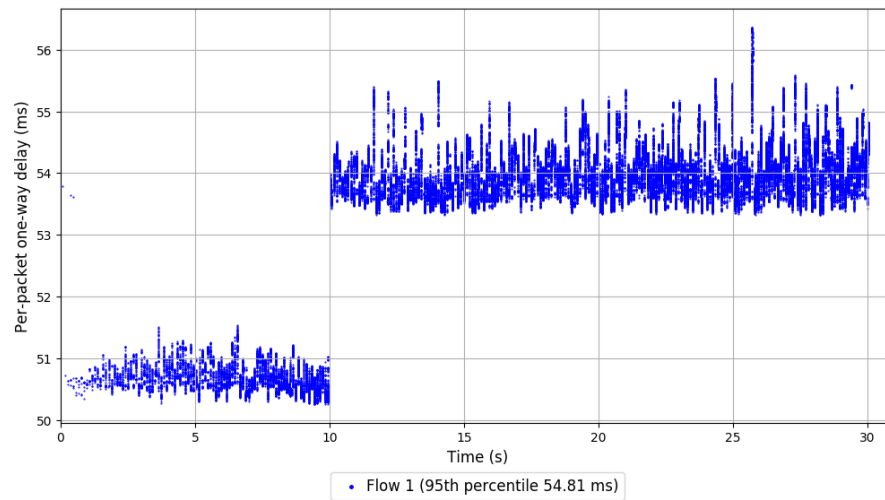
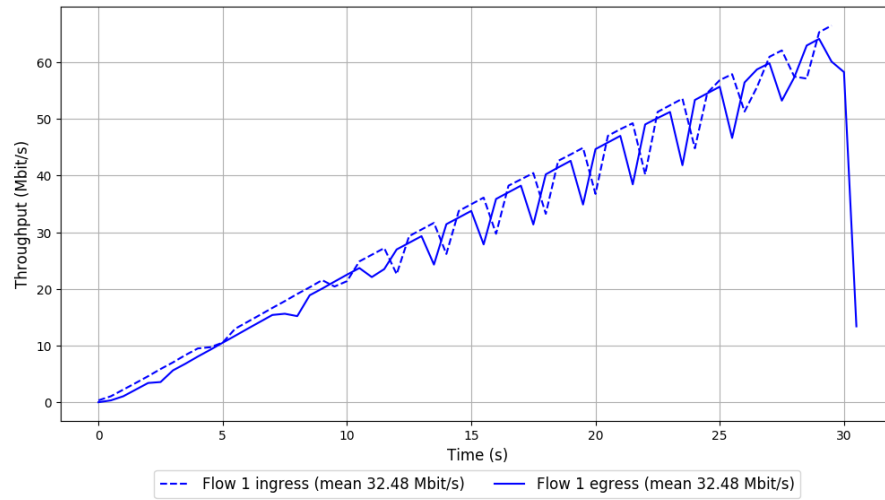


Run 5: Statistics of LEDBAT

Start at: 2018-07-26 13:50:30
End at: 2018-07-26 13:51:00
Local clock offset: -0.015 ms
Remote clock offset: -0.199 ms

Below is generated by plot.py at 2018-07-26 17:25:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.48 Mbit/s
95th percentile per-packet one-way delay: 54.808 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.48 Mbit/s
95th percentile per-packet one-way delay: 54.808 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-26 14:12:06

End at: 2018-07-26 14:12:36

Local clock offset: 0.034 ms

Remote clock offset: 0.102 ms

Below is generated by plot.py at 2018-07-26 17:25:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.40 Mbit/s

95th percentile per-packet one-way delay: 53.845 ms

Loss rate: 0.00%

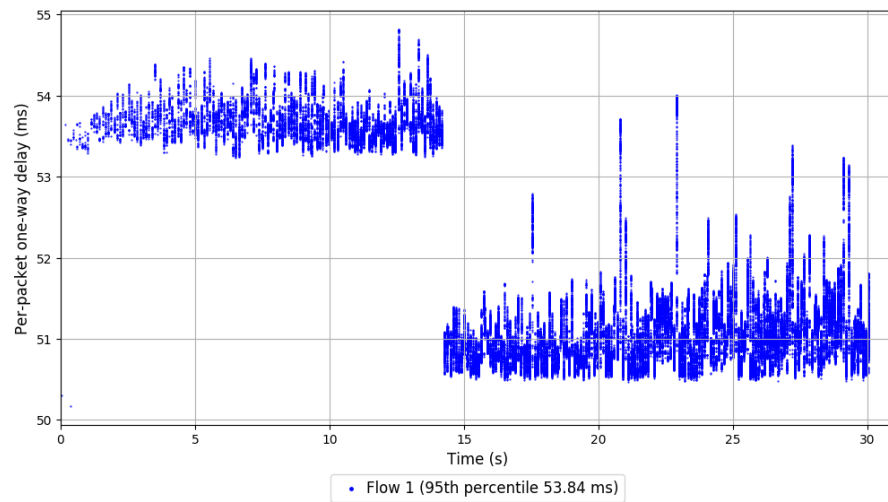
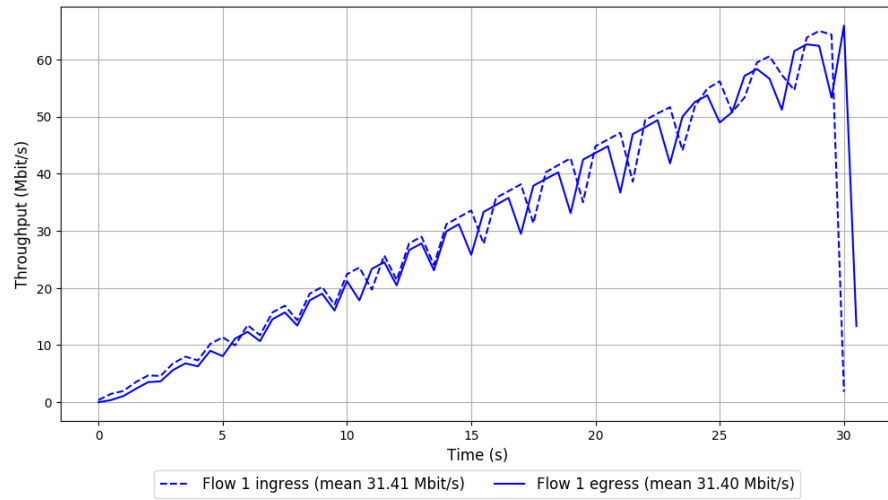
-- Flow 1:

Average throughput: 31.40 Mbit/s

95th percentile per-packet one-way delay: 53.845 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-26 14:33:54

End at: 2018-07-26 14:34:24

Local clock offset: 0.017 ms

Remote clock offset: 0.091 ms

Below is generated by plot.py at 2018-07-26 17:25:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.84 Mbit/s

95th percentile per-packet one-way delay: 52.139 ms

Loss rate: 0.00%

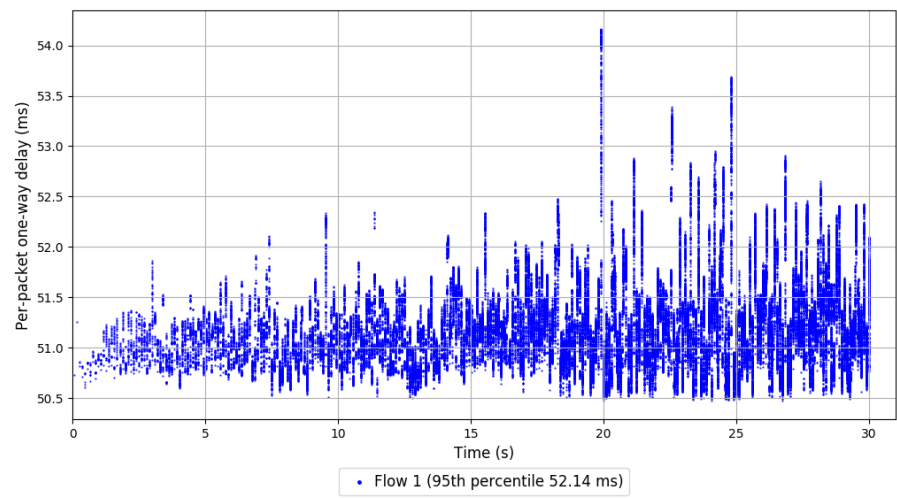
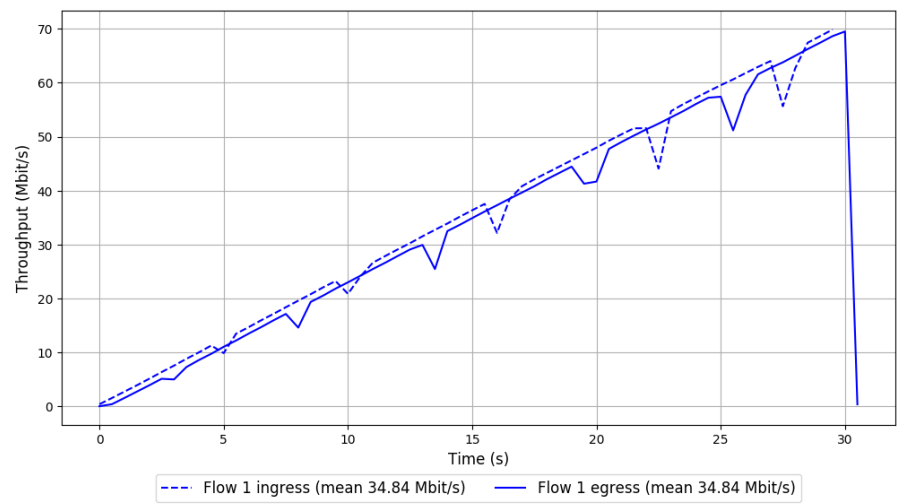
-- Flow 1:

Average throughput: 34.84 Mbit/s

95th percentile per-packet one-way delay: 52.139 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

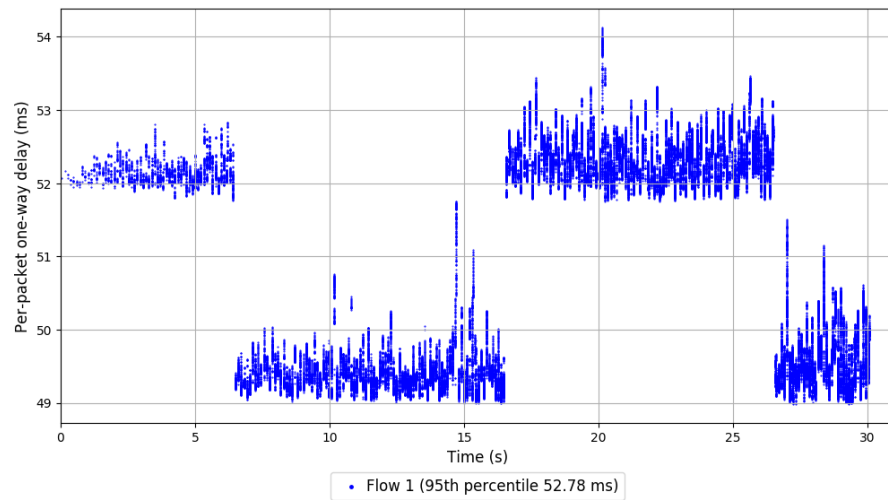
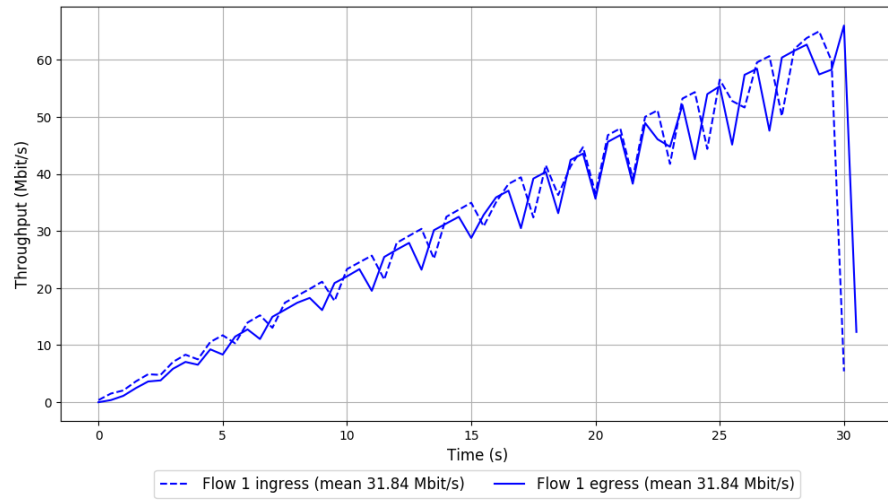


Run 8: Statistics of LEDBAT

Start at: 2018-07-26 14:56:04
End at: 2018-07-26 14:56:34
Local clock offset: 0.125 ms
Remote clock offset: -1.282 ms

Below is generated by plot.py at 2018-07-26 17:25:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 31.84 Mbit/s
95th percentile per-packet one-way delay: 52.781 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 31.84 Mbit/s
95th percentile per-packet one-way delay: 52.781 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-26 15:18:04

End at: 2018-07-26 15:18:34

Local clock offset: 0.048 ms

Remote clock offset: 1.189 ms

Below is generated by plot.py at 2018-07-26 17:25:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.85 Mbit/s

95th percentile per-packet one-way delay: 54.659 ms

Loss rate: 0.00%

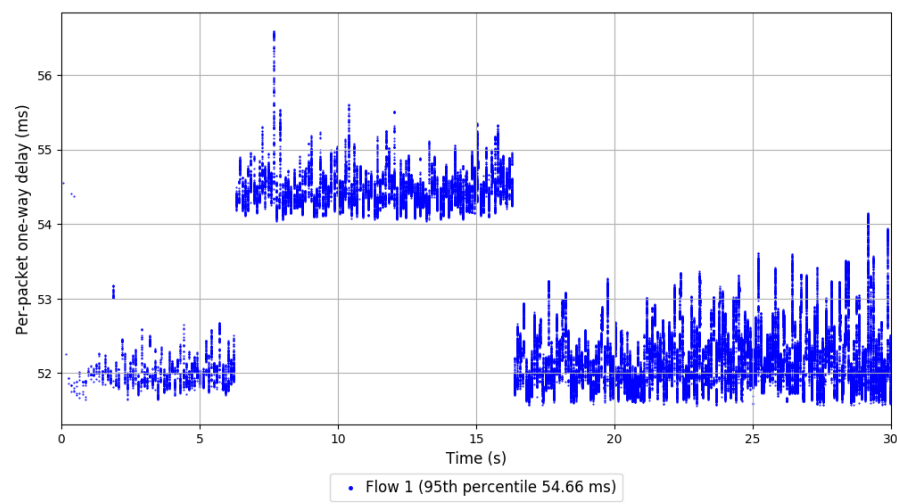
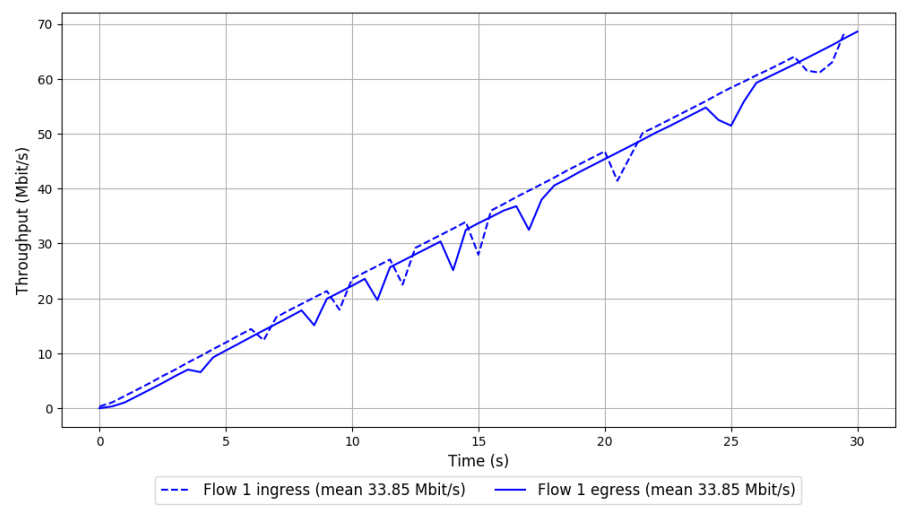
-- Flow 1:

Average throughput: 33.85 Mbit/s

95th percentile per-packet one-way delay: 54.659 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-26 15:39:34

End at: 2018-07-26 15:40:04

Local clock offset: 0.023 ms

Remote clock offset: -1.235 ms

Below is generated by plot.py at 2018-07-26 17:25:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.55 Mbit/s

95th percentile per-packet one-way delay: 50.720 ms

Loss rate: 0.00%

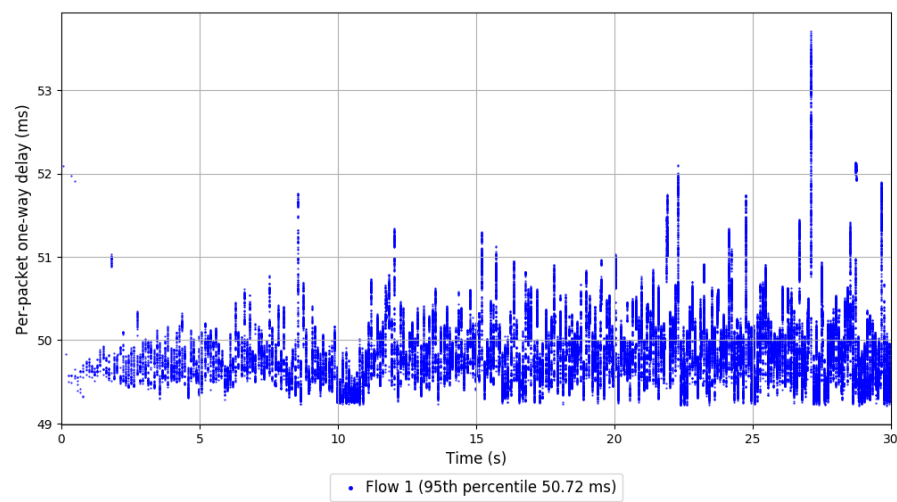
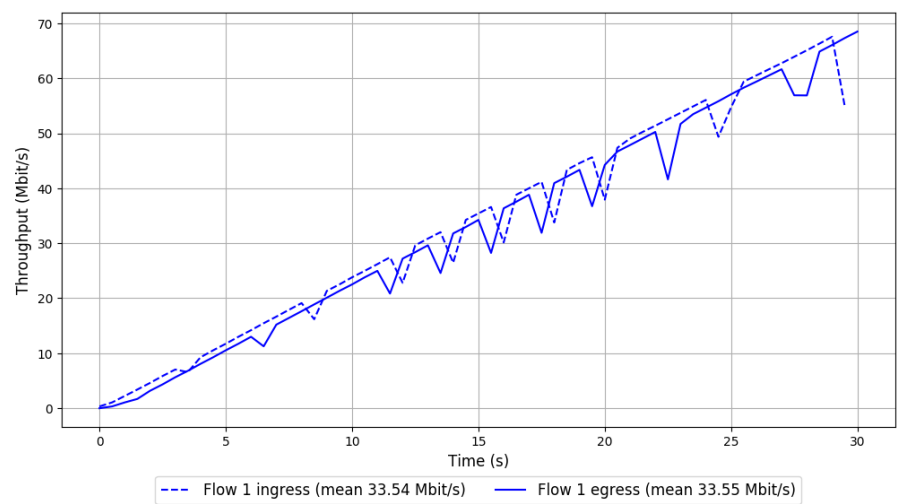
-- Flow 1:

Average throughput: 33.55 Mbit/s

95th percentile per-packet one-way delay: 50.720 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-07-26 12:24:50

End at: 2018-07-26 12:25:20

Local clock offset: -0.309 ms

Remote clock offset: 0.182 ms

Below is generated by plot.py at 2018-07-26 17:30:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 526.07 Mbit/s

95th percentile per-packet one-way delay: 187.718 ms

Loss rate: 0.62%

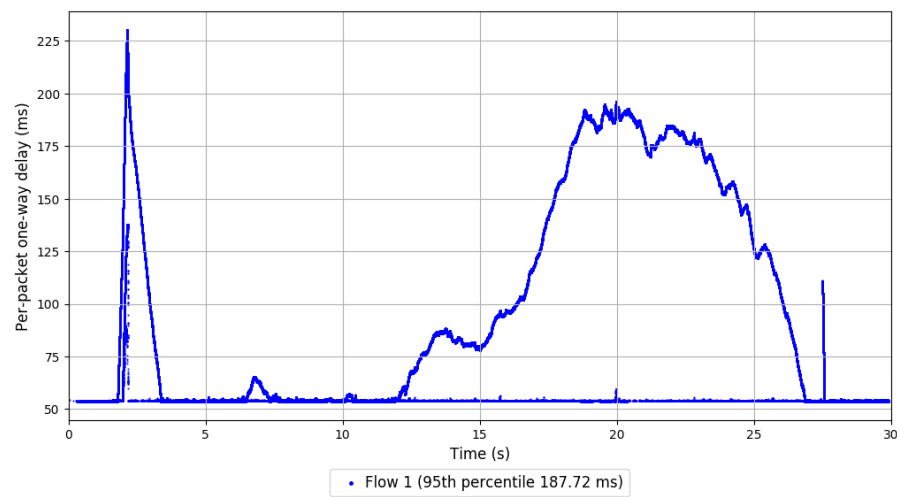
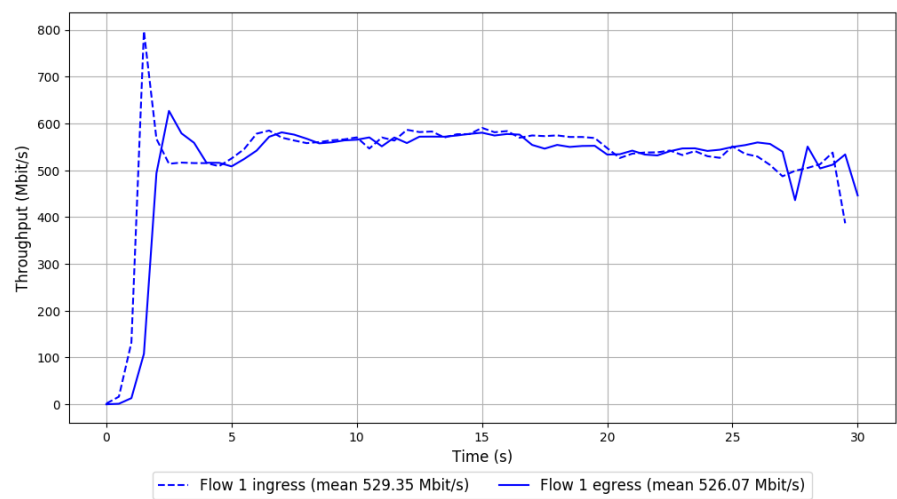
-- Flow 1:

Average throughput: 526.07 Mbit/s

95th percentile per-packet one-way delay: 187.718 ms

Loss rate: 0.62%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-26 12:46:33

End at: 2018-07-26 12:47:03

Local clock offset: -0.126 ms

Remote clock offset: -0.307 ms

Below is generated by plot.py at 2018-07-26 17:31:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 517.74 Mbit/s

95th percentile per-packet one-way delay: 129.905 ms

Loss rate: 0.32%

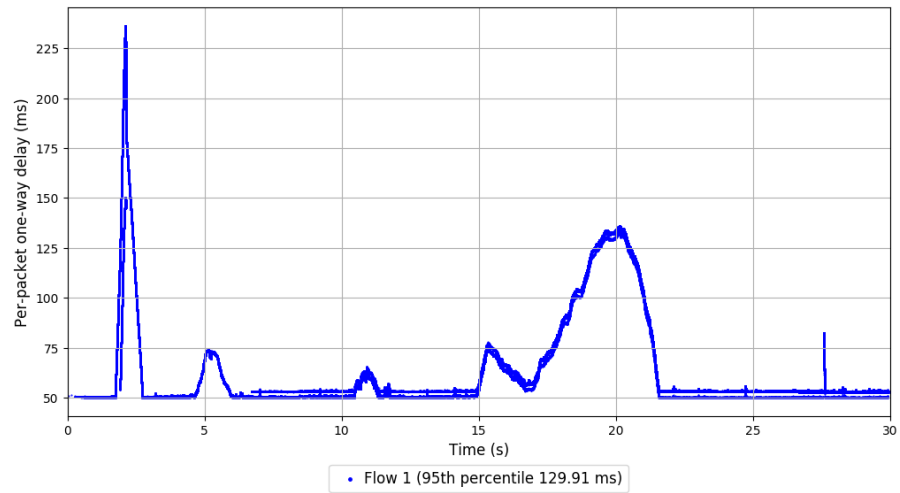
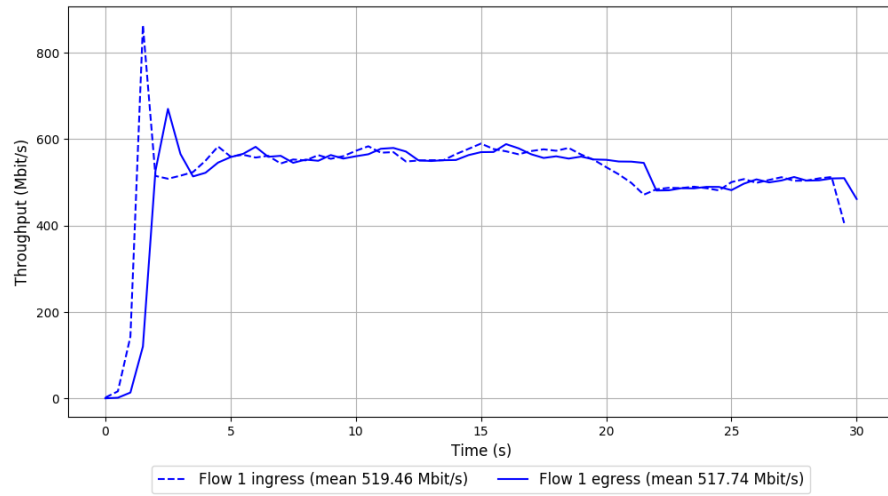
-- Flow 1:

Average throughput: 517.74 Mbit/s

95th percentile per-packet one-way delay: 129.905 ms

Loss rate: 0.32%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-26 13:08:40

End at: 2018-07-26 13:09:10

Local clock offset: -0.283 ms

Remote clock offset: 0.189 ms

Below is generated by plot.py at 2018-07-26 17:31:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 514.90 Mbit/s

95th percentile per-packet one-way delay: 185.342 ms

Loss rate: 0.78%

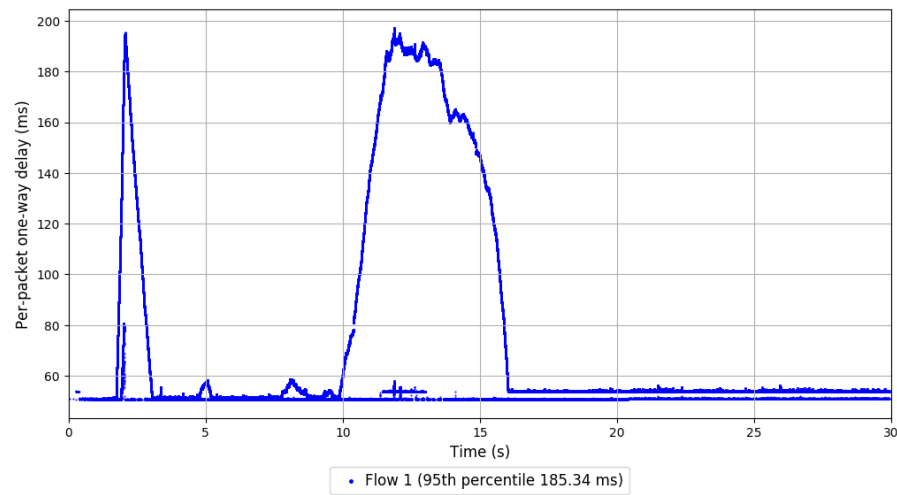
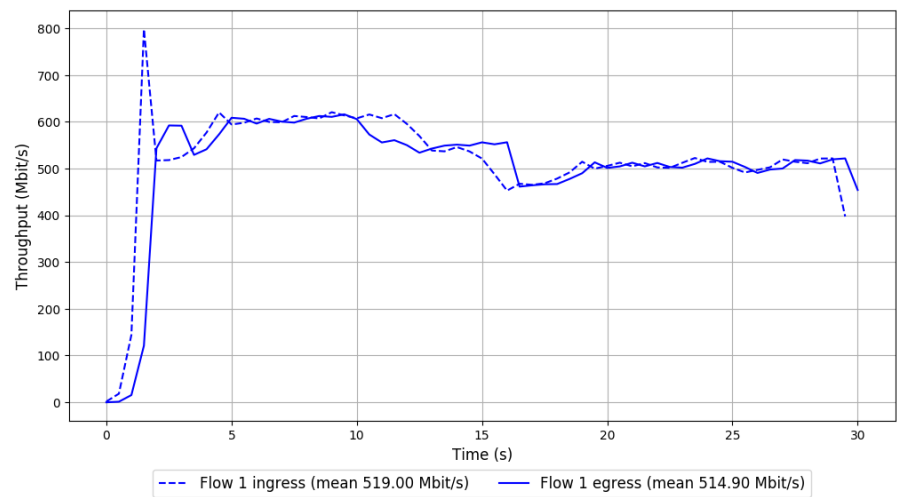
-- Flow 1:

Average throughput: 514.90 Mbit/s

95th percentile per-packet one-way delay: 185.342 ms

Loss rate: 0.78%

Run 3: Report of PCC-Allegro — Data Link

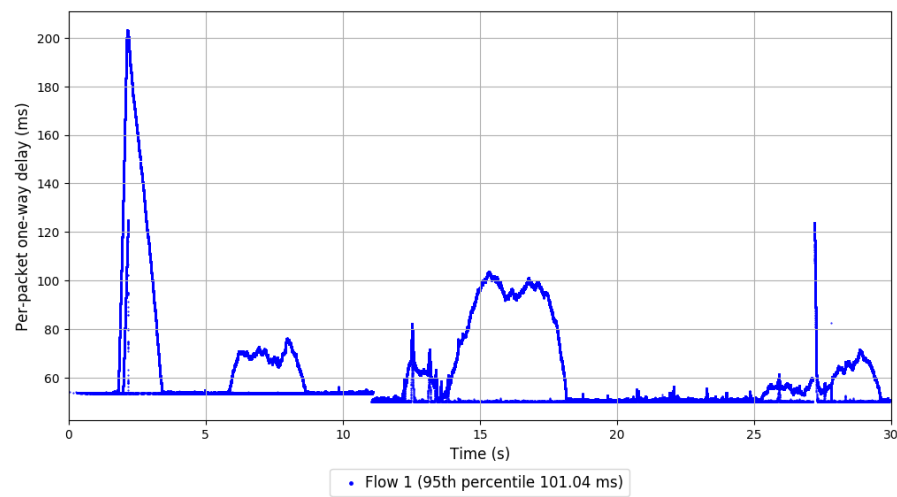
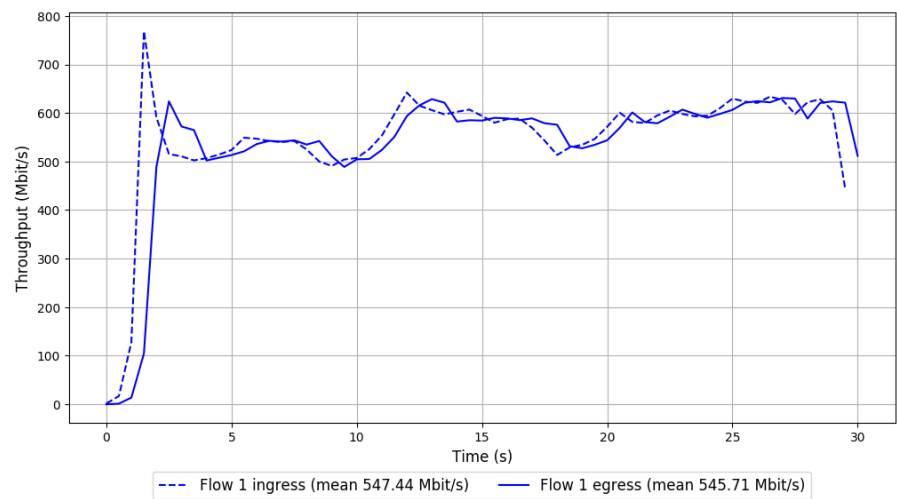


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-26 13:30:39
End at: 2018-07-26 13:31:09
Local clock offset: -0.185 ms
Remote clock offset: -0.192 ms

Below is generated by plot.py at 2018-07-26 17:33:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 545.71 Mbit/s
95th percentile per-packet one-way delay: 101.037 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 545.71 Mbit/s
95th percentile per-packet one-way delay: 101.037 ms
Loss rate: 0.33%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-26 13:52:44

End at: 2018-07-26 13:53:14

Local clock offset: 0.005 ms

Remote clock offset: 1.154 ms

Below is generated by plot.py at 2018-07-26 17:35:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 528.94 Mbit/s

95th percentile per-packet one-way delay: 85.205 ms

Loss rate: 0.24%

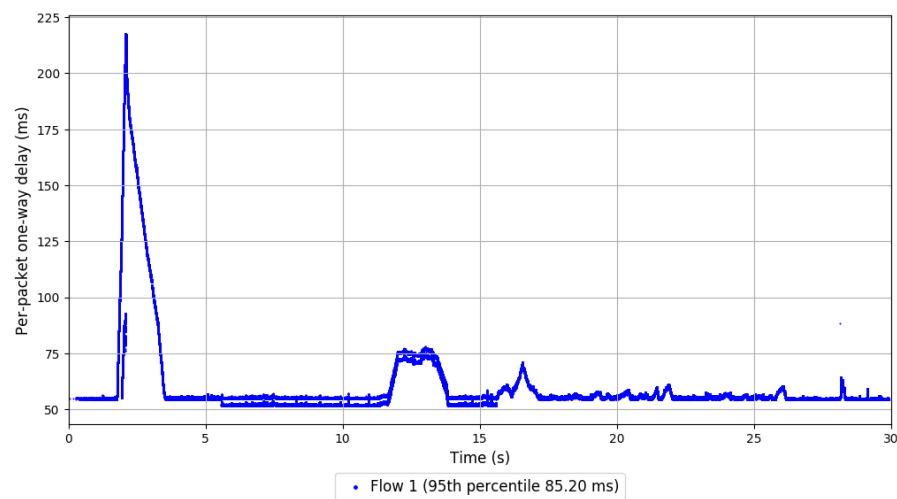
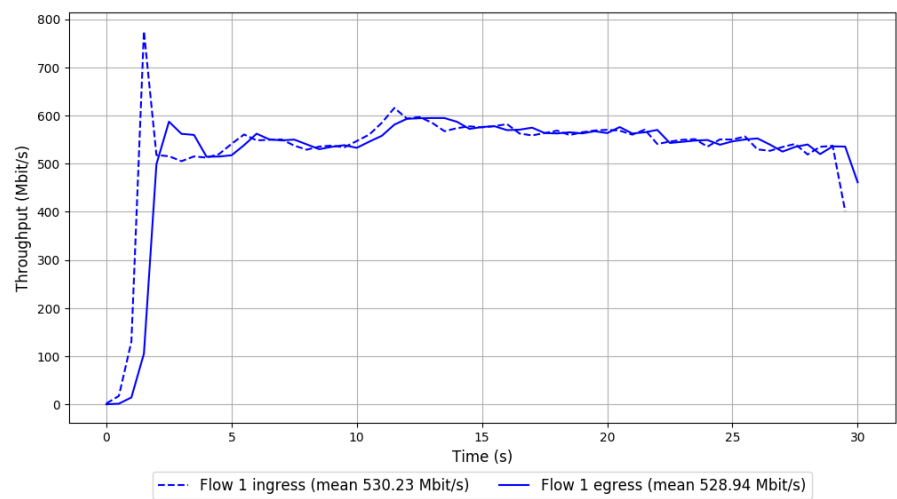
-- Flow 1:

Average throughput: 528.94 Mbit/s

95th percentile per-packet one-way delay: 85.205 ms

Loss rate: 0.24%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-26 14:14:20

End at: 2018-07-26 14:14:50

Local clock offset: 0.026 ms

Remote clock offset: 0.114 ms

Below is generated by plot.py at 2018-07-26 17:36:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 545.53 Mbit/s

95th percentile per-packet one-way delay: 181.844 ms

Loss rate: 1.39%

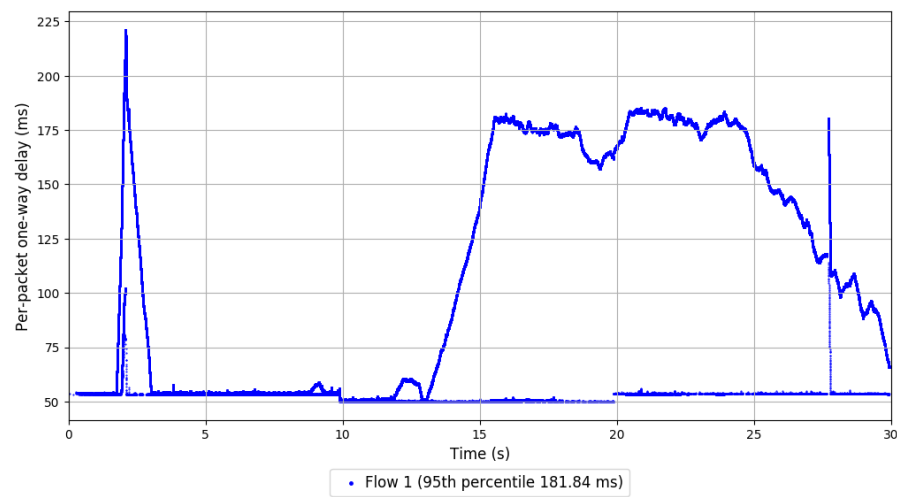
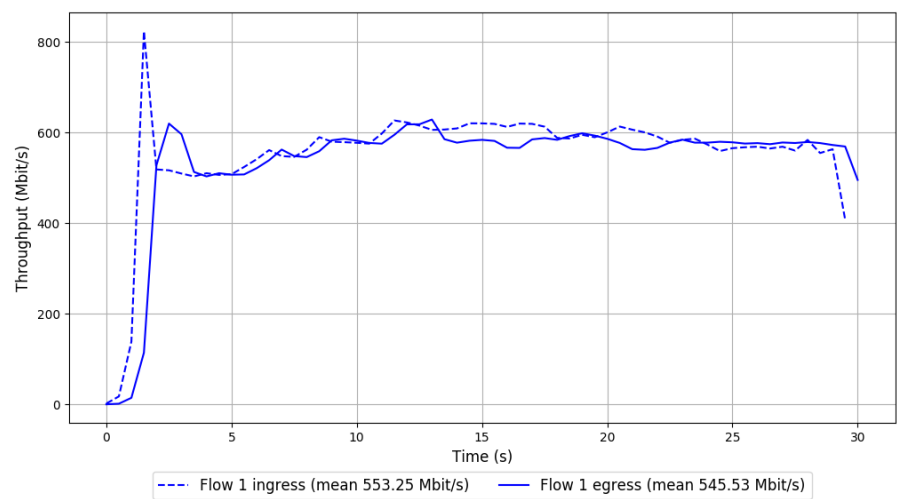
-- Flow 1:

Average throughput: 545.53 Mbit/s

95th percentile per-packet one-way delay: 181.844 ms

Loss rate: 1.39%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-26 14:36:09

End at: 2018-07-26 14:36:39

Local clock offset: 0.017 ms

Remote clock offset: 1.455 ms

Below is generated by plot.py at 2018-07-26 17:36:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 531.15 Mbit/s

95th percentile per-packet one-way delay: 82.447 ms

Loss rate: 0.28%

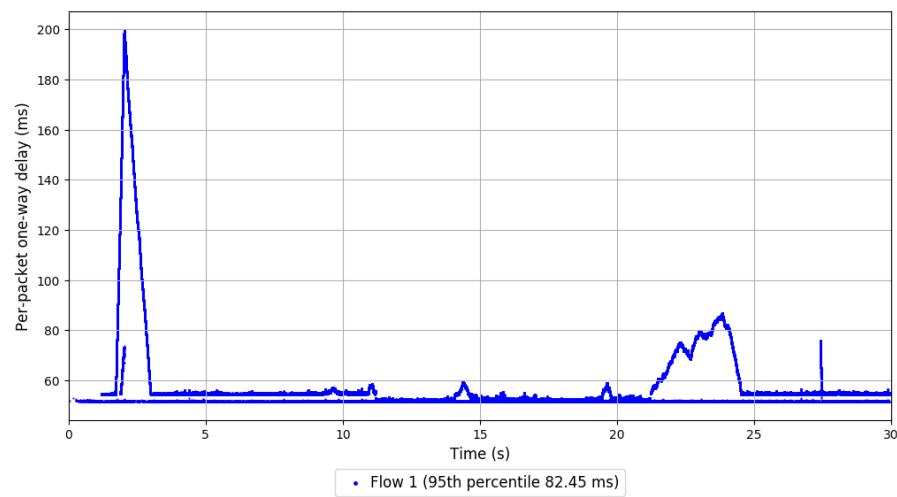
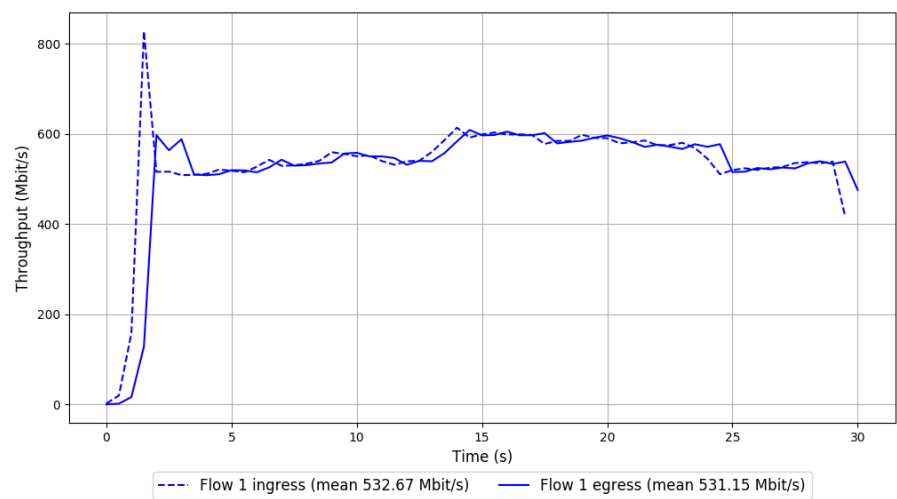
-- Flow 1:

Average throughput: 531.15 Mbit/s

95th percentile per-packet one-way delay: 82.447 ms

Loss rate: 0.28%

Run 7: Report of PCC-Allegro — Data Link

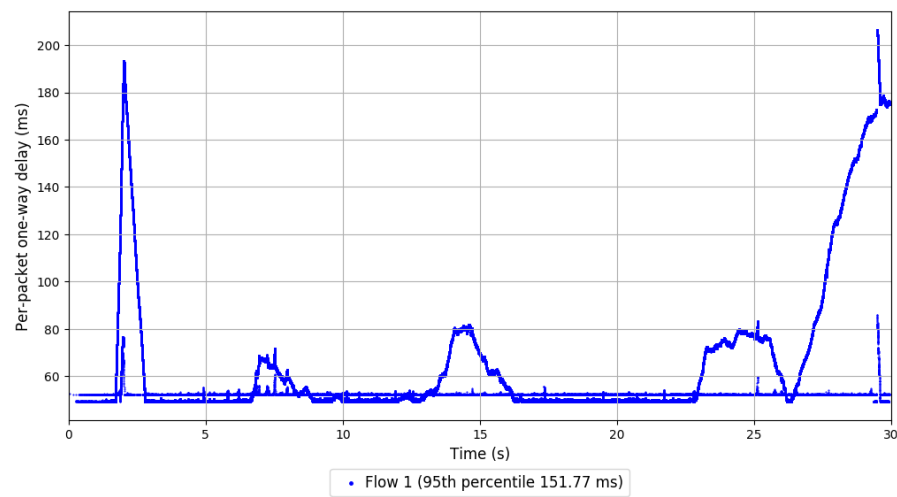
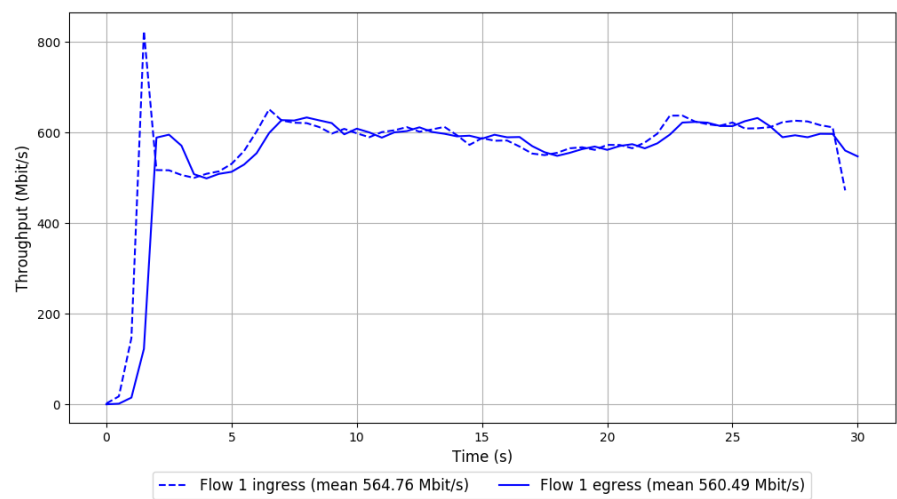


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-26 14:58:18
End at: 2018-07-26 14:58:48
Local clock offset: -0.171 ms
Remote clock offset: -1.363 ms

Below is generated by plot.py at 2018-07-26 17:37:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 560.49 Mbit/s
95th percentile per-packet one-way delay: 151.773 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 560.49 Mbit/s
95th percentile per-packet one-way delay: 151.773 ms
Loss rate: 0.76%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-26 15:20:18

End at: 2018-07-26 15:20:48

Local clock offset: 0.025 ms

Remote clock offset: 0.164 ms

Below is generated by plot.py at 2018-07-26 17:42:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 532.33 Mbit/s

95th percentile per-packet one-way delay: 188.937 ms

Loss rate: 1.99%

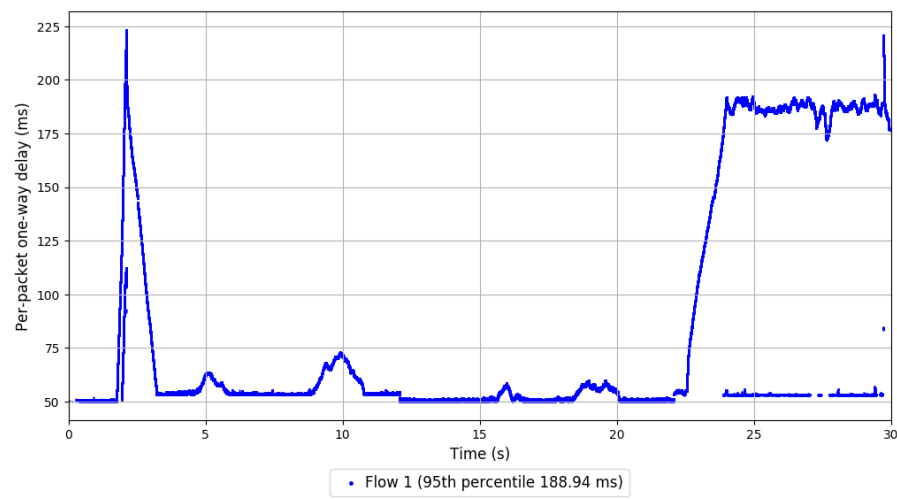
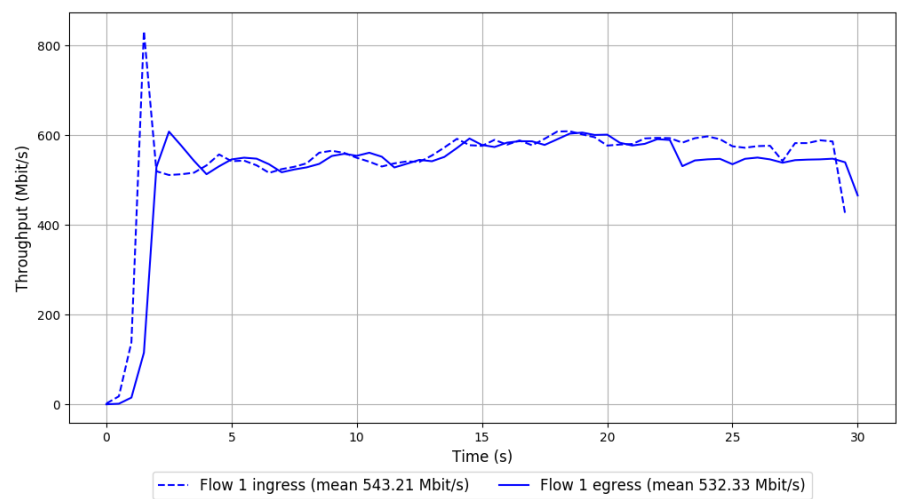
-- Flow 1:

Average throughput: 532.33 Mbit/s

95th percentile per-packet one-way delay: 188.937 ms

Loss rate: 1.99%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-26 15:41:48

End at: 2018-07-26 15:42:18

Local clock offset: 0.009 ms

Remote clock offset: -0.207 ms

Below is generated by plot.py at 2018-07-26 17:42:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 540.60 Mbit/s

95th percentile per-packet one-way delay: 176.205 ms

Loss rate: 0.90%

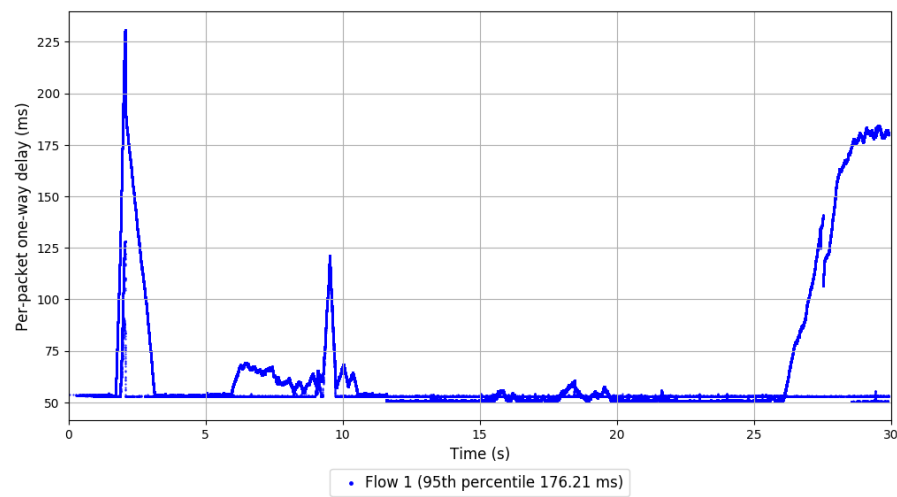
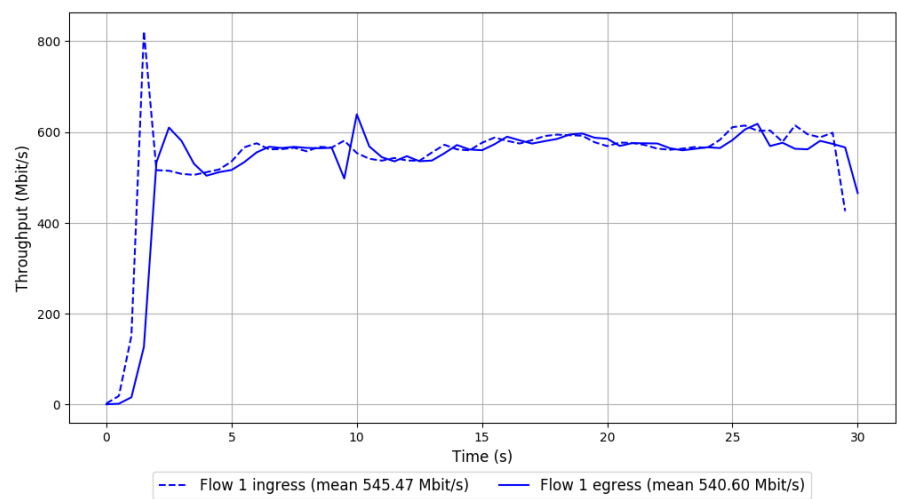
-- Flow 1:

Average throughput: 540.60 Mbit/s

95th percentile per-packet one-way delay: 176.205 ms

Loss rate: 0.90%

Run 10: Report of PCC-Allegro — Data Link

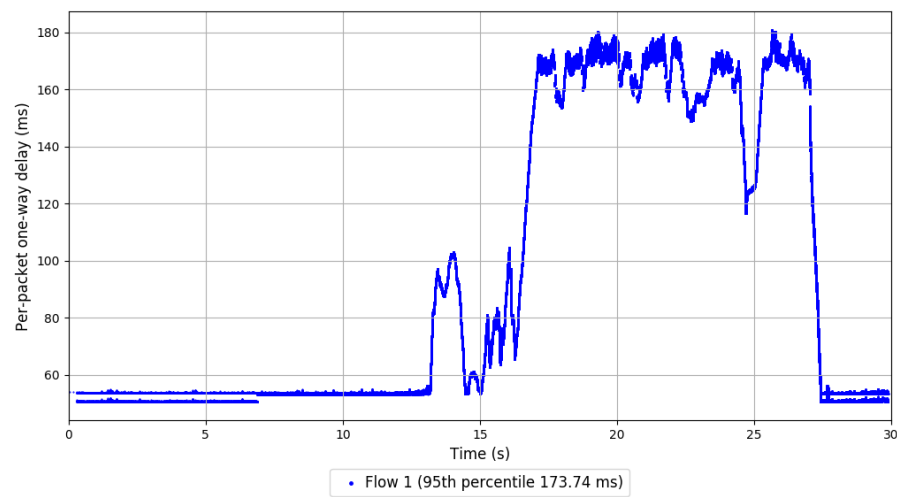
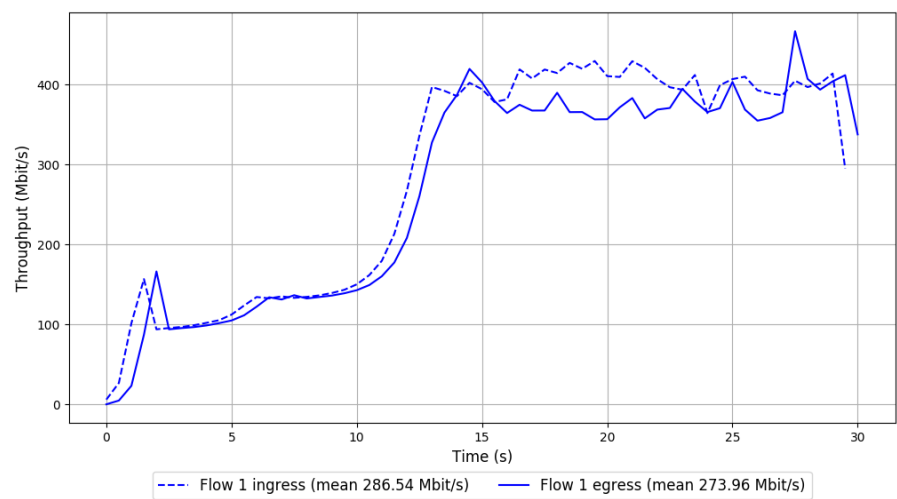


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-26 12:26:13
End at: 2018-07-26 12:26:43
Local clock offset: -0.144 ms
Remote clock offset: 0.035 ms

# Below is generated by plot.py at 2018-07-26 17:42:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 273.96 Mbit/s
95th percentile per-packet one-way delay: 173.741 ms
Loss rate: 4.39%
-- Flow 1:
Average throughput: 273.96 Mbit/s
95th percentile per-packet one-way delay: 173.741 ms
Loss rate: 4.39%
```


Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-07-26 12:47:56

End at: 2018-07-26 12:48:26

Local clock offset: 0.177 ms

Remote clock offset: 1.45 ms

Below is generated by plot.py at 2018-07-26 17:51:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 449.79 Mbit/s

95th percentile per-packet one-way delay: 191.812 ms

Loss rate: 6.10%

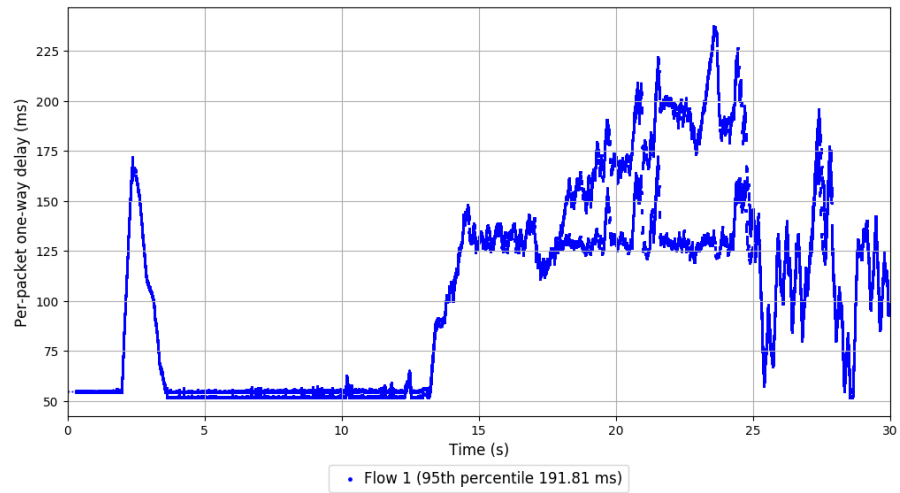
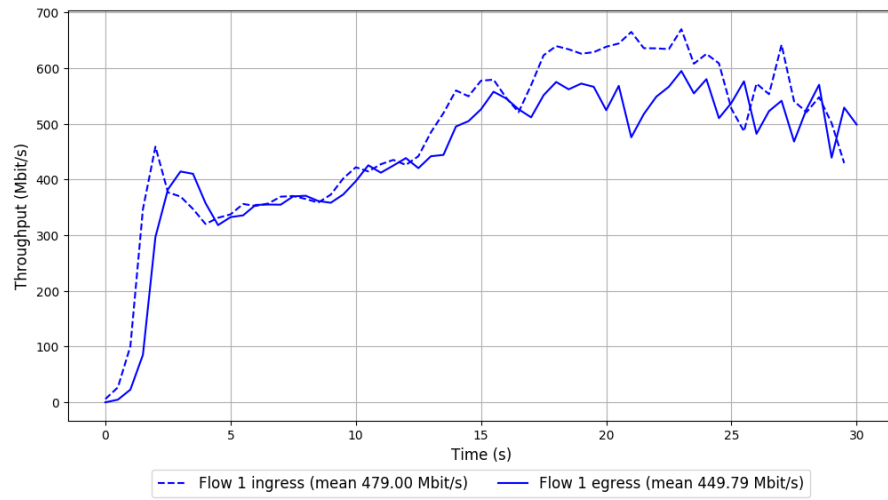
-- Flow 1:

Average throughput: 449.79 Mbit/s

95th percentile per-packet one-way delay: 191.812 ms

Loss rate: 6.10%

Run 2: Report of PCC-Expr — Data Link

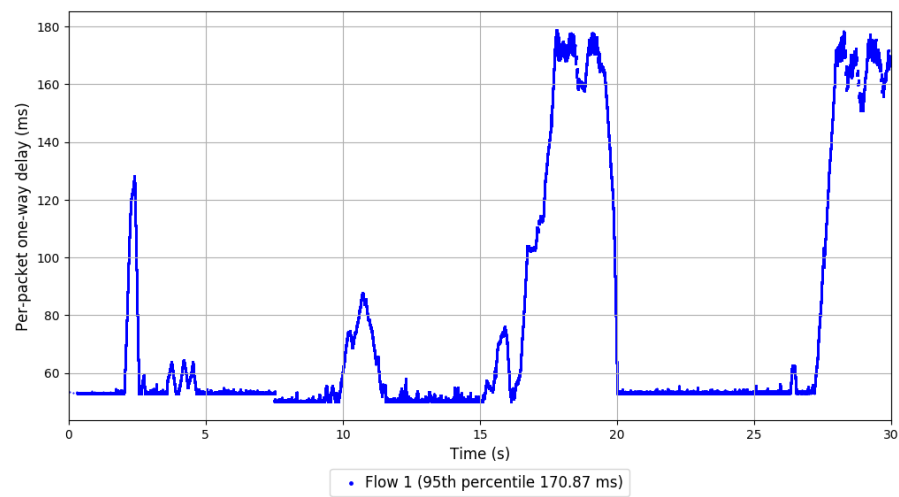
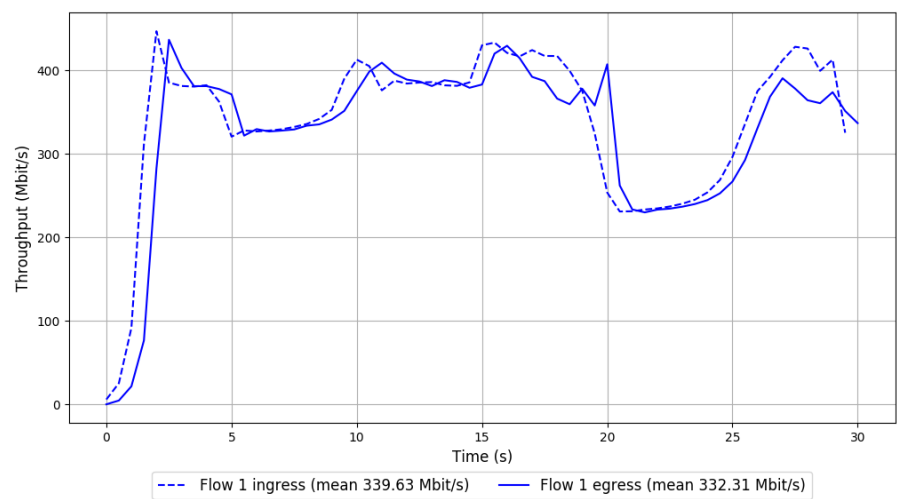


Run 3: Statistics of PCC-Expr

Start at: 2018-07-26 13:10:03
End at: 2018-07-26 13:10:33
Local clock offset: 0.192 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2018-07-26 17:51:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 332.31 Mbit/s
95th percentile per-packet one-way delay: 170.871 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 332.31 Mbit/s
95th percentile per-packet one-way delay: 170.871 ms
Loss rate: 2.15%

Run 3: Report of PCC-Expr — Data Link

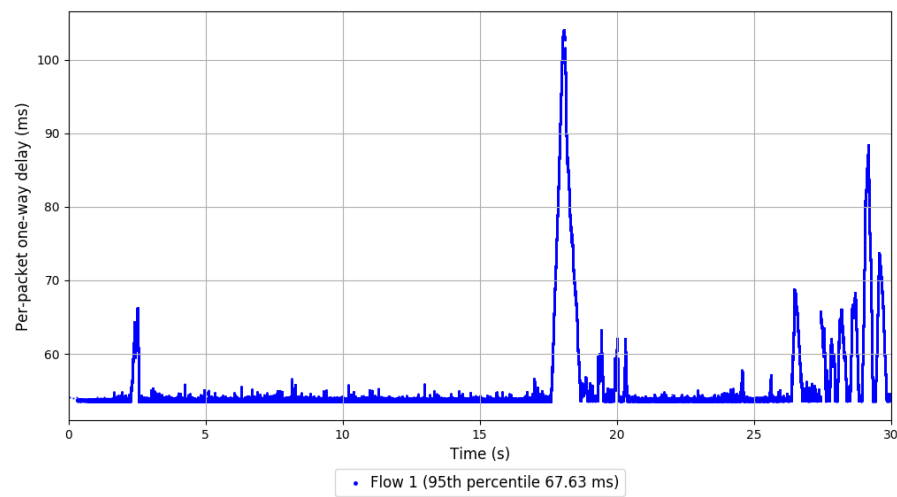
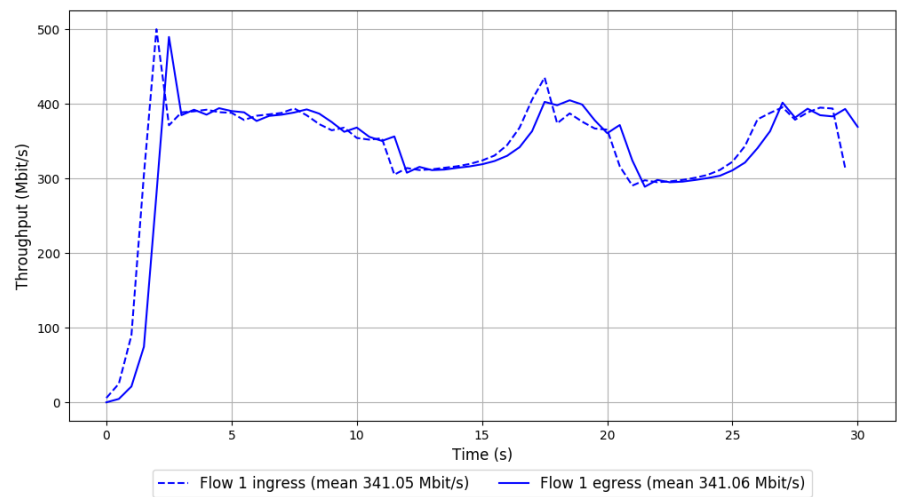


Run 4: Statistics of PCC-Expr

Start at: 2018-07-26 13:32:02
End at: 2018-07-26 13:32:32
Local clock offset: -0.078 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-26 17:51:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 341.06 Mbit/s
95th percentile per-packet one-way delay: 67.628 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 341.06 Mbit/s
95th percentile per-packet one-way delay: 67.628 ms
Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-26 13:54:08

End at: 2018-07-26 13:54:38

Local clock offset: 0.153 ms

Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-07-26 17:51:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 114.52 Mbit/s

95th percentile per-packet one-way delay: 53.503 ms

Loss rate: 0.00%

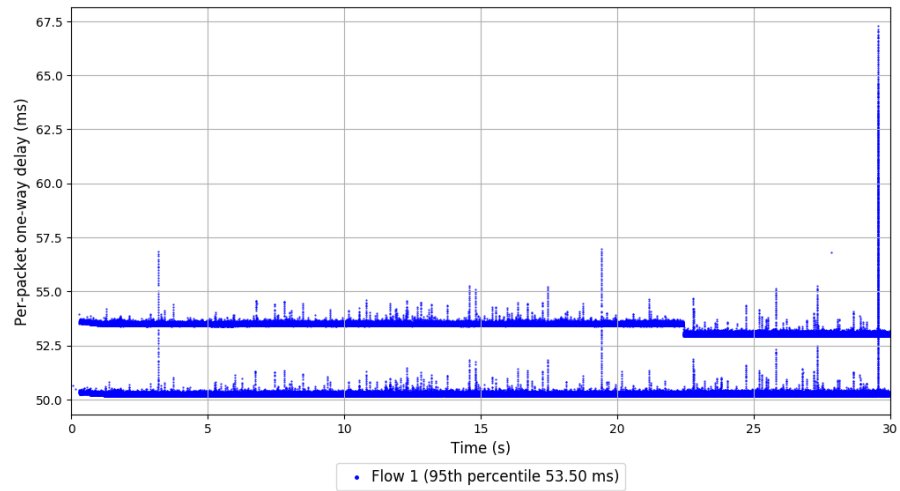
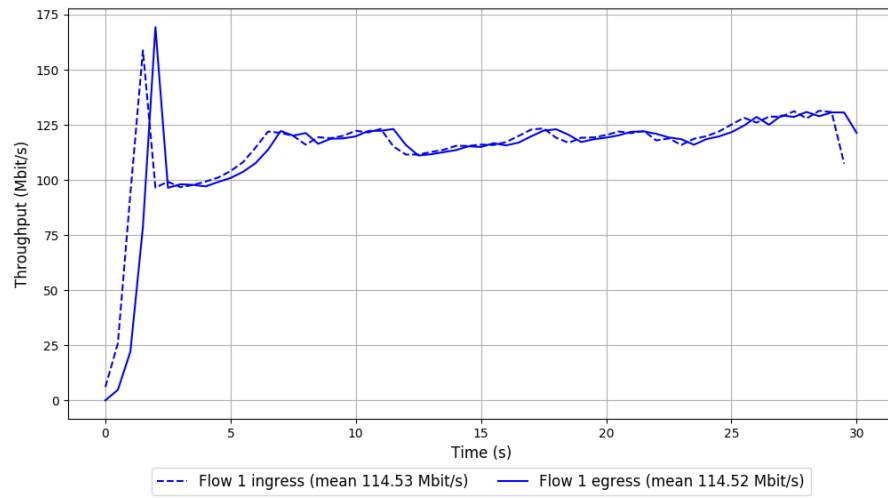
-- Flow 1:

Average throughput: 114.52 Mbit/s

95th percentile per-packet one-way delay: 53.503 ms

Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link

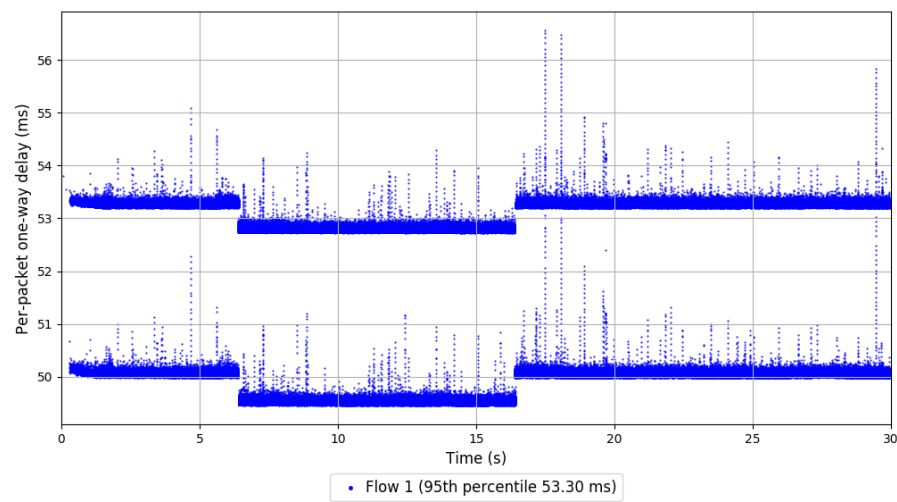
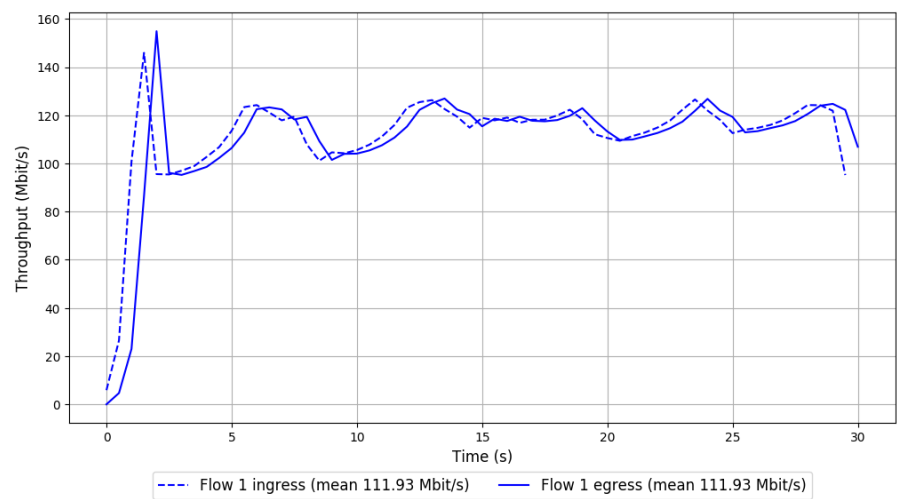


Run 6: Statistics of PCC-Expr

Start at: 2018-07-26 14:15:44
End at: 2018-07-26 14:16:14
Local clock offset: 0.084 ms
Remote clock offset: -0.338 ms

Below is generated by plot.py at 2018-07-26 17:51:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 111.93 Mbit/s
95th percentile per-packet one-way delay: 53.300 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 111.93 Mbit/s
95th percentile per-packet one-way delay: 53.300 ms
Loss rate: 0.00%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-26 14:37:32

End at: 2018-07-26 14:38:02

Local clock offset: 0.187 ms

Remote clock offset: 0.191 ms

Below is generated by plot.py at 2018-07-26 17:51:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.88 Mbit/s

95th percentile per-packet one-way delay: 58.575 ms

Loss rate: 0.14%

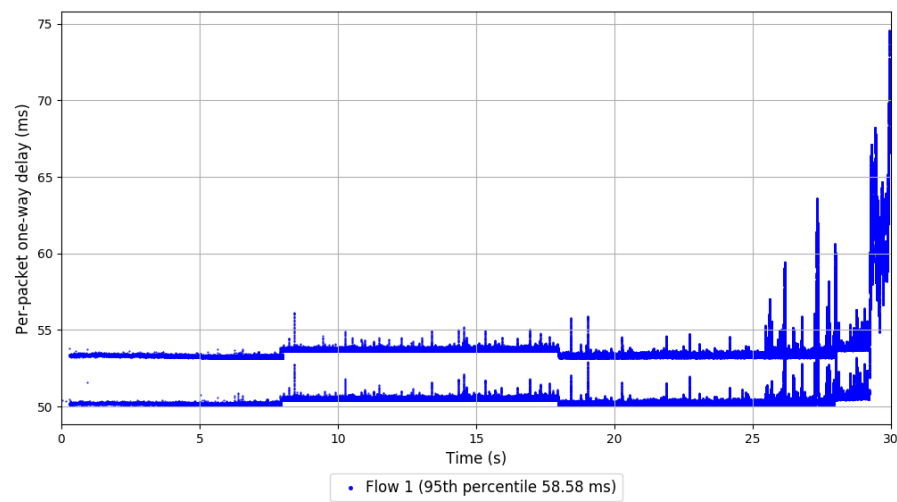
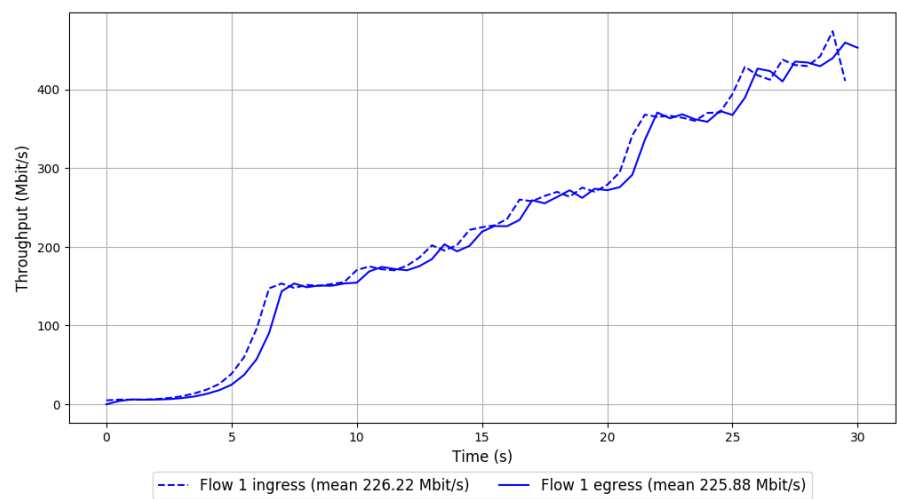
-- Flow 1:

Average throughput: 225.88 Mbit/s

95th percentile per-packet one-way delay: 58.575 ms

Loss rate: 0.14%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-07-26 14:59:42

End at: 2018-07-26 15:00:12

Local clock offset: 0.102 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-07-26 17:57:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 341.25 Mbit/s

95th percentile per-packet one-way delay: 60.928 ms

Loss rate: 0.00%

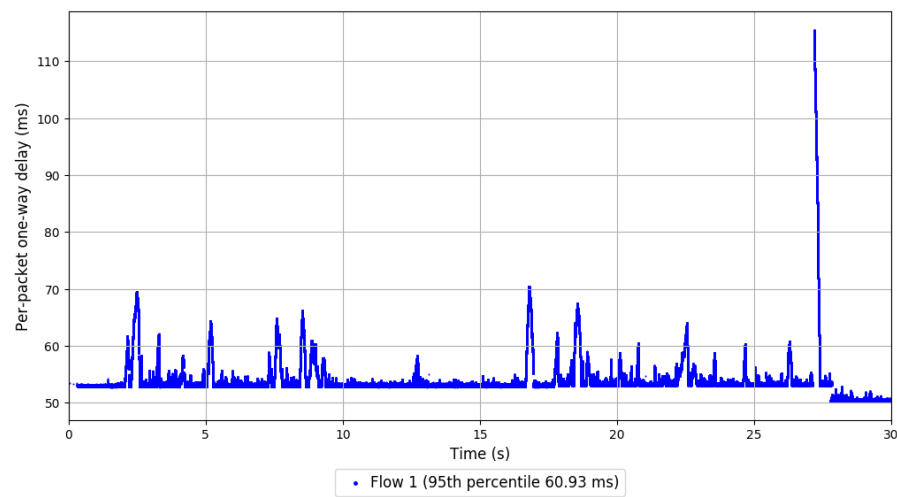
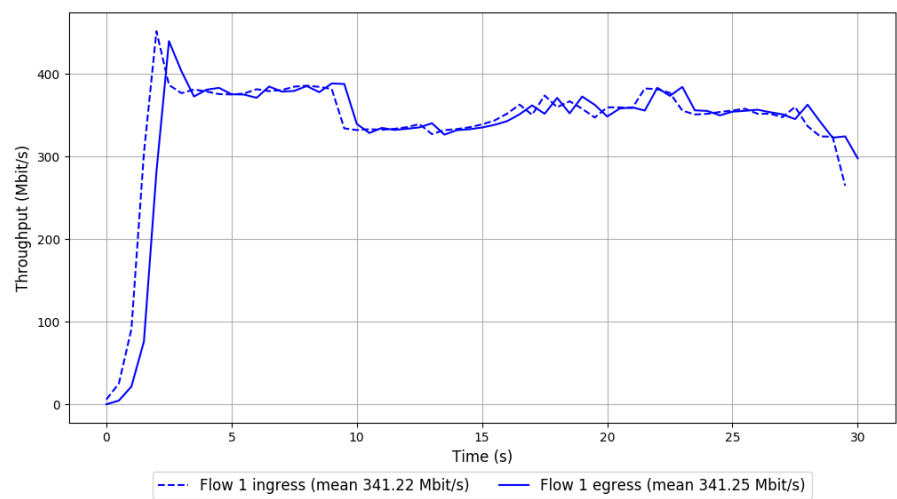
-- Flow 1:

Average throughput: 341.25 Mbit/s

95th percentile per-packet one-way delay: 60.928 ms

Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-26 15:21:41

End at: 2018-07-26 15:22:11

Local clock offset: -0.079 ms

Remote clock offset: 1.255 ms

Below is generated by plot.py at 2018-07-26 17:57:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 127.69 Mbit/s

95th percentile per-packet one-way delay: 54.627 ms

Loss rate: 0.00%

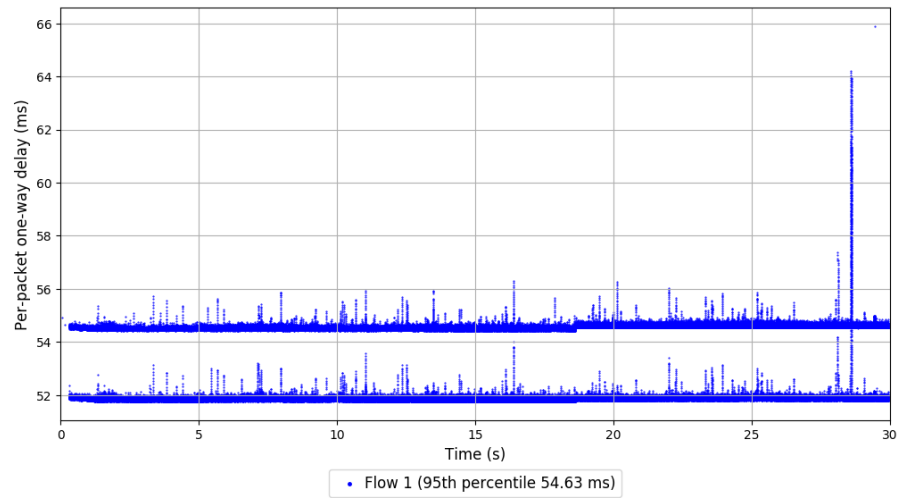
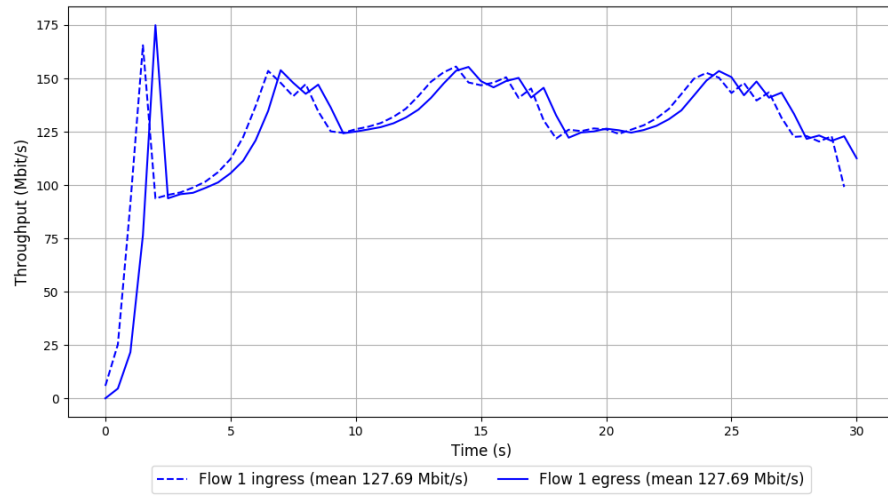
-- Flow 1:

Average throughput: 127.69 Mbit/s

95th percentile per-packet one-way delay: 54.627 ms

Loss rate: 0.00%

Run 9: Report of PCC-Expr — Data Link

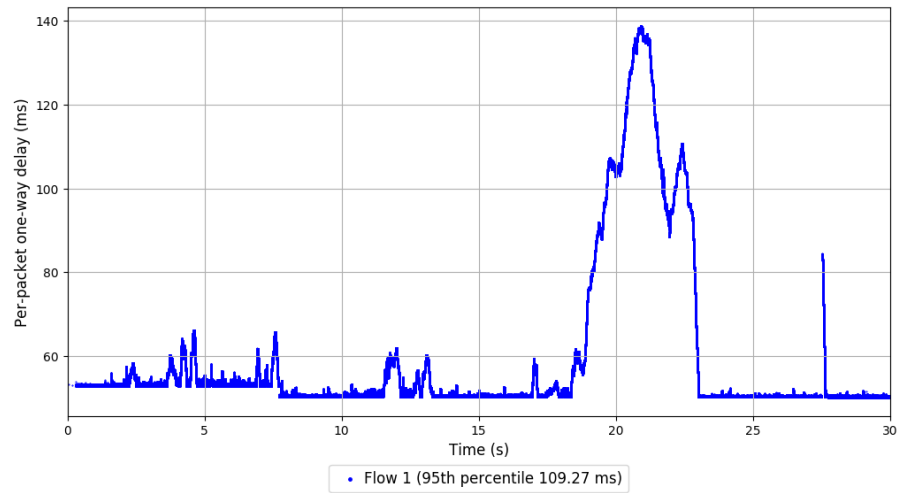
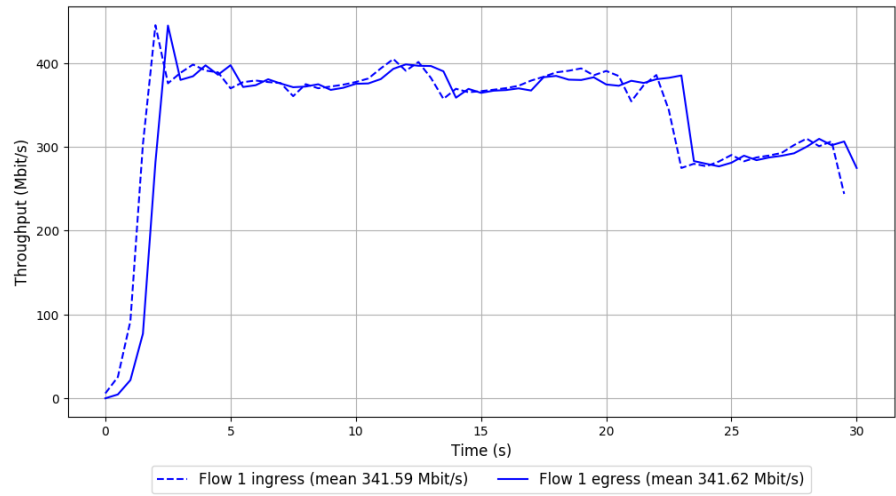


Run 10: Statistics of PCC-Expr

Start at: 2018-07-26 15:43:12
End at: 2018-07-26 15:43:42
Local clock offset: 0.038 ms
Remote clock offset: -0.151 ms

Below is generated by plot.py at 2018-07-26 17:57:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 341.62 Mbit/s
95th percentile per-packet one-way delay: 109.273 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 341.62 Mbit/s
95th percentile per-packet one-way delay: 109.273 ms
Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

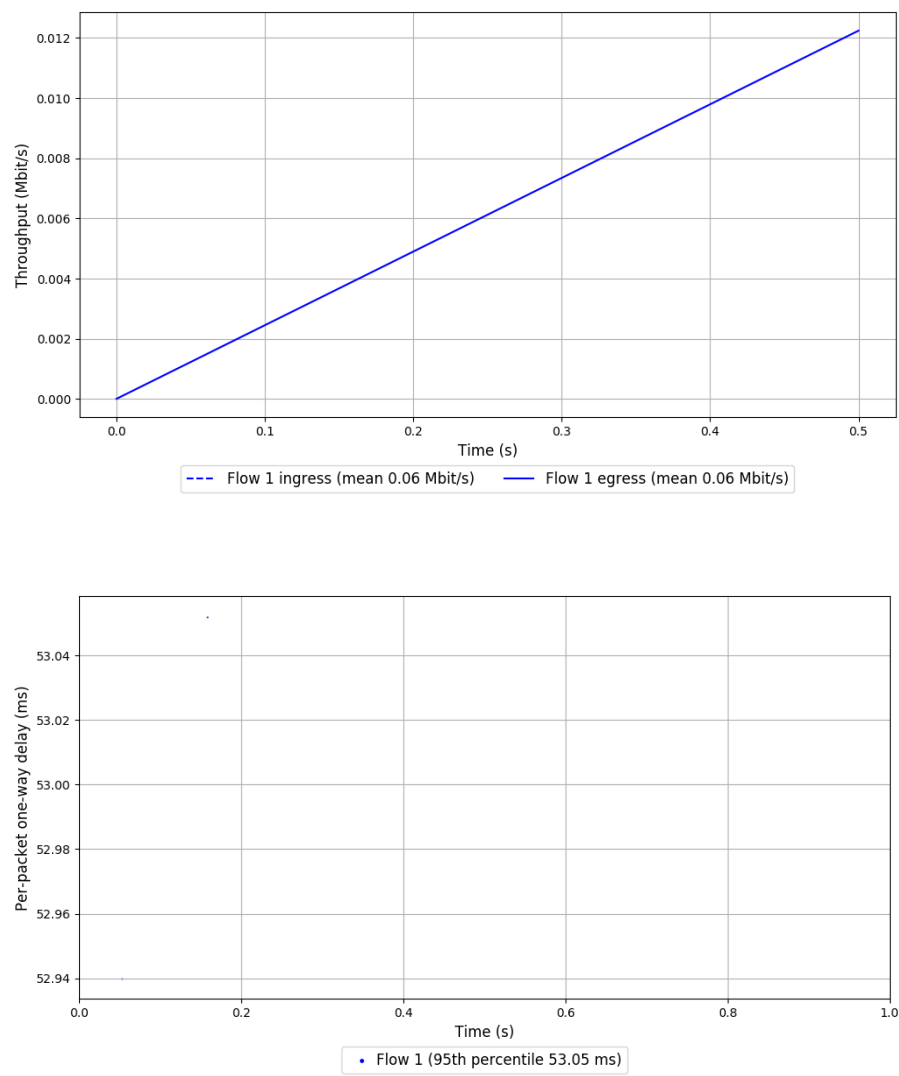
Start at: 2018-07-26 12:29:59

End at: 2018-07-26 12:30:29

Local clock offset: 0.243 ms

Remote clock offset: 0.106 ms

Run 1: Report of QUIC Cubic — Data Link

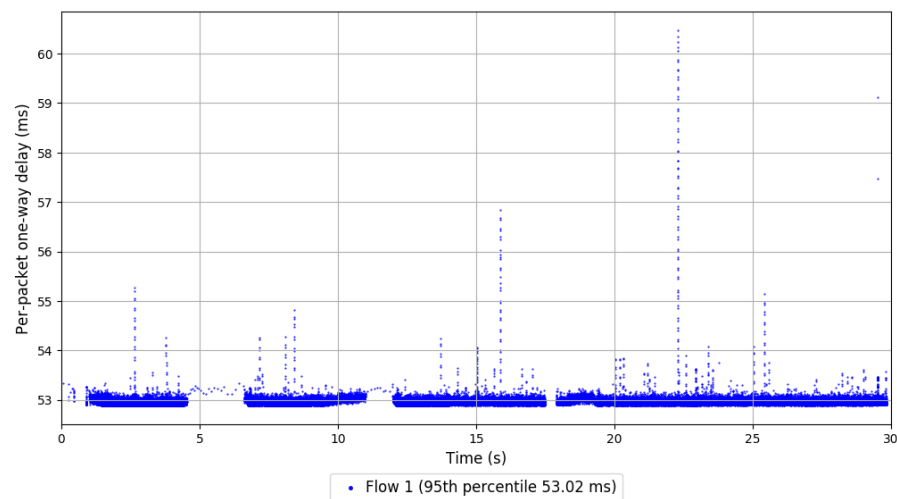
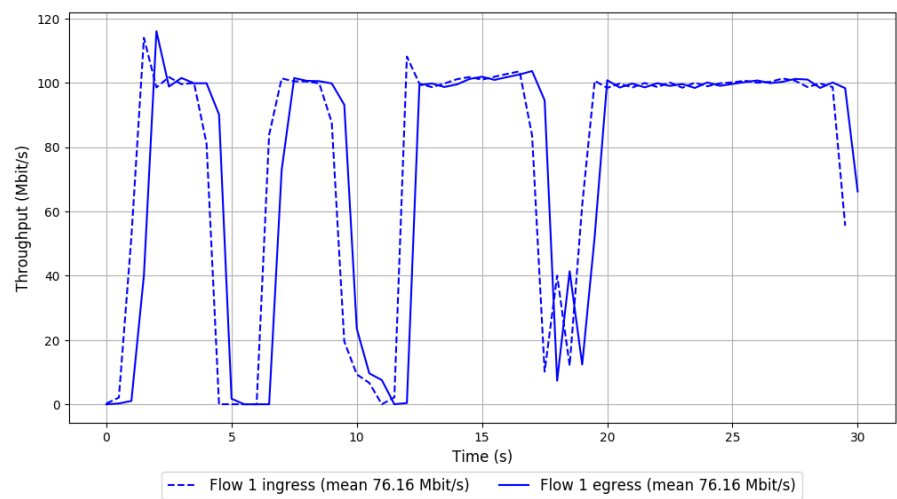


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-26 12:51:50
End at: 2018-07-26 12:52:20
Local clock offset: -0.087 ms
Remote clock offset: -0.304 ms

Below is generated by plot.py at 2018-07-26 17:57:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.16 Mbit/s
95th percentile per-packet one-way delay: 53.015 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.16 Mbit/s
95th percentile per-packet one-way delay: 53.015 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

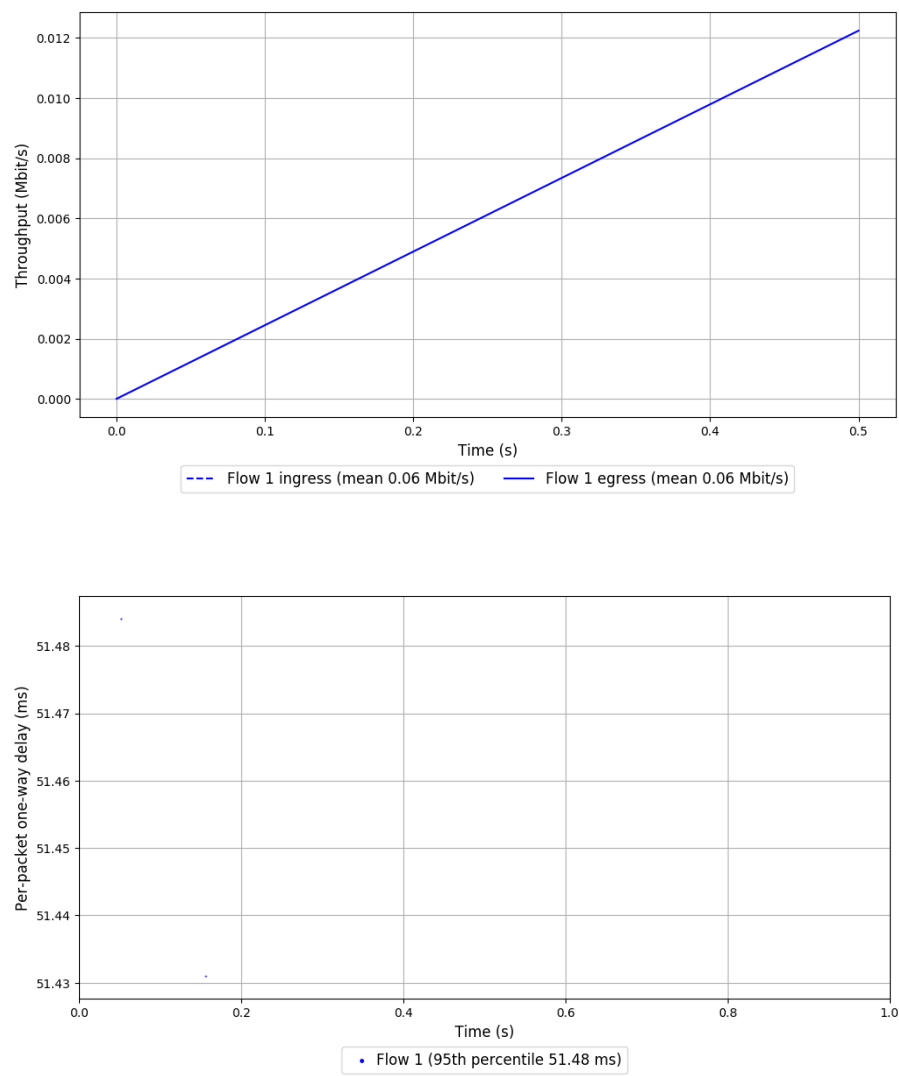
Start at: 2018-07-26 13:13:58

End at: 2018-07-26 13:14:28

Local clock offset: -0.01 ms

Remote clock offset: 1.164 ms

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

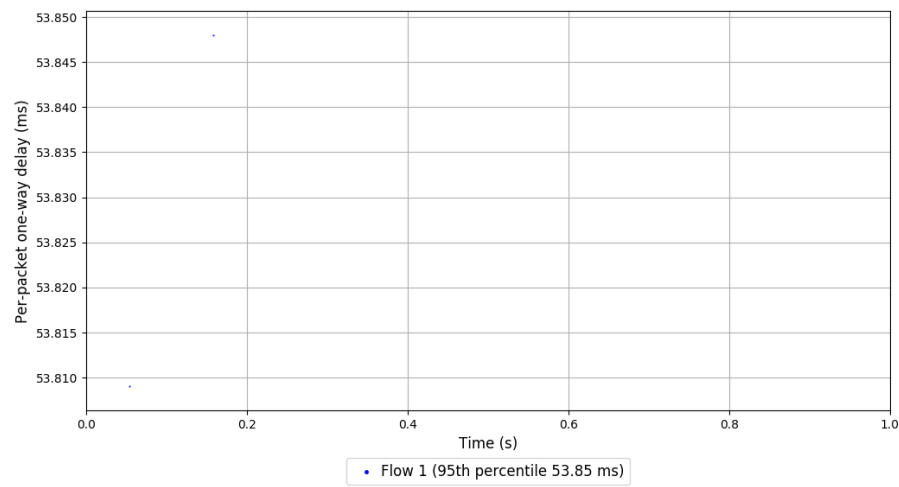
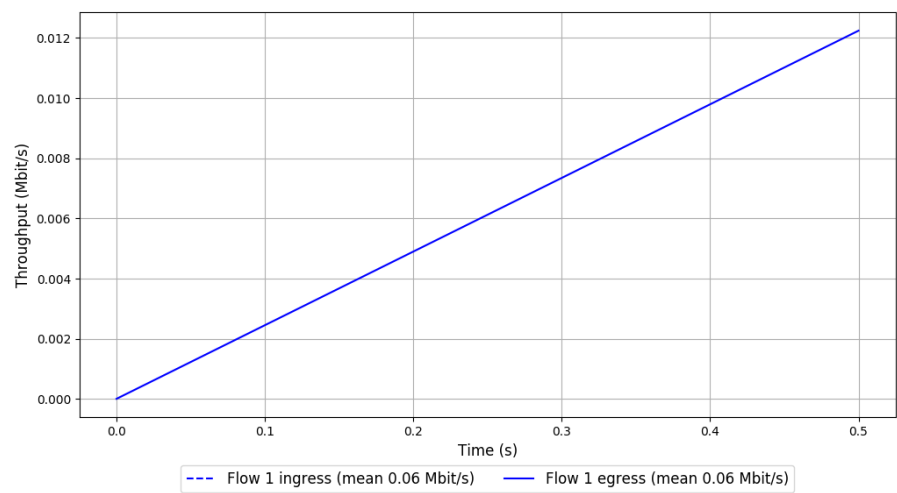
Start at: 2018-07-26 13:35:58

End at: 2018-07-26 13:36:28

Local clock offset: -0.043 ms

Remote clock offset: 0.124 ms

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

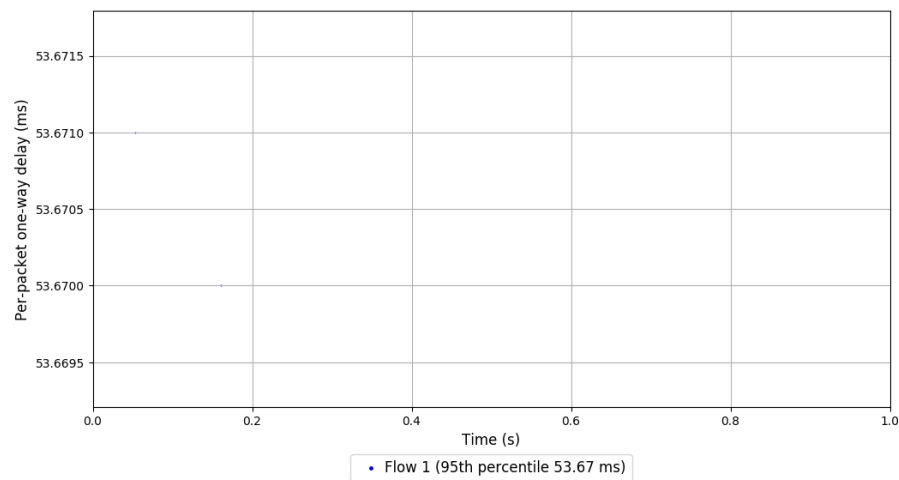
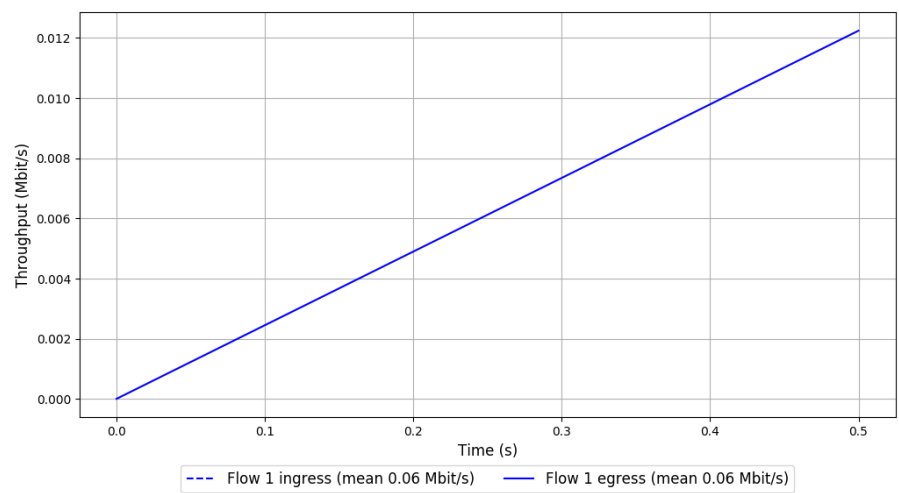
Start at: 2018-07-26 13:57:42

End at: 2018-07-26 13:58:12

Local clock offset: -0.054 ms

Remote clock offset: -0.108 ms

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

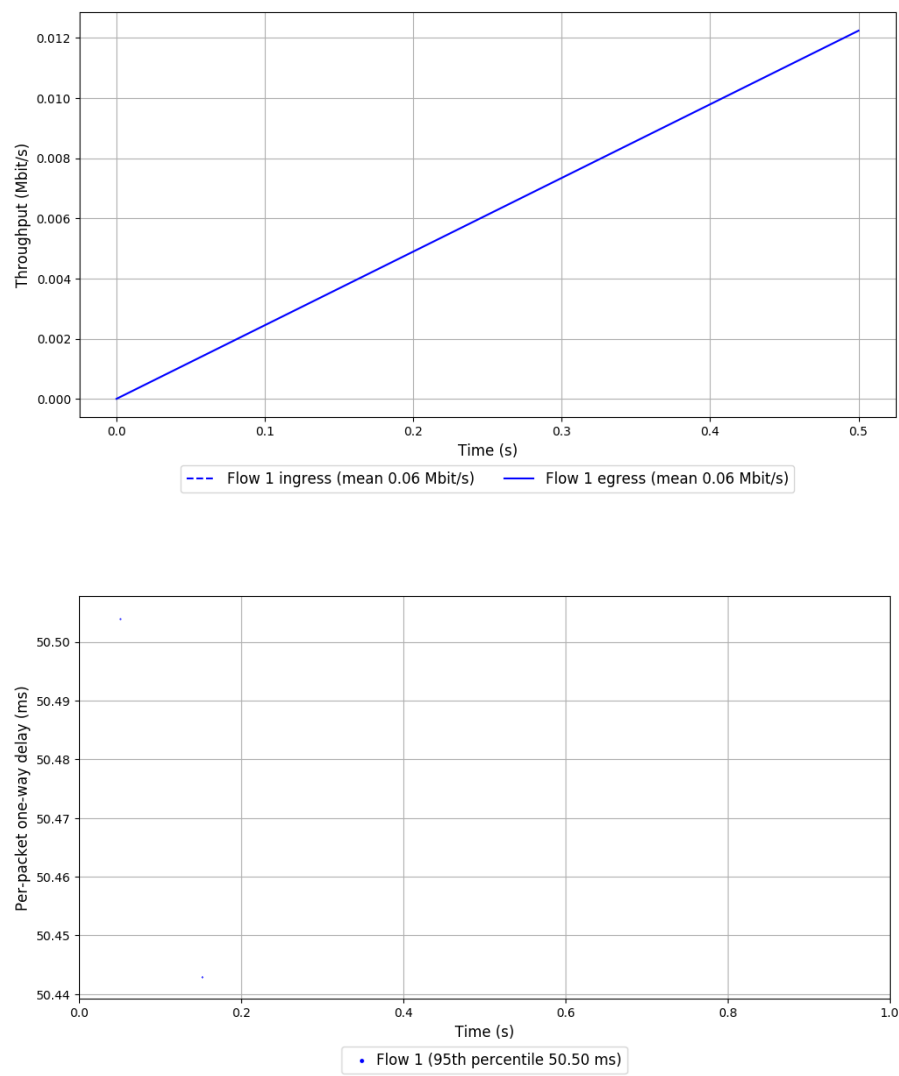
Start at: 2018-07-26 14:19:16

End at: 2018-07-26 14:19:46

Local clock offset: 0.005 ms

Remote clock offset: -0.153 ms

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

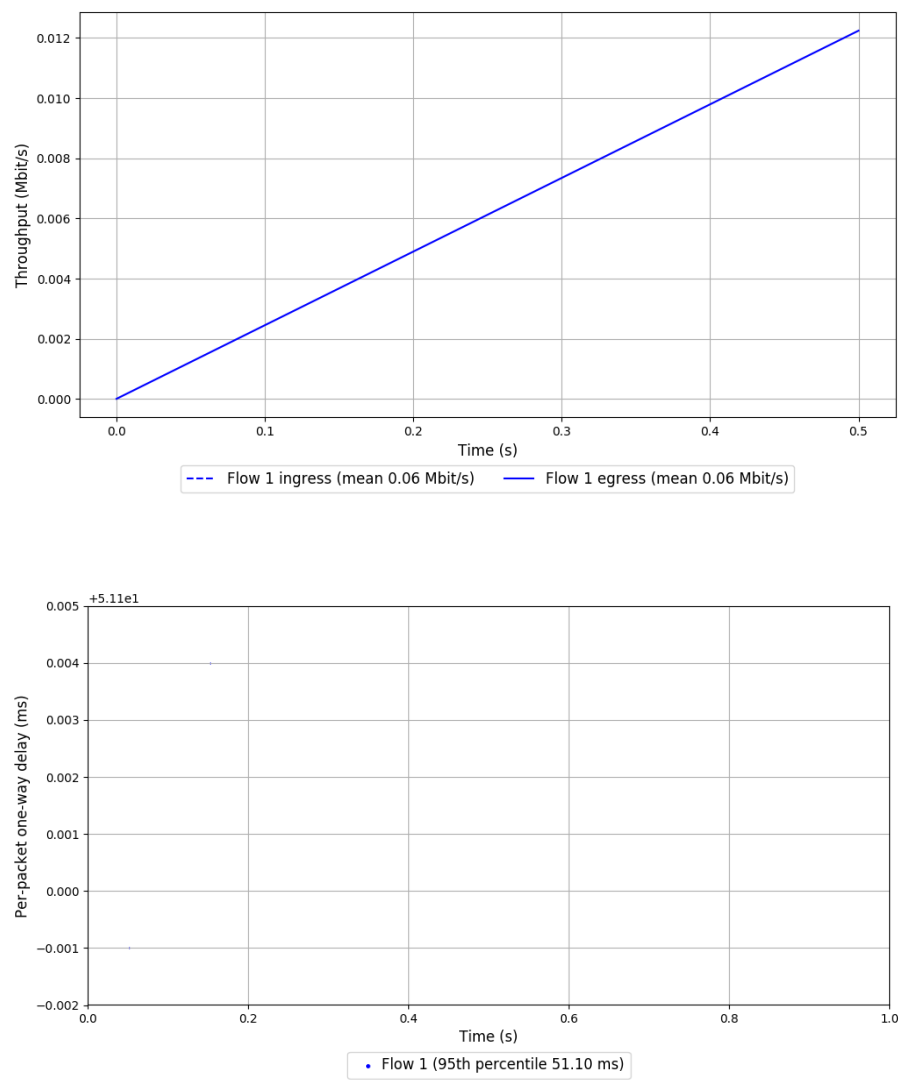
Start at: 2018-07-26 14:41:10

End at: 2018-07-26 14:41:40

Local clock offset: 0.245 ms

Remote clock offset: 1.278 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-26 15:03:34

End at: 2018-07-26 15:04:04

Local clock offset: -0.112 ms

Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-26 17:57:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.83 Mbit/s

95th percentile per-packet one-way delay: 50.356 ms

Loss rate: 0.00%

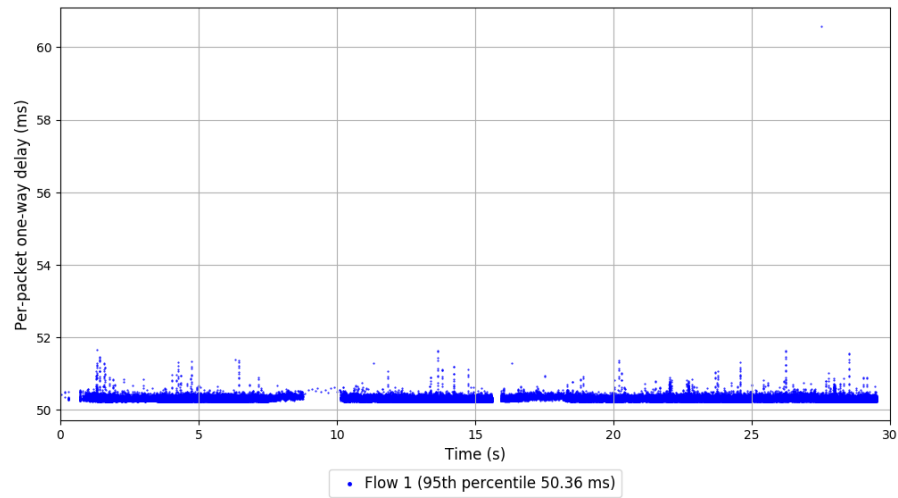
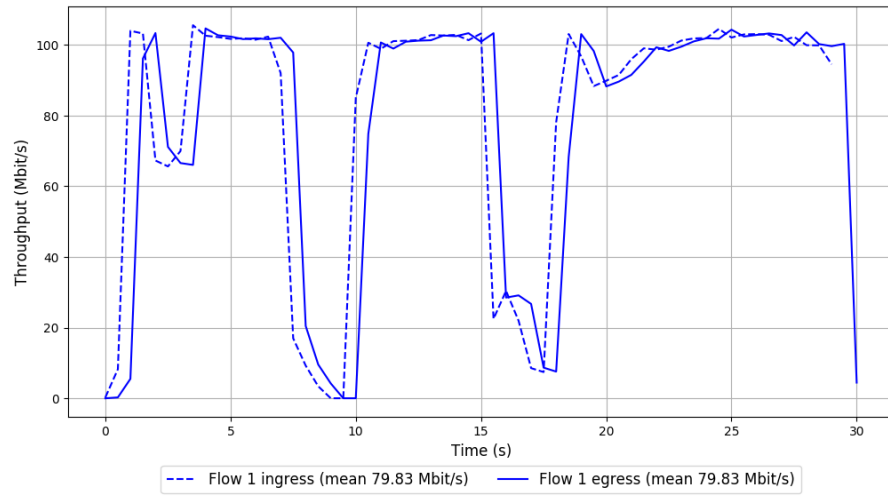
-- Flow 1:

Average throughput: 79.83 Mbit/s

95th percentile per-packet one-way delay: 50.356 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

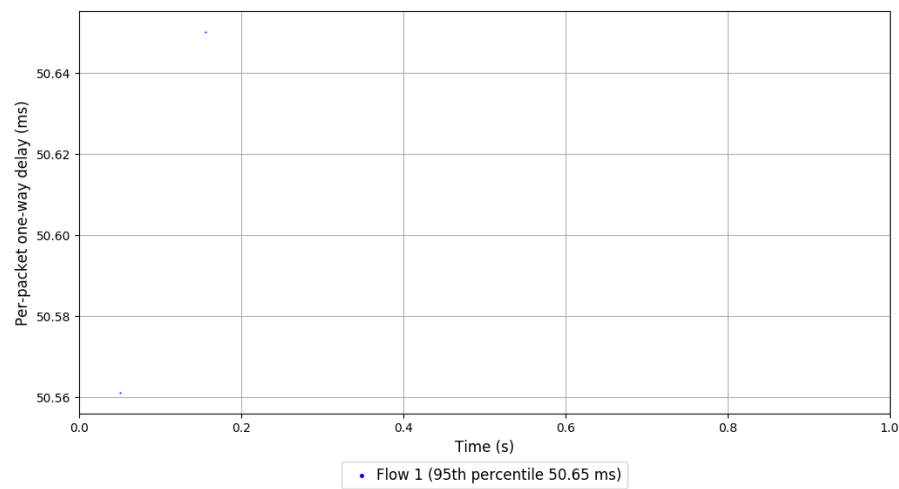
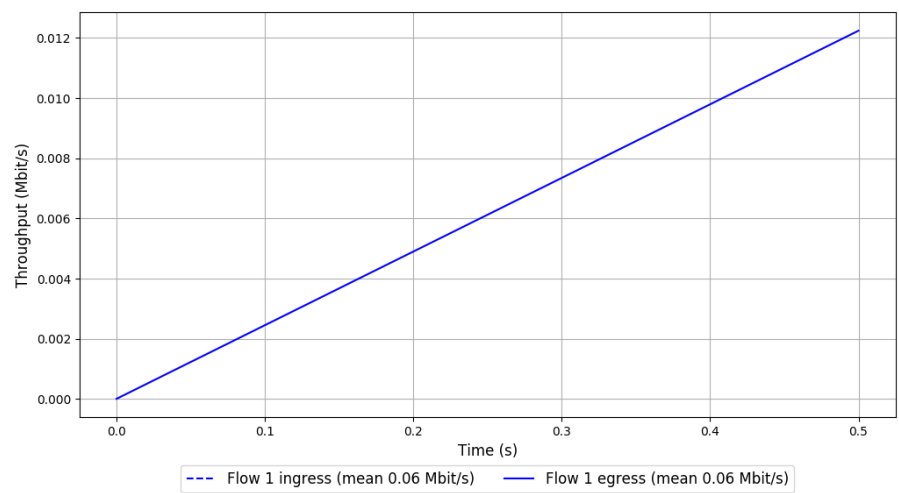
Start at: 2018-07-26 15:25:19

End at: 2018-07-26 15:25:49

Local clock offset: 0.028 ms

Remote clock offset: -0.047 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

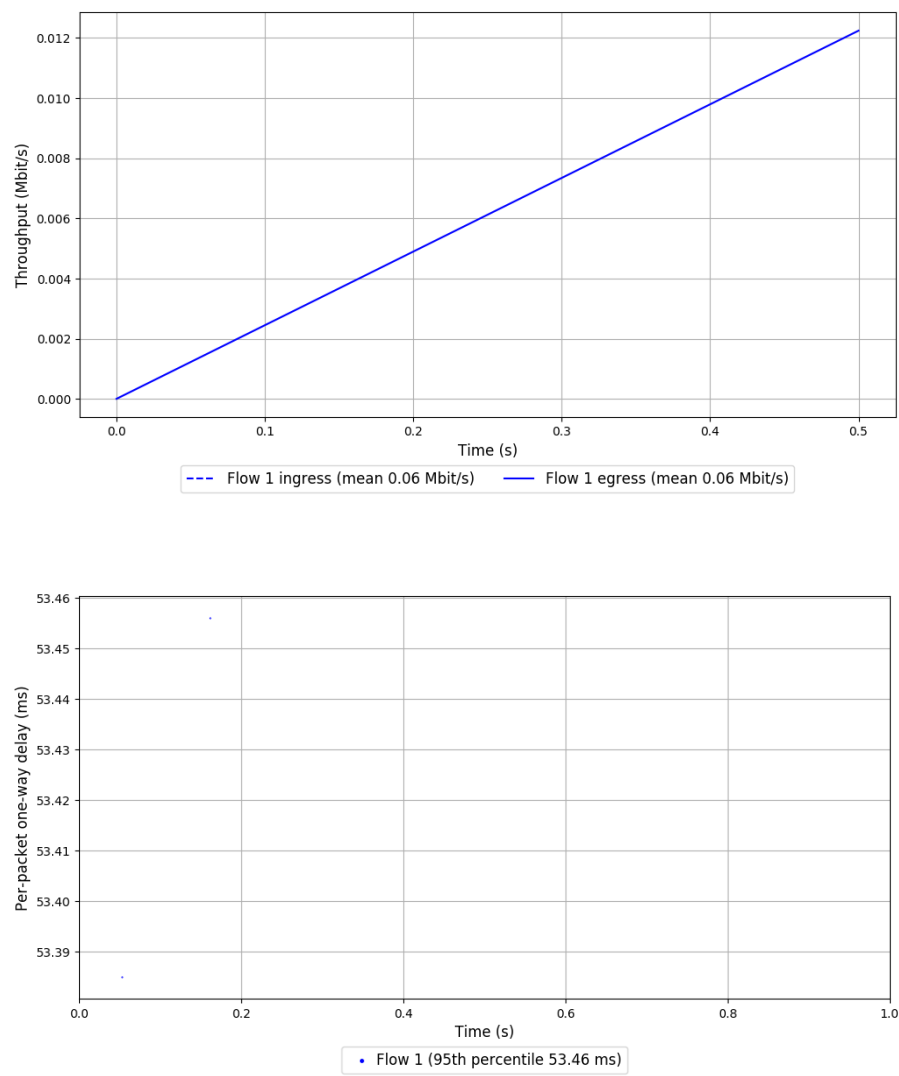
Start at: 2018-07-26 15:47:06

End at: 2018-07-26 15:47:36

Local clock offset: 0.075 ms

Remote clock offset: 0.038 ms

Run 10: Report of QUIC Cubic — Data Link

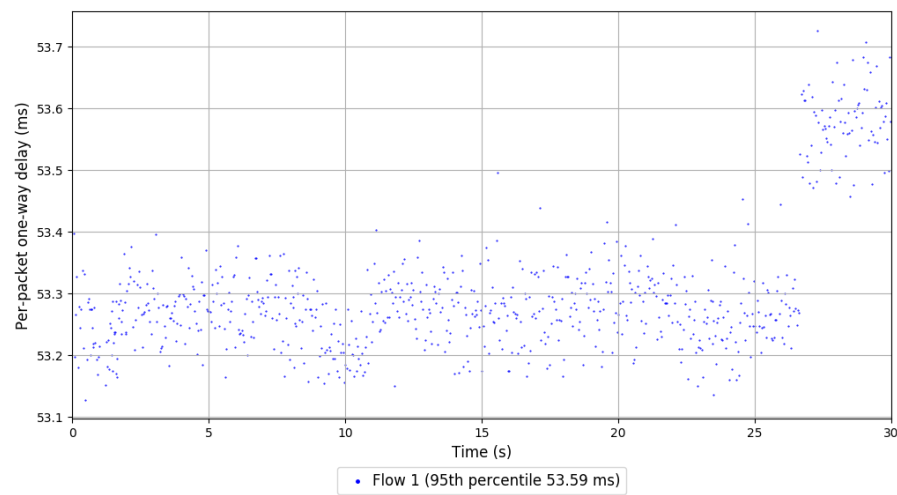
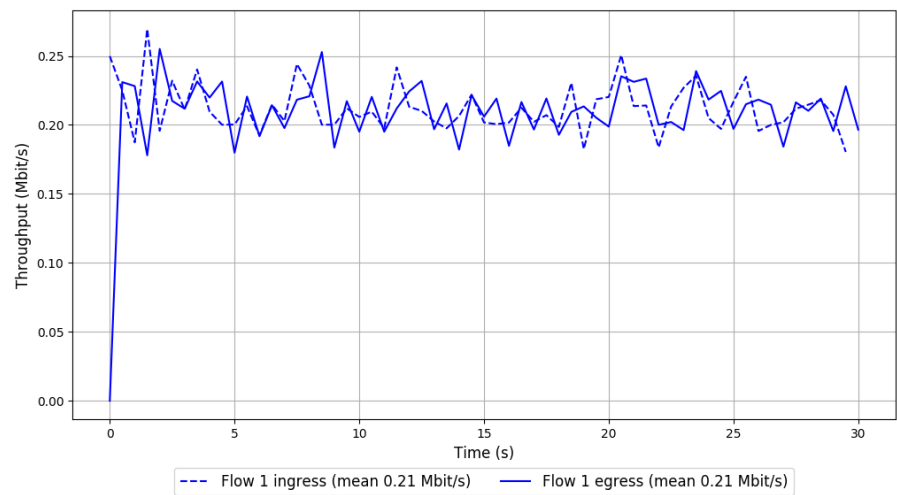


```
Run 1: Statistics of SCReAM

Start at: 2018-07-26 12:28:53
End at: 2018-07-26 12:29:23
Local clock offset: -0.107 ms
Remote clock offset: 0.021 ms

# Below is generated by plot.py at 2018-07-26 17:57:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.585 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.585 ms
Loss rate: 0.00%
```


Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-07-26 12:50:44

End at: 2018-07-26 12:51:14

Local clock offset: -0.08 ms

Remote clock offset: 1.247 ms

Below is generated by plot.py at 2018-07-26 17:57:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 60.173 ms

Loss rate: 0.00%

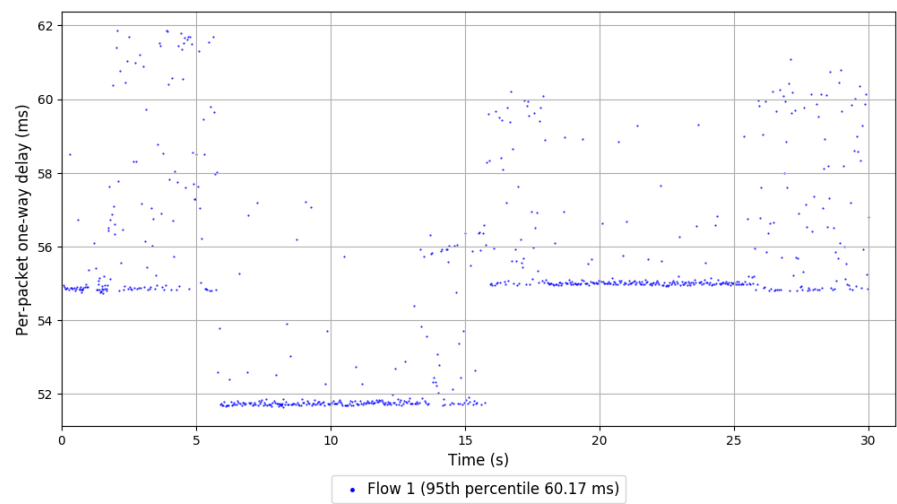
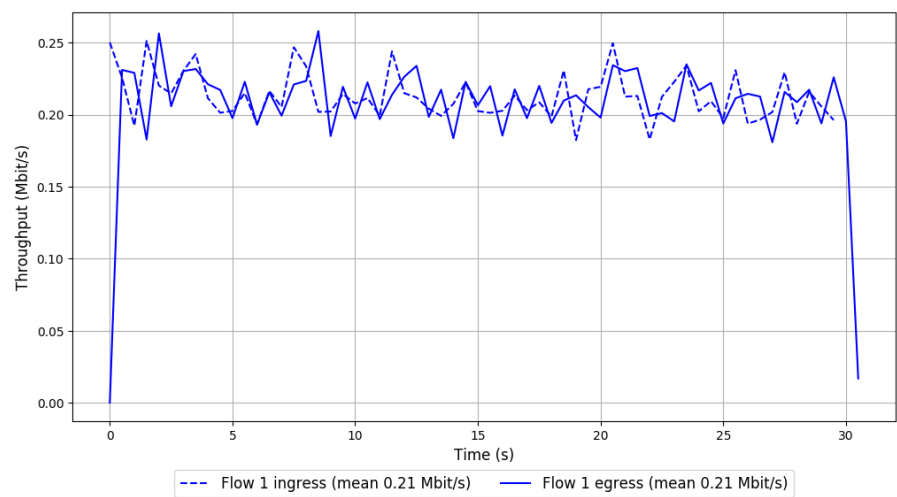
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 60.173 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-07-26 13:12:53

End at: 2018-07-26 13:13:23

Local clock offset: 0.061 ms

Remote clock offset: 0.218 ms

Below is generated by plot.py at 2018-07-26 17:57:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.926 ms

Loss rate: 0.00%

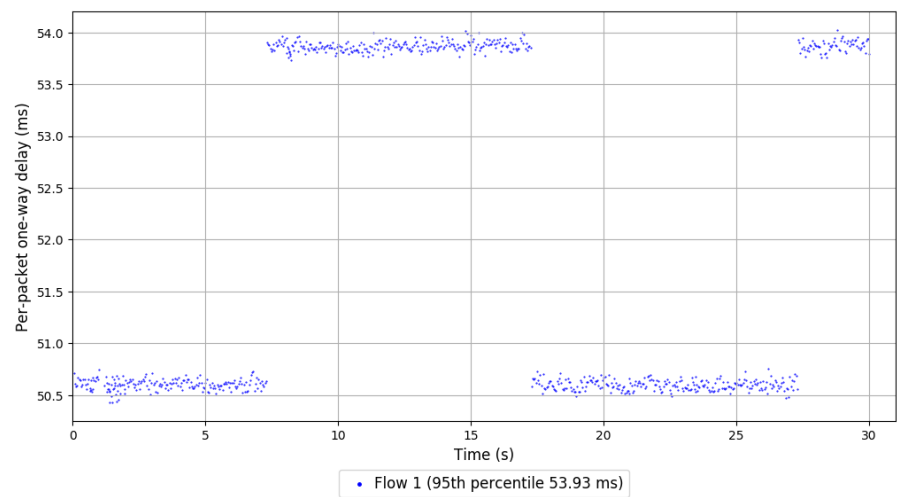
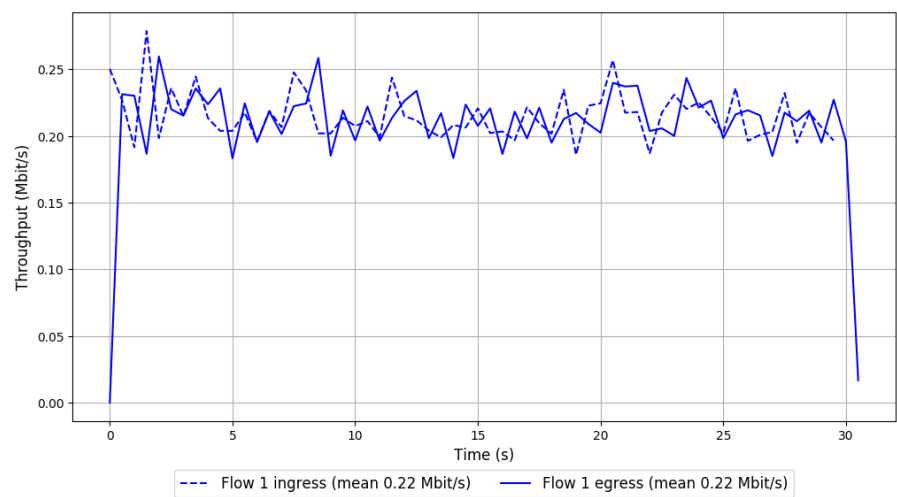
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.926 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-07-26 13:34:52

End at: 2018-07-26 13:35:22

Local clock offset: -0.017 ms

Remote clock offset: 0.114 ms

Below is generated by plot.py at 2018-07-26 17:57:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.899 ms

Loss rate: 0.00%

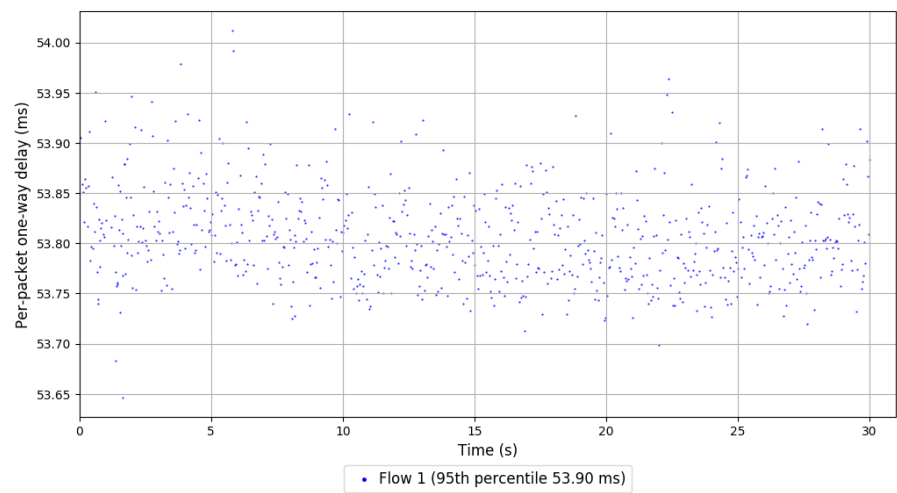
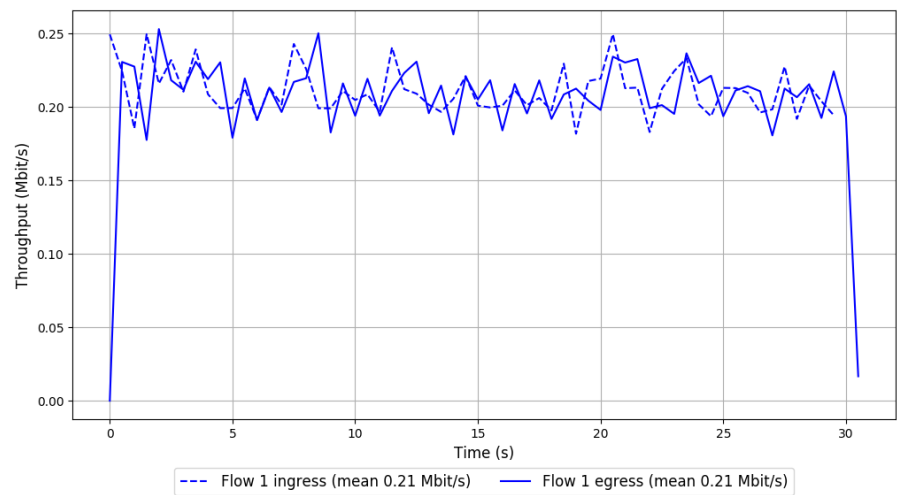
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.899 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

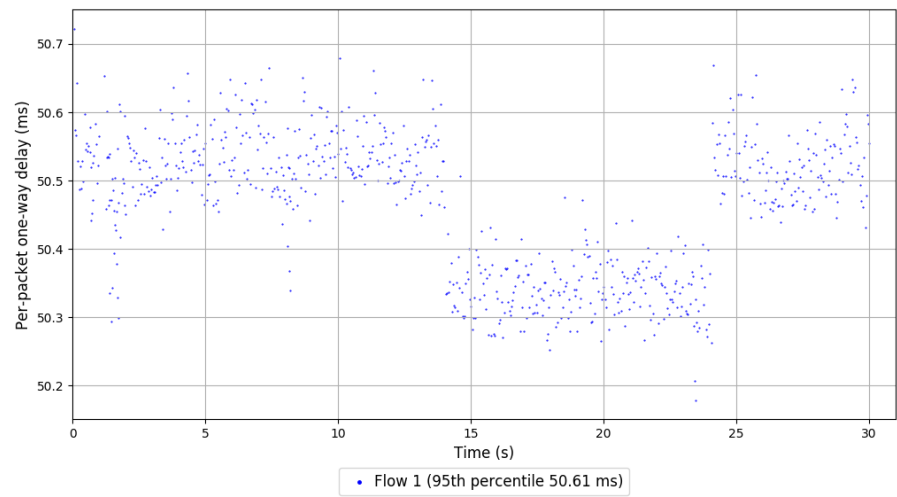
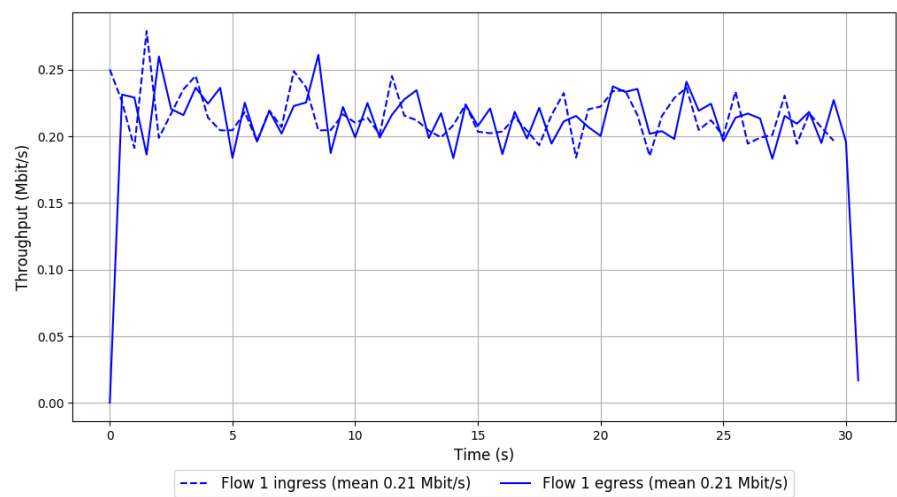


Run 5: Statistics of SCReAM

Start at: 2018-07-26 13:56:36
End at: 2018-07-26 13:57:06
Local clock offset: 0.17 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-26 17:57:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.608 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.608 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-07-26 14:18:10

End at: 2018-07-26 14:18:40

Local clock offset: 0.04 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-26 17:57:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.881 ms

Loss rate: 0.00%

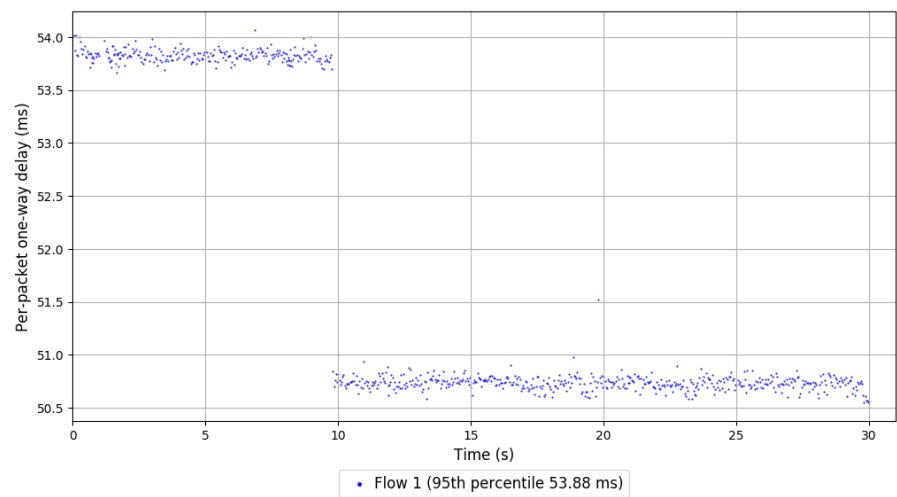
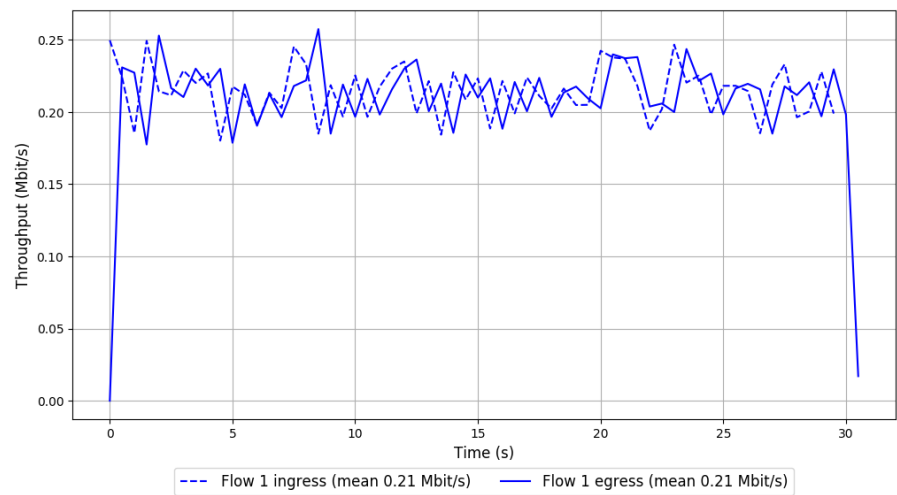
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.881 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

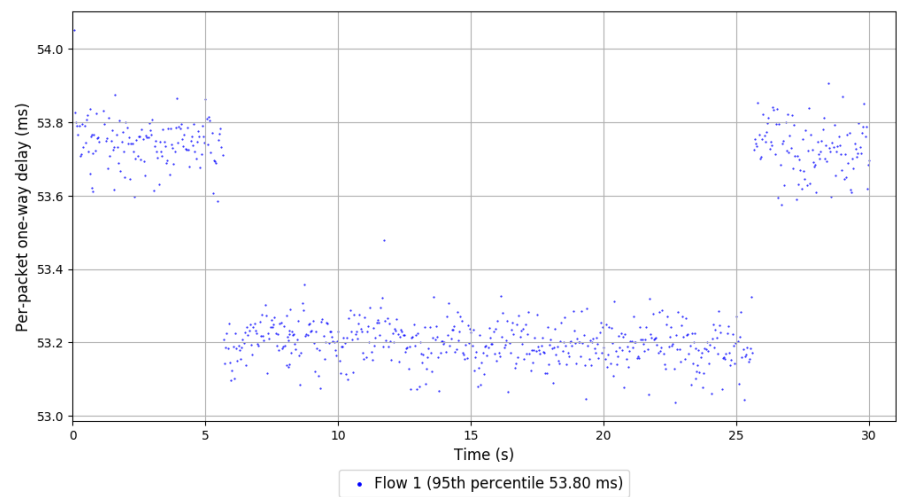
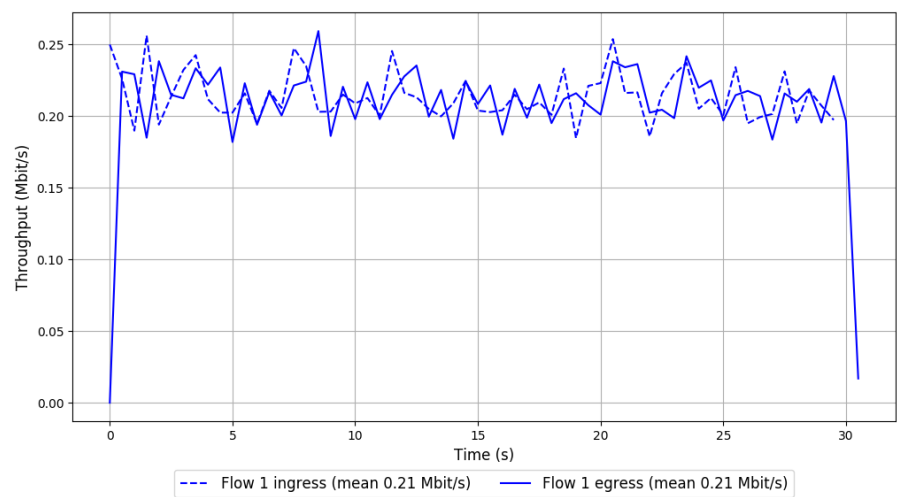


Run 7: Statistics of SCReAM

Start at: 2018-07-26 14:40:04
End at: 2018-07-26 14:40:34
Local clock offset: -0.001 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-26 17:57:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.795 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.795 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-07-26 15:02:28

End at: 2018-07-26 15:02:59

Local clock offset: -0.071 ms

Remote clock offset: 0.051 ms

Below is generated by plot.py at 2018-07-26 17:57:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.546 ms

Loss rate: 0.00%

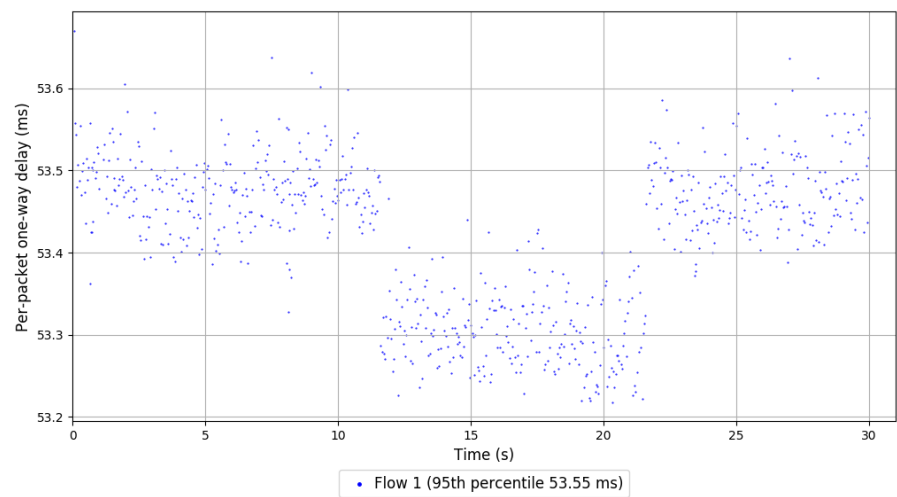
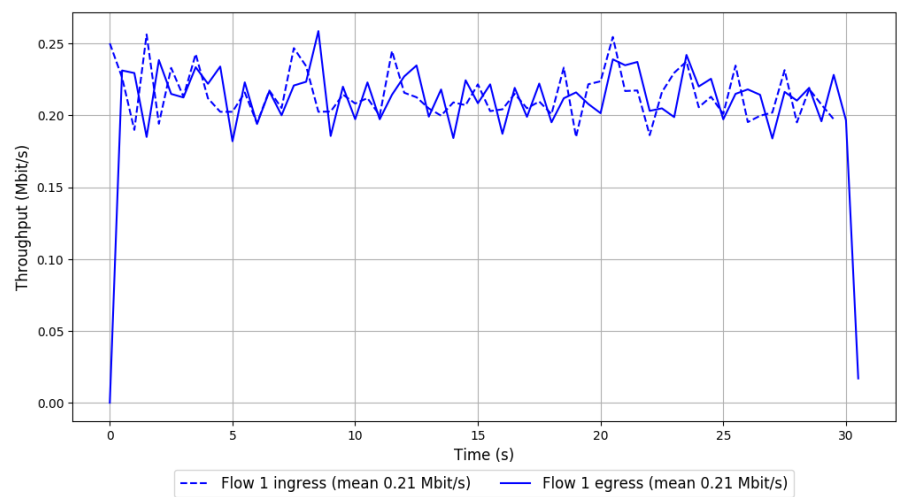
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.546 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

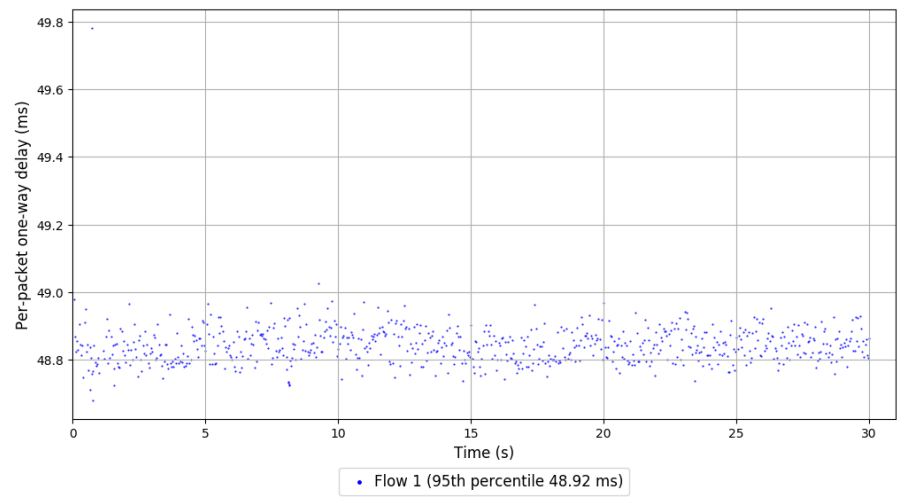
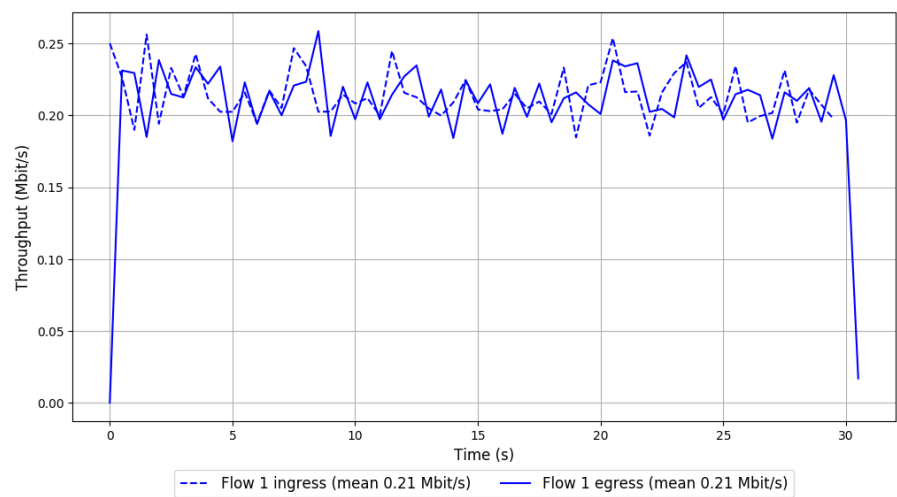


Run 9: Statistics of SCReAM

Start at: 2018-07-26 15:24:13
End at: 2018-07-26 15:24:44
Local clock offset: 0.146 ms
Remote clock offset: -1.429 ms

Below is generated by plot.py at 2018-07-26 17:57:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 48.924 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 48.924 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

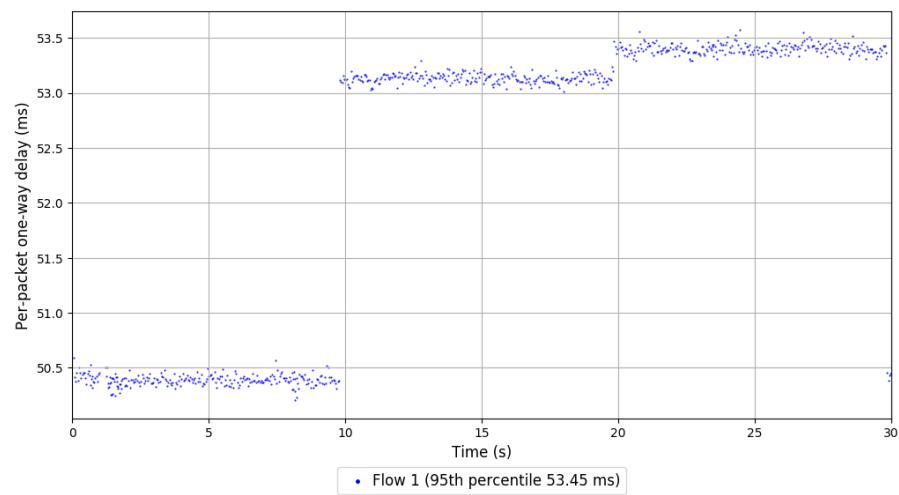
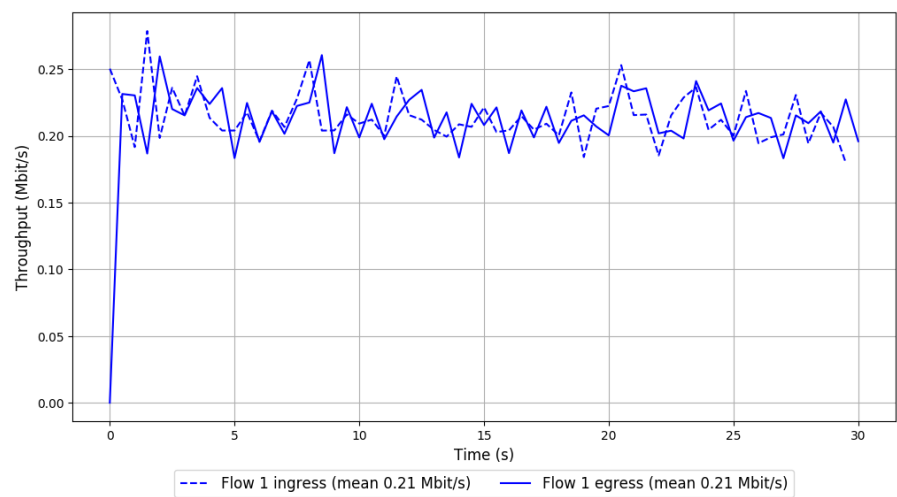


Run 10: Statistics of SReAM

Start at: 2018-07-26 15:46:00
End at: 2018-07-26 15:46:30
Local clock offset: -0.033 ms
Remote clock offset: -0.143 ms

Below is generated by plot.py at 2018-07-26 17:57:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.450 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.450 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

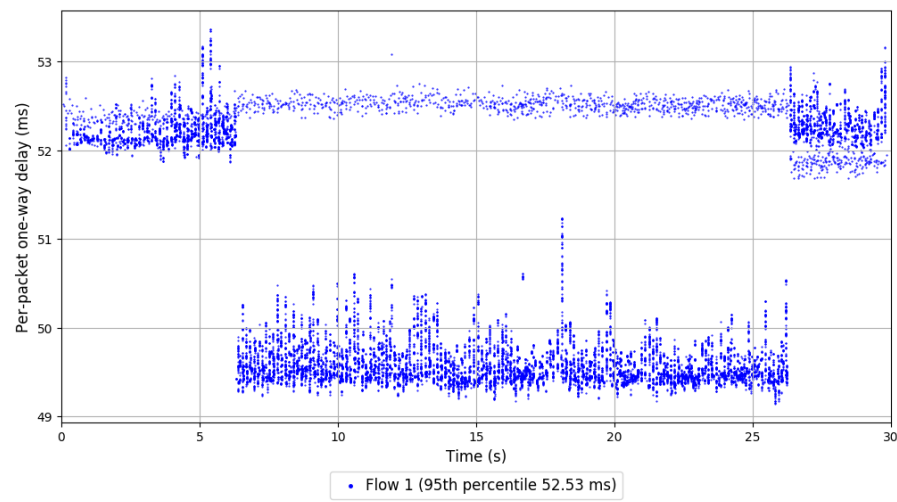
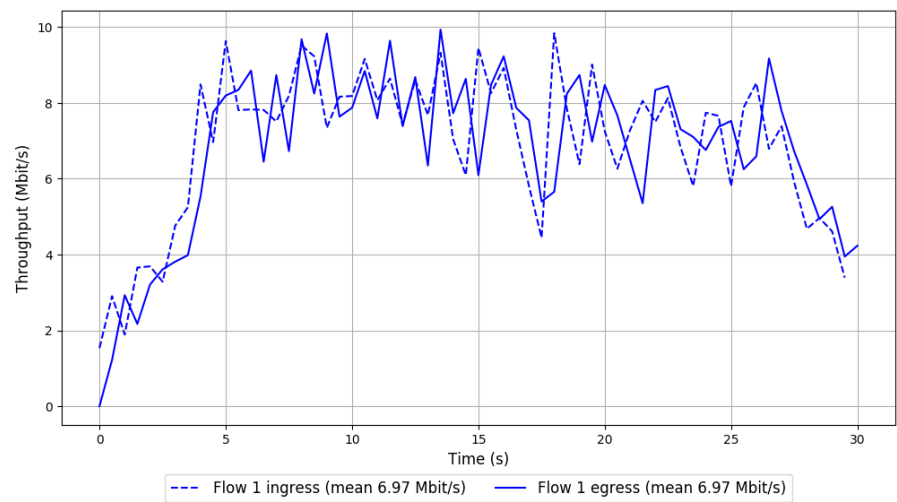


Run 1: Statistics of Sprout

Start at: 2018-07-26 12:23:44
End at: 2018-07-26 12:24:14
Local clock offset: -0.113 ms
Remote clock offset: -1.343 ms

Below is generated by plot.py at 2018-07-26 17:57:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.97 Mbit/s
95th percentile per-packet one-way delay: 52.527 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.97 Mbit/s
95th percentile per-packet one-way delay: 52.527 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

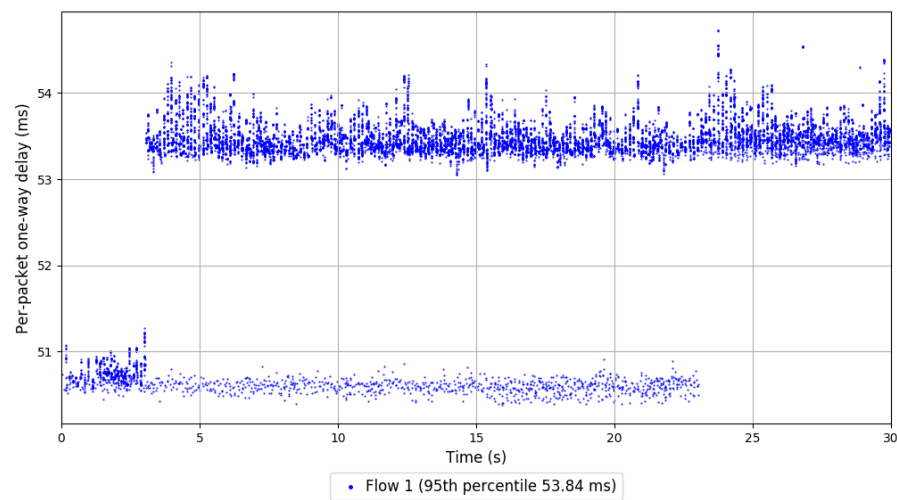
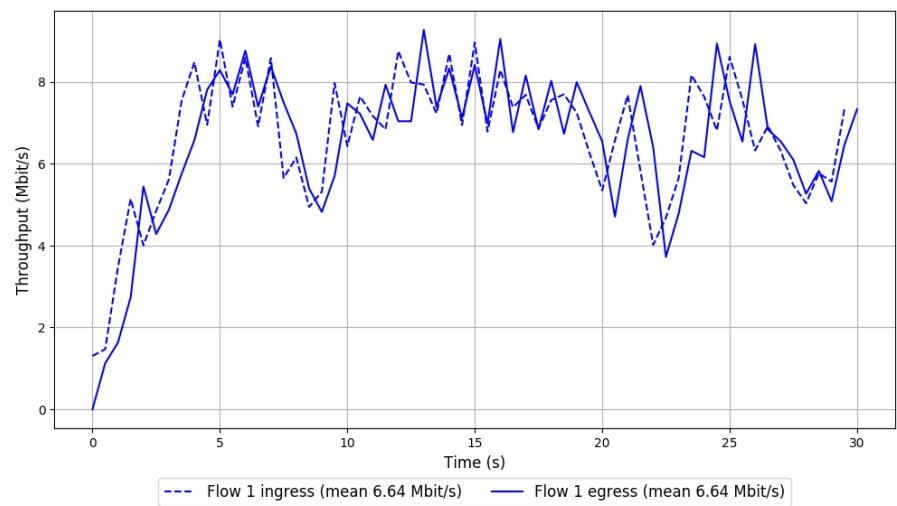


Run 2: Statistics of Sprout

Start at: 2018-07-26 12:45:27
End at: 2018-07-26 12:45:57
Local clock offset: -0.036 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-26 17:57:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.64 Mbit/s
95th percentile per-packet one-way delay: 53.842 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.64 Mbit/s
95th percentile per-packet one-way delay: 53.842 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

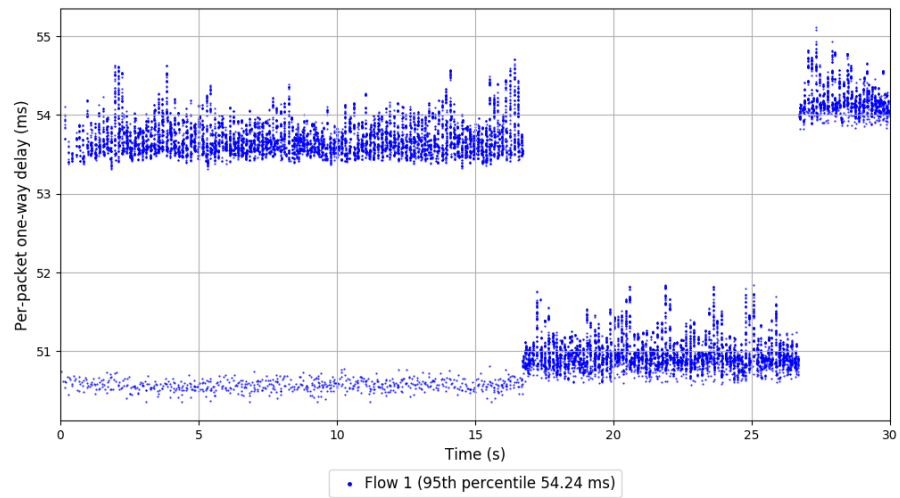
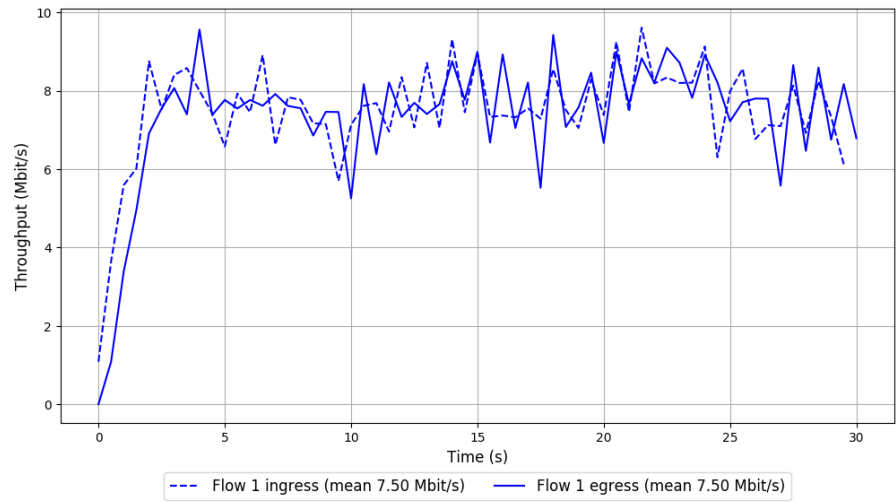


Run 3: Statistics of Sprout

Start at: 2018-07-26 13:07:33
End at: 2018-07-26 13:08:03
Local clock offset: -0.27 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-07-26 17:57:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.50 Mbit/s
95th percentile per-packet one-way delay: 54.241 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.50 Mbit/s
95th percentile per-packet one-way delay: 54.241 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-07-26 13:29:33

End at: 2018-07-26 13:30:03

Local clock offset: -0.076 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-07-26 17:57:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.89 Mbit/s

95th percentile per-packet one-way delay: 54.209 ms

Loss rate: 0.00%

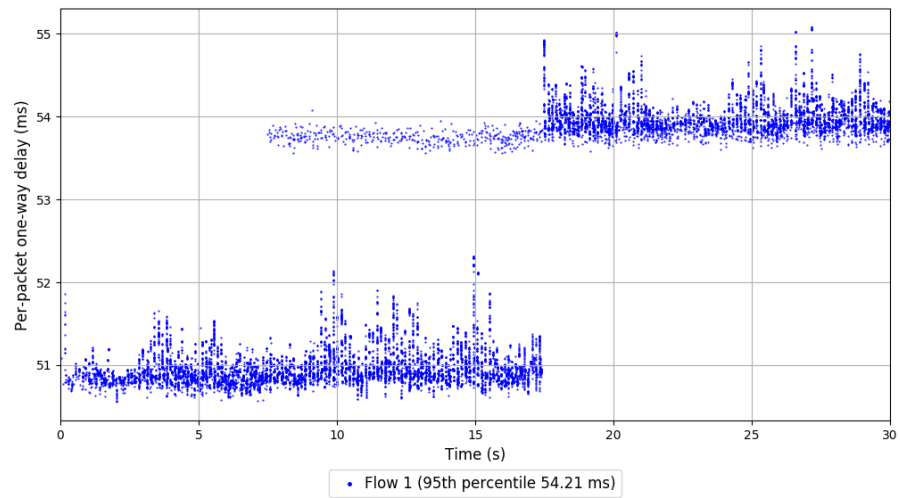
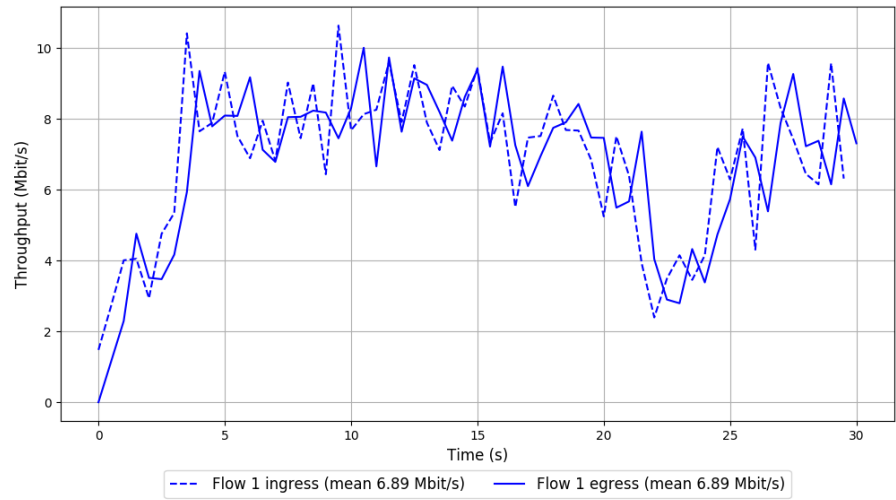
-- Flow 1:

Average throughput: 6.89 Mbit/s

95th percentile per-packet one-way delay: 54.209 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

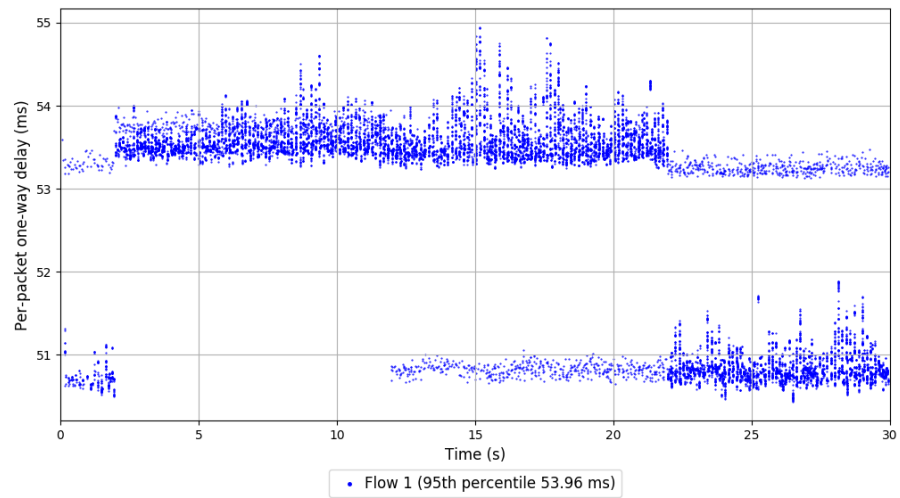
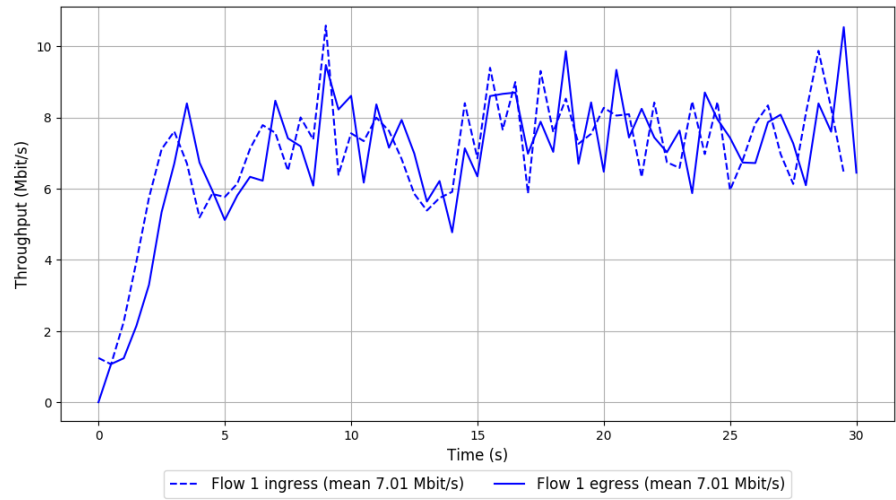


Run 5: Statistics of Sprout

Start at: 2018-07-26 13:51:38
End at: 2018-07-26 13:52:08
Local clock offset: -0.019 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-26 17:57:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.01 Mbit/s
95th percentile per-packet one-way delay: 53.956 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.01 Mbit/s
95th percentile per-packet one-way delay: 53.956 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-07-26 14:13:14

End at: 2018-07-26 14:13:44

Local clock offset: -0.018 ms

Remote clock offset: 0.141 ms

Below is generated by plot.py at 2018-07-26 17:57:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.46 Mbit/s

95th percentile per-packet one-way delay: 54.651 ms

Loss rate: 0.00%

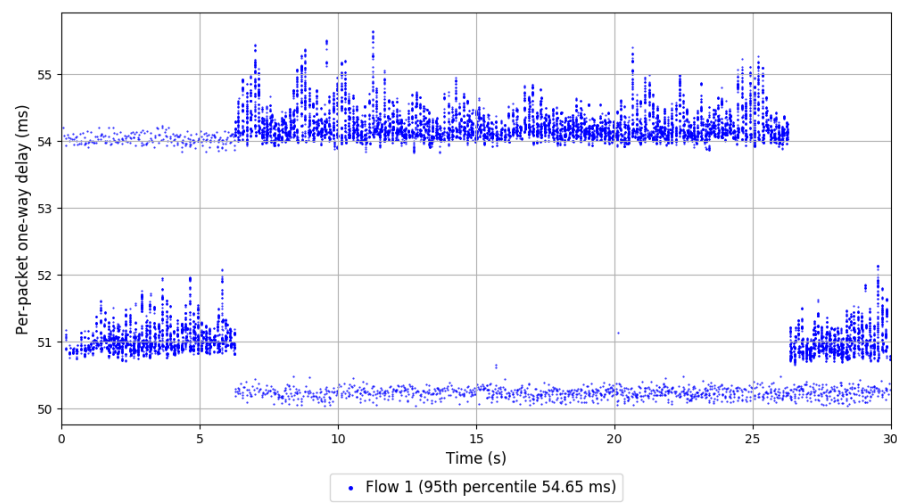
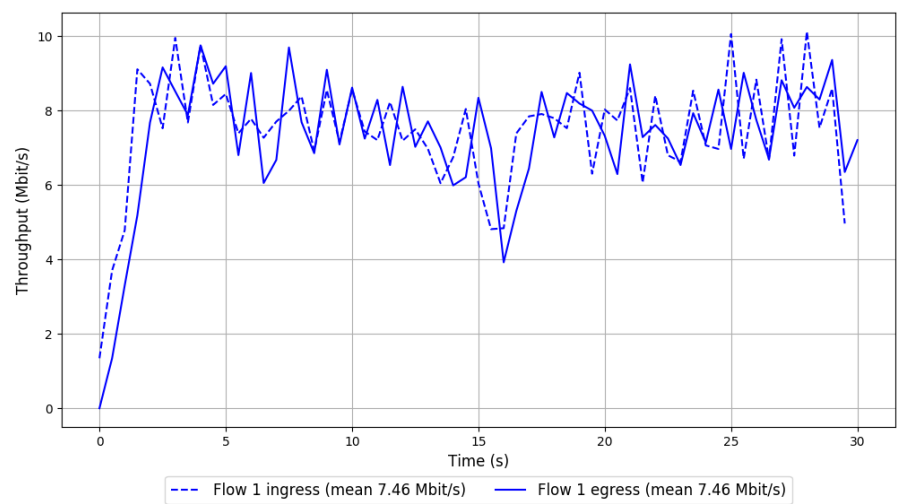
-- Flow 1:

Average throughput: 7.46 Mbit/s

95th percentile per-packet one-way delay: 54.651 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-07-26 14:35:02

End at: 2018-07-26 14:35:32

Local clock offset: 0.052 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-07-26 17:57:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.92 Mbit/s

95th percentile per-packet one-way delay: 53.982 ms

Loss rate: 0.00%

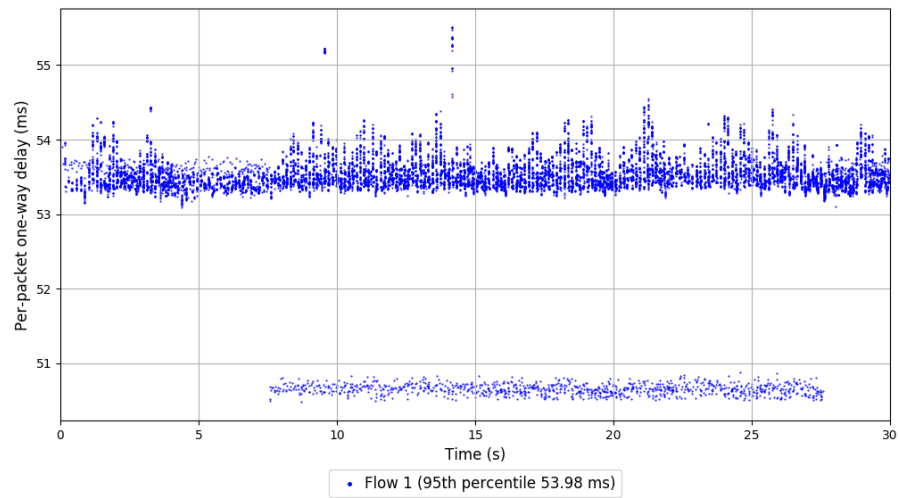
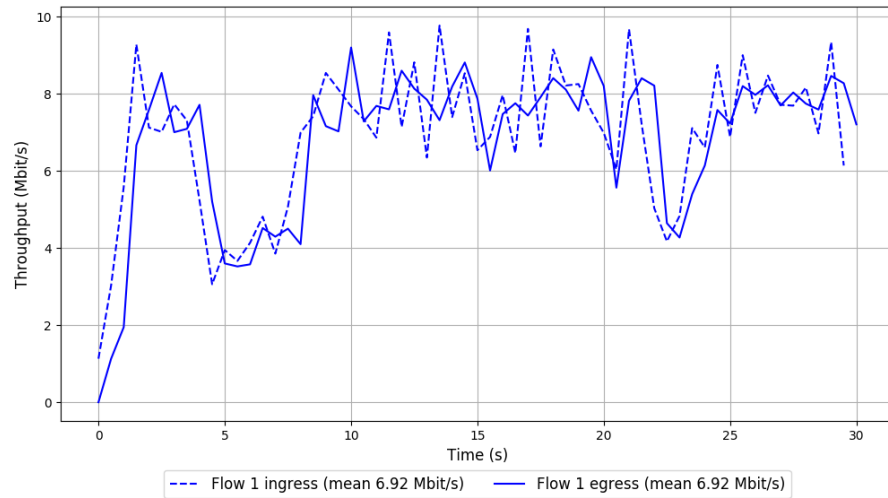
-- Flow 1:

Average throughput: 6.92 Mbit/s

95th percentile per-packet one-way delay: 53.982 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-07-26 14:57:12

End at: 2018-07-26 14:57:42

Local clock offset: 0.145 ms

Remote clock offset: 1.352 ms

Below is generated by plot.py at 2018-07-26 17:57:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.00 Mbit/s

95th percentile per-packet one-way delay: 55.026 ms

Loss rate: 0.00%

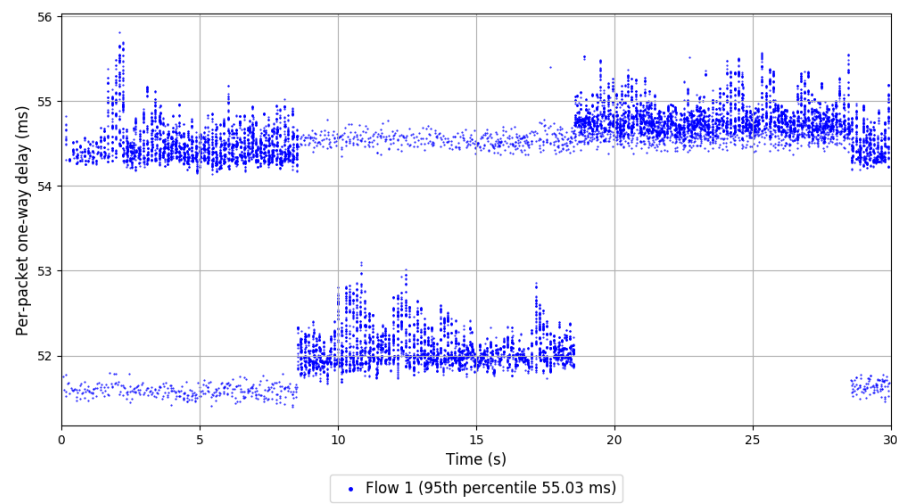
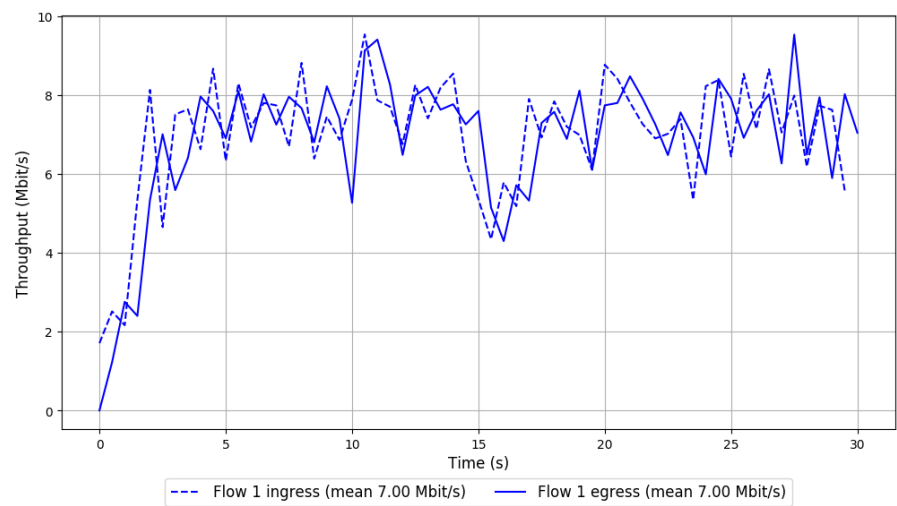
-- Flow 1:

Average throughput: 7.00 Mbit/s

95th percentile per-packet one-way delay: 55.026 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

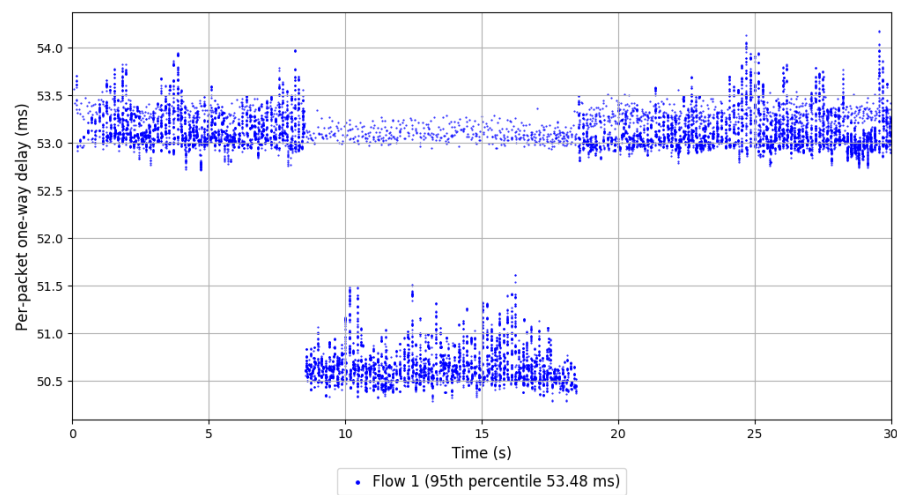
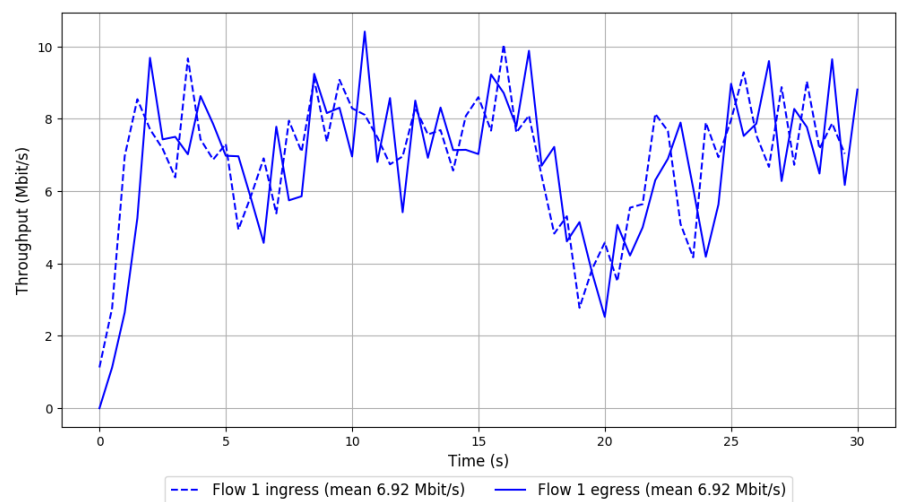


Run 9: Statistics of Sprout

Start at: 2018-07-26 15:19:12
End at: 2018-07-26 15:19:42
Local clock offset: 0.154 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-26 17:57:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.92 Mbit/s
95th percentile per-packet one-way delay: 53.484 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.92 Mbit/s
95th percentile per-packet one-way delay: 53.484 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

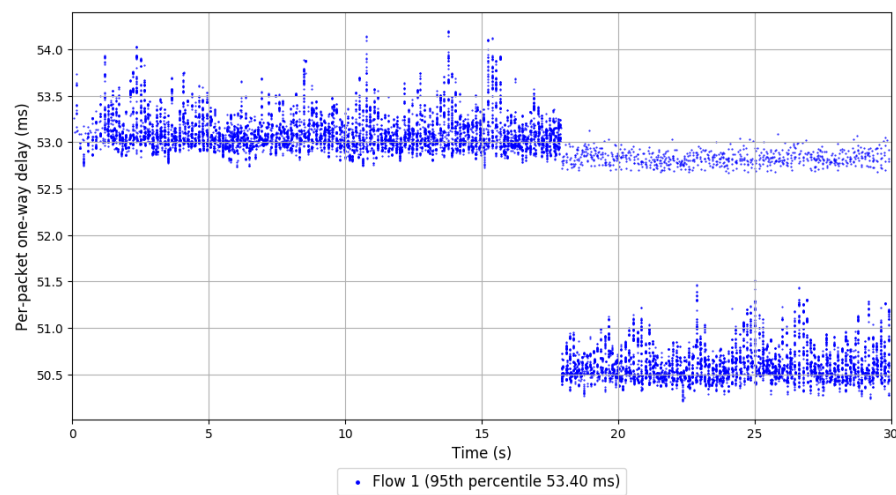
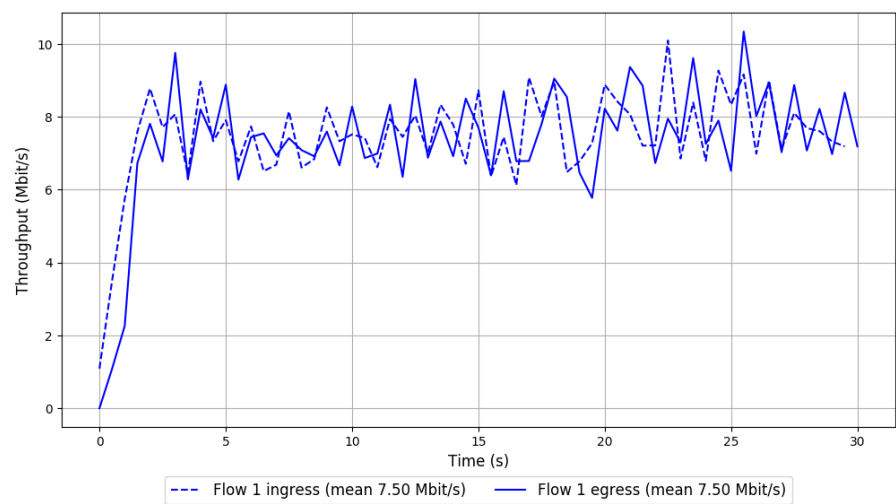


Run 10: Statistics of Sprout

Start at: 2018-07-26 15:40:42
End at: 2018-07-26 15:41:12
Local clock offset: -0.039 ms
Remote clock offset: -0.358 ms

Below is generated by plot.py at 2018-07-26 17:57:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.50 Mbit/s
95th percentile per-packet one-way delay: 53.403 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.50 Mbit/s
95th percentile per-packet one-way delay: 53.403 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

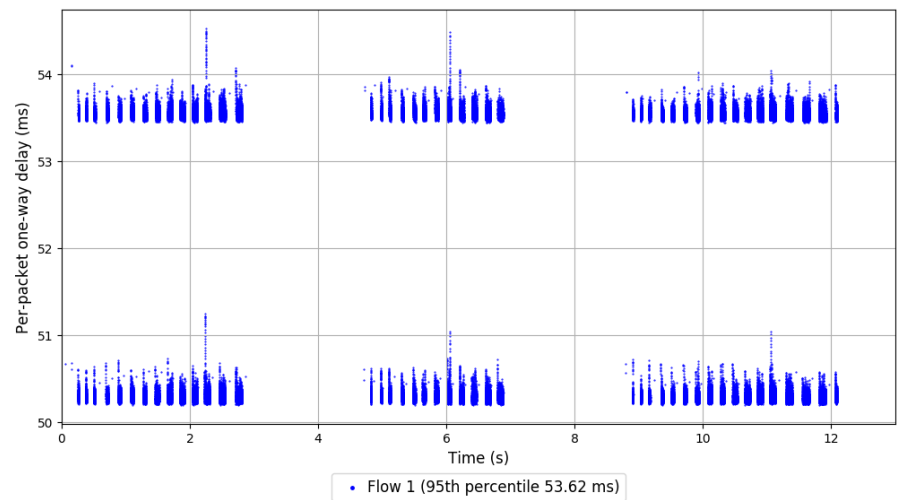
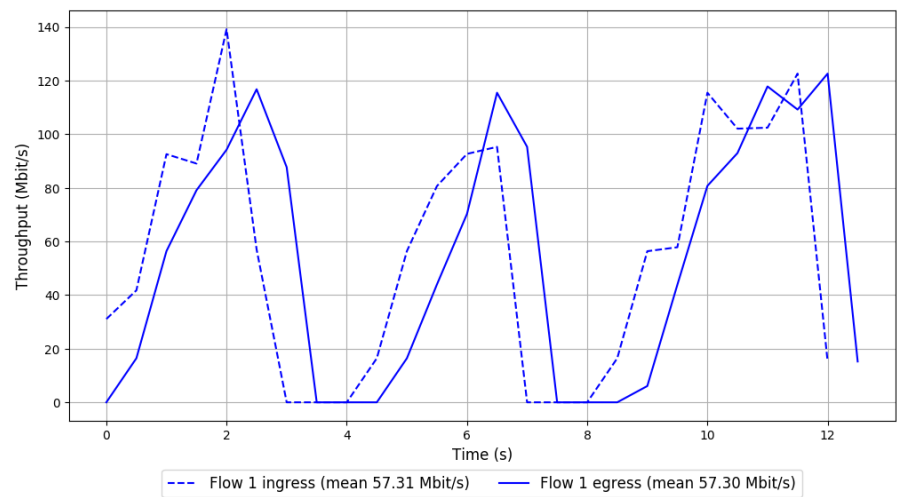
Start at: 2018-07-26 12:16:00

End at: 2018-07-26 12:16:30

Local clock offset: 0.094 ms

Remote clock offset: 0.156 ms

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

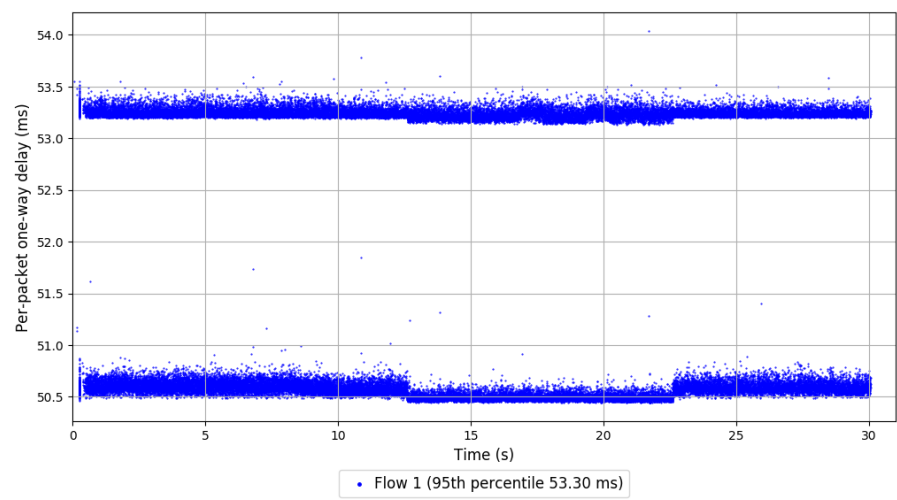
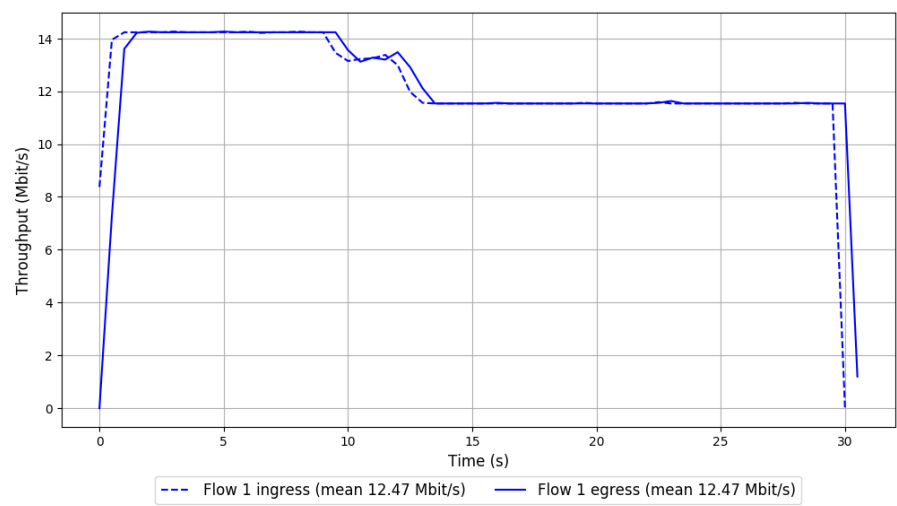


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-26 12:37:47
End at: 2018-07-26 12:38:18
Local clock offset: -0.226 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-07-26 17:57:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.47 Mbit/s
95th percentile per-packet one-way delay: 53.305 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.47 Mbit/s
95th percentile per-packet one-way delay: 53.305 ms
Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-26 12:59:44

End at: 2018-07-26 13:00:14

Local clock offset: 0.042 ms

Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-07-26 17:57:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 140.11 Mbit/s

95th percentile per-packet one-way delay: 50.443 ms

Loss rate: 0.00%

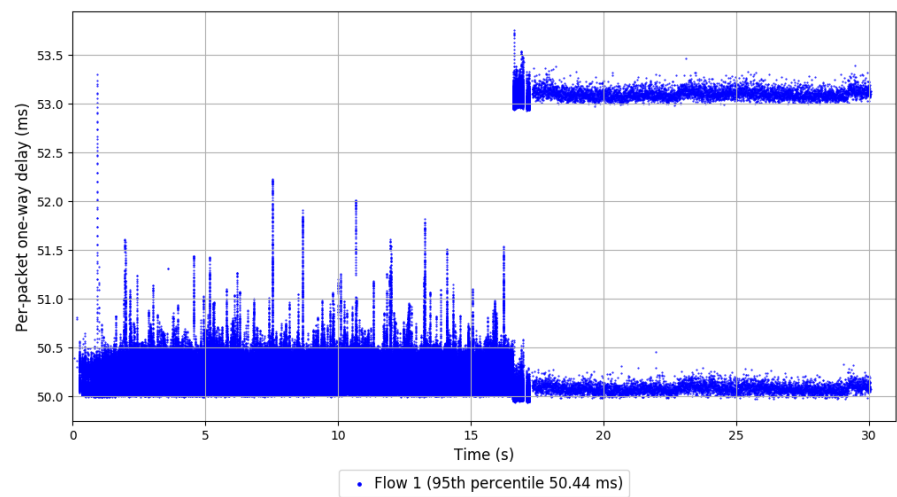
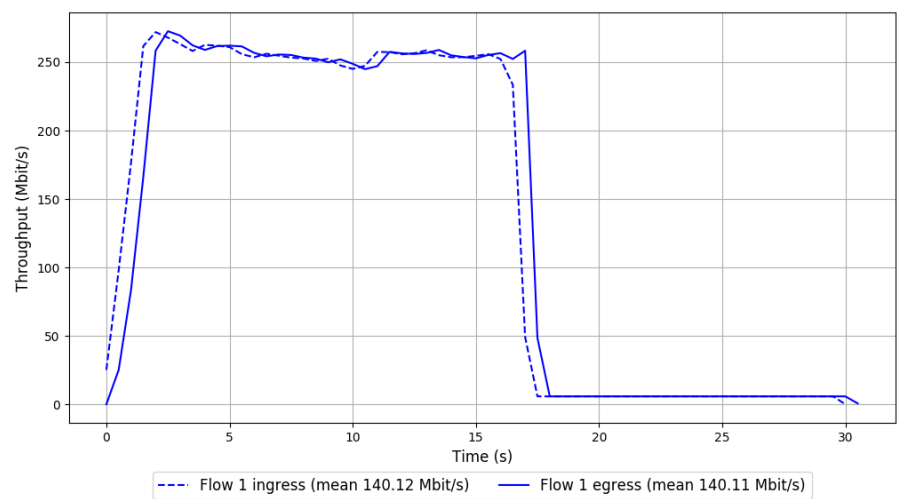
-- Flow 1:

Average throughput: 140.11 Mbit/s

95th percentile per-packet one-way delay: 50.443 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

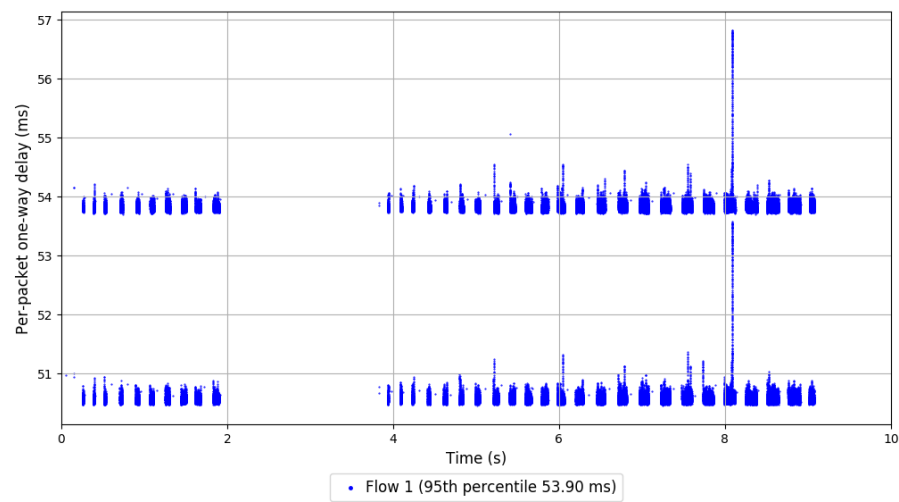
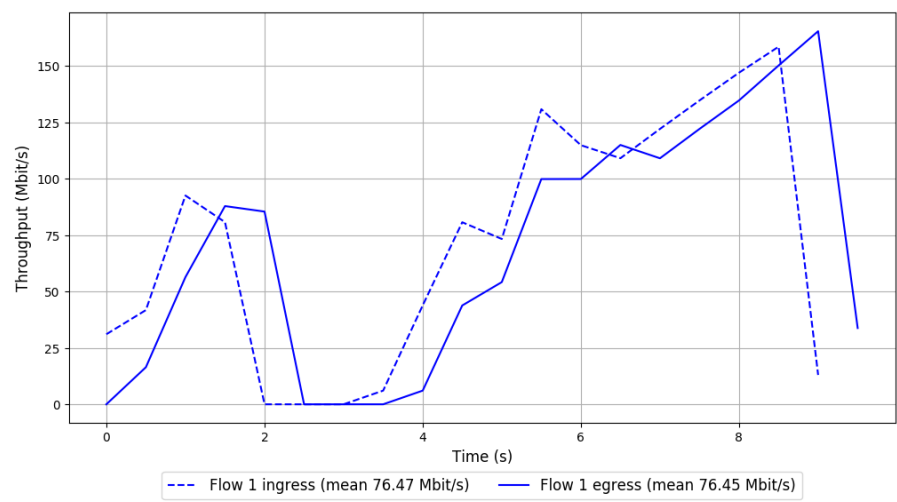
Start at: 2018-07-26 13:22:01

End at: 2018-07-26 13:22:31

Local clock offset: -0.178 ms

Remote clock offset: 0.103 ms

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-26 13:44:03

End at: 2018-07-26 13:44:33

Local clock offset: 0.017 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-07-26 17:57:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.55 Mbit/s

95th percentile per-packet one-way delay: 53.663 ms

Loss rate: 0.00%

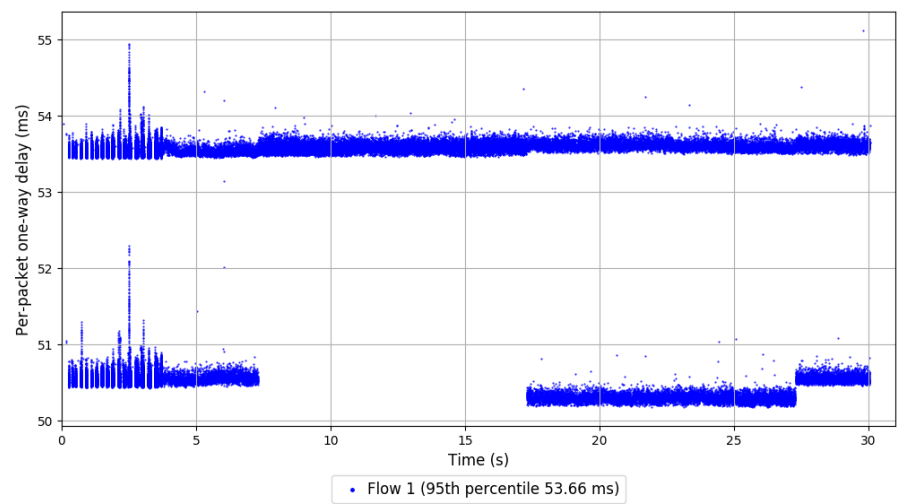
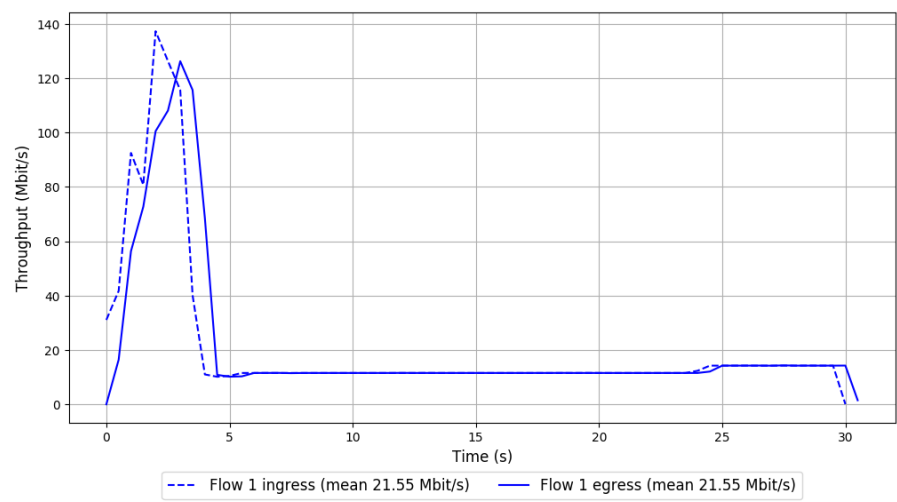
-- Flow 1:

Average throughput: 21.55 Mbit/s

95th percentile per-packet one-way delay: 53.663 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-26 14:05:27

End at: 2018-07-26 14:05:57

Local clock offset: -0.051 ms

Remote clock offset: 0.171 ms

Below is generated by plot.py at 2018-07-26 17:57:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 130.89 Mbit/s

95th percentile per-packet one-way delay: 50.866 ms

Loss rate: 0.00%

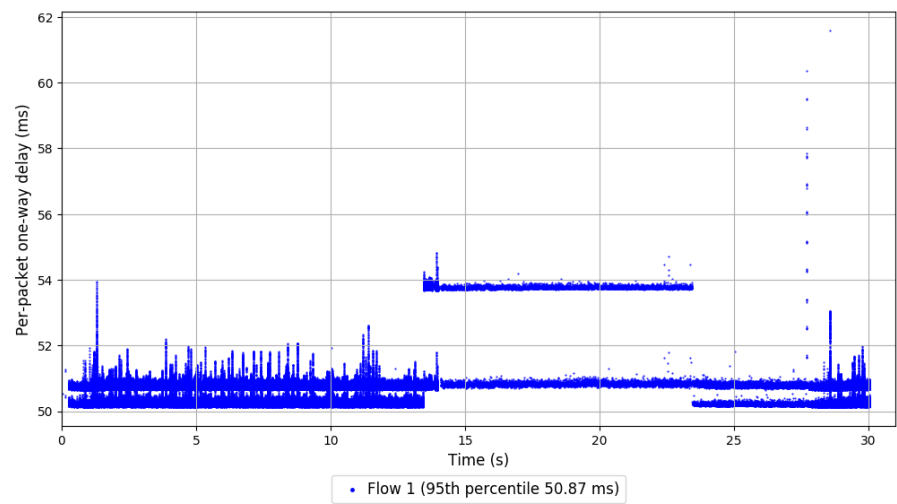
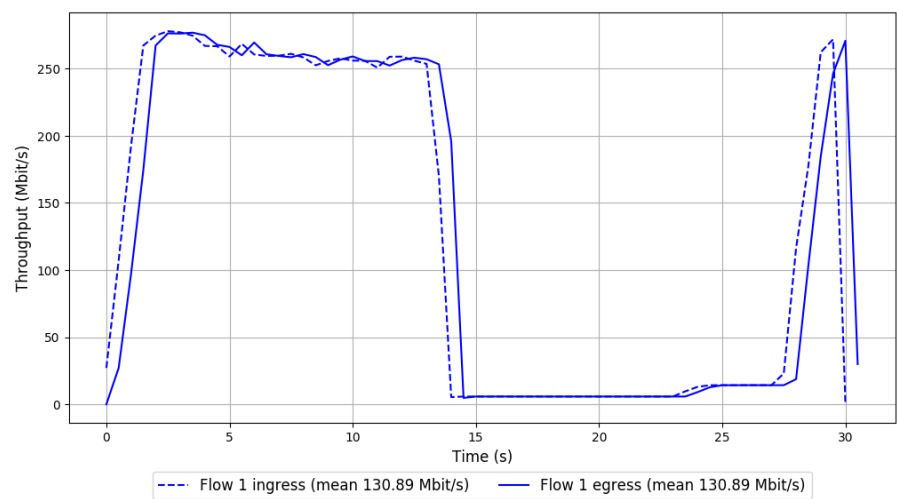
-- Flow 1:

Average throughput: 130.89 Mbit/s

95th percentile per-packet one-way delay: 50.866 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-26 14:27:16

End at: 2018-07-26 14:27:46

Local clock offset: 0.002 ms

Remote clock offset: 0.135 ms

Below is generated by plot.py at 2018-07-26 17:57:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.91 Mbit/s

95th percentile per-packet one-way delay: 53.775 ms

Loss rate: 0.00%

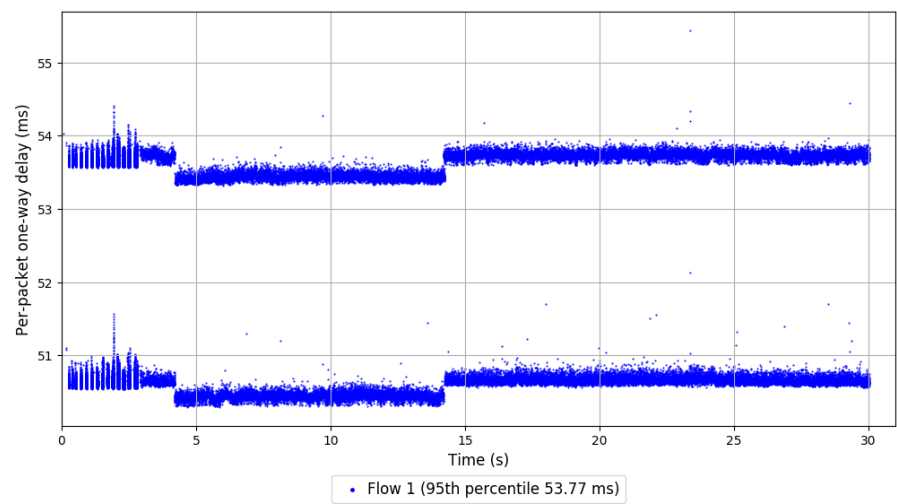
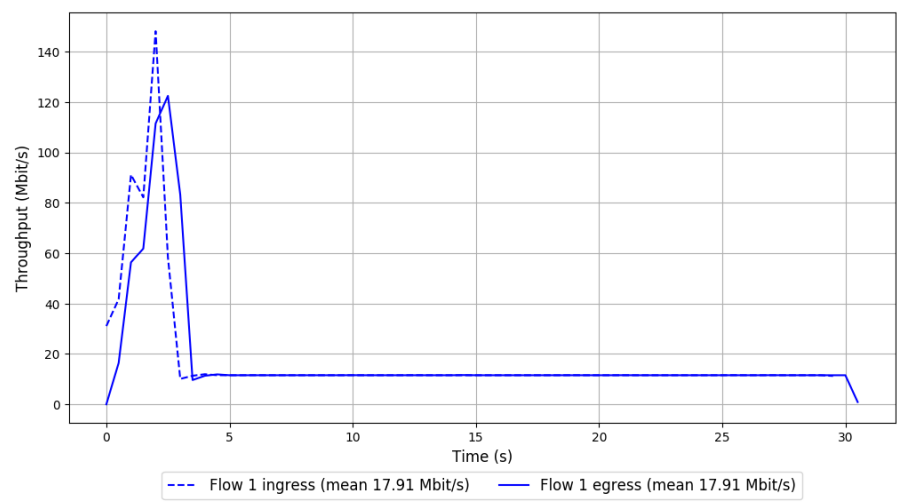
-- Flow 1:

Average throughput: 17.91 Mbit/s

95th percentile per-packet one-way delay: 53.775 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-26 14:49:12

End at: 2018-07-26 14:49:42

Local clock offset: 0.019 ms

Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-26 18:00:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 234.67 Mbit/s

95th percentile per-packet one-way delay: 53.305 ms

Loss rate: 0.00%

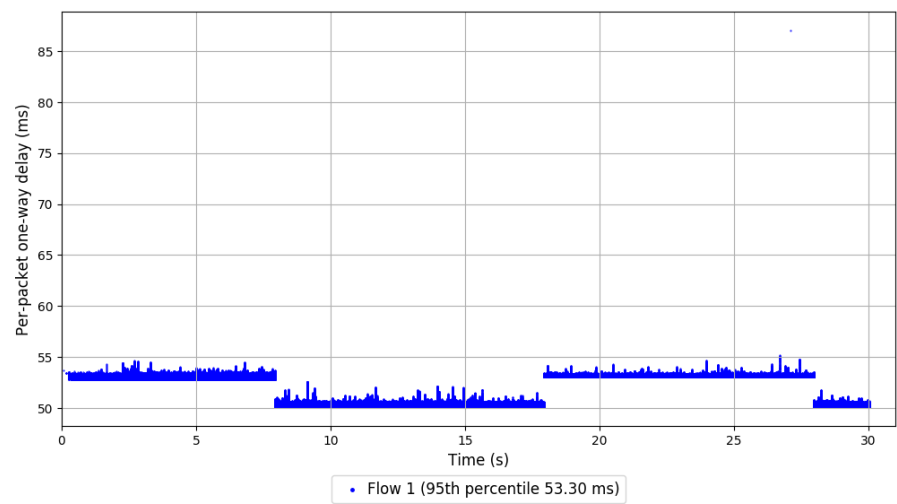
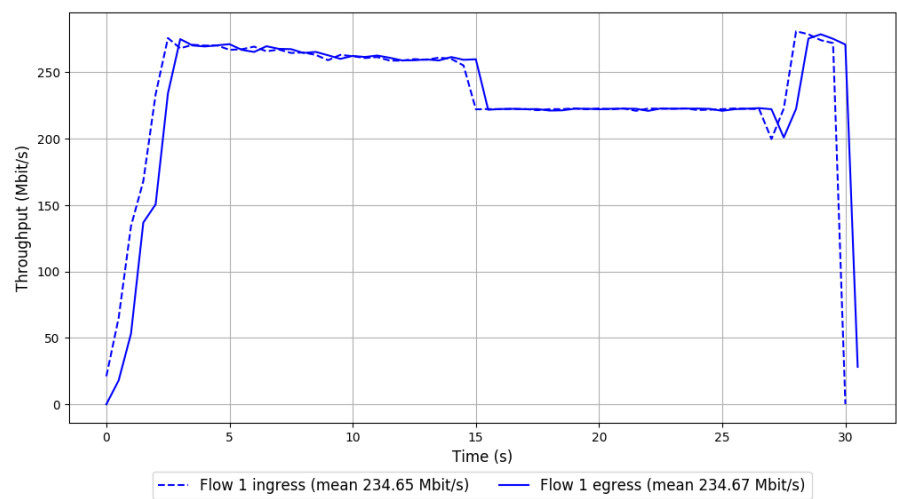
-- Flow 1:

Average throughput: 234.67 Mbit/s

95th percentile per-packet one-way delay: 53.305 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-26 15:11:25

End at: 2018-07-26 15:11:55

Local clock offset: 0.299 ms

Remote clock offset: 0.098 ms

Below is generated by plot.py at 2018-07-26 18:00:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.19 Mbit/s

95th percentile per-packet one-way delay: 52.883 ms

Loss rate: 0.00%

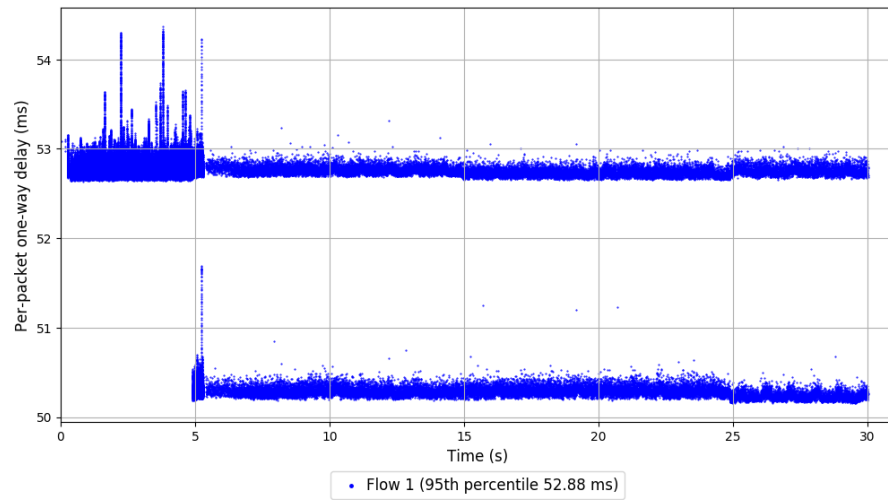
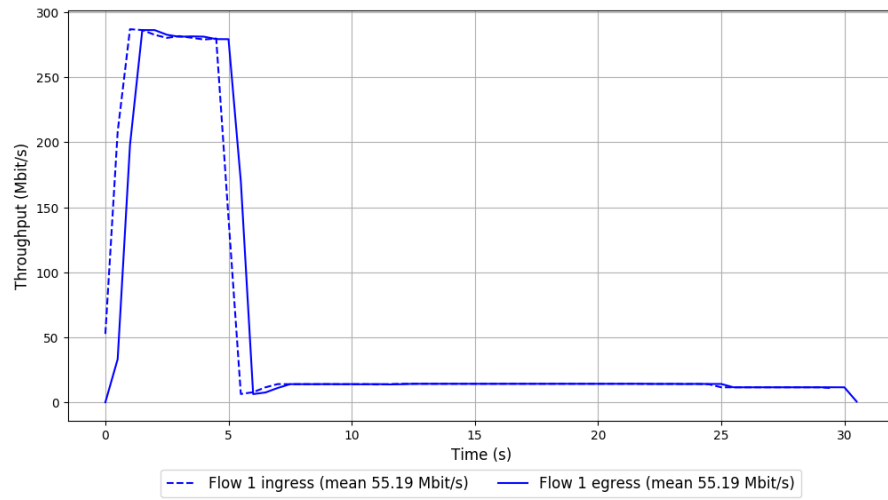
-- Flow 1:

Average throughput: 55.19 Mbit/s

95th percentile per-packet one-way delay: 52.883 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

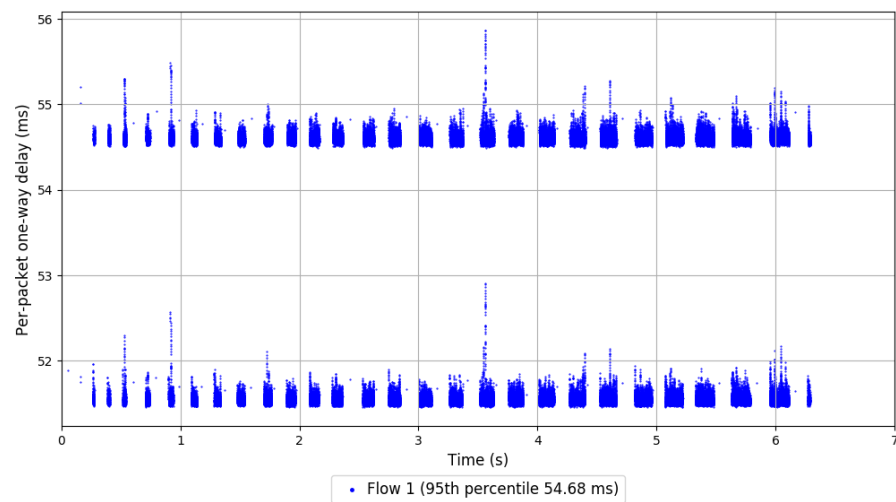
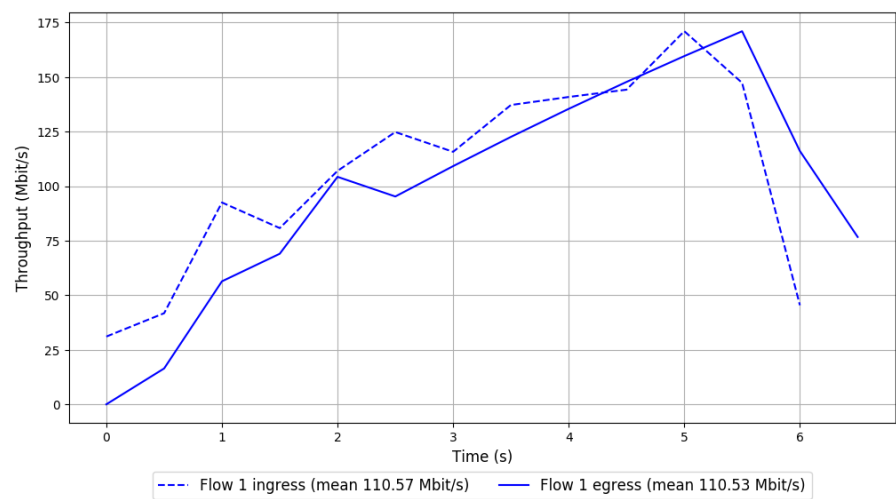
Start at: 2018-07-26 15:33:01

End at: 2018-07-26 15:33:31

Local clock offset: -0.013 ms

Remote clock offset: 1.242 ms

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-26 12:17:07

End at: 2018-07-26 12:17:37

Local clock offset: -0.004 ms

Remote clock offset: 0.212 ms

Below is generated by plot.py at 2018-07-26 18:00:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.30 Mbit/s

95th percentile per-packet one-way delay: 60.094 ms

Loss rate: 0.00%

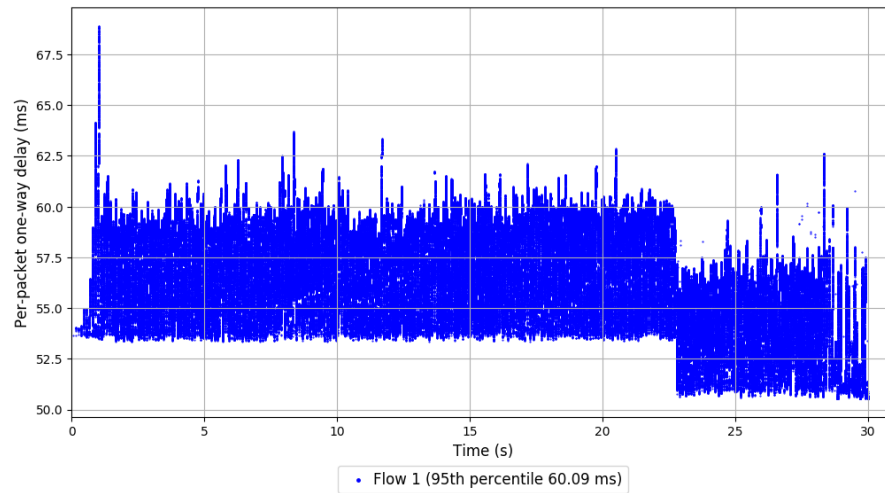
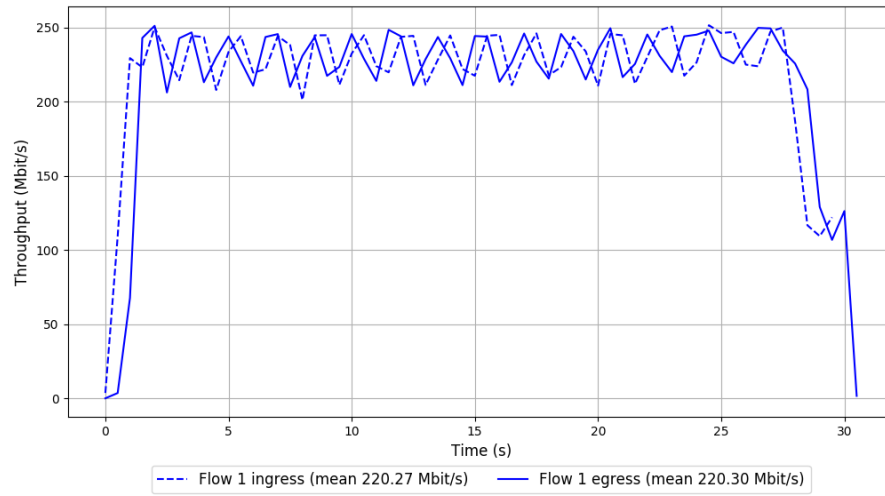
-- Flow 1:

Average throughput: 220.30 Mbit/s

95th percentile per-packet one-way delay: 60.094 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-26 12:38:54

End at: 2018-07-26 12:39:24

Local clock offset: -0.054 ms

Remote clock offset: 0.201 ms

Below is generated by plot.py at 2018-07-26 18:00:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 108.41 Mbit/s

95th percentile per-packet one-way delay: 54.459 ms

Loss rate: 0.00%

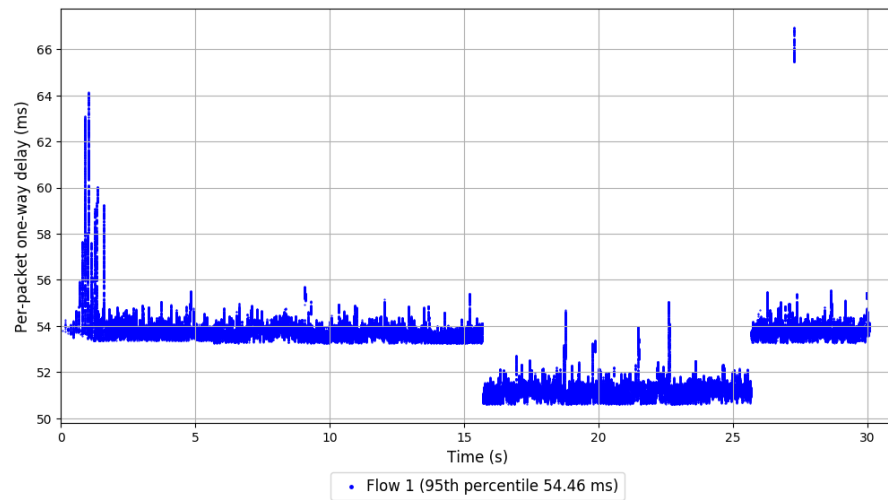
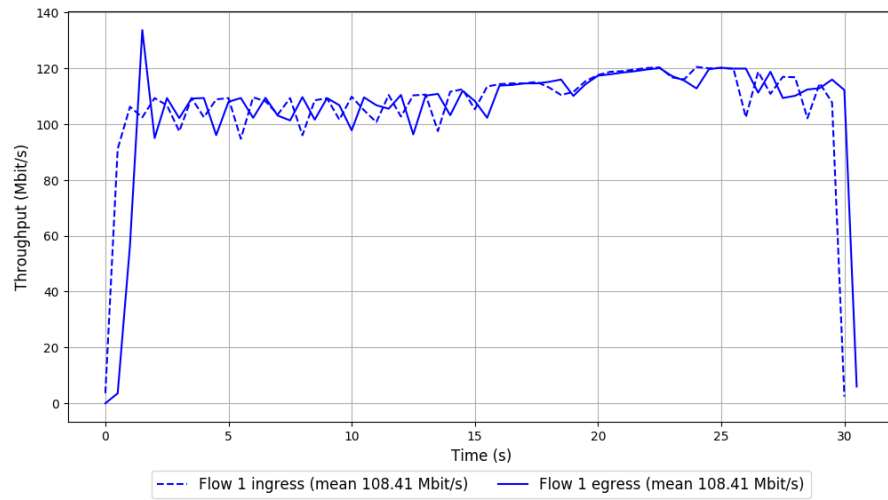
-- Flow 1:

Average throughput: 108.41 Mbit/s

95th percentile per-packet one-way delay: 54.459 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-26 13:01:01

End at: 2018-07-26 13:01:31

Local clock offset: 0.146 ms

Remote clock offset: 1.041 ms

Below is generated by plot.py at 2018-07-26 18:00:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.93 Mbit/s

95th percentile per-packet one-way delay: 55.432 ms

Loss rate: 0.00%

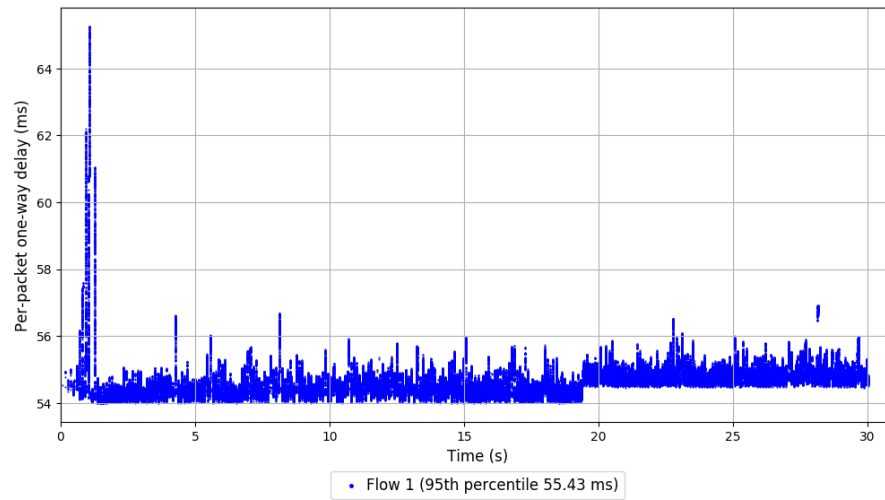
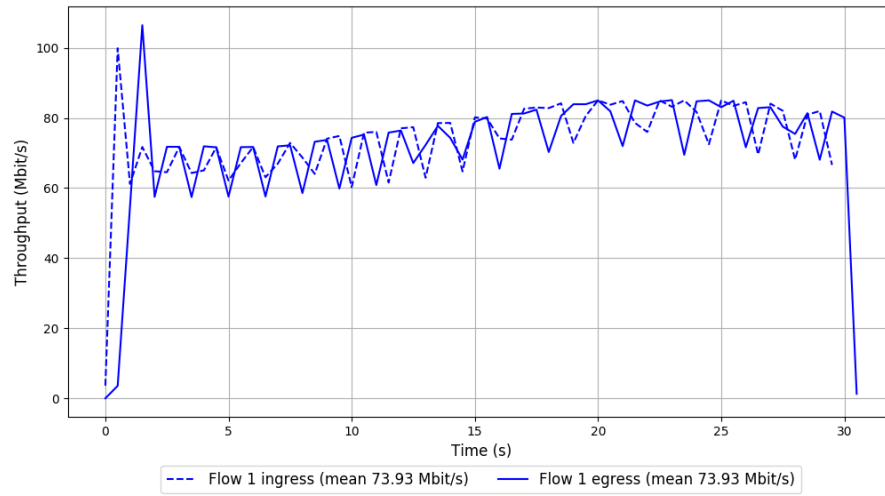
-- Flow 1:

Average throughput: 73.93 Mbit/s

95th percentile per-packet one-way delay: 55.432 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

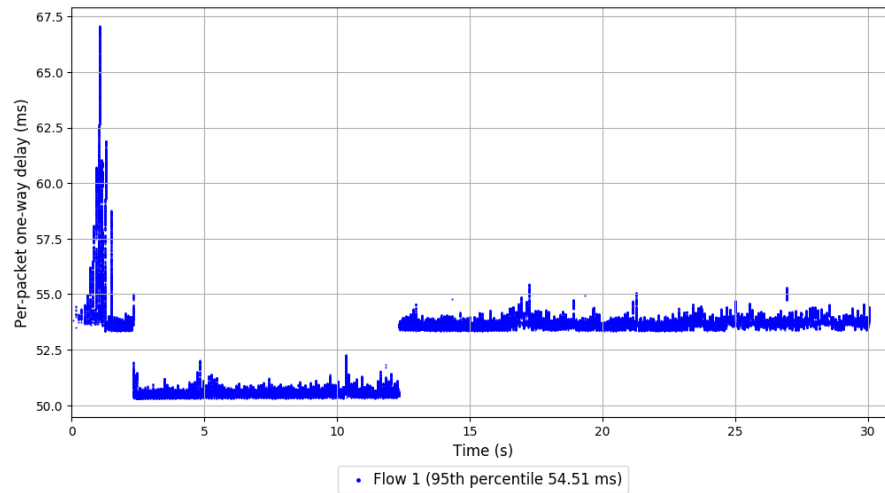
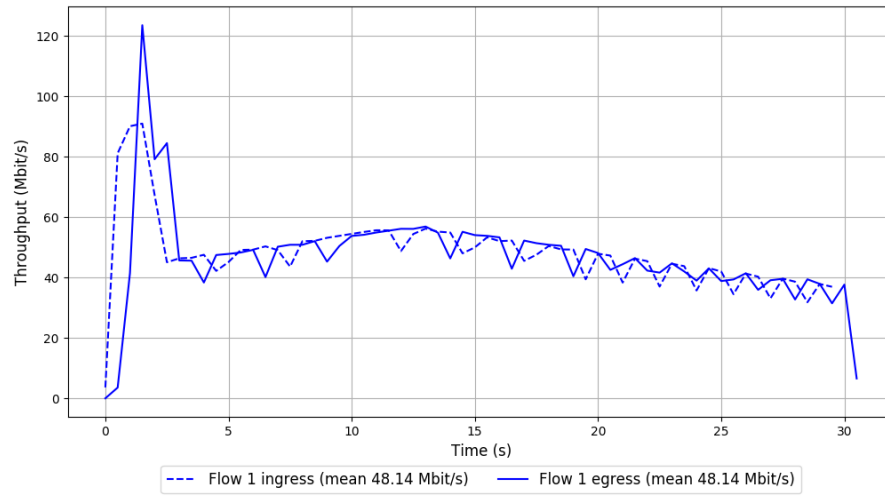


Run 4: Statistics of TCP Vegas

Start at: 2018-07-26 13:23:08
End at: 2018-07-26 13:23:38
Local clock offset: -0.089 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2018-07-26 18:00:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 48.14 Mbit/s
95th percentile per-packet one-way delay: 54.510 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 48.14 Mbit/s
95th percentile per-packet one-way delay: 54.510 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-26 13:45:10

End at: 2018-07-26 13:45:40

Local clock offset: -0.053 ms

Remote clock offset: -0.0 ms

Below is generated by plot.py at 2018-07-26 18:00:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 18.92 Mbit/s

95th percentile per-packet one-way delay: 54.430 ms

Loss rate: 0.00%

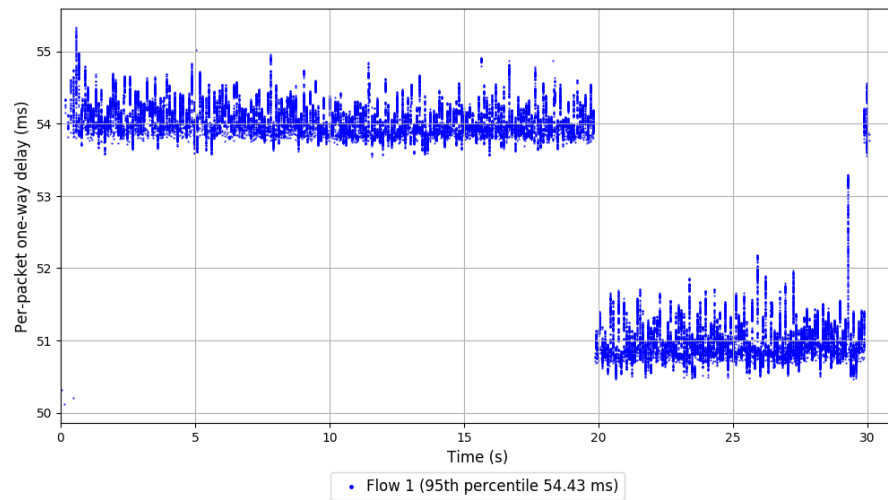
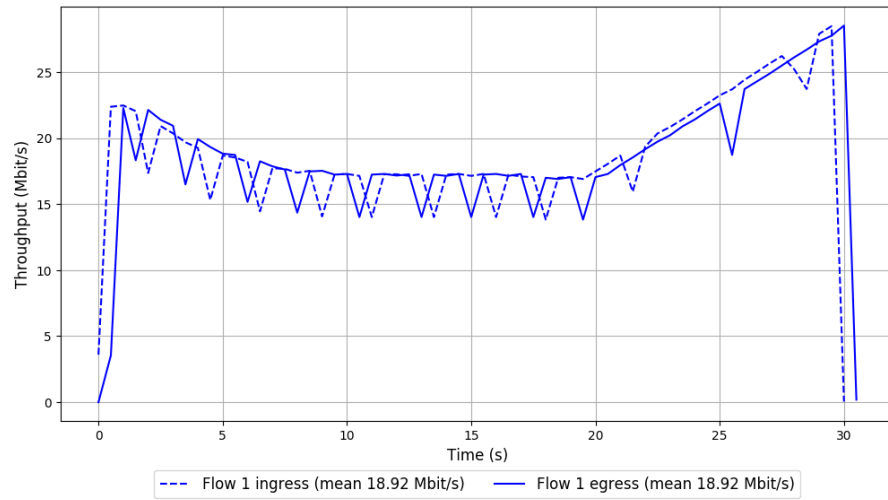
-- Flow 1:

Average throughput: 18.92 Mbit/s

95th percentile per-packet one-way delay: 54.430 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-26 14:06:43

End at: 2018-07-26 14:07:13

Local clock offset: 0.062 ms

Remote clock offset: 1.185 ms

Below is generated by plot.py at 2018-07-26 18:00:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.04 Mbit/s

95th percentile per-packet one-way delay: 55.598 ms

Loss rate: 0.00%

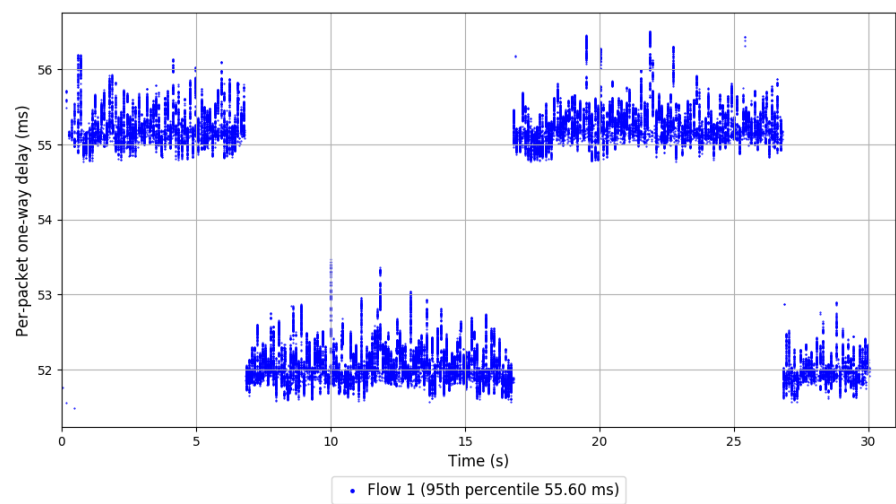
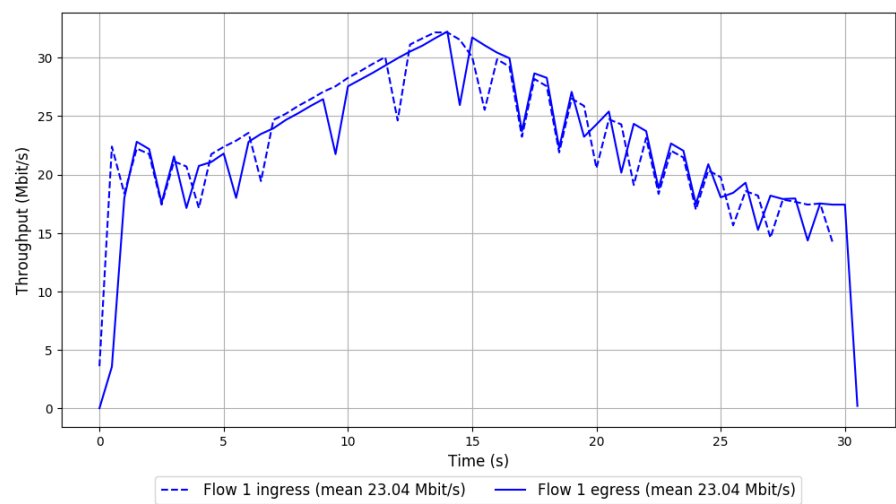
-- Flow 1:

Average throughput: 23.04 Mbit/s

95th percentile per-packet one-way delay: 55.598 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-26 14:28:23

End at: 2018-07-26 14:28:53

Local clock offset: 0.196 ms

Remote clock offset: 1.197 ms

Below is generated by plot.py at 2018-07-26 18:00:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 108.84 Mbit/s

95th percentile per-packet one-way delay: 54.835 ms

Loss rate: 0.00%

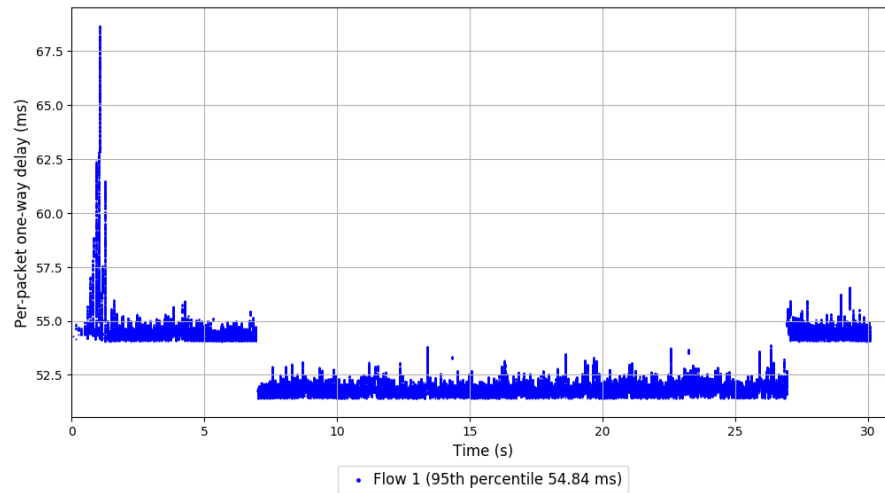
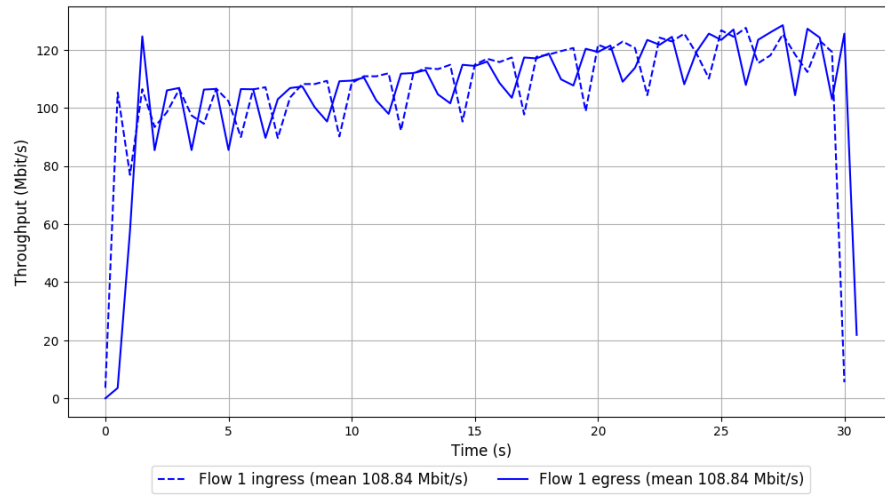
-- Flow 1:

Average throughput: 108.84 Mbit/s

95th percentile per-packet one-way delay: 54.835 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-07-26 14:50:38

End at: 2018-07-26 14:51:08

Local clock offset: 0.004 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-07-26 18:00:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.42 Mbit/s

95th percentile per-packet one-way delay: 53.843 ms

Loss rate: 0.00%

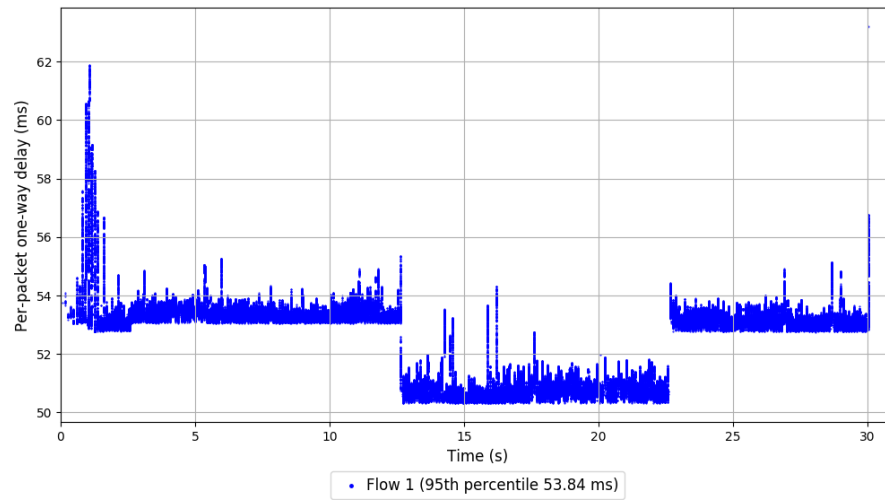
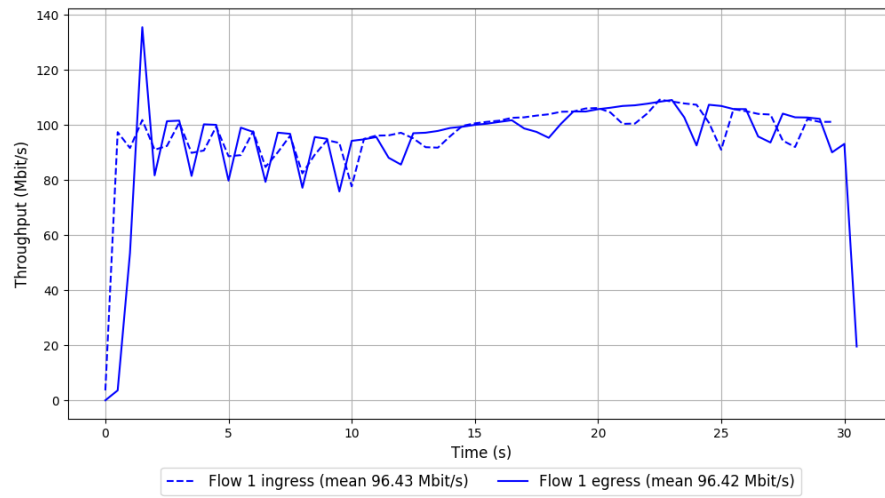
-- Flow 1:

Average throughput: 96.42 Mbit/s

95th percentile per-packet one-way delay: 53.843 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-26 15:12:36

End at: 2018-07-26 15:13:06

Local clock offset: 0.072 ms

Remote clock offset: 1.326 ms

Below is generated by plot.py at 2018-07-26 18:00:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.75 Mbit/s

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

Loss rate: 0.00%

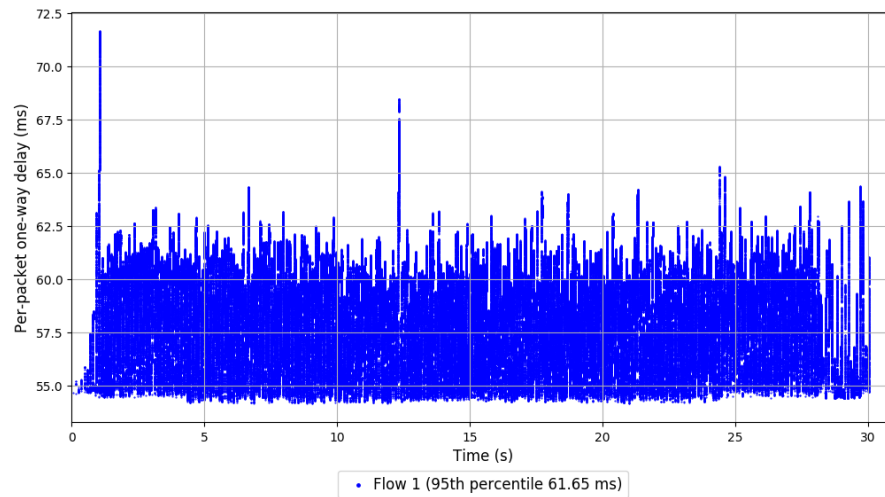
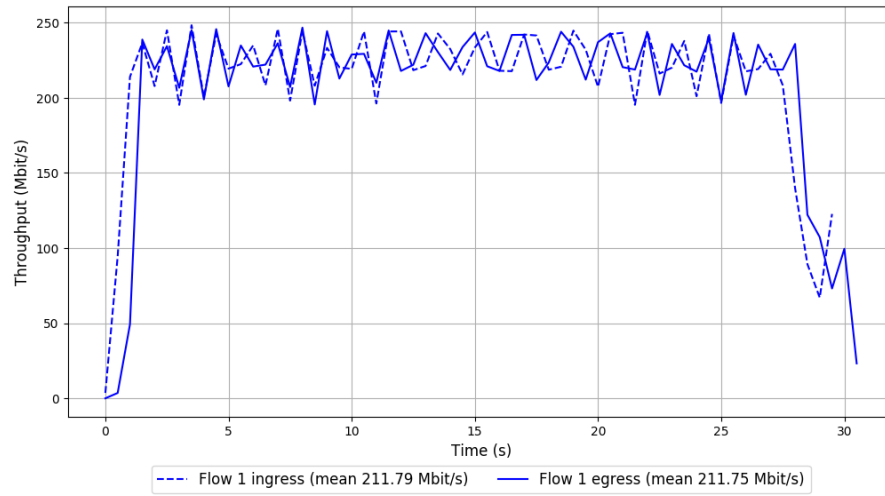
-- Flow 1:

Average throughput: 211.75 Mbit/s

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

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-26 15:34:08

End at: 2018-07-26 15:34:38

Local clock offset: 0.132 ms

Remote clock offset: -1.411 ms

Below is generated by plot.py at 2018-07-26 18:00:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.94 Mbit/s

95th percentile per-packet one-way delay: 52.320 ms

Loss rate: 0.00%

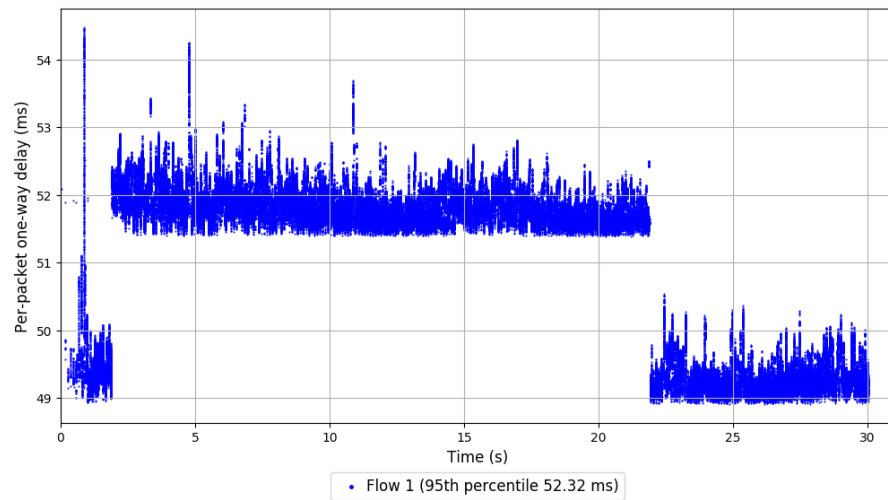
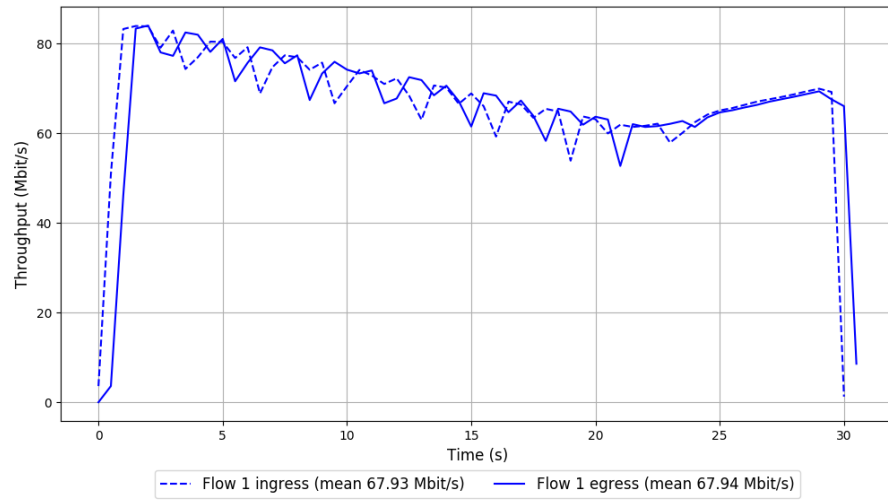
-- Flow 1:

Average throughput: 67.94 Mbit/s

95th percentile per-packet one-way delay: 52.320 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-26 12:19:39

End at: 2018-07-26 12:20:09

Local clock offset: 0.097 ms

Remote clock offset: 0.192 ms

Below is generated by plot.py at 2018-07-26 18:02:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.93 Mbit/s

95th percentile per-packet one-way delay: 80.483 ms

Loss rate: 0.01%

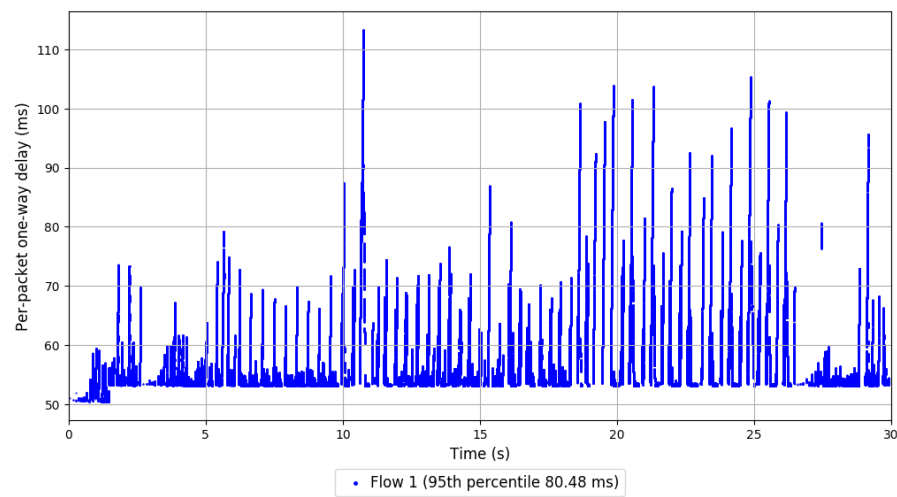
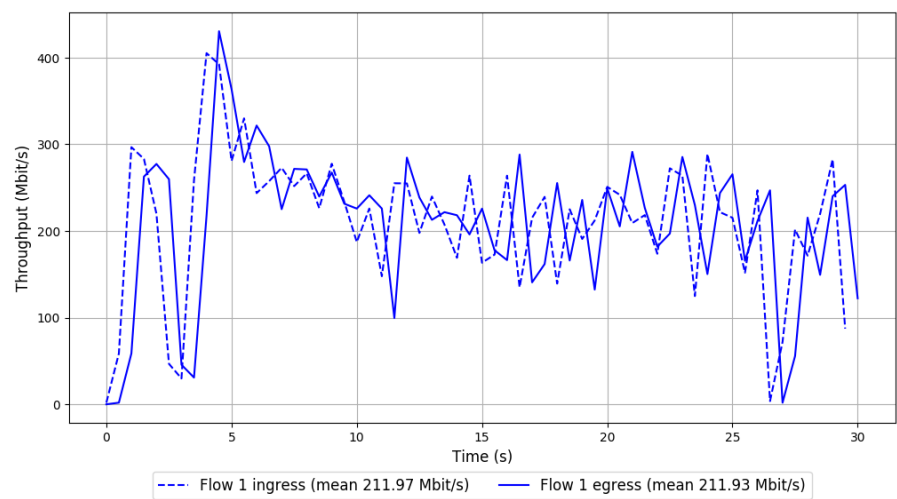
-- Flow 1:

Average throughput: 211.93 Mbit/s

95th percentile per-packet one-way delay: 80.483 ms

Loss rate: 0.01%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-07-26 12:41:21

End at: 2018-07-26 12:41:51

Local clock offset: 0.088 ms

Remote clock offset: 0.206 ms

Below is generated by plot.py at 2018-07-26 18:02:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 239.54 Mbit/s

95th percentile per-packet one-way delay: 78.021 ms

Loss rate: 0.00%

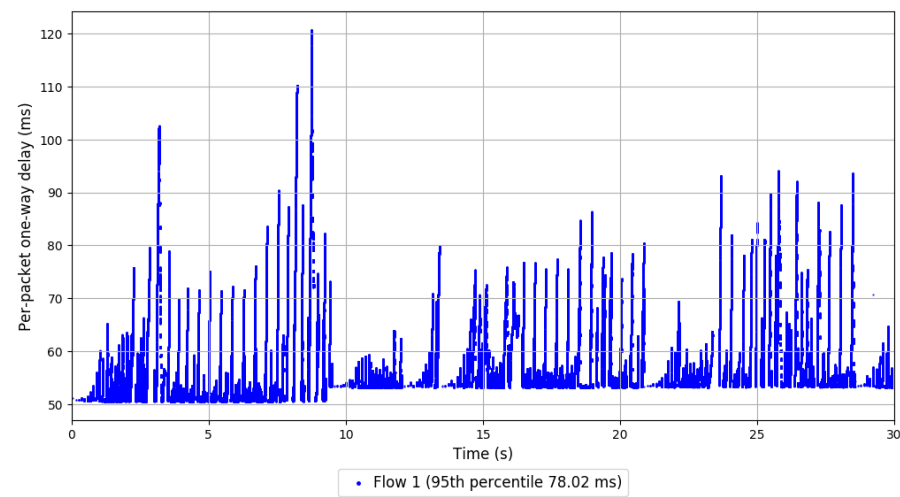
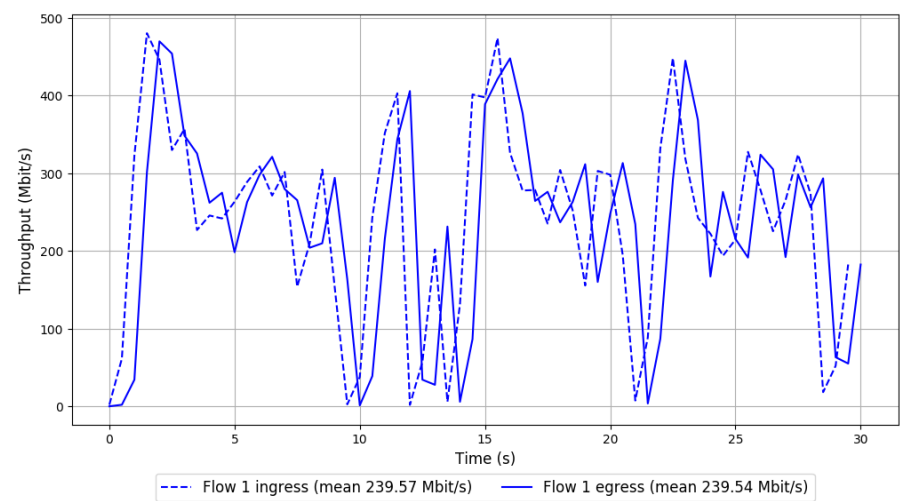
-- Flow 1:

Average throughput: 239.54 Mbit/s

95th percentile per-packet one-way delay: 78.021 ms

Loss rate: 0.00%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-26 13:03:26

End at: 2018-07-26 13:03:56

Local clock offset: -0.092 ms

Remote clock offset: 1.353 ms

Below is generated by plot.py at 2018-07-26 18:03:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 285.26 Mbit/s

95th percentile per-packet one-way delay: 88.276 ms

Loss rate: 0.11%

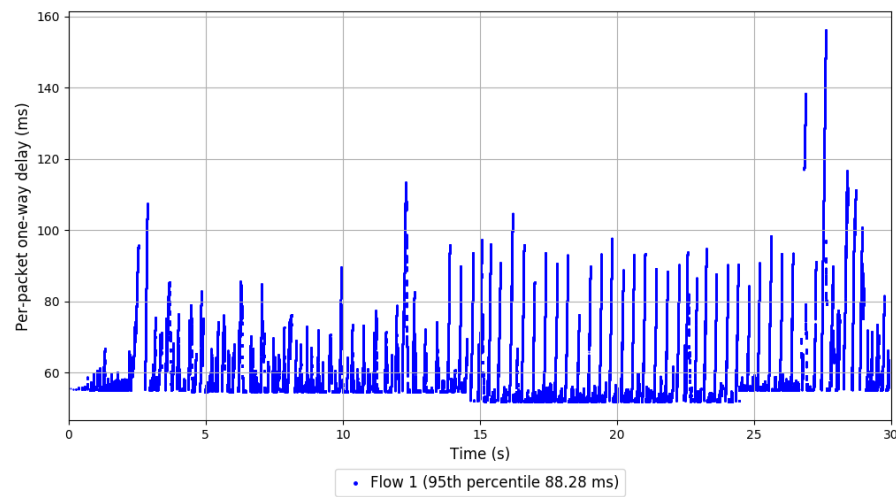
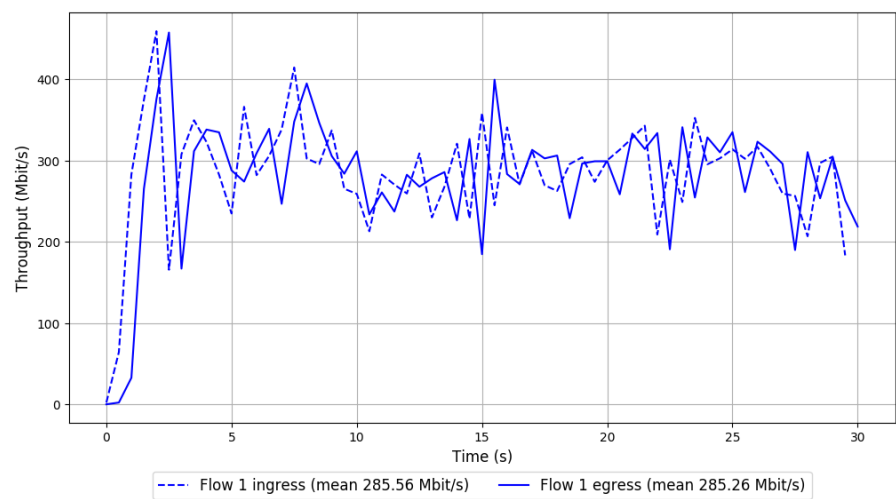
-- Flow 1:

Average throughput: 285.26 Mbit/s

95th percentile per-packet one-way delay: 88.276 ms

Loss rate: 0.11%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-26 13:25:31

End at: 2018-07-26 13:26:01

Local clock offset: -0.185 ms

Remote clock offset: 0.222 ms

Below is generated by plot.py at 2018-07-26 18:03:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.21 Mbit/s

95th percentile per-packet one-way delay: 81.196 ms

Loss rate: 0.13%

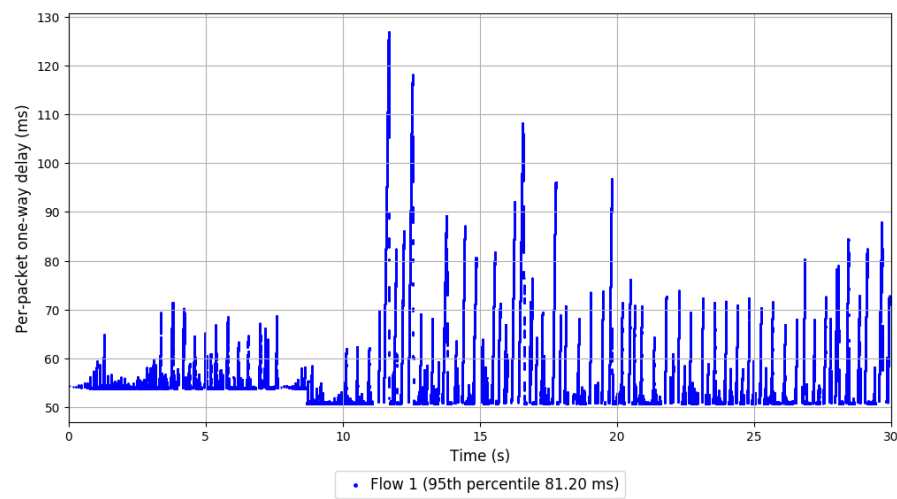
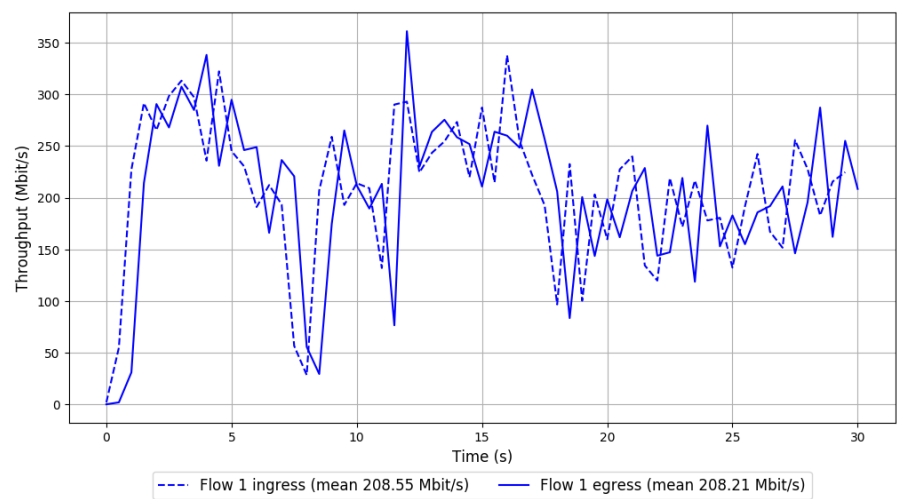
-- Flow 1:

Average throughput: 208.21 Mbit/s

95th percentile per-packet one-way delay: 81.196 ms

Loss rate: 0.13%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-07-26 13:47:34

End at: 2018-07-26 13:48:04

Local clock offset: -0.054 ms

Remote clock offset: 0.106 ms

Below is generated by plot.py at 2018-07-26 18:03:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.06 Mbit/s

95th percentile per-packet one-way delay: 75.668 ms

Loss rate: 0.00%

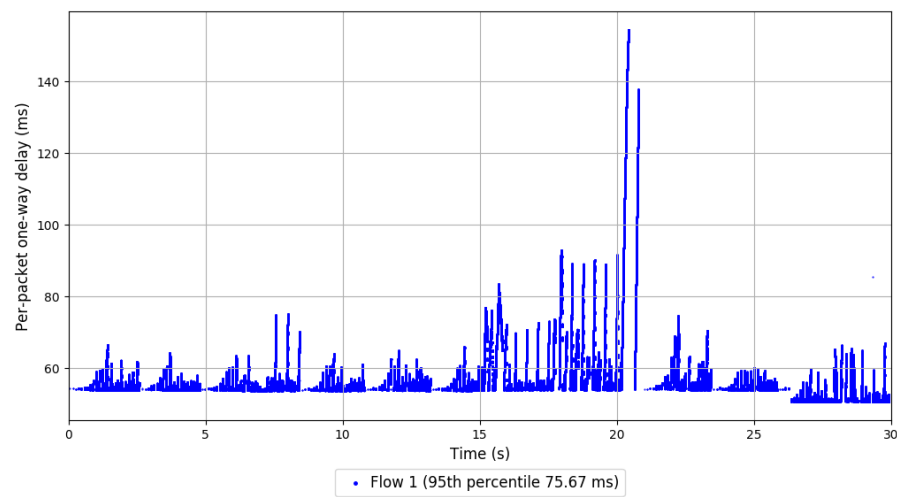
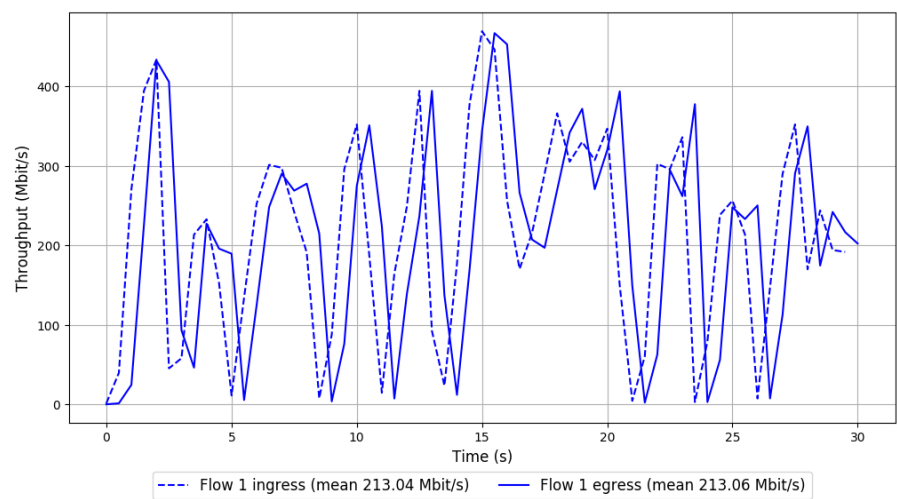
-- Flow 1:

Average throughput: 213.06 Mbit/s

95th percentile per-packet one-way delay: 75.668 ms

Loss rate: 0.00%

Run 5: Report of Verus — Data Link

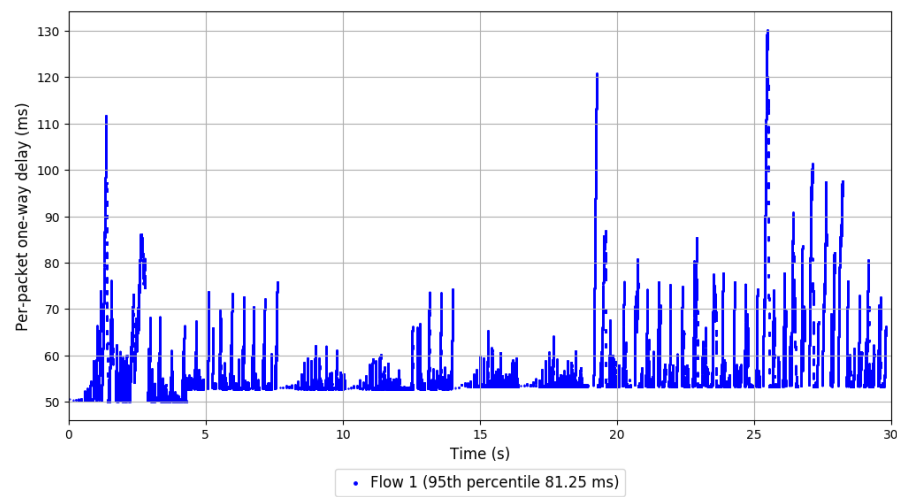
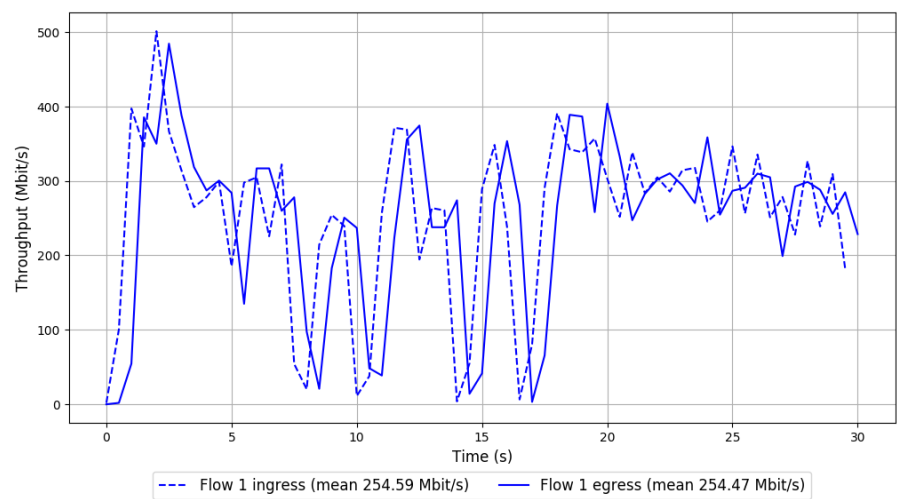


Run 6: Statistics of Verus

Start at: 2018-07-26 14:09:06
End at: 2018-07-26 14:09:36
Local clock offset: 0.196 ms
Remote clock offset: -0.223 ms

Below is generated by plot.py at 2018-07-26 18:03:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 254.47 Mbit/s
95th percentile per-packet one-way delay: 81.246 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 254.47 Mbit/s
95th percentile per-packet one-way delay: 81.246 ms
Loss rate: 0.00%

Run 6: Report of Verus — Data Link

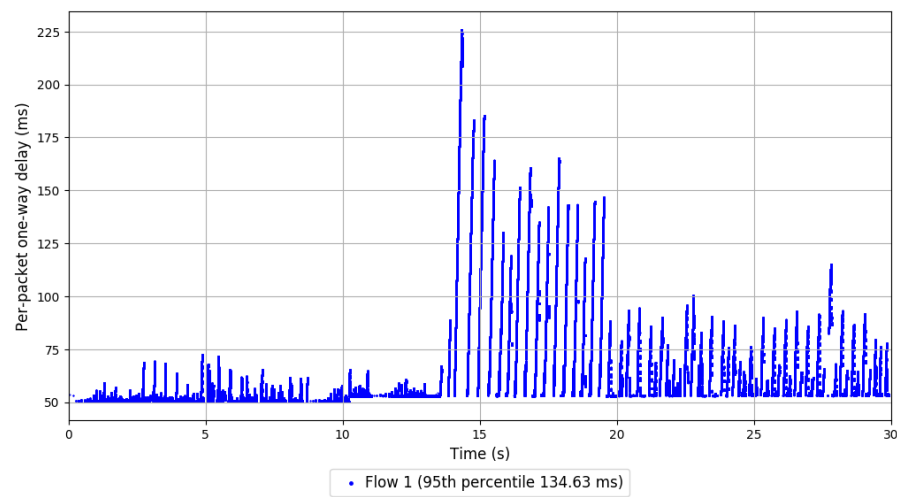
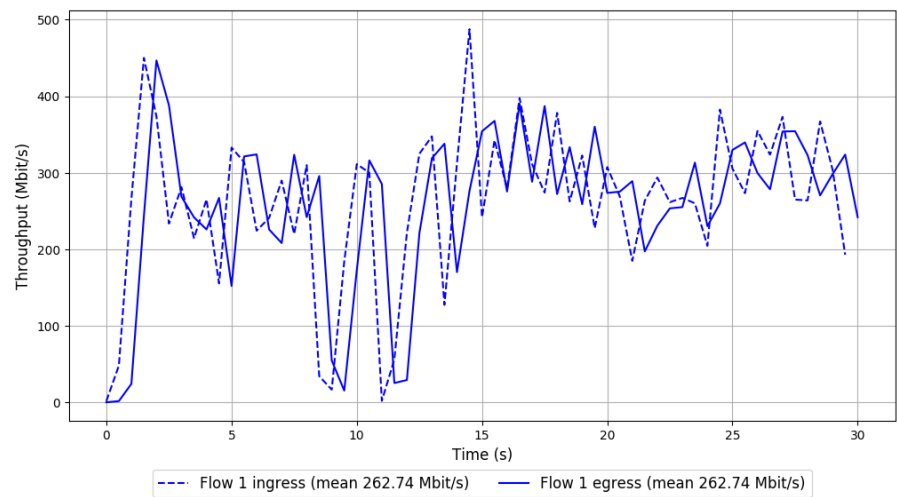


Run 7: Statistics of Verus

Start at: 2018-07-26 14:30:50
End at: 2018-07-26 14:31:20
Local clock offset: 0.162 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-07-26 18:05:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 262.74 Mbit/s
95th percentile per-packet one-way delay: 134.632 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 262.74 Mbit/s
95th percentile per-packet one-way delay: 134.632 ms
Loss rate: 0.00%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-07-26 14:53:03

End at: 2018-07-26 14:53:33

Local clock offset: 0.038 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-26 18:06:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 277.77 Mbit/s

95th percentile per-packet one-way delay: 96.852 ms

Loss rate: 0.00%

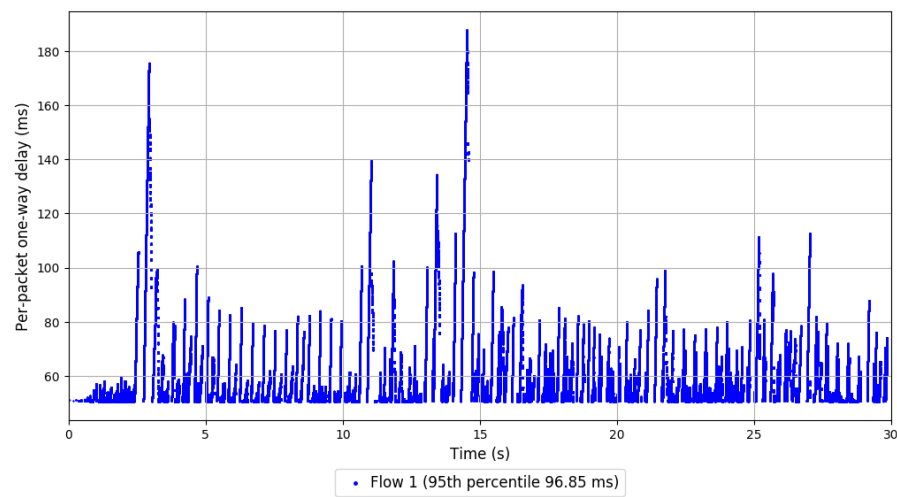
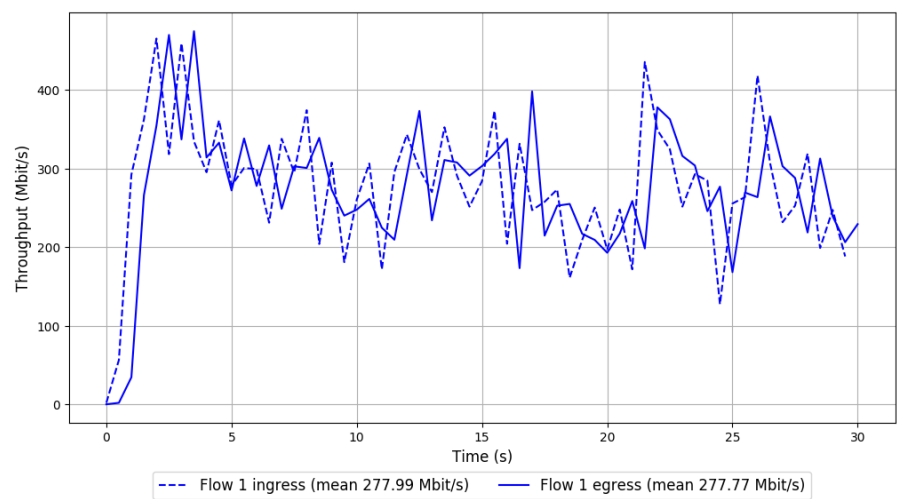
-- Flow 1:

Average throughput: 277.77 Mbit/s

95th percentile per-packet one-way delay: 96.852 ms

Loss rate: 0.00%

Run 8: Report of Verus — Data Link

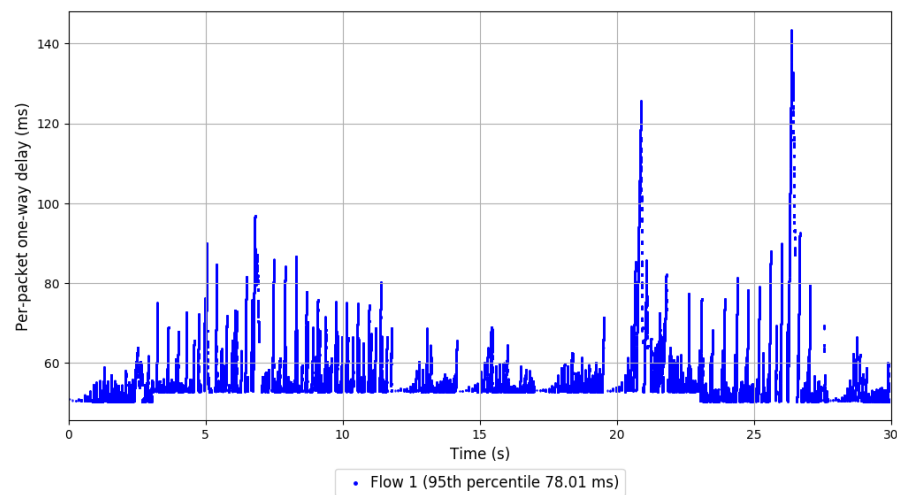
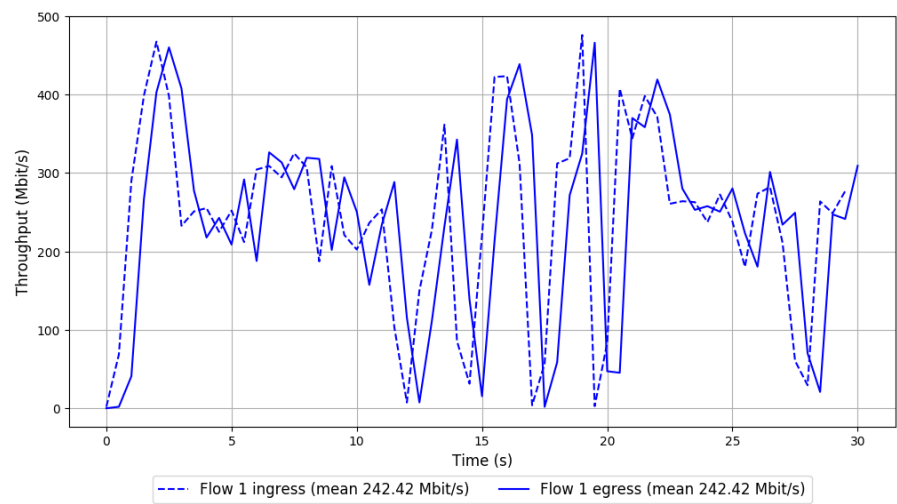


Run 9: Statistics of Verus

Start at: 2018-07-26 15:15:07
End at: 2018-07-26 15:15:37
Local clock offset: 0.023 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-07-26 18:06:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 242.42 Mbit/s
95th percentile per-packet one-way delay: 78.006 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 242.42 Mbit/s
95th percentile per-packet one-way delay: 78.006 ms
Loss rate: 0.00%

Run 9: Report of Verus — Data Link

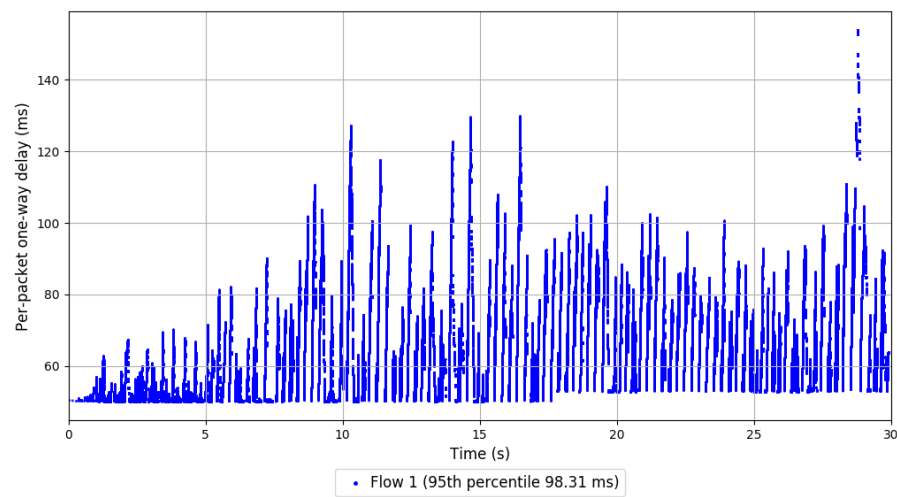
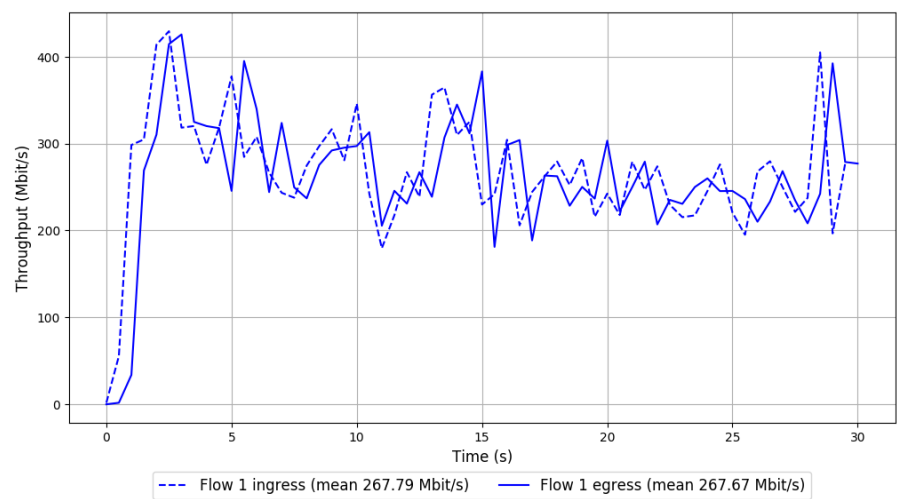


Run 10: Statistics of Verus

Start at: 2018-07-26 15:36:32
End at: 2018-07-26 15:37:02
Local clock offset: 0.099 ms
Remote clock offset: -0.385 ms

Below is generated by plot.py at 2018-07-26 18:07:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 267.67 Mbit/s
95th percentile per-packet one-way delay: 98.312 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 267.67 Mbit/s
95th percentile per-packet one-way delay: 98.312 ms
Loss rate: 0.00%

Run 10: Report of Verus — Data Link

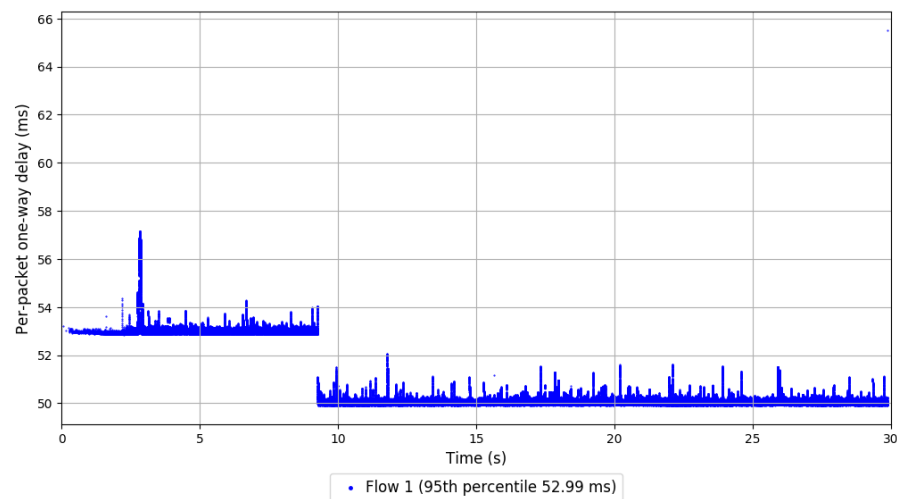
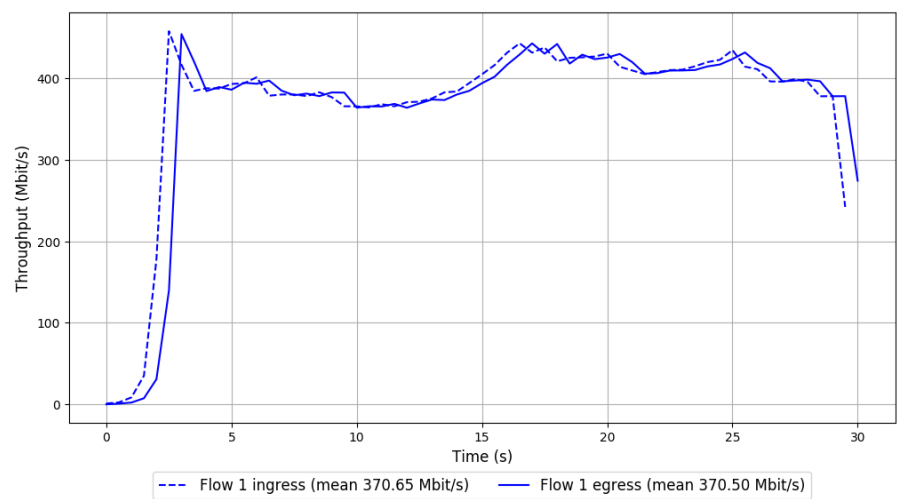


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-26 12:14:31
End at: 2018-07-26 12:15:01
Local clock offset: 0.034 ms
Remote clock offset: -0.167 ms

Below is generated by plot.py at 2018-07-26 18:10:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 370.50 Mbit/s
95th percentile per-packet one-way delay: 52.991 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 370.50 Mbit/s
95th percentile per-packet one-way delay: 52.991 ms
Loss rate: 0.03%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-26 12:36:23

End at: 2018-07-26 12:36:53

Local clock offset: 0.004 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-07-26 18:10:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 293.29 Mbit/s

95th percentile per-packet one-way delay: 50.549 ms

Loss rate: 0.00%

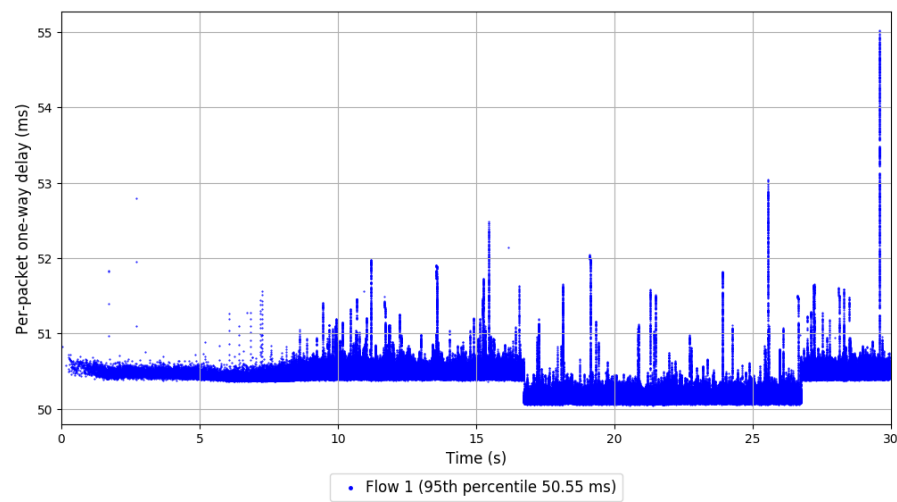
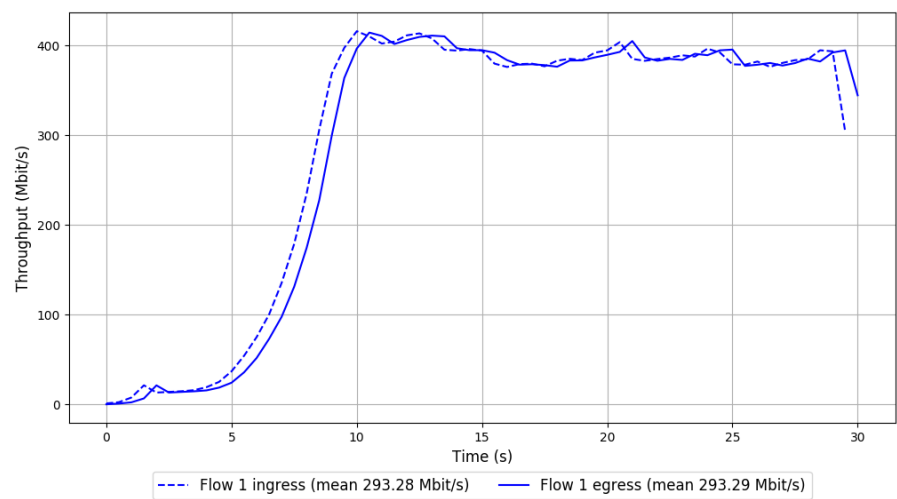
-- Flow 1:

Average throughput: 293.29 Mbit/s

95th percentile per-packet one-way delay: 50.549 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-26 12:58:15

End at: 2018-07-26 12:58:45

Local clock offset: -0.043 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-07-26 18:11:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 366.76 Mbit/s

95th percentile per-packet one-way delay: 53.566 ms

Loss rate: 0.00%

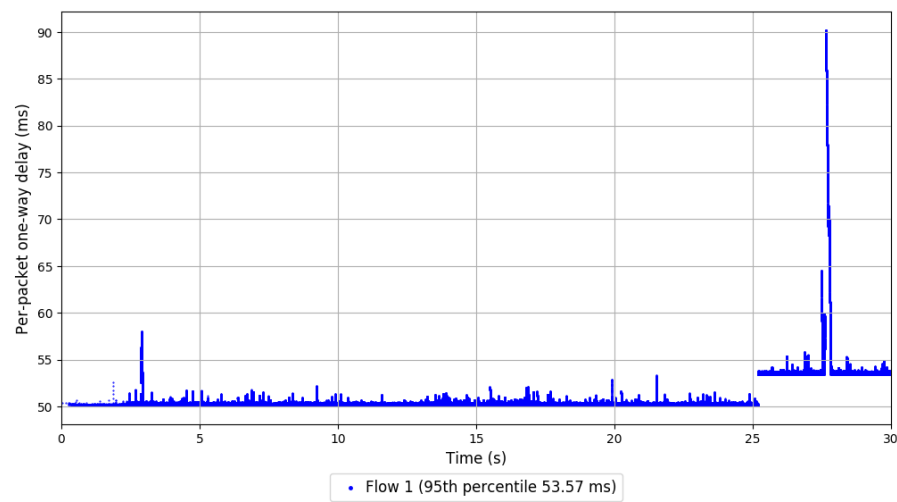
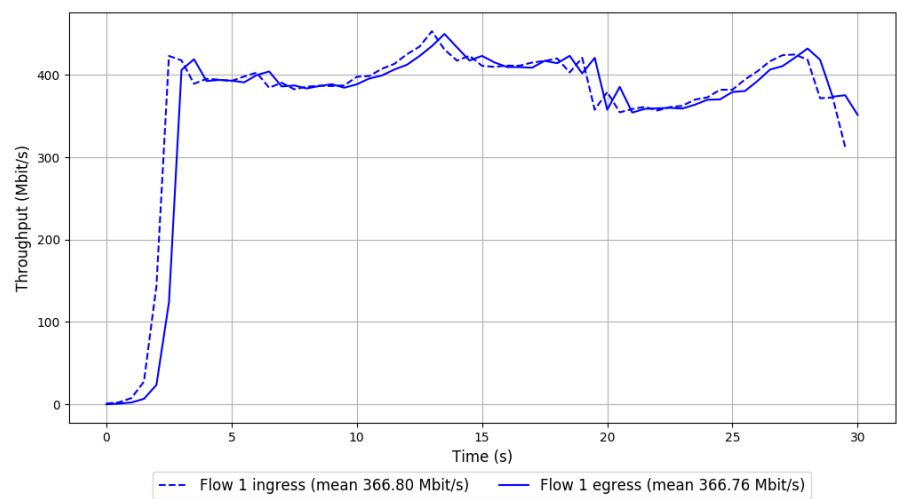
-- Flow 1:

Average throughput: 366.76 Mbit/s

95th percentile per-packet one-way delay: 53.566 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-26 13:20:33

End at: 2018-07-26 13:21:03

Local clock offset: -0.063 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-07-26 18:11:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 353.27 Mbit/s

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

Loss rate: 0.00%

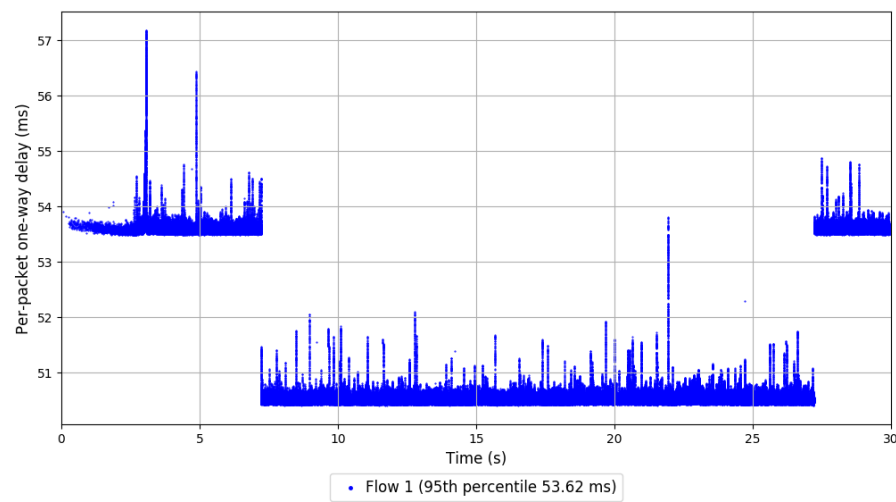
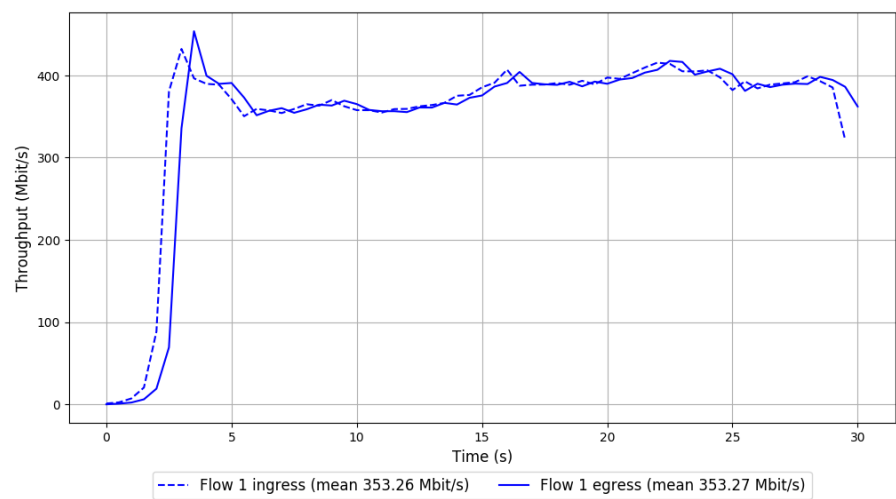
-- Flow 1:

Average throughput: 353.27 Mbit/s

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

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-26 13:42:34

End at: 2018-07-26 13:43:04

Local clock offset: 0.091 ms

Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-26 18:13:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 349.56 Mbit/s

95th percentile per-packet one-way delay: 50.426 ms

Loss rate: 0.00%

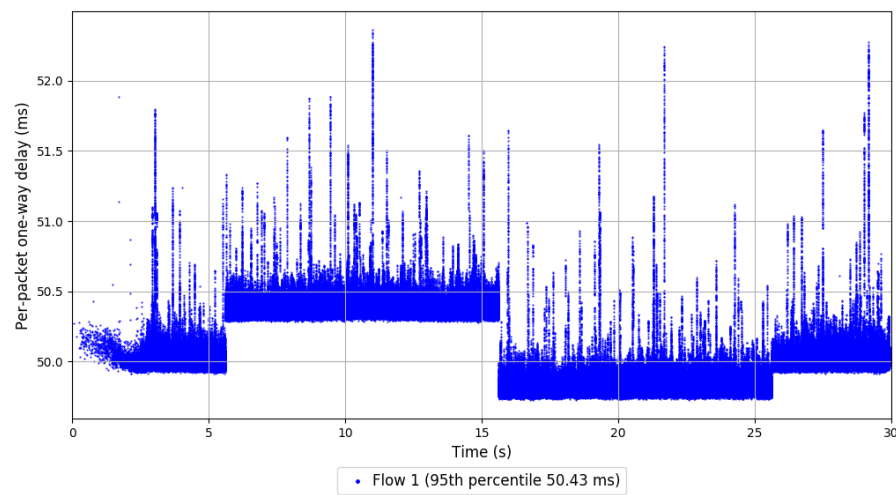
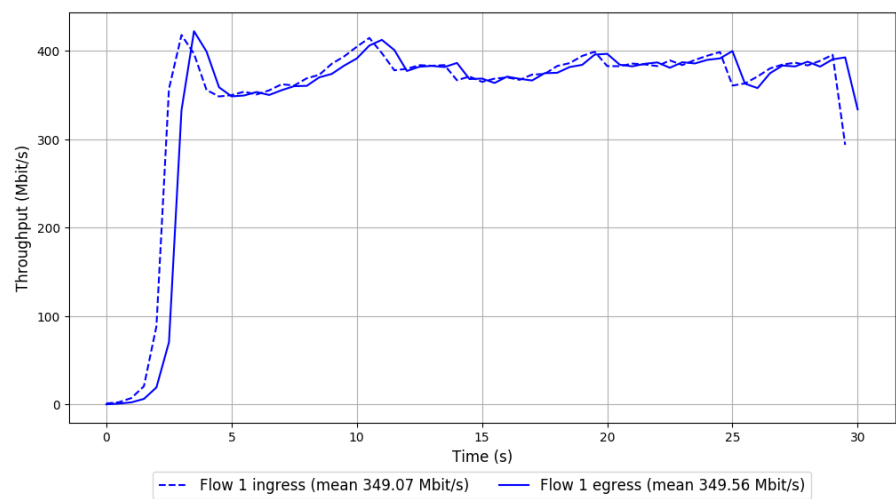
-- Flow 1:

Average throughput: 349.56 Mbit/s

95th percentile per-packet one-way delay: 50.426 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-26 14:04:02

End at: 2018-07-26 14:04:32

Local clock offset: 0.059 ms

Remote clock offset: -0.282 ms

Below is generated by plot.py at 2018-07-26 18:13:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 302.39 Mbit/s

95th percentile per-packet one-way delay: 53.447 ms

Loss rate: 0.00%

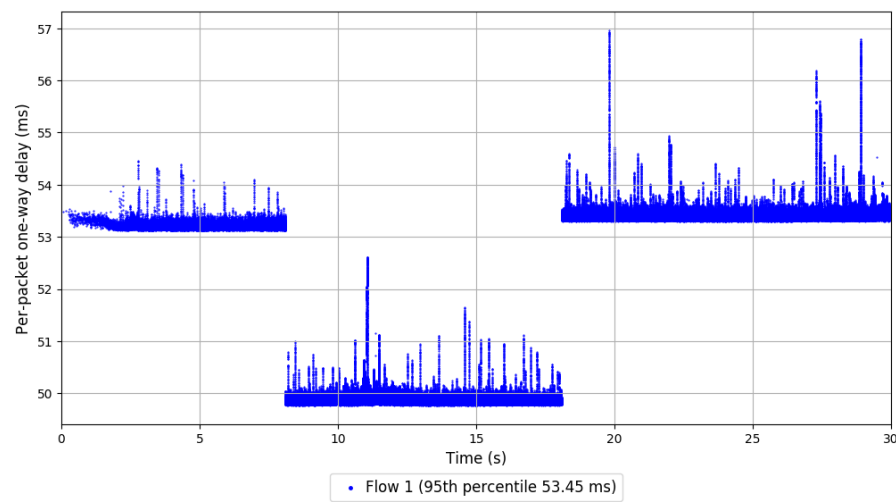
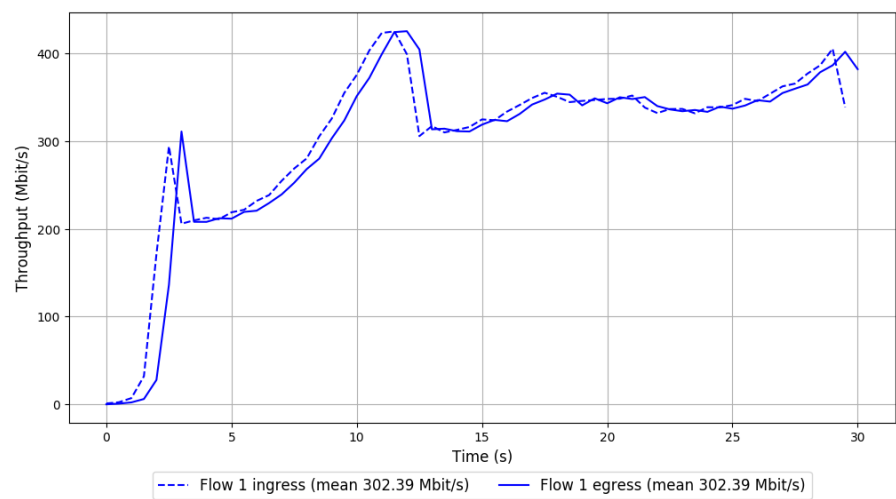
-- Flow 1:

Average throughput: 302.39 Mbit/s

95th percentile per-packet one-way delay: 53.447 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link

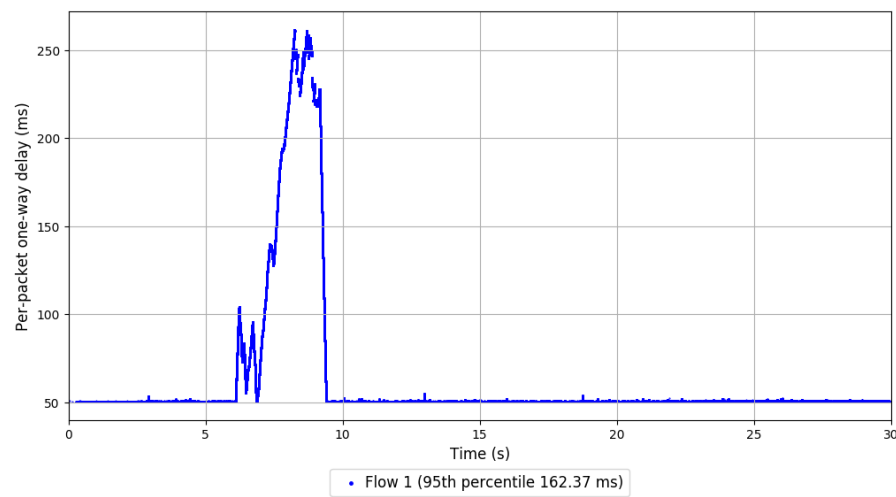
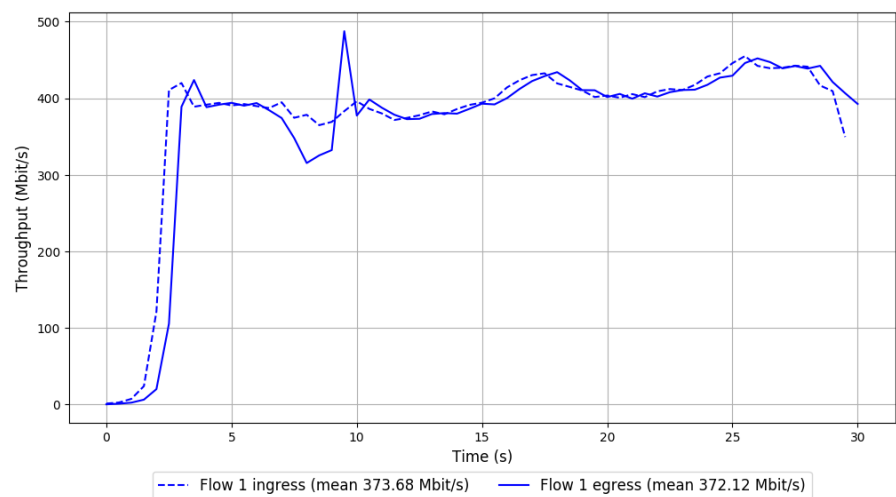


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-26 14:25:47
End at: 2018-07-26 14:26:17
Local clock offset: -0.031 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-07-26 18:14:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 372.12 Mbit/s
95th percentile per-packet one-way delay: 162.371 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 372.12 Mbit/s
95th percentile per-packet one-way delay: 162.371 ms
Loss rate: 0.42%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-26 14:47:44

End at: 2018-07-26 14:48:14

Local clock offset: -0.003 ms

Remote clock offset: 0.108 ms

Below is generated by plot.py at 2018-07-26 18:14:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 358.98 Mbit/s

95th percentile per-packet one-way delay: 50.447 ms

Loss rate: 0.00%

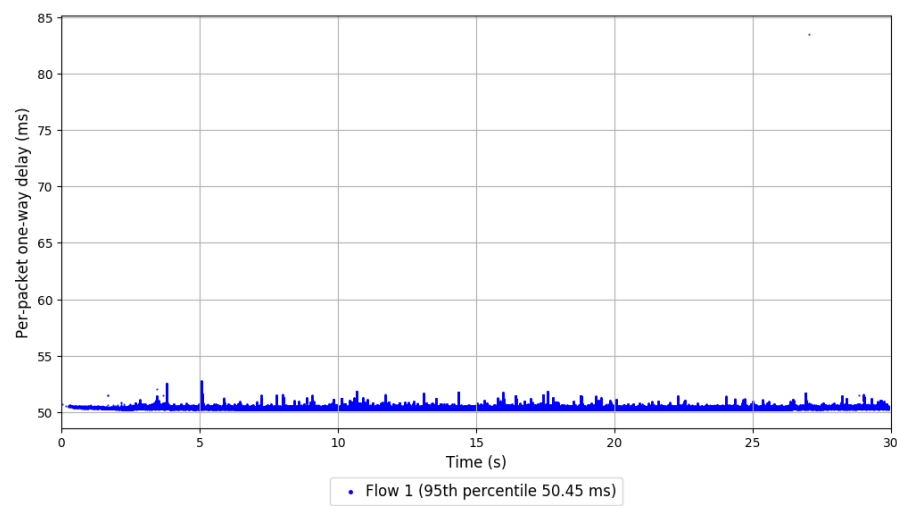
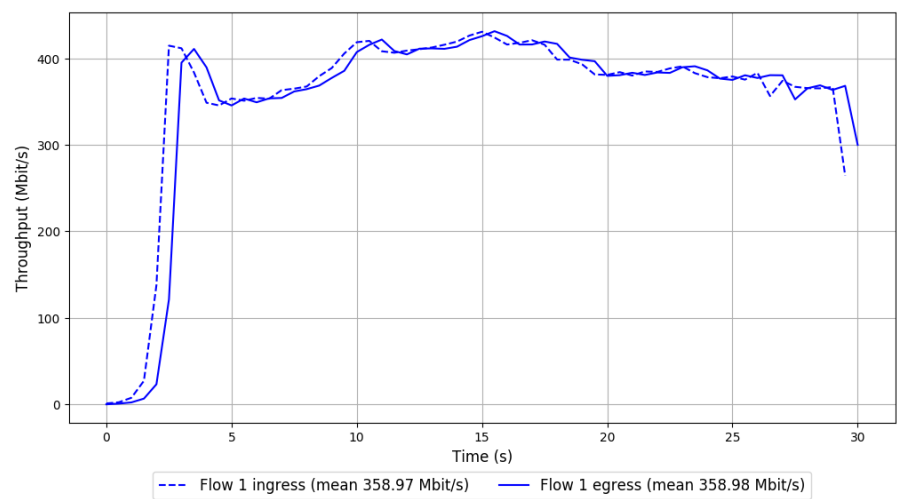
-- Flow 1:

Average throughput: 358.98 Mbit/s

95th percentile per-packet one-way delay: 50.447 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-26 15:09:57

End at: 2018-07-26 15:10:27

Local clock offset: -0.187 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-07-26 18:14:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 352.86 Mbit/s

95th percentile per-packet one-way delay: 53.446 ms

Loss rate: 0.00%

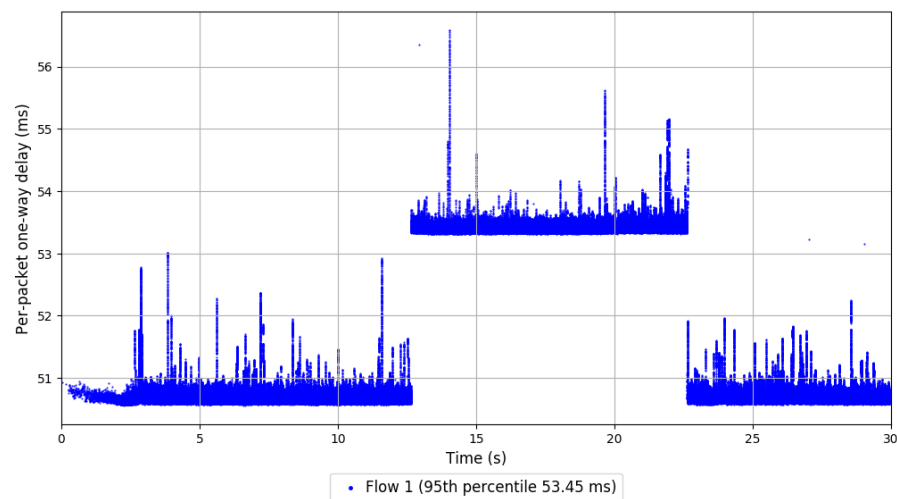
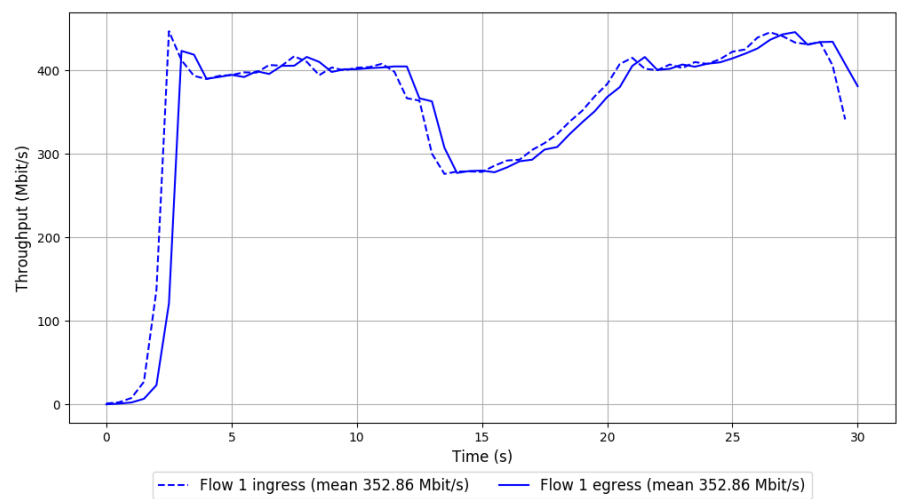
-- Flow 1:

Average throughput: 352.86 Mbit/s

95th percentile per-packet one-way delay: 53.446 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-26 15:31:35

End at: 2018-07-26 15:32:05

Local clock offset: -0.133 ms

Remote clock offset: 1.291 ms

Below is generated by plot.py at 2018-07-26 18:14:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 331.21 Mbit/s

95th percentile per-packet one-way delay: 55.147 ms

Loss rate: 0.00%

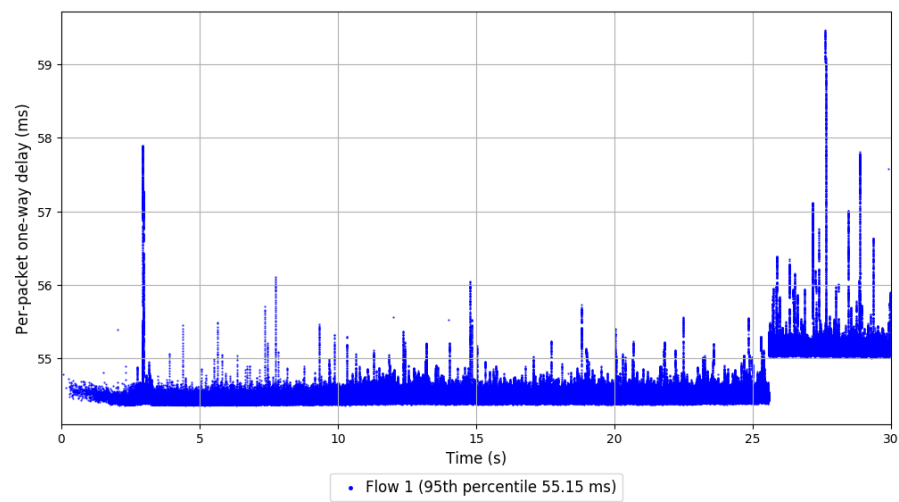
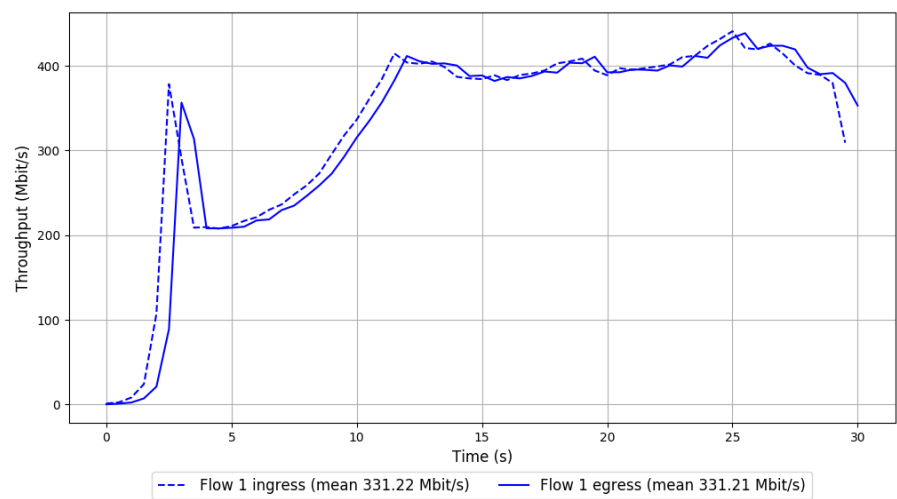
-- Flow 1:

Average throughput: 331.21 Mbit/s

95th percentile per-packet one-way delay: 55.147 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

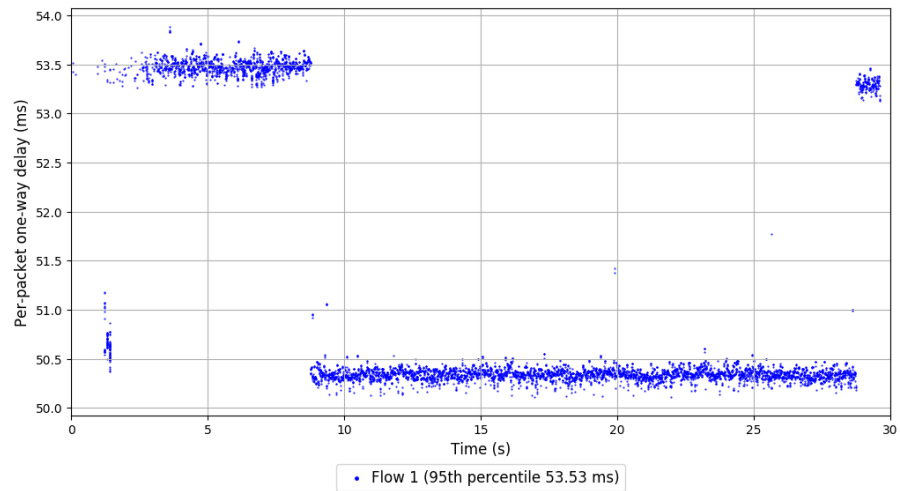
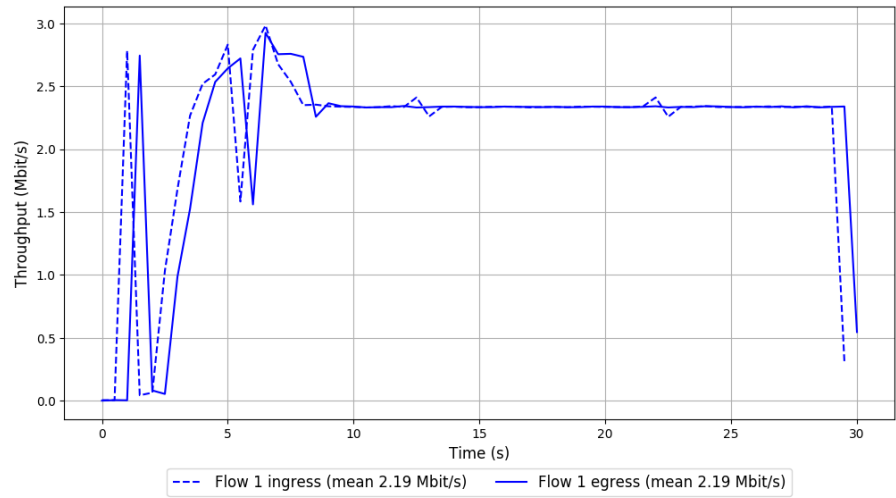


Run 1: Statistics of WebRTC media

Start at: 2018-07-26 12:32:41
End at: 2018-07-26 12:33:11
Local clock offset: -0.033 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-07-26 18:14:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 53.531 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 53.531 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-26 12:54:34

End at: 2018-07-26 12:55:04

Local clock offset: -0.034 ms

Remote clock offset: 0.249 ms

Below is generated by plot.py at 2018-07-26 18:14:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.02 Mbit/s

95th percentile per-packet one-way delay: 53.732 ms

Loss rate: 0.00%

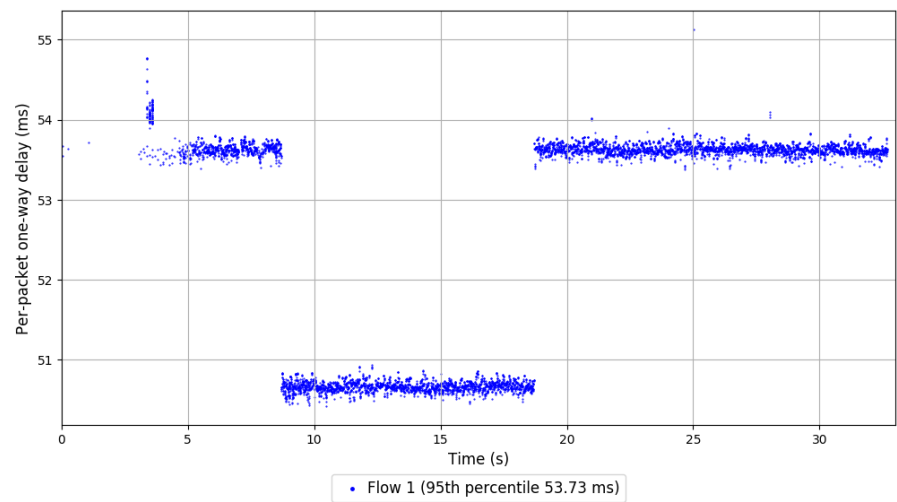
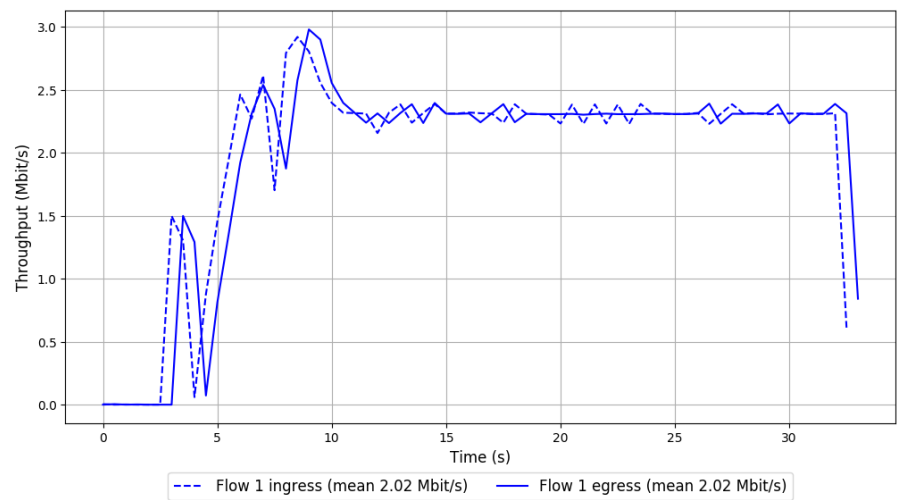
-- Flow 1:

Average throughput: 2.02 Mbit/s

95th percentile per-packet one-way delay: 53.732 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-26 13:16:41

End at: 2018-07-26 13:17:11

Local clock offset: -0.136 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-07-26 18:14:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 50.894 ms

Loss rate: 0.00%

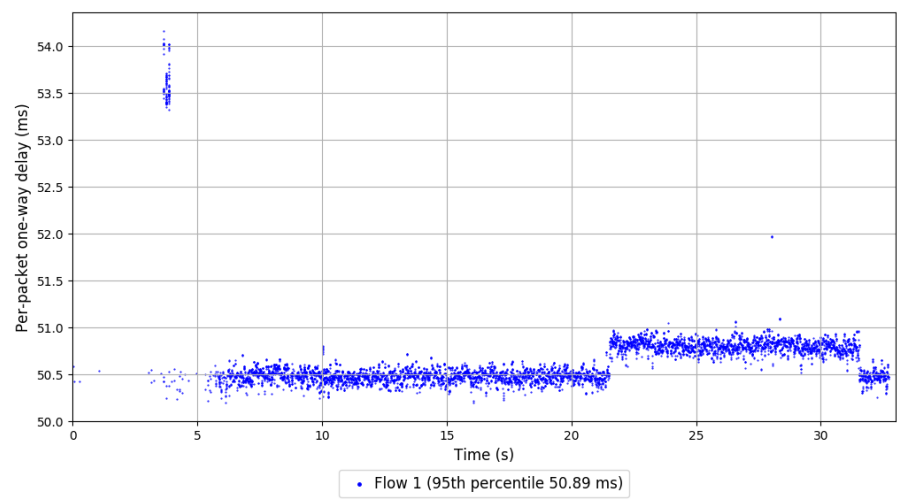
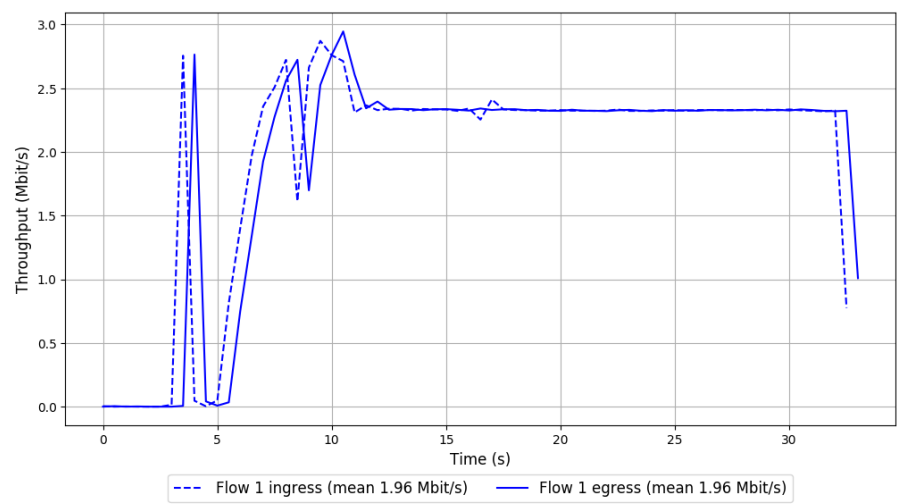
-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 50.894 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-26 13:38:39

End at: 2018-07-26 13:39:09

Local clock offset: -0.045 ms

Remote clock offset: 0.234 ms

Below is generated by plot.py at 2018-07-26 18:14:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 50.817 ms

Loss rate: 0.00%

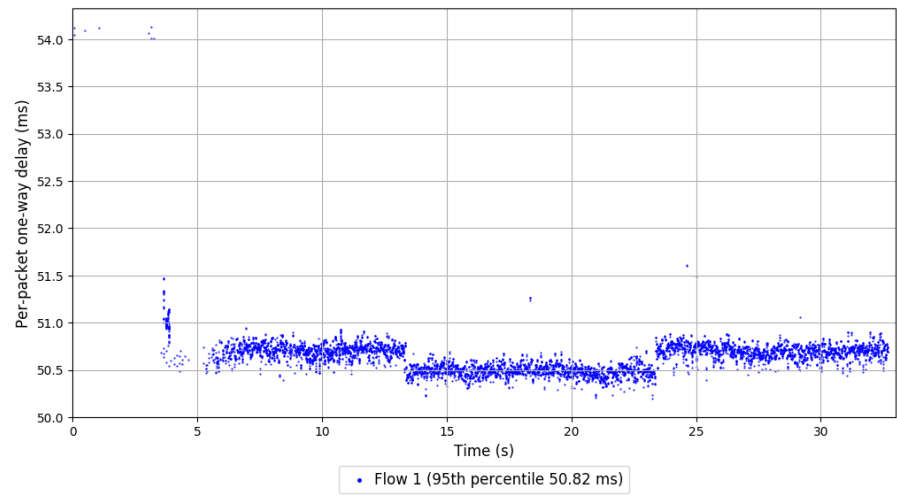
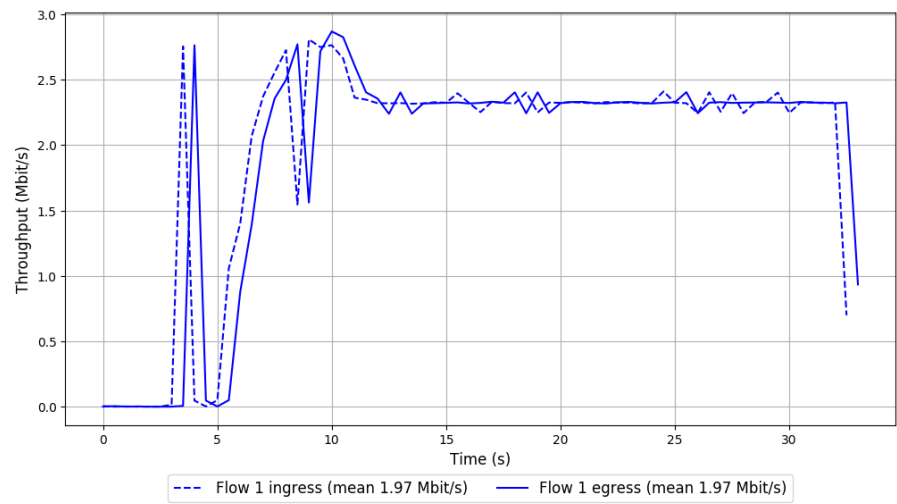
-- Flow 1:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 50.817 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-26 14:00:23

End at: 2018-07-26 14:00:53

Local clock offset: 0.269 ms

Remote clock offset: 0.099 ms

Below is generated by plot.py at 2018-07-26 18:14:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 50.486 ms

Loss rate: 0.00%

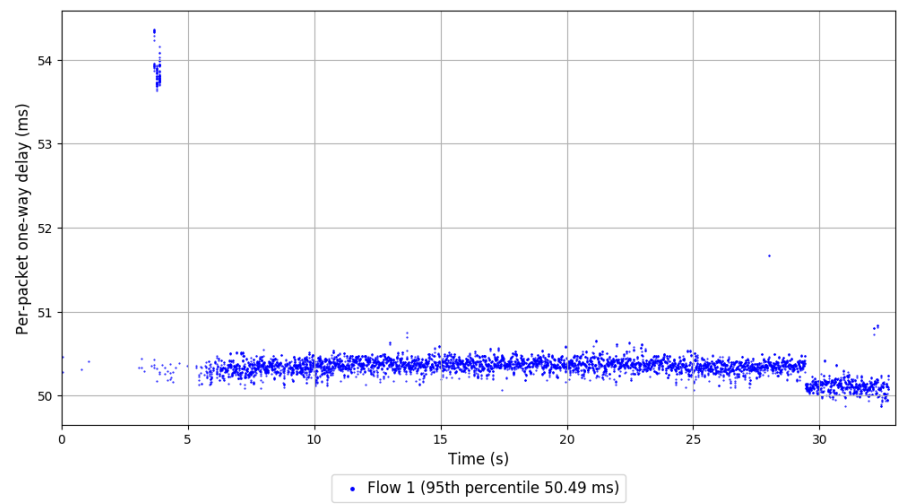
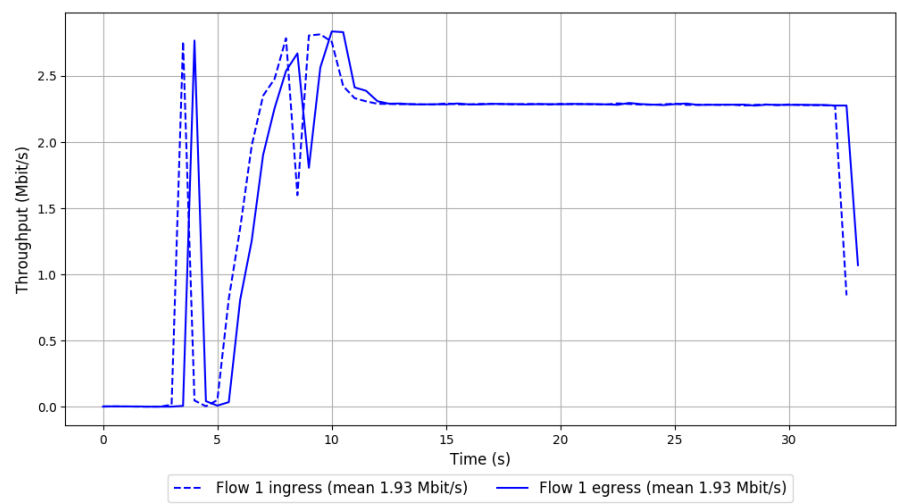
-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 50.486 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-26 14:22:01

End at: 2018-07-26 14:22:31

Local clock offset: 0.004 ms

Remote clock offset: 0.157 ms

Below is generated by plot.py at 2018-07-26 18:14:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 53.945 ms

Loss rate: 0.00%

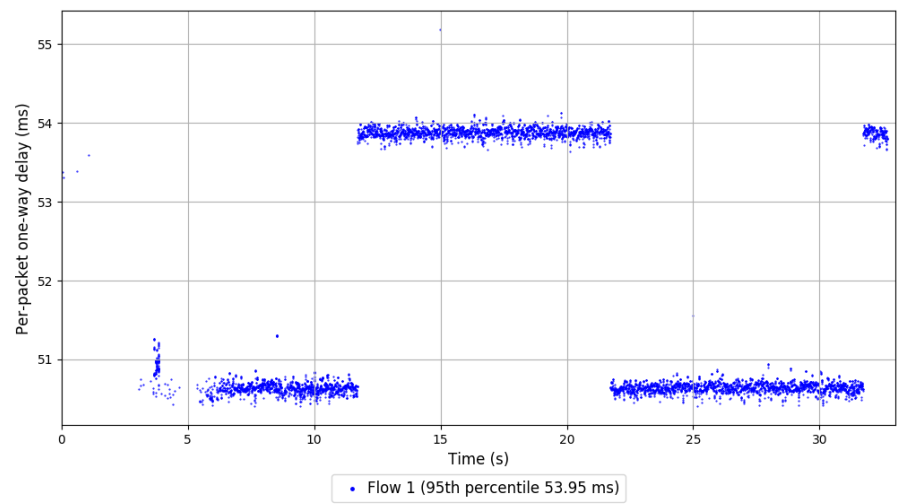
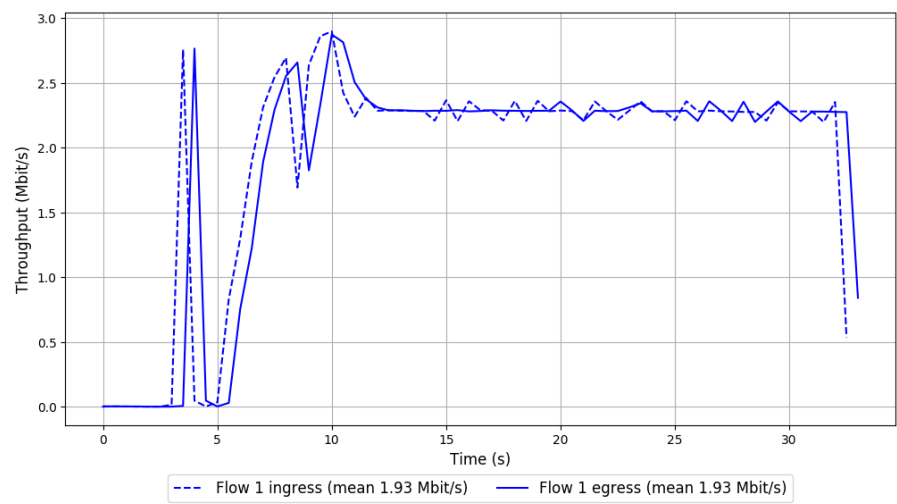
-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 53.945 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-26 14:43:52

End at: 2018-07-26 14:44:22

Local clock offset: 0.159 ms

Remote clock offset: 0.215 ms

Below is generated by plot.py at 2018-07-26 18:14:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 50.644 ms

Loss rate: 0.00%

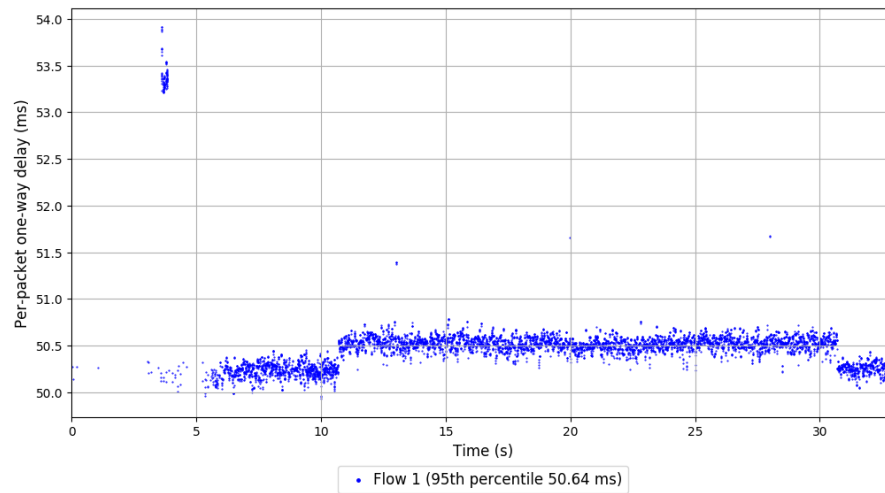
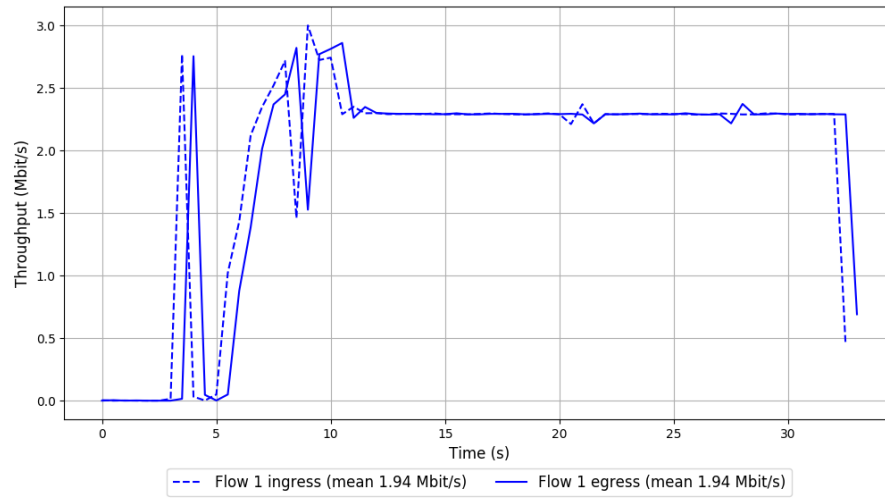
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 50.644 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-07-26 15:06:23

End at: 2018-07-26 15:06:53

Local clock offset: -0.021 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-07-26 18:14:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 53.606 ms

Loss rate: 0.00%

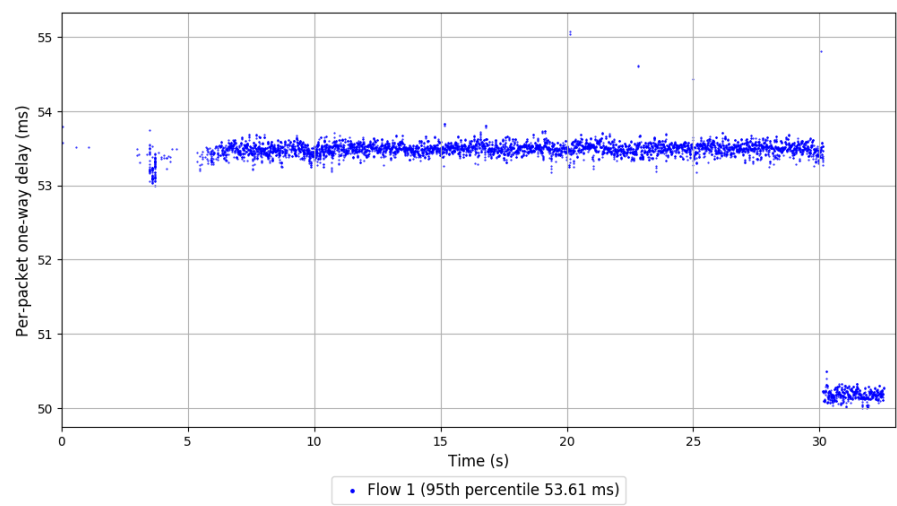
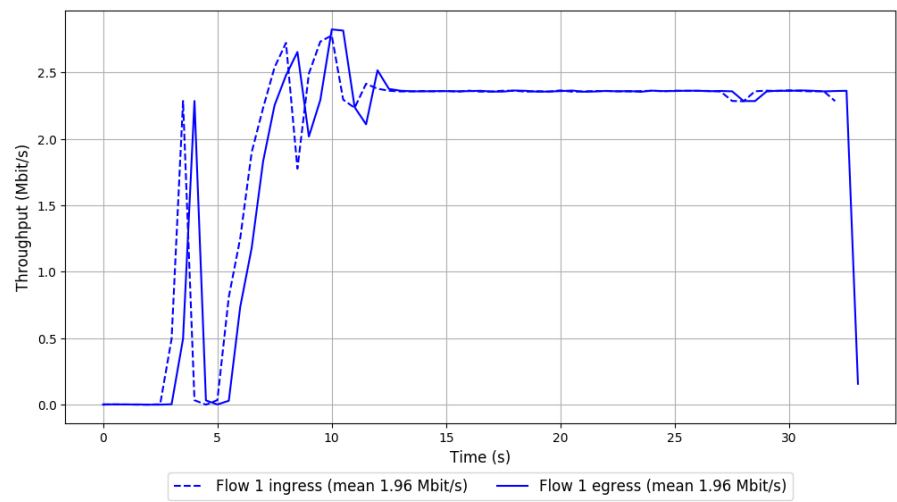
-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 53.606 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-26 15:28:00

End at: 2018-07-26 15:28:30

Local clock offset: 0.046 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-26 18:14:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 53.850 ms

Loss rate: 0.00%

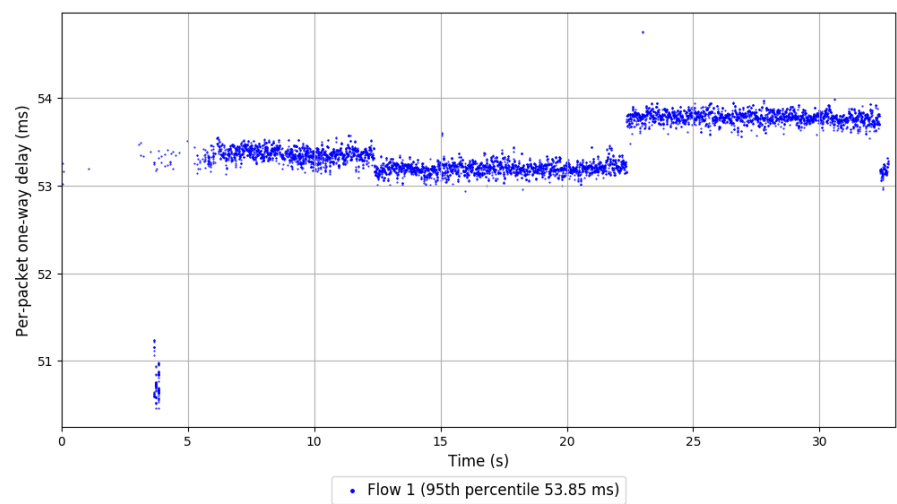
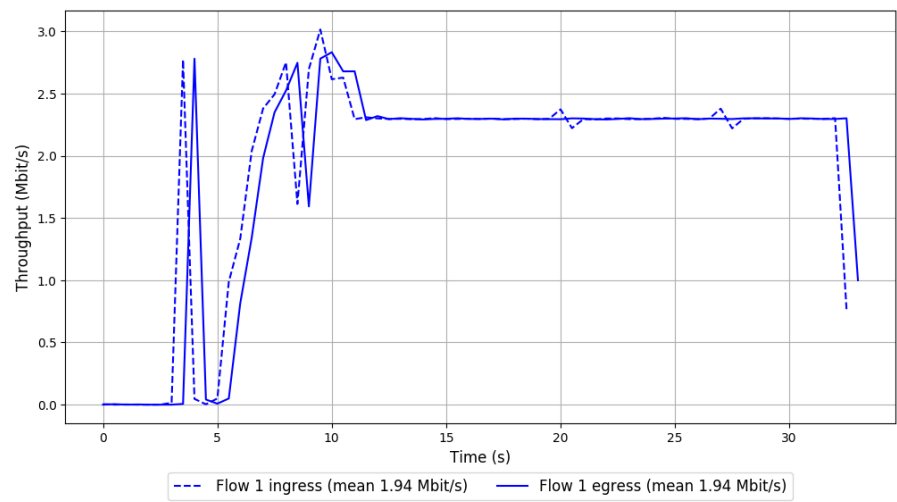
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 53.850 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-26 15:49:49
End at: 2018-07-26 15:50:19
Local clock offset: -0.028 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2018-07-26 18:14:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 53.766 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 53.766 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

