

Pantheon Report

Generated at 2018-05-22 13:03:56 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

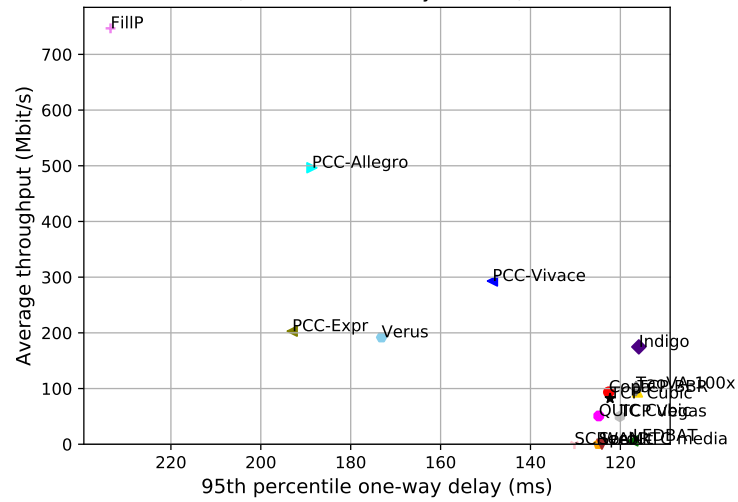
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

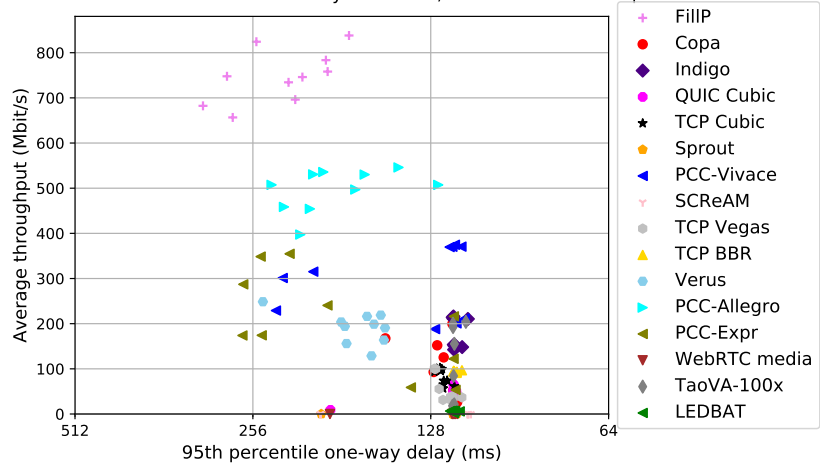
Git summary:

```
branch: master @ 2d1d4407e851ba626e5ca4626a306105793df686
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	93.89	116.21	0.74
Copa	10	93.51	122.58	0.63
TCP Cubic	10	82.24	122.29	0.91
FillP	10	746.77	233.44	5.98
Indigo	10	174.81	115.90	0.76
LEDBAT	10	6.03	117.23	1.53
PCC-Allegro	10	496.44	188.62	2.48
PCC-Expr	10	202.97	193.02	4.09
QUIC Cubic	9	50.80	124.81	1.13
SCReAM	10	0.19	130.22	0.68
Sprout	10	0.20	124.82	0.43
TaoVA-100x	9	100.05	116.52	0.71
TCP Vegas	10	49.92	120.13	0.75
Verus	10	191.97	173.14	1.19
PCC-Vivace	10	293.07	148.47	1.30
WebRTC media	10	0.05	124.10	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-05-22 08:25:38

End at: 2018-05-22 08:26:08

Local clock offset: -0.054 ms

Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-05-22 11:47:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.53 Mbit/s

95th percentile per-packet one-way delay: 116.970 ms

Loss rate: 0.31%

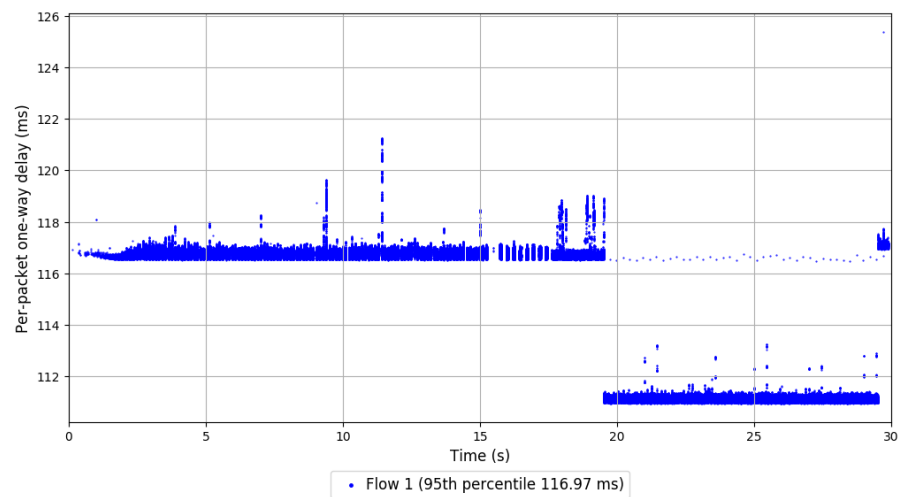
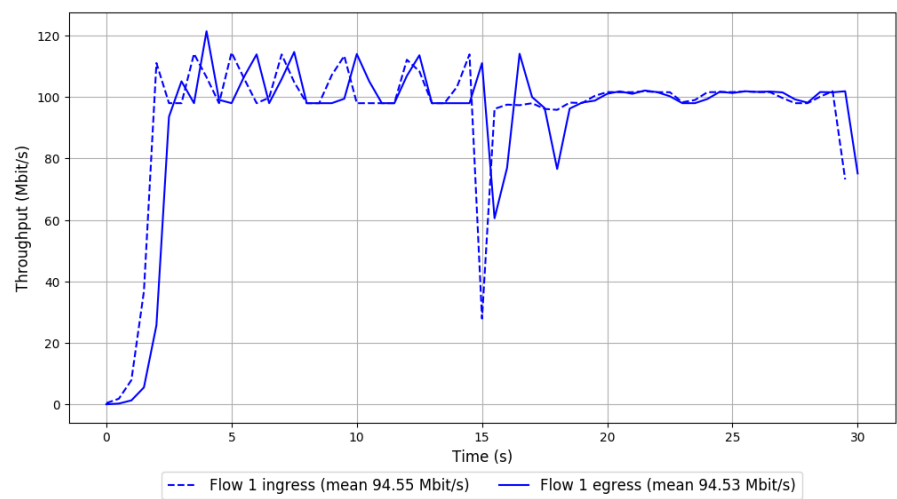
-- Flow 1:

Average throughput: 94.53 Mbit/s

95th percentile per-packet one-way delay: 116.970 ms

Loss rate: 0.31%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-05-22 08:46:25

End at: 2018-05-22 08:46:55

Local clock offset: 0.033 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-05-22 11:47:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.02 Mbit/s

95th percentile per-packet one-way delay: 117.204 ms

Loss rate: 0.77%

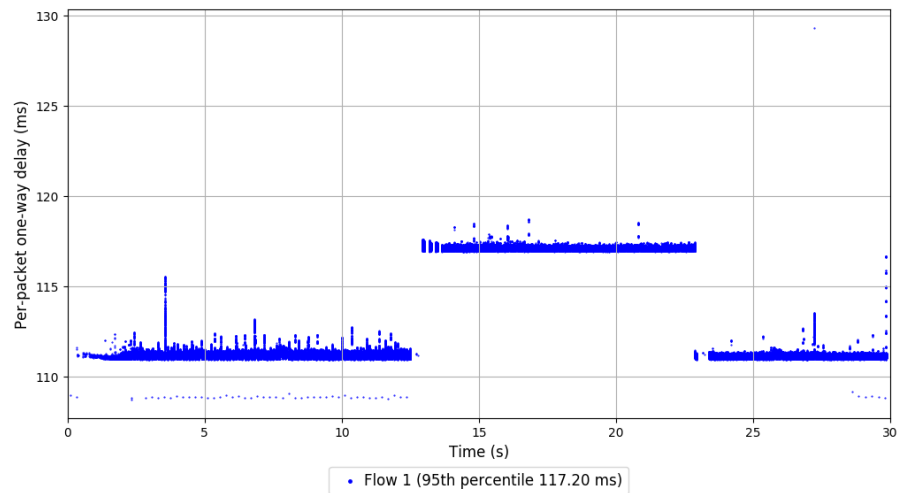
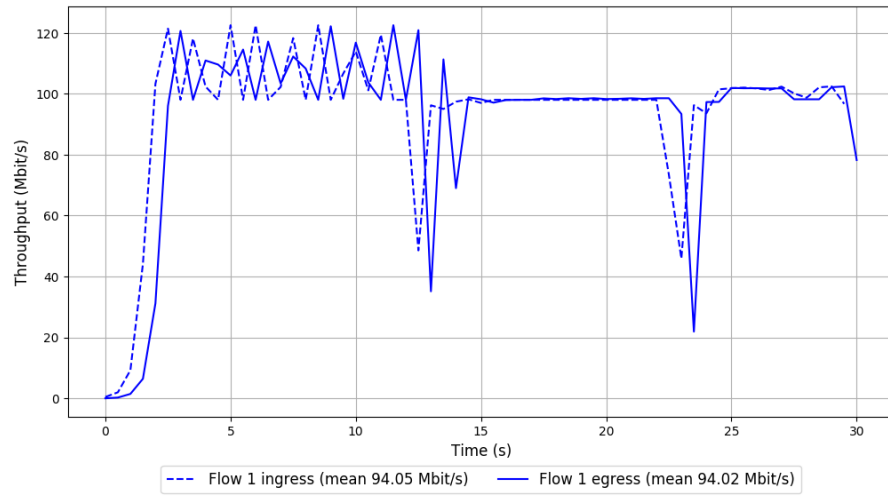
-- Flow 1:

Average throughput: 94.02 Mbit/s

95th percentile per-packet one-way delay: 117.204 ms

Loss rate: 0.77%

Run 2: Report of TCP BBR — Data Link

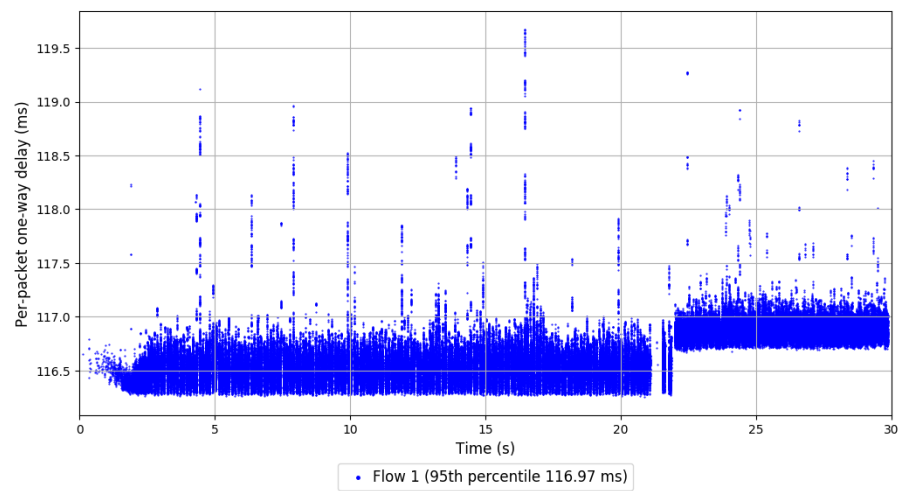
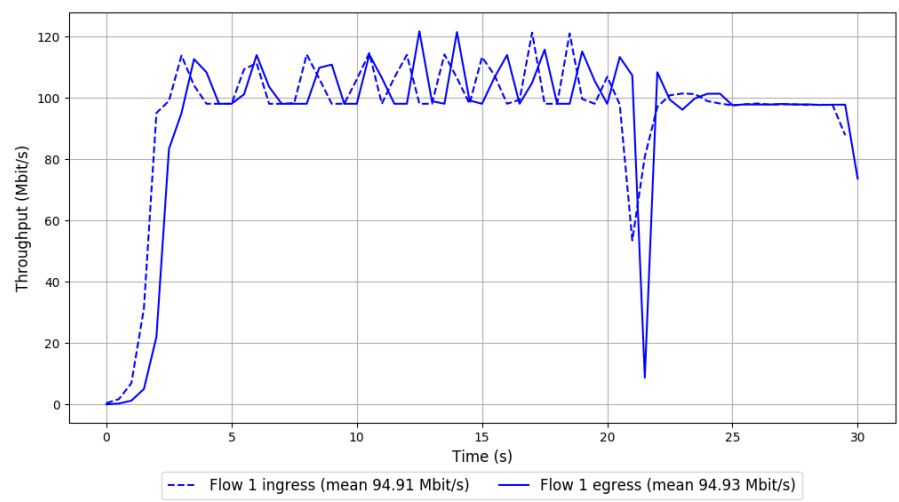


Run 3: Statistics of TCP BBR

Start at: 2018-05-22 09:07:16
End at: 2018-05-22 09:07:46
Local clock offset: -0.194 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-05-22 11:47:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.93 Mbit/s
95th percentile per-packet one-way delay: 116.974 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 94.93 Mbit/s
95th percentile per-packet one-way delay: 116.974 ms
Loss rate: 0.74%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-05-22 09:27:39

End at: 2018-05-22 09:28:09

Local clock offset: -0.05 ms

Remote clock offset: 0.29 ms

Below is generated by plot.py at 2018-05-22 11:47:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.09 Mbit/s

95th percentile per-packet one-way delay: 115.741 ms

Loss rate: 0.83%

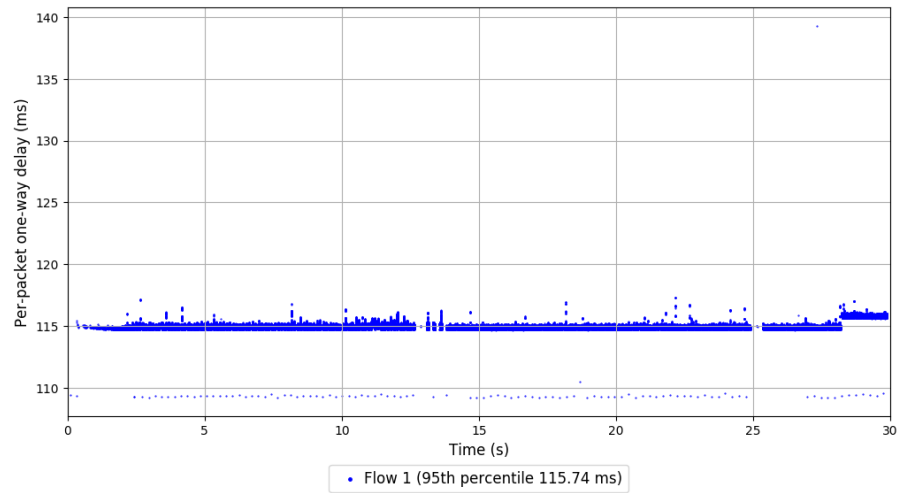
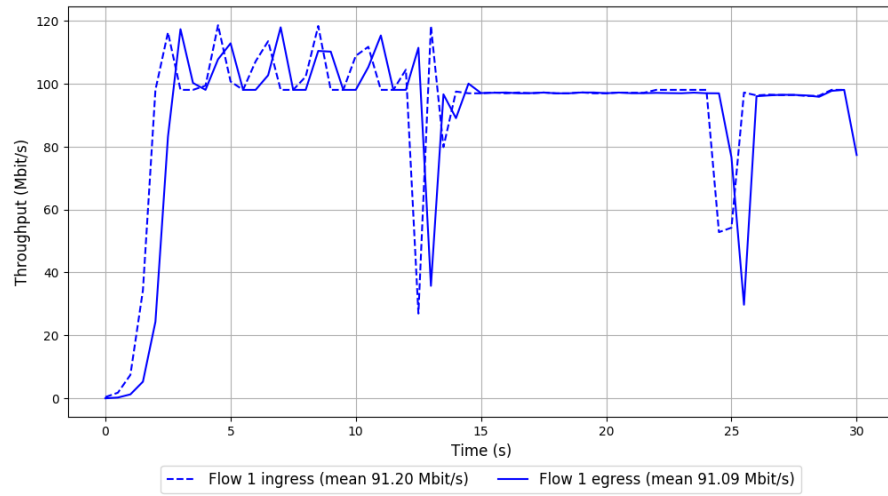
-- Flow 1:

Average throughput: 91.09 Mbit/s

95th percentile per-packet one-way delay: 115.741 ms

Loss rate: 0.83%

Run 4: Report of TCP BBR — Data Link

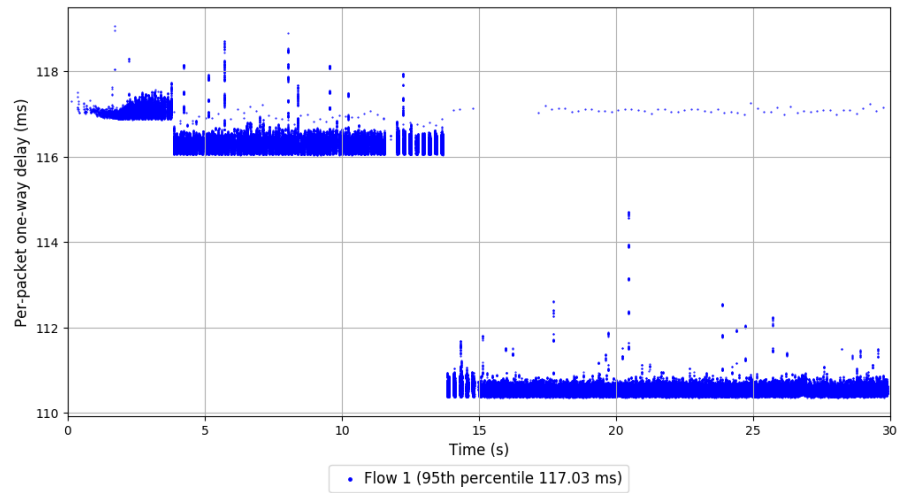
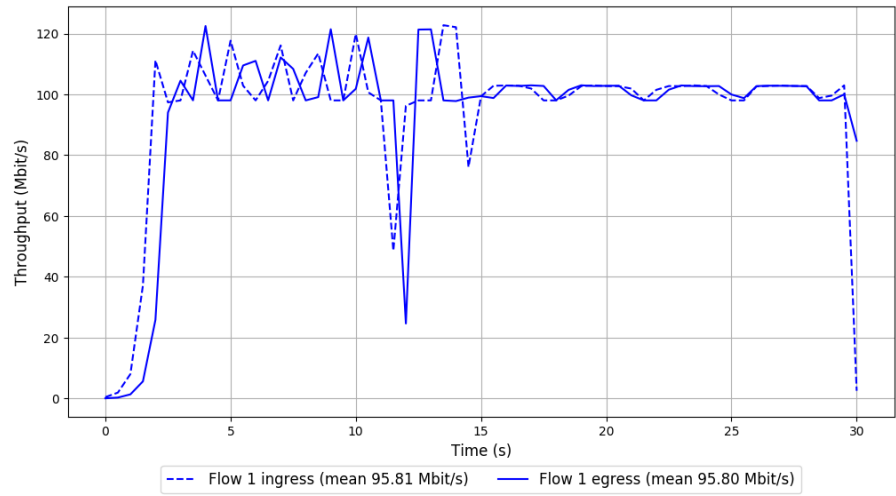


Run 5: Statistics of TCP BBR

Start at: 2018-05-22 09:48:24
End at: 2018-05-22 09:48:54
Local clock offset: -0.023 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-05-22 11:47:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.80 Mbit/s
95th percentile per-packet one-way delay: 117.033 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 95.80 Mbit/s
95th percentile per-packet one-way delay: 117.033 ms
Loss rate: 0.78%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-05-22 10:09:57

End at: 2018-05-22 10:10:27

Local clock offset: 0.006 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-05-22 11:47:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.69 Mbit/s

95th percentile per-packet one-way delay: 115.609 ms

Loss rate: 0.80%

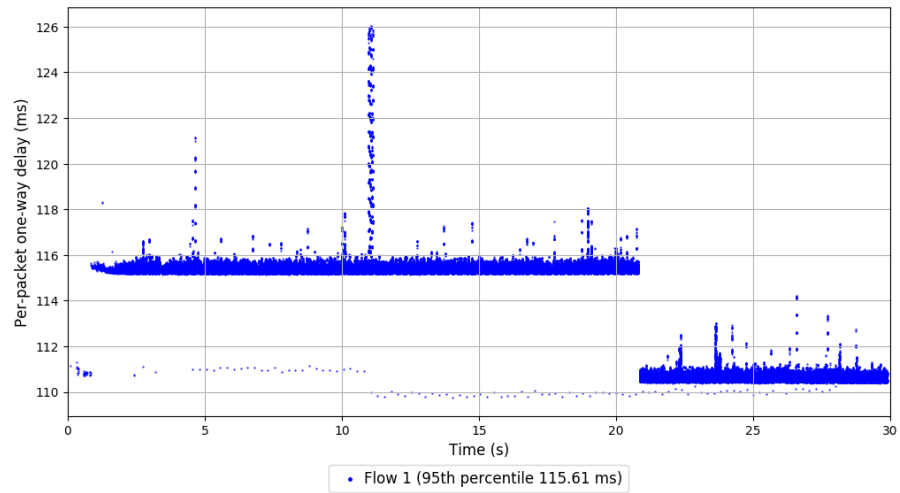
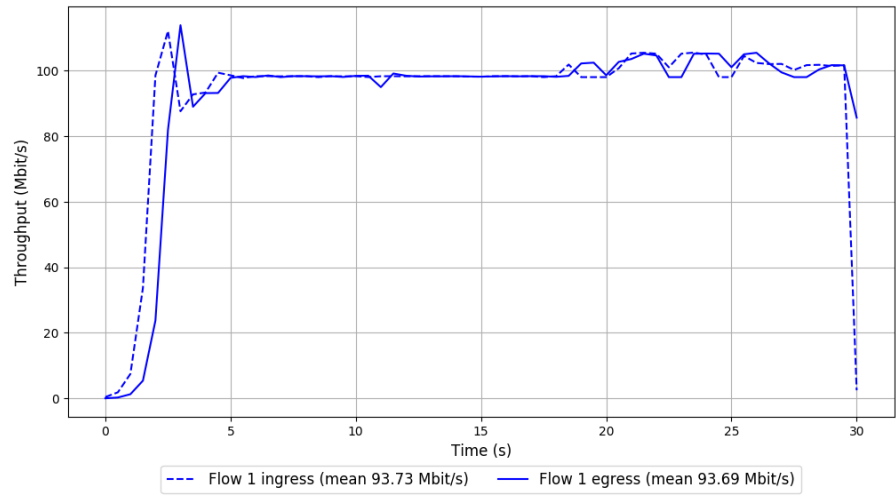
-- Flow 1:

Average throughput: 93.69 Mbit/s

95th percentile per-packet one-way delay: 115.609 ms

Loss rate: 0.80%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-05-22 10:30:40

End at: 2018-05-22 10:31:10

Local clock offset: -0.178 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-05-22 11:47:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.89 Mbit/s

95th percentile per-packet one-way delay: 113.346 ms

Loss rate: 0.75%

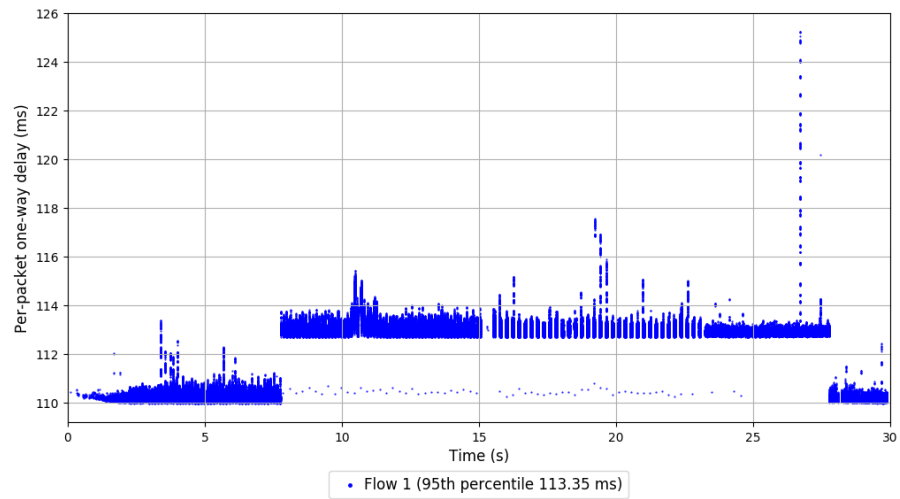
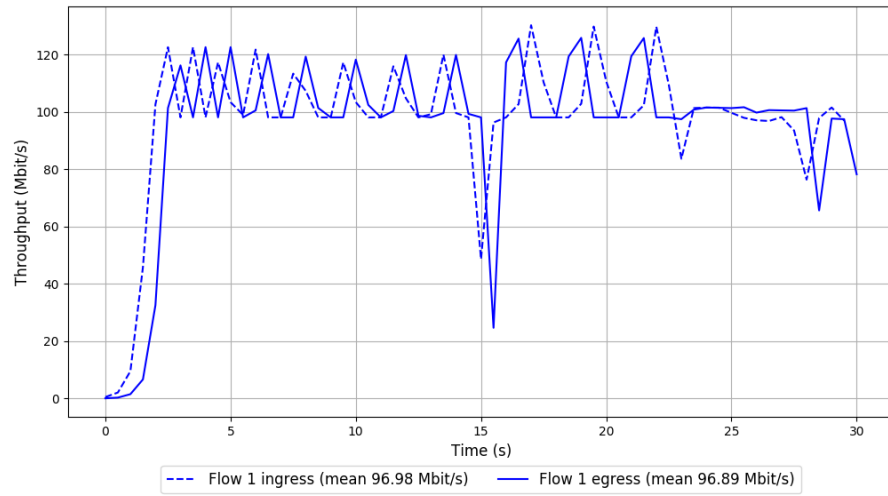
-- Flow 1:

Average throughput: 96.89 Mbit/s

95th percentile per-packet one-way delay: 113.346 ms

Loss rate: 0.75%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-05-22 10:51:29

End at: 2018-05-22 10:51:59

Local clock offset: -0.262 ms

Remote clock offset: 0.323 ms

Below is generated by plot.py at 2018-05-22 11:47:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.02 Mbit/s

95th percentile per-packet one-way delay: 115.864 ms

Loss rate: 0.87%

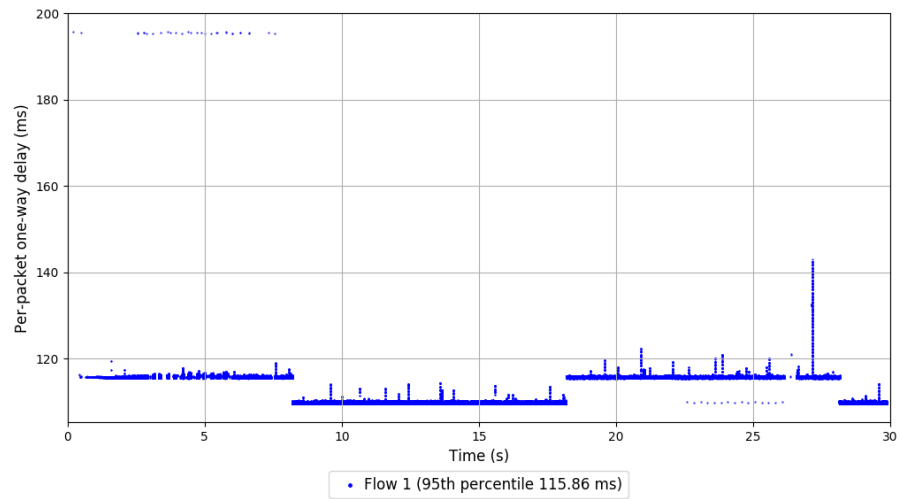
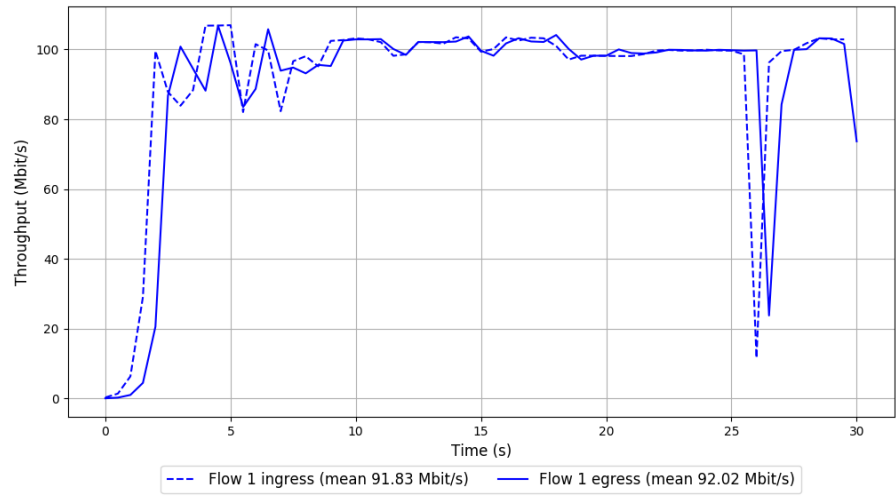
-- Flow 1:

Average throughput: 92.02 Mbit/s

95th percentile per-packet one-way delay: 115.864 ms

Loss rate: 0.87%

Run 8: Report of TCP BBR — Data Link

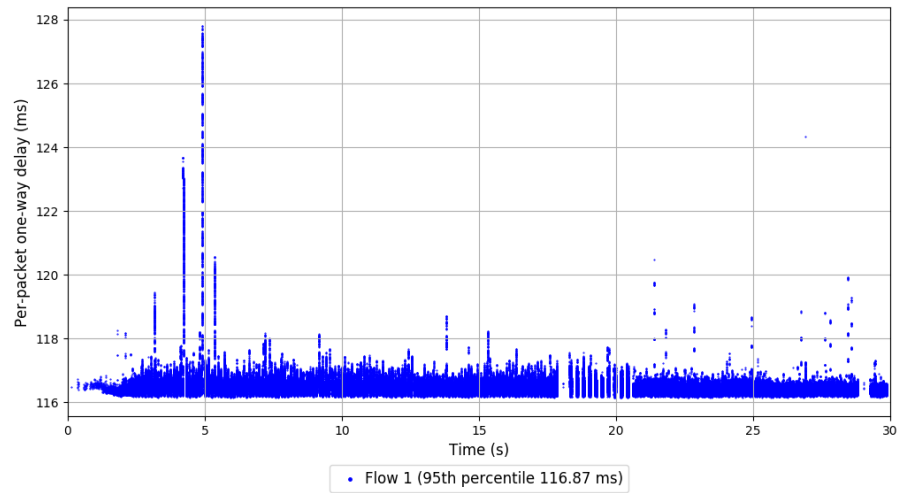
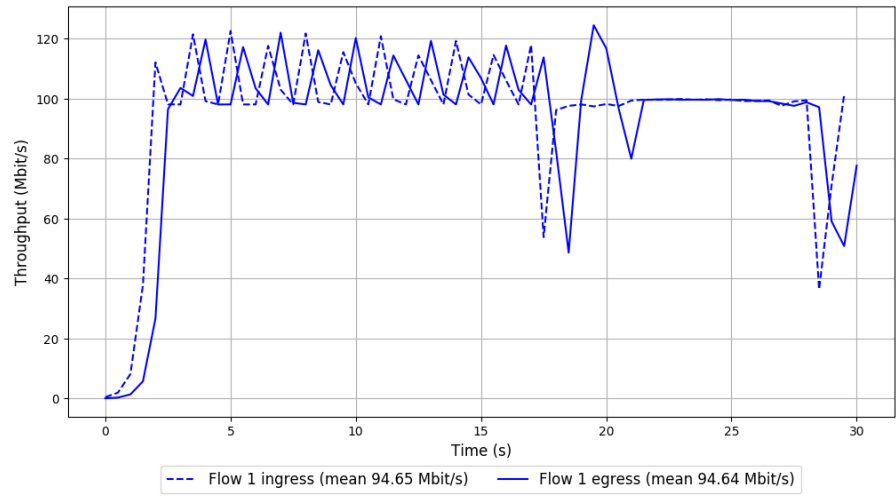


Run 9: Statistics of TCP BBR

Start at: 2018-05-22 11:12:00
End at: 2018-05-22 11:12:30
Local clock offset: 0.188 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-05-22 11:48:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.64 Mbit/s
95th percentile per-packet one-way delay: 116.866 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 94.64 Mbit/s
95th percentile per-packet one-way delay: 116.866 ms
Loss rate: 0.78%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-05-22 11:32:45

End at: 2018-05-22 11:33:15

Local clock offset: 0.181 ms

Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-05-22 11:48:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.28 Mbit/s

95th percentile per-packet one-way delay: 116.470 ms

Loss rate: 0.75%

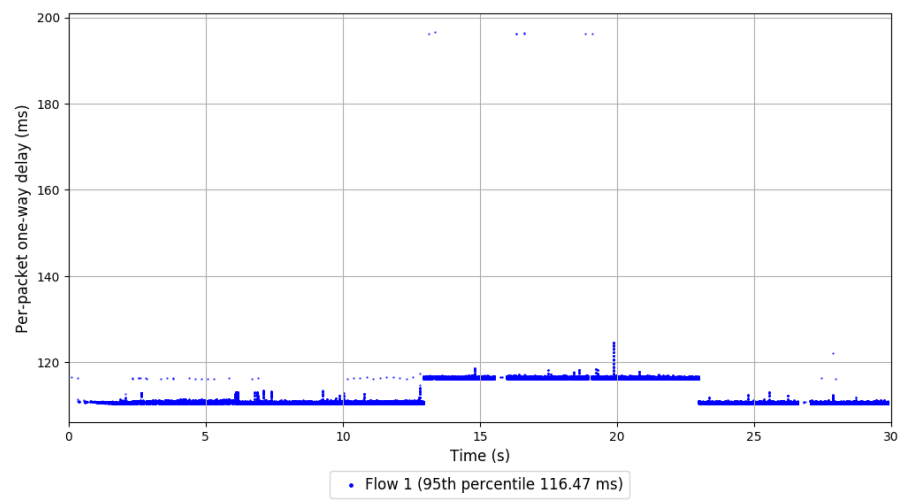
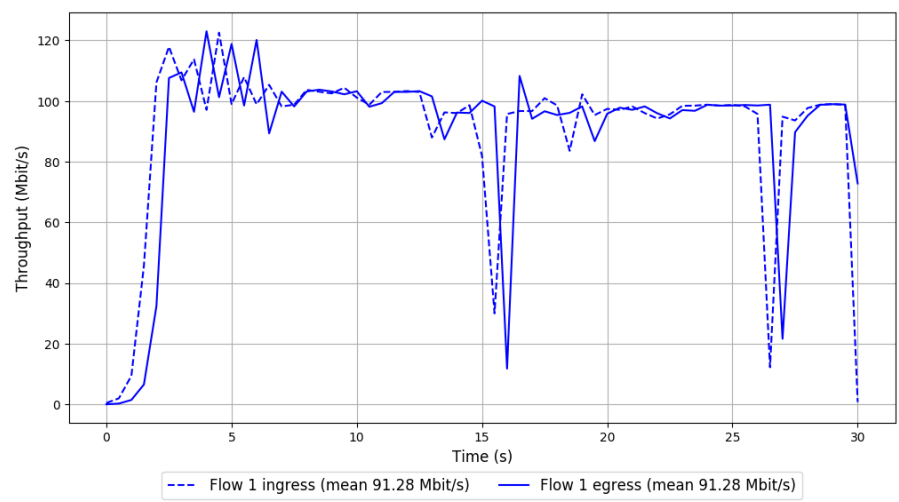
-- Flow 1:

Average throughput: 91.28 Mbit/s

95th percentile per-packet one-way delay: 116.470 ms

Loss rate: 0.75%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-05-22 08:15:00

End at: 2018-05-22 08:15:30

Local clock offset: -0.33 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-05-22 11:49:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.35 Mbit/s

95th percentile per-packet one-way delay: 116.765 ms

Loss rate: 0.59%

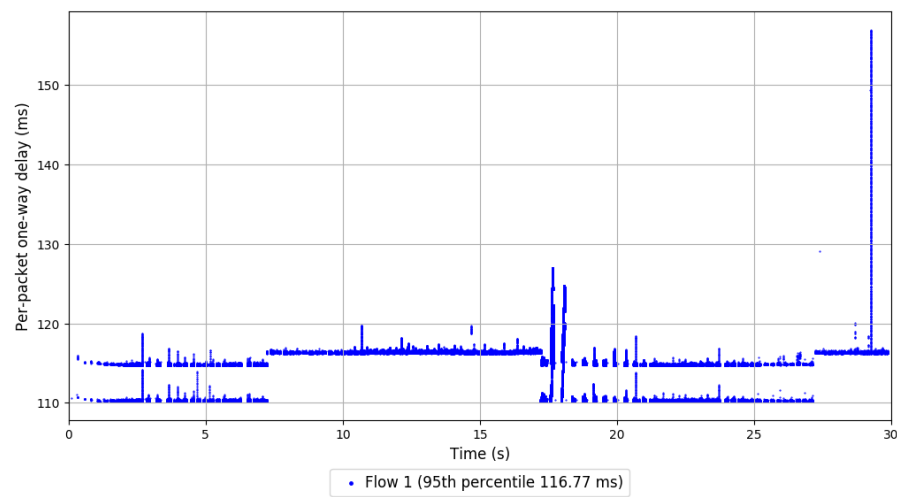
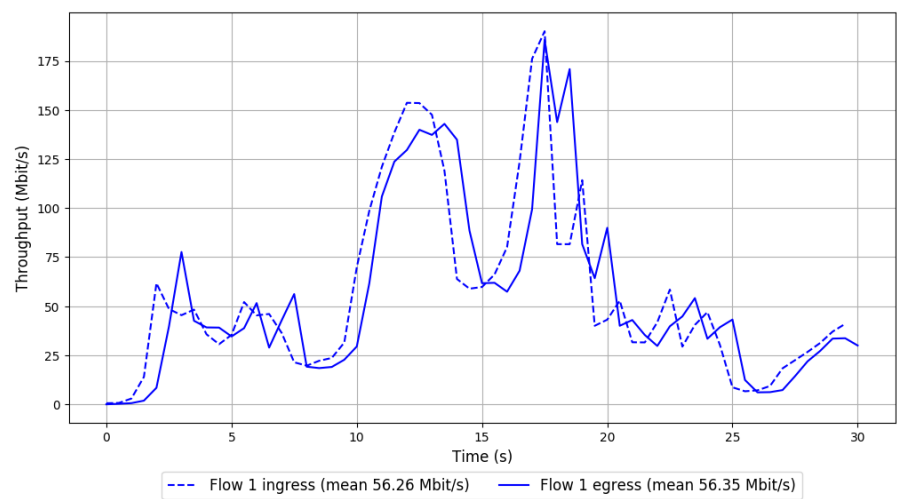
-- Flow 1:

Average throughput: 56.35 Mbit/s

95th percentile per-packet one-way delay: 116.765 ms

Loss rate: 0.59%

Run 1: Report of Copa — Data Link

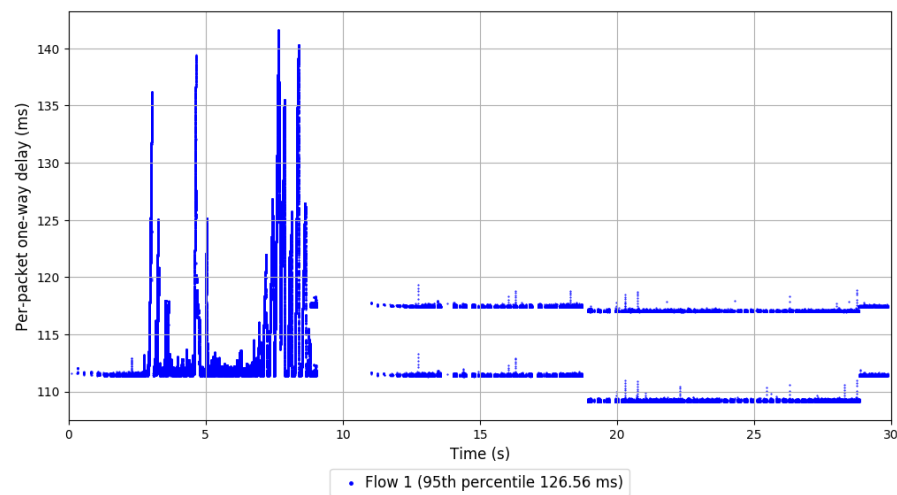
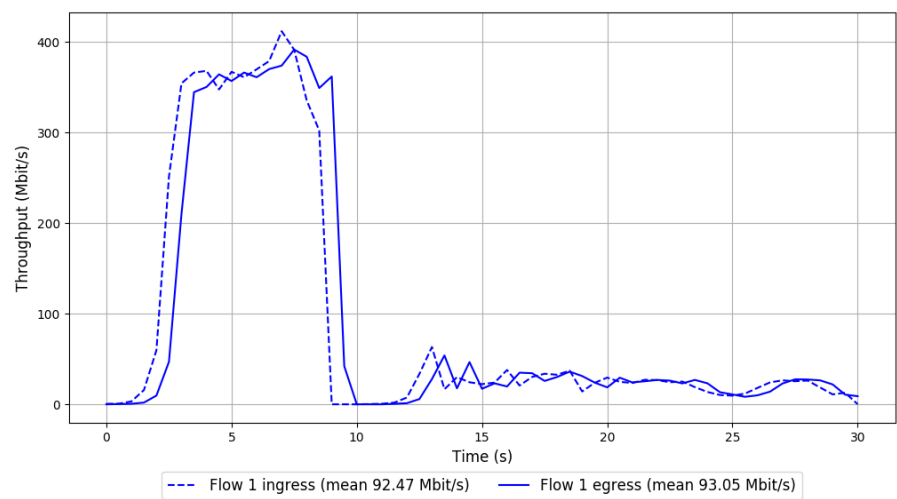


Run 2: Statistics of Copa

Start at: 2018-05-22 08:35:29
End at: 2018-05-22 08:35:59
Local clock offset: 0.074 ms
Remote clock offset: -0.363 ms

Below is generated by plot.py at 2018-05-22 11:50:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.05 Mbit/s
95th percentile per-packet one-way delay: 126.562 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 93.05 Mbit/s
95th percentile per-packet one-way delay: 126.562 ms
Loss rate: 0.11%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-05-22 08:56:11

End at: 2018-05-22 08:56:41

Local clock offset: -0.134 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-05-22 11:52:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 152.12 Mbit/s

95th percentile per-packet one-way delay: 124.812 ms

Loss rate: 0.36%

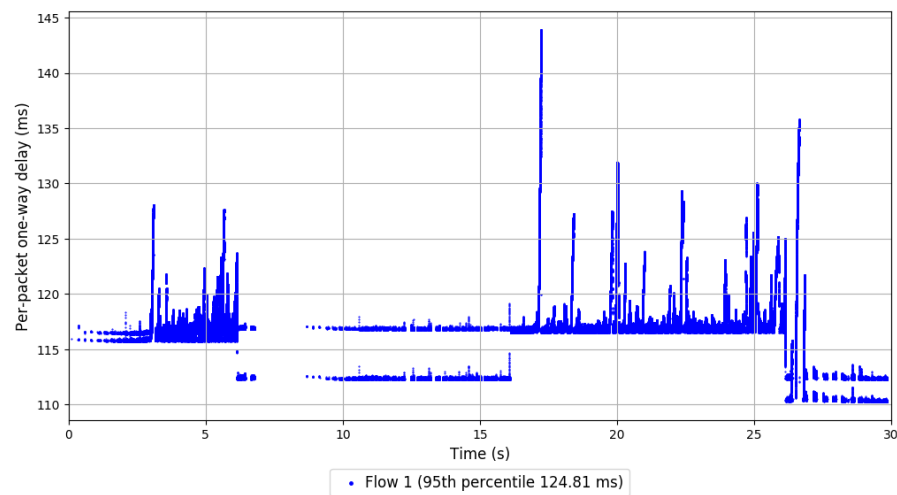
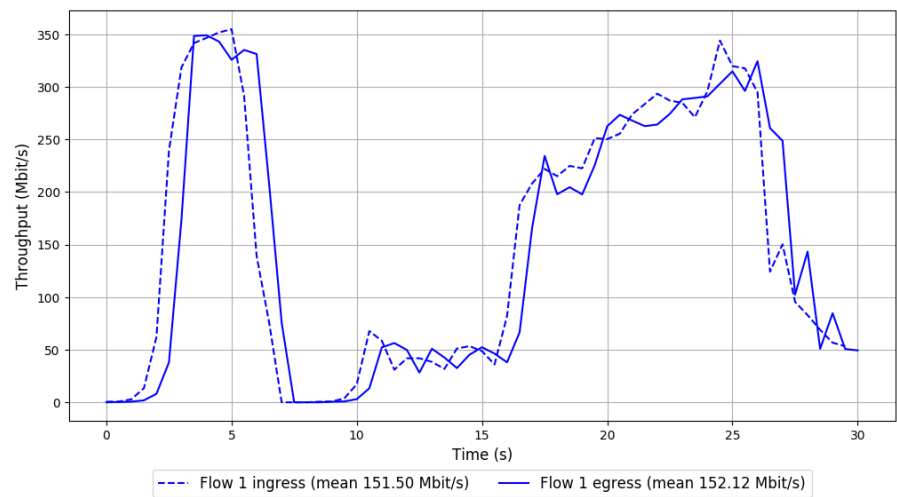
-- Flow 1:

Average throughput: 152.12 Mbit/s

95th percentile per-packet one-way delay: 124.812 ms

Loss rate: 0.36%

Run 3: Report of Copa — Data Link

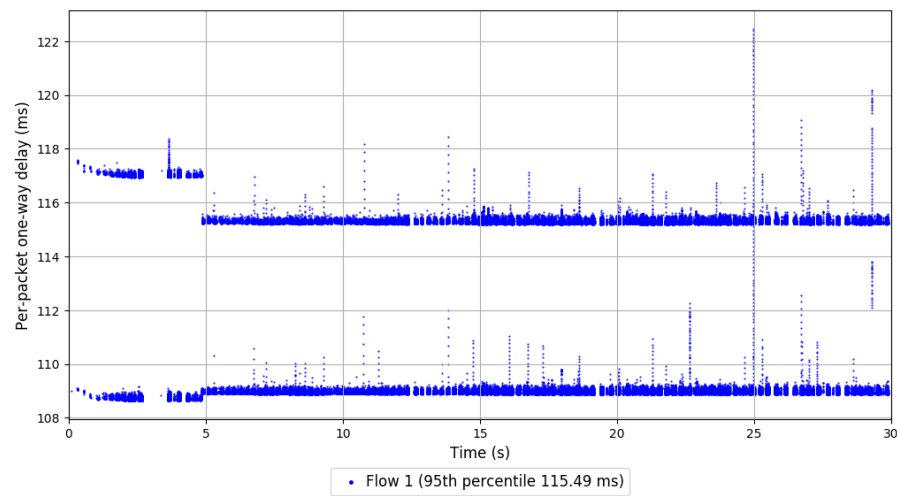
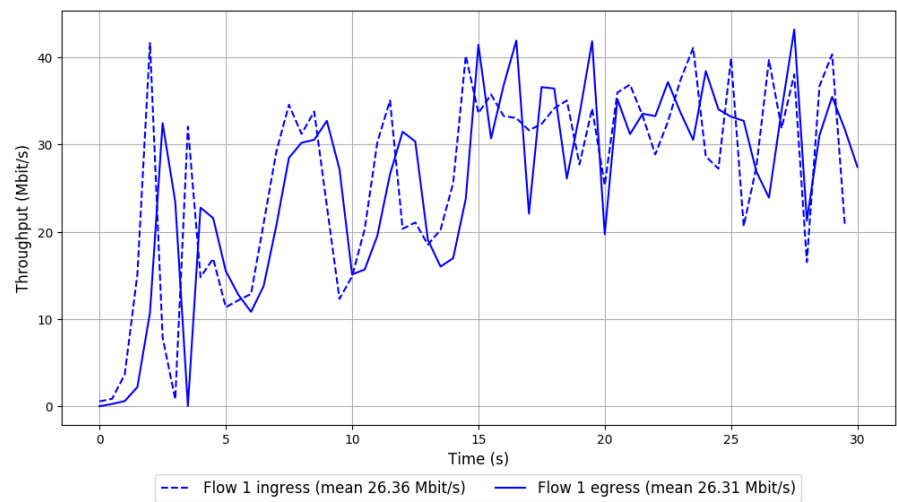


Run 4: Statistics of Copa

Start at: 2018-05-22 09:17:13
End at: 2018-05-22 09:17:43
Local clock offset: 0.087 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-05-22 11:52:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 26.31 Mbit/s
95th percentile per-packet one-way delay: 115.486 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 26.31 Mbit/s
95th percentile per-packet one-way delay: 115.486 ms
Loss rate: 0.38%

Run 4: Report of Copa — Data Link

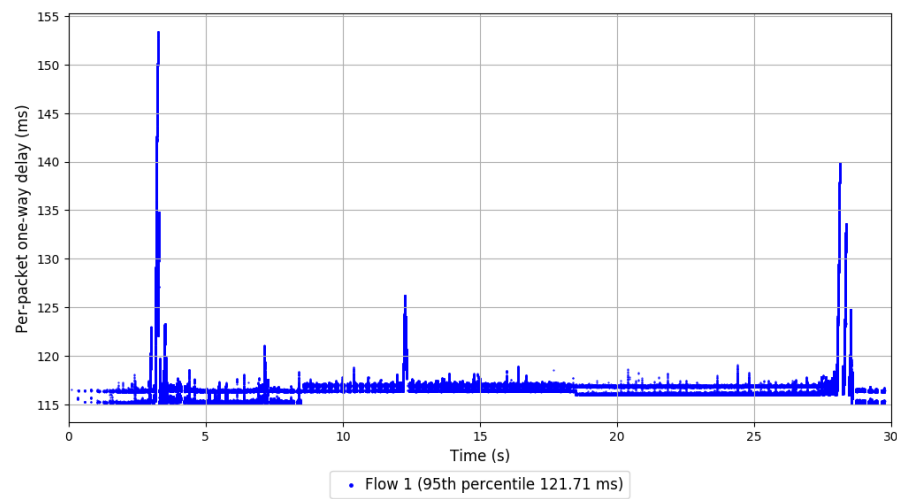
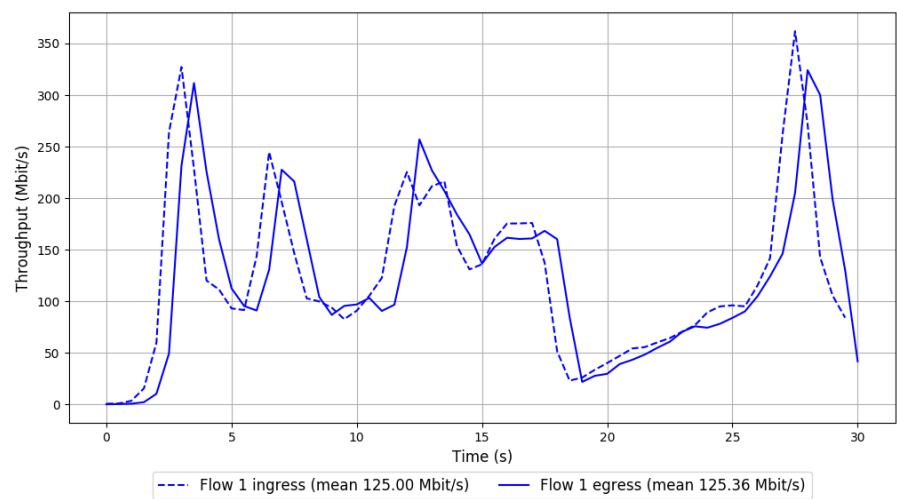


Run 5: Statistics of Copa

Start at: 2018-05-22 09:37:29
End at: 2018-05-22 09:37:59
Local clock offset: -0.004 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-05-22 11:52:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 125.36 Mbit/s
95th percentile per-packet one-way delay: 121.709 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 125.36 Mbit/s
95th percentile per-packet one-way delay: 121.709 ms
Loss rate: 0.57%

Run 5: Report of Copa — Data Link

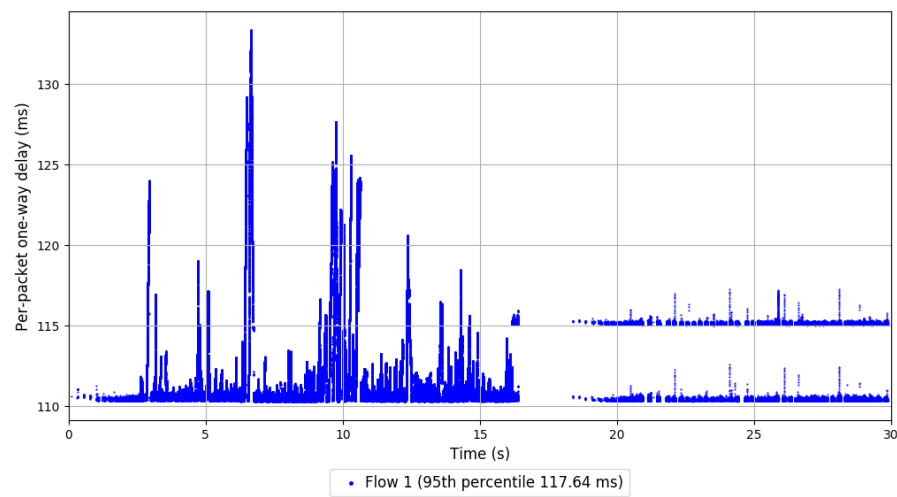
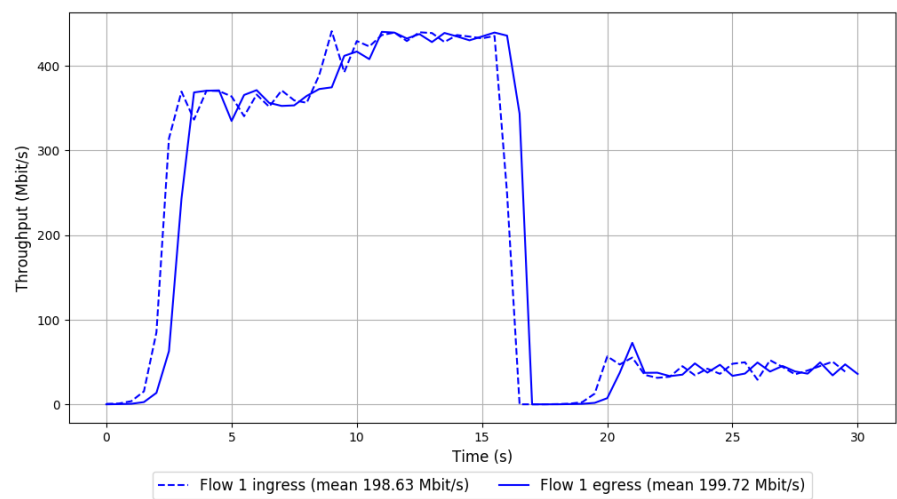


Run 6: Statistics of Copa

Start at: 2018-05-22 09:58:41
End at: 2018-05-22 09:59:11
Local clock offset: -0.15 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-05-22 11:54:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 199.72 Mbit/s
95th percentile per-packet one-way delay: 117.639 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 199.72 Mbit/s
95th percentile per-packet one-way delay: 117.639 ms
Loss rate: 0.19%

Run 6: Report of Copa — Data Link

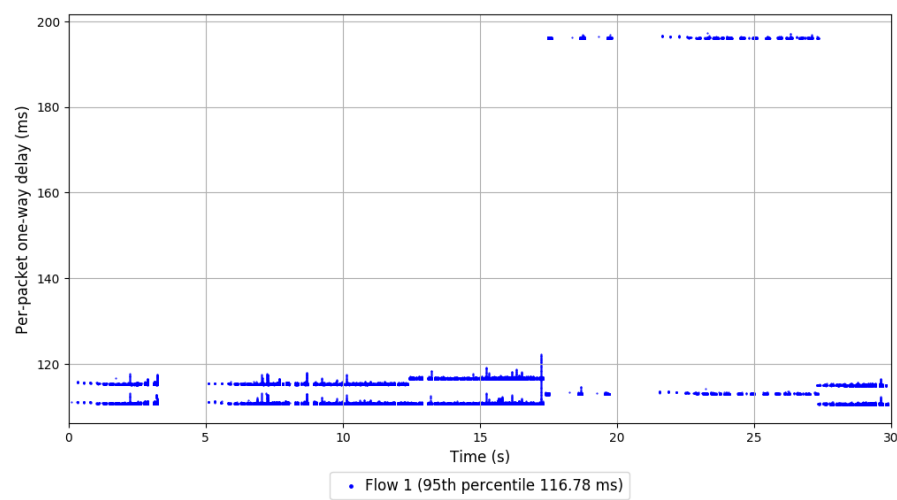
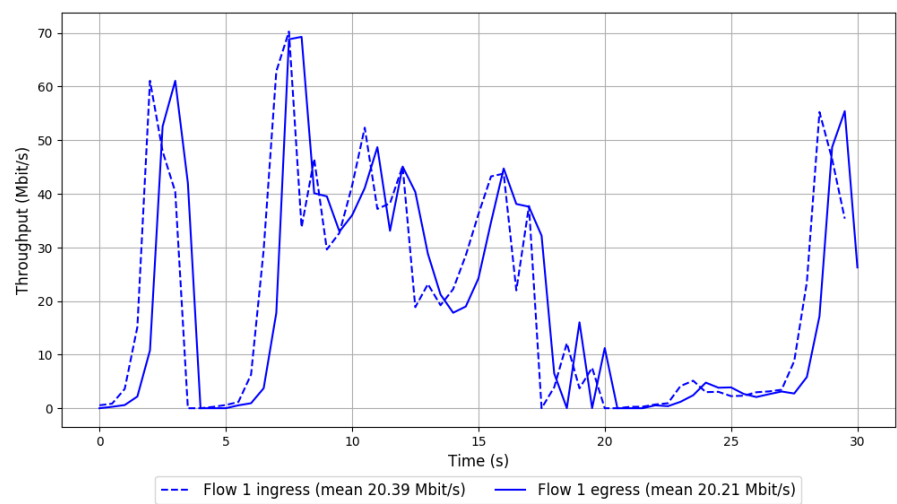


Run 7: Statistics of Copa

Start at: 2018-05-22 10:20:10
End at: 2018-05-22 10:20:40
Local clock offset: 0.024 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-05-22 11:54:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.21 Mbit/s
95th percentile per-packet one-way delay: 116.784 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 20.21 Mbit/s
95th percentile per-packet one-way delay: 116.784 ms
Loss rate: 1.43%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-05-22 10:40:34

End at: 2018-05-22 10:41:04

Local clock offset: 0.261 ms

Remote clock offset: -0.4 ms

Below is generated by plot.py at 2018-05-22 11:54:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.27 Mbit/s

95th percentile per-packet one-way delay: 117.233 ms

Loss rate: 0.95%

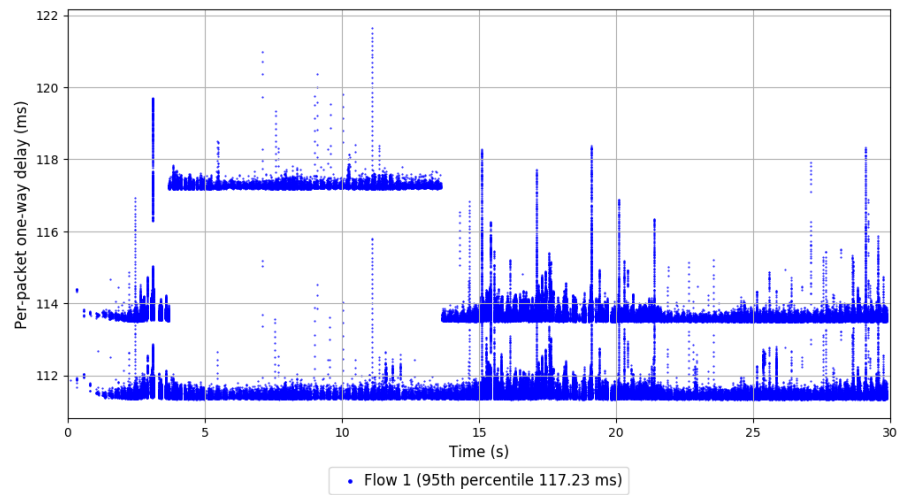
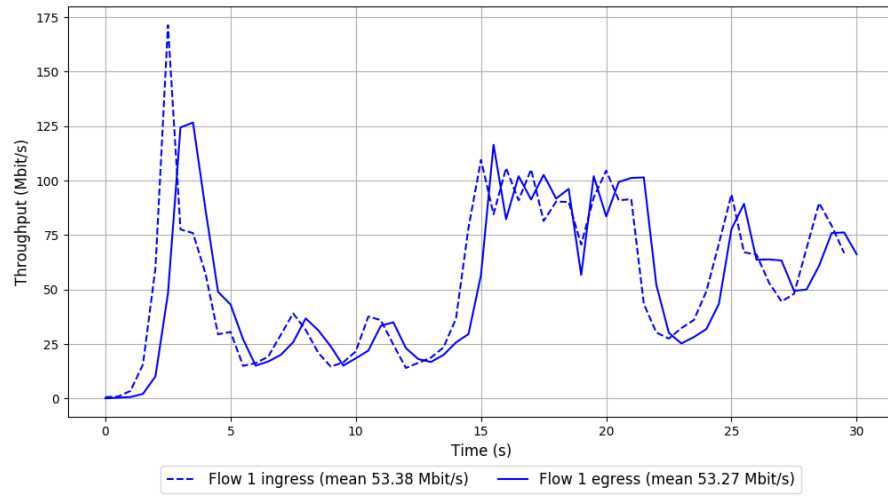
-- Flow 1:

Average throughput: 53.27 Mbit/s

95th percentile per-packet one-way delay: 117.233 ms

Loss rate: 0.95%

Run 8: Report of Copa — Data Link

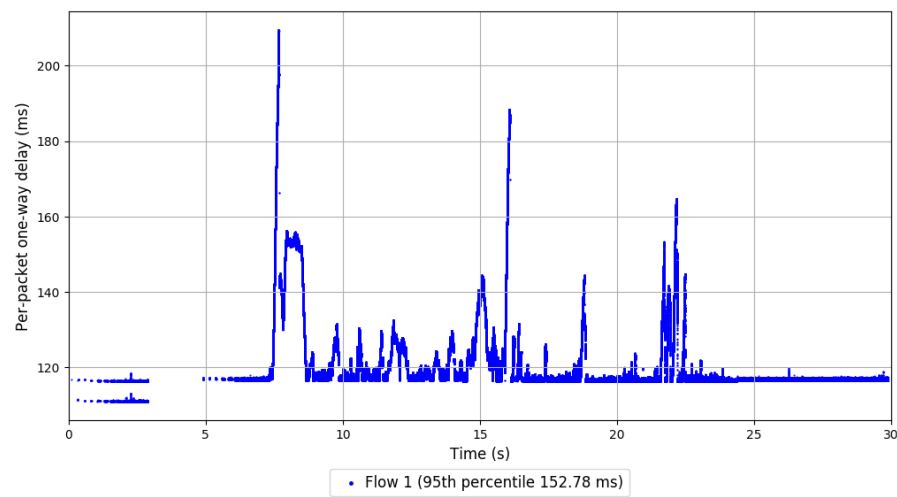
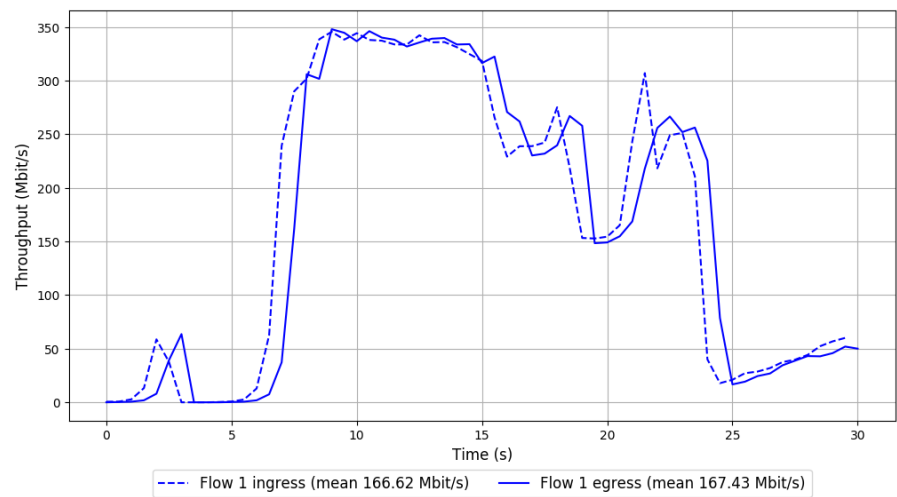


Run 9: Statistics of Copa

Start at: 2018-05-22 11:01:13
End at: 2018-05-22 11:01:43
Local clock offset: 0.207 ms
Remote clock offset: -0.416 ms

Below is generated by plot.py at 2018-05-22 11:55:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 167.43 Mbit/s
95th percentile per-packet one-way delay: 152.775 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 167.43 Mbit/s
95th percentile per-packet one-way delay: 152.775 ms
Loss rate: 0.28%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-05-22 11:22:02

End at: 2018-05-22 11:22:32

Local clock offset: 0.357 ms

Remote clock offset: 0.347 ms

Below is generated by plot.py at 2018-05-22 11:55:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.30 Mbit/s

95th percentile per-packet one-way delay: 116.027 ms

Loss rate: 1.42%

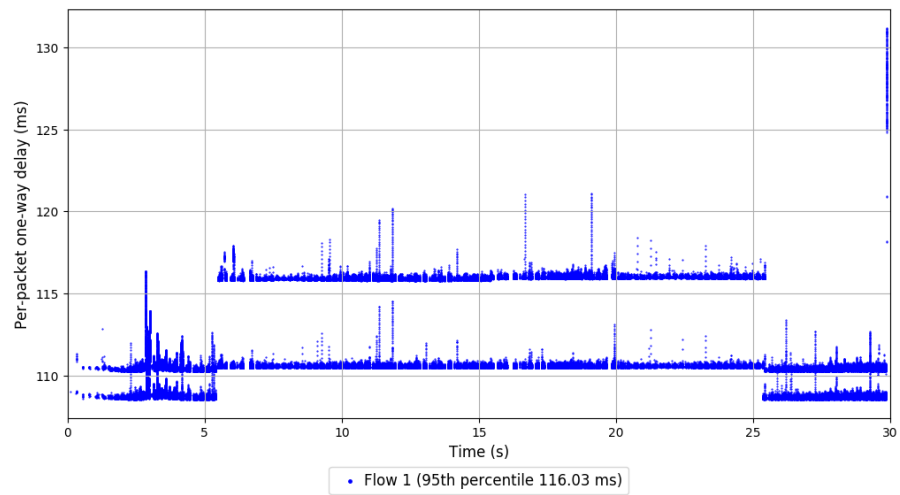
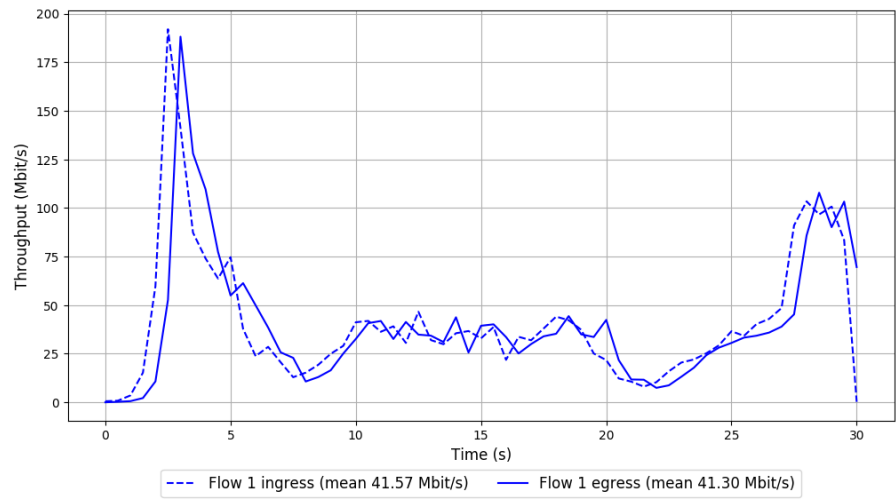
-- Flow 1:

Average throughput: 41.30 Mbit/s

95th percentile per-packet one-way delay: 116.027 ms

Loss rate: 1.42%

Run 10: Report of Copa — Data Link

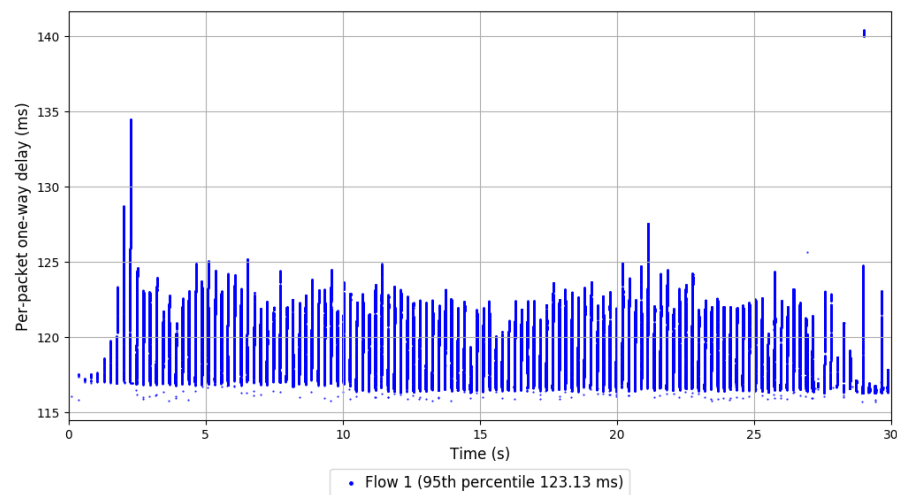
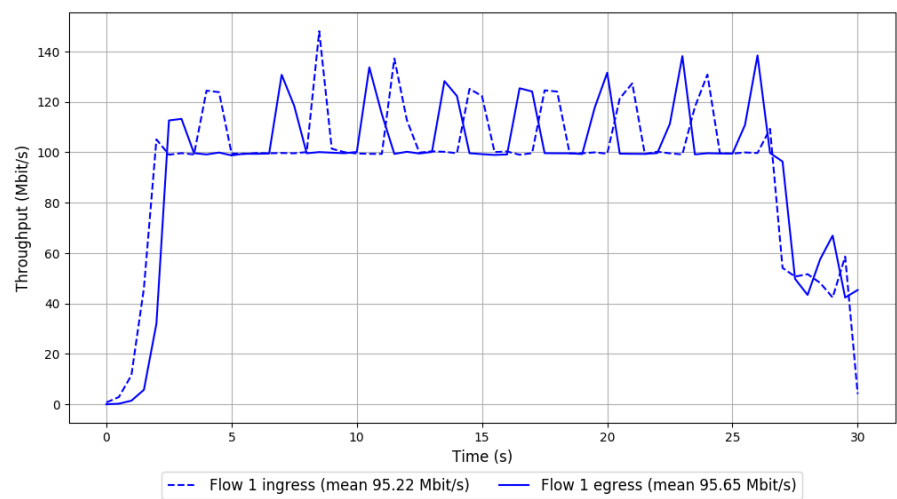


Run 1: Statistics of TCP Cubic

Start at: 2018-05-22 08:33:07
End at: 2018-05-22 08:33:37
Local clock offset: -0.252 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-05-22 11:55:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 123.129 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 123.129 ms
Loss rate: 0.30%

Run 1: Report of TCP Cubic — Data Link

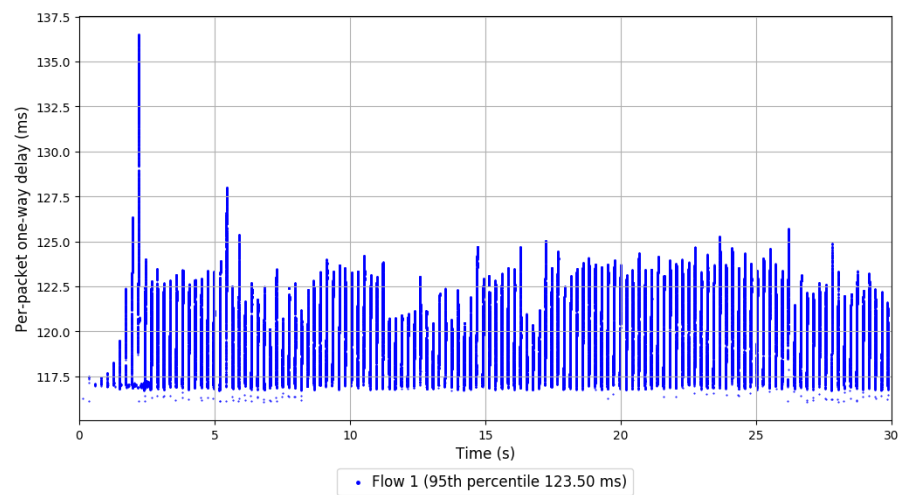
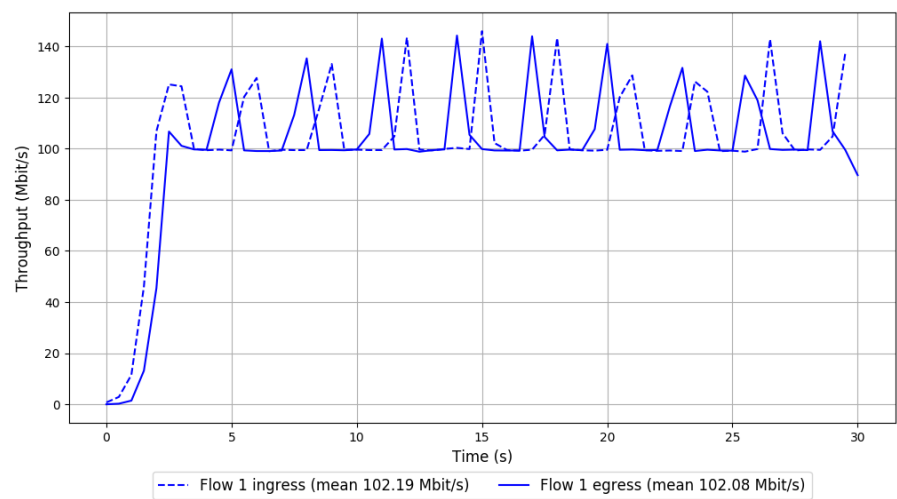


Run 2: Statistics of TCP Cubic

Start at: 2018-05-22 08:53:49
End at: 2018-05-22 08:54:19
Local clock offset: 0.173 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-05-22 11:55:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 102.08 Mbit/s
95th percentile per-packet one-way delay: 123.498 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 102.08 Mbit/s
95th percentile per-packet one-way delay: 123.498 ms
Loss rate: 0.86%

Run 2: Report of TCP Cubic — Data Link

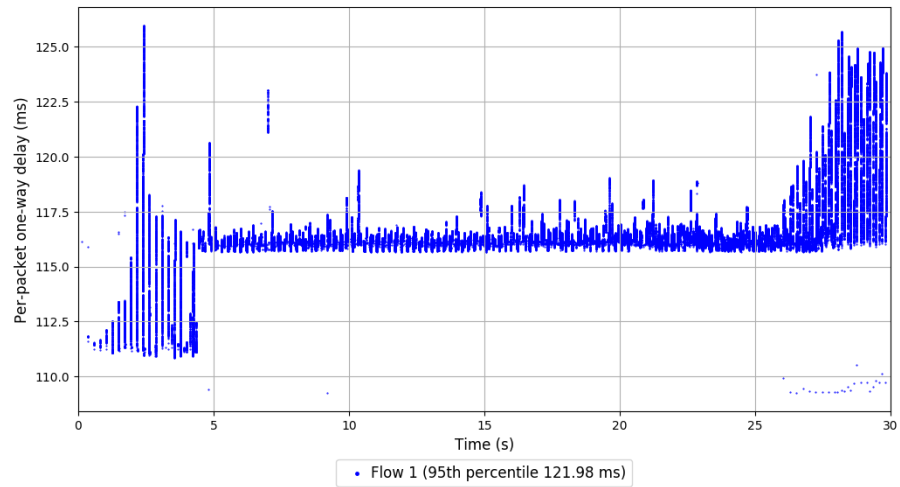
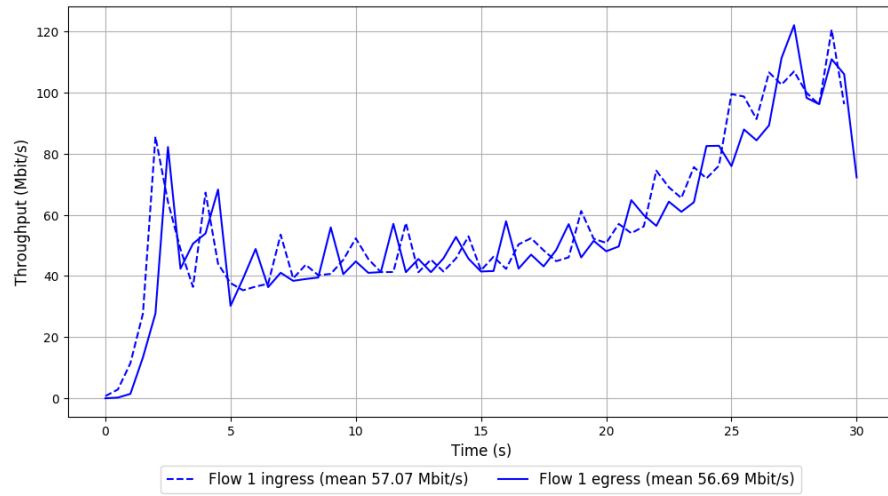


Run 3: Statistics of TCP Cubic

Start at: 2018-05-22 09:14:53
End at: 2018-05-22 09:15:23
Local clock offset: 0.195 ms
Remote clock offset: -0.385 ms

Below is generated by plot.py at 2018-05-22 11:55:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 56.69 Mbit/s
95th percentile per-packet one-way delay: 121.983 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 56.69 Mbit/s
95th percentile per-packet one-way delay: 121.983 ms
Loss rate: 1.41%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-05-22 09:35:05

End at: 2018-05-22 09:35:35

Local clock offset: 0.206 ms

Remote clock offset: 0.324 ms

Below is generated by plot.py at 2018-05-22 11:55:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.72 Mbit/s

95th percentile per-packet one-way delay: 121.705 ms

Loss rate: 1.20%

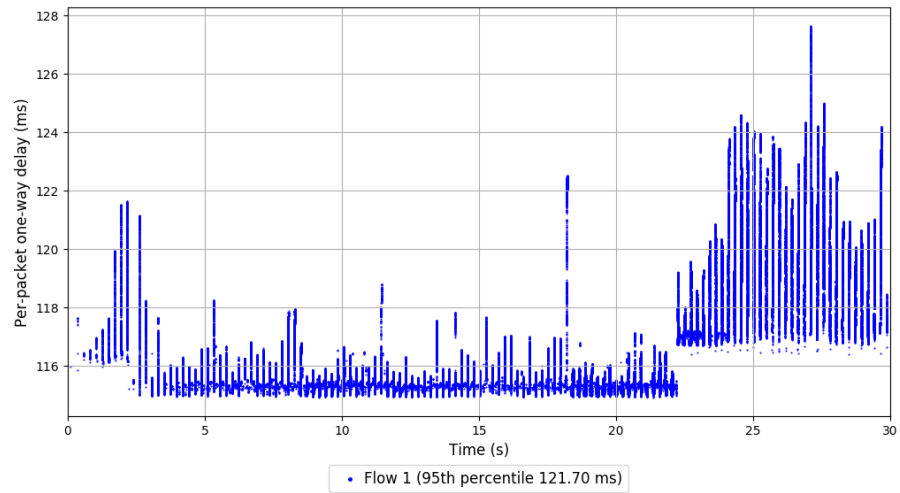
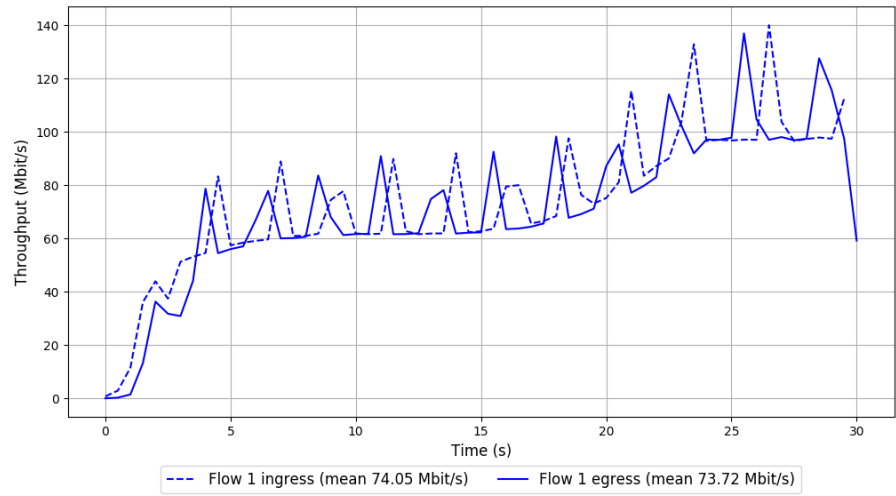
-- Flow 1:

Average throughput: 73.72 Mbit/s

95th percentile per-packet one-way delay: 121.705 ms

Loss rate: 1.20%

Run 4: Report of TCP Cubic — Data Link

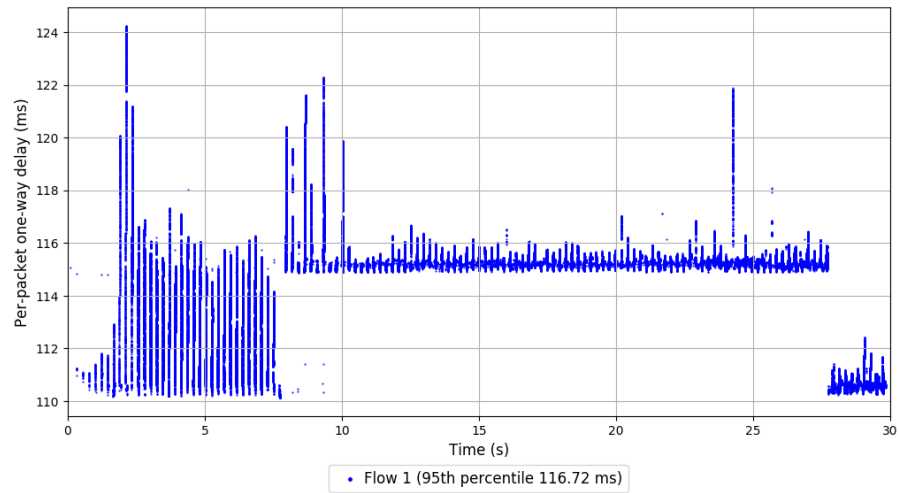
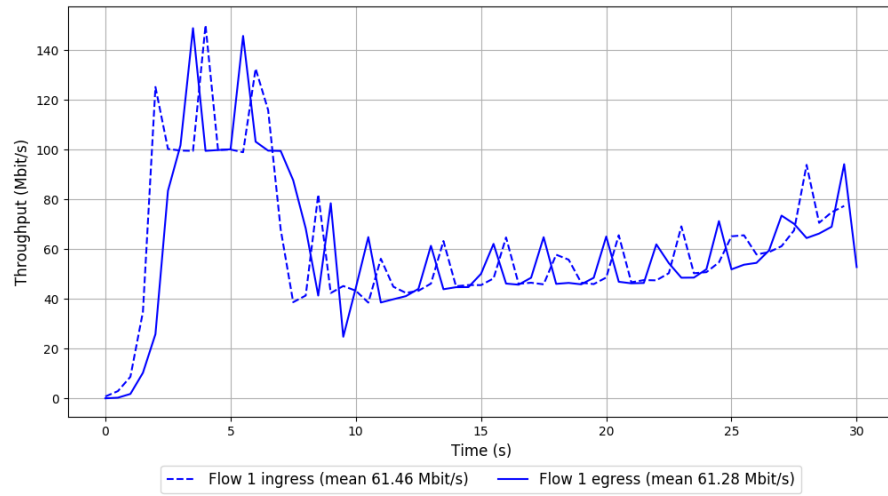


Run 5: Statistics of TCP Cubic

Start at: 2018-05-22 09:56:20
End at: 2018-05-22 09:56:50
Local clock offset: -0.288 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-05-22 11:55:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.28 Mbit/s
95th percentile per-packet one-way delay: 116.725 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 61.28 Mbit/s
95th percentile per-packet one-way delay: 116.725 ms
Loss rate: 1.06%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-05-22 10:17:46

End at: 2018-05-22 10:18:16

Local clock offset: 0.161 ms

Remote clock offset: 0.069 ms

Below is generated by plot.py at 2018-05-22 11:55:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 99.59 Mbit/s

95th percentile per-packet one-way delay: 122.563 ms

Loss rate: 0.80%

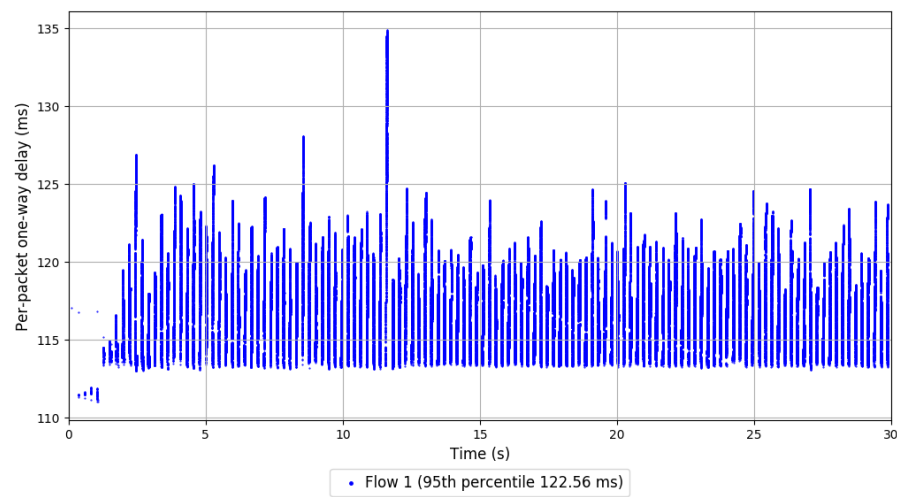
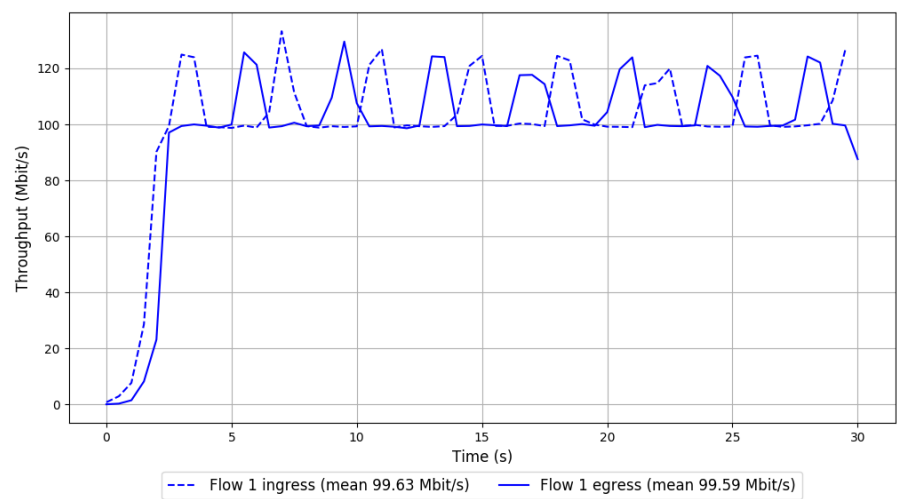
-- Flow 1:

Average throughput: 99.59 Mbit/s

95th percentile per-packet one-way delay: 122.563 ms

Loss rate: 0.80%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-05-22 10:38:11

End at: 2018-05-22 10:38:41

Local clock offset: 0.116 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-05-22 11:55:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.28 Mbit/s

95th percentile per-packet one-way delay: 121.886 ms

Loss rate: 1.21%

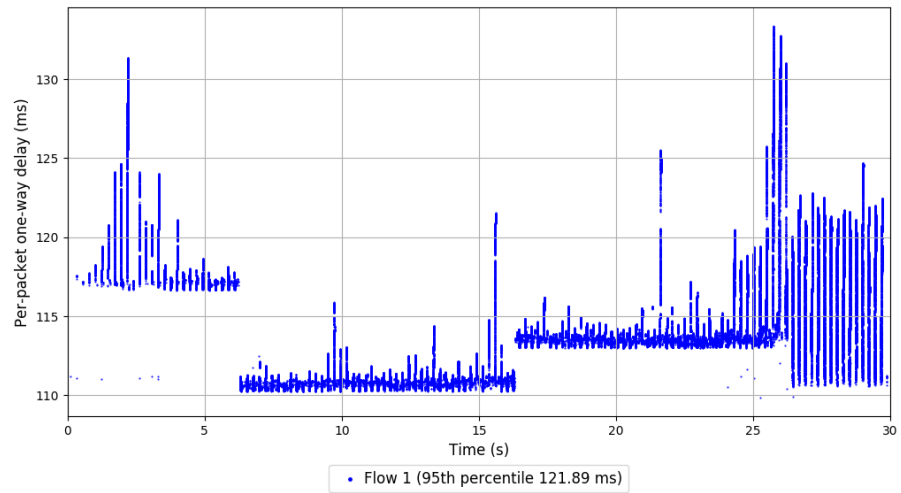
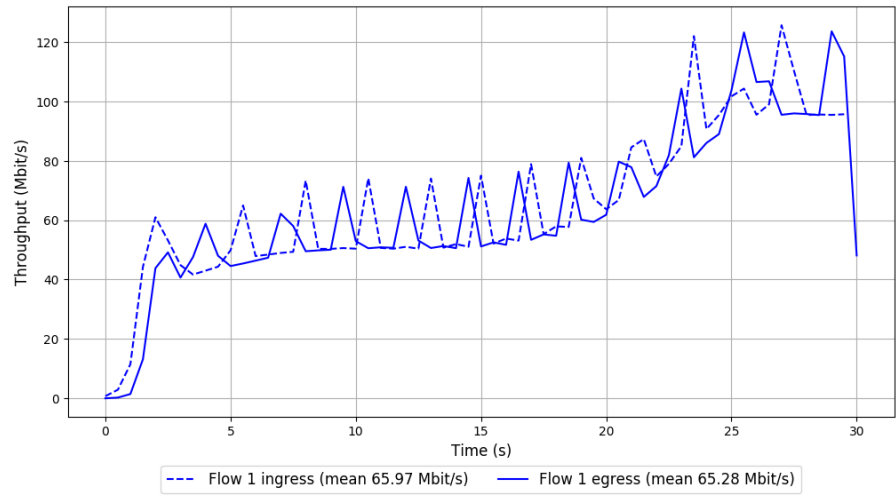
-- Flow 1:

Average throughput: 65.28 Mbit/s

95th percentile per-packet one-way delay: 121.886 ms

Loss rate: 1.21%

Run 7: Report of TCP Cubic — Data Link

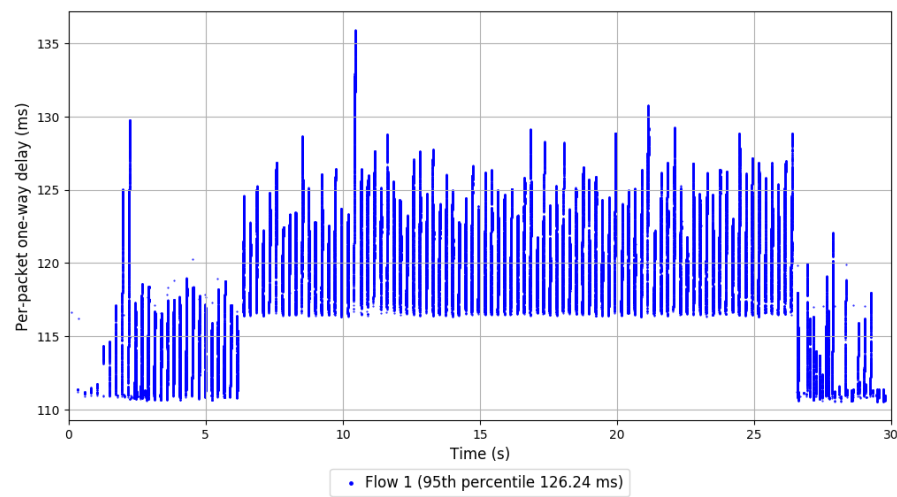
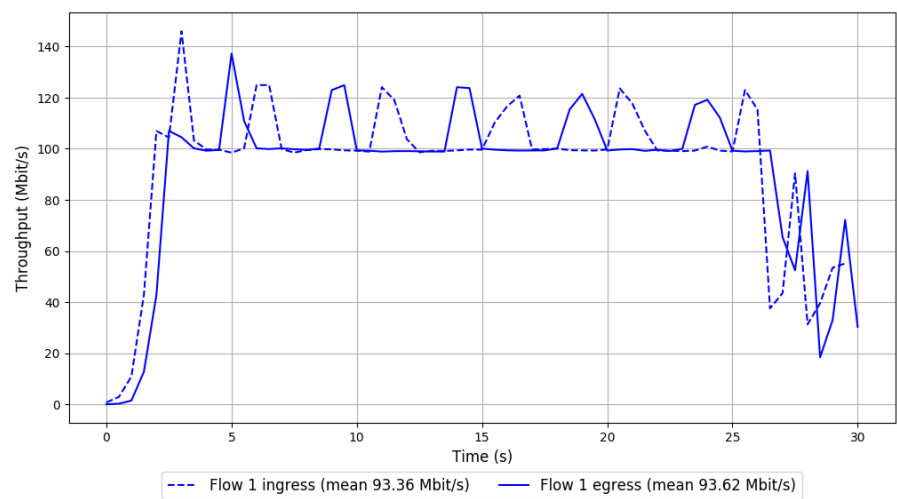


Run 8: Statistics of TCP Cubic

Start at: 2018-05-22 10:58:51
End at: 2018-05-22 10:59:21
Local clock offset: 0.244 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-05-22 11:55:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.62 Mbit/s
95th percentile per-packet one-way delay: 126.241 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 93.62 Mbit/s
95th percentile per-packet one-way delay: 126.241 ms
Loss rate: 0.50%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-05-22 11:19:40

End at: 2018-05-22 11:20:10

Local clock offset: 0.407 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-05-22 11:55:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 100.42 Mbit/s

95th percentile per-packet one-way delay: 125.069 ms

Loss rate: 0.82%

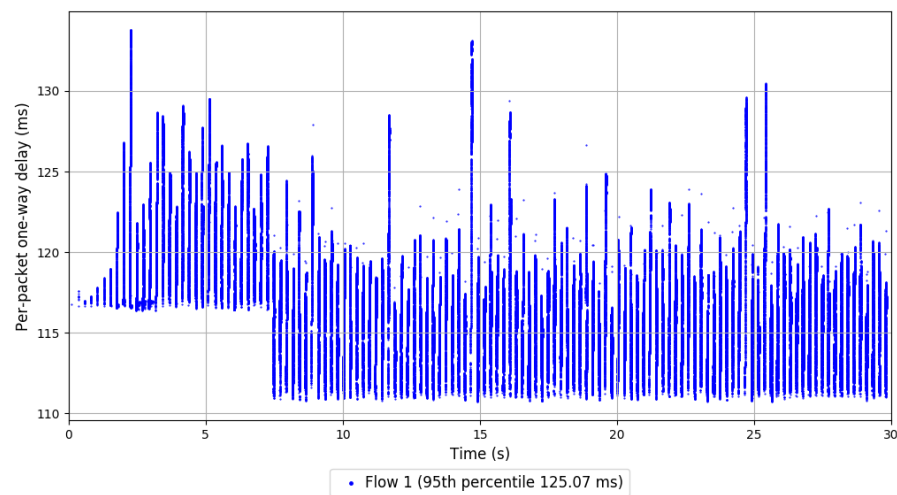
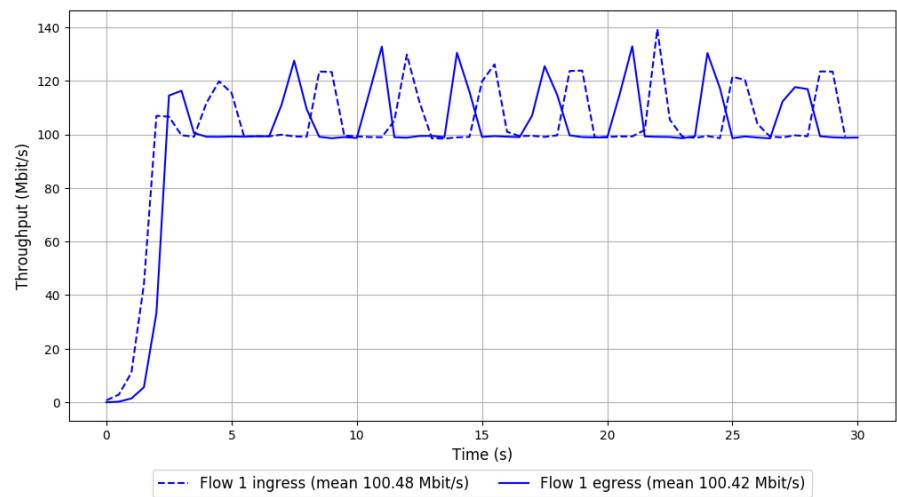
-- Flow 1:

Average throughput: 100.42 Mbit/s

95th percentile per-packet one-way delay: 125.069 ms

Loss rate: 0.82%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-05-22 11:40:16

End at: 2018-05-22 11:40:46

Local clock offset: -0.257 ms

Remote clock offset: 0.349 ms

Below is generated by plot.py at 2018-05-22 11:55:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.07 Mbit/s

95th percentile per-packet one-way delay: 120.077 ms

Loss rate: 0.94%

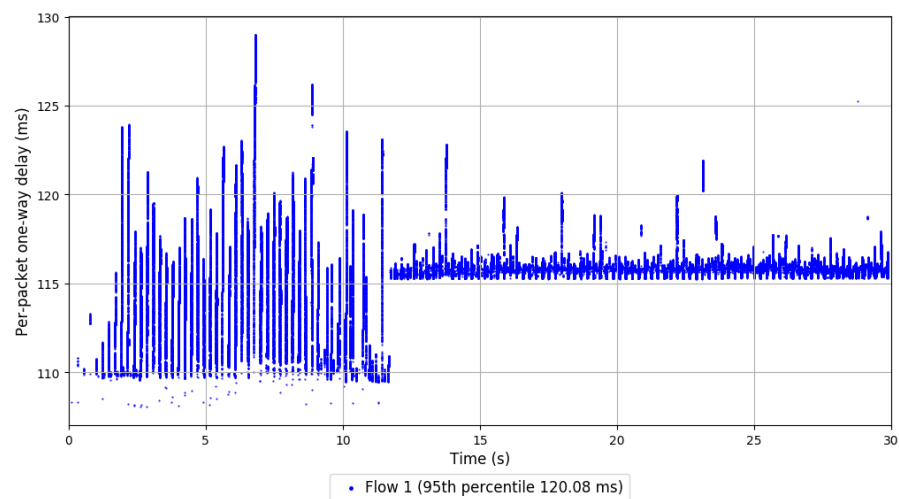
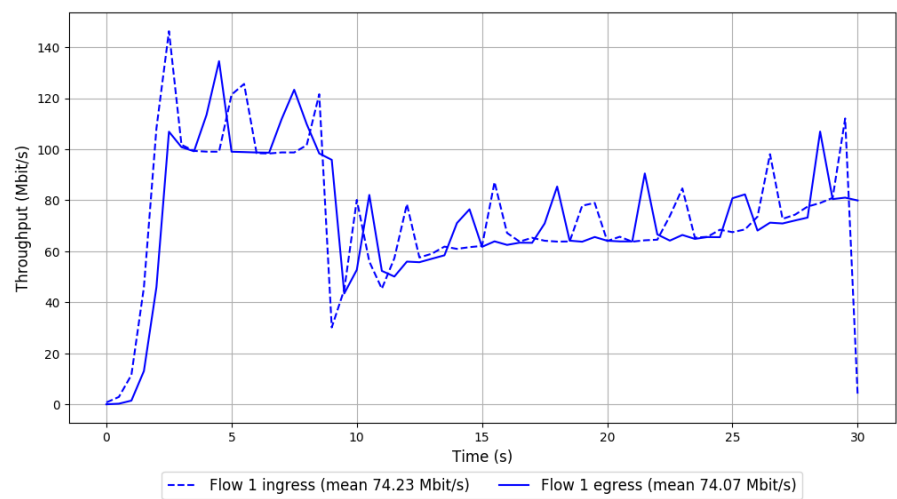
-- Flow 1:

Average throughput: 74.07 Mbit/s

95th percentile per-packet one-way delay: 120.077 ms

Loss rate: 0.94%

Run 10: Report of TCP Cubic — Data Link

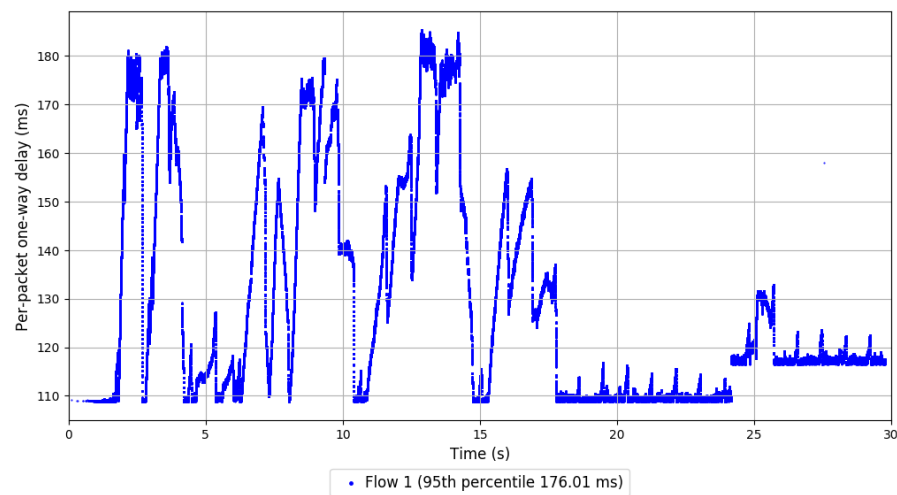
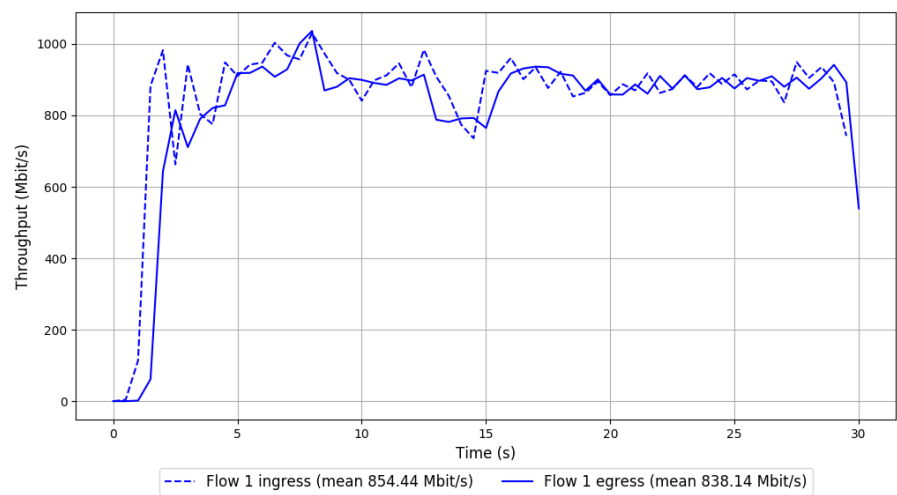


Run 1: Statistics of FillP

Start at: 2018-05-22 08:21:23
End at: 2018-05-22 08:21:53
Local clock offset: -0.119 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-05-22 12:12:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 838.14 Mbit/s
95th percentile per-packet one-way delay: 176.015 ms
Loss rate: 2.63%
-- Flow 1:
Average throughput: 838.14 Mbit/s
95th percentile per-packet one-way delay: 176.015 ms
Loss rate: 2.63%

Run 1: Report of FillP — Data Link

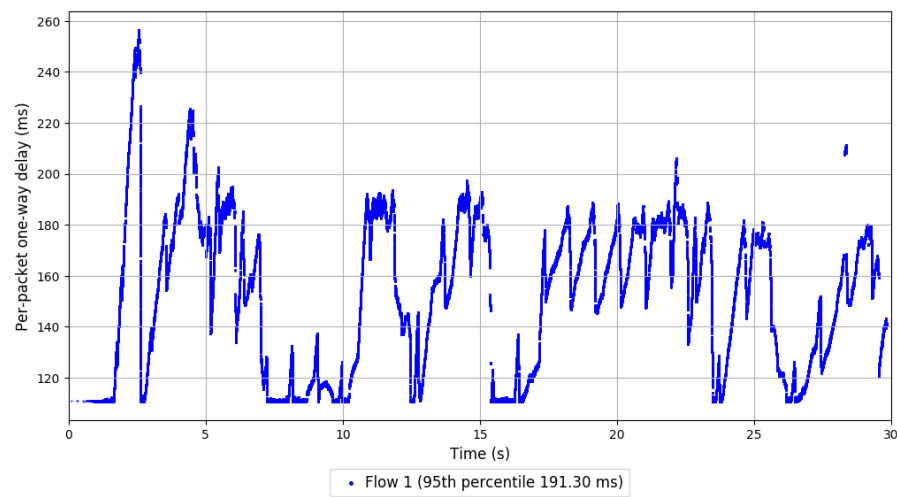
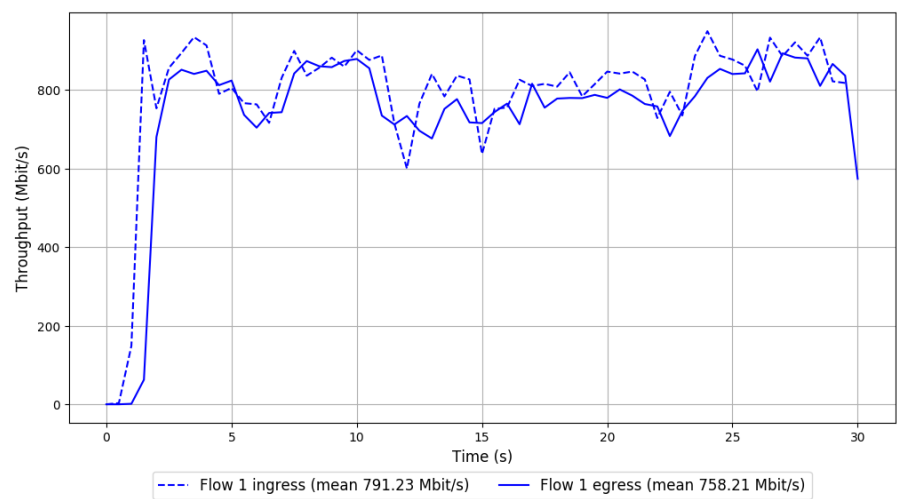


Run 2: Statistics of FillP

Start at: 2018-05-22 08:42:03
End at: 2018-05-22 08:42:33
Local clock offset: -0.303 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-05-22 12:12:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 758.21 Mbit/s
95th percentile per-packet one-way delay: 191.301 ms
Loss rate: 4.88%
-- Flow 1:
Average throughput: 758.21 Mbit/s
95th percentile per-packet one-way delay: 191.301 ms
Loss rate: 4.88%

Run 2: Report of FillP — Data Link

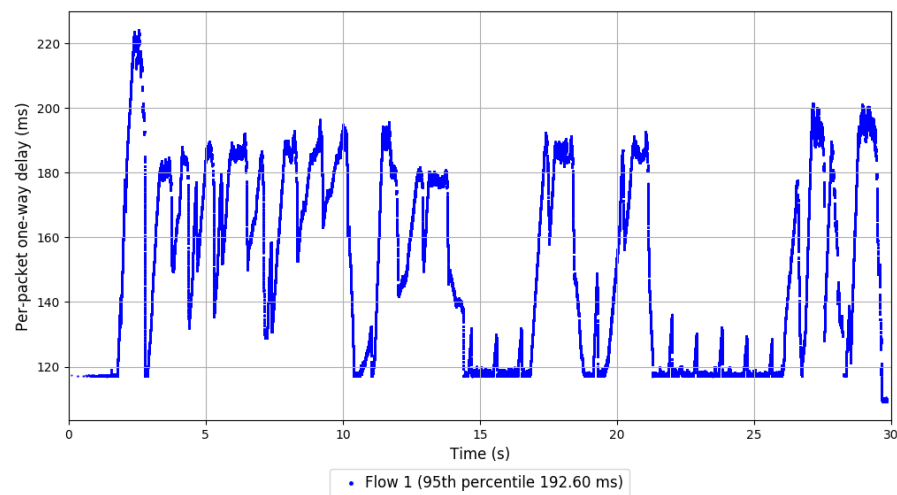
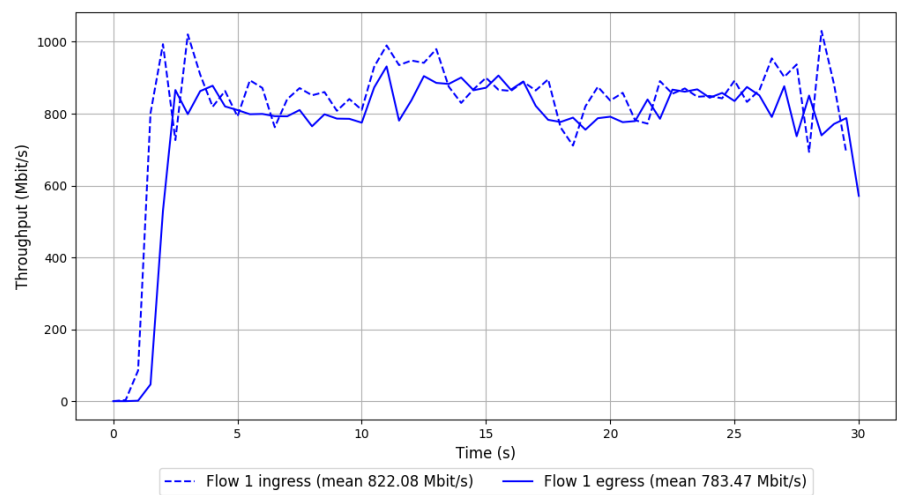


Run 3: Statistics of FillP

Start at: 2018-05-22 09:02:48
End at: 2018-05-22 09:03:18
Local clock offset: 0.181 ms
Remote clock offset: -0.396 ms

Below is generated by plot.py at 2018-05-22 12:12:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 783.47 Mbit/s
95th percentile per-packet one-way delay: 192.600 ms
Loss rate: 5.42%
-- Flow 1:
Average throughput: 783.47 Mbit/s
95th percentile per-packet one-way delay: 192.600 ms
Loss rate: 5.42%

Run 3: Report of FillP — Data Link

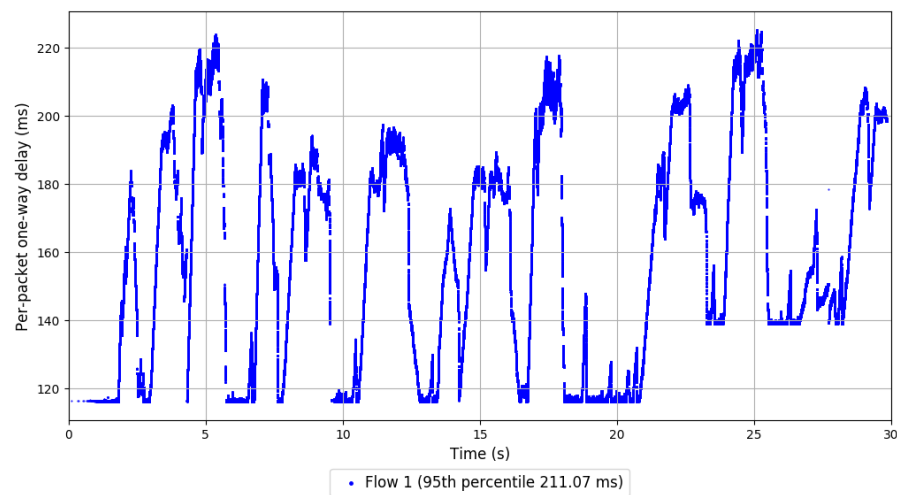
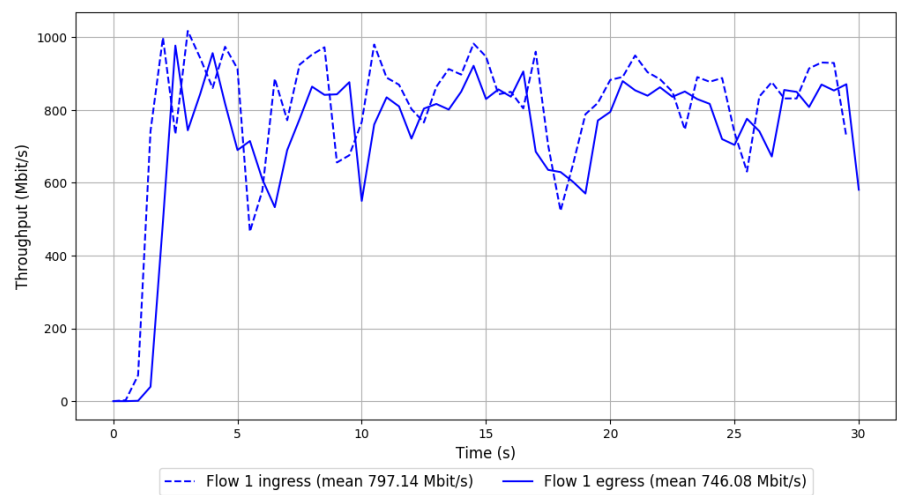


Run 4: Statistics of FillP

Start at: 2018-05-22 09:23:26
End at: 2018-05-22 09:23:56
Local clock offset: 0.319 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-05-22 12:12:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 746.08 Mbit/s
95th percentile per-packet one-way delay: 211.070 ms
Loss rate: 7.12%
-- Flow 1:
Average throughput: 746.08 Mbit/s
95th percentile per-packet one-way delay: 211.070 ms
Loss rate: 7.12%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-05-22 09:44:01

End at: 2018-05-22 09:44:31

Local clock offset: 0.148 ms

Remote clock offset: 0.346 ms

Below is generated by plot.py at 2018-05-22 12:13:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 824.32 Mbit/s

95th percentile per-packet one-way delay: 252.525 ms

Loss rate: 3.10%

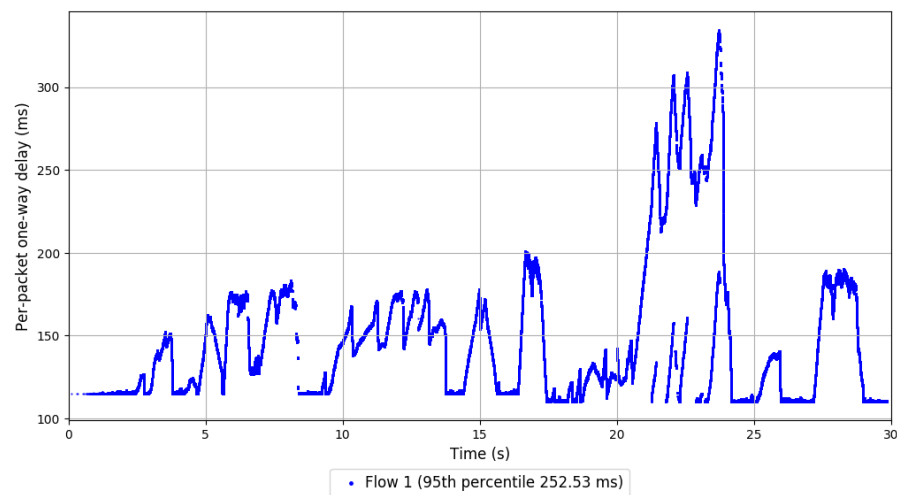
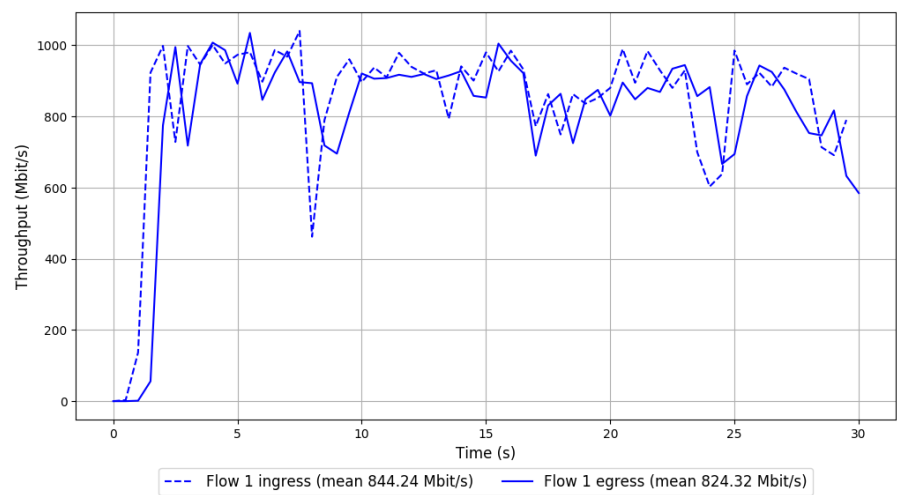
-- Flow 1:

Average throughput: 824.32 Mbit/s

95th percentile per-packet one-way delay: 252.525 ms

Loss rate: 3.10%

Run 5: Report of FillP — Data Link

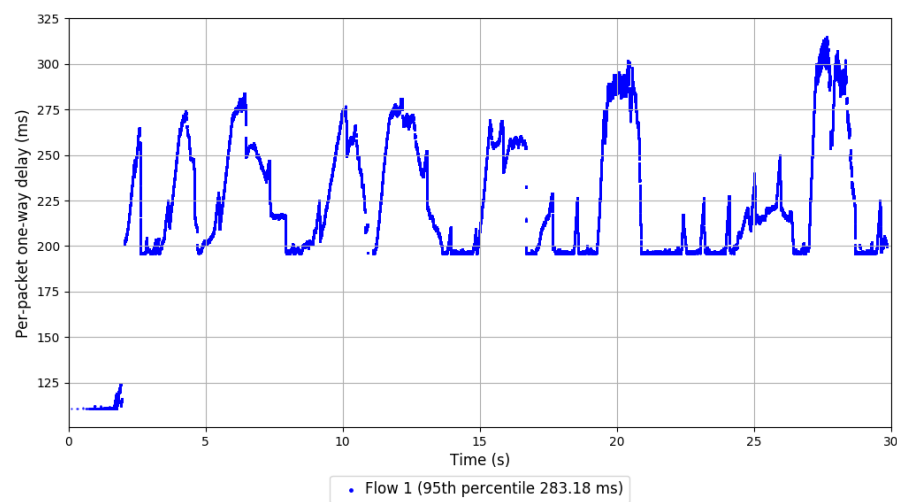
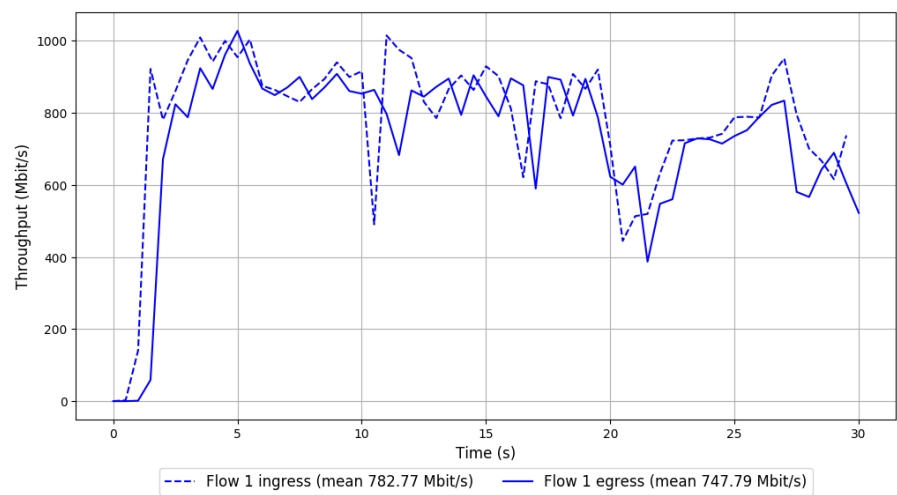


Run 6: Statistics of FillP

Start at: 2018-05-22 10:05:26
End at: 2018-05-22 10:05:56
Local clock offset: 0.009 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-05-22 12:13:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 747.79 Mbit/s
95th percentile per-packet one-way delay: 283.177 ms
Loss rate: 5.20%
-- Flow 1:
Average throughput: 747.79 Mbit/s
95th percentile per-packet one-way delay: 283.177 ms
Loss rate: 5.20%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-05-22 10:26:27

End at: 2018-05-22 10:26:57

Local clock offset: 0.276 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-05-22 12:13:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 656.68 Mbit/s

95th percentile per-packet one-way delay: 276.904 ms

Loss rate: 9.35%

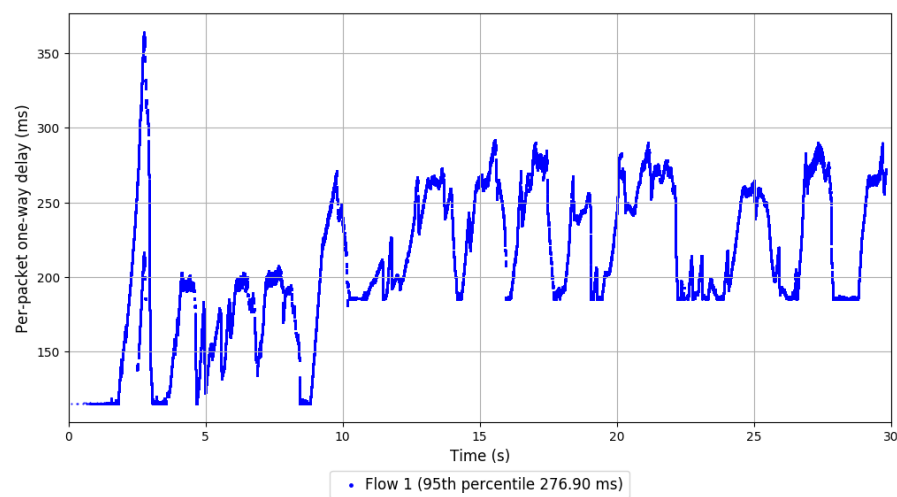
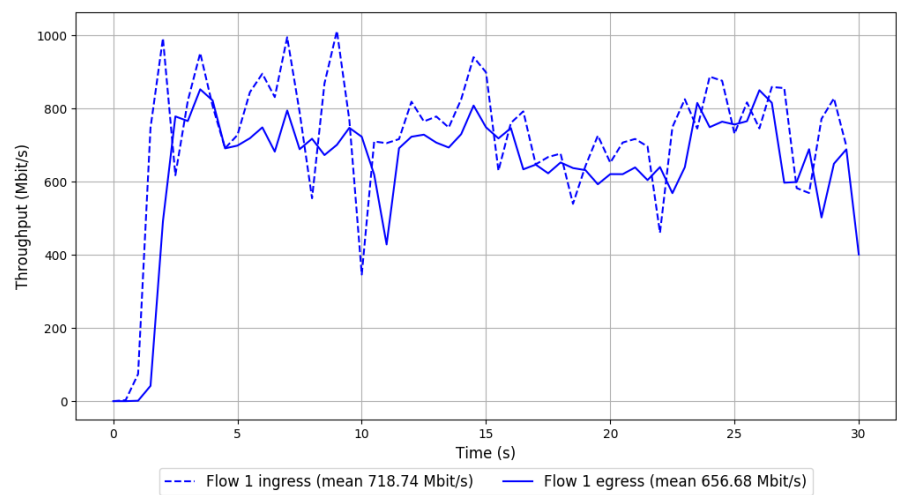
-- Flow 1:

Average throughput: 656.68 Mbit/s

95th percentile per-packet one-way delay: 276.904 ms

Loss rate: 9.35%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-05-22 10:46:59

End at: 2018-05-22 10:47:29

Local clock offset: 0.094 ms

Remote clock offset: 0.289 ms

Below is generated by plot.py at 2018-05-22 12:13:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 734.43 Mbit/s

95th percentile per-packet one-way delay: 222.789 ms

Loss rate: 6.55%

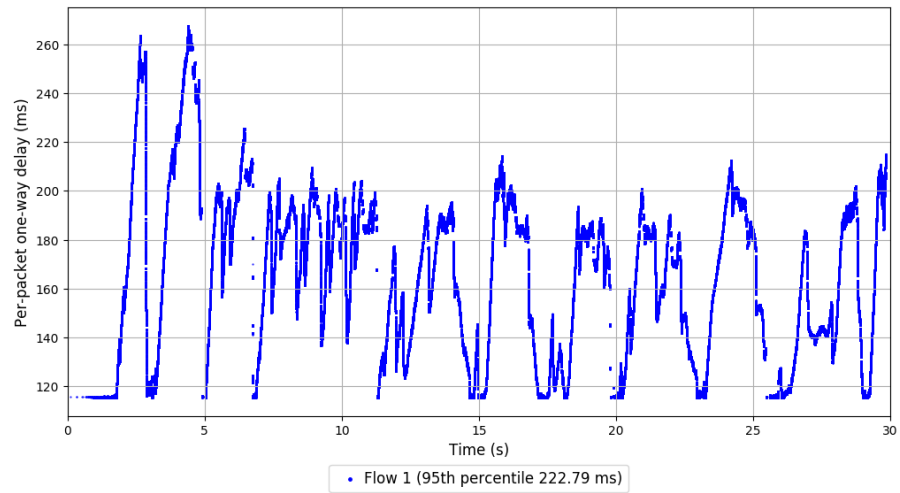
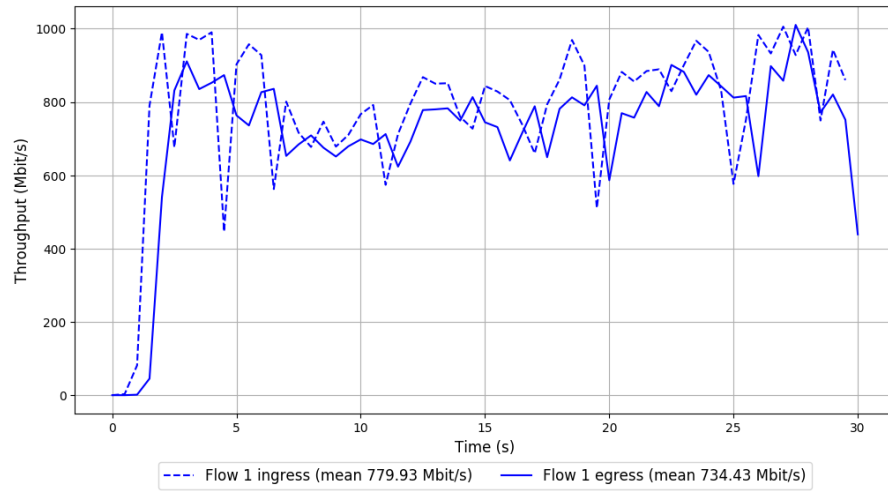
-- Flow 1:

Average throughput: 734.43 Mbit/s

95th percentile per-packet one-way delay: 222.789 ms

Loss rate: 6.55%

Run 8: Report of FillP — Data Link

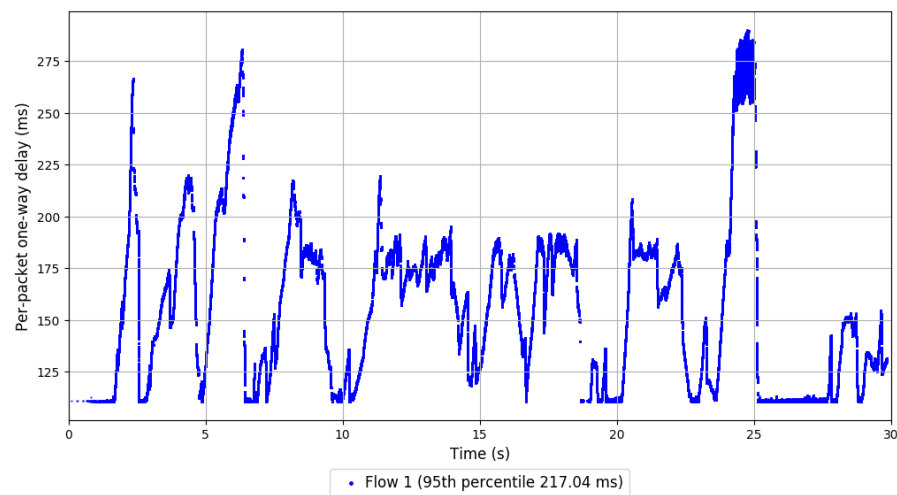
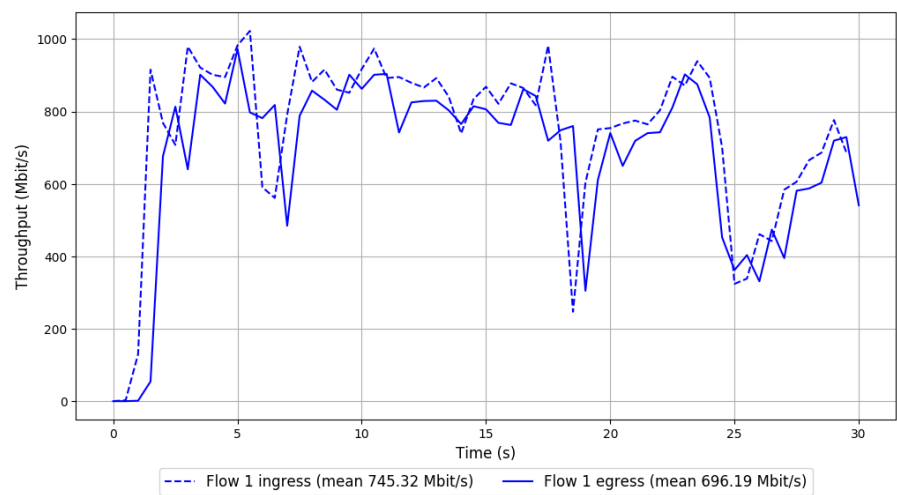


Run 9: Statistics of FillP

Start at: 2018-05-22 11:07:50
End at: 2018-05-22 11:08:20
Local clock offset: -0.132 ms
Remote clock offset: -0.442 ms

Below is generated by plot.py at 2018-05-22 12:27:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 696.19 Mbit/s
95th percentile per-packet one-way delay: 217.038 ms
Loss rate: 7.28%
-- Flow 1:
Average throughput: 696.19 Mbit/s
95th percentile per-packet one-way delay: 217.038 ms
Loss rate: 7.28%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-05-22 11:28:20

End at: 2018-05-22 11:28:50

Local clock offset: -0.06 ms

Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-05-22 12:28:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 682.35 Mbit/s

95th percentile per-packet one-way delay: 310.932 ms

Loss rate: 8.27%

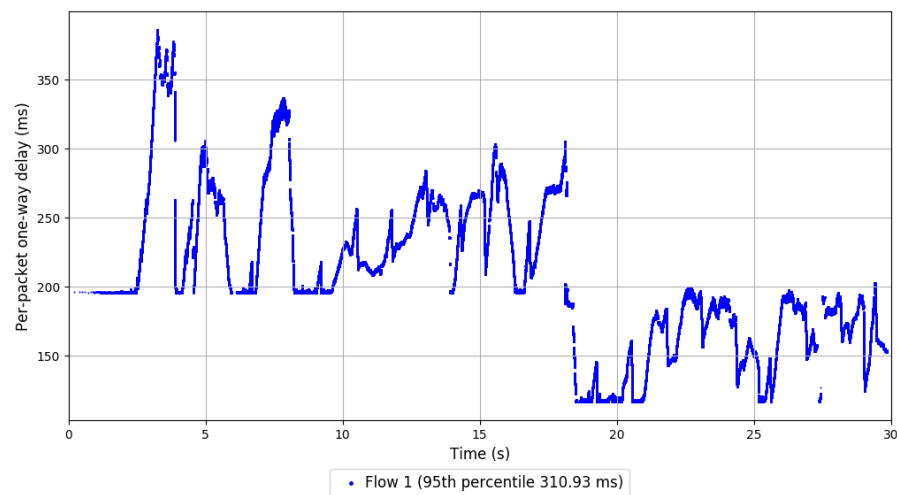
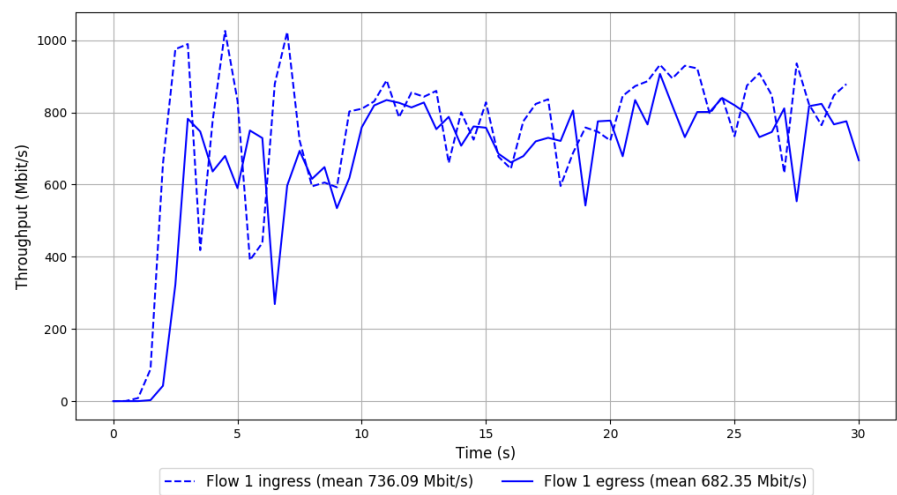
-- Flow 1:

Average throughput: 682.35 Mbit/s

95th percentile per-packet one-way delay: 310.932 ms

Loss rate: 8.27%

Run 10: Report of FillP — Data Link

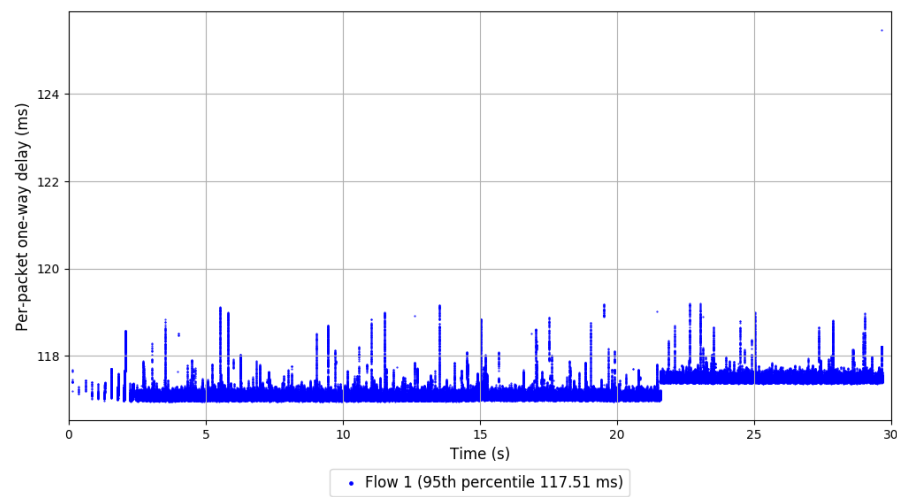
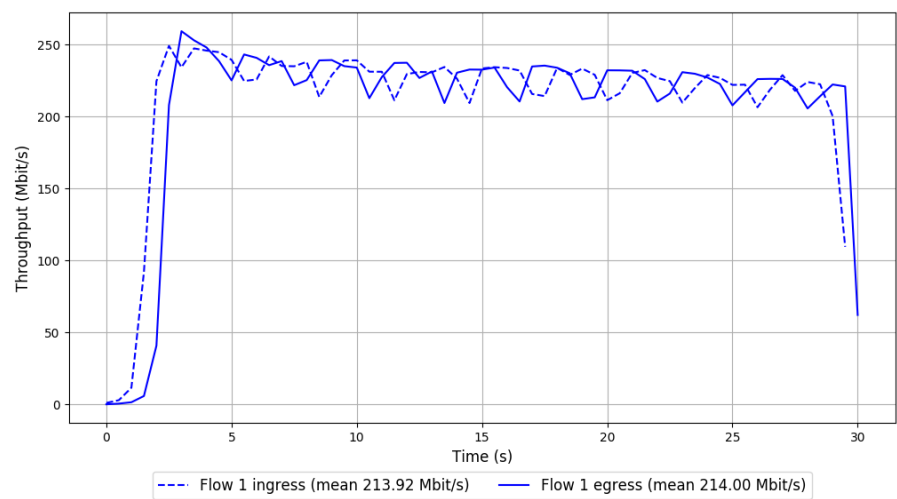


Run 1: Statistics of Indigo

Start at: 2018-05-22 08:24:16
End at: 2018-05-22 08:24:46
Local clock offset: -0.019 ms
Remote clock offset: -0.446 ms

Below is generated by plot.py at 2018-05-22 12:28:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 214.00 Mbit/s
95th percentile per-packet one-way delay: 117.514 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 214.00 Mbit/s
95th percentile per-packet one-way delay: 117.514 ms
Loss rate: 0.73%

Run 1: Report of Indigo — Data Link

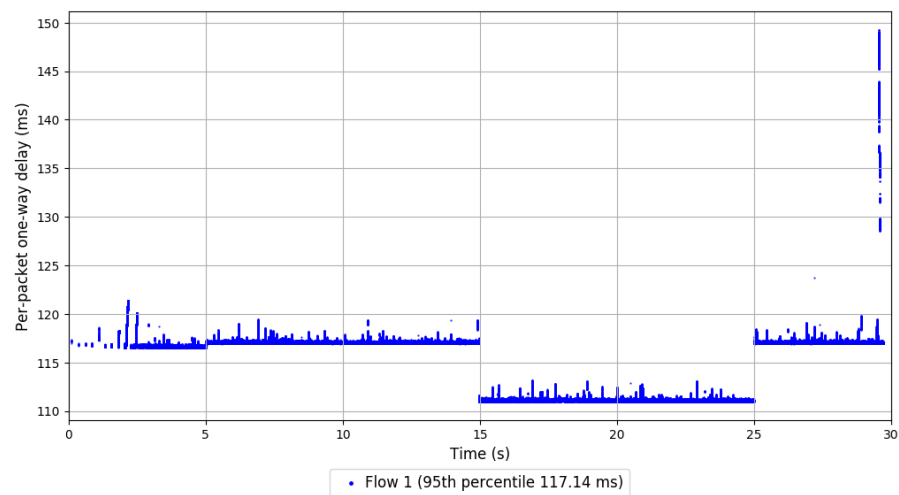
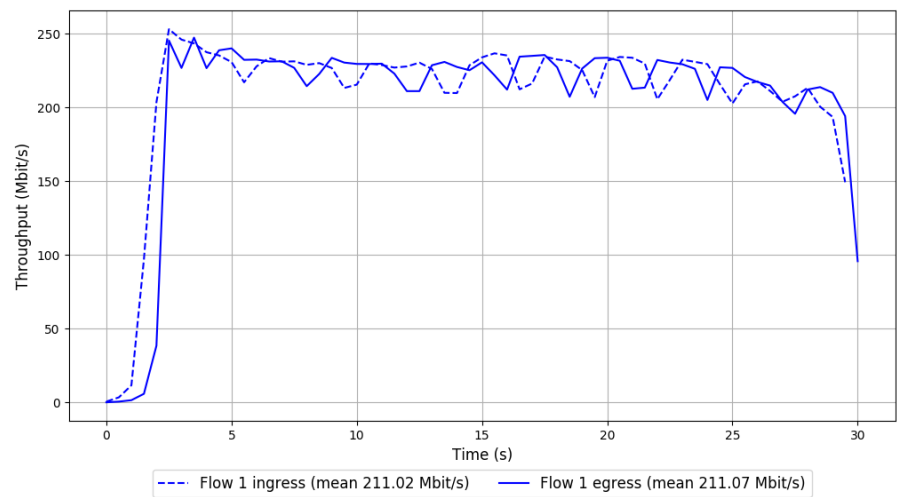


Run 2: Statistics of Indigo

Start at: 2018-05-22 08:45:02
End at: 2018-05-22 08:45:32
Local clock offset: 0.001 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-05-22 12:28:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 211.07 Mbit/s
95th percentile per-packet one-way delay: 117.136 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 211.07 Mbit/s
95th percentile per-packet one-way delay: 117.136 ms
Loss rate: 0.76%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-05-22 09:05:57

End at: 2018-05-22 09:06:27

Local clock offset: 0.06 ms

Remote clock offset: 0.365 ms

Below is generated by plot.py at 2018-05-22 12:28:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 151.22 Mbit/s

95th percentile per-packet one-way delay: 116.720 ms

Loss rate: 0.80%

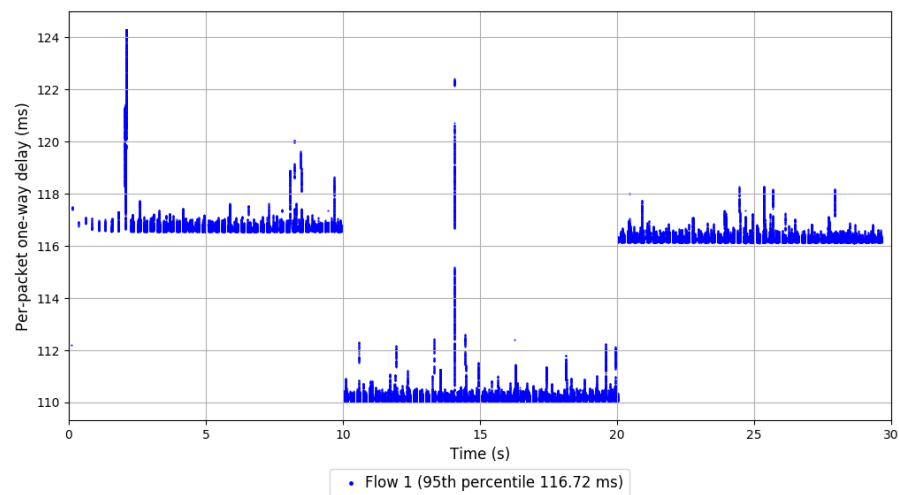
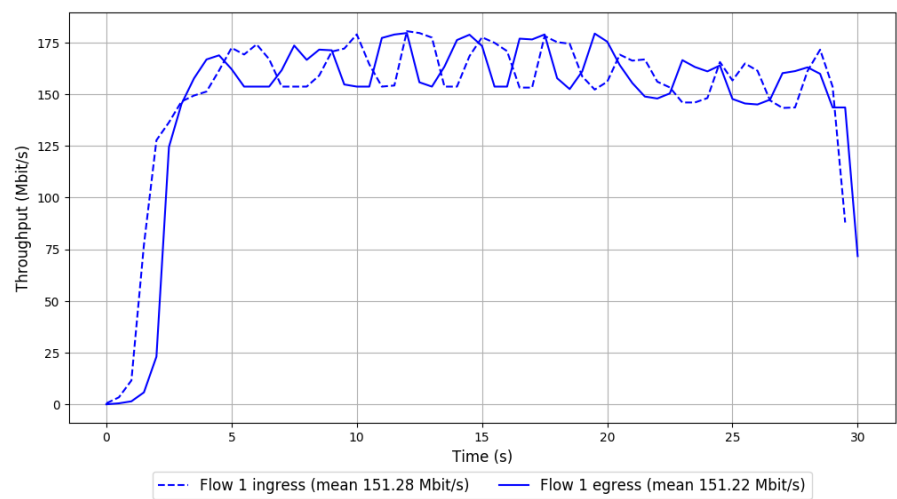
-- Flow 1:

Average throughput: 151.22 Mbit/s

95th percentile per-packet one-way delay: 116.720 ms

Loss rate: 0.80%

Run 3: Report of Indigo — Data Link

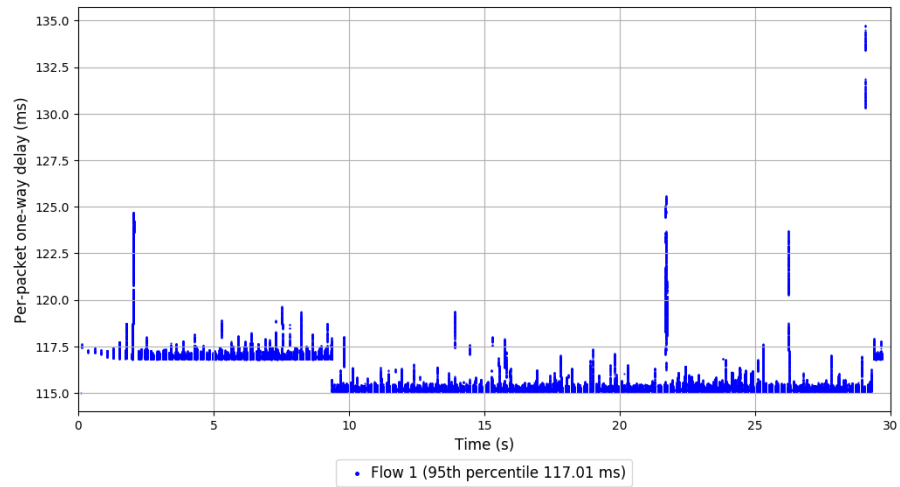
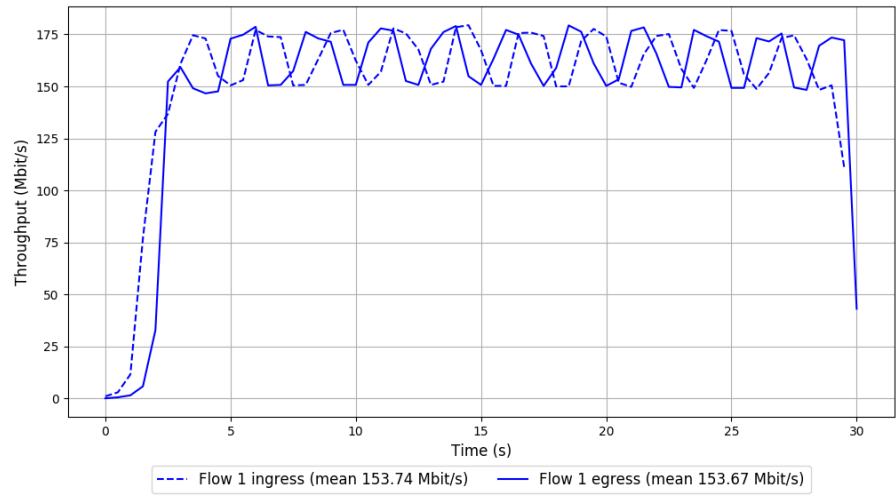


Run 4: Statistics of Indigo

Start at: 2018-05-22 09:26:18
End at: 2018-05-22 09:26:48
Local clock offset: -0.049 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-05-22 12:28:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 153.67 Mbit/s
95th percentile per-packet one-way delay: 117.007 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 153.67 Mbit/s
95th percentile per-packet one-way delay: 117.007 ms
Loss rate: 0.81%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-05-22 09:47:01

End at: 2018-05-22 09:47:31

Local clock offset: -0.421 ms

Remote clock offset: -0.42 ms

Below is generated by plot.py at 2018-05-22 12:28:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.00 Mbit/s

95th percentile per-packet one-way delay: 117.150 ms

Loss rate: 0.77%

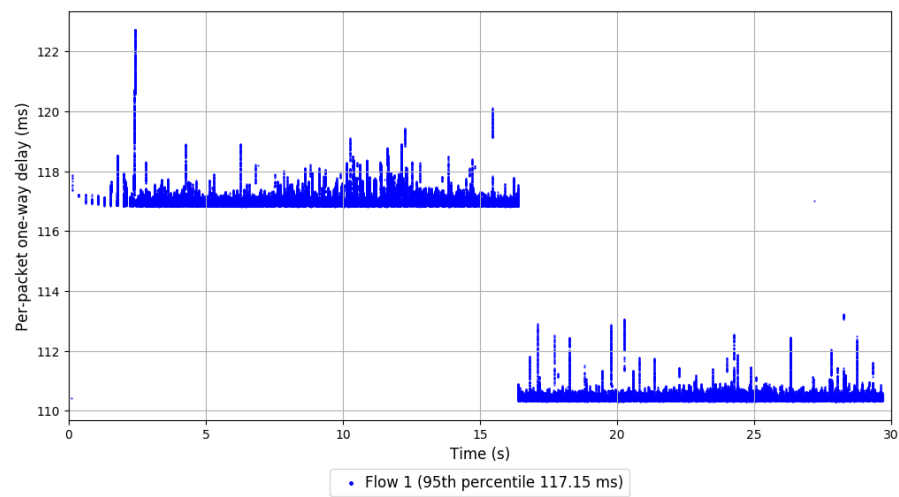
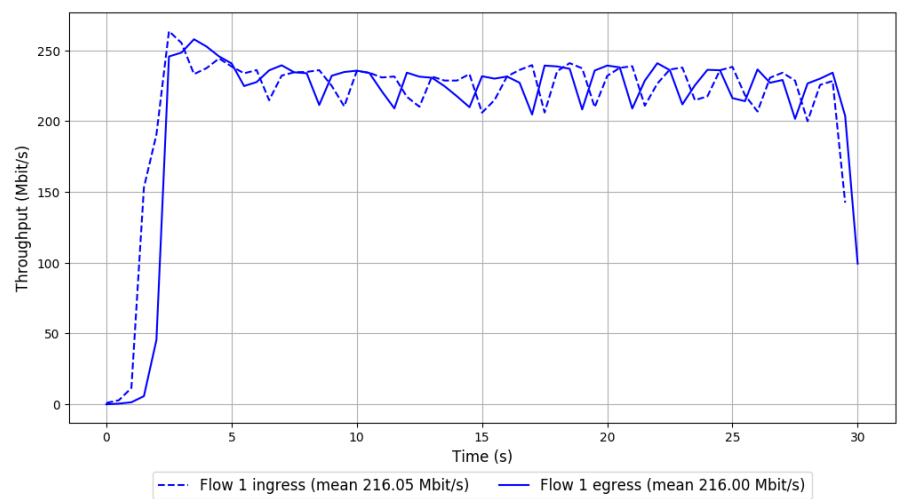
-- Flow 1:

Average throughput: 216.00 Mbit/s

95th percentile per-packet one-way delay: 117.150 ms

Loss rate: 0.77%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-05-22 10:08:38

End at: 2018-05-22 10:09:08

Local clock offset: 0.258 ms

Remote clock offset: -0.377 ms

Below is generated by plot.py at 2018-05-22 12:28:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 148.60 Mbit/s

95th percentile per-packet one-way delay: 116.117 ms

Loss rate: 0.79%

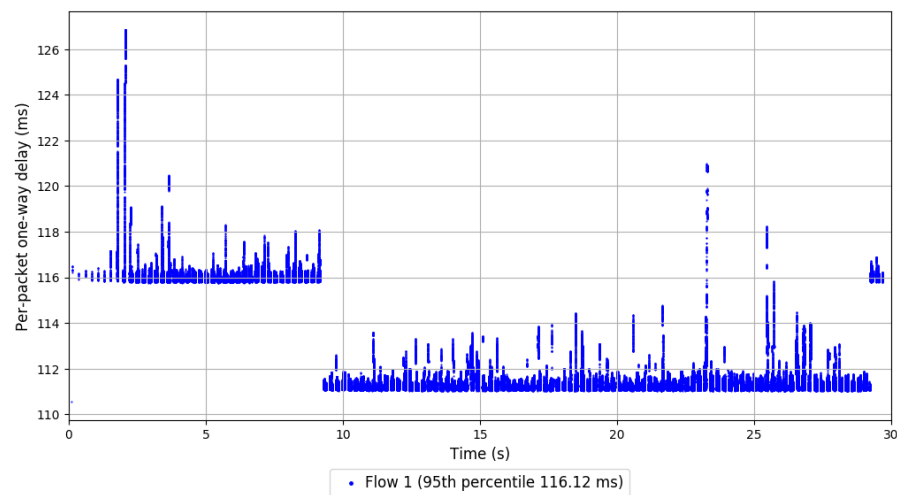
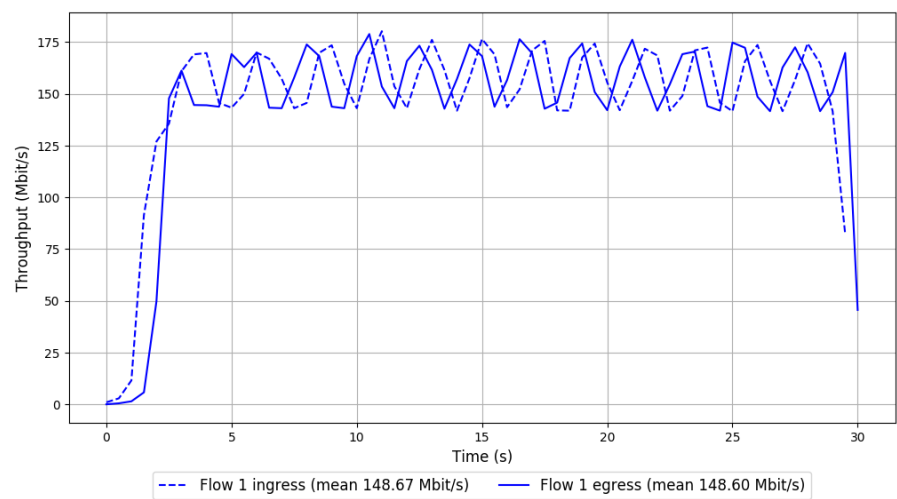
-- Flow 1:

Average throughput: 148.60 Mbit/s

95th percentile per-packet one-way delay: 116.117 ms

Loss rate: 0.79%

Run 6: Report of Indigo — Data Link

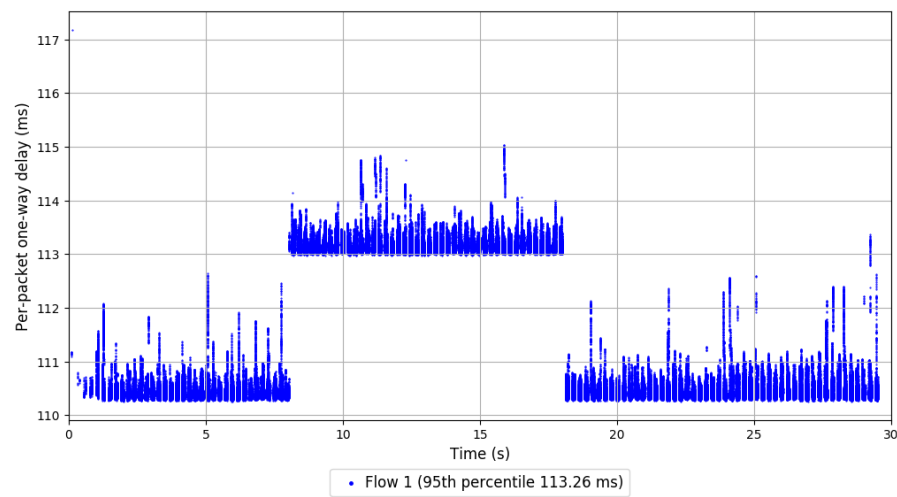
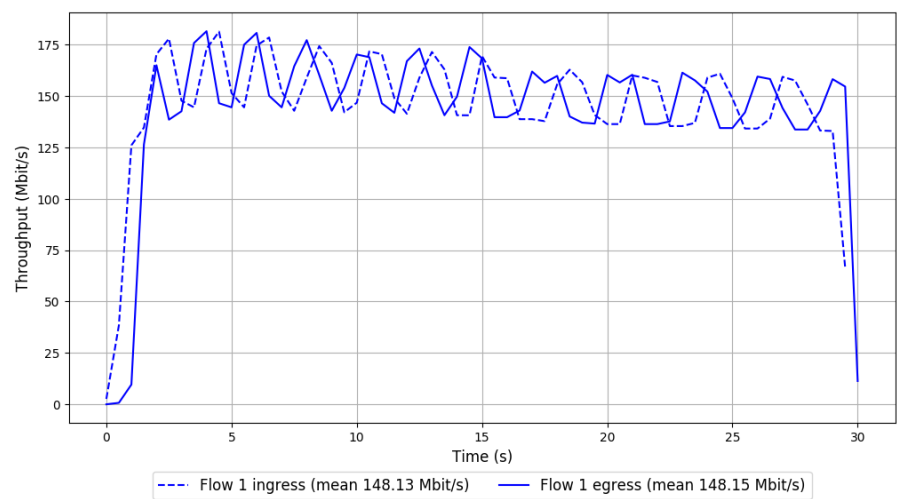


Run 7: Statistics of Indigo

Start at: 2018-05-22 10:29:19
End at: 2018-05-22 10:29:49
Local clock offset: 0.093 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-05-22 12:28:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 148.15 Mbit/s
95th percentile per-packet one-way delay: 113.264 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 148.15 Mbit/s
95th percentile per-packet one-way delay: 113.264 ms
Loss rate: 0.76%

Run 7: Report of Indigo — Data Link

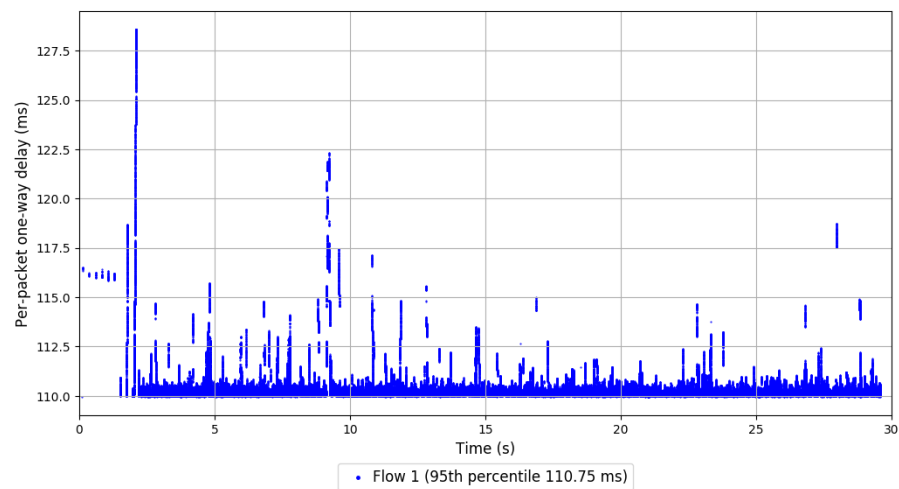
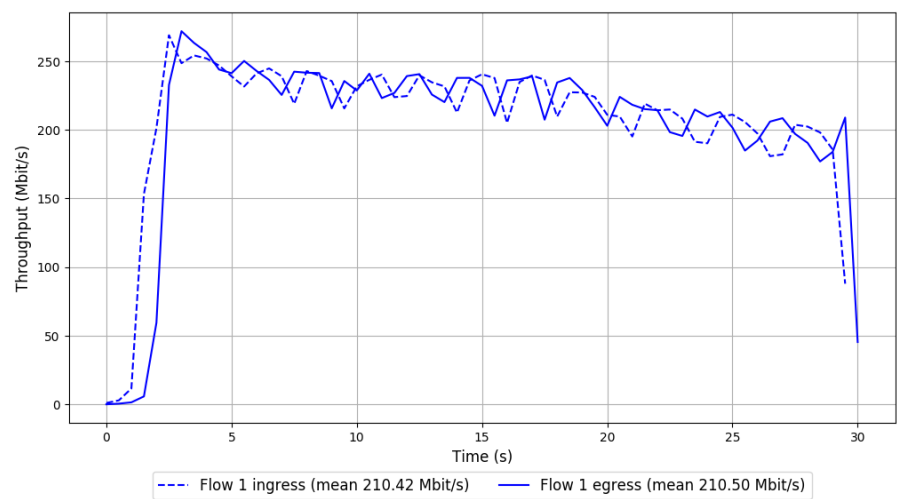


Run 8: Statistics of Indigo

Start at: 2018-05-22 10:50:06
End at: 2018-05-22 10:50:36
Local clock offset: -0.189 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-05-22 12:28:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 210.50 Mbit/s
95th percentile per-packet one-way delay: 110.751 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 210.50 Mbit/s
95th percentile per-packet one-way delay: 110.751 ms
Loss rate: 0.72%

Run 8: Report of Indigo — Data Link

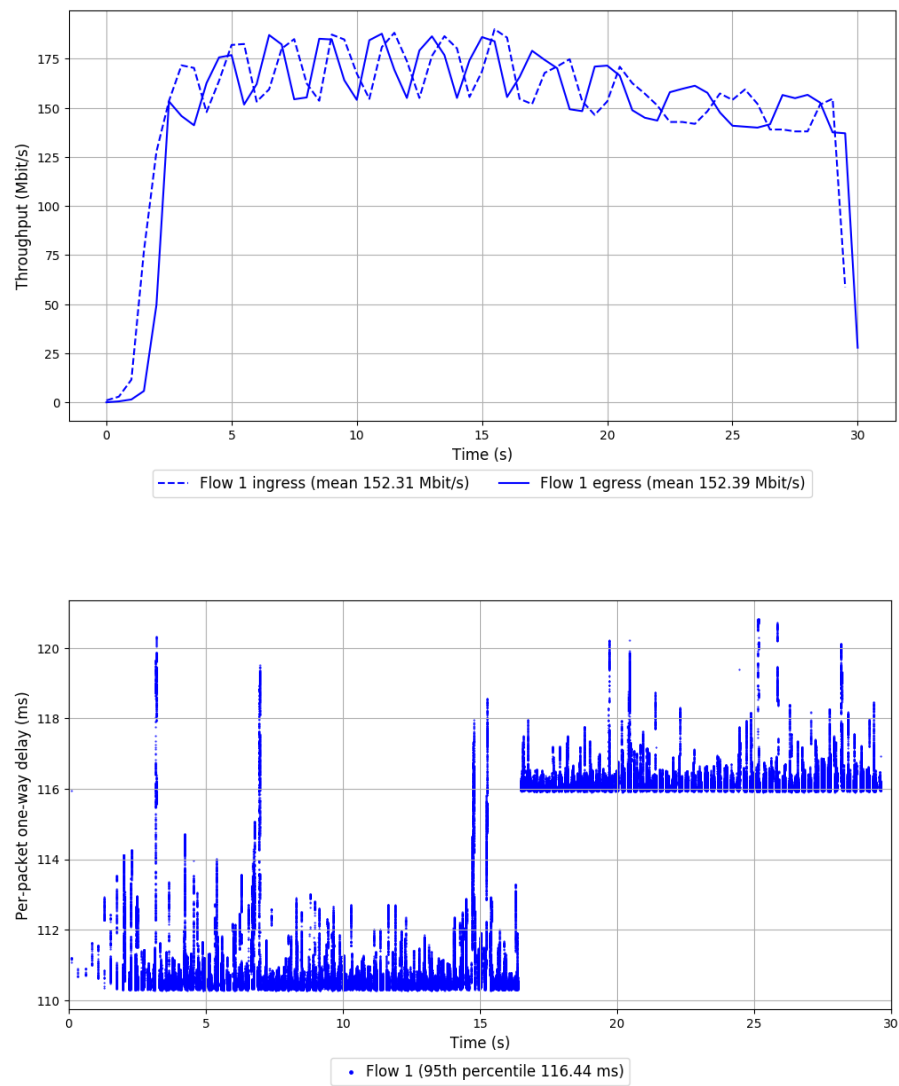


Run 9: Statistics of Indigo

Start at: 2018-05-22 11:10:41
End at: 2018-05-22 11:11:11
Local clock offset: -0.034 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-05-22 12:28:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 152.39 Mbit/s
95th percentile per-packet one-way delay: 116.445 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 152.39 Mbit/s
95th percentile per-packet one-way delay: 116.445 ms
Loss rate: 0.69%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-05-22 11:31:27

End at: 2018-05-22 11:31:57

Local clock offset: 0.471 ms

Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-05-22 12:28:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 142.46 Mbit/s

95th percentile per-packet one-way delay: 116.878 ms

Loss rate: 0.81%

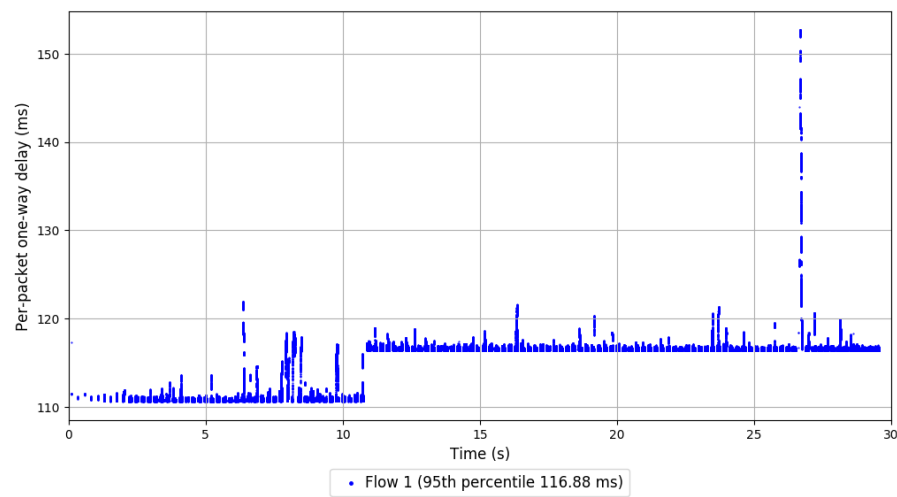
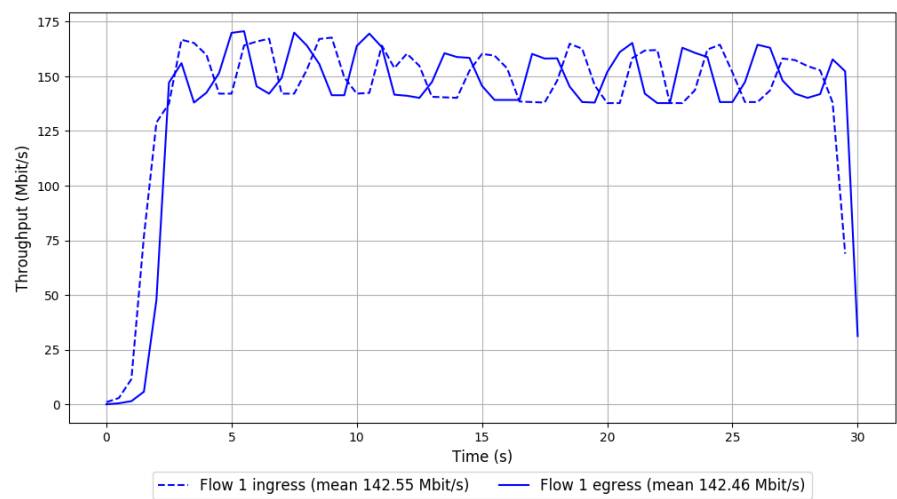
-- Flow 1:

Average throughput: 142.46 Mbit/s

95th percentile per-packet one-way delay: 116.878 ms

Loss rate: 0.81%

Run 10: Report of Indigo — Data Link



Run 1: Statistics of LEDBAT

Start at: 2018-05-22 08:34:20

End at: 2018-05-22 08:34:50

Local clock offset: 0.151 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-05-22 12:28:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.59 Mbit/s

95th percentile per-packet one-way delay: 117.826 ms

Loss rate: 0.38%

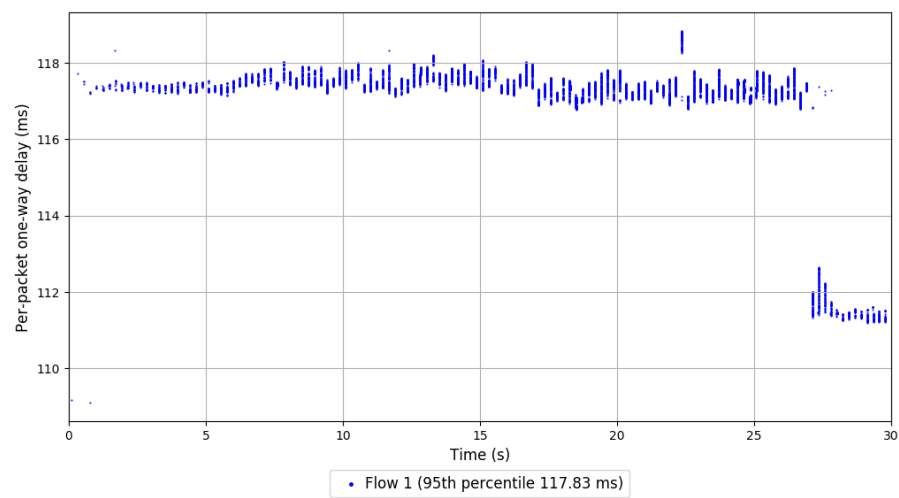
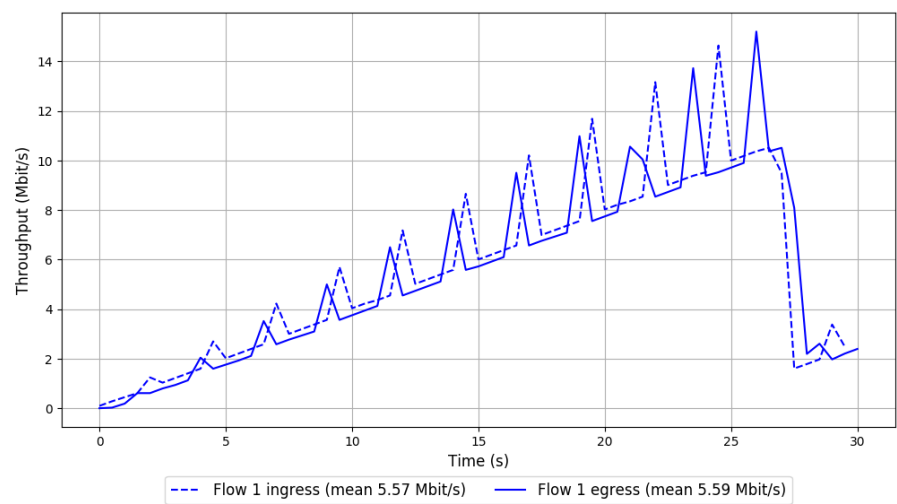
-- Flow 1:

Average throughput: 5.59 Mbit/s

95th percentile per-packet one-way delay: 117.826 ms

Loss rate: 0.38%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-05-22 08:55:03

End at: 2018-05-22 08:55:33

Local clock offset: 0.04 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-05-22 12:28:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.05 Mbit/s

95th percentile per-packet one-way delay: 117.506 ms

Loss rate: 1.51%

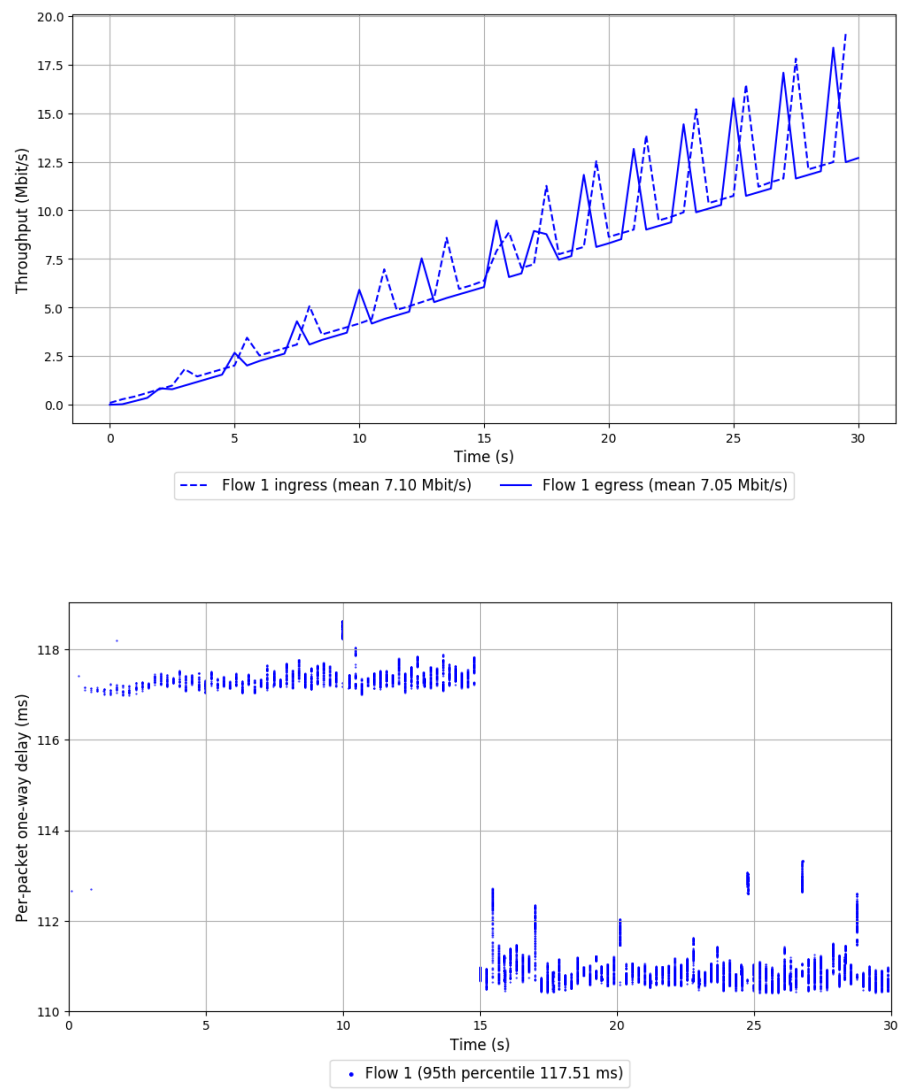
-- Flow 1:

Average throughput: 7.05 Mbit/s

95th percentile per-packet one-way delay: 117.506 ms

Loss rate: 1.51%

Run 2: Report of LEDBAT — Data Link

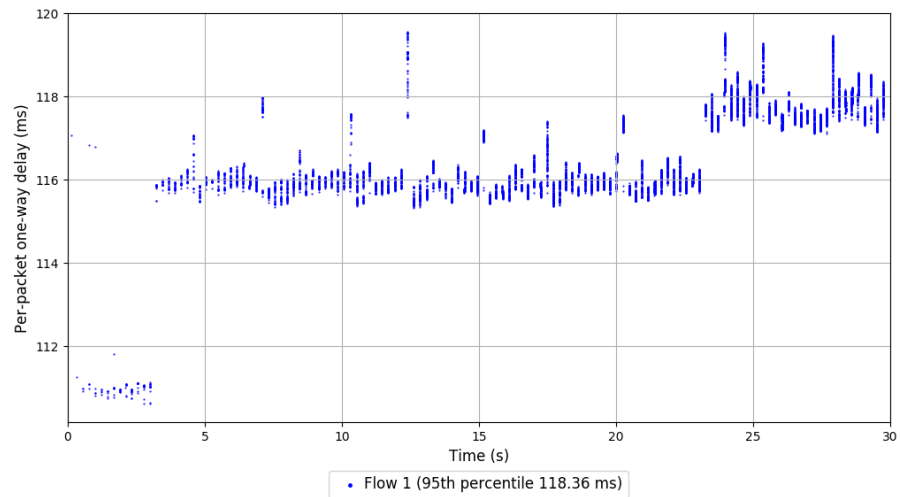
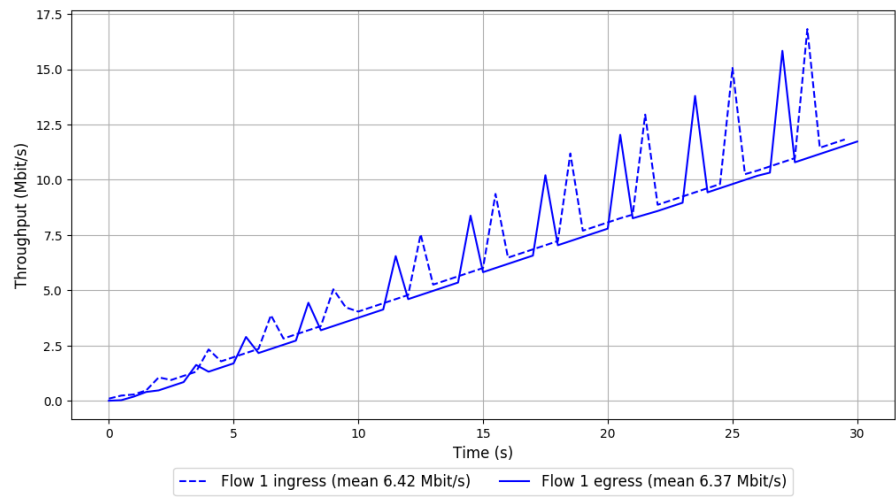


Run 3: Statistics of LEDBAT

Start at: 2018-05-22 09:16:04
End at: 2018-05-22 09:16:34
Local clock offset: 0.23 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-05-22 12:28:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.37 Mbit/s
95th percentile per-packet one-way delay: 118.355 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 6.37 Mbit/s
95th percentile per-packet one-way delay: 118.355 ms
Loss rate: 1.55%

Run 3: Report of LEDBAT — Data Link

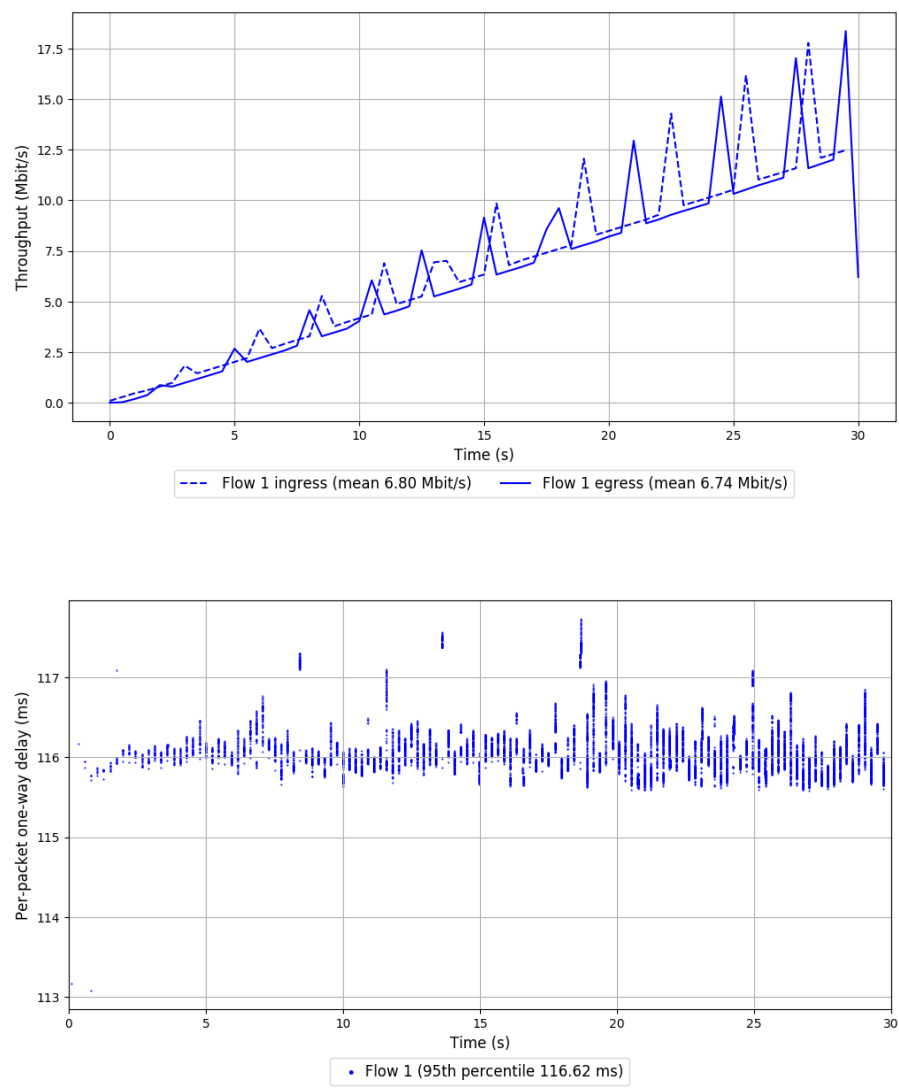


Run 4: Statistics of LEDBAT

Start at: 2018-05-22 09:36:19
End at: 2018-05-22 09:36:49
Local clock offset: 0.087 ms
Remote clock offset: -0.442 ms

Below is generated by plot.py at 2018-05-22 12:28:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.74 Mbit/s
95th percentile per-packet one-way delay: 116.619 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 6.74 Mbit/s
95th percentile per-packet one-way delay: 116.619 ms
Loss rate: 1.54%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-05-22 09:57:33

End at: 2018-05-22 09:58:03

Local clock offset: 0.204 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-05-22 12:28:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.74 Mbit/s

95th percentile per-packet one-way delay: 116.393 ms

Loss rate: 1.52%

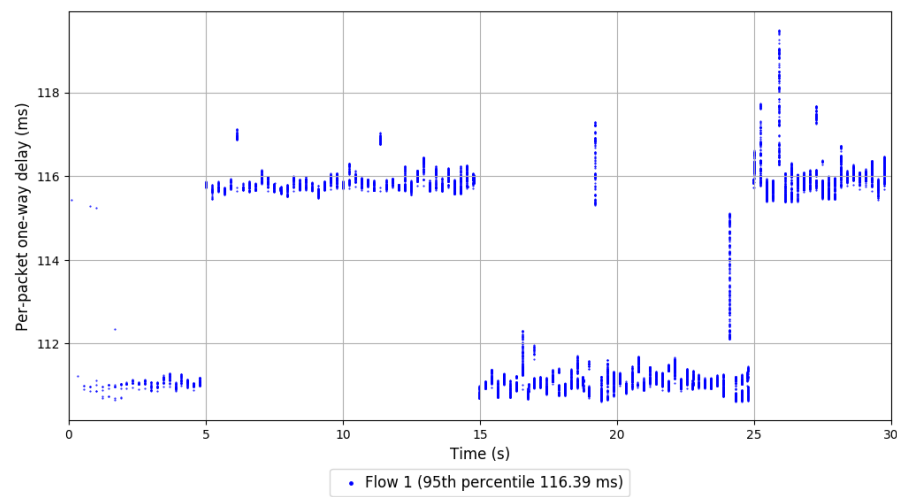
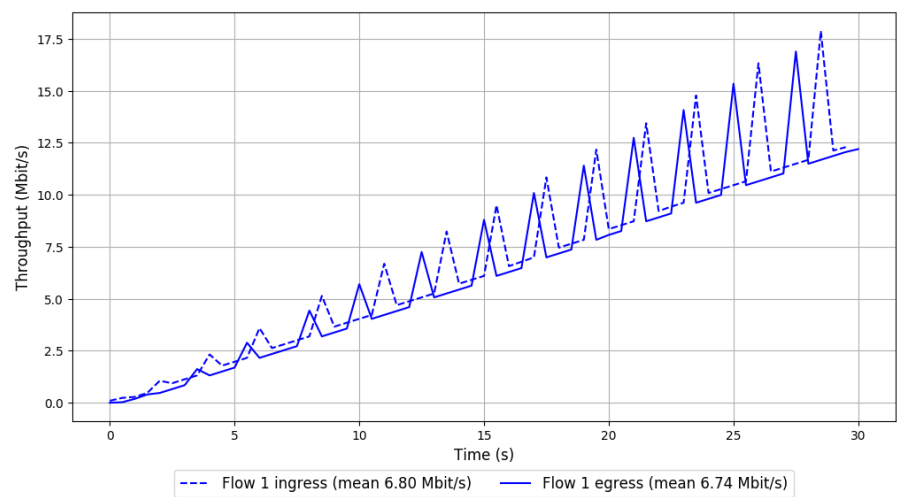
-- Flow 1:

Average throughput: 6.74 Mbit/s

95th percentile per-packet one-way delay: 116.393 ms

Loss rate: 1.52%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-05-22 10:19:02

End at: 2018-05-22 10:19:32

Local clock offset: -0.123 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-05-22 12:28:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.83 Mbit/s

95th percentile per-packet one-way delay: 114.360 ms

Loss rate: 1.64%

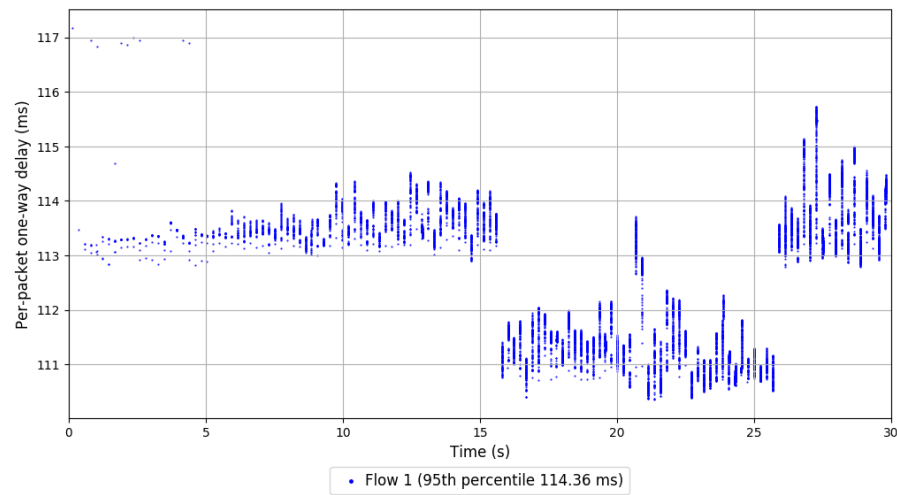
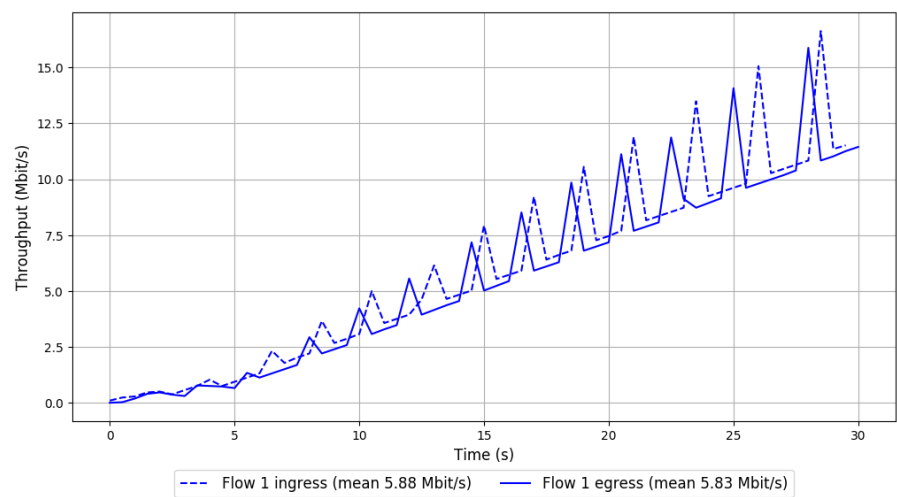
-- Flow 1:

Average throughput: 5.83 Mbit/s

95th percentile per-packet one-way delay: 114.360 ms

Loss rate: 1.64%

Run 6: Report of LEDBAT — Data Link

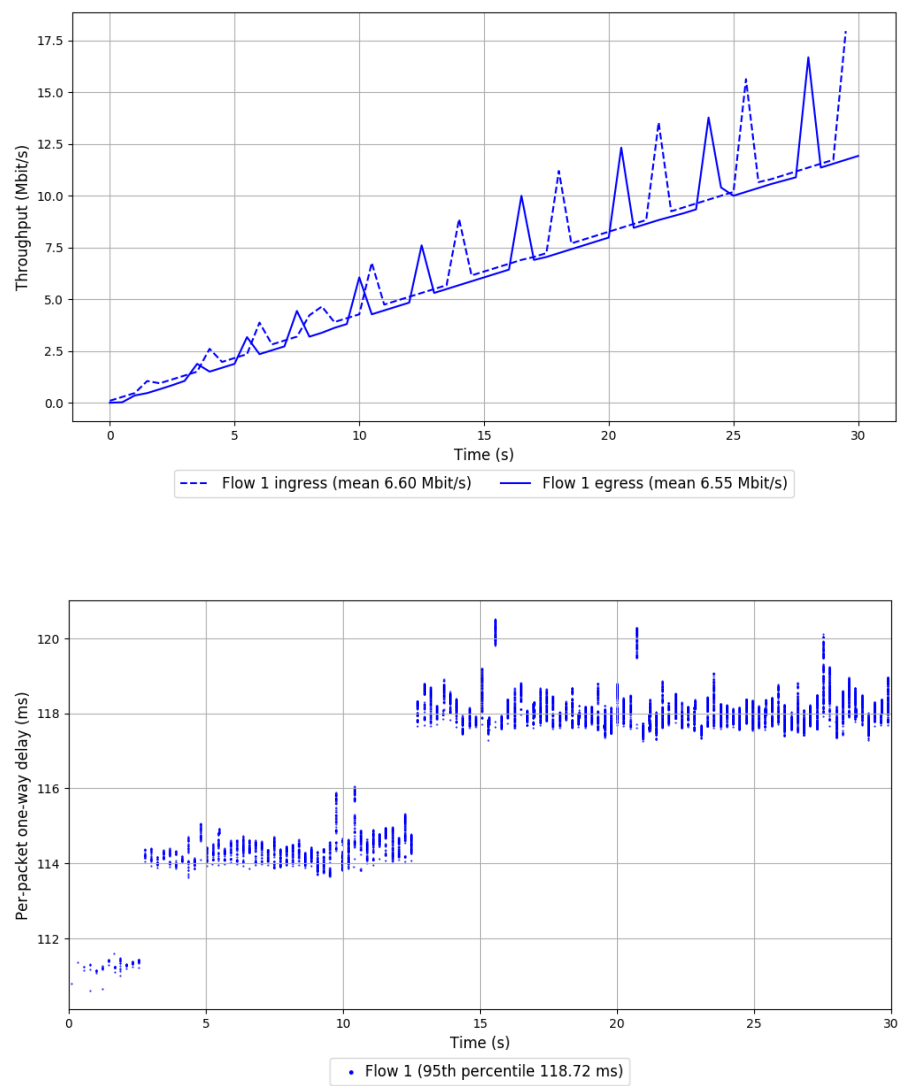


Run 7: Statistics of LEDBAT

Start at: 2018-05-22 10:39:25
End at: 2018-05-22 10:39:55
Local clock offset: 0.344 ms
Remote clock offset: -0.377 ms

Below is generated by plot.py at 2018-05-22 12:28:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.55 Mbit/s
95th percentile per-packet one-way delay: 118.715 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 6.55 Mbit/s
95th percentile per-packet one-way delay: 118.715 ms
Loss rate: 1.52%

Run 7: Report of LEDBAT — Data Link

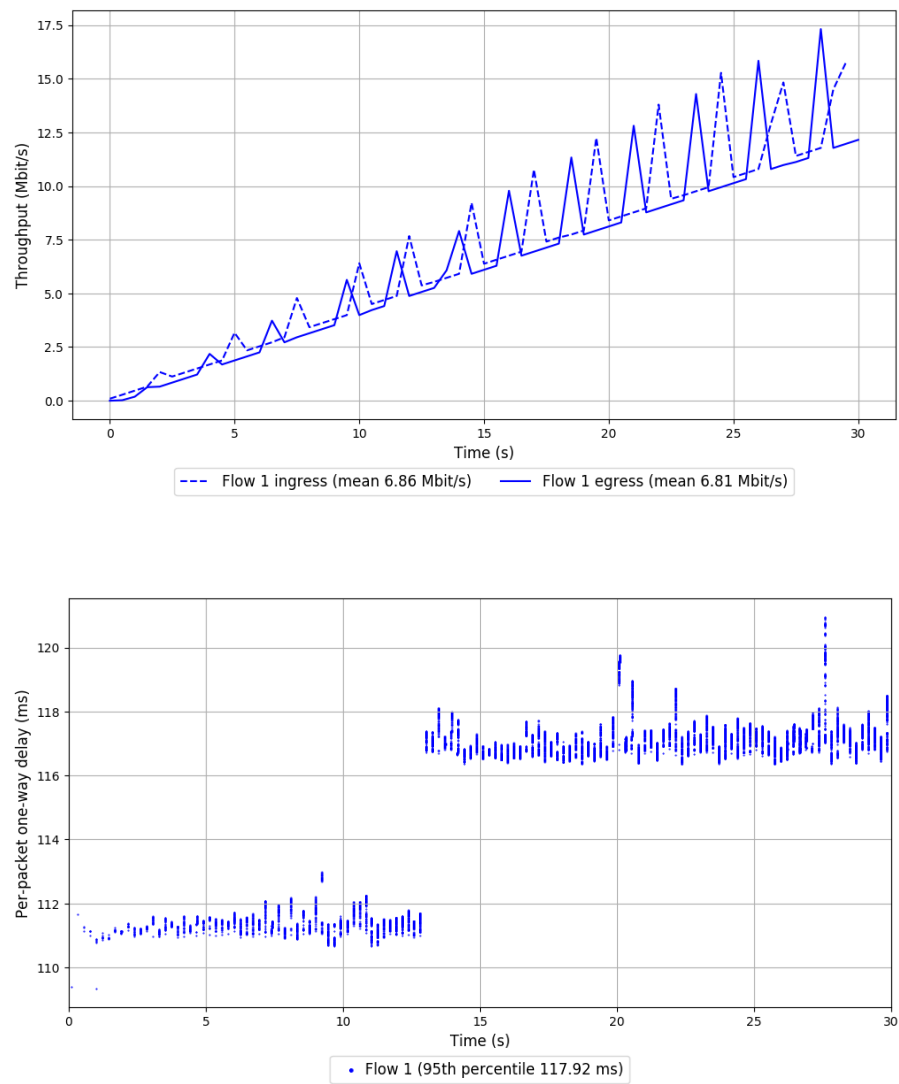


Run 8: Statistics of LEDBAT

Start at: 2018-05-22 11:00:05
End at: 2018-05-22 11:00:35
Local clock offset: -0.01 ms
Remote clock offset: -0.393 ms

Below is generated by plot.py at 2018-05-22 12:28:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.81 Mbit/s
95th percentile per-packet one-way delay: 117.920 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 6.81 Mbit/s
95th percentile per-packet one-way delay: 117.920 ms
Loss rate: 1.49%

Run 8: Report of LEDBAT — Data Link

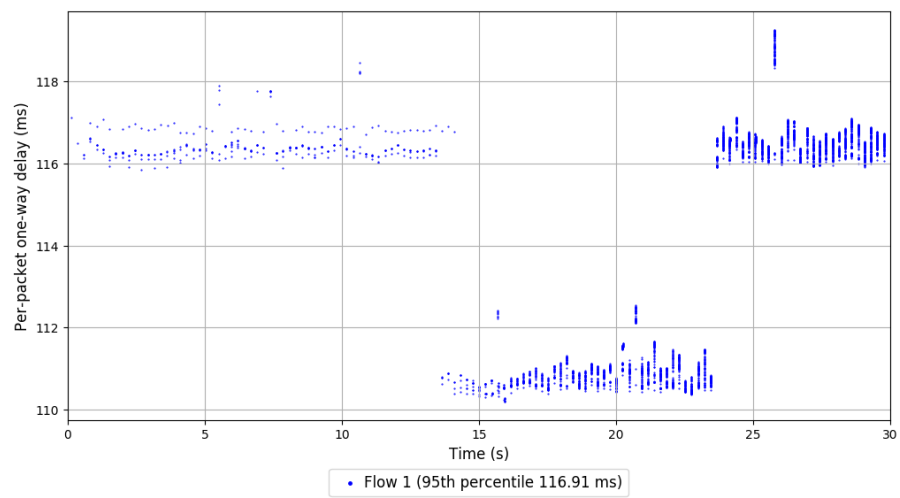
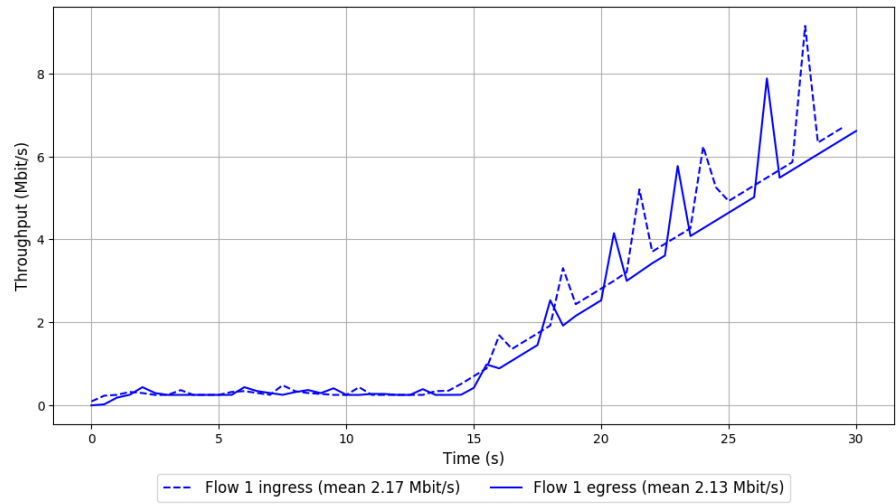


Run 9: Statistics of LEDBAT

Start at: 2018-05-22 11:20:54
End at: 2018-05-22 11:21:24
Local clock offset: -0.152 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-05-22 12:28:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 116.914 ms
Loss rate: 2.60%
-- Flow 1:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 116.914 ms
Loss rate: 2.60%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-05-22 11:41:28

End at: 2018-05-22 11:41:58

Local clock offset: 0.3 ms

Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-05-22 12:28:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.47 Mbit/s

95th percentile per-packet one-way delay: 117.661 ms

Loss rate: 1.56%

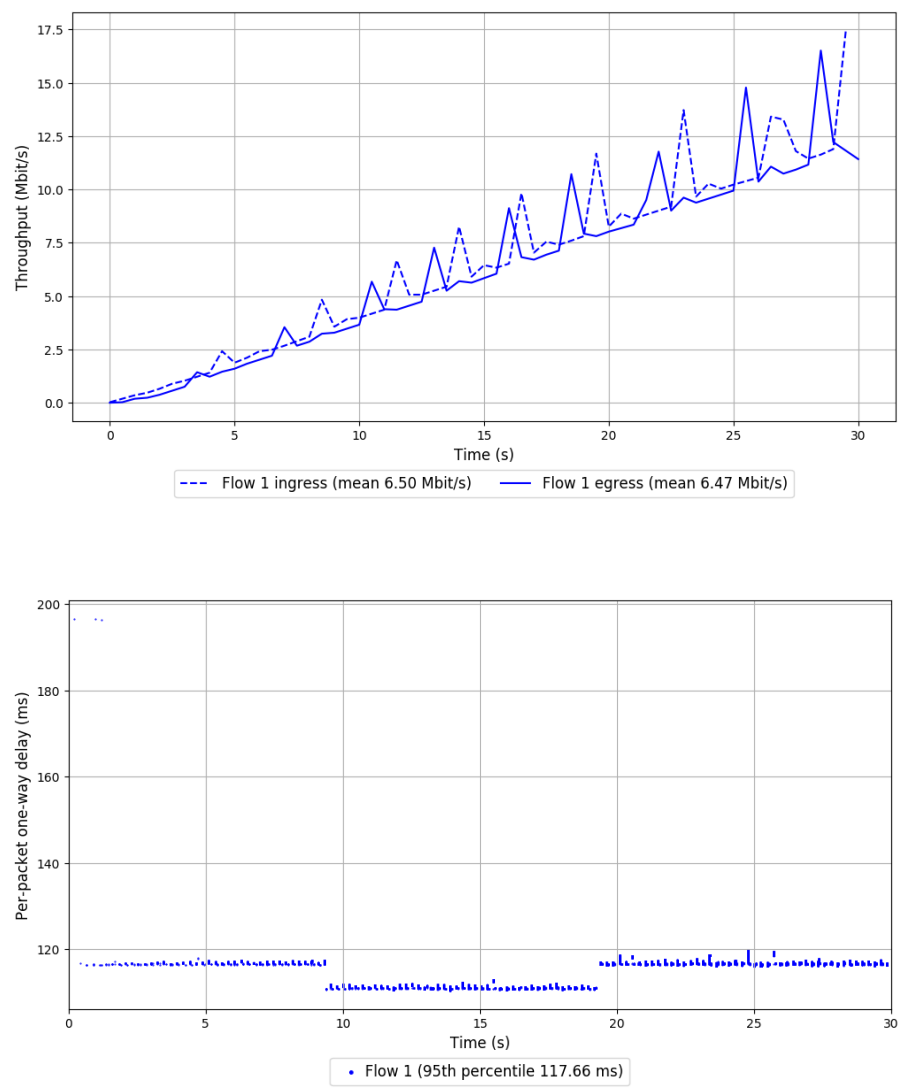
-- Flow 1:

Average throughput: 6.47 Mbit/s

95th percentile per-packet one-way delay: 117.661 ms

Loss rate: 1.56%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-05-22 08:29:06

End at: 2018-05-22 08:29:36

Local clock offset: 0.015 ms

Remote clock offset: -0.396 ms

Below is generated by plot.py at 2018-05-22 12:28:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 545.99 Mbit/s

95th percentile per-packet one-way delay: 145.117 ms

Loss rate: 1.67%

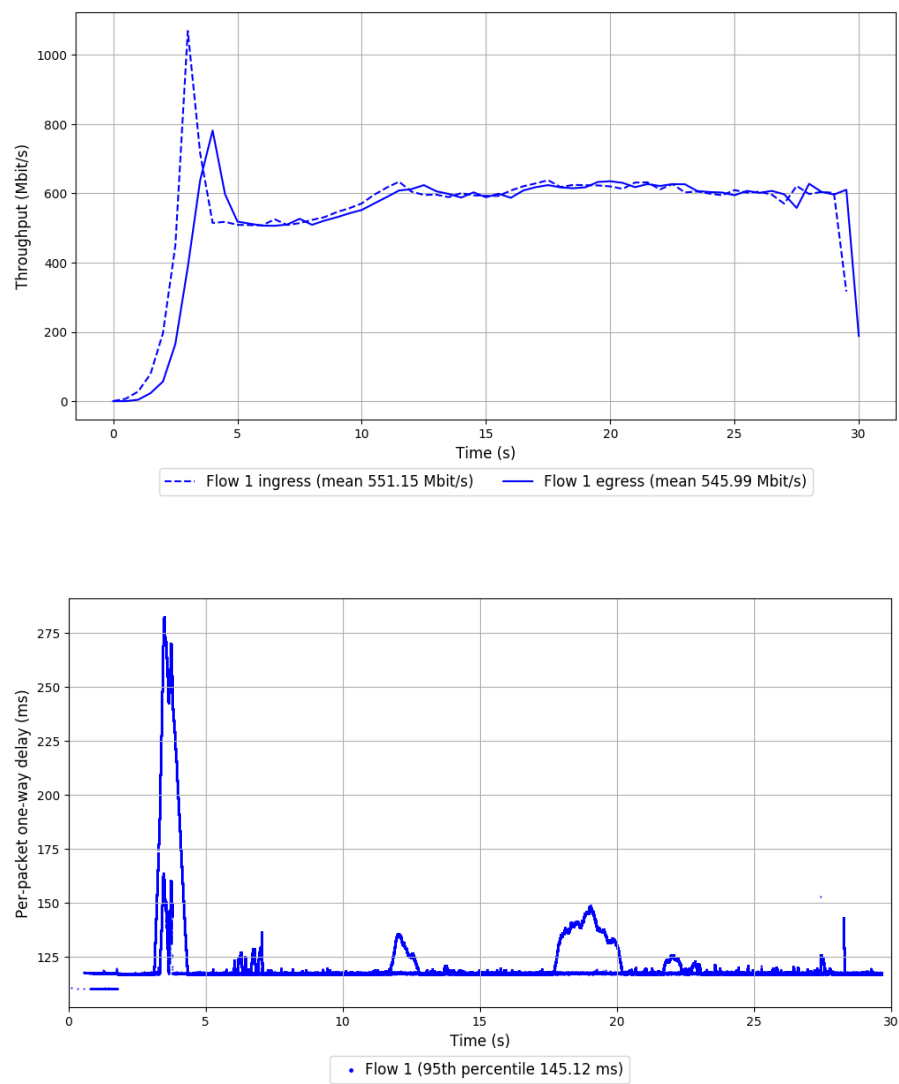
-- Flow 1:

Average throughput: 545.99 Mbit/s

95th percentile per-packet one-way delay: 145.117 ms

Loss rate: 1.67%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-05-22 08:49:53

End at: 2018-05-22 08:50:23

Local clock offset: -0.082 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-05-22 12:28:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 530.17 Mbit/s

95th percentile per-packet one-way delay: 165.572 ms

Loss rate: 1.77%

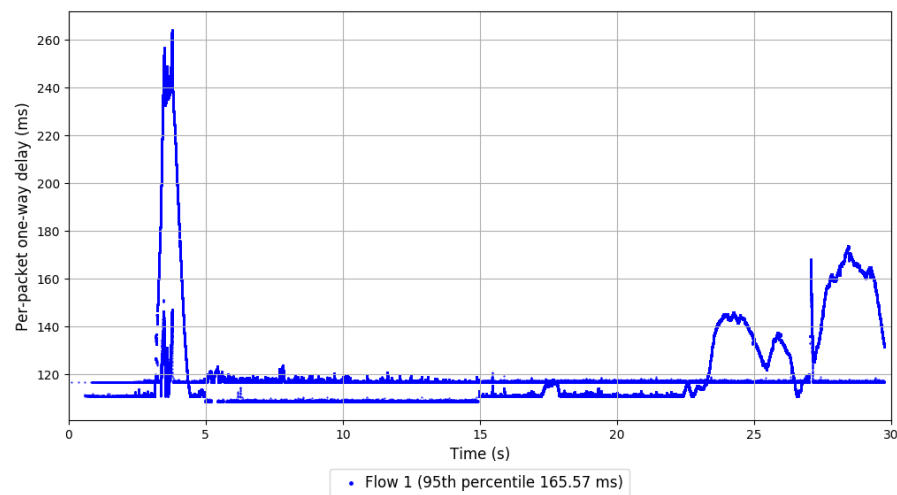
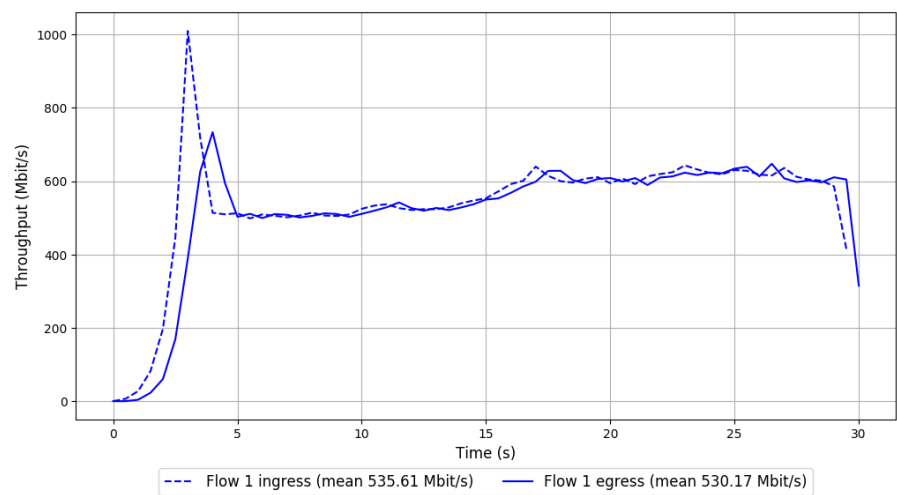
-- Flow 1:

Average throughput: 530.17 Mbit/s

95th percentile per-packet one-way delay: 165.572 ms

Loss rate: 1.77%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-05-22 09:10:44

End at: 2018-05-22 09:11:14

Local clock offset: 0.062 ms

Remote clock offset: 0.321 ms

Below is generated by plot.py at 2018-05-22 12:28:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 530.59 Mbit/s

95th percentile per-packet one-way delay: 202.370 ms

Loss rate: 2.06%

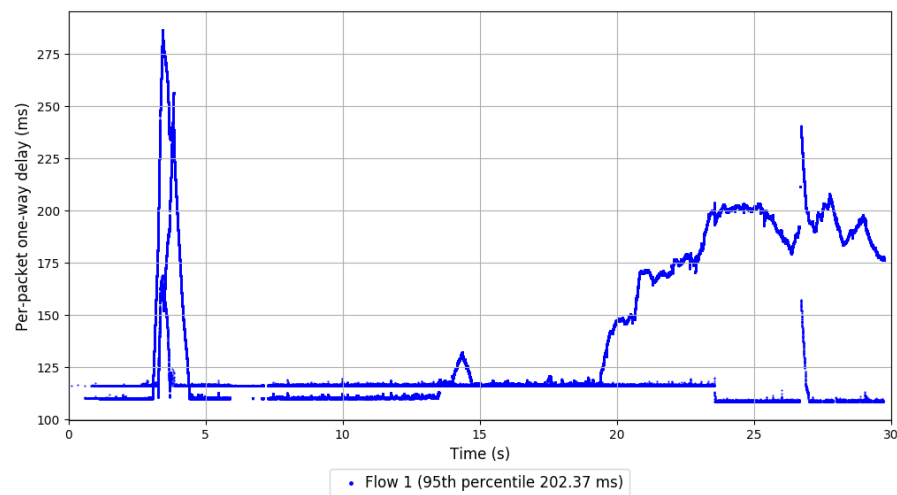
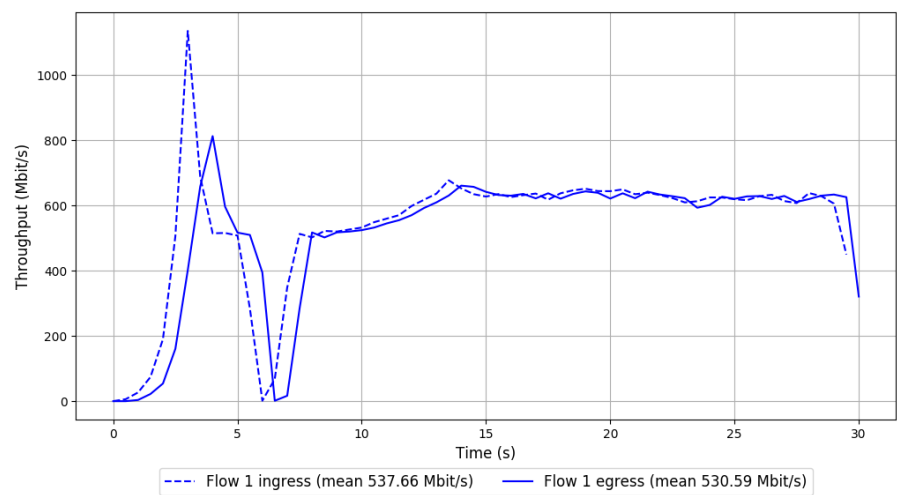
-- Flow 1:

Average throughput: 530.59 Mbit/s

95th percentile per-packet one-way delay: 202.370 ms

Loss rate: 2.06%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-05-22 09:31:08

End at: 2018-05-22 09:31:38

Local clock offset: 0.318 ms

Remote clock offset: 0.319 ms

Below is generated by plot.py at 2018-05-22 12:28:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 507.33 Mbit/s

95th percentile per-packet one-way delay: 124.308 ms

Loss rate: 1.75%

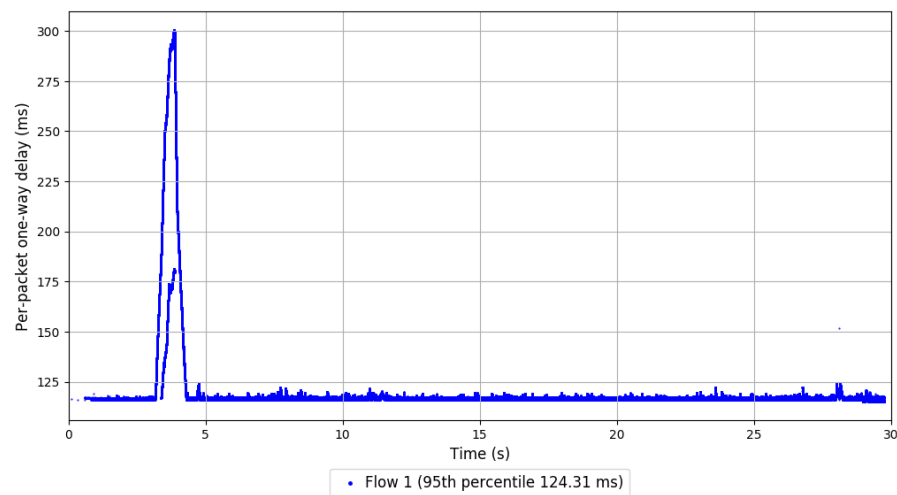
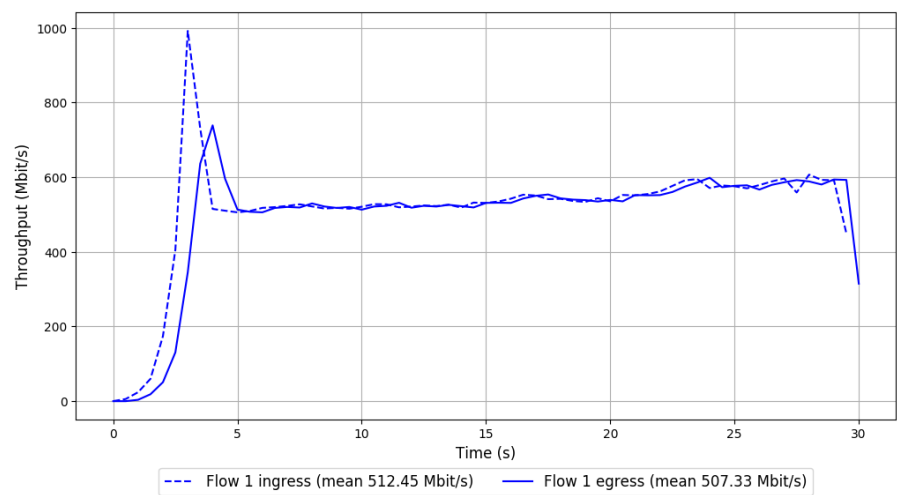
-- Flow 1:

Average throughput: 507.33 Mbit/s

95th percentile per-packet one-way delay: 124.308 ms

Loss rate: 1.75%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-05-22 09:51:55

End at: 2018-05-22 09:52:25

Local clock offset: 0.008 ms

Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-05-22 12:29:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 535.84 Mbit/s

95th percentile per-packet one-way delay: 194.526 ms

Loss rate: 2.09%

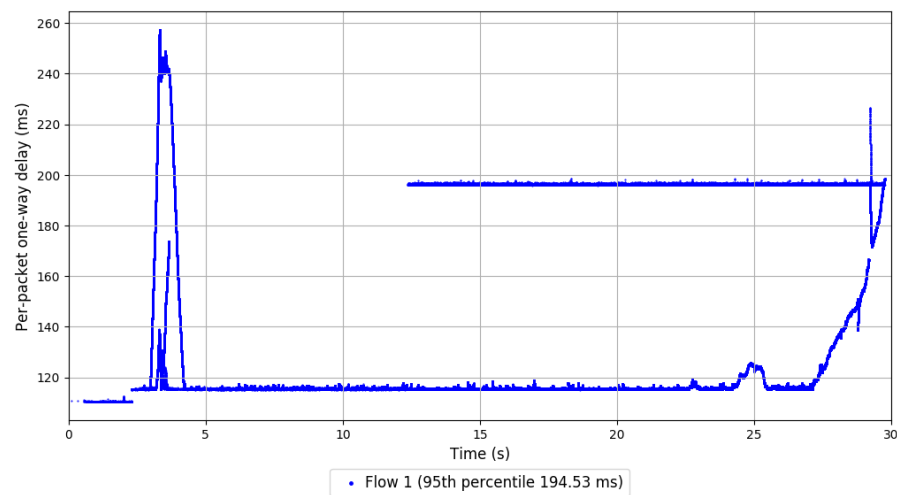
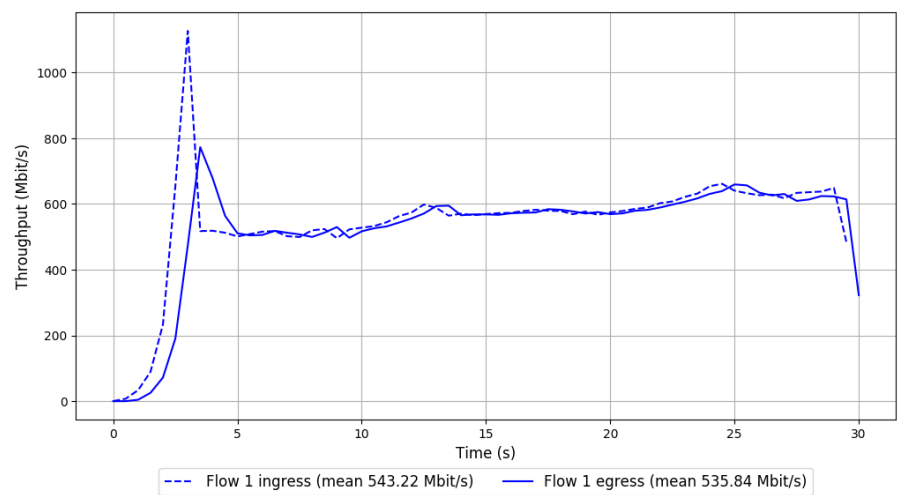
-- Flow 1:

Average throughput: 535.84 Mbit/s

95th percentile per-packet one-way delay: 194.526 ms

Loss rate: 2.09%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-05-22 10:13:29

End at: 2018-05-22 10:13:59

Local clock offset: -0.287 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-05-22 12:29:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 507.39 Mbit/s

95th percentile per-packet one-way delay: 238.000 ms

Loss rate: 5.13%

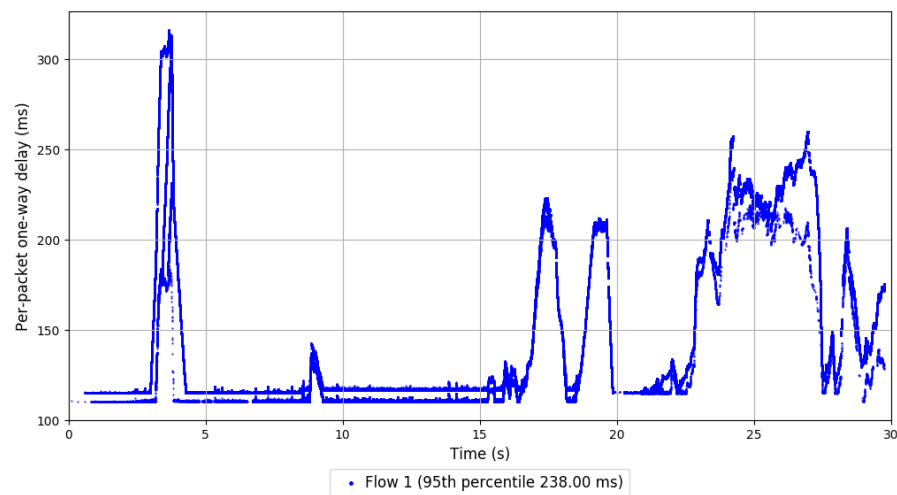
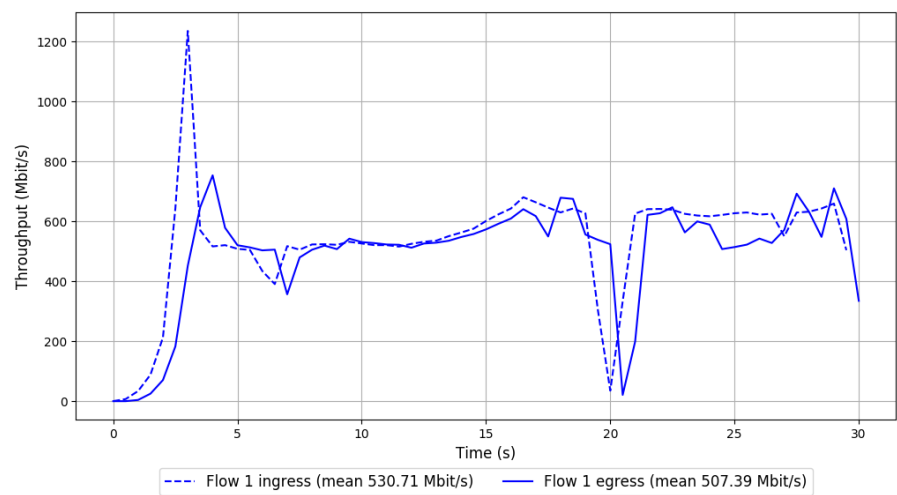
-- Flow 1:

Average throughput: 507.39 Mbit/s

95th percentile per-packet one-way delay: 238.000 ms

Loss rate: 5.13%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-05-22 10:34:11

End at: 2018-05-22 10:34:41

Local clock offset: -0.05 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-05-22 12:35:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 397.36 Mbit/s

95th percentile per-packet one-way delay: 212.795 ms

Loss rate: 3.22%

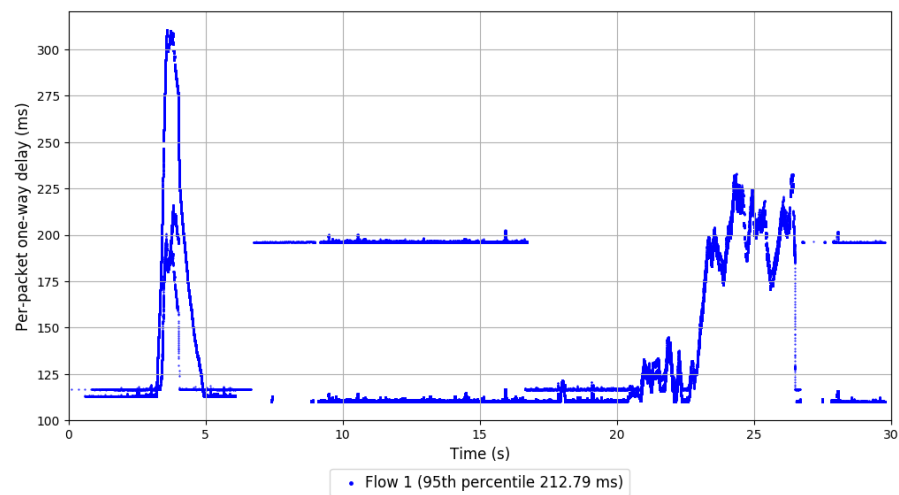
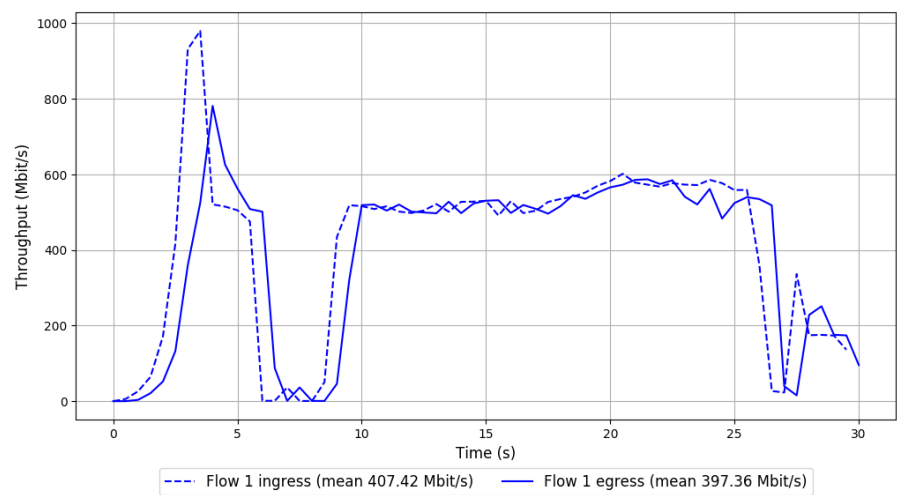
-- Flow 1:

Average throughput: 397.36 Mbit/s

95th percentile per-packet one-way delay: 212.795 ms

Loss rate: 3.22%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-05-22 10:54:58

End at: 2018-05-22 10:55:28

Local clock offset: -0.026 ms

Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-05-22 12:37:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 497.02 Mbit/s

95th percentile per-packet one-way delay: 171.738 ms

Loss rate: 2.02%

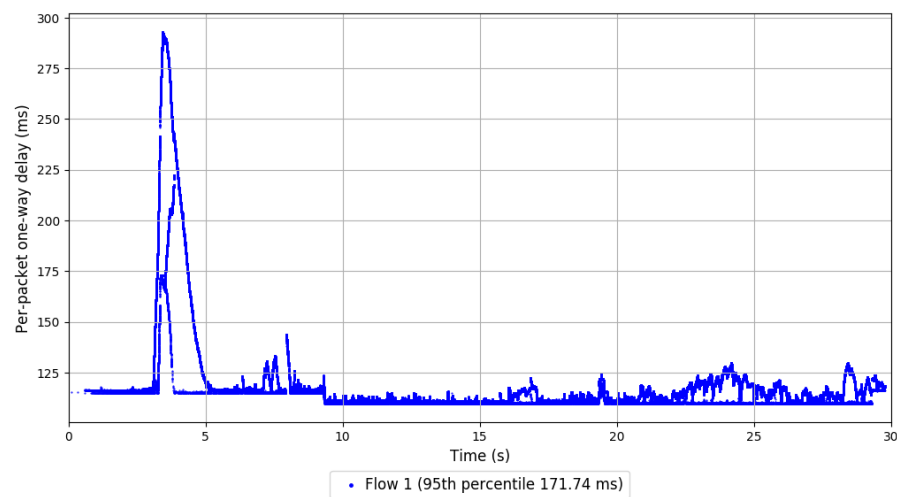
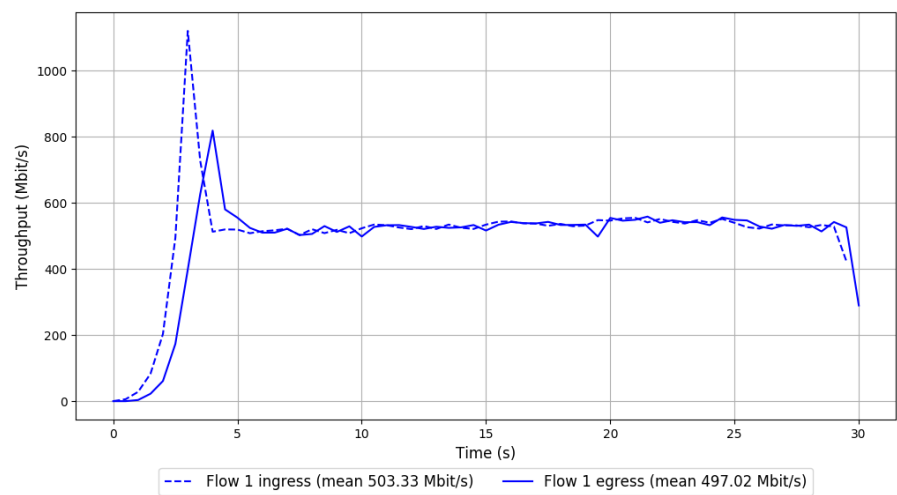
-- Flow 1:

Average throughput: 497.02 Mbit/s

95th percentile per-packet one-way delay: 171.738 ms

Loss rate: 2.02%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-05-22 11:15:28

End at: 2018-05-22 11:15:58

Local clock offset: 0.144 ms

Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-05-22 12:37:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 454.18 Mbit/s

95th percentile per-packet one-way delay: 204.995 ms

Loss rate: 2.27%

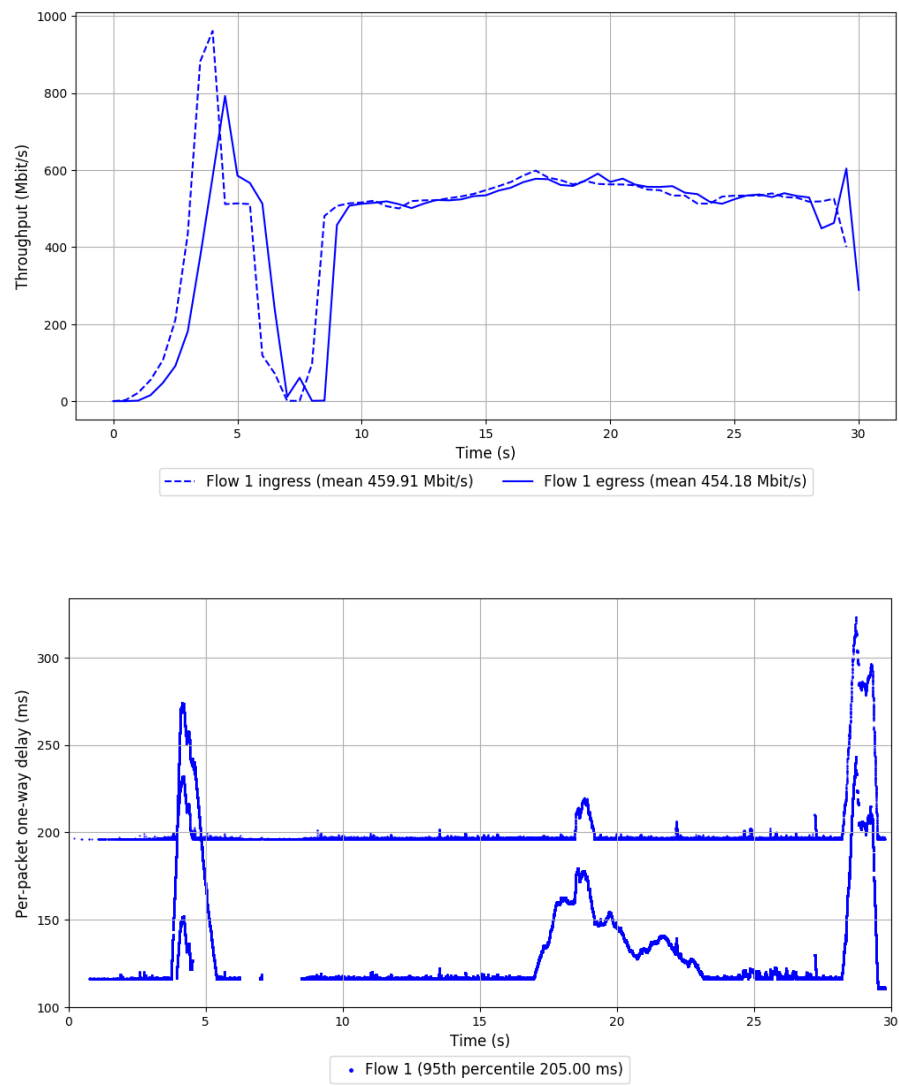
-- Flow 1:

Average throughput: 454.18 Mbit/s

95th percentile per-packet one-way delay: 204.995 ms

Loss rate: 2.27%

Run 9: Report of PCC-Allegro — Data Link

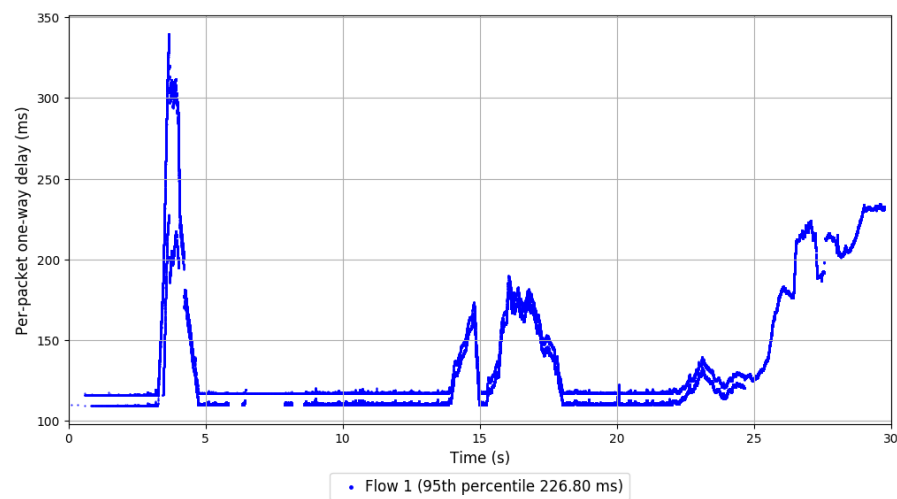
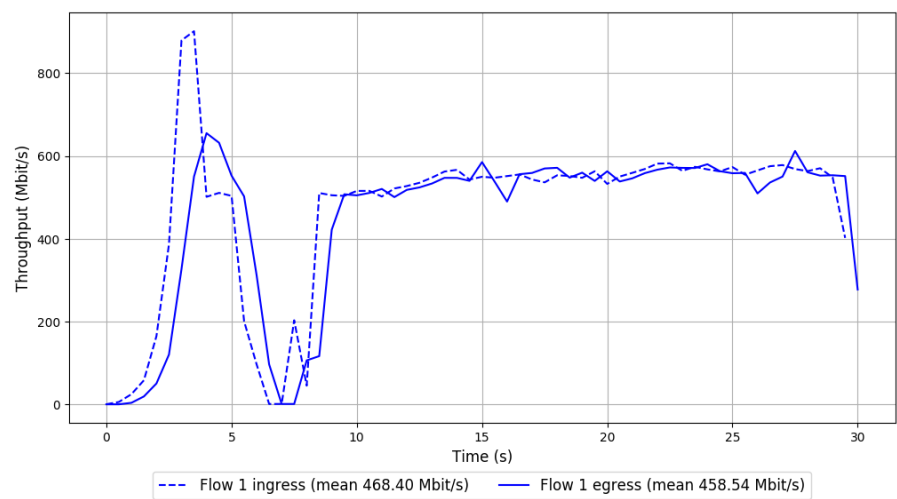


Run 10: Statistics of PCC-Allegro

Start at: 2018-05-22 11:36:13
End at: 2018-05-22 11:36:43
Local clock offset: 0.028 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-05-22 12:37:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 458.54 Mbit/s
95th percentile per-packet one-way delay: 226.796 ms
Loss rate: 2.83%
-- Flow 1:
Average throughput: 458.54 Mbit/s
95th percentile per-packet one-way delay: 226.796 ms
Loss rate: 2.83%

Run 10: Report of PCC-Allegro — Data Link

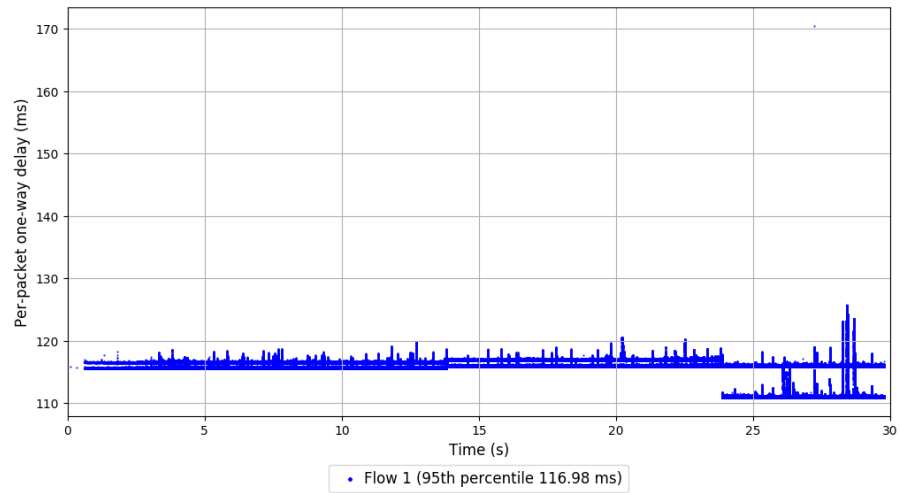
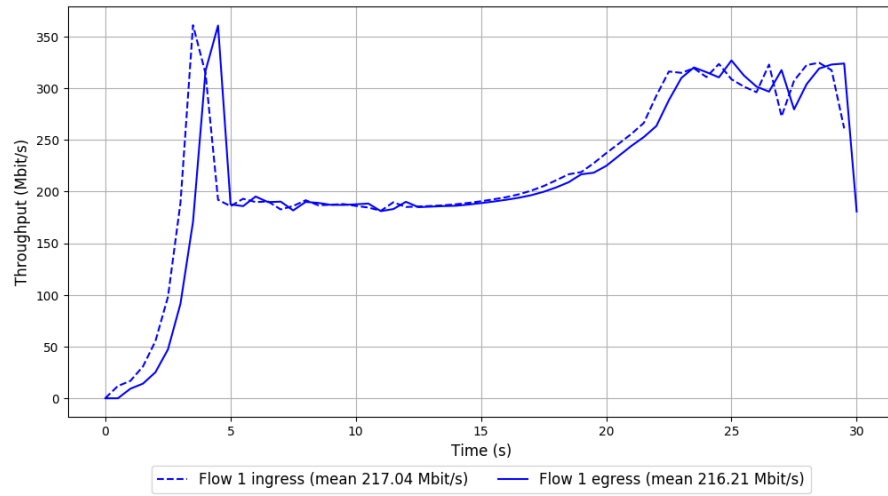


Run 1: Statistics of PCC-Expr

Start at: 2018-05-22 08:30:34
End at: 2018-05-22 08:31:04
Local clock offset: -0.096 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-05-22 12:37:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.21 Mbit/s
95th percentile per-packet one-way delay: 116.981 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 216.21 Mbit/s
95th percentile per-packet one-way delay: 116.981 ms
Loss rate: 1.14%

Run 1: Report of PCC-Expr — Data Link

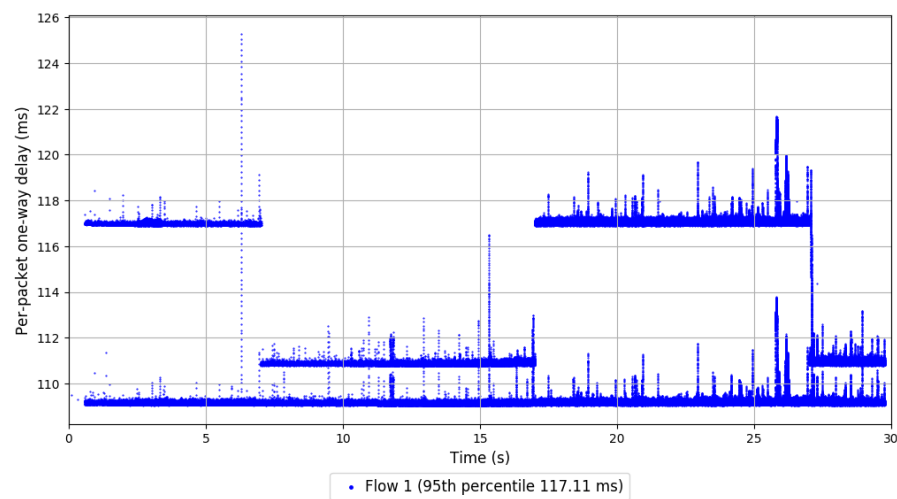
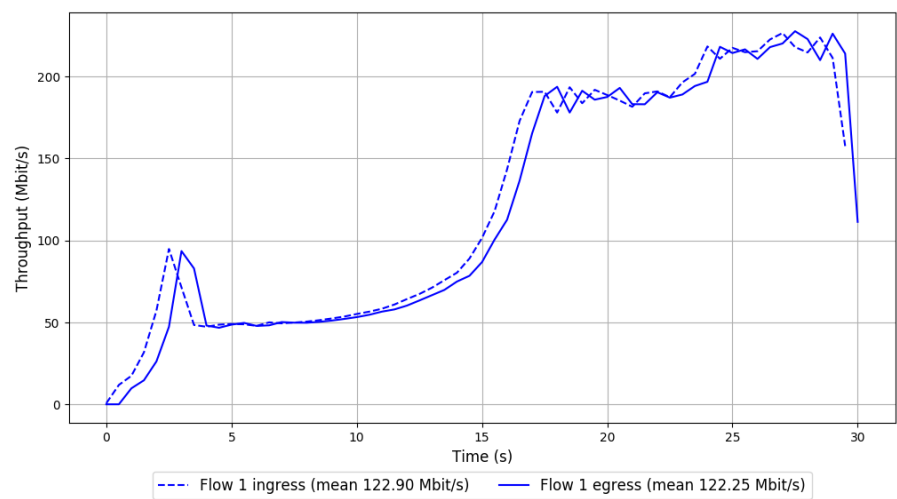


Run 2: Statistics of PCC-Expr

Start at: 2018-05-22 08:51:20
End at: 2018-05-22 08:51:50
Local clock offset: 0.01 ms
Remote clock offset: -0.371 ms

Below is generated by plot.py at 2018-05-22 12:37:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 122.25 Mbit/s
95th percentile per-packet one-way delay: 117.112 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 122.25 Mbit/s
95th percentile per-packet one-way delay: 117.112 ms
Loss rate: 1.26%

Run 2: Report of PCC-Expr — Data Link

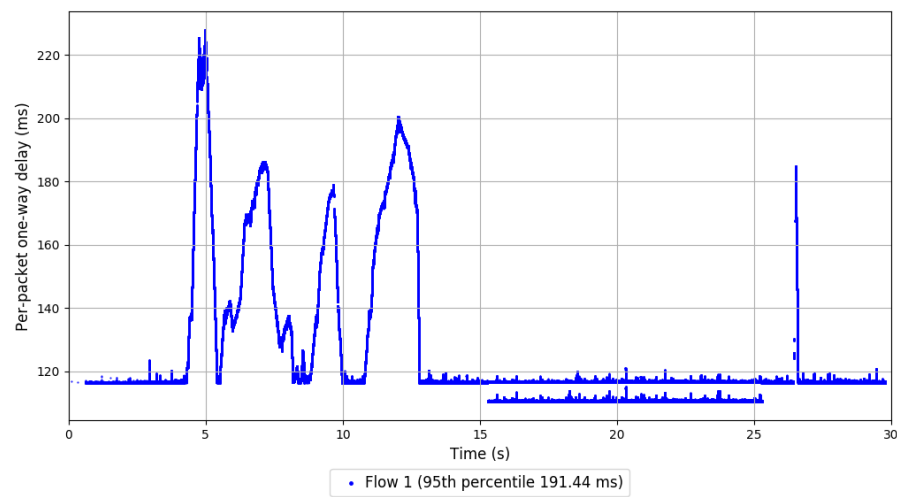
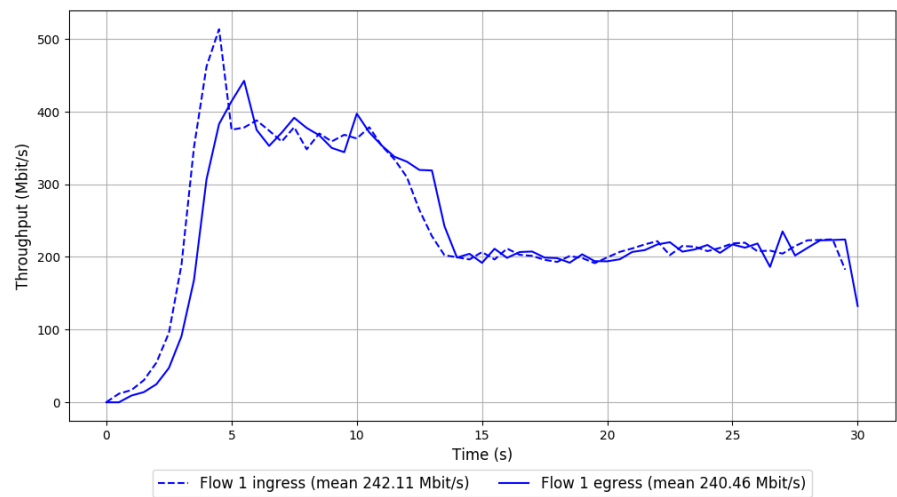


Run 3: Statistics of PCC-Expr

Start at: 2018-05-22 09:12:12
End at: 2018-05-22 09:12:42
Local clock offset: -0.023 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-05-22 12:38:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 240.46 Mbit/s
95th percentile per-packet one-way delay: 191.439 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 240.46 Mbit/s
95th percentile per-packet one-way delay: 191.439 ms
Loss rate: 1.44%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-05-22 09:32:39

End at: 2018-05-22 09:33:09

Local clock offset: -0.01 ms

Remote clock offset: 0.298 ms

Below is generated by plot.py at 2018-05-22 12:38:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.84 Mbit/s

95th percentile per-packet one-way delay: 138.328 ms

Loss rate: 1.24%

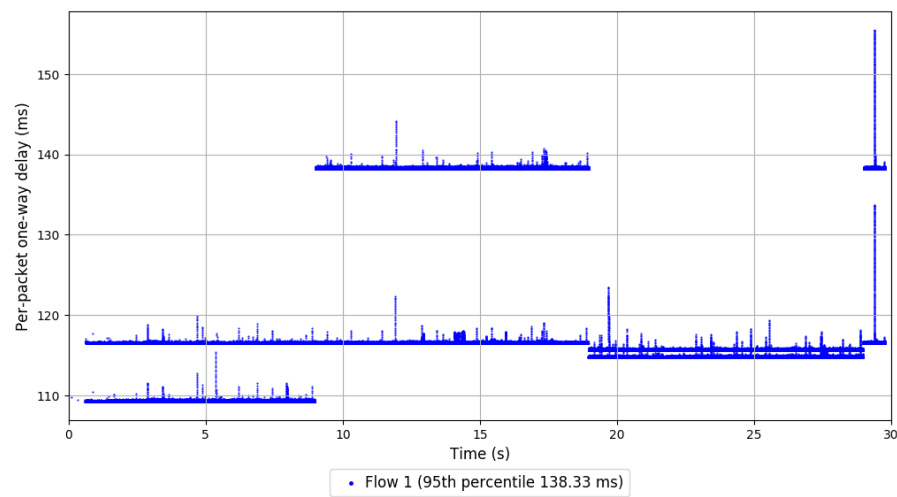
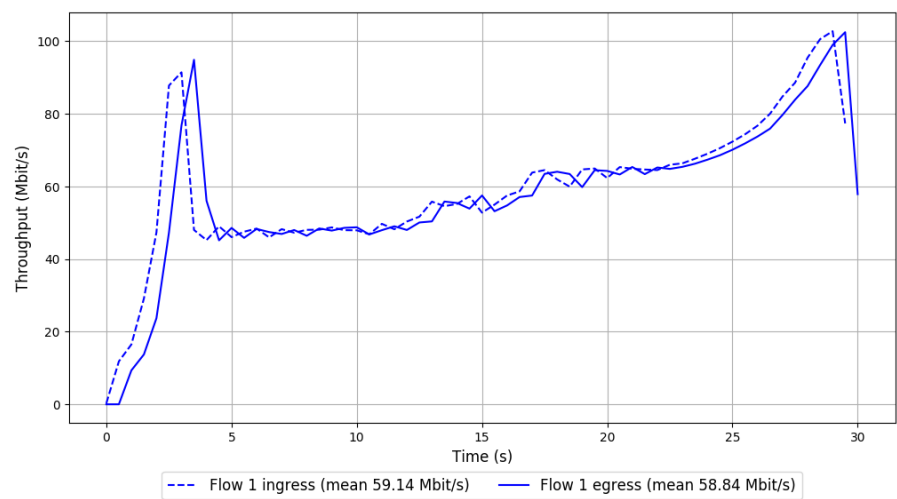
-- Flow 1:

Average throughput: 58.84 Mbit/s

95th percentile per-packet one-way delay: 138.328 ms

Loss rate: 1.24%

Run 4: Report of PCC-Expr — Data Link

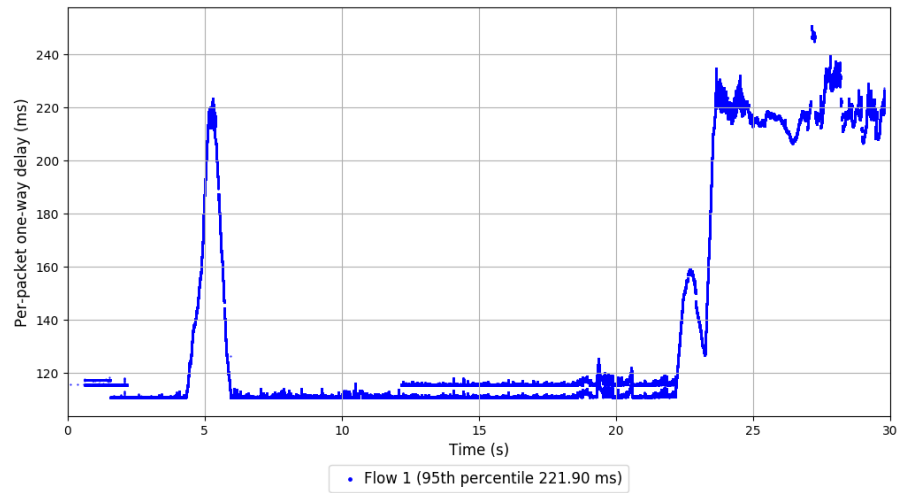
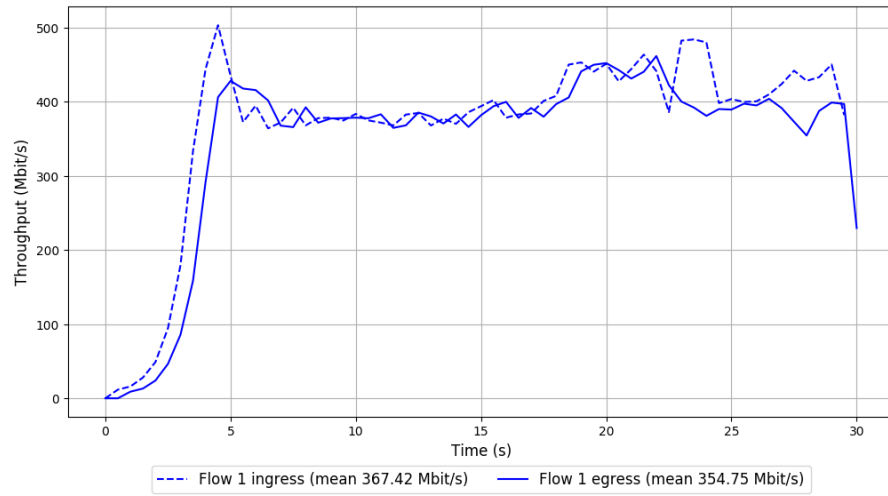


Run 5: Statistics of PCC-Expr

Start at: 2018-05-22 09:53:25
End at: 2018-05-22 09:53:55
Local clock offset: 0.12 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-05-22 12:46:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 354.75 Mbit/s
95th percentile per-packet one-way delay: 221.899 ms
Loss rate: 4.20%
-- Flow 1:
Average throughput: 354.75 Mbit/s
95th percentile per-packet one-way delay: 221.899 ms
Loss rate: 4.20%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-05-22 10:14:58

End at: 2018-05-22 10:15:28

Local clock offset: -0.019 ms

Remote clock offset: 0.365 ms

Below is generated by plot.py at 2018-05-22 12:47:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 348.53 Mbit/s

95th percentile per-packet one-way delay: 248.406 ms

Loss rate: 10.45%

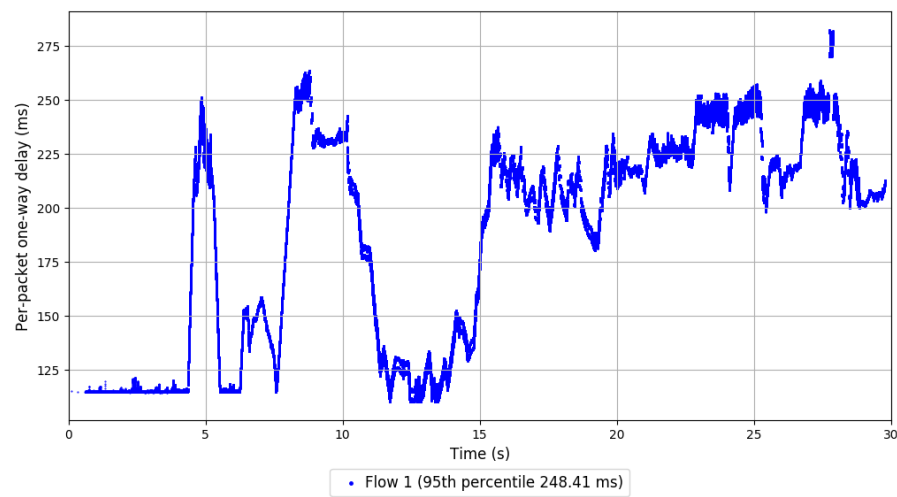
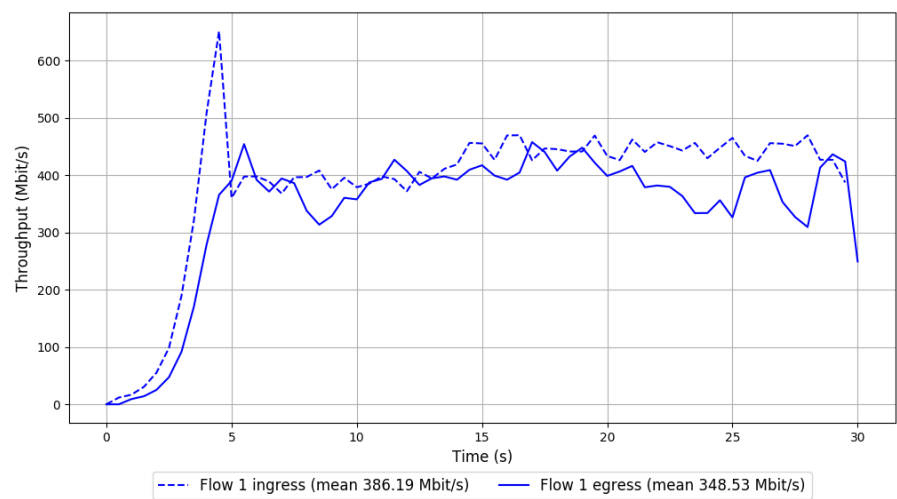
-- Flow 1:

Average throughput: 348.53 Mbit/s

95th percentile per-packet one-way delay: 248.406 ms

Loss rate: 10.45%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-05-22 10:35:35

End at: 2018-05-22 10:36:05

Local clock offset: -0.306 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-05-22 12:47:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 173.89 Mbit/s

95th percentile per-packet one-way delay: 266.675 ms

Loss rate: 9.27%

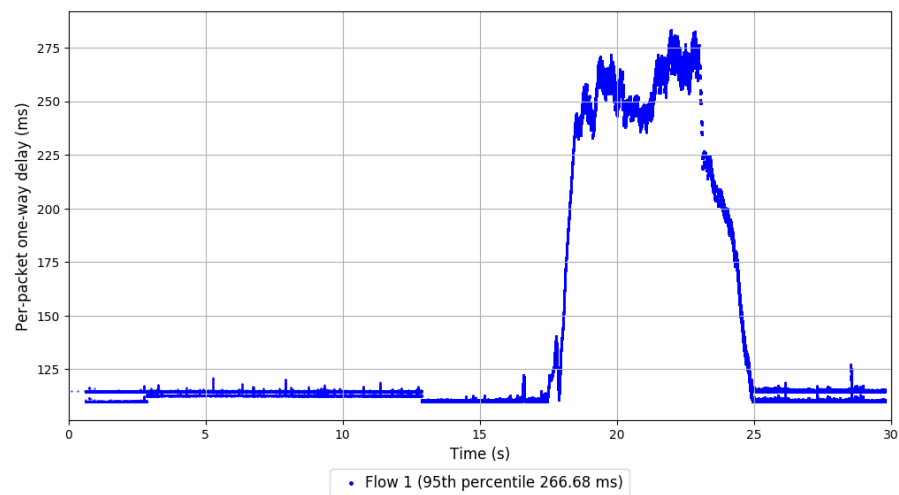
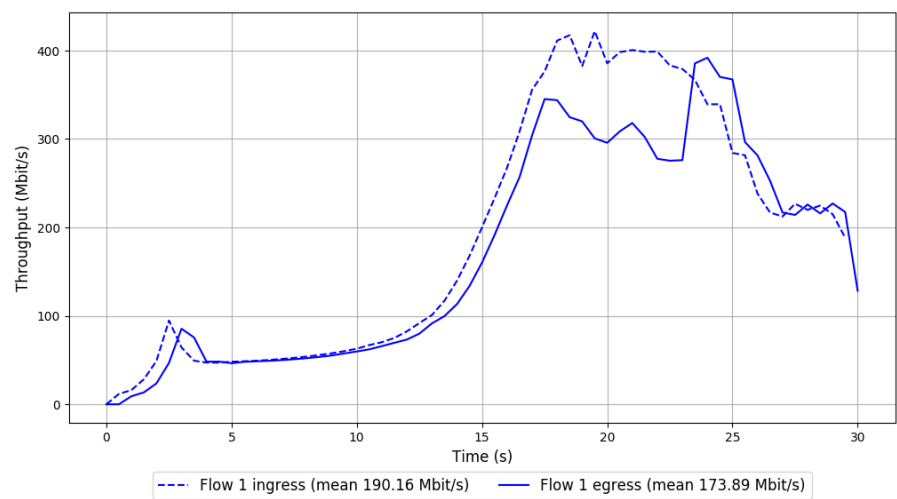
-- Flow 1:

Average throughput: 173.89 Mbit/s

95th percentile per-packet one-way delay: 266.675 ms

Loss rate: 9.27%

Run 7: Report of PCC-Expr — Data Link

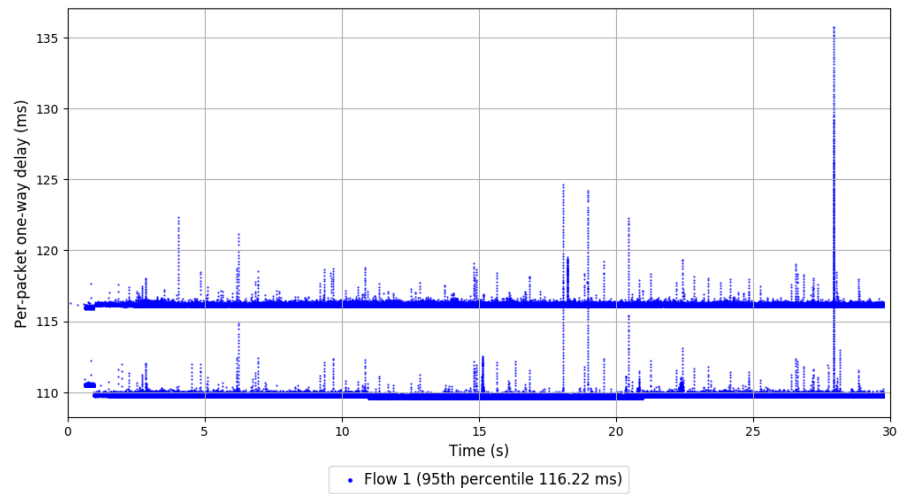
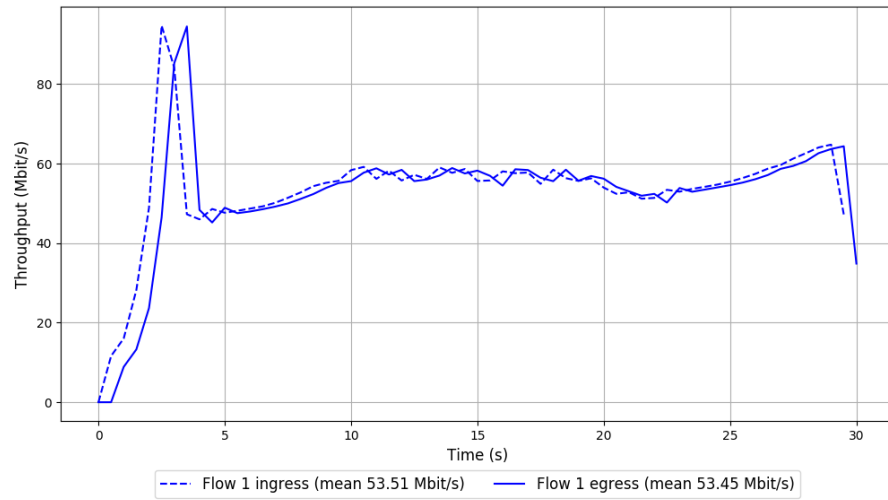


Run 8: Statistics of PCC-Expr

Start at: 2018-05-22 10:56:27
End at: 2018-05-22 10:56:57
Local clock offset: 0.063 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-05-22 12:47:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 53.45 Mbit/s
95th percentile per-packet one-way delay: 116.217 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 53.45 Mbit/s
95th percentile per-packet one-way delay: 116.217 ms
Loss rate: 0.86%

Run 8: Report of PCC-Expr — Data Link

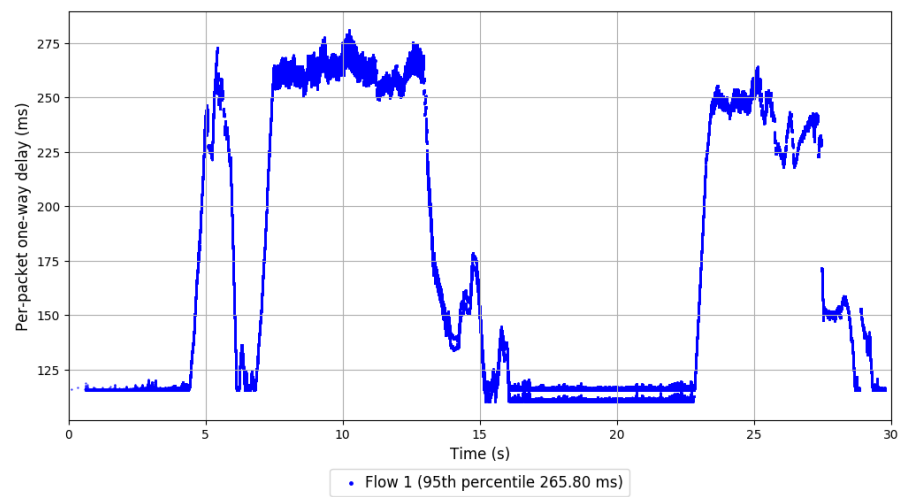
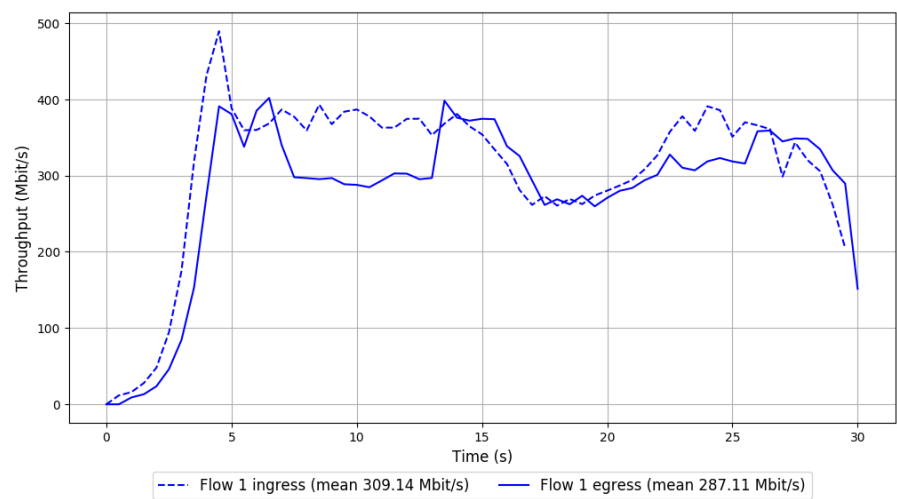


Run 9: Statistics of PCC-Expr

Start at: 2018-05-22 11:16:55
End at: 2018-05-22 11:17:25
Local clock offset: -0.005 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-05-22 12:49:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 287.11 Mbit/s
95th percentile per-packet one-way delay: 265.796 ms
Loss rate: 7.83%
-- Flow 1:
Average throughput: 287.11 Mbit/s
95th percentile per-packet one-way delay: 265.796 ms
Loss rate: 7.83%

Run 9: Report of PCC-Expr — Data Link

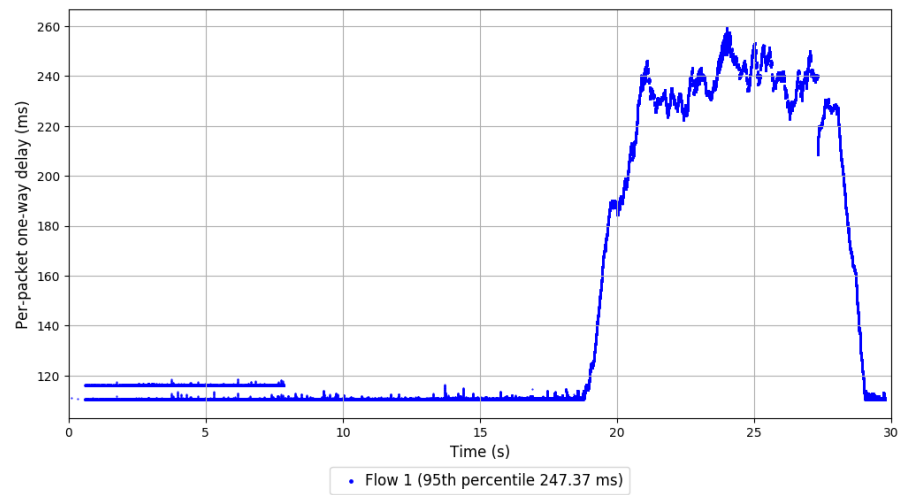
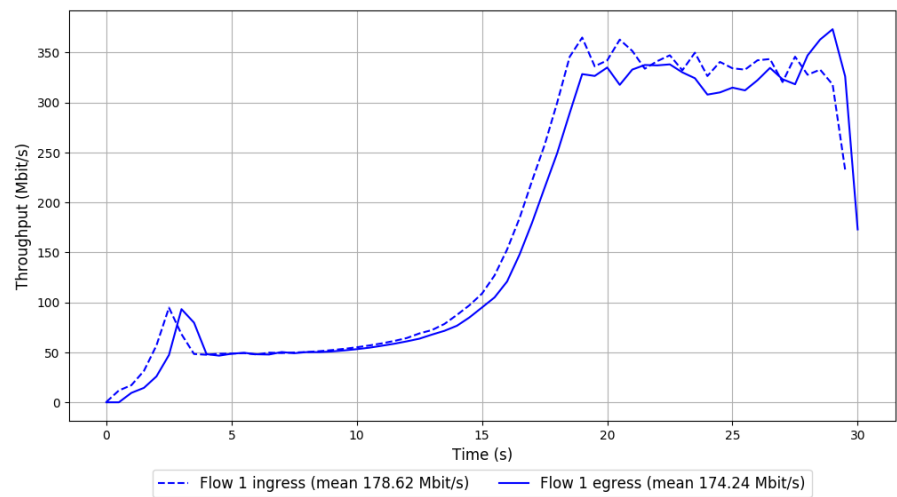


Run 10: Statistics of PCC-Expr

Start at: 2018-05-22 11:37:40
End at: 2018-05-22 11:38:10
Local clock offset: 0.228 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-05-22 12:49:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 174.24 Mbit/s
95th percentile per-packet one-way delay: 247.374 ms
Loss rate: 3.18%
-- Flow 1:
Average throughput: 174.24 Mbit/s
95th percentile per-packet one-way delay: 247.374 ms
Loss rate: 3.18%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

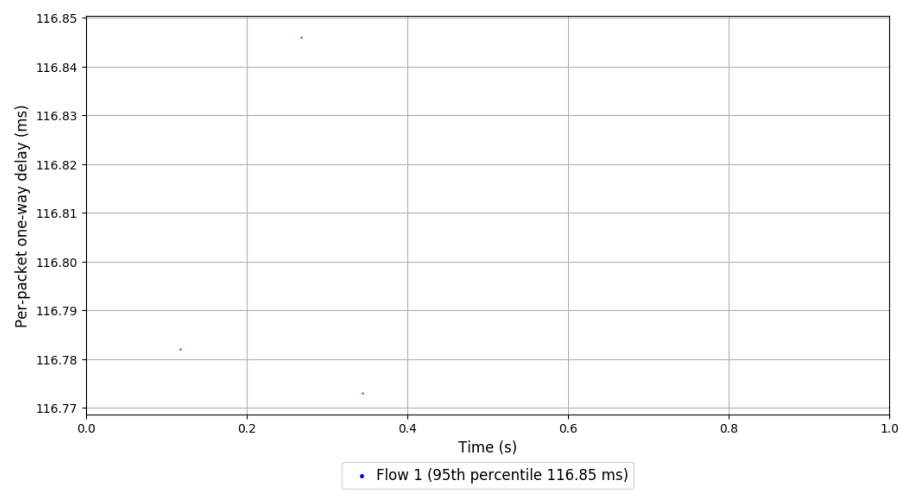
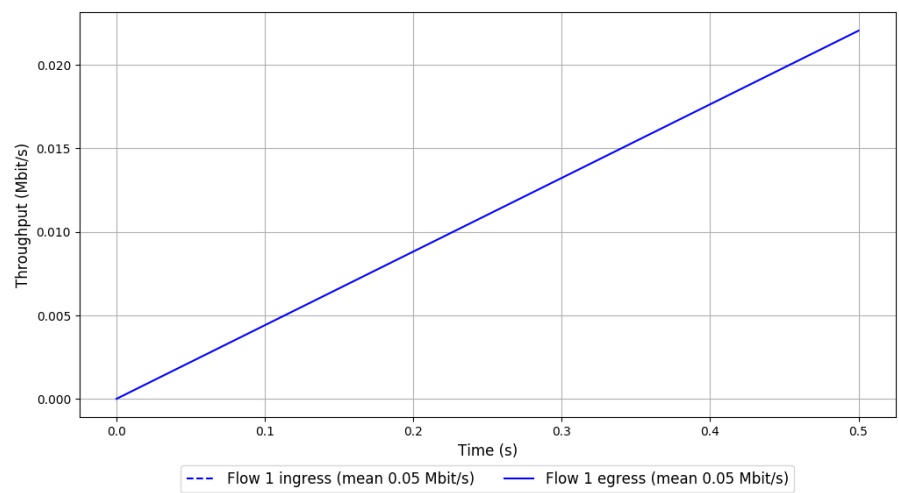
Start at: 2018-05-22 08:32:00

End at: 2018-05-22 08:32:30

Local clock offset: -0.022 ms

Remote clock offset: 0.402 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-05-22 08:52:38

End at: 2018-05-22 08:53:08

Local clock offset: 0.135 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-05-22 12:49:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.07 Mbit/s

95th percentile per-packet one-way delay: 116.969 ms

Loss rate: 1.11%

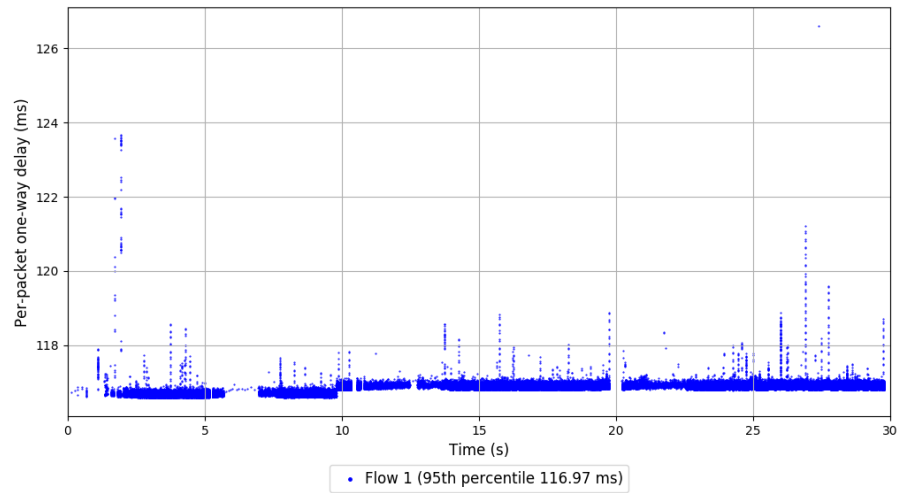
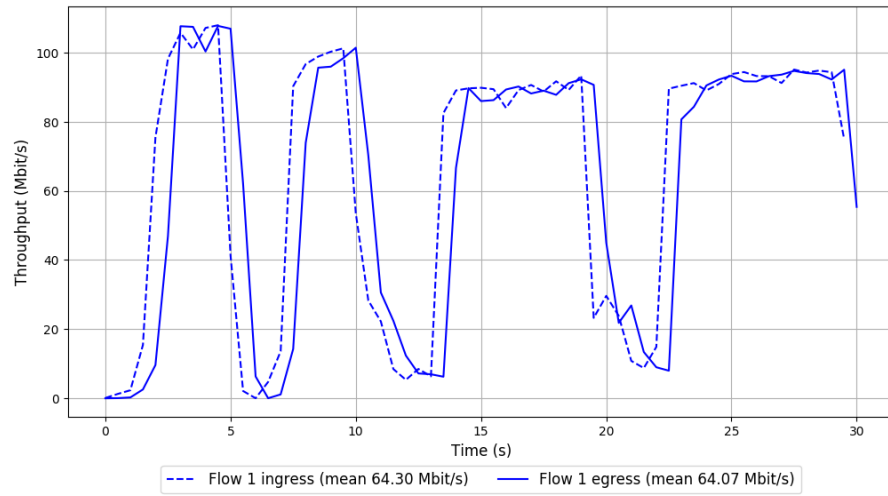
-- Flow 1:

Average throughput: 64.07 Mbit/s

95th percentile per-packet one-way delay: 116.969 ms

Loss rate: 1.11%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-05-22 09:13:42

End at: 2018-05-22 09:14:12

Local clock offset: 0.288 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-05-22 12:49:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.64 Mbit/s

95th percentile per-packet one-way delay: 116.782 ms

Loss rate: 0.98%

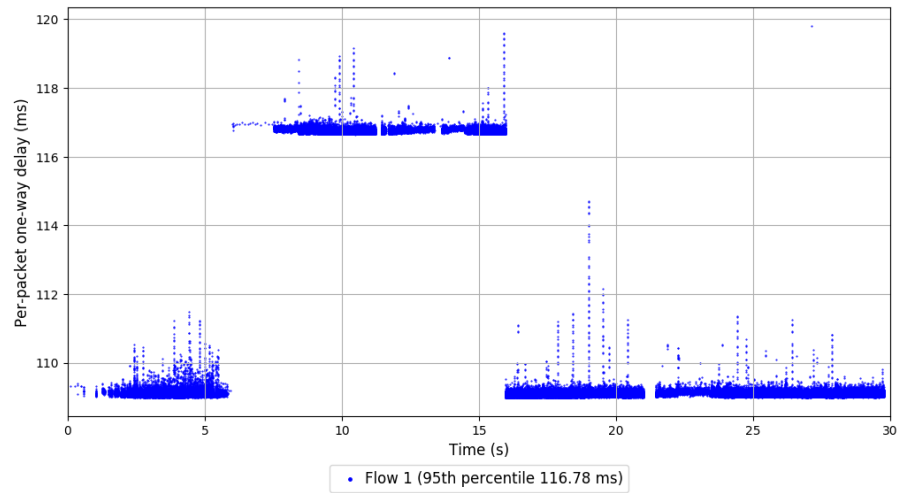
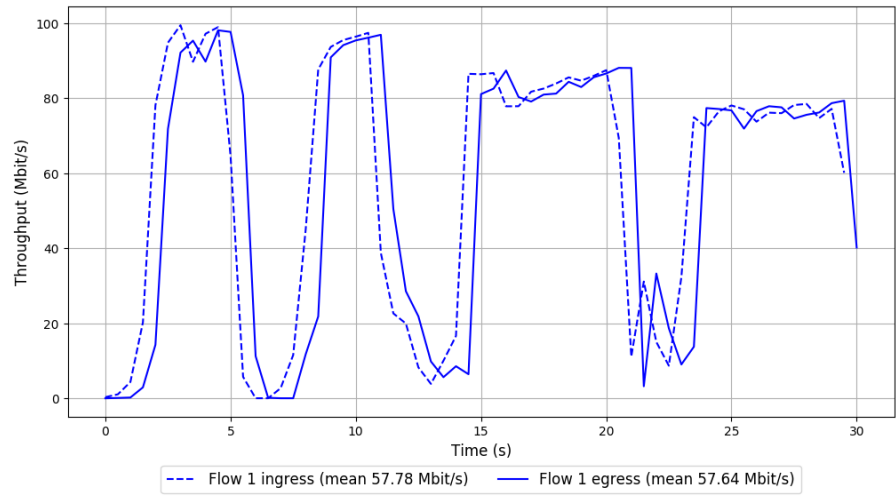
-- Flow 1:

Average throughput: 57.64 Mbit/s

95th percentile per-packet one-way delay: 116.782 ms

Loss rate: 0.98%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-05-22 09:33:52

End at: 2018-05-22 09:34:22

Local clock offset: 0.113 ms

Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-05-22 12:49:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.36 Mbit/s

95th percentile per-packet one-way delay: 116.982 ms

Loss rate: 0.99%

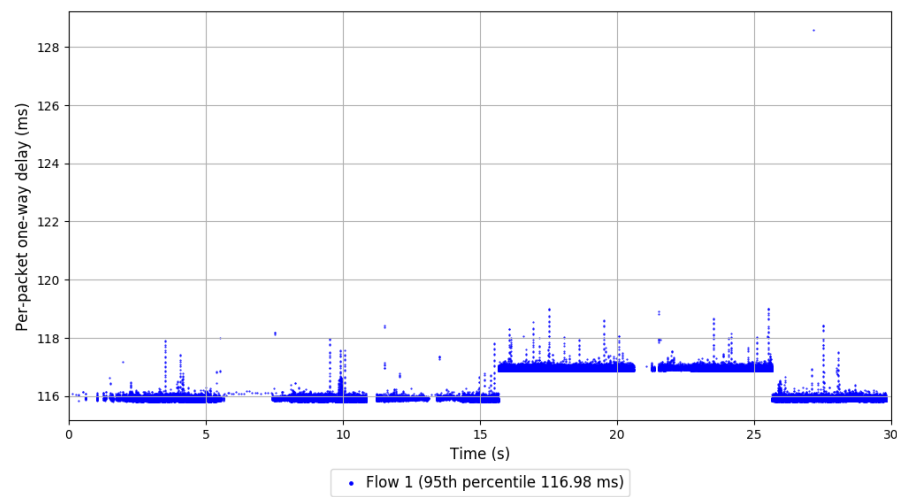
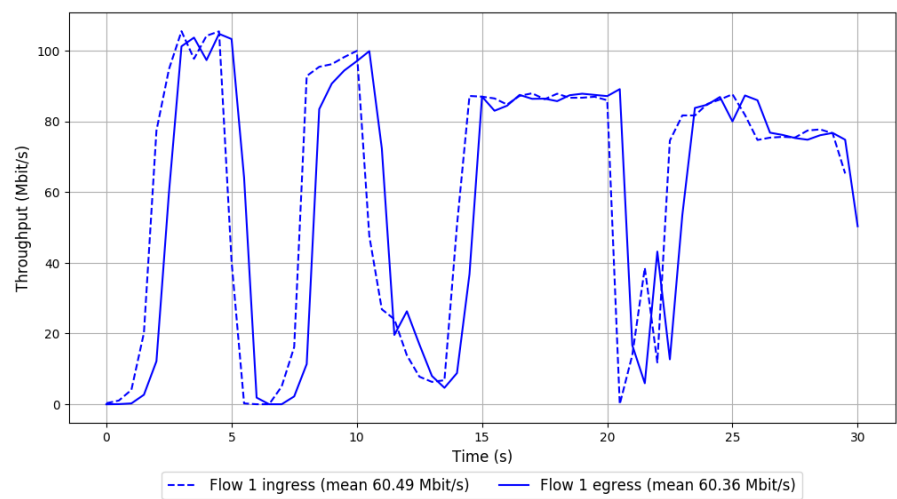
-- Flow 1:

Average throughput: 60.36 Mbit/s

95th percentile per-packet one-way delay: 116.982 ms

Loss rate: 0.99%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-05-22 09:55:07

End at: 2018-05-22 09:55:38

Local clock offset: 0.219 ms

Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-05-22 12:49:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.47 Mbit/s

95th percentile per-packet one-way delay: 117.264 ms

Loss rate: 1.07%

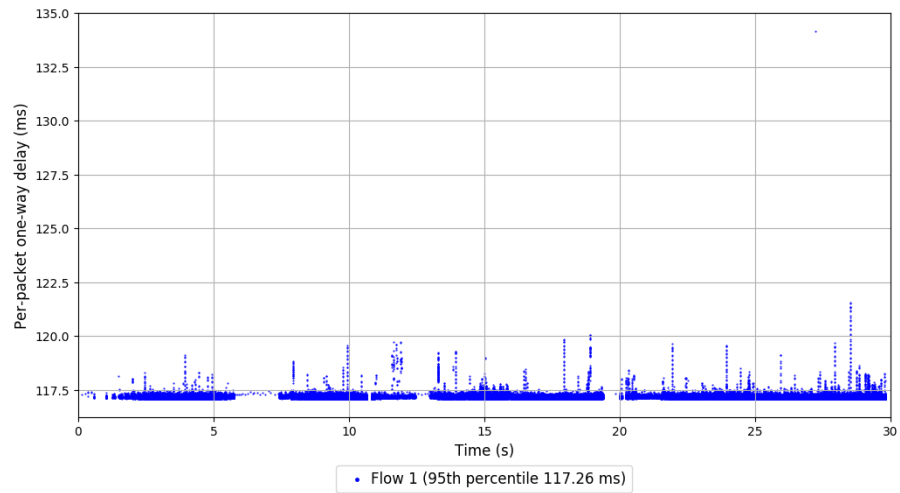
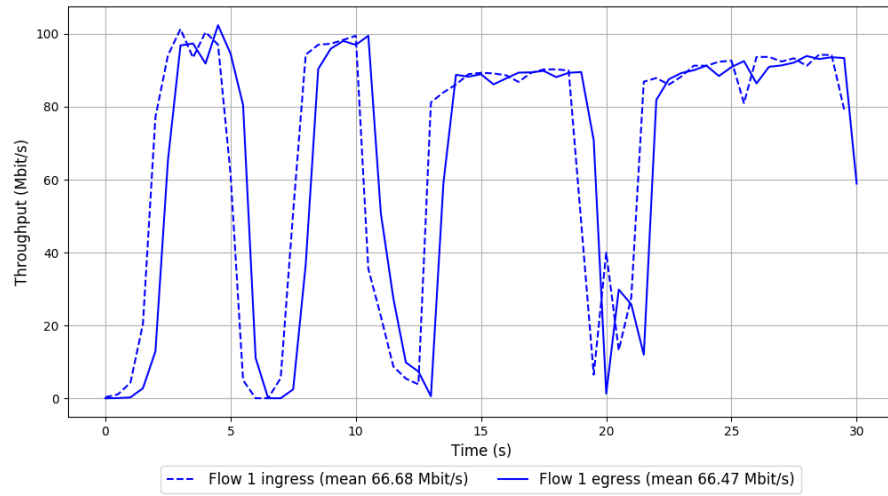
-- Flow 1:

Average throughput: 66.47 Mbit/s

95th percentile per-packet one-way delay: 117.264 ms

Loss rate: 1.07%

Run 5: Report of QUIC Cubic — Data Link

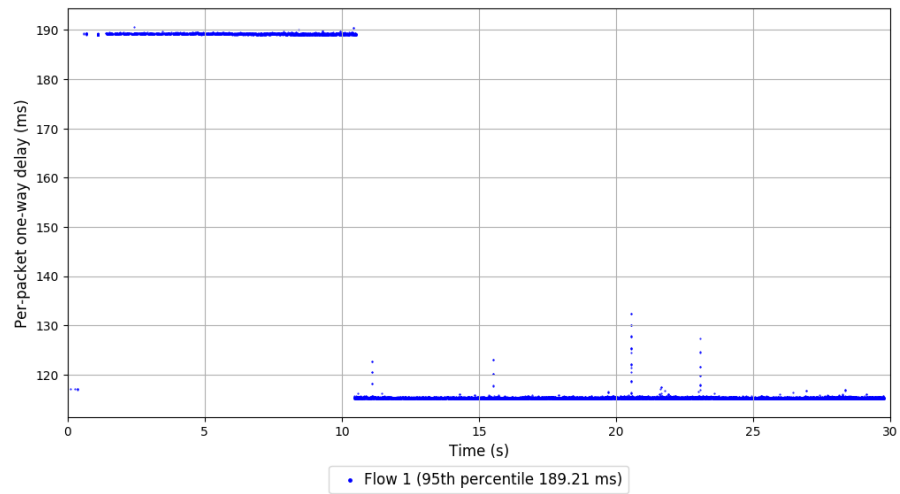
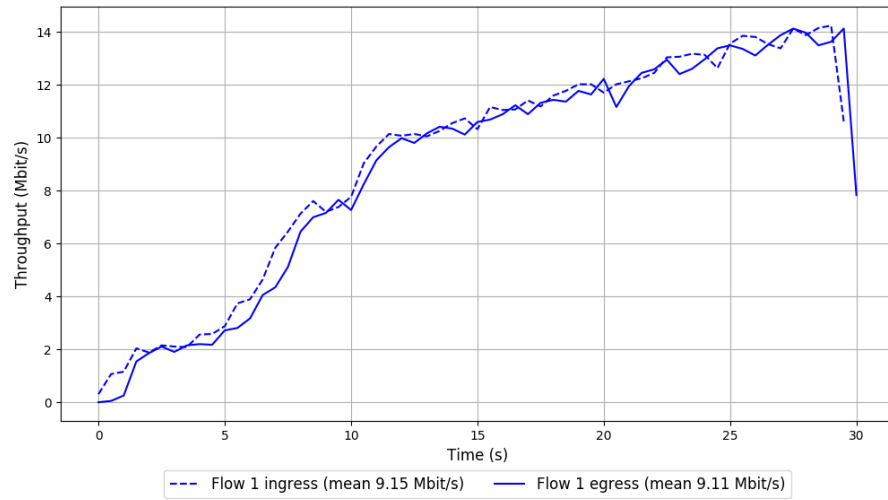


Run 6: Statistics of QUIC Cubic

Start at: 2018-05-22 10:16:37
End at: 2018-05-22 10:17:07
Local clock offset: -0.037 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-05-22 12:49:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.11 Mbit/s
95th percentile per-packet one-way delay: 189.205 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 9.11 Mbit/s
95th percentile per-packet one-way delay: 189.205 ms
Loss rate: 1.20%

Run 6: Report of QUIC Cubic — Data Link

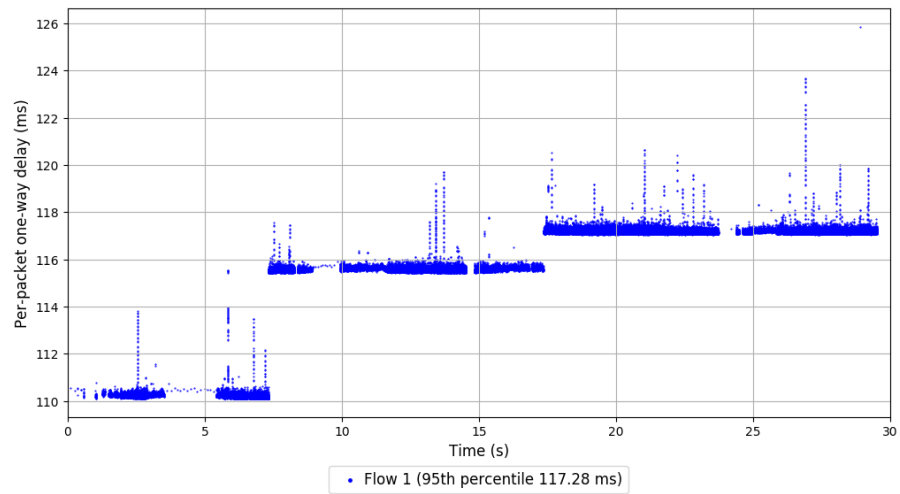
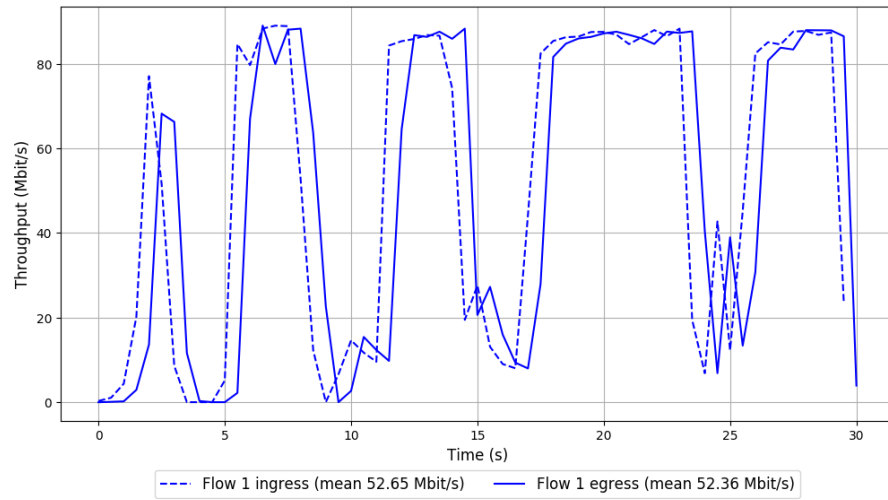


Run 7: Statistics of QUIC Cubic

Start at: 2018-05-22 10:37:00
End at: 2018-05-22 10:37:30
Local clock offset: 0.215 ms
Remote clock offset: -0.337 ms

Below is generated by plot.py at 2018-05-22 12:49:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 52.36 Mbit/s
95th percentile per-packet one-way delay: 117.278 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 52.36 Mbit/s
95th percentile per-packet one-way delay: 117.278 ms
Loss rate: 1.30%

Run 7: Report of QUIC Cubic — Data Link

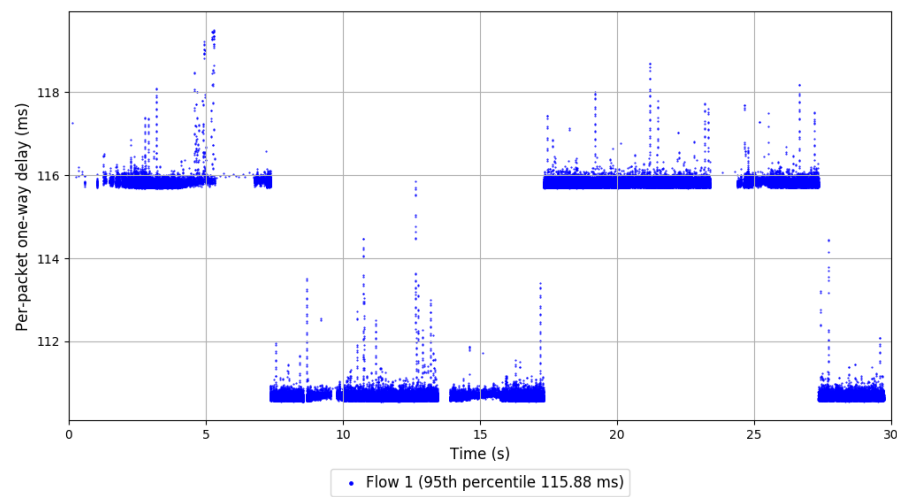
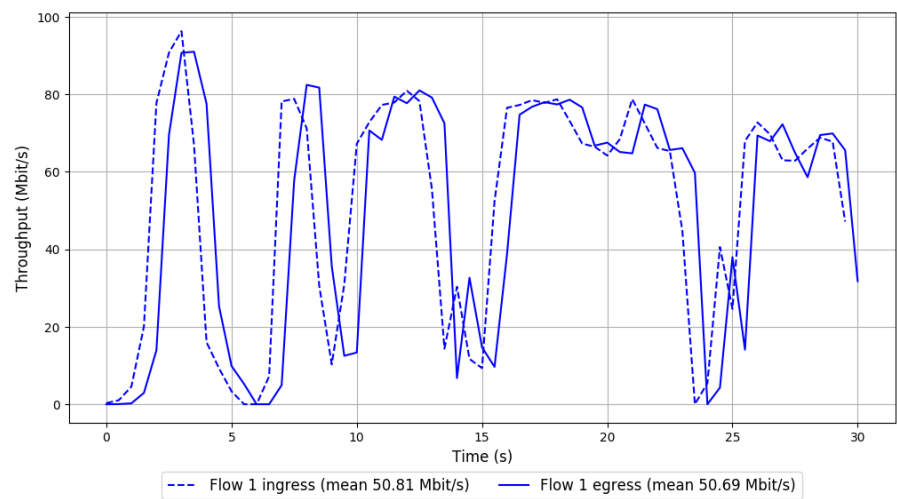


Run 8: Statistics of QUIC Cubic

Start at: 2018-05-22 10:57:40
End at: 2018-05-22 10:58:10
Local clock offset: 0.095 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-05-22 12:49:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.69 Mbit/s
95th percentile per-packet one-way delay: 115.881 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 50.69 Mbit/s
95th percentile per-packet one-way delay: 115.881 ms
Loss rate: 1.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-05-22 11:18:29

End at: 2018-05-22 11:18:59

Local clock offset: 0.379 ms

Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-05-22 12:49:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.03 Mbit/s

95th percentile per-packet one-way delay: 117.097 ms

Loss rate: 1.23%

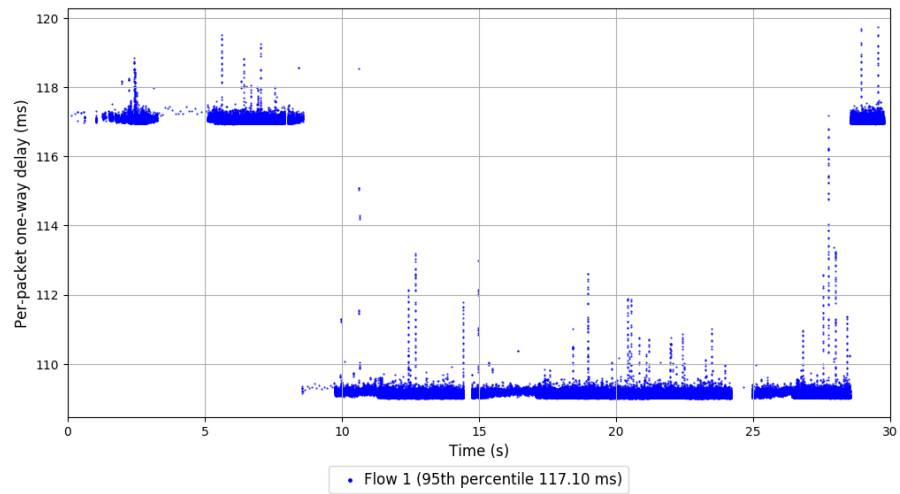
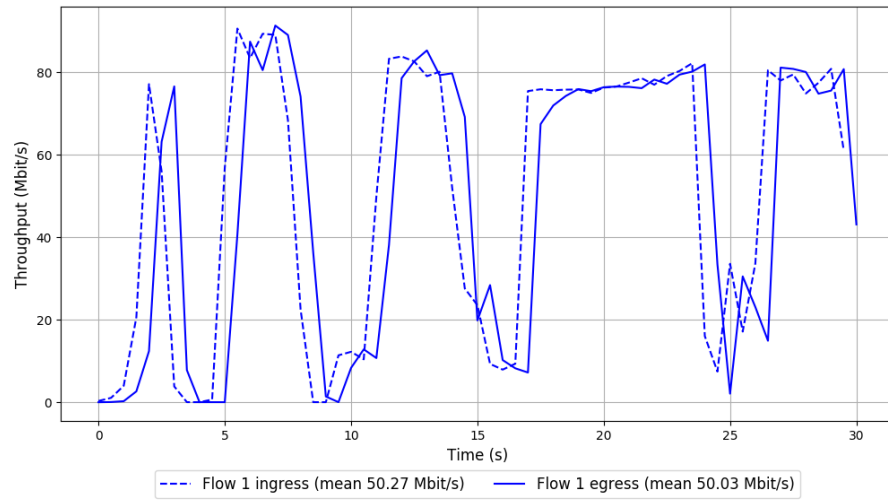
-- Flow 1:

Average throughput: 50.03 Mbit/s

95th percentile per-packet one-way delay: 117.097 ms

Loss rate: 1.23%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-05-22 11:39:05

End at: 2018-05-22 11:39:35

Local clock offset: 0.143 ms

Remote clock offset: -0.0 ms

Below is generated by plot.py at 2018-05-22 12:49:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.44 Mbit/s

95th percentile per-packet one-way delay: 115.826 ms

Loss rate: 1.30%

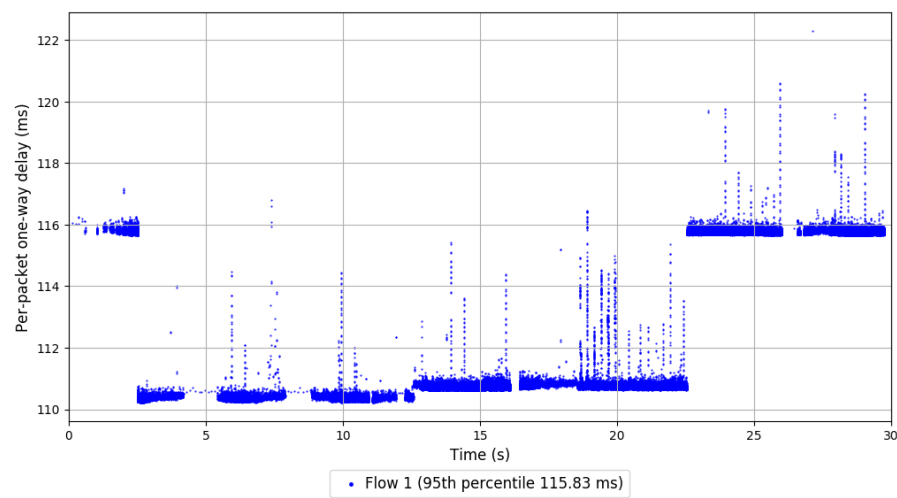
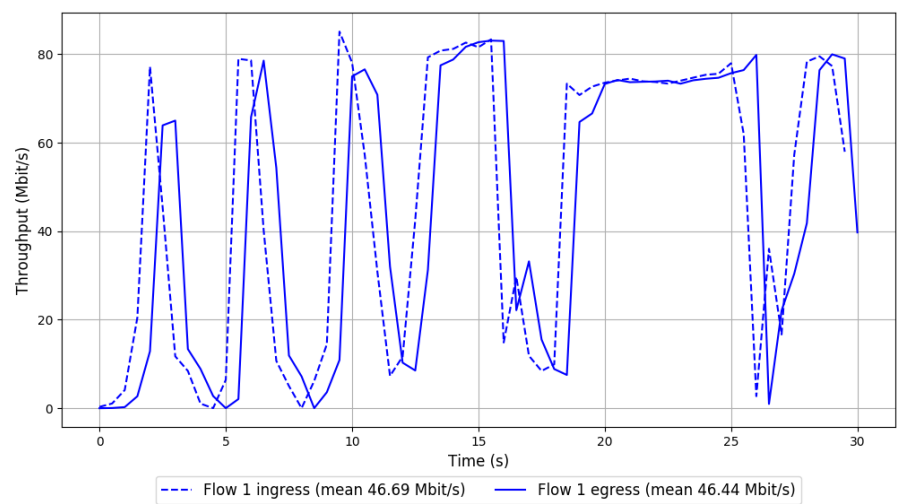
-- Flow 1:

Average throughput: 46.44 Mbit/s

95th percentile per-packet one-way delay: 115.826 ms

Loss rate: 1.30%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2018-05-22 08:20:16

End at: 2018-05-22 08:20:46

Local clock offset: -0.013 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-05-22 12:49:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 116.895 ms

Loss rate: 0.76%

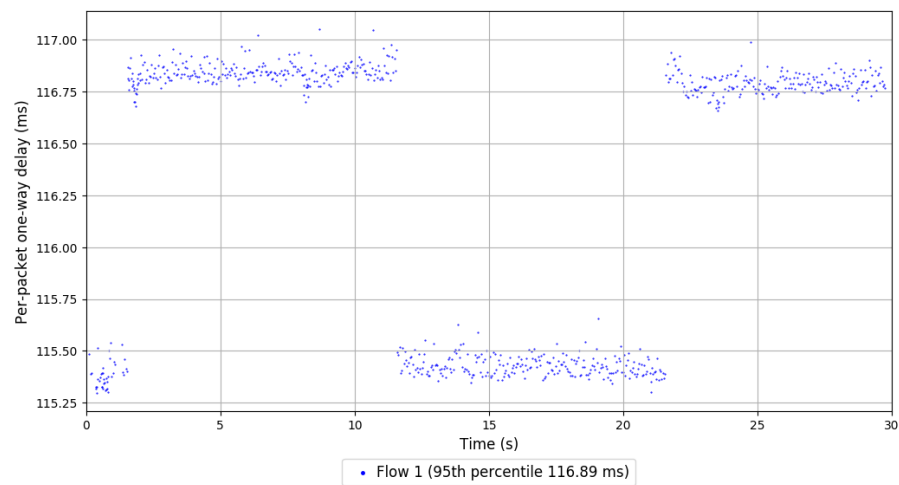
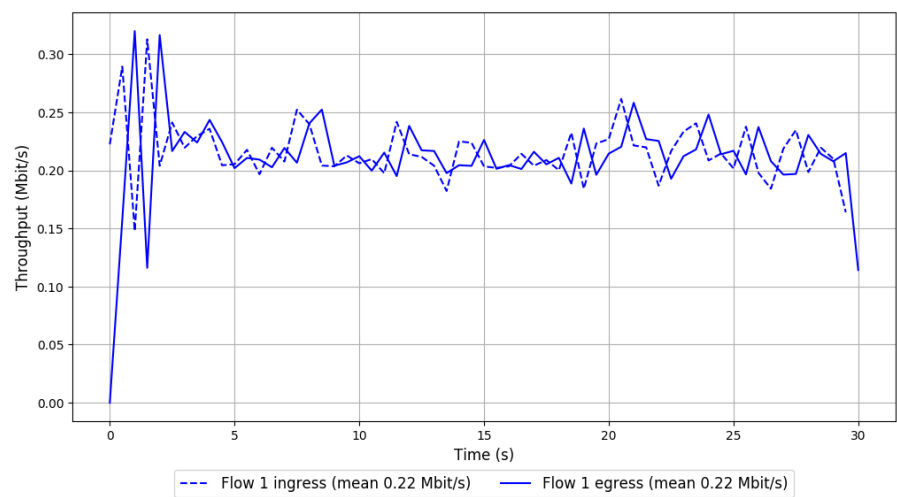
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 116.895 ms

Loss rate: 0.76%

Run 1: Report of SReAM — Data Link

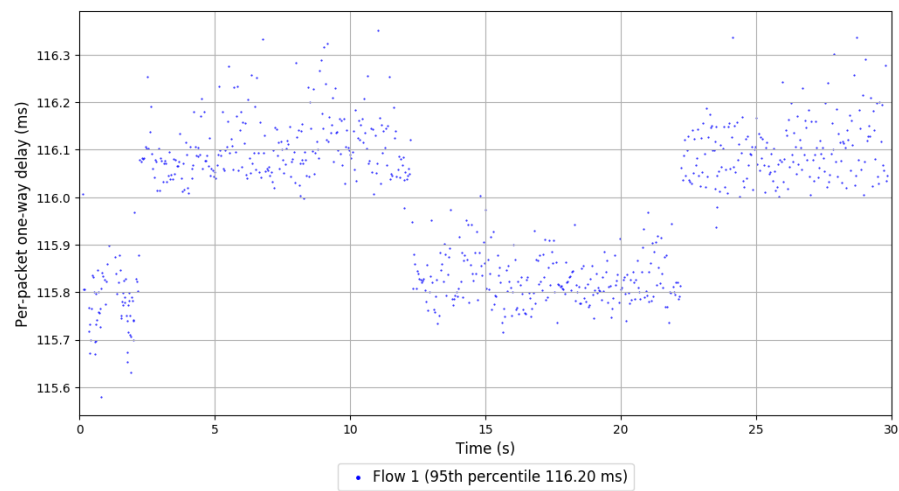
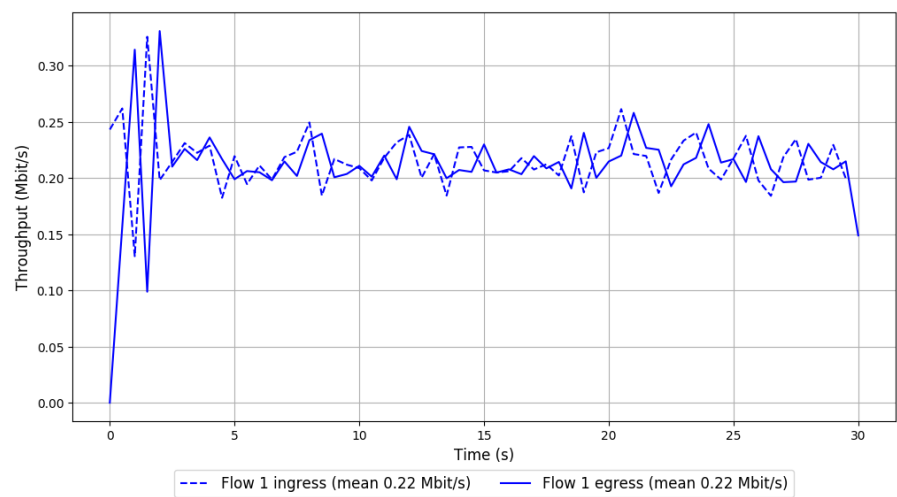


Run 2: Statistics of SCReAM

Start at: 2018-05-22 08:40:55
End at: 2018-05-22 08:41:25
Local clock offset: -0.258 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-05-22 12:49:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 116.199 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 116.199 ms
Loss rate: 0.77%

Run 2: Report of SReAM — Data Link

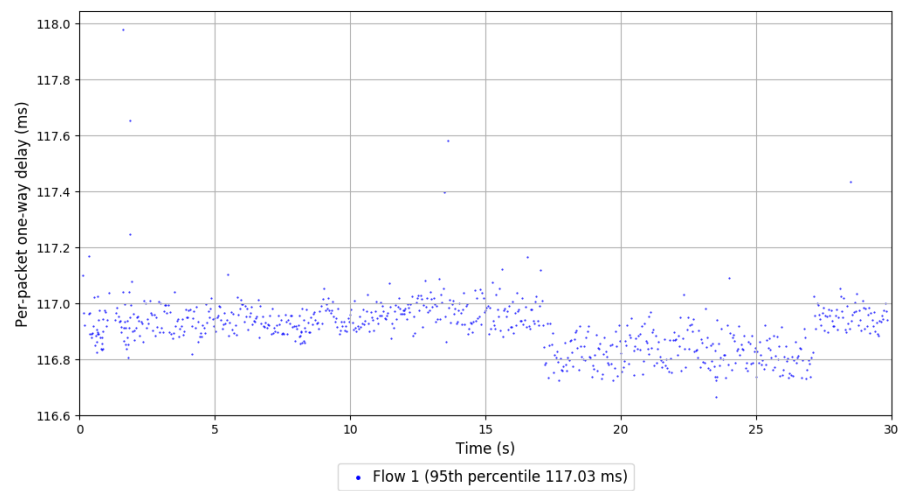
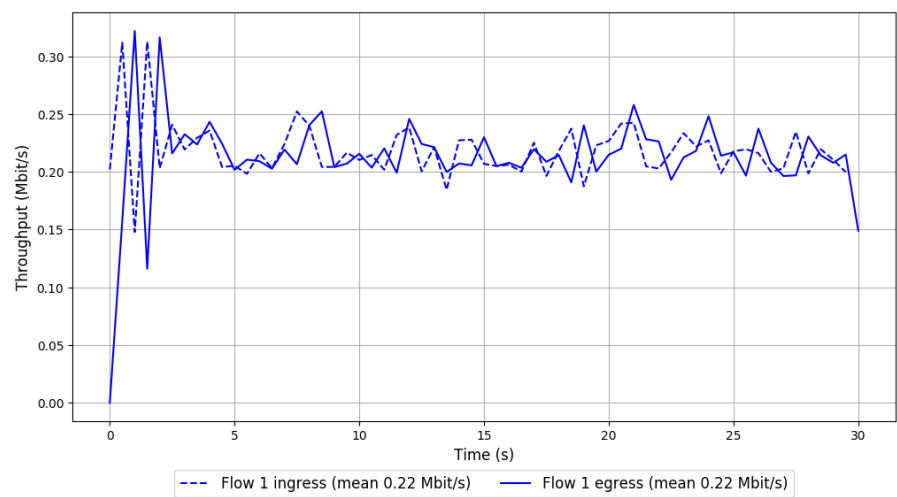


Run 3: Statistics of SCReAM

Start at: 2018-05-22 09:01:40
End at: 2018-05-22 09:02:10
Local clock offset: 0.051 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-05-22 12:49:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 117.026 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 117.026 ms
Loss rate: 0.77%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-05-22 09:22:19

End at: 2018-05-22 09:22:49

Local clock offset: -0.085 ms

Remote clock offset: 0.323 ms

Below is generated by plot.py at 2018-05-22 12:49:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 110.658 ms

Loss rate: 0.73%

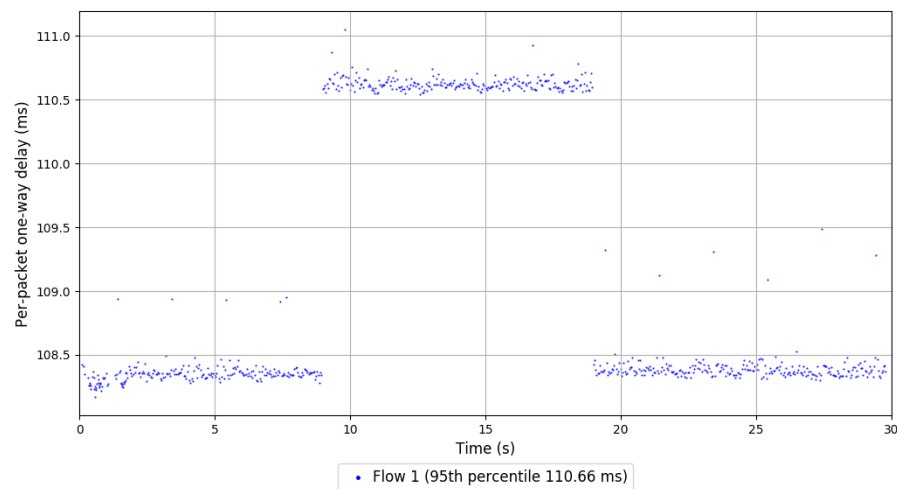
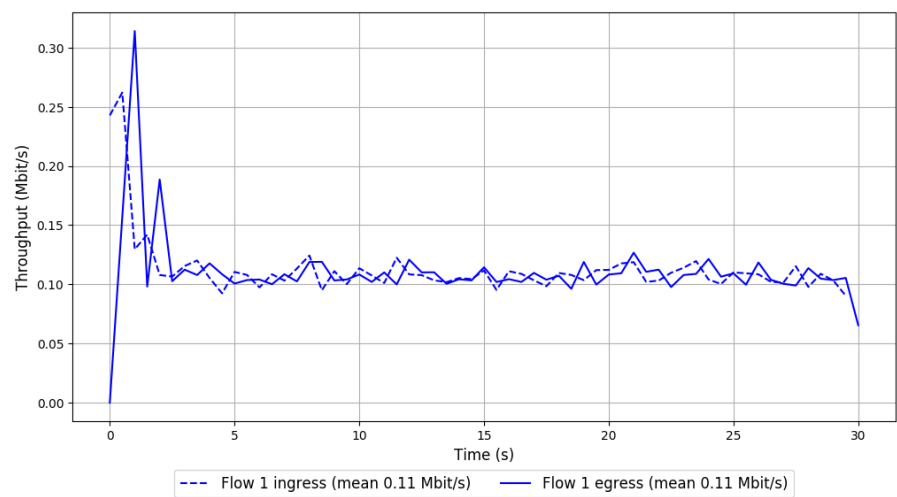
-- Flow 1:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 110.658 ms

Loss rate: 0.73%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-05-22 09:42:53

End at: 2018-05-22 09:43:23

Local clock offset: 0.326 ms

Remote clock offset: 0.26 ms

Below is generated by plot.py at 2018-05-22 12:49:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 117.127 ms

Loss rate: 0.76%

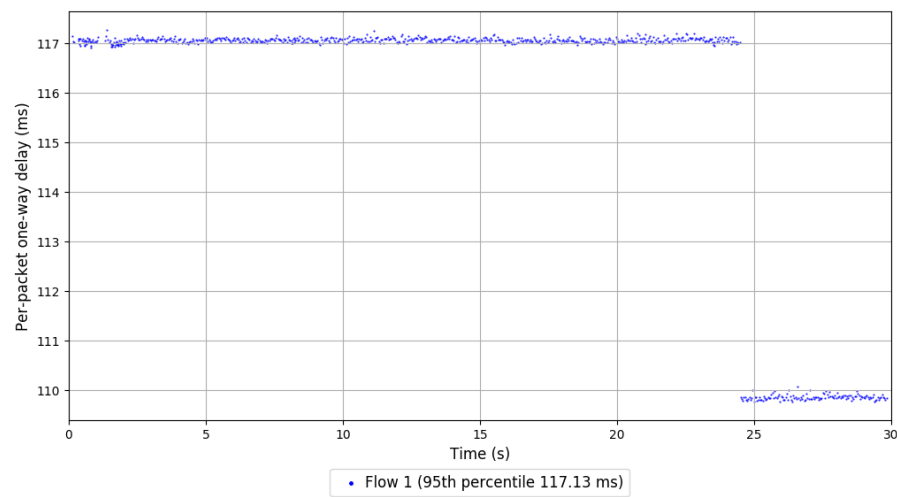
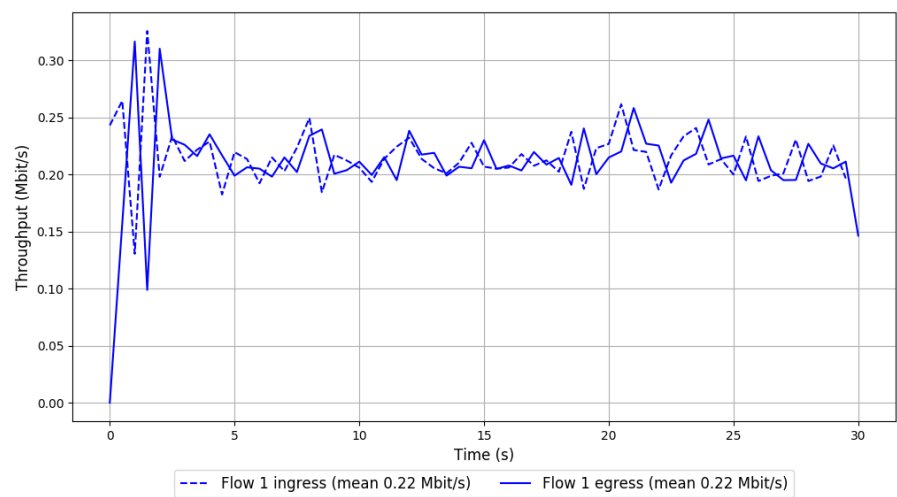
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 117.127 ms

Loss rate: 0.76%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-05-22 10:04:17

End at: 2018-05-22 10:04:47

Local clock offset: -0.202 ms

Remote clock offset: 0.361 ms

Below is generated by plot.py at 2018-05-22 12:49:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 109.460 ms

Loss rate: 0.76%

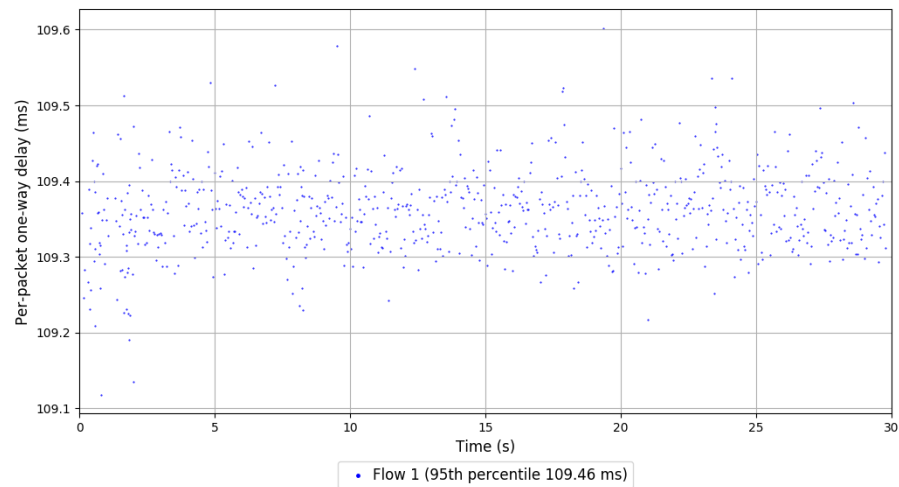
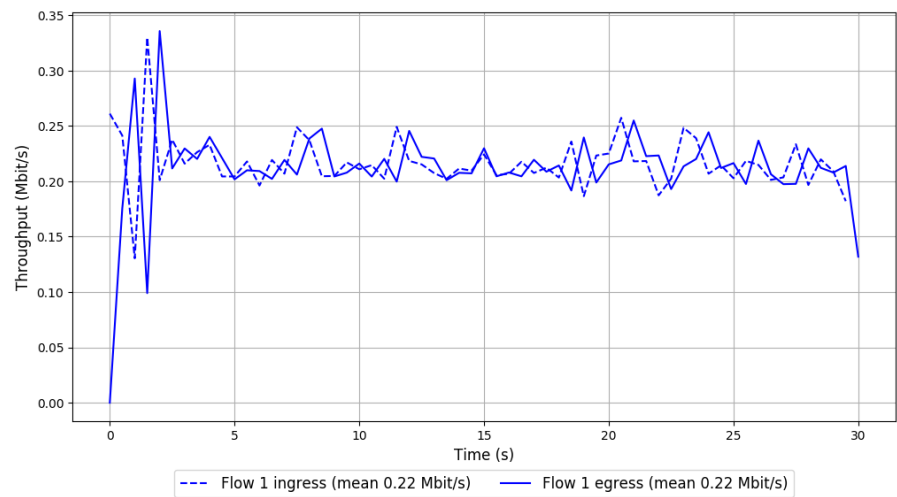
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 109.460 ms

Loss rate: 0.76%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-05-22 10:25:19

End at: 2018-05-22 10:25:49

Local clock offset: 0.147 ms

Remote clock offset: -0.34 ms

Below is generated by plot.py at 2018-05-22 12:49:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 196.850 ms

Loss rate: 0.49%

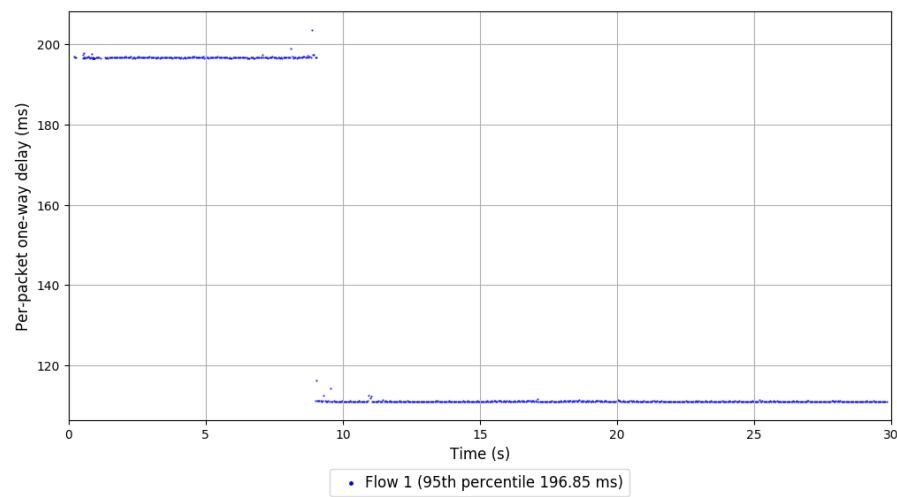
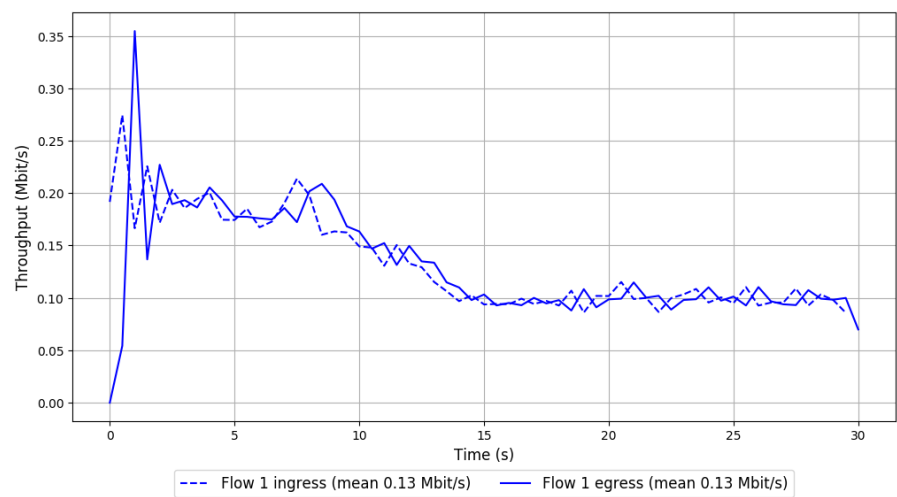
-- Flow 1:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 196.850 ms

Loss rate: 0.49%

Run 7: Report of SReAM — Data Link

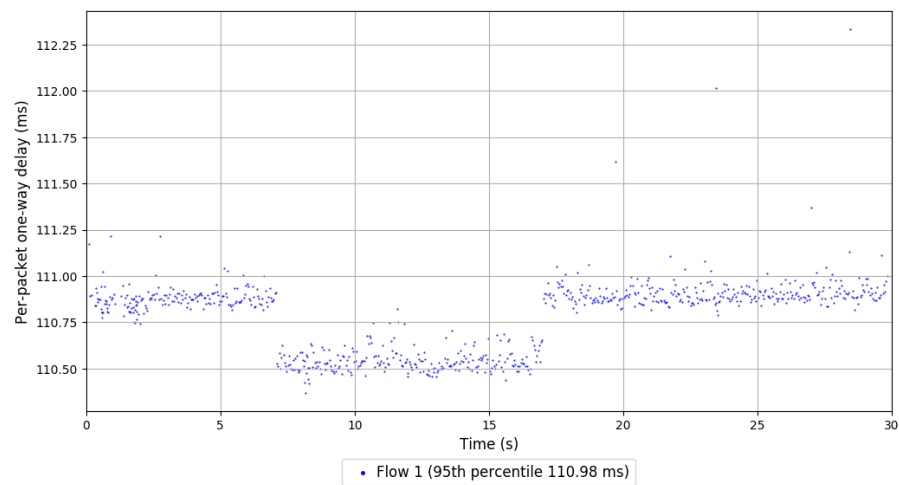
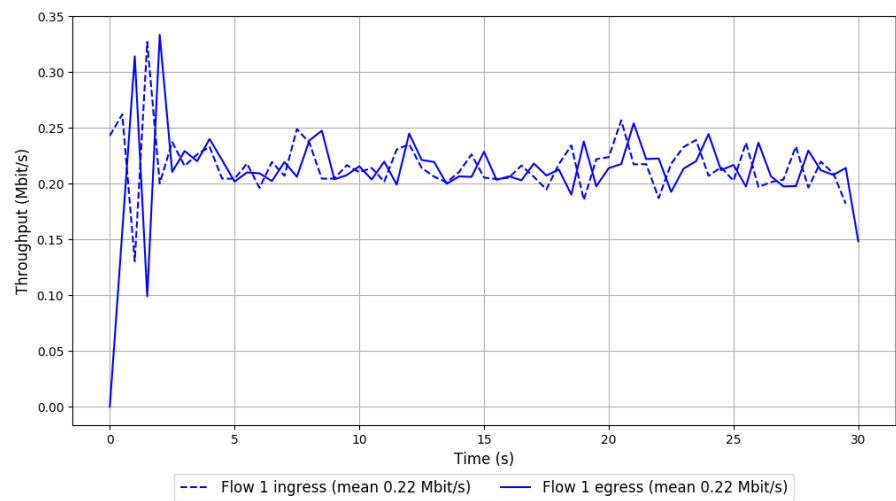


Run 8: Statistics of SCReAM

Start at: 2018-05-22 10:45:51
End at: 2018-05-22 10:46:21
Local clock offset: 0.039 ms
Remote clock offset: -0.414 ms

Below is generated by plot.py at 2018-05-22 12:49:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.976 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.976 ms
Loss rate: 0.64%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-05-22 11:06:42

End at: 2018-05-22 11:07:12

Local clock offset: 0.069 ms

Remote clock offset: 0.306 ms

Below is generated by plot.py at 2018-05-22 12:49:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 110.553 ms

Loss rate: 0.79%

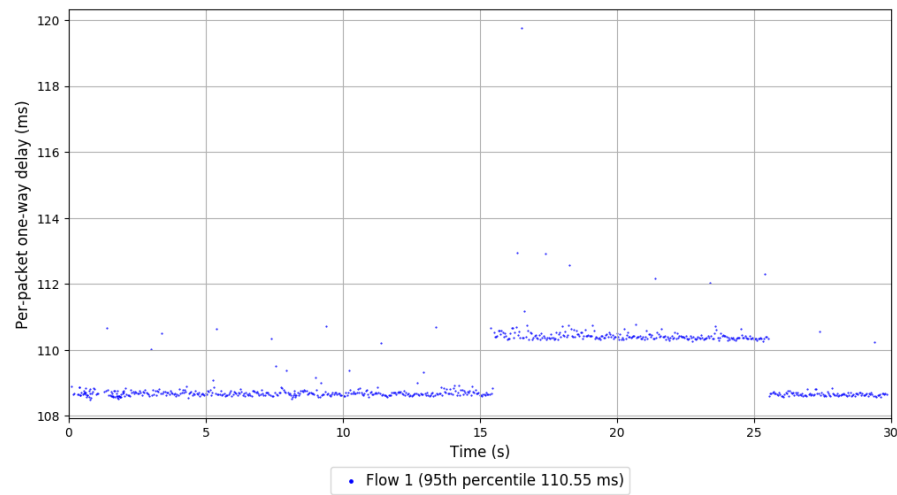
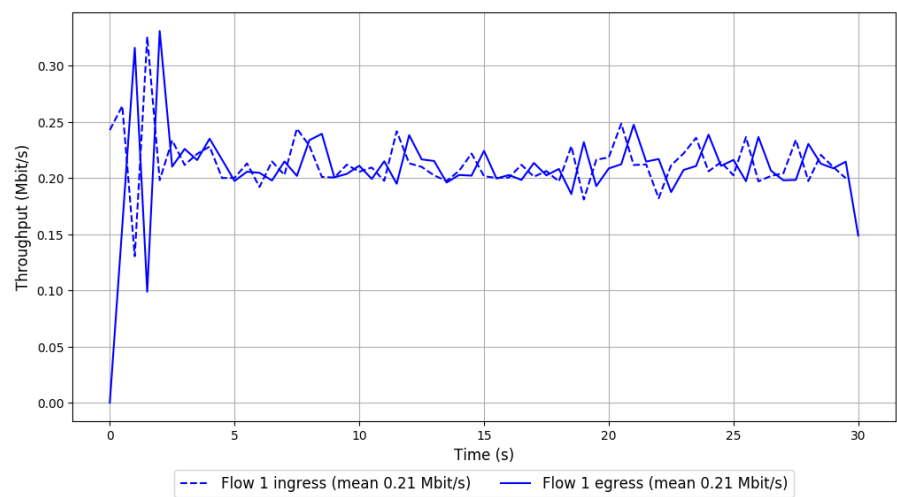
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 110.553 ms

Loss rate: 0.79%

Run 9: Report of SReAM — Data Link

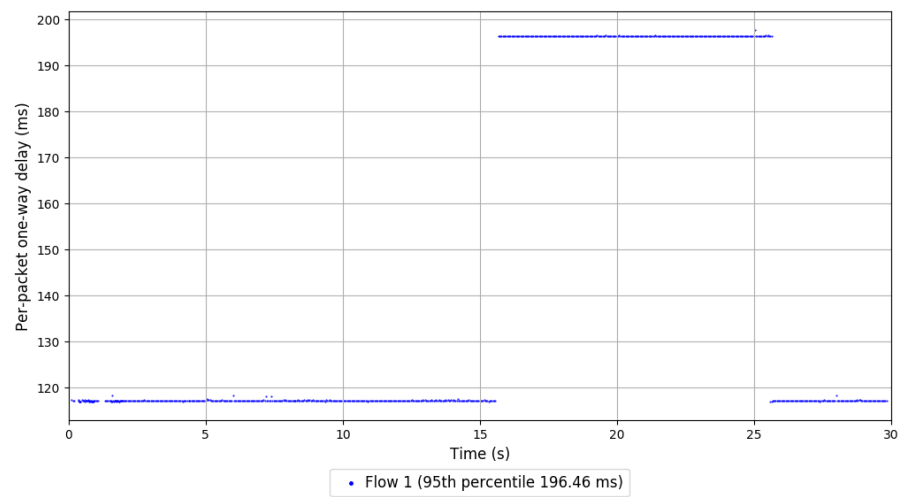
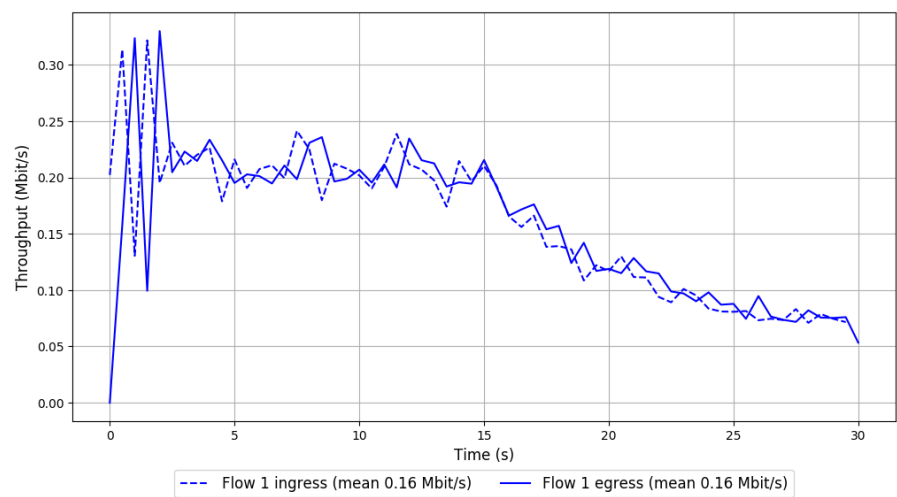


Run 10: Statistics of SReAM

Start at: 2018-05-22 11:27:12
End at: 2018-05-22 11:27:42
Local clock offset: -0.113 ms
Remote clock offset: -0.399 ms

Below is generated by plot.py at 2018-05-22 12:49:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 196.459 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 196.459 ms
Loss rate: 0.37%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-05-22 08:26:51

End at: 2018-05-22 08:27:21

Local clock offset: -0.095 ms

Remote clock offset: 0.365 ms

Below is generated by plot.py at 2018-05-22 12:49:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 116.793 ms

Loss rate: 0.59%

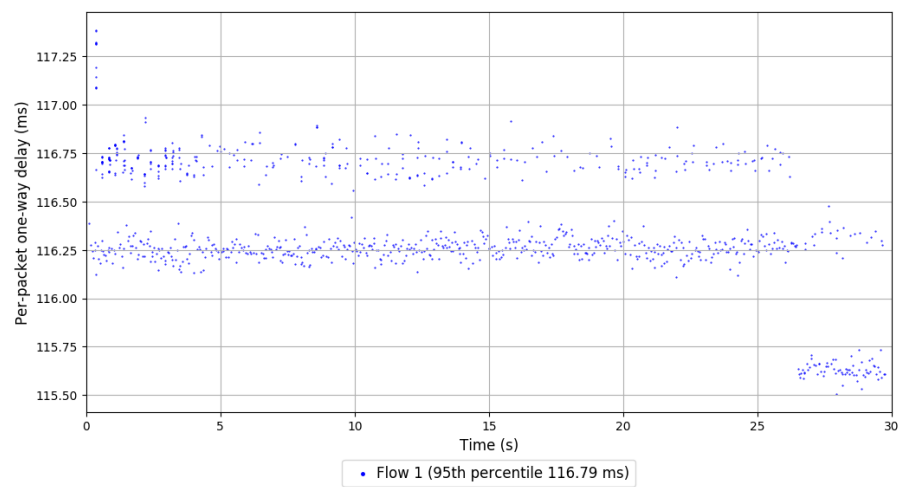
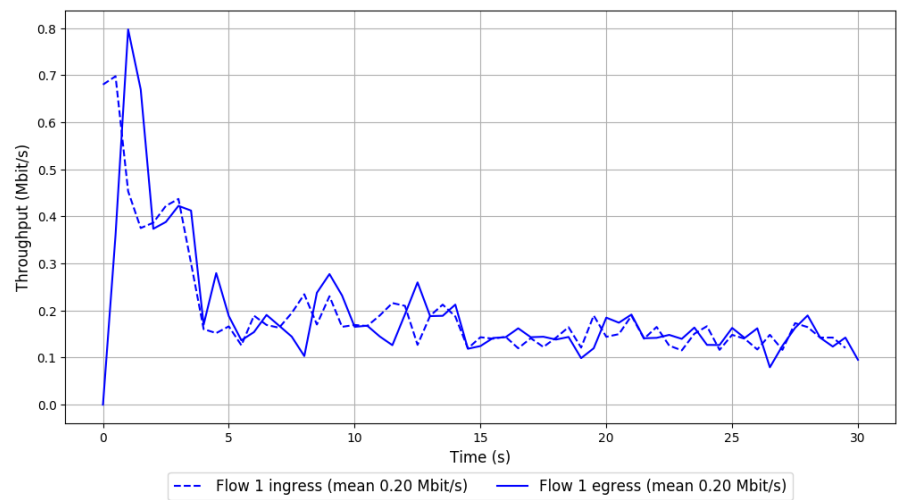
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 116.793 ms

Loss rate: 0.59%

Run 1: Report of Sprout — Data Link

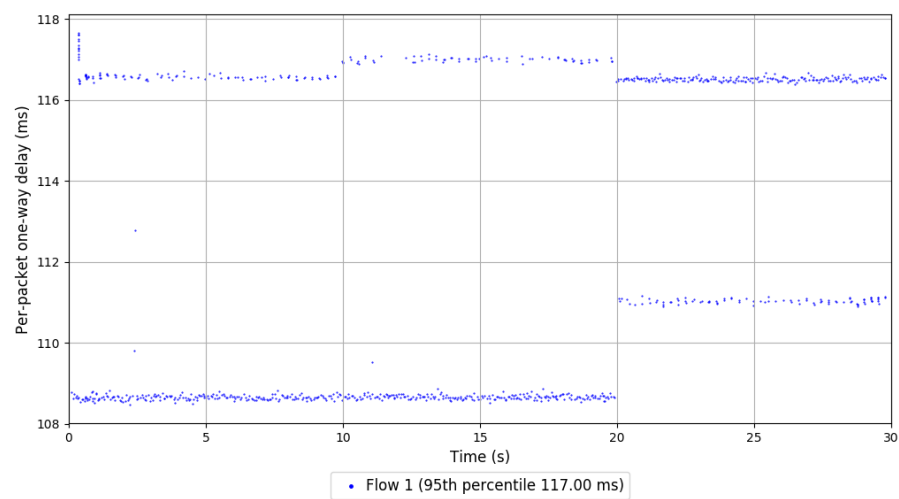
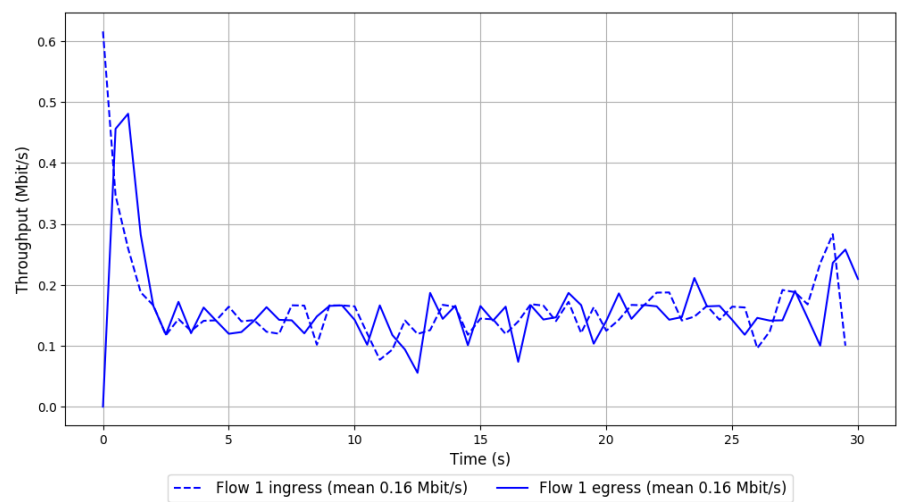


Run 2: Statistics of Sprout

Start at: 2018-05-22 08:47:38
End at: 2018-05-22 08:48:08
Local clock offset: -0.226 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-05-22 12:49:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 117.000 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 117.000 ms
Loss rate: 0.31%

Run 2: Report of Sprout — Data Link

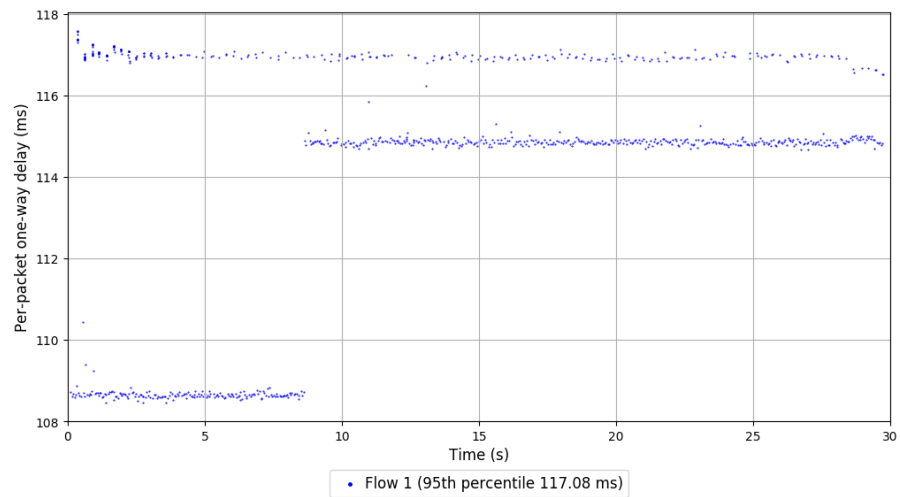
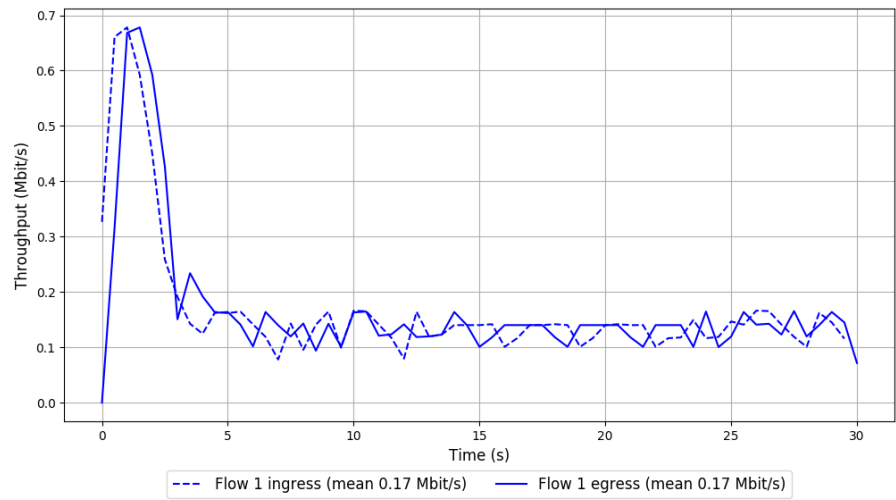


Run 3: Statistics of Sprout

Start at: 2018-05-22 09:08:29
End at: 2018-05-22 09:08:59
Local clock offset: -0.238 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-05-22 12:49:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 117.083 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 117.083 ms
Loss rate: 0.46%

Run 3: Report of Sprout — Data Link

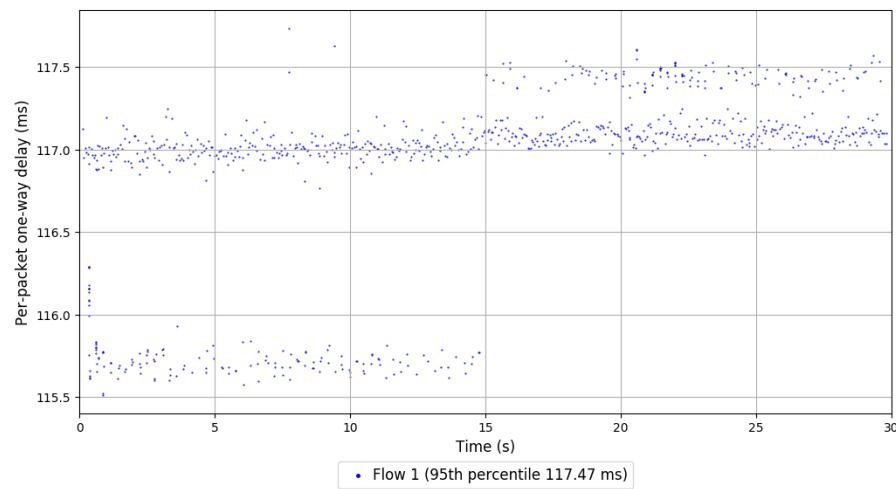
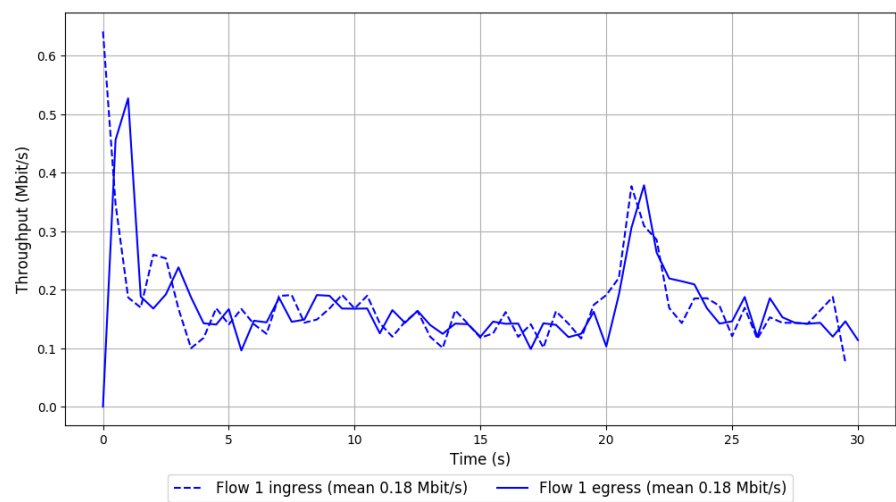


Run 4: Statistics of Sprout

Start at: 2018-05-22 09:28:53
End at: 2018-05-22 09:29:23
Local clock offset: 0.298 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-05-22 12:49:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 117.474 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 117.474 ms
Loss rate: 0.49%

Run 4: Report of Sprout — Data Link

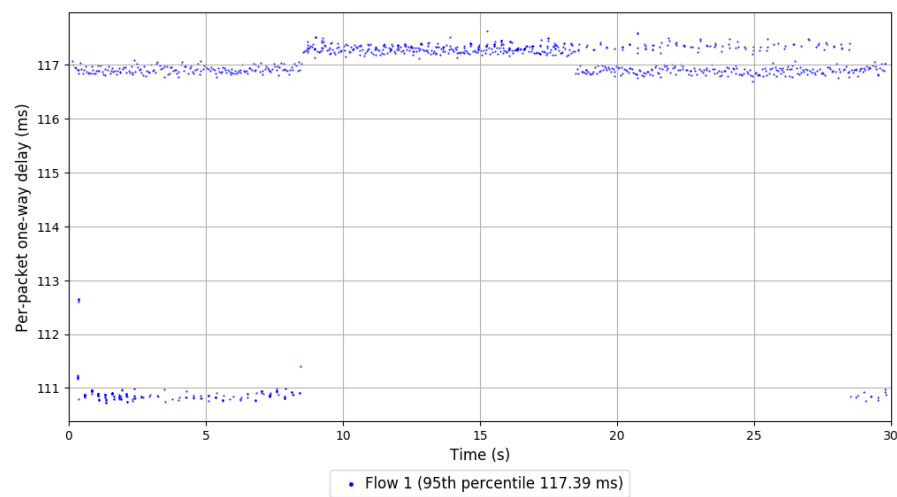
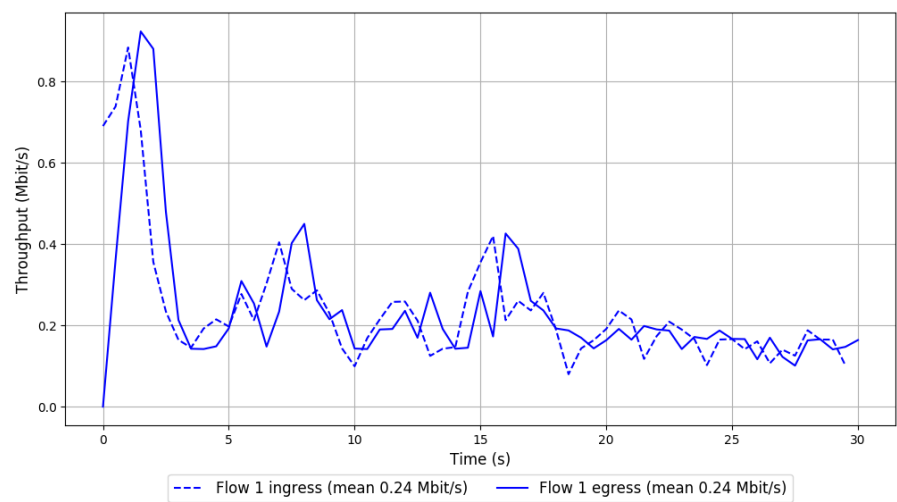


Run 5: Statistics of Sprout

Start at: 2018-05-22 09:49:39
End at: 2018-05-22 09:50:09
Local clock offset: 0.204 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-05-22 12:49:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 117.395 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 117.395 ms
Loss rate: 0.04%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-05-22 10:11:12

End at: 2018-05-22 10:11:42

Local clock offset: -0.005 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2018-05-22 12:49:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 115.613 ms

Loss rate: 0.07%

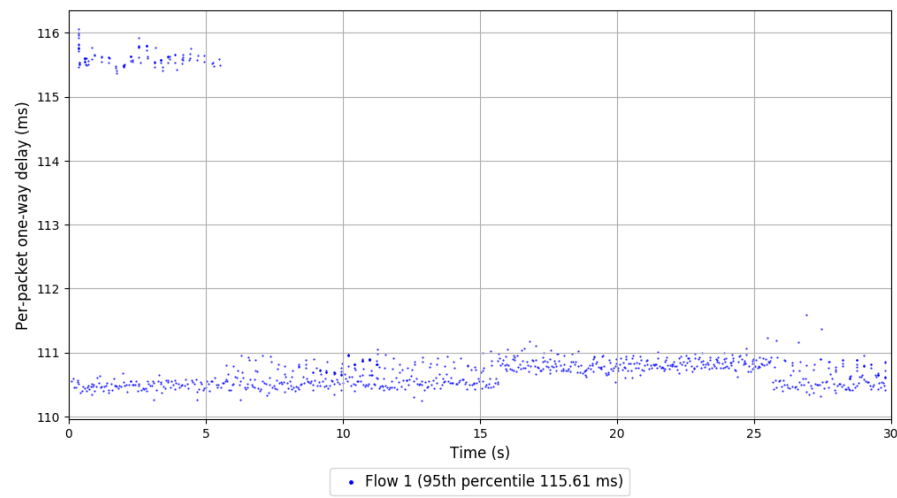
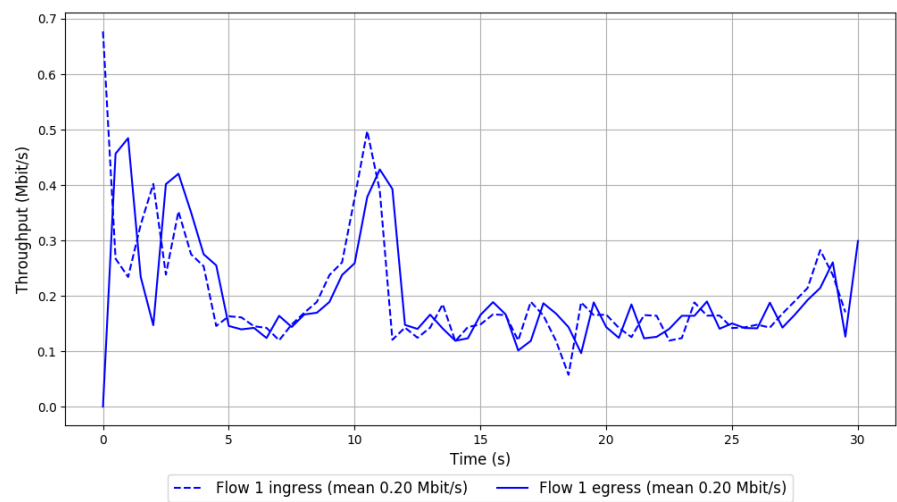
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 115.613 ms

Loss rate: 0.07%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-05-22 10:31:55

End at: 2018-05-22 10:32:25

Local clock offset: 0.081 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-05-22 12:49:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 116.854 ms

Loss rate: 0.59%

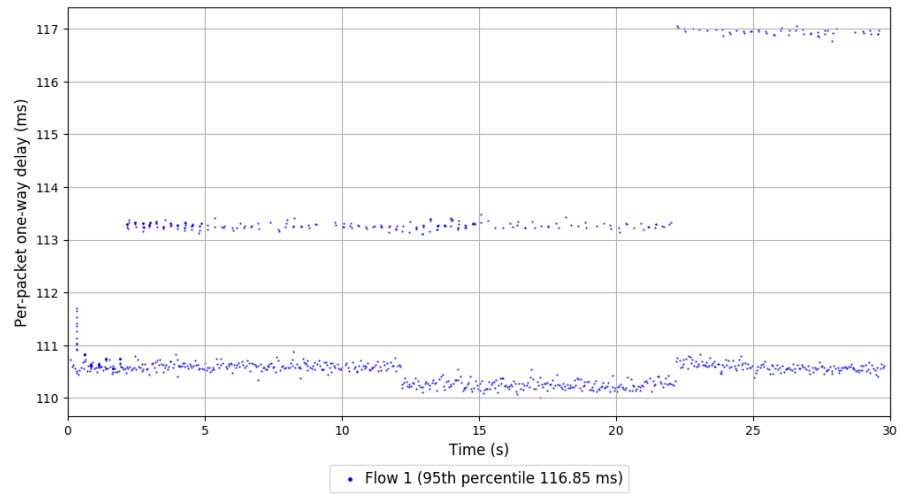
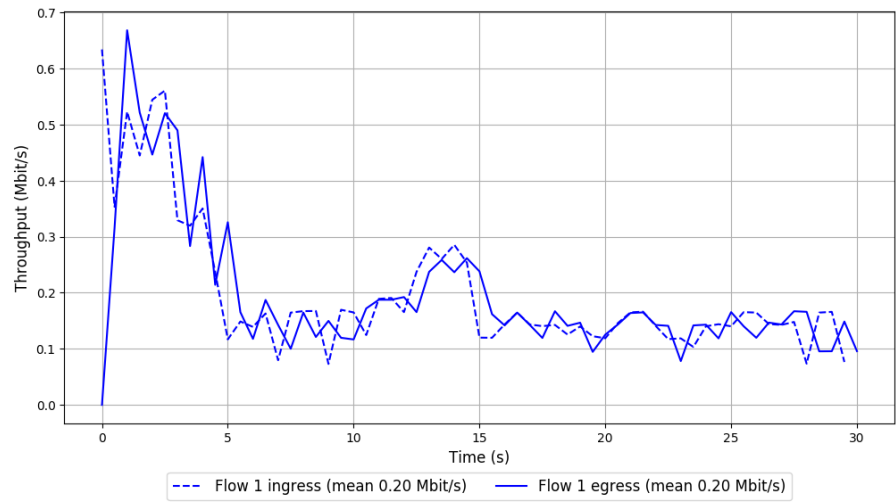
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 116.854 ms

Loss rate: 0.59%

Run 7: Report of Sprout — Data Link

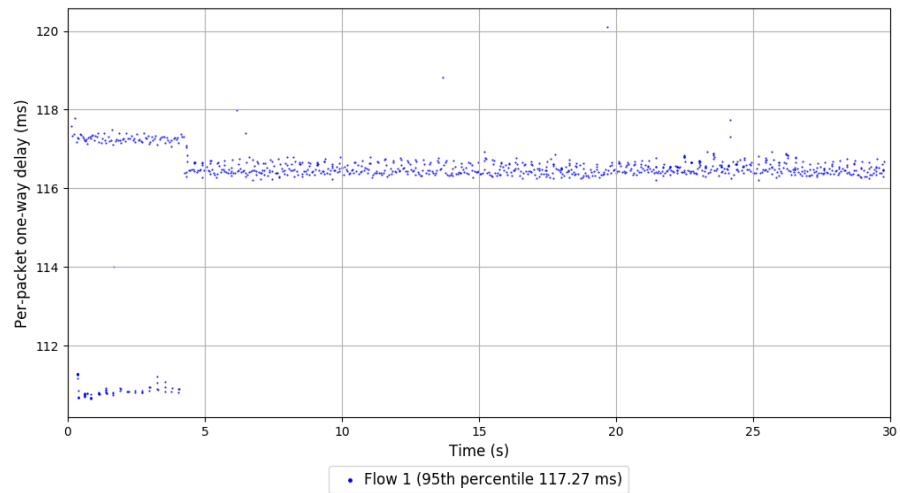
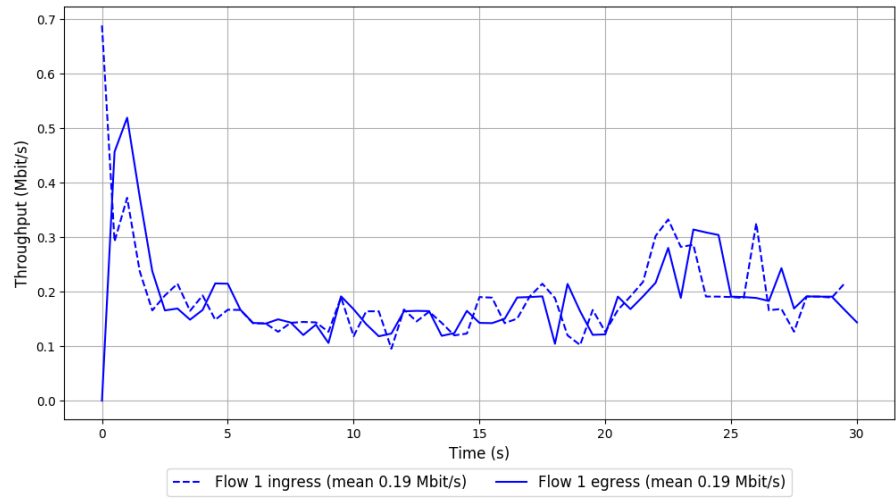


Run 8: Statistics of Sprout

Start at: 2018-05-22 10:52:43
End at: 2018-05-22 10:53:13
Local clock offset: 0.372 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-05-22 12:49:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 117.268 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 117.268 ms
Loss rate: 0.84%

Run 8: Report of Sprout — Data Link

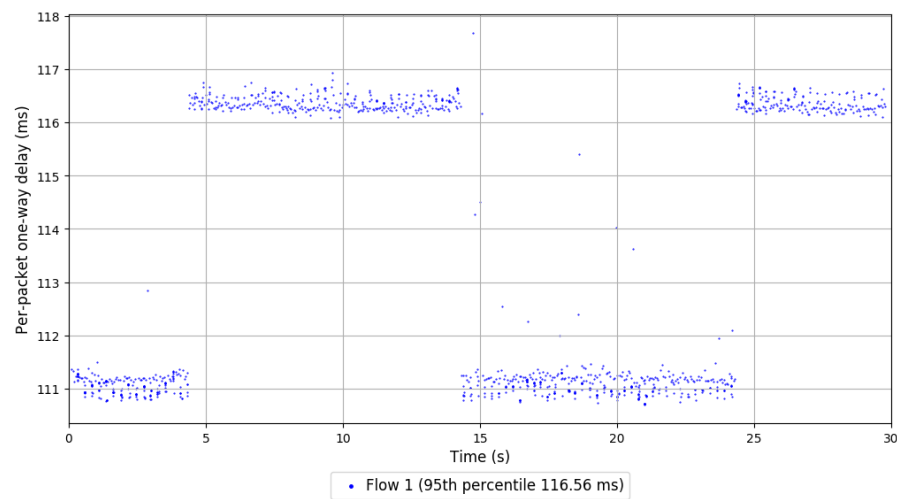
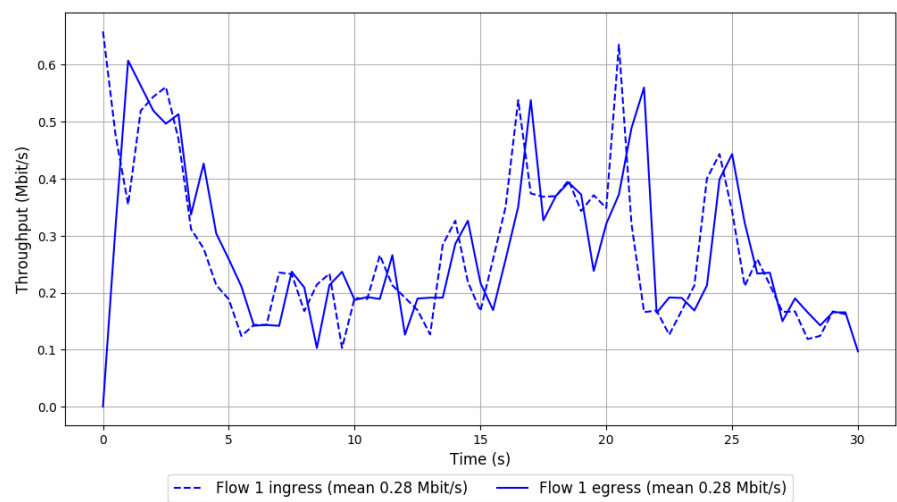


Run 9: Statistics of Sprout

Start at: 2018-05-22 11:13:13
End at: 2018-05-22 11:13:43
Local clock offset: 0.152 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-05-22 12:49:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 116.558 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 116.558 ms
Loss rate: 0.42%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-05-22 11:33:58

End at: 2018-05-22 11:34:28

Local clock offset: 0.032 ms

Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-05-22 12:49:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 196.130 ms

Loss rate: 0.49%

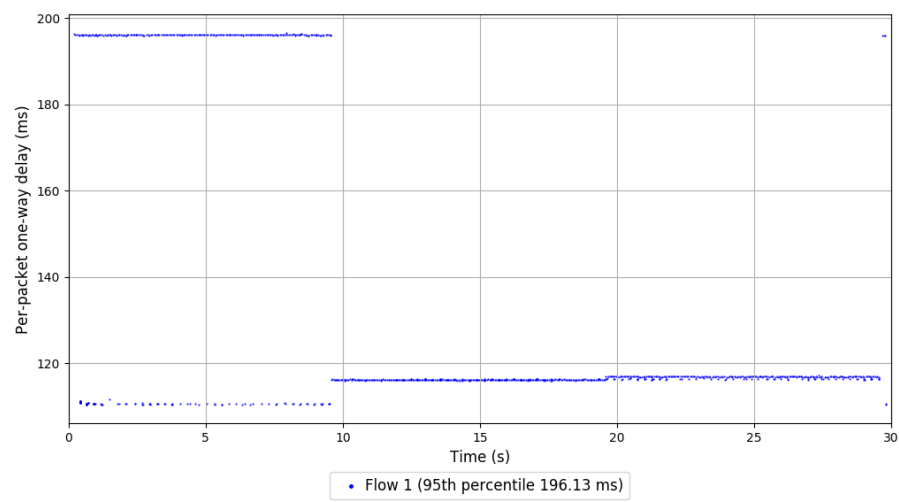
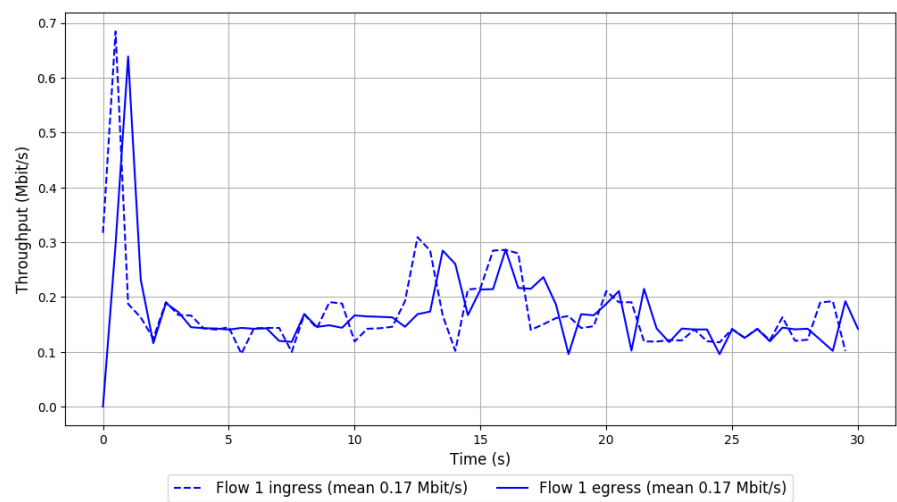
-- Flow 1:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 196.130 ms

Loss rate: 0.49%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-05-22 08:23:06

End at: 2018-05-22 08:23:36

Local clock offset: -0.154 ms

Remote clock offset: -0.406 ms

Below is generated by plot.py at 2018-05-22 12:49:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.02 Mbit/s

95th percentile per-packet one-way delay: 117.246 ms

Loss rate: 0.31%

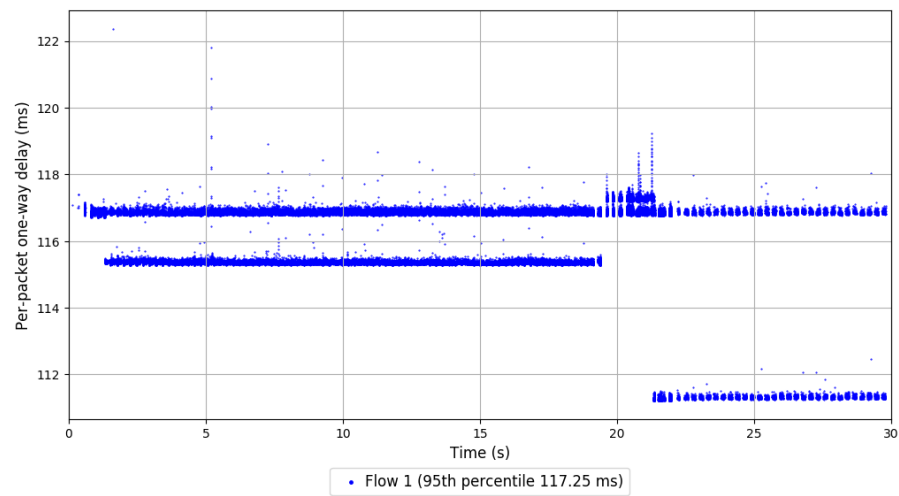
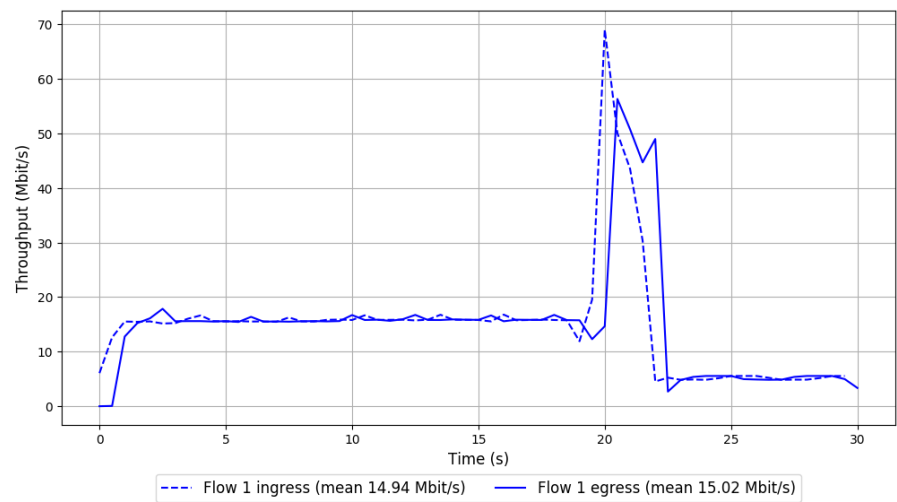
-- Flow 1:

Average throughput: 15.02 Mbit/s

95th percentile per-packet one-way delay: 117.246 ms

Loss rate: 0.31%

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



Run 2: Statistics of TaoVA-100x

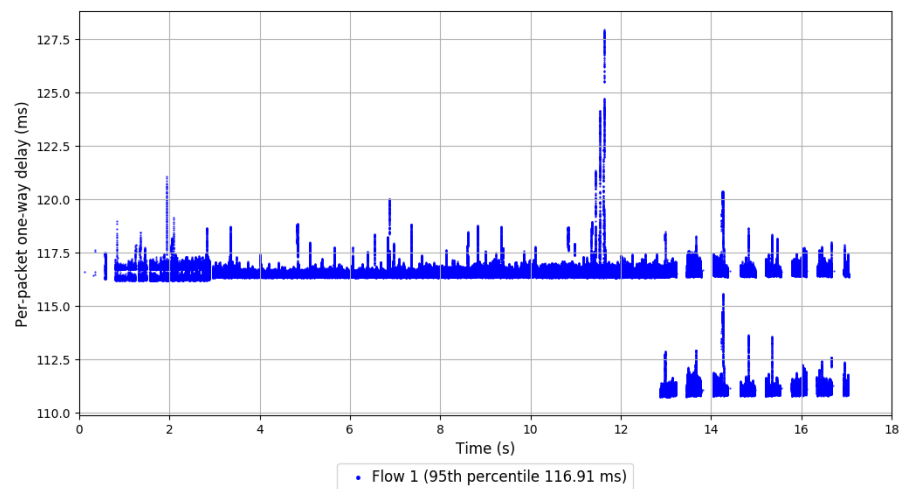
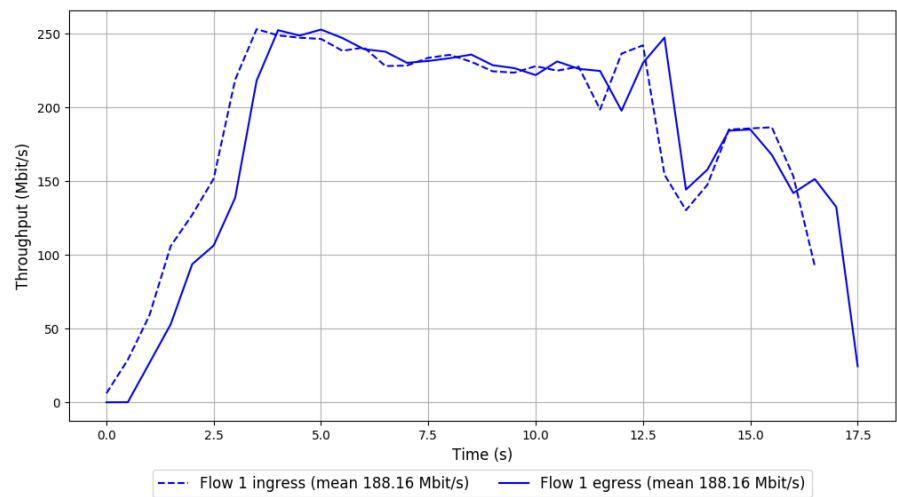
Start at: 2018-05-22 08:43:45

End at: 2018-05-22 08:44:15

Local clock offset: -0.243 ms

Remote clock offset: -0.029 ms

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-05-22 09:04:30

End at: 2018-05-22 09:05:00

Local clock offset: 0.32 ms

Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-05-22 12:50:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 199.88 Mbit/s

95th percentile per-packet one-way delay: 117.370 ms

Loss rate: 0.59%

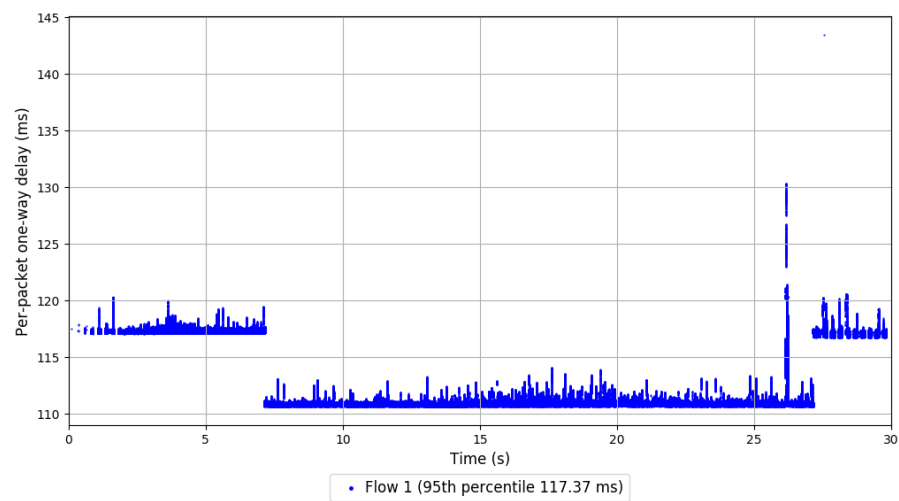
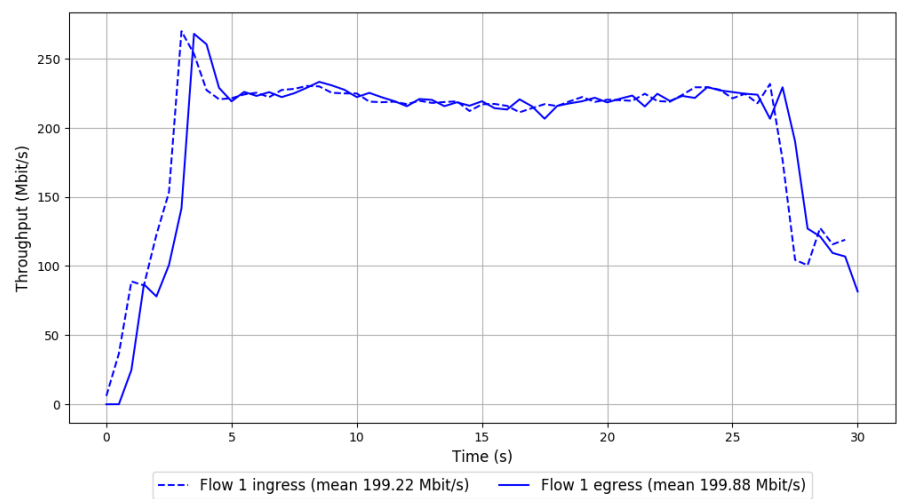
-- Flow 1:

Average throughput: 199.88 Mbit/s

95th percentile per-packet one-way delay: 117.370 ms

Loss rate: 0.59%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-05-22 09:25:08

End at: 2018-05-22 09:25:38

Local clock offset: 0.117 ms

Remote clock offset: -0.457 ms

Below is generated by plot.py at 2018-05-22 12:50:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 18.22 Mbit/s

95th percentile per-packet one-way delay: 117.576 ms

Loss rate: 4.00%

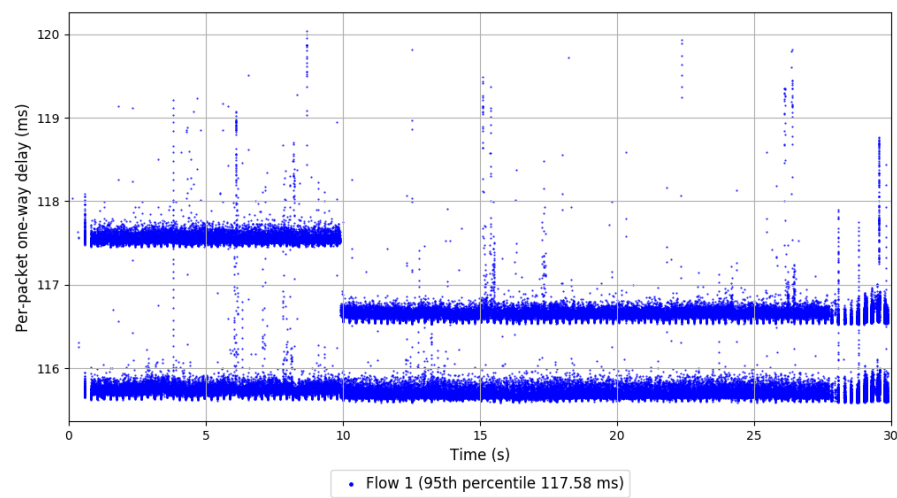
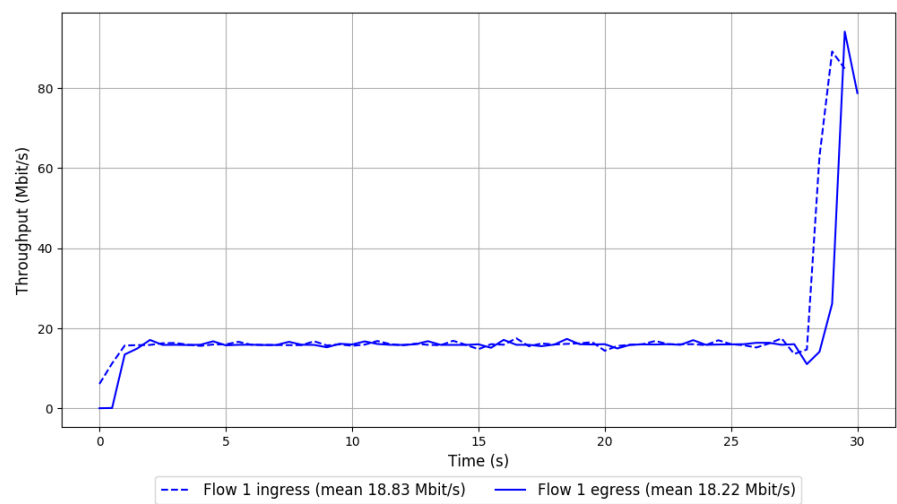
-- Flow 1:

Average throughput: 18.22 Mbit/s

95th percentile per-packet one-way delay: 117.576 ms

Loss rate: 4.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-05-22 09:45:45

End at: 2018-05-22 09:46:15

Local clock offset: 0.05 ms

Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-05-22 12:50:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.37 Mbit/s

95th percentile per-packet one-way delay: 117.105 ms

Loss rate: 0.00%

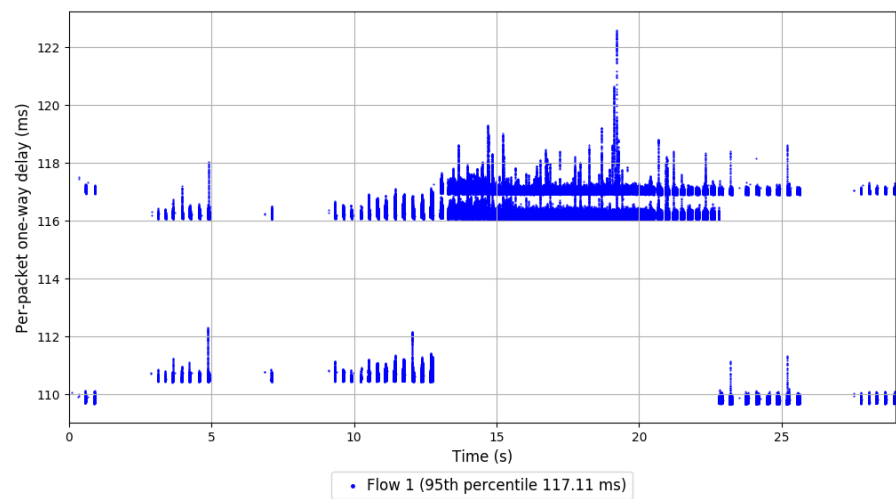
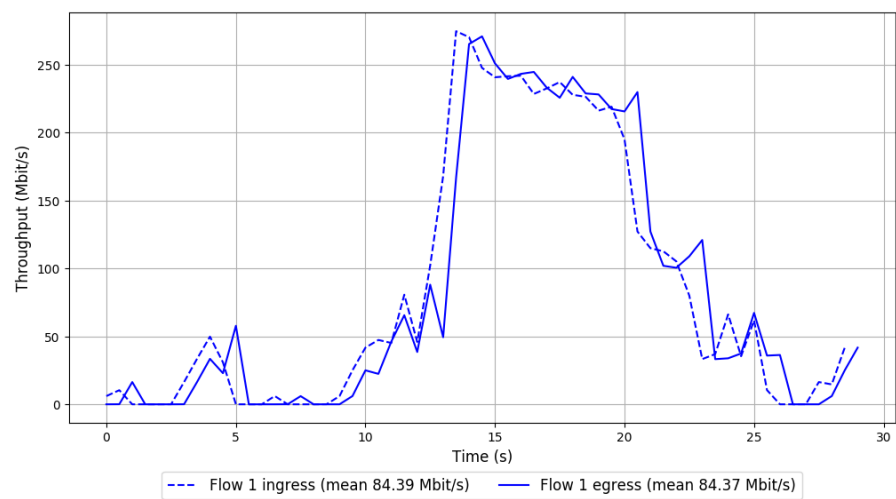
-- Flow 1:

Average throughput: 84.37 Mbit/s

95th percentile per-packet one-way delay: 117.105 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-05-22 10:07:12

End at: 2018-05-22 10:07:42

Local clock offset: 0.088 ms

Remote clock offset: -0.402 ms

Below is generated by plot.py at 2018-05-22 12:50:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.05 Mbit/s

95th percentile per-packet one-way delay: 111.628 ms

Loss rate: 0.00%

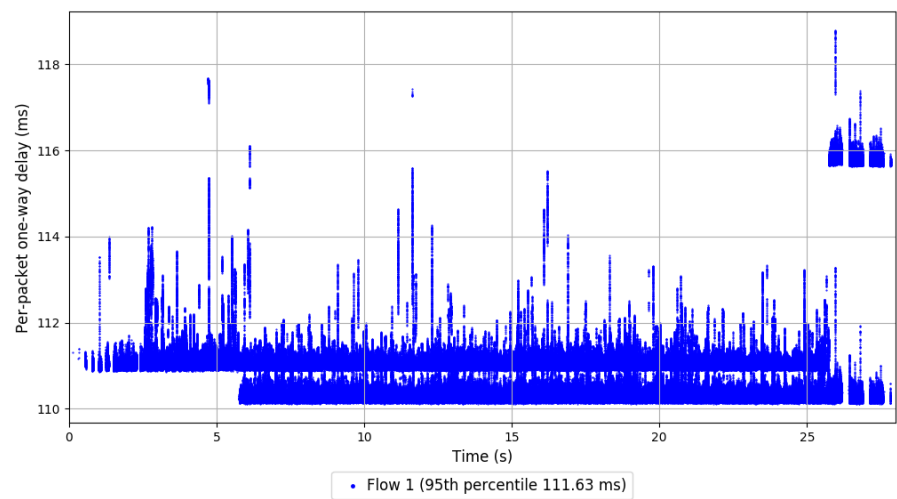
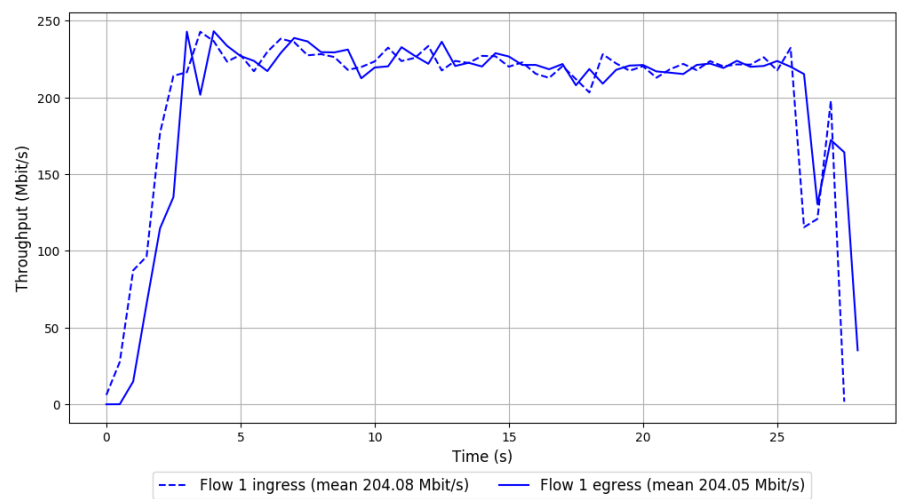
-- Flow 1:

Average throughput: 204.05 Mbit/s

95th percentile per-packet one-way delay: 111.628 ms

Loss rate: 0.00%

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

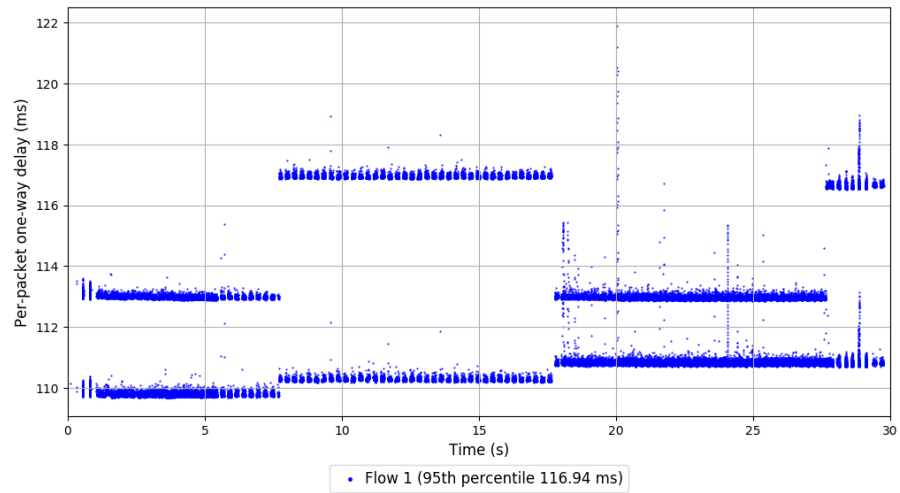
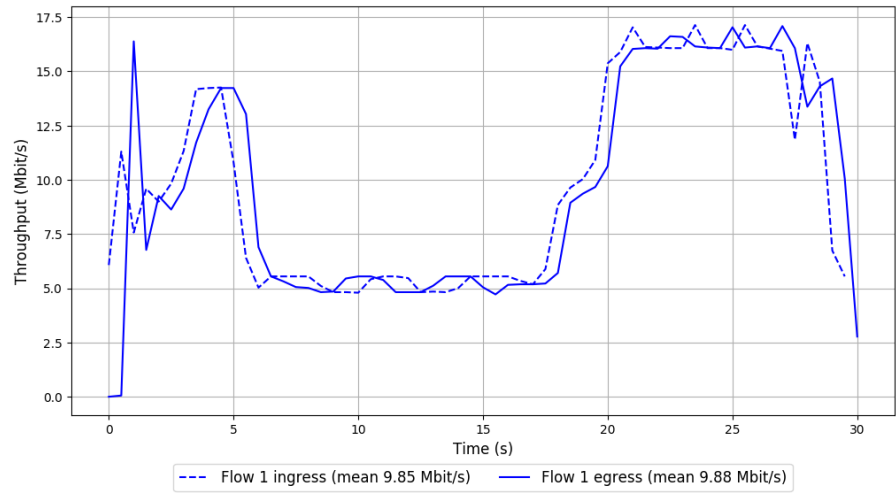


Run 7: Statistics of TaoVA-100x

Start at: 2018-05-22 10:28:10
End at: 2018-05-22 10:28:40
Local clock offset: -0.034 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-05-22 12:50:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.88 Mbit/s
95th percentile per-packet one-way delay: 116.936 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 9.88 Mbit/s
95th percentile per-packet one-way delay: 116.936 ms
Loss rate: 0.47%

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

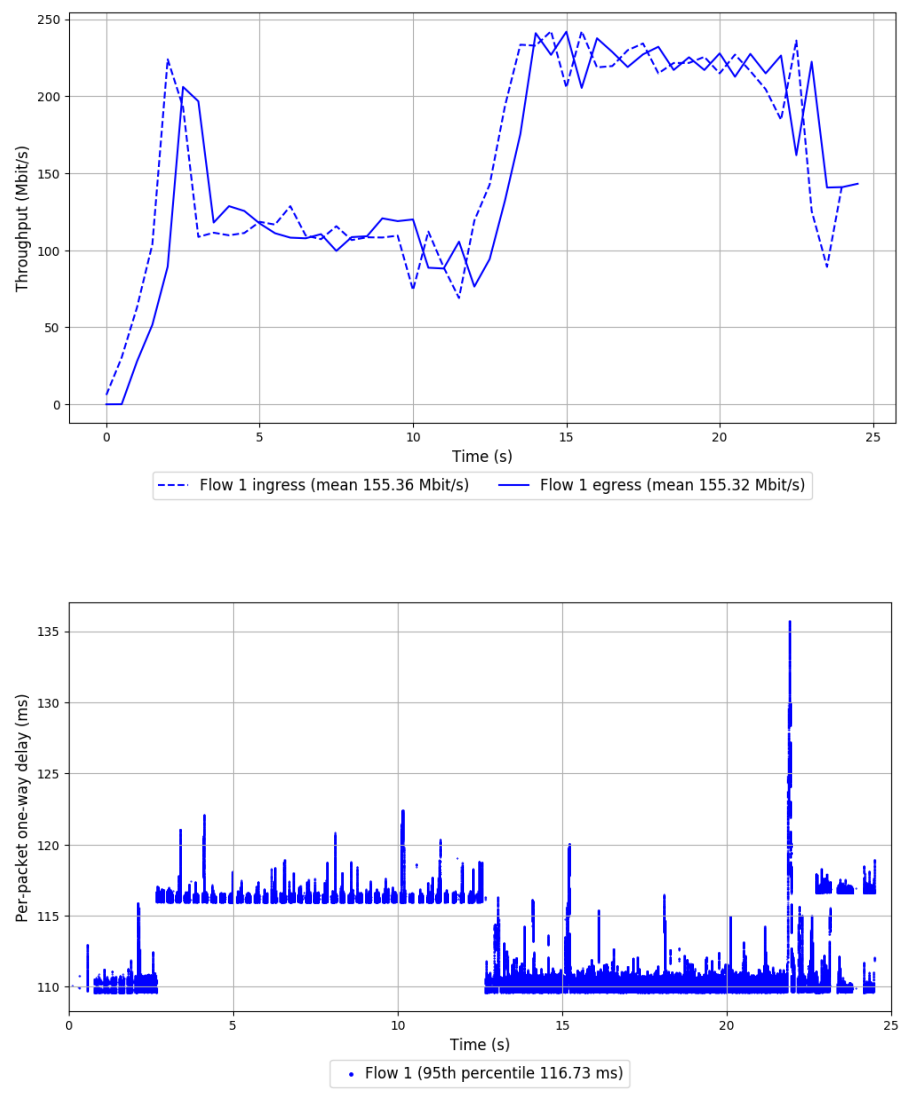


Run 8: Statistics of TaoVA-100x

Start at: 2018-05-22 10:48:45
End at: 2018-05-22 10:49:15
Local clock offset: 0.09 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-05-22 12:50:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 155.32 Mbit/s
95th percentile per-packet one-way delay: 116.732 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 155.32 Mbit/s
95th percentile per-packet one-way delay: 116.732 ms
Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-05-22 11:09:30

End at: 2018-05-22 11:10:01

Local clock offset: 0.18 ms

Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-05-22 12:50:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.18 Mbit/s

95th percentile per-packet one-way delay: 116.780 ms

Loss rate: 0.56%

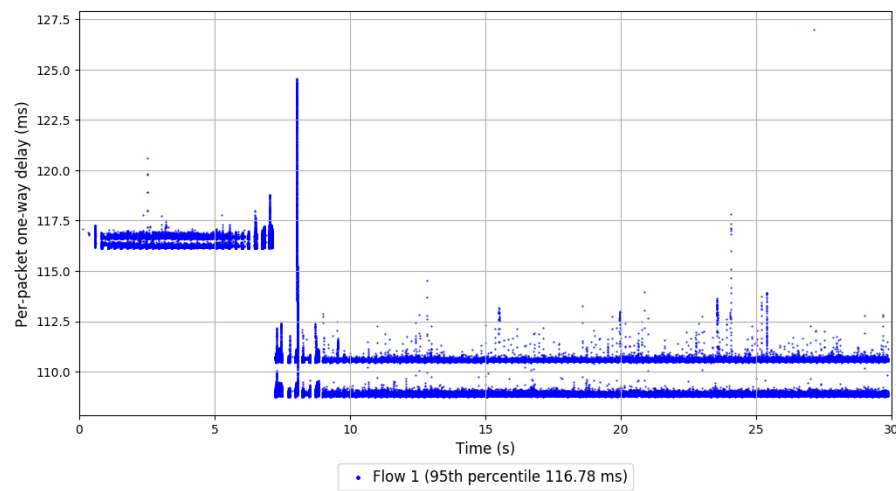
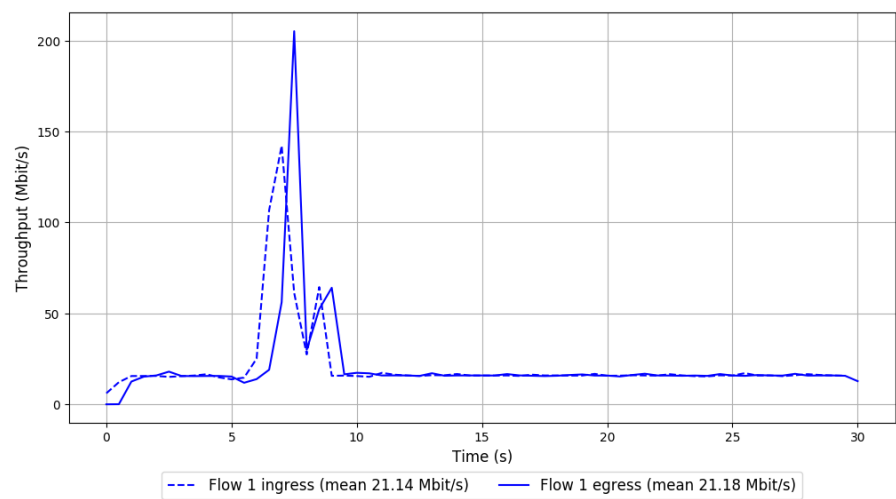
-- Flow 1:

Average throughput: 21.18 Mbit/s

95th percentile per-packet one-way delay: 116.780 ms

Loss rate: 0.56%

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

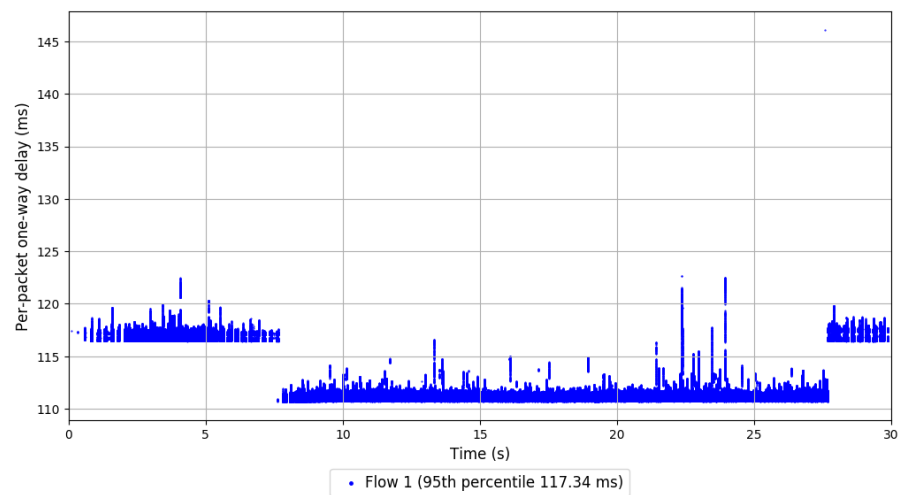
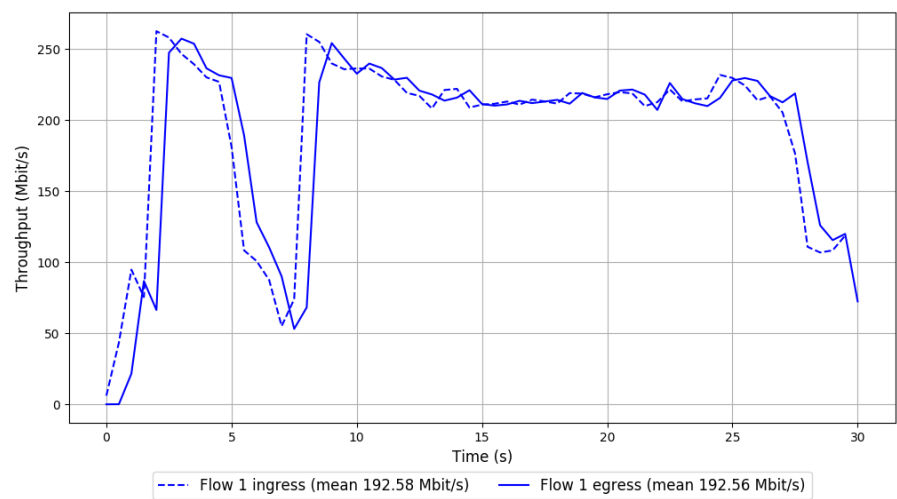


Run 10: Statistics of TaoVA-100x

Start at: 2018-05-22 11:30:00
End at: 2018-05-22 11:30:30
Local clock offset: 0.176 ms
Remote clock offset: -0.403 ms

Below is generated by plot.py at 2018-05-22 12:54:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 192.56 Mbit/s
95th percentile per-packet one-way delay: 117.341 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 192.56 Mbit/s
95th percentile per-packet one-way delay: 117.341 ms
Loss rate: 0.48%

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

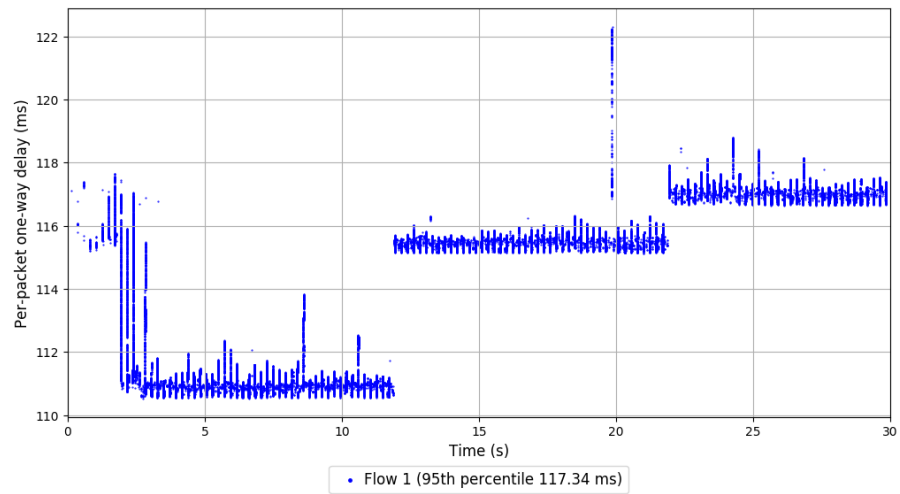
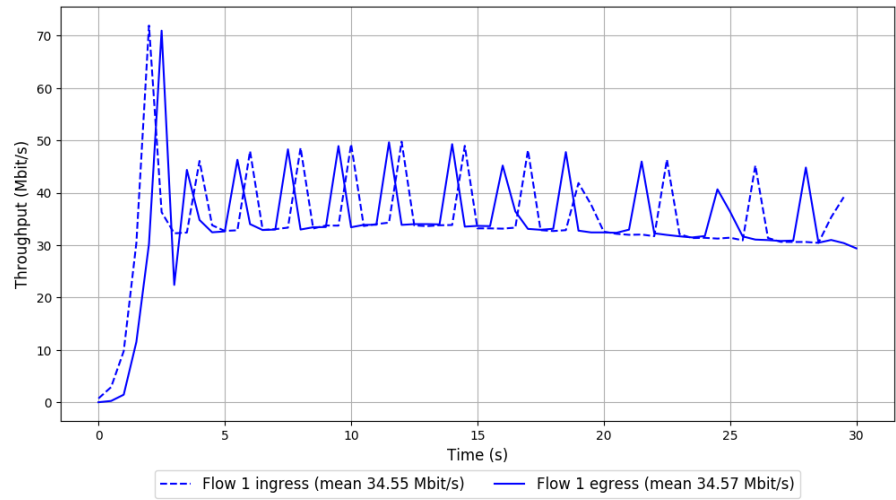


Run 1: Statistics of TCP Vegas

Start at: 2018-05-22 08:19:06
End at: 2018-05-22 08:19:36
Local clock offset: 0.103 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-05-22 12:54:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.57 Mbit/s
95th percentile per-packet one-way delay: 117.343 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 34.57 Mbit/s
95th percentile per-packet one-way delay: 117.343 ms
Loss rate: 0.73%

Run 1: Report of TCP Vegas — Data Link

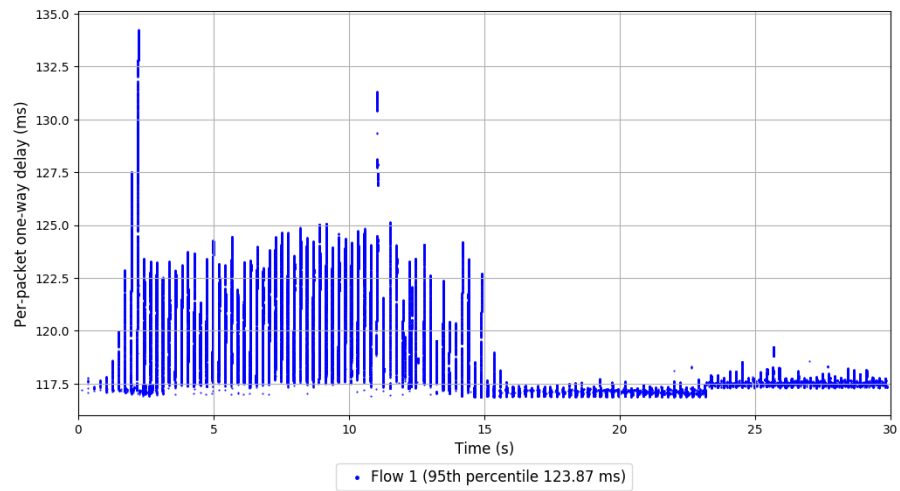
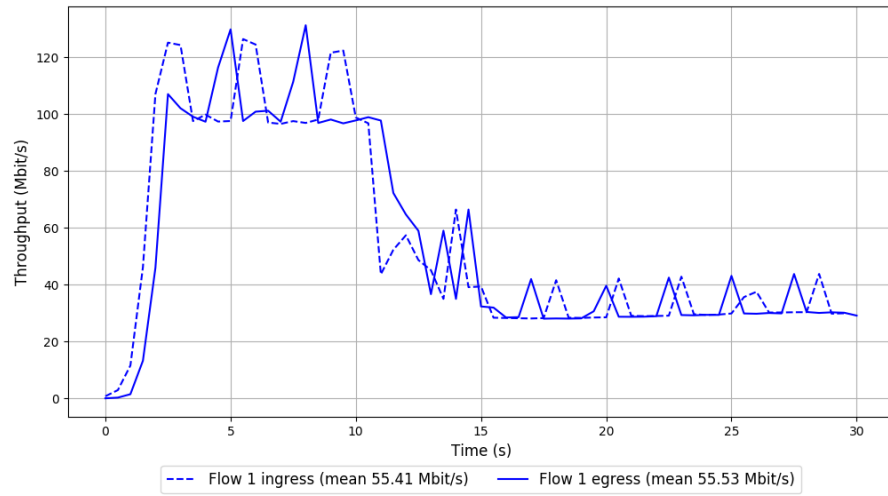


Run 2: Statistics of TCP Vegas

Start at: 2018-05-22 08:39:44
End at: 2018-05-22 08:40:14
Local clock offset: 0.263 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-05-22 12:54:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.53 Mbit/s
95th percentile per-packet one-way delay: 123.871 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 55.53 Mbit/s
95th percentile per-packet one-way delay: 123.871 ms
Loss rate: 0.56%

Run 2: Report of TCP Vegas — Data Link

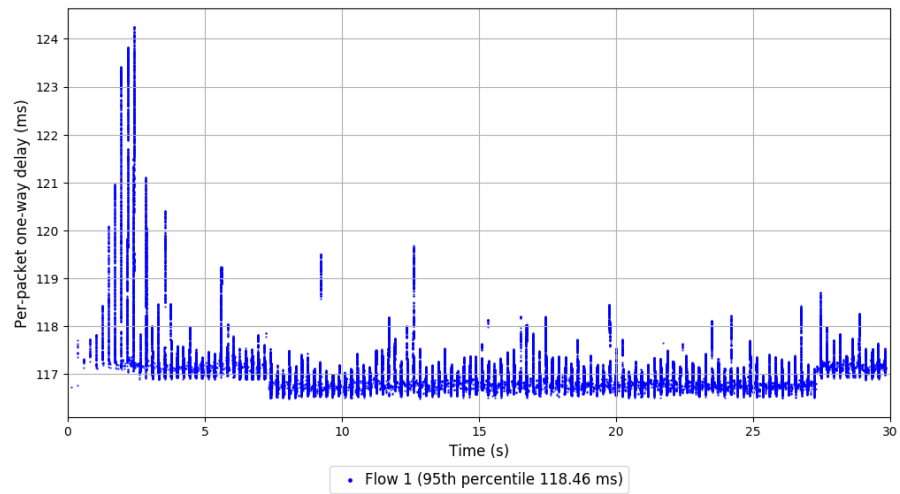
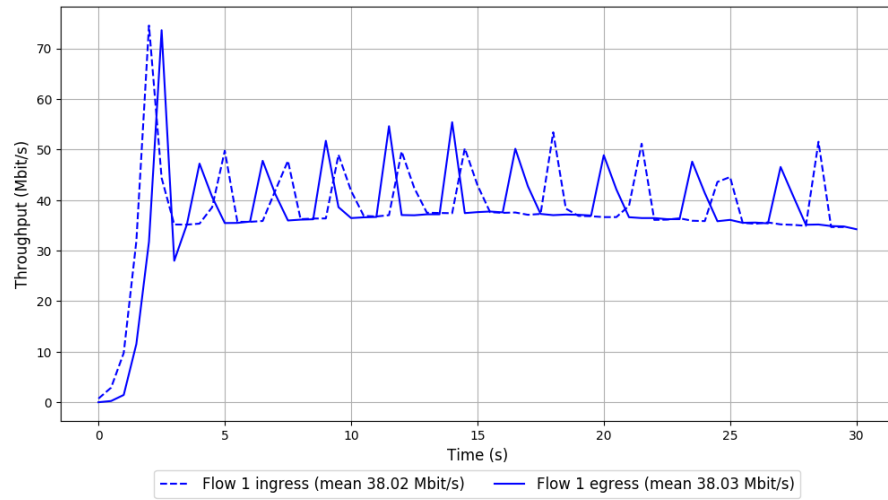


Run 3: Statistics of TCP Vegas

Start at: 2018-05-22 09:00:30
End at: 2018-05-22 09:01:00
Local clock offset: 0.014 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-05-22 12:54:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 38.03 Mbit/s
95th percentile per-packet one-way delay: 118.458 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 38.03 Mbit/s
95th percentile per-packet one-way delay: 118.458 ms
Loss rate: 0.76%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-05-22 09:21:09

End at: 2018-05-22 09:21:39

Local clock offset: 0.328 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-05-22 12:54:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.69 Mbit/s

95th percentile per-packet one-way delay: 117.941 ms

Loss rate: 0.74%

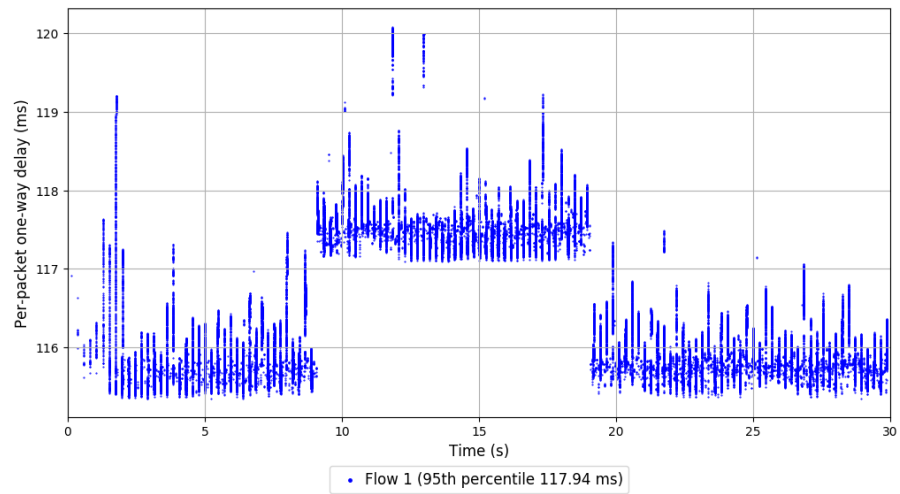
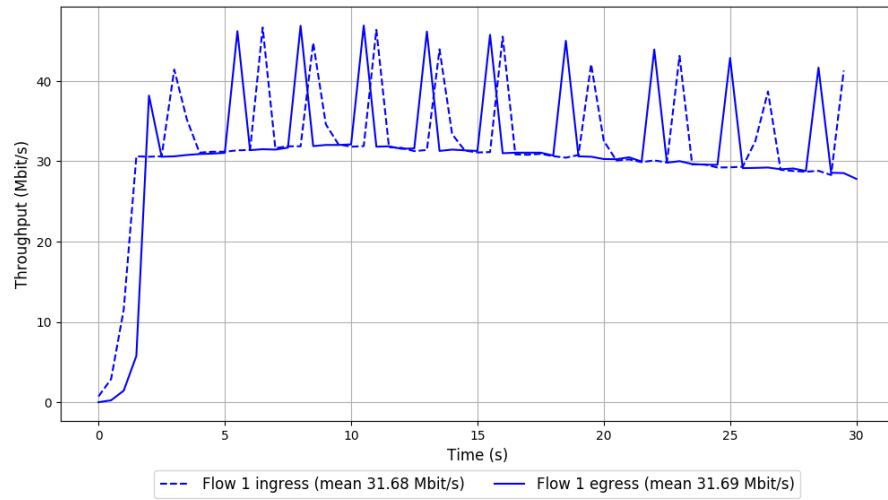
-- Flow 1:

Average throughput: 31.69 Mbit/s

95th percentile per-packet one-way delay: 117.941 ms

Loss rate: 0.74%

Run 4: Report of TCP Vegas — Data Link

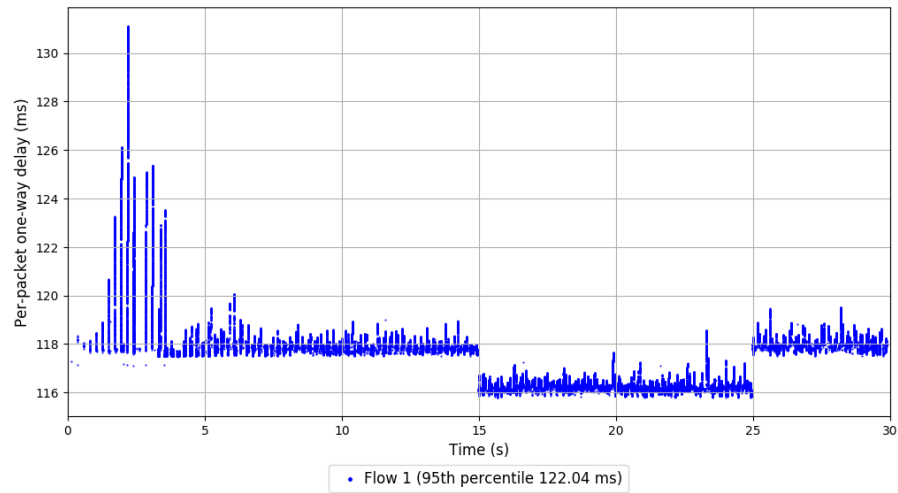
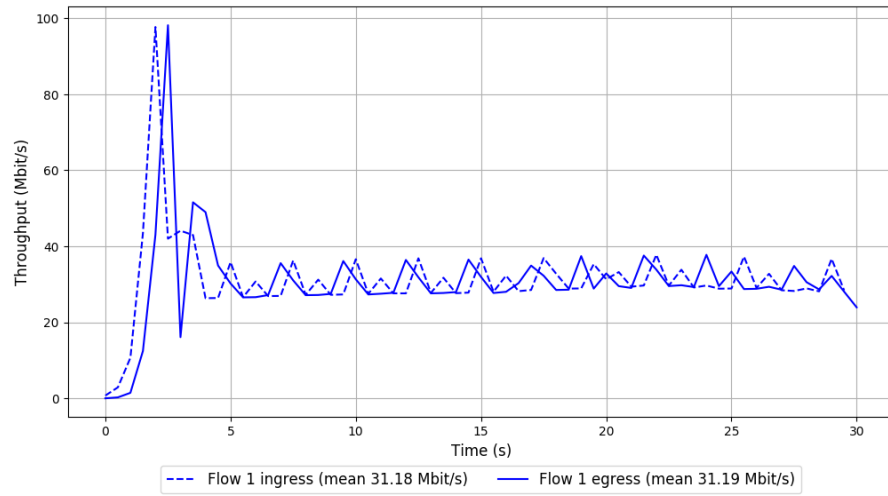


Run 5: Statistics of TCP Vegas

Start at: 2018-05-22 09:41:43
End at: 2018-05-22 09:42:13
Local clock offset: 0.236 ms
Remote clock offset: -0.436 ms

Below is generated by plot.py at 2018-05-22 12:54:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 31.19 Mbit/s
95th percentile per-packet one-way delay: 122.042 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 31.19 Mbit/s
95th percentile per-packet one-way delay: 122.042 ms
Loss rate: 0.74%

Run 5: Report of TCP Vegas — Data Link

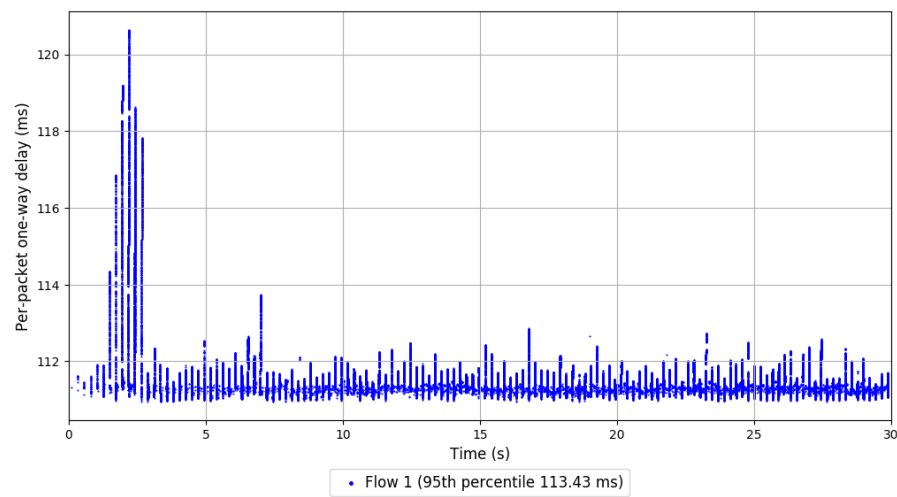
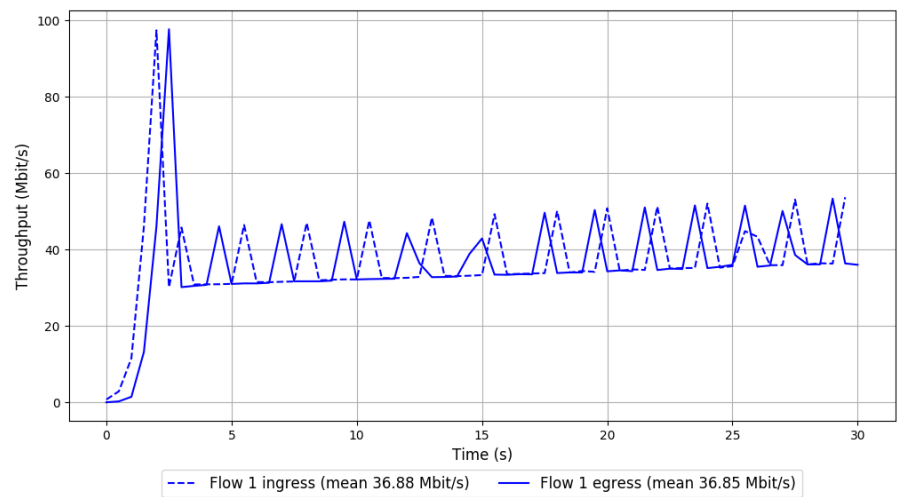


Run 6: Statistics of TCP Vegas

Start at: 2018-05-22 10:03:07
End at: 2018-05-22 10:03:37
Local clock offset: 0.429 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-05-22 12:54:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 36.85 Mbit/s
95th percentile per-packet one-way delay: 113.426 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 36.85 Mbit/s
95th percentile per-packet one-way delay: 113.426 ms
Loss rate: 0.82%

Run 6: Report of TCP Vegas — Data Link

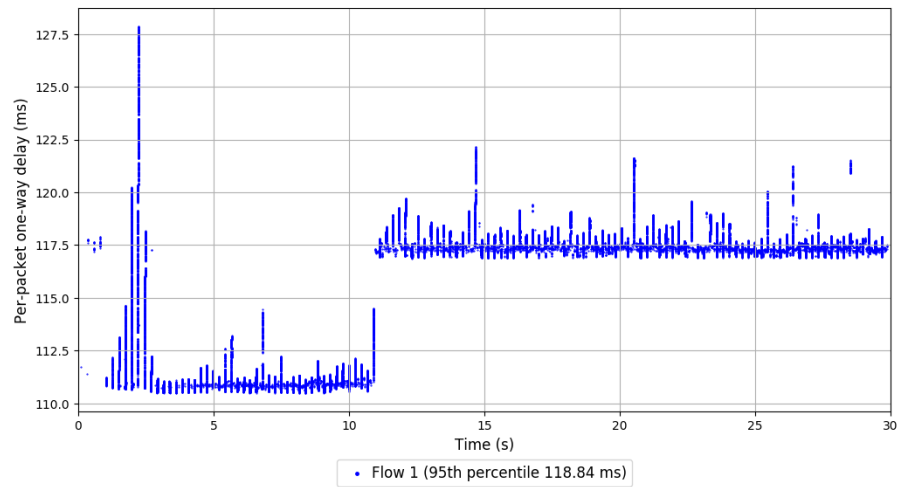
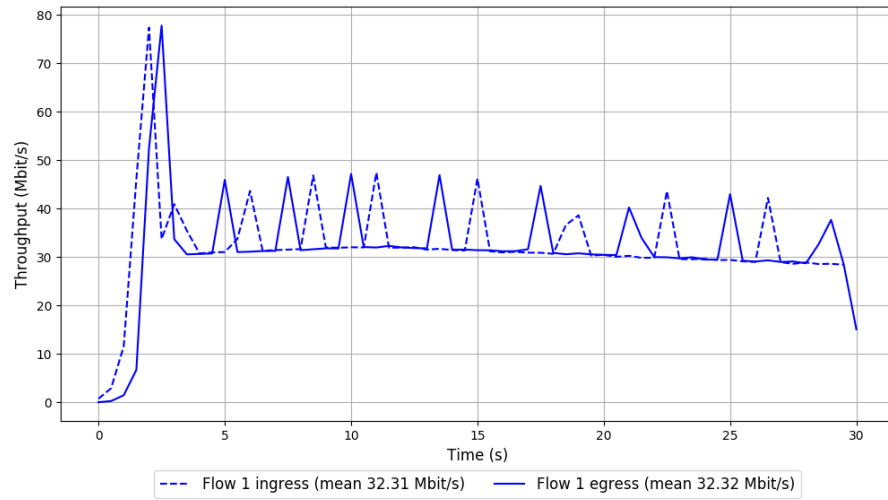


Run 7: Statistics of TCP Vegas

Start at: 2018-05-22 10:24:07
End at: 2018-05-22 10:24:37
Local clock offset: -0.045 ms
Remote clock offset: -0.351 ms

Below is generated by plot.py at 2018-05-22 12:54:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.32 Mbit/s
95th percentile per-packet one-way delay: 118.837 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 32.32 Mbit/s
95th percentile per-packet one-way delay: 118.837 ms
Loss rate: 0.73%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-05-22 10:44:40

End at: 2018-05-22 10:45:10

Local clock offset: -0.017 ms

Remote clock offset: 0.369 ms

Below is generated by plot.py at 2018-05-22 12:54:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.10 Mbit/s

95th percentile per-packet one-way delay: 117.589 ms

Loss rate: 0.74%

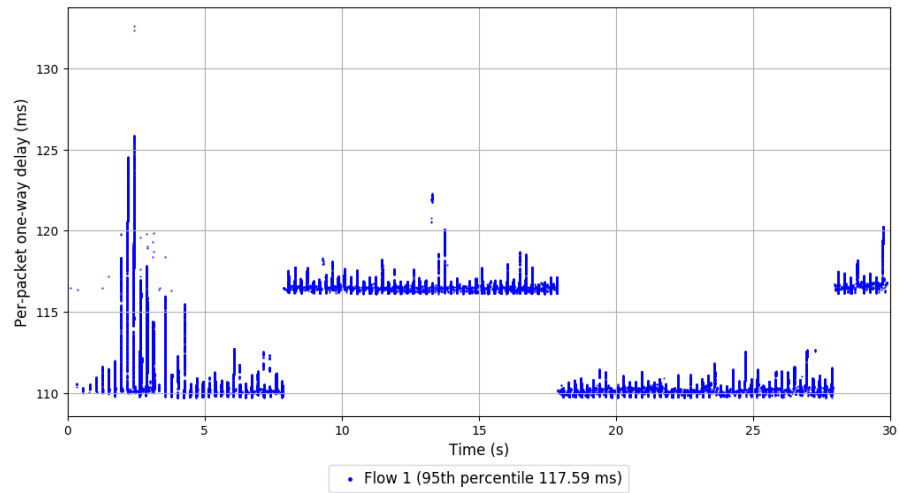
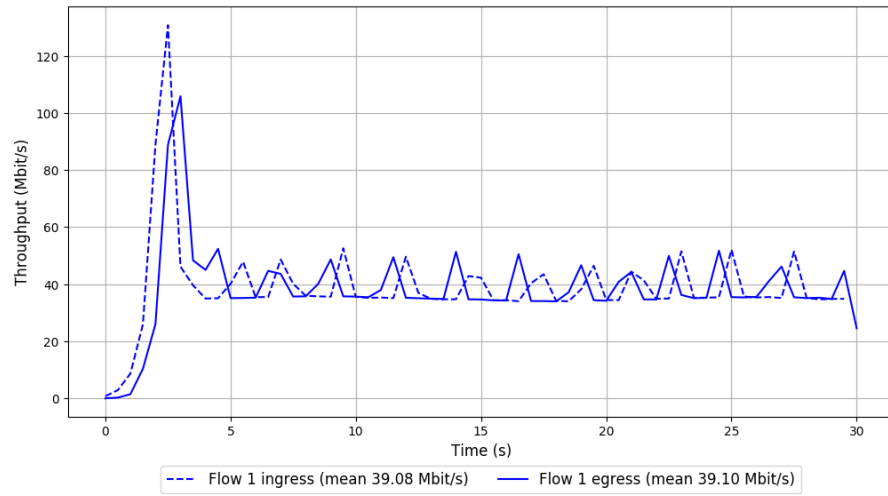
-- Flow 1:

Average throughput: 39.10 Mbit/s

95th percentile per-packet one-way delay: 117.589 ms

Loss rate: 0.74%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-05-22 11:05:28

End at: 2018-05-22 11:05:58

Local clock offset: 0.03 ms

Remote clock offset: 0.301 ms

Below is generated by plot.py at 2018-05-22 12:54:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 99.70 Mbit/s

95th percentile per-packet one-way delay: 125.612 ms

Loss rate: 0.83%

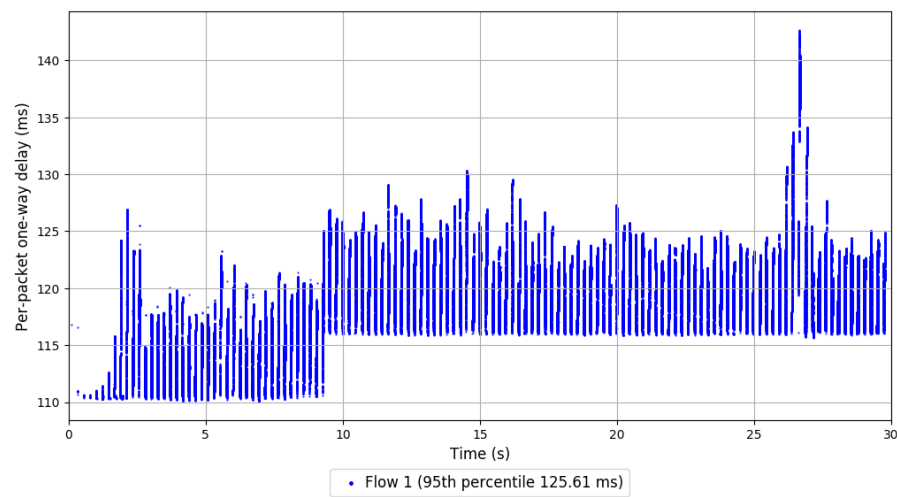
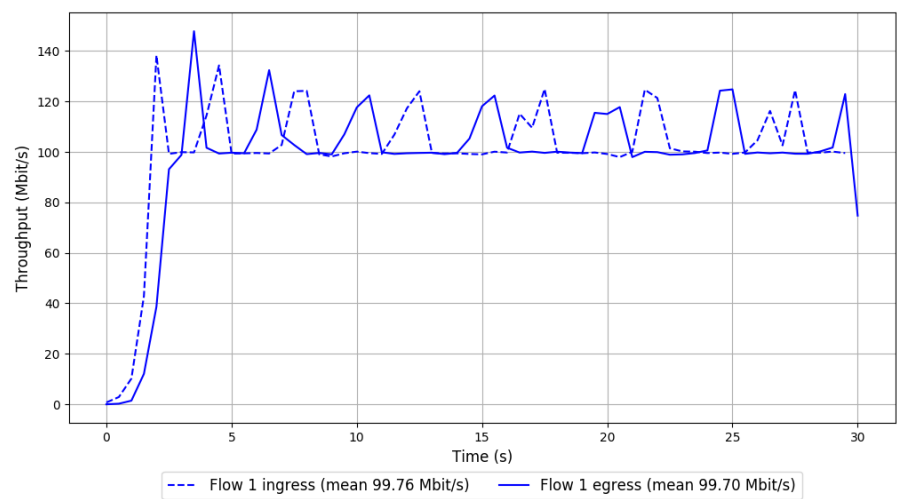
-- Flow 1:

Average throughput: 99.70 Mbit/s

95th percentile per-packet one-way delay: 125.612 ms

Loss rate: 0.83%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-05-22 11:25:58

End at: 2018-05-22 11:26:28

Local clock offset: 0.165 ms

Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-05-22 12:54:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 100.19 Mbit/s

95th percentile per-packet one-way delay: 126.201 ms

Loss rate: 0.87%

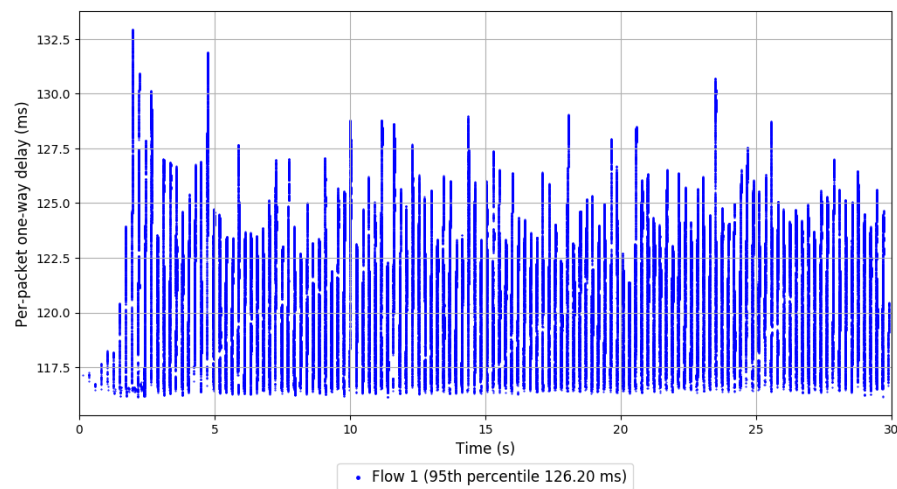
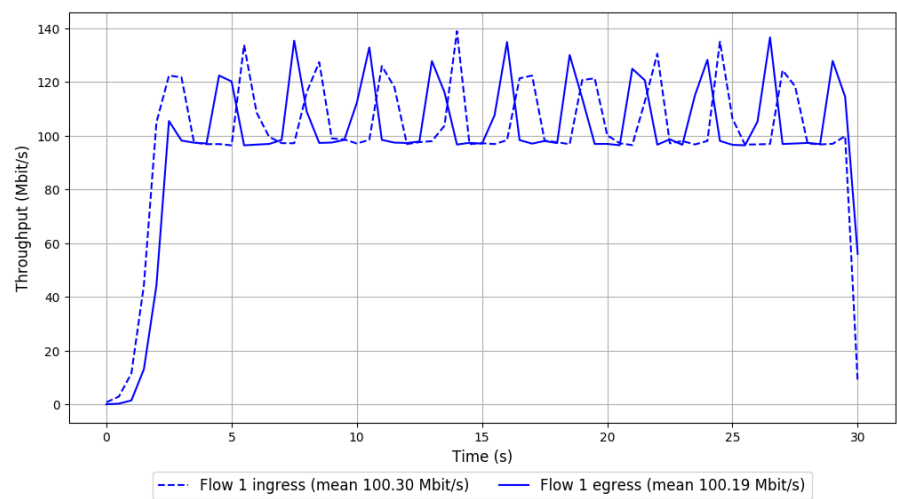
-- Flow 1:

Average throughput: 100.19 Mbit/s

95th percentile per-packet one-way delay: 126.201 ms

Loss rate: 0.87%

Run 10: Report of TCP Vegas — Data Link

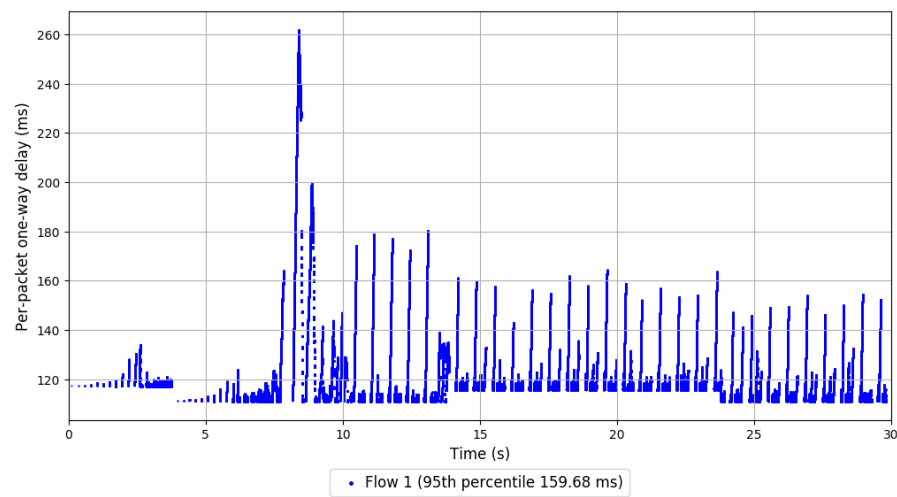
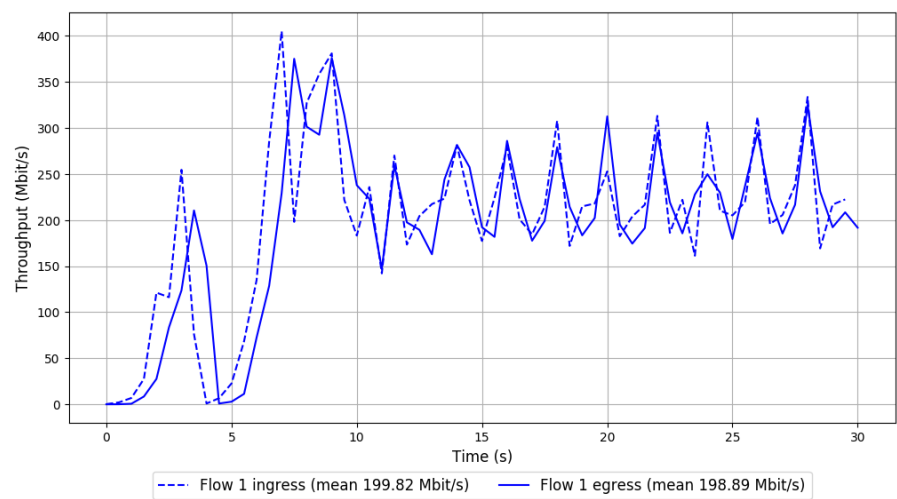


Run 1: Statistics of Verus

Start at: 2018-05-22 08:17:44
End at: 2018-05-22 08:18:14
Local clock offset: 0.369 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-05-22 12:54:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 198.89 Mbit/s
95th percentile per-packet one-way delay: 159.681 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 198.89 Mbit/s
95th percentile per-packet one-way delay: 159.681 ms
Loss rate: 1.00%

Run 1: Report of Verus — Data Link

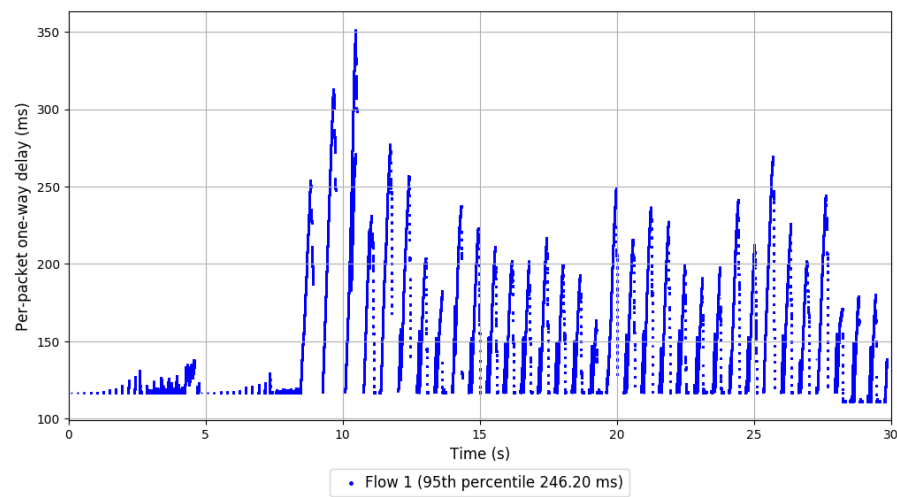
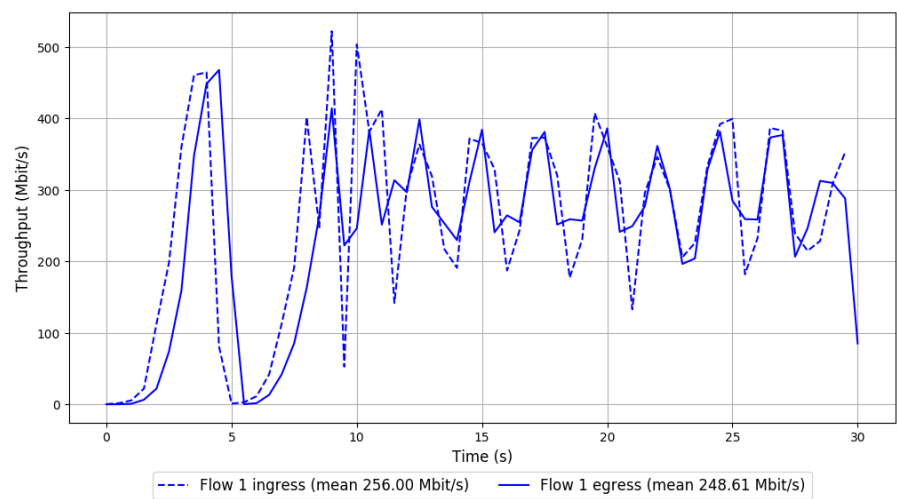


Run 2: Statistics of Verus

Start at: 2018-05-22 08:38:19
End at: 2018-05-22 08:38:49
Local clock offset: -0.198 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-05-22 12:54:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 248.61 Mbit/s
95th percentile per-packet one-way delay: 246.197 ms
Loss rate: 3.63%
-- Flow 1:
Average throughput: 248.61 Mbit/s
95th percentile per-packet one-way delay: 246.197 ms
Loss rate: 3.63%

Run 2: Report of Verus — Data Link

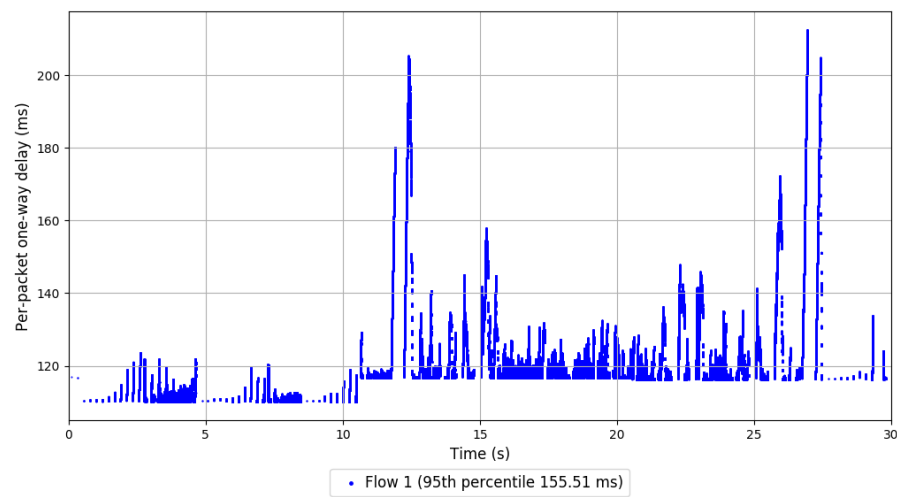
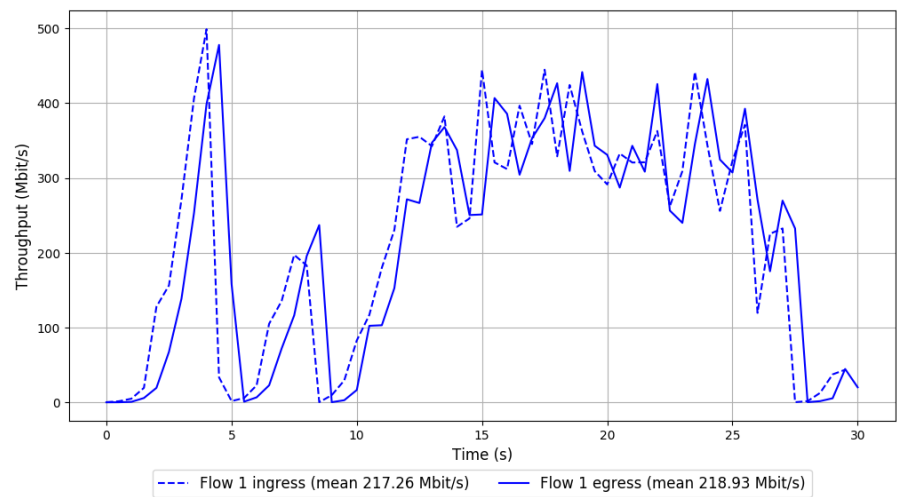


Run 3: Statistics of Verus

Start at: 2018-05-22 08:59:07
End at: 2018-05-22 08:59:37
Local clock offset: -0.263 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-05-22 12:54:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 218.93 Mbit/s
95th percentile per-packet one-way delay: 155.512 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 218.93 Mbit/s
95th percentile per-packet one-way delay: 155.512 ms
Loss rate: 0.18%

Run 3: Report of Verus — Data Link

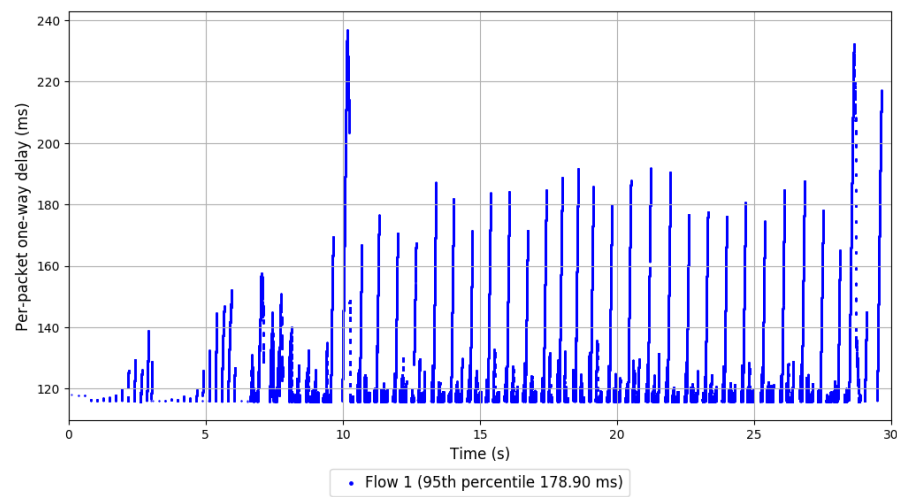
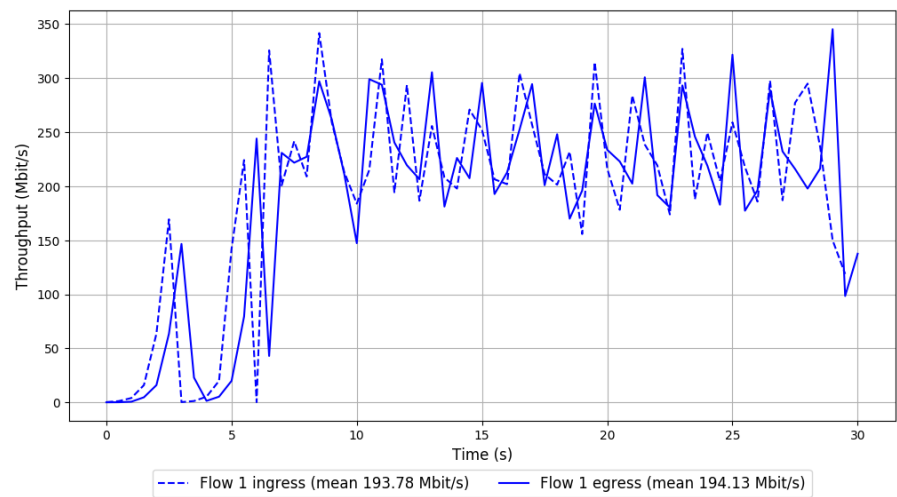


Run 4: Statistics of Verus

Start at: 2018-05-22 09:19:47
End at: 2018-05-22 09:20:17
Local clock offset: 0.286 ms
Remote clock offset: -0.418 ms

Below is generated by plot.py at 2018-05-22 12:54:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 194.13 Mbit/s
95th percentile per-packet one-way delay: 178.901 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 194.13 Mbit/s
95th percentile per-packet one-way delay: 178.901 ms
Loss rate: 1.20%

Run 4: Report of Verus — Data Link

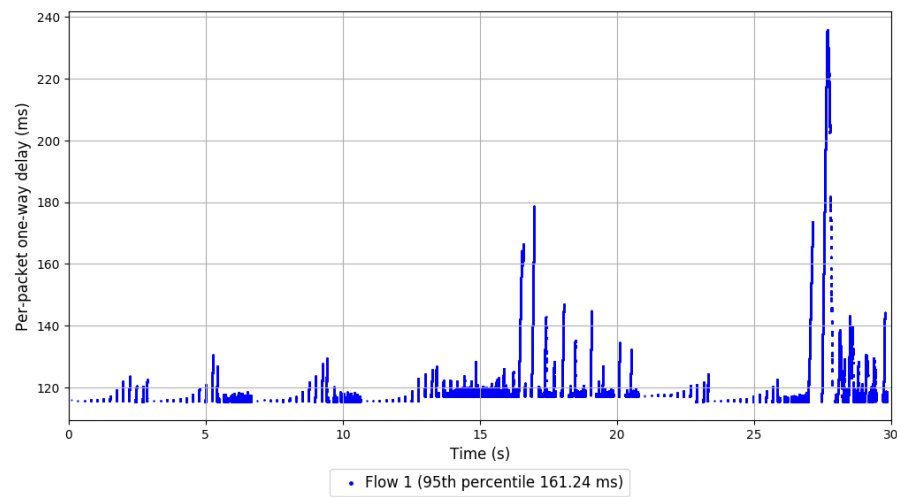
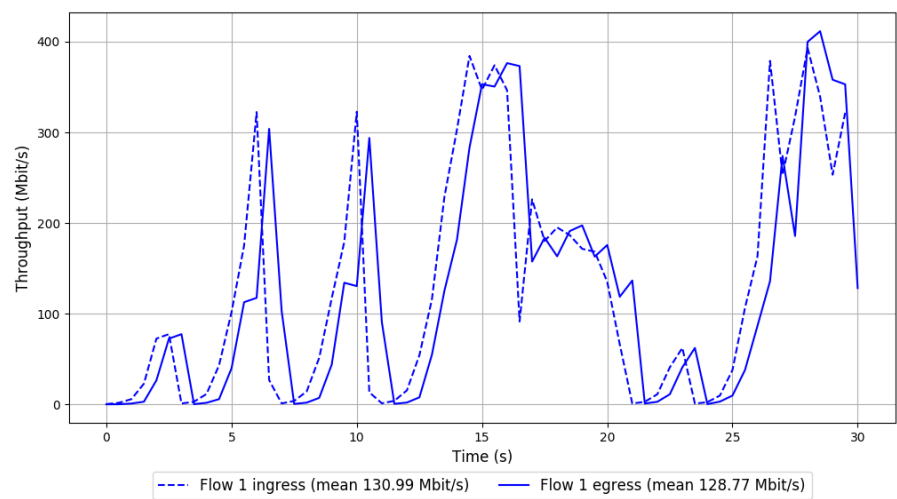


Run 5: Statistics of Verus

Start at: 2018-05-22 09:40:25
End at: 2018-05-22 09:40:55
Local clock offset: 0.182 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-05-22 12:54:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 128.77 Mbit/s
95th percentile per-packet one-way delay: 161.237 ms
Loss rate: 2.46%
-- Flow 1:
Average throughput: 128.77 Mbit/s
95th percentile per-packet one-way delay: 161.237 ms
Loss rate: 2.46%

Run 5: Report of Verus — Data Link

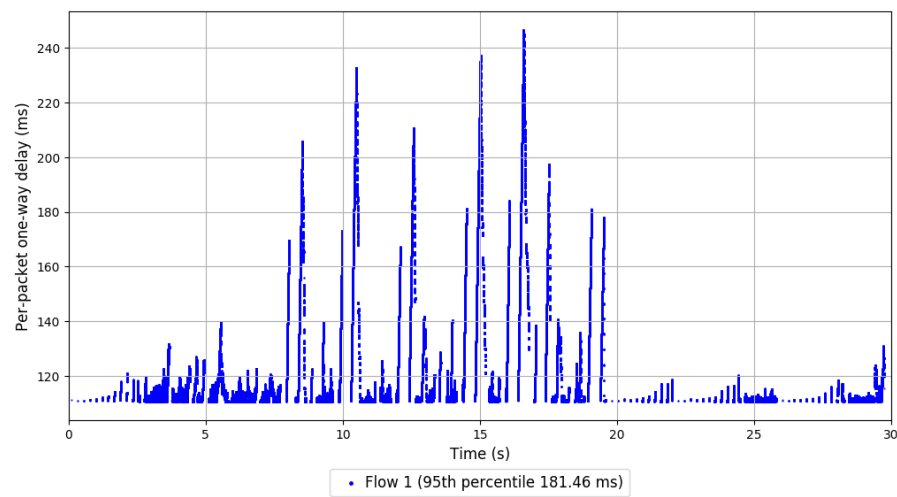
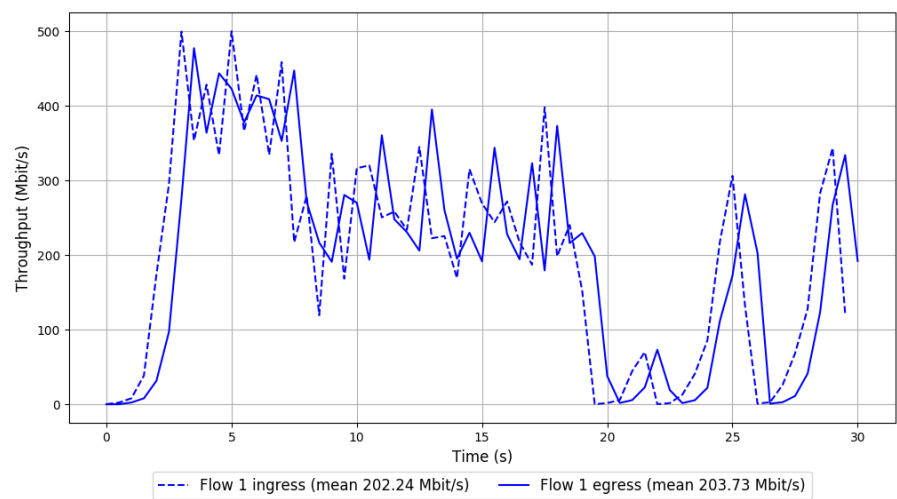


Run 6: Statistics of Verus

Start at: 2018-05-22 10:01:44
End at: 2018-05-22 10:02:14
Local clock offset: 0.273 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-05-22 12:55:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 203.73 Mbit/s
95th percentile per-packet one-way delay: 181.457 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 203.73 Mbit/s
95th percentile per-packet one-way delay: 181.457 ms
Loss rate: 0.01%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-05-22 10:22:45

End at: 2018-05-22 10:23:15

Local clock offset: 0.003 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-05-22 12:55:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 163.77 Mbit/s

95th percentile per-packet one-way delay: 153.618 ms

Loss rate: 1.34%

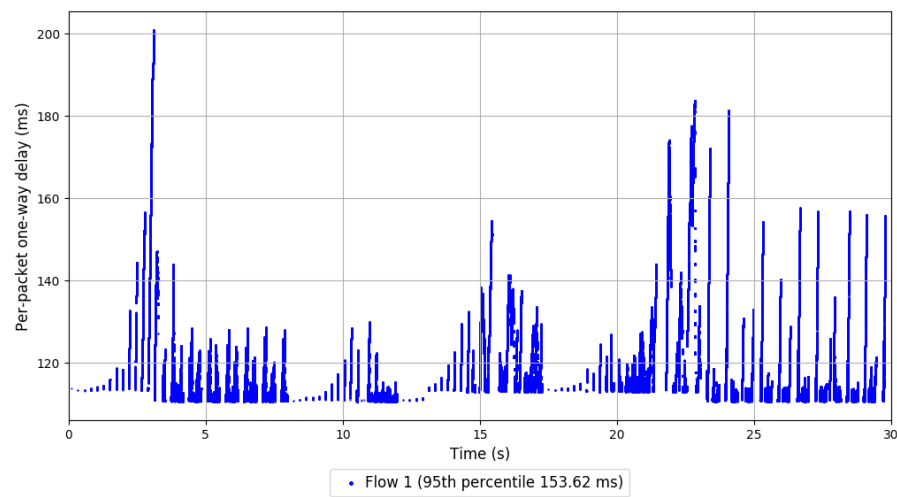
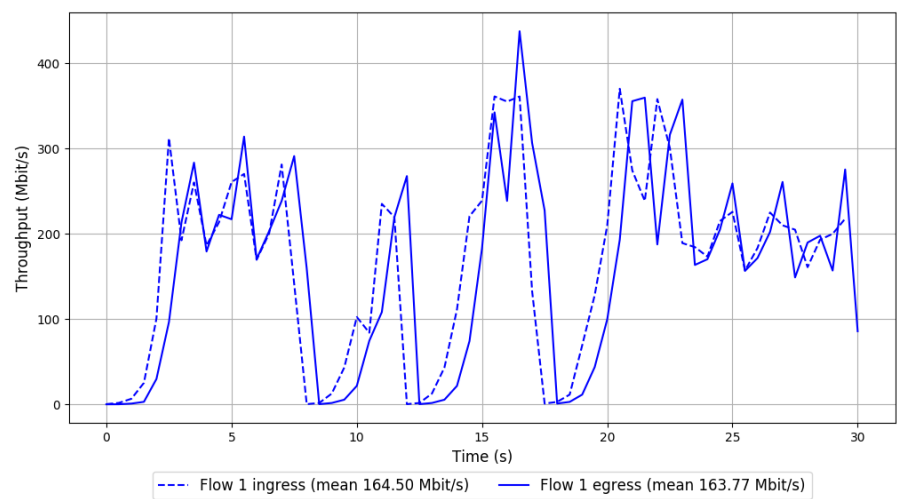
-- Flow 1:

Average throughput: 163.77 Mbit/s

95th percentile per-packet one-way delay: 153.618 ms

Loss rate: 1.34%

Run 7: Report of Verus — Data Link

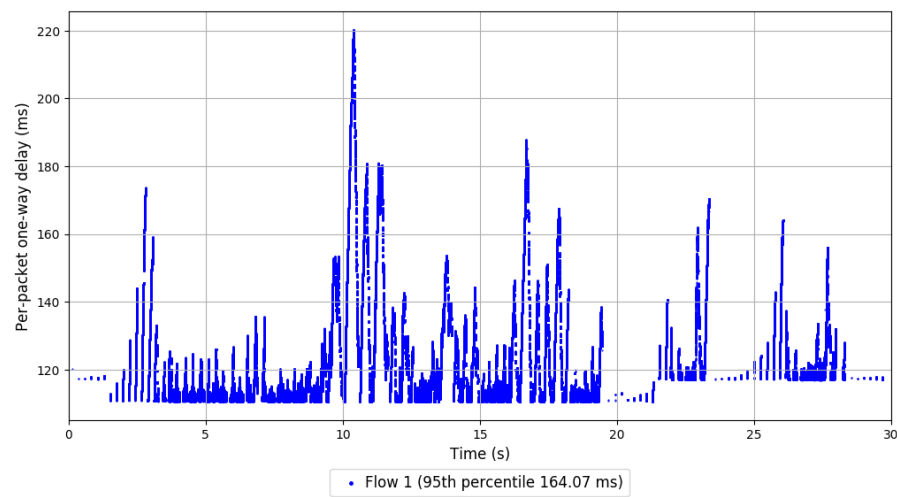
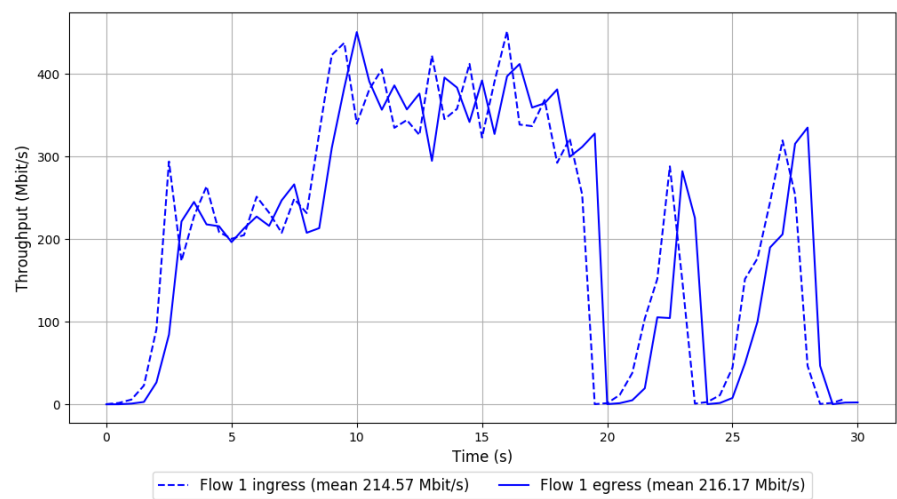


Run 8: Statistics of Verus

Start at: 2018-05-22 10:43:16
End at: 2018-05-22 10:43:46
Local clock offset: 0.362 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-05-22 12:57:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.17 Mbit/s
95th percentile per-packet one-way delay: 164.070 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 216.17 Mbit/s
95th percentile per-packet one-way delay: 164.070 ms
Loss rate: 0.04%

Run 8: Report of Verus — Data Link

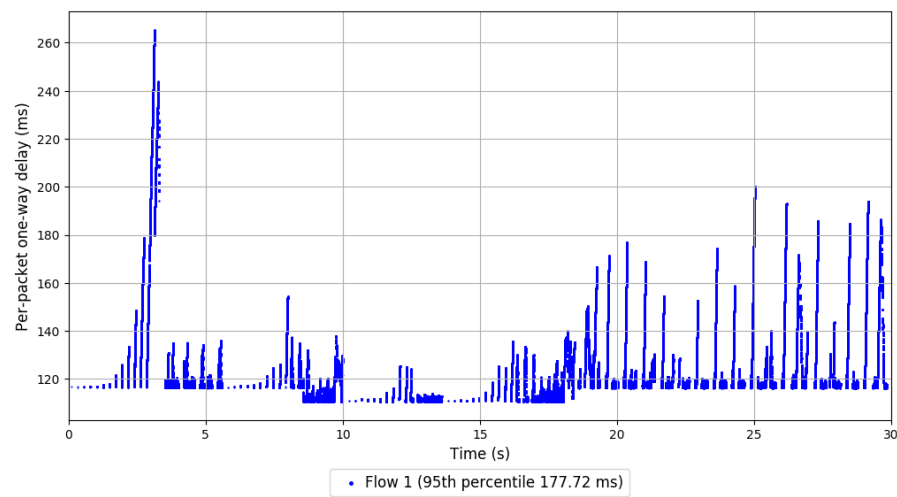
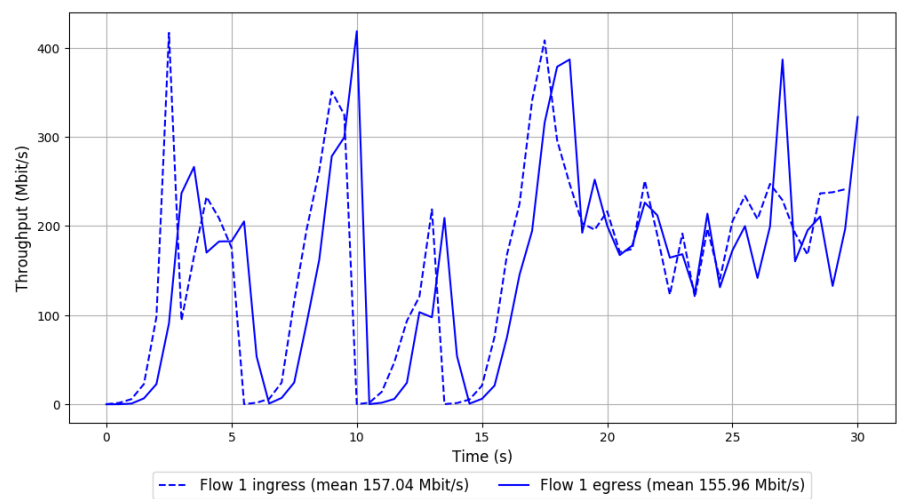


Run 9: Statistics of Verus

Start at: 2018-05-22 11:04:09
End at: 2018-05-22 11:04:39
Local clock offset: 0.215 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-05-22 12:57:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 155.96 Mbit/s
95th percentile per-packet one-way delay: 177.723 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 155.96 Mbit/s
95th percentile per-packet one-way delay: 177.723 ms
Loss rate: 0.96%

Run 9: Report of Verus — Data Link

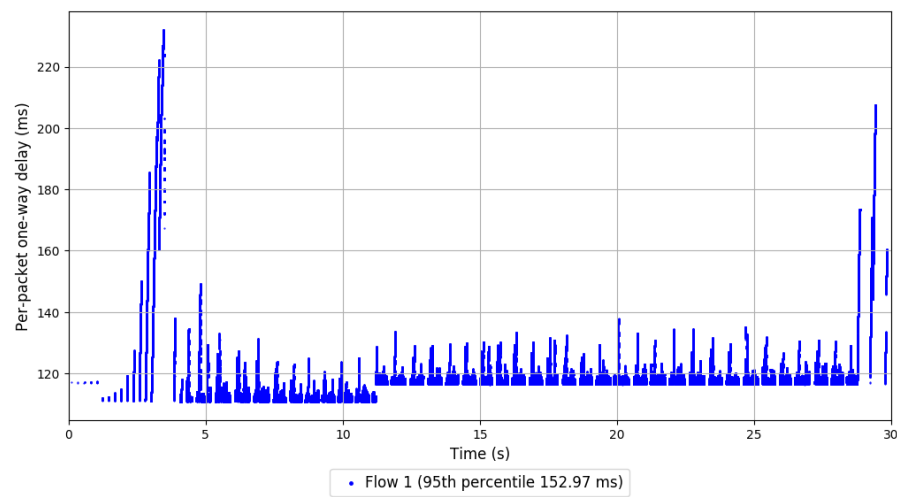
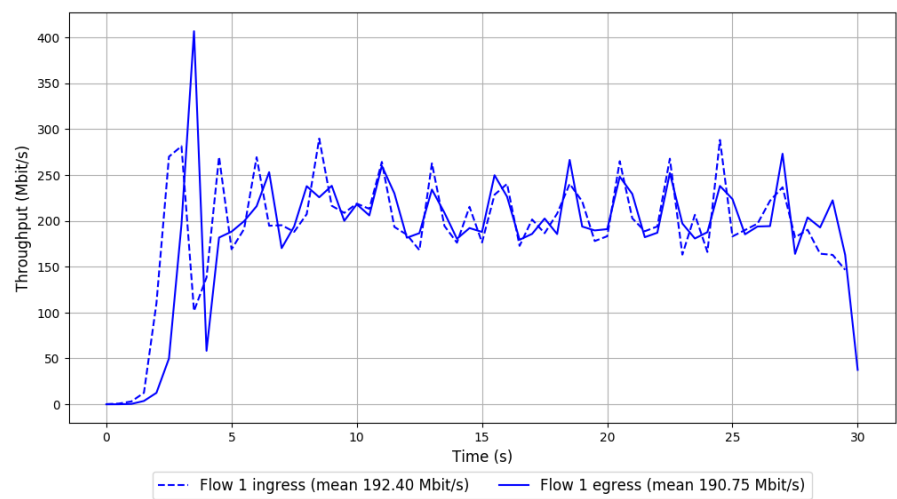


Run 10: Statistics of Verus

Start at: 2018-05-22 11:24:36
End at: 2018-05-22 11:25:06
Local clock offset: 0.21 ms
Remote clock offset: -0.391 ms

Below is generated by plot.py at 2018-05-22 12:57:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 190.75 Mbit/s
95th percentile per-packet one-way delay: 152.970 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 190.75 Mbit/s
95th percentile per-packet one-way delay: 152.970 ms
Loss rate: 1.03%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-05-22 08:16:14

End at: 2018-05-22 08:16:44

Local clock offset: -0.242 ms

Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-05-22 13:00:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 301.15 Mbit/s

95th percentile per-packet one-way delay: 227.935 ms

Loss rate: 1.36%

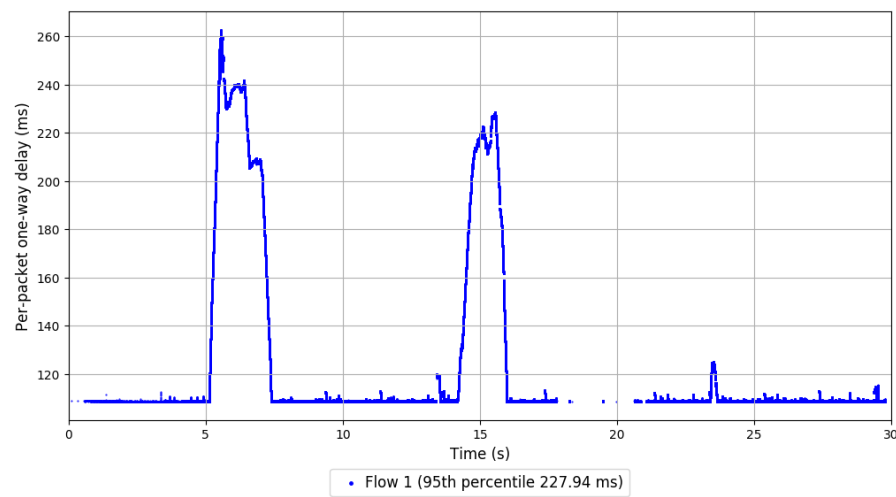
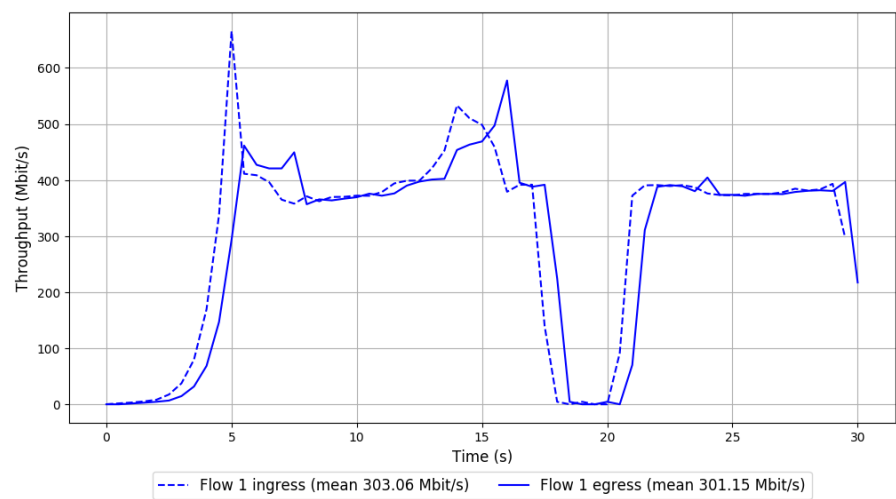
-- Flow 1:

Average throughput: 301.15 Mbit/s

95th percentile per-packet one-way delay: 227.935 ms

Loss rate: 1.36%

Run 1: Report of PCC-Vivace — Data Link

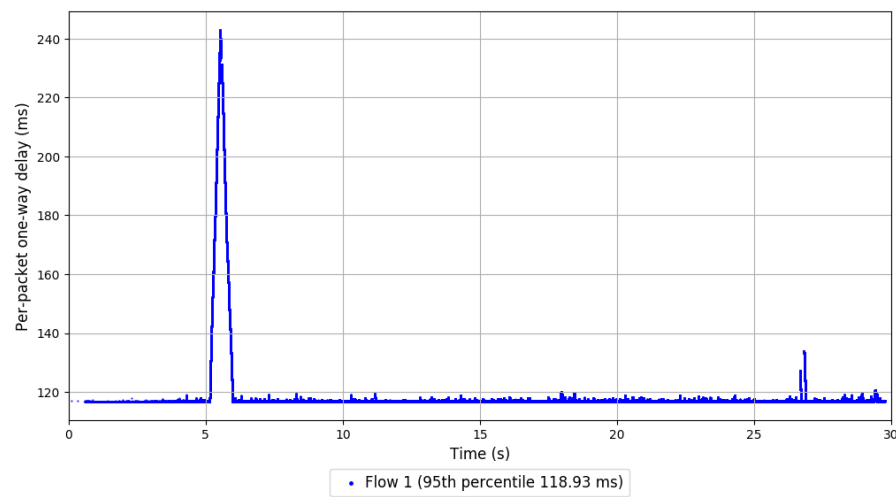
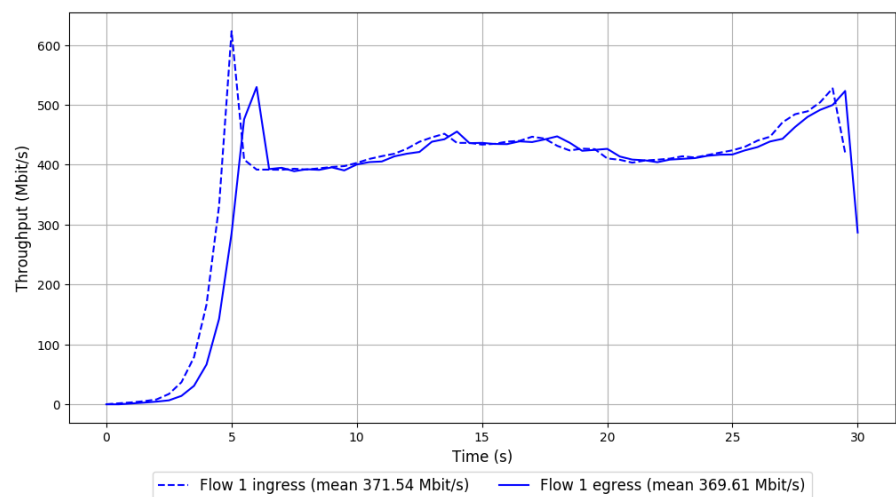


Run 2: Statistics of PCC-Vivace

Start at: 2018-05-22 08:36:45
End at: 2018-05-22 08:37:15
Local clock offset: -0.134 ms
Remote clock offset: -0.402 ms

Below is generated by plot.py at 2018-05-22 13:02:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 369.61 Mbit/s
95th percentile per-packet one-way delay: 118.929 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 369.61 Mbit/s
95th percentile per-packet one-way delay: 118.929 ms
Loss rate: 1.28%

Run 2: Report of PCC-Vivace — Data Link

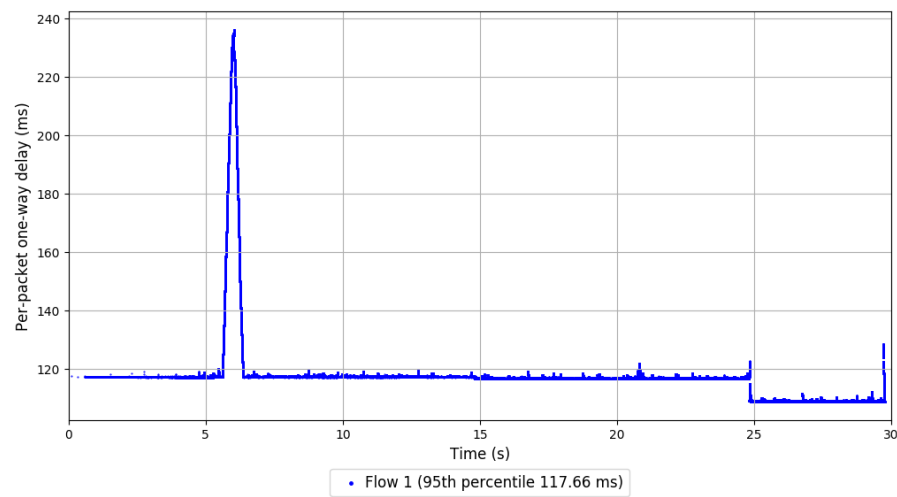
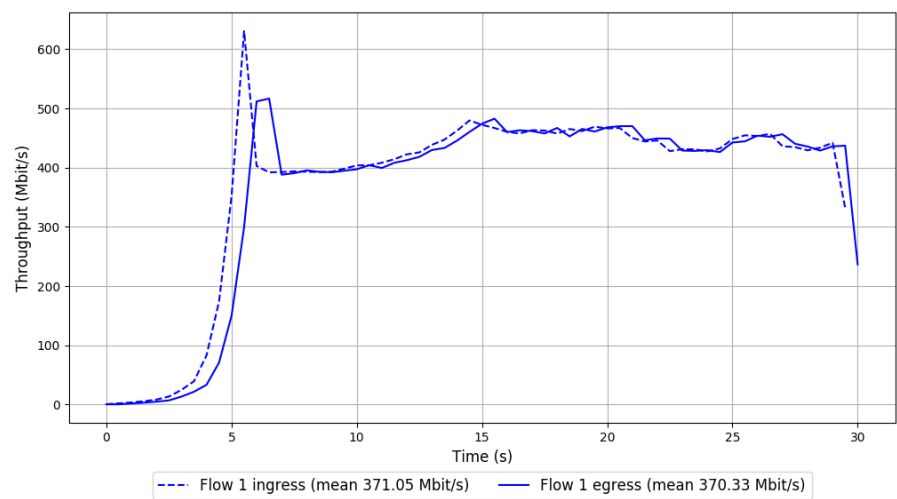


Run 3: Statistics of PCC-Vivace

Start at: 2018-05-22 08:57:33
End at: 2018-05-22 08:58:03
Local clock offset: -0.001 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-05-22 13:03:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 370.33 Mbit/s
95th percentile per-packet one-way delay: 117.662 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 370.33 Mbit/s
95th percentile per-packet one-way delay: 117.662 ms
Loss rate: 0.95%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-05-22 09:18:23

End at: 2018-05-22 09:18:53

Local clock offset: 0.056 ms

Remote clock offset: -0.435 ms

Below is generated by plot.py at 2018-05-22 13:03:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.32 Mbit/s

95th percentile per-packet one-way delay: 112.119 ms

Loss rate: 1.49%

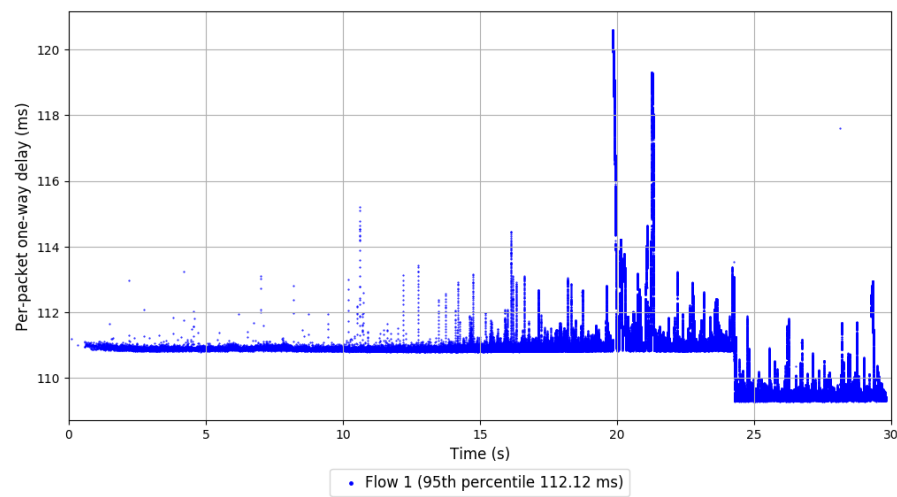
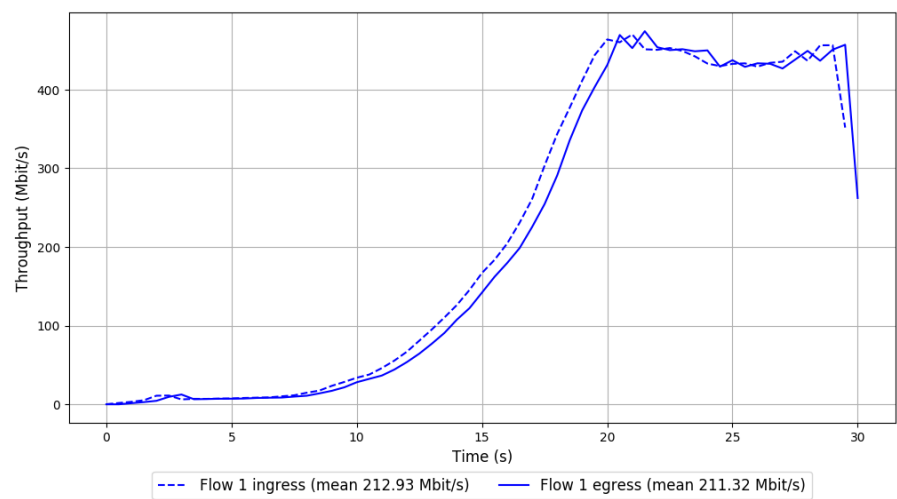
-- Flow 1:

Average throughput: 211.32 Mbit/s

95th percentile per-packet one-way delay: 112.119 ms

Loss rate: 1.49%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-05-22 09:38:50

End at: 2018-05-22 09:39:20

Local clock offset: 0.195 ms

Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-05-22 13:03:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 370.58 Mbit/s

95th percentile per-packet one-way delay: 113.584 ms

Loss rate: 0.49%

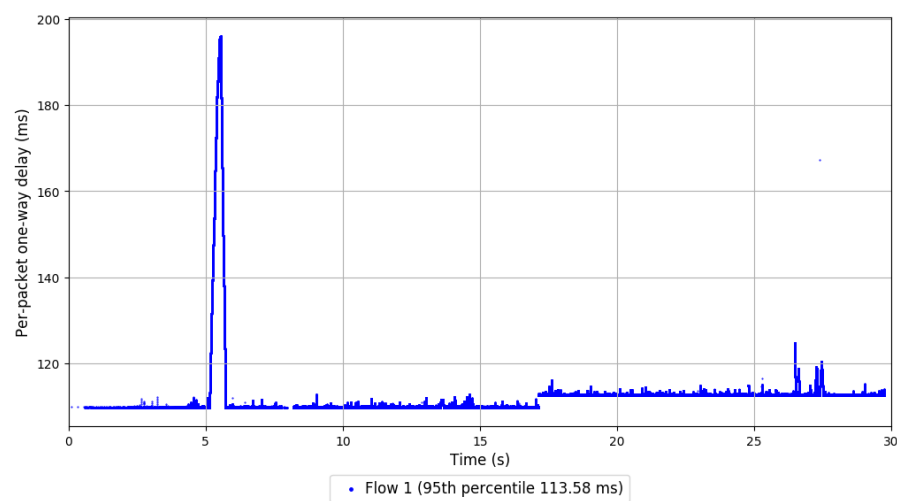
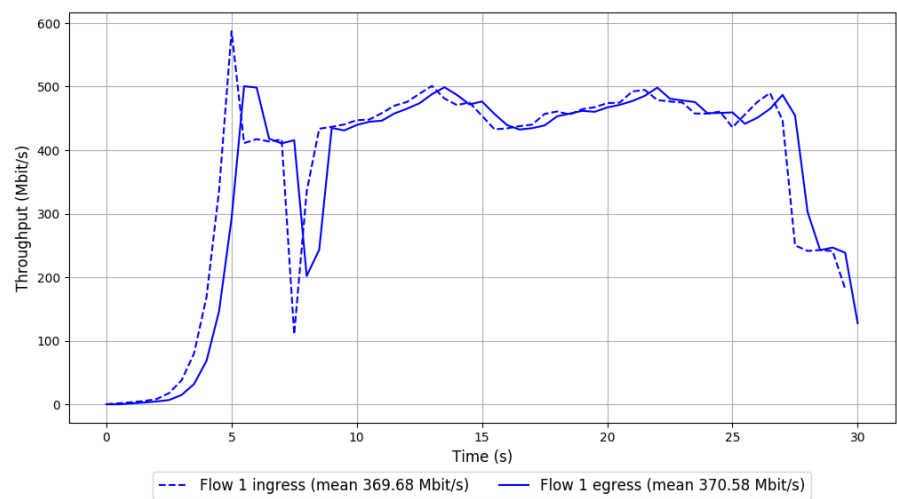
-- Flow 1:

Average throughput: 370.58 Mbit/s

95th percentile per-packet one-way delay: 113.584 ms

Loss rate: 0.49%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-05-22 10:00:08

End at: 2018-05-22 10:00:38

Local clock offset: 0.091 ms

Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-05-22 13:03:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 374.73 Mbit/s

95th percentile per-packet one-way delay: 116.493 ms

Loss rate: 1.26%

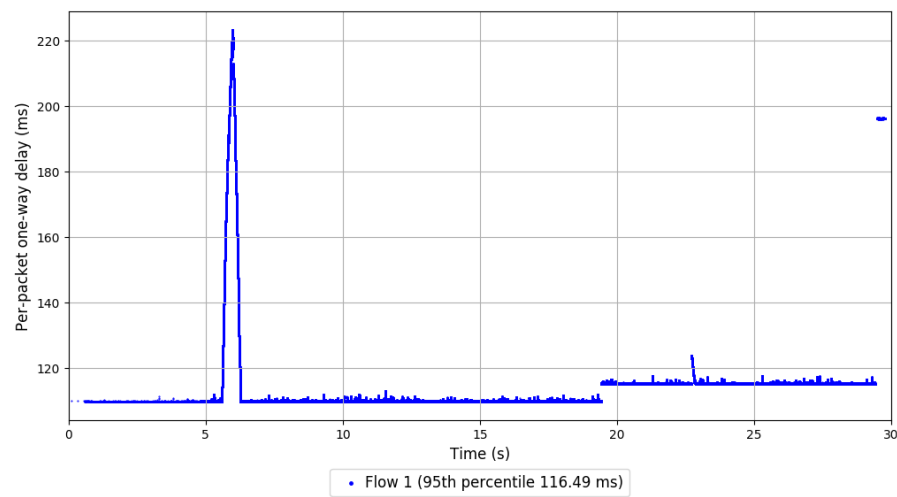
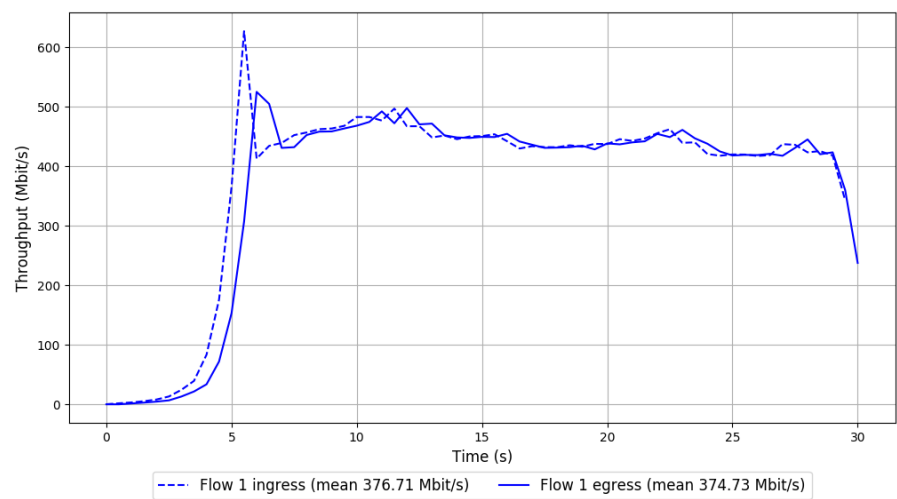
-- Flow 1:

Average throughput: 374.73 Mbit/s

95th percentile per-packet one-way delay: 116.493 ms

Loss rate: 1.26%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-05-22 10:21:21

End at: 2018-05-22 10:21:51

Local clock offset: 0.387 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-05-22 13:03:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.66 Mbit/s

95th percentile per-packet one-way delay: 115.781 ms

Loss rate: 1.51%

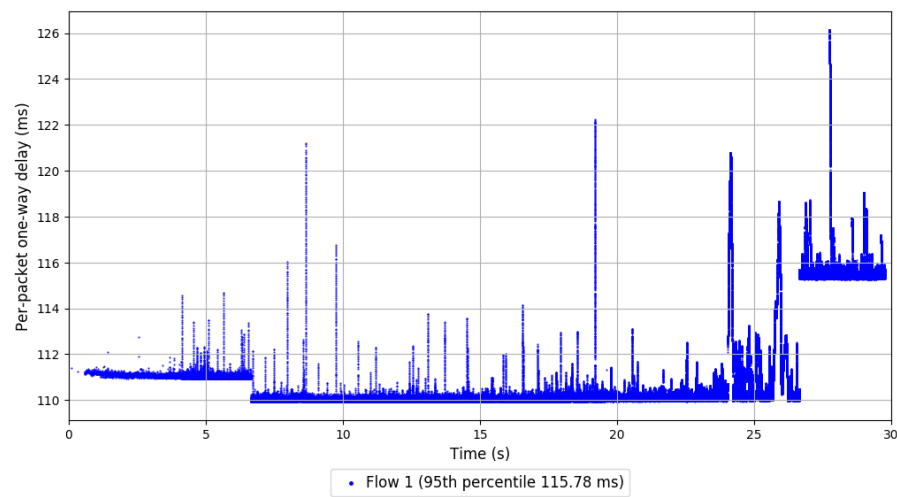
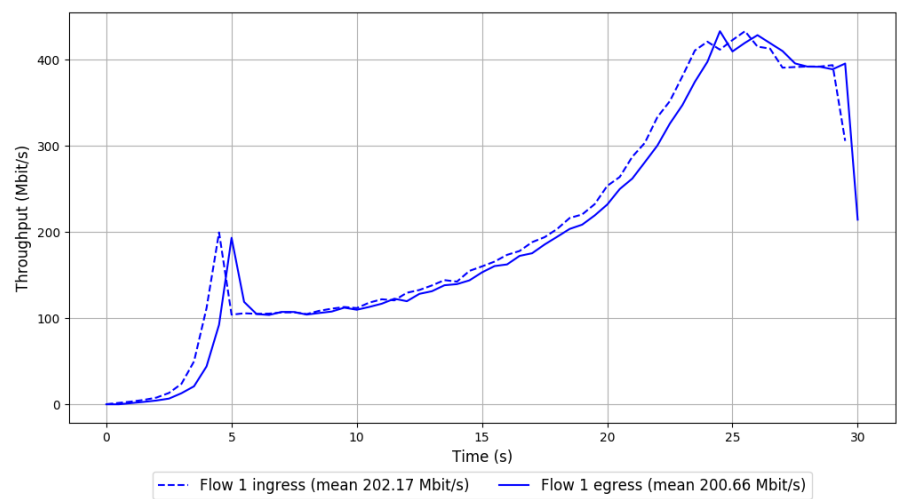
-- Flow 1:

Average throughput: 200.66 Mbit/s

95th percentile per-packet one-way delay: 115.781 ms

Loss rate: 1.51%

Run 7: Report of PCC-Vivace — Data Link

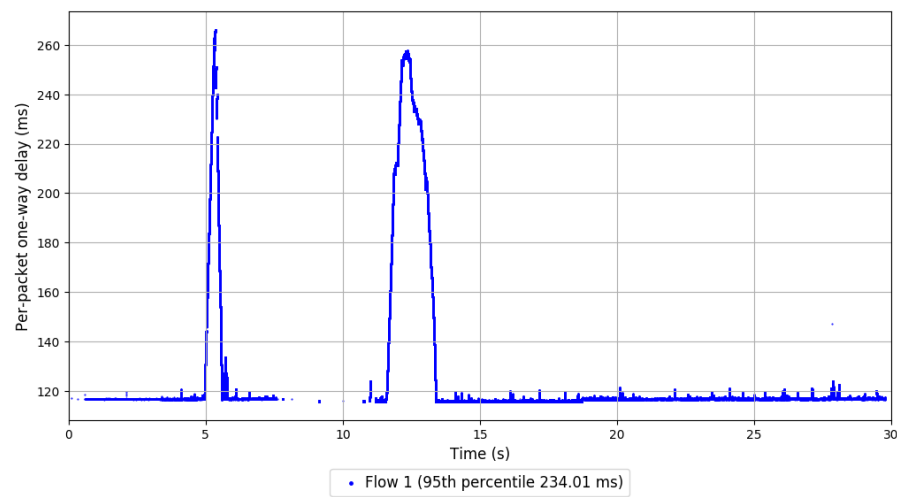
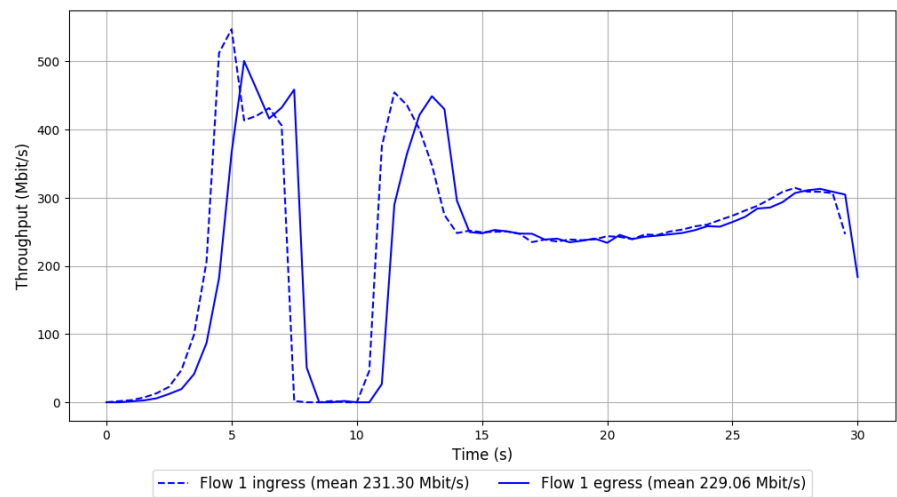


Run 8: Statistics of PCC-Vivace

Start at: 2018-05-22 10:41:49
End at: 2018-05-22 10:42:19
Local clock offset: 0.07 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-05-22 13:03:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 229.06 Mbit/s
95th percentile per-packet one-way delay: 234.014 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 229.06 Mbit/s
95th percentile per-packet one-way delay: 234.014 ms
Loss rate: 1.72%

Run 8: Report of PCC-Vivace — Data Link

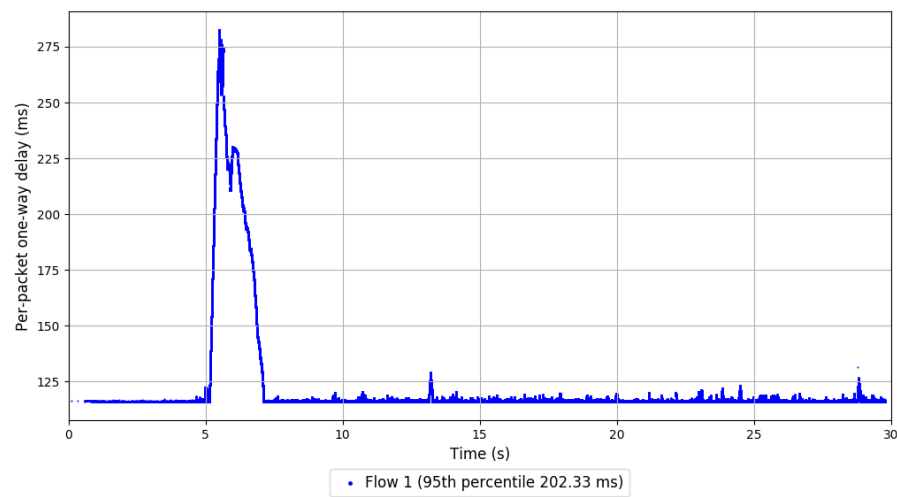
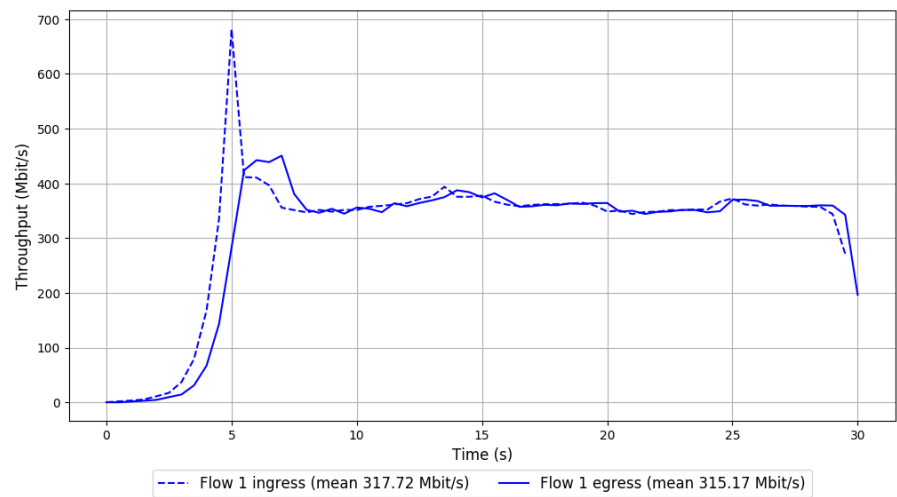


Run 9: Statistics of PCC-Vivace

Start at: 2018-05-22 11:02:38
End at: 2018-05-22 11:03:08
Local clock offset: 0.159 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-05-22 13:03:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 315.17 Mbit/s
95th percentile per-packet one-way delay: 202.327 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 315.17 Mbit/s
95th percentile per-packet one-way delay: 202.327 ms
Loss rate: 1.55%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-05-22 11:23:14

End at: 2018-05-22 11:23:44

Local clock offset: 0.12 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-05-22 13:03:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.08 Mbit/s

95th percentile per-packet one-way delay: 125.846 ms

Loss rate: 1.36%

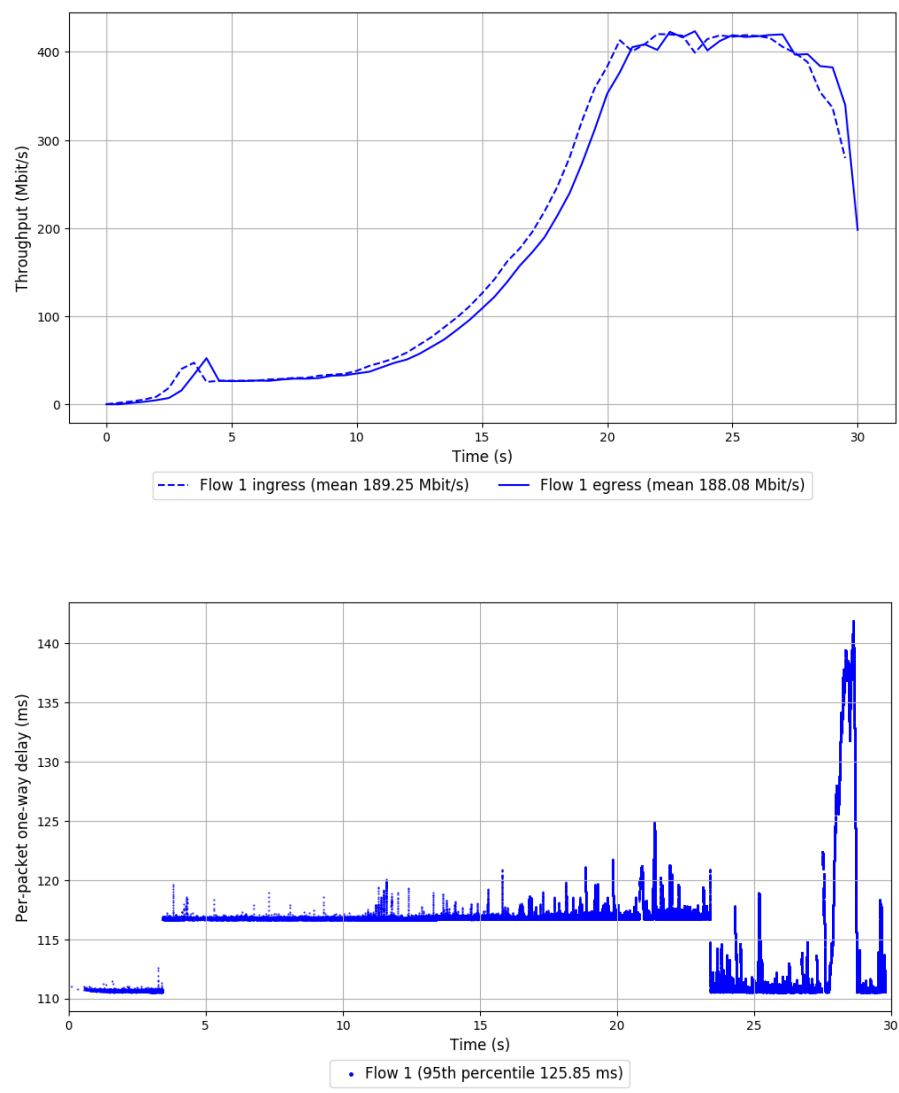
-- Flow 1:

Average throughput: 188.08 Mbit/s

95th percentile per-packet one-way delay: 125.846 ms

Loss rate: 1.36%

Run 10: Report of PCC-Vivace — Data Link

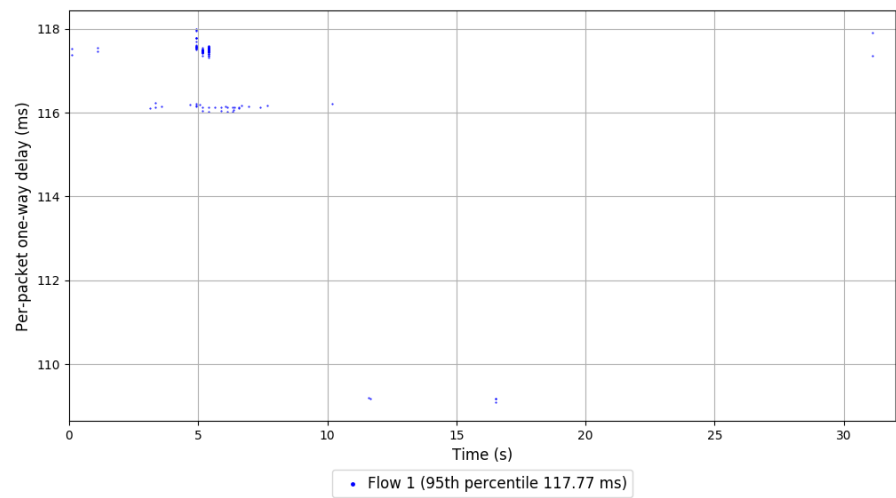
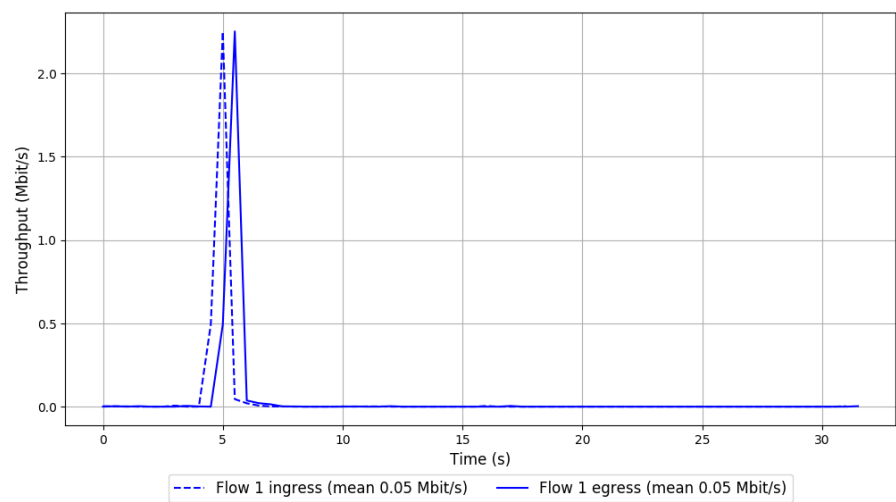


```
Run 1: Statistics of WebRTC media

Start at: 2018-05-22 08:27:58
End at: 2018-05-22 08:28:28
Local clock offset: -0.141 ms
Remote clock offset: -0.418 ms

# Below is generated by plot.py at 2018-05-22 13:03:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 117.772 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 117.772 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-05-22 08:48:45

End at: 2018-05-22 08:49:15

Local clock offset: 0.022 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2018-05-22 13:03:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 117.313 ms

Loss rate: 0.00%

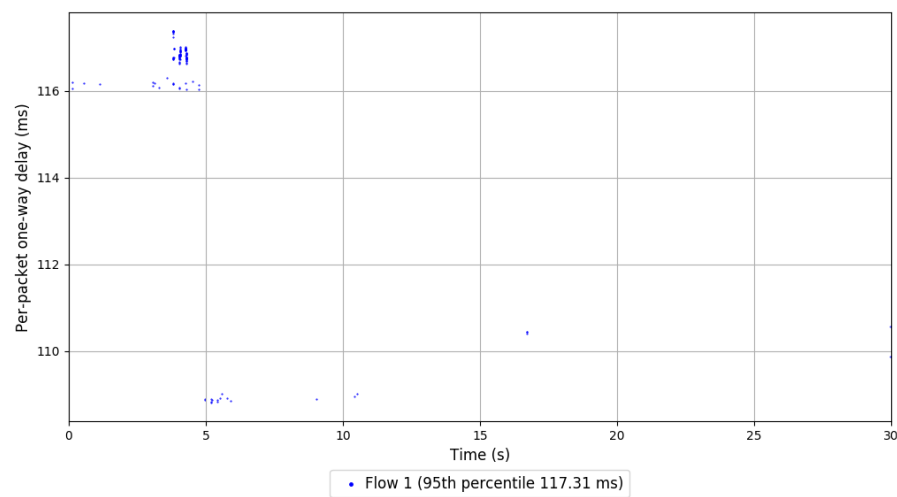
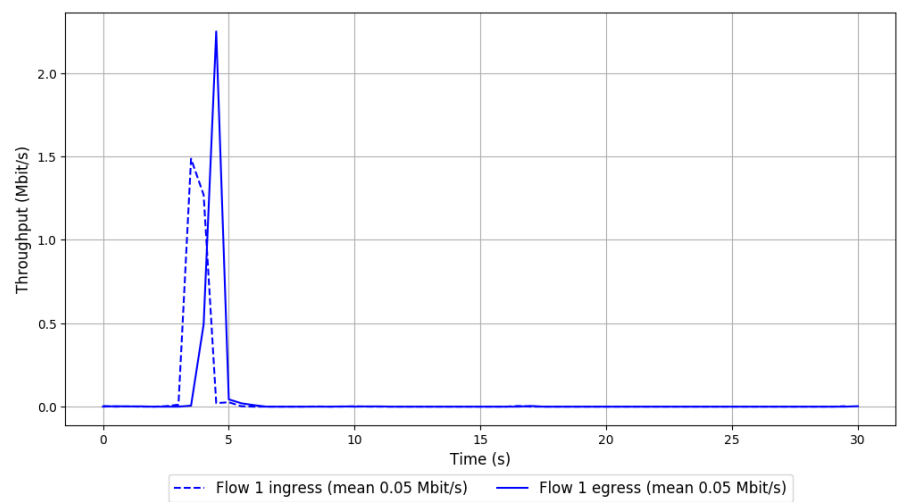
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 117.313 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

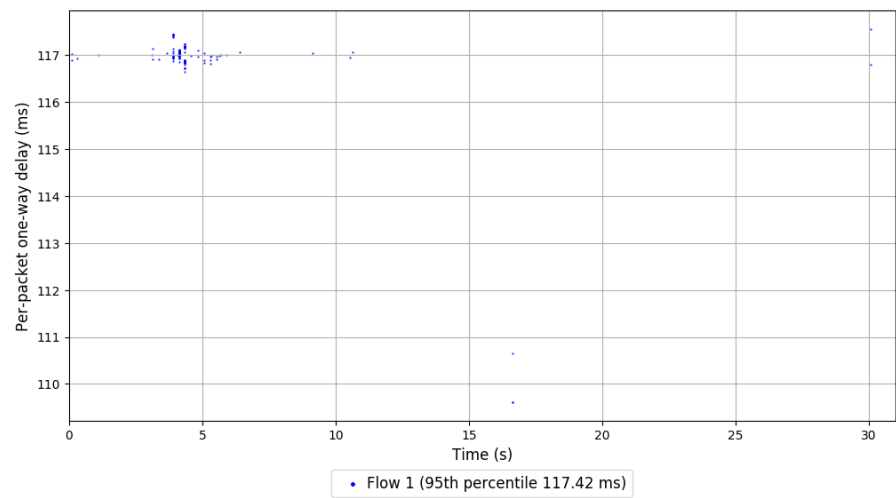
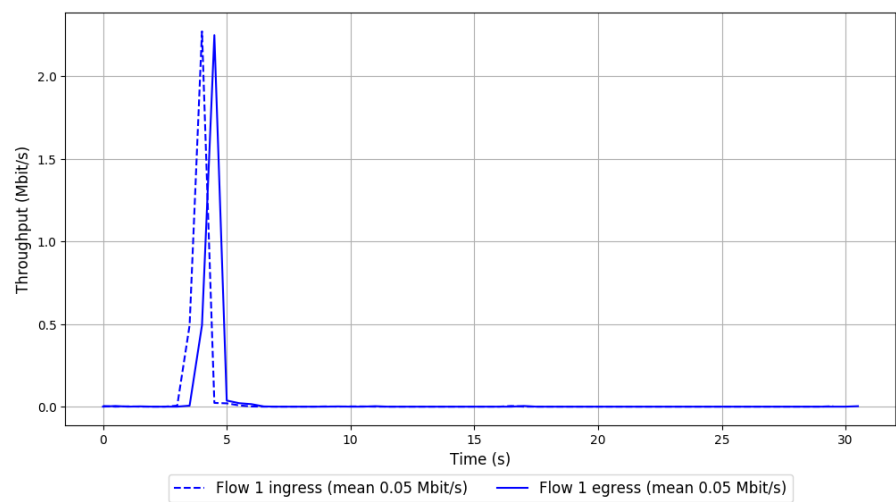


Run 3: Statistics of WebRTC media

Start at: 2018-05-22 09:09:37
End at: 2018-05-22 09:10:07
Local clock offset: 0.089 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-05-22 13:03:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 117.425 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 117.425 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

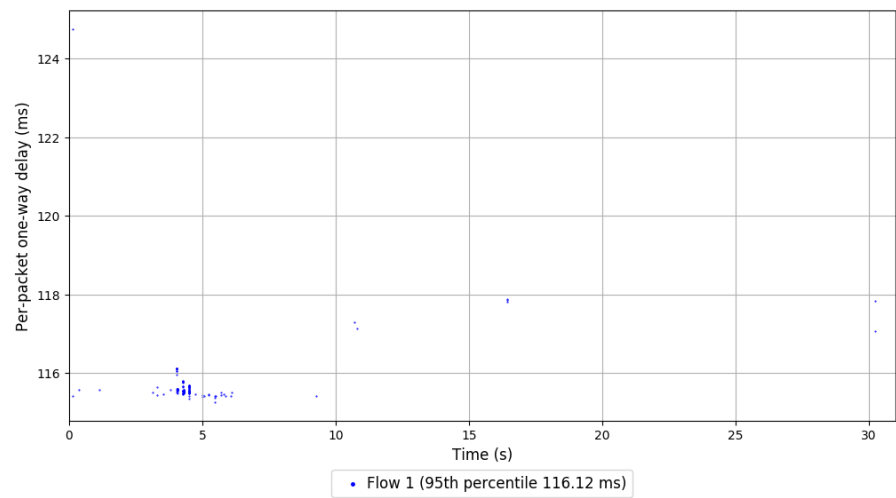
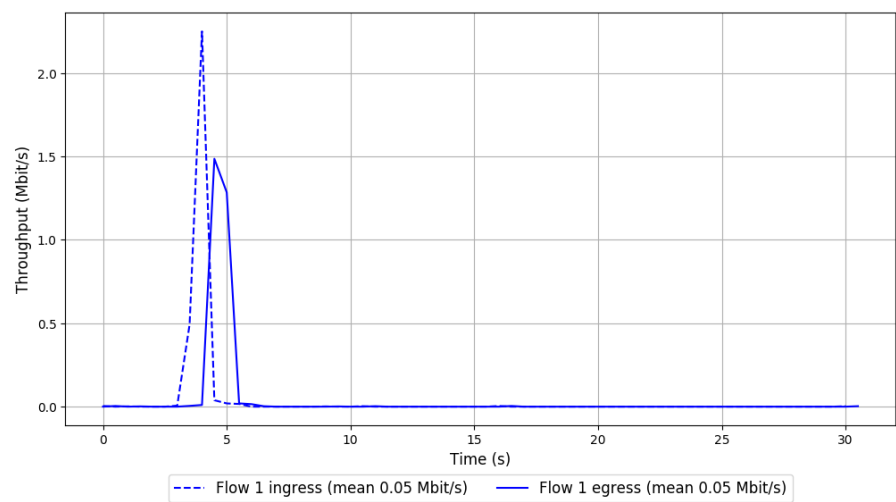


Run 4: Statistics of WebRTC media

Start at: 2018-05-22 09:30:00
End at: 2018-05-22 09:30:30
Local clock offset: -0.251 ms
Remote clock offset: -0.438 ms

Below is generated by plot.py at 2018-05-22 13:03:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 116.123 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 116.123 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

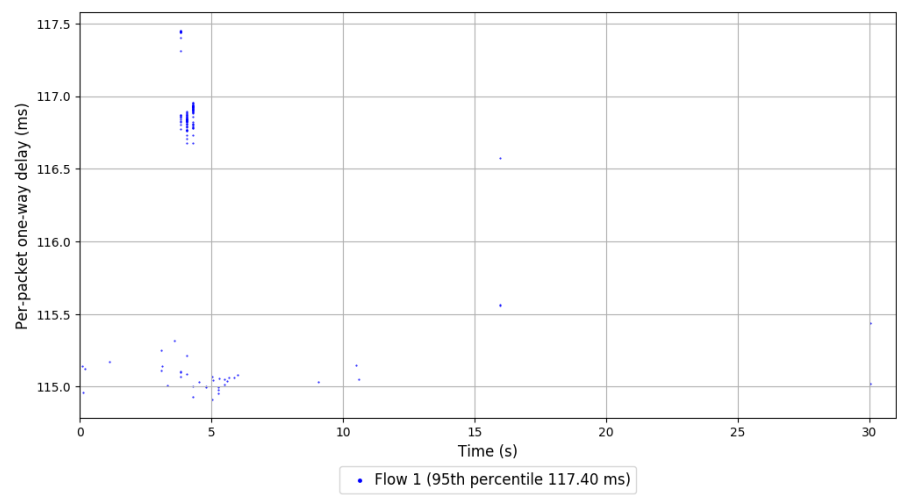
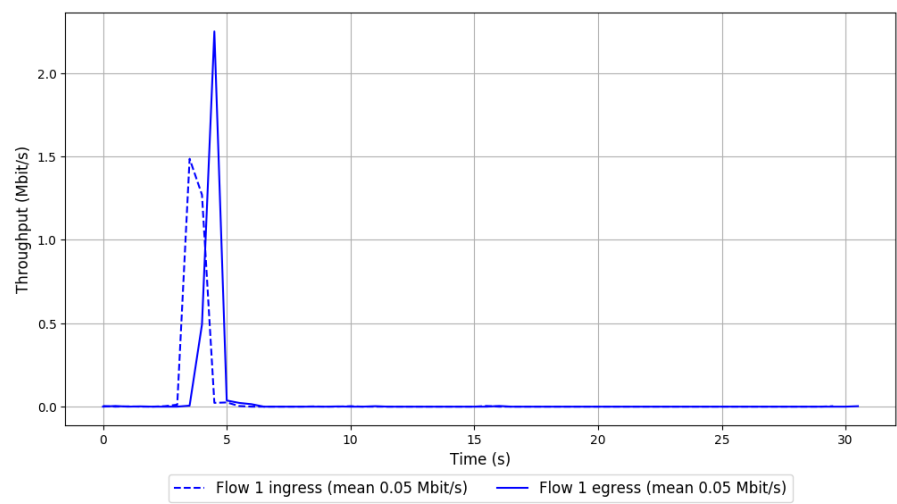


Run 5: Statistics of WebRTC media

Start at: 2018-05-22 09:50:48
End at: 2018-05-22 09:51:18
Local clock offset: -0.274 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-05-22 13:03:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 117.402 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 117.402 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

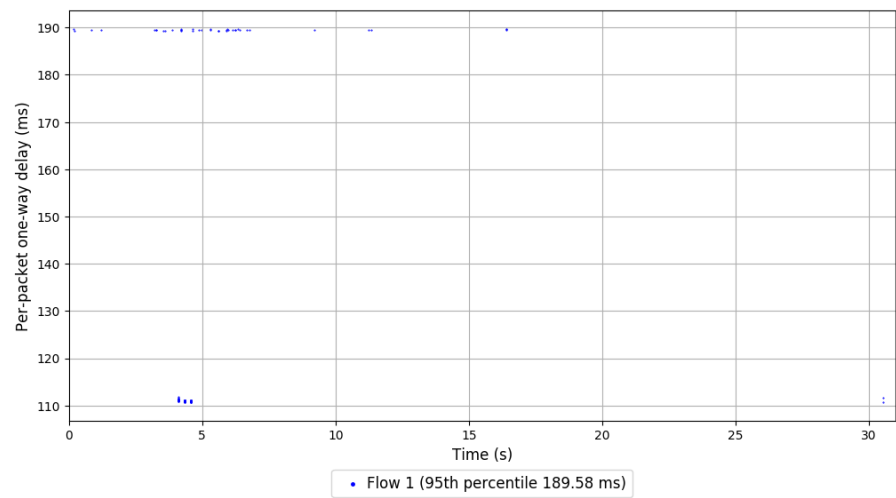
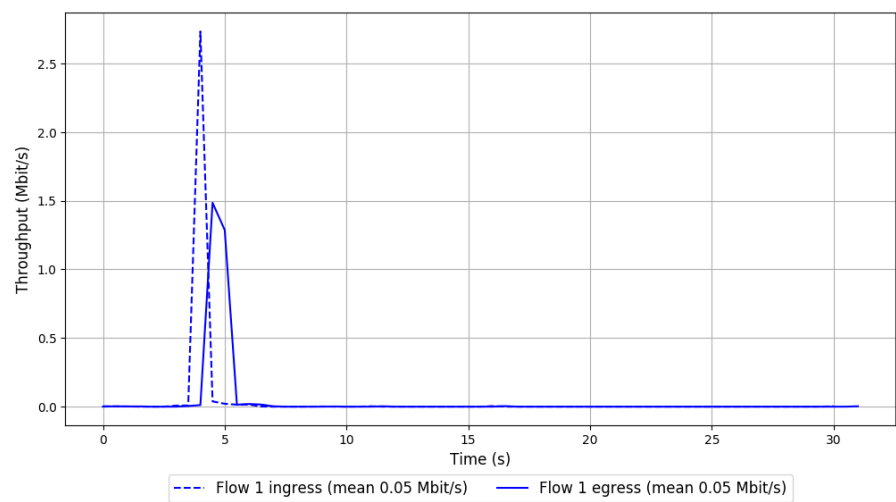


Run 6: Statistics of WebRTC media

Start at: 2018-05-22 10:12:21
End at: 2018-05-22 10:12:51
Local clock offset: 0.17 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-05-22 13:03:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 189.577 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 189.577 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-05-22 10:33:03

End at: 2018-05-22 10:33:33

Local clock offset: -0.04 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-05-22 13:03:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 115.301 ms

Loss rate: 0.00%

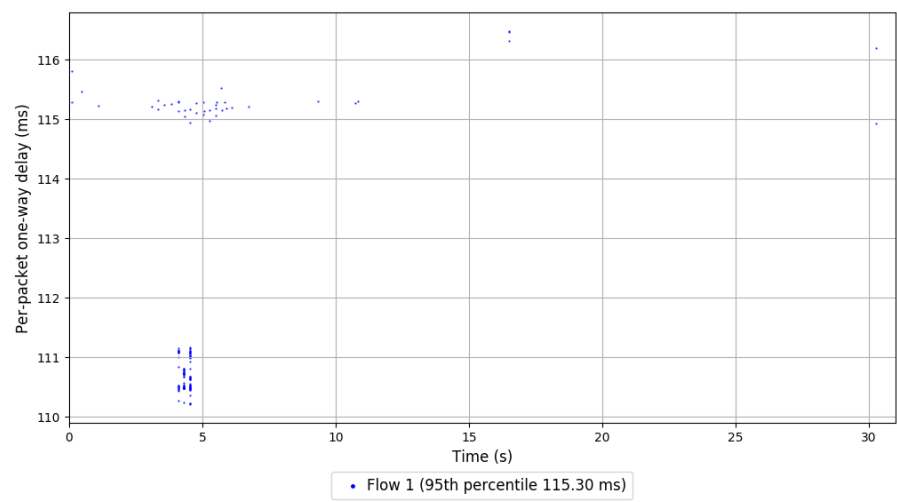
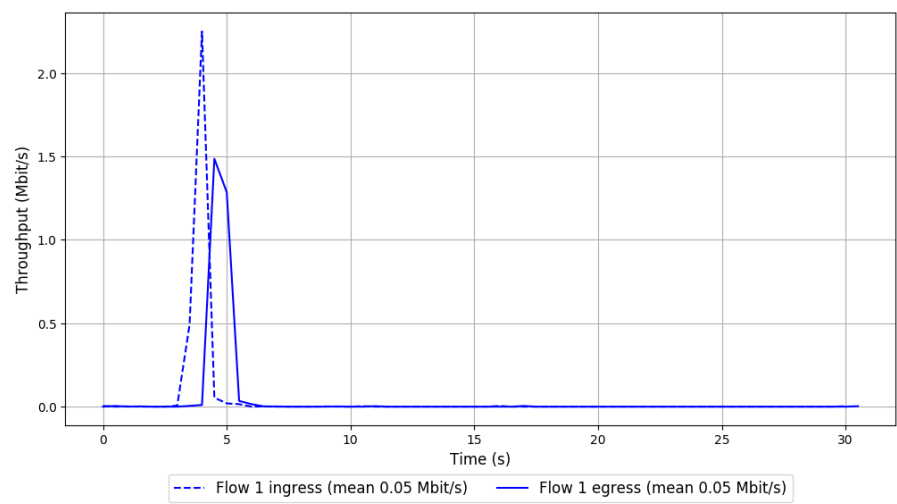
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 115.301 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

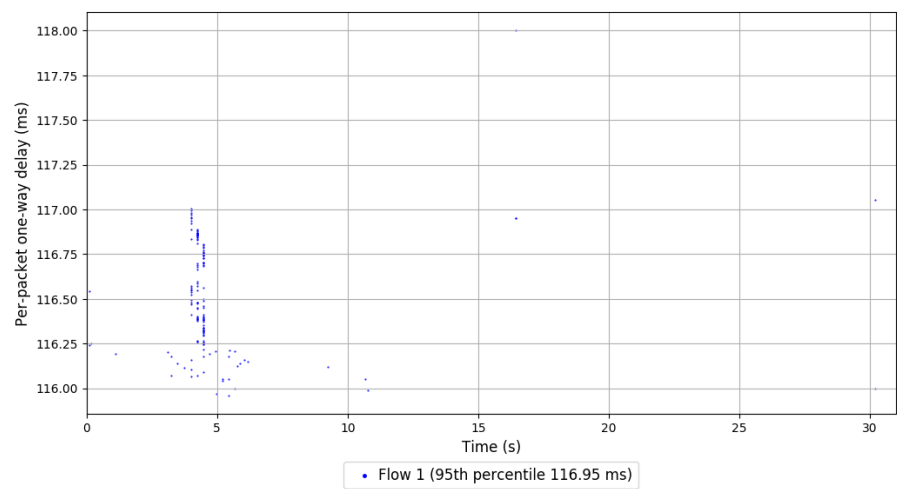
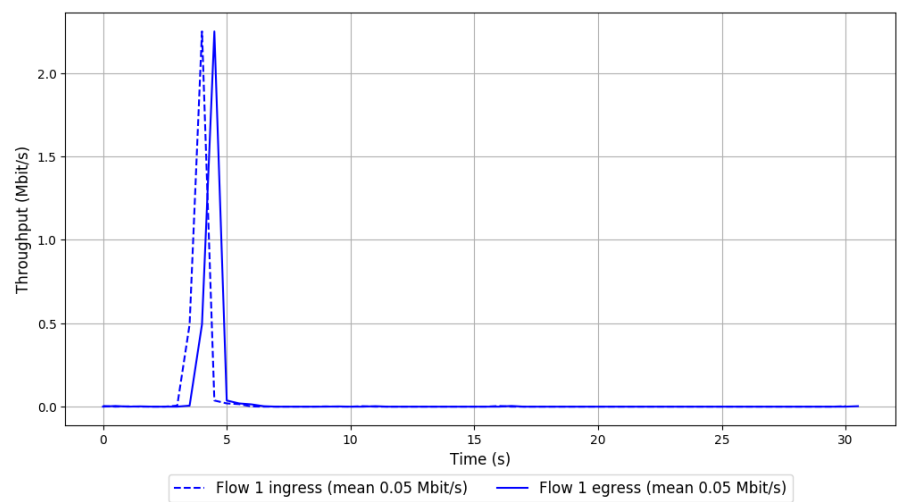


Run 8: Statistics of WebRTC media

Start at: 2018-05-22 10:53:51
End at: 2018-05-22 10:54:21
Local clock offset: 0.138 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-05-22 13:03:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 116.950 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 116.950 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-05-22 11:14:21

End at: 2018-05-22 11:14:51

Local clock offset: 0.04 ms

Remote clock offset: 0.386 ms

Below is generated by plot.py at 2018-05-22 13:03:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 116.348 ms

Loss rate: 0.00%

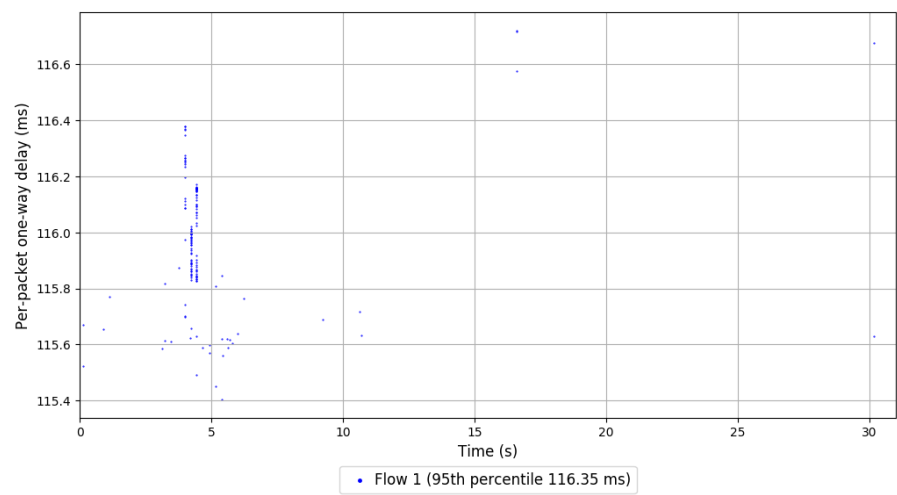
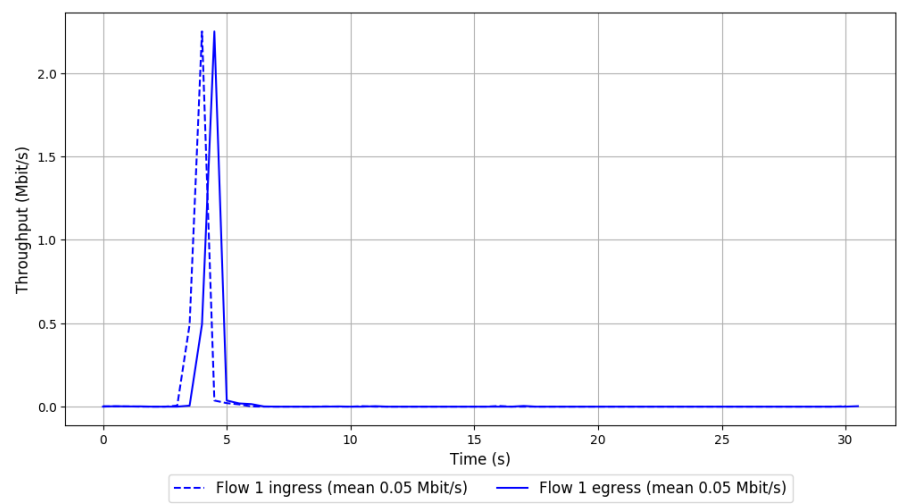
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 116.348 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-22 11:35:06

End at: 2018-05-22 11:35:36

Local clock offset: 0.04 ms

Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-05-22 13:03:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 116.778 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 116.778 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

