

Pantheon Report

Generated at 2018-08-09 19:21:36 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

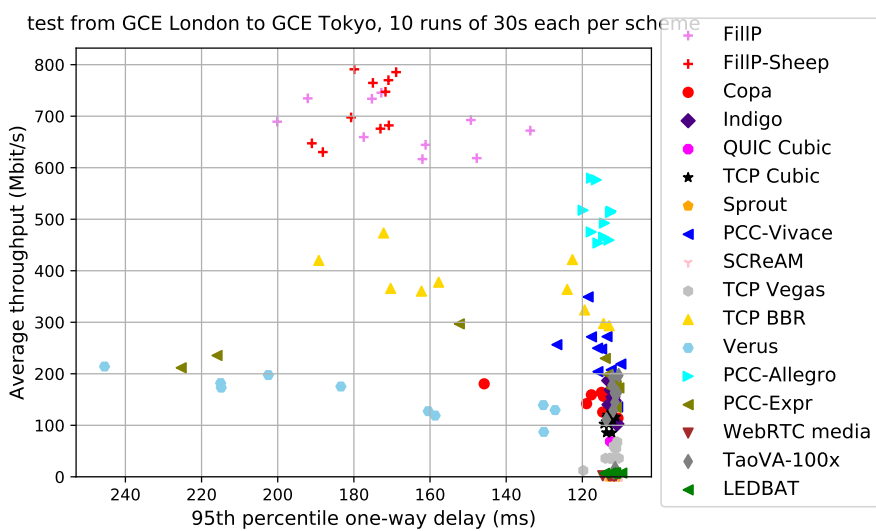
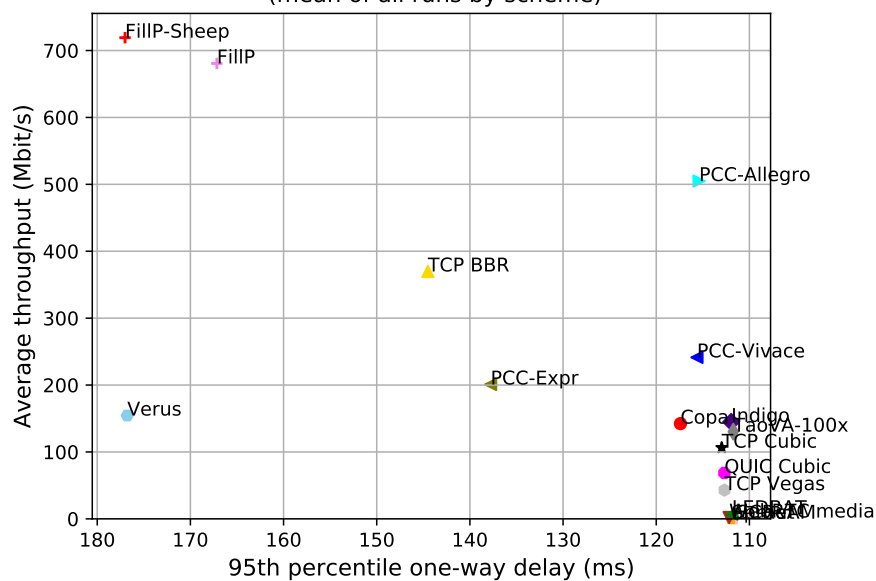
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

Git summary:

```
branch: master @ 7772df3413f4b07ba0096dfdd8e9d4c6dca623e3
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 London to GCE Tokyo, 10 runs of 30s each per scheme
(mean of all runs by scheme)



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	369.78	144.51	0.97
Copa	10	142.35	117.40	0.93
TCP Cubic	10	106.35	112.97	1.07
FillP	10	680.71	167.16	2.51
FillP-Sheep	10	719.19	177.02	2.53
Indigo	10	144.95	111.96	0.79
LEDBAT	10	7.12	111.88	1.50
PCC-Allegro	10	504.86	115.40	1.11
PCC-Expr	10	200.83	137.78	1.31
QUIC Cubic	1	68.66	112.69	0.81
SCReAM	10	0.20	111.39	0.71
Sprout	10	0.20	111.92	0.80
TaoVA-100x	10	130.34	111.73	0.75
TCP Vegas	10	42.94	112.67	0.74
Verus	10	154.42	176.78	2.13
PCC-Vivace	10	241.36	115.63	0.95
WebRTC media	10	2.00	112.18	0.91

Run 1: Statistics of TCP BBR

Start at: 2018-08-09 14:17:34

End at: 2018-08-09 14:18:04

Local clock offset: 1.057 ms

Remote clock offset: -0.196 ms

Below is generated by plot.py at 2018-08-09 18:00:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 297.59 Mbit/s

95th percentile per-packet one-way delay: 114.425 ms

Loss rate: 0.96%

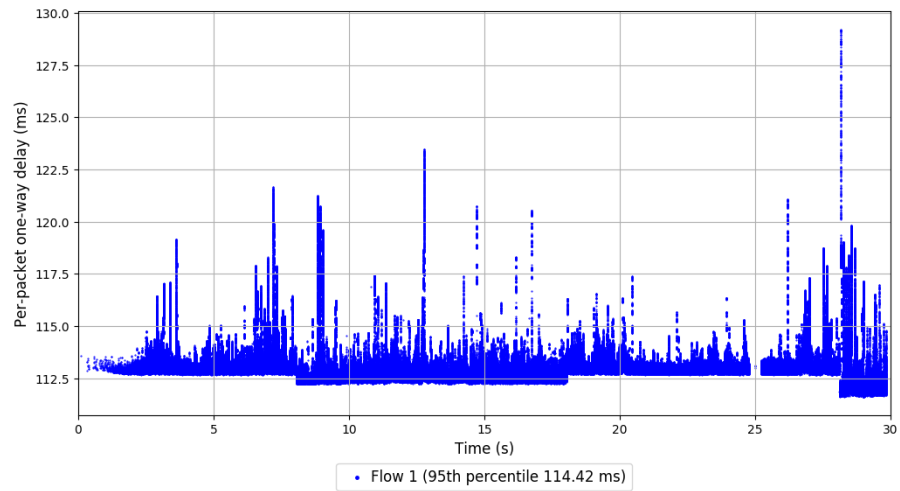
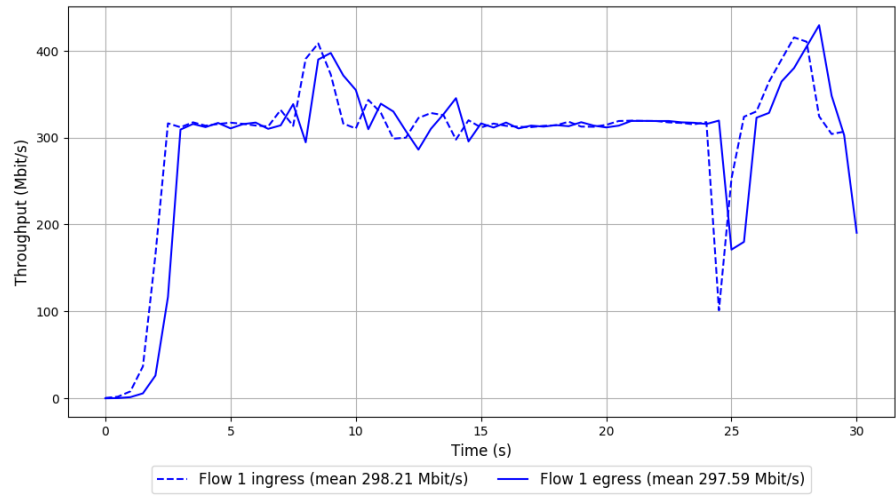
-- Flow 1:

Average throughput: 297.59 Mbit/s

95th percentile per-packet one-way delay: 114.425 ms

Loss rate: 0.96%

Run 1: Report of TCP BBR — Data Link

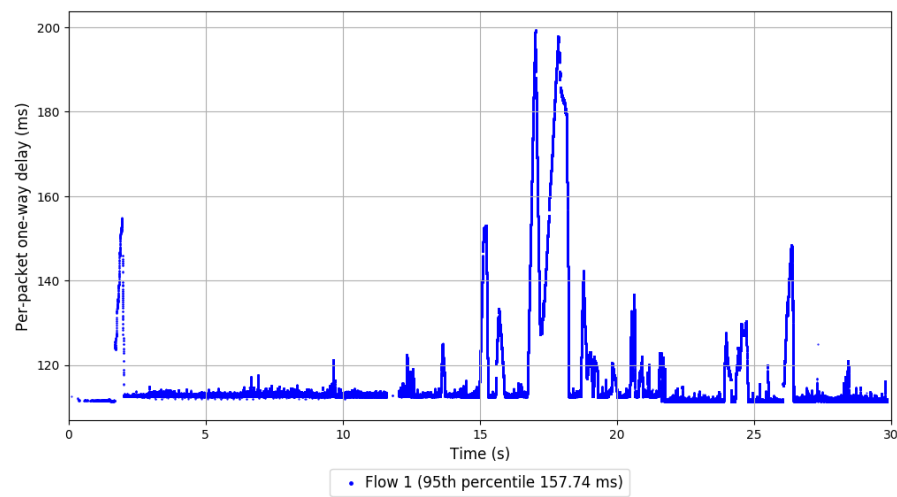
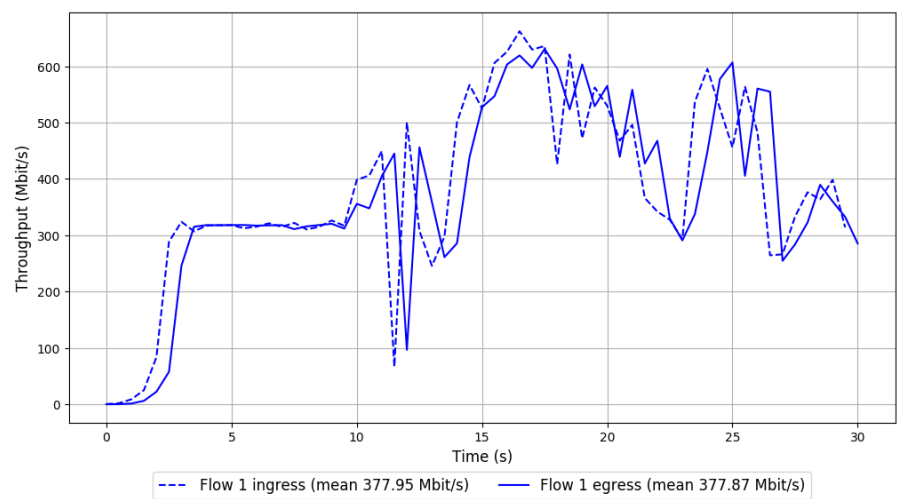


Run 2: Statistics of TCP BBR

Start at: 2018-08-09 14:40:10
End at: 2018-08-09 14:40:40
Local clock offset: 0.824 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-08-09 18:02:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 377.87 Mbit/s
95th percentile per-packet one-way delay: 157.736 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 377.87 Mbit/s
95th percentile per-packet one-way delay: 157.736 ms
Loss rate: 0.77%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-08-09 15:02:47

End at: 2018-08-09 15:03:17

Local clock offset: -0.339 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2018-08-09 18:03:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 473.31 Mbit/s

95th percentile per-packet one-way delay: 172.190 ms

Loss rate: 1.11%

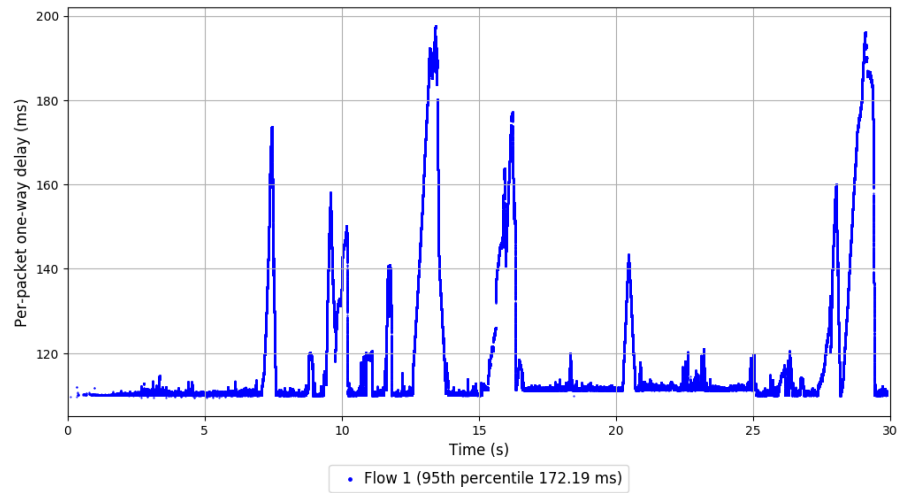
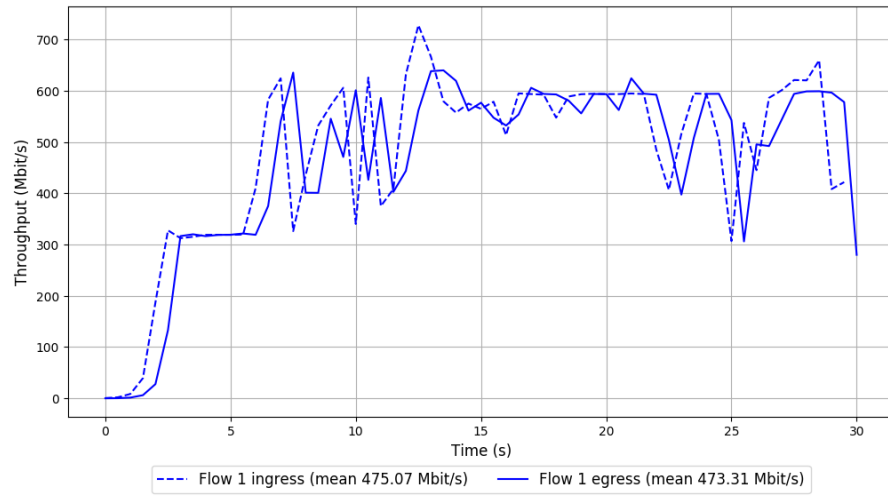
-- Flow 1:

Average throughput: 473.31 Mbit/s

95th percentile per-packet one-way delay: 172.190 ms

Loss rate: 1.11%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-08-09 15:25:13

End at: 2018-08-09 15:25:43

Local clock offset: 1.135 ms

Remote clock offset: -0.17 ms

Below is generated by plot.py at 2018-08-09 18:03:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 420.09 Mbit/s

95th percentile per-packet one-way delay: 189.211 ms

Loss rate: 1.09%

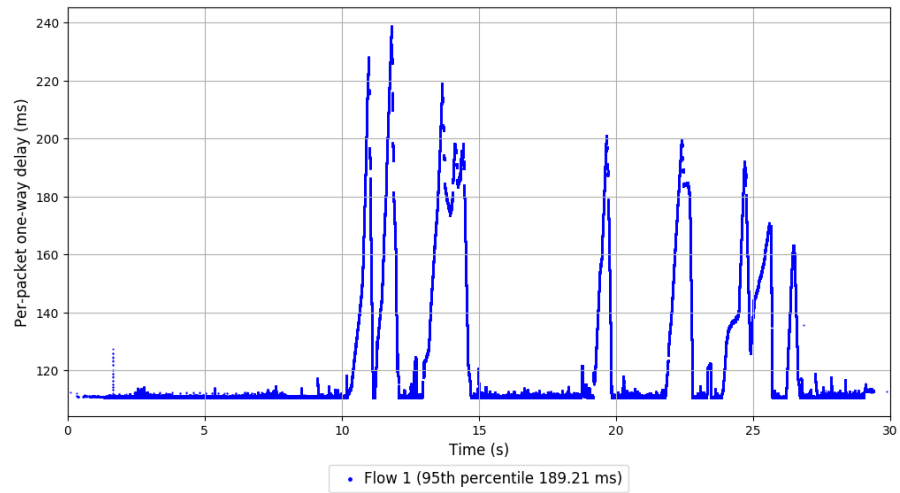
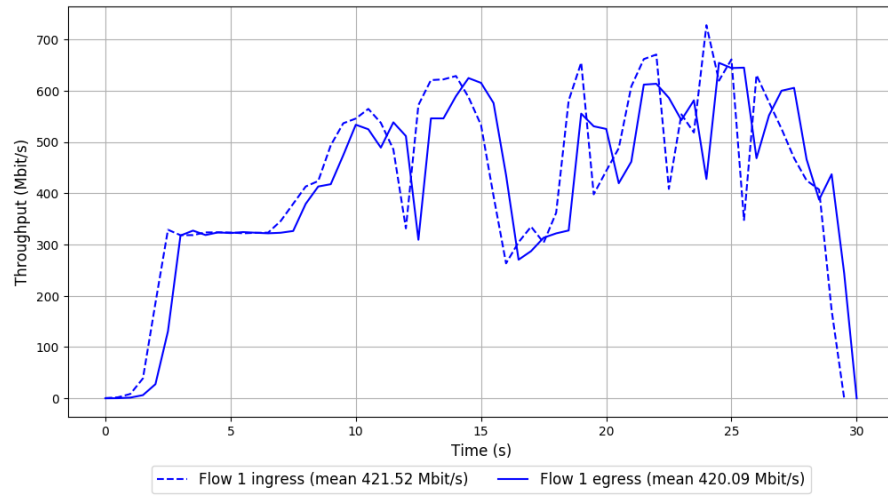
-- Flow 1:

Average throughput: 420.09 Mbit/s

95th percentile per-packet one-way delay: 189.211 ms

Loss rate: 1.09%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-08-09 15:47:44

End at: 2018-08-09 15:48:14

Local clock offset: 1.273 ms

Remote clock offset: -0.15 ms

Below is generated by plot.py at 2018-08-09 18:03:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 421.78 Mbit/s

95th percentile per-packet one-way delay: 122.611 ms

Loss rate: 0.90%

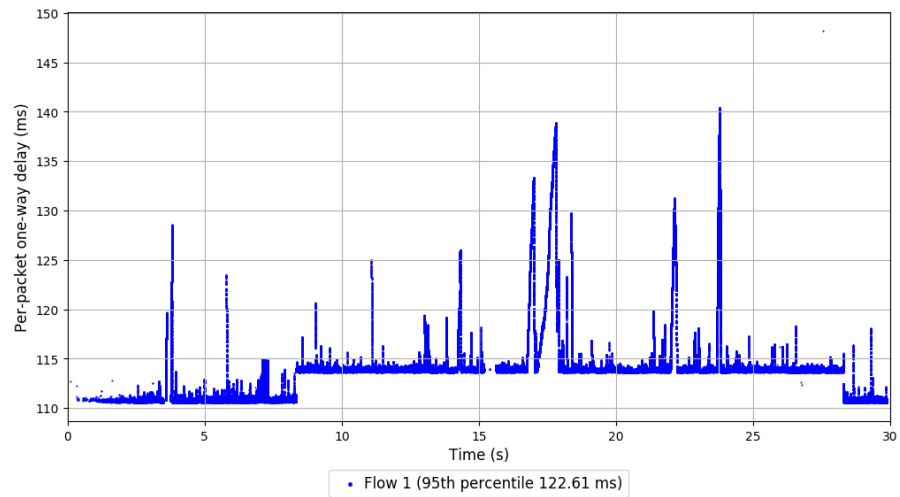
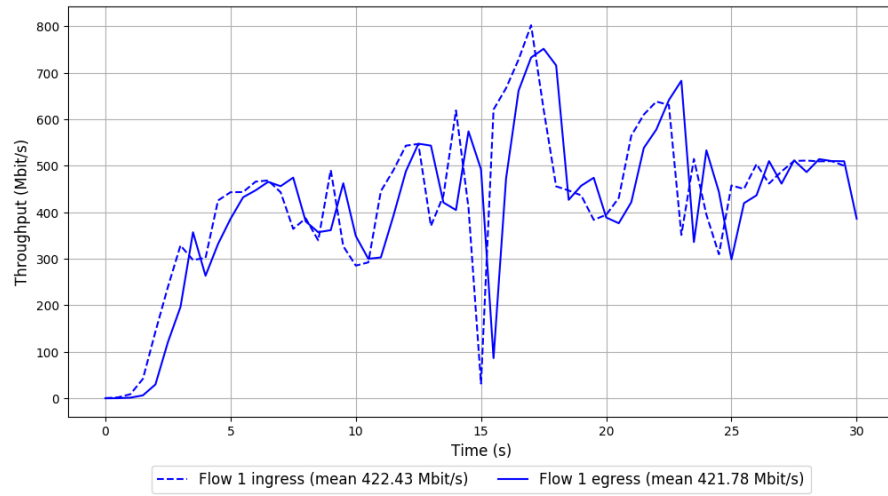
-- Flow 1:

Average throughput: 421.78 Mbit/s

95th percentile per-packet one-way delay: 122.611 ms

Loss rate: 0.90%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-08-09 16:09:57

End at: 2018-08-09 16:10:27

Local clock offset: 0.221 ms

Remote clock offset: -0.393 ms

Below is generated by plot.py at 2018-08-09 18:03:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 363.81 Mbit/s

95th percentile per-packet one-way delay: 123.978 ms

Loss rate: 0.88%

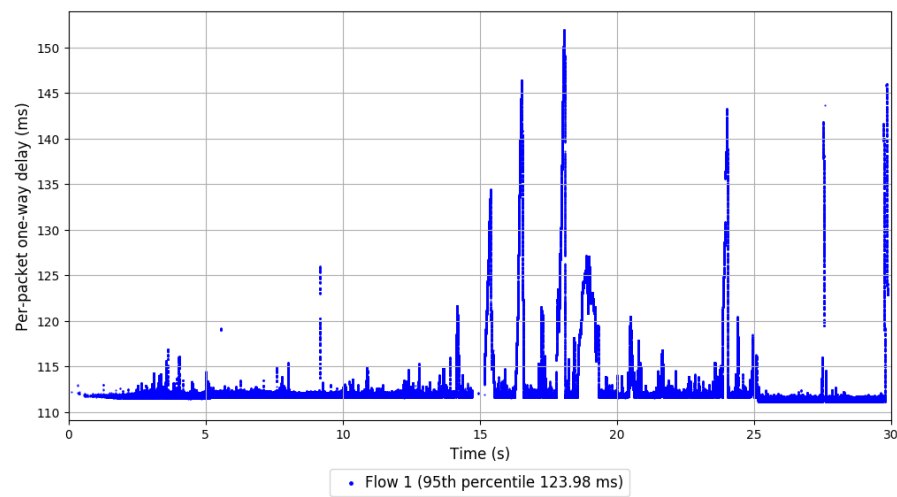
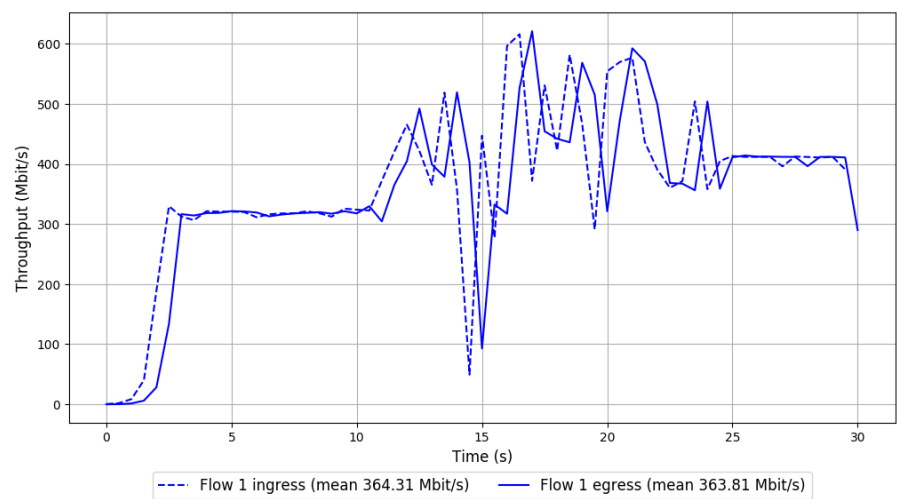
-- Flow 1:

Average throughput: 363.81 Mbit/s

95th percentile per-packet one-way delay: 123.978 ms

Loss rate: 0.88%

Run 6: Report of TCP BBR — Data Link

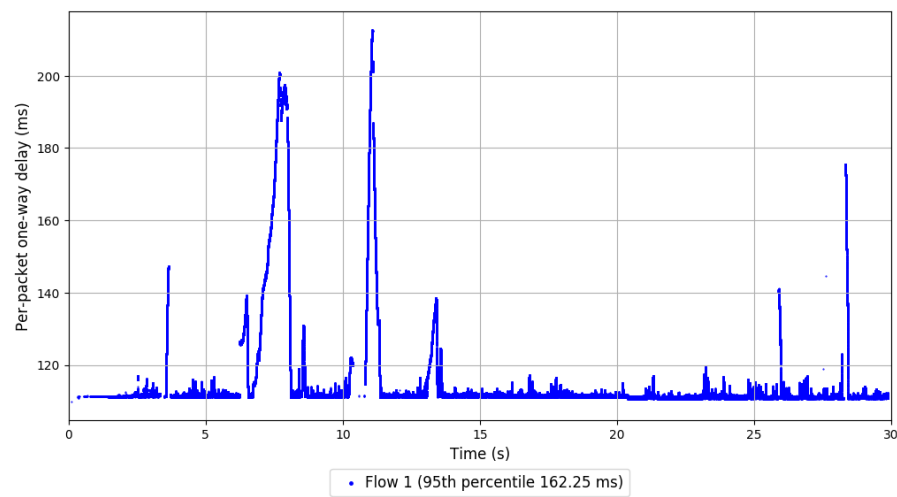
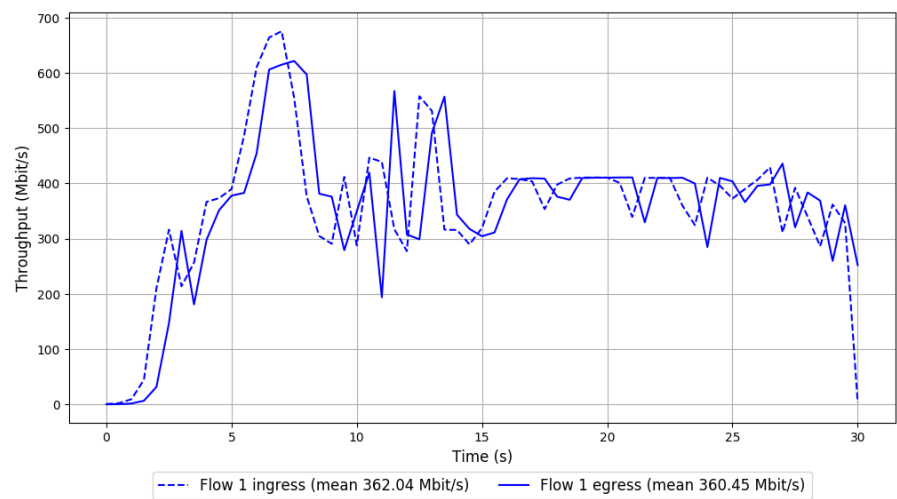


Run 7: Statistics of TCP BBR

Start at: 2018-08-09 16:32:02
End at: 2018-08-09 16:32:32
Local clock offset: -0.25 ms
Remote clock offset: -0.493 ms

Below is generated by plot.py at 2018-08-09 18:03:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 360.45 Mbit/s
95th percentile per-packet one-way delay: 162.248 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 360.45 Mbit/s
95th percentile per-packet one-way delay: 162.248 ms
Loss rate: 1.18%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-08-09 16:54:11

End at: 2018-08-09 16:54:41

Local clock offset: -0.271 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-08-09 18:03:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 323.89 Mbit/s

95th percentile per-packet one-way delay: 119.399 ms

Loss rate: 0.98%

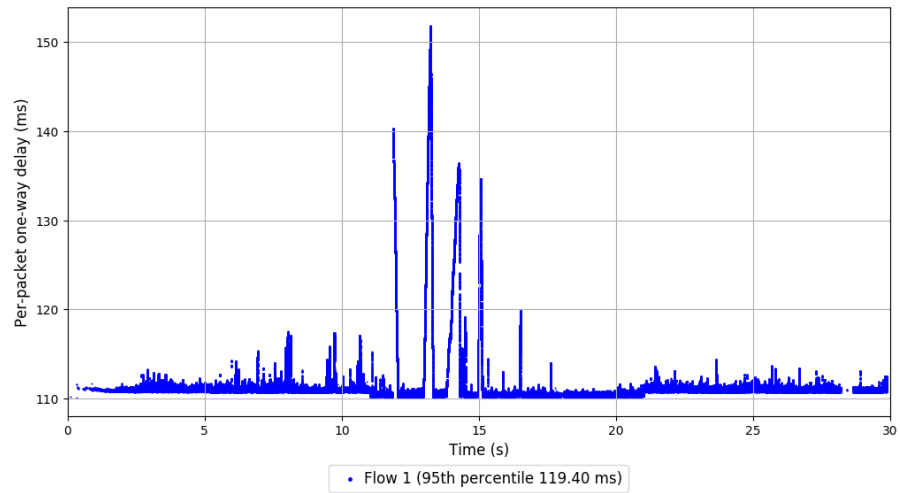
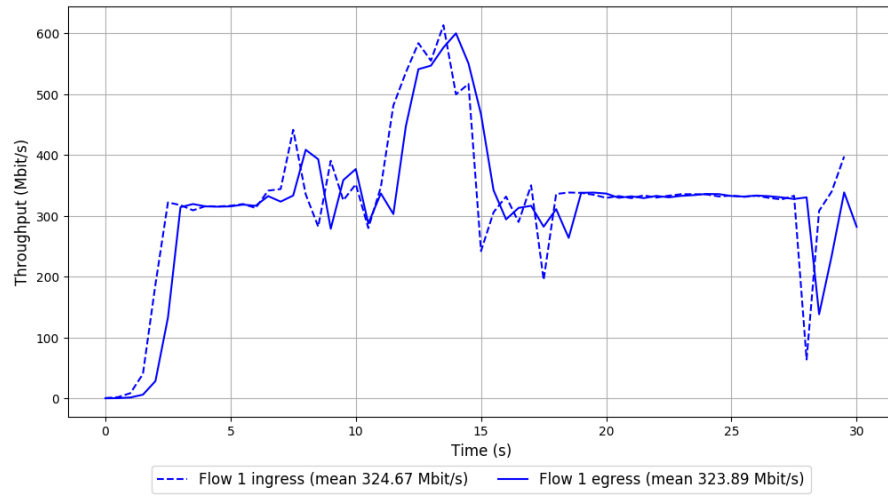
-- Flow 1:

Average throughput: 323.89 Mbit/s

95th percentile per-packet one-way delay: 119.399 ms

Loss rate: 0.98%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-08-09 17:16:53

End at: 2018-08-09 17:17:23

Local clock offset: 0.227 ms

Remote clock offset: -0.313 ms

Below is generated by plot.py at 2018-08-09 18:06:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 365.75 Mbit/s

95th percentile per-packet one-way delay: 170.340 ms

Loss rate: 0.97%

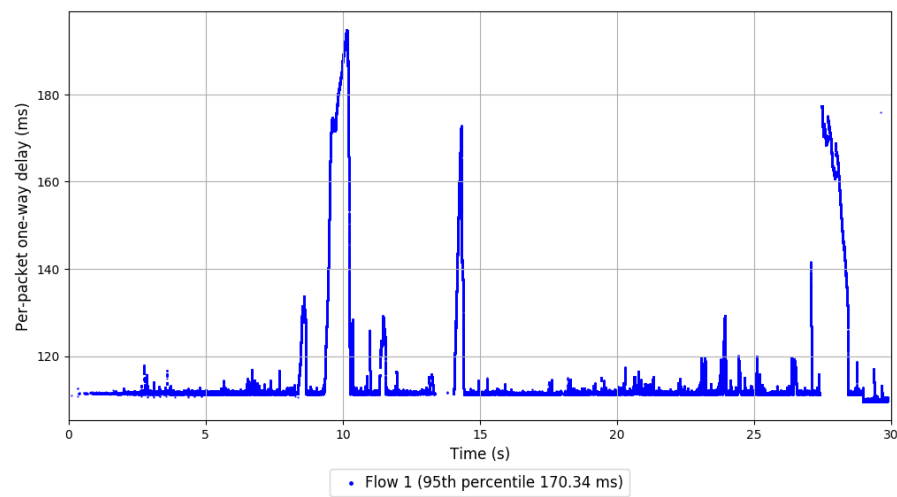
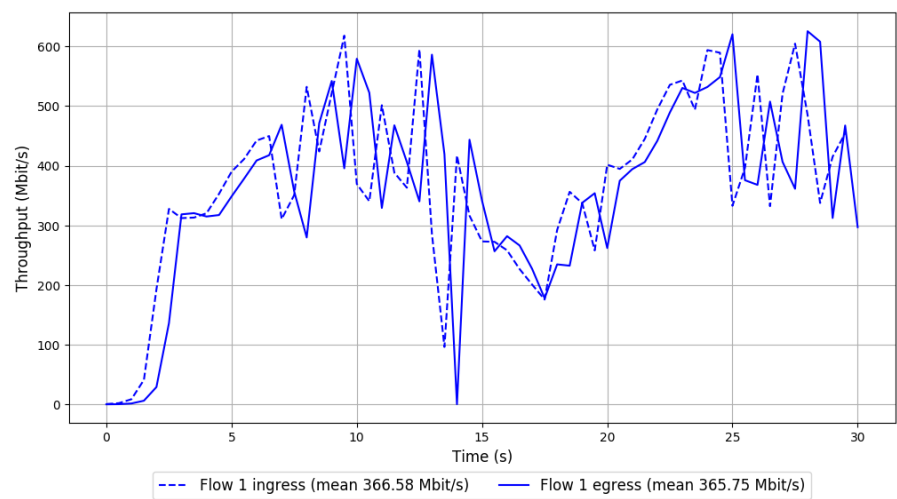
-- Flow 1:

Average throughput: 365.75 Mbit/s

95th percentile per-packet one-way delay: 170.340 ms

Loss rate: 0.97%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-08-09 17:39:17

End at: 2018-08-09 17:39:47

Local clock offset: 0.011 ms

Remote clock offset: 0.189 ms

Below is generated by plot.py at 2018-08-09 18:06:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 293.29 Mbit/s

95th percentile per-packet one-way delay: 112.971 ms

Loss rate: 0.88%

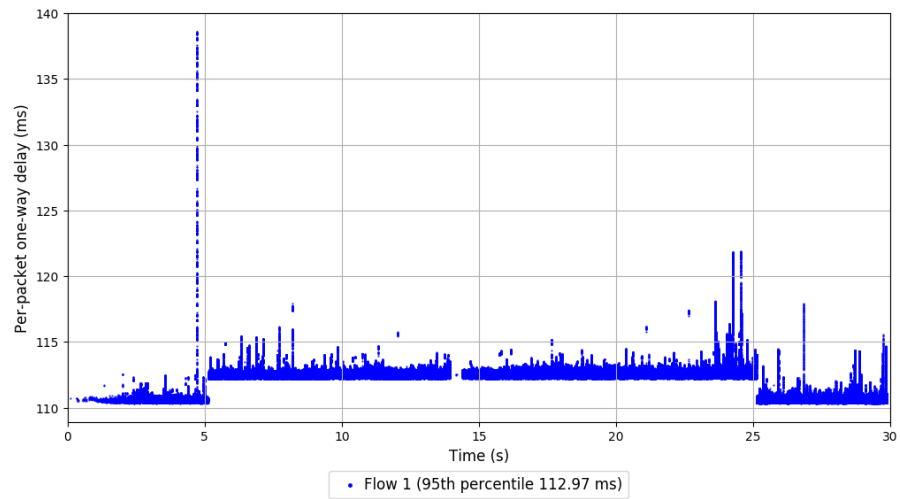
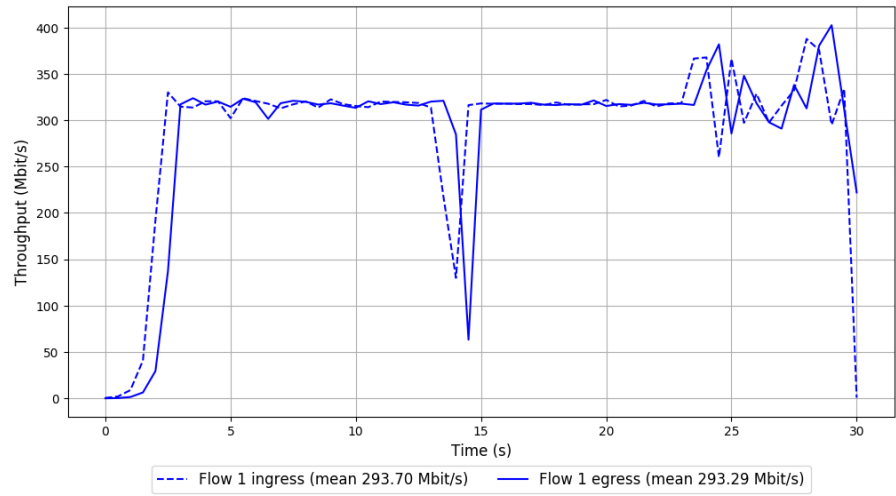
-- Flow 1:

Average throughput: 293.29 Mbit/s

95th percentile per-packet one-way delay: 112.971 ms

Loss rate: 0.88%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-08-09 14:14:55

End at: 2018-08-09 14:15:25

Local clock offset: -0.873 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2018-08-09 18:06:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.53 Mbit/s

95th percentile per-packet one-way delay: 145.781 ms

Loss rate: 0.56%

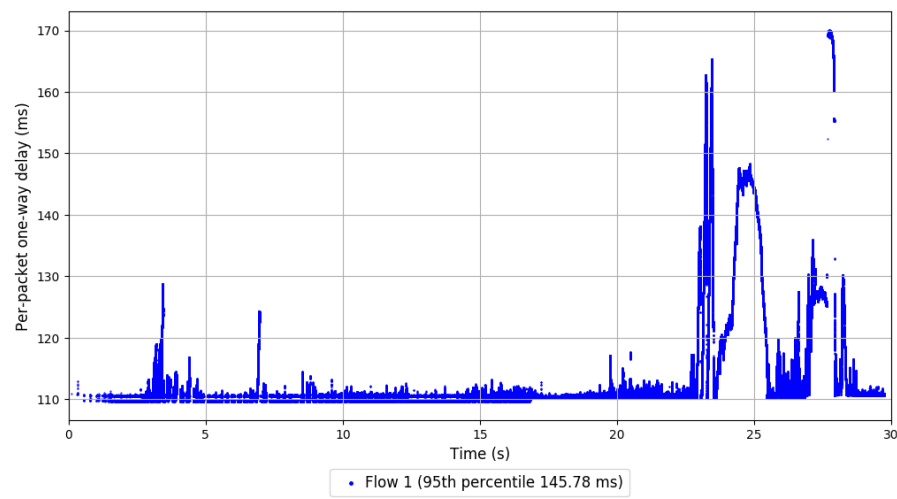
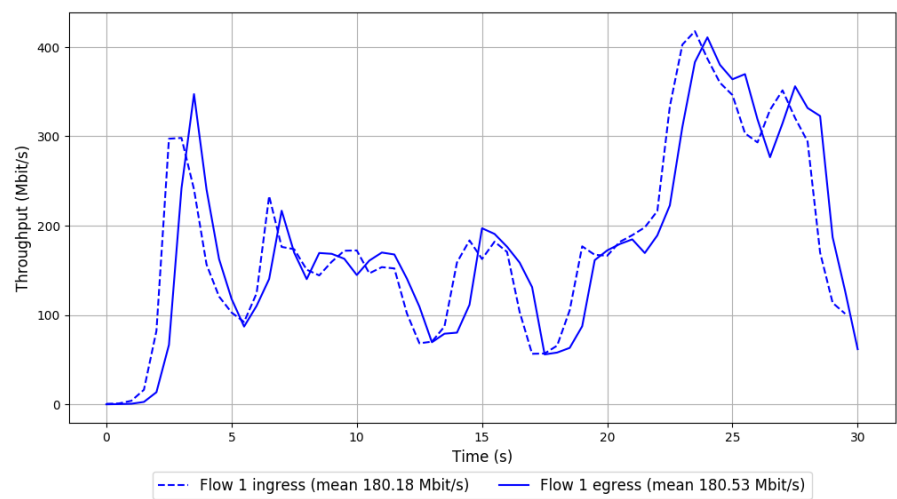
-- Flow 1:

Average throughput: 180.53 Mbit/s

95th percentile per-packet one-way delay: 145.781 ms

Loss rate: 0.56%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-08-09 14:37:31

End at: 2018-08-09 14:38:01

Local clock offset: -0.296 ms

Remote clock offset: 0.214 ms

Below is generated by plot.py at 2018-08-09 18:06:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 163.89 Mbit/s

95th percentile per-packet one-way delay: 114.971 ms

Loss rate: 1.33%

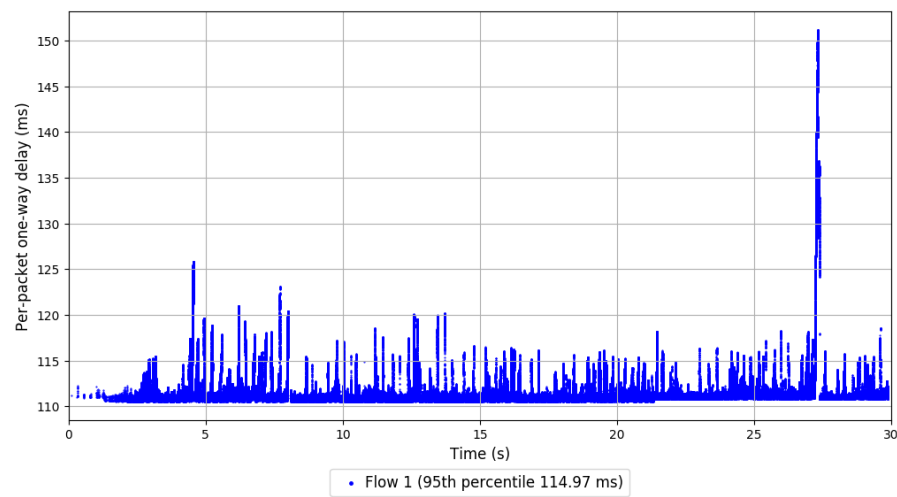
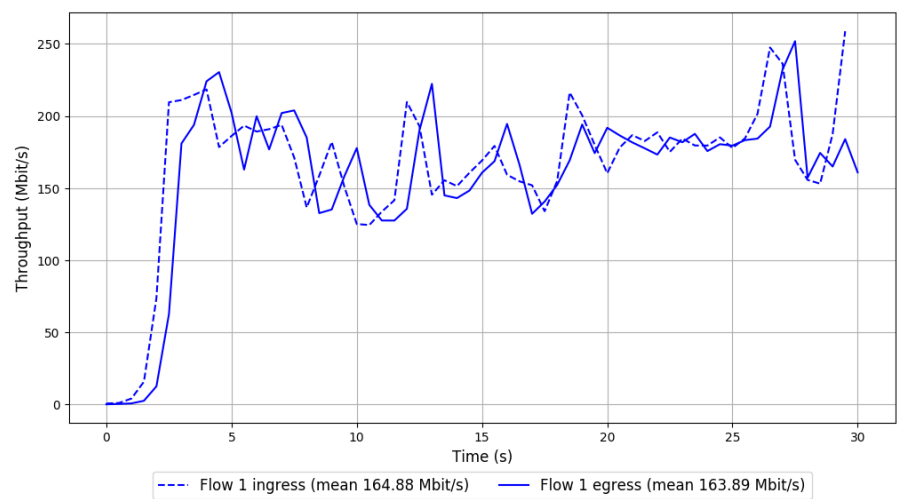
-- Flow 1:

Average throughput: 163.89 Mbit/s

95th percentile per-packet one-way delay: 114.971 ms

Loss rate: 1.33%

Run 2: Report of Copa — Data Link

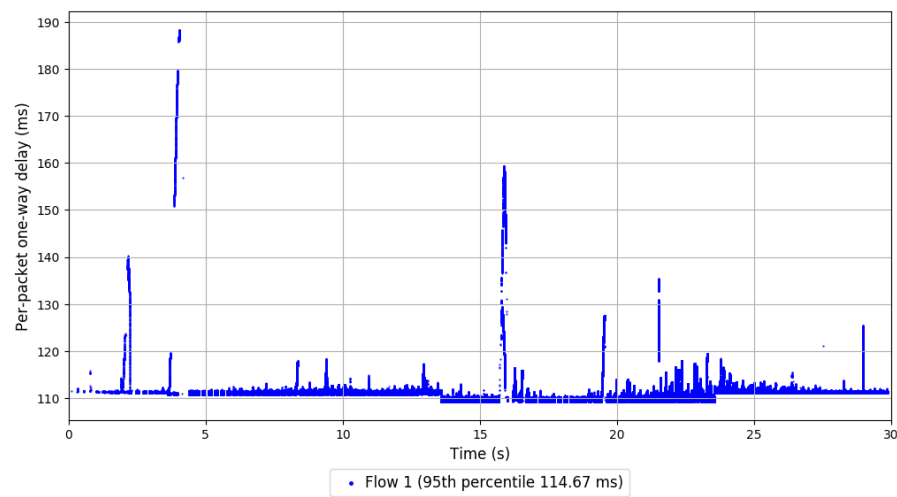
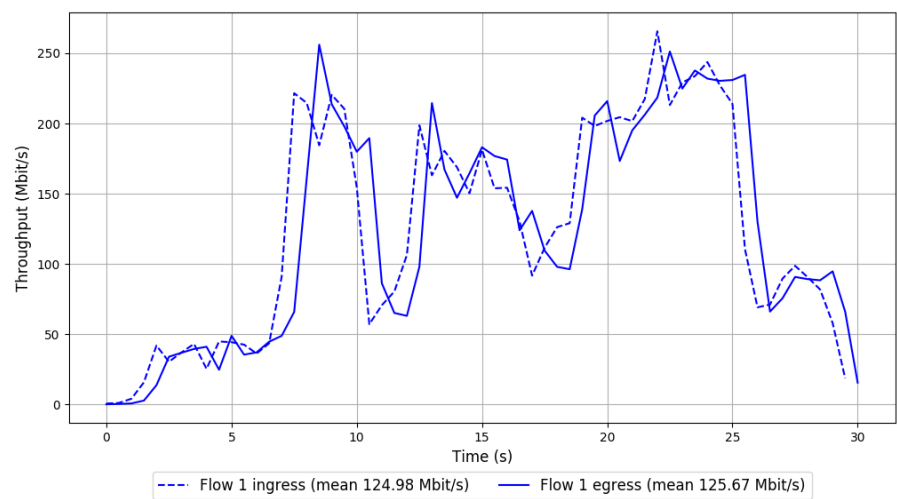


Run 3: Statistics of Copa

Start at: 2018-08-09 15:00:08
End at: 2018-08-09 15:00:38
Local clock offset: -0.393 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-08-09 18:06:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 125.67 Mbit/s
95th percentile per-packet one-way delay: 114.665 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 125.67 Mbit/s
95th percentile per-packet one-way delay: 114.665 ms
Loss rate: 0.19%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-08-09 15:22:38

End at: 2018-08-09 15:23:08

Local clock offset: -0.86 ms

Remote clock offset: 0.113 ms

Below is generated by plot.py at 2018-08-09 18:06:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 113.83 Mbit/s

95th percentile per-packet one-way delay: 110.651 ms

Loss rate: 1.07%

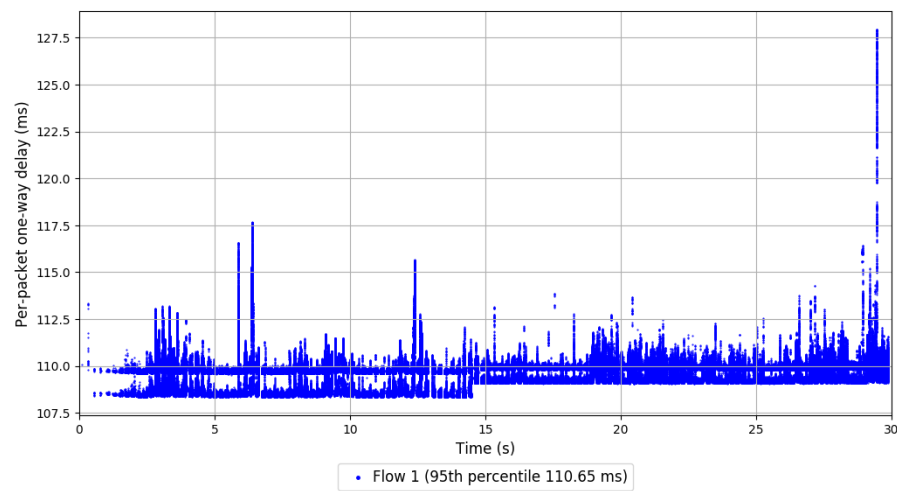
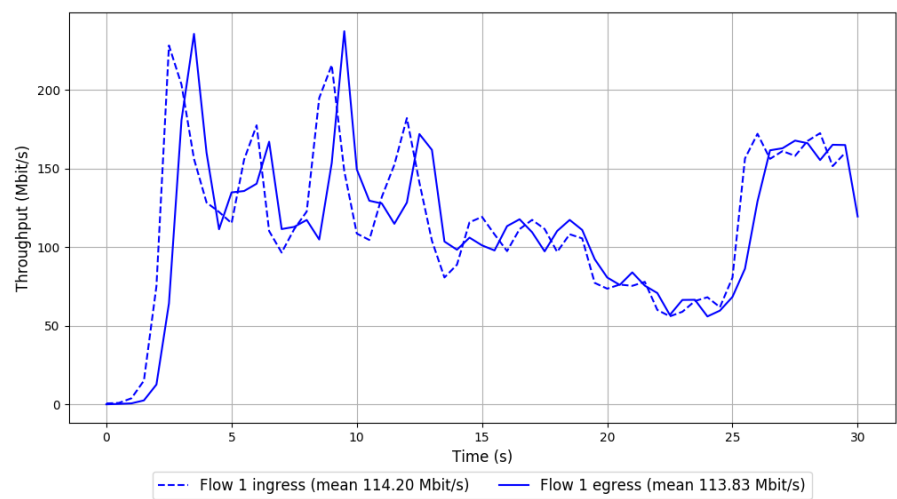
-- Flow 1:

Average throughput: 113.83 Mbit/s

95th percentile per-packet one-way delay: 110.651 ms

Loss rate: 1.07%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-08-09 15:45:03

End at: 2018-08-09 15:45:33

Local clock offset: 0.027 ms

Remote clock offset: 0.081 ms

Below is generated by plot.py at 2018-08-09 18:06:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 138.20 Mbit/s

95th percentile per-packet one-way delay: 112.322 ms

Loss rate: 1.08%

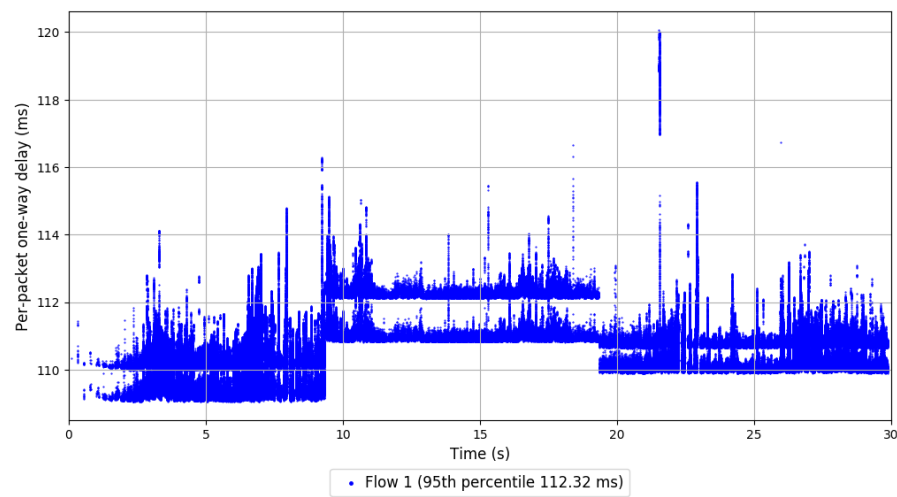
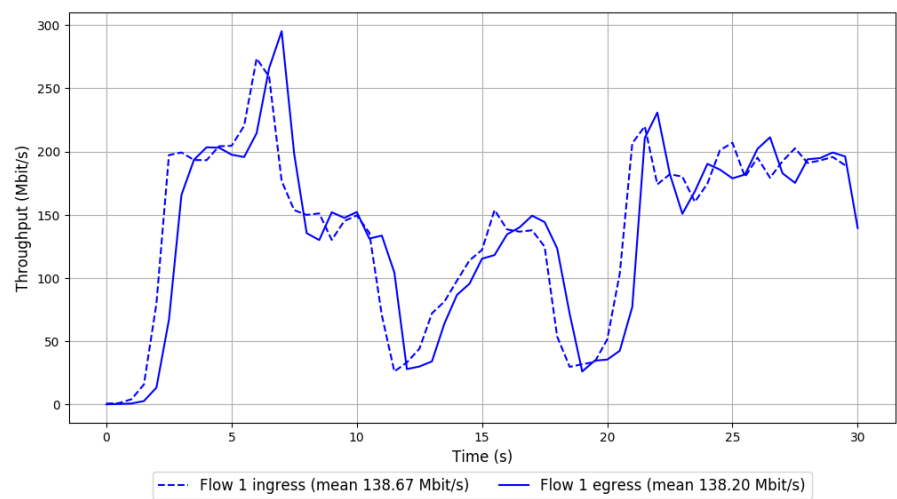
-- Flow 1:

Average throughput: 138.20 Mbit/s

95th percentile per-packet one-way delay: 112.322 ms

Loss rate: 1.08%

Run 5: Report of Copa — Data Link

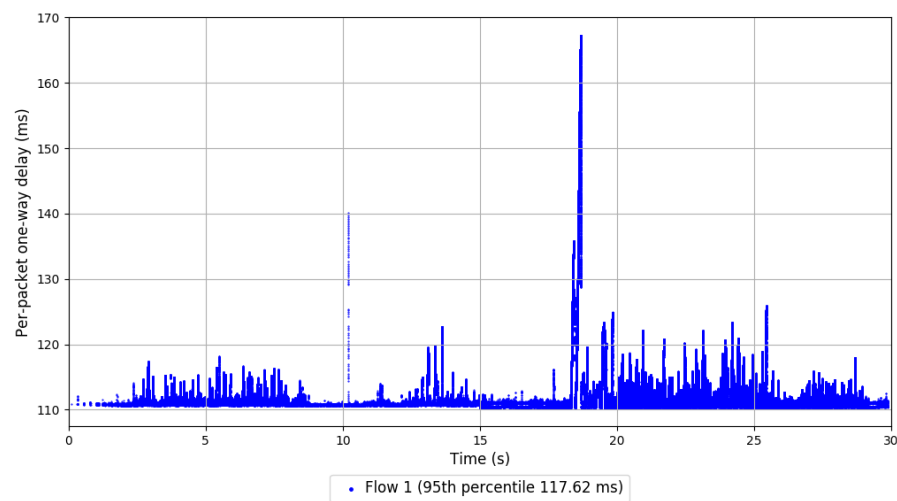
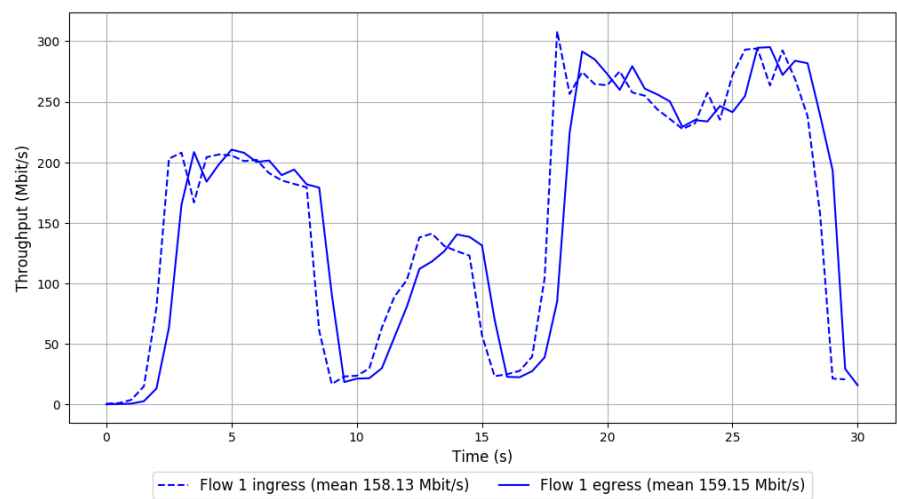


Run 6: Statistics of Copa

Start at: 2018-08-09 16:07:17
End at: 2018-08-09 16:07:47
Local clock offset: -0.275 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-08-09 18:08:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 159.15 Mbit/s
95th percentile per-packet one-way delay: 117.625 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 159.15 Mbit/s
95th percentile per-packet one-way delay: 117.625 ms
Loss rate: 0.10%

Run 6: Report of Copa — Data Link

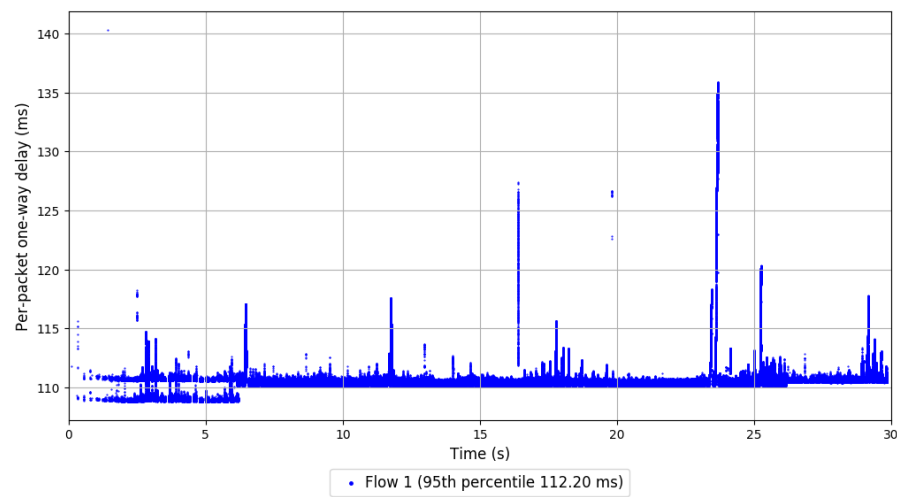
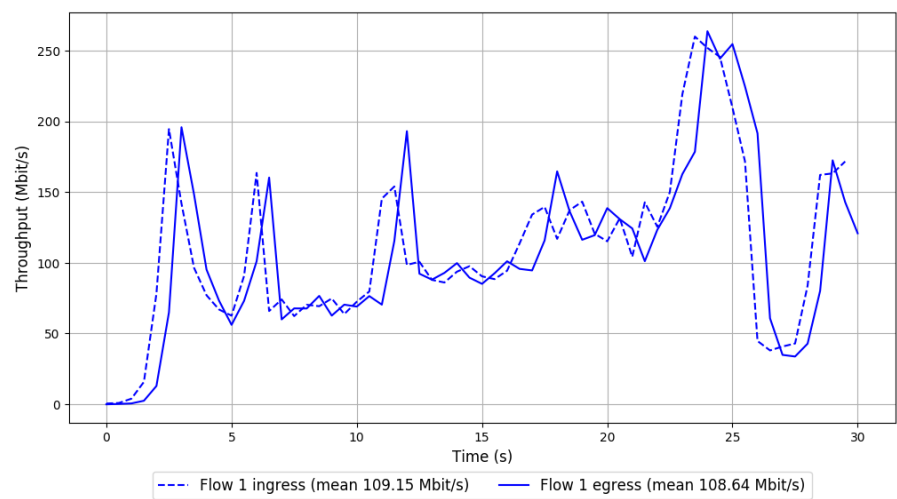


Run 7: Statistics of Copa

Start at: 2018-08-09 16:29:26
End at: 2018-08-09 16:29:56
Local clock offset: -0.778 ms
Remote clock offset: -0.453 ms

Below is generated by plot.py at 2018-08-09 18:08:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 108.64 Mbit/s
95th percentile per-packet one-way delay: 112.197 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 108.64 Mbit/s
95th percentile per-packet one-way delay: 112.197 ms
Loss rate: 1.21%

Run 7: Report of Copa — Data Link

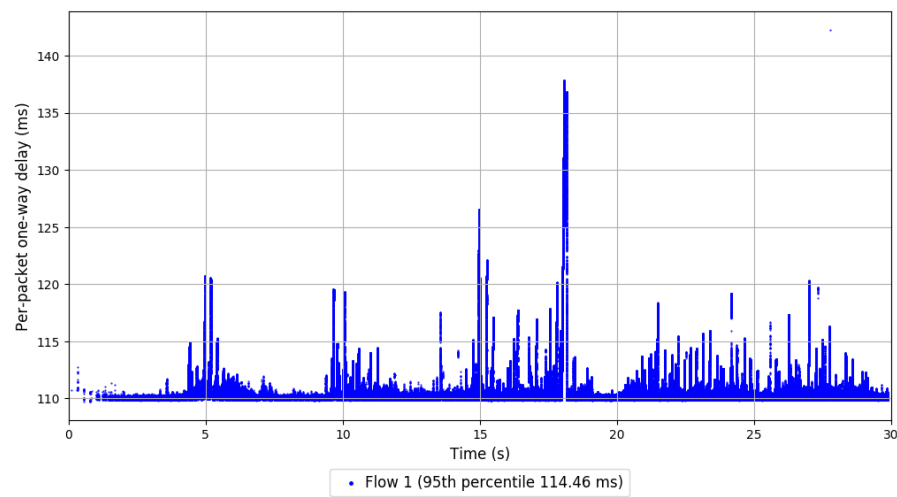
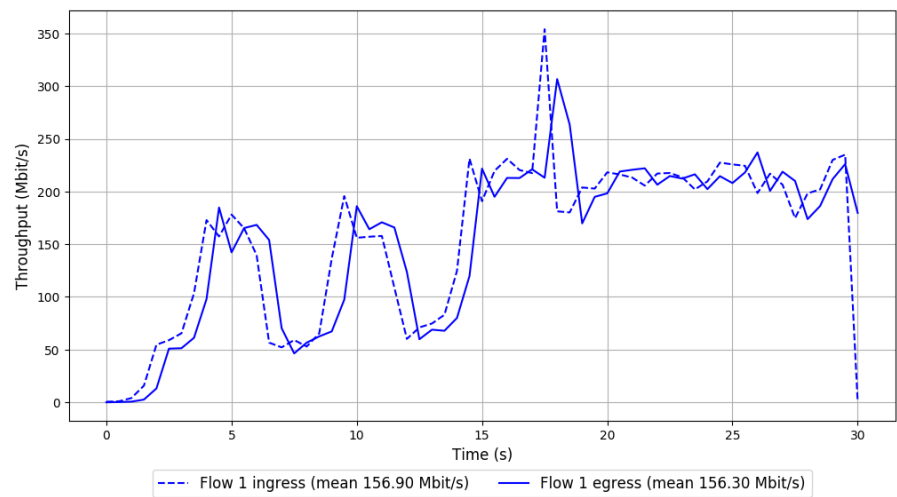


Run 8: Statistics of Copa

Start at: 2018-08-09 16:51:31
End at: 2018-08-09 16:52:01
Local clock offset: -1.332 ms
Remote clock offset: -0.482 ms

Below is generated by plot.py at 2018-08-09 18:10:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 156.30 Mbit/s
95th percentile per-packet one-way delay: 114.458 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 156.30 Mbit/s
95th percentile per-packet one-way delay: 114.458 ms
Loss rate: 1.12%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-08-09 17:14:16

End at: 2018-08-09 17:14:46

Local clock offset: -0.561 ms

Remote clock offset: 0.088 ms

Below is generated by plot.py at 2018-08-09 18:10:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 135.27 Mbit/s

95th percentile per-packet one-way delay: 112.442 ms

Loss rate: 1.21%

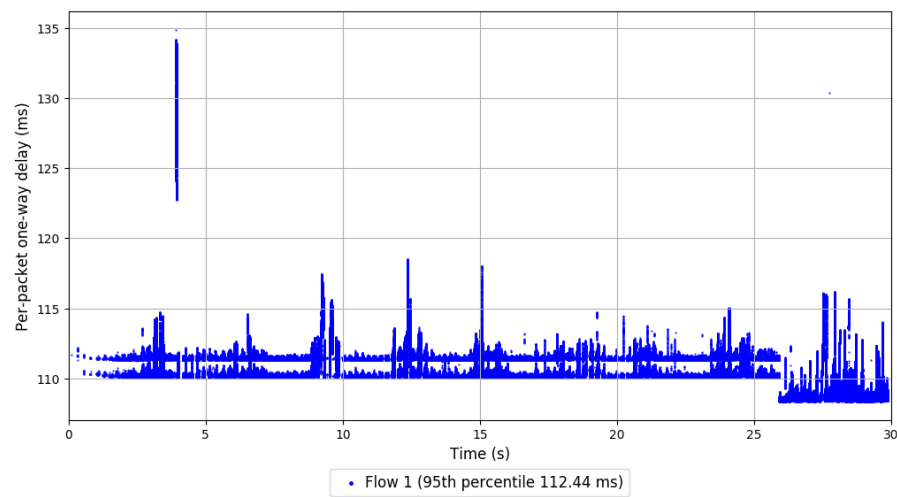
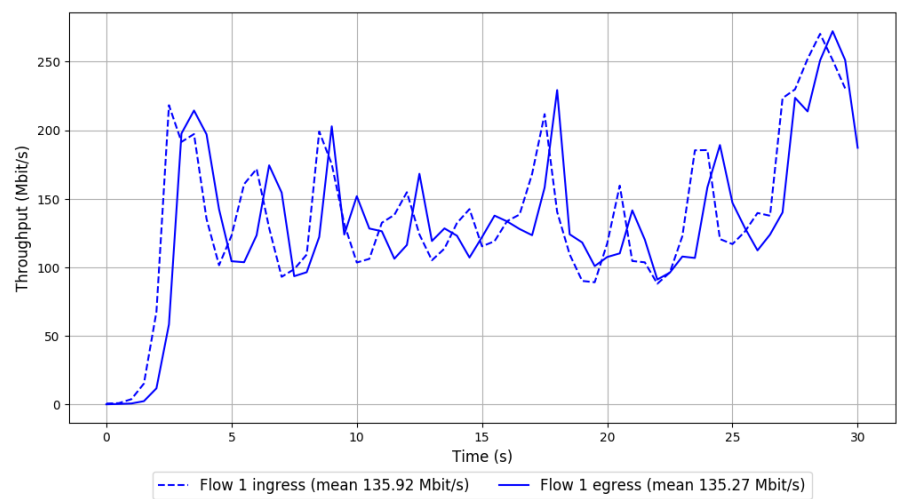
-- Flow 1:

Average throughput: 135.27 Mbit/s

95th percentile per-packet one-way delay: 112.442 ms

Loss rate: 1.21%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-08-09 17:36:38

End at: 2018-08-09 17:37:08

Local clock offset: 1.335 ms

Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-08-09 18:10:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 142.01 Mbit/s

95th percentile per-packet one-way delay: 118.893 ms

Loss rate: 1.47%

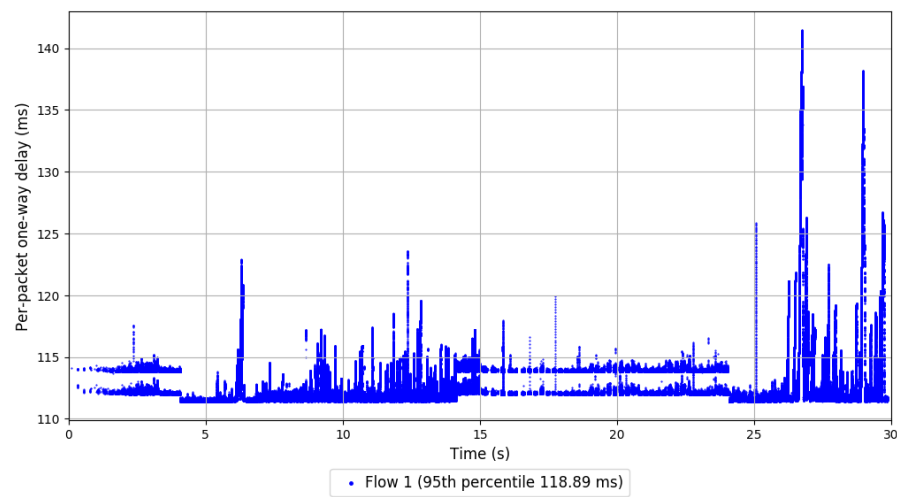
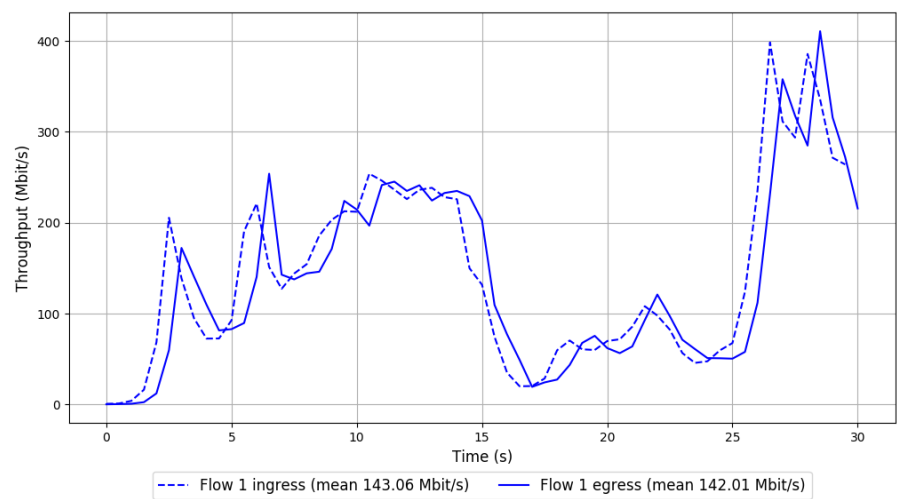
-- Flow 1:

Average throughput: 142.01 Mbit/s

95th percentile per-packet one-way delay: 118.893 ms

Loss rate: 1.47%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-08-09 14:20:06

End at: 2018-08-09 14:20:36

Local clock offset: 0.957 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-08-09 18:10:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 107.07 Mbit/s

95th percentile per-packet one-way delay: 113.765 ms

Loss rate: 0.93%

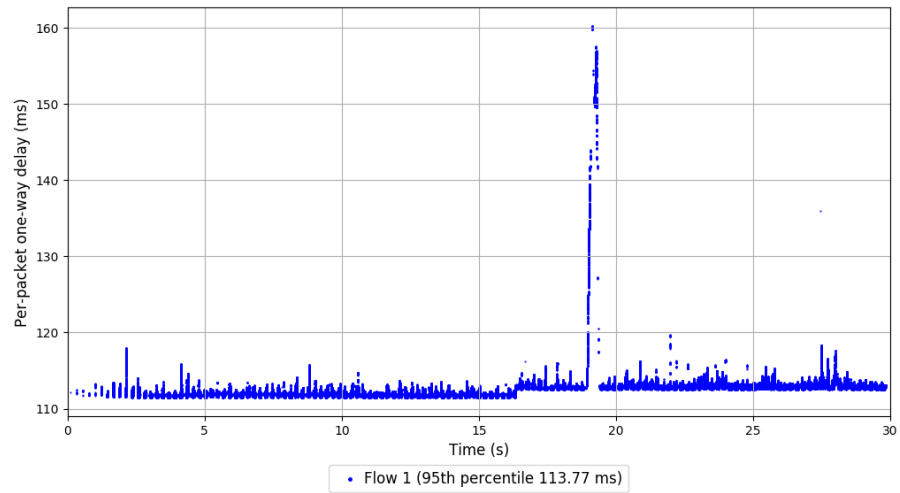
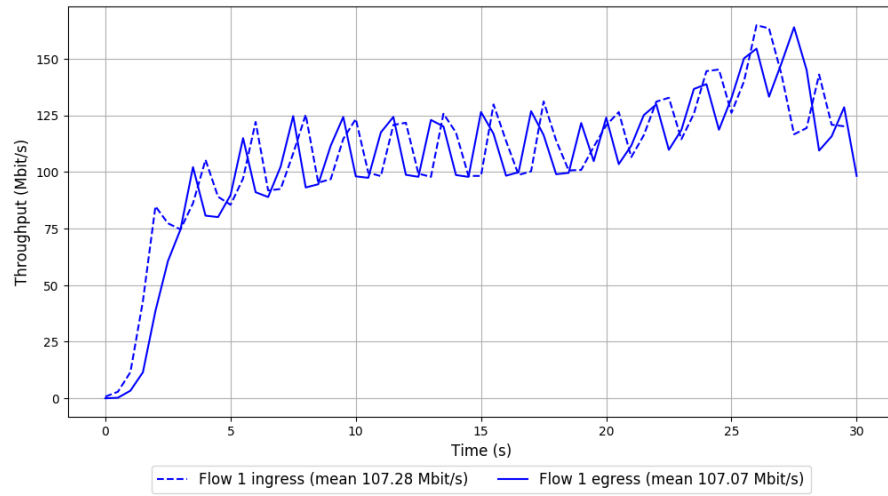
-- Flow 1:

Average throughput: 107.07 Mbit/s

95th percentile per-packet one-way delay: 113.765 ms

Loss rate: 0.93%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-08-09 14:42:48

End at: 2018-08-09 14:43:18

Local clock offset: -0.043 ms

Remote clock offset: 0.349 ms

Below is generated by plot.py at 2018-08-09 18:10:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.63 Mbit/s

95th percentile per-packet one-way delay: 114.339 ms

Loss rate: 1.26%

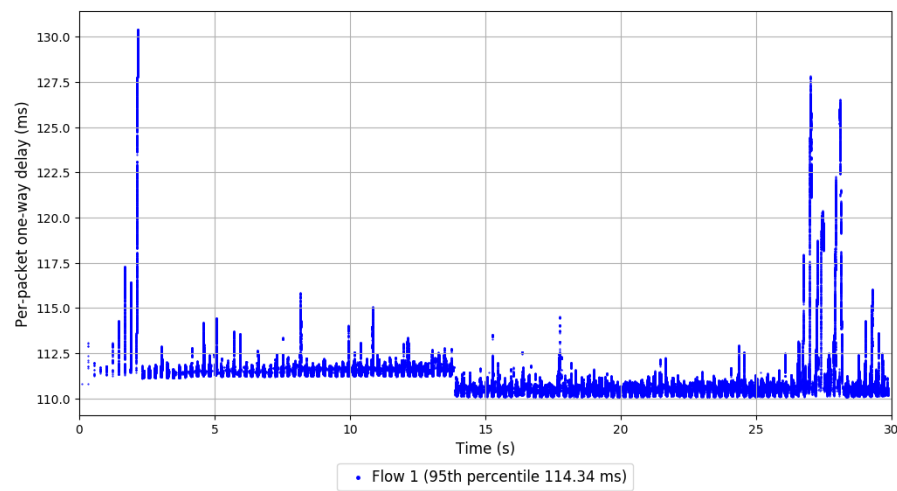
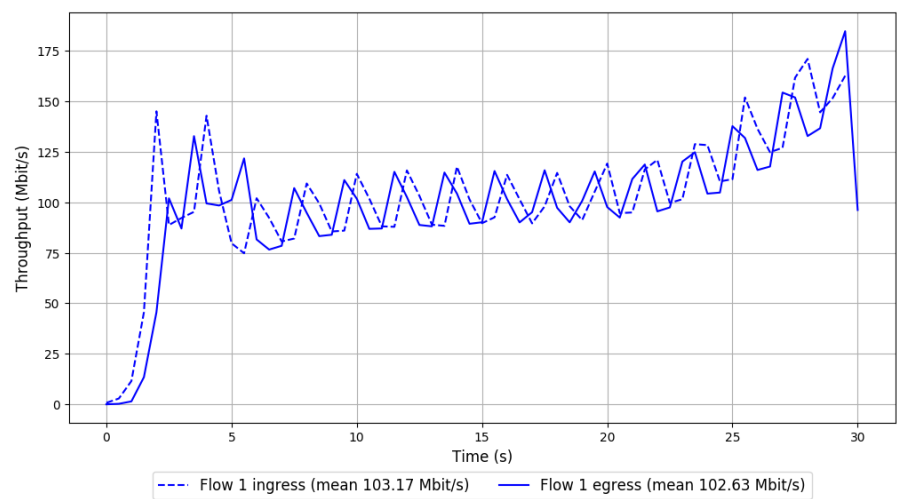
-- Flow 1:

Average throughput: 102.63 Mbit/s

95th percentile per-packet one-way delay: 114.339 ms

Loss rate: 1.26%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-08-09 15:05:30

End at: 2018-08-09 15:06:00

Local clock offset: 0.295 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-08-09 18:10:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 119.89 Mbit/s

95th percentile per-packet one-way delay: 113.363 ms

Loss rate: 1.08%

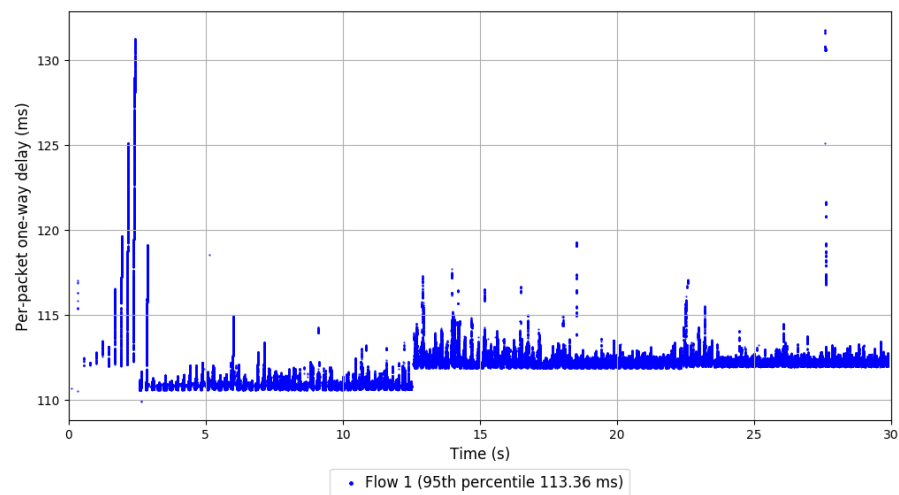
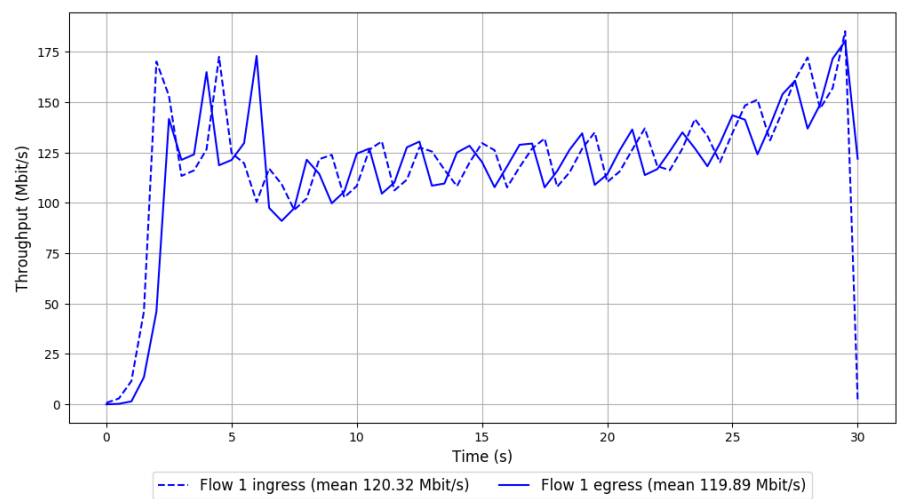
-- Flow 1:

Average throughput: 119.89 Mbit/s

95th percentile per-packet one-way delay: 113.363 ms

Loss rate: 1.08%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-08-09 15:27:54

End at: 2018-08-09 15:28:24

Local clock offset: -0.087 ms

Remote clock offset: 0.158 ms

Below is generated by plot.py at 2018-08-09 18:10:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 118.39 Mbit/s

95th percentile per-packet one-way delay: 112.420 ms

Loss rate: 0.84%

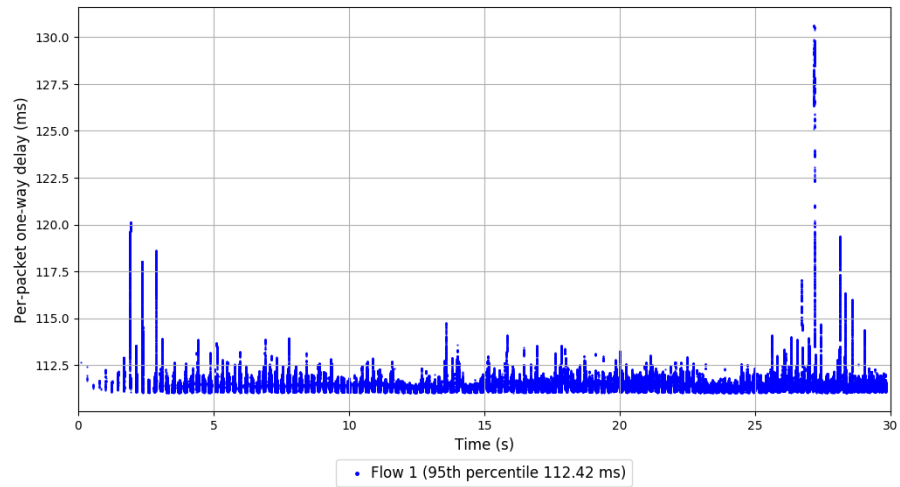
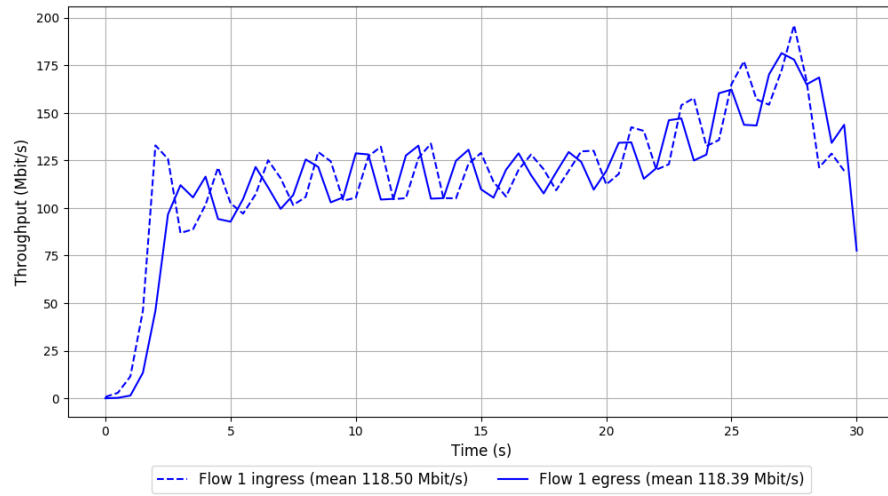
-- Flow 1:

Average throughput: 118.39 Mbit/s

95th percentile per-packet one-way delay: 112.420 ms

Loss rate: 0.84%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-08-09 15:50:25

End at: 2018-08-09 15:50:55

Local clock offset: -1.273 ms

Remote clock offset: 0.169 ms

Below is generated by plot.py at 2018-08-09 18:10:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.64 Mbit/s

95th percentile per-packet one-way delay: 113.677 ms

Loss rate: 0.36%

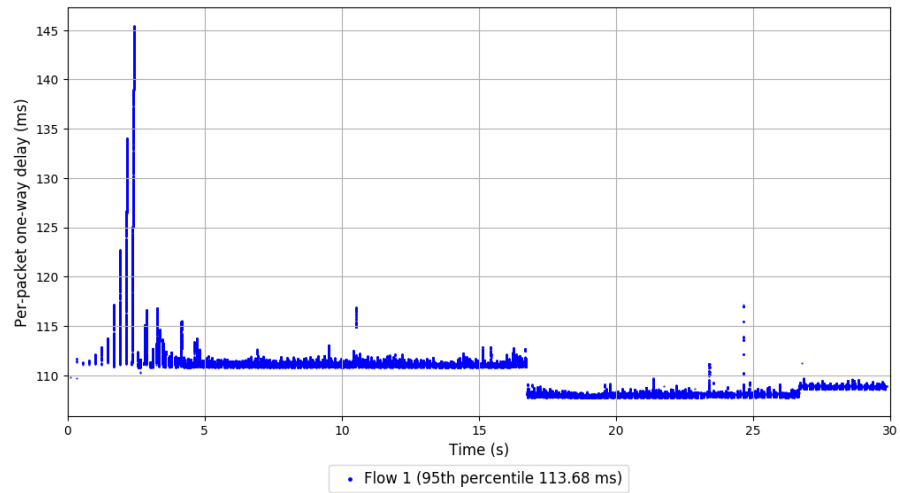
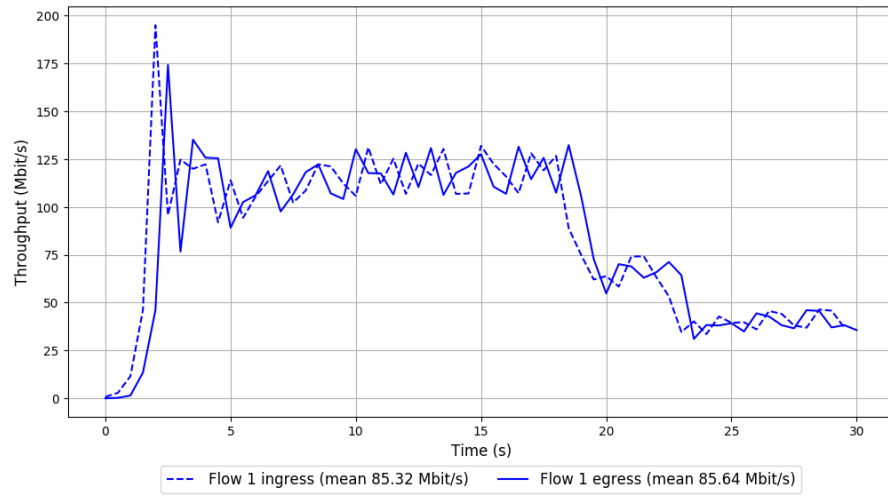
-- Flow 1:

Average throughput: 85.64 Mbit/s

95th percentile per-packet one-way delay: 113.677 ms

Loss rate: 0.36%

Run 5: Report of TCP Cubic — Data Link

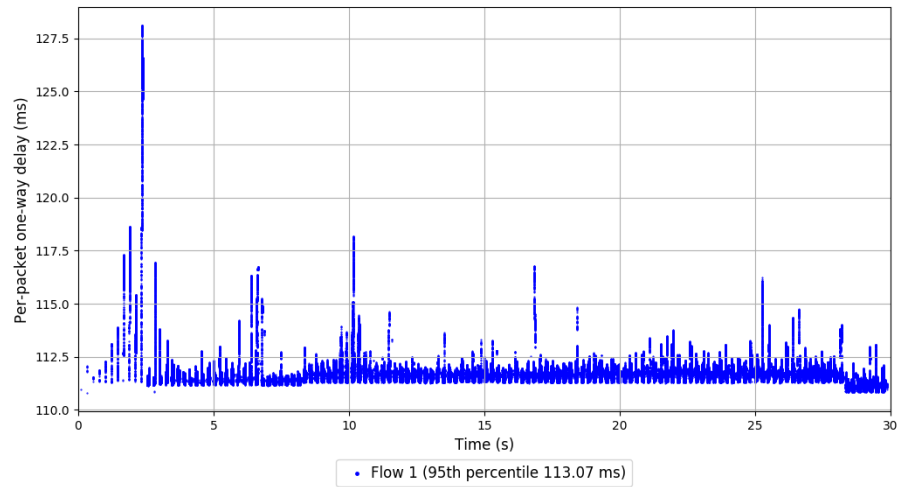
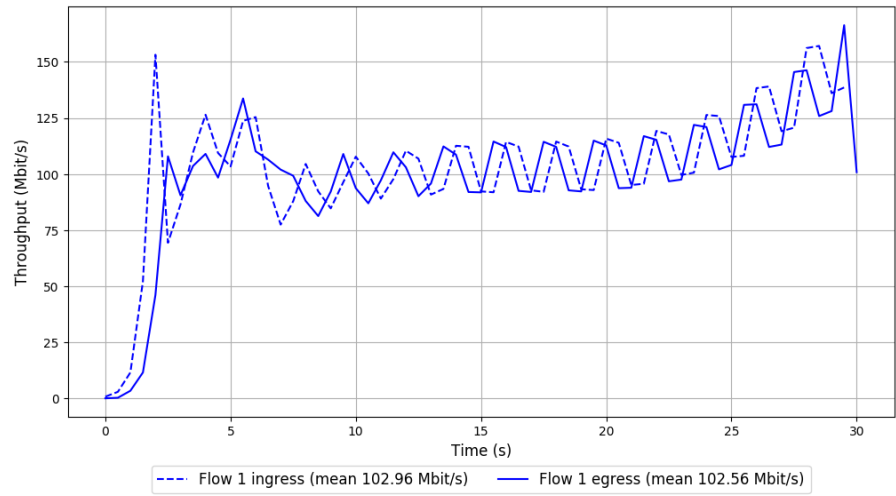


Run 6: Statistics of TCP Cubic

Start at: 2018-08-09 16:12:34
End at: 2018-08-09 16:13:04
Local clock offset: -0.083 ms
Remote clock offset: -0.388 ms

Below is generated by plot.py at 2018-08-09 18:10:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 102.56 Mbit/s
95th percentile per-packet one-way delay: 113.074 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 102.56 Mbit/s
95th percentile per-packet one-way delay: 113.074 ms
Loss rate: 1.13%

Run 6: Report of TCP Cubic — Data Link

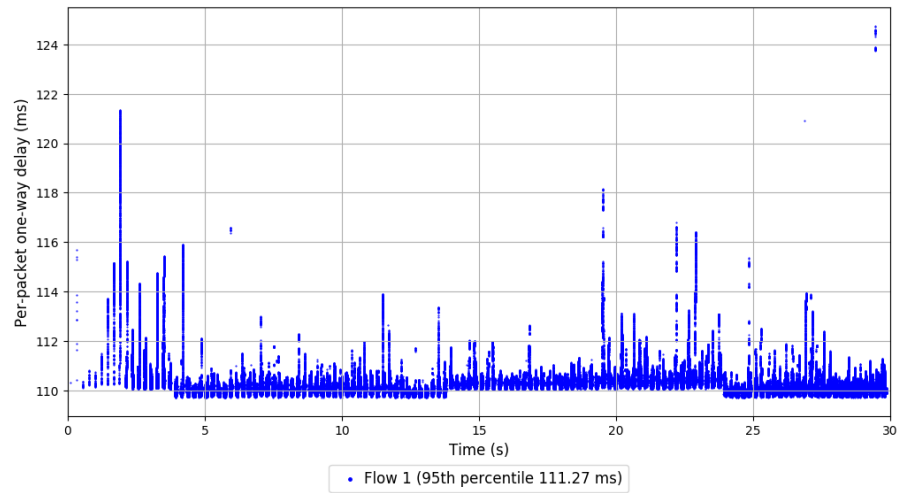
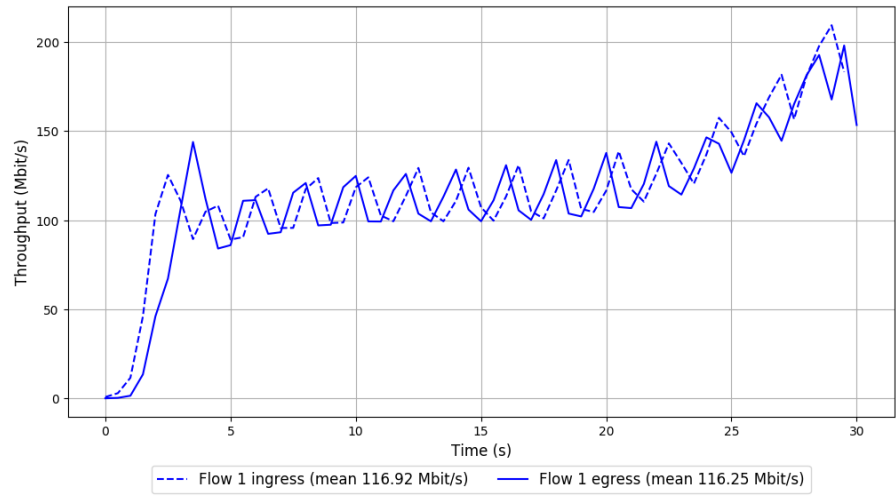


Run 7: Statistics of TCP Cubic

Start at: 2018-08-09 16:34:38
End at: 2018-08-09 16:35:08
Local clock offset: -1.292 ms
Remote clock offset: -0.574 ms

Below is generated by plot.py at 2018-08-09 18:10:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 116.25 Mbit/s
95th percentile per-packet one-way delay: 111.266 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 116.25 Mbit/s
95th percentile per-packet one-way delay: 111.266 ms
Loss rate: 1.31%

Run 7: Report of TCP Cubic — Data Link

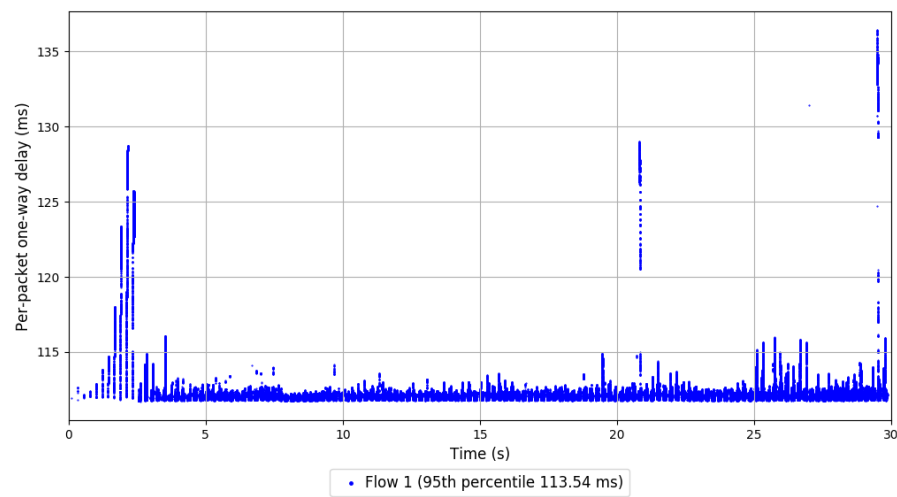
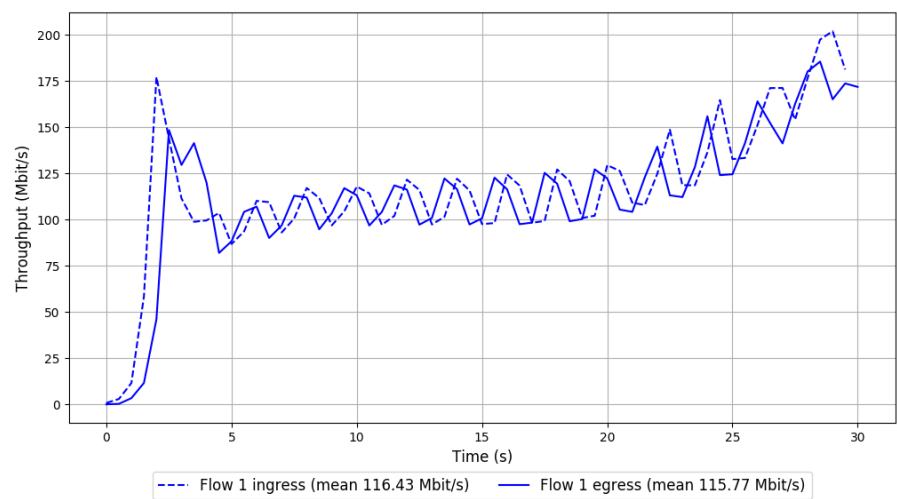


Run 8: Statistics of TCP Cubic

Start at: 2018-08-09 16:56:44
End at: 2018-08-09 16:57:14
Local clock offset: 0.662 ms
Remote clock offset: -0.235 ms

Below is generated by plot.py at 2018-08-09 18:10:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 115.77 Mbit/s
95th percentile per-packet one-way delay: 113.537 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 115.77 Mbit/s
95th percentile per-packet one-way delay: 113.537 ms
Loss rate: 1.30%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-08-09 17:19:31

End at: 2018-08-09 17:20:01

Local clock offset: 0.522 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-08-09 18:11:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 109.96 Mbit/s

95th percentile per-packet one-way delay: 112.015 ms

Loss rate: 1.26%

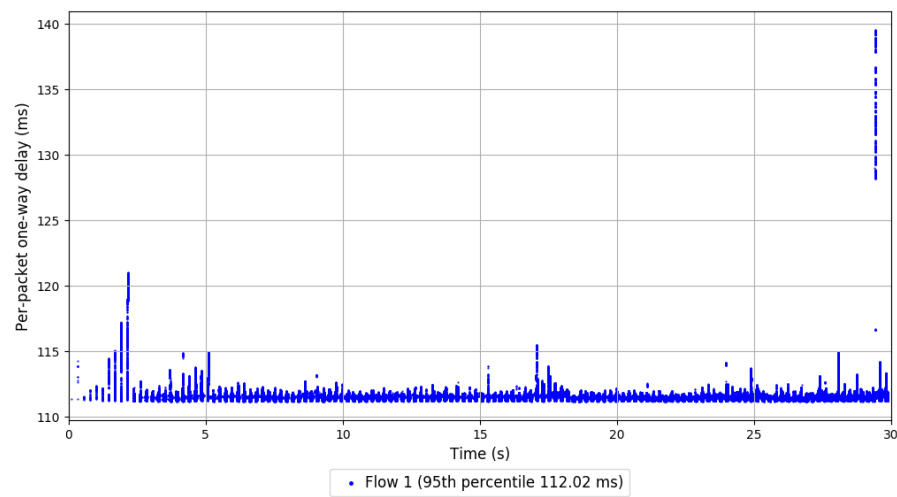
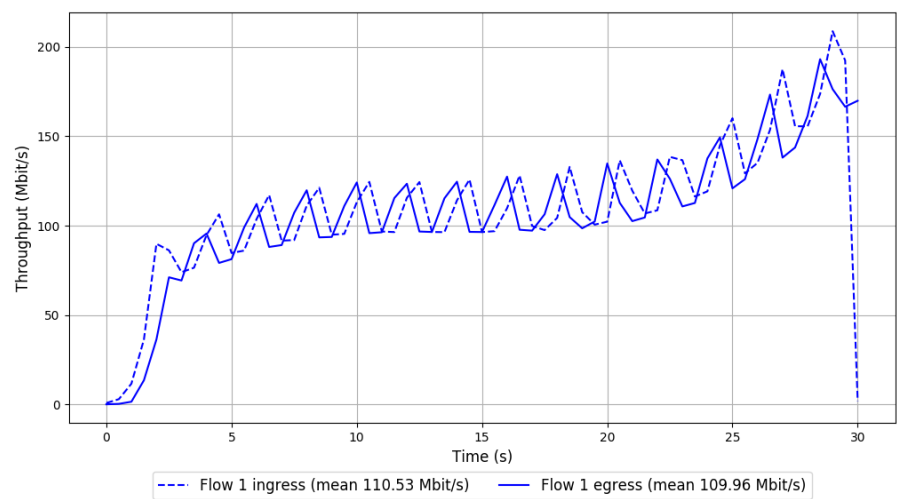
-- Flow 1:

Average throughput: 109.96 Mbit/s

95th percentile per-packet one-way delay: 112.015 ms

Loss rate: 1.26%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-09 17:41:48

End at: 2018-08-09 17:42:18

Local clock offset: -0.382 ms

Remote clock offset: 0.199 ms

Below is generated by plot.py at 2018-08-09 18:11:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.32 Mbit/s

95th percentile per-packet one-way delay: 112.265 ms

Loss rate: 1.23%

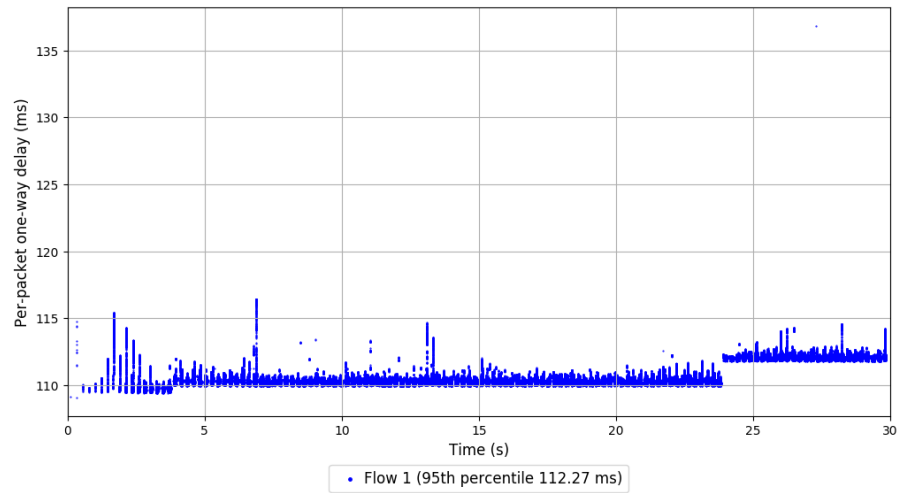
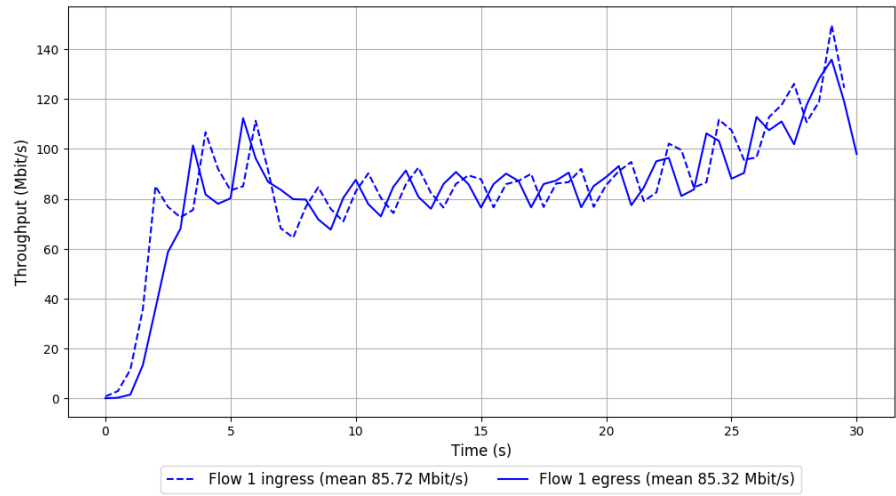
-- Flow 1:

Average throughput: 85.32 Mbit/s

95th percentile per-packet one-way delay: 112.265 ms

Loss rate: 1.23%

Run 10: Report of TCP Cubic — Data Link

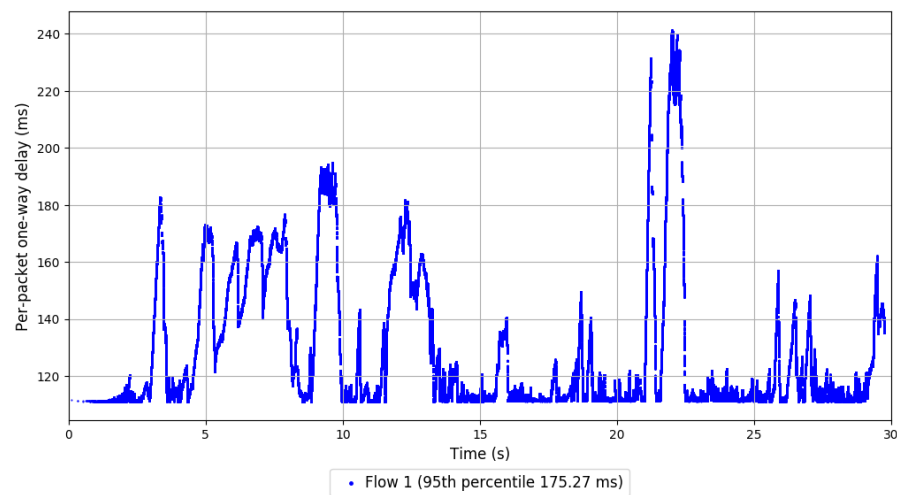
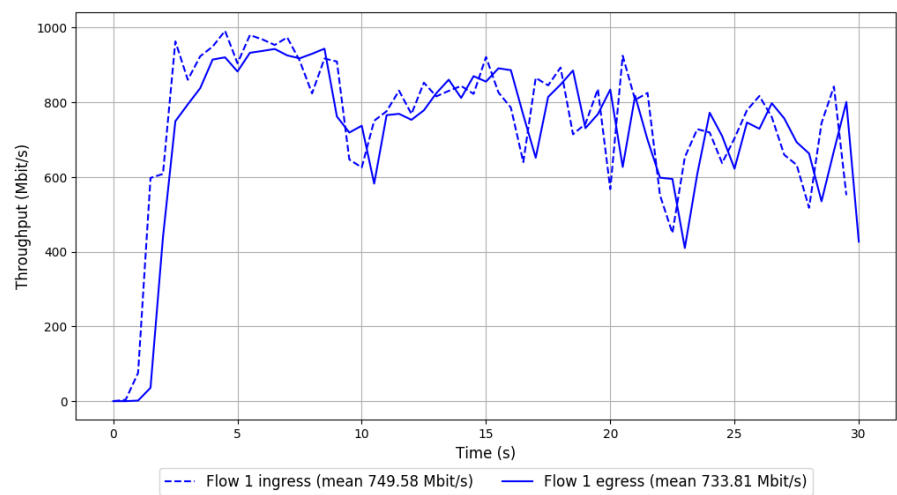


Run 1: Statistics of FillP

Start at: 2018-08-09 14:12:07
End at: 2018-08-09 14:12:37
Local clock offset: -0.393 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-08-09 18:24:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 733.81 Mbit/s
95th percentile per-packet one-way delay: 175.266 ms
Loss rate: 2.84%
-- Flow 1:
Average throughput: 733.81 Mbit/s
95th percentile per-packet one-way delay: 175.266 ms
Loss rate: 2.84%

Run 1: Report of FillP — Data Link

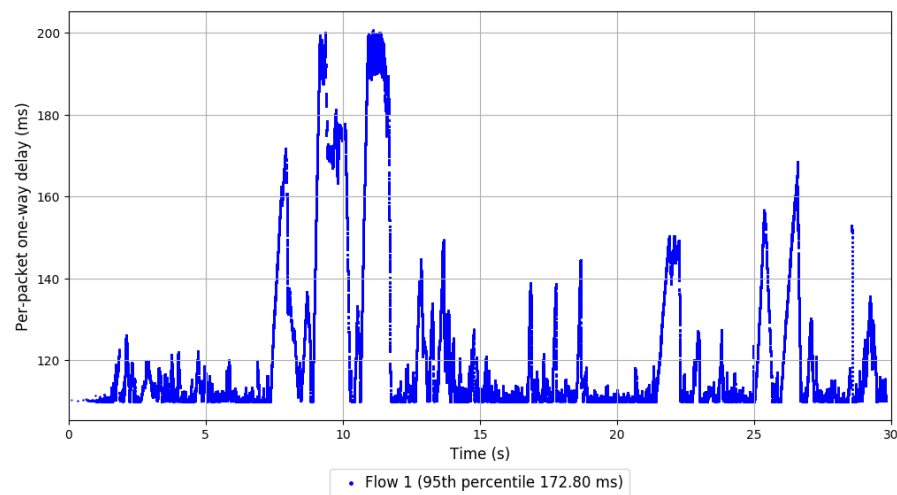
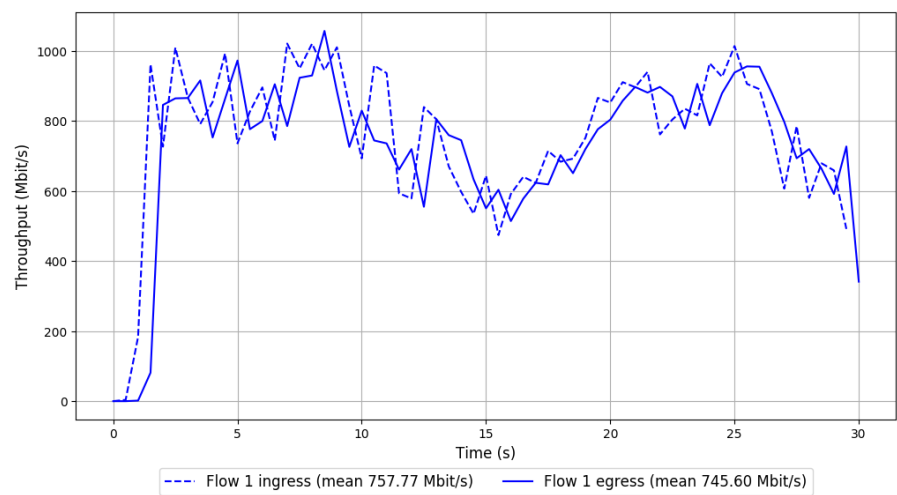


Run 2: Statistics of FillP

Start at: 2018-08-09 14:34:43
End at: 2018-08-09 14:35:13
Local clock offset: -0.3 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-08-09 18:24:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 745.60 Mbit/s
95th percentile per-packet one-way delay: 172.796 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 745.60 Mbit/s
95th percentile per-packet one-way delay: 172.796 ms
Loss rate: 2.34%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-08-09 14:57:21

End at: 2018-08-09 14:57:51

Local clock offset: -0.203 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-08-09 18:25:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 734.65 Mbit/s

95th percentile per-packet one-way delay: 192.112 ms

Loss rate: 7.04%

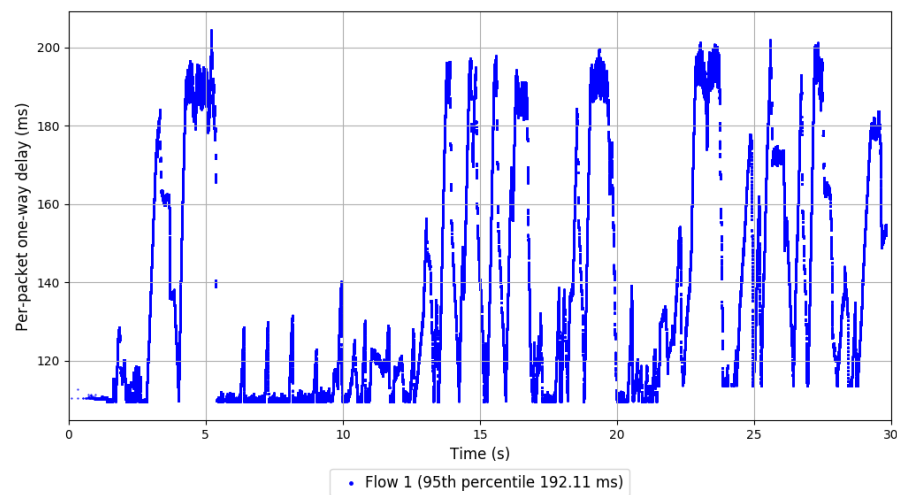
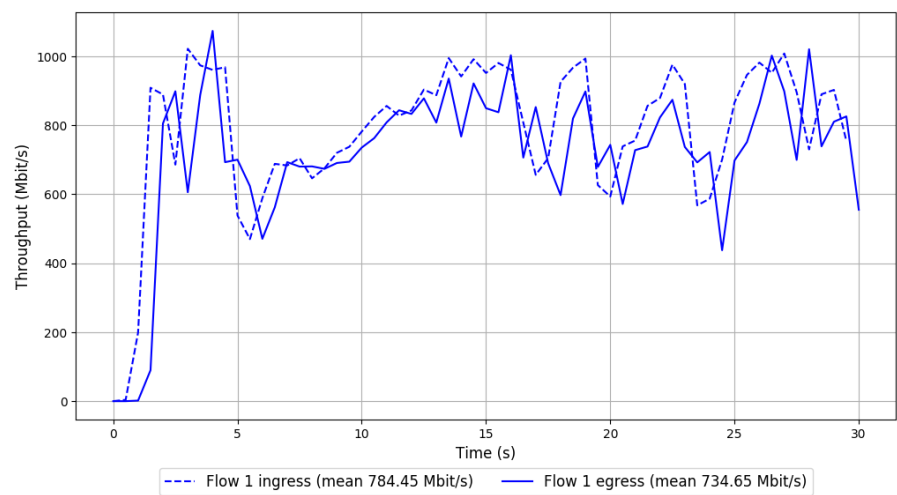
-- Flow 1:

Average throughput: 734.65 Mbit/s

95th percentile per-packet one-way delay: 192.112 ms

Loss rate: 7.04%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-08-09 15:19:54

End at: 2018-08-09 15:20:24

Local clock offset: -1.278 ms

Remote clock offset: 0.225 ms

Below is generated by plot.py at 2018-08-09 18:25:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 644.41 Mbit/s

95th percentile per-packet one-way delay: 161.163 ms

Loss rate: 1.11%

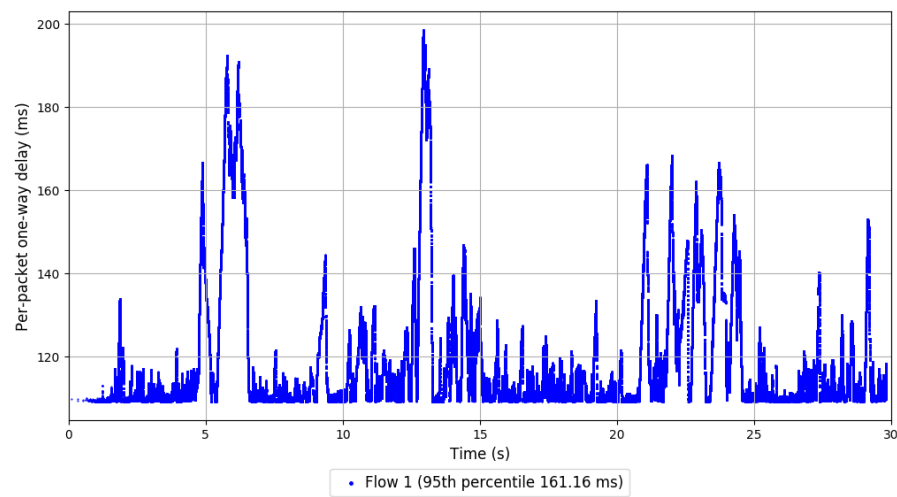
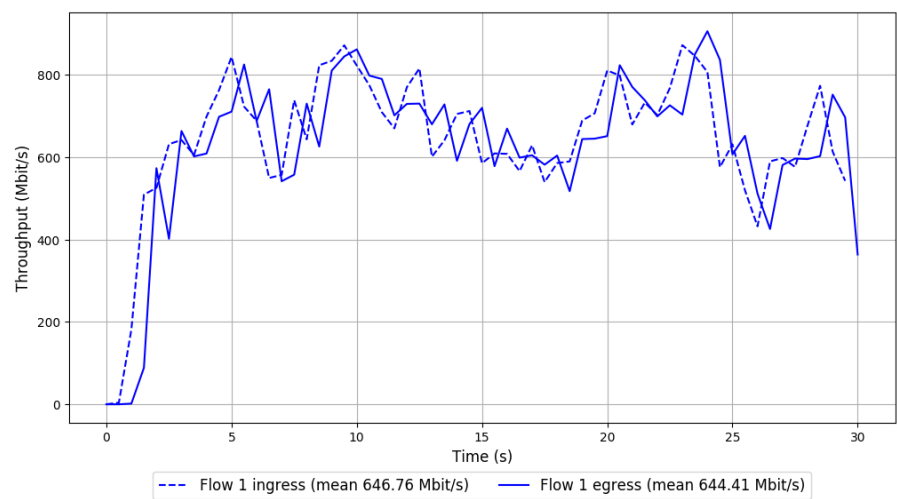
-- Flow 1:

Average throughput: 644.41 Mbit/s

95th percentile per-packet one-way delay: 161.163 ms

Loss rate: 1.11%

Run 4: Report of FillP — Data Link

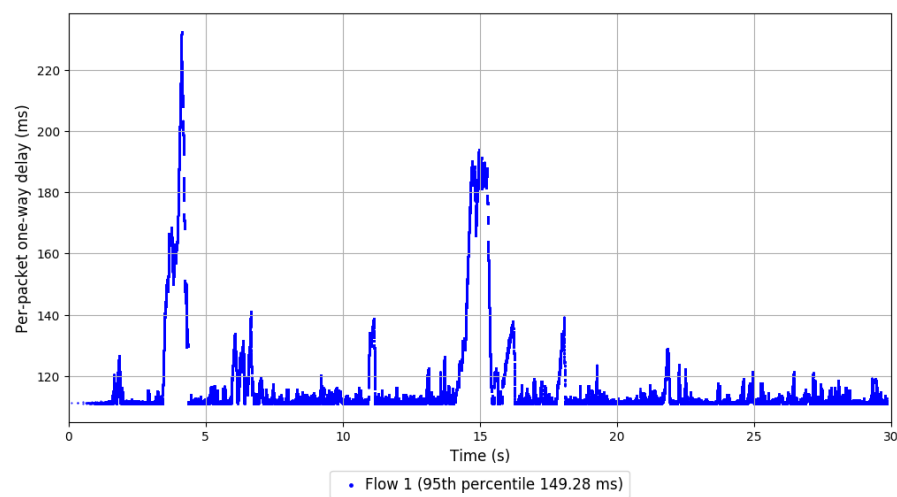
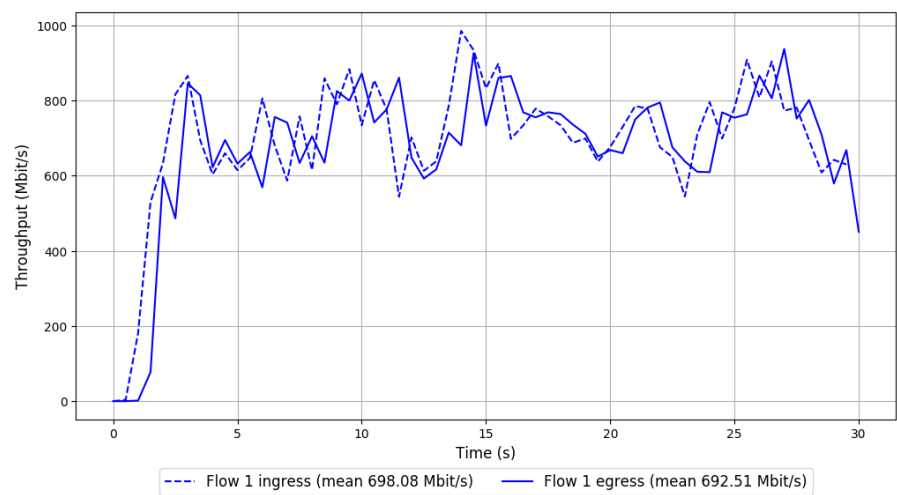


Run 5: Statistics of FillP

Start at: 2018-08-09 15:42:17
End at: 2018-08-09 15:42:47
Local clock offset: 0.118 ms
Remote clock offset: -0.249 ms

Below is generated by plot.py at 2018-08-09 18:25:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 692.51 Mbit/s
95th percentile per-packet one-way delay: 149.281 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 692.51 Mbit/s
95th percentile per-packet one-way delay: 149.281 ms
Loss rate: 1.54%

Run 5: Report of FillP — Data Link

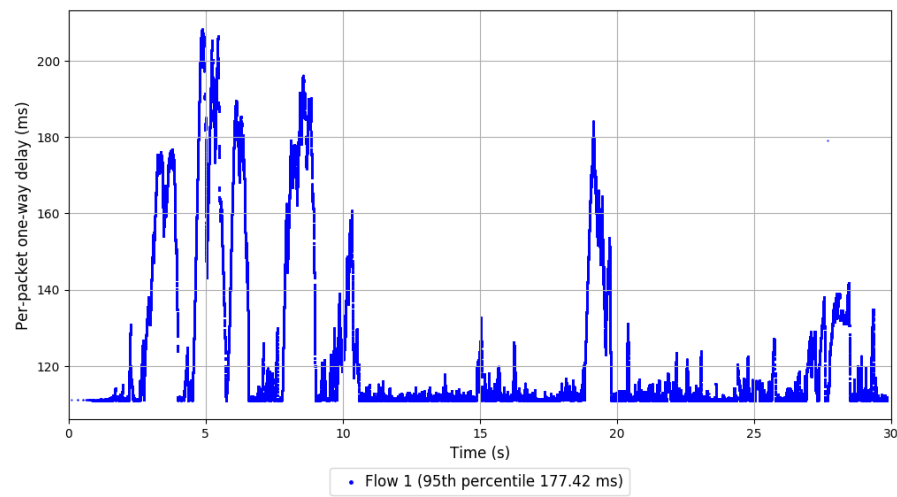
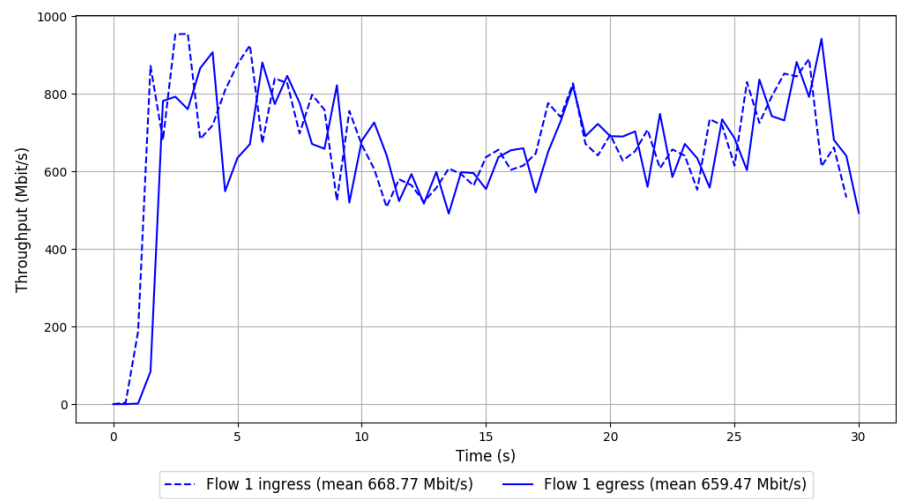


Run 6: Statistics of FillP

Start at: 2018-08-09 16:04:32
End at: 2018-08-09 16:05:02
Local clock offset: -0.109 ms
Remote clock offset: -0.179 ms

Below is generated by plot.py at 2018-08-09 18:25:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 659.47 Mbit/s
95th percentile per-packet one-way delay: 177.416 ms
Loss rate: 2.12%
-- Flow 1:
Average throughput: 659.47 Mbit/s
95th percentile per-packet one-way delay: 177.416 ms
Loss rate: 2.12%

Run 6: Report of FillP — Data Link

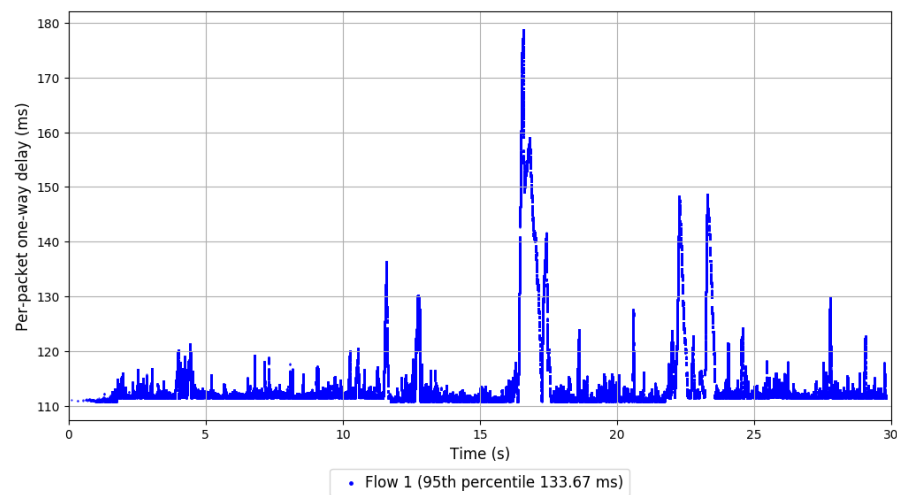
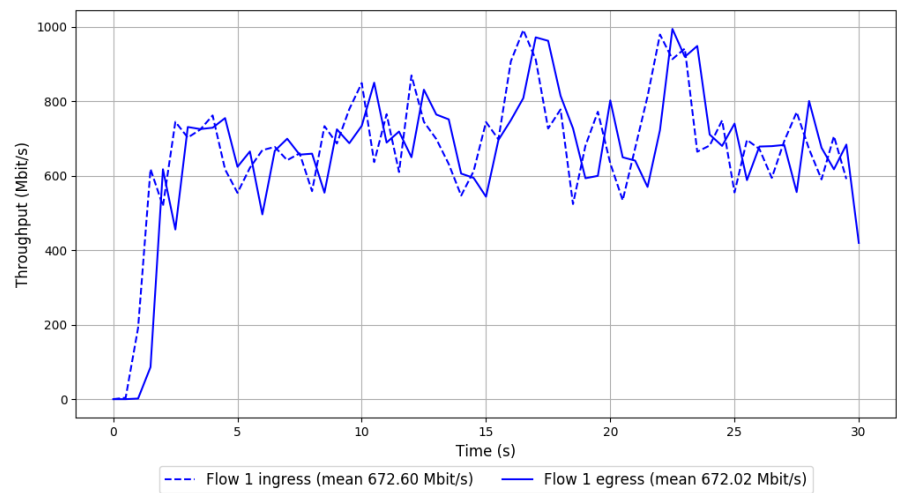


Run 7: Statistics of FillP

Start at: 2018-08-09 16:26:40
End at: 2018-08-09 16:27:10
Local clock offset: 0.134 ms
Remote clock offset: -0.488 ms

Below is generated by plot.py at 2018-08-09 18:25:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 672.02 Mbit/s
95th percentile per-packet one-way delay: 133.674 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 672.02 Mbit/s
95th percentile per-packet one-way delay: 133.674 ms
Loss rate: 0.83%

Run 7: Report of FillP — Data Link

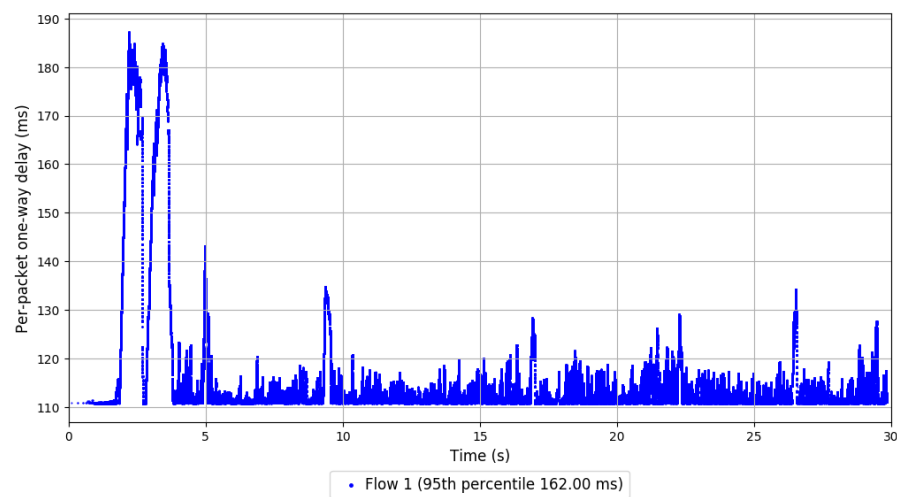
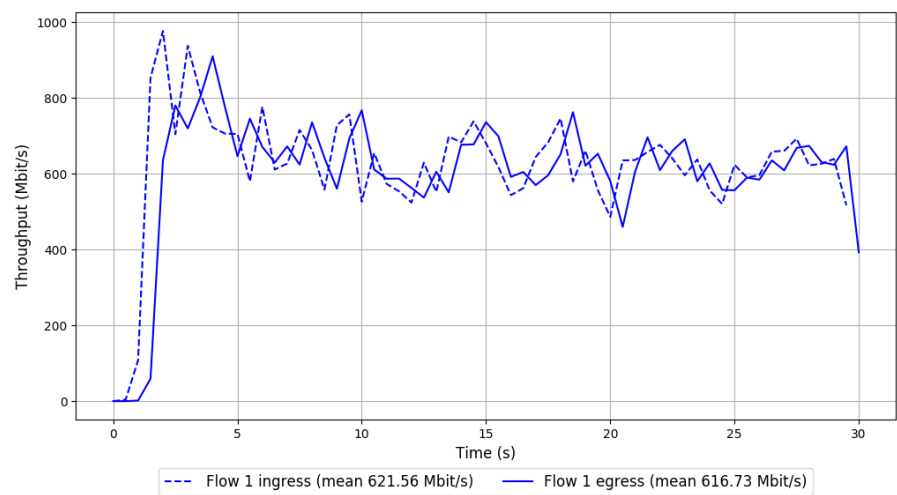


Run 8: Statistics of FillP

Start at: 2018-08-09 16:48:48
End at: 2018-08-09 16:49:18
Local clock offset: -0.629 ms
Remote clock offset: -0.555 ms

Below is generated by plot.py at 2018-08-09 18:25:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 616.73 Mbit/s
95th percentile per-packet one-way delay: 161.998 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 616.73 Mbit/s
95th percentile per-packet one-way delay: 161.998 ms
Loss rate: 1.52%

Run 8: Report of FillP — Data Link

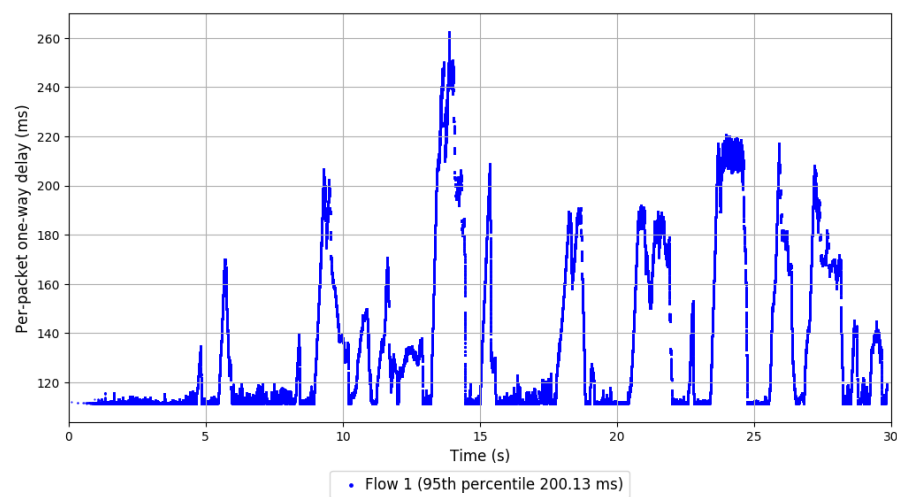
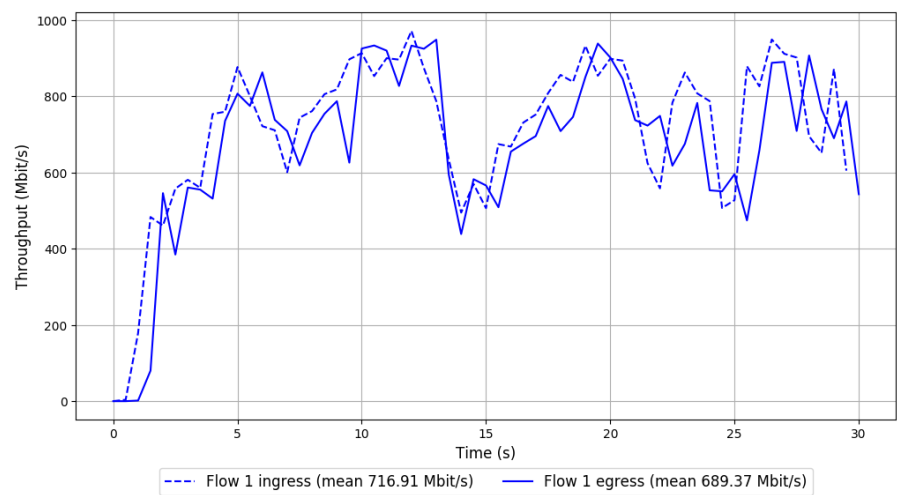


Run 9: Statistics of FillP

Start at: 2018-08-09 17:11:30
End at: 2018-08-09 17:12:00
Local clock offset: 0.028 ms
Remote clock offset: -0.673 ms

Below is generated by plot.py at 2018-08-09 18:37:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 689.37 Mbit/s
95th percentile per-packet one-way delay: 200.129 ms
Loss rate: 4.56%
-- Flow 1:
Average throughput: 689.37 Mbit/s
95th percentile per-packet one-way delay: 200.129 ms
Loss rate: 4.56%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-08-09 17:33:56

End at: 2018-08-09 17:34:26

Local clock offset: 0.823 ms

Remote clock offset: 0.118 ms

Below is generated by plot.py at 2018-08-09 18:37:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 618.58 Mbit/s

95th percentile per-packet one-way delay: 147.739 ms

Loss rate: 1.21%

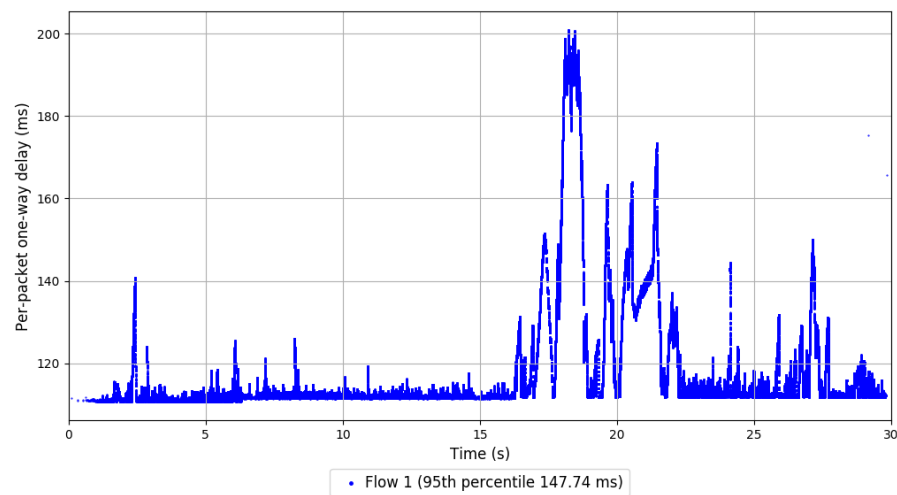
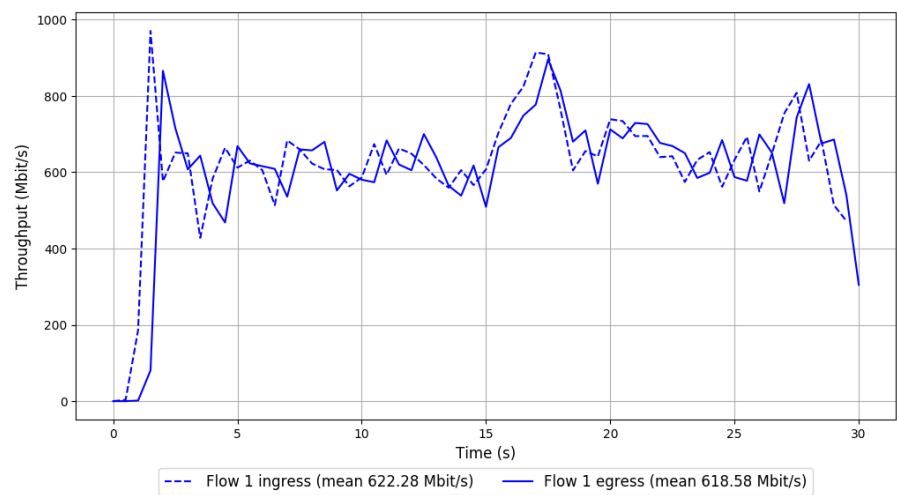
-- Flow 1:

Average throughput: 618.58 Mbit/s

95th percentile per-packet one-way delay: 147.739 ms

Loss rate: 1.21%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-08-09 14:04:54

End at: 2018-08-09 14:05:24

Local clock offset: 1.061 ms

Remote clock offset: -0.144 ms

Below is generated by plot.py at 2018-08-09 18:38:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 785.55 Mbit/s

95th percentile per-packet one-way delay: 168.903 ms

Loss rate: 1.83%

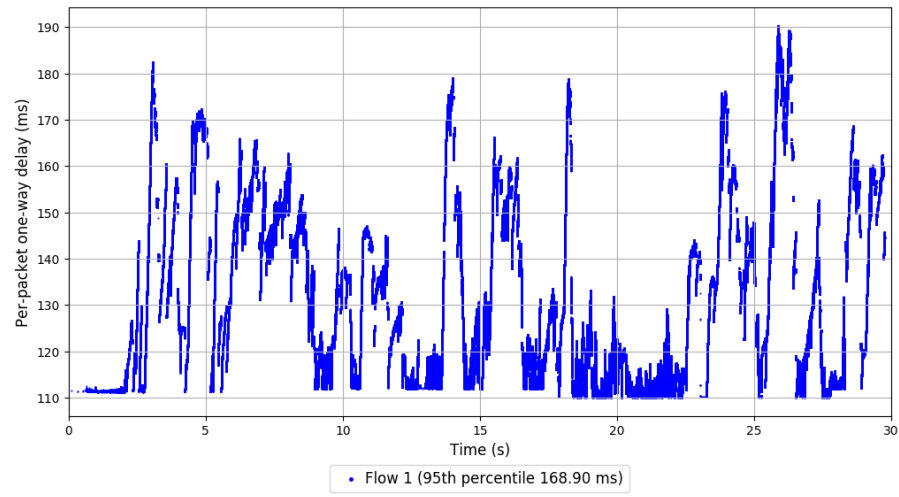
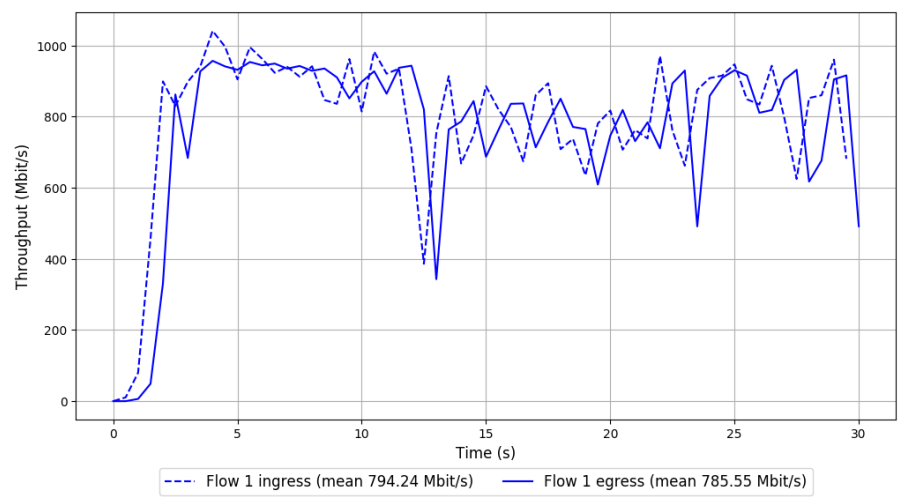
-- Flow 1:

Average throughput: 785.55 Mbit/s

95th percentile per-packet one-way delay: 168.903 ms

Loss rate: 1.83%

Run 1: Report of FillP-Sheep — Data Link

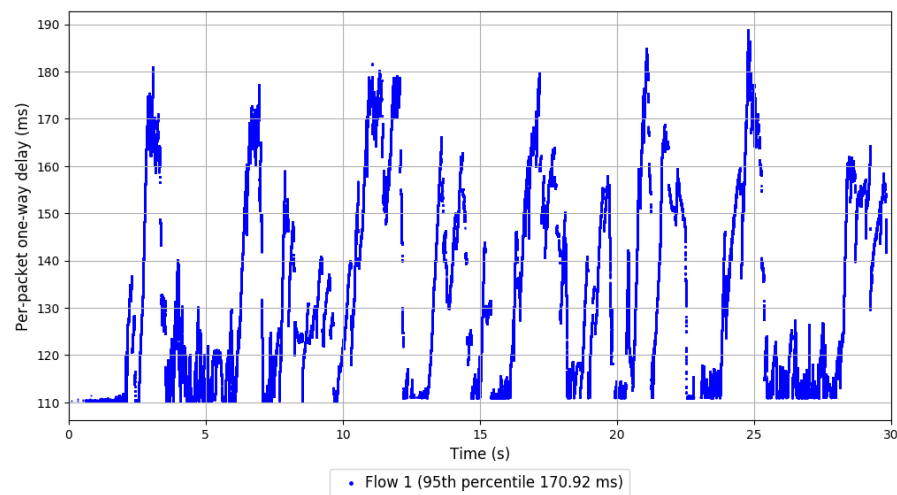
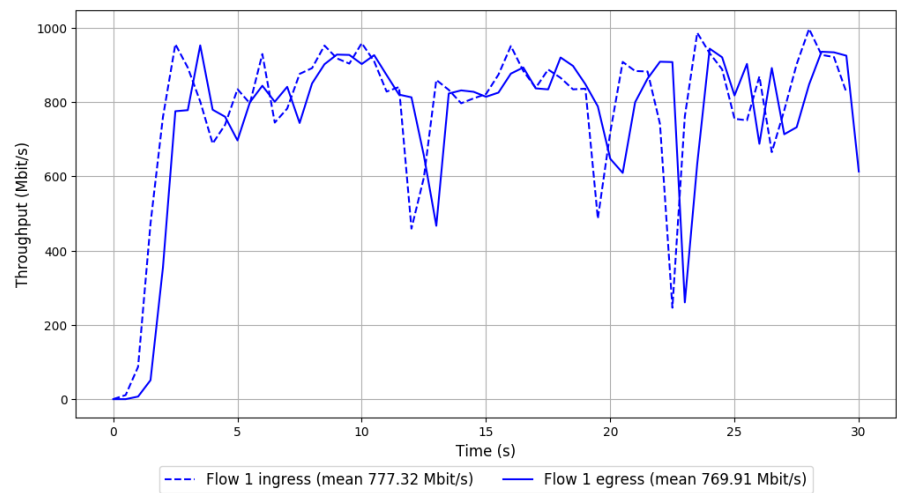


Run 2: Statistics of FillP-Sheep

Start at: 2018-08-09 14:27:32
End at: 2018-08-09 14:28:02
Local clock offset: -0.458 ms
Remote clock offset: -0.467 ms

Below is generated by plot.py at 2018-08-09 18:38:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 769.91 Mbit/s
95th percentile per-packet one-way delay: 170.924 ms
Loss rate: 1.69%
-- Flow 1:
Average throughput: 769.91 Mbit/s
95th percentile per-packet one-way delay: 170.924 ms
Loss rate: 1.69%

Run 2: Report of FillP-Sheep — Data Link

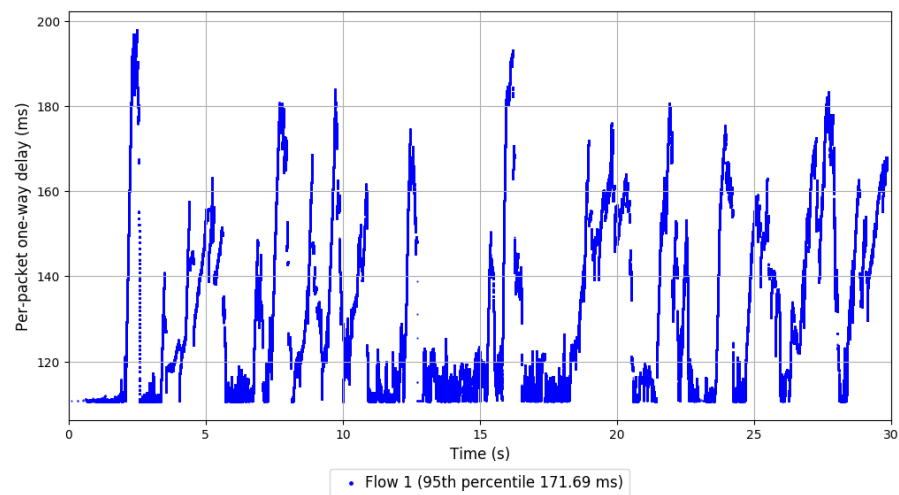
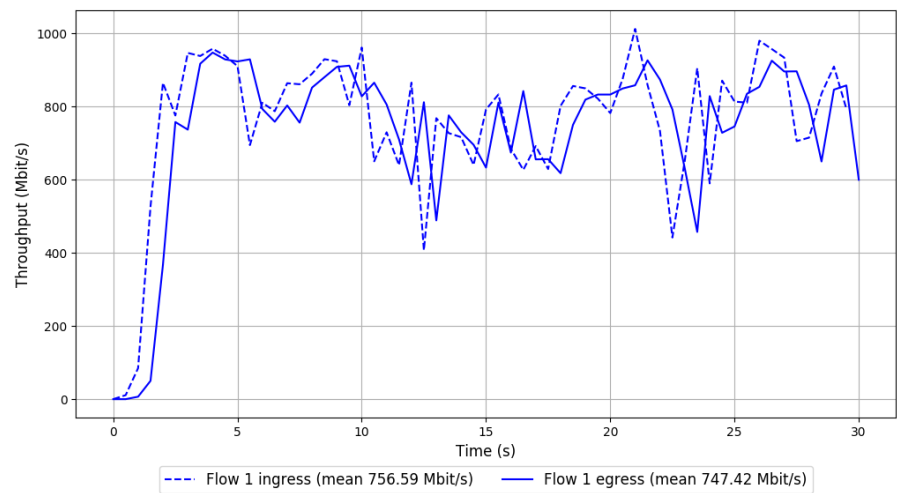


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-09 14:50:13
End at: 2018-08-09 14:50:43
Local clock offset: -0.428 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-08-09 18:38:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 747.42 Mbit/s
95th percentile per-packet one-way delay: 171.692 ms
Loss rate: 1.95%
-- Flow 1:
Average throughput: 747.42 Mbit/s
95th percentile per-packet one-way delay: 171.692 ms
Loss rate: 1.95%

Run 3: Report of FillP-Sheep — Data Link

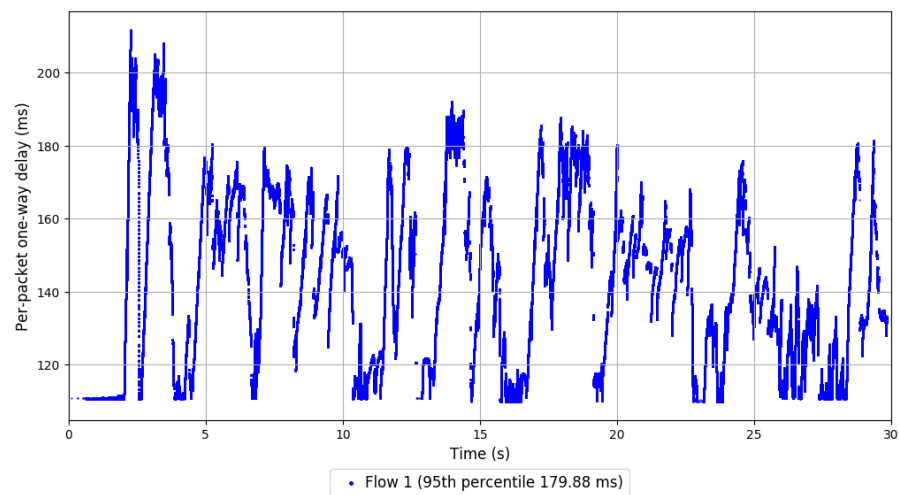
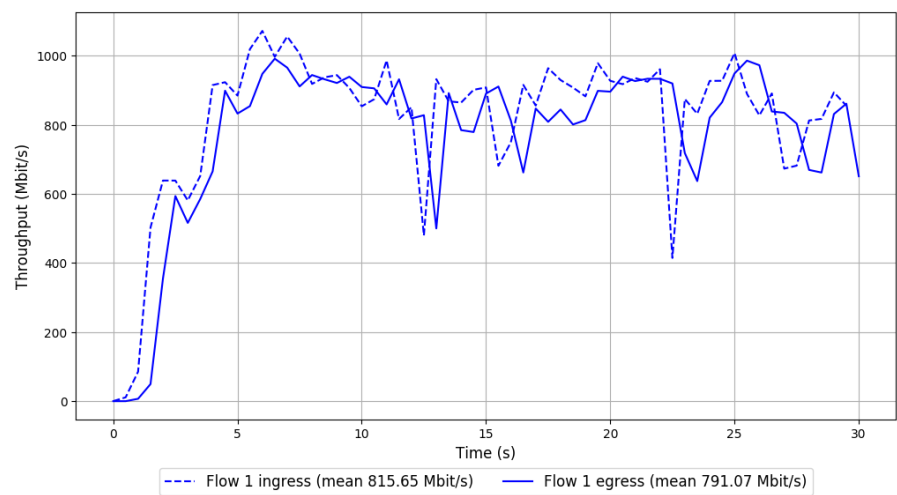


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-09 15:12:57
End at: 2018-08-09 15:13:27
Local clock offset: -0.471 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-08-09 18:40:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 791.07 Mbit/s
95th percentile per-packet one-way delay: 179.877 ms
Loss rate: 3.74%
-- Flow 1:
Average throughput: 791.07 Mbit/s
95th percentile per-packet one-way delay: 179.877 ms
Loss rate: 3.74%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-08-09 15:35:13

End at: 2018-08-09 15:35:43

Local clock offset: -0.049 ms

Remote clock offset: 0.12 ms

Below is generated by plot.py at 2018-08-09 18:40:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 697.65 Mbit/s

95th percentile per-packet one-way delay: 180.728 ms

Loss rate: 2.43%

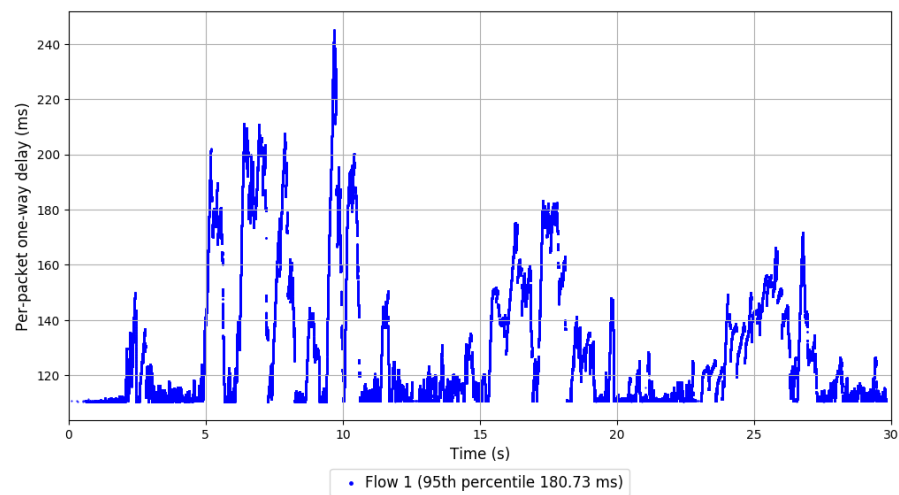
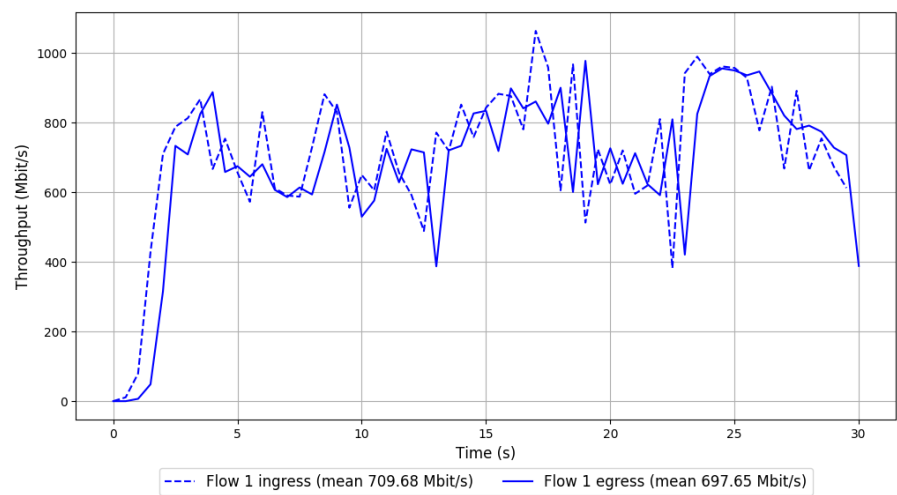
-- Flow 1:

Average throughput: 697.65 Mbit/s

95th percentile per-packet one-way delay: 180.728 ms

Loss rate: 2.43%

Run 5: Report of FillP-Sheep — Data Link

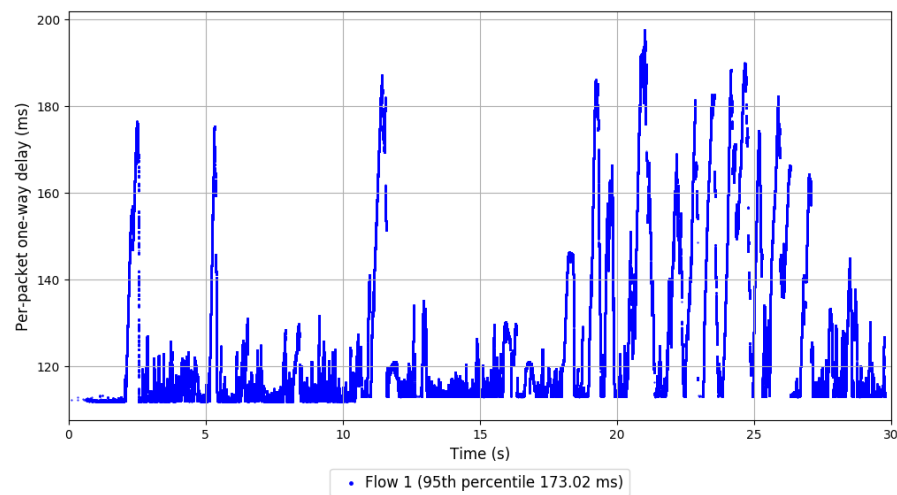
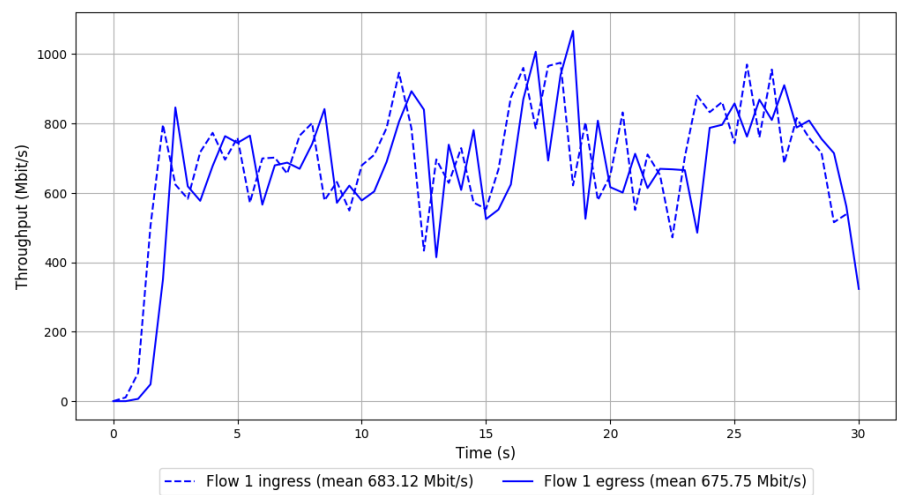


Run 6: Statistics of FillP-Sheep

Start at: 2018-08-09 15:57:31
End at: 2018-08-09 15:58:02
Local clock offset: 0.654 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-08-09 18:40:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 675.75 Mbit/s
95th percentile per-packet one-way delay: 173.022 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 675.75 Mbit/s
95th percentile per-packet one-way delay: 173.022 ms
Loss rate: 1.82%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-08-09 16:19:38

End at: 2018-08-09 16:20:08

Local clock offset: 0.654 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-08-09 18:48:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 647.35 Mbit/s

95th percentile per-packet one-way delay: 191.029 ms

Loss rate: 3.27%

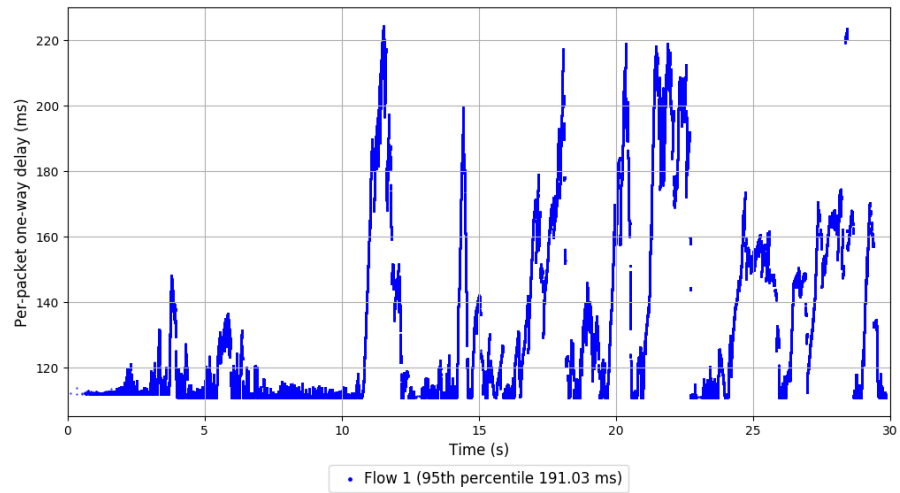
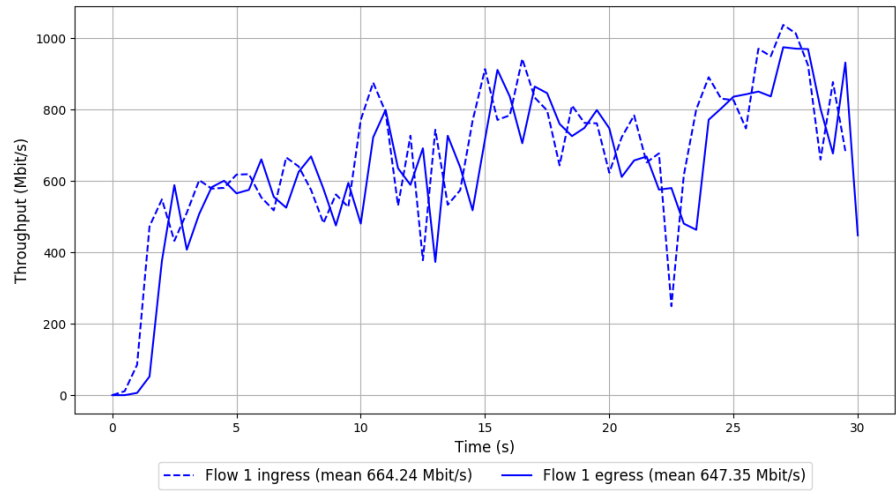
-- Flow 1:

Average throughput: 647.35 Mbit/s

95th percentile per-packet one-way delay: 191.029 ms

Loss rate: 3.27%

Run 7: Report of FillP-Sheep — Data Link

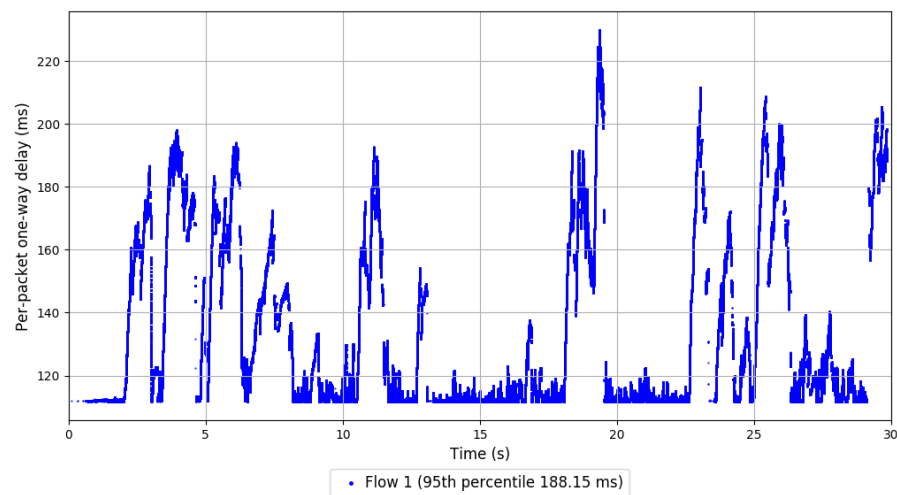
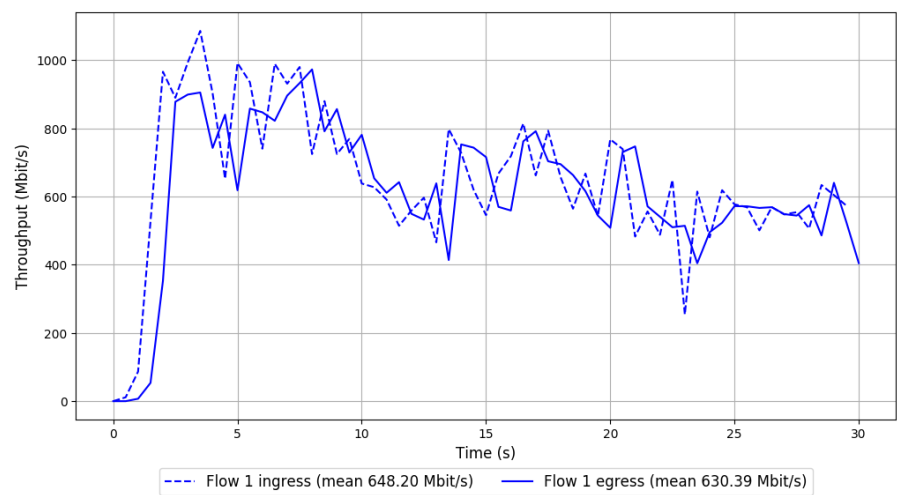


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-09 16:41:57
End at: 2018-08-09 16:42:27
Local clock offset: 0.484 ms
Remote clock offset: -0.527 ms

Below is generated by plot.py at 2018-08-09 18:49:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 630.39 Mbit/s
95th percentile per-packet one-way delay: 188.151 ms
Loss rate: 3.47%
-- Flow 1:
Average throughput: 630.39 Mbit/s
95th percentile per-packet one-way delay: 188.151 ms
Loss rate: 3.47%

Run 8: Report of FillP-Sheep — Data Link

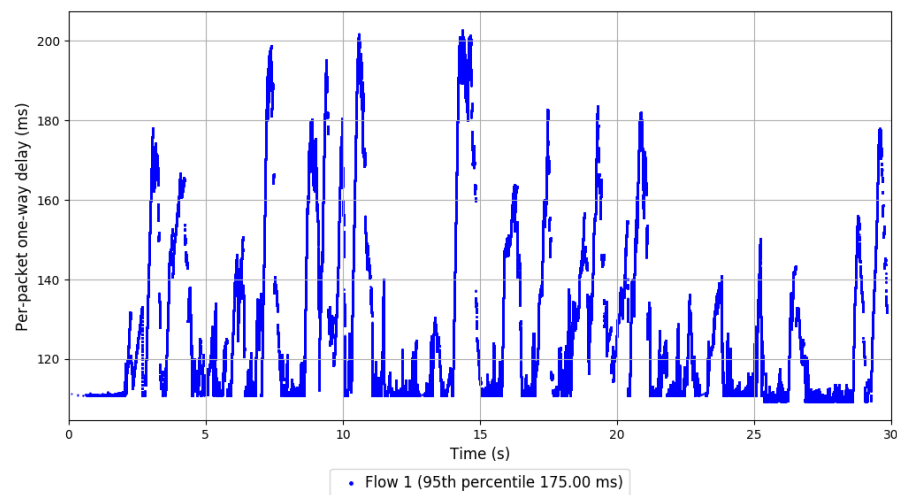
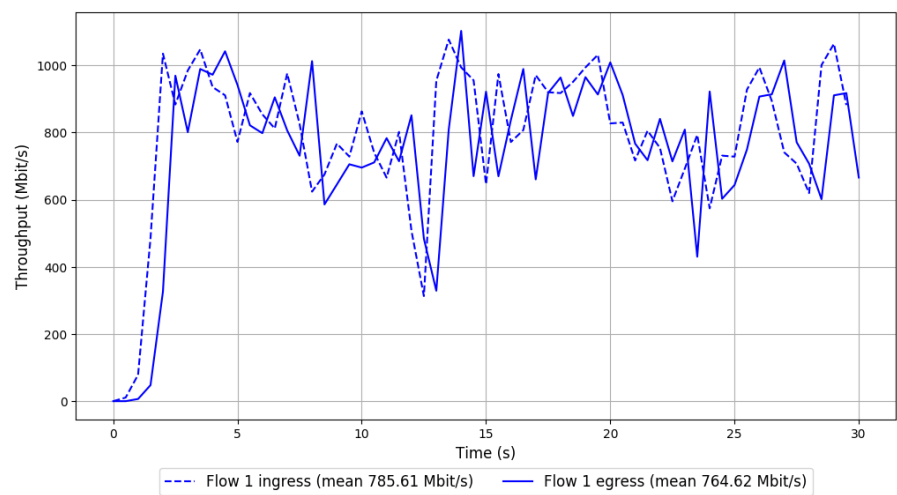


Run 9: Statistics of FillP-Sheep

Start at: 2018-08-09 17:04:07
End at: 2018-08-09 17:04:37
Local clock offset: -0.138 ms
Remote clock offset: -0.234 ms

Below is generated by plot.py at 2018-08-09 18:53:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 764.62 Mbit/s
95th percentile per-packet one-way delay: 175.005 ms
Loss rate: 3.37%
-- Flow 1:
Average throughput: 764.62 Mbit/s
95th percentile per-packet one-way delay: 175.005 ms
Loss rate: 3.37%

Run 9: Report of FillP-Sheep — Data Link

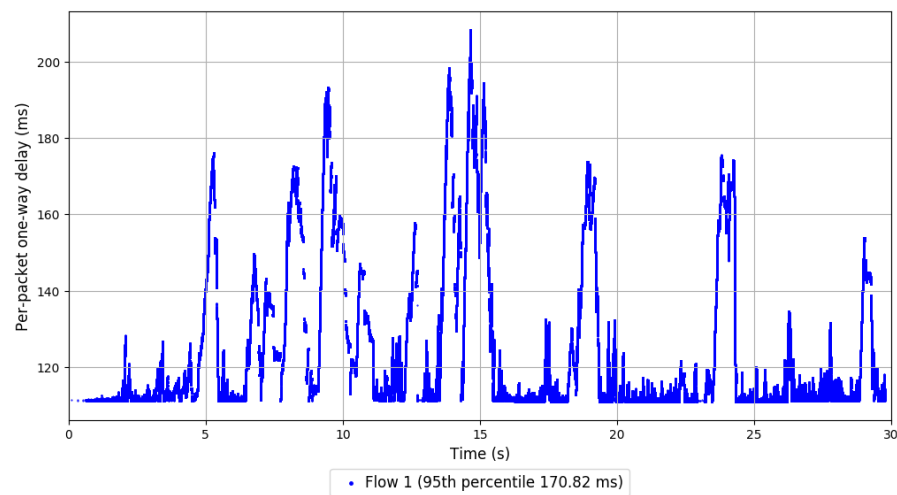
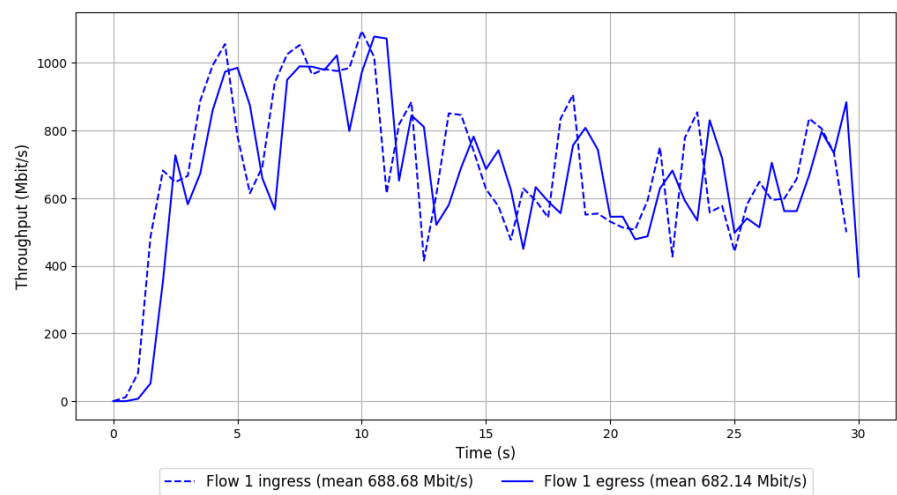


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-09 17:26:56
End at: 2018-08-09 17:27:26
Local clock offset: 1.15 ms
Remote clock offset: -0.324 ms

Below is generated by plot.py at 2018-08-09 18:53:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 682.14 Mbit/s
95th percentile per-packet one-way delay: 170.820 ms
Loss rate: 1.69%
-- Flow 1:
Average throughput: 682.14 Mbit/s
95th percentile per-packet one-way delay: 170.820 ms
Loss rate: 1.69%

Run 10: Report of FillP-Sheep — Data Link

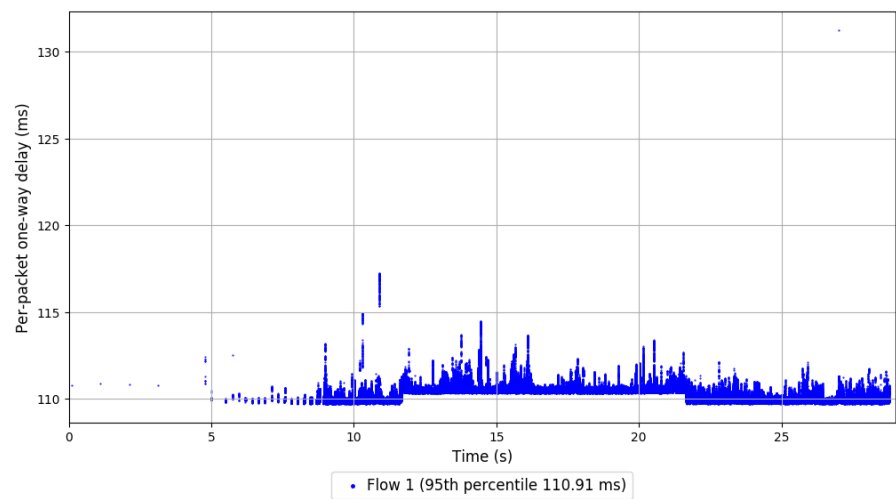
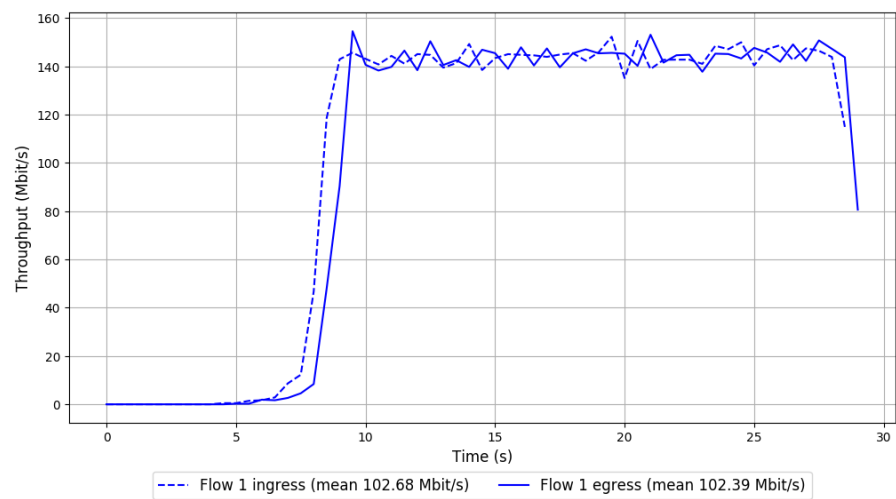


Run 1: Statistics of Indigo

Start at: 2018-08-09 14:16:19
End at: 2018-08-09 14:16:49
Local clock offset: -0.762 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2018-08-09 18:53:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 102.39 Mbit/s
95th percentile per-packet one-way delay: 110.912 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 102.39 Mbit/s
95th percentile per-packet one-way delay: 110.912 ms
Loss rate: 1.07%

Run 1: Report of Indigo — Data Link

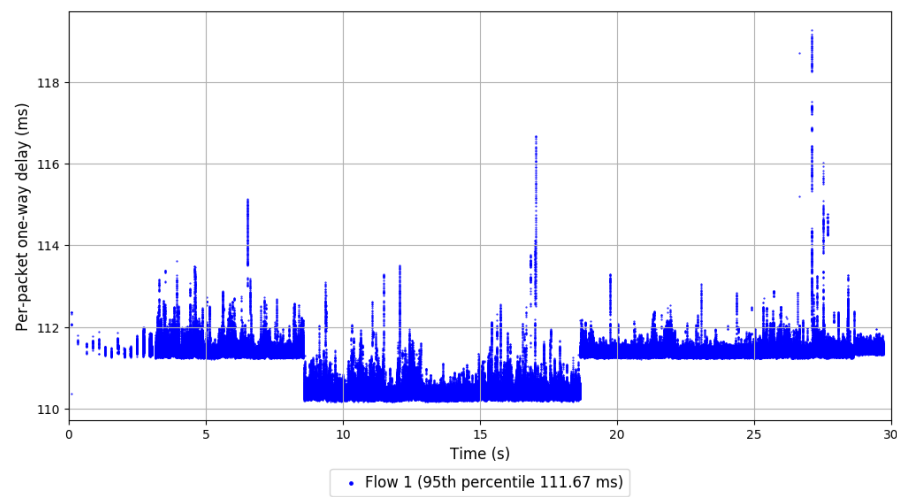
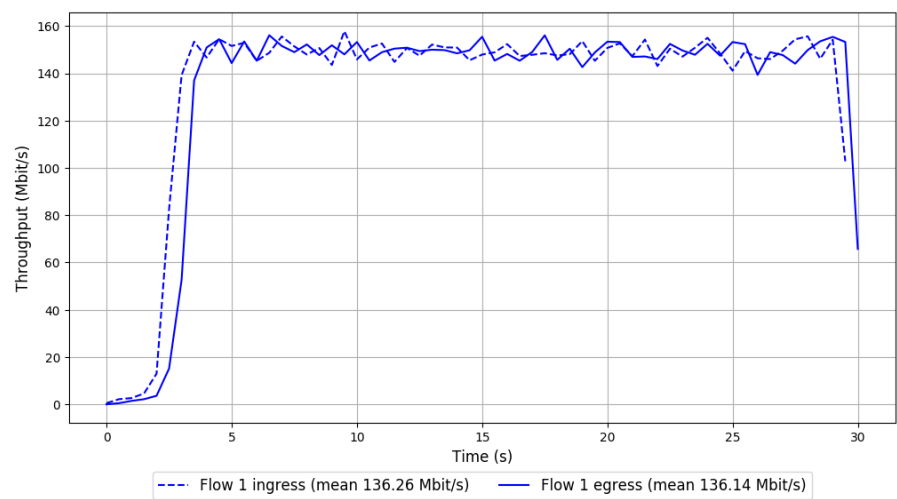


Run 2: Statistics of Indigo

Start at: 2018-08-09 14:38:53
End at: 2018-08-09 14:39:23
Local clock offset: -0.371 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2018-08-09 18:53:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 136.14 Mbit/s
95th percentile per-packet one-way delay: 111.666 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 136.14 Mbit/s
95th percentile per-packet one-way delay: 111.666 ms
Loss rate: 0.84%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-08-09 15:01:28

End at: 2018-08-09 15:01:58

Local clock offset: 0.911 ms

Remote clock offset: 0.369 ms

Below is generated by plot.py at 2018-08-09 18:53:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 168.57 Mbit/s

95th percentile per-packet one-way delay: 112.441 ms

Loss rate: 0.80%

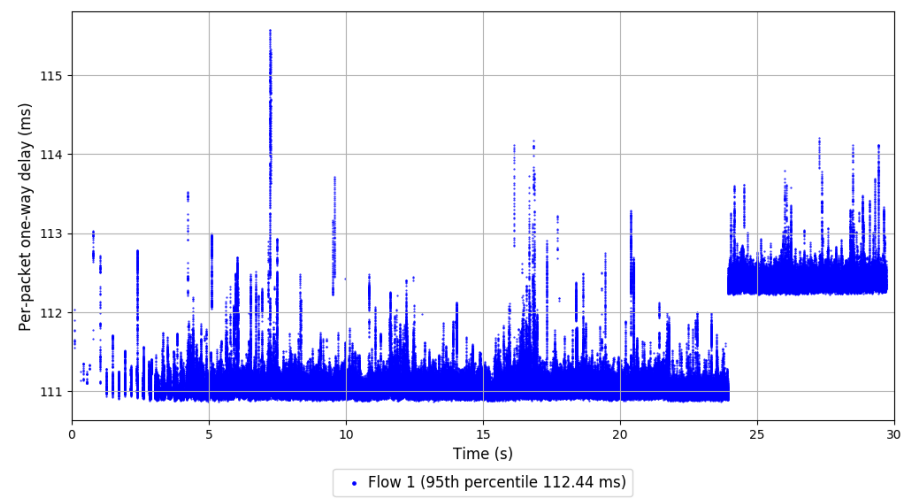
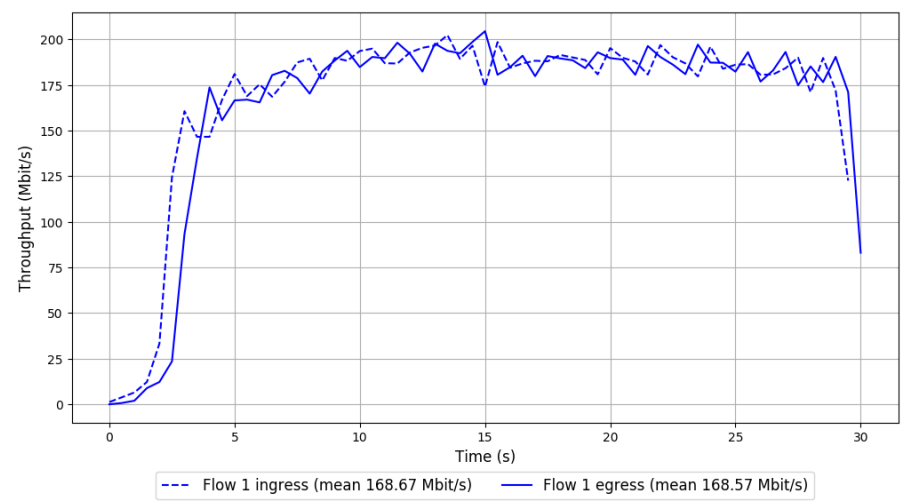
-- Flow 1:

Average throughput: 168.57 Mbit/s

95th percentile per-packet one-way delay: 112.441 ms

Loss rate: 0.80%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-08-09 15:23:56

End at: 2018-08-09 15:24:26

Local clock offset: 0.897 ms

Remote clock offset: -0.497 ms

Below is generated by plot.py at 2018-08-09 18:53:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 140.14 Mbit/s

95th percentile per-packet one-way delay: 113.003 ms

Loss rate: 0.80%

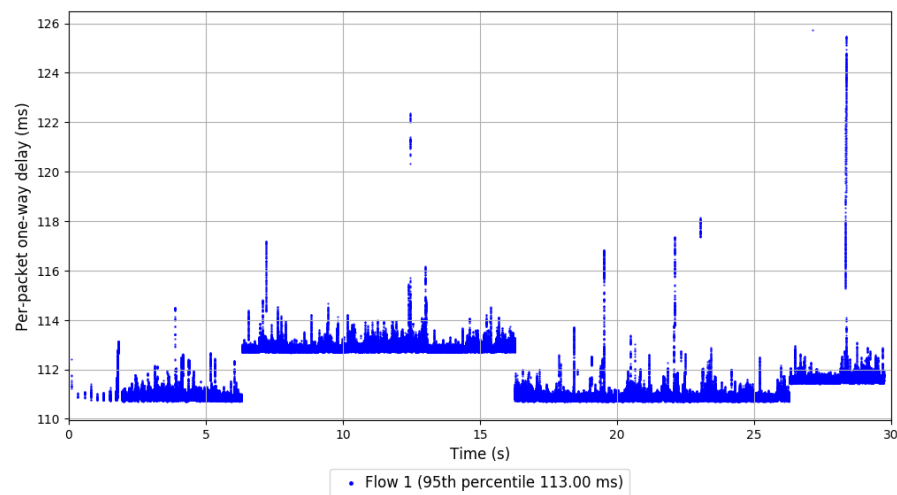
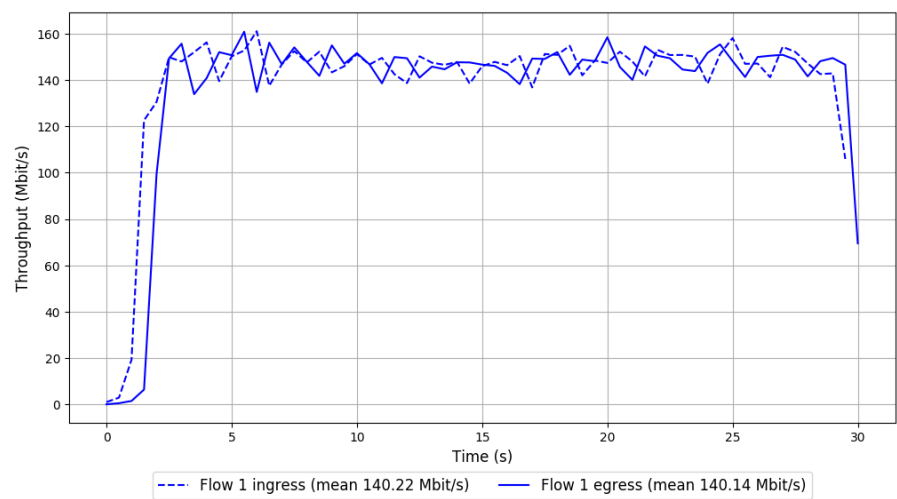
-- Flow 1:

Average throughput: 140.14 Mbit/s

95th percentile per-packet one-way delay: 113.003 ms

Loss rate: 0.80%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-08-09 15:46:23

End at: 2018-08-09 15:46:53

Local clock offset: 0.135 ms

Remote clock offset: -0.549 ms

Below is generated by plot.py at 2018-08-09 18:53:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.83 Mbit/s

95th percentile per-packet one-way delay: 113.104 ms

Loss rate: 0.67%

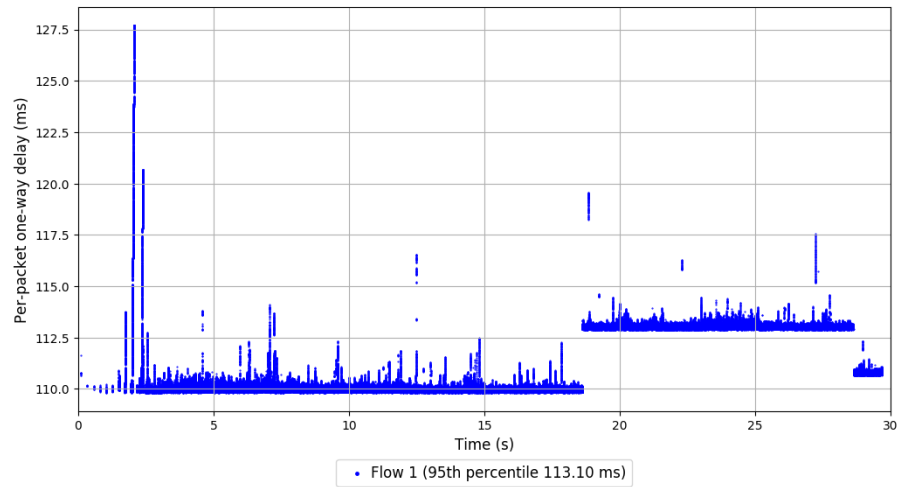
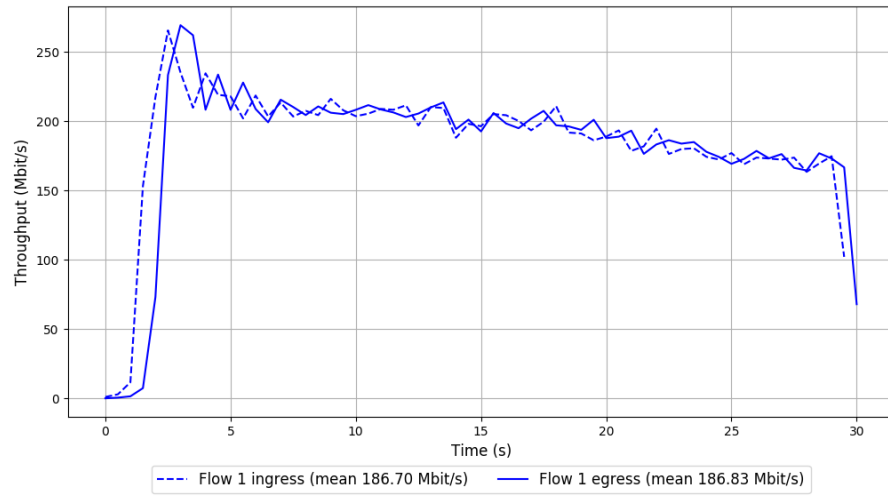
-- Flow 1:

Average throughput: 186.83 Mbit/s

95th percentile per-packet one-way delay: 113.104 ms

Loss rate: 0.67%

Run 5: Report of Indigo — Data Link

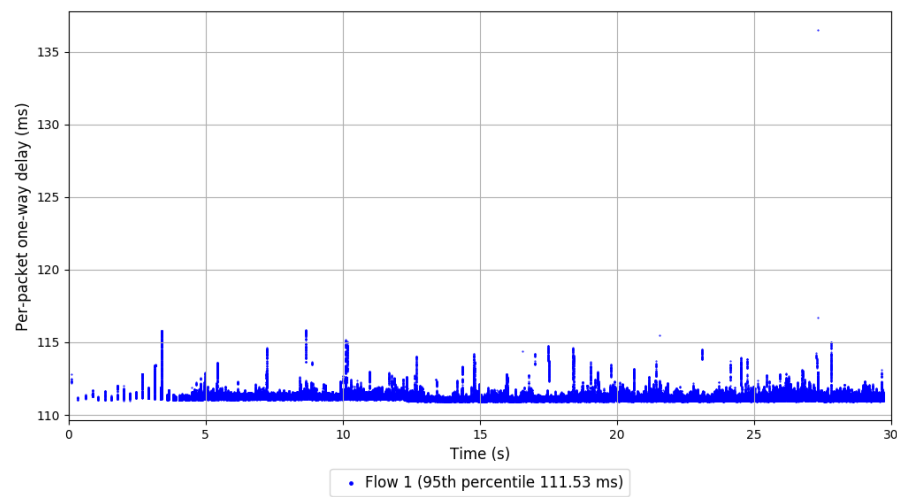
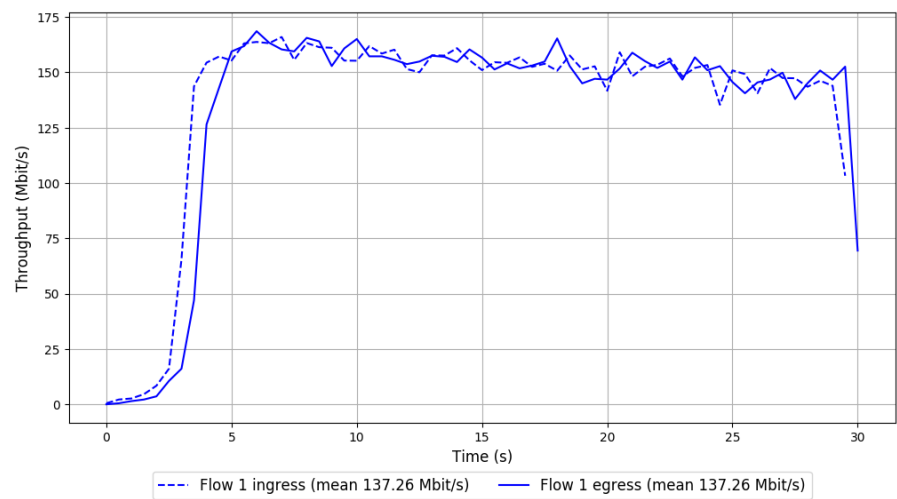


Run 6: Statistics of Indigo

Start at: 2018-08-09 16:08:40
End at: 2018-08-09 16:09:10
Local clock offset: -0.006 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-08-09 18:53:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 137.26 Mbit/s
95th percentile per-packet one-way delay: 111.526 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 137.26 Mbit/s
95th percentile per-packet one-way delay: 111.526 ms
Loss rate: 0.75%

Run 6: Report of Indigo — Data Link

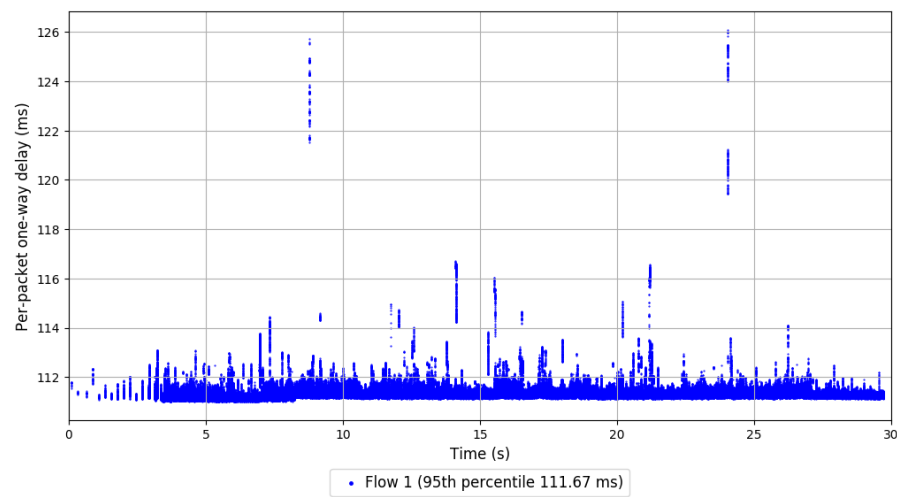
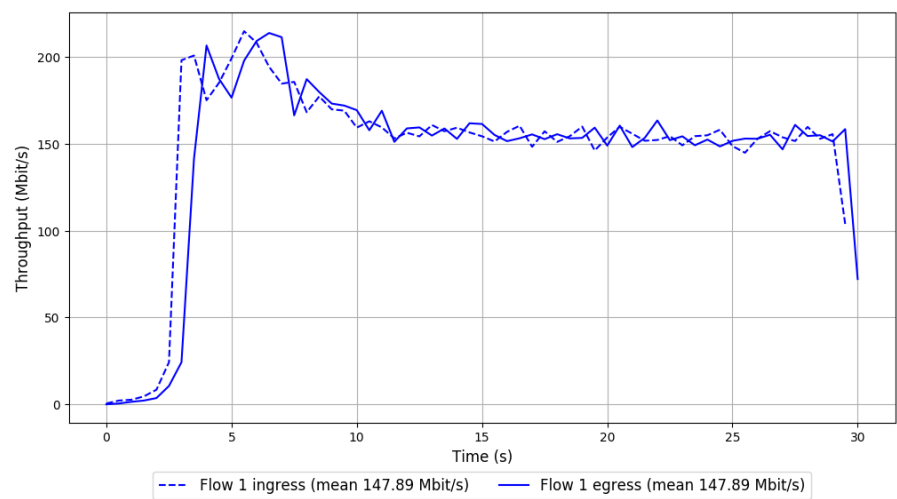


Run 7: Statistics of Indigo

Start at: 2018-08-09 16:30:44
End at: 2018-08-09 16:31:14
Local clock offset: -0.164 ms
Remote clock offset: -0.391 ms

Below is generated by plot.py at 2018-08-09 18:53:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 147.89 Mbit/s
95th percentile per-packet one-way delay: 111.665 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 147.89 Mbit/s
95th percentile per-packet one-way delay: 111.665 ms
Loss rate: 0.73%

Run 7: Report of Indigo — Data Link

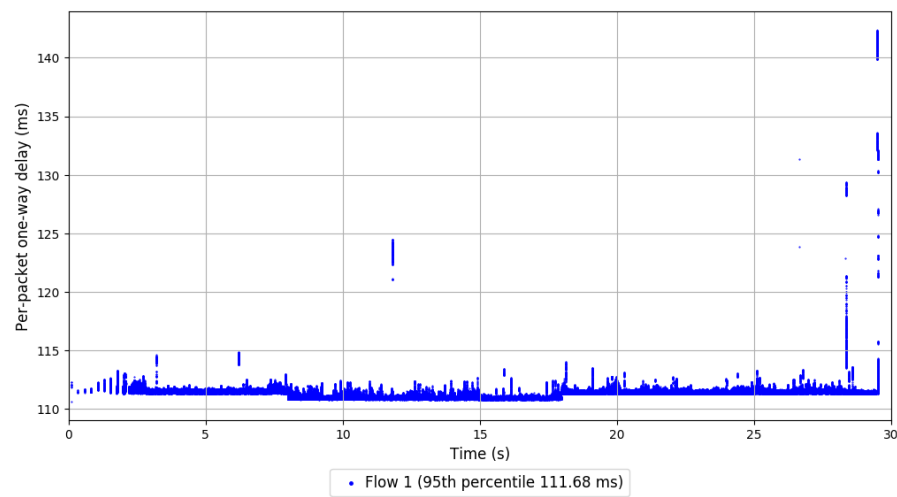
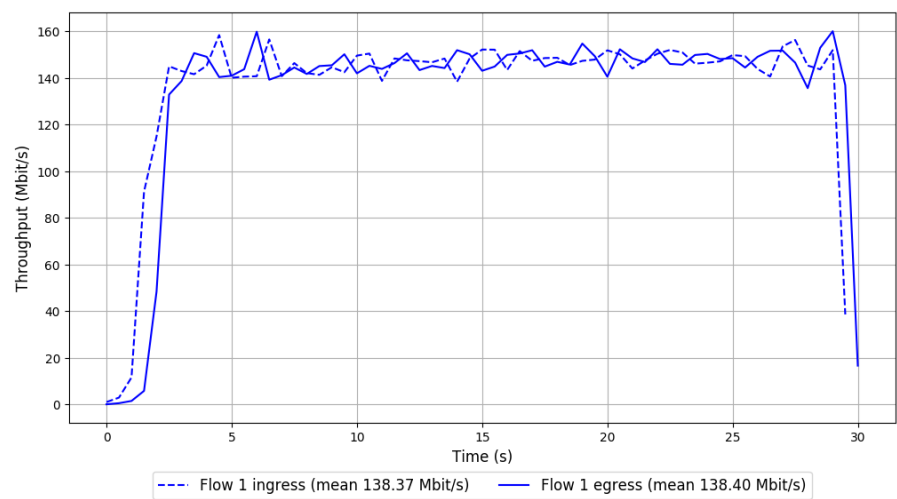


Run 8: Statistics of Indigo

Start at: 2018-08-09 16:52:54
End at: 2018-08-09 16:53:24
Local clock offset: -0.147 ms
Remote clock offset: -0.551 ms

Below is generated by plot.py at 2018-08-09 18:53:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 138.40 Mbit/s
95th percentile per-packet one-way delay: 111.680 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 138.40 Mbit/s
95th percentile per-packet one-way delay: 111.680 ms
Loss rate: 0.72%

Run 8: Report of Indigo — Data Link

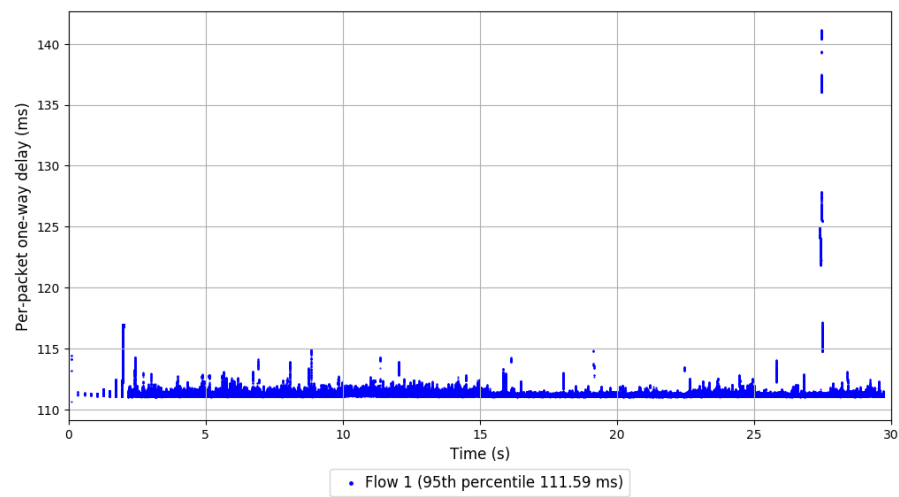
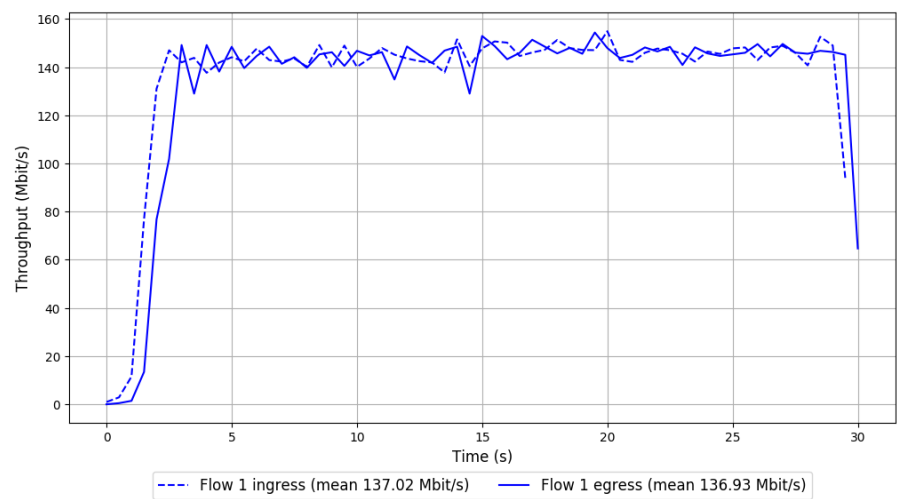


Run 9: Statistics of Indigo

Start at: 2018-08-09 17:15:36
End at: 2018-08-09 17:16:06
Local clock offset: 0.028 ms
Remote clock offset: -0.303 ms

Below is generated by plot.py at 2018-08-09 18:53:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 136.93 Mbit/s
95th percentile per-packet one-way delay: 111.590 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 136.93 Mbit/s
95th percentile per-packet one-way delay: 111.590 ms
Loss rate: 0.82%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-08-09 17:37:59

End at: 2018-08-09 17:38:29

Local clock offset: -0.574 ms

Remote clock offset: 0.177 ms

Below is generated by plot.py at 2018-08-09 18:53:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 154.99 Mbit/s

95th percentile per-packet one-way delay: 111.969 ms

Loss rate: 0.72%

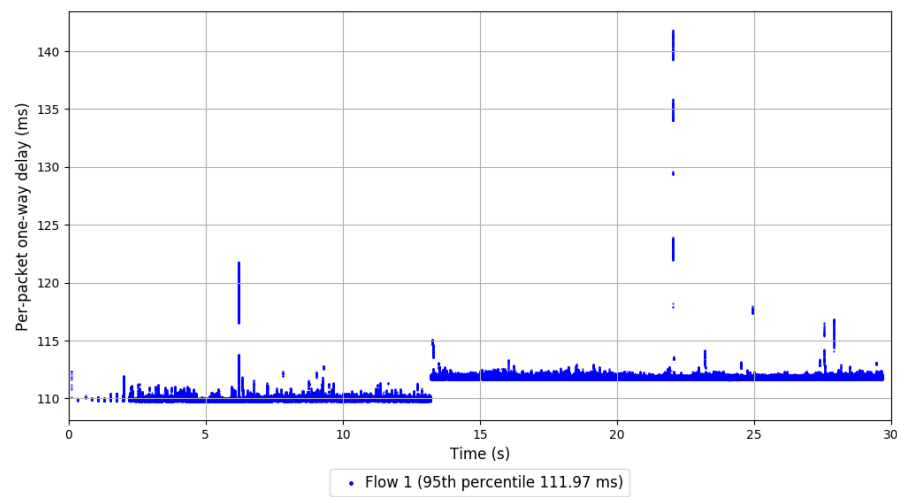
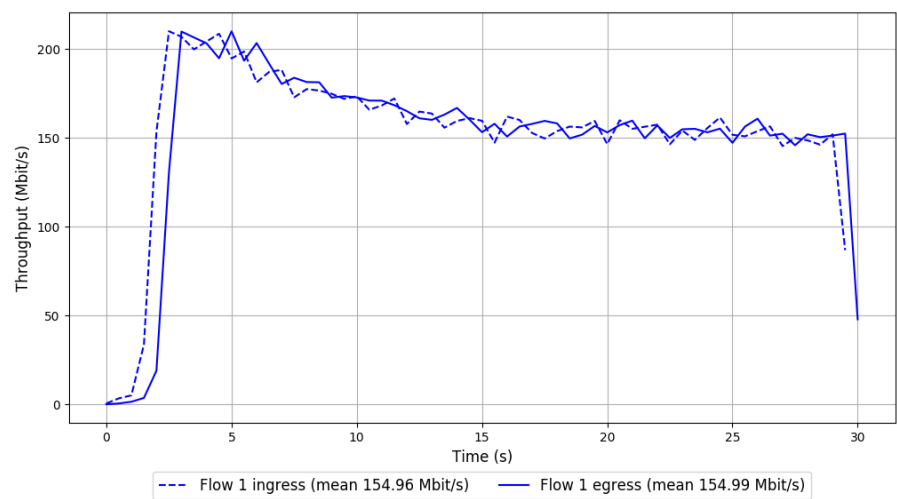
-- Flow 1:

Average throughput: 154.99 Mbit/s

95th percentile per-packet one-way delay: 111.969 ms

Loss rate: 0.72%

Run 10: Report of Indigo — Data Link

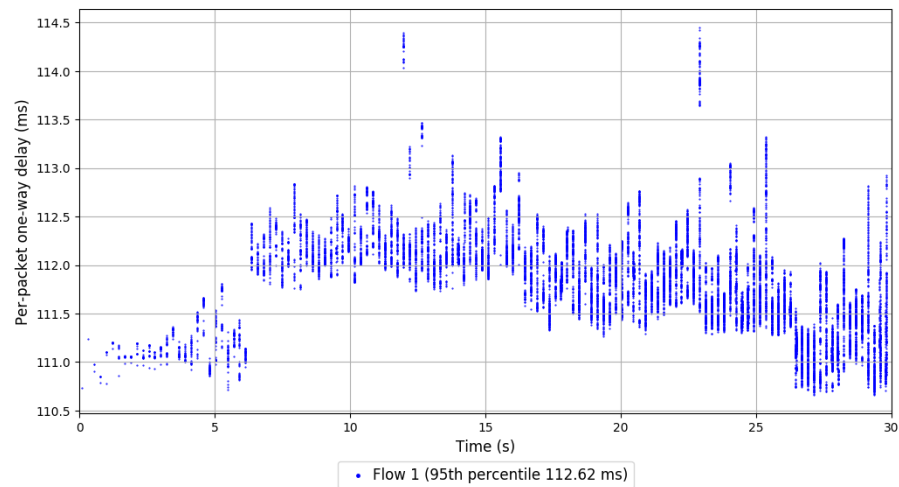
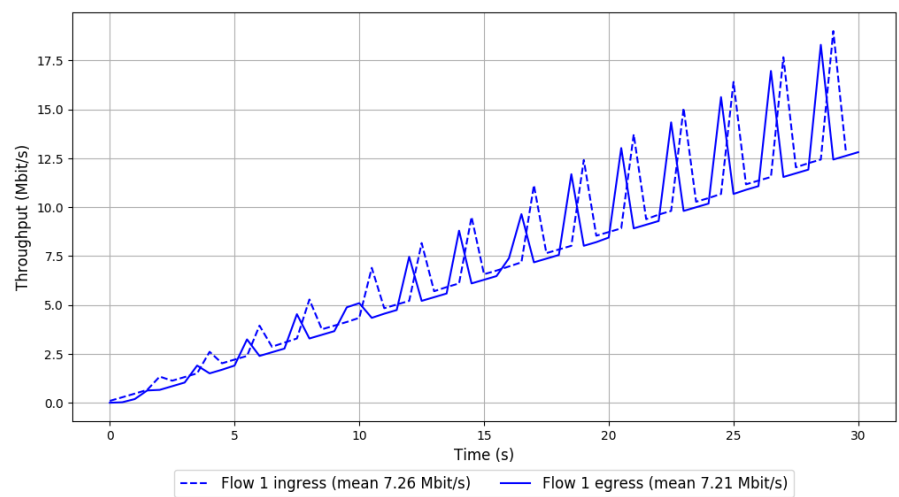


Run 1: Statistics of LEDBAT

Start at: 2018-08-09 14:22:46
End at: 2018-08-09 14:23:16
Local clock offset: -0.177 ms
Remote clock offset: -0.462 ms

Below is generated by plot.py at 2018-08-09 18:53:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.21 Mbit/s
95th percentile per-packet one-way delay: 112.625 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 7.21 Mbit/s
95th percentile per-packet one-way delay: 112.625 ms
Loss rate: 1.49%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-08-09 14:45:26

End at: 2018-08-09 14:45:56

Local clock offset: -0.998 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-08-09 18:53:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.30 Mbit/s

95th percentile per-packet one-way delay: 111.332 ms

Loss rate: 1.48%

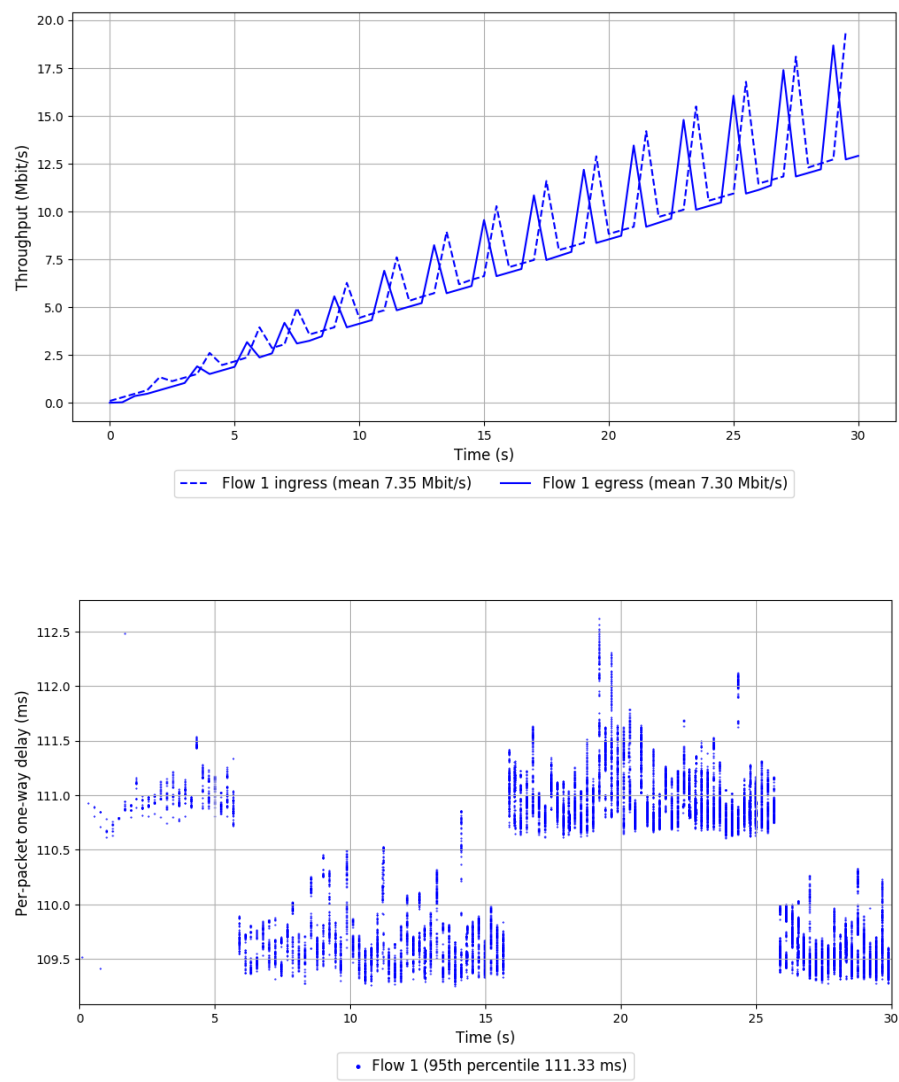
-- Flow 1:

Average throughput: 7.30 Mbit/s

95th percentile per-packet one-way delay: 111.332 ms

Loss rate: 1.48%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-08-09 15:08:07

End at: 2018-08-09 15:08:37

Local clock offset: -0.315 ms

Remote clock offset: 0.355 ms

Below is generated by plot.py at 2018-08-09 18:53:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.18 Mbit/s

95th percentile per-packet one-way delay: 111.766 ms

Loss rate: 1.49%

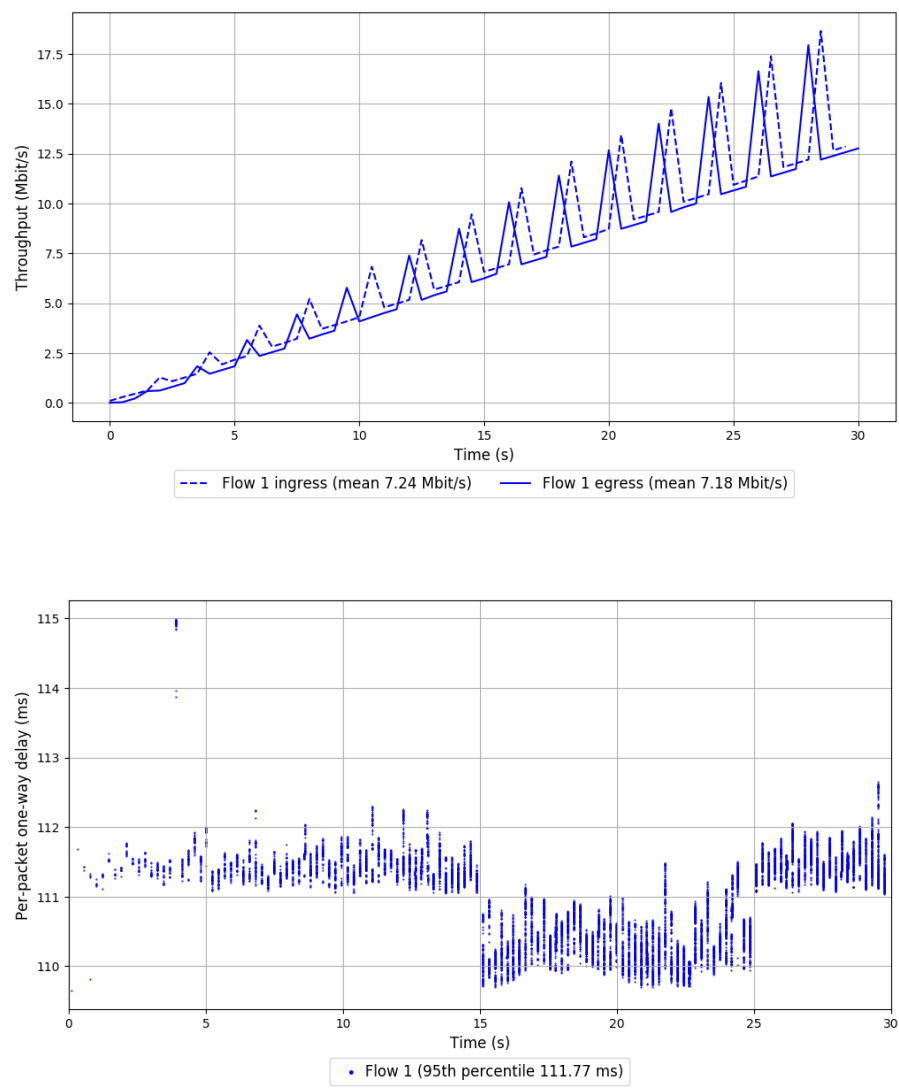
-- Flow 1:

Average throughput: 7.18 Mbit/s

95th percentile per-packet one-way delay: 111.766 ms

Loss rate: 1.49%

Run 3: Report of LEDBAT — Data Link

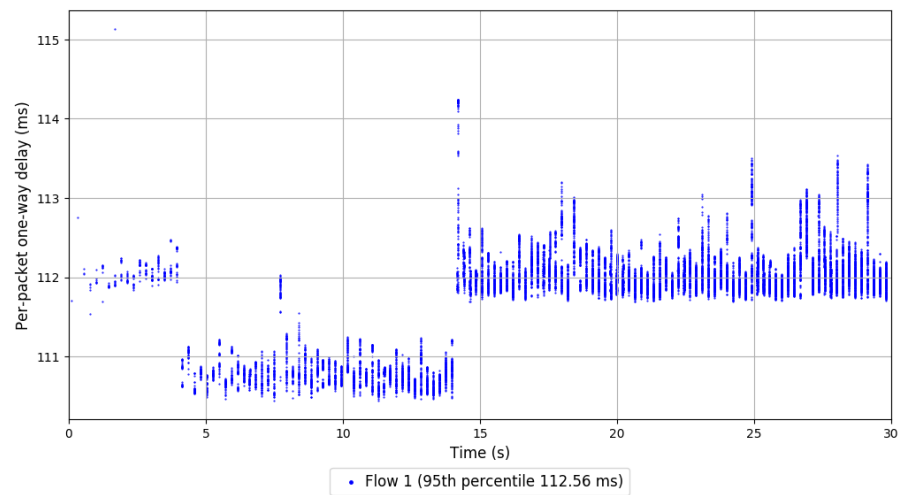
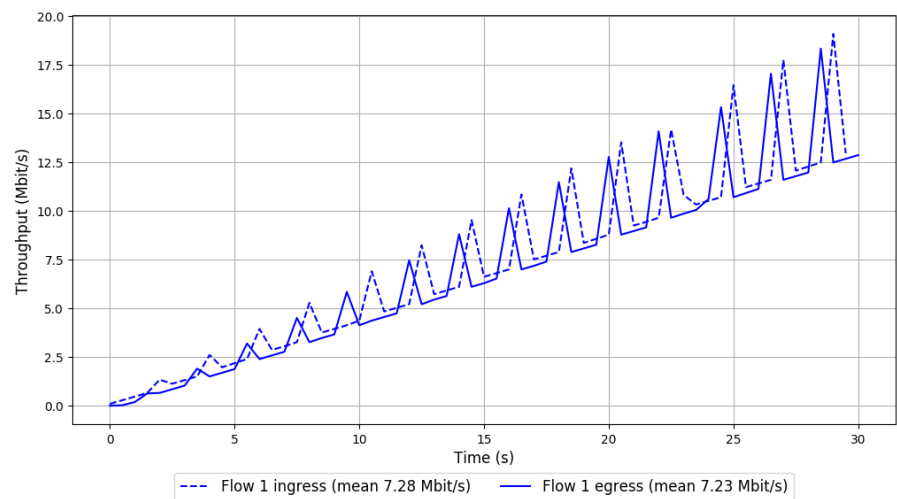


Run 4: Statistics of LEDBAT

Start at: 2018-08-09 15:30:28
End at: 2018-08-09 15:30:58
Local clock offset: 0.198 ms
Remote clock offset: -0.256 ms

Below is generated by plot.py at 2018-08-09 18:53:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 112.565 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 112.565 ms
Loss rate: 1.49%

Run 4: Report of LEDBAT — Data Link

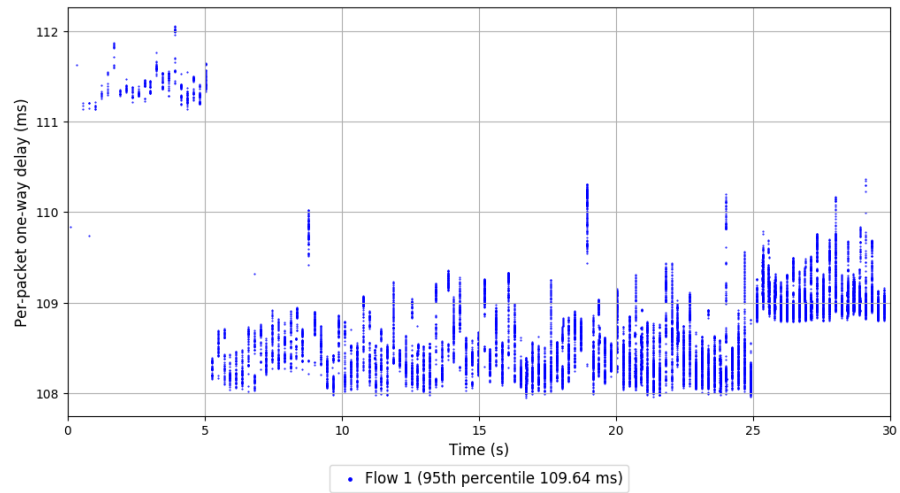
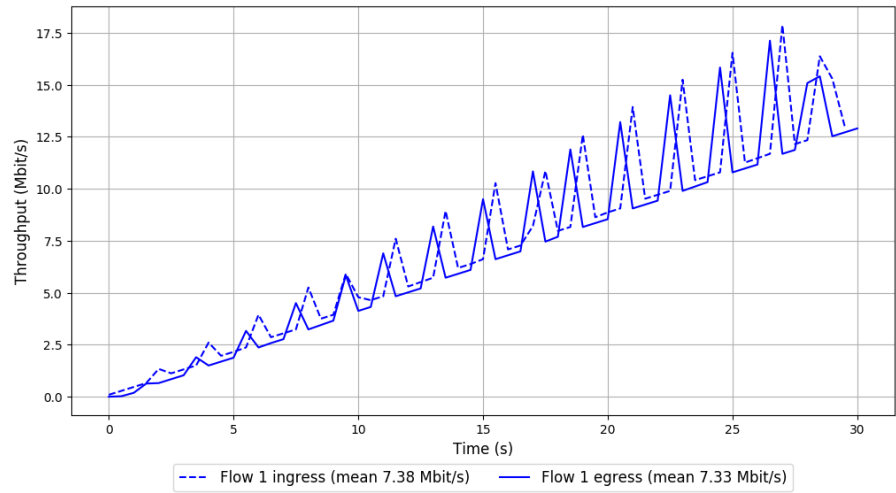


Run 5: Statistics of LEDBAT

Start at: 2018-08-09 15:52:47
End at: 2018-08-09 15:53:17
Local clock offset: -1.382 ms
Remote clock offset: -0.145 ms

Below is generated by plot.py at 2018-08-09 18:53:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.33 Mbit/s
95th percentile per-packet one-way delay: 109.644 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 7.33 Mbit/s
95th percentile per-packet one-way delay: 109.644 ms
Loss rate: 1.48%

Run 5: Report of LEDBAT — Data Link

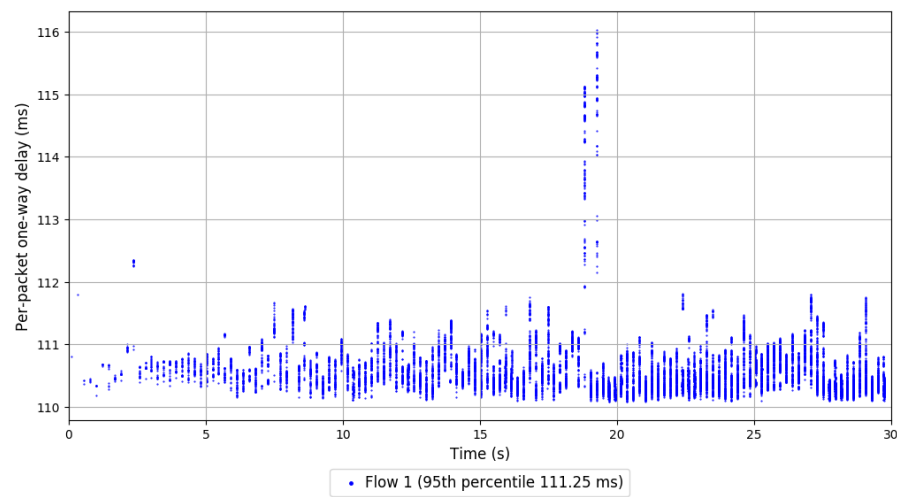
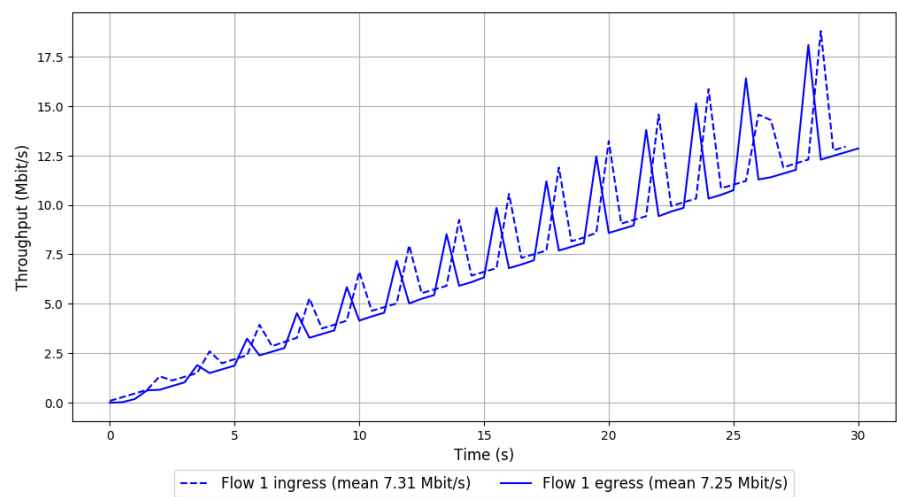


Run 6: Statistics of LEDBAT

Start at: 2018-08-09 16:14:57
End at: 2018-08-09 16:15:27
Local clock offset: -1.275 ms
Remote clock offset: -0.391 ms

Below is generated by plot.py at 2018-08-09 18:53:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.25 Mbit/s
95th percentile per-packet one-way delay: 111.247 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 7.25 Mbit/s
95th percentile per-packet one-way delay: 111.247 ms
Loss rate: 1.49%

Run 6: Report of LEDBAT — Data Link

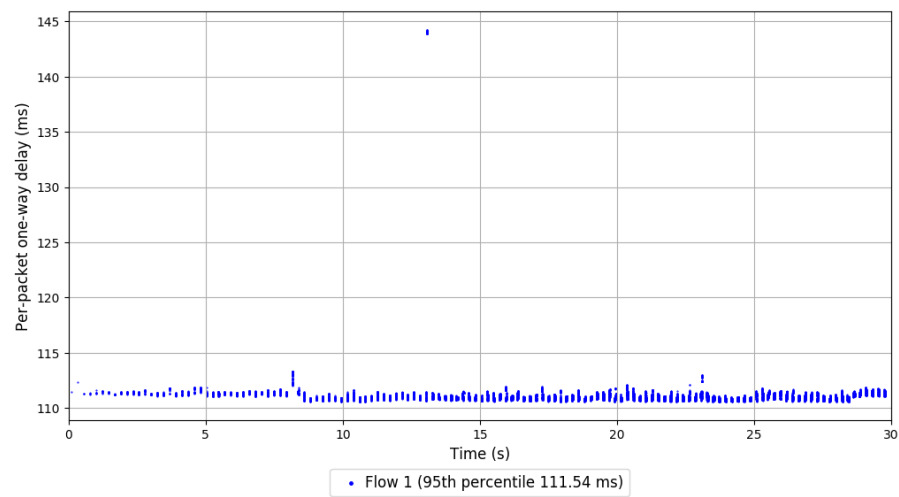
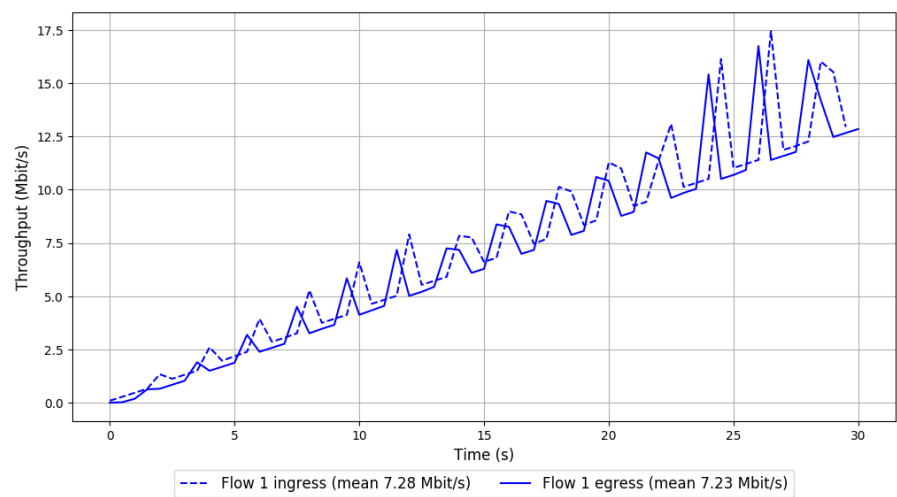


Run 7: Statistics of LEDBAT

Start at: 2018-08-09 16:37:14
End at: 2018-08-09 16:37:44
Local clock offset: -0.069 ms
Remote clock offset: -0.195 ms

Below is generated by plot.py at 2018-08-09 18:53:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 111.538 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 111.538 ms
Loss rate: 1.49%

Run 7: Report of LEDBAT — Data Link

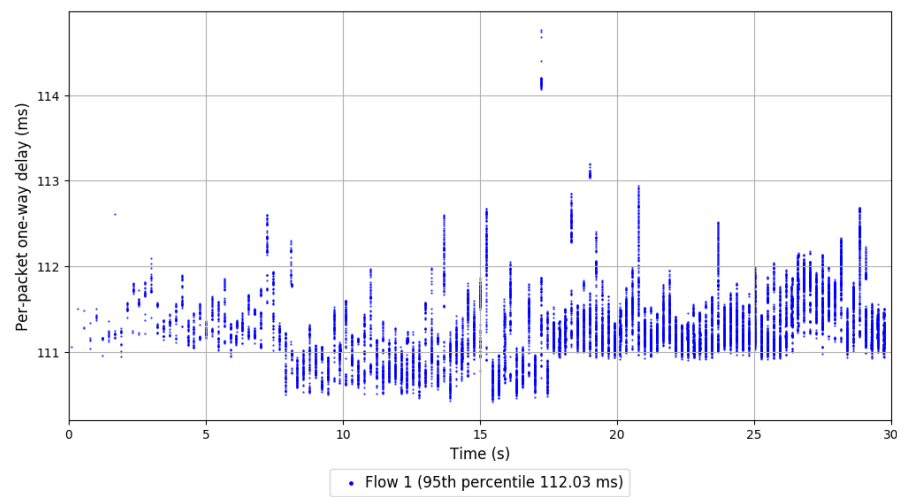
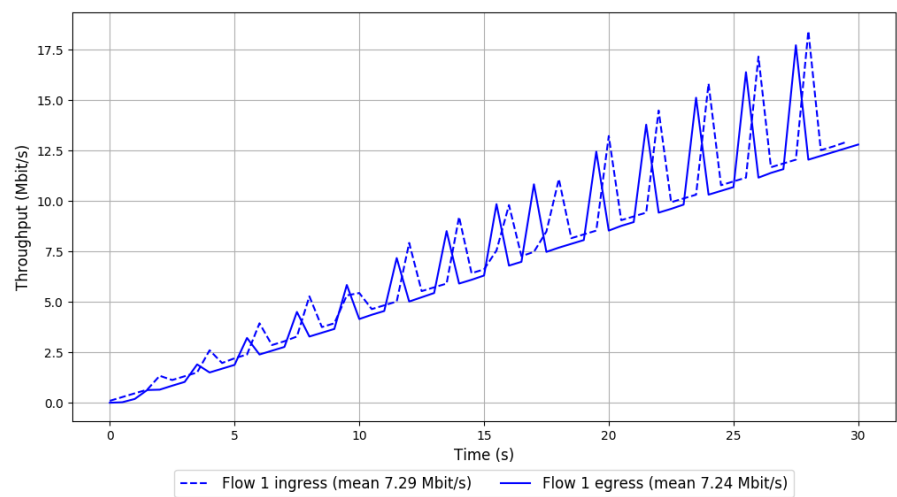


Run 8: Statistics of LEDBAT

Start at: 2018-08-09 16:59:24
End at: 2018-08-09 16:59:54
Local clock offset: -0.162 ms
Remote clock offset: -0.265 ms

Below is generated by plot.py at 2018-08-09 18:53:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.24 Mbit/s
95th percentile per-packet one-way delay: 112.031 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 7.24 Mbit/s
95th percentile per-packet one-way delay: 112.031 ms
Loss rate: 1.49%

Run 8: Report of LEDBAT — Data Link

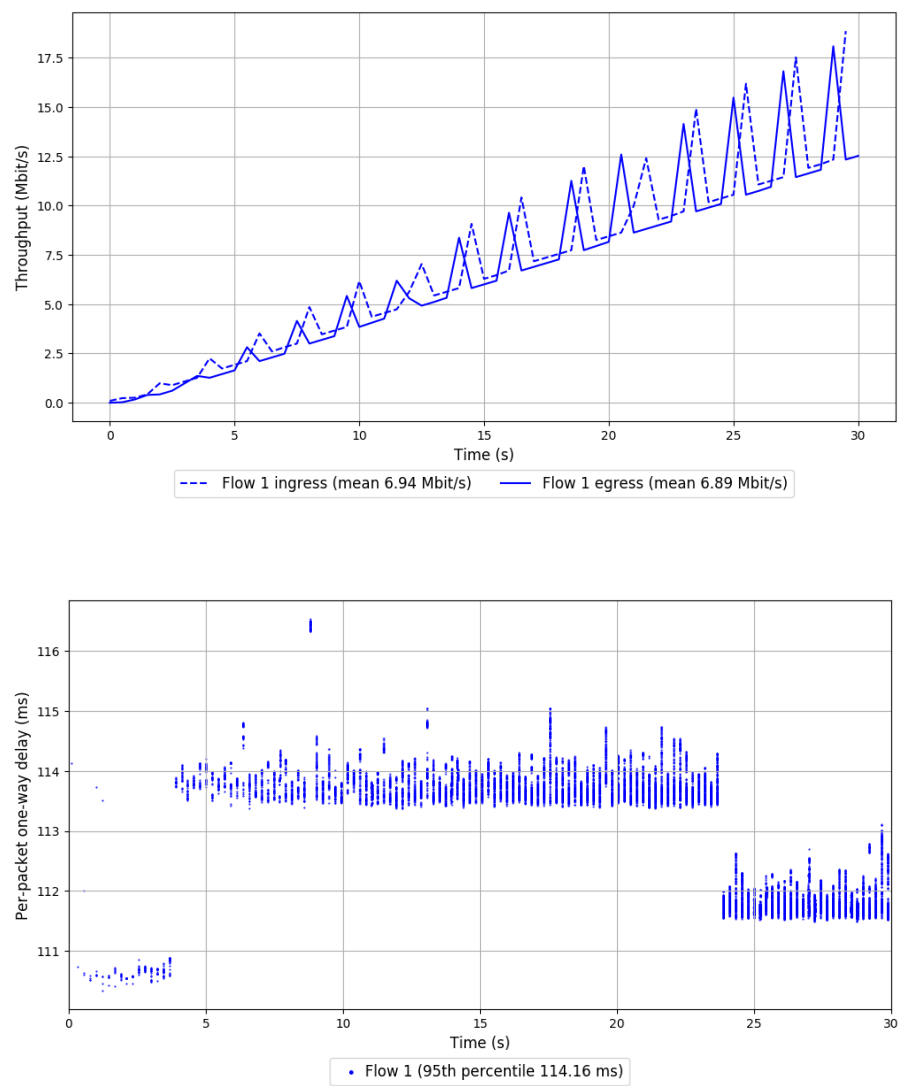


Run 9: Statistics of LEDBAT

Start at: 2018-08-09 17:22:08
End at: 2018-08-09 17:22:38
Local clock offset: 0.801 ms
Remote clock offset: -0.384 ms

Below is generated by plot.py at 2018-08-09 18:53:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.89 Mbit/s
95th percentile per-packet one-way delay: 114.163 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 6.89 Mbit/s
95th percentile per-packet one-way delay: 114.163 ms
Loss rate: 1.52%

Run 9: Report of LEDBAT — Data Link

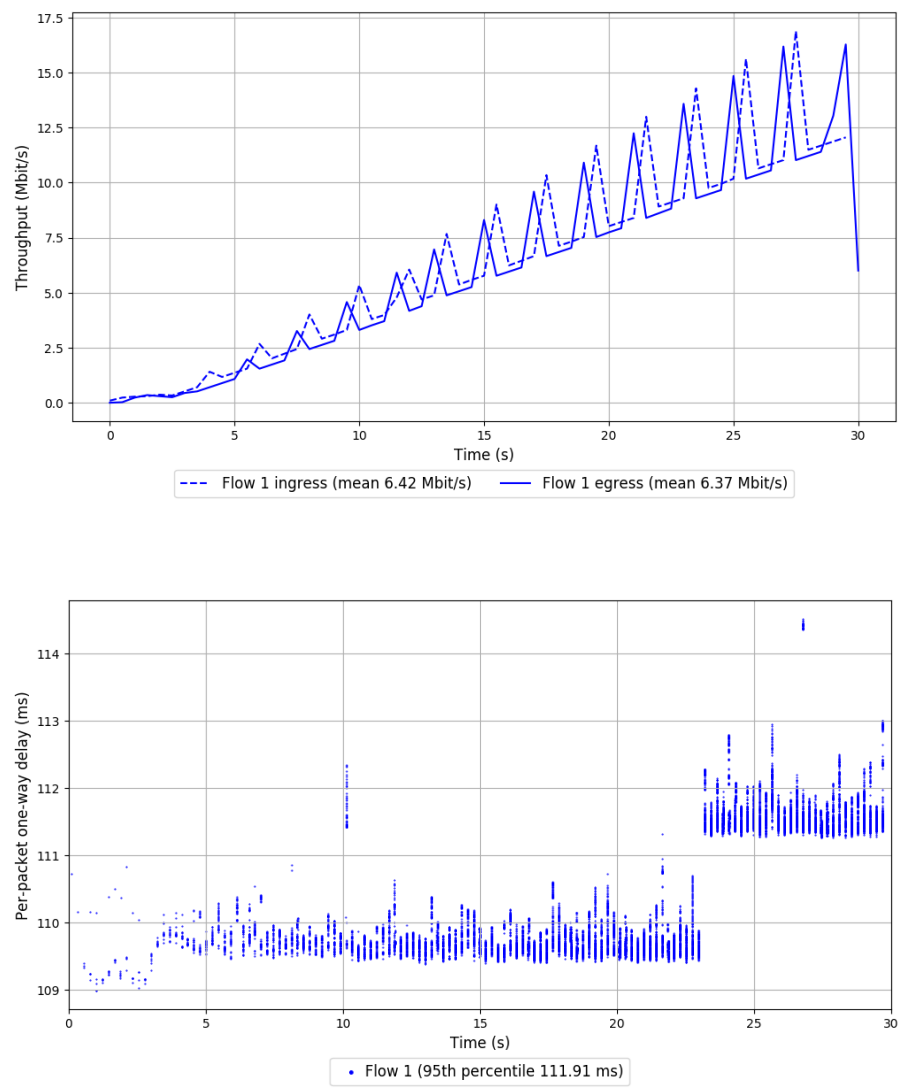


Run 10: Statistics of LEDBAT

Start at: 2018-08-09 17:44:19
End at: 2018-08-09 17:44:49
Local clock offset: -1.287 ms
Remote clock offset: -0.167 ms

Below is generated by plot.py at 2018-08-09 18:53:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.37 Mbit/s
95th percentile per-packet one-way delay: 111.909 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 6.37 Mbit/s
95th percentile per-packet one-way delay: 111.909 ms
Loss rate: 1.58%

Run 10: Report of LEDBAT — Data Link

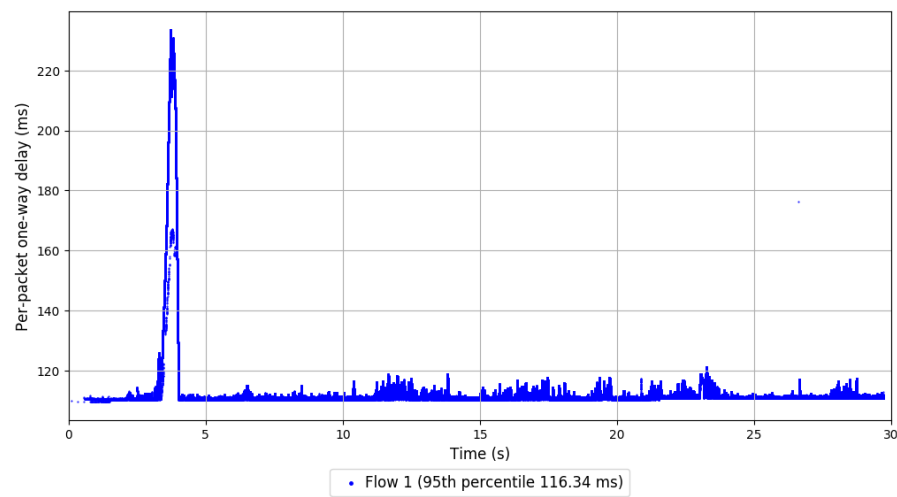
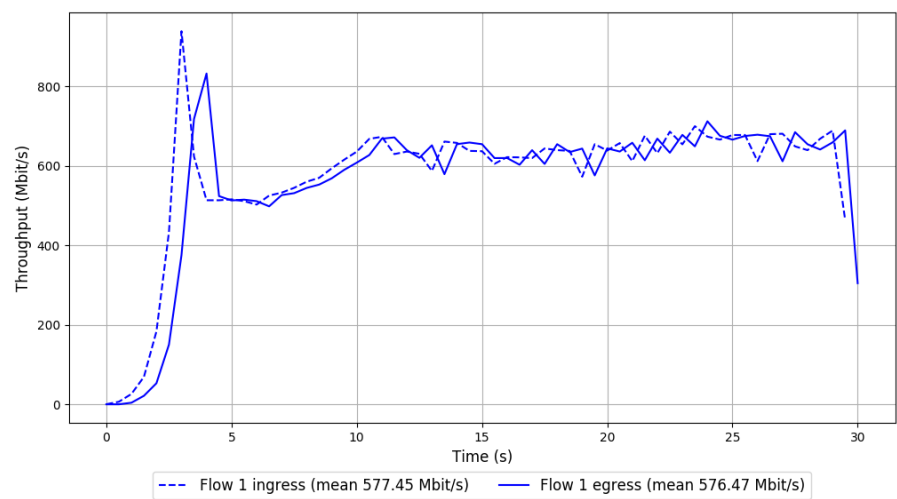


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-09 14:09:10
End at: 2018-08-09 14:09:40
Local clock offset: -0.265 ms
Remote clock offset: 0.241 ms

# Below is generated by plot.py at 2018-08-09 18:54:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 576.47 Mbit/s
95th percentile per-packet one-way delay: 116.337 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 576.47 Mbit/s
95th percentile per-packet one-way delay: 116.337 ms
Loss rate: 0.92%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-09 14:31:44

End at: 2018-08-09 14:32:14

Local clock offset: -0.409 ms

Remote clock offset: 0.209 ms

Below is generated by plot.py at 2018-08-09 18:54:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 513.14 Mbit/s

95th percentile per-packet one-way delay: 112.614 ms

Loss rate: 0.93%

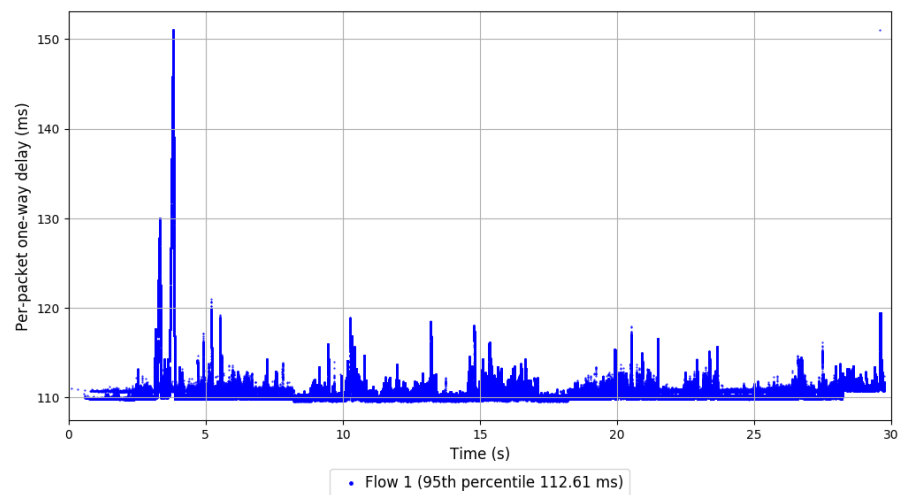
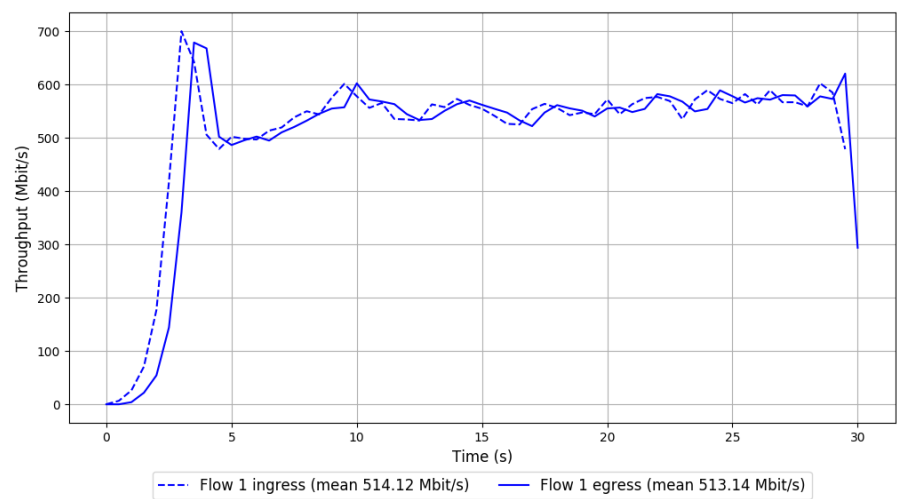
-- Flow 1:

Average throughput: 513.14 Mbit/s

95th percentile per-packet one-way delay: 112.614 ms

Loss rate: 0.93%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-09 14:54:30

End at: 2018-08-09 14:55:00

Local clock offset: -0.661 ms

Remote clock offset: -0.385 ms

Below is generated by plot.py at 2018-08-09 18:54:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 465.25 Mbit/s

95th percentile per-packet one-way delay: 114.418 ms

Loss rate: 1.28%

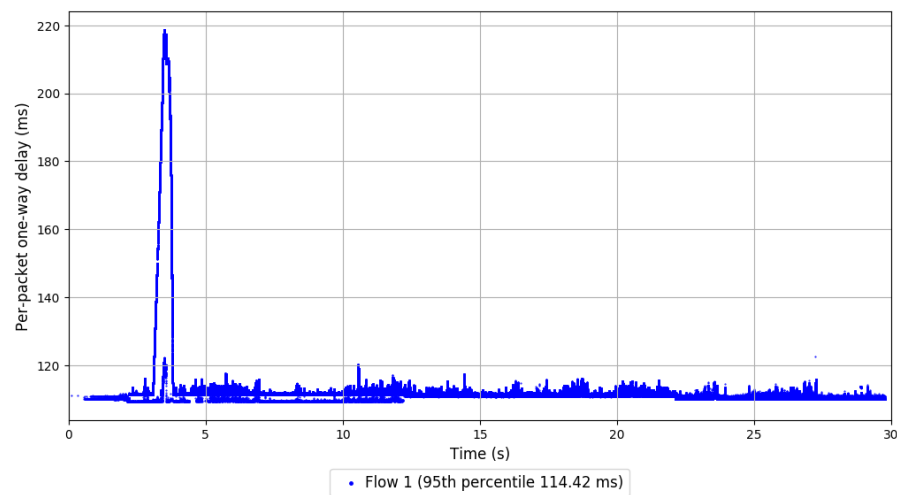
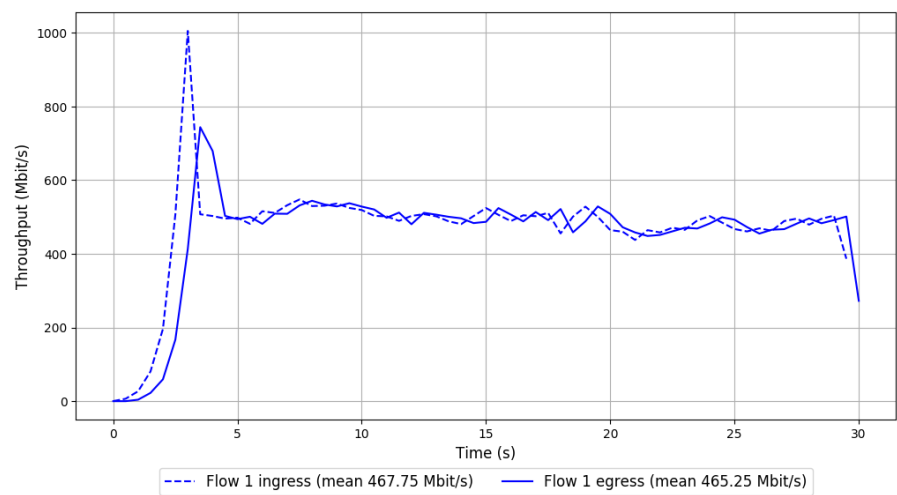
-- Flow 1:

Average throughput: 465.25 Mbit/s

95th percentile per-packet one-way delay: 114.418 ms

Loss rate: 1.28%

Run 3: Report of PCC-Allegro — Data Link

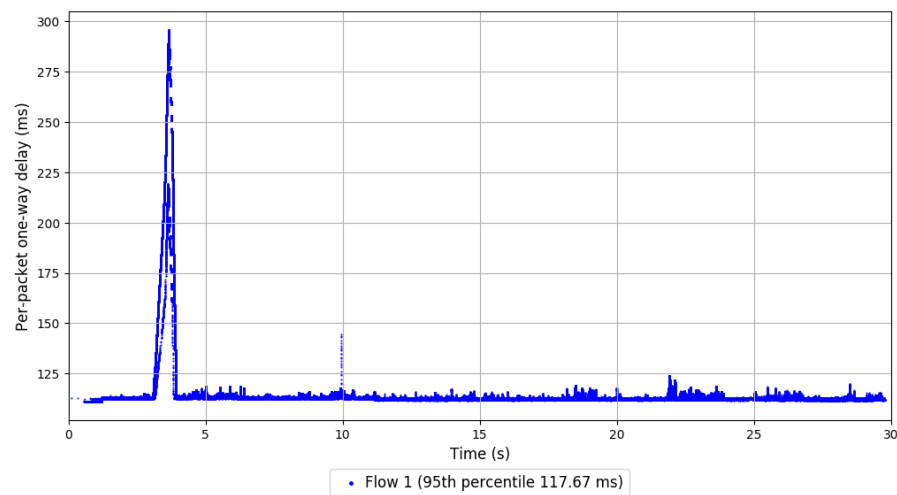
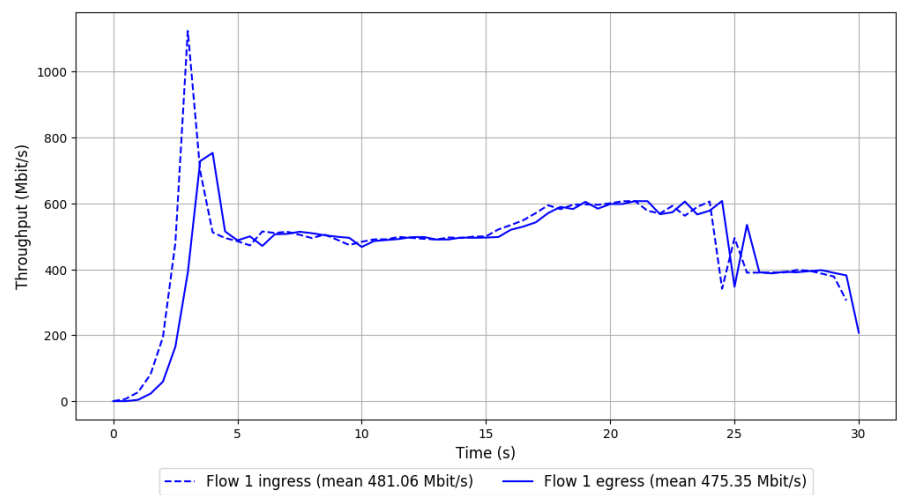


Run 4: Statistics of PCC-Allegro

Start at: 2018-08-09 15:17:11
End at: 2018-08-09 15:17:41
Local clock offset: 1.126 ms
Remote clock offset: -0.469 ms

Below is generated by plot.py at 2018-08-09 18:54:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 475.35 Mbit/s
95th percentile per-packet one-way delay: 117.674 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 475.35 Mbit/s
95th percentile per-packet one-way delay: 117.674 ms
Loss rate: 1.92%

Run 4: Report of PCC-Allegro — Data Link

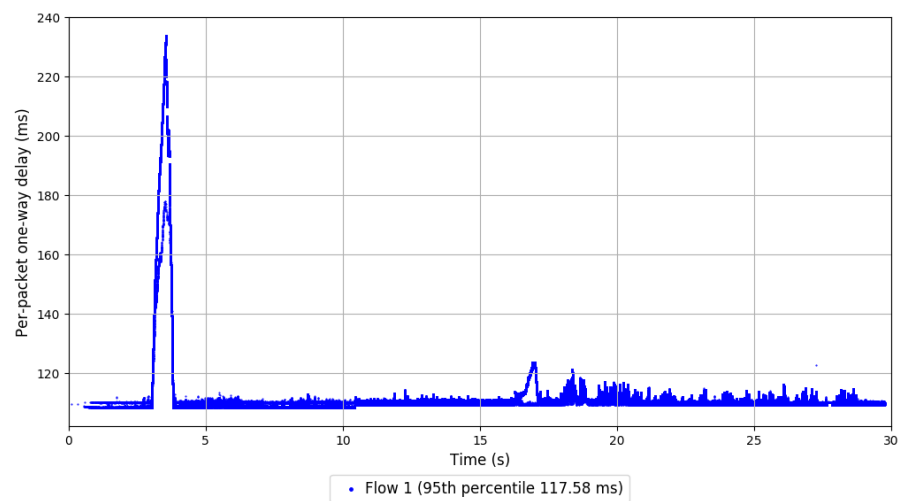
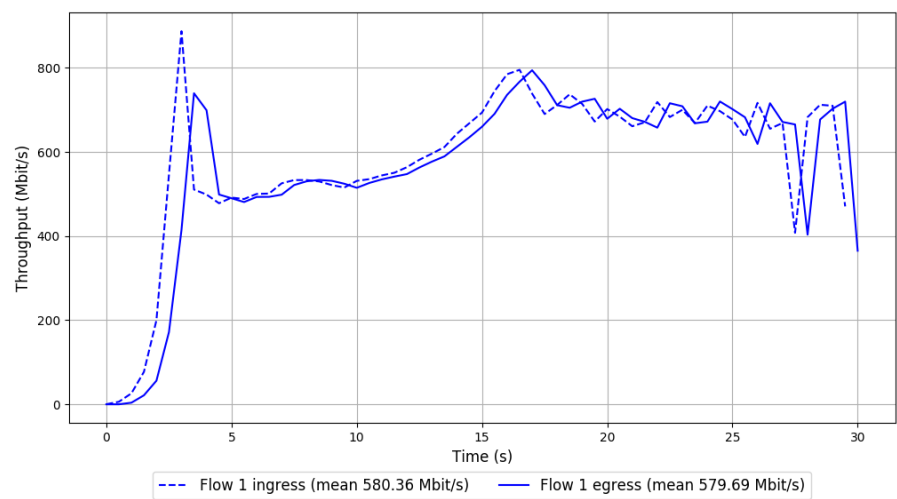


Run 5: Statistics of PCC-Allegro

Start at: 2018-08-09 15:39:21
End at: 2018-08-09 15:39:51
Local clock offset: -0.757 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-08-09 18:58:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 579.69 Mbit/s
95th percentile per-packet one-way delay: 117.579 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 579.69 Mbit/s
95th percentile per-packet one-way delay: 117.579 ms
Loss rate: 0.86%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-09 16:01:39

End at: 2018-08-09 16:02:09

Local clock offset: -1.271 ms

Remote clock offset: 0.263 ms

Below is generated by plot.py at 2018-08-09 18:58:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 515.48 Mbit/s

95th percentile per-packet one-way delay: 112.465 ms

Loss rate: 0.99%

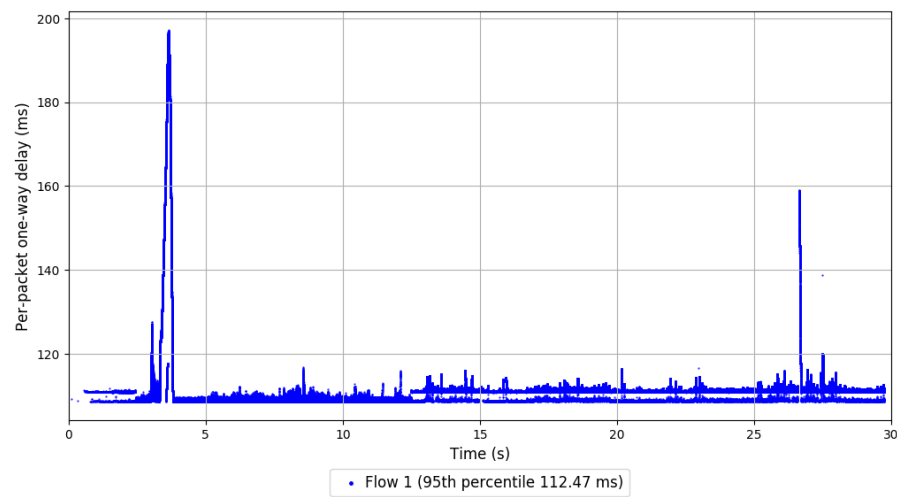
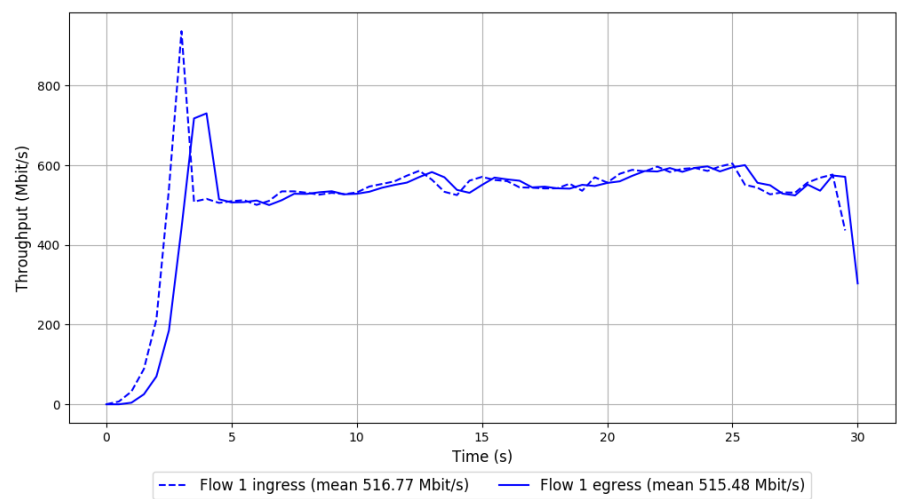
-- Flow 1:

Average throughput: 515.48 Mbit/s

95th percentile per-packet one-way delay: 112.465 ms

Loss rate: 0.99%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-08-09 16:23:51

End at: 2018-08-09 16:24:21

Local clock offset: -1.037 ms

Remote clock offset: 0.458 ms

Below is generated by plot.py at 2018-08-09 18:59:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 459.52 Mbit/s

95th percentile per-packet one-way delay: 113.025 ms

Loss rate: 0.59%

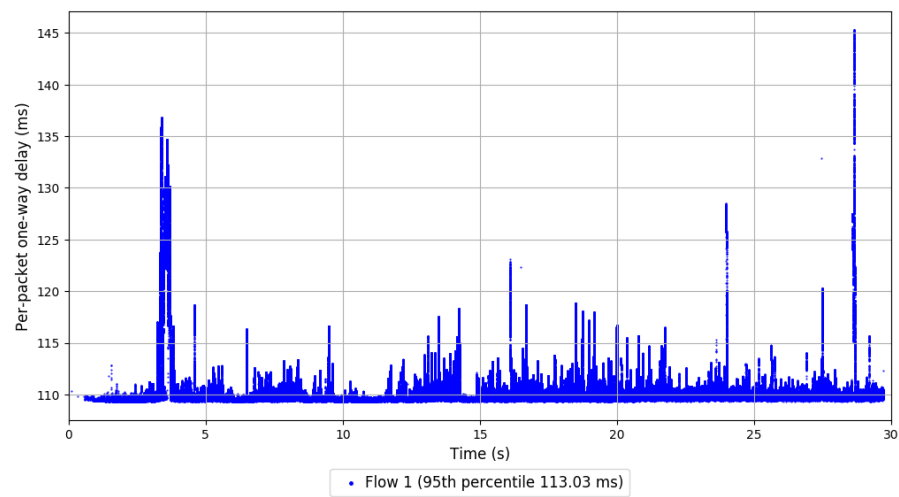
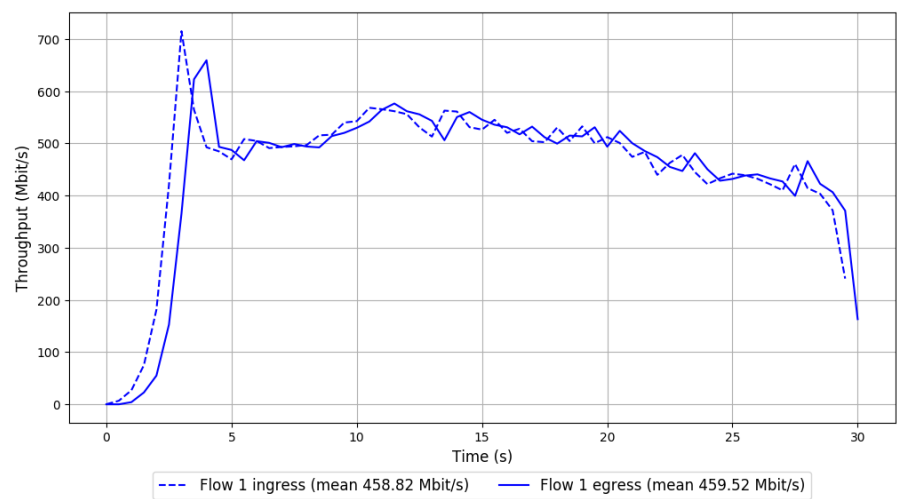
-- Flow 1:

Average throughput: 459.52 Mbit/s

95th percentile per-packet one-way delay: 113.025 ms

Loss rate: 0.59%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-09 16:45:59

End at: 2018-08-09 16:46:29

Local clock offset: 0.107 ms

Remote clock offset: -0.328 ms

Below is generated by plot.py at 2018-08-09 19:01:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 492.49 Mbit/s

95th percentile per-packet one-way delay: 114.204 ms

Loss rate: 0.71%

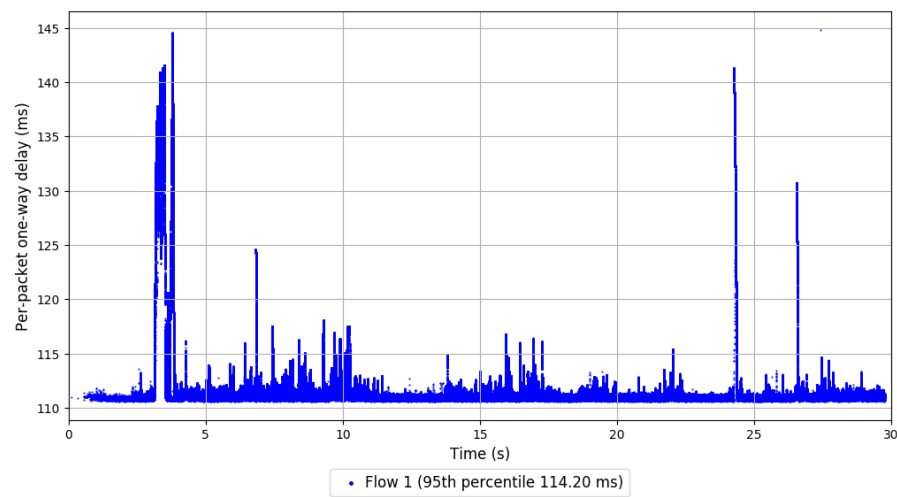
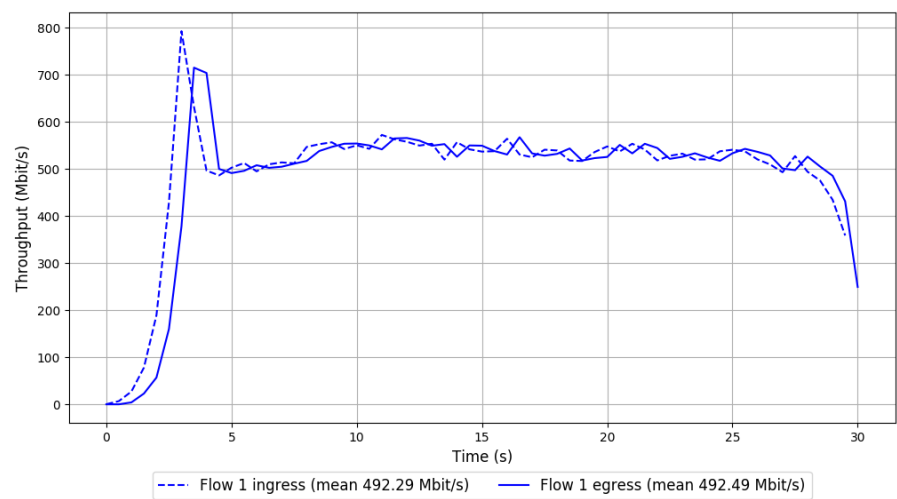
-- Flow 1:

Average throughput: 492.49 Mbit/s

95th percentile per-packet one-way delay: 114.204 ms

Loss rate: 0.71%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-09 17:08:36

End at: 2018-08-09 17:09:06

Local clock offset: 0.008 ms

Remote clock offset: -0.706 ms

Below is generated by plot.py at 2018-08-09 19:02:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 517.45 Mbit/s

95th percentile per-packet one-way delay: 119.813 ms

Loss rate: 0.93%

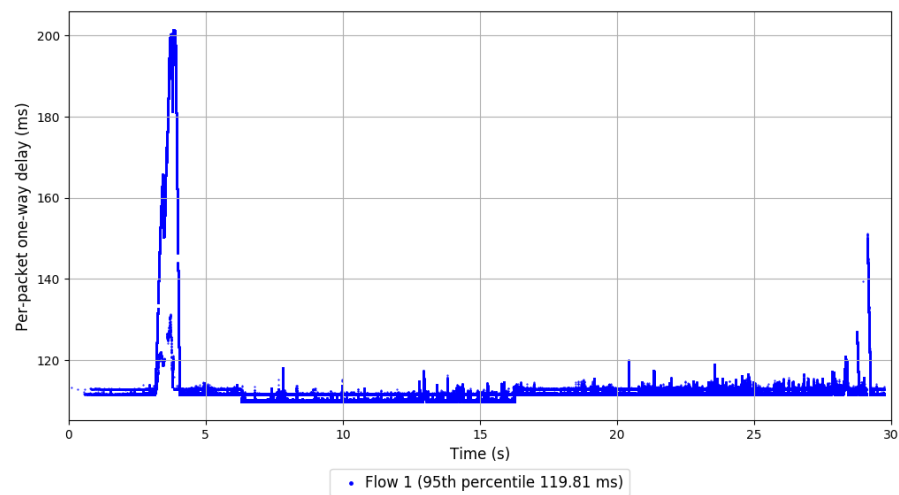
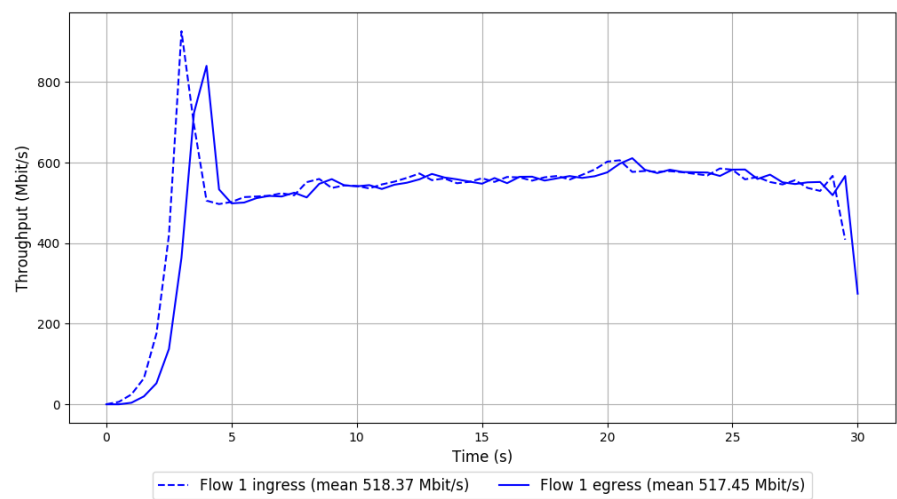
-- Flow 1:

Average throughput: 517.45 Mbit/s

95th percentile per-packet one-way delay: 119.813 ms

Loss rate: 0.93%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-08-09 17:31:08

End at: 2018-08-09 17:31:38

Local clock offset: 0.58 ms

Remote clock offset: 0.147 ms

Below is generated by plot.py at 2018-08-09 19:02:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 453.80 Mbit/s

95th percentile per-packet one-way delay: 115.909 ms

Loss rate: 2.01%

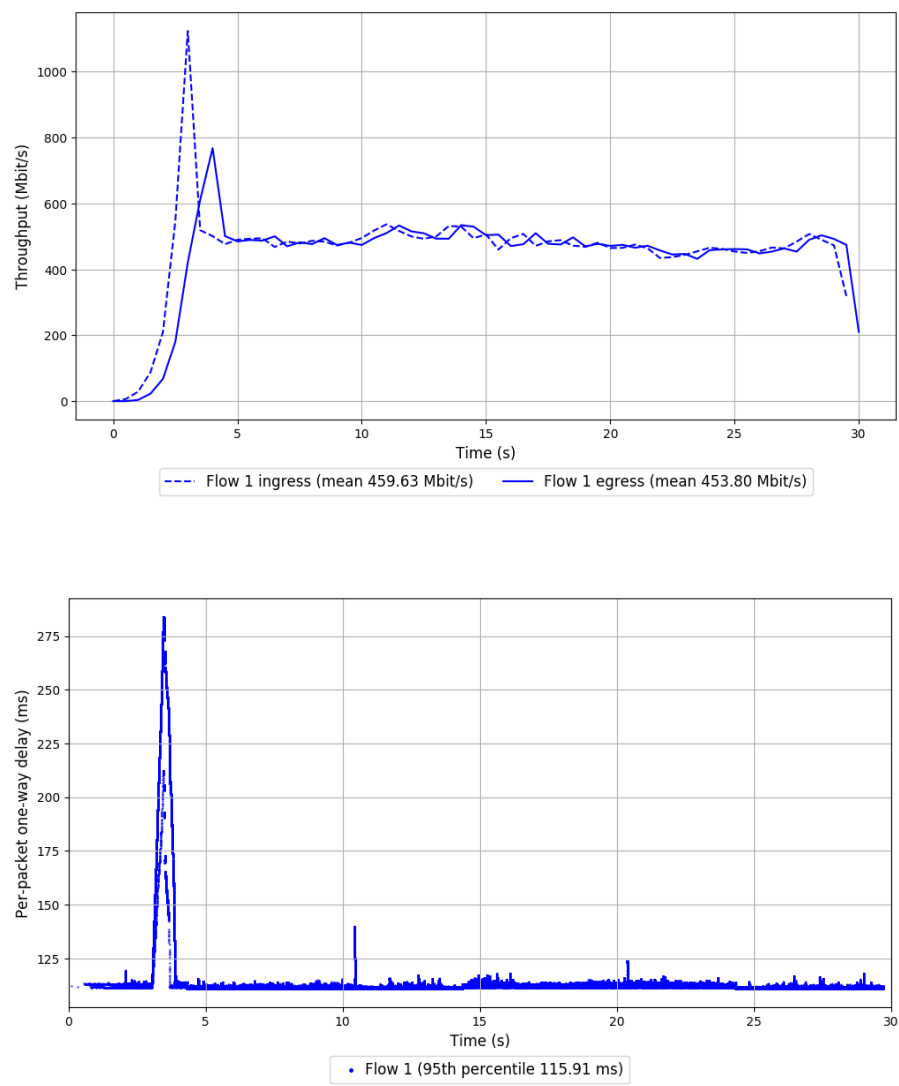
-- Flow 1:

Average throughput: 453.80 Mbit/s

95th percentile per-packet one-way delay: 115.909 ms

Loss rate: 2.01%

Run 10: Report of PCC-Allegro — Data Link

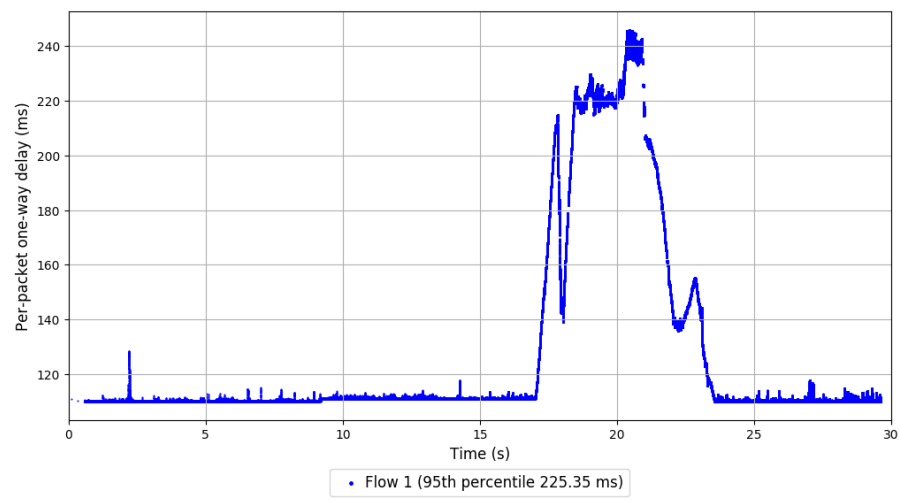
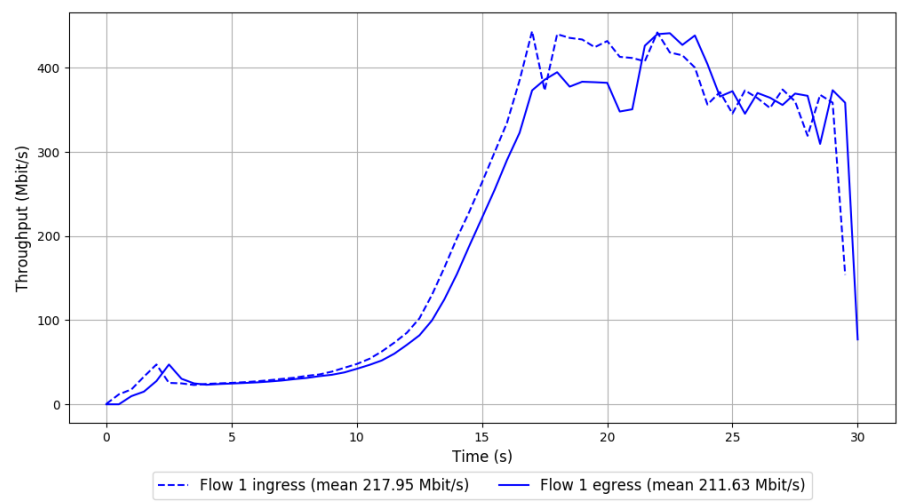


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-09 14:07:43
End at: 2018-08-09 14:08:13
Local clock offset: -0.241 ms
Remote clock offset: -0.116 ms

# Below is generated by plot.py at 2018-08-09 19:02:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 211.63 Mbit/s
95th percentile per-packet one-way delay: 225.352 ms
Loss rate: 3.63%
-- Flow 1:
Average throughput: 211.63 Mbit/s
95th percentile per-packet one-way delay: 225.352 ms
Loss rate: 3.63%
```

Run 1: Report of PCC-Expr — Data Link

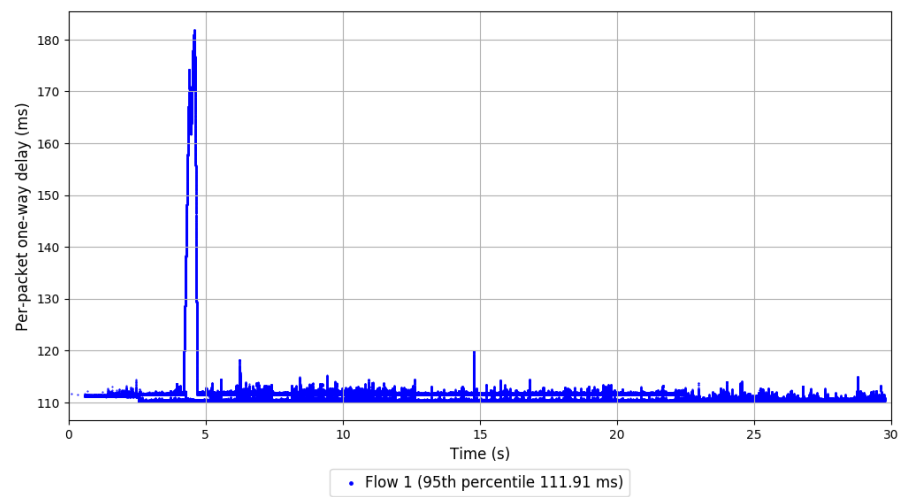
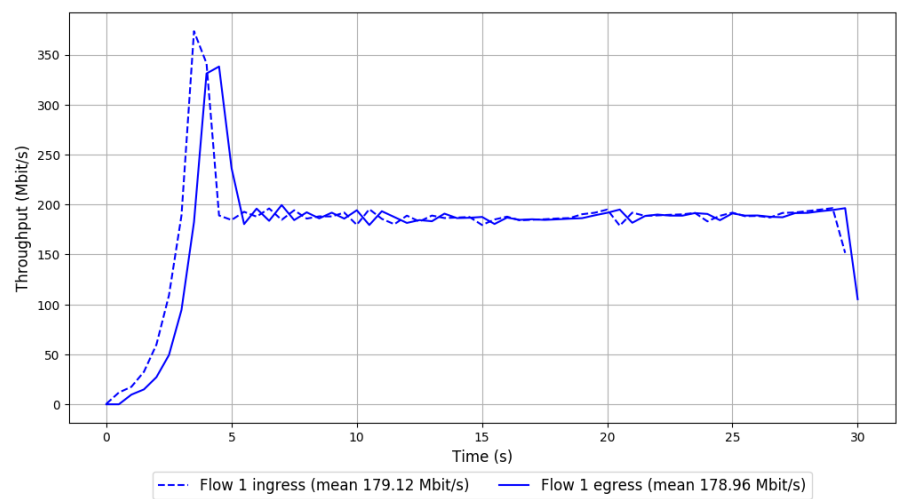


Run 2: Statistics of PCC-Expr

Start at: 2018-08-09 14:30:19
End at: 2018-08-09 14:30:49
Local clock offset: -0.155 ms
Remote clock offset: -0.201 ms

Below is generated by plot.py at 2018-08-09 19:02:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 178.96 Mbit/s
95th percentile per-packet one-way delay: 111.913 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 178.96 Mbit/s
95th percentile per-packet one-way delay: 111.913 ms
Loss rate: 0.84%

Run 2: Report of PCC-Expr — Data Link

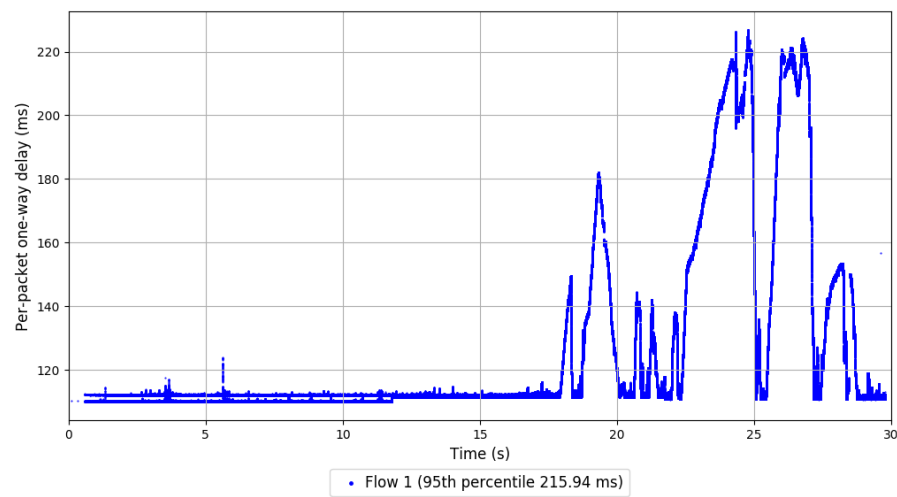
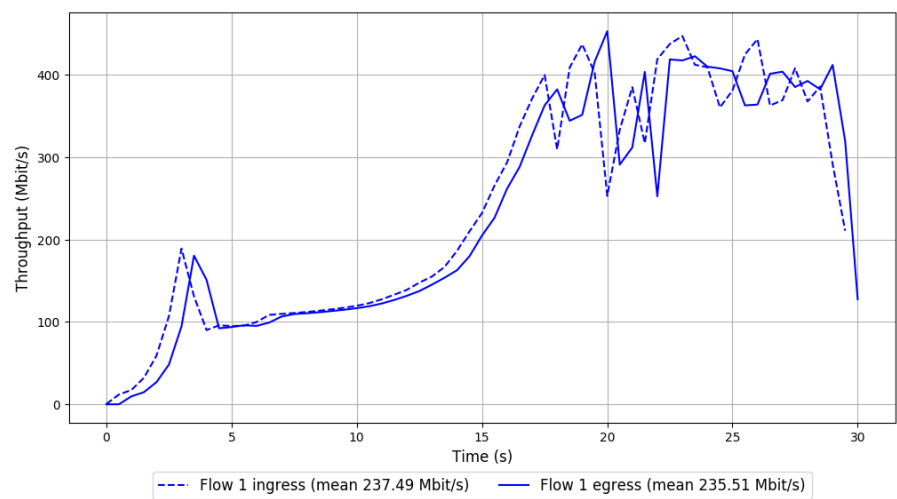


Run 3: Statistics of PCC-Expr

Start at: 2018-08-09 14:53:00
End at: 2018-08-09 14:53:30
Local clock offset: -0.02 ms
Remote clock offset: -0.309 ms

Below is generated by plot.py at 2018-08-09 19:05:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 235.51 Mbit/s
95th percentile per-packet one-way delay: 215.940 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 235.51 Mbit/s
95th percentile per-packet one-way delay: 215.940 ms
Loss rate: 1.57%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-08-09 15:15:47

End at: 2018-08-09 15:16:17

Local clock offset: -0.221 ms

Remote clock offset: 0.264 ms

Below is generated by plot.py at 2018-08-09 19:05:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 177.13 Mbit/s

95th percentile per-packet one-way delay: 111.132 ms

Loss rate: 0.80%

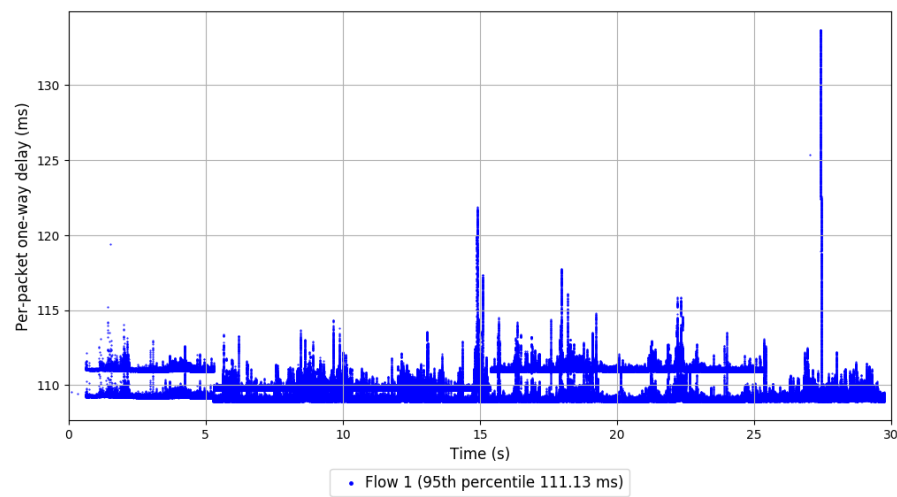
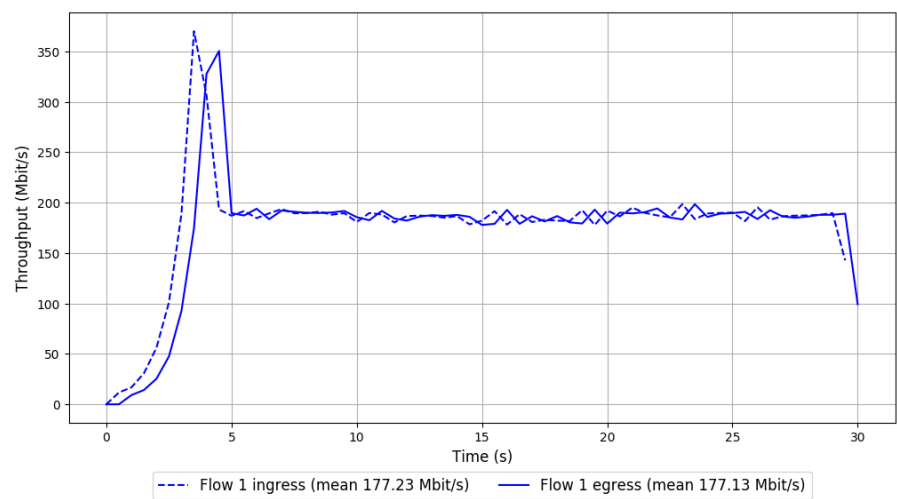
-- Flow 1:

Average throughput: 177.13 Mbit/s

95th percentile per-packet one-way delay: 111.132 ms

Loss rate: 0.80%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-08-09 15:37:58

End at: 2018-08-09 15:38:28

Local clock offset: -0.731 ms

Remote clock offset: 0.159 ms

Below is generated by plot.py at 2018-08-09 19:05:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.59 Mbit/s

95th percentile per-packet one-way delay: 110.418 ms

Loss rate: 0.80%

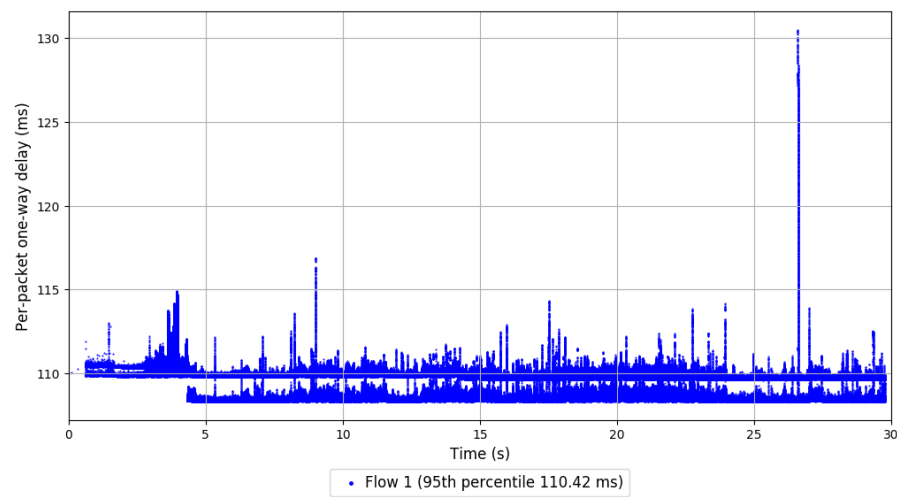
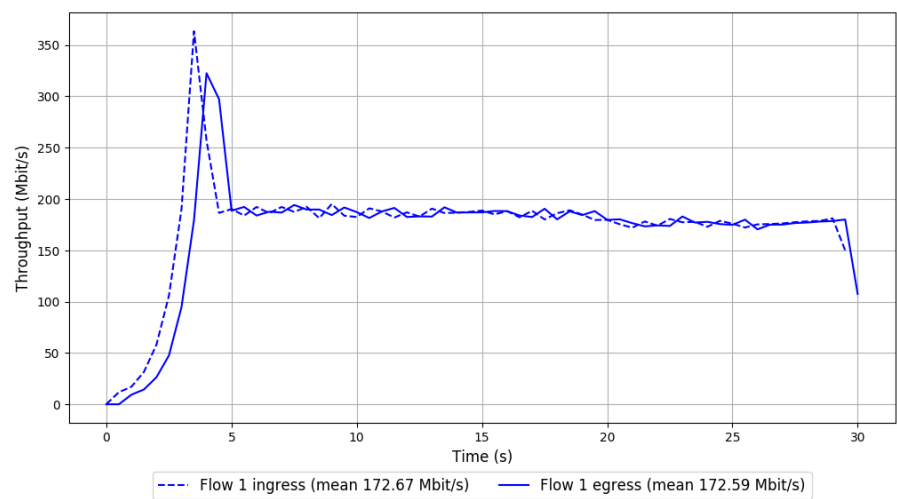
-- Flow 1:

Average throughput: 172.59 Mbit/s

95th percentile per-packet one-way delay: 110.418 ms

Loss rate: 0.80%

Run 5: Report of PCC-Expr — Data Link

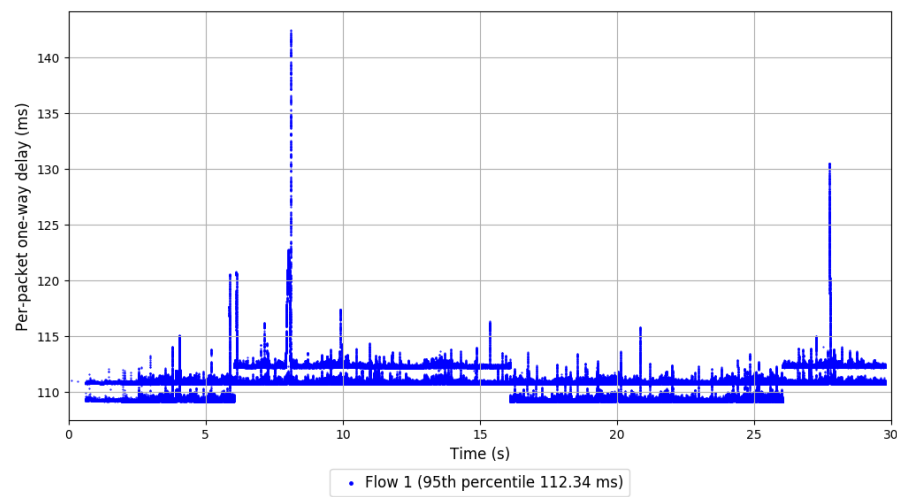
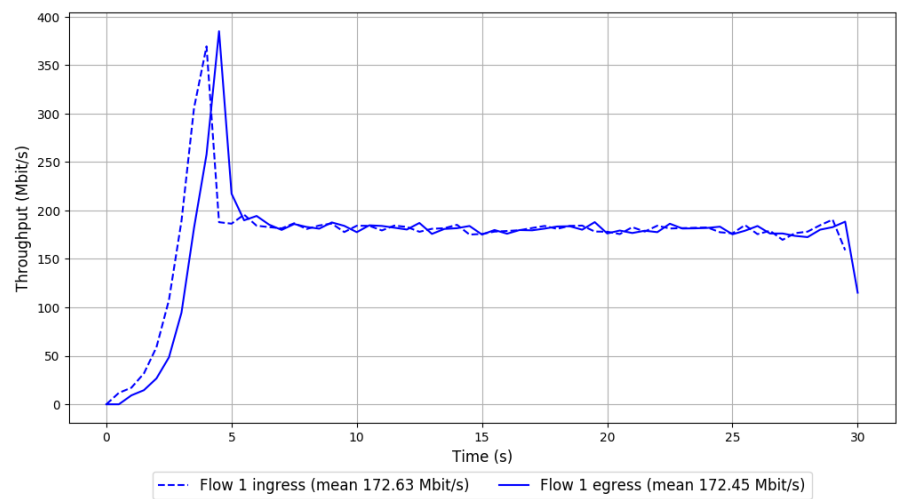


Run 6: Statistics of PCC-Expr

Start at: 2018-08-09 16:00:16
End at: 2018-08-09 16:00:46
Local clock offset: -0.549 ms
Remote clock offset: -0.447 ms

Below is generated by plot.py at 2018-08-09 19:05:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 172.45 Mbit/s
95th percentile per-packet one-way delay: 112.337 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 172.45 Mbit/s
95th percentile per-packet one-way delay: 112.337 ms
Loss rate: 0.85%

Run 6: Report of PCC-Expr — Data Link

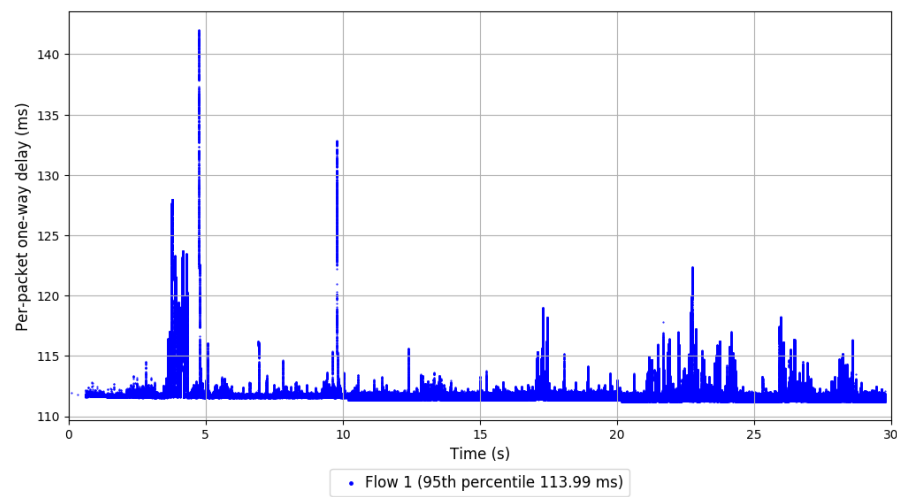
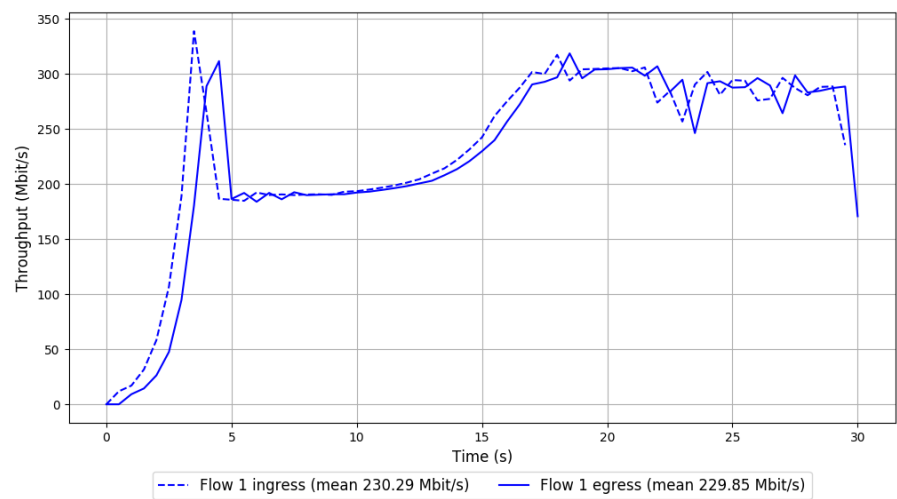


Run 7: Statistics of PCC-Expr

Start at: 2018-08-09 16:22:22
End at: 2018-08-09 16:22:52
Local clock offset: 0.684 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-08-09 19:07:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 229.85 Mbit/s
95th percentile per-packet one-way delay: 113.990 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 229.85 Mbit/s
95th percentile per-packet one-way delay: 113.990 ms
Loss rate: 0.94%

Run 7: Report of PCC-Expr — Data Link

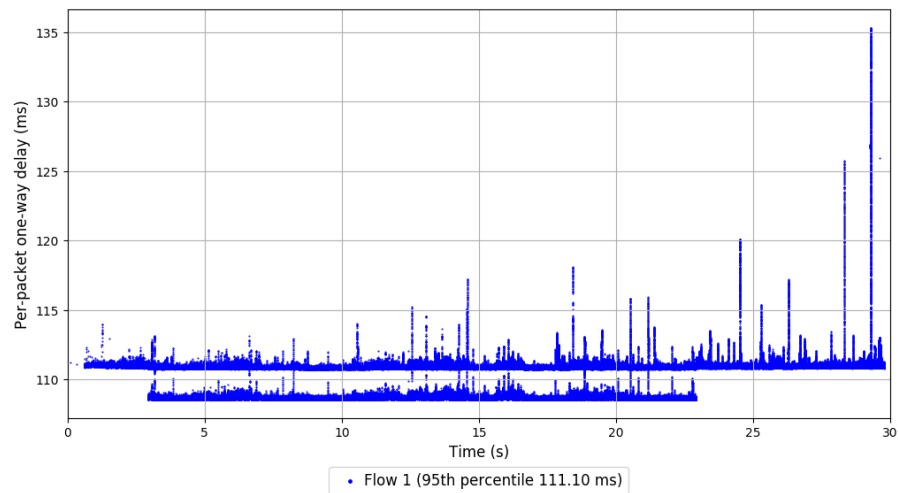
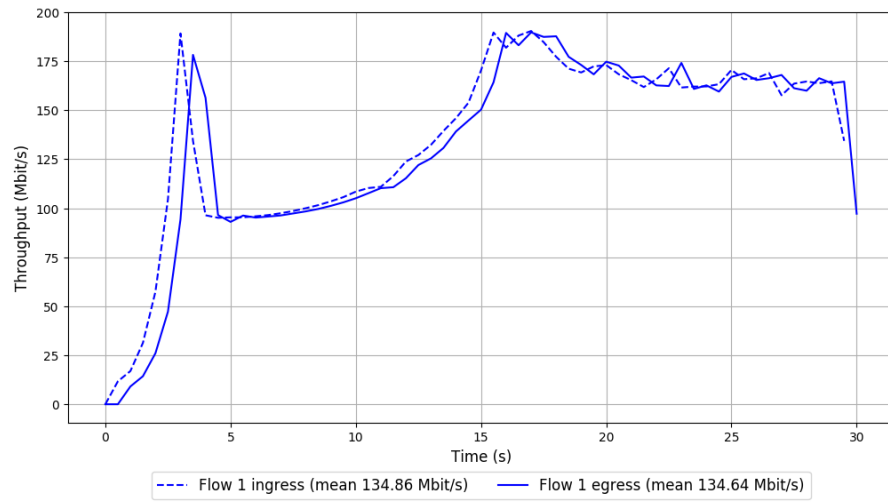


Run 8: Statistics of PCC-Expr

Start at: 2018-08-09 16:44:39
End at: 2018-08-09 16:45:09
Local clock offset: -0.178 ms
Remote clock offset: -0.165 ms

Below is generated by plot.py at 2018-08-09 19:07:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 134.64 Mbit/s
95th percentile per-packet one-way delay: 111.099 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 134.64 Mbit/s
95th percentile per-packet one-way delay: 111.099 ms
Loss rate: 0.91%

Run 8: Report of PCC-Expr — Data Link

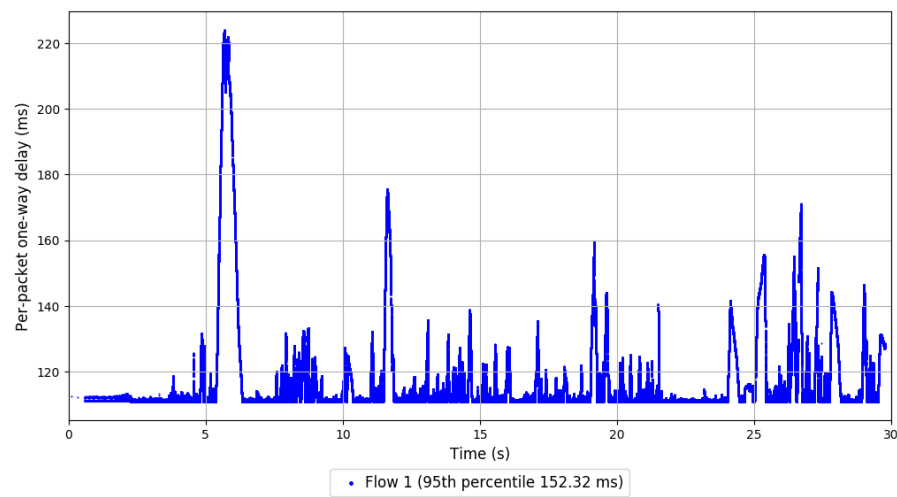
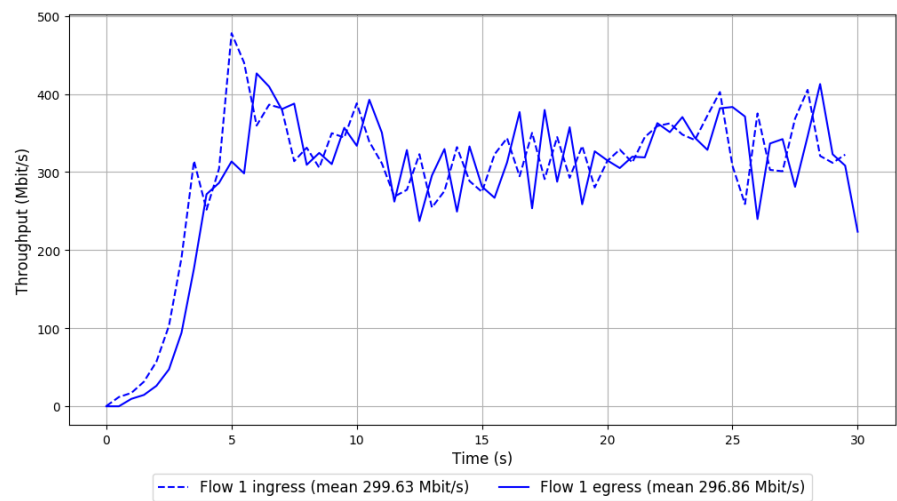


Run 9: Statistics of PCC-Expr

Start at: 2018-08-09 17:07:00
End at: 2018-08-09 17:07:30
Local clock offset: -0.006 ms
Remote clock offset: -0.273 ms

Below is generated by plot.py at 2018-08-09 19:10:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 296.86 Mbit/s
95th percentile per-packet one-way delay: 152.318 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 296.86 Mbit/s
95th percentile per-packet one-way delay: 152.318 ms
Loss rate: 1.66%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-08-09 17:29:41

End at: 2018-08-09 17:30:11

Local clock offset: -0.564 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-08-09 19:10:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 198.67 Mbit/s

95th percentile per-packet one-way delay: 113.292 ms

Loss rate: 1.05%

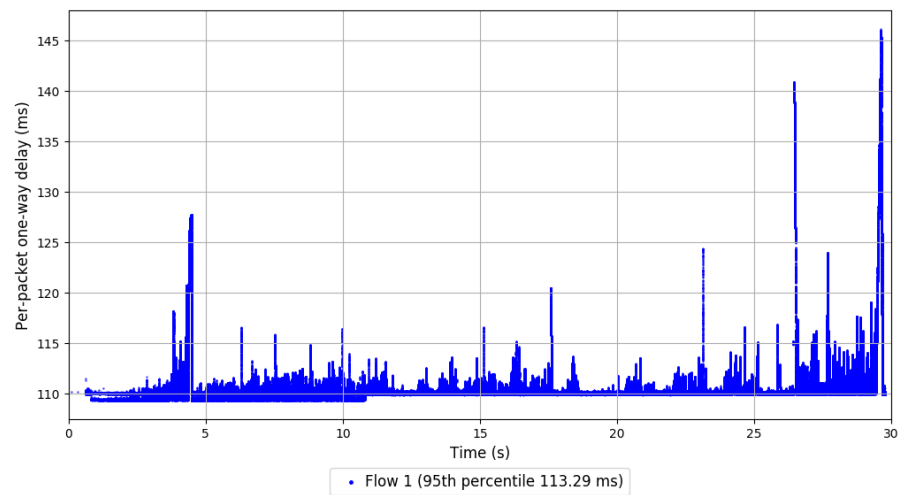
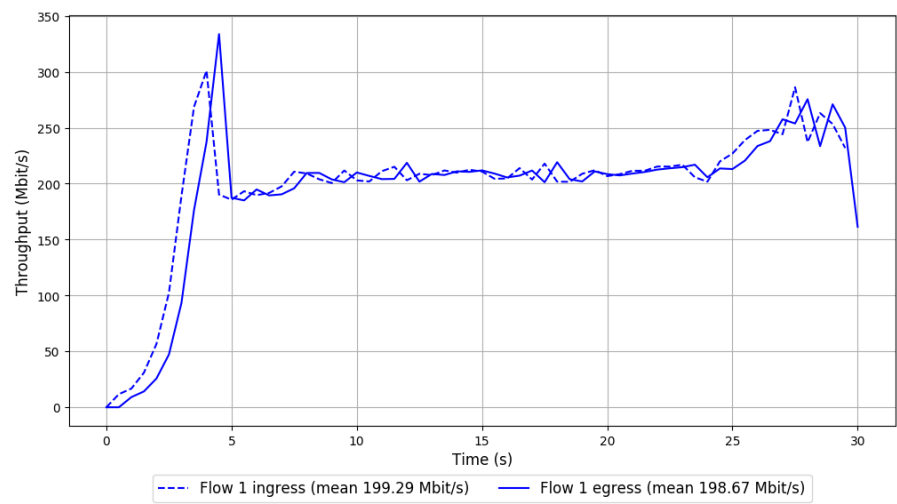
-- Flow 1:

Average throughput: 198.67 Mbit/s

95th percentile per-packet one-way delay: 113.292 ms

Loss rate: 1.05%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

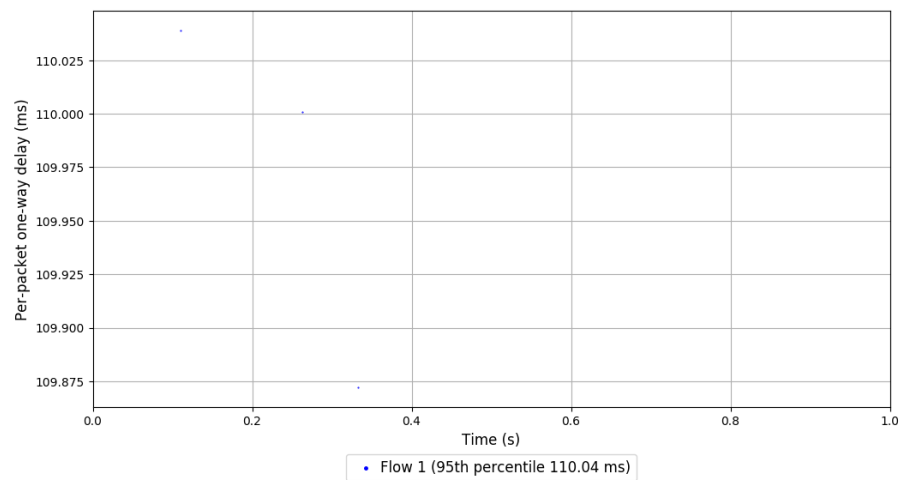
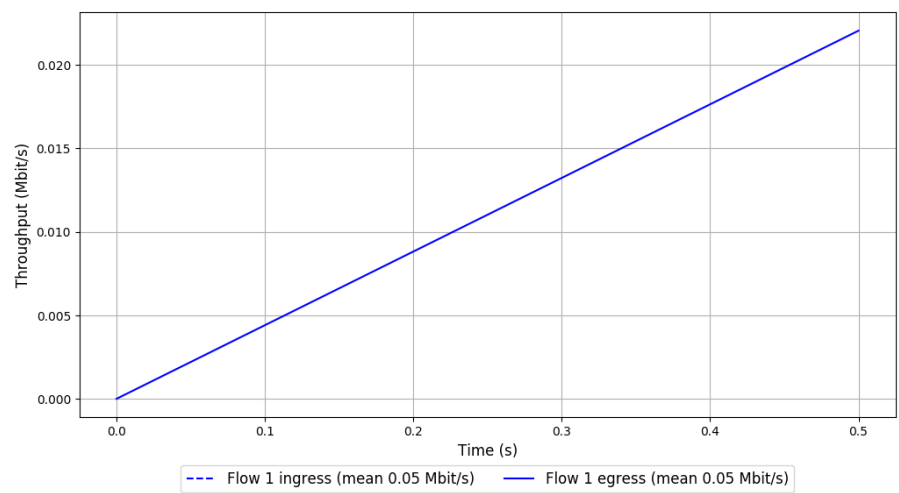
Start at: 2018-08-09 14:06:35

End at: 2018-08-09 14:07:05

Local clock offset: -1.435 ms

Remote clock offset: -0.109 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

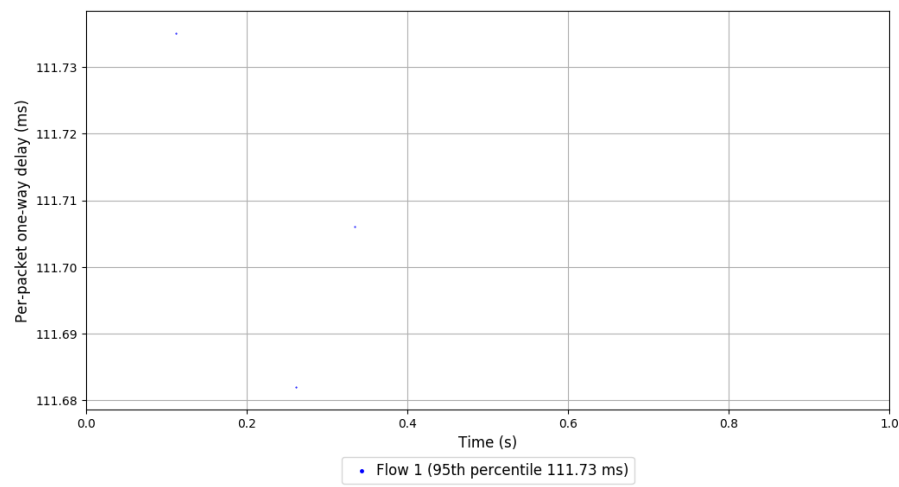
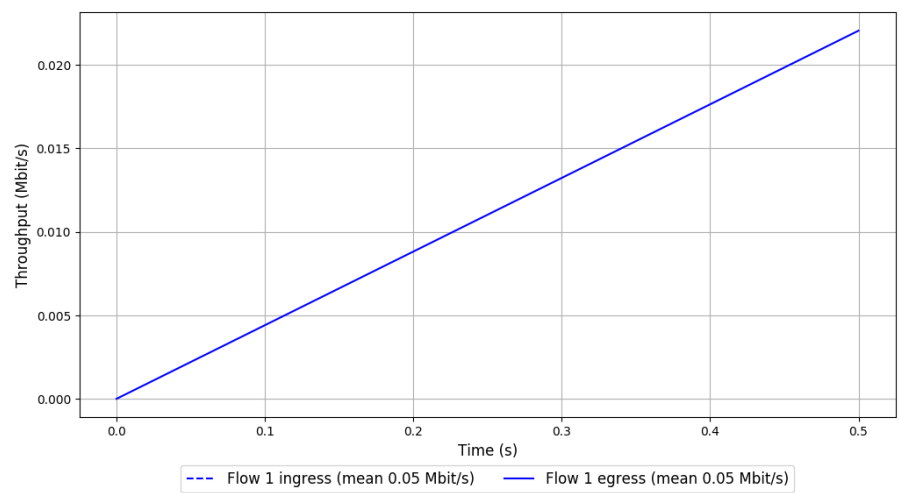
Start at: 2018-08-09 14:29:12

End at: 2018-08-09 14:29:42

Local clock offset: -0.236 ms

Remote clock offset: -0.489 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

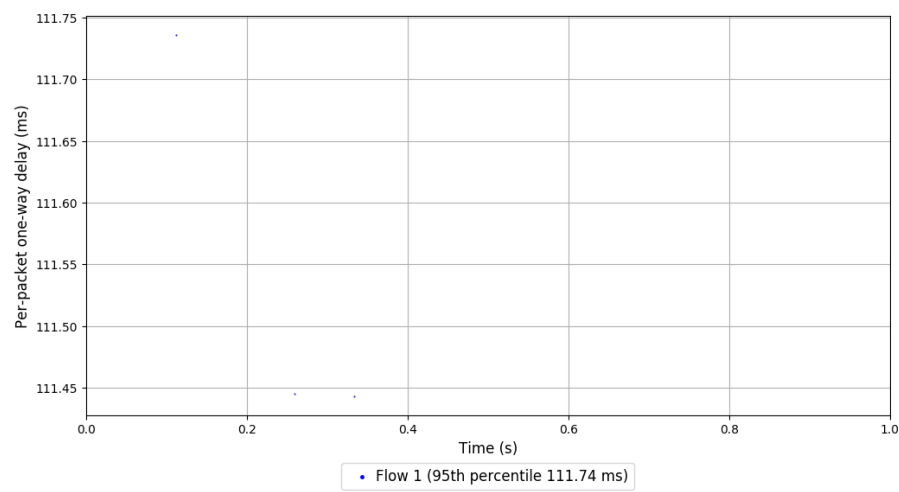
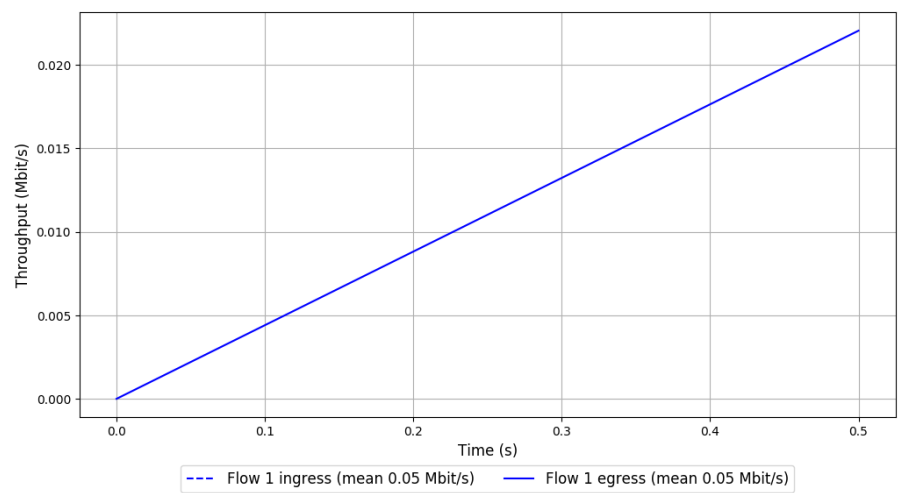
Start at: 2018-08-09 14:51:53

End at: 2018-08-09 14:52:23

Local clock offset: -0.411 ms

Remote clock offset: -0.373 ms

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

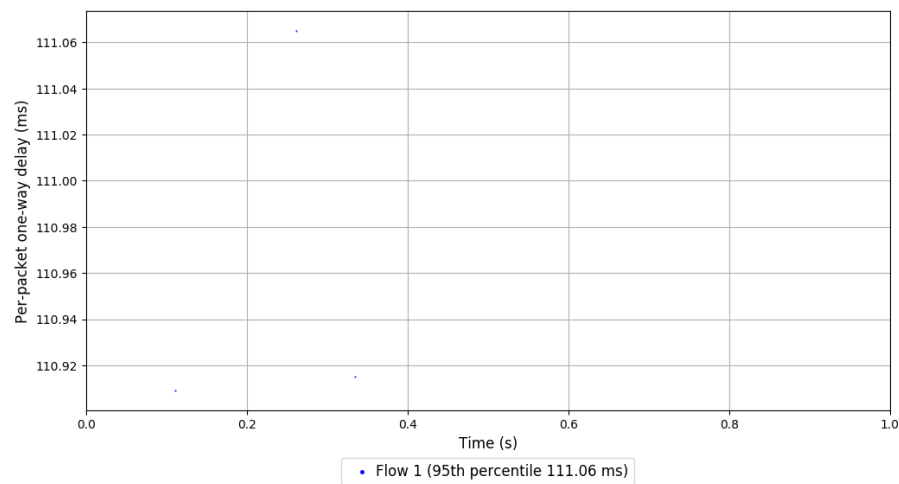
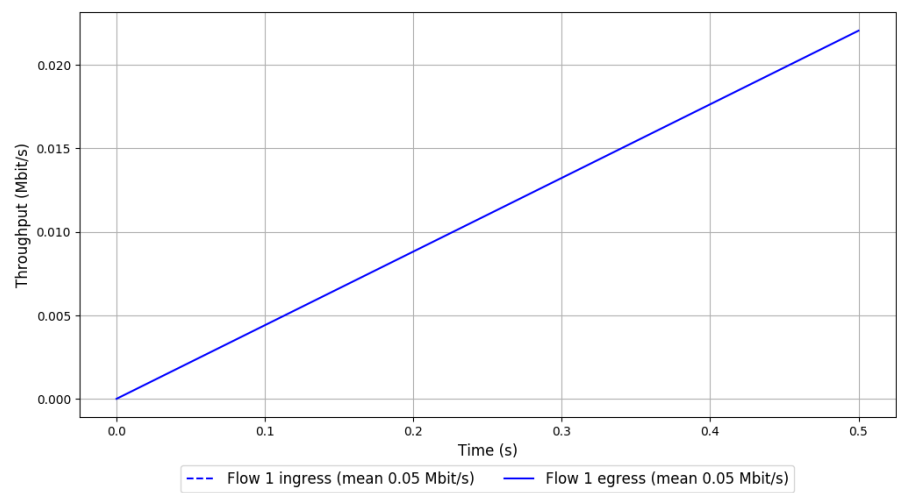
Start at: 2018-08-09 15:14:39

End at: 2018-08-09 15:15:09

Local clock offset: -0.249 ms

Remote clock offset: -0.038 ms

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

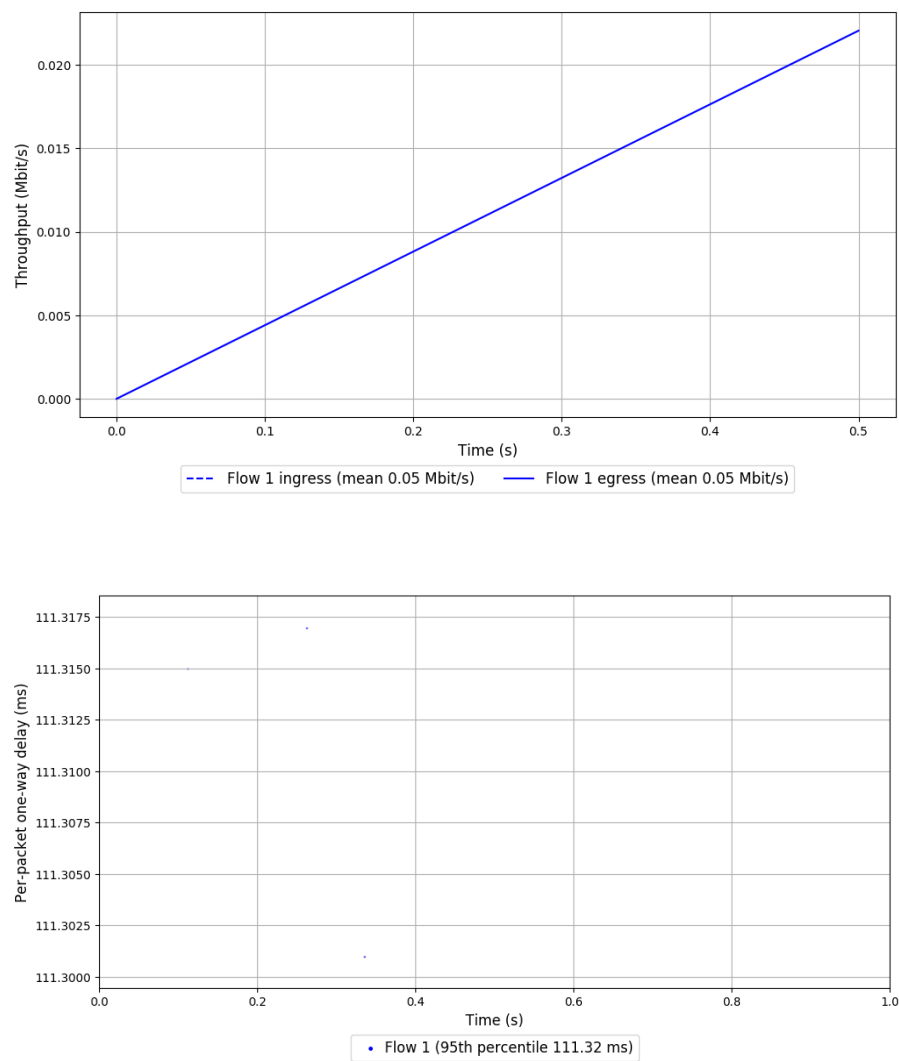
Start at: 2018-08-09 15:36:51

End at: 2018-08-09 15:37:21

Local clock offset: -0.086 ms

Remote clock offset: -0.21 ms

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

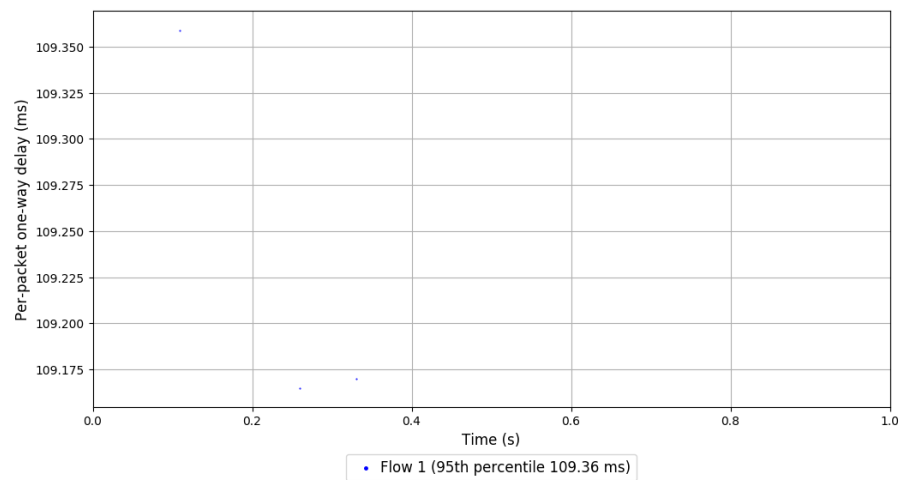
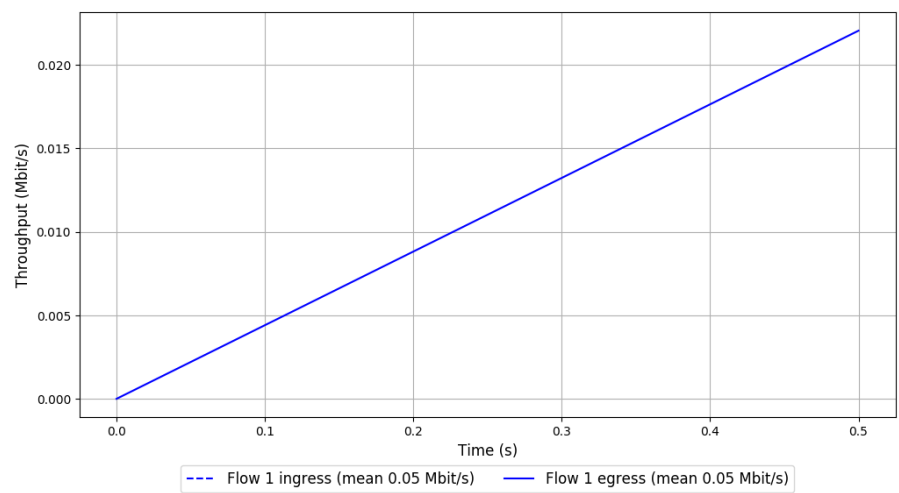
Start at: 2018-08-09 15:59:09

End at: 2018-08-09 15:59:39

Local clock offset: -1.359 ms

Remote clock offset: 0.29 ms

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

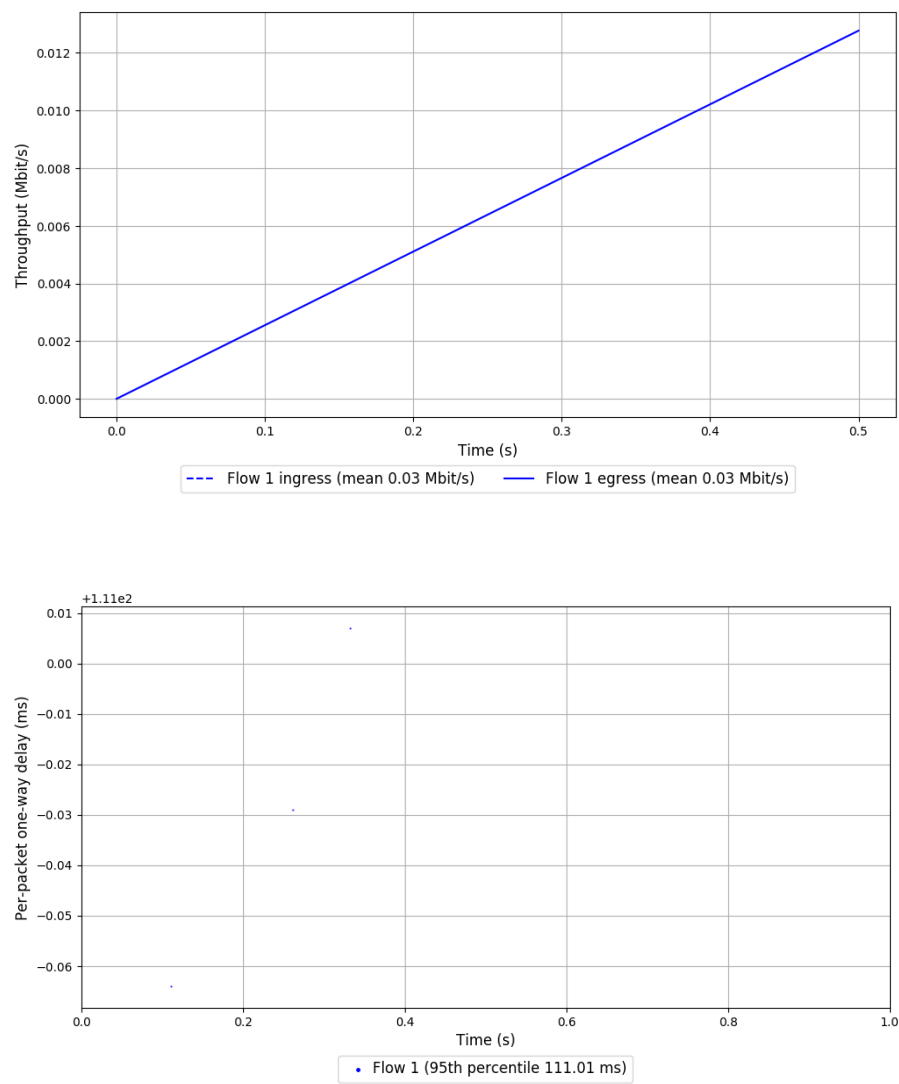
Start at: 2018-08-09 16:21:15

End at: 2018-08-09 16:21:45

Local clock offset: -0.092 ms

Remote clock offset: -0.043 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

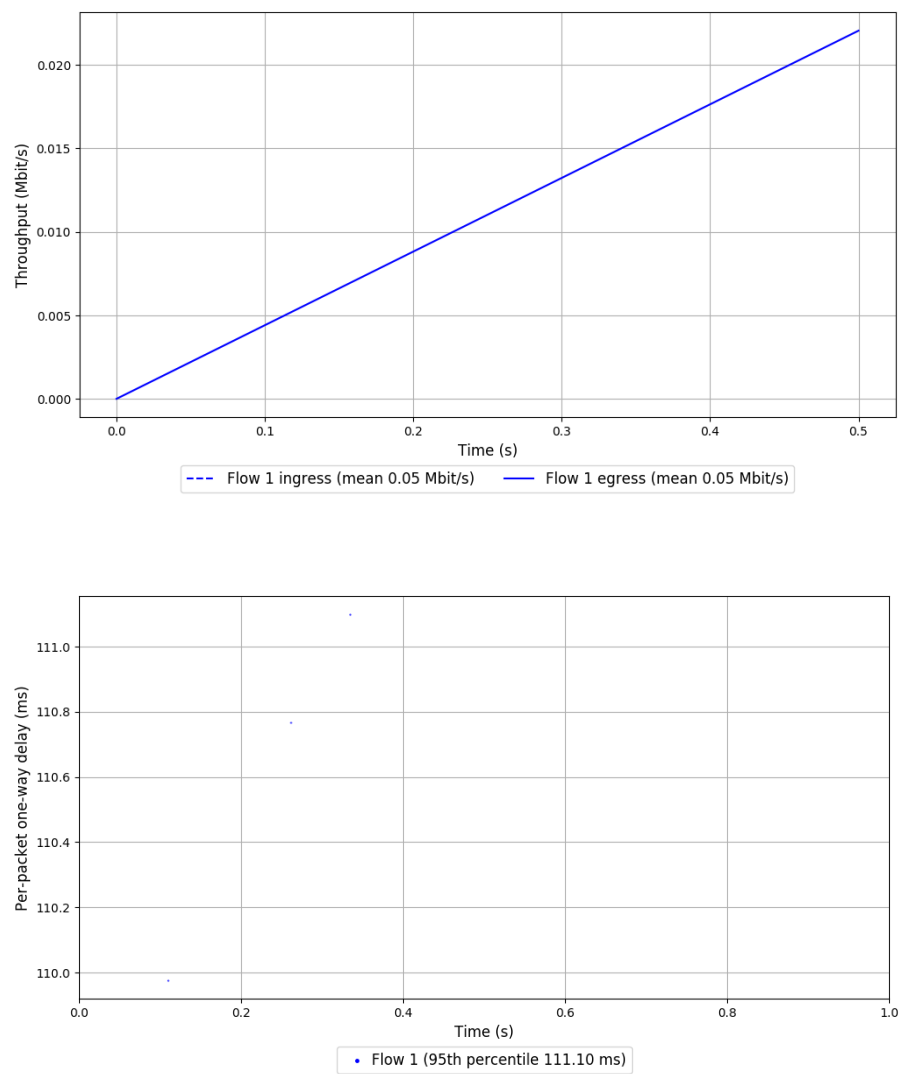
Start at: 2018-08-09 16:43:32

End at: 2018-08-09 16:44:02

Local clock offset: -0.632 ms

Remote clock offset: -0.182 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-08-09 17:05:48

End at: 2018-08-09 17:06:18

Local clock offset: 0.097 ms

Remote clock offset: -0.625 ms

Below is generated by plot.py at 2018-08-09 19:10:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.66 Mbit/s

95th percentile per-packet one-way delay: 112.686 ms

Loss rate: 0.81%

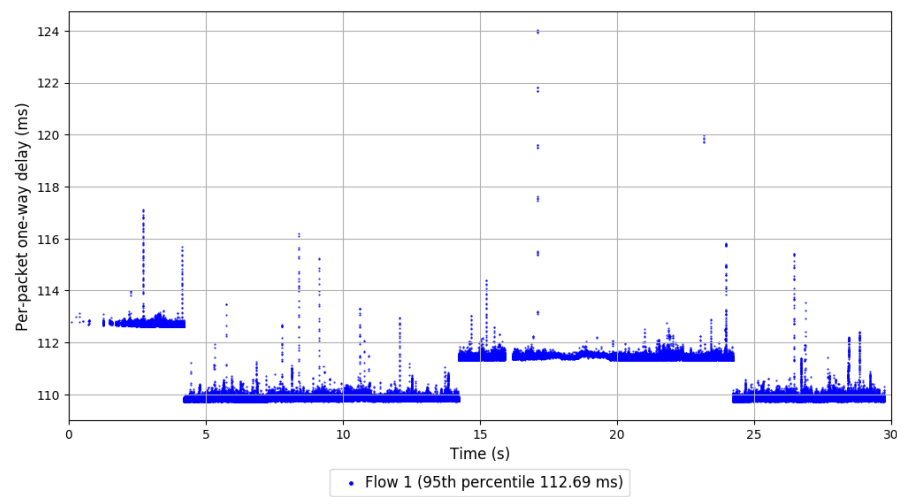
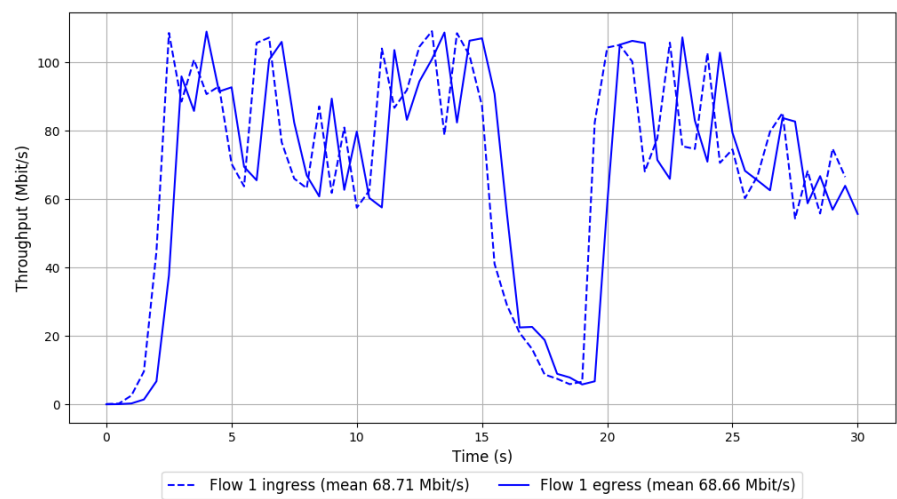
-- Flow 1:

Average throughput: 68.66 Mbit/s

95th percentile per-packet one-way delay: 112.686 ms

Loss rate: 0.81%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

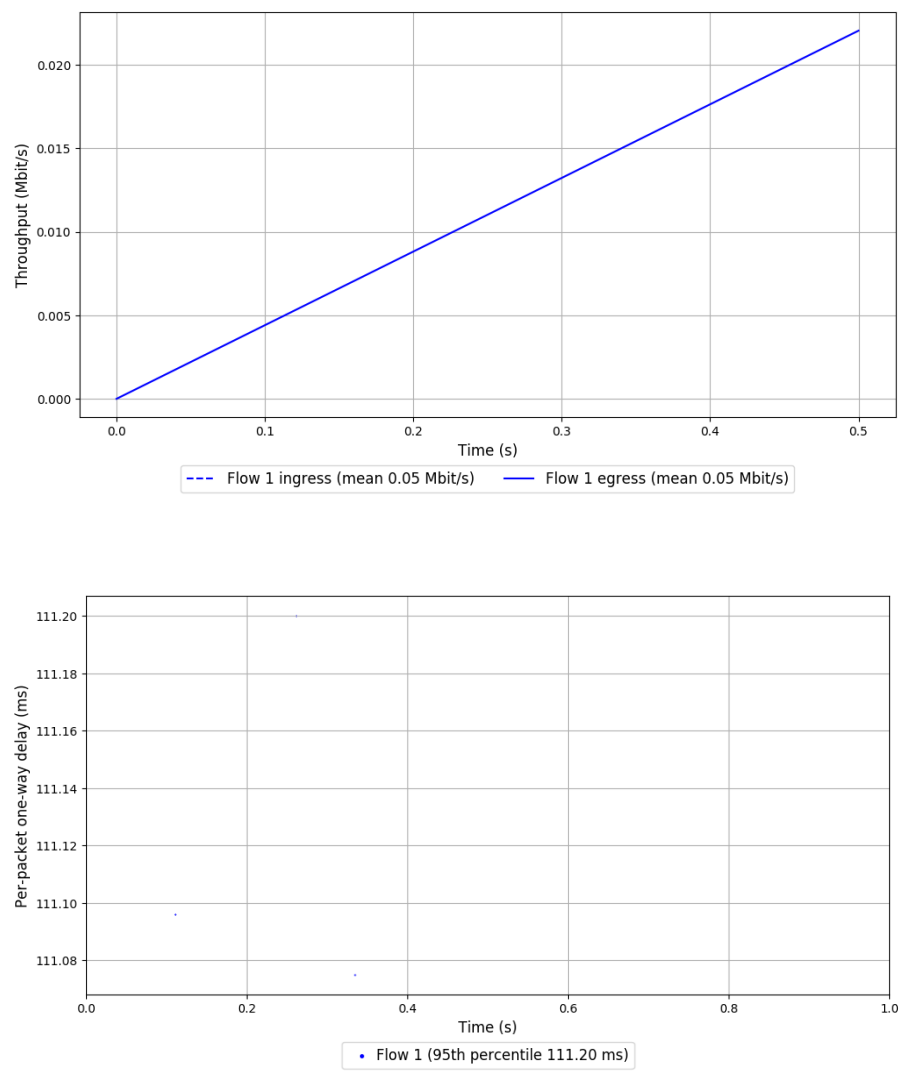
Start at: 2018-08-09 17:28:34

End at: 2018-08-09 17:29:04

Local clock offset: -0.124 ms

Remote clock offset: -0.055 ms

Run 10: Report of QUIC Cubic — Data Link

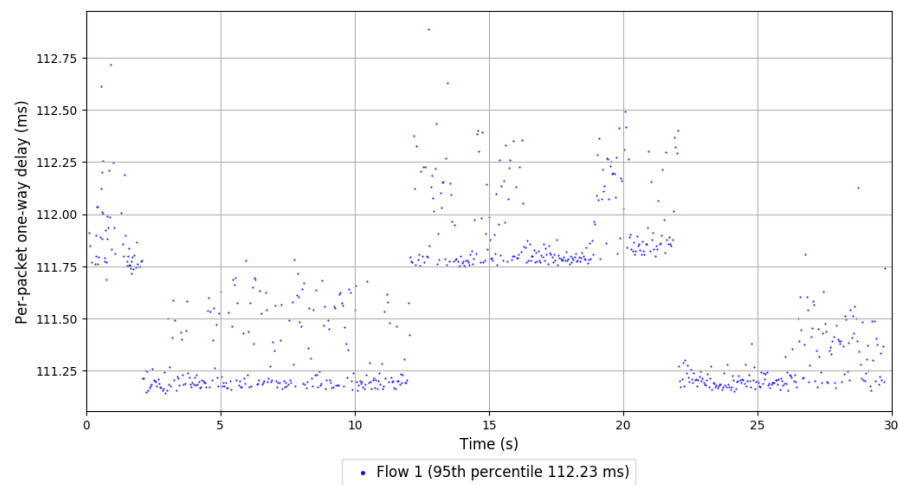
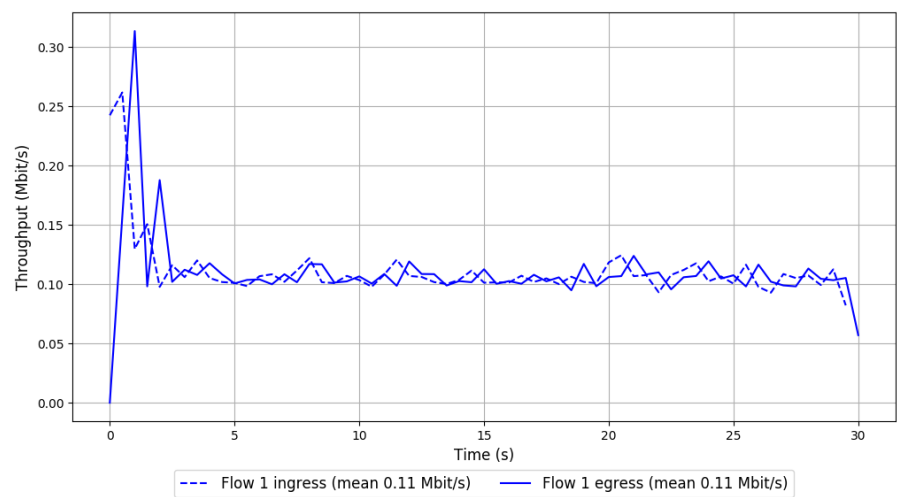


```
Run 1: Statistics of SCReAM

Start at: 2018-08-09 14:02:30
End at: 2018-08-09 14:03:00
Local clock offset: 0.292 ms
Remote clock offset: 0.239 ms

# Below is generated by plot.py at 2018-08-09 19:10:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 112.226 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 112.226 ms
Loss rate: 0.74%
```

Run 1: Report of SReAM — Data Link

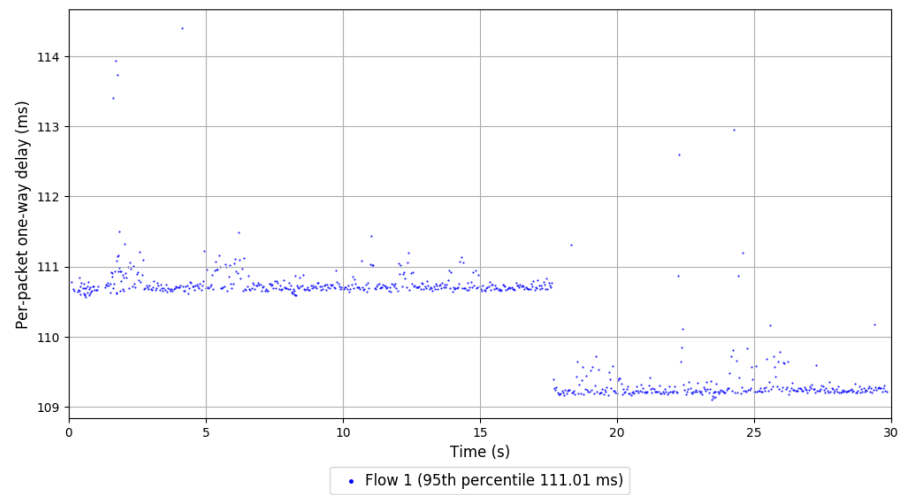
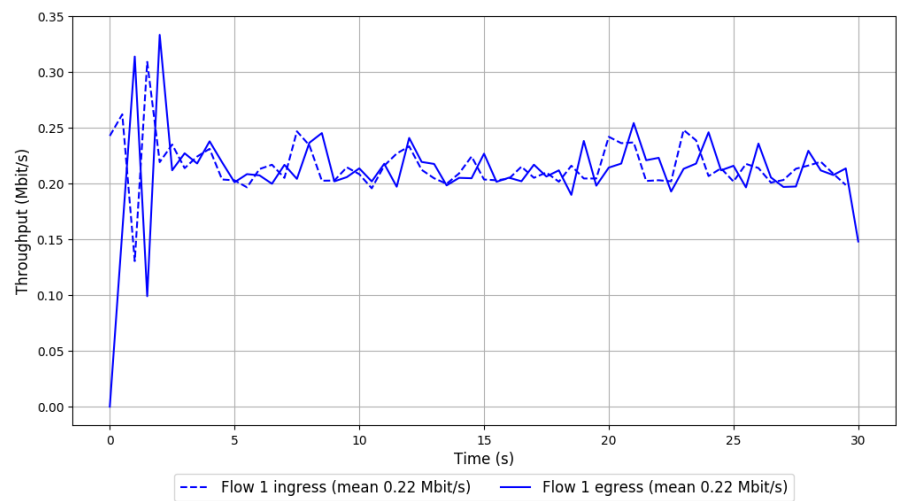


```
Run 2: Statistics of SCReAM

Start at: 2018-08-09 14:25:04
End at: 2018-08-09 14:25:34
Local clock offset: -0.884 ms
Remote clock offset: 0.255 ms

# Below is generated by plot.py at 2018-08-09 19:10:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.011 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.011 ms
Loss rate: 0.77%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-08-09 14:47:45

End at: 2018-08-09 14:48:15

Local clock offset: -0.318 ms

Remote clock offset: 0.334 ms

Below is generated by plot.py at 2018-08-09 19:10:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 109.767 ms

Loss rate: 0.64%

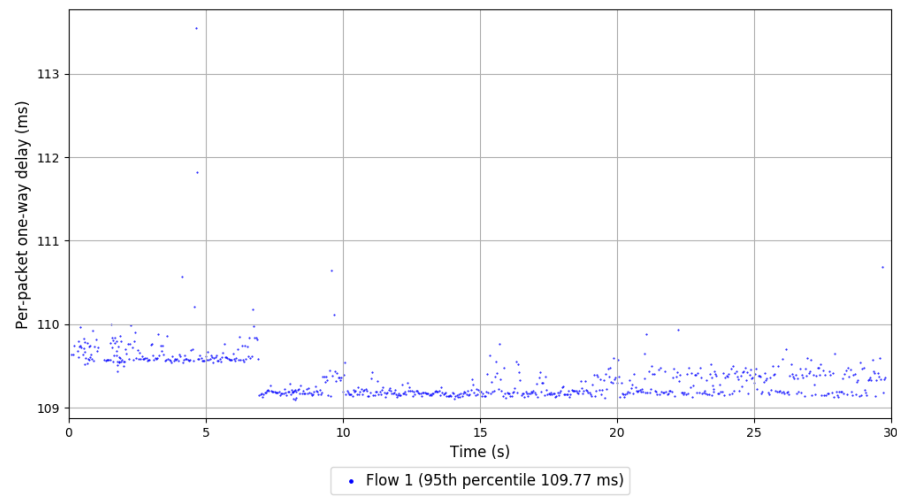
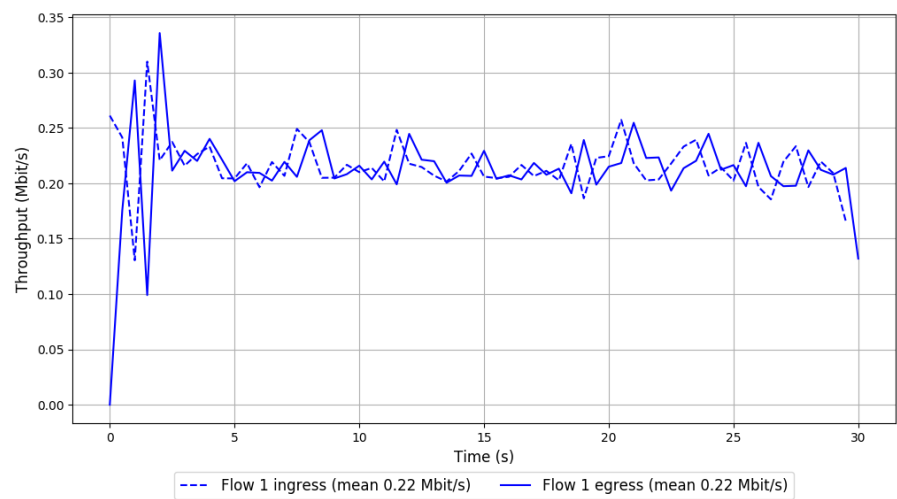
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 109.767 ms

Loss rate: 0.64%

Run 3: Report of SReAM — Data Link

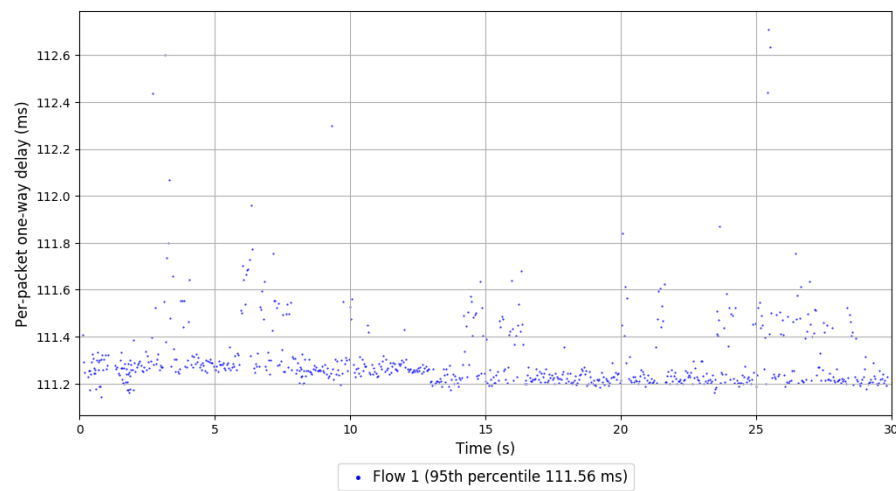
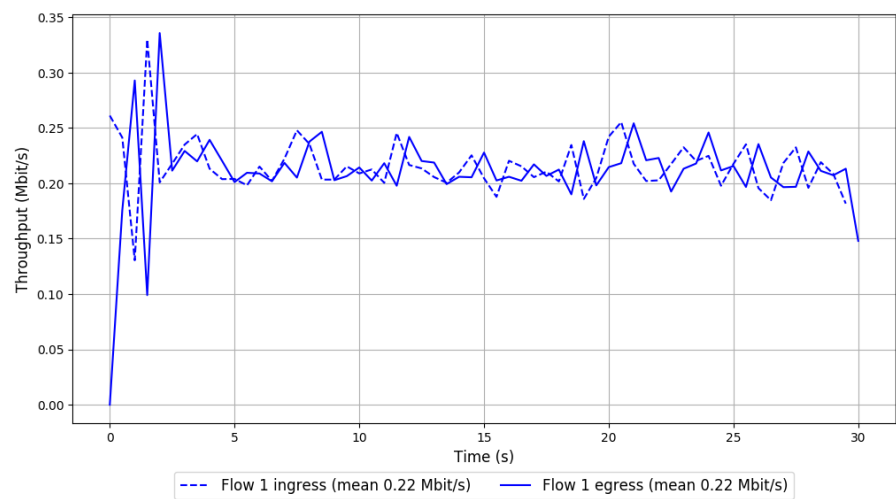


Run 4: Statistics of SCReAM

Start at: 2018-08-09 15:10:27
End at: 2018-08-09 15:10:57
Local clock offset: -0.178 ms
Remote clock offset: -0.321 ms

Below is generated by plot.py at 2018-08-09 19:10:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.562 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.562 ms
Loss rate: 0.64%

Run 4: Report of SReAM — Data Link

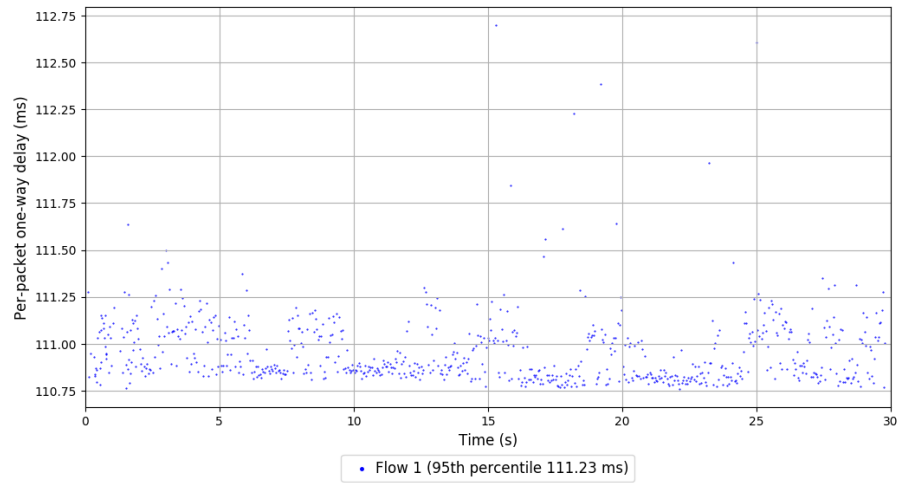
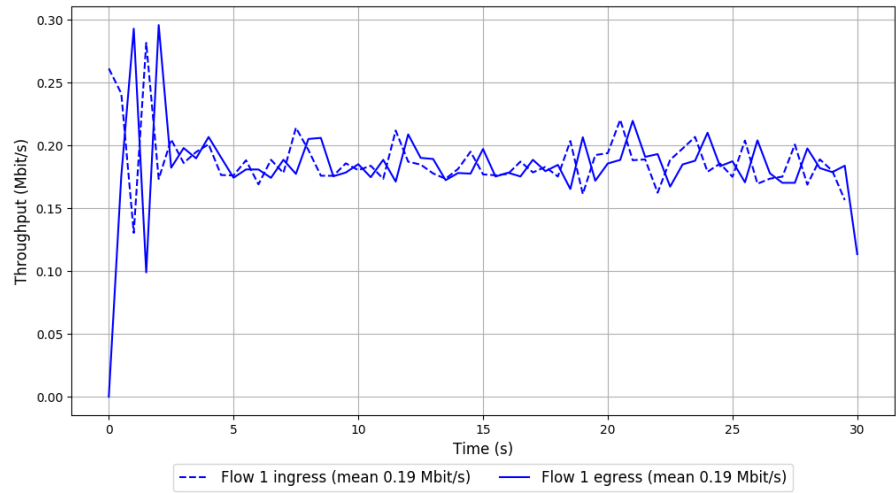


Run 5: Statistics of SCReAM

Start at: 2018-08-09 15:32:48
End at: 2018-08-09 15:33:18
Local clock offset: -0.326 ms
Remote clock offset: -0.189 ms

Below is generated by plot.py at 2018-08-09 19:10:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 111.232 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 111.232 ms
Loss rate: 0.76%

Run 5: Report of SReAM — Data Link

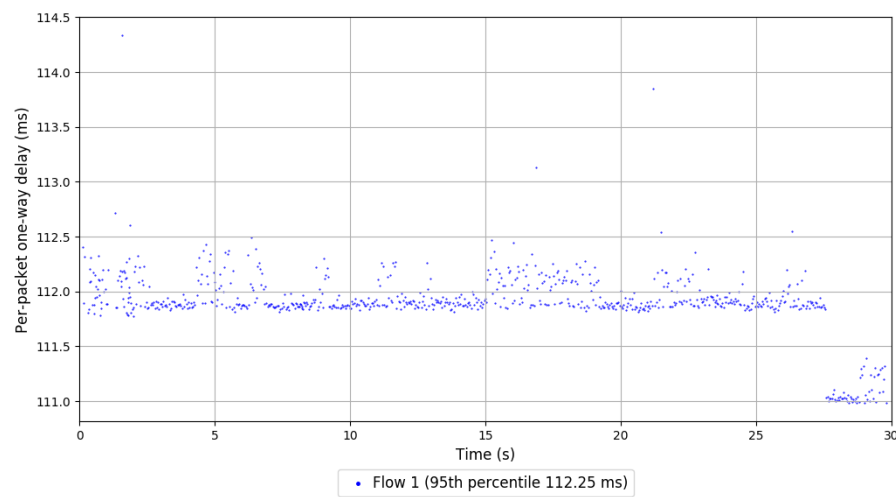
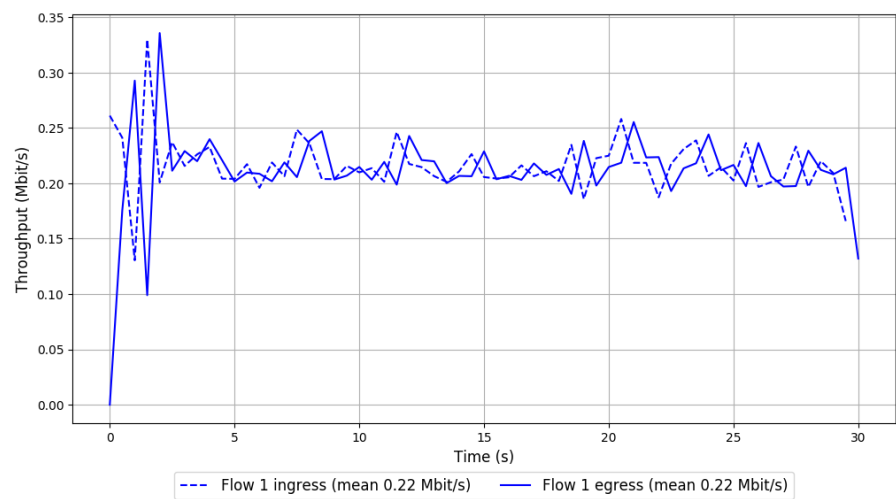


Run 6: Statistics of SCReAM

Start at: 2018-08-09 15:55:04
End at: 2018-08-09 15:55:34
Local clock offset: 0.332 ms
Remote clock offset: -0.426 ms

Below is generated by plot.py at 2018-08-09 19:10:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.253 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.253 ms
Loss rate: 0.64%

Run 6: Report of SReAM — Data Link

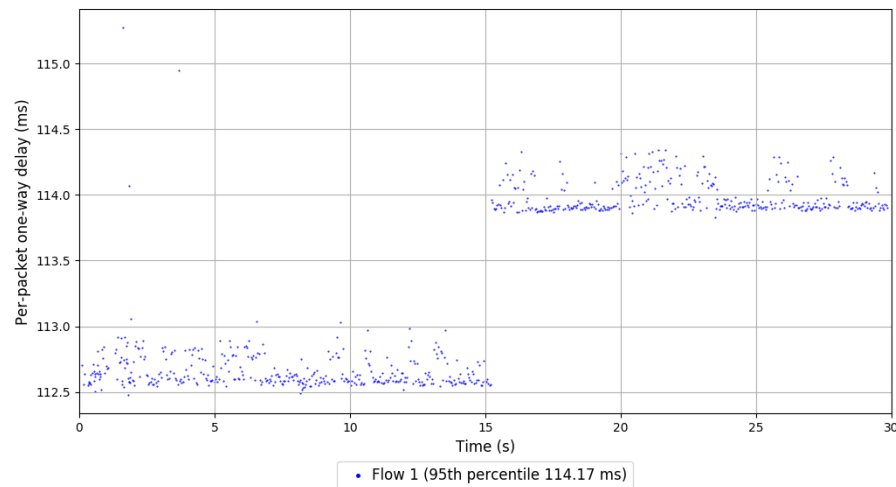
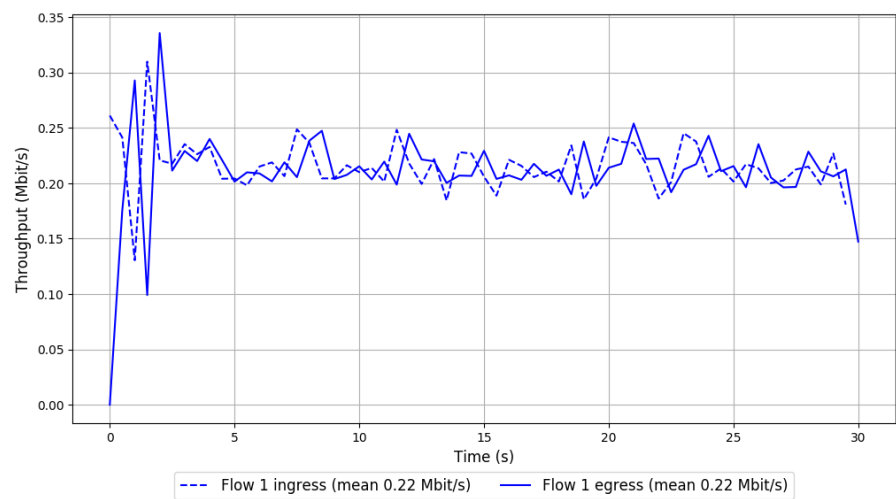


Run 7: Statistics of SCReAM

Start at: 2018-08-09 16:17:17
End at: 2018-08-09 16:17:47
Local clock offset: 1.362 ms
Remote clock offset: -0.163 ms

Below is generated by plot.py at 2018-08-09 19:10:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 114.175 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 114.175 ms
Loss rate: 0.64%

Run 7: Report of SReAM — Data Link

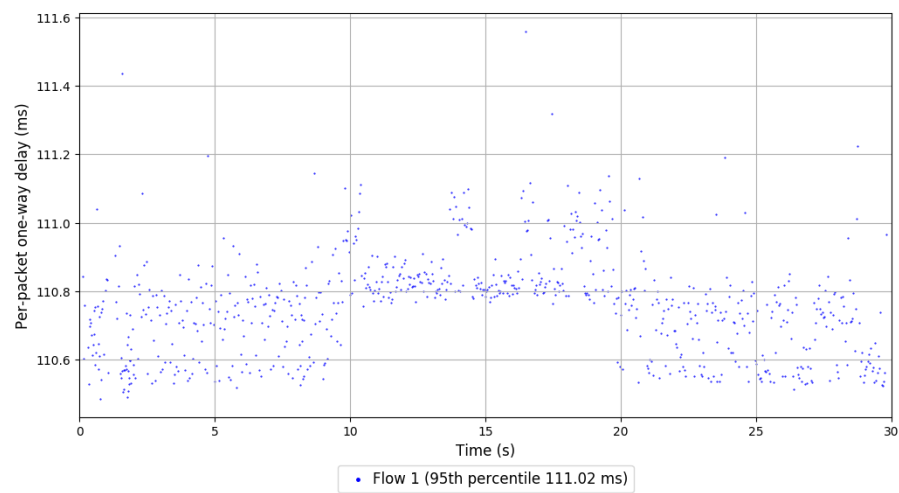
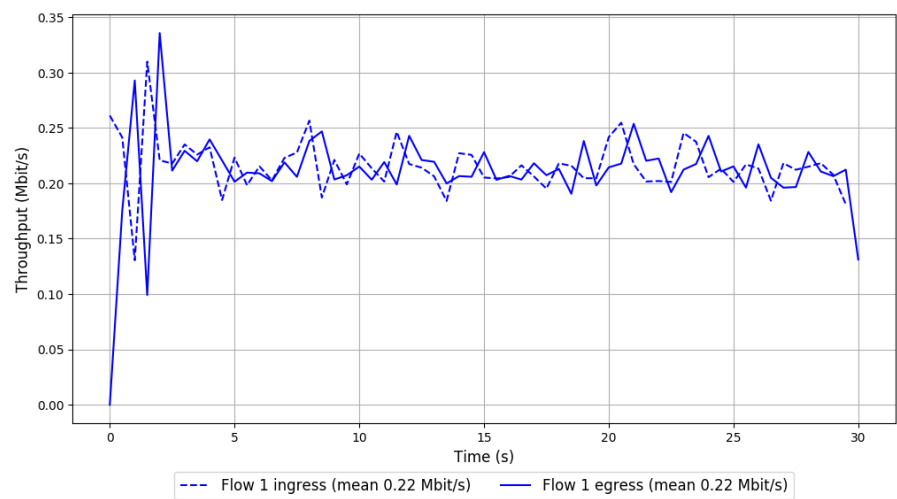


Run 8: Statistics of SCReAM

Start at: 2018-08-09 16:39:32
End at: 2018-08-09 16:40:02
Local clock offset: -0.613 ms
Remote clock offset: -0.164 ms

Below is generated by plot.py at 2018-08-09 19:10:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.019 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.019 ms
Loss rate: 0.76%

Run 8: Report of SReAM — Data Link

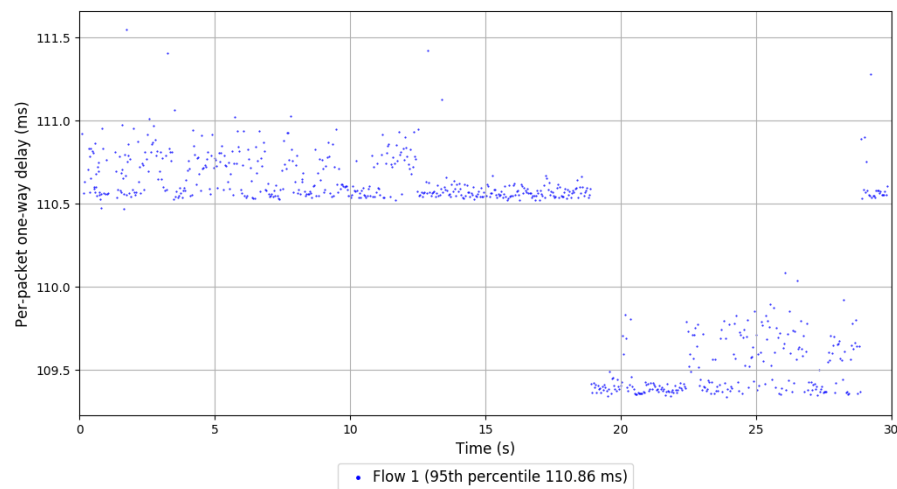
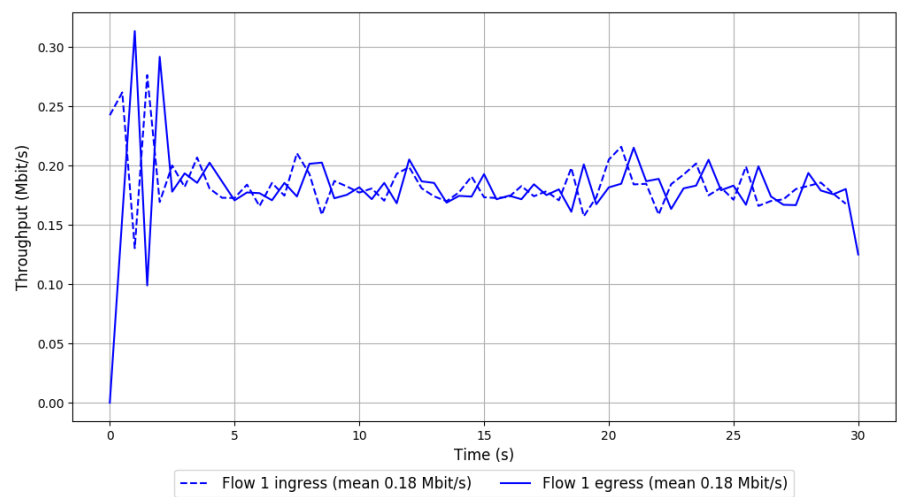


Run 9: Statistics of SCReAM

Start at: 2018-08-09 17:01:43
End at: 2018-08-09 17:02:13
Local clock offset: -0.937 ms
Remote clock offset: -0.245 ms

Below is generated by plot.py at 2018-08-09 19:10:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 110.860 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 110.860 ms
Loss rate: 0.76%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-08-09 17:24:27

End at: 2018-08-09 17:24:57

Local clock offset: 0.14 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-08-09 19:10:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 109.767 ms

Loss rate: 0.76%

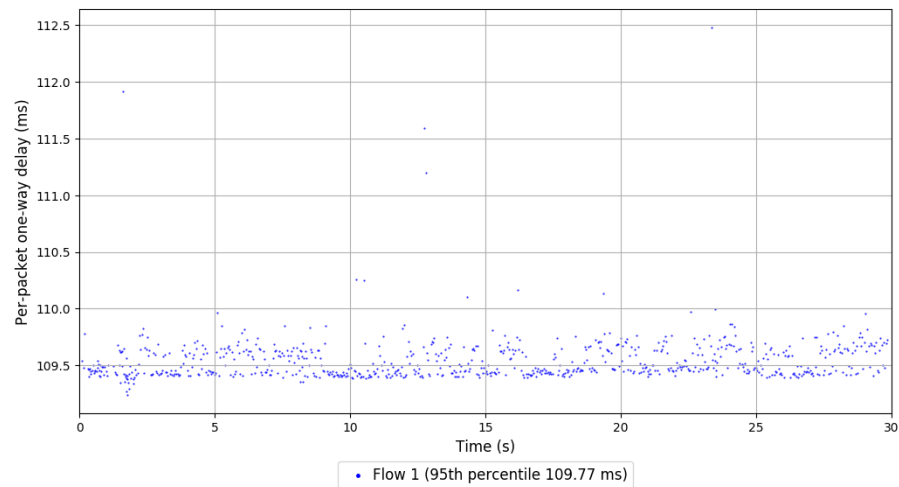
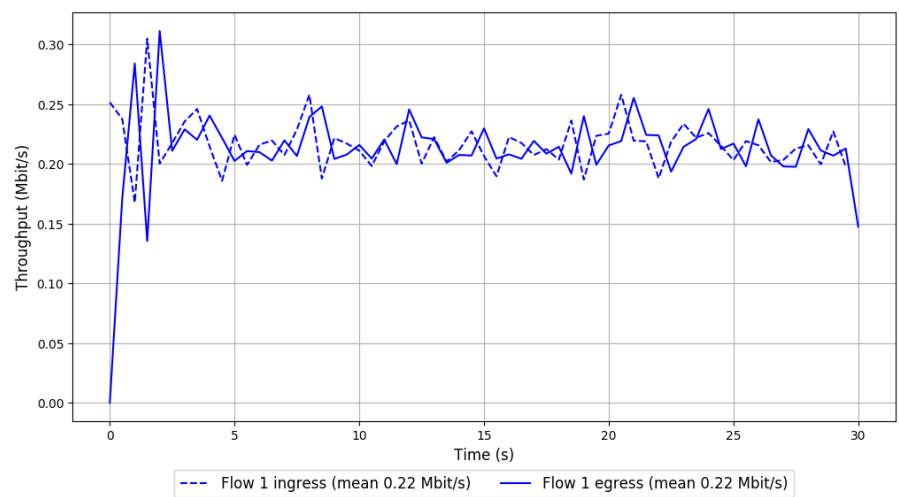
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 109.767 ms

Loss rate: 0.76%

Run 10: Report of SReAM — Data Link

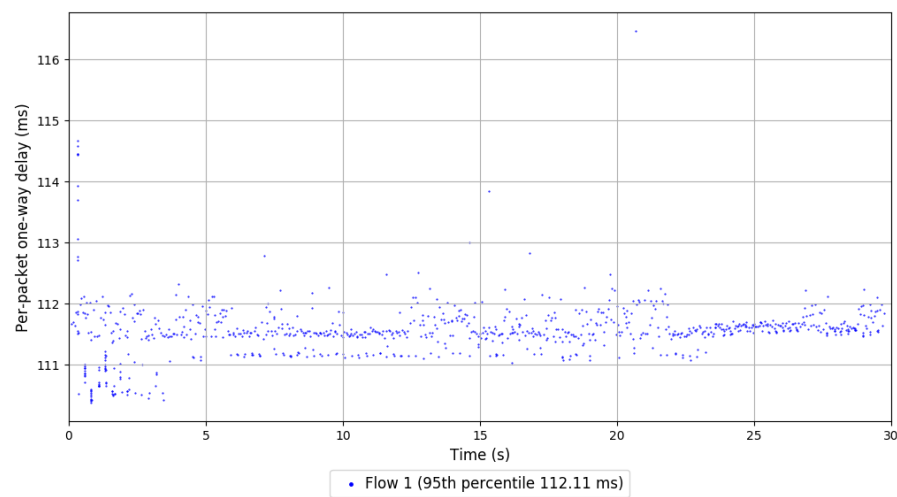
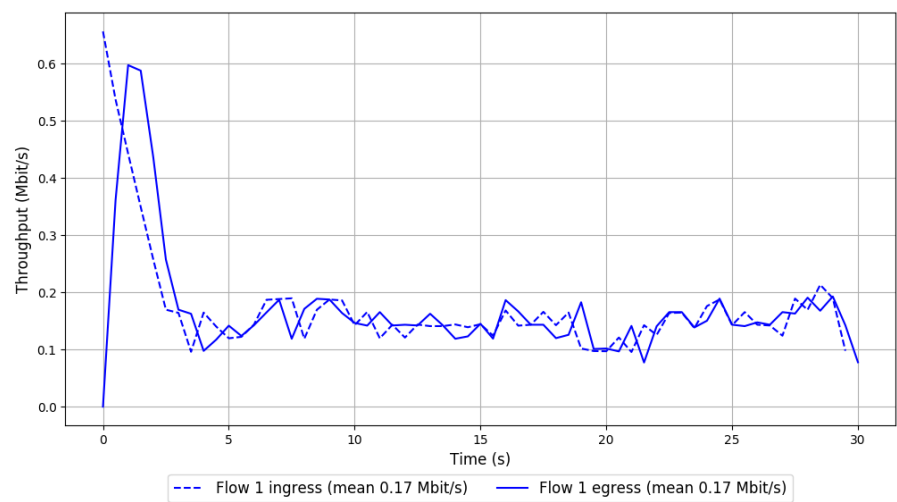


Run 1: Statistics of Sprout

Start at: 2018-08-09 14:18:58
End at: 2018-08-09 14:19:28
Local clock offset: -0.223 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-08-09 19:10:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 112.108 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 112.108 ms
Loss rate: 0.90%

Run 1: Report of Sprout — Data Link

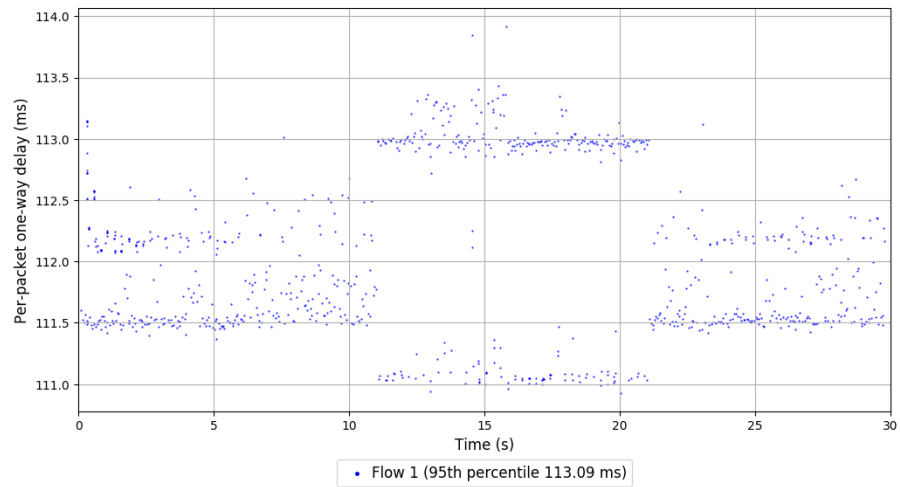
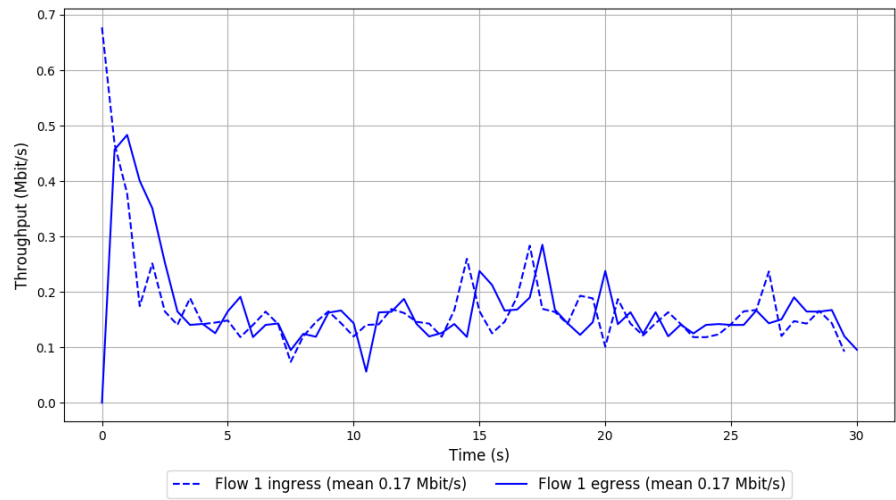


Run 2: Statistics of Sprout

Start at: 2018-08-09 14:41:41
End at: 2018-08-09 14:42:11
Local clock offset: -0.028 ms
Remote clock offset: -0.39 ms

Below is generated by plot.py at 2018-08-09 19:10:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 113.090 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 113.090 ms
Loss rate: 0.23%

Run 2: Report of Sprout — Data Link

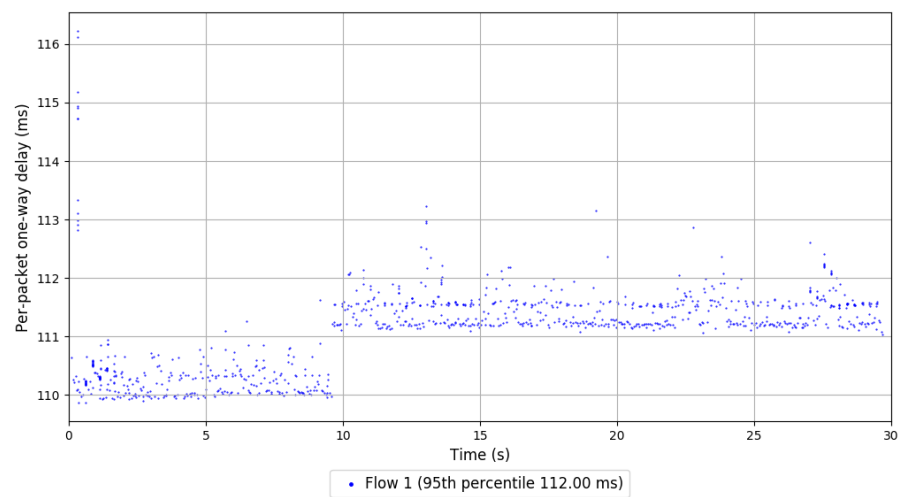
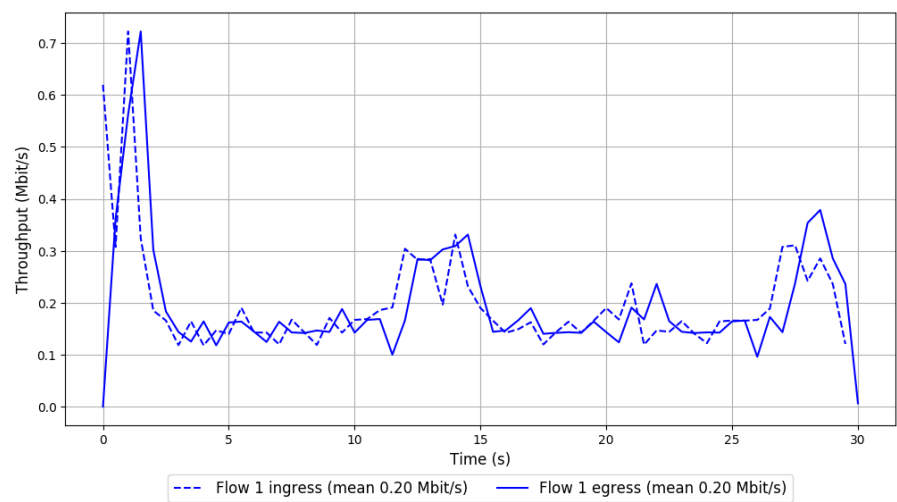


Run 3: Statistics of Sprout

Start at: 2018-08-09 15:04:22
End at: 2018-08-09 15:04:52
Local clock offset: -0.236 ms
Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-08-09 19:10:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.997 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.997 ms
Loss rate: 0.98%

Run 3: Report of Sprout — Data Link

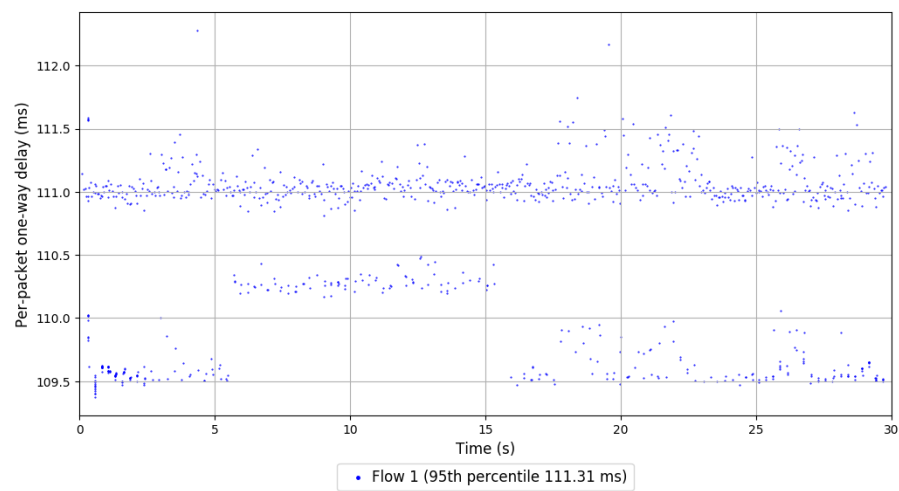
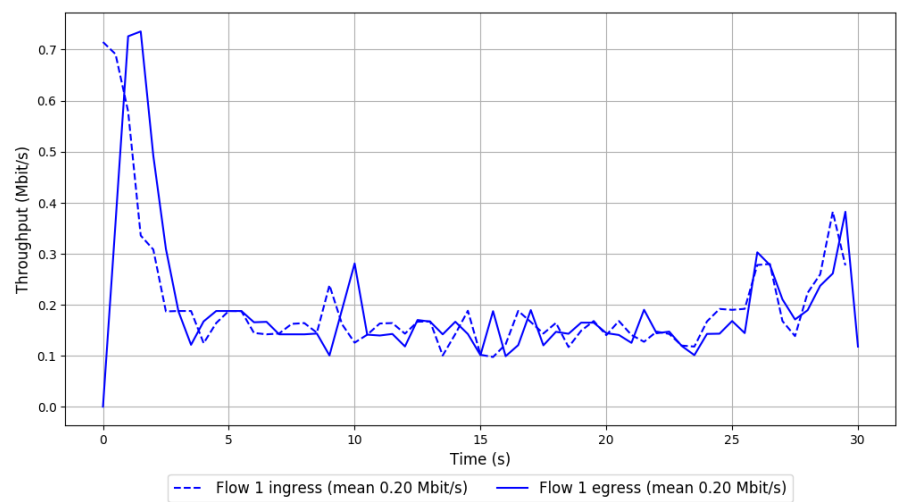


Run 4: Statistics of Sprout

Start at: 2018-08-09 15:26:46
End at: 2018-08-09 15:27:16
Local clock offset: -0.12 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-08-09 19:10:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.310 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.310 ms
Loss rate: 1.36%

Run 4: Report of Sprout — Data Link

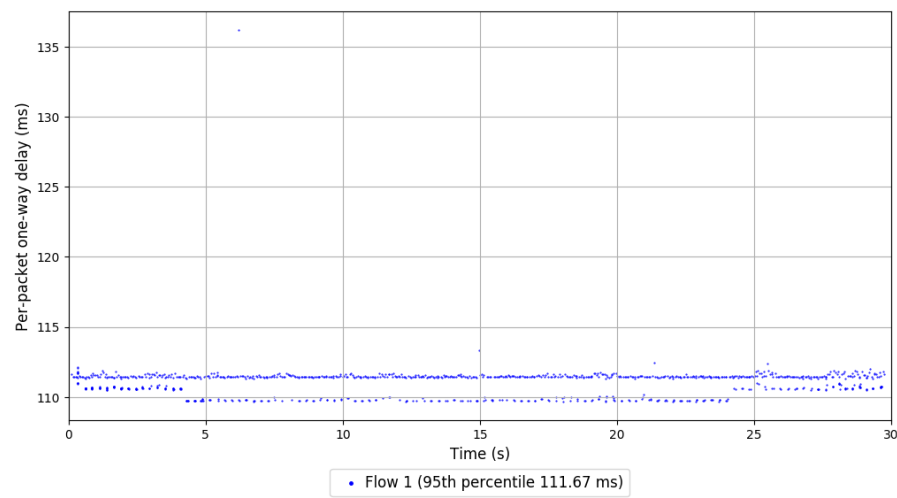
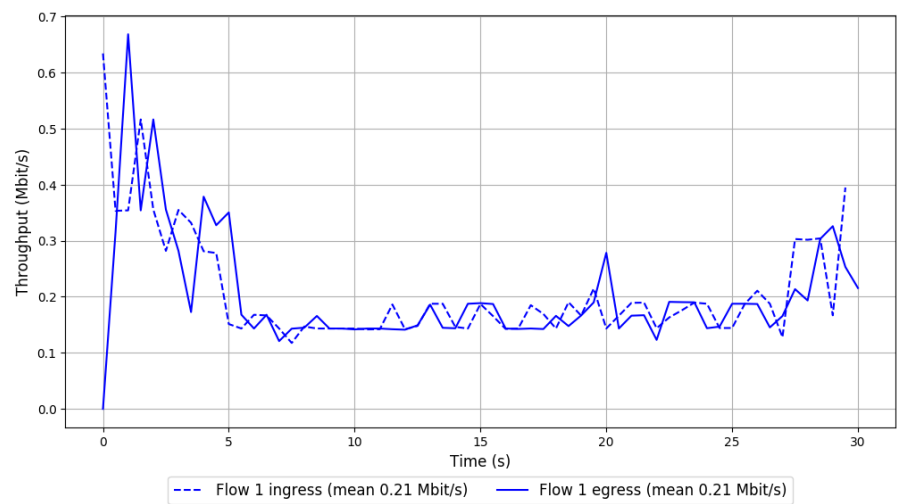


Run 5: Statistics of Sprout

Start at: 2018-08-09 15:49:18
End at: 2018-08-09 15:49:48
Local clock offset: -0.137 ms
Remote clock offset: -0.506 ms

Below is generated by plot.py at 2018-08-09 19:10:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 111.668 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 111.668 ms
Loss rate: 1.47%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-08-09 16:11:26

End at: 2018-08-09 16:11:56

Local clock offset: -0.159 ms

Remote clock offset: 0.361 ms

Below is generated by plot.py at 2018-08-09 19:10:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 110.837 ms

Loss rate: 0.56%

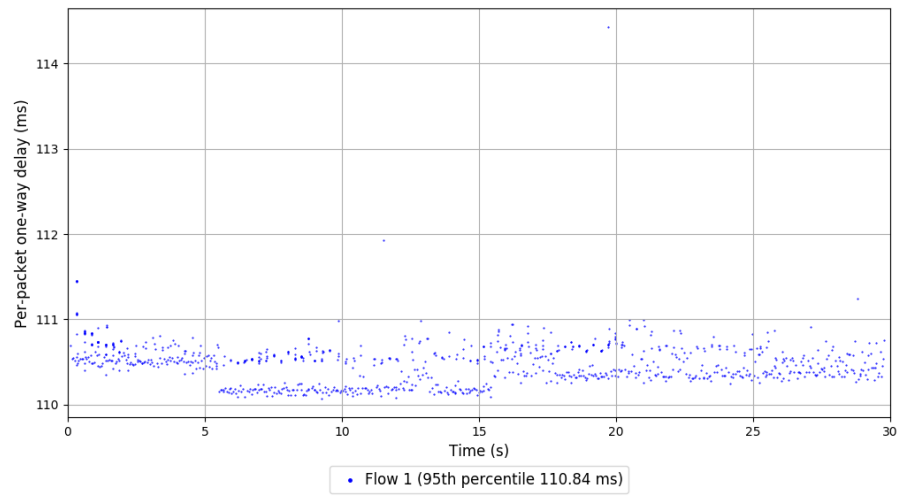
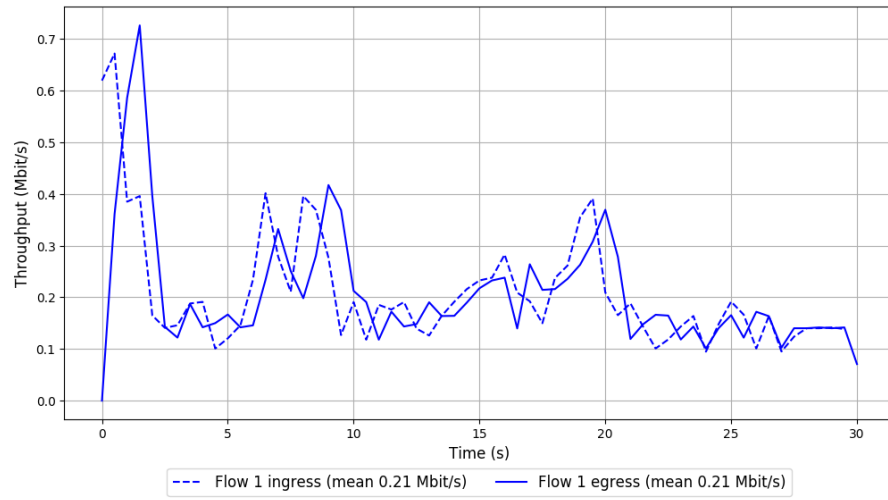
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 110.837 ms

Loss rate: 0.56%

Run 6: Report of Sprout — Data Link

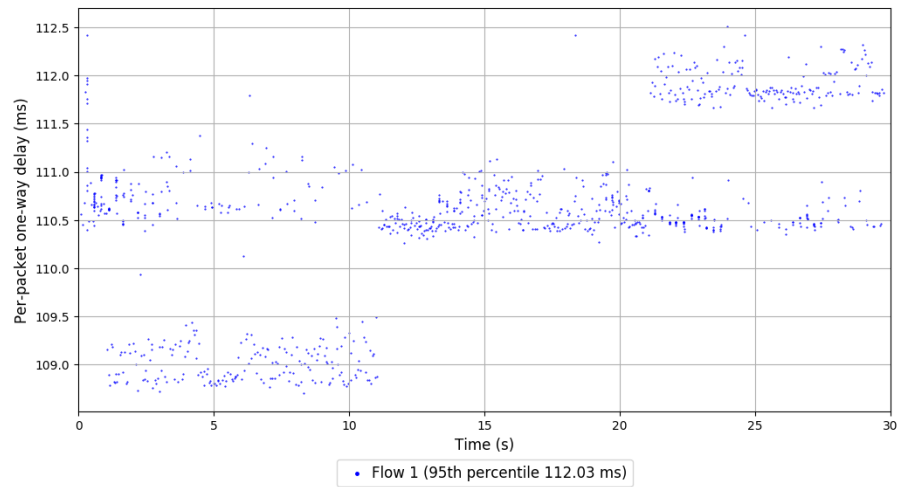
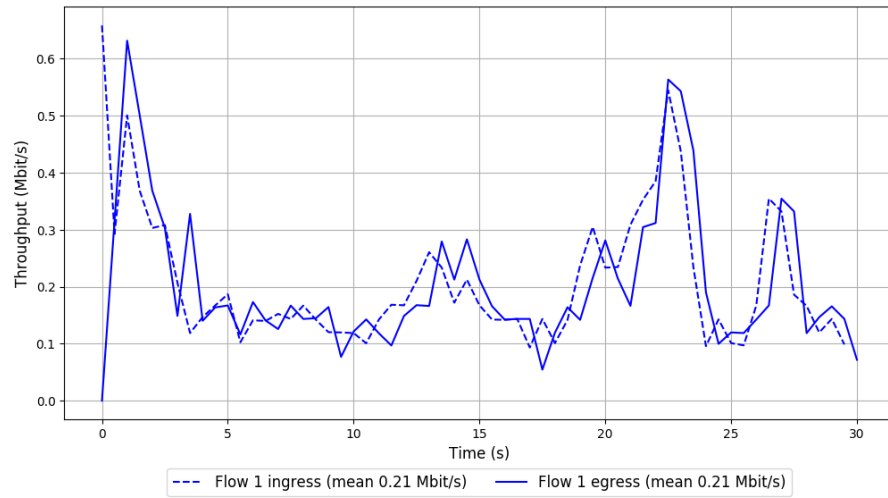


Run 7: Statistics of Sprout

Start at: 2018-08-09 16:33:31
End at: 2018-08-09 16:34:01
Local clock offset: -0.688 ms
Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-08-09 19:10:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.027 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.027 ms
Loss rate: 0.57%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-08-09 16:55:37

End at: 2018-08-09 16:56:07

Local clock offset: -0.291 ms

Remote clock offset: 0.154 ms

Below is generated by plot.py at 2018-08-09 19:10:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 110.934 ms

Loss rate: 0.65%

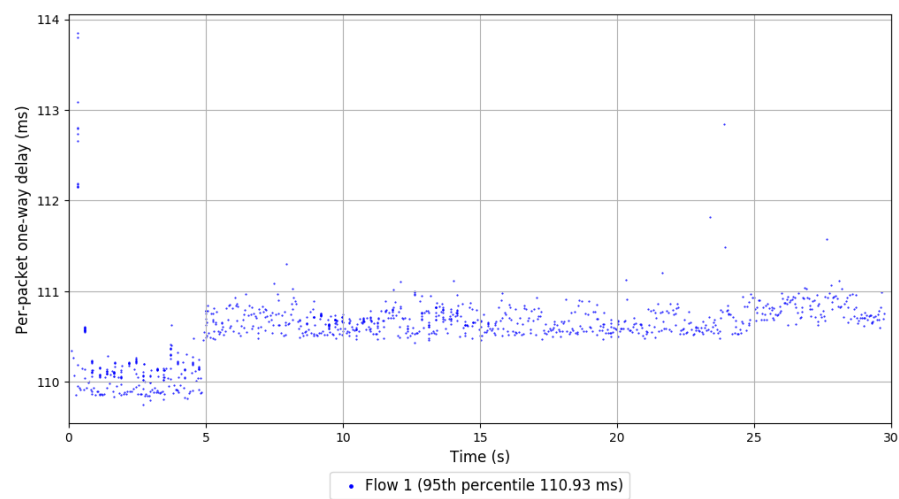
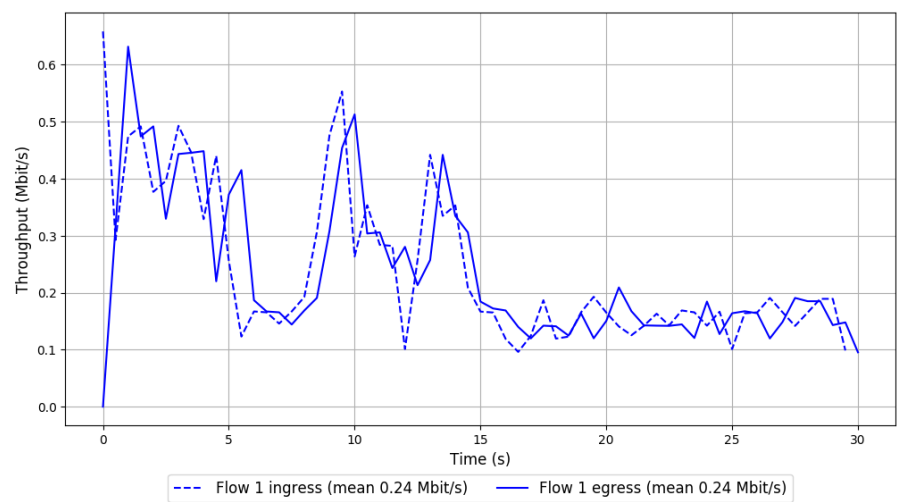
-- Flow 1:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 110.934 ms

Loss rate: 0.65%

Run 8: Report of Sprout — Data Link

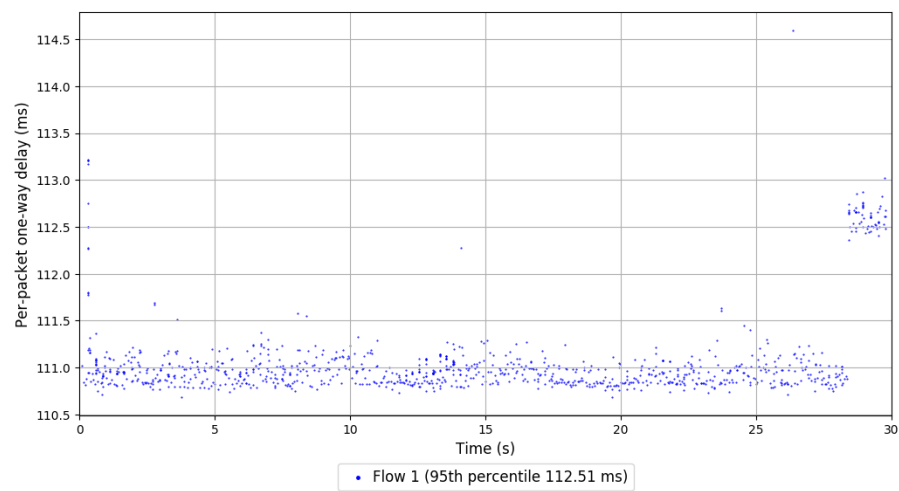
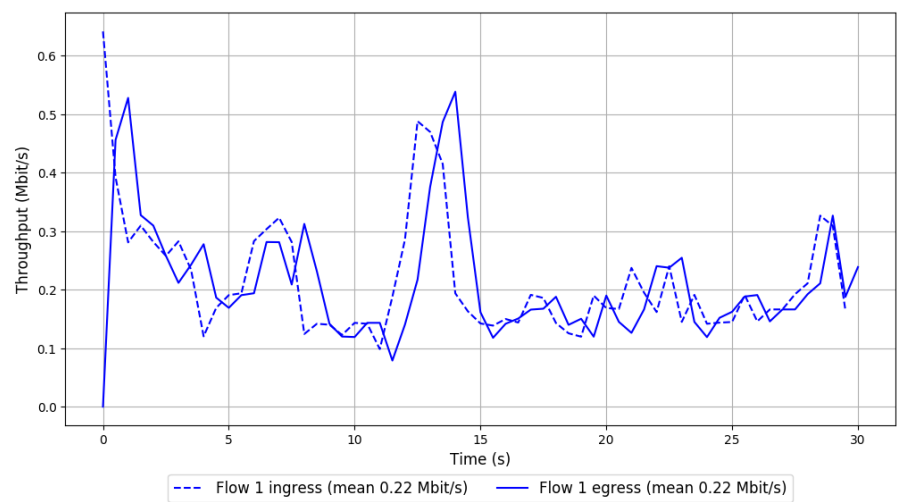


Run 9: Statistics of Sprout

Start at: 2018-08-09 17:18:24
End at: 2018-08-09 17:18:54
Local clock offset: 1.372 ms
Remote clock offset: -0.328 ms

Below is generated by plot.py at 2018-08-09 19:10:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.508 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.508 ms
Loss rate: 0.39%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-08-09 17:40:41

End at: 2018-08-09 17:41:11

Local clock offset: 0.011 ms

Remote clock offset: 0.208 ms

Below is generated by plot.py at 2018-08-09 19:10:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.676 ms

Loss rate: 0.94%

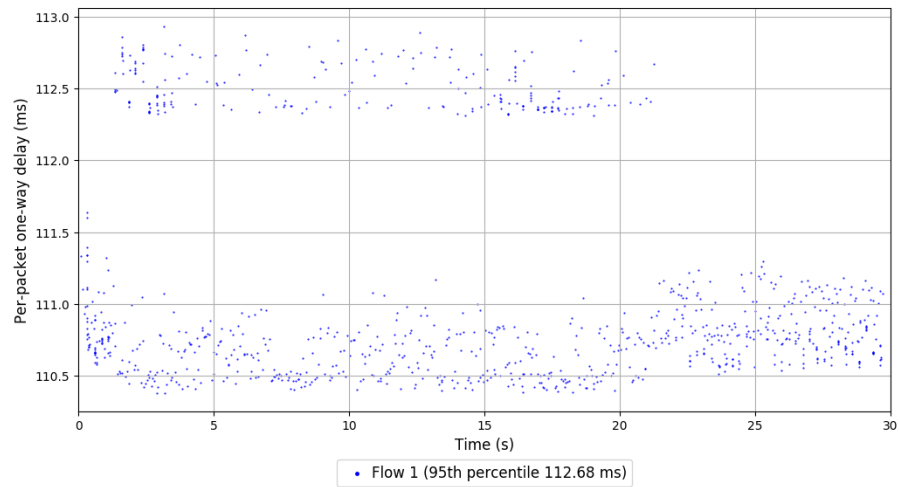
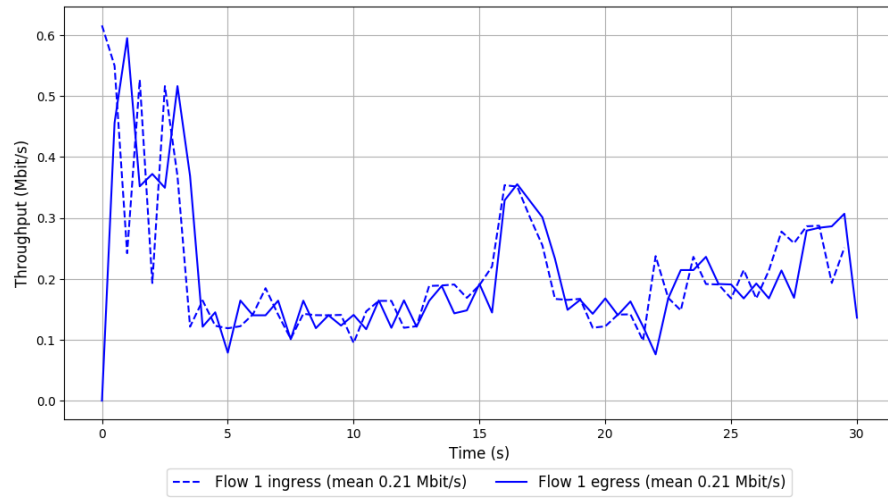
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.676 ms

Loss rate: 0.94%

Run 10: Report of Sprout — Data Link

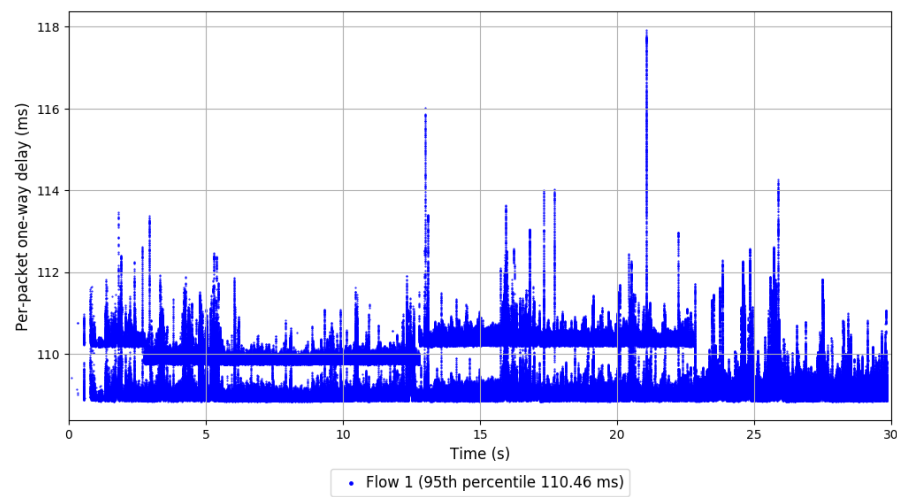
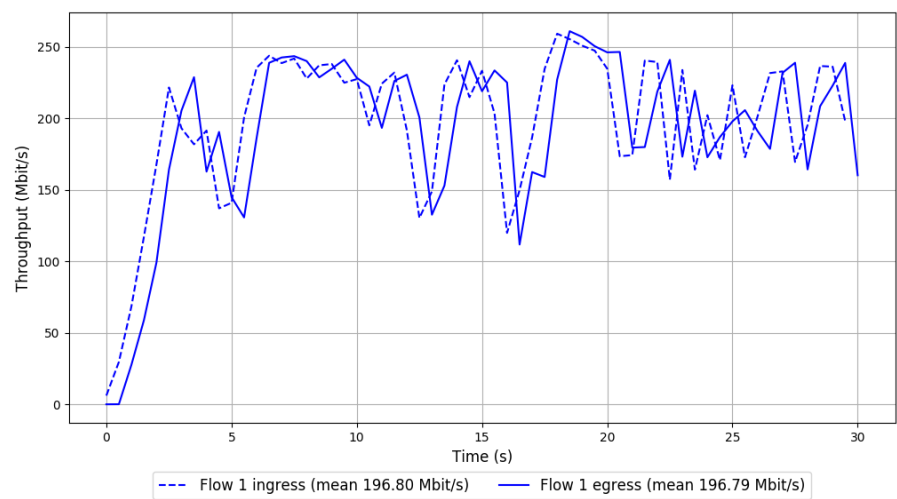


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-08-09 14:21:19
End at: 2018-08-09 14:21:49
Local clock offset: -0.967 ms
Remote clock offset: 0.27 ms

# Below is generated by plot.py at 2018-08-09 19:11:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 196.79 Mbit/s
95th percentile per-packet one-way delay: 110.459 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 196.79 Mbit/s
95th percentile per-packet one-way delay: 110.459 ms
Loss rate: 0.74%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-08-09 14:44:02

End at: 2018-08-09 14:44:32

Local clock offset: -0.39 ms

Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-08-09 19:11:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 177.39 Mbit/s

95th percentile per-packet one-way delay: 112.191 ms

Loss rate: 1.00%

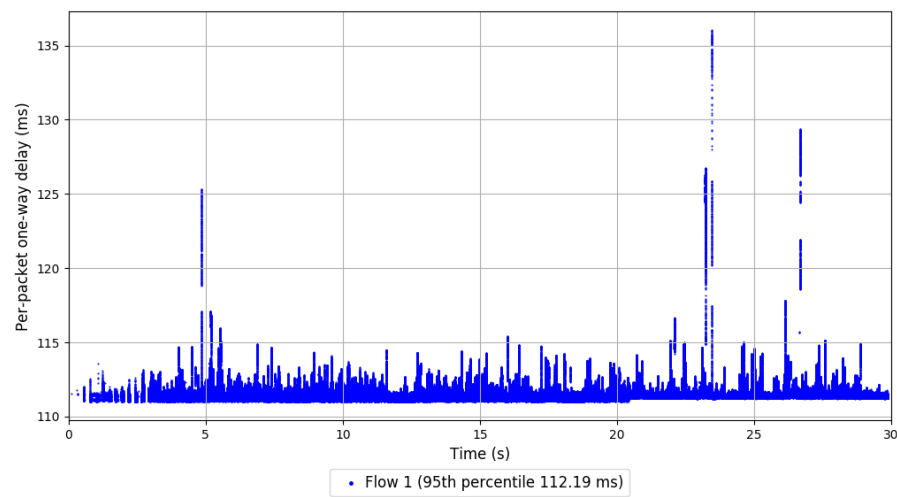
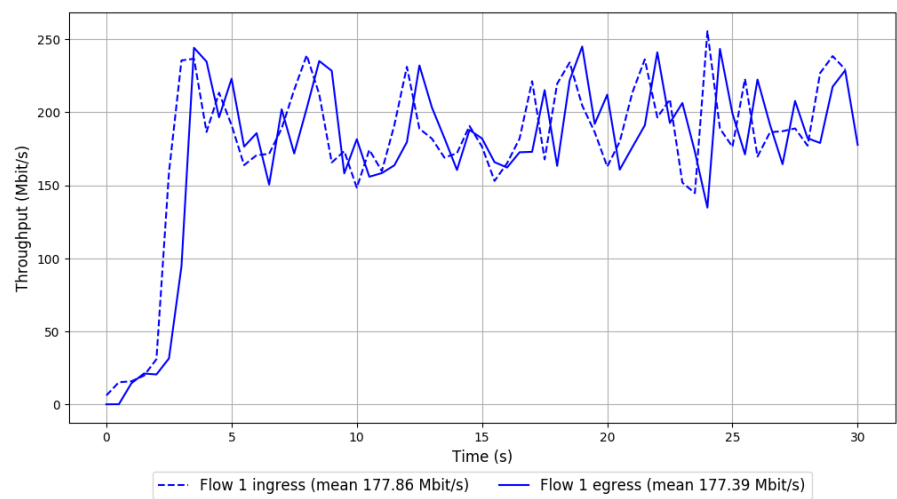
-- Flow 1:

Average throughput: 177.39 Mbit/s

95th percentile per-packet one-way delay: 112.191 ms

Loss rate: 1.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-08-09 15:06:44

End at: 2018-08-09 15:07:14

Local clock offset: -0.266 ms

Remote clock offset: 0.343 ms

Below is generated by plot.py at 2018-08-09 19:11:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 162.57 Mbit/s

95th percentile per-packet one-way delay: 111.578 ms

Loss rate: 1.13%

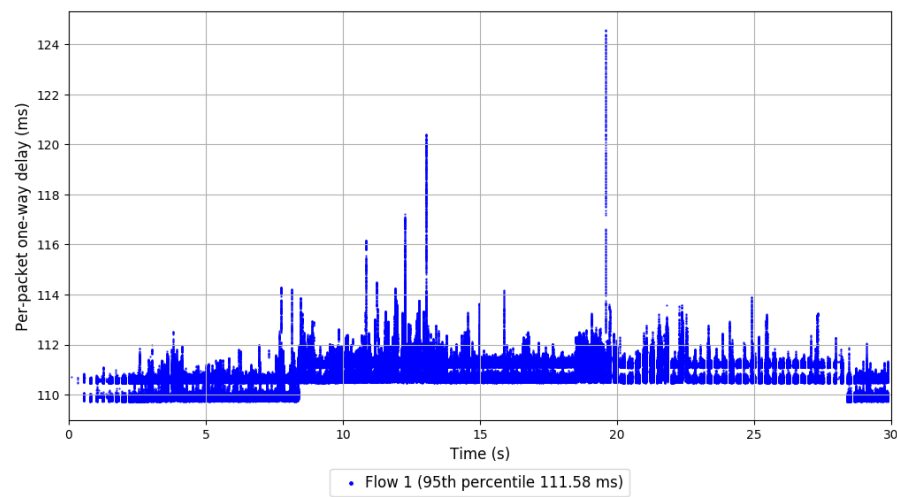
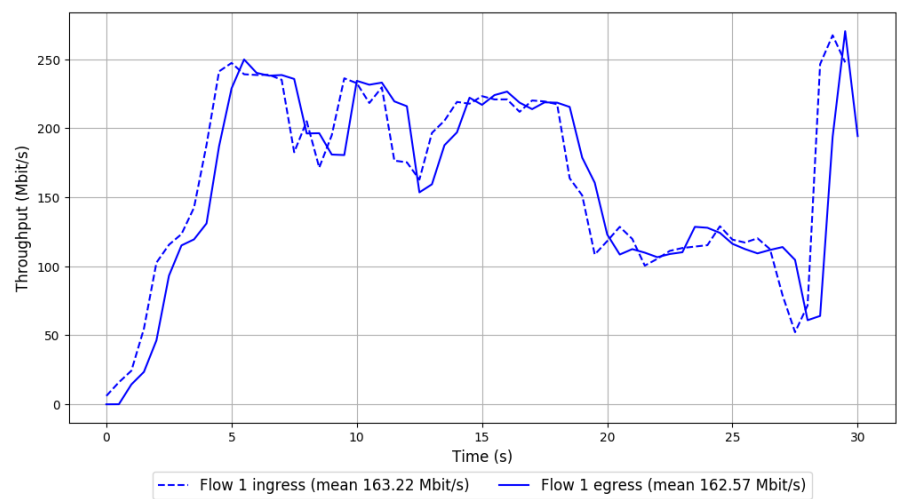
-- Flow 1:

Average throughput: 162.57 Mbit/s

95th percentile per-packet one-way delay: 111.578 ms

Loss rate: 1.13%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-08-09 15:29:08

End at: 2018-08-09 15:29:38

Local clock offset: -0.106 ms

Remote clock offset: 0.157 ms

Below is generated by plot.py at 2018-08-09 19:11:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 129.17 Mbit/s

95th percentile per-packet one-way delay: 111.899 ms

Loss rate: 0.64%

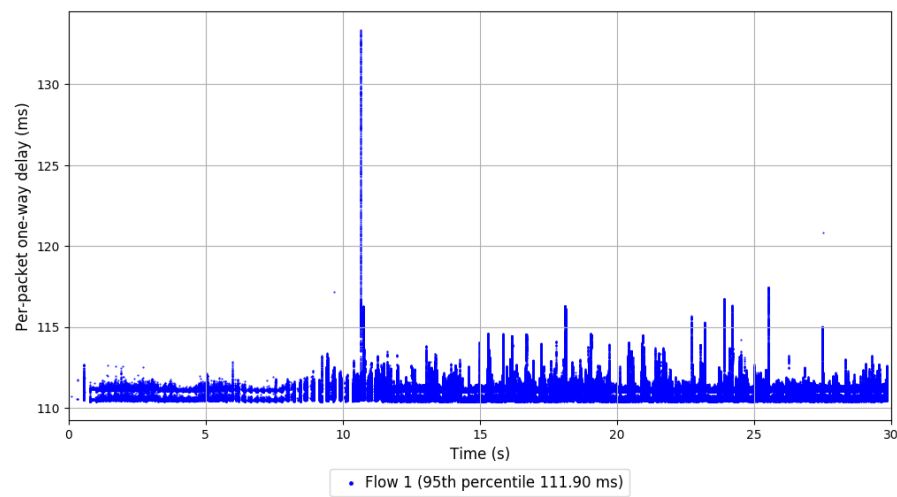
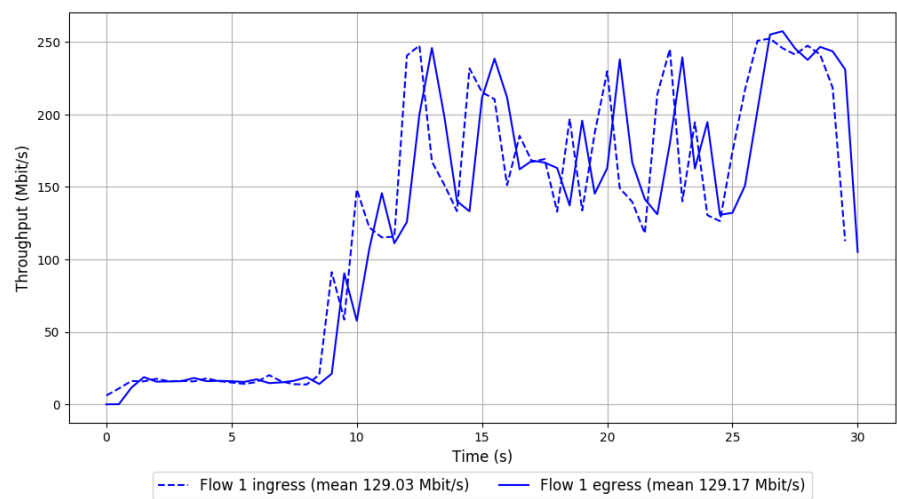
-- Flow 1:

Average throughput: 129.17 Mbit/s

95th percentile per-packet one-way delay: 111.899 ms

Loss rate: 0.64%

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

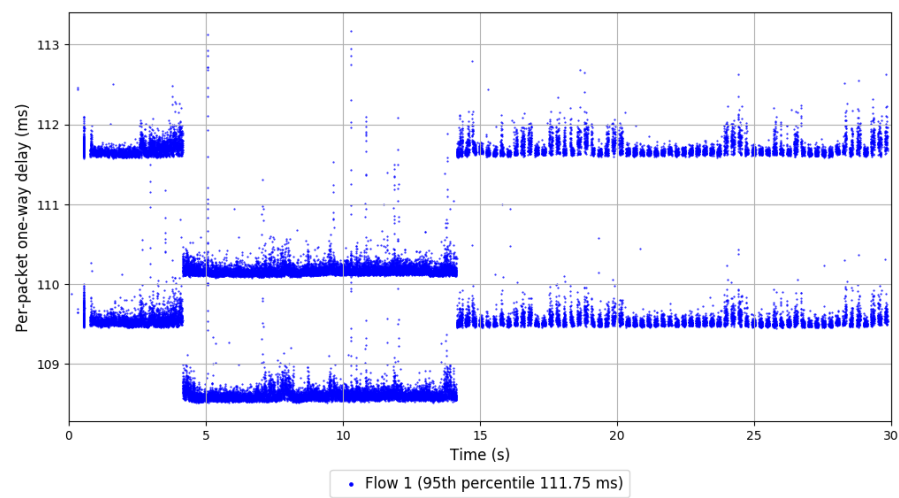
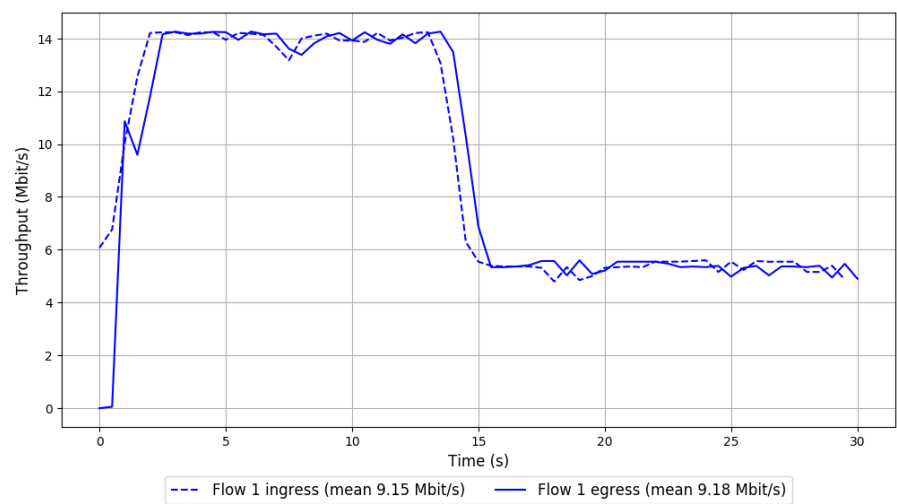


Run 5: Statistics of TaoVA-100x

Start at: 2018-08-09 15:51:38
End at: 2018-08-09 15:52:08
Local clock offset: -0.796 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-08-09 19:11:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.18 Mbit/s
95th percentile per-packet one-way delay: 111.752 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 9.18 Mbit/s
95th percentile per-packet one-way delay: 111.752 ms
Loss rate: 0.39%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-08-09 16:13:47

End at: 2018-08-09 16:14:17

Local clock offset: 0.165 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-08-09 19:11:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 16.12 Mbit/s

95th percentile per-packet one-way delay: 111.384 ms

Loss rate: 0.74%

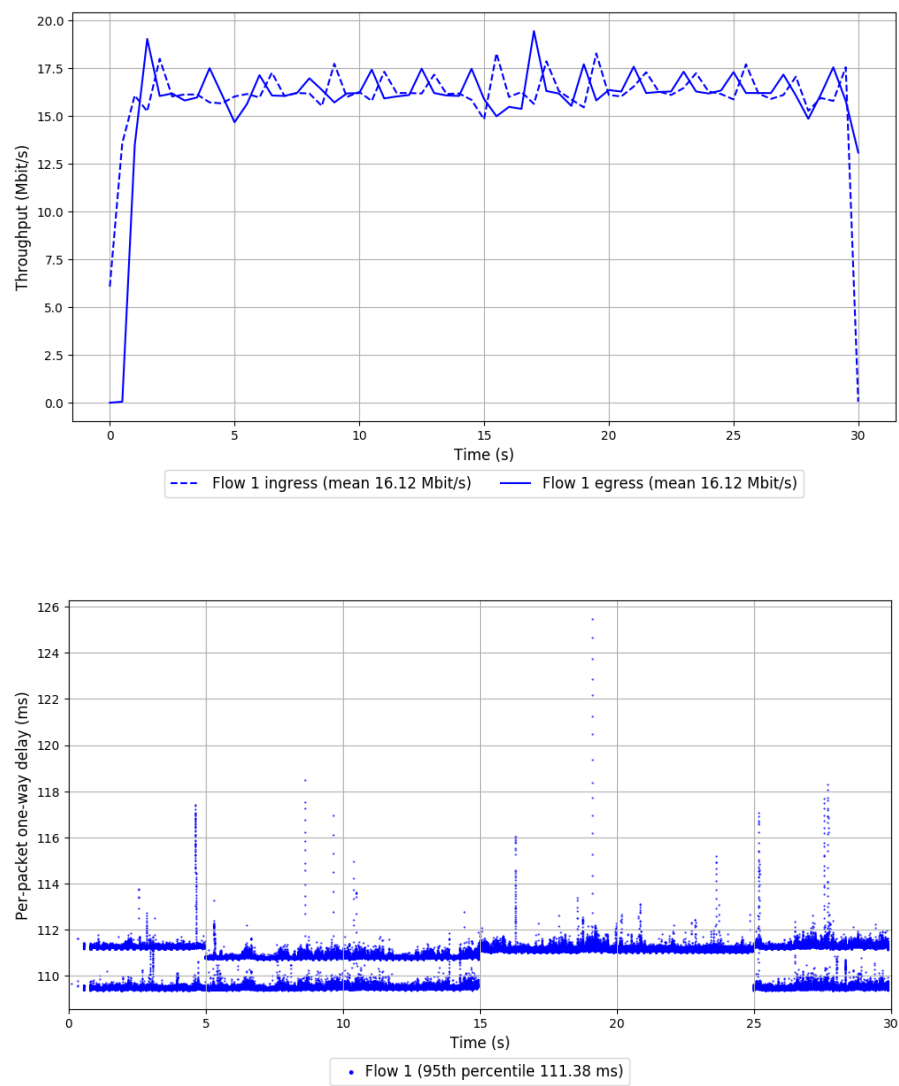
-- Flow 1:

Average throughput: 16.12 Mbit/s

95th percentile per-packet one-way delay: 111.384 ms

Loss rate: 0.74%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-08-09 16:35:52

End at: 2018-08-09 16:36:22

Local clock offset: -0.06 ms

Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-08-09 19:11:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 144.75 Mbit/s

95th percentile per-packet one-way delay: 111.435 ms

Loss rate: 0.65%

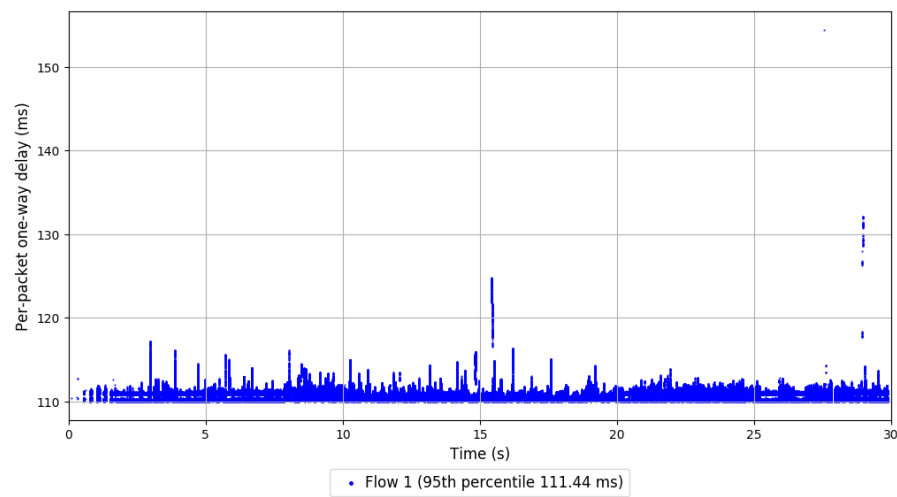
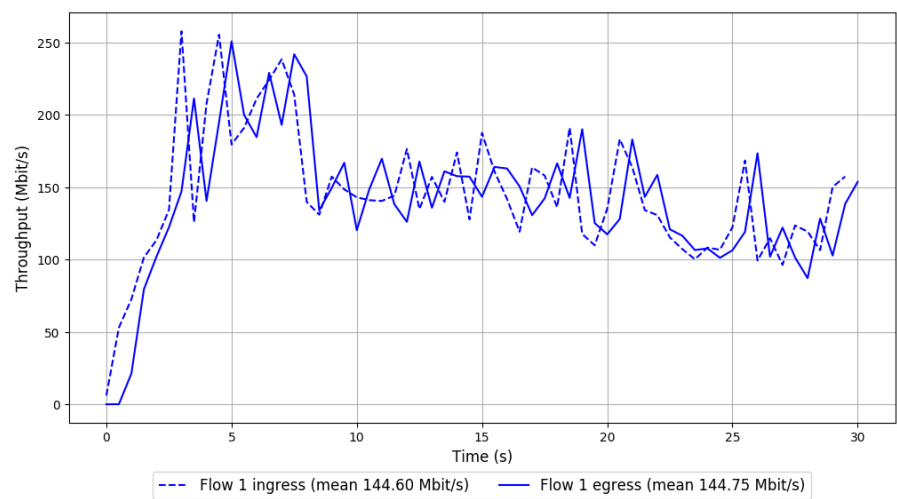
-- Flow 1:

Average throughput: 144.75 Mbit/s

95th percentile per-packet one-way delay: 111.435 ms

Loss rate: 0.65%

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

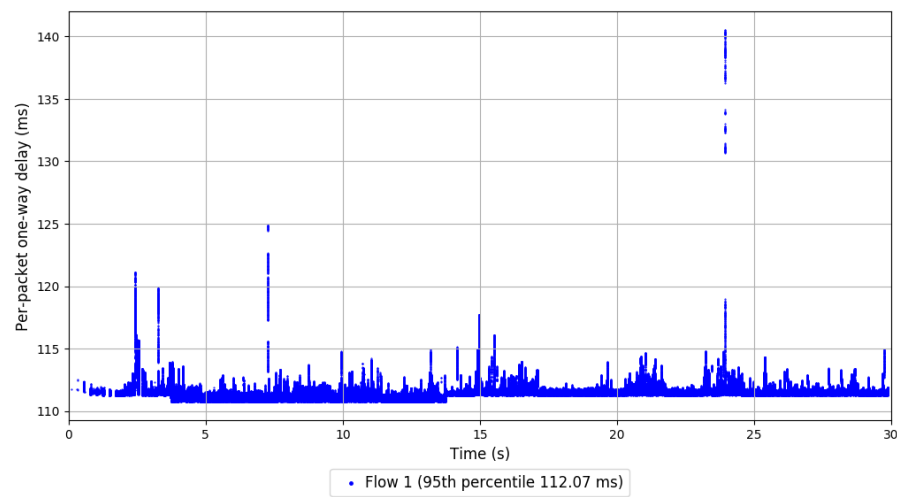
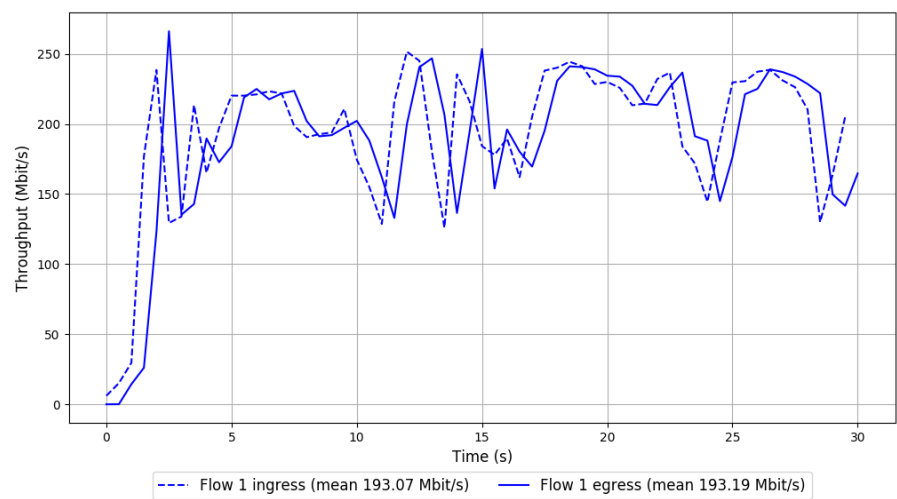


Run 8: Statistics of TaoVA-100x

Start at: 2018-08-09 16:57:58
End at: 2018-08-09 16:58:28
Local clock offset: -0.122 ms
Remote clock offset: -0.558 ms

Below is generated by plot.py at 2018-08-09 19:13:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 193.19 Mbit/s
95th percentile per-packet one-way delay: 112.073 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 193.19 Mbit/s
95th percentile per-packet one-way delay: 112.073 ms
Loss rate: 0.68%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-08-09 17:20:45

End at: 2018-08-09 17:21:15

Local clock offset: -0.646 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-08-09 19:14:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 163.26 Mbit/s

95th percentile per-packet one-way delay: 110.823 ms

Loss rate: 0.53%

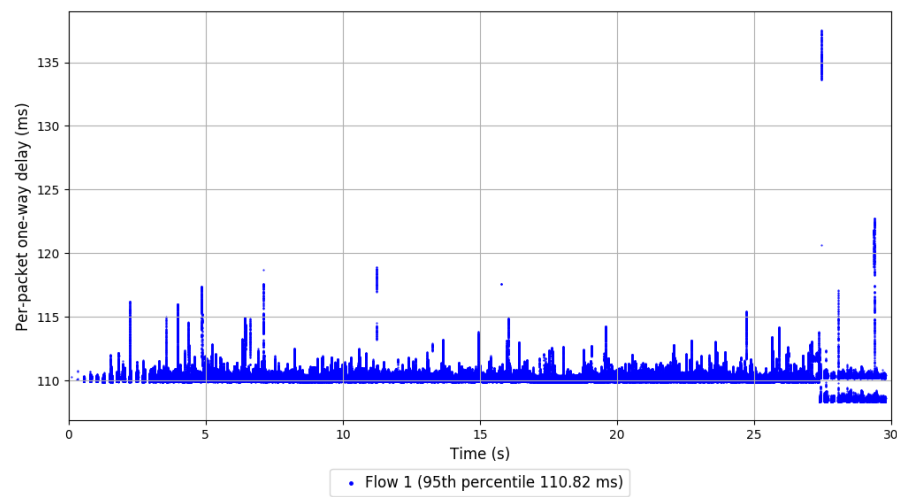
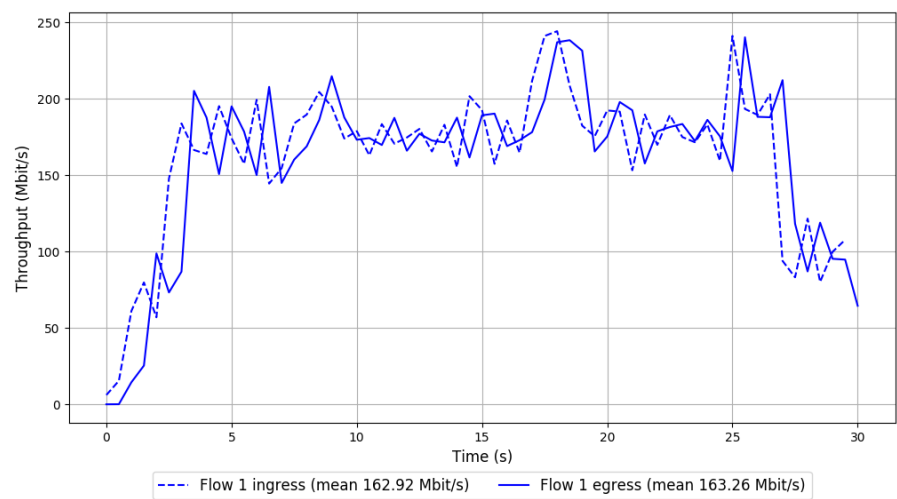
-- Flow 1:

Average throughput: 163.26 Mbit/s

95th percentile per-packet one-way delay: 110.823 ms

Loss rate: 0.53%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-08-09 17:43:01

End at: 2018-08-09 17:43:31

Local clock offset: 0.668 ms

Remote clock offset: -0.291 ms

Below is generated by plot.py at 2018-08-09 19:14:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 111.01 Mbit/s

95th percentile per-packet one-way delay: 113.688 ms

Loss rate: 0.96%

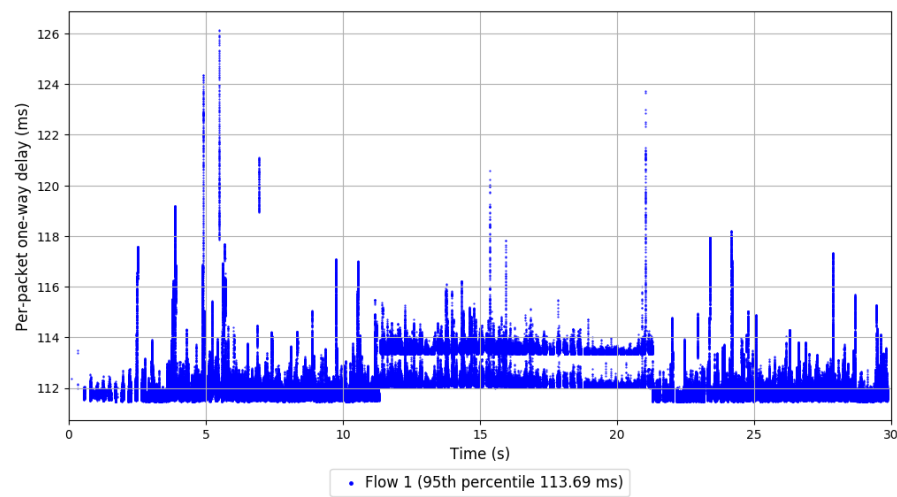
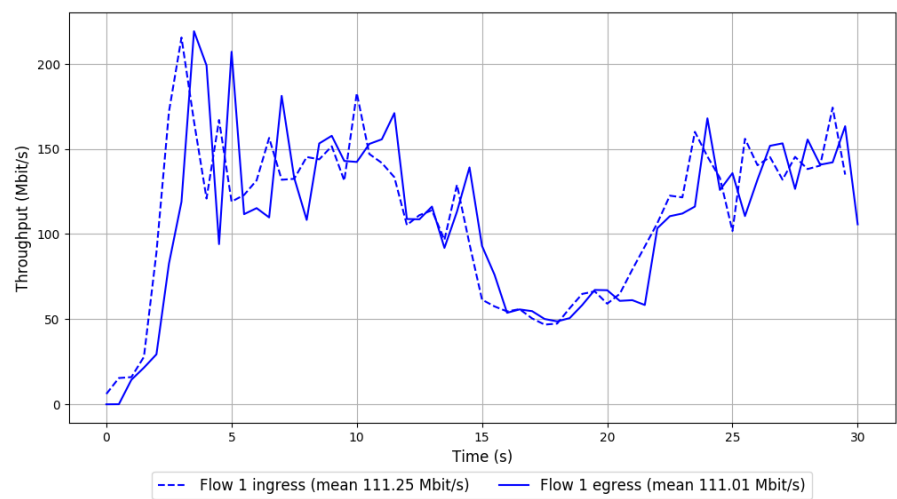
-- Flow 1:

Average throughput: 111.01 Mbit/s

95th percentile per-packet one-way delay: 113.688 ms

Loss rate: 0.96%

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

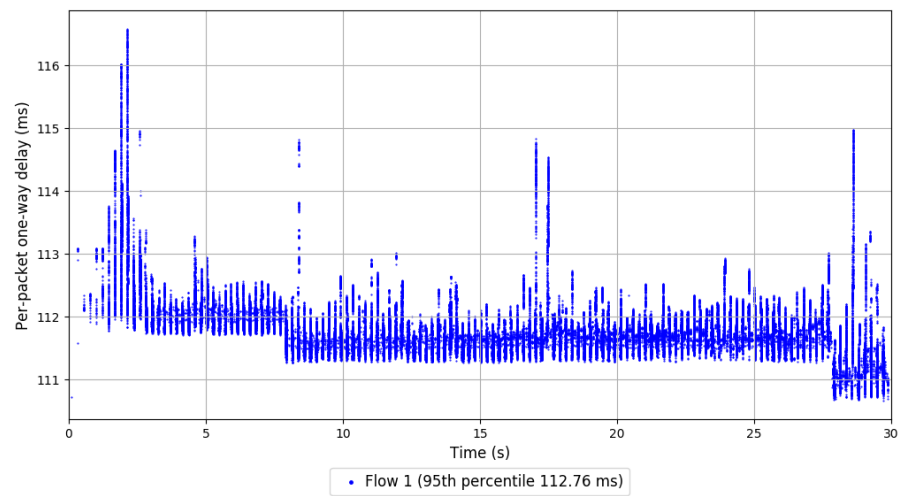
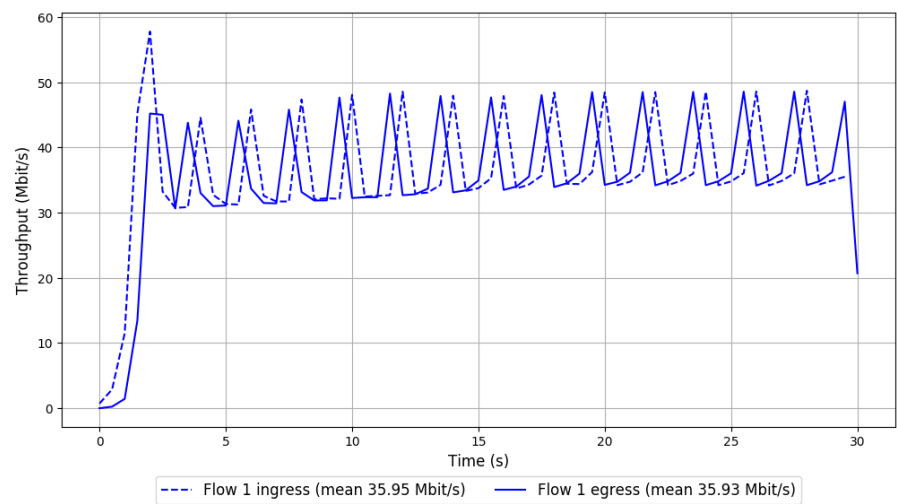


Run 1: Statistics of TCP Vegas

Start at: 2018-08-09 14:23:54
End at: 2018-08-09 14:24:24
Local clock offset: -0.192 ms
Remote clock offset: -0.477 ms

Below is generated by plot.py at 2018-08-09 19:14:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.93 Mbit/s
95th percentile per-packet one-way delay: 112.761 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 35.93 Mbit/s
95th percentile per-packet one-way delay: 112.761 ms
Loss rate: 0.80%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-08-09 14:46:35

End at: 2018-08-09 14:47:05

Local clock offset: -1.521 ms

Remote clock offset: 0.326 ms

Below is generated by plot.py at 2018-08-09 19:14:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.95 Mbit/s

95th percentile per-packet one-way delay: 110.430 ms

Loss rate: 0.83%

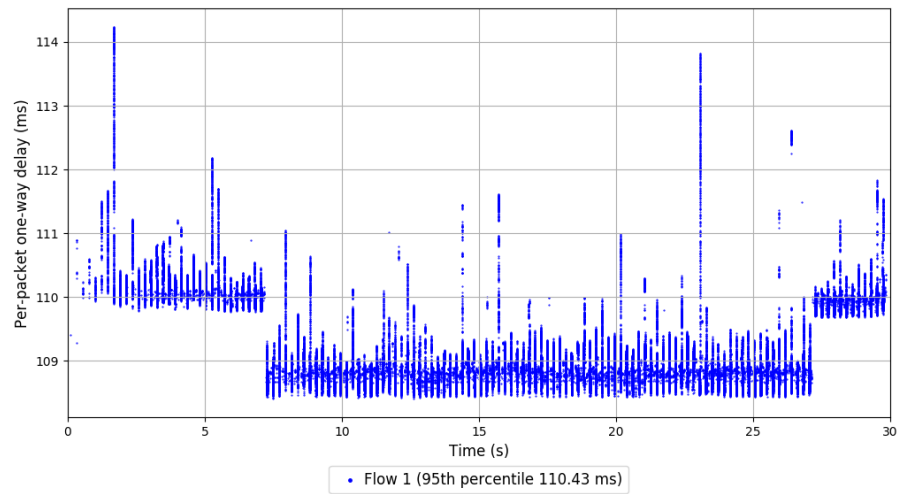
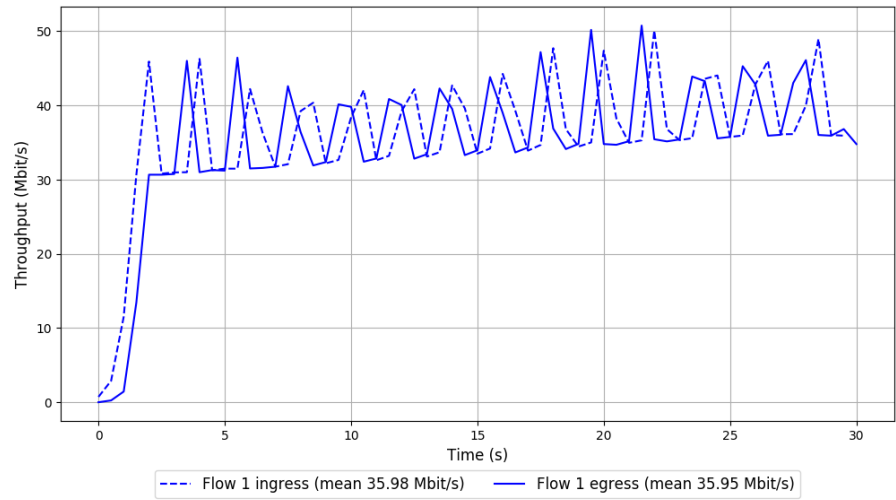
-- Flow 1:

Average throughput: 35.95 Mbit/s

95th percentile per-packet one-way delay: 110.430 ms

Loss rate: 0.83%

Run 2: Report of TCP Vegas — Data Link

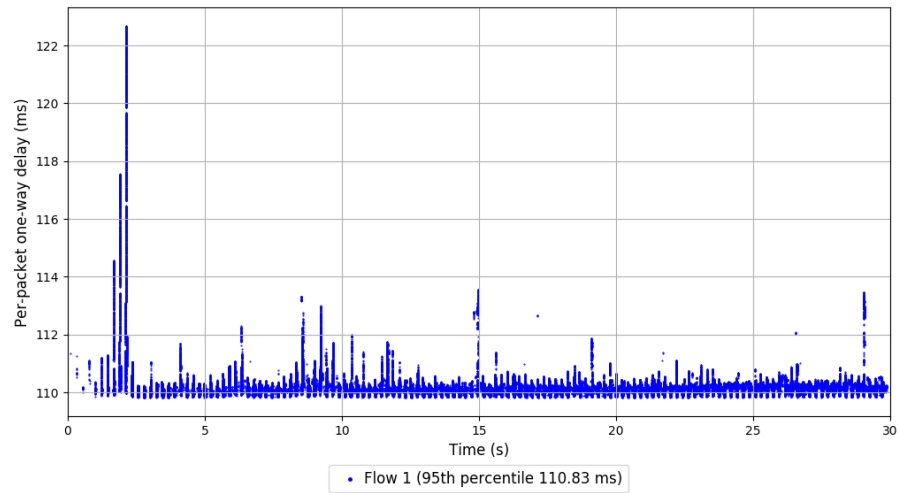
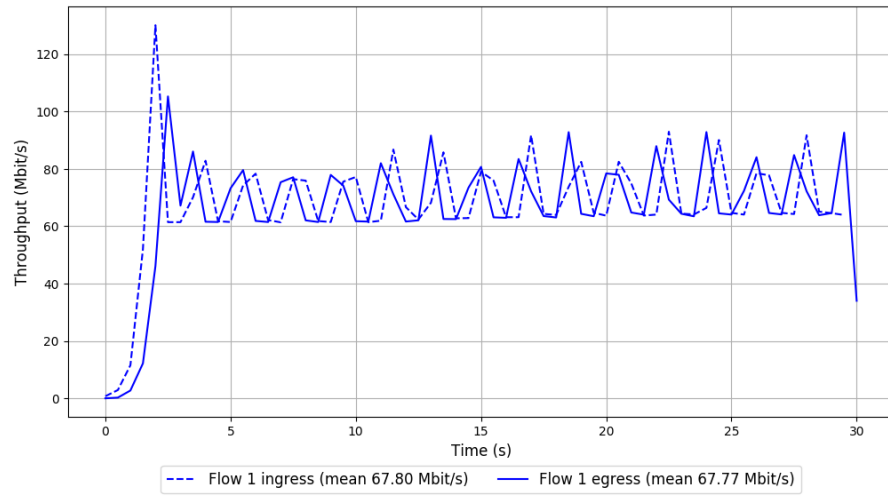


Run 3: Statistics of TCP Vegas

Start at: 2018-08-09 15:09:16
End at: 2018-08-09 15:09:46
Local clock offset: 0.242 ms
Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-08-09 19:14:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.77 Mbit/s
95th percentile per-packet one-way delay: 110.835 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 67.77 Mbit/s
95th percentile per-packet one-way delay: 110.835 ms
Loss rate: 0.78%

Run 3: Report of TCP Vegas — Data Link

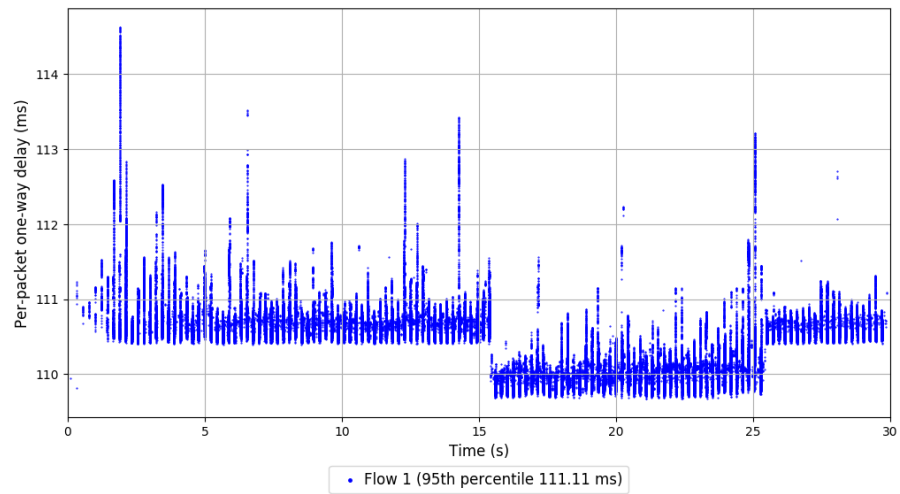
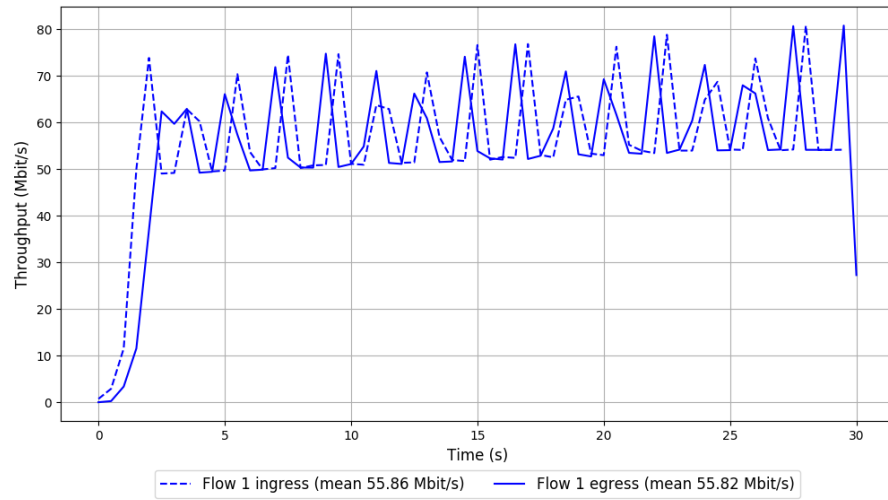


Run 4: Statistics of TCP Vegas

Start at: 2018-08-09 15:31:37
End at: 2018-08-09 15:32:07
Local clock offset: 0.215 ms
Remote clock offset: -0.212 ms

Below is generated by plot.py at 2018-08-09 19:14:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.82 Mbit/s
95th percentile per-packet one-way delay: 111.109 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 55.82 Mbit/s
95th percentile per-packet one-way delay: 111.109 ms
Loss rate: 0.81%

Run 4: Report of TCP Vegas — Data Link

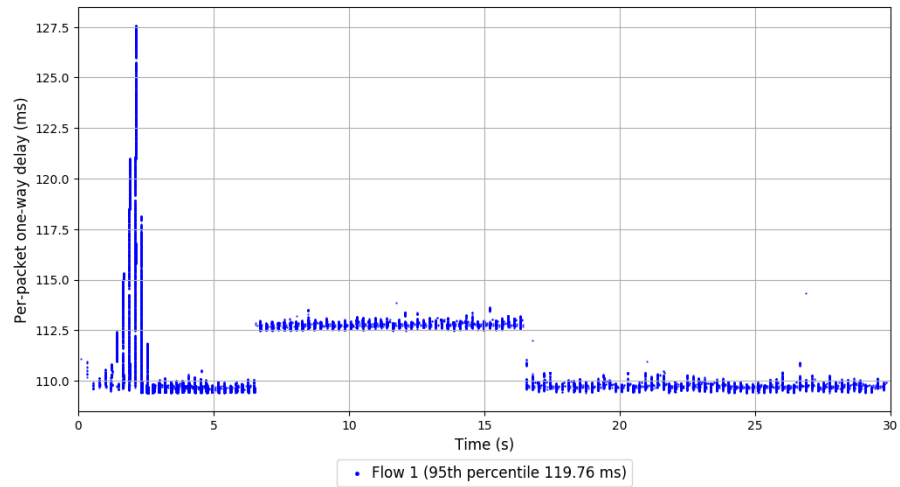
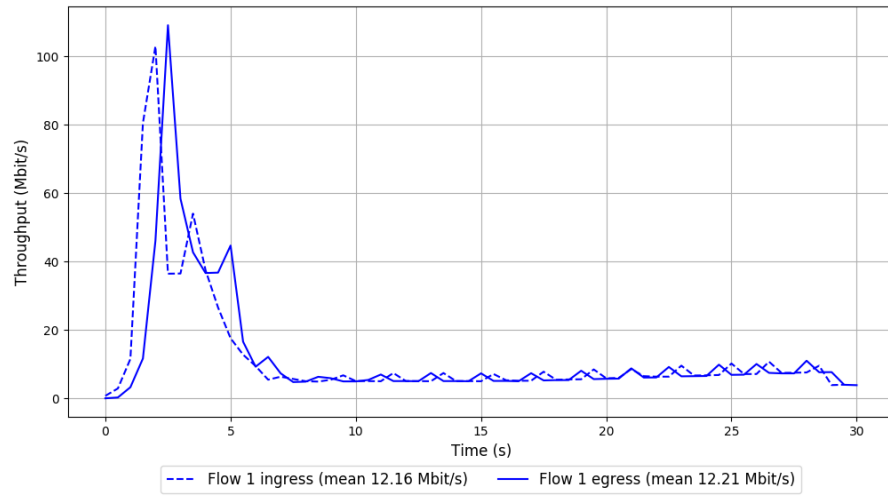


Run 5: Statistics of TCP Vegas

Start at: 2018-08-09 15:53:56
End at: 2018-08-09 15:54:26
Local clock offset: -0.259 ms
Remote clock offset: -0.462 ms

Below is generated by plot.py at 2018-08-09 19:14:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.21 Mbit/s
95th percentile per-packet one-way delay: 119.757 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 12.21 Mbit/s
95th percentile per-packet one-way delay: 119.757 ms
Loss rate: 0.29%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-08-09 16:16:05

End at: 2018-08-09 16:16:35

Local clock offset: -0.146 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-08-09 19:14:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.70 Mbit/s

95th percentile per-packet one-way delay: 111.751 ms

Loss rate: 0.73%

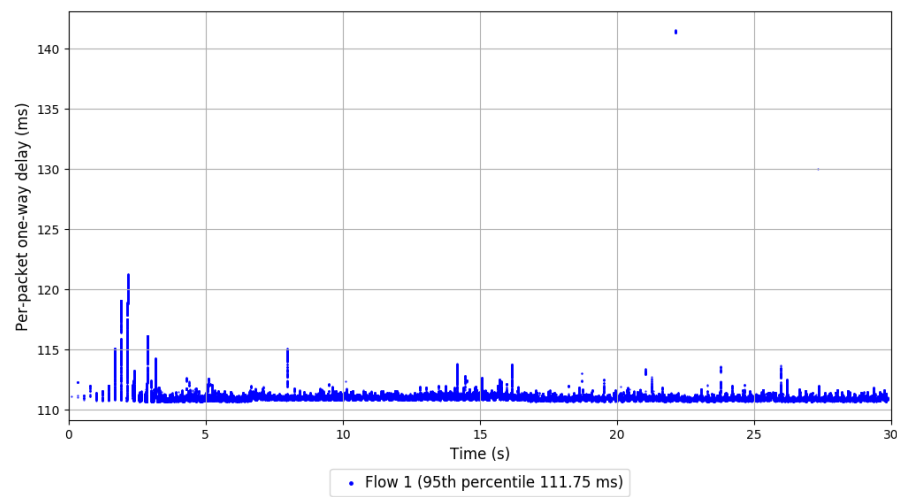
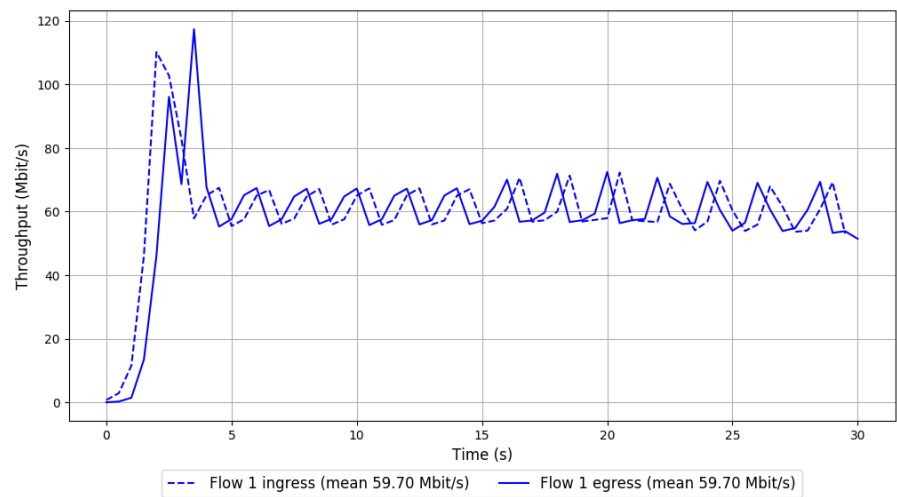
-- Flow 1:

Average throughput: 59.70 Mbit/s

95th percentile per-packet one-way delay: 111.751 ms

Loss rate: 0.73%

Run 6: Report of TCP Vegas — Data Link

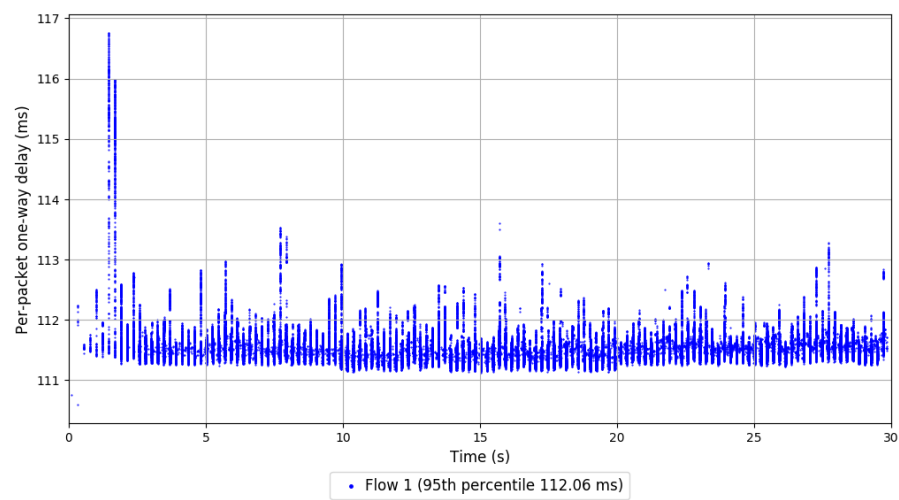
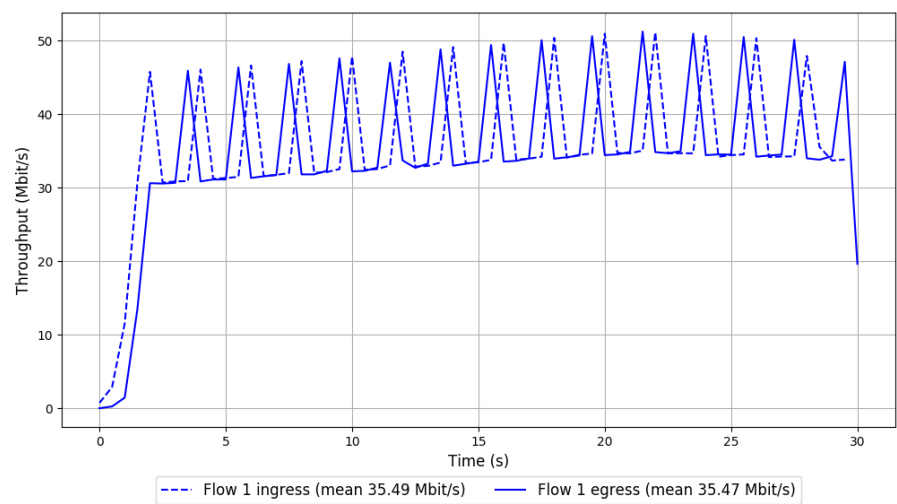


Run 7: Statistics of TCP Vegas

Start at: 2018-08-09 16:38:22
End at: 2018-08-09 16:38:52
Local clock offset: 0.209 ms
Remote clock offset: -0.144 ms

Below is generated by plot.py at 2018-08-09 19:14:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.47 Mbit/s
95th percentile per-packet one-way delay: 112.055 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 35.47 Mbit/s
95th percentile per-packet one-way delay: 112.055 ms
Loss rate: 0.79%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-08-09 17:00:33

End at: 2018-08-09 17:01:03

Local clock offset: 1.297 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-08-09 19:14:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 36.11 Mbit/s

95th percentile per-packet one-way delay: 112.775 ms

Loss rate: 0.83%

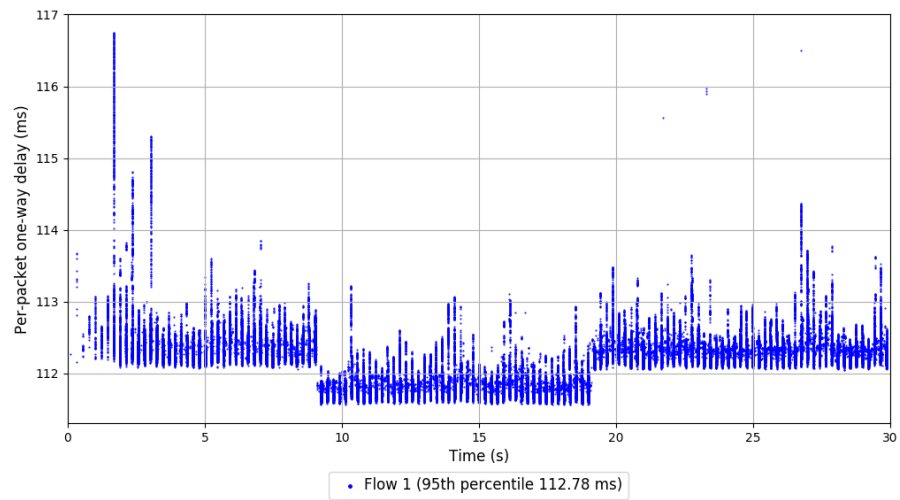
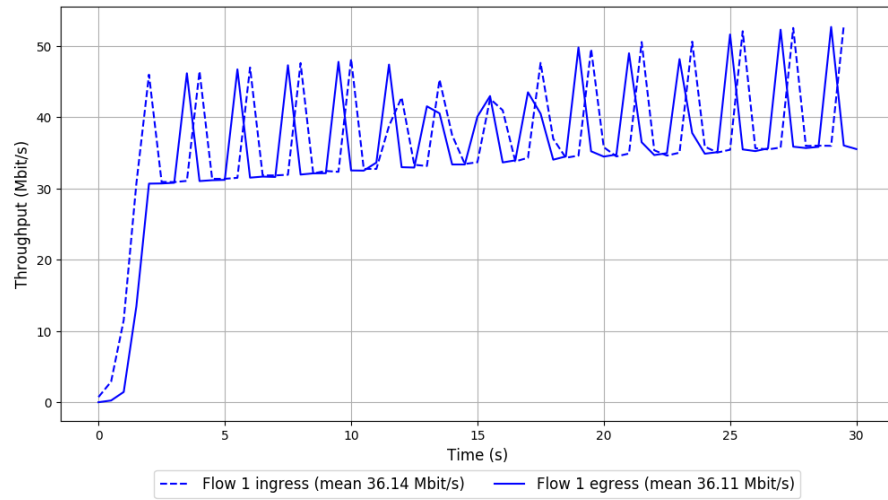
-- Flow 1:

Average throughput: 36.11 Mbit/s

95th percentile per-packet one-way delay: 112.775 ms

Loss rate: 0.83%

Run 8: Report of TCP Vegas — Data Link

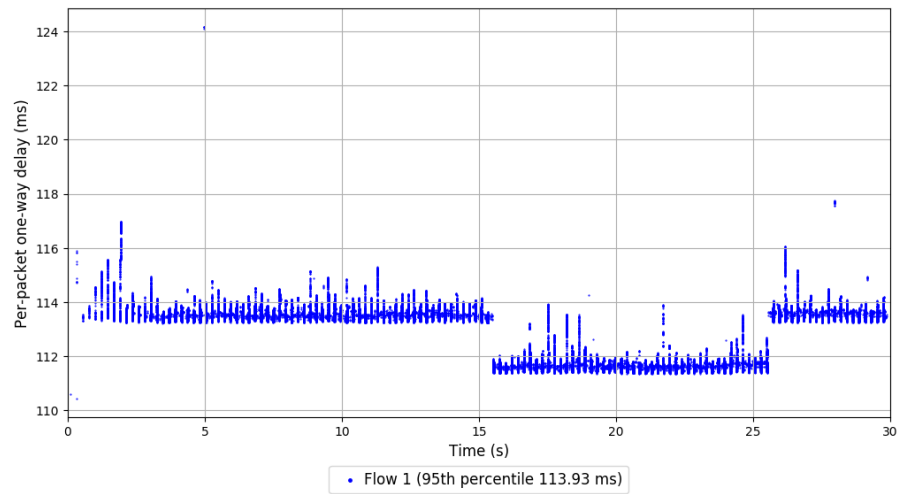
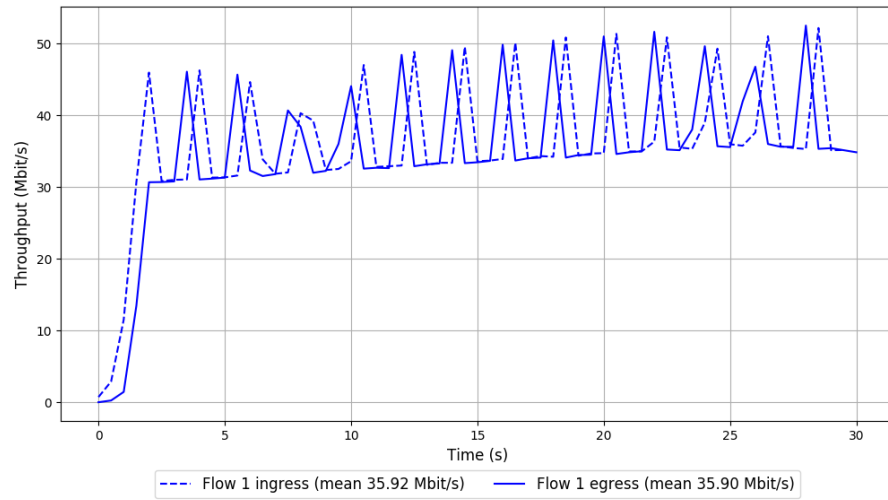


Run 9: Statistics of TCP Vegas

Start at: 2018-08-09 17:23:17
End at: 2018-08-09 17:23:47
Local clock offset: 0.724 ms
Remote clock offset: -0.324 ms

Below is generated by plot.py at 2018-08-09 19:14:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.90 Mbit/s
95th percentile per-packet one-way delay: 113.930 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 35.90 Mbit/s
95th percentile per-packet one-way delay: 113.930 ms
Loss rate: 0.81%

Run 9: Report of TCP Vegas — Data Link

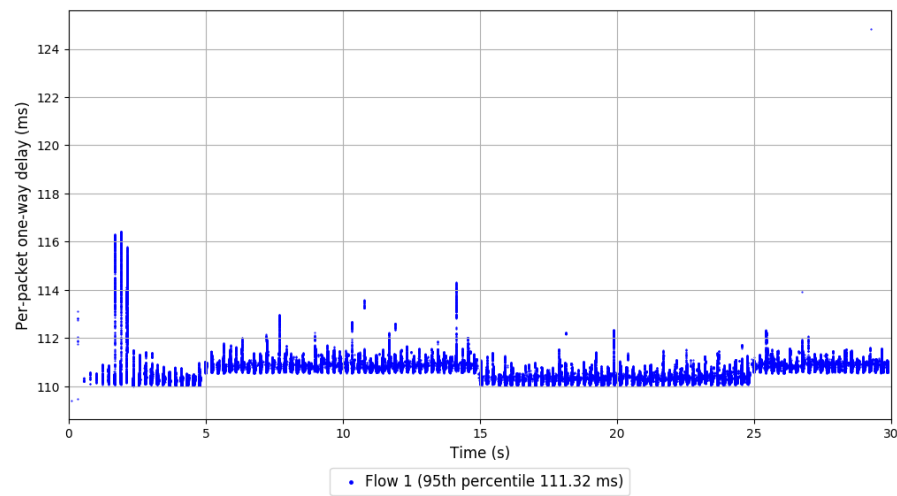
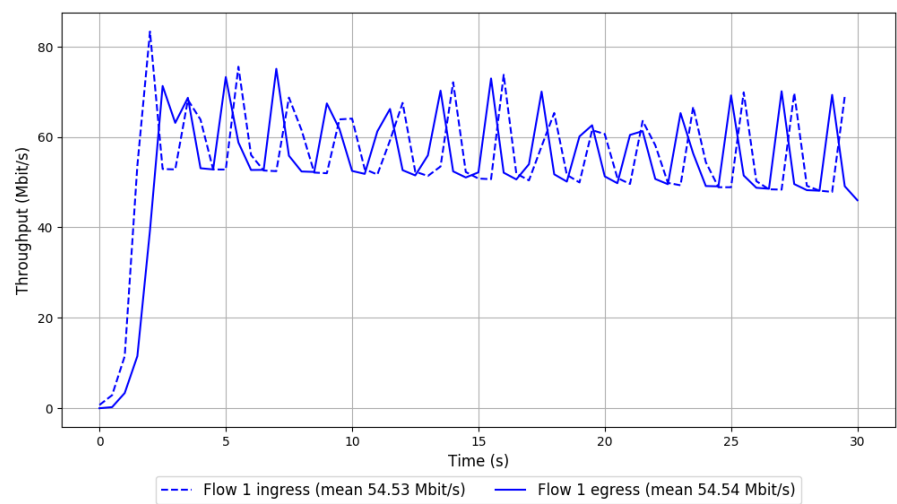


Run 10: Statistics of TCP Vegas

Start at: 2018-08-09 17:45:27
End at: 2018-08-09 17:45:57
Local clock offset: -0.411 ms
Remote clock offset: -0.424 ms

Below is generated by plot.py at 2018-08-09 19:14:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 54.54 Mbit/s
95th percentile per-packet one-way delay: 111.316 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 54.54 Mbit/s
95th percentile per-packet one-way delay: 111.316 ms
Loss rate: 0.72%

Run 10: Report of TCP Vegas — Data Link

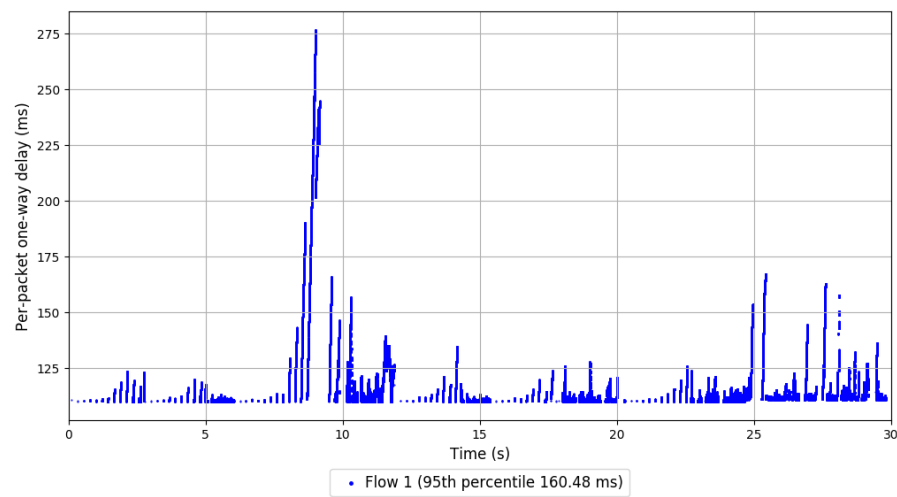
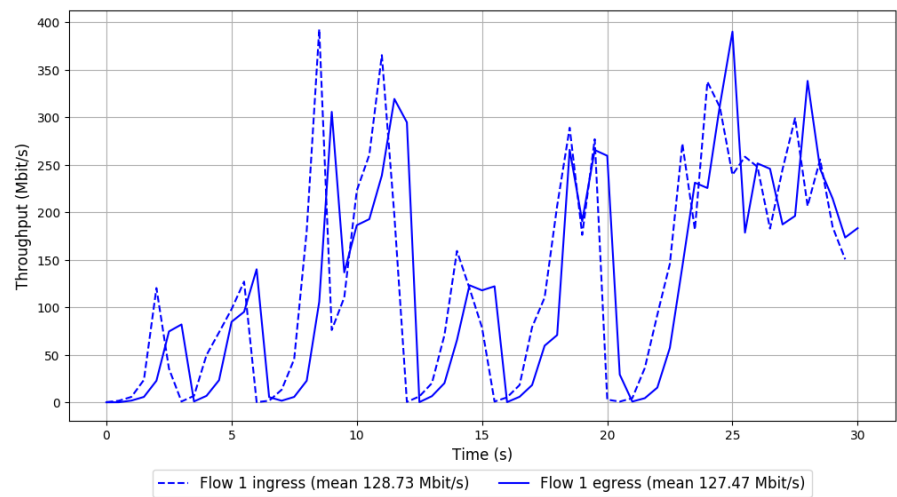


Run 1: Statistics of Verus

Start at: 2018-08-09 14:03:37
End at: 2018-08-09 14:04:07
Local clock offset: -0.354 ms
Remote clock offset: -0.145 ms

Below is generated by plot.py at 2018-08-09 19:14:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 127.47 Mbit/s
95th percentile per-packet one-way delay: 160.476 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 127.47 Mbit/s
95th percentile per-packet one-way delay: 160.476 ms
Loss rate: 1.44%

Run 1: Report of Verus — Data Link

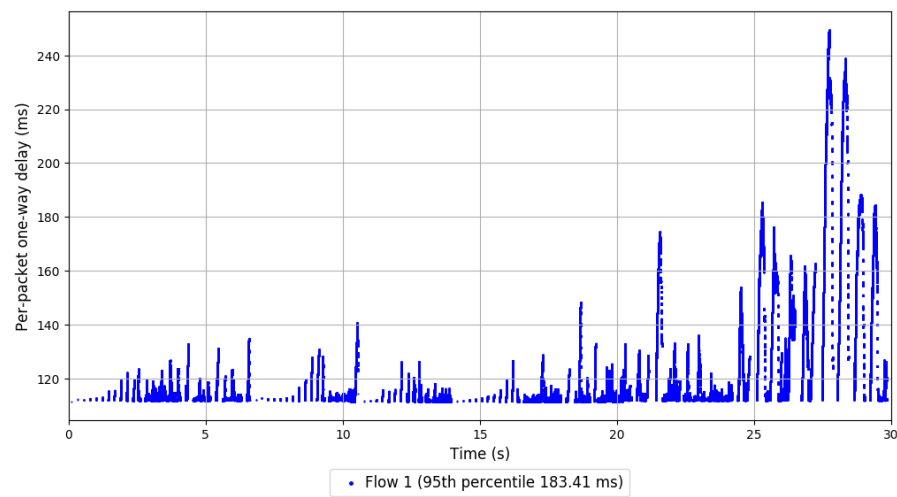
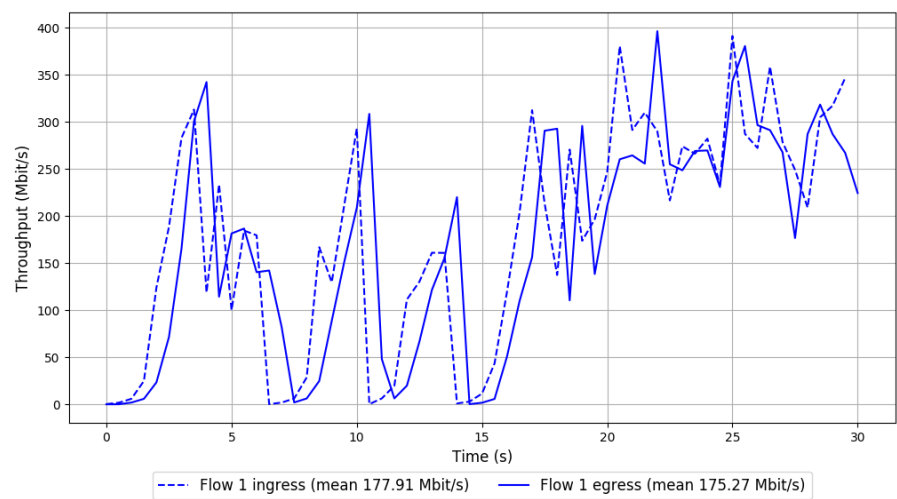


Run 2: Statistics of Verus

Start at: 2018-08-09 14:26:12
End at: 2018-08-09 14:26:42
Local clock offset: 0.243 ms
Remote clock offset: -0.166 ms

Below is generated by plot.py at 2018-08-09 19:15:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 175.27 Mbit/s
95th percentile per-packet one-way delay: 183.407 ms
Loss rate: 2.23%
-- Flow 1:
Average throughput: 175.27 Mbit/s
95th percentile per-packet one-way delay: 183.407 ms
Loss rate: 2.23%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-08-09 14:48:52

End at: 2018-08-09 14:49:22

Local clock offset: 0.411 ms

Remote clock offset: 0.299 ms

Below is generated by plot.py at 2018-08-09 19:15:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.87 Mbit/s

95th percentile per-packet one-way delay: 214.998 ms

Loss rate: 1.89%

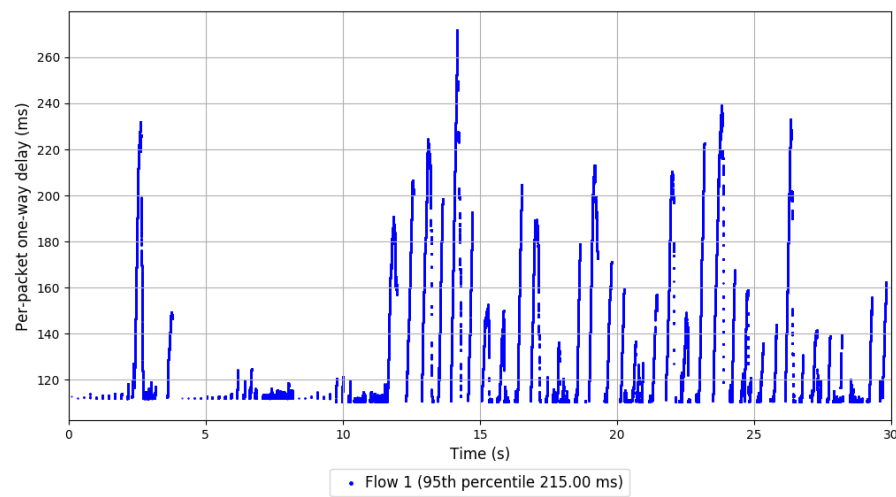
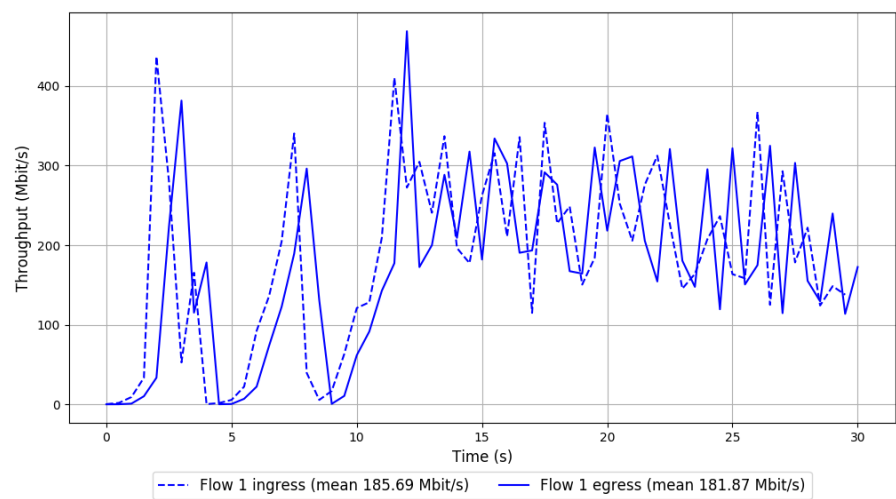
-- Flow 1:

Average throughput: 181.87 Mbit/s

95th percentile per-packet one-way delay: 214.998 ms

Loss rate: 1.89%

Run 3: Report of Verus — Data Link

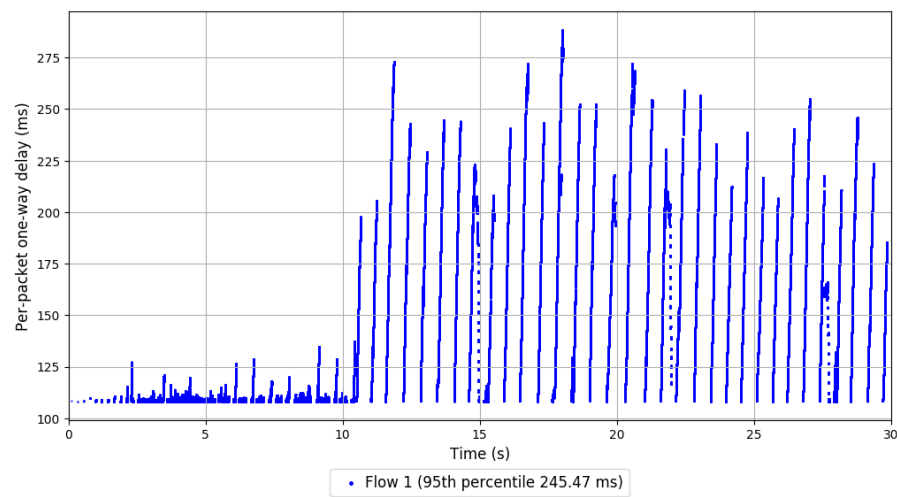
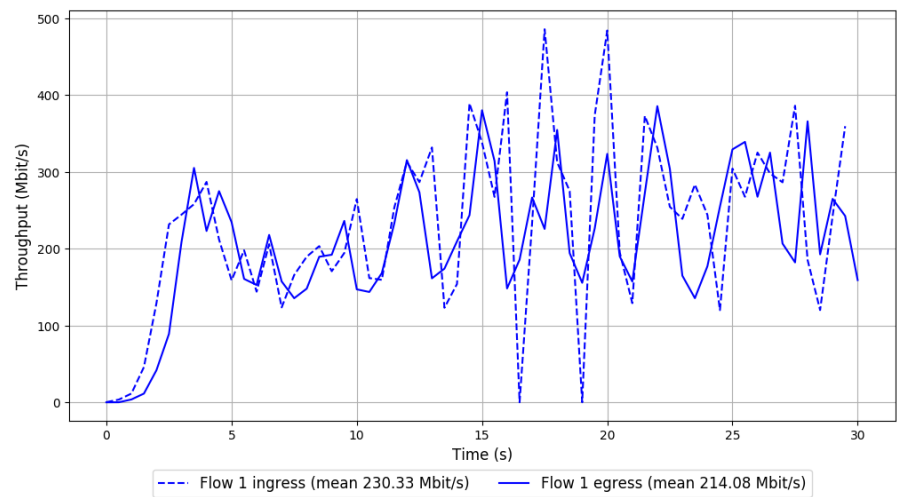


Run 4: Statistics of Verus

Start at: 2018-08-09 15:11:34
End at: 2018-08-09 15:12:04
Local clock offset: -1.585 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-08-09 19:16:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 214.08 Mbit/s
95th percentile per-packet one-way delay: 245.474 ms
Loss rate: 7.21%
-- Flow 1:
Average throughput: 214.08 Mbit/s
95th percentile per-packet one-way delay: 245.474 ms
Loss rate: 7.21%

Run 4: Report of Verus — Data Link

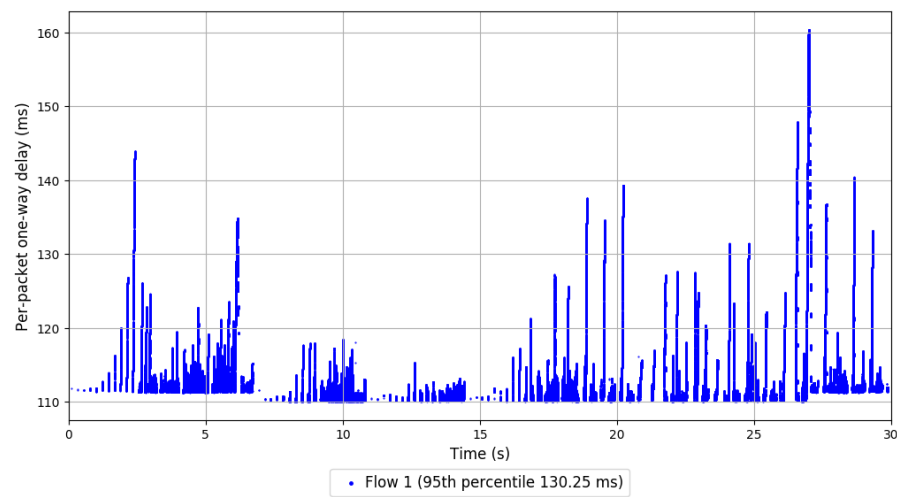
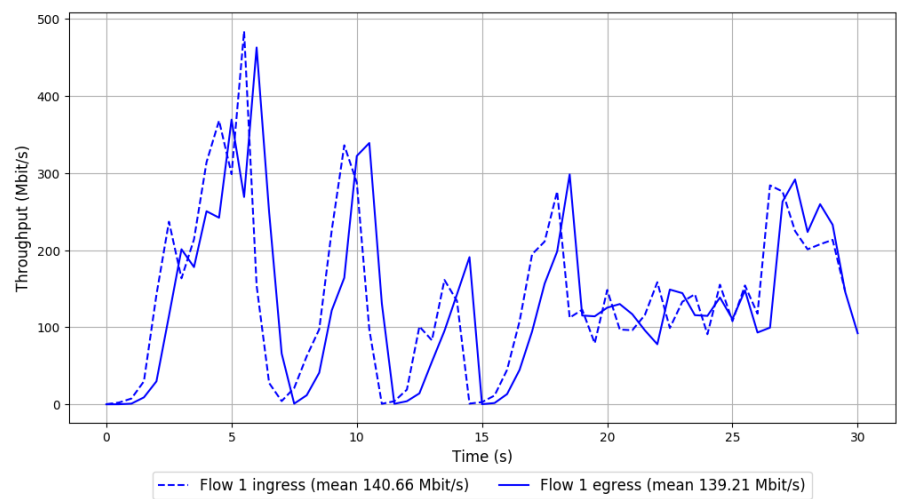


Run 5: Statistics of Verus

Start at: 2018-08-09 15:33:55
End at: 2018-08-09 15:34:25
Local clock offset: -0.15 ms
Remote clock offset: -0.205 ms

Below is generated by plot.py at 2018-08-09 19:16:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 139.21 Mbit/s
95th percentile per-packet one-way delay: 130.255 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 139.21 Mbit/s
95th percentile per-packet one-way delay: 130.255 ms
Loss rate: 1.52%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-08-09 15:56:12

End at: 2018-08-09 15:56:42

Local clock offset: 0.511 ms

Remote clock offset: 0.269 ms

Below is generated by plot.py at 2018-08-09 19:16:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 173.17 Mbit/s

95th percentile per-packet one-way delay: 214.832 ms

Loss rate: 2.14%

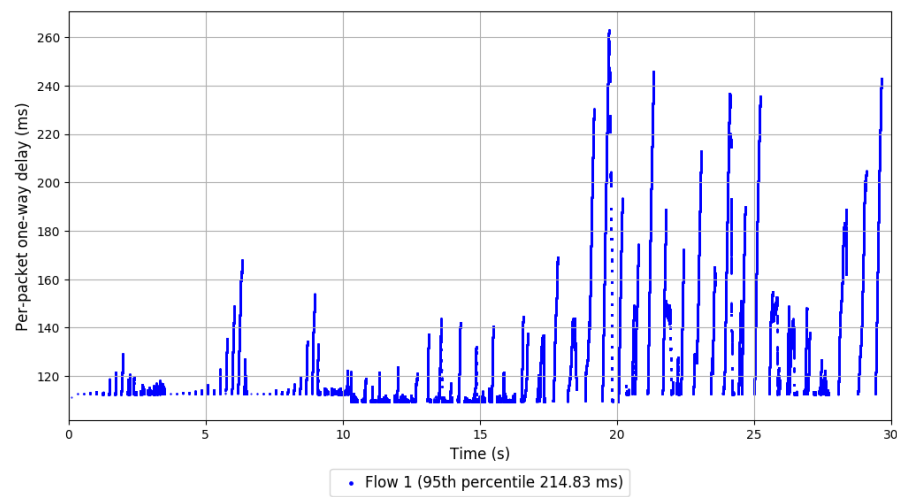
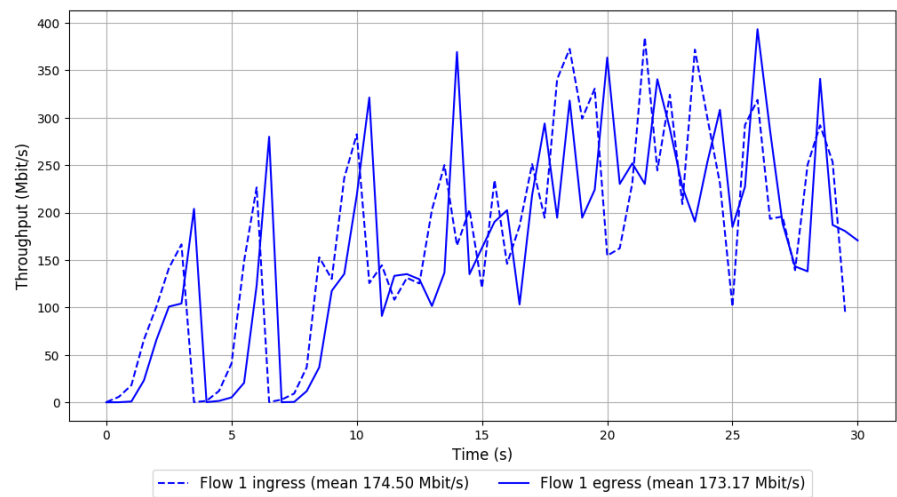
-- Flow 1:

Average throughput: 173.17 Mbit/s

95th percentile per-packet one-way delay: 214.832 ms

Loss rate: 2.14%

Run 6: Report of Verus — Data Link

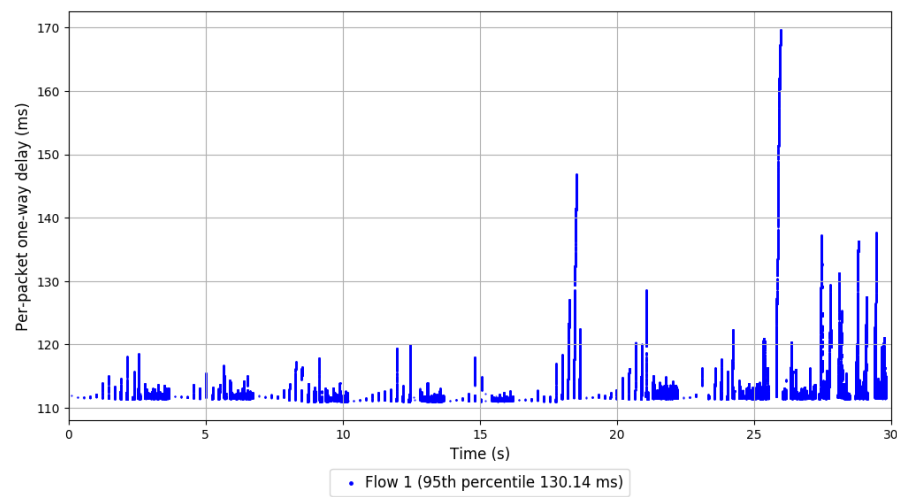
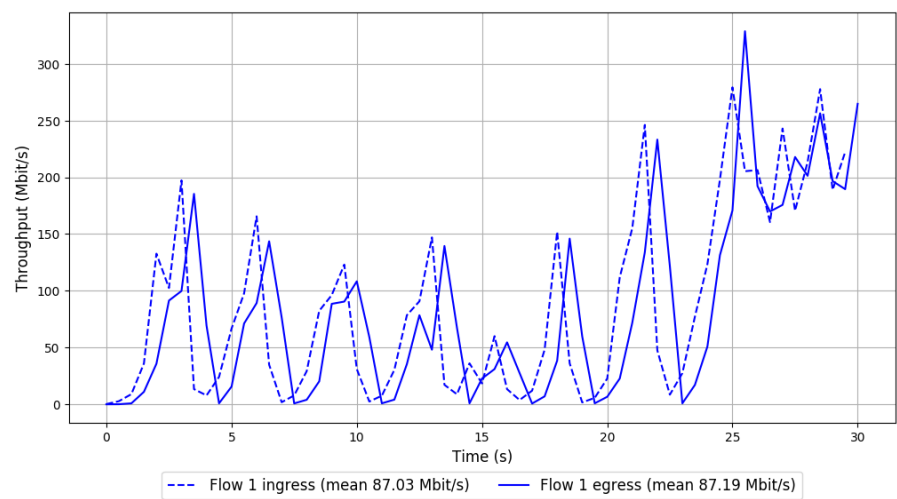


Run 7: Statistics of Verus

Start at: 2018-08-09 16:18:24
End at: 2018-08-09 16:18:54
Local clock offset: 0.038 ms
Remote clock offset: -0.378 ms

Below is generated by plot.py at 2018-08-09 19:16:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.19 Mbit/s
95th percentile per-packet one-way delay: 130.136 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 87.19 Mbit/s
95th percentile per-packet one-way delay: 130.136 ms
Loss rate: 0.73%

Run 7: Report of Verus — Data Link

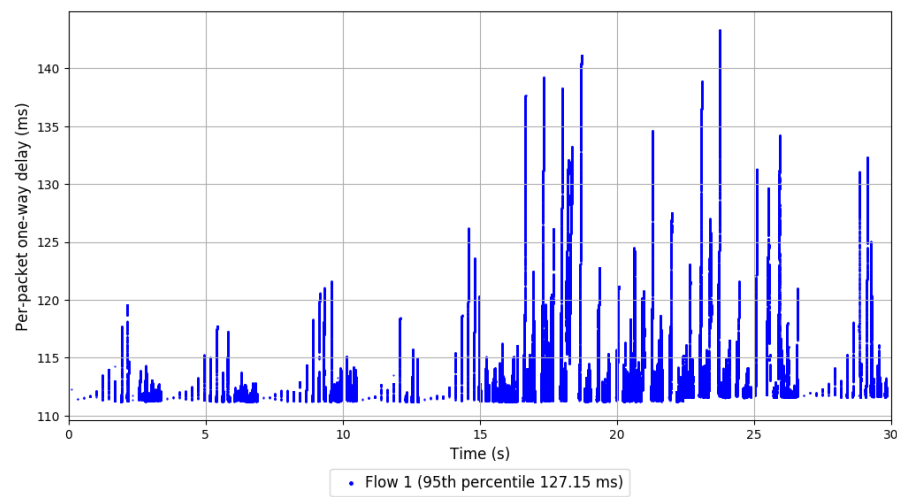
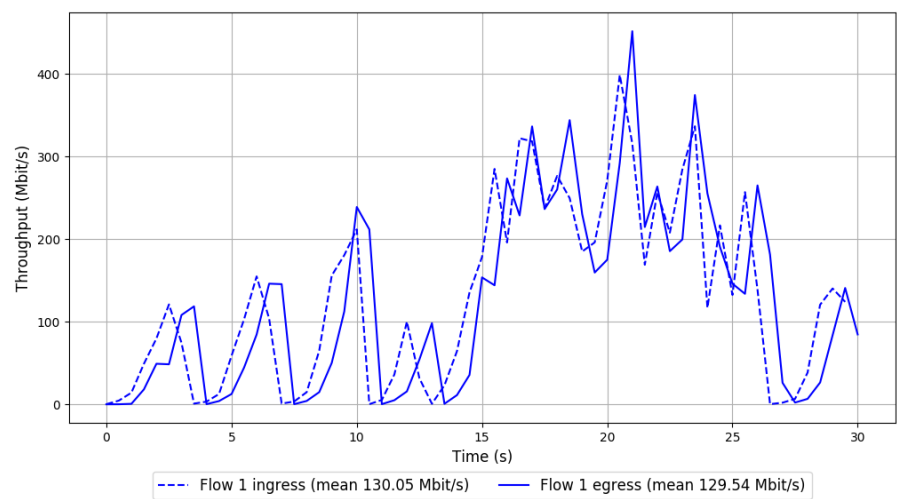


Run 8: Statistics of Verus

Start at: 2018-08-09 16:40:40
End at: 2018-08-09 16:41:10
Local clock offset: 0.133 ms
Remote clock offset: -0.624 ms

Below is generated by plot.py at 2018-08-09 19:16:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 129.54 Mbit/s
95th percentile per-packet one-way delay: 127.154 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 129.54 Mbit/s
95th percentile per-packet one-way delay: 127.154 ms
Loss rate: 1.13%

Run 8: Report of Verus — Data Link

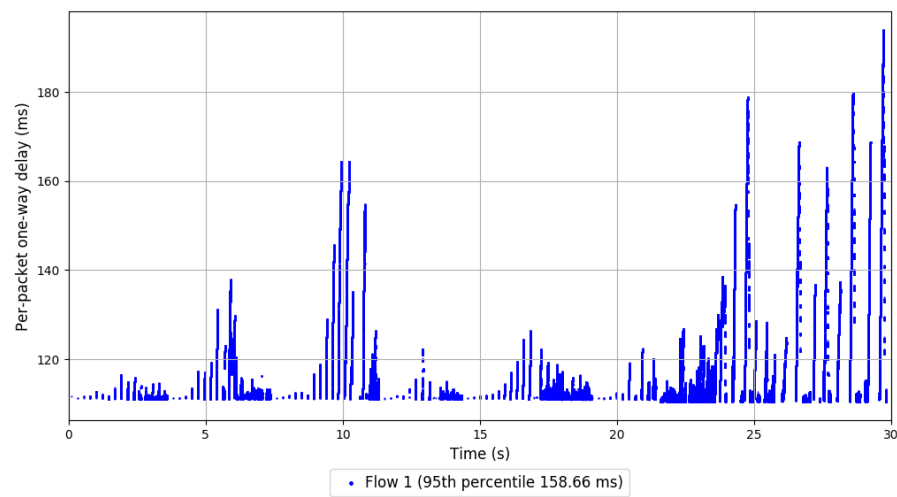
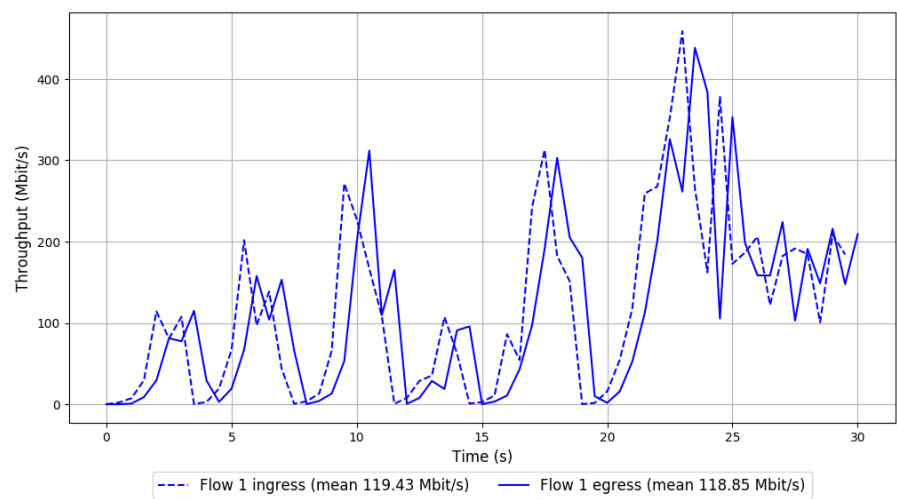


Run 9: Statistics of Verus

Start at: 2018-08-09 17:02:51
End at: 2018-08-09 17:03:21
Local clock offset: -0.06 ms
Remote clock offset: -0.267 ms

Below is generated by plot.py at 2018-08-09 19:16:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 118.85 Mbit/s
95th percentile per-packet one-way delay: 158.658 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 118.85 Mbit/s
95th percentile per-packet one-way delay: 158.658 ms
Loss rate: 0.93%

Run 9: Report of Verus — Data Link

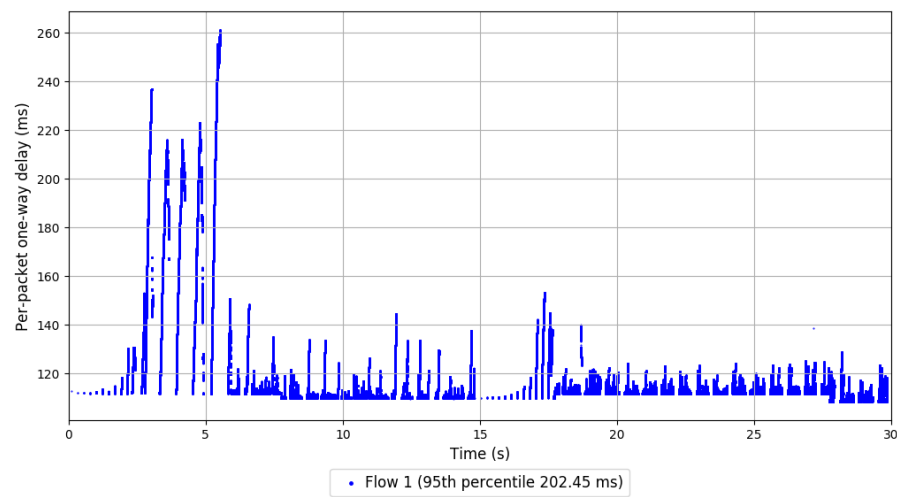
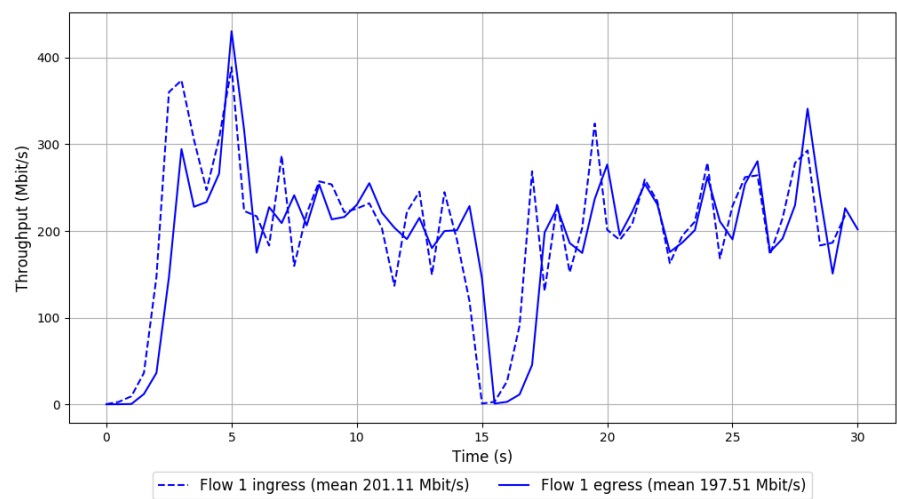


Run 10: Statistics of Verus

Start at: 2018-08-09 17:25:34
End at: 2018-08-09 17:26:04
Local clock offset: -0.795 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-08-09 19:18:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 197.51 Mbit/s
95th percentile per-packet one-way delay: 202.448 ms
Loss rate: 2.09%
-- Flow 1:
Average throughput: 197.51 Mbit/s
95th percentile per-packet one-way delay: 202.448 ms
Loss rate: 2.09%

Run 10: Report of Verus — Data Link

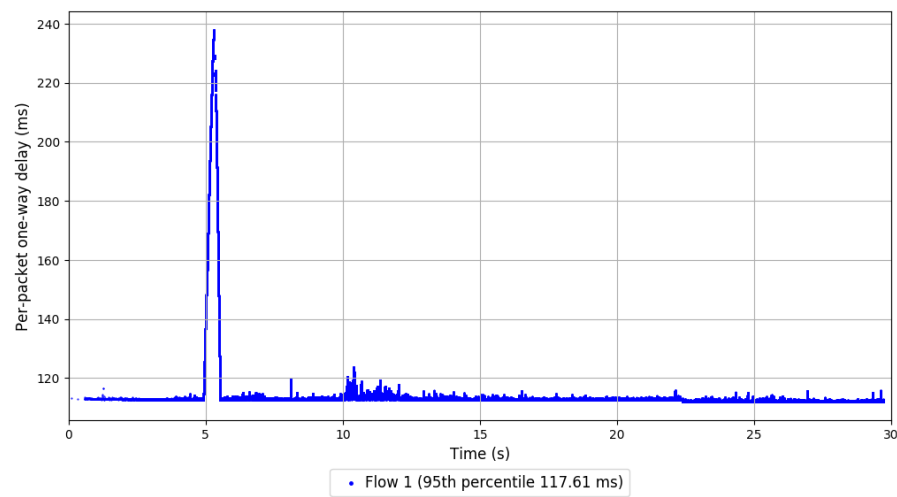
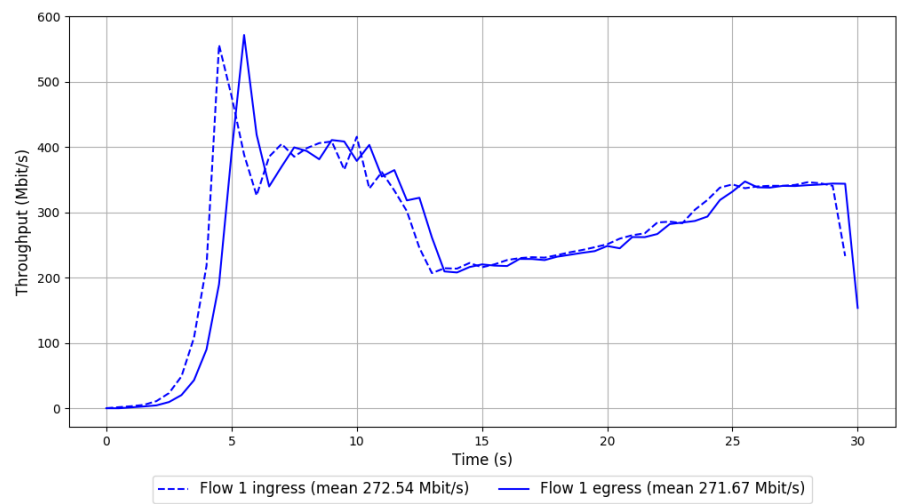


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-09 14:10:39
End at: 2018-08-09 14:11:09
Local clock offset: 1.196 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2018-08-09 19:20:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 271.67 Mbit/s
95th percentile per-packet one-way delay: 117.615 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 271.67 Mbit/s
95th percentile per-packet one-way delay: 117.615 ms
Loss rate: 1.07%

Run 1: Report of PCC-Vivace — Data Link

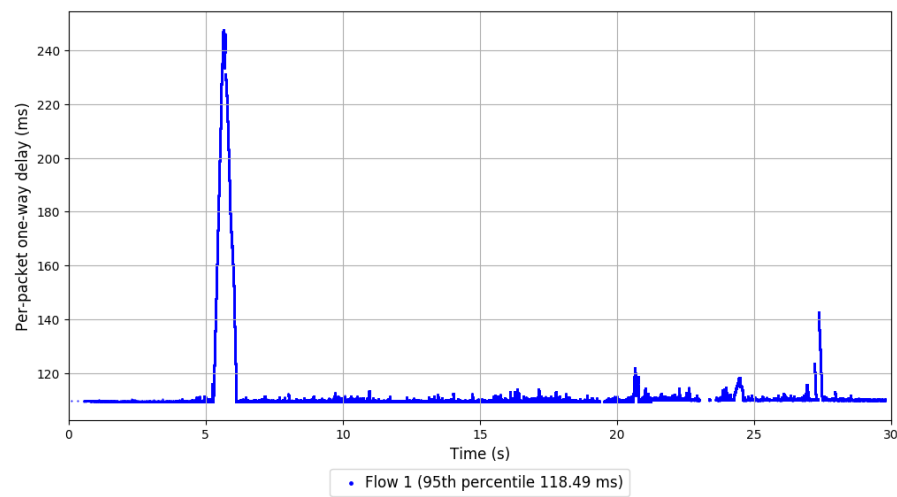
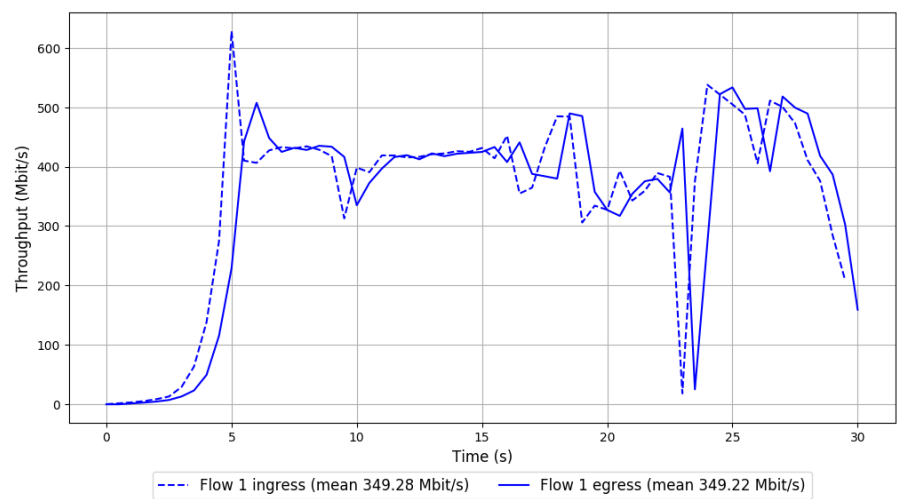


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-09 14:33:11
End at: 2018-08-09 14:33:41
Local clock offset: -0.144 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-08-09 19:21:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 349.22 Mbit/s
95th percentile per-packet one-way delay: 118.490 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 349.22 Mbit/s
95th percentile per-packet one-way delay: 118.490 ms
Loss rate: 0.76%

Run 2: Report of PCC-Vivace — Data Link

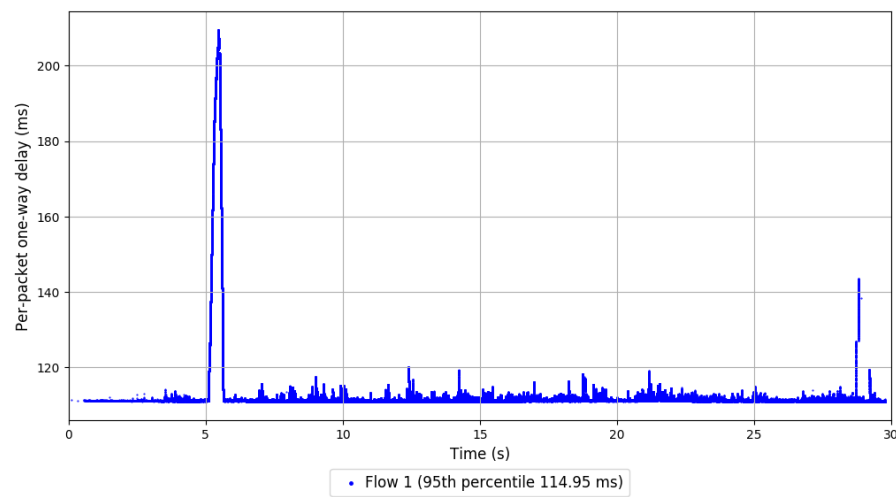
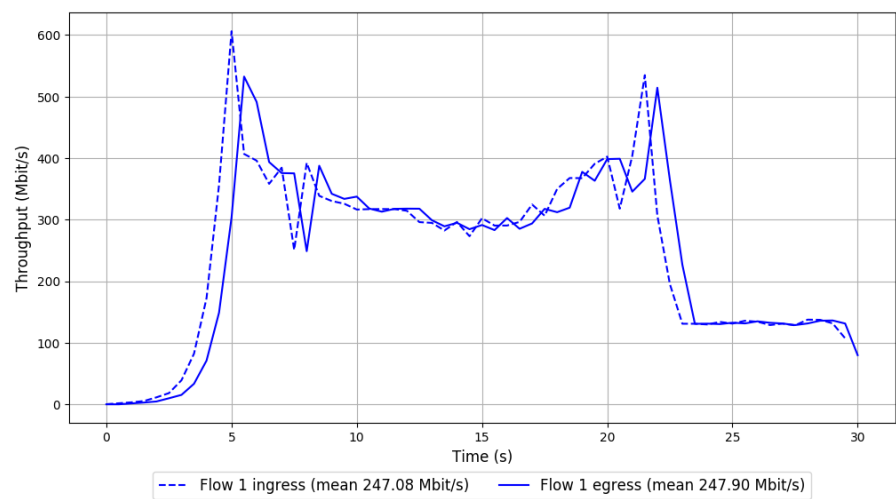


Run 3: Statistics of PCC-Vivace

Start at: 2018-08-09 14:55:55
End at: 2018-08-09 14:56:25
Local clock offset: -0.242 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-08-09 19:21:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 247.90 Mbit/s
95th percentile per-packet one-way delay: 114.950 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 247.90 Mbit/s
95th percentile per-packet one-way delay: 114.950 ms
Loss rate: 0.41%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-08-09 15:18:37

End at: 2018-08-09 15:19:07

Local clock offset: -0.975 ms

Remote clock offset: 0.103 ms

Below is generated by plot.py at 2018-08-09 19:21:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 135.65 Mbit/s

95th percentile per-packet one-way delay: 110.739 ms

Loss rate: 1.41%

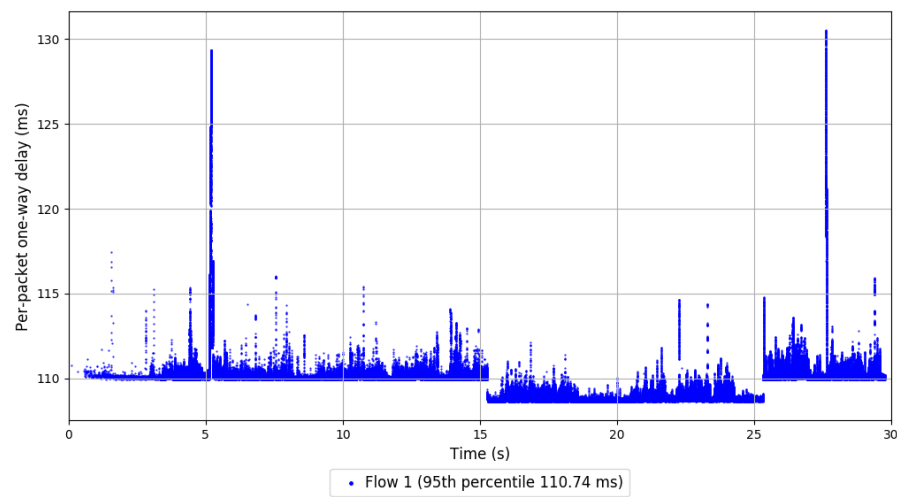
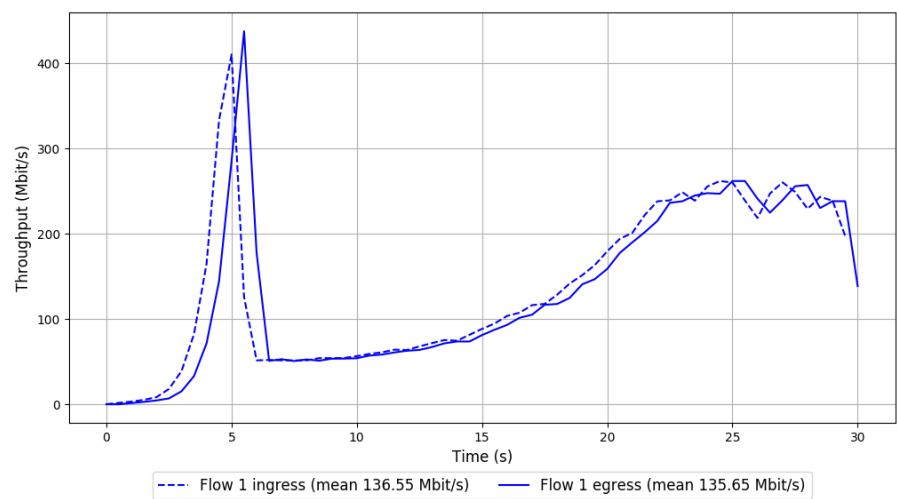
-- Flow 1:

Average throughput: 135.65 Mbit/s

95th percentile per-packet one-way delay: 110.739 ms

Loss rate: 1.41%

Run 4: Report of PCC-Vivace — Data Link

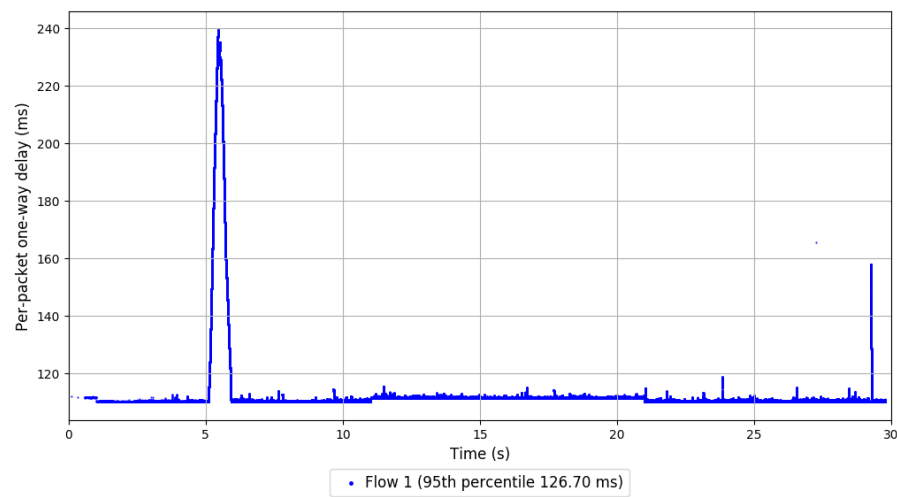
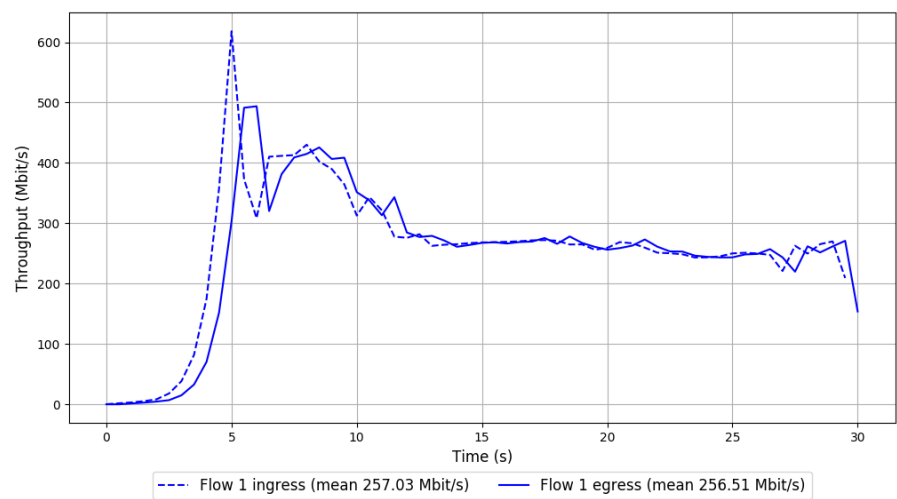


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-09 15:40:51
End at: 2018-08-09 15:41:21
Local clock offset: 0.131 ms
Remote clock offset: -0.183 ms

Below is generated by plot.py at 2018-08-09 19:21:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 256.51 Mbit/s
95th percentile per-packet one-way delay: 126.698 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 256.51 Mbit/s
95th percentile per-packet one-way delay: 126.698 ms
Loss rate: 0.95%

Run 5: Report of PCC-Vivace — Data Link

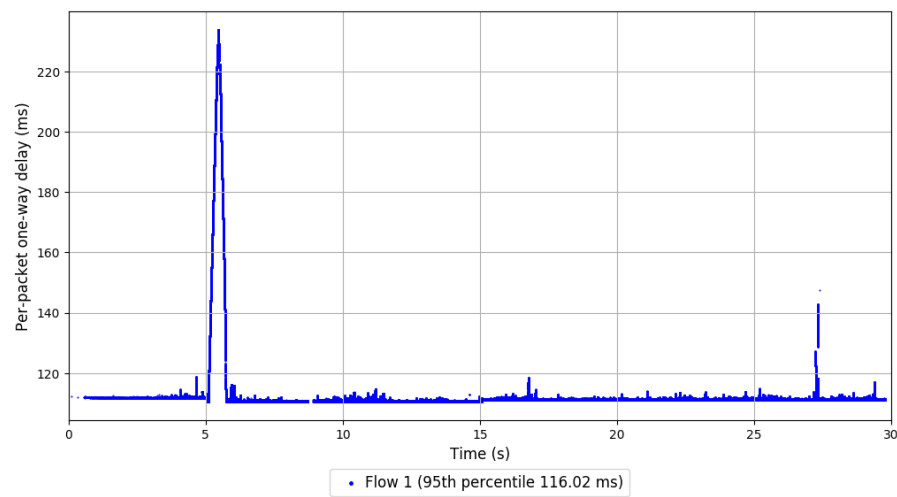
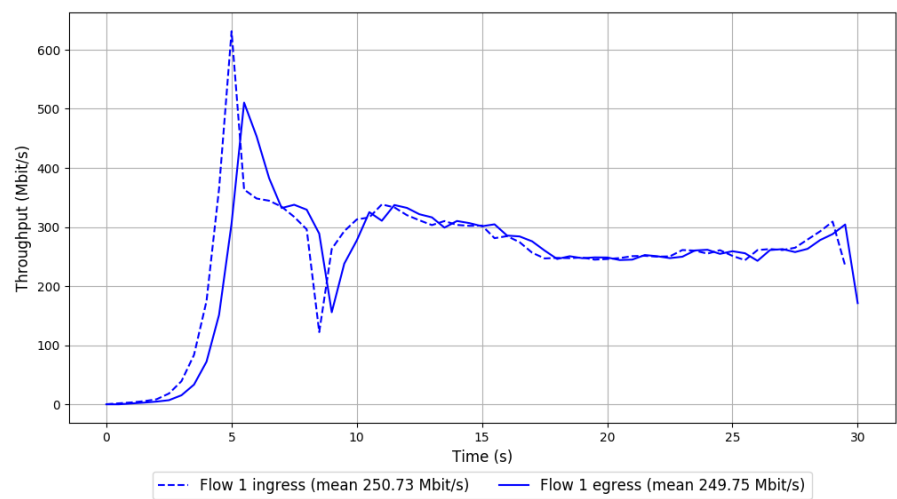


Run 6: Statistics of PCC-Vivace

Start at: 2018-08-09 16:03:07
End at: 2018-08-09 16:03:37
Local clock offset: -0.048 ms
Remote clock offset: -0.445 ms

Below is generated by plot.py at 2018-08-09 19:21:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 249.75 Mbit/s
95th percentile per-packet one-way delay: 116.019 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 249.75 Mbit/s
95th percentile per-packet one-way delay: 116.019 ms
Loss rate: 1.13%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-08-09 16:25:17

End at: 2018-08-09 16:25:47

Local clock offset: -0.839 ms

Remote clock offset: 0.209 ms

Below is generated by plot.py at 2018-08-09 19:21:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.91 Mbit/s

95th percentile per-packet one-way delay: 109.893 ms

Loss rate: 0.87%

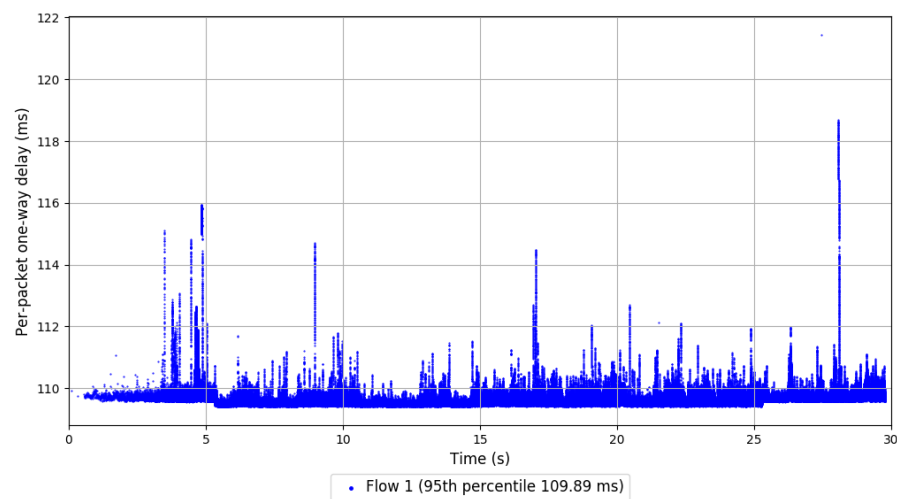
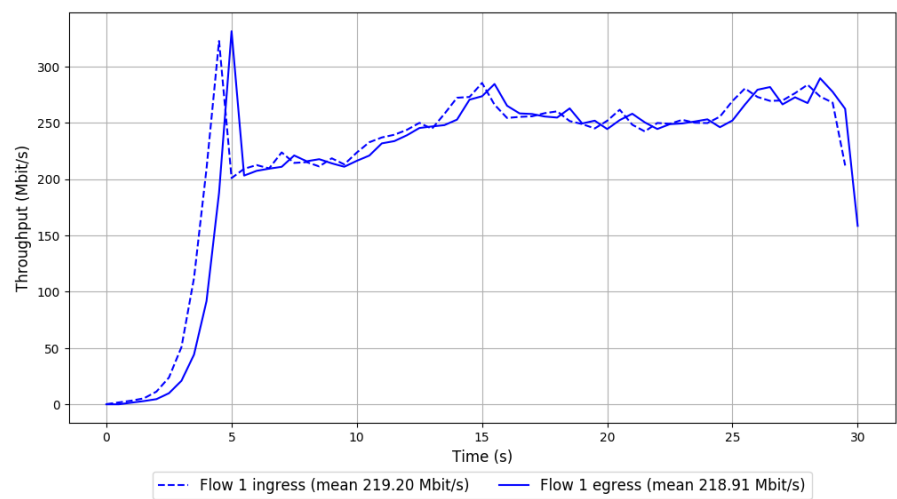
-- Flow 1:

Average throughput: 218.91 Mbit/s

95th percentile per-packet one-way delay: 109.893 ms

Loss rate: 0.87%

Run 7: Report of PCC-Vivace — Data Link

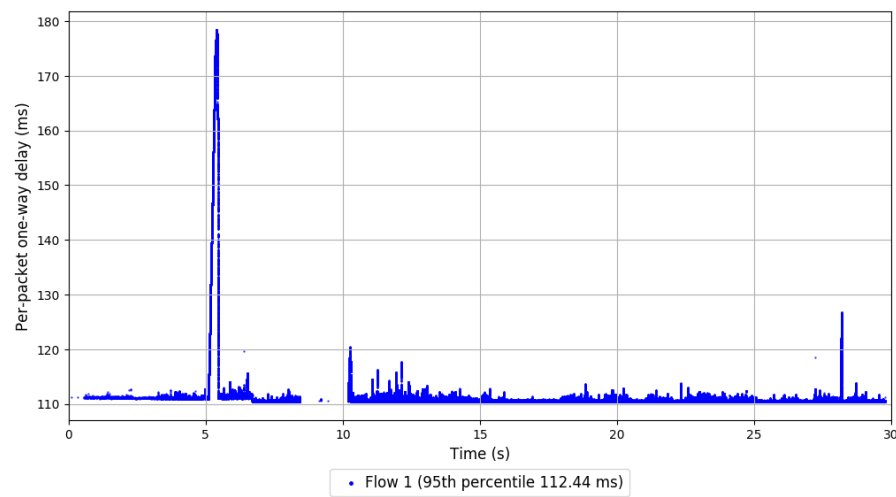
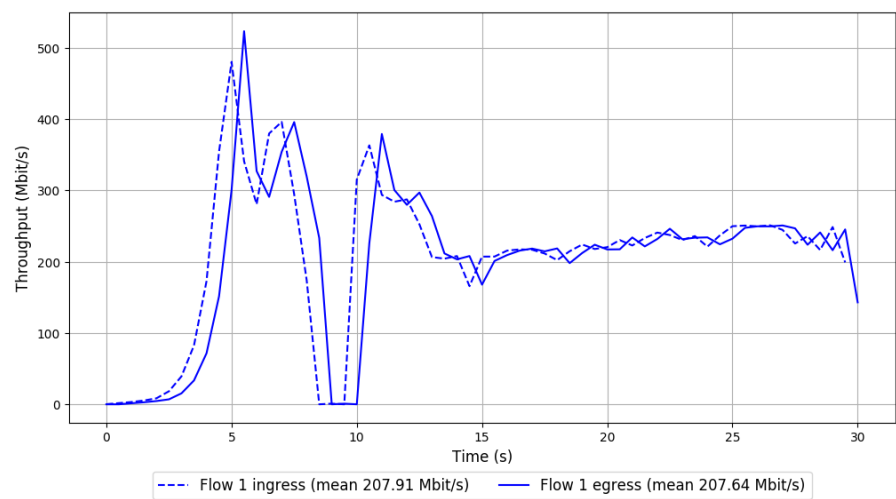


Run 8: Statistics of PCC-Vivace

Start at: 2018-08-09 16:47:25
End at: 2018-08-09 16:47:55
Local clock offset: -0.103 ms
Remote clock offset: -0.184 ms

Below is generated by plot.py at 2018-08-09 19:21:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 207.64 Mbit/s
95th percentile per-packet one-way delay: 112.438 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 207.64 Mbit/s
95th percentile per-packet one-way delay: 112.438 ms
Loss rate: 0.88%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-08-09 17:10:03

End at: 2018-08-09 17:10:33

Local clock offset: -0.15 ms

Remote clock offset: -0.305 ms

Below is generated by plot.py at 2018-08-09 19:21:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 272.16 Mbit/s

95th percentile per-packet one-way delay: 113.535 ms

Loss rate: 1.12%

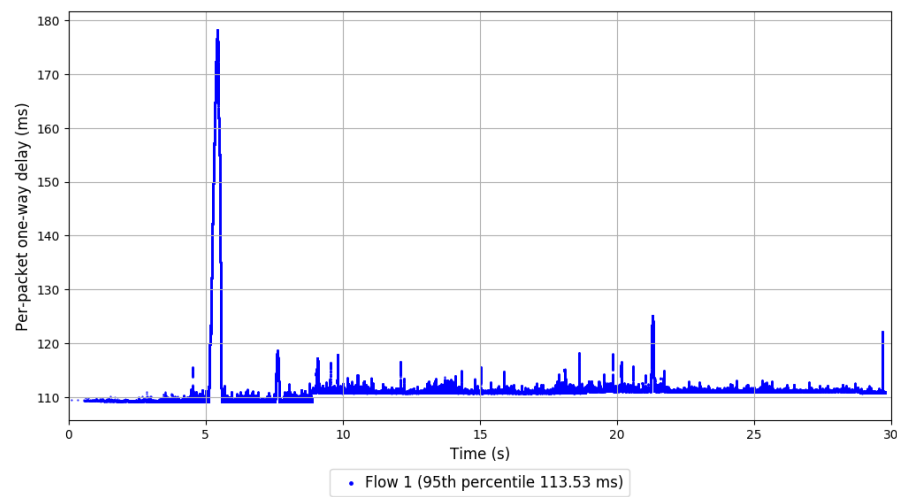
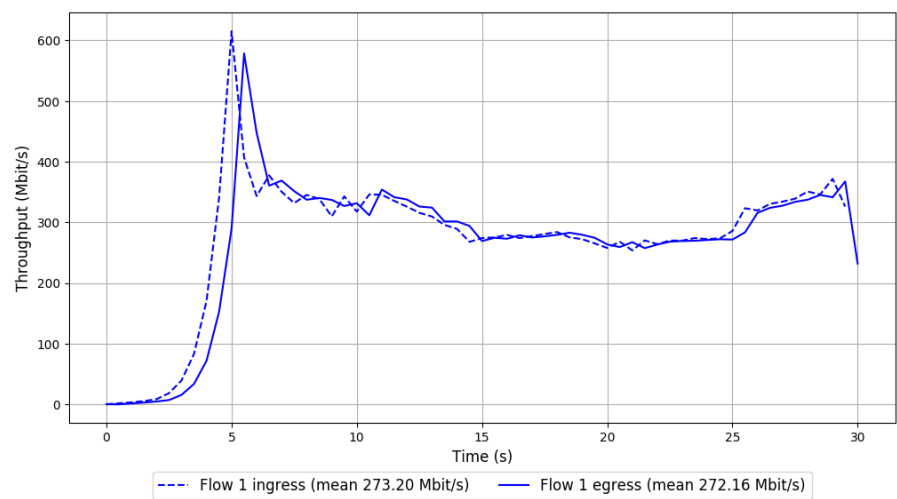
-- Flow 1:

Average throughput: 272.16 Mbit/s

95th percentile per-packet one-way delay: 113.535 ms

Loss rate: 1.12%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-08-09 17:32:33

End at: 2018-08-09 17:33:03

Local clock offset: 0.039 ms

Remote clock offset: -0.662 ms

Below is generated by plot.py at 2018-08-09 19:21:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.16 Mbit/s

95th percentile per-packet one-way delay: 115.923 ms

Loss rate: 0.94%

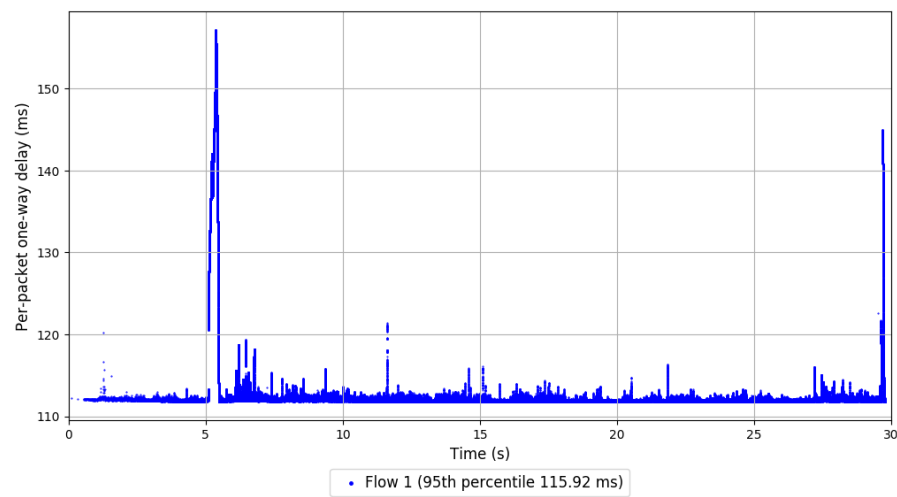
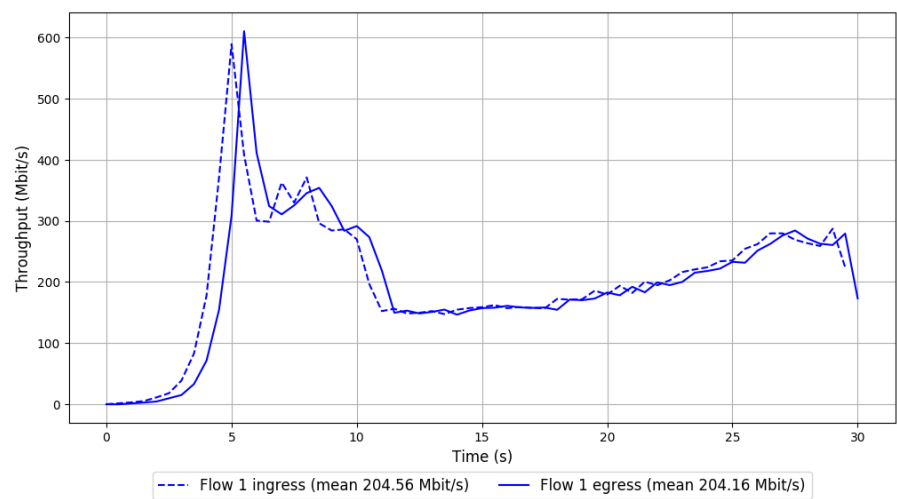
-- Flow 1:

Average throughput: 204.16 Mbit/s

95th percentile per-packet one-way delay: 115.923 ms

Loss rate: 0.94%

Run 10: Report of PCC-Vivace — Data Link

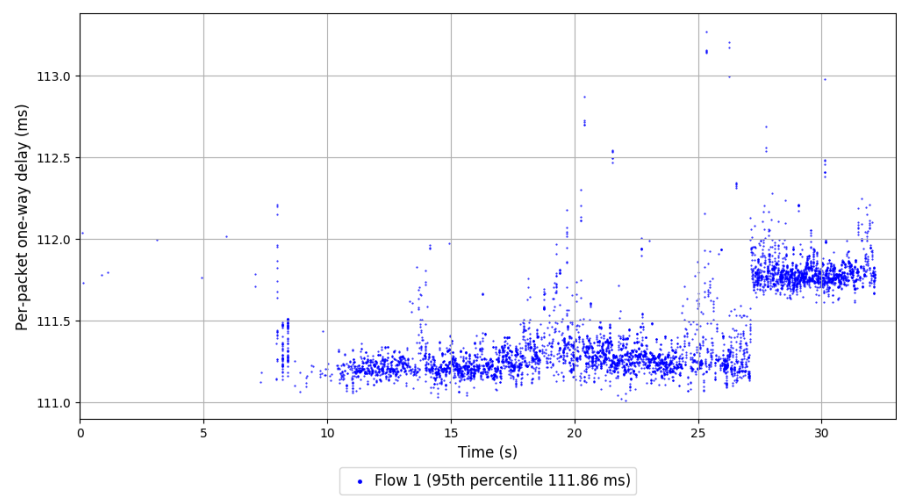
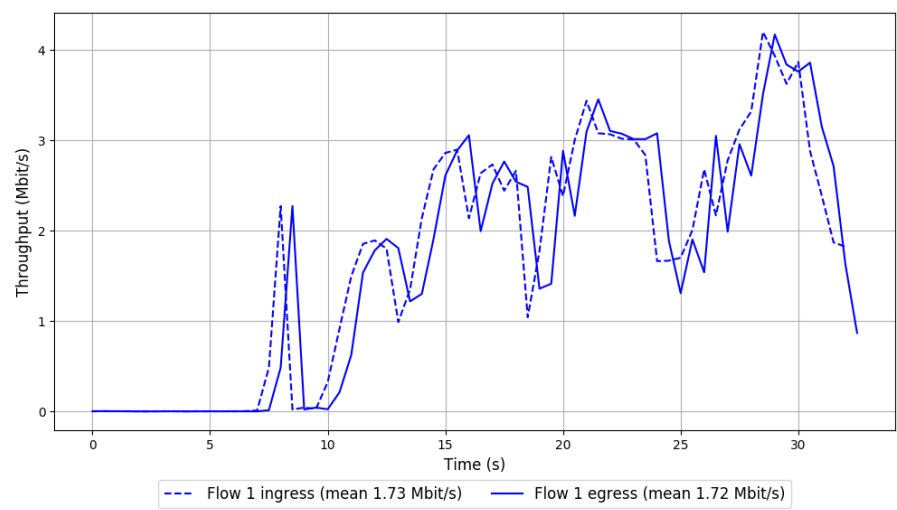


Run 1: Statistics of WebRTC media

Start at: 2018-08-09 14:13:47
End at: 2018-08-09 14:14:17
Local clock offset: 0.004 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-08-09 19:21:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.72 Mbit/s
95th percentile per-packet one-way delay: 111.865 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 1.72 Mbit/s
95th percentile per-packet one-way delay: 111.865 ms
Loss rate: 1.26%

Run 1: Report of WebRTC media — Data Link

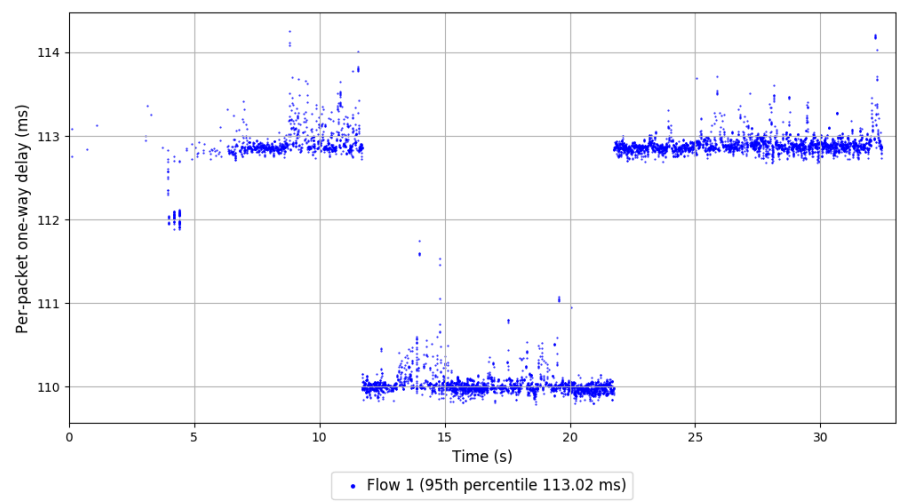
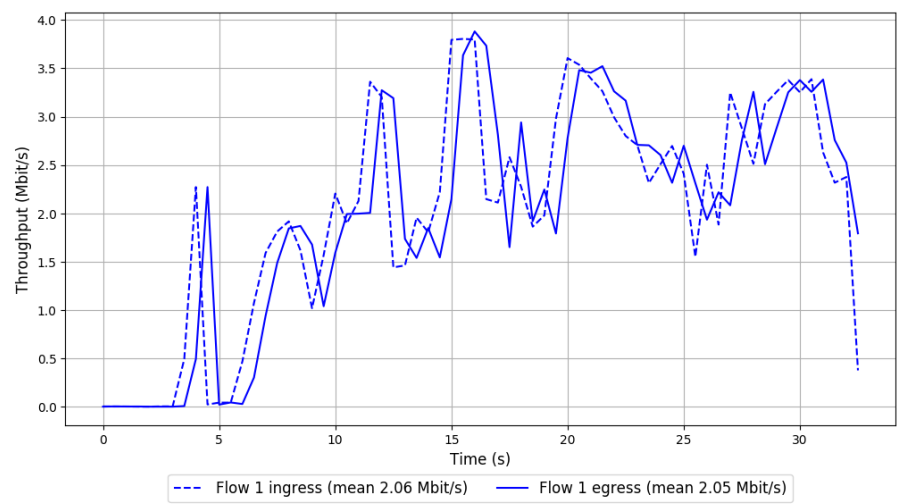


Run 2: Statistics of WebRTC media

Start at: 2018-08-09 14:36:23
End at: 2018-08-09 14:36:53
Local clock offset: -0.198 ms
Remote clock offset: -0.496 ms

Below is generated by plot.py at 2018-08-09 19:21:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 113.024 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 113.024 ms
Loss rate: 1.03%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-08-09 14:59:01

End at: 2018-08-09 14:59:31

Local clock offset: -0.095 ms

Remote clock offset: -0.34 ms

Below is generated by plot.py at 2018-08-09 19:21:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 112.300 ms

Loss rate: 1.00%

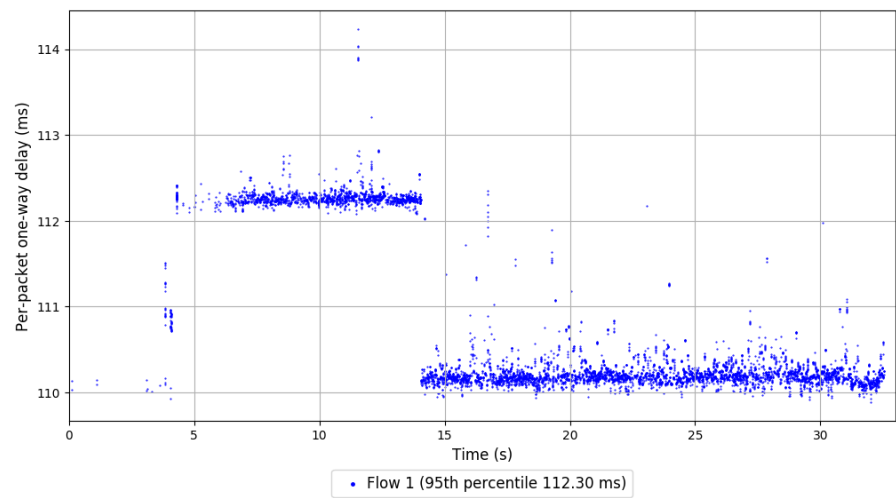
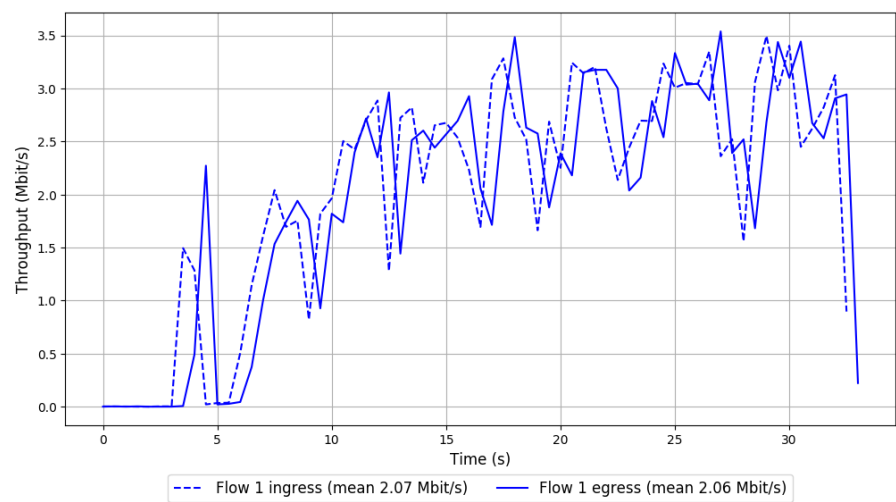
-- Flow 1:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 112.300 ms

Loss rate: 1.00%

Run 3: Report of WebRTC media — Data Link

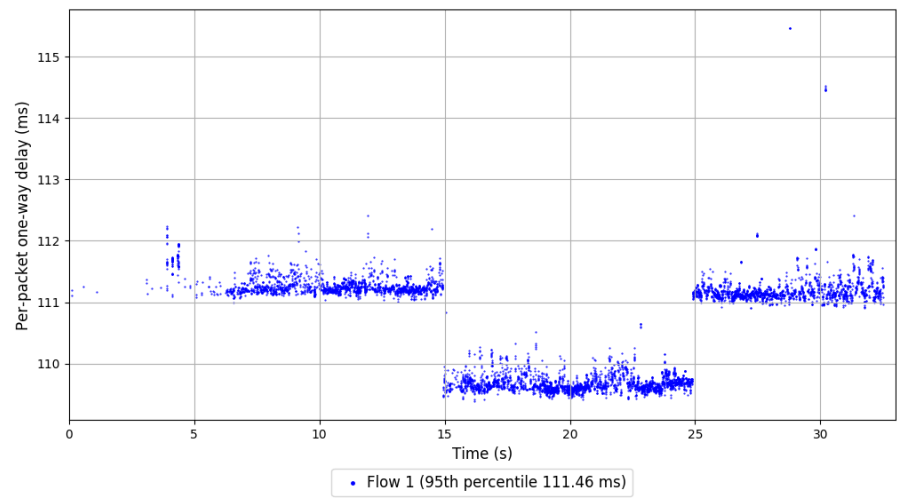
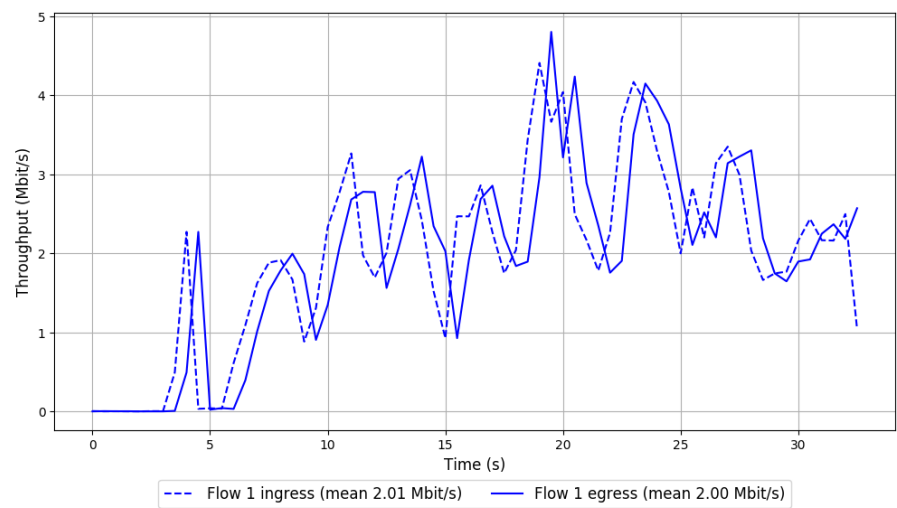


Run 4: Statistics of WebRTC media

Start at: 2018-08-09 15:21:30
End at: 2018-08-09 15:22:00
Local clock offset: -0.134 ms
Remote clock offset: -0.183 ms

Below is generated by plot.py at 2018-08-09 19:21:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 111.457 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 111.457 ms
Loss rate: 1.11%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-08-09 15:43:55

End at: 2018-08-09 15:44:25

Local clock offset: 0.033 ms

Remote clock offset: 0.18 ms

Below is generated by plot.py at 2018-08-09 19:21:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 111.153 ms

Loss rate: 0.81%

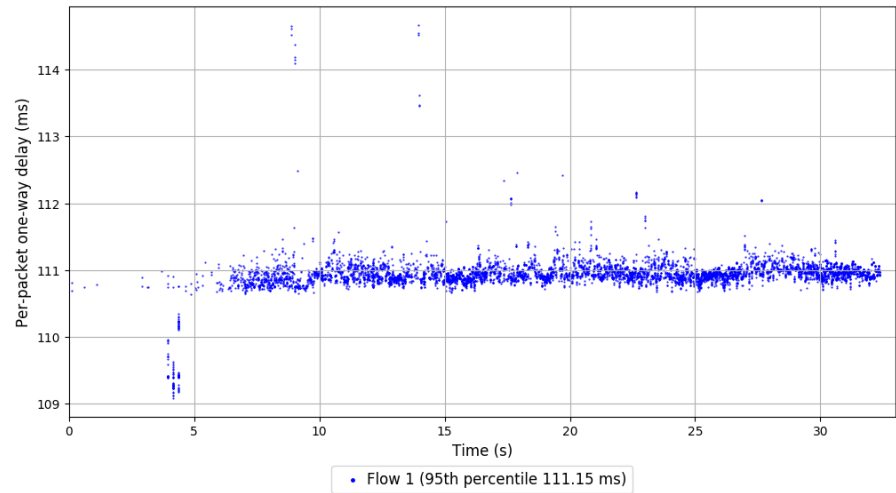
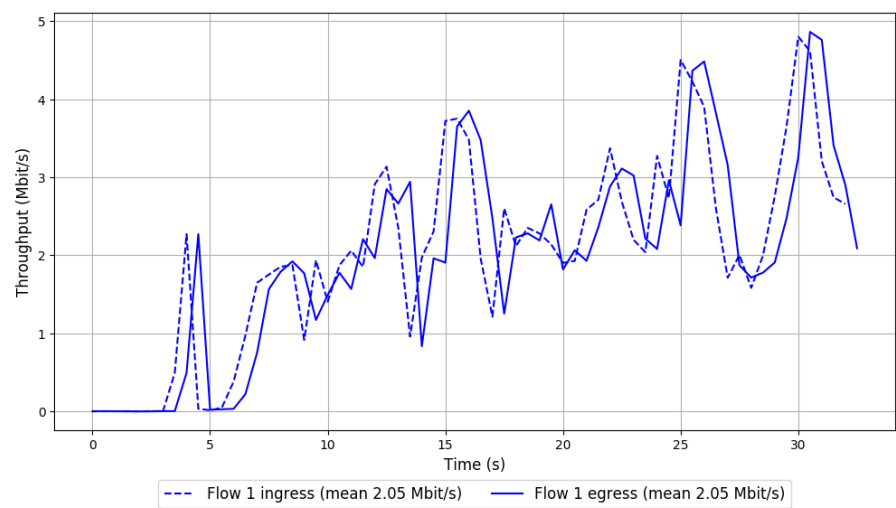
-- Flow 1:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 111.153 ms

Loss rate: 0.81%

Run 5: Report of WebRTC media — Data Link

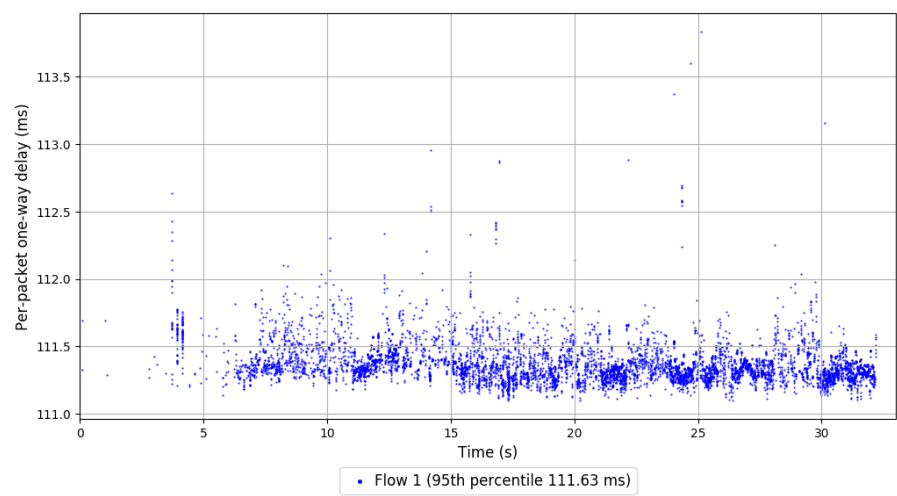
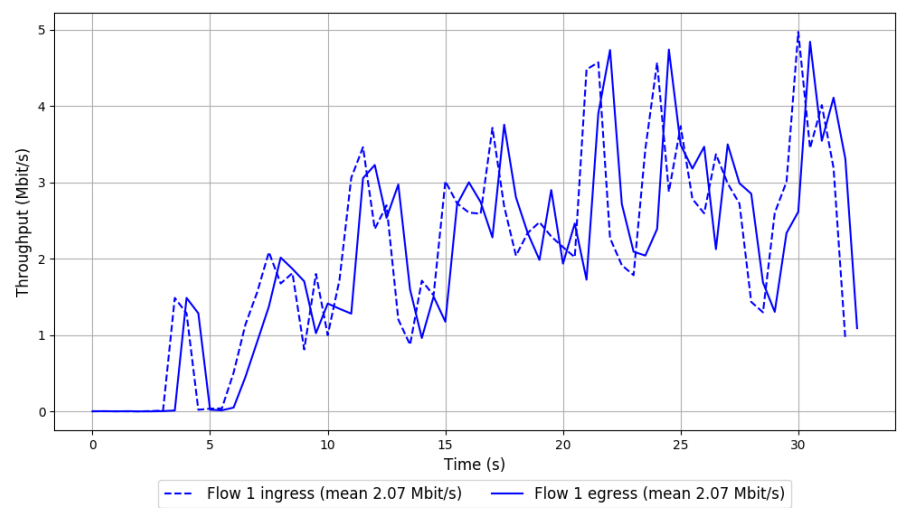


Run 6: Statistics of WebRTC media

Start at: 2018-08-09 16:06:09
End at: 2018-08-09 16:06:39
Local clock offset: -0.08 ms
Remote clock offset: -0.361 ms

Below is generated by plot.py at 2018-08-09 19:21:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 111.631 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 111.631 ms
Loss rate: 0.43%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-08-09 16:28:18

End at: 2018-08-09 16:28:48

Local clock offset: -0.943 ms

Remote clock offset: 0.162 ms

Below is generated by plot.py at 2018-08-09 19:21:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 111.485 ms

Loss rate: 0.90%

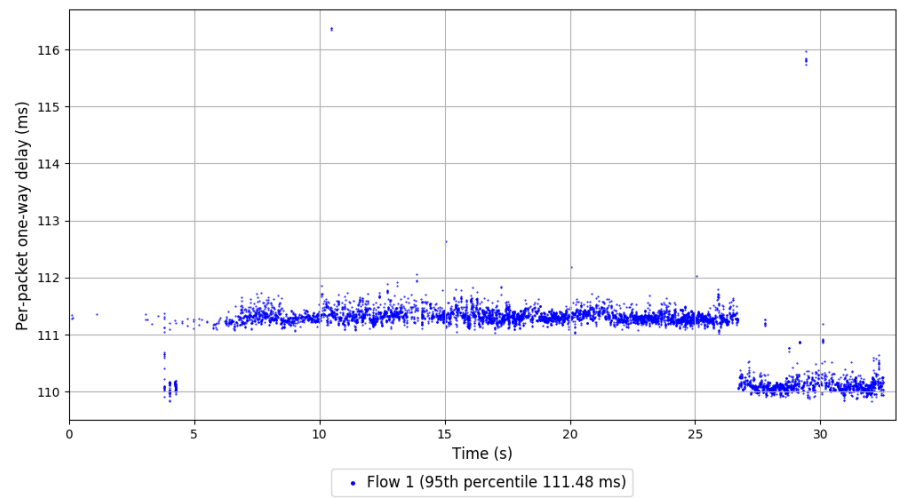
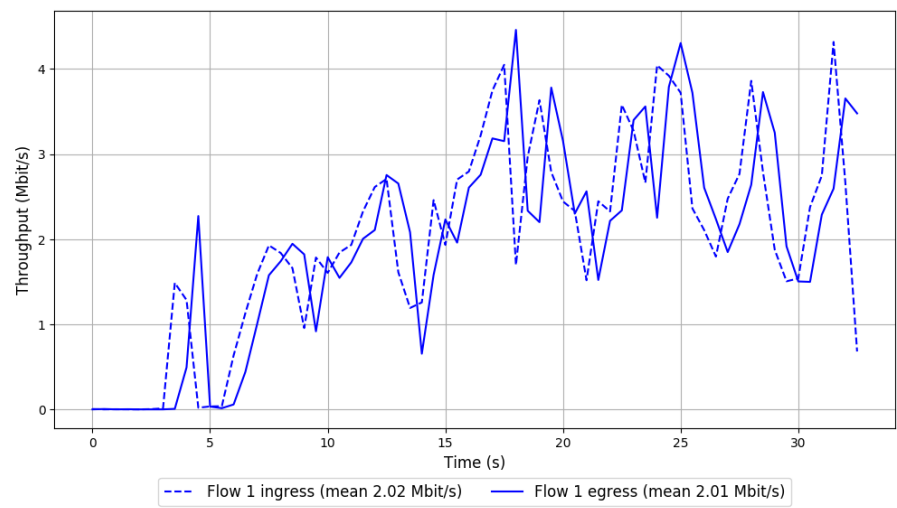
-- Flow 1:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 111.485 ms

Loss rate: 0.90%

Run 7: Report of WebRTC media — Data Link

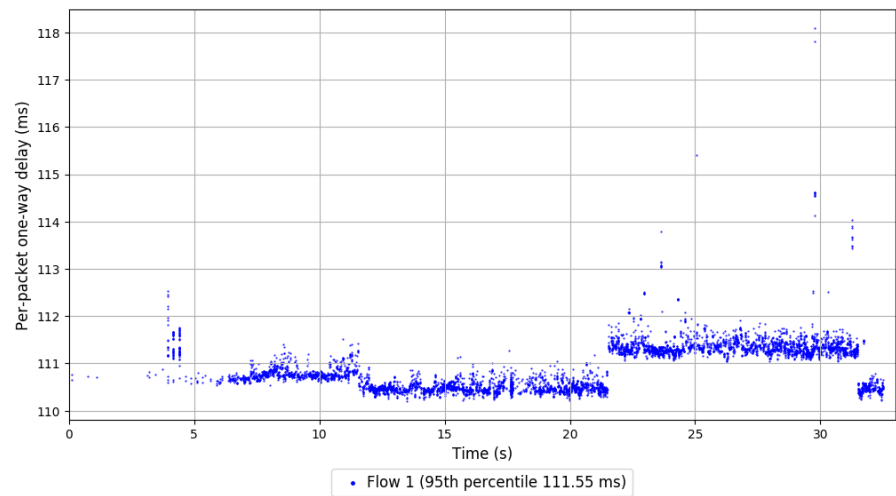
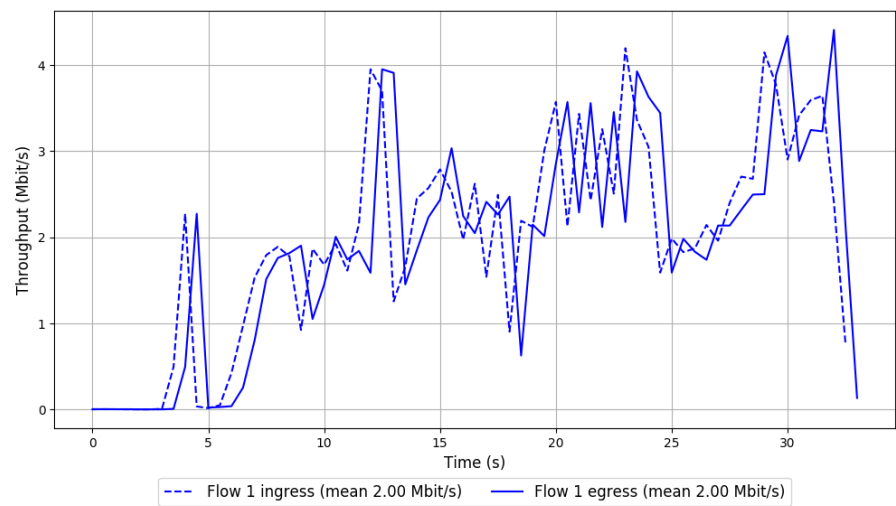


Run 8: Statistics of WebRTC media

Start at: 2018-08-09 16:50:23
End at: 2018-08-09 16:50:53
Local clock offset: 0.071 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-08-09 19:21:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 111.545 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 111.545 ms
Loss rate: 0.92%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-08-09 17:13:08

End at: 2018-08-09 17:13:38

Local clock offset: -0.11 ms

Remote clock offset: -0.32 ms

Below is generated by plot.py at 2018-08-09 19:21:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.00 Mbit/s

95th percentile per-packet one-way delay: 112.678 ms

Loss rate: 0.64%

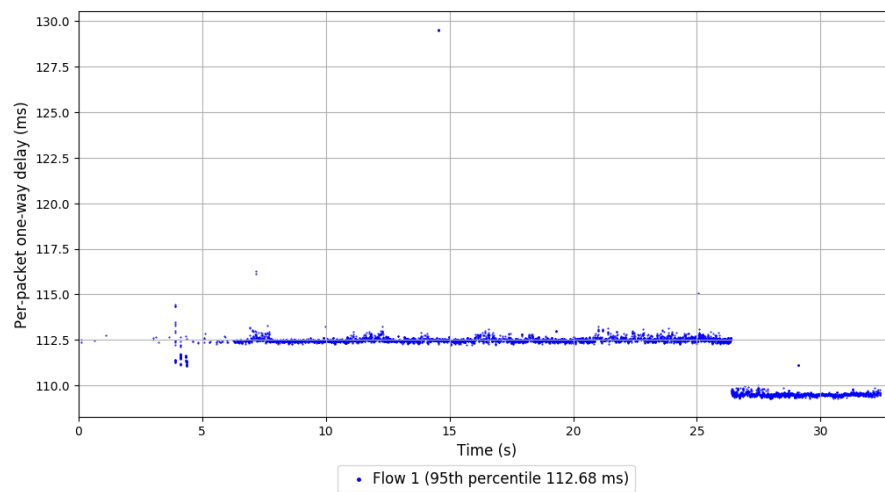
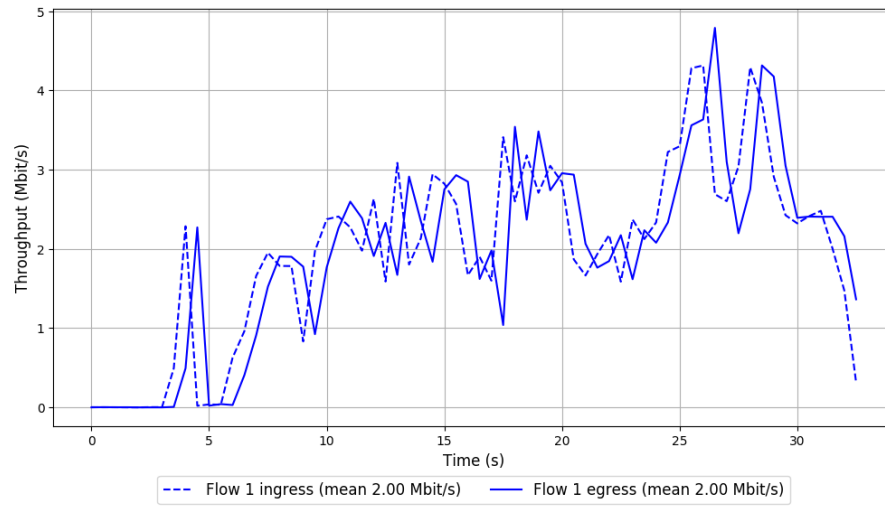
-- Flow 1:

Average throughput: 2.00 Mbit/s

95th percentile per-packet one-way delay: 112.678 ms

Loss rate: 0.64%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-09 17:35:30

End at: 2018-08-09 17:36:00

Local clock offset: 1.123 ms

Remote clock offset: -0.719 ms

Below is generated by plot.py at 2018-08-09 19:21:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.02 Mbit/s

95th percentile per-packet one-way delay: 114.659 ms

Loss rate: 1.00%

-- Flow 1:

Average throughput: 2.02 Mbit/s

95th percentile per-packet one-way delay: 114.659 ms

Loss rate: 1.00%

Run 10: Report of WebRTC media — Data Link

