

Pantheon Report

Generated at 2018-05-25 00:08:51 (UTC).

Data path: China ppp0 ppp0 (*remote*) → AWS Korea Ethernet (*local*).

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

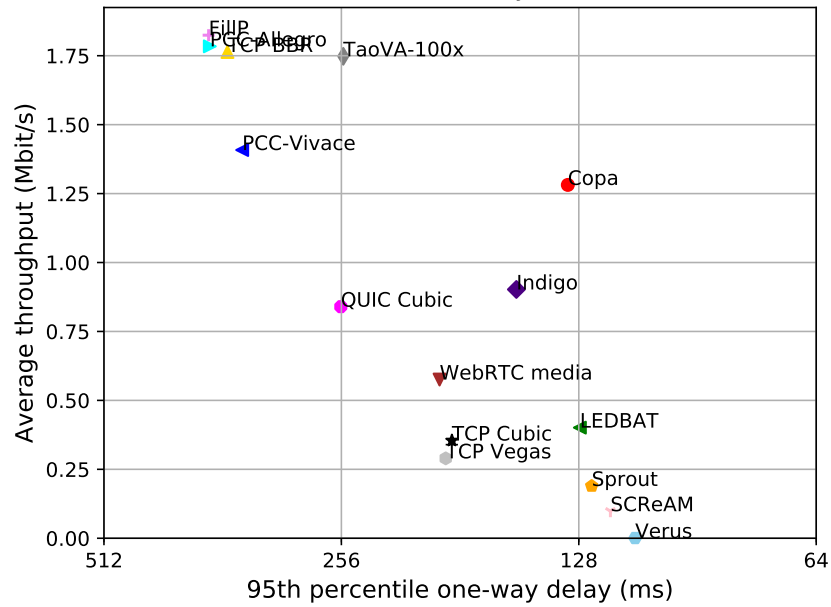
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `ntp.nict.jp` and have been applied to correct the timestamps in logs.

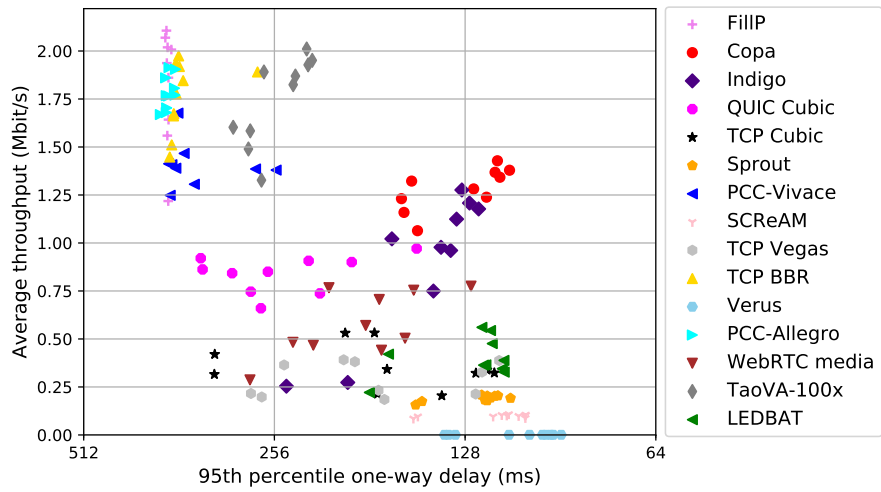
Git summary:

```
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 China ppp0 to AWS Korea, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from China ppp0 to AWS Korea, 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	1.76	356.98	8.52
Copa	10	1.28	132.17	5.42
TCP Cubic	10	0.35	185.40	5.84
FillP	9	1.83	377.19	36.00
Indigo	10	0.90	153.59	6.09
LEDBAT	10	0.40	127.61	6.30
PCC-Allegro	10	1.78	375.88	44.44
PCC-Expr	0	N/A	N/A	N/A
QUIC Cubic	10	0.84	256.43	6.46
SCReAM	10	0.10	116.71	2.57
Sprout	10	0.19	123.27	4.90
TaoVA-100x	10	1.75	254.59	8.35
TCP Vegas	10	0.29	188.77	6.04
Verus	10	0.00	108.59	0.33
PCC-Vivace	9	1.41	342.00	10.65
WebRTC media	10	0.58	192.21	5.42

Run 1: Statistics of TCP BBR

Start at: 2018-05-24 20:50:30

End at: 2018-05-24 20:51:00

Local clock offset: -3.309 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-05-25 00:07:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 362.567 ms

Loss rate: 8.10%

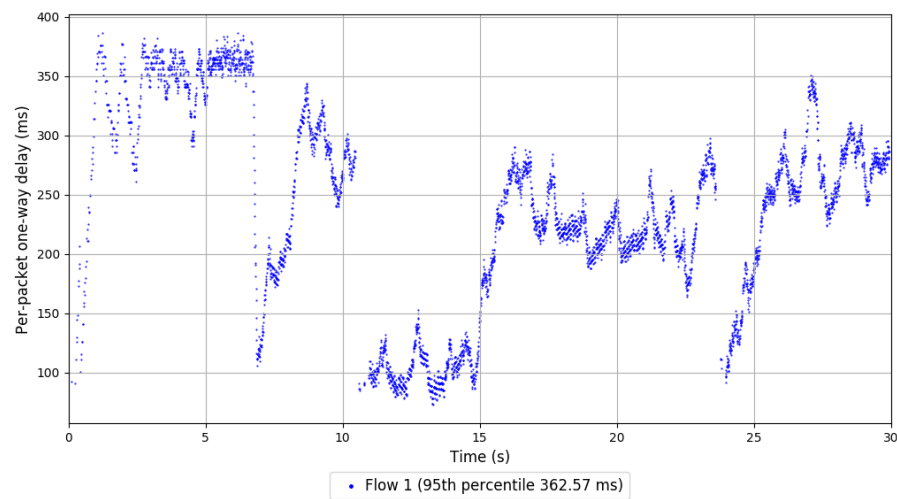
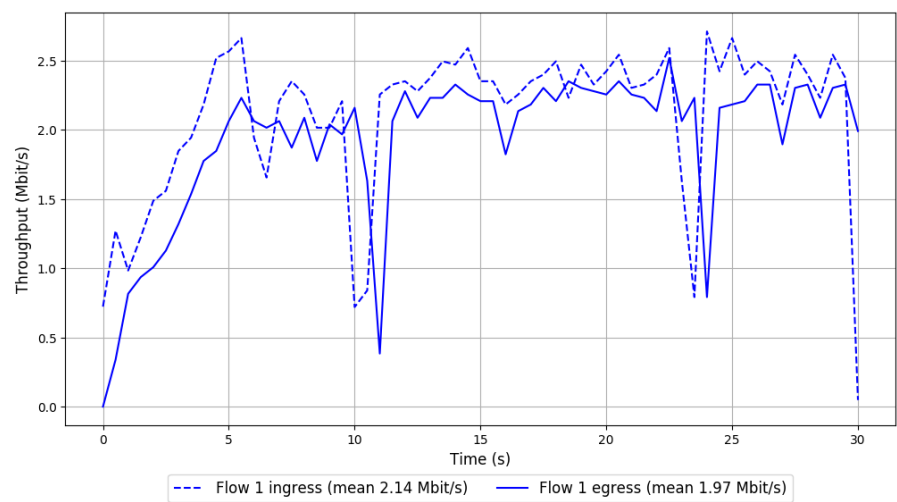
-- Flow 1:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 362.567 ms

Loss rate: 8.10%

Run 1: Report of TCP BBR — Data Link

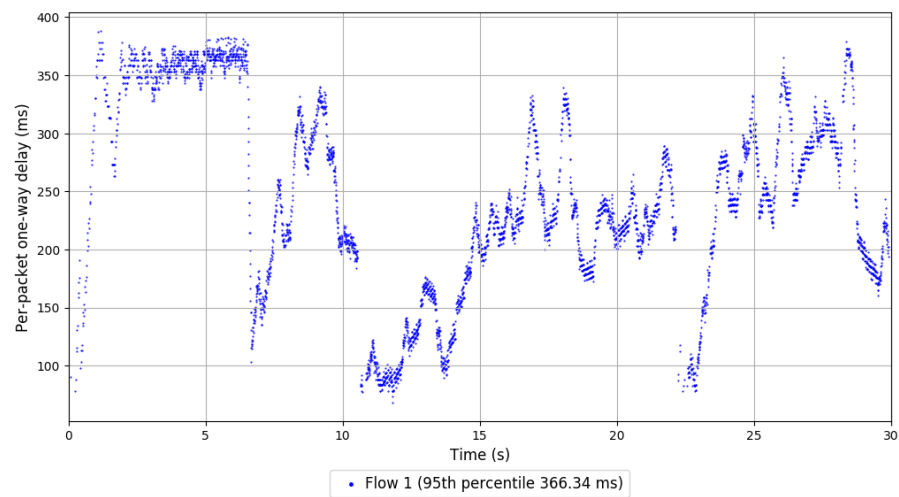
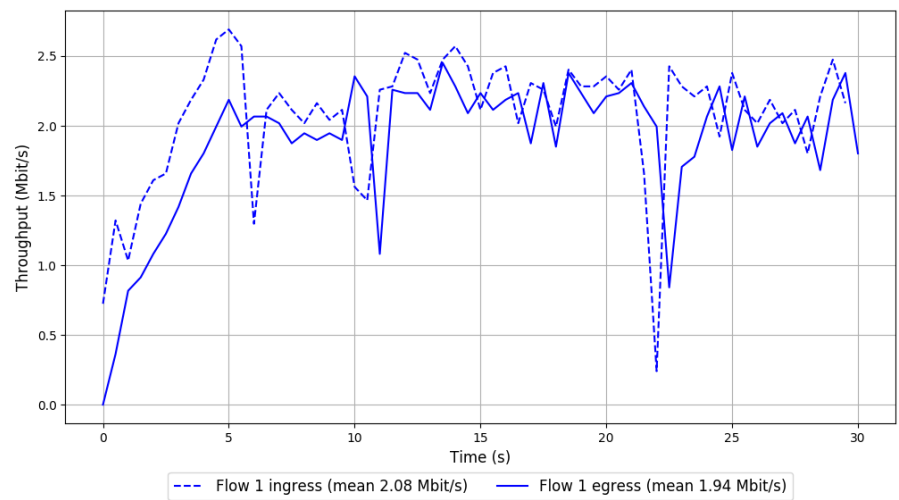


Run 2: Statistics of TCP BBR

Start at: 2018-05-24 21:10:35
End at: 2018-05-24 21:11:05
Local clock offset: -4.366 ms
Remote clock offset: -0.407 ms

Below is generated by plot.py at 2018-05-25 00:07:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 366.339 ms
Loss rate: 7.25%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 366.339 ms
Loss rate: 7.25%

Run 2: Report of TCP BBR — Data Link

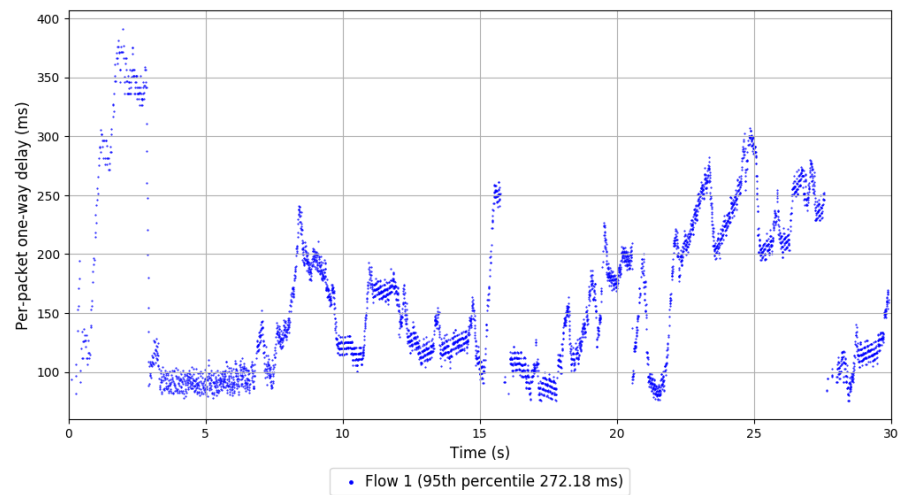
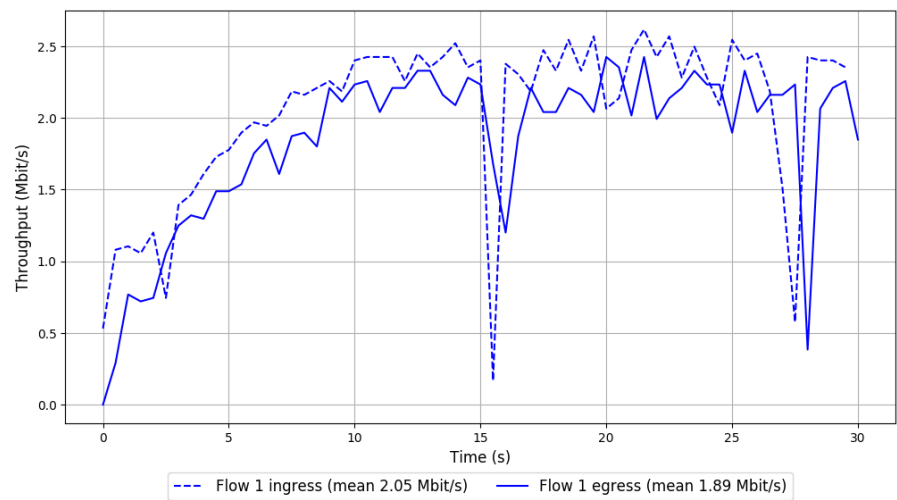


Run 3: Statistics of TCP BBR

Start at: 2018-05-24 21:30:40
End at: 2018-05-24 21:31:10
Local clock offset: -5.649 ms
Remote clock offset: -0.755 ms

Below is generated by plot.py at 2018-05-25 00:07:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 272.178 ms
Loss rate: 8.20%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 272.178 ms
Loss rate: 8.20%

Run 3: Report of TCP BBR — Data Link

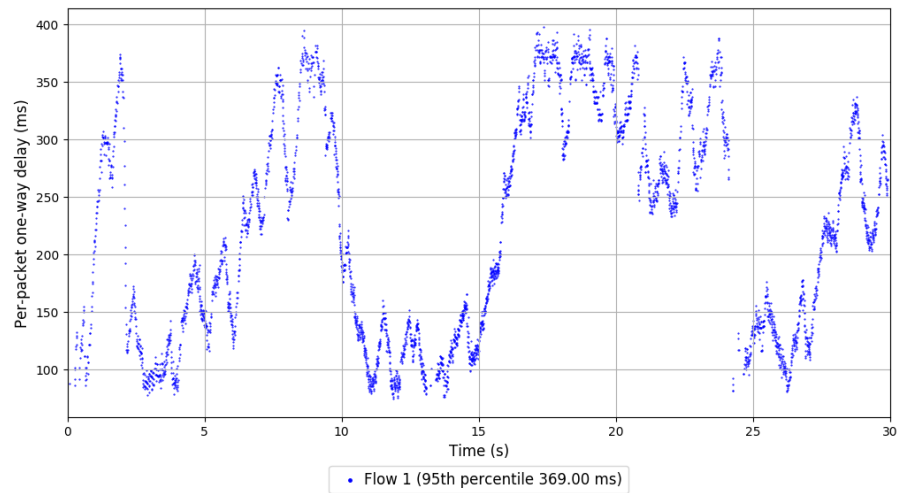
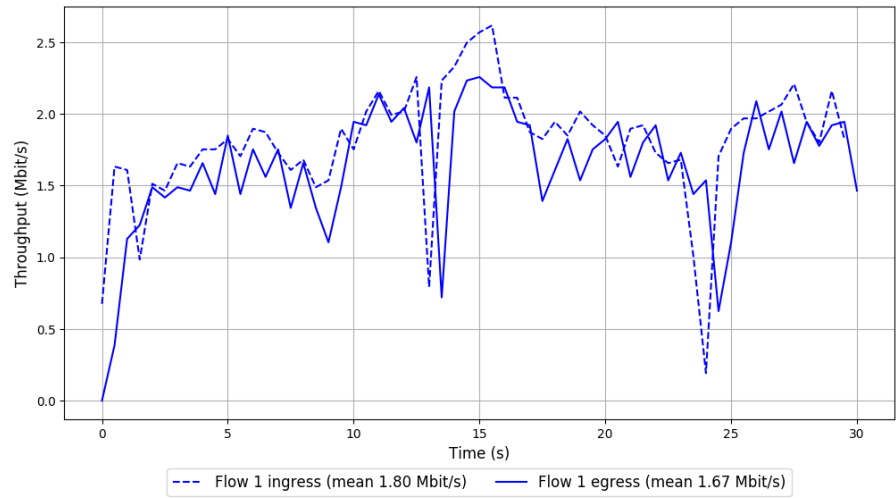


Run 4: Statistics of TCP BBR

Start at: 2018-05-24 21:50:45
End at: 2018-05-24 21:51:15
Local clock offset: -7.047 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-05-25 00:07:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.67 Mbit/s
95th percentile per-packet one-way delay: 369.004 ms
Loss rate: 7.47%
-- Flow 1:
Average throughput: 1.67 Mbit/s
95th percentile per-packet one-way delay: 369.004 ms
Loss rate: 7.47%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-05-24 22:10:50

End at: 2018-05-24 22:11:20

Local clock offset: -5.992 ms

Remote clock offset: 0.093 ms

Below is generated by plot.py at 2018-05-25 00:07:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 361.622 ms

Loss rate: 8.26%

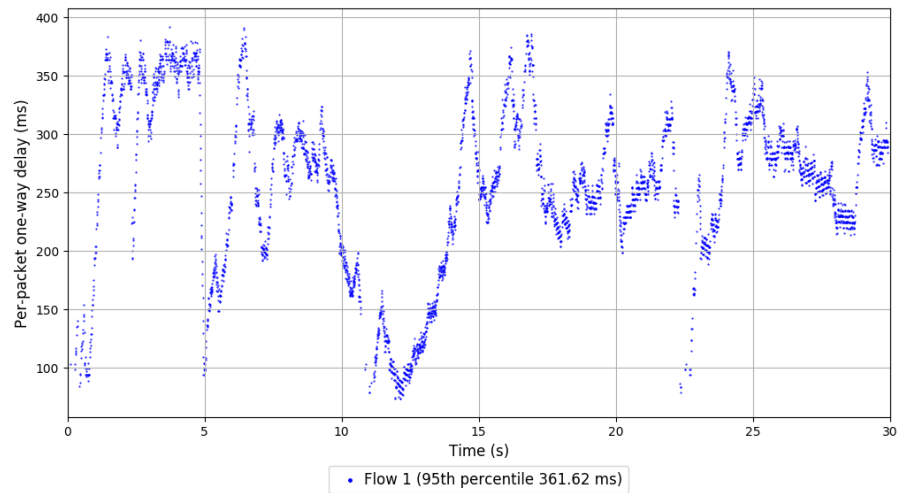
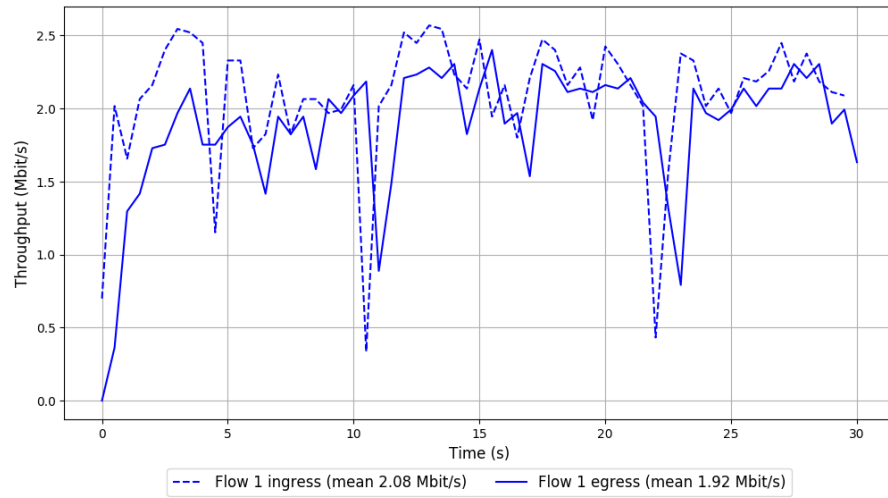
-- Flow 1:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 361.622 ms

Loss rate: 8.26%

Run 5: Report of TCP BBR — Data Link

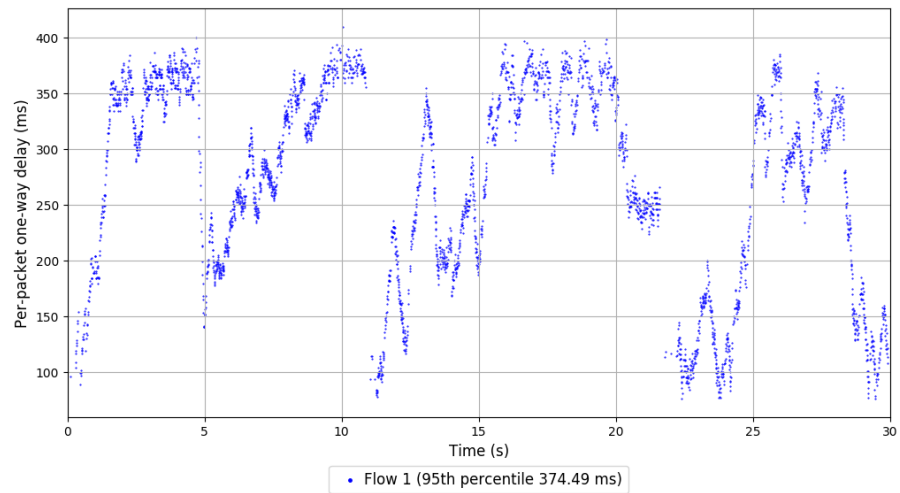
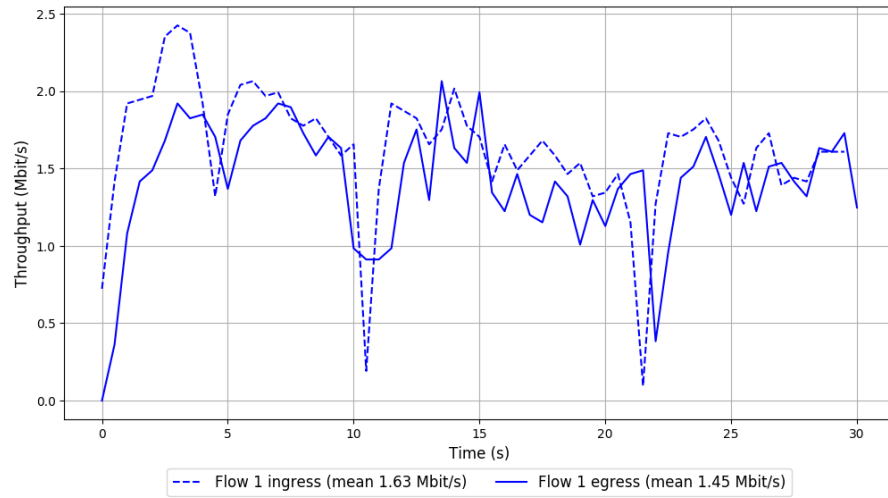


Run 6: Statistics of TCP BBR

Start at: 2018-05-24 22:30:55
End at: 2018-05-24 22:31:25
Local clock offset: -5.265 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-05-25 00:07:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 374.494 ms
Loss rate: 11.56%
-- Flow 1:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 374.494 ms
Loss rate: 11.56%

Run 6: Report of TCP BBR — Data Link

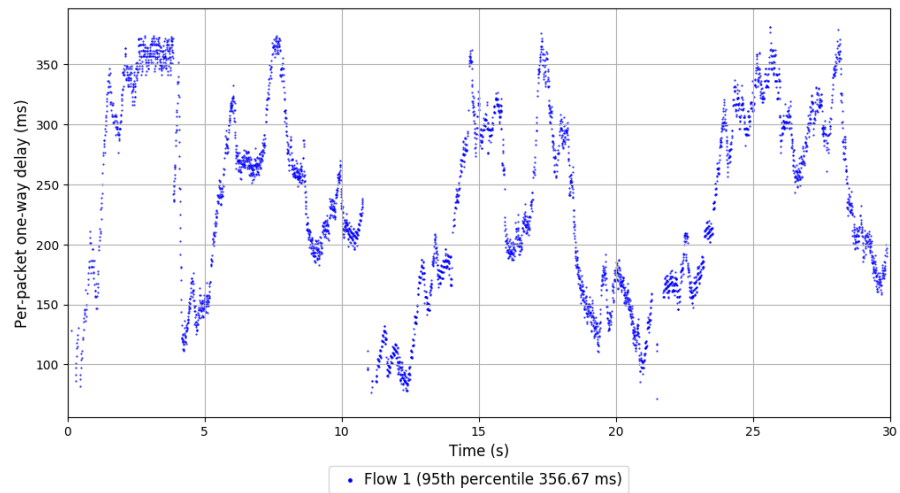
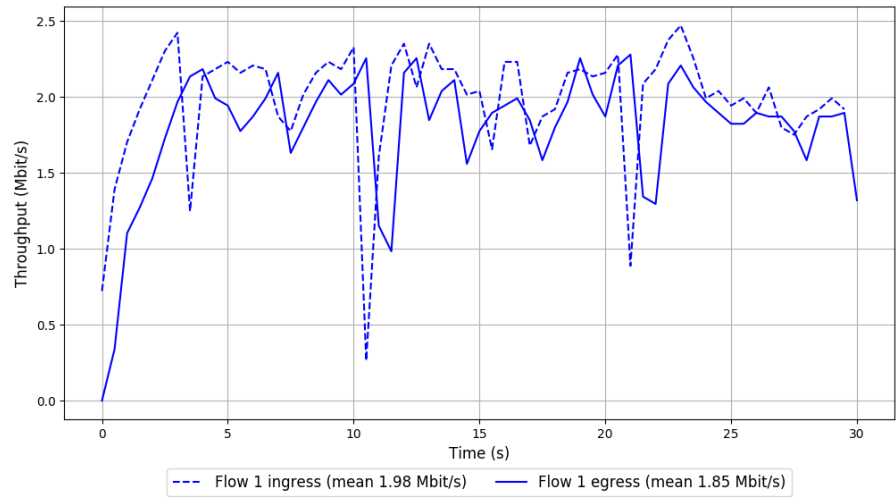


Run 7: Statistics of TCP BBR

Start at: 2018-05-24 22:51:00
End at: 2018-05-24 22:51:30
Local clock offset: -4.881 ms
Remote clock offset: -0.403 ms

Below is generated by plot.py at 2018-05-25 00:07:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 356.671 ms
Loss rate: 7.50%
-- Flow 1:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 356.671 ms
Loss rate: 7.50%

Run 7: Report of TCP BBR — Data Link

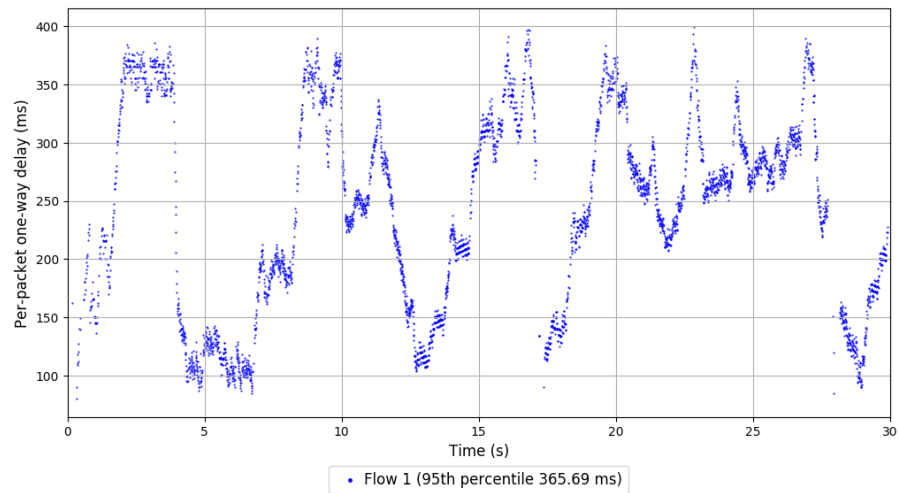
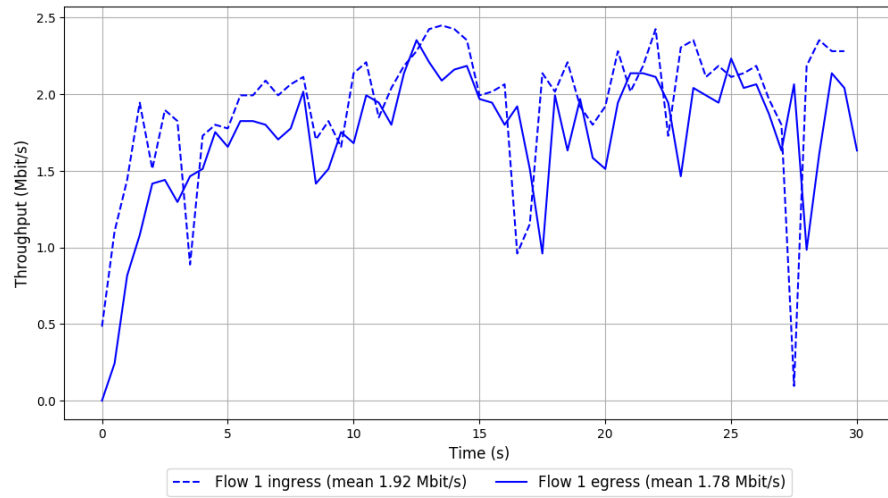


Run 8: Statistics of TCP BBR

Start at: 2018-05-24 23:11:05
End at: 2018-05-24 23:11:35
Local clock offset: 4.058 ms
Remote clock offset: -0.707 ms

Below is generated by plot.py at 2018-05-25 00:07:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 365.689 ms
Loss rate: 8.39%
-- Flow 1:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 365.689 ms
Loss rate: 8.39%

Run 8: Report of TCP BBR — Data Link

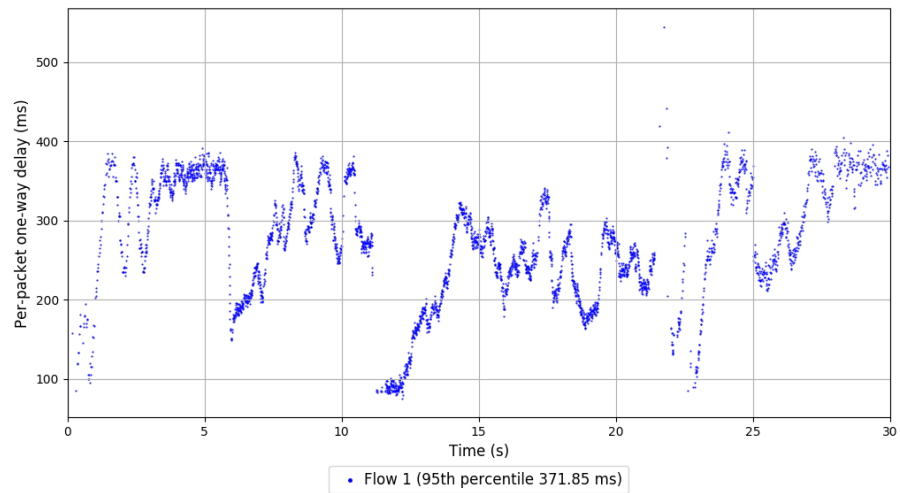
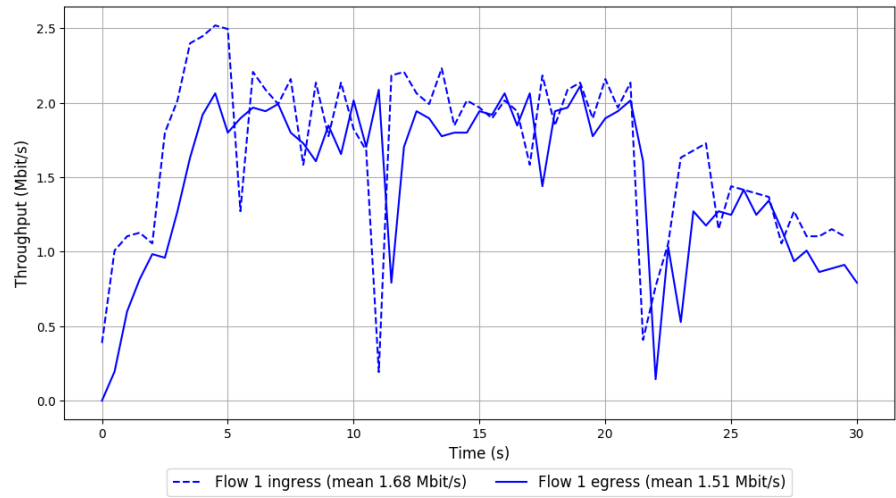


Run 9: Statistics of TCP BBR

Start at: 2018-05-24 23:31:10
End at: 2018-05-24 23:31:40
Local clock offset: 4.352 ms
Remote clock offset: -0.414 ms

Below is generated by plot.py at 2018-05-25 00:07:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 371.849 ms
Loss rate: 10.57%
-- Flow 1:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 371.849 ms
Loss rate: 10.57%

Run 9: Report of TCP BBR — Data Link

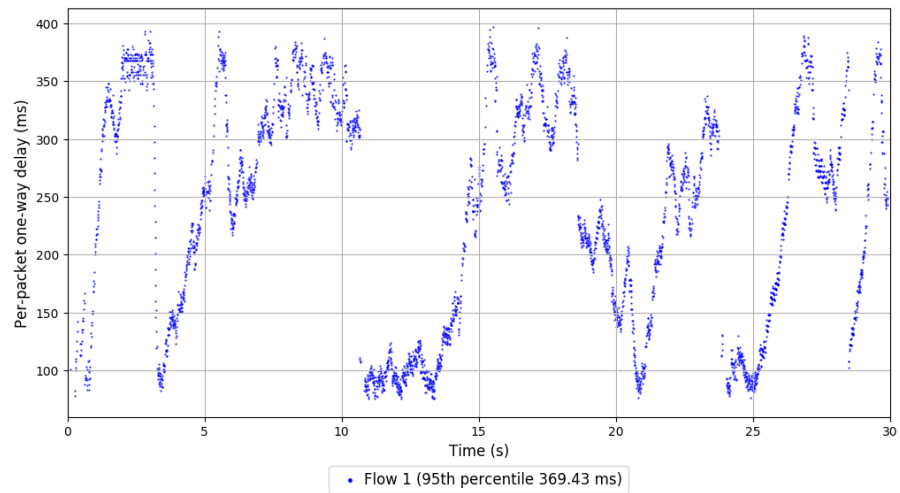
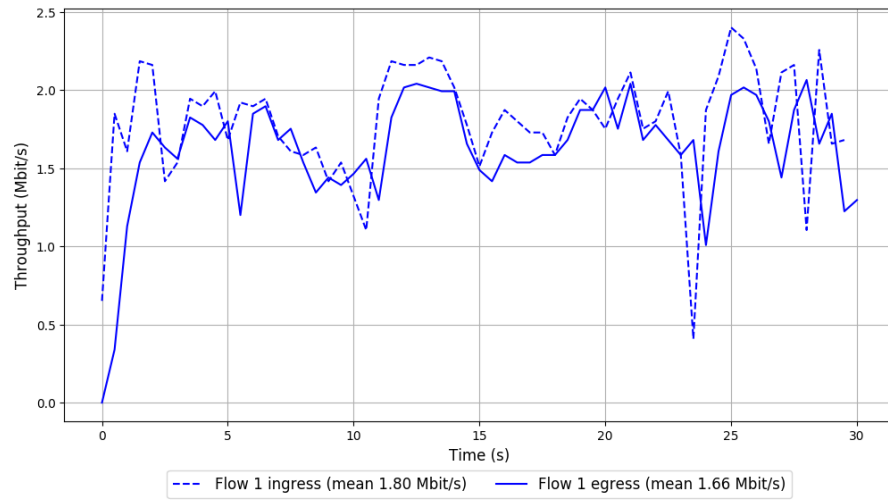


Run 10: Statistics of TCP BBR

Start at: 2018-05-24 23:51:15
End at: 2018-05-24 23:51:45
Local clock offset: 2.03 ms
Remote clock offset: -0.493 ms

Below is generated by plot.py at 2018-05-25 00:07:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.66 Mbit/s
95th percentile per-packet one-way delay: 369.430 ms
Loss rate: 7.92%
-- Flow 1:
Average throughput: 1.66 Mbit/s
95th percentile per-packet one-way delay: 369.430 ms
Loss rate: 7.92%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-05-24 20:55:32

End at: 2018-05-24 20:56:02

Local clock offset: -3.464 ms

Remote clock offset: 0.072 ms

Below is generated by plot.py at 2018-05-25 00:07:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.34 Mbit/s

95th percentile per-packet one-way delay: 112.798 ms

Loss rate: 5.64%

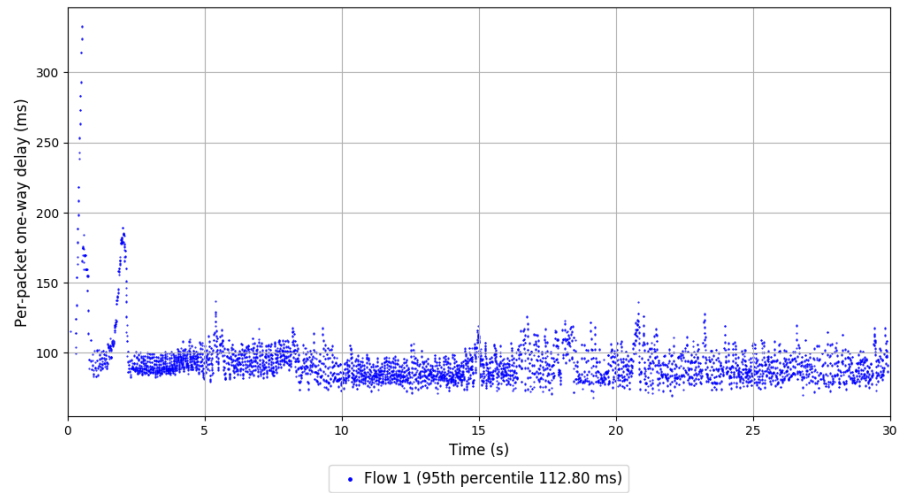
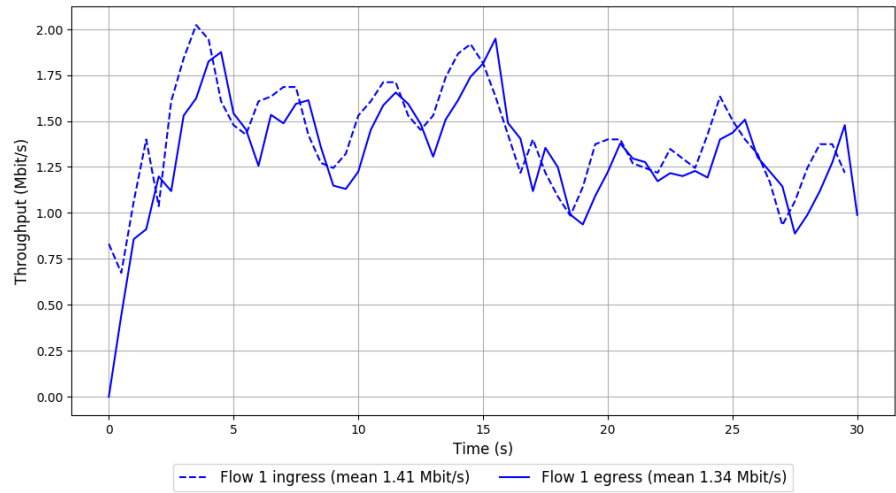
-- Flow 1:

Average throughput: 1.34 Mbit/s

95th percentile per-packet one-way delay: 112.798 ms

Loss rate: 5.64%

Run 1: Report of Copa — Data Link

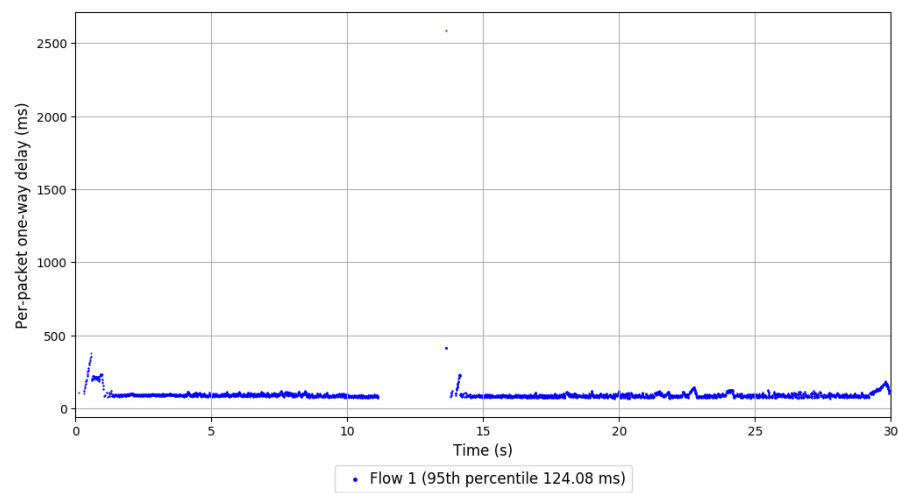
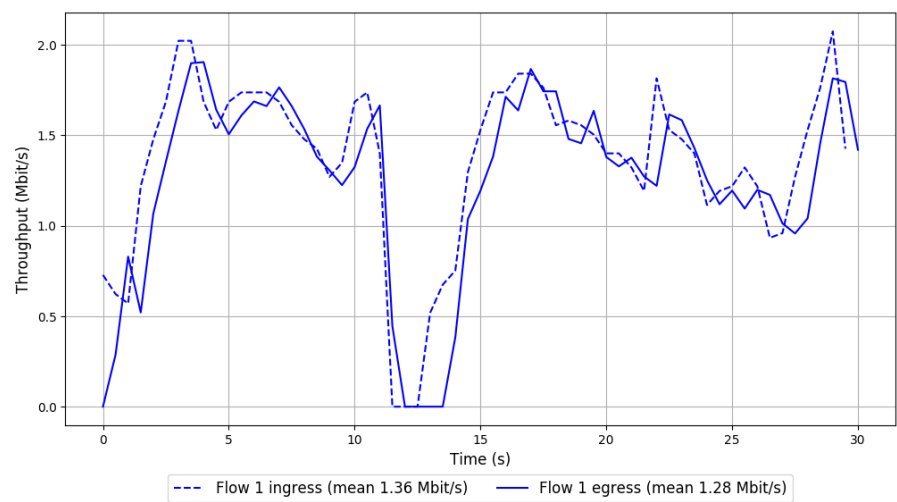


Run 2: Statistics of Copa

Start at: 2018-05-24 21:15:37
End at: 2018-05-24 21:16:07
Local clock offset: -4.659 ms
Remote clock offset: -0.513 ms

Below is generated by plot.py at 2018-05-25 00:07:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 124.082 ms
Loss rate: 6.19%
-- Flow 1:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 124.082 ms
Loss rate: 6.19%

Run 2: Report of Copa — Data Link

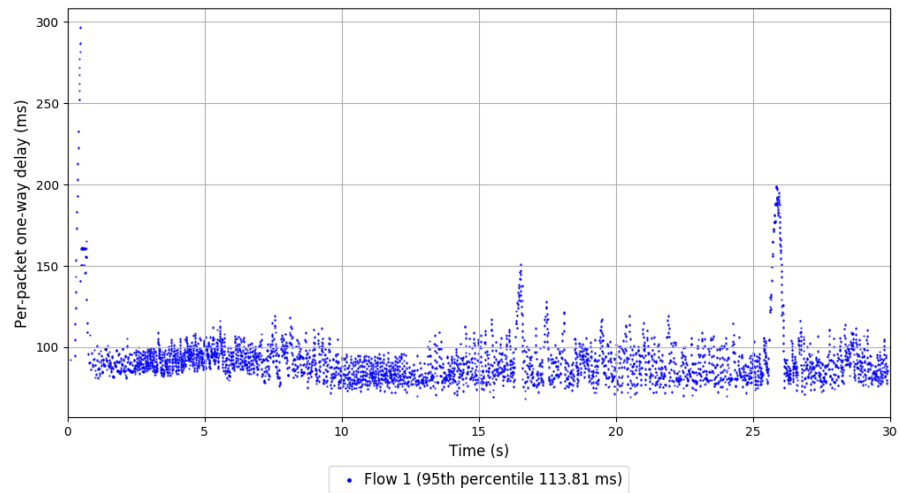
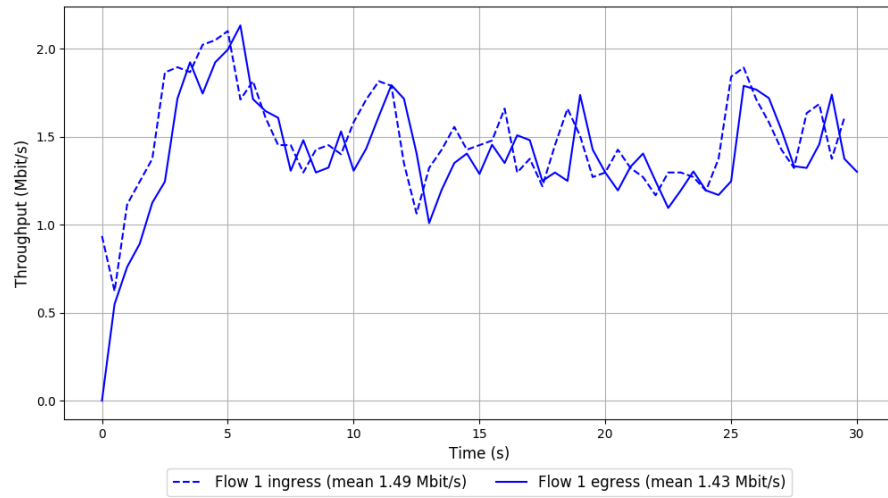


Run 3: Statistics of Copa

Start at: 2018-05-24 21:35:42
End at: 2018-05-24 21:36:12
Local clock offset: -6.18 ms
Remote clock offset: -0.675 ms

Below is generated by plot.py at 2018-05-25 00:07:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 113.811 ms
Loss rate: 4.39%
-- Flow 1:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 113.811 ms
Loss rate: 4.39%

Run 3: Report of Copa — Data Link

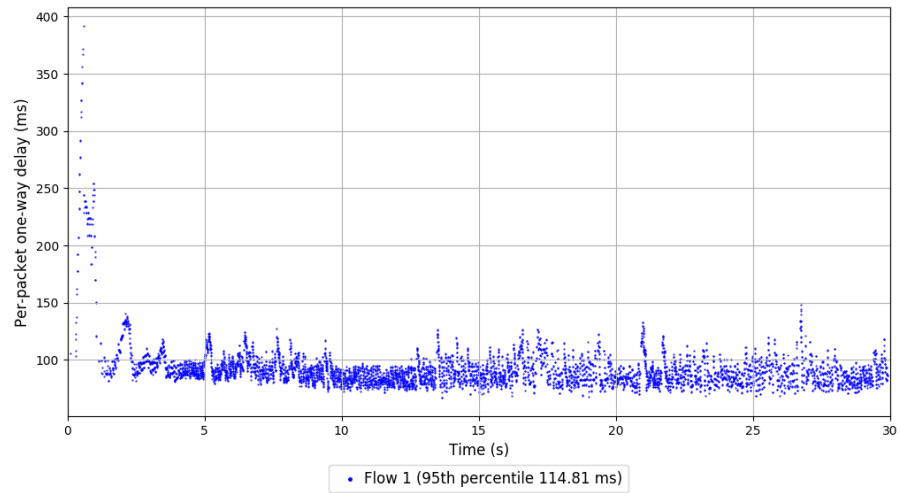
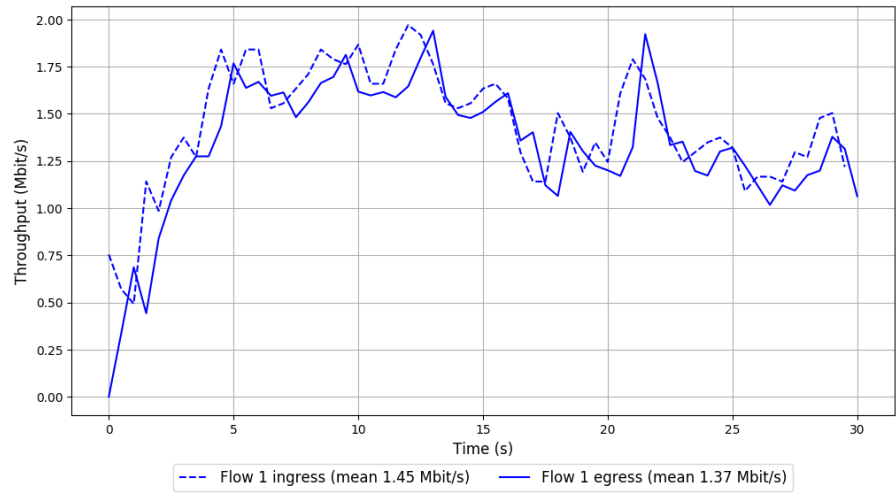


Run 4: Statistics of Copa

Start at: 2018-05-24 21:55:48
End at: 2018-05-24 21:56:18
Local clock offset: -7.247 ms
Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-05-25 00:07:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.37 Mbit/s
95th percentile per-packet one-way delay: 114.805 ms
Loss rate: 5.99%
-- Flow 1:
Average throughput: 1.37 Mbit/s
95th percentile per-packet one-way delay: 114.805 ms
Loss rate: 5.99%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-05-24 22:15:52

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

Local clock offset: -5.892 ms

Remote clock offset: 0.065 ms

Below is generated by plot.py at 2018-05-25 00:07:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.38 Mbit/s

95th percentile per-packet one-way delay: 108.917 ms

Loss rate: 5.74%

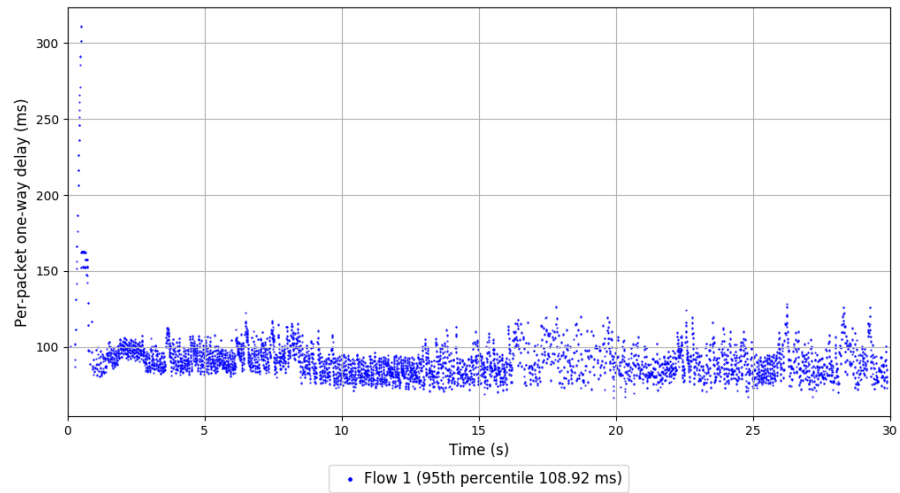
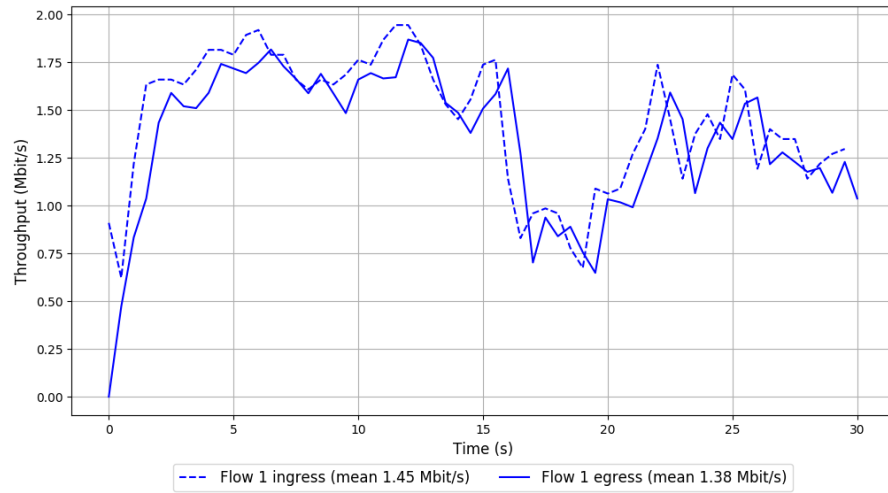
-- Flow 1:

Average throughput: 1.38 Mbit/s

95th percentile per-packet one-way delay: 108.917 ms

Loss rate: 5.74%

Run 5: Report of Copa — Data Link

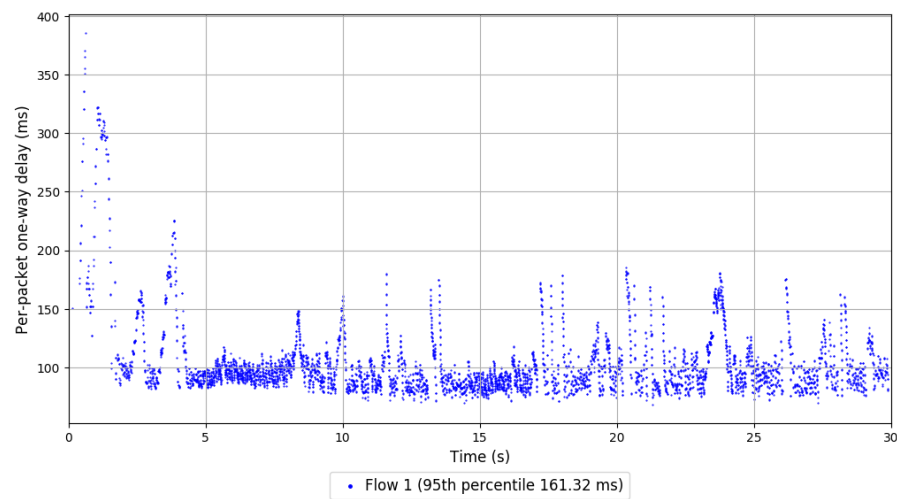
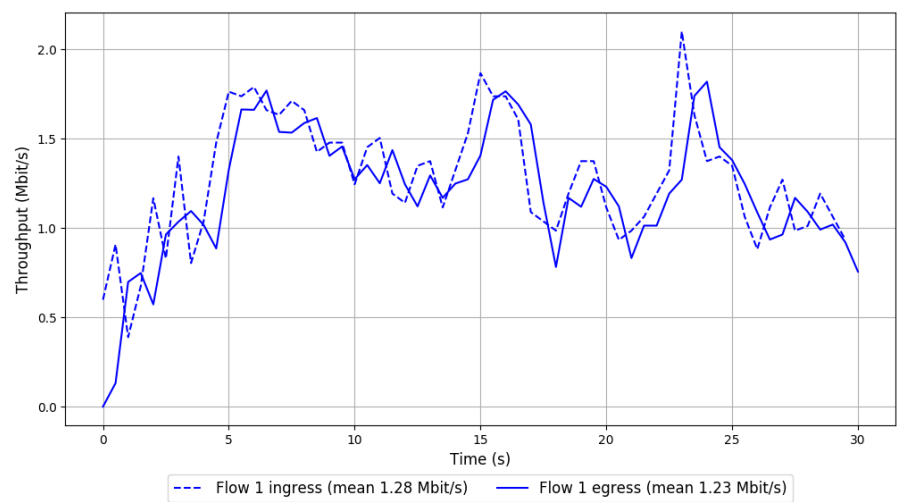


Run 6: Statistics of Copa

Start at: 2018-05-24 22:35:57
End at: 2018-05-24 22:36:27
Local clock offset: -5.031 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-05-25 00:07:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 161.319 ms
Loss rate: 4.66%
-- Flow 1:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 161.319 ms
Loss rate: 4.66%

Run 6: Report of Copa — Data Link

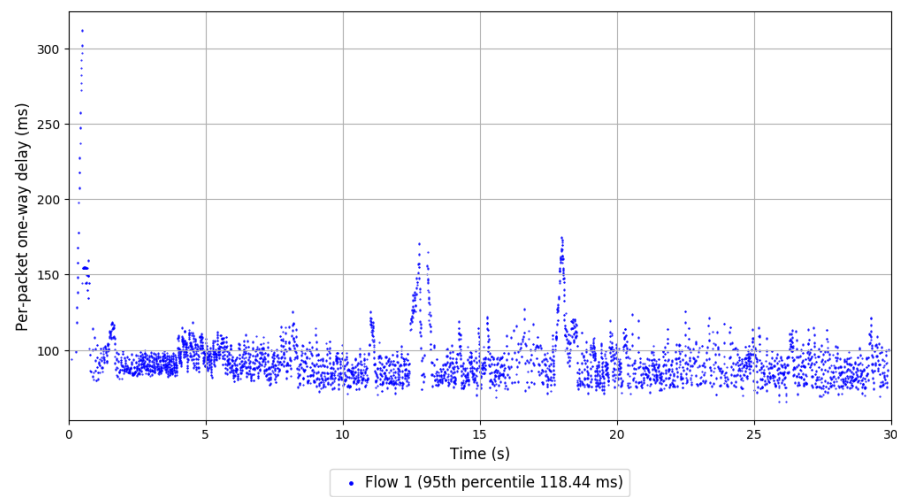
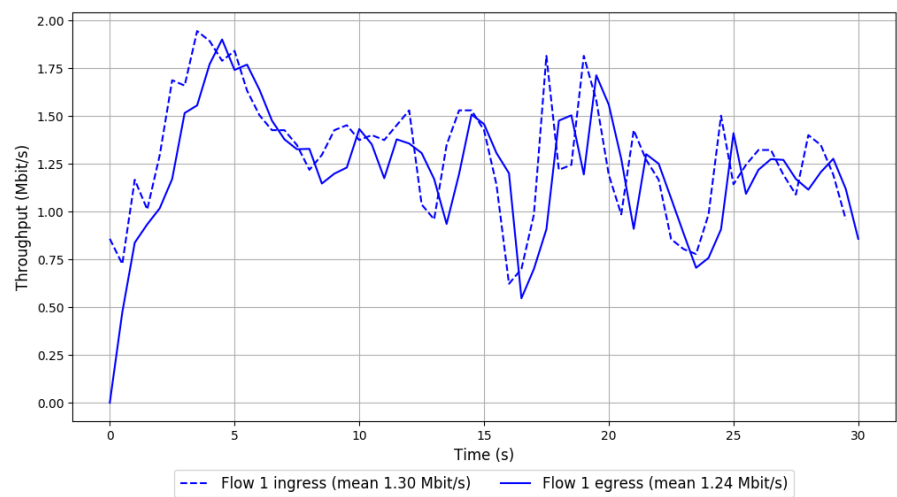


Run 7: Statistics of Copa

Start at: 2018-05-24 22:56:03
End at: 2018-05-24 22:56:33
Local clock offset: -4.798 ms
Remote clock offset: -0.512 ms

Below is generated by plot.py at 2018-05-25 00:07:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 118.436 ms
Loss rate: 5.15%
-- Flow 1:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 118.436 ms
Loss rate: 5.15%

Run 7: Report of Copa — Data Link

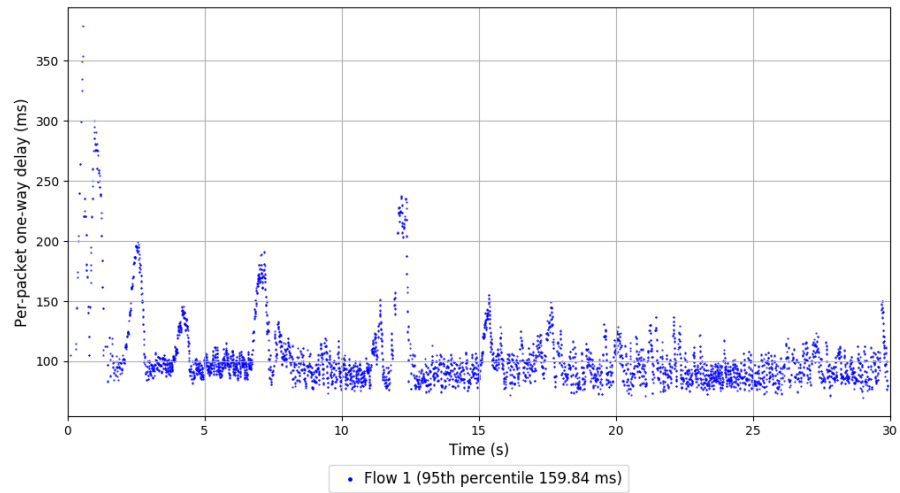
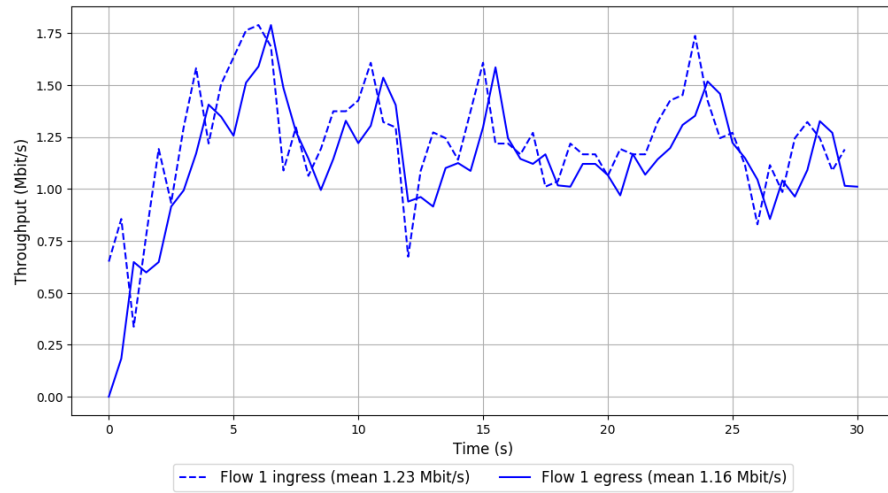


Run 8: Statistics of Copa

Start at: 2018-05-24 23:16:07
End at: 2018-05-24 23:16:37
Local clock offset: 5.353 ms
Remote clock offset: -0.729 ms

Below is generated by plot.py at 2018-05-25 00:07:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 159.836 ms
Loss rate: 6.29%
-- Flow 1:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 159.836 ms
Loss rate: 6.29%

Run 8: Report of Copa — Data Link

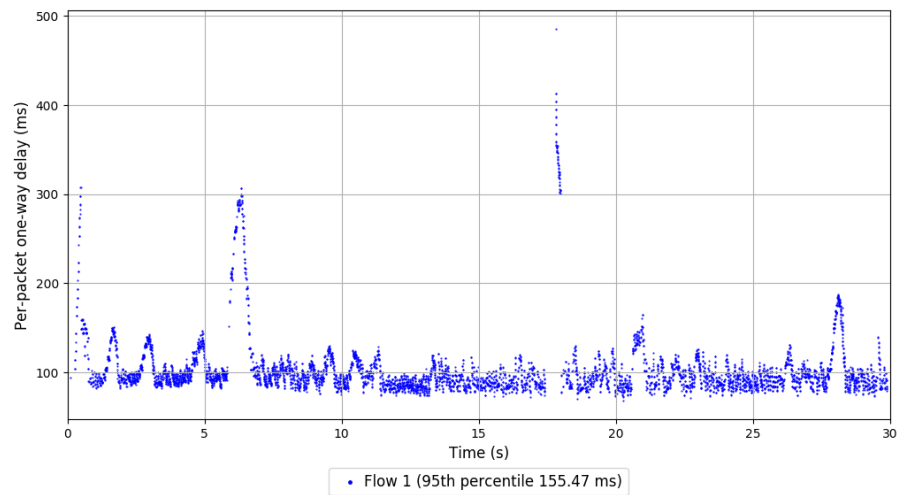
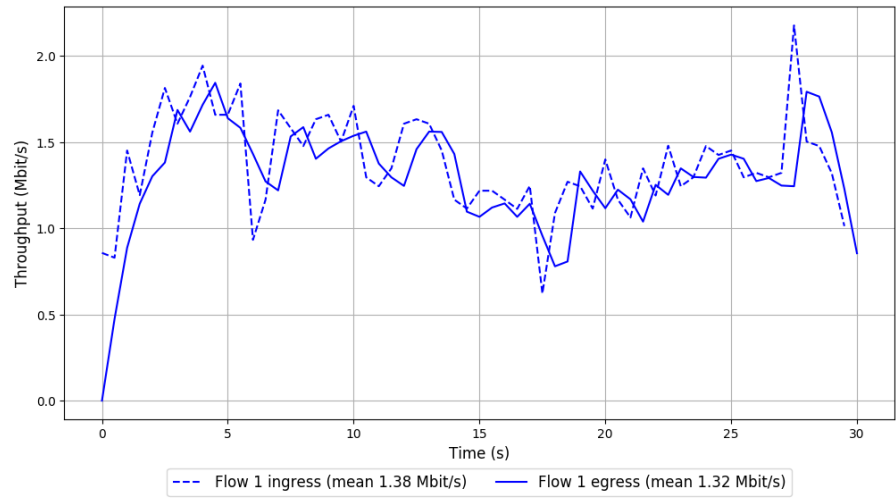


Run 9: Statistics of Copa

Start at: 2018-05-24 23:36:12
End at: 2018-05-24 23:36:42
Local clock offset: 3.167 ms
Remote clock offset: -0.493 ms

Below is generated by plot.py at 2018-05-25 00:07:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 155.466 ms
Loss rate: 4.53%
-- Flow 1:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 155.466 ms
Loss rate: 4.53%

Run 9: Report of Copa — Data Link

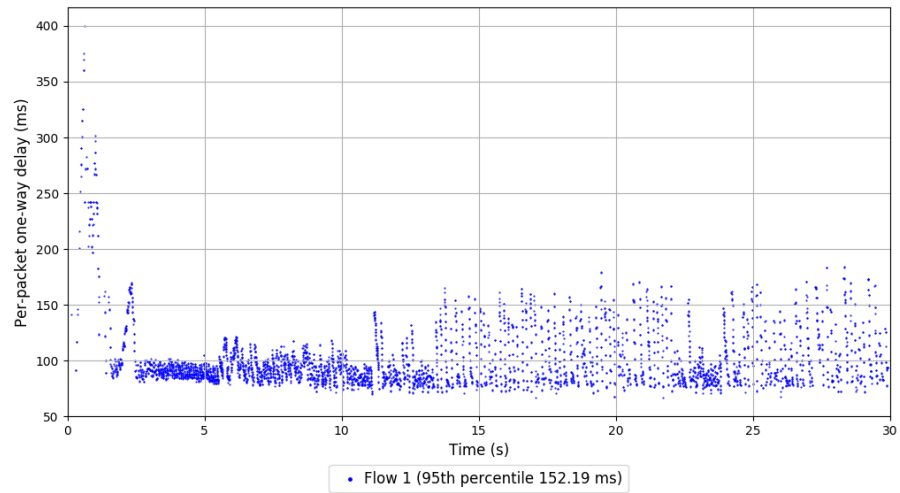
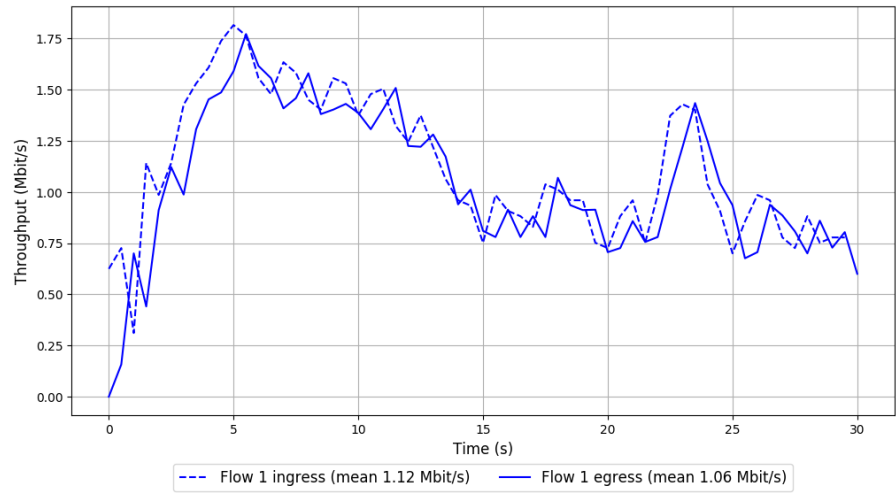


Run 10: Statistics of Copa

Start at: 2018-05-24 23:56:17
End at: 2018-05-24 23:56:47
Local clock offset: 1.666 ms
Remote clock offset: -0.515 ms

Below is generated by plot.py at 2018-05-25 00:07:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.06 Mbit/s
95th percentile per-packet one-way delay: 152.186 ms
Loss rate: 5.62%
-- Flow 1:
Average throughput: 1.06 Mbit/s
95th percentile per-packet one-way delay: 152.186 ms
Loss rate: 5.62%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-05-24 20:49:15

End at: 2018-05-24 20:49:45

Local clock offset: -3.348 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-05-25 00:07:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.32 Mbit/s

95th percentile per-packet one-way delay: 115.084 ms

Loss rate: 5.65%

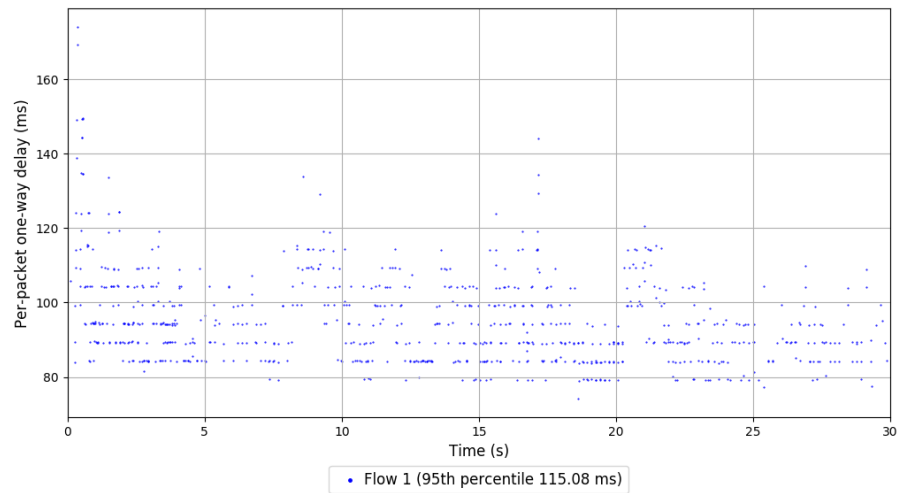
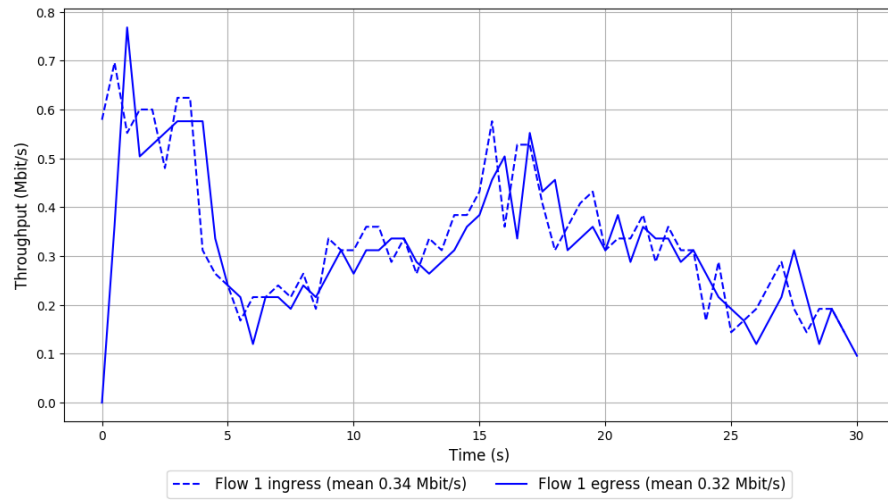
-- Flow 1:

Average throughput: 0.32 Mbit/s

95th percentile per-packet one-way delay: 115.084 ms

Loss rate: 5.65%

Run 1: Report of TCP Cubic — Data Link

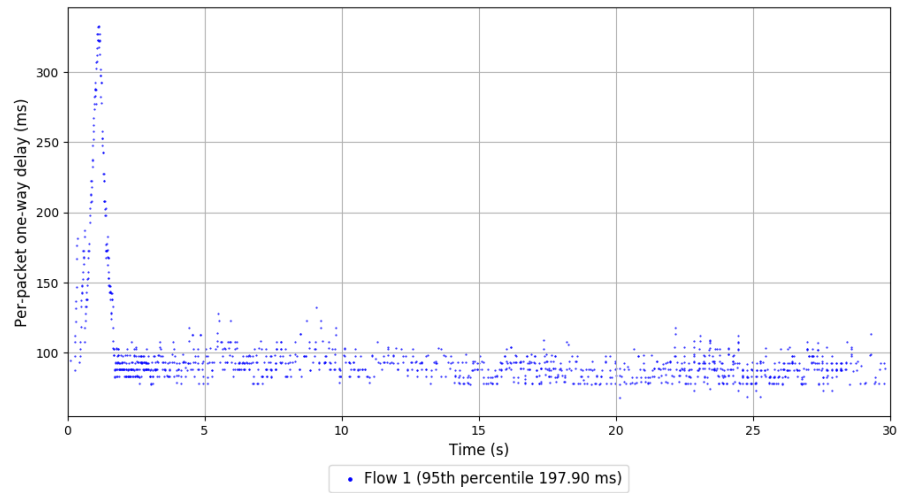
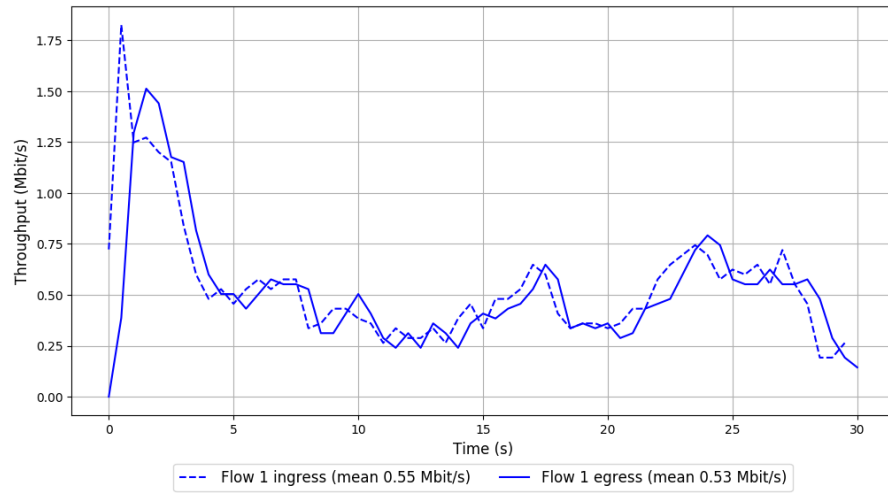


Run 2: Statistics of TCP Cubic

Start at: 2018-05-24 21:09:20
End at: 2018-05-24 21:09:50
Local clock offset: -4.321 ms
Remote clock offset: -0.295 ms

Below is generated by plot.py at 2018-05-25 00:07:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 197.900 ms
Loss rate: 3.94%
-- Flow 1:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 197.900 ms
Loss rate: 3.94%

Run 2: Report of TCP Cubic — Data Link

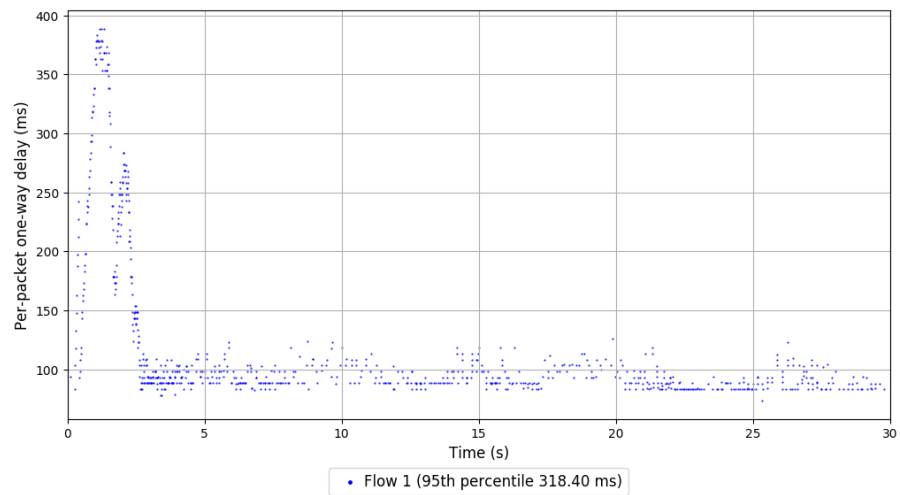
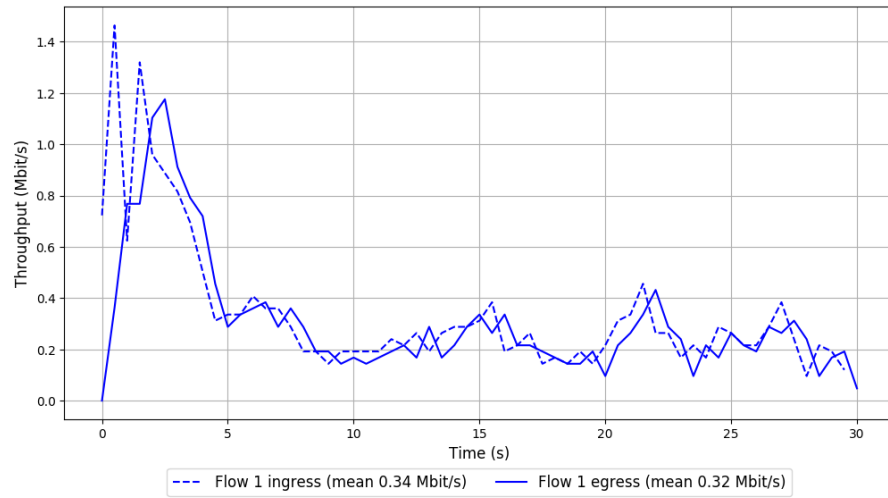


Run 3: Statistics of TCP Cubic

Start at: 2018-05-24 21:29:25
End at: 2018-05-24 21:29:55
Local clock offset: -5.513 ms
Remote clock offset: -0.722 ms

Below is generated by plot.py at 2018-05-25 00:07:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 318.397 ms
Loss rate: 8.65%
-- Flow 1:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 318.397 ms
Loss rate: 8.65%

Run 3: Report of TCP Cubic — Data Link

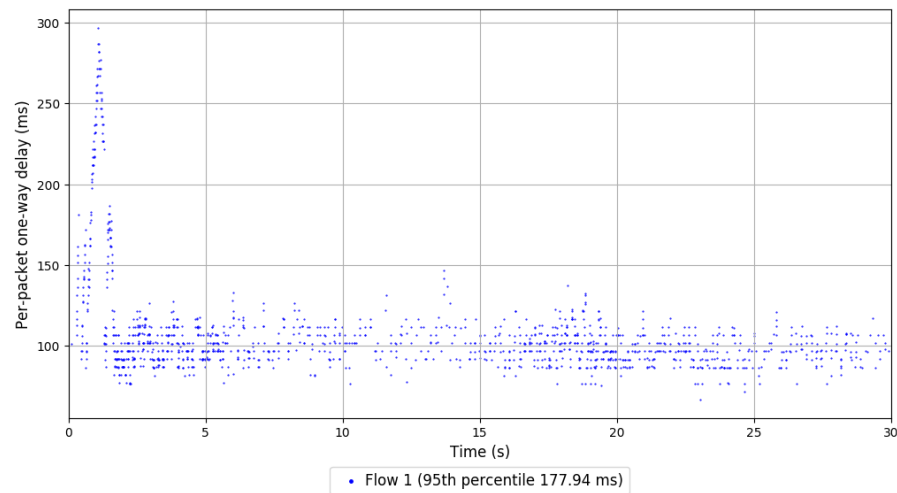
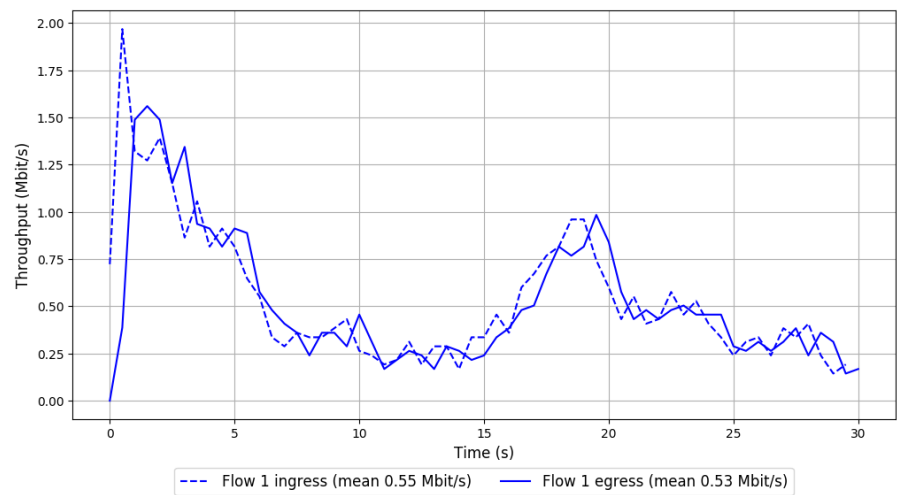


Run 4: Statistics of TCP Cubic

Start at: 2018-05-24 21:49:30
End at: 2018-05-24 21:50:00
Local clock offset: -6.962 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-05-25 00:07:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 177.944 ms
Loss rate: 3.01%
-- Flow 1:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 177.944 ms
Loss rate: 3.01%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-05-24 22:09:35

End at: 2018-05-24 22:10:05

Local clock offset: -5.937 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-05-25 00:07:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 139.318 ms

Loss rate: 8.80%

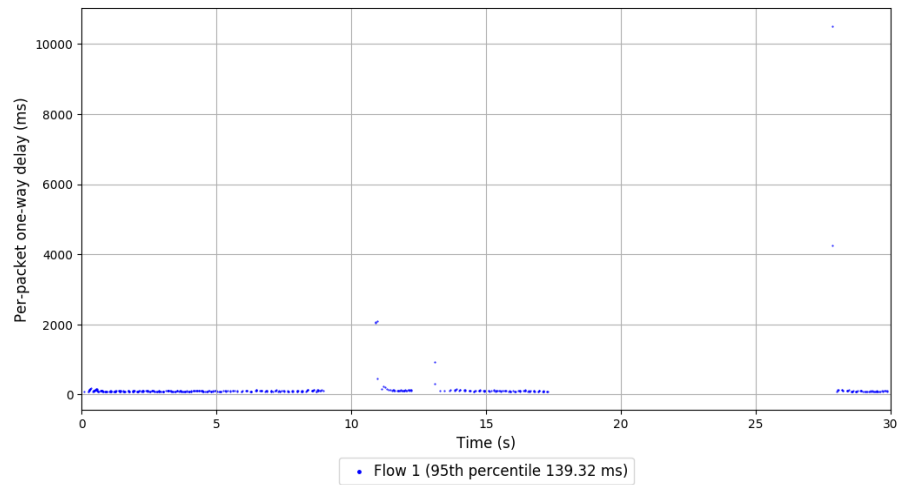
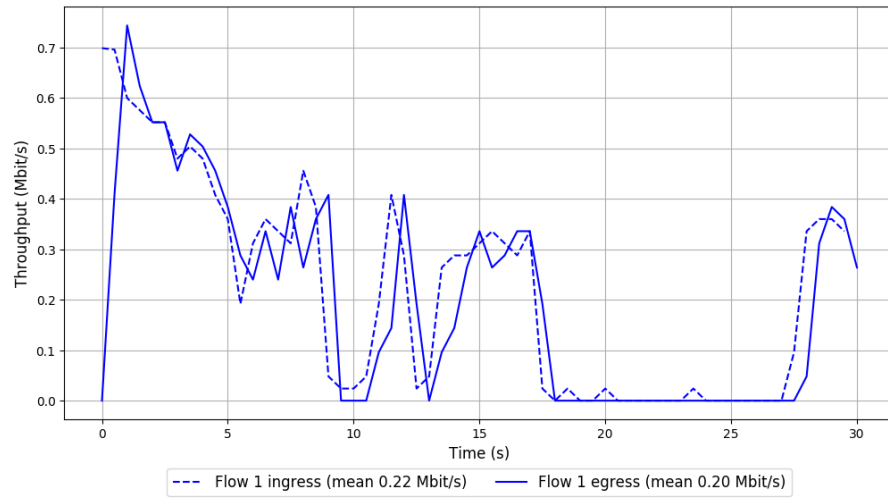
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 139.318 ms

Loss rate: 8.80%

Run 5: Report of TCP Cubic — Data Link

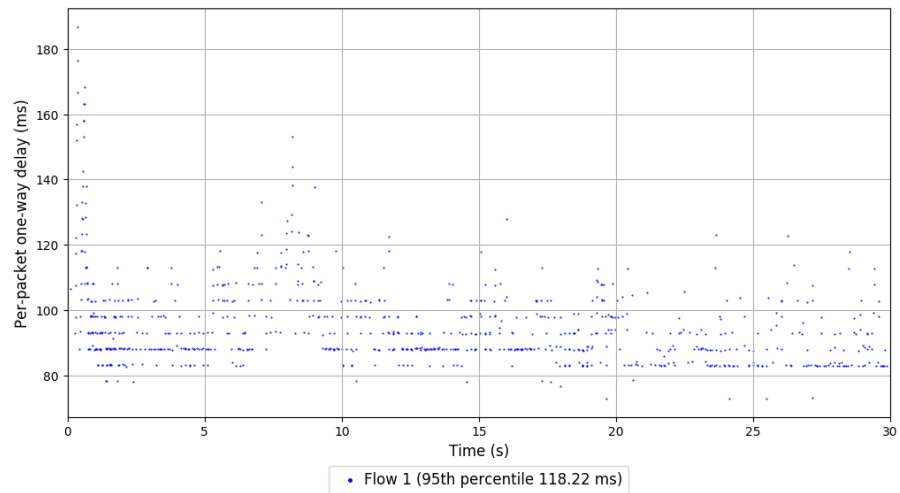
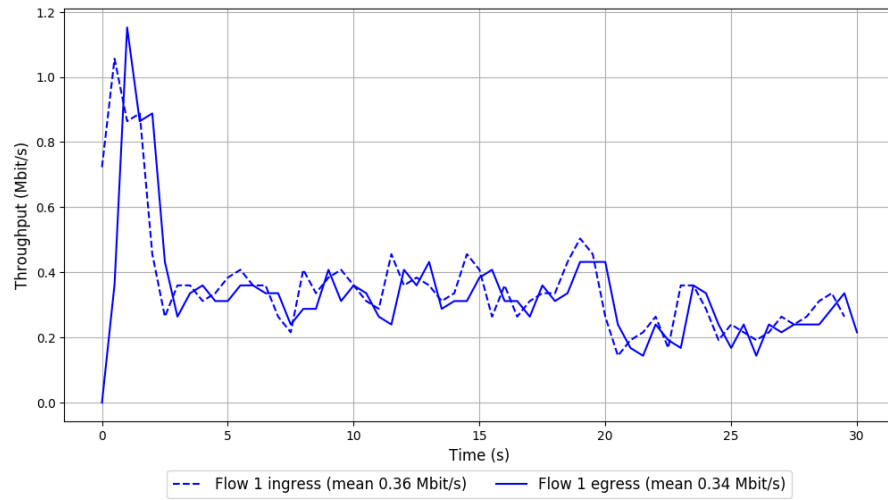


Run 6: Statistics of TCP Cubic

Start at: 2018-05-24 22:29:40
End at: 2018-05-24 22:30:10
Local clock offset: -5.515 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-05-25 00:07:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 118.215 ms
Loss rate: 5.93%
-- Flow 1:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 118.215 ms
Loss rate: 5.93%

Run 6: Report of TCP Cubic — Data Link

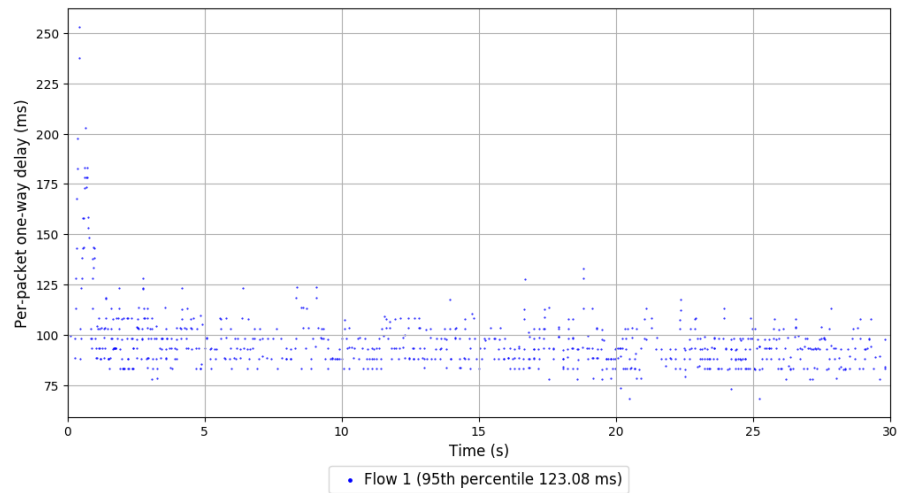
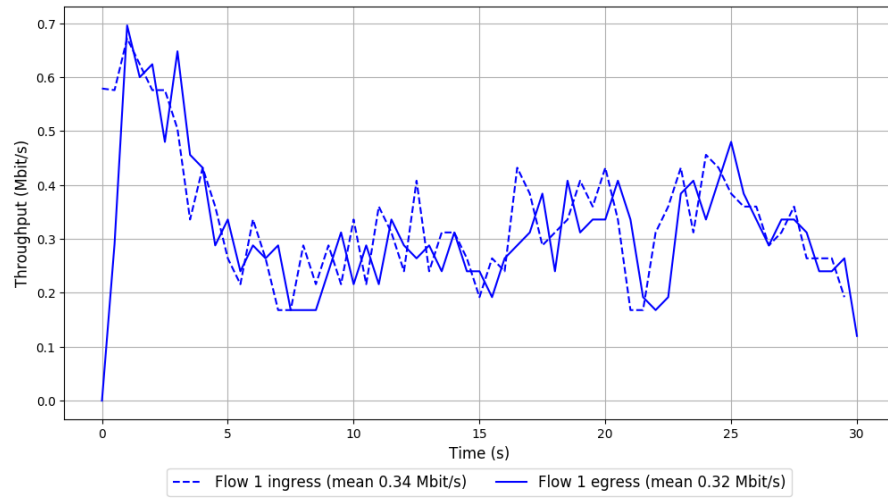


Run 7: Statistics of TCP Cubic

Start at: 2018-05-24 22:49:45
End at: 2018-05-24 22:50:15
Local clock offset: -4.652 ms
Remote clock offset: -0.274 ms

Below is generated by plot.py at 2018-05-25 00:07:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 123.085 ms
Loss rate: 5.78%
-- Flow 1:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 123.085 ms
Loss rate: 5.78%

Run 7: Report of TCP Cubic — Data Link

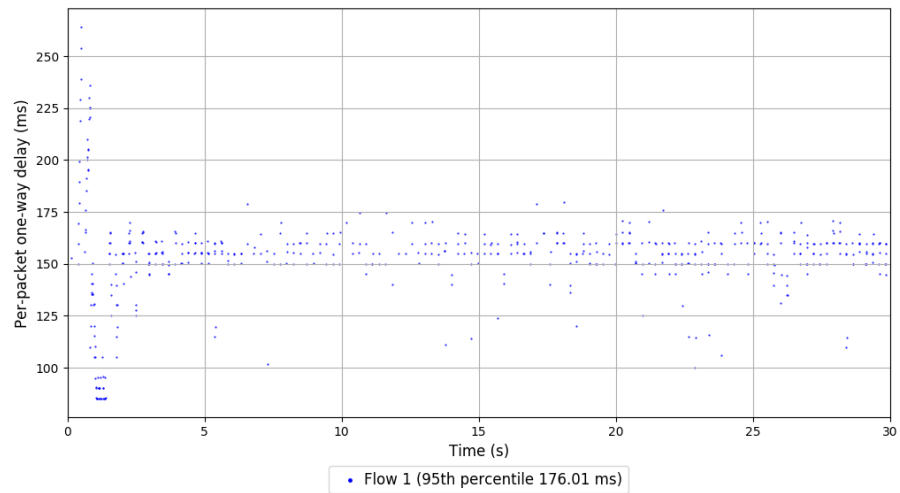
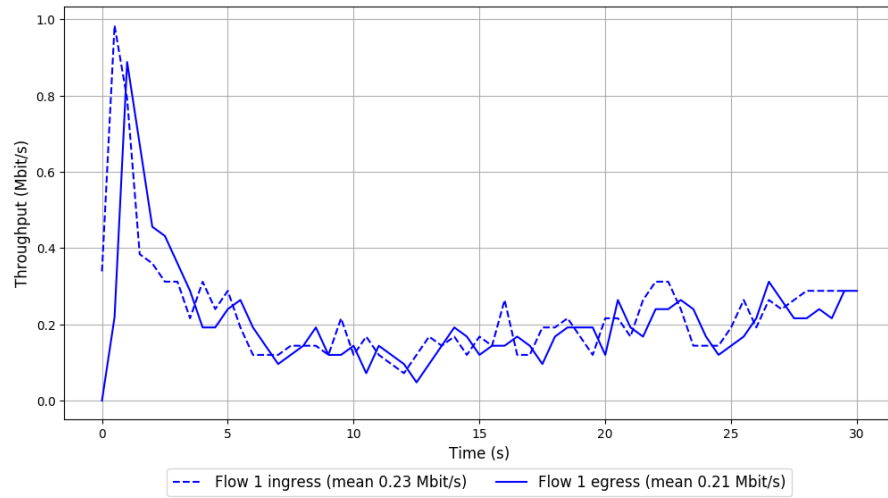


Run 8: Statistics of TCP Cubic

Start at: 2018-05-24 23:09:50
End at: 2018-05-24 23:10:20
Local clock offset: 3.723 ms
Remote clock offset: -0.717 ms

Below is generated by plot.py at 2018-05-25 00:07:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 176.011 ms
Loss rate: 6.54%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 176.011 ms
Loss rate: 6.54%

Run 8: Report of TCP Cubic — Data Link

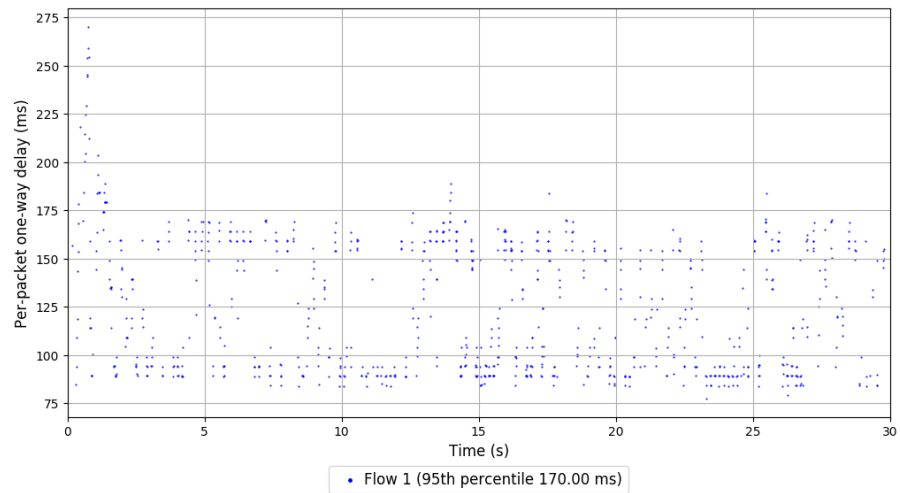
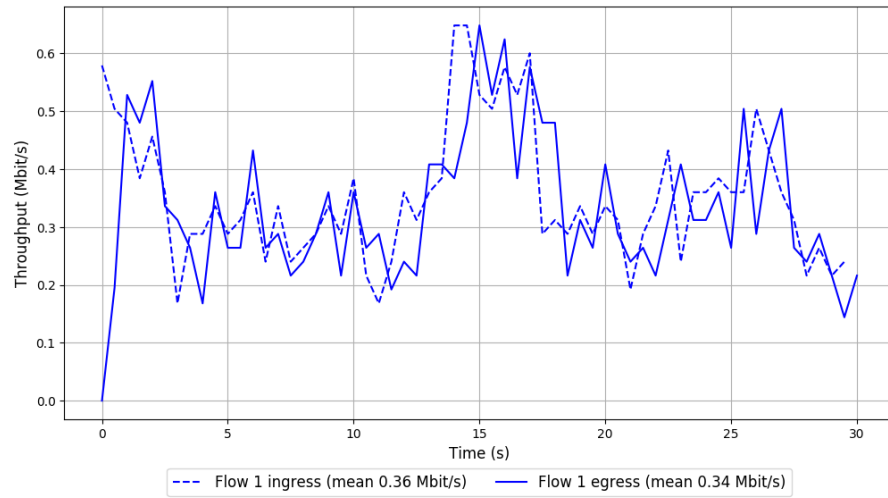


Run 9: Statistics of TCP Cubic

Start at: 2018-05-24 23:29:55
End at: 2018-05-24 23:30:25
Local clock offset: 4.825 ms
Remote clock offset: -0.556 ms

Below is generated by plot.py at 2018-05-25 00:07:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 170.000 ms
Loss rate: 4.74%
-- Flow 1:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 170.000 ms
Loss rate: 4.74%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-05-24 23:50:00

End at: 2018-05-24 23:50:30

Local clock offset: 1.914 ms

Remote clock offset: -0.472 ms

Below is generated by plot.py at 2018-05-25 00:07:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 318.031 ms

Loss rate: 5.38%

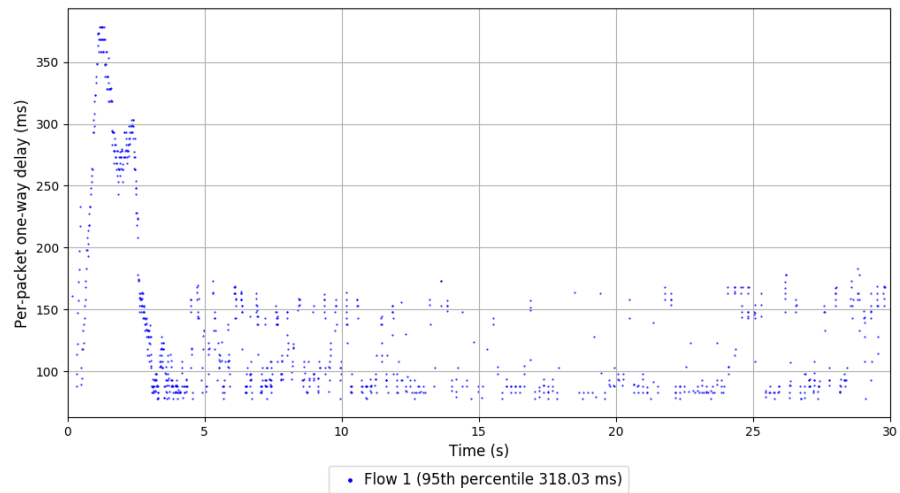
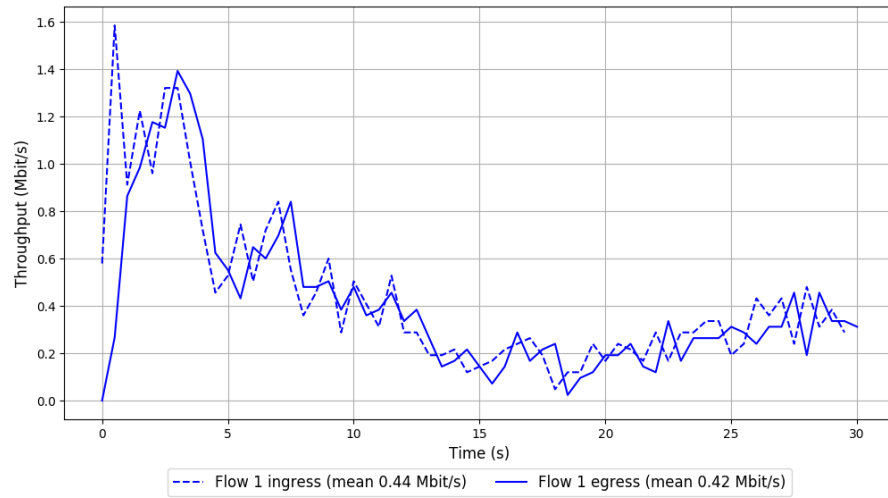
-- Flow 1:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 318.031 ms

Loss rate: 5.38%

Run 10: Report of TCP Cubic — Data Link

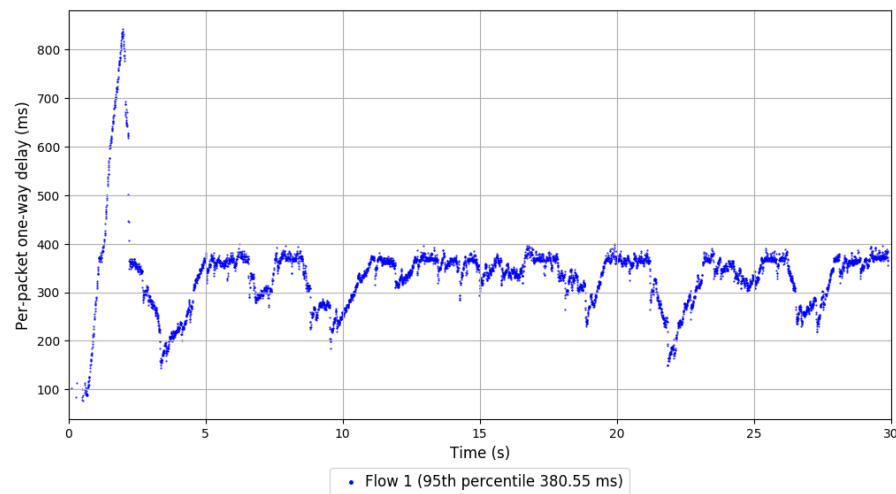
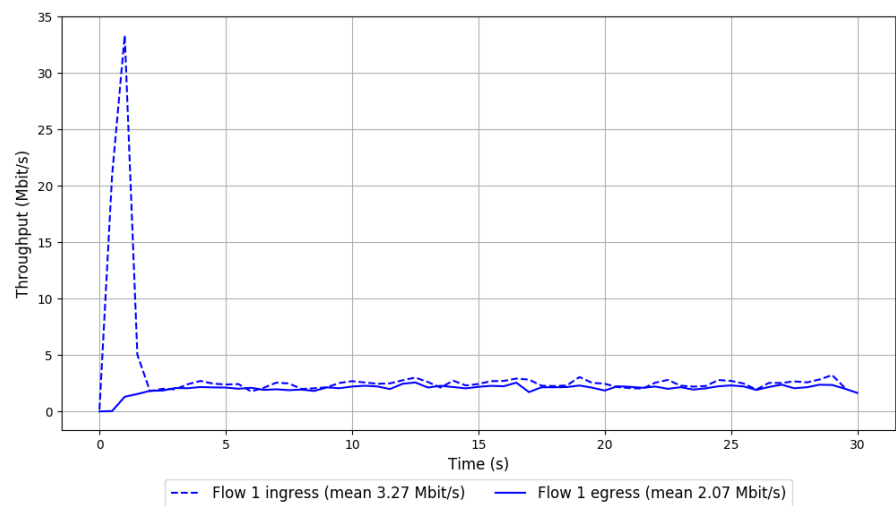


```
Run 1: Statistics of FillP

Start at: 2018-05-24 20:54:17
End at: 2018-05-24 20:54:47
Local clock offset: -3.502 ms
Remote clock offset: 0.1 ms

# Below is generated by plot.py at 2018-05-25 00:07:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 380.552 ms
Loss rate: 37.05%
-- Flow 1:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 380.552 ms
Loss rate: 37.05%
```

Run 1: Report of FillP — Data Link

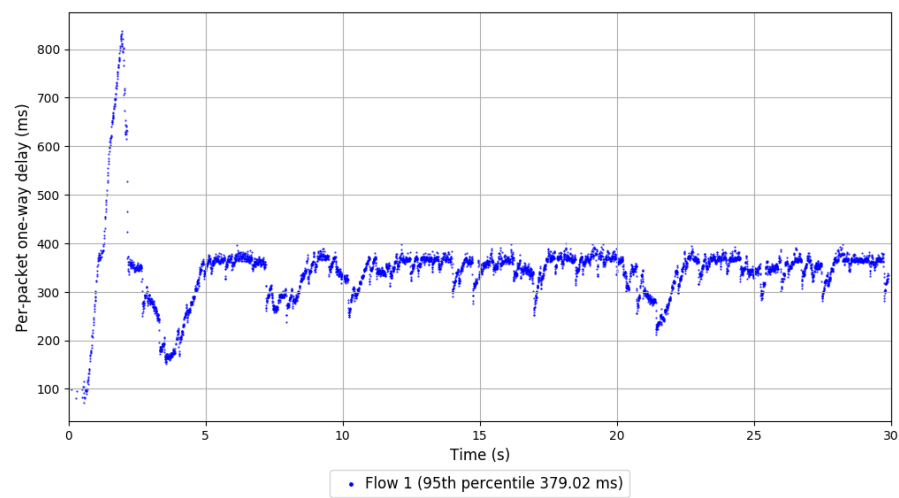
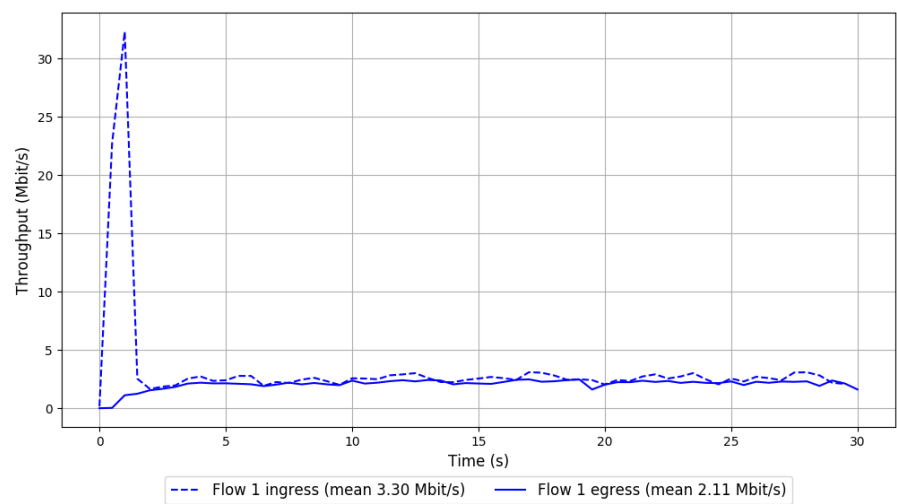


Run 2: Statistics of FillP

Start at: 2018-05-24 21:14:22
End at: 2018-05-24 21:14:52
Local clock offset: -4.448 ms
Remote clock offset: -0.498 ms

Below is generated by plot.py at 2018-05-25 00:07:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 379.023 ms
Loss rate: 36.55%
-- Flow 1:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 379.023 ms
Loss rate: 36.55%

Run 2: Report of FillP — Data Link

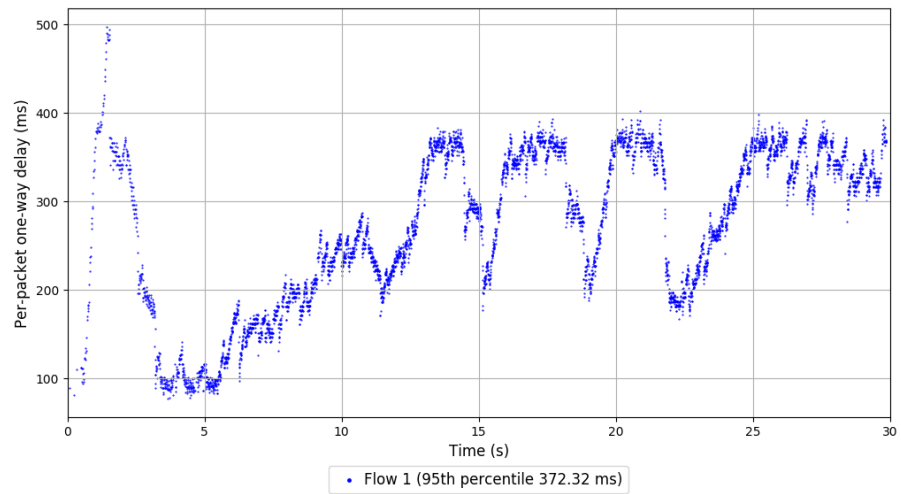
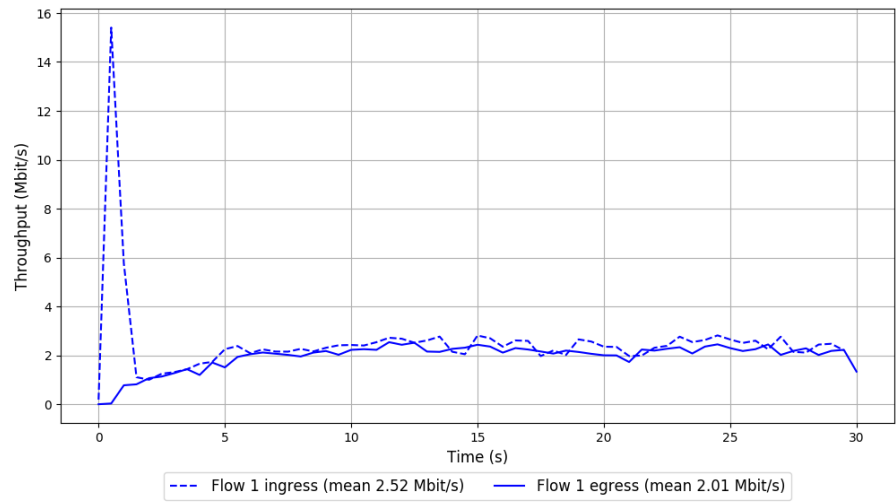


Run 3: Statistics of FillP

Start at: 2018-05-24 21:34:27
End at: 2018-05-24 21:34:57
Local clock offset: -5.956 ms
Remote clock offset: -0.843 ms

Below is generated by plot.py at 2018-05-25 00:07:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 372.322 ms
Loss rate: 20.72%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 372.322 ms
Loss rate: 20.72%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-05-24 21:54:32

End at: 2018-05-24 21:55:02

Local clock offset: -7.278 ms

Remote clock offset: 0.069 ms

Below is generated by plot.py at 2018-05-25 00:07:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 378.482 ms

Loss rate: 38.02%

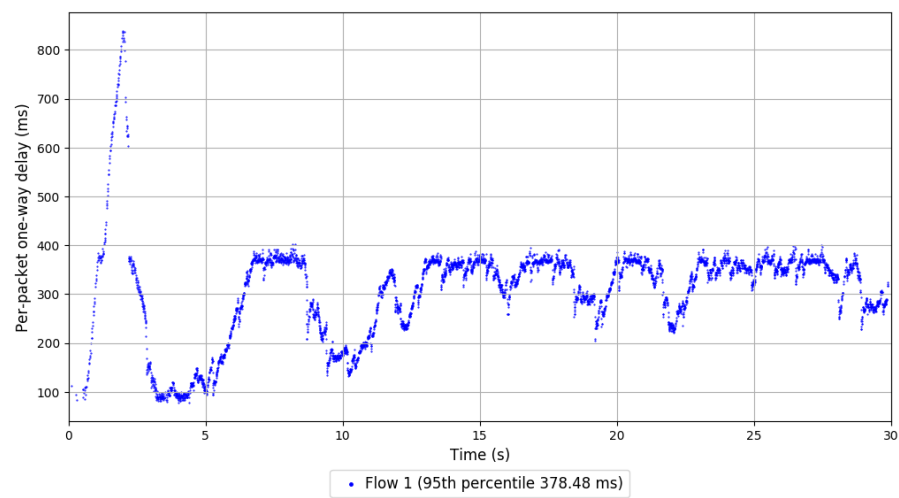
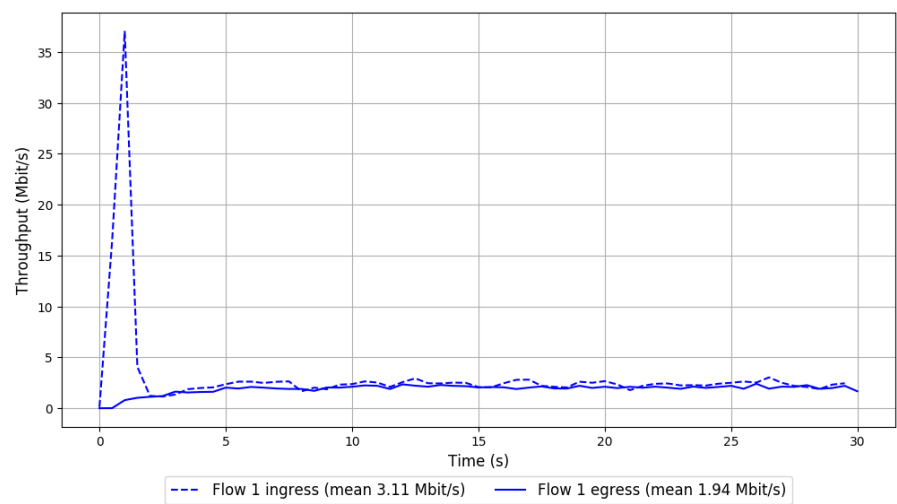
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 378.482 ms

Loss rate: 38.02%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-05-24 22:14:37

End at: 2018-05-24 22:15:07

Local clock offset: -5.871 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-05-25 00:07:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.02 Mbit/s

95th percentile per-packet one-way delay: 377.453 ms

Loss rate: 37.36%

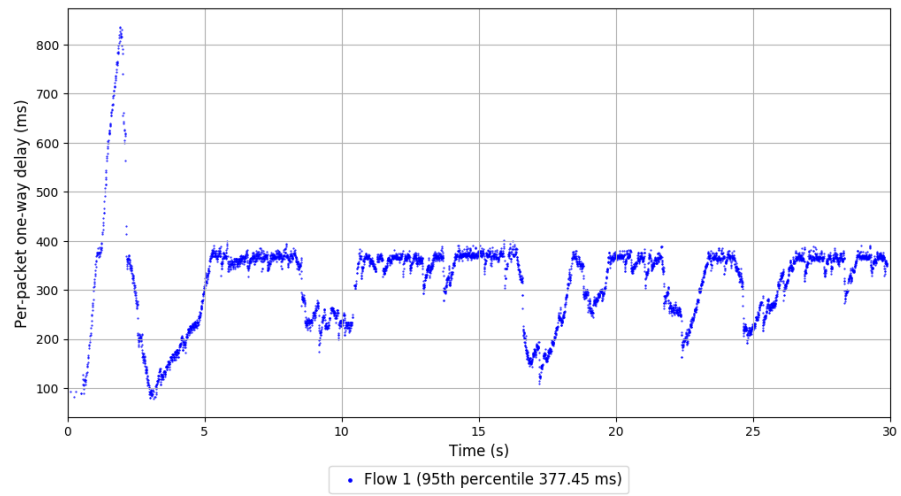
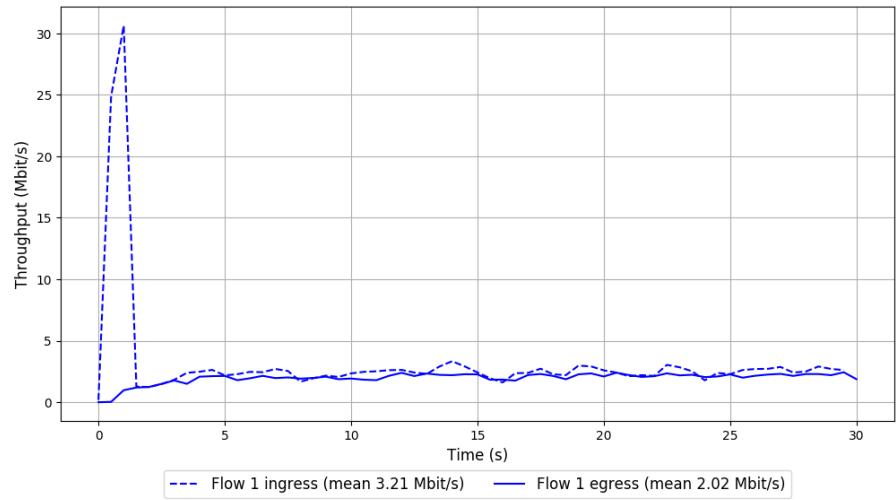
-- Flow 1:

Average throughput: 2.02 Mbit/s

95th percentile per-packet one-way delay: 377.453 ms

Loss rate: 37.36%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

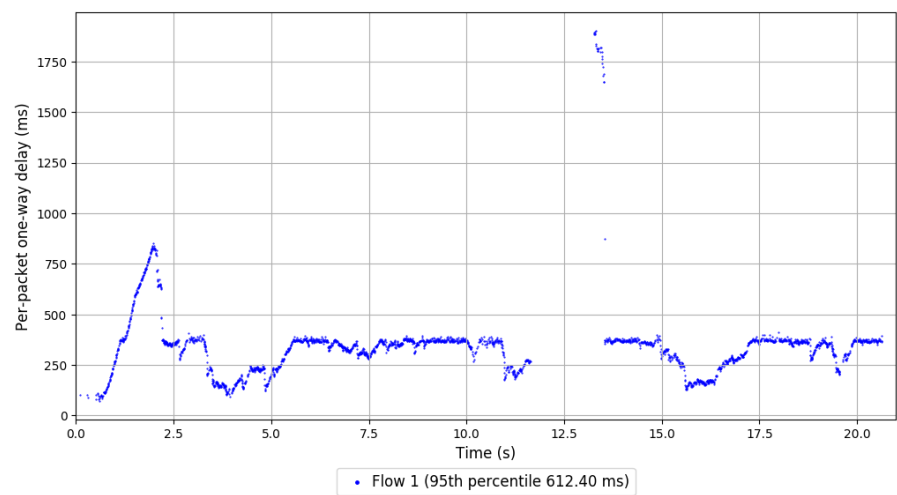
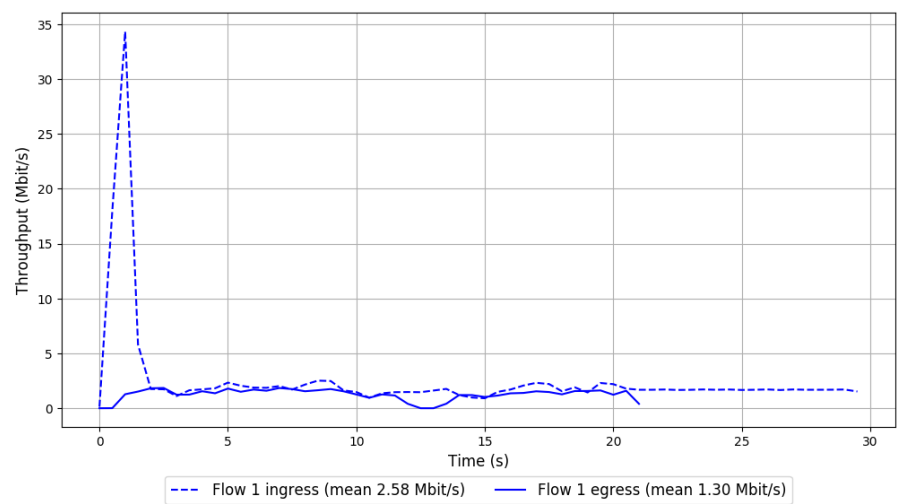
Start at: 2018-05-24 22:34:42

End at: 2018-05-24 22:35:12

Local clock offset: -5.115 ms

Remote clock offset: 0.035 ms

Run 6: Report of FillP — Data Link

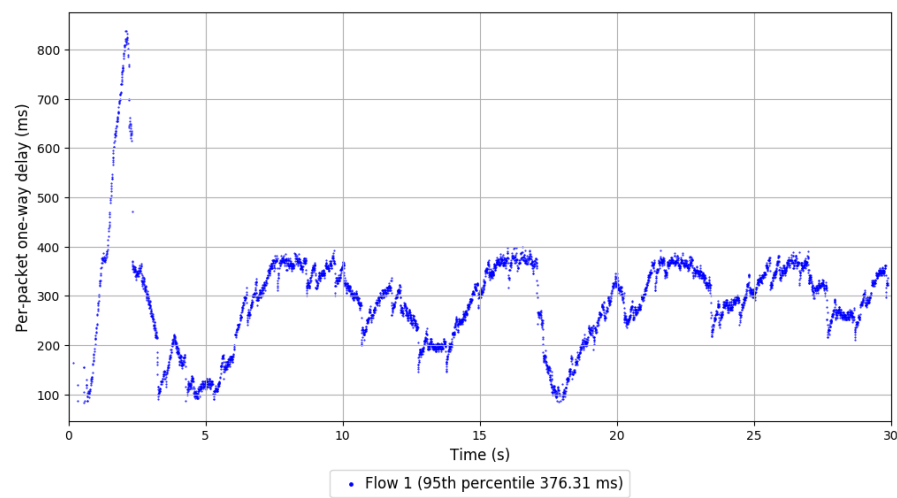
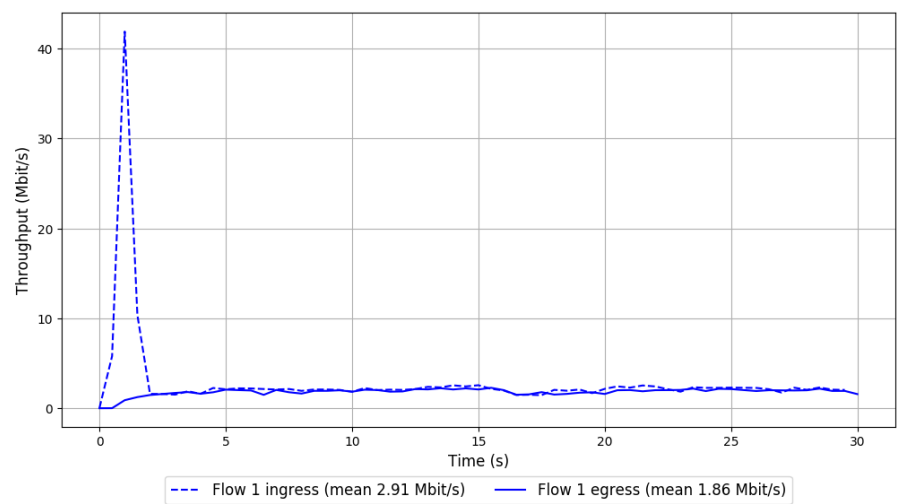


Run 7: Statistics of FillP

Start at: 2018-05-24 22:54:47
End at: 2018-05-24 22:55:17
Local clock offset: -4.772 ms
Remote clock offset: -0.492 ms

Below is generated by plot.py at 2018-05-25 00:07:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 376.306 ms
Loss rate: 36.64%
-- Flow 1:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 376.306 ms
Loss rate: 36.64%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-05-24 23:14:52

End at: 2018-05-24 23:15:22

Local clock offset: 5.034 ms

Remote clock offset: -0.81 ms

Below is generated by plot.py at 2018-05-25 00:07:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.64 Mbit/s

95th percentile per-packet one-way delay: 376.166 ms

Loss rate: 39.92%

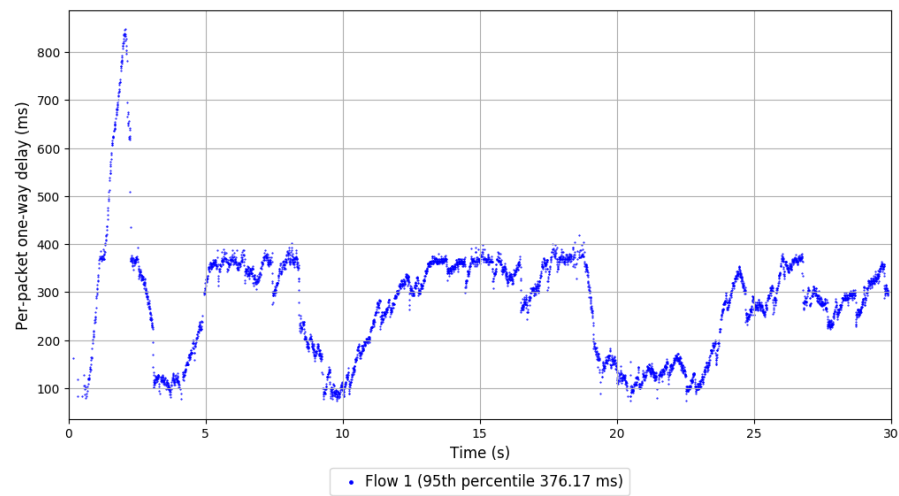
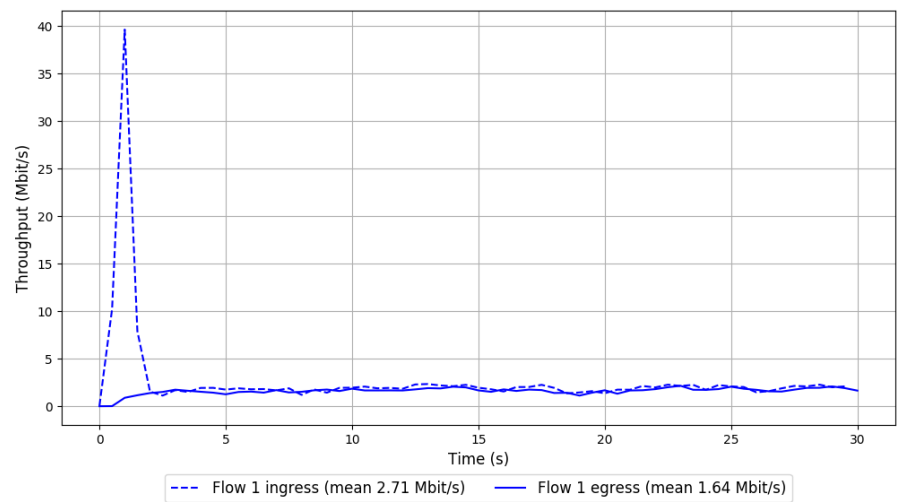
-- Flow 1:

Average throughput: 1.64 Mbit/s

95th percentile per-packet one-way delay: 376.166 ms

Loss rate: 39.92%

Run 8: Report of FillP — Data Link

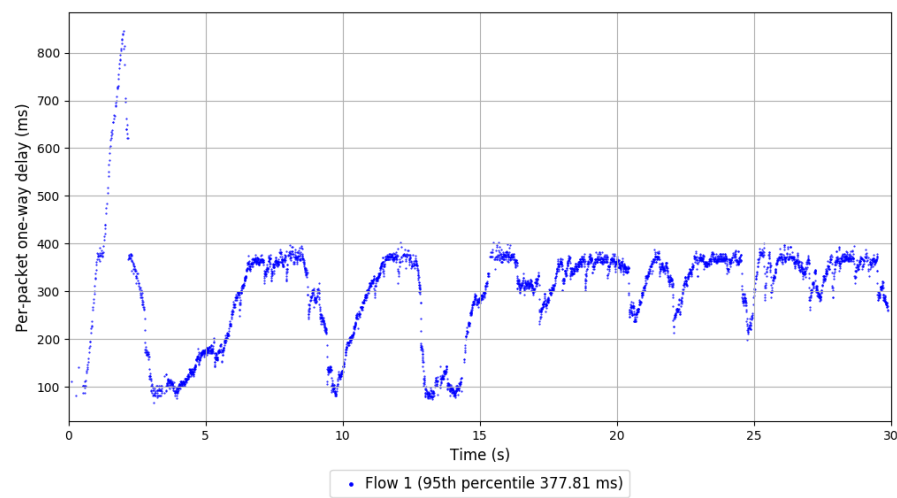
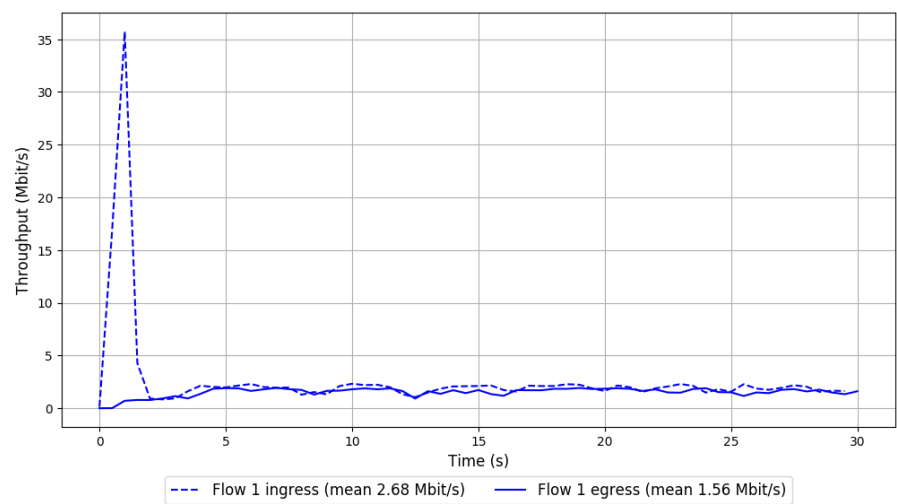


Run 9: Statistics of FillP

Start at: 2018-05-24 23:34:57
End at: 2018-05-24 23:35:27
Local clock offset: 3.138 ms
Remote clock offset: -0.463 ms

Below is generated by plot.py at 2018-05-25 00:07:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.56 Mbit/s
95th percentile per-packet one-way delay: 377.806 ms
Loss rate: 42.10%
-- Flow 1:
Average throughput: 1.56 Mbit/s
95th percentile per-packet one-way delay: 377.806 ms
Loss rate: 42.10%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-05-24 23:55:02

End at: 2018-05-24 23:55:32

Local clock offset: 1.895 ms

Remote clock offset: -0.496 ms

Below is generated by plot.py at 2018-05-25 00:07:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.22 Mbit/s

95th percentile per-packet one-way delay: 376.557 ms

Loss rate: 35.65%

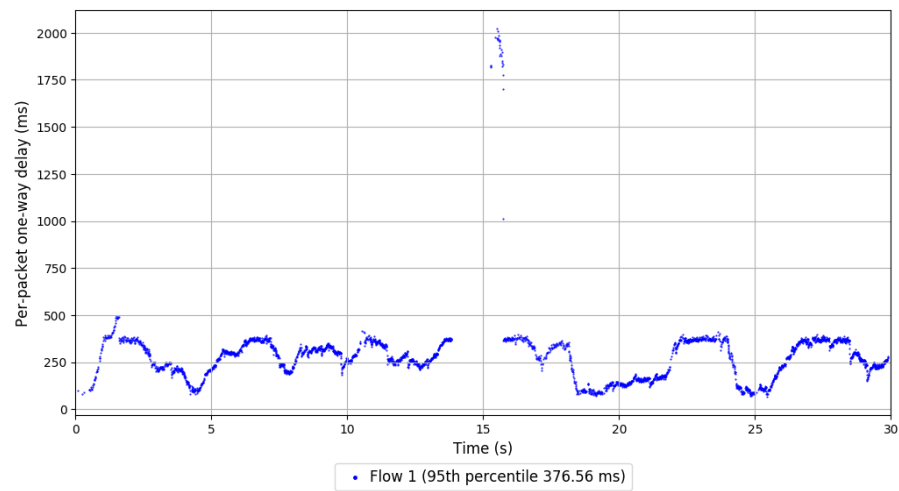
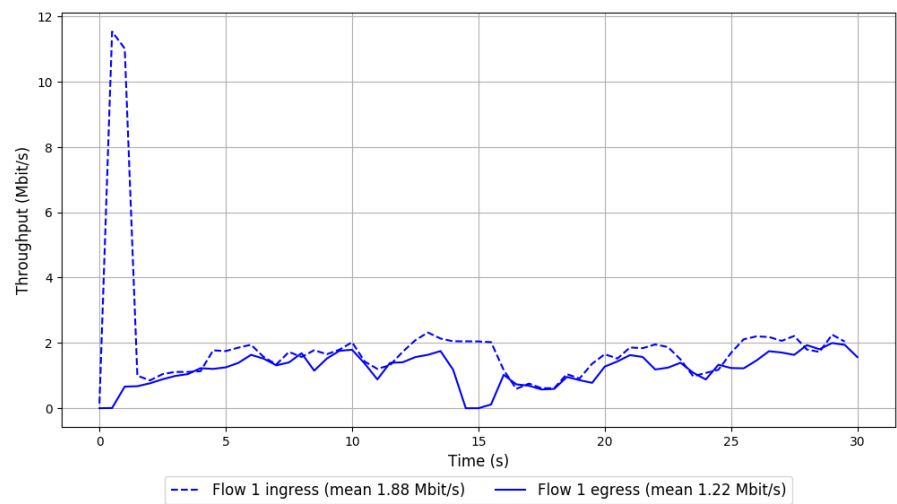
-- Flow 1:

Average throughput: 1.22 Mbit/s

95th percentile per-packet one-way delay: 376.557 ms

Loss rate: 35.65%

Run 10: Report of FillP — Data Link



Run 1: Statistics of Indigo

Start at: 2018-05-24 20:46:44

End at: 2018-05-24 20:47:14

Local clock offset: -3.065 ms

Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-05-25 00:07:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.75 Mbit/s

95th percentile per-packet one-way delay: 143.625 ms

Loss rate: 6.09%

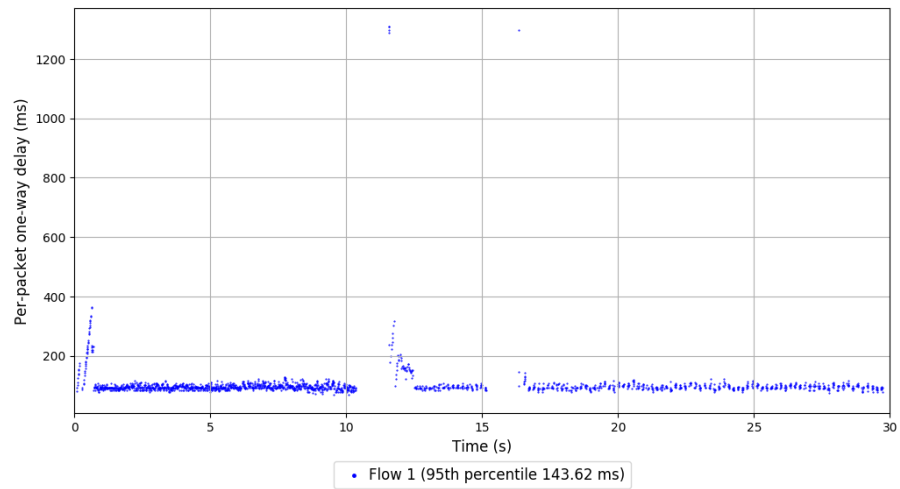
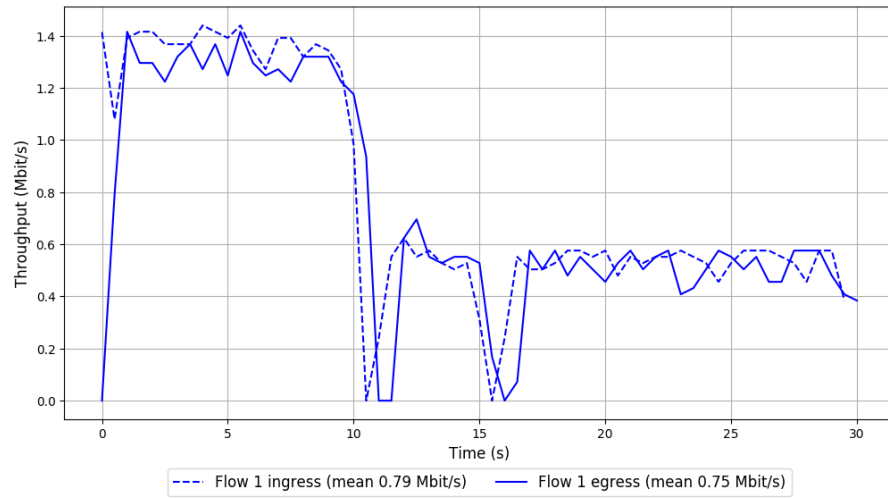
-- Flow 1:

Average throughput: 0.75 Mbit/s

95th percentile per-packet one-way delay: 143.625 ms

Loss rate: 6.09%

Run 1: Report of Indigo — Data Link

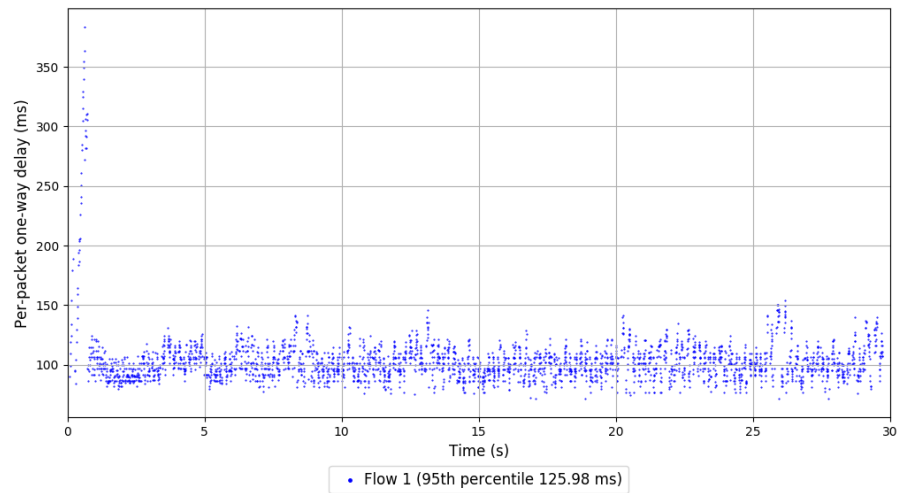
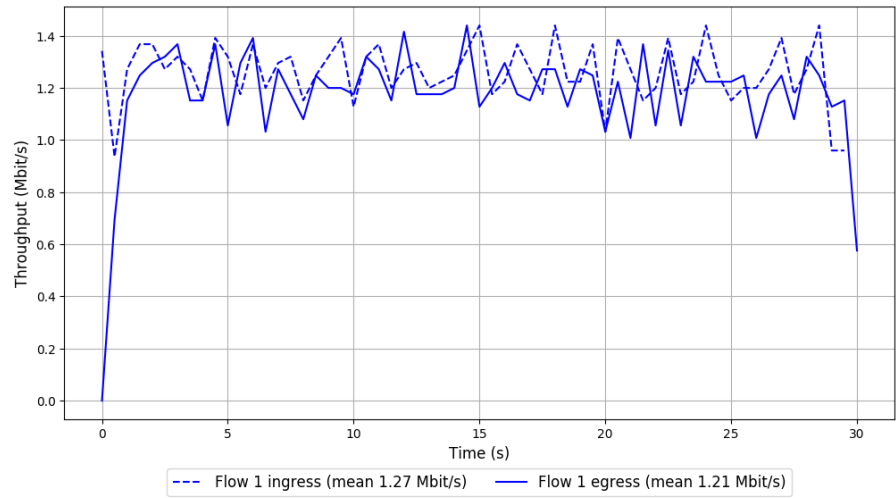


Run 2: Statistics of Indigo

Start at: 2018-05-24 21:06:50
End at: 2018-05-24 21:07:20
Local clock offset: -4.221 ms
Remote clock offset: -0.233 ms

Below is generated by plot.py at 2018-05-25 00:07:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 125.983 ms
Loss rate: 5.21%
-- Flow 1:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 125.983 ms
Loss rate: 5.21%

Run 2: Report of Indigo — Data Link

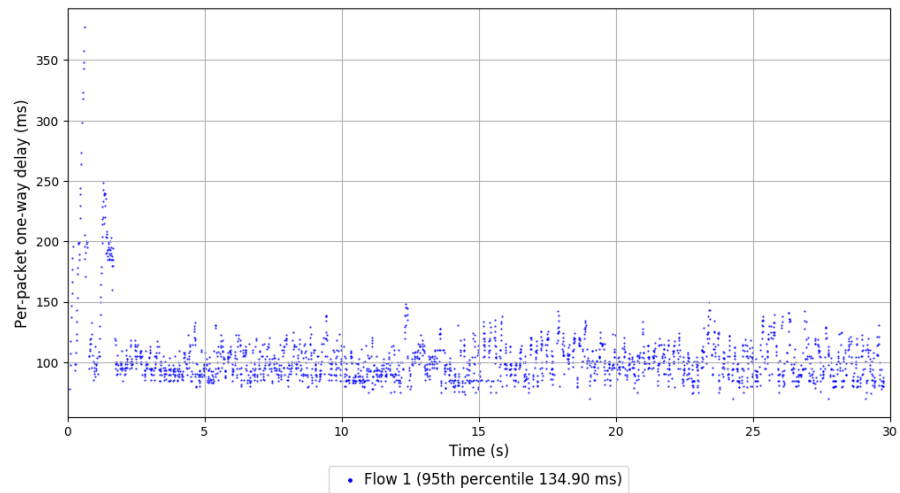
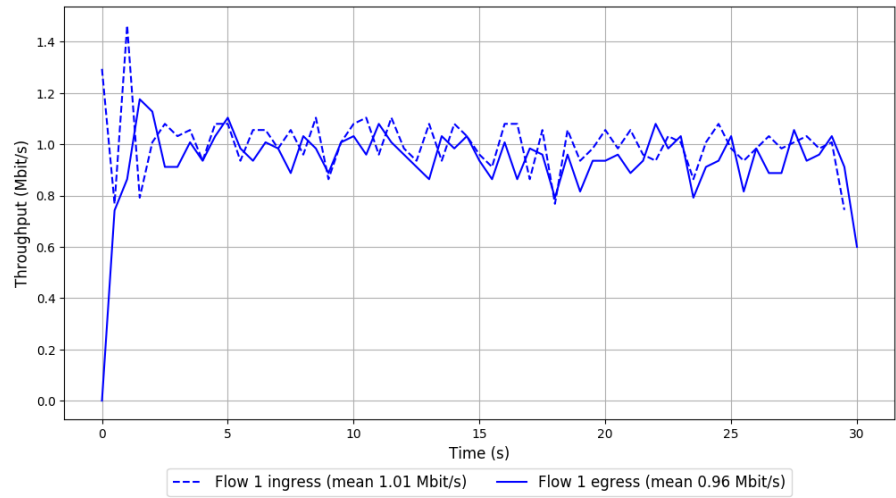


Run 3: Statistics of Indigo

Start at: 2018-05-24 21:26:55
End at: 2018-05-24 21:27:25
Local clock offset: -5.291 ms
Remote clock offset: -0.699 ms

Below is generated by plot.py at 2018-05-25 00:07:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.96 Mbit/s
95th percentile per-packet one-way delay: 134.896 ms
Loss rate: 5.33%
-- Flow 1:
Average throughput: 0.96 Mbit/s
95th percentile per-packet one-way delay: 134.896 ms
Loss rate: 5.33%

Run 3: Report of Indigo — Data Link

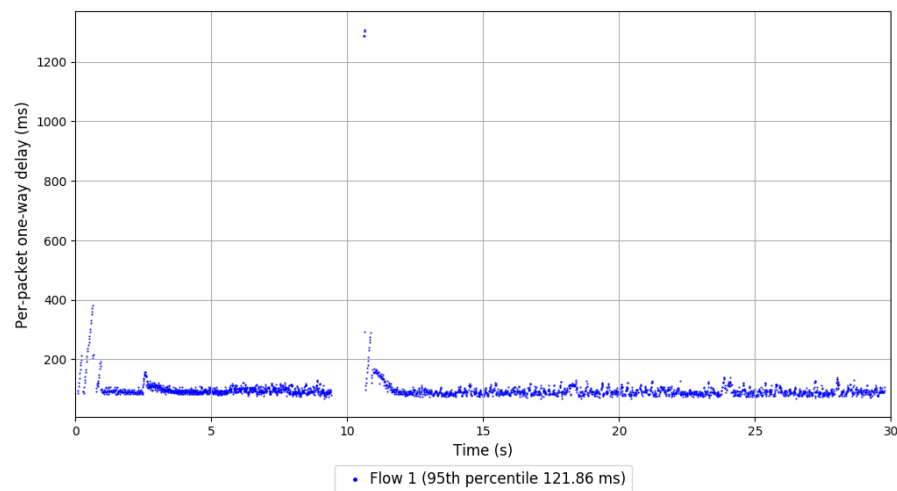
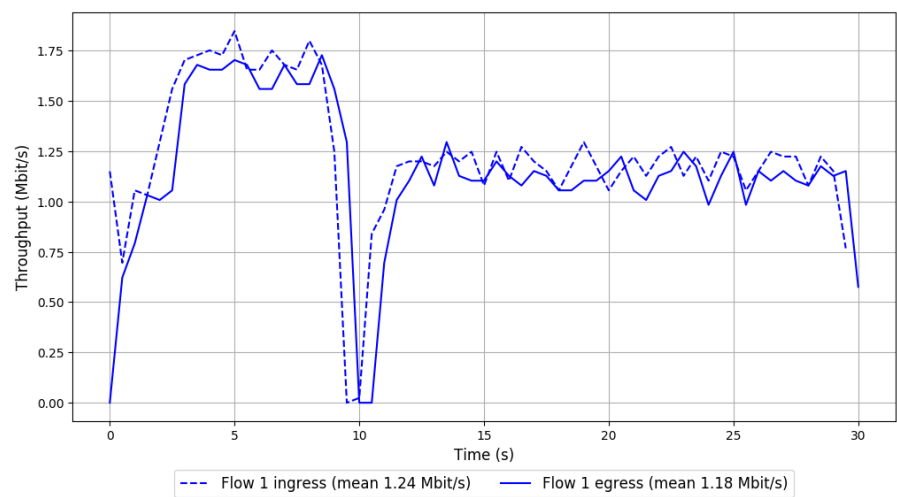


Run 4: Statistics of Indigo

Start at: 2018-05-24 21:47:00
End at: 2018-05-24 21:47:30
Local clock offset: -6.859 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-05-25 00:07:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 121.865 ms
Loss rate: 5.33%
-- Flow 1:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 121.865 ms
Loss rate: 5.33%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-05-24 22:07:04

End at: 2018-05-24 22:07:35

Local clock offset: -6.144 ms

Remote clock offset: 0.097 ms

Below is generated by plot.py at 2018-05-25 00:07:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.28 Mbit/s

95th percentile per-packet one-way delay: 129.520 ms

Loss rate: 6.18%

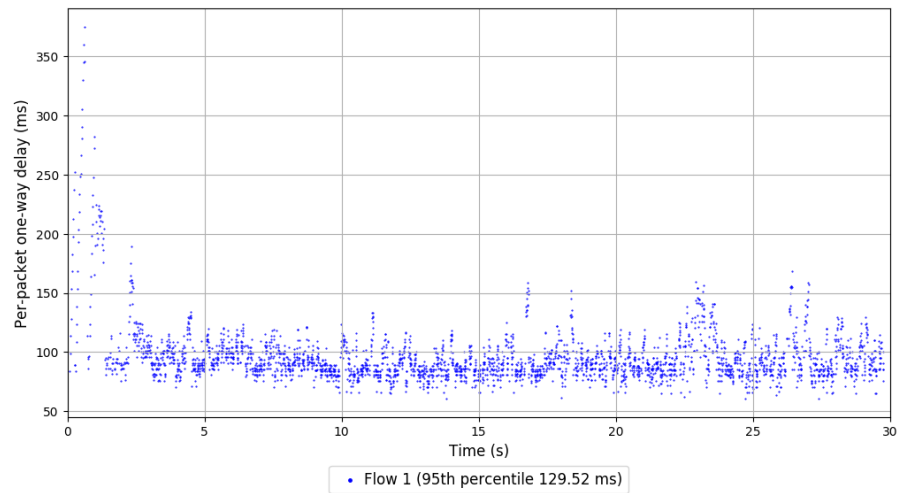
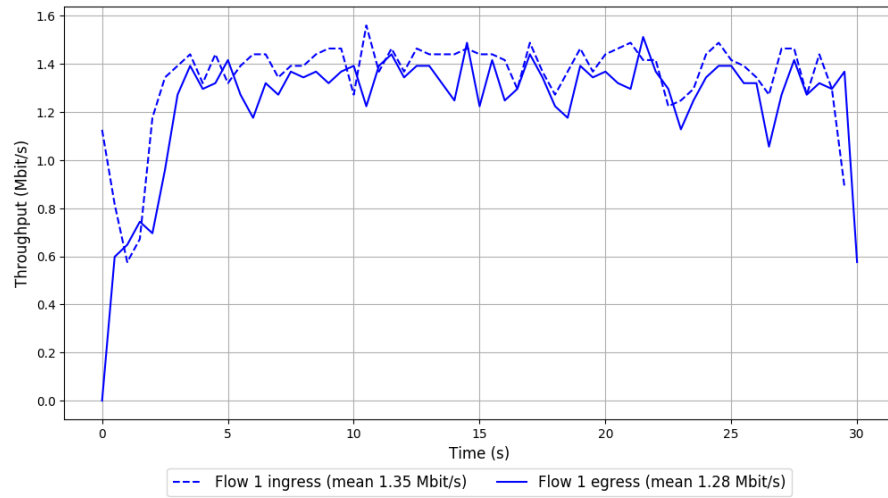
-- Flow 1:

Average throughput: 1.28 Mbit/s

95th percentile per-packet one-way delay: 129.520 ms

Loss rate: 6.18%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-05-24 22:27:09

End at: 2018-05-24 22:27:39

Local clock offset: -5.803 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-05-25 00:07:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.12 Mbit/s

95th percentile per-packet one-way delay: 132.041 ms

Loss rate: 6.37%

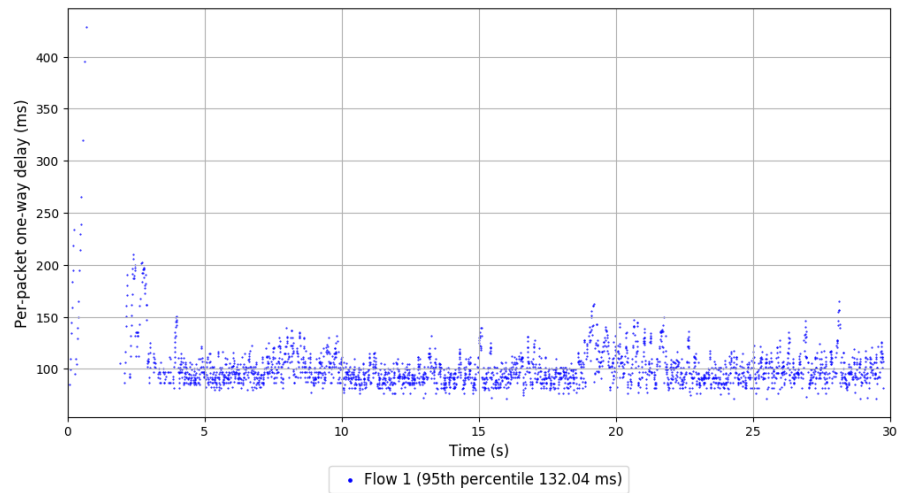
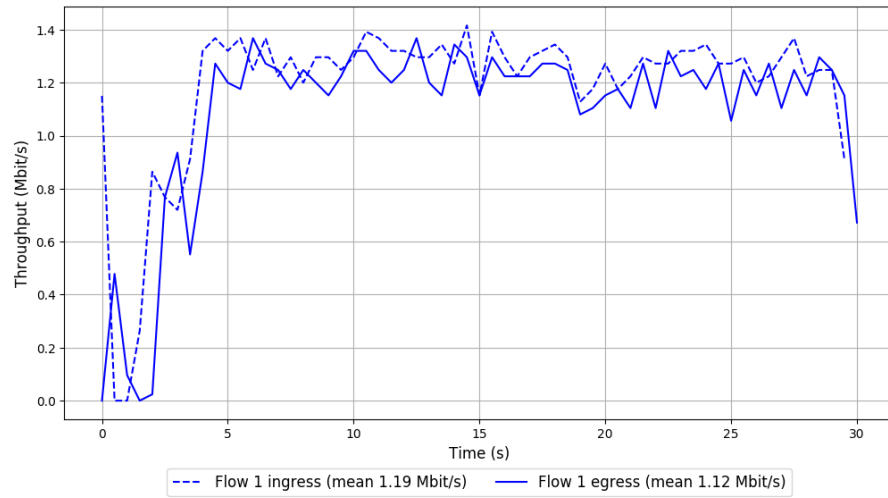
-- Flow 1:

Average throughput: 1.12 Mbit/s

95th percentile per-packet one-way delay: 132.041 ms

Loss rate: 6.37%

Run 6: Report of Indigo — Data Link

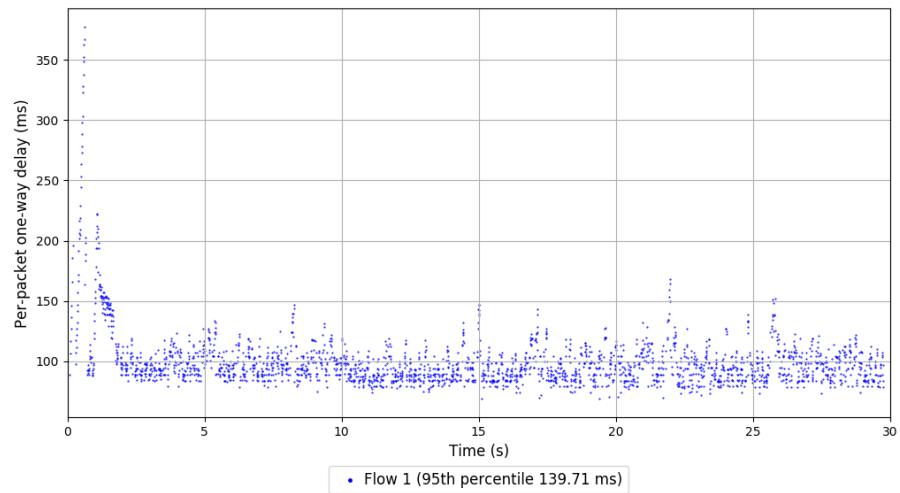
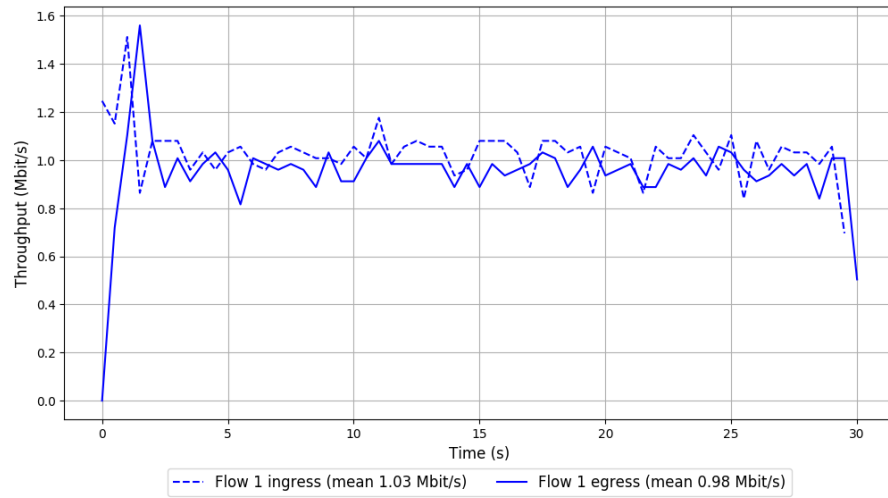


Run 7: Statistics of Indigo

Start at: 2018-05-24 22:47:15
End at: 2018-05-24 22:47:45
Local clock offset: -4.782 ms
Remote clock offset: -0.234 ms

Below is generated by plot.py at 2018-05-25 00:07:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.98 Mbit/s
95th percentile per-packet one-way delay: 139.714 ms
Loss rate: 6.06%
-- Flow 1:
Average throughput: 0.98 Mbit/s
95th percentile per-packet one-way delay: 139.714 ms
Loss rate: 6.06%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-05-24 23:07:20

End at: 2018-05-24 23:07:50

Local clock offset: 2.945 ms

Remote clock offset: -0.644 ms

Below is generated by plot.py at 2018-05-25 00:07:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 196.098 ms

Loss rate: 7.41%

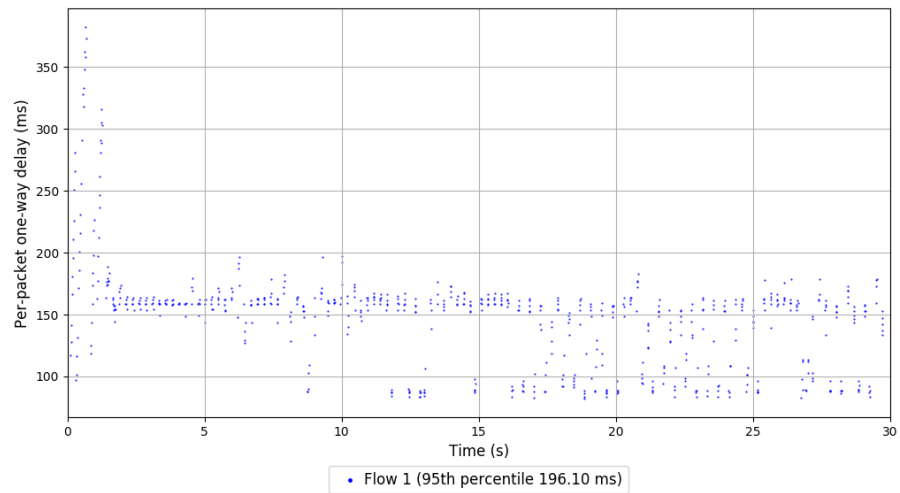
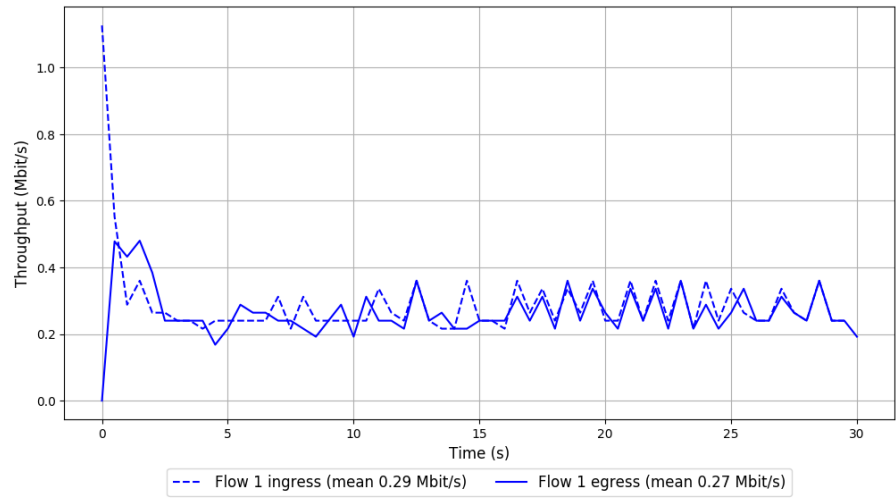
-- Flow 1:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 196.098 ms

Loss rate: 7.41%

Run 8: Report of Indigo — Data Link

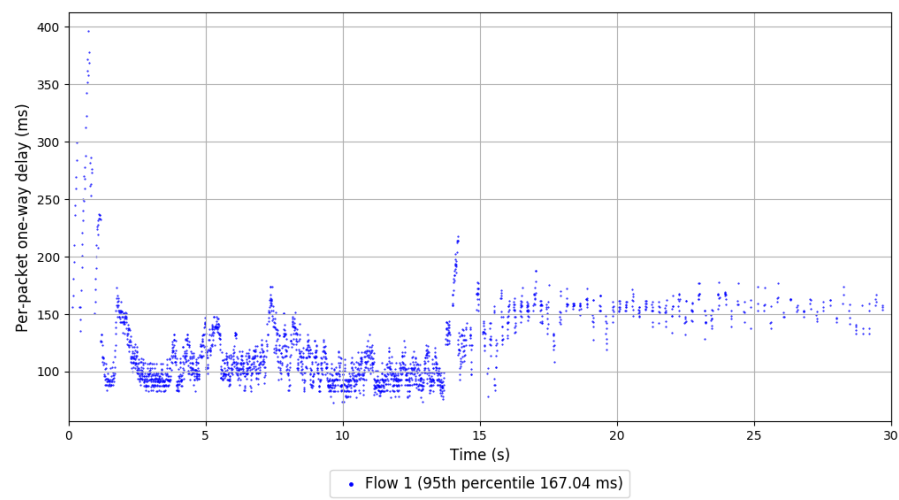
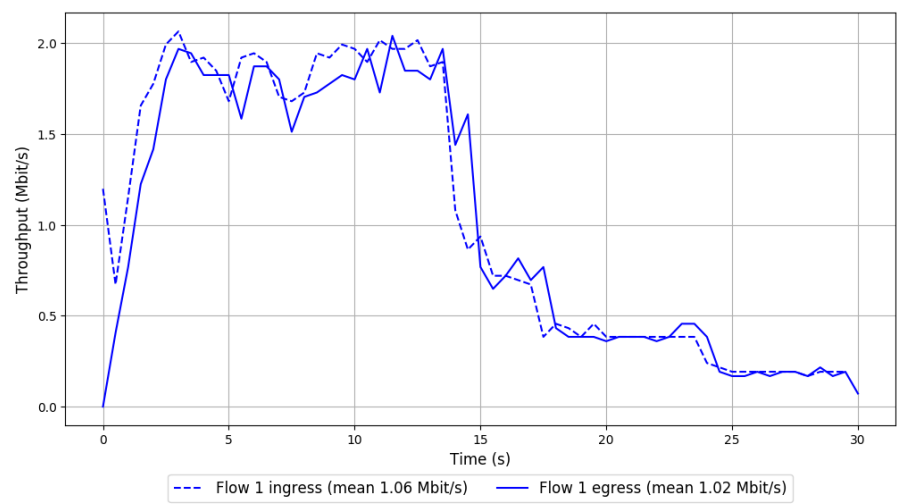


Run 9: Statistics of Indigo

Start at: 2018-05-24 23:27:25
End at: 2018-05-24 23:27:55
Local clock offset: 5.959 ms
Remote clock offset: -0.535 ms

Below is generated by plot.py at 2018-05-25 00:07:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 167.043 ms
Loss rate: 4.81%
-- Flow 1:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 167.043 ms
Loss rate: 4.81%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-05-24 23:47:29

End at: 2018-05-24 23:47:59

Local clock offset: 1.817 ms

Remote clock offset: -0.51 ms

Below is generated by plot.py at 2018-05-25 00:07:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 245.080 ms

Loss rate: 8.08%

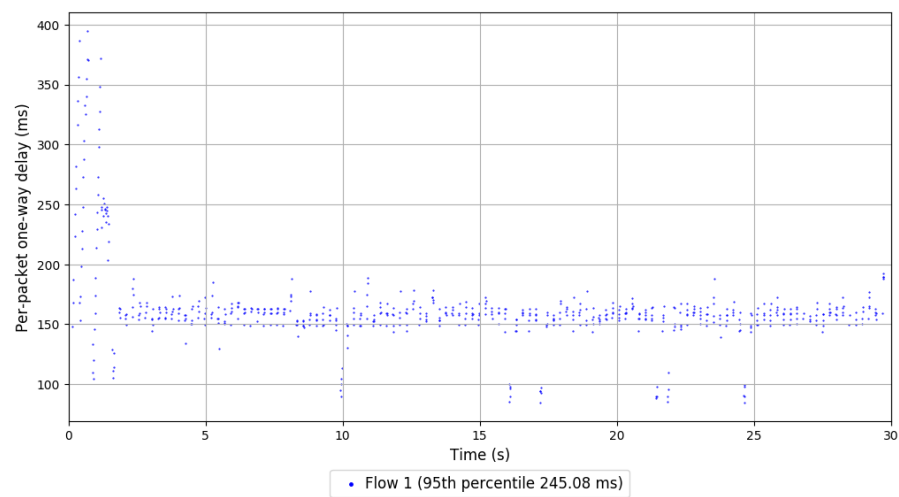
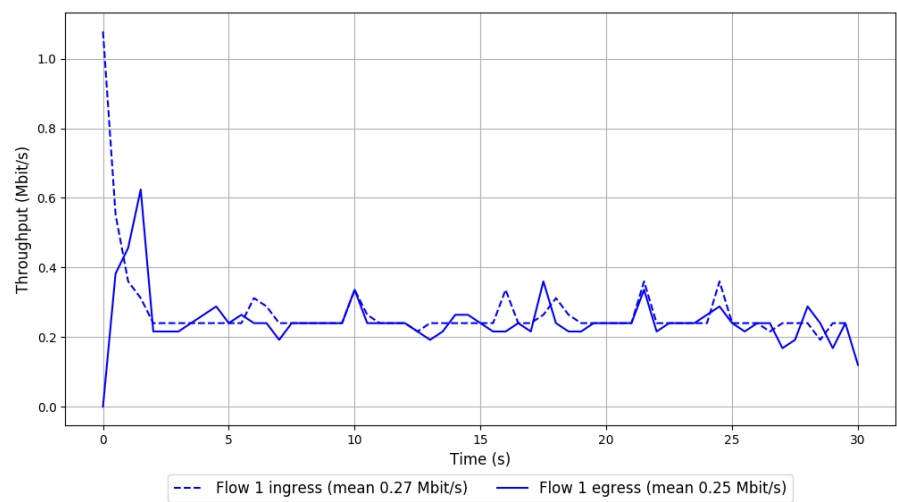
-- Flow 1:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 245.080 ms

Loss rate: 8.08%

Run 10: Report of Indigo — Data Link

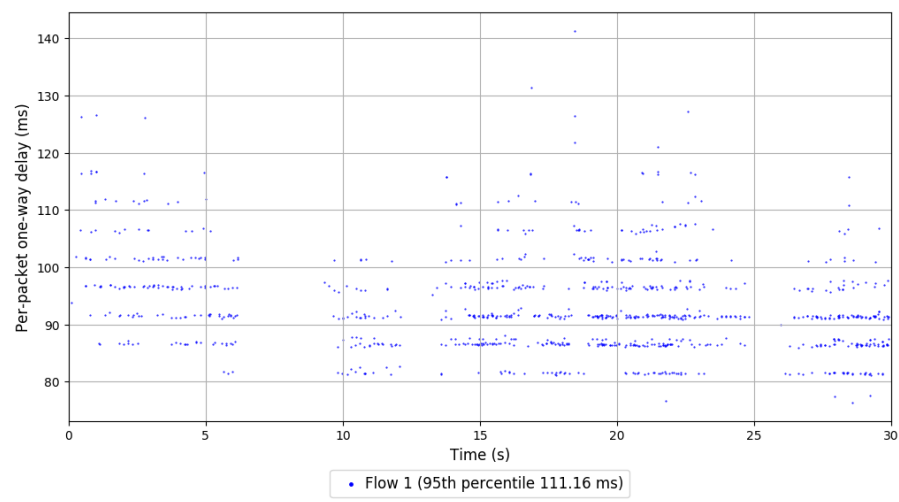
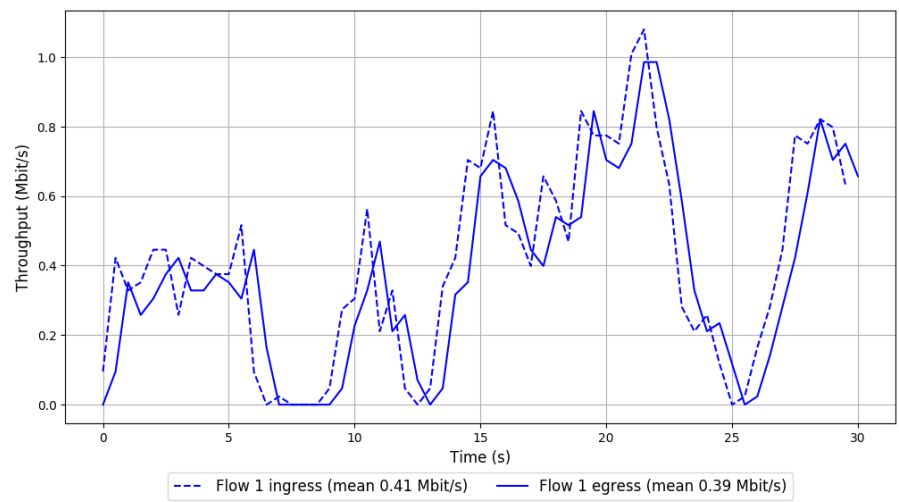


```
Run 1: Statistics of LEDBAT

Start at: 2018-05-24 21:01:48
End at: 2018-05-24 21:02:18
Local clock offset: -4.056 ms
Remote clock offset: 0.015 ms

# Below is generated by plot.py at 2018-05-25 00:07:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 111.162 ms
Loss rate: 6.27%
-- Flow 1:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 111.162 ms
Loss rate: 6.27%
```

Run 1: Report of LEDBAT — Data Link

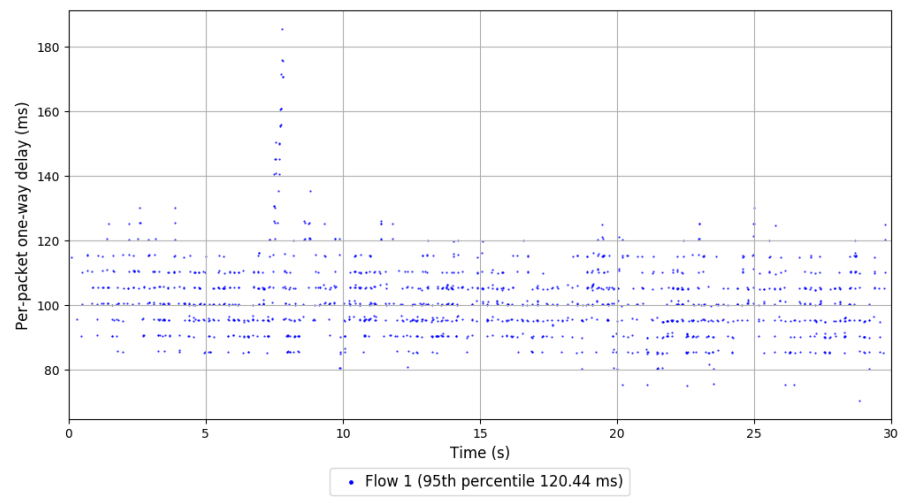
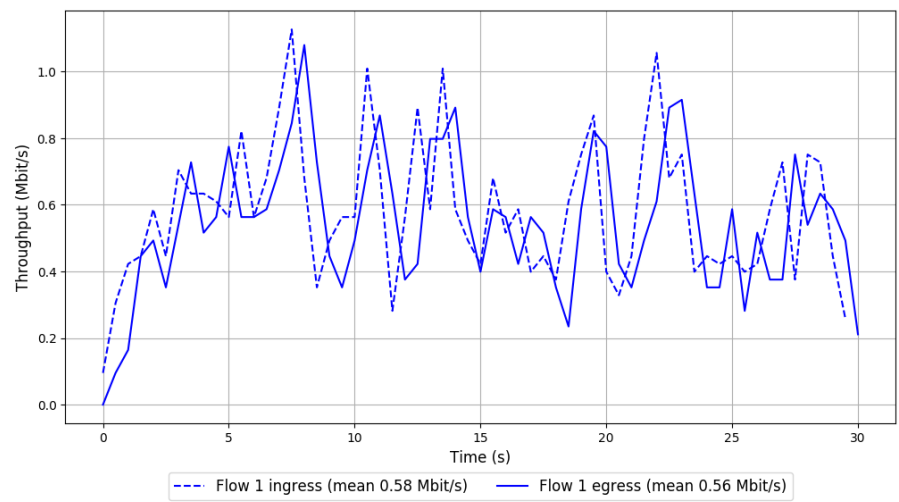


Run 2: Statistics of LEDBAT

Start at: 2018-05-24 21:21:54
End at: 2018-05-24 21:22:24
Local clock offset: -5.039 ms
Remote clock offset: -0.632 ms

Below is generated by plot.py at 2018-05-25 00:07:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 120.441 ms
Loss rate: 4.45%
-- Flow 1:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 120.441 ms
Loss rate: 4.45%

Run 2: Report of LEDBAT — Data Link

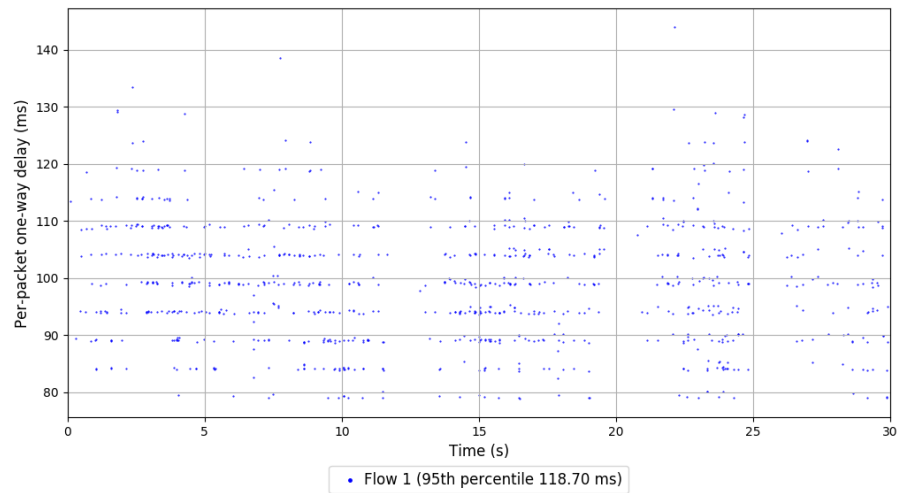
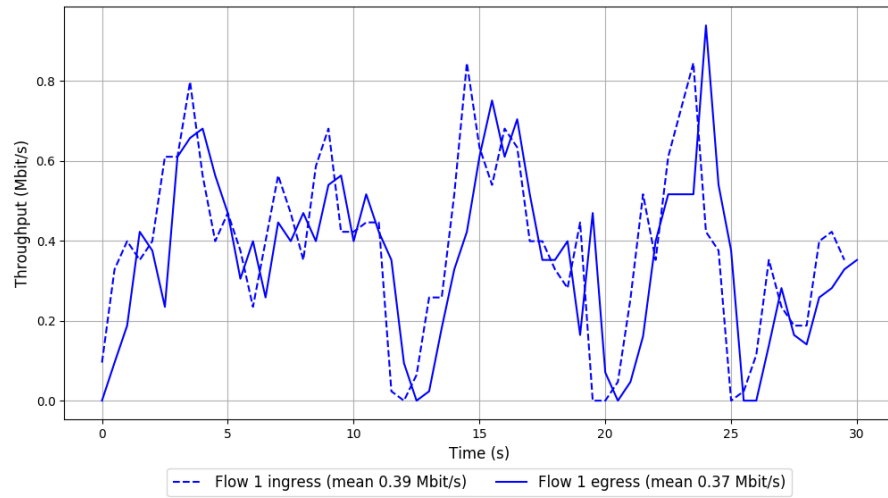


Run 3: Statistics of LEDBAT

Start at: 2018-05-24 21:41:58
End at: 2018-05-24 21:42:28
Local clock offset: -6.505 ms
Remote clock offset: -0.292 ms

Below is generated by plot.py at 2018-05-25 00:07:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 118.699 ms
Loss rate: 5.98%
-- Flow 1:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 118.699 ms
Loss rate: 5.98%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-05-24 22:02:03

End at: 2018-05-24 22:02:33

Local clock offset: -6.521 ms

Remote clock offset: 0.073 ms

Below is generated by plot.py at 2018-05-25 00:07:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 111.058 ms

Loss rate: 9.17%

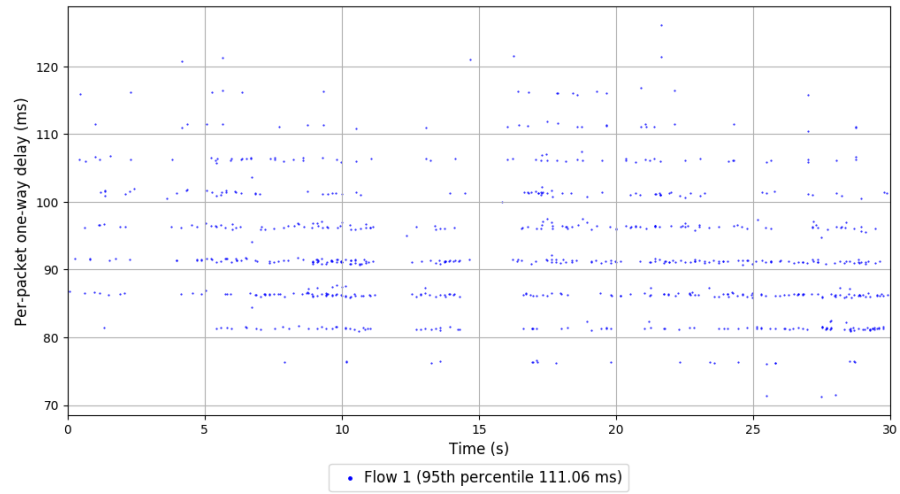
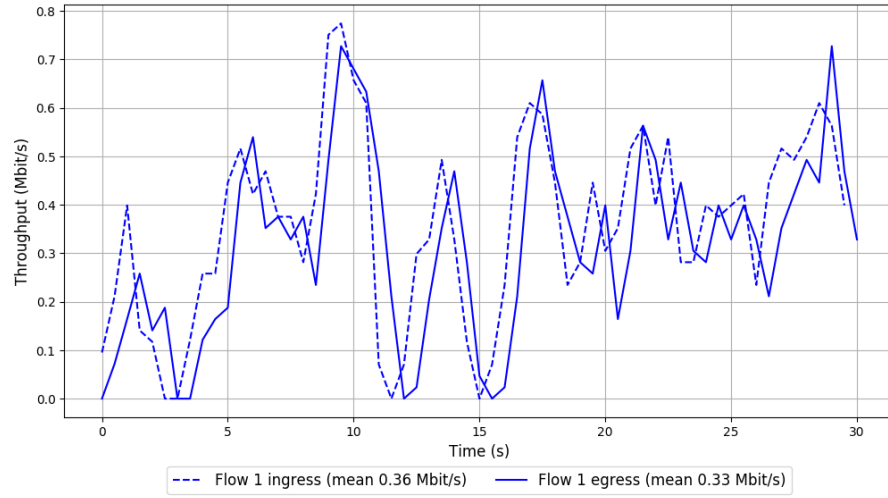
-- Flow 1:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 111.058 ms

Loss rate: 9.17%

Run 4: Report of LEDBAT — Data Link

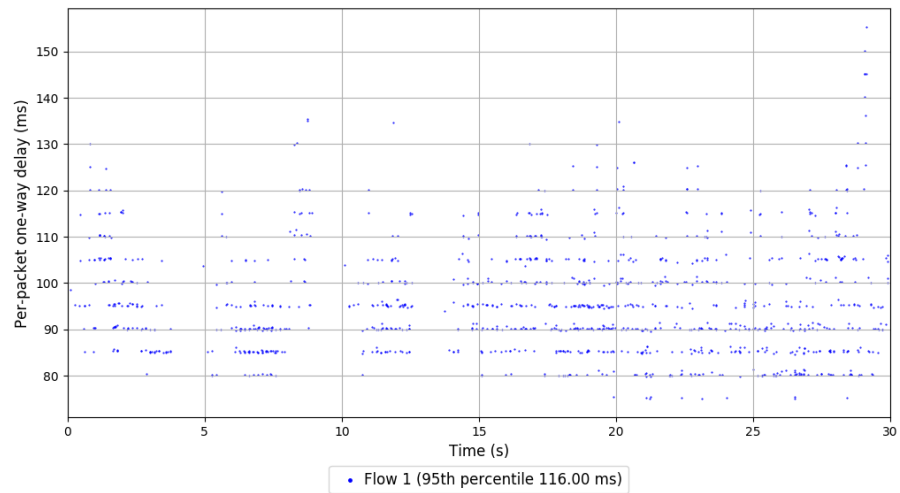
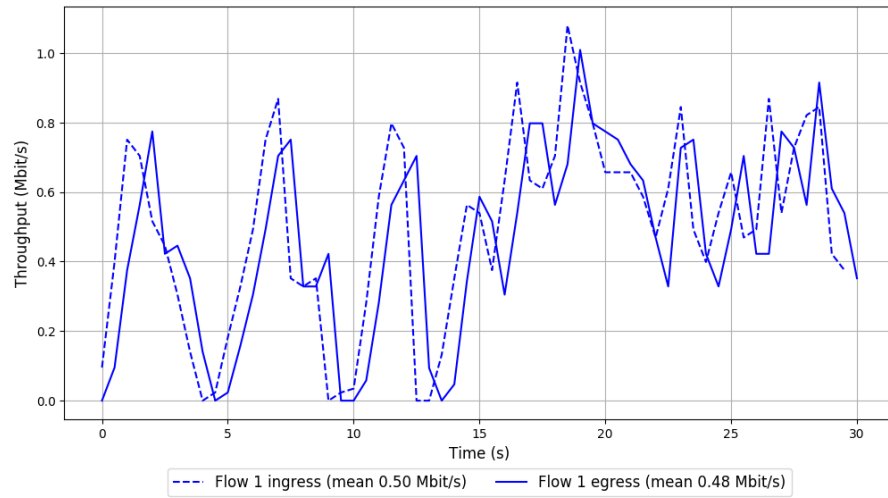


Run 5: Statistics of LEDBAT

Start at: 2018-05-24 22:22:08
End at: 2018-05-24 22:22:38
Local clock offset: -6.047 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-05-25 00:07:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 115.998 ms
Loss rate: 4.95%
-- Flow 1:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 115.998 ms
Loss rate: 4.95%

Run 5: Report of LEDBAT — Data Link

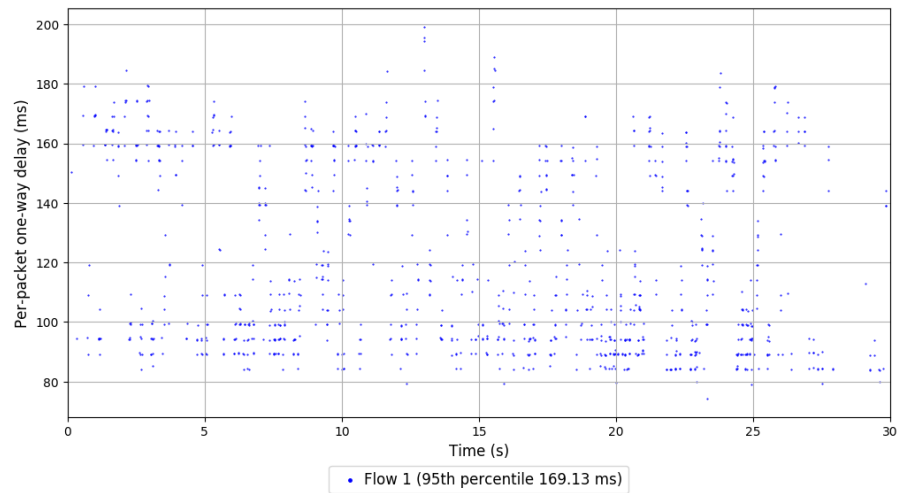
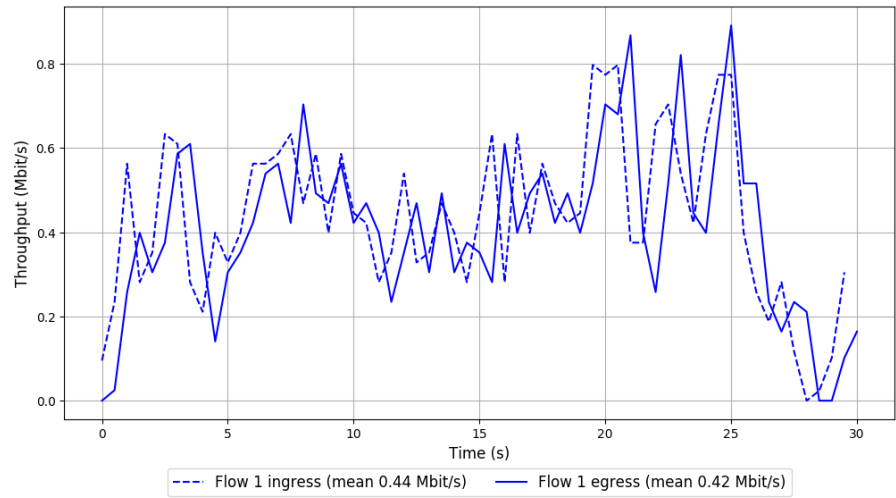


Run 6: Statistics of LEDBAT

Start at: 2018-05-24 22:42:14
End at: 2018-05-24 22:42:44
Local clock offset: -4.863 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-05-25 00:07:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 169.127 ms
Loss rate: 4.74%
-- Flow 1:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 169.127 ms
Loss rate: 4.74%

Run 6: Report of LEDBAT — Data Link

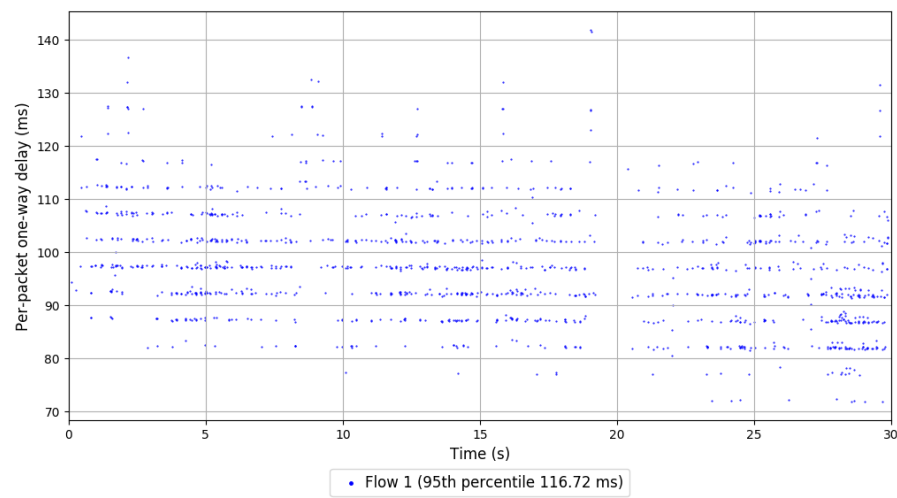
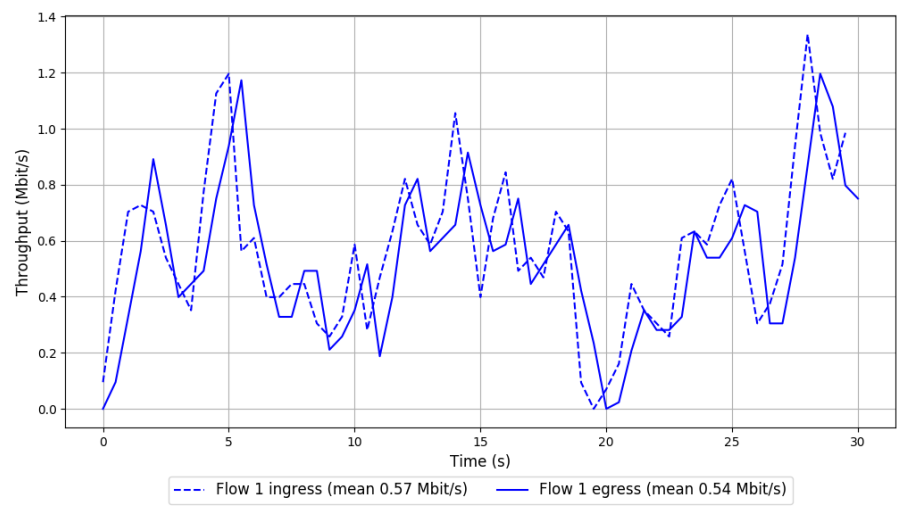


Run 7: Statistics of LEDBAT

Start at: 2018-05-24 23:02:19
End at: 2018-05-24 23:02:49
Local clock offset: 0.476 ms
Remote clock offset: -0.521 ms

Below is generated by plot.py at 2018-05-25 00:07:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 116.716 ms
Loss rate: 4.82%
-- Flow 1:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 116.716 ms
Loss rate: 4.82%

Run 7: Report of LEDBAT — Data Link

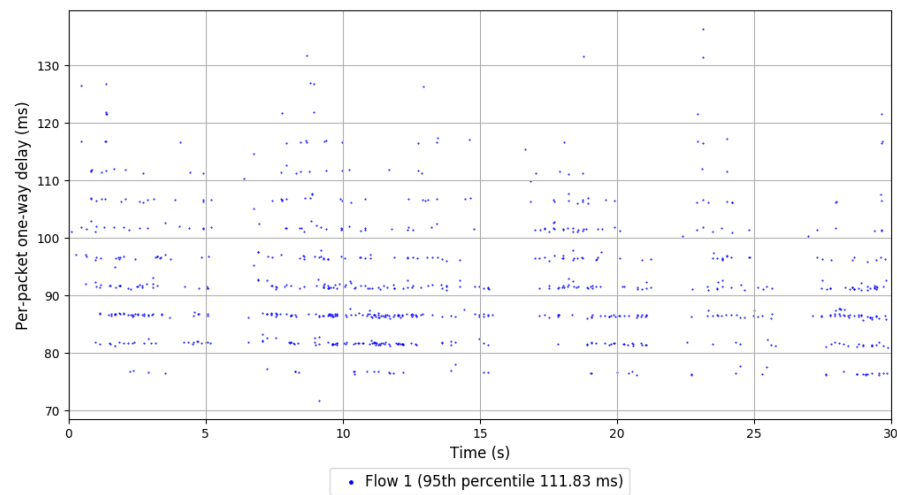
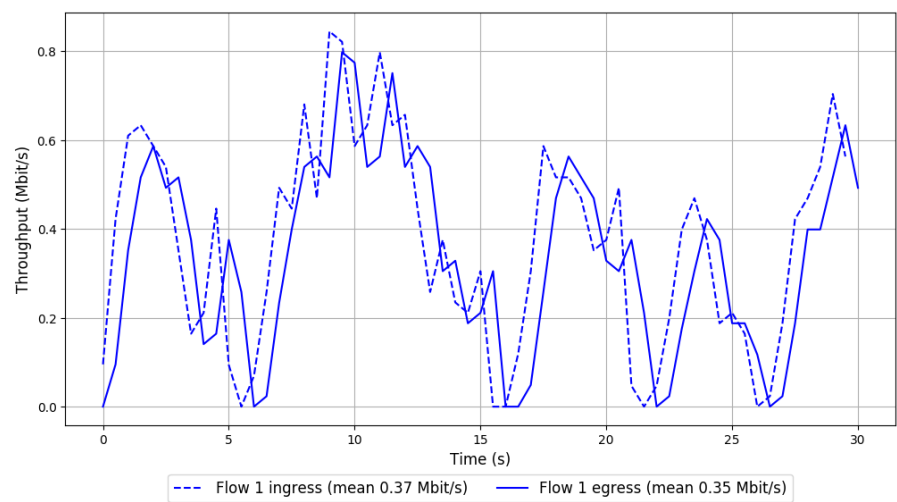


Run 8: Statistics of LEDBAT

Start at: 2018-05-24 23:22:23
End at: 2018-05-24 23:22:53
Local clock offset: 6.55 ms
Remote clock offset: -0.622 ms

Below is generated by plot.py at 2018-05-25 00:07:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 111.830 ms
Loss rate: 7.00%
-- Flow 1:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 111.830 ms
Loss rate: 7.00%

Run 8: Report of LEDBAT — Data Link

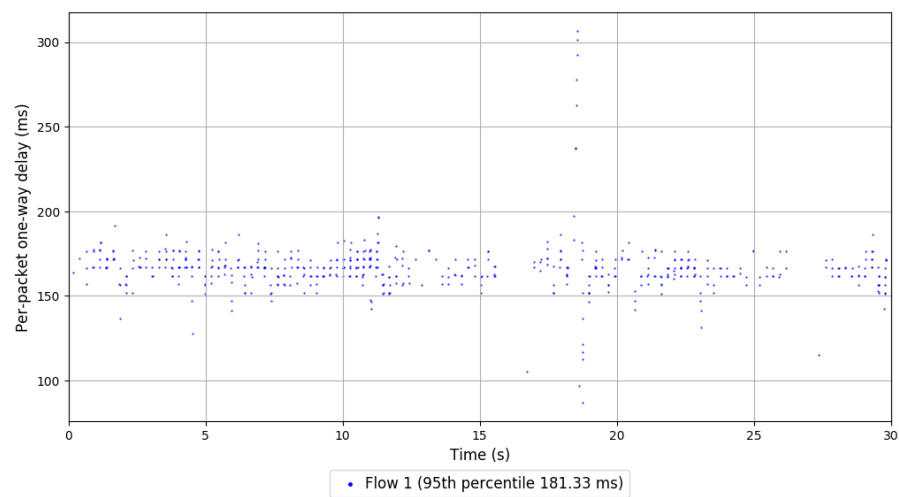
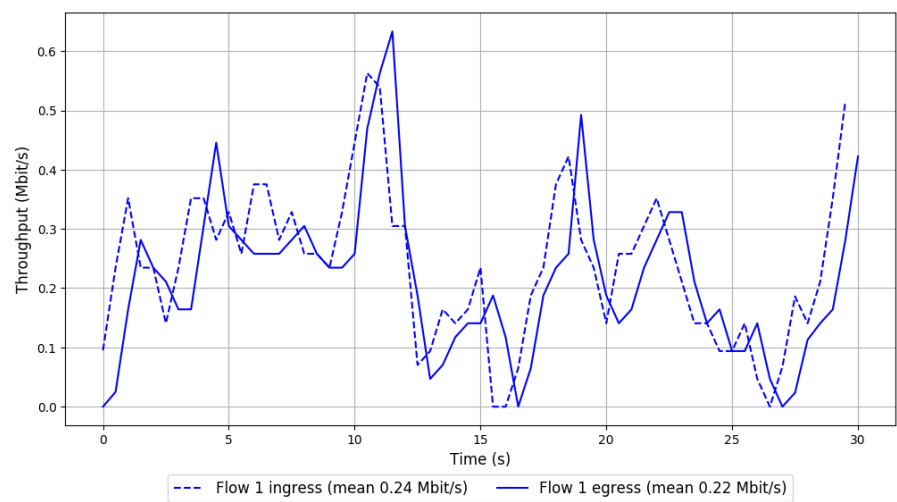


Run 9: Statistics of LEDBAT

Start at: 2018-05-24 23:42:28
End at: 2018-05-24 23:42:58
Local clock offset: 2.078 ms
Remote clock offset: -0.468 ms

Below is generated by plot.py at 2018-05-25 00:07:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 181.326 ms
Loss rate: 8.20%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 181.326 ms
Loss rate: 8.20%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-05-25 00:02:34

End at: 2018-05-25 00:03:04

Local clock offset: 0.287 ms

Remote clock offset: -0.487 ms

Below is generated by plot.py at 2018-05-25 00:07:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 119.730 ms

Loss rate: 7.41%

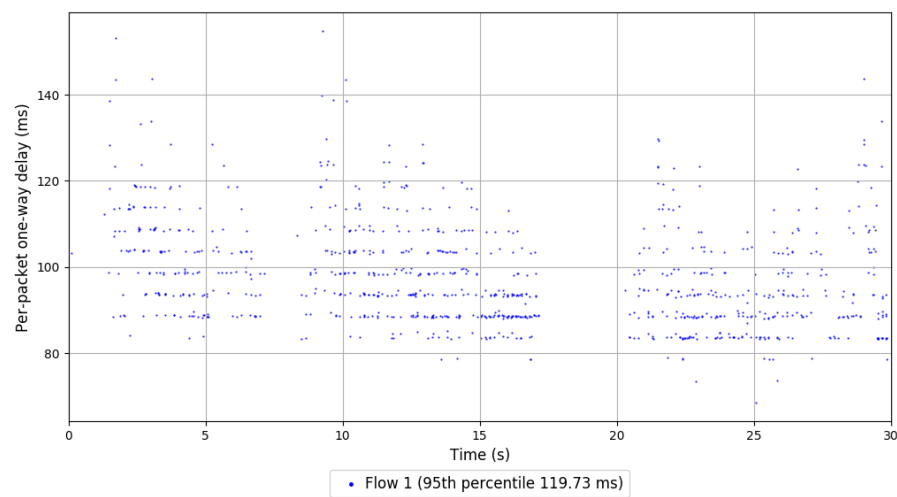
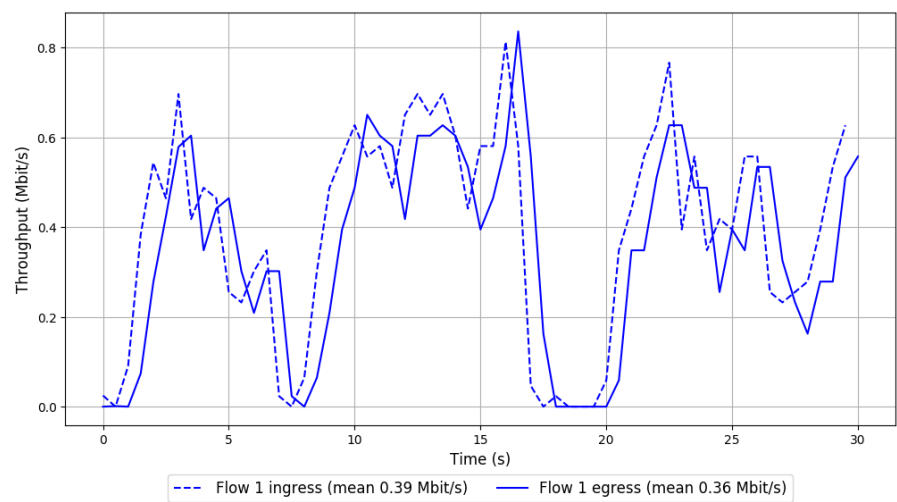
-- Flow 1:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 119.730 ms

Loss rate: 7.41%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-05-24 20:51:45

End at: 2018-05-24 20:52:16

Local clock offset: -3.249 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-05-25 00:07:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 366.723 ms

Loss rate: 40.57%

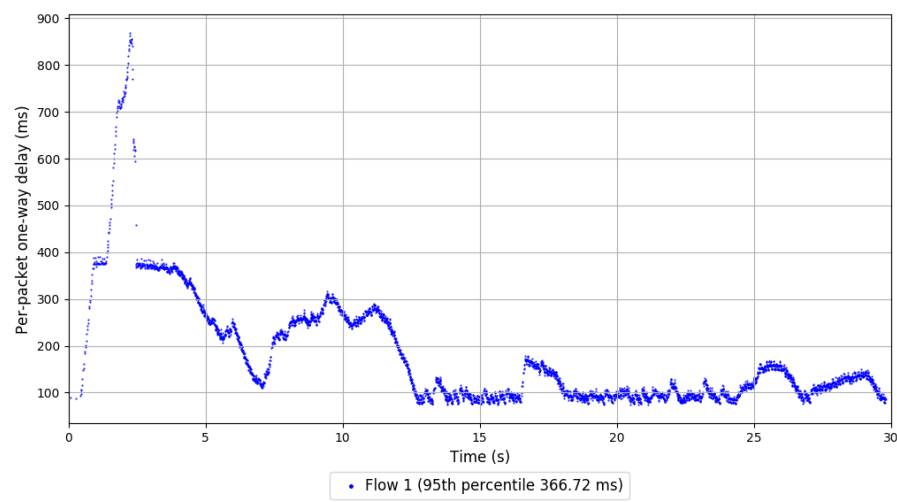
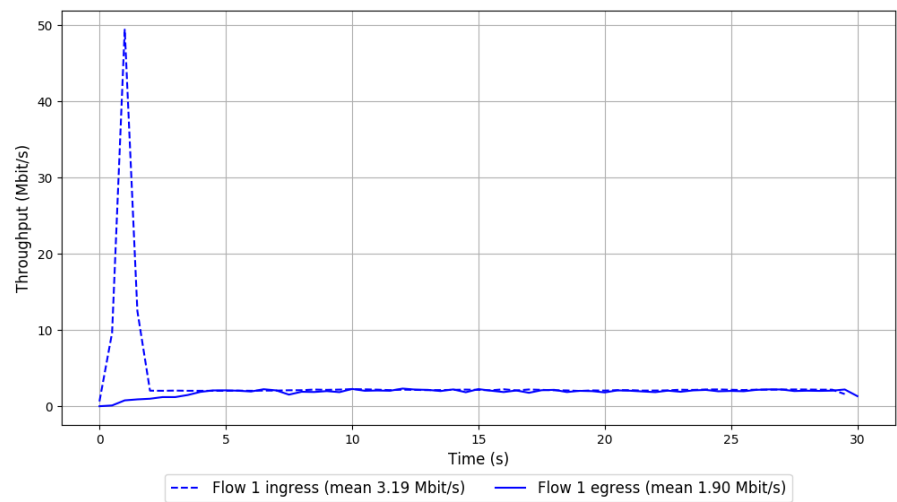
-- Flow 1:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 366.723 ms

Loss rate: 40.57%

Run 1: Report of PCC-Allegro — Data Link

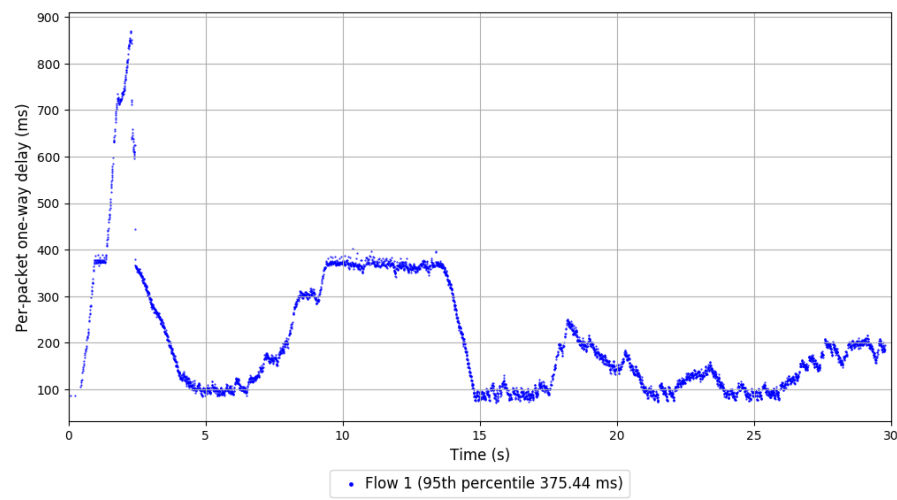
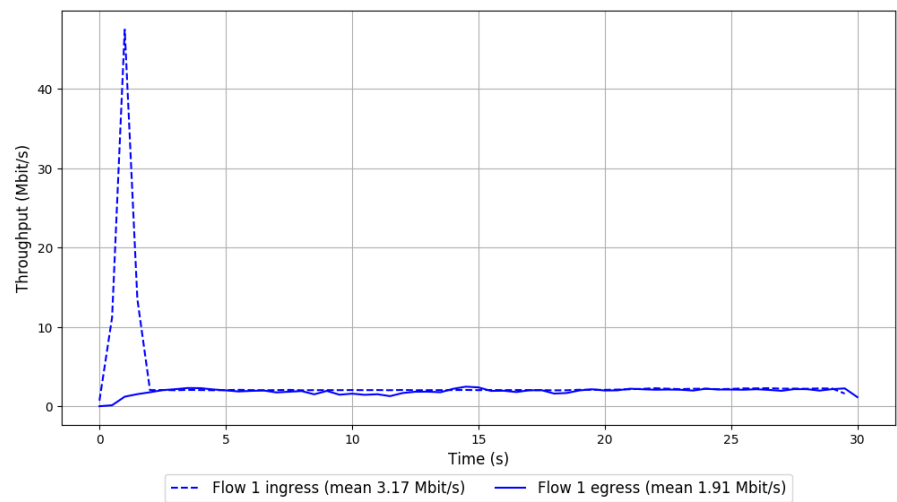


Run 2: Statistics of PCC-Allegro

Start at: 2018-05-24 21:11:51
End at: 2018-05-24 21:12:21
Local clock offset: -4.416 ms
Remote clock offset: -0.428 ms

Below is generated by plot.py at 2018-05-25 00:07:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 375.440 ms
Loss rate: 40.03%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 375.440 ms
Loss rate: 40.03%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-05-24 21:31:56

End at: 2018-05-24 21:32:26

Local clock offset: -5.729 ms

Remote clock offset: -0.842 ms

Below is generated by plot.py at 2018-05-25 00:07:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.77 Mbit/s

95th percentile per-packet one-way delay: 367.439 ms

Loss rate: 46.26%

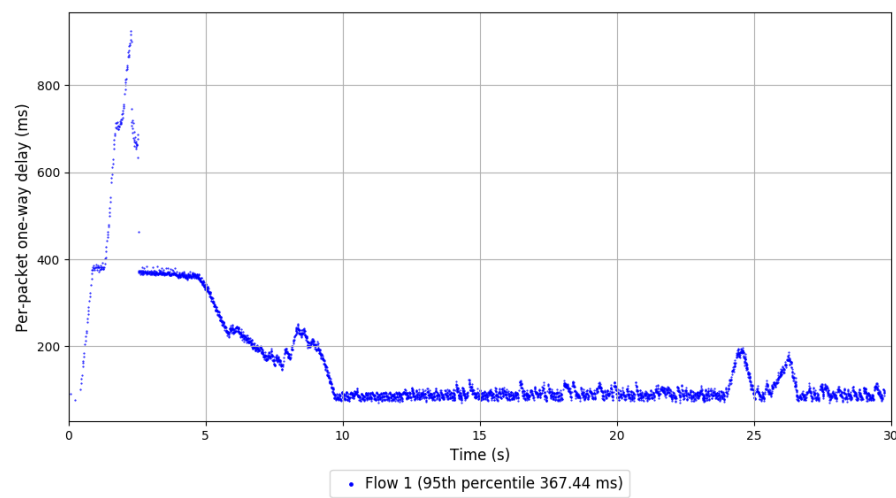
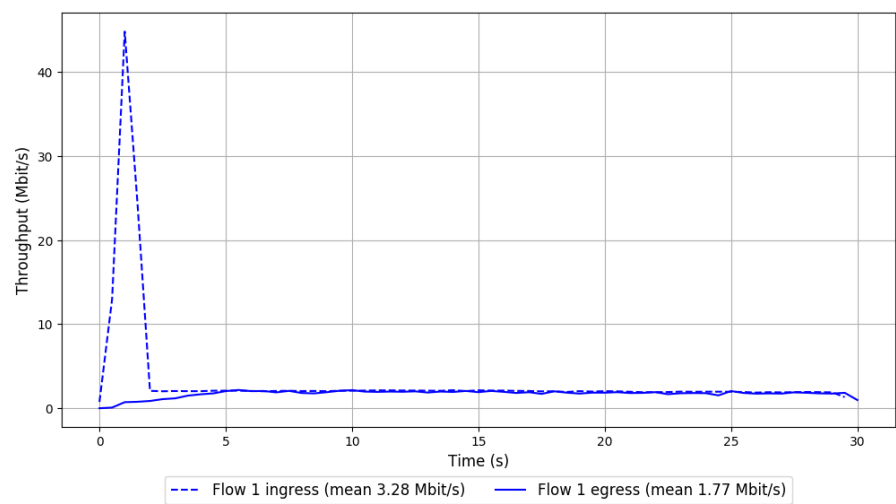
-- Flow 1:

Average throughput: 1.77 Mbit/s

95th percentile per-packet one-way delay: 367.439 ms

Loss rate: 46.26%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-05-24 21:52:01

End at: 2018-05-24 21:52:31

Local clock offset: -7.19 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-05-25 00:07:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.77 Mbit/s

95th percentile per-packet one-way delay: 379.295 ms

Loss rate: 43.97%

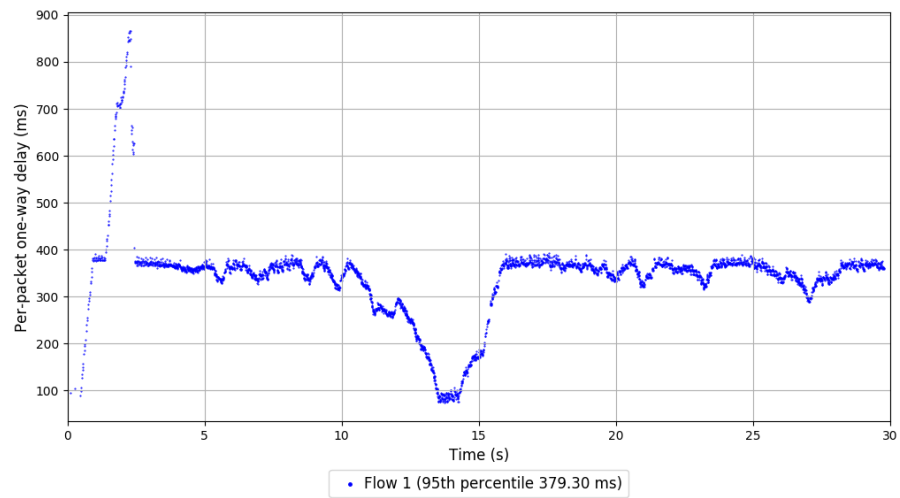
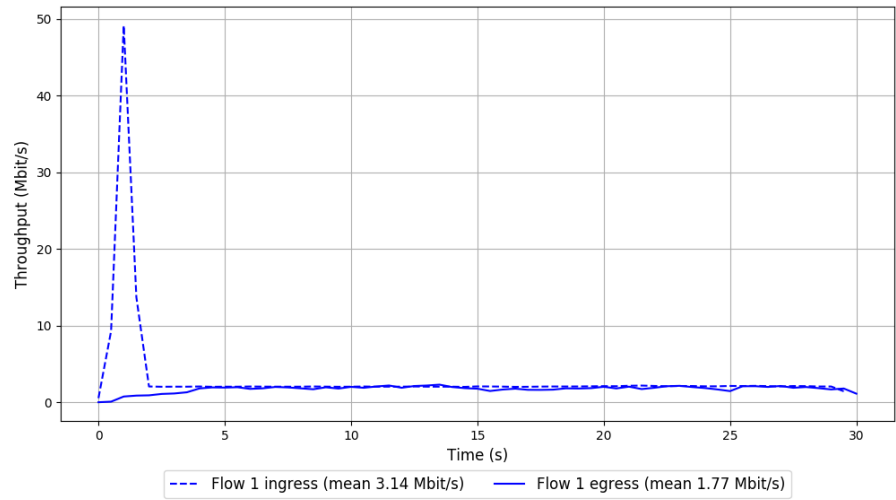
-- Flow 1:

Average throughput: 1.77 Mbit/s

95th percentile per-packet one-way delay: 379.295 ms

Loss rate: 43.97%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-05-24 22:12:06

End at: 2018-05-24 22:12:36

Local clock offset: -5.913 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-05-25 00:07:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.86 Mbit/s

95th percentile per-packet one-way delay: 380.149 ms

Loss rate: 45.46%

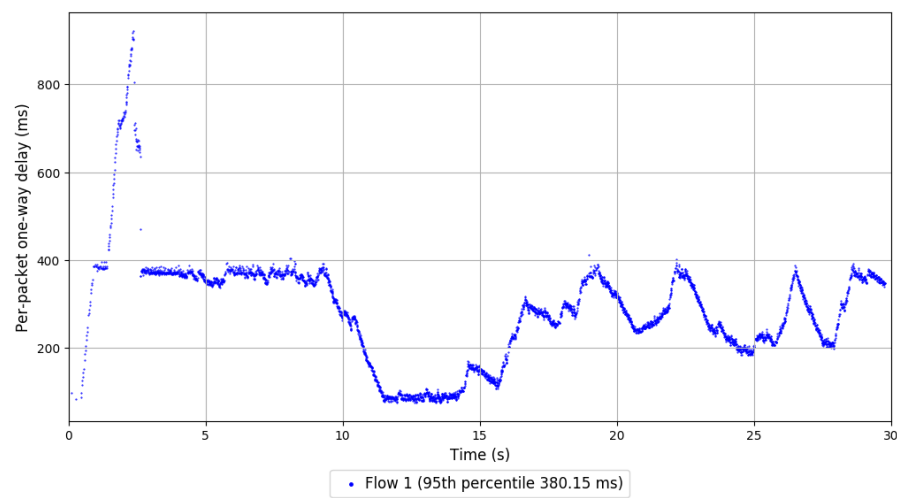
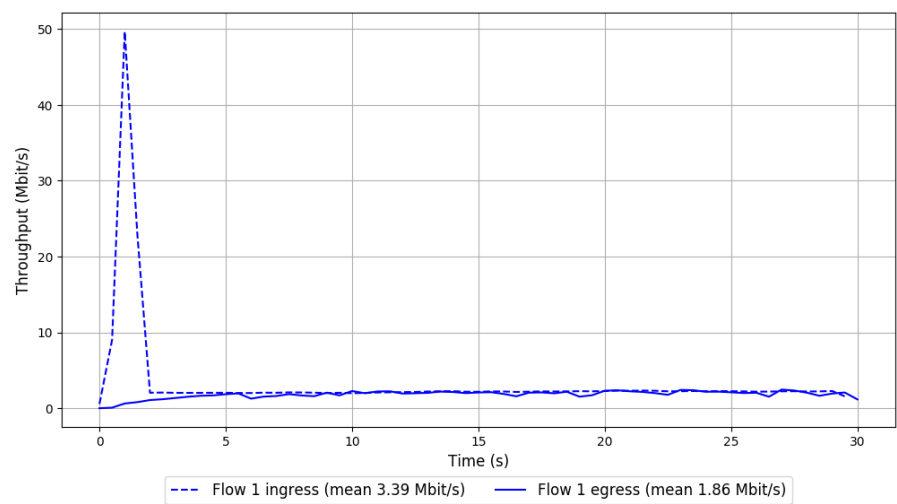
-- Flow 1:

Average throughput: 1.86 Mbit/s

95th percentile per-packet one-way delay: 380.149 ms

Loss rate: 45.46%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-05-24 22:32:11

End at: 2018-05-24 22:32:41

Local clock offset: -5.422 ms

Remote clock offset: -0.0 ms

Below is generated by plot.py at 2018-05-25 00:07:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.77 Mbit/s

95th percentile per-packet one-way delay: 376.200 ms

Loss rate: 44.86%

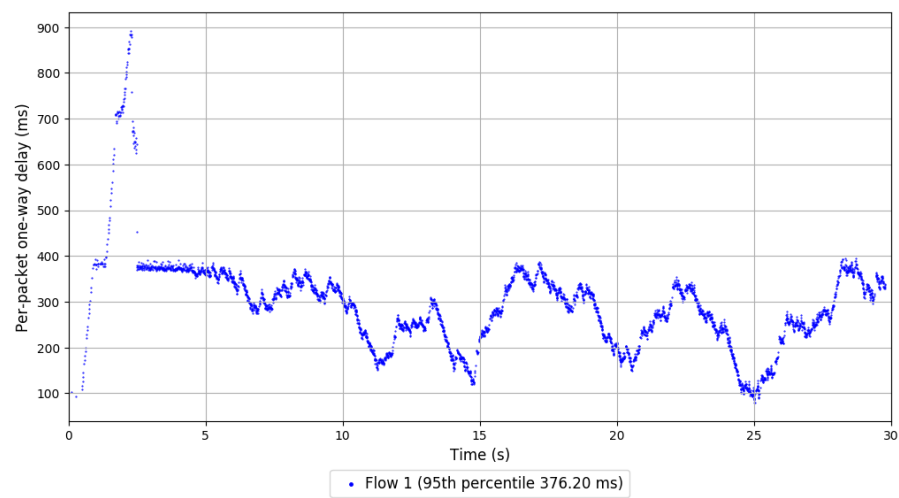
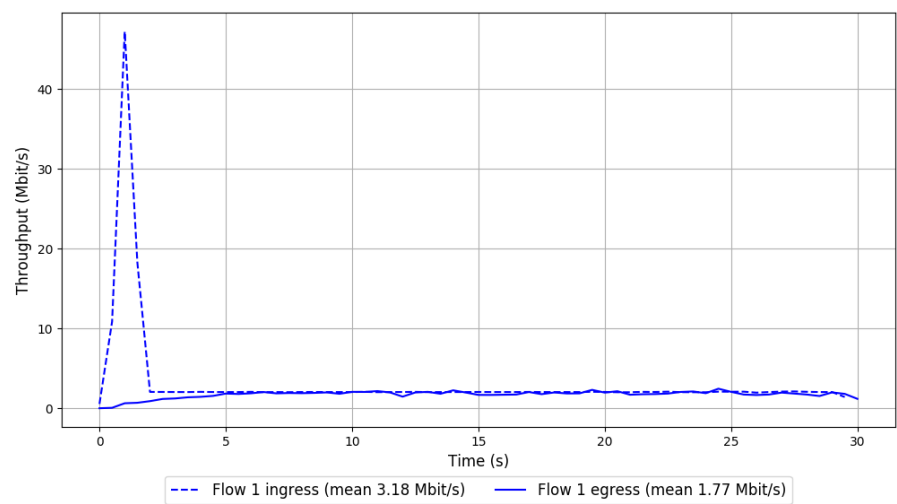
-- Flow 1:

Average throughput: 1.77 Mbit/s

95th percentile per-packet one-way delay: 376.200 ms

Loss rate: 44.86%

Run 6: Report of PCC-Allegro — Data Link

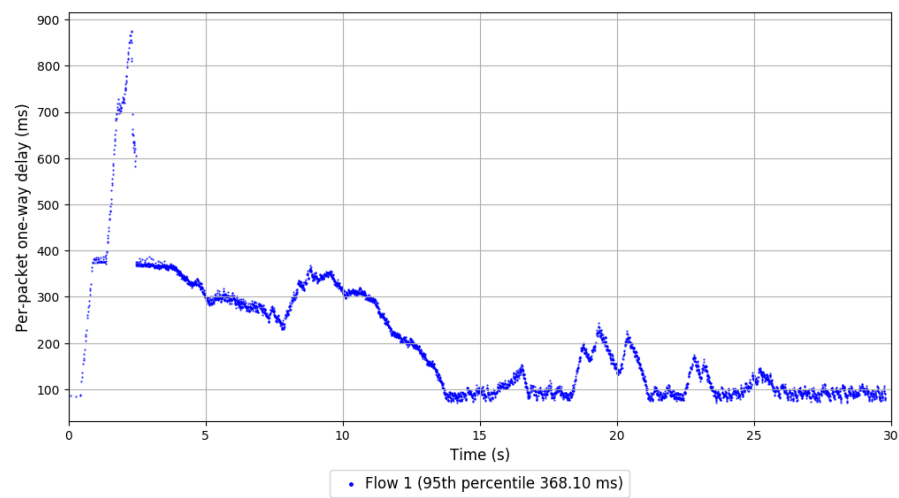
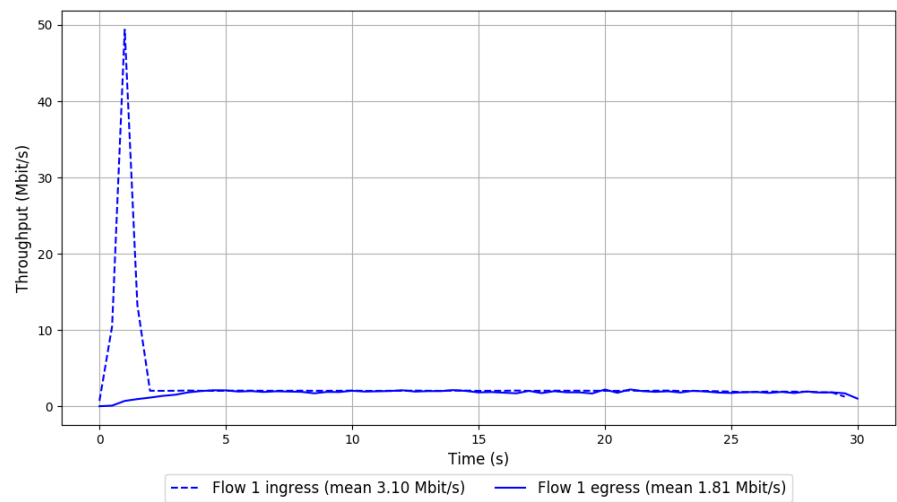


Run 7: Statistics of PCC-Allegro

Start at: 2018-05-24 22:52:16
End at: 2018-05-24 22:52:46
Local clock offset: -4.751 ms
Remote clock offset: -0.356 ms

Below is generated by plot.py at 2018-05-25 00:07:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 368.097 ms
Loss rate: 42.09%
-- Flow 1:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 368.097 ms
Loss rate: 42.09%

Run 7: Report of PCC-Allegro — Data Link

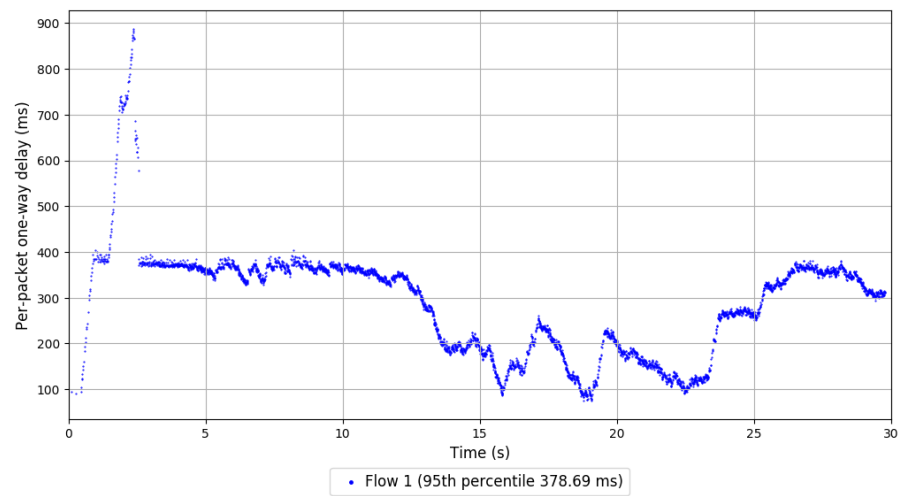
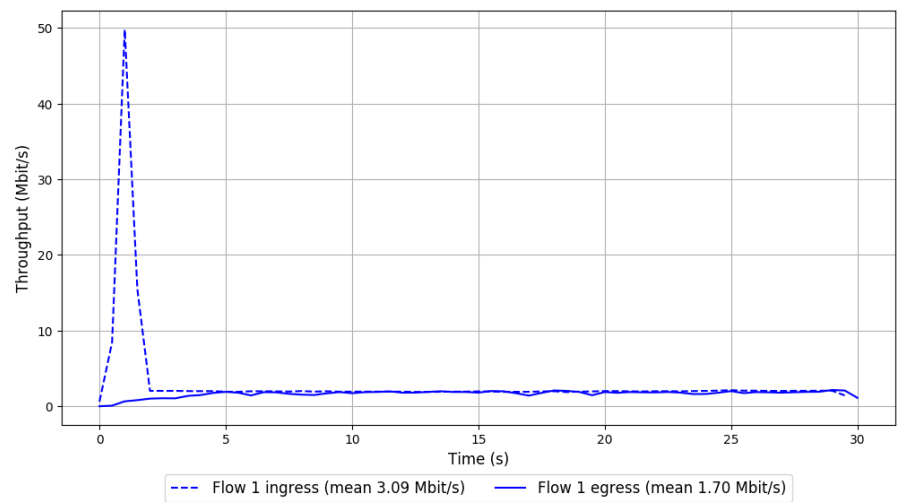


Run 8: Statistics of PCC-Allegro

Start at: 2018-05-24 23:12:21
End at: 2018-05-24 23:12:51
Local clock offset: 4.352 ms
Remote clock offset: -0.702 ms

Below is generated by plot.py at 2018-05-25 00:07:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.70 Mbit/s
95th percentile per-packet one-way delay: 378.691 ms
Loss rate: 45.13%
-- Flow 1:
Average throughput: 1.70 Mbit/s
95th percentile per-packet one-way delay: 378.691 ms
Loss rate: 45.13%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-05-24 23:32:26

End at: 2018-05-24 23:32:56

Local clock offset: 3.784 ms

Remote clock offset: -0.452 ms

Below is generated by plot.py at 2018-05-25 00:07:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.68 Mbit/s

95th percentile per-packet one-way delay: 379.268 ms

Loss rate: 49.31%

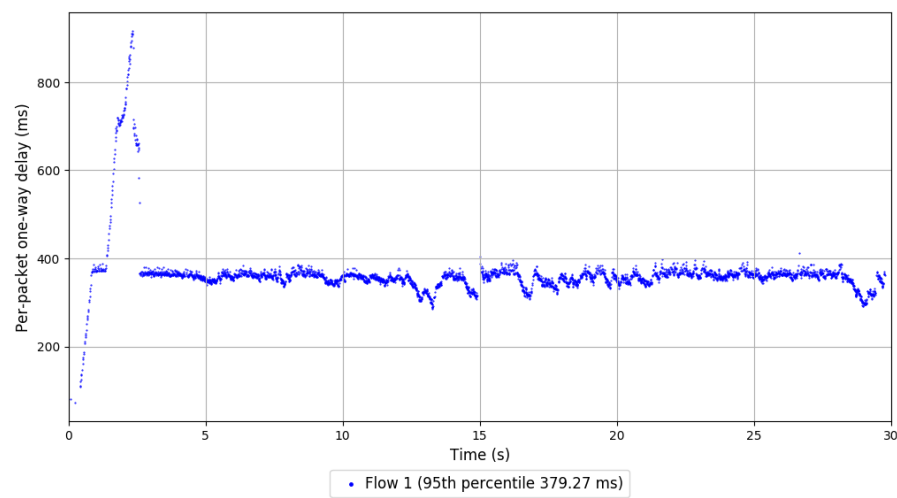
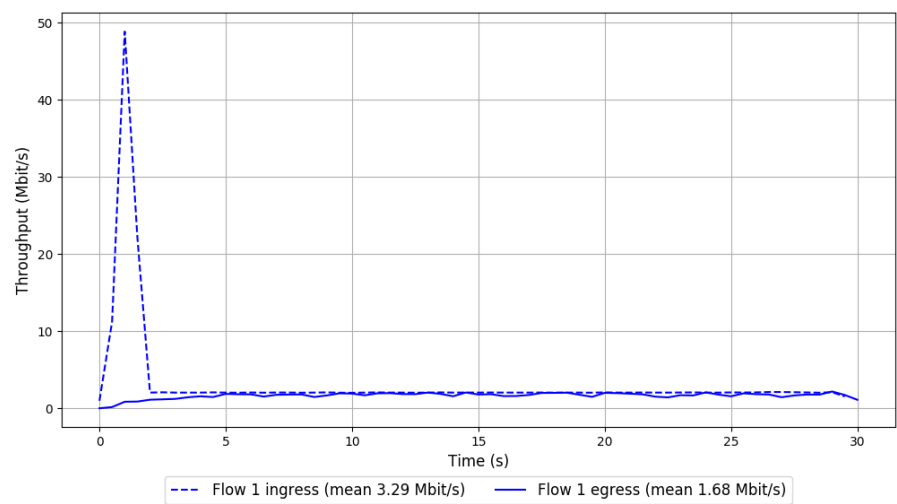
-- Flow 1:

Average throughput: 1.68 Mbit/s

95th percentile per-packet one-way delay: 379.268 ms

Loss rate: 49.31%

Run 9: Report of PCC-Allegro — Data Link

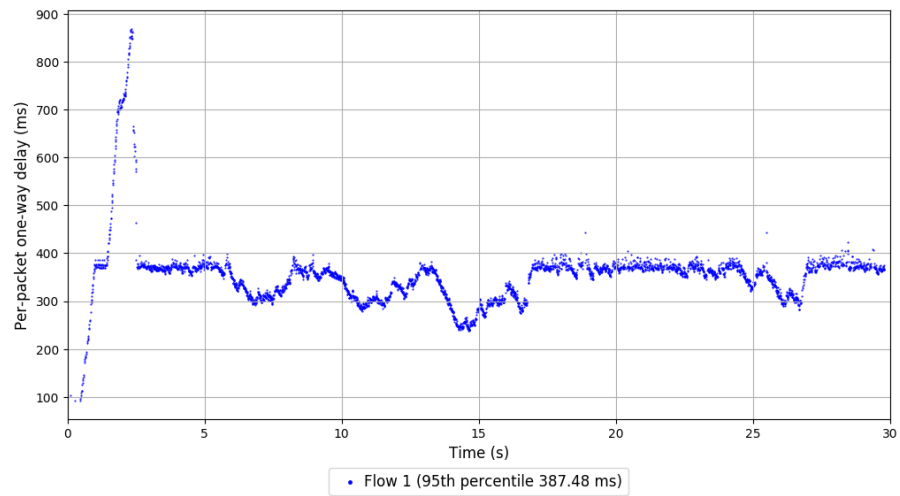
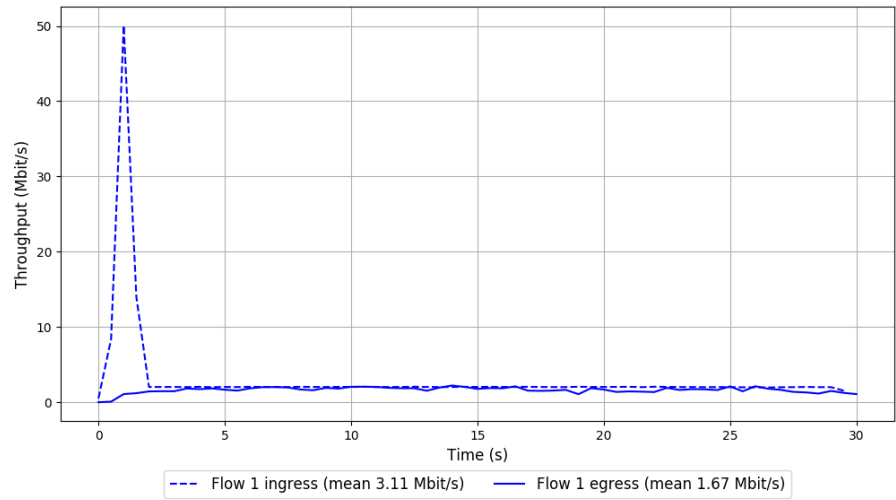


Run 10: Statistics of PCC-Allegro

Start at: 2018-05-24 23:52:31
End at: 2018-05-24 23:53:01
Local clock offset: 1.772 ms
Remote clock offset: -0.494 ms

Below is generated by plot.py at 2018-05-25 00:07:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.67 Mbit/s
95th percentile per-packet one-way delay: 387.479 ms
Loss rate: 46.67%
-- Flow 1:
Average throughput: 1.67 Mbit/s
95th percentile per-packet one-way delay: 387.479 ms
Loss rate: 46.67%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-05-24 20:59:18

End at: 2018-05-24 20:59:48

Local clock offset: -3.785 ms

Remote clock offset: 0.138 ms

Run 1: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC-Expr

Start at: 2018-05-24 21:19:23

End at: 2018-05-24 21:19:53

Local clock offset: -4.962 ms

Remote clock offset: -0.646 ms

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

Start at: 2018-05-24 21:39:28

End at: 2018-05-24 21:39:58

Local clock offset: -6.326 ms

Remote clock offset: -0.456 ms

Run 3: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of PCC-Expr

Start at: 2018-05-24 21:59:33

End at: 2018-05-24 22:00:03

Local clock offset: -6.704 ms

Remote clock offset: 0.036 ms

Run 4: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of PCC-Expr

Start at: 2018-05-24 22:19:38

End at: 2018-05-24 22:20:08

Local clock offset: -5.772 ms

Remote clock offset: 0.039 ms

Run 5: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of PCC-Expr

Start at: 2018-05-24 22:39:43

End at: 2018-05-24 22:40:13

Local clock offset: -4.92 ms

Remote clock offset: -0.032 ms

Run 6: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of PCC-Expr

Start at: 2018-05-24 22:59:48

End at: 2018-05-24 23:00:18

Local clock offset: -1.004 ms

Remote clock offset: -0.596 ms

Run 7: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-05-24 23:19:53

End at: 2018-05-24 23:20:23

Local clock offset: 6.095 ms

Remote clock offset: -0.722 ms

Run 8: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-05-24 23:39:58

End at: 2018-05-24 23:40:28

Local clock offset: 2.476 ms

Remote clock offset: -0.422 ms

Run 9: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of PCC-Expr

Start at: 2018-05-25 00:00:03

End at: 2018-05-25 00:00:33

Local clock offset: 0.954 ms

Remote clock offset: -0.527 ms

Run 10: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 1: Statistics of QUIC Cubic

Start at: 2018-05-24 21:00:33

End at: 2018-05-24 21:01:03

Local clock offset: -3.855 ms

Remote clock offset: 0.11 ms

Below is generated by plot.py at 2018-05-25 00:07:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.92 Mbit/s

95th percentile per-packet one-way delay: 334.595 ms

Loss rate: 6.57%

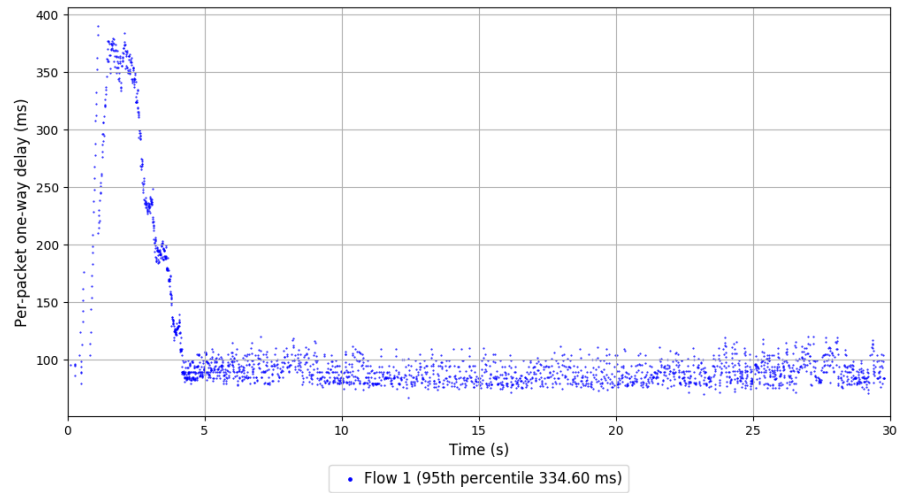
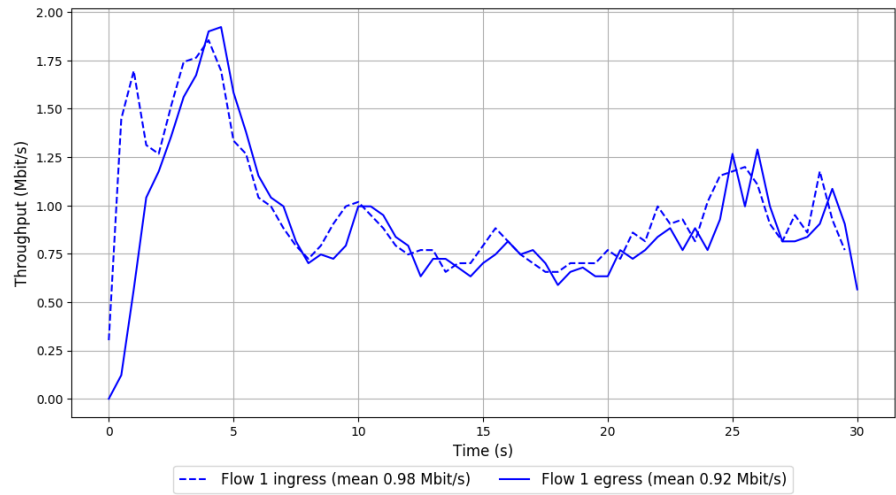
-- Flow 1:

Average throughput: 0.92 Mbit/s

95th percentile per-packet one-way delay: 334.595 ms

Loss rate: 6.57%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-05-24 21:20:38

End at: 2018-05-24 21:21:08

Local clock offset: -4.916 ms

Remote clock offset: -0.615 ms

Below is generated by plot.py at 2018-05-25 00:07:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.84 Mbit/s

95th percentile per-packet one-way delay: 298.498 ms

Loss rate: 6.10%

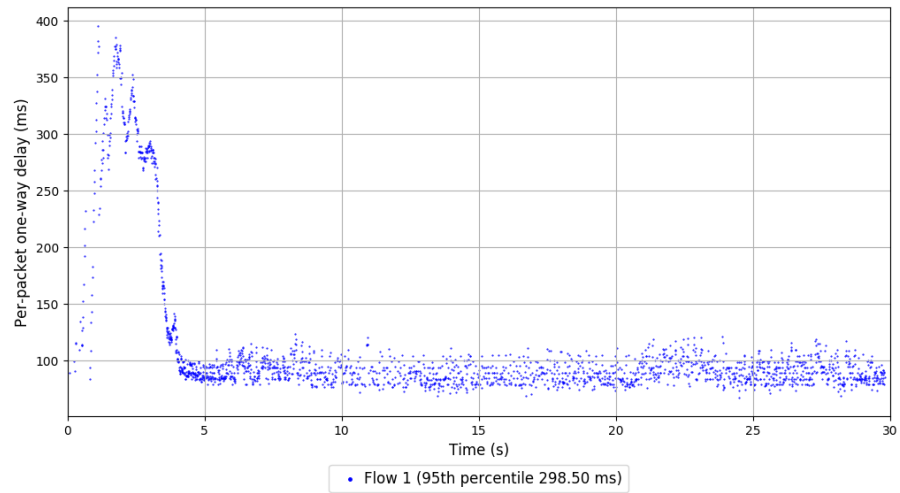
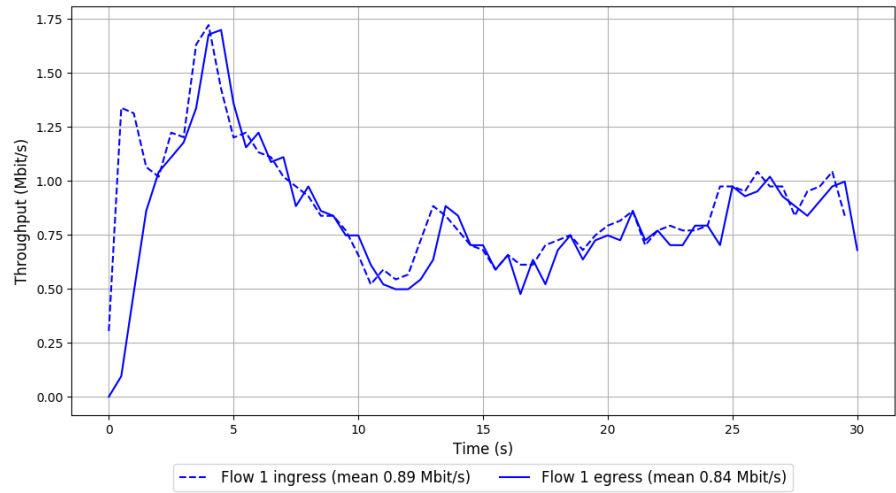
-- Flow 1:

Average throughput: 0.84 Mbit/s

95th percentile per-packet one-way delay: 298.498 ms

Loss rate: 6.10%

Run 2: Report of QUIC Cubic — Data Link

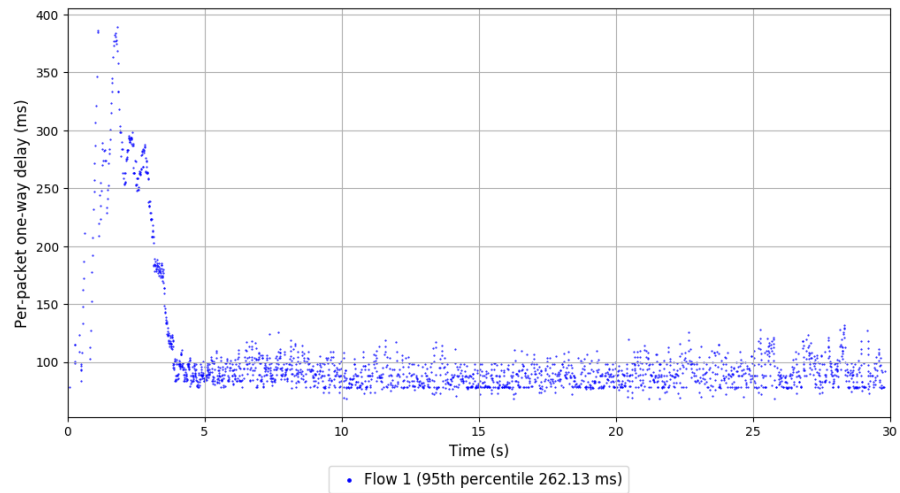
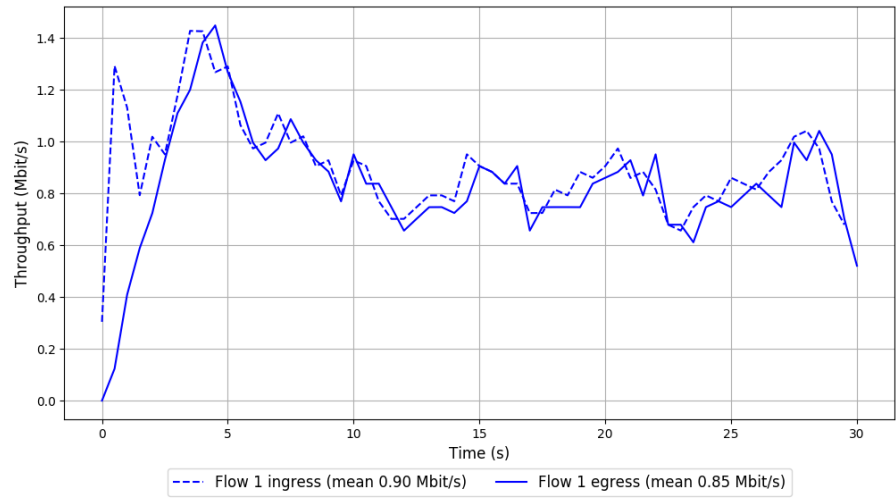


Run 3: Statistics of QUIC Cubic

Start at: 2018-05-24 21:40:43
End at: 2018-05-24 21:41:13
Local clock offset: -6.542 ms
Remote clock offset: -0.364 ms

Below is generated by plot.py at 2018-05-25 00:07:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.85 Mbit/s
95th percentile per-packet one-way delay: 262.129 ms
Loss rate: 6.45%
-- Flow 1:
Average throughput: 0.85 Mbit/s
95th percentile per-packet one-way delay: 262.129 ms
Loss rate: 6.45%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-05-24 22:00:48

End at: 2018-05-24 22:01:18

Local clock offset: -6.723 ms

Remote clock offset: 0.078 ms

Below is generated by plot.py at 2018-05-25 00:07:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.75 Mbit/s

95th percentile per-packet one-way delay: 278.934 ms

Loss rate: 7.77%

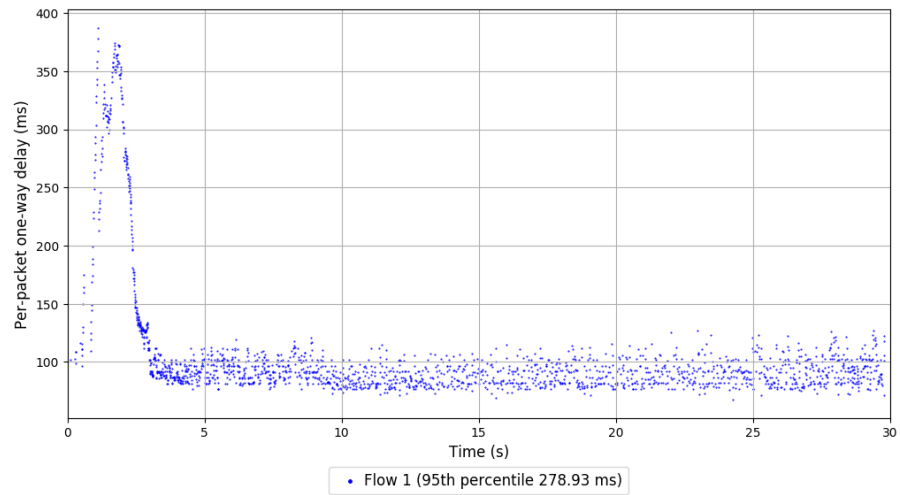
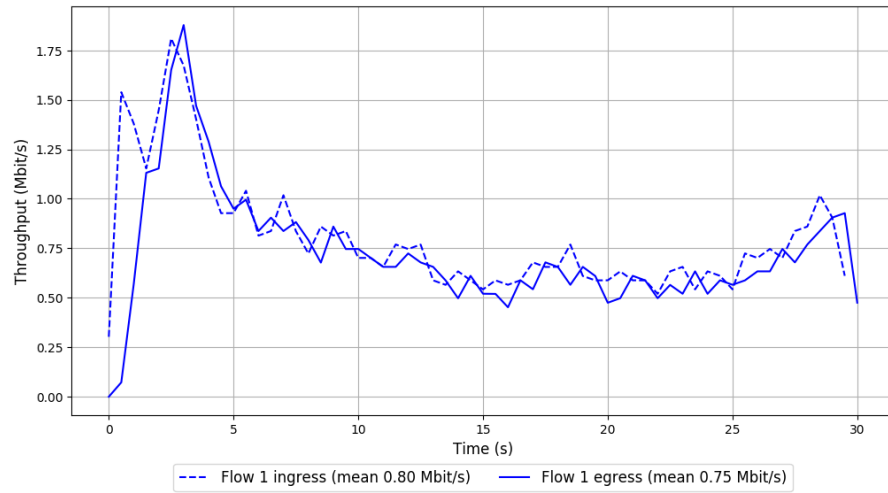
-- Flow 1:

Average throughput: 0.75 Mbit/s

95th percentile per-packet one-way delay: 278.934 ms

Loss rate: 7.77%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-05-24 22:20:53

End at: 2018-05-24 22:21:23

Local clock offset: -6.038 ms

Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-05-25 00:07:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.74 Mbit/s

95th percentile per-packet one-way delay: 216.950 ms

Loss rate: 6.58%

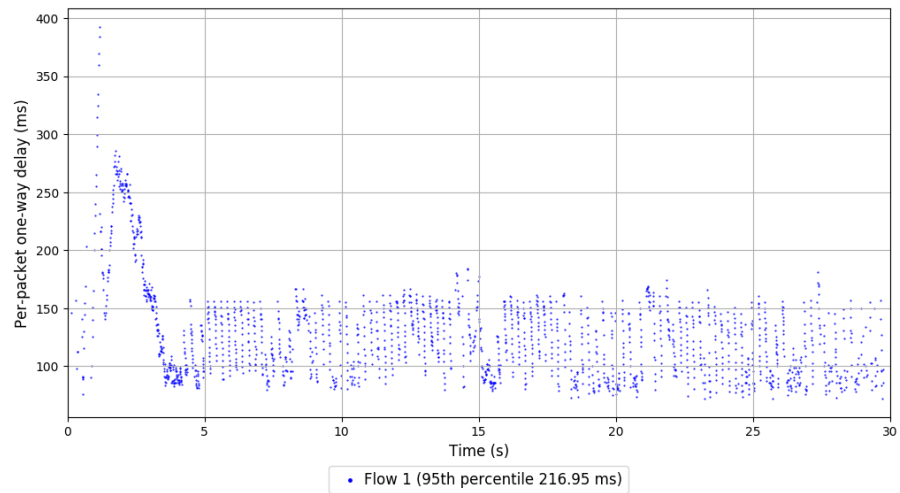
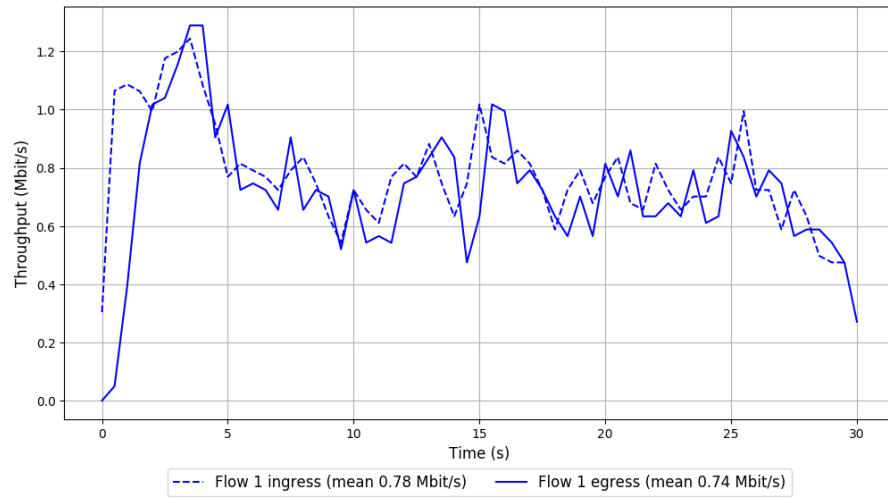
-- Flow 1:

Average throughput: 0.74 Mbit/s

95th percentile per-packet one-way delay: 216.950 ms

Loss rate: 6.58%

Run 5: Report of QUIC Cubic — Data Link

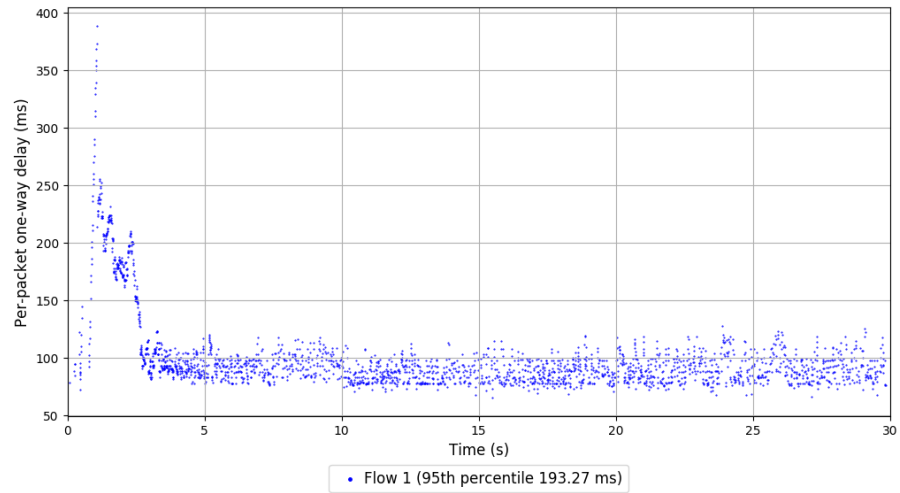
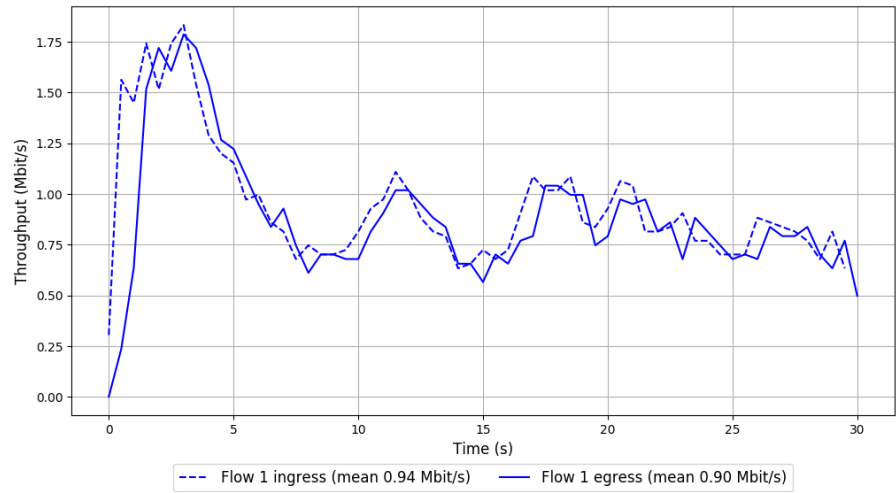


Run 6: Statistics of QUIC Cubic

Start at: 2018-05-24 22:40:58
End at: 2018-05-24 22:41:28
Local clock offset: -4.866 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-05-25 00:07:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.90 Mbit/s
95th percentile per-packet one-way delay: 193.273 ms
Loss rate: 4.97%
-- Flow 1:
Average throughput: 0.90 Mbit/s
95th percentile per-packet one-way delay: 193.273 ms
Loss rate: 4.97%

Run 6: Report of QUIC Cubic — Data Link

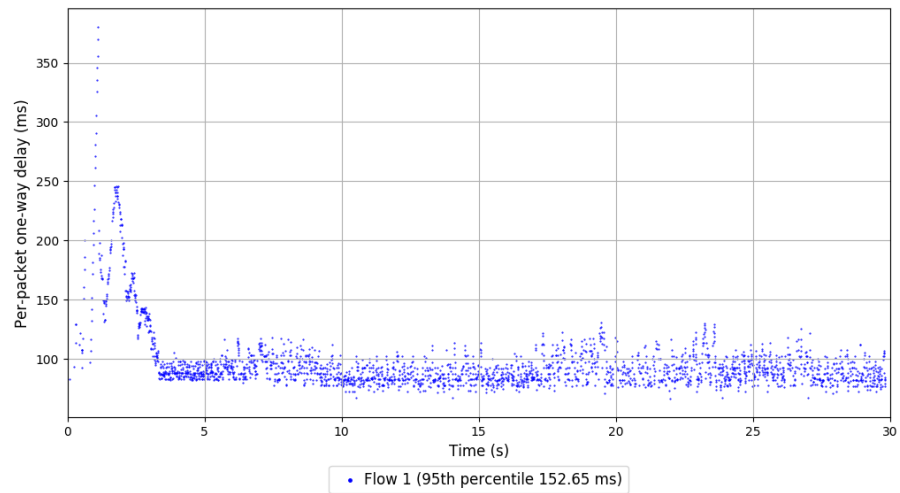
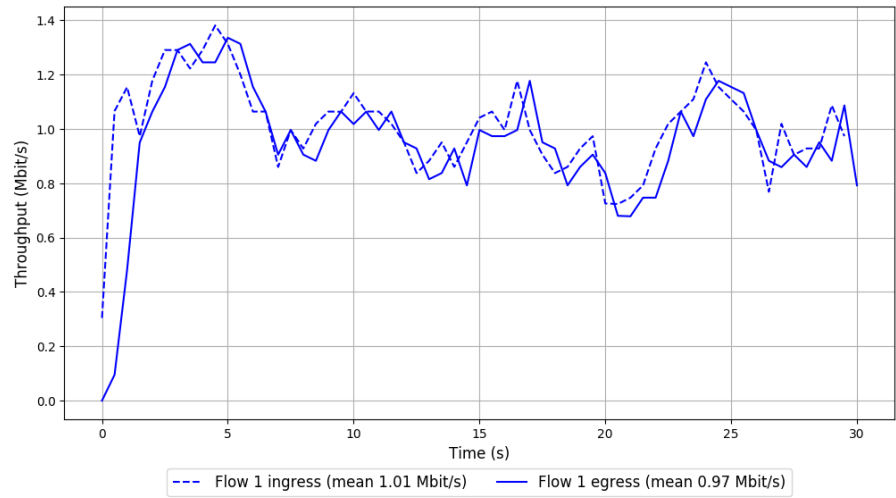


Run 7: Statistics of QUIC Cubic

Start at: 2018-05-24 23:01:03
End at: 2018-05-24 23:01:33
Local clock offset: -0.425 ms
Remote clock offset: -0.619 ms

Below is generated by plot.py at 2018-05-25 00:08:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.97 Mbit/s
95th percentile per-packet one-way delay: 152.651 ms
Loss rate: 4.45%
-- Flow 1:
Average throughput: 0.97 Mbit/s
95th percentile per-packet one-way delay: 152.651 ms
Loss rate: 4.45%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-05-24 23:21:08

End at: 2018-05-24 23:21:38

Local clock offset: 6.186 ms

Remote clock offset: -0.634 ms

Below is generated by plot.py at 2018-05-25 00:08:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.91 Mbit/s

95th percentile per-packet one-way delay: 226.042 ms

Loss rate: 5.95%

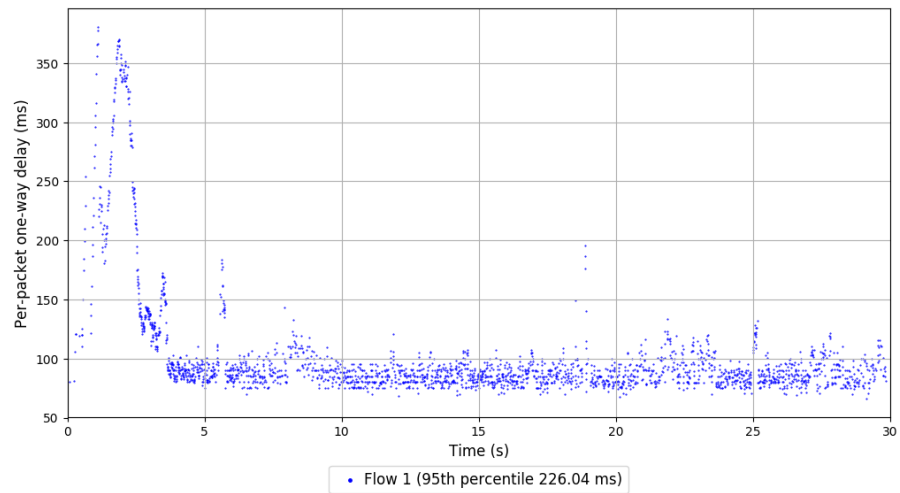
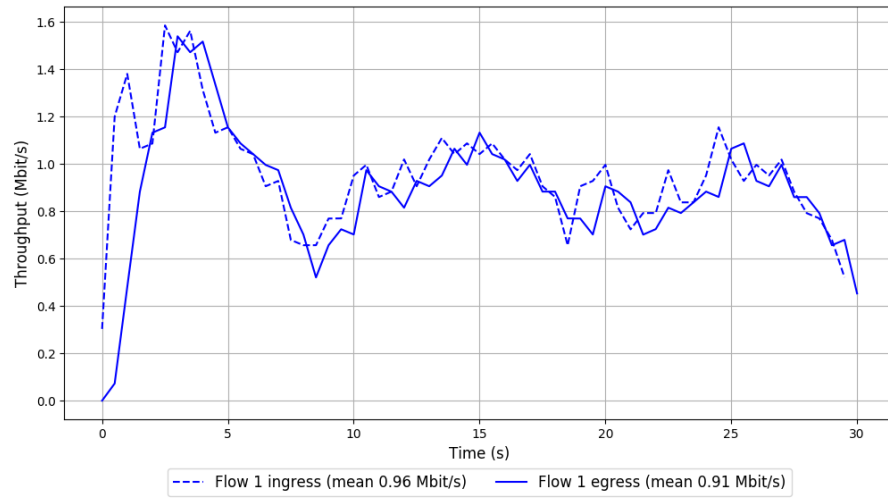
-- Flow 1:

Average throughput: 0.91 Mbit/s

95th percentile per-packet one-way delay: 226.042 ms

Loss rate: 5.95%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-05-24 23:41:13

End at: 2018-05-24 23:41:43

Local clock offset: 2.325 ms

Remote clock offset: -0.481 ms

Below is generated by plot.py at 2018-05-25 00:08:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.86 Mbit/s

95th percentile per-packet one-way delay: 332.350 ms

Loss rate: 6.82%

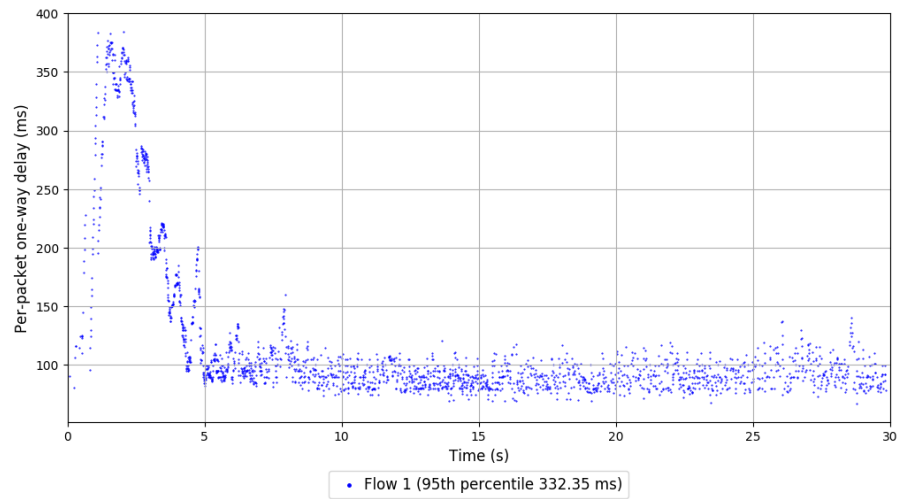
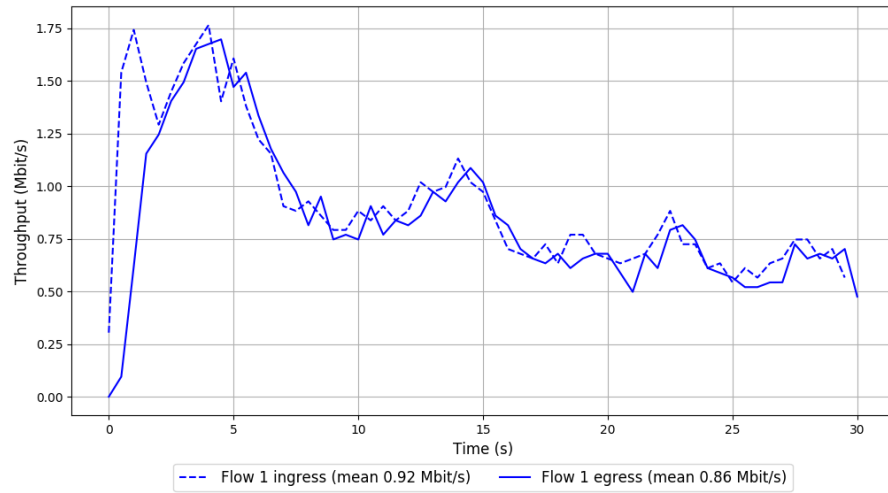
-- Flow 1:

Average throughput: 0.86 Mbit/s

95th percentile per-packet one-way delay: 332.350 ms

Loss rate: 6.82%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-05-25 00:01:18

End at: 2018-05-25 00:01:48

Local clock offset: 0.643 ms

Remote clock offset: -0.58 ms

Below is generated by plot.py at 2018-05-25 00:08:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.66 Mbit/s

95th percentile per-packet one-way delay: 268.867 ms

Loss rate: 8.98%

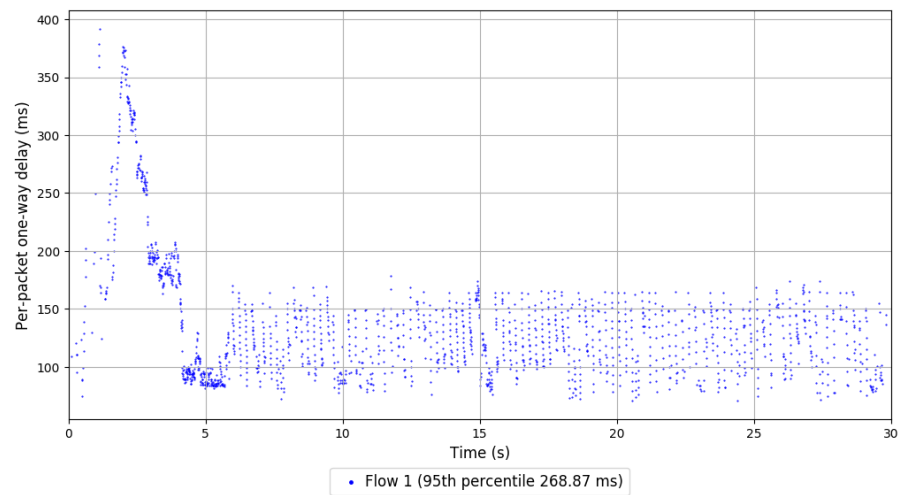
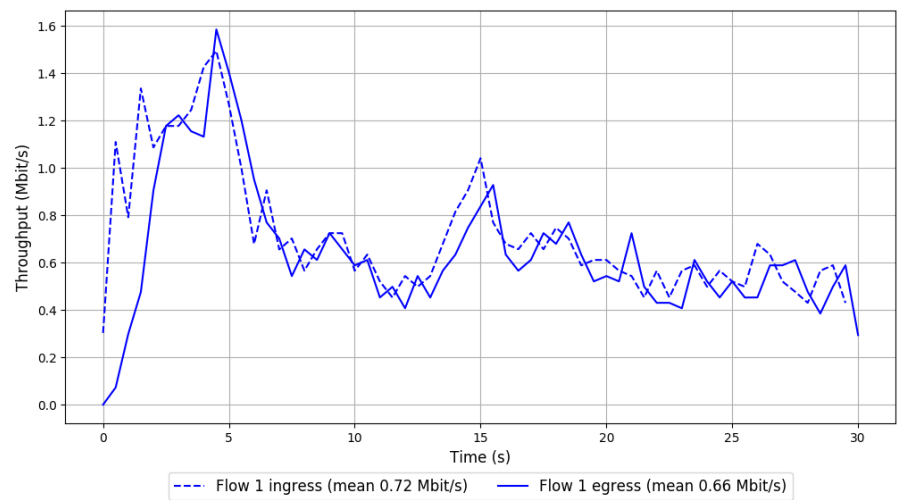
-- Flow 1:

Average throughput: 0.66 Mbit/s

95th percentile per-packet one-way delay: 268.867 ms

Loss rate: 8.98%

Run 10: Report of QUIC Cubic — Data Link

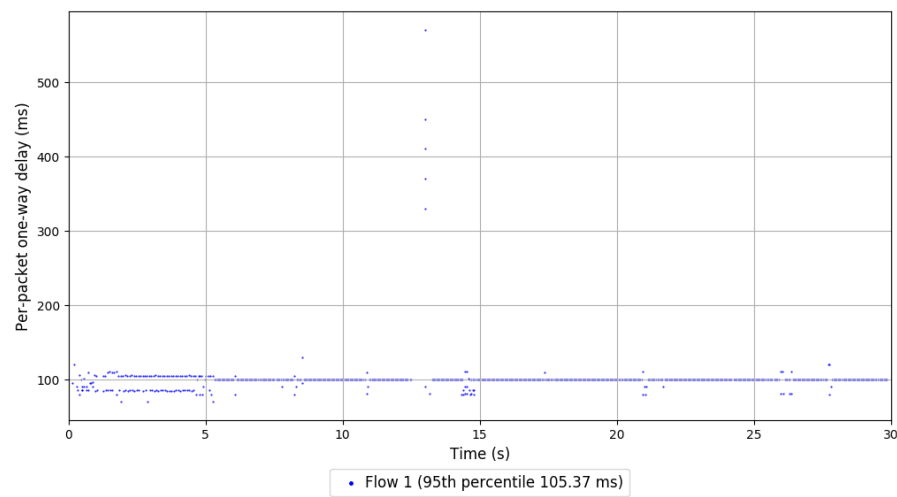
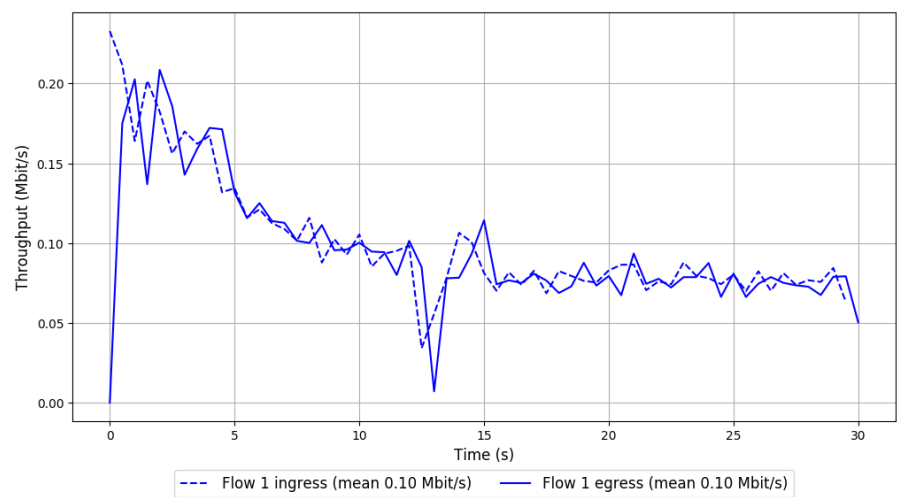


Run 1: Statistics of SCReAM

Start at: 2018-05-24 21:03:04
End at: 2018-05-24 21:03:34
Local clock offset: -3.985 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-05-25 00:08:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 105.374 ms
Loss rate: 3.45%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 105.374 ms
Loss rate: 3.45%

Run 1: Report of SReAM — Data Link

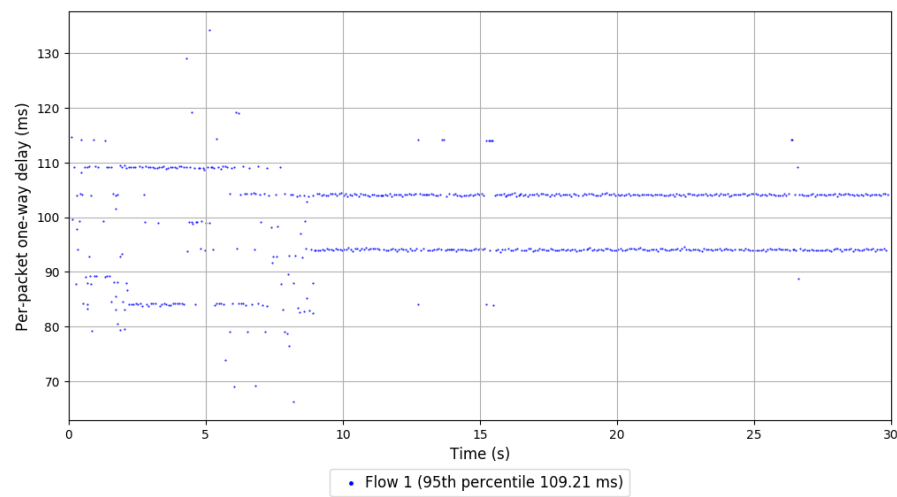
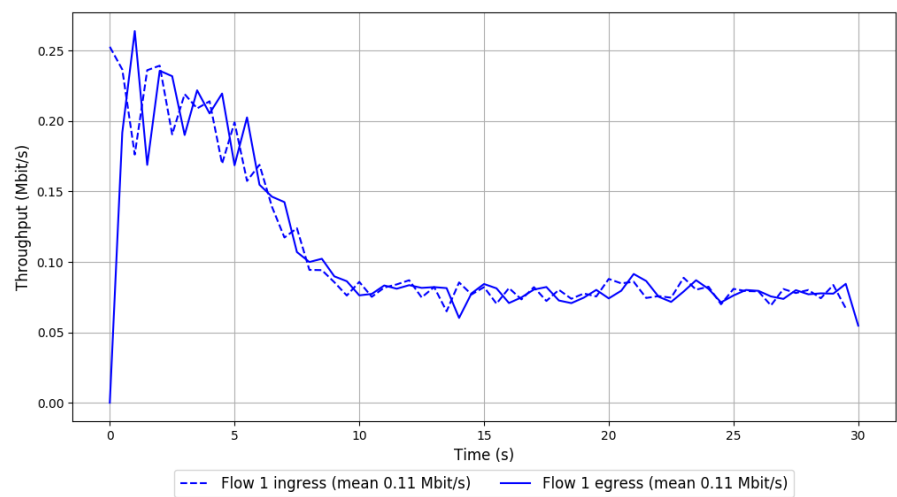


Run 2: Statistics of SCReAM

Start at: 2018-05-24 21:23:09
End at: 2018-05-24 21:23:39
Local clock offset: -5.041 ms
Remote clock offset: -0.681 ms

Below is generated by plot.py at 2018-05-25 00:08:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 109.206 ms
Loss rate: 1.91%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 109.206 ms
Loss rate: 1.91%

Run 2: Report of SReAM — Data Link

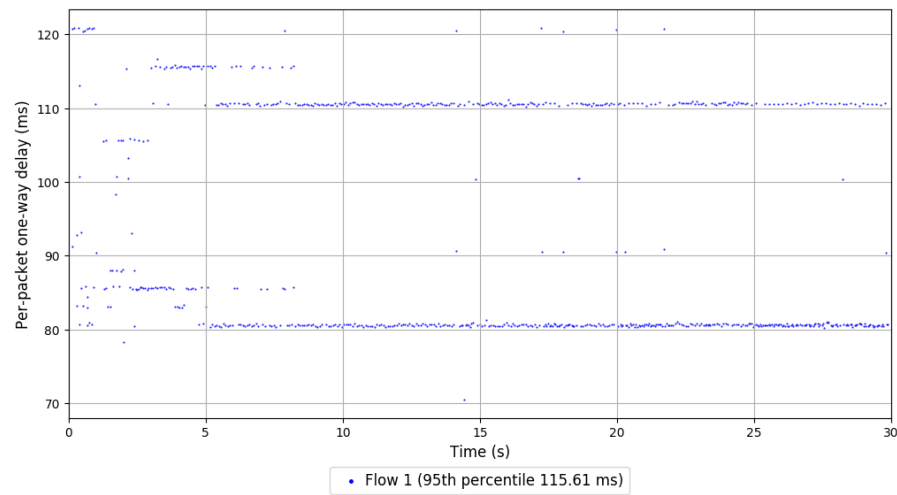
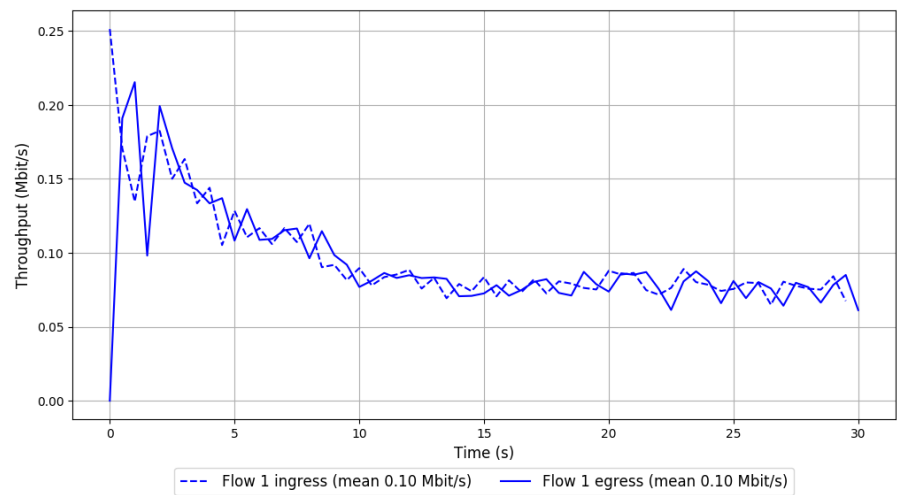


Run 3: Statistics of SCReAM

Start at: 2018-05-24 21:43:14
End at: 2018-05-24 21:43:44
Local clock offset: -6.694 ms
Remote clock offset: -0.224 ms

Below is generated by plot.py at 2018-05-25 00:08:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 115.608 ms
Loss rate: 2.26%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 115.608 ms
Loss rate: 2.26%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-05-24 22:03:19

End at: 2018-05-24 22:03:49

Local clock offset: -6.263 ms

Remote clock offset: 0.067 ms

Below is generated by plot.py at 2018-05-25 00:08:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.10 Mbit/s

95th percentile per-packet one-way delay: 110.006 ms

Loss rate: 2.95%

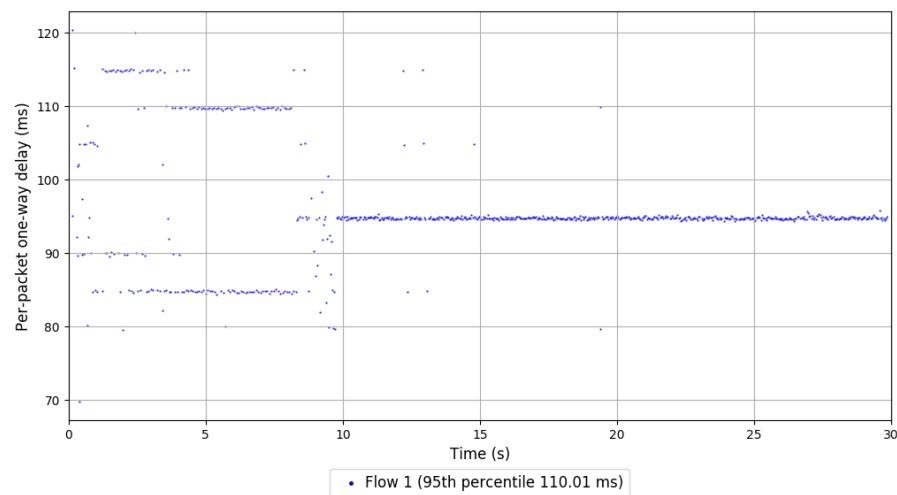
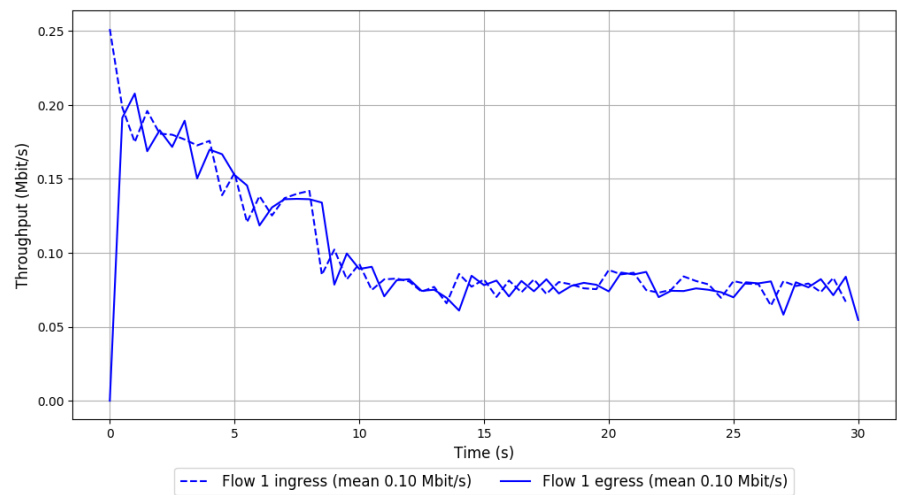
-- Flow 1:

Average throughput: 0.10 Mbit/s

95th percentile per-packet one-way delay: 110.006 ms

Loss rate: 2.95%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-05-24 22:23:24

End at: 2018-05-24 22:23:54

Local clock offset: -6.008 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-05-25 00:08:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.10 Mbit/s

95th percentile per-packet one-way delay: 102.951 ms

Loss rate: 2.19%

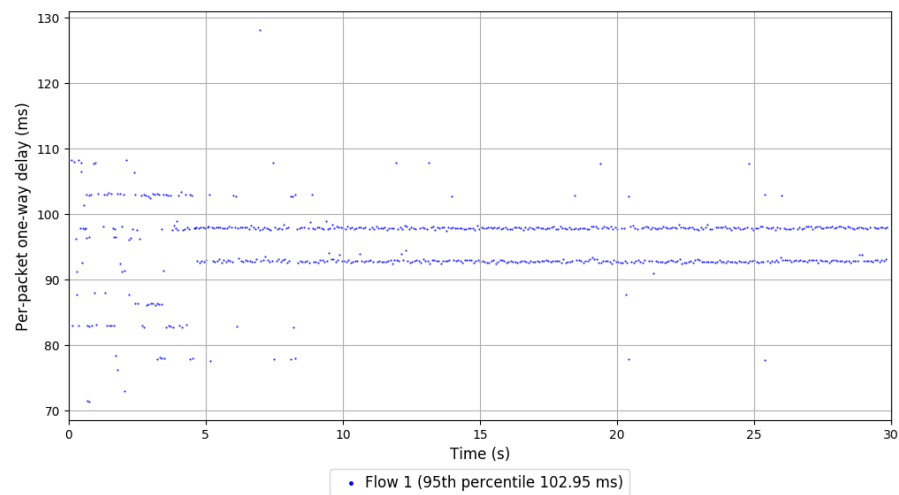
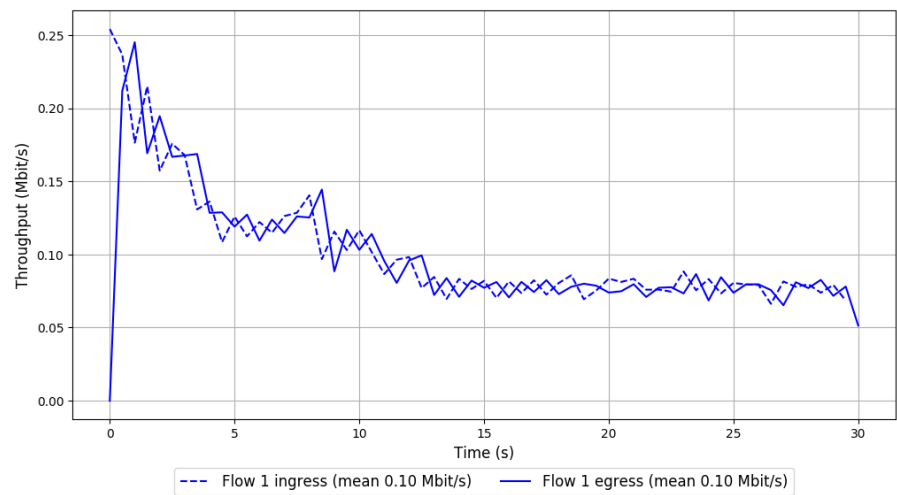
-- Flow 1:

Average throughput: 0.10 Mbit/s

95th percentile per-packet one-way delay: 102.951 ms

Loss rate: 2.19%

Run 5: Report of SReAM — Data Link

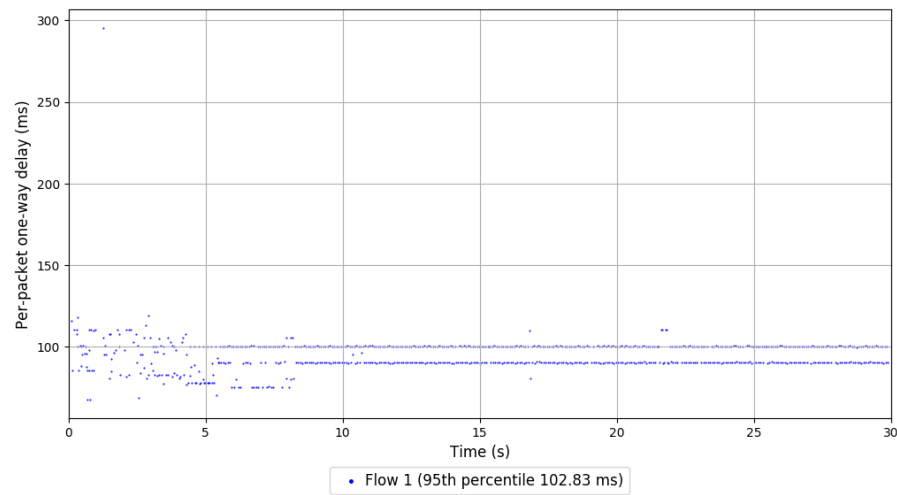
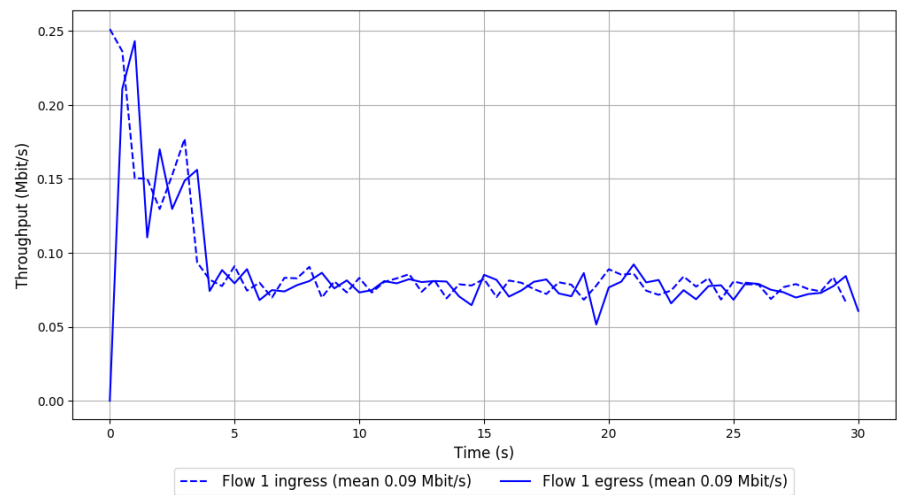


Run 6: Statistics of SCReAM

Start at: 2018-05-24 22:43:29
End at: 2018-05-24 22:43:59
Local clock offset: -4.806 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-05-25 00:08:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 102.832 ms
Loss rate: 3.19%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 102.832 ms
Loss rate: 3.19%

Run 6: Report of SReAM — Data Link

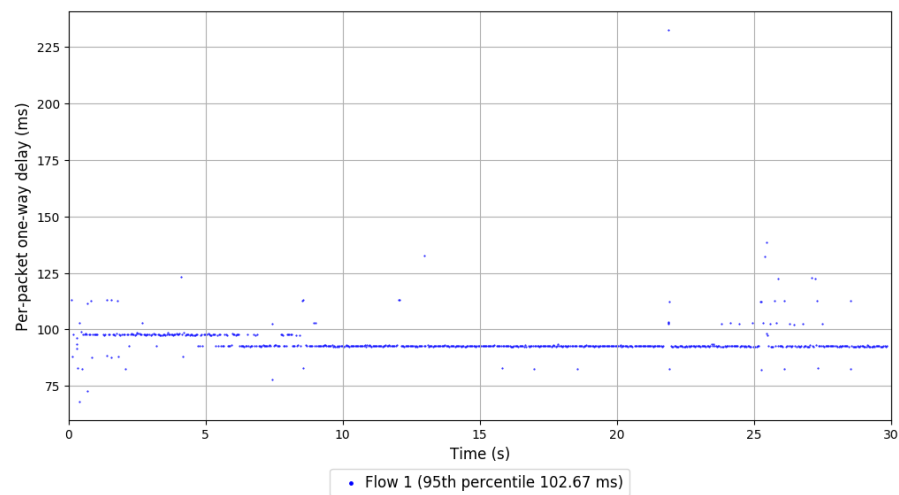
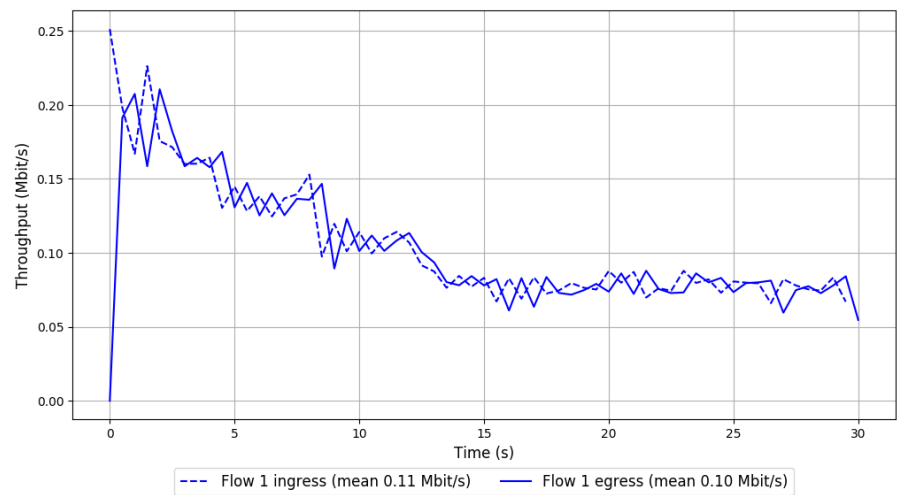


Run 7: Statistics of SCReAM

Start at: 2018-05-24 23:03:34
End at: 2018-05-24 23:04:04
Local clock offset: 1.098 ms
Remote clock offset: -0.641 ms

Below is generated by plot.py at 2018-05-25 00:08:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 102.674 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 102.674 ms
Loss rate: 2.34%

Run 7: Report of SReAM — Data Link

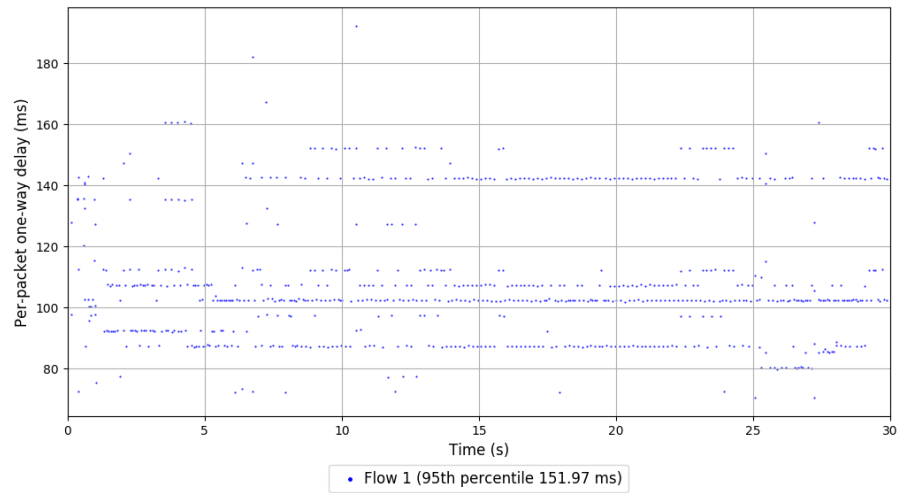
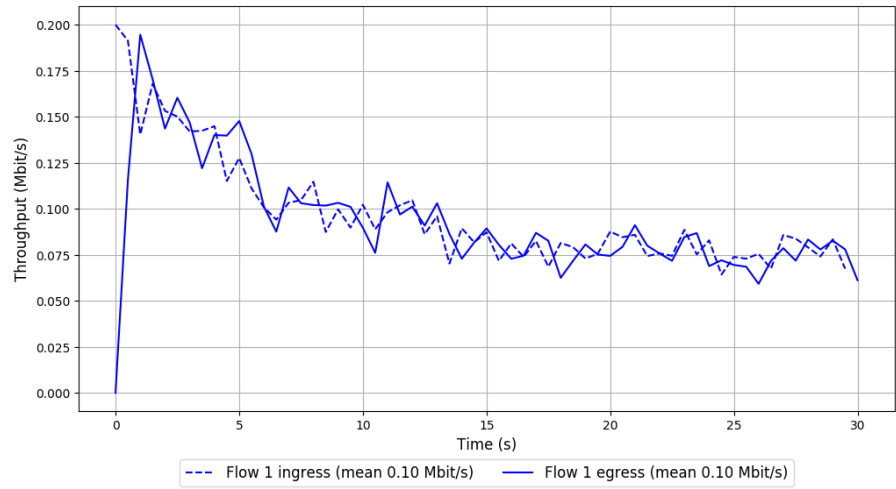


Run 8: Statistics of SCReAM

Start at: 2018-05-24 23:23:39
End at: 2018-05-24 23:24:09
Local clock offset: 6.739 ms
Remote clock offset: -0.511 ms

Below is generated by plot.py at 2018-05-25 00:08:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 151.975 ms
Loss rate: 2.26%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 151.975 ms
Loss rate: 2.26%

Run 8: Report of SReAM — Data Link

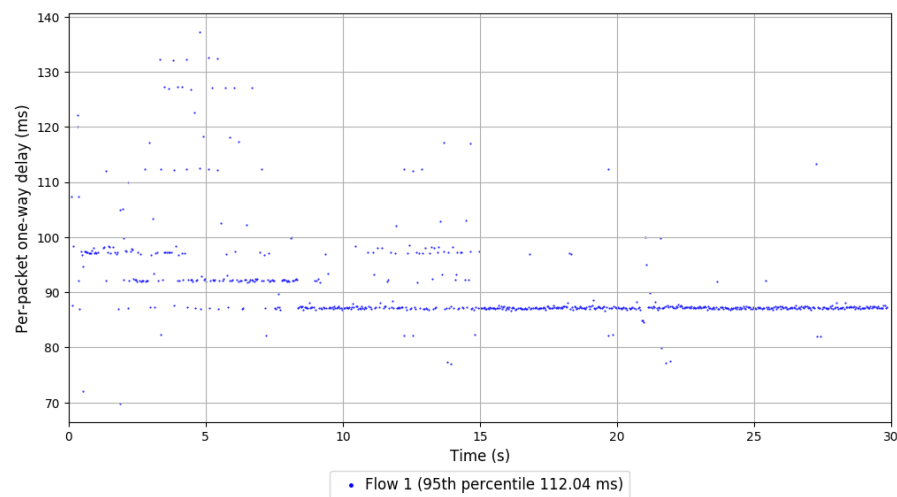
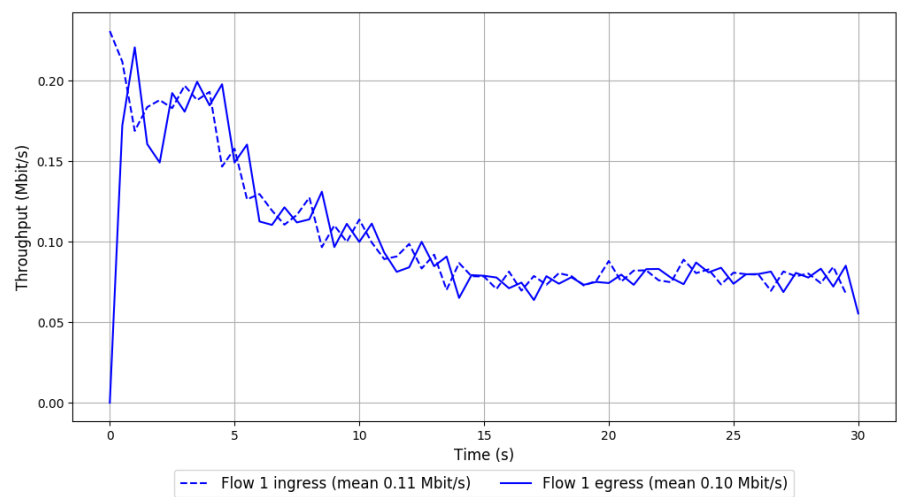


Run 9: Statistics of SCReAM

Start at: 2018-05-24 23:43:44
End at: 2018-05-24 23:44:14
Local clock offset: 2.174 ms
Remote clock offset: -0.479 ms

Below is generated by plot.py at 2018-05-25 00:08:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 112.036 ms
Loss rate: 2.89%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 112.036 ms
Loss rate: 2.89%

Run 9: Report of SReAM — Data Link

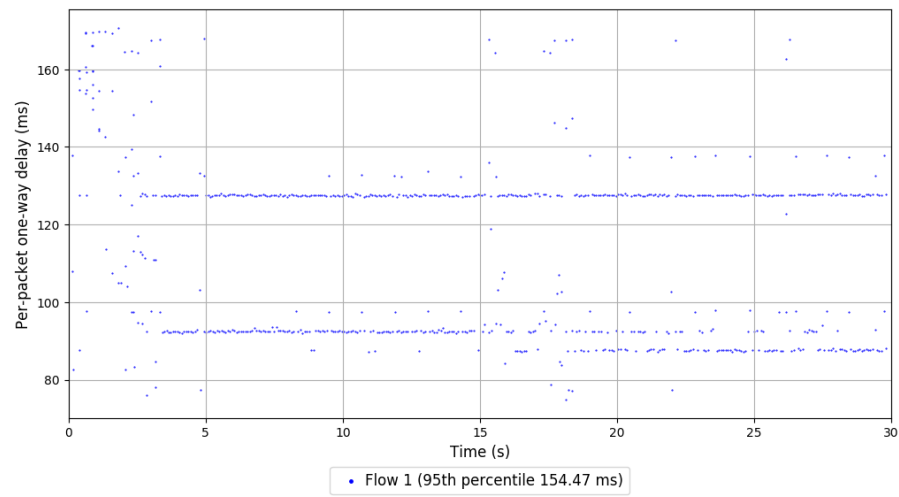
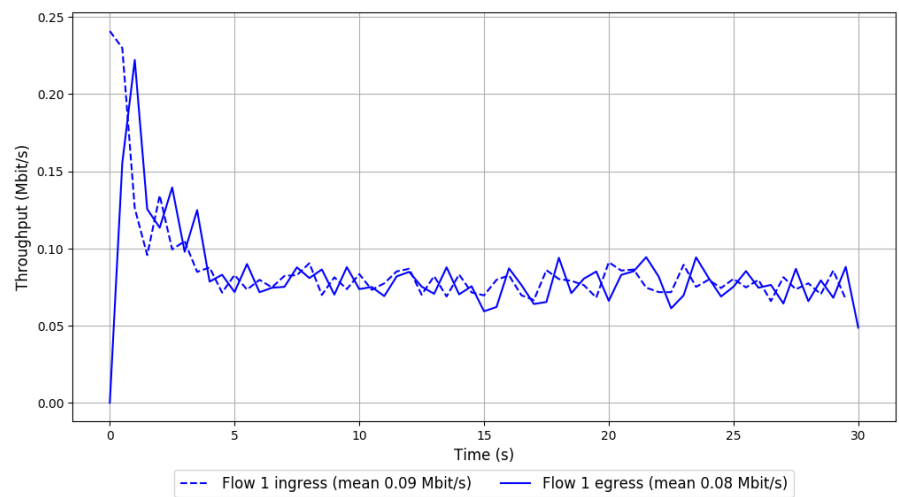


Run 10: Statistics of SCReAM

Start at: 2018-05-25 00:03:49
End at: 2018-05-25 00:04:19
Local clock offset: 0.181 ms
Remote clock offset: -0.524 ms

Below is generated by plot.py at 2018-05-25 00:08:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 154.473 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 154.473 ms
Loss rate: 2.29%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-05-24 20:48:00

End at: 2018-05-24 20:48:30

Local clock offset: -3.139 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-05-25 00:08:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 119.147 ms

Loss rate: 7.61%

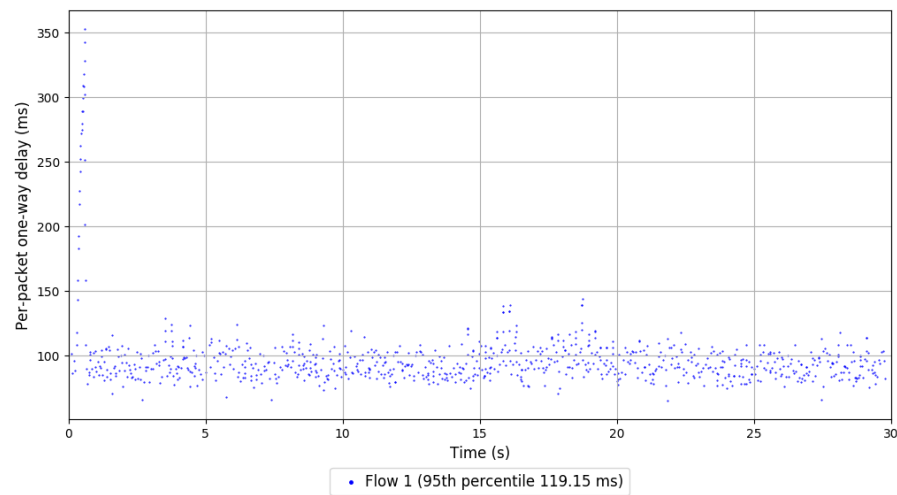
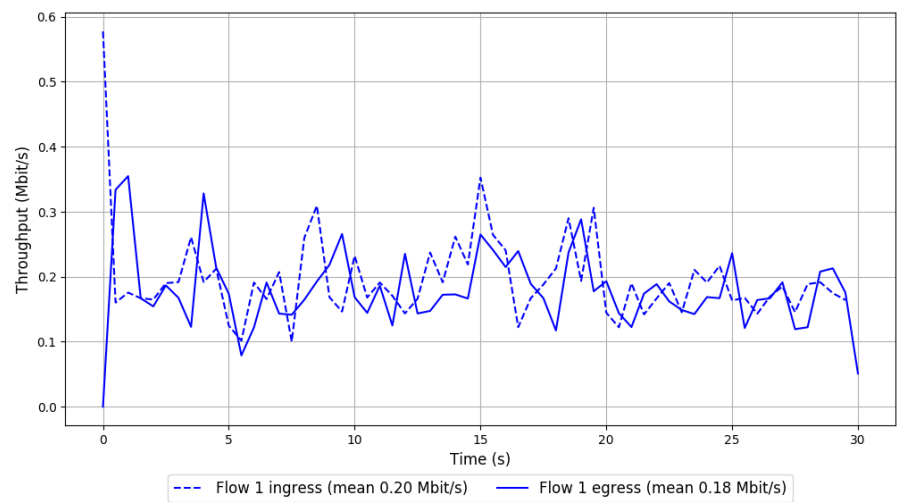
-- Flow 1:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 119.147 ms

Loss rate: 7.61%

Run 1: Report of Sprout — Data Link

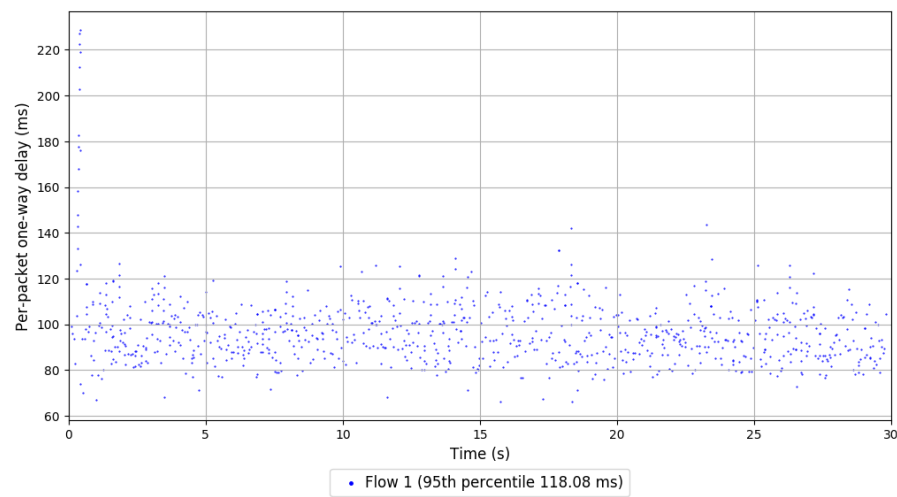
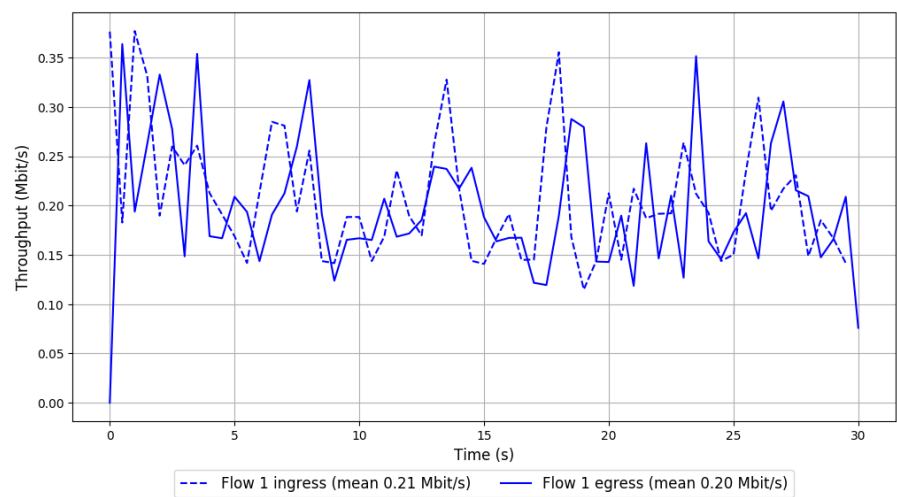


Run 2: Statistics of Sprout

Start at: 2018-05-24 21:08:05
End at: 2018-05-24 21:08:35
Local clock offset: -4.133 ms
Remote clock offset: -0.296 ms

Below is generated by plot.py at 2018-05-25 00:08:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 118.083 ms
Loss rate: 3.21%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 118.083 ms
Loss rate: 3.21%

Run 2: Report of Sprout — Data Link

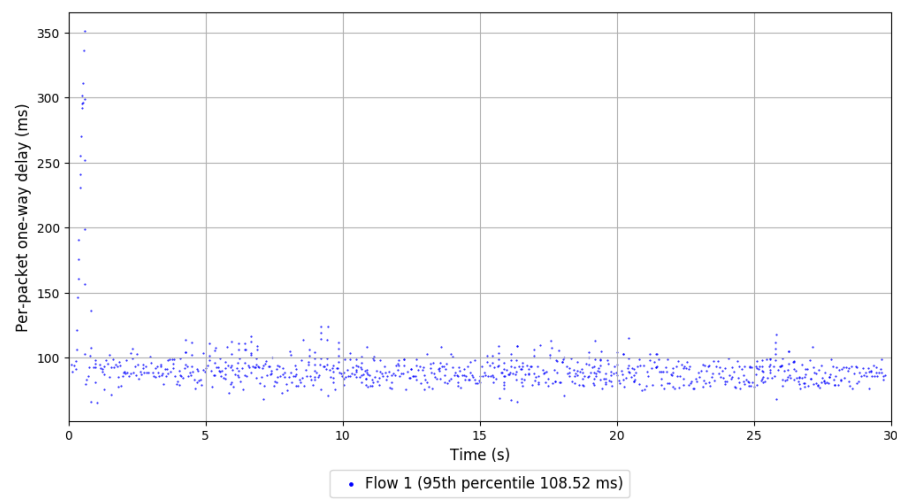
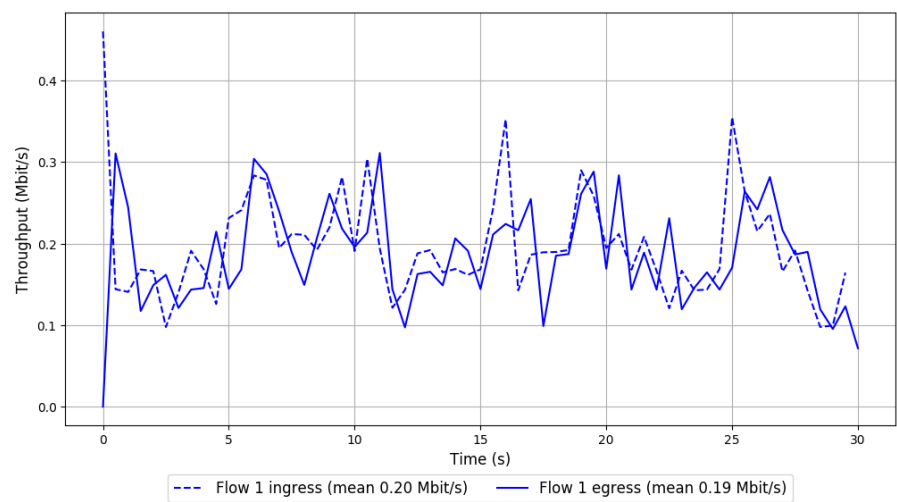


Run 3: Statistics of Sprout

Start at: 2018-05-24 21:28:10
End at: 2018-05-24 21:28:40
Local clock offset: -5.521 ms
Remote clock offset: -0.723 ms

Below is generated by plot.py at 2018-05-25 00:08:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 108.524 ms
Loss rate: 3.70%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 108.524 ms
Loss rate: 3.70%

Run 3: Report of Sprout — Data Link

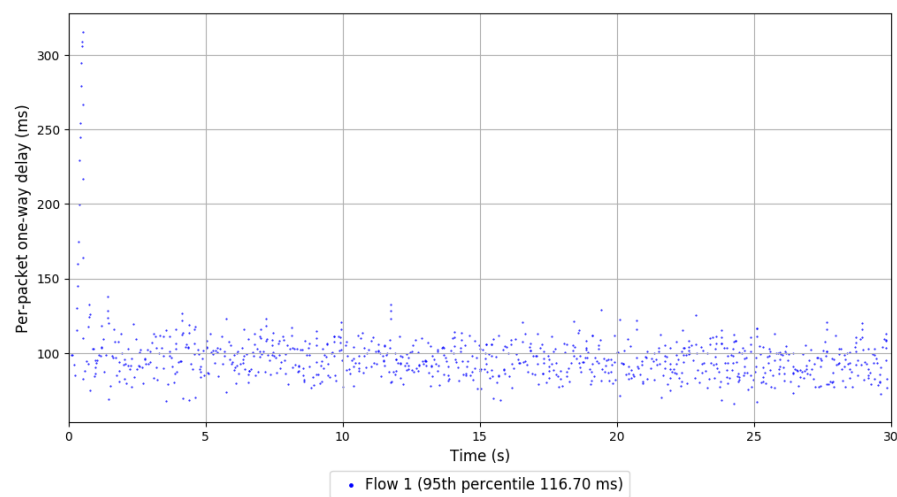
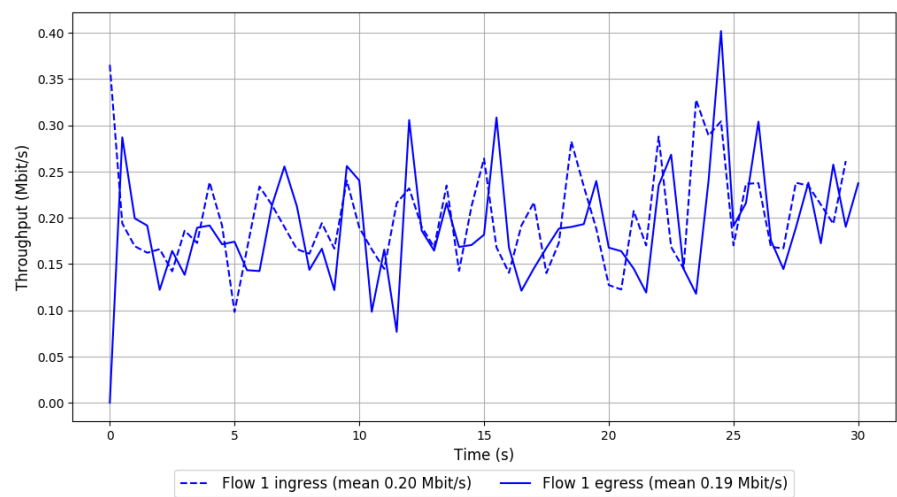


Run 4: Statistics of Sprout

Start at: 2018-05-24 21:48:15
End at: 2018-05-24 21:48:45
Local clock offset: -6.908 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-05-25 00:08:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 116.701 ms
Loss rate: 4.05%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 116.701 ms
Loss rate: 4.05%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-05-24 22:08:20

End at: 2018-05-24 22:08:50

Local clock offset: -6.119 ms

Remote clock offset: 0.056 ms

Below is generated by plot.py at 2018-05-25 00:08:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 118.169 ms

Loss rate: 6.93%

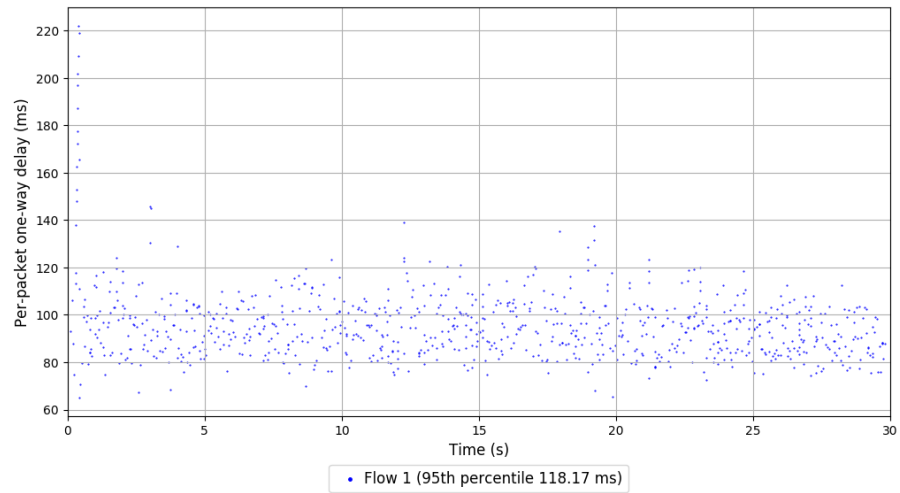
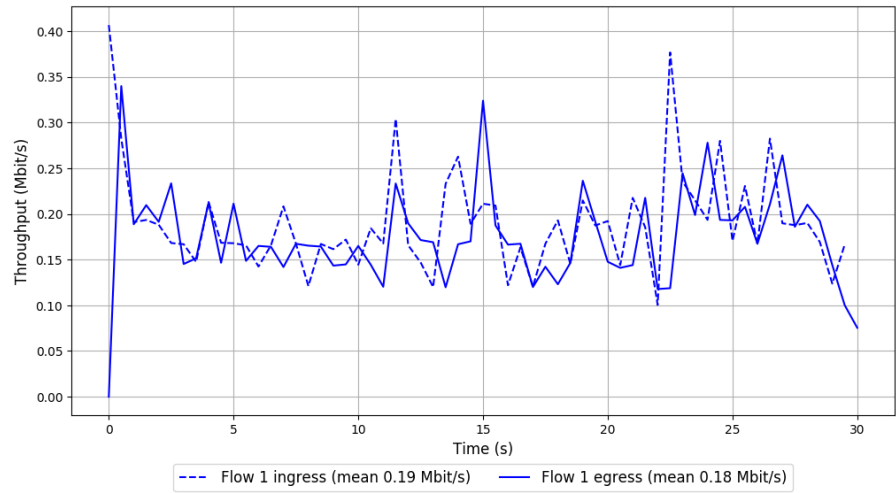
-- Flow 1:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 118.169 ms

Loss rate: 6.93%

Run 5: Report of Sprout — Data Link

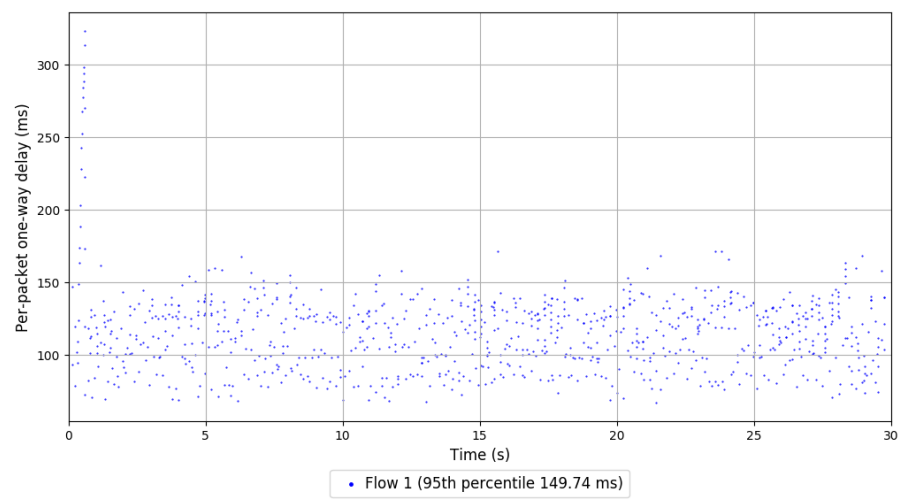
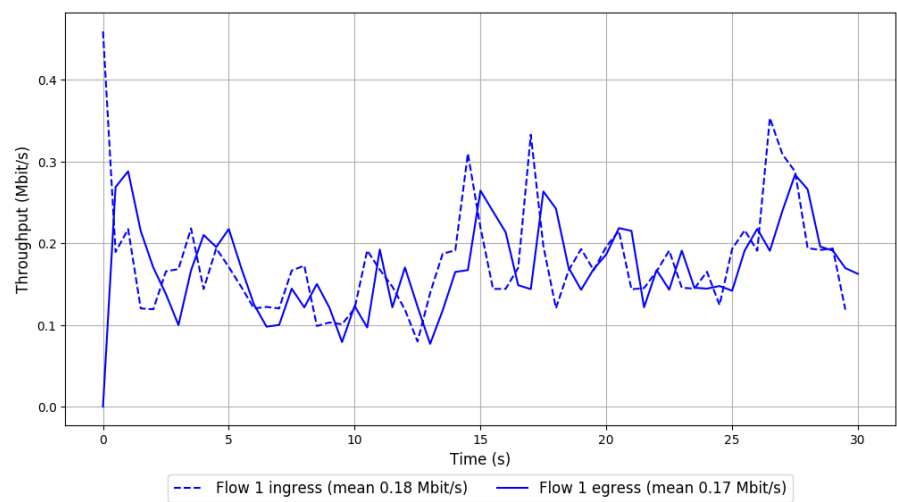


Run 6: Statistics of Sprout

Start at: 2018-05-24 22:28:25
End at: 2018-05-24 22:28:55
Local clock offset: -5.635 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-05-25 00:08:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 149.737 ms
Loss rate: 3.24%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 149.737 ms
Loss rate: 3.24%

Run 6: Report of Sprout — Data Link

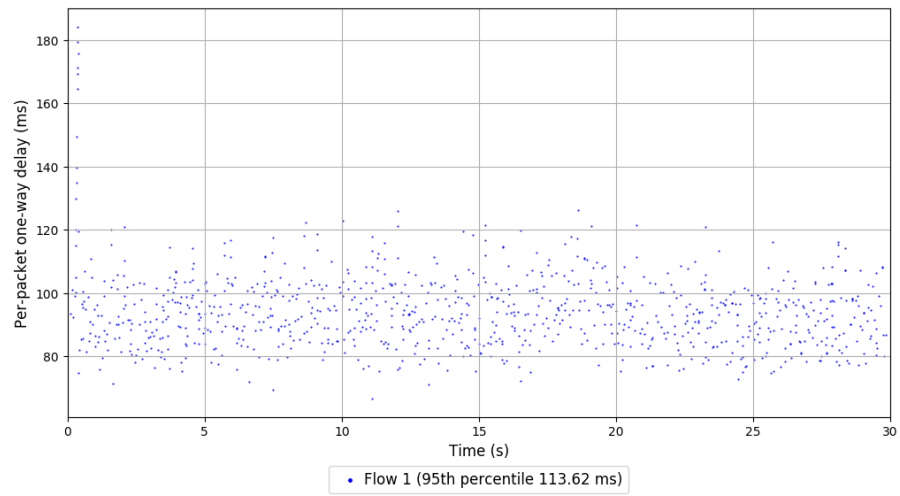
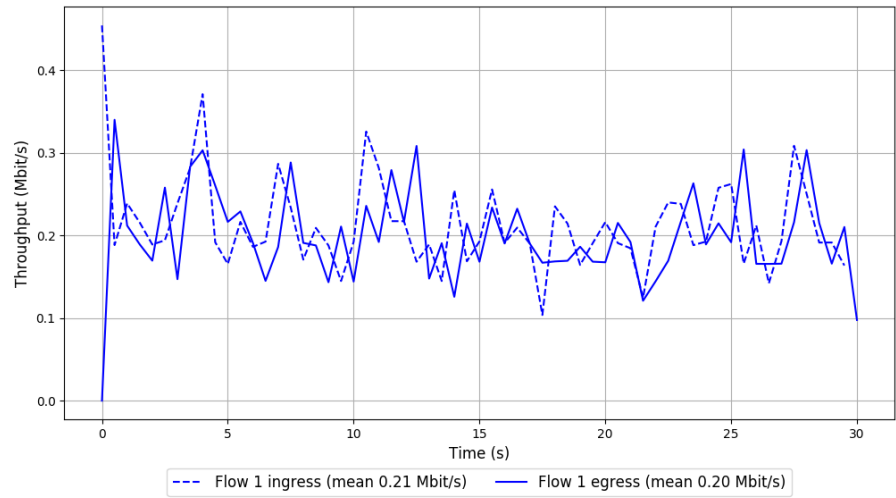


Run 7: Statistics of Sprout

Start at: 2018-05-24 22:48:30
End at: 2018-05-24 22:49:00
Local clock offset: -4.796 ms
Remote clock offset: -0.327 ms

Below is generated by plot.py at 2018-05-25 00:08:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 113.619 ms
Loss rate: 4.81%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 113.619 ms
Loss rate: 4.81%

Run 7: Report of Sprout — Data Link

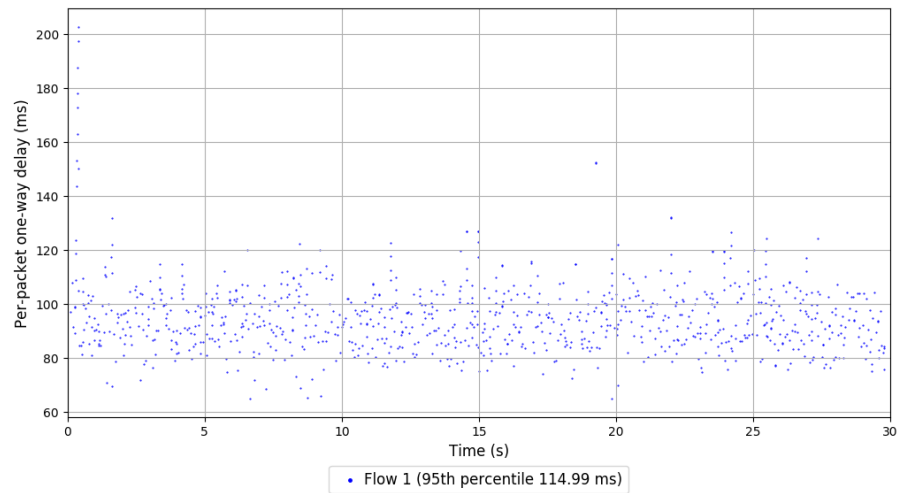
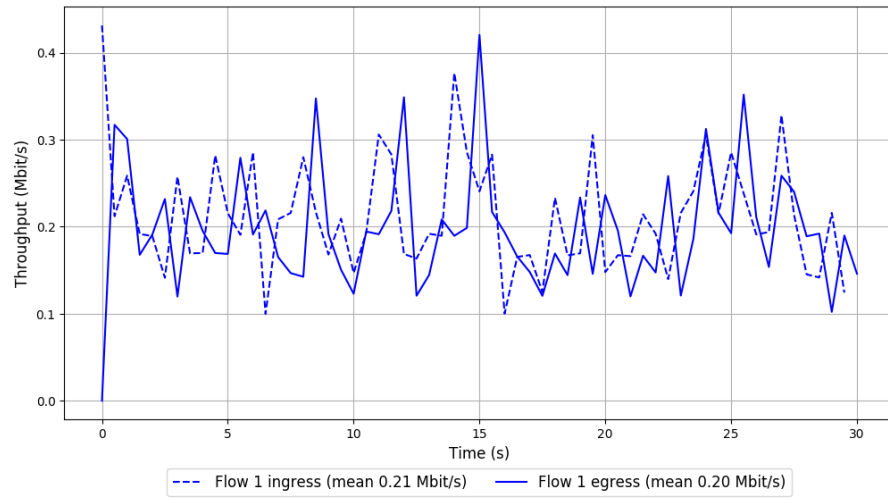


Run 8: Statistics of Sprout

Start at: 2018-05-24 23:08:35
End at: 2018-05-24 23:09:05
Local clock offset: 3.247 ms
Remote clock offset: -0.741 ms

Below is generated by plot.py at 2018-05-25 00:08:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 114.989 ms
Loss rate: 5.71%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 114.989 ms
Loss rate: 5.71%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-05-24 23:28:40

End at: 2018-05-24 23:29:10

Local clock offset: 5.589 ms

Remote clock offset: -0.51 ms

Below is generated by plot.py at 2018-05-25 00:08:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 120.547 ms

Loss rate: 3.20%

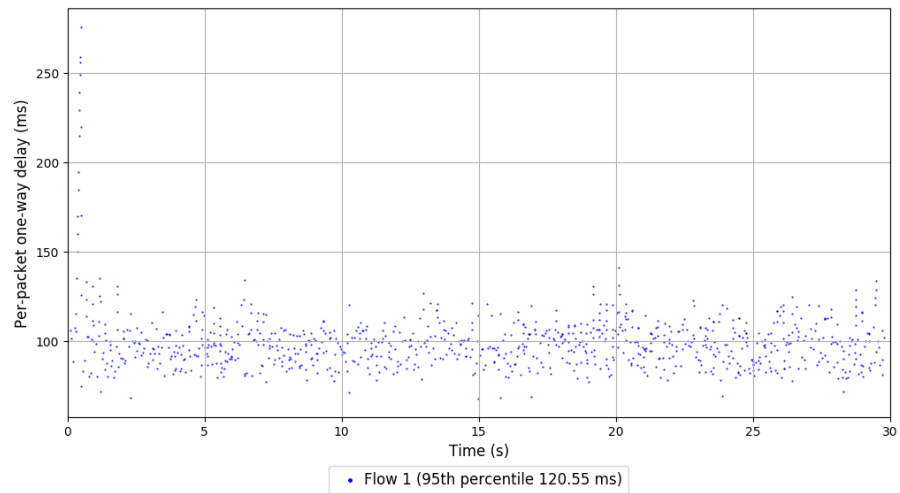
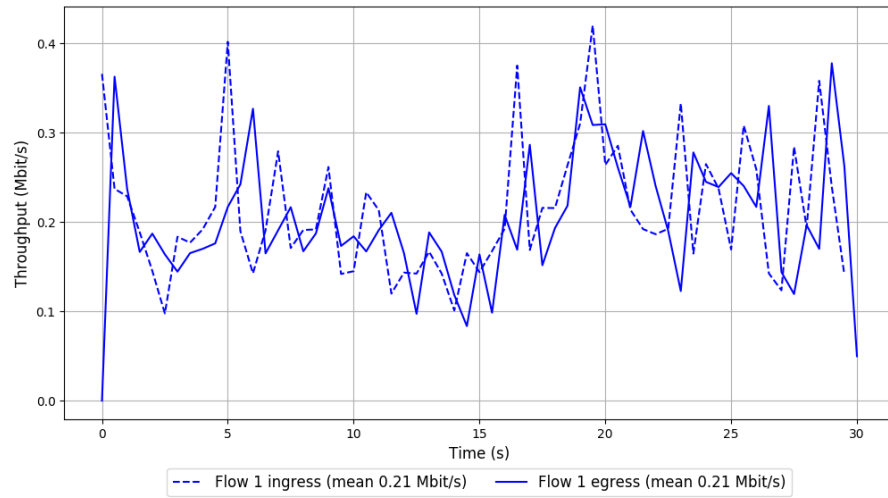
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 120.547 ms

Loss rate: 3.20%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-05-24 23:48:45

End at: 2018-05-24 23:49:15

Local clock offset: 2.063 ms

Remote clock offset: -0.52 ms

Below is generated by plot.py at 2018-05-25 00:08:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 153.206 ms

Loss rate: 6.55%

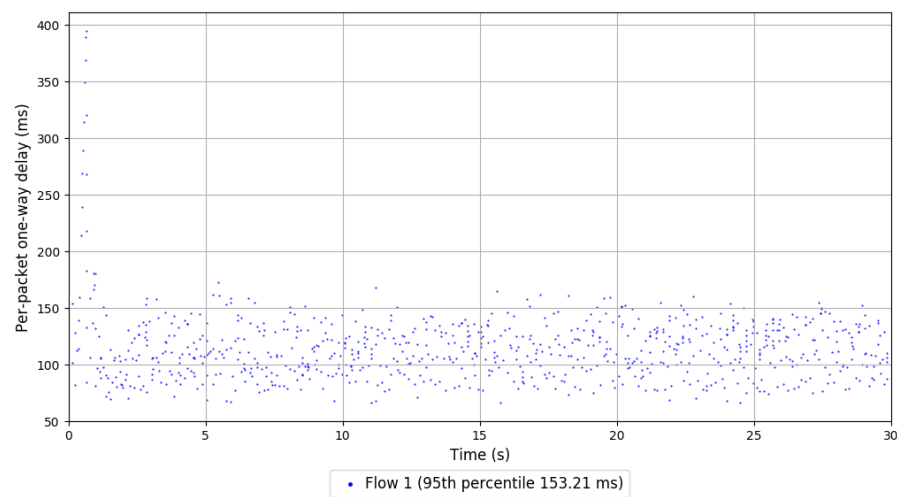
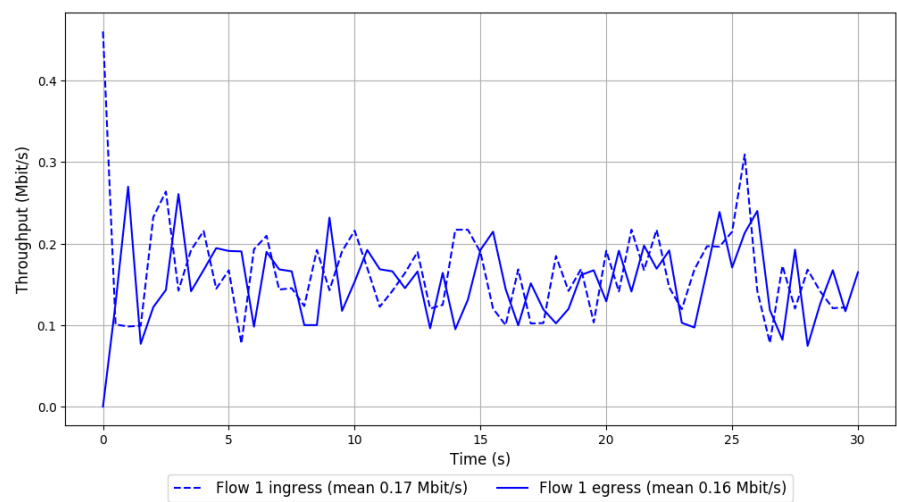
-- Flow 1:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 153.206 ms

Loss rate: 6.55%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-05-24 20:53:01

End at: 2018-05-24 20:53:31

Local clock offset: -3.3 ms

Remote clock offset: 0.063 ms

Below is generated by plot.py at 2018-05-25 00:08:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 223.094 ms

Loss rate: 8.08%

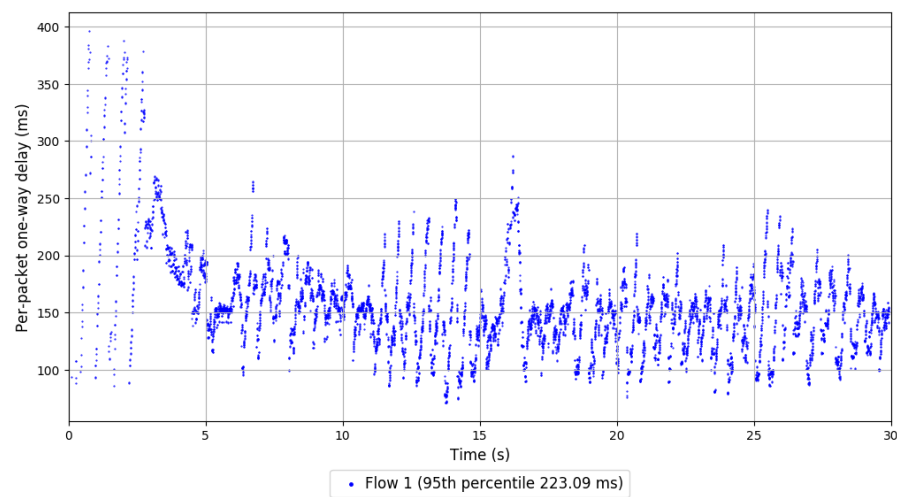
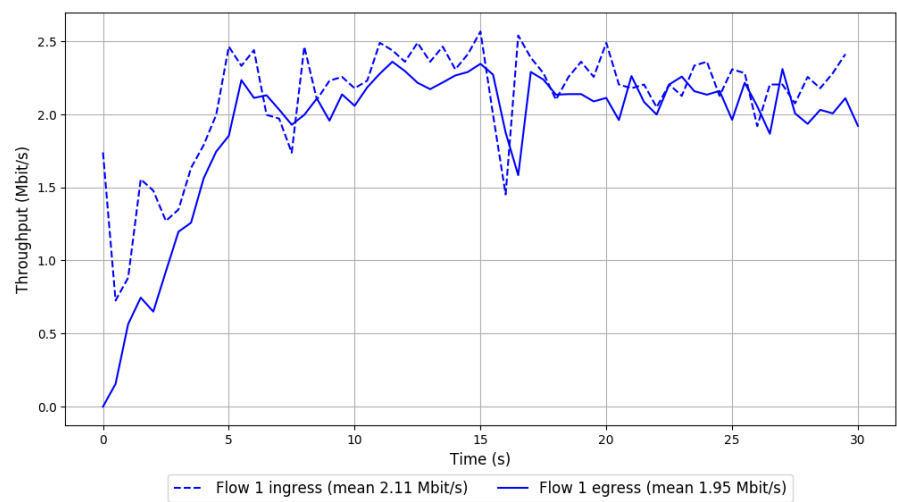
-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 223.094 ms

Loss rate: 8.08%

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

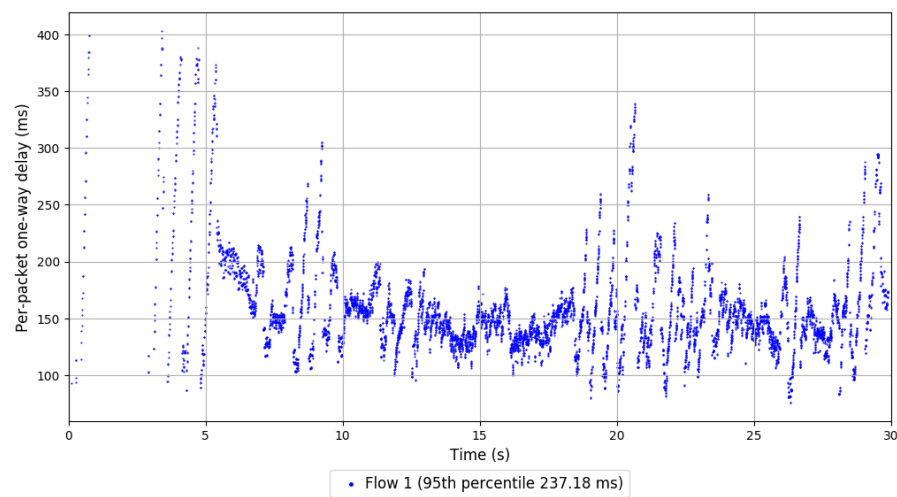
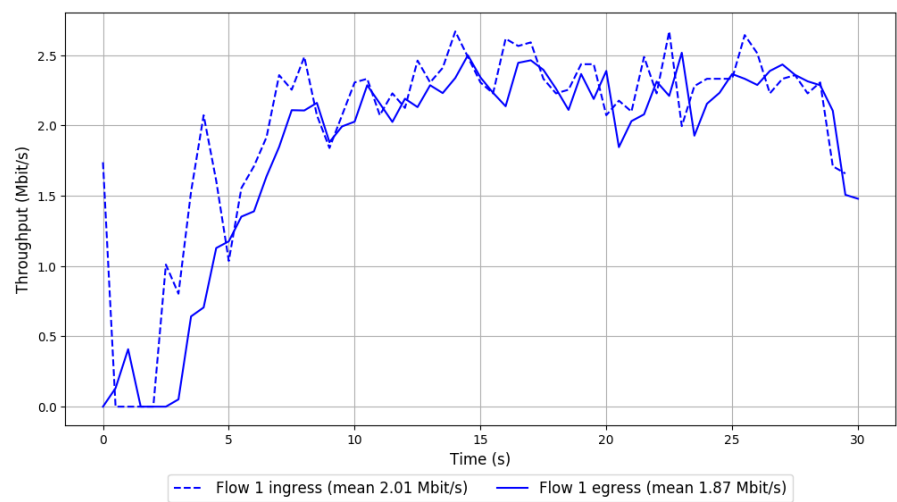


Run 2: Statistics of TaoVA-100x

Start at: 2018-05-24 21:13:06
End at: 2018-05-24 21:13:36
Local clock offset: -4.697 ms
Remote clock offset: -0.533 ms

Below is generated by plot.py at 2018-05-25 00:08:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 237.175 ms
Loss rate: 7.51%
-- Flow 1:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 237.175 ms
Loss rate: 7.51%

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

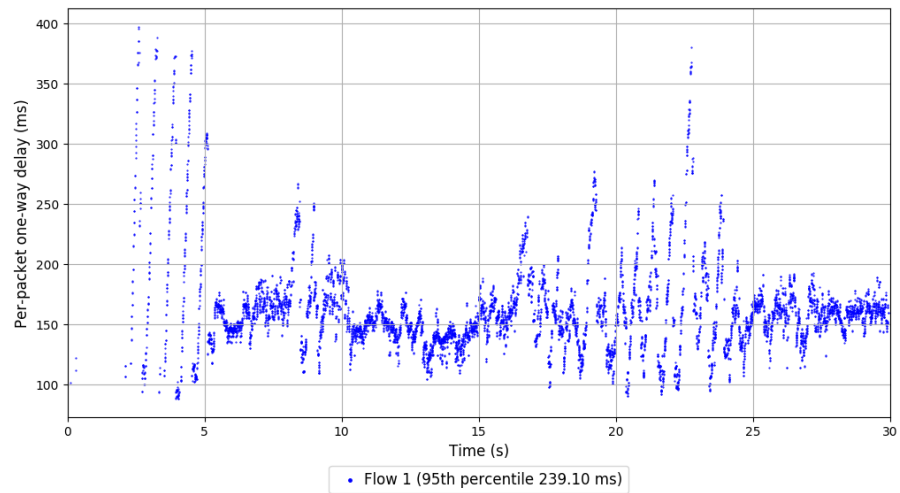
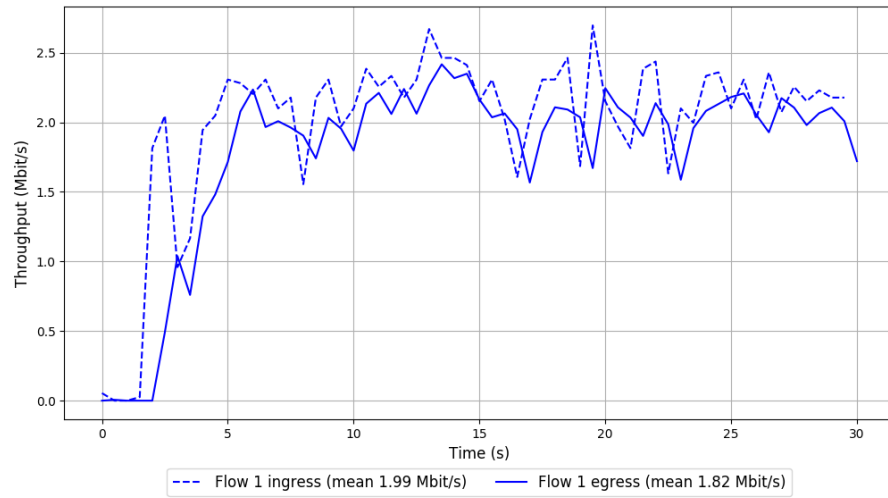


Run 3: Statistics of TaoVA-100x

Start at: 2018-05-24 21:33:11
End at: 2018-05-24 21:33:41
Local clock offset: -5.74 ms
Remote clock offset: -0.836 ms

Below is generated by plot.py at 2018-05-25 00:08:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 239.104 ms
Loss rate: 8.98%
-- Flow 1:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 239.104 ms
Loss rate: 8.98%

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

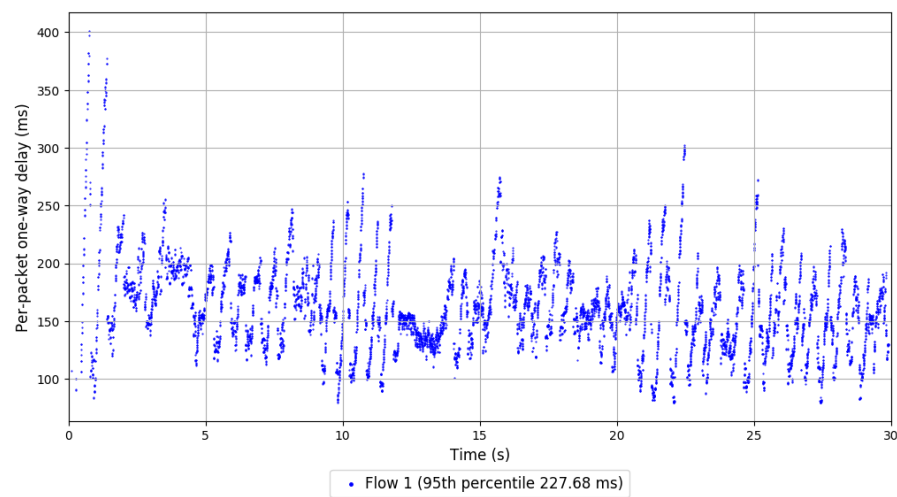
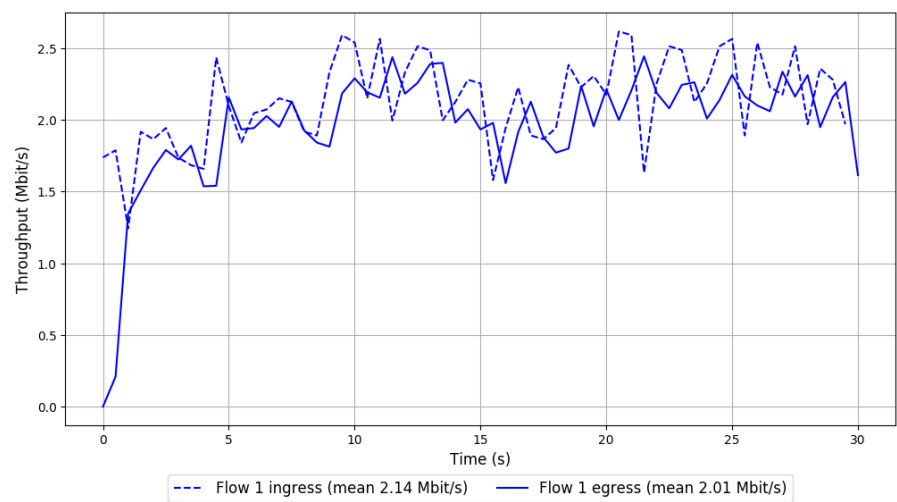


Run 4: Statistics of TaoVA-100x

Start at: 2018-05-24 21:53:16
End at: 2018-05-24 21:53:46
Local clock offset: -7.339 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-05-25 00:08:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 227.676 ms
Loss rate: 6.66%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 227.676 ms
Loss rate: 6.66%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-05-24 22:13:21

End at: 2018-05-24 22:13:51

Local clock offset: -5.948 ms

Remote clock offset: 0.057 ms

Below is generated by plot.py at 2018-05-25 00:08:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.89 Mbit/s

95th percentile per-packet one-way delay: 265.915 ms

Loss rate: 9.20%

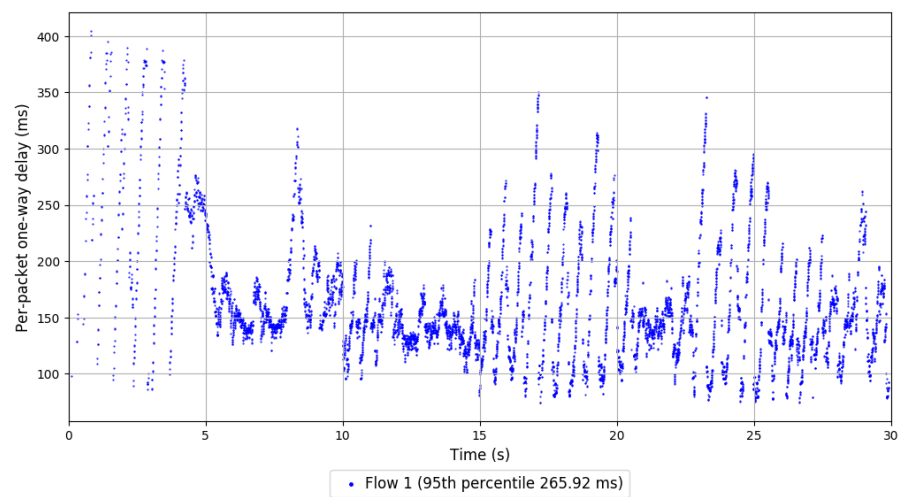
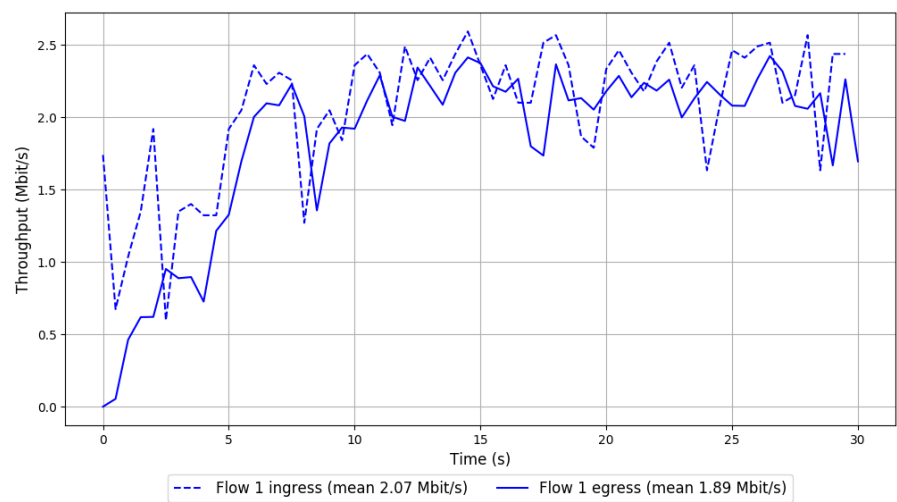
-- Flow 1:

Average throughput: 1.89 Mbit/s

95th percentile per-packet one-way delay: 265.915 ms

Loss rate: 9.20%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-05-24 22:33:26

End at: 2018-05-24 22:33:56

Local clock offset: -5.32 ms

Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-05-25 00:08:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.60 Mbit/s

95th percentile per-packet one-way delay: 297.336 ms

Loss rate: 8.55%

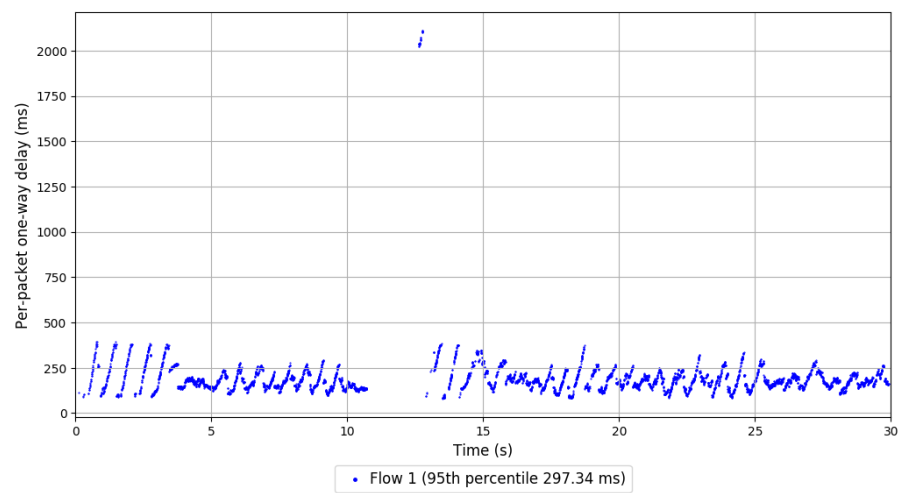
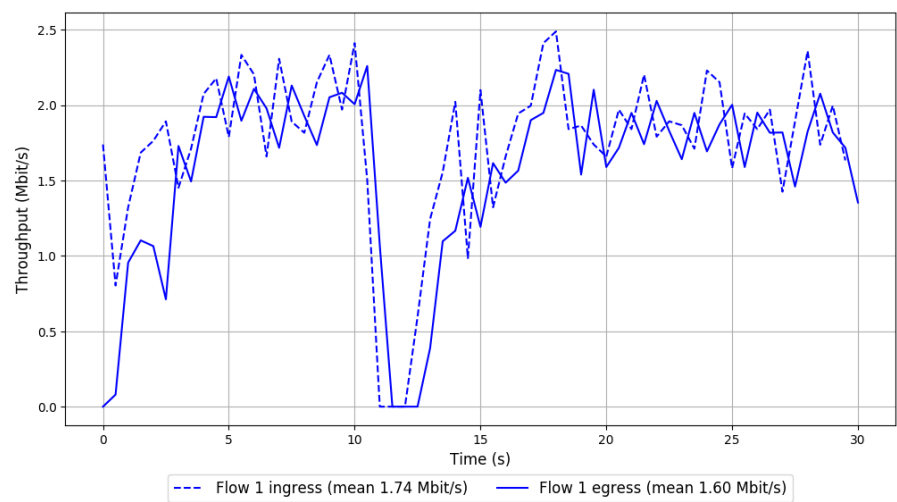
-- Flow 1:

Average throughput: 1.60 Mbit/s

95th percentile per-packet one-way delay: 297.336 ms

Loss rate: 8.55%

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

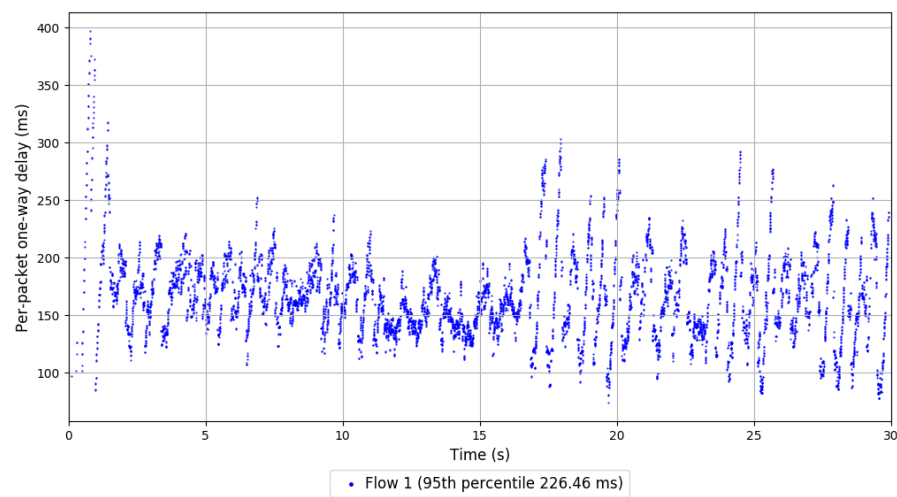
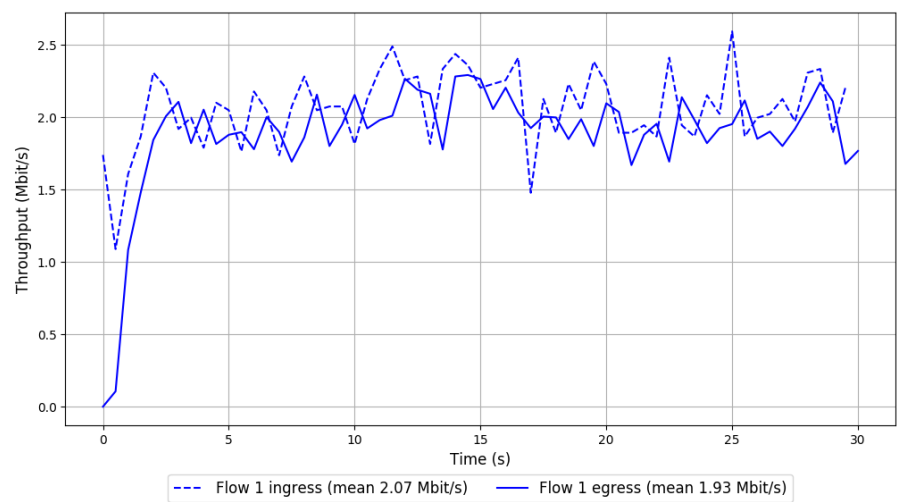


Run 7: Statistics of TaoVA-100x

Start at: 2018-05-24 22:53:31
End at: 2018-05-24 22:54:01
Local clock offset: -4.816 ms
Remote clock offset: -0.461 ms

Below is generated by plot.py at 2018-05-25 00:08:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 226.461 ms
Loss rate: 7.27%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 226.461 ms
Loss rate: 7.27%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-05-24 23:13:36

End at: 2018-05-24 23:14:06

Local clock offset: 4.7 ms

Remote clock offset: -0.744 ms

Below is generated by plot.py at 2018-05-25 00:08:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.33 Mbit/s

95th percentile per-packet one-way delay: 268.324 ms

Loss rate: 11.33%

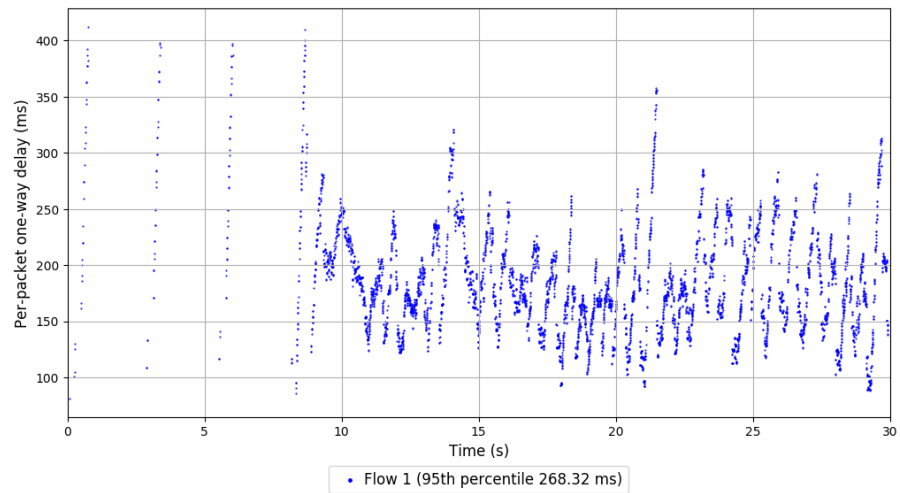
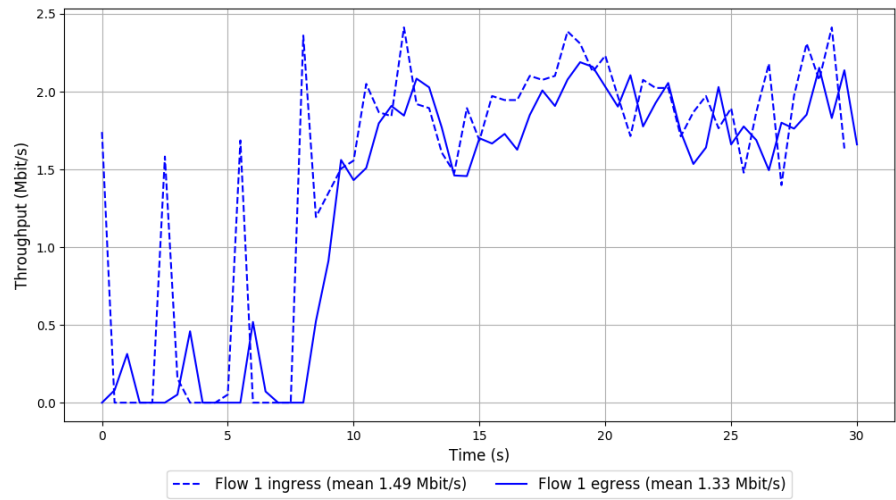
-- Flow 1:

Average throughput: 1.33 Mbit/s

95th percentile per-packet one-way delay: 268.324 ms

Loss rate: 11.33%

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

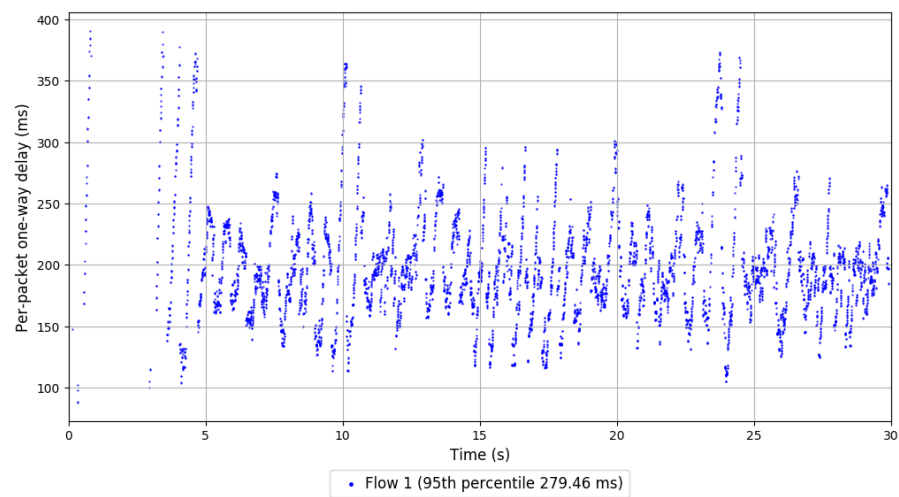
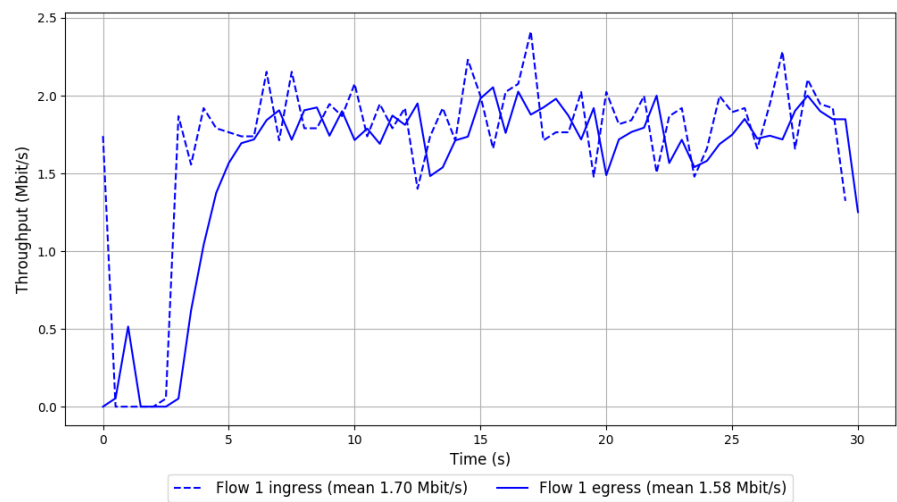


Run 9: Statistics of TaoVA-100x

Start at: 2018-05-24 23:33:41
End at: 2018-05-24 23:34:11
Local clock offset: 3.426 ms
Remote clock offset: -0.494 ms

Below is generated by plot.py at 2018-05-25 00:08:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 279.463 ms
Loss rate: 7.24%
-- Flow 1:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 279.463 ms
Loss rate: 7.24%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-05-24 23:53:46

End at: 2018-05-24 23:54:16

Local clock offset: 2.016 ms

Remote clock offset: -0.494 ms

Below is generated by plot.py at 2018-05-25 00:08:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.49 Mbit/s

95th percentile per-packet one-way delay: 281.343 ms

Loss rate: 8.71%

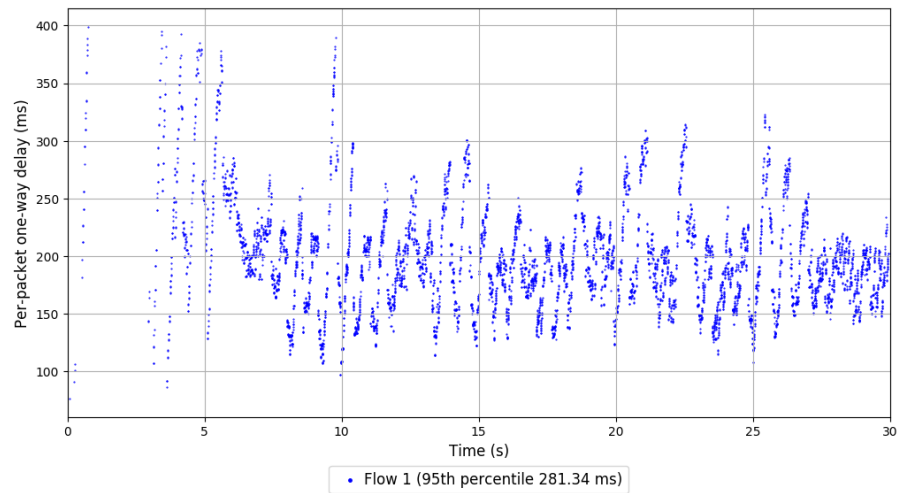
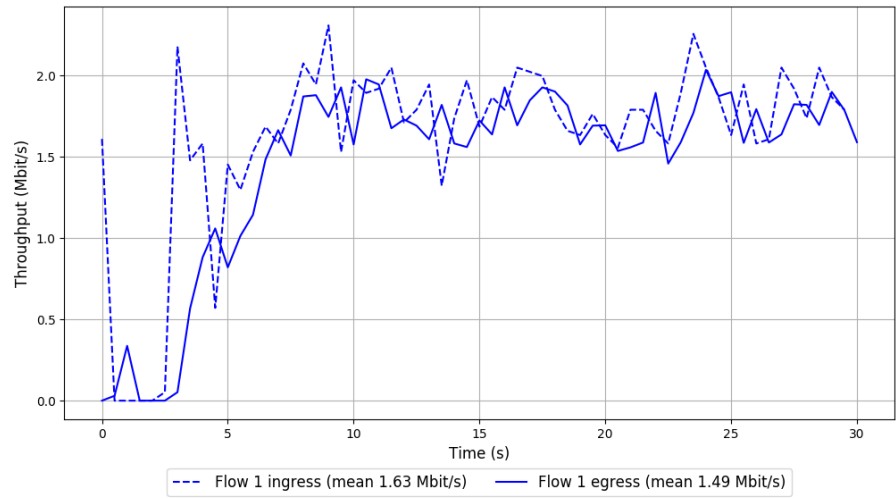
-- Flow 1:

Average throughput: 1.49 Mbit/s

95th percentile per-packet one-way delay: 281.343 ms

Loss rate: 8.71%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-05-24 20:56:48

End at: 2018-05-24 20:57:18

Local clock offset: -3.641 ms

Remote clock offset: 0.067 ms

Below is generated by plot.py at 2018-05-25 00:08:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 113.108 ms

Loss rate: 4.27%

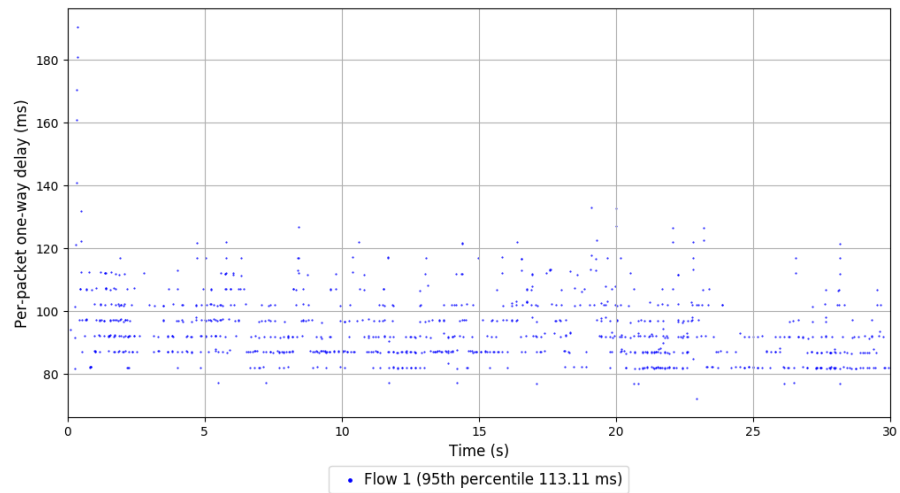
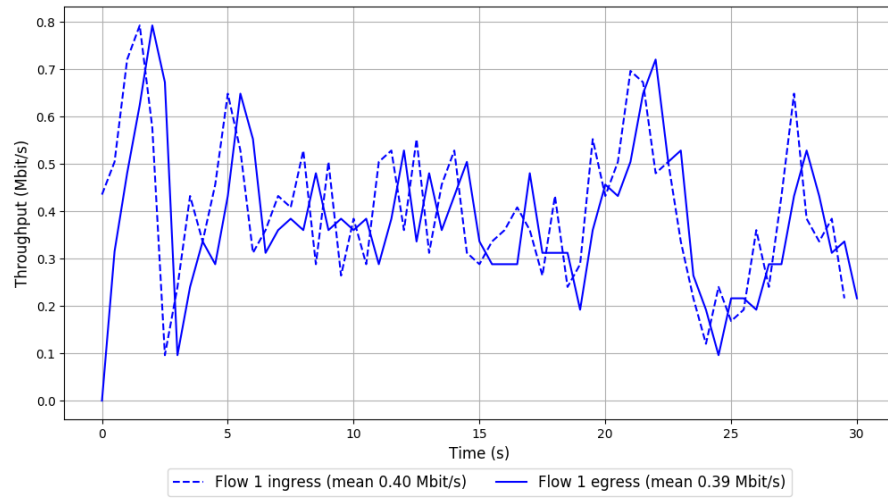
-- Flow 1:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 113.108 ms

Loss rate: 4.27%

Run 1: Report of TCP Vegas — Data Link

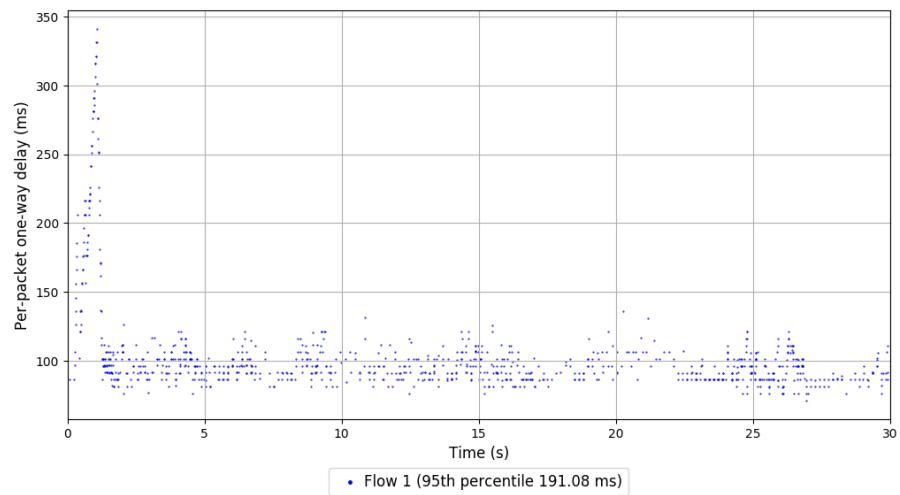
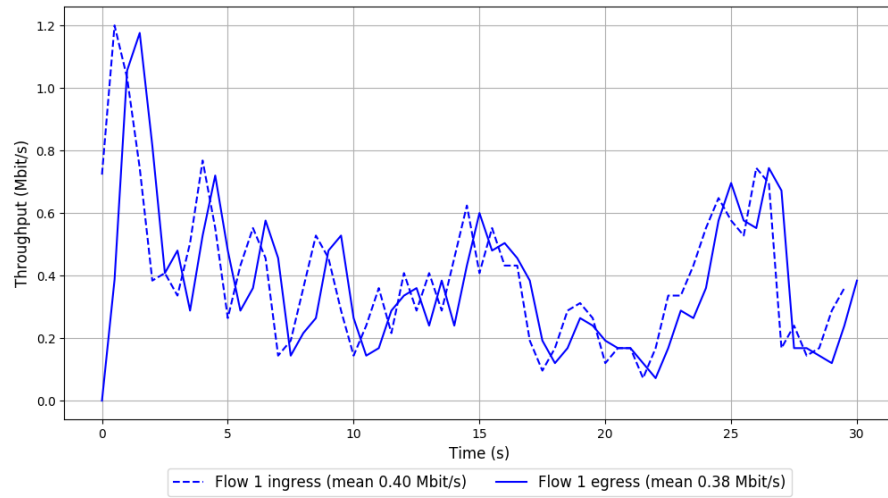


Run 2: Statistics of TCP Vegas

Start at: 2018-05-24 21:16:53
End at: 2018-05-24 21:17:23
Local clock offset: -4.702 ms
Remote clock offset: -0.582 ms

Below is generated by plot.py at 2018-05-25 00:08:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 191.081 ms
Loss rate: 4.43%
-- Flow 1:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 191.081 ms
Loss rate: 4.43%

Run 2: Report of TCP Vegas — Data Link

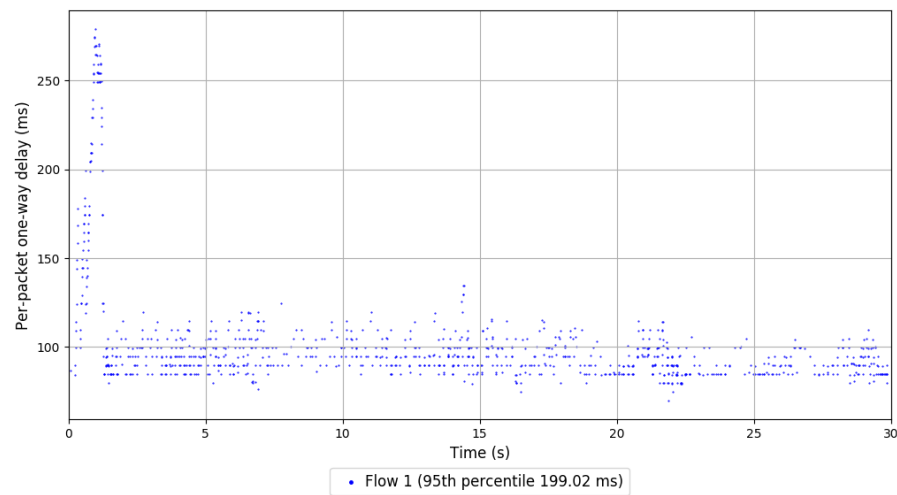
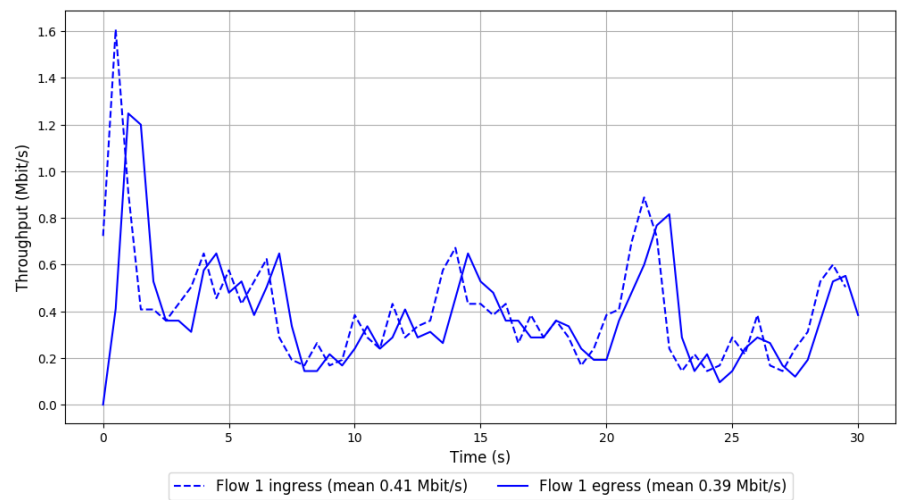


Run 3: Statistics of TCP Vegas

Start at: 2018-05-24 21:36:58
End at: 2018-05-24 21:37:28
Local clock offset: -6.127 ms
Remote clock offset: -0.599 ms

Below is generated by plot.py at 2018-05-25 00:08:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 199.022 ms
Loss rate: 4.99%
-- Flow 1:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 199.022 ms
Loss rate: 4.99%

Run 3: Report of TCP Vegas — Data Link

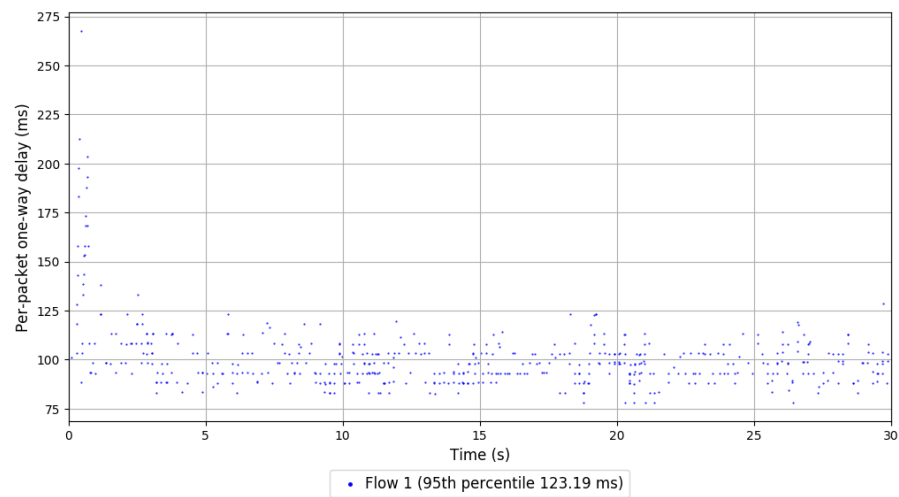
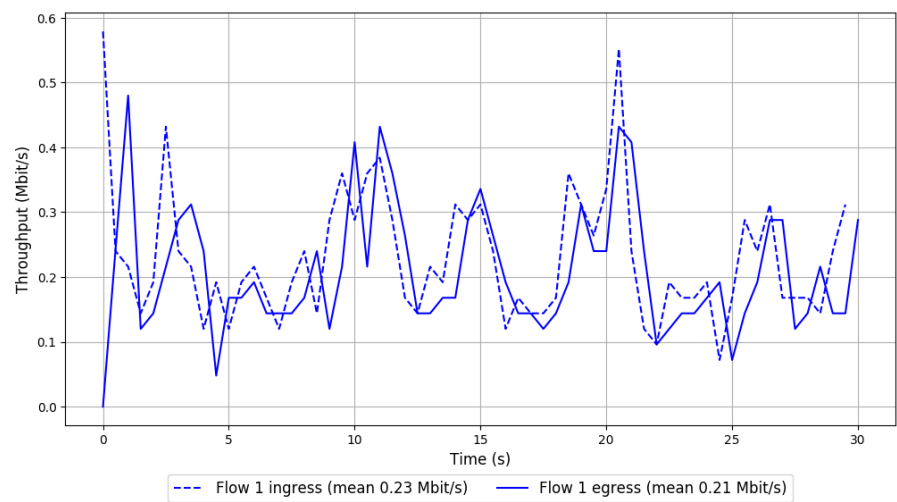


Run 4: Statistics of TCP Vegas

Start at: 2018-05-24 21:57:03
End at: 2018-05-24 21:57:33
Local clock offset: -7.131 ms
Remote clock offset: 0.043 ms

Below is generated by plot.py at 2018-05-25 00:08:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 123.192 ms
Loss rate: 8.16%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 123.192 ms
Loss rate: 8.16%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-05-24 22:17:08

End at: 2018-05-24 22:17:38

Local clock offset: -5.765 ms

Remote clock offset: 0.06 ms

Below is generated by plot.py at 2018-05-25 00:08:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 247.117 ms

Loss rate: 6.71%

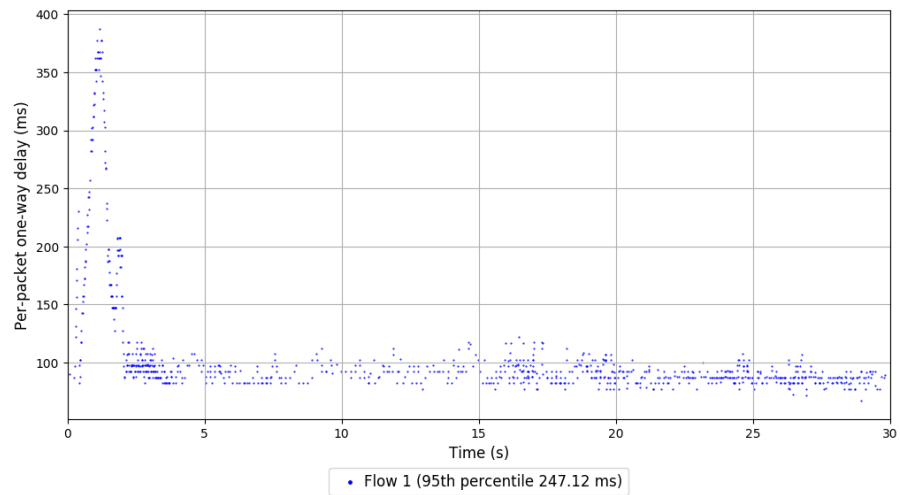
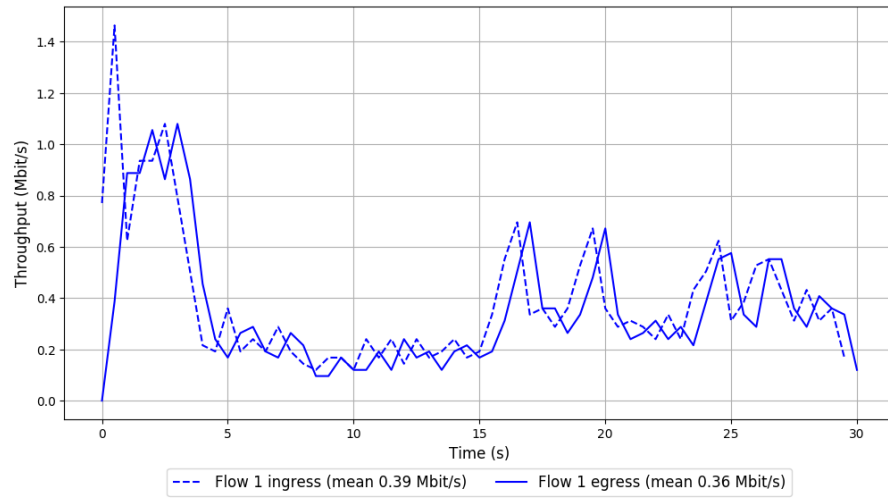
-- Flow 1:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 247.117 ms

Loss rate: 6.71%

Run 5: Report of TCP Vegas — Data Link

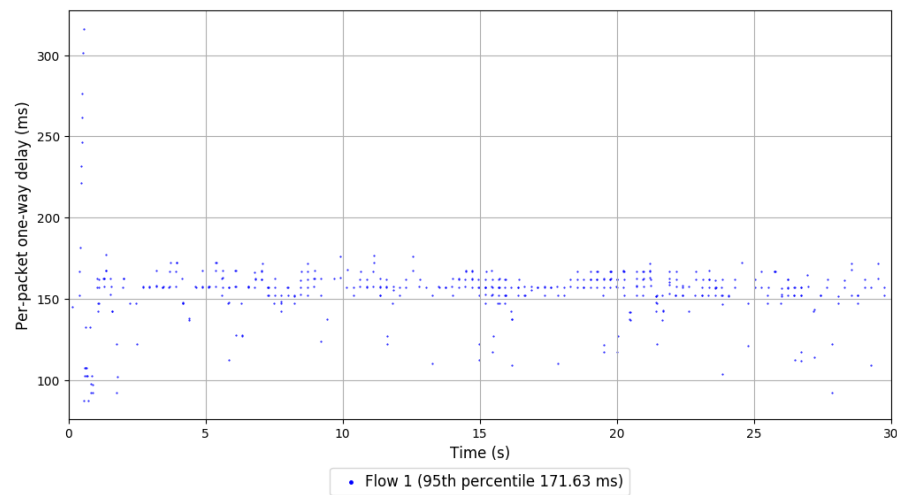
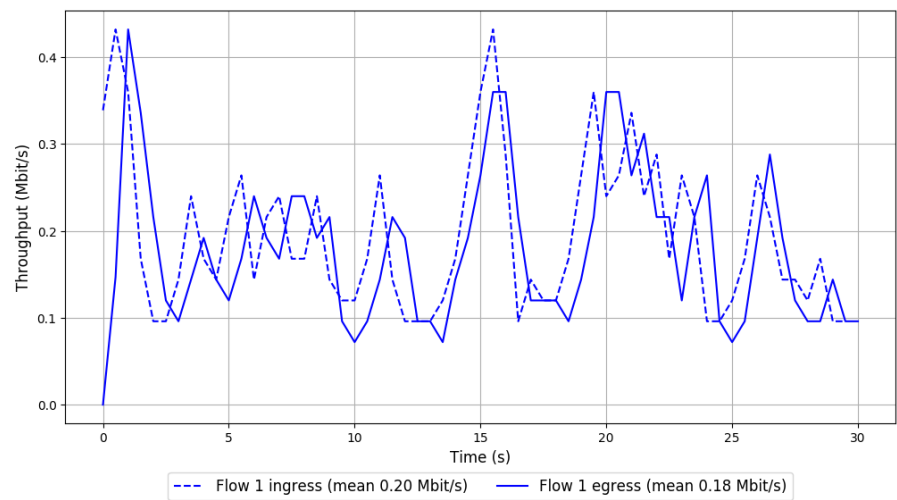


Run 6: Statistics of TCP Vegas

Start at: 2018-05-24 22:37:13
End at: 2018-05-24 22:37:43
Local clock offset: -4.867 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-05-25 00:08:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 171.627 ms
Loss rate: 6.75%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 171.627 ms
Loss rate: 6.75%

Run 6: Report of TCP Vegas — Data Link

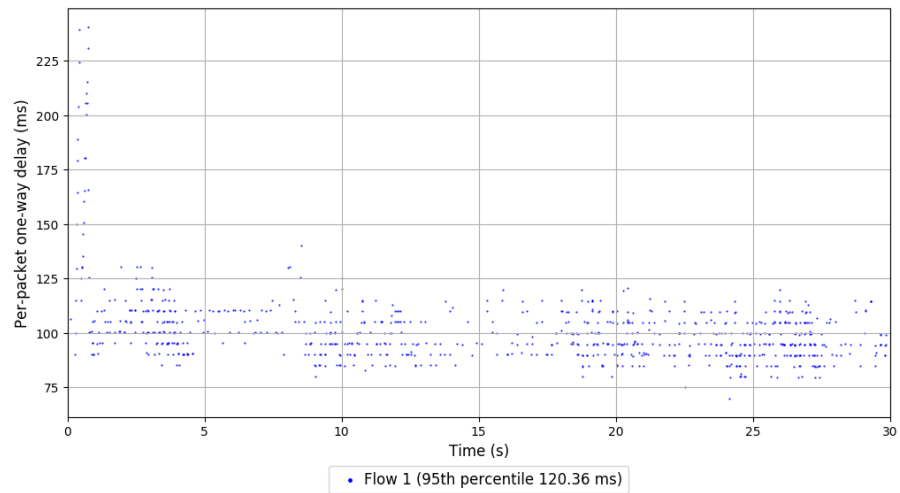
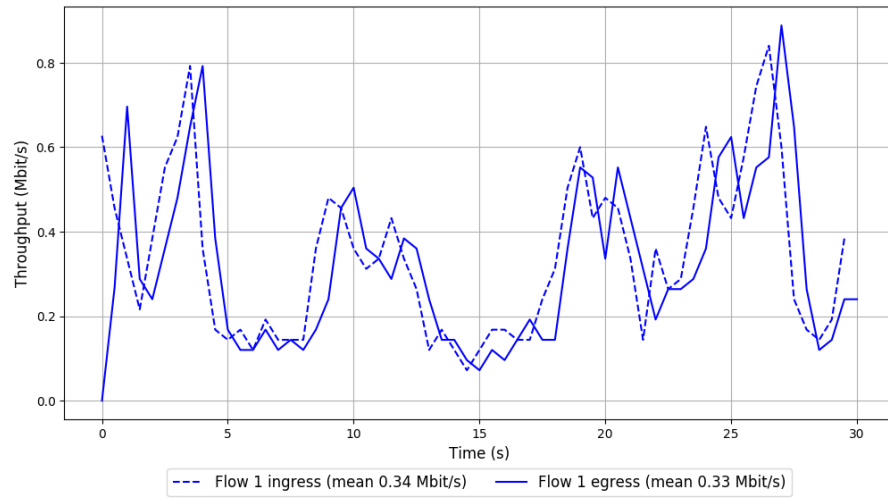


Run 7: Statistics of TCP Vegas

Start at: 2018-05-24 22:57:18
End at: 2018-05-24 22:57:48
Local clock offset: -3.16 ms
Remote clock offset: -0.561 ms

Below is generated by plot.py at 2018-05-25 00:08:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 120.356 ms
Loss rate: 4.69%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 120.356 ms
Loss rate: 4.69%

Run 7: Report of TCP Vegas — Data Link

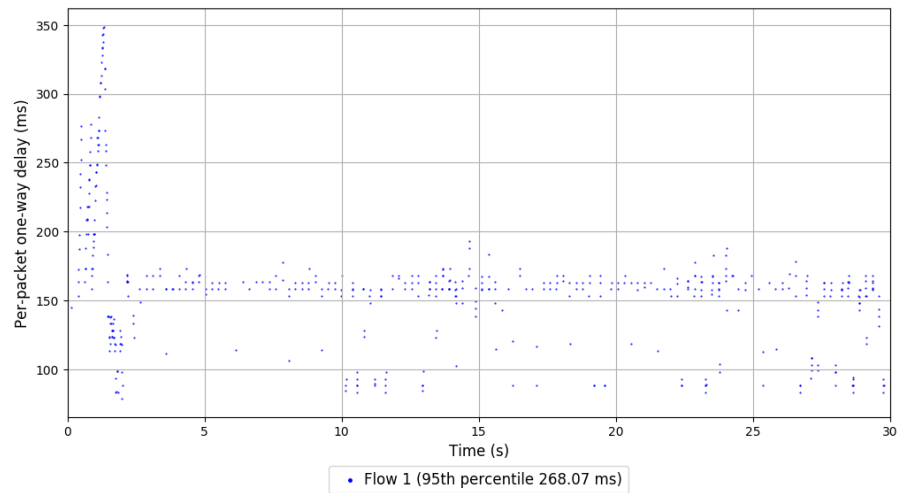
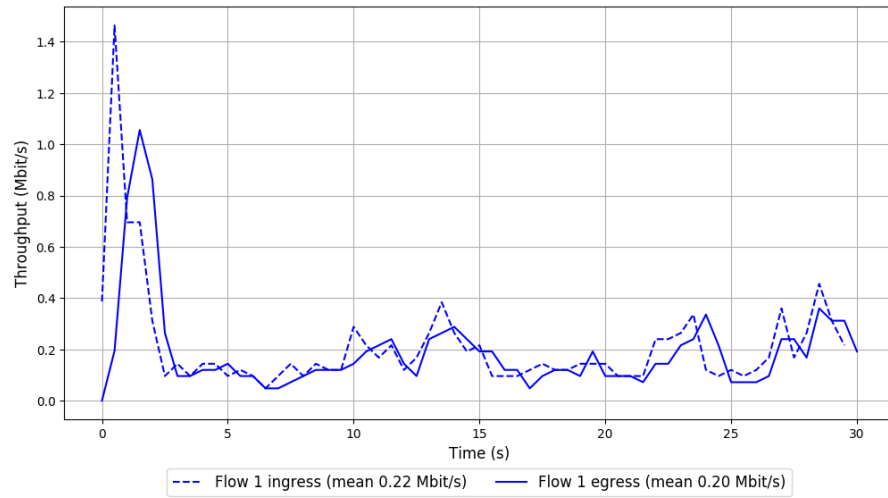


Run 8: Statistics of TCP Vegas

Start at: 2018-05-24 23:17:23
End at: 2018-05-24 23:17:53
Local clock offset: 5.641 ms
Remote clock offset: -0.749 ms

Below is generated by plot.py at 2018-05-25 00:08:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 268.071 ms
Loss rate: 8.78%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 268.071 ms
Loss rate: 8.78%

Run 8: Report of TCP Vegas — Data Link

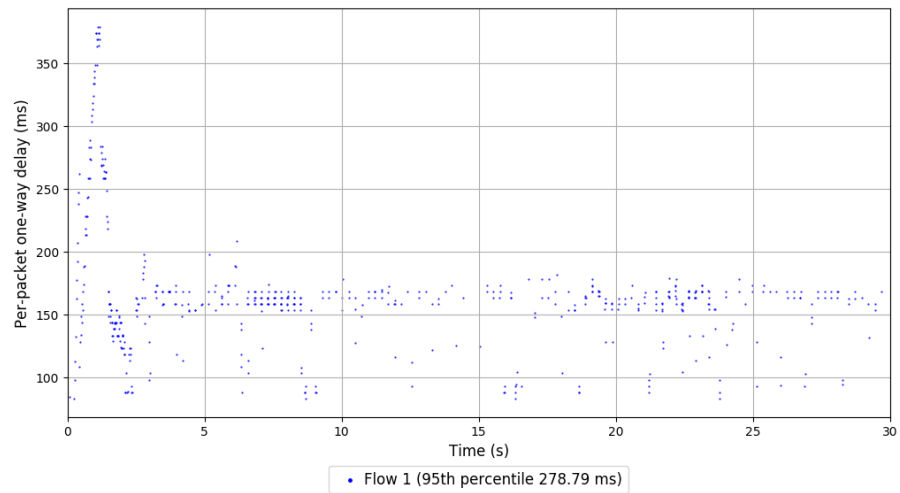
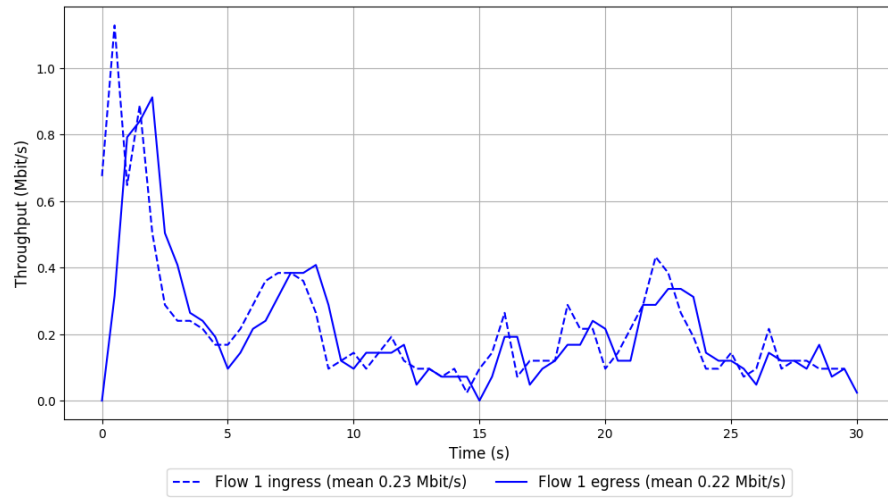


Run 9: Statistics of TCP Vegas

Start at: 2018-05-24 23:37:28
End at: 2018-05-24 23:37:58
Local clock offset: 2.887 ms
Remote clock offset: -0.435 ms

Below is generated by plot.py at 2018-05-25 00:08:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 278.786 ms
Loss rate: 6.82%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 278.786 ms
Loss rate: 6.82%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-05-24 23:57:33

End at: 2018-05-24 23:58:03

Local clock offset: 1.39 ms

Remote clock offset: -0.5 ms

Below is generated by plot.py at 2018-05-25 00:08:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 175.364 ms

Loss rate: 4.78%

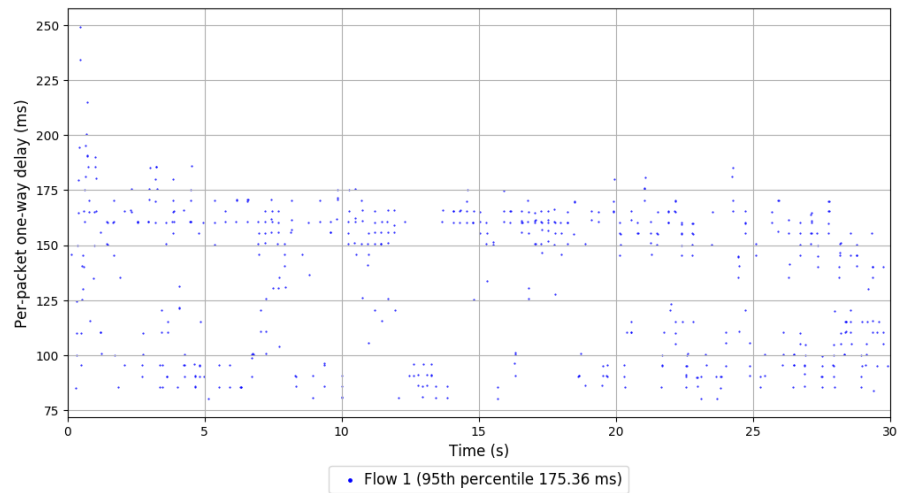
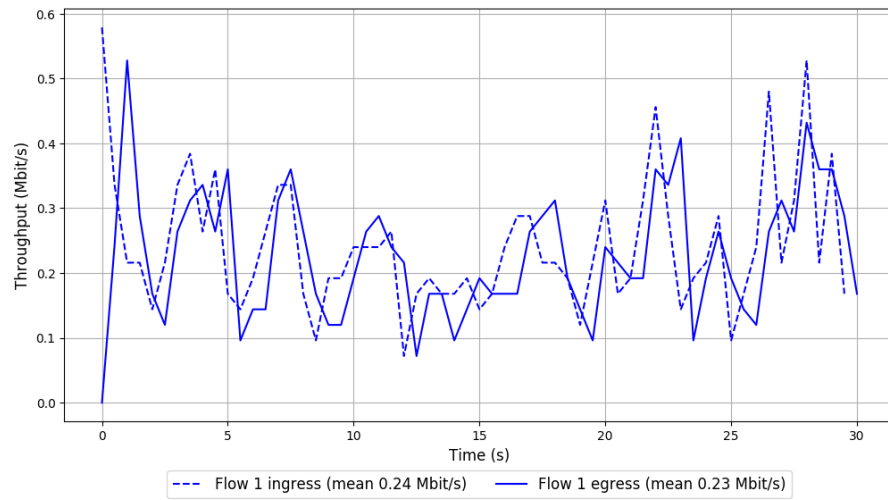
-- Flow 1:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 175.364 ms

Loss rate: 4.78%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-05-24 20:58:03

End at: 2018-05-24 20:58:33

Local clock offset: -3.696 ms

Remote clock offset: 0.095 ms

Below is generated by plot.py at 2018-05-25 00:08:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 101.277 ms

Loss rate: 0.00%

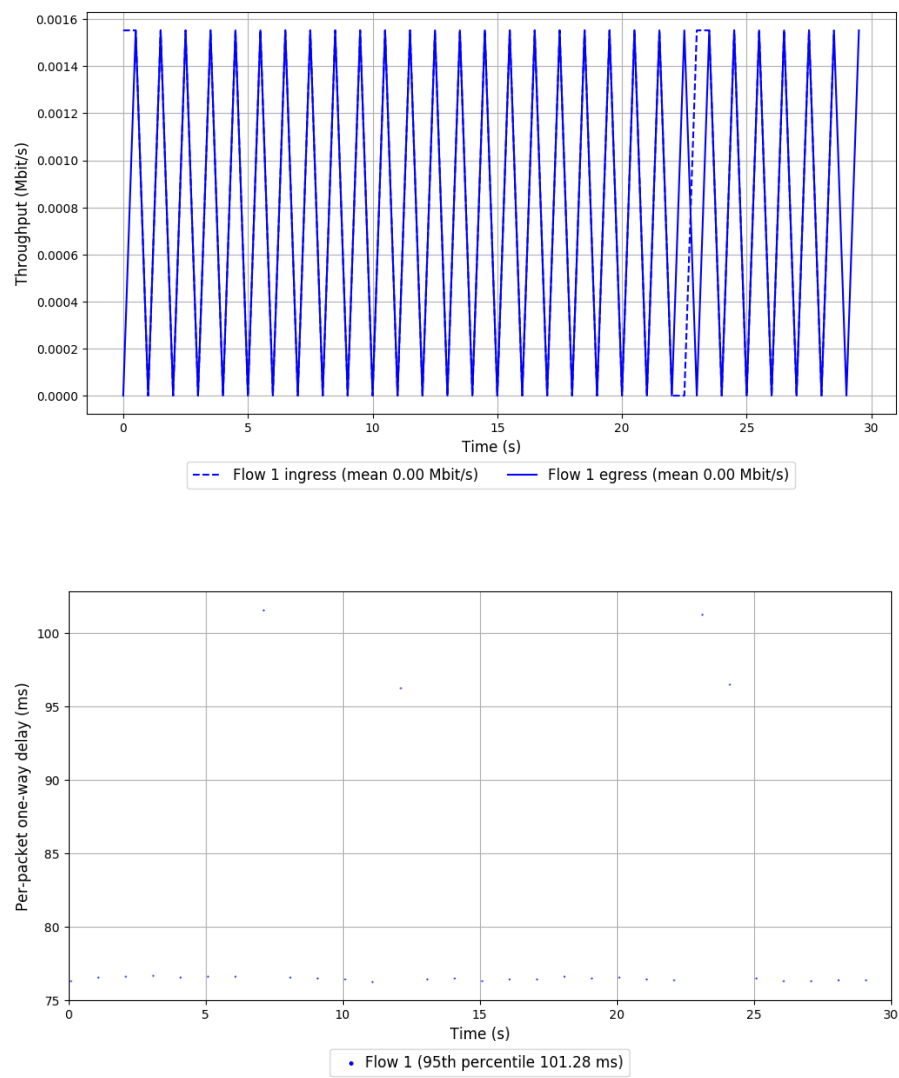
-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 101.277 ms

Loss rate: 0.00%

Run 1: Report of Verus — Data Link

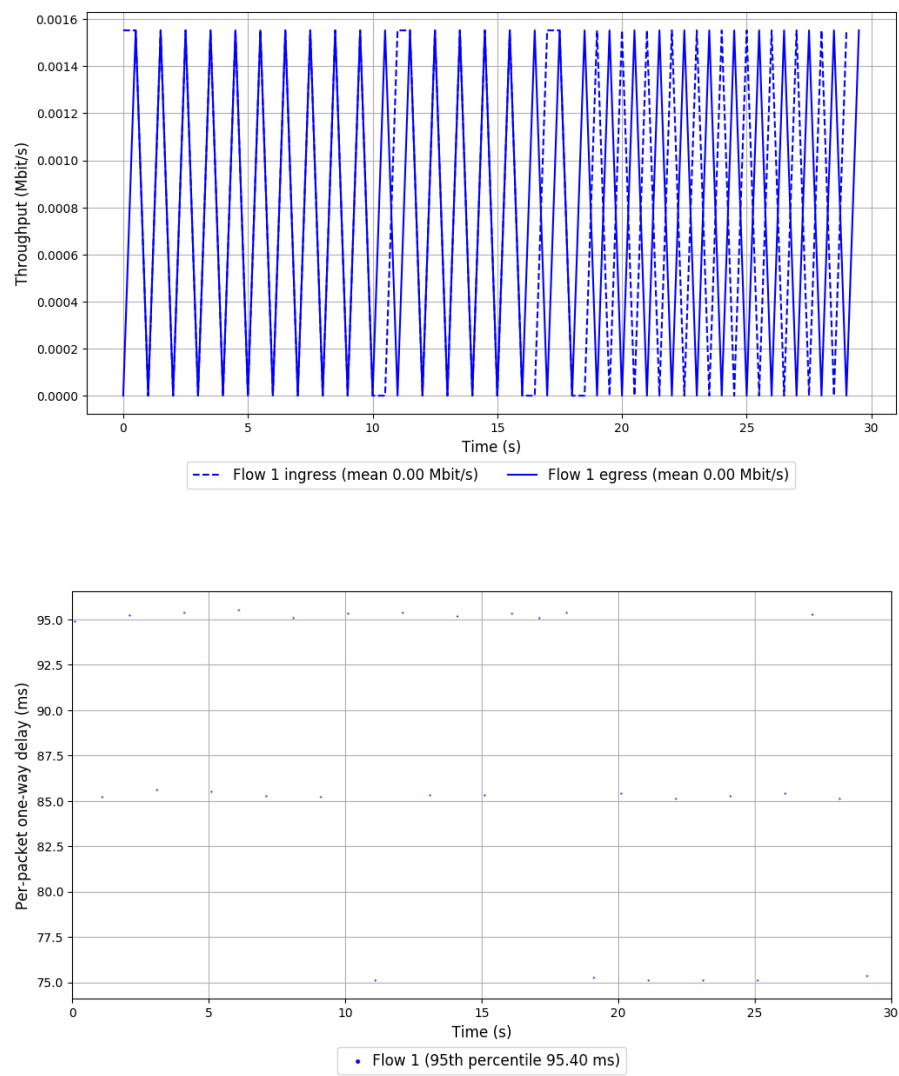


Run 2: Statistics of Verus

Start at: 2018-05-24 21:18:08
End at: 2018-05-24 21:18:38
Local clock offset: -4.712 ms
Remote clock offset: -0.552 ms

Below is generated by plot.py at 2018-05-25 00:08:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 95.402 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 95.402 ms
Loss rate: 0.00%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-05-24 21:38:13

End at: 2018-05-24 21:38:43

Local clock offset: -6.11 ms

Remote clock offset: -0.49 ms

Below is generated by plot.py at 2018-05-25 00:08:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 109.115 ms

Loss rate: 0.00%

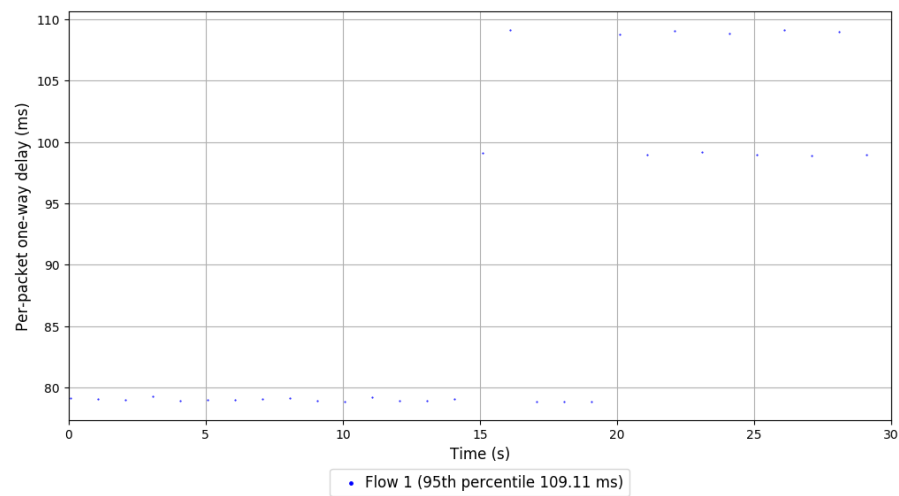
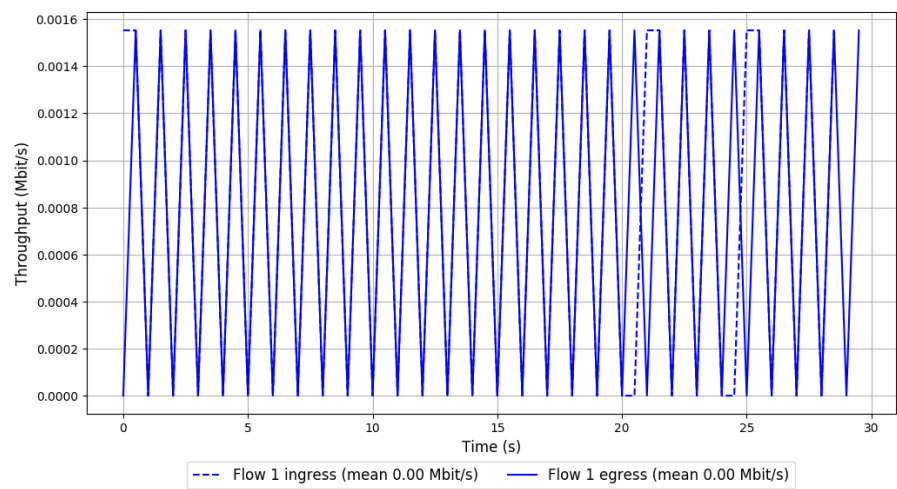
-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 109.115 ms

Loss rate: 0.00%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-05-24 21:58:18

End at: 2018-05-24 21:58:48

Local clock offset: -6.896 ms

Remote clock offset: 0.074 ms

Below is generated by plot.py at 2018-05-25 00:08:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 93.750 ms

Loss rate: 0.00%

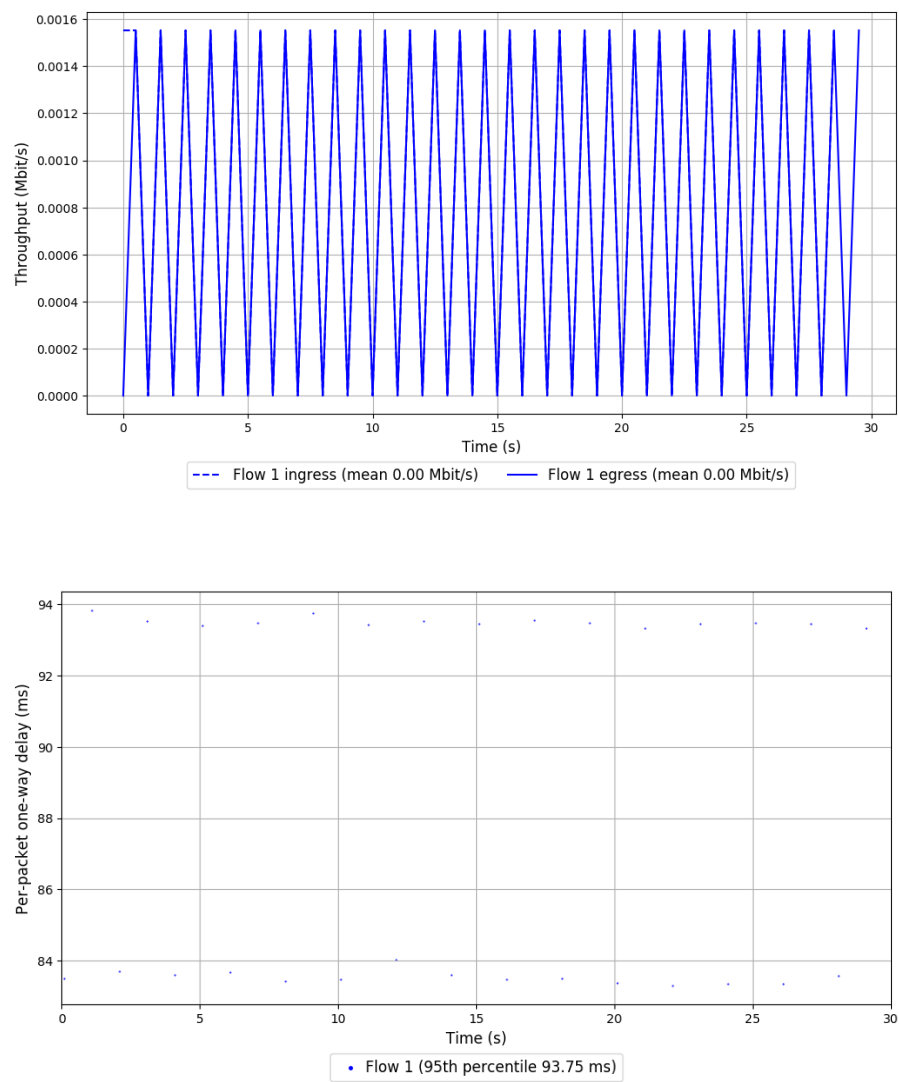
-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 93.750 ms

Loss rate: 0.00%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-05-24 22:18:23

End at: 2018-05-24 22:18:53

Local clock offset: -5.773 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-05-25 00:08:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 137.979 ms

Loss rate: 0.00%

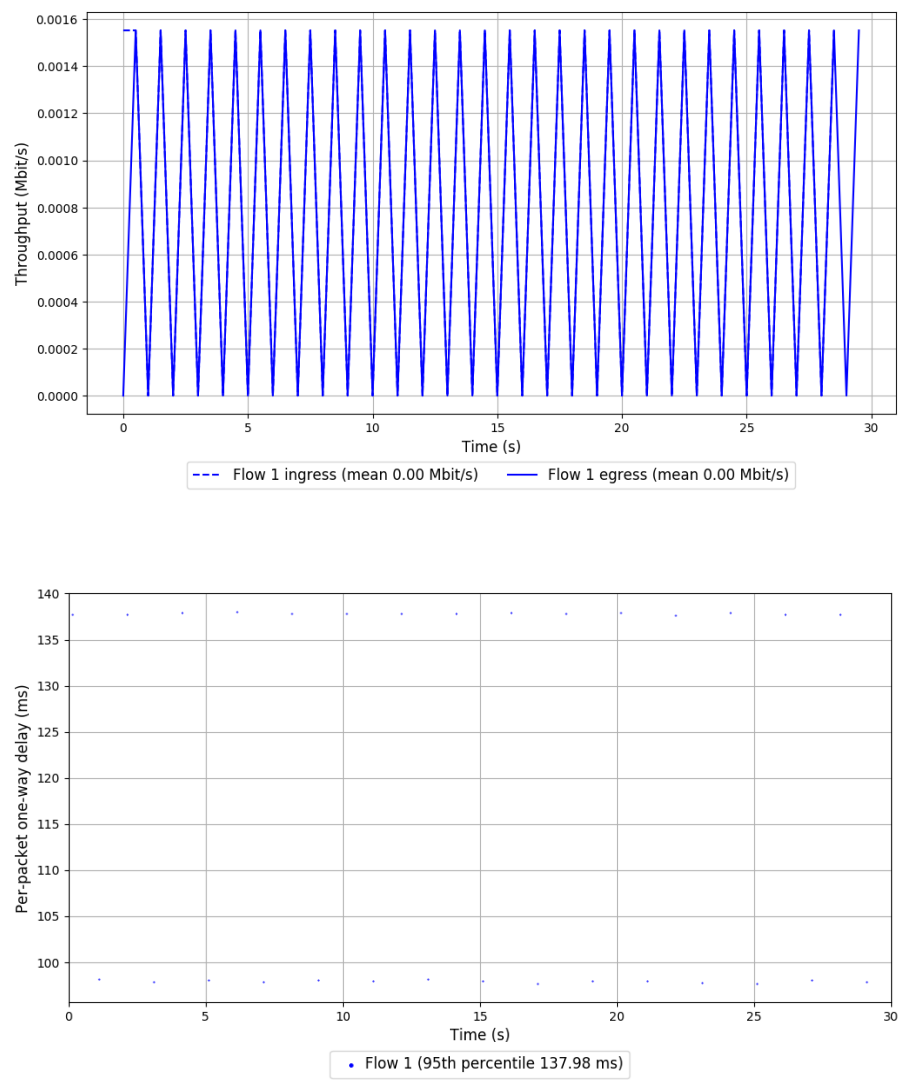
-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 137.979 ms

Loss rate: 0.00%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-05-24 22:38:28

End at: 2018-05-24 22:38:58

Local clock offset: -4.958 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-05-25 00:08:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 90.267 ms

Loss rate: 0.00%

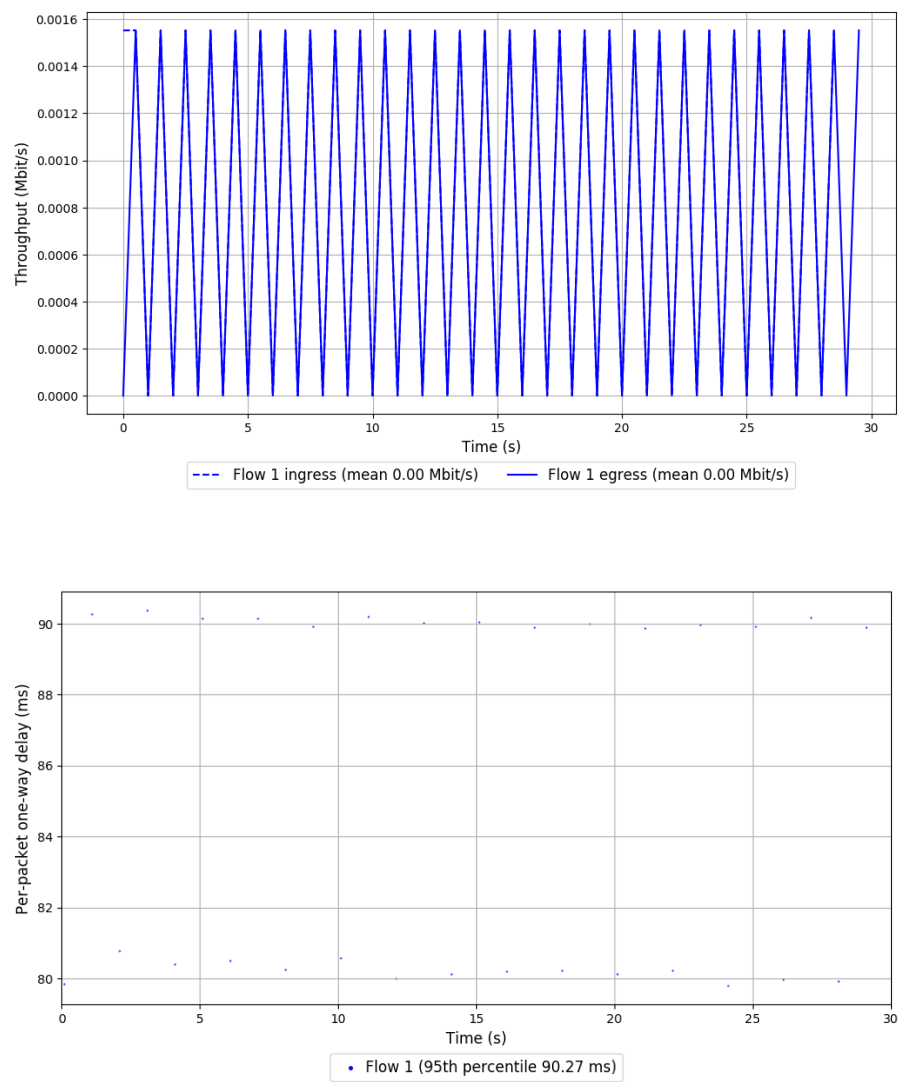
-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 90.267 ms

Loss rate: 0.00%

Run 6: Report of Verus — Data Link

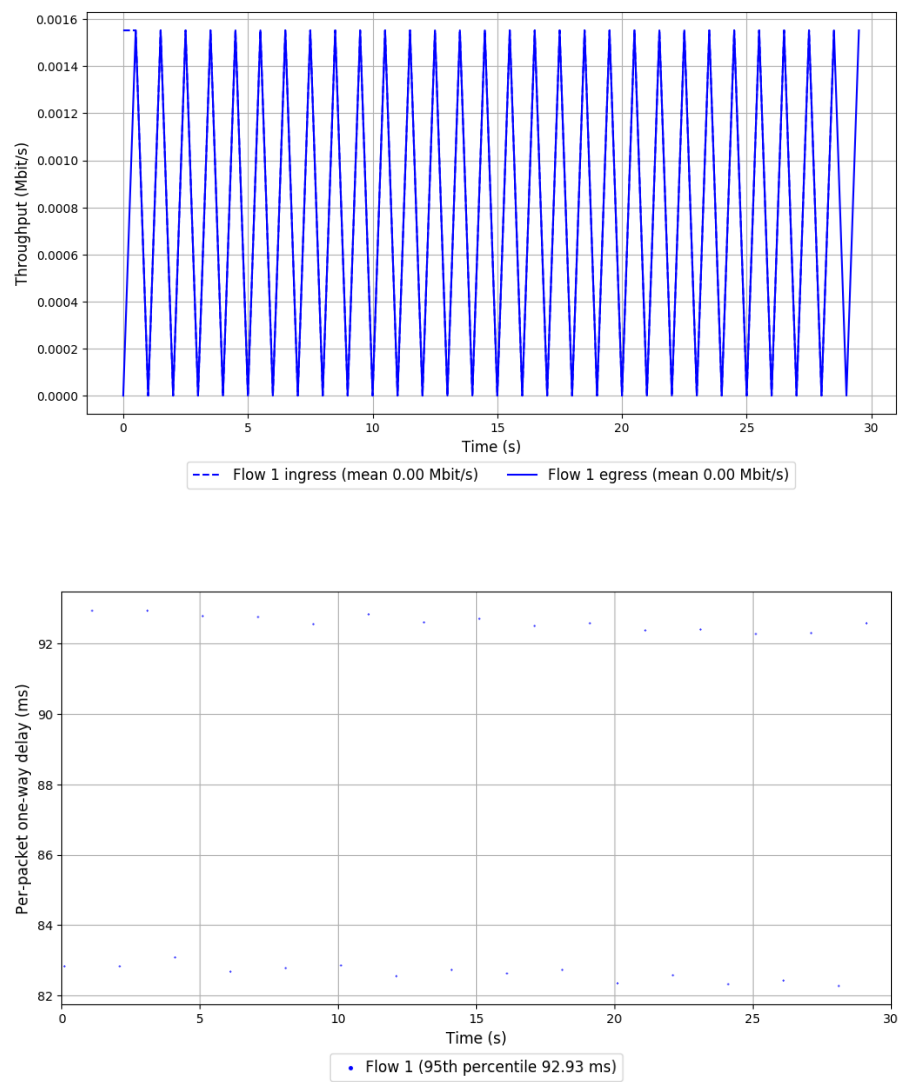


Run 7: Statistics of Verus

Start at: 2018-05-24 22:58:33
End at: 2018-05-24 22:59:03
Local clock offset: -2.191 ms
Remote clock offset: -0.549 ms

Below is generated by plot.py at 2018-05-25 00:08:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 92.931 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 92.931 ms
Loss rate: 0.00%

Run 7: Report of Verus — Data Link

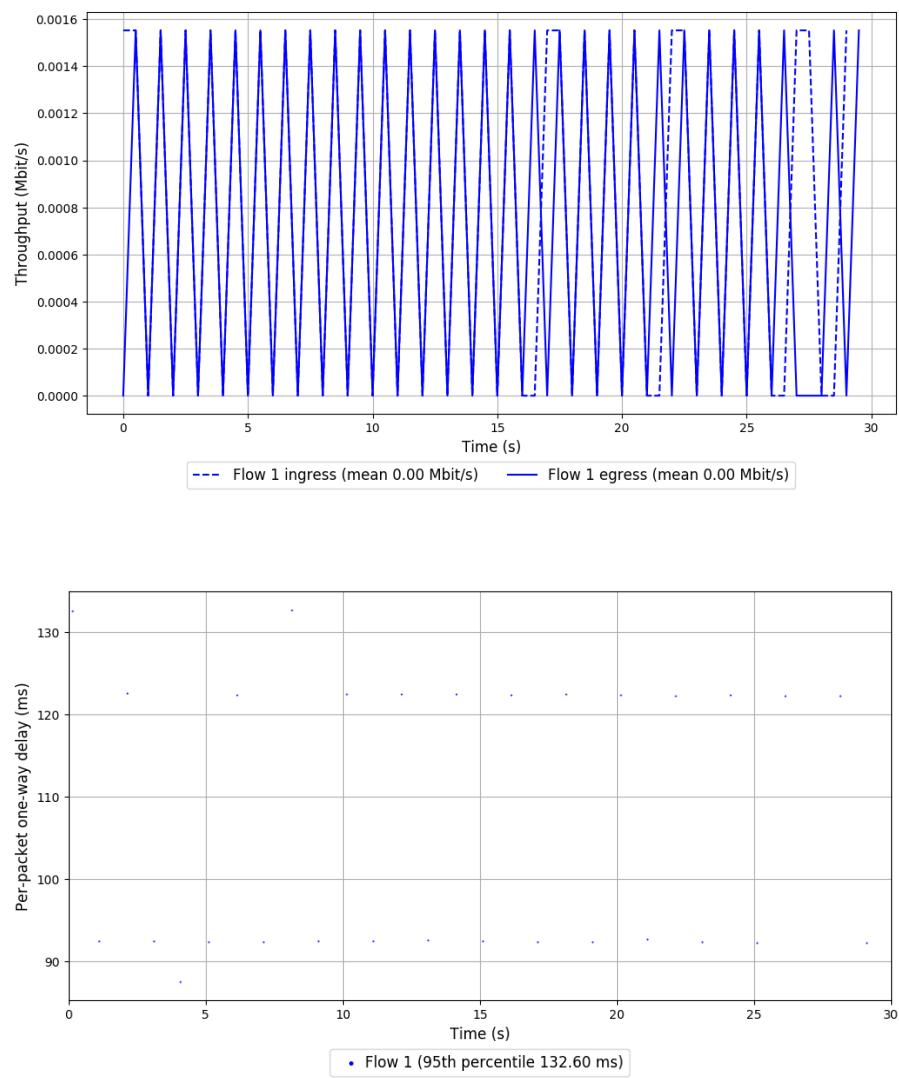


Run 8: Statistics of Verus

Start at: 2018-05-24 23:18:38
End at: 2018-05-24 23:19:08
Local clock offset: 5.855 ms
Remote clock offset: -0.714 ms

Below is generated by plot.py at 2018-05-25 00:08:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 132.601 ms
Loss rate: 3.33%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 132.601 ms
Loss rate: 3.33%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-05-24 23:38:43

End at: 2018-05-24 23:39:13

Local clock offset: 2.741 ms

Remote clock offset: -0.46 ms

Below is generated by plot.py at 2018-05-25 00:08:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 96.653 ms

Loss rate: 0.00%

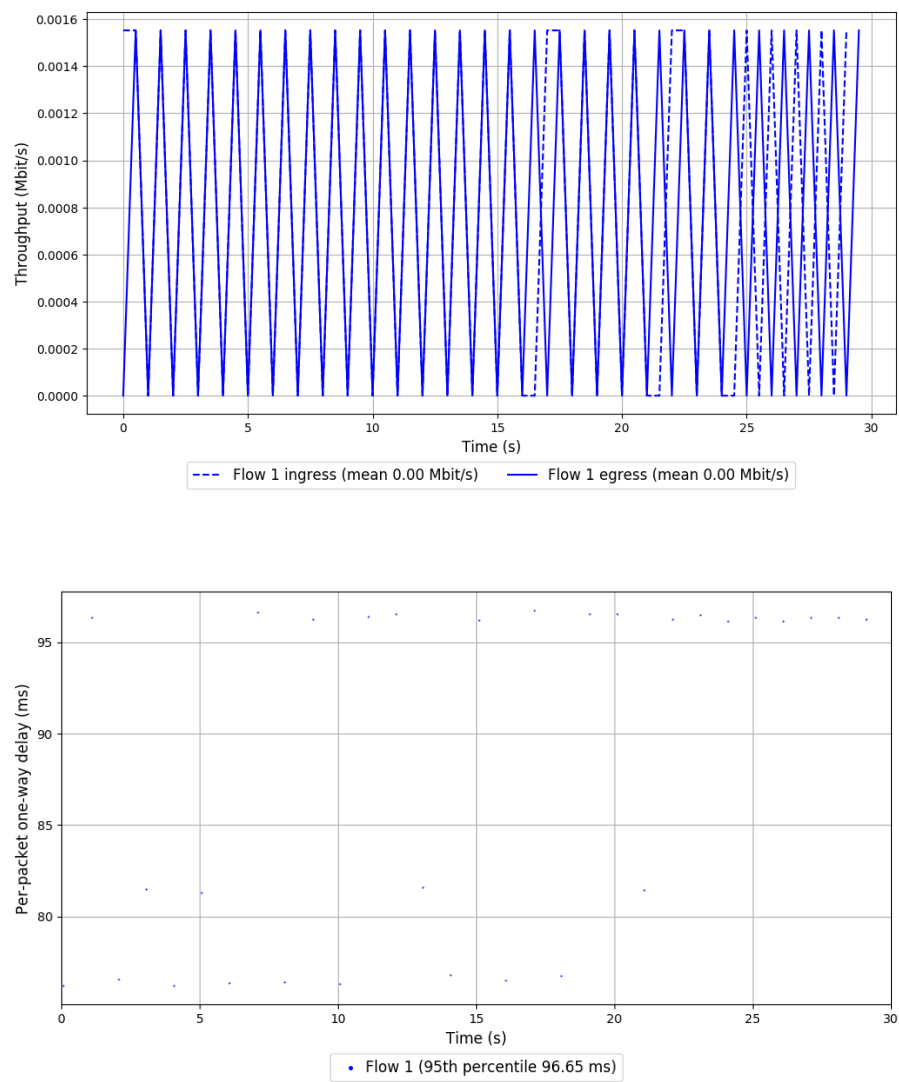
-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 96.653 ms

Loss rate: 0.00%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-05-24 23:58:48

End at: 2018-05-24 23:59:18

Local clock offset: 0.962 ms

Remote clock offset: -0.53 ms

Below is generated by plot.py at 2018-05-25 00:08:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 135.916 ms

Loss rate: 0.00%

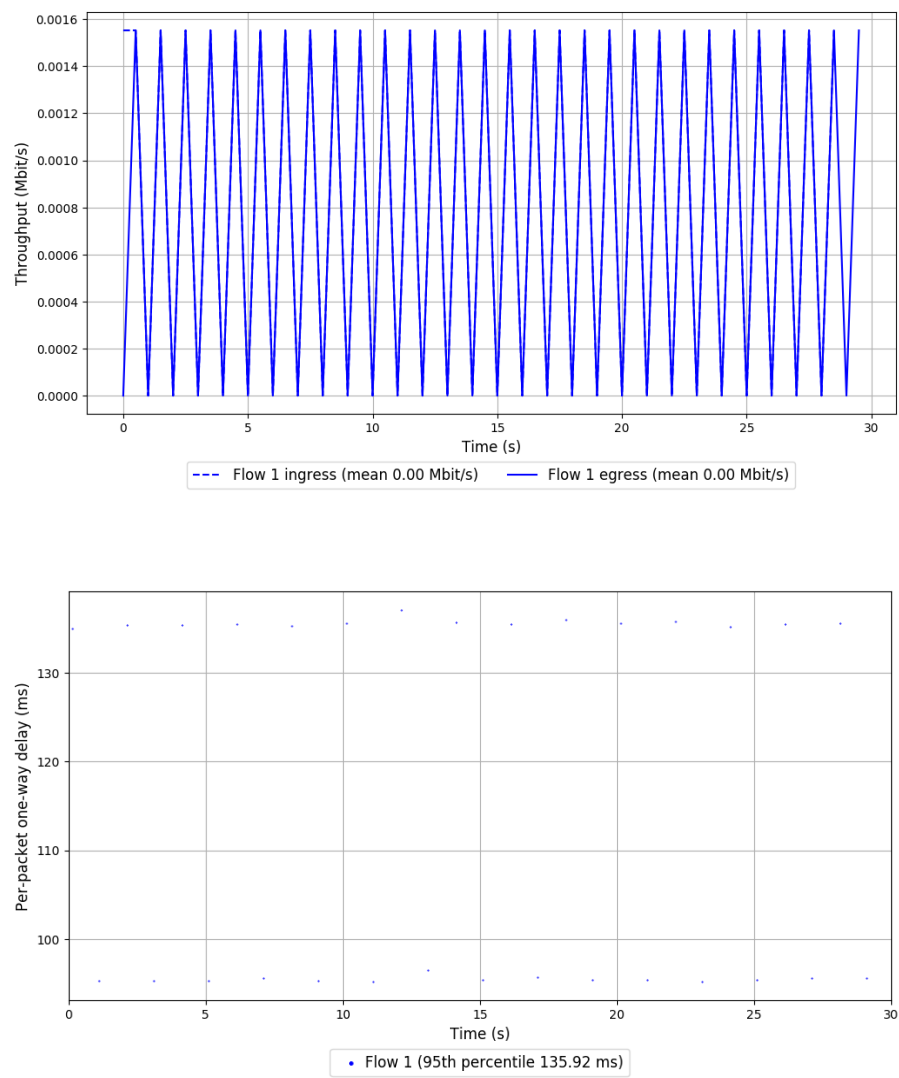
-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 135.916 ms

Loss rate: 0.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-05-24 21:05:34

End at: 2018-05-24 21:06:04

Local clock offset: -4.208 ms

Remote clock offset: -0.232 ms

Below is generated by plot.py at 2018-05-25 00:08:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.68 Mbit/s

95th percentile per-packet one-way delay: 363.498 ms

Loss rate: 7.78%

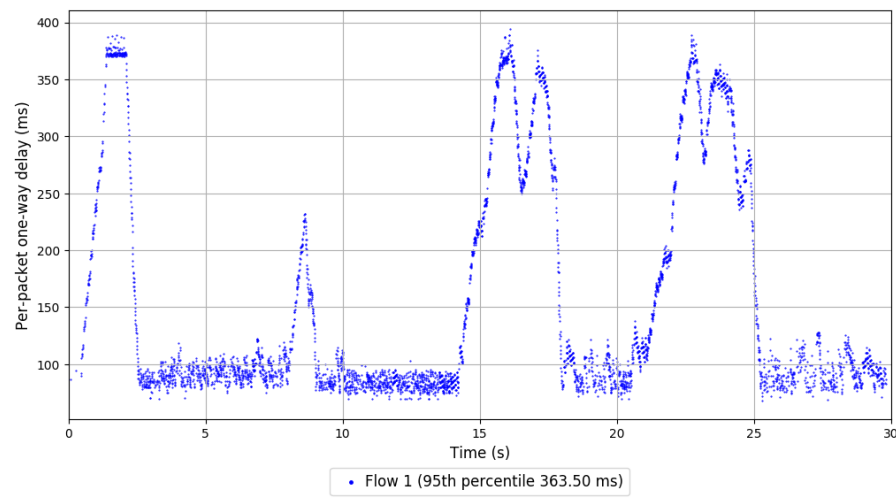
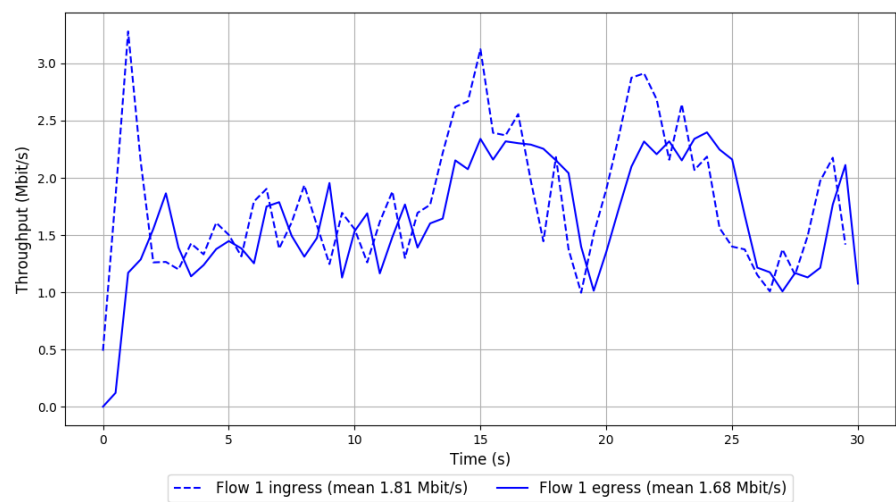
-- Flow 1:

Average throughput: 1.68 Mbit/s

95th percentile per-packet one-way delay: 363.498 ms

Loss rate: 7.78%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-05-24 21:25:39

End at: 2018-05-24 21:26:09

Local clock offset: -5.217 ms

Remote clock offset: -0.72 ms

Below is generated by plot.py at 2018-05-25 00:08:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.39 Mbit/s

95th percentile per-packet one-way delay: 274.211 ms

Loss rate: 8.14%

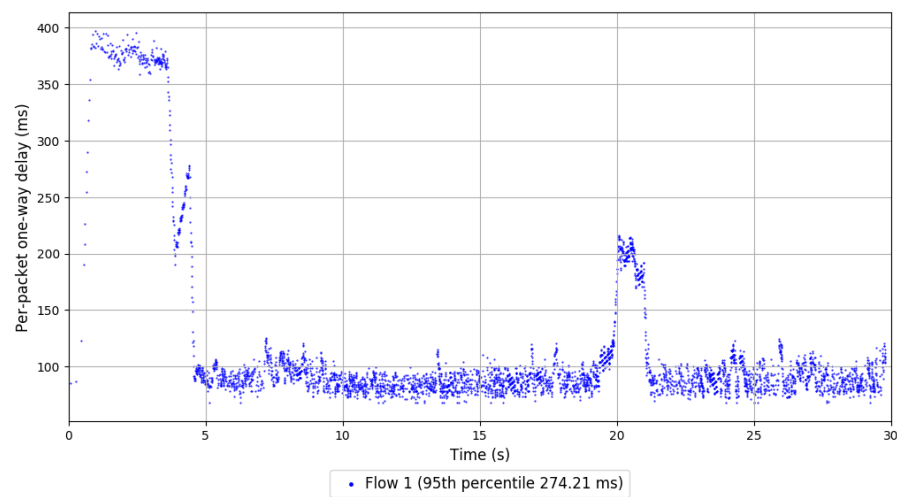
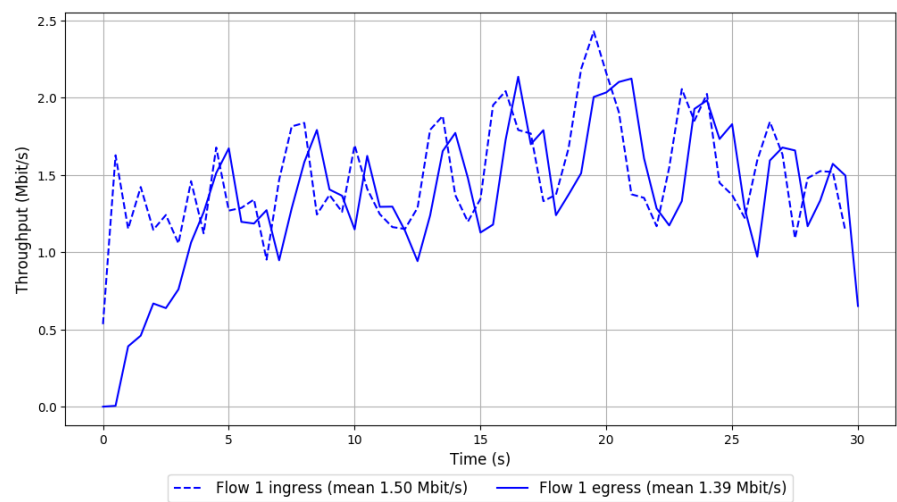
-- Flow 1:

Average throughput: 1.39 Mbit/s

95th percentile per-packet one-way delay: 274.211 ms

Loss rate: 8.14%

Run 2: Report of PCC-Vivace — Data Link

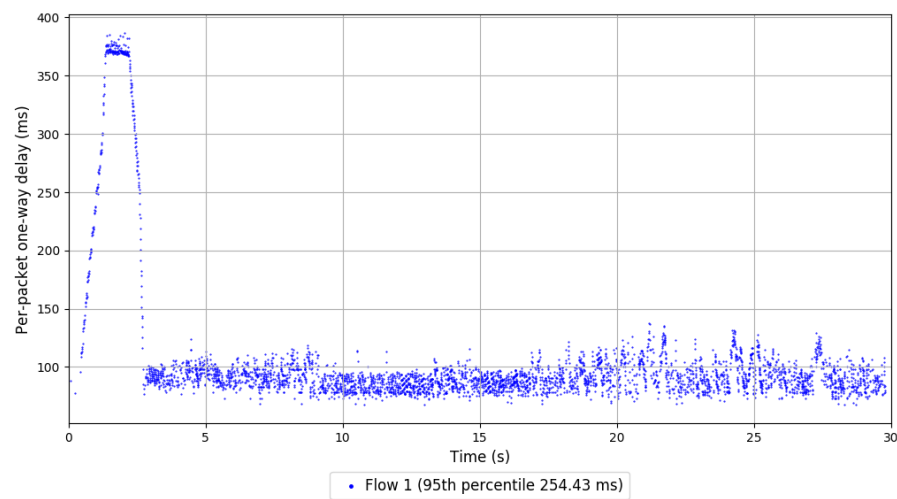
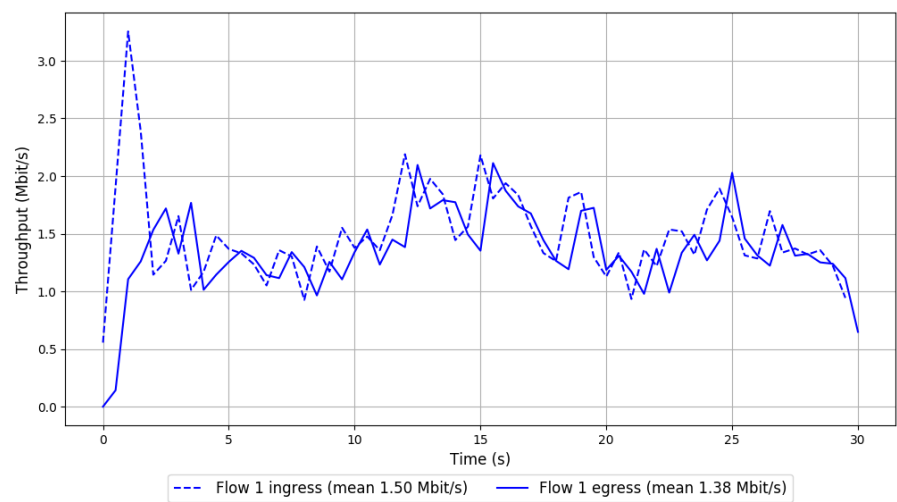


Run 3: Statistics of PCC-Vivace

Start at: 2018-05-24 21:45:44
End at: 2018-05-24 21:46:14
Local clock offset: -6.618 ms
Remote clock offset: -0.193 ms

Below is generated by plot.py at 2018-05-25 00:08:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.38 Mbit/s
95th percentile per-packet one-way delay: 254.430 ms
Loss rate: 8.41%
-- Flow 1:
Average throughput: 1.38 Mbit/s
95th percentile per-packet one-way delay: 254.430 ms
Loss rate: 8.41%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-05-24 22:05:49

End at: 2018-05-24 22:06:19

Local clock offset: -6.126 ms

Remote clock offset: 0.107 ms

Below is generated by plot.py at 2018-05-25 00:08:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.41 Mbit/s

95th percentile per-packet one-way delay: 376.086 ms

Loss rate: 18.84%

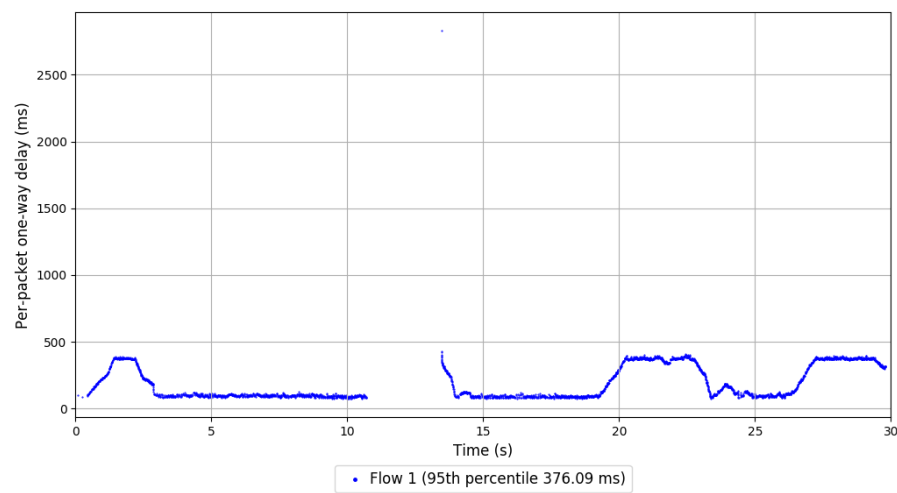
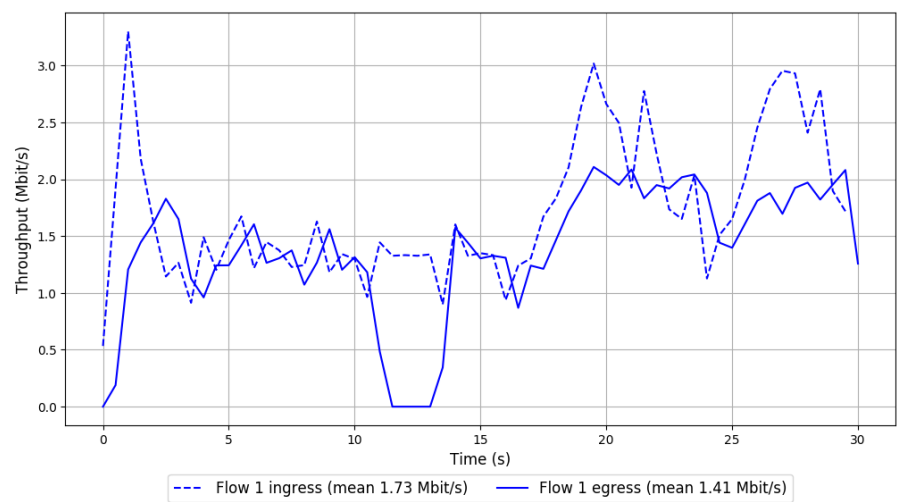
-- Flow 1:

Average throughput: 1.41 Mbit/s

95th percentile per-packet one-way delay: 376.086 ms

Loss rate: 18.84%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

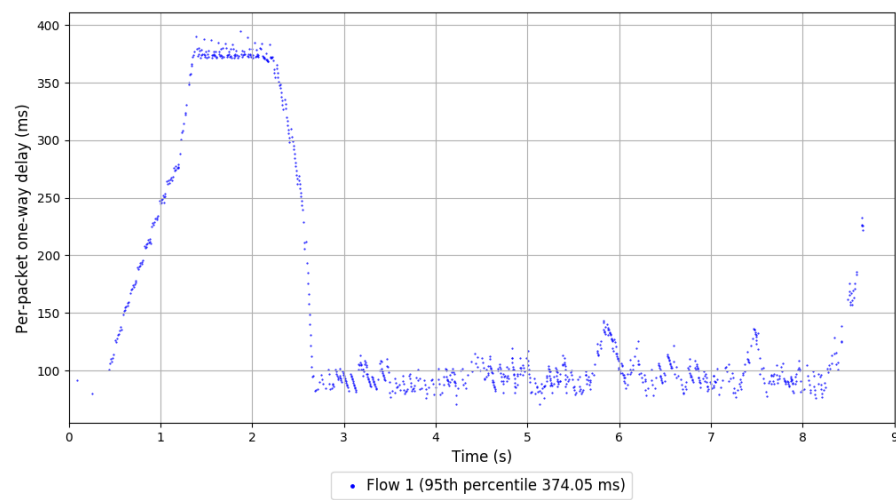
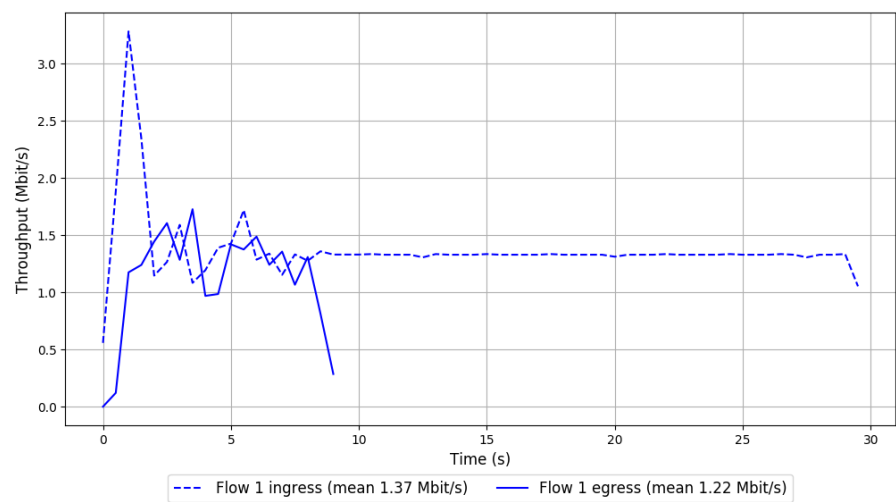
Start at: 2018-05-24 22:25:54

End at: 2018-05-24 22:26:24

Local clock offset: -5.989 ms

Remote clock offset: -0.027 ms

Run 5: Report of PCC-Vivace — Data Link

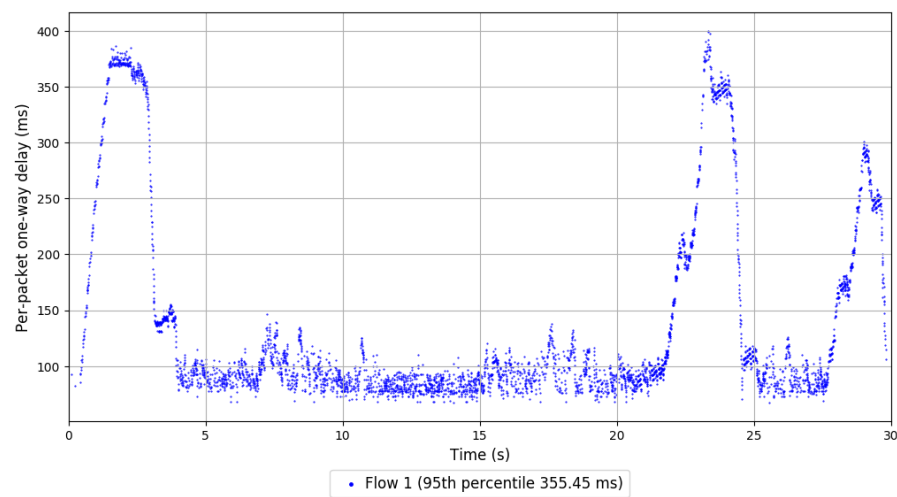
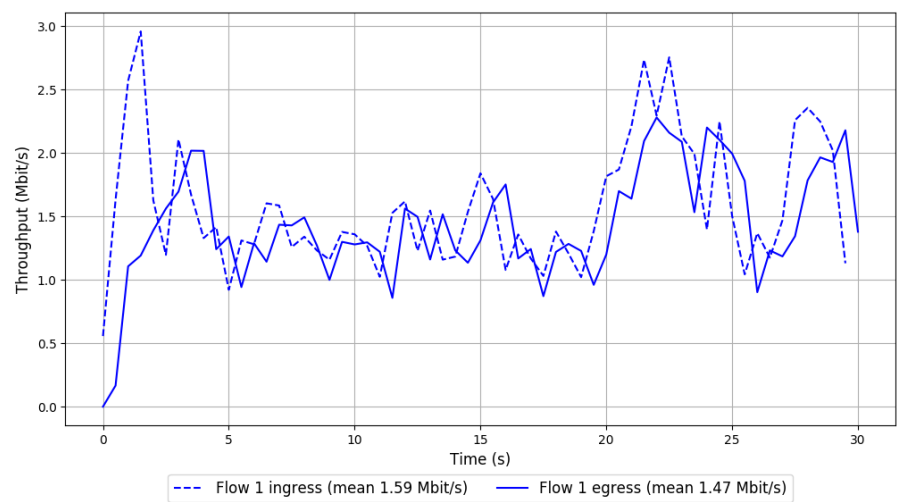


Run 6: Statistics of PCC-Vivace

Start at: 2018-05-24 22:45:59
End at: 2018-05-24 22:46:29
Local clock offset: -4.941 ms
Remote clock offset: -0.193 ms

Below is generated by plot.py at 2018-05-25 00:08:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 355.446 ms
Loss rate: 8.03%
-- Flow 1:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 355.446 ms
Loss rate: 8.03%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-05-24 23:06:04

End at: 2018-05-24 23:06:34

Local clock offset: 2.456 ms

Remote clock offset: -0.684 ms

Below is generated by plot.py at 2018-05-25 00:08:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.39 Mbit/s

95th percentile per-packet one-way delay: 366.305 ms

Loss rate: 9.99%

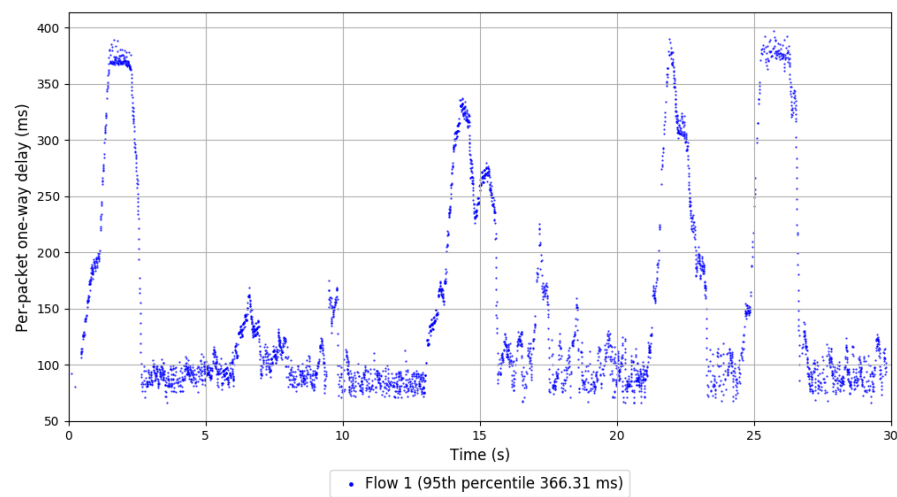
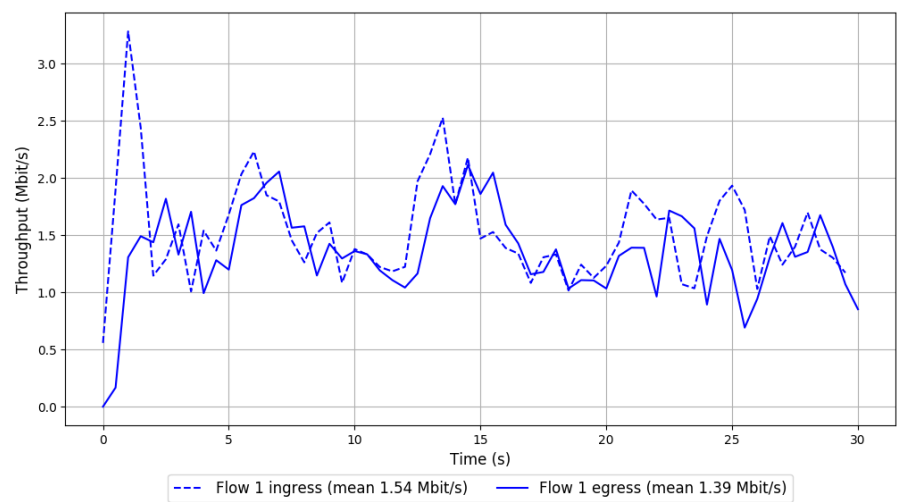
-- Flow 1:

Average throughput: 1.39 Mbit/s

95th percentile per-packet one-way delay: 366.305 ms

Loss rate: 9.99%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-05-24 23:26:09

End at: 2018-05-24 23:26:39

Local clock offset: 6.676 ms

Remote clock offset: -0.537 ms

Below is generated by plot.py at 2018-05-25 00:08:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.41 Mbit/s

95th percentile per-packet one-way delay: 371.598 ms

Loss rate: 10.65%

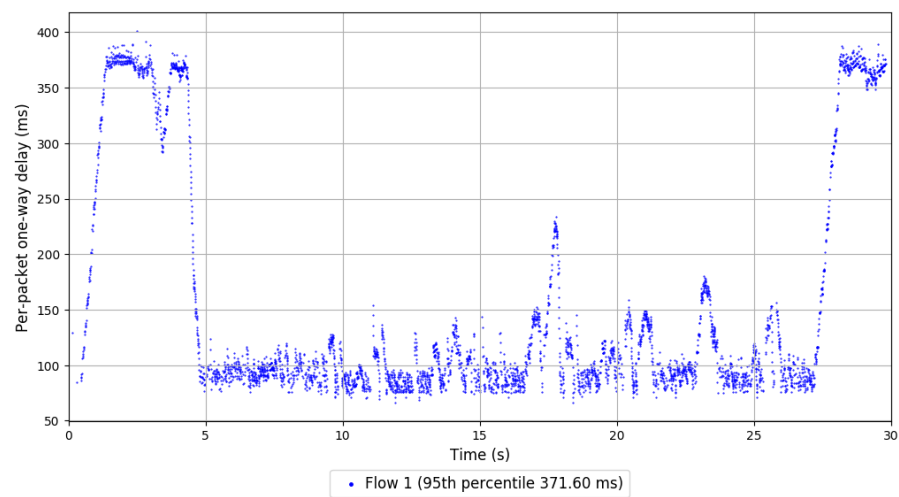
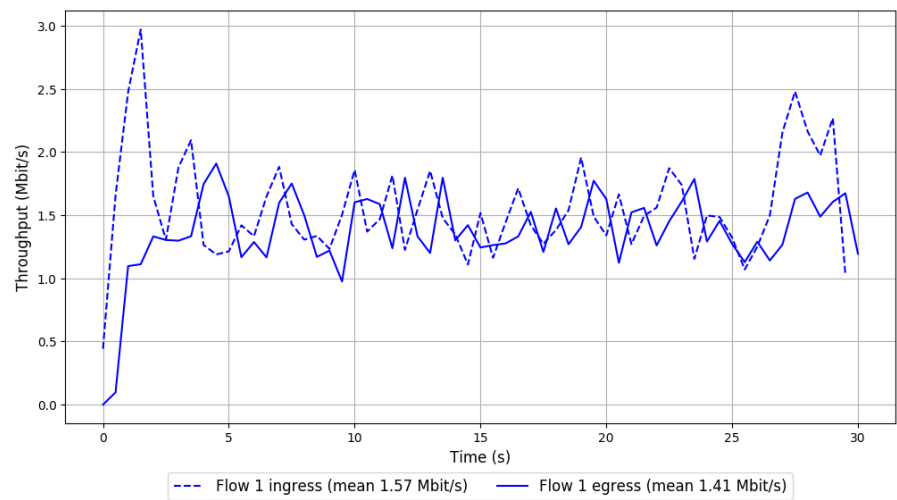
-- Flow 1:

Average throughput: 1.41 Mbit/s

95th percentile per-packet one-way delay: 371.598 ms

Loss rate: 10.65%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-05-24 23:46:14

End at: 2018-05-24 23:46:44

Local clock offset: 2.027 ms

Remote clock offset: -0.506 ms

Below is generated by plot.py at 2018-05-25 00:08:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 342.505 ms

Loss rate: 9.75%

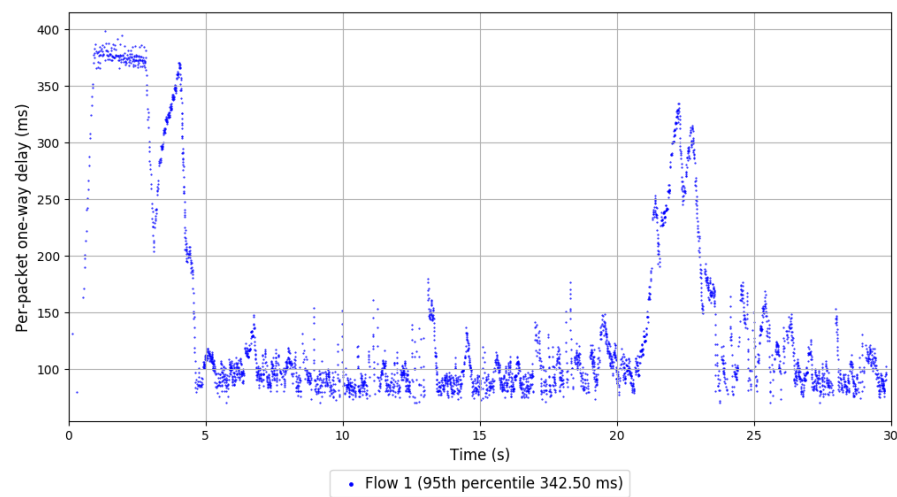
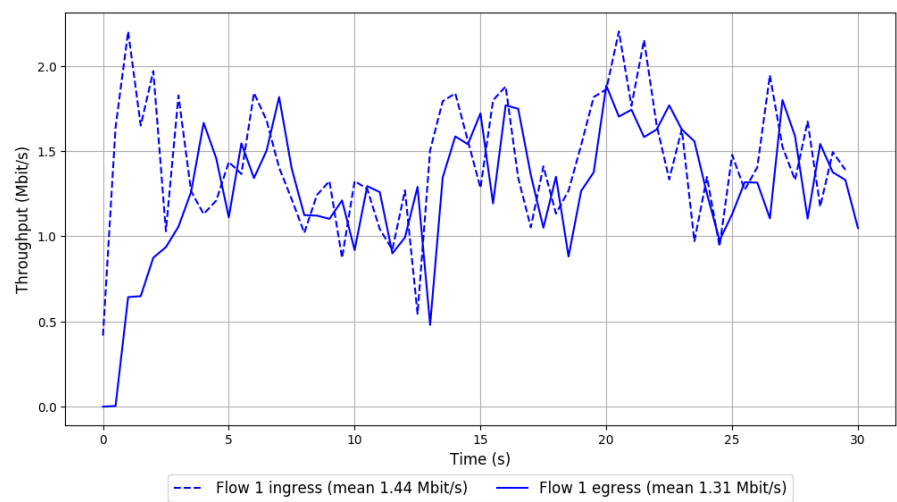
-- Flow 1:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 342.505 ms

Loss rate: 9.75%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-05-25 00:06:19

End at: 2018-05-25 00:06:49

Local clock offset: -0.035 ms

Remote clock offset: -0.59 ms

Below is generated by plot.py at 2018-05-25 00:08:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.25 Mbit/s

95th percentile per-packet one-way delay: 373.948 ms

Loss rate: 14.26%

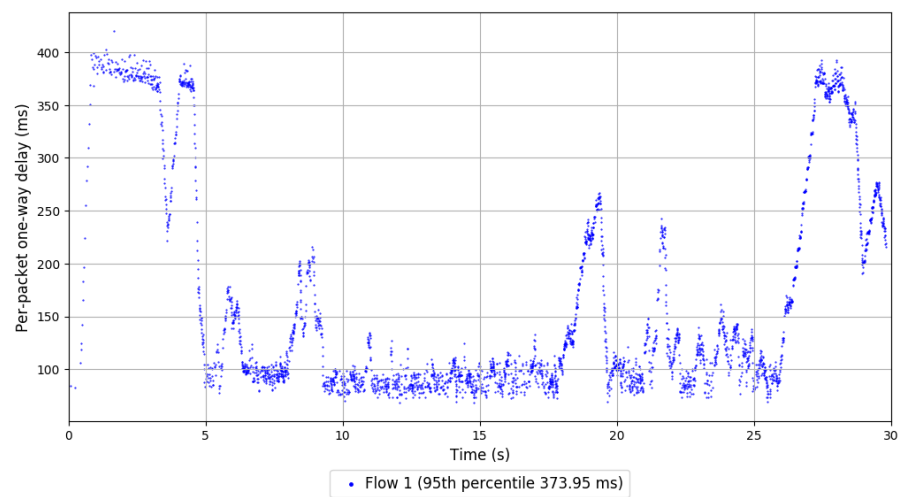
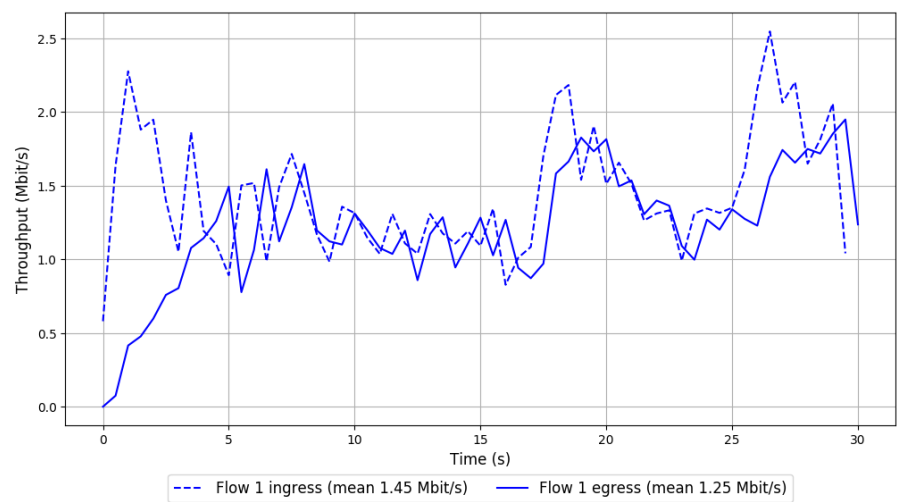
-- Flow 1:

Average throughput: 1.25 Mbit/s

95th percentile per-packet one-way delay: 373.948 ms

Loss rate: 14.26%

Run 10: Report of PCC-Vivace — Data Link

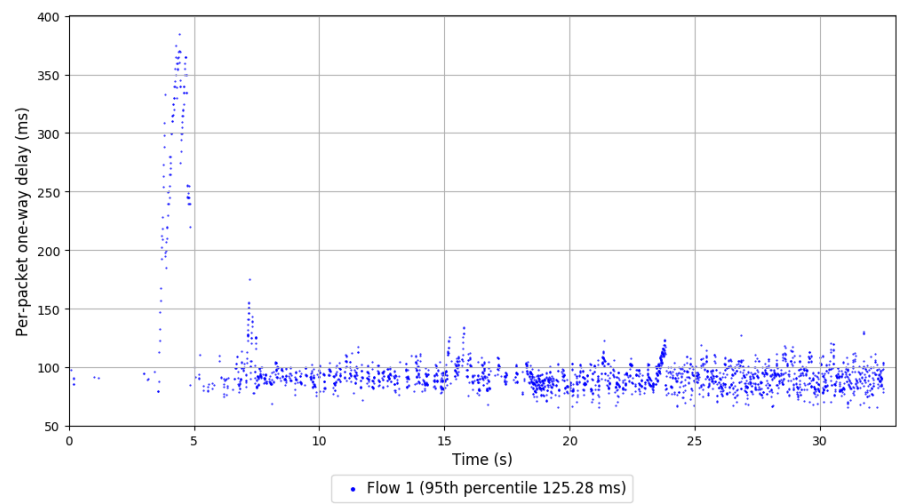
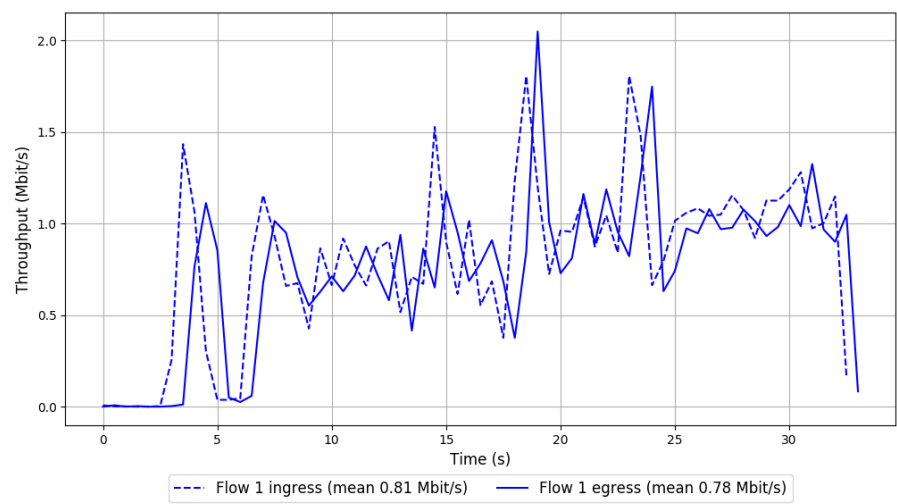


```
Run 1: Statistics of WebRTC media

Start at: 2018-05-24 21:04:19
End at: 2018-05-24 21:04:49
Local clock offset: -4.045 ms
Remote clock offset: -0.094 ms

# Below is generated by plot.py at 2018-05-25 00:08:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.78 Mbit/s
95th percentile per-packet one-way delay: 125.277 ms
Loss rate: 5.16%
-- Flow 1:
Average throughput: 0.78 Mbit/s
95th percentile per-packet one-way delay: 125.277 ms
Loss rate: 5.16%
```

Run 1: Report of WebRTC media — Data Link

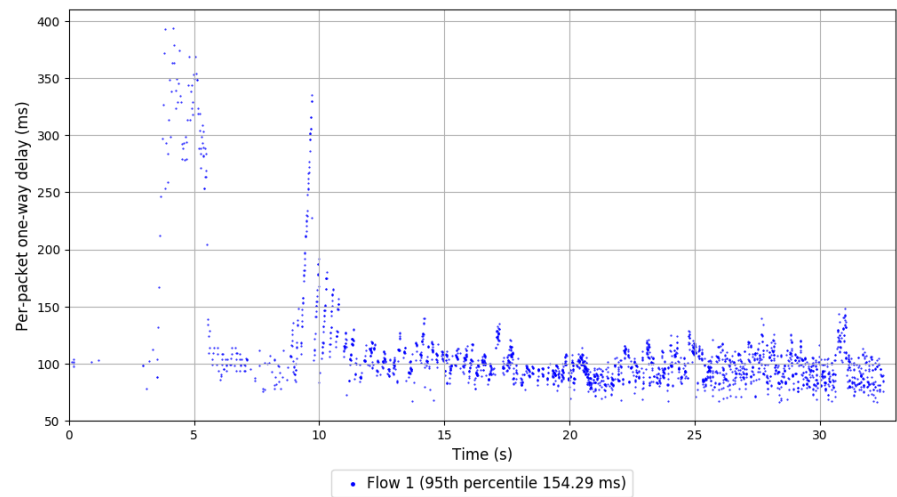
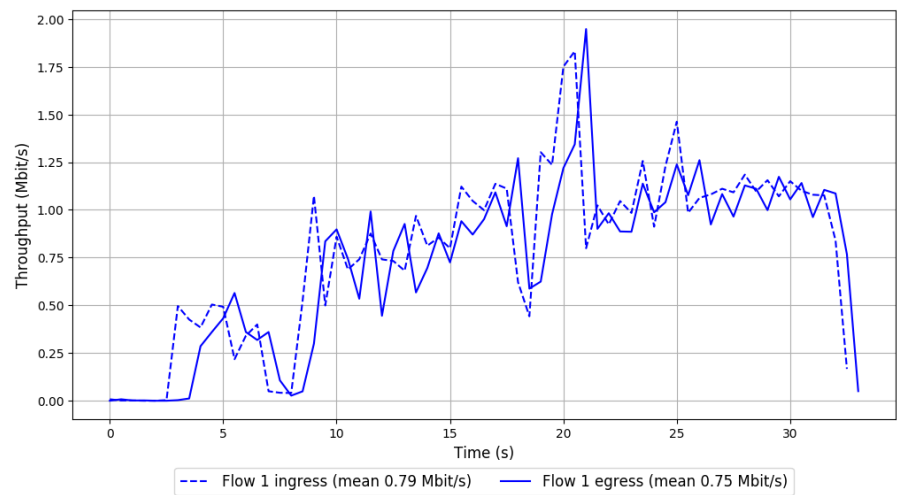


Run 2: Statistics of WebRTC media

Start at: 2018-05-24 21:24:24
End at: 2018-05-24 21:24:54
Local clock offset: -4.971 ms
Remote clock offset: -0.736 ms

Below is generated by plot.py at 2018-05-25 00:08:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.75 Mbit/s
95th percentile per-packet one-way delay: 154.292 ms
Loss rate: 5.50%
-- Flow 1:
Average throughput: 0.75 Mbit/s
95th percentile per-packet one-way delay: 154.292 ms
Loss rate: 5.50%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-05-24 21:44:29

End at: 2018-05-24 21:44:59

Local clock offset: -6.659 ms

Remote clock offset: -0.22 ms

Below is generated by plot.py at 2018-05-25 00:08:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.77 Mbit/s

95th percentile per-packet one-way delay: 209.947 ms

Loss rate: 6.01%

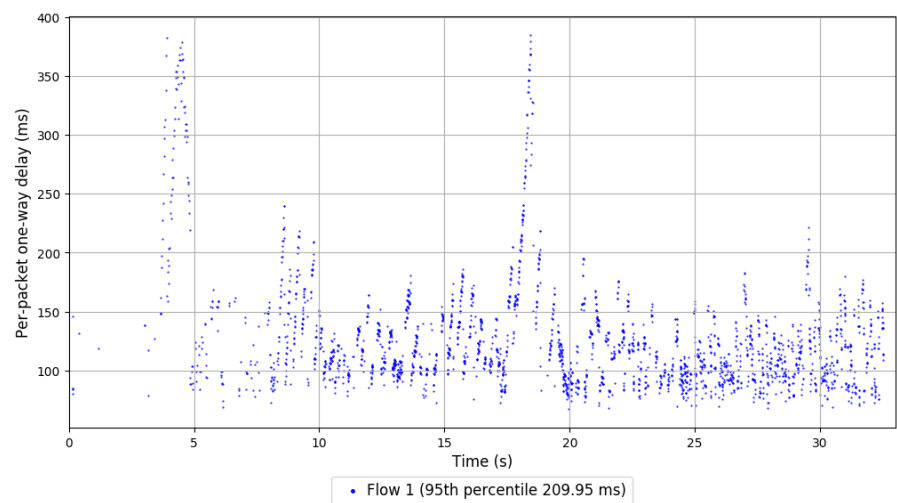
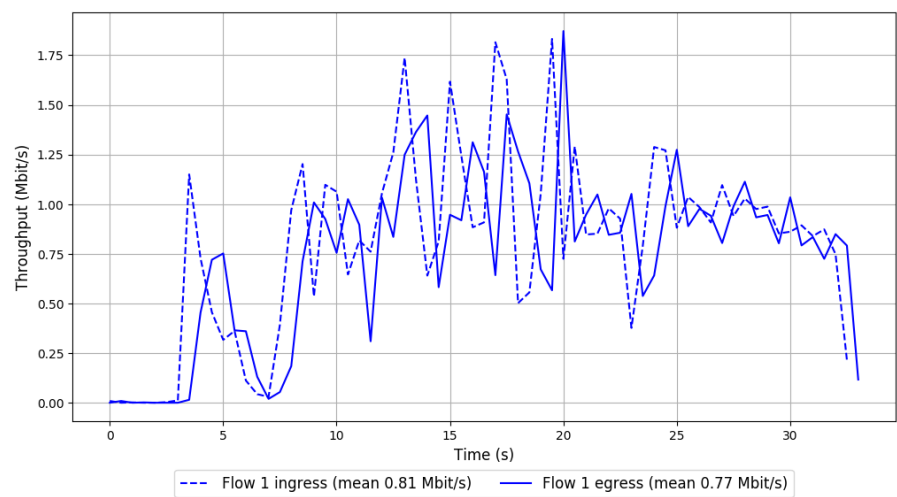
-- Flow 1:

Average throughput: 0.77 Mbit/s

95th percentile per-packet one-way delay: 209.947 ms

Loss rate: 6.01%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-05-24 22:04:34

End at: 2018-05-24 22:05:04

Local clock offset: -6.034 ms

Remote clock offset: 0.084 ms

Below is generated by plot.py at 2018-05-25 00:08:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 222.227 ms

Loss rate: 6.13%

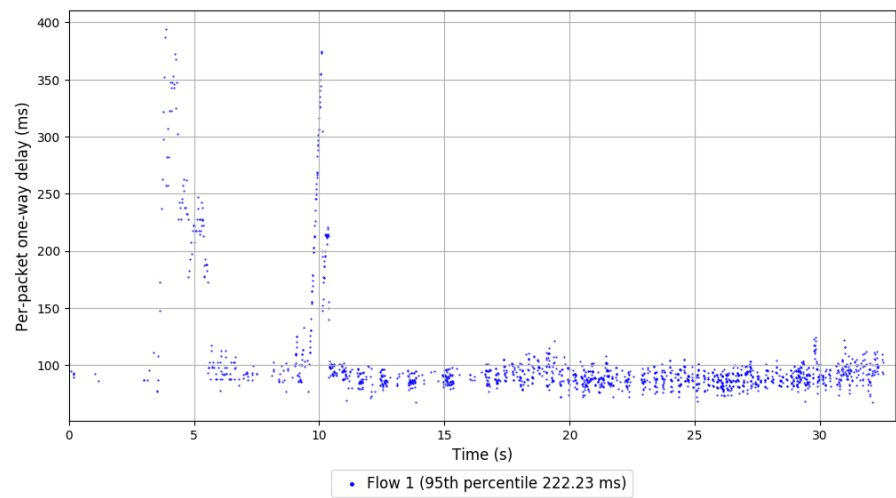
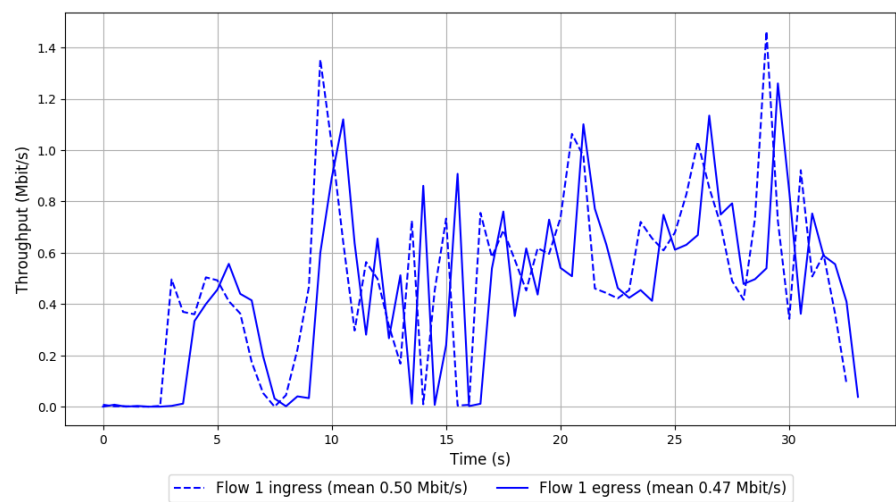
-- Flow 1:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 222.227 ms

Loss rate: 6.13%

Run 4: Report of WebRTC media — Data Link

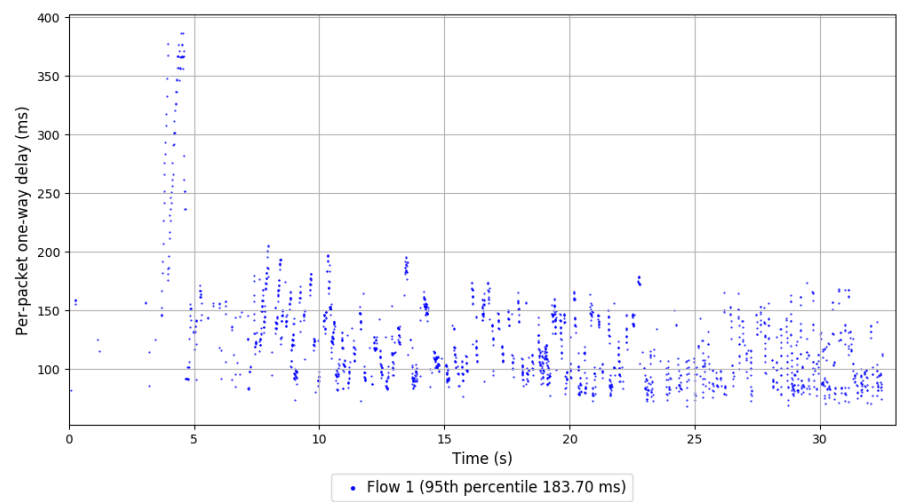
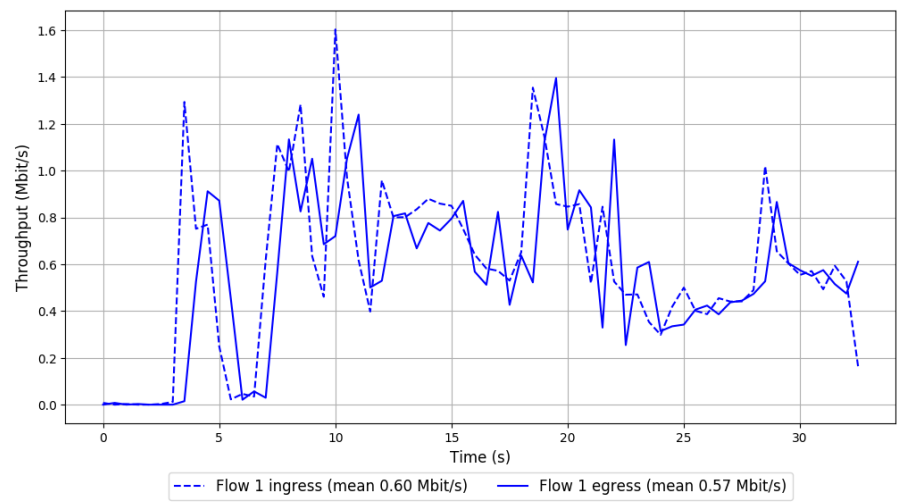


Run 5: Statistics of WebRTC media

Start at: 2018-05-24 22:24:39
End at: 2018-05-24 22:25:09
Local clock offset: -5.97 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-05-25 00:08:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 183.704 ms
Loss rate: 4.86%
-- Flow 1:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 183.704 ms
Loss rate: 4.86%

Run 5: Report of WebRTC media — Data Link

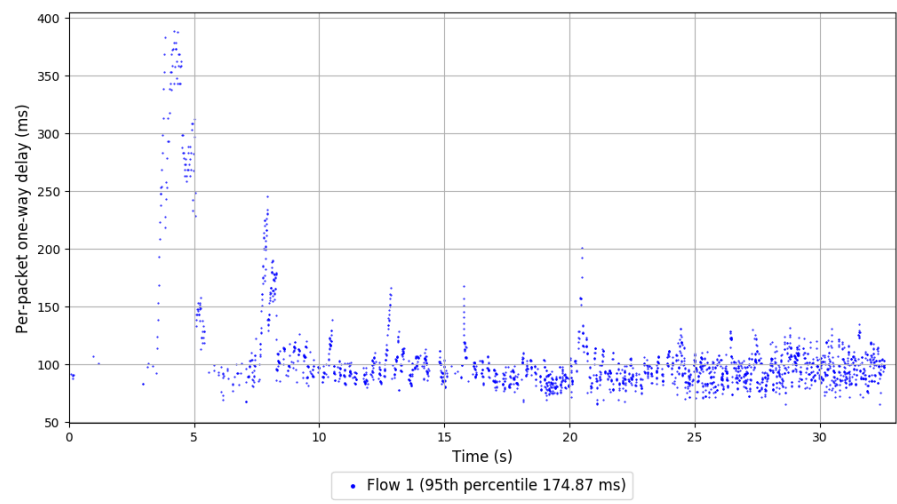
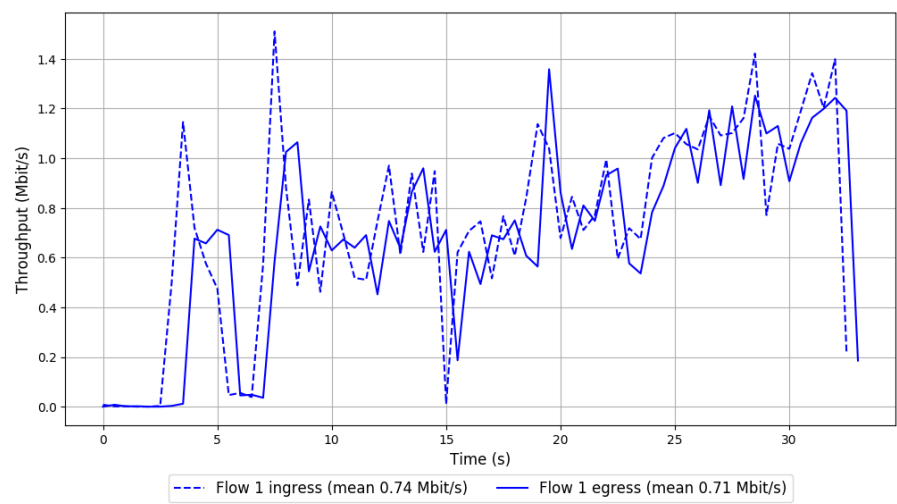


Run 6: Statistics of WebRTC media

Start at: 2018-05-24 22:44:44
End at: 2018-05-24 22:45:14
Local clock offset: -4.825 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2018-05-25 00:08:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: 174.870 ms
Loss rate: 4.84%
-- Flow 1:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: 174.870 ms
Loss rate: 4.84%

Run 6: Report of WebRTC media — Data Link

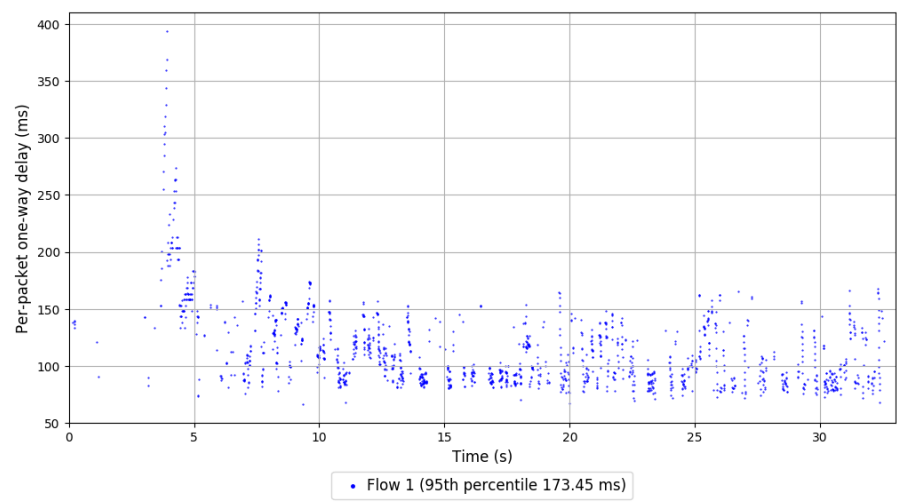
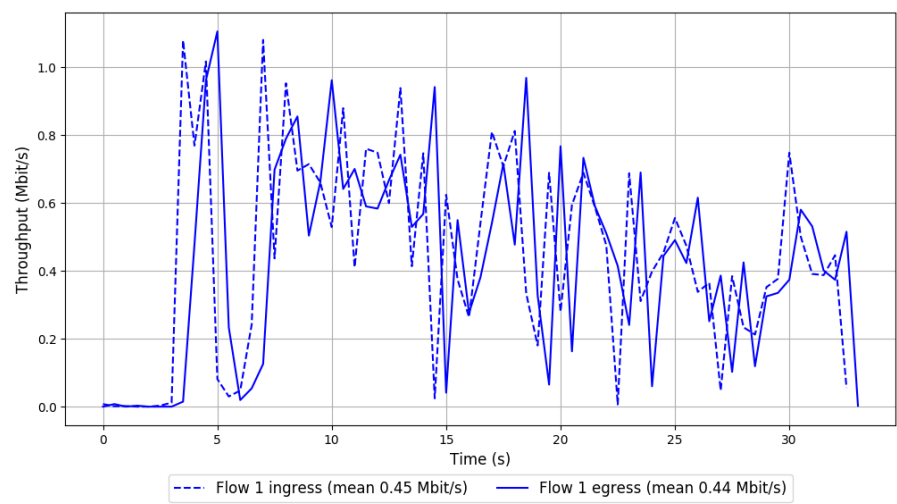


Run 7: Statistics of WebRTC media

Start at: 2018-05-24 23:04:49
End at: 2018-05-24 23:05:19
Local clock offset: 1.894 ms
Remote clock offset: -0.732 ms

Below is generated by plot.py at 2018-05-25 00:08:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 173.453 ms
Loss rate: 3.13%
-- Flow 1:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 173.453 ms
Loss rate: 3.13%

Run 7: Report of WebRTC media — Data Link

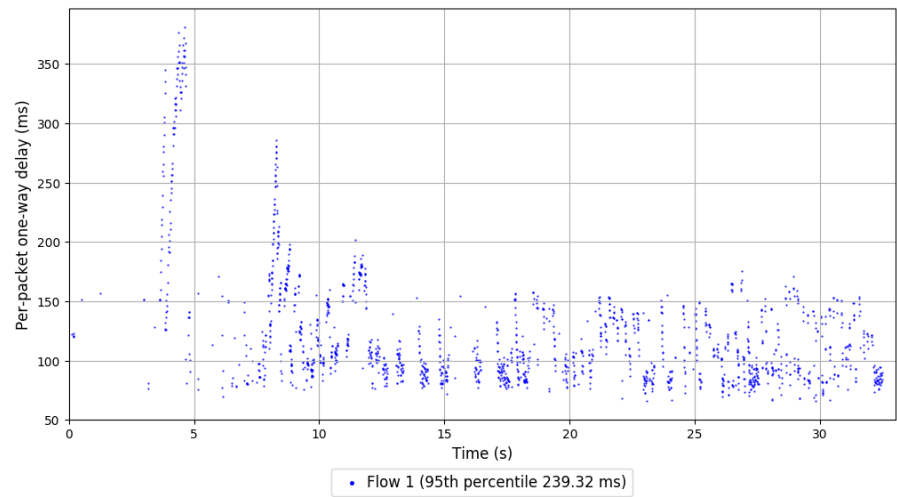
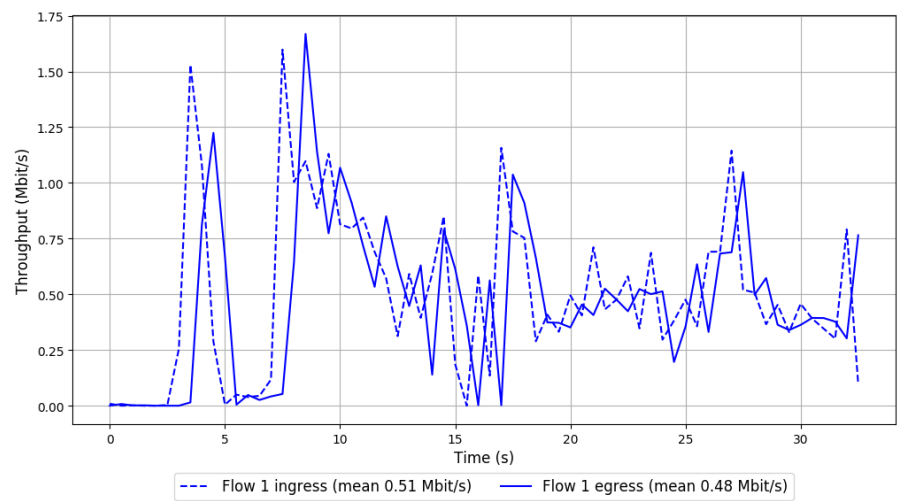


Run 8: Statistics of WebRTC media

Start at: 2018-05-24 23:24:54
End at: 2018-05-24 23:25:24
Local clock offset: 7.052 ms
Remote clock offset: -0.572 ms

Below is generated by plot.py at 2018-05-25 00:08:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 239.319 ms
Loss rate: 5.23%
-- Flow 1:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 239.319 ms
Loss rate: 5.23%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-05-24 23:44:59

End at: 2018-05-24 23:45:29

Local clock offset: 1.95 ms

Remote clock offset: -0.46 ms

Below is generated by plot.py at 2018-05-25 00:08:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 159.218 ms

Loss rate: 5.98%

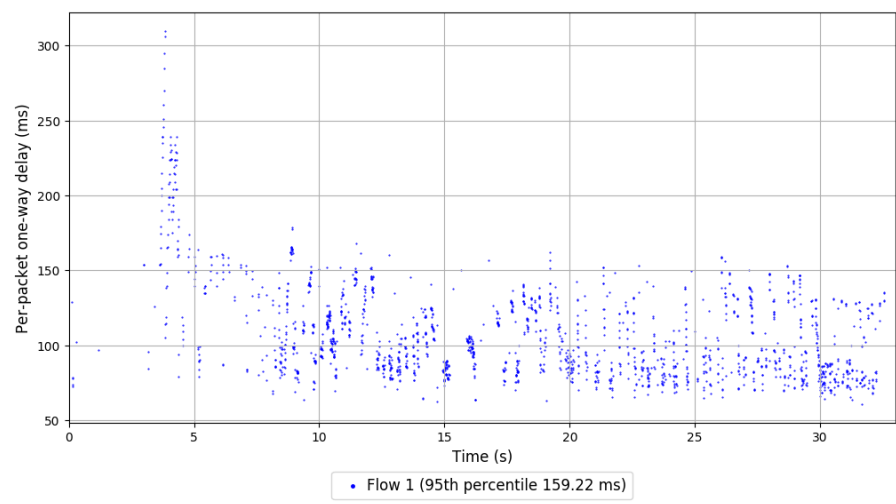
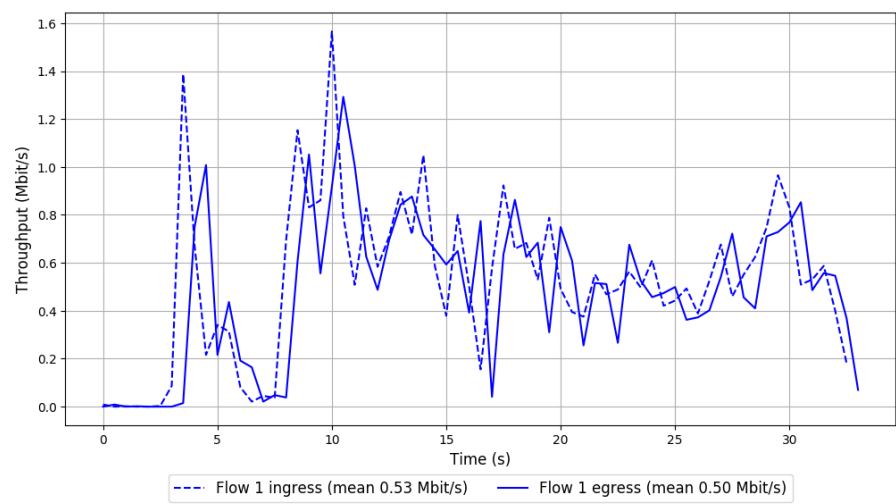
-- Flow 1:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 159.218 ms

Loss rate: 5.98%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-25 00:05:04

End at: 2018-05-25 00:05:34

Local clock offset: 0.113 ms

Remote clock offset: -0.592 ms

Below is generated by plot.py at 2018-05-25 00:08:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 279.763 ms

Loss rate: 7.35%

-- Flow 1:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 279.763 ms

Loss rate: 7.35%

Run 10: Report of WebRTC media — Data Link

