

Pantheon Report

Generated at 2018-07-20 07:03:36 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

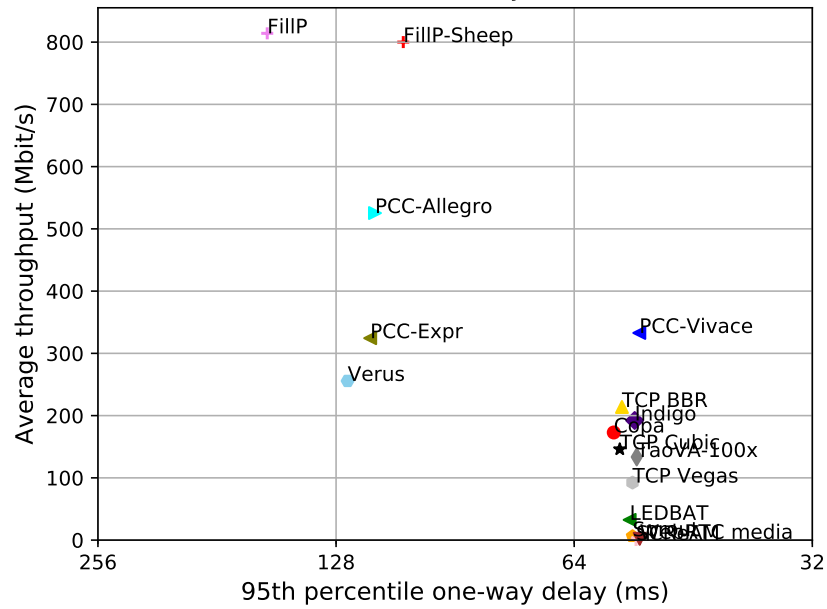
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

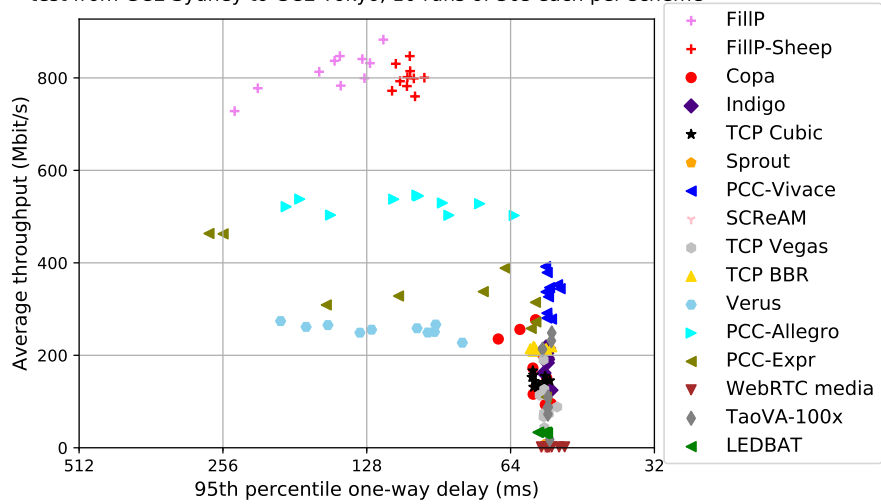
Git summary:

```
branch: master @ f7befc2d8410f41949e0ad8143a9aab40bab7edb
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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	213.87	55.69	0.00
Copa	10	172.87	57.04	0.00
TCP Cubic	10	145.92	56.05	0.00
FillP	10	814.12	156.39	2.15
FillP-Sheep	10	800.06	105.26	0.30
Indigo	10	192.16	53.67	0.00
LEDBAT	10	32.50	54.47	0.01
PCC-Allegro	10	525.41	114.29	0.40
PCC-Expr	10	324.40	115.90	2.91
QUIC Cubic	0	N/A	N/A	N/A
SCReAM	10	0.21	53.46	0.00
Sprout	10	6.29	54.00	0.00
TaoVA-100x	8	133.53	53.35	0.00
TCP Vegas	10	92.42	54.01	0.00
Verus	10	255.72	123.77	0.12
PCC-Vivace	10	332.80	52.95	0.00
WebRTC media	10	2.00	52.89	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-20 01:27:41

End at: 2018-07-20 01:28:11

Local clock offset: -0.07 ms

Remote clock offset: -0.327 ms

Below is generated by plot.py at 2018-07-20 05:15:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.41 Mbit/s

95th percentile per-packet one-way delay: 53.750 ms

Loss rate: 0.00%

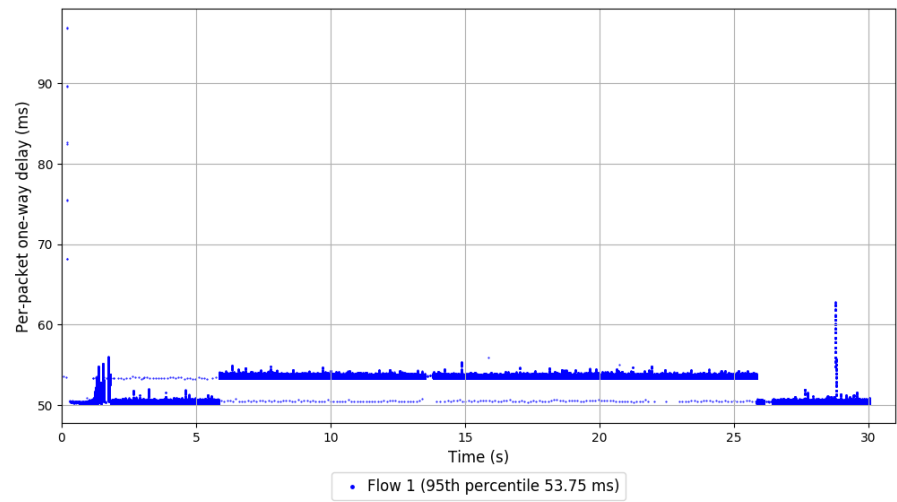
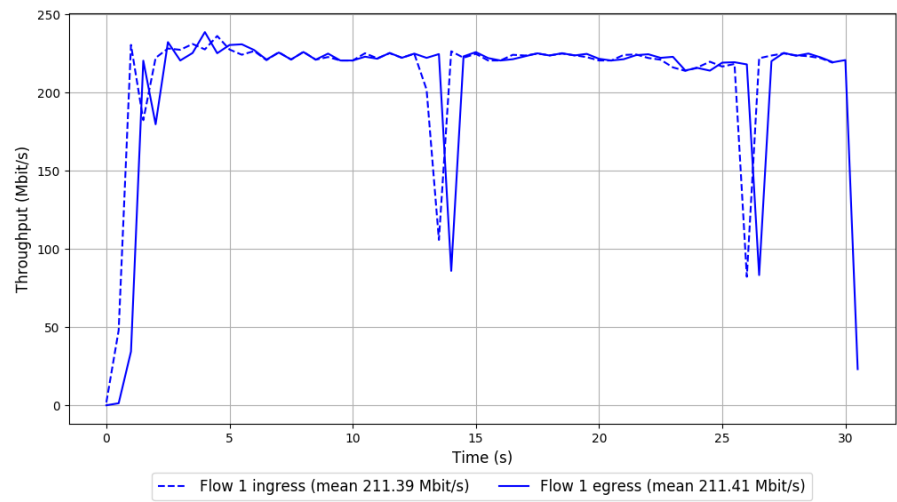
-- Flow 1:

Average throughput: 211.41 Mbit/s

95th percentile per-packet one-way delay: 53.750 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-20 01:49:21

End at: 2018-07-20 01:49:51

Local clock offset: -0.066 ms

Remote clock offset: 0.166 ms

Below is generated by plot.py at 2018-07-20 05:15:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.25 Mbit/s

95th percentile per-packet one-way delay: 57.294 ms

Loss rate: 0.00%

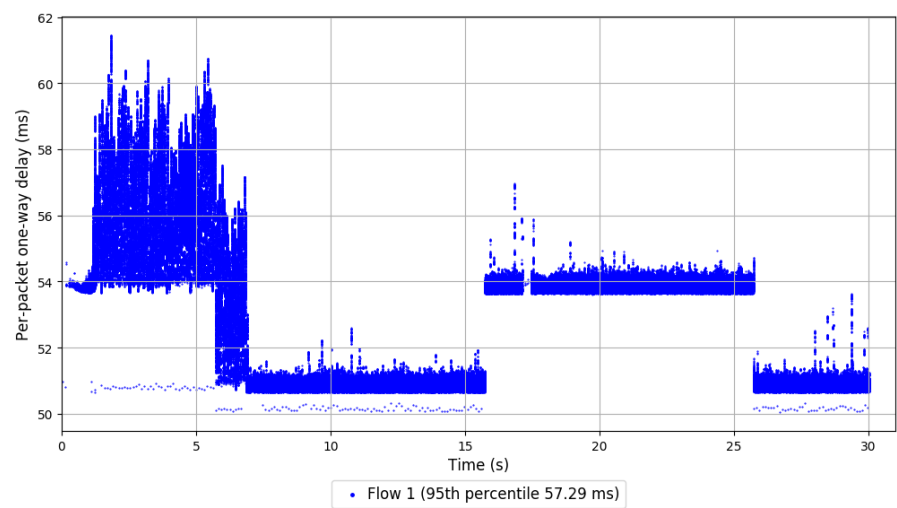
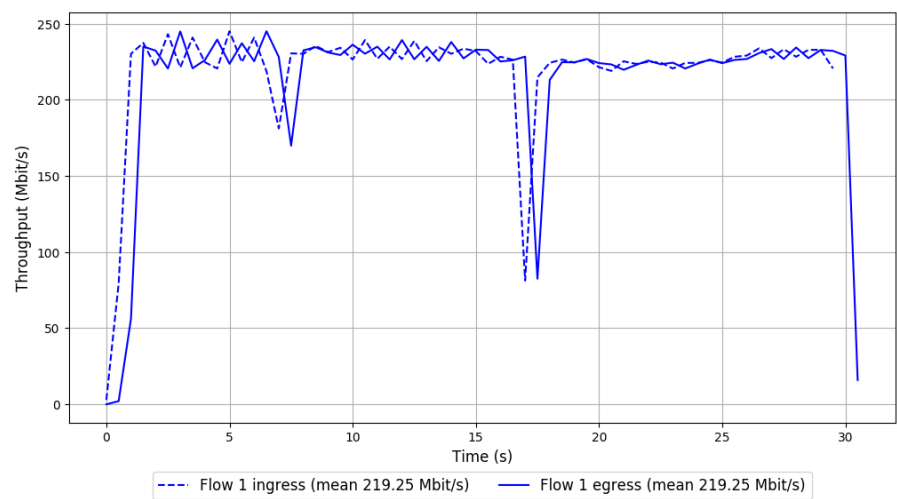
-- Flow 1:

Average throughput: 219.25 Mbit/s

95th percentile per-packet one-way delay: 57.294 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-20 02:11:41

End at: 2018-07-20 02:12:11

Local clock offset: -0.149 ms

Remote clock offset: 1.231 ms

Below is generated by plot.py at 2018-07-20 05:15:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.18 Mbit/s

95th percentile per-packet one-way delay: 58.193 ms

Loss rate: 0.00%

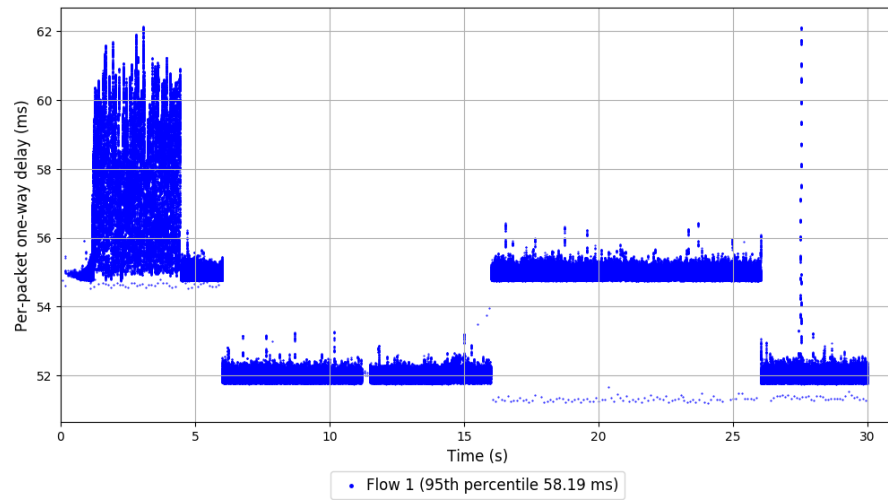
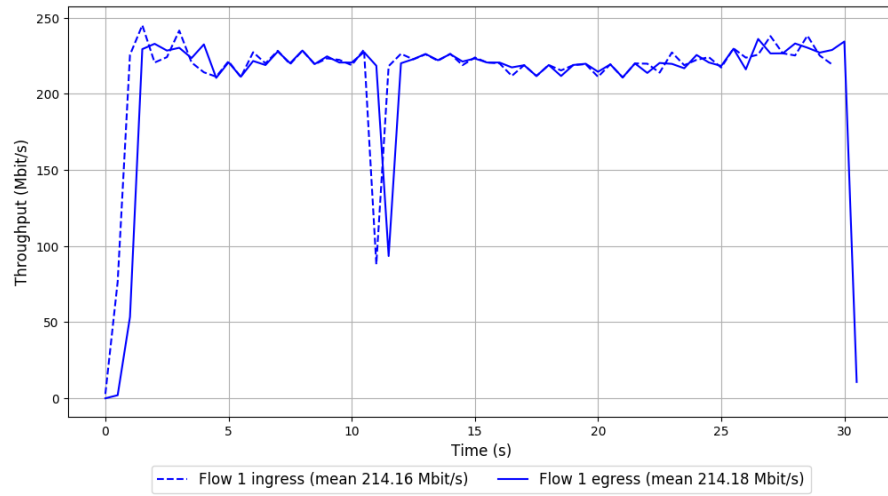
-- Flow 1:

Average throughput: 214.18 Mbit/s

95th percentile per-packet one-way delay: 58.193 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-20 02:34:12

End at: 2018-07-20 02:34:42

Local clock offset: -0.069 ms

Remote clock offset: 0.339 ms

Below is generated by plot.py at 2018-07-20 05:15:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.44 Mbit/s

95th percentile per-packet one-way delay: 54.564 ms

Loss rate: 0.00%

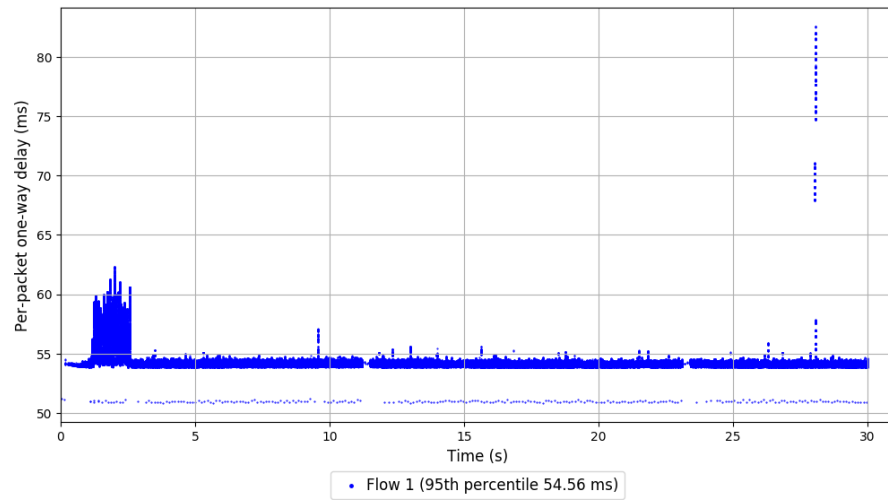
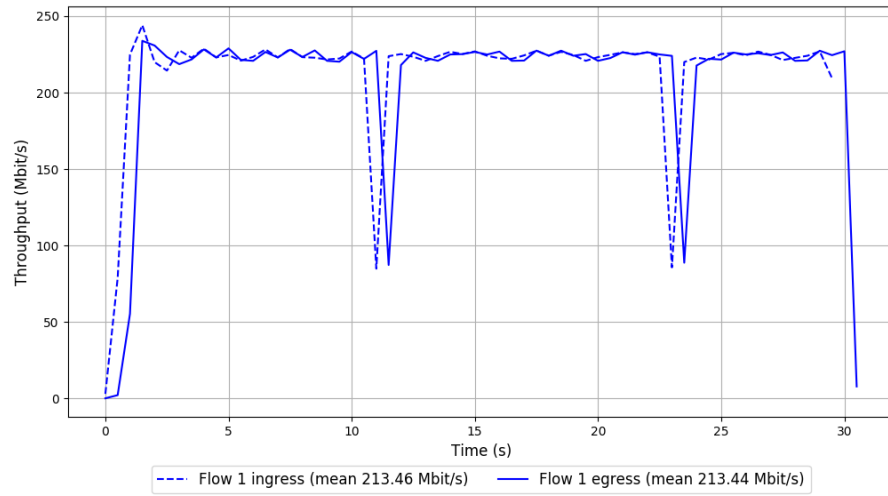
-- Flow 1:

Average throughput: 213.44 Mbit/s

95th percentile per-packet one-way delay: 54.564 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link

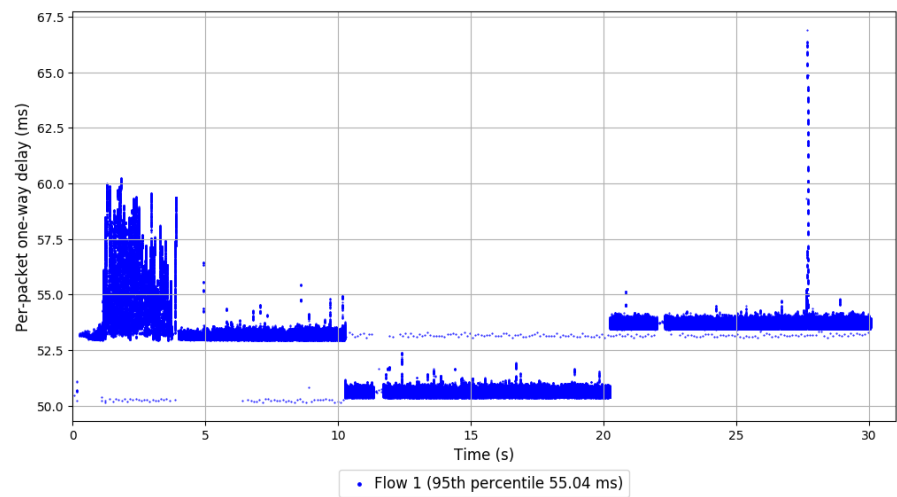
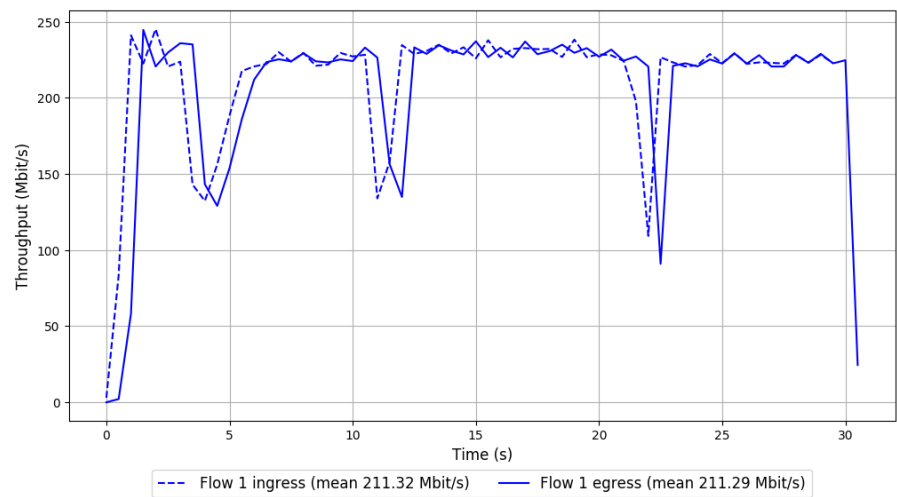


Run 5: Statistics of TCP BBR

Start at: 2018-07-20 02:56:36
End at: 2018-07-20 02:57:06
Local clock offset: 0.092 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-07-20 05:15:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 211.29 Mbit/s
95th percentile per-packet one-way delay: 55.044 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 211.29 Mbit/s
95th percentile per-packet one-way delay: 55.044 ms
Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-20 03:18:32

End at: 2018-07-20 03:19:03

Local clock offset: -0.049 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at 2018-07-20 05:15:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.48 Mbit/s

95th percentile per-packet one-way delay: 53.931 ms

Loss rate: 0.00%

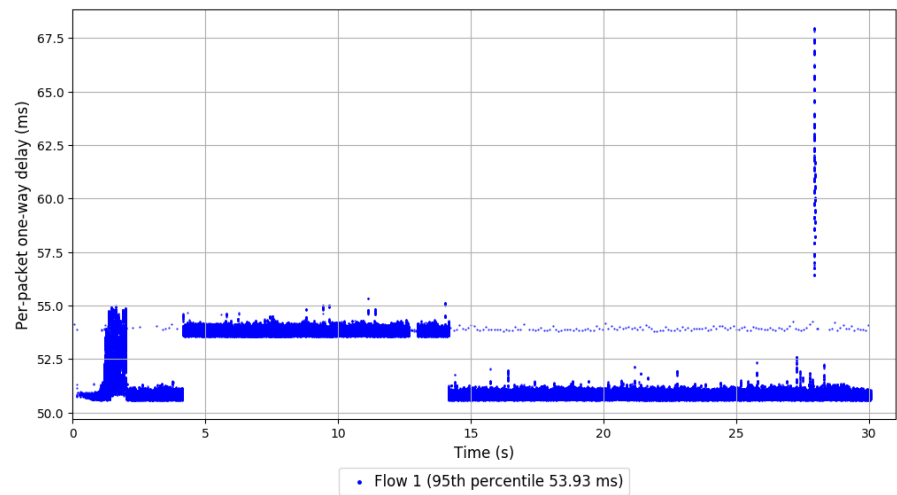
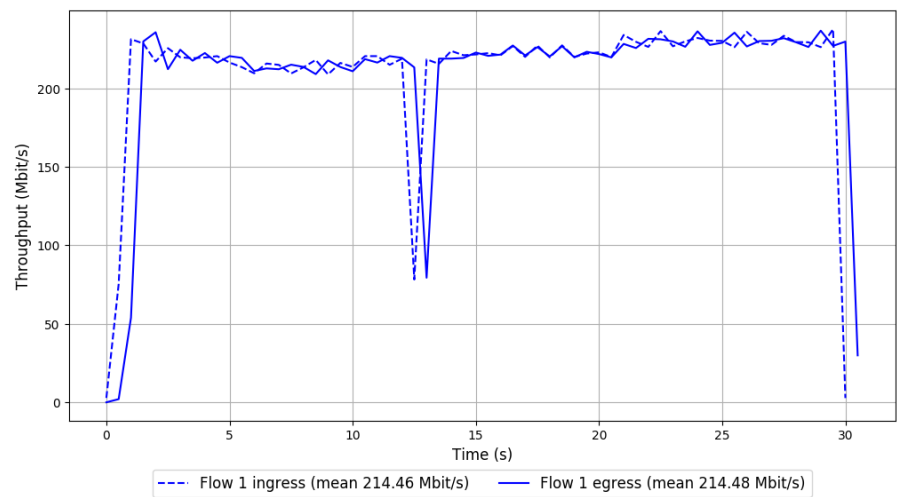
-- Flow 1:

Average throughput: 214.48 Mbit/s

95th percentile per-packet one-way delay: 53.931 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-20 03:40:38

End at: 2018-07-20 03:41:08

Local clock offset: 0.07 ms

Remote clock offset: 0.068 ms

Below is generated by plot.py at 2018-07-20 05:15:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.71 Mbit/s

95th percentile per-packet one-way delay: 57.455 ms

Loss rate: 0.00%

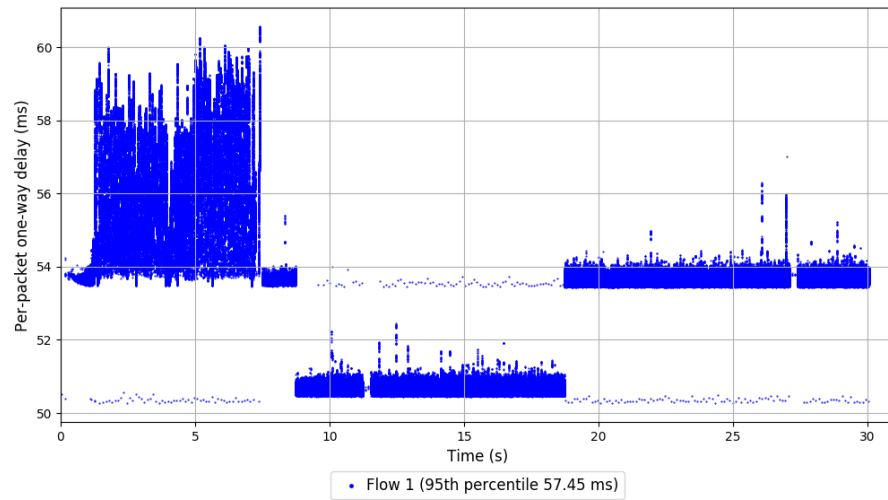
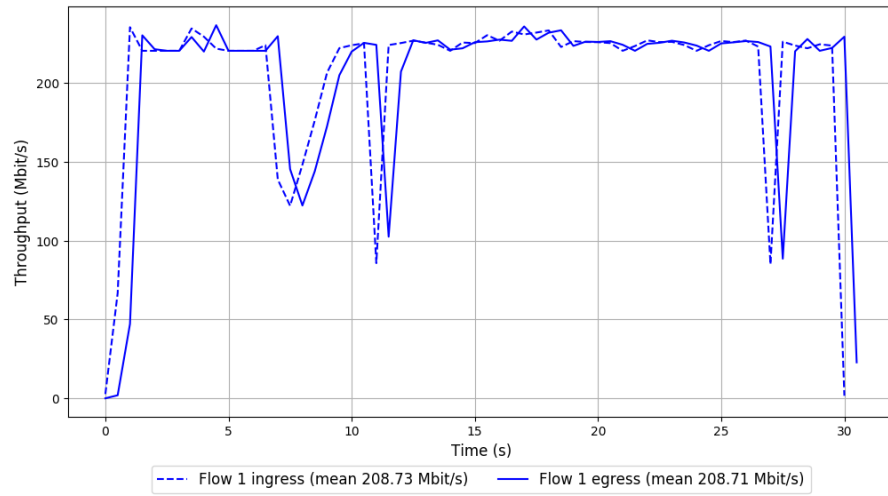
-- Flow 1:

Average throughput: 208.71 Mbit/s

95th percentile per-packet one-way delay: 57.455 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link

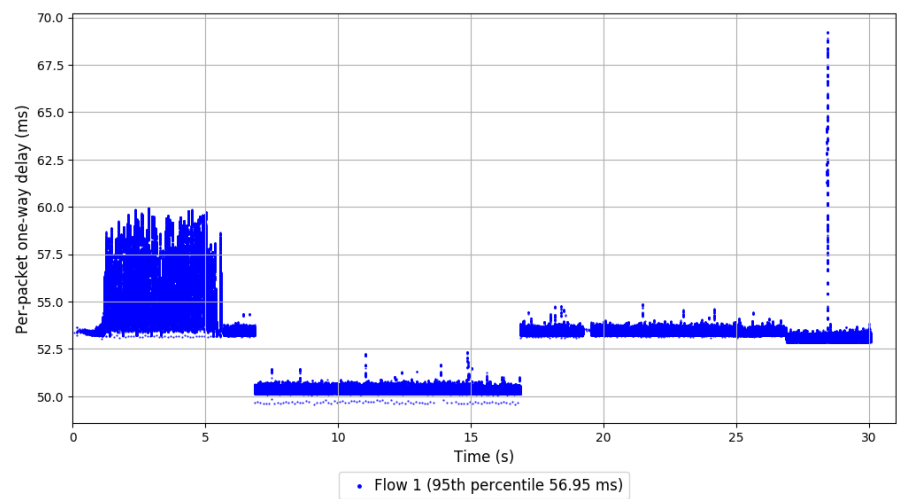
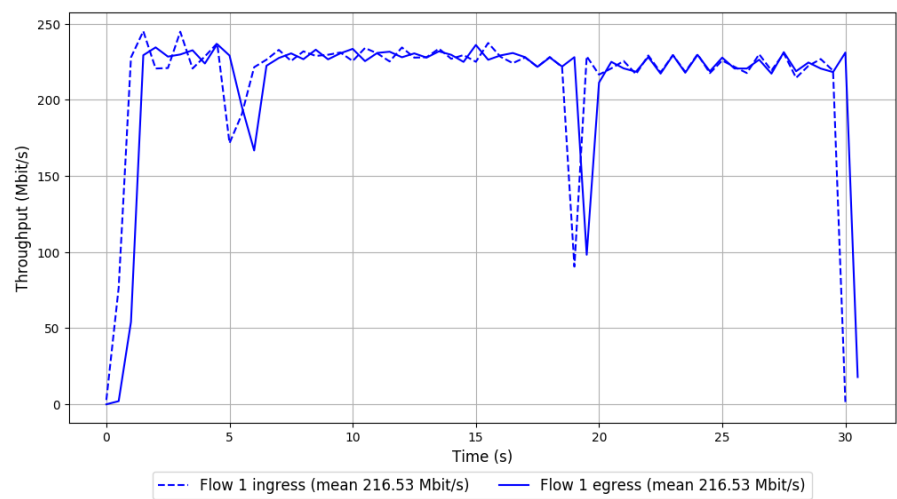


Run 8: Statistics of TCP BBR

Start at: 2018-07-20 04:02:50
End at: 2018-07-20 04:03:20
Local clock offset: -0.077 ms
Remote clock offset: -0.372 ms

Below is generated by plot.py at 2018-07-20 05:15:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.53 Mbit/s
95th percentile per-packet one-way delay: 56.946 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 216.53 Mbit/s
95th percentile per-packet one-way delay: 56.946 ms
Loss rate: 0.01%

Run 8: Report of TCP BBR — Data Link

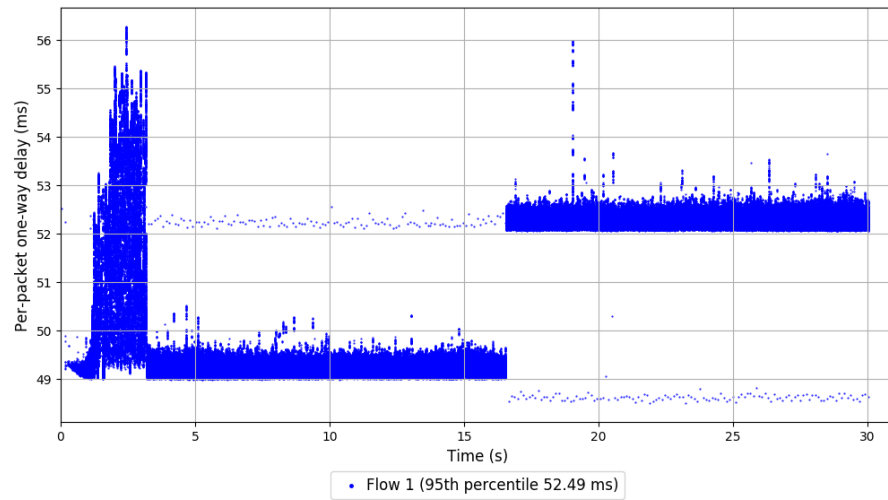
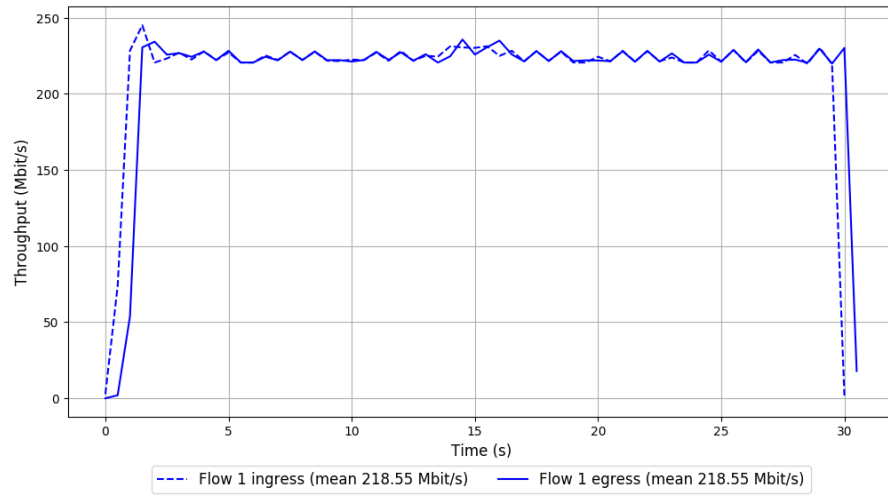


Run 9: Statistics of TCP BBR

Start at: 2018-07-20 04:25:00
End at: 2018-07-20 04:25:30
Local clock offset: 0.026 ms
Remote clock offset: -1.474 ms

Below is generated by plot.py at 2018-07-20 05:18:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 218.55 Mbit/s
95th percentile per-packet one-way delay: 52.495 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 218.55 Mbit/s
95th percentile per-packet one-way delay: 52.495 ms
Loss rate: 0.01%

Run 9: Report of TCP BBR — Data Link

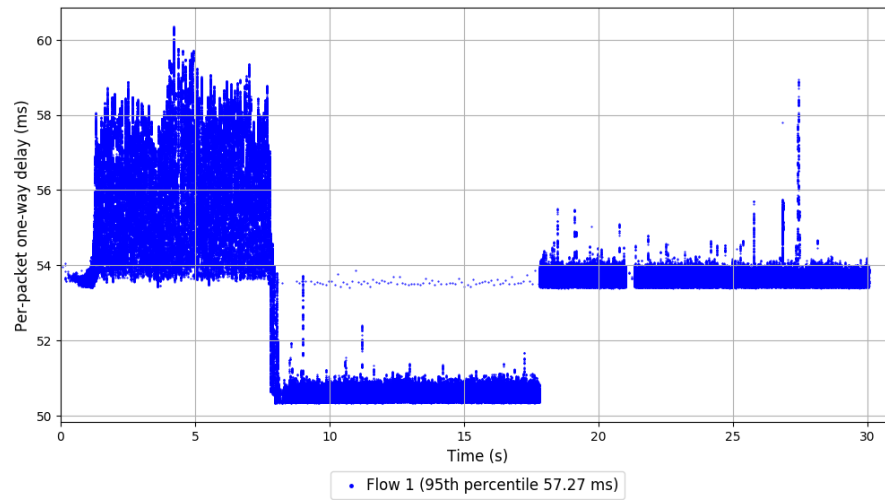
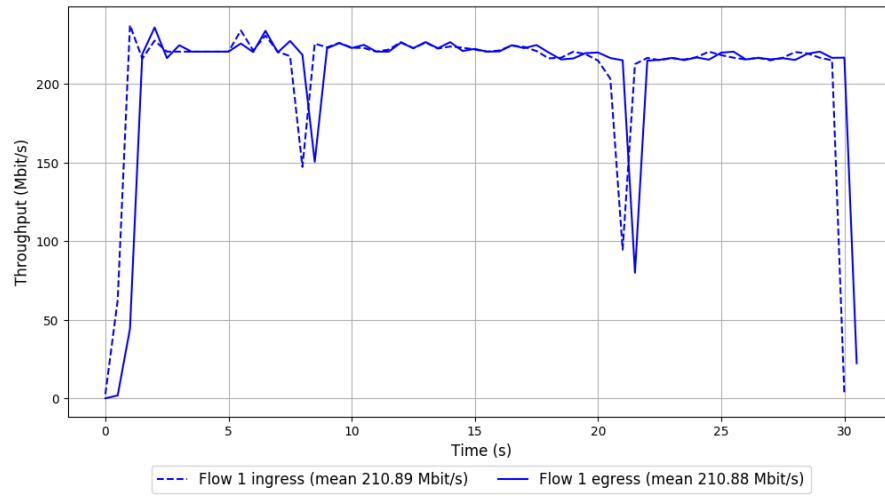


Run 10: Statistics of TCP BBR

Start at: 2018-07-20 04:46:49
End at: 2018-07-20 04:47:19
Local clock offset: 0.001 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-07-20 05:18:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 210.88 Mbit/s
95th percentile per-packet one-way delay: 57.268 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 210.88 Mbit/s
95th percentile per-packet one-way delay: 57.268 ms
Loss rate: 0.01%

Run 10: Report of TCP BBR — Data Link

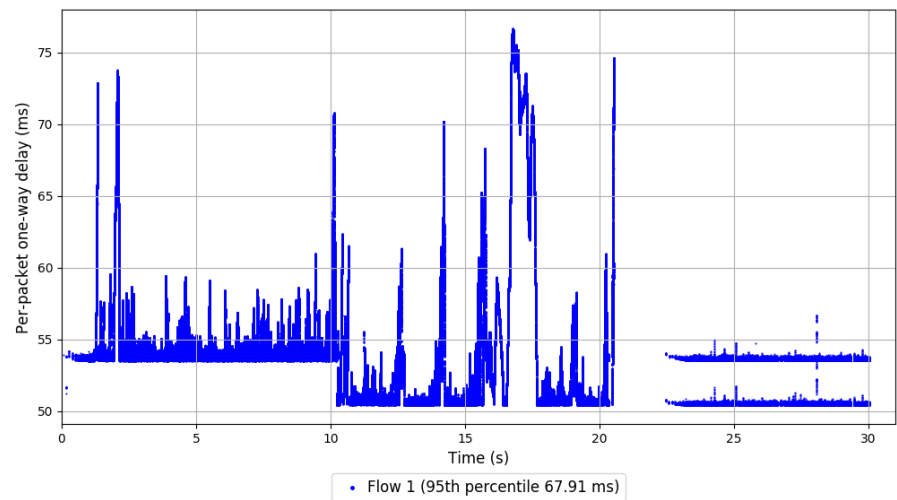
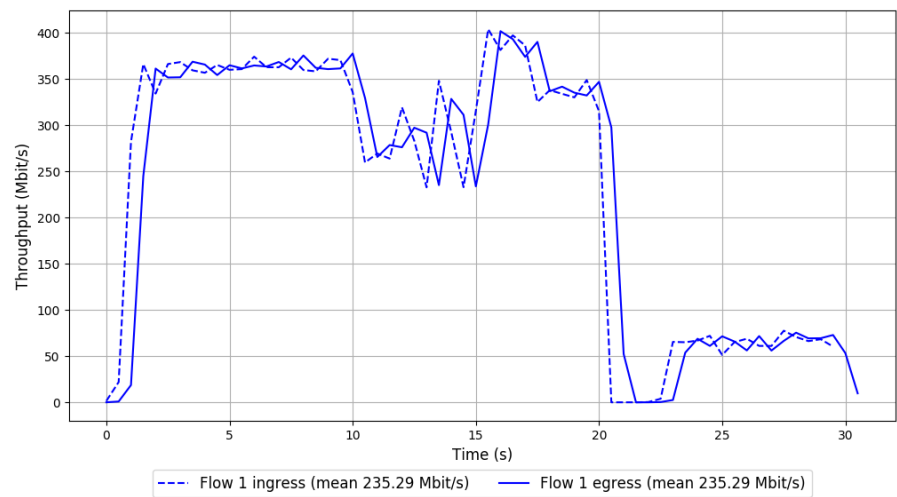


Run 1: Statistics of Copa

Start at: 2018-07-20 01:35:26
End at: 2018-07-20 01:35:56
Local clock offset: -0.178 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-07-20 05:22:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 235.29 Mbit/s
95th percentile per-packet one-way delay: 67.911 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 235.29 Mbit/s
95th percentile per-packet one-way delay: 67.911 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

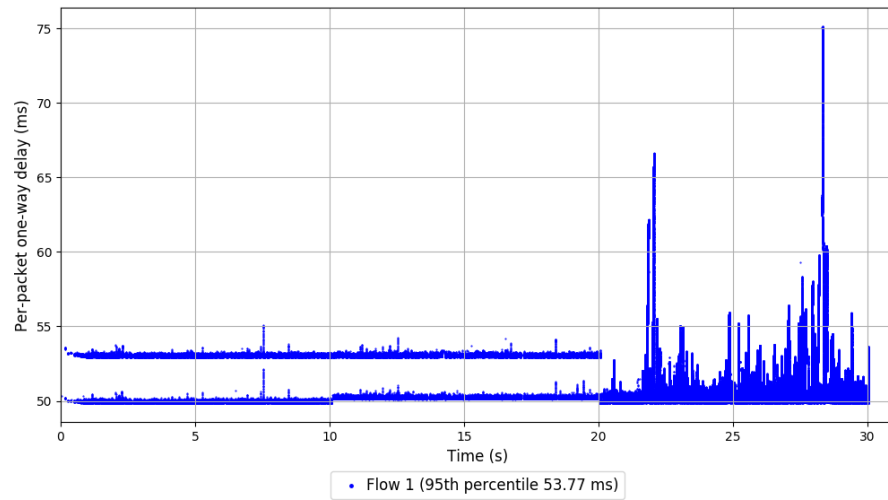
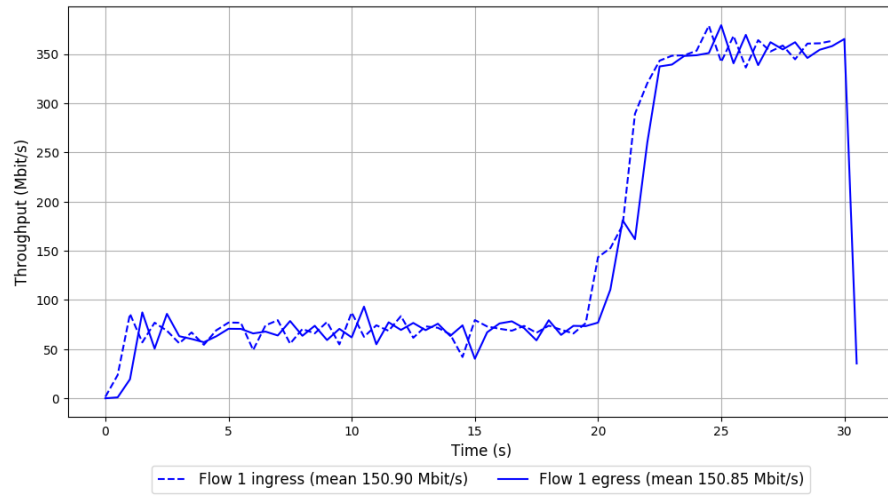


Run 2: Statistics of Copa

Start at: 2018-07-20 01:57:47
End at: 2018-07-20 01:58:17
Local clock offset: -0.009 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2018-07-20 05:22:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 150.85 Mbit/s
95th percentile per-packet one-way delay: 53.775 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 150.85 Mbit/s
95th percentile per-packet one-way delay: 53.775 ms
Loss rate: 0.03%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-20 02:20:05

End at: 2018-07-20 02:20:35

Local clock offset: -0.002 ms

Remote clock offset: 0.061 ms

Below is generated by plot.py at 2018-07-20 05:24:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 276.96 Mbit/s

95th percentile per-packet one-way delay: 56.738 ms

Loss rate: 0.00%

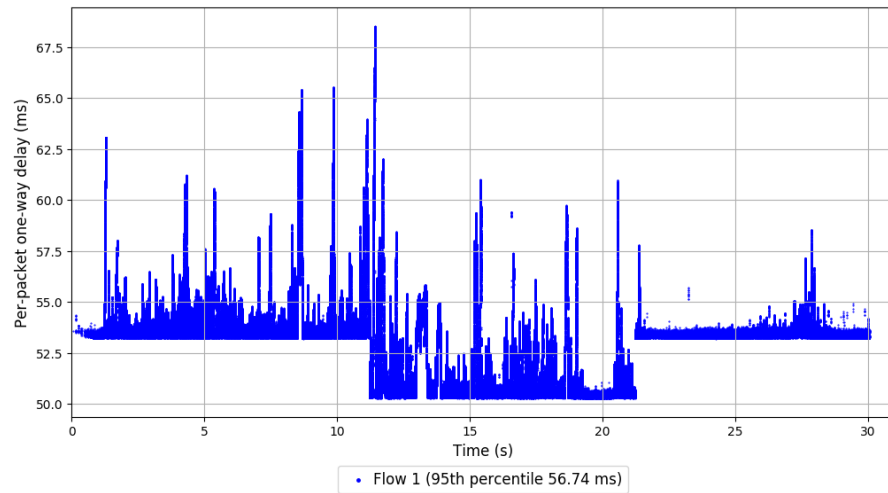
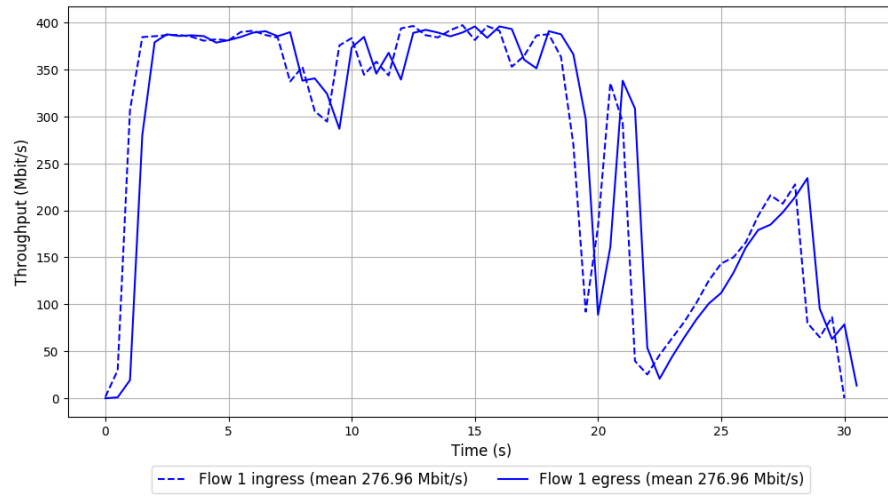
-- Flow 1:

Average throughput: 276.96 Mbit/s

95th percentile per-packet one-way delay: 56.738 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-20 02:42:31

End at: 2018-07-20 02:43:01

Local clock offset: 0.15 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-07-20 05:24:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 203.24 Mbit/s

95th percentile per-packet one-way delay: 54.982 ms

Loss rate: 0.00%

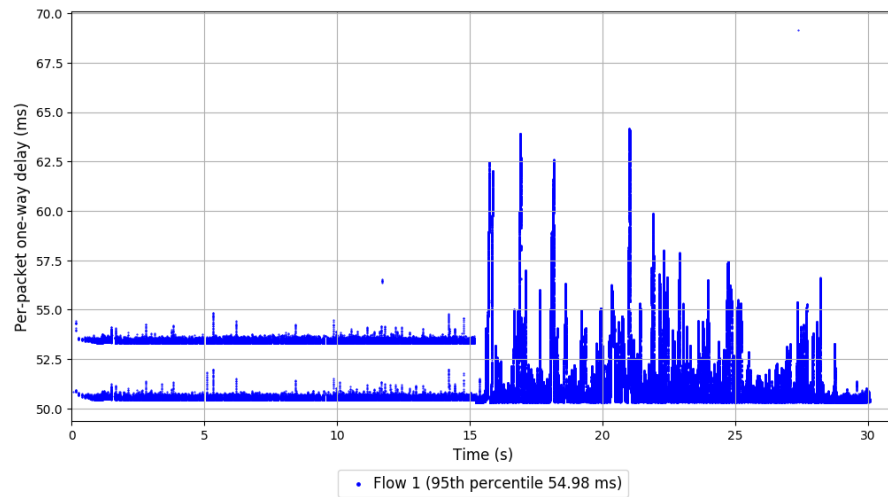
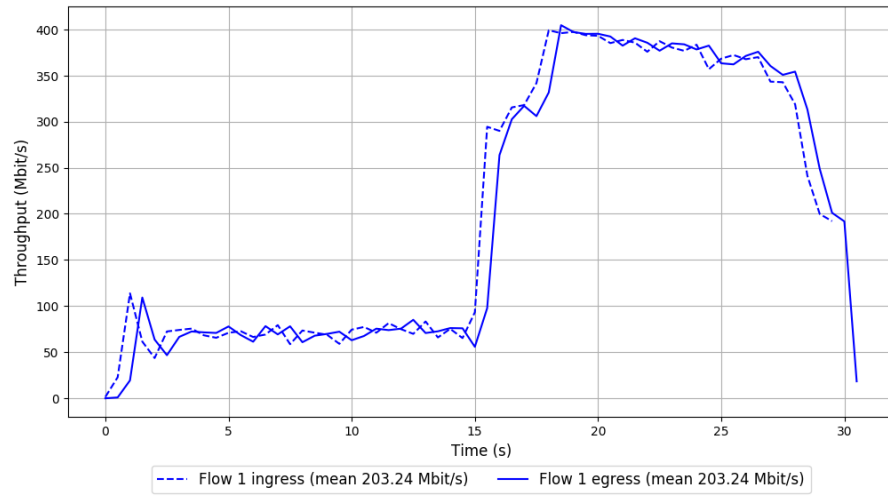
-- Flow 1:

Average throughput: 203.24 Mbit/s

95th percentile per-packet one-way delay: 54.982 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link

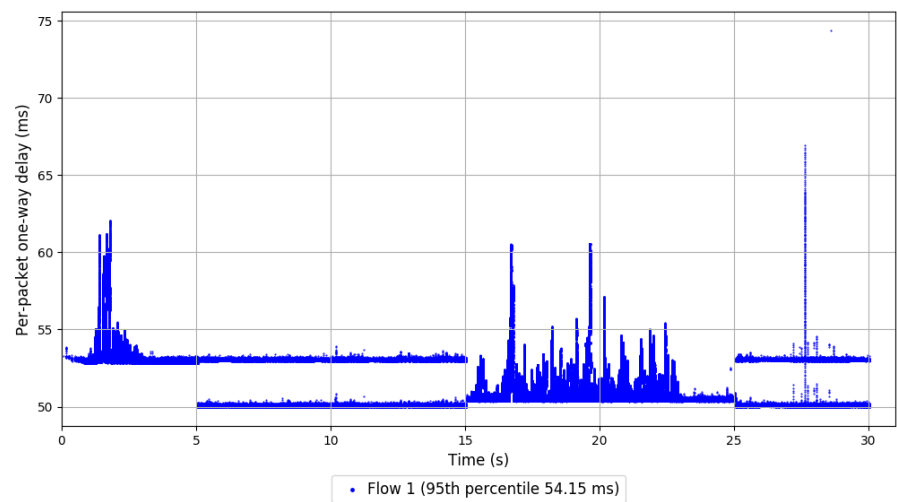
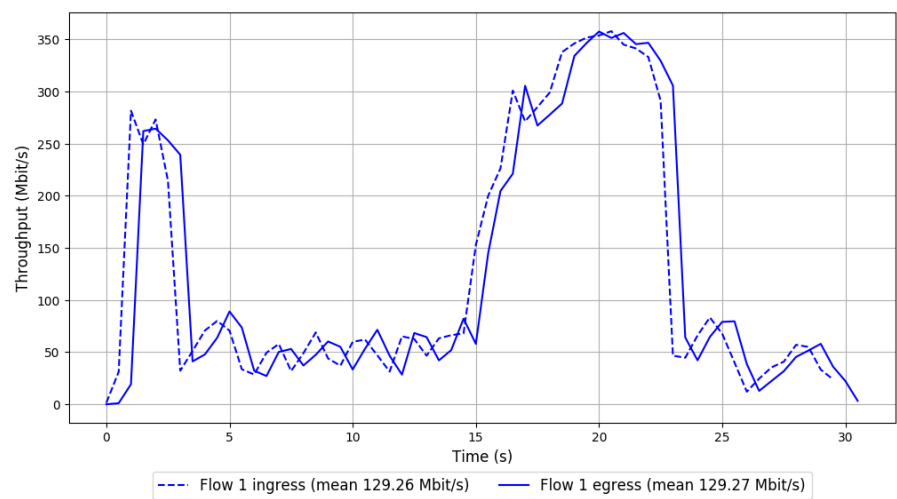


Run 5: Statistics of Copa

Start at: 2018-07-20 03:04:42
End at: 2018-07-20 03:05:12
Local clock offset: -0.052 ms
Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-07-20 05:24:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 129.27 Mbit/s
95th percentile per-packet one-way delay: 54.150 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 129.27 Mbit/s
95th percentile per-packet one-way delay: 54.150 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

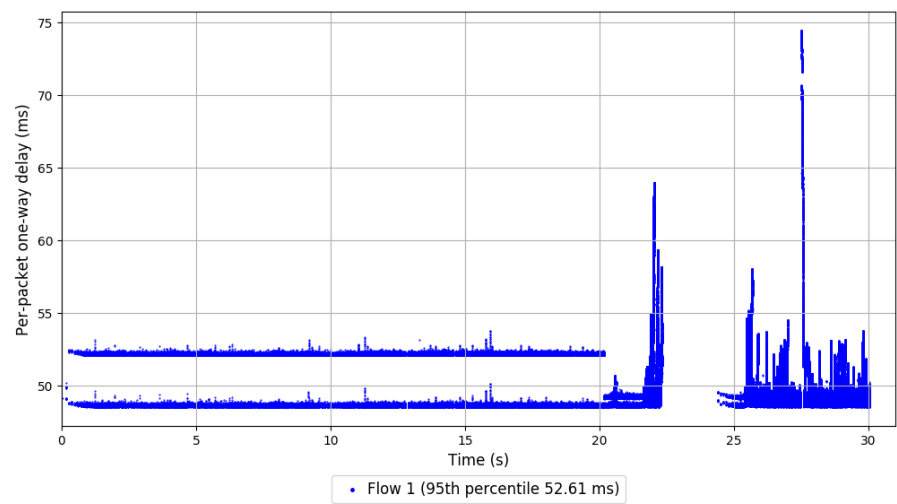
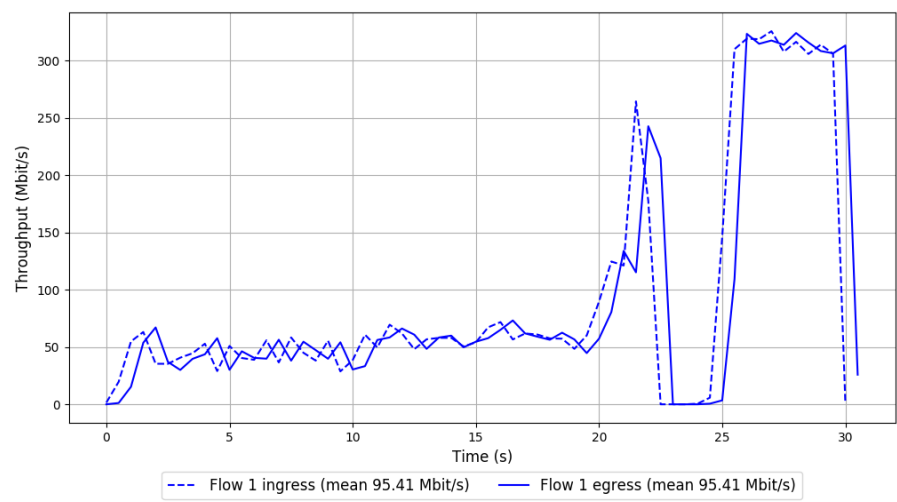


Run 6: Statistics of Copa

Start at: 2018-07-20 03:26:46
End at: 2018-07-20 03:27:16
Local clock offset: 0.079 ms
Remote clock offset: -1.287 ms

Below is generated by plot.py at 2018-07-20 05:24:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.41 Mbit/s
95th percentile per-packet one-way delay: 52.607 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.41 Mbit/s
95th percentile per-packet one-way delay: 52.607 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

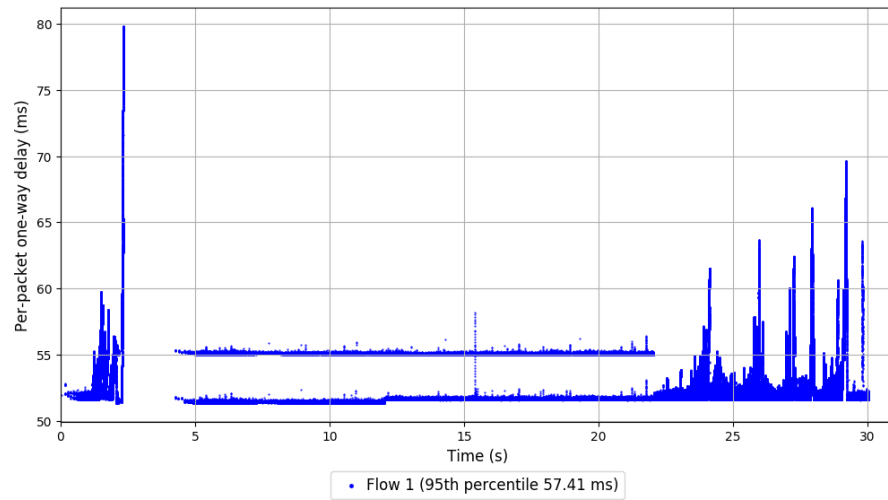
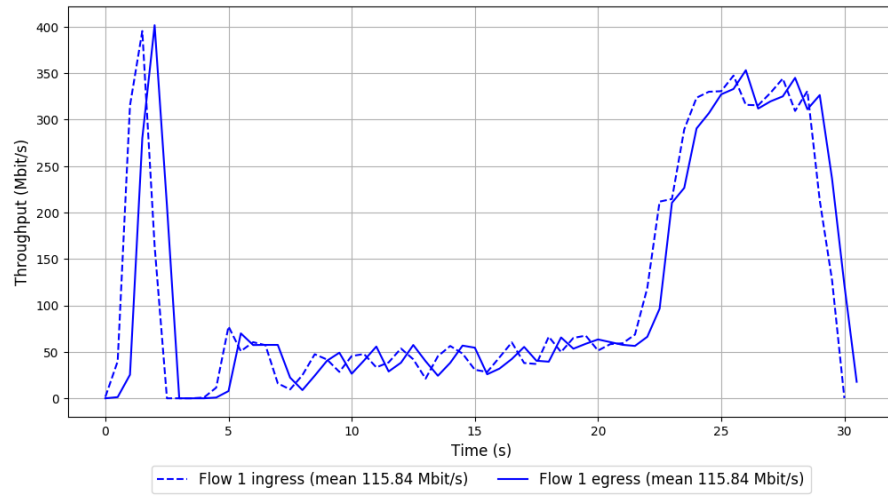


Run 7: Statistics of Copa

Start at: 2018-07-20 03:48:55
End at: 2018-07-20 03:49:25
Local clock offset: -0.222 ms
Remote clock offset: 1.312 ms

Below is generated by plot.py at 2018-07-20 05:24:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 115.84 Mbit/s
95th percentile per-packet one-way delay: 57.406 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 115.84 Mbit/s
95th percentile per-packet one-way delay: 57.406 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

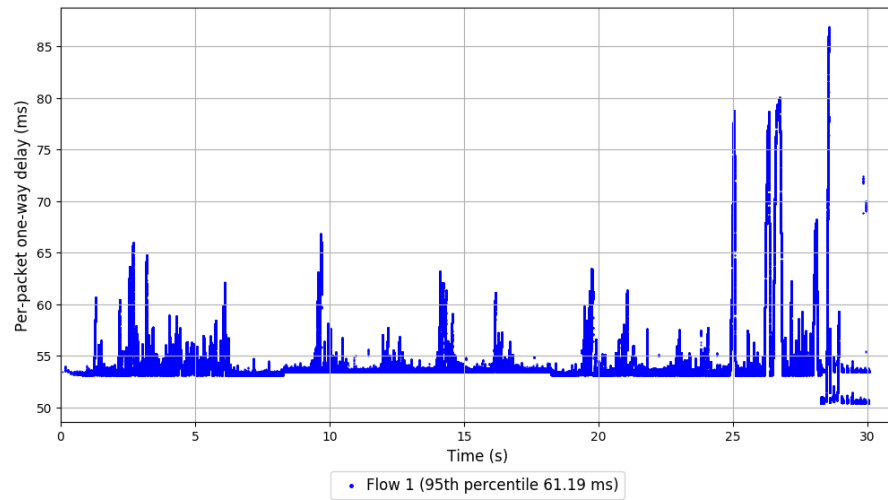
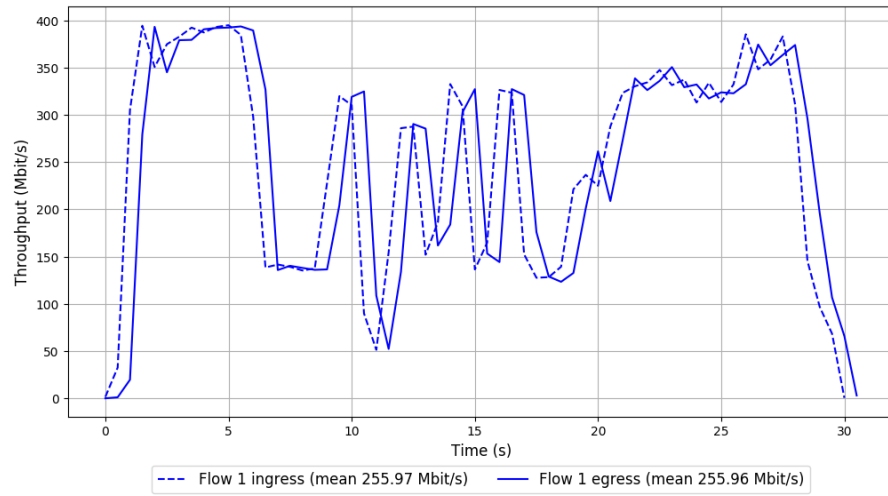


Run 8: Statistics of Copa

Start at: 2018-07-20 04:10:58
End at: 2018-07-20 04:11:28
Local clock offset: -0.032 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-20 05:27:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 255.96 Mbit/s
95th percentile per-packet one-way delay: 61.190 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 255.96 Mbit/s
95th percentile per-packet one-way delay: 61.190 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

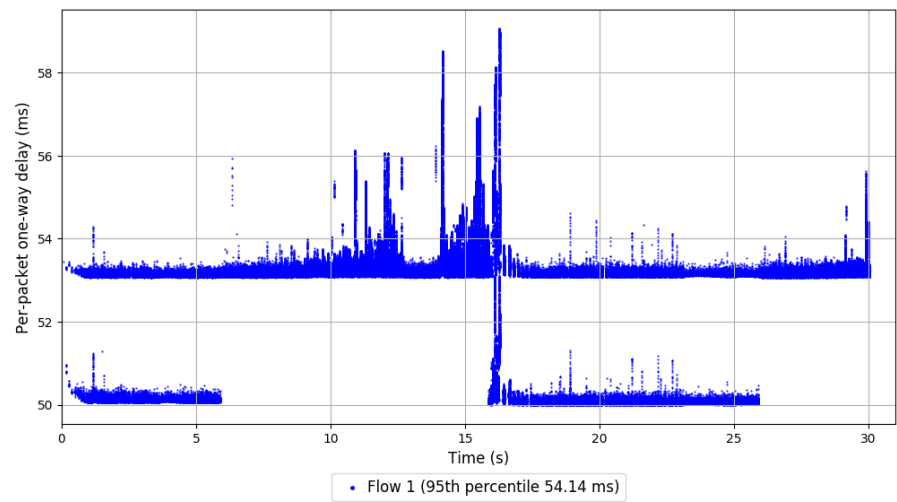
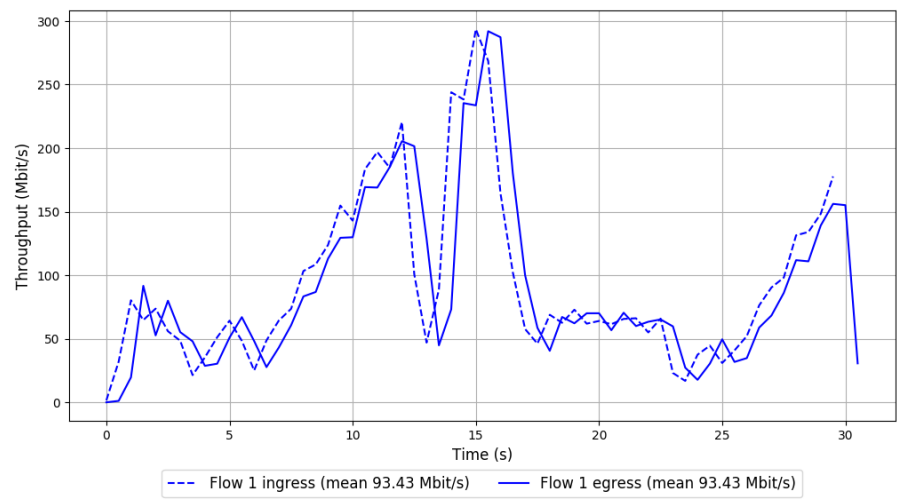


Run 9: Statistics of Copa

Start at: 2018-07-20 04:33:01
End at: 2018-07-20 04:33:31
Local clock offset: 0.361 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-07-20 05:27:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.43 Mbit/s
95th percentile per-packet one-way delay: 54.142 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.43 Mbit/s
95th percentile per-packet one-way delay: 54.142 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

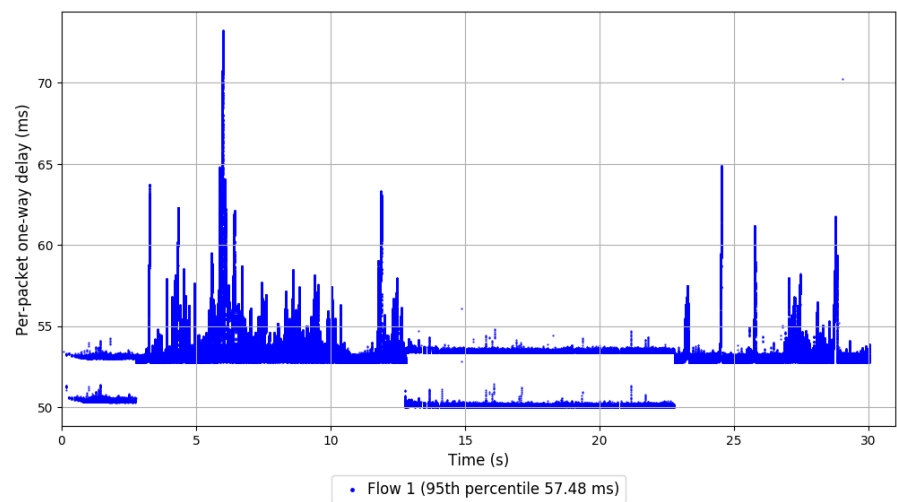
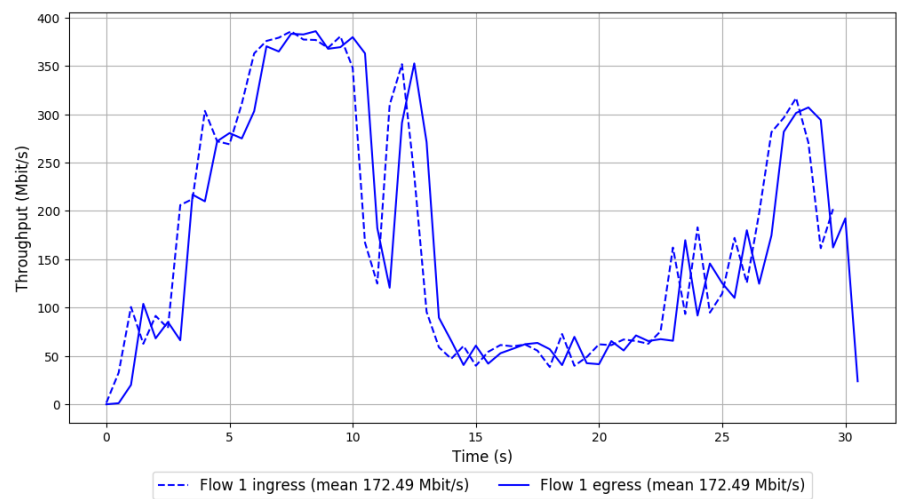


Run 10: Statistics of Copa

Start at: 2018-07-20 04:55:04
End at: 2018-07-20 04:55:34
Local clock offset: -0.177 ms
Remote clock offset: -0.265 ms

Below is generated by plot.py at 2018-07-20 05:27:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 172.49 Mbit/s
95th percentile per-packet one-way delay: 57.479 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 172.49 Mbit/s
95th percentile per-packet one-way delay: 57.479 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-20 01:26:28

End at: 2018-07-20 01:26:58

Local clock offset: 0.1 ms

Remote clock offset: -1.354 ms

Below is generated by plot.py at 2018-07-20 05:27:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 145.17 Mbit/s

95th percentile per-packet one-way delay: 52.979 ms

Loss rate: 0.00%

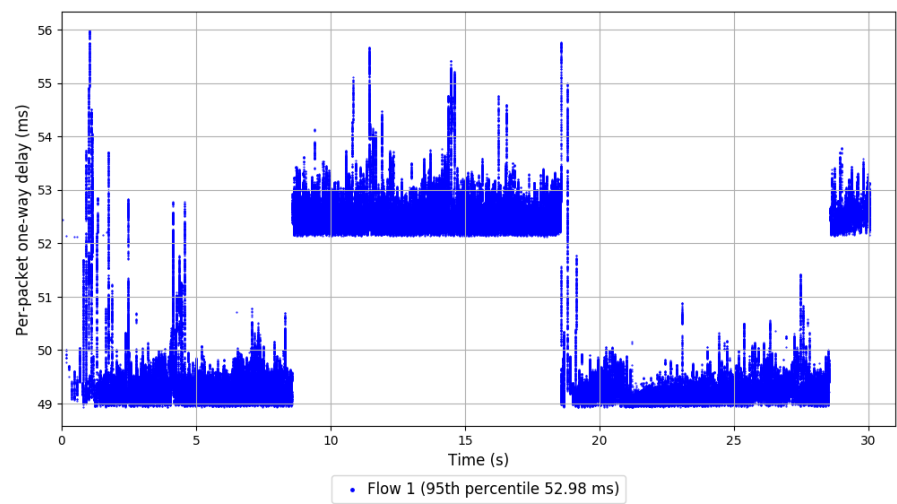
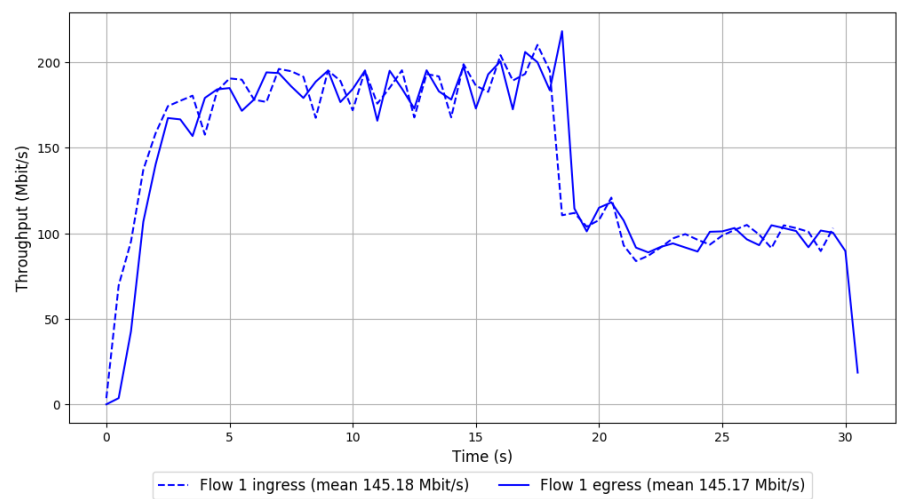
-- Flow 1:

Average throughput: 145.17 Mbit/s

95th percentile per-packet one-way delay: 52.979 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

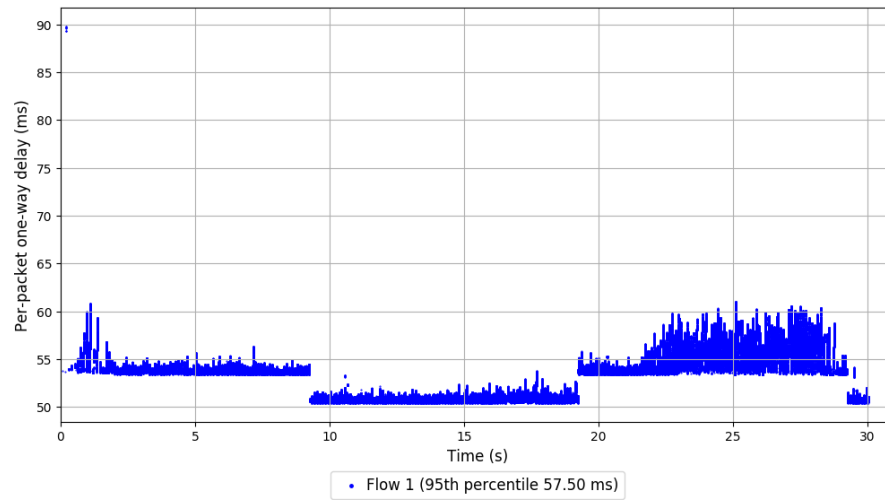
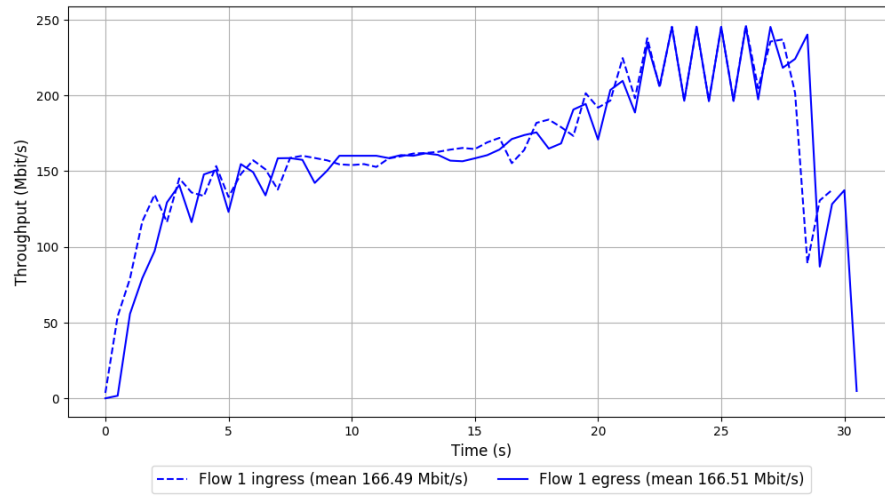


Run 2: Statistics of TCP Cubic

Start at: 2018-07-20 01:48:07
End at: 2018-07-20 01:48:37
Local clock offset: -0.047 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-20 05:27:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 166.51 Mbit/s
95th percentile per-packet one-way delay: 57.503 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 166.51 Mbit/s
95th percentile per-packet one-way delay: 57.503 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

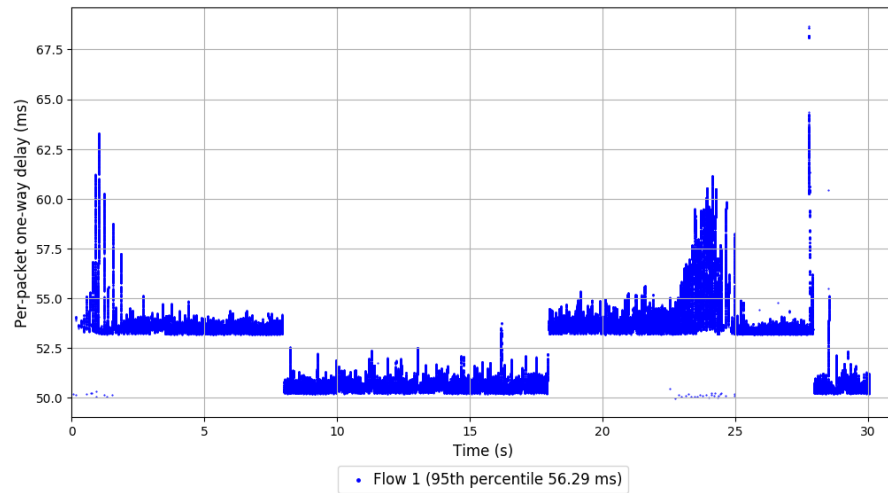
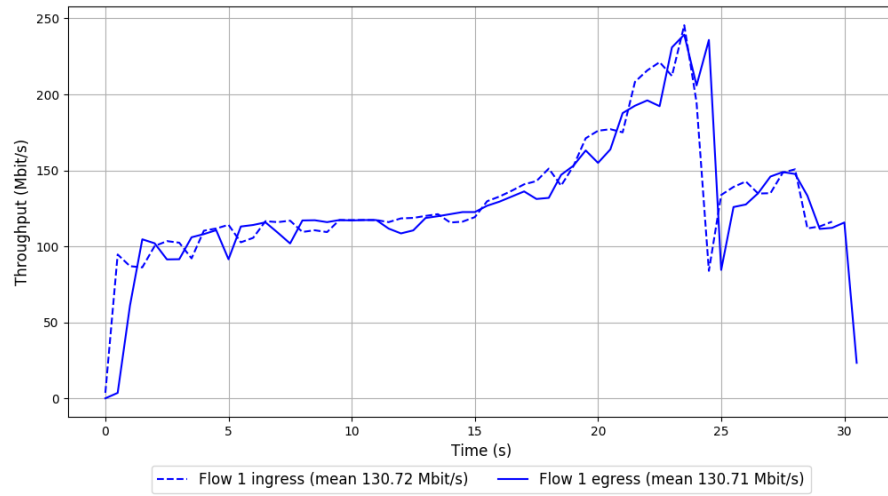


Run 3: Statistics of TCP Cubic

Start at: 2018-07-20 02:10:29
End at: 2018-07-20 02:10:59
Local clock offset: -0.269 ms
Remote clock offset: -0.429 ms

Below is generated by plot.py at 2018-07-20 05:27:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 130.71 Mbit/s
95th percentile per-packet one-way delay: 56.289 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 130.71 Mbit/s
95th percentile per-packet one-way delay: 56.289 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-20 02:32:59

End at: 2018-07-20 02:33:29

Local clock offset: -0.075 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2018-07-20 05:27:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 141.62 Mbit/s

95th percentile per-packet one-way delay: 54.337 ms

Loss rate: 0.00%

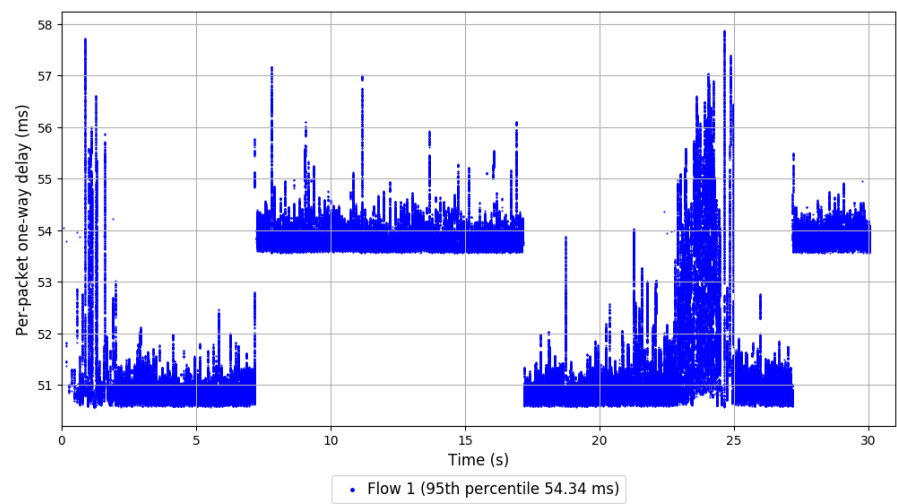
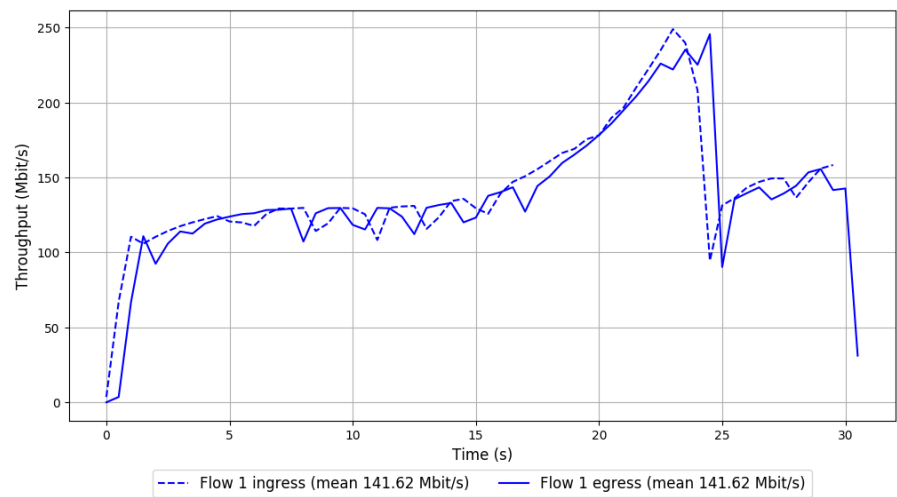
-- Flow 1:

Average throughput: 141.62 Mbit/s

95th percentile per-packet one-way delay: 54.337 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link

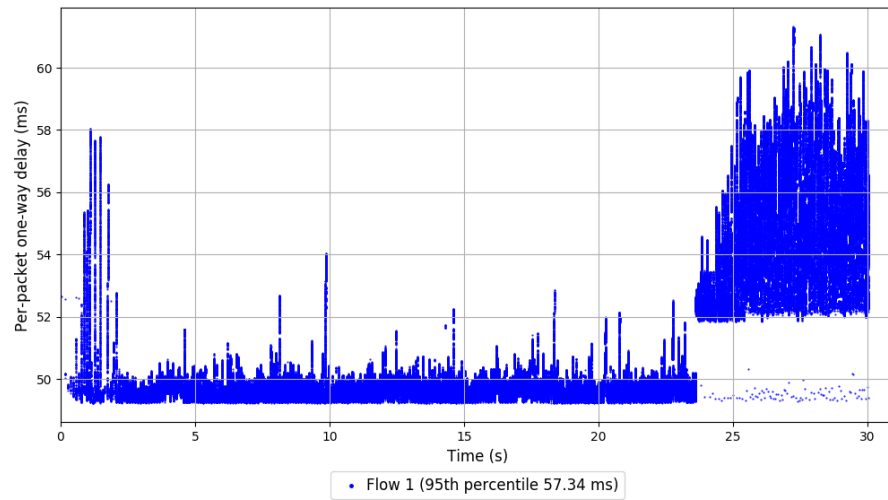
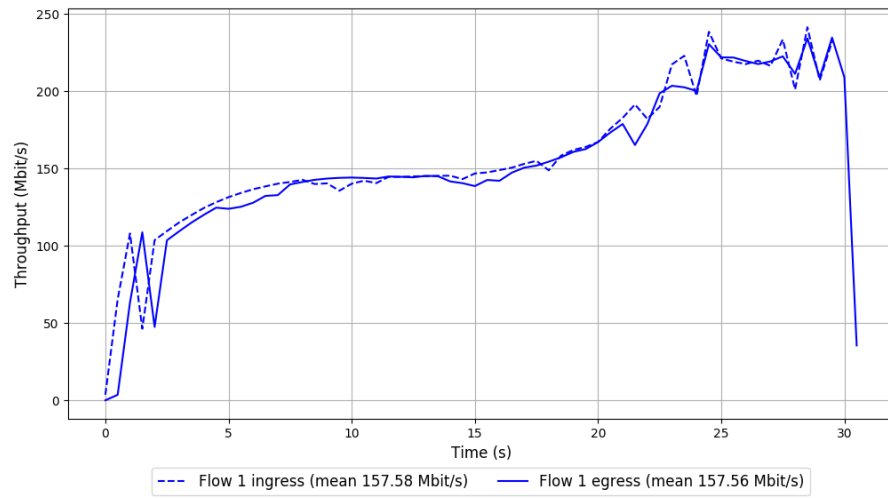


Run 5: Statistics of TCP Cubic

Start at: 2018-07-20 02:55:23
End at: 2018-07-20 02:55:53
Local clock offset: 0.081 ms
Remote clock offset: -1.215 ms

Below is generated by plot.py at 2018-07-20 05:27:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 157.56 Mbit/s
95th percentile per-packet one-way delay: 57.336 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 157.56 Mbit/s
95th percentile per-packet one-way delay: 57.336 ms
Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-20 03:17:19

End at: 2018-07-20 03:17:49

Local clock offset: 0.062 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-20 05:27:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 154.87 Mbit/s

95th percentile per-packet one-way delay: 54.168 ms

Loss rate: 0.00%

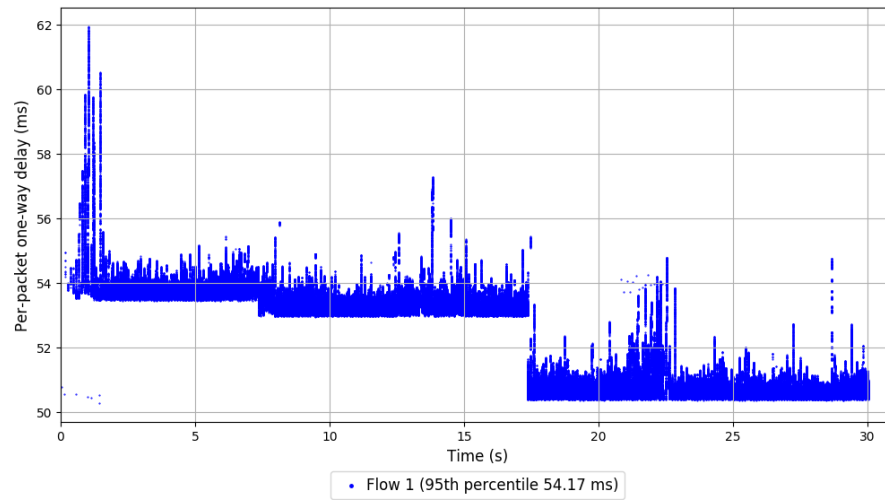
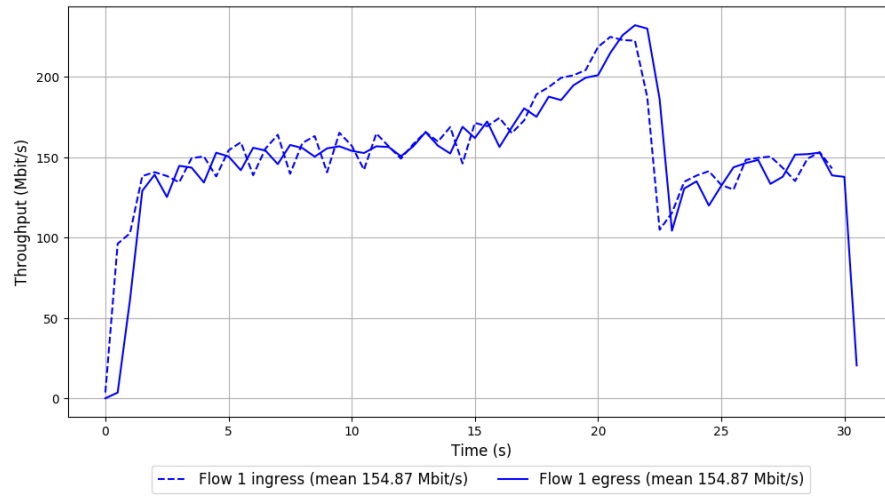
-- Flow 1:

Average throughput: 154.87 Mbit/s

95th percentile per-packet one-way delay: 54.168 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link

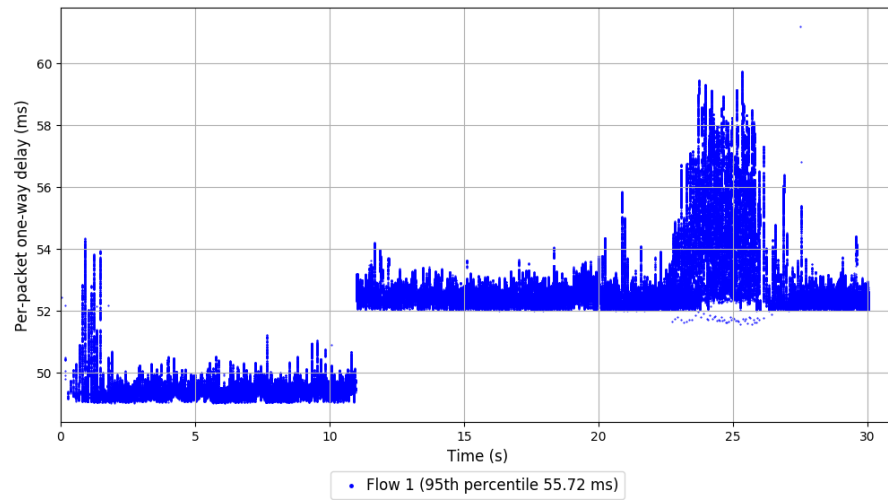
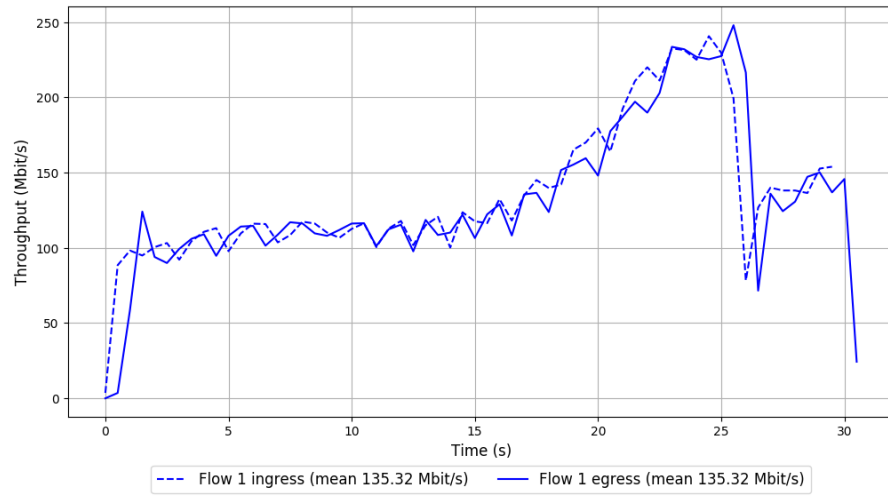


Run 7: Statistics of TCP Cubic

Start at: 2018-07-20 03:39:26
End at: 2018-07-20 03:39:56
Local clock offset: -0.117 ms
Remote clock offset: -1.521 ms

Below is generated by plot.py at 2018-07-20 05:27:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 135.32 Mbit/s
95th percentile per-packet one-way delay: 55.721 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 135.32 Mbit/s
95th percentile per-packet one-way delay: 55.721 ms
Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link

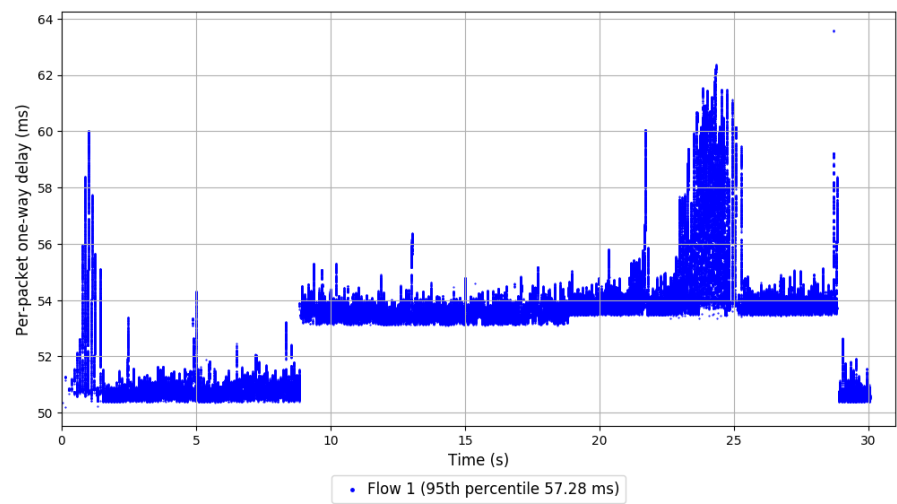
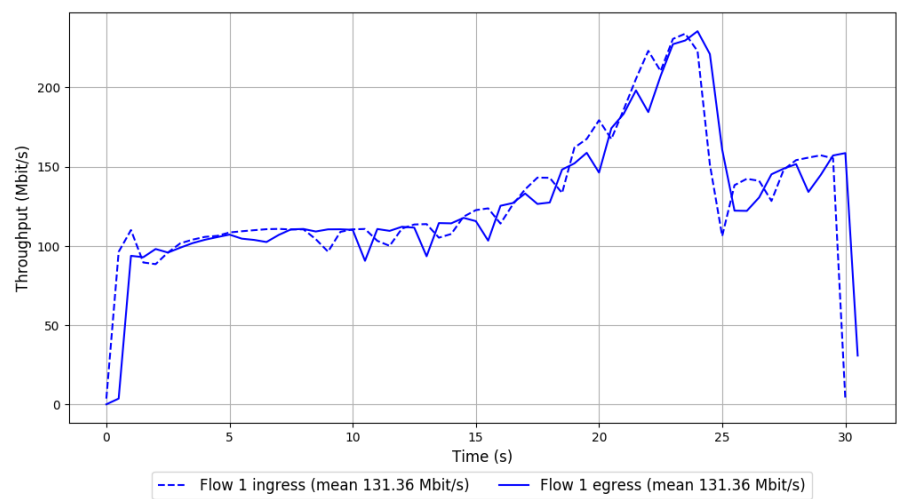


Run 8: Statistics of TCP Cubic

Start at: 2018-07-20 04:01:38
End at: 2018-07-20 04:02:08
Local clock offset: -0.031 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-20 05:27:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 131.36 Mbit/s
95th percentile per-packet one-way delay: 57.285 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 131.36 Mbit/s
95th percentile per-packet one-way delay: 57.285 ms
Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-20 04:23:47

End at: 2018-07-20 04:24:17

Local clock offset: 0.056 ms

Remote clock offset: 1.144 ms

Below is generated by plot.py at 2018-07-20 05:27:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 152.57 Mbit/s

95th percentile per-packet one-way delay: 57.757 ms

Loss rate: 0.00%

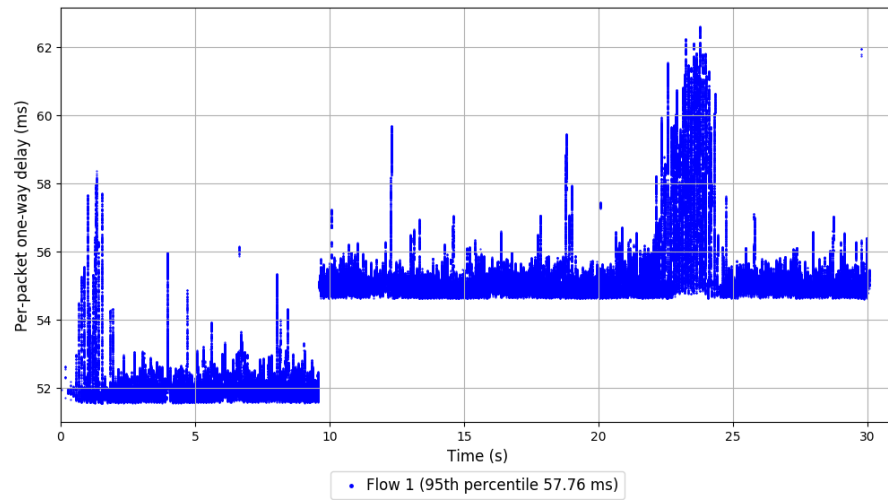
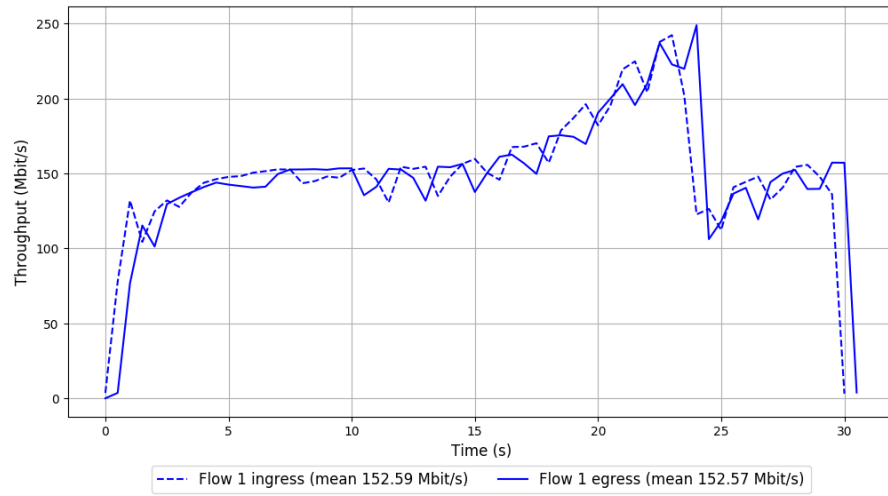
-- Flow 1:

Average throughput: 152.57 Mbit/s

95th percentile per-packet one-way delay: 57.757 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link

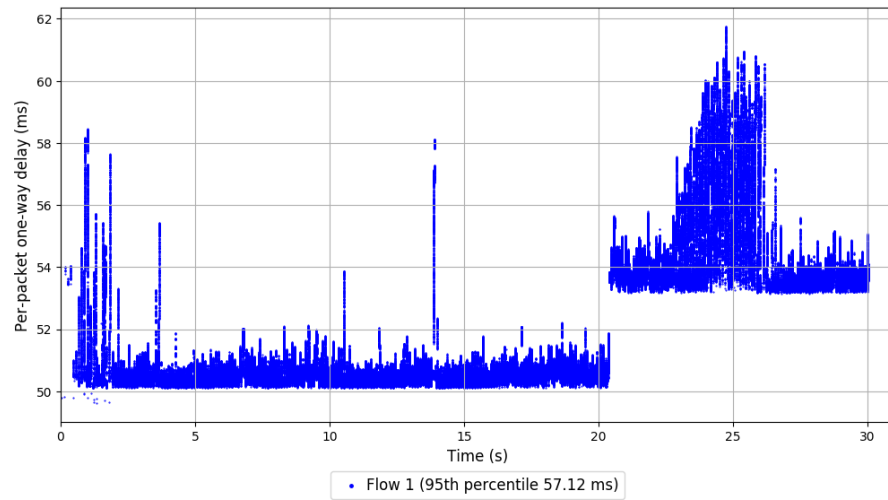
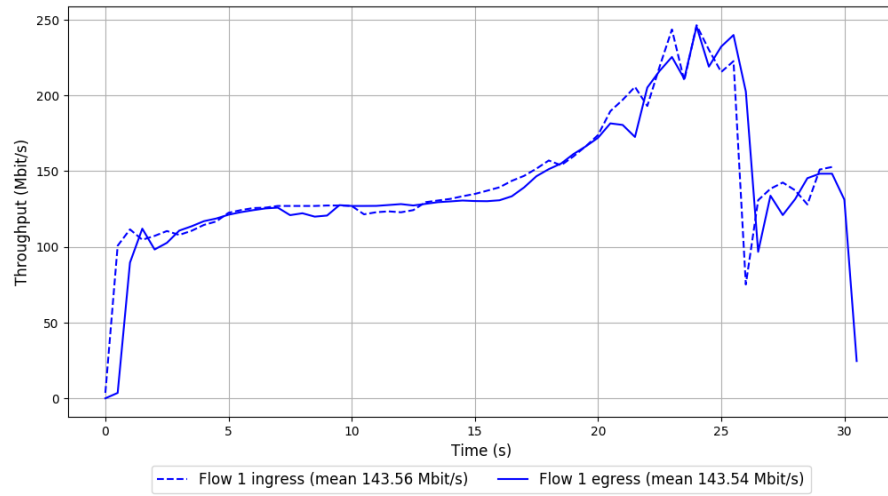


Run 10: Statistics of TCP Cubic

Start at: 2018-07-20 04:45:36
End at: 2018-07-20 04:46:06
Local clock offset: -0.061 ms
Remote clock offset: -0.402 ms

Below is generated by plot.py at 2018-07-20 05:27:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 143.54 Mbit/s
95th percentile per-packet one-way delay: 57.124 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 143.54 Mbit/s
95th percentile per-packet one-way delay: 57.124 ms
Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-07-20 01:36:52

End at: 2018-07-20 01:37:22

Local clock offset: 0.088 ms

Remote clock offset: 0.278 ms

Below is generated by plot.py at 2018-07-20 05:42:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 783.17 Mbit/s

95th percentile per-packet one-way delay: 145.100 ms

Loss rate: 3.58%

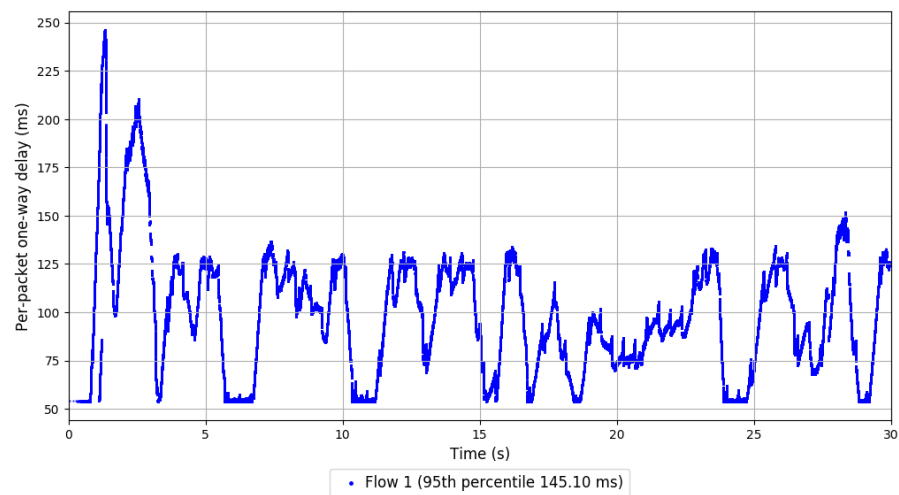
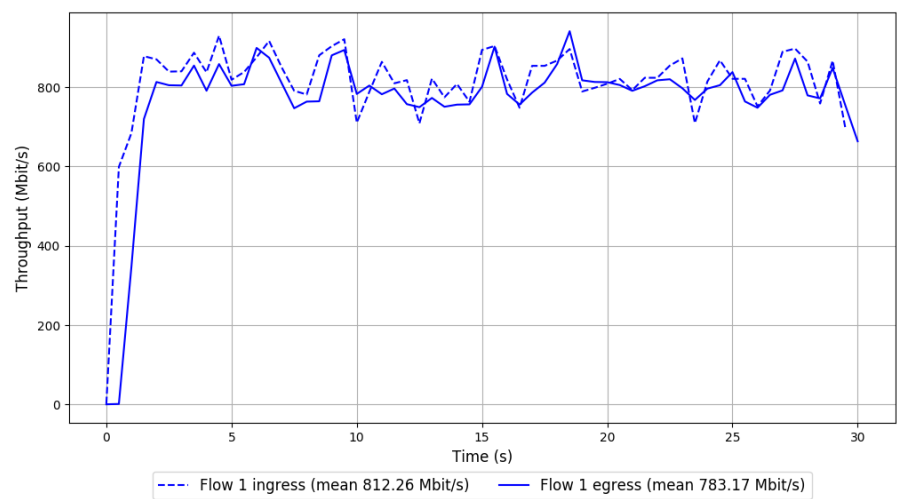
-- Flow 1:

Average throughput: 783.17 Mbit/s

95th percentile per-packet one-way delay: 145.100 ms

Loss rate: 3.58%

Run 1: Report of FillP — Data Link

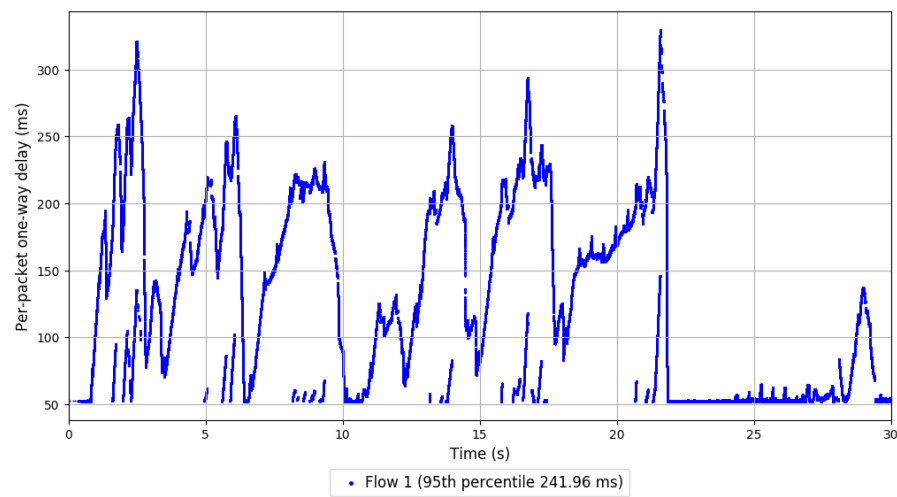
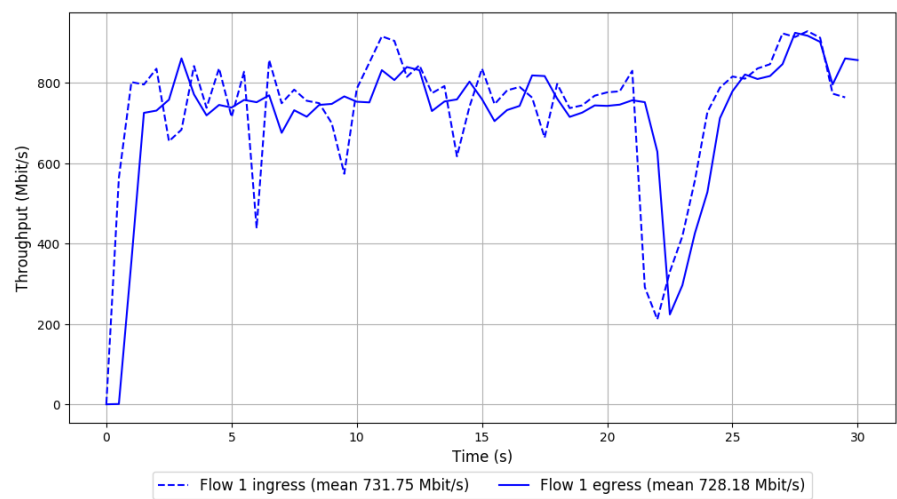


Run 2: Statistics of FillP

Start at: 2018-07-20 01:59:05
End at: 2018-07-20 01:59:35
Local clock offset: 0.113 ms
Remote clock offset: -1.101 ms

Below is generated by plot.py at 2018-07-20 05:42:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 728.18 Mbit/s
95th percentile per-packet one-way delay: 241.961 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 728.18 Mbit/s
95th percentile per-packet one-way delay: 241.961 ms
Loss rate: 0.48%

Run 2: Report of FillP — Data Link

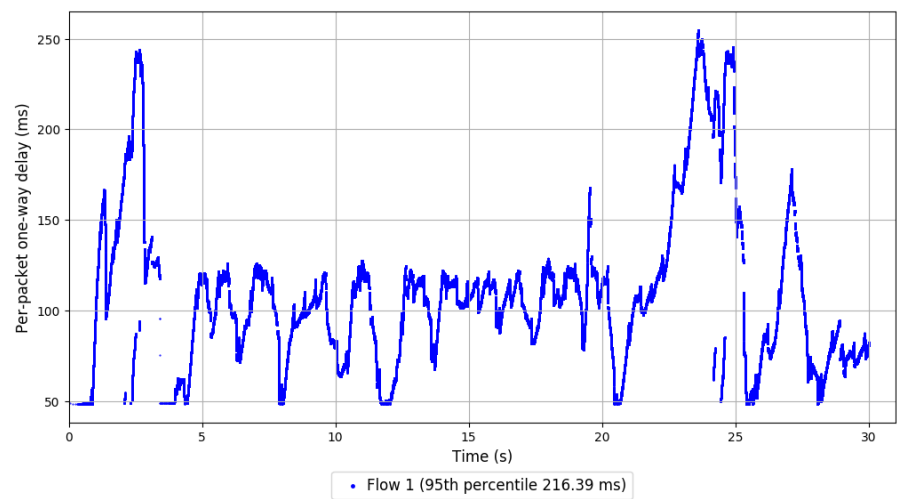
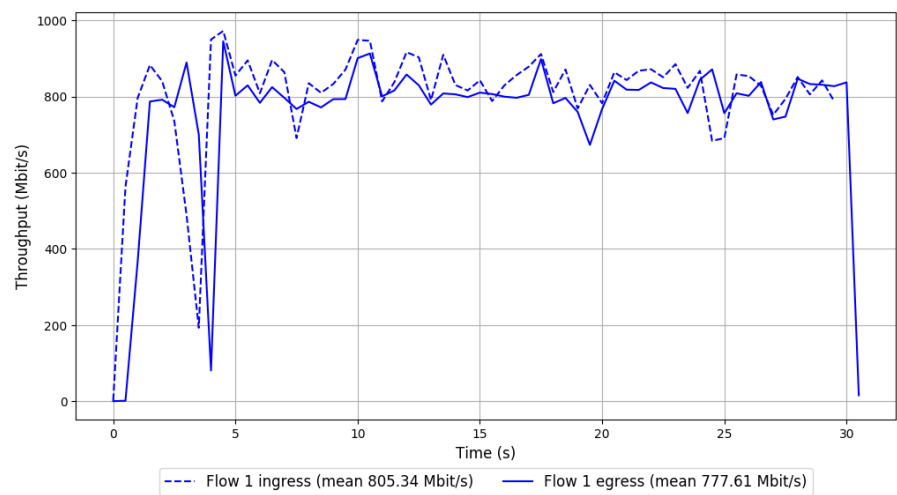


Run 3: Statistics of FillP

Start at: 2018-07-20 02:21:36
End at: 2018-07-20 02:22:06
Local clock offset: 0.089 ms
Remote clock offset: -1.343 ms

Below is generated by plot.py at 2018-07-20 05:43:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 777.61 Mbit/s
95th percentile per-packet one-way delay: 216.391 ms
Loss rate: 3.44%
-- Flow 1:
Average throughput: 777.61 Mbit/s
95th percentile per-packet one-way delay: 216.391 ms
Loss rate: 3.44%

Run 3: Report of FillP — Data Link

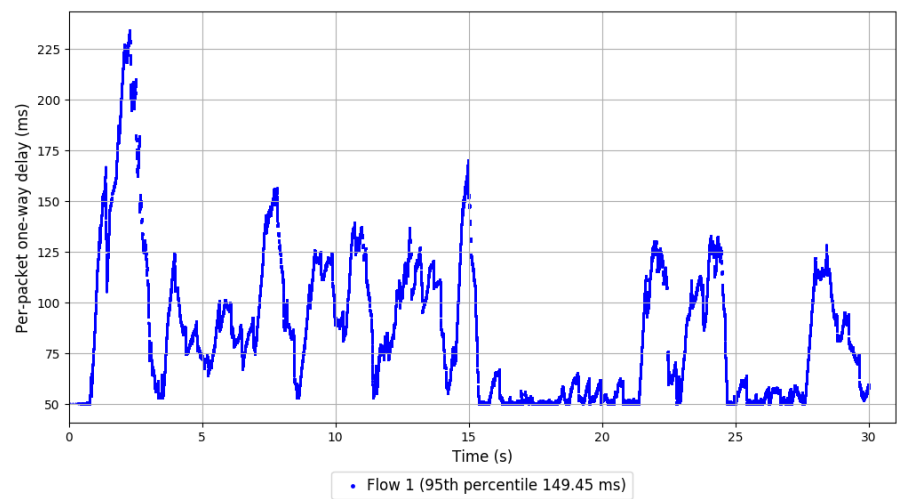
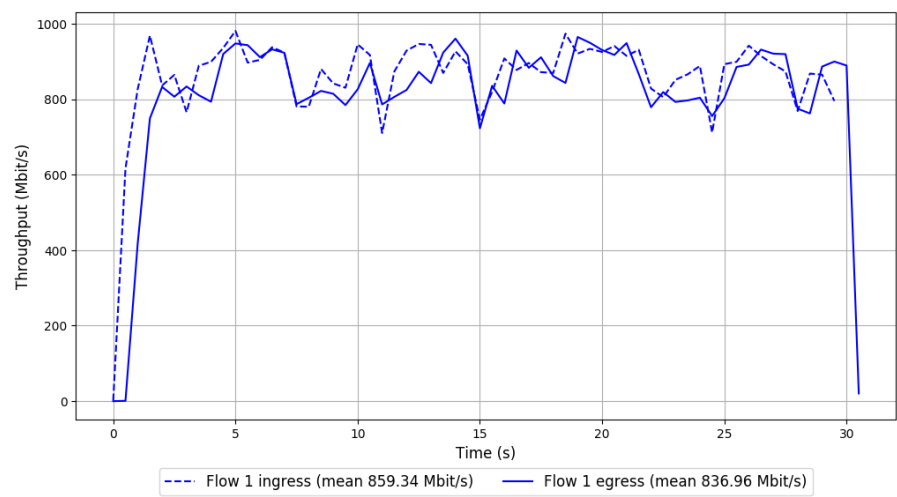


Run 4: Statistics of FillP

Start at: 2018-07-20 02:43:55
End at: 2018-07-20 02:44:25
Local clock offset: 0.129 ms
Remote clock offset: -0.216 ms

Below is generated by plot.py at 2018-07-20 05:44:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 836.96 Mbit/s
95th percentile per-packet one-way delay: 149.447 ms
Loss rate: 2.59%
-- Flow 1:
Average throughput: 836.96 Mbit/s
95th percentile per-packet one-way delay: 149.447 ms
Loss rate: 2.59%

Run 4: Report of FillP — Data Link

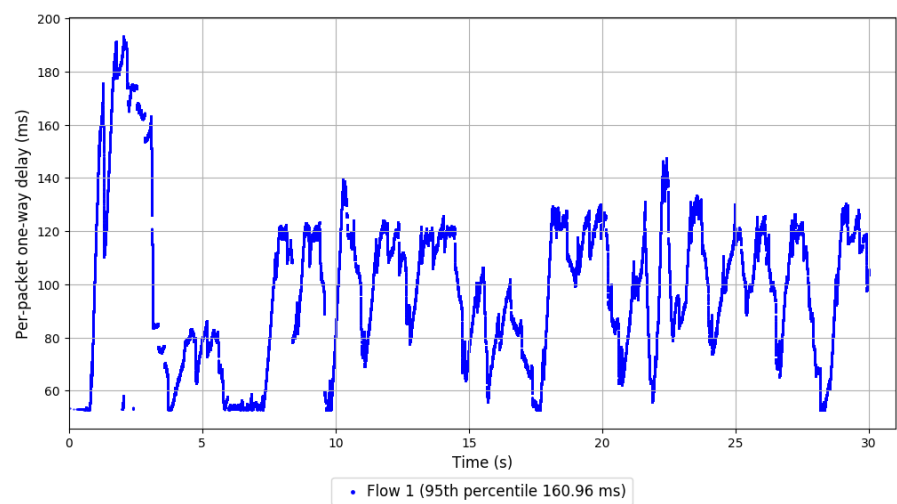
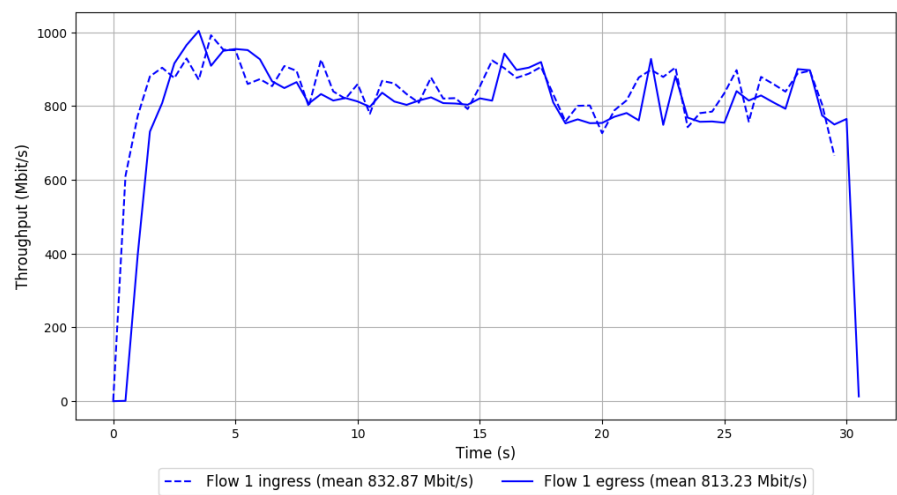


Run 5: Statistics of FillP

Start at: 2018-07-20 03:05:59
End at: 2018-07-20 03:06:29
Local clock offset: -0.043 ms
Remote clock offset: -0.249 ms

Below is generated by plot.py at 2018-07-20 05:44:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 813.23 Mbit/s
95th percentile per-packet one-way delay: 160.960 ms
Loss rate: 2.37%
-- Flow 1:
Average throughput: 813.23 Mbit/s
95th percentile per-packet one-way delay: 160.960 ms
Loss rate: 2.37%

Run 5: Report of FillP — Data Link

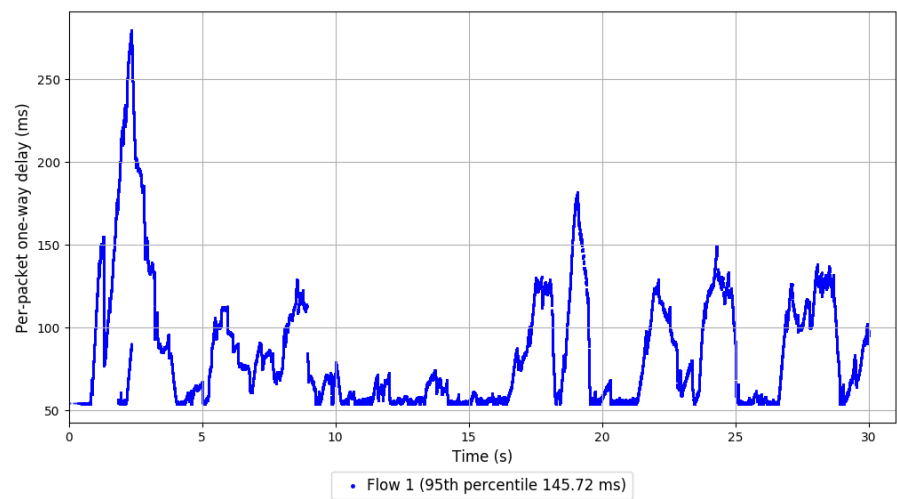
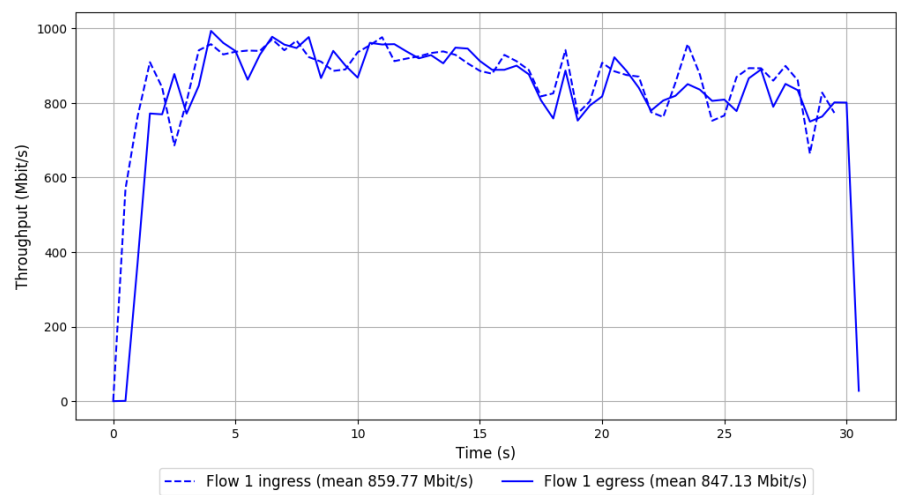


Run 6: Statistics of FillP

Start at: 2018-07-20 03:28:00
End at: 2018-07-20 03:28:30
Local clock offset: -0.158 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-07-20 05:45:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 847.13 Mbit/s
95th percentile per-packet one-way delay: 145.716 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 847.13 Mbit/s
95th percentile per-packet one-way delay: 145.716 ms
Loss rate: 1.44%

Run 6: Report of FillP — Data Link

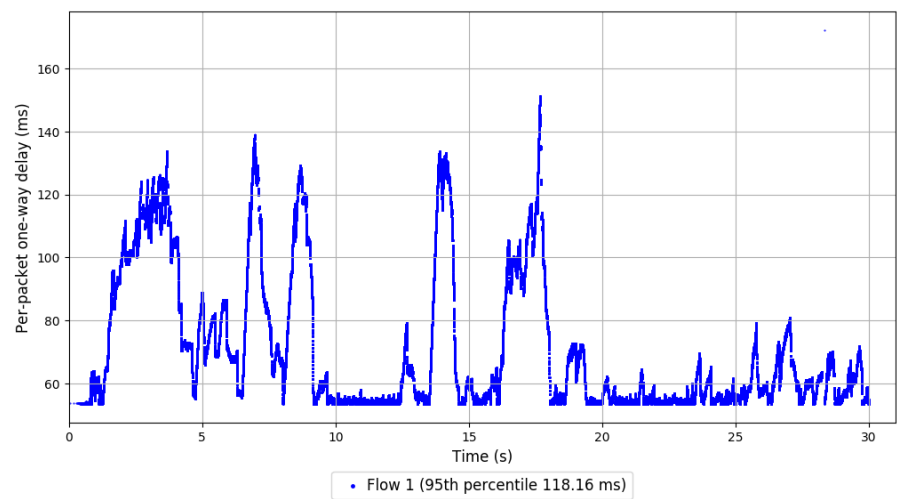
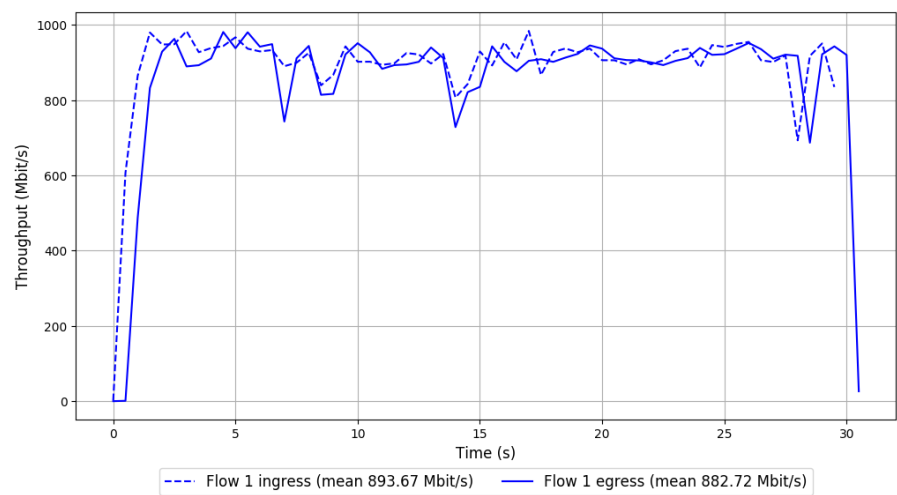


Run 7: Statistics of FillP

Start at: 2018-07-20 03:50:10
End at: 2018-07-20 03:50:40
Local clock offset: -0.048 ms
Remote clock offset: -0.193 ms

Below is generated by plot.py at 2018-07-20 05:45:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 882.72 Mbit/s
95th percentile per-packet one-way delay: 118.160 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 882.72 Mbit/s
95th percentile per-packet one-way delay: 118.160 ms
Loss rate: 1.23%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-20 04:12:27

End at: 2018-07-20 04:12:57

Local clock offset: -0.071 ms

Remote clock offset: -1.52 ms

Below is generated by plot.py at 2018-07-20 05:45:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 840.82 Mbit/s

95th percentile per-packet one-way delay: 130.747 ms

Loss rate: 1.42%

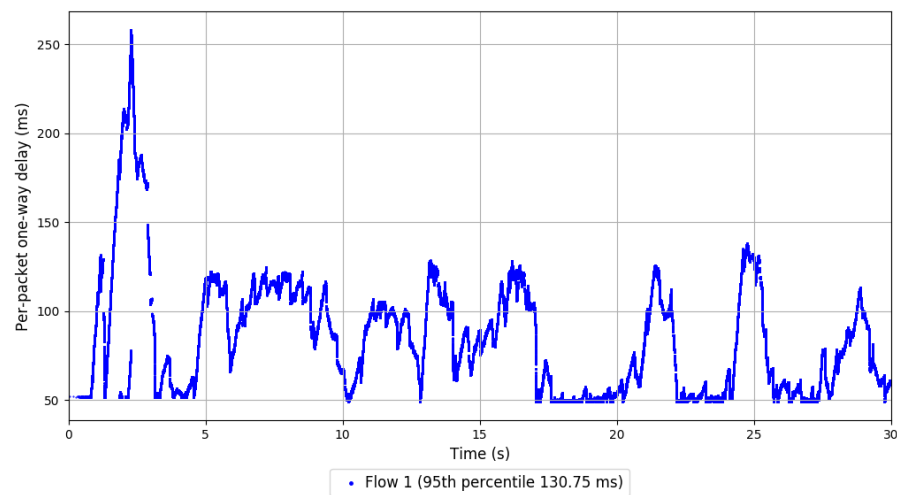
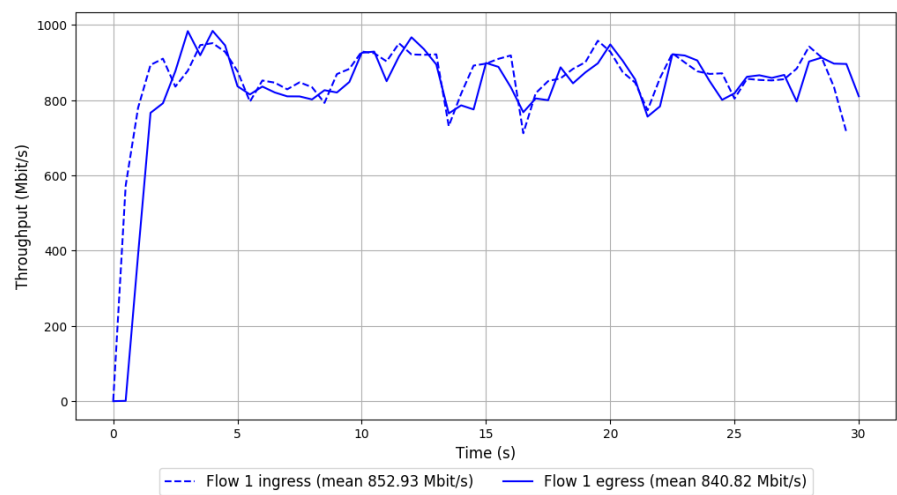
-- Flow 1:

Average throughput: 840.82 Mbit/s

95th percentile per-packet one-way delay: 130.747 ms

Loss rate: 1.42%

Run 8: Report of FillP — Data Link

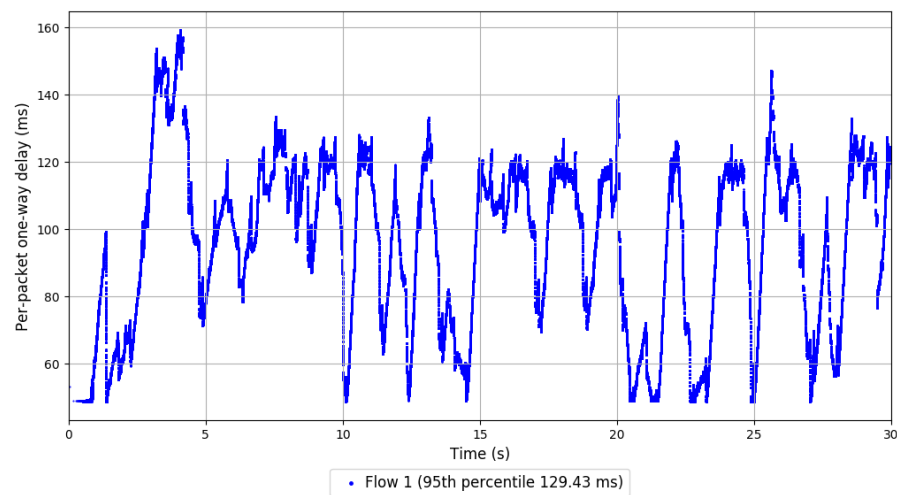
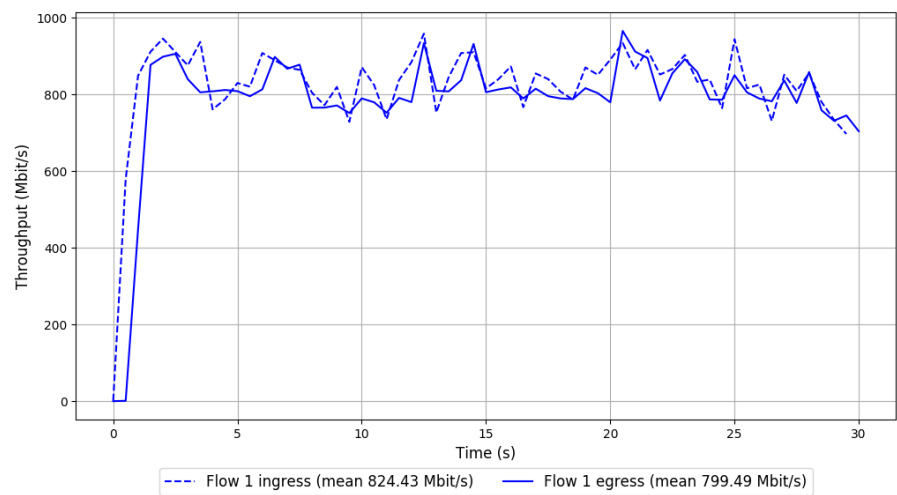


Run 9: Statistics of FillP

Start at: 2018-07-20 04:34:14
End at: 2018-07-20 04:34:44
Local clock offset: 0.107 ms
Remote clock offset: -1.445 ms

Below is generated by plot.py at 2018-07-20 05:59:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 799.49 Mbit/s
95th percentile per-packet one-way delay: 129.431 ms
Loss rate: 3.03%
-- Flow 1:
Average throughput: 799.49 Mbit/s
95th percentile per-packet one-way delay: 129.431 ms
Loss rate: 3.03%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-20 04:56:24

End at: 2018-07-20 04:56:54

Local clock offset: -0.138 ms

Remote clock offset: 0.193 ms

Below is generated by plot.py at 2018-07-20 06:00:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 831.84 Mbit/s

95th percentile per-packet one-way delay: 126.033 ms

Loss rate: 1.89%

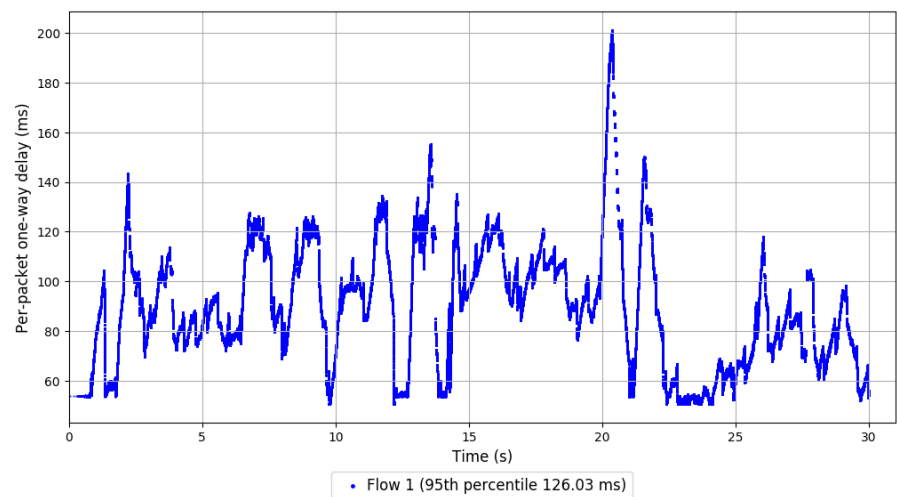
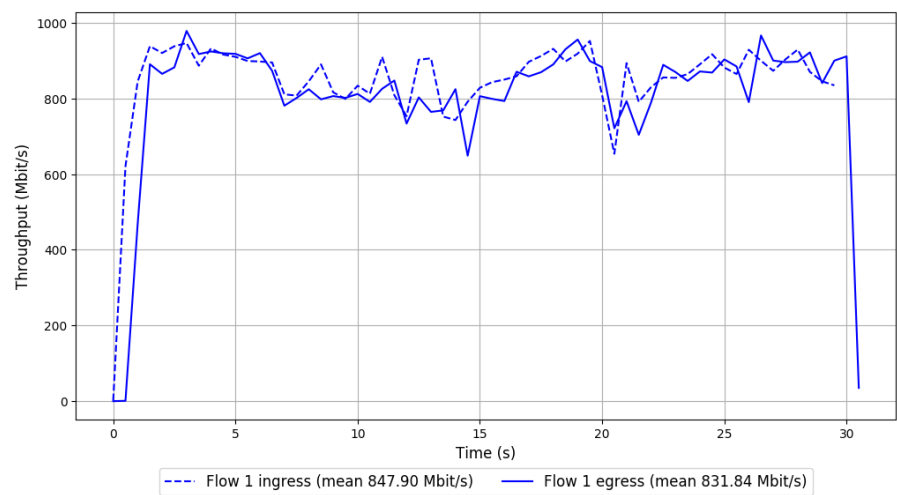
-- Flow 1:

Average throughput: 831.84 Mbit/s

95th percentile per-packet one-way delay: 126.033 ms

Loss rate: 1.89%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-20 01:28:57

End at: 2018-07-20 01:29:27

Local clock offset: 0.003 ms

Remote clock offset: -1.294 ms

Below is generated by plot.py at 2018-07-20 06:00:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 782.23 Mbit/s

95th percentile per-packet one-way delay: 105.466 ms

Loss rate: 0.16%

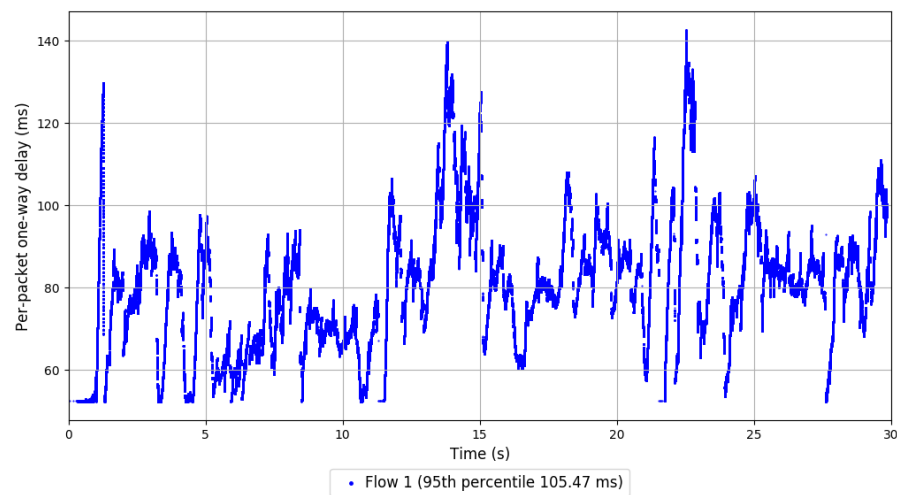
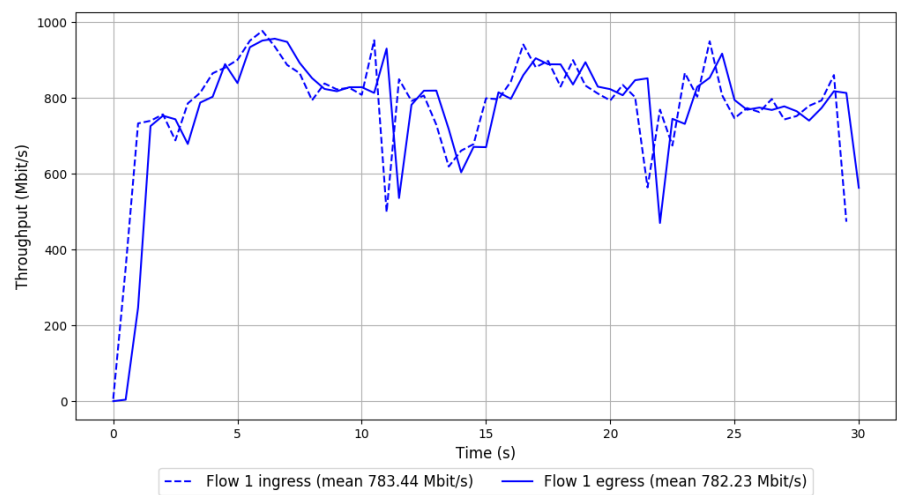
-- Flow 1:

Average throughput: 782.23 Mbit/s

95th percentile per-packet one-way delay: 105.466 ms

Loss rate: 0.16%

Run 1: Report of FillP-Sheep — Data Link

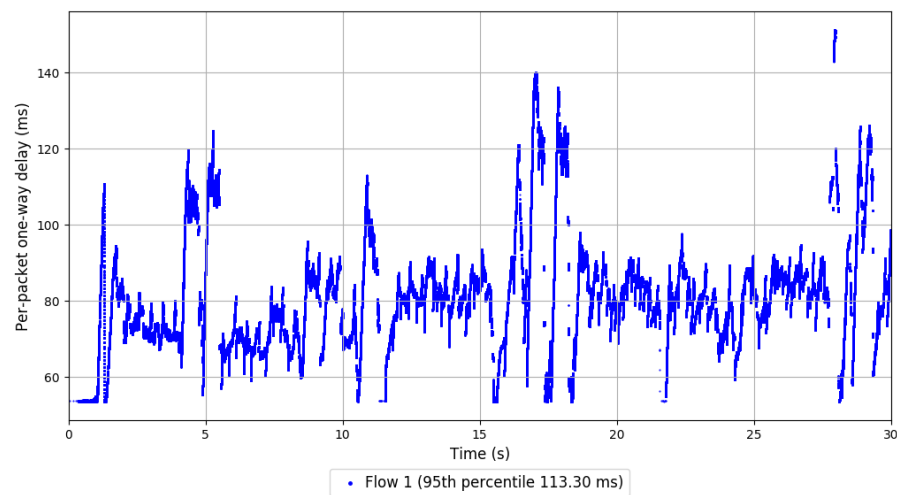
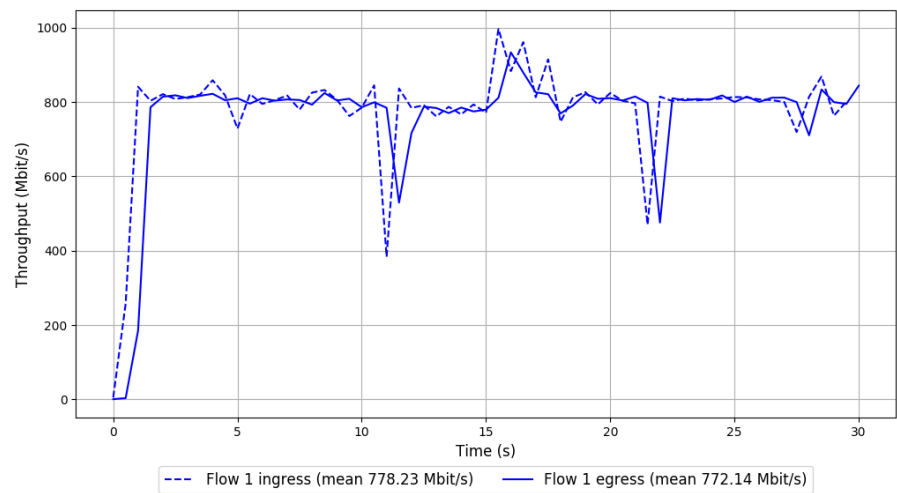


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-20 01:50:37
End at: 2018-07-20 01:51:07
Local clock offset: -0.118 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-20 06:01:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 772.14 Mbit/s
95th percentile per-packet one-way delay: 113.299 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 772.14 Mbit/s
95th percentile per-packet one-way delay: 113.299 ms
Loss rate: 0.79%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-20 02:12:56

End at: 2018-07-20 02:13:26

Local clock offset: -0.272 ms

Remote clock offset: 0.175 ms

Below is generated by plot.py at 2018-07-20 06:01:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 801.63 Mbit/s

95th percentile per-packet one-way delay: 105.224 ms

Loss rate: 0.22%

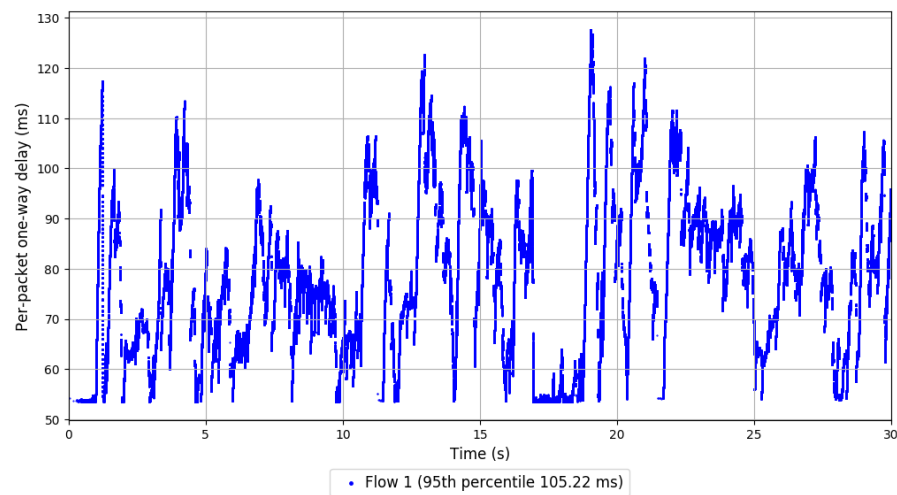
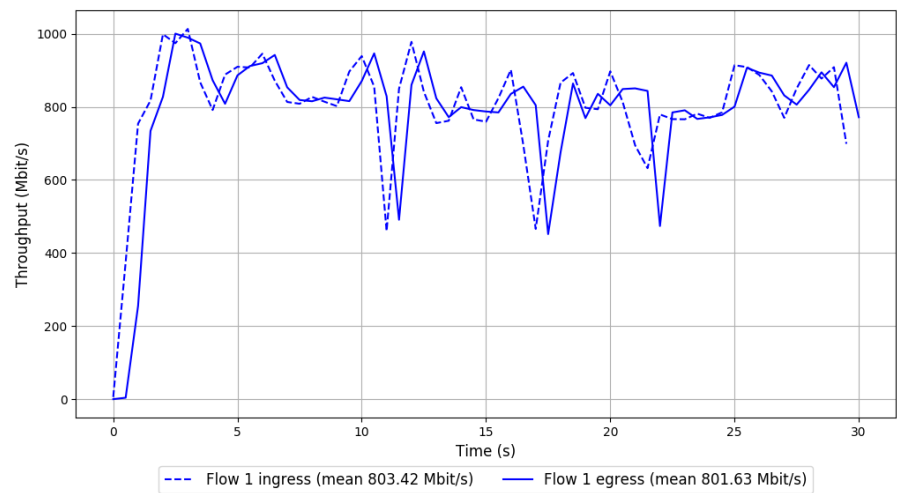
-- Flow 1:

Average throughput: 801.63 Mbit/s

95th percentile per-packet one-way delay: 105.224 ms

Loss rate: 0.22%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-20 02:35:28

End at: 2018-07-20 02:35:58

Local clock offset: 0.054 ms

Remote clock offset: 0.179 ms

Below is generated by plot.py at 2018-07-20 06:02:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 798.98 Mbit/s

95th percentile per-packet one-way delay: 102.012 ms

Loss rate: 0.23%

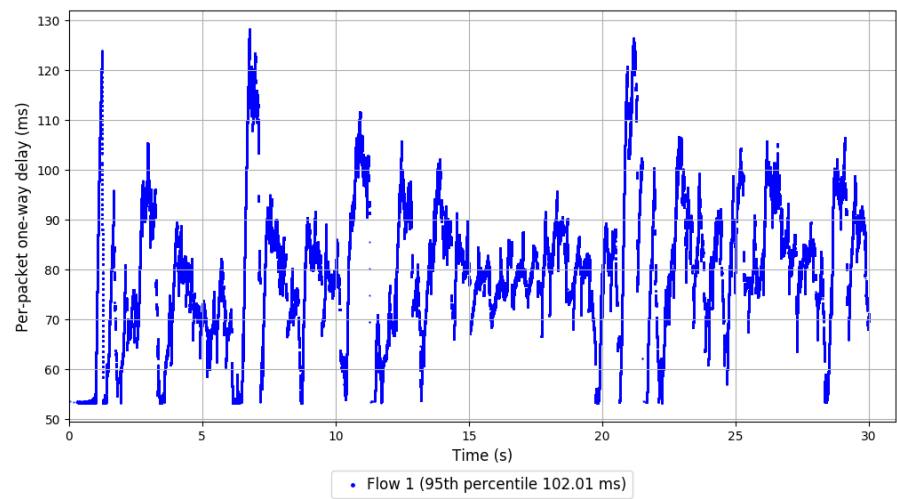
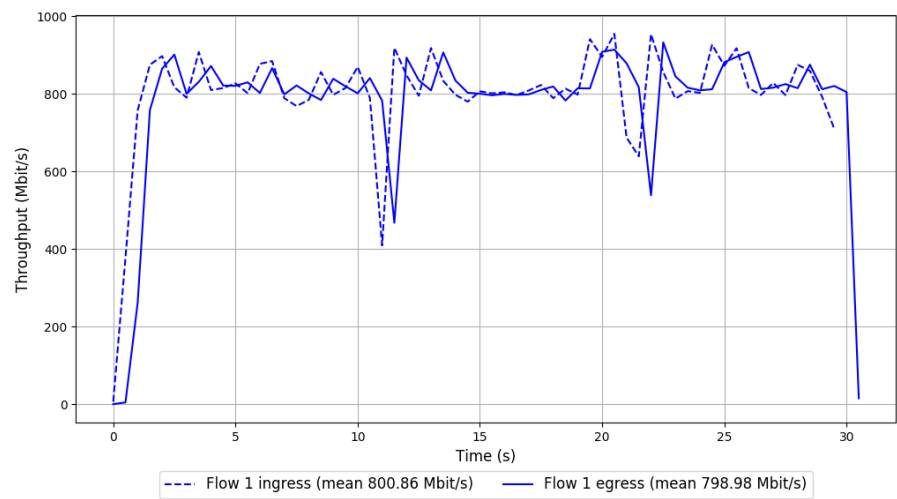
-- Flow 1:

Average throughput: 798.98 Mbit/s

95th percentile per-packet one-way delay: 102.012 ms

Loss rate: 0.23%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-20 02:57:52

End at: 2018-07-20 02:58:22

Local clock offset: 0.125 ms

Remote clock offset: 0.235 ms

Below is generated by plot.py at 2018-07-20 06:02:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 760.00 Mbit/s

95th percentile per-packet one-way delay: 101.426 ms

Loss rate: 0.20%

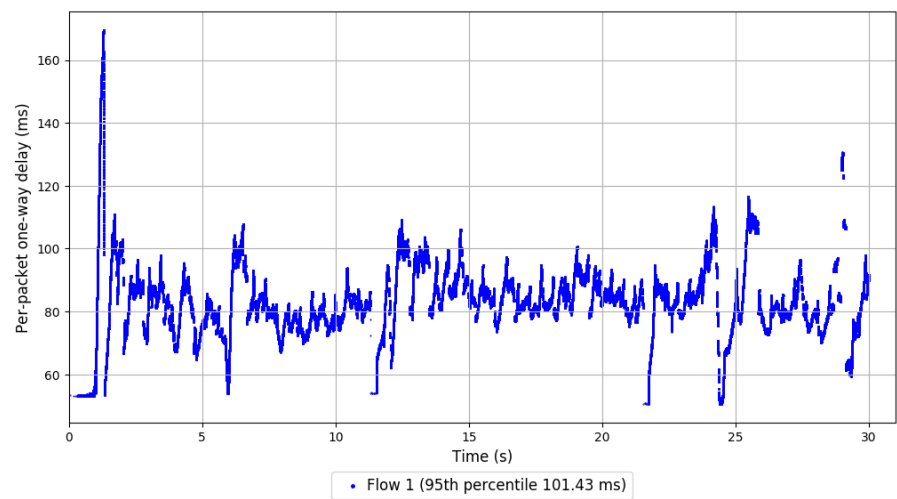
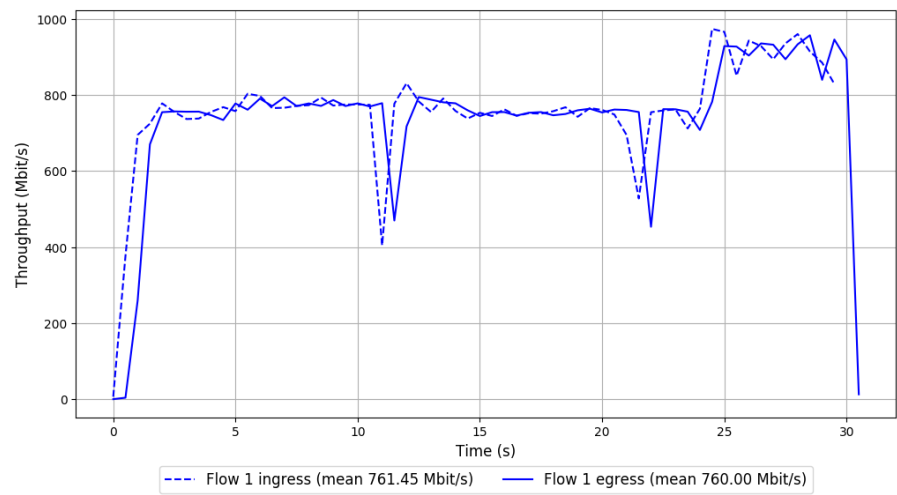
-- Flow 1:

Average throughput: 760.00 Mbit/s

95th percentile per-packet one-way delay: 101.426 ms

Loss rate: 0.20%

Run 5: Report of FillP-Sheep — Data Link

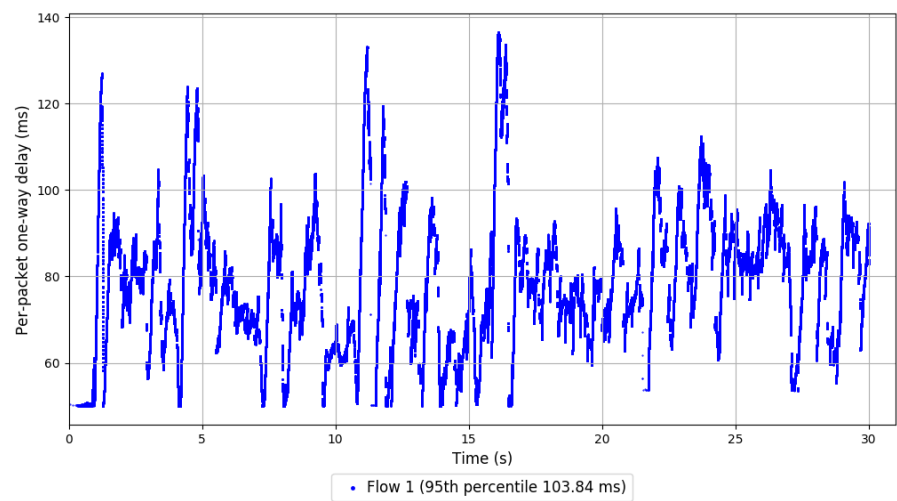
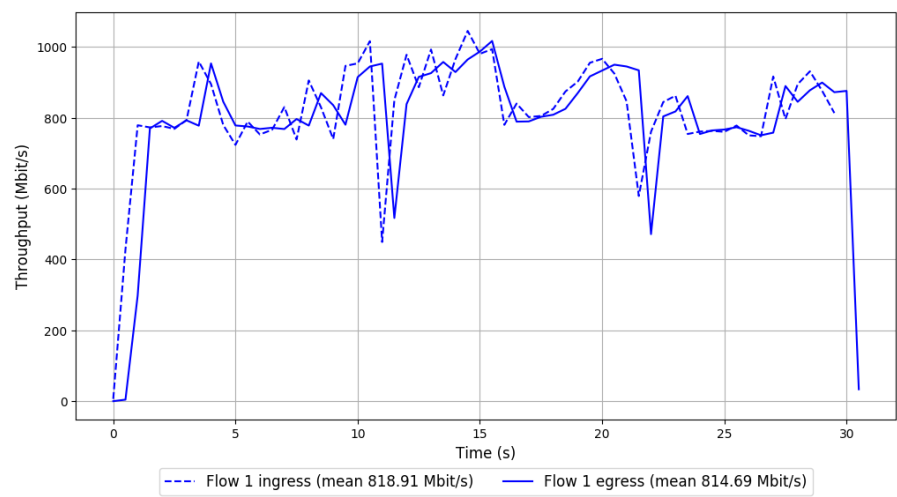


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-20 03:19:48
End at: 2018-07-20 03:20:18
Local clock offset: -0.014 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-07-20 06:04:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 814.69 Mbit/s
95th percentile per-packet one-way delay: 103.843 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 814.69 Mbit/s
95th percentile per-packet one-way delay: 103.843 ms
Loss rate: 0.50%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-07-20 03:41:53

End at: 2018-07-20 03:42:23

Local clock offset: 0.083 ms

Remote clock offset: -0.26 ms

Below is generated by plot.py at 2018-07-20 06:17:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 800.47 Mbit/s

95th percentile per-packet one-way delay: 96.969 ms

Loss rate: 0.06%

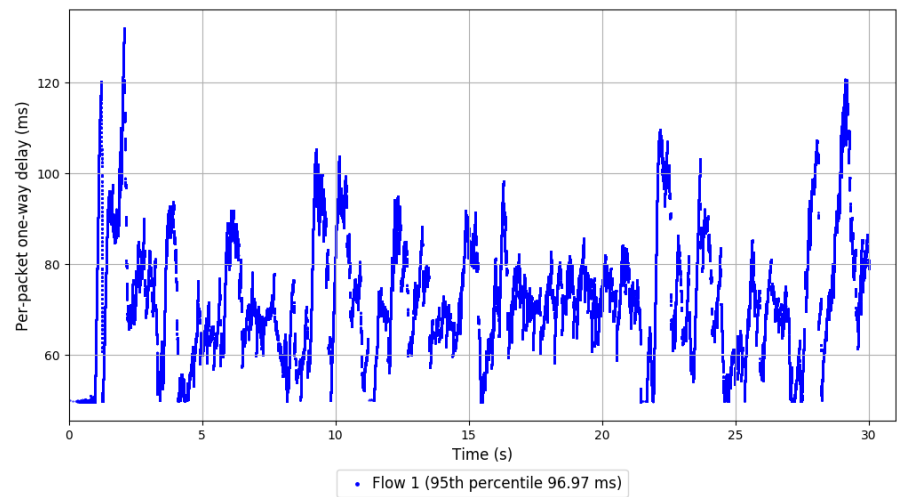
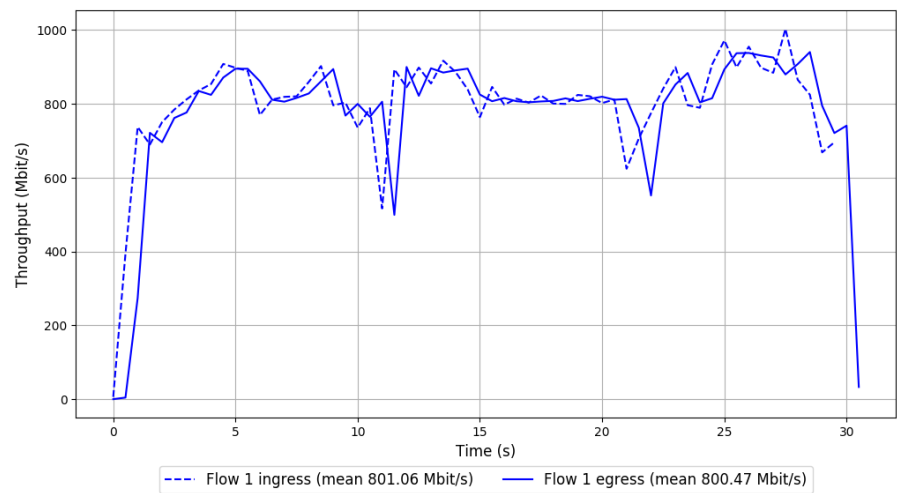
-- Flow 1:

Average throughput: 800.47 Mbit/s

95th percentile per-packet one-way delay: 96.969 ms

Loss rate: 0.06%

Run 7: Report of FillP-Sheep — Data Link

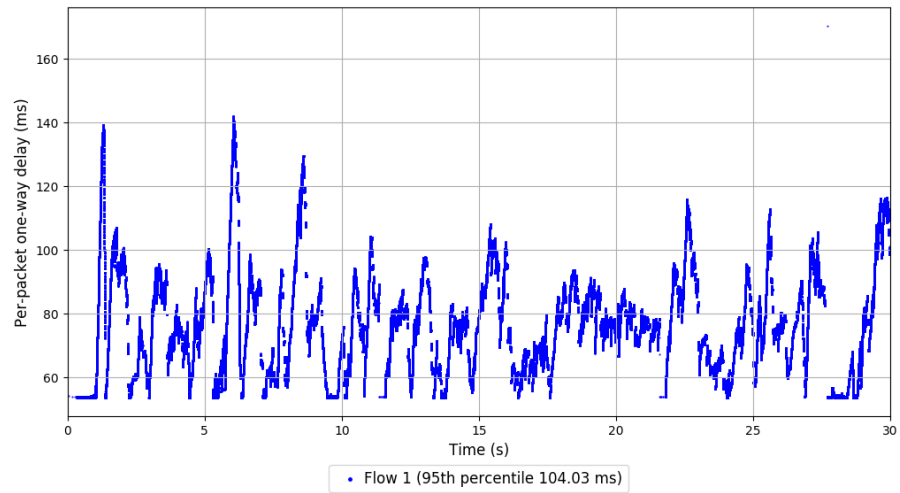
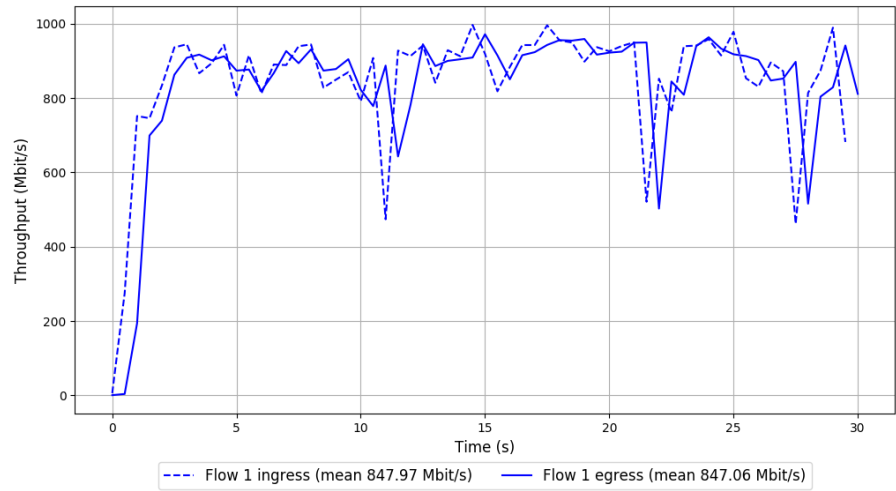


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-20 04:04:06
End at: 2018-07-20 04:04:36
Local clock offset: -0.252 ms
Remote clock offset: -0.219 ms

Below is generated by plot.py at 2018-07-20 06:18:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 847.06 Mbit/s
95th percentile per-packet one-way delay: 104.030 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 847.06 Mbit/s
95th percentile per-packet one-way delay: 104.030 ms
Loss rate: 0.12%

Run 8: Report of FillP-Sheep — Data Link

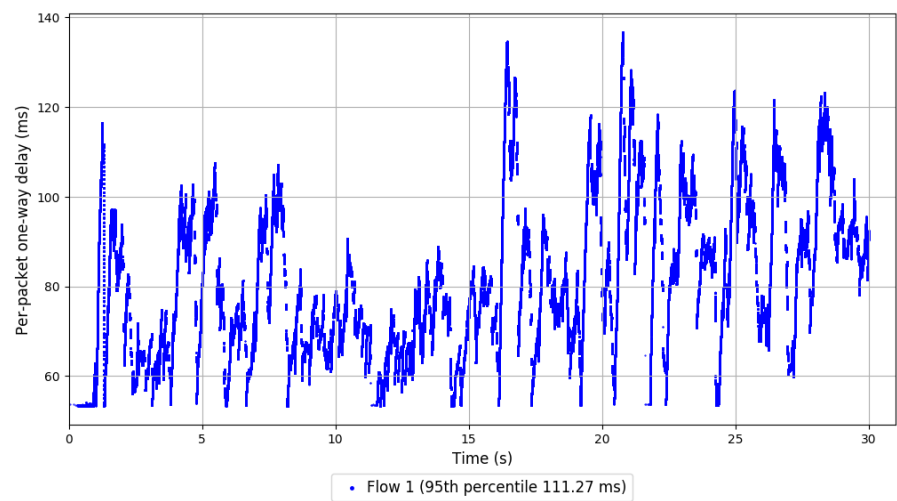
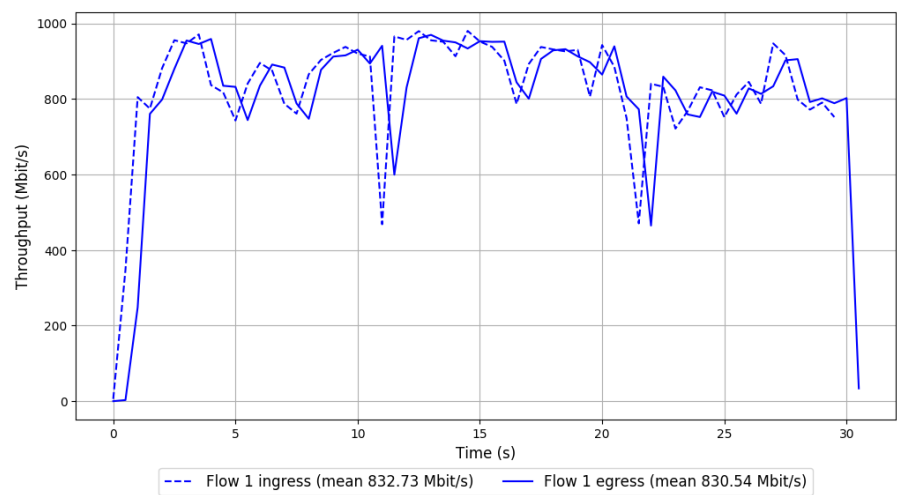


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-20 04:26:16
End at: 2018-07-20 04:26:46
Local clock offset: -0.079 ms
Remote clock offset: -0.356 ms

Below is generated by plot.py at 2018-07-20 06:18:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 830.54 Mbit/s
95th percentile per-packet one-way delay: 111.271 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 830.54 Mbit/s
95th percentile per-packet one-way delay: 111.271 ms
Loss rate: 0.26%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-20 04:48:05

End at: 2018-07-20 04:48:35

Local clock offset: 0.115 ms

Remote clock offset: 1.483 ms

Below is generated by plot.py at 2018-07-20 06:18:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 792.89 Mbit/s

95th percentile per-packet one-way delay: 109.029 ms

Loss rate: 0.49%

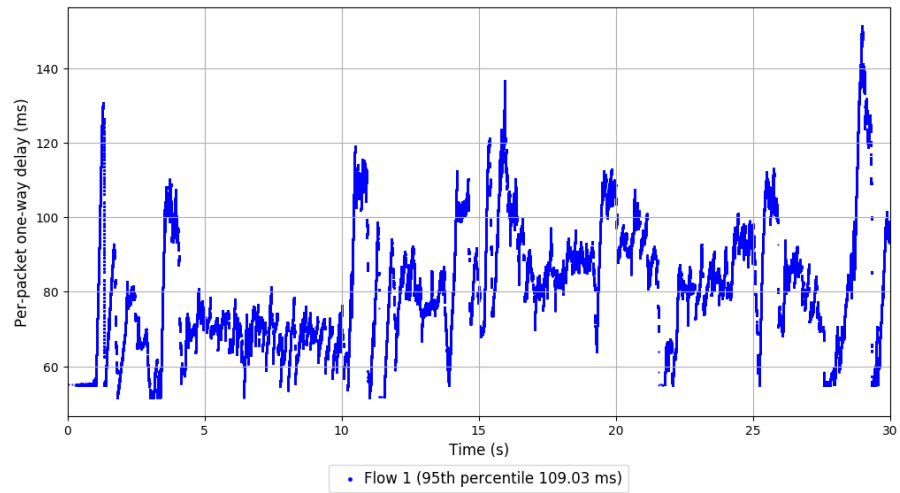
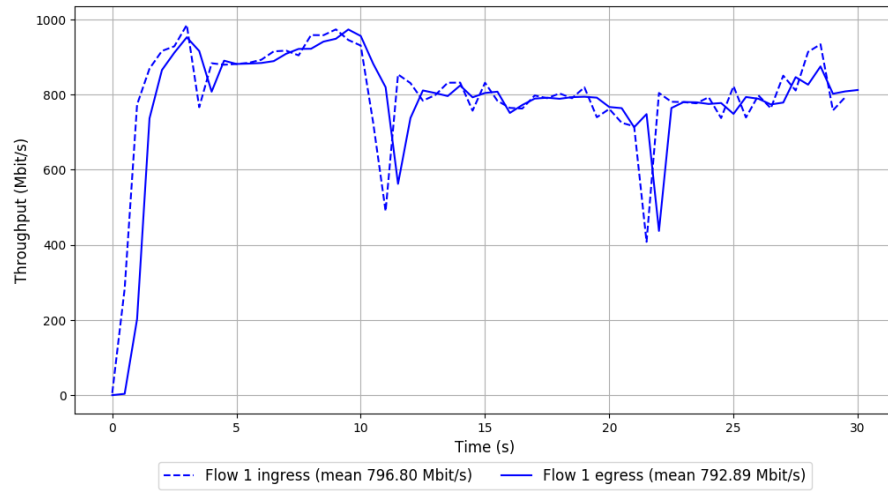
-- Flow 1:

Average throughput: 792.89 Mbit/s

95th percentile per-packet one-way delay: 109.029 ms

Loss rate: 0.49%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-07-20 01:39:40

End at: 2018-07-20 01:40:10

Local clock offset: -0.167 ms

Remote clock offset: -1.26 ms

Below is generated by plot.py at 2018-07-20 06:18:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 124.56 Mbit/s

95th percentile per-packet one-way delay: 52.682 ms

Loss rate: 0.00%

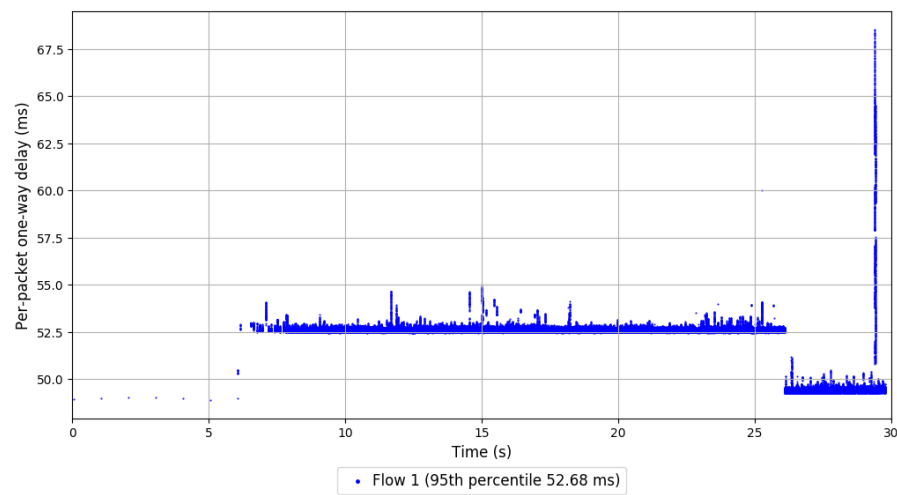
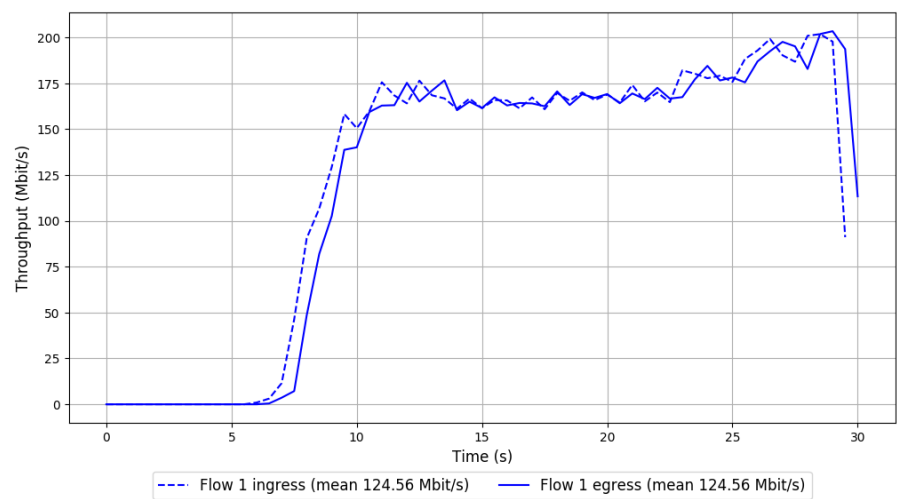
-- Flow 1:

Average throughput: 124.56 Mbit/s

95th percentile per-packet one-way delay: 52.682 ms

Loss rate: 0.00%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-20 02:01:53

End at: 2018-07-20 02:02:23

Local clock offset: -0.053 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-07-20 06:18:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.02 Mbit/s

95th percentile per-packet one-way delay: 53.615 ms

Loss rate: 0.00%

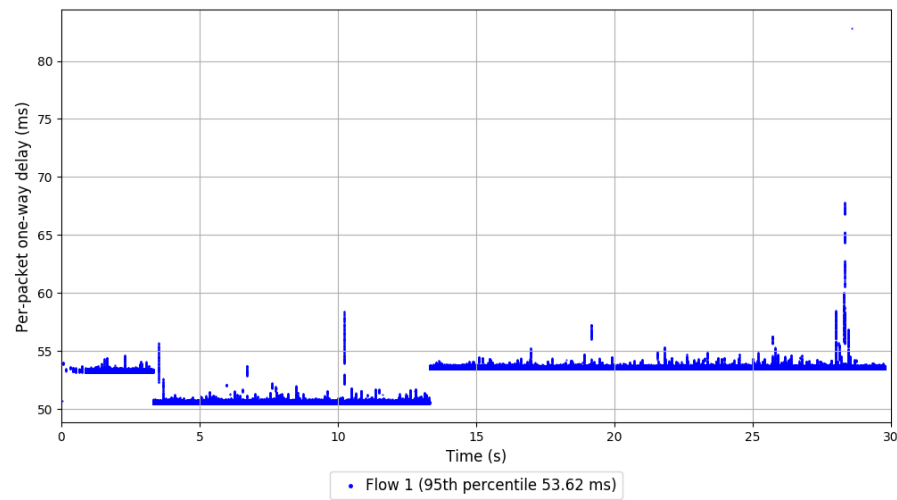
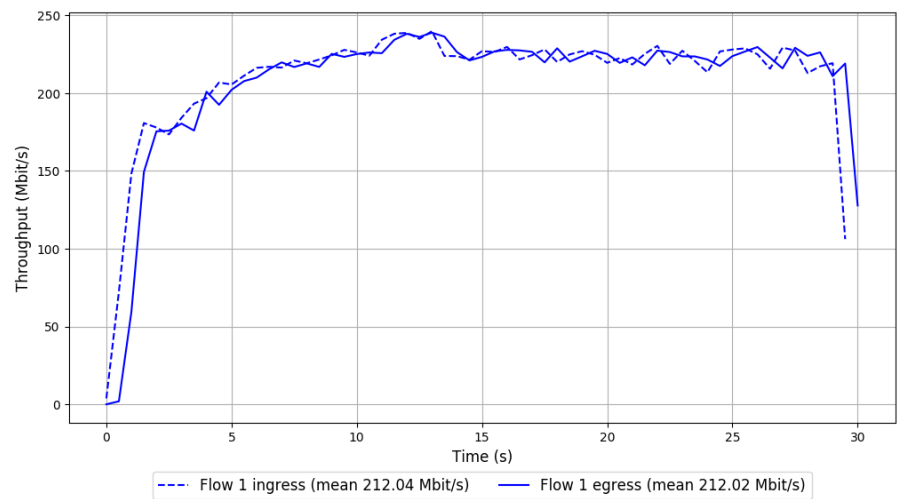
-- Flow 1:

Average throughput: 212.02 Mbit/s

95th percentile per-packet one-way delay: 53.615 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

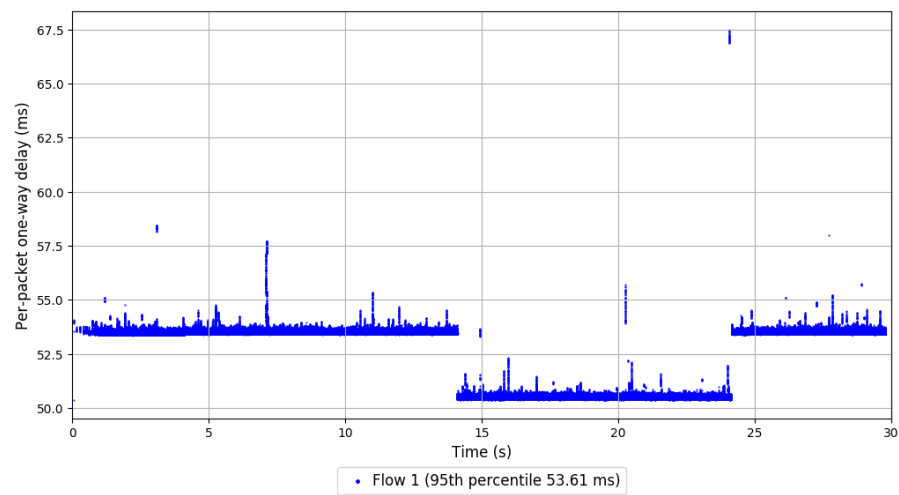
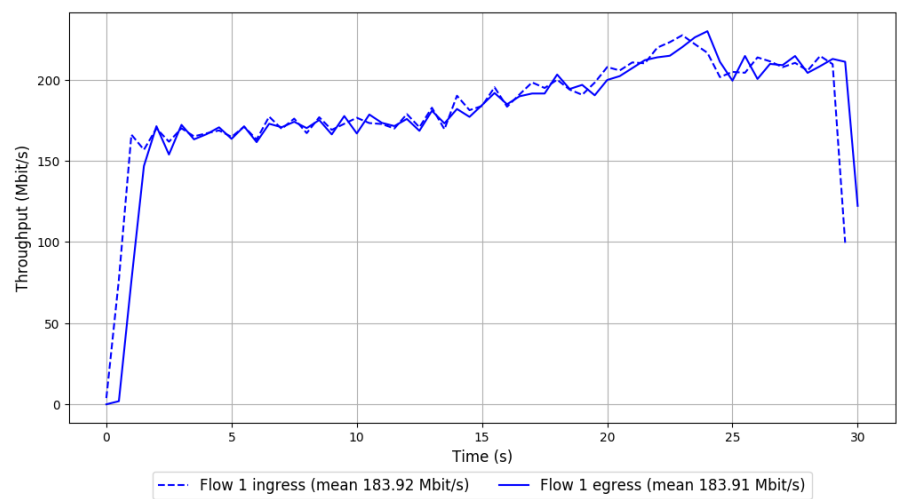


Run 3: Statistics of Indigo

Start at: 2018-07-20 02:24:22
End at: 2018-07-20 02:24:52
Local clock offset: -0.122 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-07-20 06:18:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 183.91 Mbit/s
95th percentile per-packet one-way delay: 53.608 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 183.91 Mbit/s
95th percentile per-packet one-way delay: 53.608 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-20 02:46:44

End at: 2018-07-20 02:47:14

Local clock offset: -0.158 ms

Remote clock offset: 0.201 ms

Below is generated by plot.py at 2018-07-20 06:18:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.86 Mbit/s

95th percentile per-packet one-way delay: 54.066 ms

Loss rate: 0.00%

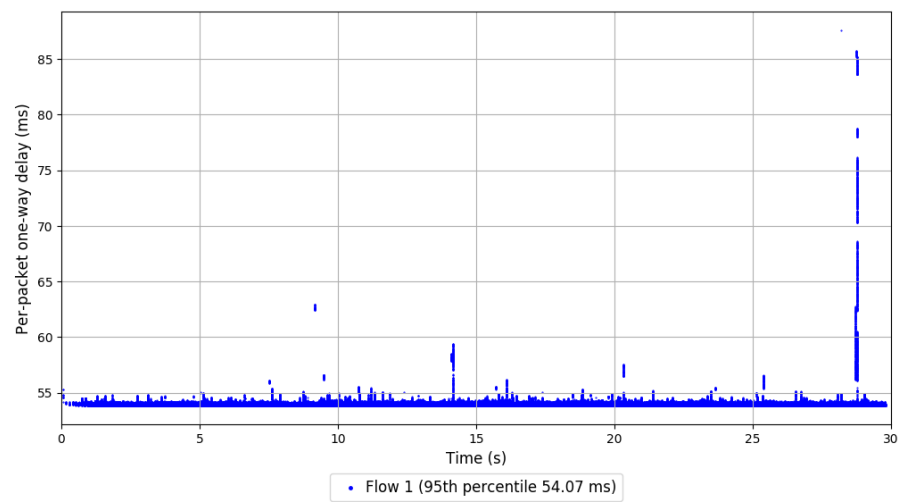
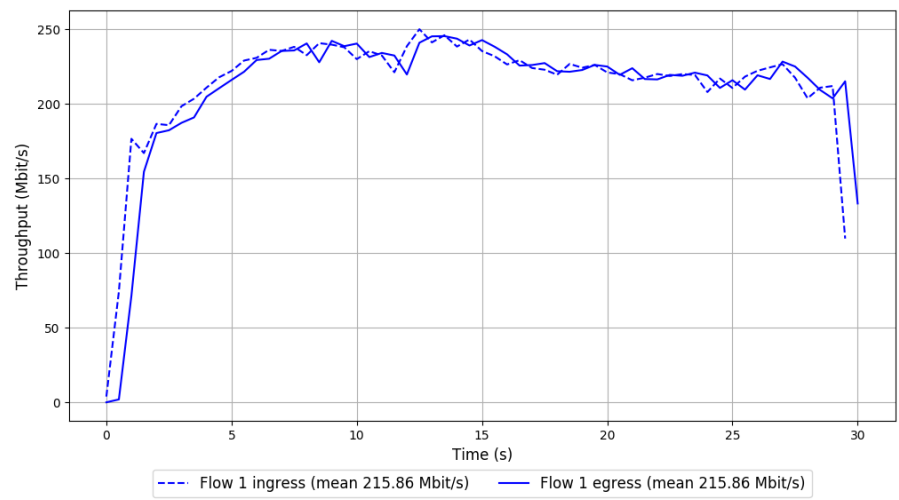
-- Flow 1:

Average throughput: 215.86 Mbit/s

95th percentile per-packet one-way delay: 54.066 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-20 03:08:47

End at: 2018-07-20 03:09:17

Local clock offset: 0.12 ms

Remote clock offset: 0.292 ms

Below is generated by plot.py at 2018-07-20 06:18:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.08 Mbit/s

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

Loss rate: 0.00%

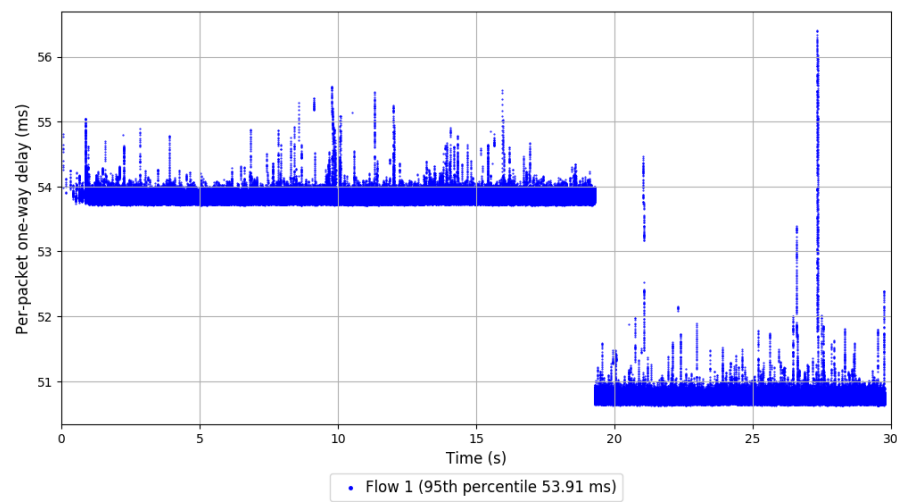
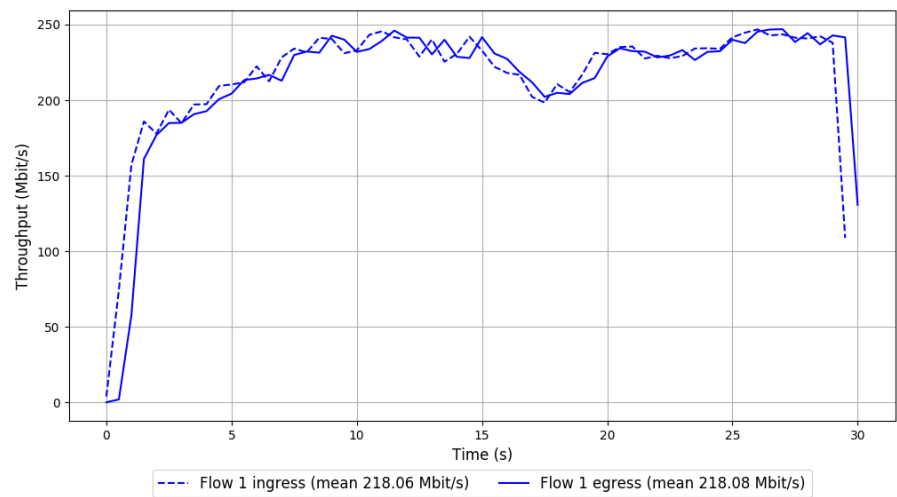
-- Flow 1:

Average throughput: 218.08 Mbit/s

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

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-20 03:30:52

End at: 2018-07-20 03:31:22

Local clock offset: -0.042 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-07-20 06:18:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 190.95 Mbit/s

95th percentile per-packet one-way delay: 53.563 ms

Loss rate: 0.01%

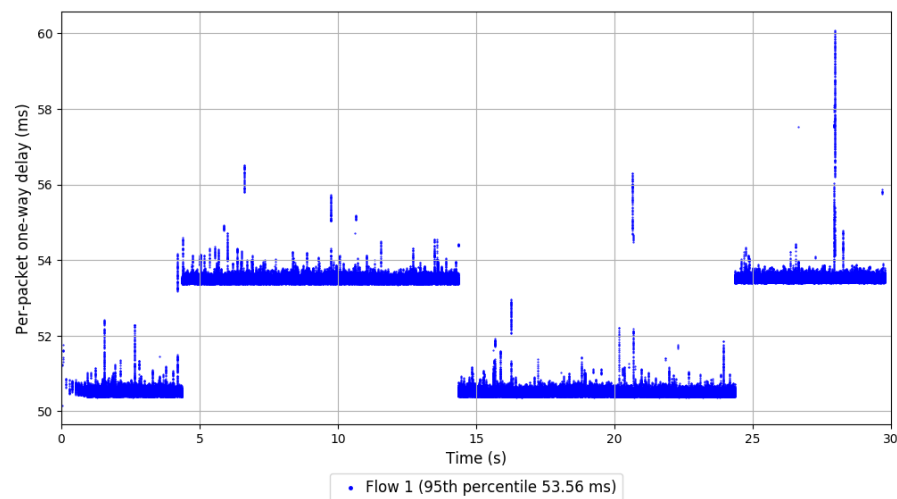
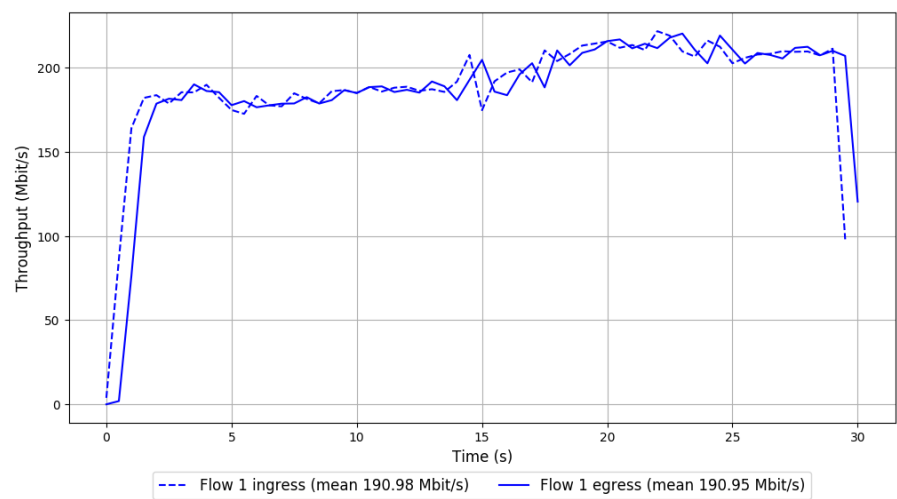
-- Flow 1:

Average throughput: 190.95 Mbit/s

95th percentile per-packet one-way delay: 53.563 ms

Loss rate: 0.01%

Run 6: Report of Indigo — Data Link

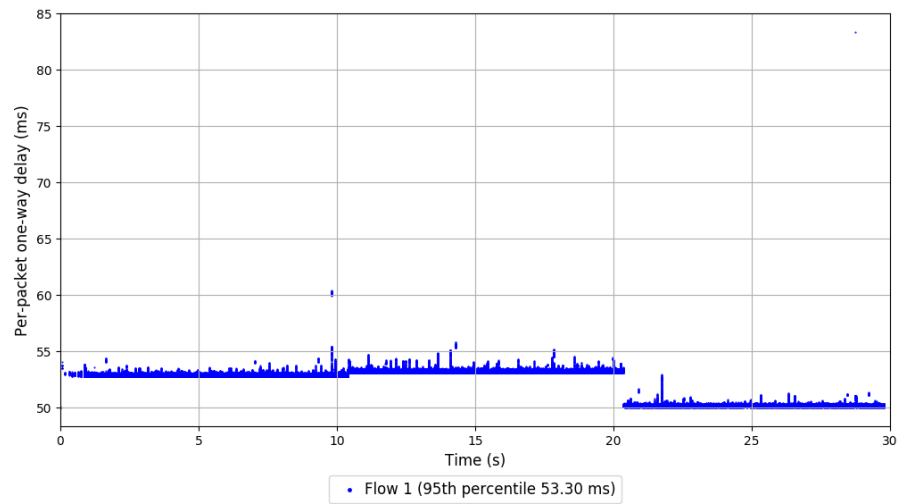
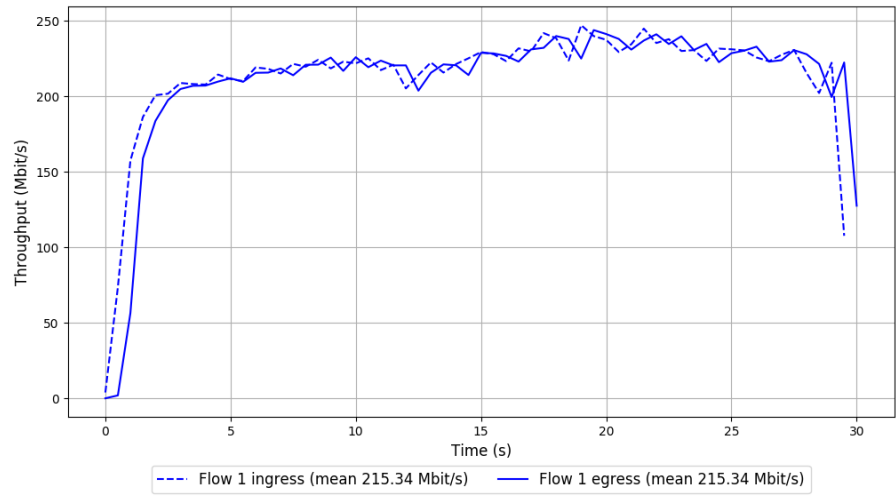


Run 7: Statistics of Indigo

Start at: 2018-07-20 03:53:06
End at: 2018-07-20 03:53:36
Local clock offset: 0.138 ms
Remote clock offset: -0.193 ms

Below is generated by plot.py at 2018-07-20 06:18:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 215.34 Mbit/s
95th percentile per-packet one-way delay: 53.296 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 215.34 Mbit/s
95th percentile per-packet one-way delay: 53.296 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-20 04:15:15

End at: 2018-07-20 04:15:45

Local clock offset: 0.045 ms

Remote clock offset: 1.156 ms

Below is generated by plot.py at 2018-07-20 06:18:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 161.78 Mbit/s

95th percentile per-packet one-way delay: 54.488 ms

Loss rate: 0.00%

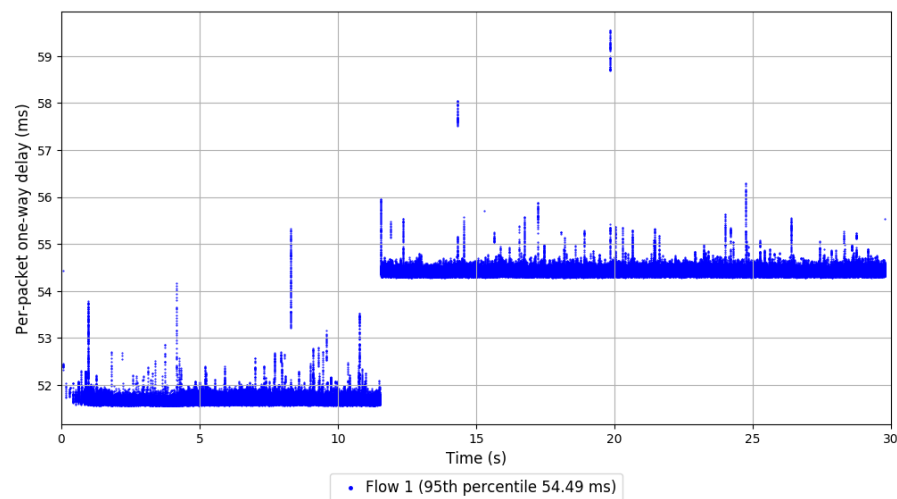
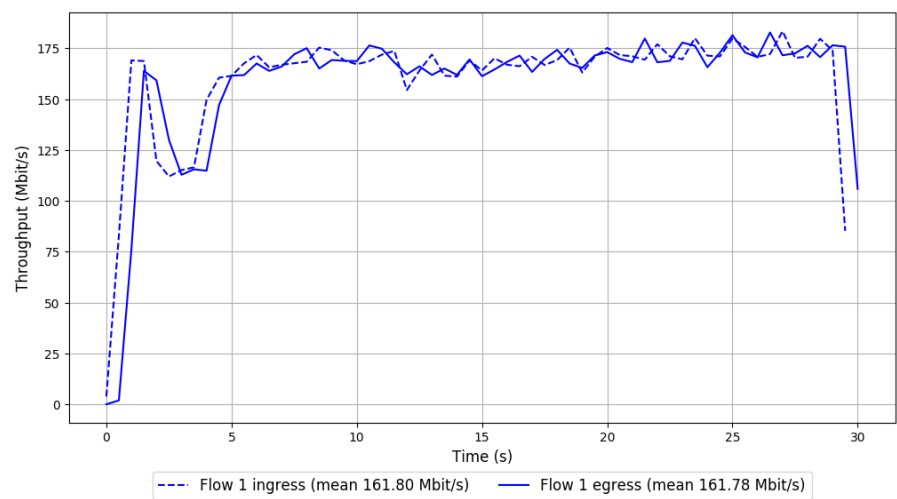
-- Flow 1:

Average throughput: 161.78 Mbit/s

95th percentile per-packet one-way delay: 54.488 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

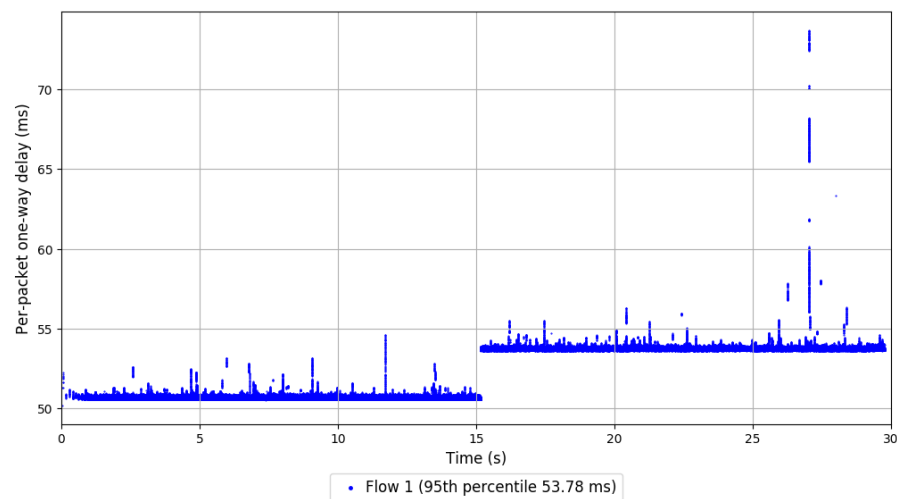
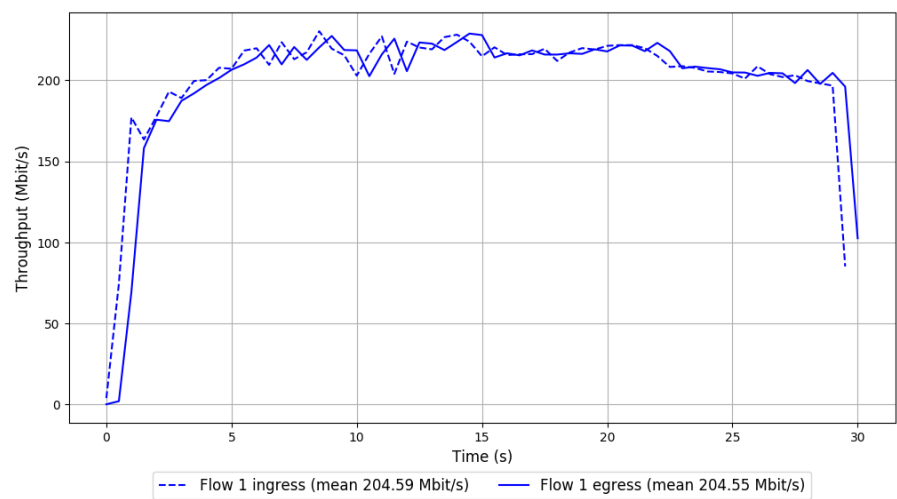


Run 9: Statistics of Indigo

Start at: 2018-07-20 04:37:01
End at: 2018-07-20 04:37:31
Local clock offset: -0.087 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-07-20 06:18:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 204.55 Mbit/s
95th percentile per-packet one-way delay: 53.784 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 204.55 Mbit/s
95th percentile per-packet one-way delay: 53.784 ms
Loss rate: 0.01%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-20 04:59:16

End at: 2018-07-20 04:59:46

Local clock offset: -0.229 ms

Remote clock offset: -0.175 ms

Below is generated by plot.py at 2018-07-20 06:18:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 194.59 Mbit/s

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

Loss rate: 0.01%

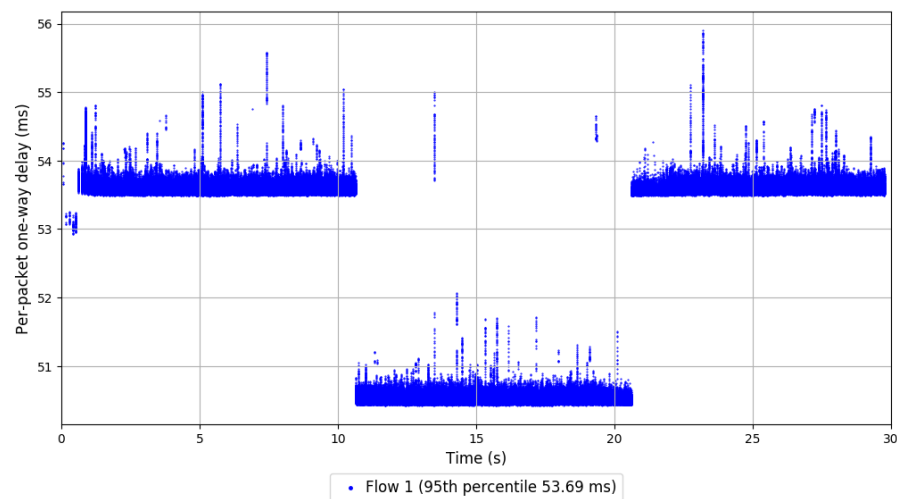
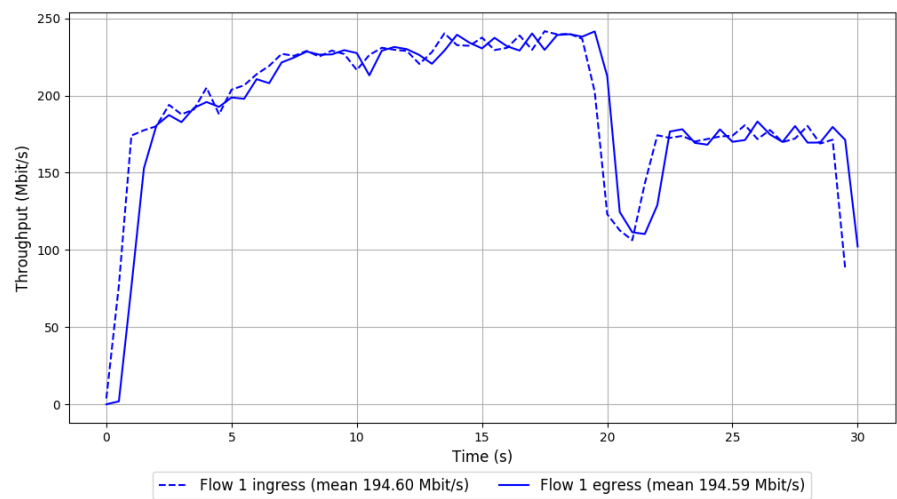
-- Flow 1:

Average throughput: 194.59 Mbit/s

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

Loss rate: 0.01%

Run 10: Report of Indigo — Data Link

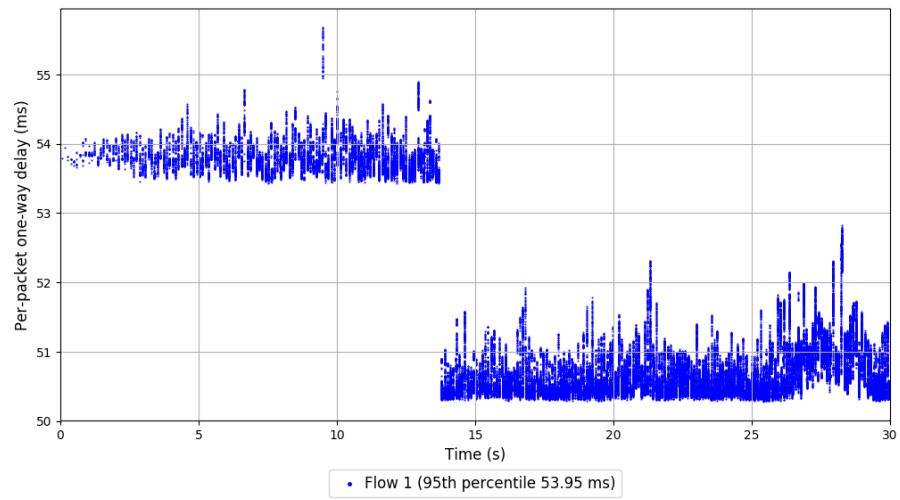
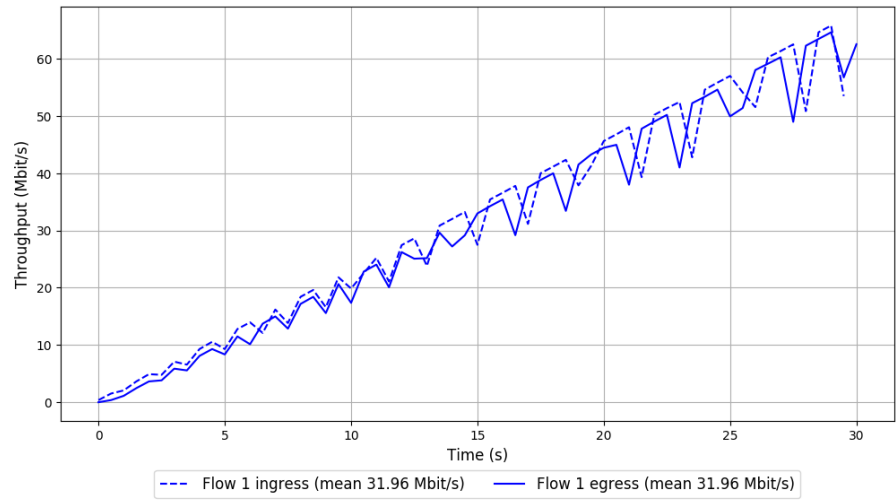


Run 1: Statistics of LEDBAT

Start at: 2018-07-20 01:19:13
End at: 2018-07-20 01:19:43
Local clock offset: -0.033 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2018-07-20 06:18:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 31.96 Mbit/s
95th percentile per-packet one-way delay: 53.945 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 31.96 Mbit/s
95th percentile per-packet one-way delay: 53.945 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-07-20 01:40:54

End at: 2018-07-20 01:41:24

Local clock offset: -0.254 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2018-07-20 06:18:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.20 Mbit/s

95th percentile per-packet one-way delay: 54.302 ms

Loss rate: 0.00%

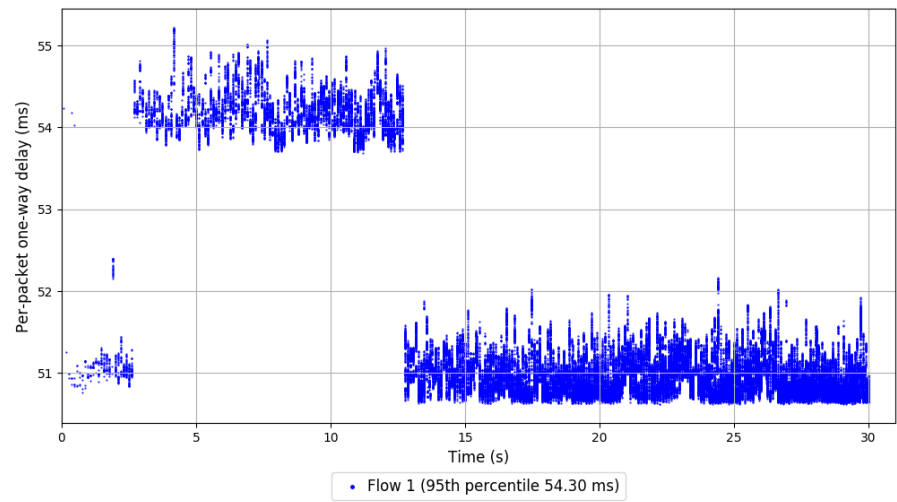
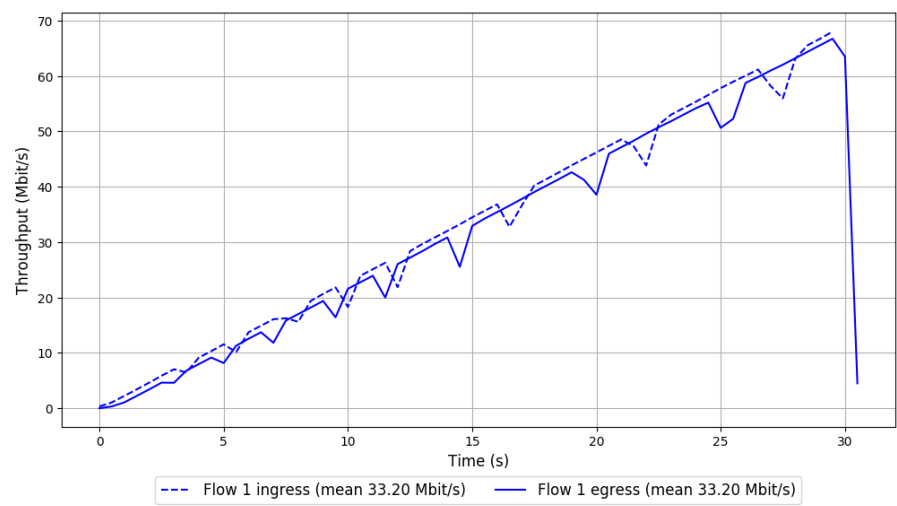
-- Flow 1:

Average throughput: 33.20 Mbit/s

95th percentile per-packet one-way delay: 54.302 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-20 02:03:12

End at: 2018-07-20 02:03:42

Local clock offset: -0.081 ms

Remote clock offset: 0.072 ms

Below is generated by plot.py at 2018-07-20 06:18:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.29 Mbit/s

95th percentile per-packet one-way delay: 54.097 ms

Loss rate: 0.00%

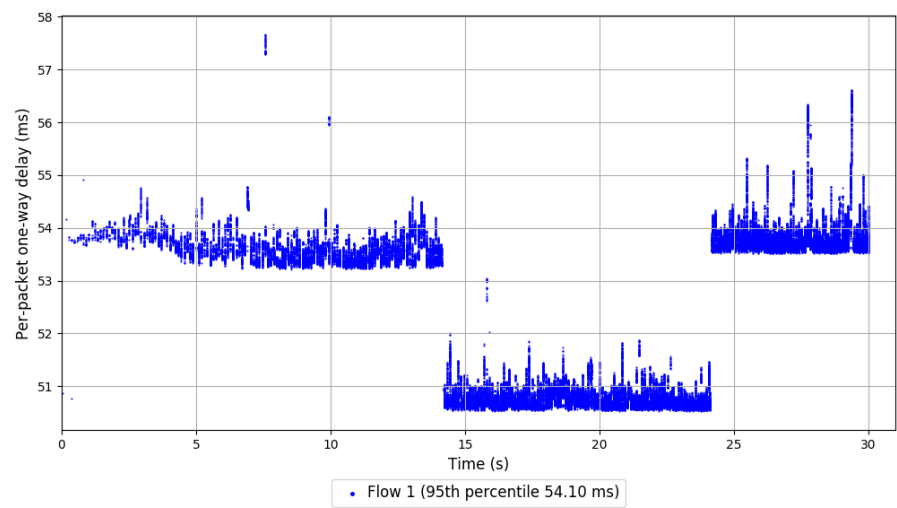
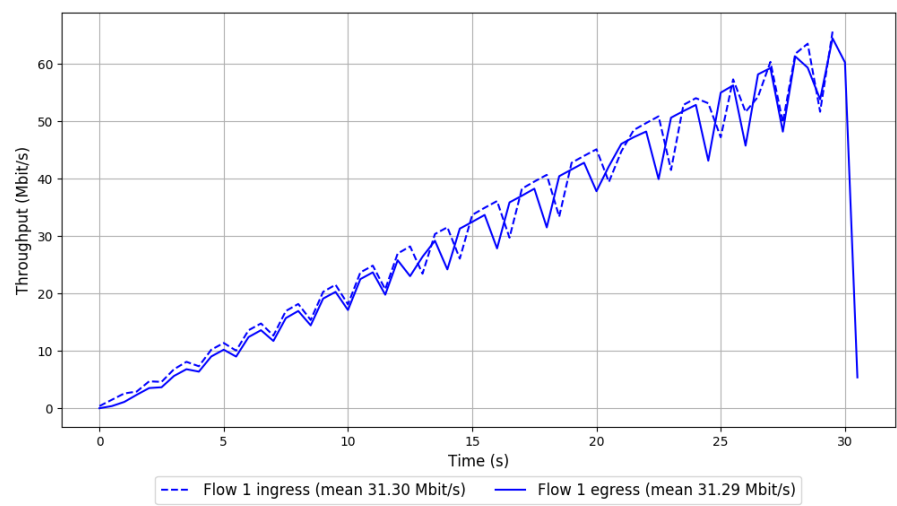
-- Flow 1:

Average throughput: 31.29 Mbit/s

95th percentile per-packet one-way delay: 54.097 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-20 02:25:40

End at: 2018-07-20 02:26:10

Local clock offset: -0.394 ms

Remote clock offset: 1.015 ms

Below is generated by plot.py at 2018-07-20 06:18:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.53 Mbit/s

95th percentile per-packet one-way delay: 55.872 ms

Loss rate: 0.00%

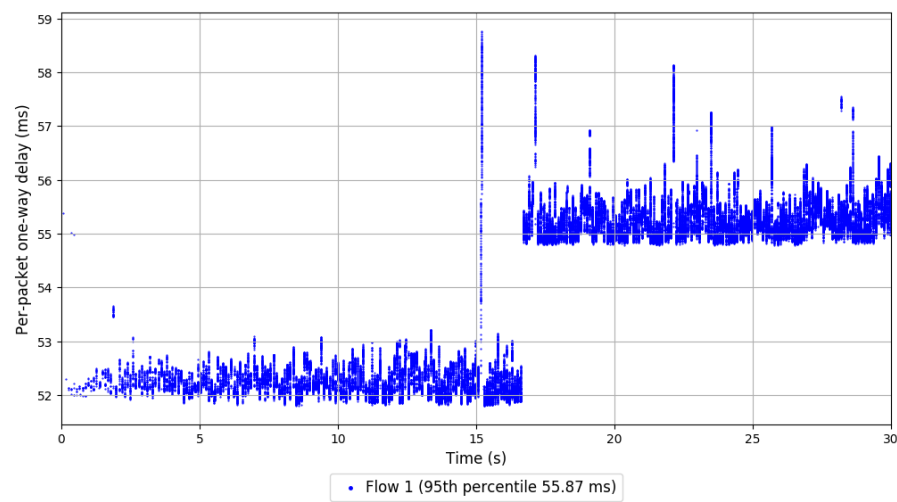
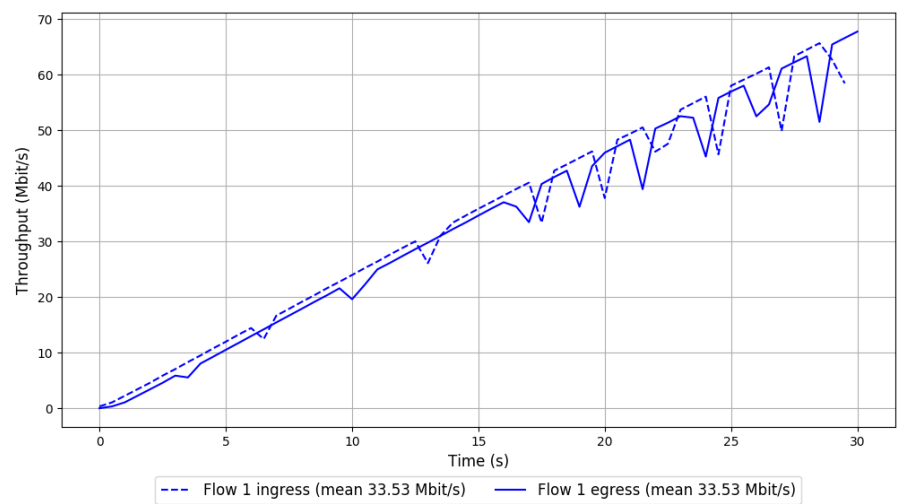
-- Flow 1:

Average throughput: 33.53 Mbit/s

95th percentile per-packet one-way delay: 55.872 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-07-20 02:48:03

End at: 2018-07-20 02:48:33

Local clock offset: -0.189 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2018-07-20 06:18:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.50 Mbit/s

95th percentile per-packet one-way delay: 54.038 ms

Loss rate: 0.00%

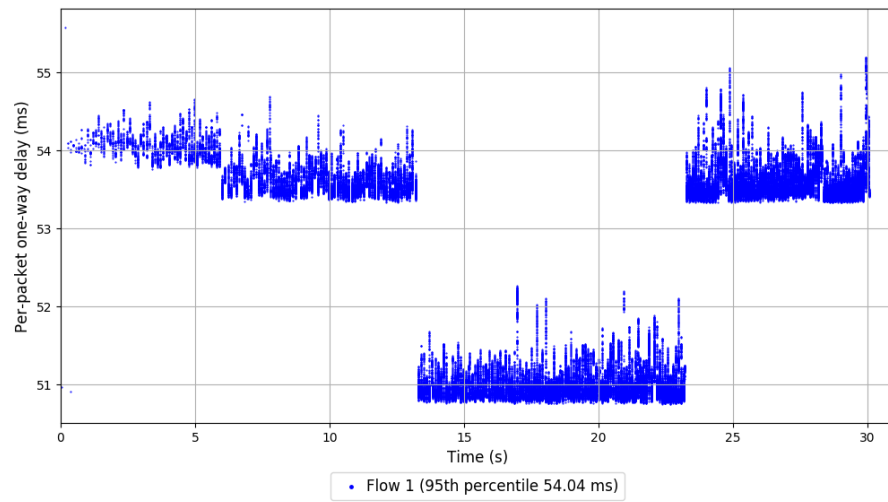
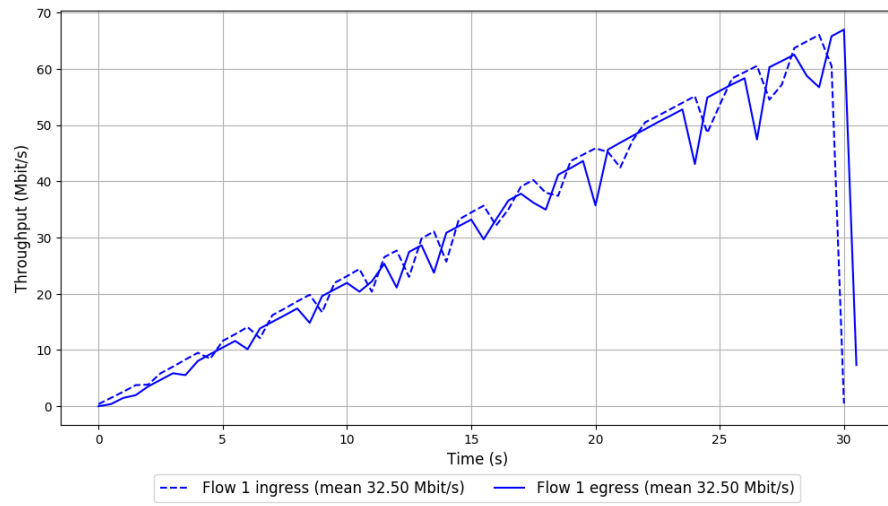
-- Flow 1:

Average throughput: 32.50 Mbit/s

95th percentile per-packet one-way delay: 54.038 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

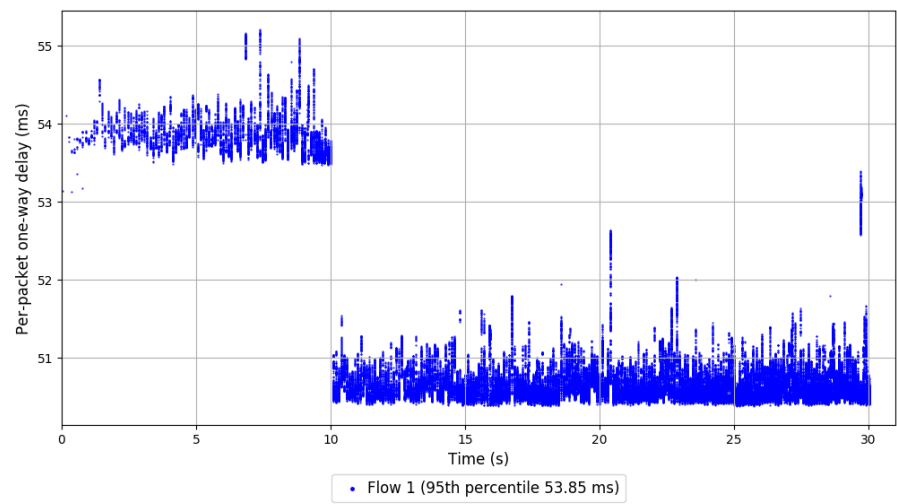
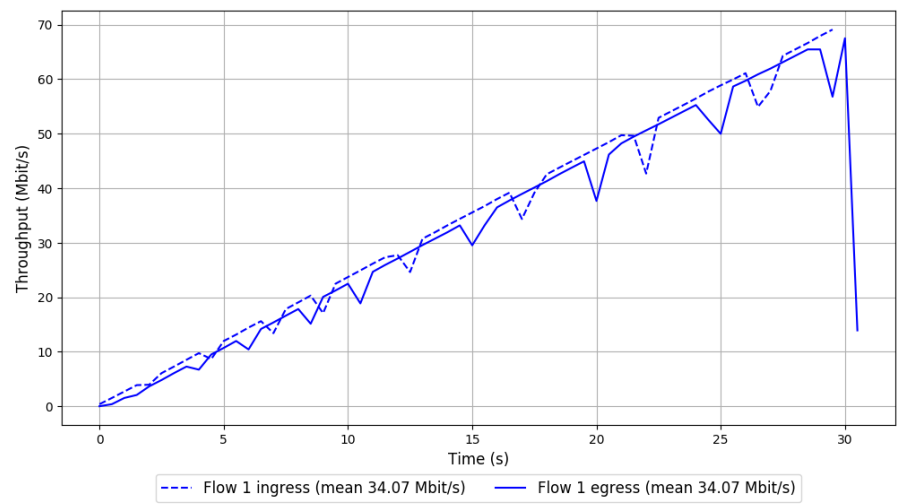


Run 6: Statistics of LEDBAT

Start at: 2018-07-20 03:10:07
End at: 2018-07-20 03:10:37
Local clock offset: -0.037 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-07-20 06:18:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.07 Mbit/s
95th percentile per-packet one-way delay: 53.852 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.07 Mbit/s
95th percentile per-packet one-way delay: 53.852 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-20 03:32:10

End at: 2018-07-20 03:32:40

Local clock offset: -0.008 ms

Remote clock offset: 1.25 ms

Below is generated by plot.py at 2018-07-20 06:18:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.14 Mbit/s

95th percentile per-packet one-way delay: 53.568 ms

Loss rate: 0.00%

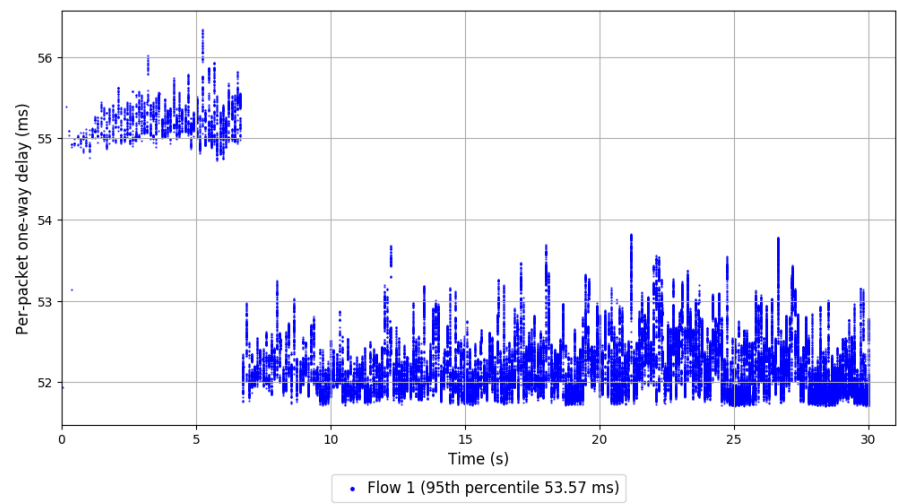
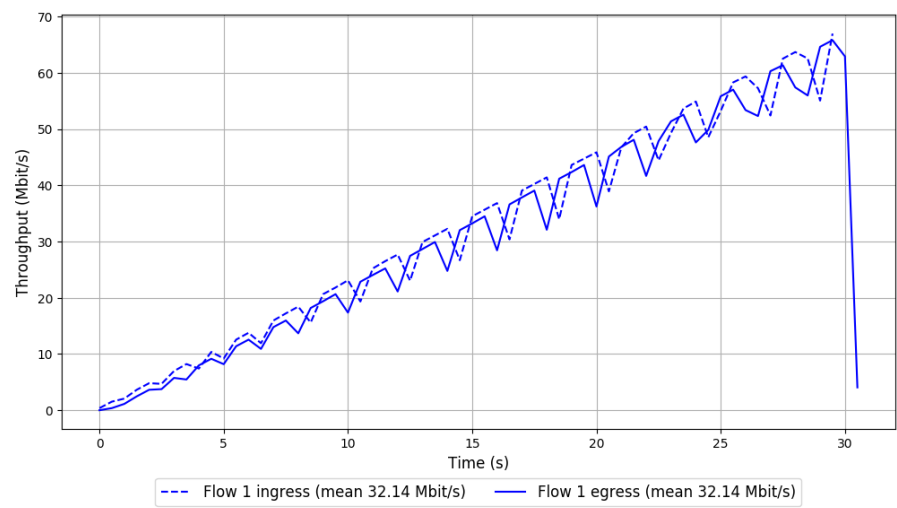
-- Flow 1:

Average throughput: 32.14 Mbit/s

95th percentile per-packet one-way delay: 53.568 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

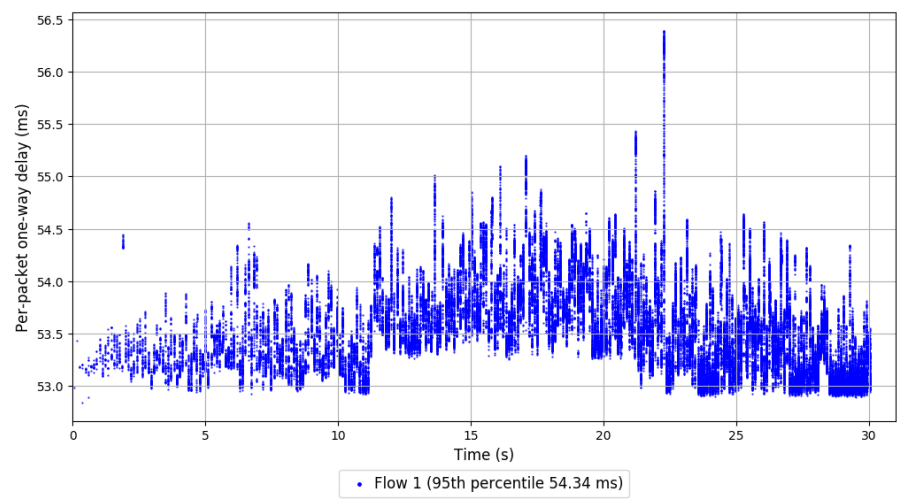
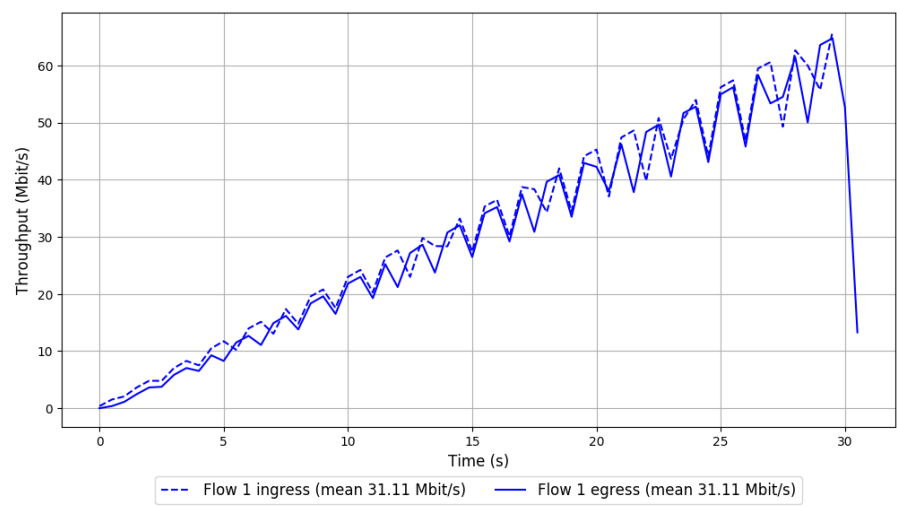


Run 8: Statistics of LEDBAT

Start at: 2018-07-20 03:54:25
End at: 2018-07-20 03:54:55
Local clock offset: -0.172 ms
Remote clock offset: -0.381 ms

Below is generated by plot.py at 2018-07-20 06:18:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 31.11 Mbit/s
95th percentile per-packet one-way delay: 54.337 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 31.11 Mbit/s
95th percentile per-packet one-way delay: 54.337 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-20 04:16:31

End at: 2018-07-20 04:17:01

Local clock offset: -0.257 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2018-07-20 06:18:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.88 Mbit/s

95th percentile per-packet one-way delay: 54.531 ms

Loss rate: 0.00%

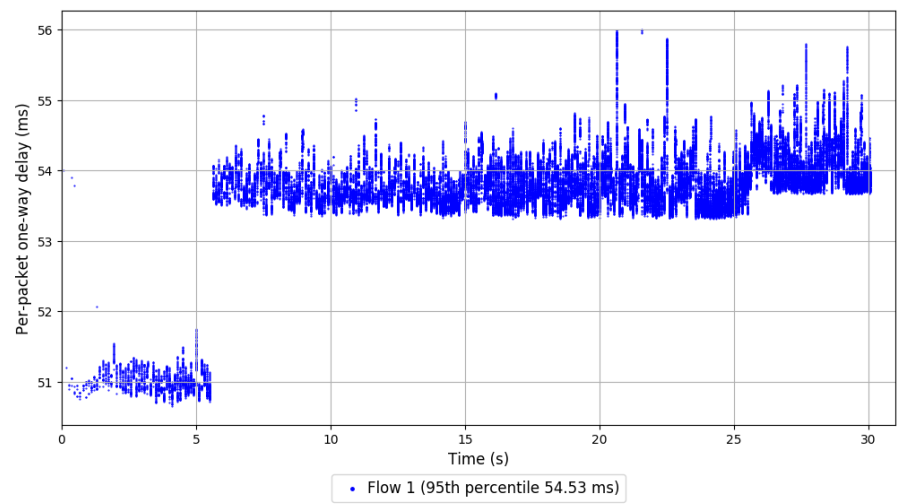
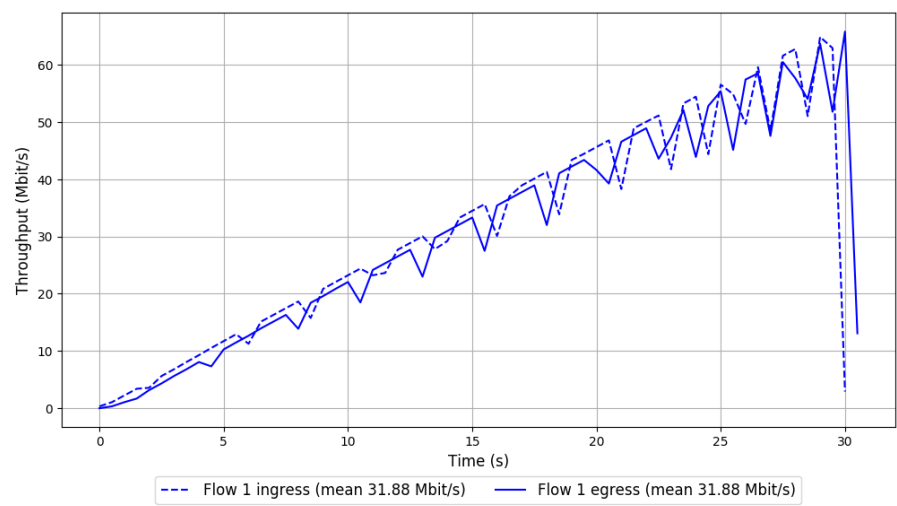
-- Flow 1:

Average throughput: 31.88 Mbit/s

95th percentile per-packet one-way delay: 54.531 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-20 04:38:20

End at: 2018-07-20 04:38:50

Local clock offset: -0.142 ms

Remote clock offset: 1.283 ms

Below is generated by plot.py at 2018-07-20 06:18:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.30 Mbit/s

95th percentile per-packet one-way delay: 56.109 ms

Loss rate: 0.08%

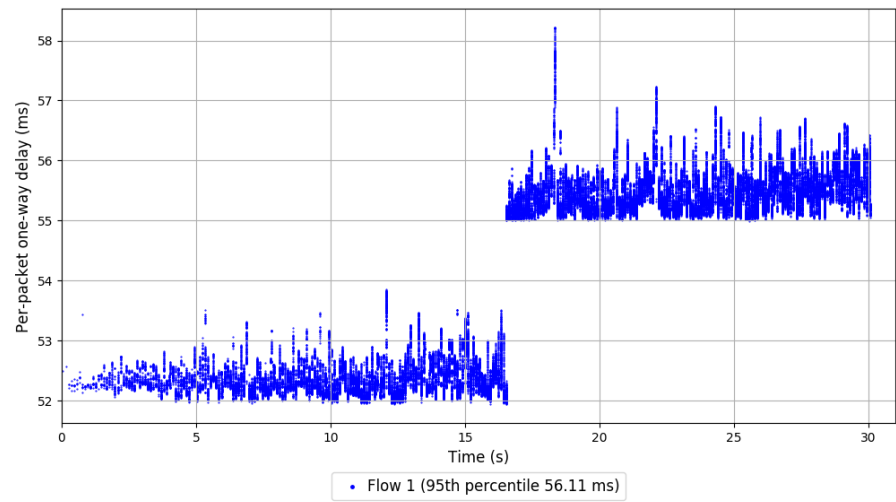
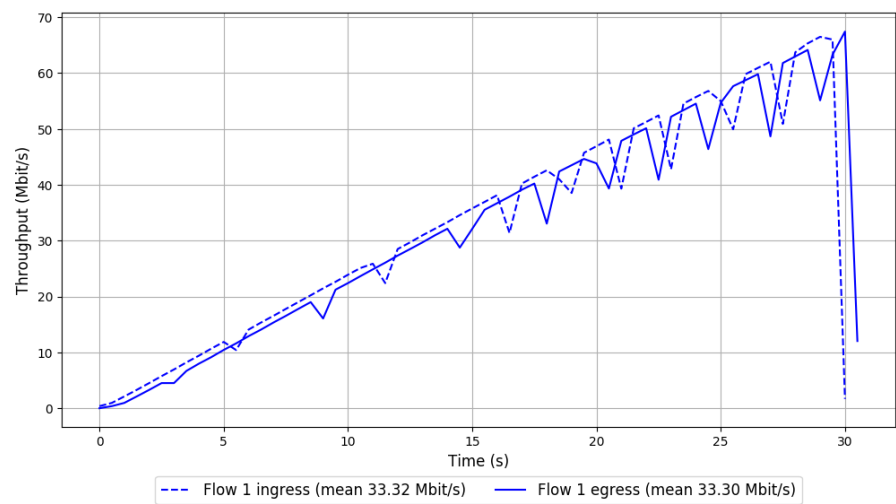
-- Flow 1:

Average throughput: 33.30 Mbit/s

95th percentile per-packet one-way delay: 56.109 ms

Loss rate: 0.08%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-07-20 01:34:02

End at: 2018-07-20 01:34:32

Local clock offset: 0.135 ms

Remote clock offset: -1.536 ms

Below is generated by plot.py at 2018-07-20 06:22:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 529.52 Mbit/s

95th percentile per-packet one-way delay: 88.903 ms

Loss rate: 0.17%

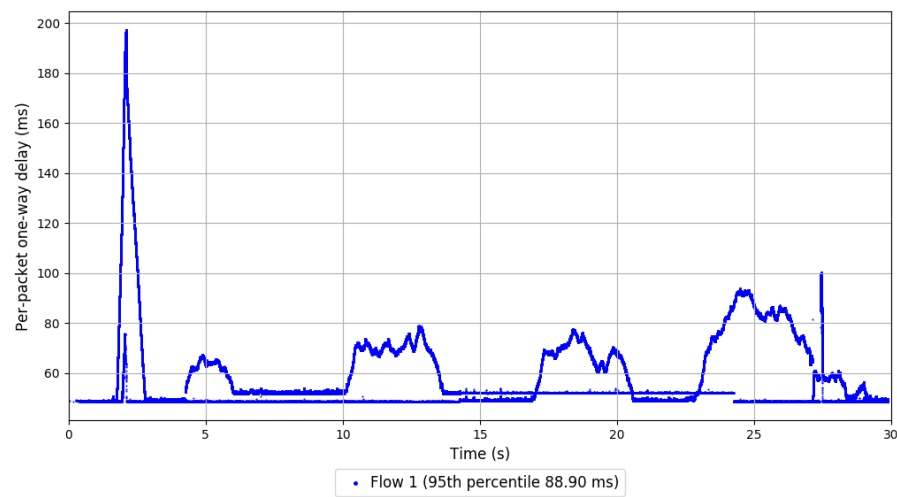
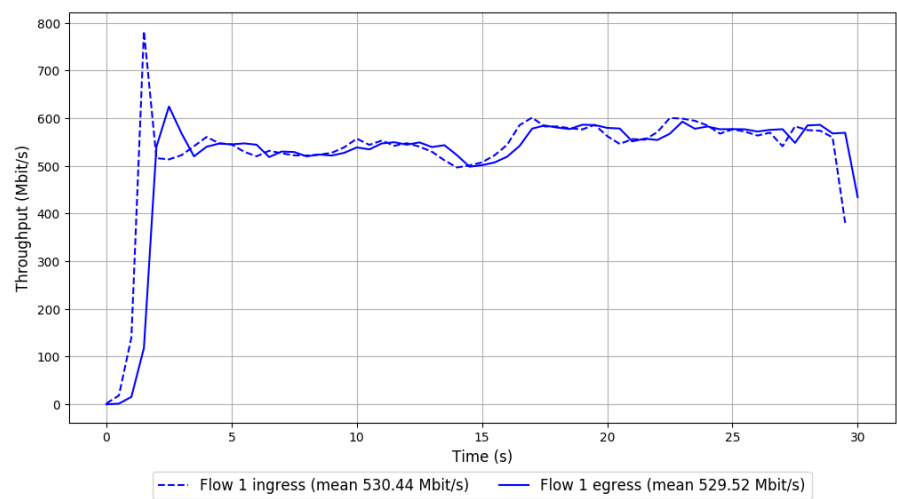
-- Flow 1:

Average throughput: 529.52 Mbit/s

95th percentile per-packet one-way delay: 88.903 ms

Loss rate: 0.17%

Run 1: Report of PCC-Allegro — Data Link

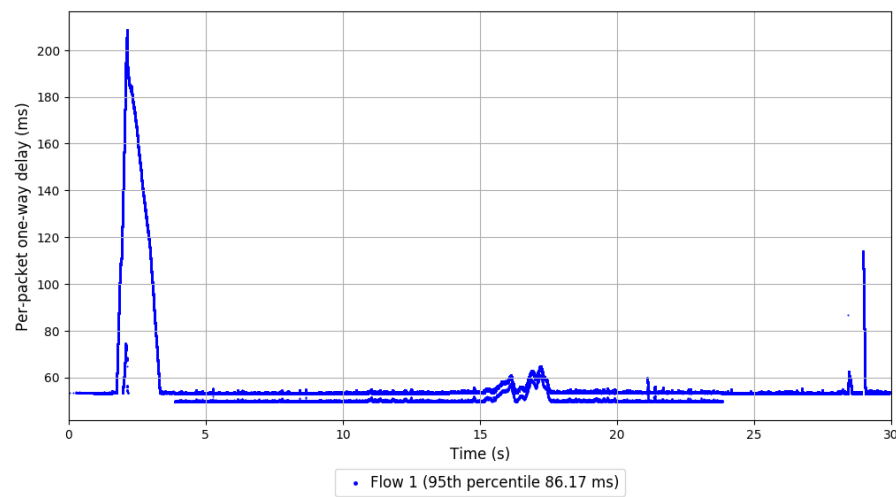
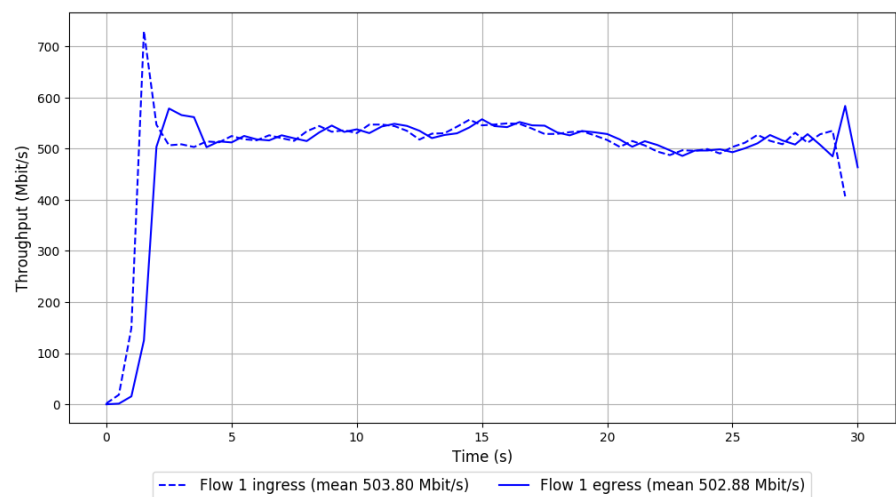


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-20 01:56:23
End at: 2018-07-20 01:56:53
Local clock offset: 0.132 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-20 06:22:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 502.88 Mbit/s
95th percentile per-packet one-way delay: 86.168 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 502.88 Mbit/s
95th percentile per-packet one-way delay: 86.168 ms
Loss rate: 0.18%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-20 02:18:40

End at: 2018-07-20 02:19:10

Local clock offset: -0.093 ms

Remote clock offset: -0.28 ms

Below is generated by plot.py at 2018-07-20 06:23:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 537.83 Mbit/s

95th percentile per-packet one-way delay: 176.786 ms

Loss rate: 0.58%

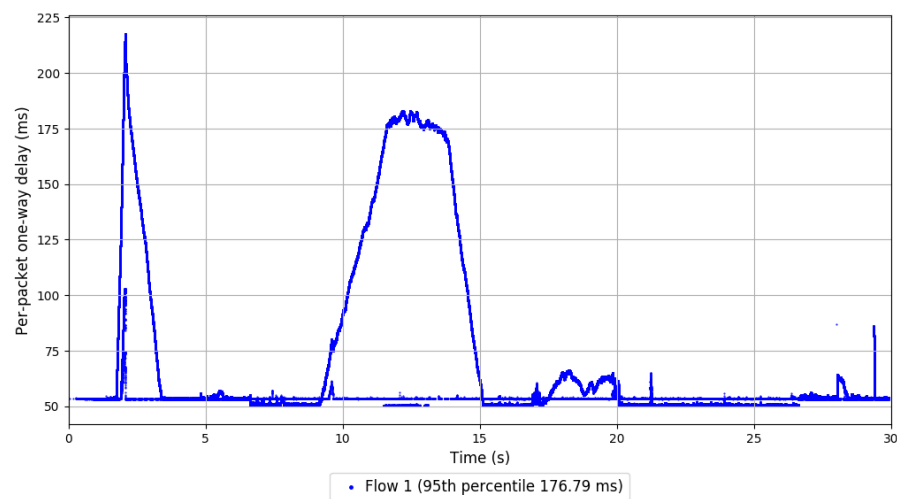
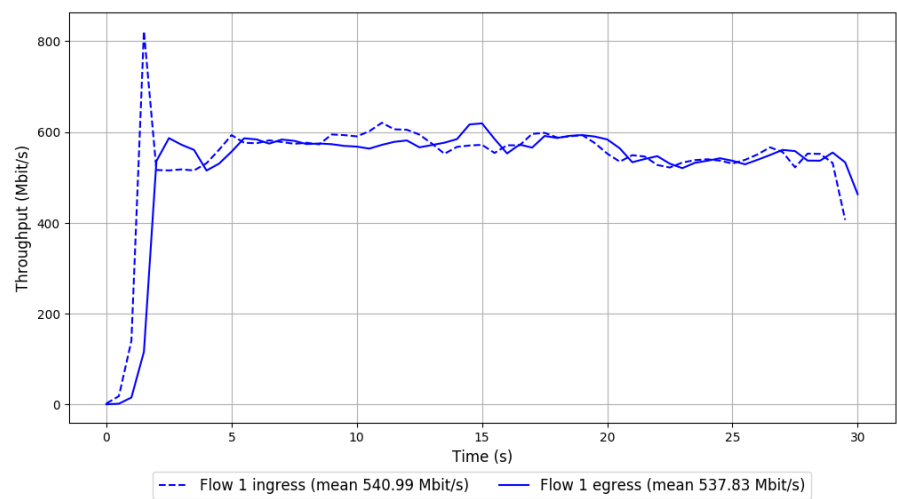
-- Flow 1:

Average throughput: 537.83 Mbit/s

95th percentile per-packet one-way delay: 176.786 ms

Loss rate: 0.58%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-20 02:41:07

End at: 2018-07-20 02:41:37

Local clock offset: -0.004 ms

Remote clock offset: -0.125 ms

Below is generated by plot.py at 2018-07-20 06:23:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 503.33 Mbit/s

95th percentile per-packet one-way delay: 152.417 ms

Loss rate: 0.27%

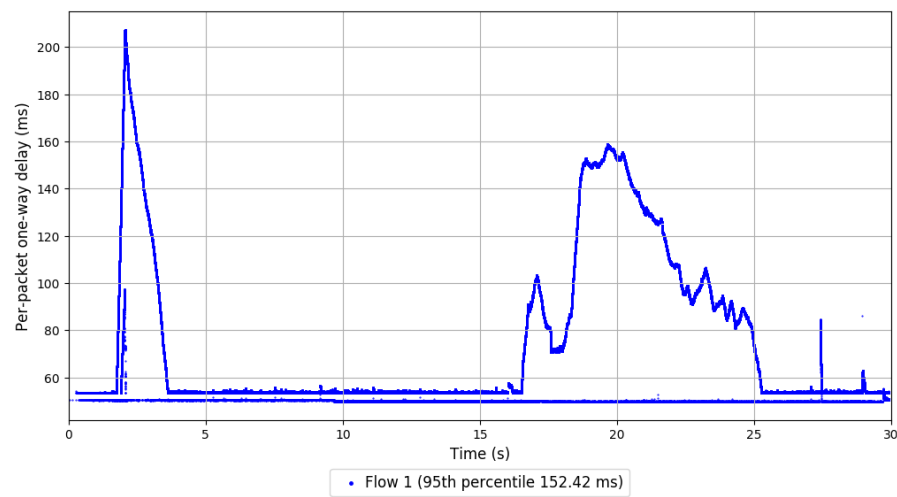
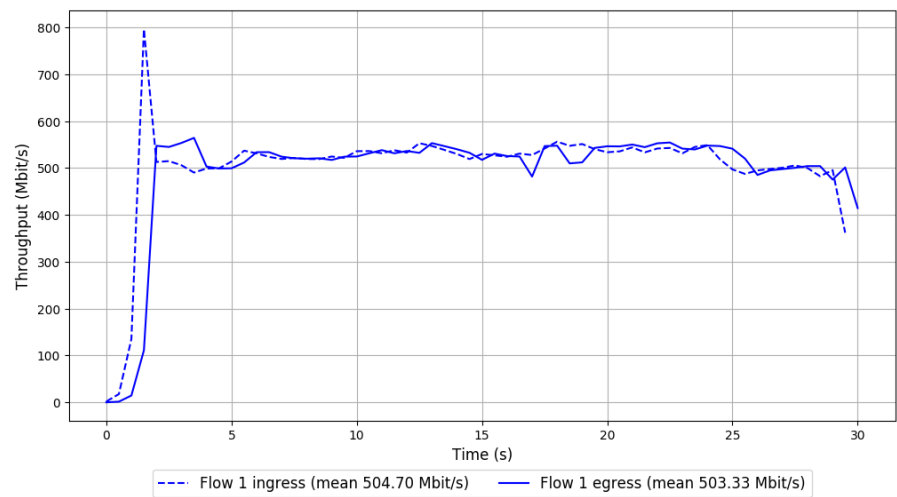
-- Flow 1:

Average throughput: 503.33 Mbit/s

95th percentile per-packet one-way delay: 152.417 ms

Loss rate: 0.27%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-20 03:03:18

End at: 2018-07-20 03:03:48

Local clock offset: -0.004 ms

Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-20 06:26:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 502.47 Mbit/s

95th percentile per-packet one-way delay: 62.893 ms

Loss rate: 0.29%

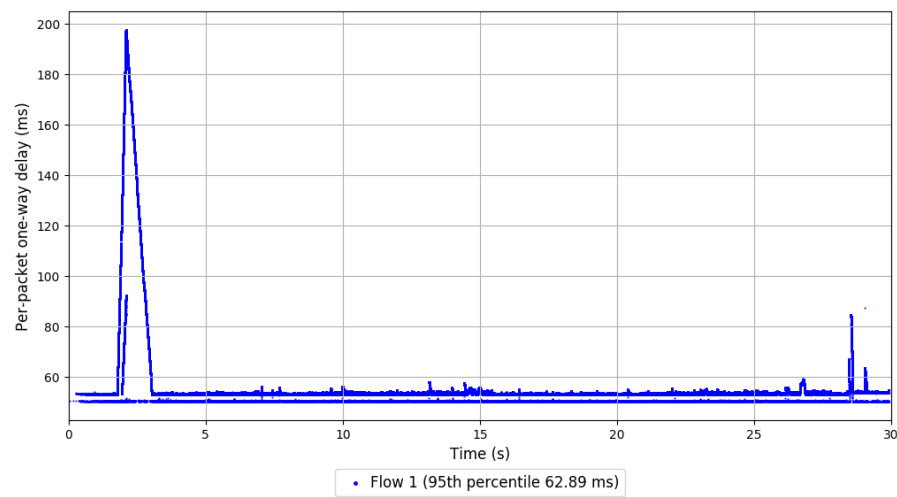
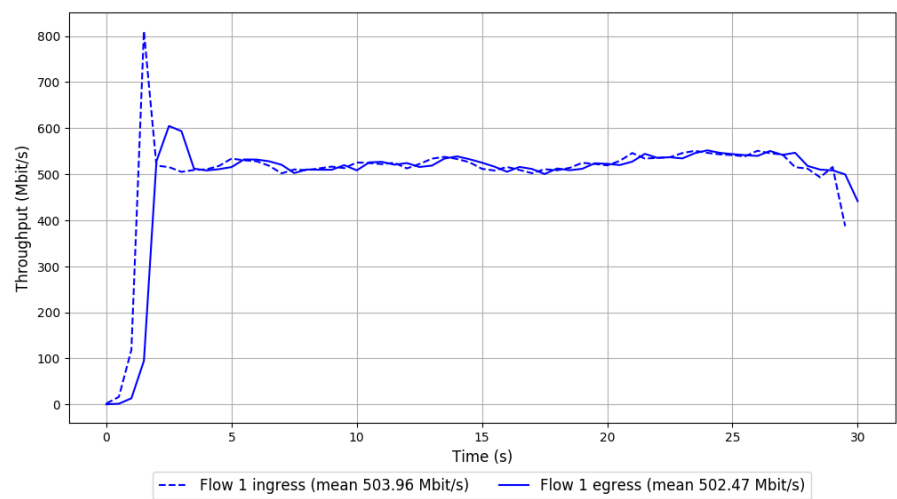
-- Flow 1:

Average throughput: 502.47 Mbit/s

95th percentile per-packet one-way delay: 62.893 ms

Loss rate: 0.29%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-20 03:25:21

End at: 2018-07-20 03:25:51

Local clock offset: 0.058 ms

Remote clock offset: 1.224 ms

Below is generated by plot.py at 2018-07-20 06:27:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 544.59 Mbit/s

95th percentile per-packet one-way delay: 99.786 ms

Loss rate: 0.28%

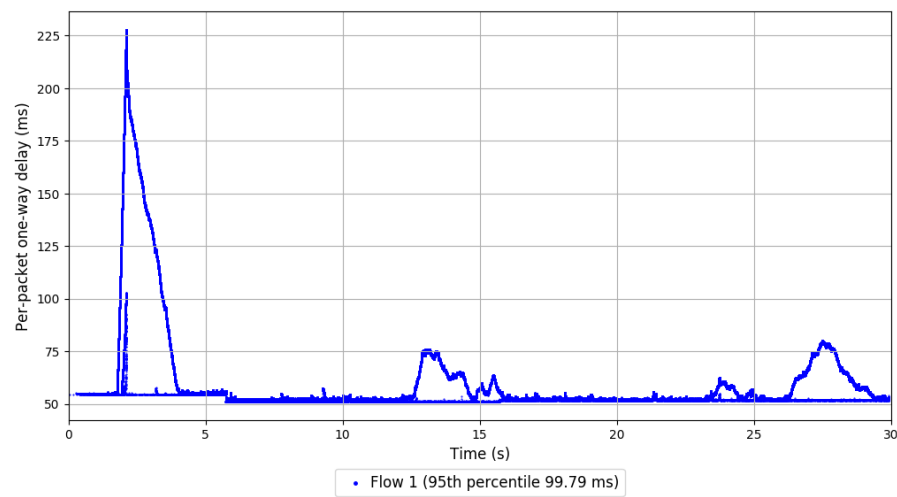
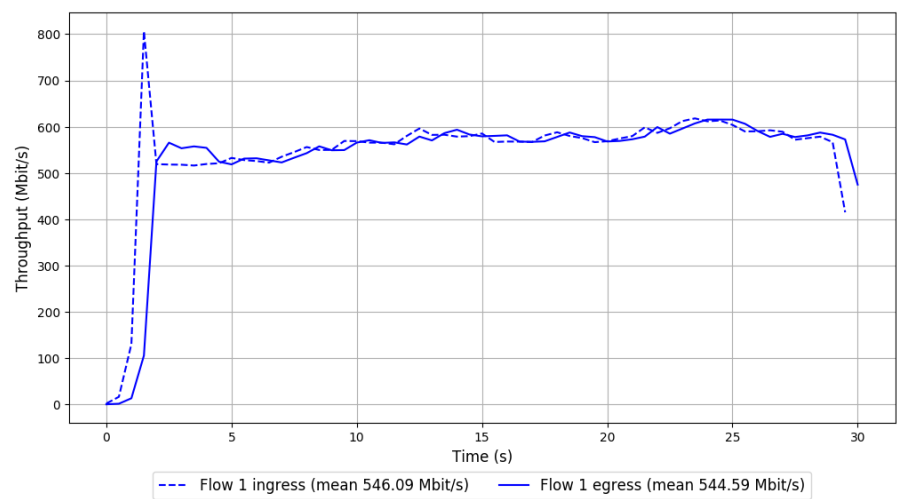
-- Flow 1:

Average throughput: 544.59 Mbit/s

95th percentile per-packet one-way delay: 99.786 ms

Loss rate: 0.28%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-20 03:47:29

End at: 2018-07-20 03:47:59

Local clock offset: -0.055 ms

Remote clock offset: 1.053 ms

Below is generated by plot.py at 2018-07-20 06:28:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 537.65 Mbit/s

95th percentile per-packet one-way delay: 112.386 ms

Loss rate: 0.40%

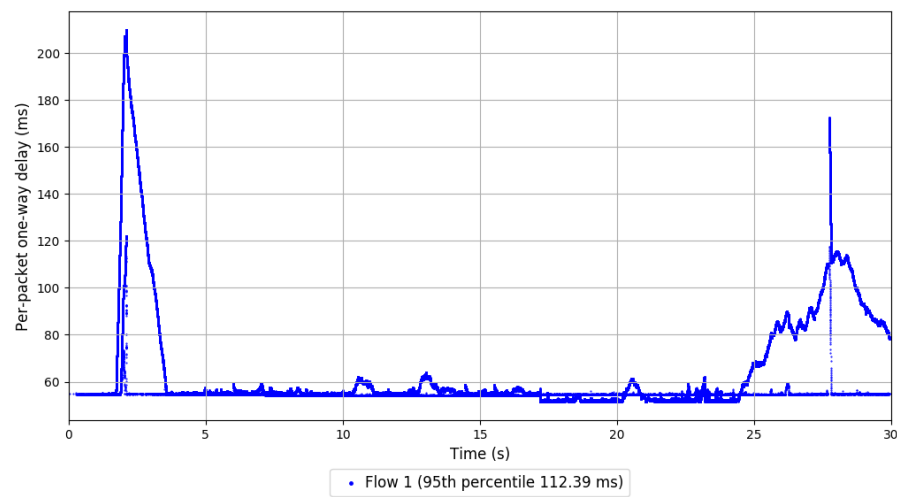
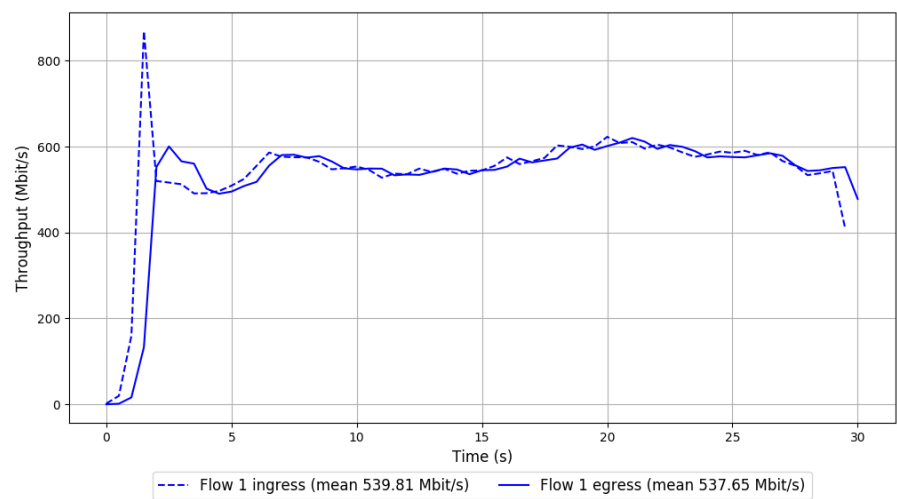
-- Flow 1:

Average throughput: 537.65 Mbit/s

95th percentile per-packet one-way delay: 112.386 ms

Loss rate: 0.40%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-20 04:09:33

End at: 2018-07-20 04:10:03

Local clock offset: -0.114 ms

Remote clock offset: 1.336 ms

Below is generated by plot.py at 2018-07-20 06:28:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 546.43 Mbit/s

95th percentile per-packet one-way delay: 100.522 ms

Loss rate: 0.33%

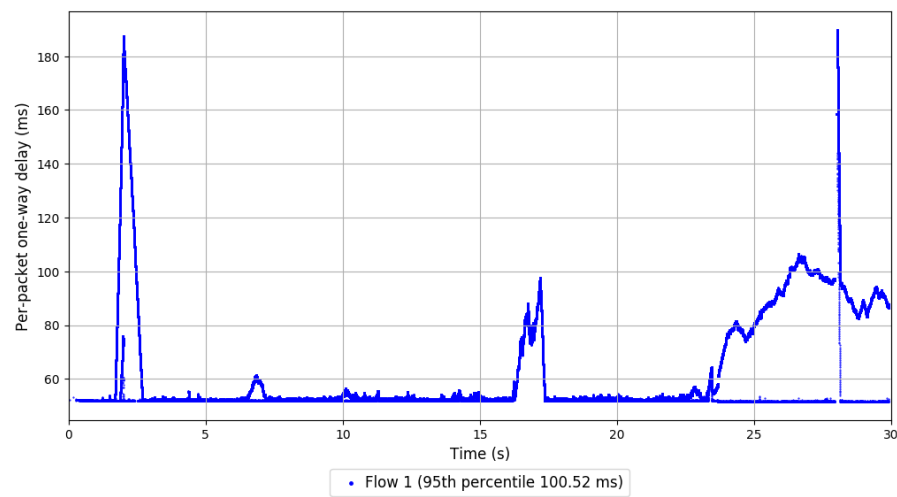
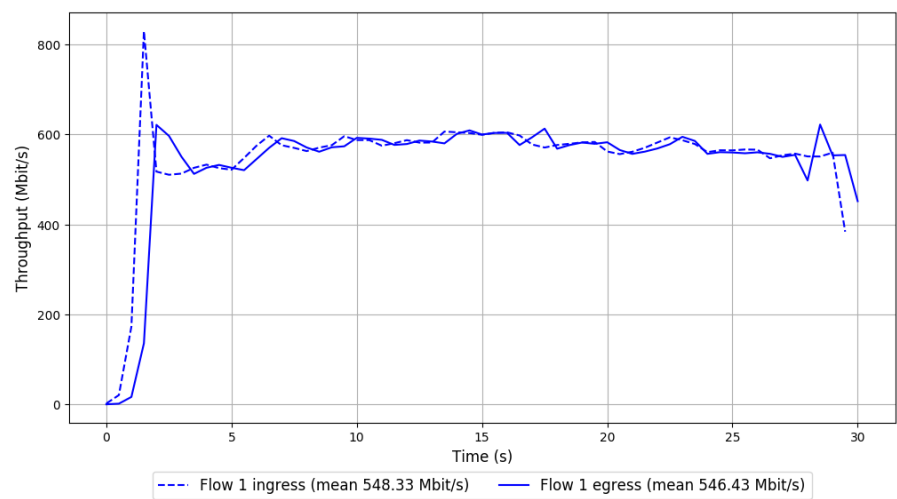
-- Flow 1:

Average throughput: 546.43 Mbit/s

95th percentile per-packet one-way delay: 100.522 ms

Loss rate: 0.33%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-20 04:31:36

End at: 2018-07-20 04:32:06

Local clock offset: 0.114 ms

Remote clock offset: 1.127 ms

Below is generated by plot.py at 2018-07-20 06:32:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 527.85 Mbit/s

95th percentile per-packet one-way delay: 74.310 ms

Loss rate: 0.25%

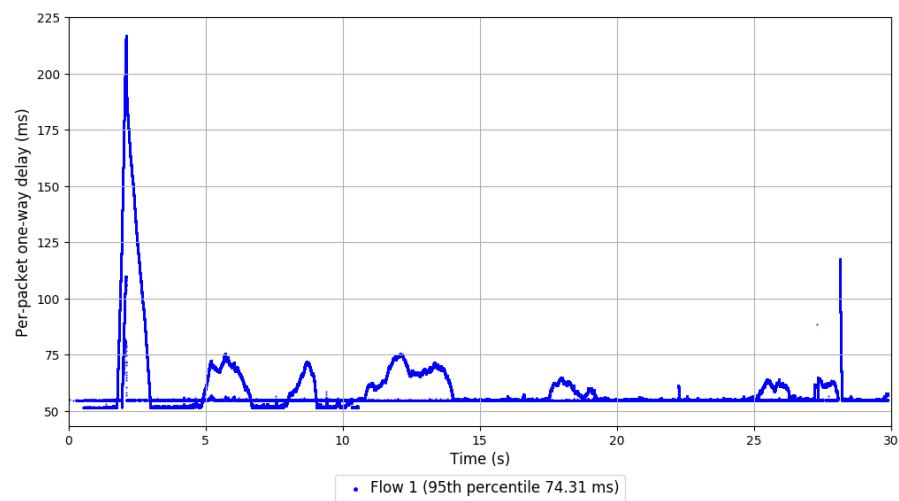
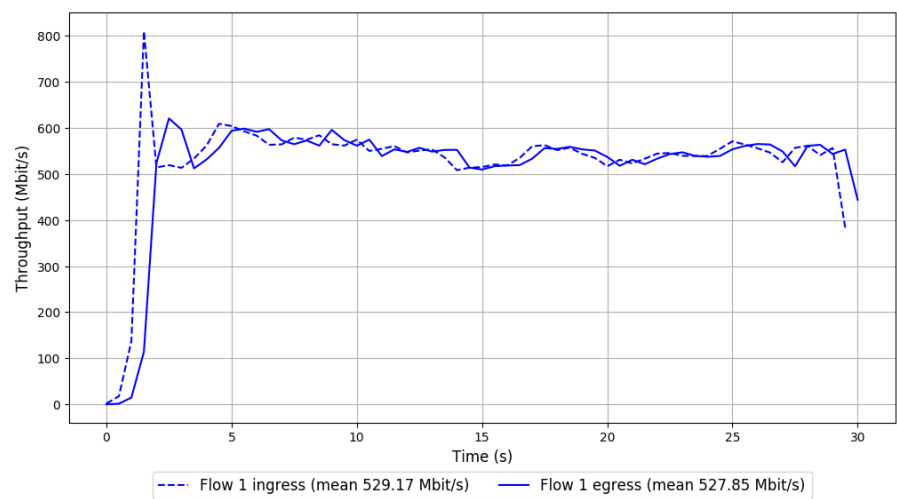
-- Flow 1:

Average throughput: 527.85 Mbit/s

95th percentile per-packet one-way delay: 74.310 ms

Loss rate: 0.25%

Run 9: Report of PCC-Allegro — Data Link

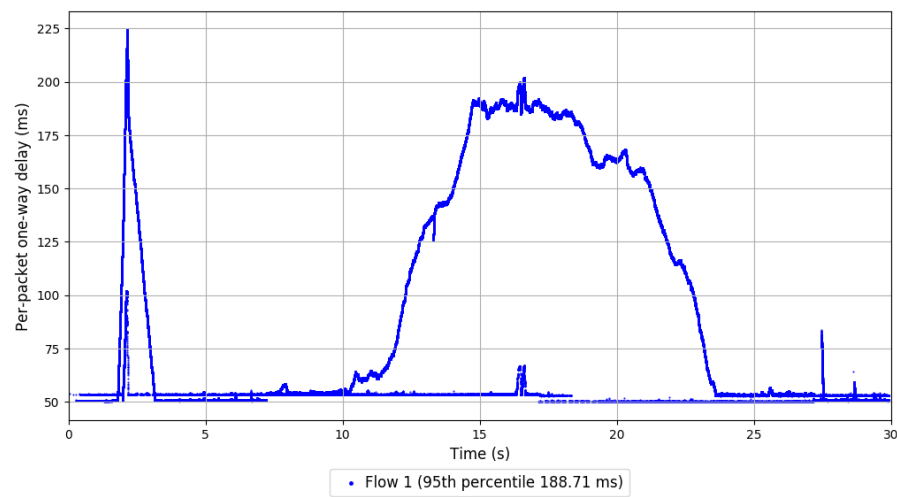
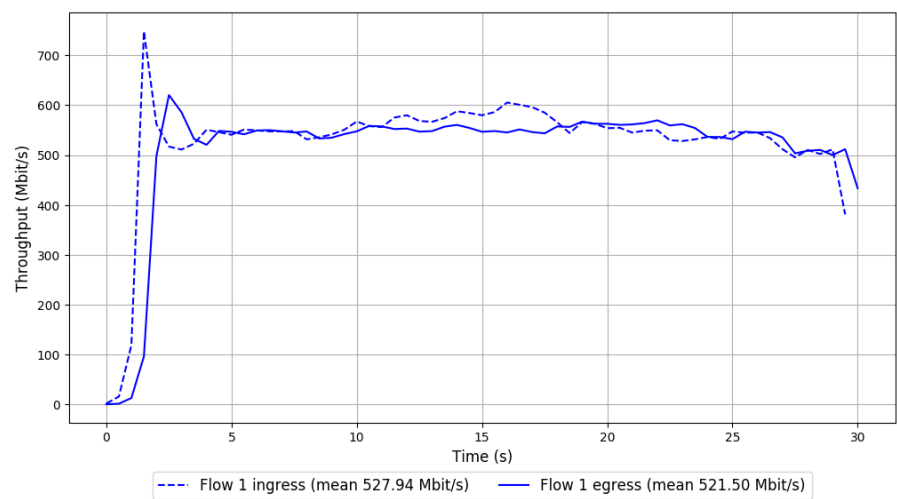


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-20 04:53:39
End at: 2018-07-20 04:54:09
Local clock offset: -0.079 ms
Remote clock offset: -0.223 ms

Below is generated by plot.py at 2018-07-20 06:32:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 521.50 Mbit/s
95th percentile per-packet one-way delay: 188.712 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 521.50 Mbit/s
95th percentile per-packet one-way delay: 188.712 ms
Loss rate: 1.22%

Run 10: Report of PCC-Allegro — Data Link

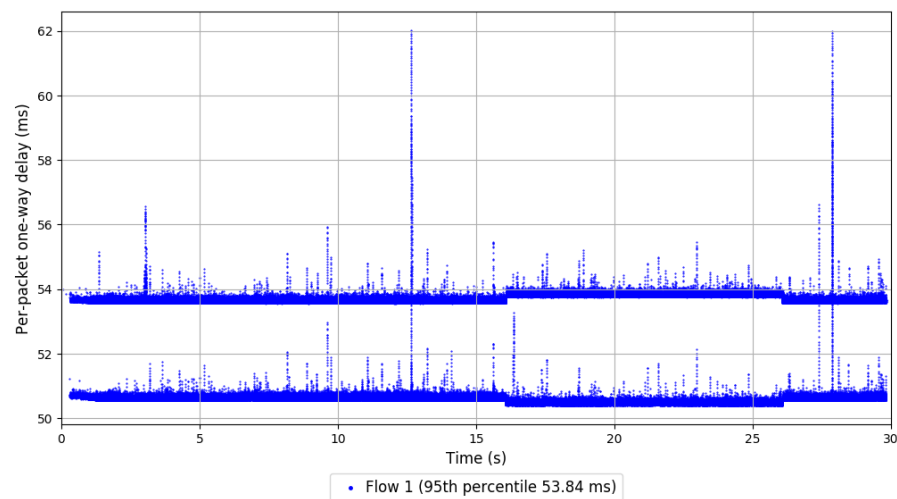
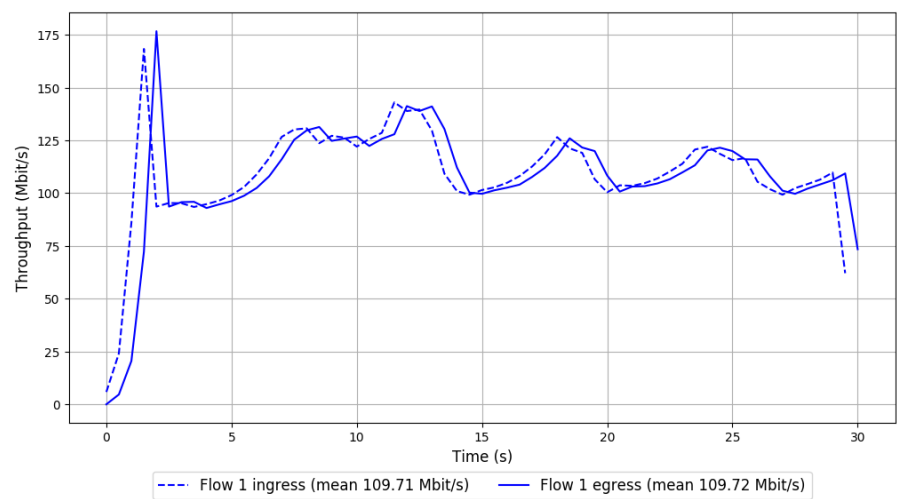


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-20 01:31:40
End at: 2018-07-20 01:32:10
Local clock offset: -0.158 ms
Remote clock offset: 0.026 ms

# Below is generated by plot.py at 2018-07-20 06:32:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 109.72 Mbit/s
95th percentile per-packet one-way delay: 53.838 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 109.72 Mbit/s
95th percentile per-packet one-way delay: 53.838 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Expr — Data Link

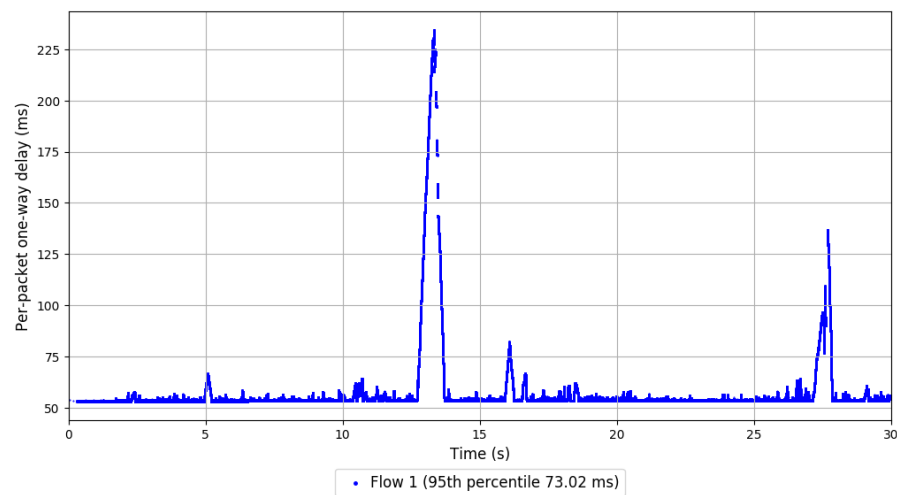
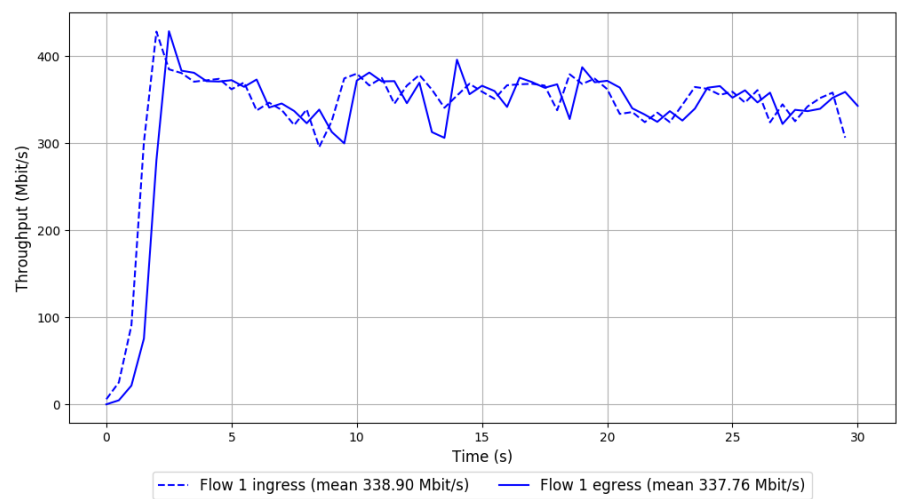


Run 2: Statistics of PCC-Expr

Start at: 2018-07-20 01:53:40
End at: 2018-07-20 01:54:10
Local clock offset: 0.162 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-20 06:35:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 337.76 Mbit/s
95th percentile per-packet one-way delay: 73.015 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 337.76 Mbit/s
95th percentile per-packet one-way delay: 73.015 ms
Loss rate: 0.33%

Run 2: Report of PCC-Expr — Data Link

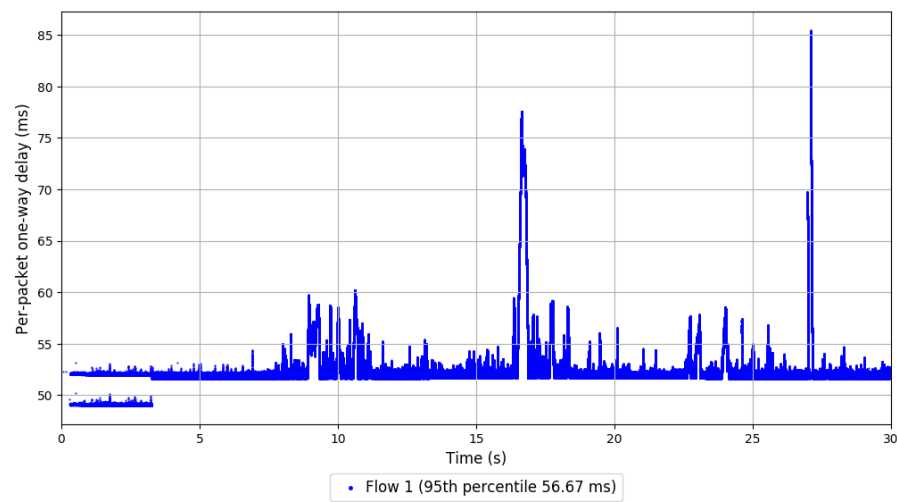
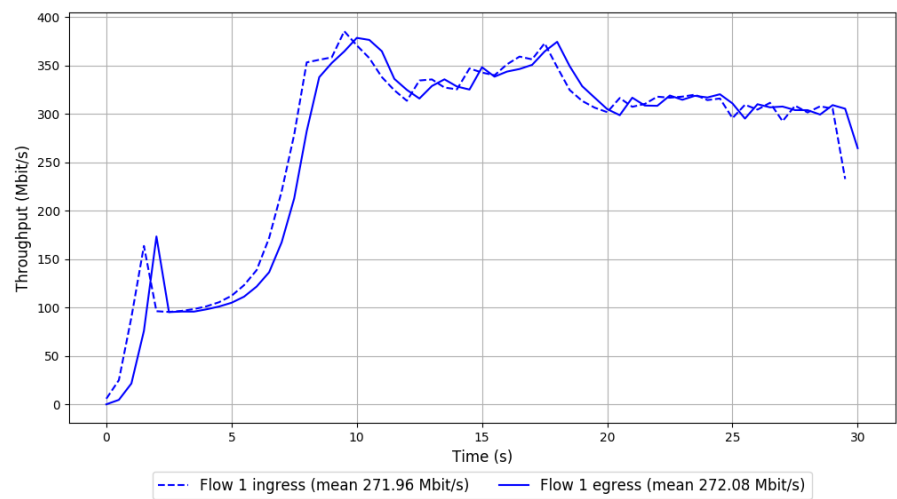


Run 3: Statistics of PCC-Expr

Start at: 2018-07-20 02:16:03
End at: 2018-07-20 02:16:33
Local clock offset: 0.042 ms
Remote clock offset: -1.343 ms

Below is generated by plot.py at 2018-07-20 06:35:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 272.08 Mbit/s
95th percentile per-packet one-way delay: 56.672 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 272.08 Mbit/s
95th percentile per-packet one-way delay: 56.672 ms
Loss rate: 0.00%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-20 02:38:29

End at: 2018-07-20 02:38:59

Local clock offset: -0.109 ms

Remote clock offset: 0.162 ms

Below is generated by plot.py at 2018-07-20 06:37:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 328.27 Mbit/s

95th percentile per-packet one-way delay: 109.849 ms

Loss rate: 0.29%

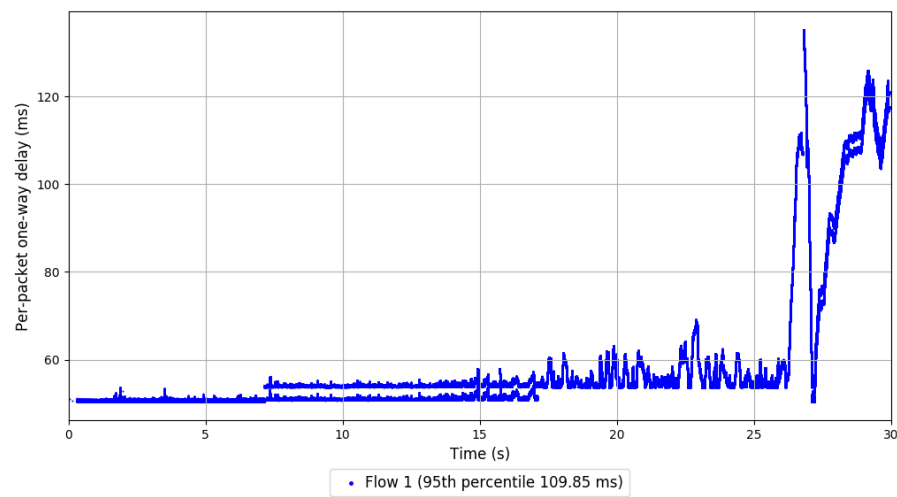
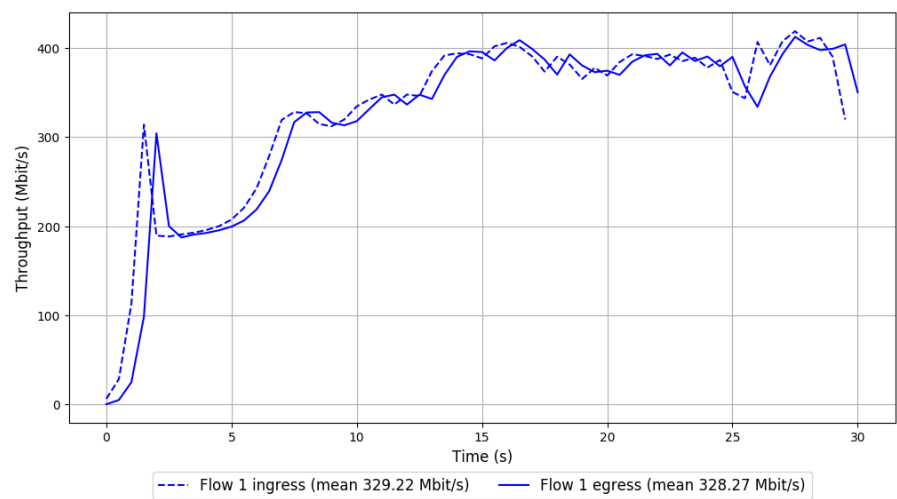
-- Flow 1:

Average throughput: 328.27 Mbit/s

95th percentile per-packet one-way delay: 109.849 ms

Loss rate: 0.29%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-20 03:00:34

End at: 2018-07-20 03:01:04

Local clock offset: -0.091 ms

Remote clock offset: 0.052 ms

Below is generated by plot.py at 2018-07-20 06:45:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 463.45 Mbit/s

95th percentile per-packet one-way delay: 273.817 ms

Loss rate: 14.53%

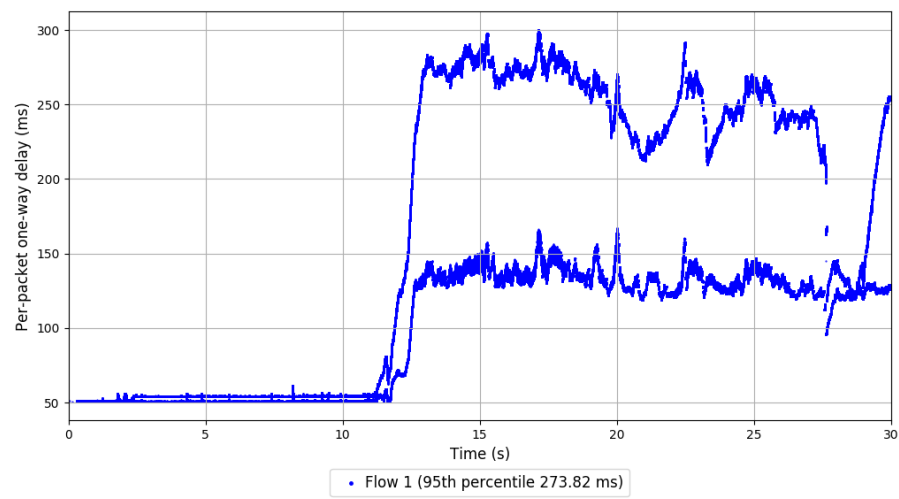
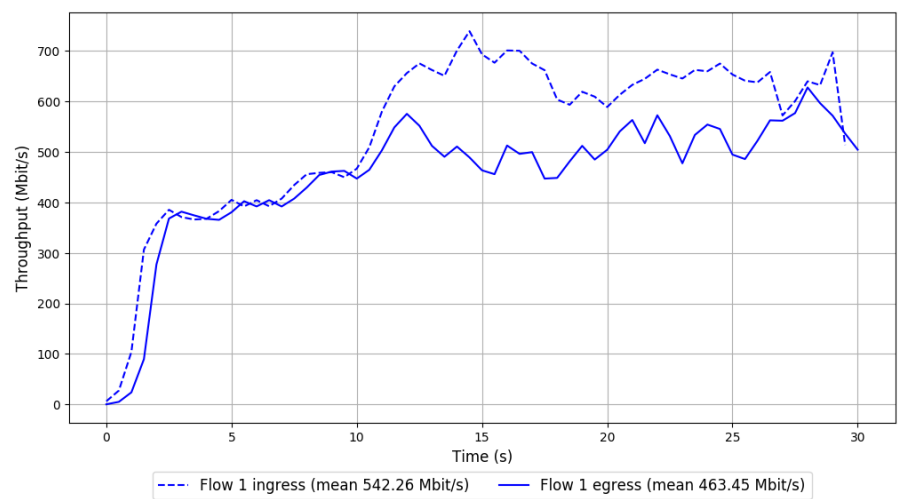
-- Flow 1:

Average throughput: 463.45 Mbit/s

95th percentile per-packet one-way delay: 273.817 ms

Loss rate: 14.53%

Run 5: Report of PCC-Expr — Data Link

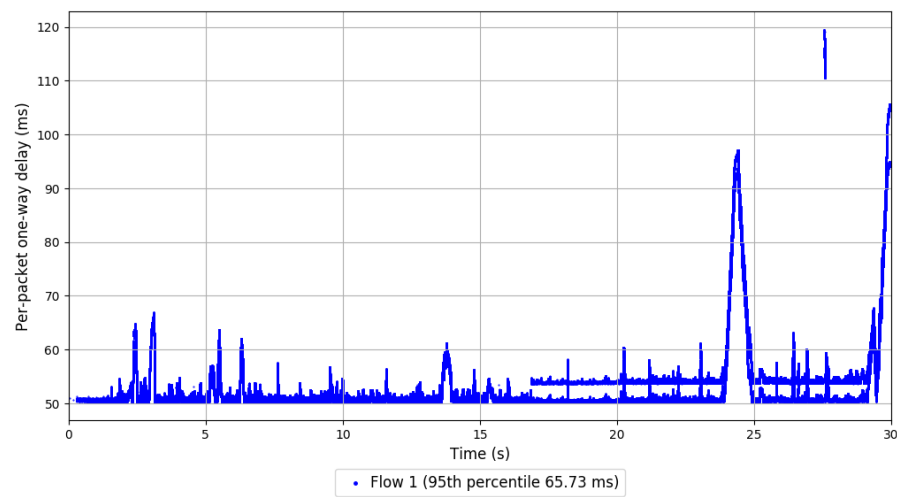
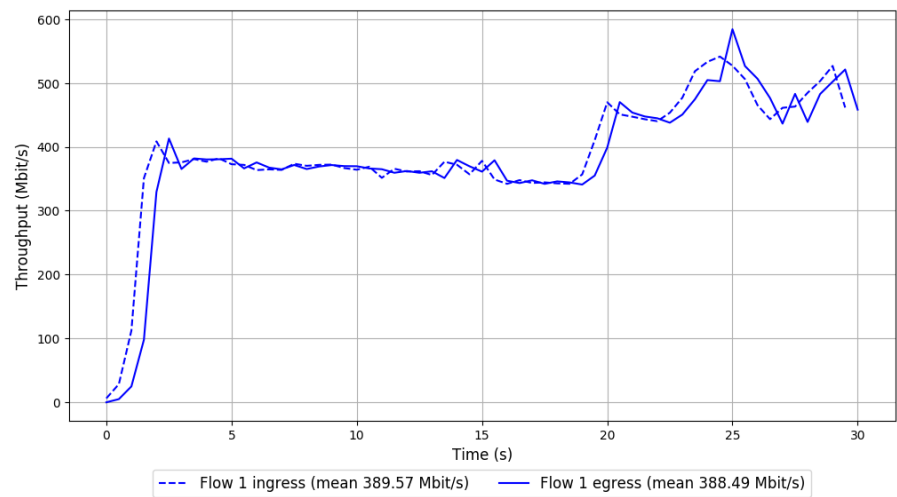


Run 6: Statistics of PCC-Expr

Start at: 2018-07-20 03:22:40
End at: 2018-07-20 03:23:10
Local clock offset: -0.248 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-07-20 06:45:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 388.49 Mbit/s
95th percentile per-packet one-way delay: 65.729 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 388.49 Mbit/s
95th percentile per-packet one-way delay: 65.729 ms
Loss rate: 0.28%

Run 6: Report of PCC-Expr — Data Link

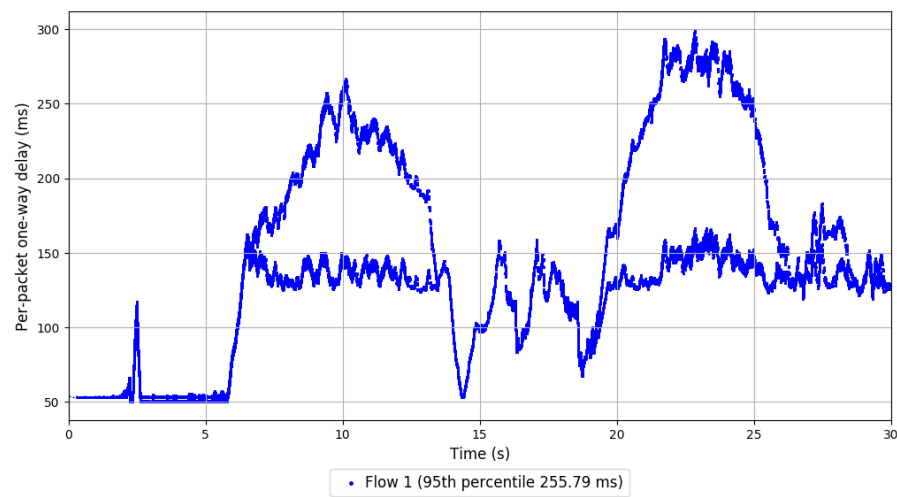
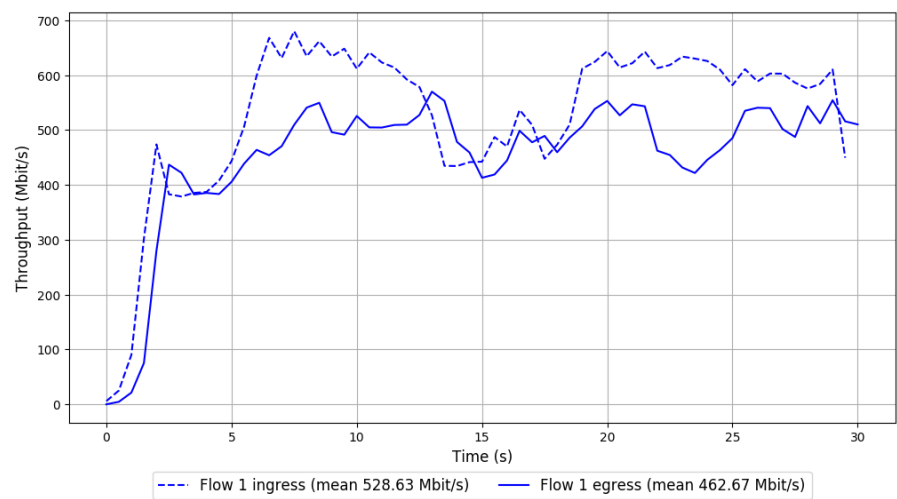


Run 7: Statistics of PCC-Expr

Start at: 2018-07-20 03:44:44
End at: 2018-07-20 03:45:14
Local clock offset: -0.043 ms
Remote clock offset: -0.391 ms

Below is generated by plot.py at 2018-07-20 06:46:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 462.67 Mbit/s
95th percentile per-packet one-way delay: 255.792 ms
Loss rate: 12.47%
-- Flow 1:
Average throughput: 462.67 Mbit/s
95th percentile per-packet one-way delay: 255.792 ms
Loss rate: 12.47%

Run 7: Report of PCC-Expr — Data Link

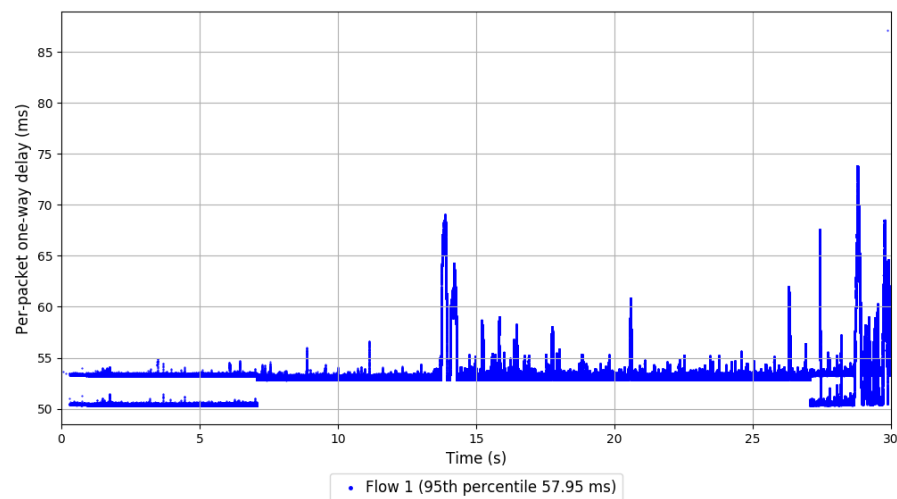
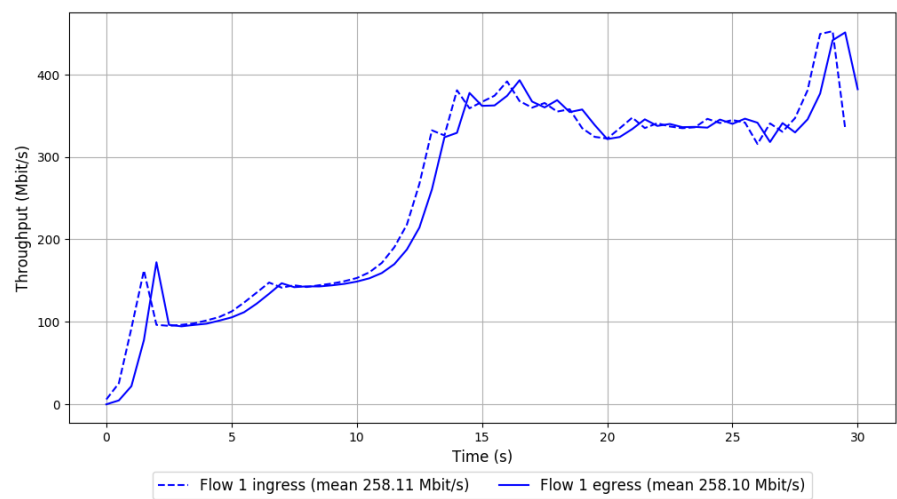


Run 8: Statistics of PCC-Expr

Start at: 2018-07-20 04:06:59
End at: 2018-07-20 04:07:30
Local clock offset: 0.055 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-20 06:46:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 258.10 Mbit/s
95th percentile per-packet one-way delay: 57.950 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 258.10 Mbit/s
95th percentile per-packet one-way delay: 57.950 ms
Loss rate: 0.01%

Run 8: Report of PCC-Expr — Data Link

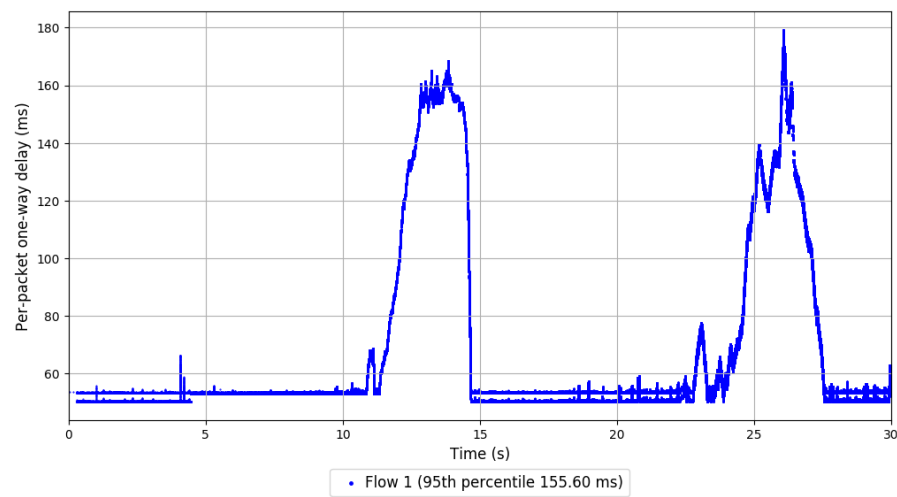
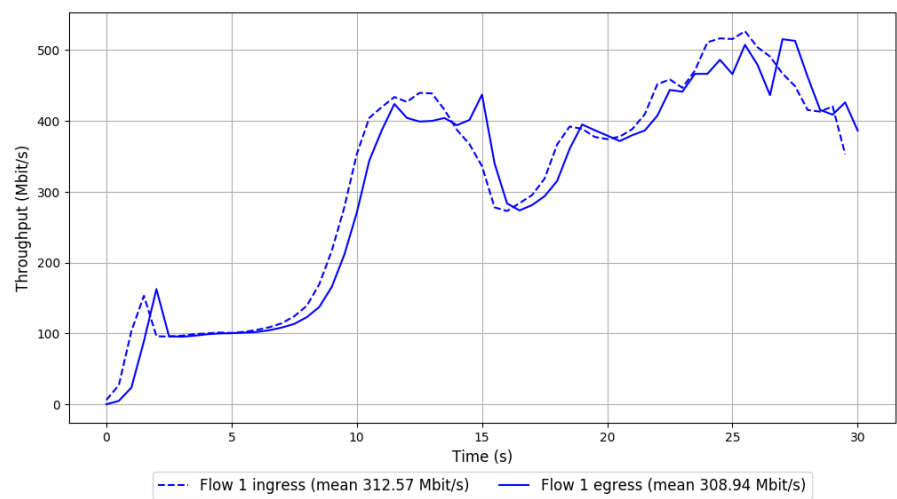


Run 9: Statistics of PCC-Expr

Start at: 2018-07-20 04:29:02
End at: 2018-07-20 04:29:32
Local clock offset: -0.026 ms
Remote clock offset: -0.397 ms

Below is generated by plot.py at 2018-07-20 06:46:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 308.94 Mbit/s
95th percentile per-packet one-way delay: 155.597 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 308.94 Mbit/s
95th percentile per-packet one-way delay: 155.597 ms
Loss rate: 1.17%

Run 9: Report of PCC-Expr — Data Link

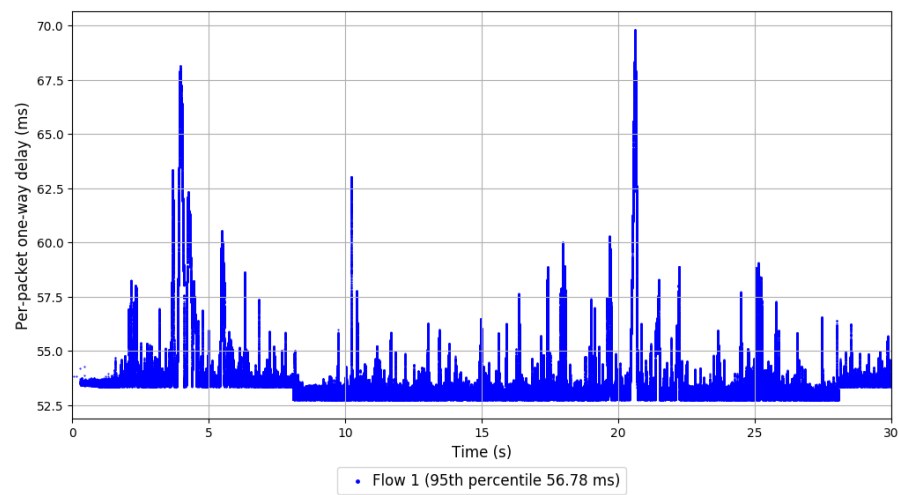
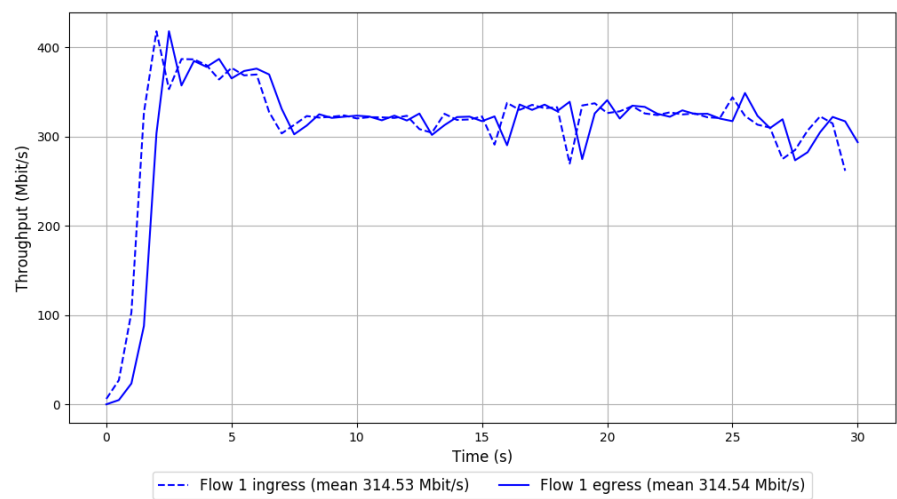


Run 10: Statistics of PCC-Expr

Start at: 2018-07-20 04:50:59
End at: 2018-07-20 04:51:29
Local clock offset: -0.084 ms
Remote clock offset: -0.202 ms

Below is generated by plot.py at 2018-07-20 06:46:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 314.54 Mbit/s
95th percentile per-packet one-way delay: 56.781 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 314.54 Mbit/s
95th percentile per-packet one-way delay: 56.781 ms
Loss rate: 0.01%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

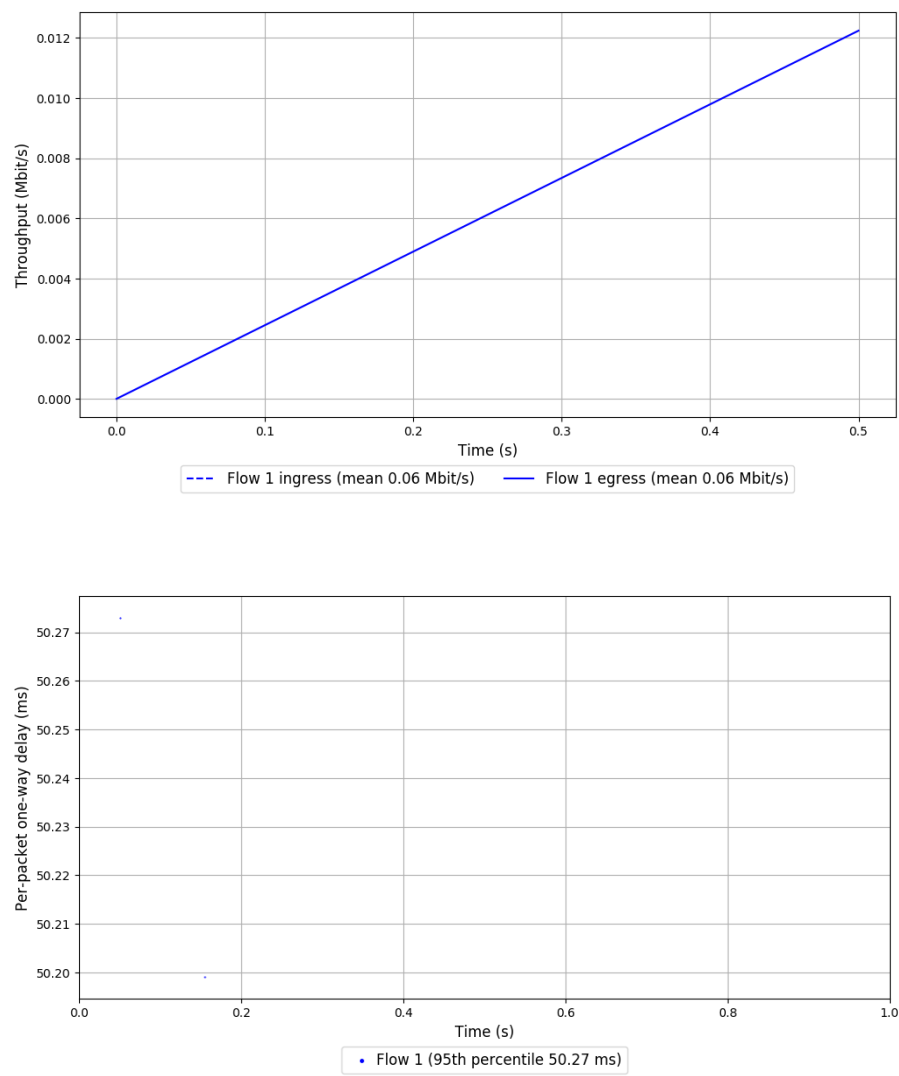
Start at: 2018-07-20 01:25:23

End at: 2018-07-20 01:25:53

Local clock offset: -0.084 ms

Remote clock offset: 0.069 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

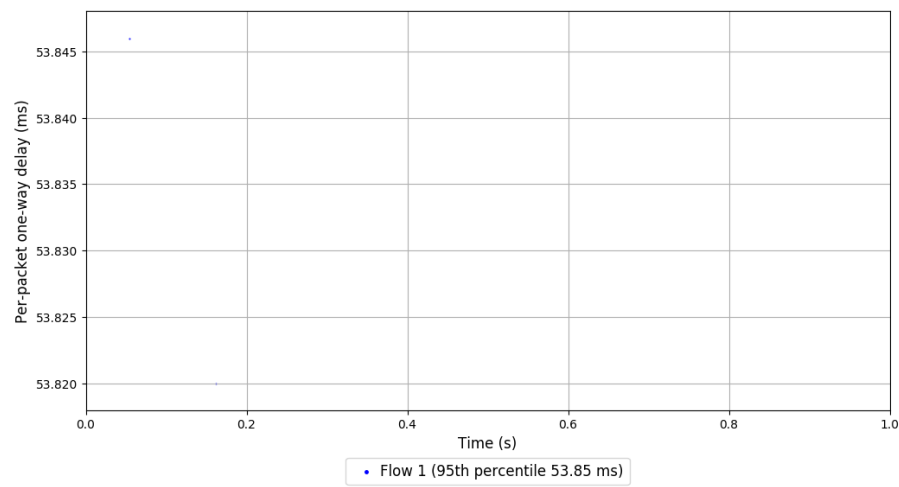
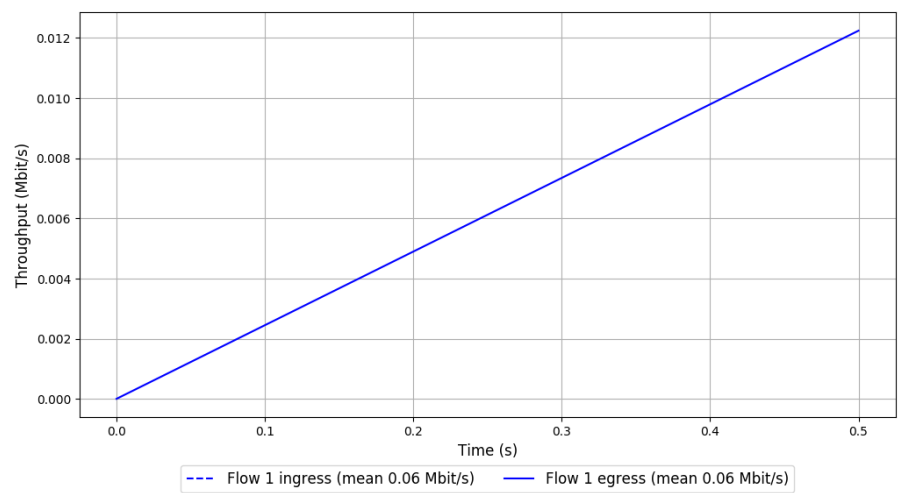
Start at: 2018-07-20 01:47:02

End at: 2018-07-20 01:47:32

Local clock offset: -0.099 ms

Remote clock offset: -0.071 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

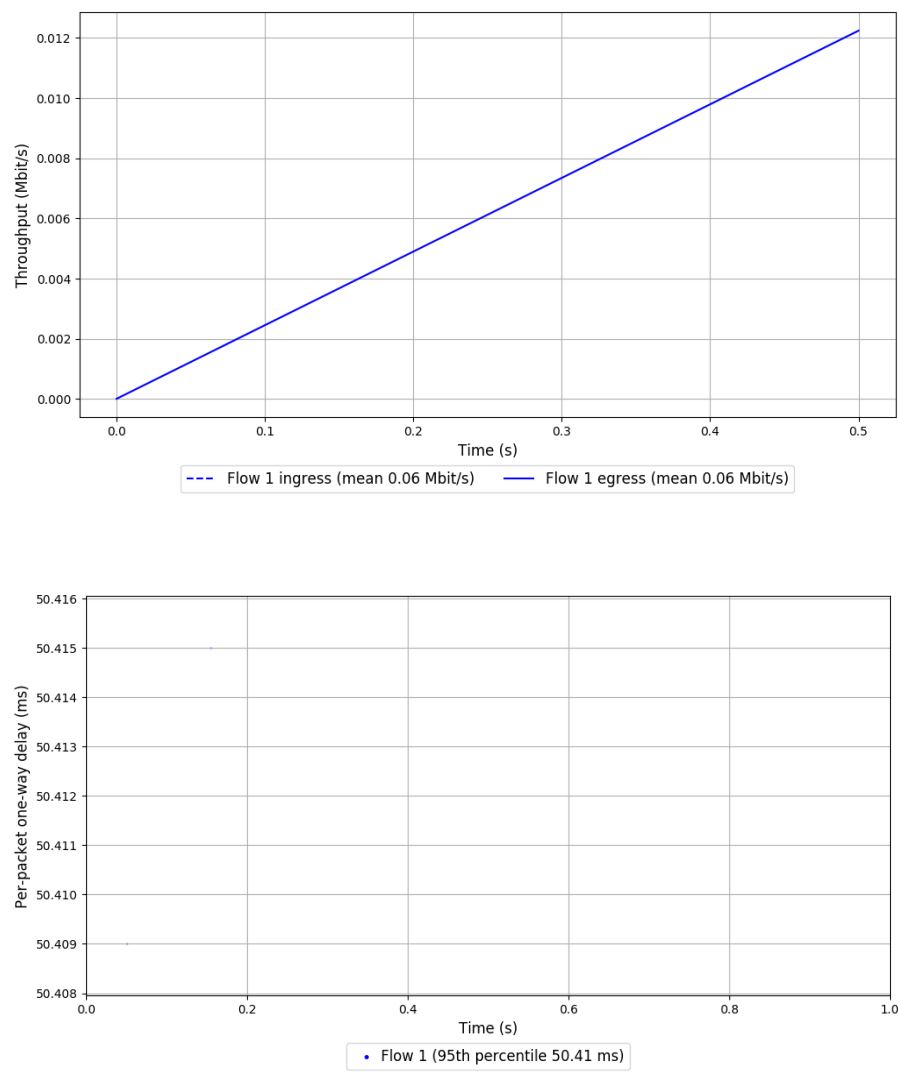
Start at: 2018-07-20 02:09:23

End at: 2018-07-20 02:09:53

Local clock offset: -0.082 ms

Remote clock offset: -0.175 ms

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

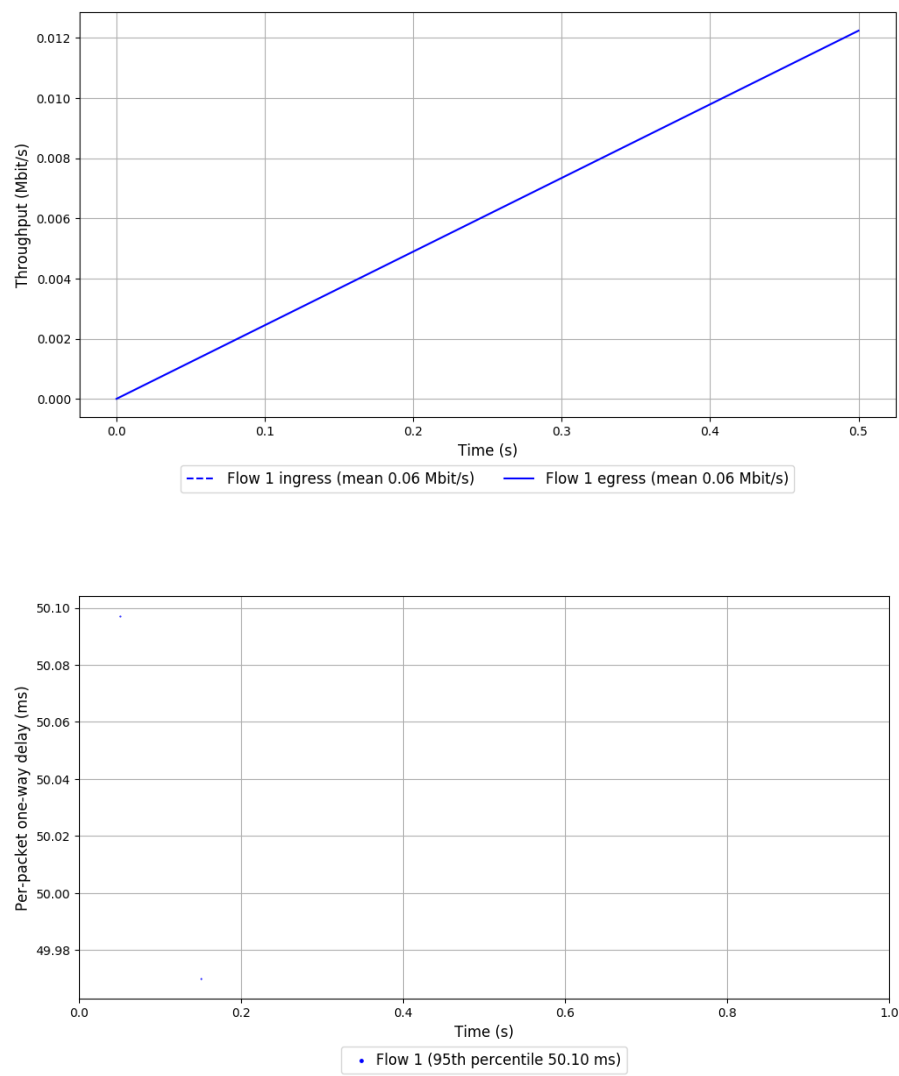
Start at: 2018-07-20 02:31:54

End at: 2018-07-20 02:32:24

Local clock offset: 0.157 ms

Remote clock offset: 0.069 ms

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

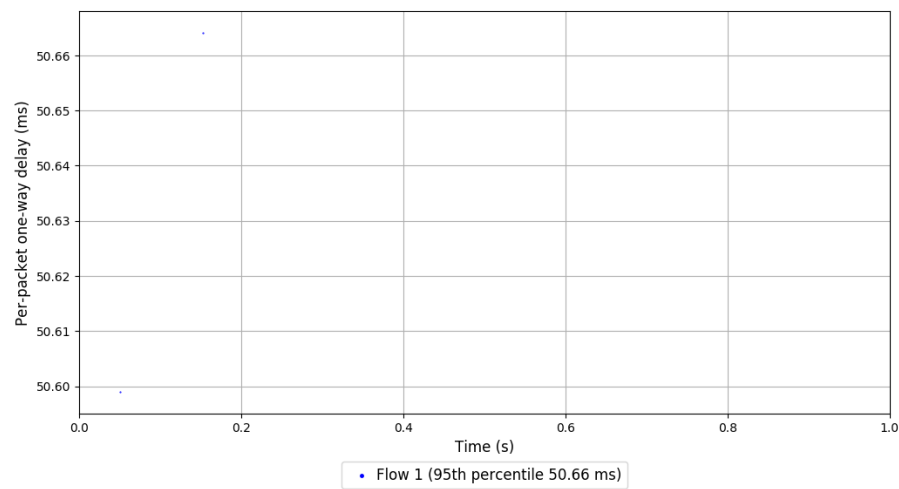
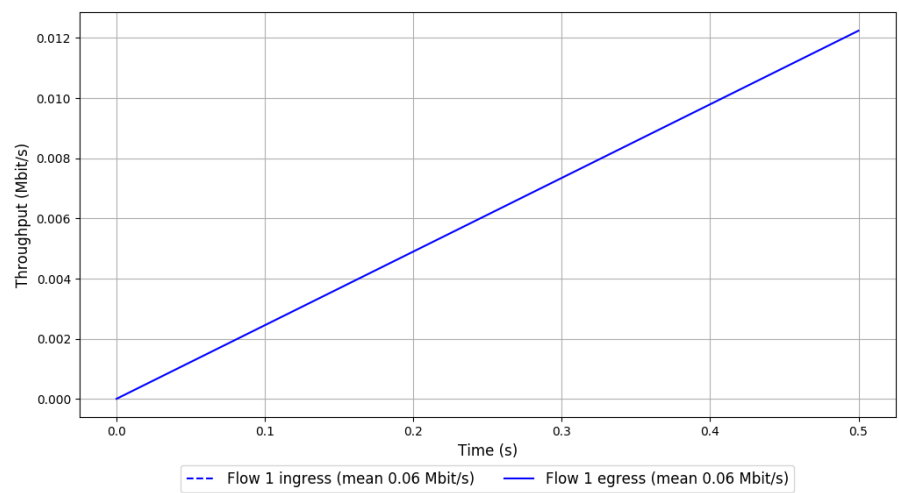
Start at: 2018-07-20 02:54:18

End at: 2018-07-20 02:54:48

Local clock offset: 0.117 ms

Remote clock offset: 0.28 ms

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

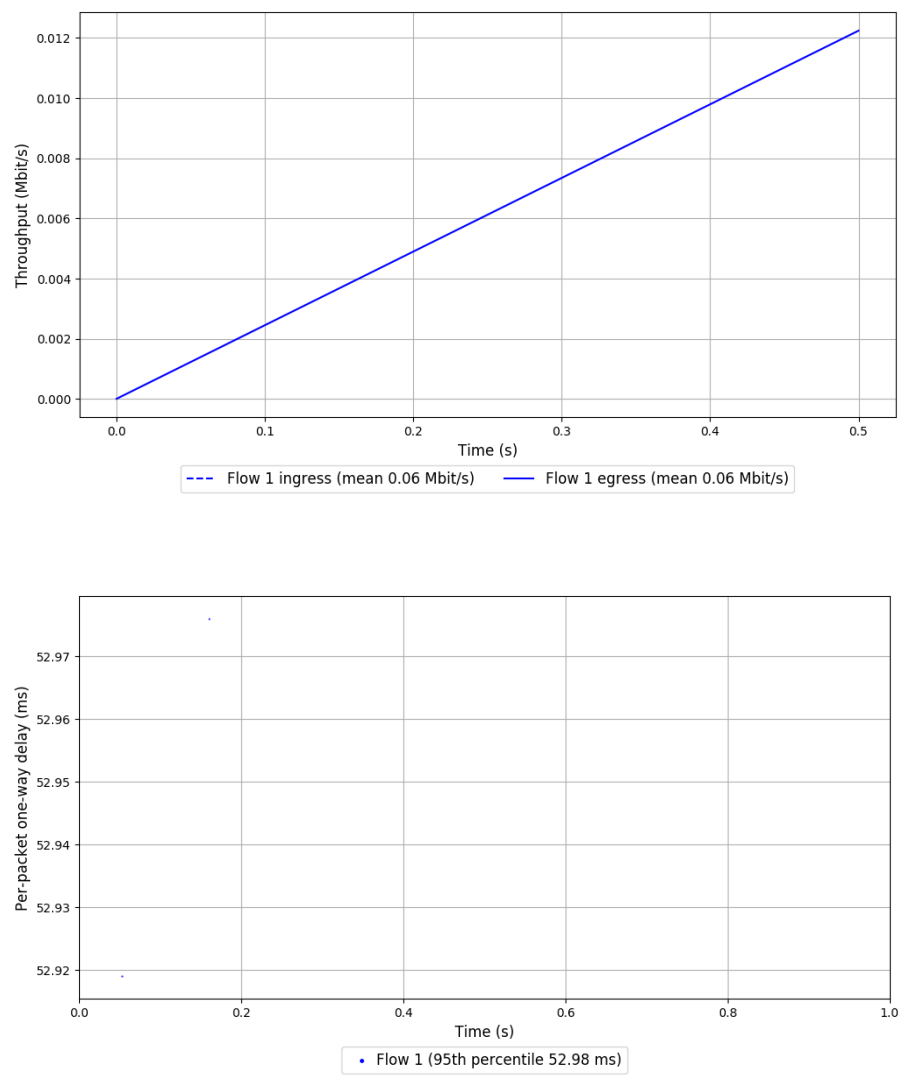
Start at: 2018-07-20 03:16:14

End at: 2018-07-20 03:16:44

Local clock offset: 0.219 ms

Remote clock offset: -0.05 ms

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

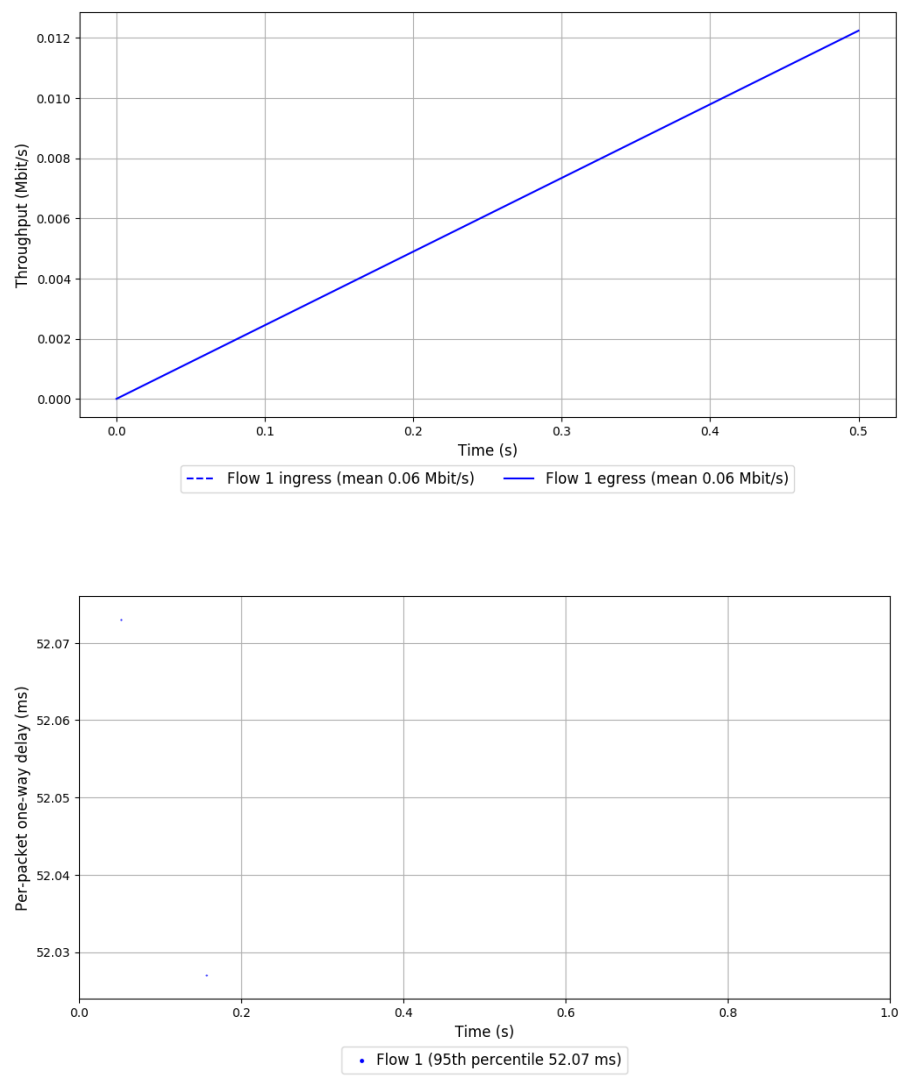
Start at: 2018-07-20 03:38:20

End at: 2018-07-20 03:38:50

Local clock offset: -0.161 ms

Remote clock offset: 1.227 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

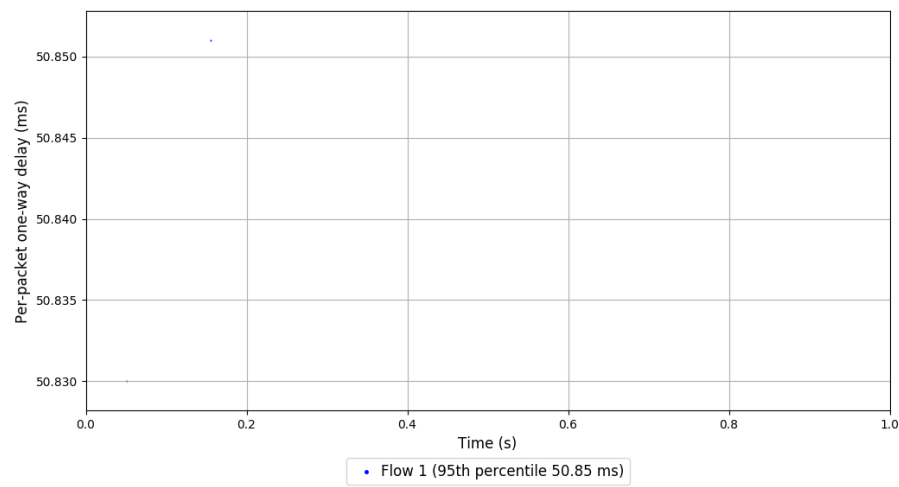
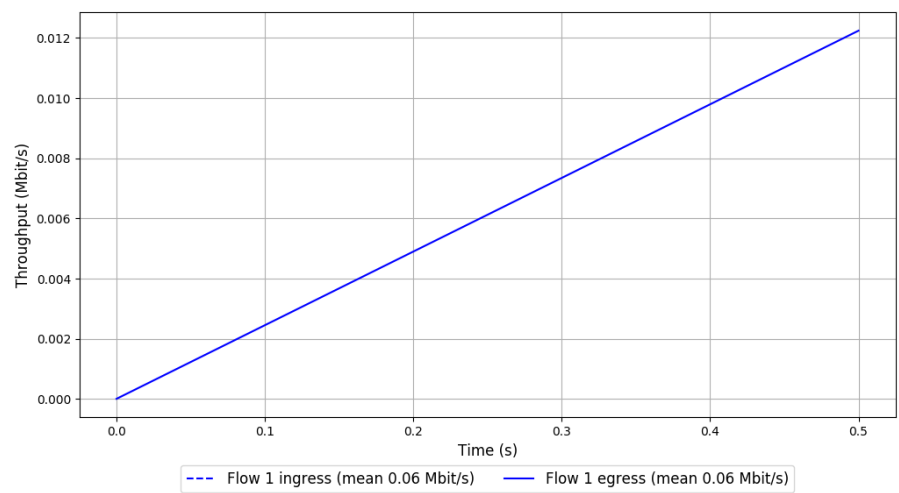
Start at: 2018-07-20 04:00:32

End at: 2018-07-20 04:01:02

Local clock offset: -0.157 ms

Remote clock offset: 0.028 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

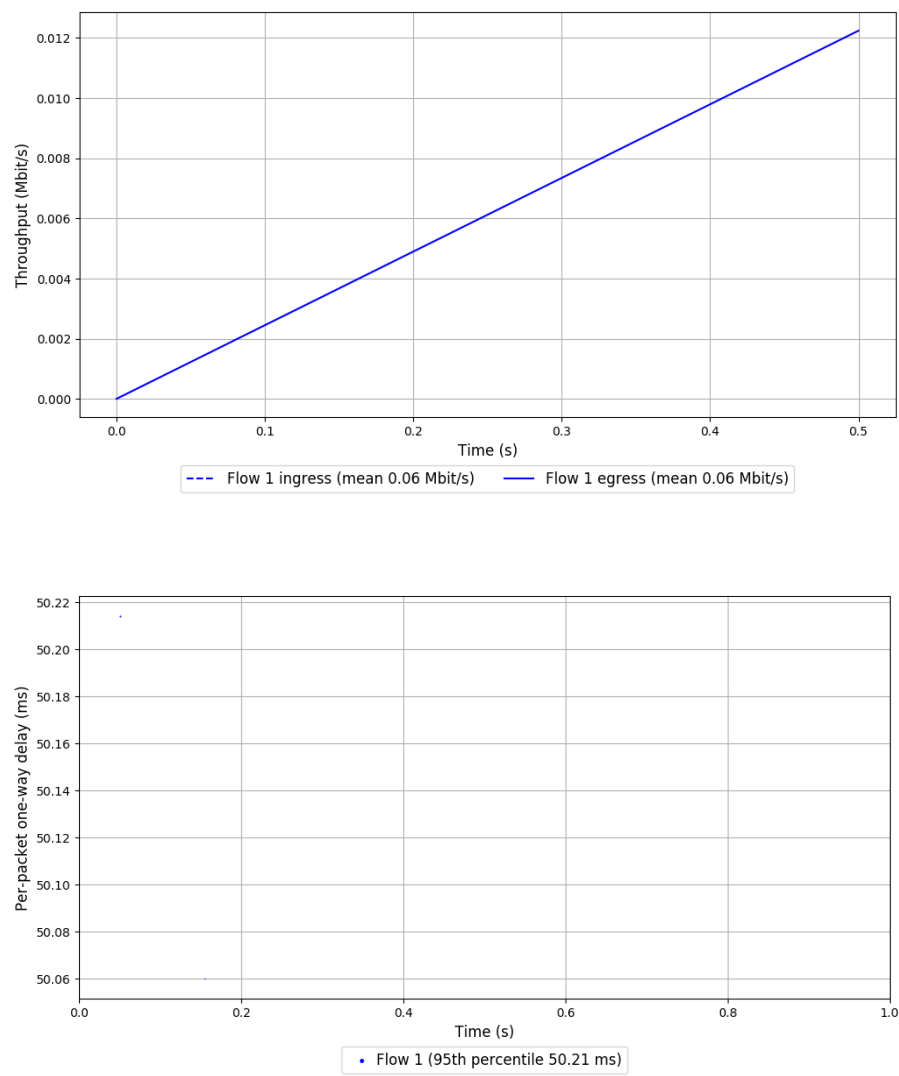
Start at: 2018-07-20 04:22:42

End at: 2018-07-20 04:23:12

Local clock offset: -0.193 ms

Remote clock offset: -0.184 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

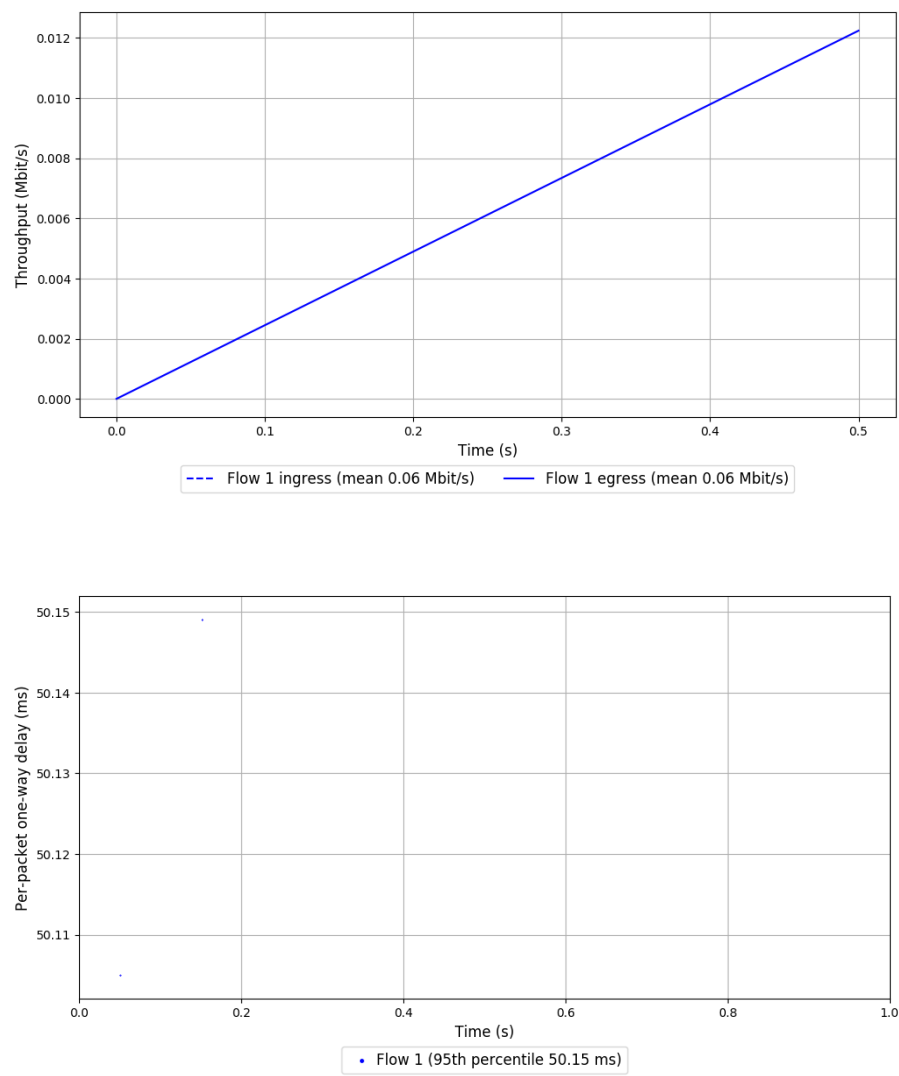
Start at: 2018-07-20 04:44:31

End at: 2018-07-20 04:45:01

Local clock offset: 0.117 ms

Remote clock offset: -0.154 ms

Run 10: Report of QUIC Cubic — Data Link

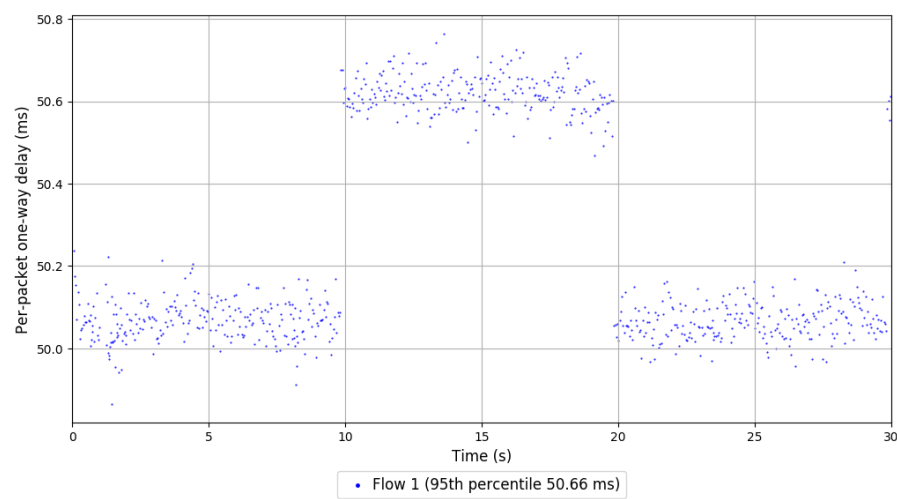
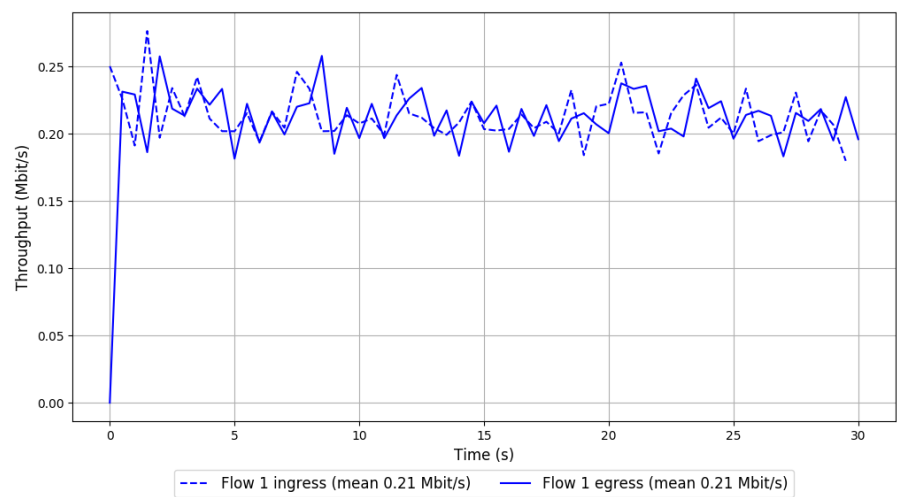


Run 1: Statistics of SCReAM

Start at: 2018-07-20 01:21:27
End at: 2018-07-20 01:21:57
Local clock offset: -0.059 ms
Remote clock offset: -0.155 ms

Below is generated by plot.py at 2018-07-20 06:46:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.664 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.664 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

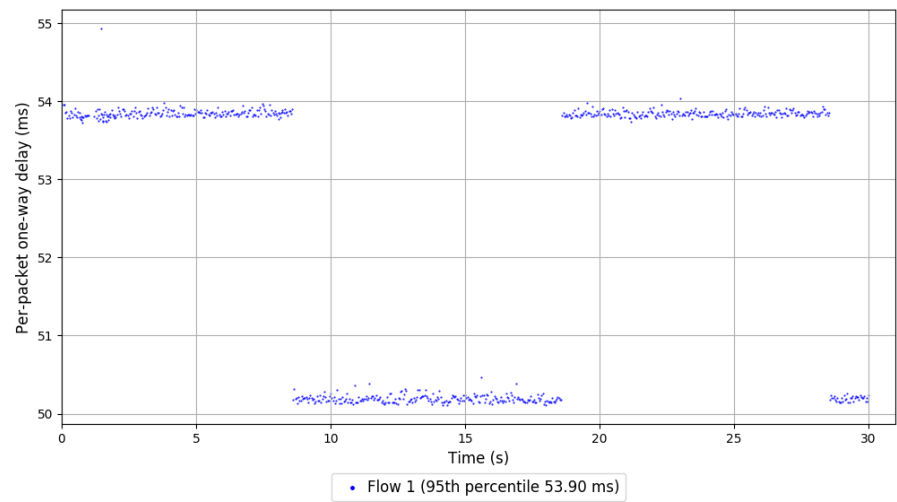
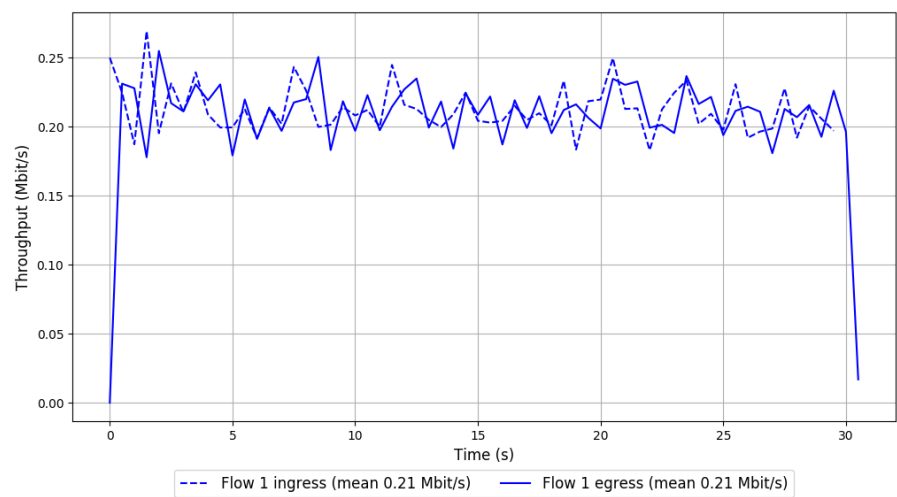


Run 2: Statistics of SCReAM

Start at: 2018-07-20 01:43:08
End at: 2018-07-20 01:43:38
Local clock offset: -0.176 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-07-20 06:46:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.901 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.901 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

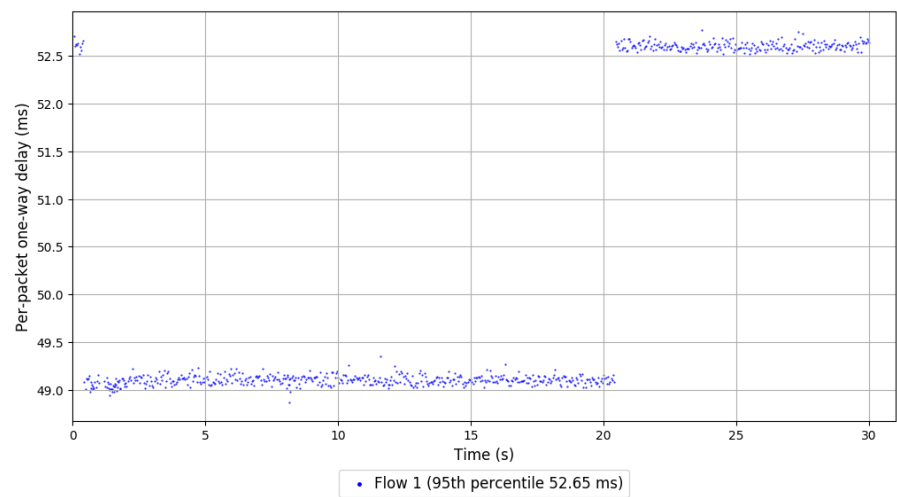
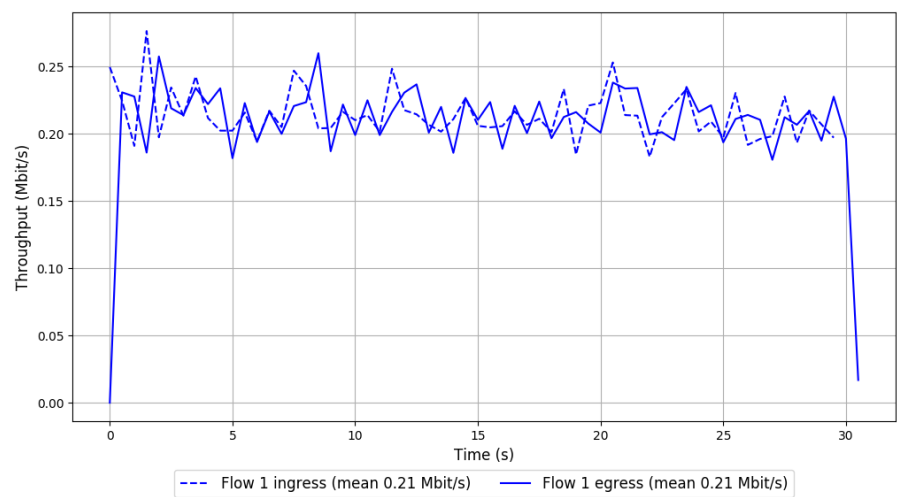


Run 3: Statistics of SCReAM

Start at: 2018-07-20 02:05:26
End at: 2018-07-20 02:05:56
Local clock offset: -0.278 ms
Remote clock offset: -1.197 ms

Below is generated by plot.py at 2018-07-20 06:46:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 52.645 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 52.645 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-07-20 02:27:54

End at: 2018-07-20 02:28:24

Local clock offset: -0.108 ms

Remote clock offset: 1.279 ms

Below is generated by plot.py at 2018-07-20 06:46:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 55.268 ms

Loss rate: 0.00%

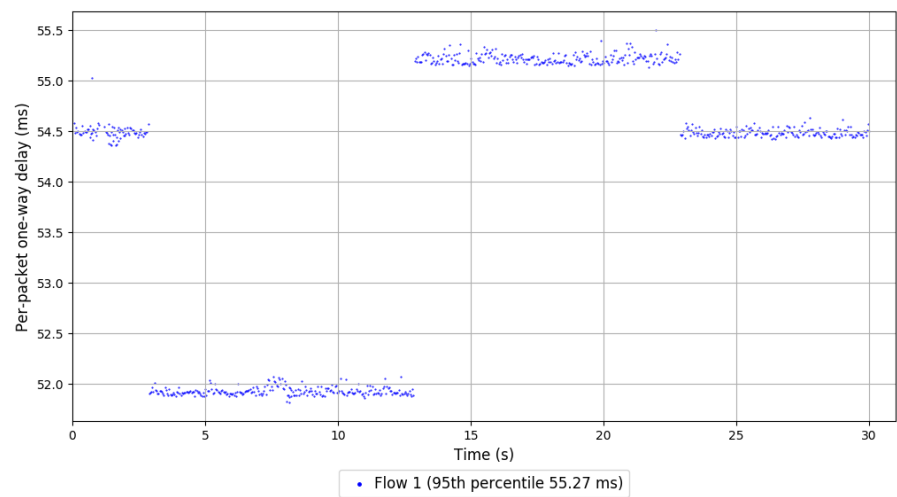
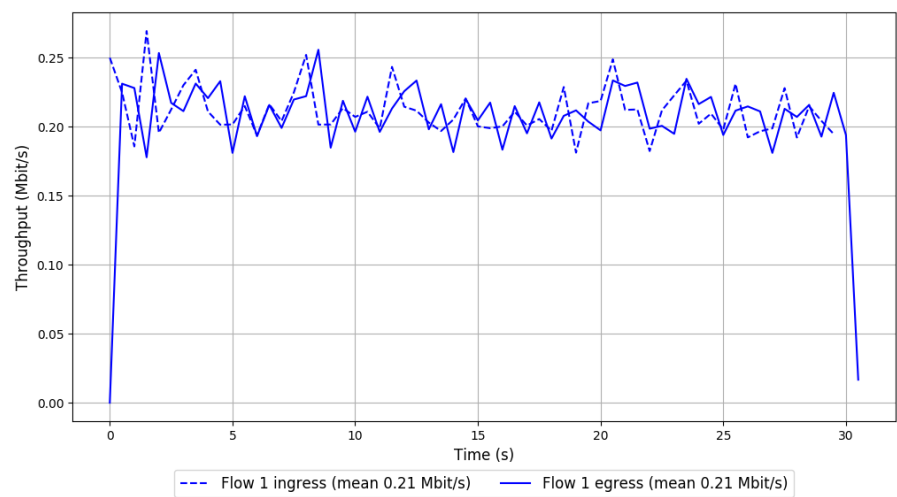
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 55.268 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

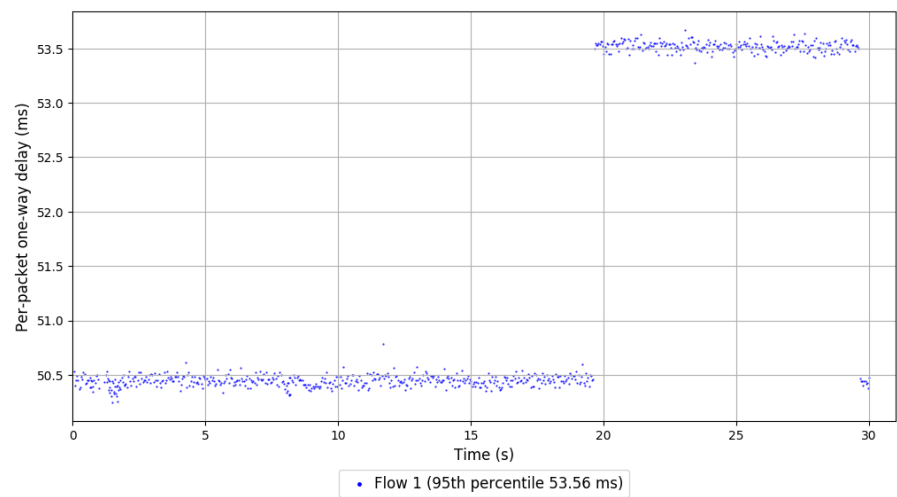
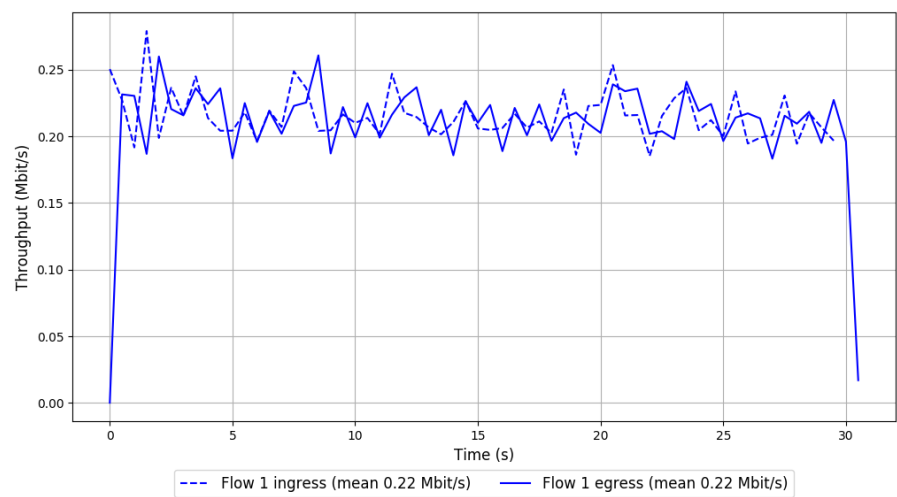


Run 5: Statistics of SCReAM

Start at: 2018-07-20 02:50:17
End at: 2018-07-20 02:50:47
Local clock offset: -0.078 ms
Remote clock offset: -0.346 ms

Below is generated by plot.py at 2018-07-20 06:46:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.564 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.564 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

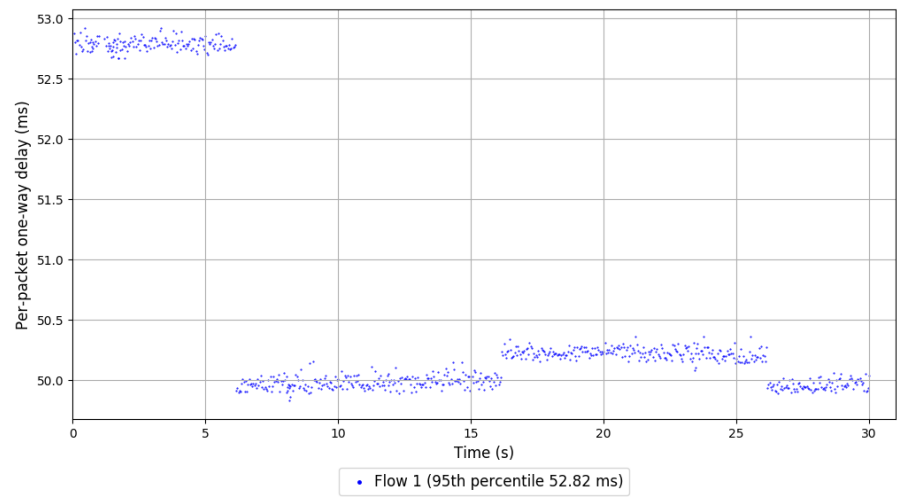
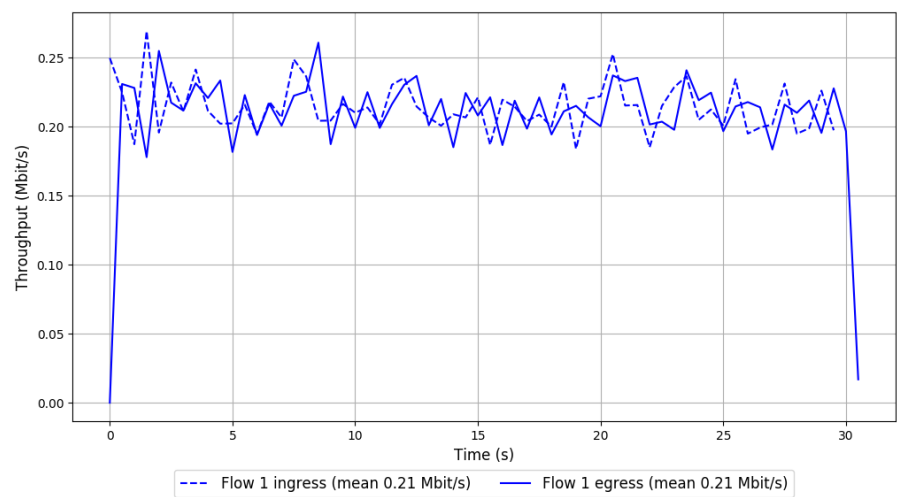


Run 6: Statistics of SCReAM

Start at: 2018-07-20 03:12:20
End at: 2018-07-20 03:12:50
Local clock offset: 0.125 ms
Remote clock offset: -0.248 ms

Below is generated by plot.py at 2018-07-20 06:46:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 52.817 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 52.817 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-07-20 03:34:24

End at: 2018-07-20 03:34:54

Local clock offset: 0.206 ms

Remote clock offset: 0.404 ms

Below is generated by plot.py at 2018-07-20 06:46:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 54.155 ms

Loss rate: 0.00%

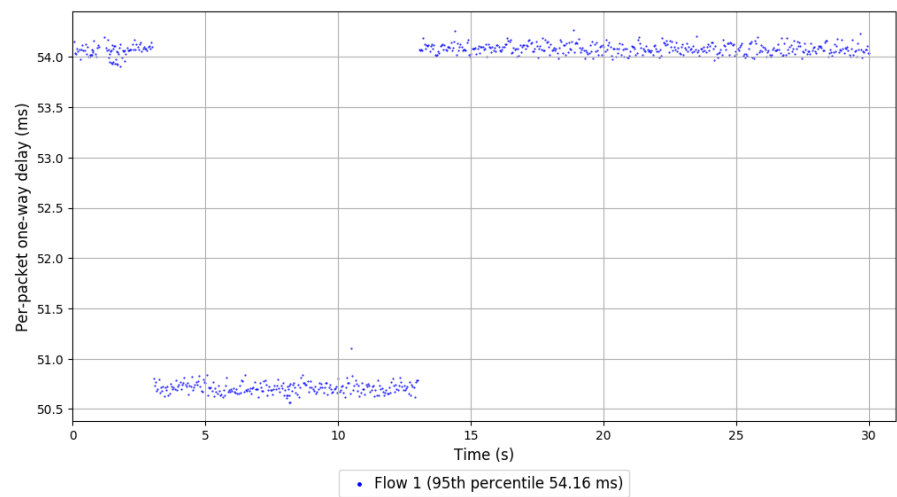
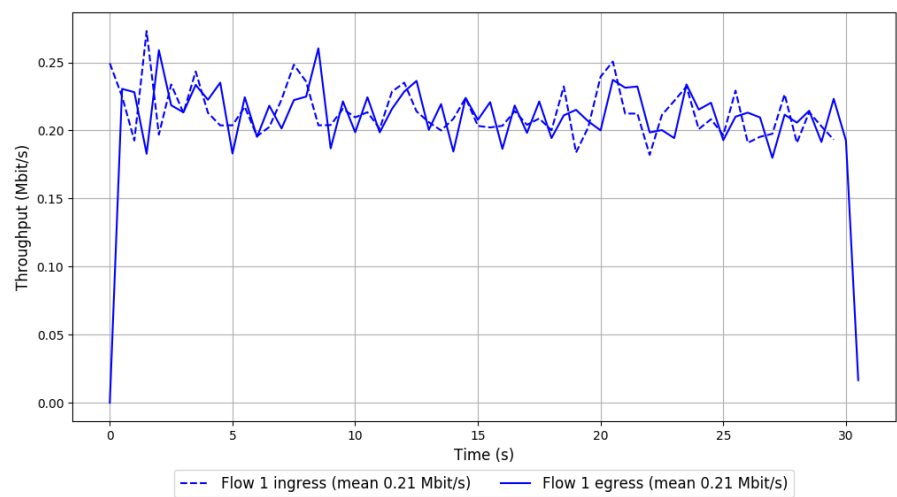
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 54.155 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-07-20 03:56:39

End at: 2018-07-20 03:57:09

Local clock offset: -0.062 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-07-20 06:46:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.495 ms

Loss rate: 0.00%

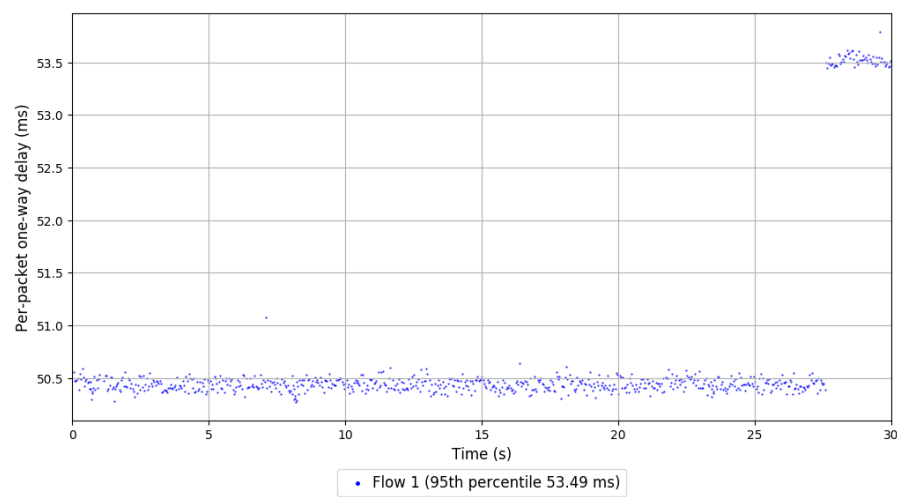
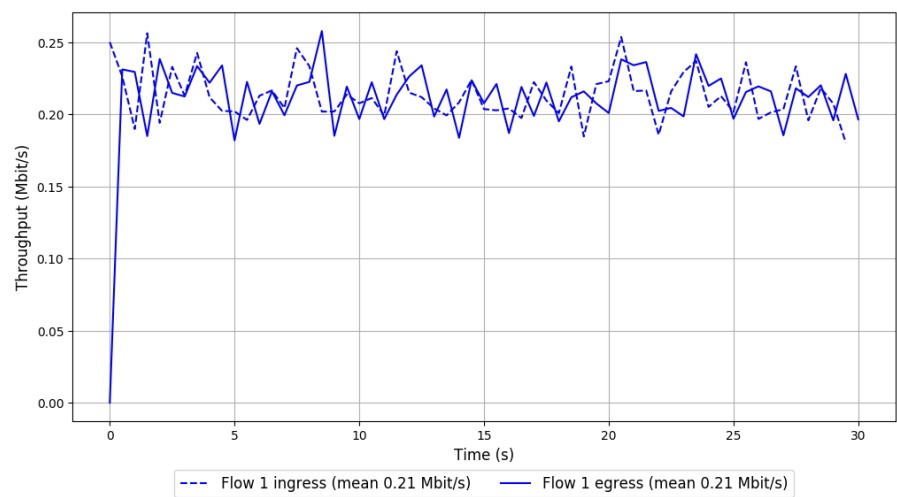
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.495 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-07-20 04:18:45

End at: 2018-07-20 04:19:15

Local clock offset: 0.241 ms

Remote clock offset: -0.51 ms

Below is generated by plot.py at 2018-07-20 06:46:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.036 ms

Loss rate: 0.00%

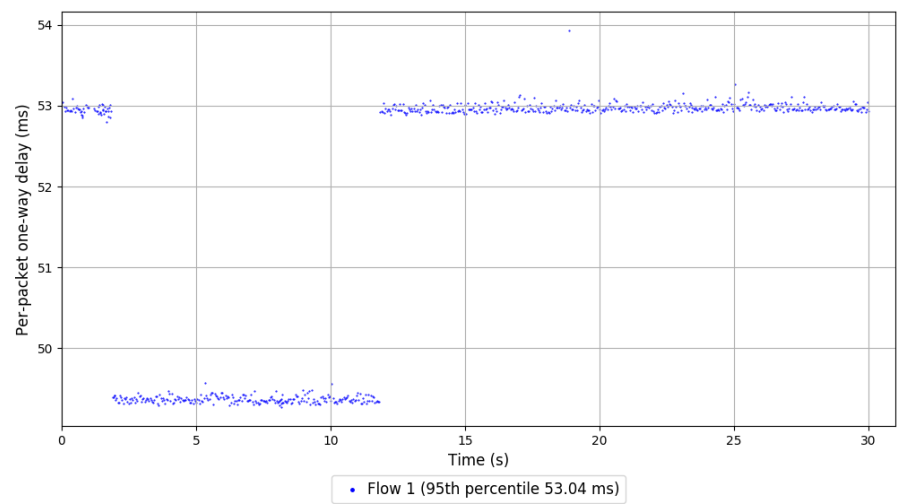
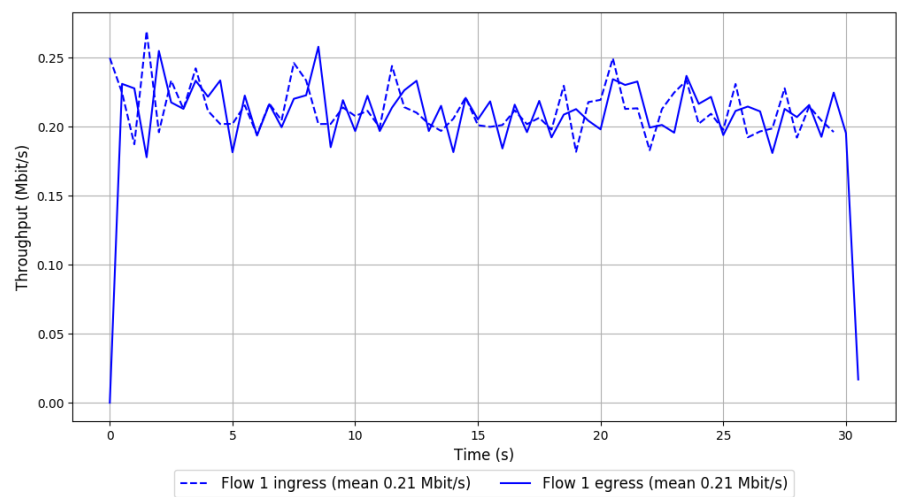
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.036 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-07-20 04:40:34

End at: 2018-07-20 04:41:04

Local clock offset: 0.078 ms

Remote clock offset: 1.277 ms

Below is generated by plot.py at 2018-07-20 06:46:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 55.013 ms

Loss rate: 0.00%

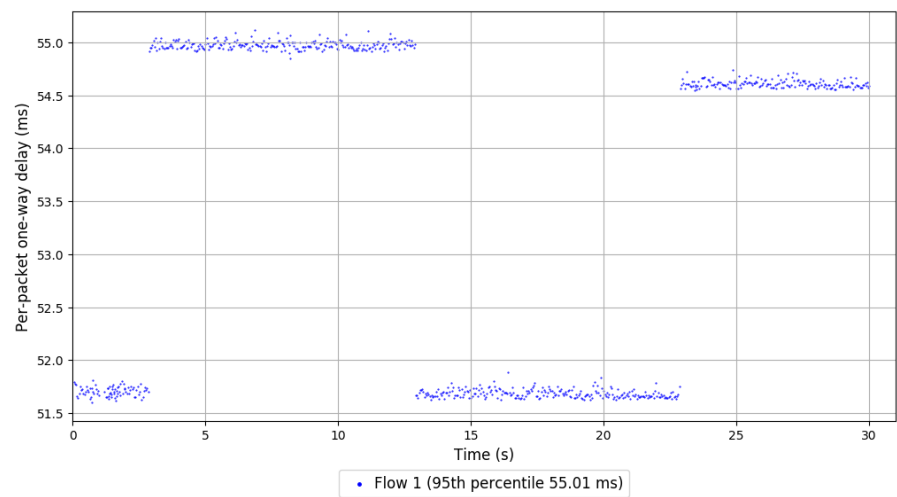
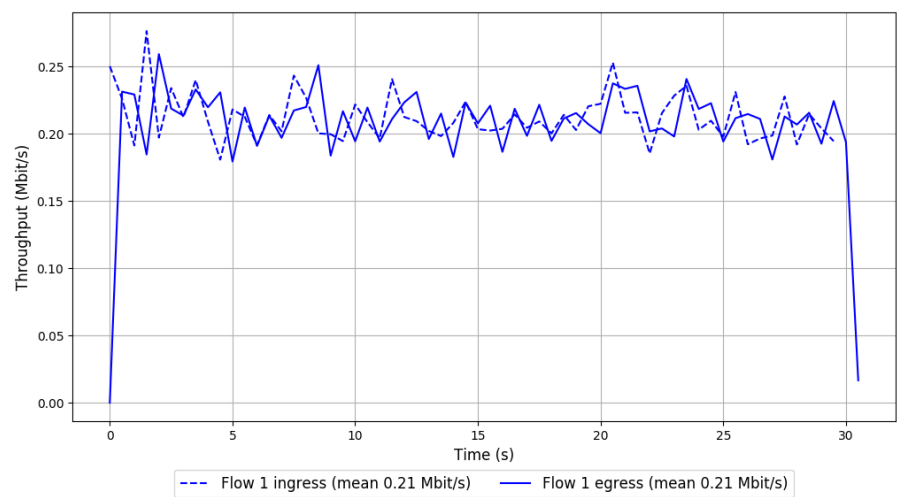
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 55.013 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

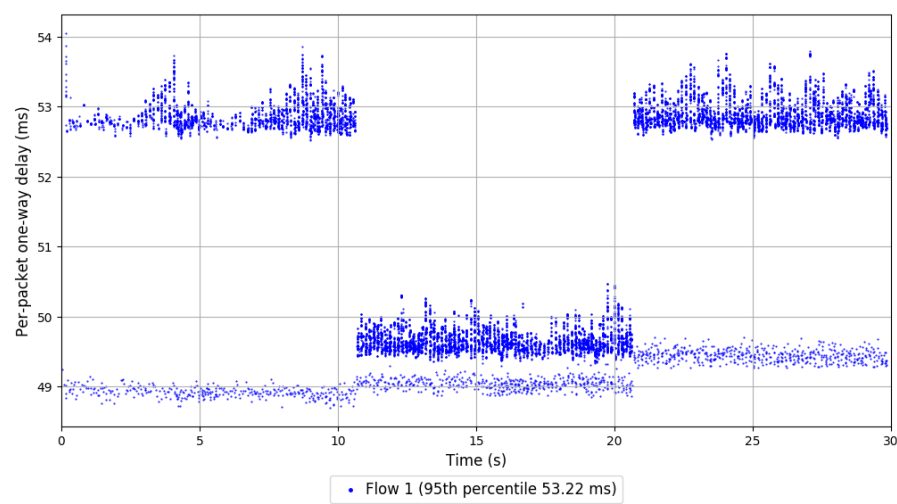
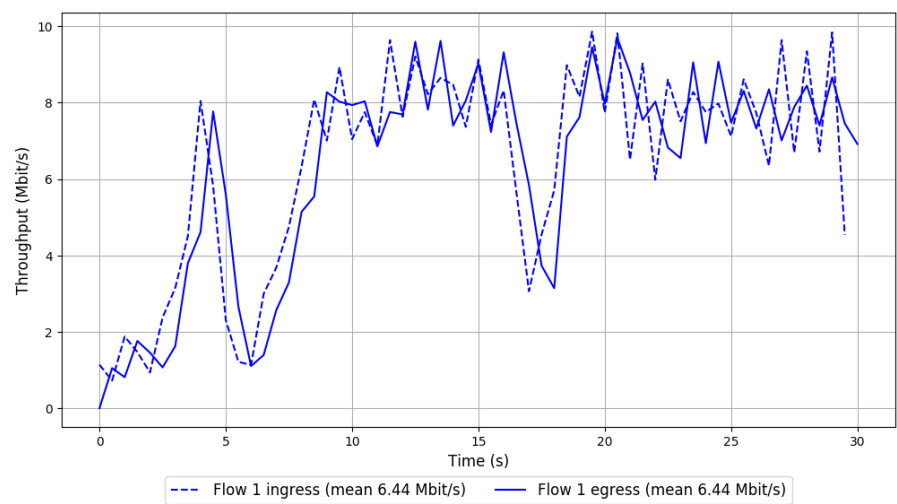


Run 1: Statistics of Sprout

Start at: 2018-07-20 01:32:56
End at: 2018-07-20 01:33:26
Local clock offset: 0.138 ms
Remote clock offset: -0.984 ms

Below is generated by plot.py at 2018-07-20 06:46:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.44 Mbit/s
95th percentile per-packet one-way delay: 53.222 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.44 Mbit/s
95th percentile per-packet one-way delay: 53.222 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

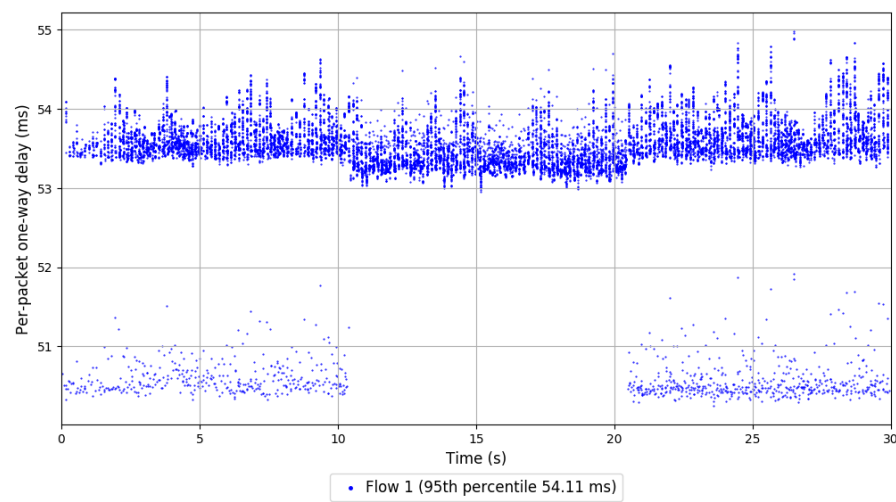
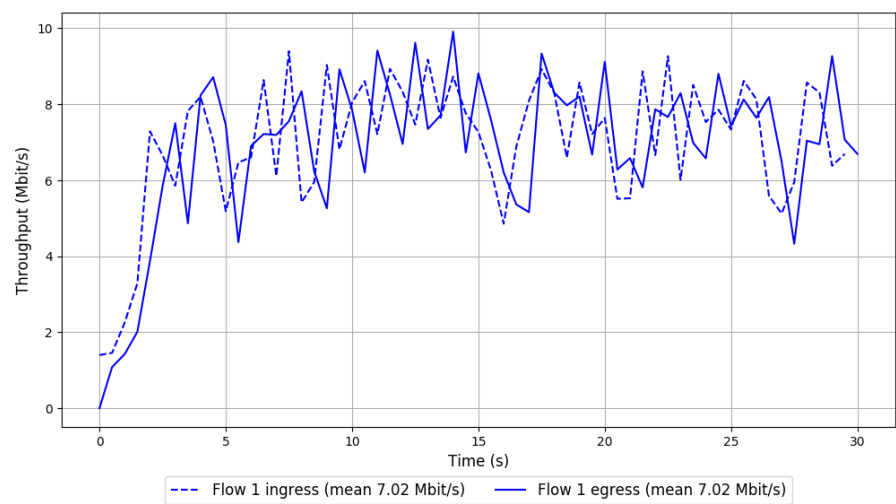


Run 2: Statistics of Sprout

Start at: 2018-07-20 01:55:16
End at: 2018-07-20 01:55:46
Local clock offset: -0.028 ms
Remote clock offset: -0.201 ms

Below is generated by plot.py at 2018-07-20 06:46:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.02 Mbit/s
95th percentile per-packet one-way delay: 54.107 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.02 Mbit/s
95th percentile per-packet one-way delay: 54.107 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

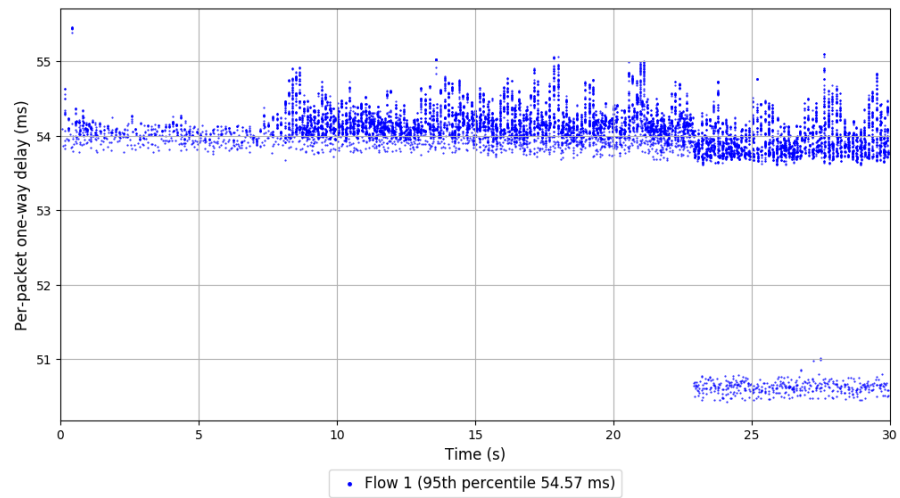
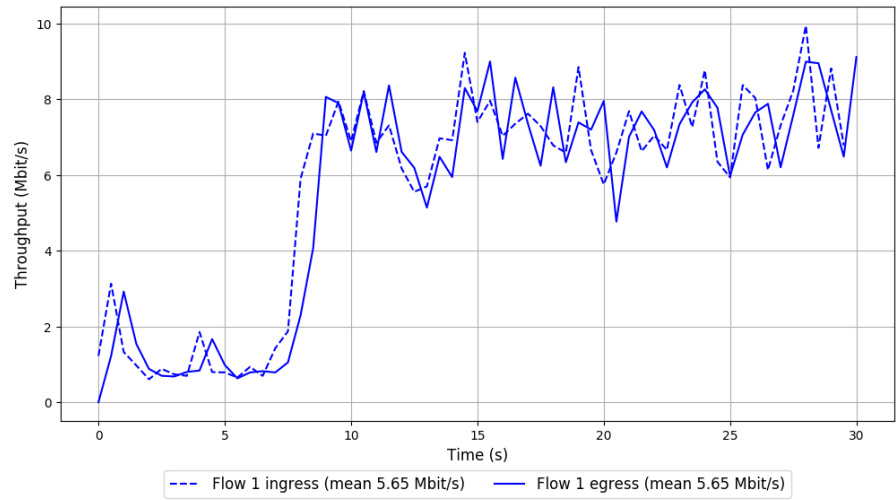


Run 3: Statistics of Sprout

Start at: 2018-07-20 02:17:34
End at: 2018-07-20 02:18:04
Local clock offset: -0.112 ms
Remote clock offset: 0.304 ms

Below is generated by plot.py at 2018-07-20 06:46:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.65 Mbit/s
95th percentile per-packet one-way delay: 54.567 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.65 Mbit/s
95th percentile per-packet one-way delay: 54.567 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-07-20 02:40:00

End at: 2018-07-20 02:40:30

Local clock offset: 0.194 ms

Remote clock offset: 0.287 ms

Below is generated by plot.py at 2018-07-20 06:46:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.06 Mbit/s

95th percentile per-packet one-way delay: 54.379 ms

Loss rate: 0.00%

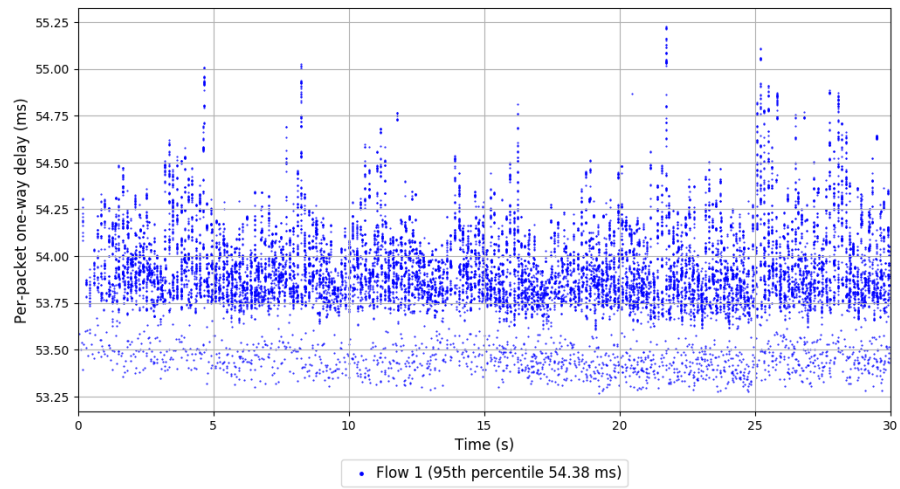
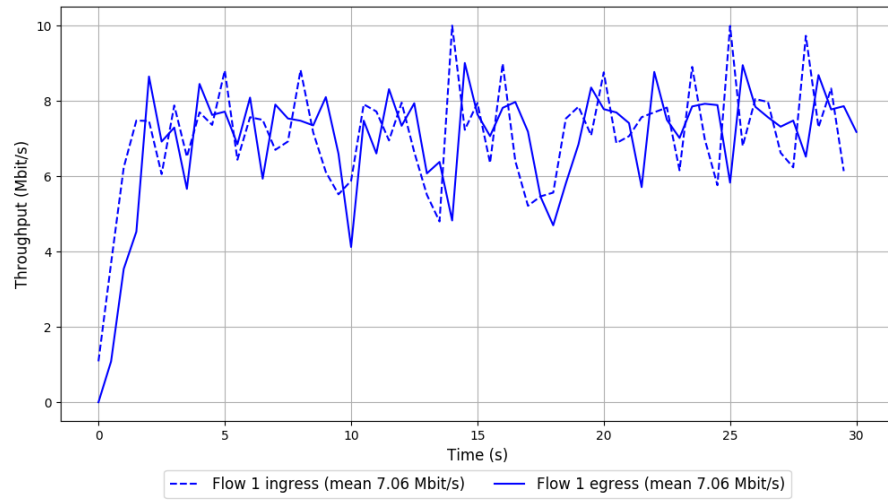
-- Flow 1:

Average throughput: 7.06 Mbit/s

95th percentile per-packet one-way delay: 54.379 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

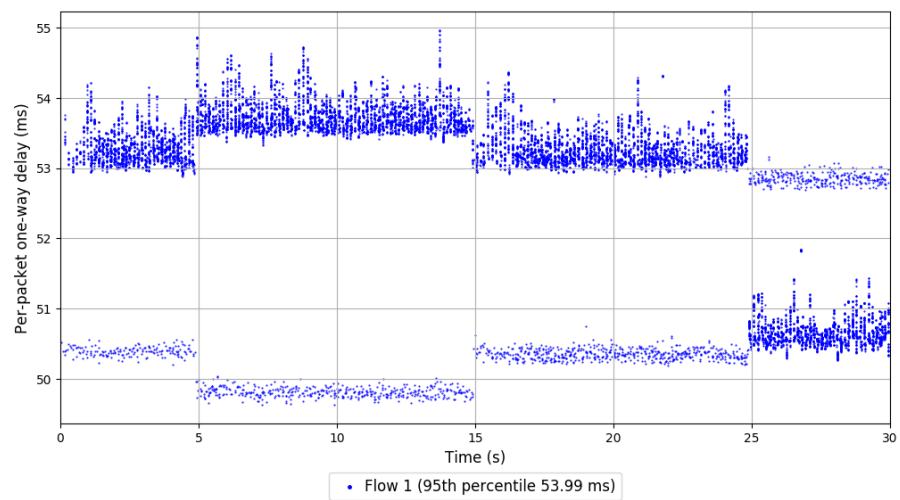
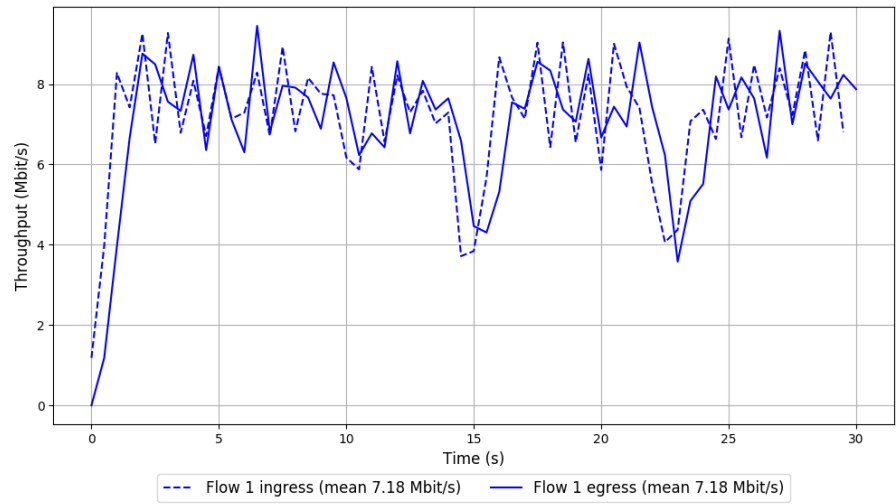


Run 5: Statistics of Sprout

Start at: 2018-07-20 03:02:12
End at: 2018-07-20 03:02:42
Local clock offset: 0.006 ms
Remote clock offset: -0.279 ms

Below is generated by plot.py at 2018-07-20 06:46:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.18 Mbit/s
95th percentile per-packet one-way delay: 53.988 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.18 Mbit/s
95th percentile per-packet one-way delay: 53.988 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

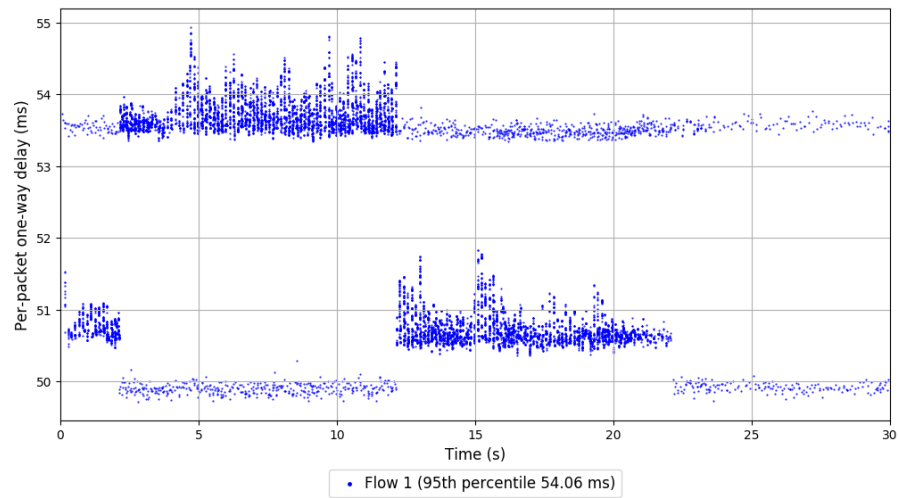
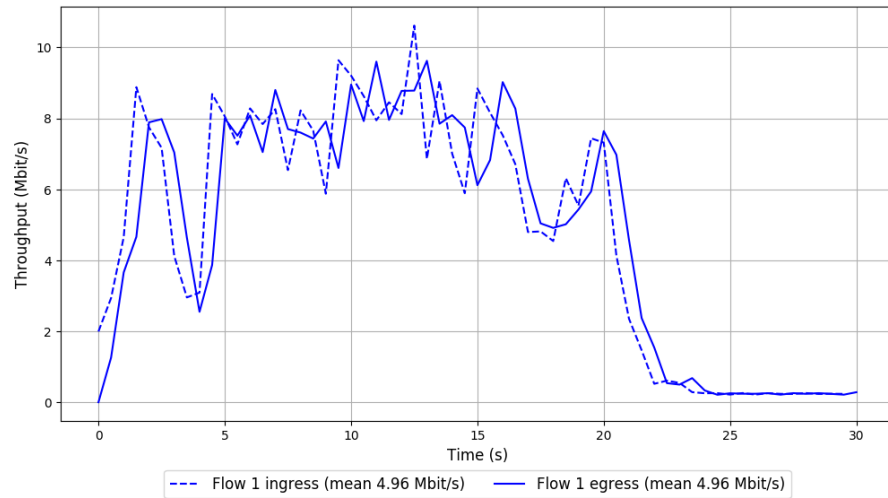


Run 6: Statistics of Sprout

Start at: 2018-07-20 03:24:14
End at: 2018-07-20 03:24:44
Local clock offset: 0.079 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-20 06:46:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.96 Mbit/s
95th percentile per-packet one-way delay: 54.061 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.96 Mbit/s
95th percentile per-packet one-way delay: 54.061 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

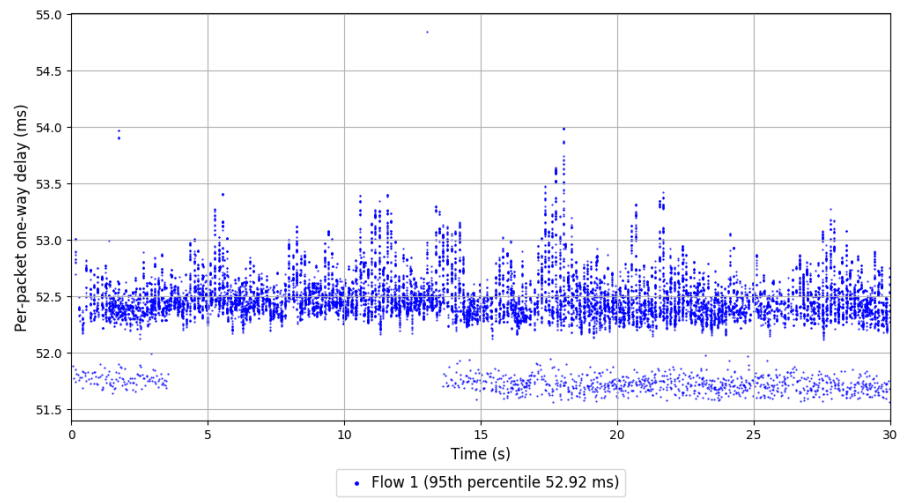
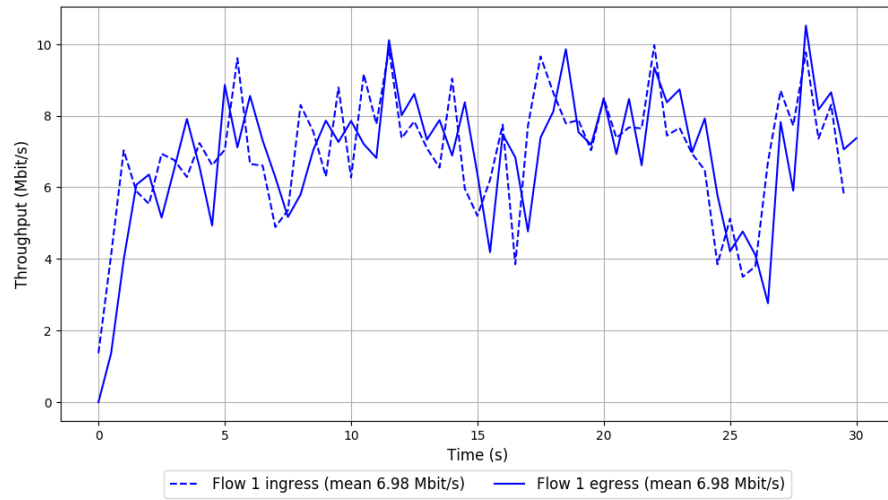


Run 7: Statistics of Sprout

Start at: 2018-07-20 03:46:23
End at: 2018-07-20 03:46:53
Local clock offset: 0.041 ms
Remote clock offset: -1.279 ms

Below is generated by plot.py at 2018-07-20 06:46:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.98 Mbit/s
95th percentile per-packet one-way delay: 52.923 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.98 Mbit/s
95th percentile per-packet one-way delay: 52.923 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-07-20 04:08:27

End at: 2018-07-20 04:08:57

Local clock offset: -0.144 ms

Remote clock offset: 0.069 ms

Below is generated by plot.py at 2018-07-20 06:46:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.45 Mbit/s

95th percentile per-packet one-way delay: 54.372 ms

Loss rate: 0.00%

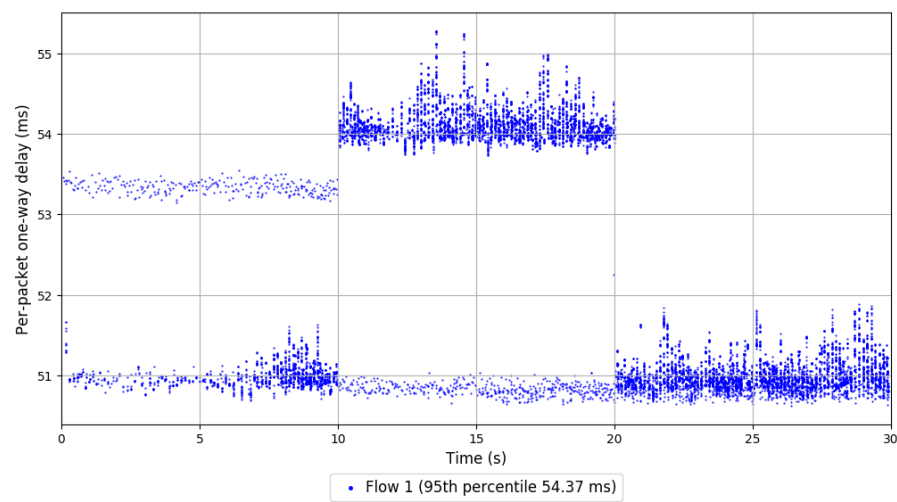
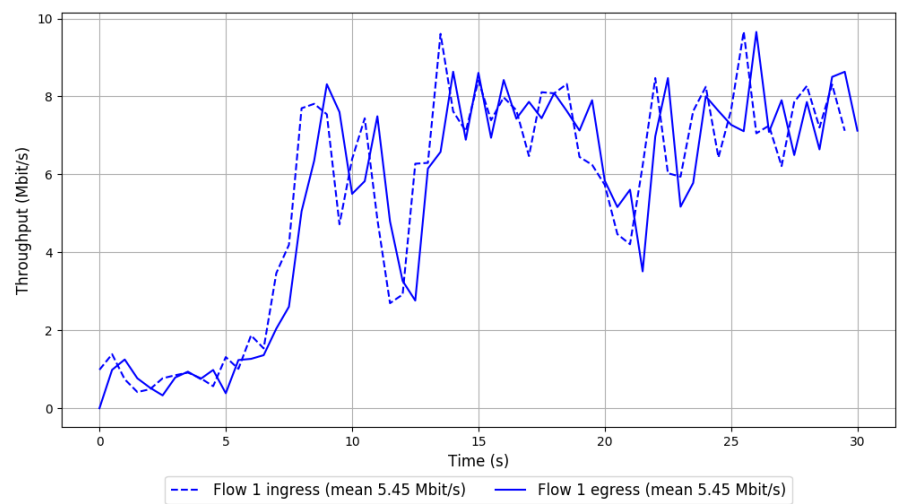
-- Flow 1:

Average throughput: 5.45 Mbit/s

95th percentile per-packet one-way delay: 54.372 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

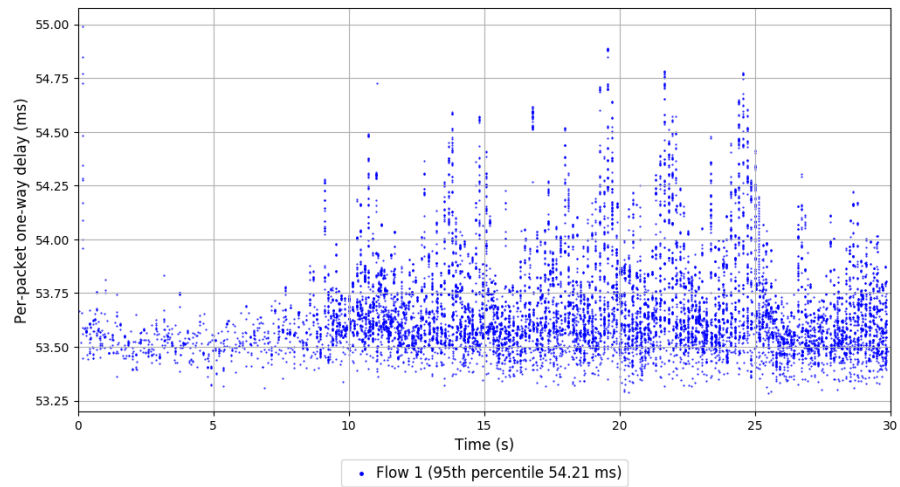
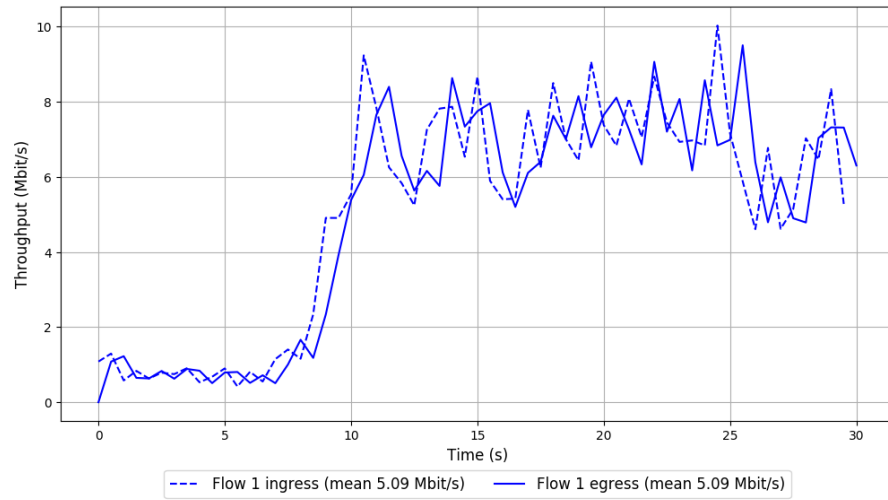


Run 9: Statistics of Sprout

Start at: 2018-07-20 04:30:30
End at: 2018-07-20 04:31:00
Local clock offset: -0.097 ms
Remote clock offset: -0.386 ms

Below is generated by plot.py at 2018-07-20 06:46:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.09 Mbit/s
95th percentile per-packet one-way delay: 54.212 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.09 Mbit/s
95th percentile per-packet one-way delay: 54.212 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-20 04:52:33

End at: 2018-07-20 04:53:03

Local clock offset: 0.031 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2018-07-20 06:46:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.11 Mbit/s

95th percentile per-packet one-way delay: 54.218 ms

Loss rate: 0.00%

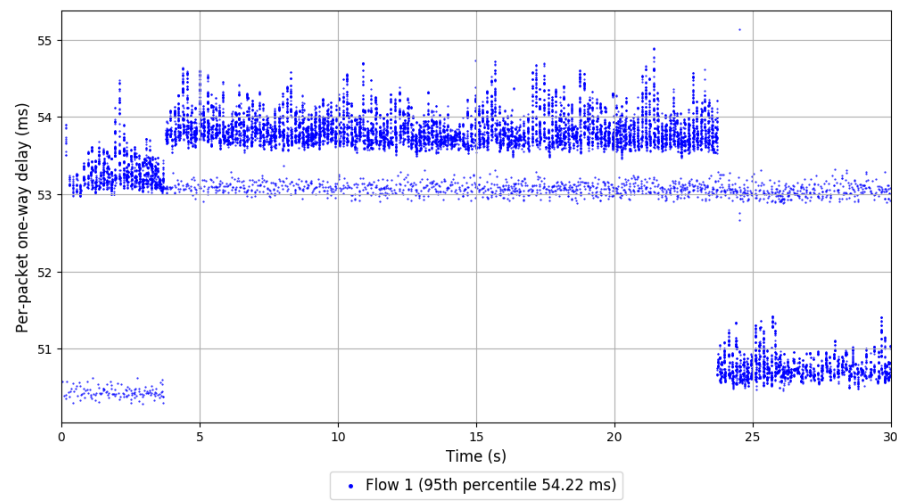
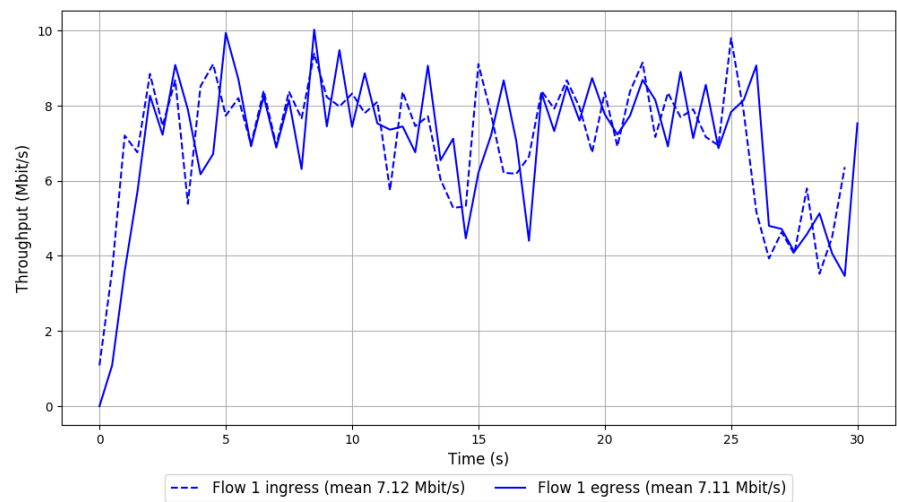
-- Flow 1:

Average throughput: 7.11 Mbit/s

95th percentile per-packet one-way delay: 54.218 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

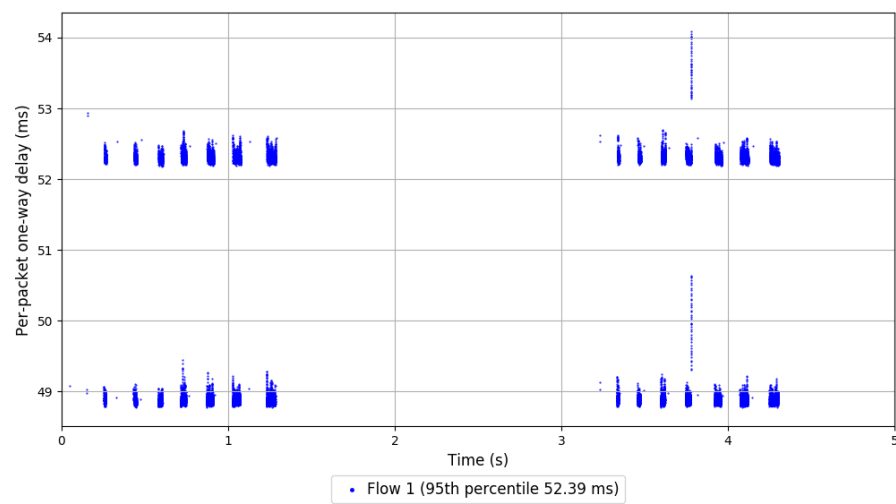
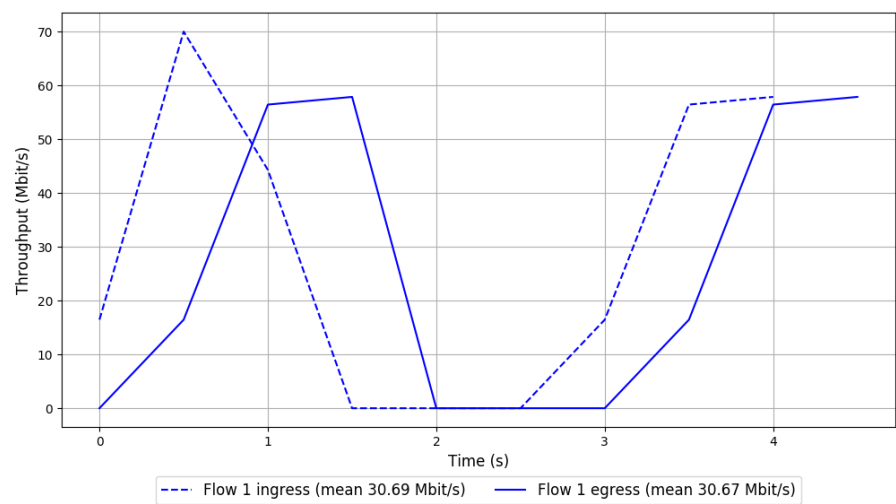
Start at: 2018-07-20 01:30:34

End at: 2018-07-20 01:31:04

Local clock offset: 0.024 ms

Remote clock offset: -1.24 ms

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-20 01:52:14

End at: 2018-07-20 01:52:44

Local clock offset: -0.099 ms

Remote clock offset: -1.054 ms

Below is generated by plot.py at 2018-07-20 06:46:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 231.52 Mbit/s

95th percentile per-packet one-way delay: 52.582 ms

Loss rate: 0.00%

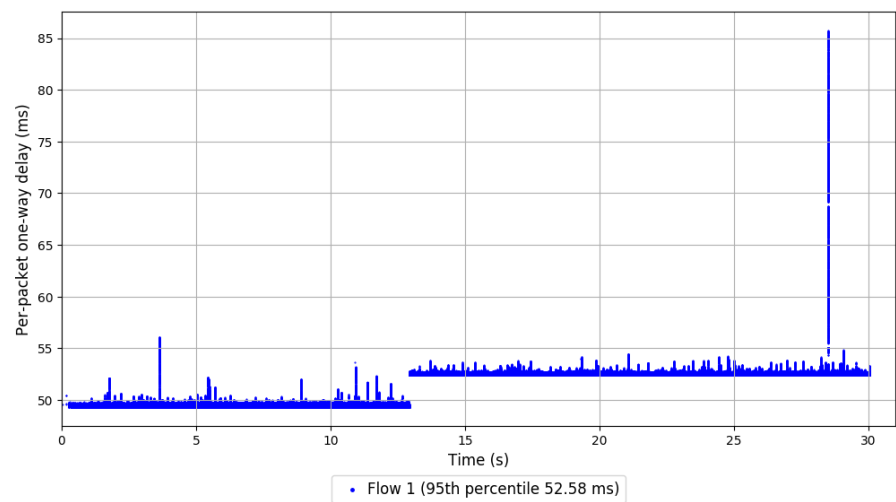
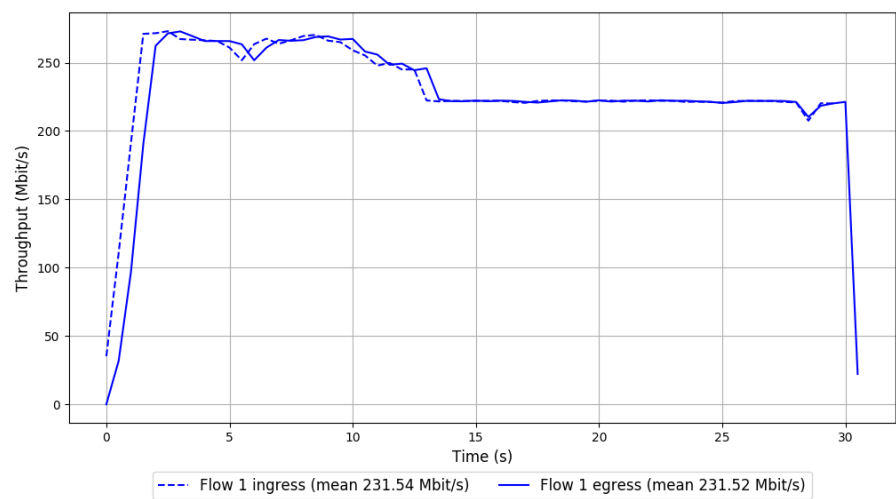
-- Flow 1:

Average throughput: 231.52 Mbit/s

95th percentile per-packet one-way delay: 52.582 ms

Loss rate: 0.00%

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

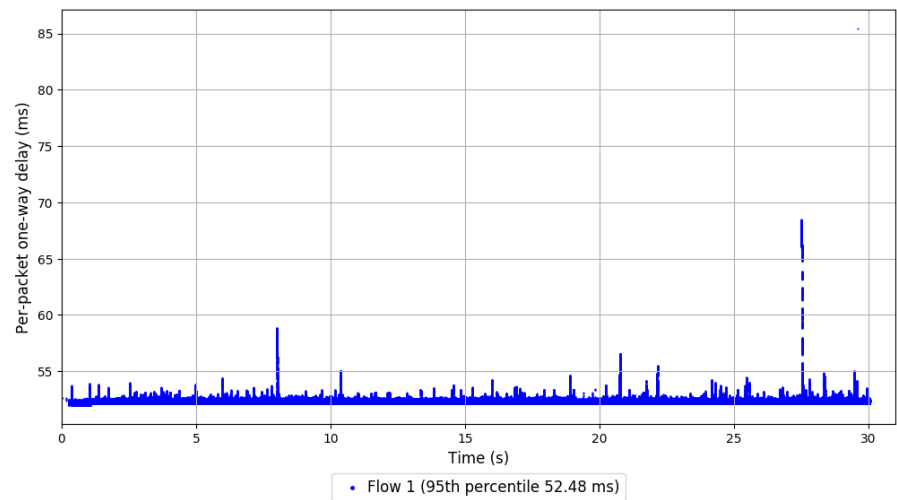
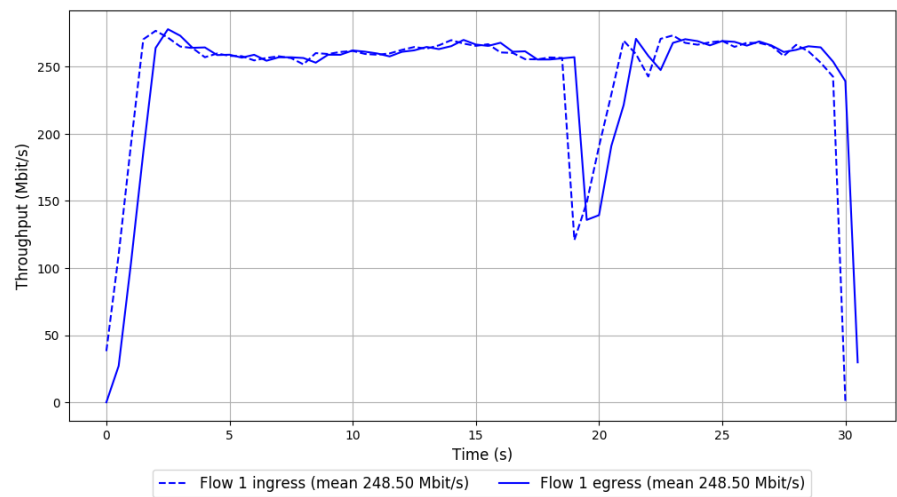


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-20 02:14:36
End at: 2018-07-20 02:15:06
Local clock offset: -0.289 ms
Remote clock offset: -1.357 ms

Below is generated by plot.py at 2018-07-20 06:47:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 248.50 Mbit/s
95th percentile per-packet one-way delay: 52.482 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 248.50 Mbit/s
95th percentile per-packet one-way delay: 52.482 ms
Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-20 02:37:05

End at: 2018-07-20 02:37:35

Local clock offset: 0.132 ms

Remote clock offset: 1.312 ms

Below is generated by plot.py at 2018-07-20 06:49:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.13 Mbit/s

95th percentile per-packet one-way delay: 54.871 ms

Loss rate: 0.00%

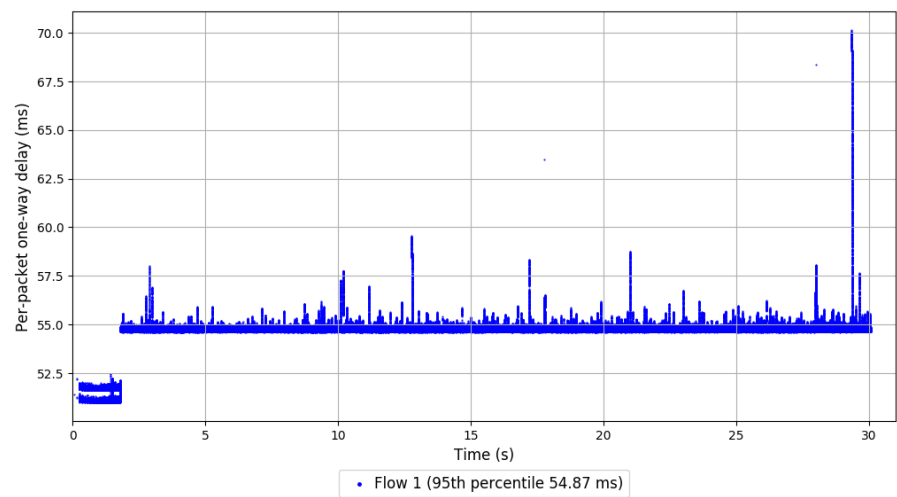
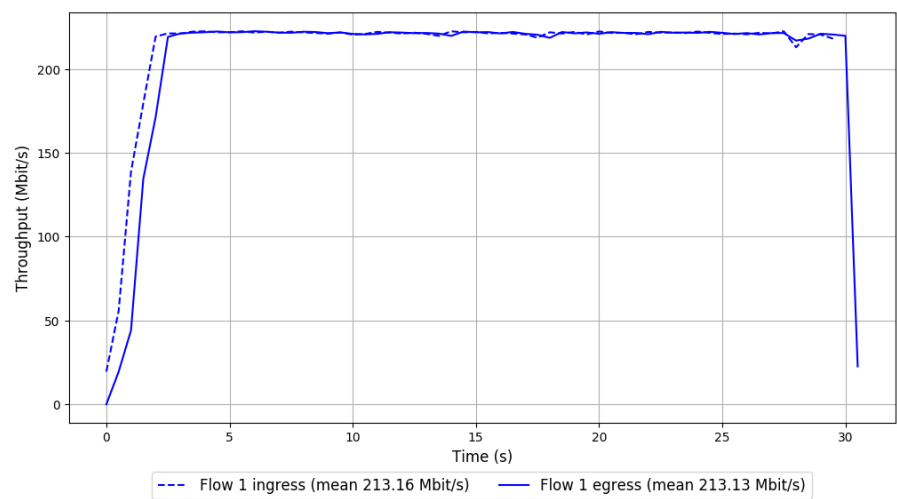
-- Flow 1:

Average throughput: 213.13 Mbit/s

95th percentile per-packet one-way delay: 54.871 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

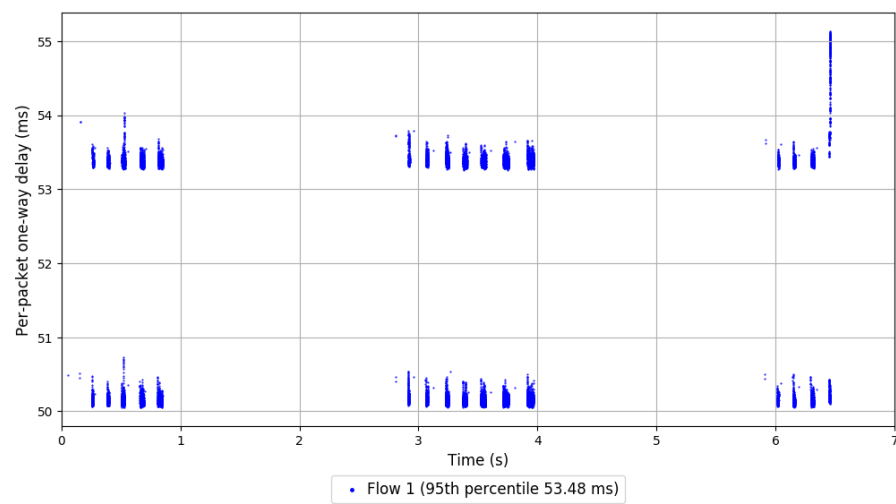
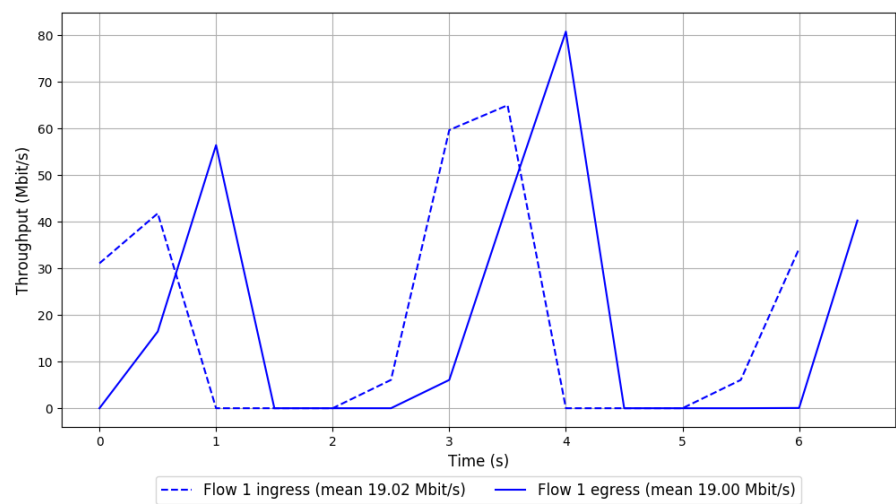
Start at: 2018-07-20 02:59:28

End at: 2018-07-20 02:59:58

Local clock offset: 0.011 ms

Remote clock offset: 0.171 ms

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-20 03:21:26

End at: 2018-07-20 03:21:56

Local clock offset: -0.106 ms

Remote clock offset: -0.138 ms

Below is generated by plot.py at 2018-07-20 06:49:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.01 Mbit/s

95th percentile per-packet one-way delay: 53.600 ms

Loss rate: 0.01%

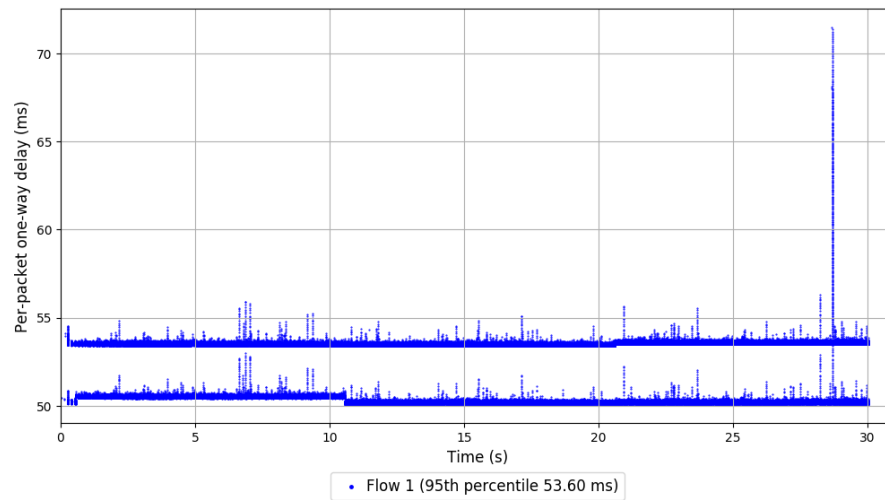
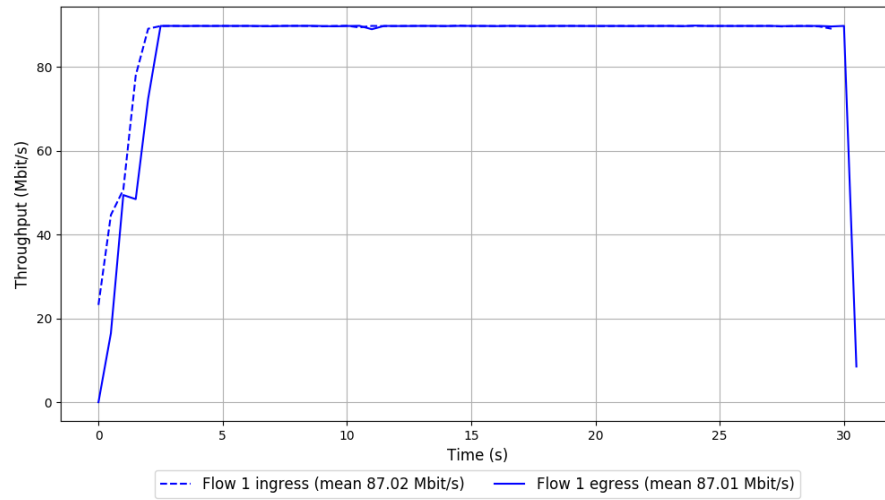
-- Flow 1:

Average throughput: 87.01 Mbit/s

95th percentile per-packet one-way delay: 53.600 ms

Loss rate: 0.01%

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

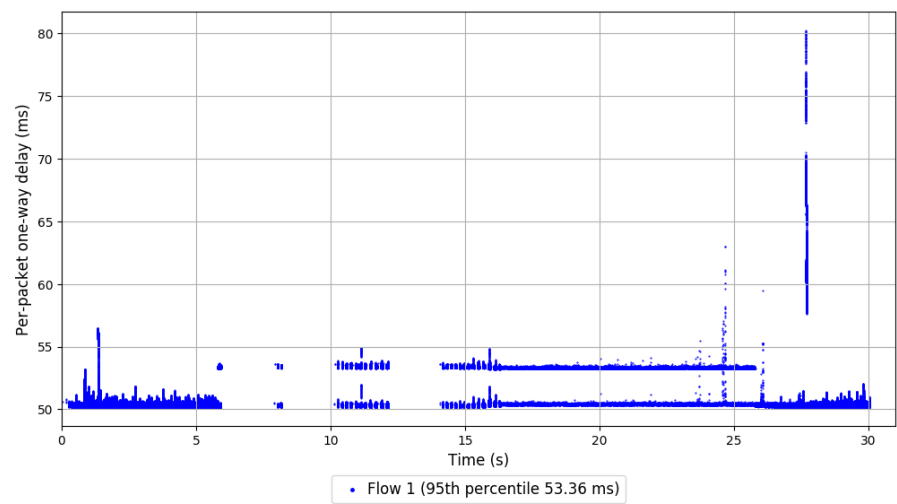
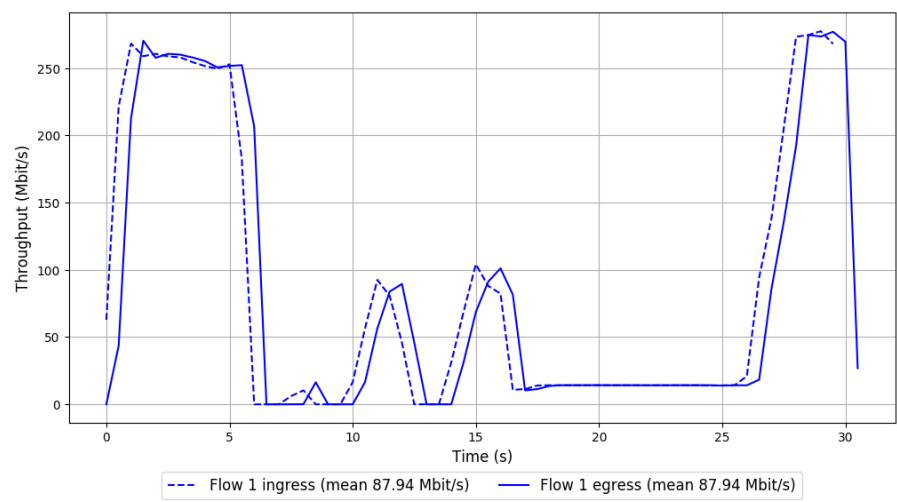


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-20 03:43:31
End at: 2018-07-20 03:44:01
Local clock offset: -0.028 ms
Remote clock offset: -0.208 ms

Below is generated by plot.py at 2018-07-20 06:49:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.94 Mbit/s
95th percentile per-packet one-way delay: 53.361 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.94 Mbit/s
95th percentile per-packet one-way delay: 53.361 ms
Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-20 04:05:48

End at: 2018-07-20 04:06:18

Local clock offset: -0.06 ms

Remote clock offset: -0.214 ms

Below is generated by plot.py at 2018-07-20 06:49:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.67 Mbit/s

95th percentile per-packet one-way delay: 53.456 ms

Loss rate: 0.00%

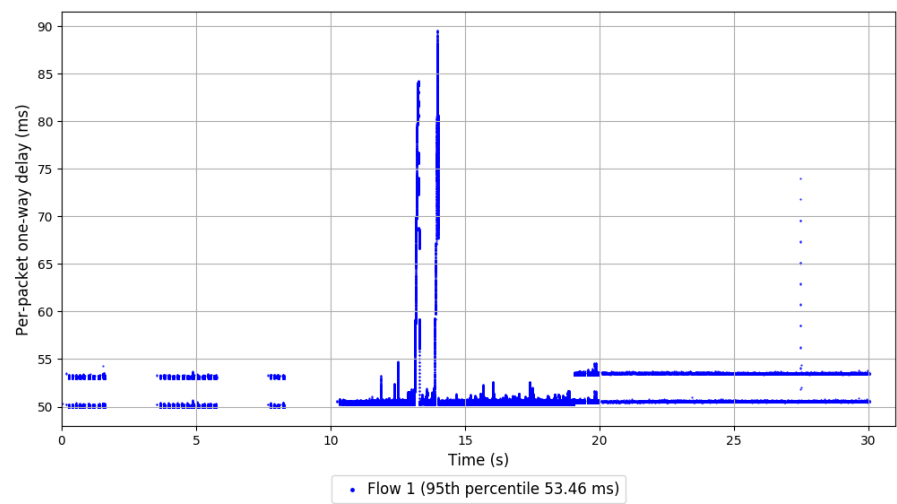
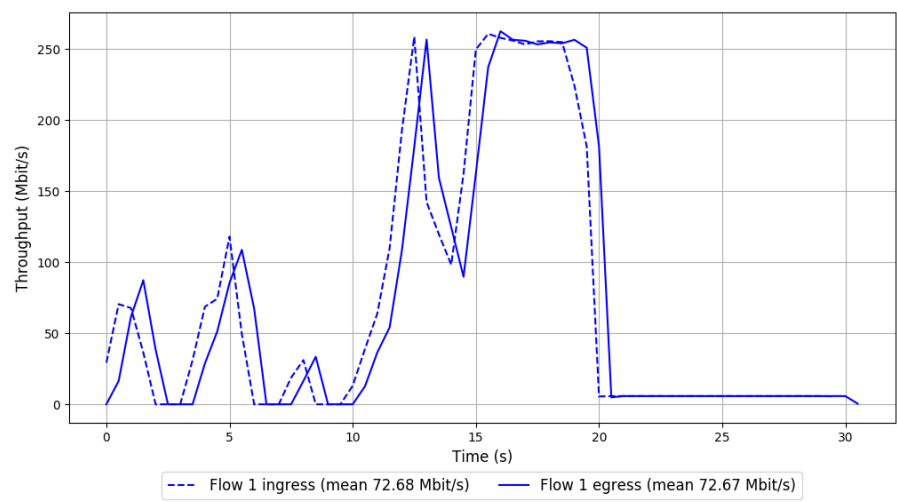
-- Flow 1:

Average throughput: 72.67 Mbit/s

95th percentile per-packet one-way delay: 53.456 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-20 04:27:55

End at: 2018-07-20 04:28:25

Local clock offset: 0.272 ms

Remote clock offset: -0.407 ms

Below is generated by plot.py at 2018-07-20 06:49:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 18.00 Mbit/s

95th percentile per-packet one-way delay: 53.008 ms

Loss rate: 0.00%

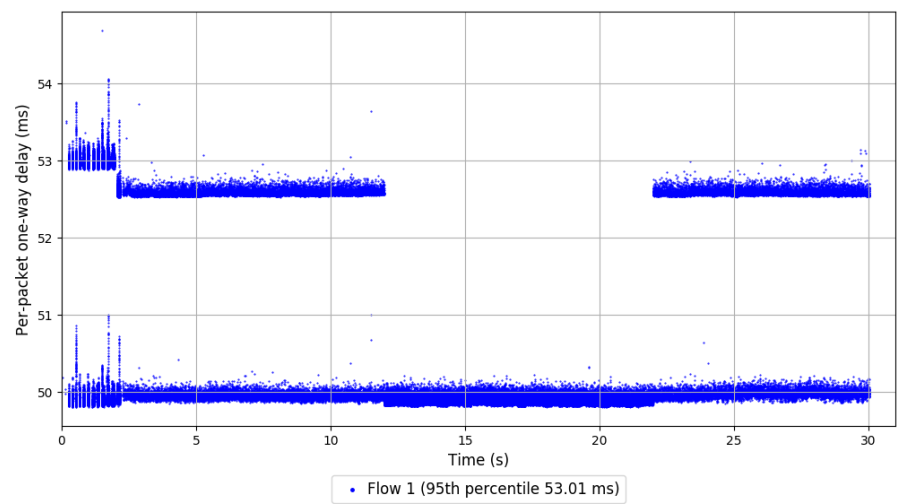
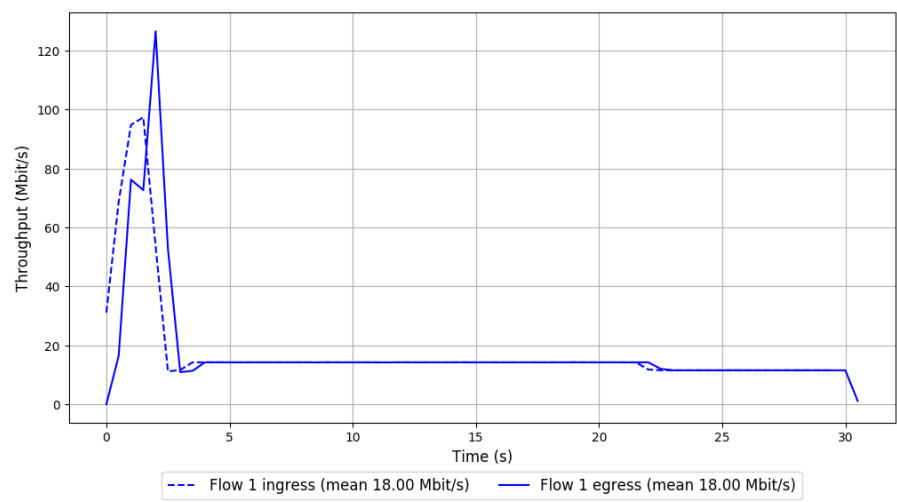
-- Flow 1:

Average throughput: 18.00 Mbit/s

95th percentile per-packet one-way delay: 53.008 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-20 04:49:44

End at: 2018-07-20 04:50:14

Local clock offset: 0.065 ms

Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-07-20 06:49:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 109.50 Mbit/s

95th percentile per-packet one-way delay: 53.444 ms

Loss rate: 0.00%

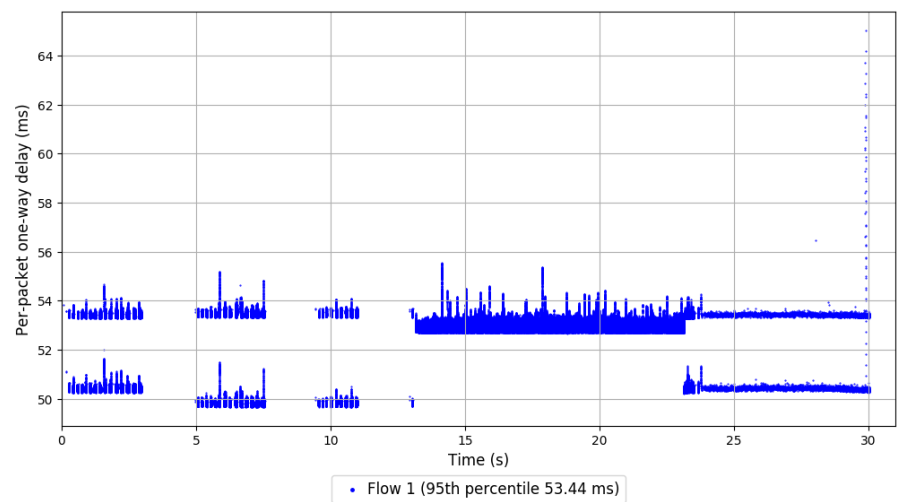
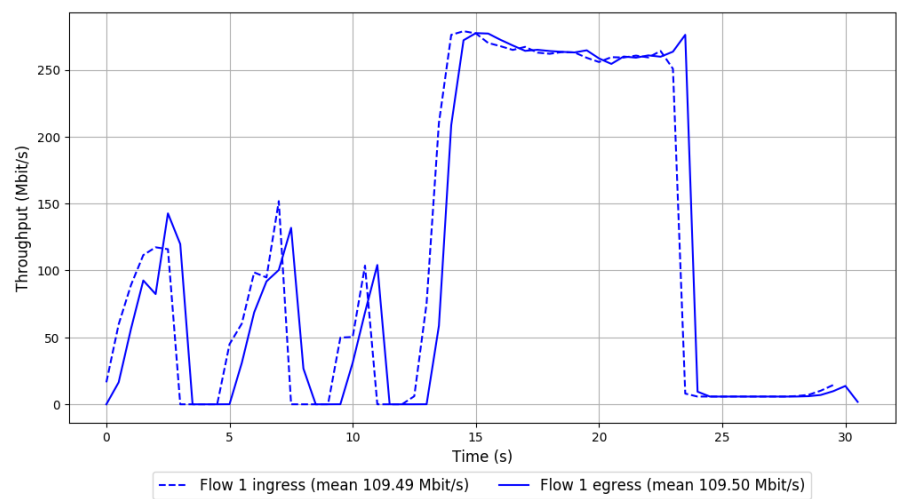
-- Flow 1:

Average throughput: 109.50 Mbit/s

95th percentile per-packet one-way delay: 53.444 ms

Loss rate: 0.00%

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

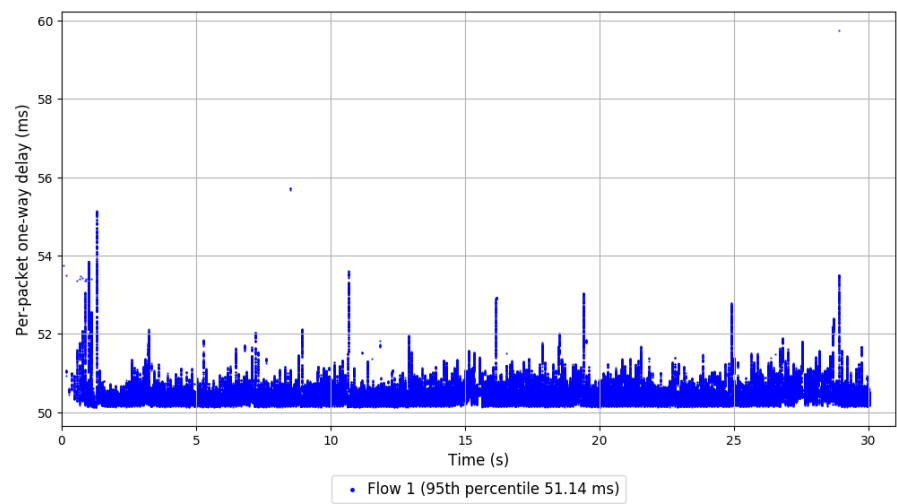
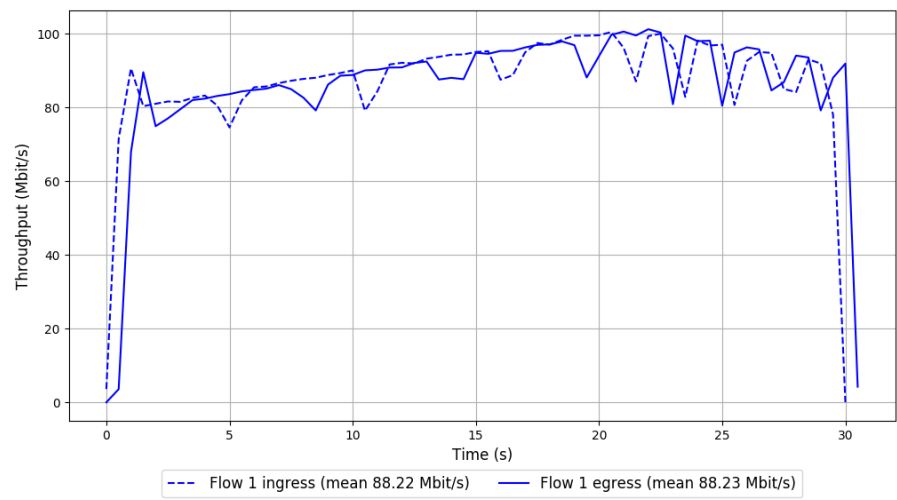


Run 1: Statistics of TCP Vegas

Start at: 2018-07-20 01:38:30
End at: 2018-07-20 01:39:00
Local clock offset: 0.077 ms
Remote clock offset: -0.157 ms

Below is generated by plot.py at 2018-07-20 06:49:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.23 Mbit/s
95th percentile per-packet one-way delay: 51.140 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.23 Mbit/s
95th percentile per-packet one-way delay: 51.140 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-20 02:00:41

End at: 2018-07-20 02:01:11

Local clock offset: -0.134 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2018-07-20 06:49:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 126.02 Mbit/s

95th percentile per-packet one-way delay: 54.406 ms

Loss rate: 0.00%

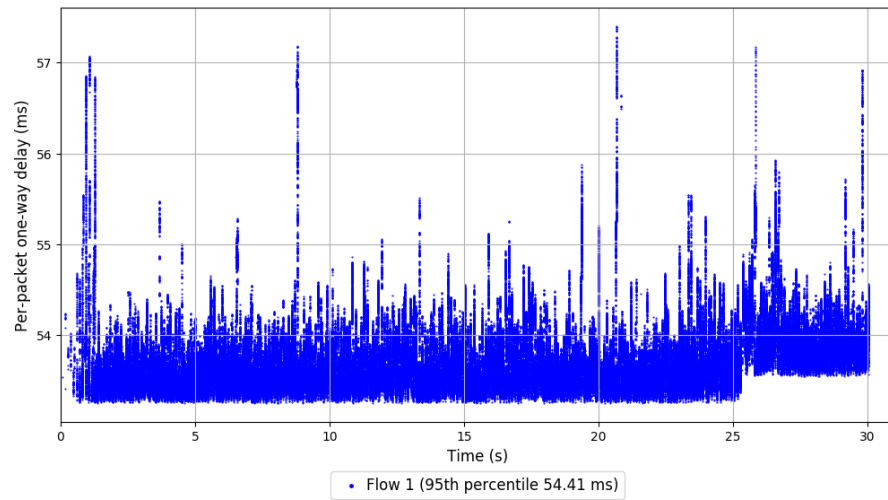
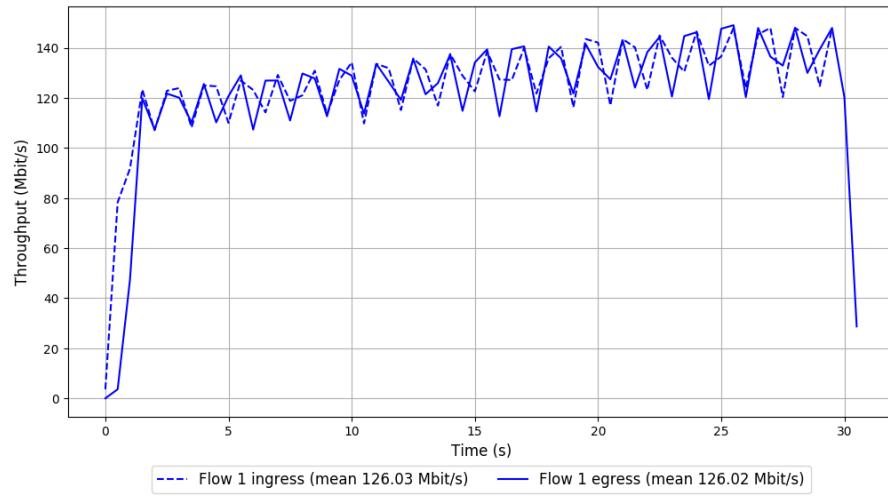
-- Flow 1:

Average throughput: 126.02 Mbit/s

95th percentile per-packet one-way delay: 54.406 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-20 02:23:13

End at: 2018-07-20 02:23:43

Local clock offset: -0.177 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-20 06:49:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.13 Mbit/s

95th percentile per-packet one-way delay: 54.570 ms

Loss rate: 0.00%

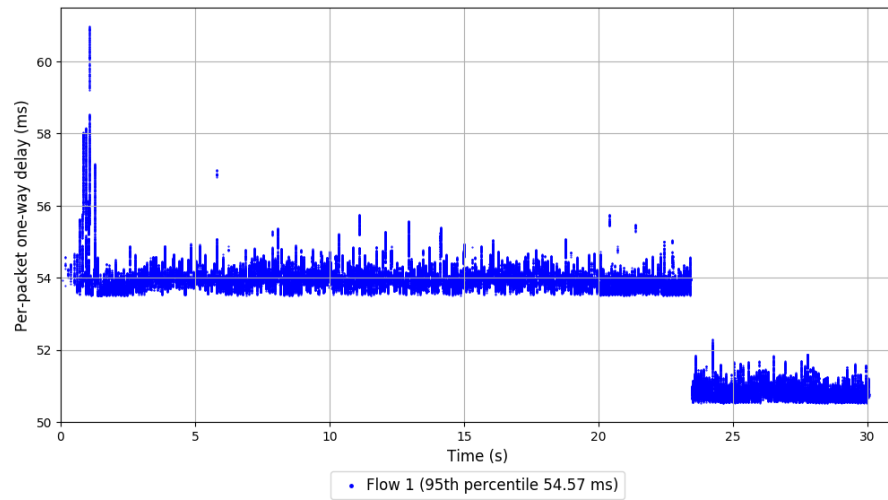
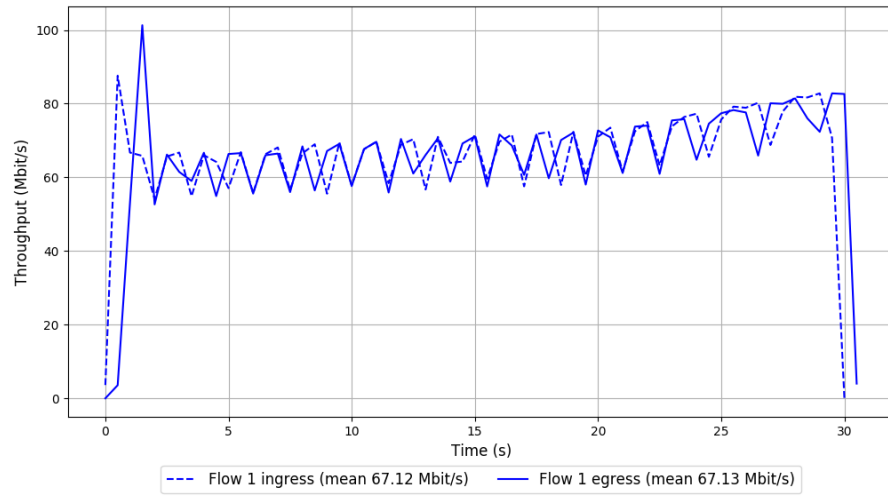
-- Flow 1:

Average throughput: 67.13 Mbit/s

95th percentile per-packet one-way delay: 54.570 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

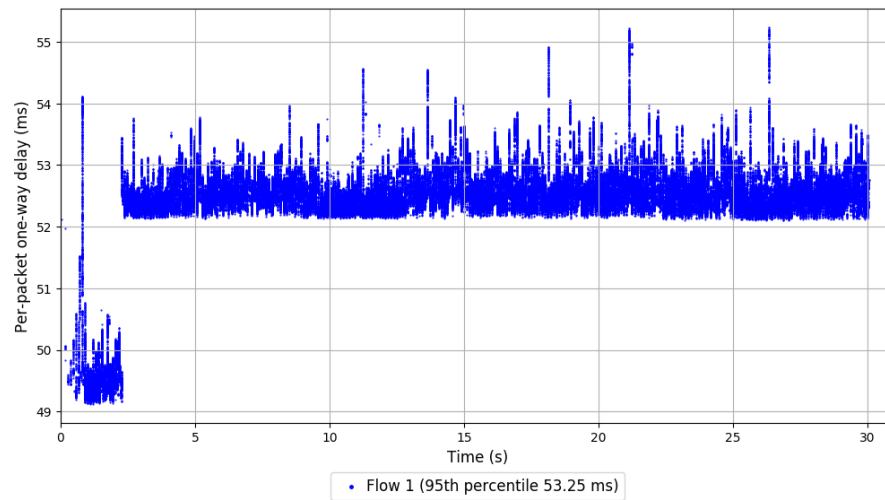
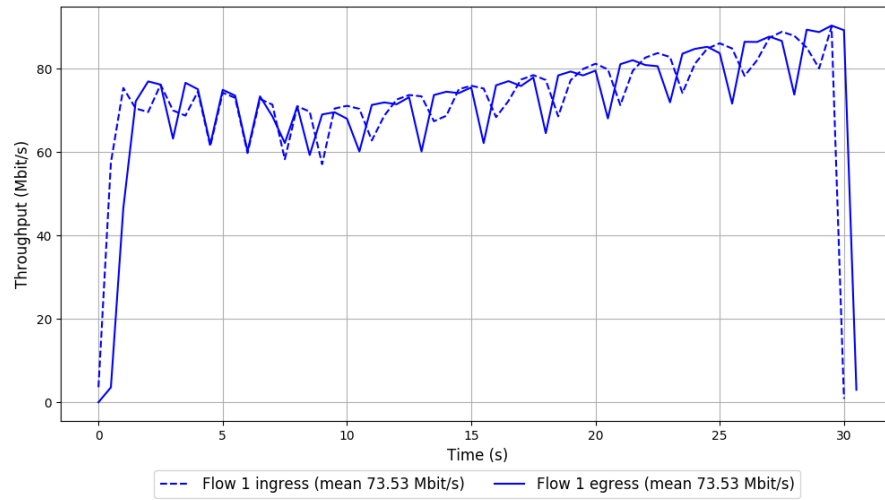


Run 4: Statistics of TCP Vegas

Start at: 2018-07-20 02:45:34
End at: 2018-07-20 02:46:04
Local clock offset: 0.15 ms
Remote clock offset: -1.228 ms

Below is generated by plot.py at 2018-07-20 06:49:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.53 Mbit/s
95th percentile per-packet one-way delay: 53.251 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.53 Mbit/s
95th percentile per-packet one-way delay: 53.251 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-20 03:07:38

End at: 2018-07-20 03:08:08

Local clock offset: 0.08 ms

Remote clock offset: 0.211 ms

Below is generated by plot.py at 2018-07-20 06:49:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.45 Mbit/s

95th percentile per-packet one-way delay: 54.480 ms

Loss rate: 0.00%

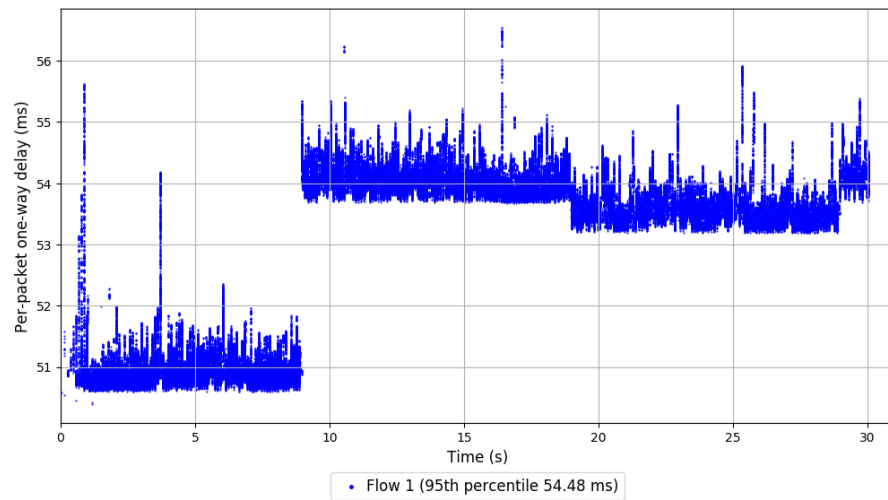
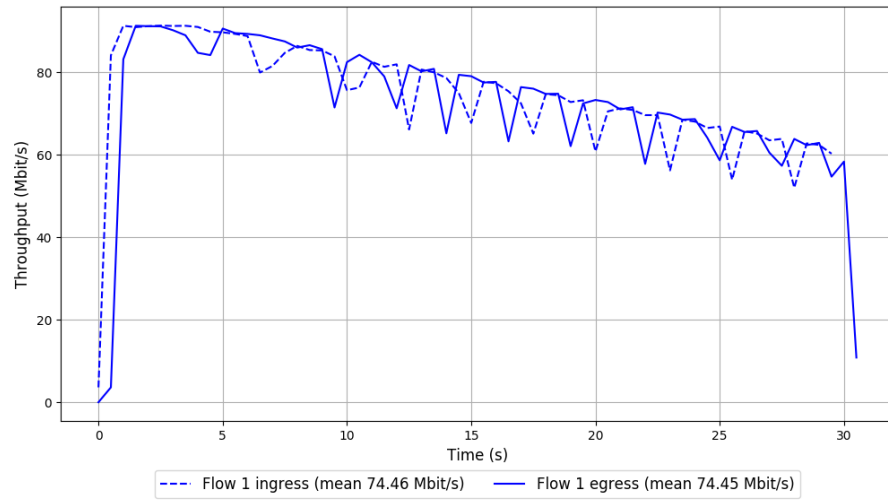
-- Flow 1:

Average throughput: 74.45 Mbit/s

95th percentile per-packet one-way delay: 54.480 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-20 03:29:41

End at: 2018-07-20 03:30:11

Local clock offset: 0.019 ms

Remote clock offset: 1.201 ms

Below is generated by plot.py at 2018-07-20 06:50:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 113.80 Mbit/s

95th percentile per-packet one-way delay: 55.611 ms

Loss rate: 0.00%

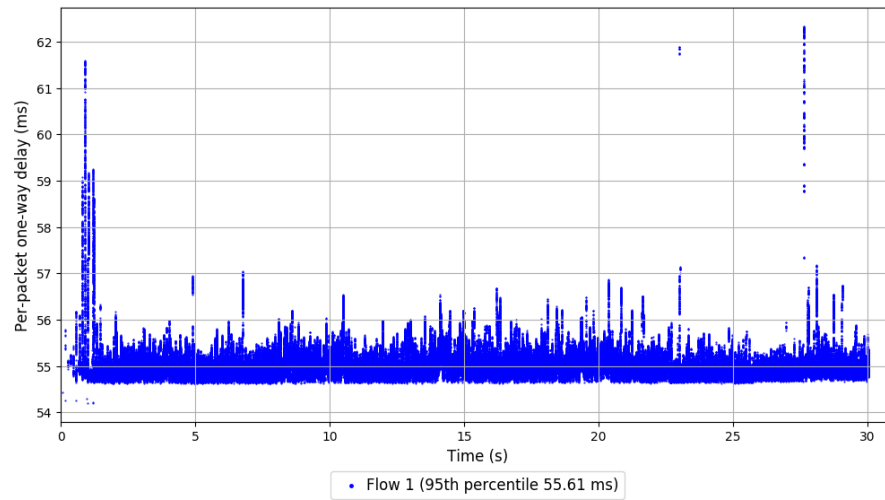
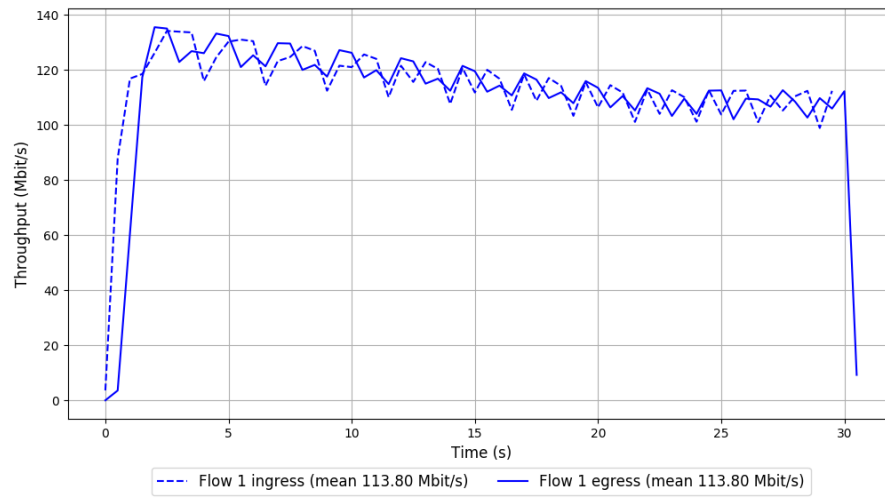
-- Flow 1:

Average throughput: 113.80 Mbit/s

95th percentile per-packet one-way delay: 55.611 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

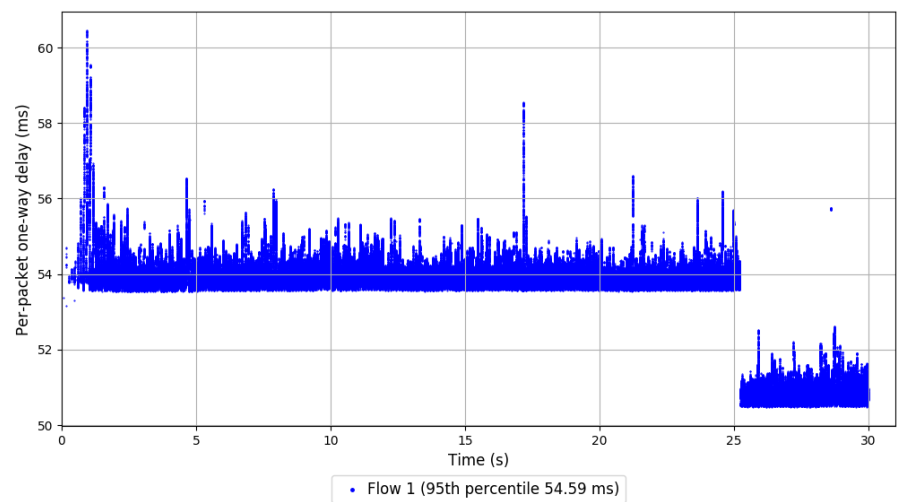
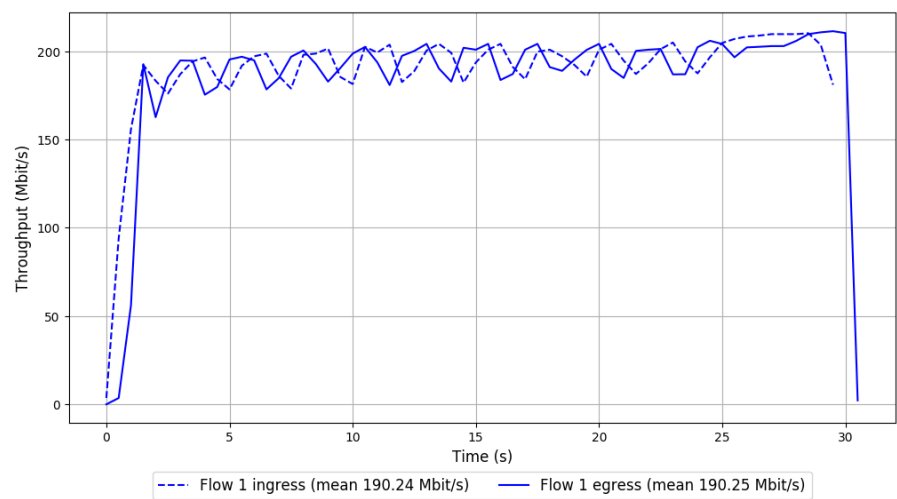


Run 7: Statistics of TCP Vegas

Start at: 2018-07-20 03:51:51
End at: 2018-07-20 03:52:21
Local clock offset: -0.086 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-20 06:51:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 190.25 Mbit/s
95th percentile per-packet one-way delay: 54.594 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 190.25 Mbit/s
95th percentile per-packet one-way delay: 54.594 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

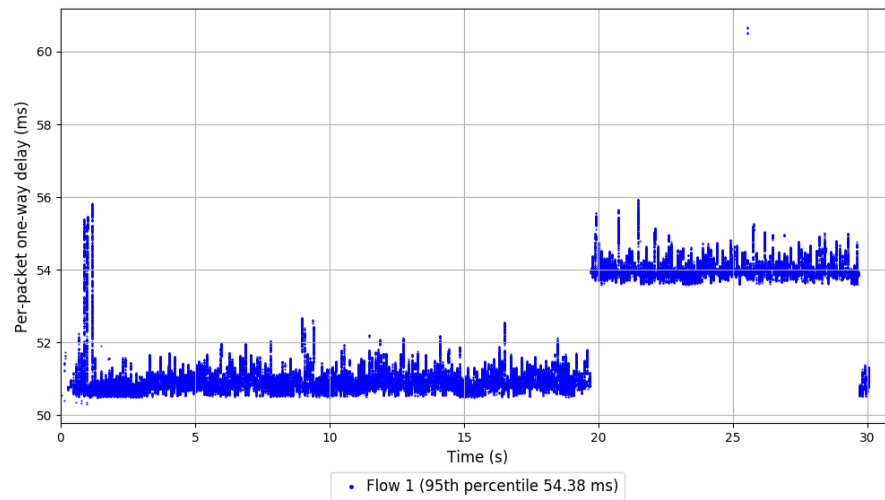
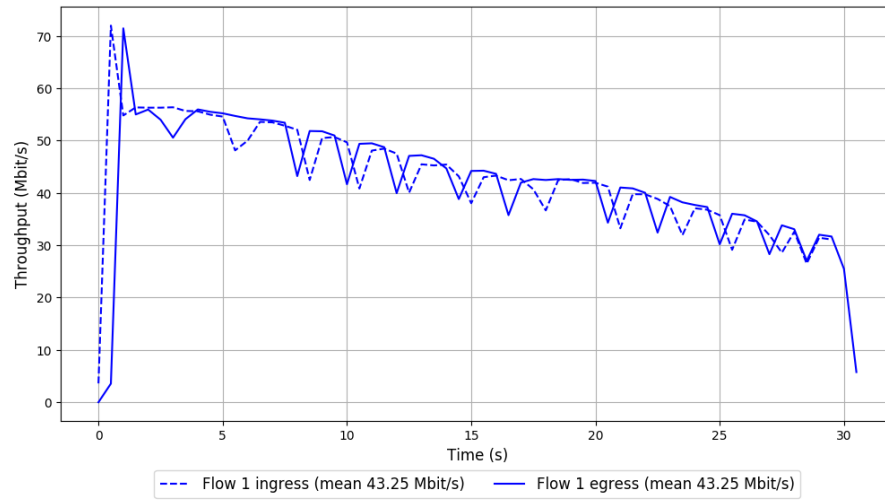


Run 8: Statistics of TCP Vegas

Start at: 2018-07-20 04:14:07
End at: 2018-07-20 04:14:37
Local clock offset: -0.074 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-20 06:51:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 43.25 Mbit/s
95th percentile per-packet one-way delay: 54.380 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.25 Mbit/s
95th percentile per-packet one-way delay: 54.380 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

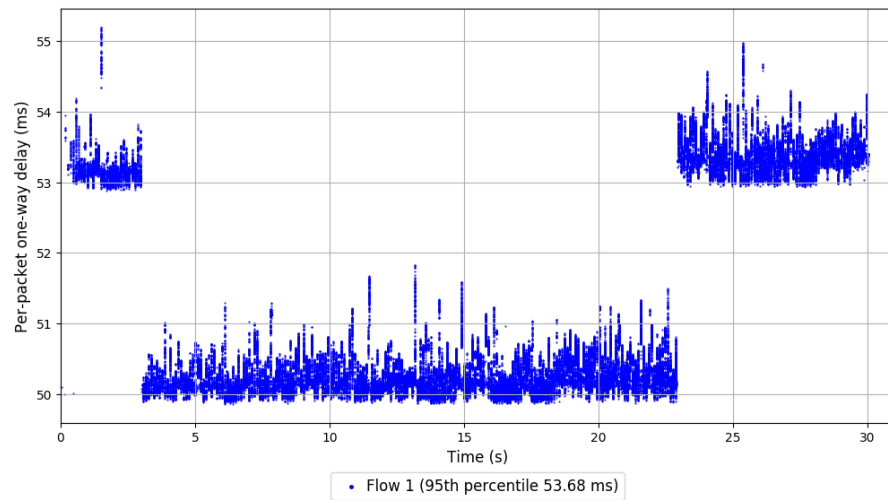
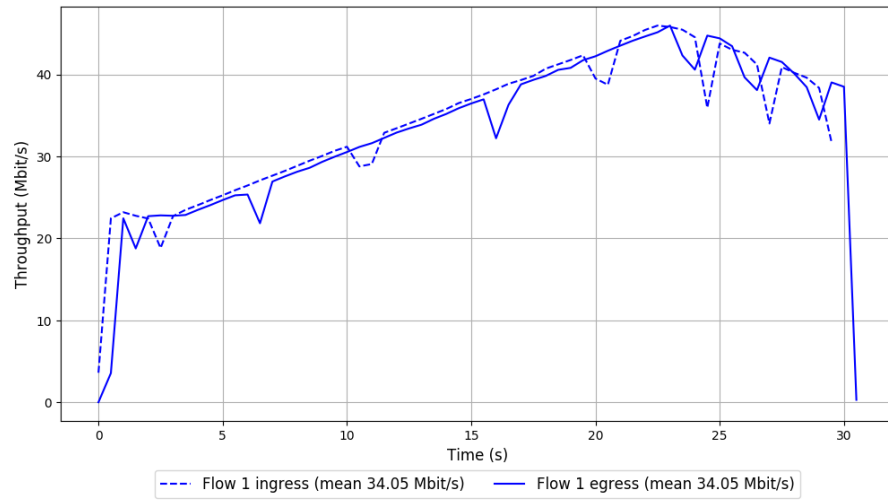


Run 9: Statistics of TCP Vegas

Start at: 2018-07-20 04:35:54
End at: 2018-07-20 04:36:24
Local clock offset: 0.176 ms
Remote clock offset: -0.466 ms

Below is generated by plot.py at 2018-07-20 06:51:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.05 Mbit/s
95th percentile per-packet one-way delay: 53.682 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.05 Mbit/s
95th percentile per-packet one-way delay: 53.682 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-20 04:58:05

End at: 2018-07-20 04:58:35

Local clock offset: -0.08 ms

Remote clock offset: -0.219 ms

Below is generated by plot.py at 2018-07-20 06:51:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 113.54 Mbit/s

95th percentile per-packet one-way delay: 53.995 ms

Loss rate: 0.00%

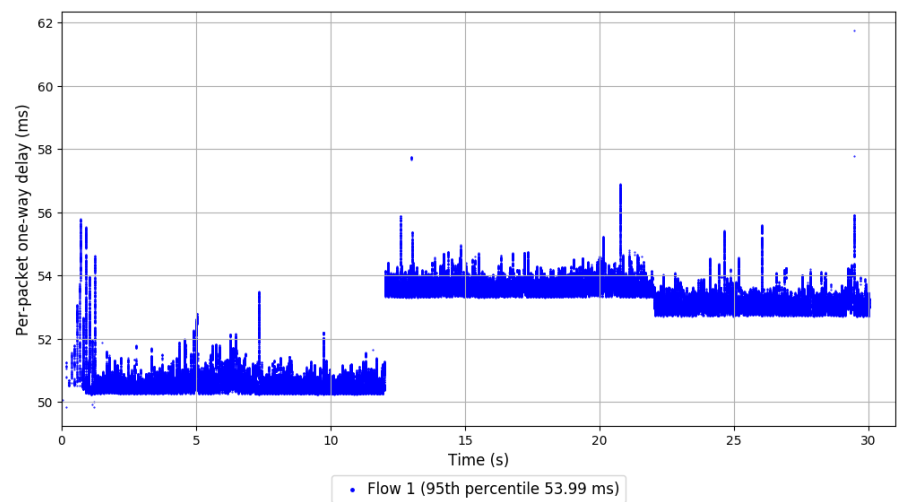
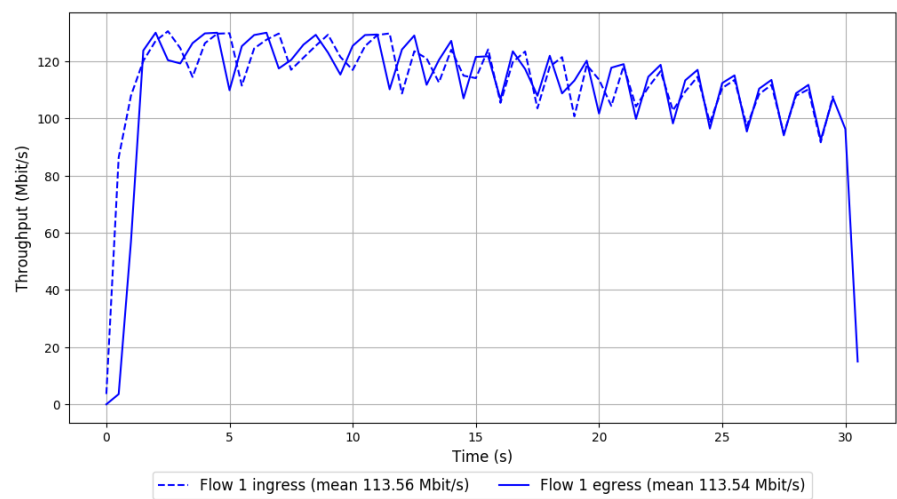
-- Flow 1:

Average throughput: 113.54 Mbit/s

95th percentile per-packet one-way delay: 53.995 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

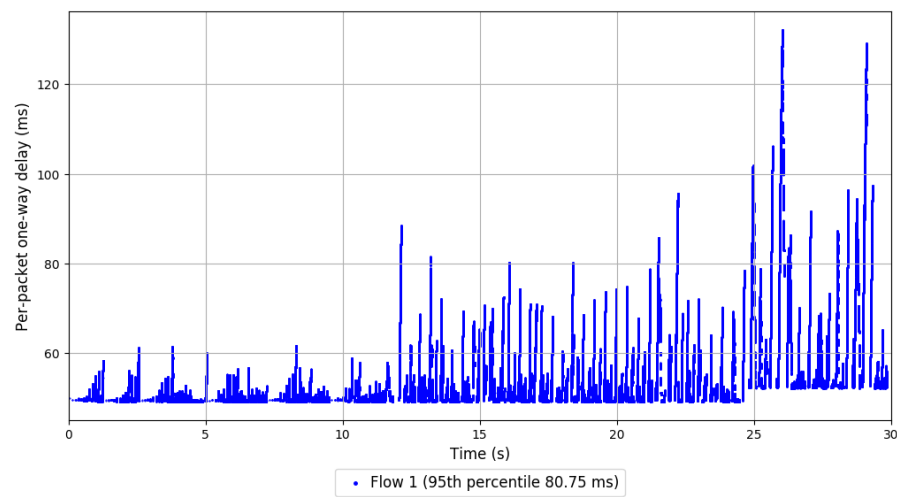
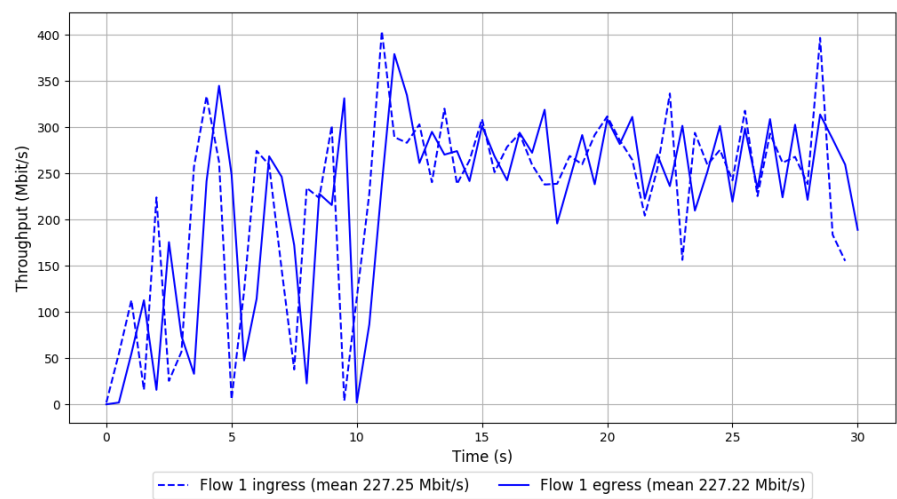


Run 1: Statistics of Verus

Start at: 2018-07-20 01:24:02
End at: 2018-07-20 01:24:32
Local clock offset: -0.044 ms
Remote clock offset: -1.277 ms

Below is generated by plot.py at 2018-07-20 06:53:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 227.22 Mbit/s
95th percentile per-packet one-way delay: 80.755 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 227.22 Mbit/s
95th percentile per-packet one-way delay: 80.755 ms
Loss rate: 0.00%

Run 1: Report of Verus — Data Link

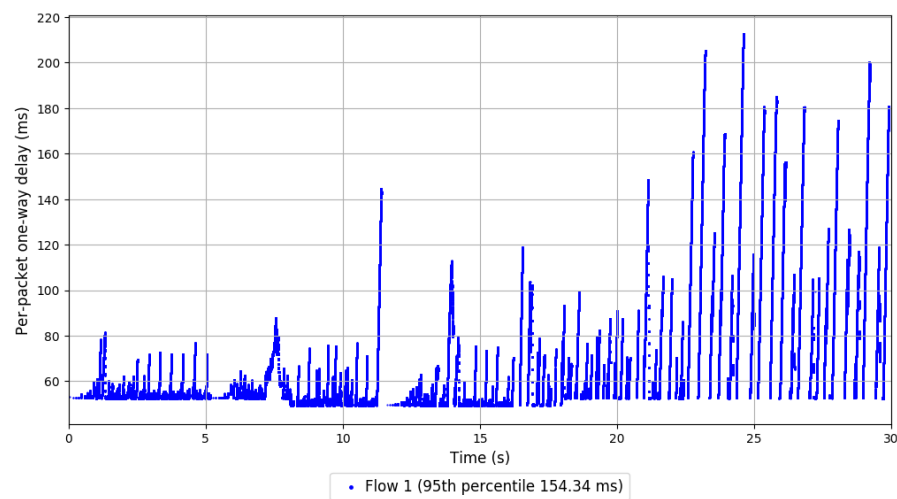
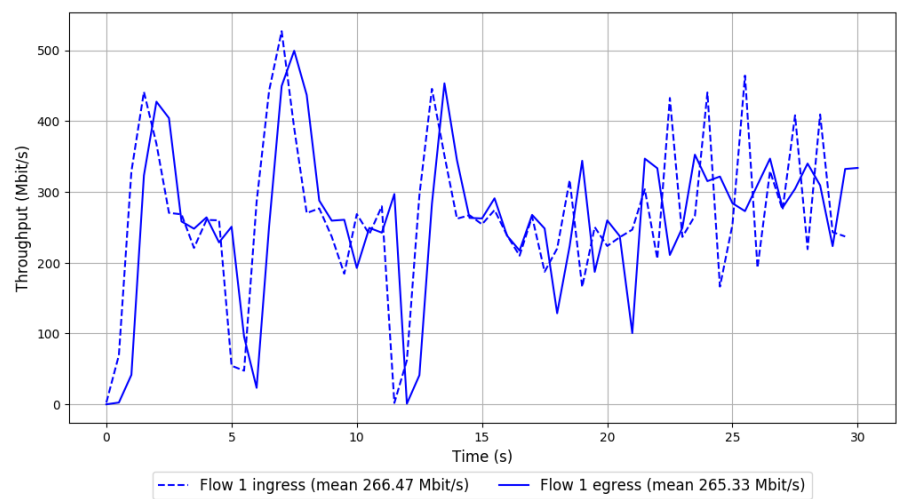


Run 2: Statistics of Verus

Start at: 2018-07-20 01:45:38
End at: 2018-07-20 01:46:08
Local clock offset: -0.262 ms
Remote clock offset: -1.426 ms

Below is generated by plot.py at 2018-07-20 06:53:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 265.33 Mbit/s
95th percentile per-packet one-way delay: 154.339 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 265.33 Mbit/s
95th percentile per-packet one-way delay: 154.339 ms
Loss rate: 0.00%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-20 02:08:00

End at: 2018-07-20 02:08:30

Local clock offset: 0.04 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-20 06:53:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 255.41 Mbit/s

95th percentile per-packet one-way delay: 125.051 ms

Loss rate: 0.00%

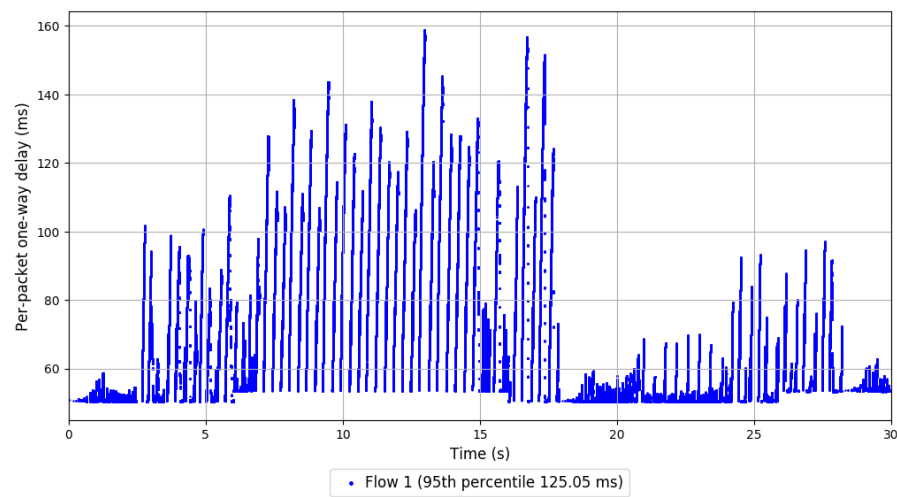
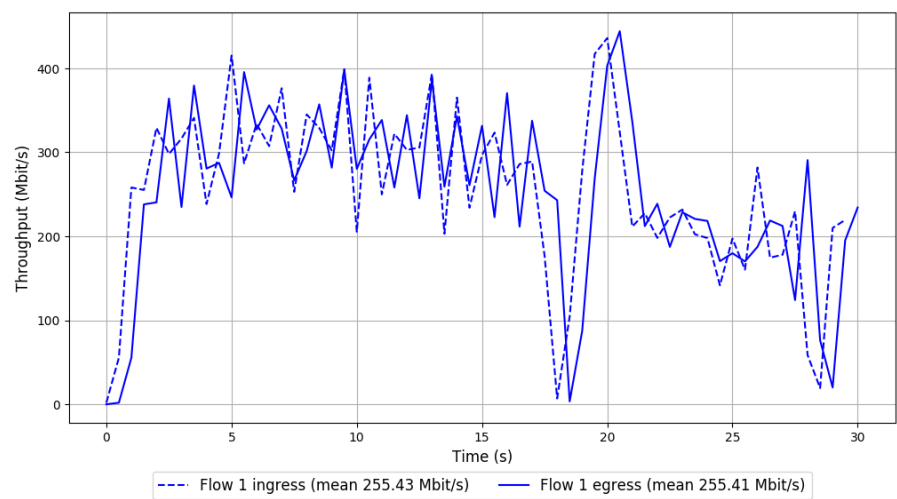
-- Flow 1:

Average throughput: 255.41 Mbit/s

95th percentile per-packet one-way delay: 125.051 ms

Loss rate: 0.00%

Run 3: Report of Verus — Data Link

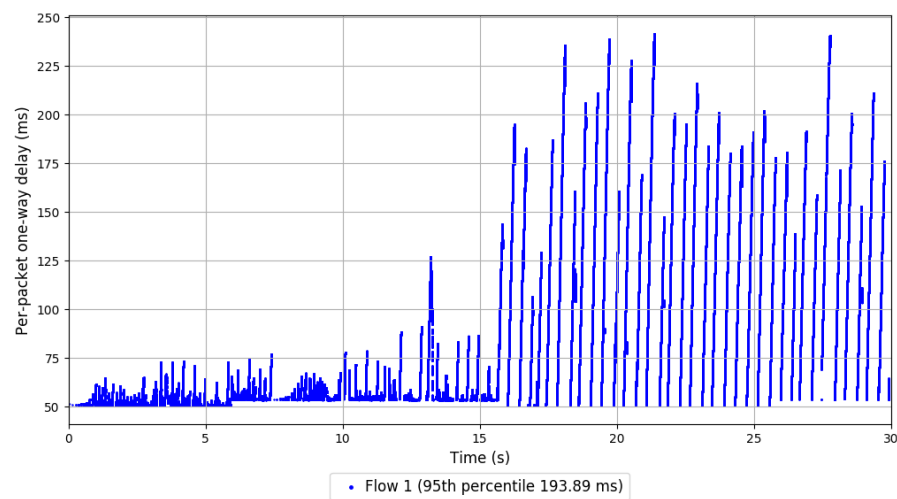
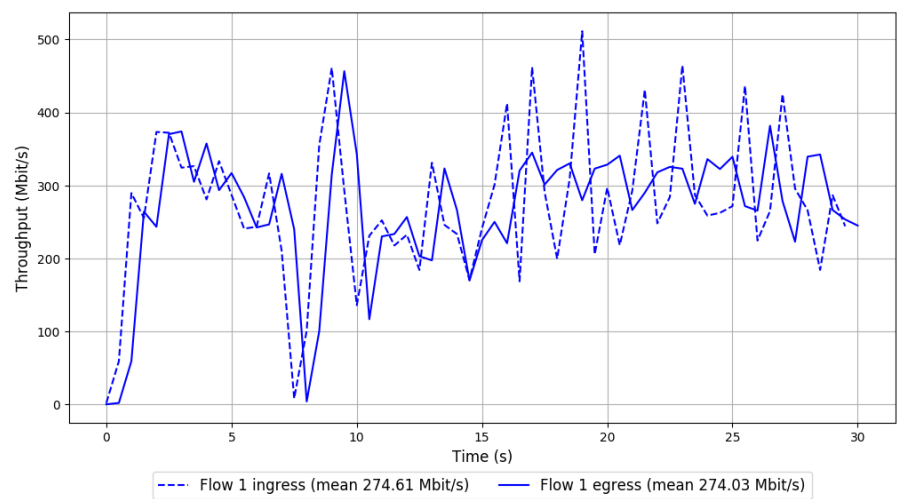


Run 4: Statistics of Verus

Start at: 2018-07-20 02:30:31
End at: 2018-07-20 02:31:01
Local clock offset: -0.255 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2018-07-20 06:54:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 274.03 Mbit/s
95th percentile per-packet one-way delay: 193.886 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 274.03 Mbit/s
95th percentile per-packet one-way delay: 193.886 ms
Loss rate: 0.21%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-07-20 02:52:55

End at: 2018-07-20 02:53:25

Local clock offset: 0.211 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-20 06:54:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 258.54 Mbit/s

95th percentile per-packet one-way delay: 100.448 ms

Loss rate: 0.01%

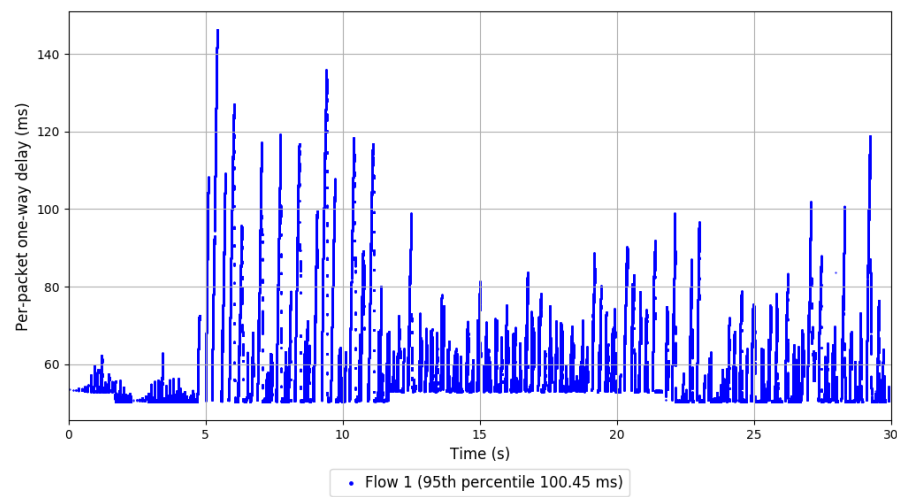
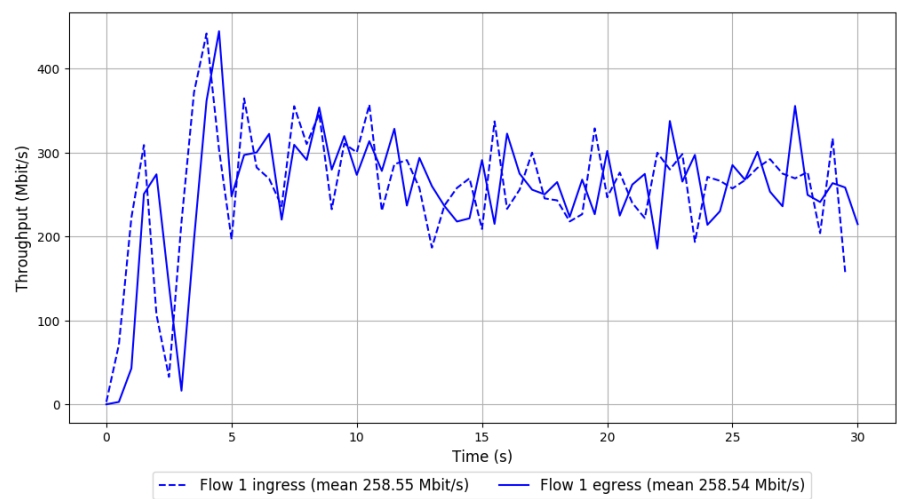
-- Flow 1:

Average throughput: 258.54 Mbit/s

95th percentile per-packet one-way delay: 100.448 ms

Loss rate: 0.01%

Run 5: Report of Verus — Data Link

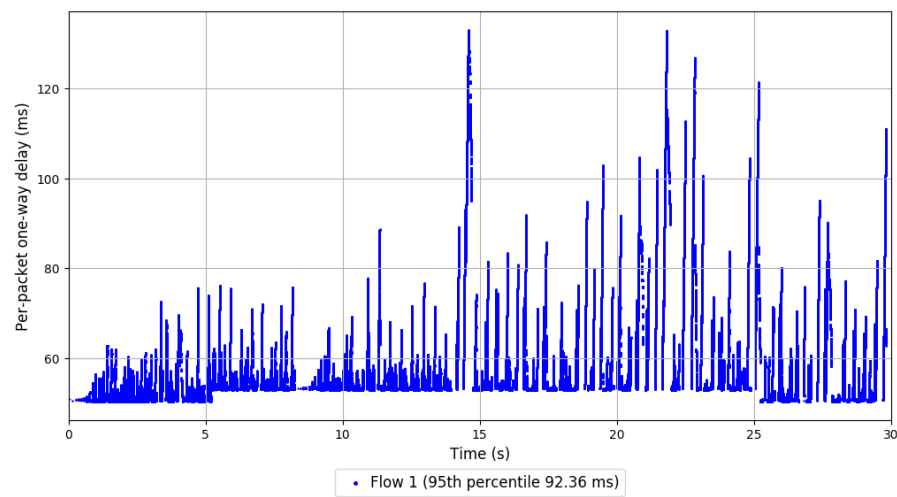
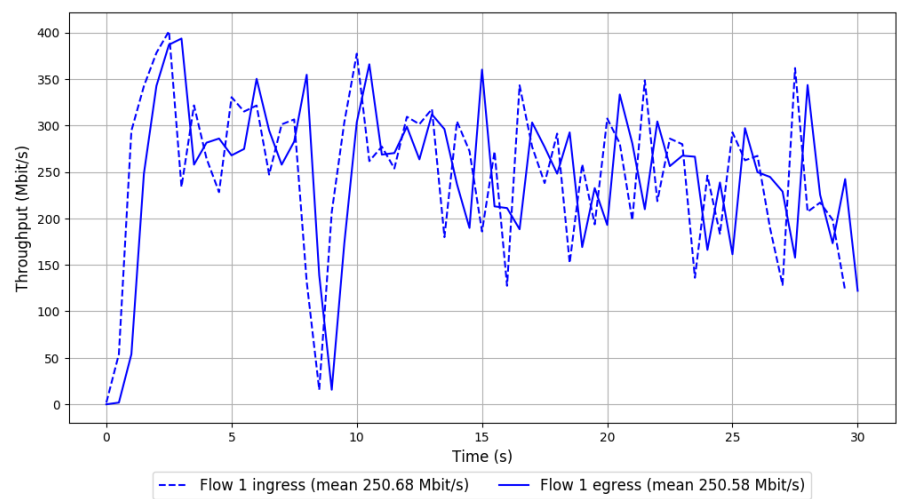


Run 6: Statistics of Verus

Start at: 2018-07-20 03:14:51
End at: 2018-07-20 03:15:21
Local clock offset: 0.066 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-07-20 06:54:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 250.58 Mbit/s
95th percentile per-packet one-way delay: 92.359 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 250.58 Mbit/s
95th percentile per-packet one-way delay: 92.359 ms
Loss rate: 0.00%

Run 6: Report of Verus — Data Link

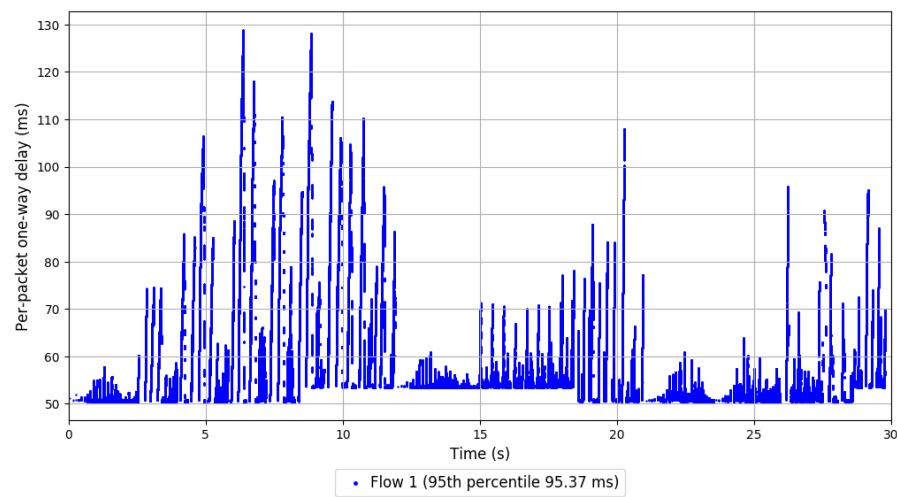
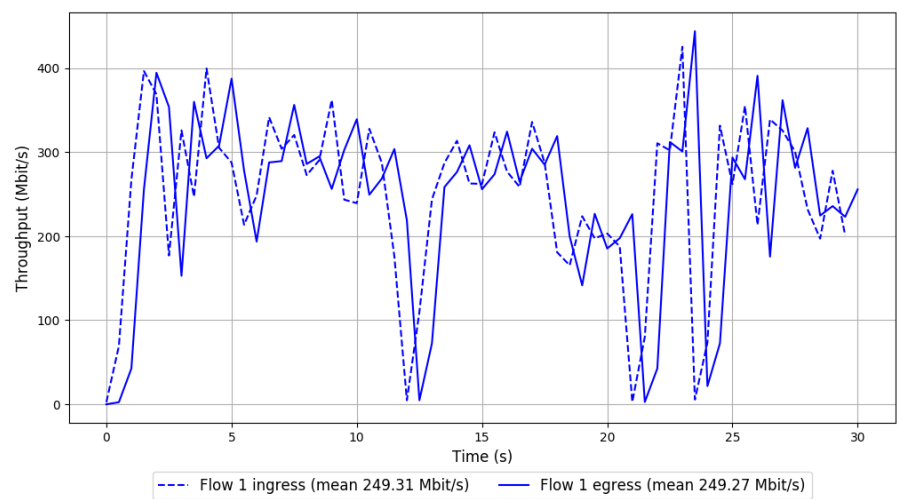


Run 7: Statistics of Verus

Start at: 2018-07-20 03:36:58
End at: 2018-07-20 03:37:28
Local clock offset: -0.156 ms
Remote clock offset: -0.161 ms

Below is generated by plot.py at 2018-07-20 06:55:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 249.27 Mbit/s
95th percentile per-packet one-way delay: 95.369 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 249.27 Mbit/s
95th percentile per-packet one-way delay: 95.369 ms
Loss rate: 0.00%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-07-20 03:59:09

End at: 2018-07-20 03:59:39

Local clock offset: -0.211 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-20 06:56:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 266.50 Mbit/s

95th percentile per-packet one-way delay: 91.788 ms

Loss rate: 0.02%

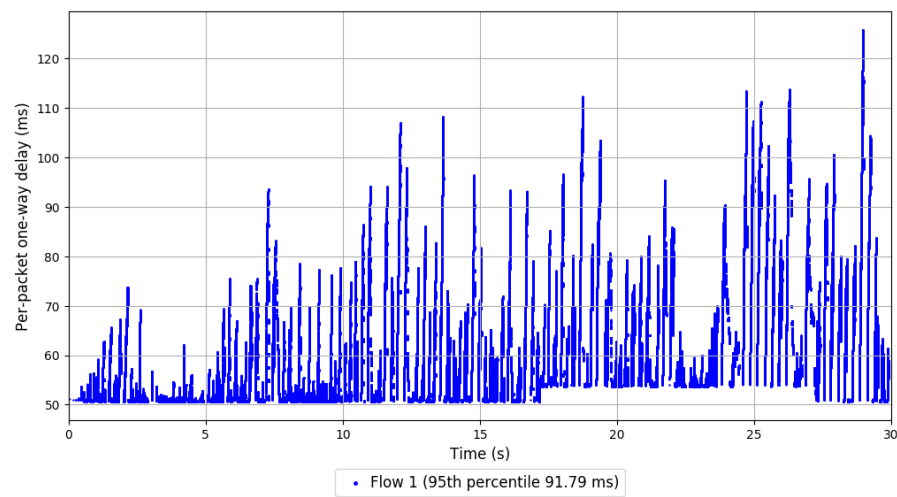
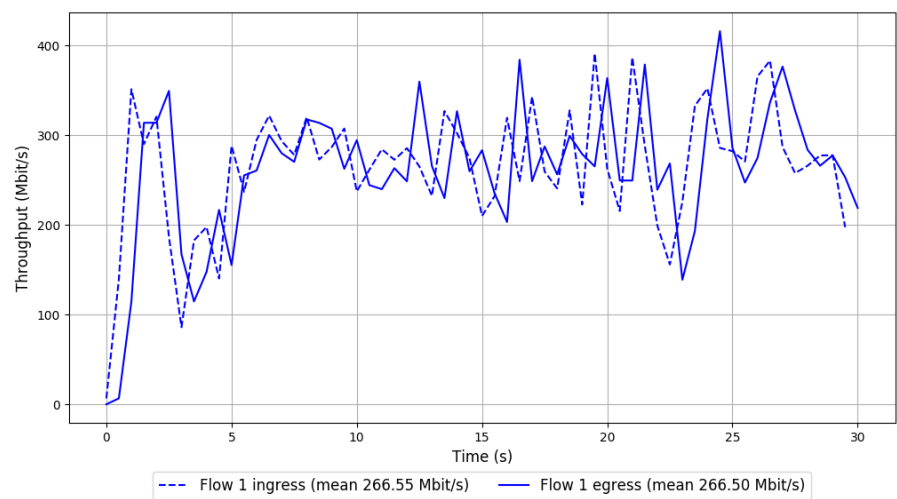
-- Flow 1:

Average throughput: 266.50 Mbit/s

95th percentile per-packet one-way delay: 91.788 ms

Loss rate: 0.02%

Run 8: Report of Verus — Data Link

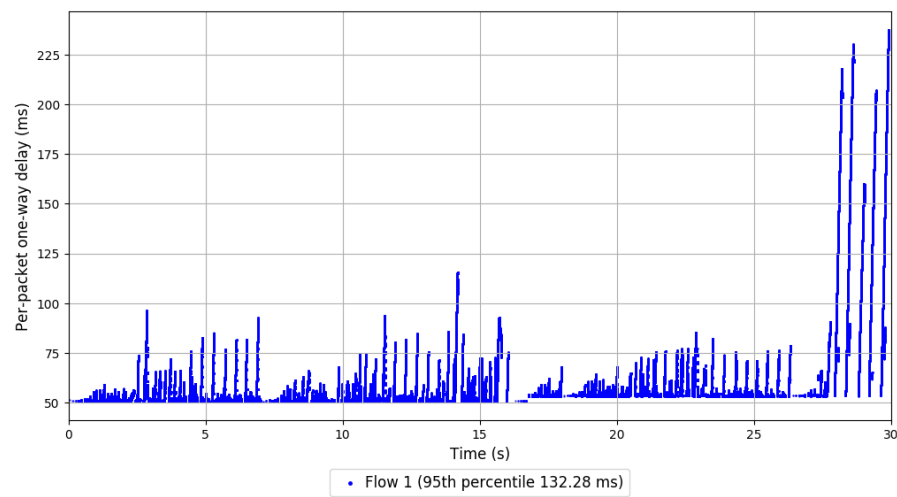
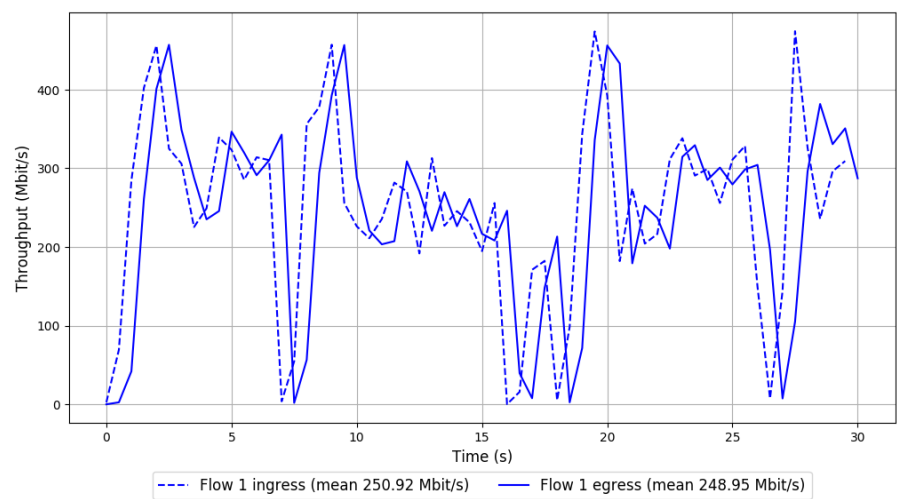


Run 9: Statistics of Verus

Start at: 2018-07-20 04:21:20
End at: 2018-07-20 04:21:50
Local clock offset: -0.108 ms
Remote clock offset: -0.185 ms

Below is generated by plot.py at 2018-07-20 06:57:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 248.95 Mbit/s
95th percentile per-packet one-way delay: 132.280 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 248.95 Mbit/s
95th percentile per-packet one-way delay: 132.280 ms
Loss rate: 0.23%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-20 04:43:08

End at: 2018-07-20 04:43:38

Local clock offset: 0.085 ms

Remote clock offset: 0.207 ms

Below is generated by plot.py at 2018-07-20 06:58:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 261.42 Mbit/s

95th percentile per-packet one-way delay: 171.441 ms

Loss rate: 0.77%

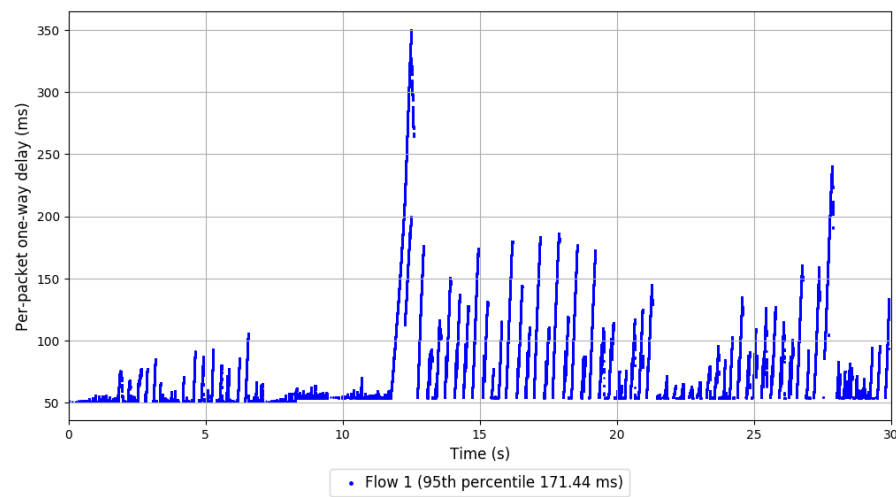
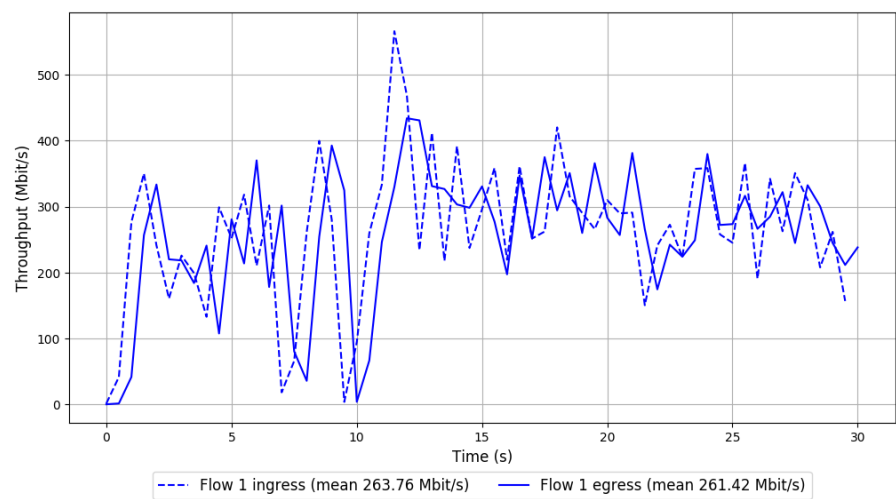
-- Flow 1:

Average throughput: 261.42 Mbit/s

95th percentile per-packet one-way delay: 171.441 ms

Loss rate: 0.77%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-20 01:22:32

End at: 2018-07-20 01:23:02

Local clock offset: 0.244 ms

Remote clock offset: -0.348 ms

Below is generated by plot.py at 2018-07-20 07:00:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 346.45 Mbit/s

95th percentile per-packet one-way delay: 53.041 ms

Loss rate: 0.00%

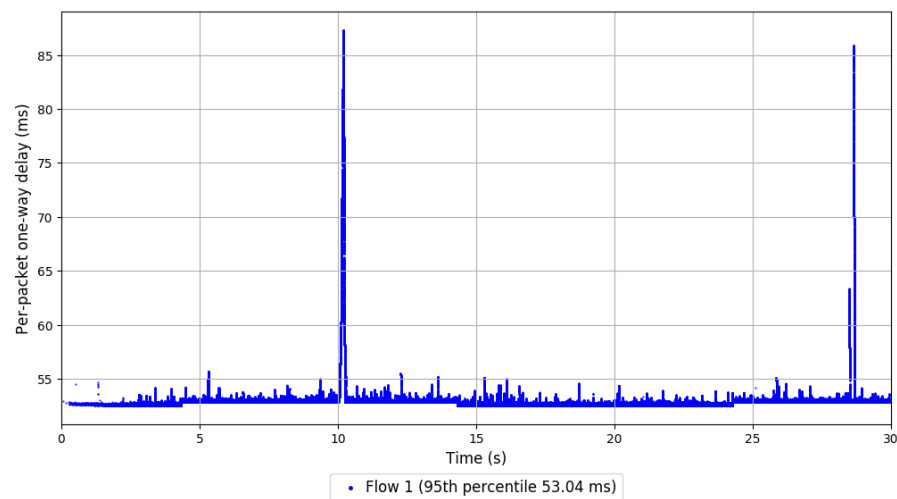
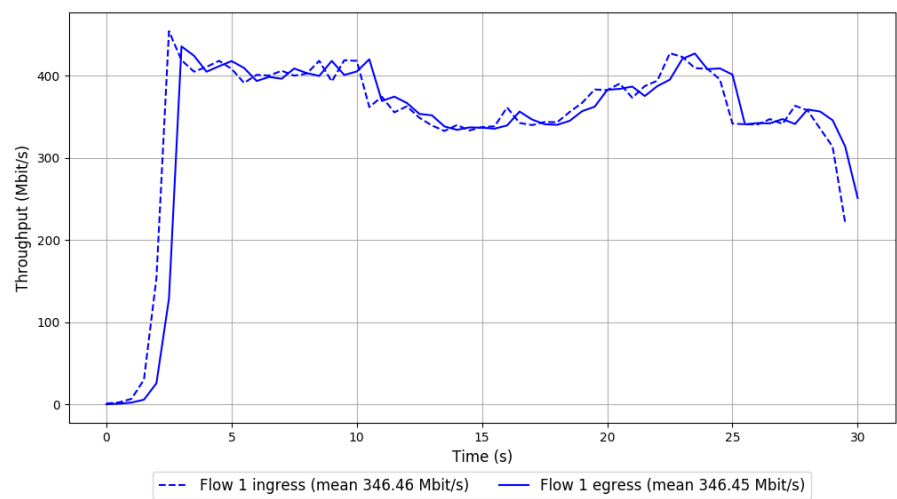
-- Flow 1:

Average throughput: 346.45 Mbit/s

95th percentile per-packet one-way delay: 53.041 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

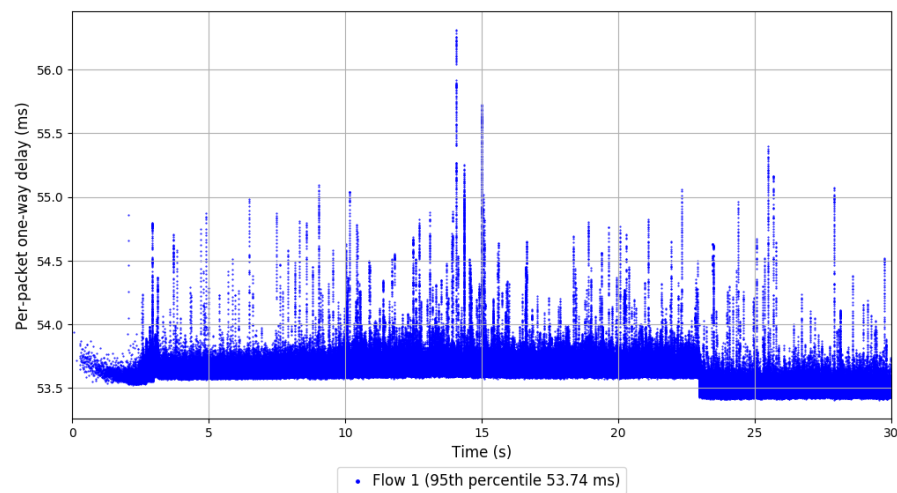
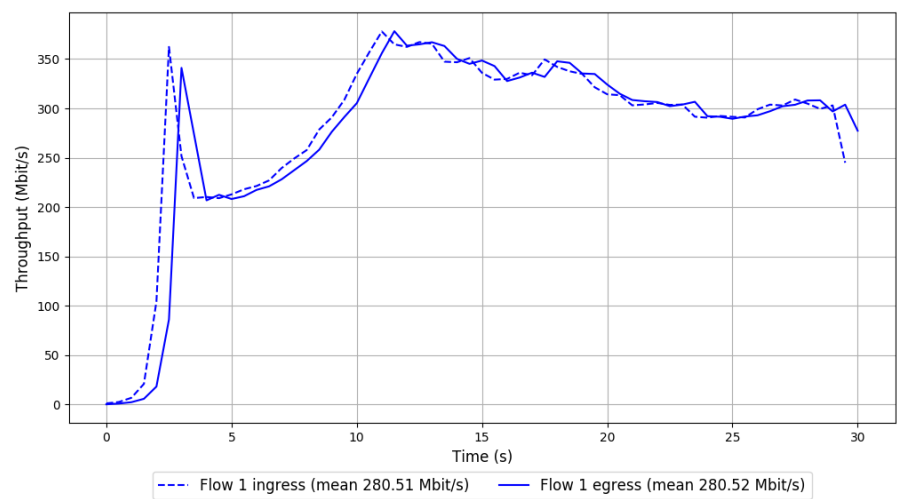


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-20 01:44:14
End at: 2018-07-20 01:44:44
Local clock offset: -0.102 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-07-20 07:00:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 280.52 Mbit/s
95th percentile per-packet one-way delay: 53.744 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 280.52 Mbit/s
95th percentile per-packet one-way delay: 53.744 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

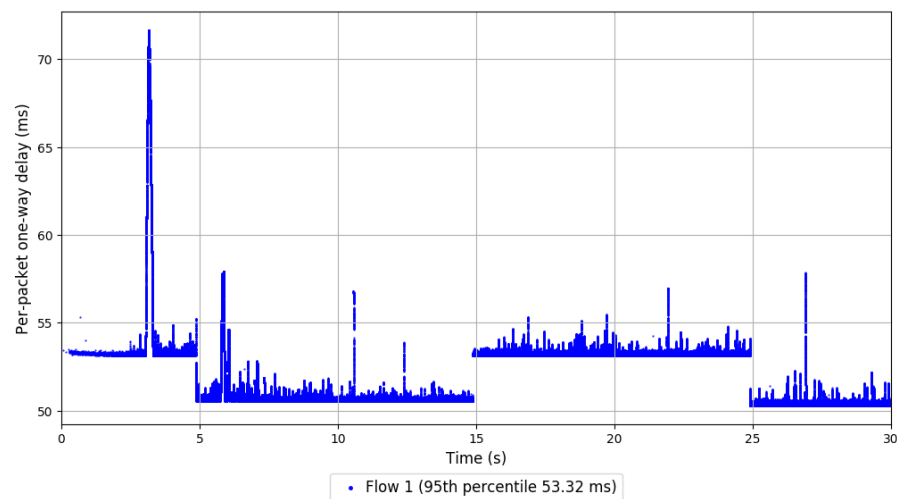
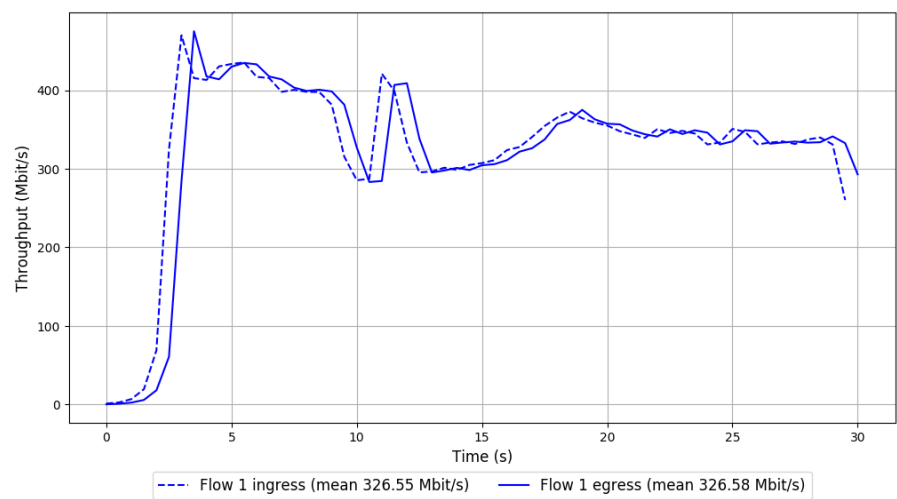


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-20 02:06:32
End at: 2018-07-20 02:07:02
Local clock offset: -0.125 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-07-20 07:00:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 326.58 Mbit/s
95th percentile per-packet one-way delay: 53.324 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 326.58 Mbit/s
95th percentile per-packet one-way delay: 53.324 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-20 02:28:59

End at: 2018-07-20 02:29:29

Local clock offset: -0.019 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-07-20 07:01:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 378.99 Mbit/s

95th percentile per-packet one-way delay: 53.657 ms

Loss rate: 0.01%

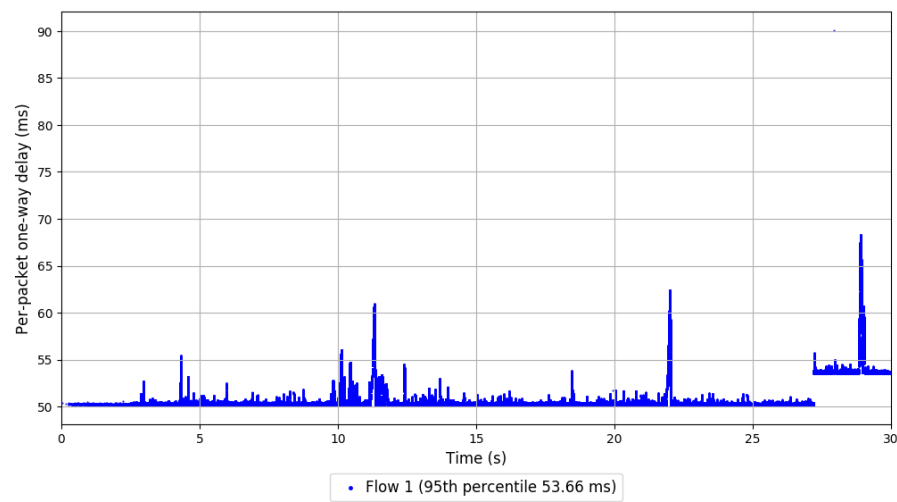
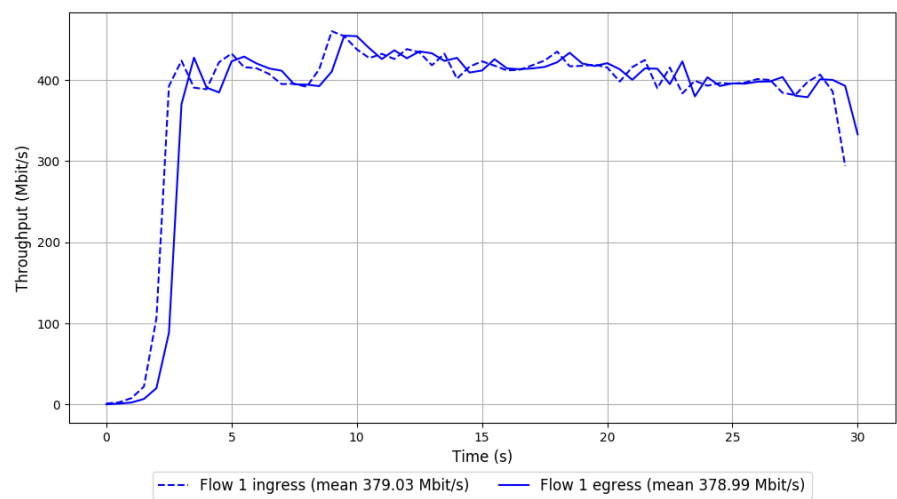
-- Flow 1:

Average throughput: 378.99 Mbit/s

95th percentile per-packet one-way delay: 53.657 ms

Loss rate: 0.01%

Run 4: Report of PCC-Vivace — Data Link

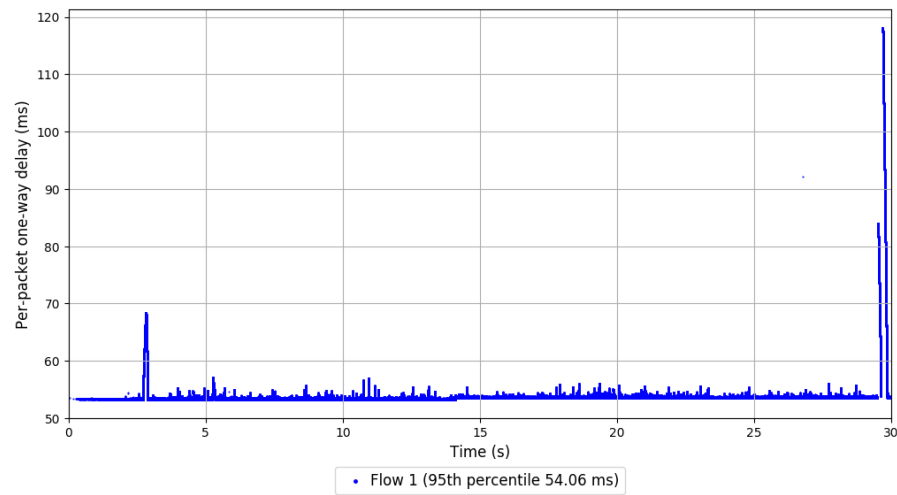
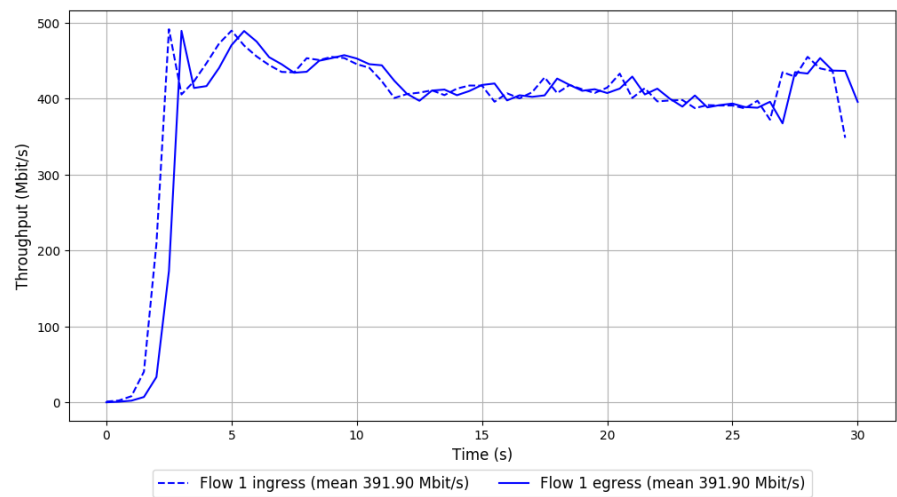


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-20 02:51:22
End at: 2018-07-20 02:51:52
Local clock offset: -0.119 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-07-20 07:02:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 391.90 Mbit/s
95th percentile per-packet one-way delay: 54.065 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 391.90 Mbit/s
95th percentile per-packet one-way delay: 54.065 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

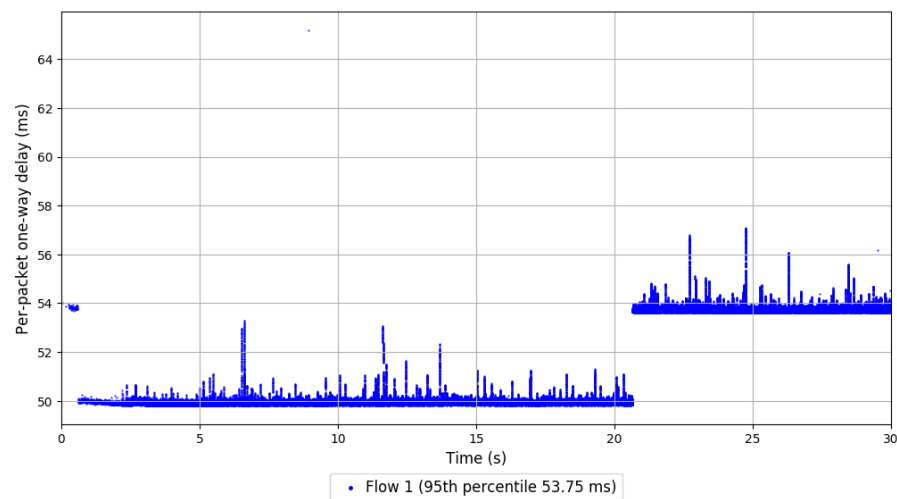
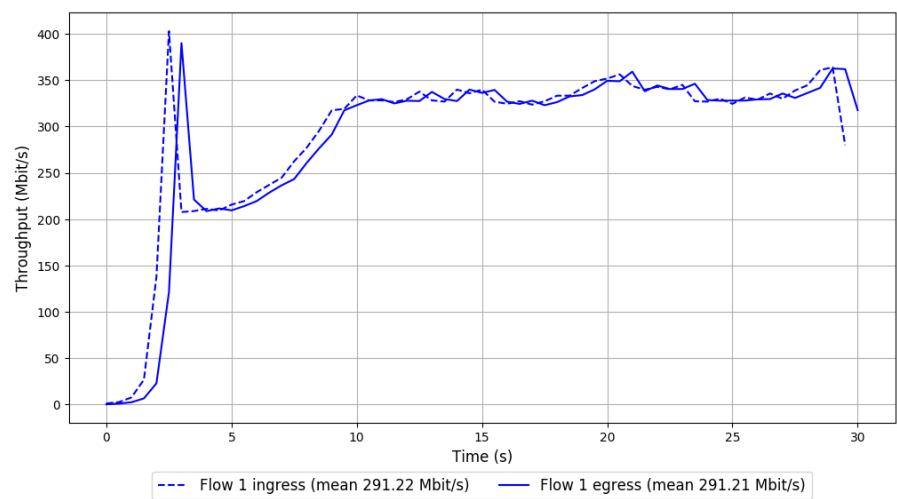


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-20 03:13:26
End at: 2018-07-20 03:13:56
Local clock offset: -0.094 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-07-20 07:02:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 291.21 Mbit/s
95th percentile per-packet one-way delay: 53.748 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 291.21 Mbit/s
95th percentile per-packet one-way delay: 53.748 ms
Loss rate: 0.01%

Run 6: Report of PCC-Vivace — Data Link

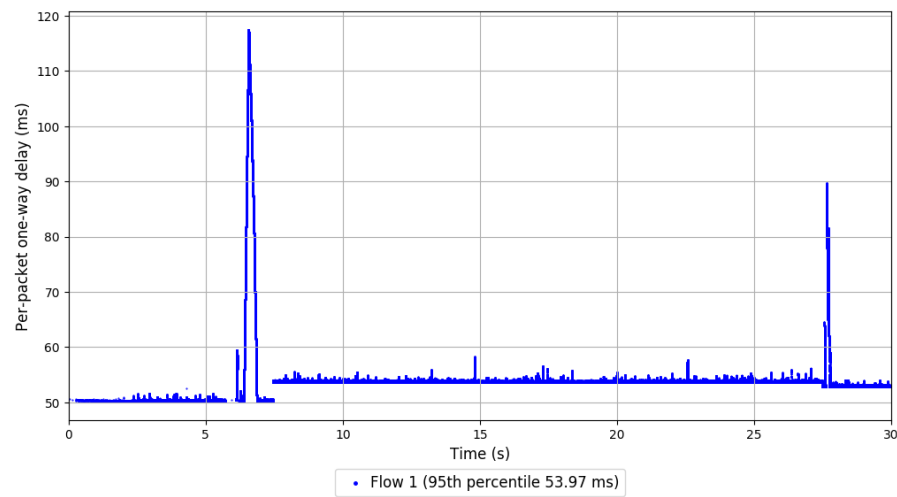
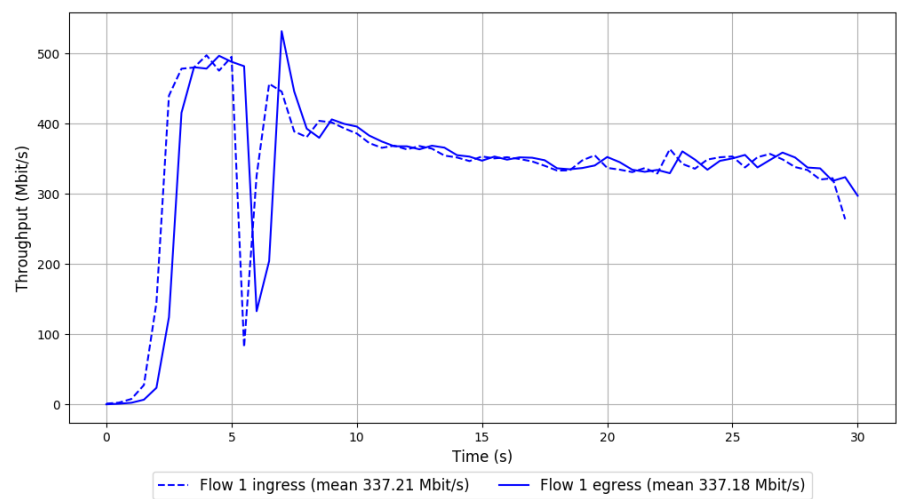


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-20 03:35:29
End at: 2018-07-20 03:35:59
Local clock offset: -0.094 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-07-20 07:02:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 337.18 Mbit/s
95th percentile per-packet one-way delay: 53.967 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 337.18 Mbit/s
95th percentile per-packet one-way delay: 53.967 ms
Loss rate: 0.01%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-20 03:57:45

End at: 2018-07-20 03:58:15

Local clock offset: -0.096 ms

Remote clock offset: -1.08 ms

Below is generated by plot.py at 2018-07-20 07:02:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 278.40 Mbit/s

95th percentile per-packet one-way delay: 52.551 ms

Loss rate: 0.01%

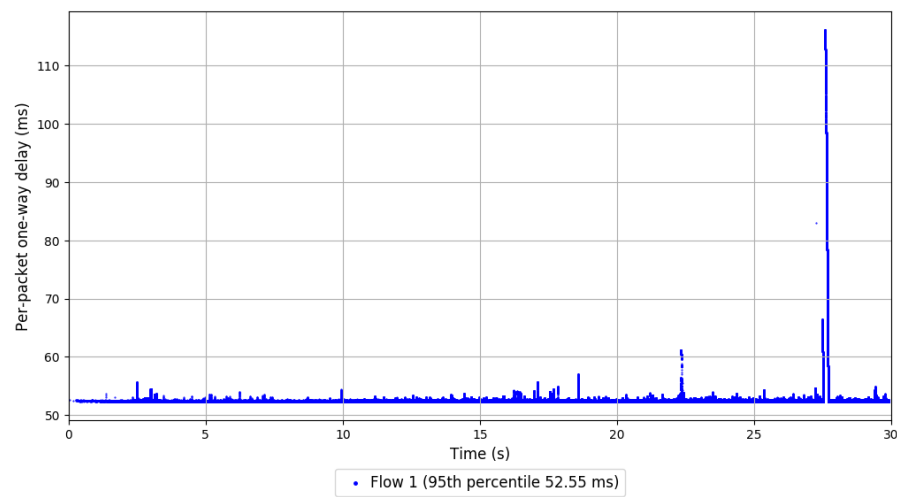
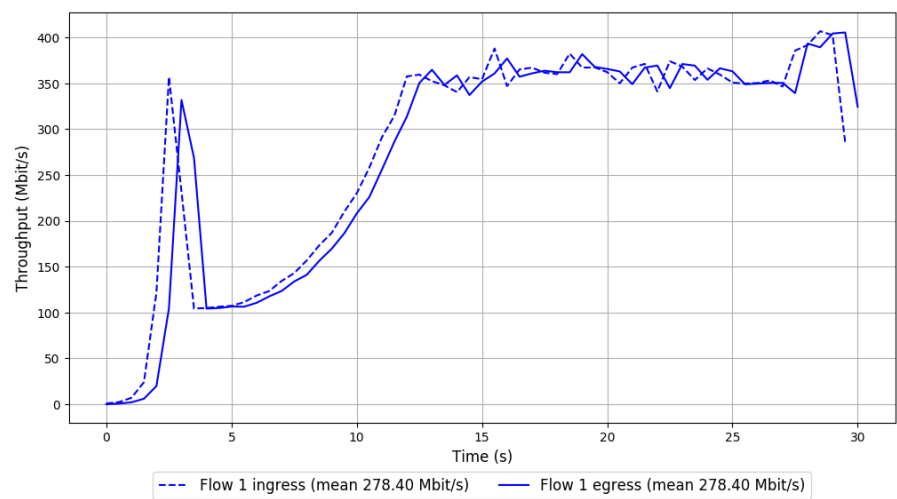
-- Flow 1:

Average throughput: 278.40 Mbit/s

95th percentile per-packet one-way delay: 52.551 ms

Loss rate: 0.01%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-20 04:19:50

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

Local clock offset: -0.015 ms

Remote clock offset: 0.19 ms

Below is generated by plot.py at 2018-07-20 07:03:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 352.64 Mbit/s

95th percentile per-packet one-way delay: 51.040 ms

Loss rate: 0.00%

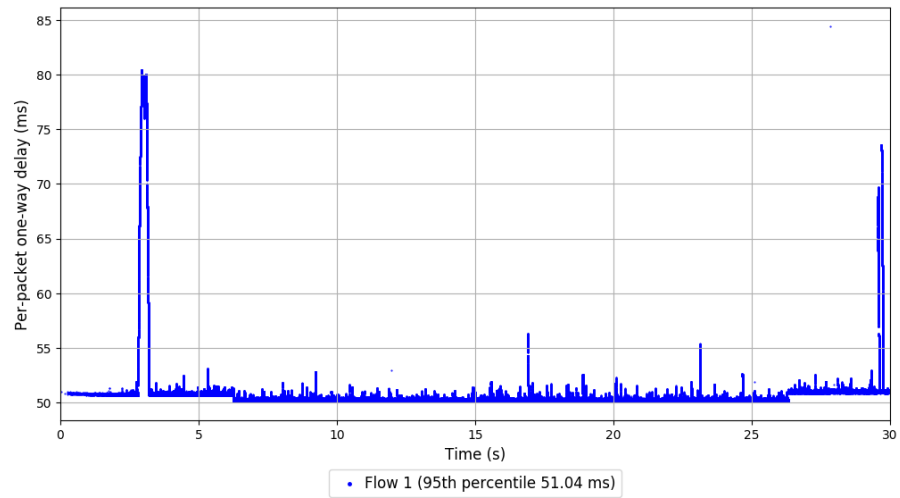
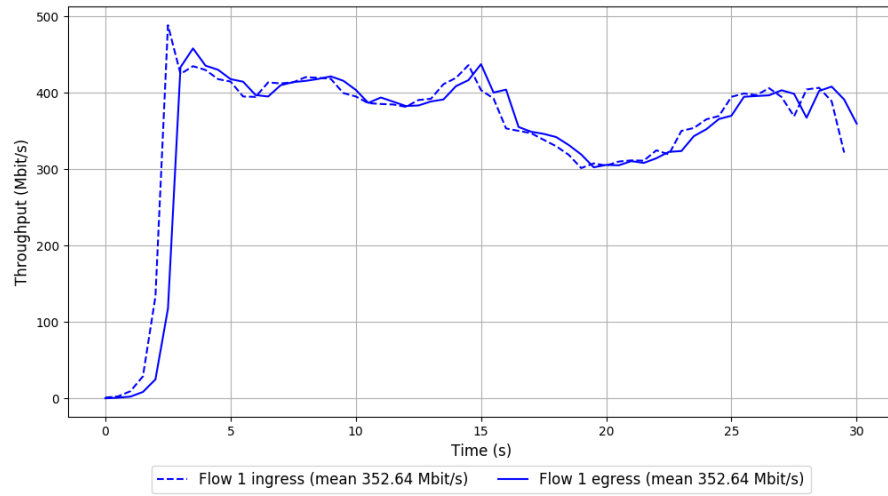
-- Flow 1:

Average throughput: 352.64 Mbit/s

95th percentile per-packet one-way delay: 51.040 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link

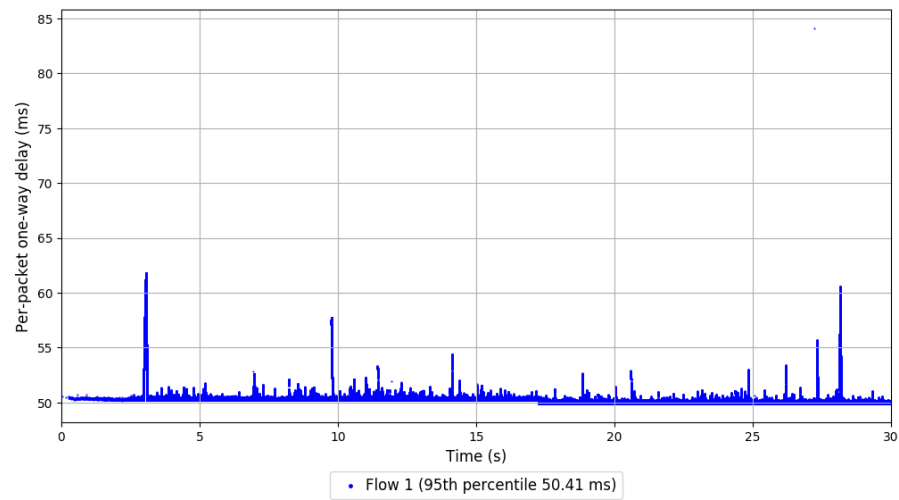
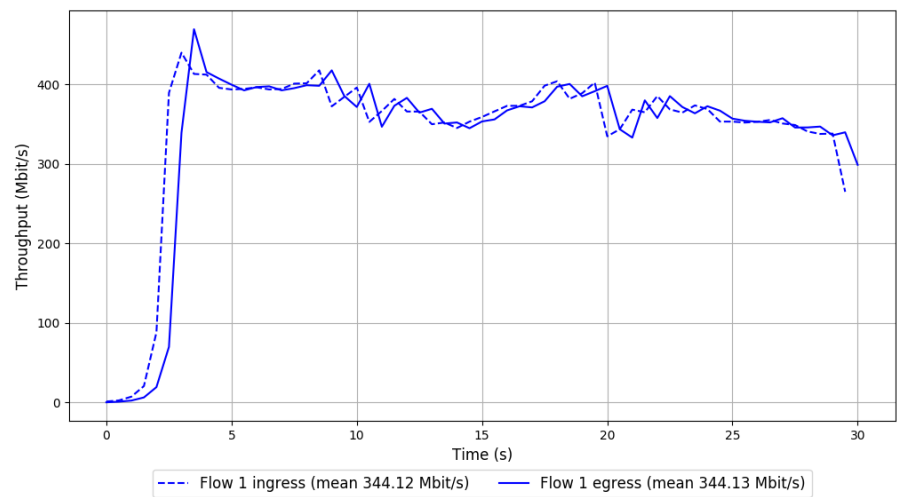


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-20 04:41:39
End at: 2018-07-20 04:42:09
Local clock offset: -0.137 ms
Remote clock offset: -0.152 ms

Below is generated by plot.py at 2018-07-20 07:03:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 344.13 Mbit/s
95th percentile per-packet one-way delay: 50.412 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 344.13 Mbit/s
95th percentile per-packet one-way delay: 50.412 ms
Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

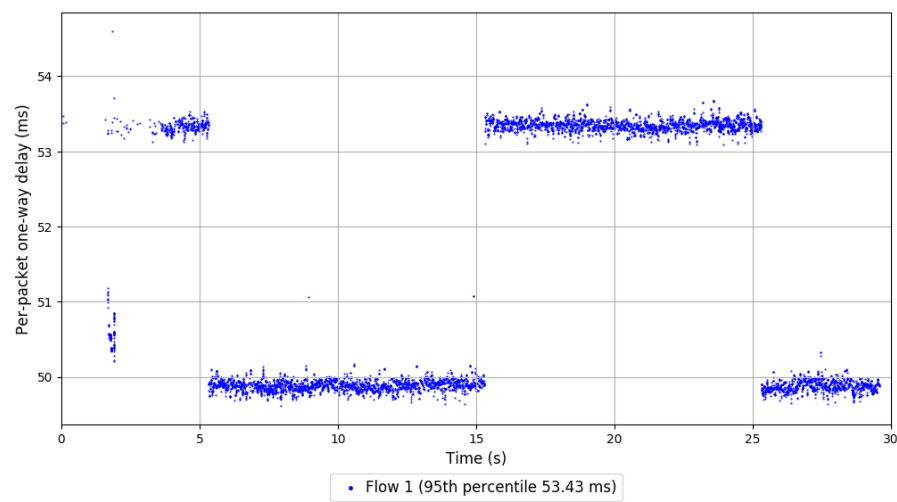
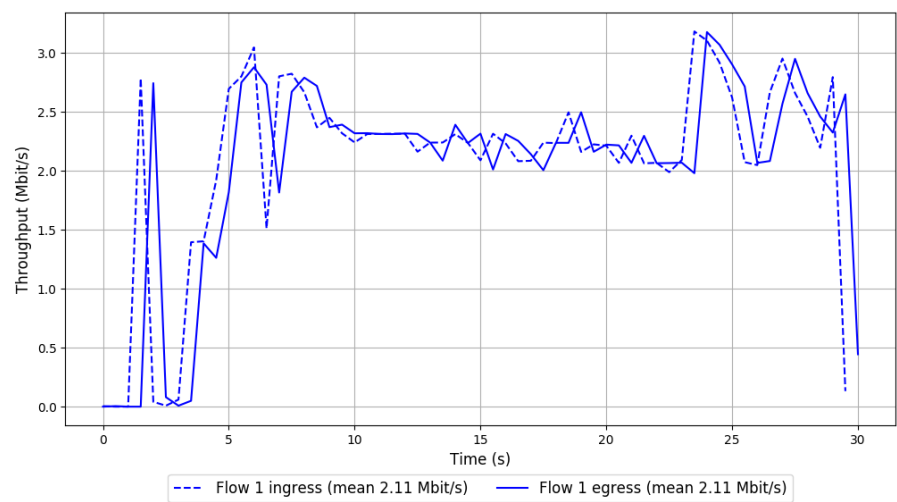


```
Run 1: Statistics of WebRTC media

Start at: 2018-07-20 01:20:21
End at: 2018-07-20 01:20:51
Local clock offset: 0.21 ms
Remote clock offset: -0.051 ms

# Below is generated by plot.py at 2018-07-20 07:03:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 53.432 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 53.432 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

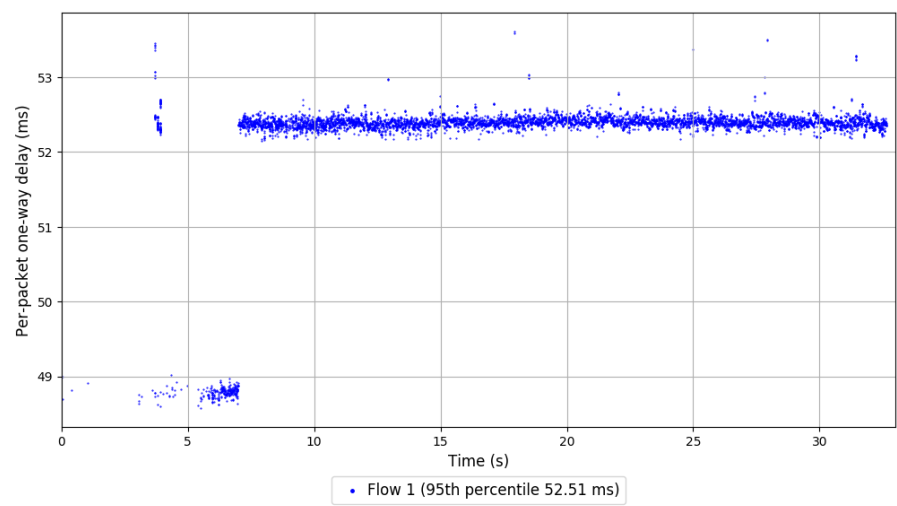
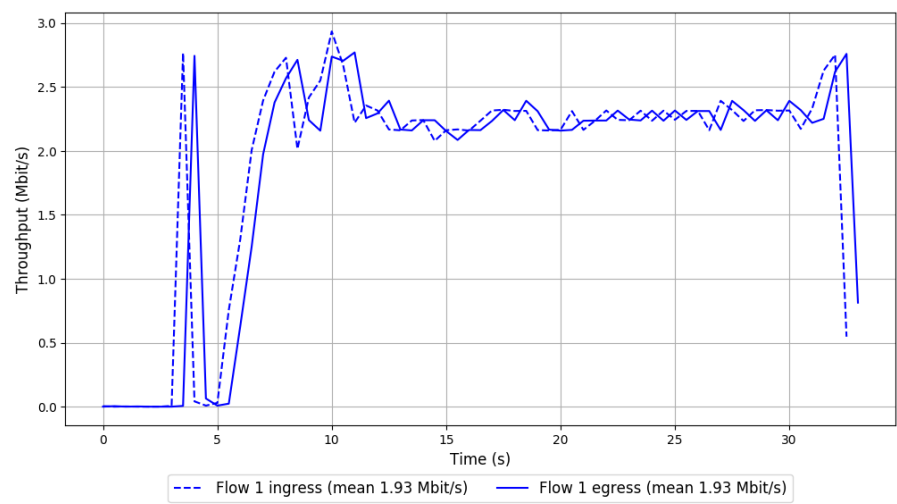


Run 2: Statistics of WebRTC media

Start at: 2018-07-20 01:42:02
End at: 2018-07-20 01:42:32
Local clock offset: -0.157 ms
Remote clock offset: -1.402 ms

Below is generated by plot.py at 2018-07-20 07:03:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 52.507 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 52.507 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

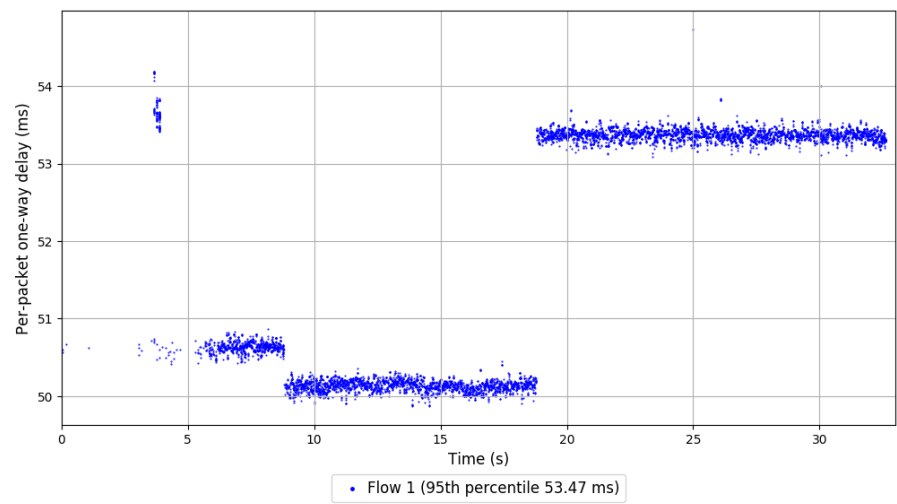
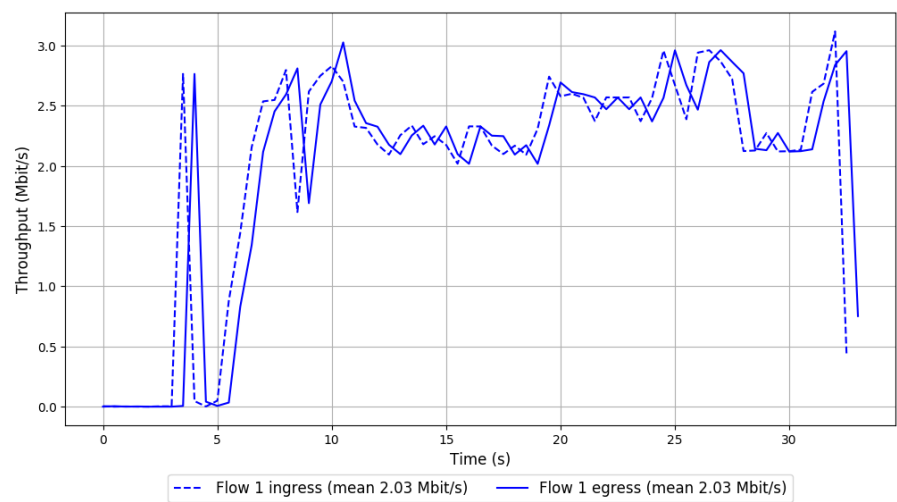


Run 3: Statistics of WebRTC media

Start at: 2018-07-20 02:04:20
End at: 2018-07-20 02:04:50
Local clock offset: -0.226 ms
Remote clock offset: -0.239 ms

Below is generated by plot.py at 2018-07-20 07:03:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 53.470 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 53.470 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

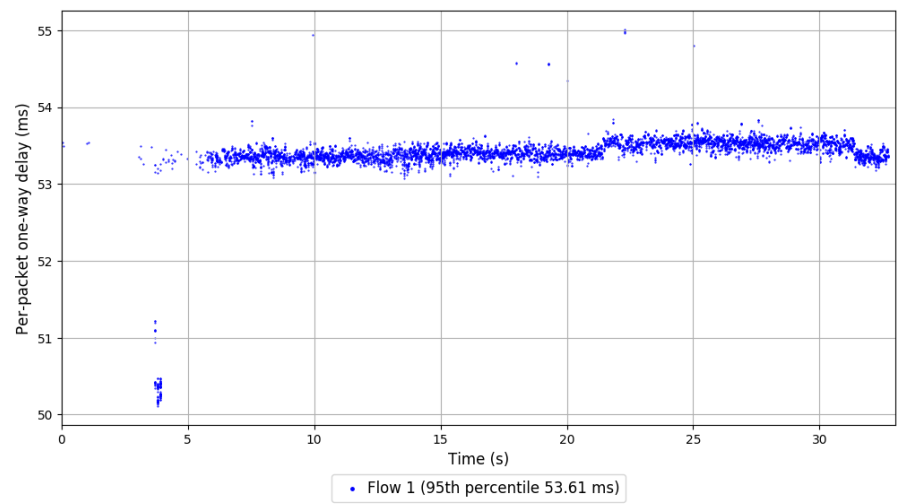
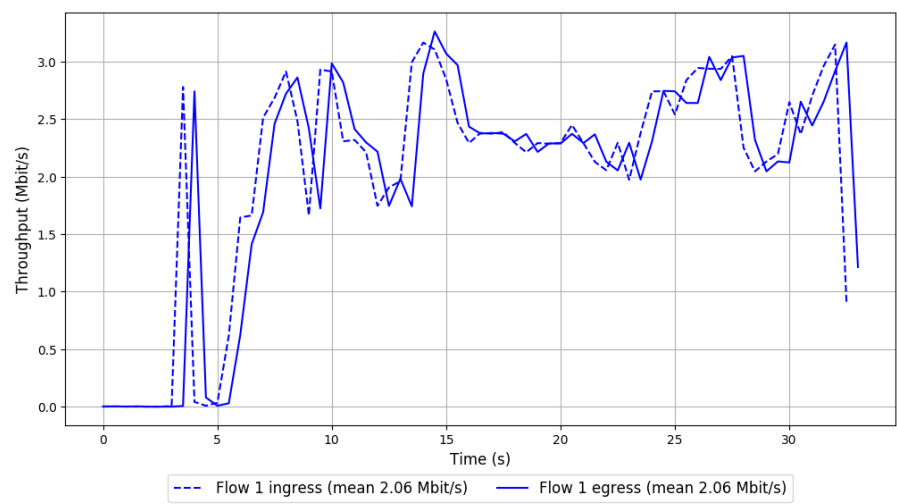


Run 4: Statistics of WebRTC media

Start at: 2018-07-20 02:26:48
End at: 2018-07-20 02:27:18
Local clock offset: 0.131 ms
Remote clock offset: -0.245 ms

Below is generated by plot.py at 2018-07-20 07:03:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 53.608 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 53.608 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-20 02:49:11

End at: 2018-07-20 02:49:41

Local clock offset: 0.176 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-07-20 07:03:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

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

Loss rate: 0.00%

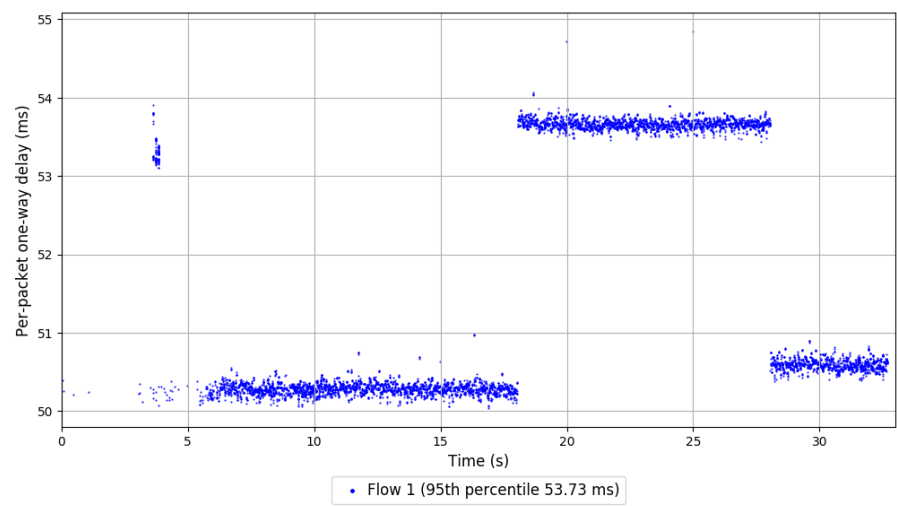
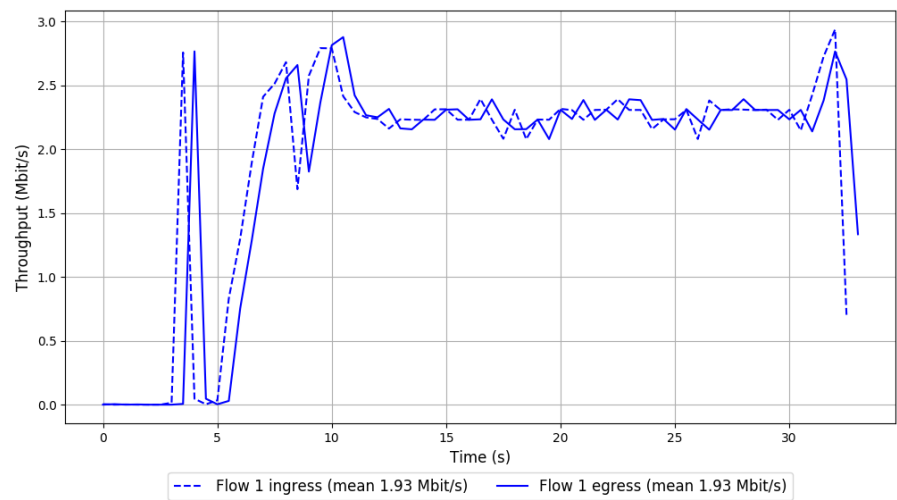
-- Flow 1:

Average throughput: 1.93 Mbit/s

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

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

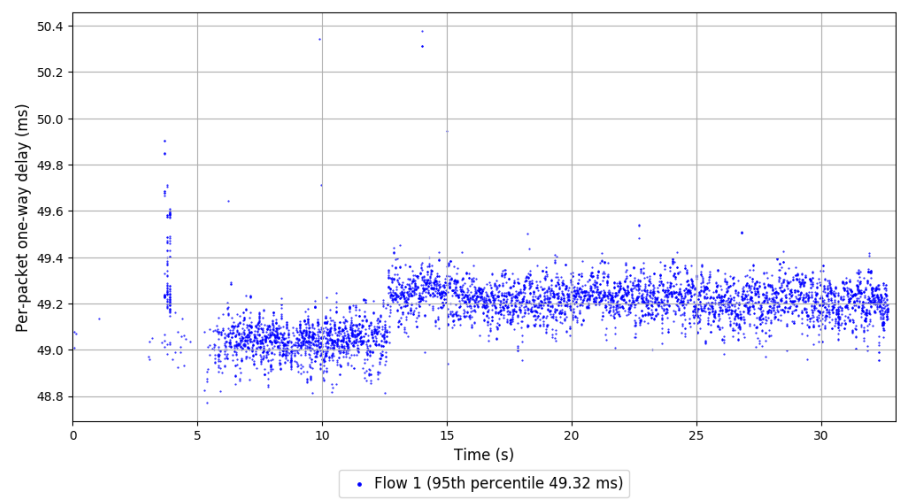
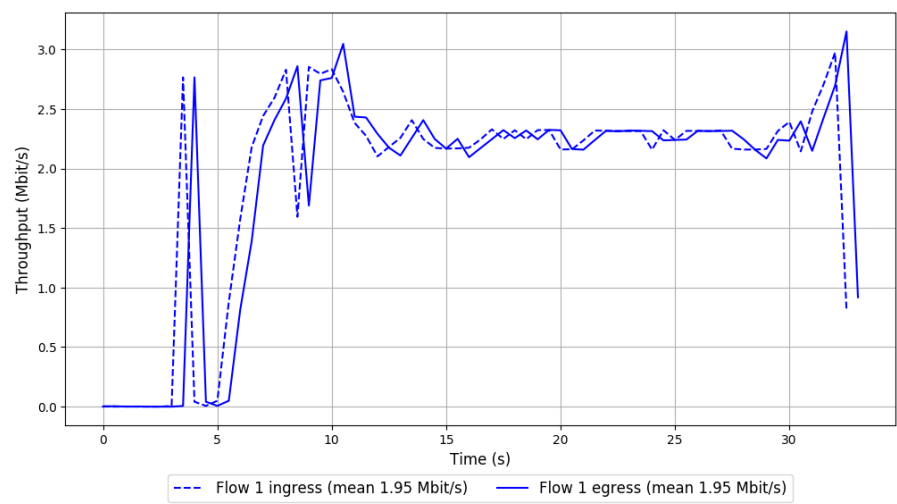


Run 6: Statistics of WebRTC media

Start at: 2018-07-20 03:11:15
End at: 2018-07-20 03:11:45
Local clock offset: 0.115 ms
Remote clock offset: -1.346 ms

Below is generated by plot.py at 2018-07-20 07:03:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 49.324 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 49.324 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-20 03:33:18

End at: 2018-07-20 03:33:48

Local clock offset: -0.07 ms

Remote clock offset: 1.259 ms

Below is generated by plot.py at 2018-07-20 07:03:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 55.170 ms

Loss rate: 0.00%

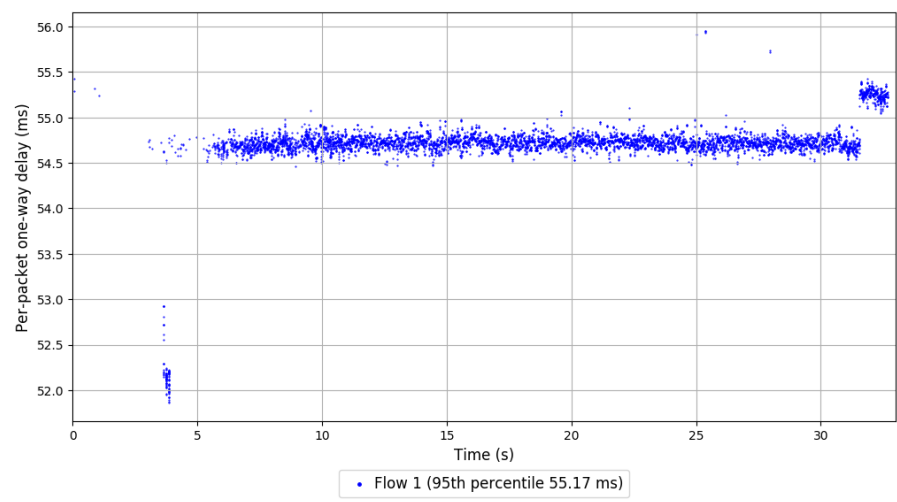
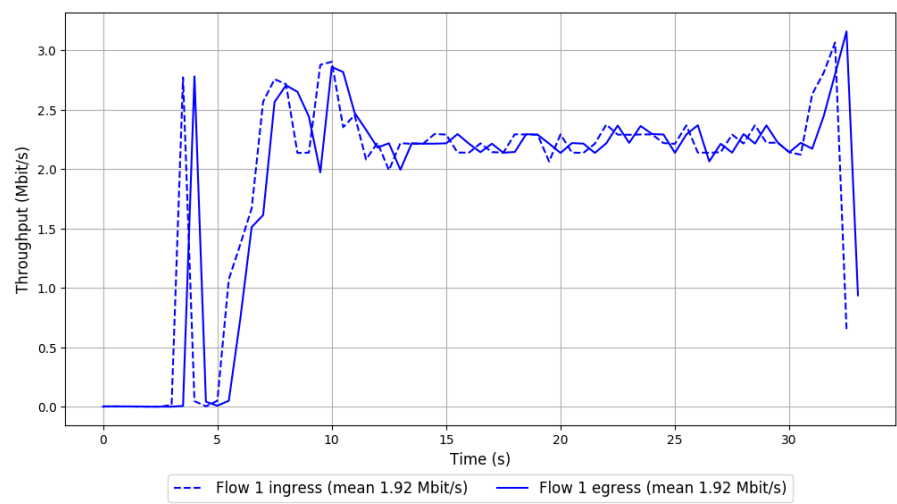
-- Flow 1:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 55.170 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

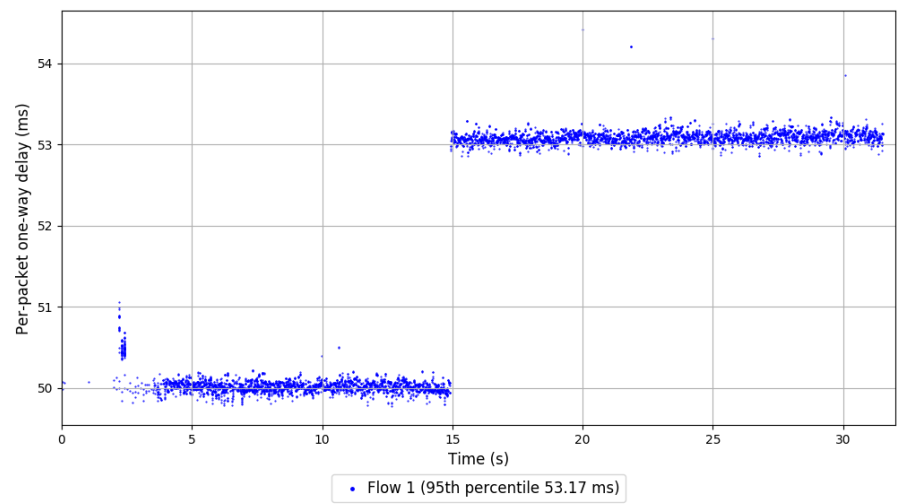
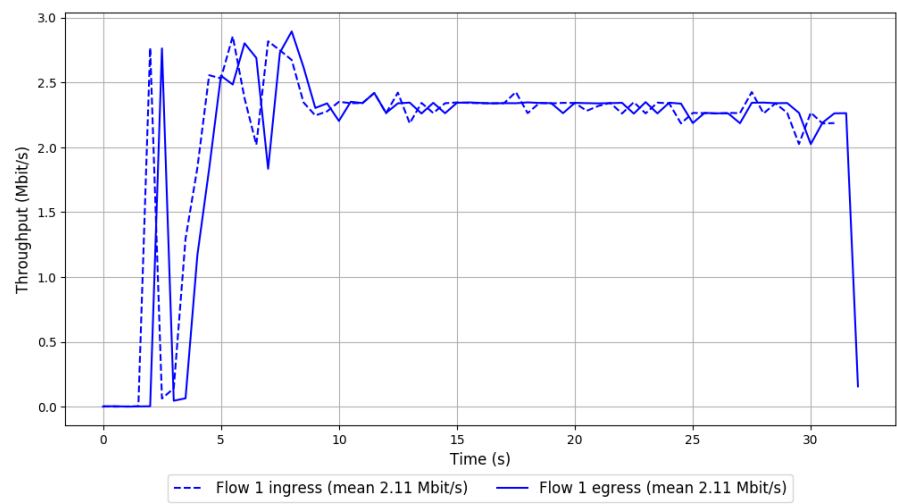


Run 8: Statistics of WebRTC media

Start at: 2018-07-20 03:55:33
End at: 2018-07-20 03:56:03
Local clock offset: -0.0 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-07-20 07:03:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 53.171 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 53.171 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

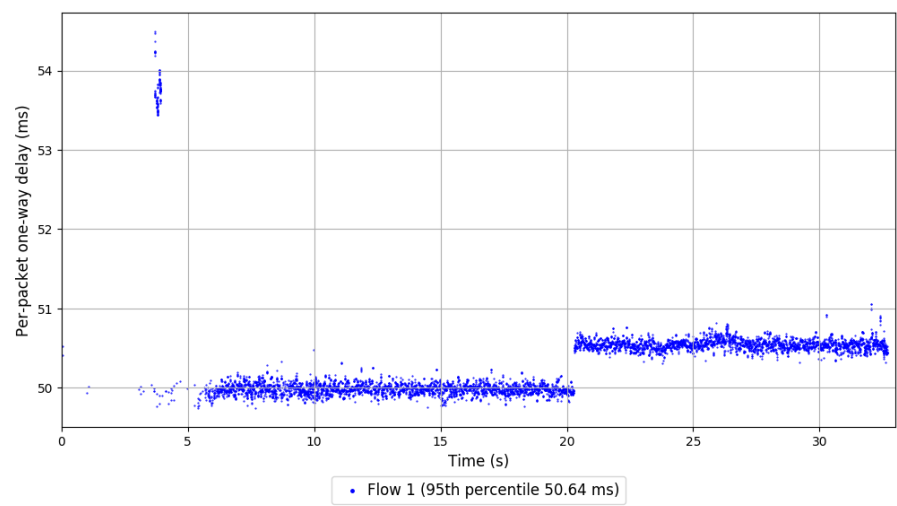
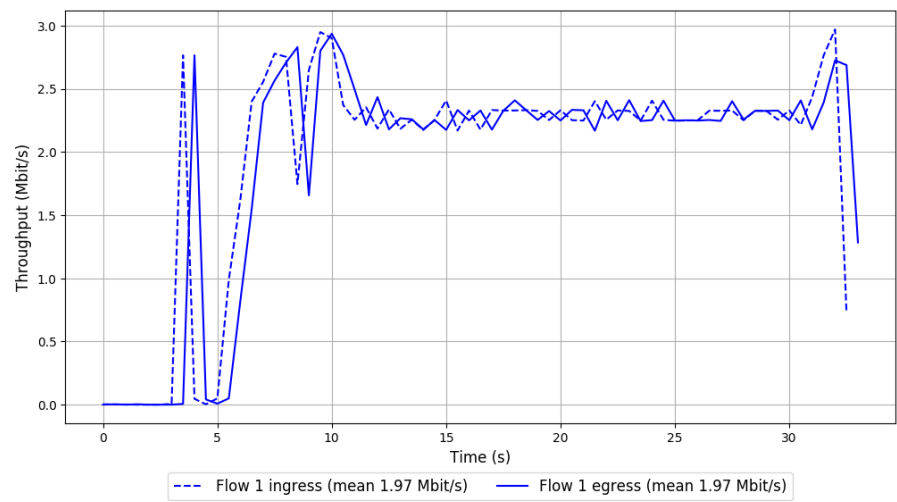


Run 9: Statistics of WebRTC media

Start at: 2018-07-20 04:17:39
End at: 2018-07-20 04:18:09
Local clock offset: -0.043 ms
Remote clock offset: -0.241 ms

Below is generated by plot.py at 2018-07-20 07:03:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 50.641 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 50.641 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-20 04:39:28
End at: 2018-07-20 04:39:58
Local clock offset: -0.195 ms
Remote clock offset: -0.188 ms

Below is generated by plot.py at 2018-07-20 07:03:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 53.885 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 53.885 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

