

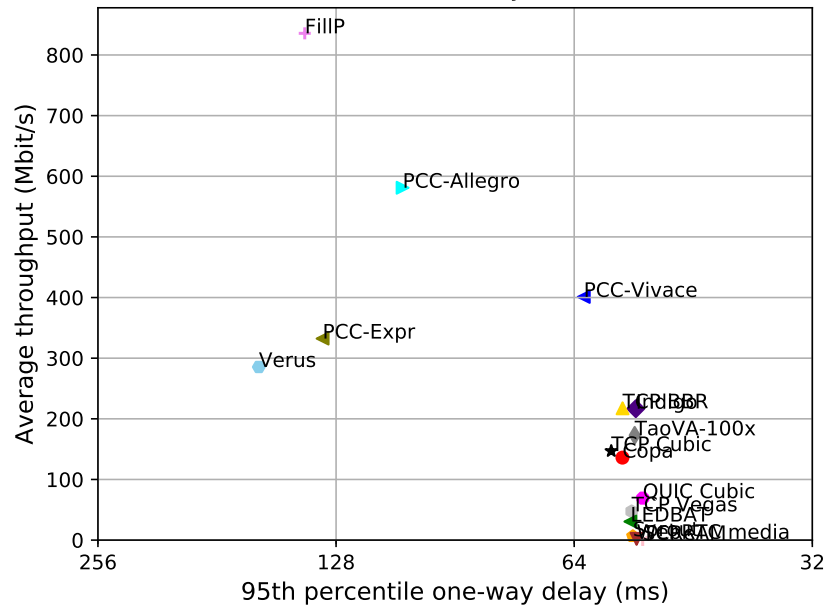
Pantheon Report

Generated at 2018-06-01 09:56:44 (UTC).
Data path: GCE Sydney Ethernet (*local*) → GCE Tokyo Ethernet (*remote*).
Repeated the test of 16 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
NTP offsets were measured against `time.google.com` and have been applied
to correct the timestamps in logs.

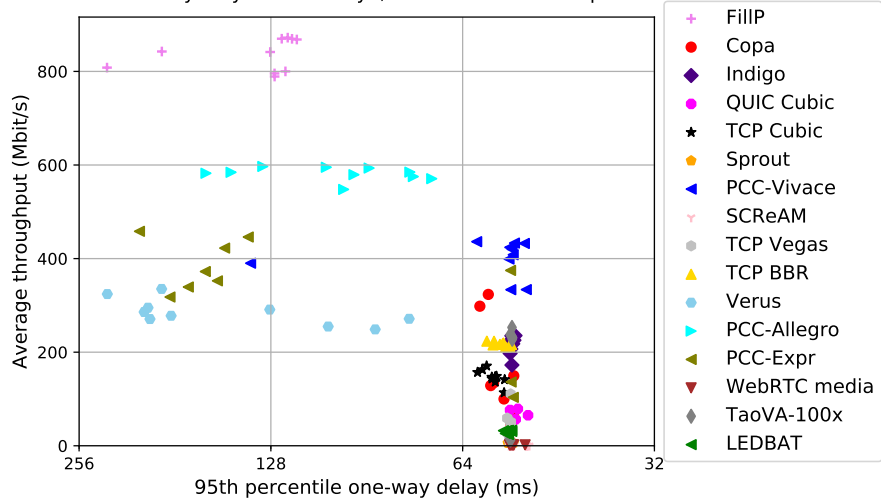
Git summary:

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

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



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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	217.34	55.59	0.01
Copa	10	136.01	55.61	0.03
TCP Cubic	10	146.84	57.46	0.02
FillP	10	835.69	140.22	2.17
Indigo	10	216.64	53.49	0.00
LEDBAT	10	30.60	54.34	0.01
PCC-Allegro	10	581.04	105.45	0.27
PCC-Expr	10	332.32	133.13	2.54
QUIC Cubic	4	69.23	52.42	0.01
SCReAM	10	0.22	52.43	0.00
Sprout	10	6.47	53.96	0.00
TaoVA-100x	7	172.78	53.67	0.01
TCP Vegas	10	47.39	54.15	0.01
Verus	10	285.50	160.27	0.64
PCC-Vivace	10	401.04	62.25	0.01
WebRTC media	10	1.99	53.38	0.01

Run 1: Statistics of TCP BBR

Start at: 2018-06-01 05:16:36

End at: 2018-06-01 05:17:06

Local clock offset: 0.122 ms

Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-06-01 08:36:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.56 Mbit/s

95th percentile per-packet one-way delay: 58.640 ms

Loss rate: 0.00%

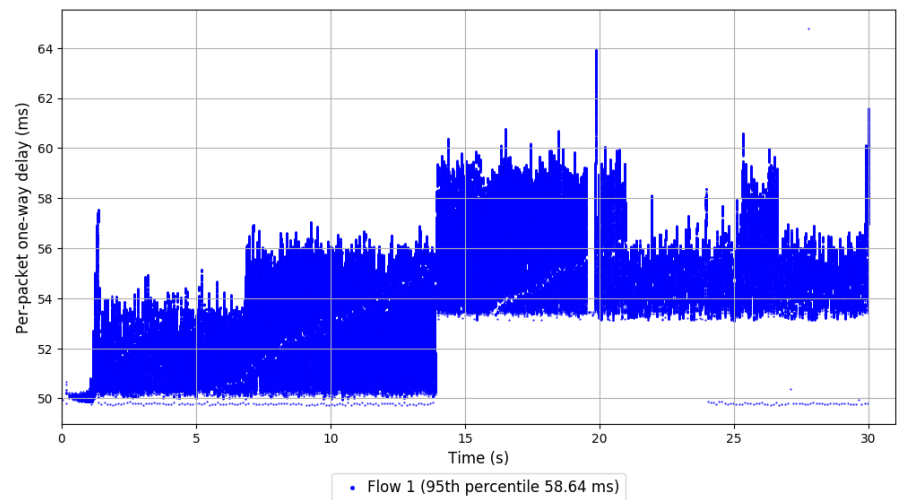
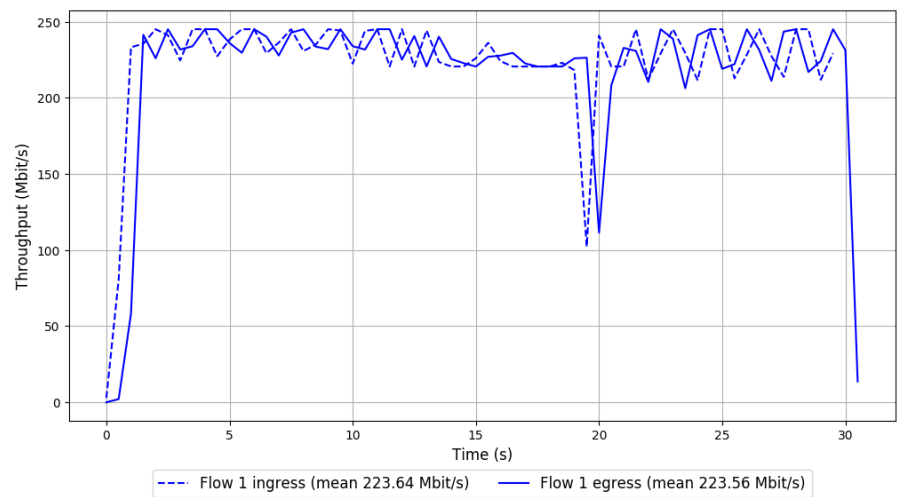
-- Flow 1:

Average throughput: 223.56 Mbit/s

95th percentile per-packet one-way delay: 58.640 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

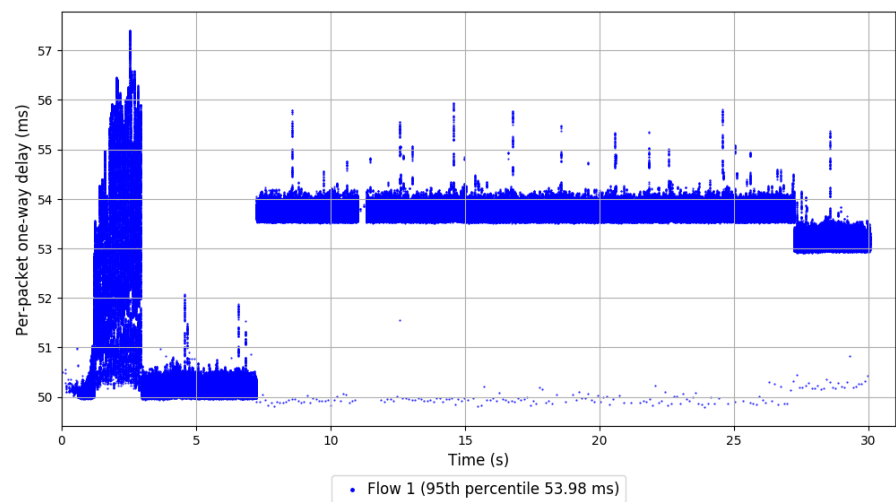
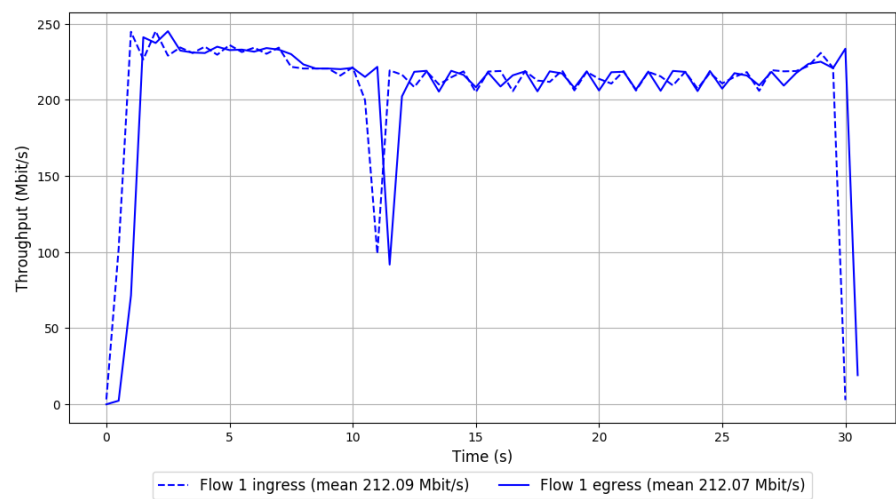


Run 2: Statistics of TCP BBR

Start at: 2018-06-01 05:37:02
End at: 2018-06-01 05:37:32
Local clock offset: -0.276 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-06-01 08:36:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 212.07 Mbit/s
95th percentile per-packet one-way delay: 53.985 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 212.07 Mbit/s
95th percentile per-packet one-way delay: 53.985 ms
Loss rate: 0.01%

Run 2: Report of TCP BBR — Data Link

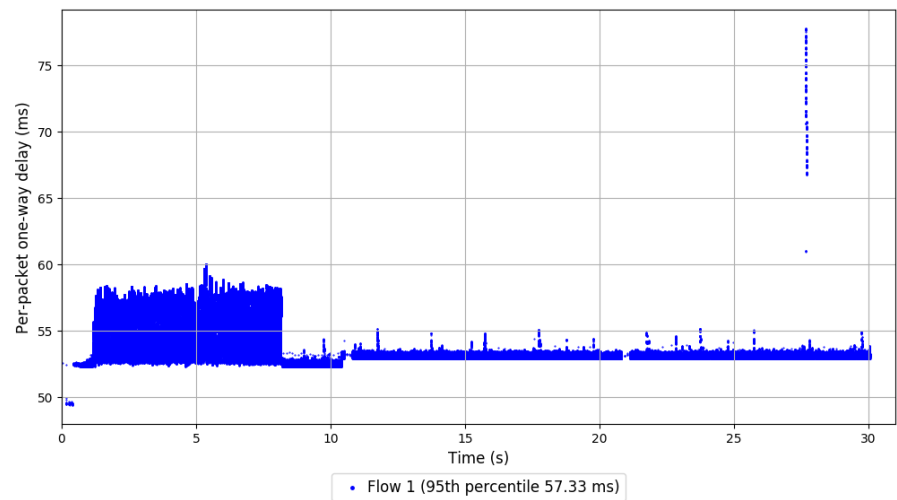
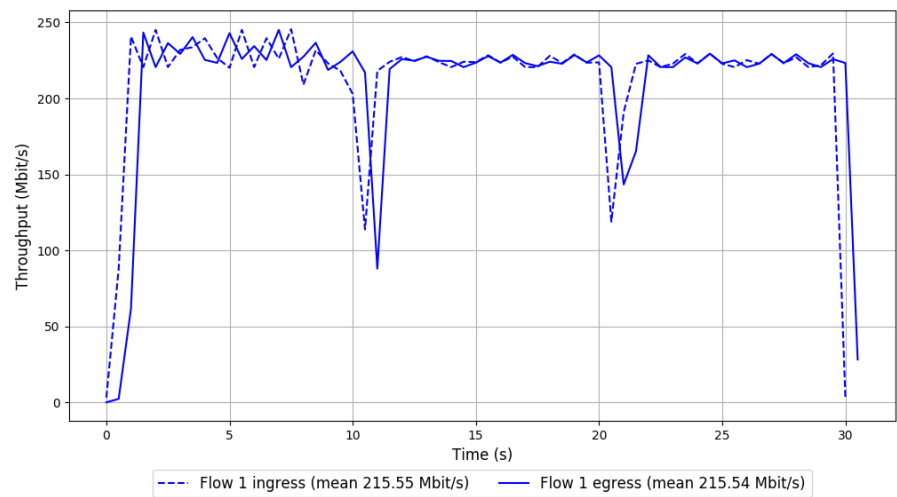


Run 3: Statistics of TCP BBR

Start at: 2018-06-01 05:57:19
End at: 2018-06-01 05:57:49
Local clock offset: 0.19 ms
Remote clock offset: -0.394 ms

Below is generated by plot.py at 2018-06-01 08:36:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 215.54 Mbit/s
95th percentile per-packet one-way delay: 57.331 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 215.54 Mbit/s
95th percentile per-packet one-way delay: 57.331 ms
Loss rate: 0.01%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-06-01 06:17:58

End at: 2018-06-01 06:18:28

Local clock offset: -0.287 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-06-01 08:36:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.39 Mbit/s

95th percentile per-packet one-way delay: 57.136 ms

Loss rate: 0.01%

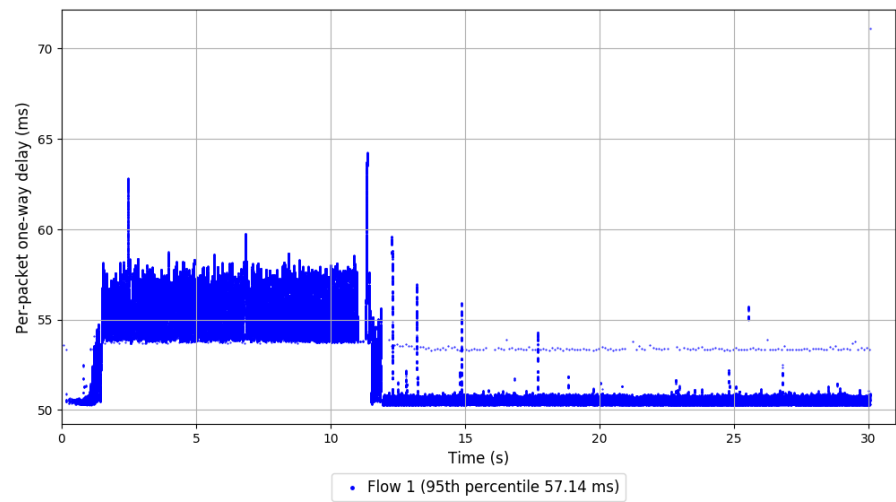
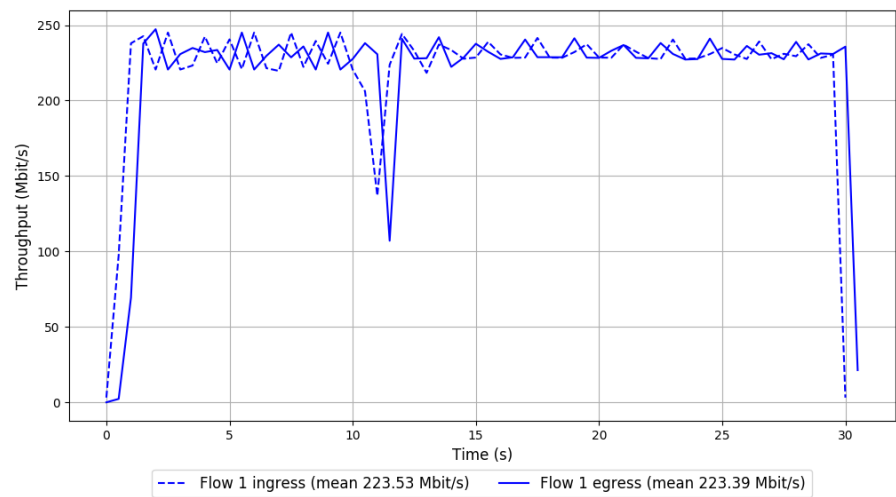
-- Flow 1:

Average throughput: 223.39 Mbit/s

95th percentile per-packet one-way delay: 57.136 ms

Loss rate: 0.01%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-06-01 06:38:10

End at: 2018-06-01 06:38:40

Local clock offset: -0.281 ms

Remote clock offset: -0.29 ms

Below is generated by plot.py at 2018-06-01 08:36:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.61 Mbit/s

95th percentile per-packet one-way delay: 55.352 ms

Loss rate: 0.00%

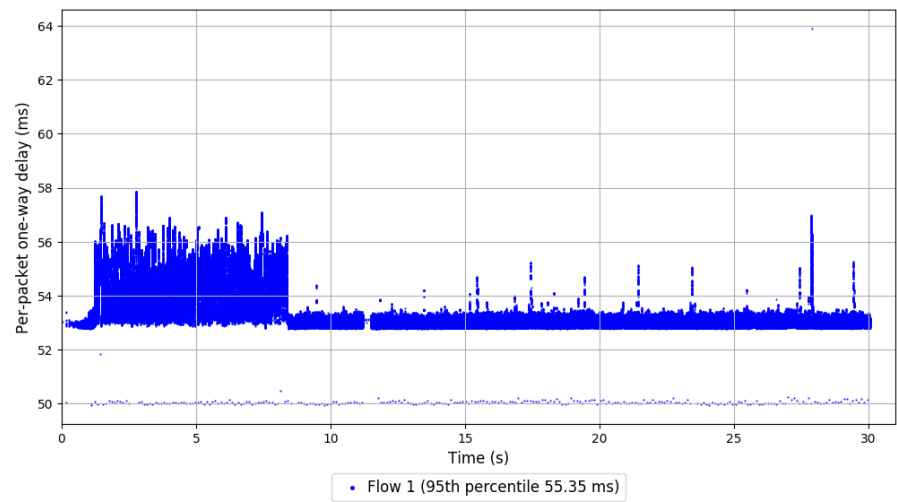
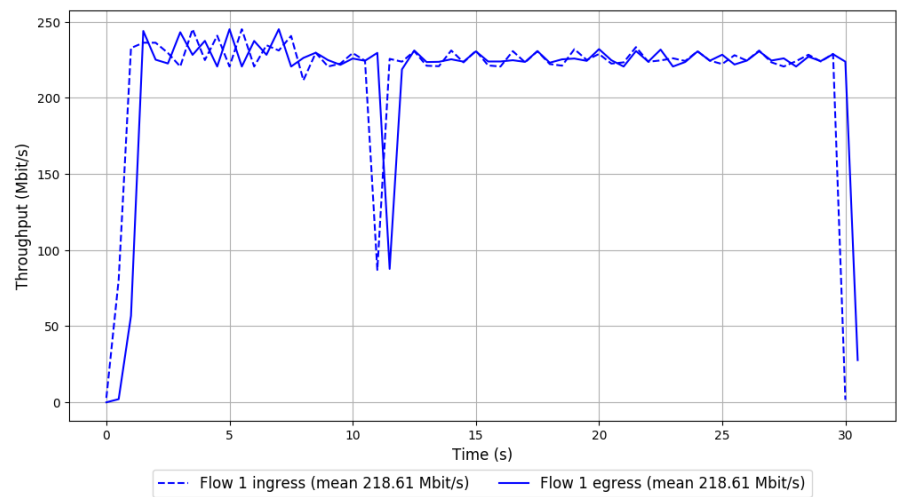
-- Flow 1:

Average throughput: 218.61 Mbit/s

95th percentile per-packet one-way delay: 55.352 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-06-01 06:58:34

End at: 2018-06-01 06:59:04

Local clock offset: -0.089 ms

Remote clock offset: 0.162 ms

Below is generated by plot.py at 2018-06-01 08:36:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.16 Mbit/s

95th percentile per-packet one-way delay: 53.630 ms

Loss rate: 0.01%

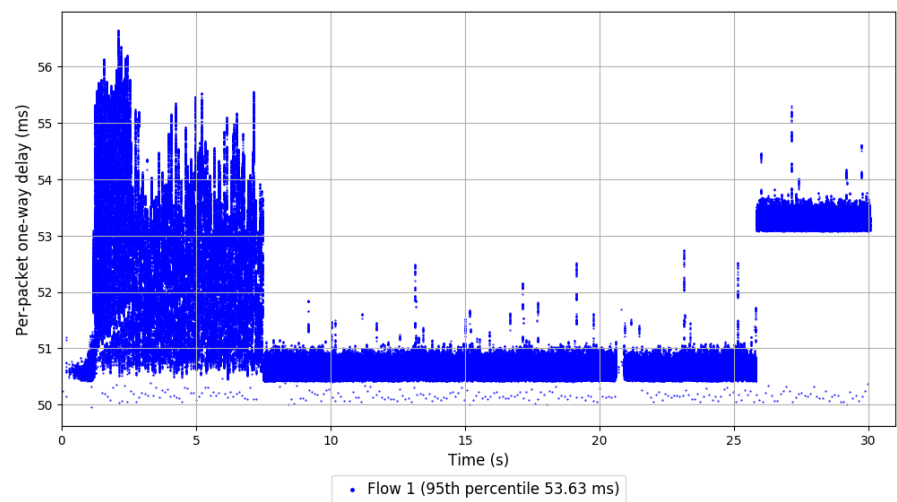
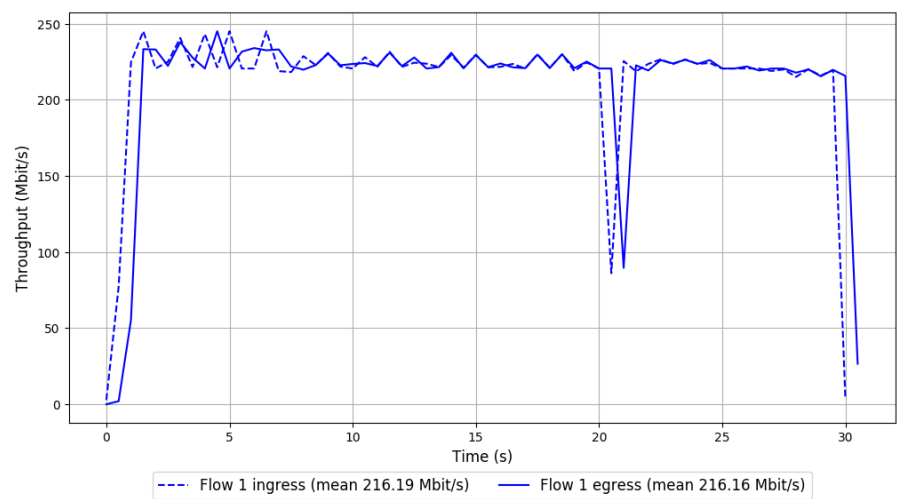
-- Flow 1:

Average throughput: 216.16 Mbit/s

95th percentile per-packet one-way delay: 53.630 ms

Loss rate: 0.01%

Run 6: Report of TCP BBR — Data Link

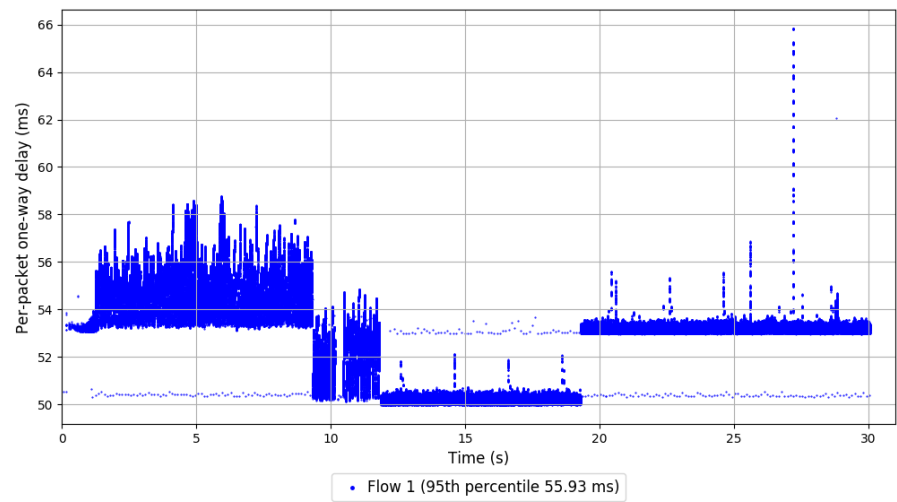
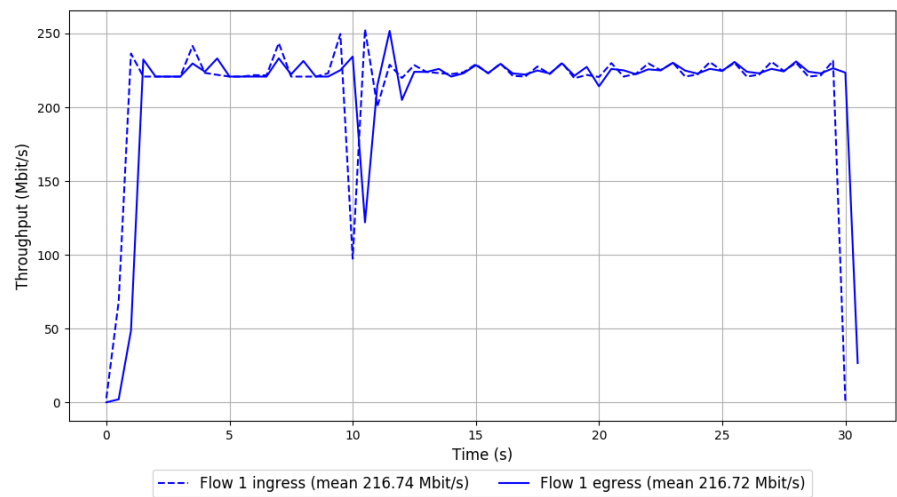


Run 7: Statistics of TCP BBR

Start at: 2018-06-01 07:18:40
End at: 2018-06-01 07:19:10
Local clock offset: -0.094 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-06-01 08:36:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.72 Mbit/s
95th percentile per-packet one-way delay: 55.934 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 216.72 Mbit/s
95th percentile per-packet one-way delay: 55.934 ms
Loss rate: 0.01%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-06-01 07:38:34

End at: 2018-06-01 07:39:04

Local clock offset: -0.174 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-06-01 08:36:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.47 Mbit/s

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

Loss rate: 0.01%

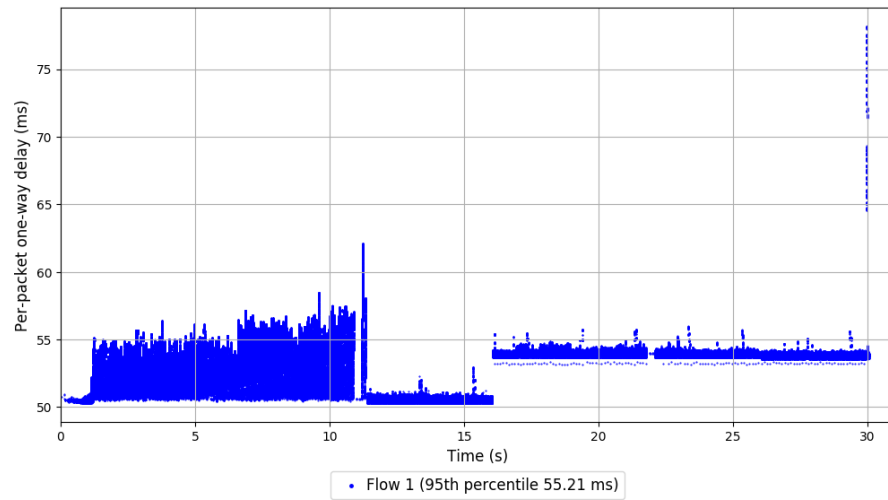
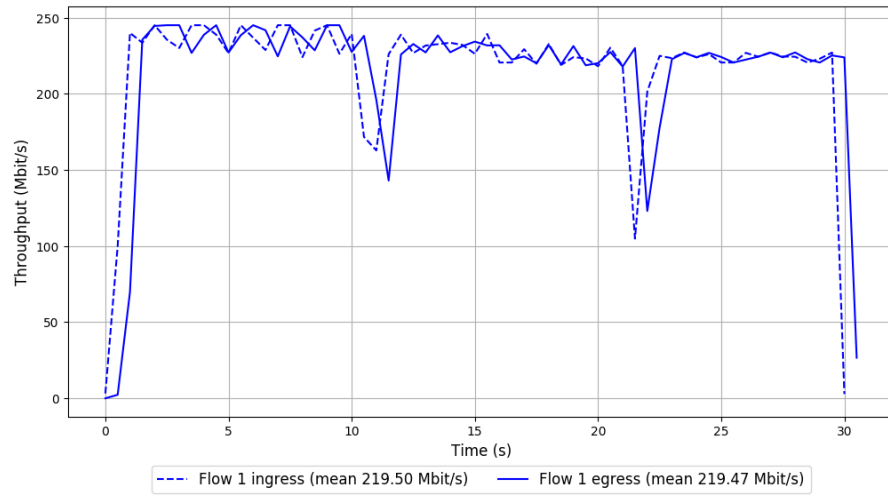
-- Flow 1:

Average throughput: 219.47 Mbit/s

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

Loss rate: 0.01%

Run 8: Report of TCP BBR — Data Link

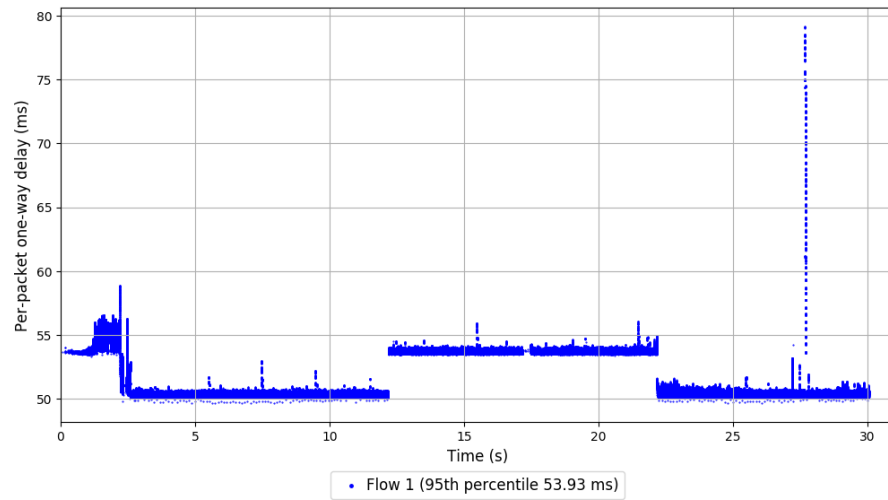
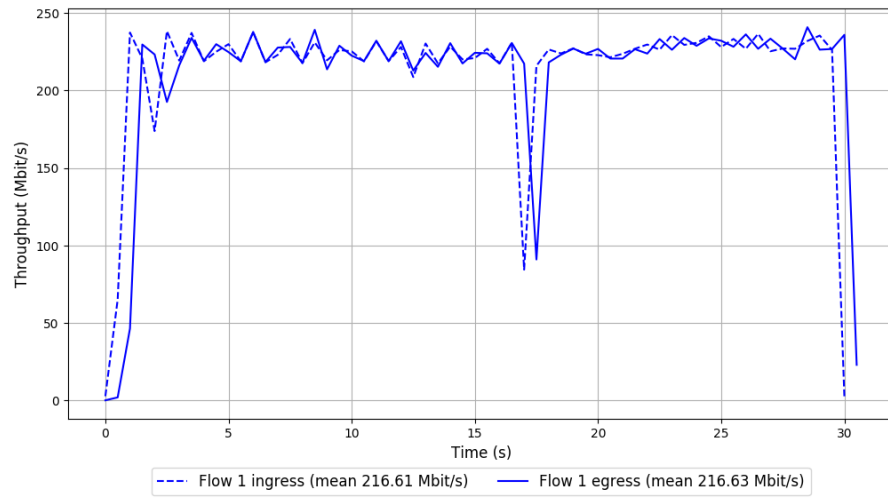


Run 9: Statistics of TCP BBR

Start at: 2018-06-01 07:59:28
End at: 2018-06-01 07:59:58
Local clock offset: -0.177 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2018-06-01 08:39:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.63 Mbit/s
95th percentile per-packet one-way delay: 53.934 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 216.63 Mbit/s
95th percentile per-packet one-way delay: 53.934 ms
Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link

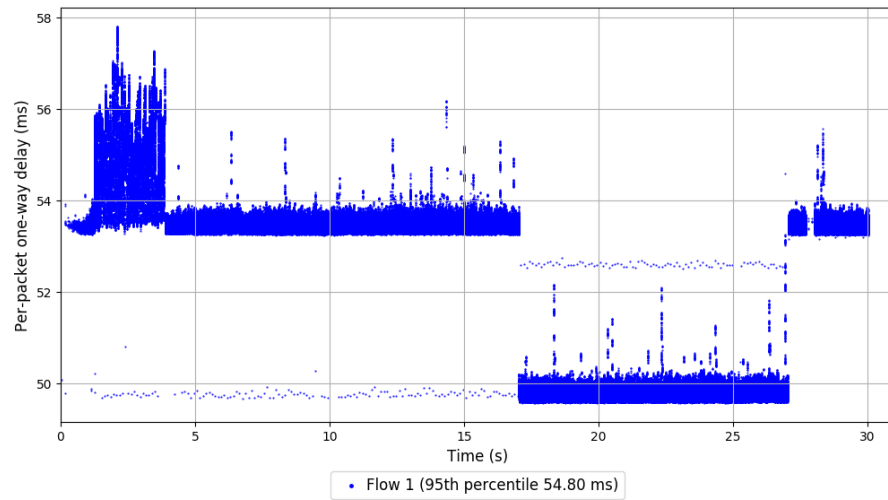
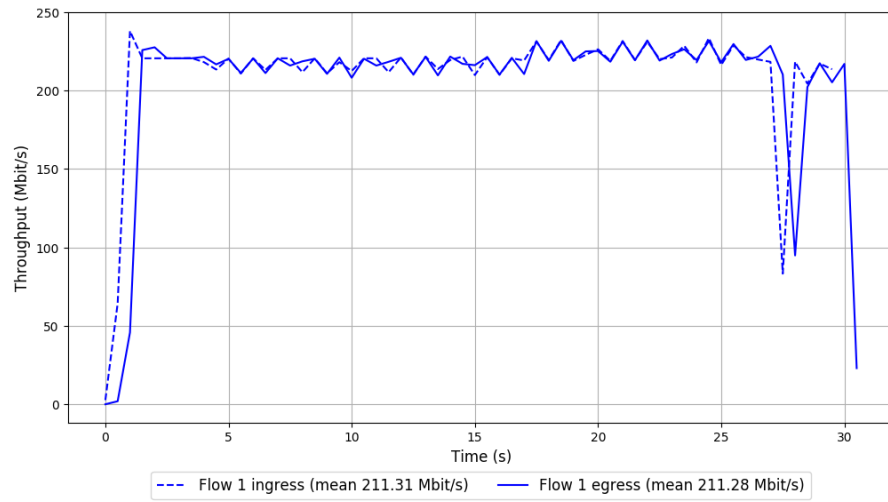


Run 10: Statistics of TCP BBR

Start at: 2018-06-01 08:20:13
End at: 2018-06-01 08:20:43
Local clock offset: -0.113 ms
Remote clock offset: -0.331 ms

Below is generated by plot.py at 2018-06-01 08:39:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 211.28 Mbit/s
95th percentile per-packet one-way delay: 54.796 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 211.28 Mbit/s
95th percentile per-packet one-way delay: 54.796 ms
Loss rate: 0.01%

Run 10: Report of TCP BBR — Data Link

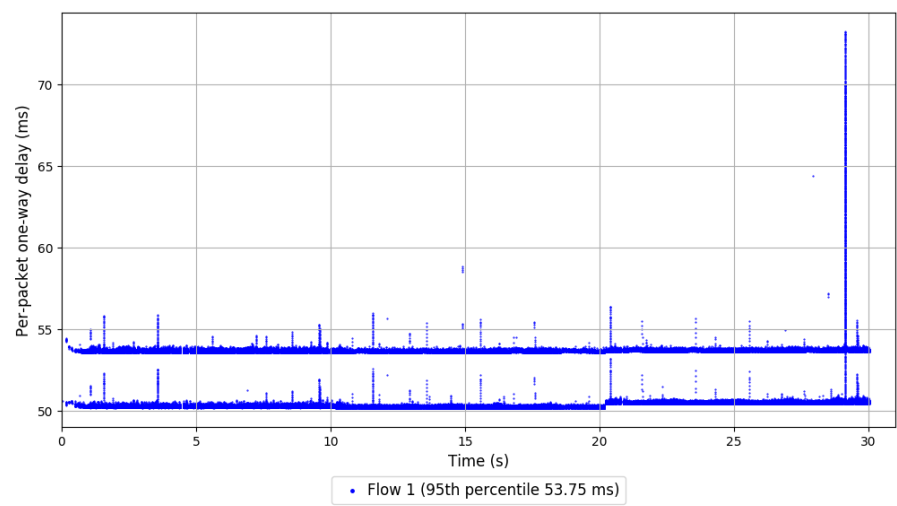
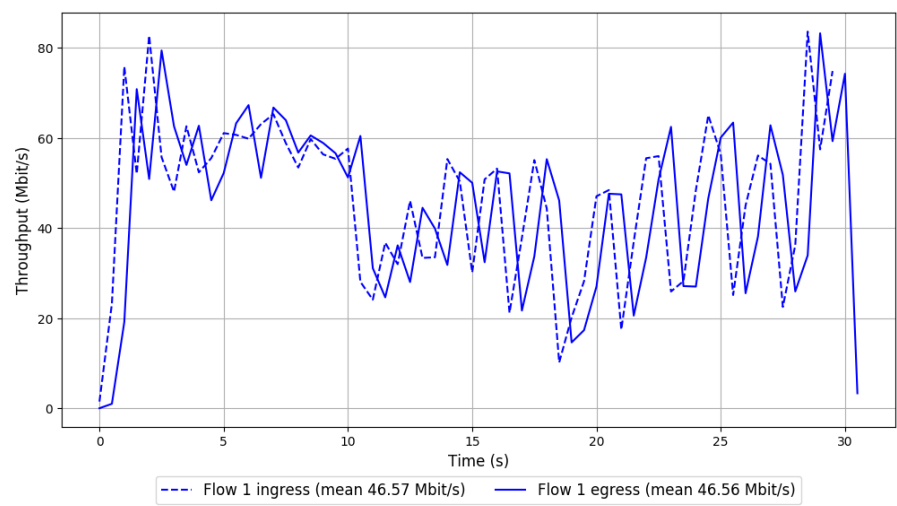


Run 1: Statistics of Copa

Start at: 2018-06-01 05:02:49
End at: 2018-06-01 05:03:19
Local clock offset: -0.358 ms
Remote clock offset: -0.157 ms

Below is generated by plot.py at 2018-06-01 08:39:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 46.56 Mbit/s
95th percentile per-packet one-way delay: 53.748 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.56 Mbit/s
95th percentile per-packet one-way delay: 53.748 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

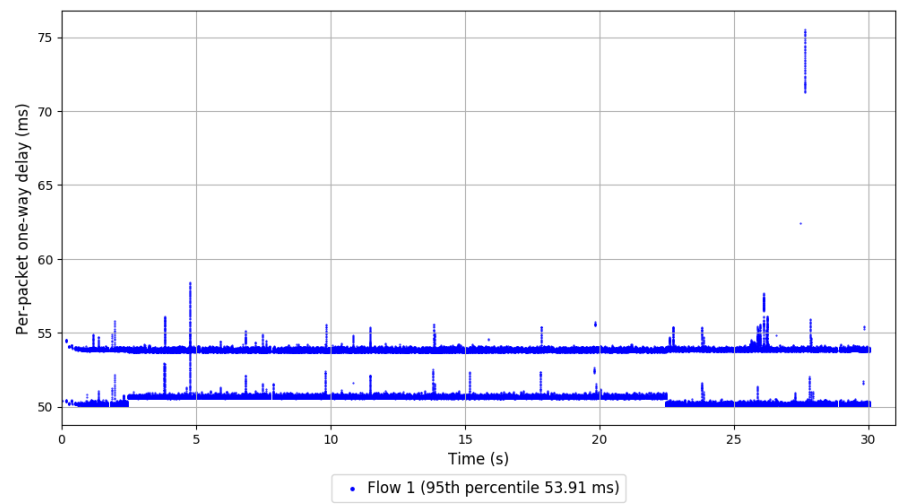
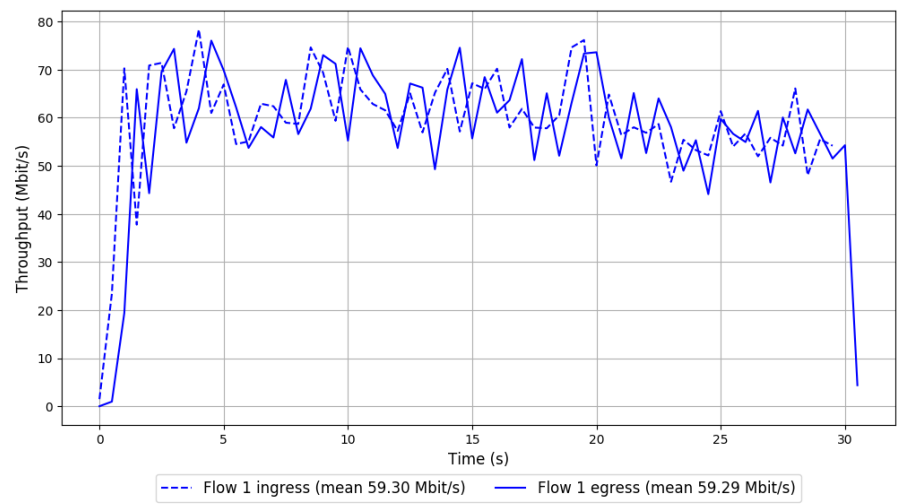


Run 2: Statistics of Copa

Start at: 2018-06-01 05:23:07
End at: 2018-06-01 05:23:37
Local clock offset: -0.286 ms
Remote clock offset: 0.177 ms

Below is generated by plot.py at 2018-06-01 08:39:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.29 Mbit/s
95th percentile per-packet one-way delay: 53.906 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 59.29 Mbit/s
95th percentile per-packet one-way delay: 53.906 ms
Loss rate: 0.02%

Run 2: Report of Copa — Data Link

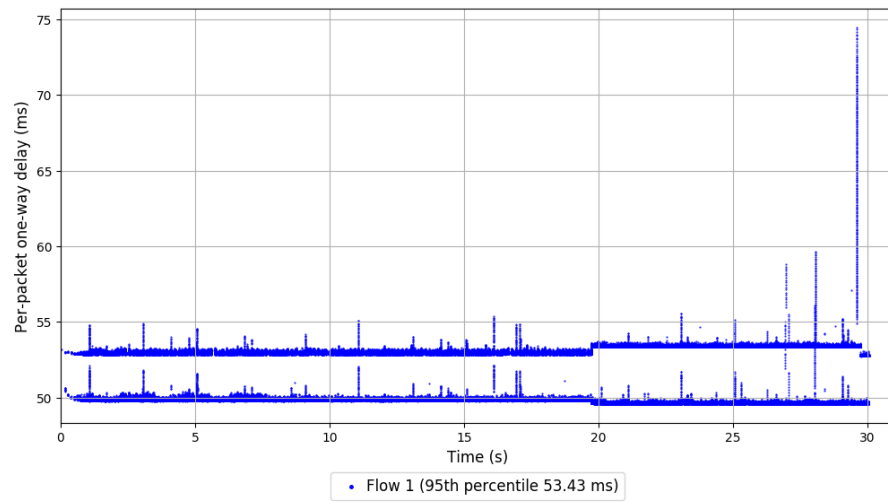
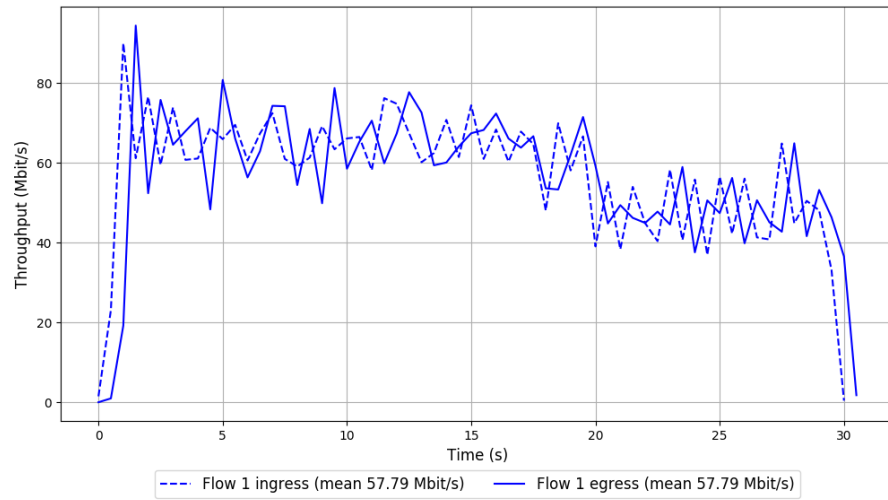


Run 3: Statistics of Copa

Start at: 2018-06-01 05:43:20
End at: 2018-06-01 05:43:50
Local clock offset: -0.184 ms
Remote clock offset: -0.219 ms

Below is generated by plot.py at 2018-06-01 08:39:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.79 Mbit/s
95th percentile per-packet one-way delay: 53.427 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.79 Mbit/s
95th percentile per-packet one-way delay: 53.427 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-06-01 06:03:35

End at: 2018-06-01 06:04:05

Local clock offset: -0.006 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-06-01 08:45:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 323.47 Mbit/s

95th percentile per-packet one-way delay: 58.331 ms

Loss rate: 0.00%

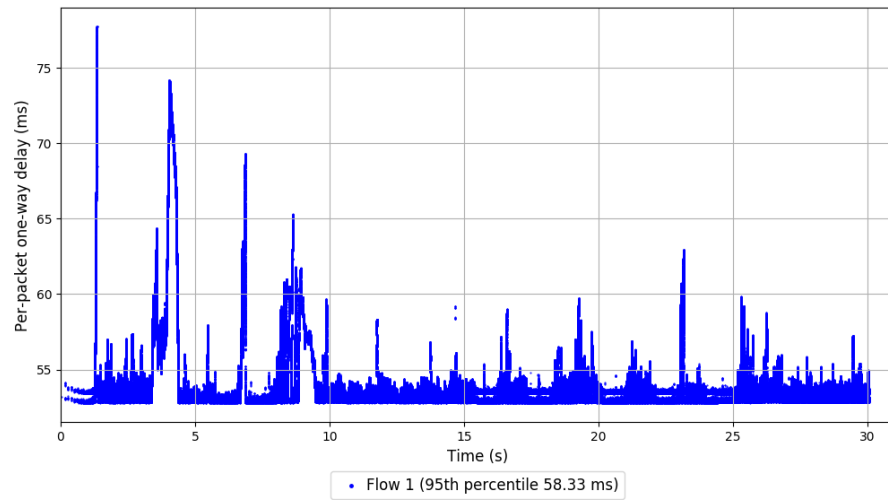
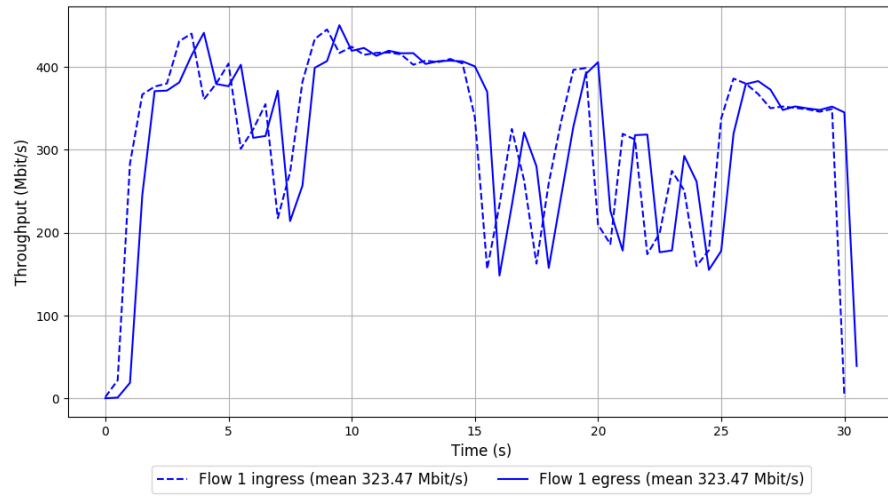
-- Flow 1:

Average throughput: 323.47 Mbit/s

95th percentile per-packet one-way delay: 58.331 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-06-01 06:24:15

End at: 2018-06-01 06:24:45

Local clock offset: -0.267 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-06-01 08:45:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 100.04 Mbit/s

95th percentile per-packet one-way delay: 55.113 ms

Loss rate: 0.01%

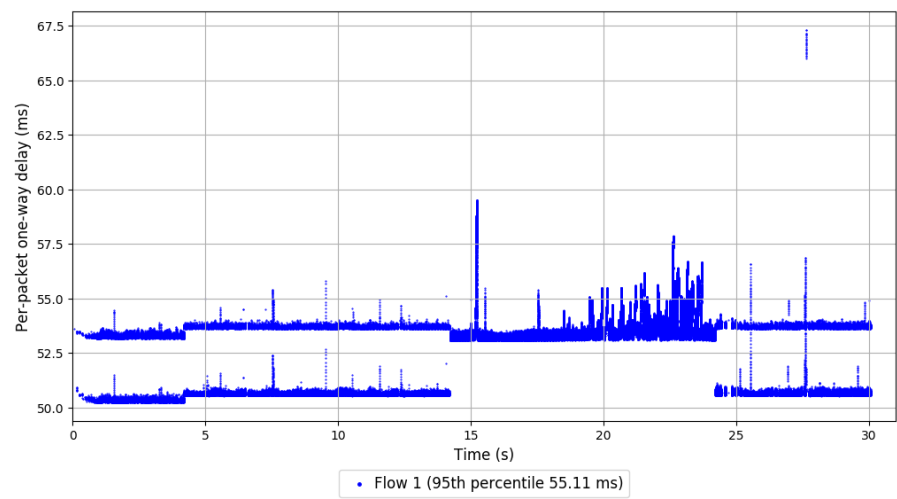
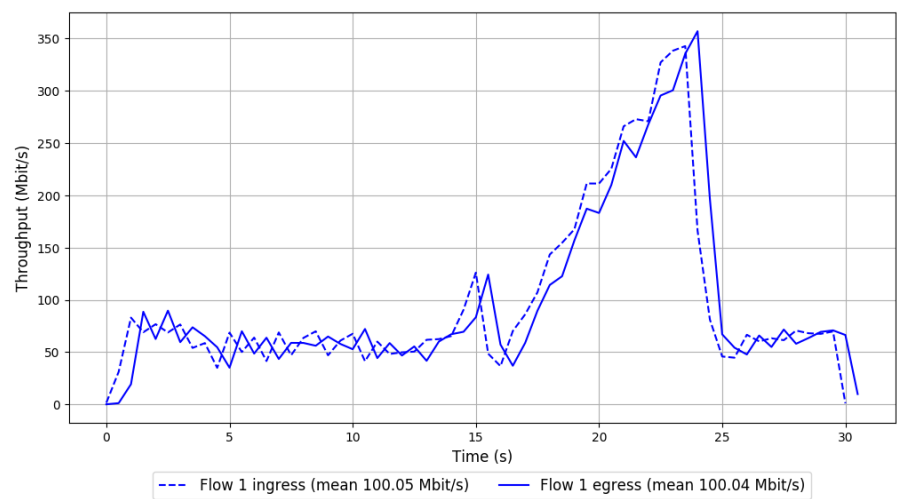
-- Flow 1:

Average throughput: 100.04 Mbit/s

95th percentile per-packet one-way delay: 55.113 ms

Loss rate: 0.01%

Run 5: Report of Copa — Data Link

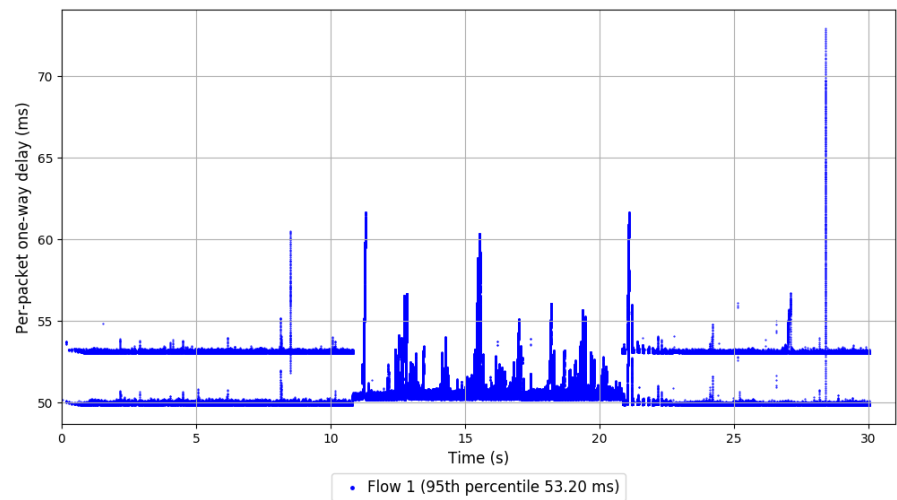
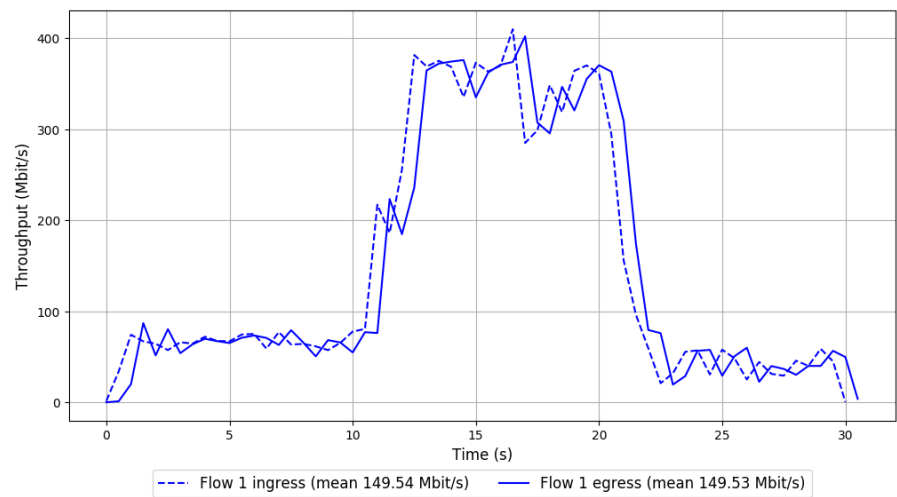


Run 6: Statistics of Copa

Start at: 2018-06-01 06:44:49
End at: 2018-06-01 06:45:19
Local clock offset: -0.263 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-06-01 08:45:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 149.53 Mbit/s
95th percentile per-packet one-way delay: 53.201 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 149.53 Mbit/s
95th percentile per-packet one-way delay: 53.201 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-06-01 07:04:49

End at: 2018-06-01 07:05:19

Local clock offset: -0.096 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-06-01 08:45:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.99 Mbit/s

95th percentile per-packet one-way delay: 53.219 ms

Loss rate: 0.01%

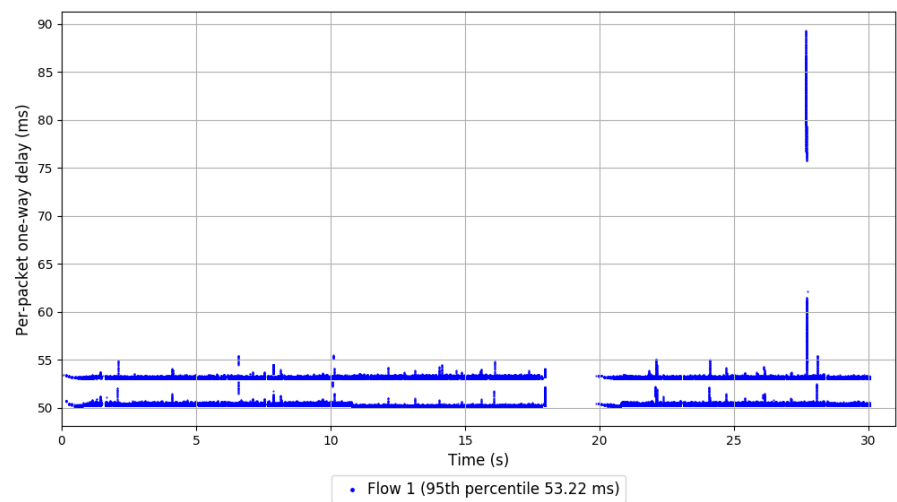
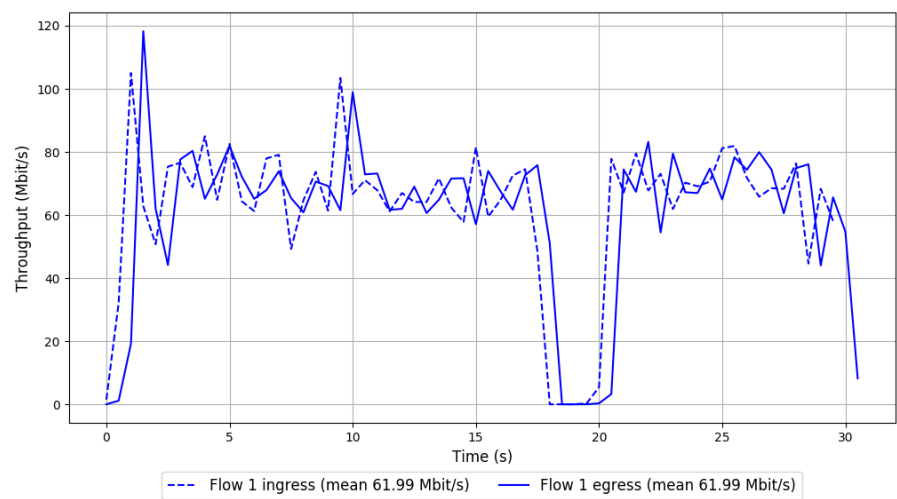
-- Flow 1:

Average throughput: 61.99 Mbit/s

95th percentile per-packet one-way delay: 53.219 ms

Loss rate: 0.01%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-06-01 07:24:56

End at: 2018-06-01 07:25:26

Local clock offset: -0.115 ms

Remote clock offset: 0.14 ms

Below is generated by plot.py at 2018-06-01 08:45:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 128.64 Mbit/s

95th percentile per-packet one-way delay: 57.827 ms

Loss rate: 0.00%

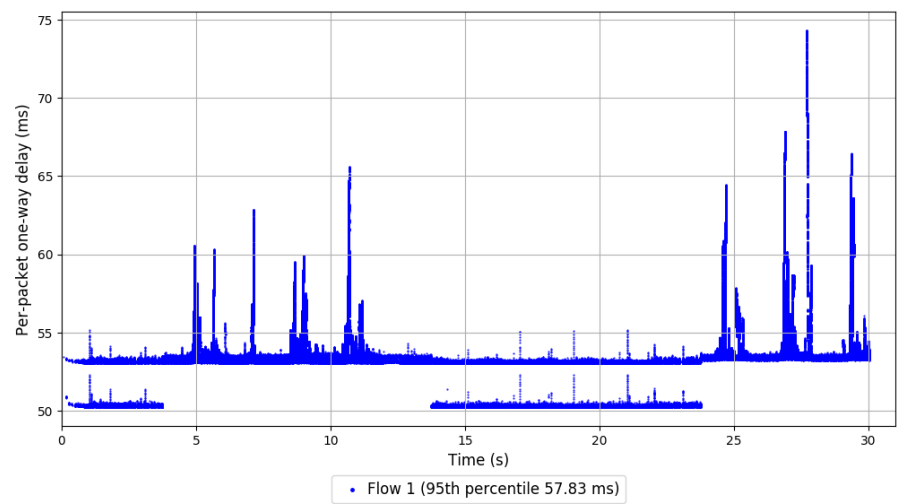
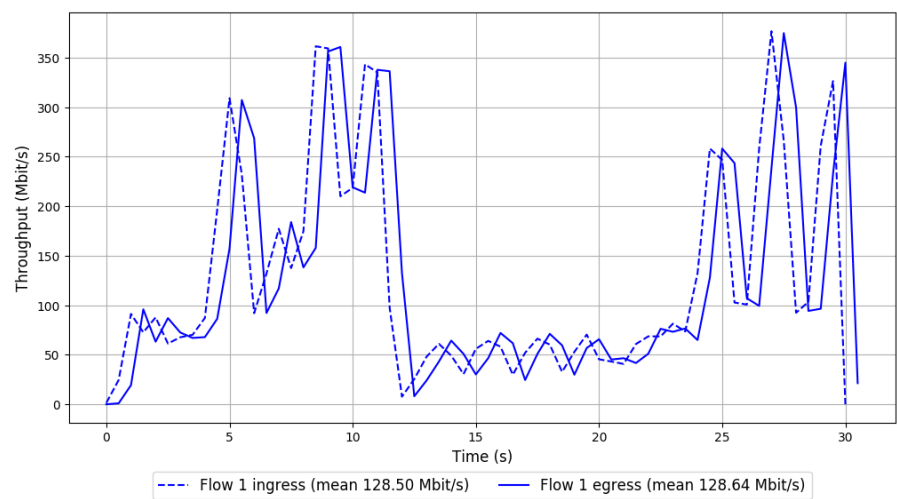
-- Flow 1:

Average throughput: 128.64 Mbit/s

95th percentile per-packet one-way delay: 57.827 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-06-01 07:45:10

End at: 2018-06-01 07:45:40

Local clock offset: -0.203 ms

Remote clock offset: 0.116 ms

Below is generated by plot.py at 2018-06-01 08:46:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 298.24 Mbit/s

95th percentile per-packet one-way delay: 60.140 ms

Loss rate: 0.26%

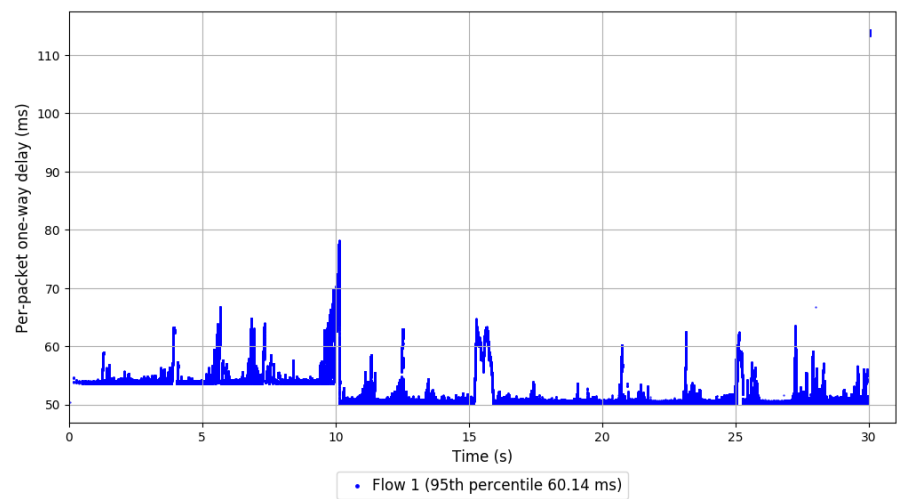
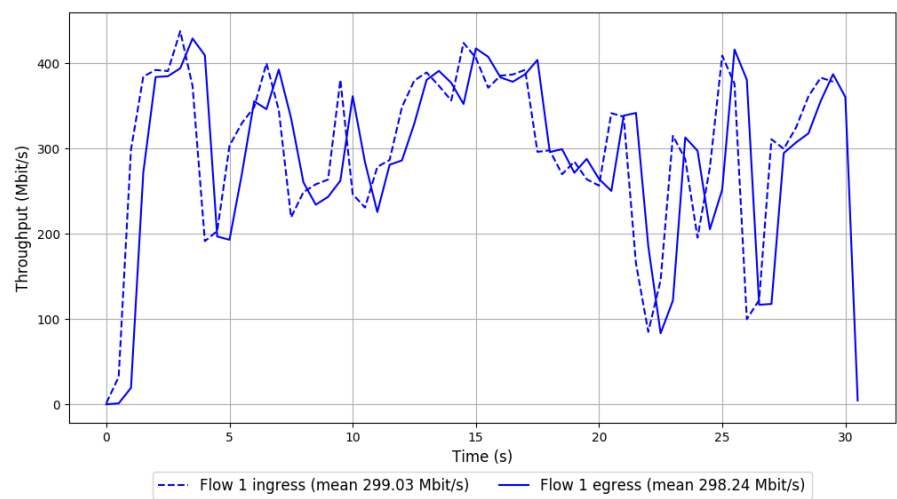
-- Flow 1:

Average throughput: 298.24 Mbit/s

95th percentile per-packet one-way delay: 60.140 ms

Loss rate: 0.26%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-06-01 08:06:02

End at: 2018-06-01 08:06:32

Local clock offset: -0.132 ms

Remote clock offset: 0.052 ms

Below is generated by plot.py at 2018-06-01 08:46:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 134.51 Mbit/s

95th percentile per-packet one-way delay: 57.230 ms

Loss rate: 0.00%

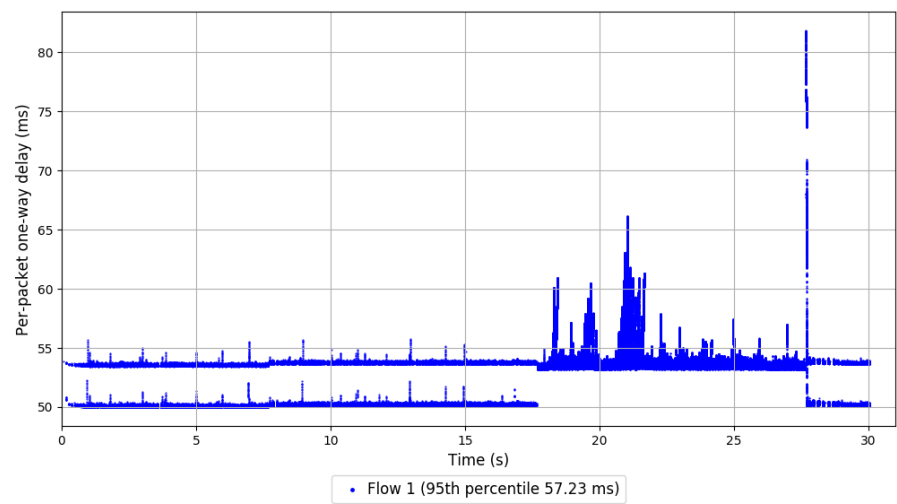
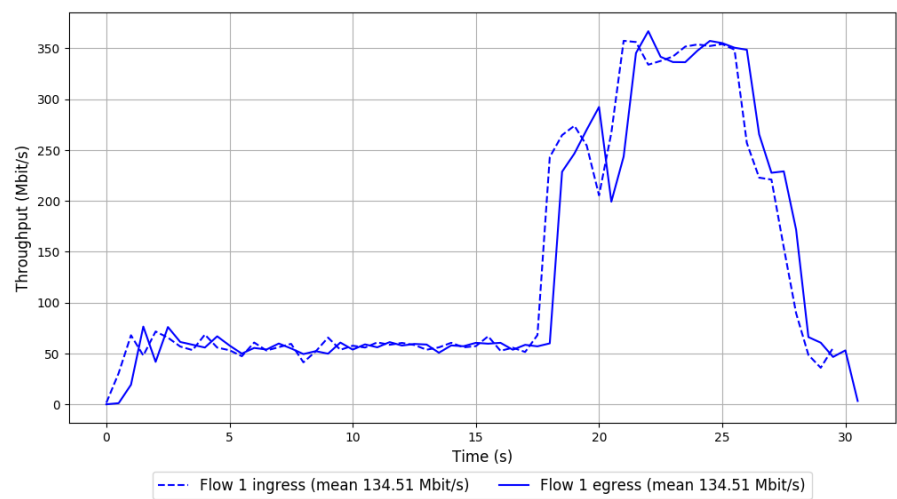
-- Flow 1:

Average throughput: 134.51 Mbit/s

95th percentile per-packet one-way delay: 57.230 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

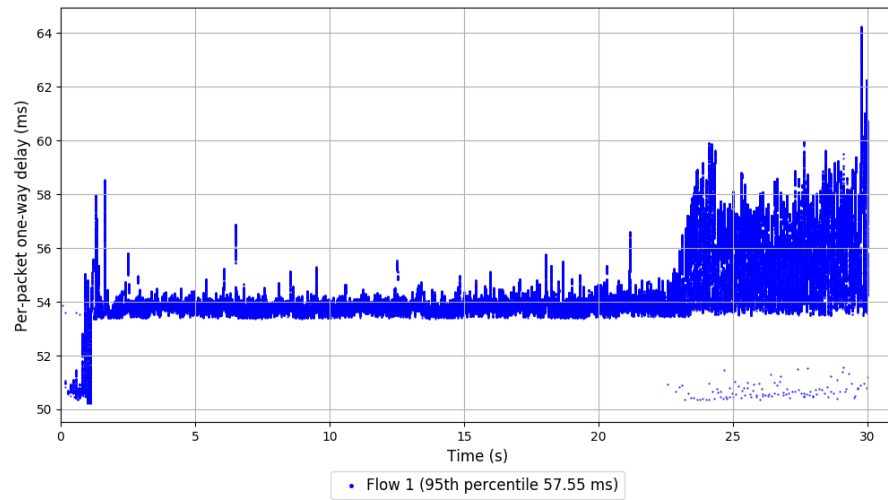
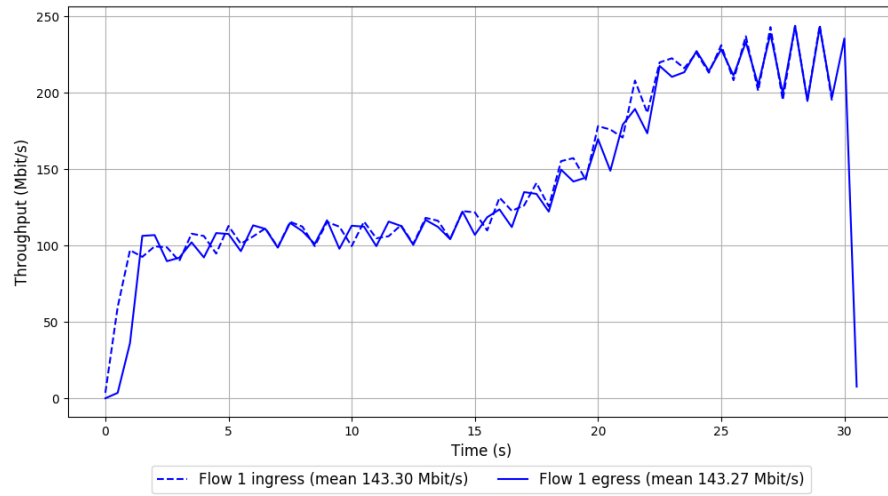


Run 1: Statistics of TCP Cubic

Start at: 2018-06-01 05:03:58
End at: 2018-06-01 05:04:29
Local clock offset: -0.026 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-06-01 08:46:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 143.27 Mbit/s
95th percentile per-packet one-way delay: 57.546 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 143.27 Mbit/s
95th percentile per-packet one-way delay: 57.546 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

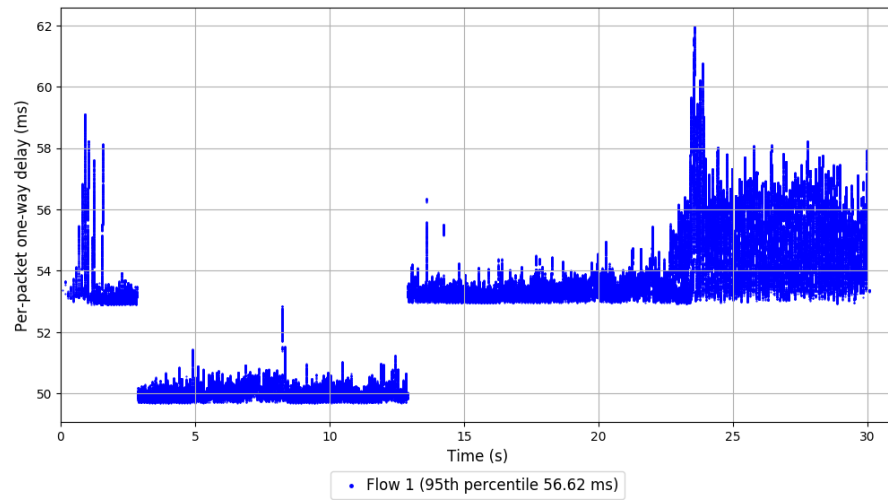
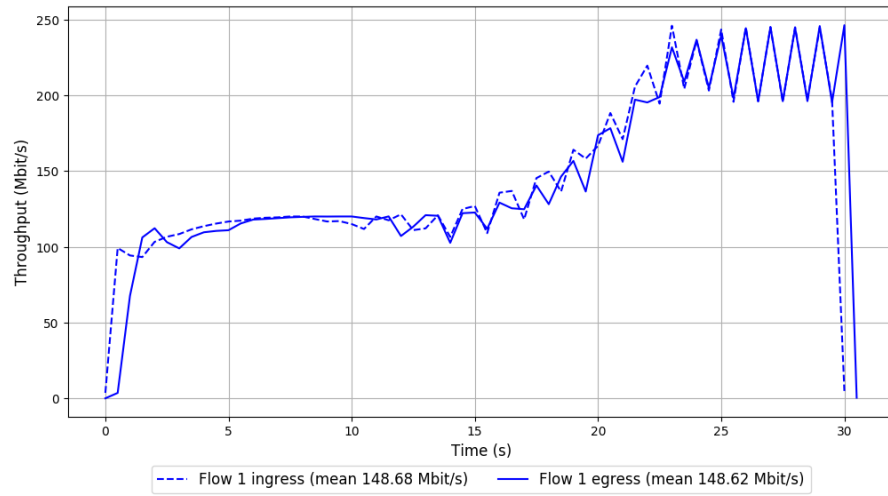


Run 2: Statistics of TCP Cubic

Start at: 2018-06-01 05:24:17
End at: 2018-06-01 05:24:47
Local clock offset: 0.174 ms
Remote clock offset: -0.233 ms

Below is generated by plot.py at 2018-06-01 08:46:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 148.62 Mbit/s
95th percentile per-packet one-way delay: 56.624 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 148.62 Mbit/s
95th percentile per-packet one-way delay: 56.624 ms
Loss rate: 0.05%

Run 2: Report of TCP Cubic — Data Link

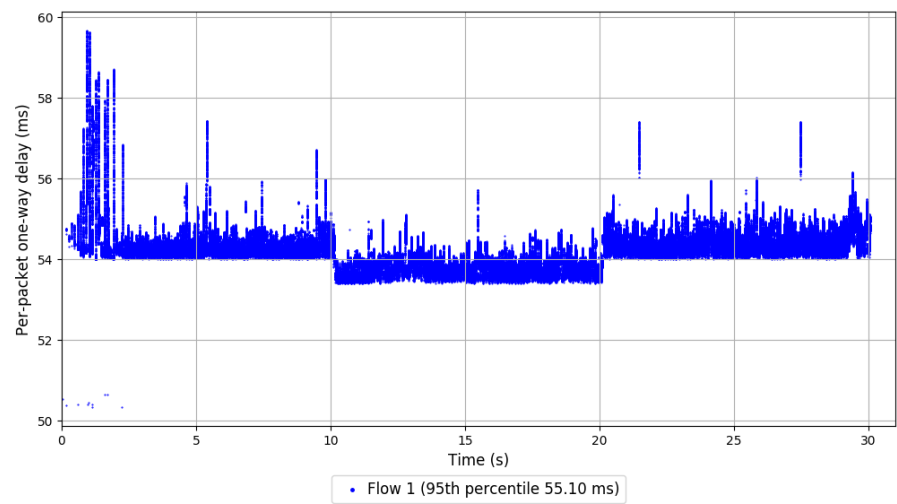
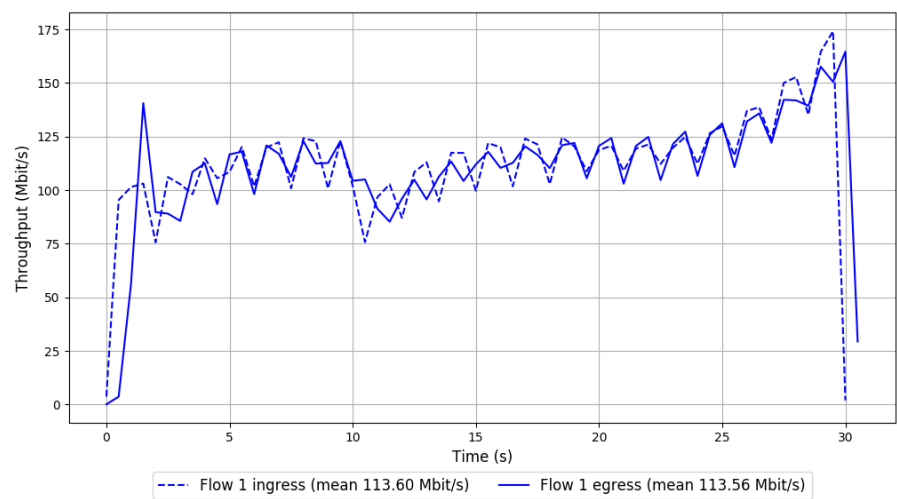


Run 3: Statistics of TCP Cubic

Start at: 2018-06-01 05:44:30
End at: 2018-06-01 05:45:00
Local clock offset: -0.663 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-06-01 08:46:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 113.56 Mbit/s
95th percentile per-packet one-way delay: 55.096 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 113.56 Mbit/s
95th percentile per-packet one-way delay: 55.096 ms
Loss rate: 0.02%

Run 3: Report of TCP Cubic — Data Link

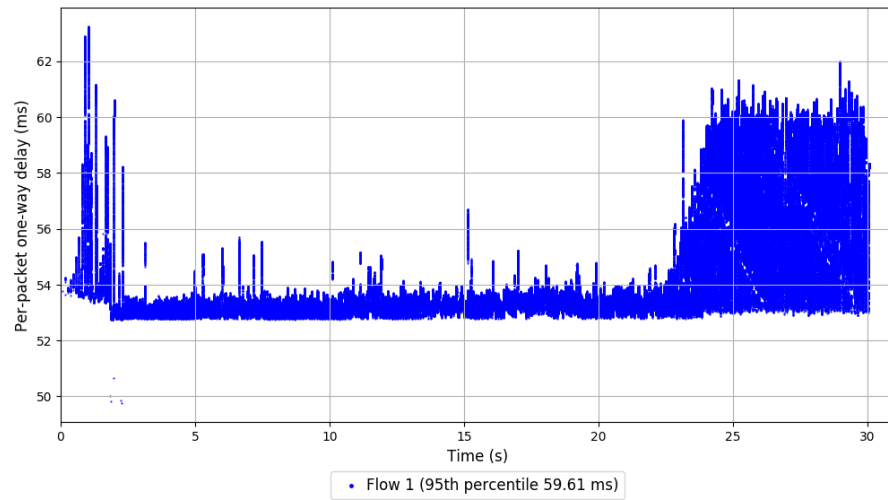
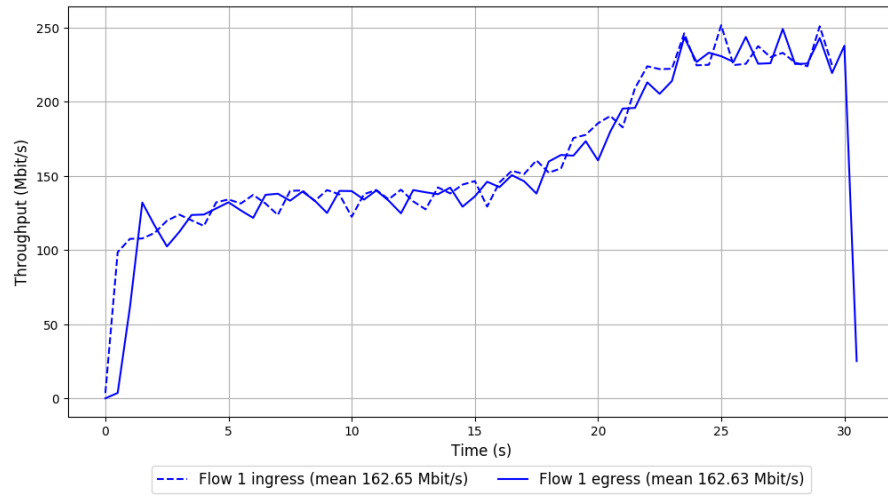


Run 4: Statistics of TCP Cubic

Start at: 2018-06-01 06:05:08
End at: 2018-06-01 06:05:38
Local clock offset: -0.155 ms
Remote clock offset: -0.253 ms

Below is generated by plot.py at 2018-06-01 08:46:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 162.63 Mbit/s
95th percentile per-packet one-way delay: 59.608 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 162.63 Mbit/s
95th percentile per-packet one-way delay: 59.608 ms
Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link

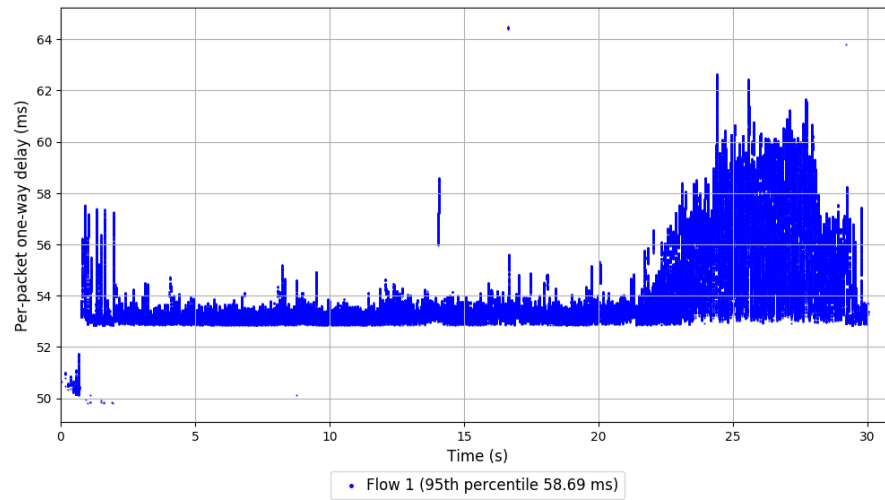
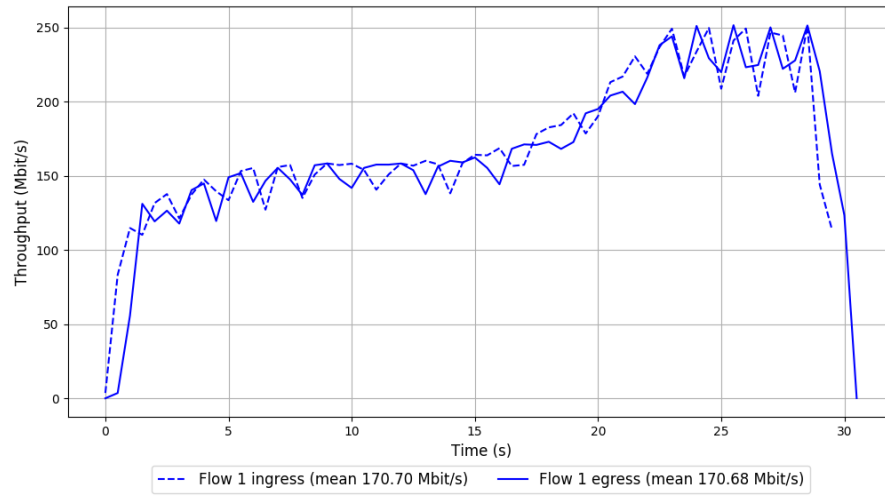


Run 5: Statistics of TCP Cubic

Start at: 2018-06-01 06:25:29
End at: 2018-06-01 06:25:59
Local clock offset: -0.266 ms
Remote clock offset: -0.214 ms

Below is generated by plot.py at 2018-06-01 08:46:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 170.68 Mbit/s
95th percentile per-packet one-way delay: 58.692 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 170.68 Mbit/s
95th percentile per-packet one-way delay: 58.692 ms
Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-06-01 06:46:07

End at: 2018-06-01 06:46:37

Local clock offset: -0.093 ms

Remote clock offset: 0.2 ms

Below is generated by plot.py at 2018-06-01 08:46:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 136.49 Mbit/s

95th percentile per-packet one-way delay: 56.896 ms

Loss rate: 0.00%

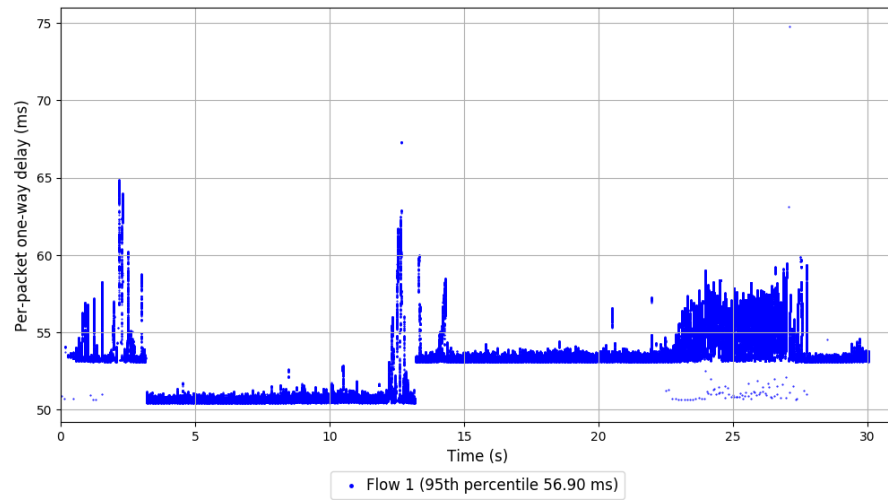
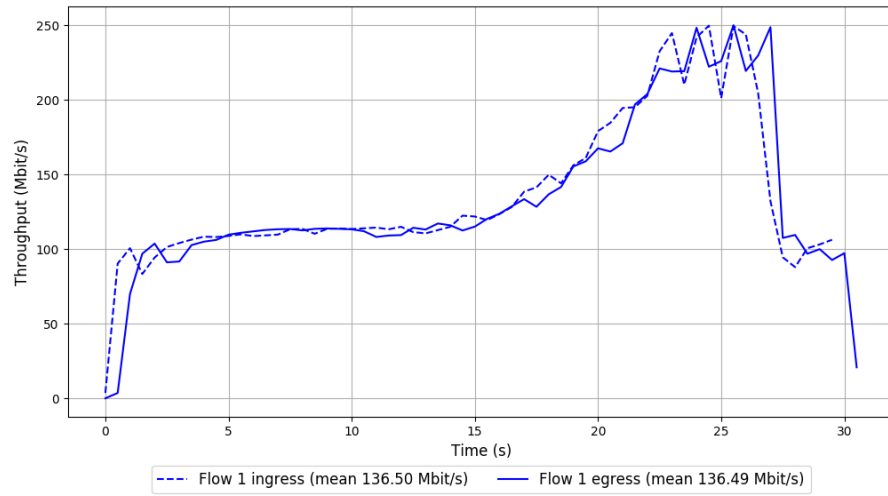
-- Flow 1:

Average throughput: 136.49 Mbit/s

95th percentile per-packet one-way delay: 56.896 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link

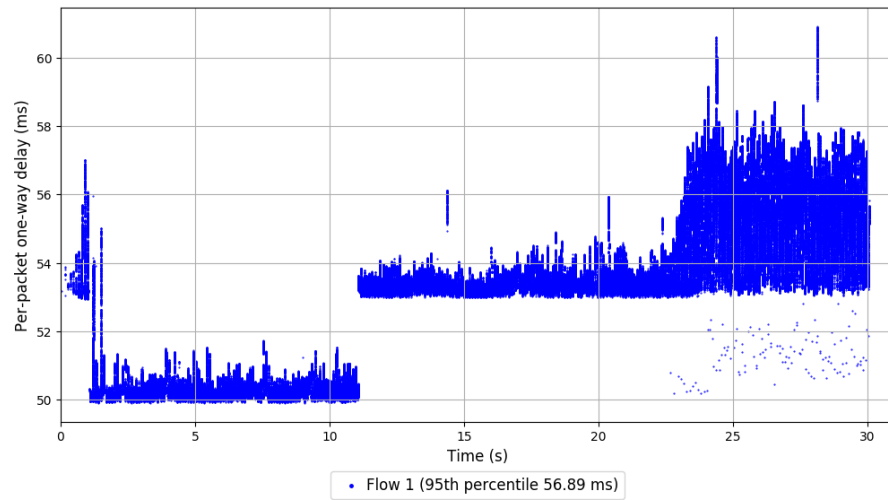
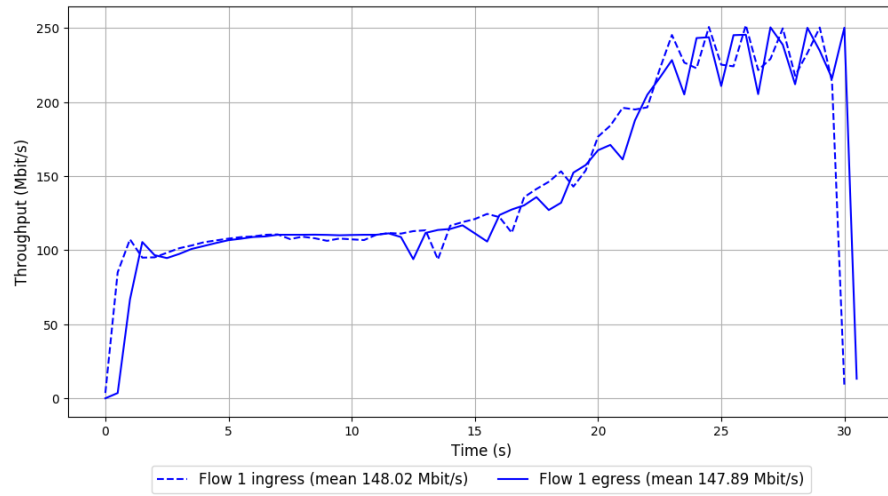


Run 7: Statistics of TCP Cubic

Start at: 2018-06-01 07:05:59
End at: 2018-06-01 07:06:29
Local clock offset: -0.053 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2018-06-01 08:46:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 147.89 Mbit/s
95th percentile per-packet one-way delay: 56.892 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 147.89 Mbit/s
95th percentile per-packet one-way delay: 56.892 ms
Loss rate: 0.10%

Run 7: Report of TCP Cubic — Data Link

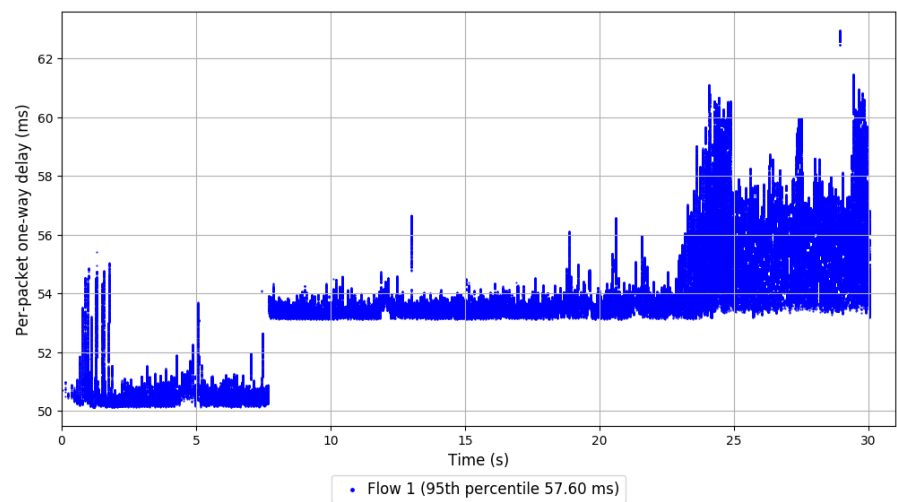
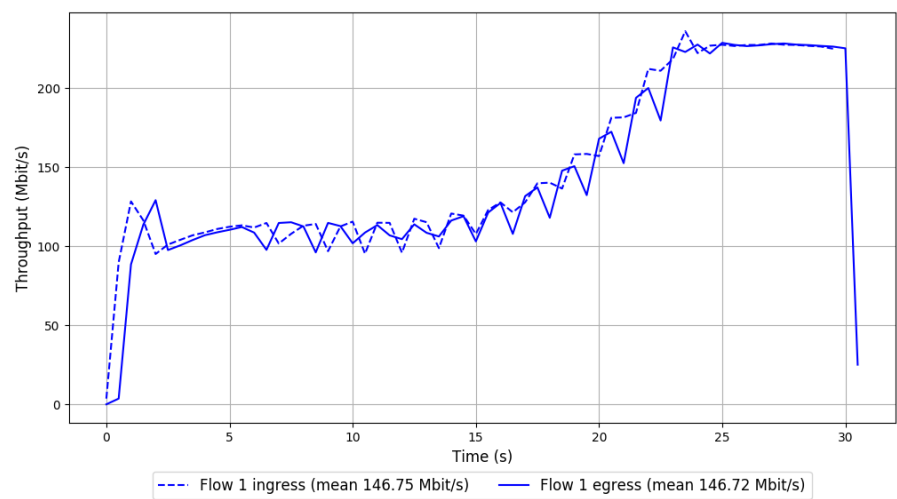


Run 8: Statistics of TCP Cubic

Start at: 2018-06-01 07:26:12
End at: 2018-06-01 07:26:42
Local clock offset: -0.266 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-06-01 08:46:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 146.72 Mbit/s
95th percentile per-packet one-way delay: 57.600 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 146.72 Mbit/s
95th percentile per-packet one-way delay: 57.600 ms
Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link

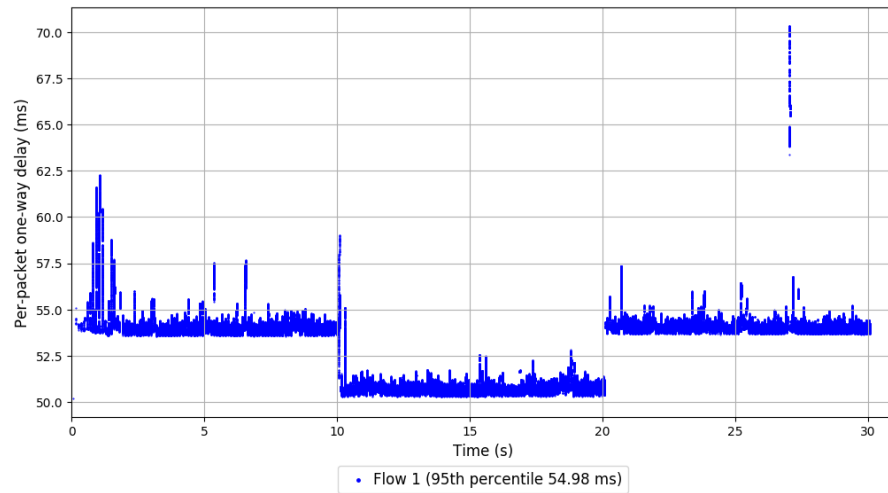
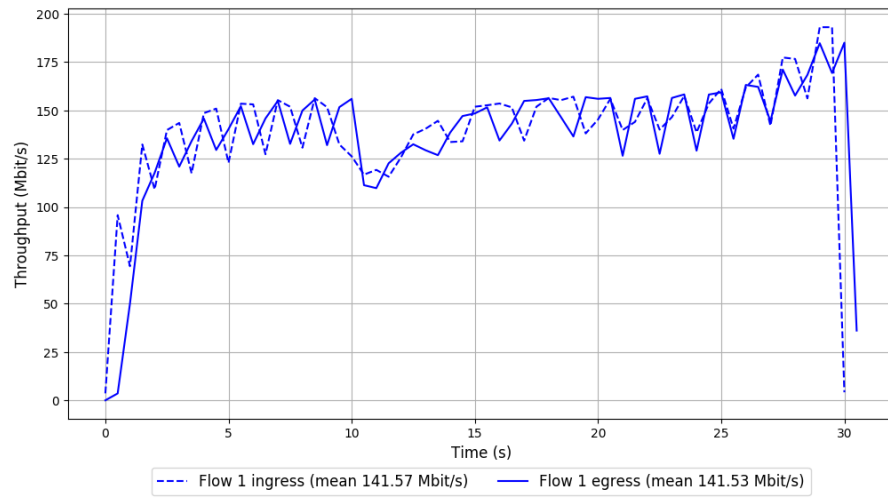


Run 9: Statistics of TCP Cubic

Start at: 2018-06-01 07:46:40
End at: 2018-06-01 07:47:10
Local clock offset: -0.264 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-06-01 08:46:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 141.53 Mbit/s
95th percentile per-packet one-way delay: 54.985 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 141.53 Mbit/s
95th percentile per-packet one-way delay: 54.985 ms
Loss rate: 0.03%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-06-01 08:07:18

End at: 2018-06-01 08:07:48

Local clock offset: 0.13 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-06-01 08:46:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 157.04 Mbit/s

95th percentile per-packet one-way delay: 60.643 ms

Loss rate: 0.00%

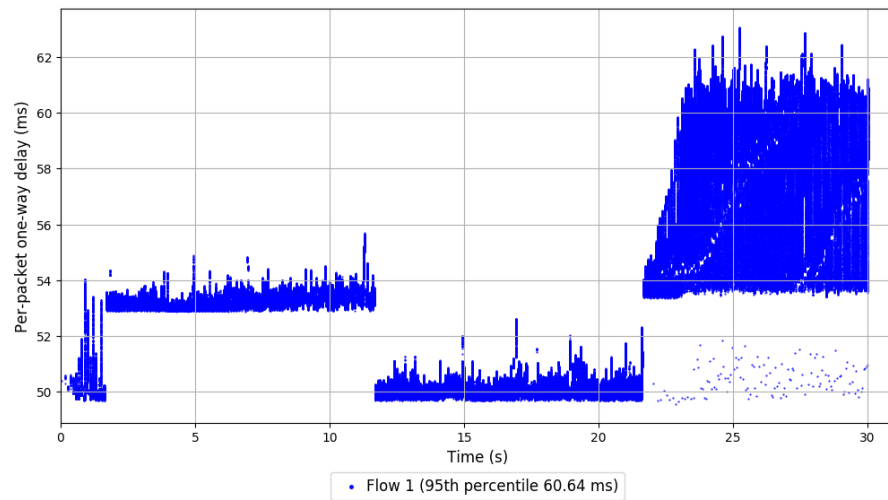
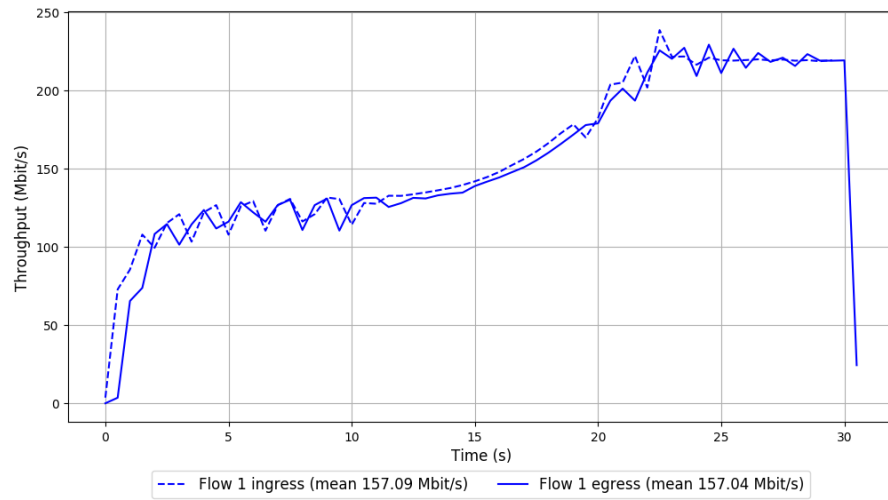
-- Flow 1:

Average throughput: 157.04 Mbit/s

95th percentile per-packet one-way delay: 60.643 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

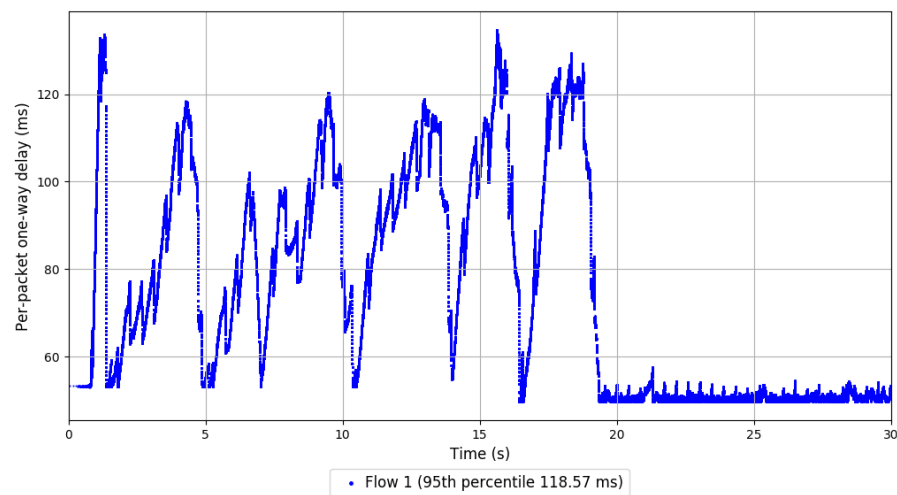
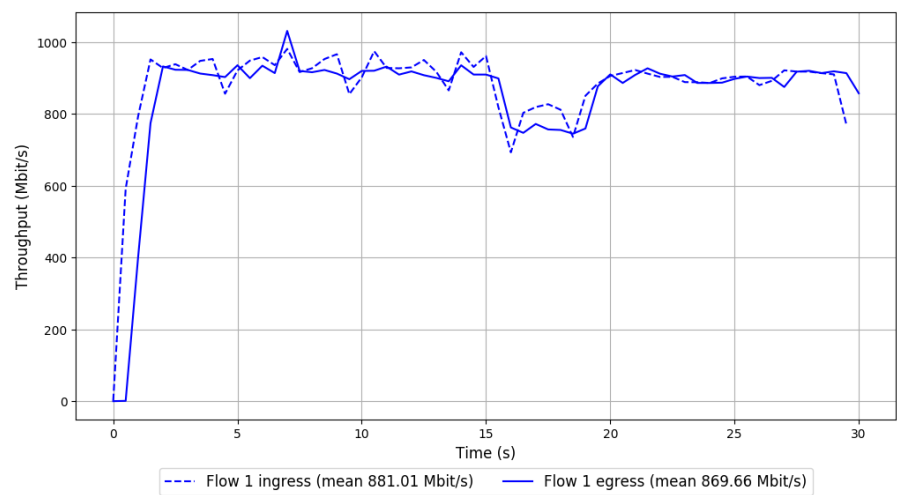


Run 1: Statistics of FillP

Start at: 2018-06-01 05:09:04
End at: 2018-06-01 05:09:34
Local clock offset: 0.162 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-06-01 09:00:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 869.66 Mbit/s
95th percentile per-packet one-way delay: 118.574 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 869.66 Mbit/s
95th percentile per-packet one-way delay: 118.574 ms
Loss rate: 1.30%

Run 1: Report of FillP — Data Link

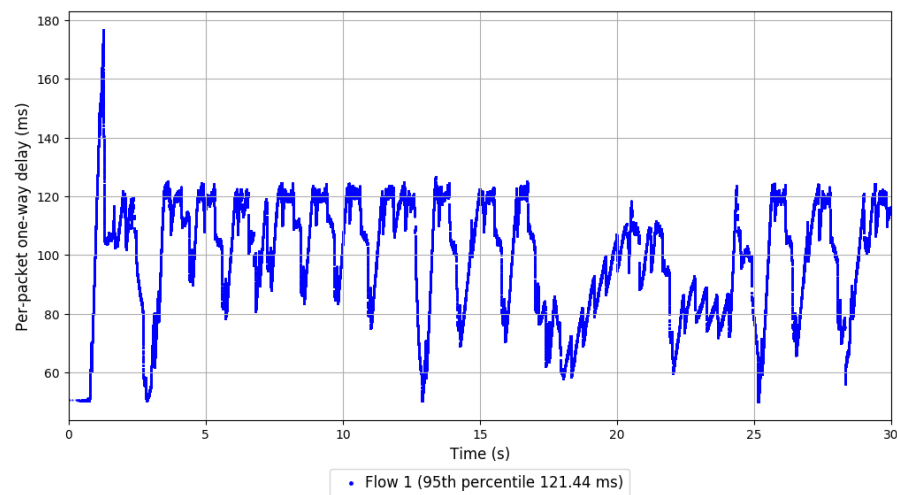
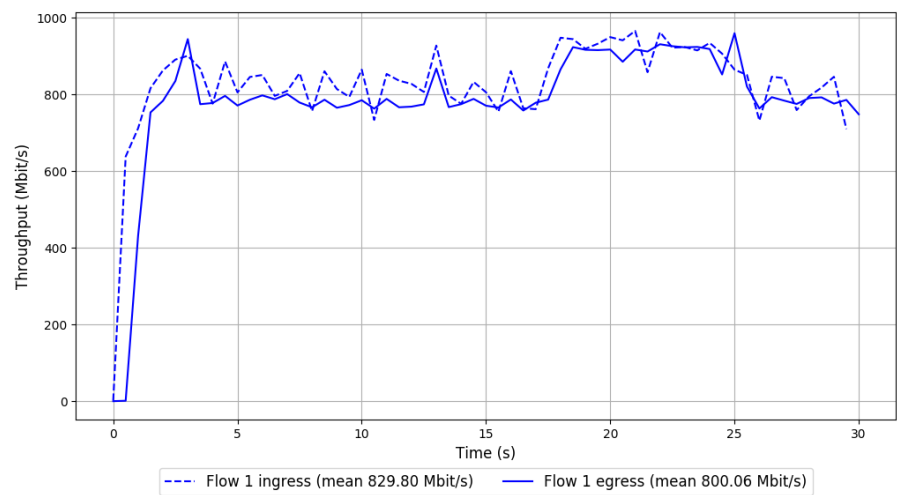


Run 2: Statistics of FillP

Start at: 2018-06-01 05:29:25
End at: 2018-06-01 05:29:55
Local clock offset: -0.306 ms
Remote clock offset: -0.214 ms

Below is generated by plot.py at 2018-06-01 09:00:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 800.06 Mbit/s
95th percentile per-packet one-way delay: 121.435 ms
Loss rate: 3.58%
-- Flow 1:
Average throughput: 800.06 Mbit/s
95th percentile per-packet one-way delay: 121.435 ms
Loss rate: 3.58%

Run 2: Report of FillP — Data Link

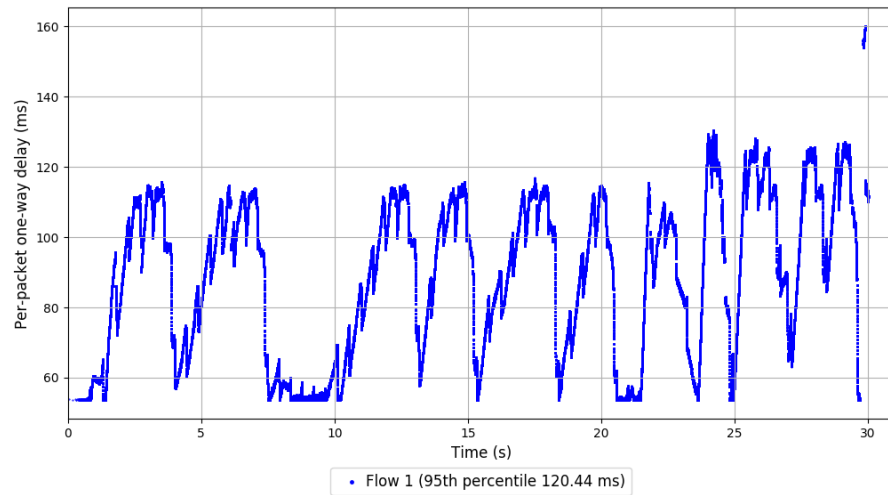
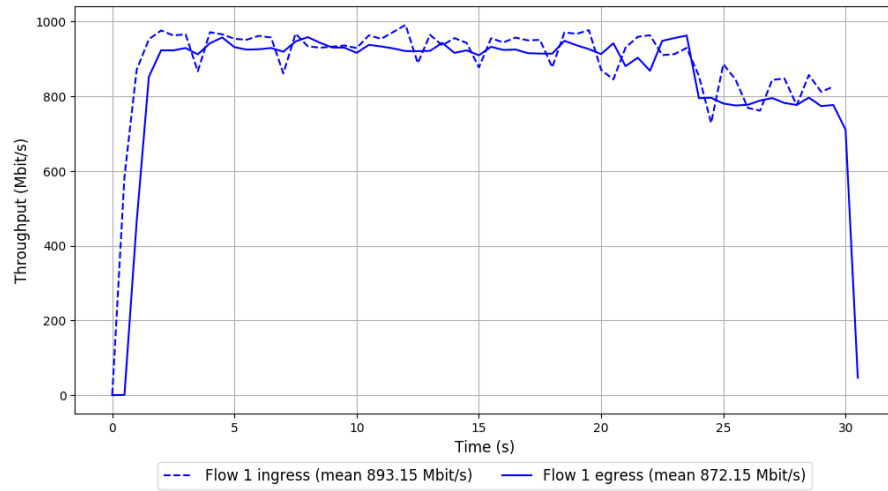


Run 3: Statistics of FillP

Start at: 2018-06-01 05:49:39
End at: 2018-06-01 05:50:09
Local clock offset: -0.066 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-06-01 09:01:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 872.15 Mbit/s
95th percentile per-packet one-way delay: 120.440 ms
Loss rate: 2.35%
-- Flow 1:
Average throughput: 872.15 Mbit/s
95th percentile per-packet one-way delay: 120.440 ms
Loss rate: 2.35%

Run 3: Report of FillP — Data Link

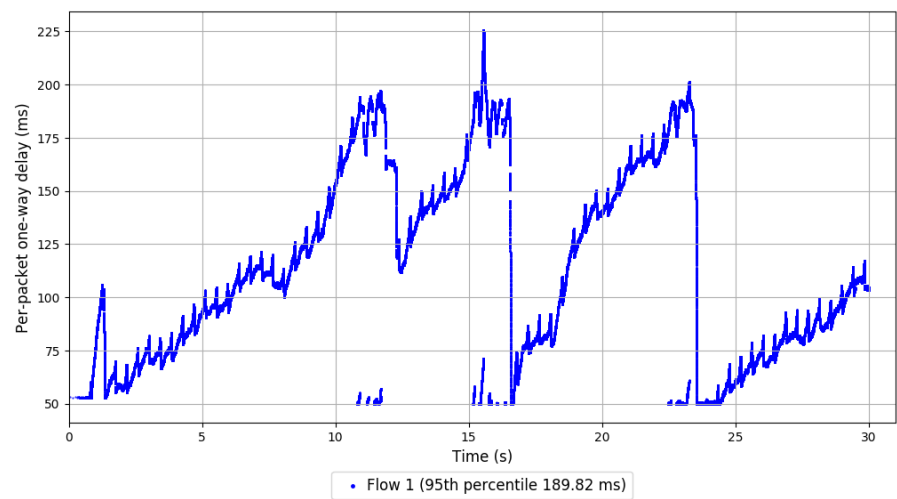
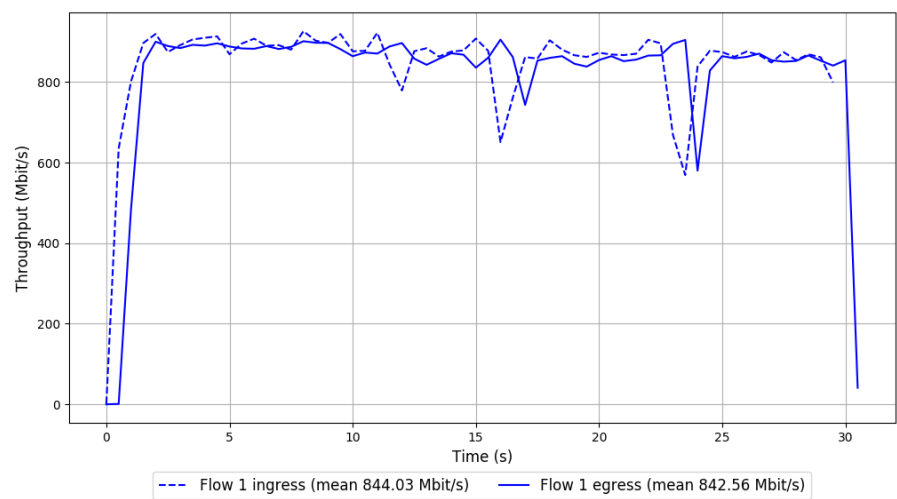


Run 4: Statistics of FillP

Start at: 2018-06-01 06:10:20
End at: 2018-06-01 06:10:50
Local clock offset: 0.26 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-06-01 09:01:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 842.56 Mbit/s
95th percentile per-packet one-way delay: 189.819 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 842.56 Mbit/s
95th percentile per-packet one-way delay: 189.819 ms
Loss rate: 0.17%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-06-01 06:30:34

End at: 2018-06-01 06:31:04

Local clock offset: 0.048 ms

Remote clock offset: 0.202 ms

Below is generated by plot.py at 2018-06-01 09:01:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 808.12 Mbit/s

95th percentile per-packet one-way delay: 231.417 ms

Loss rate: 2.14%

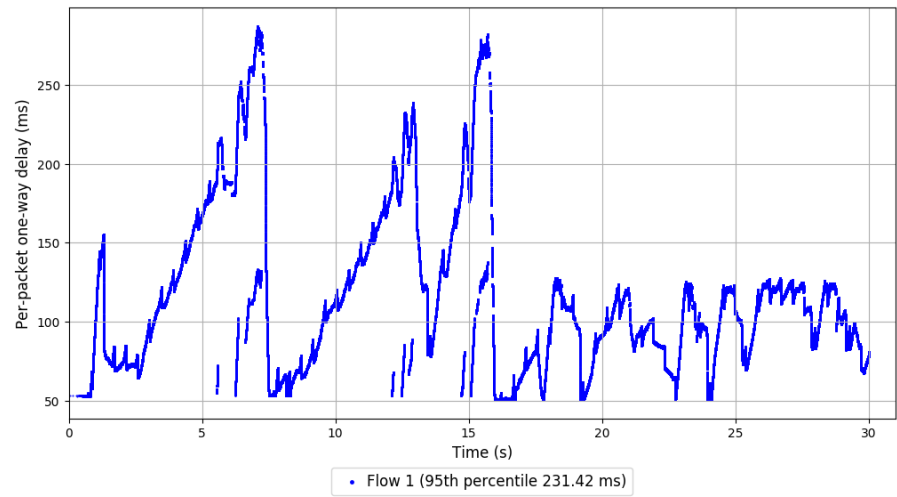
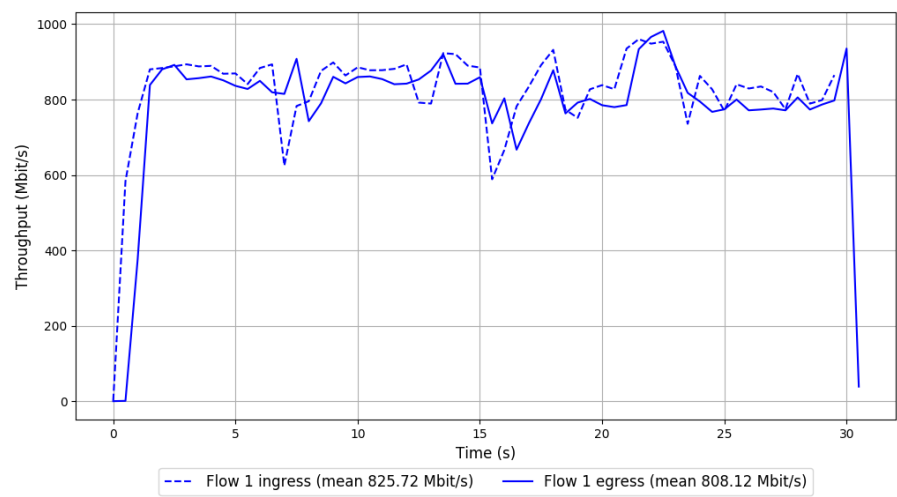
-- Flow 1:

Average throughput: 808.12 Mbit/s

95th percentile per-packet one-way delay: 231.417 ms

Loss rate: 2.14%

Run 5: Report of FillP — Data Link

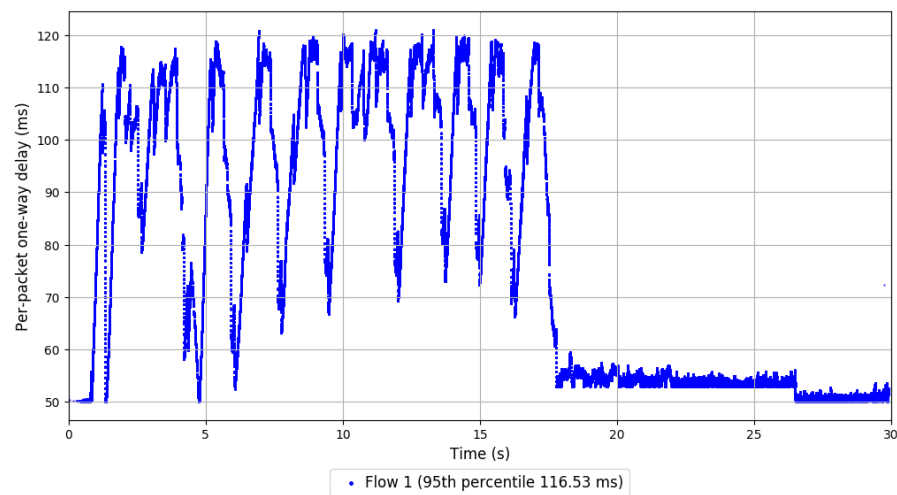
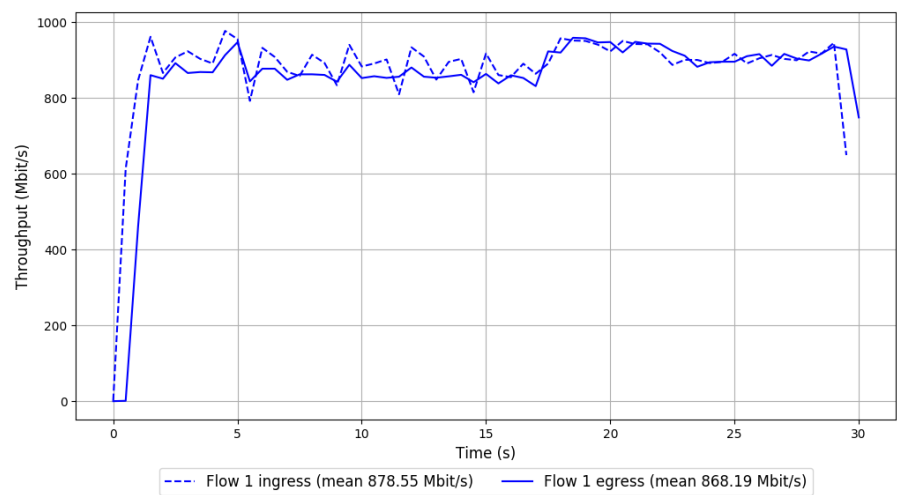


Run 6: Statistics of FillP

Start at: 2018-06-01 06:51:13
End at: 2018-06-01 06:51:43
Local clock offset: -0.246 ms
Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-06-01 09:02:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 868.19 Mbit/s
95th percentile per-packet one-way delay: 116.534 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 868.19 Mbit/s
95th percentile per-packet one-way delay: 116.534 ms
Loss rate: 1.51%

Run 6: Report of FillP — Data Link

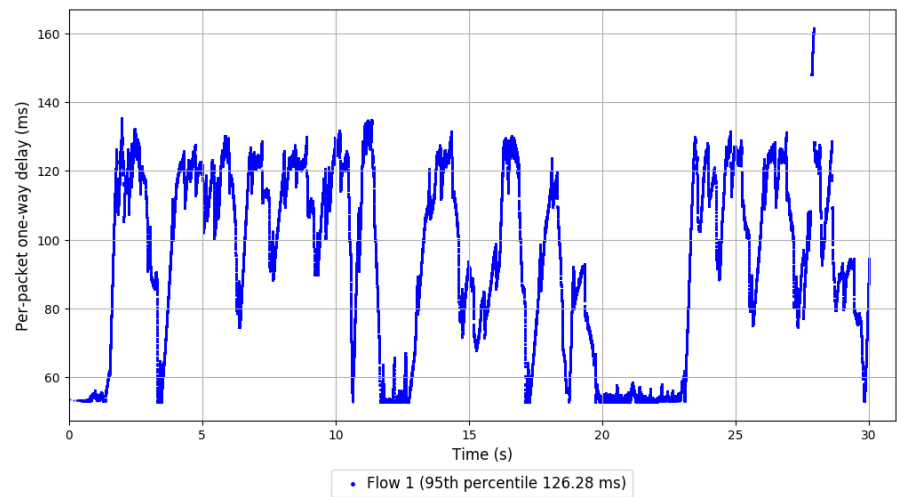
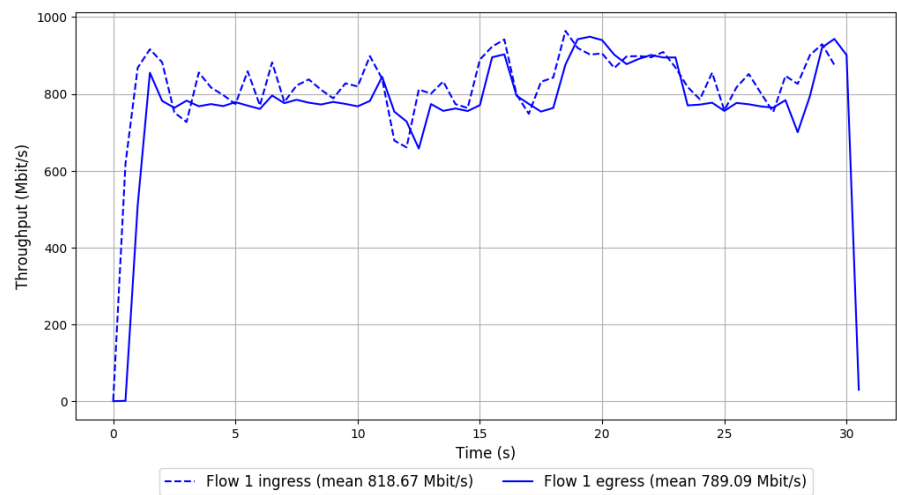


Run 7: Statistics of FillP

Start at: 2018-06-01 07:11:08
End at: 2018-06-01 07:11:38
Local clock offset: -0.067 ms
Remote clock offset: -0.282 ms

Below is generated by plot.py at 2018-06-01 09:02:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 789.09 Mbit/s
95th percentile per-packet one-way delay: 126.280 ms
Loss rate: 3.62%
-- Flow 1:
Average throughput: 789.09 Mbit/s
95th percentile per-packet one-way delay: 126.280 ms
Loss rate: 3.62%

Run 7: Report of FillP — Data Link

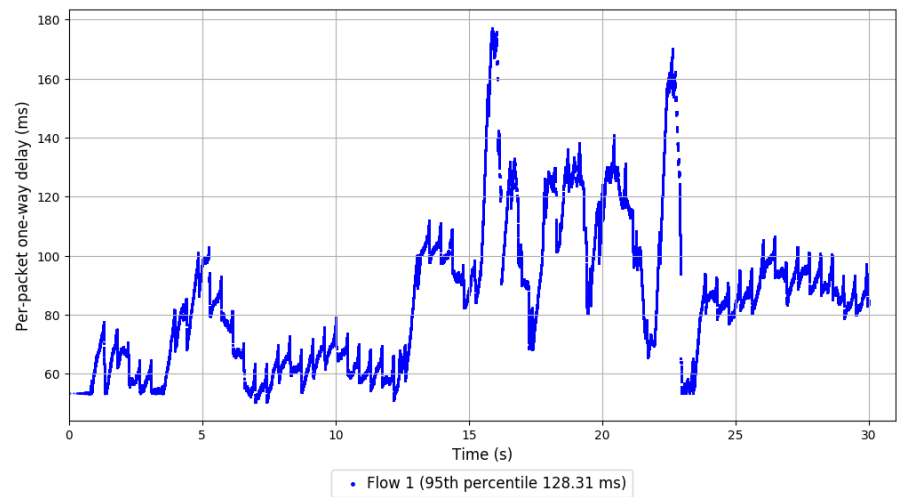
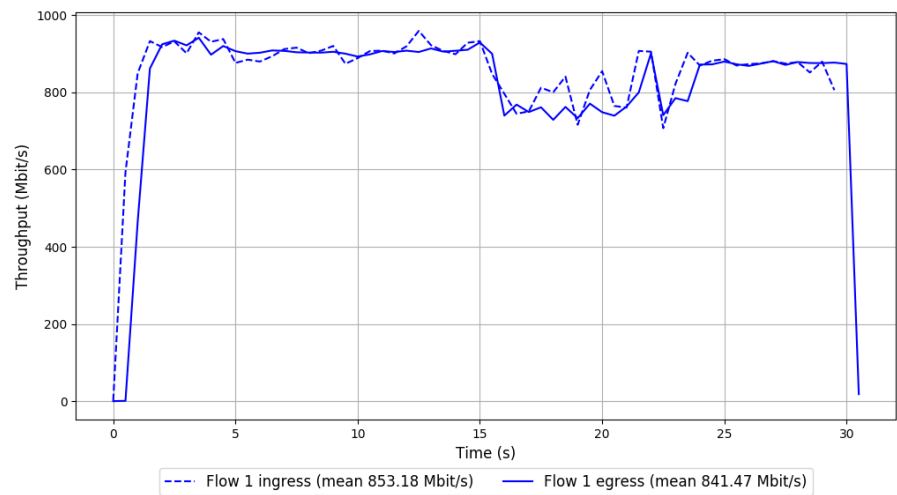


Run 8: Statistics of FillP

Start at: 2018-06-01 07:31:15
End at: 2018-06-01 07:31:45
Local clock offset: -0.203 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-06-01 09:04:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 841.47 Mbit/s
95th percentile per-packet one-way delay: 128.315 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 841.47 Mbit/s
95th percentile per-packet one-way delay: 128.315 ms
Loss rate: 1.38%

Run 8: Report of FillP — Data Link

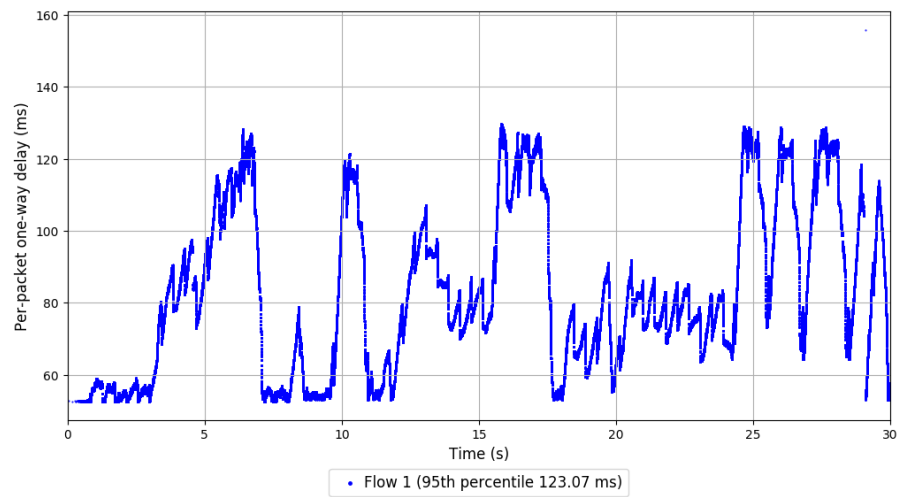
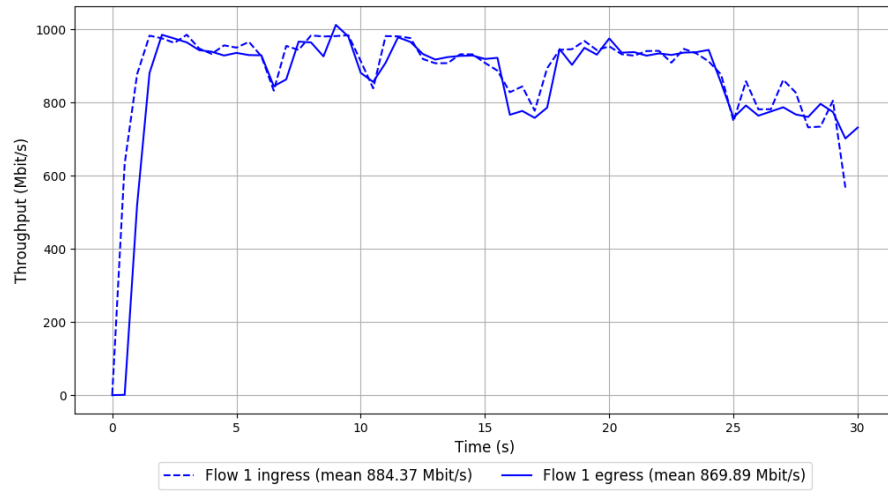


Run 9: Statistics of FillP

Start at: 2018-06-01 07:51:51
End at: 2018-06-01 07:52:21
Local clock offset: -0.296 ms
Remote clock offset: -0.534 ms

Below is generated by plot.py at 2018-06-01 09:17:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 869.89 Mbit/s
95th percentile per-packet one-way delay: 123.067 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 869.89 Mbit/s
95th percentile per-packet one-way delay: 123.067 ms
Loss rate: 1.65%

Run 9: Report of FillP — Data Link

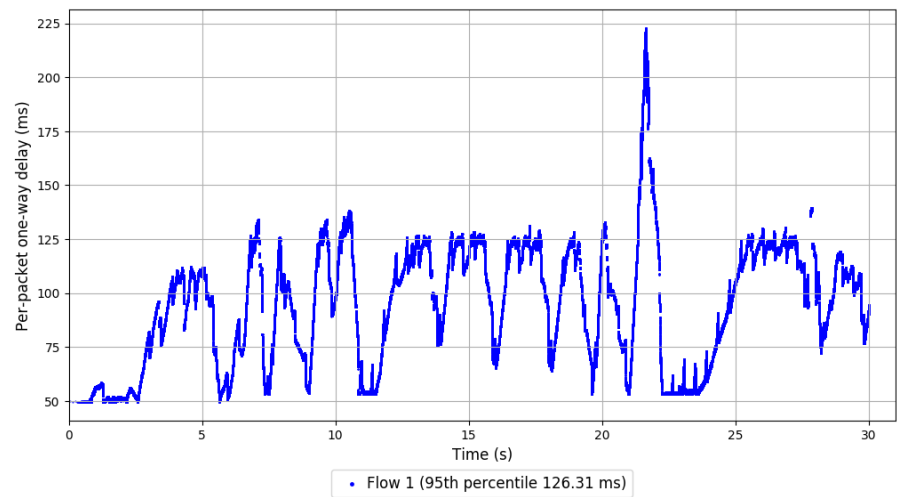
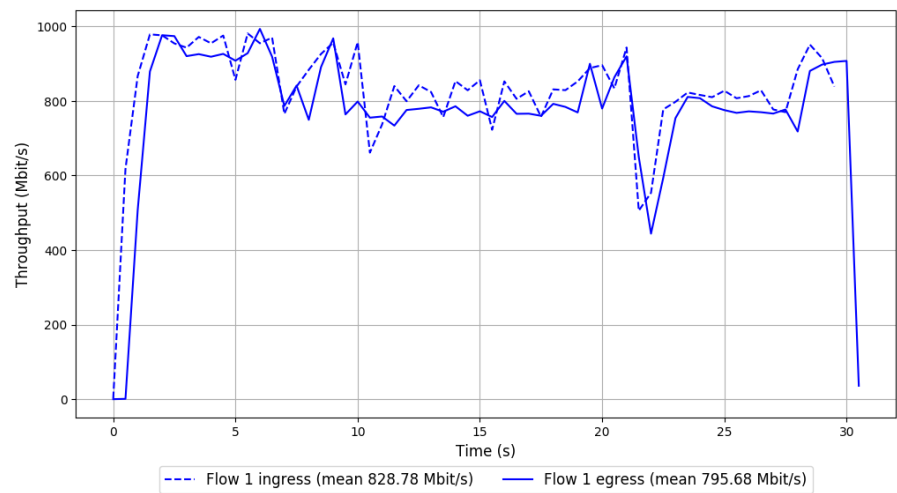


Run 10: Statistics of FillP

Start at: 2018-06-01 08:12:33
End at: 2018-06-01 08:13:03
Local clock offset: -0.073 ms
Remote clock offset: -0.238 ms

Below is generated by plot.py at 2018-06-01 09:17:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 795.68 Mbit/s
95th percentile per-packet one-way delay: 126.309 ms
Loss rate: 3.99%
-- Flow 1:
Average throughput: 795.68 Mbit/s
95th percentile per-packet one-way delay: 126.309 ms
Loss rate: 3.99%

Run 10: Report of FillP — Data Link

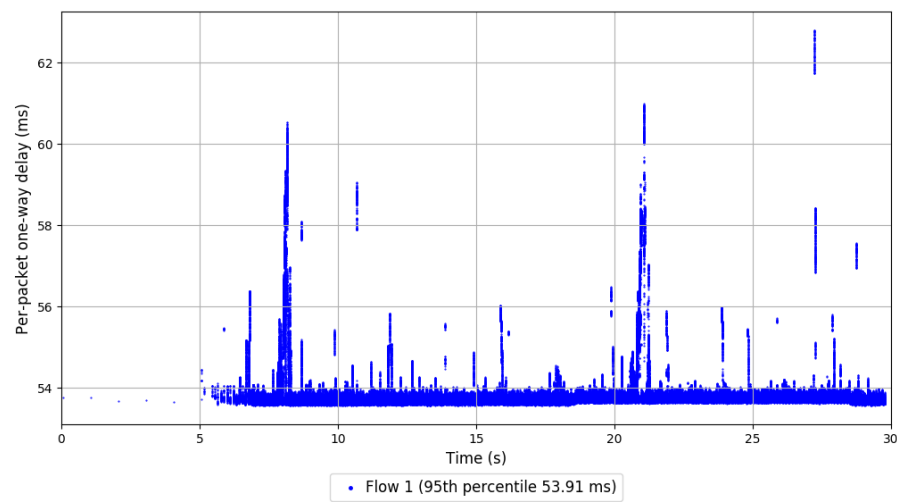
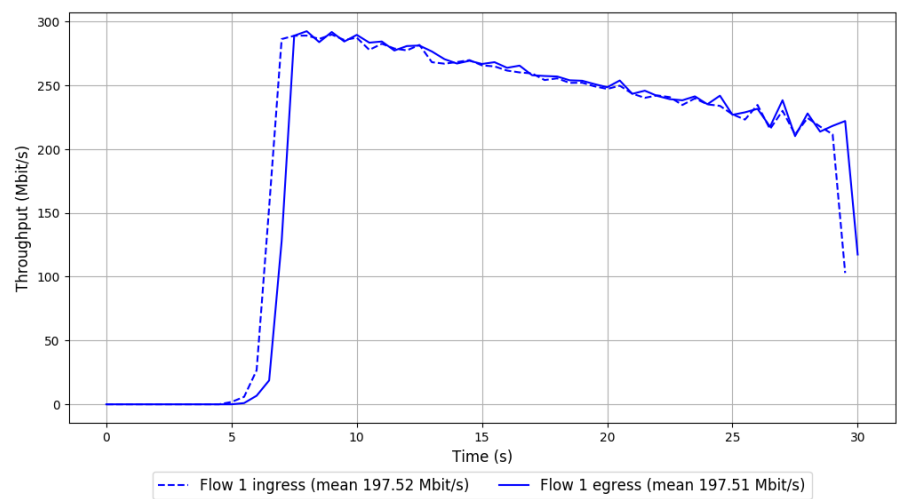


```
Run 1: Statistics of Indigo

Start at: 2018-06-01 05:05:11
End at: 2018-06-01 05:05:41
Local clock offset: -0.026 ms
Remote clock offset: 0.18 ms

# Below is generated by plot.py at 2018-06-01 09:17:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 197.51 Mbit/s
95th percentile per-packet one-way delay: 53.907 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 197.51 Mbit/s
95th percentile per-packet one-way delay: 53.907 ms
Loss rate: 0.01%
```

Run 1: Report of Indigo — Data Link

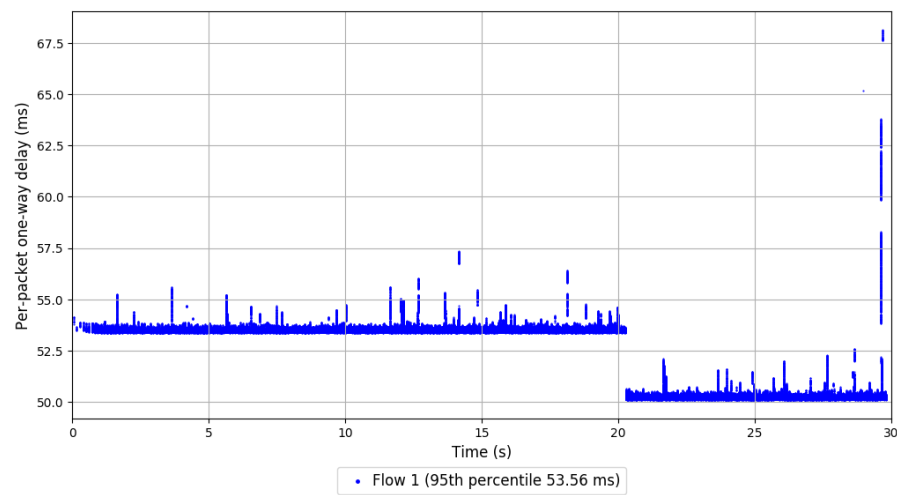
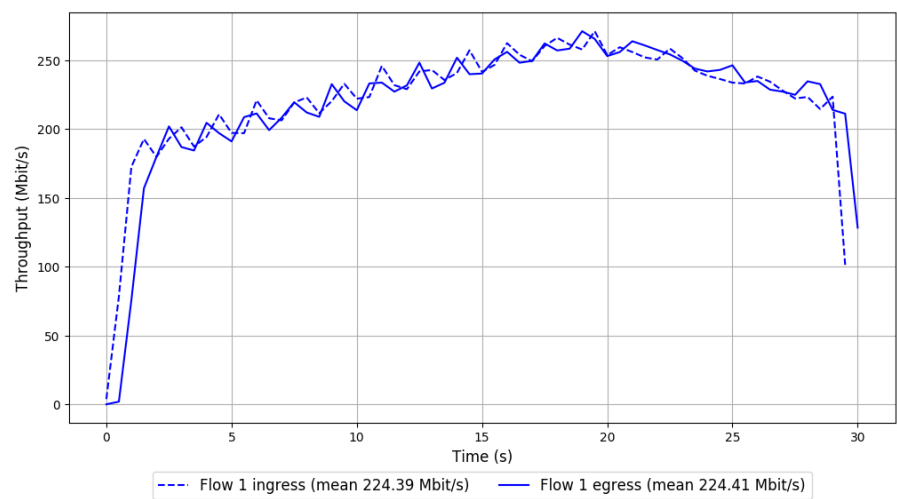


Run 2: Statistics of Indigo

Start at: 2018-06-01 05:25:29
End at: 2018-06-01 05:25:59
Local clock offset: -0.204 ms
Remote clock offset: -0.191 ms

Below is generated by plot.py at 2018-06-01 09:17:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 224.41 Mbit/s
95th percentile per-packet one-way delay: 53.565 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 224.41 Mbit/s
95th percentile per-packet one-way delay: 53.565 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

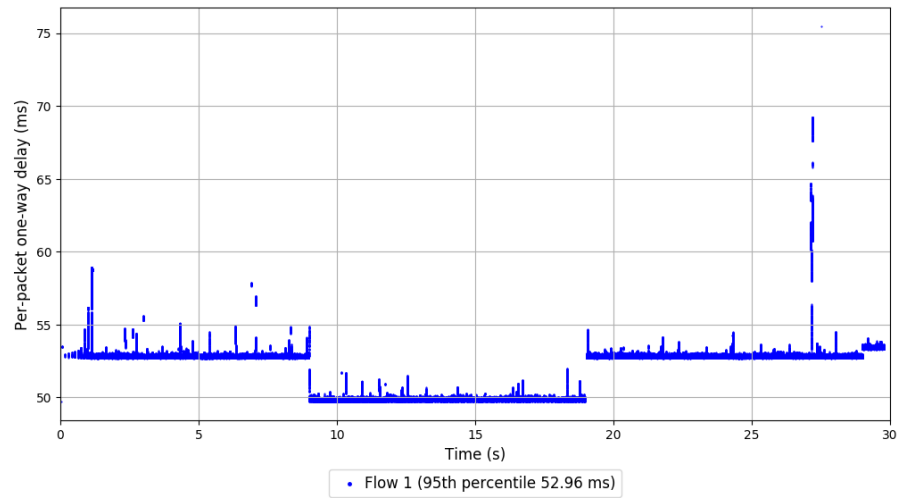
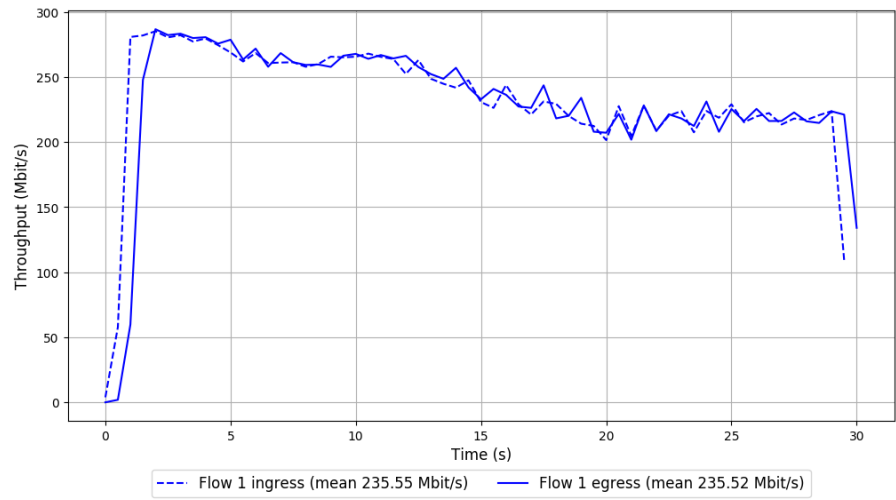


Run 3: Statistics of Indigo

Start at: 2018-06-01 05:45:40
End at: 2018-06-01 05:46:10
Local clock offset: -0.124 ms
Remote clock offset: -0.234 ms

Below is generated by plot.py at 2018-06-01 09:17:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 235.52 Mbit/s
95th percentile per-packet one-way delay: 52.959 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 235.52 Mbit/s
95th percentile per-packet one-way delay: 52.959 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

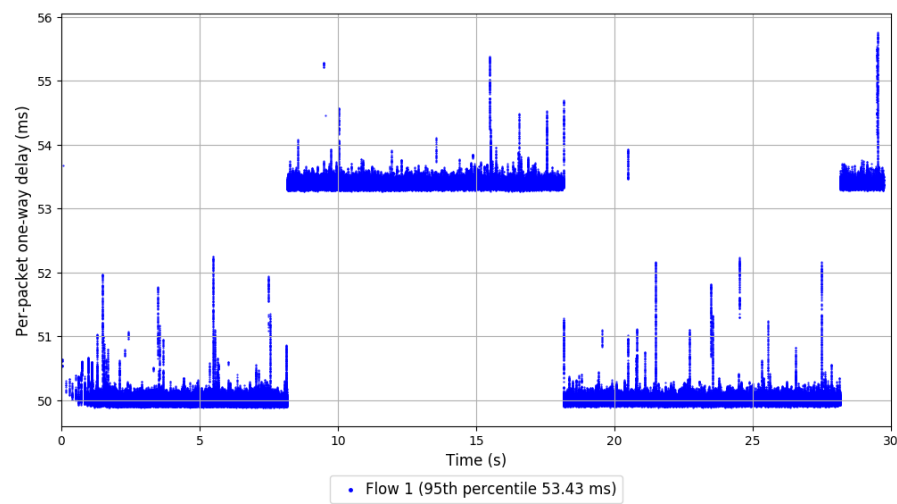
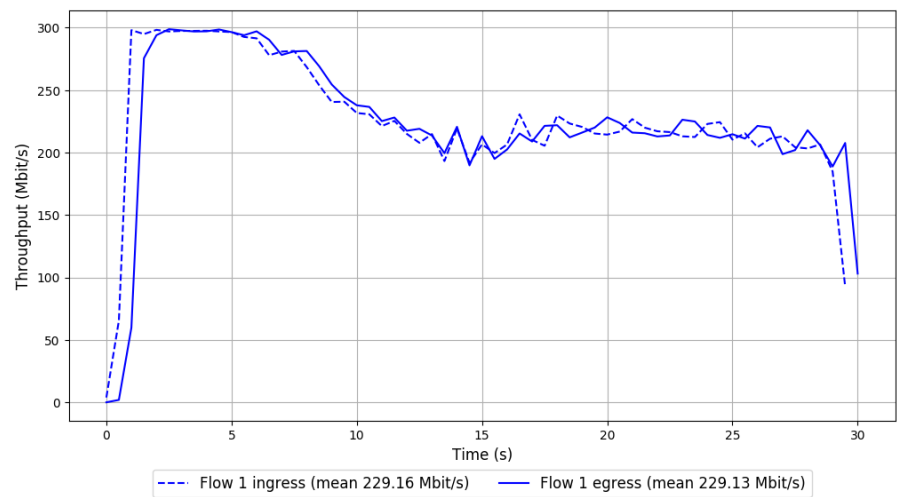


Run 4: Statistics of Indigo

Start at: 2018-06-01 06:06:21
End at: 2018-06-01 06:06:51
Local clock offset: -0.089 ms
Remote clock offset: -0.207 ms

Below is generated by plot.py at 2018-06-01 09:17:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 229.13 Mbit/s
95th percentile per-packet one-way delay: 53.428 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 229.13 Mbit/s
95th percentile per-packet one-way delay: 53.428 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-06-01 06:26:42

End at: 2018-06-01 06:27:12

Local clock offset: -0.161 ms

Remote clock offset: 0.063 ms

Below is generated by plot.py at 2018-06-01 09:17:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.48 Mbit/s

95th percentile per-packet one-way delay: 53.169 ms

Loss rate: 0.00%

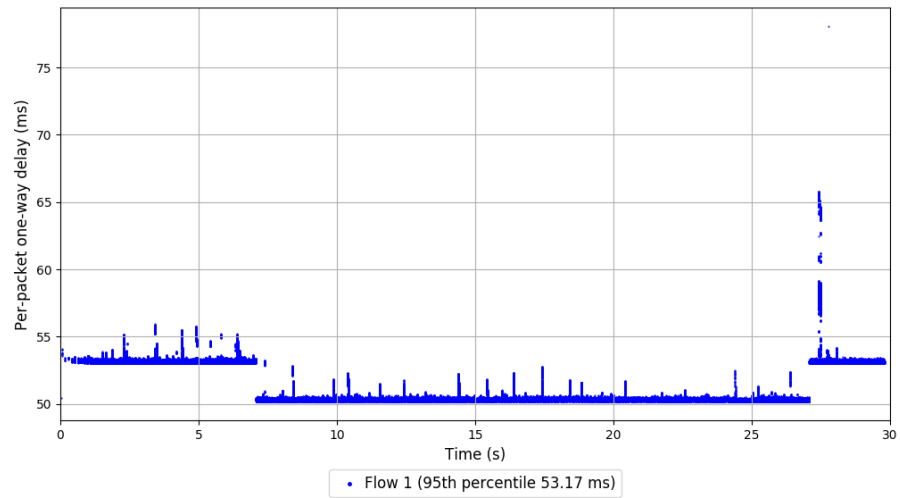
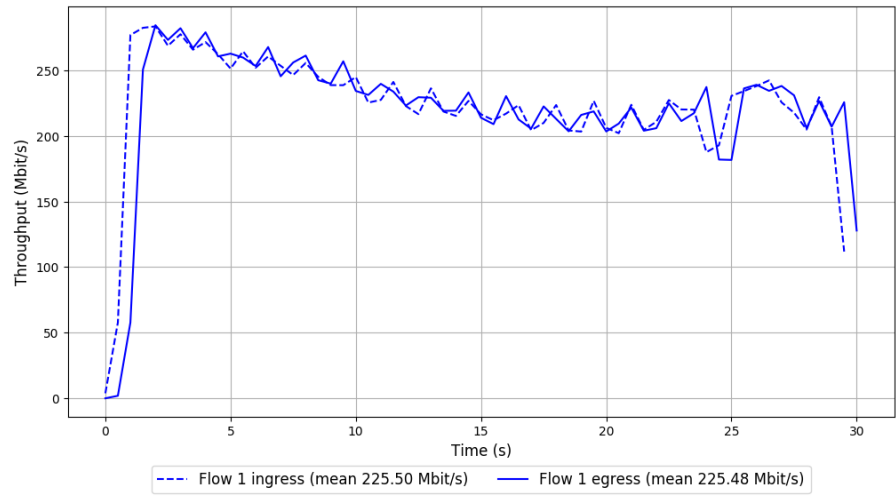
-- Flow 1:

Average throughput: 225.48 Mbit/s

95th percentile per-packet one-way delay: 53.169 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-06-01 06:47:18

End at: 2018-06-01 06:47:48

Local clock offset: -0.028 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-06-01 09:17:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.53 Mbit/s

95th percentile per-packet one-way delay: 53.558 ms

Loss rate: 0.01%

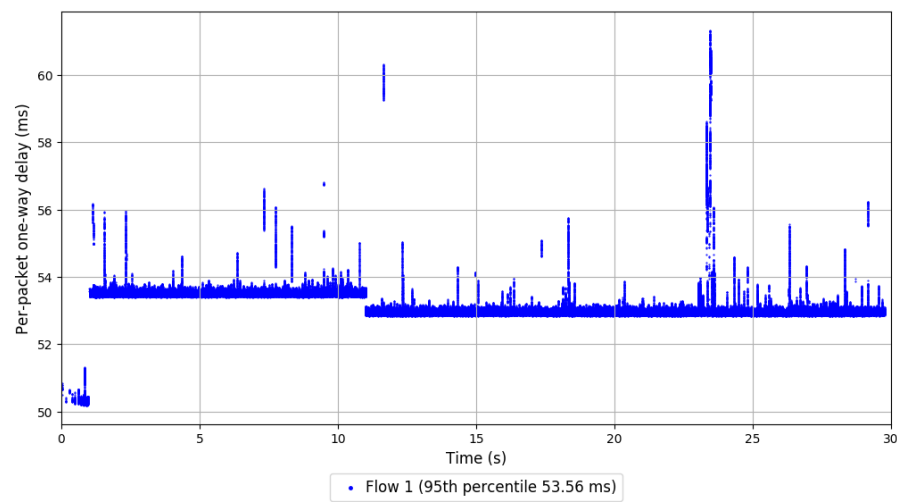
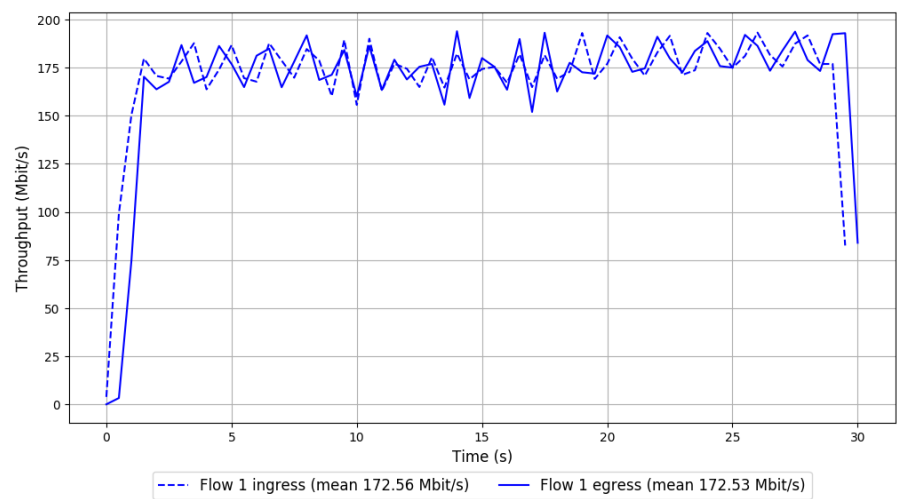
-- Flow 1:

Average throughput: 172.53 Mbit/s

95th percentile per-packet one-way delay: 53.558 ms

Loss rate: 0.01%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-06-01 07:07:11

End at: 2018-06-01 07:07:41

Local clock offset: -0.004 ms

Remote clock offset: 0.166 ms

Below is generated by plot.py at 2018-06-01 09:17:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.96 Mbit/s

95th percentile per-packet one-way delay: 53.398 ms

Loss rate: 0.00%

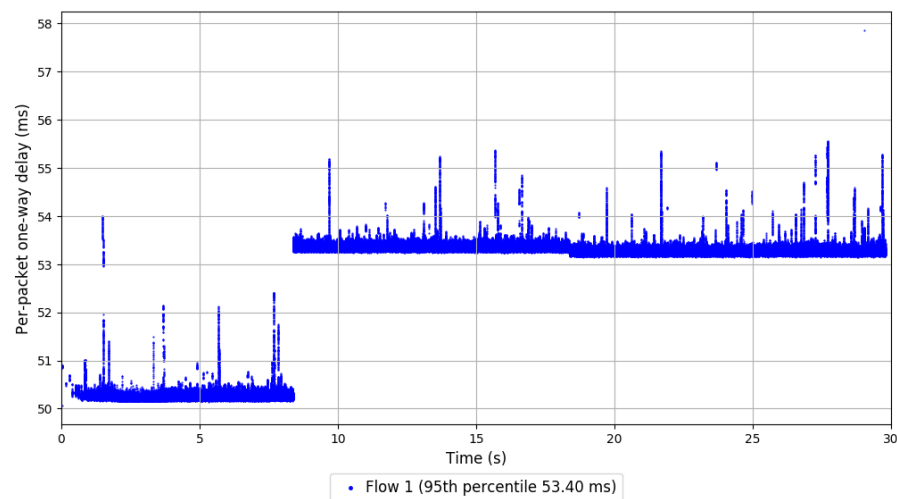
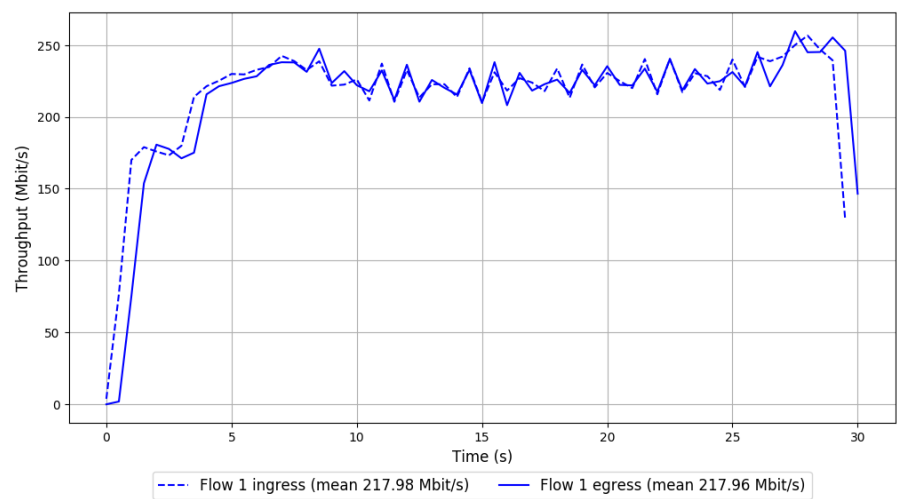
-- Flow 1:

Average throughput: 217.96 Mbit/s

95th percentile per-packet one-way delay: 53.398 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-06-01 07:27:24

End at: 2018-06-01 07:27:54

Local clock offset: -0.029 ms

Remote clock offset: 0.341 ms

Below is generated by plot.py at 2018-06-01 09:17:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.05 Mbit/s

95th percentile per-packet one-way delay: 53.613 ms

Loss rate: 0.00%

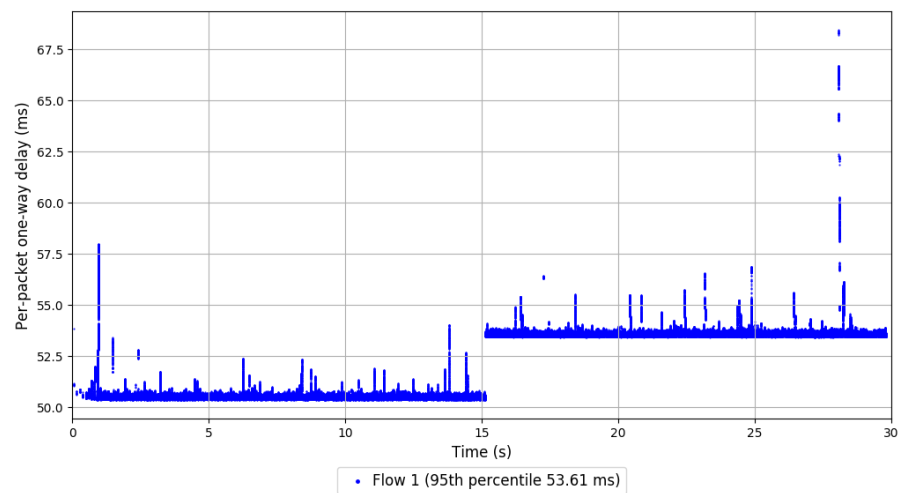
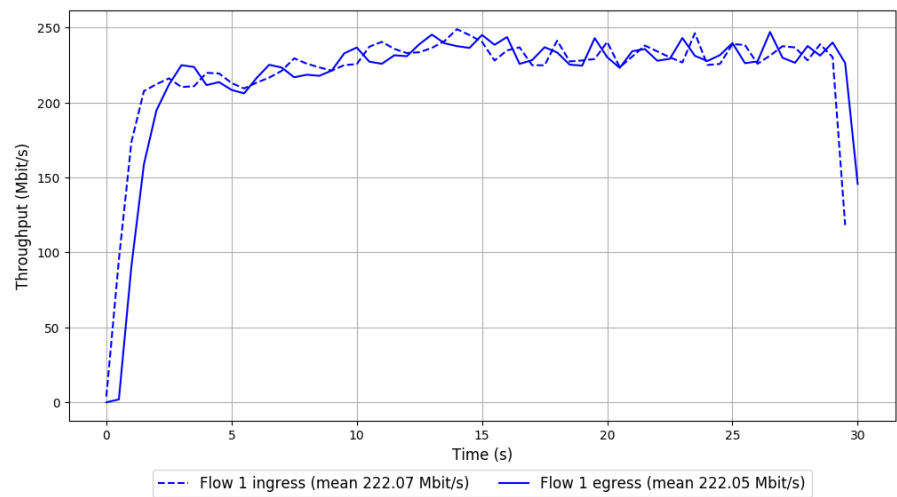
-- Flow 1:

Average throughput: 222.05 Mbit/s

95th percentile per-packet one-way delay: 53.613 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-06-01 07:47:52

End at: 2018-06-01 07:48:22

Local clock offset: 0.019 ms

Remote clock offset: 0.171 ms

Below is generated by plot.py at 2018-06-01 09:17:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.76 Mbit/s

95th percentile per-packet one-way delay: 53.766 ms

Loss rate: 0.00%

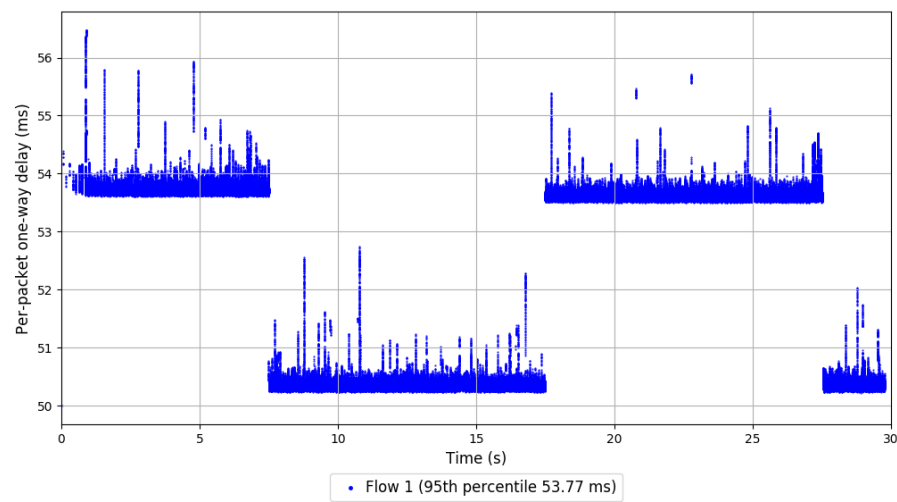
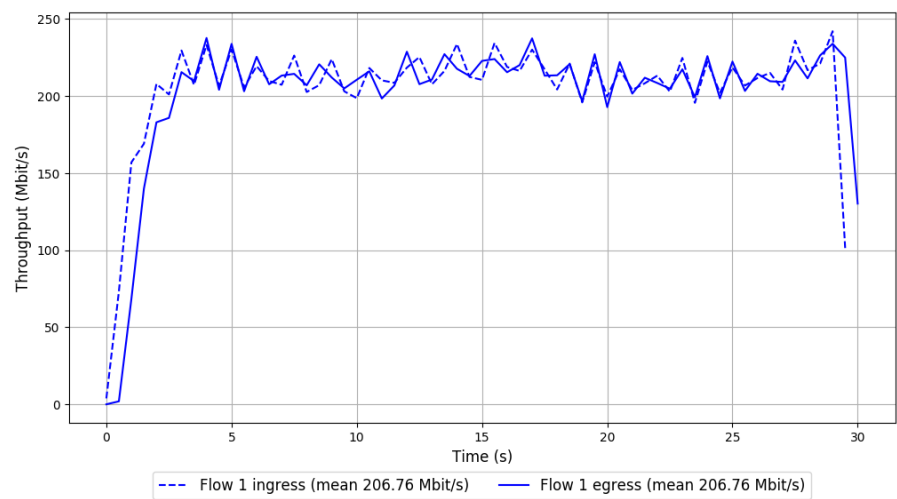
-- Flow 1:

Average throughput: 206.76 Mbit/s

95th percentile per-packet one-way delay: 53.766 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-06-01 08:08:31

End at: 2018-06-01 08:09:01

Local clock offset: 0.078 ms

Remote clock offset: 0.035 ms

Below is generated by plot.py at 2018-06-01 09:17:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 235.10 Mbit/s

95th percentile per-packet one-way delay: 53.569 ms

Loss rate: 0.01%

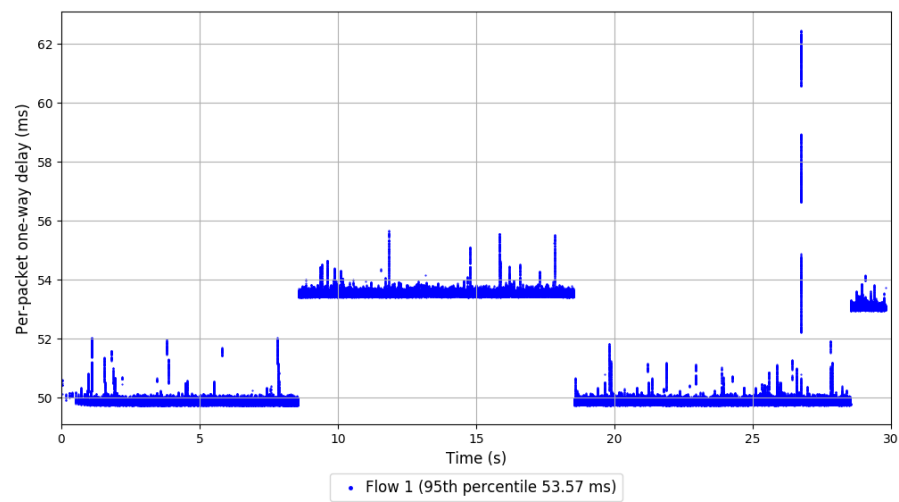
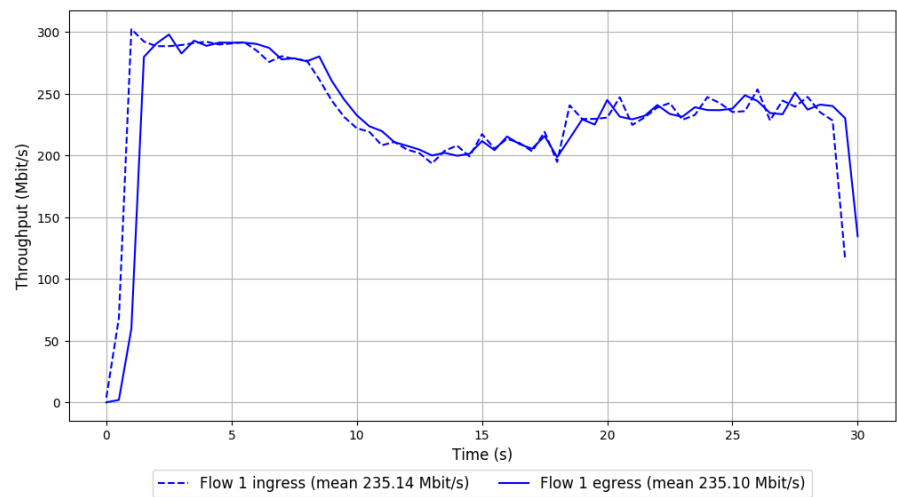
-- Flow 1:

Average throughput: 235.10 Mbit/s

95th percentile per-packet one-way delay: 53.569 ms

Loss rate: 0.01%

Run 10: Report of Indigo — Data Link

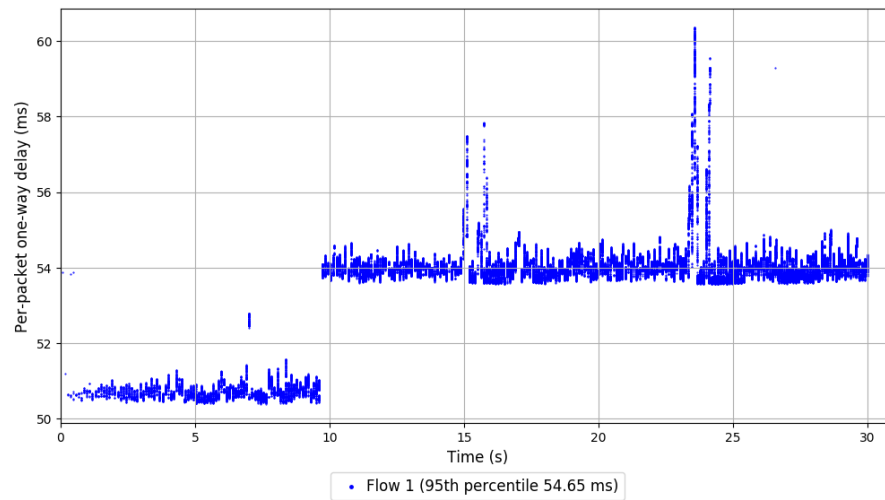
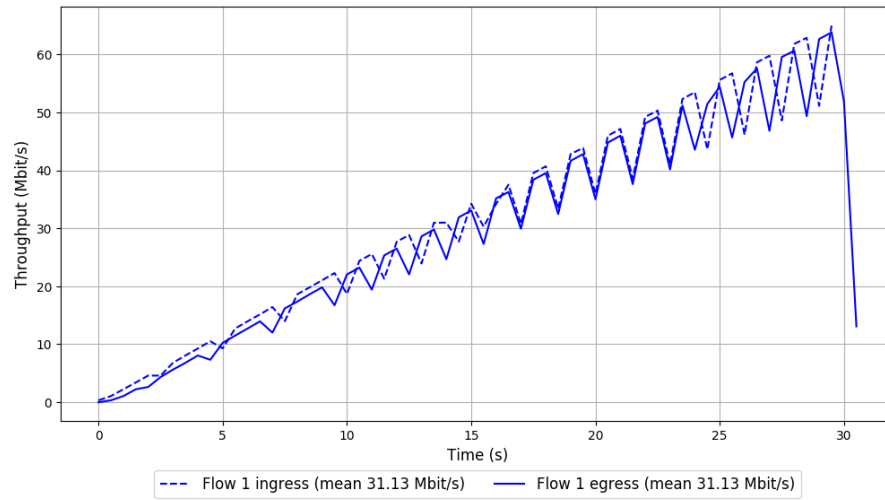


```
Run 1: Statistics of LEDBAT

Start at: 2018-06-01 05:14:00
End at: 2018-06-01 05:14:30
Local clock offset: -0.211 ms
Remote clock offset: 0.042 ms

# Below is generated by plot.py at 2018-06-01 09:17:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.13 Mbit/s
95th percentile per-packet one-way delay: 54.647 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 31.13 Mbit/s
95th percentile per-packet one-way delay: 54.647 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-06-01 05:34:20

End at: 2018-06-01 05:34:51

Local clock offset: 0.117 ms

Remote clock offset: 0.229 ms

Below is generated by plot.py at 2018-06-01 09:17:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.04 Mbit/s

95th percentile per-packet one-way delay: 54.236 ms

Loss rate: 0.00%

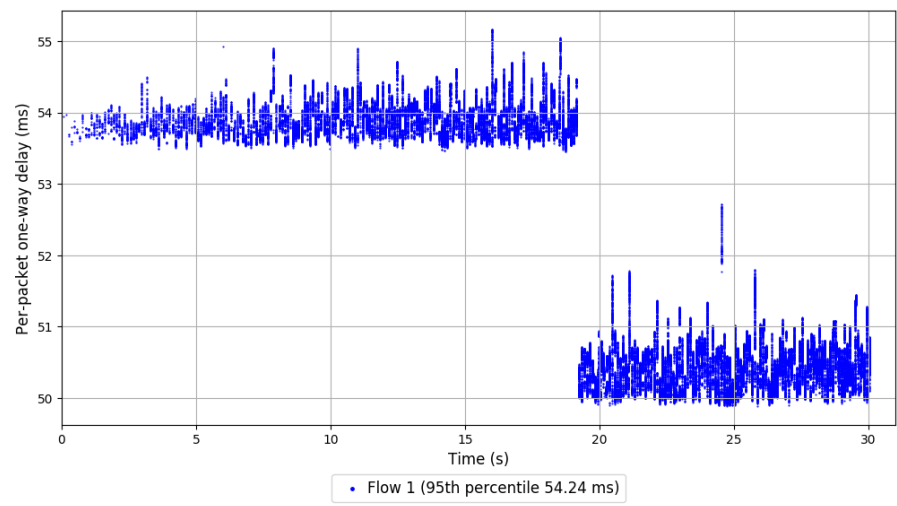
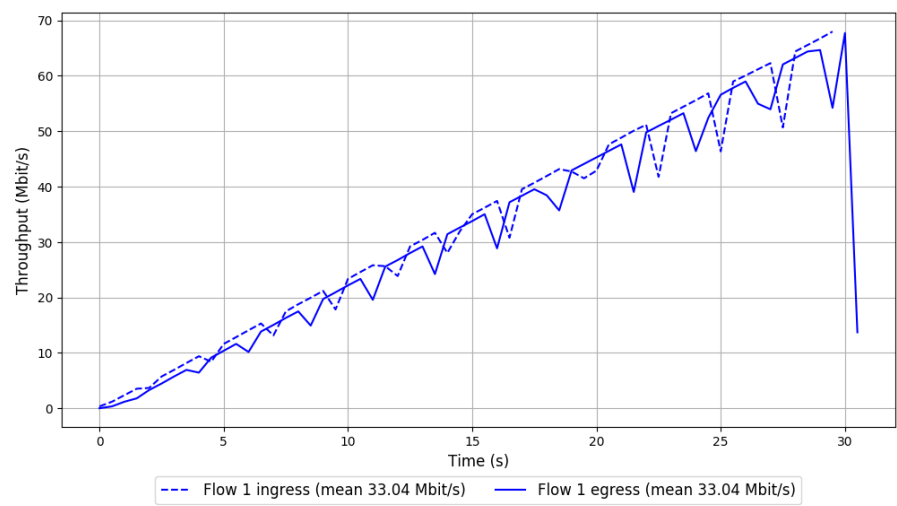
-- Flow 1:

Average throughput: 33.04 Mbit/s

95th percentile per-packet one-way delay: 54.236 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-06-01 05:54:37

End at: 2018-06-01 05:55:07

Local clock offset: -0.168 ms

Remote clock offset: 0.14 ms

Below is generated by plot.py at 2018-06-01 09:17:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.38 Mbit/s

95th percentile per-packet one-way delay: 54.865 ms

Loss rate: 0.00%

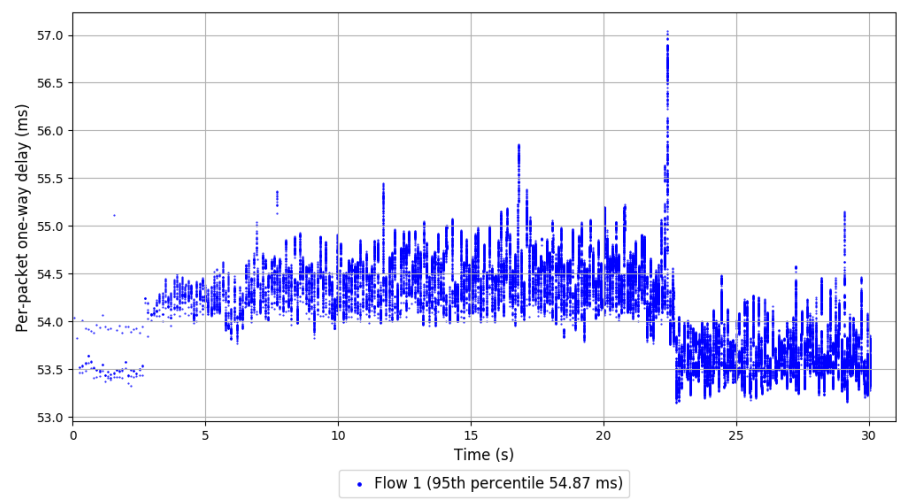
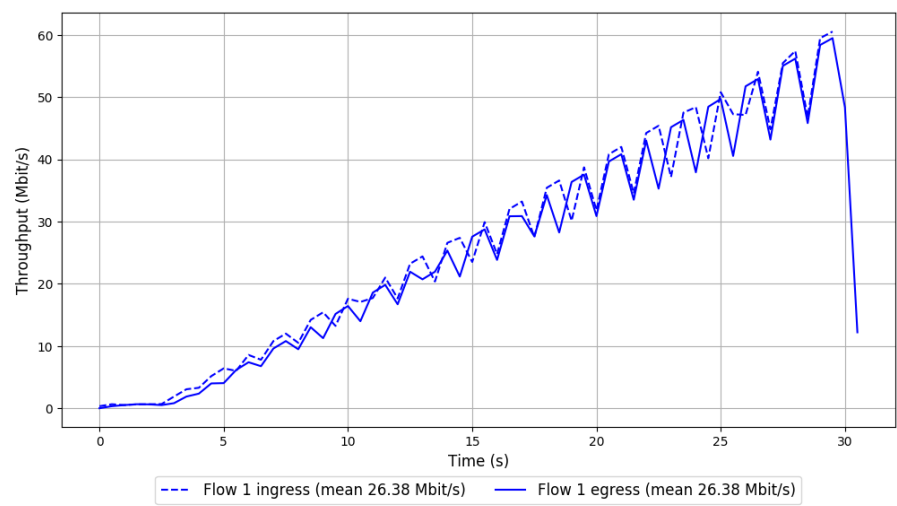
-- Flow 1:

Average throughput: 26.38 Mbit/s

95th percentile per-packet one-way delay: 54.865 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

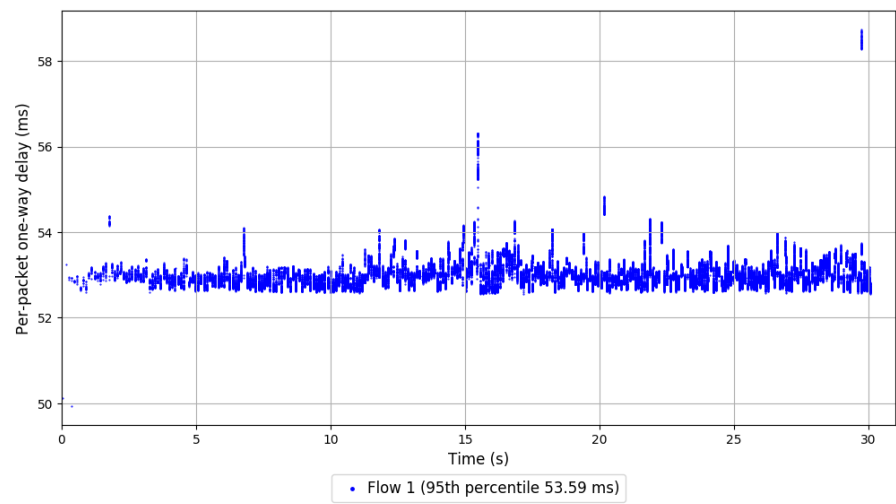
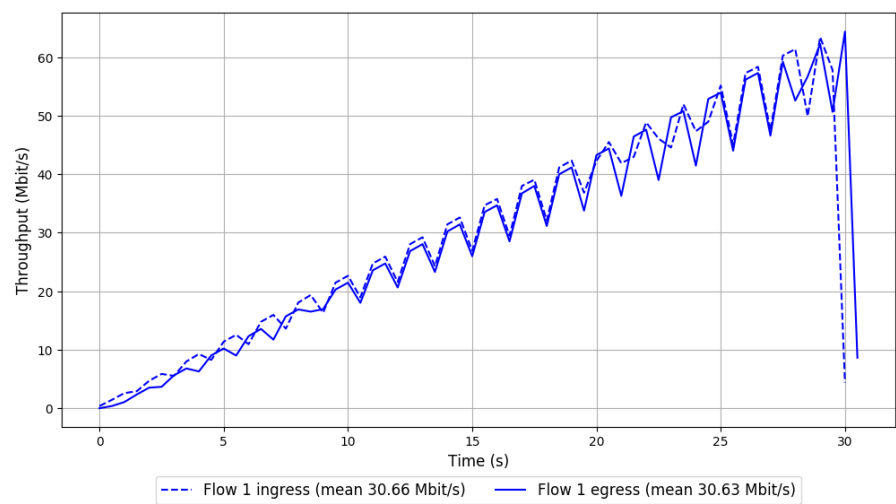


Run 4: Statistics of LEDBAT

Start at: 2018-06-01 06:15:17
End at: 2018-06-01 06:15:47
Local clock offset: 0.025 ms
Remote clock offset: -0.246 ms

Below is generated by plot.py at 2018-06-01 09:17:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 30.63 Mbit/s
95th percentile per-packet one-way delay: 53.592 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 30.63 Mbit/s
95th percentile per-packet one-way delay: 53.592 ms
Loss rate: 0.11%

Run 4: Report of LEDBAT — Data Link

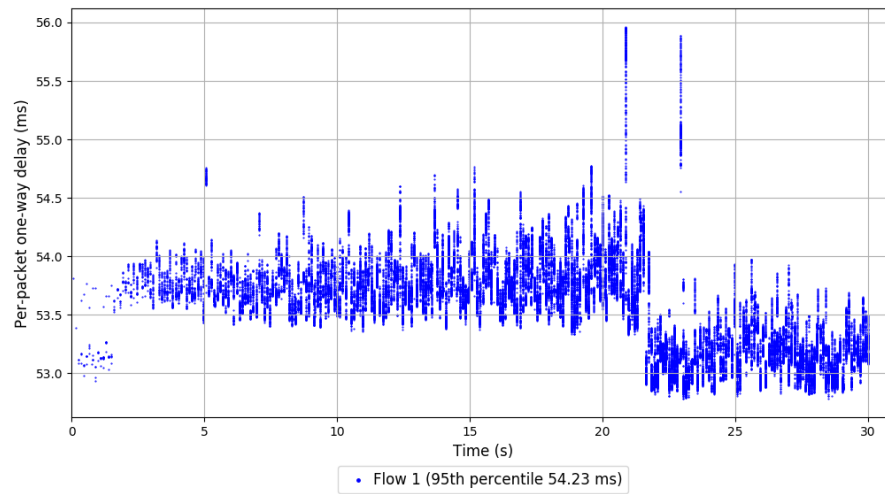
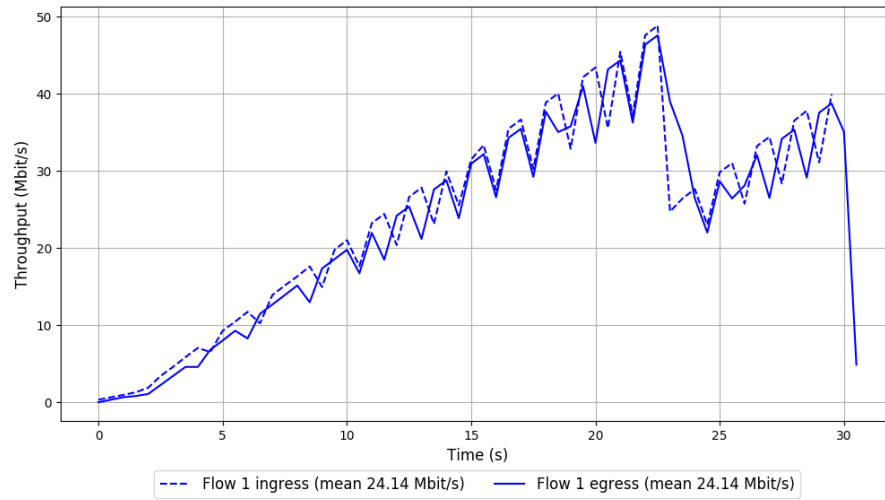


Run 5: Statistics of LEDBAT

Start at: 2018-06-01 06:35:28
End at: 2018-06-01 06:35:58
Local clock offset: -0.018 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-06-01 09:17:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.14 Mbit/s
95th percentile per-packet one-way delay: 54.231 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.14 Mbit/s
95th percentile per-packet one-way delay: 54.231 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-06-01 06:56:11

End at: 2018-06-01 06:56:41

Local clock offset: -0.382 ms

Remote clock offset: 0.359 ms

Below is generated by plot.py at 2018-06-01 09:17:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.43 Mbit/s

95th percentile per-packet one-way delay: 54.517 ms

Loss rate: 0.00%

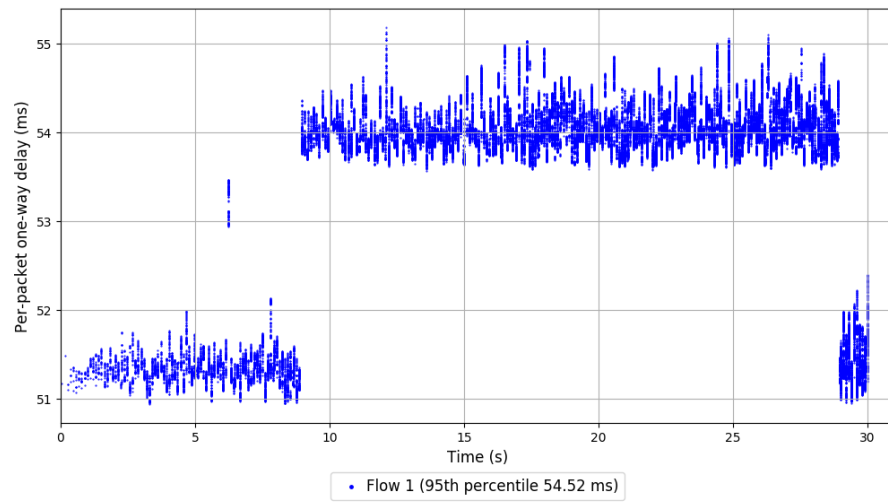
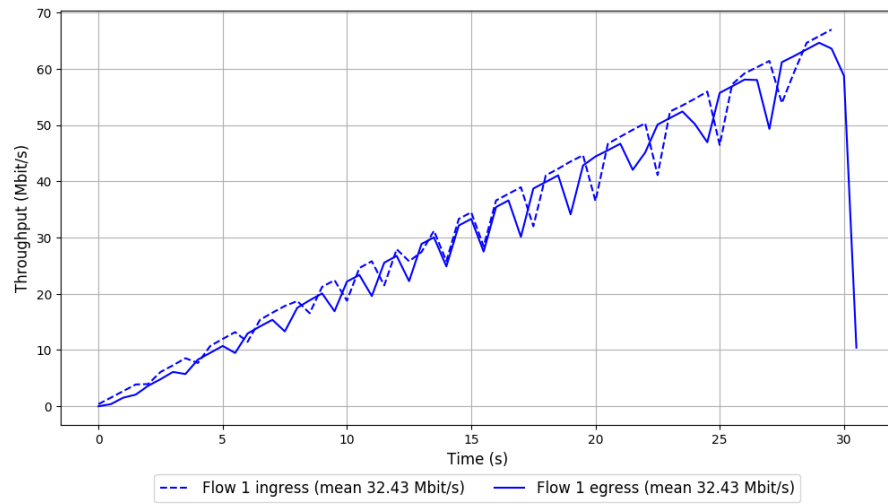
-- Flow 1:

Average throughput: 32.43 Mbit/s

95th percentile per-packet one-way delay: 54.517 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

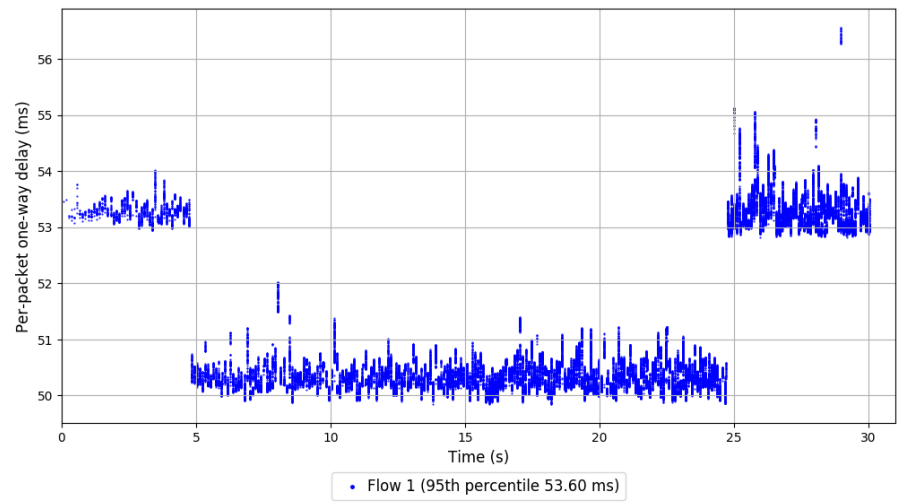
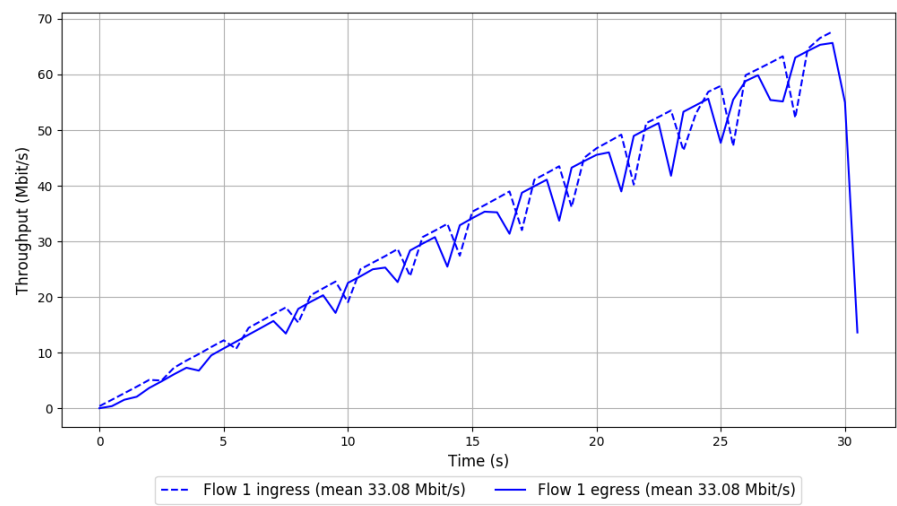


Run 7: Statistics of LEDBAT

Start at: 2018-06-01 07:16:05
End at: 2018-06-01 07:16:35
Local clock offset: 0.133 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-06-01 09:17:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.08 Mbit/s
95th percentile per-packet one-way delay: 53.599 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 33.08 Mbit/s
95th percentile per-packet one-way delay: 53.599 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

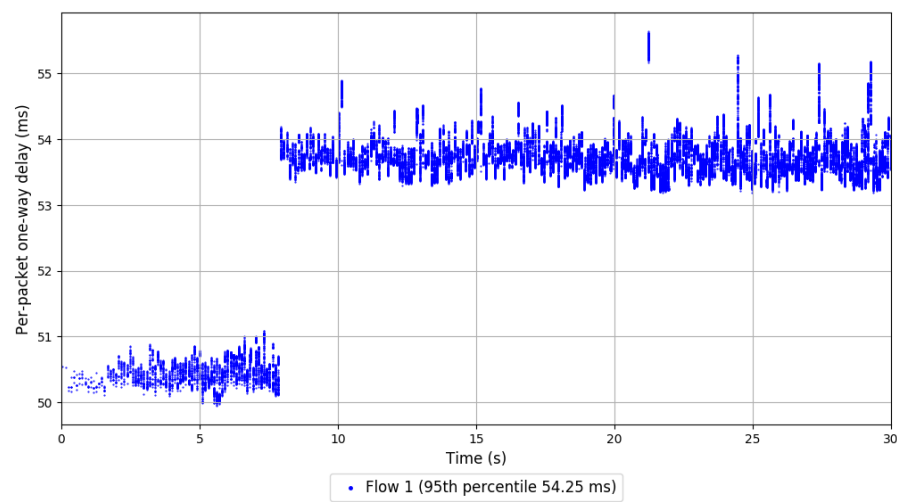
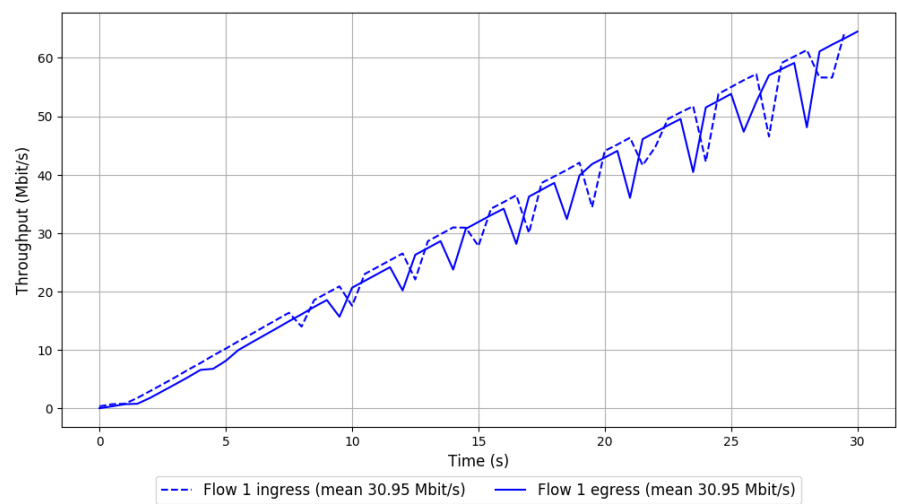


Run 8: Statistics of LEDBAT

Start at: 2018-06-01 07:36:12
End at: 2018-06-01 07:36:42
Local clock offset: -0.003 ms
Remote clock offset: -0.196 ms

Below is generated by plot.py at 2018-06-01 09:17:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 30.95 Mbit/s
95th percentile per-packet one-way delay: 54.250 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 30.95 Mbit/s
95th percentile per-packet one-way delay: 54.250 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-06-01 07:56:48

End at: 2018-06-01 07:57:18

Local clock offset: -0.156 ms

Remote clock offset: 0.159 ms

Below is generated by plot.py at 2018-06-01 09:17:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.28 Mbit/s

95th percentile per-packet one-way delay: 55.230 ms

Loss rate: 0.00%

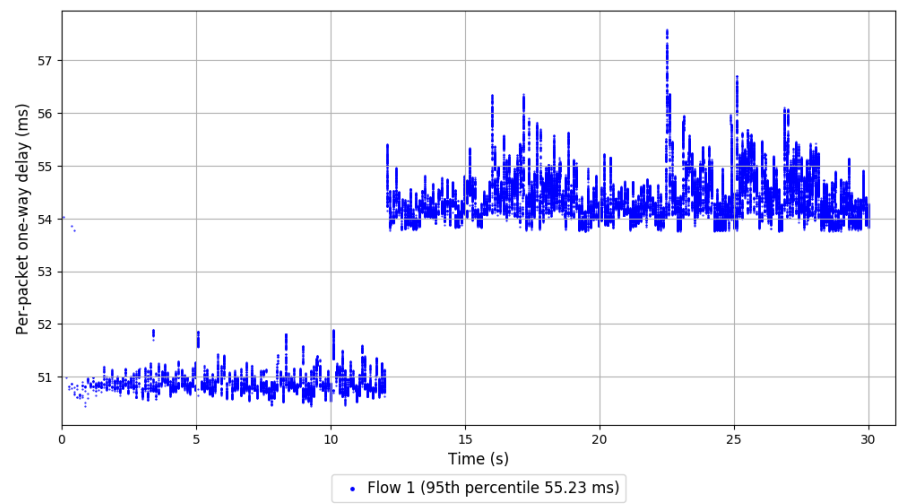
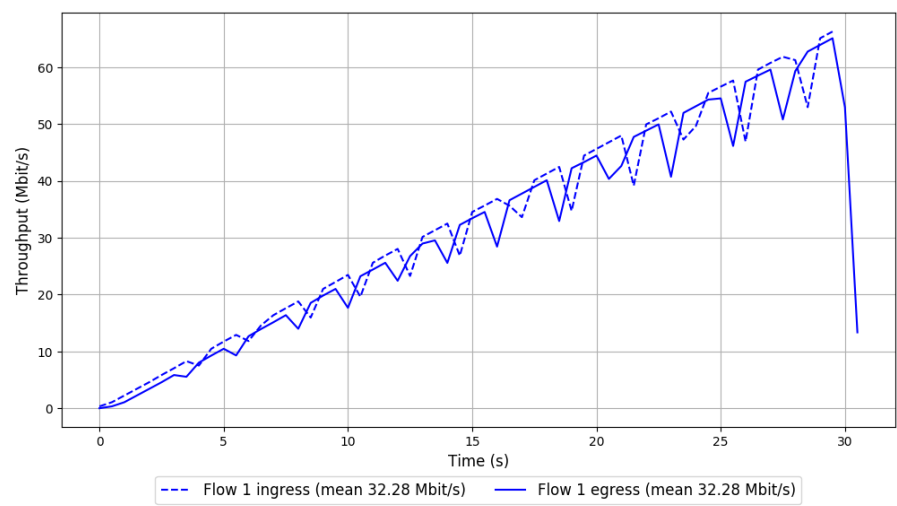
-- Flow 1:

Average throughput: 32.28 Mbit/s

95th percentile per-packet one-way delay: 55.230 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-06-01 08:17:28

End at: 2018-06-01 08:17:58

Local clock offset: 0.078 ms

Remote clock offset: 0.075 ms

Below is generated by plot.py at 2018-06-01 09:17:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.92 Mbit/s

95th percentile per-packet one-way delay: 54.262 ms

Loss rate: 0.00%

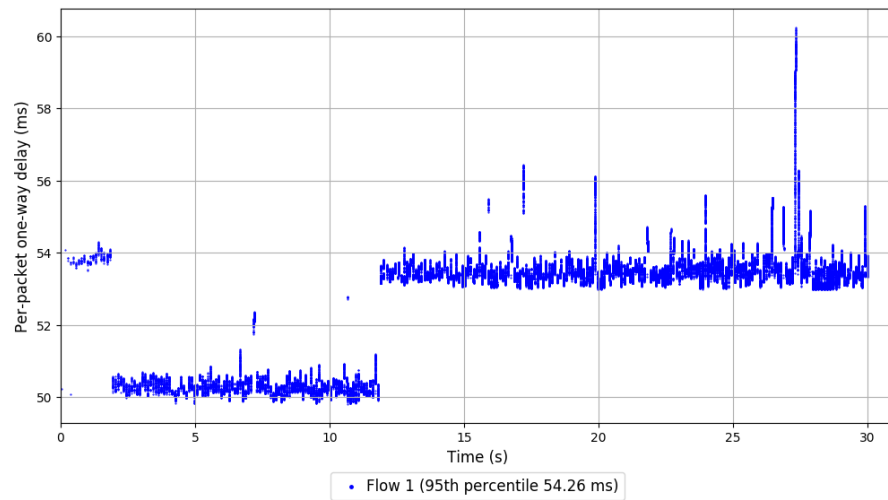
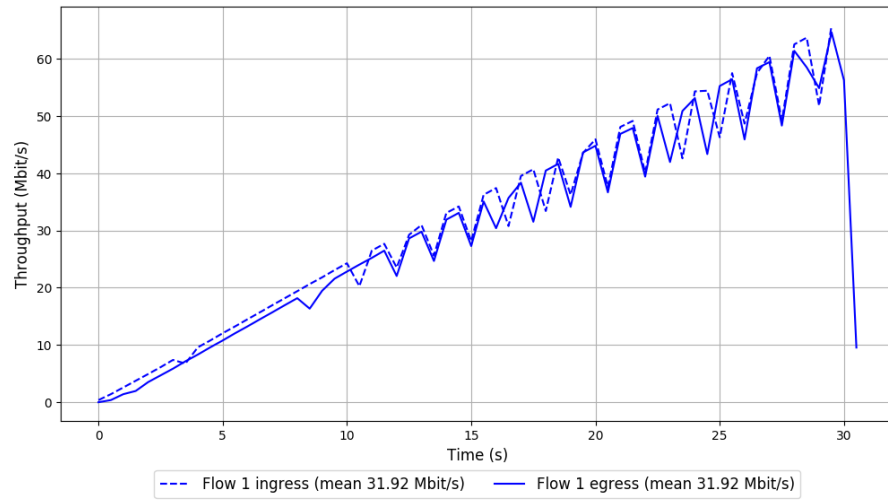
-- Flow 1:

Average throughput: 31.92 Mbit/s

95th percentile per-packet one-way delay: 54.262 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-06-01 05:17:52

End at: 2018-06-01 05:18:22

Local clock offset: -0.11 ms

Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-06-01 09:17:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 575.30 Mbit/s

95th percentile per-packet one-way delay: 76.481 ms

Loss rate: 0.17%

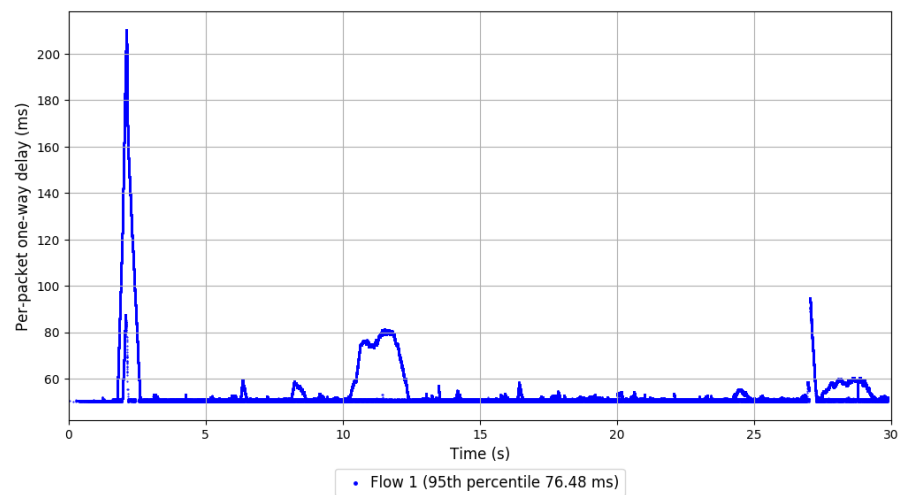
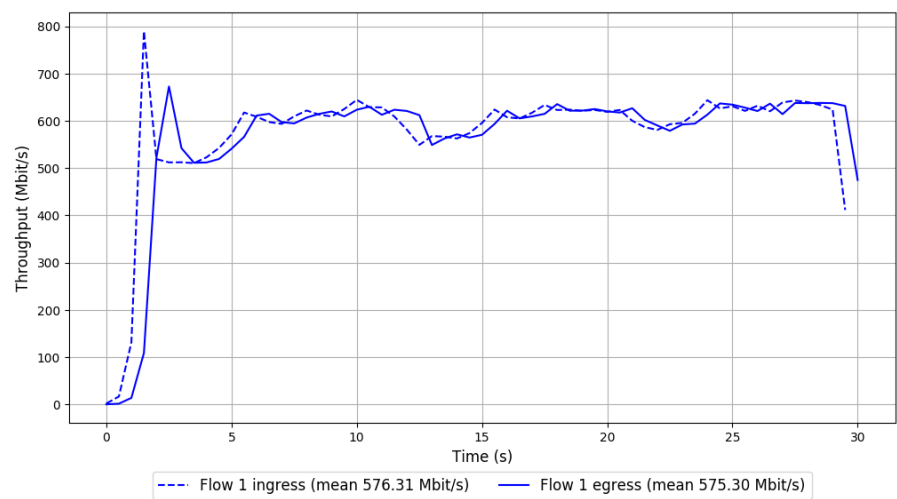
-- Flow 1:

Average throughput: 575.30 Mbit/s

95th percentile per-packet one-way delay: 76.481 ms

Loss rate: 0.17%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-06-01 05:38:18

End at: 2018-06-01 05:38:48

Local clock offset: -0.159 ms

Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-06-01 09:18:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 593.47 Mbit/s

95th percentile per-packet one-way delay: 89.734 ms

Loss rate: 0.38%

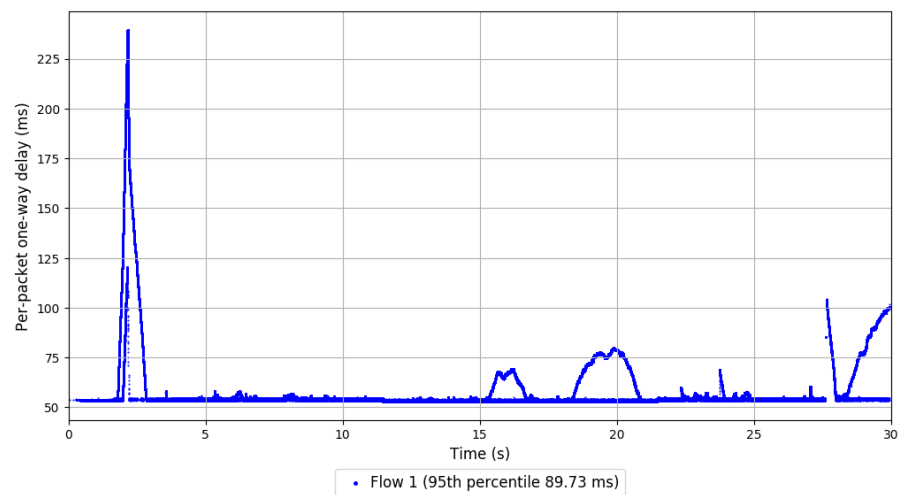
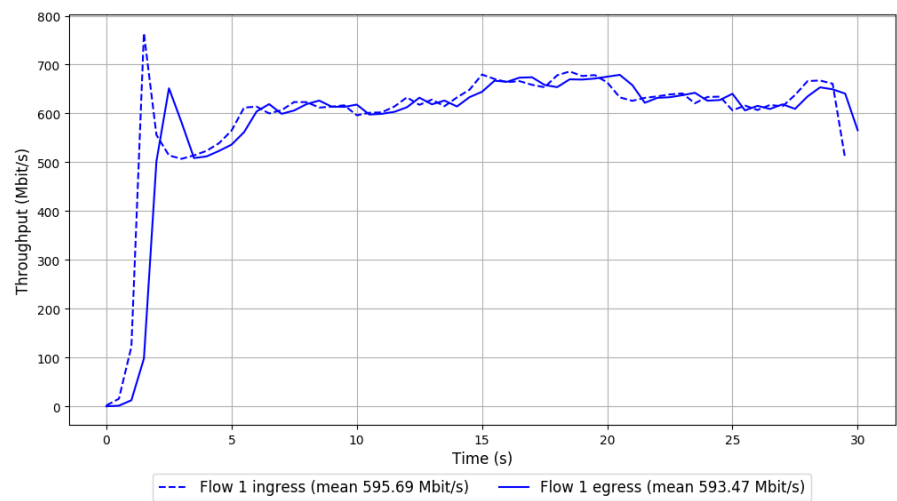
-- Flow 1:

Average throughput: 593.47 Mbit/s

95th percentile per-packet one-way delay: 89.734 ms

Loss rate: 0.38%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-06-01 05:58:34

End at: 2018-06-01 05:59:04

Local clock offset: -0.03 ms

Remote clock offset: 0.171 ms

Below is generated by plot.py at 2018-06-01 09:18:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 584.77 Mbit/s

95th percentile per-packet one-way delay: 77.445 ms

Loss rate: 0.14%

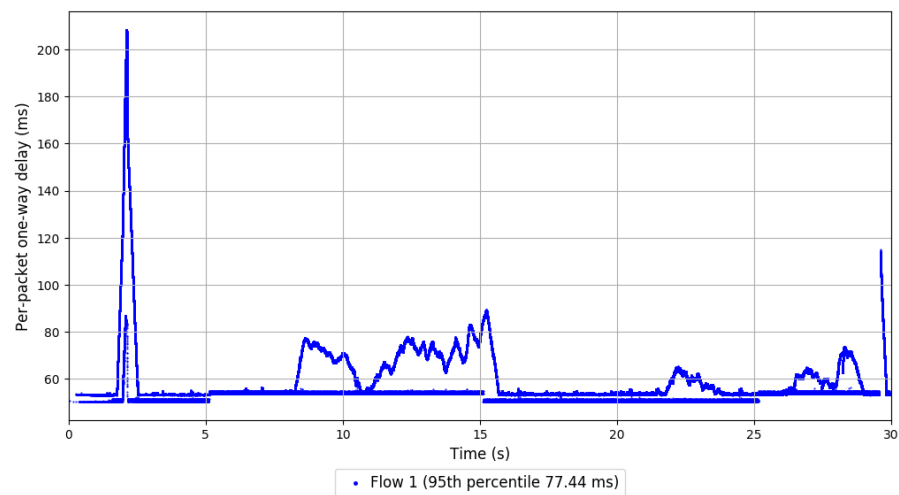
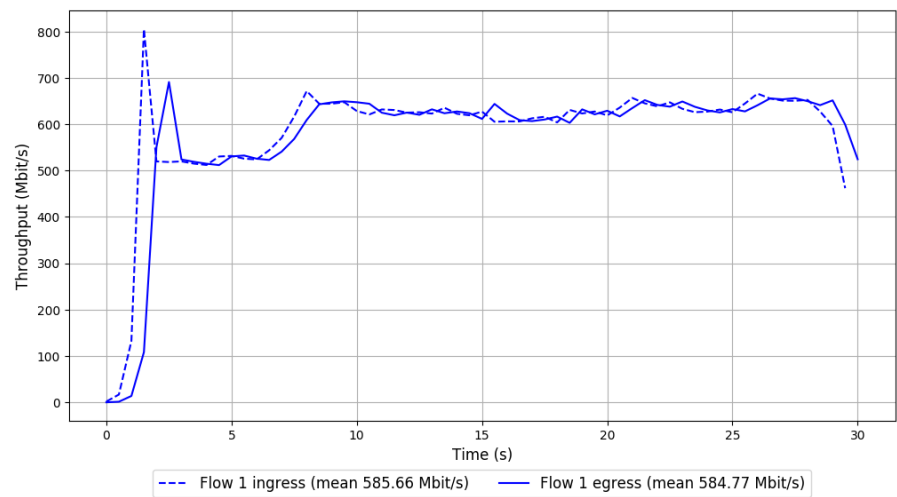
-- Flow 1:

Average throughput: 584.77 Mbit/s

95th percentile per-packet one-way delay: 77.445 ms

Loss rate: 0.14%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-06-01 06:19:14

End at: 2018-06-01 06:19:44

Local clock offset: -0.148 ms

Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-06-01 09:18:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 596.96 Mbit/s

95th percentile per-packet one-way delay: 131.773 ms

Loss rate: 0.18%

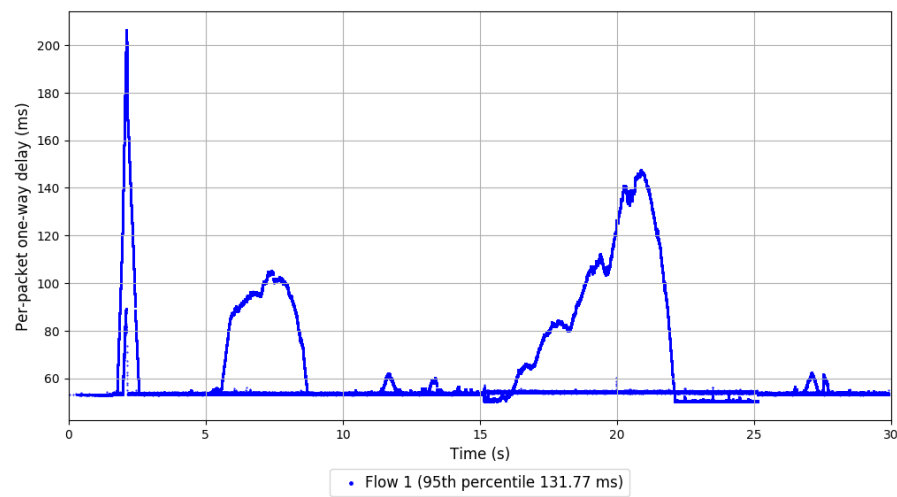
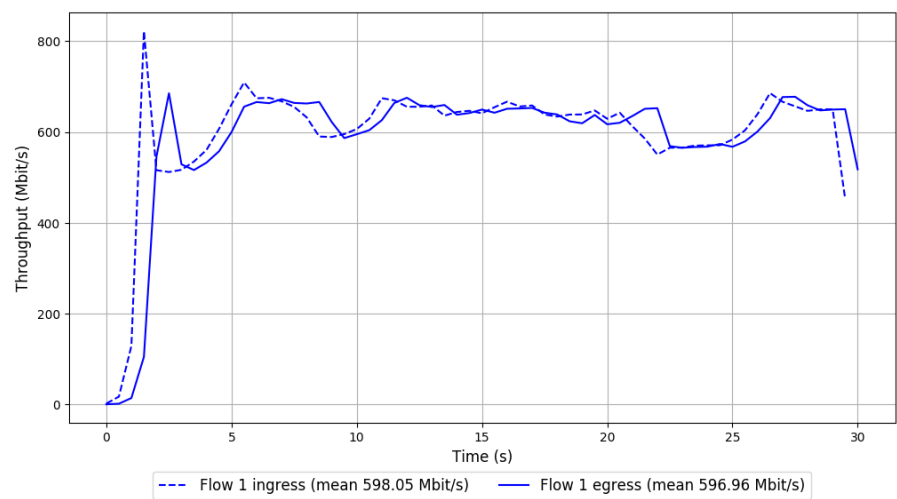
-- Flow 1:

Average throughput: 596.96 Mbit/s

95th percentile per-packet one-way delay: 131.773 ms

Loss rate: 0.18%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-06-01 06:39:25

End at: 2018-06-01 06:39:55

Local clock offset: 0.031 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-06-01 09:18:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 584.40 Mbit/s

95th percentile per-packet one-way delay: 147.794 ms

Loss rate: 0.21%

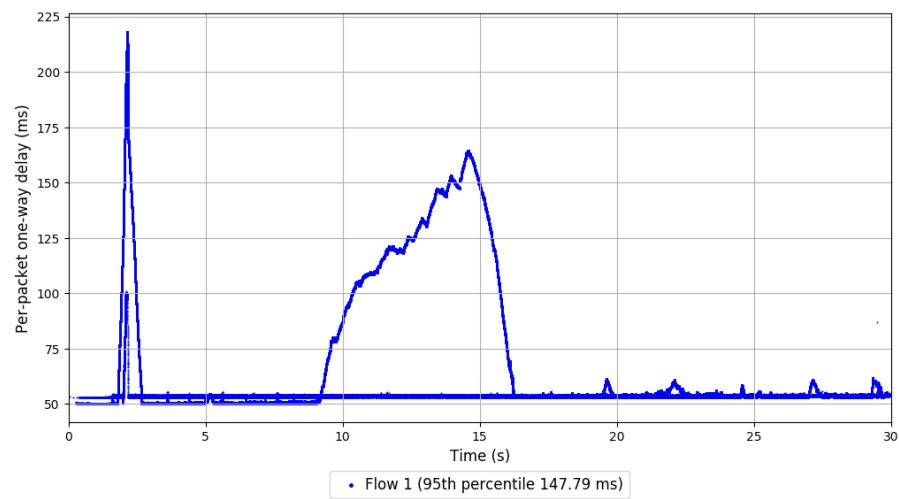
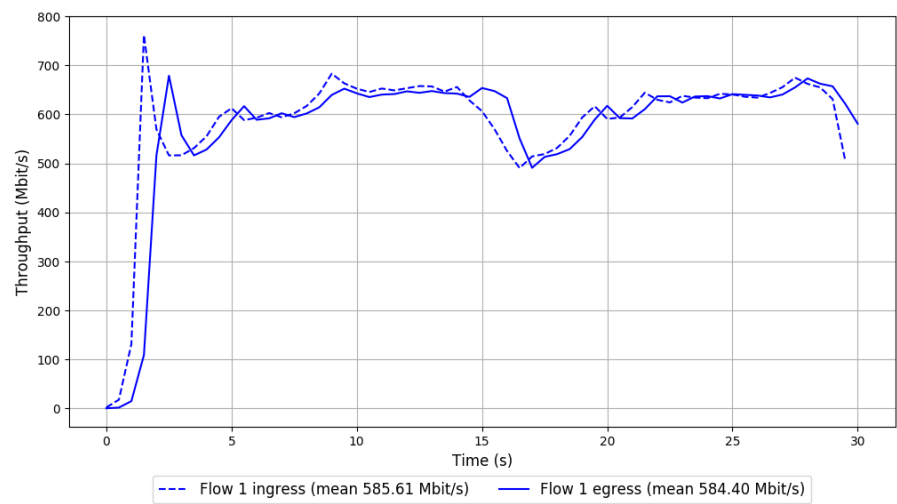
-- Flow 1:

Average throughput: 584.40 Mbit/s

95th percentile per-packet one-way delay: 147.794 ms

Loss rate: 0.21%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-06-01 06:59:49

End at: 2018-06-01 07:00:19

Local clock offset: 0.049 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-06-01 09:18:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 582.33 Mbit/s

95th percentile per-packet one-way delay: 161.828 ms

Loss rate: 0.69%

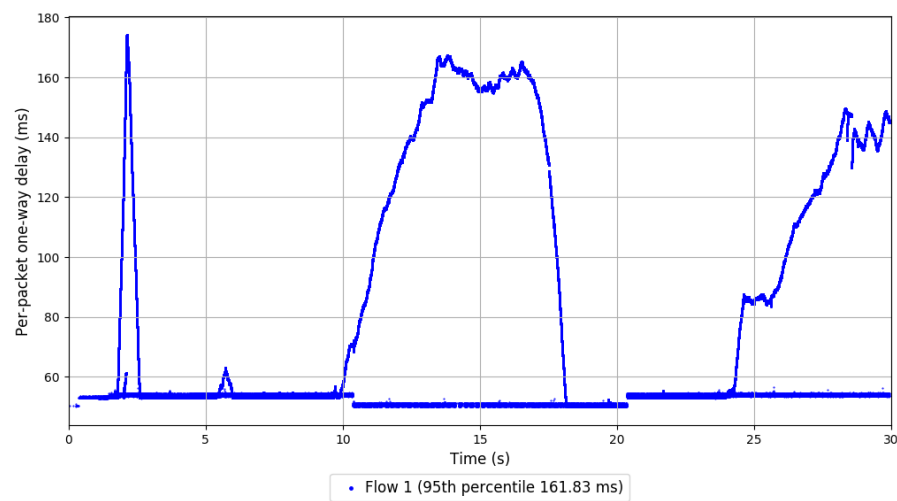
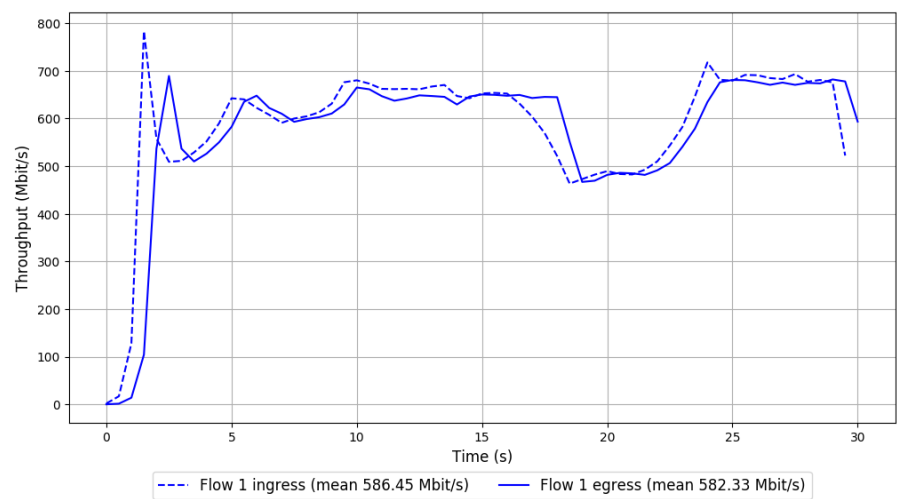
-- Flow 1:

Average throughput: 582.33 Mbit/s

95th percentile per-packet one-way delay: 161.828 ms

Loss rate: 0.69%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-06-01 07:19:56

End at: 2018-06-01 07:20:26

Local clock offset: -0.32 ms

Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-06-01 09:26:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 579.34 Mbit/s

95th percentile per-packet one-way delay: 94.785 ms

Loss rate: 0.15%

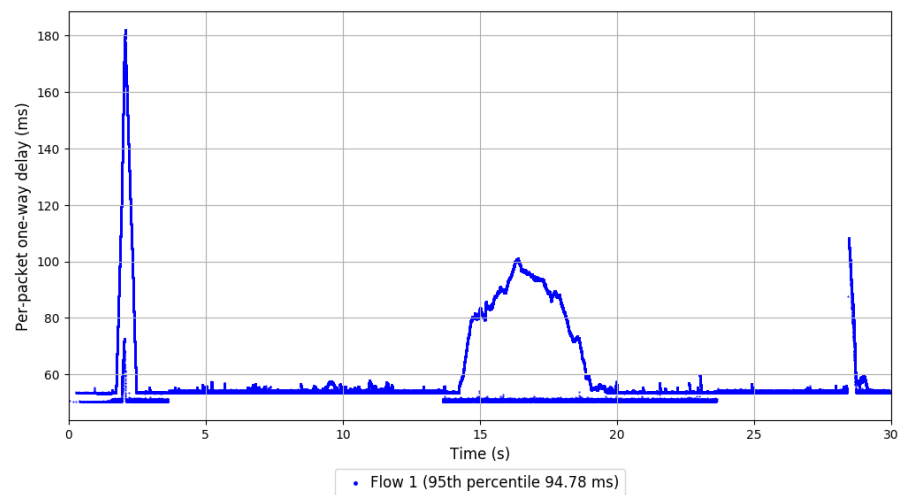
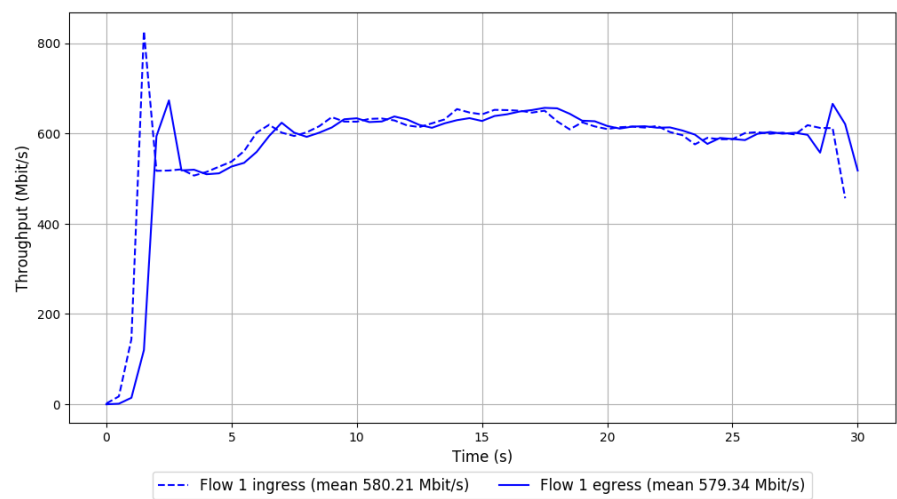
-- Flow 1:

Average throughput: 579.34 Mbit/s

95th percentile per-packet one-way delay: 94.785 ms

Loss rate: 0.15%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-06-01 07:39:49

End at: 2018-06-01 07:40:19

Local clock offset: -0.093 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-06-01 09:26:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 595.17 Mbit/s

95th percentile per-packet one-way delay: 104.749 ms

Loss rate: 0.19%

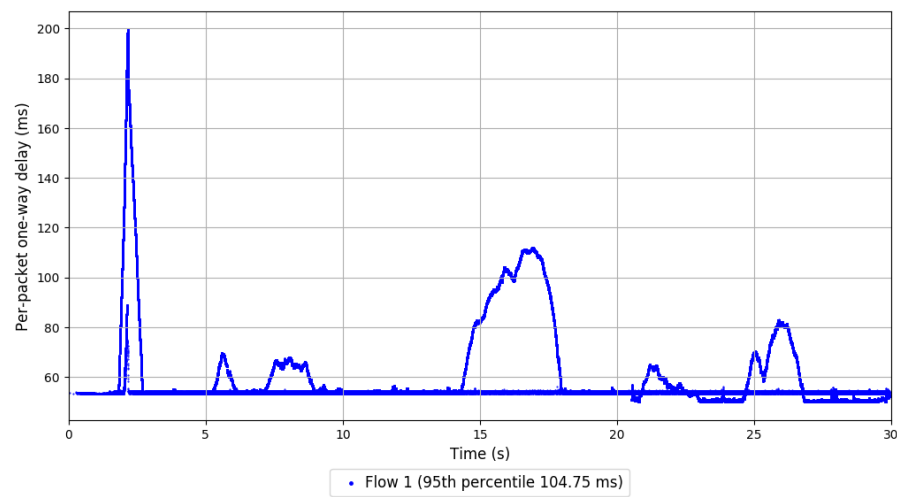
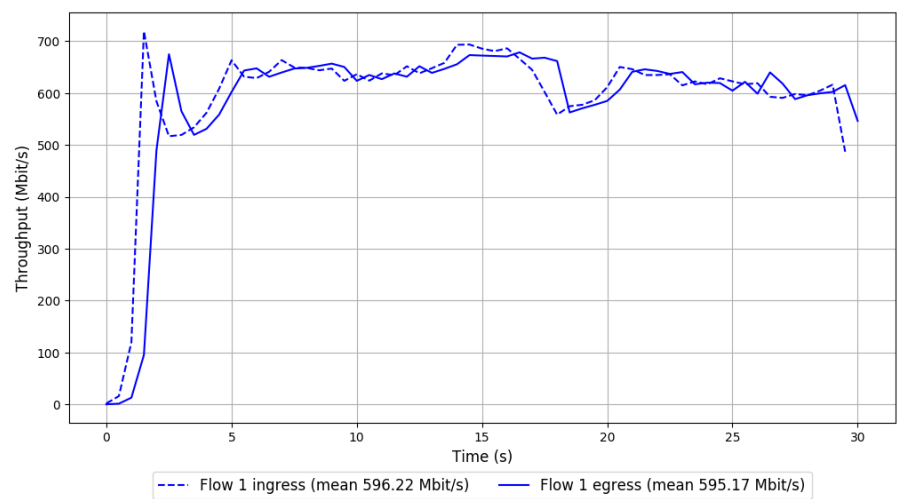
-- Flow 1:

Average throughput: 595.17 Mbit/s

95th percentile per-packet one-way delay: 104.749 ms

Loss rate: 0.19%

Run 8: Report of PCC-Allegro — Data Link

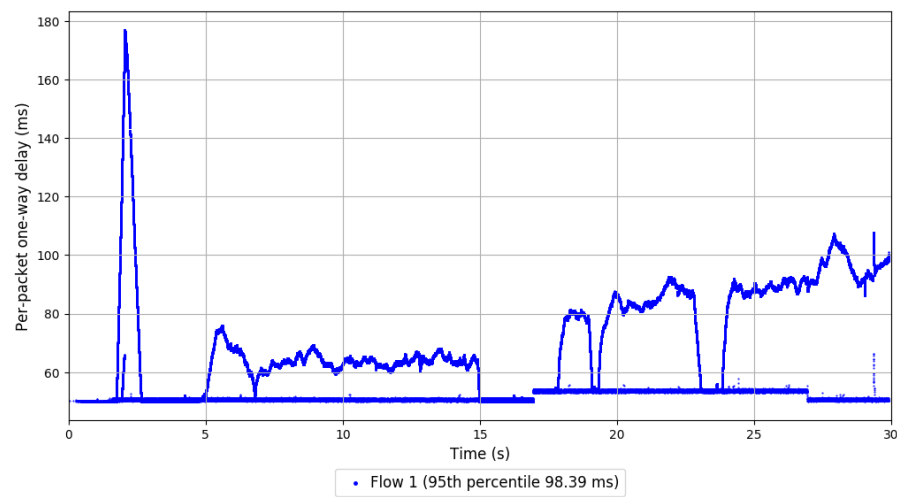
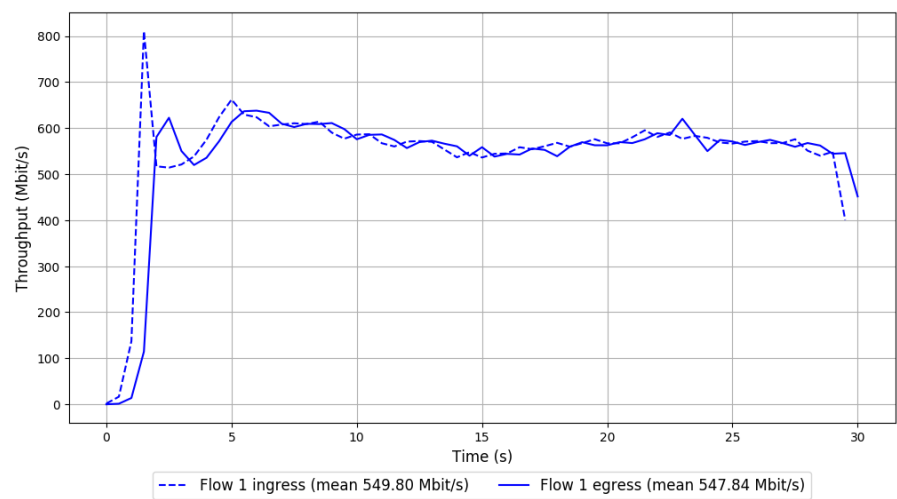


Run 9: Statistics of PCC-Allegro

Start at: 2018-06-01 08:00:43
End at: 2018-06-01 08:01:13
Local clock offset: -0.019 ms
Remote clock offset: -0.194 ms

Below is generated by plot.py at 2018-06-01 09:26:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 547.84 Mbit/s
95th percentile per-packet one-way delay: 98.390 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 547.84 Mbit/s
95th percentile per-packet one-way delay: 98.390 ms
Loss rate: 0.35%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-06-01 08:21:28

End at: 2018-06-01 08:21:58

Local clock offset: -0.207 ms

Remote clock offset: 0.207 ms

Below is generated by plot.py at 2018-06-01 09:26:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 570.78 Mbit/s

95th percentile per-packet one-way delay: 71.556 ms

Loss rate: 0.24%

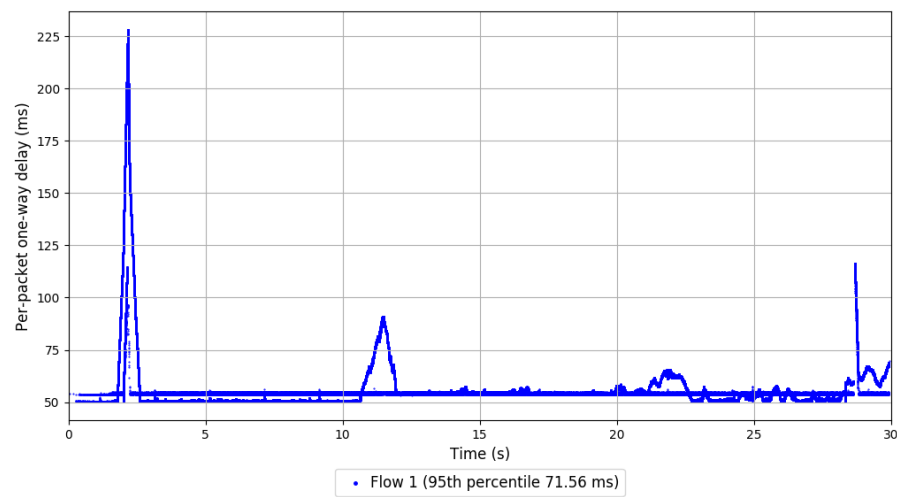
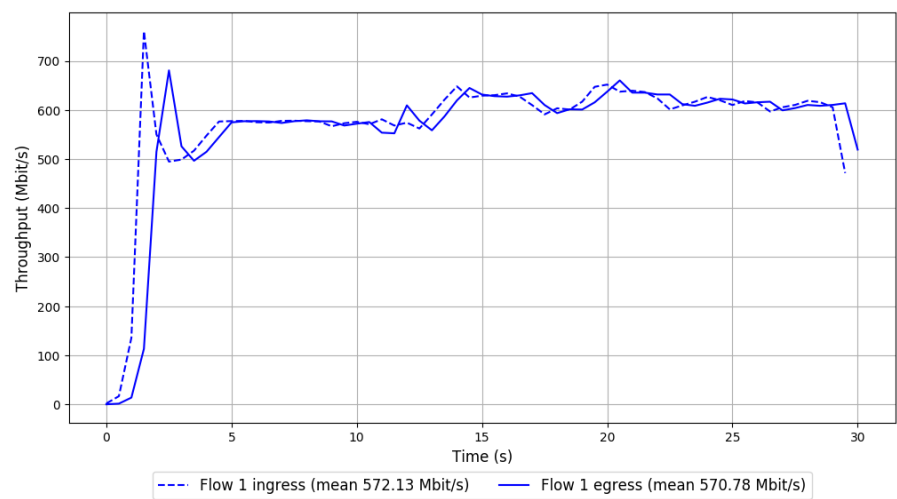
-- Flow 1:

Average throughput: 570.78 Mbit/s

95th percentile per-packet one-way delay: 71.556 ms

Loss rate: 0.24%

Run 10: Report of PCC-Allegro — Data Link

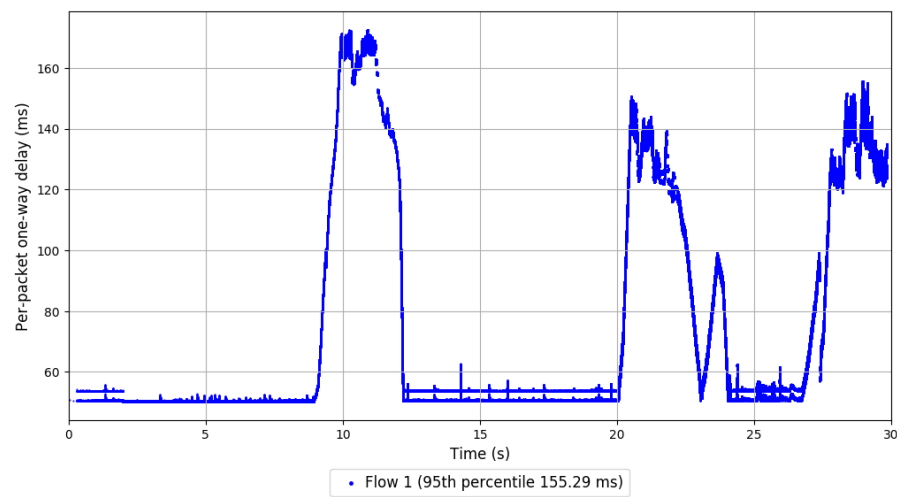
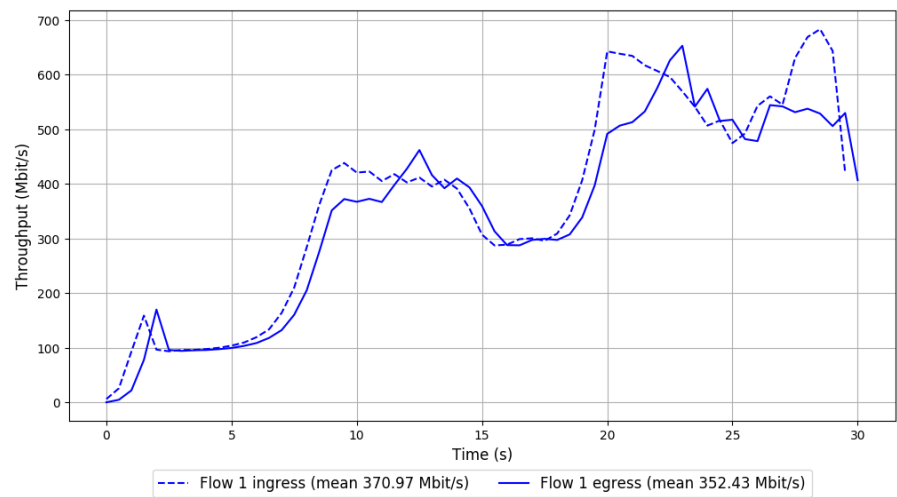


```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-01 05:15:07
End at: 2018-06-01 05:15:38
Local clock offset: -0.189 ms
Remote clock offset: 0.129 ms

# Below is generated by plot.py at 2018-06-01 09:29:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 352.43 Mbit/s
95th percentile per-packet one-way delay: 155.291 ms
Loss rate: 4.99%
-- Flow 1:
Average throughput: 352.43 Mbit/s
95th percentile per-packet one-way delay: 155.291 ms
Loss rate: 4.99%
```

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-06-01 05:35:28

End at: 2018-06-01 05:35:58

Local clock offset: -0.141 ms

Remote clock offset: 0.177 ms

Below is generated by plot.py at 2018-06-01 09:29:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 339.28 Mbit/s

95th percentile per-packet one-way delay: 172.530 ms

Loss rate: 1.65%

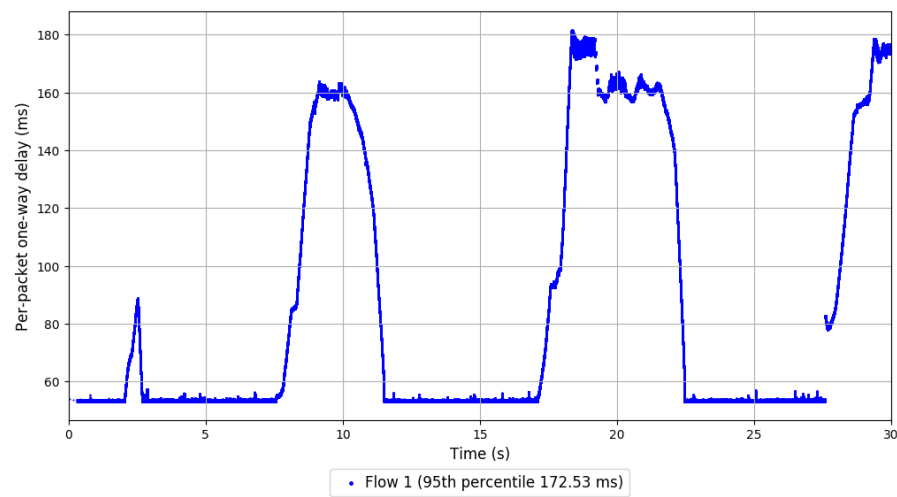
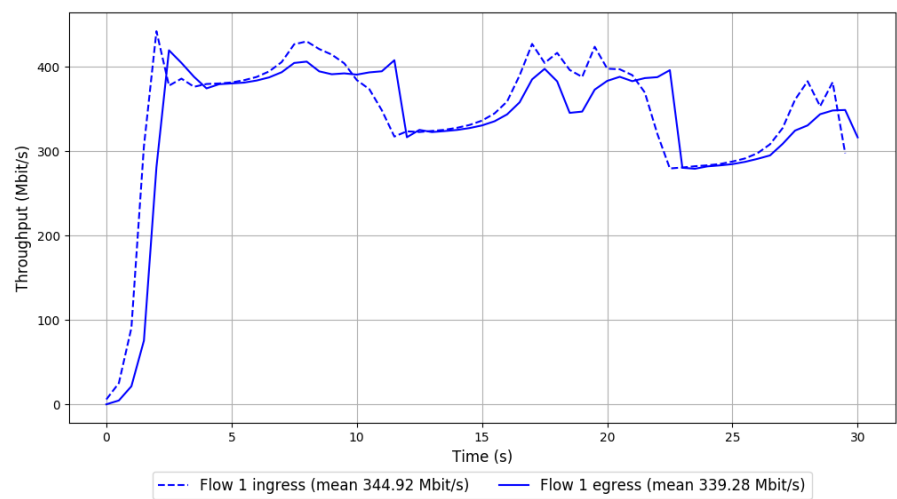
-- Flow 1:

Average throughput: 339.28 Mbit/s

95th percentile per-packet one-way delay: 172.530 ms

Loss rate: 1.65%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-06-01 05:55:45

End at: 2018-06-01 05:56:15

Local clock offset: 0.063 ms

Remote clock offset: 0.078 ms

Below is generated by plot.py at 2018-06-01 09:31:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 422.44 Mbit/s

95th percentile per-packet one-way delay: 151.294 ms

Loss rate: 0.57%

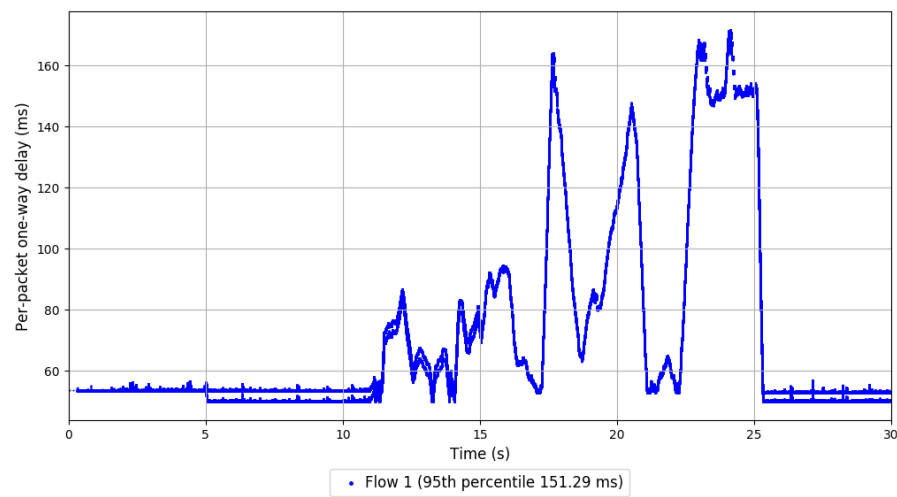
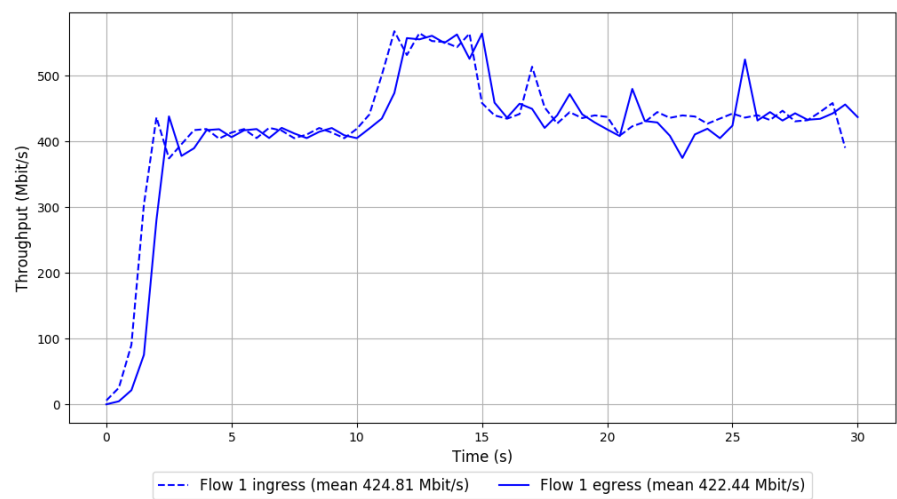
-- Flow 1:

Average throughput: 422.44 Mbit/s

95th percentile per-packet one-way delay: 151.294 ms

Loss rate: 0.57%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-06-01 06:16:24

End at: 2018-06-01 06:16:54

Local clock offset: -0.148 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-06-01 09:32:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 446.11 Mbit/s

95th percentile per-packet one-way delay: 138.927 ms

Loss rate: 3.19%

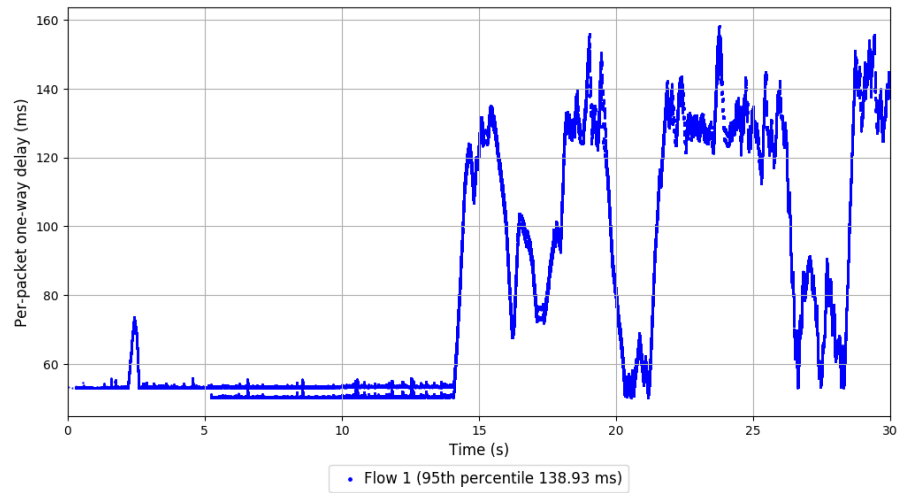
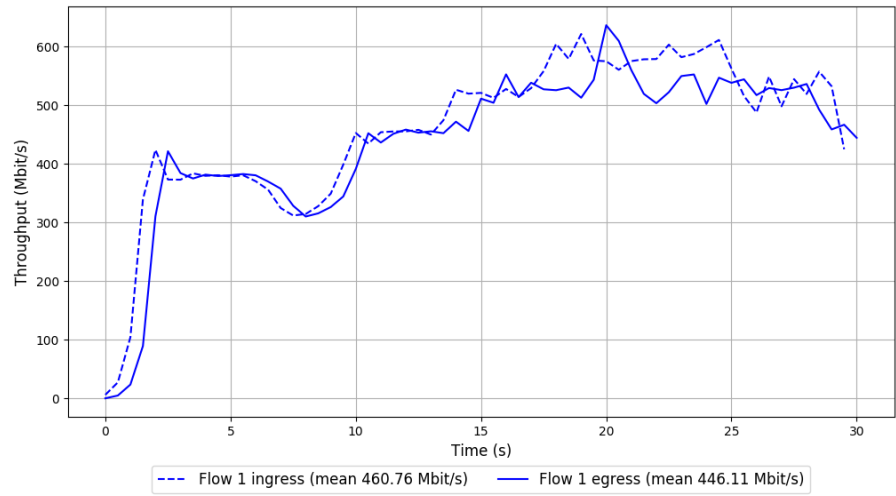
-- Flow 1:

Average throughput: 446.11 Mbit/s

95th percentile per-packet one-way delay: 138.927 ms

Loss rate: 3.19%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-06-01 06:36:35

End at: 2018-06-01 06:37:05

Local clock offset: 0.257 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-06-01 09:41:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 458.28 Mbit/s

95th percentile per-packet one-way delay: 205.842 ms

Loss rate: 4.99%

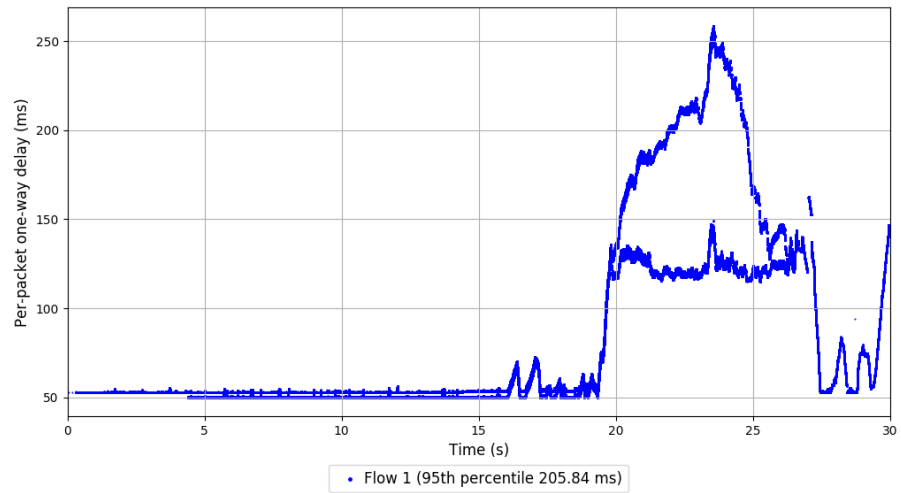
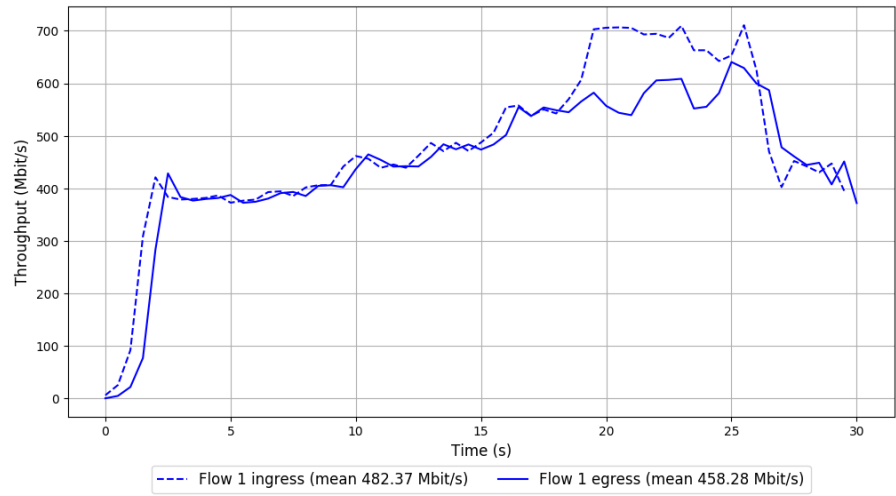
-- Flow 1:

Average throughput: 458.28 Mbit/s

95th percentile per-packet one-way delay: 205.842 ms

Loss rate: 4.99%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-06-01 06:57:19

End at: 2018-06-01 06:57:49

Local clock offset: -0.125 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2018-06-01 09:41:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 136.25 Mbit/s

95th percentile per-packet one-way delay: 53.715 ms

Loss rate: 0.01%

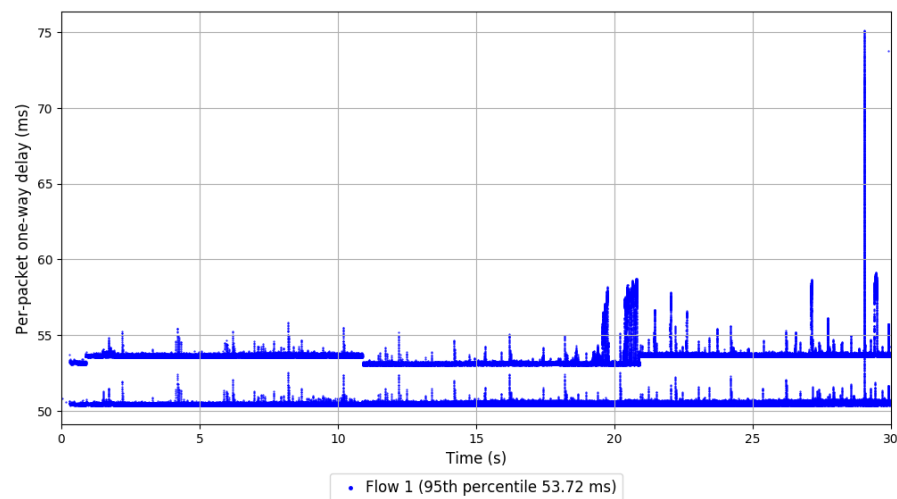
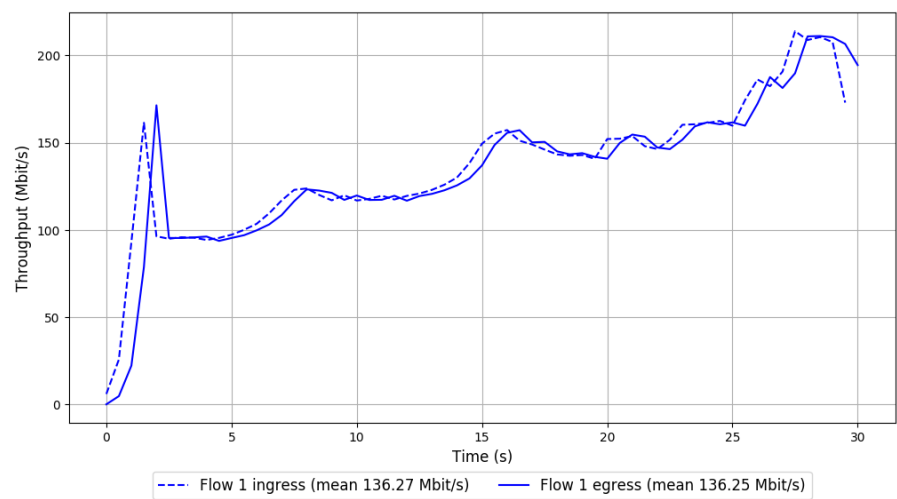
-- Flow 1:

Average throughput: 136.25 Mbit/s

95th percentile per-packet one-way delay: 53.715 ms

Loss rate: 0.01%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-06-01 07:17:13

End at: 2018-06-01 07:17:43

Local clock offset: 0.057 ms

Remote clock offset: 0.183 ms

Below is generated by plot.py at 2018-06-01 09:41:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 317.87 Mbit/s

95th percentile per-packet one-way delay: 184.342 ms

Loss rate: 7.93%

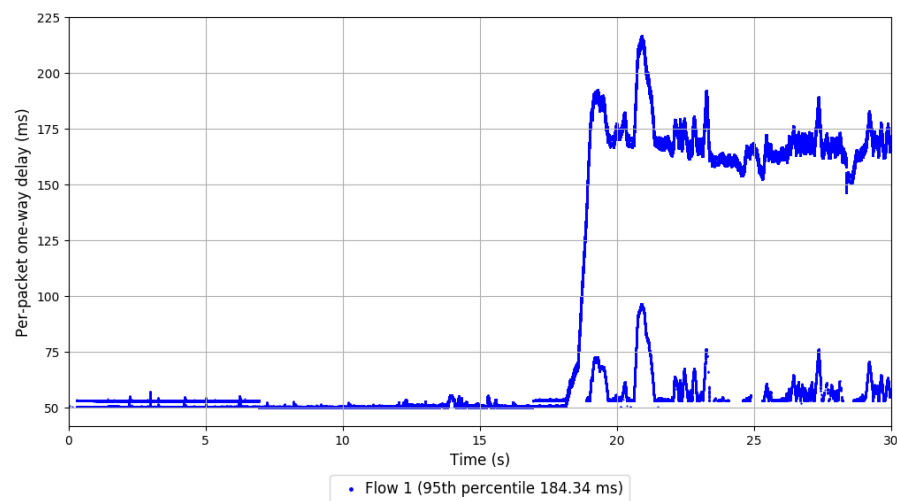
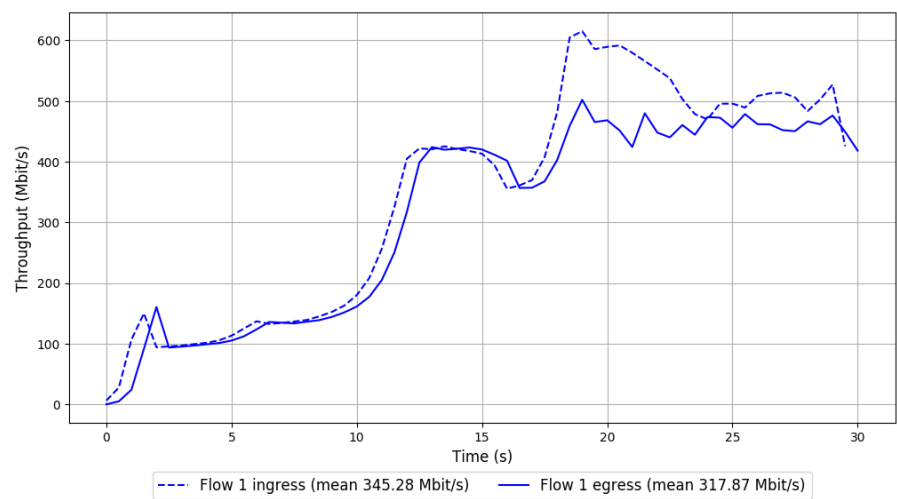
-- Flow 1:

Average throughput: 317.87 Mbit/s

95th percentile per-packet one-way delay: 184.342 ms

Loss rate: 7.93%

Run 7: Report of PCC-Expr — Data Link

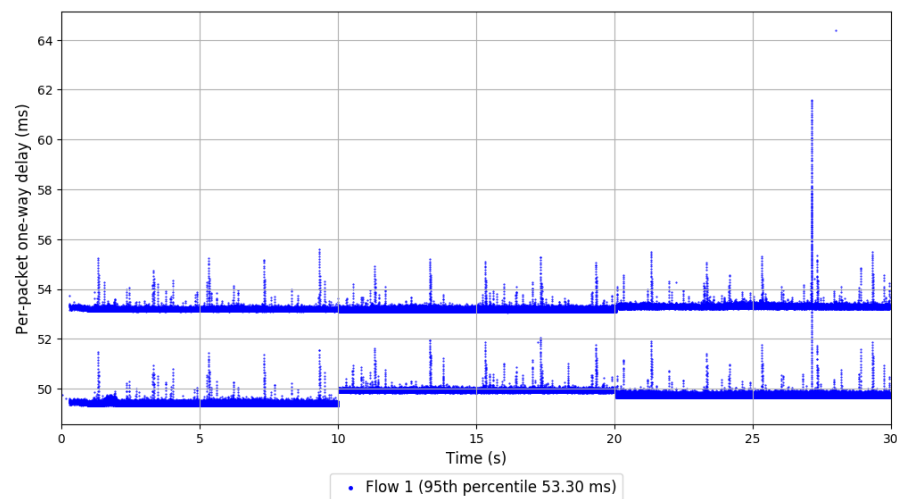
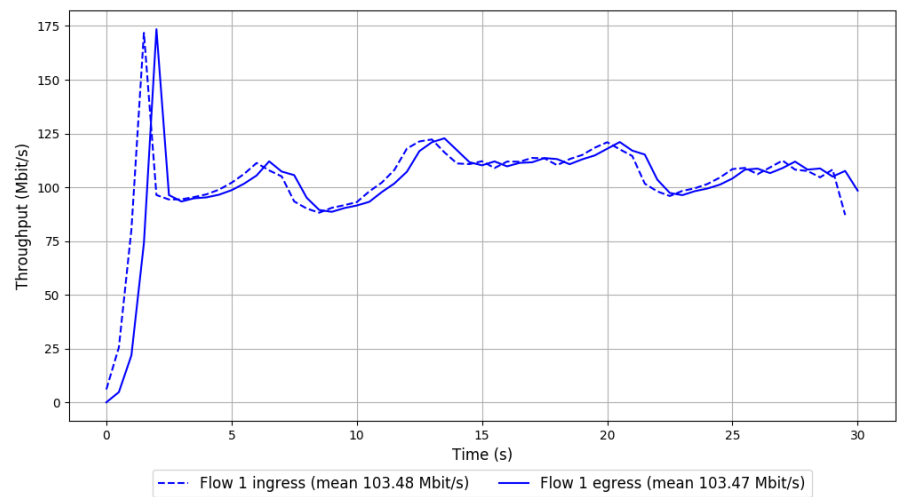


Run 8: Statistics of PCC-Expr

Start at: 2018-06-01 07:37:20
End at: 2018-06-01 07:37:50
Local clock offset: -0.039 ms
Remote clock offset: -0.295 ms

Below is generated by plot.py at 2018-06-01 09:41:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 103.47 Mbit/s
95th percentile per-packet one-way delay: 53.298 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 103.47 Mbit/s
95th percentile per-packet one-way delay: 53.298 ms
Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link

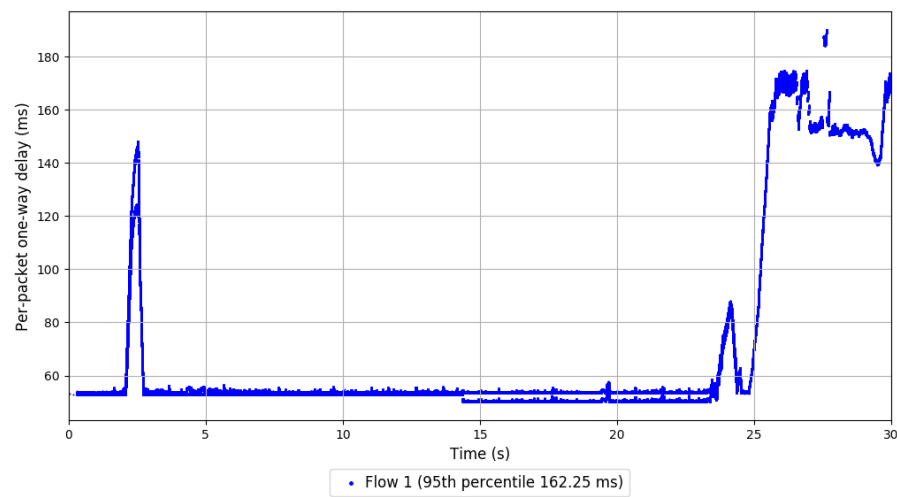
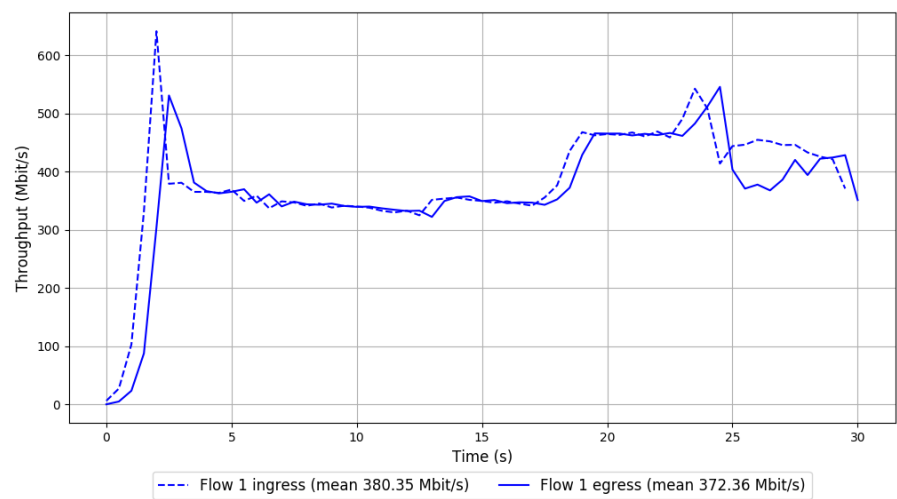


Run 9: Statistics of PCC-Expr

Start at: 2018-06-01 07:57:55
End at: 2018-06-01 07:58:25
Local clock offset: -0.212 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-06-01 09:41:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 372.36 Mbit/s
95th percentile per-packet one-way delay: 162.255 ms
Loss rate: 2.11%
-- Flow 1:
Average throughput: 372.36 Mbit/s
95th percentile per-packet one-way delay: 162.255 ms
Loss rate: 2.11%

Run 9: Report of PCC-Expr — Data Link

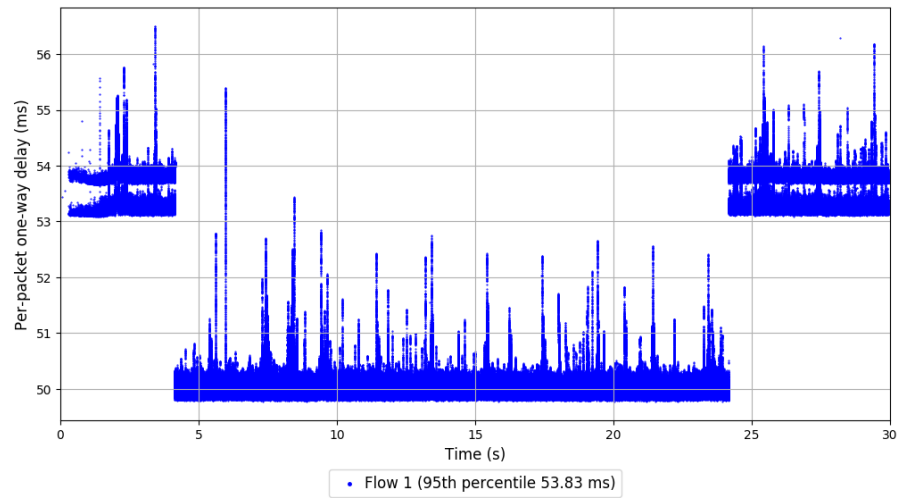
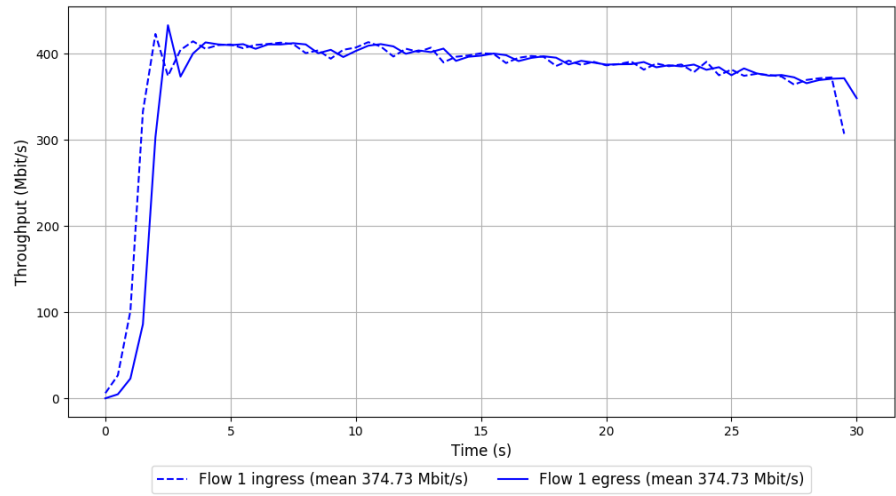


Run 10: Statistics of PCC-Expr

Start at: 2018-06-01 08:18:35
End at: 2018-06-01 08:19:06
Local clock offset: -0.253 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-06-01 09:41:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 374.73 Mbit/s
95th percentile per-packet one-way delay: 53.825 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 374.73 Mbit/s
95th percentile per-packet one-way delay: 53.825 ms
Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

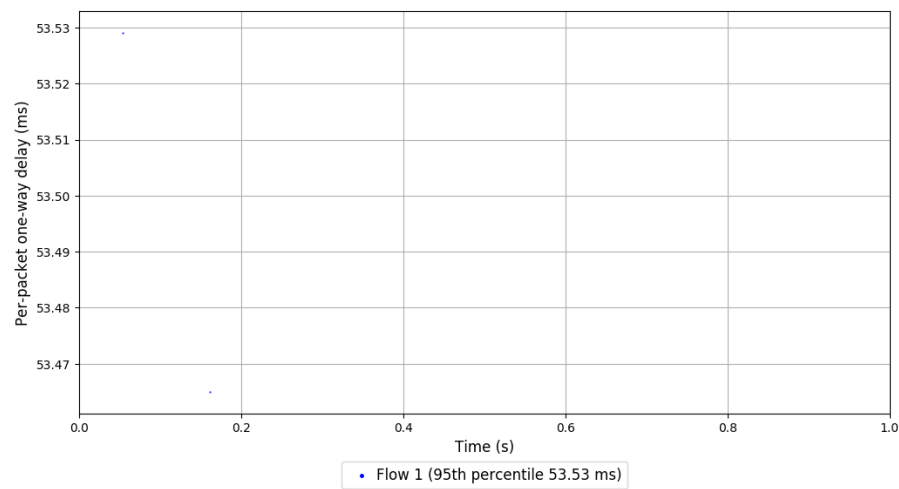
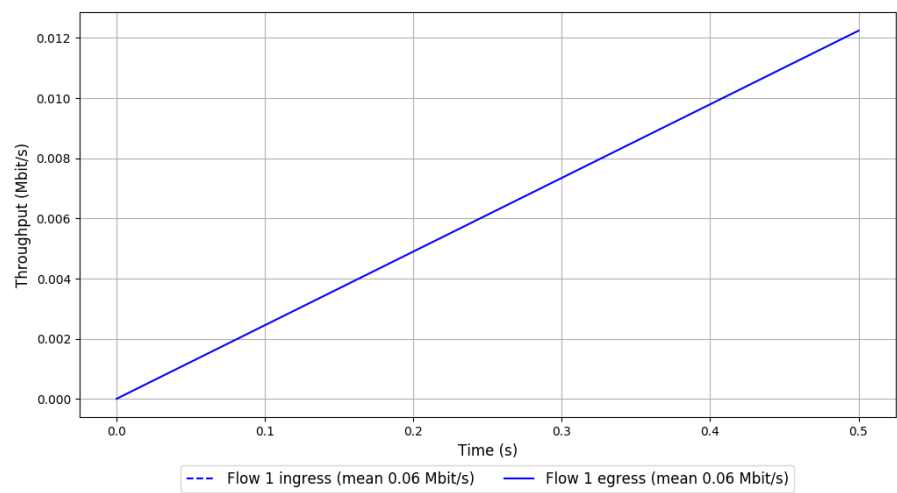
Start at: 2018-06-01 05:06:28

End at: 2018-06-01 05:06:58

Local clock offset: -0.11 ms

Remote clock offset: -0.08 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

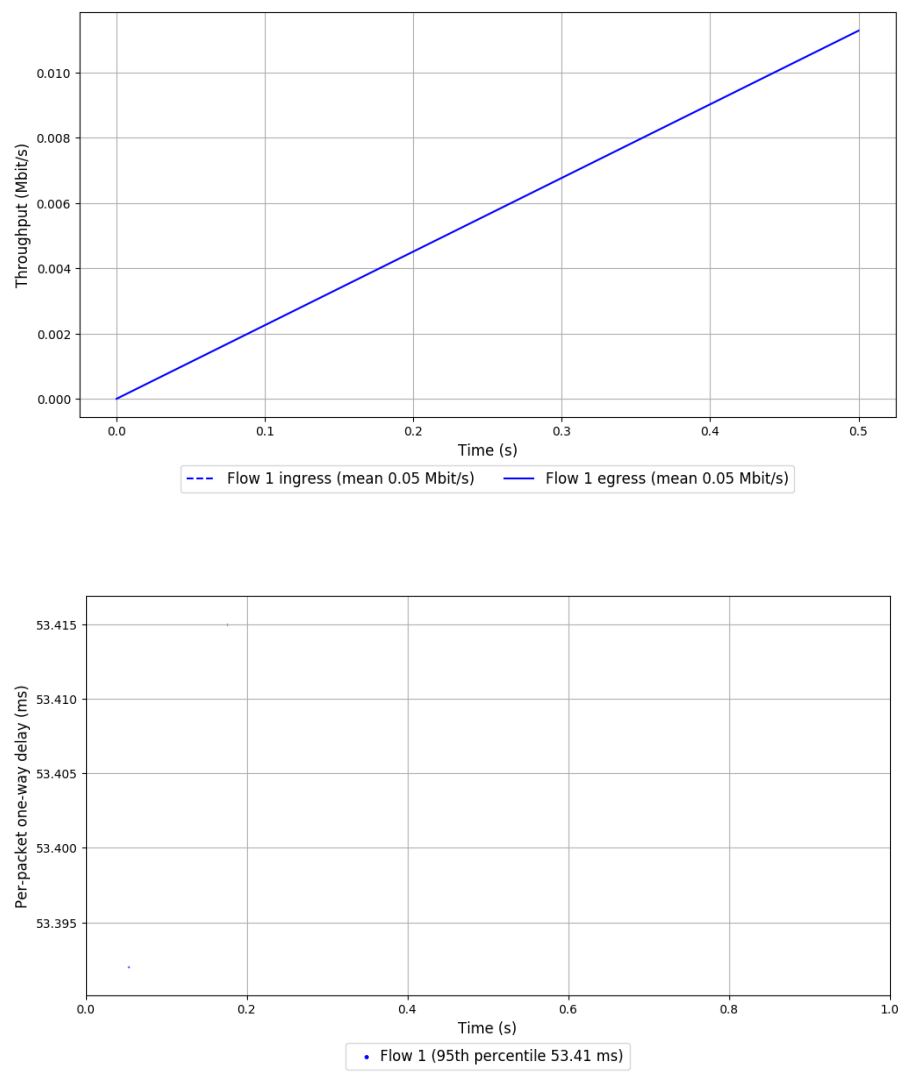
Start at: 2018-06-01 05:26:48

End at: 2018-06-01 05:27:18

Local clock offset: -0.115 ms

Remote clock offset: -0.203 ms

Run 2: Report of QUIC Cubic — Data Link

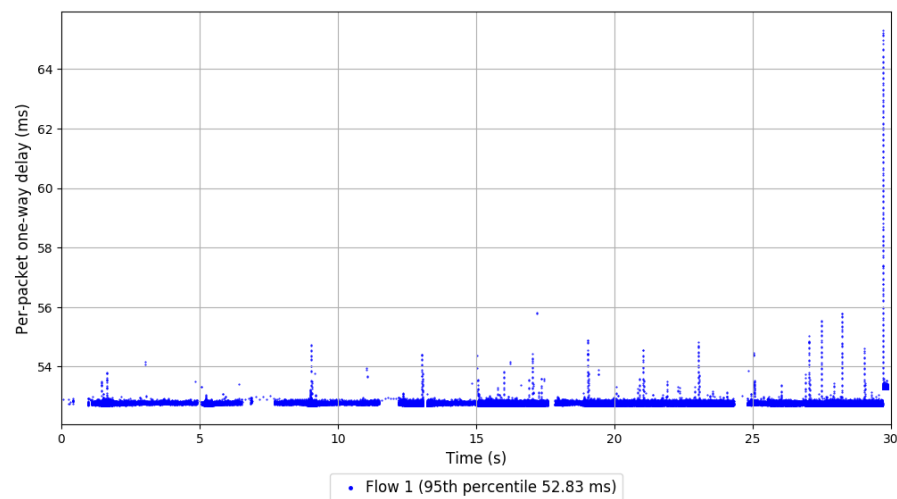
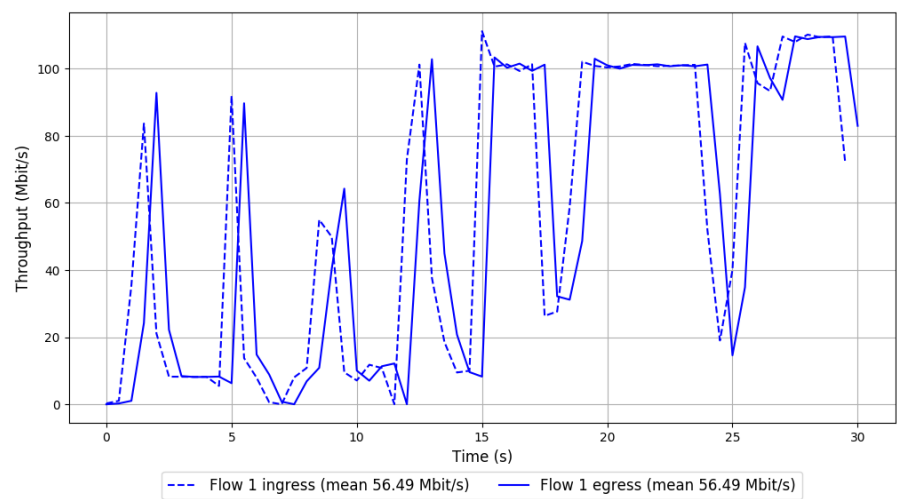


Run 3: Statistics of QUIC Cubic

Start at: 2018-06-01 05:47:00
End at: 2018-06-01 05:47:30
Local clock offset: -0.099 ms
Remote clock offset: -0.199 ms

Below is generated by plot.py at 2018-06-01 09:41:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 56.49 Mbit/s
95th percentile per-packet one-way delay: 52.826 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 56.49 Mbit/s
95th percentile per-packet one-way delay: 52.826 ms
Loss rate: 0.02%

Run 3: Report of QUIC Cubic — Data Link

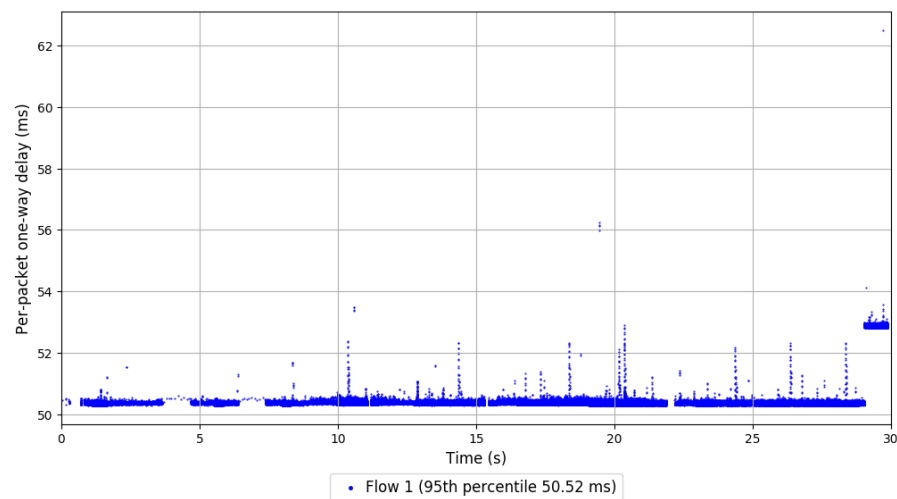
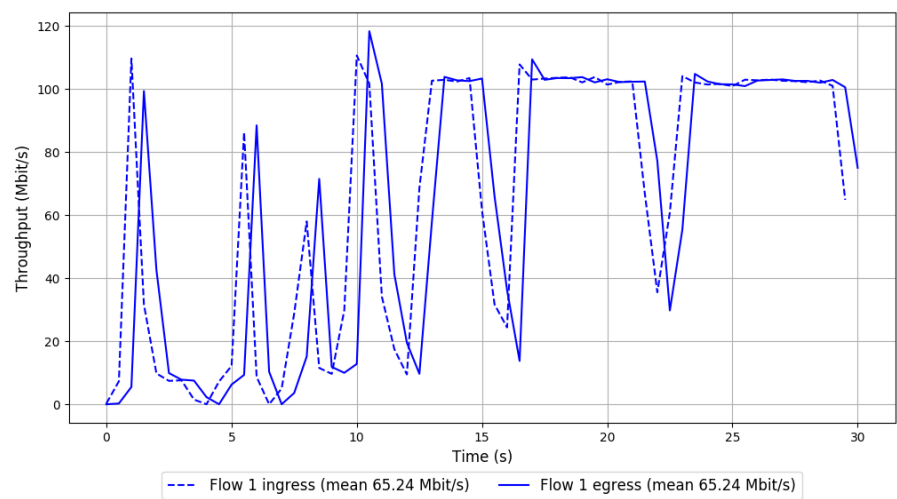


Run 4: Statistics of QUIC Cubic

Start at: 2018-06-01 06:07:40
End at: 2018-06-01 06:08:10
Local clock offset: -0.023 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-06-01 09:41:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.24 Mbit/s
95th percentile per-packet one-way delay: 50.525 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 65.24 Mbit/s
95th percentile per-packet one-way delay: 50.525 ms
Loss rate: 0.01%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

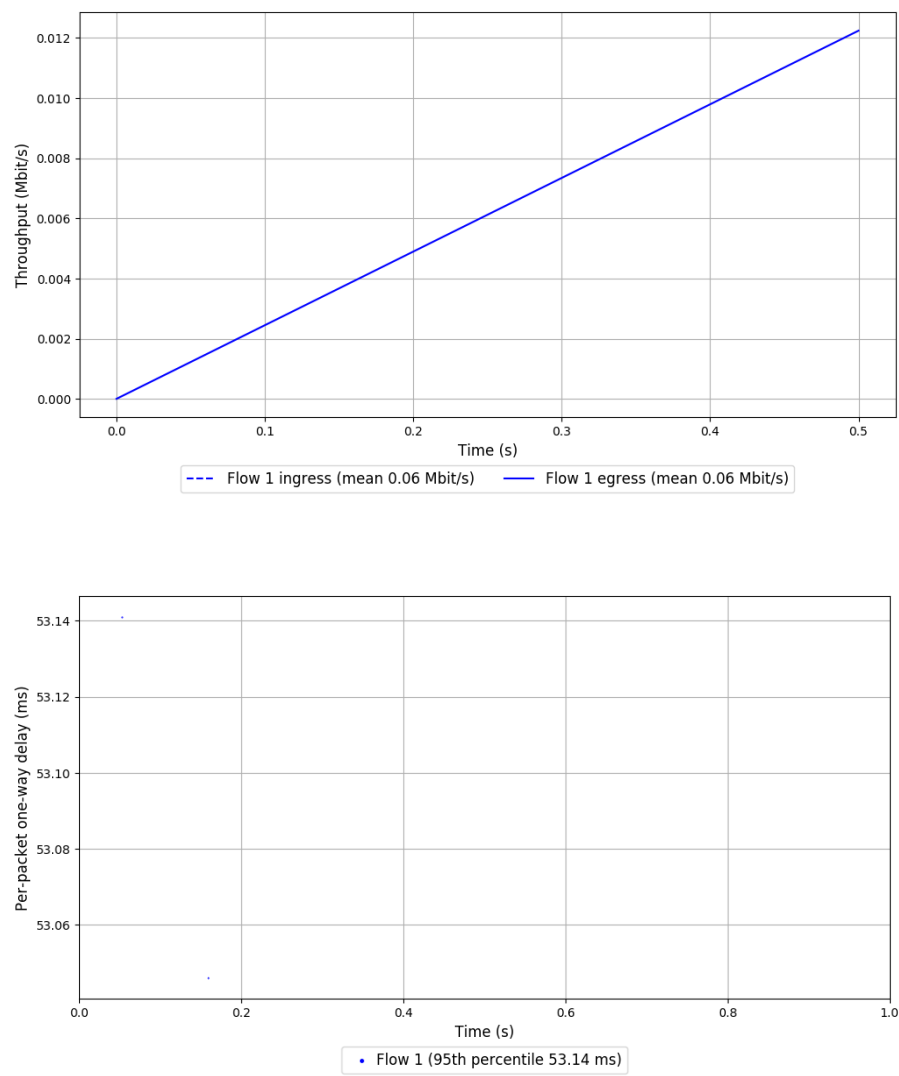
Start at: 2018-06-01 06:28:02

End at: 2018-06-01 06:28:32

Local clock offset: -0.209 ms

Remote clock offset: 0.023 ms

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

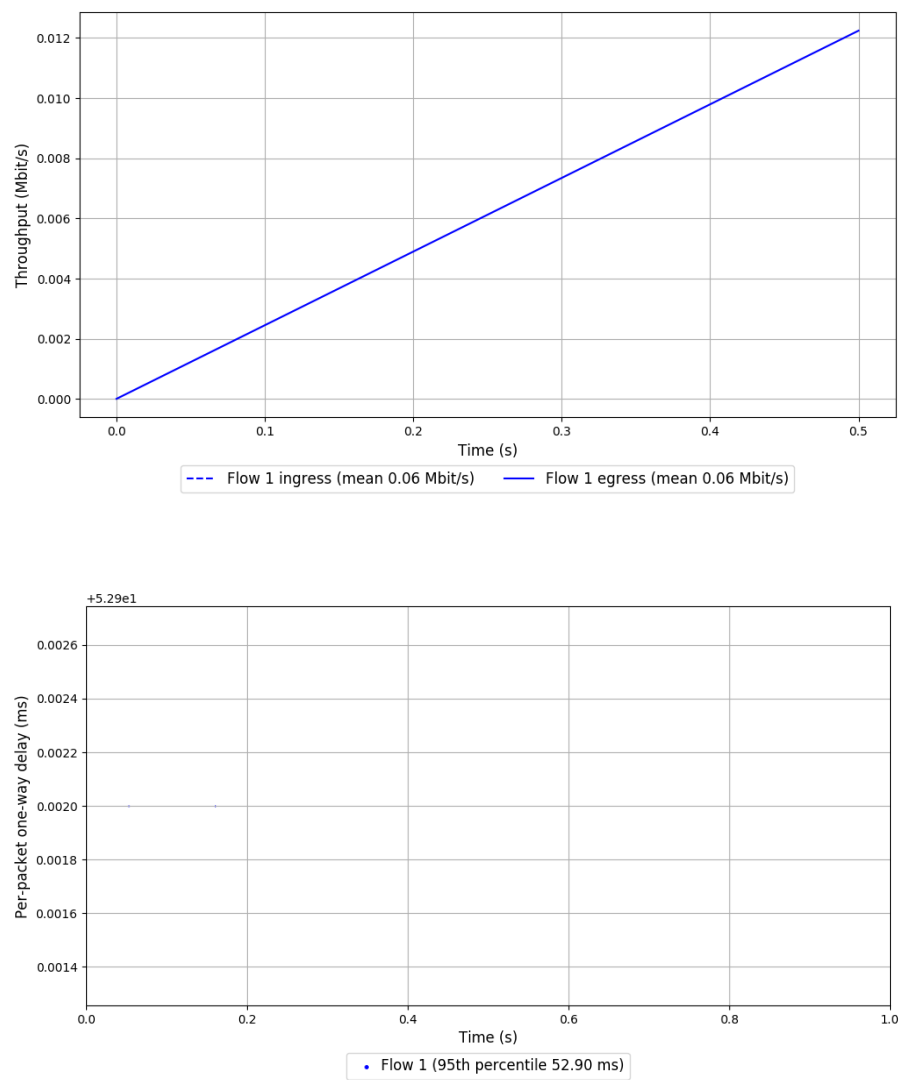
Start at: 2018-06-01 06:48:34

End at: 2018-06-01 06:49:04

Local clock offset: -0.165 ms

Remote clock offset: -0.2 ms

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

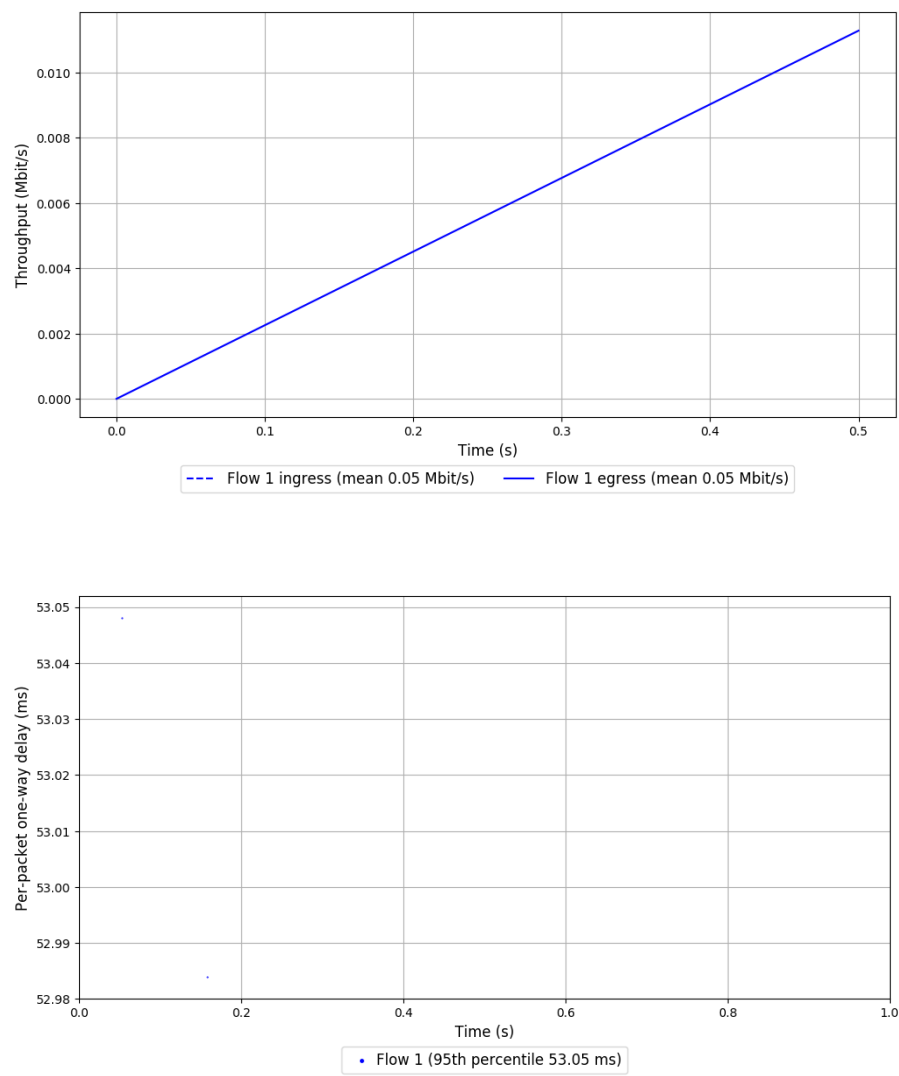
Start at: 2018-06-01 07:08:30

End at: 2018-06-01 07:09:00

Local clock offset: -0.042 ms

Remote clock offset: -0.311 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

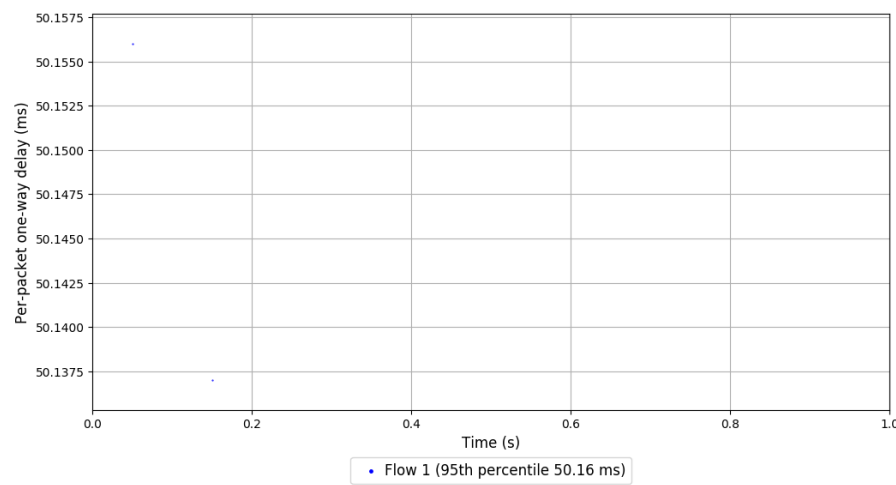
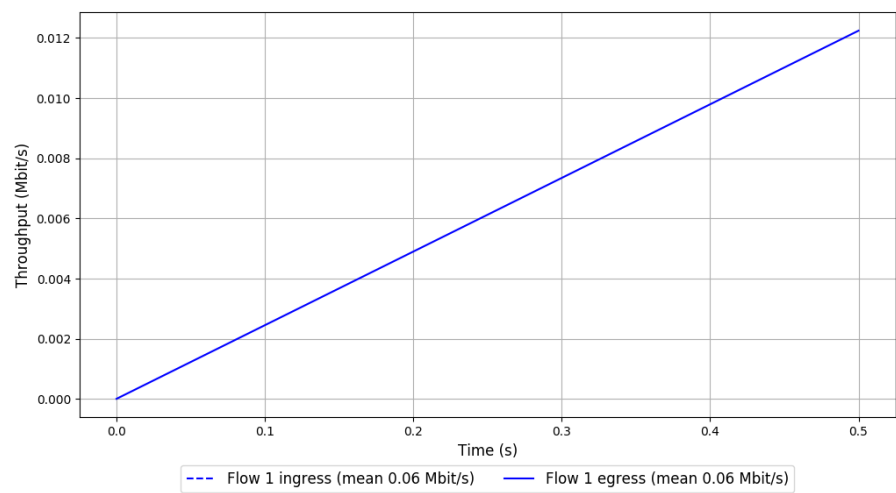
Start at: 2018-06-01 07:28:43

End at: 2018-06-01 07:29:13

Local clock offset: -0.266 ms

Remote clock offset: 0.018 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-06-01 07:49:10

End at: 2018-06-01 07:49:40

Local clock offset: -0.434 ms

Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-06-01 09:41:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.38 Mbit/s

95th percentile per-packet one-way delay: 53.918 ms

Loss rate: 0.00%

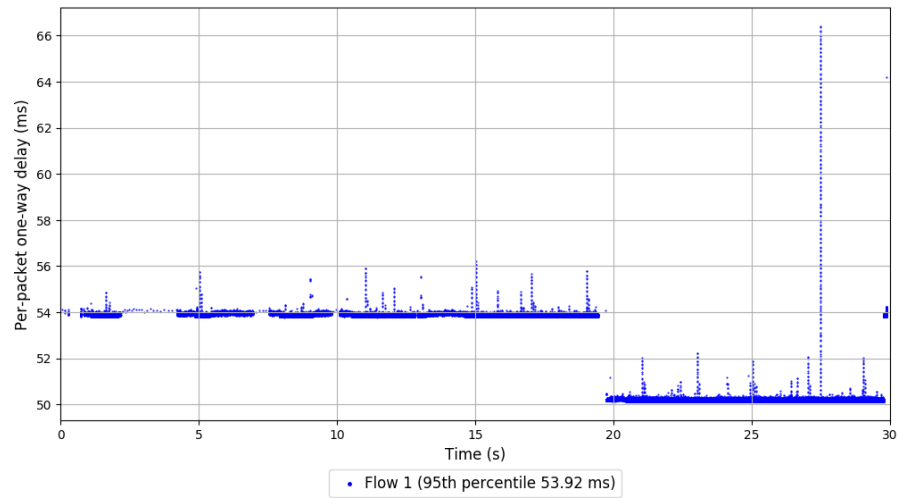
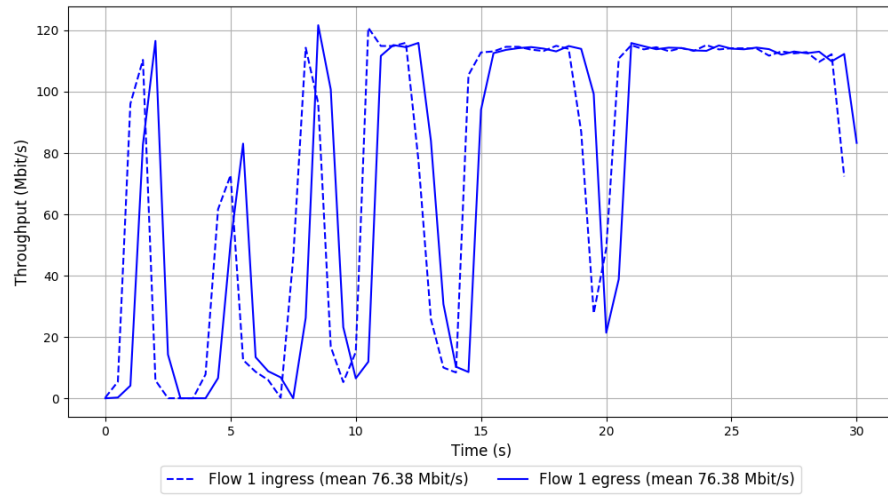
-- Flow 1:

Average throughput: 76.38 Mbit/s

95th percentile per-packet one-way delay: 53.918 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-06-01 08:09:51

End at: 2018-06-01 08:10:21

Local clock offset: 0.202 ms

Remote clock offset: -0.226 ms

Below is generated by plot.py at 2018-06-01 09:41:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.83 Mbit/s

95th percentile per-packet one-way delay: 52.426 ms

Loss rate: 0.00%

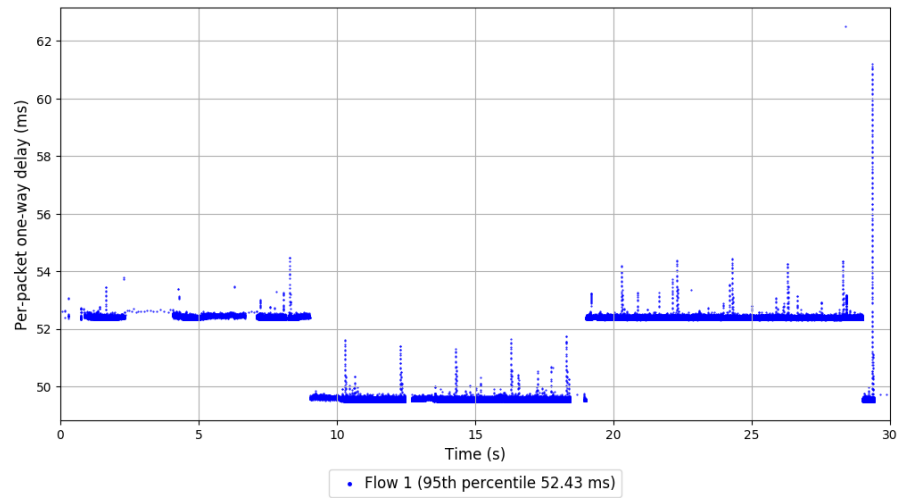
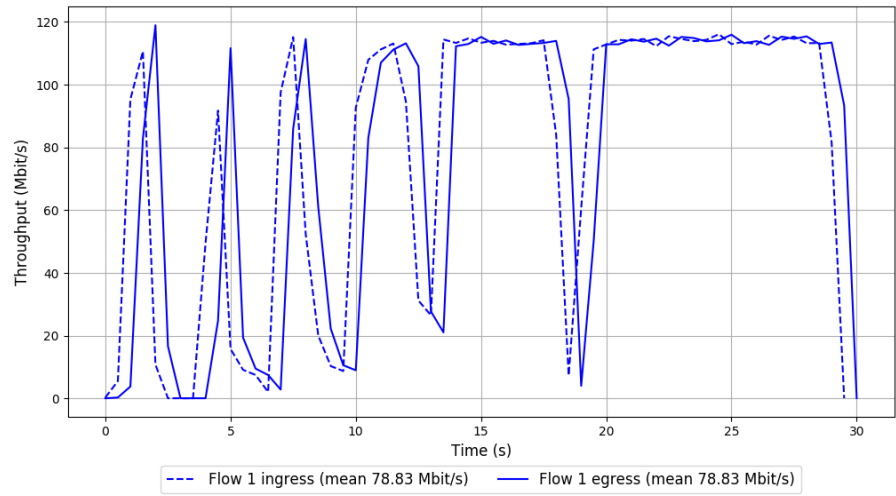
-- Flow 1:

Average throughput: 78.83 Mbit/s

95th percentile per-packet one-way delay: 52.426 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

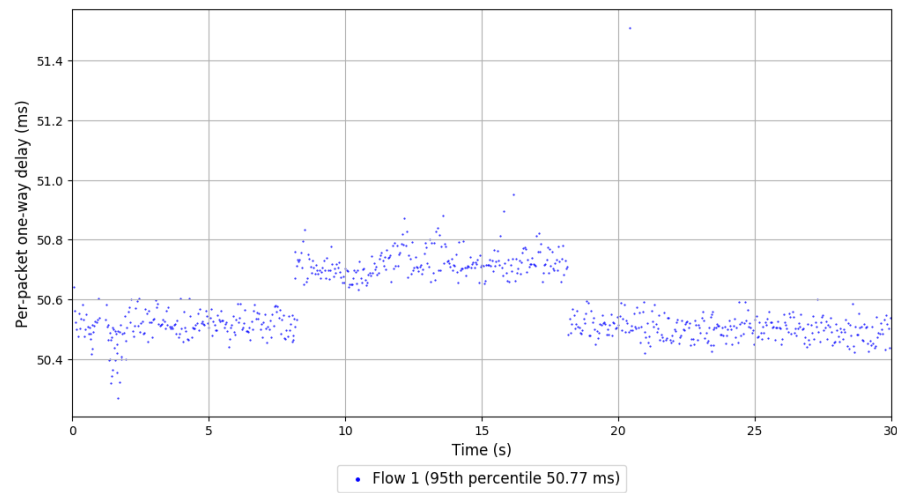
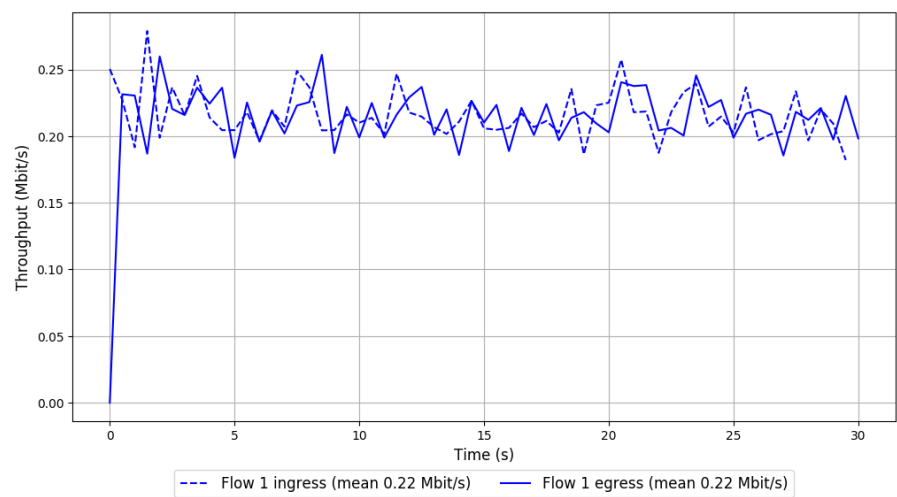


Run 1: Statistics of SCReAM

Start at: 2018-06-01 05:10:41
End at: 2018-06-01 05:11:11
Local clock offset: -0.454 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2018-06-01 09:41:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.772 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.772 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

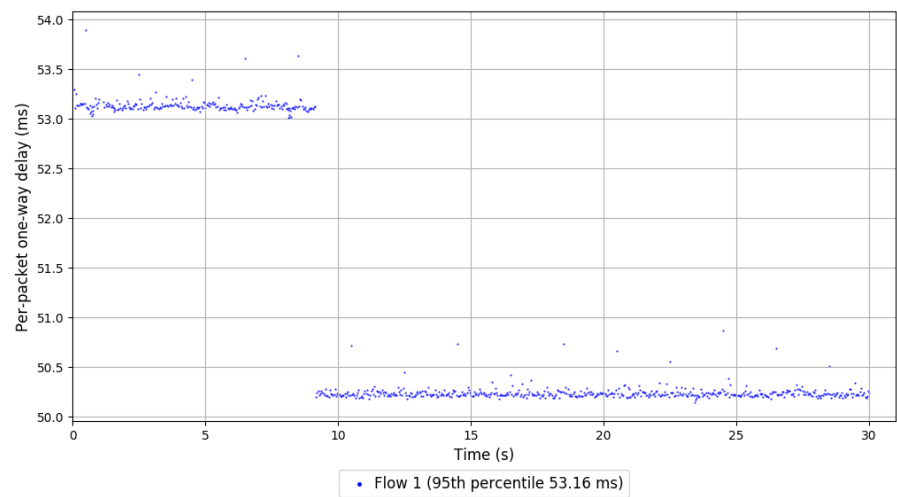
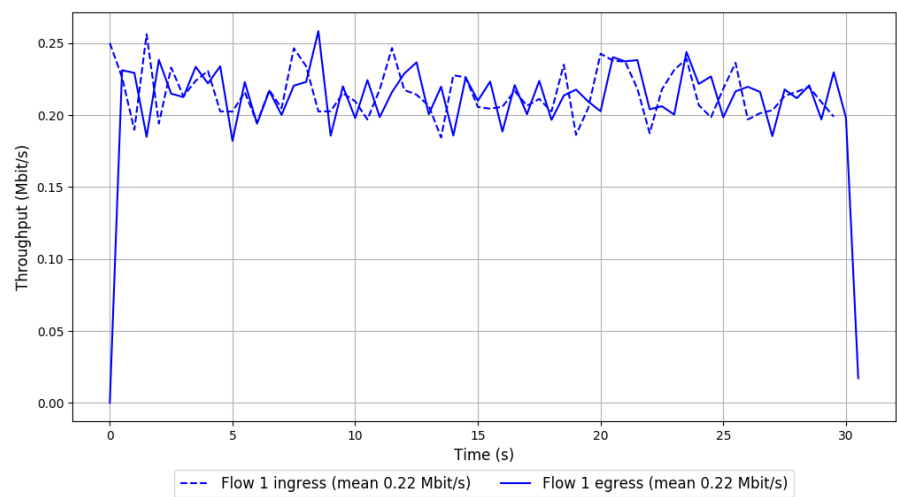


Run 2: Statistics of SCReAM

Start at: 2018-06-01 05:31:00
End at: 2018-06-01 05:31:31
Local clock offset: 0.154 ms
Remote clock offset: -0.217 ms

Below is generated by plot.py at 2018-06-01 09:41:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.162 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.162 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

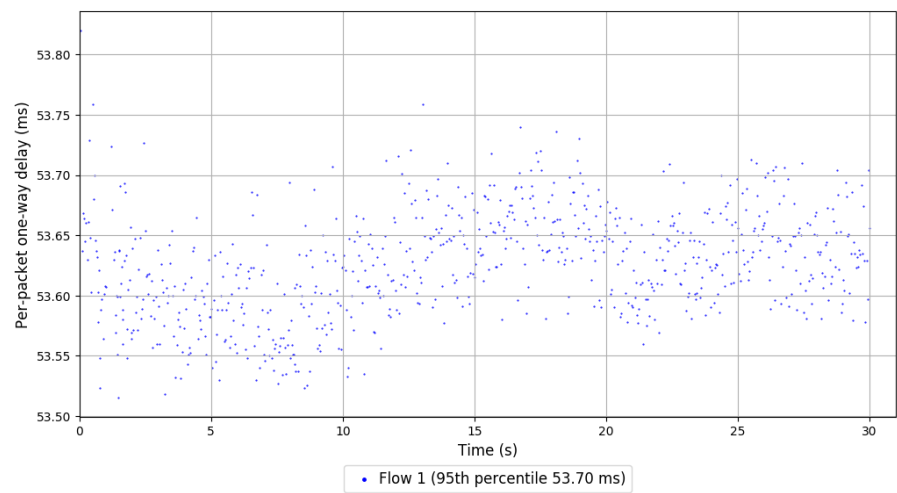
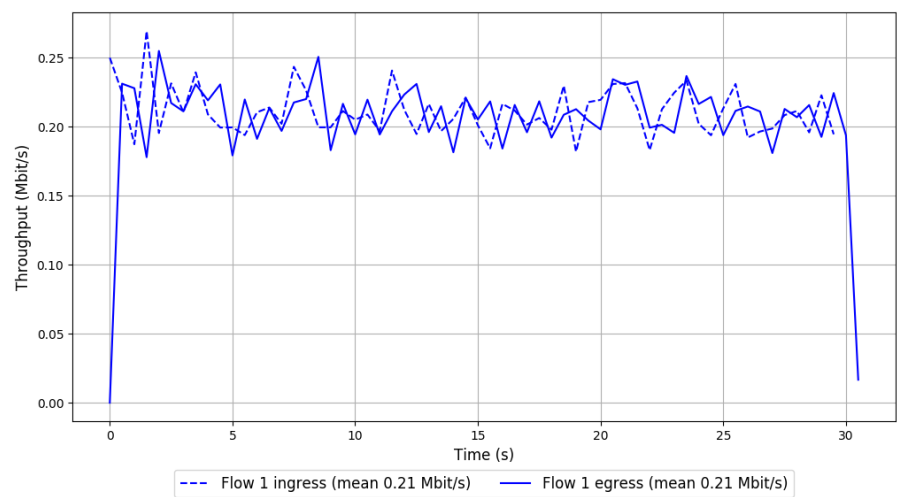


Run 3: Statistics of SCReAM

Start at: 2018-06-01 05:51:17
End at: 2018-06-01 05:51:47
Local clock offset: -0.085 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-06-01 09:41:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.698 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.698 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

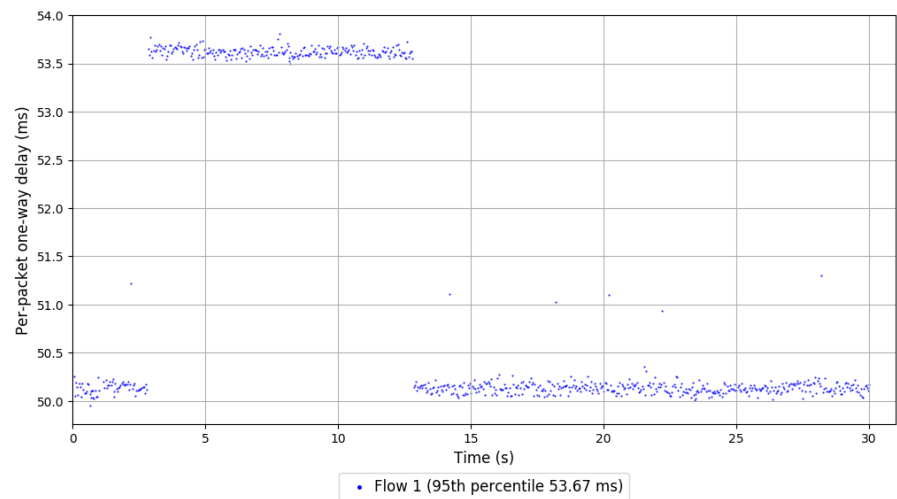
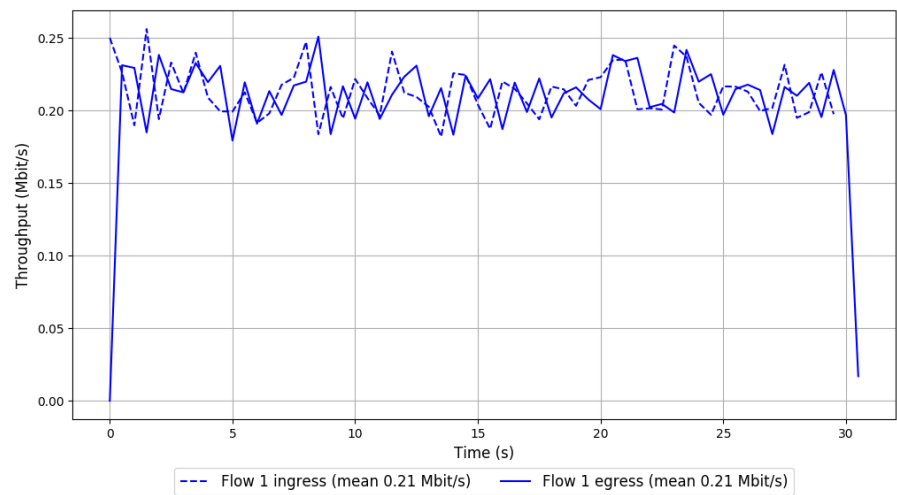


Run 4: Statistics of SCReAM

Start at: 2018-06-01 06:11:57
End at: 2018-06-01 06:12:27
Local clock offset: -0.242 ms
Remote clock offset: -0.425 ms

Below is generated by plot.py at 2018-06-01 09:41:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.672 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.672 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-06-01 06:32:10

End at: 2018-06-01 06:32:40

Local clock offset: -0.029 ms

Remote clock offset: 0.261 ms

Below is generated by plot.py at 2018-06-01 09:41:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.657 ms

Loss rate: 0.00%

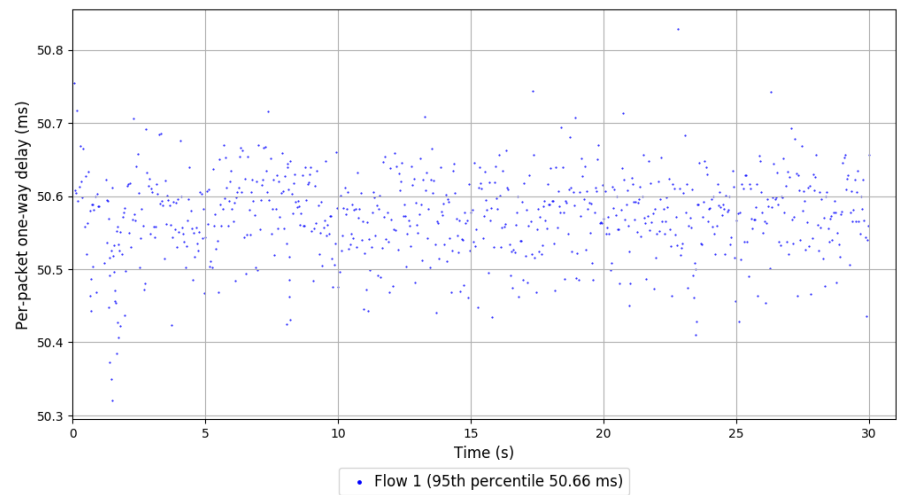
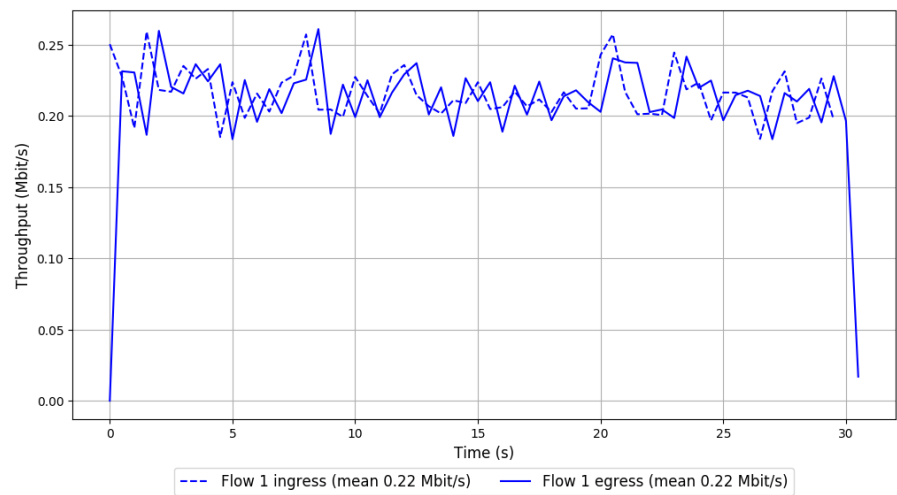
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.657 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

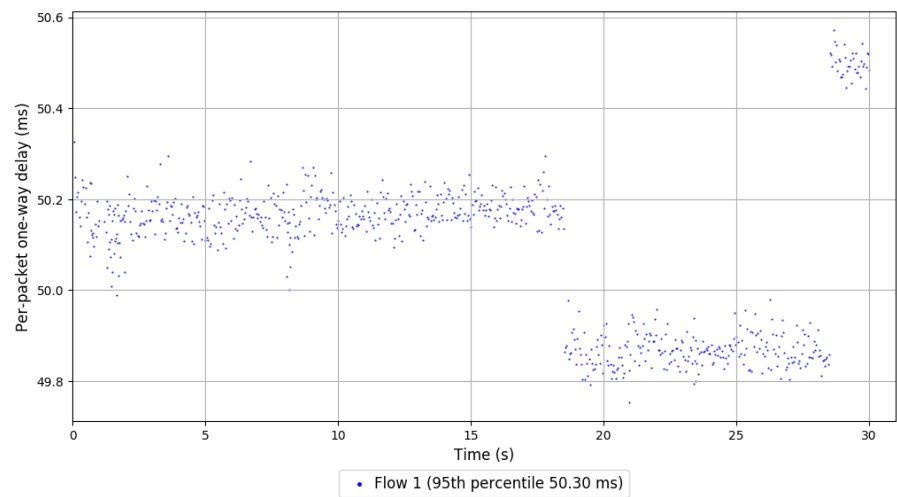
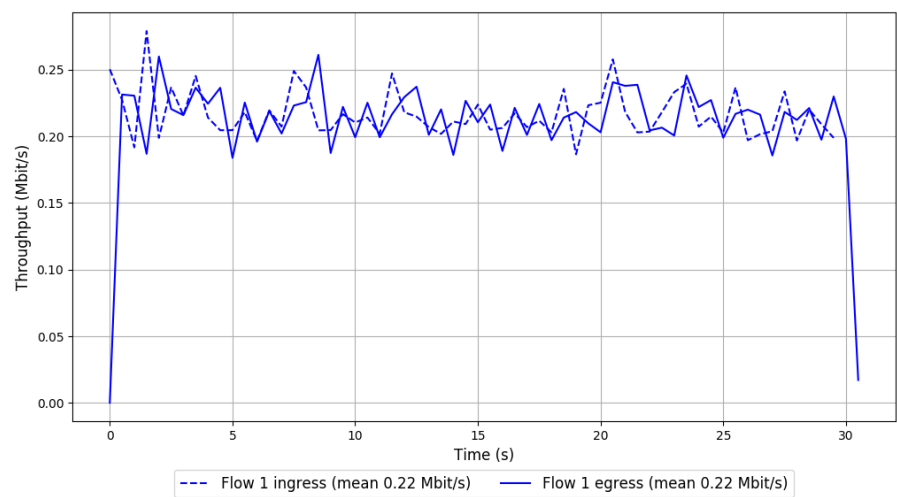


Run 6: Statistics of SCReAM

Start at: 2018-06-01 06:52:51
End at: 2018-06-01 06:53:21
Local clock offset: -0.16 ms
Remote clock offset: -0.143 ms

Below is generated by plot.py at 2018-06-01 09:41:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.295 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.295 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-06-01 07:12:43

End at: 2018-06-01 07:13:13

Local clock offset: -0.0 ms

Remote clock offset: 0.126 ms

Below is generated by plot.py at 2018-06-01 09:41:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.832 ms

Loss rate: 0.00%

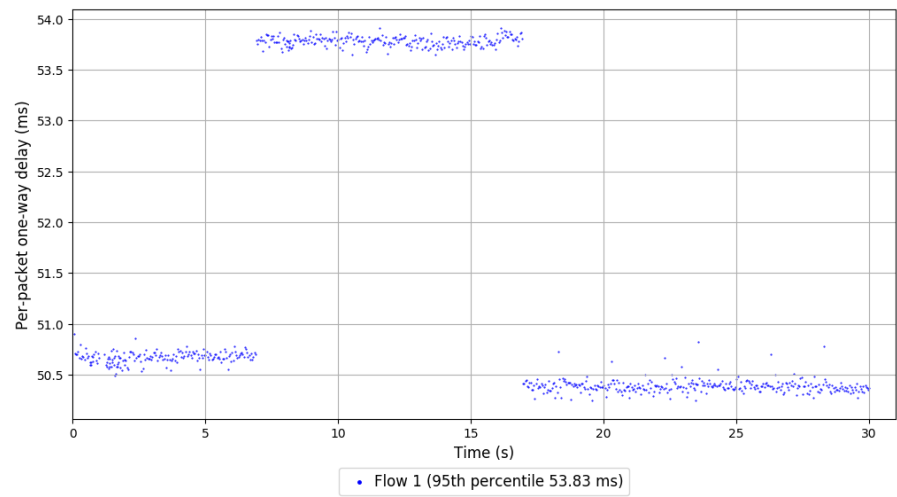
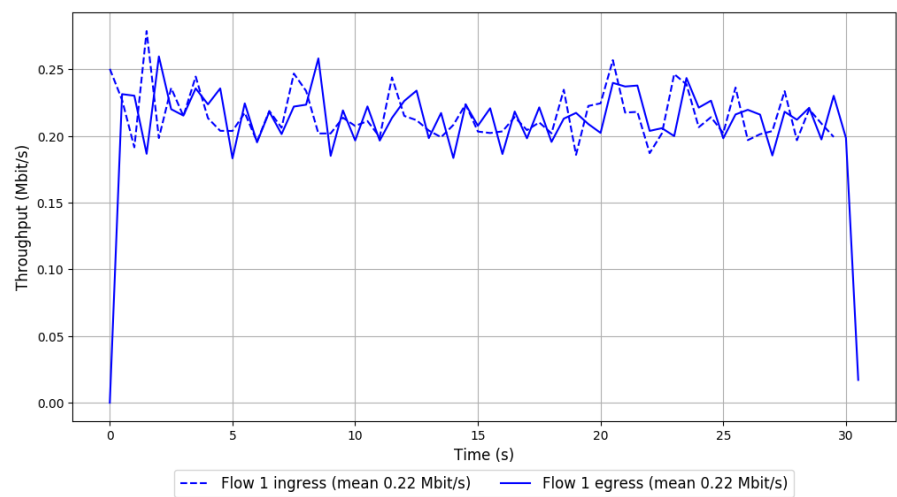
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.832 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

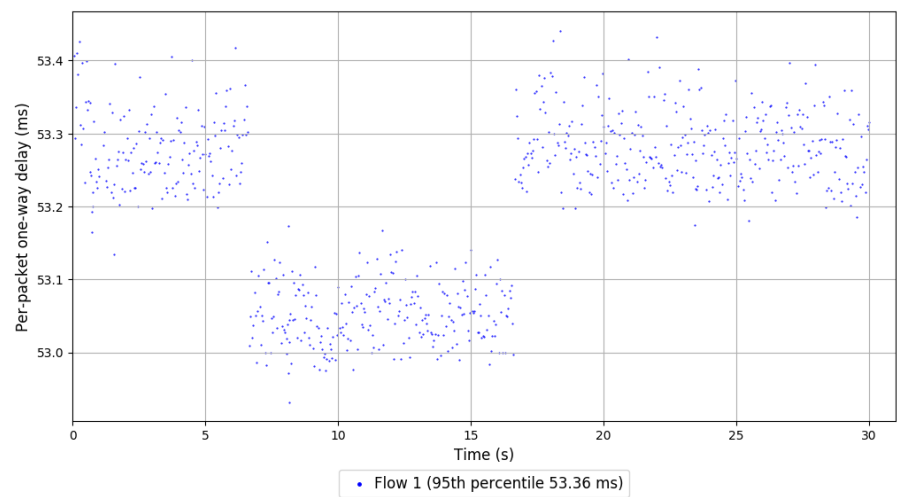
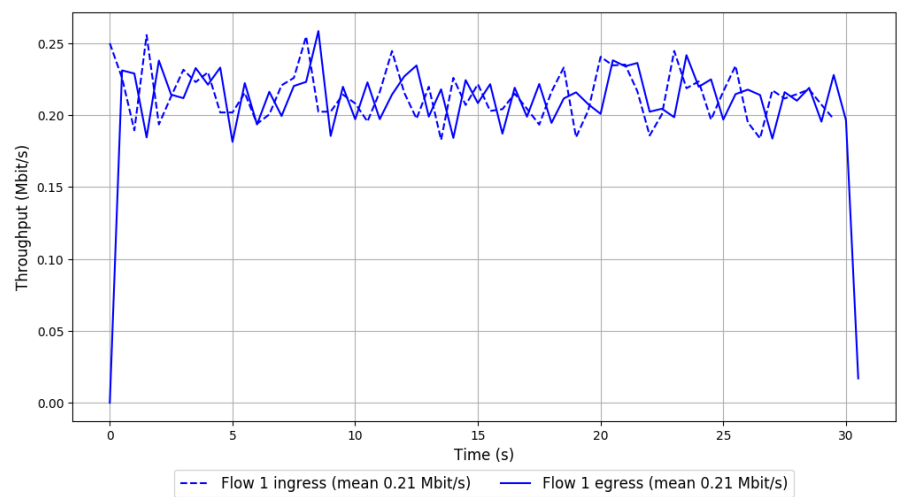


Run 8: Statistics of SCReAM

Start at: 2018-06-01 07:32:53
End at: 2018-06-01 07:33:23
Local clock offset: -0.32 ms
Remote clock offset: -0.268 ms

Below is generated by plot.py at 2018-06-01 09:41:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.359 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.359 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

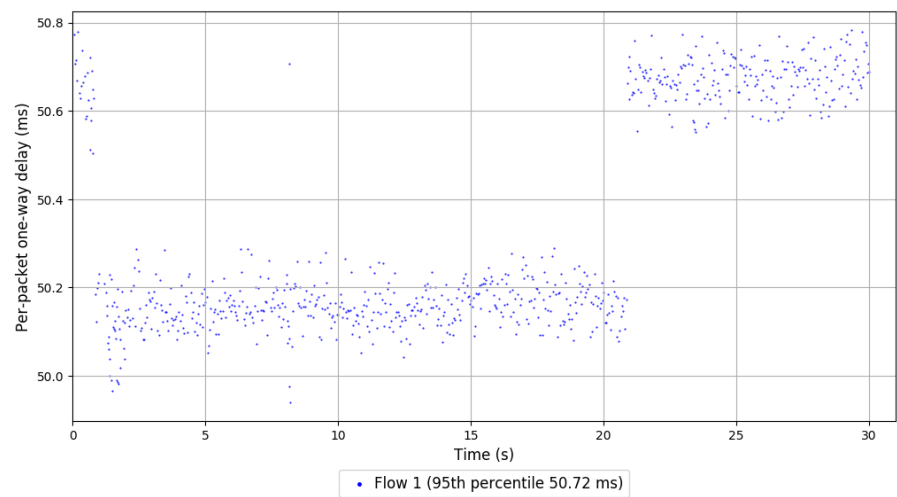
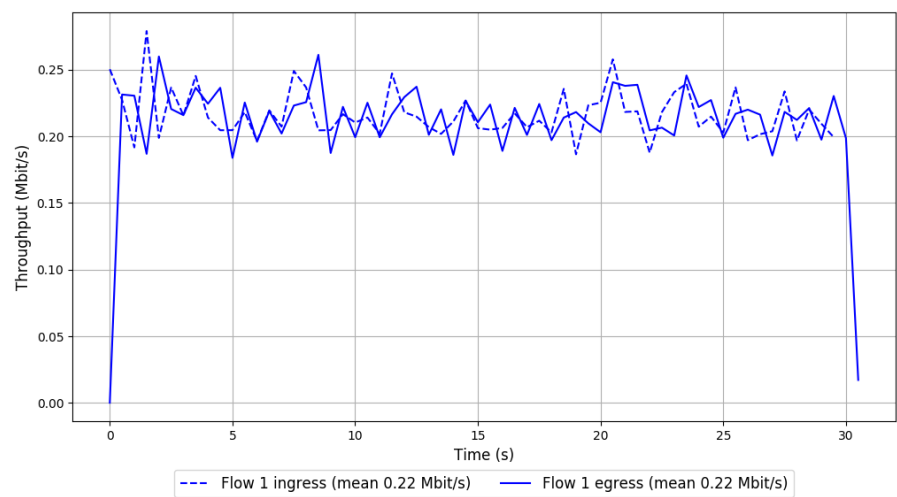


Run 9: Statistics of SCReAM

Start at: 2018-06-01 07:53:29
End at: 2018-06-01 07:53:59
Local clock offset: -0.239 ms
Remote clock offset: -0.263 ms

Below is generated by plot.py at 2018-06-01 09:41:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.722 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.722 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-06-01 08:14:08

End at: 2018-06-01 08:14:38

Local clock offset: -0.429 ms

Remote clock offset: 0.211 ms

Below is generated by plot.py at 2018-06-01 09:41:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 54.131 ms

Loss rate: 0.00%

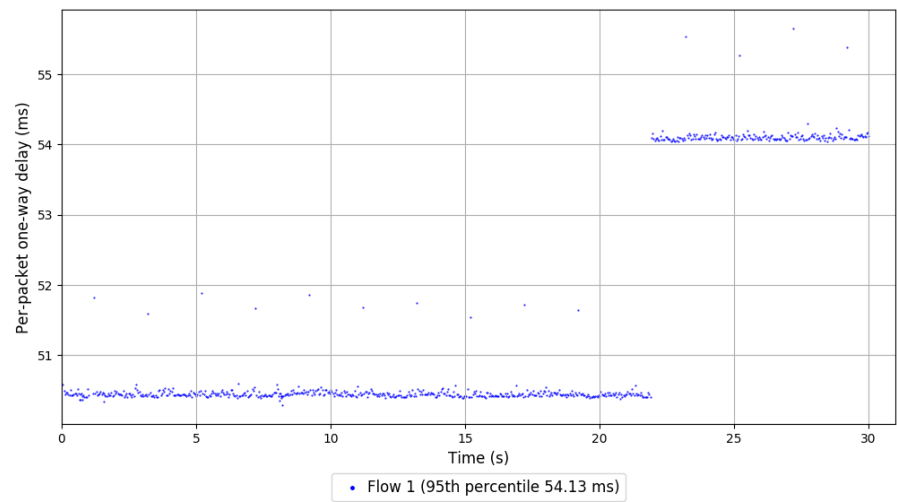
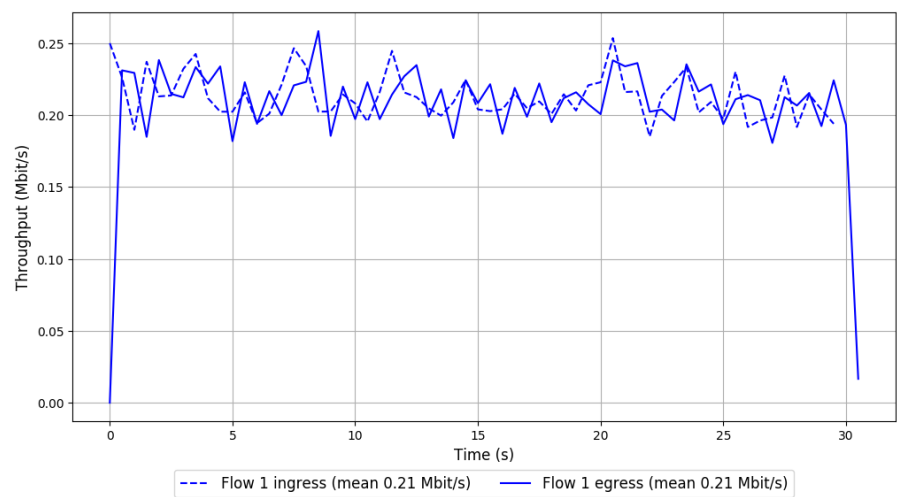
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 54.131 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

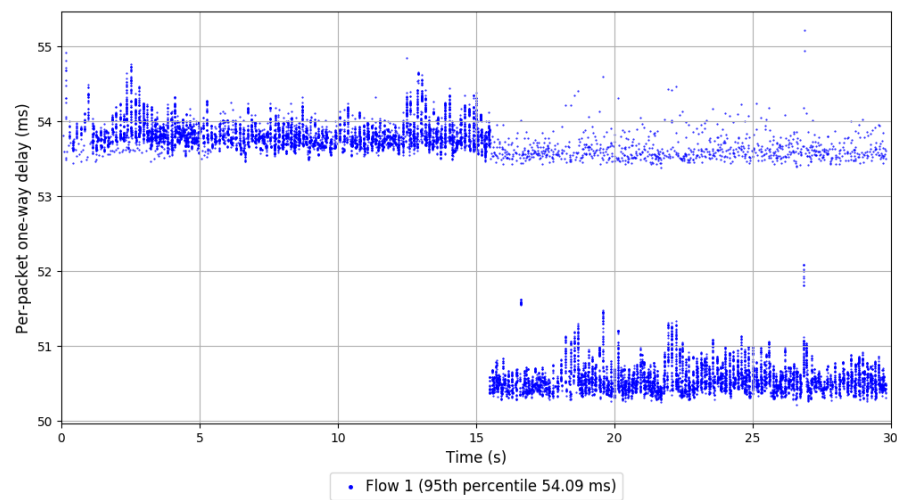
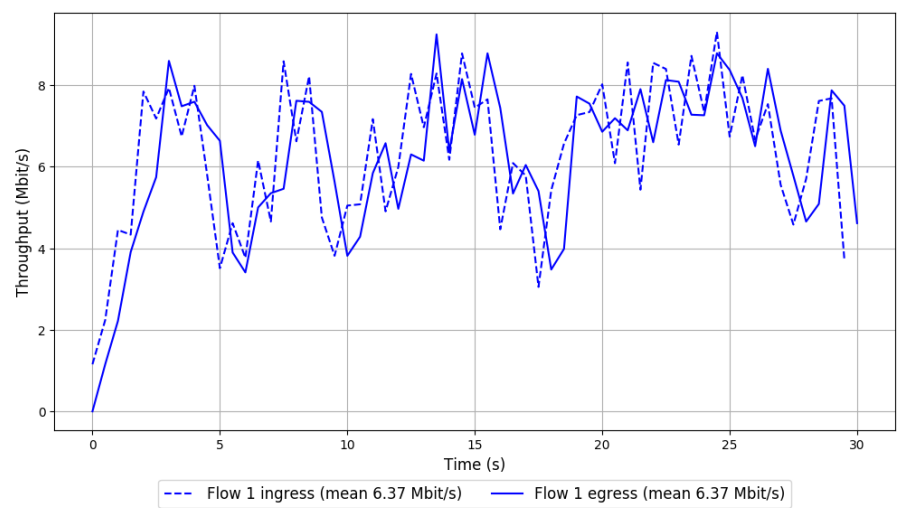


Run 1: Statistics of Sprout

Start at: 2018-06-01 05:12:54
End at: 2018-06-01 05:13:24
Local clock offset: -0.169 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-06-01 09:41:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.37 Mbit/s
95th percentile per-packet one-way delay: 54.086 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.37 Mbit/s
95th percentile per-packet one-way delay: 54.086 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-06-01 05:33:14

End at: 2018-06-01 05:33:44

Local clock offset: -0.189 ms

Remote clock offset: 0.313 ms

Below is generated by plot.py at 2018-06-01 09:41:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.99 Mbit/s

95th percentile per-packet one-way delay: 53.970 ms

Loss rate: 0.00%

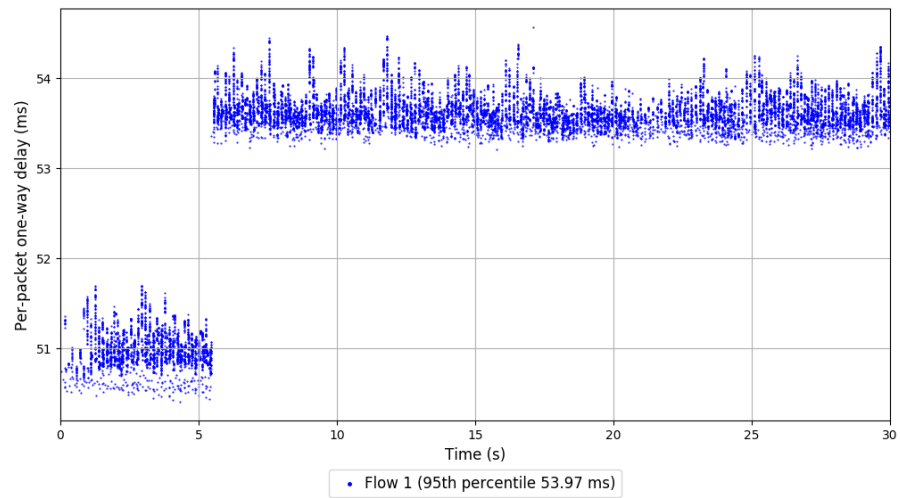
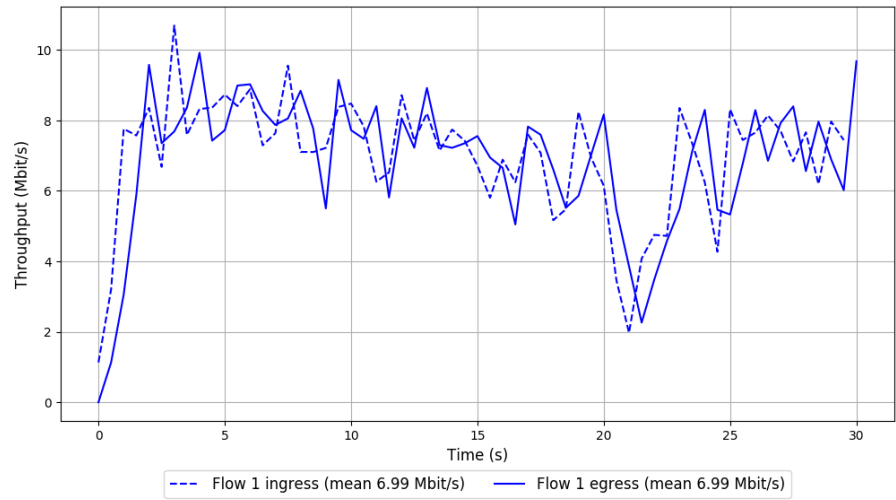
-- Flow 1:

Average throughput: 6.99 Mbit/s

95th percentile per-packet one-way delay: 53.970 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

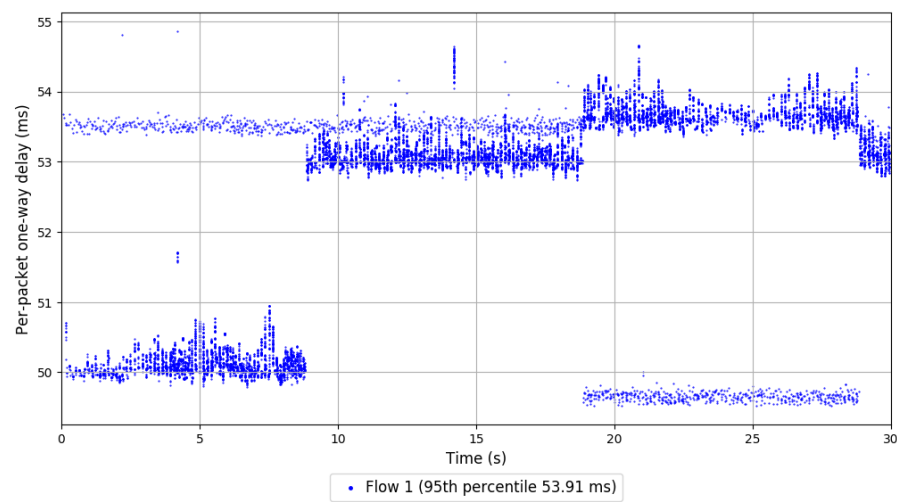
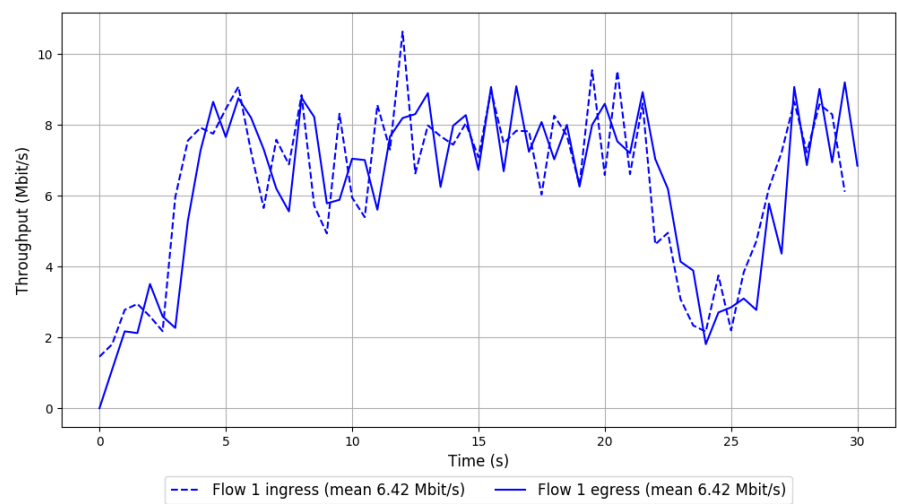


Run 3: Statistics of Sprout

Start at: 2018-06-01 05:53:31
End at: 2018-06-01 05:54:01
Local clock offset: 0.08 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-06-01 09:41:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.42 Mbit/s
95th percentile per-packet one-way delay: 53.907 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.42 Mbit/s
95th percentile per-packet one-way delay: 53.907 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

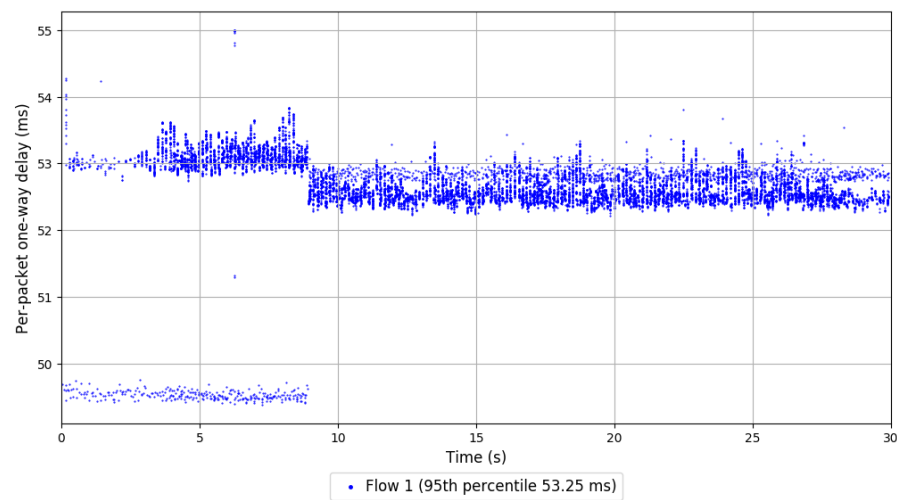
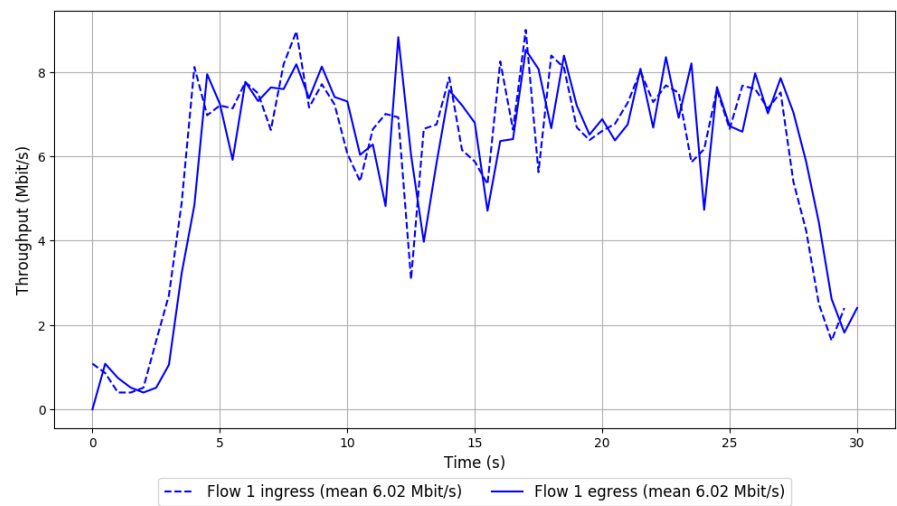


Run 4: Statistics of Sprout

Start at: 2018-06-01 06:14:11
End at: 2018-06-01 06:14:41
Local clock offset: 0.165 ms
Remote clock offset: -0.508 ms

Below is generated by plot.py at 2018-06-01 09:41:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.02 Mbit/s
95th percentile per-packet one-way delay: 53.254 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.02 Mbit/s
95th percentile per-packet one-way delay: 53.254 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-06-01 06:34:22

End at: 2018-06-01 06:34:52

Local clock offset: -0.198 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-06-01 09:41:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.45 Mbit/s

95th percentile per-packet one-way delay: 54.073 ms

Loss rate: 0.00%

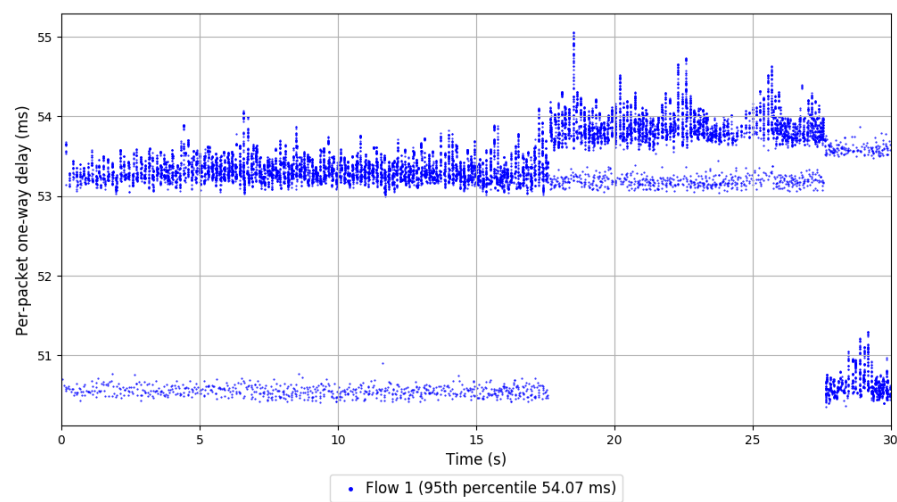
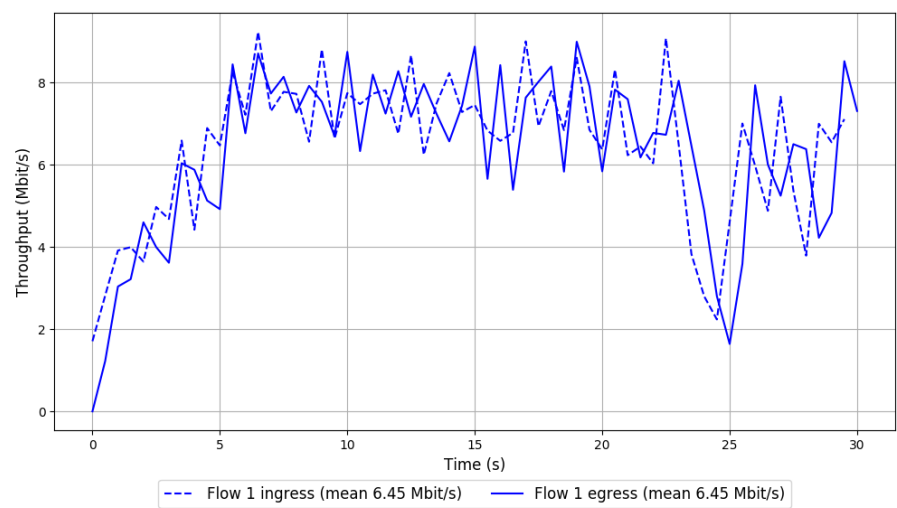
-- Flow 1:

Average throughput: 6.45 Mbit/s

95th percentile per-packet one-way delay: 54.073 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

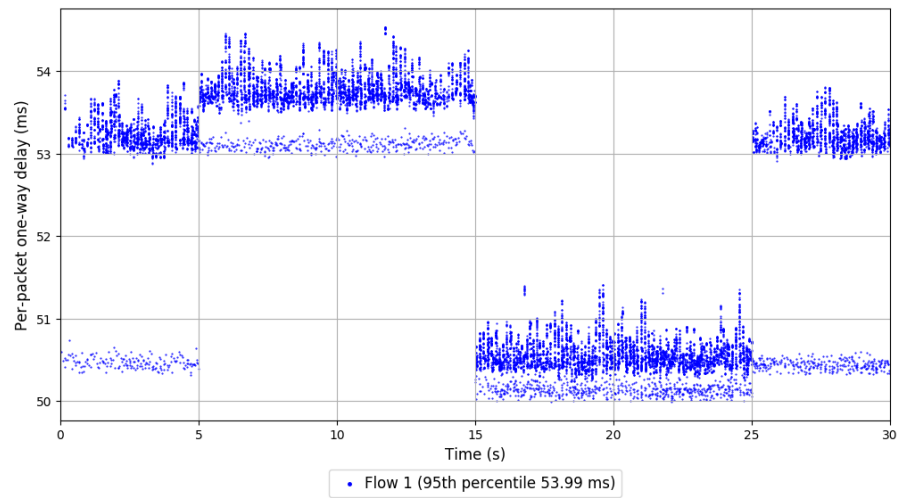
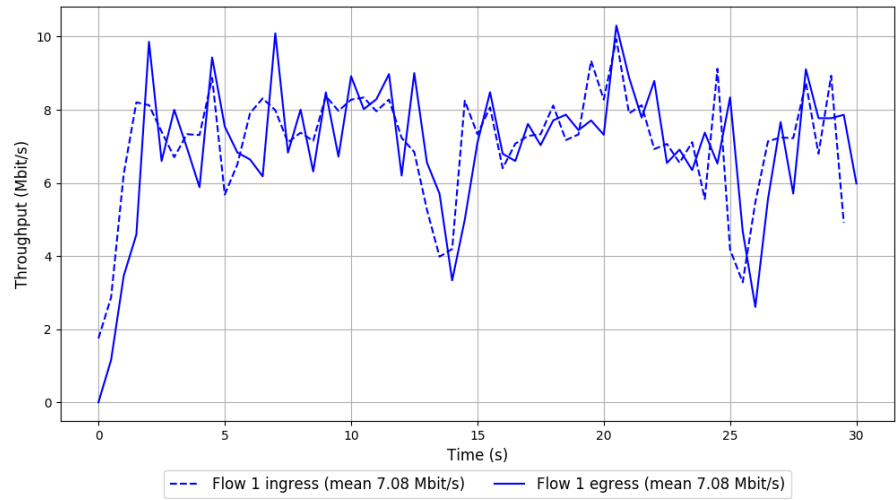


Run 6: Statistics of Sprout

Start at: 2018-06-01 06:55:05
End at: 2018-06-01 06:55:35
Local clock offset: -0.02 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-06-01 09:41:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.08 Mbit/s
95th percentile per-packet one-way delay: 53.995 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.08 Mbit/s
95th percentile per-packet one-way delay: 53.995 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

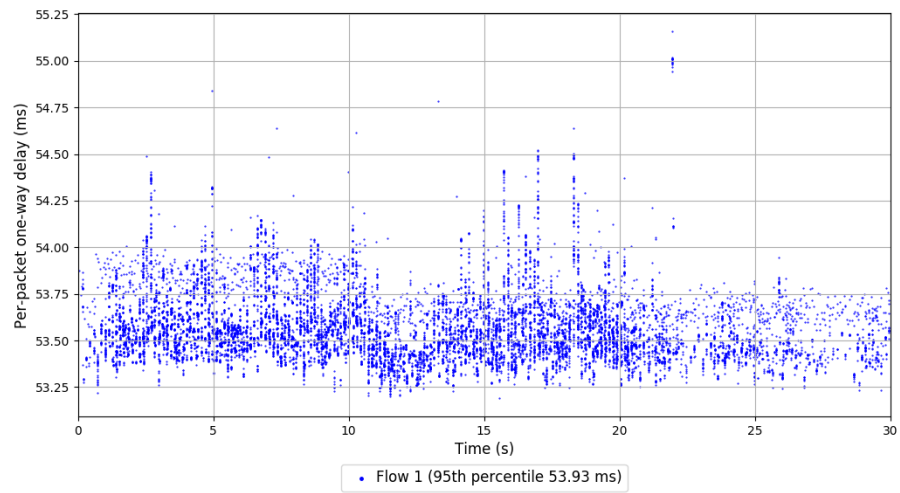
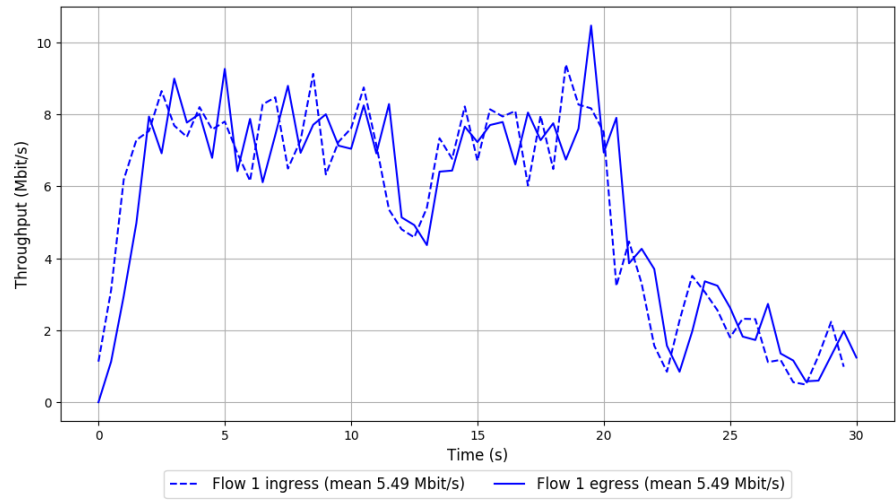


Run 7: Statistics of Sprout

Start at: 2018-06-01 07:14:59
End at: 2018-06-01 07:15:29
Local clock offset: -0.177 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-06-01 09:41:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.49 Mbit/s
95th percentile per-packet one-way delay: 53.927 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.49 Mbit/s
95th percentile per-packet one-way delay: 53.927 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

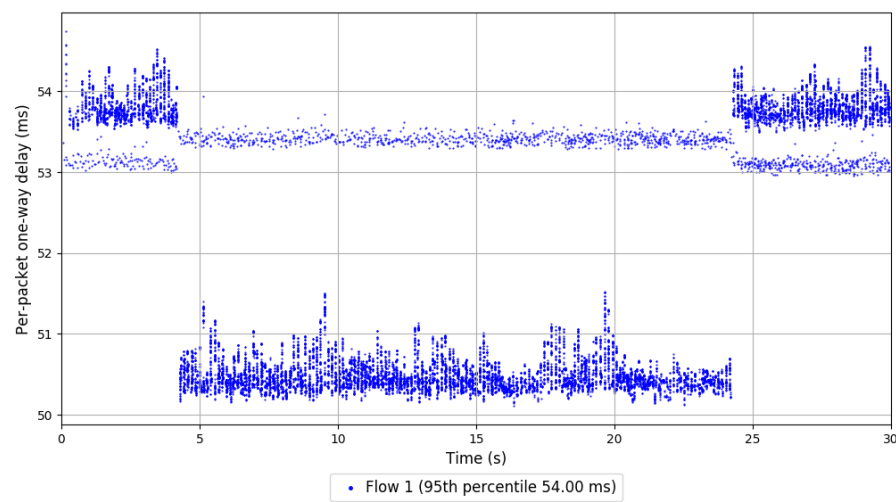
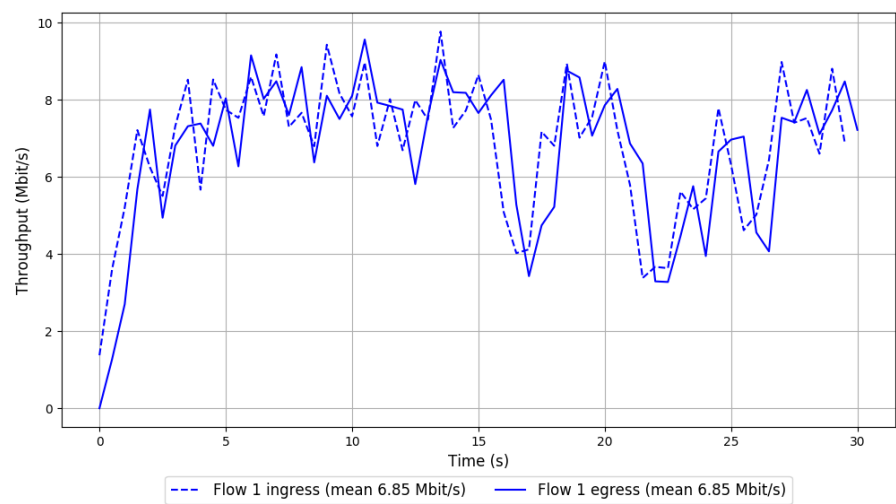


Run 8: Statistics of Sprout

Start at: 2018-06-01 07:35:05
End at: 2018-06-01 07:35:35
Local clock offset: -0.241 ms
Remote clock offset: -0.309 ms

Below is generated by plot.py at 2018-06-01 09:41:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.85 Mbit/s
95th percentile per-packet one-way delay: 54.004 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.85 Mbit/s
95th percentile per-packet one-way delay: 54.004 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

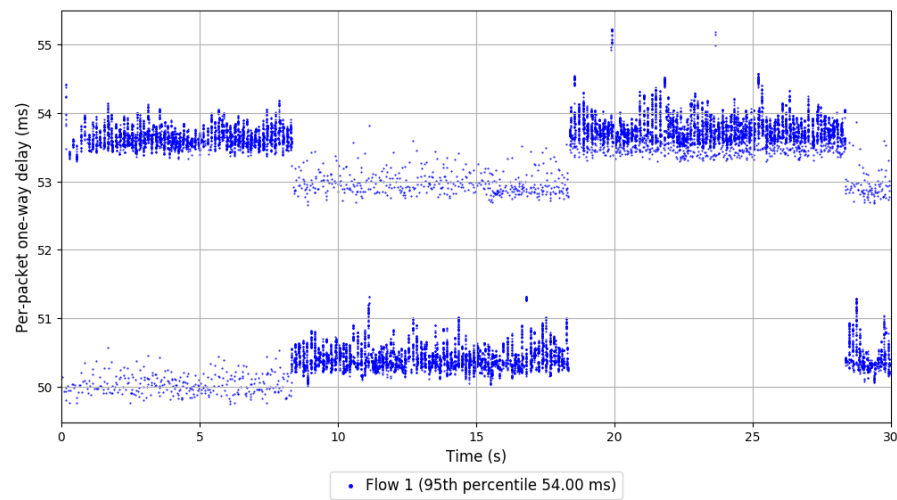
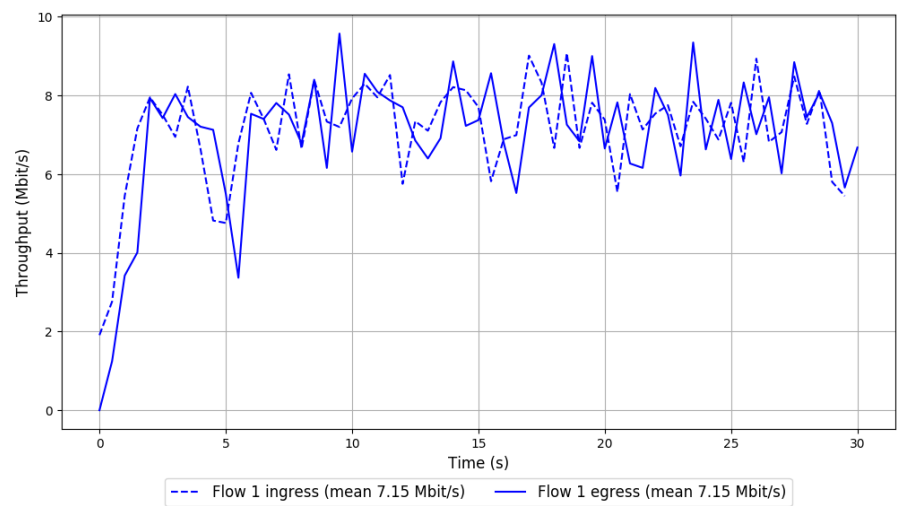


Run 9: Statistics of Sprout

Start at: 2018-06-01 07:55:41
End at: 2018-06-01 07:56:11
Local clock offset: -0.217 ms
Remote clock offset: -0.307 ms

Below is generated by plot.py at 2018-06-01 09:41:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.15 Mbit/s
95th percentile per-packet one-way delay: 53.999 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.15 Mbit/s
95th percentile per-packet one-way delay: 53.999 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

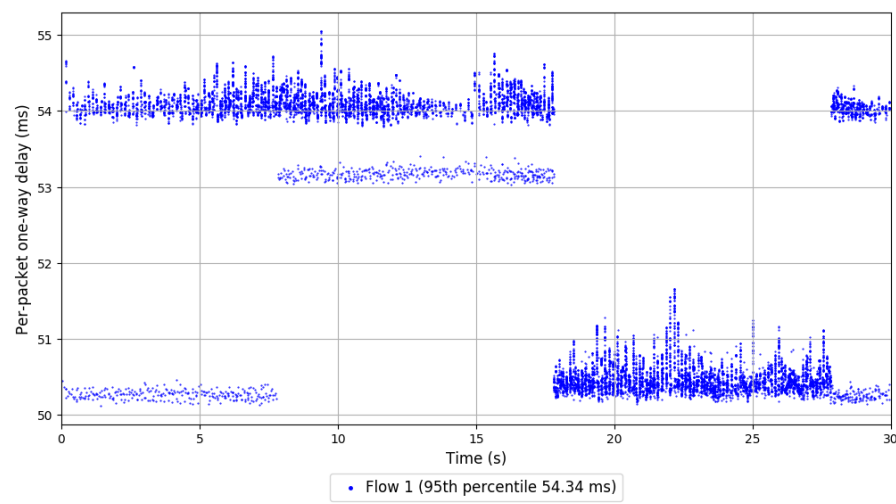
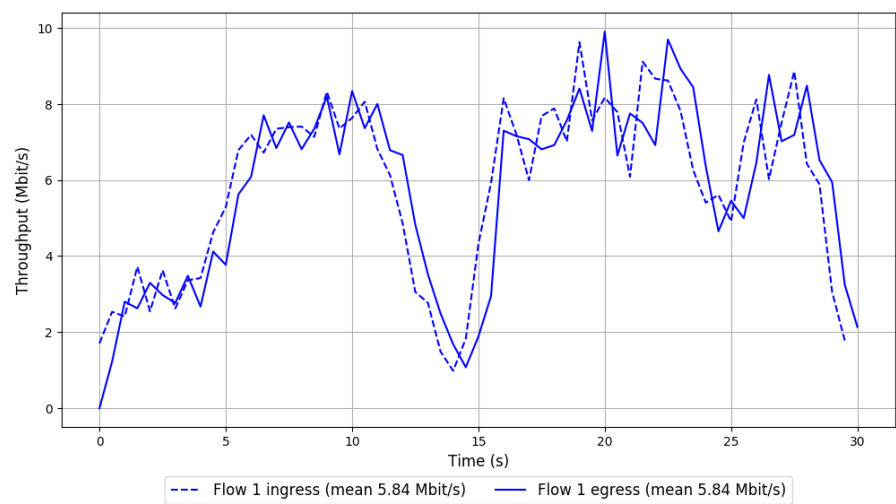


Run 10: Statistics of Sprout

Start at: 2018-06-01 08:16:22
End at: 2018-06-01 08:16:52
Local clock offset: -0.282 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-06-01 09:41:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.84 Mbit/s
95th percentile per-packet one-way delay: 54.339 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.84 Mbit/s
95th percentile per-packet one-way delay: 54.339 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

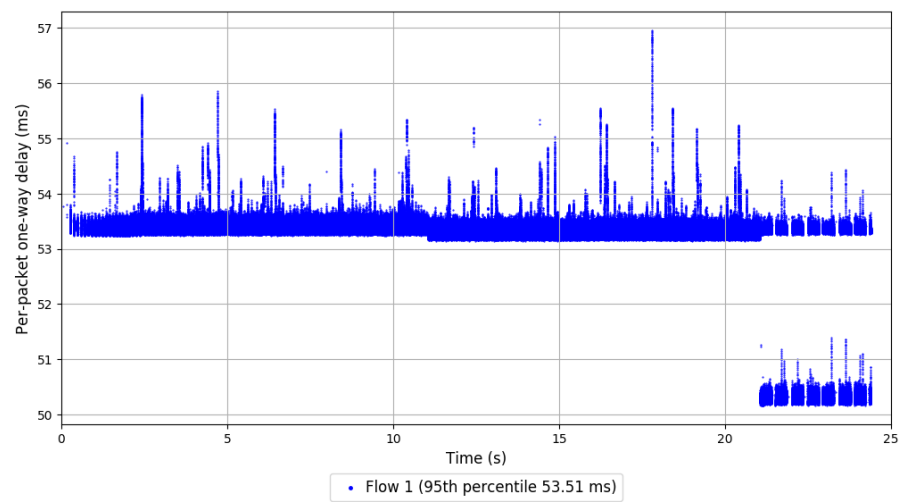
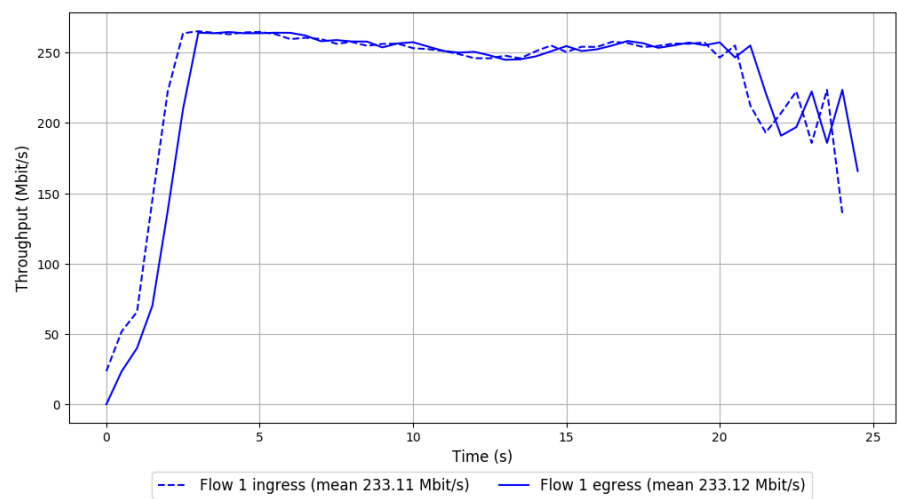


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-06-01 05:01:28
End at: 2018-06-01 05:01:58
Local clock offset: 0.112 ms
Remote clock offset: -0.017 ms

# Below is generated by plot.py at 2018-06-01 09:41:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 233.12 Mbit/s
95th percentile per-packet one-way delay: 53.511 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 233.12 Mbit/s
95th percentile per-packet one-way delay: 53.511 ms
Loss rate: 0.00%
```

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

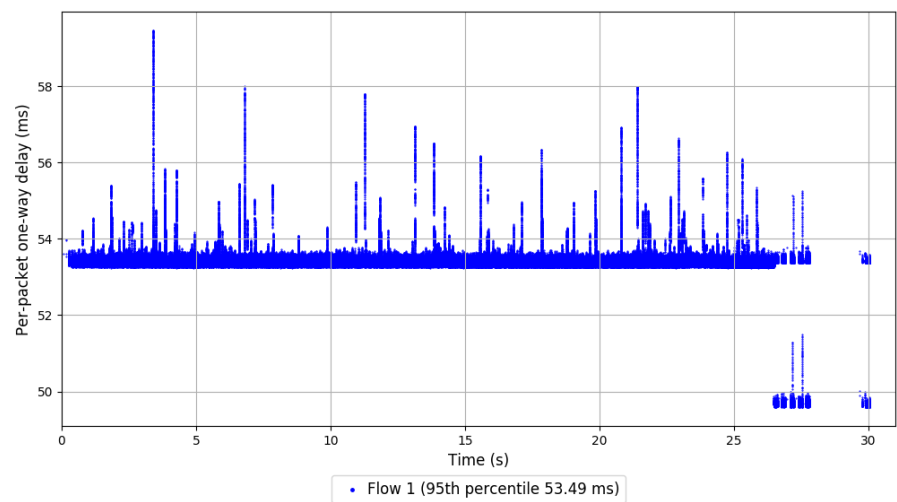
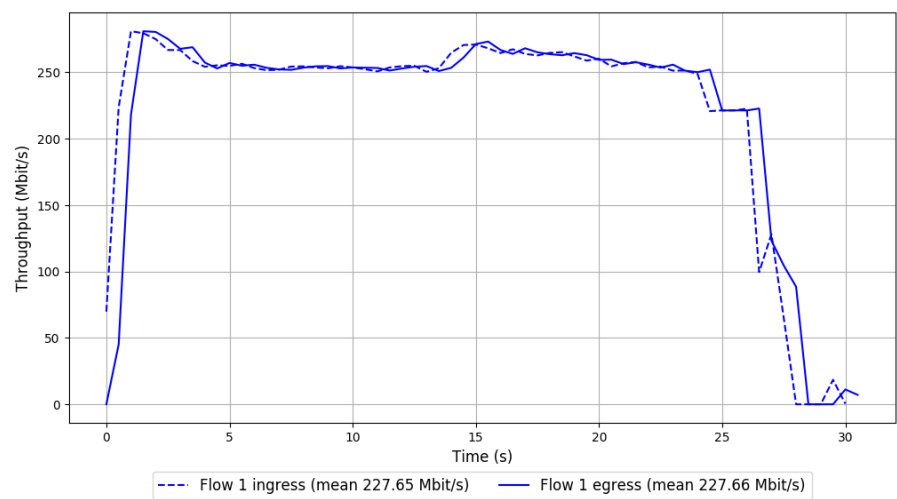


Run 2: Statistics of TaoVA-100x

Start at: 2018-06-01 05:21:43
End at: 2018-06-01 05:22:13
Local clock offset: -0.059 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-06-01 09:41:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 227.66 Mbit/s
95th percentile per-packet one-way delay: 53.493 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 227.66 Mbit/s
95th percentile per-packet one-way delay: 53.493 ms
Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

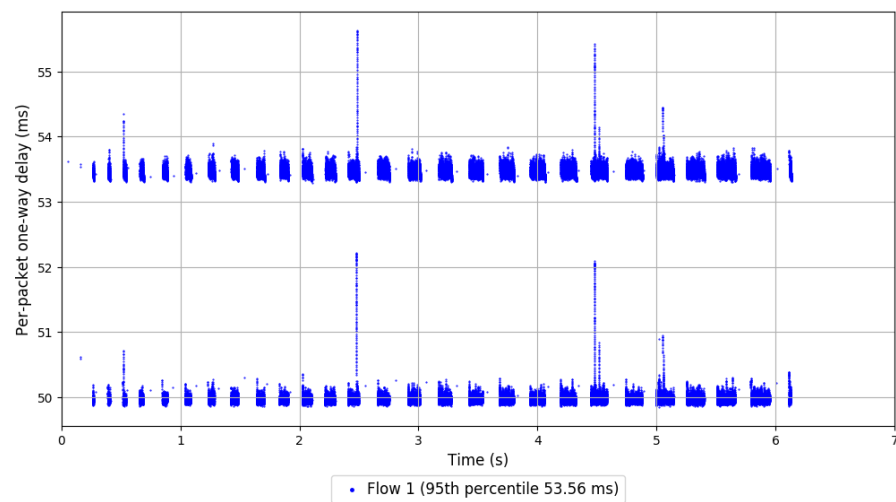
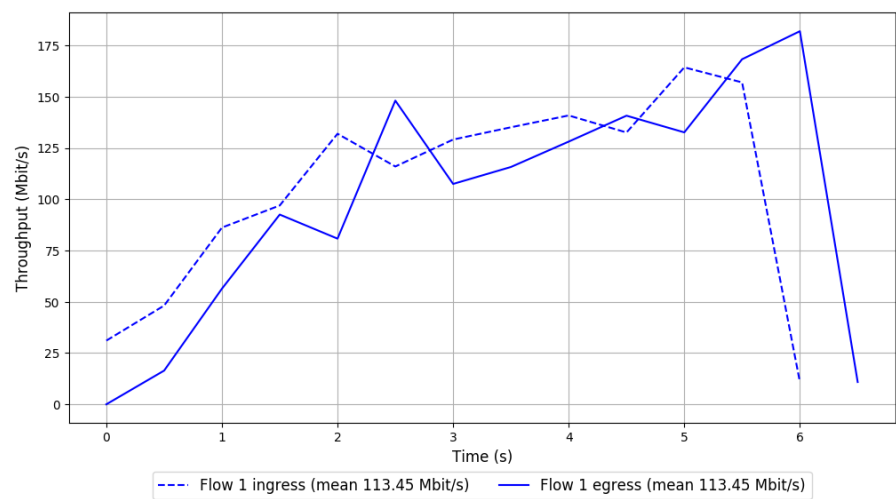
Start at: 2018-06-01 05:42:13

End at: 2018-06-01 05:42:43

Local clock offset: -0.089 ms

Remote clock offset: -0.057 ms

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



Run 4: Statistics of TaoVA-100x

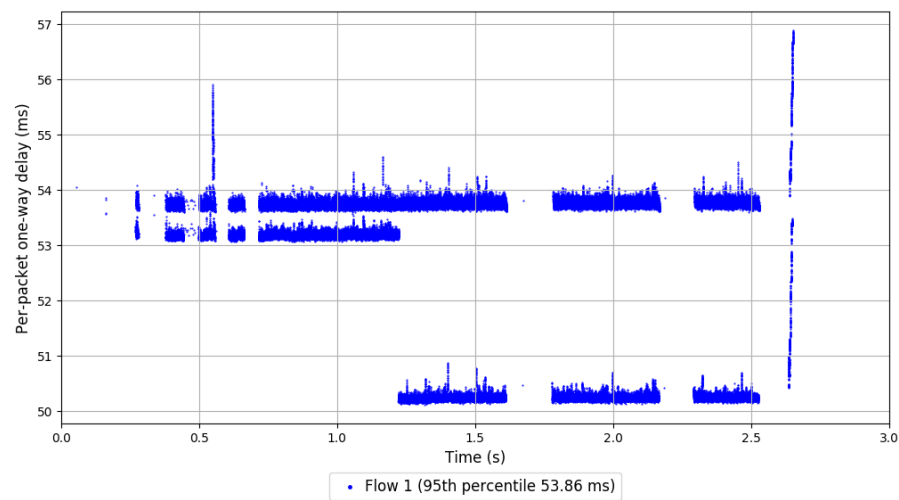
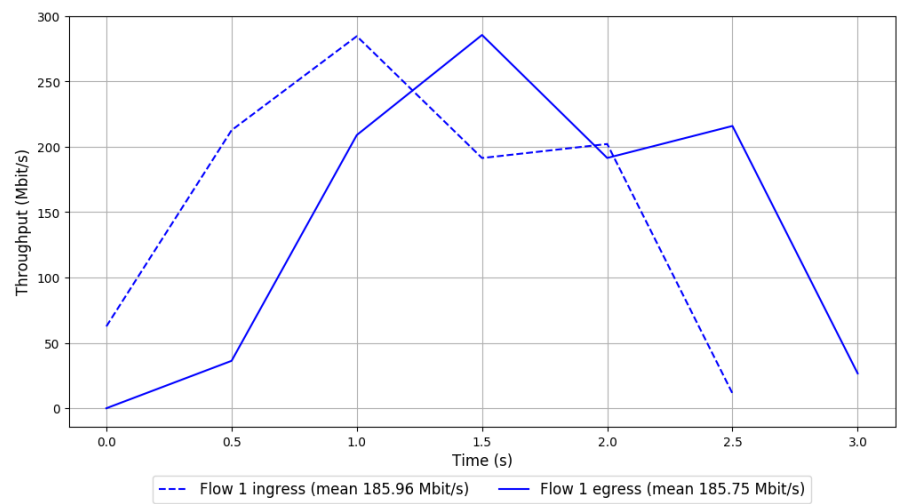
Start at: 2018-06-01 06:02:28

End at: 2018-06-01 06:02:58

Local clock offset: -0.217 ms

Remote clock offset: 0.002 ms

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-06-01 06:23:09

End at: 2018-06-01 06:23:39

Local clock offset: -0.142 ms

Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-06-01 09:41:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.38 Mbit/s

95th percentile per-packet one-way delay: 53.823 ms

Loss rate: 0.00%

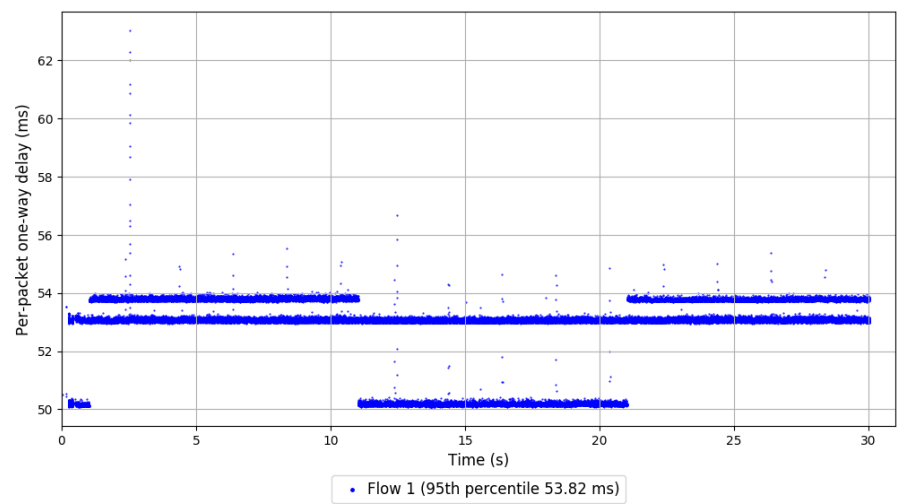
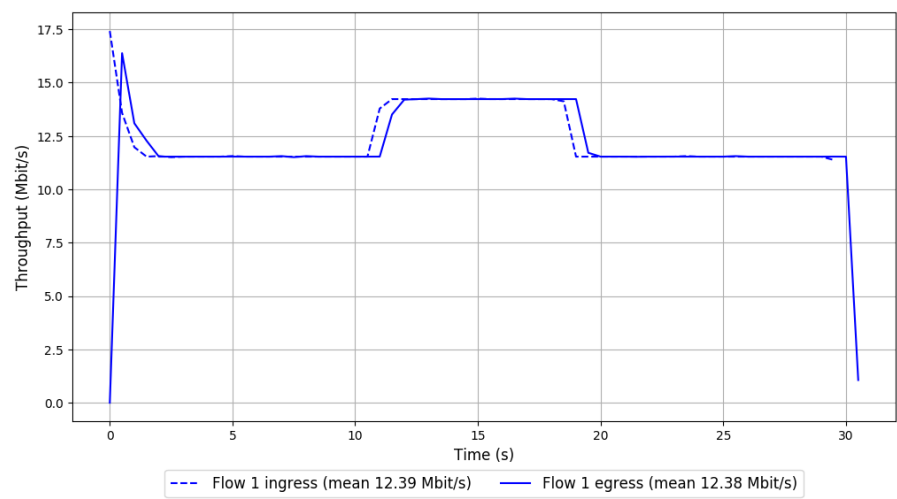
-- Flow 1:

Average throughput: 12.38 Mbit/s

95th percentile per-packet one-way delay: 53.823 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-06-01 06:43:22

End at: 2018-06-01 06:43:52

Local clock offset: -0.103 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-06-01 09:41:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 252.88 Mbit/s

95th percentile per-packet one-way delay: 53.543 ms

Loss rate: 0.01%

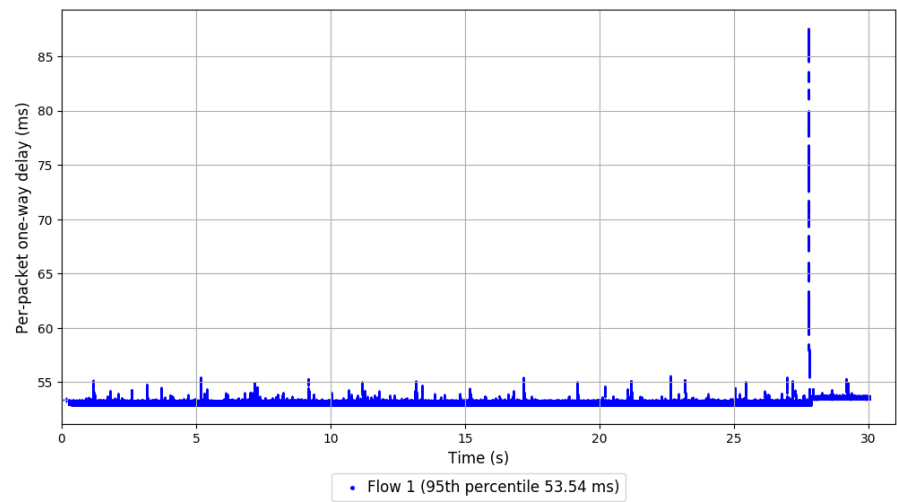
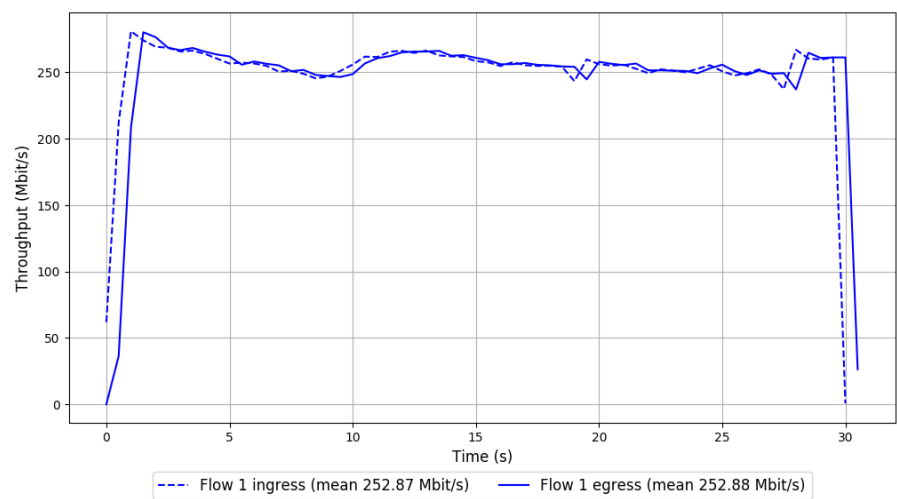
-- Flow 1:

Average throughput: 252.88 Mbit/s

95th percentile per-packet one-way delay: 53.543 ms

Loss rate: 0.01%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-06-01 07:03:42

End at: 2018-06-01 07:04:12

Local clock offset: -0.366 ms

Remote clock offset: 0.151 ms

Below is generated by plot.py at 2018-06-01 09:41:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.23 Mbit/s

95th percentile per-packet one-way delay: 53.977 ms

Loss rate: 0.01%

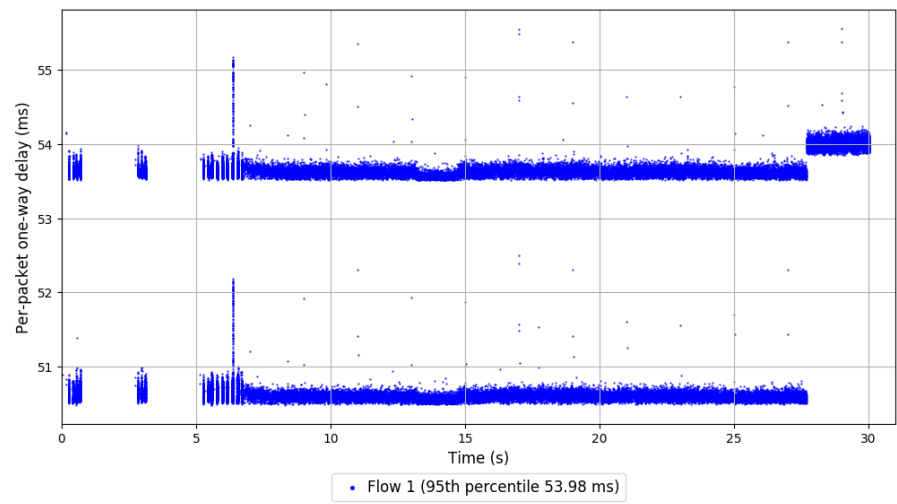
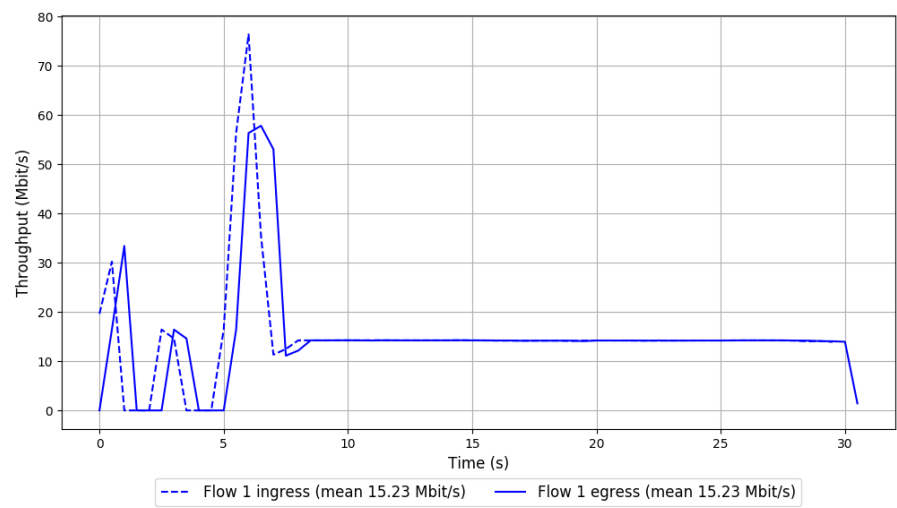
-- Flow 1:

Average throughput: 15.23 Mbit/s

95th percentile per-packet one-way delay: 53.977 ms

Loss rate: 0.01%

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



Run 8: Statistics of TaoVA-100x

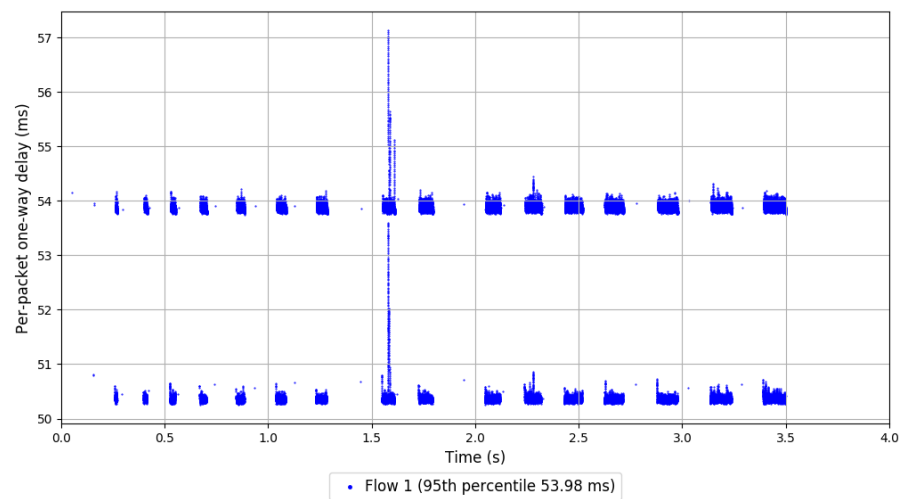
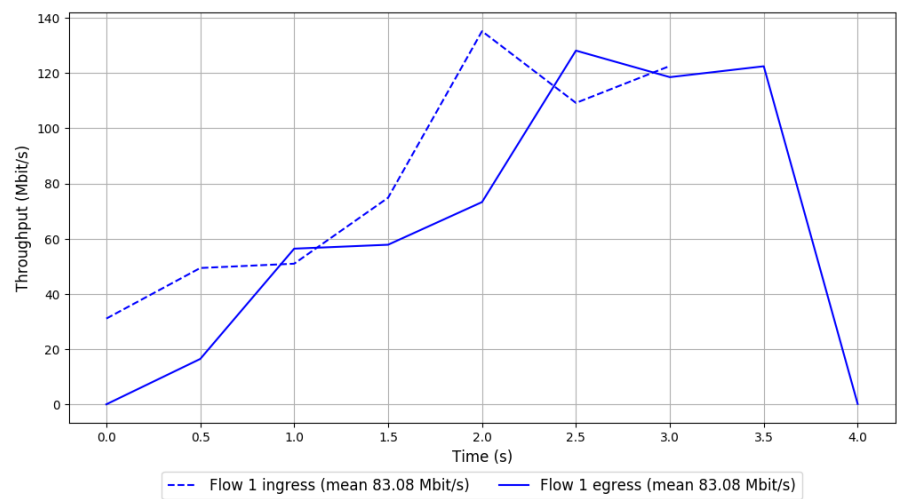
Start at: 2018-06-01 07:23:49

End at: 2018-06-01 07:24:19

Local clock offset: -0.004 ms

Remote clock offset: 0.244 ms

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-06-01 07:43:44

End at: 2018-06-01 07:44:14

Local clock offset: -0.096 ms

Remote clock offset: 0.106 ms

Below is generated by plot.py at 2018-06-01 09:42:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 237.33 Mbit/s

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

Loss rate: 0.01%

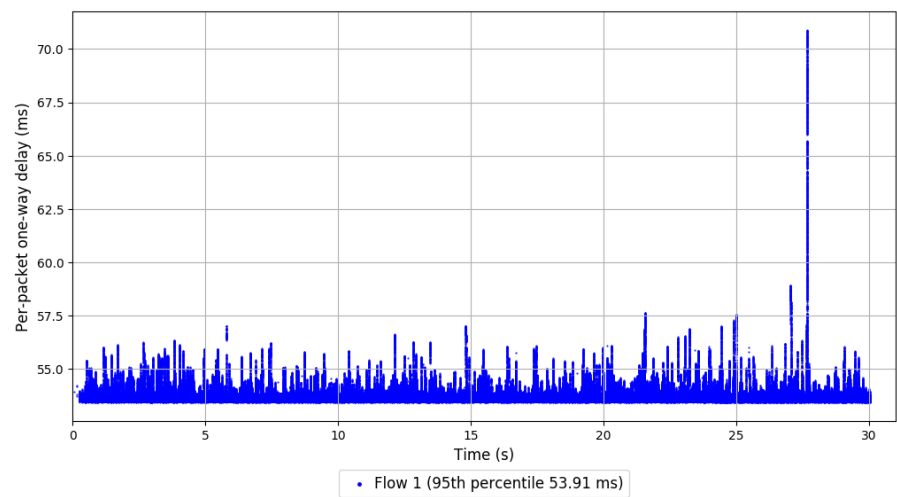
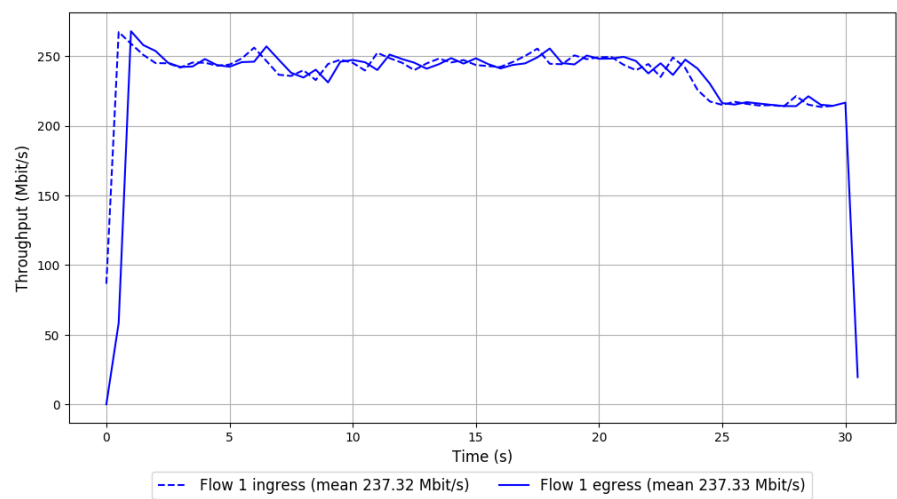
-- Flow 1:

Average throughput: 237.33 Mbit/s

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

Loss rate: 0.01%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-06-01 08:04:37

End at: 2018-06-01 08:05:07

Local clock offset: -0.214 ms

Remote clock offset: -0.42 ms

Below is generated by plot.py at 2018-06-01 09:45:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 230.86 Mbit/s

95th percentile per-packet one-way delay: 53.413 ms

Loss rate: 0.01%

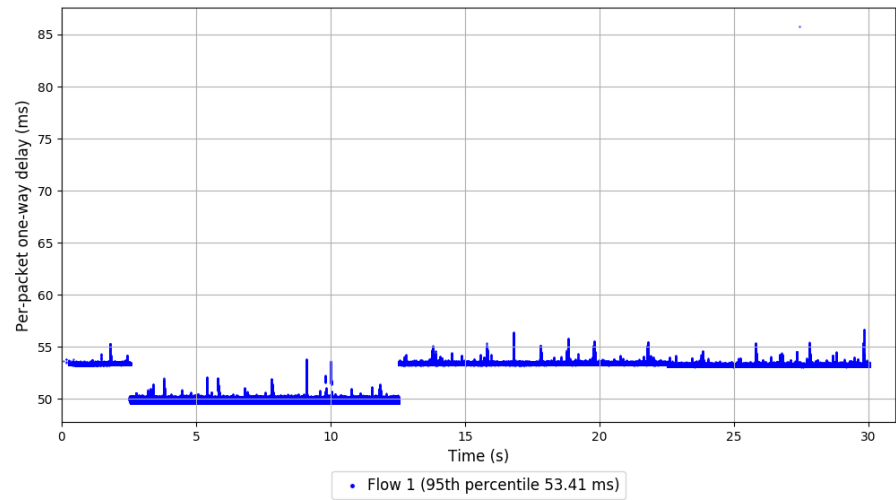
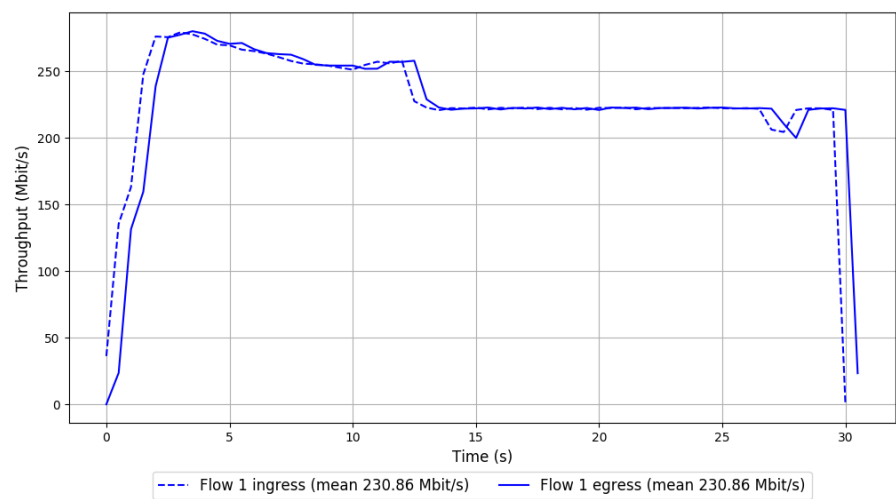
-- Flow 1:

Average throughput: 230.86 Mbit/s

95th percentile per-packet one-way delay: 53.413 ms

Loss rate: 0.01%

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

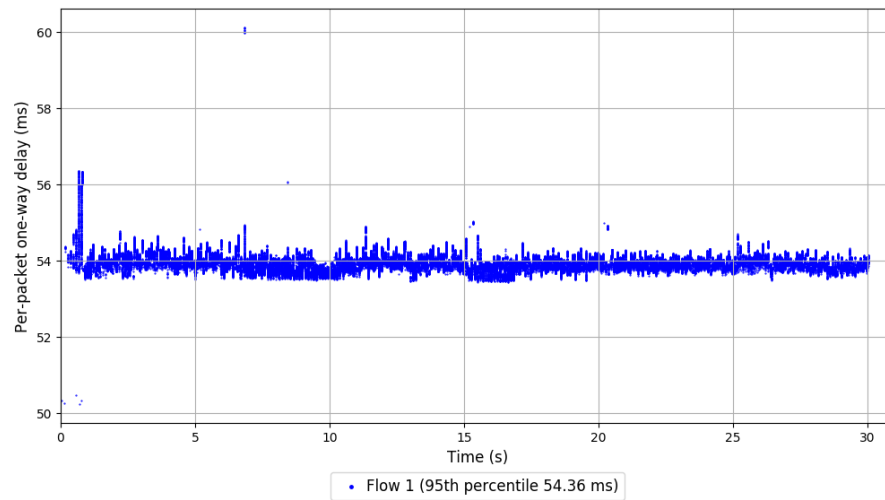
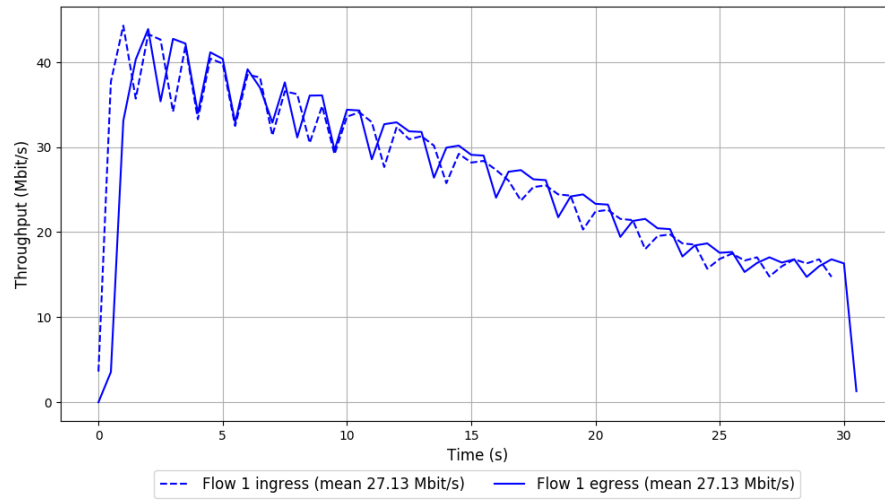


Run 1: Statistics of TCP Vegas

Start at: 2018-06-01 05:11:47
End at: 2018-06-01 05:12:17
Local clock offset: -0.222 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2018-06-01 09:45:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 27.13 Mbit/s
95th percentile per-packet one-way delay: 54.358 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 27.13 Mbit/s
95th percentile per-packet one-way delay: 54.358 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-06-01 05:32:06

End at: 2018-06-01 05:32:36

Local clock offset: -0.204 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-06-01 09:45:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.80 Mbit/s

95th percentile per-packet one-way delay: 53.738 ms

Loss rate: 0.00%

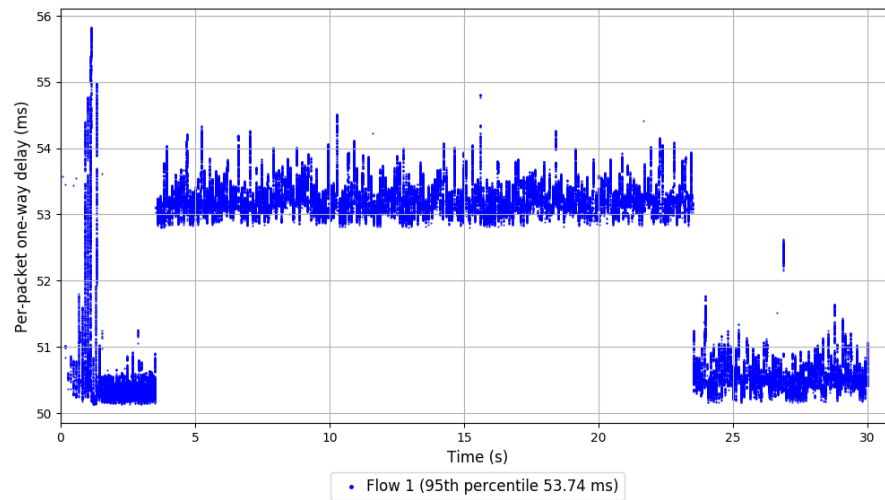
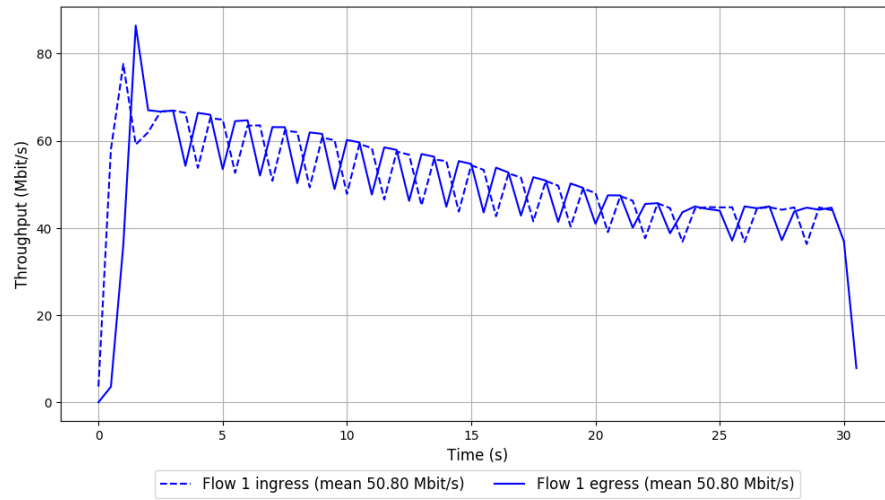
-- Flow 1:

Average throughput: 50.80 Mbit/s

95th percentile per-packet one-way delay: 53.738 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

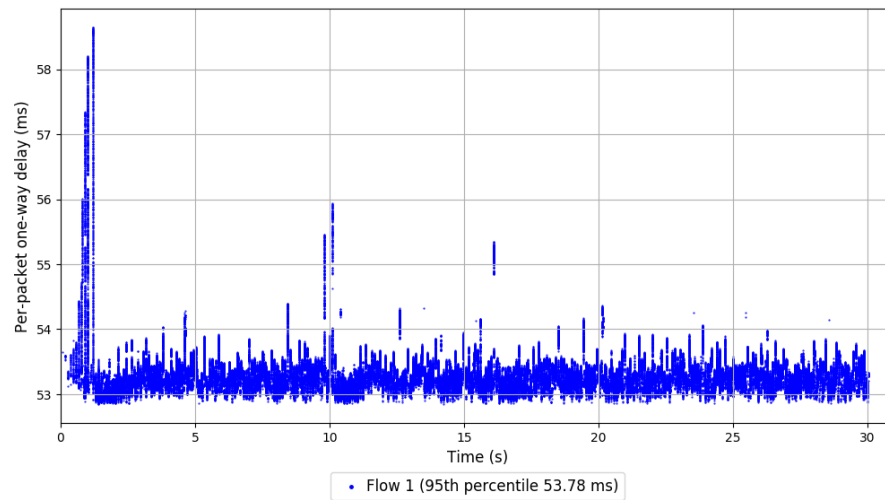
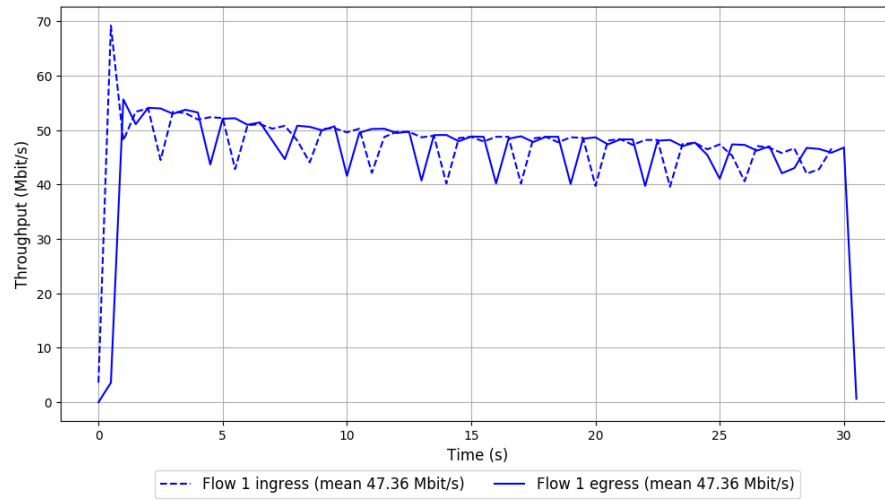


Run 3: Statistics of TCP Vegas

Start at: 2018-06-01 05:52:23
End at: 2018-06-01 05:52:53
Local clock offset: -0.048 ms
Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-06-01 09:45:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 47.36 Mbit/s
95th percentile per-packet one-way delay: 53.780 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.36 Mbit/s
95th percentile per-packet one-way delay: 53.780 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

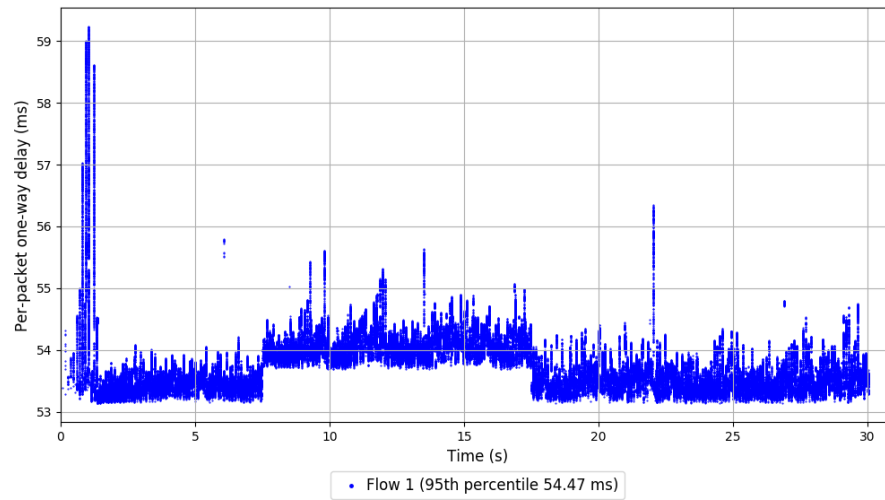
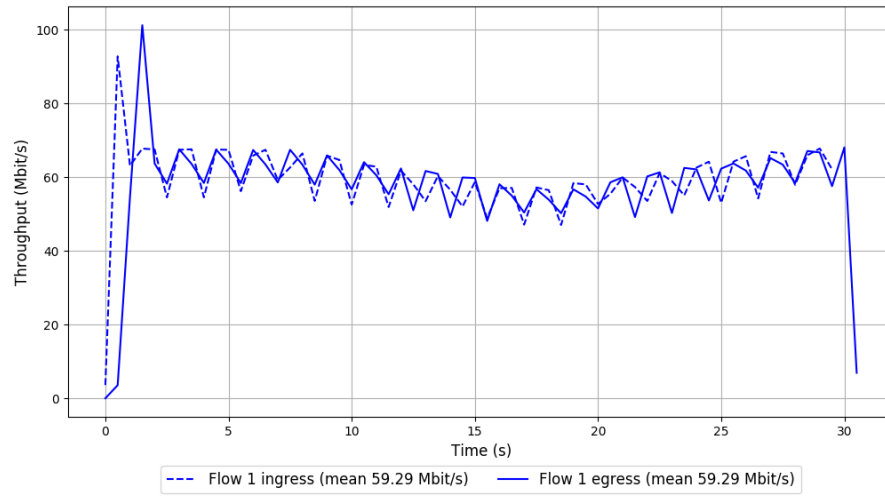


Run 4: Statistics of TCP Vegas

Start at: 2018-06-01 06:13:02
End at: 2018-06-01 06:13:32
Local clock offset: -0.303 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-06-01 09:45:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.29 Mbit/s
95th percentile per-packet one-way delay: 54.467 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.29 Mbit/s
95th percentile per-packet one-way delay: 54.467 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

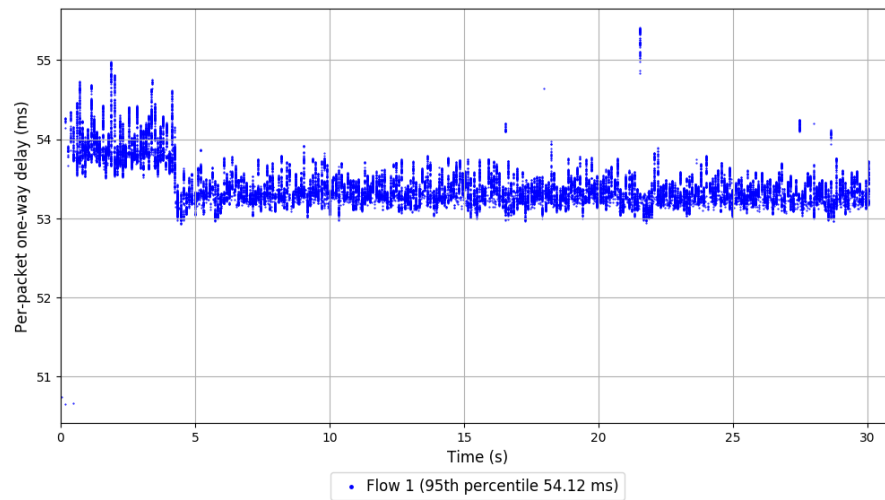
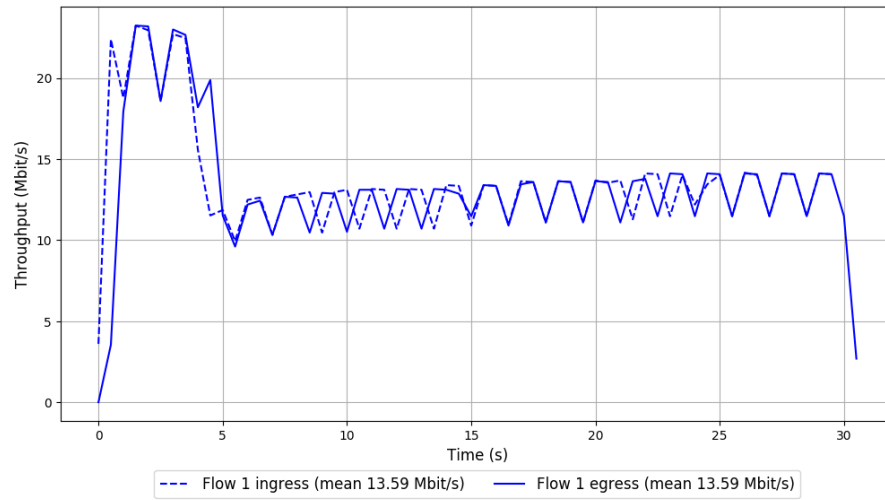


Run 5: Statistics of TCP Vegas

Start at: 2018-06-01 06:33:15
End at: 2018-06-01 06:33:45
Local clock offset: -0.331 ms
Remote clock offset: -0.199 ms

Below is generated by plot.py at 2018-06-01 09:45:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.59 Mbit/s
95th percentile per-packet one-way delay: 54.122 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.59 Mbit/s
95th percentile per-packet one-way delay: 54.122 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-06-01 06:53:57

End at: 2018-06-01 06:54:27

Local clock offset: 0.136 ms

Remote clock offset: 0.252 ms

Below is generated by plot.py at 2018-06-01 09:45:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.59 Mbit/s

95th percentile per-packet one-way delay: 53.927 ms

Loss rate: 0.05%

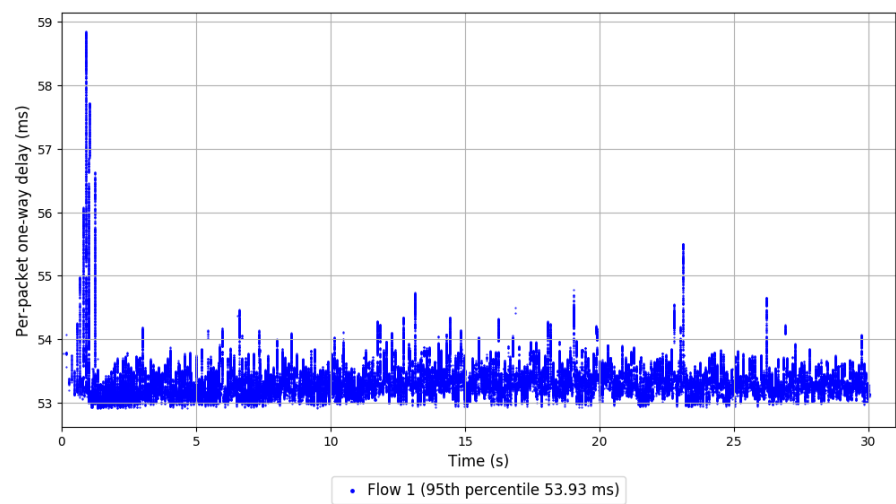
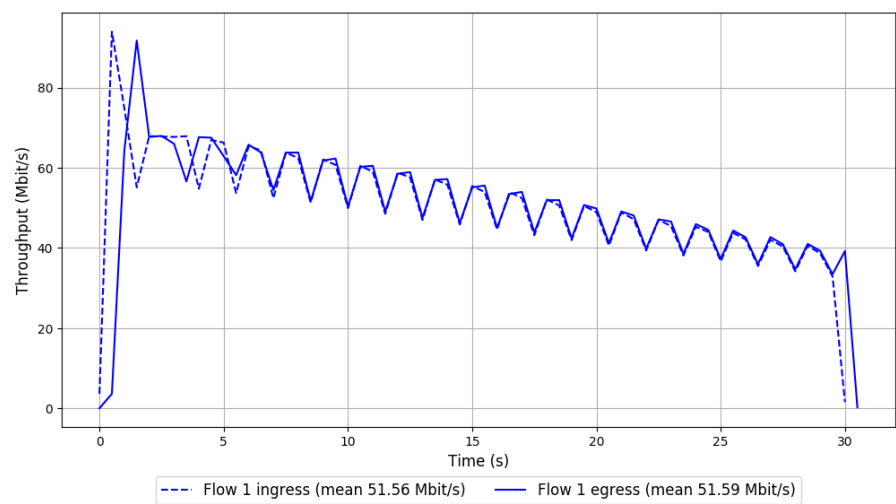
-- Flow 1:

Average throughput: 51.59 Mbit/s

95th percentile per-packet one-way delay: 53.927 ms

Loss rate: 0.05%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-06-01 07:13:48

End at: 2018-06-01 07:14:18

Local clock offset: 0.202 ms

Remote clock offset: 0.161 ms

Below is generated by plot.py at 2018-06-01 09:45:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 110.89 Mbit/s

95th percentile per-packet one-way delay: 53.811 ms

Loss rate: 0.00%

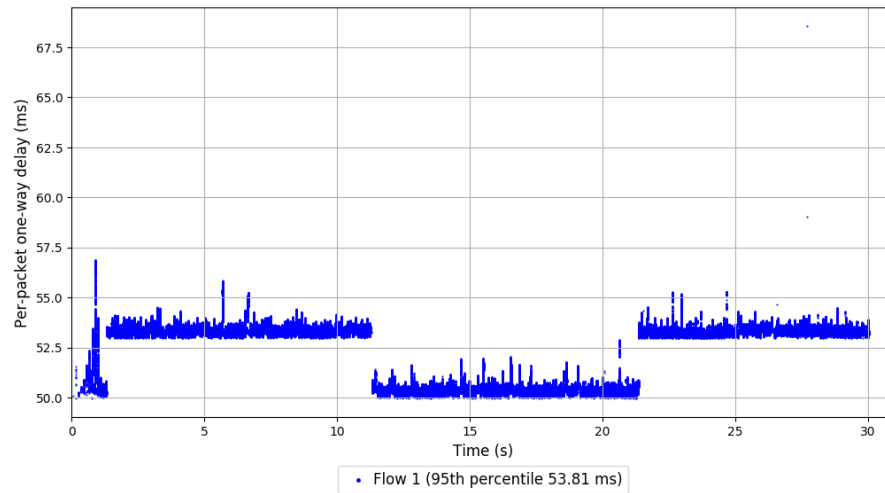
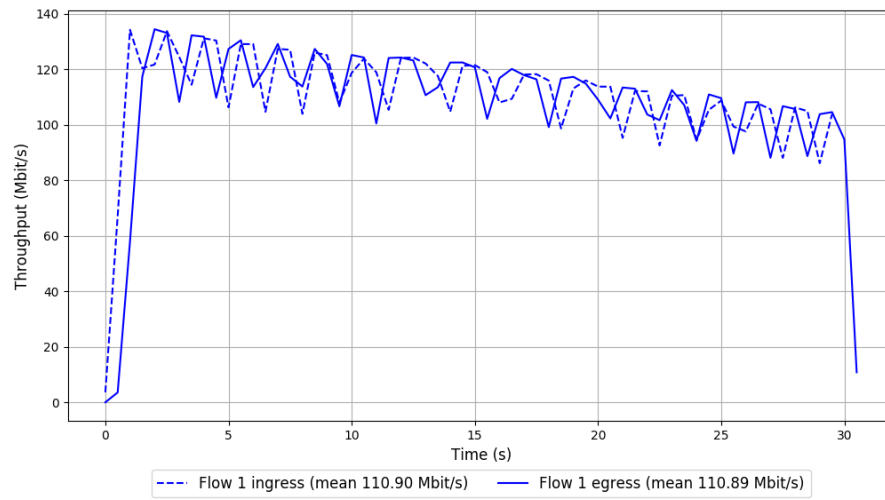
-- Flow 1:

Average throughput: 110.89 Mbit/s

95th percentile per-packet one-way delay: 53.811 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-06-01 07:33:58

End at: 2018-06-01 07:34:28

Local clock offset: 0.011 ms

Remote clock offset: 0.15 ms

Below is generated by plot.py at 2018-06-01 09:45:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 28.11 Mbit/s

95th percentile per-packet one-way delay: 54.461 ms

Loss rate: 0.00%

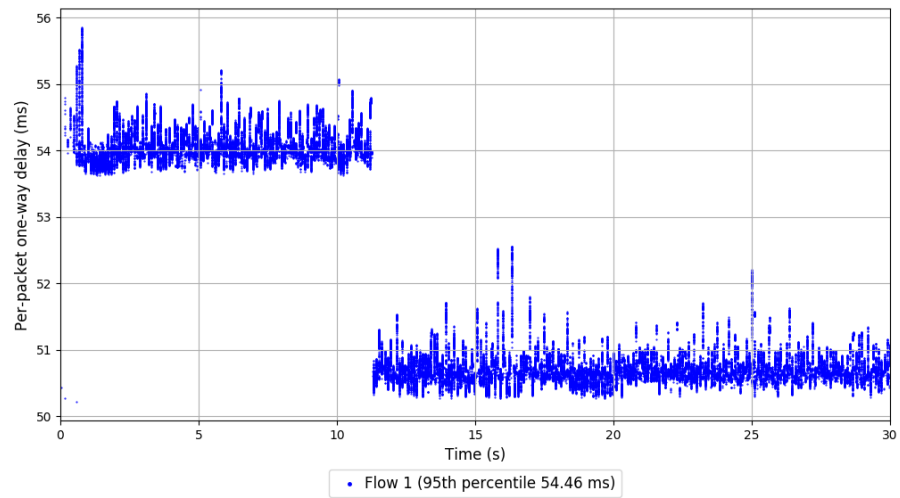
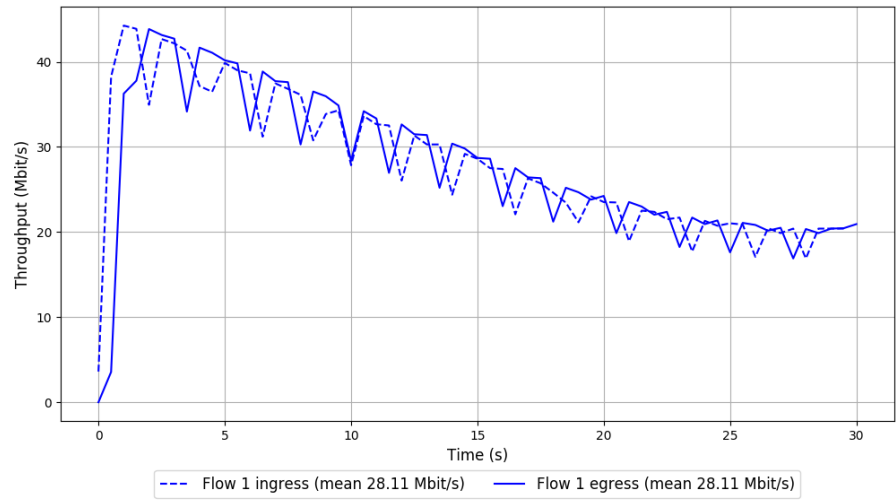
-- Flow 1:

Average throughput: 28.11 Mbit/s

95th percentile per-packet one-way delay: 54.461 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

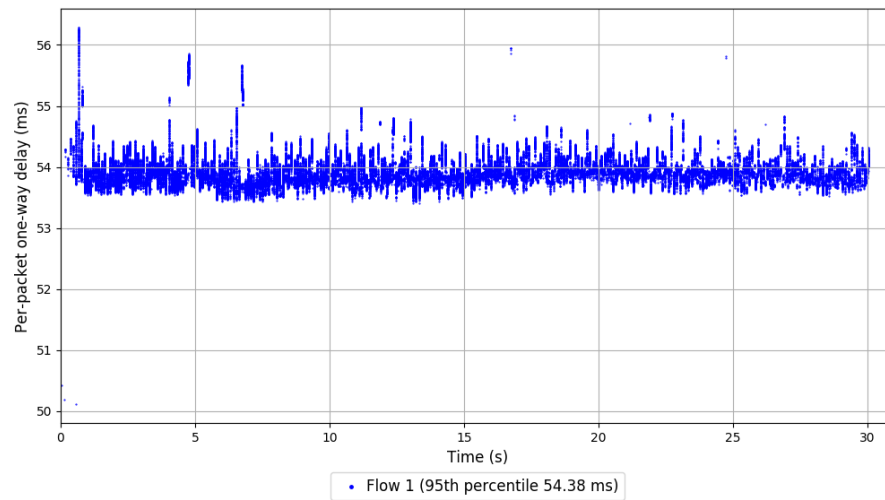
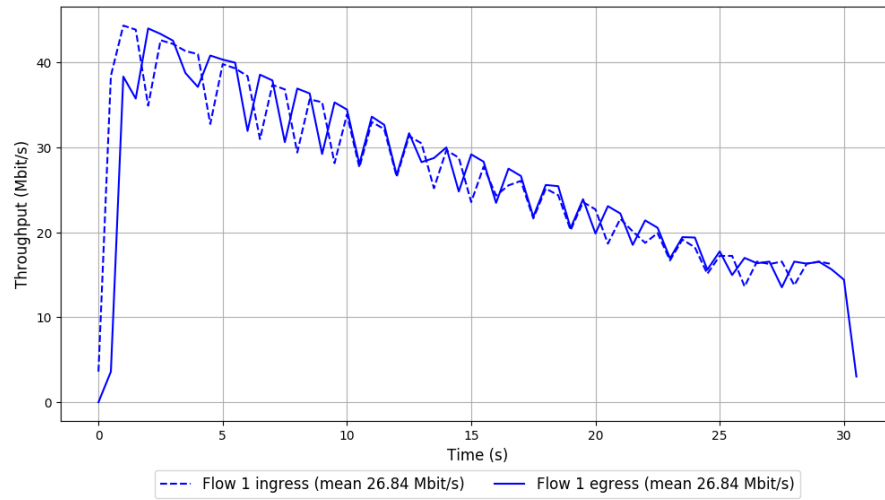


Run 9: Statistics of TCP Vegas

Start at: 2018-06-01 07:54:34
End at: 2018-06-01 07:55:04
Local clock offset: -0.121 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-06-01 09:45:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 26.84 Mbit/s
95th percentile per-packet one-way delay: 54.382 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 26.84 Mbit/s
95th percentile per-packet one-way delay: 54.382 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-06-01 08:15:13

End at: 2018-06-01 08:15:43

Local clock offset: -0.334 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-06-01 09:45:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.33 Mbit/s

95th percentile per-packet one-way delay: 54.449 ms

Loss rate: 0.01%

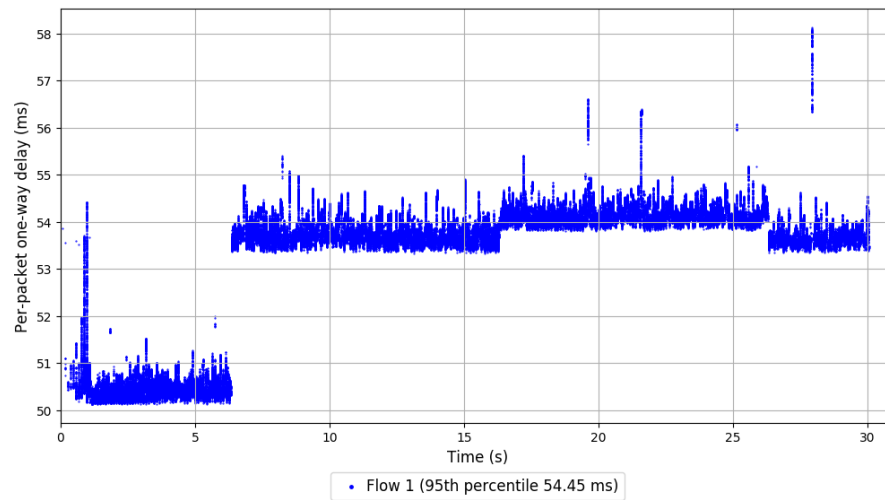
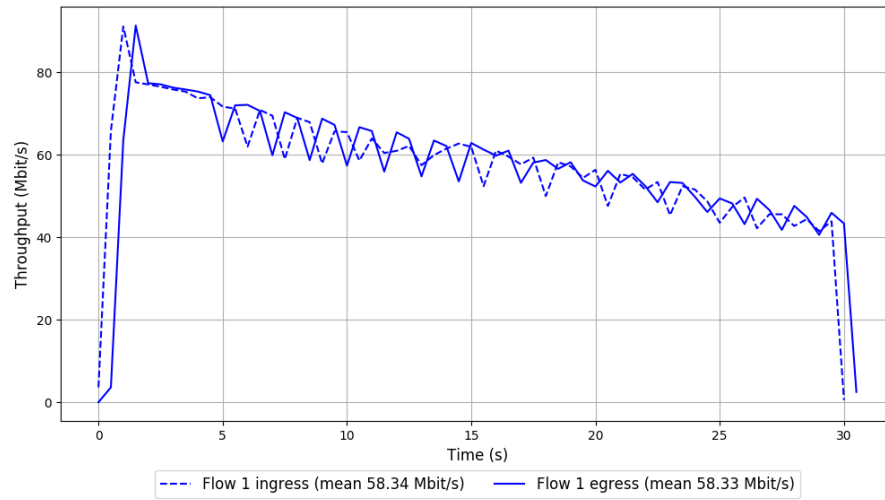
-- Flow 1:

Average throughput: 58.33 Mbit/s

95th percentile per-packet one-way delay: 54.449 ms

Loss rate: 0.01%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-06-01 05:00:07

End at: 2018-06-01 05:00:37

Local clock offset: -0.435 ms

Remote clock offset: 0.148 ms

Below is generated by plot.py at 2018-06-01 09:45:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 248.74 Mbit/s

95th percentile per-packet one-way delay: 87.784 ms

Loss rate: 0.32%

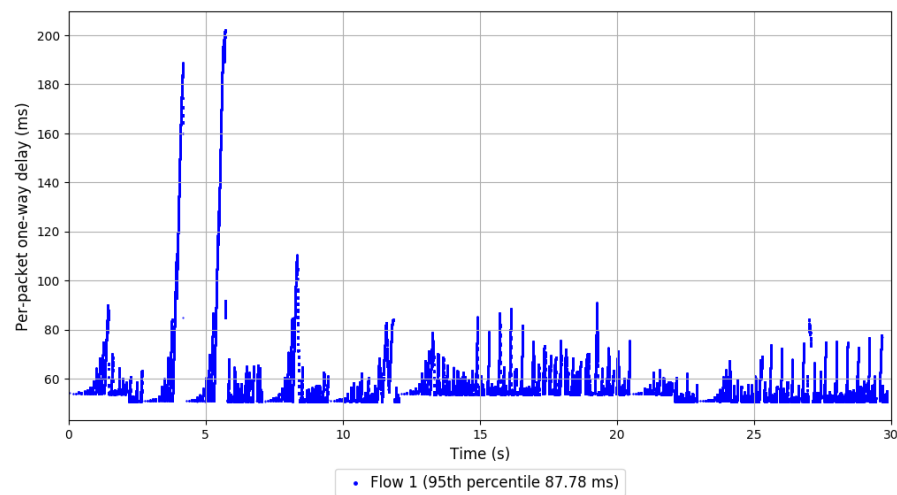
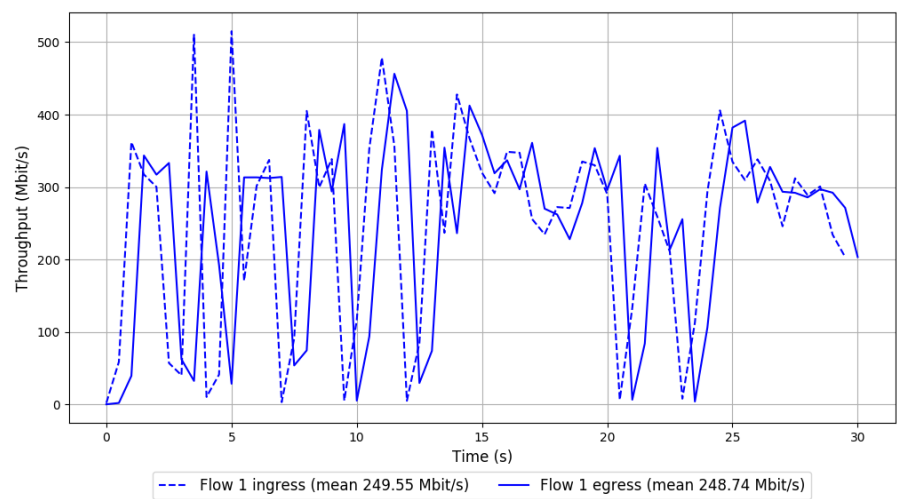
-- Flow 1:

Average throughput: 248.74 Mbit/s

95th percentile per-packet one-way delay: 87.784 ms

Loss rate: 0.32%

Run 1: Report of Verus — Data Link

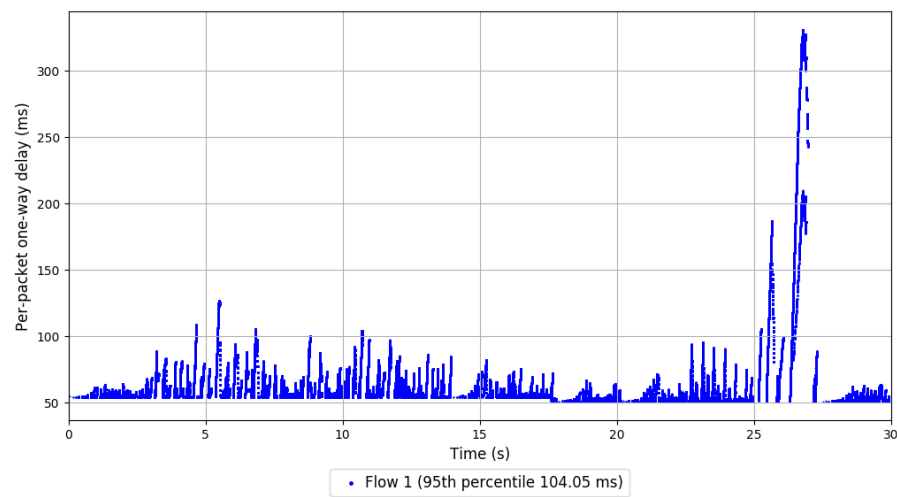
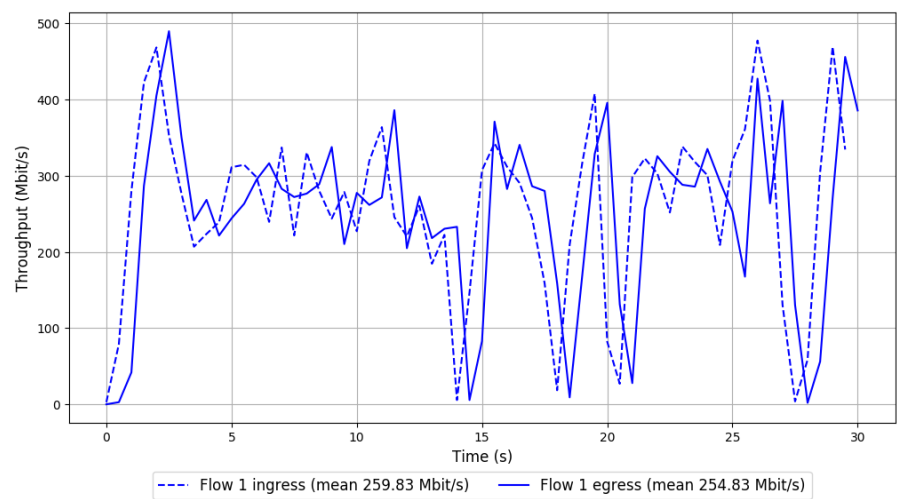


Run 2: Statistics of Verus

Start at: 2018-06-01 05:20:22
End at: 2018-06-01 05:20:52
Local clock offset: -0.411 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-06-01 09:45:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 254.83 Mbit/s
95th percentile per-packet one-way delay: 104.045 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 254.83 Mbit/s
95th percentile per-packet one-way delay: 104.045 ms
Loss rate: 1.93%

Run 2: Report of Verus — Data Link

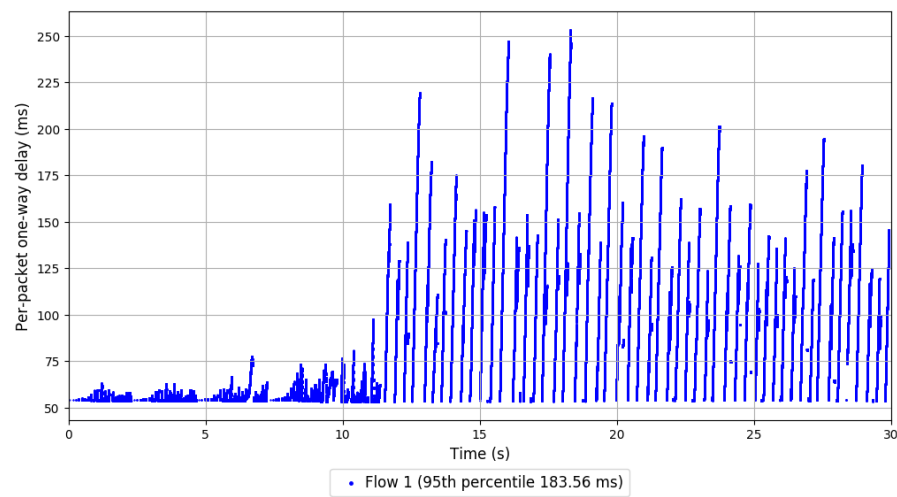
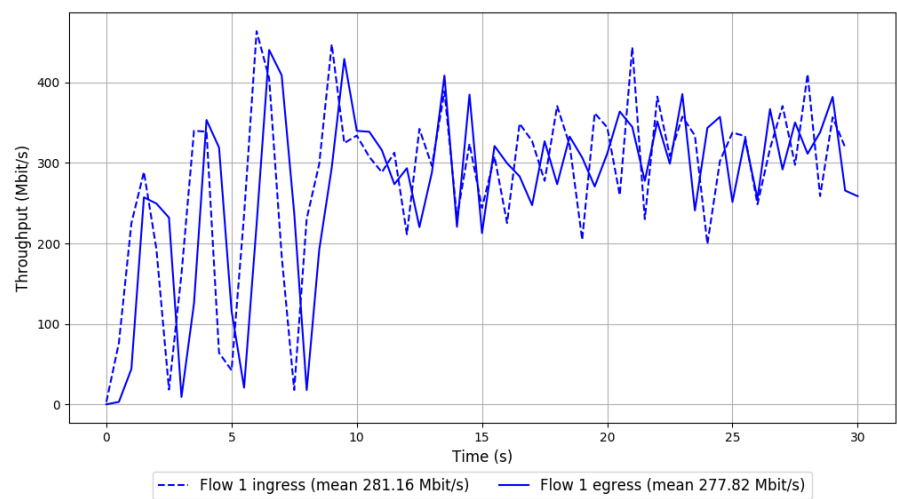


Run 3: Statistics of Verus

Start at: 2018-06-01 05:40:50
End at: 2018-06-01 05:41:20
Local clock offset: -0.376 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-06-01 09:46:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 277.82 Mbit/s
95th percentile per-packet one-way delay: 183.557 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 277.82 Mbit/s
95th percentile per-packet one-way delay: 183.557 ms
Loss rate: 1.13%

Run 3: Report of Verus — Data Link

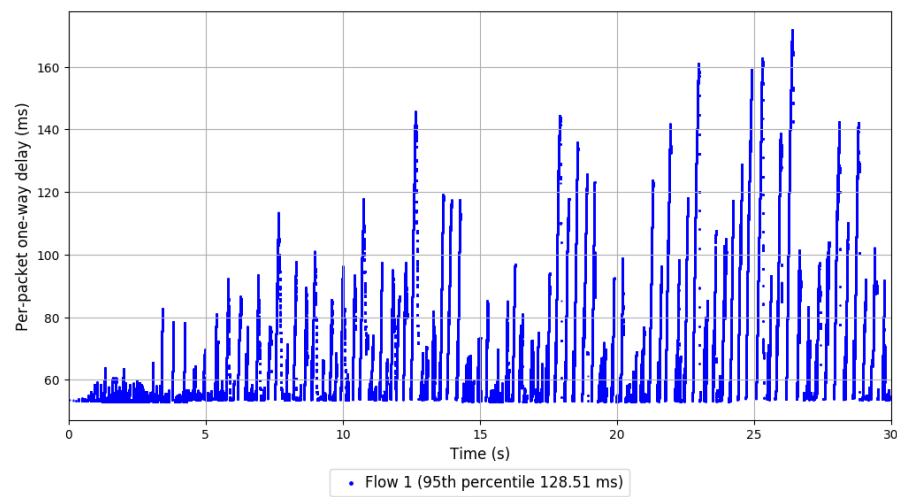
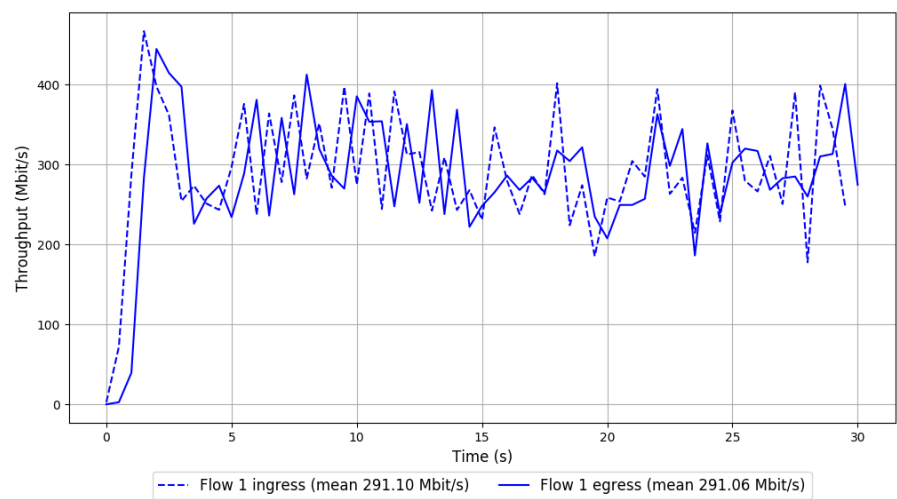


Run 4: Statistics of Verus

Start at: 2018-06-01 06:01:05
End at: 2018-06-01 06:01:35
Local clock offset: -0.21 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-06-01 09:46:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 291.06 Mbit/s
95th percentile per-packet one-way delay: 128.510 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 291.06 Mbit/s
95th percentile per-packet one-way delay: 128.510 ms
Loss rate: 0.02%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-06-01 06:21:47

End at: 2018-06-01 06:22:17

Local clock offset: -0.264 ms

Remote clock offset: 0.161 ms

Below is generated by plot.py at 2018-06-01 09:46:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 270.83 Mbit/s

95th percentile per-packet one-way delay: 198.144 ms

Loss rate: 0.13%

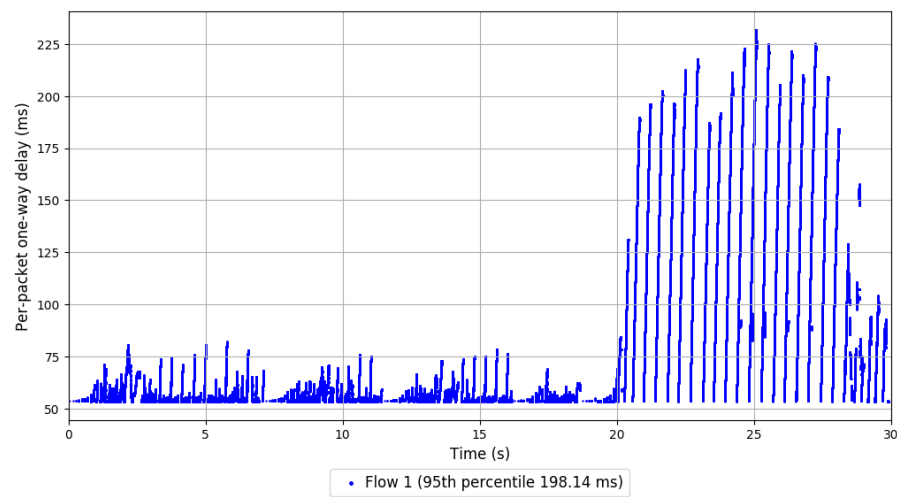
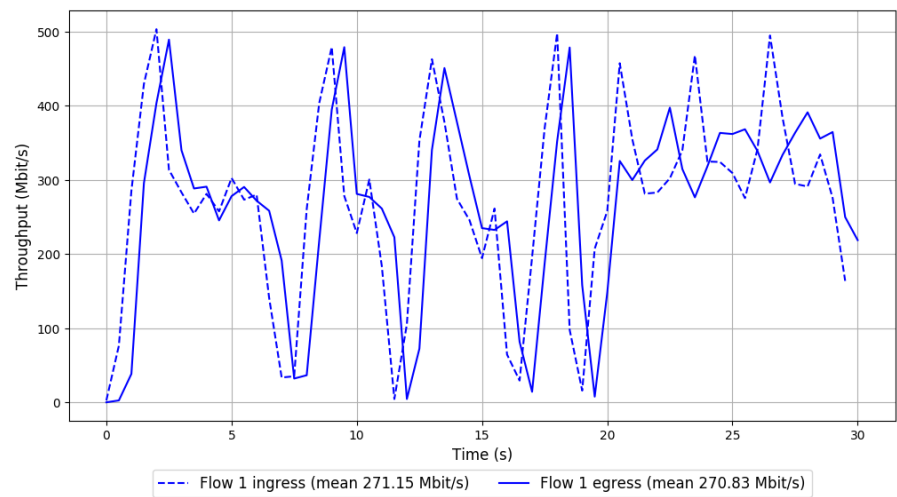
-- Flow 1:

Average throughput: 270.83 Mbit/s

95th percentile per-packet one-way delay: 198.144 ms

Loss rate: 0.13%

Run 5: Report of Verus — Data Link

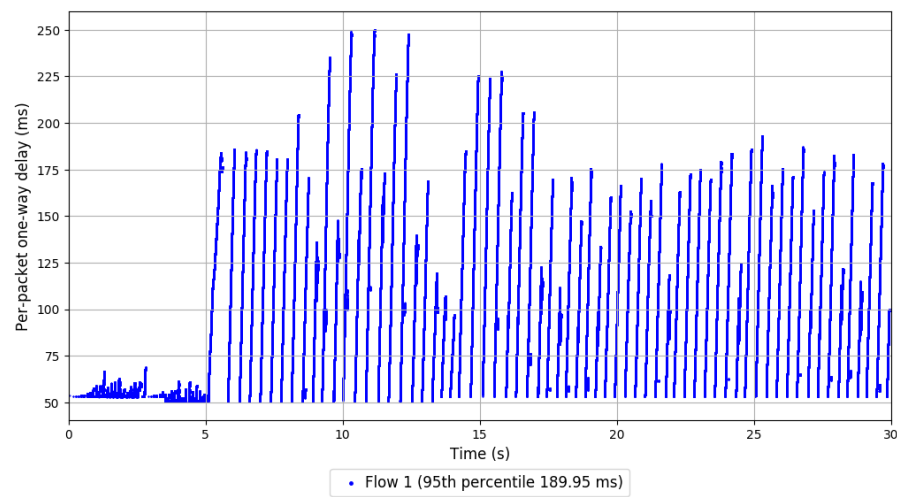
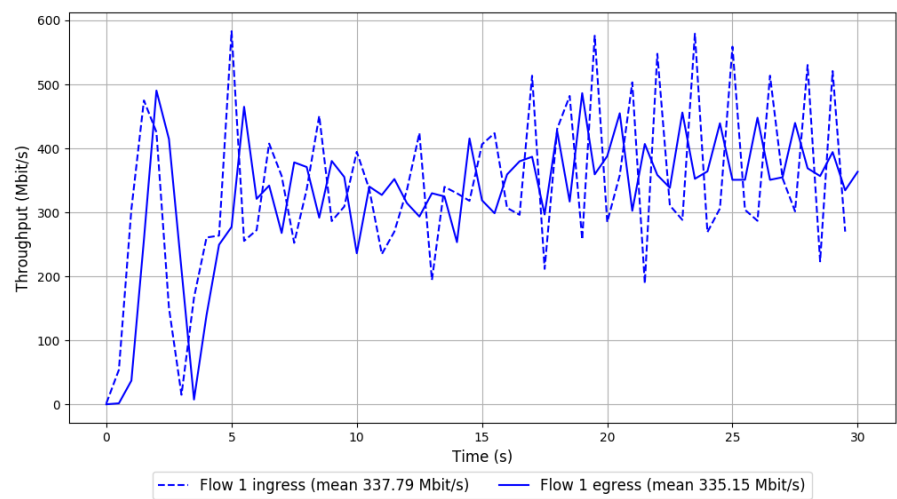


Run 6: Statistics of Verus

Start at: 2018-06-01 06:41:56
End at: 2018-06-01 06:42:26
Local clock offset: -0.38 ms
Remote clock offset: -0.182 ms

Below is generated by plot.py at 2018-06-01 09:47:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 335.15 Mbit/s
95th percentile per-packet one-way delay: 189.953 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 335.15 Mbit/s
95th percentile per-packet one-way delay: 189.953 ms
Loss rate: 0.79%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-06-01 07:02:20

End at: 2018-06-01 07:02:50

Local clock offset: -0.277 ms

Remote clock offset: 0.177 ms

Below is generated by plot.py at 2018-06-01 09:47:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 271.36 Mbit/s

95th percentile per-packet one-way delay: 77.641 ms

Loss rate: 0.00%

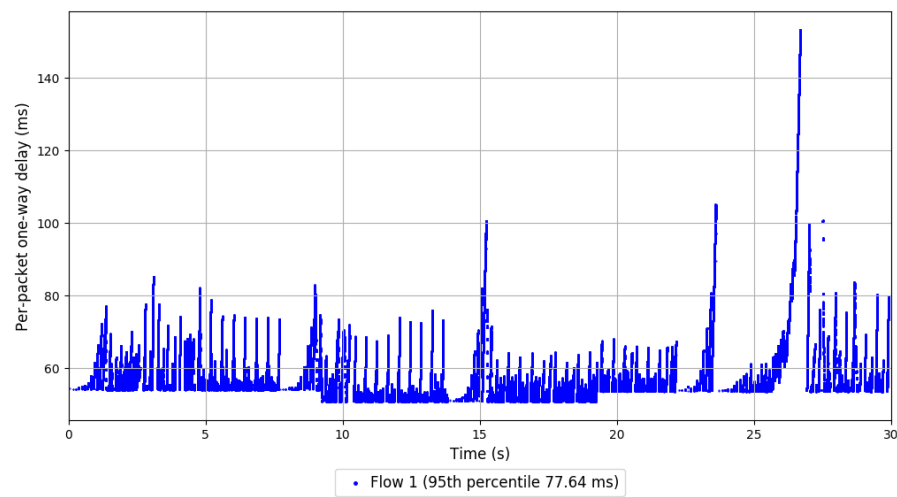
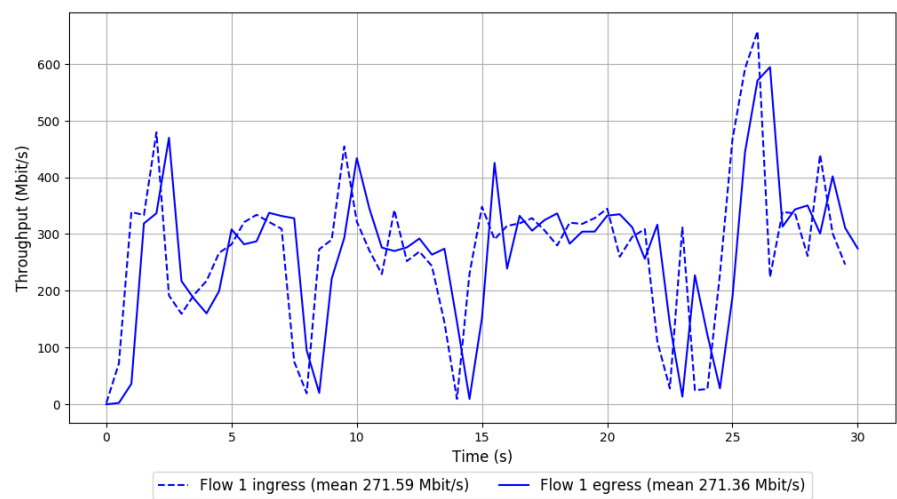
-- Flow 1:

Average throughput: 271.36 Mbit/s

95th percentile per-packet one-way delay: 77.641 ms

Loss rate: 0.00%

Run 7: Report of Verus — Data Link

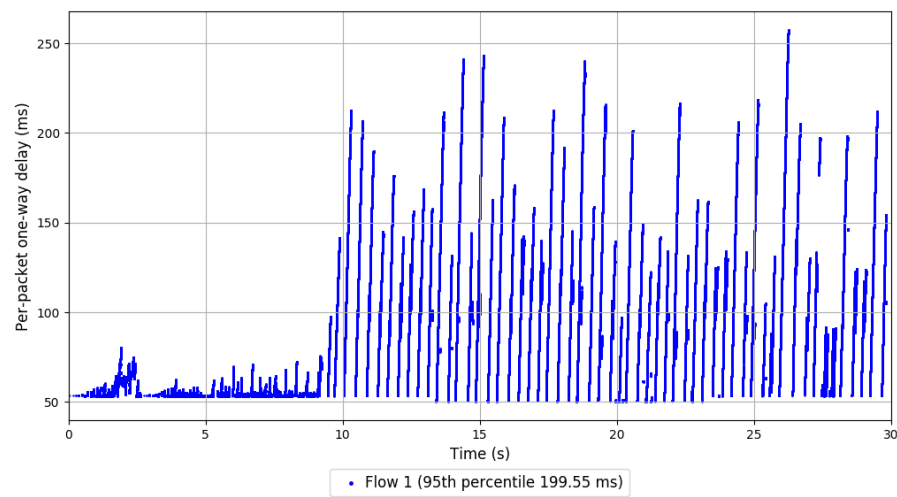
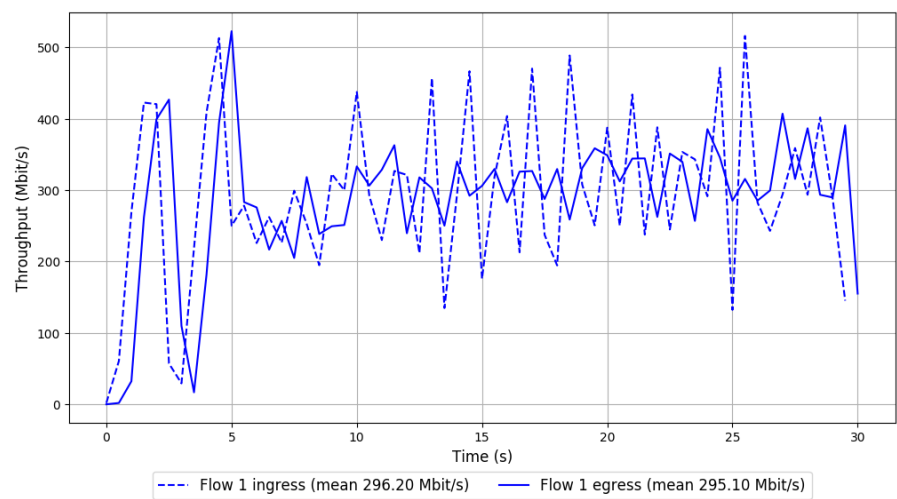


Run 8: Statistics of Verus

Start at: 2018-06-01 07:22:26
End at: 2018-06-01 07:22:56
Local clock offset: -0.203 ms
Remote clock offset: -0.233 ms

Below is generated by plot.py at 2018-06-01 09:49:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 295.10 Mbit/s
95th percentile per-packet one-way delay: 199.551 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 295.10 Mbit/s
95th percentile per-packet one-way delay: 199.551 ms
Loss rate: 0.20%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-06-01 07:42:20

End at: 2018-06-01 07:42:50

Local clock offset: -0.318 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-06-01 09:49:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 285.83 Mbit/s

95th percentile per-packet one-way delay: 202.360 ms

Loss rate: 0.00%

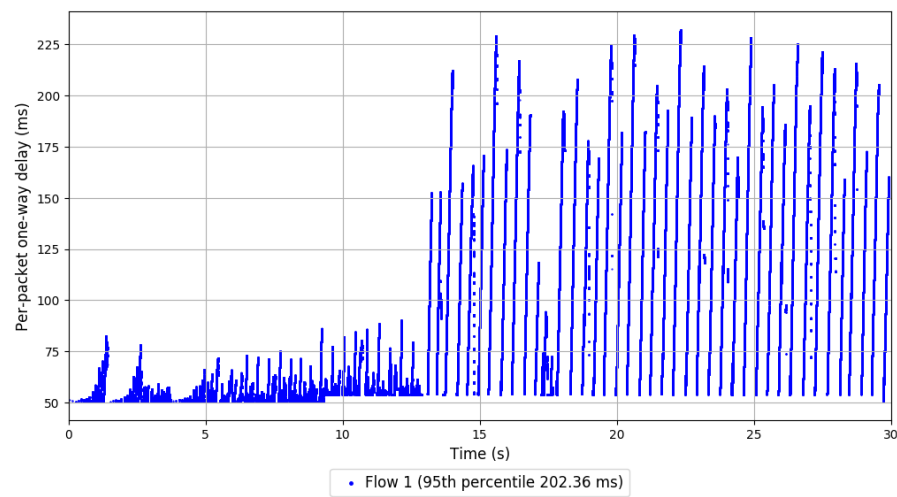
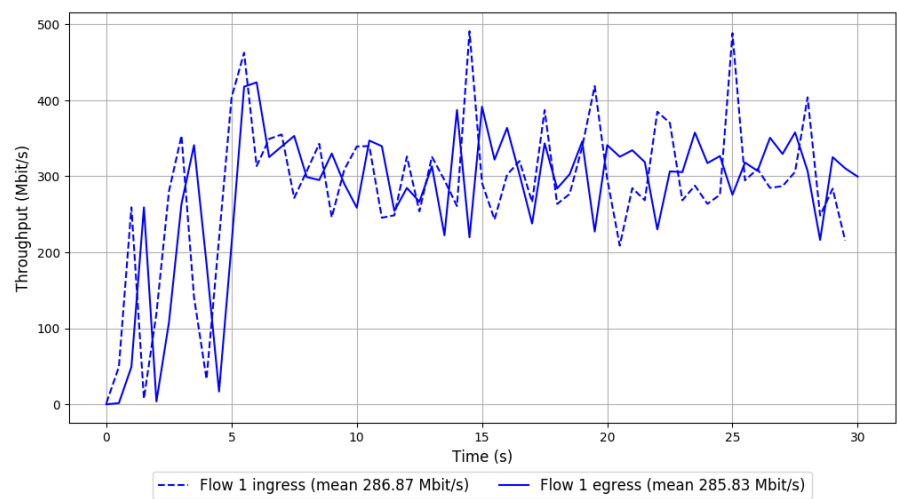
-- Flow 1:

Average throughput: 285.83 Mbit/s

95th percentile per-packet one-way delay: 202.360 ms

Loss rate: 0.00%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-06-01 08:03:12

End at: 2018-06-01 08:03:42

Local clock offset: -0.162 ms

Remote clock offset: 0.181 ms

Below is generated by plot.py at 2018-06-01 09:50:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 324.23 Mbit/s

95th percentile per-packet one-way delay: 231.166 ms

Loss rate: 1.93%

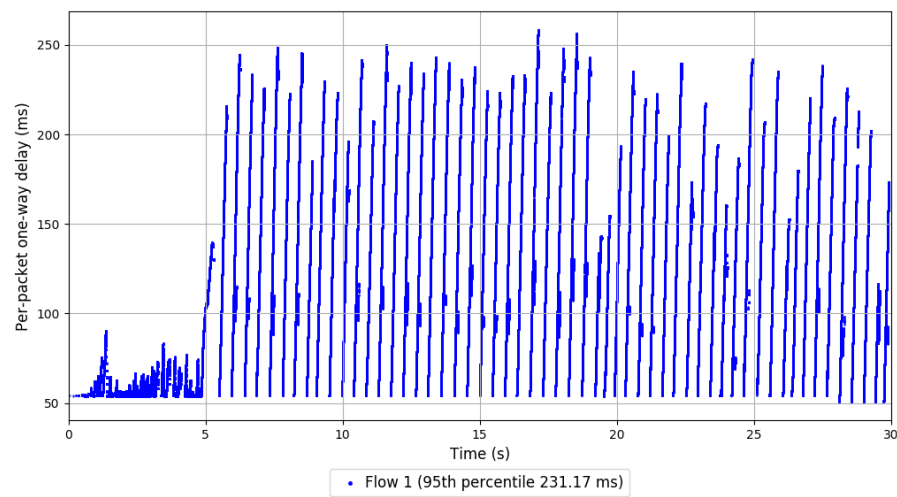
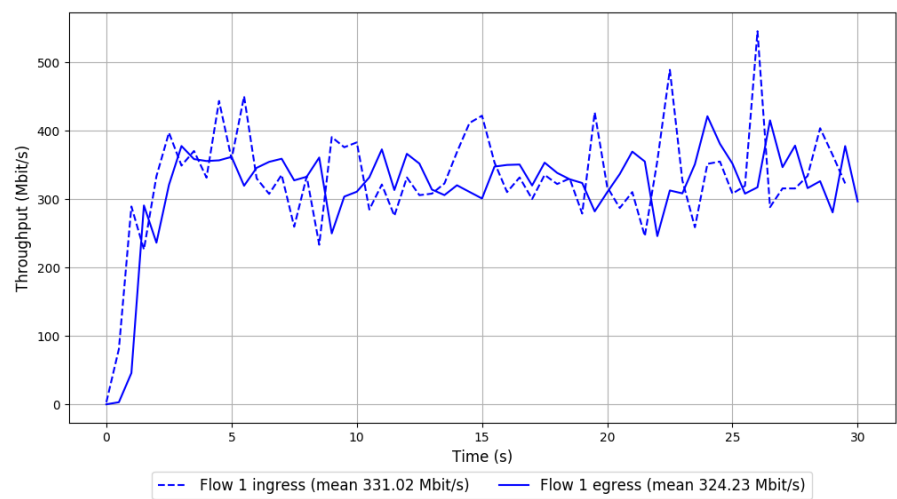
-- Flow 1:

Average throughput: 324.23 Mbit/s

95th percentile per-packet one-way delay: 231.166 ms

Loss rate: 1.93%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-06-01 05:07:34

End at: 2018-06-01 05:08:04

Local clock offset: -0.183 ms

Remote clock offset: 0.201 ms

Below is generated by plot.py at 2018-06-01 09:53:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 390.12 Mbit/s

95th percentile per-packet one-way delay: 137.756 ms

Loss rate: 0.00%

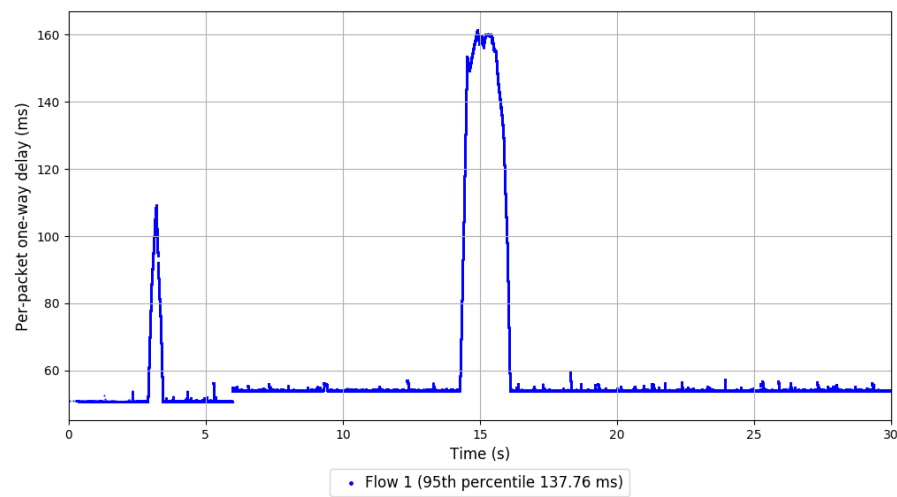
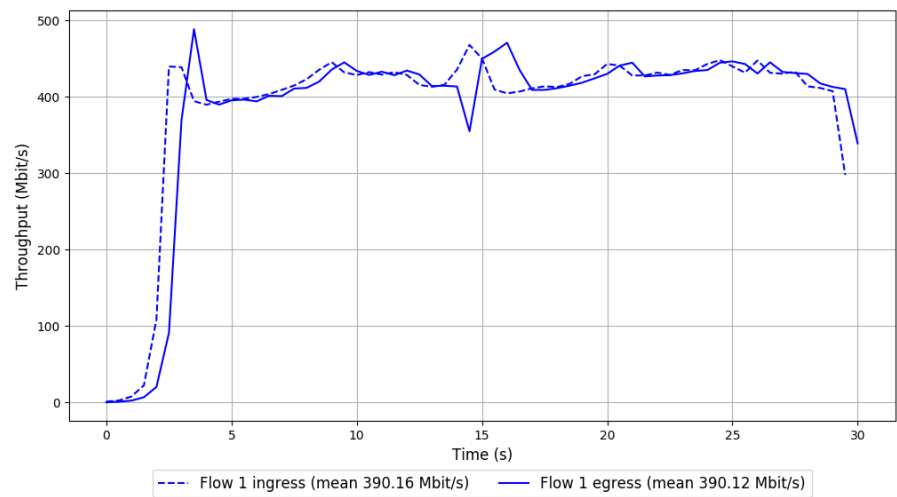
-- Flow 1:

Average throughput: 390.12 Mbit/s

95th percentile per-packet one-way delay: 137.756 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

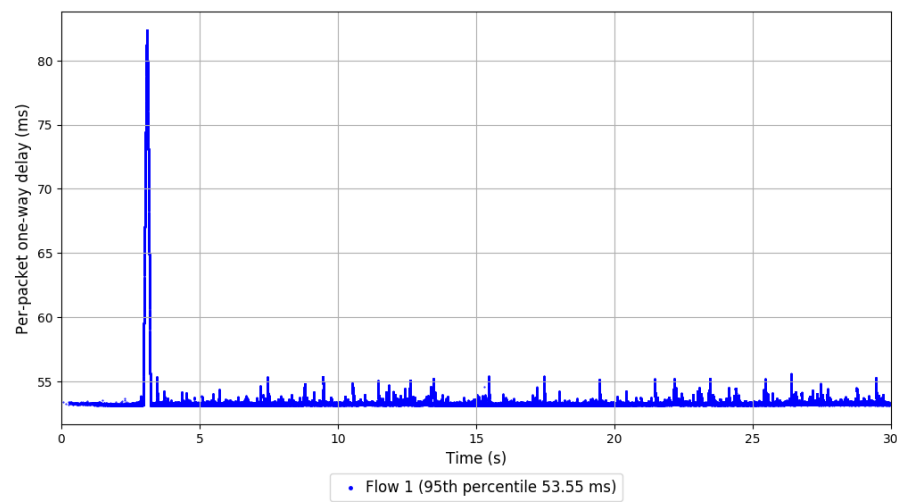
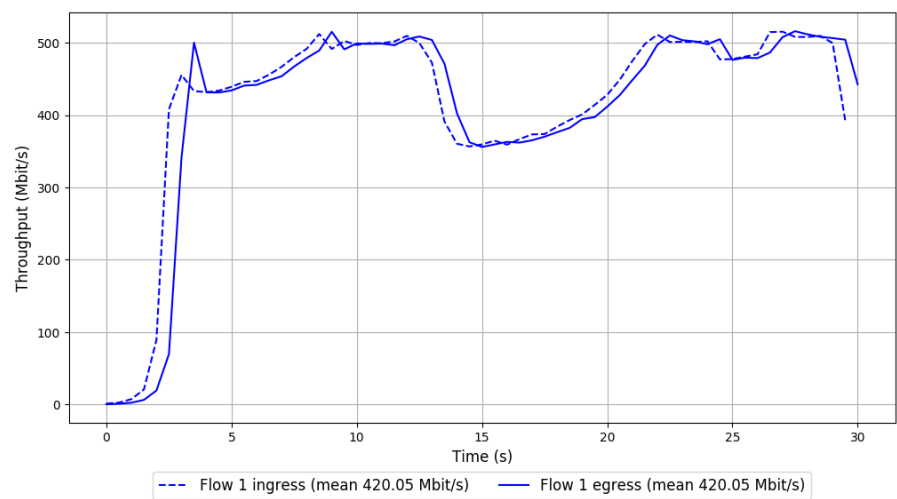


Run 2: Statistics of PCC-Vivace

Start at: 2018-06-01 05:27:53
End at: 2018-06-01 05:28:23
Local clock offset: -0.129 ms
Remote clock offset: -0.278 ms

Below is generated by plot.py at 2018-06-01 09:53:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 420.05 Mbit/s
95th percentile per-packet one-way delay: 53.546 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 420.05 Mbit/s
95th percentile per-packet one-way delay: 53.546 ms
Loss rate: 0.01%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-06-01 05:48:08

End at: 2018-06-01 05:48:38

Local clock offset: 0.067 ms

Remote clock offset: -0.21 ms

Below is generated by plot.py at 2018-06-01 09:53:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 399.03 Mbit/s

95th percentile per-packet one-way delay: 54.131 ms

Loss rate: 0.01%

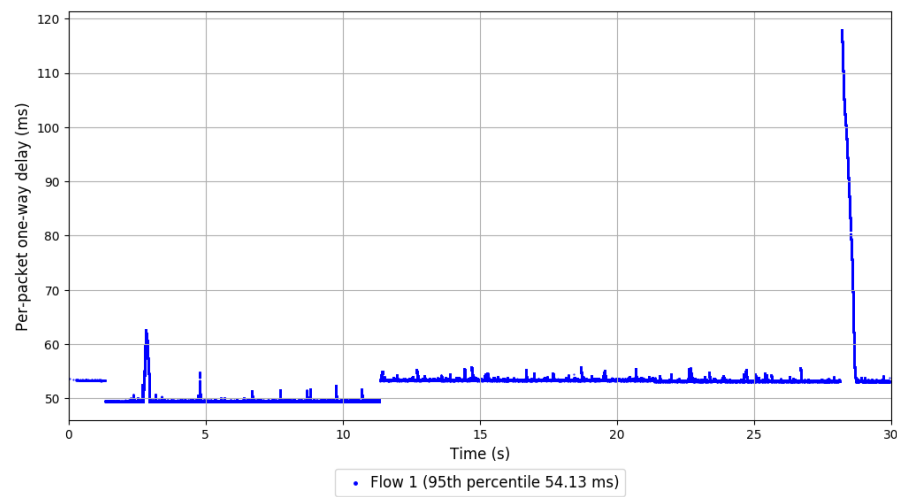
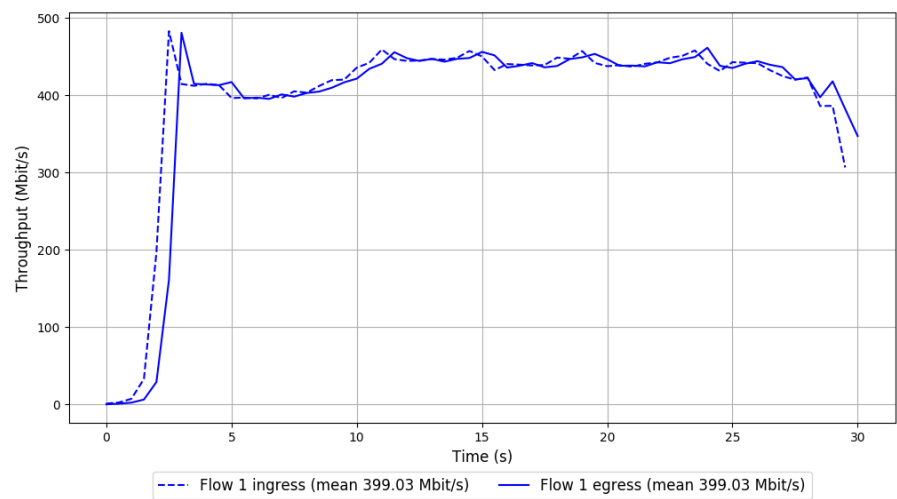
-- Flow 1:

Average throughput: 399.03 Mbit/s

95th percentile per-packet one-way delay: 54.131 ms

Loss rate: 0.01%

Run 3: Report of PCC-Vivace — Data Link

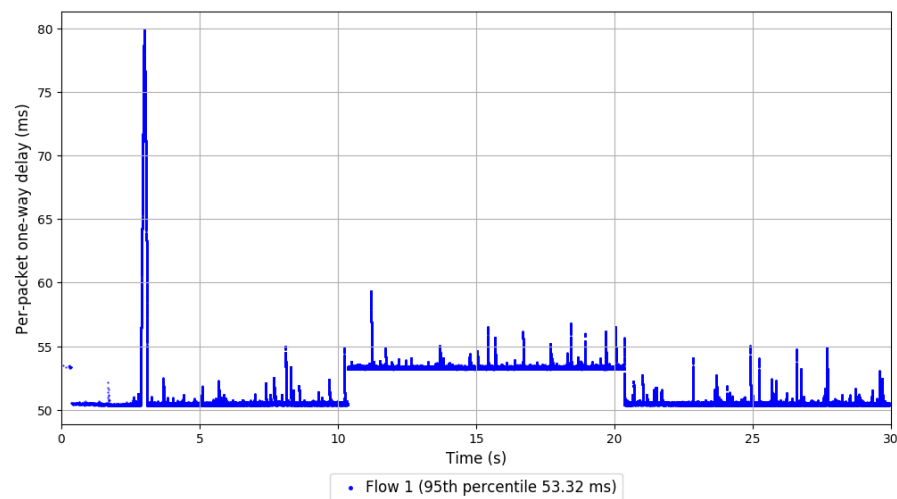
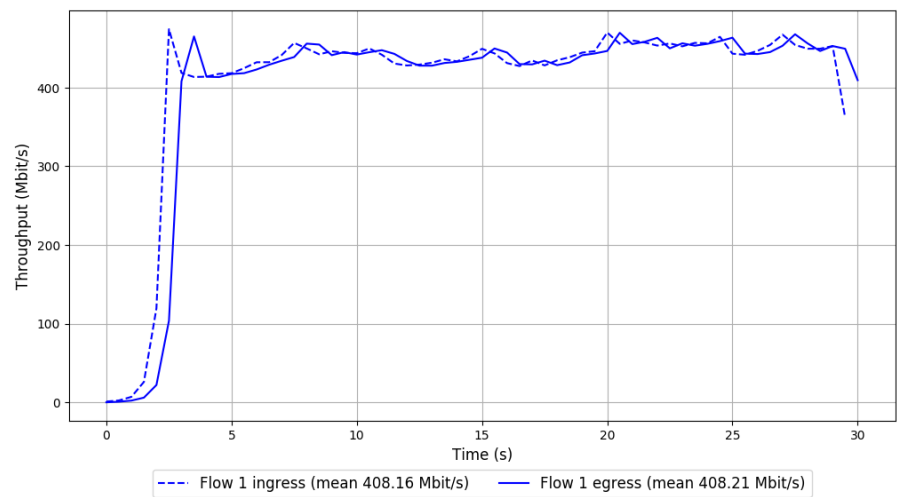


Run 4: Statistics of PCC-Vivace

Start at: 2018-06-01 06:08:49
End at: 2018-06-01 06:09:19
Local clock offset: -0.226 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-06-01 09:54:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 408.21 Mbit/s
95th percentile per-packet one-way delay: 53.320 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 408.21 Mbit/s
95th percentile per-packet one-way delay: 53.320 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

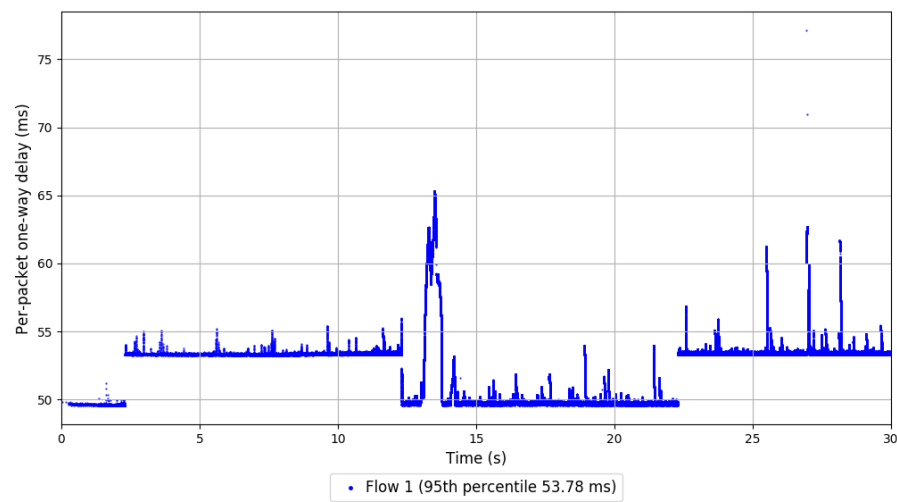
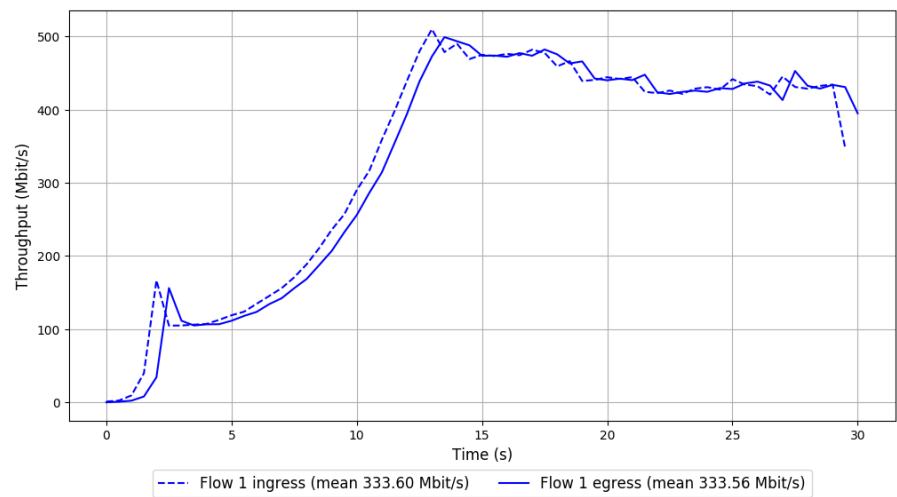


Run 5: Statistics of PCC-Vivace

Start at: 2018-06-01 06:29:07
End at: 2018-06-01 06:29:37
Local clock offset: -0.174 ms
Remote clock offset: -0.263 ms

Below is generated by plot.py at 2018-06-01 09:54:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 333.56 Mbit/s
95th percentile per-packet one-way delay: 53.782 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 333.56 Mbit/s
95th percentile per-packet one-way delay: 53.782 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-06-01 06:49:40

End at: 2018-06-01 06:50:10

Local clock offset: -0.106 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-06-01 09:55:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 436.21 Mbit/s

95th percentile per-packet one-way delay: 60.837 ms

Loss rate: 0.05%

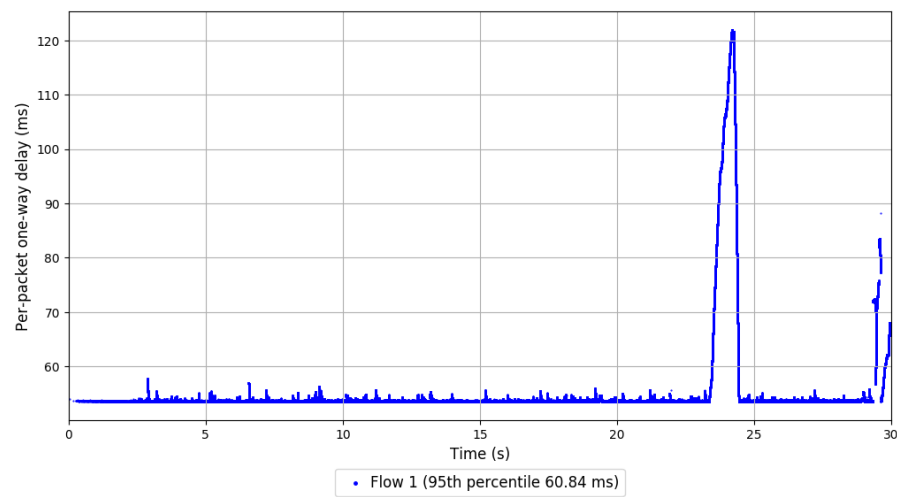
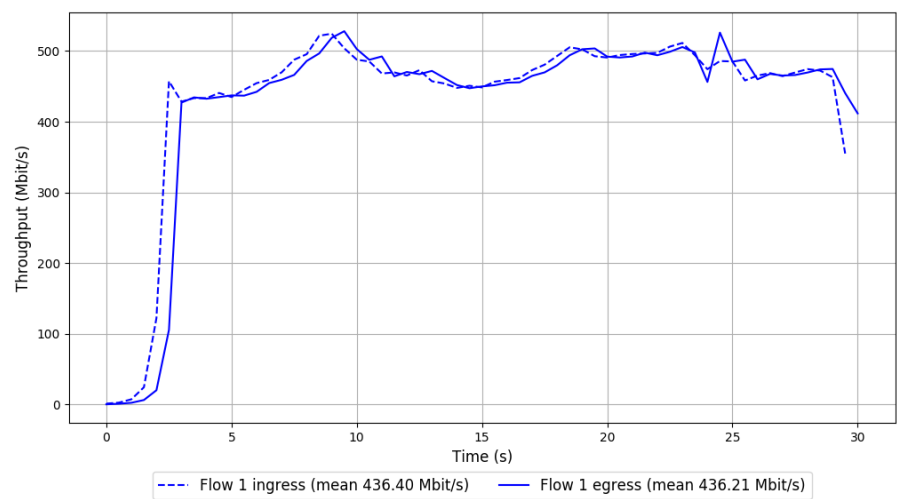
-- Flow 1:

Average throughput: 436.21 Mbit/s

95th percentile per-packet one-way delay: 60.837 ms

Loss rate: 0.05%

Run 6: Report of PCC-Vivace — Data Link

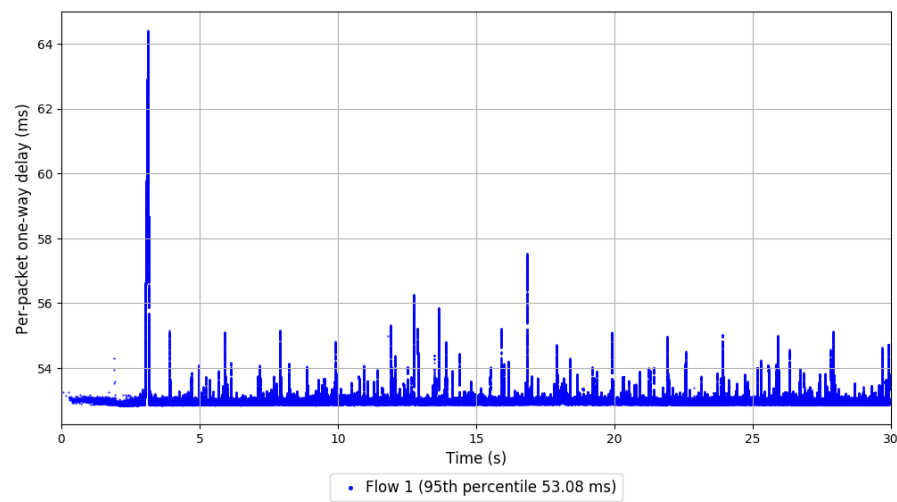
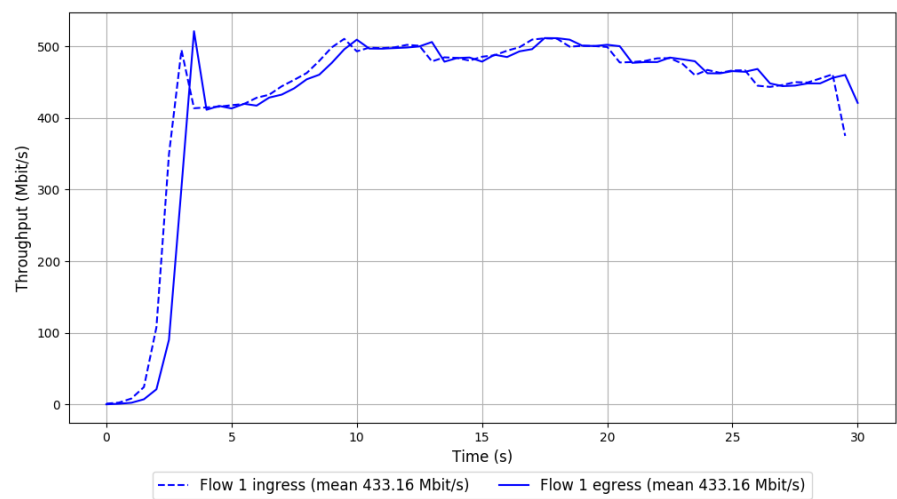


Run 7: Statistics of PCC-Vivace

Start at: 2018-06-01 07:09:35
End at: 2018-06-01 07:10:05
Local clock offset: -0.041 ms
Remote clock offset: -0.261 ms

Below is generated by plot.py at 2018-06-01 09:55:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 433.16 Mbit/s
95th percentile per-packet one-way delay: 53.075 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 433.16 Mbit/s
95th percentile per-packet one-way delay: 53.075 ms
Loss rate: 0.01%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-06-01 07:29:49

End at: 2018-06-01 07:30:19

Local clock offset: -0.145 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-06-01 09:55:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 333.75 Mbit/s

95th percentile per-packet one-way delay: 50.854 ms

Loss rate: 0.00%

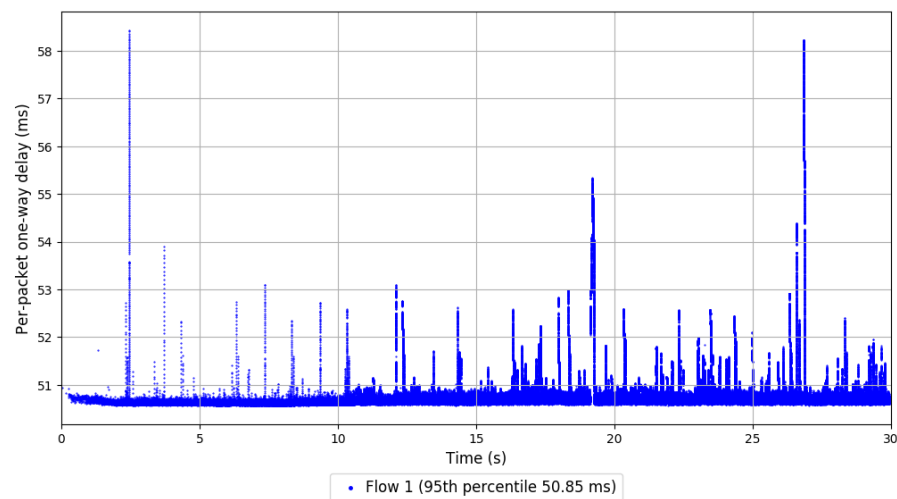
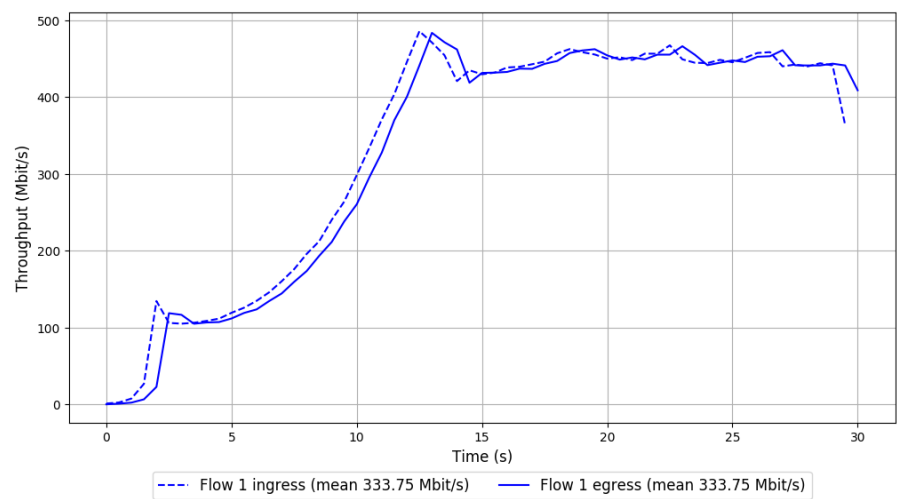
-- Flow 1:

Average throughput: 333.75 Mbit/s

95th percentile per-packet one-way delay: 50.854 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-06-01 07:50:19

End at: 2018-06-01 07:50:49

Local clock offset: -0.166 ms

Remote clock offset: -0.28 ms

Below is generated by plot.py at 2018-06-01 09:56:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 423.97 Mbit/s

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

Loss rate: 0.04%

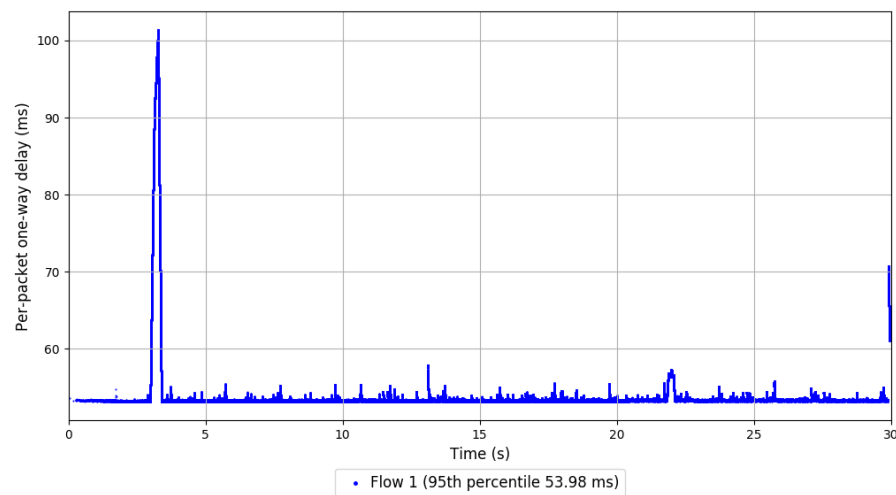
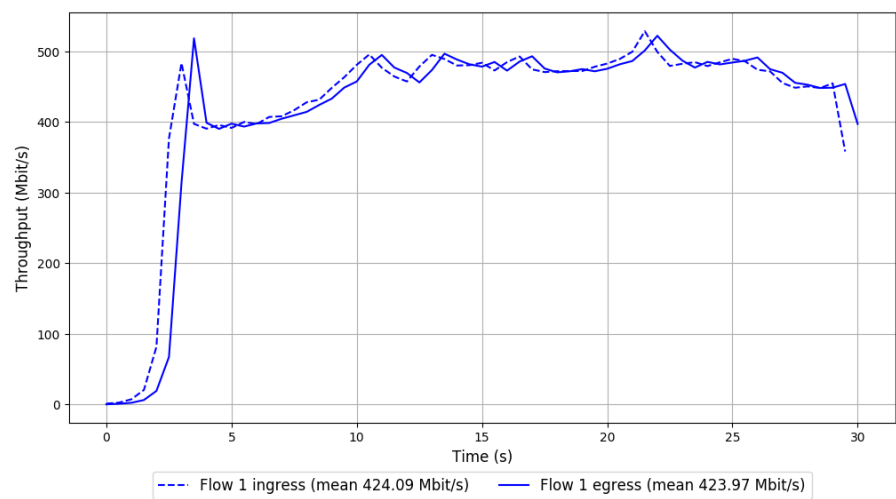
-- Flow 1:

Average throughput: 423.97 Mbit/s

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

Loss rate: 0.04%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-06-01 08:11:00

End at: 2018-06-01 08:11:30

Local clock offset: 0.162 ms

Remote clock offset: 0.159 ms

Below is generated by plot.py at 2018-06-01 09:56:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 432.38 Mbit/s

95th percentile per-packet one-way delay: 51.208 ms

Loss rate: 0.00%

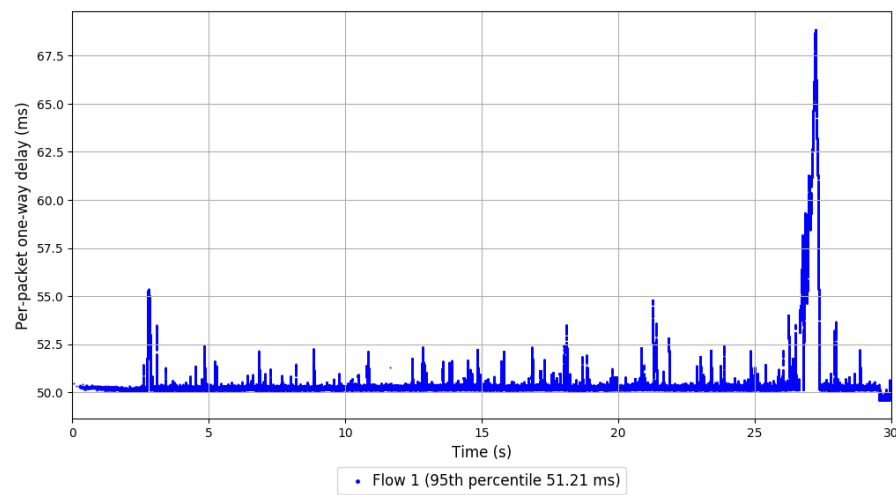
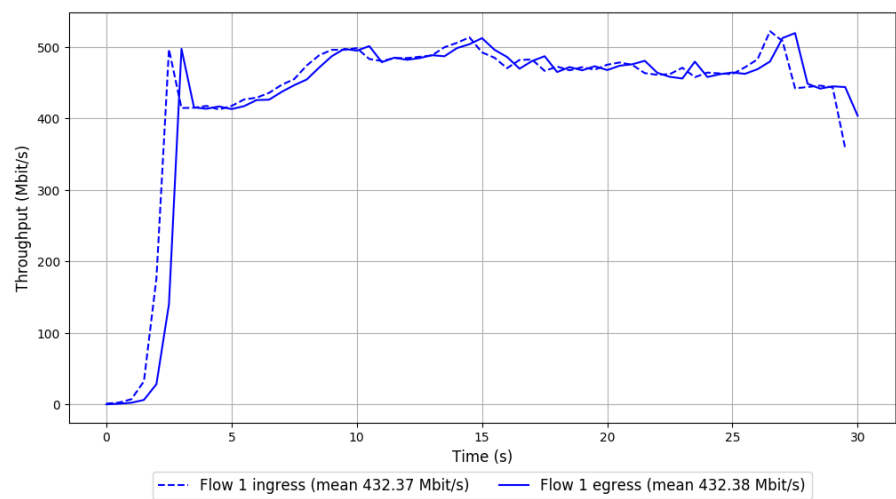
-- Flow 1:

Average throughput: 432.38 Mbit/s

95th percentile per-packet one-way delay: 51.208 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

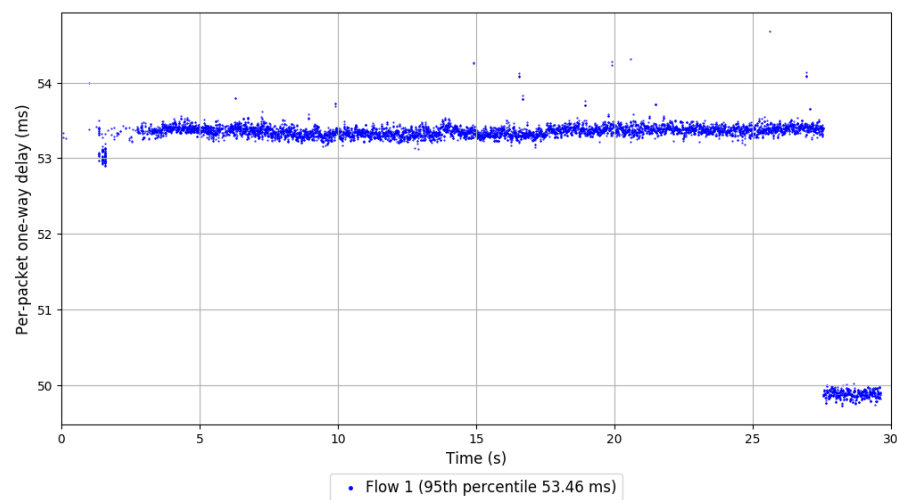
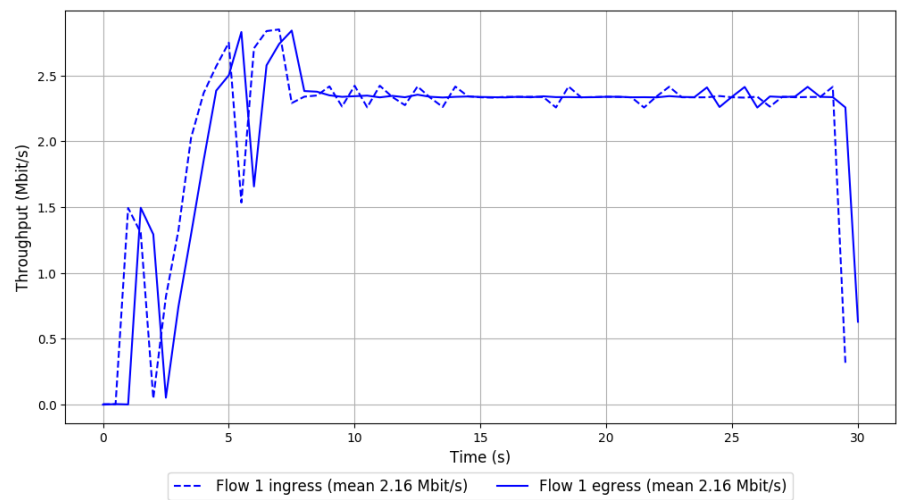


```
Run 1: Statistics of WebRTC media

Start at: 2018-06-01 04:59:02
End at: 2018-06-01 04:59:32
Local clock offset: -0.005 ms
Remote clock offset: -0.218 ms

# Below is generated by plot.py at 2018-06-01 09:56:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 53.459 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 53.459 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

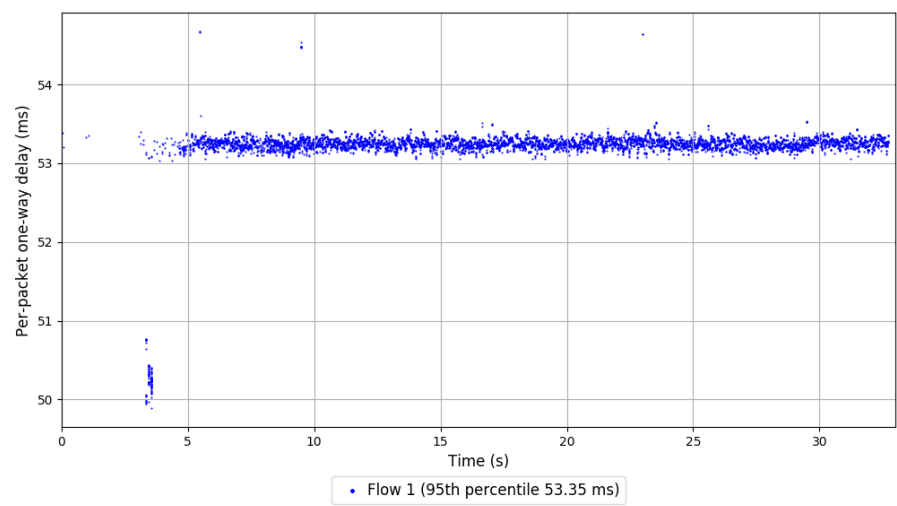
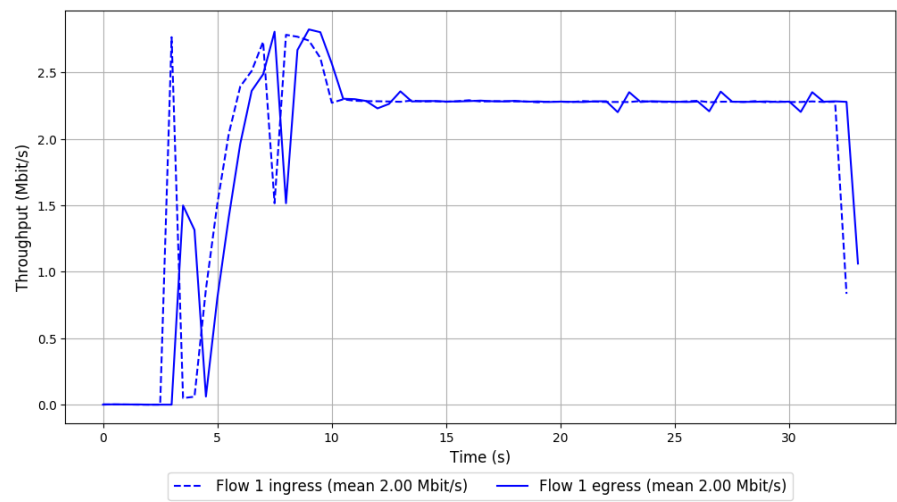


Run 2: Statistics of WebRTC media

Start at: 2018-06-01 05:19:16
End at: 2018-06-01 05:19:46
Local clock offset: 0.039 ms
Remote clock offset: -0.222 ms

Below is generated by plot.py at 2018-06-01 09:56:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 53.349 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 53.349 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-06-01 05:39:45

End at: 2018-06-01 05:40:15

Local clock offset: -0.177 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-06-01 09:56:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 53.660 ms

Loss rate: 0.06%

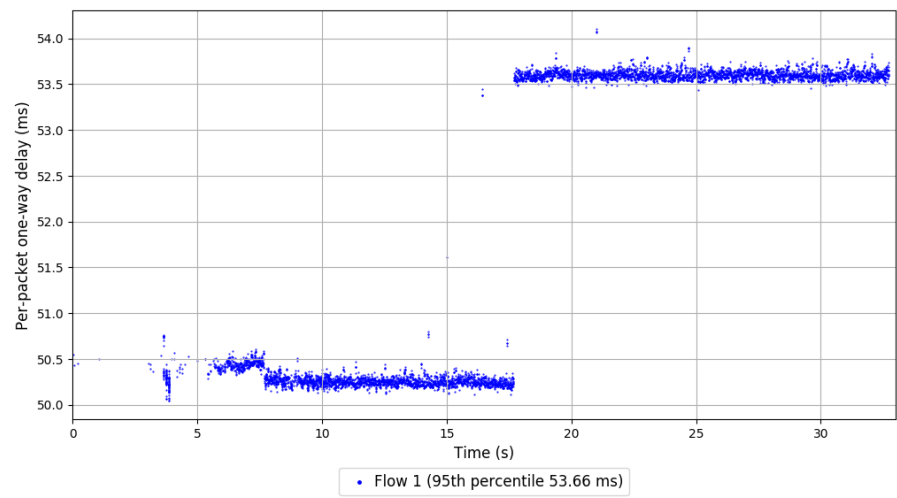
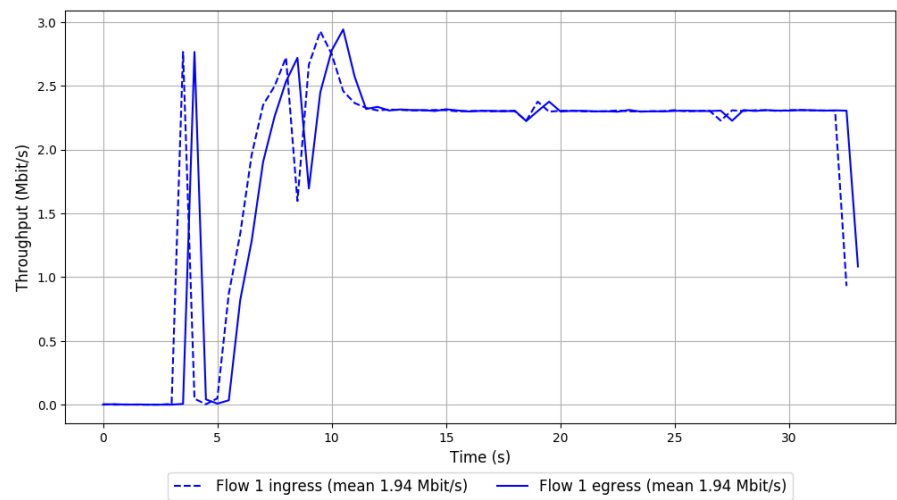
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 53.660 ms

Loss rate: 0.06%

Run 3: Report of WebRTC media — Data Link

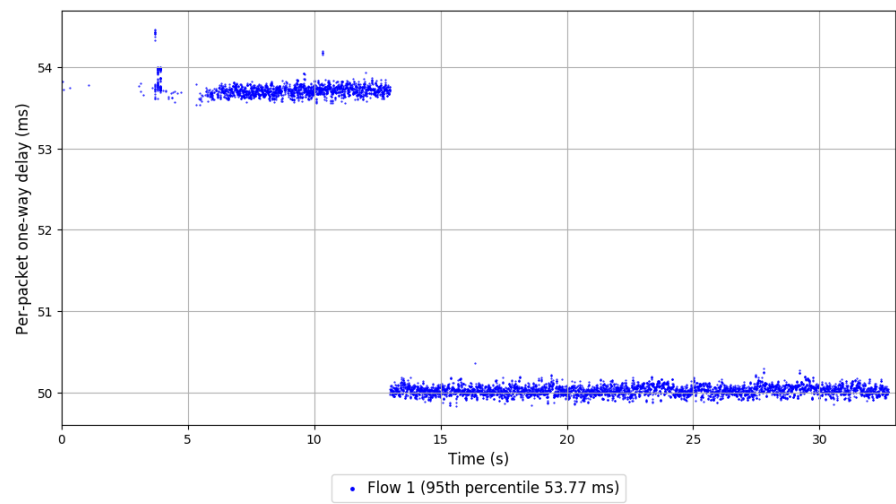
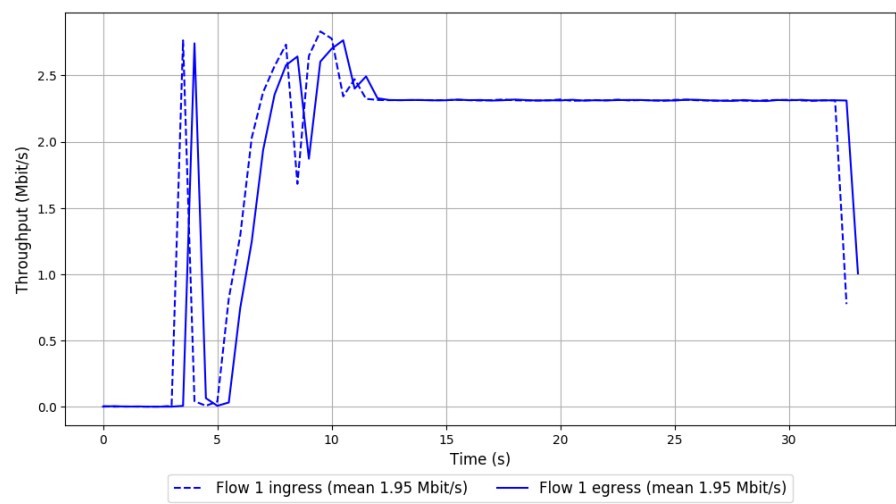


Run 4: Statistics of WebRTC media

Start at: 2018-06-01 05:59:59
End at: 2018-06-01 06:00:29
Local clock offset: -0.16 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-06-01 09:56:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 53.770 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 53.770 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

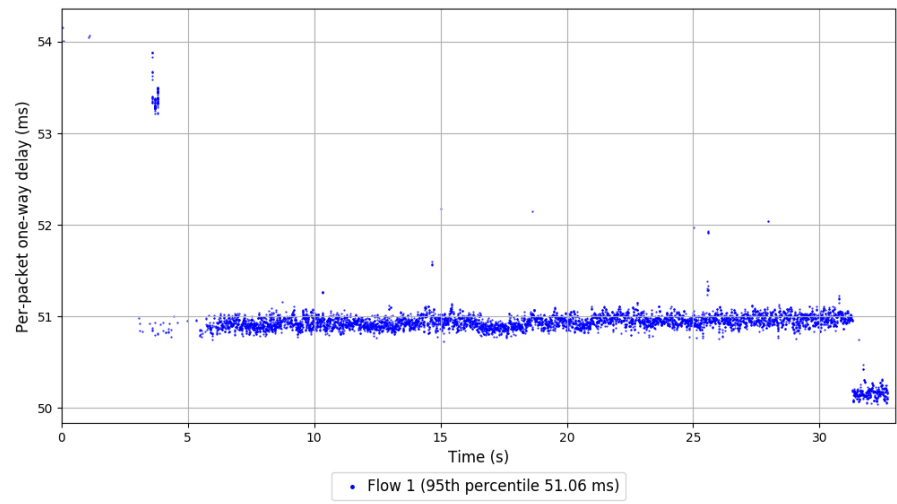
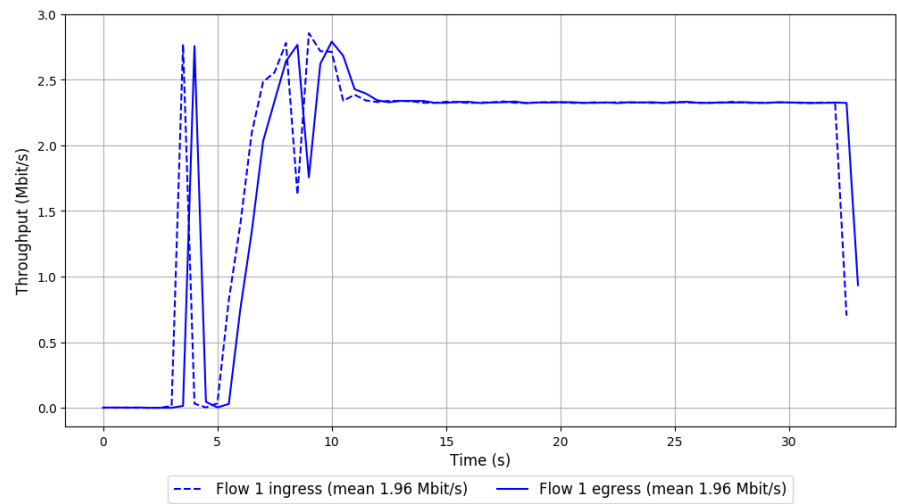


Run 5: Statistics of WebRTC media

Start at: 2018-06-01 06:20:41
End at: 2018-06-01 06:21:11
Local clock offset: -0.338 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-06-01 09:56:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 51.062 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 51.062 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-06-01 06:40:50

End at: 2018-06-01 06:41:20

Local clock offset: -0.13 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2018-06-01 09:56:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 53.917 ms

Loss rate: 0.00%

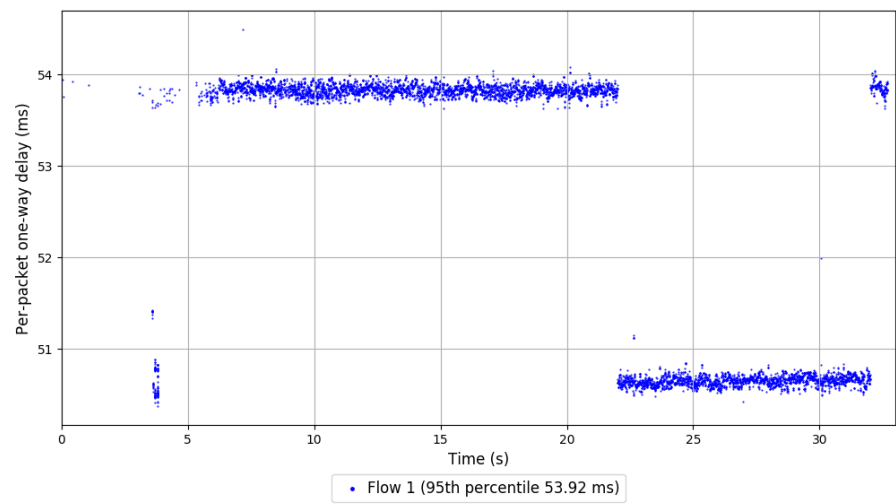
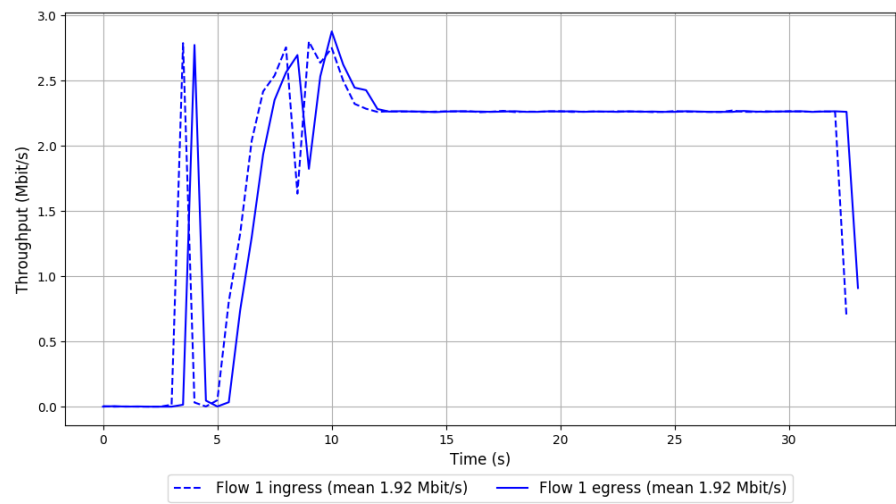
-- Flow 1:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 53.917 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

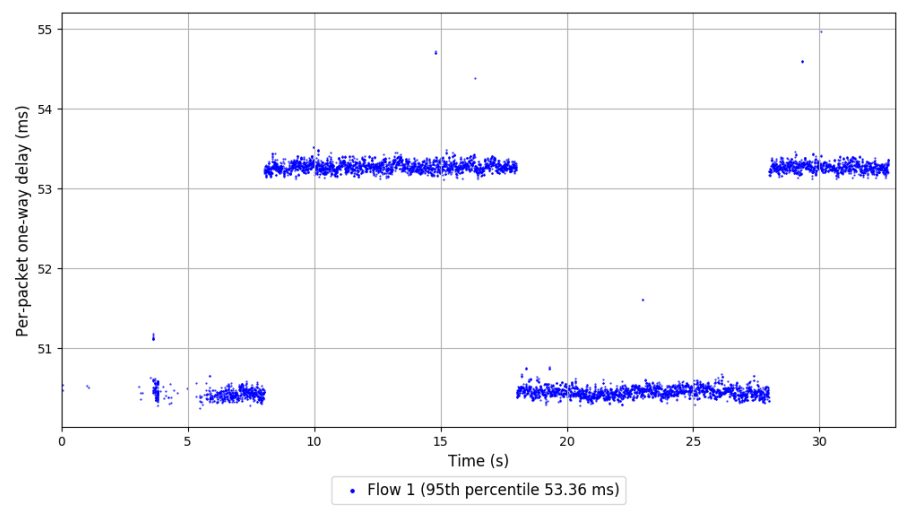
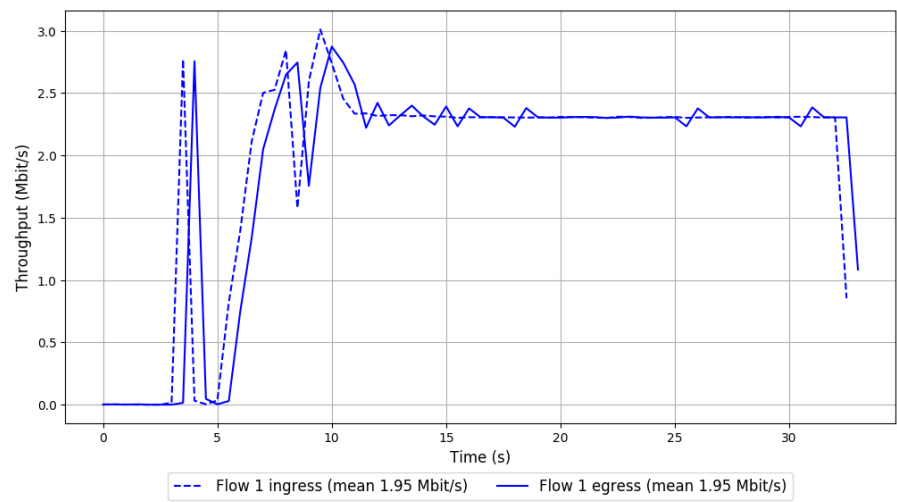


Run 7: Statistics of WebRTC media

Start at: 2018-06-01 07:01:14
End at: 2018-06-01 07:01:44
Local clock offset: -0.098 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-06-01 09:56:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 53.360 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 53.360 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-06-01 07:21:21

End at: 2018-06-01 07:21:51

Local clock offset: -0.1 ms

Remote clock offset: 0.137 ms

Below is generated by plot.py at 2018-06-01 09:56:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 53.954 ms

Loss rate: 0.00%

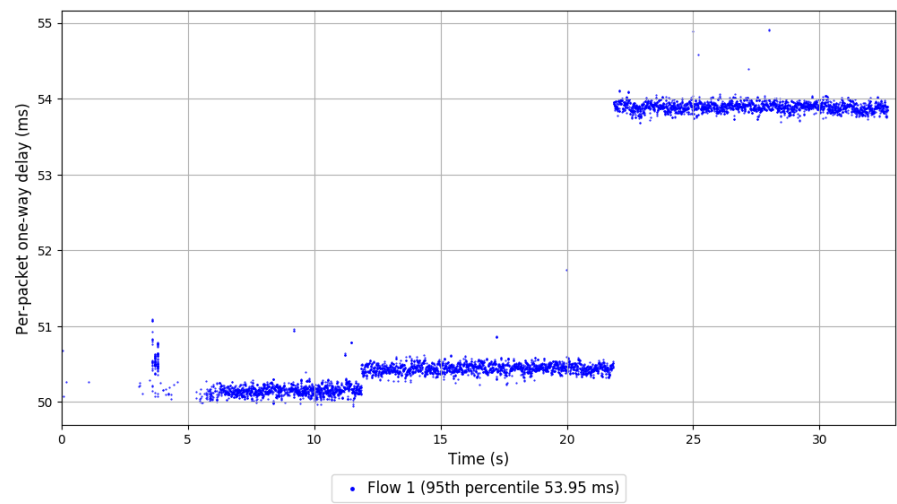
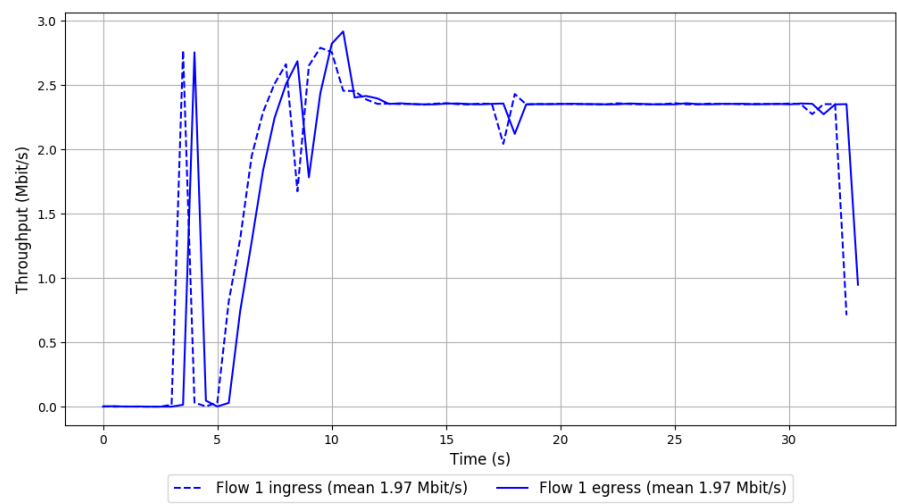
-- Flow 1:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 53.954 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-06-01 07:41:14

End at: 2018-06-01 07:41:44

Local clock offset: -0.165 ms

Remote clock offset: 0.151 ms

Below is generated by plot.py at 2018-06-01 09:56:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.08 Mbit/s

95th percentile per-packet one-way delay: 53.993 ms

Loss rate: 0.00%

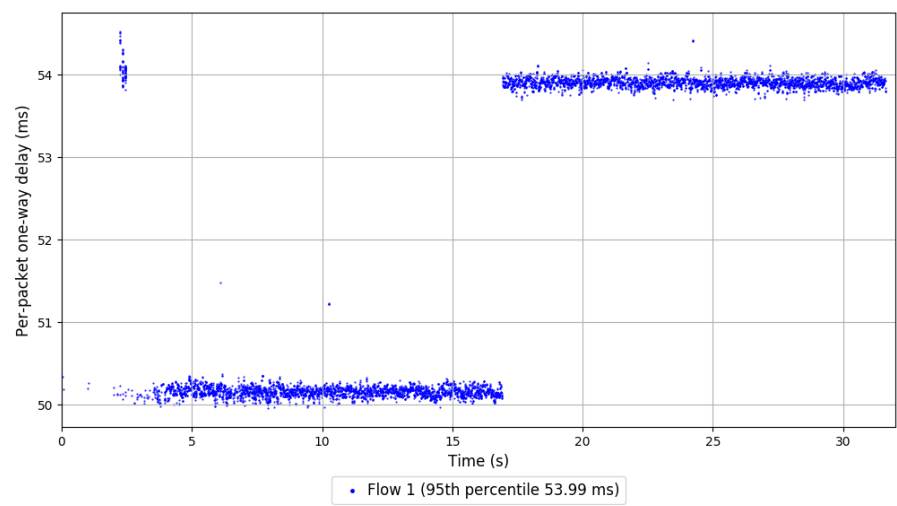
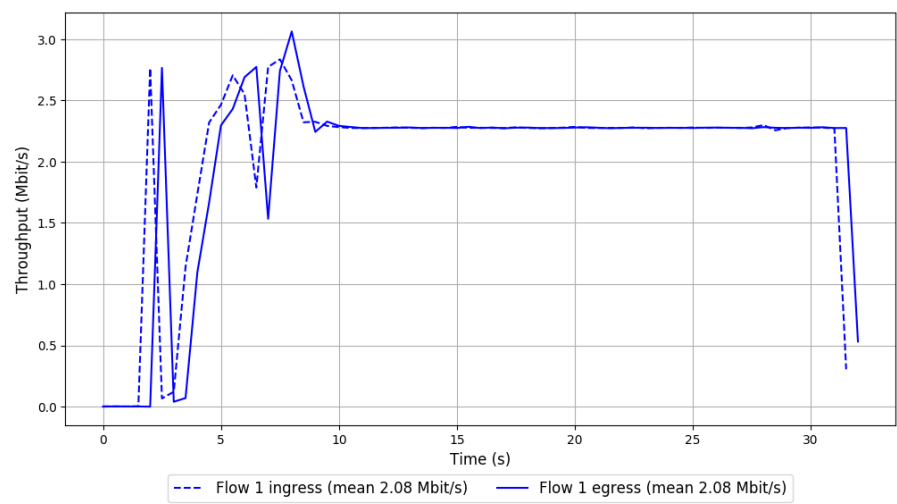
-- Flow 1:

Average throughput: 2.08 Mbit/s

95th percentile per-packet one-way delay: 53.993 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-01 08:02:06

End at: 2018-06-01 08:02:36

Local clock offset: 0.105 ms

Remote clock offset: 0.13 ms

Below is generated by plot.py at 2018-06-01 09:56:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 53.227 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 53.227 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

