

Pantheon Report

Generated at 2018-05-24 15:57:05 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

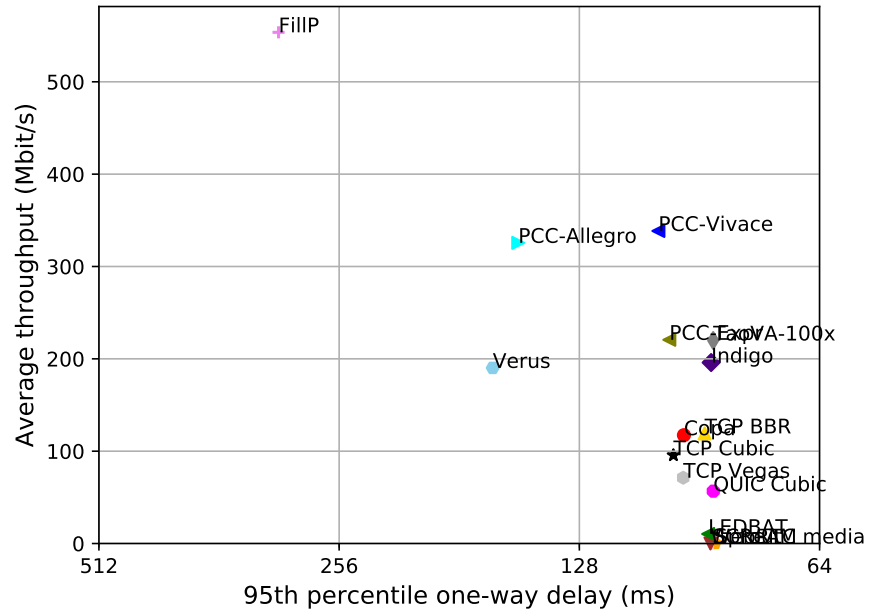
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

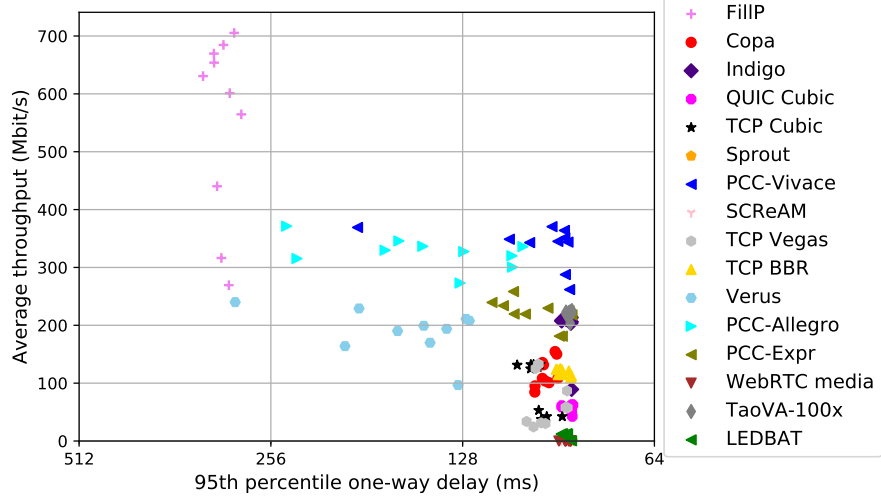
Git summary:

```
branch: master @ 0088822873ea99180f63545a341ef069f40efe59
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 Iowa to GCE Sydney, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from GCE Iowa to GCE Sydney, 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	119.26	89.17	0.65
Copa	10	117.33	94.66	0.55
TCP Cubic	10	95.59	97.58	0.43
FillP	10	553.59	304.90	2.67
Indigo	9	195.98	87.51	0.61
LEDBAT	10	10.36	88.27	1.03
PCC-Allegro	10	325.59	152.68	1.17
PCC-Expr	10	220.58	98.74	0.93
QUIC Cubic	9	56.70	86.97	0.73
SCReAM	10	0.22	87.21	0.52
Sprout	10	0.29	86.60	0.46
TaoVA-100x	10	219.87	87.00	0.55
TCP Vegas	10	71.25	94.85	0.48
Verus	10	190.17	164.35	1.62
PCC-Vivace	10	338.47	101.91	0.83
WebRTC media	9	0.05	87.69	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-05-24 11:28:38

End at: 2018-05-24 11:29:08

Local clock offset: 0.022 ms

Remote clock offset: -0.117 ms

Below is generated by plot.py at 2018-05-24 14:47:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.70 Mbit/s

95th percentile per-packet one-way delay: 89.514 ms

Loss rate: 0.64%

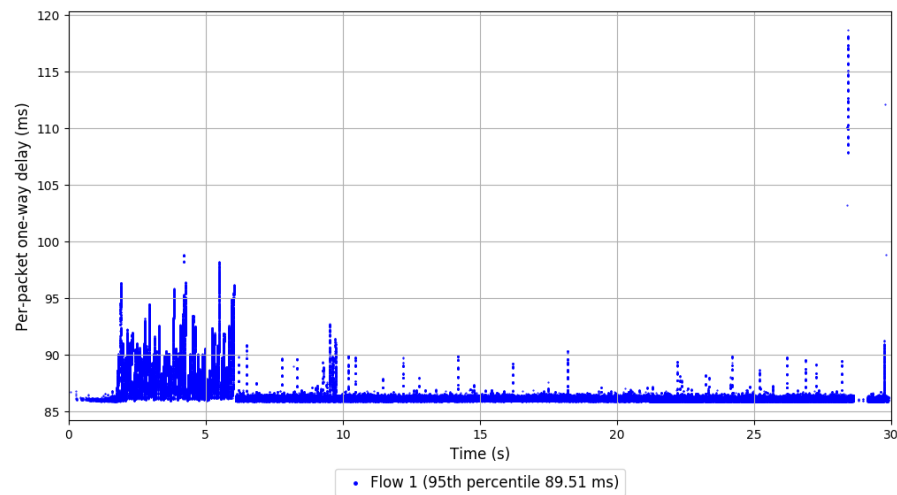
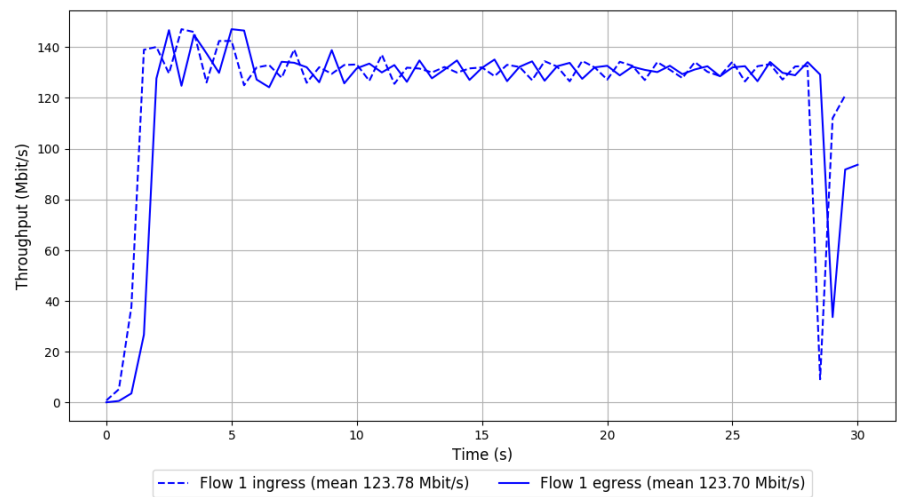
-- Flow 1:

Average throughput: 123.70 Mbit/s

95th percentile per-packet one-way delay: 89.514 ms

Loss rate: 0.64%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-05-24 11:49:09

End at: 2018-05-24 11:49:39

Local clock offset: -0.188 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-05-24 14:47:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 121.06 Mbit/s

95th percentile per-packet one-way delay: 87.188 ms

Loss rate: 0.63%

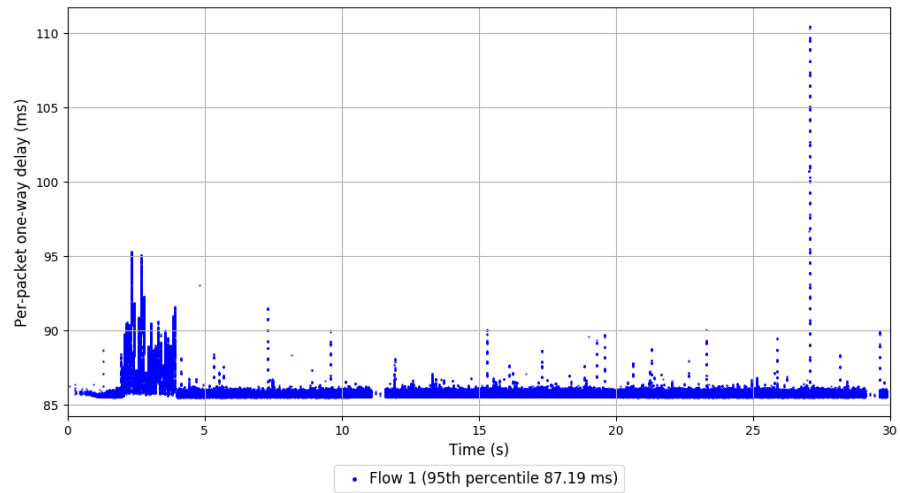
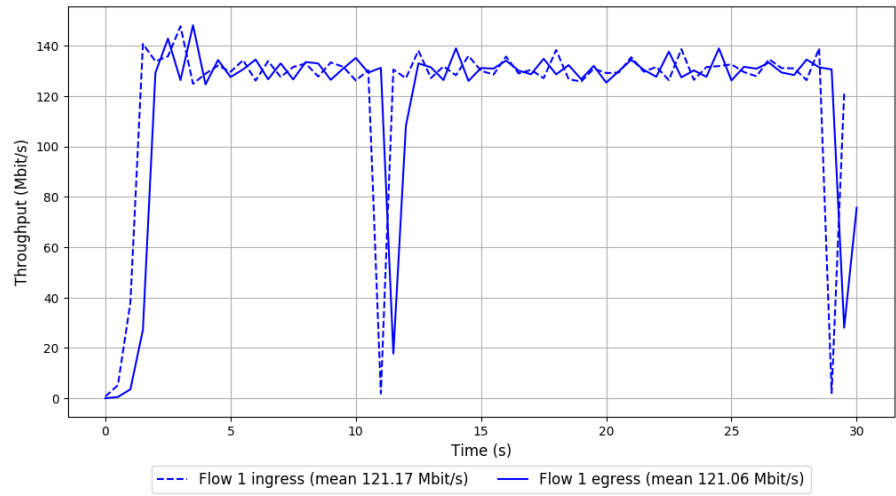
-- Flow 1:

Average throughput: 121.06 Mbit/s

95th percentile per-packet one-way delay: 87.188 ms

Loss rate: 0.63%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-05-24 12:09:48

End at: 2018-05-24 12:10:18

Local clock offset: 0.214 ms

Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-05-24 14:47:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 124.91 Mbit/s

95th percentile per-packet one-way delay: 90.001 ms

Loss rate: 0.59%

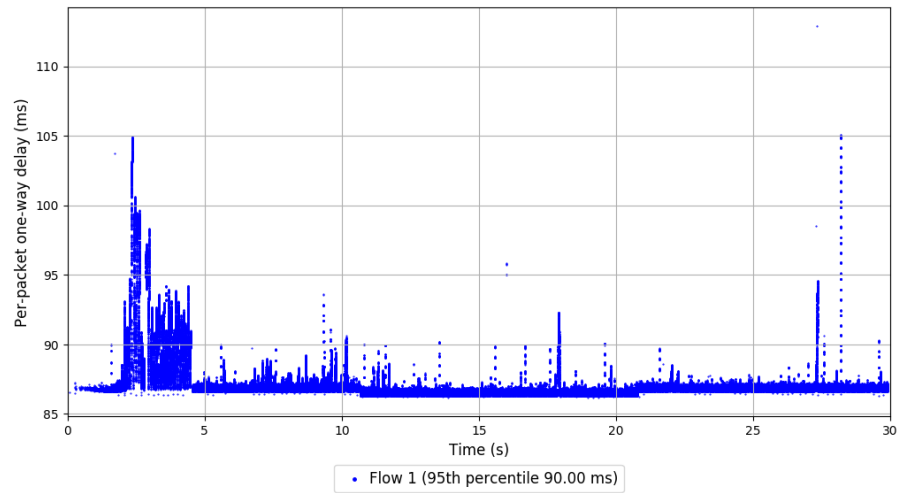
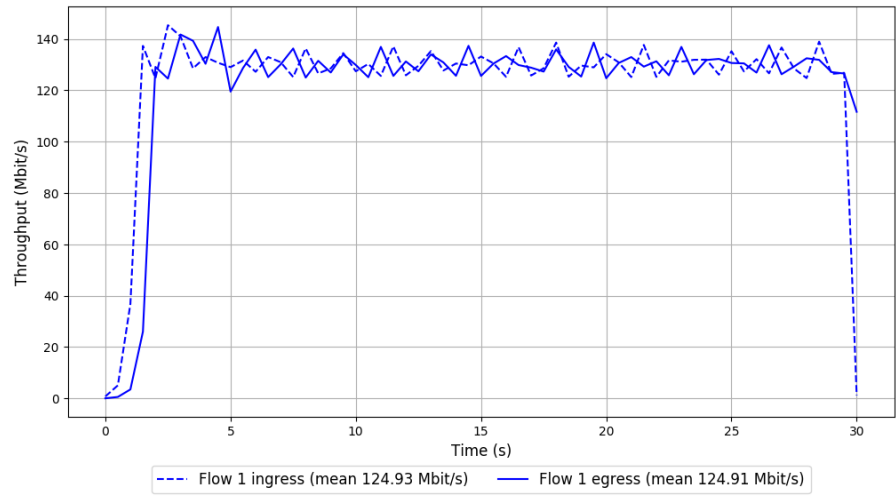
-- Flow 1:

Average throughput: 124.91 Mbit/s

95th percentile per-packet one-way delay: 90.001 ms

Loss rate: 0.59%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-05-24 12:30:15

End at: 2018-05-24 12:30:45

Local clock offset: 0.317 ms

Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-05-24 14:47:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 124.06 Mbit/s

95th percentile per-packet one-way delay: 91.238 ms

Loss rate: 0.60%

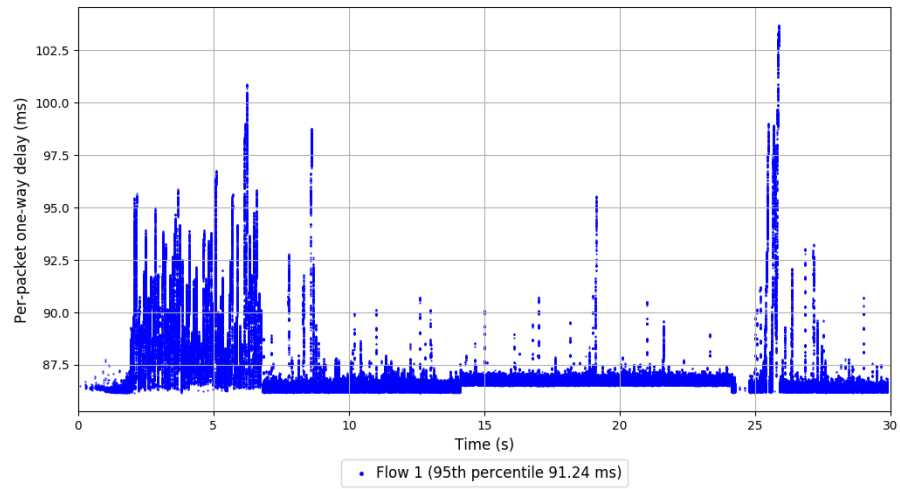
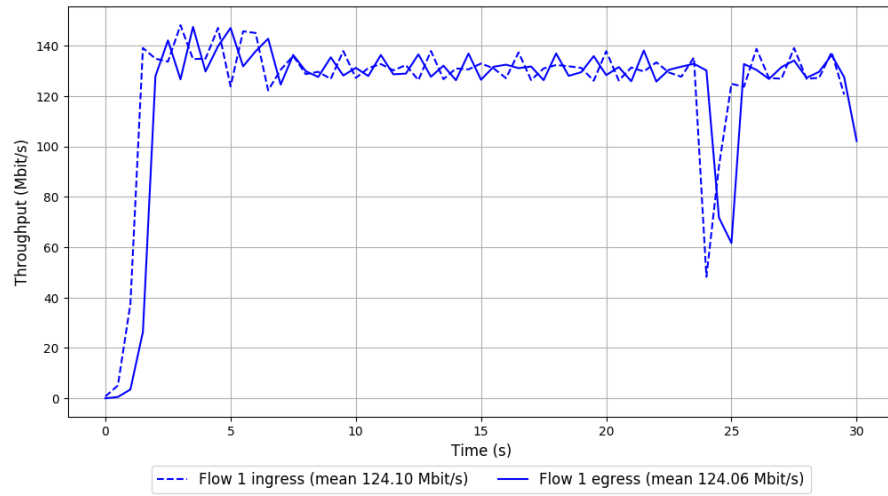
-- Flow 1:

Average throughput: 124.06 Mbit/s

95th percentile per-packet one-way delay: 91.238 ms

Loss rate: 0.60%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-05-24 12:50:33

End at: 2018-05-24 12:51:03

Local clock offset: 1.774 ms

Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-05-24 14:47:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.65 Mbit/s

95th percentile per-packet one-way delay: 90.044 ms

Loss rate: 0.61%

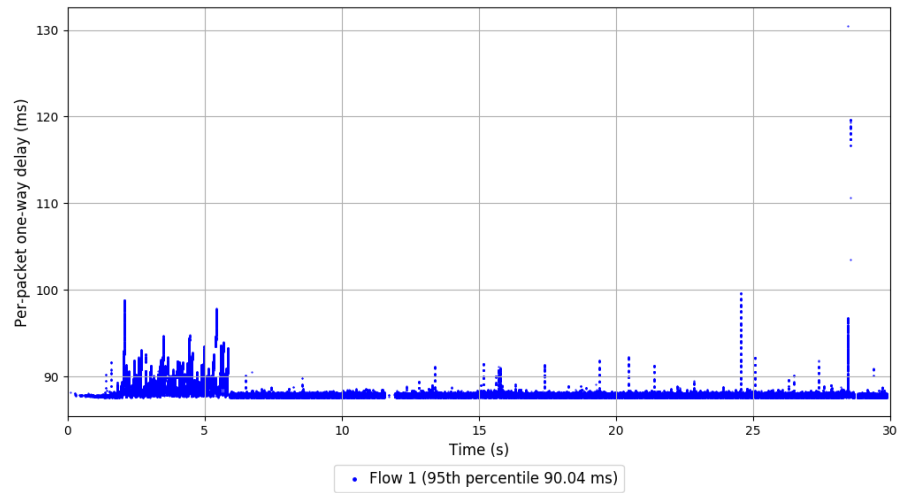
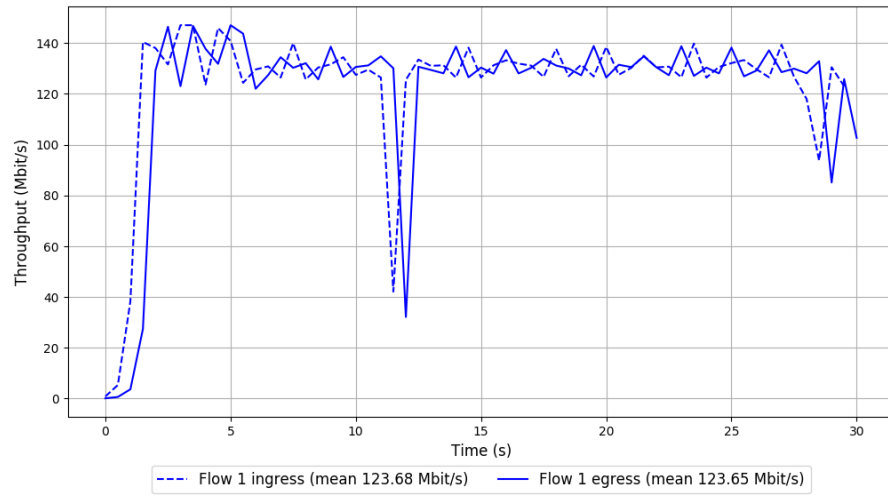
-- Flow 1:

Average throughput: 123.65 Mbit/s

95th percentile per-packet one-way delay: 90.044 ms

Loss rate: 0.61%

Run 5: Report of TCP BBR — Data Link

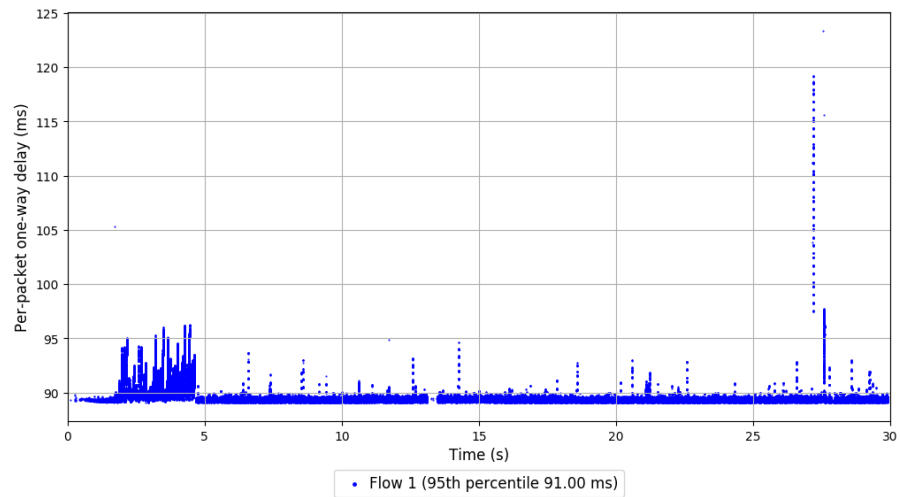
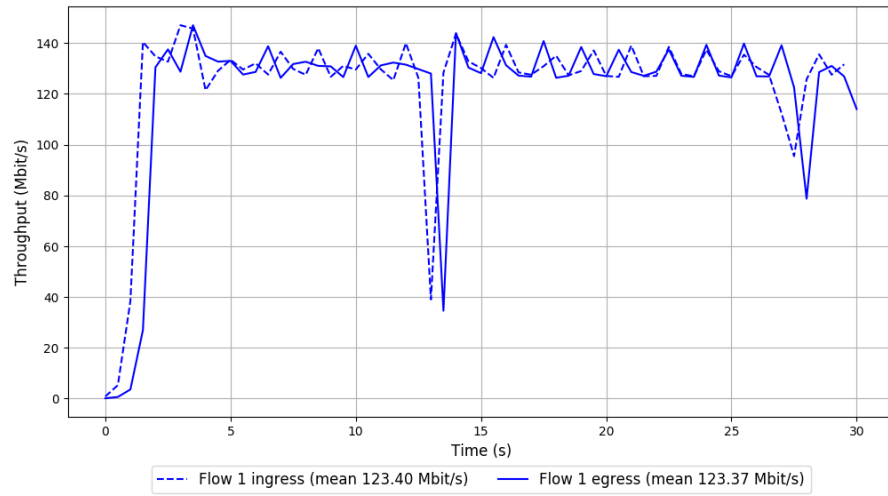


Run 6: Statistics of TCP BBR

Start at: 2018-05-24 13:11:19
End at: 2018-05-24 13:11:49
Local clock offset: 3.237 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-05-24 14:47:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 123.37 Mbit/s
95th percentile per-packet one-way delay: 90.996 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 123.37 Mbit/s
95th percentile per-packet one-way delay: 90.996 ms
Loss rate: 0.60%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-05-24 13:31:48

End at: 2018-05-24 13:32:18

Local clock offset: 1.675 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2018-05-24 14:47:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 114.96 Mbit/s

95th percentile per-packet one-way delay: 89.147 ms

Loss rate: 0.62%

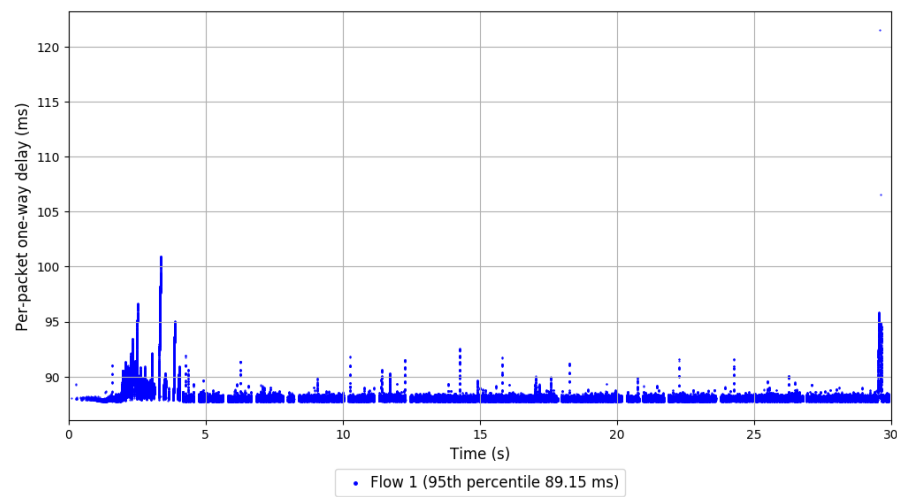
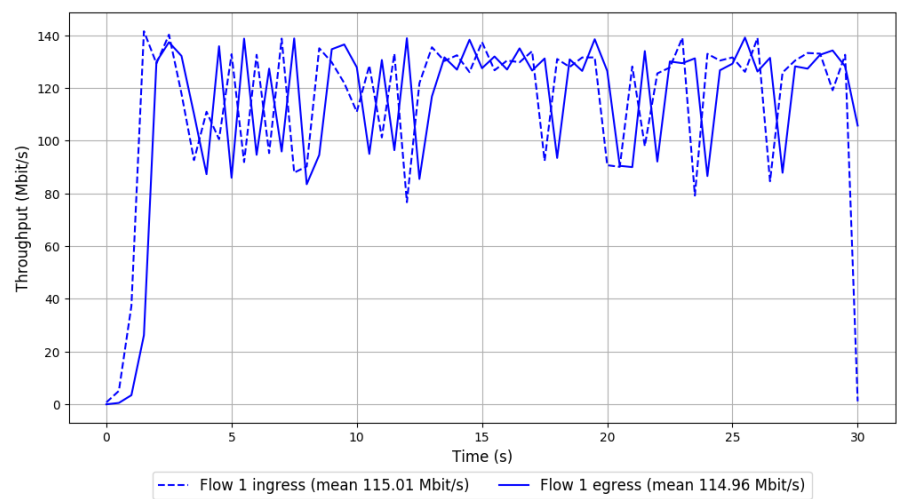
-- Flow 1:

Average throughput: 114.96 Mbit/s

95th percentile per-packet one-way delay: 89.147 ms

Loss rate: 0.62%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-05-24 13:52:08

End at: 2018-05-24 13:52:38

Local clock offset: -0.472 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-05-24 14:47:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 112.64 Mbit/s

95th percentile per-packet one-way delay: 86.405 ms

Loss rate: 0.68%

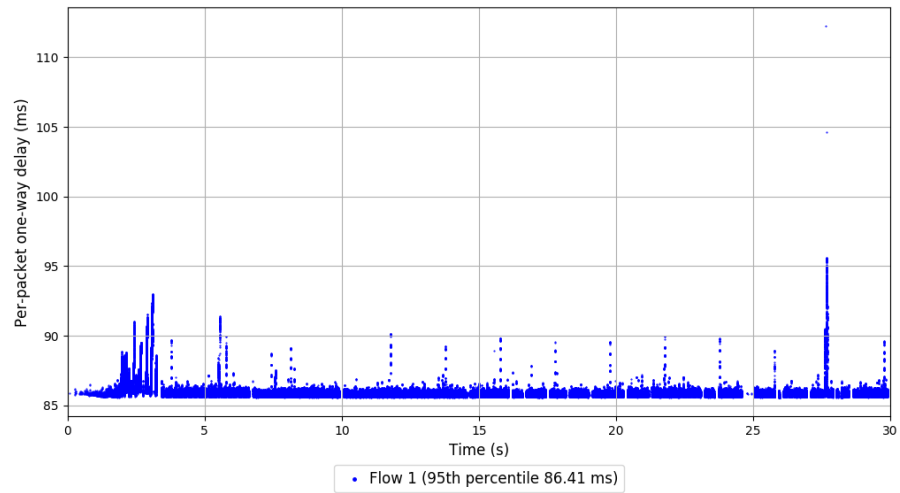
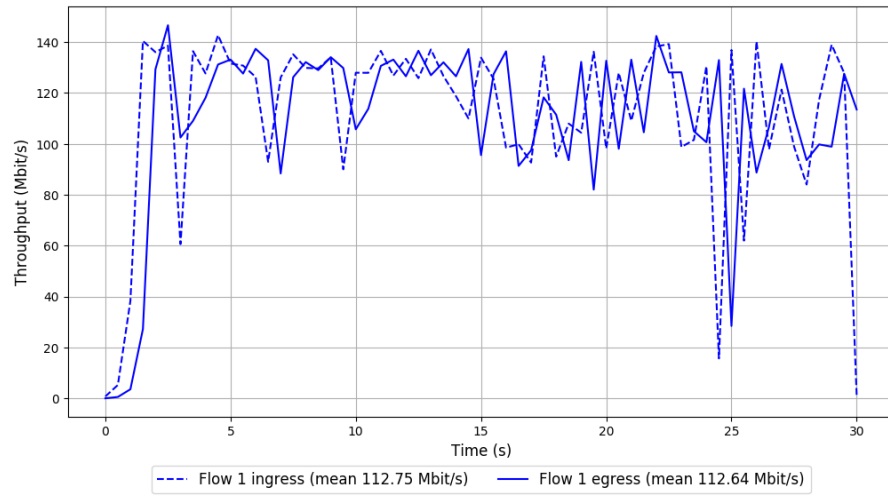
-- Flow 1:

Average throughput: 112.64 Mbit/s

95th percentile per-packet one-way delay: 86.405 ms

Loss rate: 0.68%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-05-24 14:12:37

End at: 2018-05-24 14:13:07

Local clock offset: -0.081 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-05-24 14:48:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 109.54 Mbit/s

95th percentile per-packet one-way delay: 86.610 ms

Loss rate: 0.82%

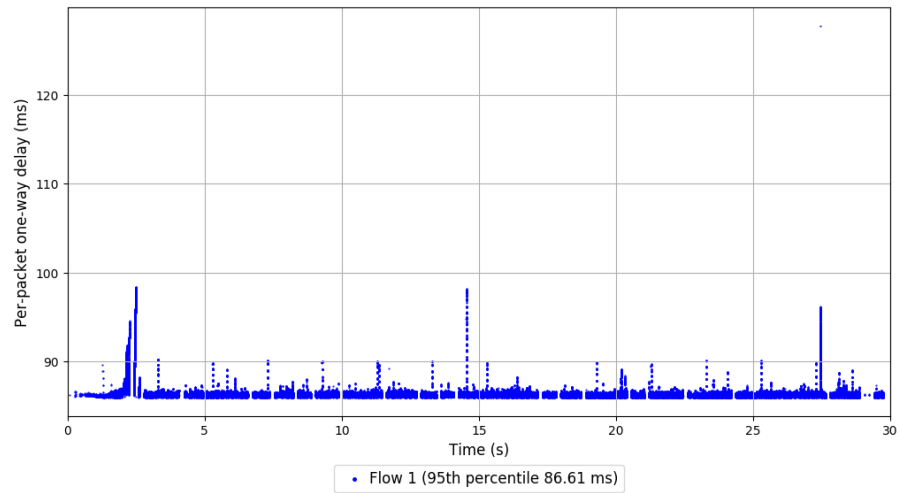
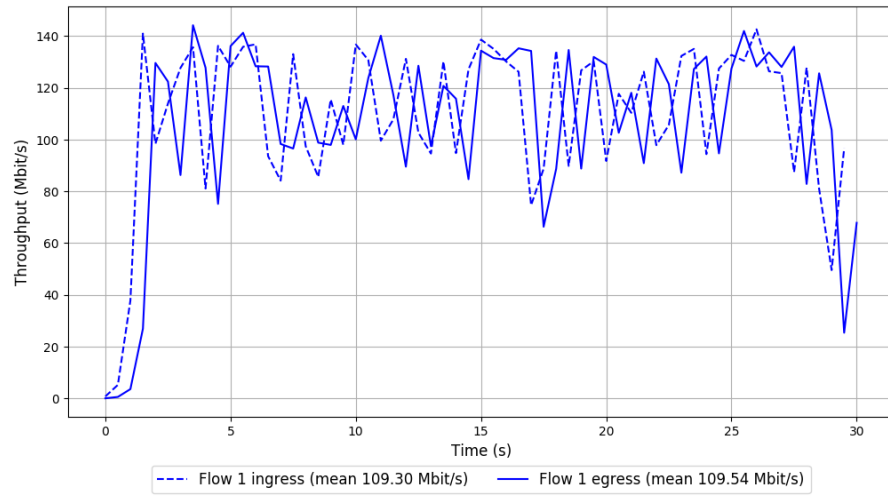
-- Flow 1:

Average throughput: 109.54 Mbit/s

95th percentile per-packet one-way delay: 86.610 ms

Loss rate: 0.82%

Run 9: Report of TCP BBR — Data Link

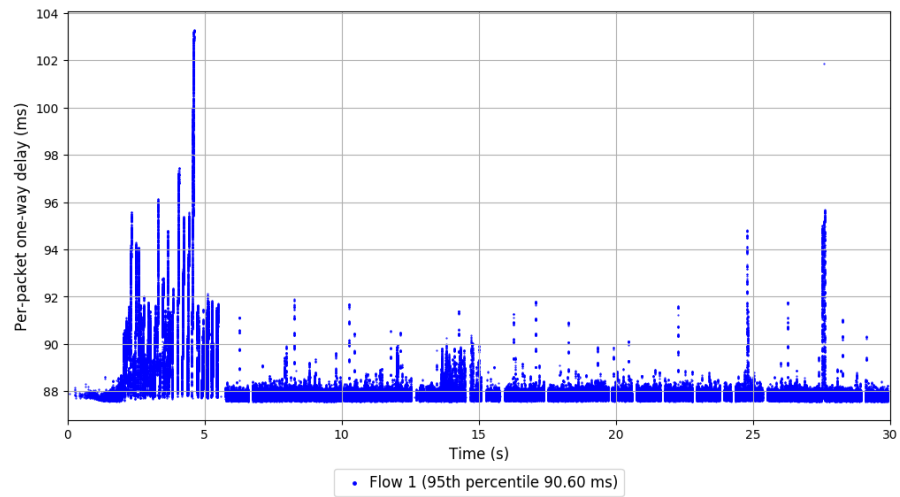
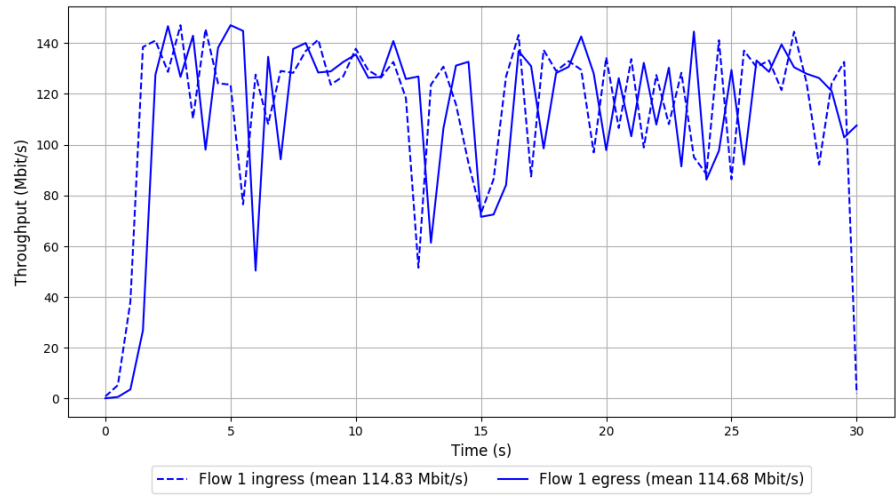


Run 10: Statistics of TCP BBR

Start at: 2018-05-24 14:33:10
End at: 2018-05-24 14:33:40
Local clock offset: 1.553 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-05-24 14:48:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 114.68 Mbit/s
95th percentile per-packet one-way delay: 90.604 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 114.68 Mbit/s
95th percentile per-packet one-way delay: 90.604 ms
Loss rate: 0.71%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-05-24 11:16:49

End at: 2018-05-24 11:17:19

Local clock offset: -0.037 ms

Remote clock offset: -0.17 ms

Below is generated by plot.py at 2018-05-24 14:50:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 108.54 Mbit/s

95th percentile per-packet one-way delay: 90.690 ms

Loss rate: 0.81%

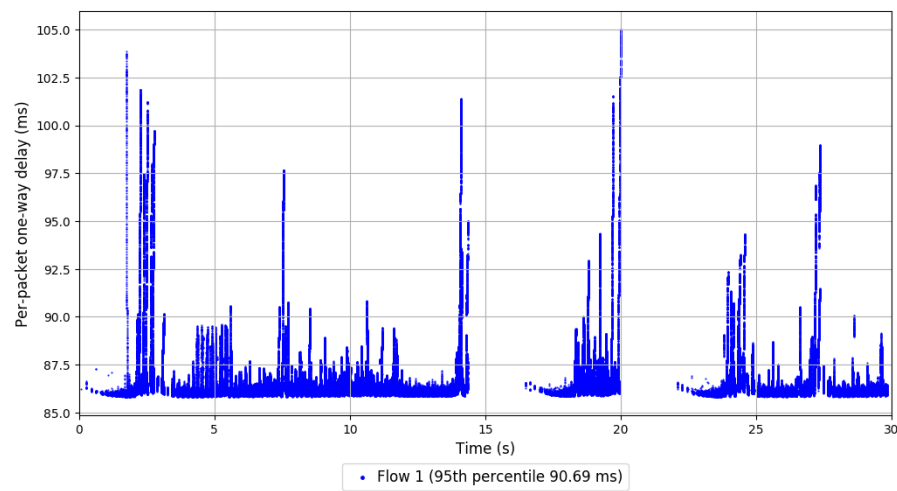
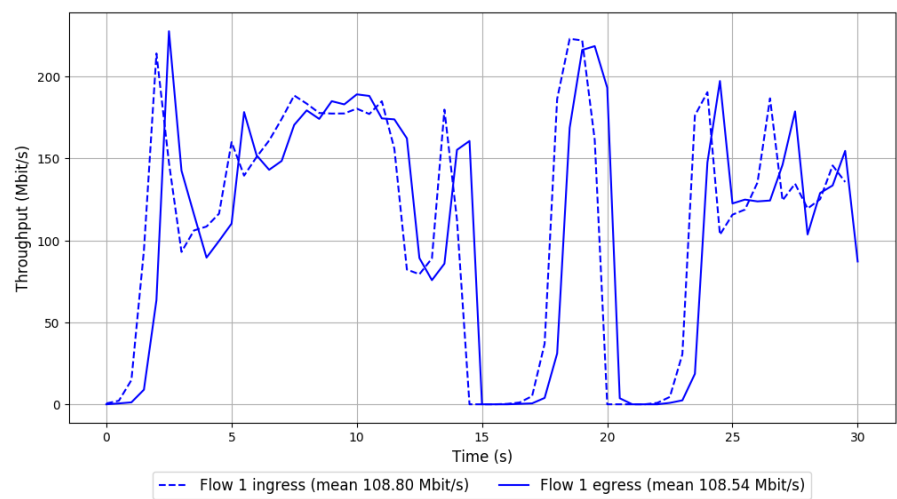
-- Flow 1:

Average throughput: 108.54 Mbit/s

95th percentile per-packet one-way delay: 90.690 ms

Loss rate: 0.81%

Run 1: Report of Copa — Data Link

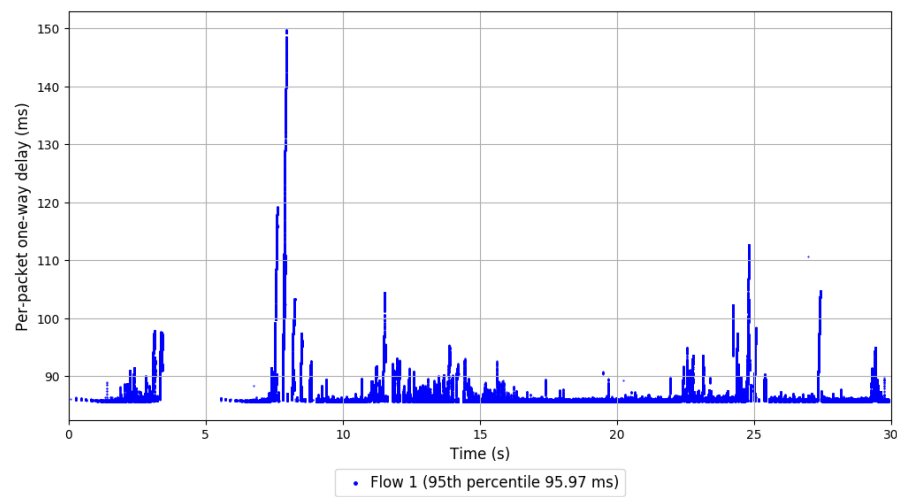
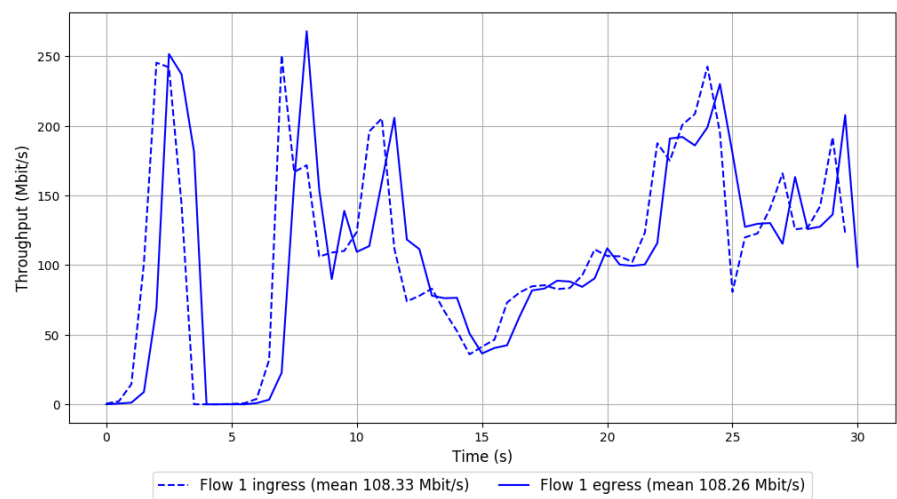


Run 2: Statistics of Copa

Start at: 2018-05-24 11:37:09
End at: 2018-05-24 11:37:39
Local clock offset: -0.111 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-05-24 14:50:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 108.26 Mbit/s
95th percentile per-packet one-way delay: 95.965 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 108.26 Mbit/s
95th percentile per-packet one-way delay: 95.965 ms
Loss rate: 0.64%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-05-24 11:57:41

End at: 2018-05-24 11:58:11

Local clock offset: 0.131 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-05-24 14:50:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 100.84 Mbit/s

95th percentile per-packet one-way delay: 93.667 ms

Loss rate: 0.23%

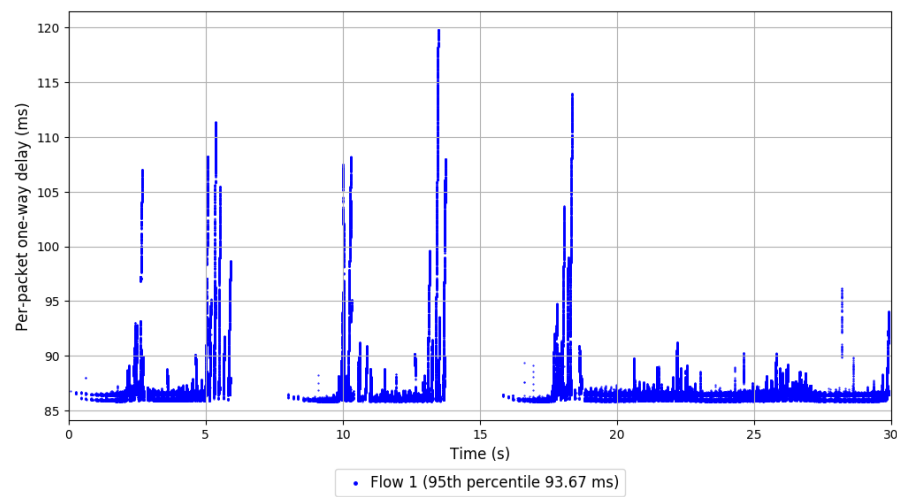
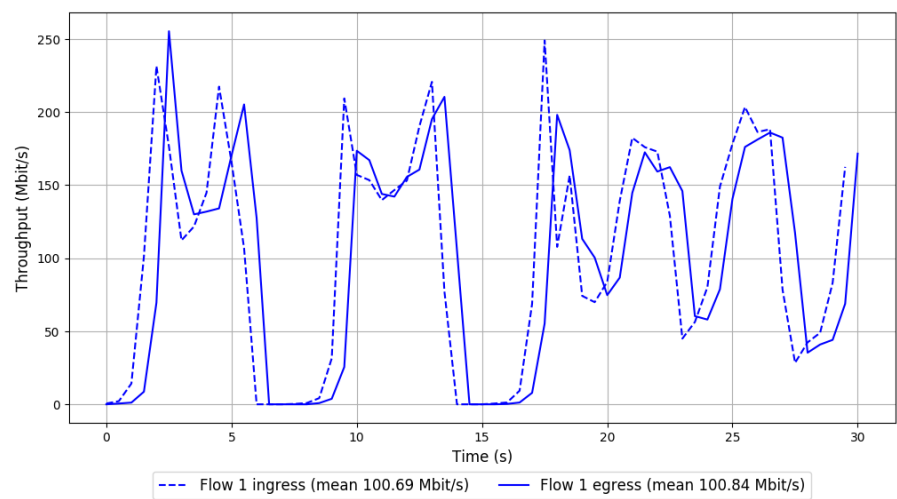
-- Flow 1:

Average throughput: 100.84 Mbit/s

95th percentile per-packet one-way delay: 93.667 ms

Loss rate: 0.23%

Run 3: Report of Copa — Data Link

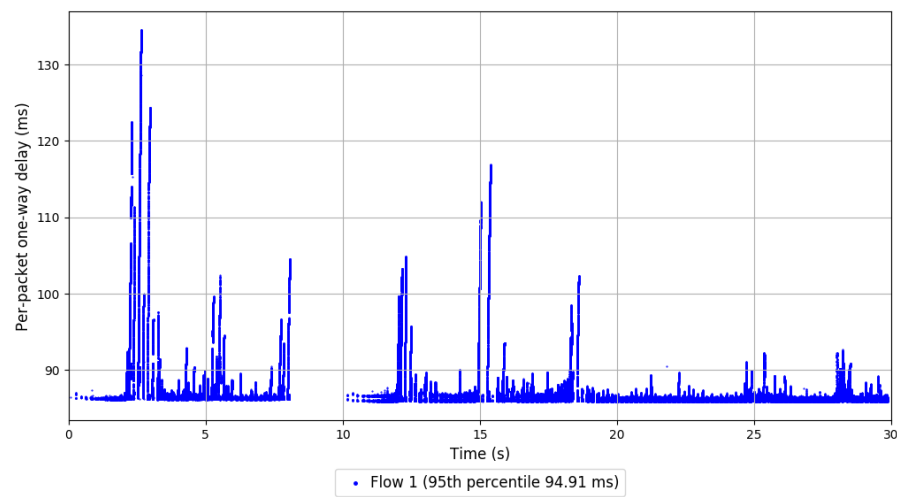
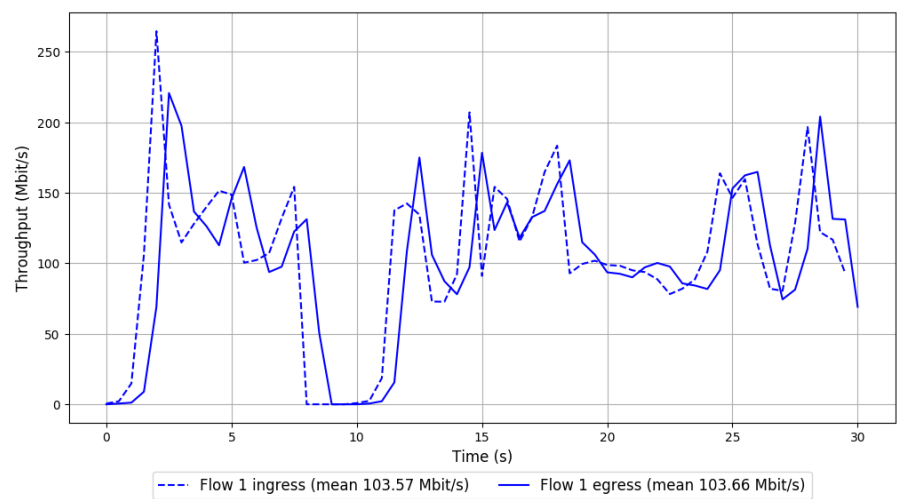


Run 4: Statistics of Copa

Start at: 2018-05-24 12:18:20
End at: 2018-05-24 12:18:50
Local clock offset: 0.072 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-05-24 14:50:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 103.66 Mbit/s
95th percentile per-packet one-way delay: 94.911 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 103.66 Mbit/s
95th percentile per-packet one-way delay: 94.911 ms
Loss rate: 0.50%

Run 4: Report of Copa — Data Link

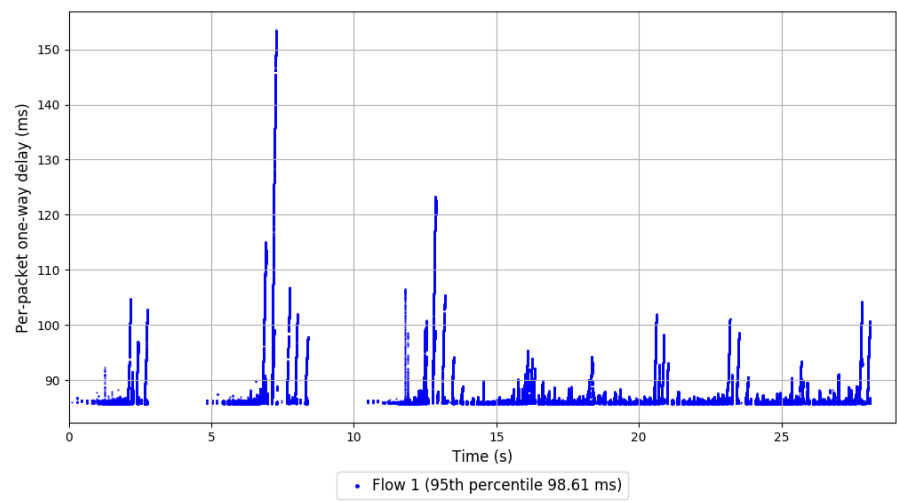
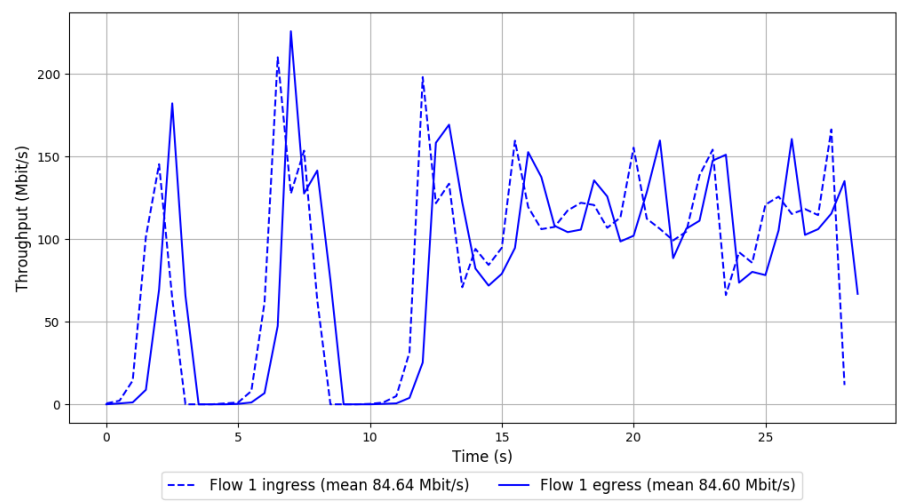


Run 5: Statistics of Copa

Start at: 2018-05-24 12:38:39
End at: 2018-05-24 12:39:09
Local clock offset: -0.063 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-05-24 14:50:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.60 Mbit/s
95th percentile per-packet one-way delay: 98.614 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.60 Mbit/s
95th percentile per-packet one-way delay: 98.614 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

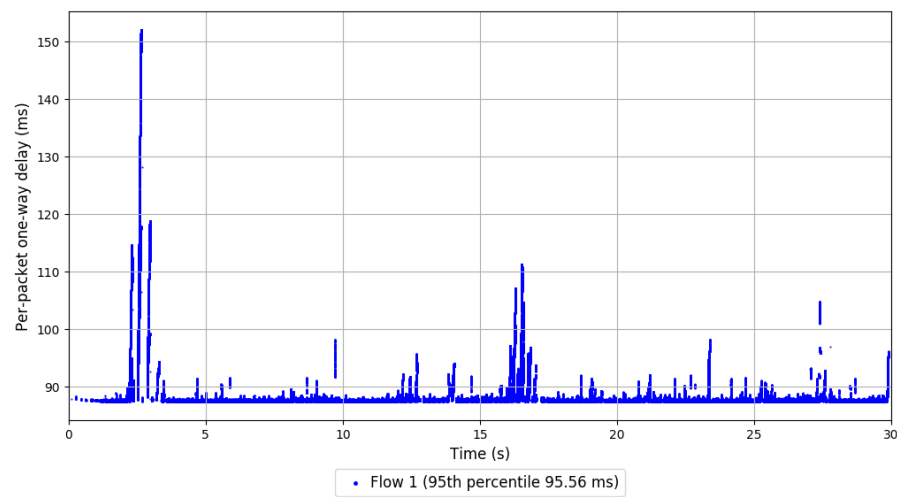
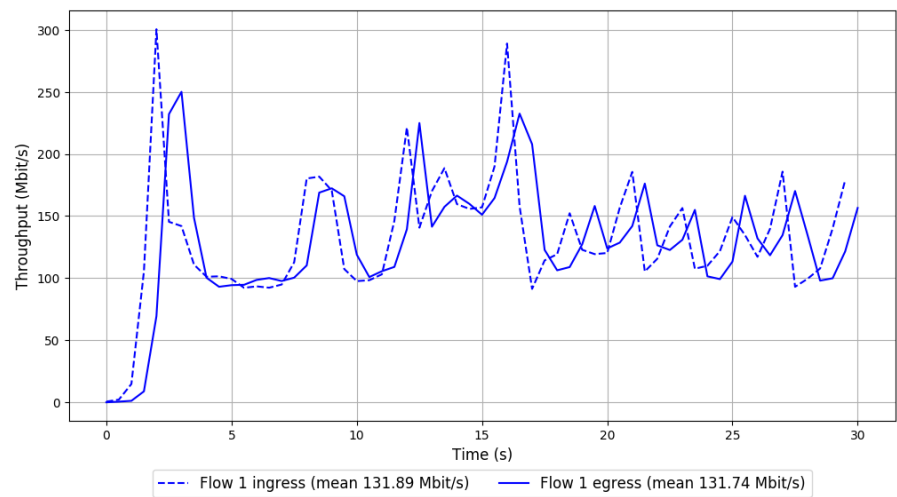


Run 6: Statistics of Copa

Start at: 2018-05-24 12:59:07
End at: 2018-05-24 12:59:37
Local clock offset: 1.619 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-05-24 14:51:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 131.74 Mbit/s
95th percentile per-packet one-way delay: 95.565 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 131.74 Mbit/s
95th percentile per-packet one-way delay: 95.565 ms
Loss rate: 0.69%

Run 6: Report of Copa — Data Link

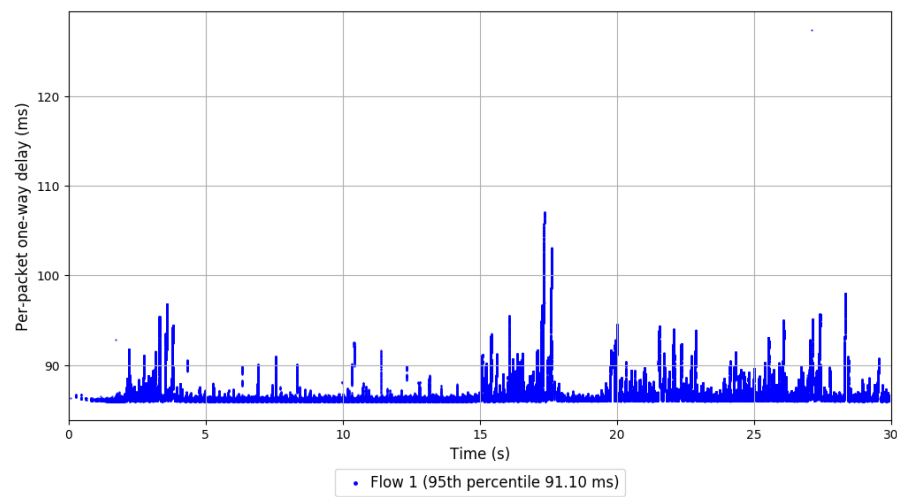
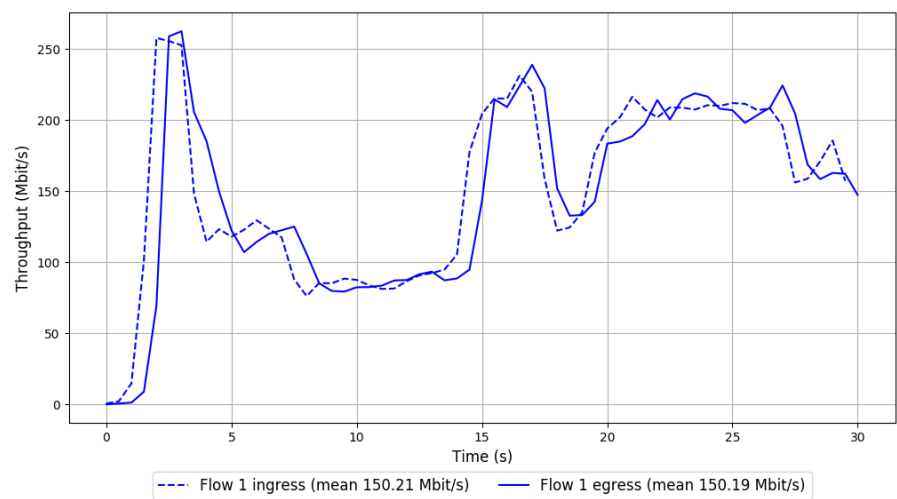


Run 7: Statistics of Copa

Start at: 2018-05-24 13:19:52
End at: 2018-05-24 13:20:22
Local clock offset: 0.051 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-05-24 14:54:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 150.19 Mbit/s
95th percentile per-packet one-way delay: 91.099 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 150.19 Mbit/s
95th percentile per-packet one-way delay: 91.099 ms
Loss rate: 0.59%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-05-24 13:40:20

End at: 2018-05-24 13:40:50

Local clock offset: 3.017 ms

Remote clock offset: 0.06 ms

Below is generated by plot.py at 2018-05-24 14:54:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 135.64 Mbit/s

95th percentile per-packet one-way delay: 95.921 ms

Loss rate: 1.10%

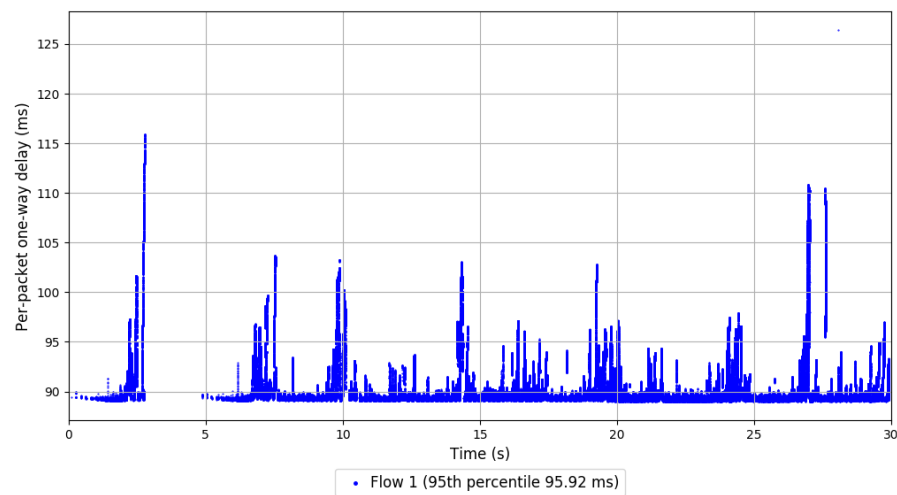
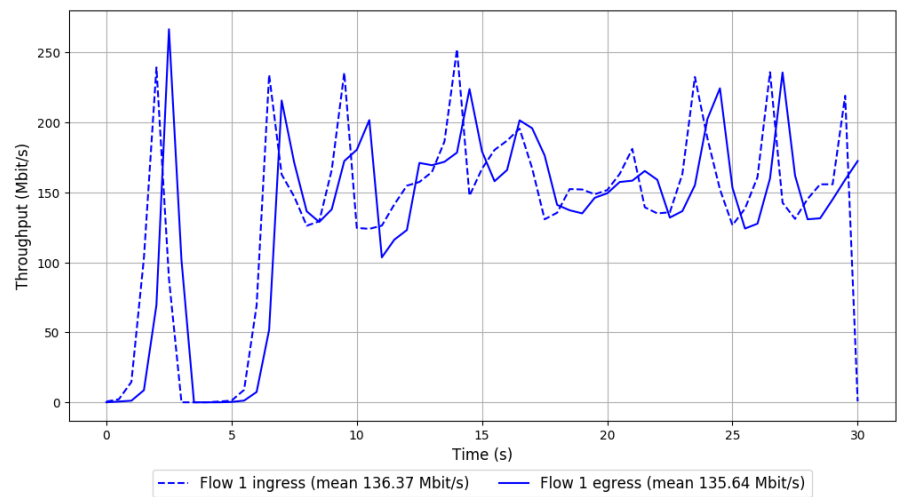
-- Flow 1:

Average throughput: 135.64 Mbit/s

95th percentile per-packet one-way delay: 95.921 ms

Loss rate: 1.10%

Run 8: Report of Copa — Data Link

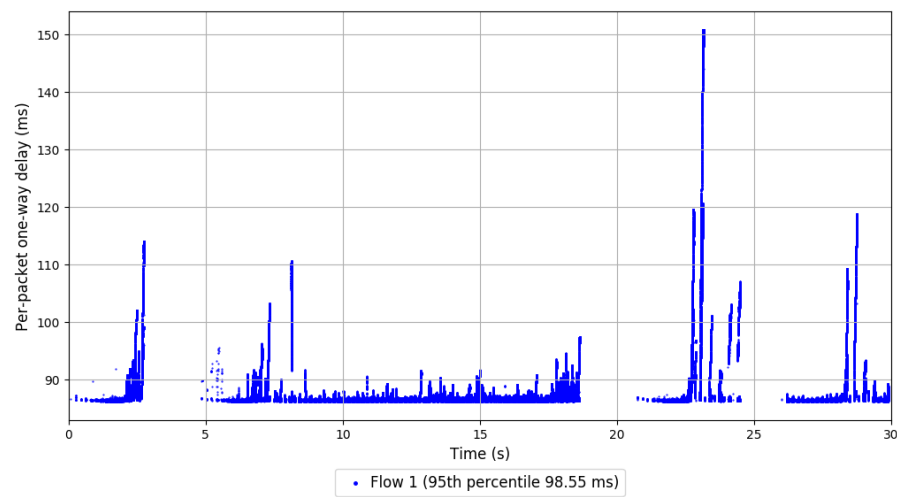
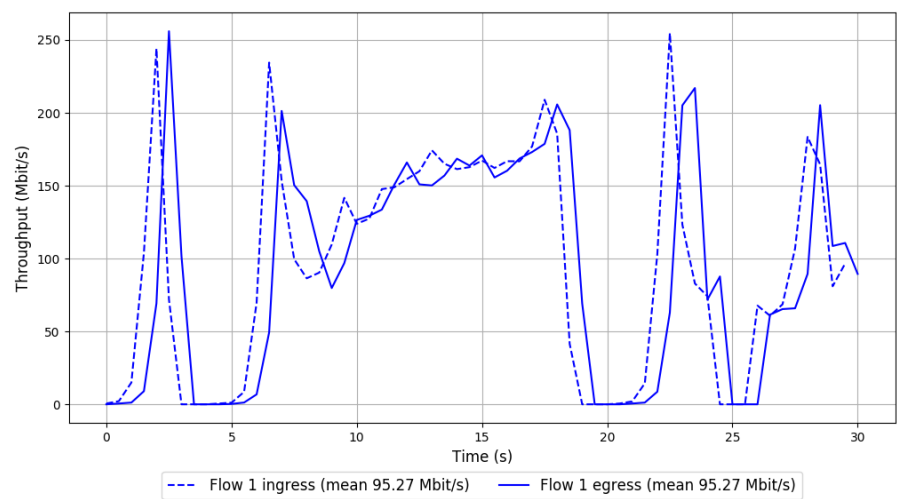


Run 9: Statistics of Copa

Start at: 2018-05-24 14:00:43
End at: 2018-05-24 14:01:13
Local clock offset: 0.299 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-05-24 14:54:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.27 Mbit/s
95th percentile per-packet one-way delay: 98.548 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 95.27 Mbit/s
95th percentile per-packet one-way delay: 98.548 ms
Loss rate: 0.59%

Run 9: Report of Copa — Data Link

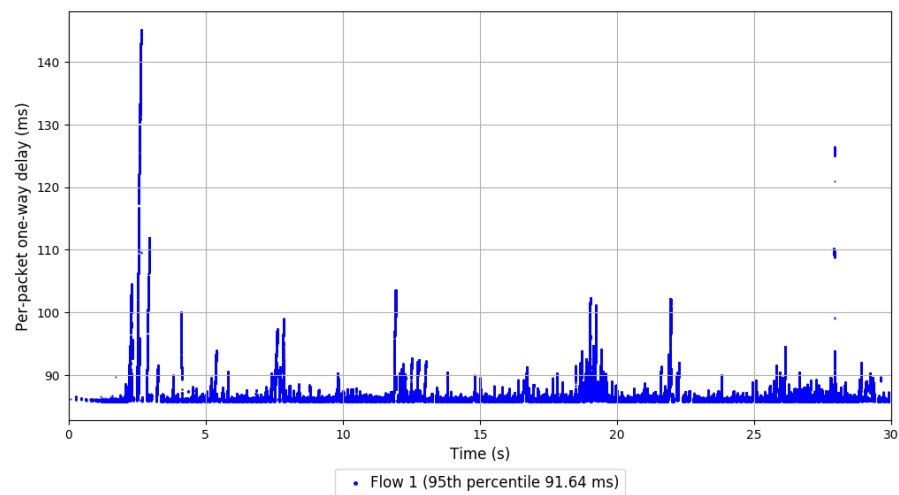
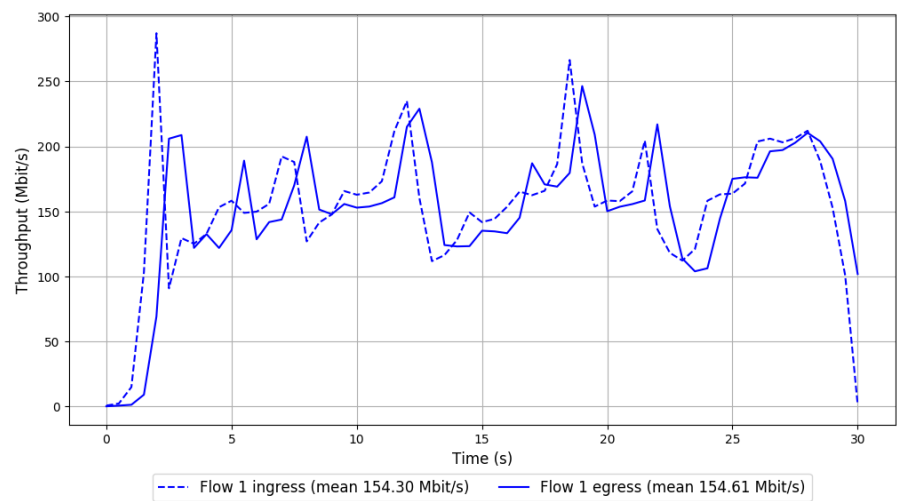


Run 10: Statistics of Copa

Start at: 2018-05-24 14:21:10
End at: 2018-05-24 14:21:40
Local clock offset: -0.12 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-05-24 14:55:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 154.61 Mbit/s
95th percentile per-packet one-way delay: 91.641 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 154.61 Mbit/s
95th percentile per-packet one-way delay: 91.641 ms
Loss rate: 0.38%

Run 10: Report of Copa — Data Link

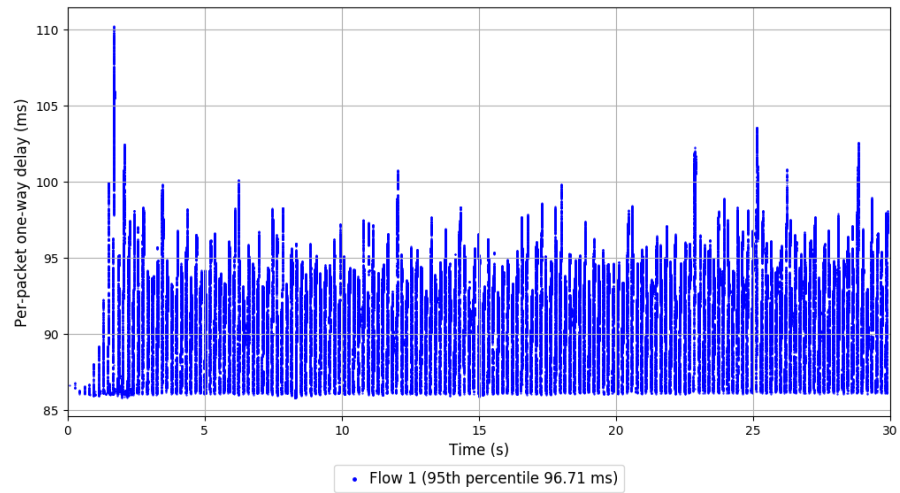
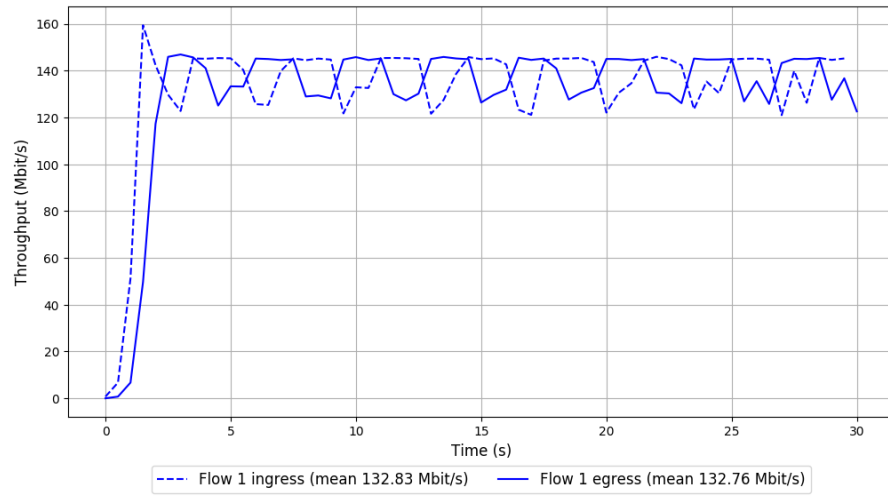


Run 1: Statistics of TCP Cubic

Start at: 2018-05-24 11:24:21
End at: 2018-05-24 11:24:51
Local clock offset: -0.09 ms
Remote clock offset: -0.211 ms

Below is generated by plot.py at 2018-05-24 14:55:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 132.76 Mbit/s
95th percentile per-packet one-way delay: 96.712 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 132.76 Mbit/s
95th percentile per-packet one-way delay: 96.712 ms
Loss rate: 0.61%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-05-24 11:44:46

End at: 2018-05-24 11:45:16

Local clock offset: -0.068 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-05-24 14:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 127.37 Mbit/s

95th percentile per-packet one-way delay: 97.472 ms

Loss rate: 0.32%

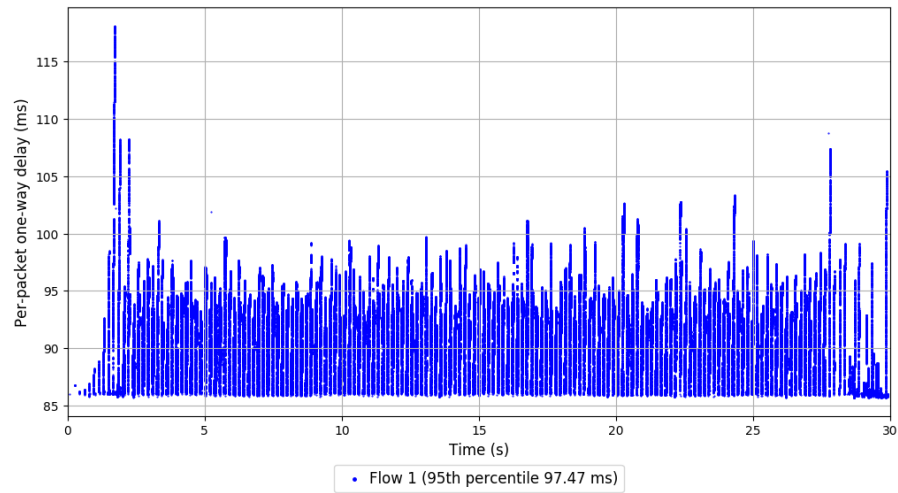
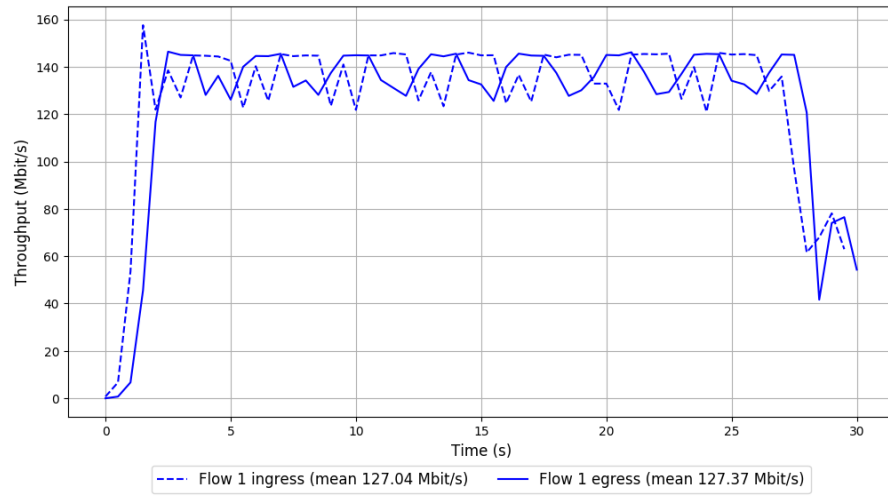
-- Flow 1:

Average throughput: 127.37 Mbit/s

95th percentile per-packet one-way delay: 97.472 ms

Loss rate: 0.32%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-05-24 12:05:24

End at: 2018-05-24 12:05:54

Local clock offset: 0.054 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-05-24 14:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.34 Mbit/s

95th percentile per-packet one-way delay: 105.097 ms

Loss rate: 0.68%

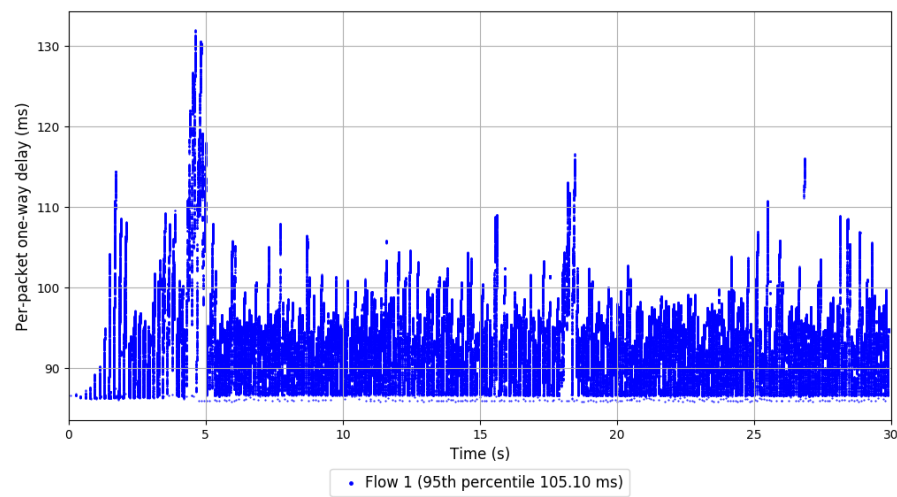
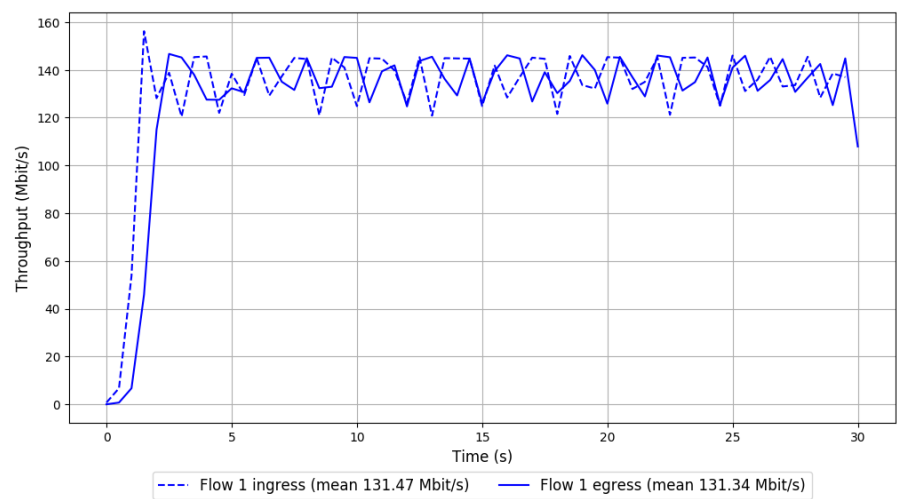
-- Flow 1:

Average throughput: 131.34 Mbit/s

95th percentile per-packet one-way delay: 105.097 ms

Loss rate: 0.68%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-05-24 12:26:02

End at: 2018-05-24 12:26:32

Local clock offset: 0.1 ms

Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-05-24 14:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.17 Mbit/s

95th percentile per-packet one-way delay: 99.047 ms

Loss rate: 0.61%

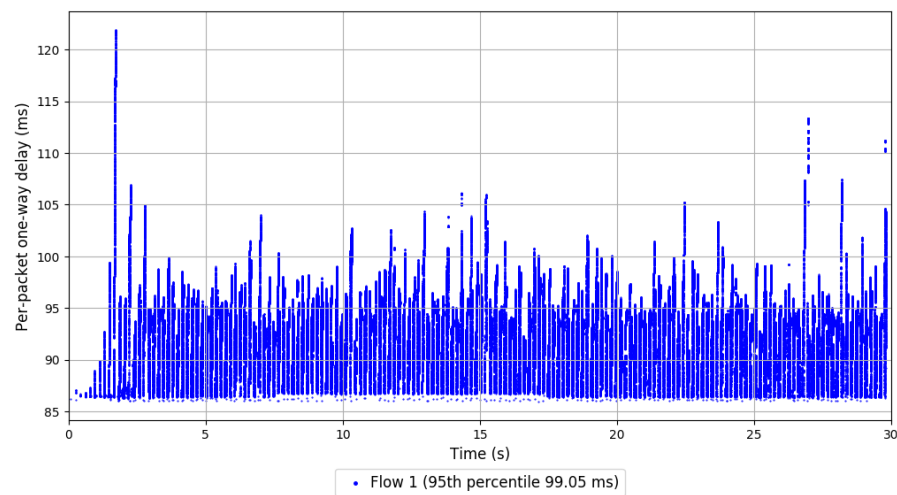
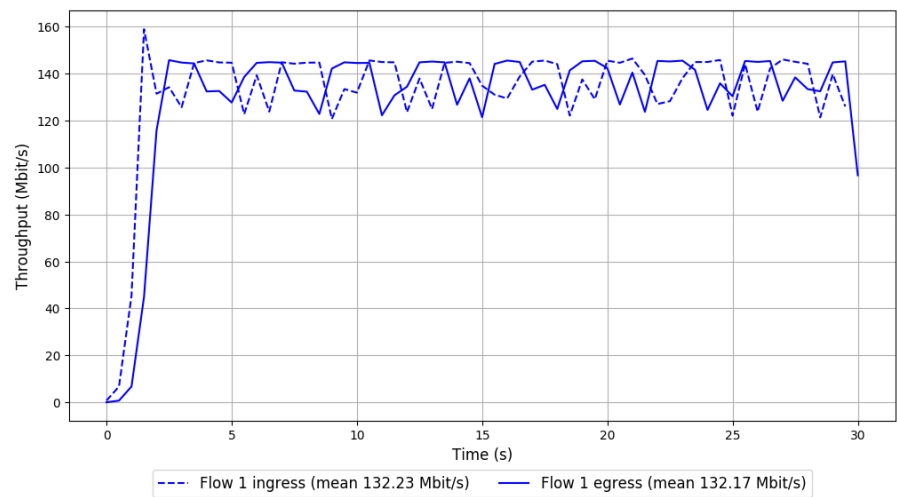
-- Flow 1:

Average throughput: 132.17 Mbit/s

95th percentile per-packet one-way delay: 99.047 ms

Loss rate: 0.61%

Run 4: Report of TCP Cubic — Data Link

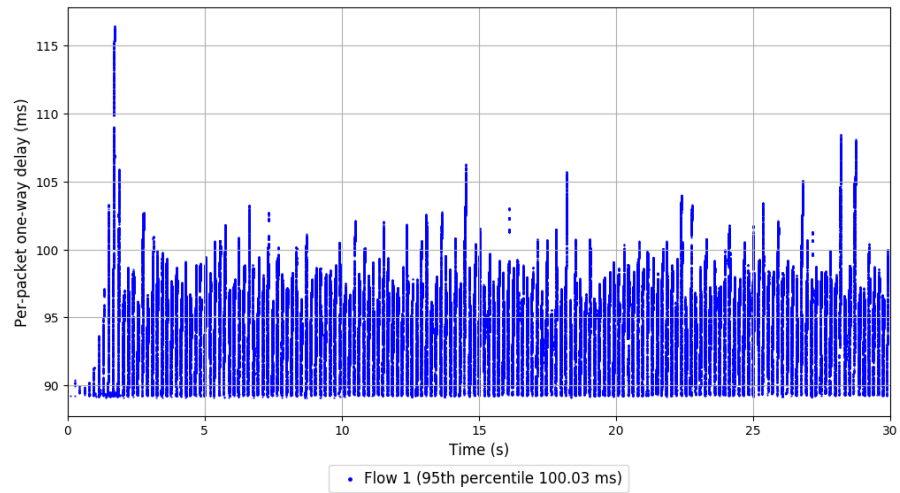
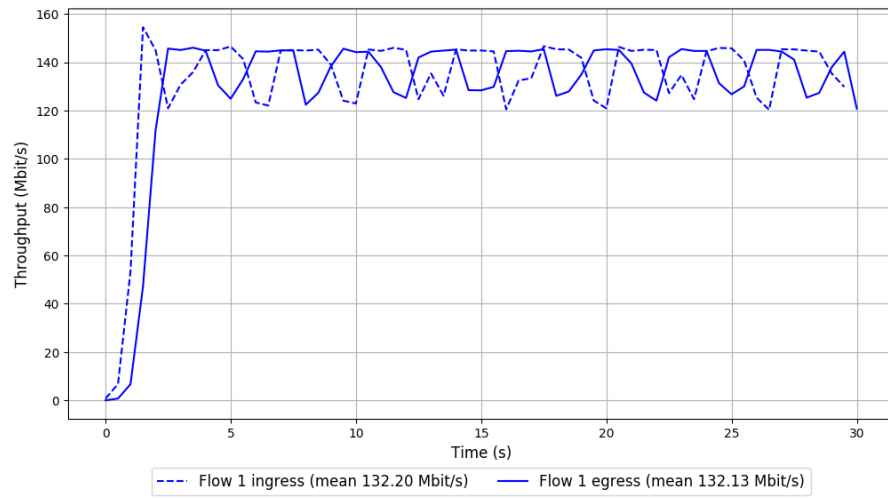


Run 5: Statistics of TCP Cubic

Start at: 2018-05-24 12:46:19
End at: 2018-05-24 12:46:49
Local clock offset: 3.238 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-05-24 14:55:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 132.13 Mbit/s
95th percentile per-packet one-way delay: 100.028 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 132.13 Mbit/s
95th percentile per-packet one-way delay: 100.028 ms
Loss rate: 0.61%

Run 5: Report of TCP Cubic — Data Link

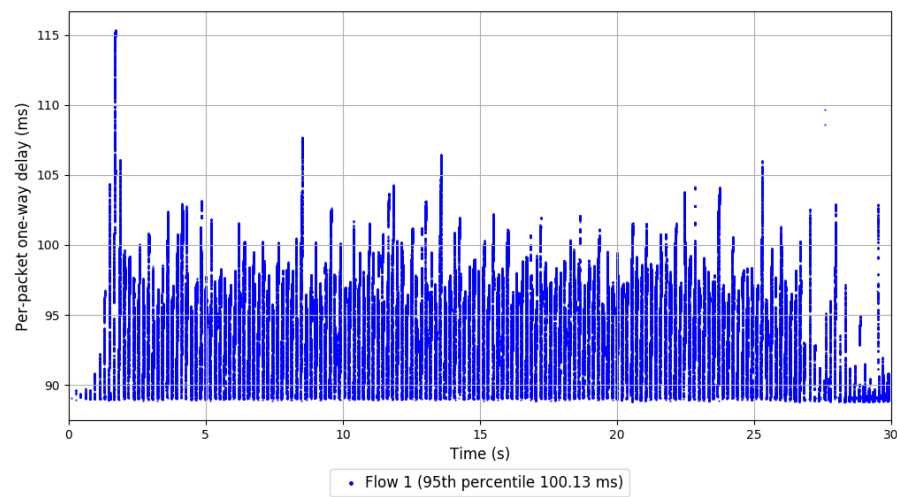
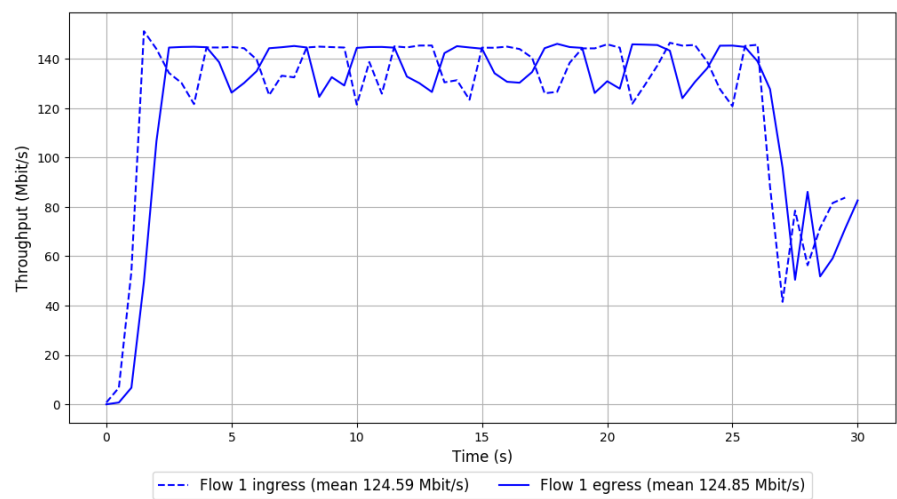


Run 6: Statistics of TCP Cubic

Start at: 2018-05-24 13:06:53
End at: 2018-05-24 13:07:23
Local clock offset: 2.973 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-05-24 14:55:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 124.85 Mbit/s
95th percentile per-packet one-way delay: 100.132 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 124.85 Mbit/s
95th percentile per-packet one-way delay: 100.132 ms
Loss rate: 0.38%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-05-24 13:27:34

End at: 2018-05-24 13:28:04

Local clock offset: -0.112 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-05-24 14:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.30 Mbit/s

95th percentile per-packet one-way delay: 89.294 ms

Loss rate: 0.35%

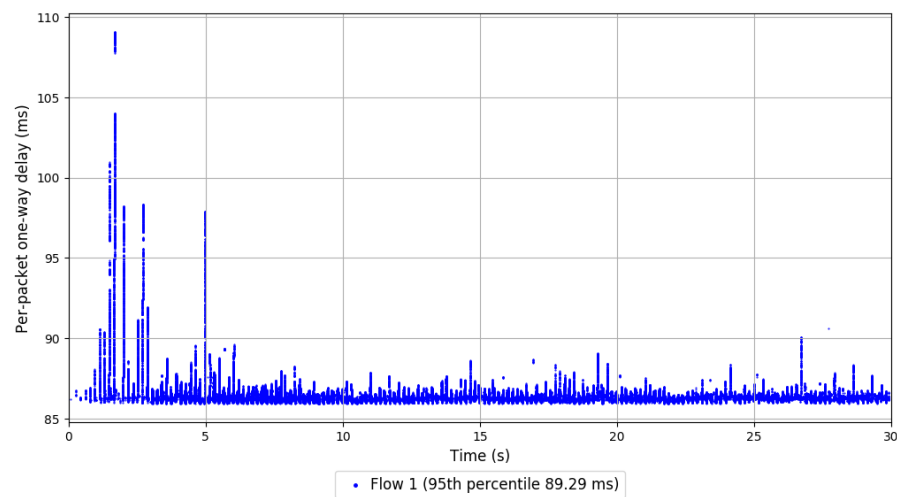
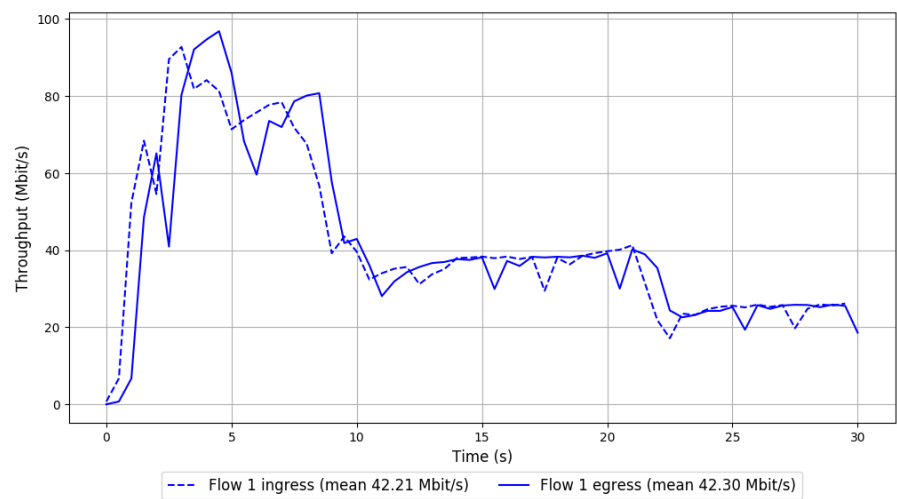
-- Flow 1:

Average throughput: 42.30 Mbit/s

95th percentile per-packet one-way delay: 89.294 ms

Loss rate: 0.35%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-05-24 13:48:05

End at: 2018-05-24 13:48:35

Local clock offset: -0.399 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-05-24 14:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.29 Mbit/s

95th percentile per-packet one-way delay: 94.455 ms

Loss rate: 0.20%

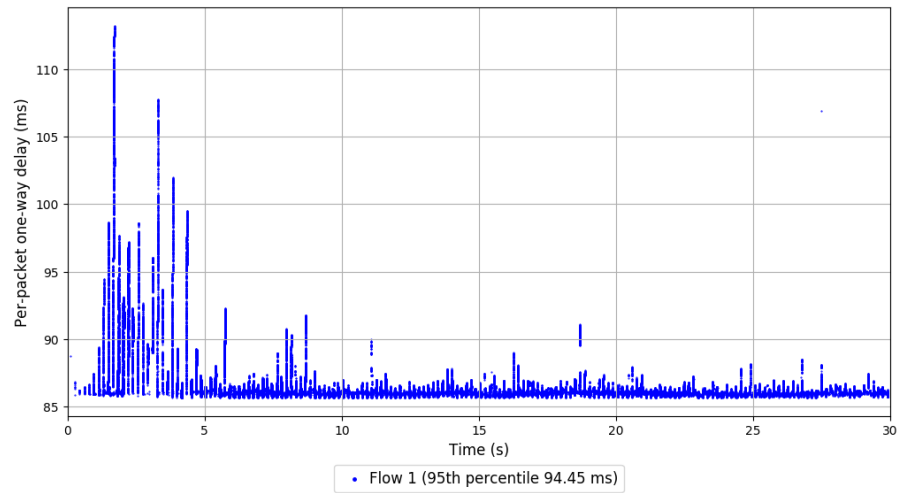
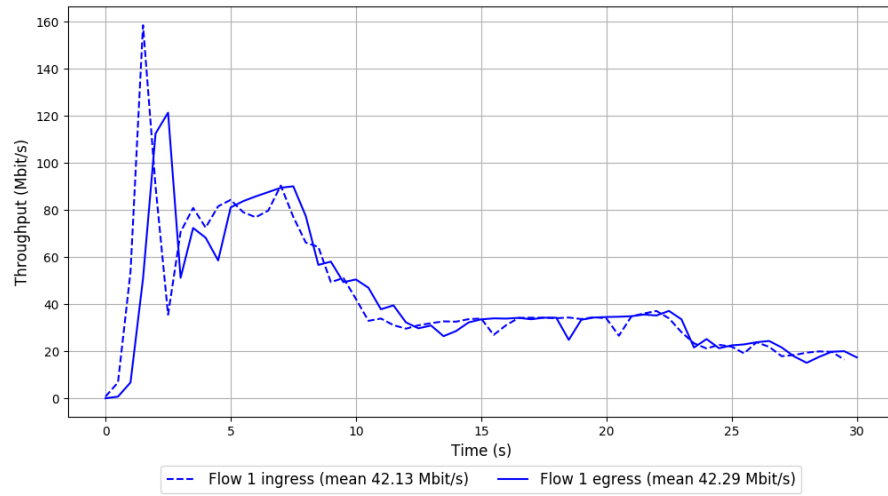
-- Flow 1:

Average throughput: 42.29 Mbit/s

95th percentile per-packet one-way delay: 94.455 ms

Loss rate: 0.20%

Run 8: Report of TCP Cubic — Data Link

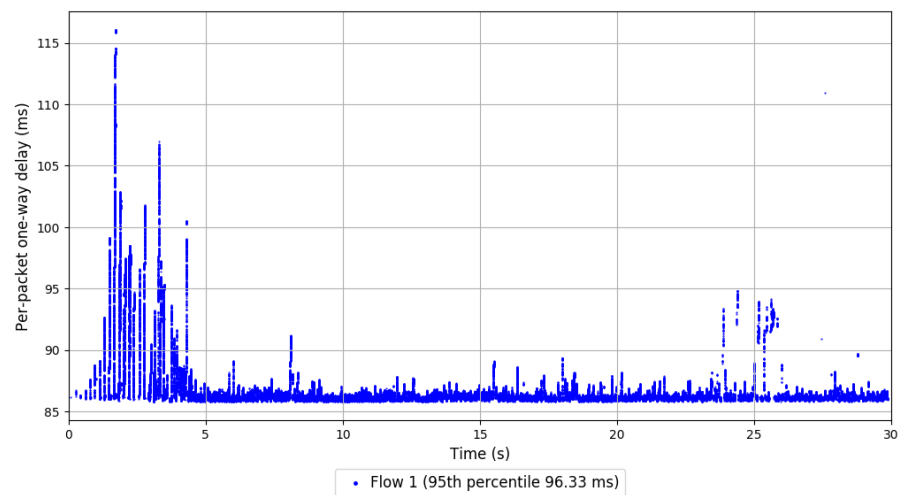
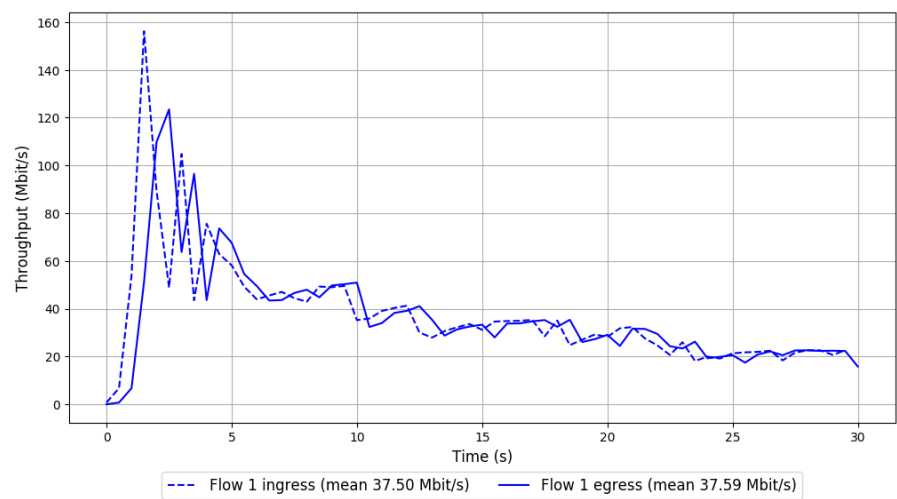


Run 9: Statistics of TCP Cubic

Start at: 2018-05-24 14:08:18
End at: 2018-05-24 14:08:48
Local clock offset: -0.232 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-05-24 14:55:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.59 Mbit/s
95th percentile per-packet one-way delay: 96.332 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 37.59 Mbit/s
95th percentile per-packet one-way delay: 96.332 ms
Loss rate: 0.34%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-05-24 14:29:07

End at: 2018-05-24 14:29:37

Local clock offset: -0.202 ms

Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-05-24 14:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.09 Mbit/s

95th percentile per-packet one-way delay: 97.232 ms

Loss rate: 0.25%

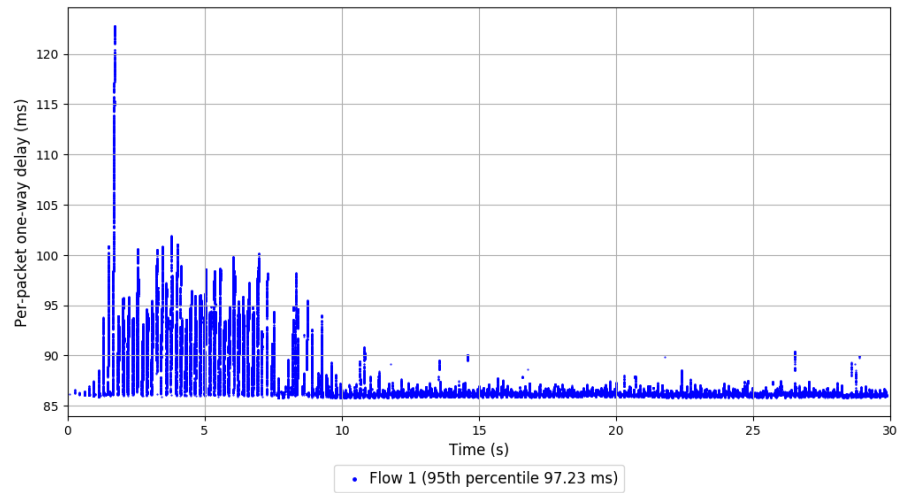
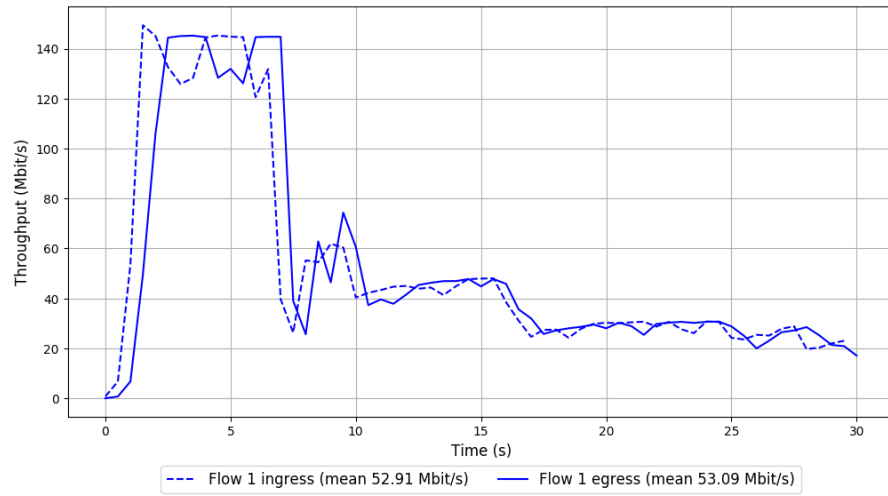
-- Flow 1:

Average throughput: 53.09 Mbit/s

95th percentile per-packet one-way delay: 97.232 ms

Loss rate: 0.25%

Run 10: Report of TCP Cubic — Data Link

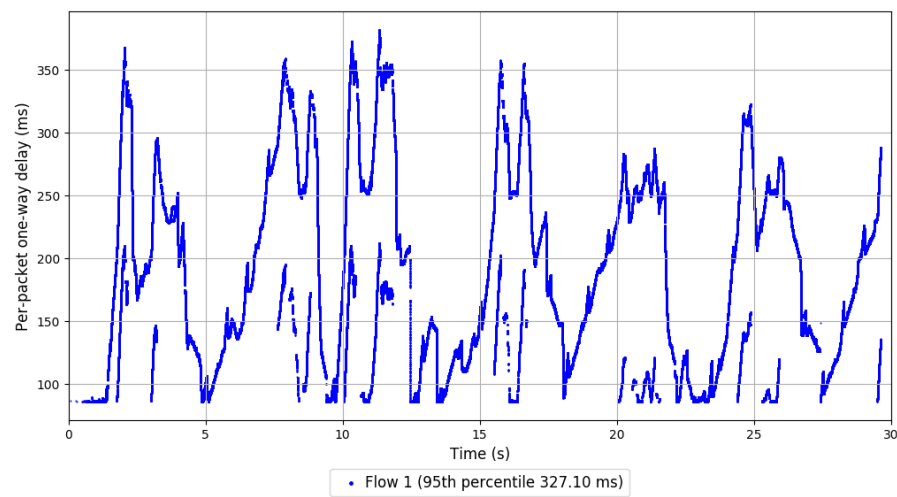
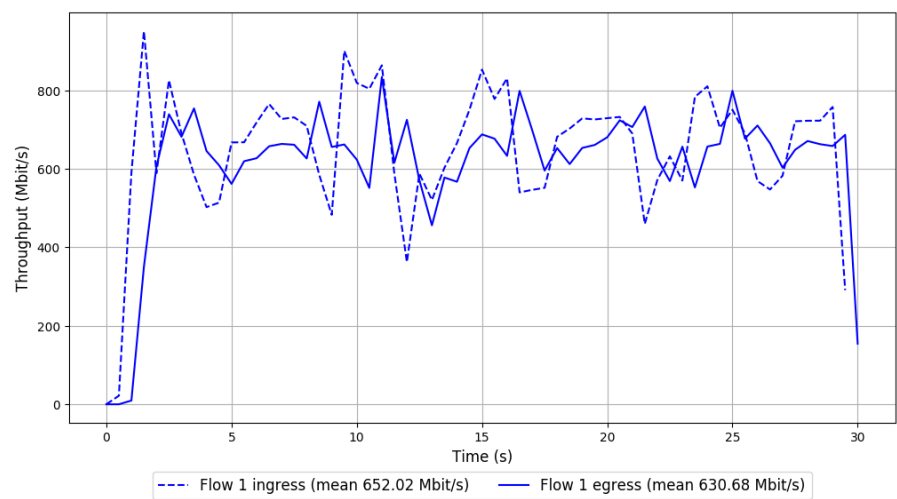


Run 1: Statistics of FillP

Start at: 2018-05-24 11:27:02
End at: 2018-05-24 11:27:32
Local clock offset: -0.016 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-05-24 15:07:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 630.68 Mbit/s
95th percentile per-packet one-way delay: 327.104 ms
Loss rate: 3.84%
-- Flow 1:
Average throughput: 630.68 Mbit/s
95th percentile per-packet one-way delay: 327.104 ms
Loss rate: 3.84%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-05-24 11:47:33

End at: 2018-05-24 11:48:03

Local clock offset: 0.178 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-05-24 15:08:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 669.62 Mbit/s

95th percentile per-packet one-way delay: 314.573 ms

Loss rate: 3.79%

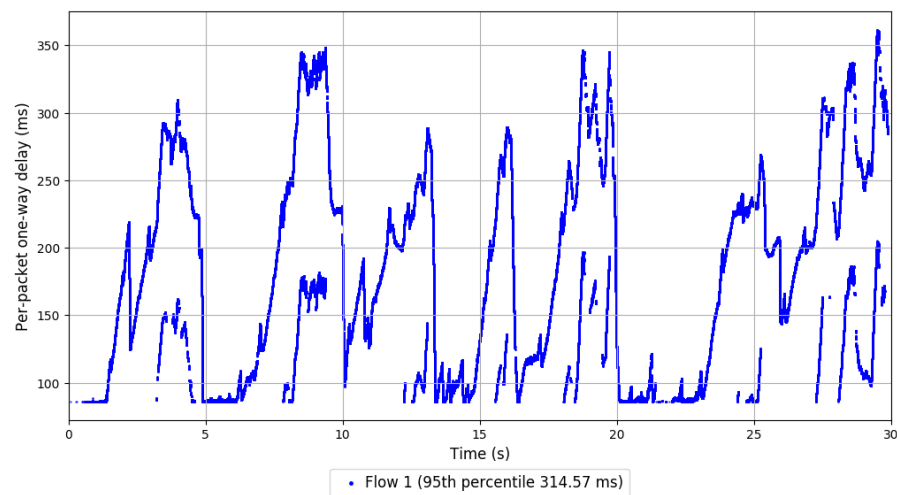
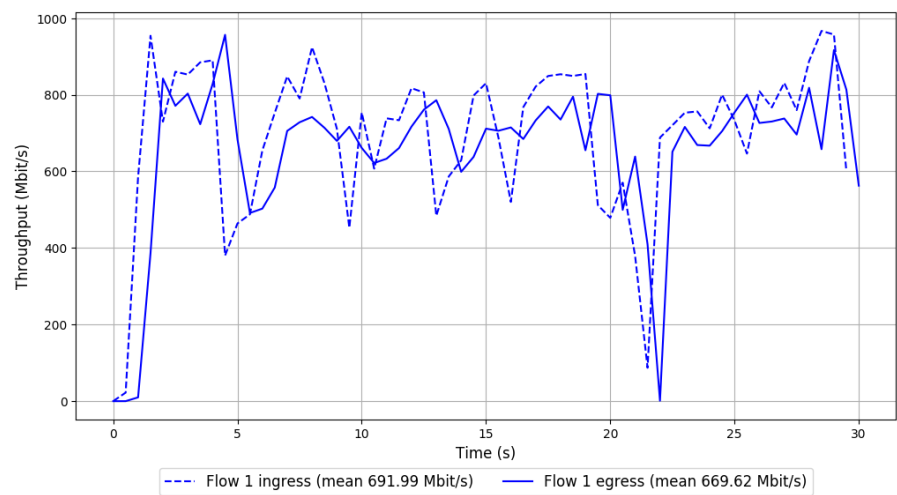
-- Flow 1:

Average throughput: 669.62 Mbit/s

95th percentile per-packet one-way delay: 314.573 ms

Loss rate: 3.79%

Run 2: Report of FillP — Data Link

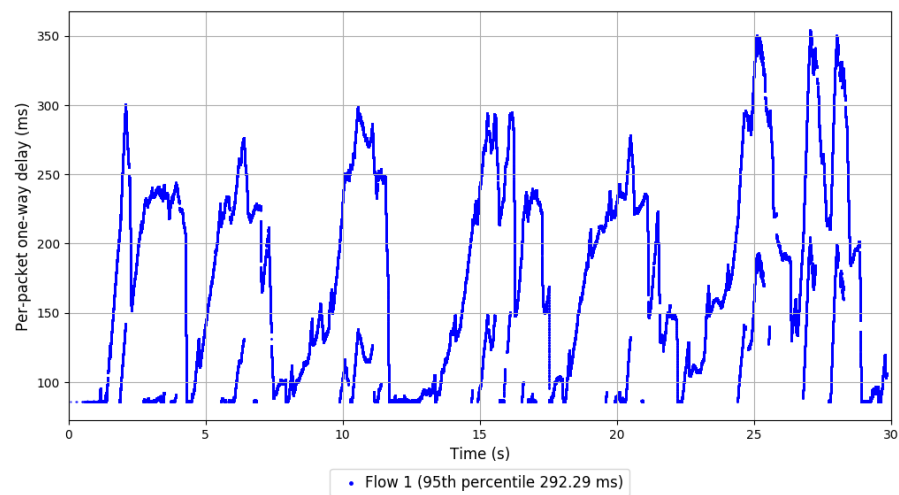
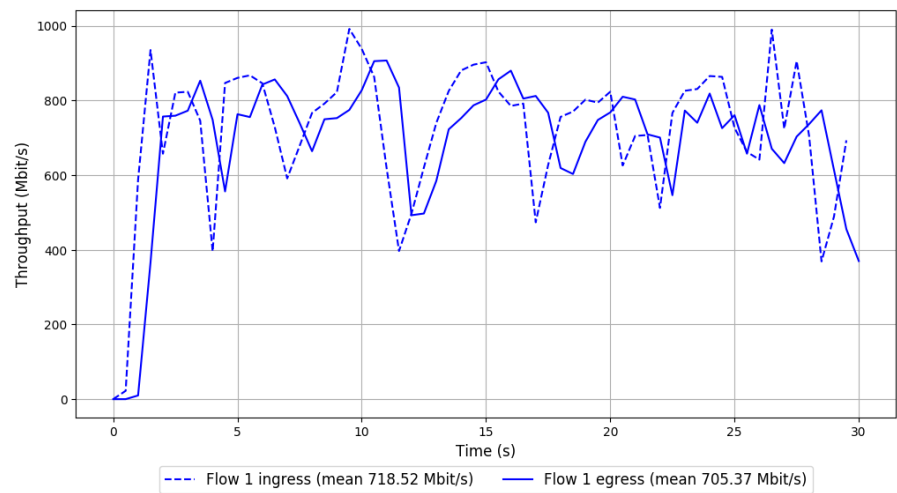


Run 3: Statistics of FillP

Start at: 2018-05-24 12:08:11
End at: 2018-05-24 12:08:41
Local clock offset: 0.032 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-05-24 15:09:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 705.37 Mbit/s
95th percentile per-packet one-way delay: 292.287 ms
Loss rate: 2.40%
-- Flow 1:
Average throughput: 705.37 Mbit/s
95th percentile per-packet one-way delay: 292.287 ms
Loss rate: 2.40%

Run 3: Report of FillP — Data Link

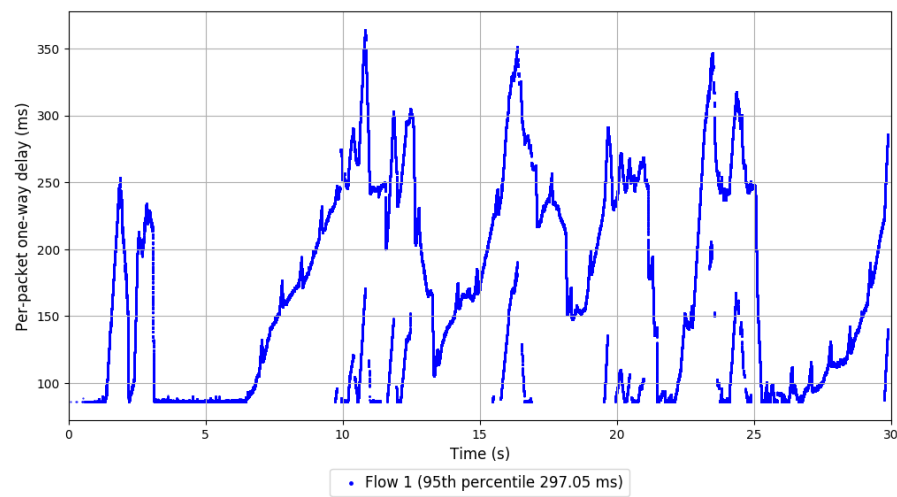
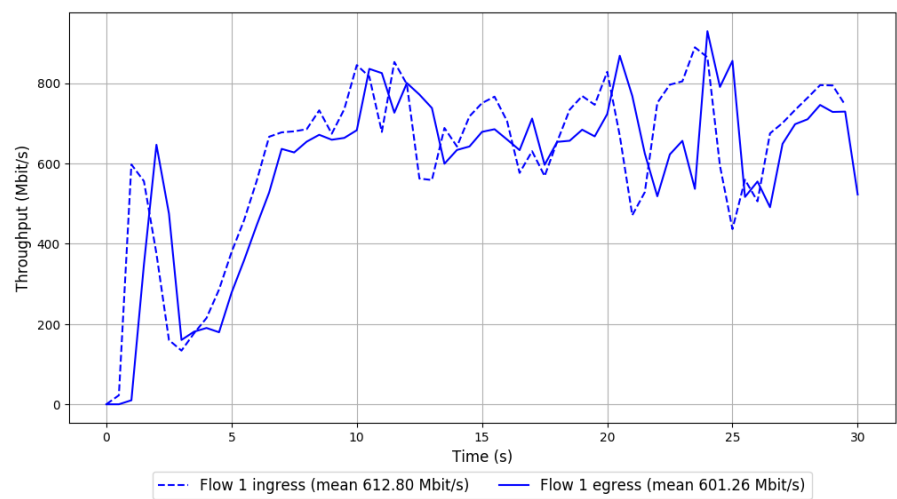


Run 4: Statistics of FillP

Start at: 2018-05-24 12:28:41
End at: 2018-05-24 12:29:11
Local clock offset: 0.006 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-05-24 15:09:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 601.26 Mbit/s
95th percentile per-packet one-way delay: 297.045 ms
Loss rate: 2.45%
-- Flow 1:
Average throughput: 601.26 Mbit/s
95th percentile per-packet one-way delay: 297.045 ms
Loss rate: 2.45%

Run 4: Report of FillP — Data Link

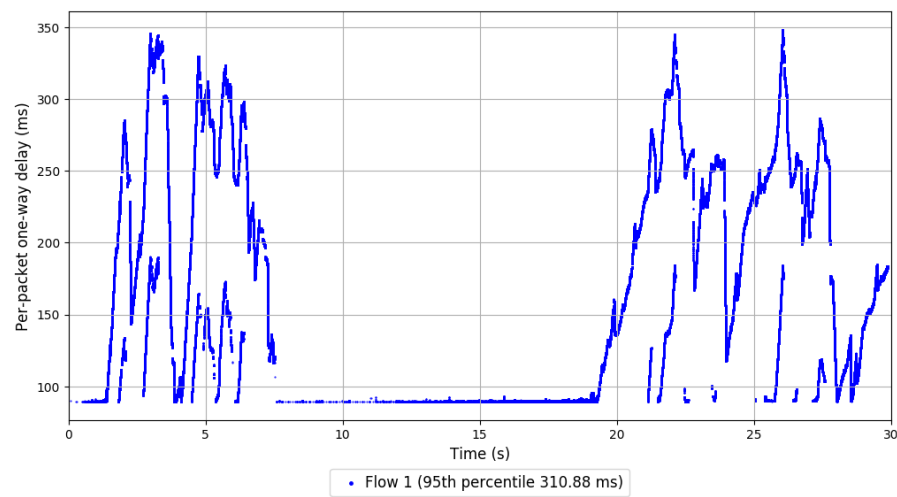
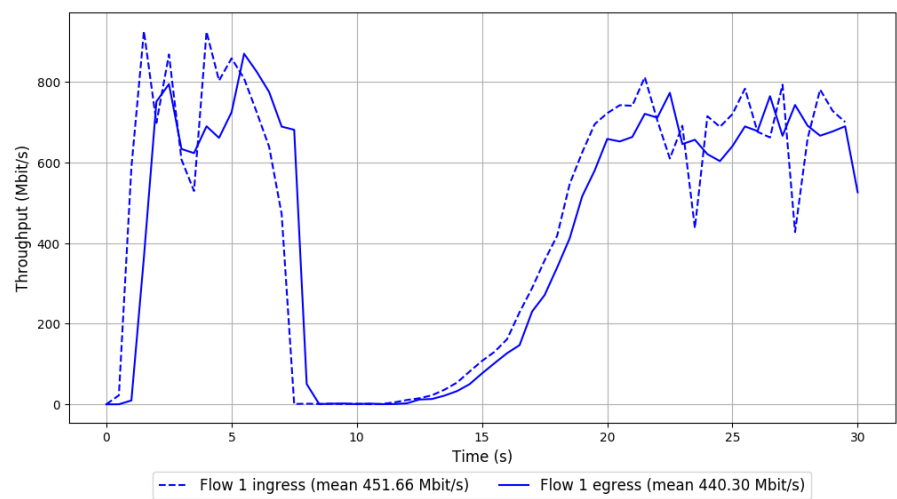


Run 5: Statistics of FillP

Start at: 2018-05-24 12:49:06
End at: 2018-05-24 12:49:36
Local clock offset: 3.503 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-05-24 15:09:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 440.30 Mbit/s
95th percentile per-packet one-way delay: 310.876 ms
Loss rate: 3.08%
-- Flow 1:
Average throughput: 440.30 Mbit/s
95th percentile per-packet one-way delay: 310.876 ms
Loss rate: 3.08%

Run 5: Report of FillP — Data Link

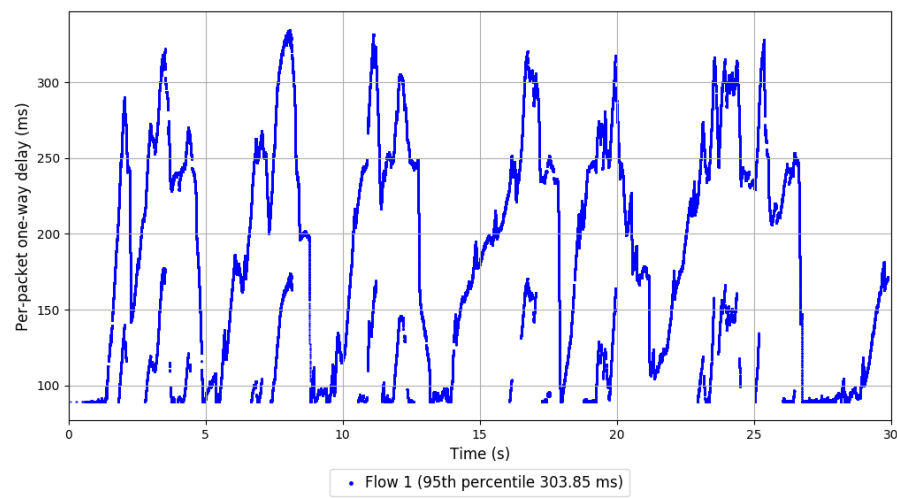
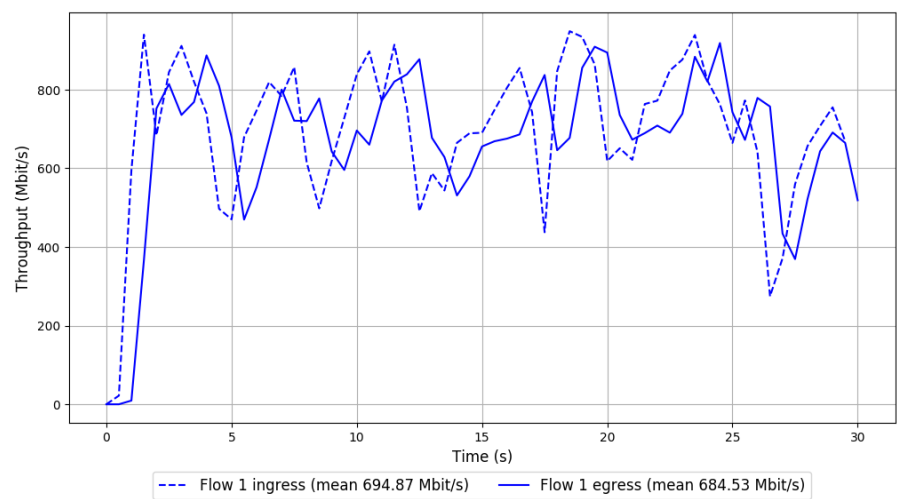


Run 6: Statistics of FillP

Start at: 2018-05-24 13:09:41
End at: 2018-05-24 13:10:11
Local clock offset: 3.363 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-05-24 15:10:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 684.53 Mbit/s
95th percentile per-packet one-way delay: 303.850 ms
Loss rate: 2.06%
-- Flow 1:
Average throughput: 684.53 Mbit/s
95th percentile per-packet one-way delay: 303.850 ms
Loss rate: 2.06%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-05-24 13:30:16

End at: 2018-05-24 13:30:46

Local clock offset: -0.161 ms

Remote clock offset: 0.068 ms

Below is generated by plot.py at 2018-05-24 15:10:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 564.58 Mbit/s

95th percentile per-packet one-way delay: 284.873 ms

Loss rate: 0.74%

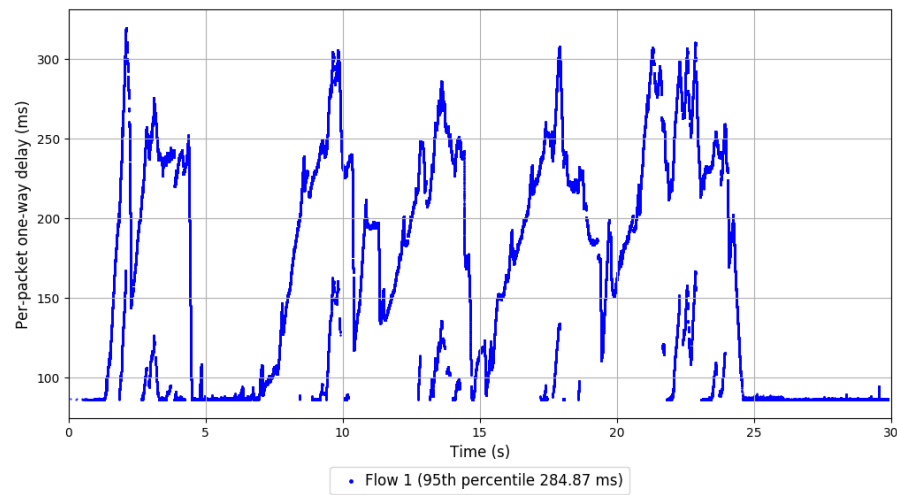
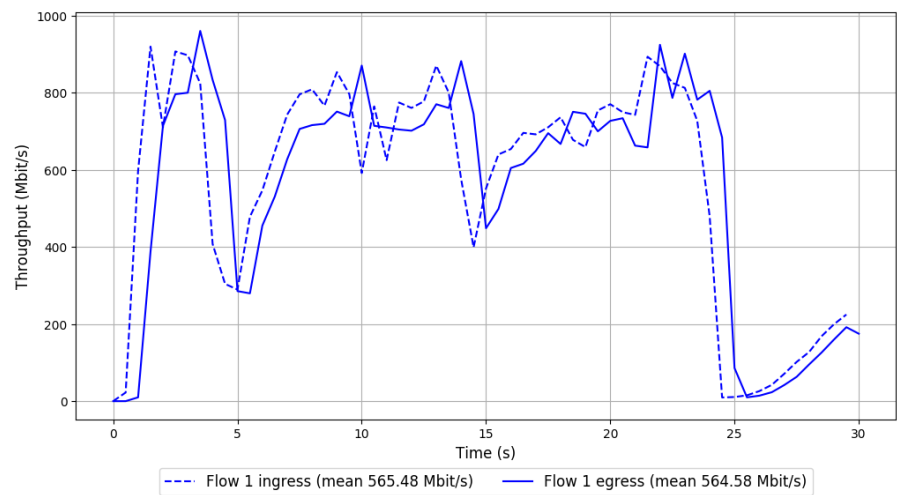
-- Flow 1:

Average throughput: 564.58 Mbit/s

95th percentile per-packet one-way delay: 284.873 ms

Loss rate: 0.74%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-05-24 13:50:46

End at: 2018-05-24 13:51:16

Local clock offset: -0.351 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-05-24 15:10:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 316.34 Mbit/s

95th percentile per-packet one-way delay: 306.144 ms

Loss rate: 3.79%

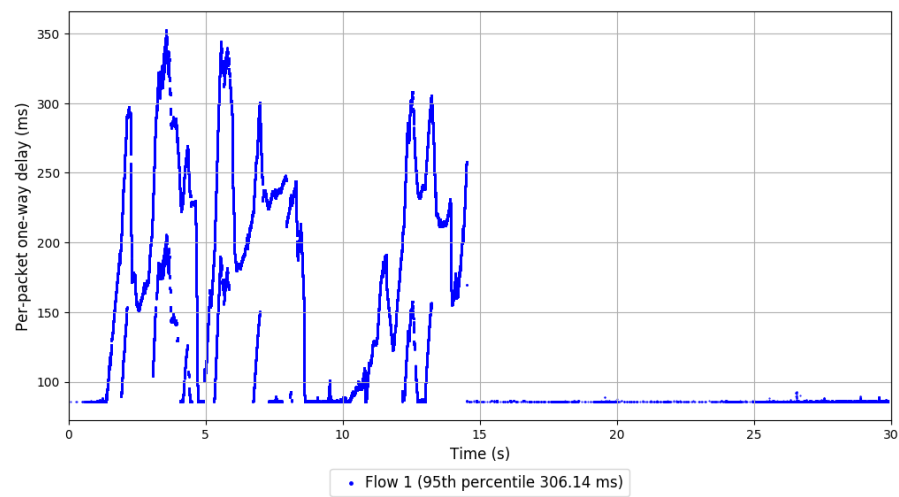
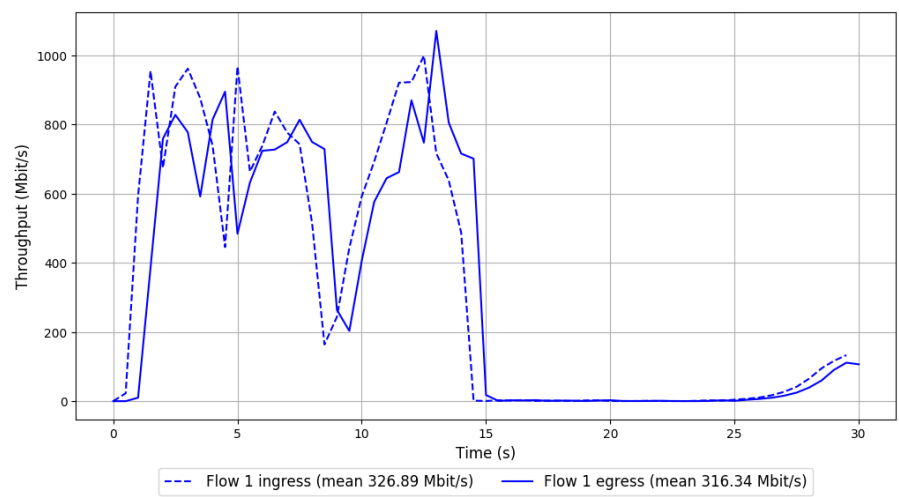
-- Flow 1:

Average throughput: 316.34 Mbit/s

95th percentile per-packet one-way delay: 306.144 ms

Loss rate: 3.79%

Run 8: Report of FillP — Data Link

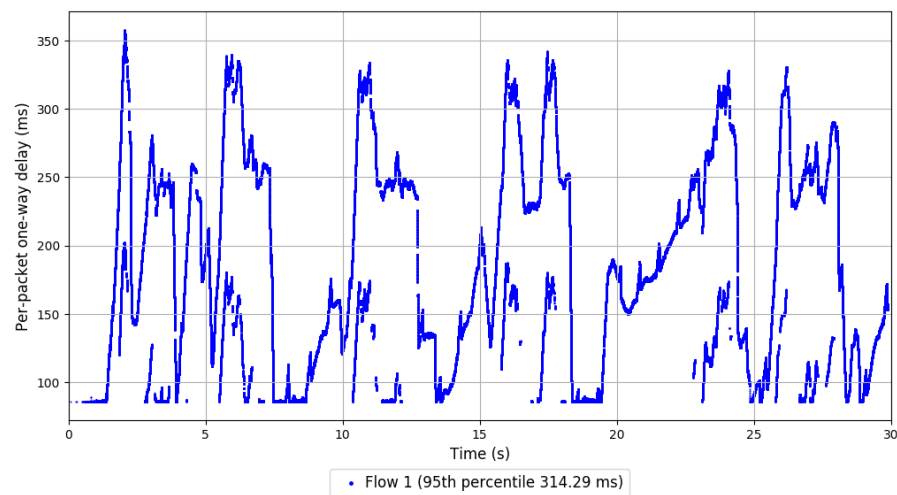
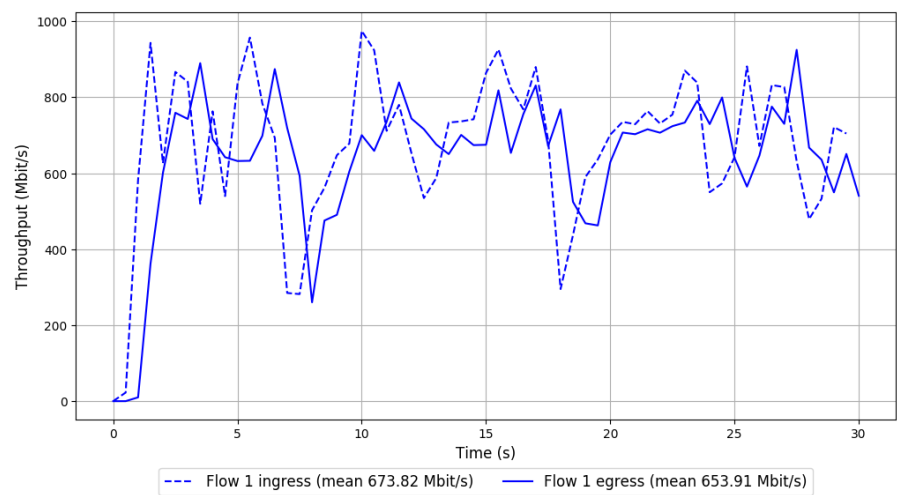


Run 9: Statistics of FillP

Start at: 2018-05-24 14:10:59
End at: 2018-05-24 14:11:29
Local clock offset: -0.292 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-05-24 15:18:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 653.91 Mbit/s
95th percentile per-packet one-way delay: 314.291 ms
Loss rate: 3.52%
-- Flow 1:
Average throughput: 653.91 Mbit/s
95th percentile per-packet one-way delay: 314.291 ms
Loss rate: 3.52%

Run 9: Report of FillP — Data Link

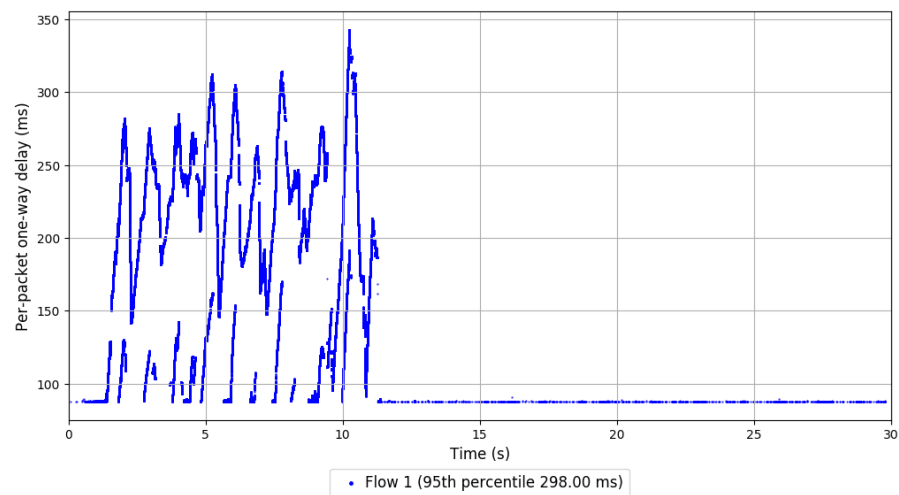
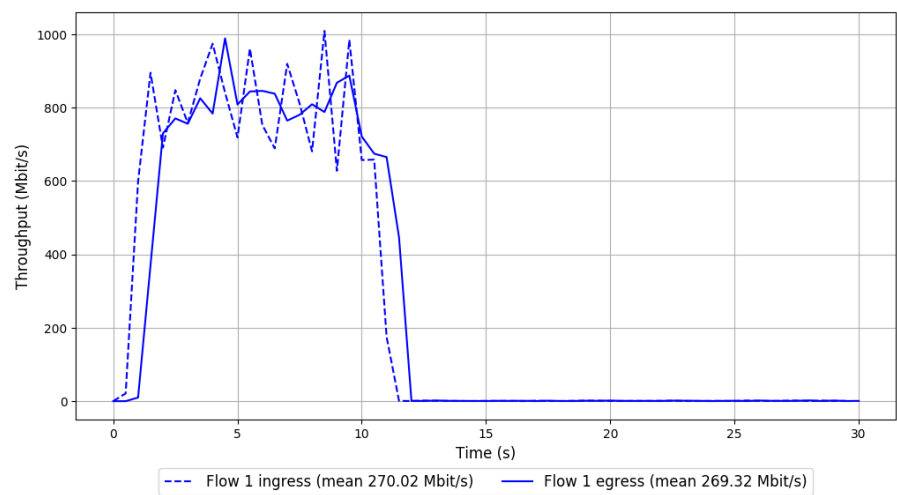


Run 10: Statistics of FillP

Start at: 2018-05-24 14:31:50
End at: 2018-05-24 14:32:20
Local clock offset: 1.678 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-05-24 15:18:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 269.32 Mbit/s
95th percentile per-packet one-way delay: 298.000 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 269.32 Mbit/s
95th percentile per-packet one-way delay: 298.000 ms
Loss rate: 1.08%

Run 10: Report of FillP — Data Link



Run 1: Statistics of Indigo

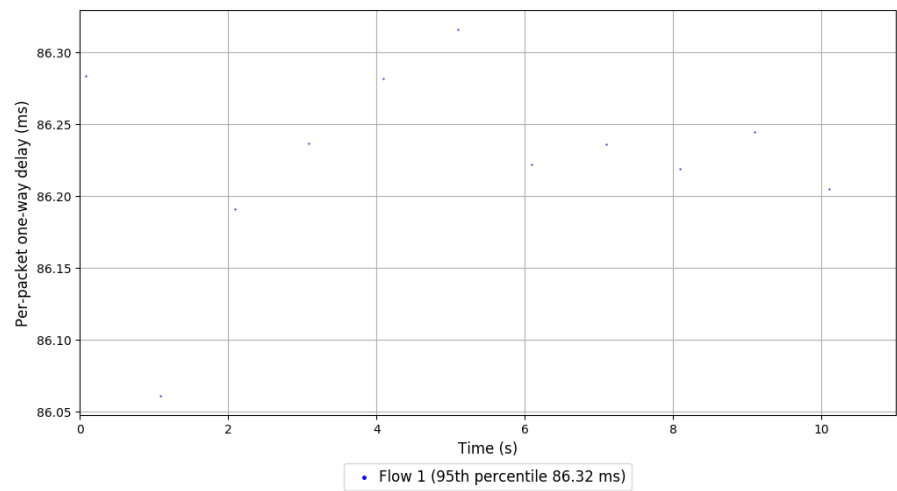
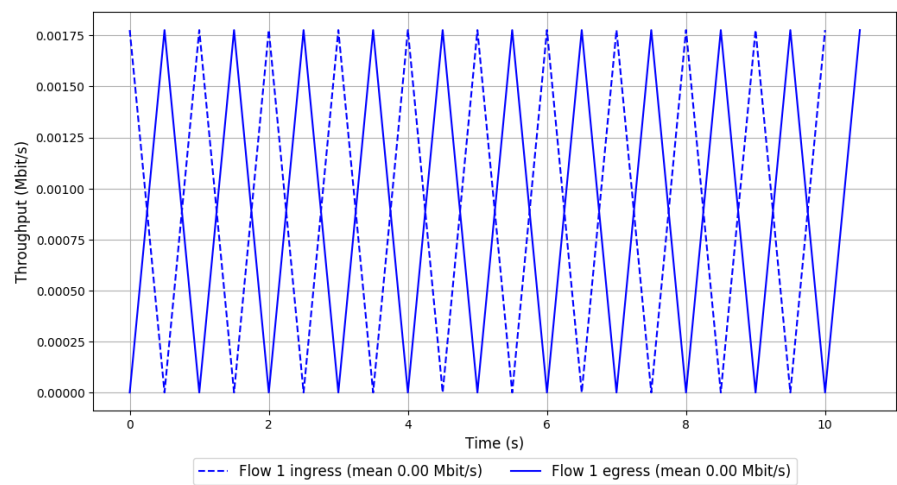
Start at: 2018-05-24 11:21:46

End at: 2018-05-24 11:22:16

Local clock offset: -0.072 ms

Remote clock offset: -0.178 ms

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-05-24 11:42:06

End at: 2018-05-24 11:42:36

Local clock offset: 0.002 ms

Remote clock offset: 0.035 ms

Below is generated by plot.py at 2018-05-24 15:18:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.24 Mbit/s

95th percentile per-packet one-way delay: 86.319 ms

Loss rate: 0.71%

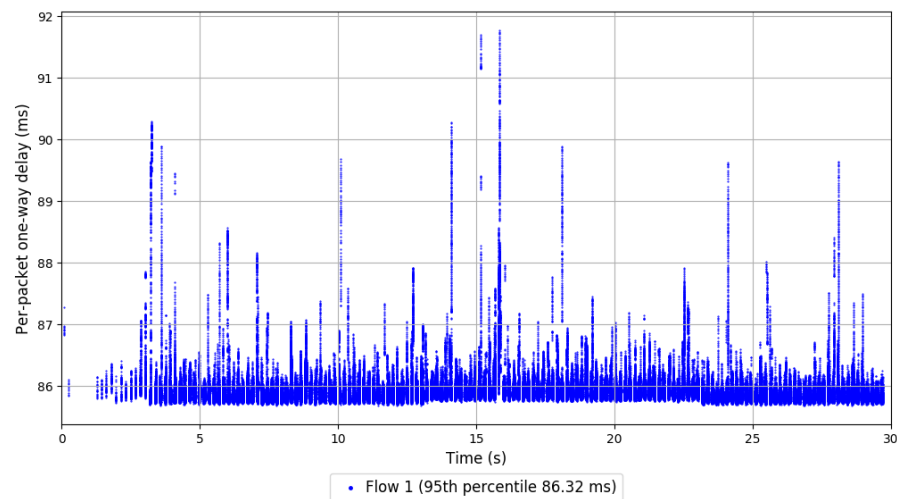
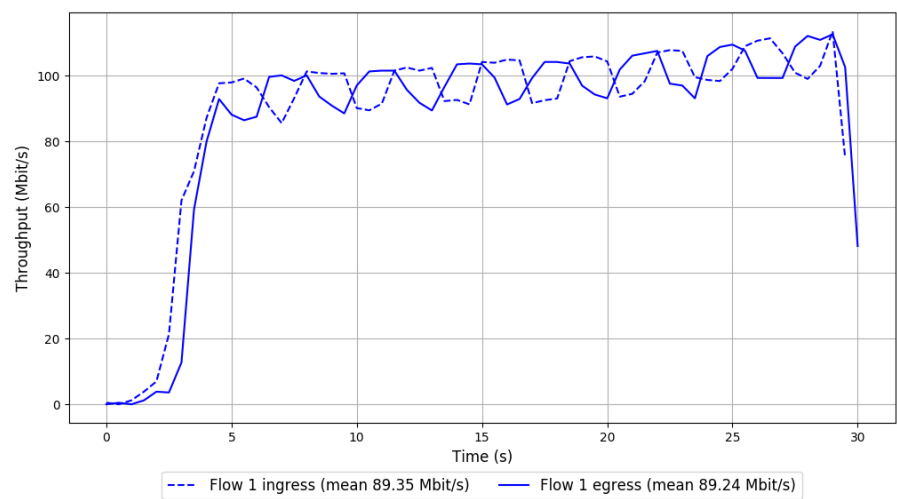
-- Flow 1:

Average throughput: 89.24 Mbit/s

95th percentile per-packet one-way delay: 86.319 ms

Loss rate: 0.71%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-05-24 12:02:33

End at: 2018-05-24 12:03:03

Local clock offset: 0.322 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2018-05-24 15:18:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.99 Mbit/s

95th percentile per-packet one-way delay: 86.423 ms

Loss rate: 0.61%

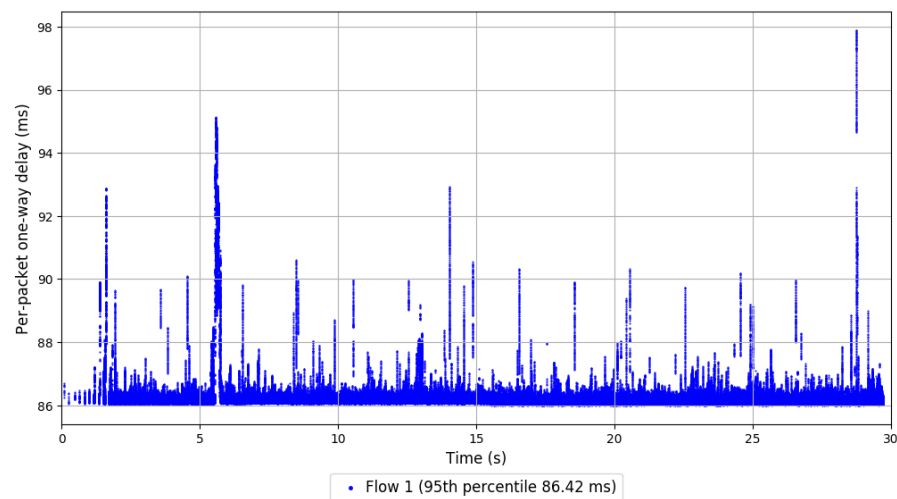
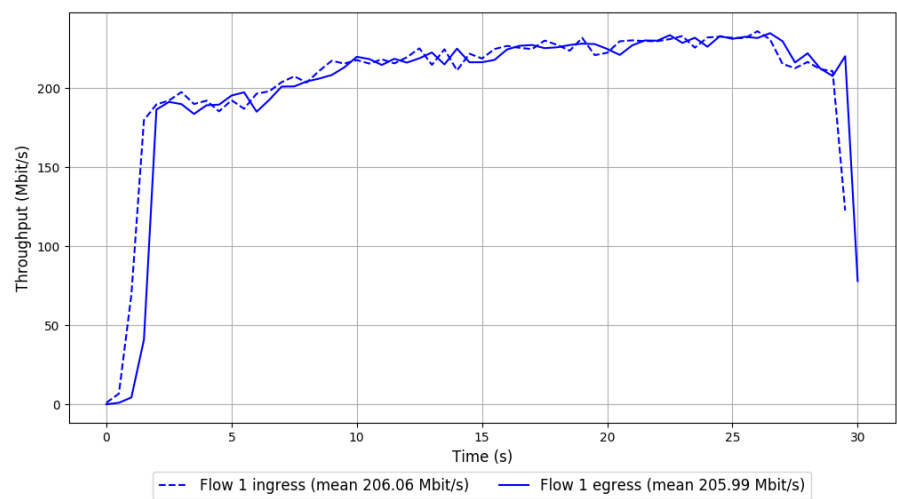
-- Flow 1:

Average throughput: 205.99 Mbit/s

95th percentile per-packet one-way delay: 86.423 ms

Loss rate: 0.61%

Run 3: Report of Indigo — Data Link

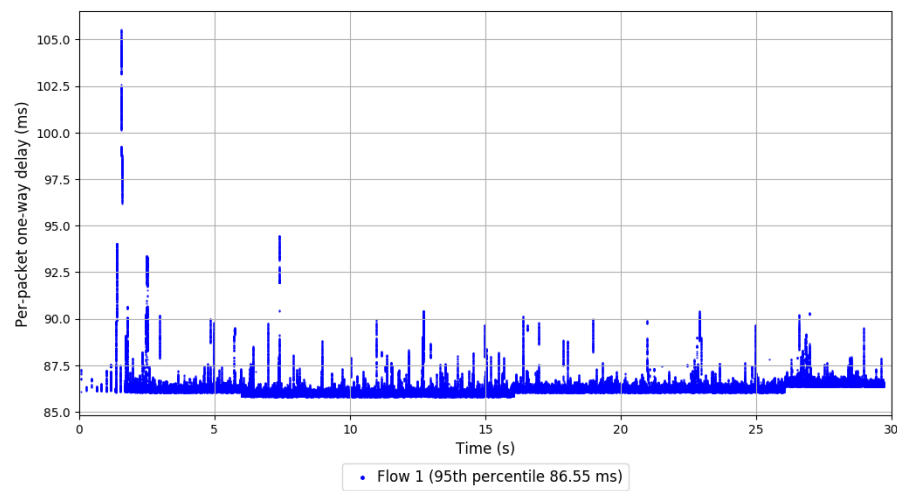
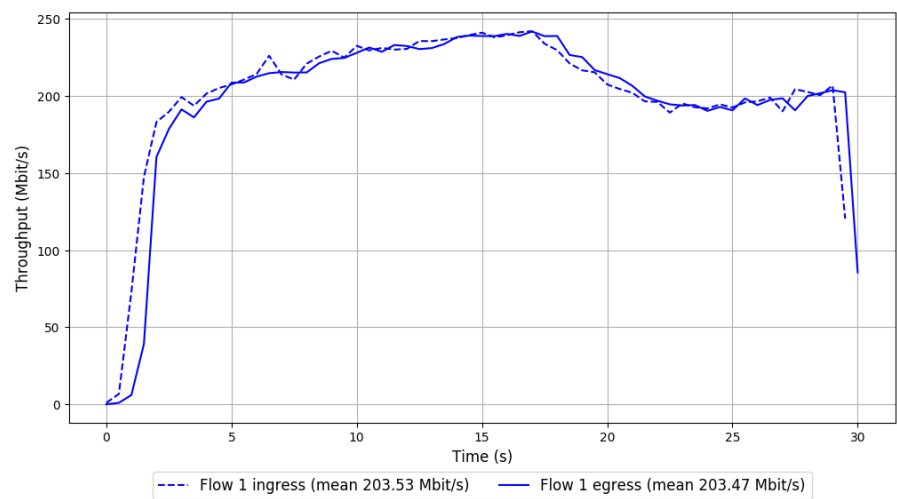


Run 4: Statistics of Indigo

Start at: 2018-05-24 12:23:13
End at: 2018-05-24 12:23:43
Local clock offset: 0.045 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-05-24 15:18:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 203.47 Mbit/s
95th percentile per-packet one-way delay: 86.554 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 203.47 Mbit/s
95th percentile per-packet one-way delay: 86.554 ms
Loss rate: 0.61%

Run 4: Report of Indigo — Data Link

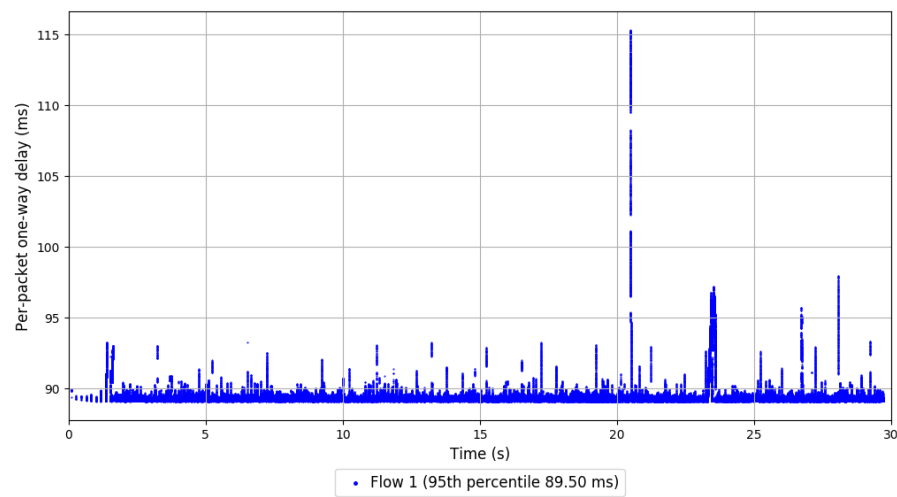
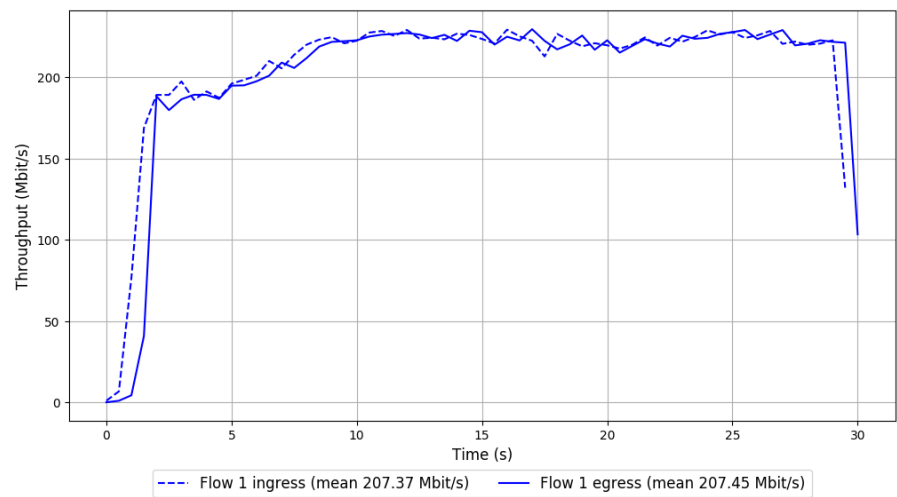


Run 5: Statistics of Indigo

Start at: 2018-05-24 12:43:31
End at: 2018-05-24 12:44:01
Local clock offset: 3.244 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-05-24 15:18:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 207.45 Mbit/s
95th percentile per-packet one-way delay: 89.501 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 207.45 Mbit/s
95th percentile per-packet one-way delay: 89.501 ms
Loss rate: 0.54%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-05-24 13:04:04

End at: 2018-05-24 13:04:34

Local clock offset: 1.778 ms

Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-05-24 15:18:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.92 Mbit/s

95th percentile per-packet one-way delay: 87.972 ms

Loss rate: 0.54%

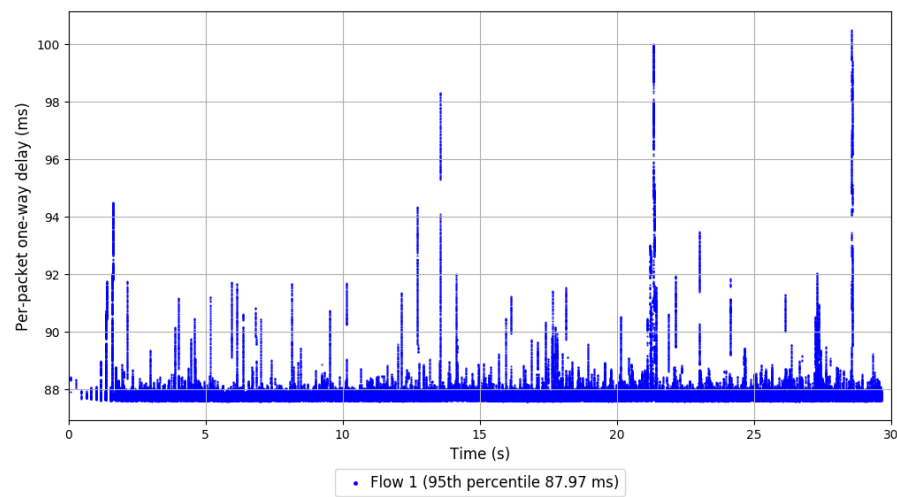
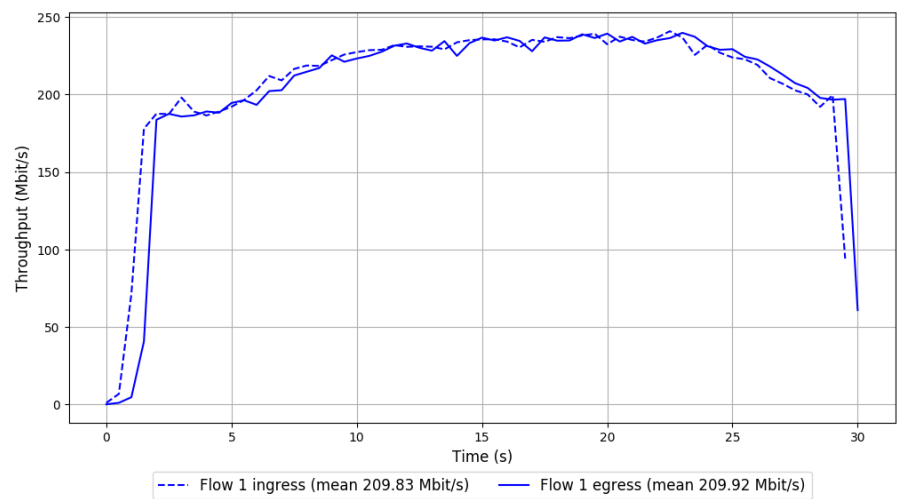
-- Flow 1:

Average throughput: 209.92 Mbit/s

95th percentile per-packet one-way delay: 87.972 ms

Loss rate: 0.54%

Run 6: Report of Indigo — Data Link

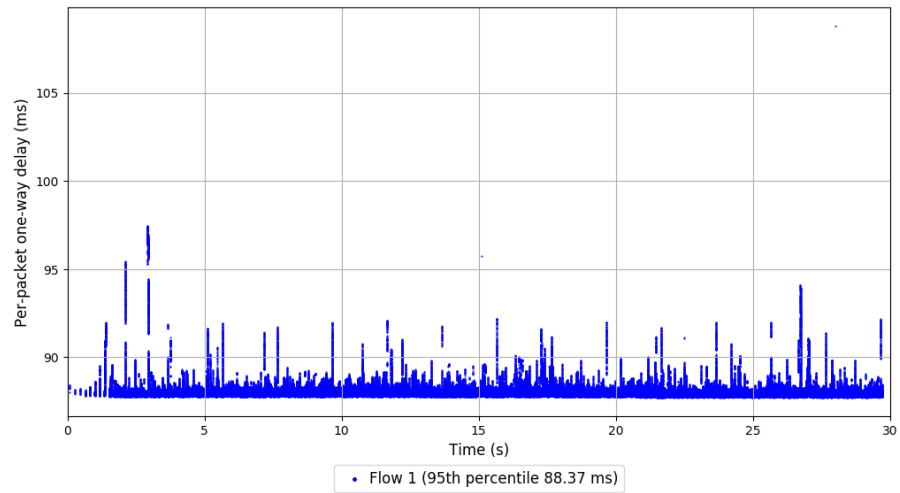
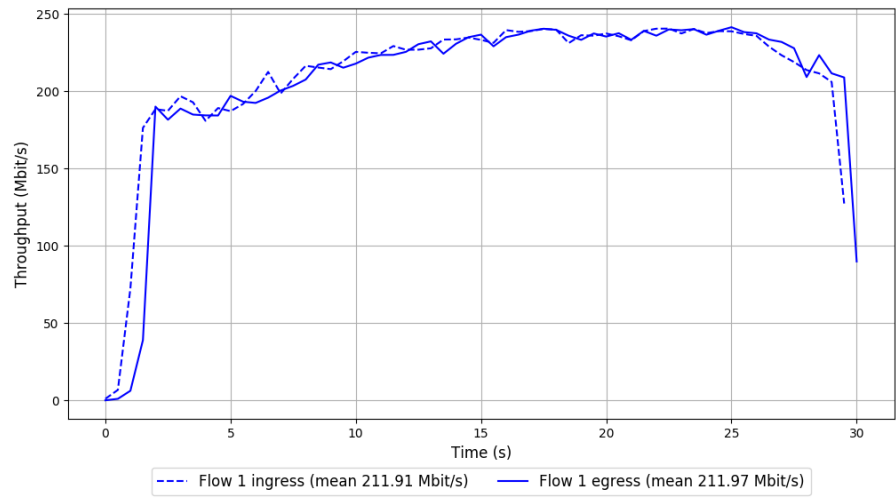


Run 7: Statistics of Indigo

Start at: 2018-05-24 13:24:48
End at: 2018-05-24 13:25:18
Local clock offset: 1.727 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-05-24 15:18:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 211.97 Mbit/s
95th percentile per-packet one-way delay: 88.372 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 211.97 Mbit/s
95th percentile per-packet one-way delay: 88.372 ms
Loss rate: 0.55%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-05-24 13:45:14

End at: 2018-05-24 13:45:44

Local clock offset: -0.162 ms

Remote clock offset: 0.066 ms

Below is generated by plot.py at 2018-05-24 15:18:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.07 Mbit/s

95th percentile per-packet one-way delay: 86.510 ms

Loss rate: 0.65%

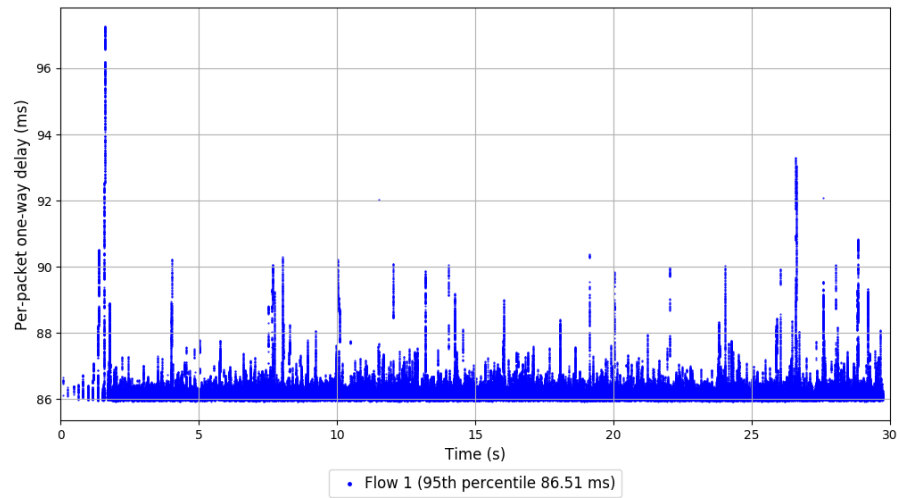
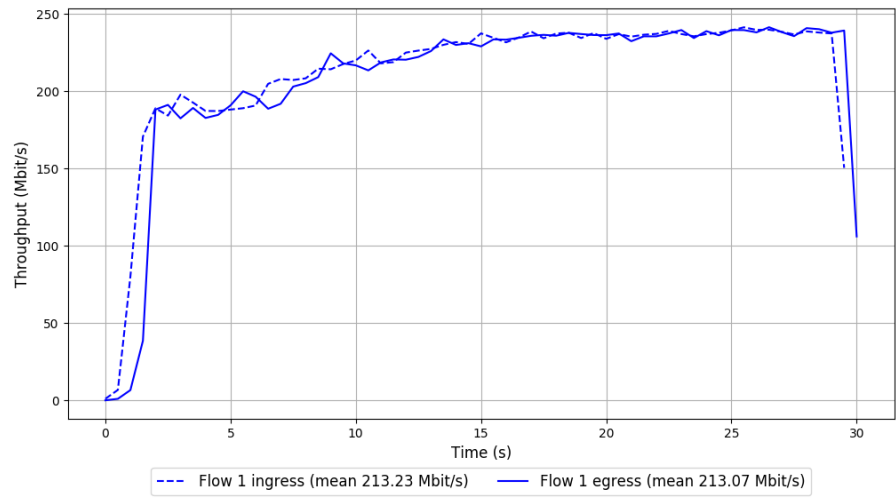
-- Flow 1:

Average throughput: 213.07 Mbit/s

95th percentile per-packet one-way delay: 86.510 ms

Loss rate: 0.65%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-05-24 14:05:33

End at: 2018-05-24 14:06:03

Local clock offset: 1.703 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-05-24 15:18:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.62 Mbit/s

95th percentile per-packet one-way delay: 89.451 ms

Loss rate: 0.64%

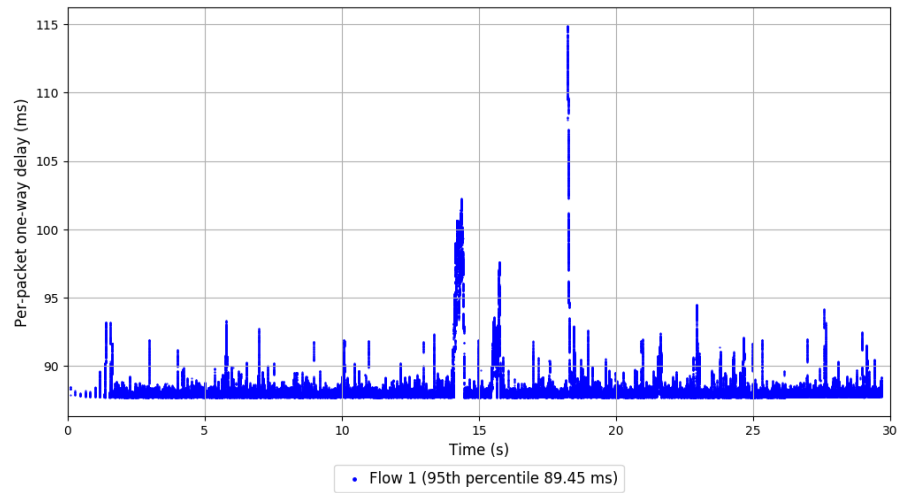
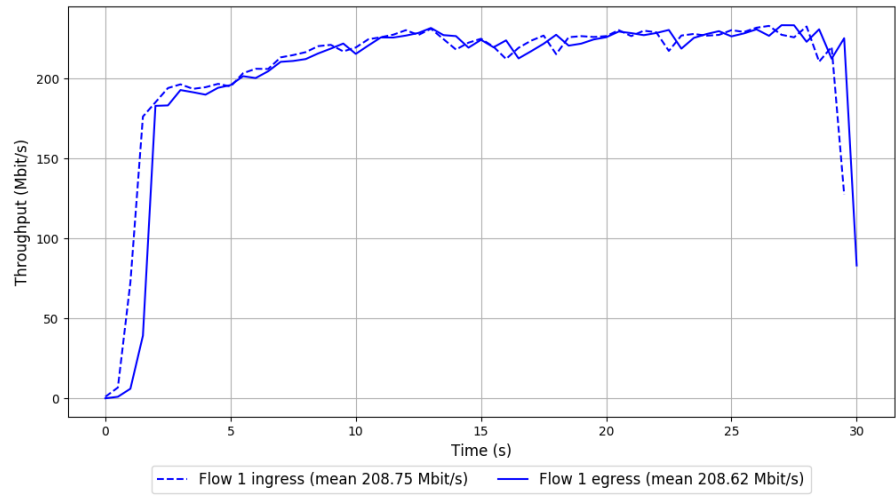
-- Flow 1:

Average throughput: 208.62 Mbit/s

95th percentile per-packet one-way delay: 89.451 ms

Loss rate: 0.64%

Run 9: Report of Indigo — Data Link

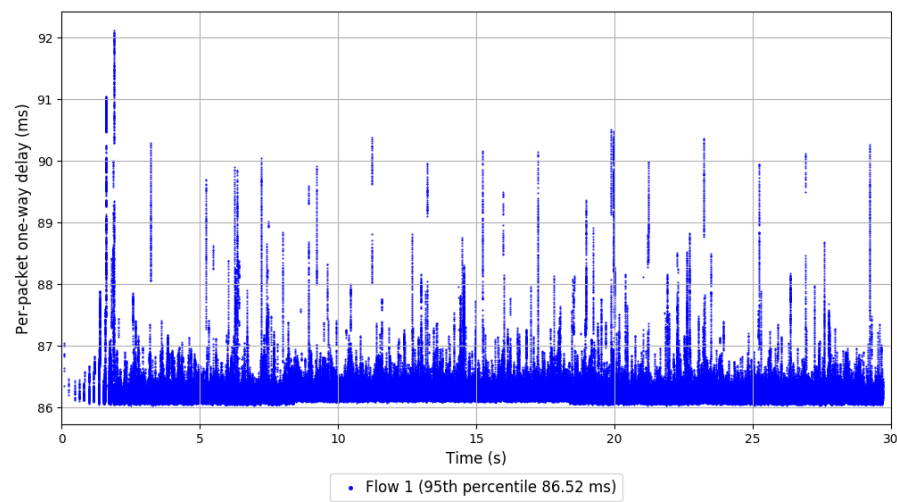
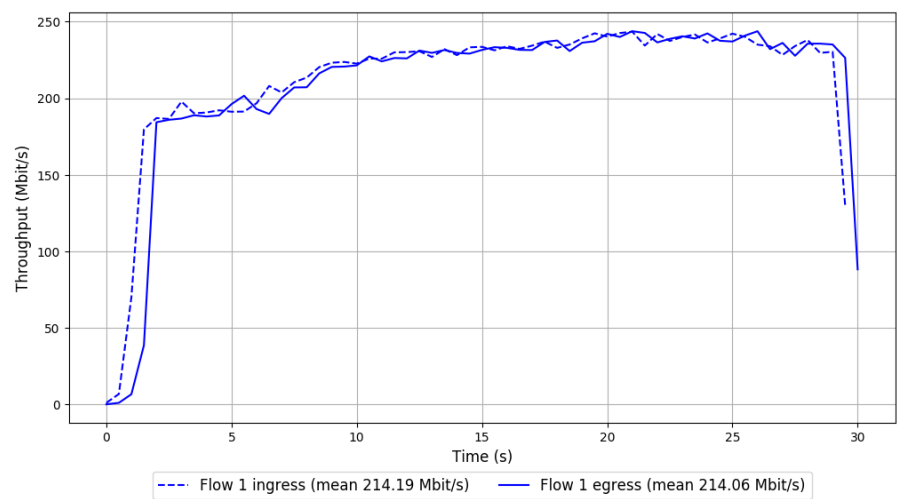


Run 10: Statistics of Indigo

Start at: 2018-05-24 14:26:11
End at: 2018-05-24 14:26:41
Local clock offset: 0.092 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-05-24 15:18:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 214.06 Mbit/s
95th percentile per-packet one-way delay: 86.521 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 214.06 Mbit/s
95th percentile per-packet one-way delay: 86.521 ms
Loss rate: 0.64%

Run 10: Report of Indigo — Data Link

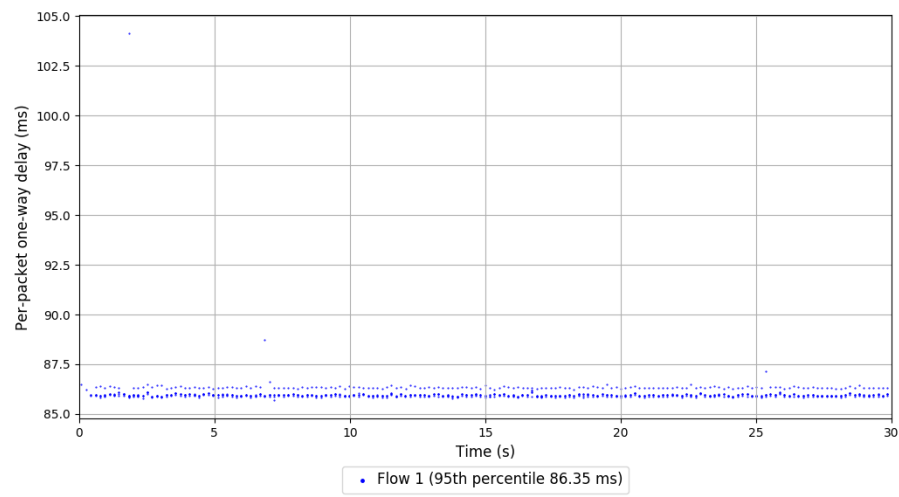
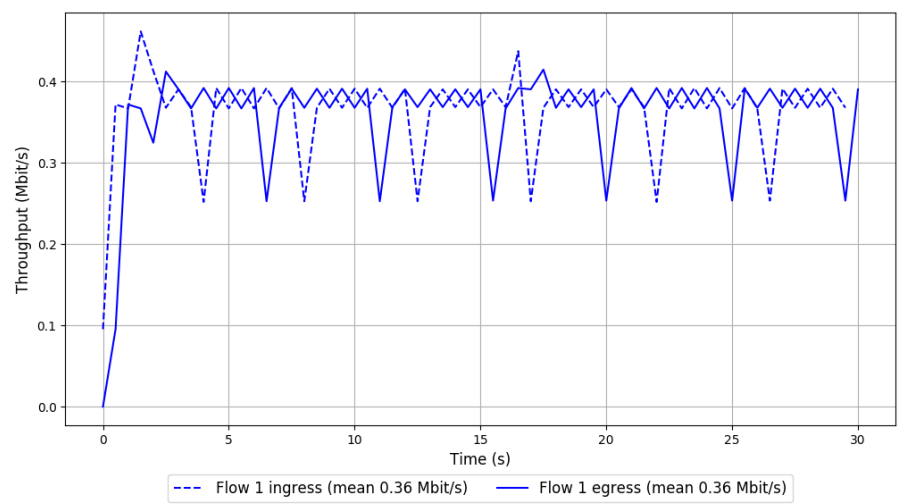


```
Run 1: Statistics of LEDBAT

Start at: 2018-05-24 11:14:36
End at: 2018-05-24 11:15:06
Local clock offset: -0.193 ms
Remote clock offset: -0.095 ms

# Below is generated by plot.py at 2018-05-24 15:18:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 86.352 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 86.352 ms
Loss rate: 0.53%
```

Run 1: Report of LEDBAT — Data Link

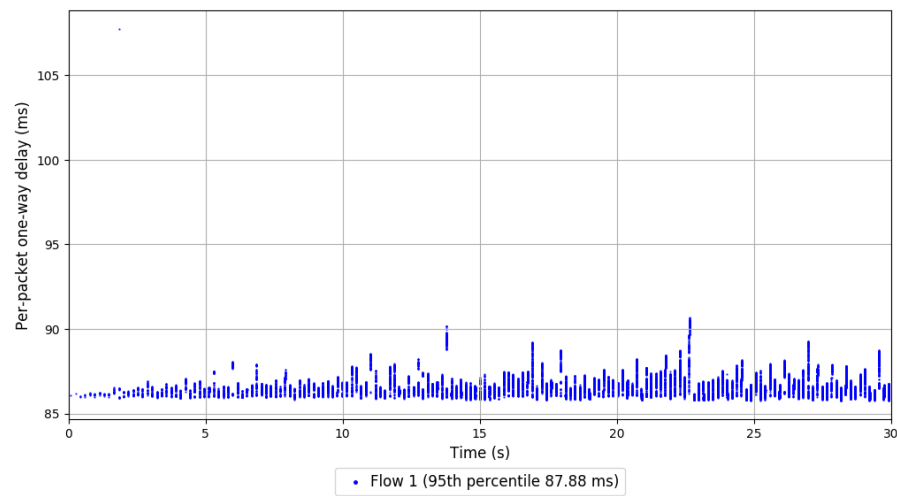
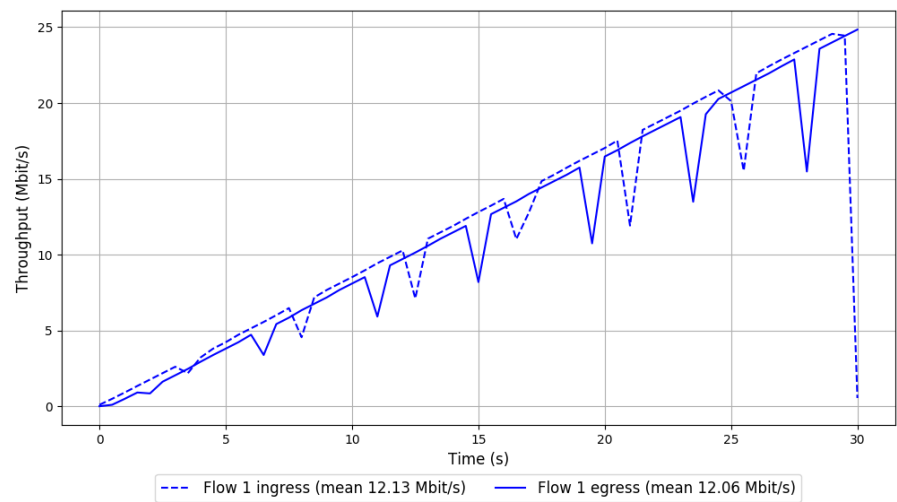


Run 2: Statistics of LEDBAT

Start at: 2018-05-24 11:34:54
End at: 2018-05-24 11:35:24
Local clock offset: -0.043 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-05-24 15:18:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.06 Mbit/s
95th percentile per-packet one-way delay: 87.876 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 12.06 Mbit/s
95th percentile per-packet one-way delay: 87.876 ms
Loss rate: 1.15%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-05-24 11:55:27

End at: 2018-05-24 11:55:57

Local clock offset: 0.06 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-05-24 15:18:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.82 Mbit/s

95th percentile per-packet one-way delay: 87.608 ms

Loss rate: 1.16%

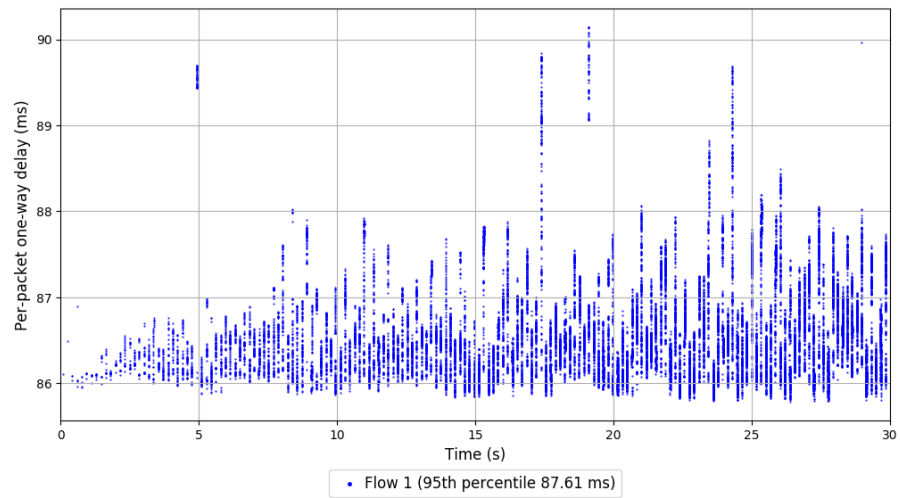
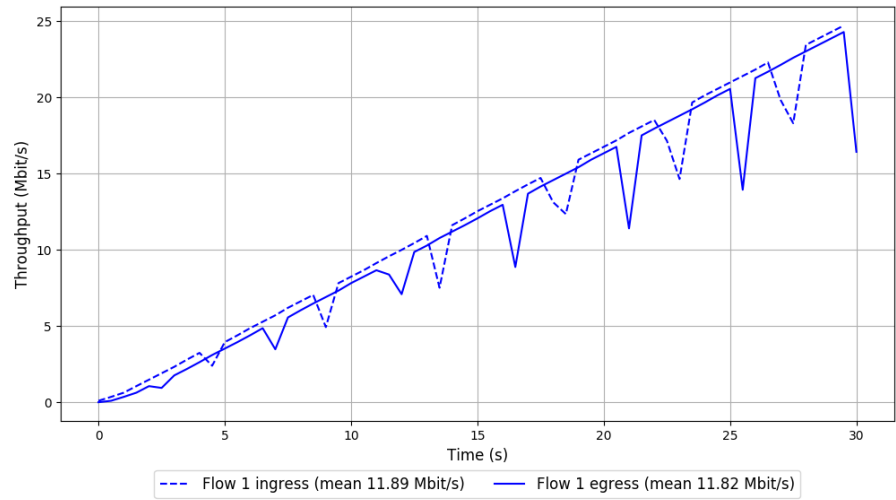
-- Flow 1:

Average throughput: 11.82 Mbit/s

95th percentile per-packet one-way delay: 87.608 ms

Loss rate: 1.16%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-05-24 12:16:05

End at: 2018-05-24 12:16:35

Local clock offset: 0.09 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-05-24 15:18:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.96 Mbit/s

95th percentile per-packet one-way delay: 89.147 ms

Loss rate: 1.16%

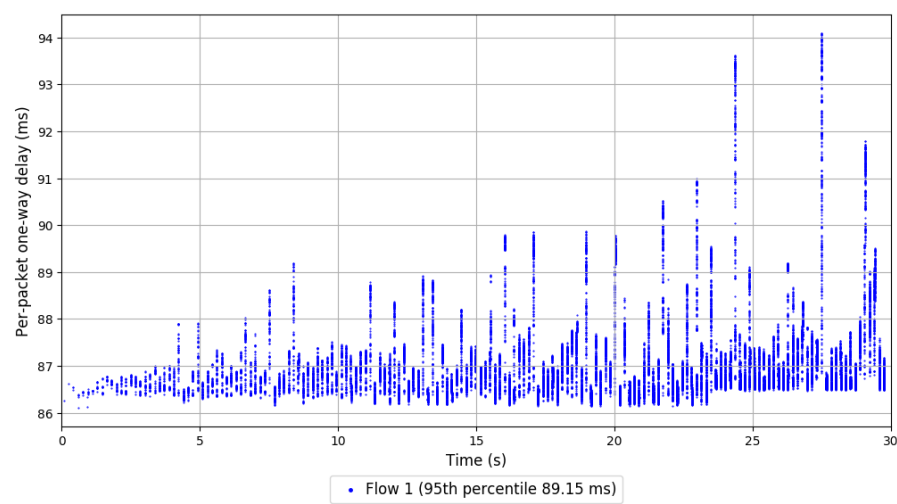
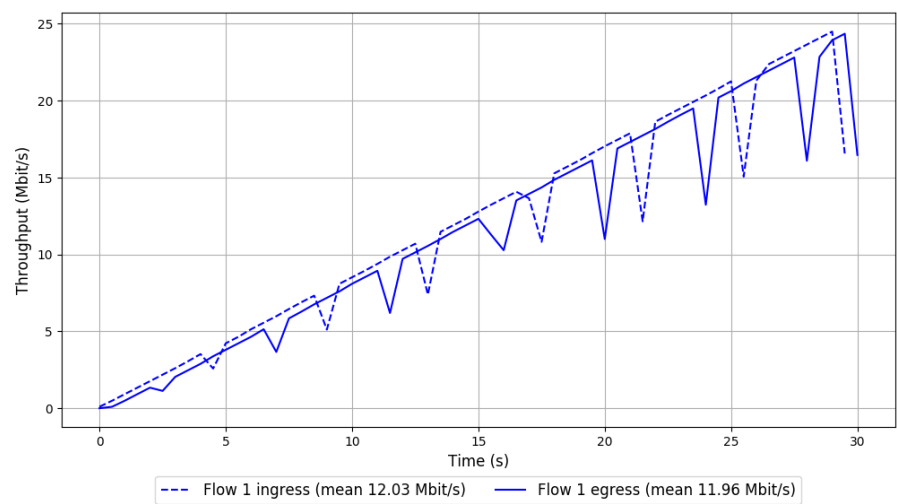
-- Flow 1:

Average throughput: 11.96 Mbit/s

95th percentile per-packet one-way delay: 89.147 ms

Loss rate: 1.16%

Run 4: Report of LEDBAT — Data Link

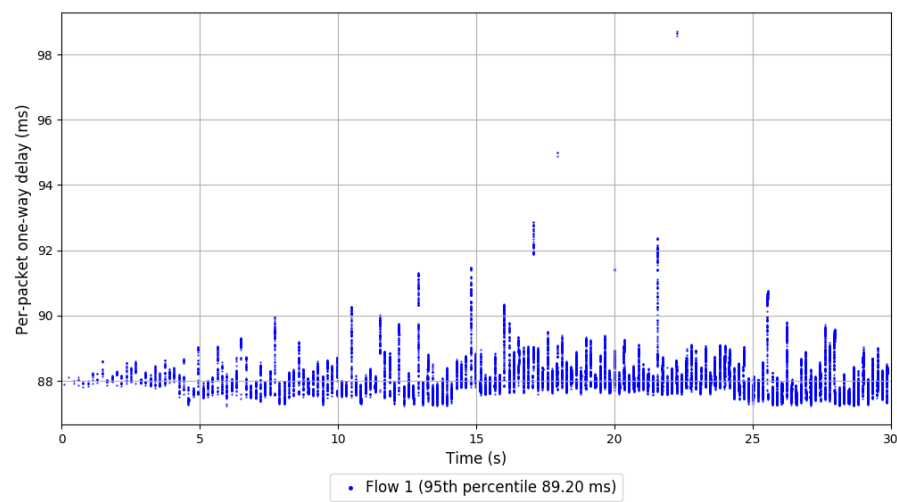
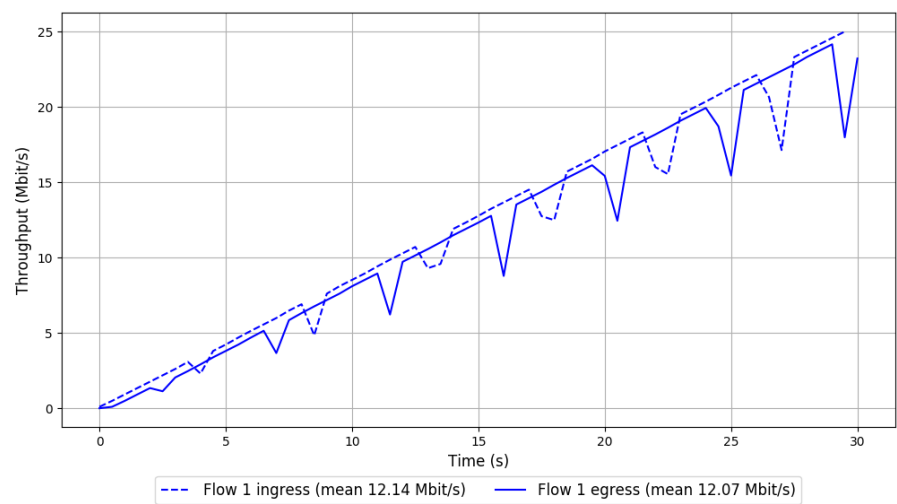


Run 5: Statistics of LEDBAT

Start at: 2018-05-24 12:36:25
End at: 2018-05-24 12:36:55
Local clock offset: 1.389 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-05-24 15:18:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.07 Mbit/s
95th percentile per-packet one-way delay: 89.198 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 12.07 Mbit/s
95th percentile per-packet one-way delay: 89.198 ms
Loss rate: 1.15%

Run 5: Report of LEDBAT — Data Link

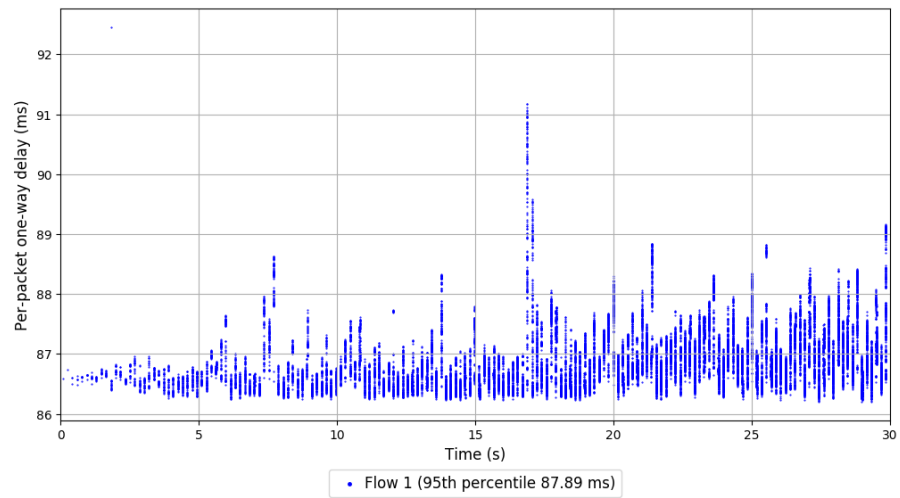
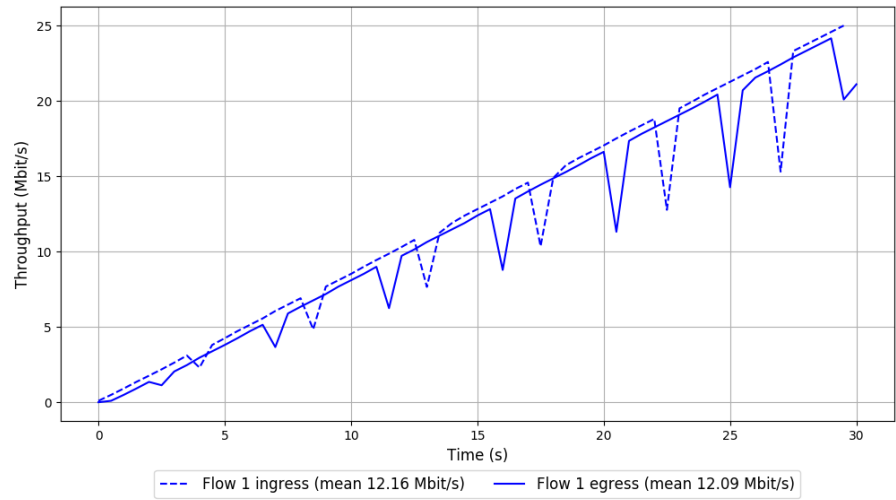


Run 6: Statistics of LEDBAT

Start at: 2018-05-24 12:56:53
End at: 2018-05-24 12:57:23
Local clock offset: 0.37 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-05-24 15:18:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.09 Mbit/s
95th percentile per-packet one-way delay: 87.894 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 12.09 Mbit/s
95th percentile per-packet one-way delay: 87.894 ms
Loss rate: 1.15%

Run 6: Report of LEDBAT — Data Link

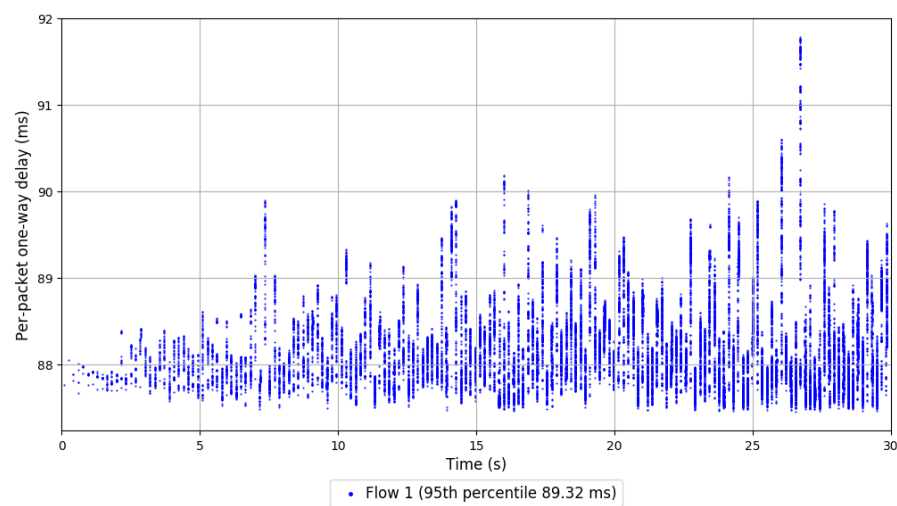
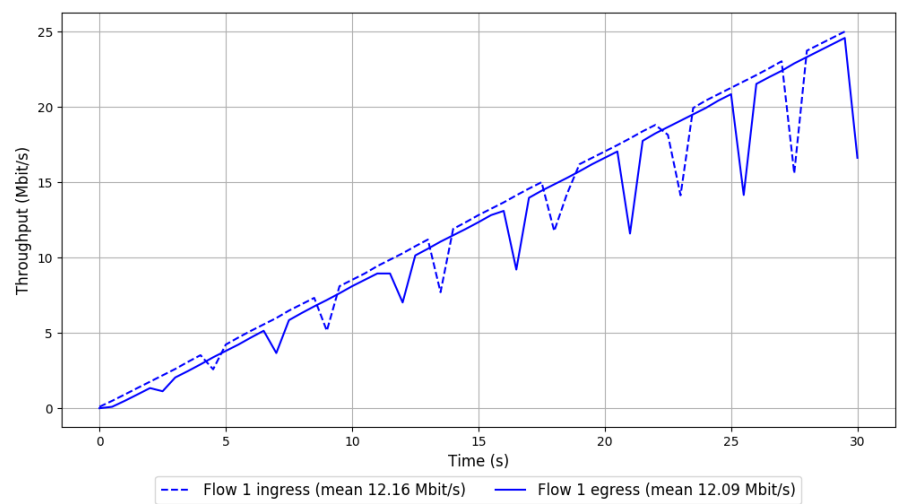


Run 7: Statistics of LEDBAT

Start at: 2018-05-24 13:17:37
End at: 2018-05-24 13:18:07
Local clock offset: 1.535 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-05-24 15:18:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.09 Mbit/s
95th percentile per-packet one-way delay: 89.324 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 12.09 Mbit/s
95th percentile per-packet one-way delay: 89.324 ms
Loss rate: 1.15%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-05-24 13:38:05

End at: 2018-05-24 13:38:35

Local clock offset: -0.314 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-05-24 15:18:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.07 Mbit/s

95th percentile per-packet one-way delay: 87.846 ms

Loss rate: 1.15%

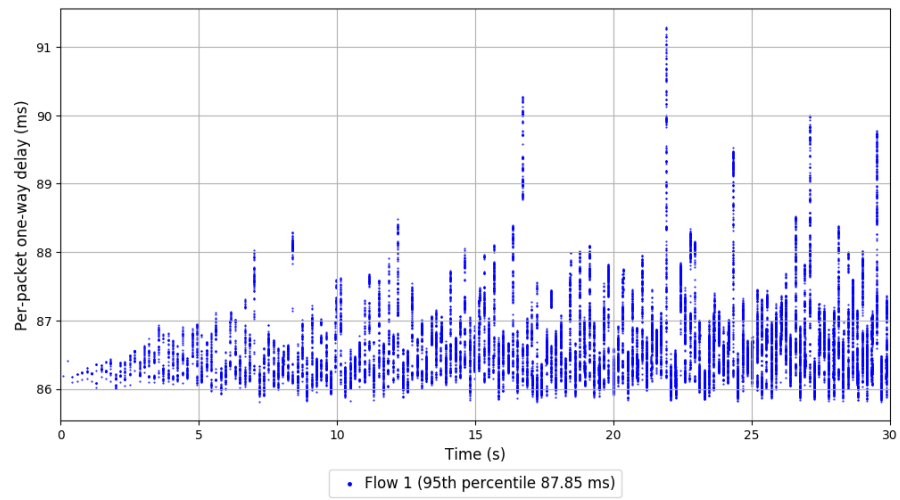
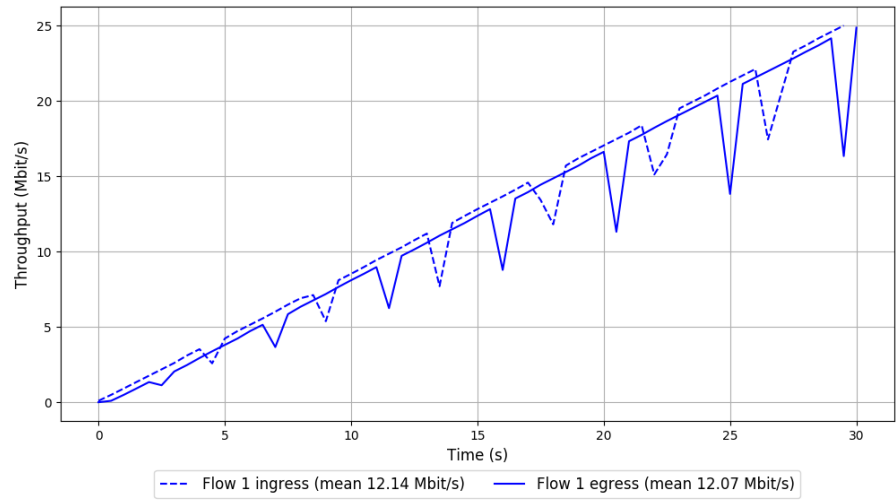
-- Flow 1:

Average throughput: 12.07 Mbit/s

95th percentile per-packet one-way delay: 87.846 ms

Loss rate: 1.15%

Run 8: Report of LEDBAT — Data Link

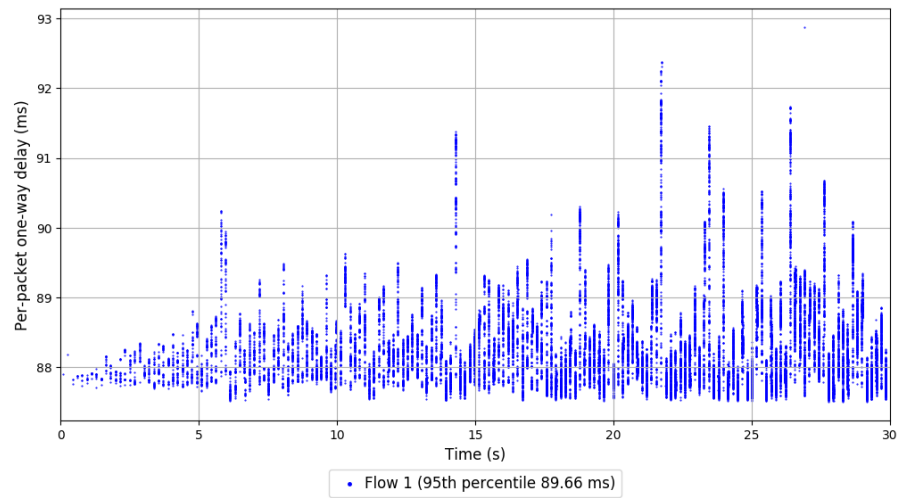
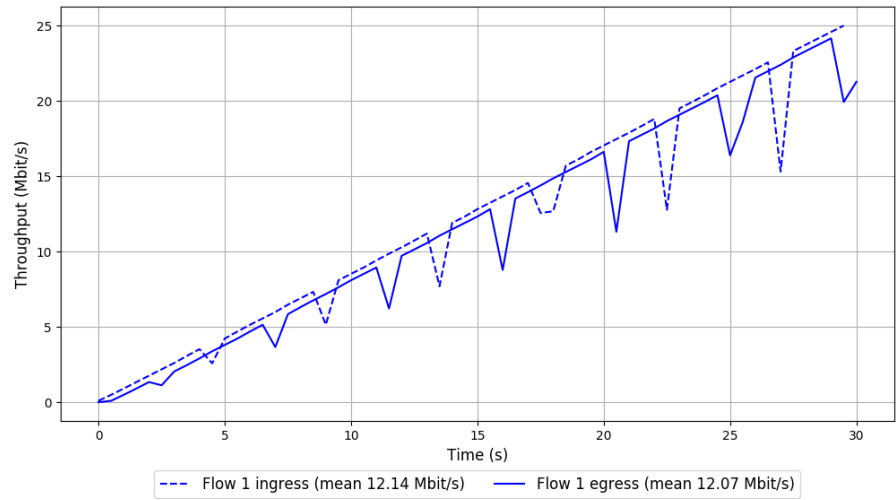


Run 9: Statistics of LEDBAT

Start at: 2018-05-24 13:58:29
End at: 2018-05-24 13:58:59
Local clock offset: 1.487 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-05-24 15:18:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.07 Mbit/s
95th percentile per-packet one-way delay: 89.658 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 12.07 Mbit/s
95th percentile per-packet one-way delay: 89.658 ms
Loss rate: 1.15%

Run 9: Report of LEDBAT — Data Link

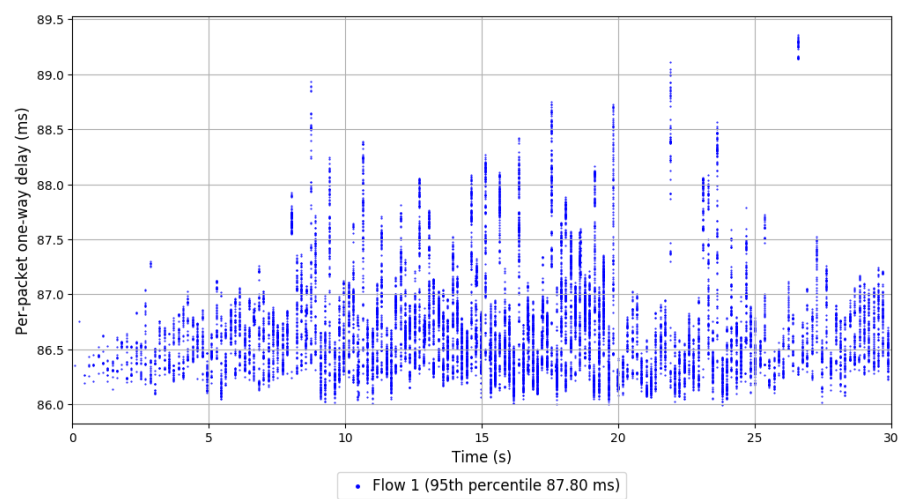
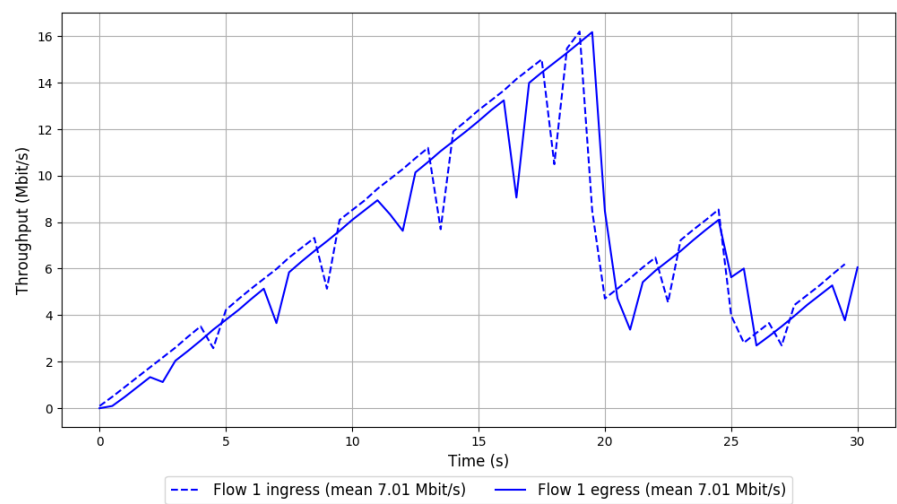


Run 10: Statistics of LEDBAT

Start at: 2018-05-24 14:18:56
End at: 2018-05-24 14:19:26
Local clock offset: -0.037 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-05-24 15:18:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.01 Mbit/s
95th percentile per-packet one-way delay: 87.802 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 7.01 Mbit/s
95th percentile per-packet one-way delay: 87.802 ms
Loss rate: 0.51%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-05-24 11:18:06

End at: 2018-05-24 11:18:36

Local clock offset: -0.005 ms

Remote clock offset: -0.187 ms

Below is generated by plot.py at 2018-05-24 15:19:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 329.74 Mbit/s

95th percentile per-packet one-way delay: 169.434 ms

Loss rate: 1.03%

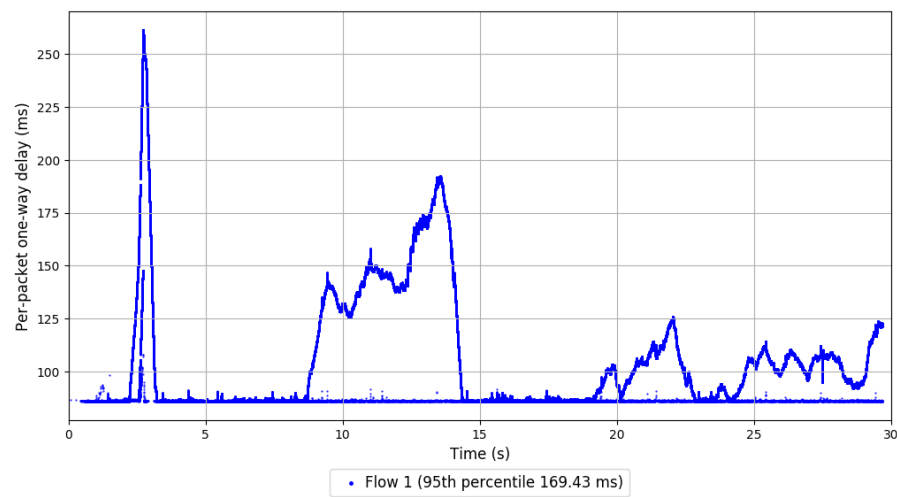
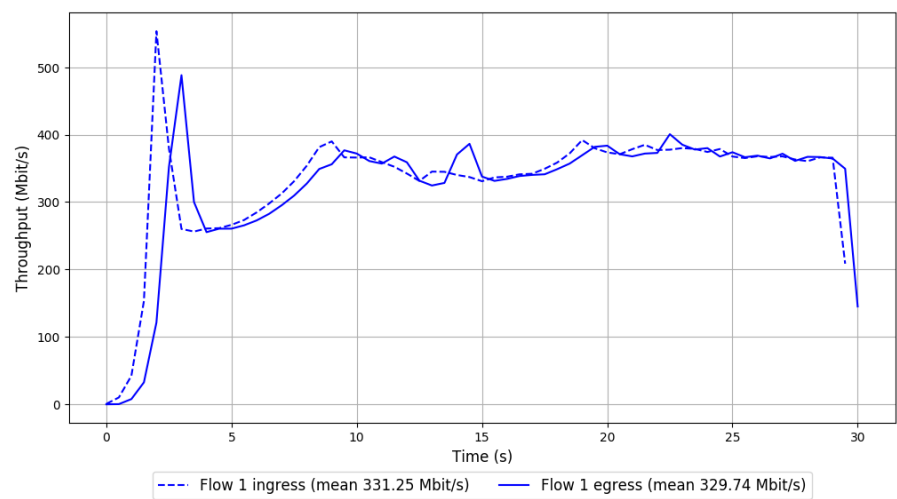
-- Flow 1:

Average throughput: 329.74 Mbit/s

95th percentile per-packet one-way delay: 169.434 ms

Loss rate: 1.03%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-05-24 11:38:25

End at: 2018-05-24 11:38:55

Local clock offset: 0.01 ms

Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-05-24 15:19:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 345.77 Mbit/s

95th percentile per-packet one-way delay: 161.174 ms

Loss rate: 0.85%

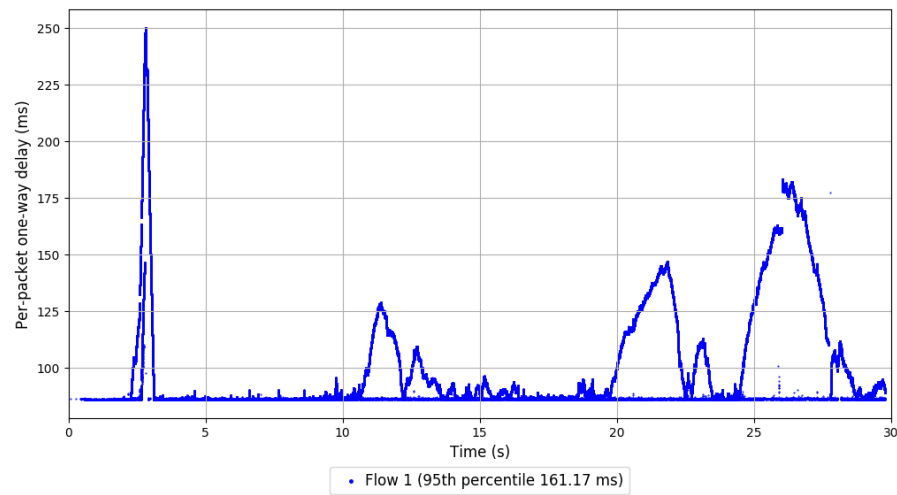
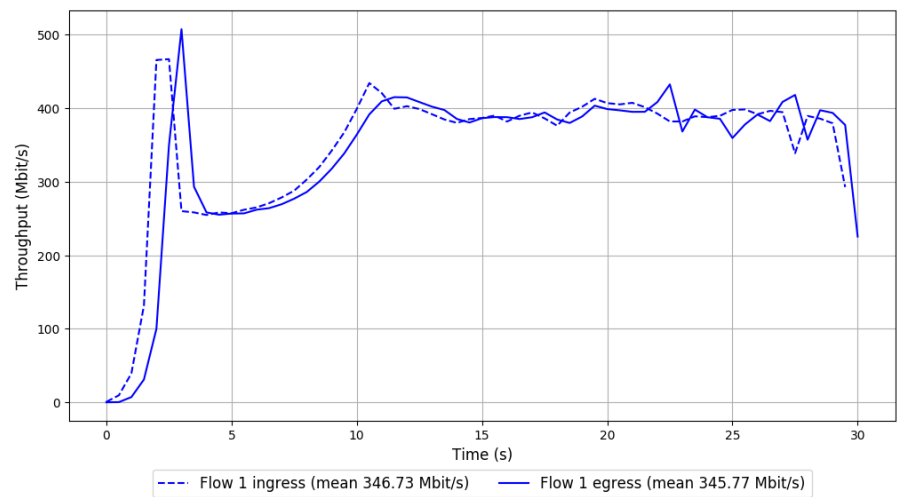
-- Flow 1:

Average throughput: 345.77 Mbit/s

95th percentile per-packet one-way delay: 161.174 ms

Loss rate: 0.85%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-05-24 11:58:57

End at: 2018-05-24 11:59:27

Local clock offset: 0.012 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-05-24 15:19:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 336.56 Mbit/s

95th percentile per-packet one-way delay: 147.816 ms

Loss rate: 1.08%

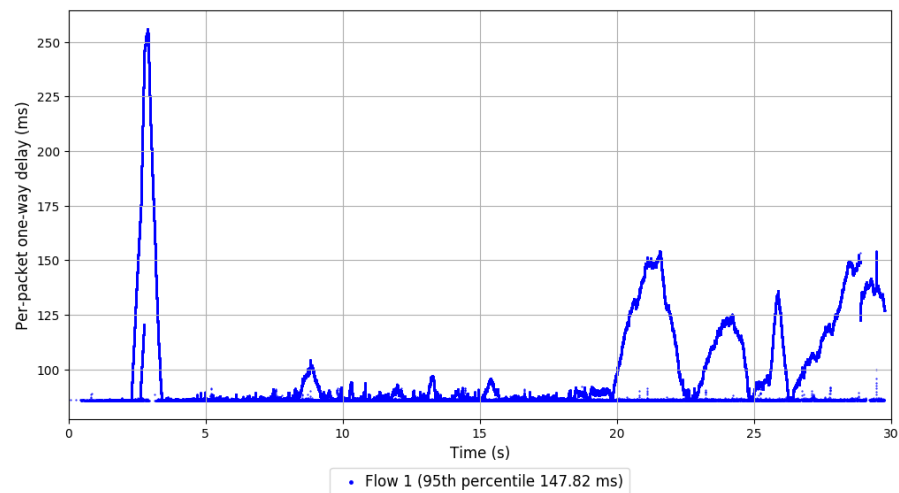
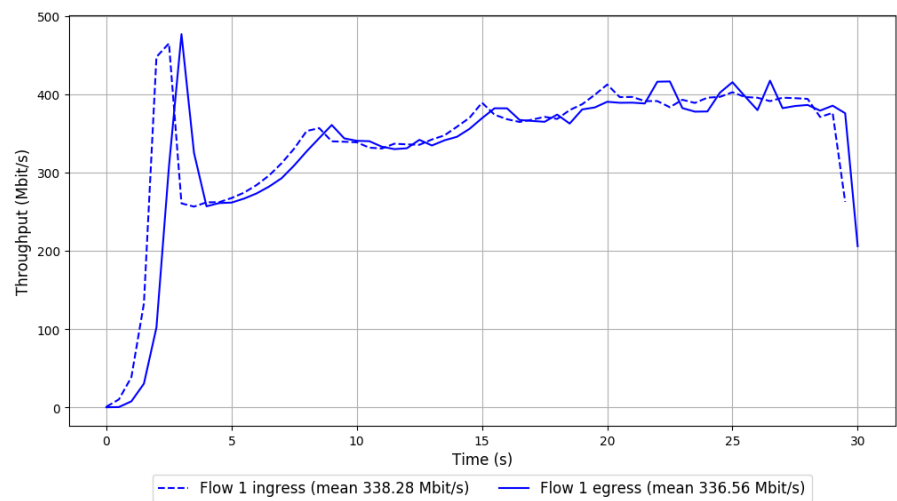
-- Flow 1:

Average throughput: 336.56 Mbit/s

95th percentile per-packet one-way delay: 147.816 ms

Loss rate: 1.08%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-05-24 12:19:36

End at: 2018-05-24 12:20:06

Local clock offset: 0.115 ms

Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-05-24 15:19:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 273.04 Mbit/s

95th percentile per-packet one-way delay: 129.202 ms

Loss rate: 1.15%

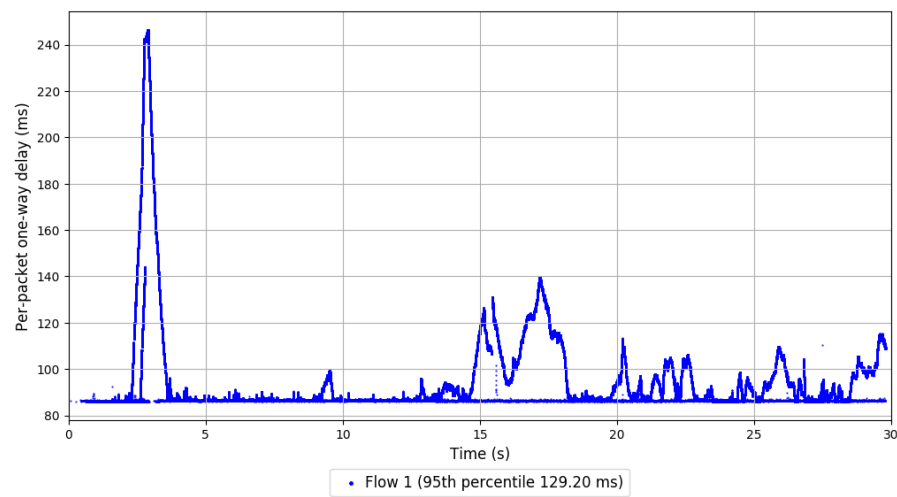
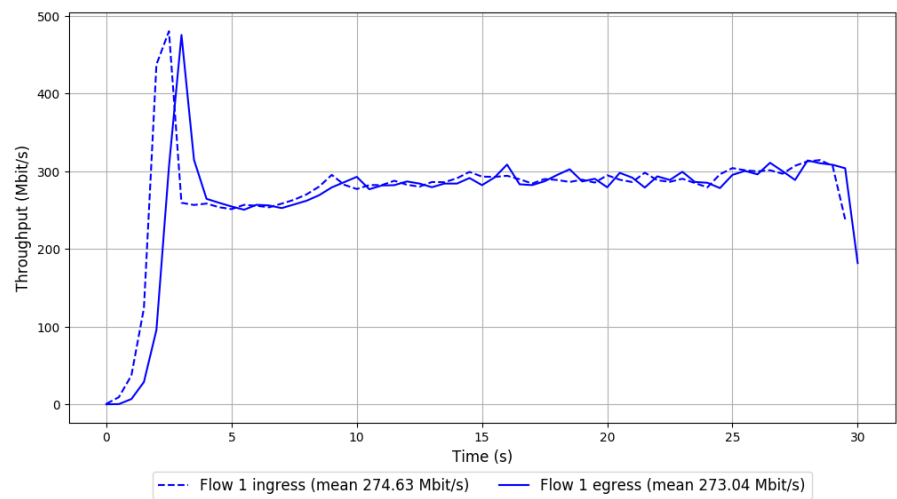
-- Flow 1:

Average throughput: 273.04 Mbit/s

95th percentile per-packet one-way delay: 129.202 ms

Loss rate: 1.15%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-05-24 12:39:53

End at: 2018-05-24 12:40:23

Local clock offset: 3.087 ms

Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-05-24 15:20:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 335.95 Mbit/s

95th percentile per-packet one-way delay: 102.929 ms

Loss rate: 0.95%

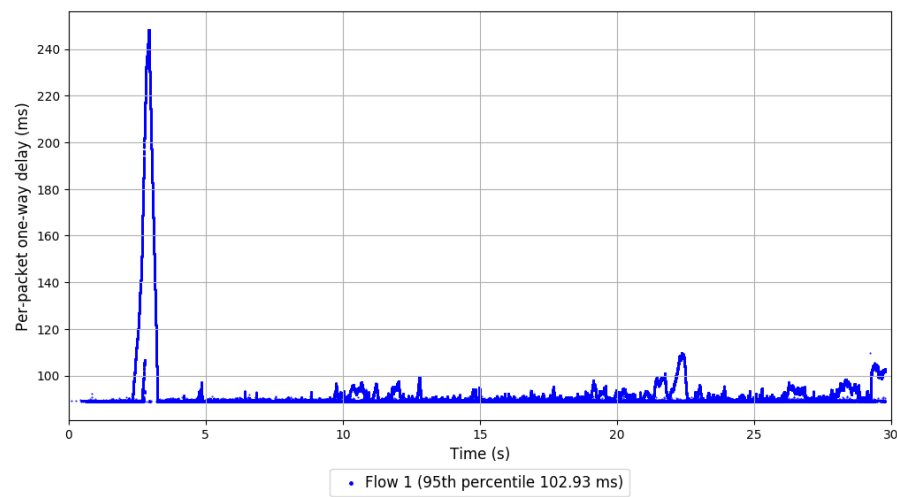
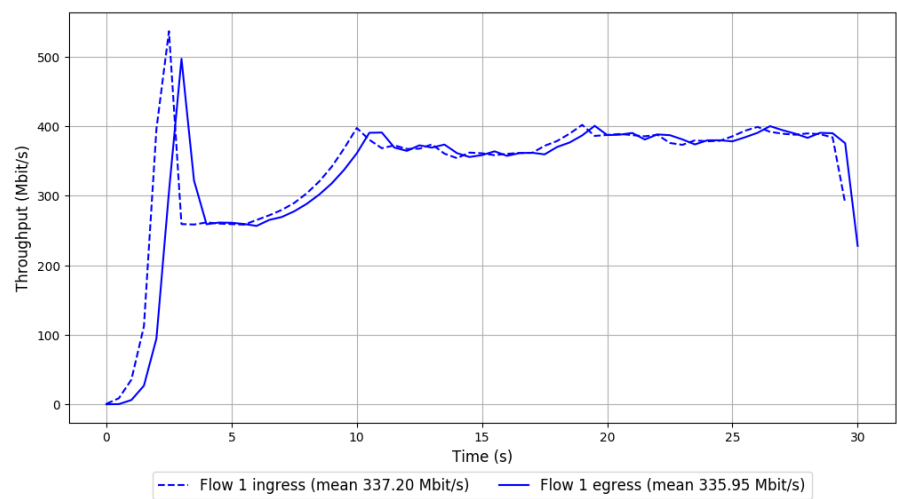
-- Flow 1:

Average throughput: 335.95 Mbit/s

95th percentile per-packet one-way delay: 102.929 ms

Loss rate: 0.95%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-05-24 13:00:26

End at: 2018-05-24 13:00:56

Local clock offset: 1.312 ms

Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-05-24 15:21:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 371.40 Mbit/s

95th percentile per-packet one-way delay: 241.842 ms

Loss rate: 2.15%

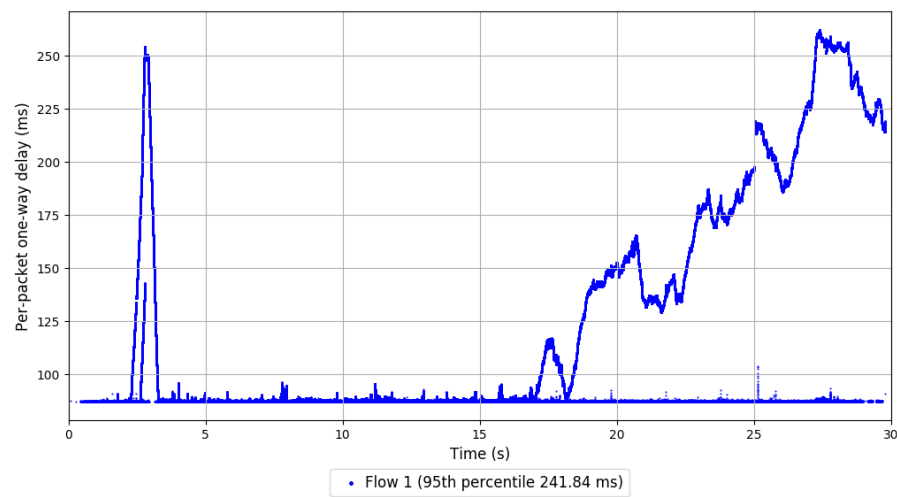
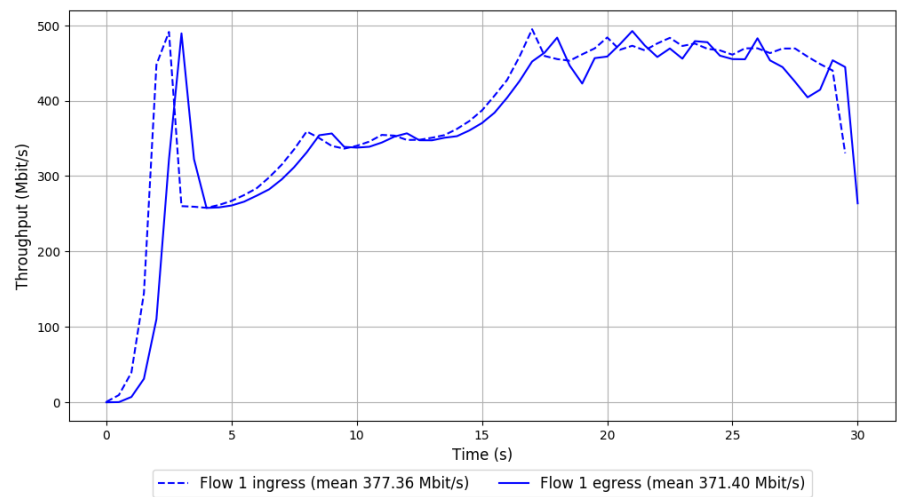
-- Flow 1:

Average throughput: 371.40 Mbit/s

95th percentile per-packet one-way delay: 241.842 ms

Loss rate: 2.15%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-05-24 13:21:13

End at: 2018-05-24 13:21:43

Local clock offset: 3.177 ms

Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-05-24 15:21:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 327.41 Mbit/s

95th percentile per-packet one-way delay: 127.469 ms

Loss rate: 1.01%

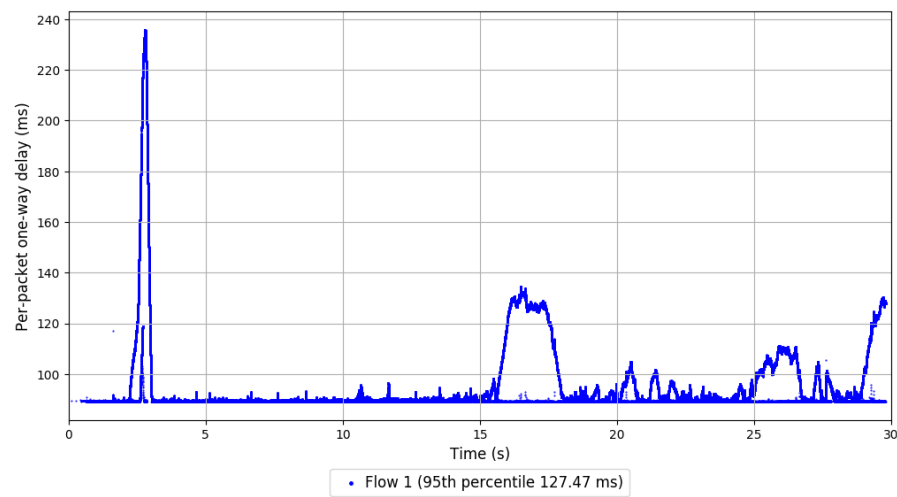
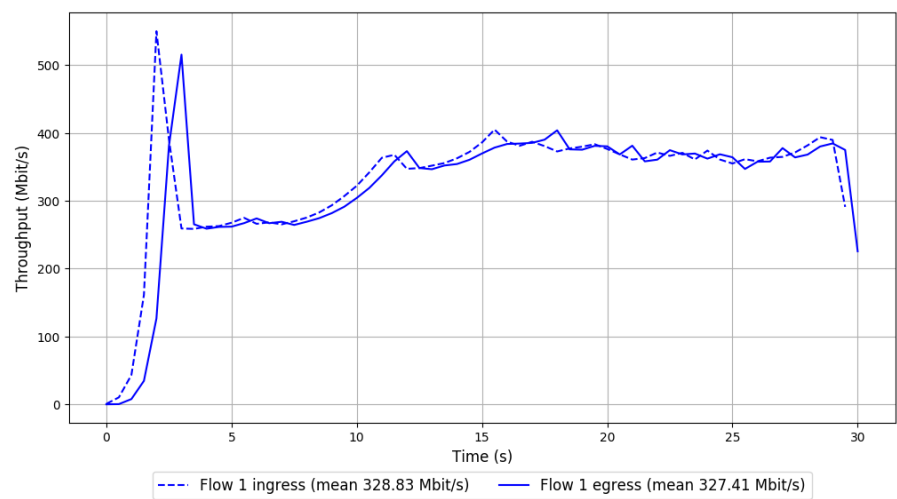
-- Flow 1:

Average throughput: 327.41 Mbit/s

95th percentile per-packet one-way delay: 127.469 ms

Loss rate: 1.01%

Run 7: Report of PCC-Allegro — Data Link

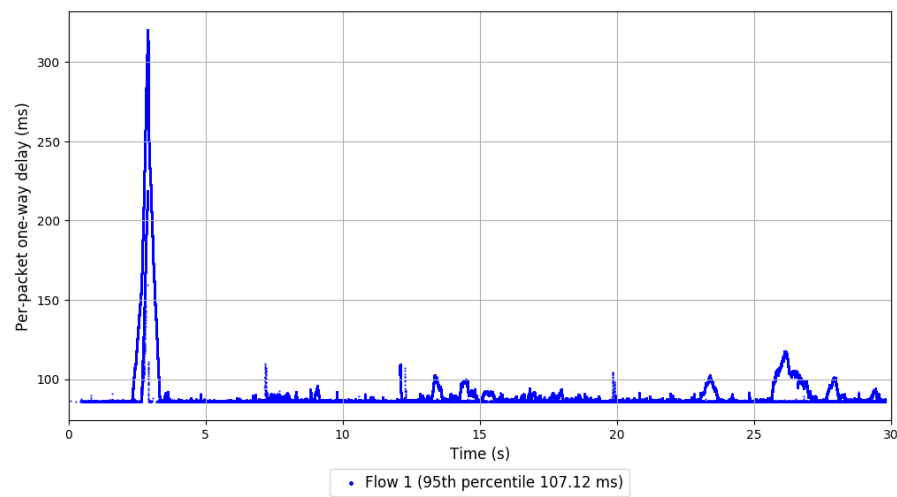
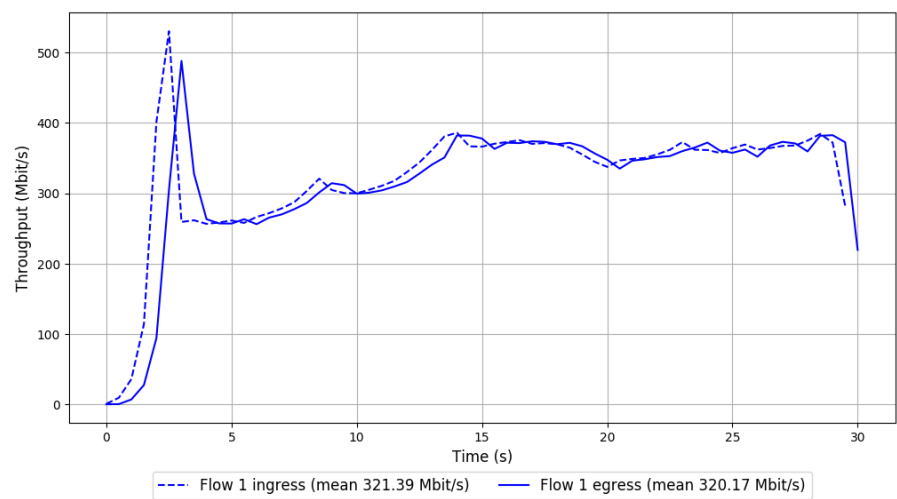


Run 8: Statistics of PCC-Allegro

Start at: 2018-05-24 13:41:39
End at: 2018-05-24 13:42:09
Local clock offset: -0.361 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-05-24 15:23:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 320.17 Mbit/s
95th percentile per-packet one-way delay: 107.116 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 320.17 Mbit/s
95th percentile per-packet one-way delay: 107.116 ms
Loss rate: 0.96%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-05-24 14:01:59

End at: 2018-05-24 14:02:29

Local clock offset: -0.38 ms

Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-05-24 15:23:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 300.50 Mbit/s

95th percentile per-packet one-way delay: 106.855 ms

Loss rate: 0.96%

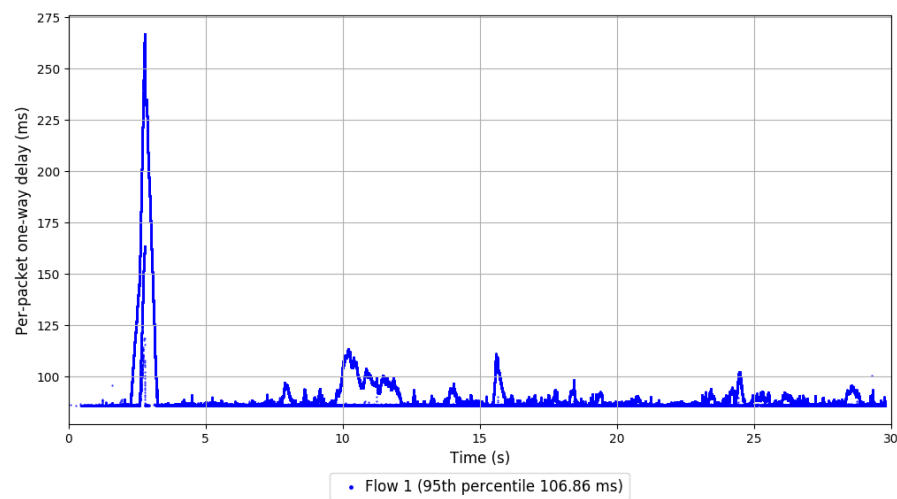
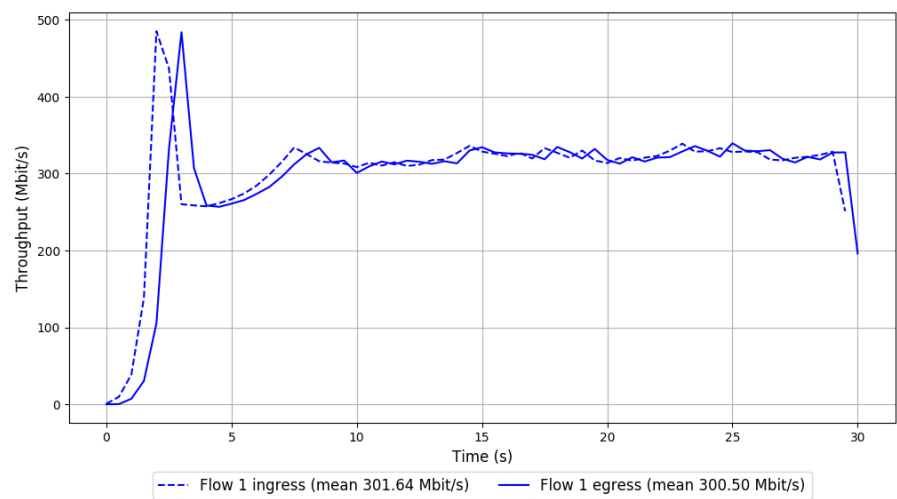
-- Flow 1:

Average throughput: 300.50 Mbit/s

95th percentile per-packet one-way delay: 106.855 ms

Loss rate: 0.96%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-05-24 14:22:33

End at: 2018-05-24 14:23:03

Local clock offset: 1.422 ms

Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-05-24 15:24:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 315.39 Mbit/s

95th percentile per-packet one-way delay: 232.942 ms

Loss rate: 1.53%

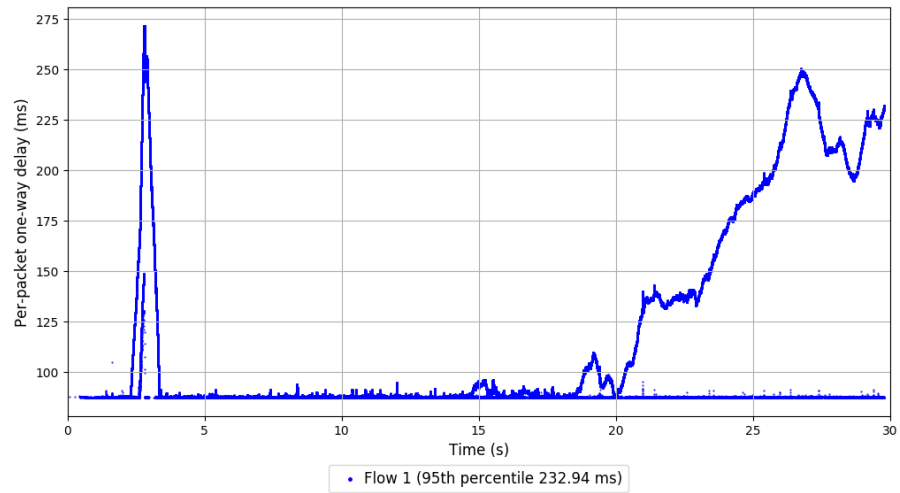
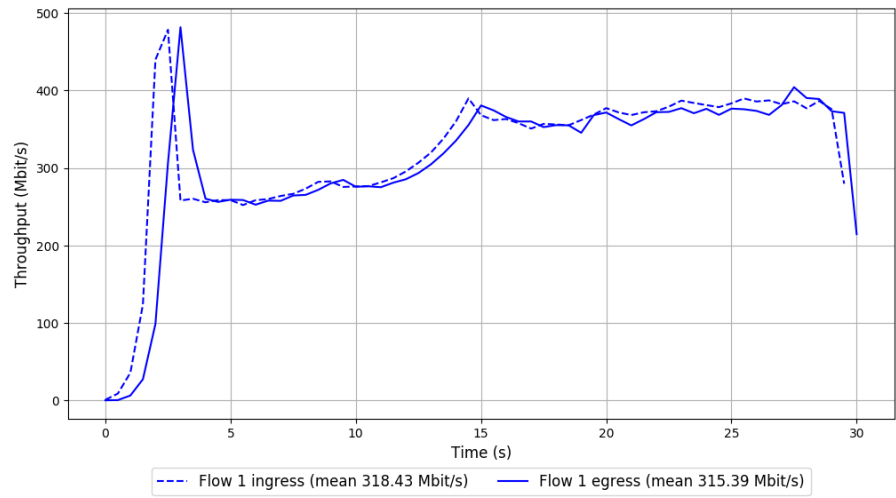
-- Flow 1:

Average throughput: 315.39 Mbit/s

95th percentile per-packet one-way delay: 232.942 ms

Loss rate: 1.53%

Run 10: Report of PCC-Allegro — Data Link

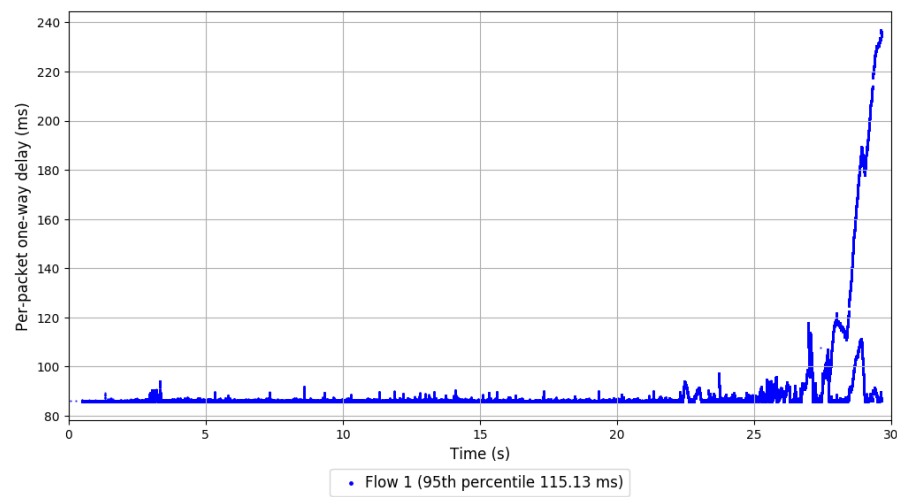
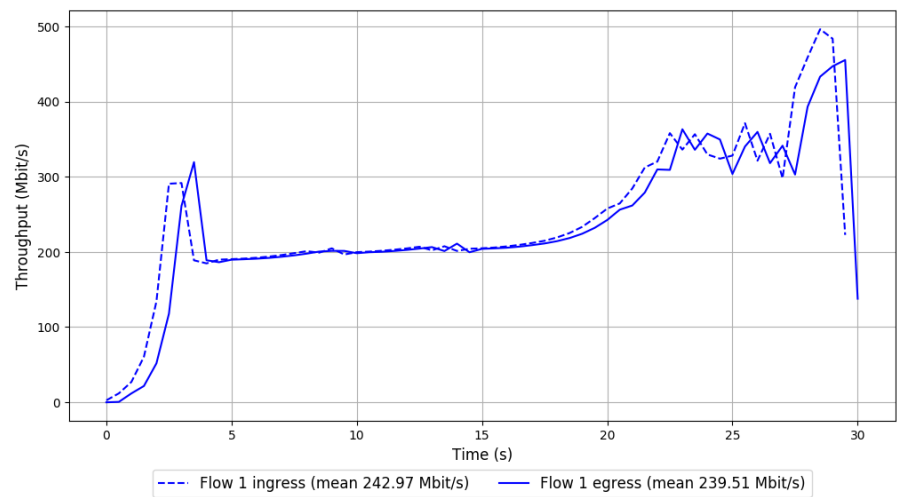


Run 1: Statistics of PCC-Expr

Start at: 2018-05-24 11:22:52
End at: 2018-05-24 11:23:22
Local clock offset: -0.209 ms
Remote clock offset: -0.278 ms

Below is generated by plot.py at 2018-05-24 15:27:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 239.51 Mbit/s
95th percentile per-packet one-way delay: 115.134 ms
Loss rate: 2.00%
-- Flow 1:
Average throughput: 239.51 Mbit/s
95th percentile per-packet one-way delay: 115.134 ms
Loss rate: 2.00%

Run 1: Report of PCC-Expr — Data Link

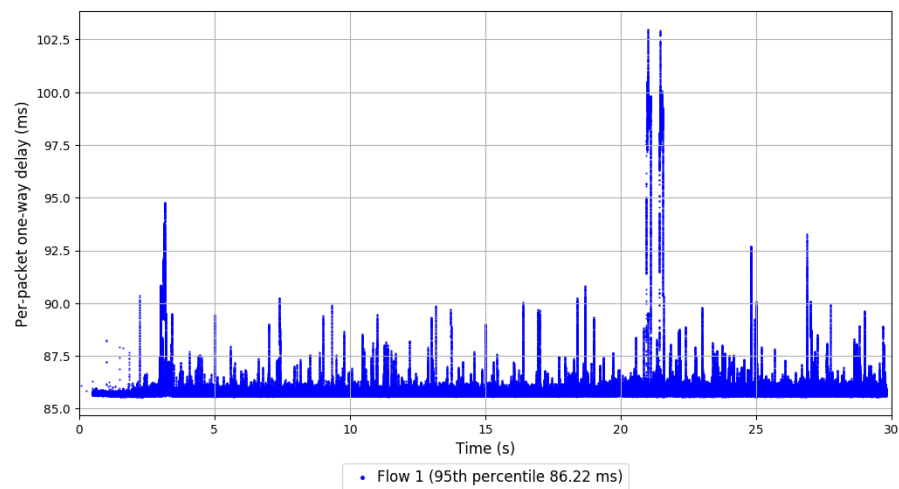
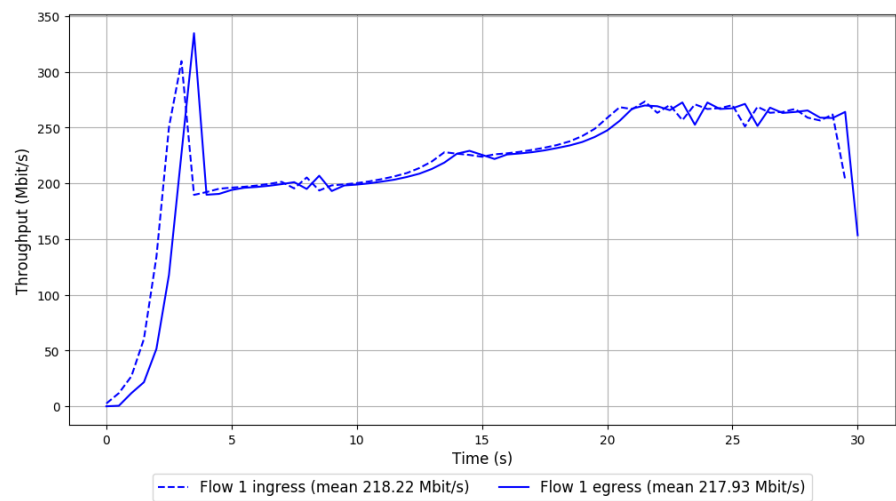


Run 2: Statistics of PCC-Expr

Start at: 2018-05-24 11:43:19
End at: 2018-05-24 11:43:49
Local clock offset: -0.18 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-05-24 15:27:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.93 Mbit/s
95th percentile per-packet one-way delay: 86.224 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 217.93 Mbit/s
95th percentile per-packet one-way delay: 86.224 ms
Loss rate: 0.71%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-05-24 12:03:54

End at: 2018-05-24 12:04:24

Local clock offset: 0.181 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-05-24 15:29:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 258.36 Mbit/s

95th percentile per-packet one-way delay: 106.512 ms

Loss rate: 0.55%

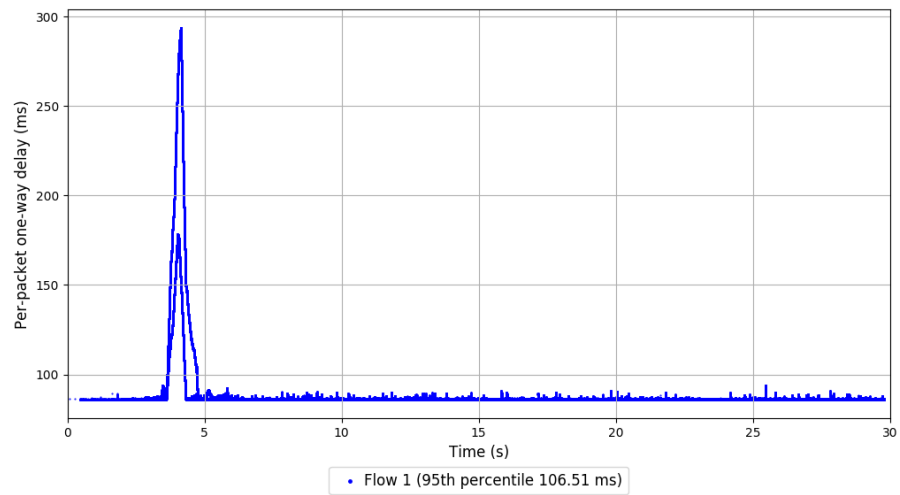
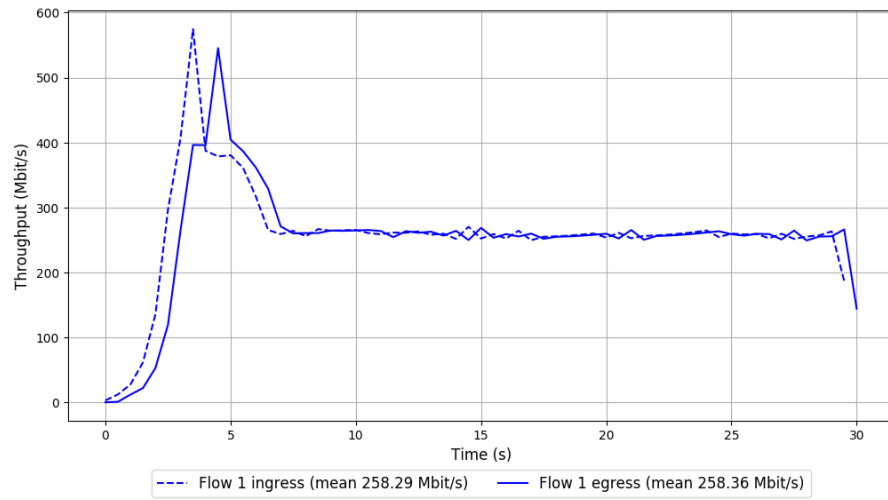
-- Flow 1:

Average throughput: 258.36 Mbit/s

95th percentile per-packet one-way delay: 106.512 ms

Loss rate: 0.55%

Run 3: Report of PCC-Expr — Data Link

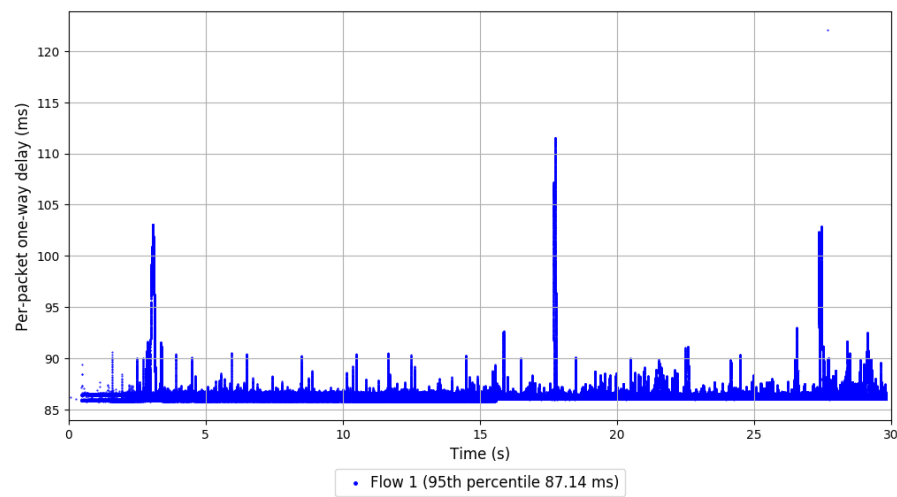
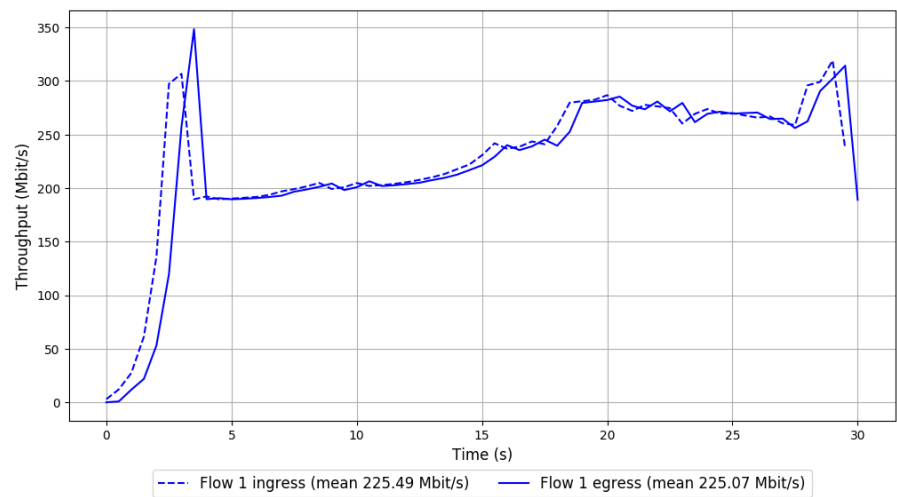


Run 4: Statistics of PCC-Expr

Start at: 2018-05-24 12:24:33
End at: 2018-05-24 12:25:03
Local clock offset: -0.007 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-05-24 15:29:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 225.07 Mbit/s
95th percentile per-packet one-way delay: 87.142 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 225.07 Mbit/s
95th percentile per-packet one-way delay: 87.142 ms
Loss rate: 0.77%

Run 4: Report of PCC-Expr — Data Link

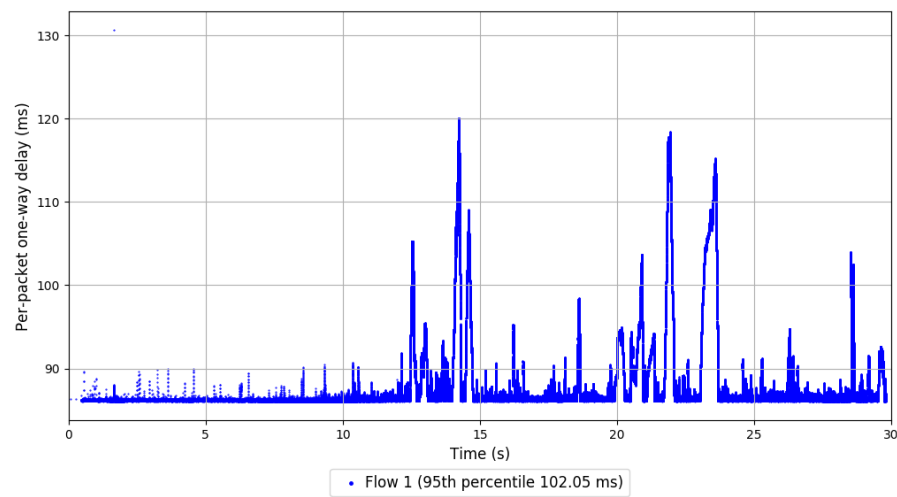
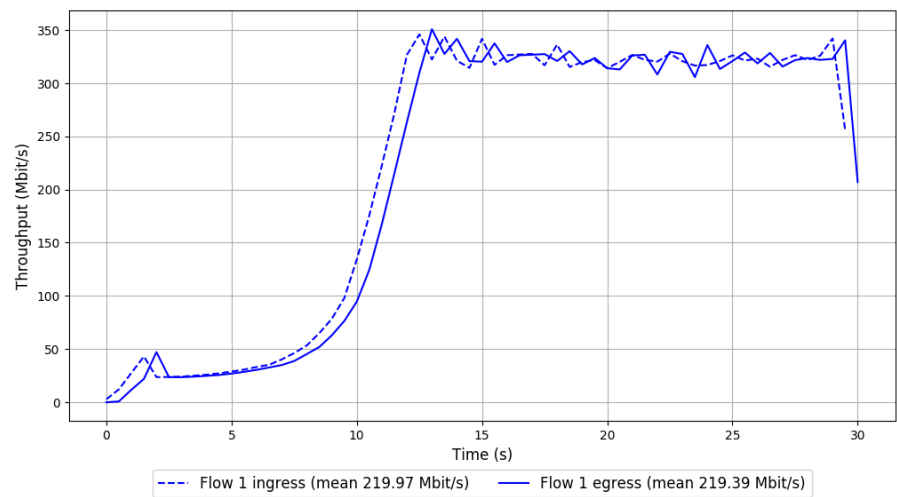


Run 5: Statistics of PCC-Expr

Start at: 2018-05-24 12:44:51
End at: 2018-05-24 12:45:21
Local clock offset: 0.233 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-05-24 15:29:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.39 Mbit/s
95th percentile per-packet one-way delay: 102.051 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 219.39 Mbit/s
95th percentile per-packet one-way delay: 102.051 ms
Loss rate: 0.84%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-05-24 13:05:25

End at: 2018-05-24 13:05:55

Local clock offset: 1.724 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-05-24 15:32:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 229.62 Mbit/s

95th percentile per-packet one-way delay: 94.042 ms

Loss rate: 0.96%

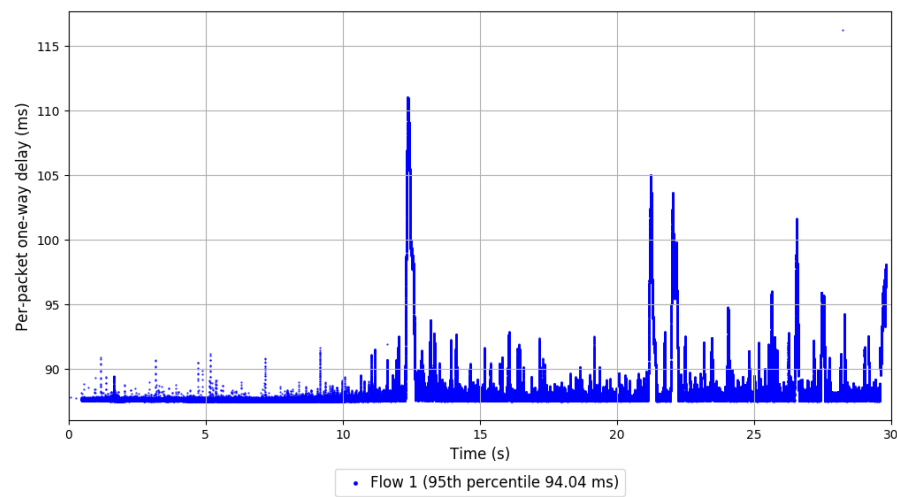
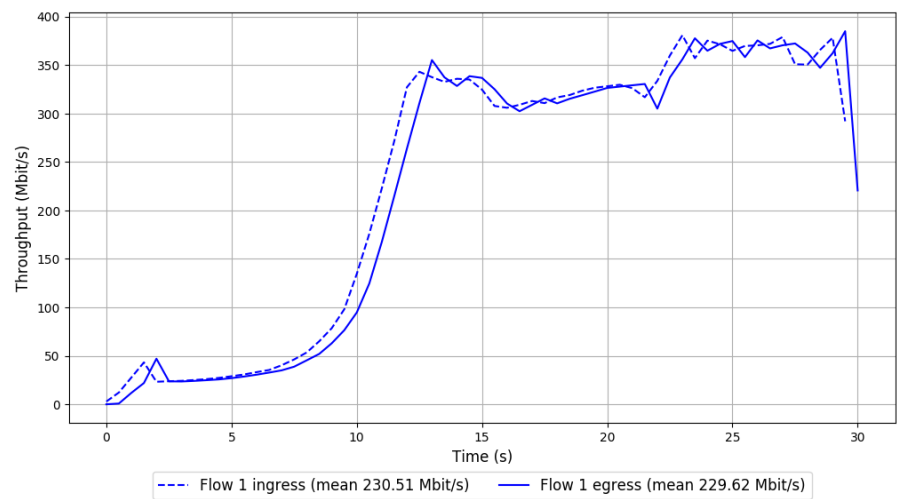
-- Flow 1:

Average throughput: 229.62 Mbit/s

95th percentile per-packet one-way delay: 94.042 ms

Loss rate: 0.96%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-05-24 13:26:10

End at: 2018-05-24 13:26:40

Local clock offset: 1.676 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-05-24 15:32:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.28 Mbit/s

95th percentile per-packet one-way delay: 90.253 ms

Loss rate: 1.04%

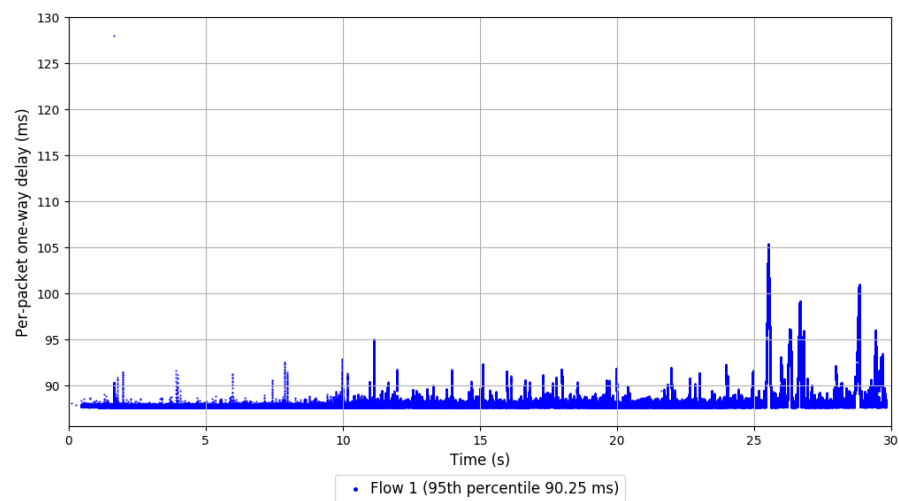
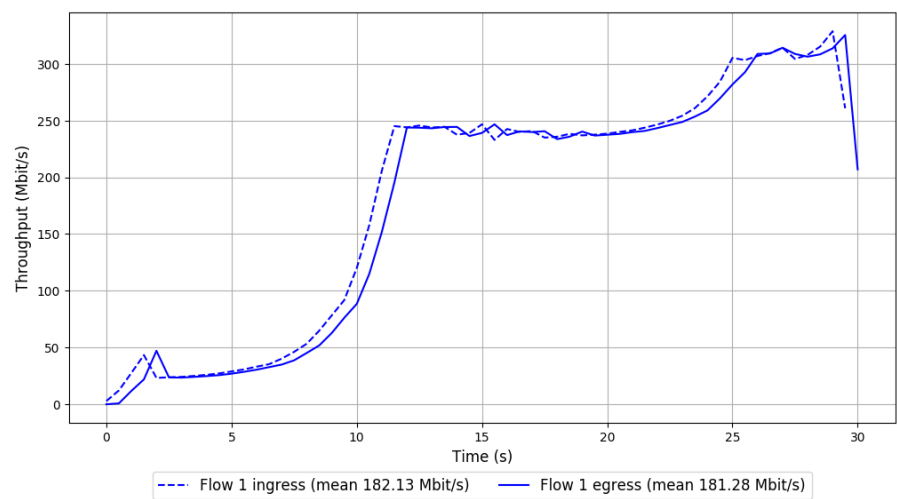
-- Flow 1:

Average throughput: 181.28 Mbit/s

95th percentile per-packet one-way delay: 90.253 ms

Loss rate: 1.04%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-05-24 13:46:36

End at: 2018-05-24 13:47:06

Local clock offset: 1.381 ms

Remote clock offset: 0.063 ms

Below is generated by plot.py at 2018-05-24 15:33:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 233.95 Mbit/s

95th percentile per-packet one-way delay: 110.481 ms

Loss rate: 0.72%

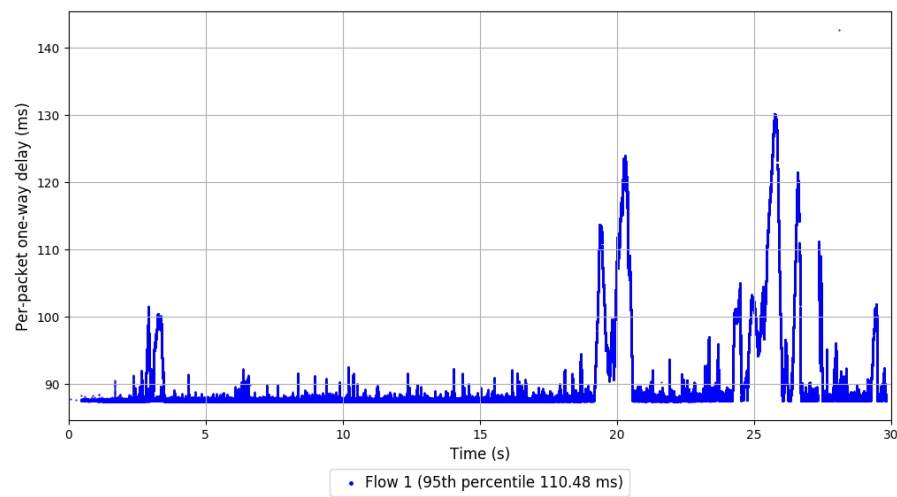
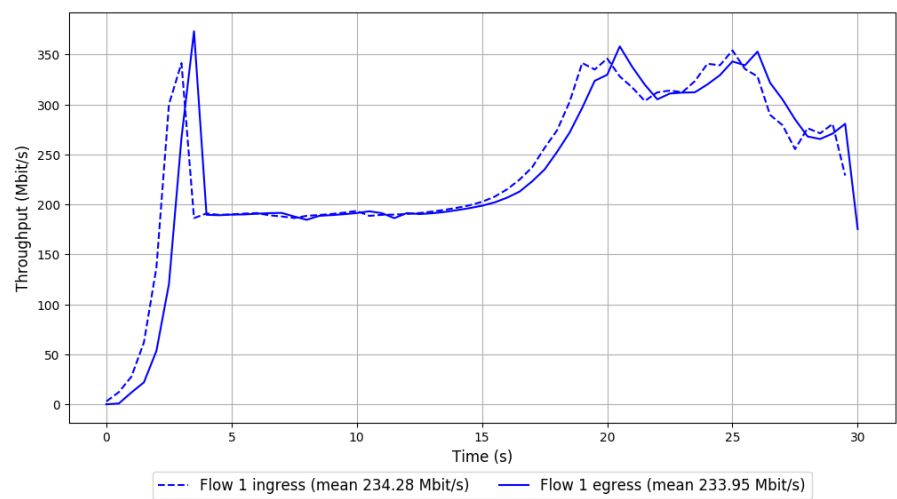
-- Flow 1:

Average throughput: 233.95 Mbit/s

95th percentile per-packet one-way delay: 110.481 ms

Loss rate: 0.72%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-05-24 14:06:54

End at: 2018-05-24 14:07:24

Local clock offset: 1.462 ms

Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-05-24 15:33:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.14 Mbit/s

95th percentile per-packet one-way delay: 89.300 ms

Loss rate: 0.75%

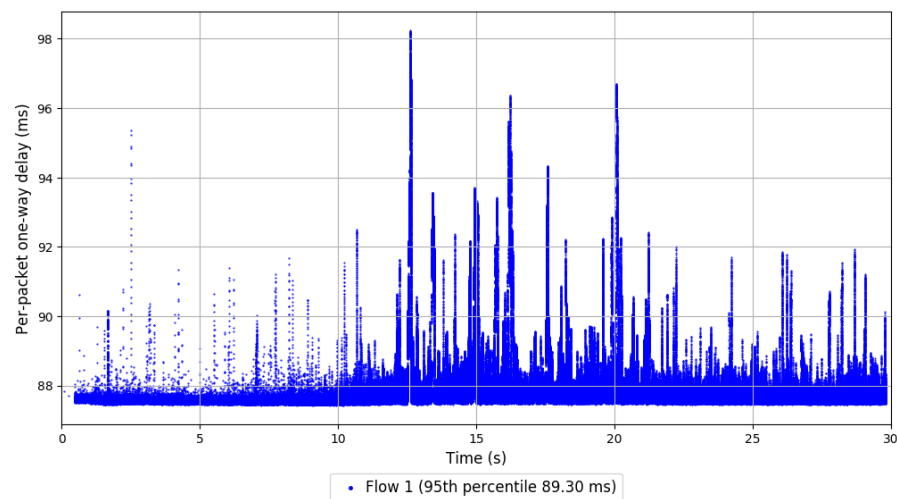
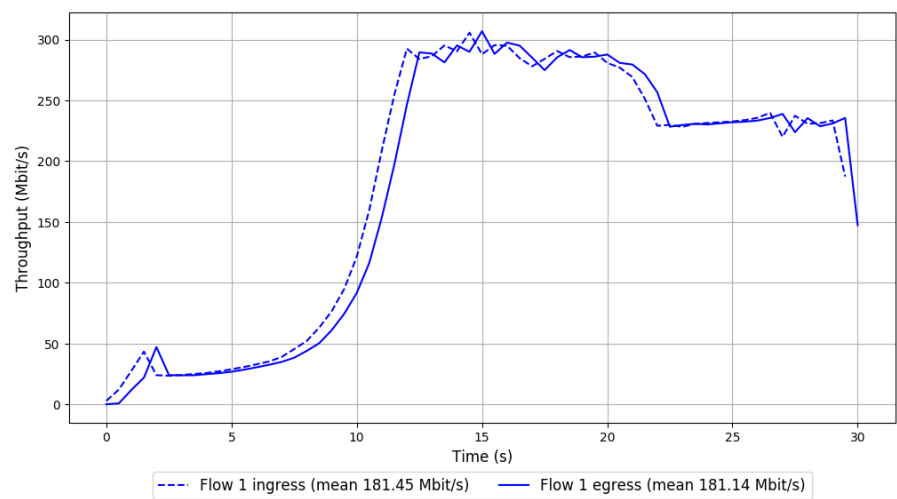
-- Flow 1:

Average throughput: 181.14 Mbit/s

95th percentile per-packet one-way delay: 89.300 ms

Loss rate: 0.75%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-05-24 14:27:36

End at: 2018-05-24 14:28:06

Local clock offset: 1.485 ms

Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-05-24 15:35:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.58 Mbit/s

95th percentile per-packet one-way delay: 106.281 ms

Loss rate: 0.93%

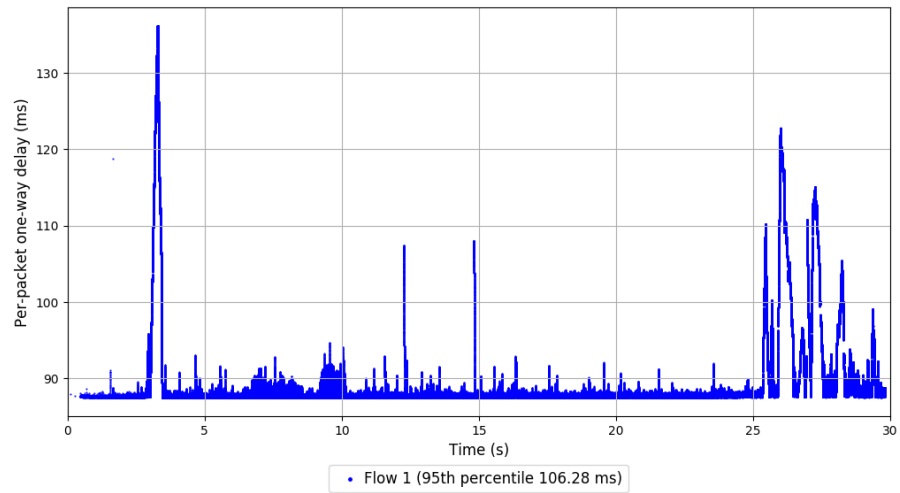
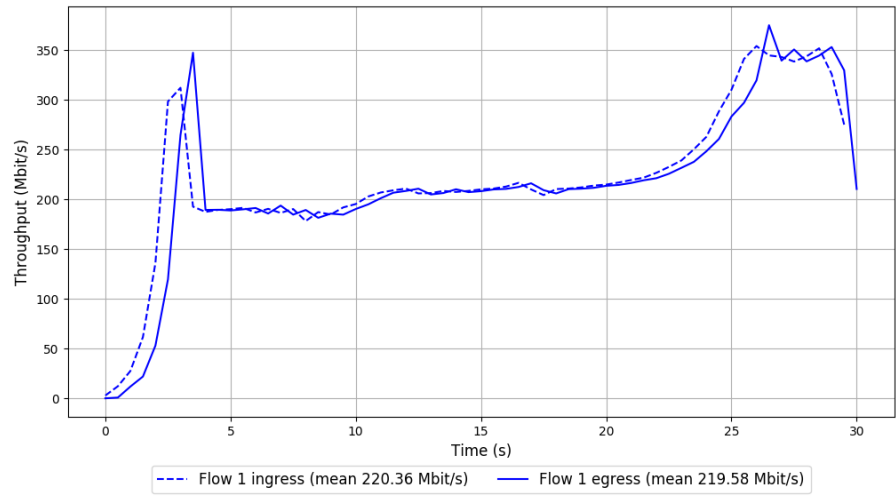
-- Flow 1:

Average throughput: 219.58 Mbit/s

95th percentile per-packet one-way delay: 106.281 ms

Loss rate: 0.93%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

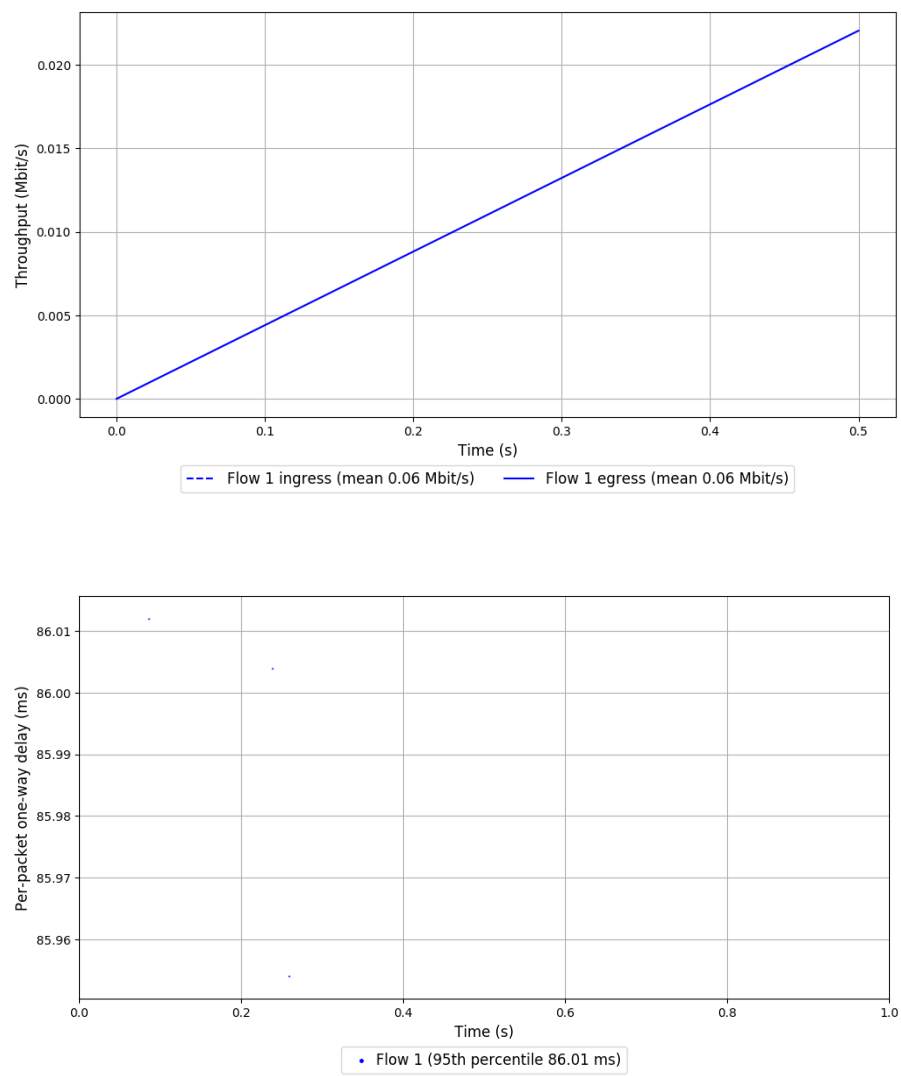
Start at: 2018-05-24 11:13:30

End at: 2018-05-24 11:14:00

Local clock offset: -0.101 ms

Remote clock offset: -0.173 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-05-24 11:33:43

End at: 2018-05-24 11:34:13

Local clock offset: 0.141 ms

Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-05-24 15:35:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.14 Mbit/s

95th percentile per-packet one-way delay: 86.648 ms

Loss rate: 0.82%

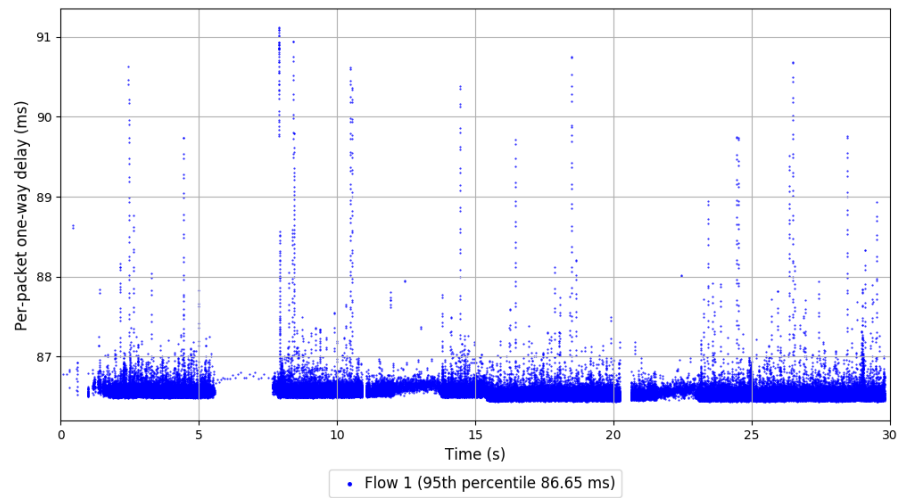
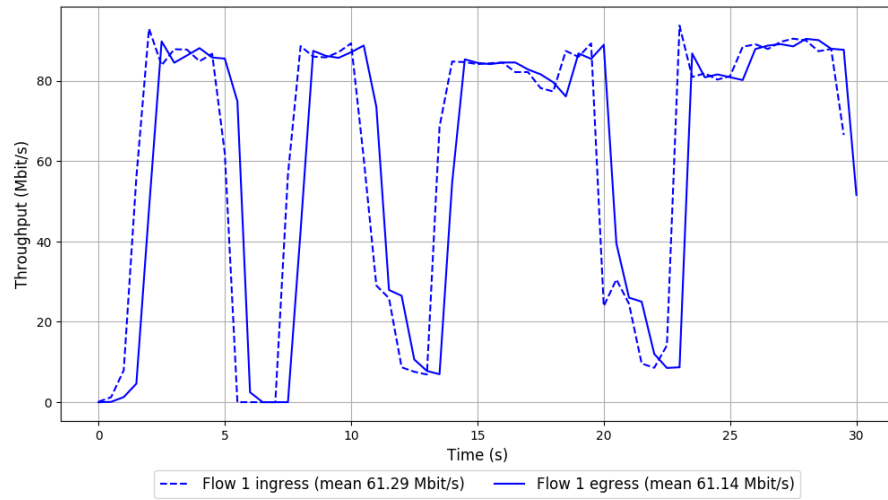
-- Flow 1:

Average throughput: 61.14 Mbit/s

95th percentile per-packet one-way delay: 86.648 ms

Loss rate: 0.82%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-05-24 11:54:17

End at: 2018-05-24 11:54:47

Local clock offset: 0.156 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-05-24 15:35:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.48 Mbit/s

95th percentile per-packet one-way delay: 86.226 ms

Loss rate: 0.87%

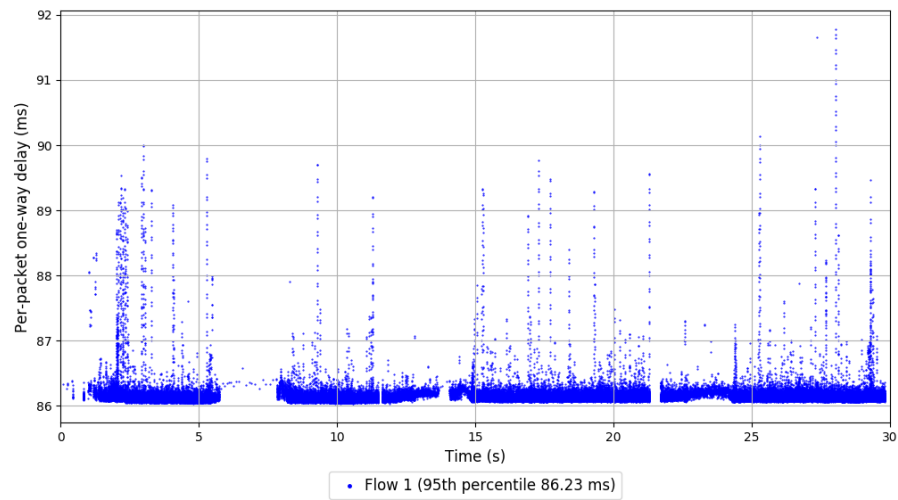
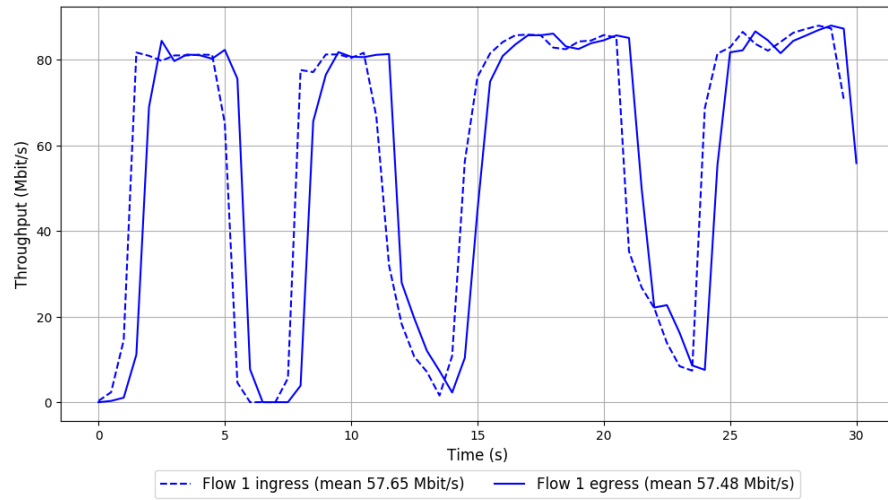
-- Flow 1:

Average throughput: 57.48 Mbit/s

95th percentile per-packet one-way delay: 86.226 ms

Loss rate: 0.87%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-05-24 12:14:55

End at: 2018-05-24 12:15:25

Local clock offset: 0.092 ms

Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-05-24 15:35:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.28 Mbit/s

95th percentile per-packet one-way delay: 86.520 ms

Loss rate: 0.11%

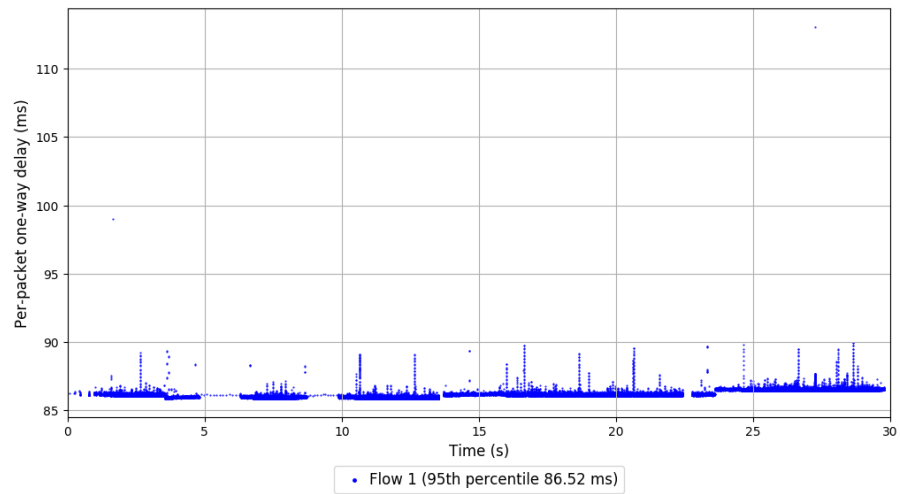
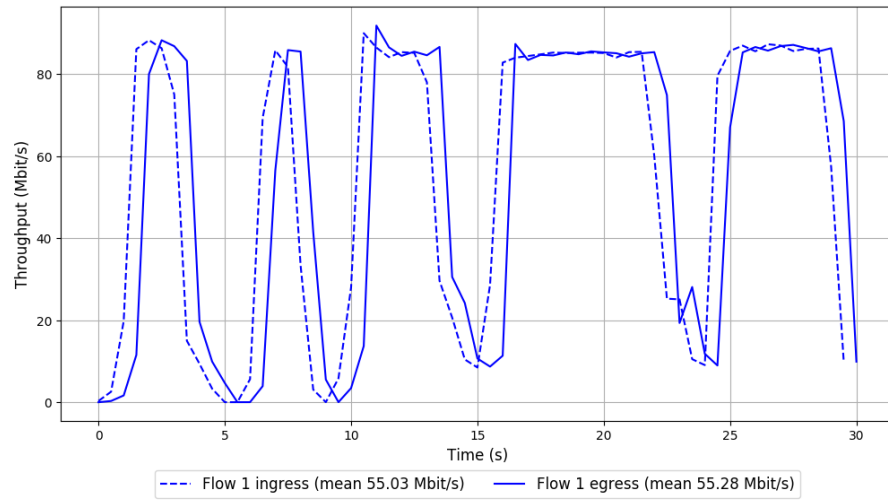
-- Flow 1:

Average throughput: 55.28 Mbit/s

95th percentile per-packet one-way delay: 86.520 ms

Loss rate: 0.11%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-05-24 12:35:15

End at: 2018-05-24 12:35:45

Local clock offset: 3.412 ms

Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-05-24 15:35:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.33 Mbit/s

95th percentile per-packet one-way delay: 89.459 ms

Loss rate: 0.81%

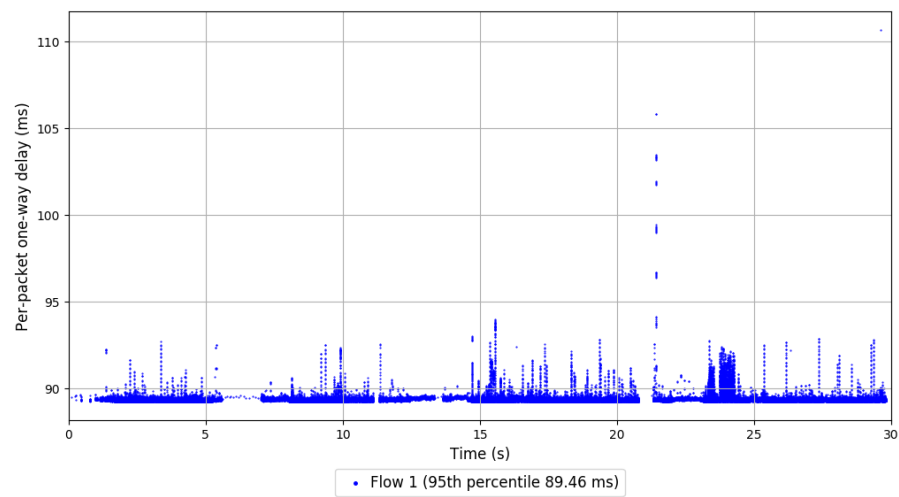
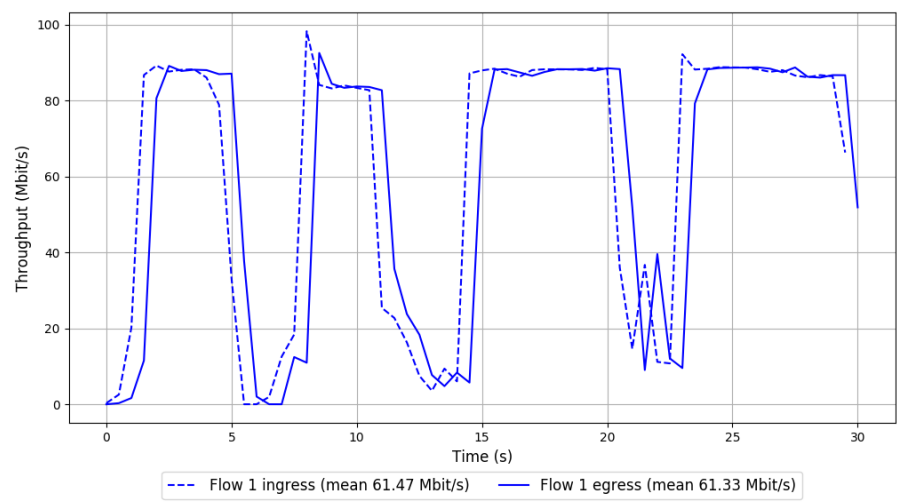
-- Flow 1:

Average throughput: 61.33 Mbit/s

95th percentile per-packet one-way delay: 89.459 ms

Loss rate: 0.81%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-05-24 12:55:43

End at: 2018-05-24 12:56:13

Local clock offset: 3.138 ms

Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-05-24 15:35:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.61 Mbit/s

95th percentile per-packet one-way delay: 89.491 ms

Loss rate: 0.75%

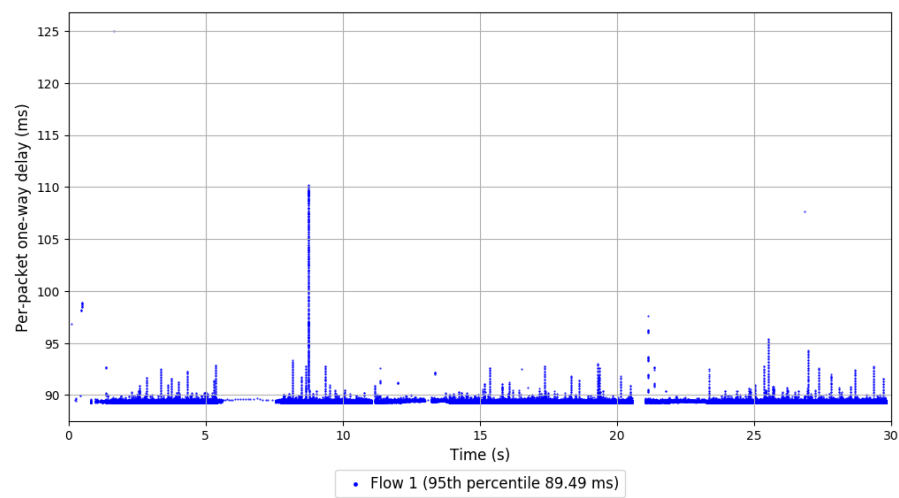
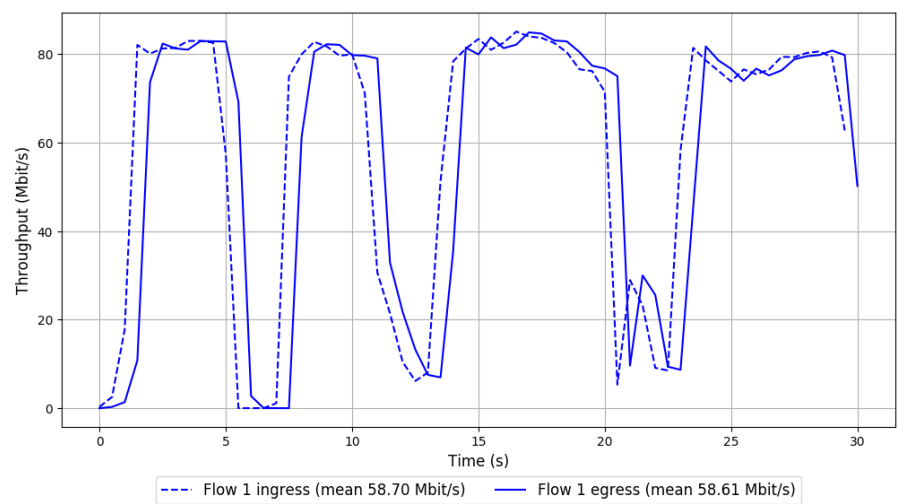
-- Flow 1:

Average throughput: 58.61 Mbit/s

95th percentile per-packet one-way delay: 89.491 ms

Loss rate: 0.75%

Run 6: Report of QUIC Cubic — Data Link

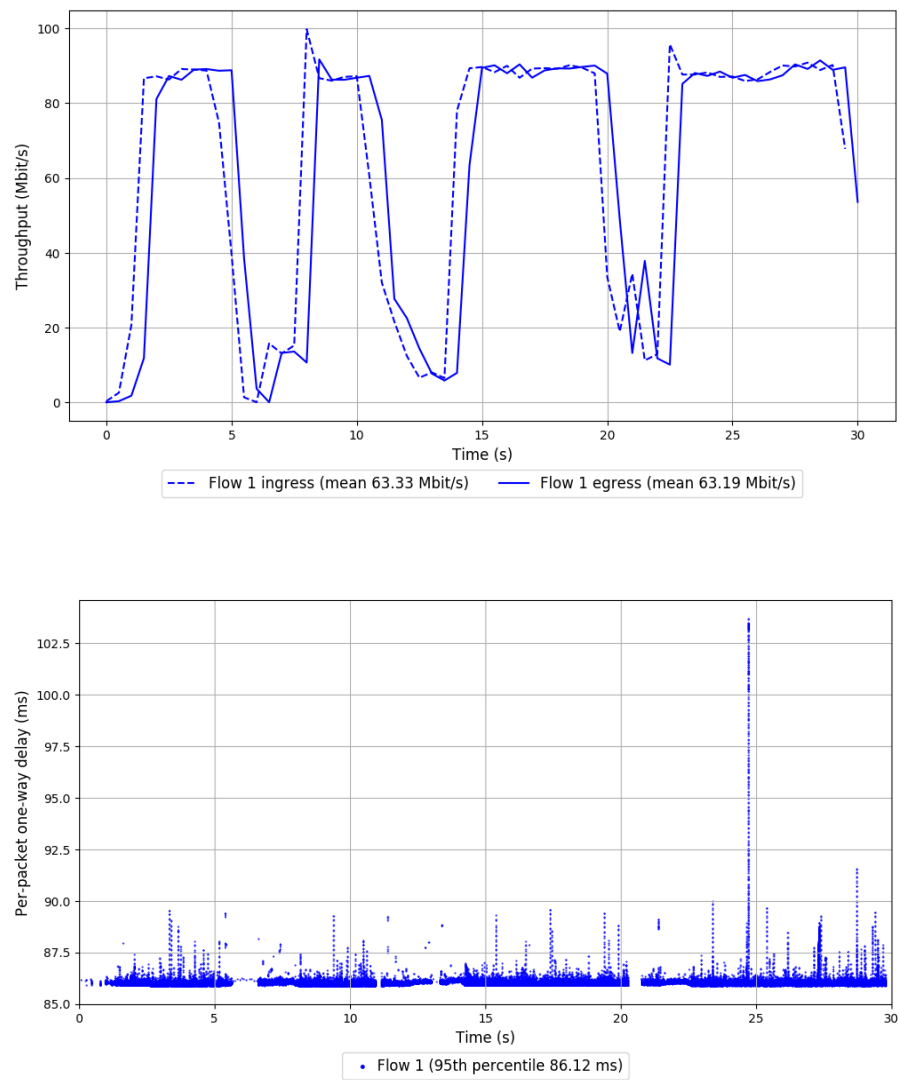


Run 7: Statistics of QUIC Cubic

Start at: 2018-05-24 13:16:27
End at: 2018-05-24 13:16:57
Local clock offset: -0.017 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-05-24 15:35:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.19 Mbit/s
95th percentile per-packet one-way delay: 86.124 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 63.19 Mbit/s
95th percentile per-packet one-way delay: 86.124 ms
Loss rate: 0.80%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-05-24 13:36:56

End at: 2018-05-24 13:37:26

Local clock offset: -0.334 ms

Remote clock offset: 0.074 ms

Below is generated by plot.py at 2018-05-24 15:35:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.39 Mbit/s

95th percentile per-packet one-way delay: 86.114 ms

Loss rate: 0.71%

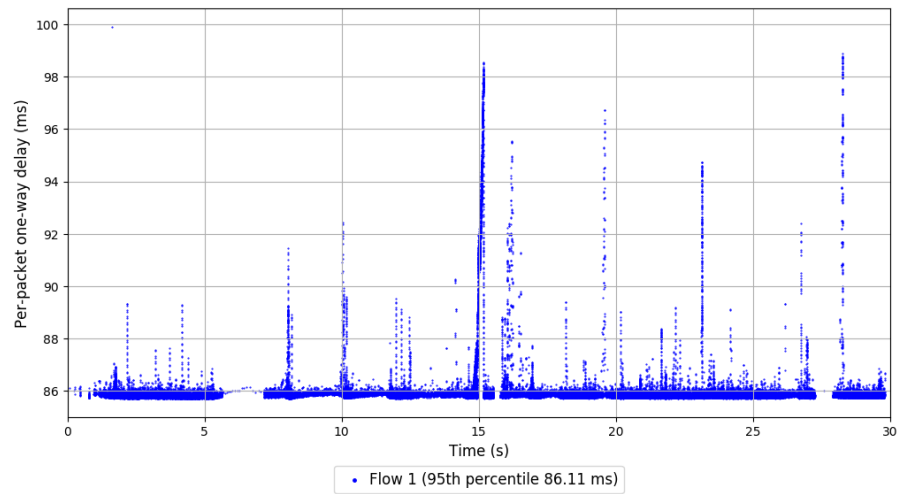
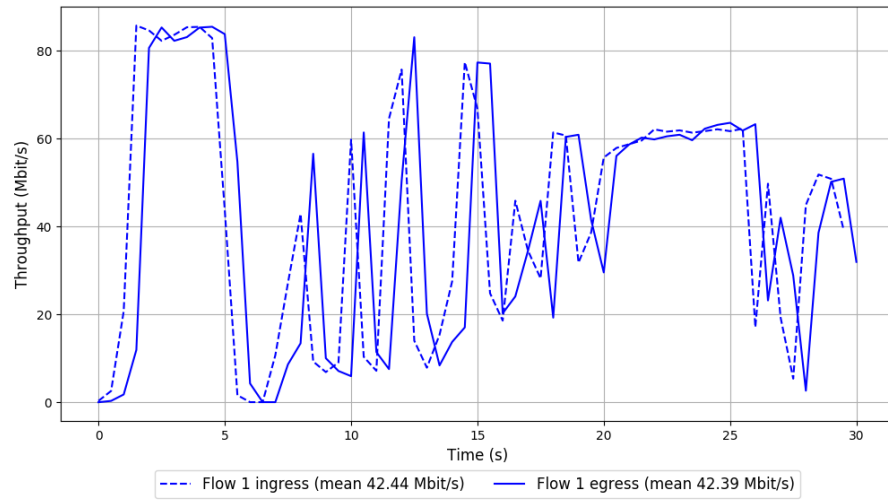
-- Flow 1:

Average throughput: 42.39 Mbit/s

95th percentile per-packet one-way delay: 86.114 ms

Loss rate: 0.71%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-05-24 13:57:18

End at: 2018-05-24 13:57:48

Local clock offset: -0.301 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-05-24 15:35:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.33 Mbit/s

95th percentile per-packet one-way delay: 85.889 ms

Loss rate: 0.75%

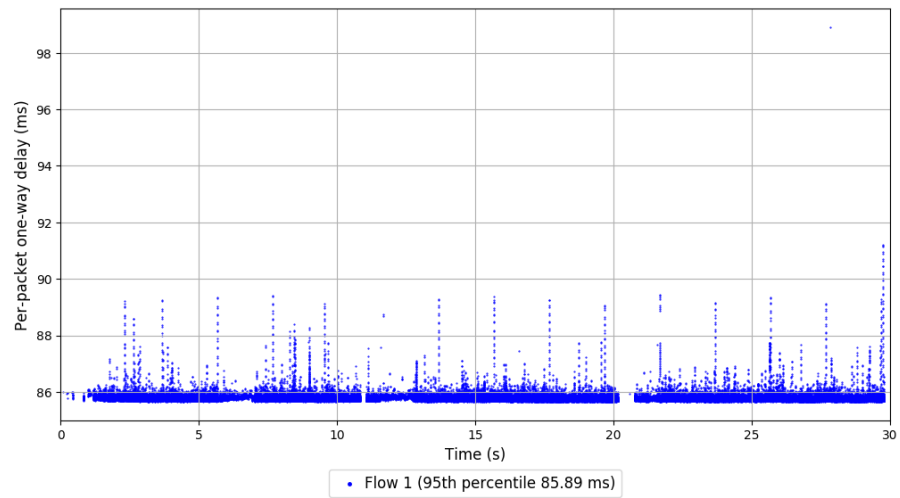
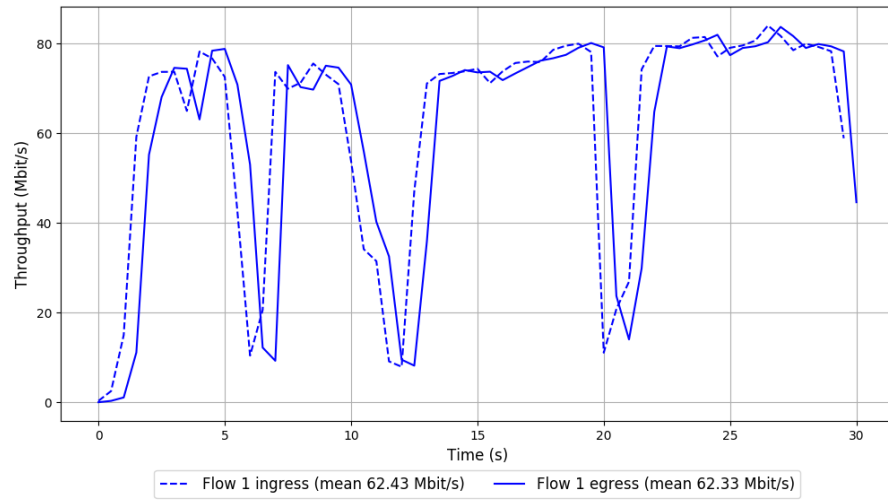
-- Flow 1:

Average throughput: 62.33 Mbit/s

95th percentile per-packet one-way delay: 85.889 ms

Loss rate: 0.75%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-05-24 14:17:46

End at: 2018-05-24 14:18:16

Local clock offset: 0.057 ms

Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-05-24 15:35:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.52 Mbit/s

95th percentile per-packet one-way delay: 86.263 ms

Loss rate: 0.97%

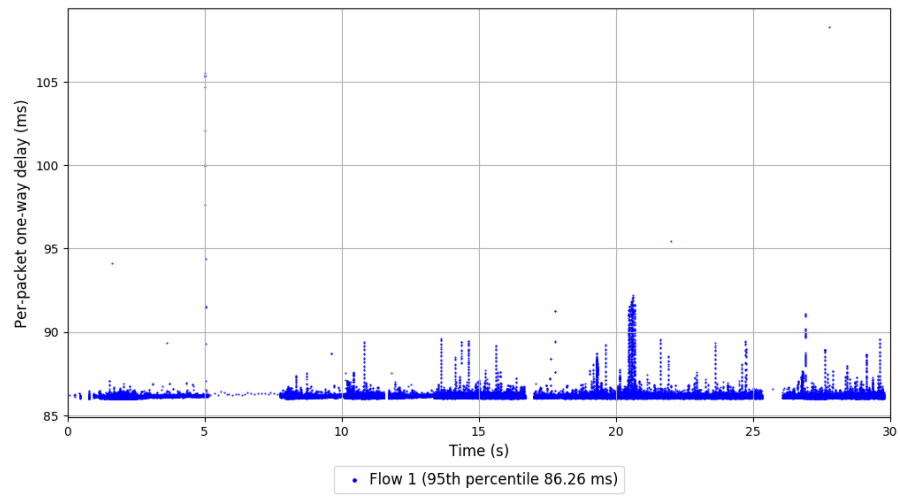
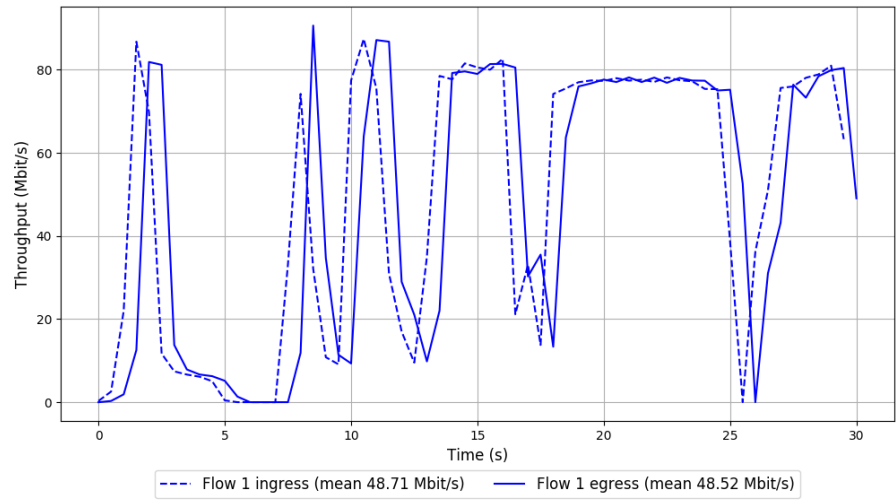
-- Flow 1:

Average throughput: 48.52 Mbit/s

95th percentile per-packet one-way delay: 86.263 ms

Loss rate: 0.97%

Run 10: Report of QUIC Cubic — Data Link

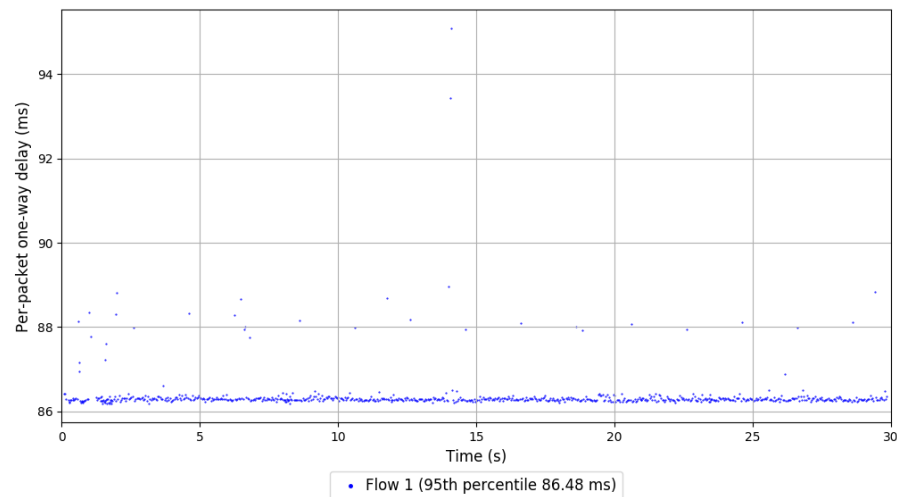
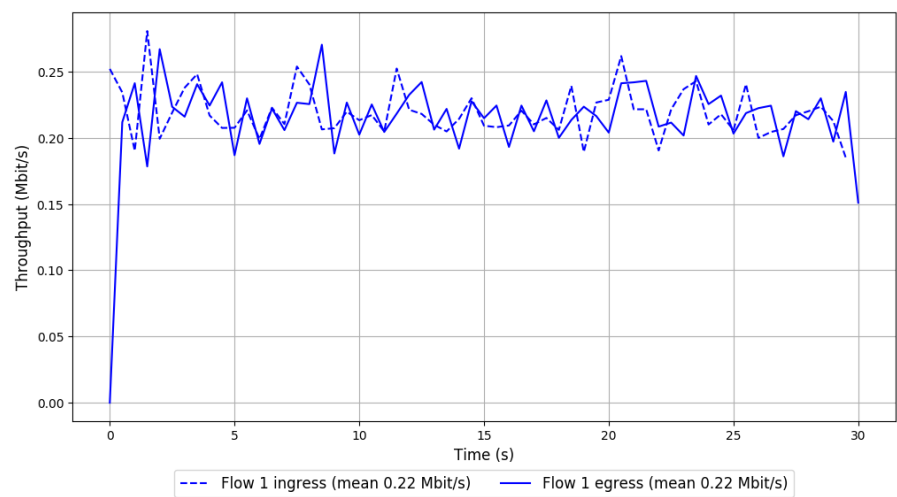


```
Run 1: Statistics of SCReAM

Start at: 2018-05-24 11:20:39
End at: 2018-05-24 11:21:09
Local clock offset: 0.134 ms
Remote clock offset: -0.2 ms

# Below is generated by plot.py at 2018-05-24 15:35:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.478 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.478 ms
Loss rate: 0.51%
```

Run 1: Report of SReAM — Data Link

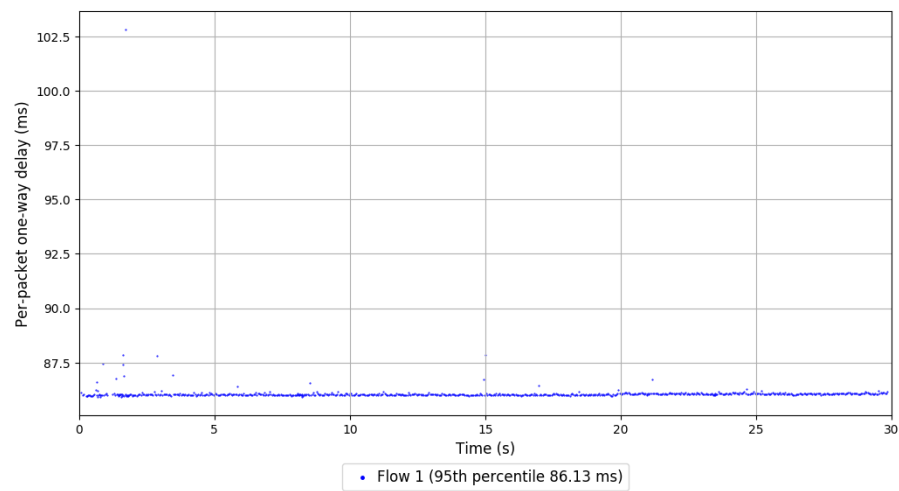
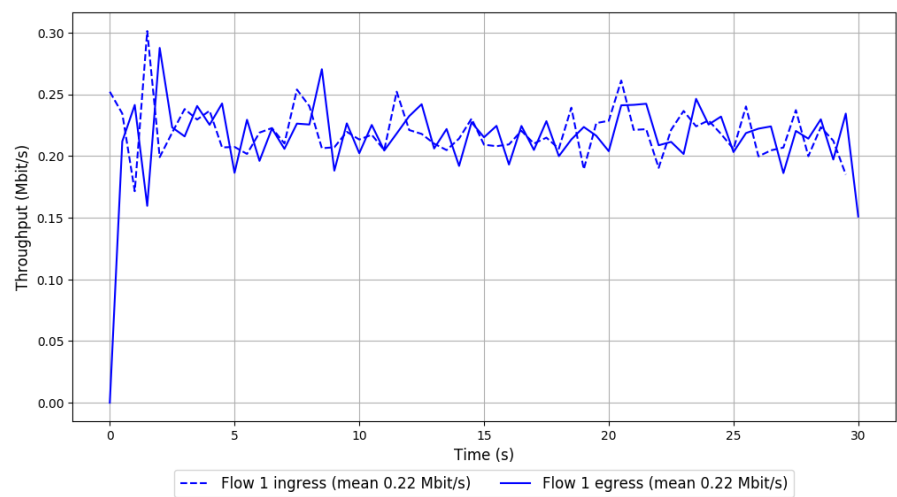


Run 2: Statistics of SCReAM

Start at: 2018-05-24 11:40:59
End at: 2018-05-24 11:41:29
Local clock offset: 0.038 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-05-24 15:35:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.129 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.129 ms
Loss rate: 0.51%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-05-24 12:01:27

End at: 2018-05-24 12:01:57

Local clock offset: -0.158 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-05-24 15:35:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.361 ms

Loss rate: 0.51%

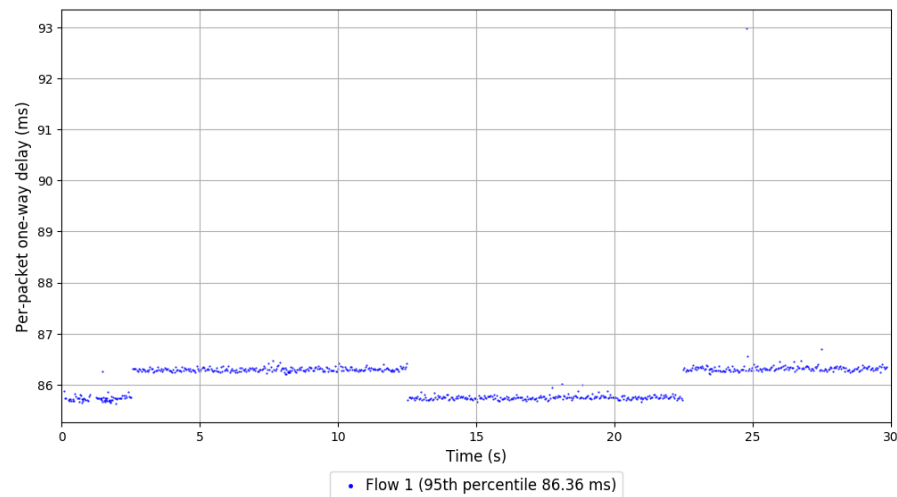
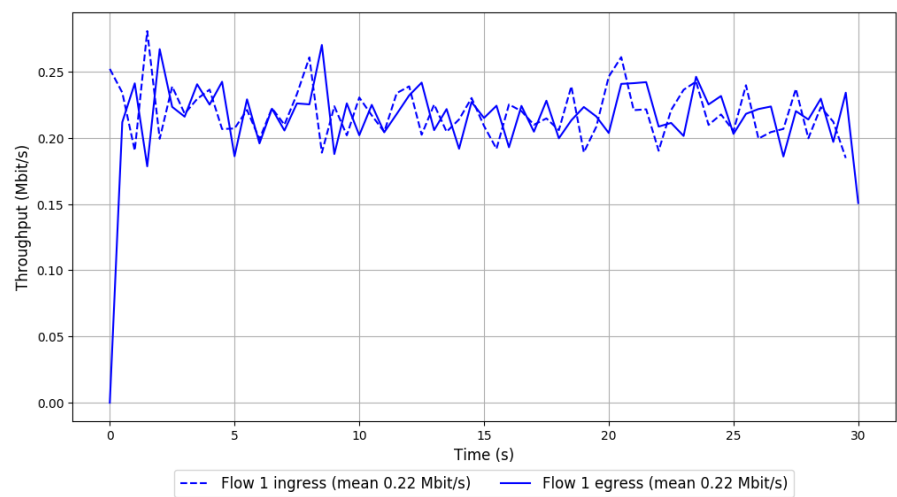
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.361 ms

Loss rate: 0.51%

Run 3: Report of SReAM — Data Link

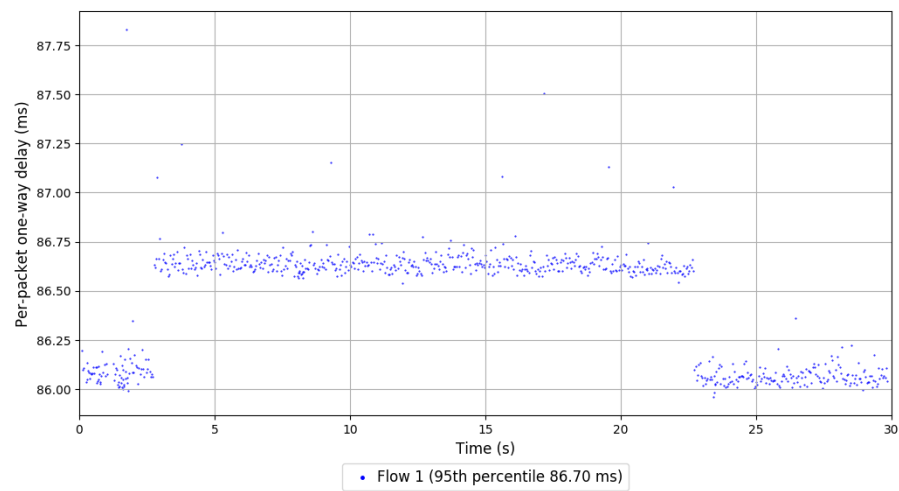
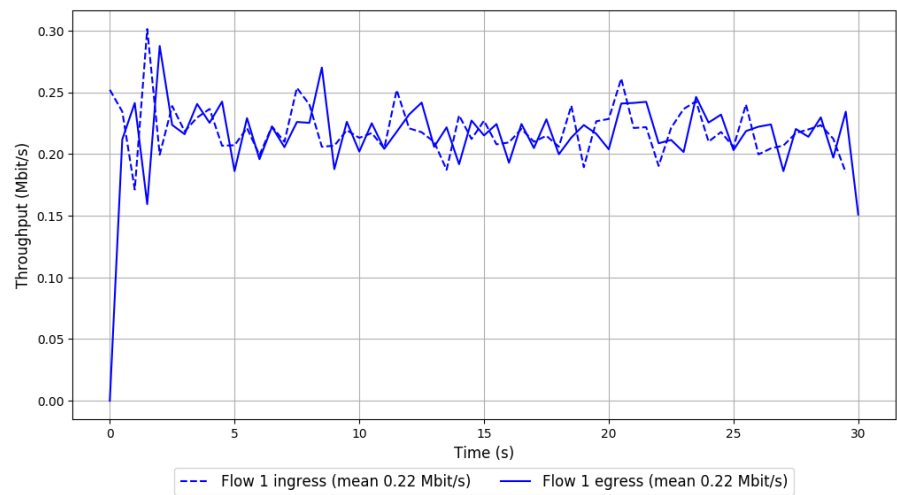


Run 4: Statistics of SCReAM

Start at: 2018-05-24 12:22:06
End at: 2018-05-24 12:22:36
Local clock offset: 0.057 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-05-24 15:35:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.699 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.699 ms
Loss rate: 0.51%

Run 4: Report of SReAM — Data Link

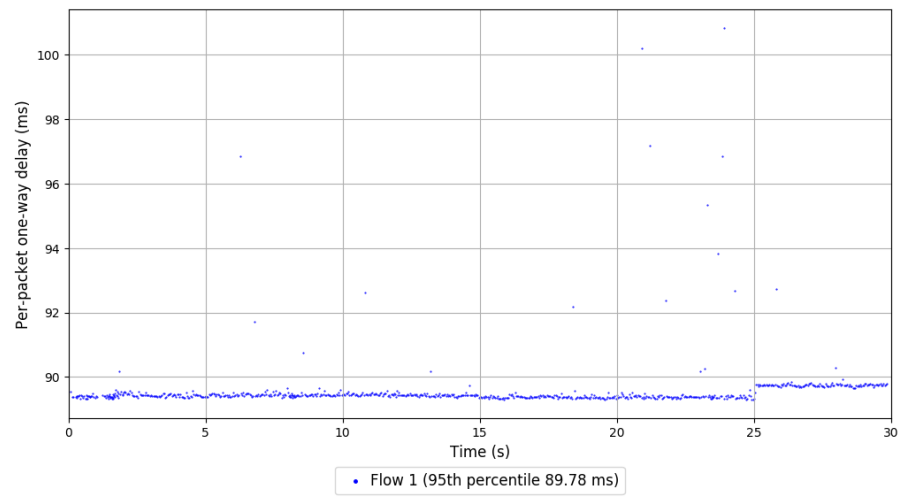
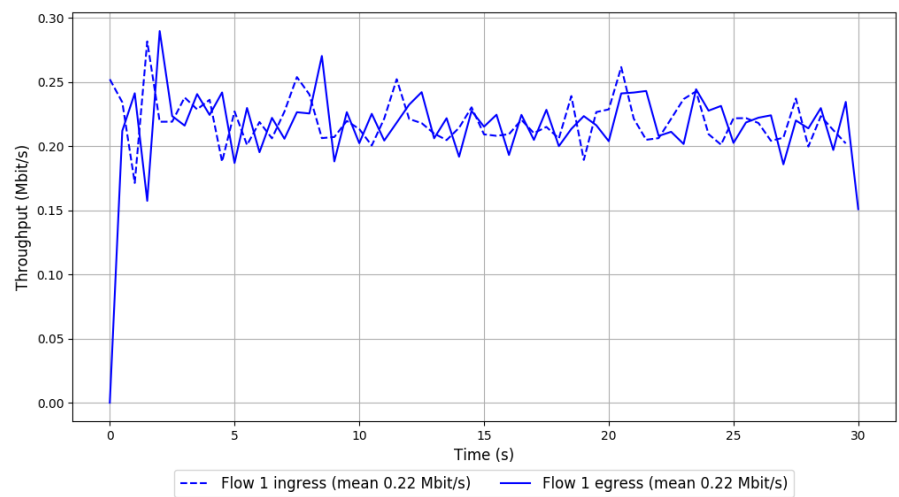


Run 5: Statistics of SReAM

Start at: 2018-05-24 12:42:24
End at: 2018-05-24 12:42:54
Local clock offset: 3.418 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-05-24 15:35:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 89.779 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 89.779 ms
Loss rate: 0.64%

Run 5: Report of SReAM — Data Link

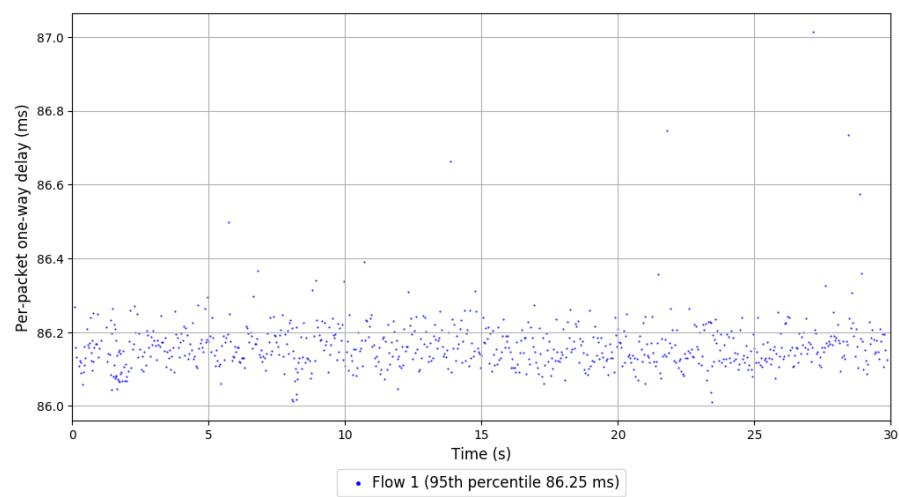
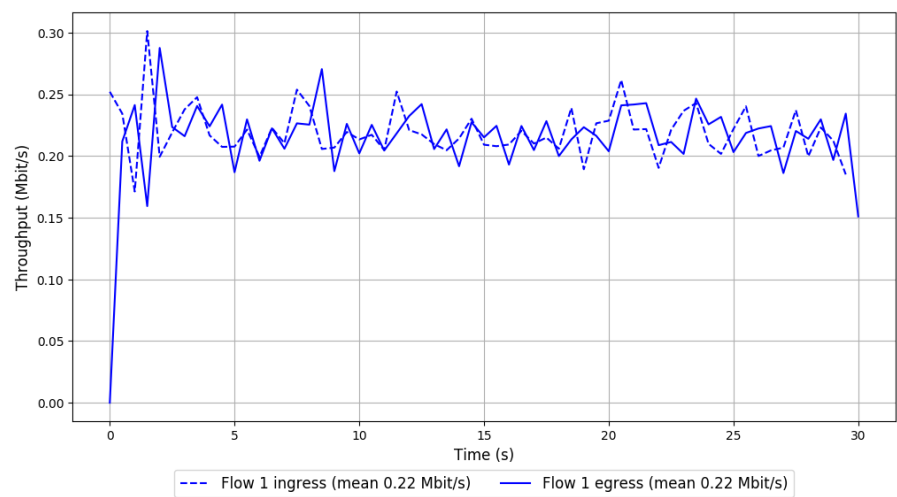


Run 6: Statistics of SCReAM

Start at: 2018-05-24 13:02:57
End at: 2018-05-24 13:03:27
Local clock offset: 0.073 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-05-24 15:35:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.250 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.250 ms
Loss rate: 0.51%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-05-24 13:23:42

End at: 2018-05-24 13:24:12

Local clock offset: 3.41 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-05-24 15:35:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 89.732 ms

Loss rate: 0.51%

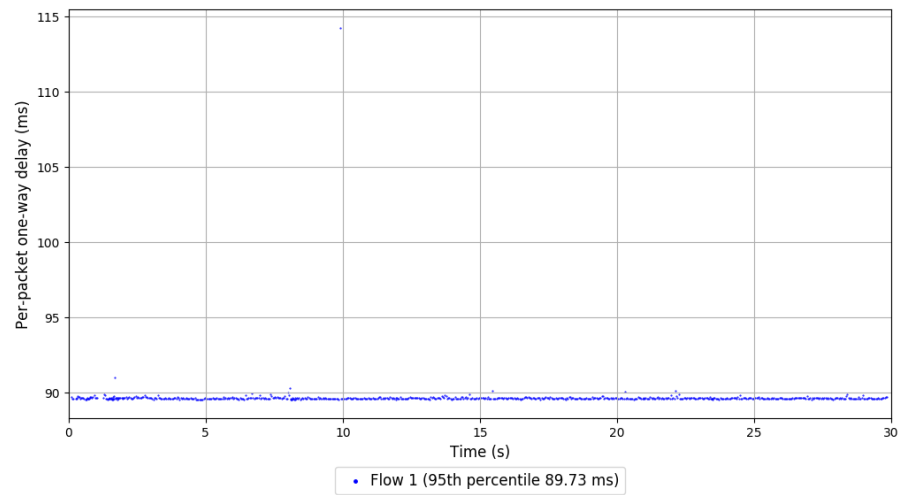
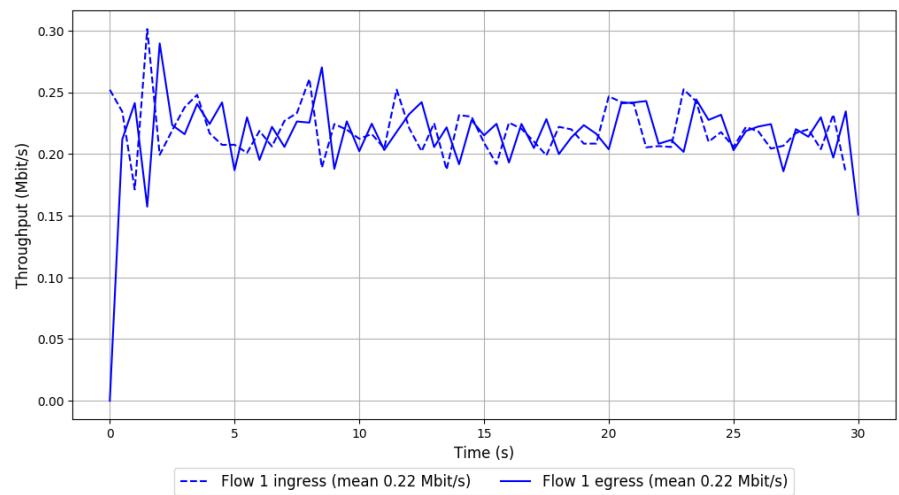
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 89.732 ms

Loss rate: 0.51%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-05-24 13:44:07

End at: 2018-05-24 13:44:37

Local clock offset: 1.296 ms

Remote clock offset: 0.082 ms

Below is generated by plot.py at 2018-05-24 15:35:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.715 ms

Loss rate: 0.51%

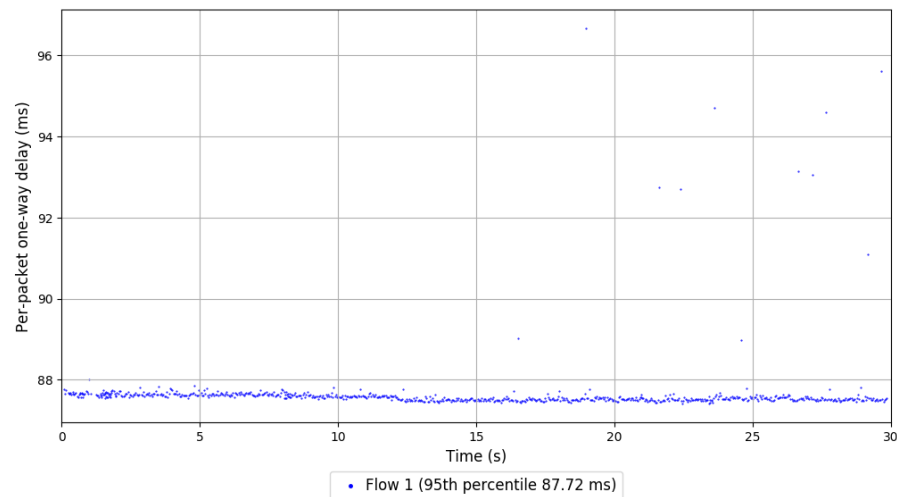
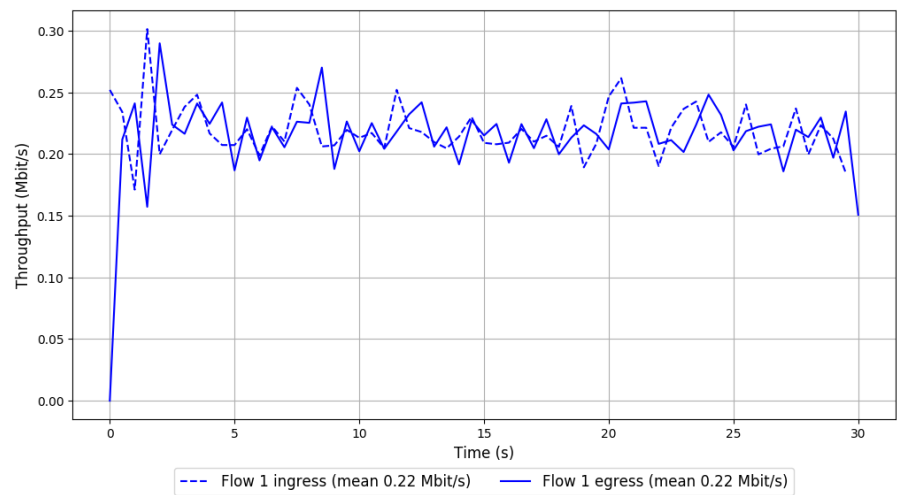
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.715 ms

Loss rate: 0.51%

Run 8: Report of SReAM — Data Link

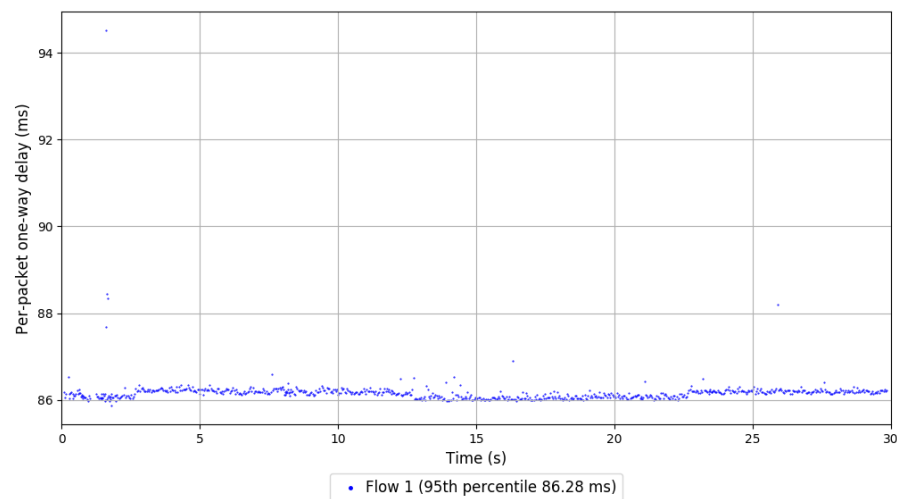
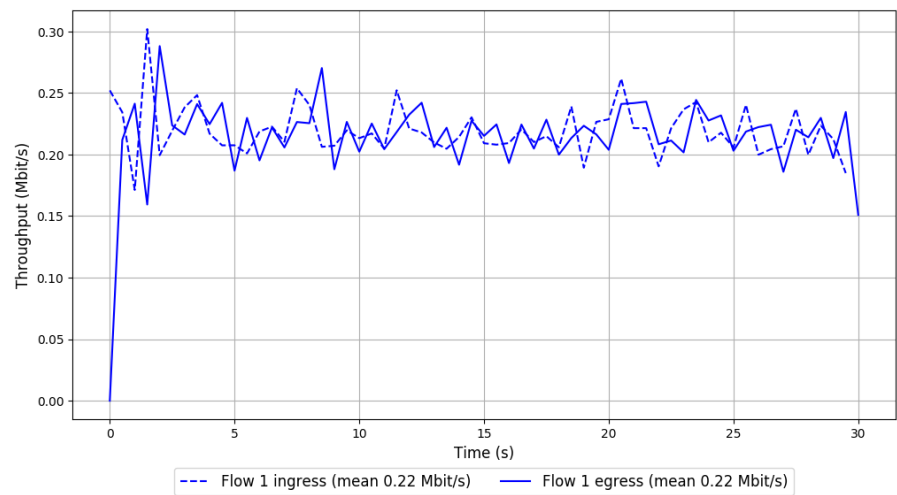


Run 9: Statistics of SCReAM

Start at: 2018-05-24 14:04:26
End at: 2018-05-24 14:04:56
Local clock offset: -0.082 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-05-24 15:35:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.285 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.285 ms
Loss rate: 0.51%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-05-24 14:25:04

End at: 2018-05-24 14:25:34

Local clock offset: 0.145 ms

Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-05-24 15:35:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.630 ms

Loss rate: 0.51%

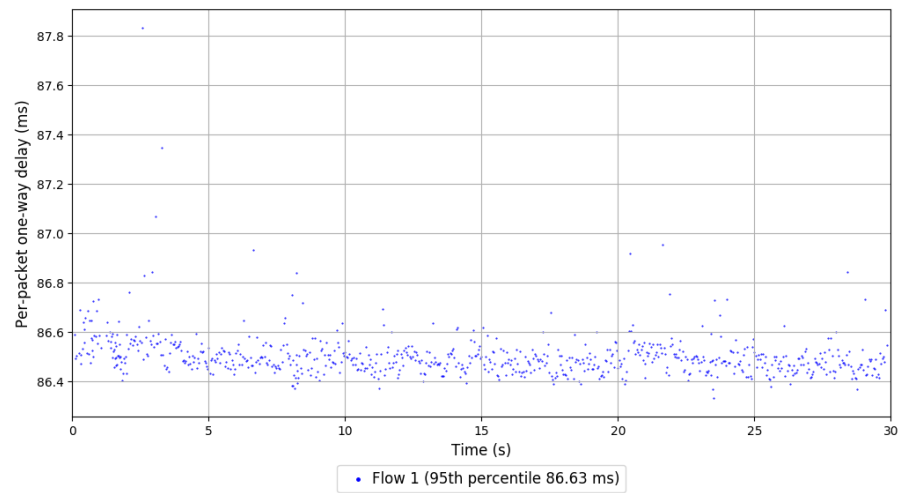
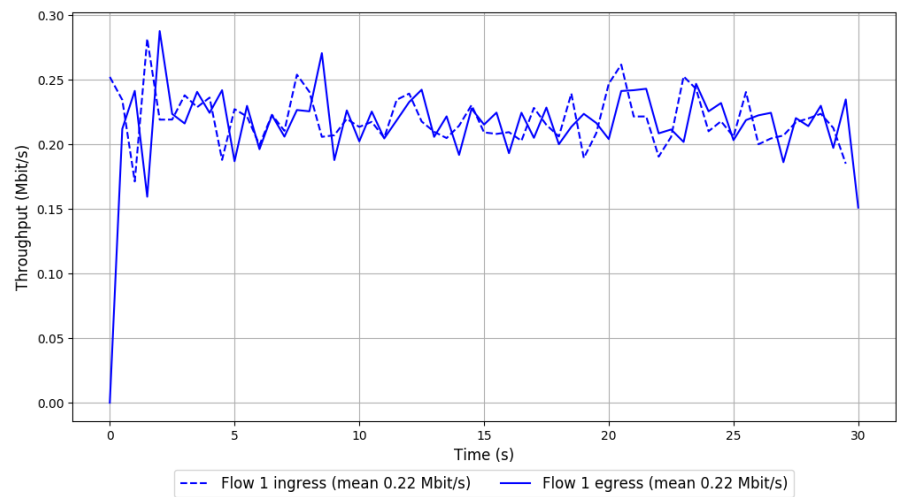
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.630 ms

Loss rate: 0.51%

Run 10: Report of SReAM — Data Link

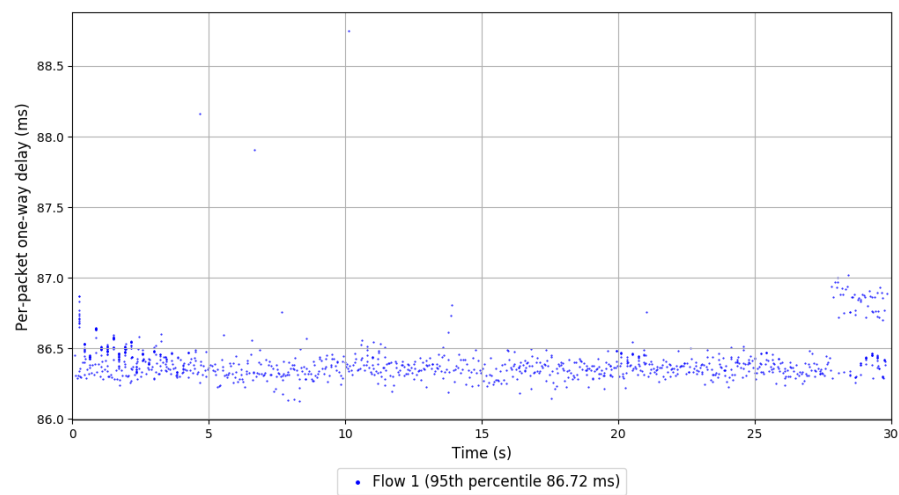
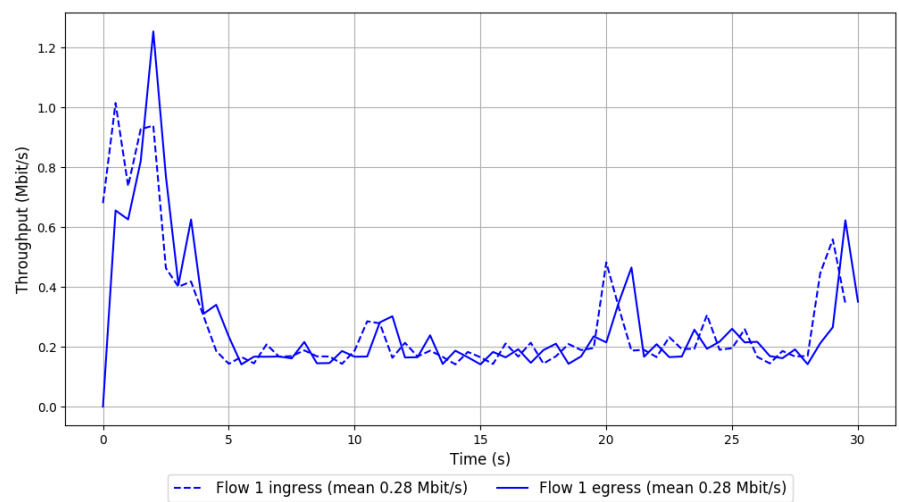


Run 1: Statistics of Sprout

Start at: 2018-05-24 11:29:51
End at: 2018-05-24 11:30:21
Local clock offset: 0.204 ms
Remote clock offset: -0.152 ms

Below is generated by plot.py at 2018-05-24 15:35:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 86.721 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 86.721 ms
Loss rate: 0.68%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-05-24 11:50:22

End at: 2018-05-24 11:50:52

Local clock offset: 0.253 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-05-24 15:35:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 86.399 ms

Loss rate: 0.29%

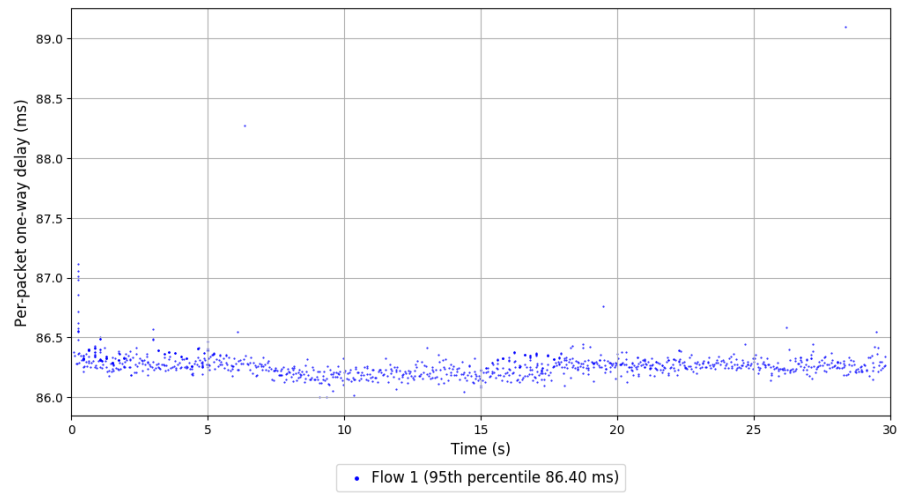
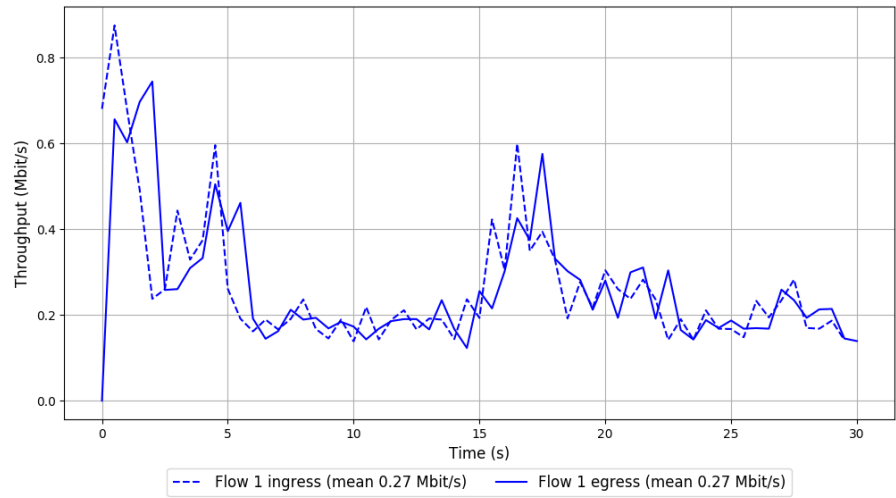
-- Flow 1:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 86.399 ms

Loss rate: 0.29%

Run 2: Report of Sprout — Data Link

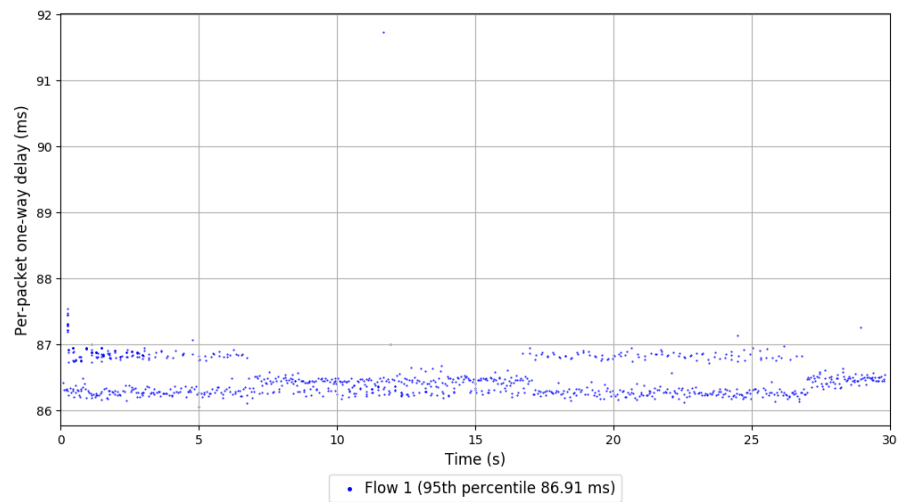
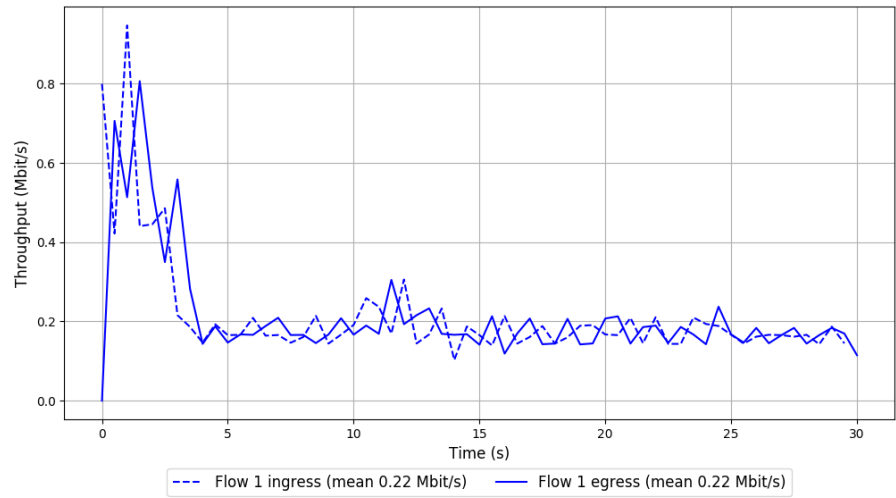


Run 3: Statistics of Sprout

Start at: 2018-05-24 12:11:02
End at: 2018-05-24 12:11:32
Local clock offset: 0.268 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-05-24 15:35:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.913 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.913 ms
Loss rate: 0.39%

Run 3: Report of Sprout — Data Link

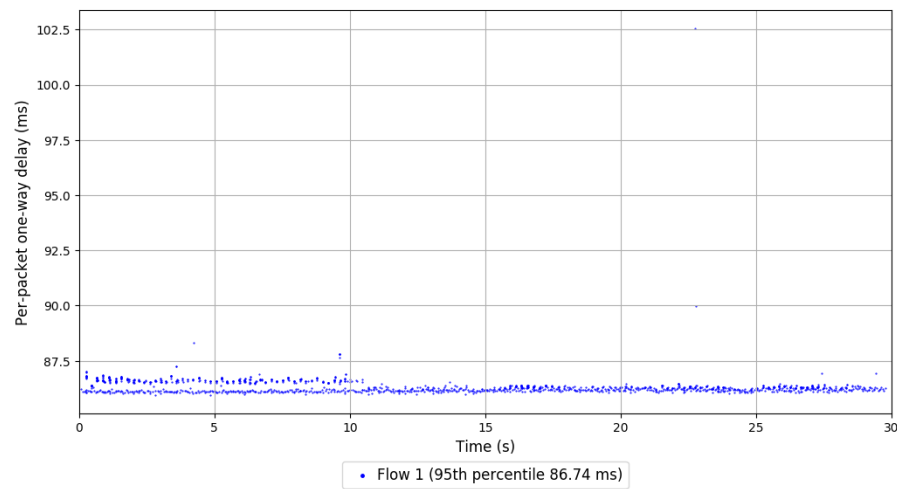
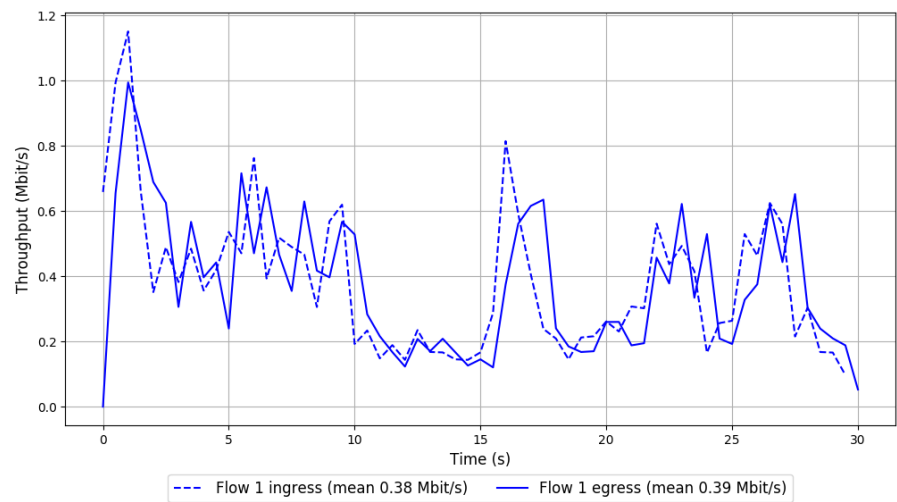


Run 4: Statistics of Sprout

Start at: 2018-05-24 12:31:29
End at: 2018-05-24 12:31:59
Local clock offset: 0.103 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-05-24 15:35:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 86.739 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 86.739 ms
Loss rate: 0.21%

Run 4: Report of Sprout — Data Link

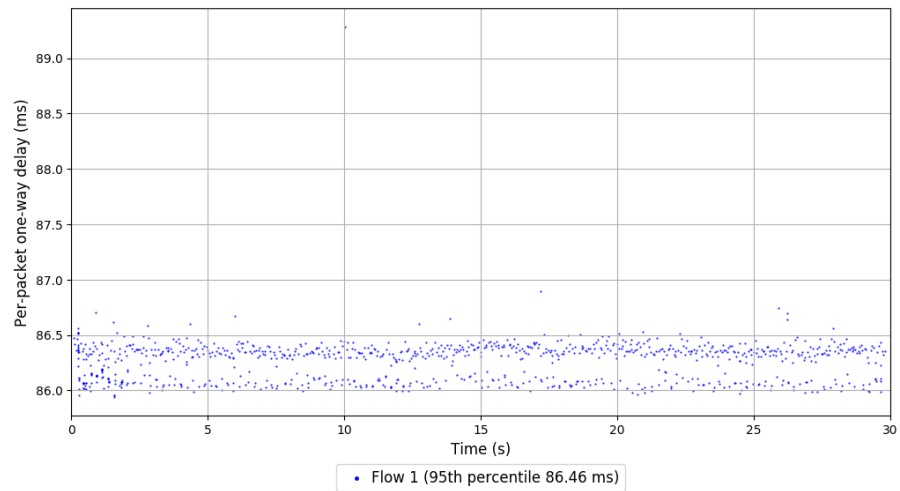
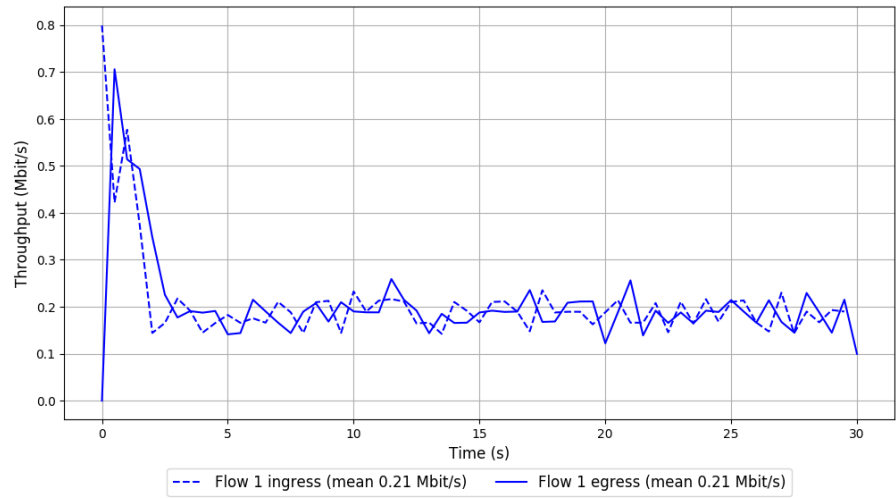


Run 5: Statistics of Sprout

Start at: 2018-05-24 12:51:46
End at: 2018-05-24 12:52:16
Local clock offset: 0.045 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-05-24 15:35:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 86.457 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 86.457 ms
Loss rate: 0.74%

Run 5: Report of Sprout — Data Link

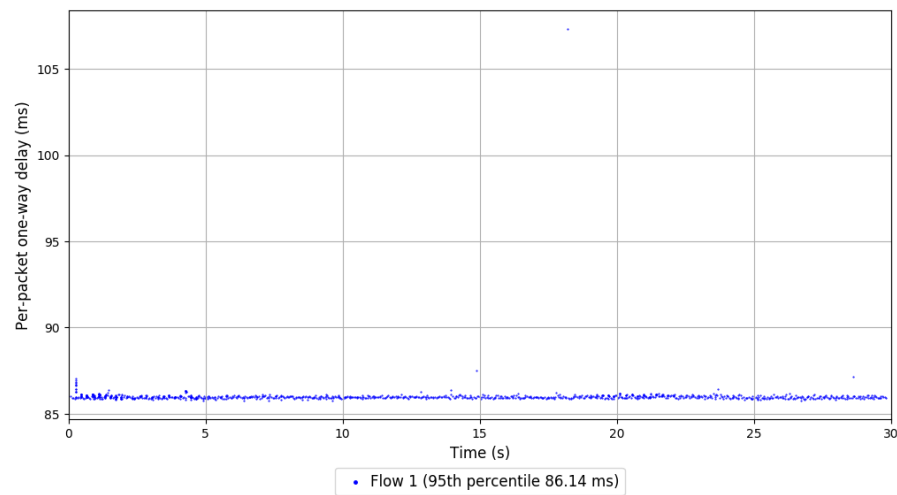
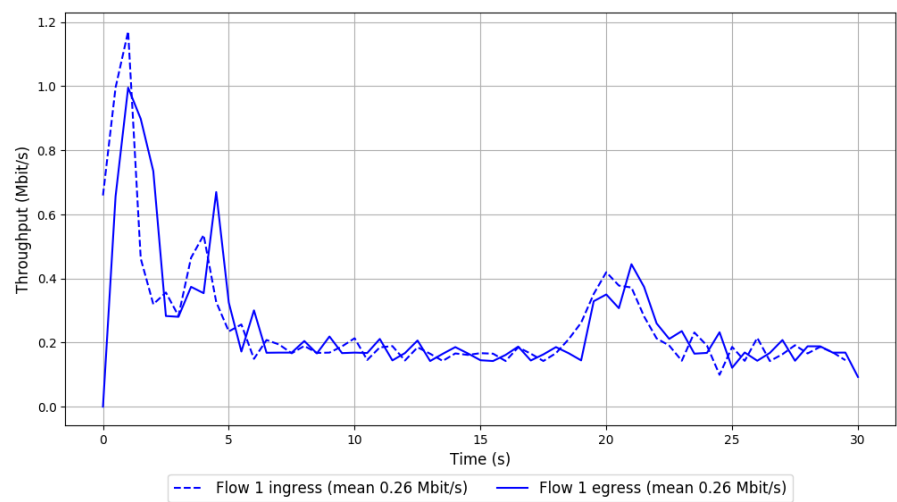


Run 6: Statistics of Sprout

Start at: 2018-05-24 13:12:33
End at: 2018-05-24 13:13:03
Local clock offset: -0.107 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-05-24 15:35:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.135 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.135 ms
Loss rate: 0.48%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-05-24 13:33:01

End at: 2018-05-24 13:33:31

Local clock offset: -0.21 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2018-05-24 15:35:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 86.341 ms

Loss rate: 0.54%

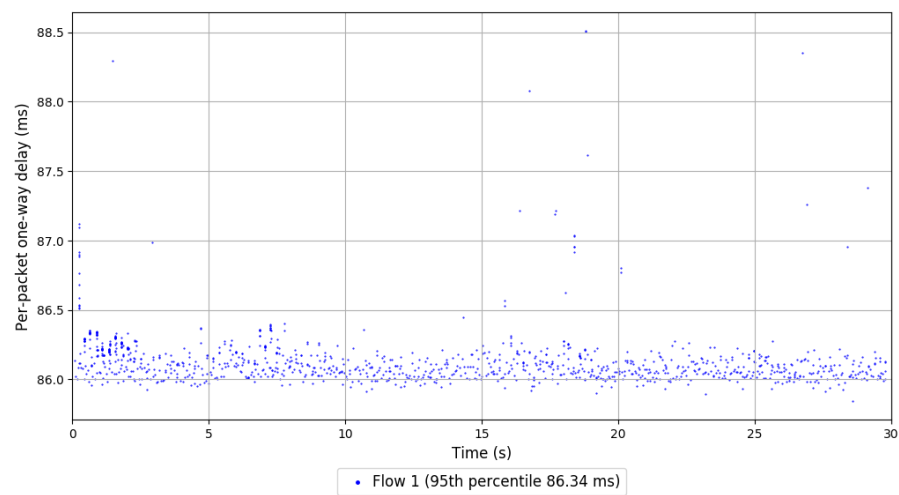
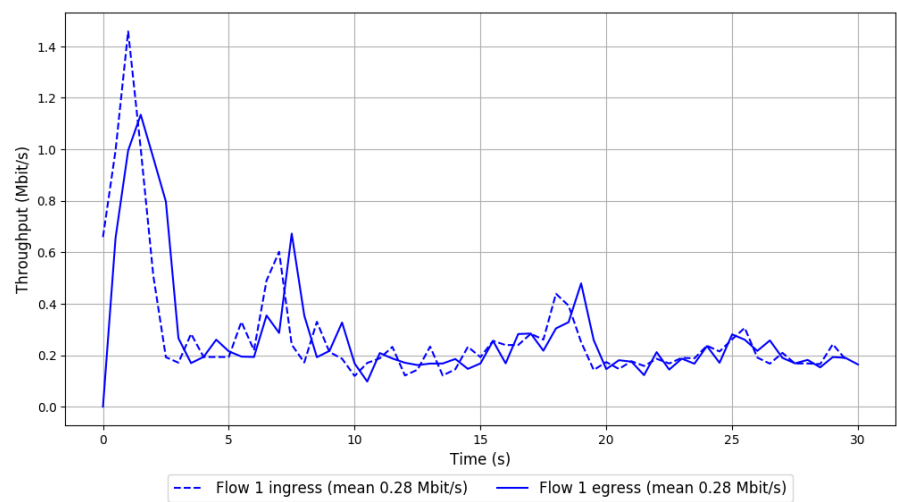
-- Flow 1:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 86.341 ms

Loss rate: 0.54%

Run 7: Report of Sprout — Data Link

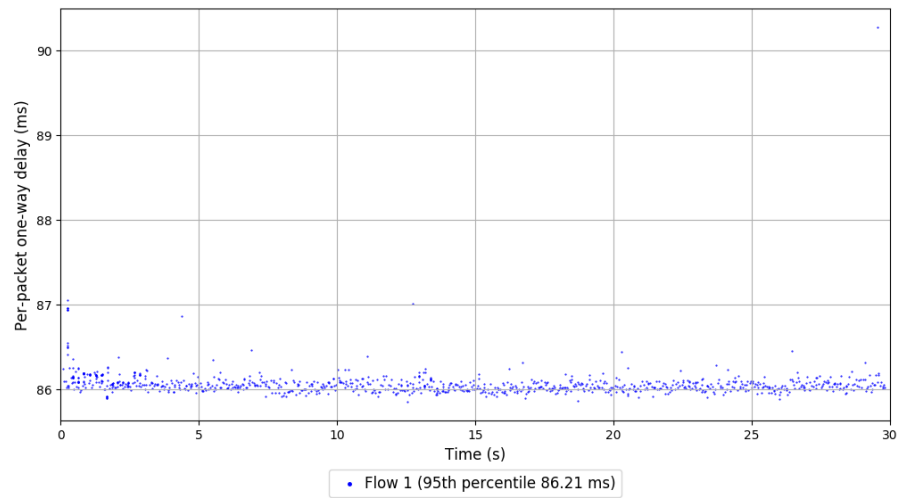
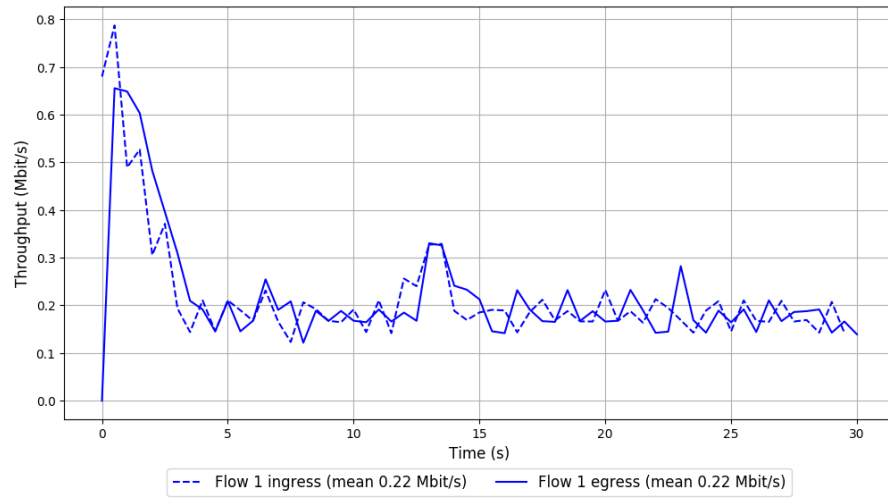


Run 8: Statistics of Sprout

Start at: 2018-05-24 13:53:21
End at: 2018-05-24 13:53:51
Local clock offset: -0.268 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-05-24 15:35:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.208 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.208 ms
Loss rate: 0.36%

Run 8: Report of Sprout — Data Link

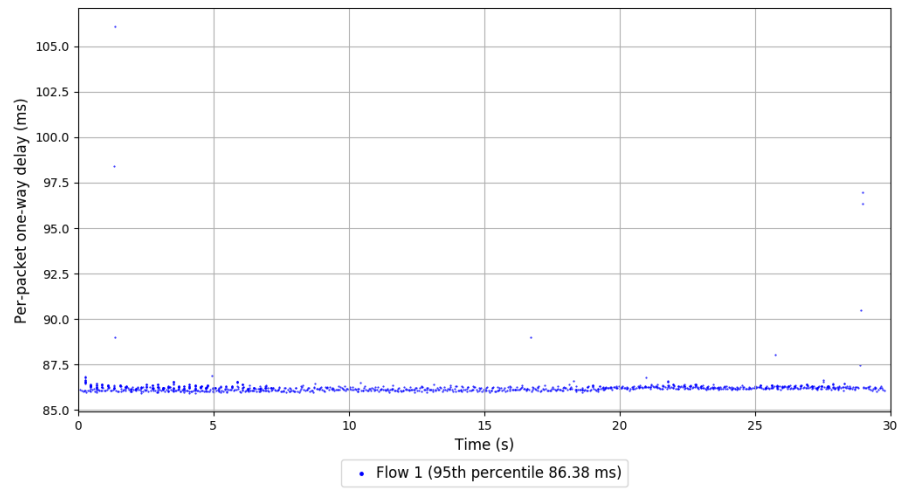
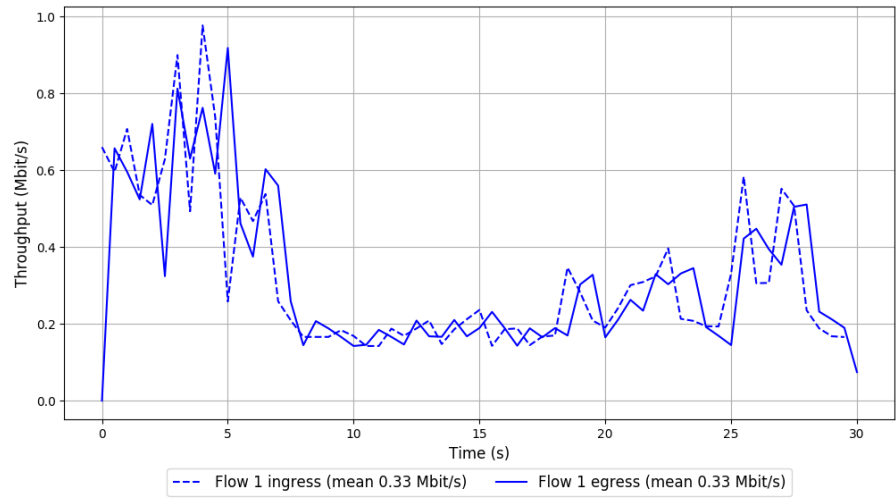


Run 9: Statistics of Sprout

Start at: 2018-05-24 14:13:50
End at: 2018-05-24 14:14:20
Local clock offset: -0.091 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-05-24 15:35:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 86.380 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 86.380 ms
Loss rate: 0.49%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-05-24 14:34:23

End at: 2018-05-24 14:34:53

Local clock offset: 1.253 ms

Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-05-24 15:35:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 87.757 ms

Loss rate: 0.39%

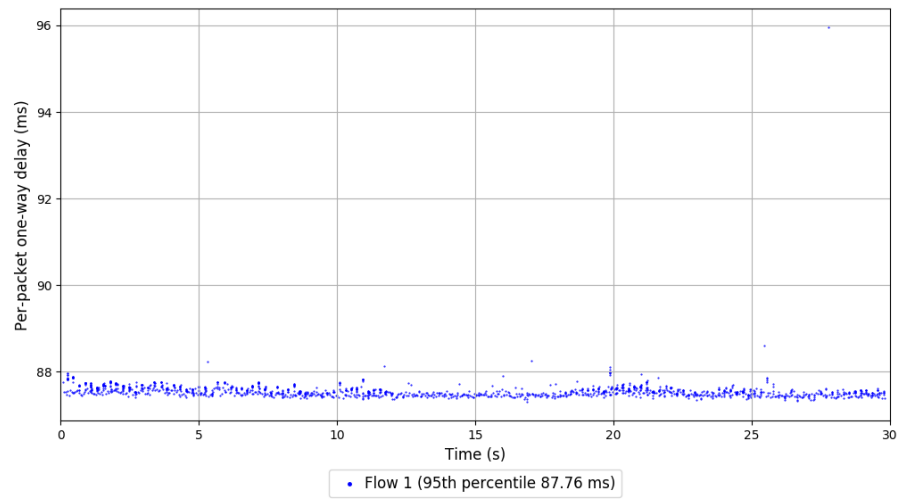
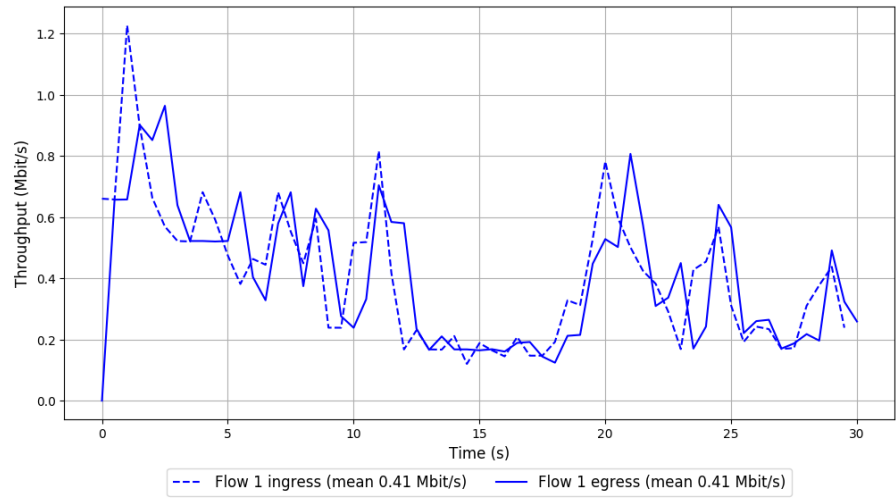
-- Flow 1:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 87.757 ms

Loss rate: 0.39%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-05-24 11:30:58

End at: 2018-05-24 11:31:28

Local clock offset: 0.014 ms

Remote clock offset: -0.138 ms

Below is generated by plot.py at 2018-05-24 15:39:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.89 Mbit/s

95th percentile per-packet one-way delay: 86.386 ms

Loss rate: 0.61%

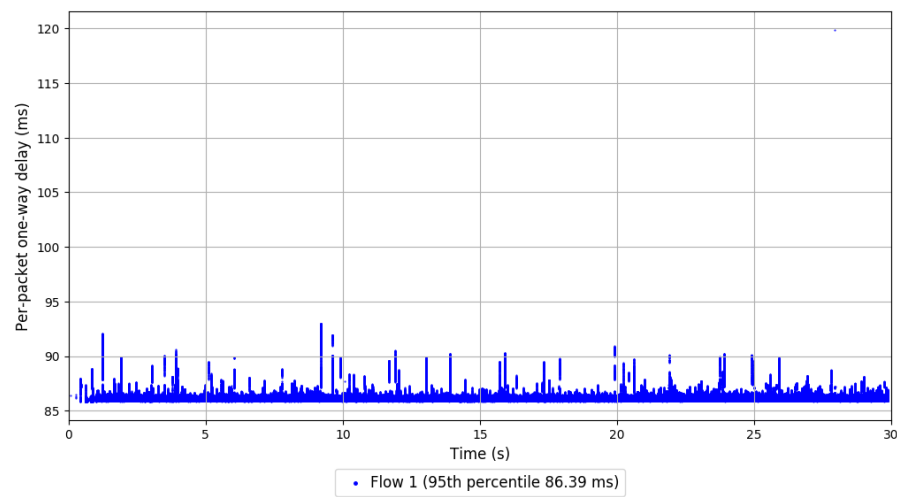
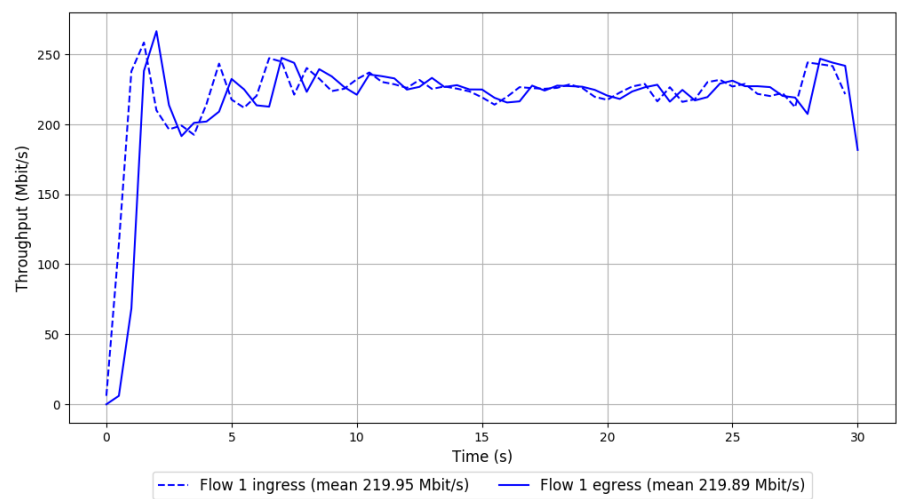
-- Flow 1:

Average throughput: 219.89 Mbit/s

95th percentile per-packet one-way delay: 86.386 ms

Loss rate: 0.61%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-05-24 11:51:29

End at: 2018-05-24 11:51:59

Local clock offset: 0.065 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-05-24 15:40:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.51 Mbit/s

95th percentile per-packet one-way delay: 86.252 ms

Loss rate: 0.63%

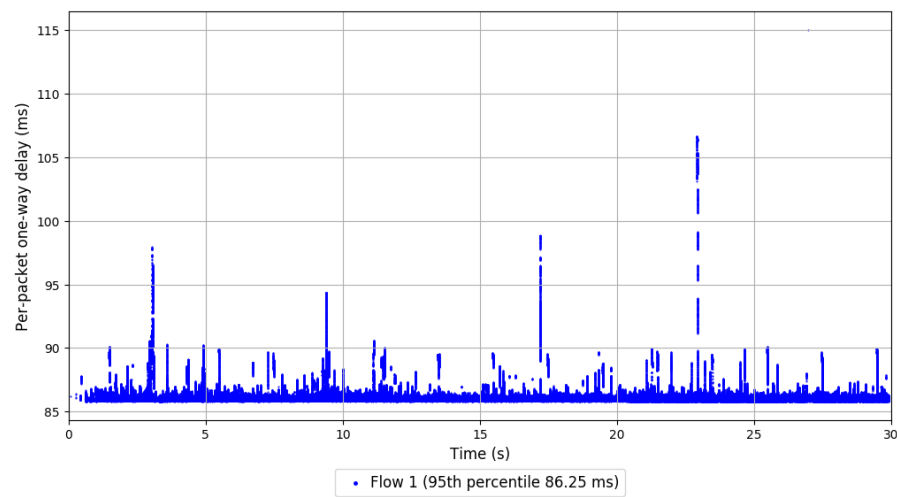
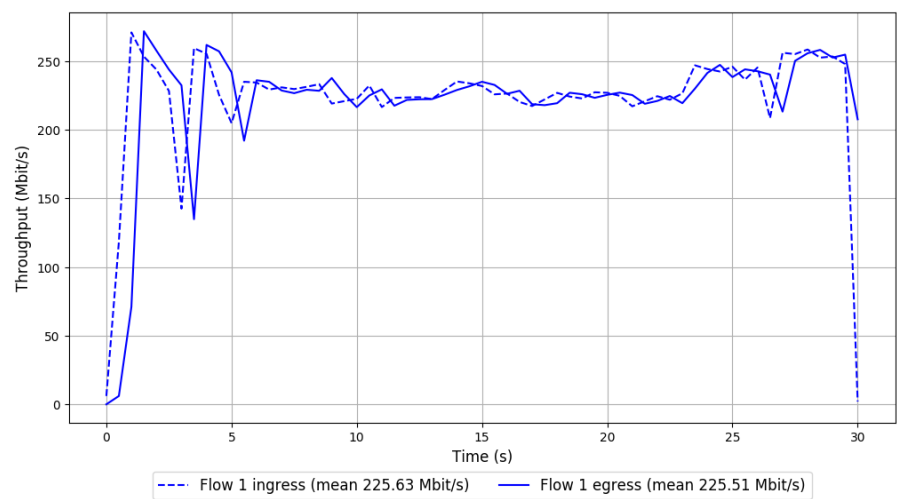
-- Flow 1:

Average throughput: 225.51 Mbit/s

95th percentile per-packet one-way delay: 86.252 ms

Loss rate: 0.63%

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

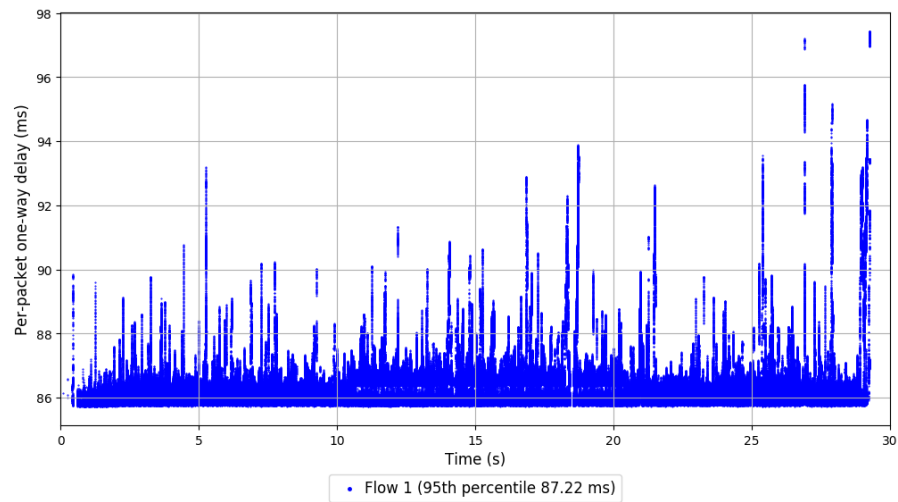
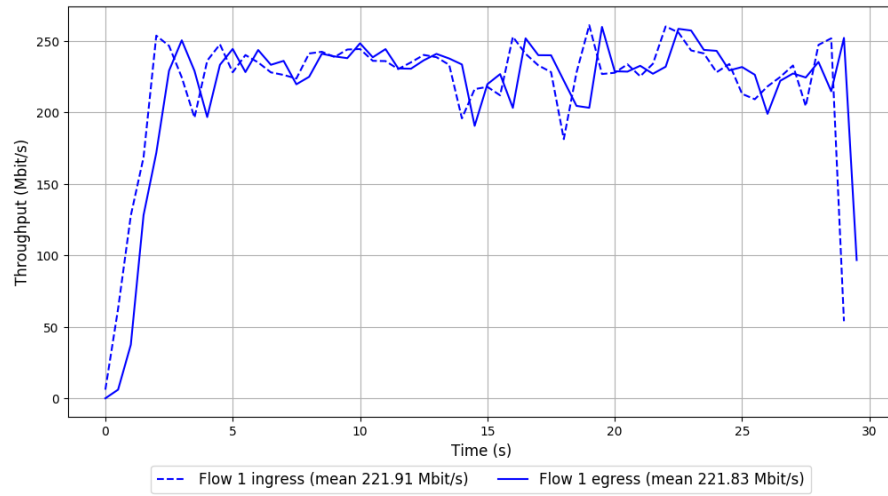


Run 3: Statistics of TaoVA-100x

Start at: 2018-05-24 12:12:09
End at: 2018-05-24 12:12:39
Local clock offset: -0.001 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-05-24 15:40:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.83 Mbit/s
95th percentile per-packet one-way delay: 87.216 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 221.83 Mbit/s
95th percentile per-packet one-way delay: 87.216 ms
Loss rate: 0.00%

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

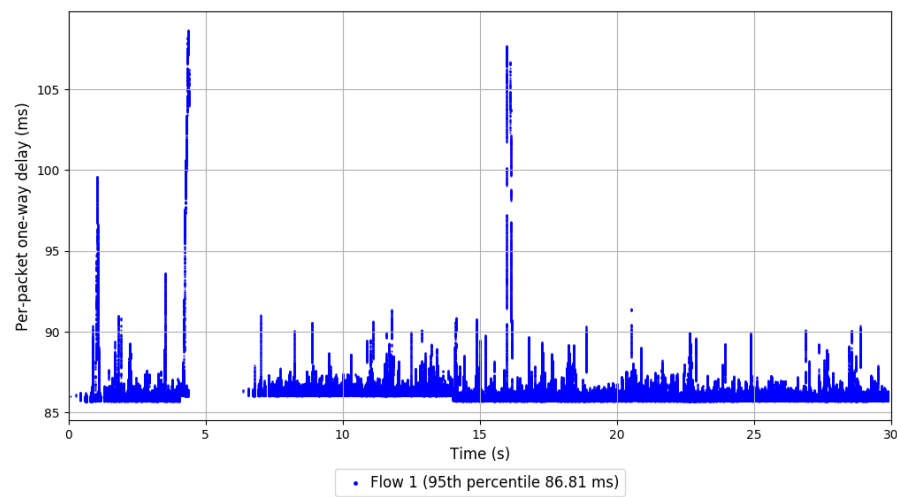
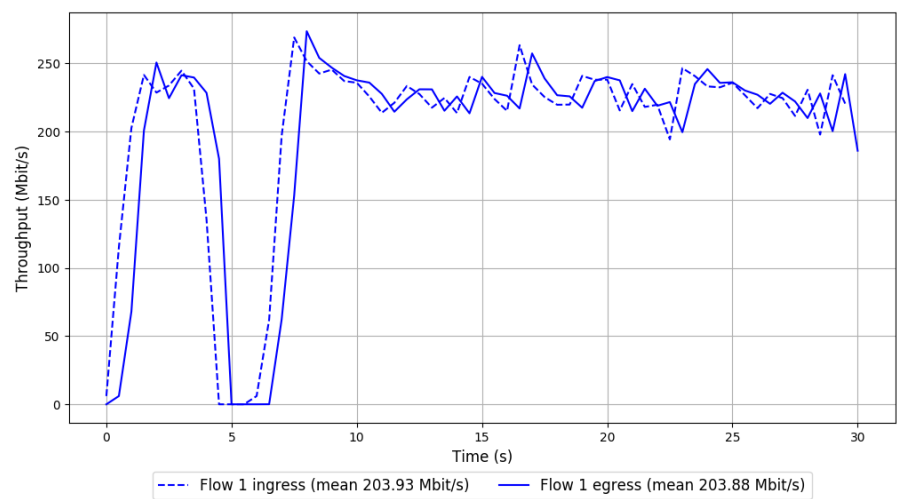


Run 4: Statistics of TaoVA-100x

Start at: 2018-05-24 12:32:35
End at: 2018-05-24 12:33:05
Local clock offset: -0.113 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-05-24 15:40:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 203.88 Mbit/s
95th percentile per-packet one-way delay: 86.808 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 203.88 Mbit/s
95th percentile per-packet one-way delay: 86.808 ms
Loss rate: 0.61%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-05-24 12:52:53

End at: 2018-05-24 12:53:23

Local clock offset: 0.017 ms

Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-05-24 15:40:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.42 Mbit/s

95th percentile per-packet one-way delay: 86.784 ms

Loss rate: 0.63%

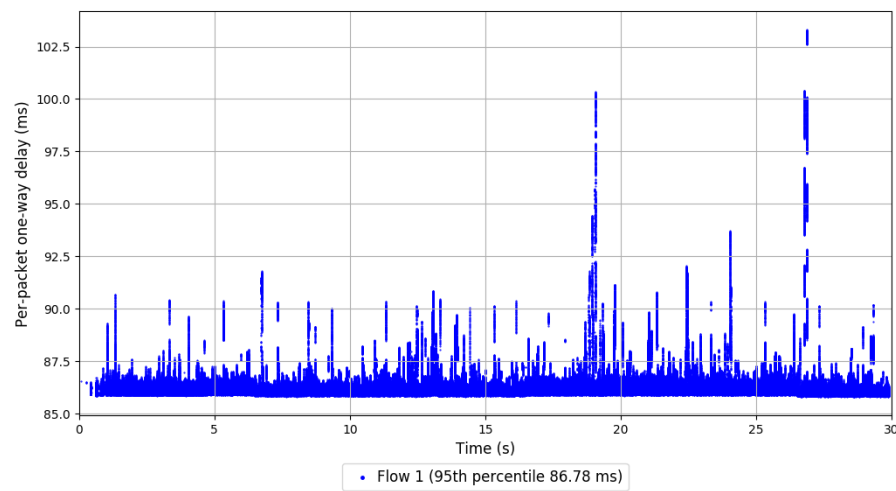
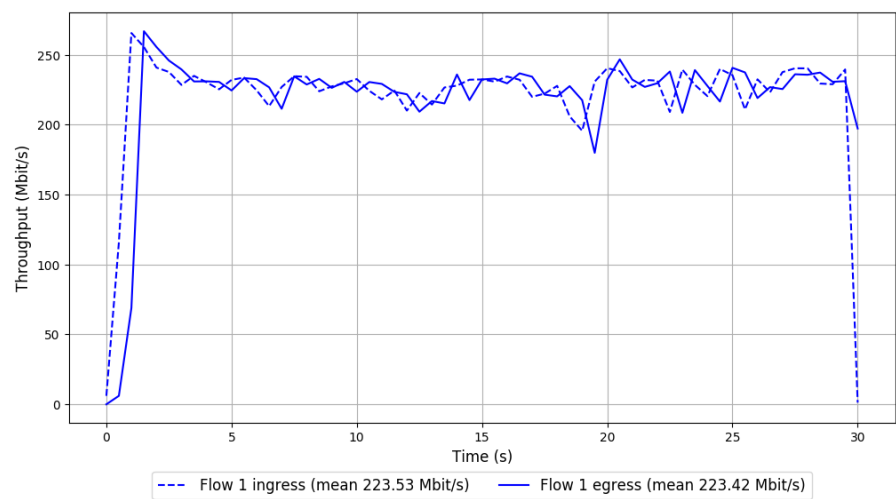
-- Flow 1:

Average throughput: 223.42 Mbit/s

95th percentile per-packet one-way delay: 86.784 ms

Loss rate: 0.63%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-05-24 13:13:40

End at: 2018-05-24 13:14:10

Local clock offset: 1.647 ms

Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-05-24 15:40:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.87 Mbit/s

95th percentile per-packet one-way delay: 88.079 ms

Loss rate: 0.60%

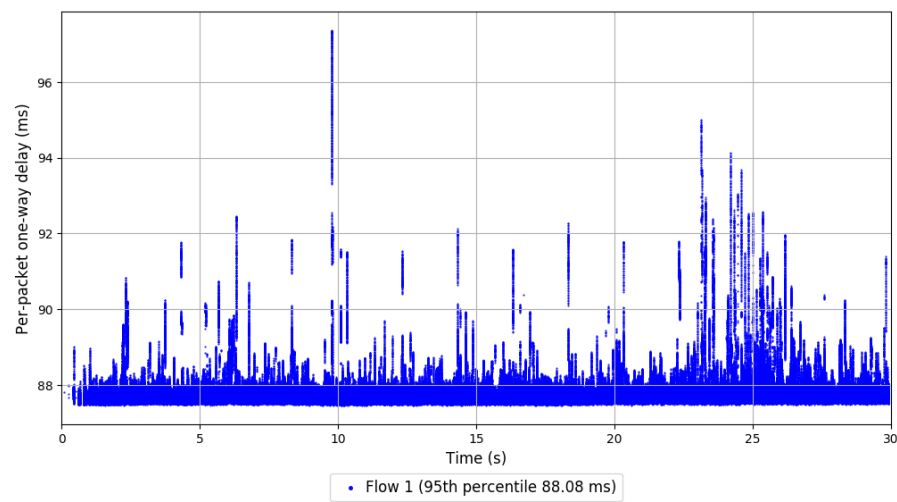
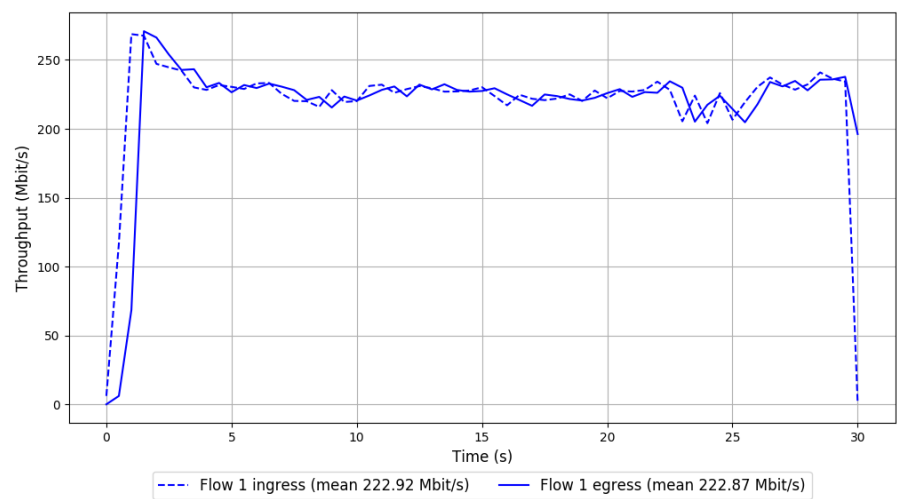
-- Flow 1:

Average throughput: 222.87 Mbit/s

95th percentile per-packet one-way delay: 88.079 ms

Loss rate: 0.60%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-05-24 13:34:08

End at: 2018-05-24 13:34:38

Local clock offset: -0.093 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-05-24 15:40:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.77 Mbit/s

95th percentile per-packet one-way delay: 86.628 ms

Loss rate: 0.67%

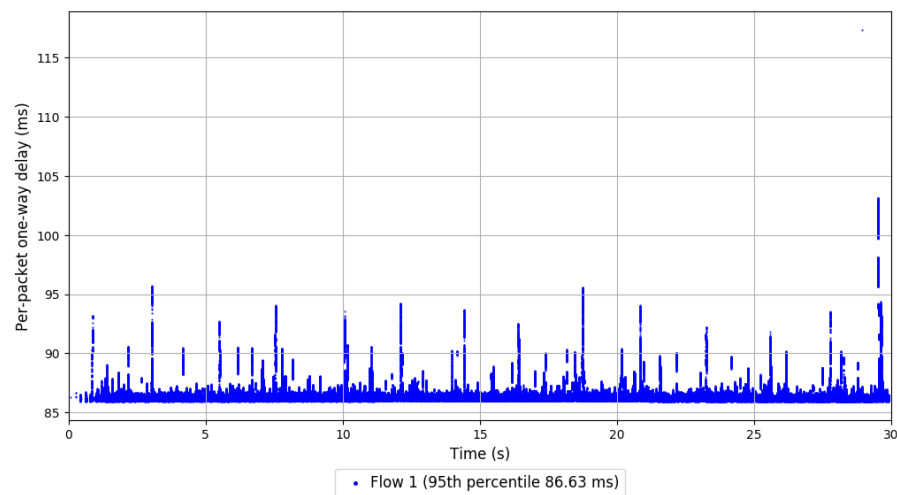
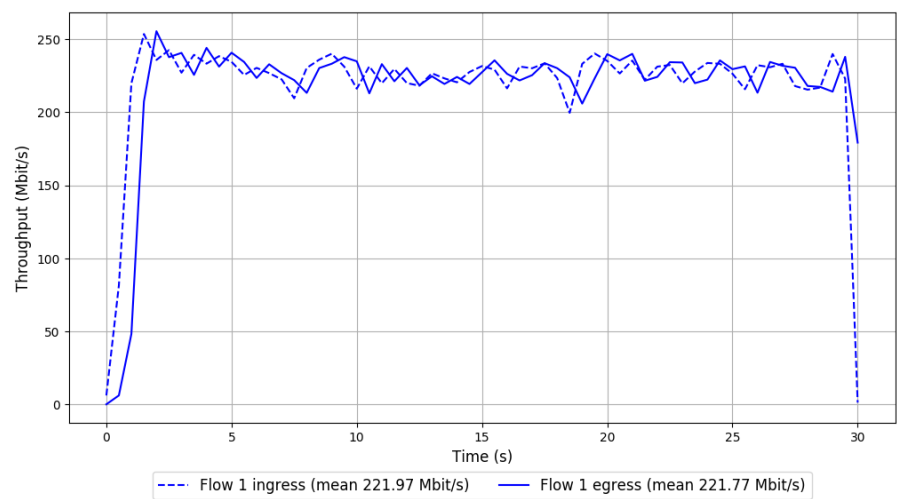
-- Flow 1:

Average throughput: 221.77 Mbit/s

95th percentile per-packet one-way delay: 86.628 ms

Loss rate: 0.67%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-05-24 13:54:28

End at: 2018-05-24 13:54:58

Local clock offset: 0.015 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-05-24 15:43:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.40 Mbit/s

95th percentile per-packet one-way delay: 86.636 ms

Loss rate: 0.60%

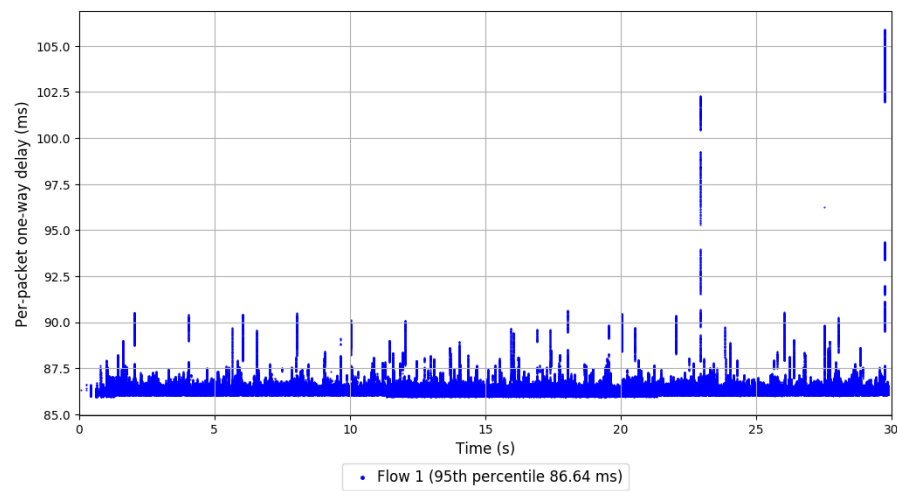
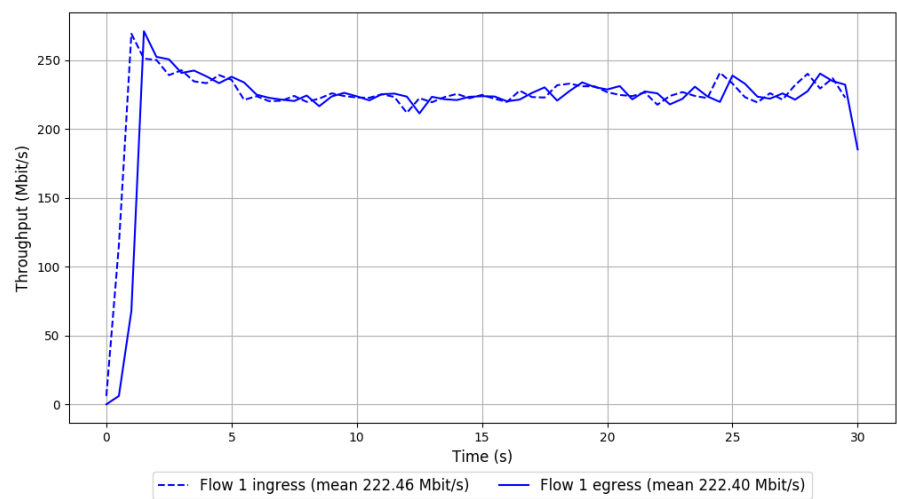
-- Flow 1:

Average throughput: 222.40 Mbit/s

95th percentile per-packet one-way delay: 86.636 ms

Loss rate: 0.60%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-05-24 14:14:56

End at: 2018-05-24 14:15:26

Local clock offset: 1.448 ms

Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-05-24 15:47:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.46 Mbit/s

95th percentile per-packet one-way delay: 88.115 ms

Loss rate: 0.60%

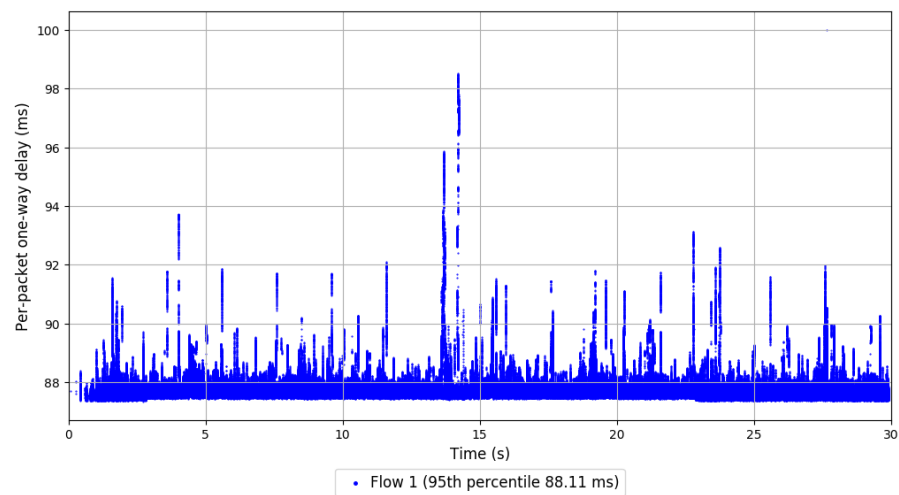
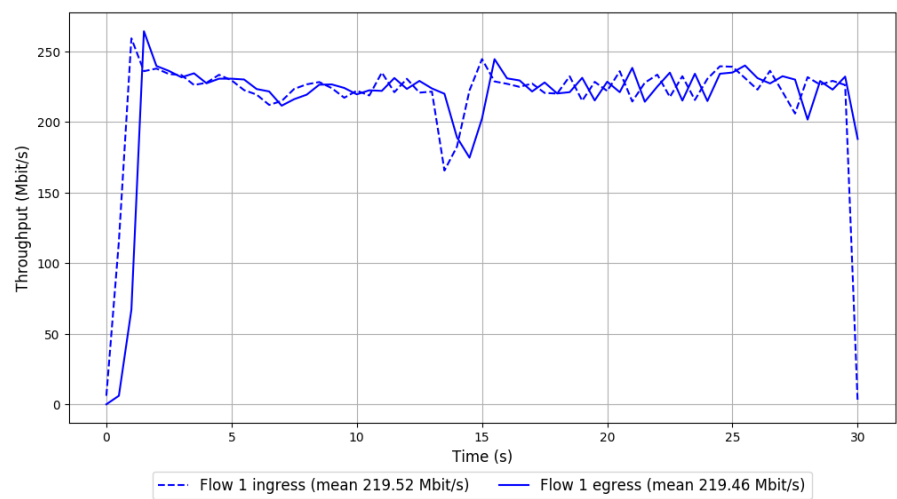
-- Flow 1:

Average throughput: 219.46 Mbit/s

95th percentile per-packet one-way delay: 88.115 ms

Loss rate: 0.60%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-05-24 14:35:30

End at: 2018-05-24 14:36:00

Local clock offset: 0.148 ms

Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-05-24 15:47:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.70 Mbit/s

95th percentile per-packet one-way delay: 87.071 ms

Loss rate: 0.59%

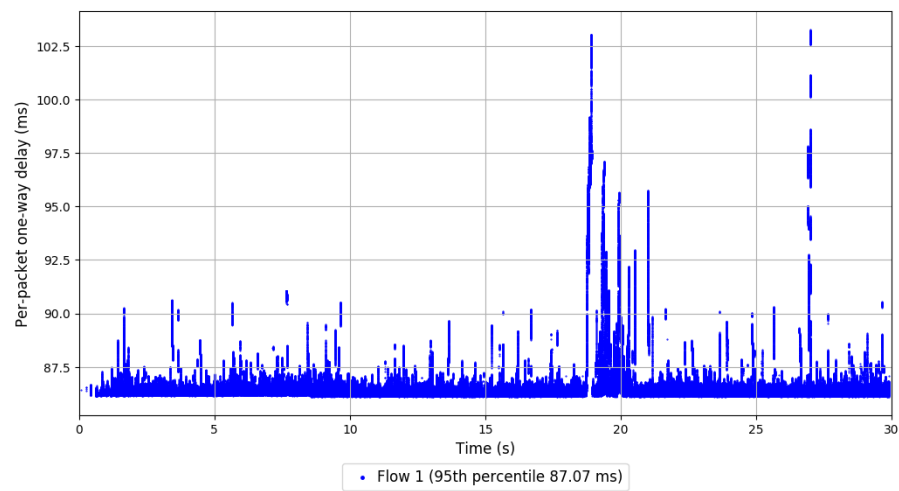
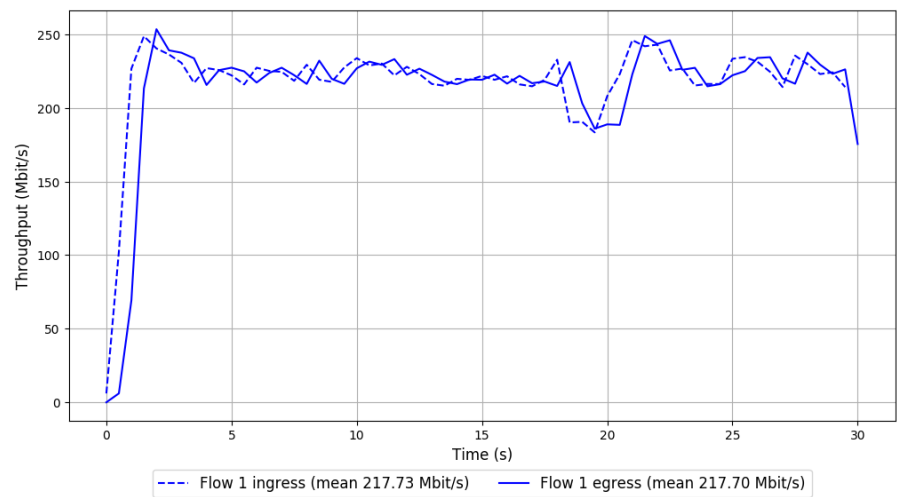
-- Flow 1:

Average throughput: 217.70 Mbit/s

95th percentile per-packet one-way delay: 87.071 ms

Loss rate: 0.59%

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

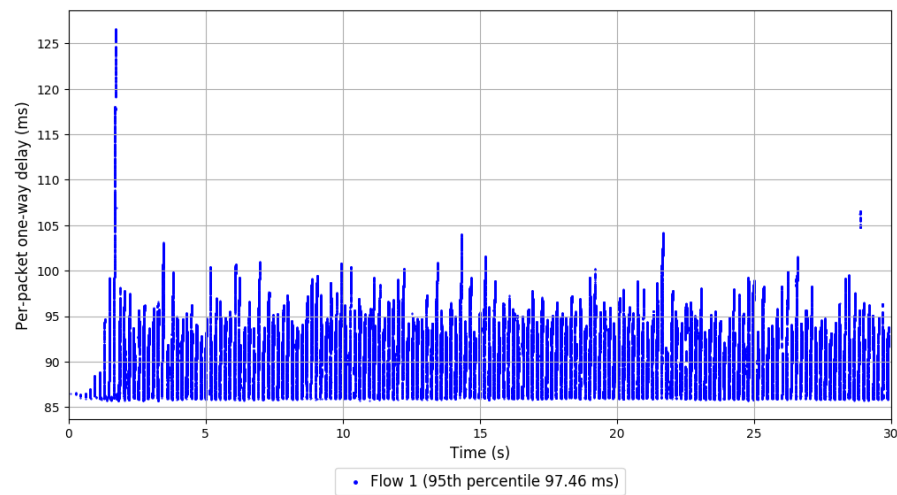
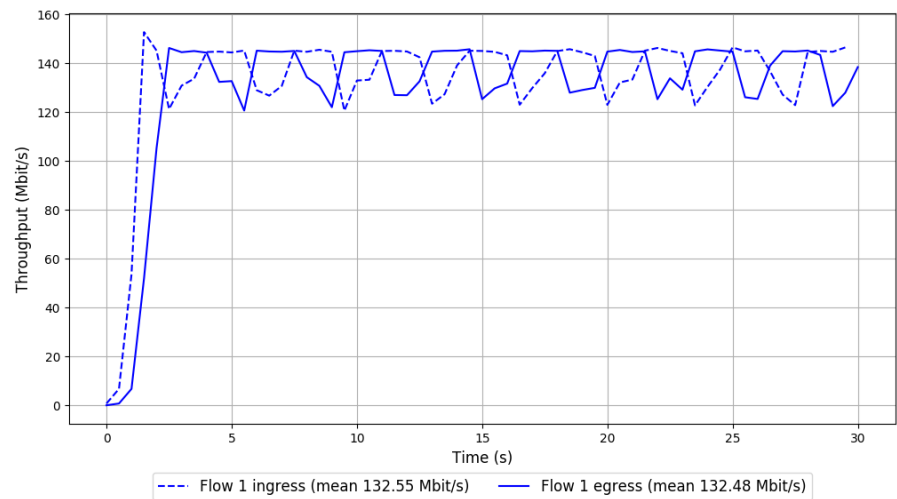


Run 1: Statistics of TCP Vegas

Start at: 2018-05-24 11:19:25
End at: 2018-05-24 11:19:56
Local clock offset: -0.23 ms
Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-05-24 15:47:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 132.48 Mbit/s
95th percentile per-packet one-way delay: 97.459 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 132.48 Mbit/s
95th percentile per-packet one-way delay: 97.459 ms
Loss rate: 0.61%

Run 1: Report of TCP Vegas — Data Link

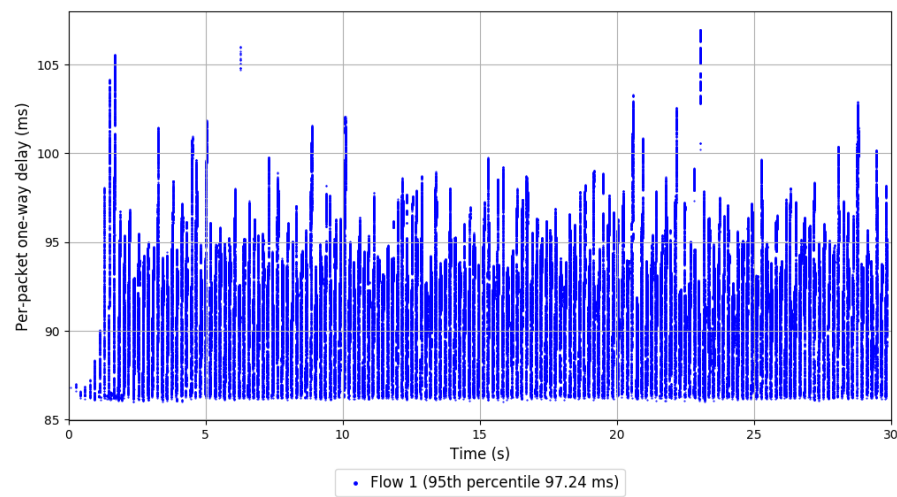
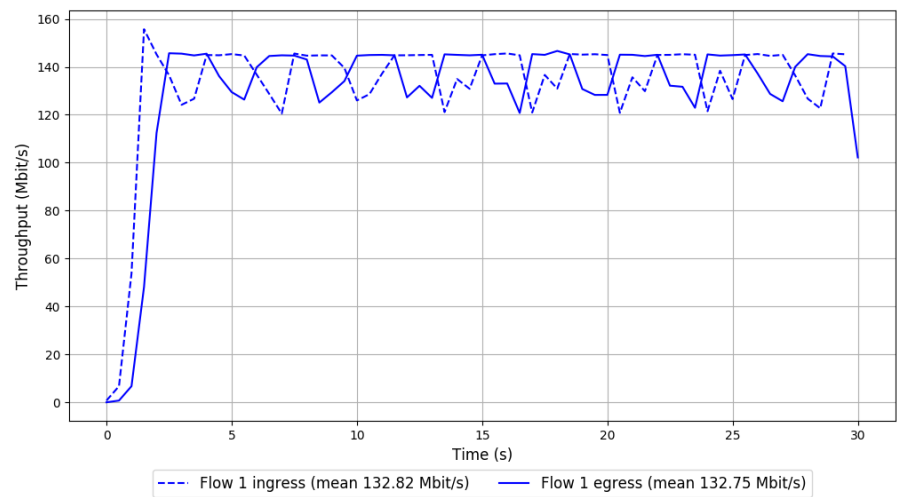


Run 2: Statistics of TCP Vegas

Start at: 2018-05-24 11:39:45
End at: 2018-05-24 11:40:15
Local clock offset: 0.162 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-05-24 15:47:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 132.75 Mbit/s
95th percentile per-packet one-way delay: 97.238 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 132.75 Mbit/s
95th percentile per-packet one-way delay: 97.238 ms
Loss rate: 0.61%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-05-24 12:00:16

End at: 2018-05-24 12:00:46

Local clock offset: 0.077 ms

Remote clock offset: 0.065 ms

Below is generated by plot.py at 2018-05-24 15:47:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.04 Mbit/s

95th percentile per-packet one-way delay: 88.240 ms

Loss rate: 0.63%

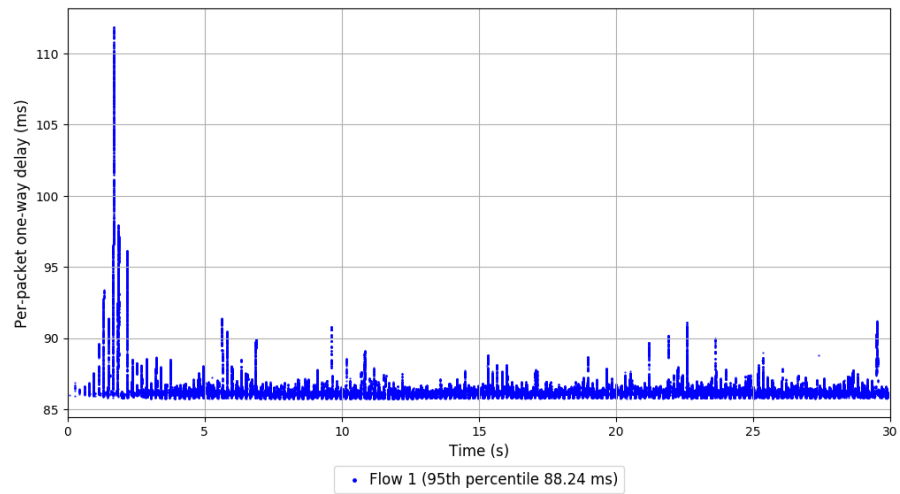
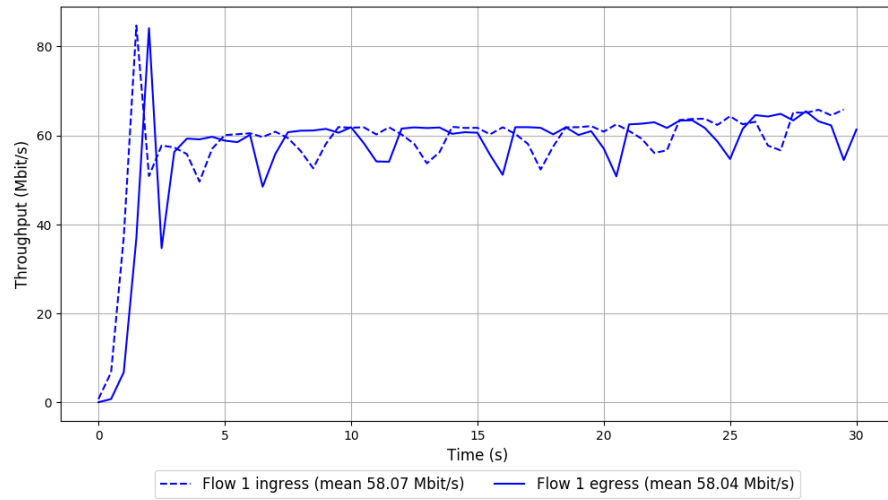
-- Flow 1:

Average throughput: 58.04 Mbit/s

95th percentile per-packet one-way delay: 88.240 ms

Loss rate: 0.63%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-05-24 12:20:53

End at: 2018-05-24 12:21:23

Local clock offset: -0.364 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-05-24 15:47:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 125.20 Mbit/s

95th percentile per-packet one-way delay: 98.330 ms

Loss rate: 0.21%

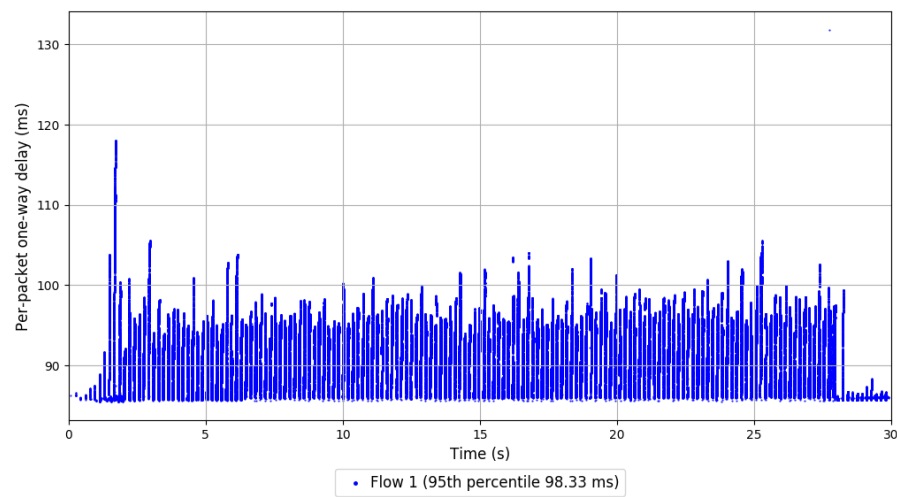
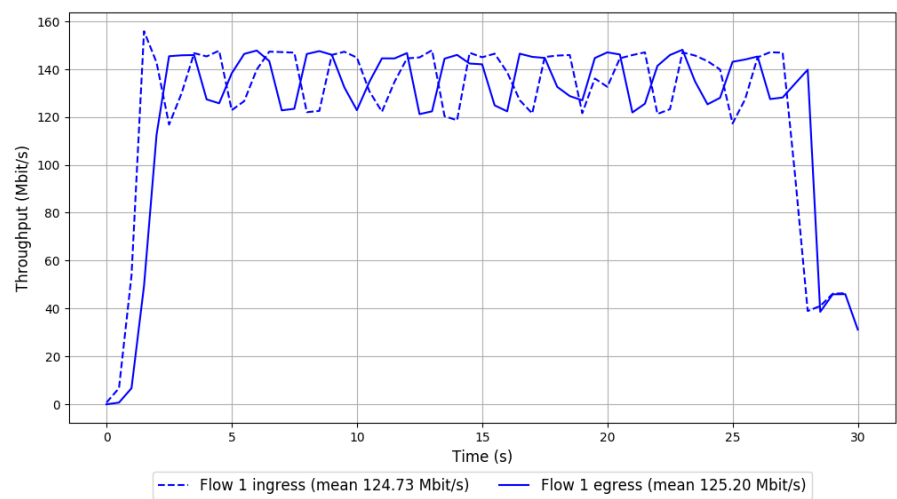
-- Flow 1:

Average throughput: 125.20 Mbit/s

95th percentile per-packet one-way delay: 98.330 ms

Loss rate: 0.21%

Run 4: Report of TCP Vegas — Data Link

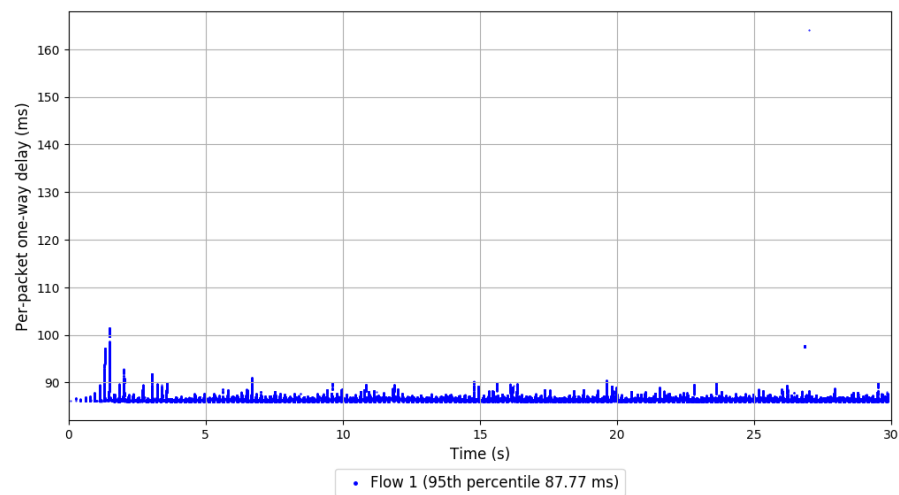
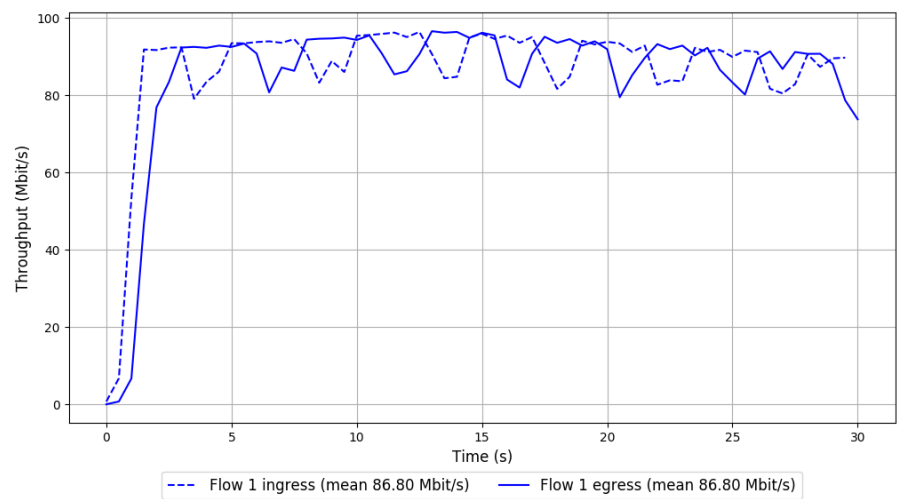


Run 5: Statistics of TCP Vegas

Start at: 2018-05-24 12:41:12
End at: 2018-05-24 12:41:42
Local clock offset: 0.148 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-05-24 15:47:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.80 Mbit/s
95th percentile per-packet one-way delay: 87.767 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 86.80 Mbit/s
95th percentile per-packet one-way delay: 87.767 ms
Loss rate: 0.57%

Run 5: Report of TCP Vegas — Data Link

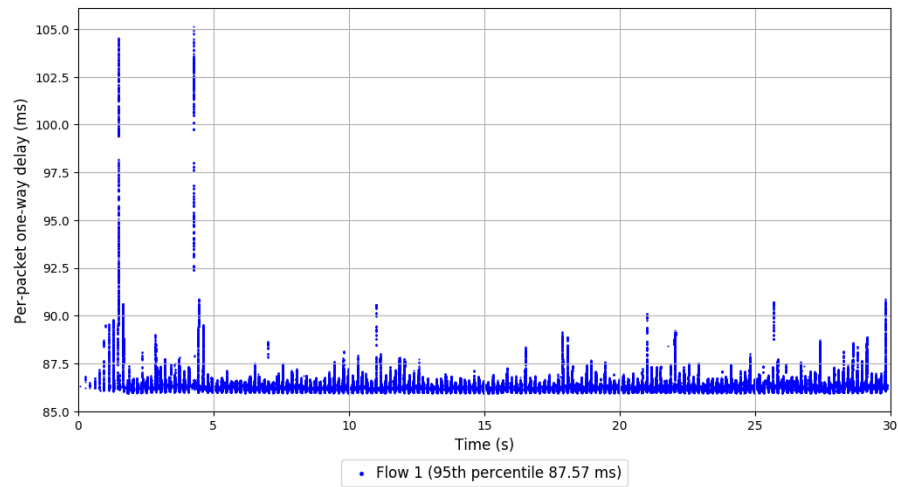
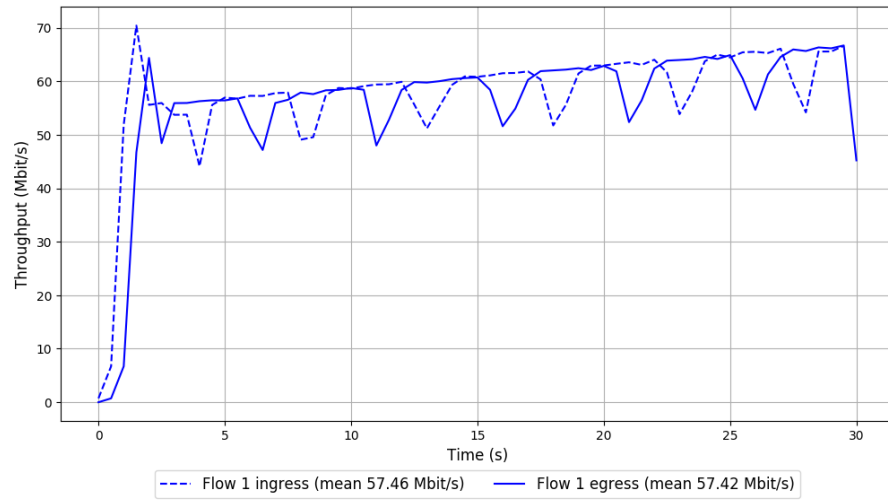


Run 6: Statistics of TCP Vegas

Start at: 2018-05-24 13:01:47
End at: 2018-05-24 13:02:17
Local clock offset: 0.142 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-05-24 15:47:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.42 Mbit/s
95th percentile per-packet one-way delay: 87.571 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 57.42 Mbit/s
95th percentile per-packet one-way delay: 87.571 ms
Loss rate: 0.65%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-05-24 13:22:33

End at: 2018-05-24 13:23:03

Local clock offset: 3.234 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-05-24 15:47:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.42 Mbit/s

95th percentile per-packet one-way delay: 99.084 ms

Loss rate: 0.44%

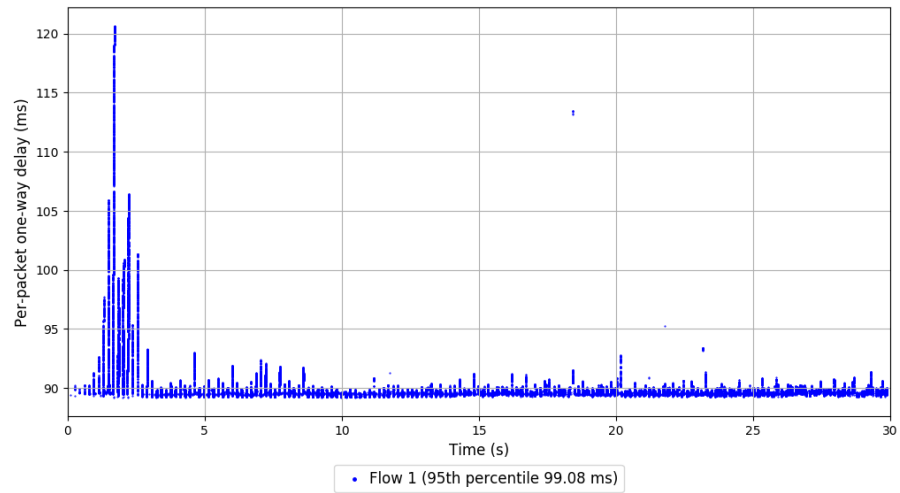
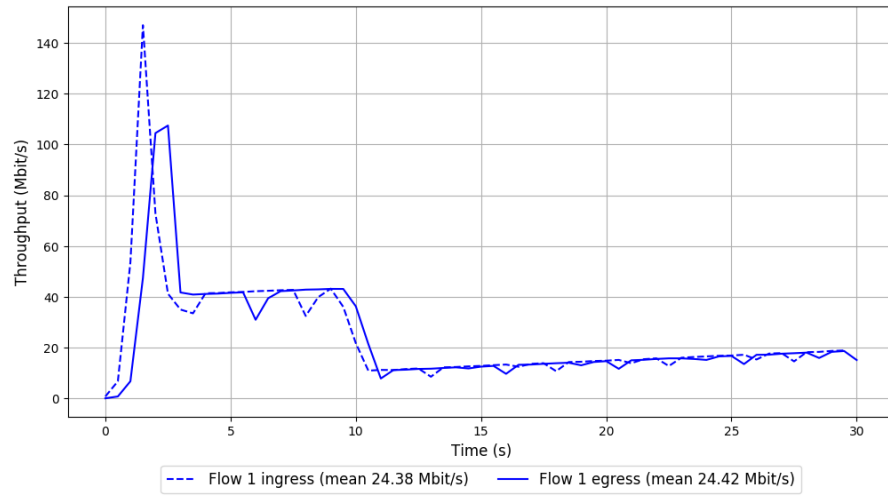
-- Flow 1:

Average throughput: 24.42 Mbit/s

95th percentile per-packet one-way delay: 99.084 ms

Loss rate: 0.44%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-05-24 13:42:58

End at: 2018-05-24 13:43:28

Local clock offset: -0.111 ms

Remote clock offset: 0.086 ms

Below is generated by plot.py at 2018-05-24 15:47:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.28 Mbit/s

95th percentile per-packet one-way delay: 94.890 ms

Loss rate: 0.41%

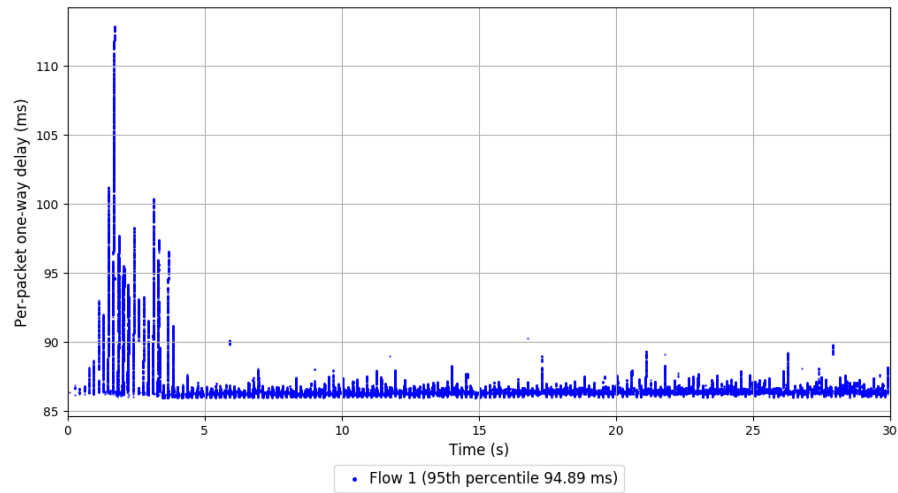
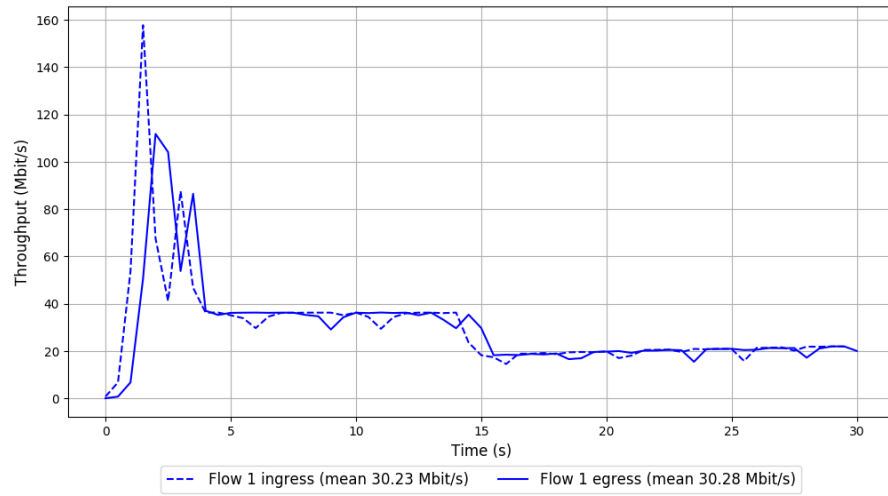
-- Flow 1:

Average throughput: 30.28 Mbit/s

95th percentile per-packet one-way delay: 94.890 ms

Loss rate: 0.41%

Run 8: Report of TCP Vegas — Data Link

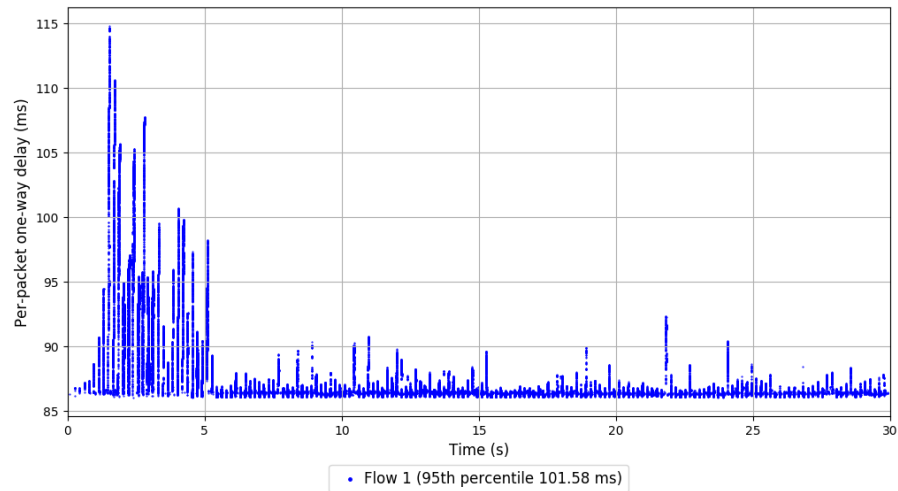
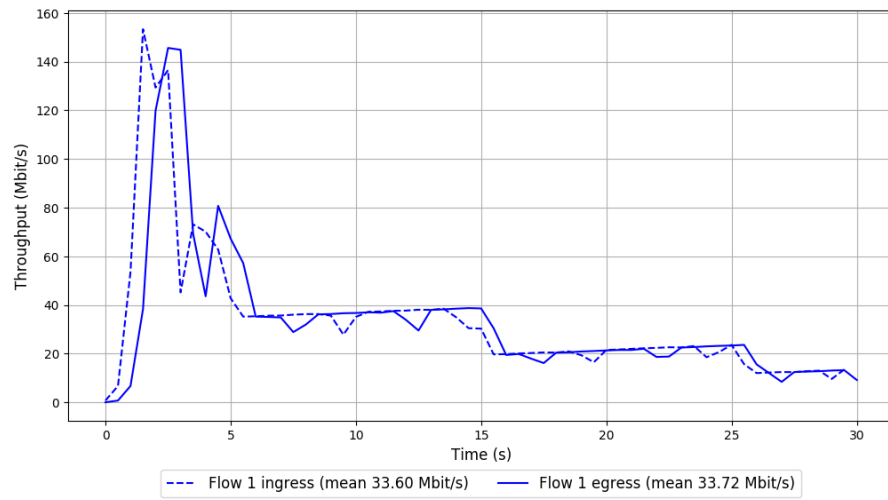


Run 9: Statistics of TCP Vegas

Start at: 2018-05-24 14:03:17
End at: 2018-05-24 14:03:47
Local clock offset: 0.007 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-05-24 15:47:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.72 Mbit/s
95th percentile per-packet one-way delay: 101.577 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 33.72 Mbit/s
95th percentile per-packet one-way delay: 101.577 ms
Loss rate: 0.23%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-05-24 14:23:55

End at: 2018-05-24 14:24:25

Local clock offset: -0.426 ms

Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-05-24 15:47:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.41 Mbit/s

95th percentile per-packet one-way delay: 96.382 ms

Loss rate: 0.40%

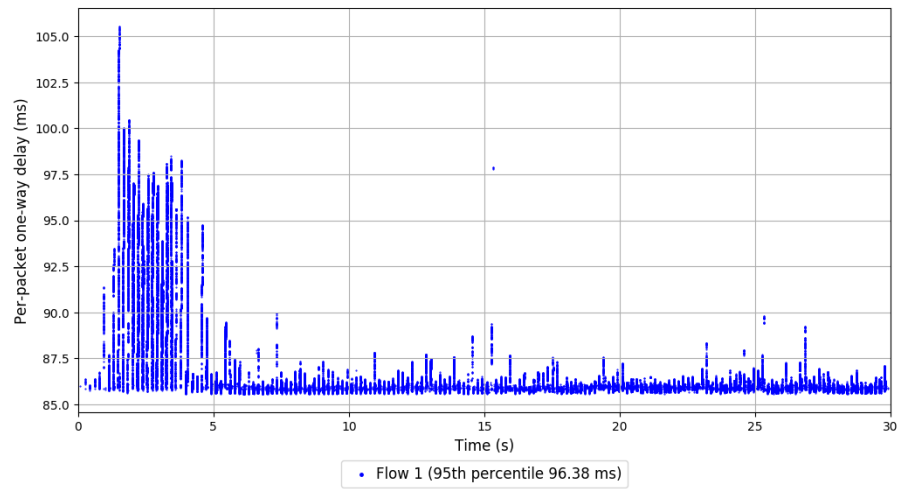
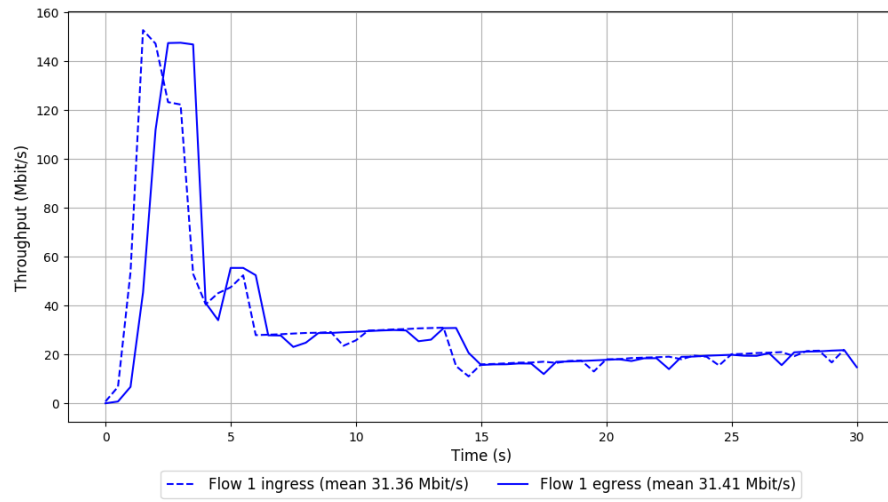
-- Flow 1:

Average throughput: 31.41 Mbit/s

95th percentile per-packet one-way delay: 96.382 ms

Loss rate: 0.40%

Run 10: Report of TCP Vegas — Data Link

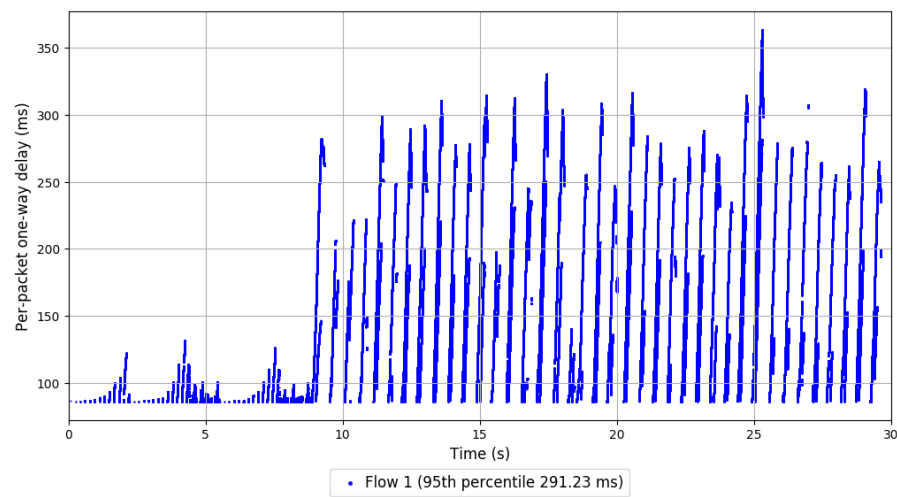
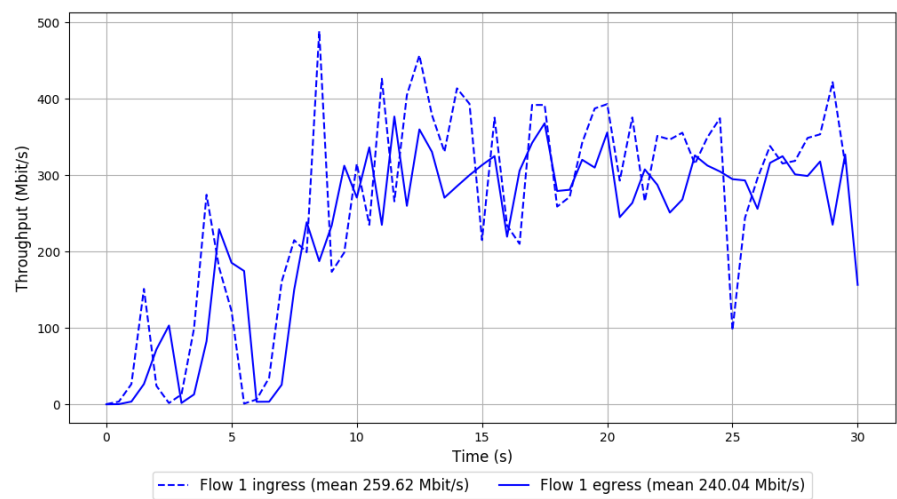


Run 1: Statistics of Verus

Start at: 2018-05-24 11:12:06
End at: 2018-05-24 11:12:36
Local clock offset: 0.041 ms
Remote clock offset: -0.173 ms

Below is generated by plot.py at 2018-05-24 15:47:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 240.04 Mbit/s
95th percentile per-packet one-way delay: 291.226 ms
Loss rate: 8.75%
-- Flow 1:
Average throughput: 240.04 Mbit/s
95th percentile per-packet one-way delay: 291.226 ms
Loss rate: 8.75%

Run 1: Report of Verus — Data Link

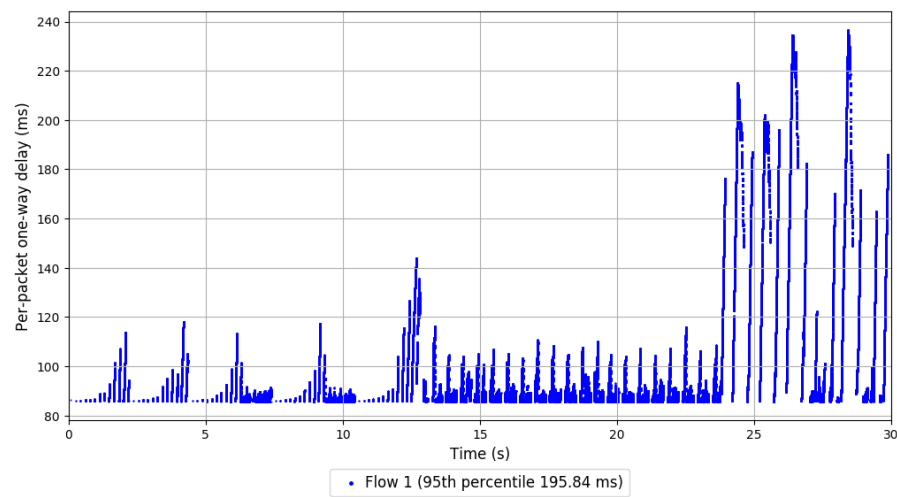
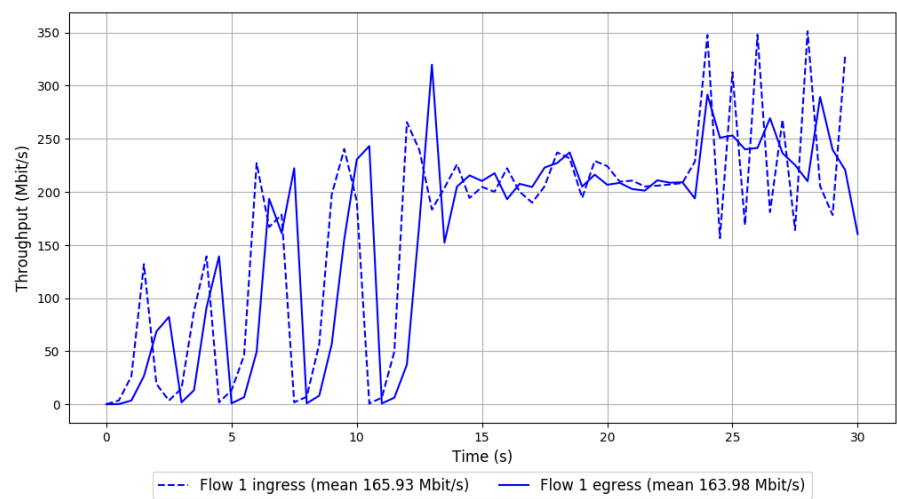


Run 2: Statistics of Verus

Start at: 2018-05-24 11:32:25
End at: 2018-05-24 11:32:55
Local clock offset: -0.215 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-05-24 15:47:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 163.98 Mbit/s
95th percentile per-packet one-way delay: 195.839 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 163.98 Mbit/s
95th percentile per-packet one-way delay: 195.839 ms
Loss rate: 1.74%

Run 2: Report of Verus — Data Link

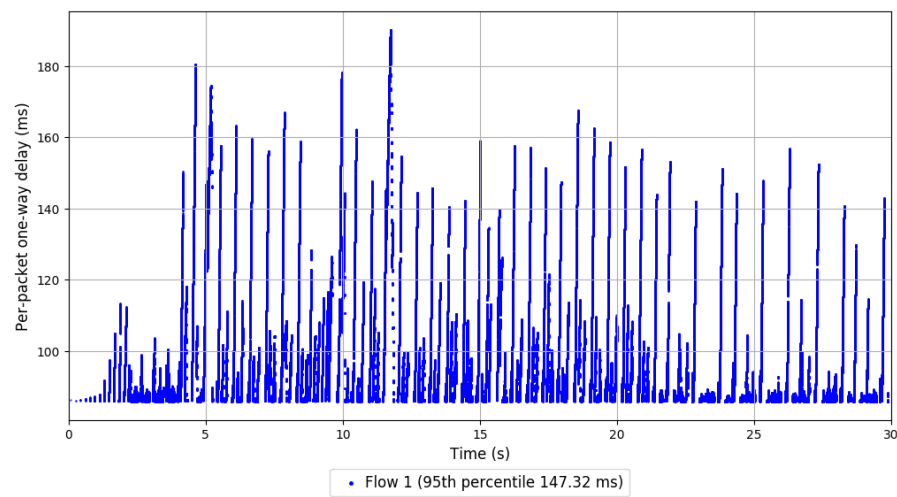
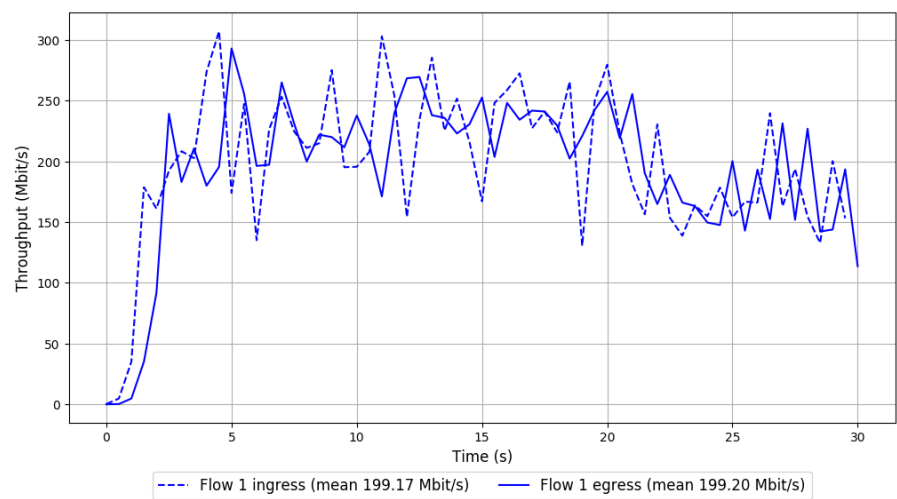


Run 3: Statistics of Verus

Start at: 2018-05-24 11:52:56
End at: 2018-05-24 11:53:26
Local clock offset: 0.05 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-05-24 15:47:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 199.20 Mbit/s
95th percentile per-packet one-way delay: 147.317 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 199.20 Mbit/s
95th percentile per-packet one-way delay: 147.317 ms
Loss rate: 0.40%

Run 3: Report of Verus — Data Link

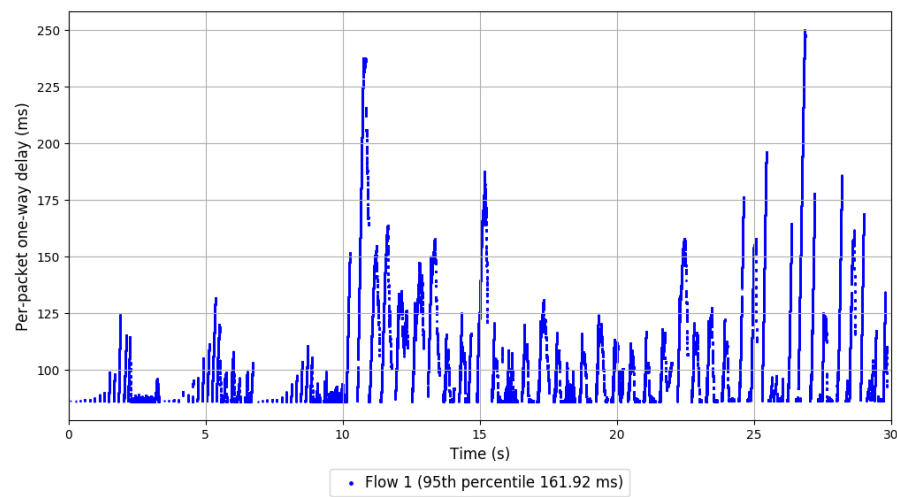
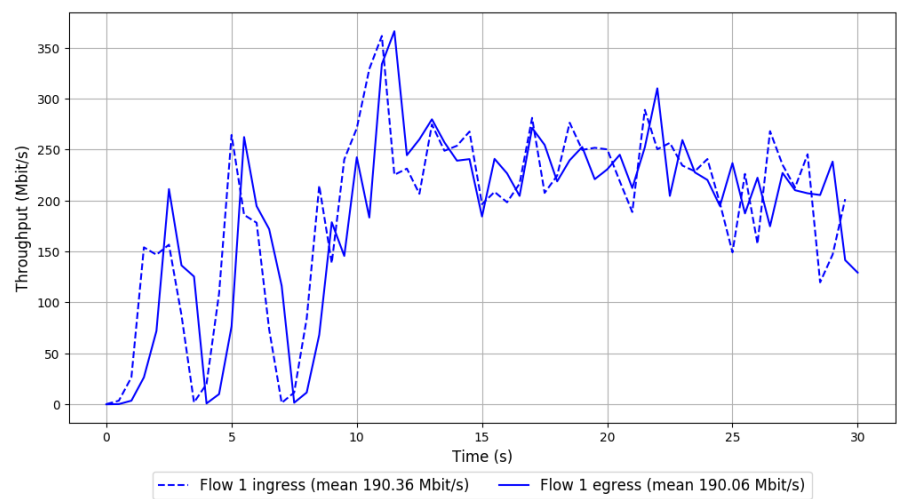


Run 4: Statistics of Verus

Start at: 2018-05-24 12:13:35
End at: 2018-05-24 12:14:05
Local clock offset: -0.181 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-05-24 15:47:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 190.06 Mbit/s
95th percentile per-packet one-way delay: 161.916 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 190.06 Mbit/s
95th percentile per-packet one-way delay: 161.916 ms
Loss rate: 0.74%

Run 4: Report of Verus — Data Link

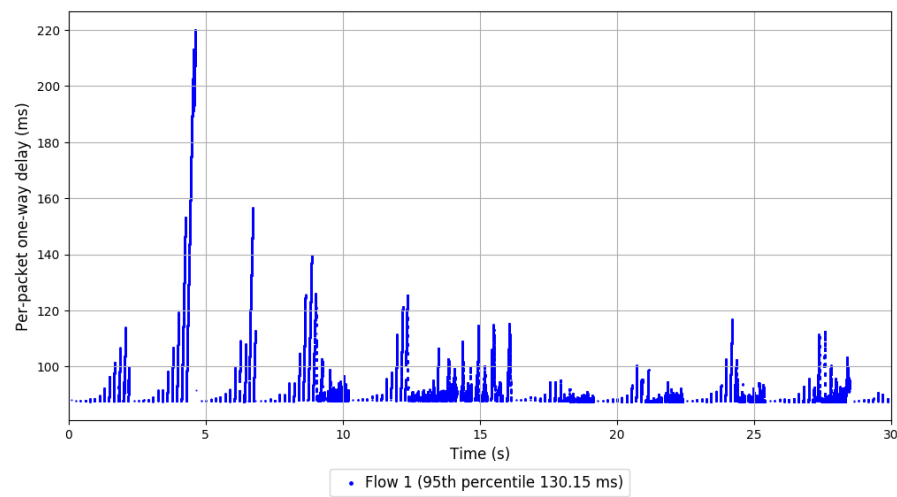
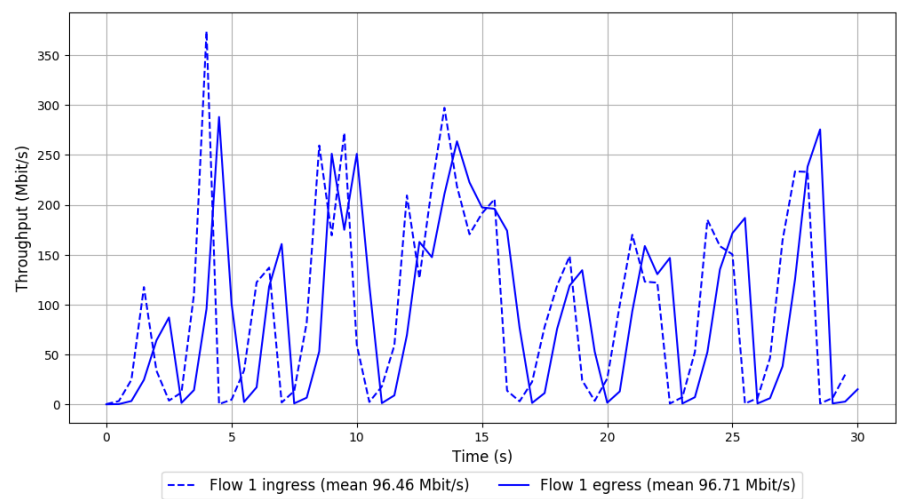


Run 5: Statistics of Verus

Start at: 2018-05-24 12:34:01
End at: 2018-05-24 12:34:31
Local clock offset: 1.652 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-05-24 15:47:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.71 Mbit/s
95th percentile per-packet one-way delay: 130.149 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 96.71 Mbit/s
95th percentile per-packet one-way delay: 130.149 ms
Loss rate: 0.32%

Run 5: Report of Verus — Data Link

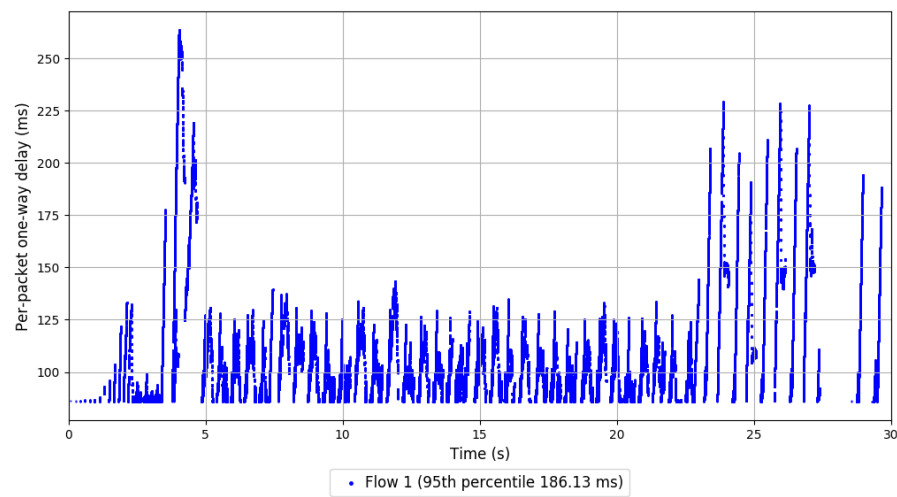
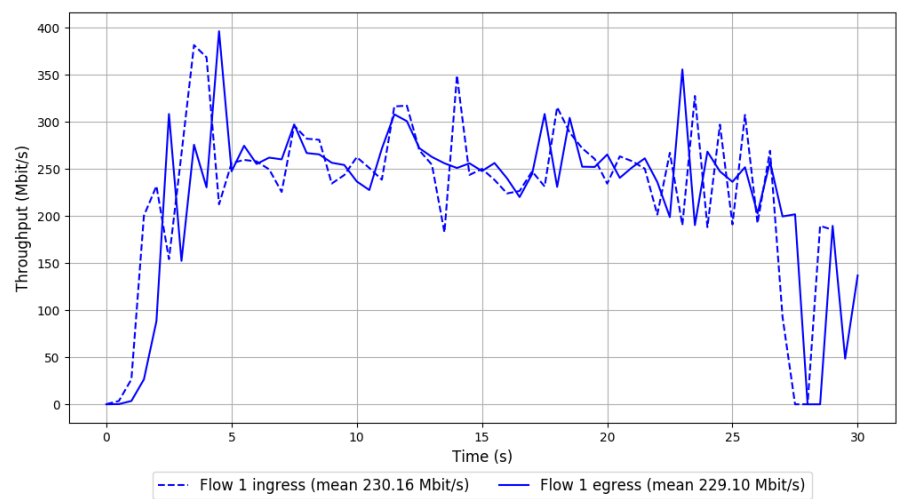


Run 6: Statistics of Verus

Start at: 2018-05-24 12:54:20
End at: 2018-05-24 12:54:50
Local clock offset: -0.045 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-05-24 15:48:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 229.10 Mbit/s
95th percentile per-packet one-way delay: 186.131 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 229.10 Mbit/s
95th percentile per-packet one-way delay: 186.131 ms
Loss rate: 0.12%

Run 6: Report of Verus — Data Link

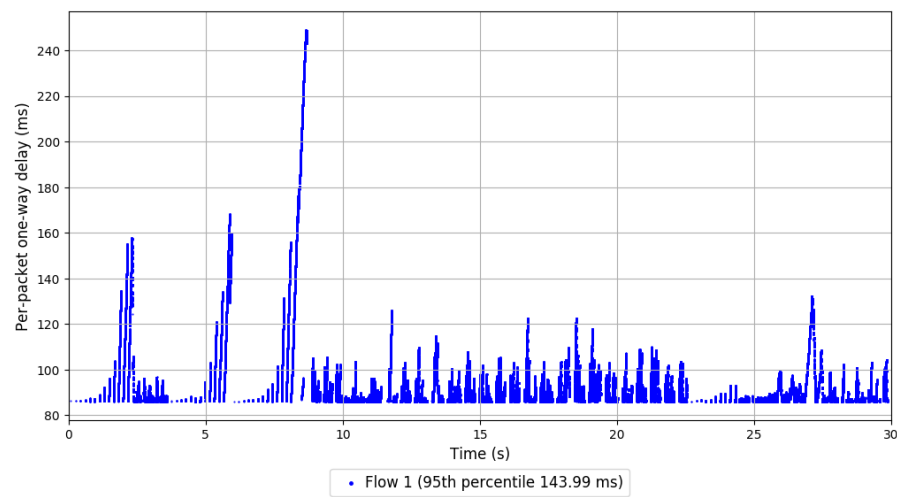
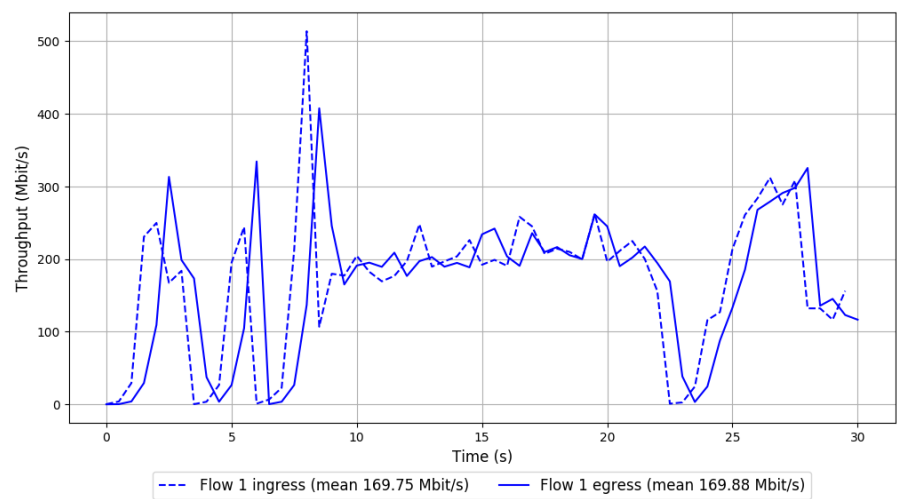


Run 7: Statistics of Verus

Start at: 2018-05-24 13:15:08
End at: 2018-05-24 13:15:38
Local clock offset: 0.046 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-05-24 15:48:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 169.88 Mbit/s
95th percentile per-packet one-way delay: 143.991 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 169.88 Mbit/s
95th percentile per-packet one-way delay: 143.991 ms
Loss rate: 0.51%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-05-24 13:35:35

End at: 2018-05-24 13:36:05

Local clock offset: 1.402 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at 2018-05-24 15:49:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 193.91 Mbit/s

95th percentile per-packet one-way delay: 135.618 ms

Loss rate: 1.96%

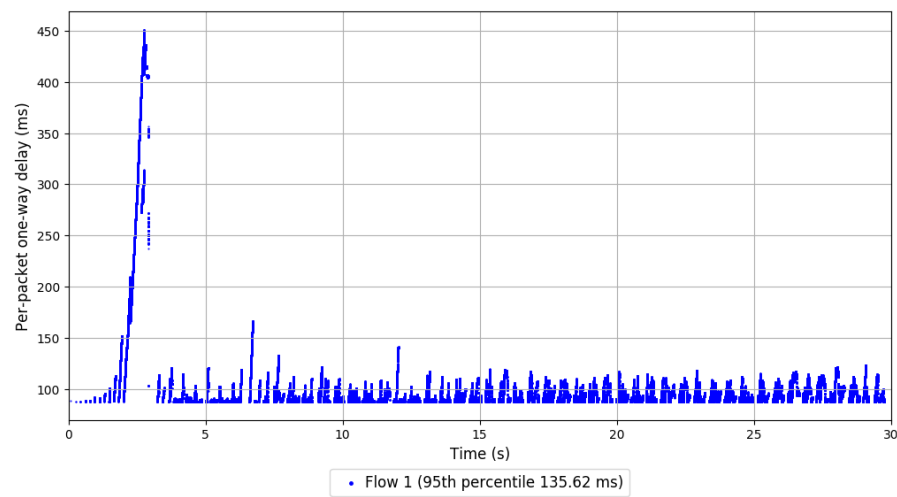
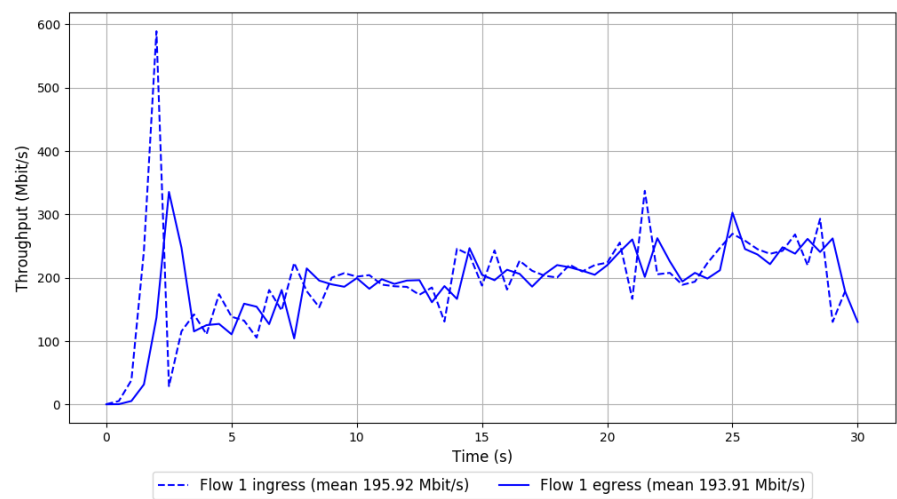
-- Flow 1:

Average throughput: 193.91 Mbit/s

95th percentile per-packet one-way delay: 135.618 ms

Loss rate: 1.96%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-05-24 13:55:56

End at: 2018-05-24 13:56:26

Local clock offset: 1.473 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-05-24 15:50:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 207.80 Mbit/s

95th percentile per-packet one-way delay: 124.921 ms

Loss rate: 0.92%

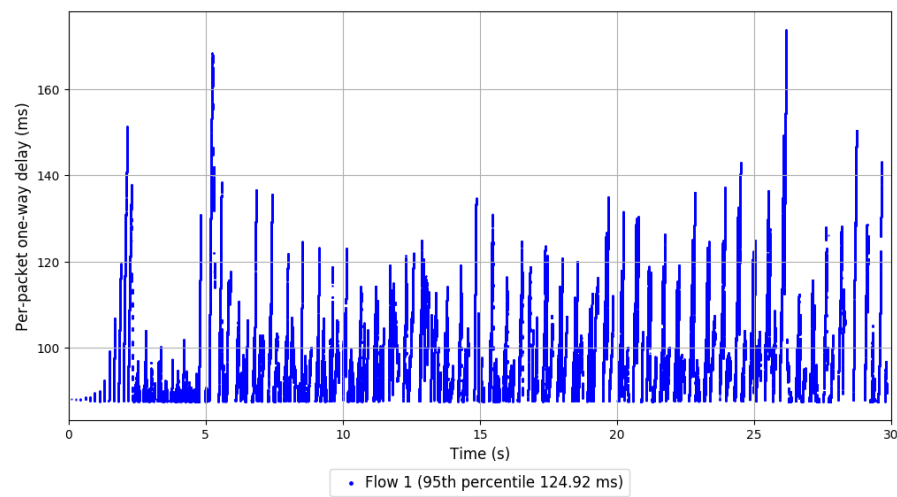
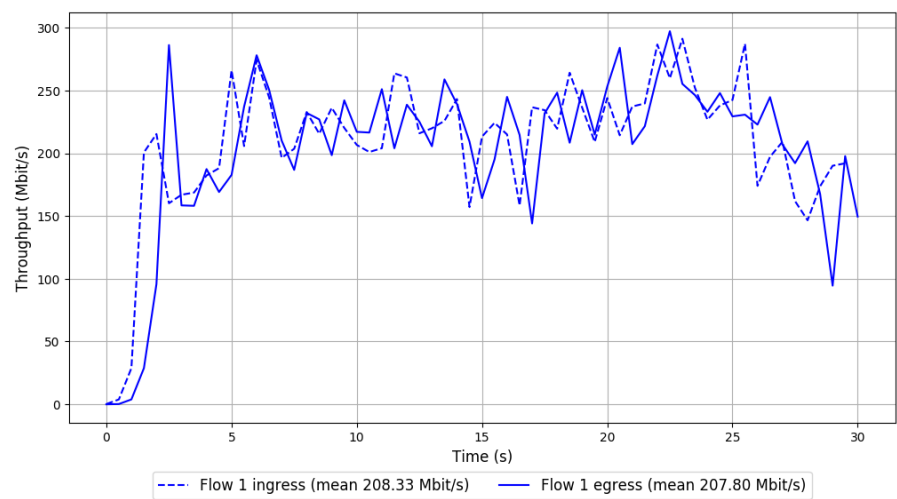
-- Flow 1:

Average throughput: 207.80 Mbit/s

95th percentile per-packet one-way delay: 124.921 ms

Loss rate: 0.92%

Run 9: Report of Verus — Data Link

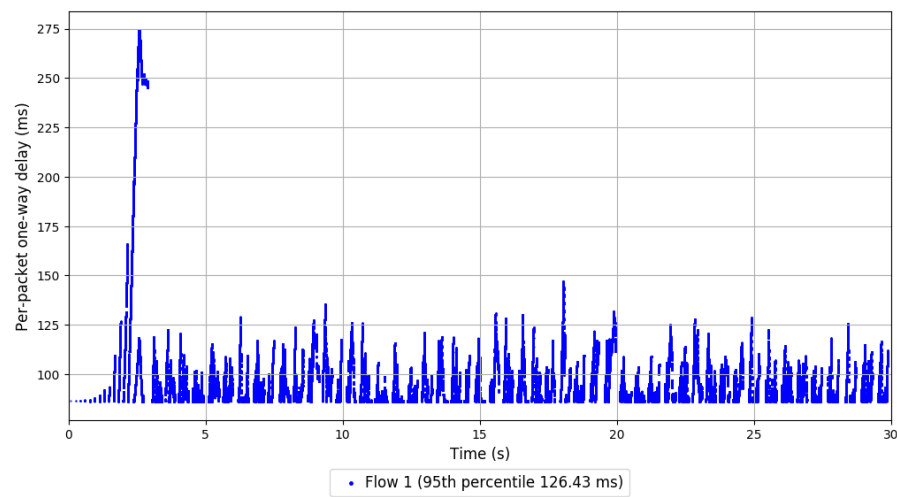
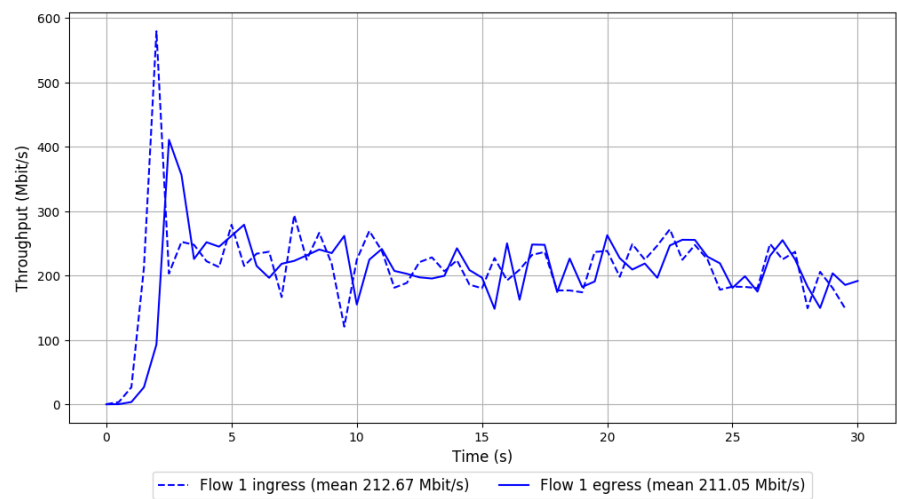


Run 10: Statistics of Verus

Start at: 2018-05-24 14:16:24
End at: 2018-05-24 14:16:54
Local clock offset: 0.022 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-05-24 15:50:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 211.05 Mbit/s
95th percentile per-packet one-way delay: 126.433 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 211.05 Mbit/s
95th percentile per-packet one-way delay: 126.433 ms
Loss rate: 0.75%

Run 10: Report of Verus — Data Link

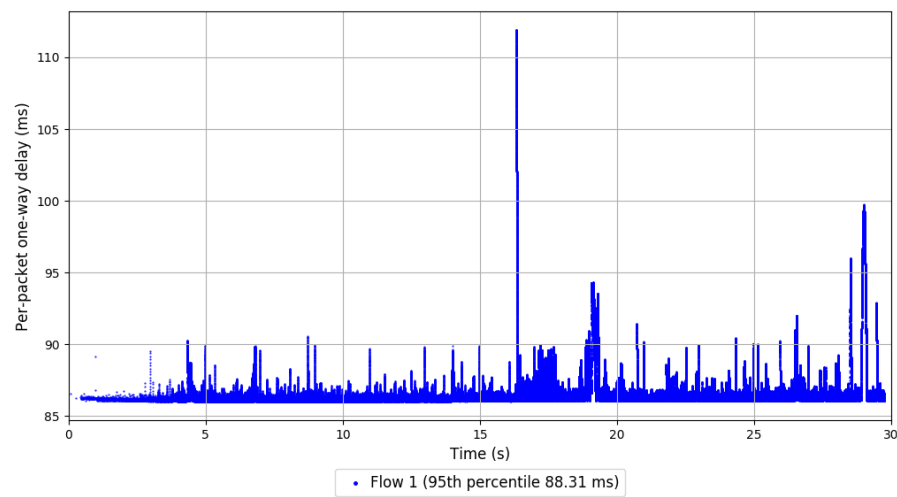
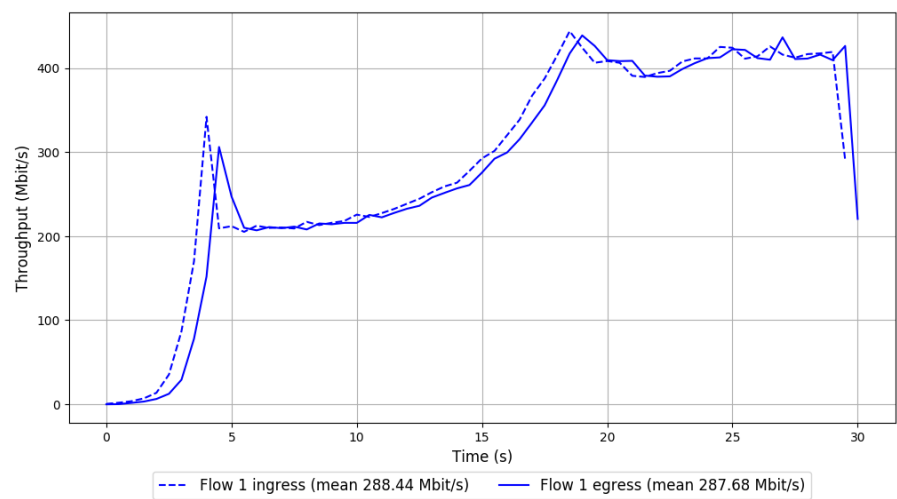


Run 1: Statistics of PCC-Vivace

Start at: 2018-05-24 11:25:35
End at: 2018-05-24 11:26:05
Local clock offset: -0.028 ms
Remote clock offset: -0.169 ms

Below is generated by plot.py at 2018-05-24 15:52:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 287.68 Mbit/s
95th percentile per-packet one-way delay: 88.314 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 287.68 Mbit/s
95th percentile per-packet one-way delay: 88.314 ms
Loss rate: 0.84%

Run 1: Report of PCC-Vivace — Data Link

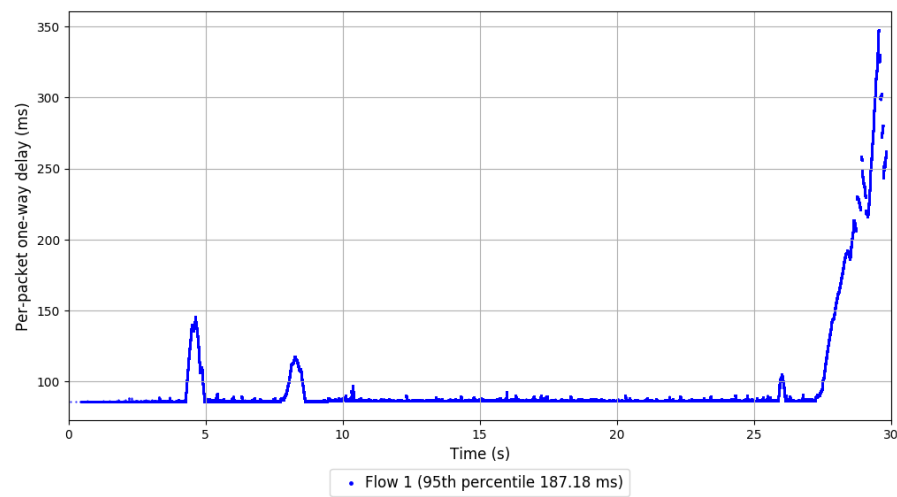
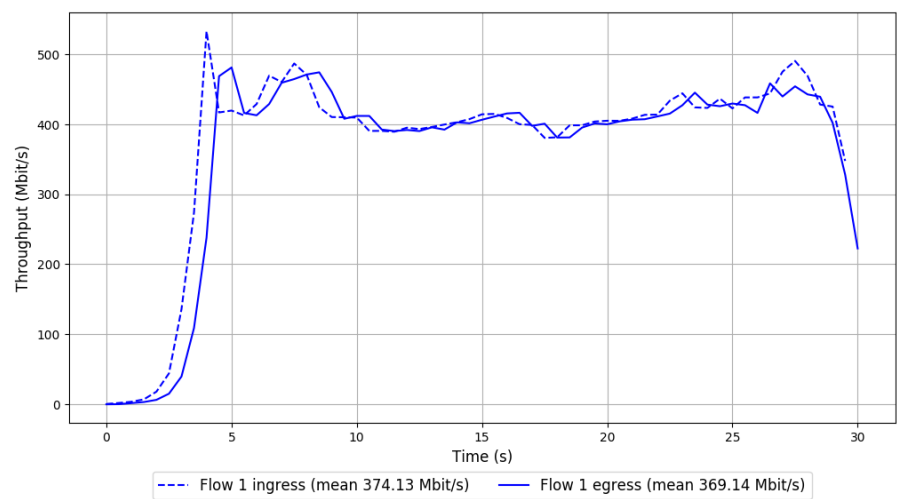


Run 2: Statistics of PCC-Vivace

Start at: 2018-05-24 11:46:00
End at: 2018-05-24 11:46:30
Local clock offset: 0.152 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-05-24 15:54:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 369.14 Mbit/s
95th percentile per-packet one-way delay: 187.181 ms
Loss rate: 1.91%
-- Flow 1:
Average throughput: 369.14 Mbit/s
95th percentile per-packet one-way delay: 187.181 ms
Loss rate: 1.91%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-05-24 12:06:38

End at: 2018-05-24 12:07:09

Local clock offset: 0.066 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-05-24 15:54:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 351.17 Mbit/s

95th percentile per-packet one-way delay: 88.482 ms

Loss rate: 0.74%

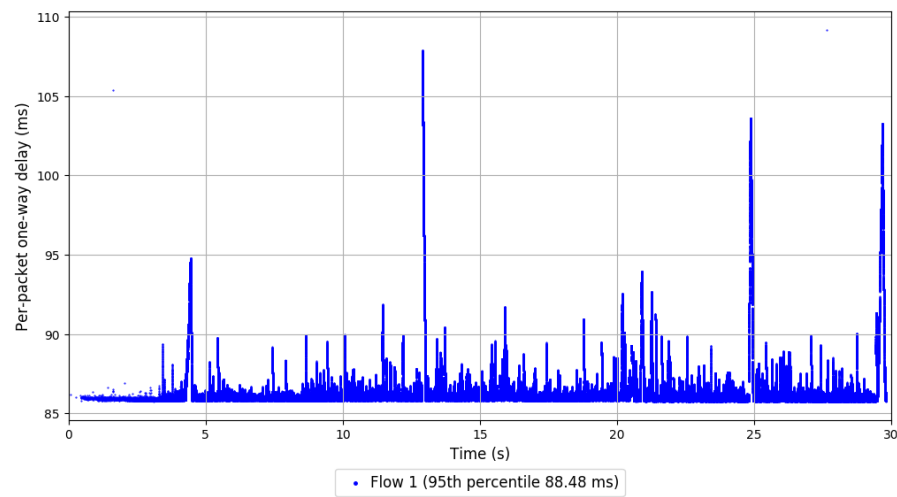
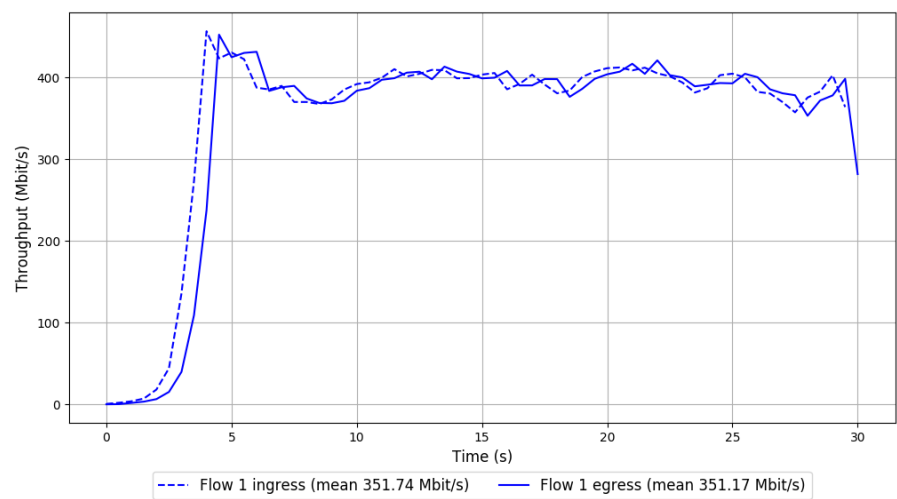
-- Flow 1:

Average throughput: 351.17 Mbit/s

95th percentile per-packet one-way delay: 88.482 ms

Loss rate: 0.74%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-05-24 12:27:16

End at: 2018-05-24 12:27:46

Local clock offset: 0.082 ms

Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-05-24 15:54:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 261.75 Mbit/s

95th percentile per-packet one-way delay: 86.963 ms

Loss rate: 0.96%

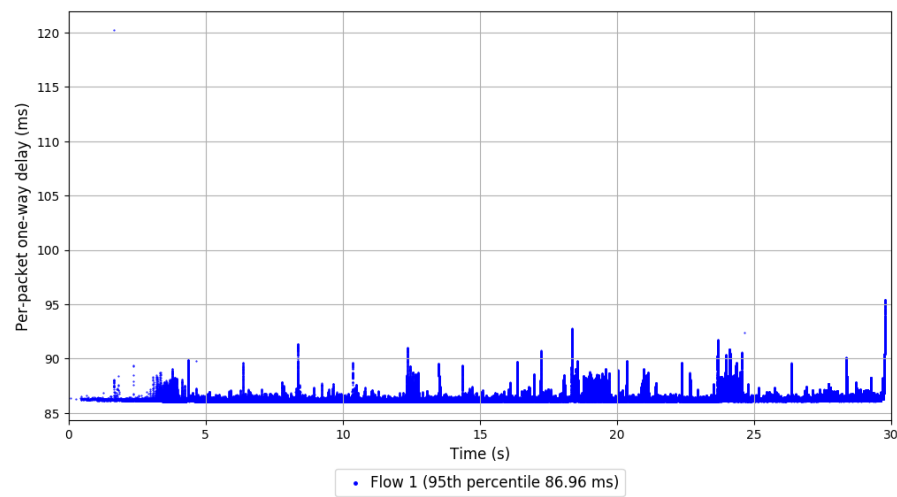
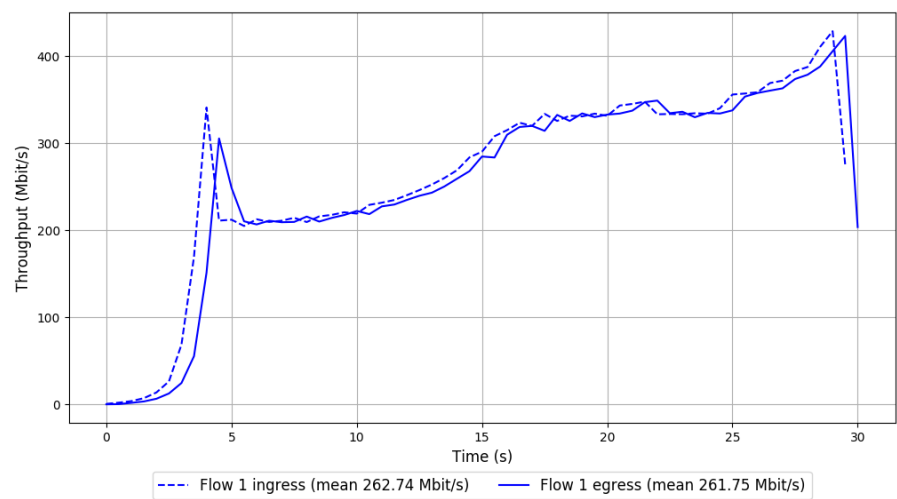
-- Flow 1:

Average throughput: 261.75 Mbit/s

95th percentile per-packet one-way delay: 86.963 ms

Loss rate: 0.96%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-05-24 12:47:33

End at: 2018-05-24 12:48:03

Local clock offset: 1.526 ms

Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-05-24 15:55:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 363.93 Mbit/s

95th percentile per-packet one-way delay: 88.618 ms

Loss rate: 0.64%

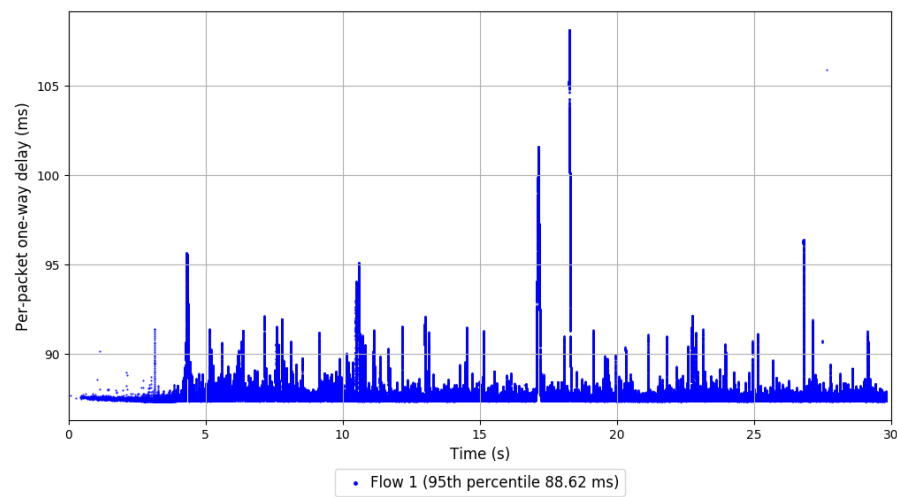
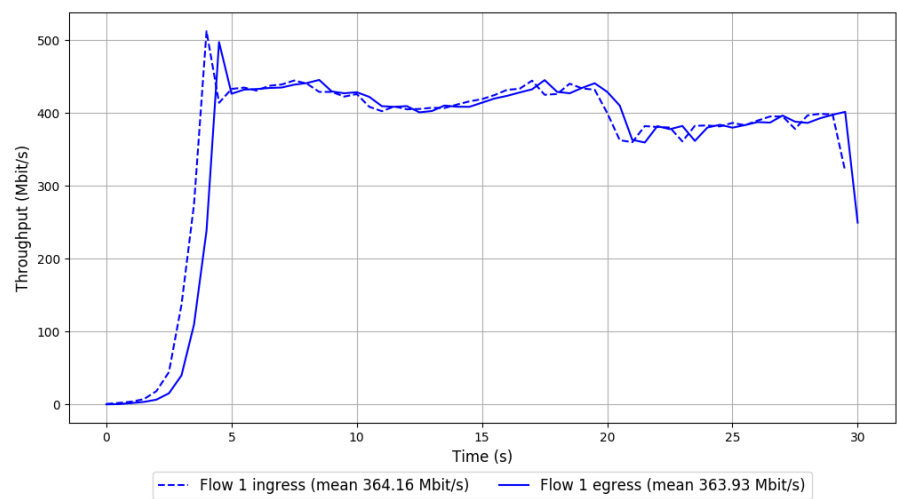
-- Flow 1:

Average throughput: 363.93 Mbit/s

95th percentile per-packet one-way delay: 88.618 ms

Loss rate: 0.64%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-05-24 13:08:07

End at: 2018-05-24 13:08:37

Local clock offset: 3.204 ms

Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-05-24 15:56:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 370.52 Mbit/s

95th percentile per-packet one-way delay: 92.684 ms

Loss rate: 0.60%

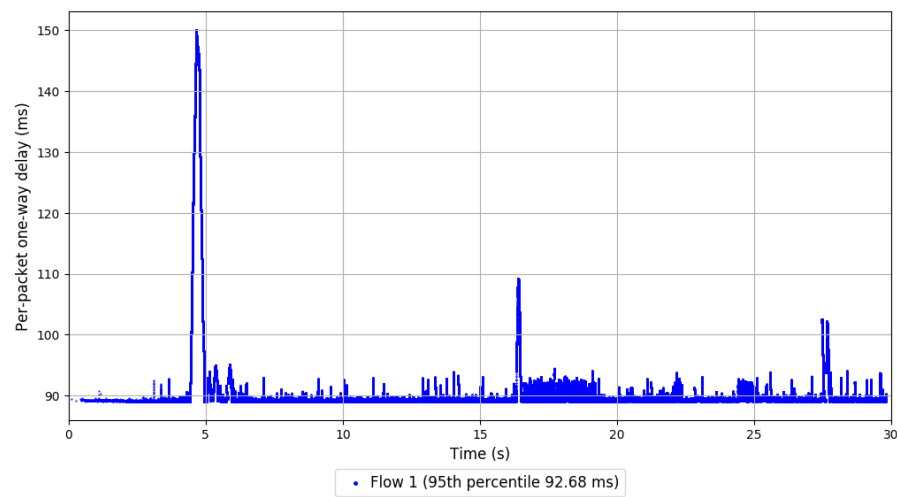
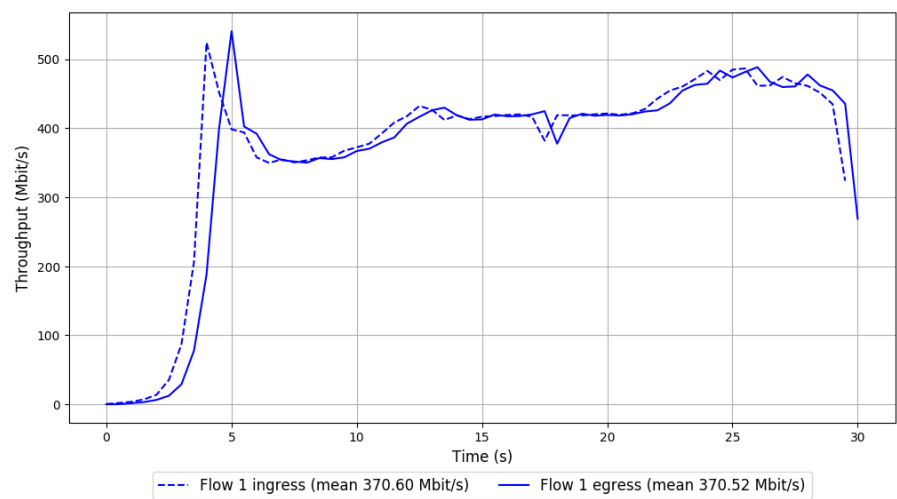
-- Flow 1:

Average throughput: 370.52 Mbit/s

95th percentile per-packet one-way delay: 92.684 ms

Loss rate: 0.60%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-05-24 13:28:44

End at: 2018-05-24 13:29:14

Local clock offset: -0.107 ms

Remote clock offset: 0.067 ms

Below is generated by plot.py at 2018-05-24 15:56:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 343.79 Mbit/s

95th percentile per-packet one-way delay: 87.472 ms

Loss rate: 0.69%

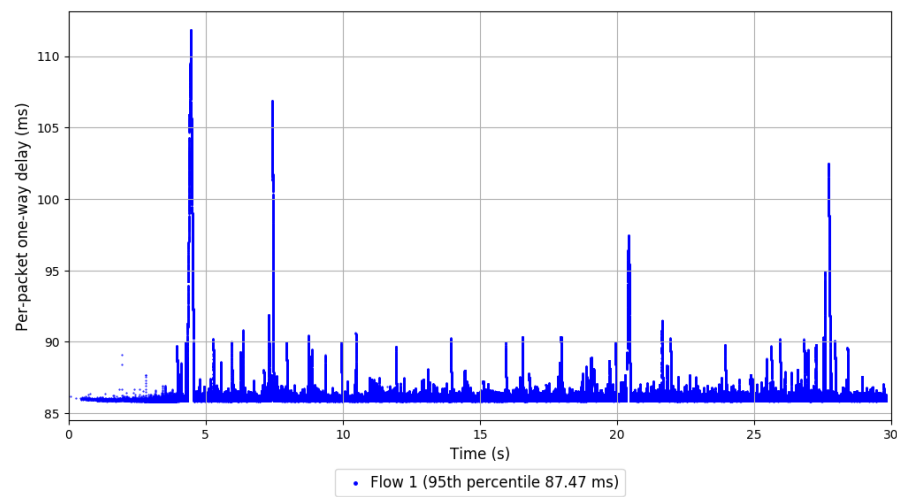
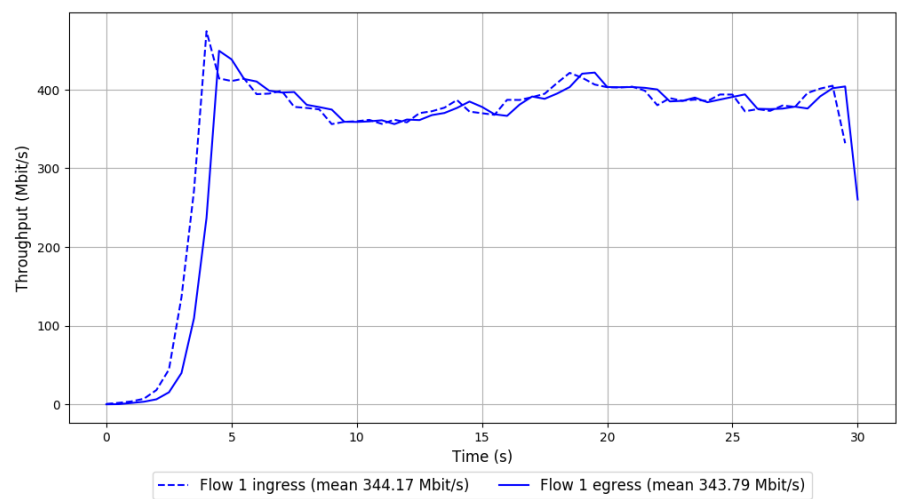
-- Flow 1:

Average throughput: 343.79 Mbit/s

95th percentile per-packet one-way delay: 87.472 ms

Loss rate: 0.69%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-05-24 13:49:14

End at: 2018-05-24 13:49:44

Local clock offset: -0.107 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-05-24 15:56:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 342.95 Mbit/s

95th percentile per-packet one-way delay: 100.483 ms

Loss rate: 0.63%

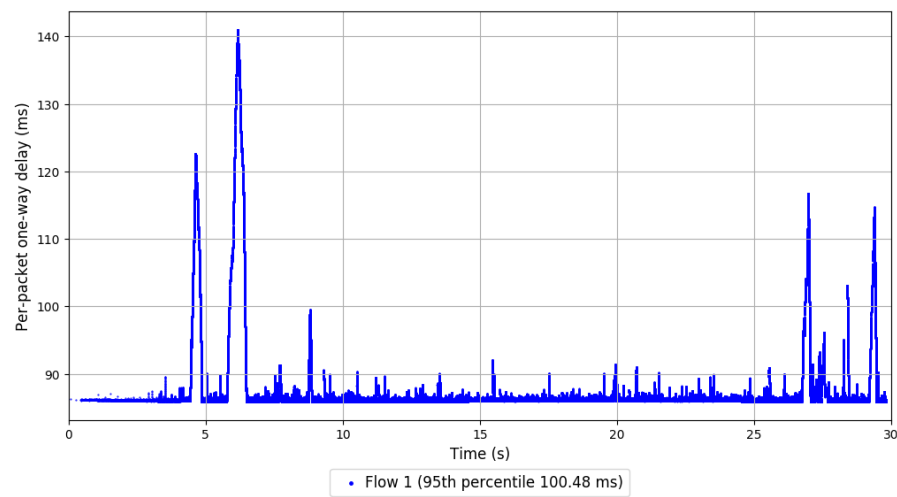
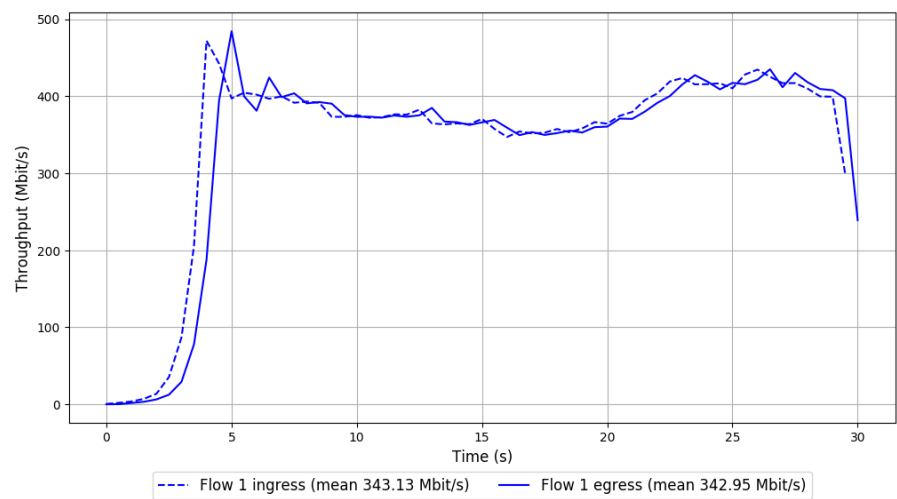
-- Flow 1:

Average throughput: 342.95 Mbit/s

95th percentile per-packet one-way delay: 100.483 ms

Loss rate: 0.63%

Run 8: Report of PCC-Vivace — Data Link

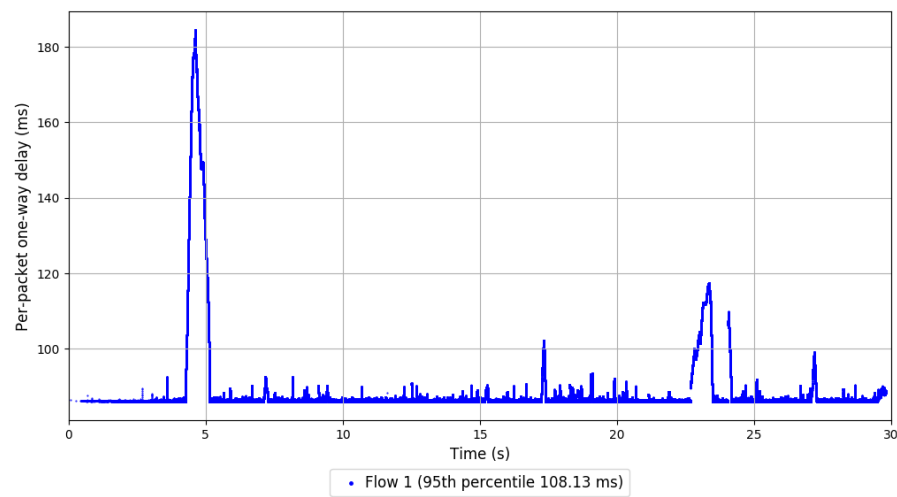
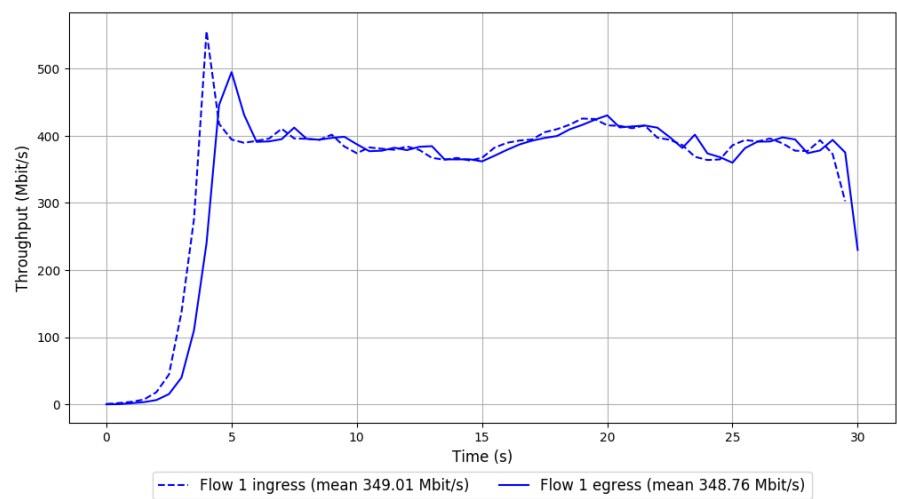


Run 9: Statistics of PCC-Vivace

Start at: 2018-05-24 14:09:27
End at: 2018-05-24 14:09:57
Local clock offset: -0.077 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-05-24 15:57:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 348.76 Mbit/s
95th percentile per-packet one-way delay: 108.132 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 348.76 Mbit/s
95th percentile per-packet one-way delay: 108.132 ms
Loss rate: 0.65%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-05-24 14:30:18

End at: 2018-05-24 14:30:48

Local clock offset: 1.6 ms

Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-05-24 15:57:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 345.05 Mbit/s

95th percentile per-packet one-way delay: 90.740 ms

Loss rate: 0.61%

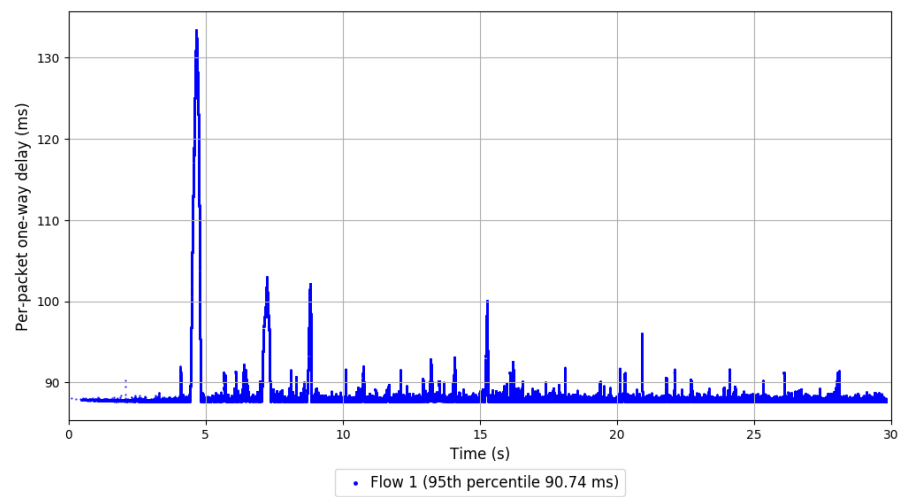
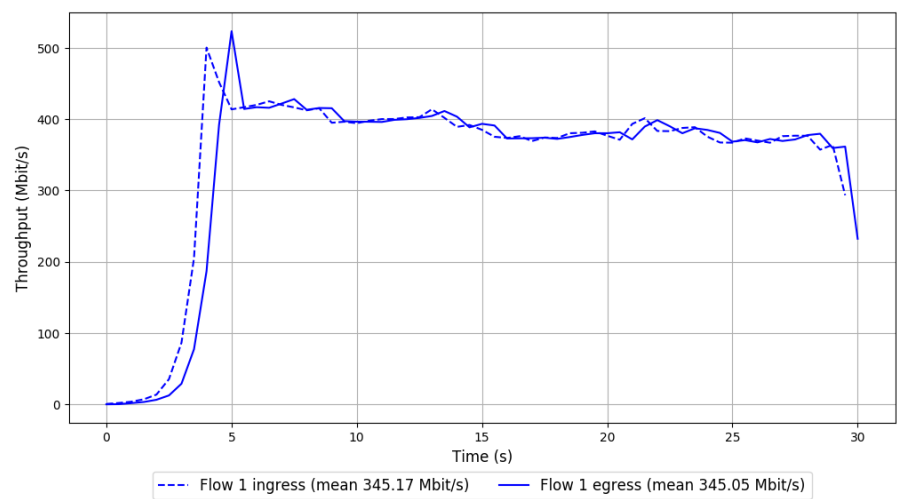
-- Flow 1:

Average throughput: 345.05 Mbit/s

95th percentile per-packet one-way delay: 90.740 ms

Loss rate: 0.61%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

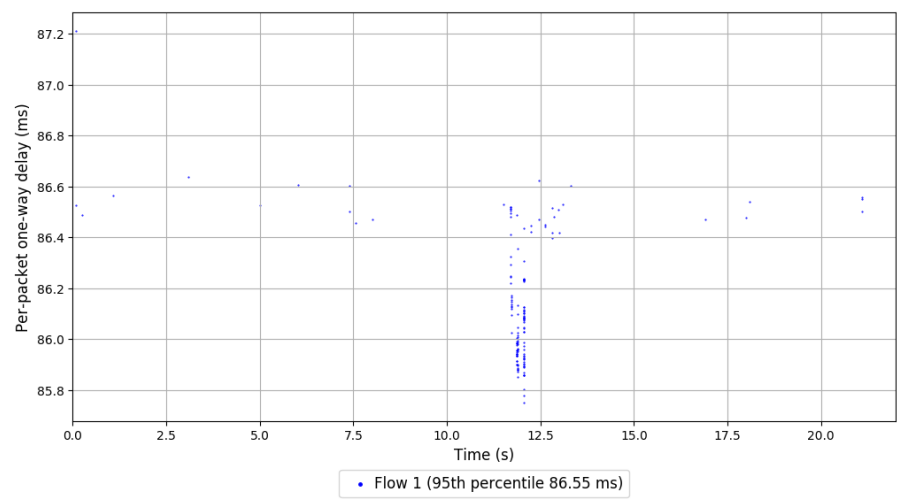
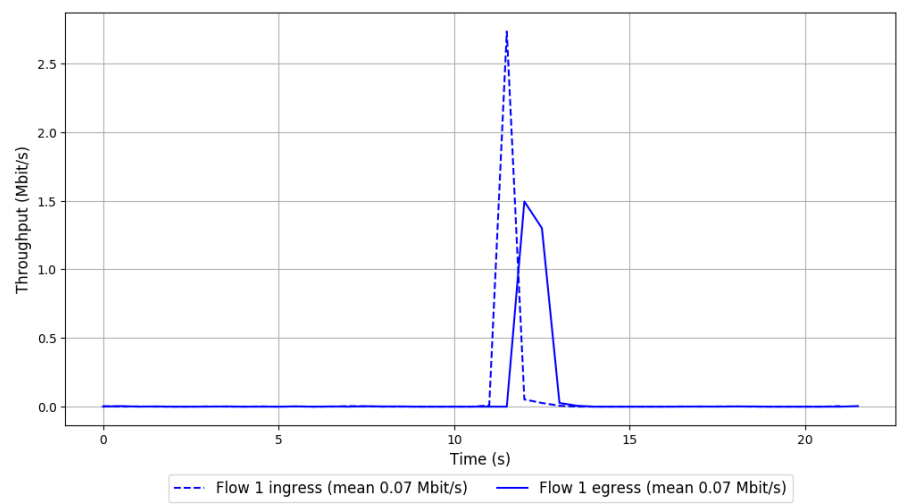
Start at: 2018-05-24 11:15:43

End at: 2018-05-24 11:16:13

Local clock offset: -0.138 ms

Remote clock offset: -0.153 ms

Run 1: Report of WebRTC media — Data Link

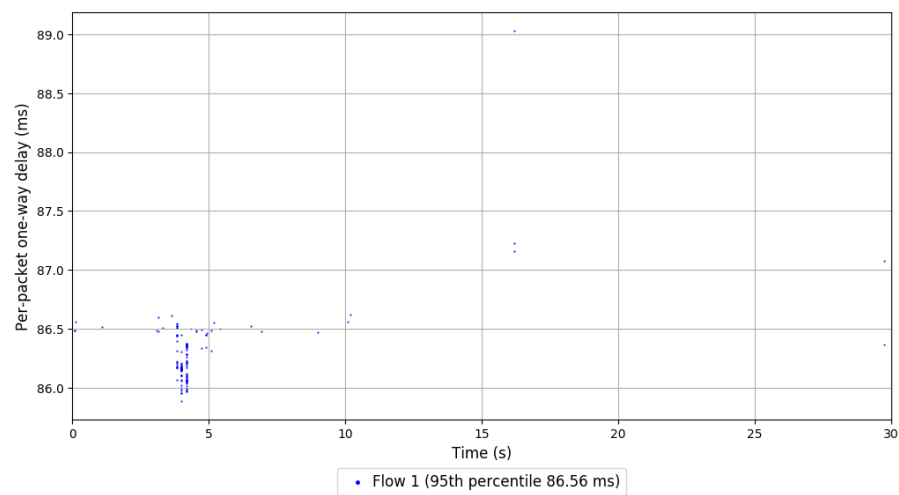
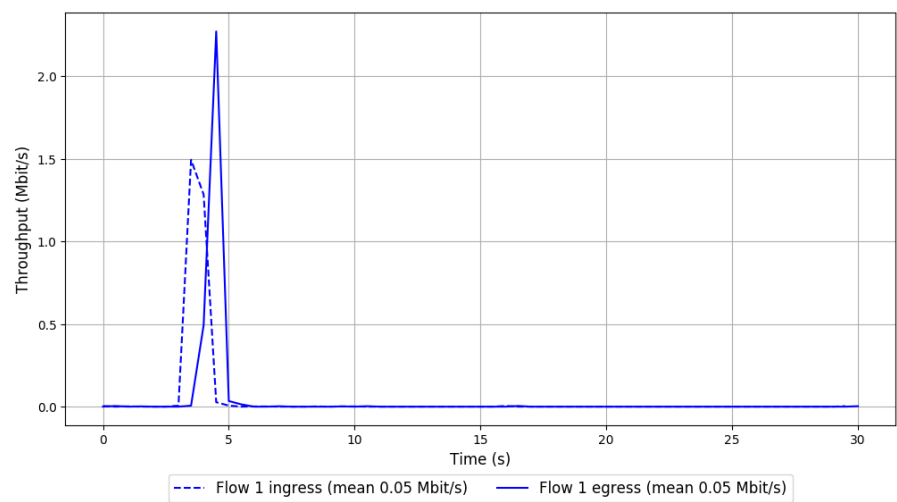


Run 2: Statistics of WebRTC media

Start at: 2018-05-24 11:36:02
End at: 2018-05-24 11:36:32
Local clock offset: 0.058 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-05-24 15:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.559 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.559 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

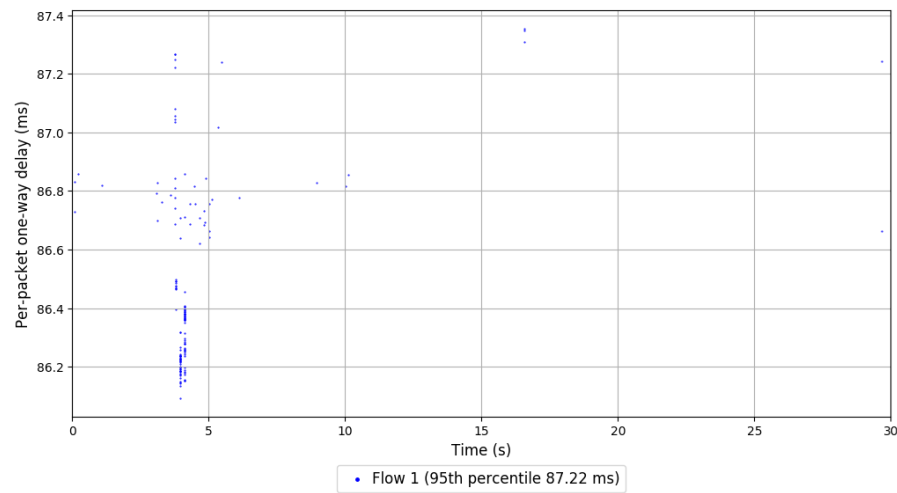
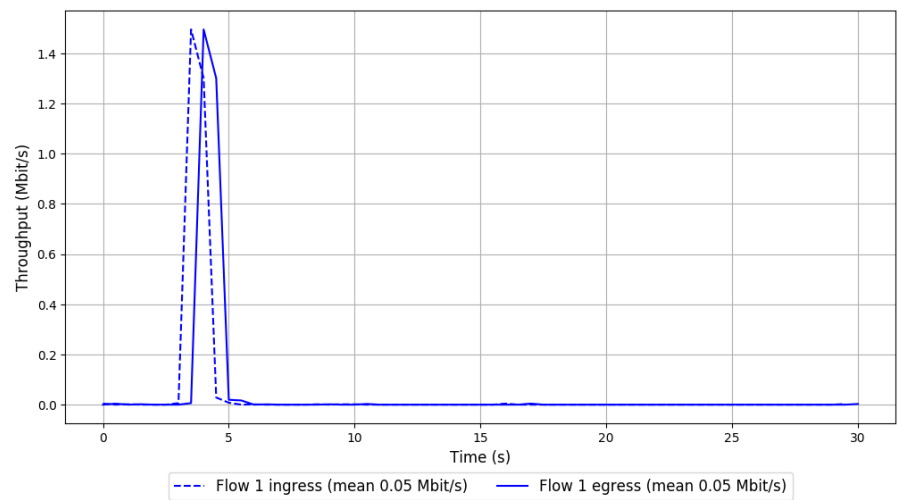


Run 3: Statistics of WebRTC media

Start at: 2018-05-24 11:56:35
End at: 2018-05-24 11:57:05
Local clock offset: 0.3 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-05-24 15:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 87.223 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 87.223 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

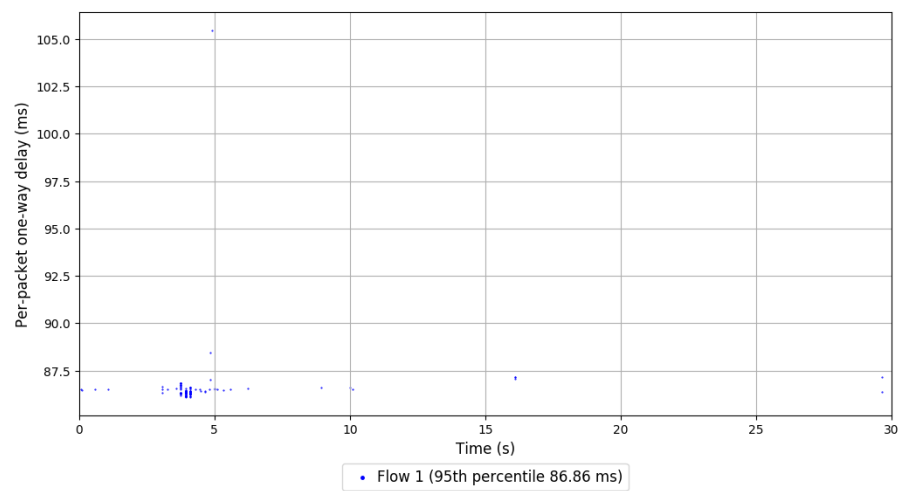
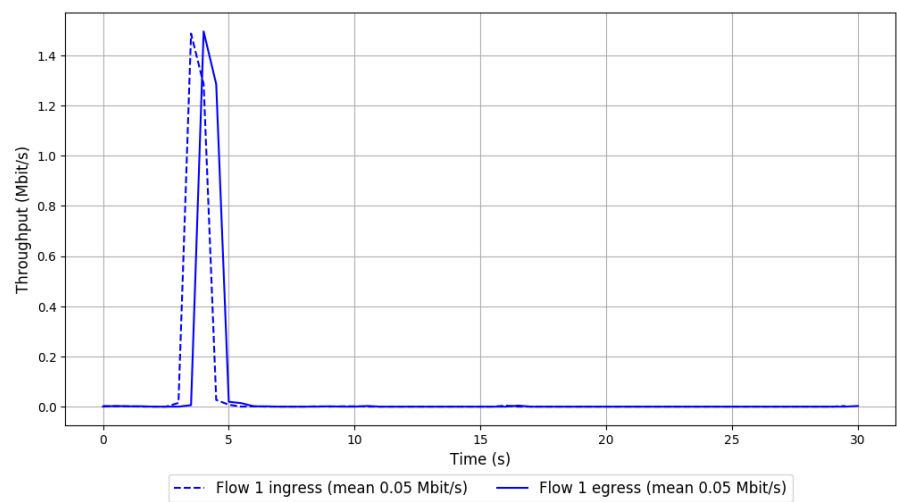


Run 4: Statistics of WebRTC media

Start at: 2018-05-24 12:17:13
End at: 2018-05-24 12:17:43
Local clock offset: -0.02 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-05-24 15:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.860 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.860 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

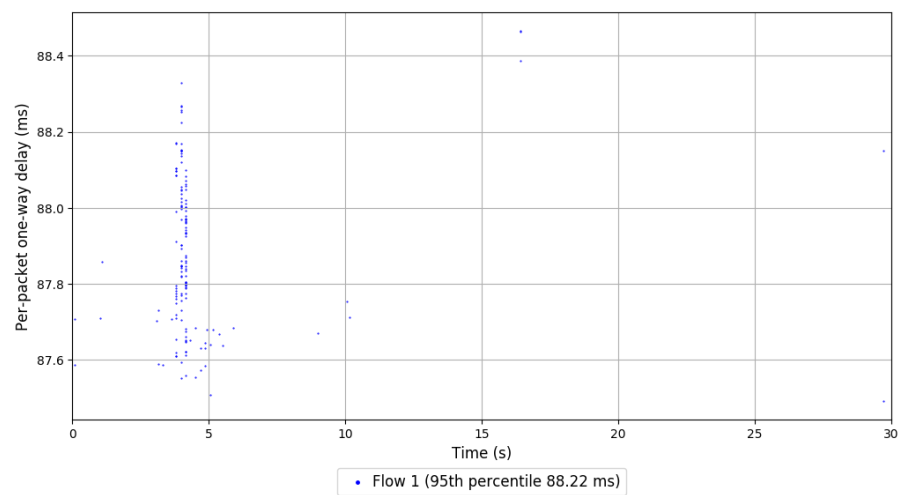
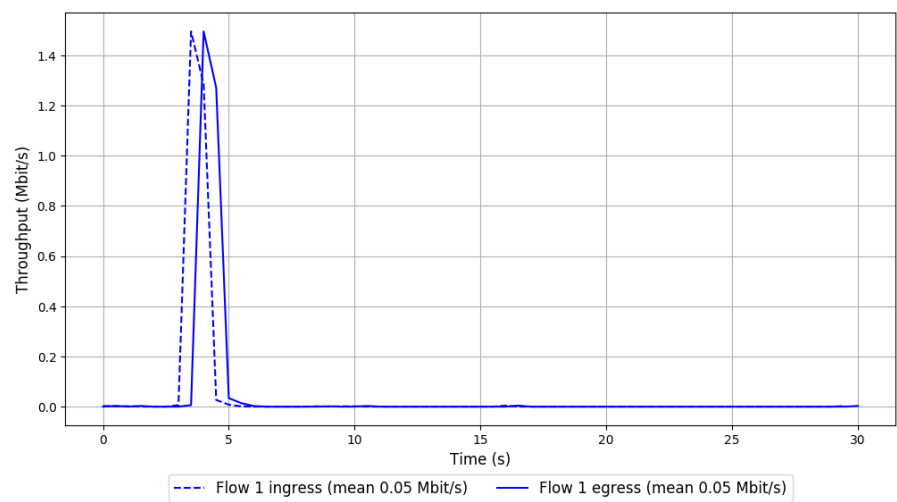


Run 5: Statistics of WebRTC media

Start at: 2018-05-24 12:37:33
End at: 2018-05-24 12:38:03
Local clock offset: 1.64 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-05-24 15:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 88.225 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 88.225 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

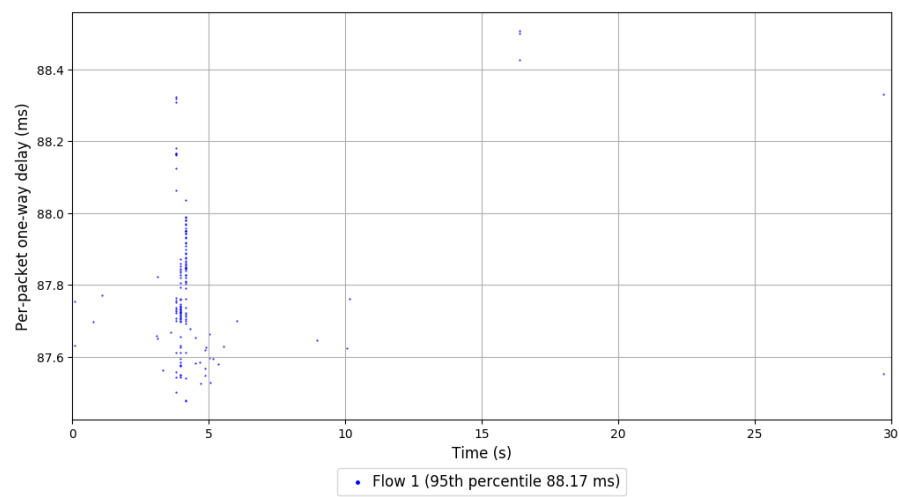
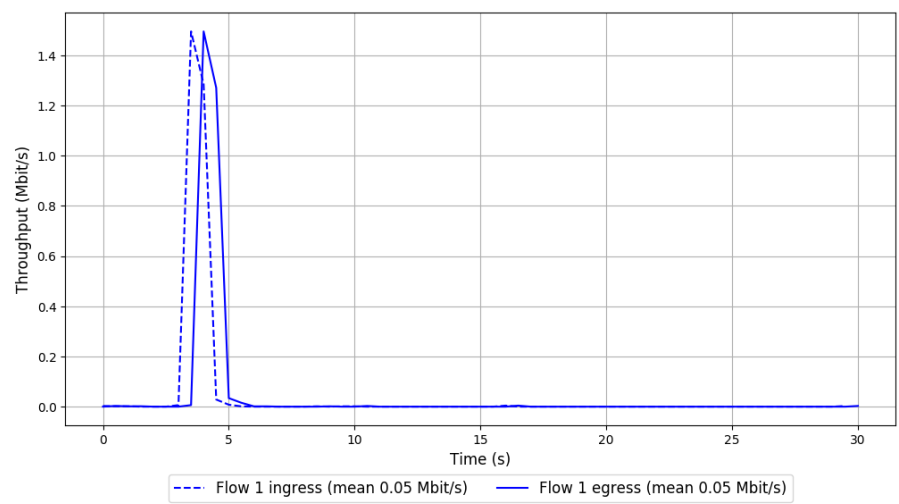


Run 6: Statistics of WebRTC media

Start at: 2018-05-24 12:58:01
End at: 2018-05-24 12:58:31
Local clock offset: 1.578 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-05-24 15:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 88.167 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 88.167 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

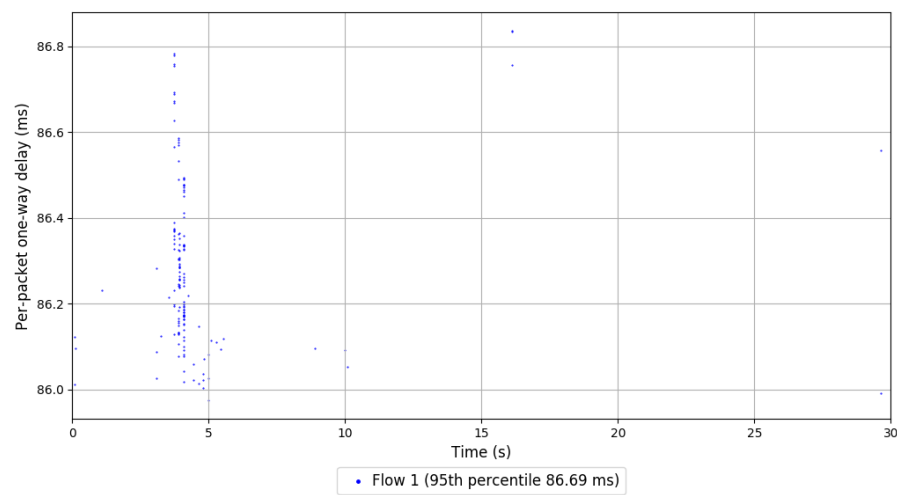
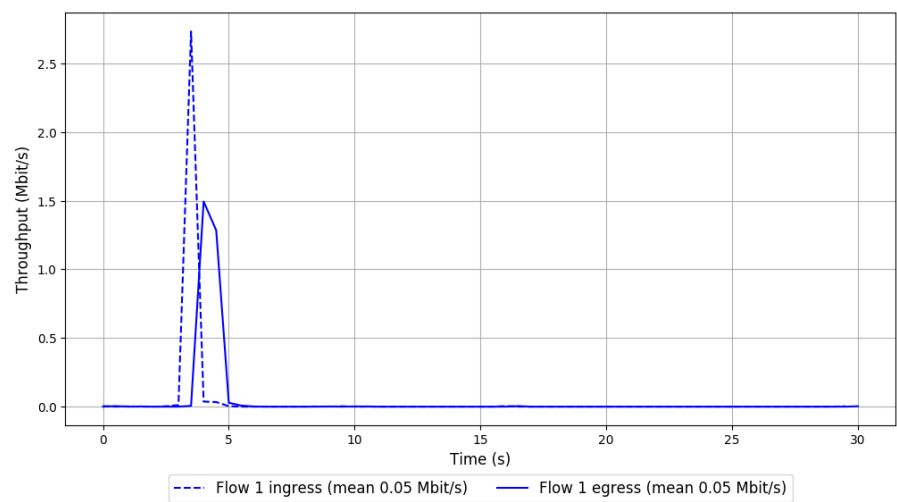


Run 7: Statistics of WebRTC media

Start at: 2018-05-24 13:18:45
End at: 2018-05-24 13:19:15
Local clock offset: -0.0 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-05-24 15:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.688 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.688 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-05-24 13:39:13

End at: 2018-05-24 13:39:43

Local clock offset: 1.565 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-05-24 15:57:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 88.424 ms

Loss rate: 0.00%

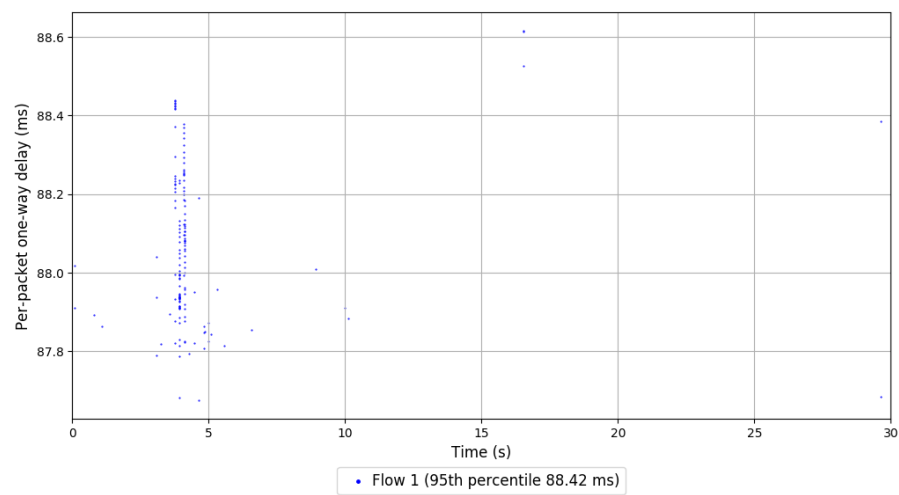
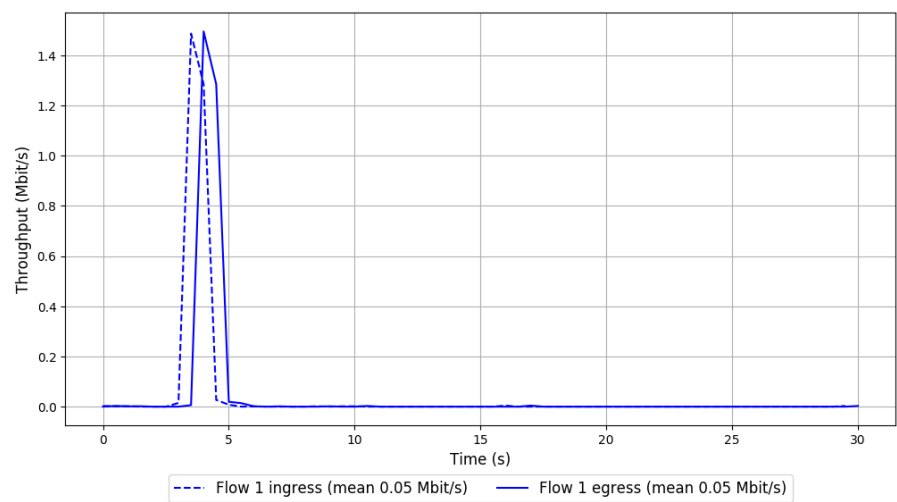
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 88.424 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

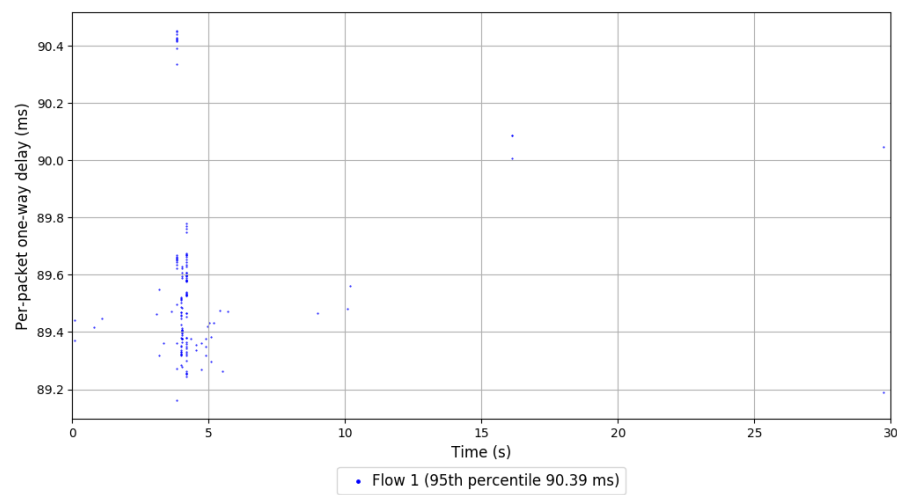
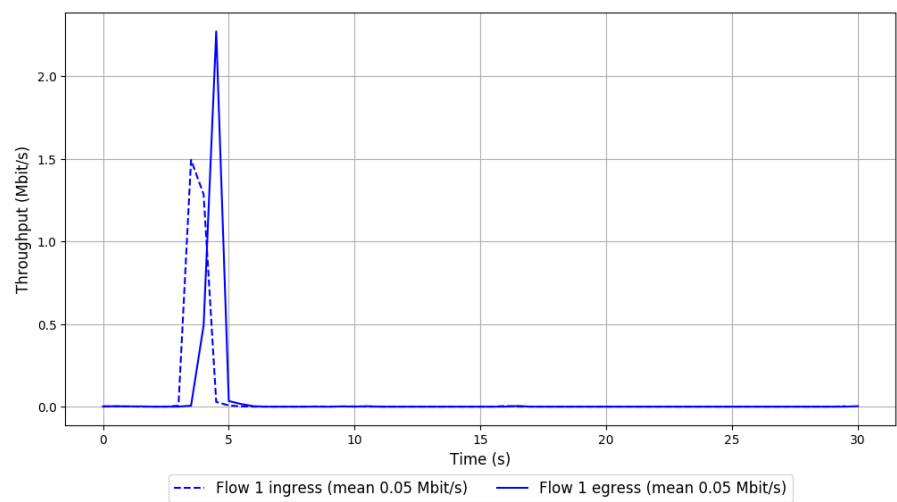


Run 9: Statistics of WebRTC media

Start at: 2018-05-24 13:59:37
End at: 2018-05-24 14:00:07
Local clock offset: 3.096 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-05-24 15:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 90.392 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 90.392 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-24 14:20:04

End at: 2018-05-24 14:20:34

Local clock offset: -0.043 ms

Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-05-24 15:57:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 86.705 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 86.705 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

