

Pantheon Report

Generated at 2018-05-24 23:49:33 (UTC).

Data path: Colombia ppp0 ppp0 (*remote*) → AWS Brazil 2 Ethernet (*local*).

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

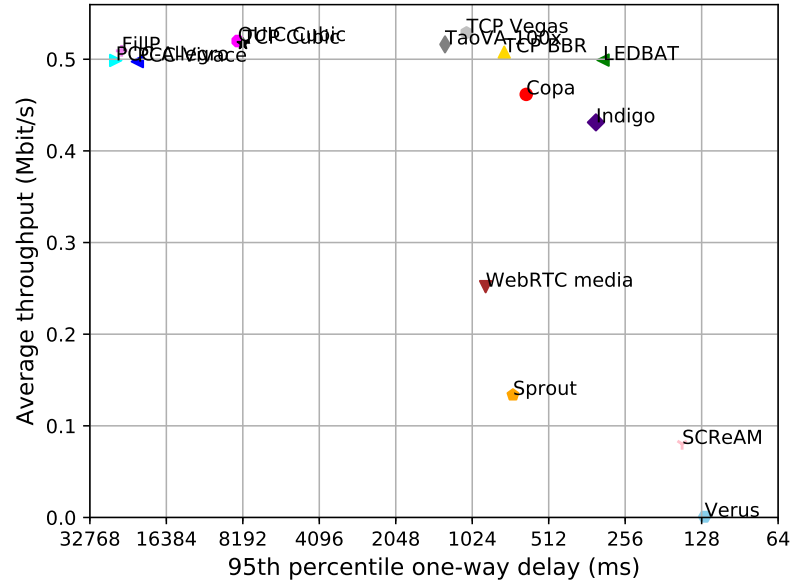
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

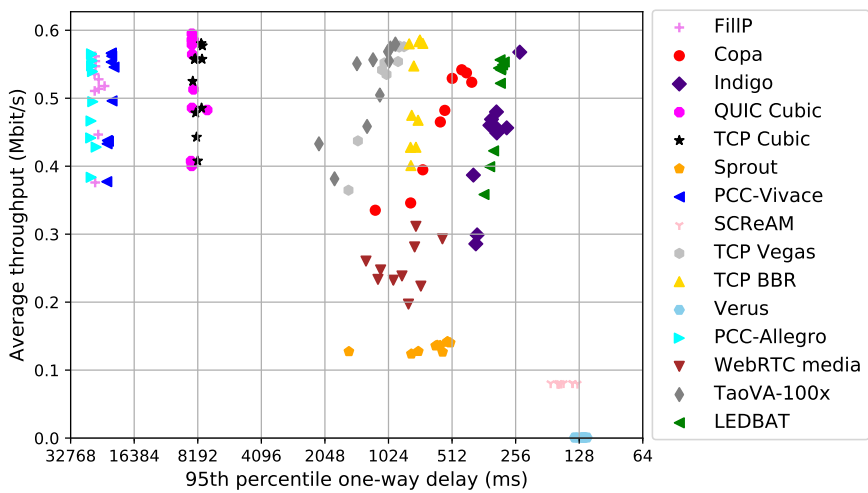
Git summary:

```
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-quic @ 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 Colombia ppp0 to AWS Brazil 2, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from Colombia ppp0 to AWS Brazil 2, 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	0.51	766.11	1.97
Copa	9	0.46	627.73	1.12
TCP Cubic	10	0.52	8179.71	31.29
FillP	10	0.51	24570.69	66.78
Indigo	10	0.43	333.77	0.97
LEDBAT	10	0.50	312.91	1.21
PCC-Allegro	10	0.50	25924.92	63.36
PCC-Expr	0	N/A	N/A	N/A
QUIC Cubic	10	0.52	8576.38	31.47
SCReAM	10	0.08	152.82	0.75
Sprout	10	0.14	707.88	0.85
TaoVA-100x	10	0.52	1310.41	2.85
TCP Vegas	10	0.53	1078.67	1.18
Verus	10	0.00	124.63	0.00
PCC-Vivace	10	0.50	21314.16	75.80
WebRTC media	10	0.25	906.88	1.02

Run 1: Statistics of TCP BBR

Start at: 2018-05-24 20:48:54

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

Local clock offset: -2.575 ms

Remote clock offset: 8.169 ms

Below is generated by plot.py at 2018-05-24 23:48:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 704.118 ms

Loss rate: 2.04%

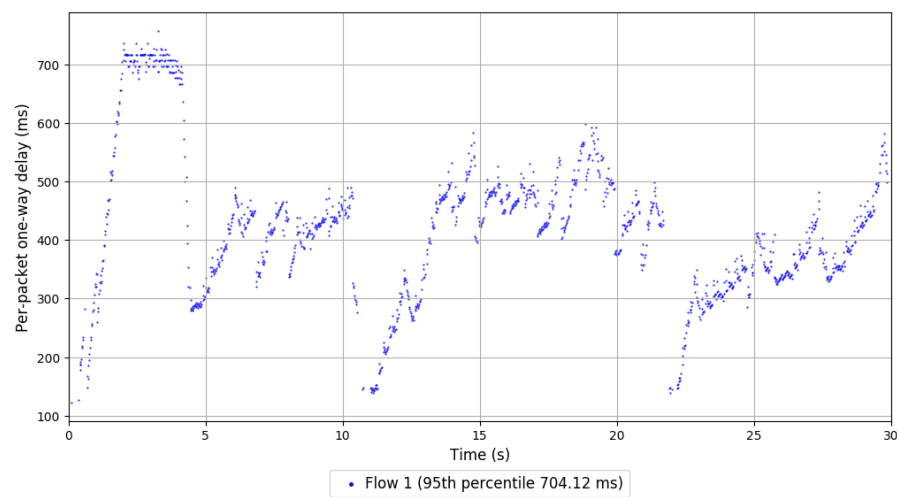
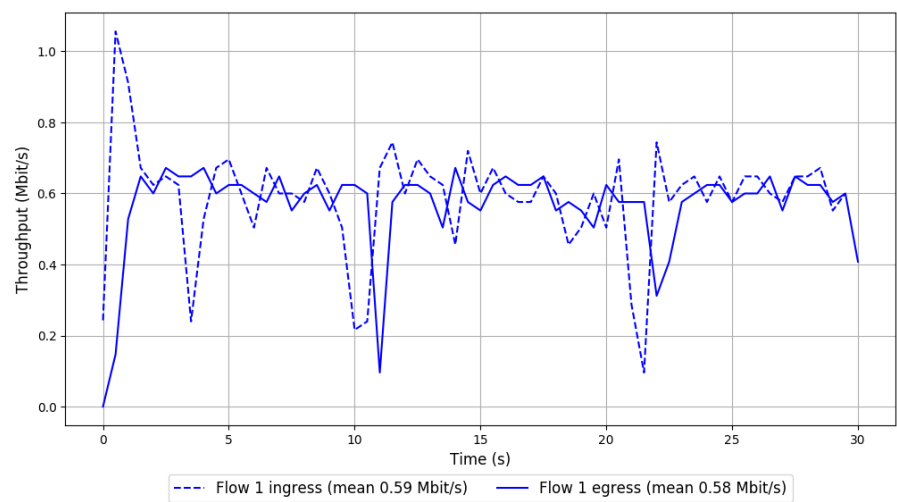
-- Flow 1:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 704.118 ms

Loss rate: 2.04%

Run 1: Report of TCP BBR — Data Link

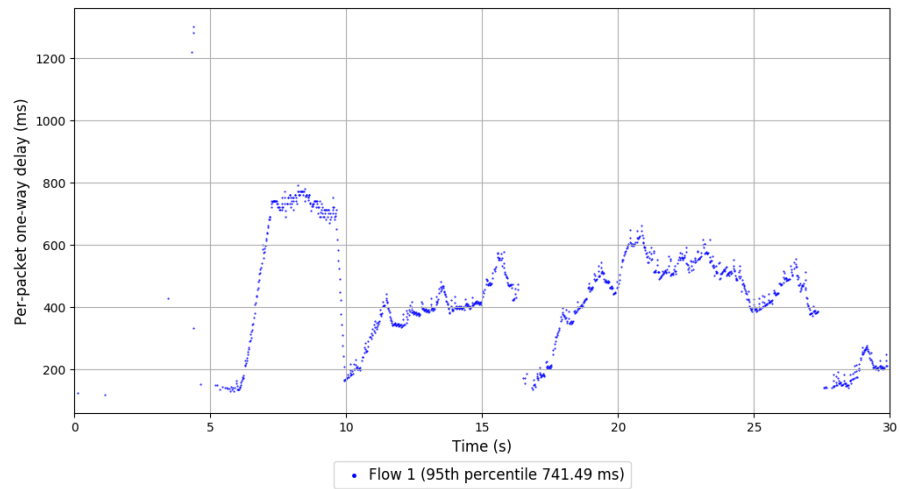
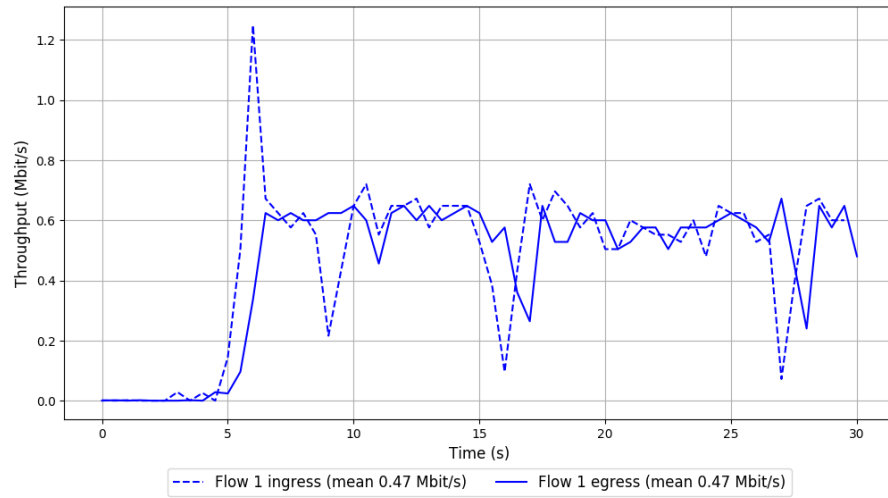


Run 2: Statistics of TCP BBR

Start at: 2018-05-24 21:06:56
End at: 2018-05-24 21:07:26
Local clock offset: -5.671 ms
Remote clock offset: 10.414 ms

Below is generated by plot.py at 2018-05-24 23:48:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 741.488 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 741.488 ms
Loss rate: 1.36%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-05-24 21:25:02

End at: 2018-05-24 21:25:32

Local clock offset: -7.022 ms

Remote clock offset: 6.941 ms

Below is generated by plot.py at 2018-05-24 23:48:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 777.108 ms

Loss rate: 1.74%

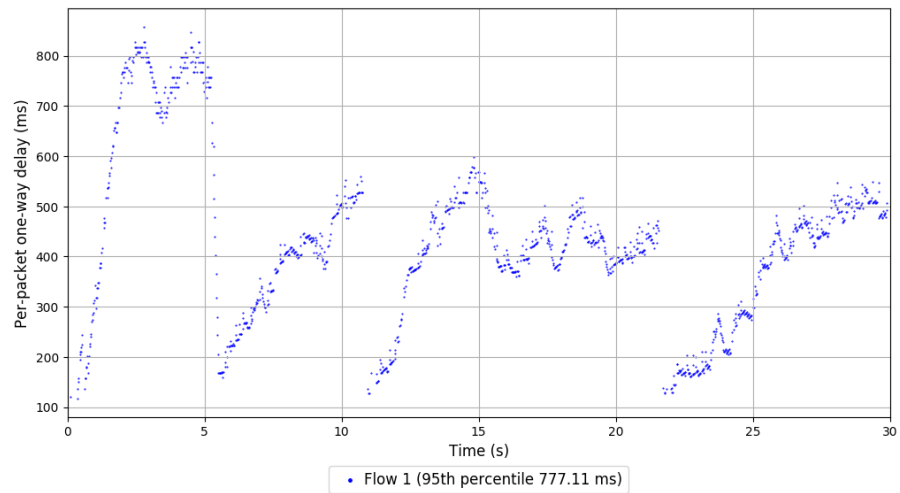
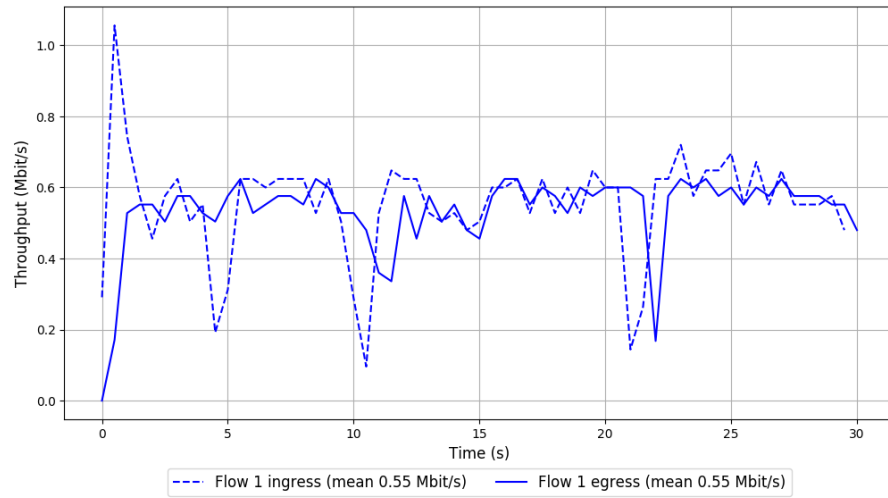
-- Flow 1:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 777.108 ms

Loss rate: 1.74%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-05-24 21:43:33

End at: 2018-05-24 21:44:03

Local clock offset: -7.133 ms

Remote clock offset: 2.874 ms

Below is generated by plot.py at 2018-05-24 23:48:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 801.999 ms

Loss rate: 2.35%

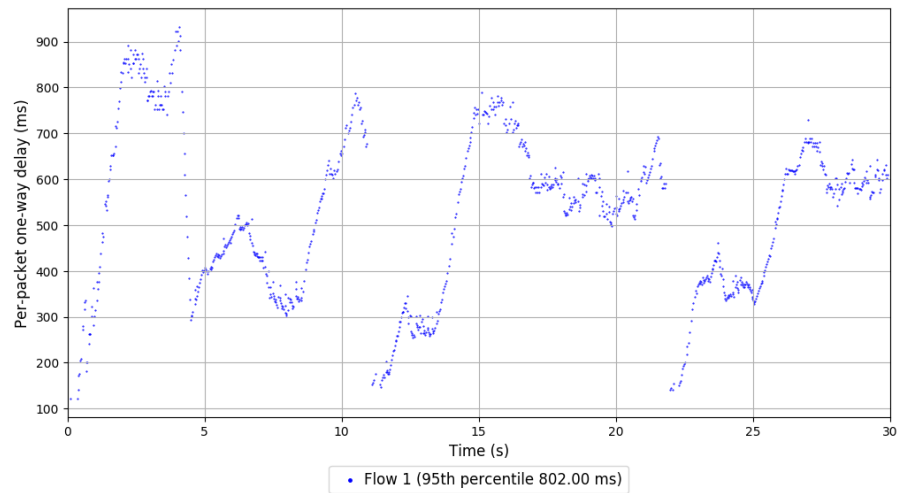
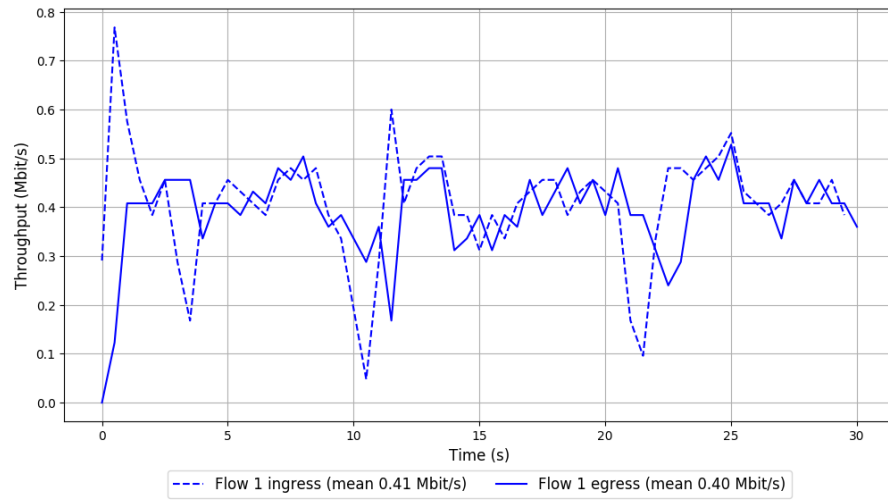
-- Flow 1:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 801.999 ms

Loss rate: 2.35%

Run 4: Report of TCP BBR — Data Link

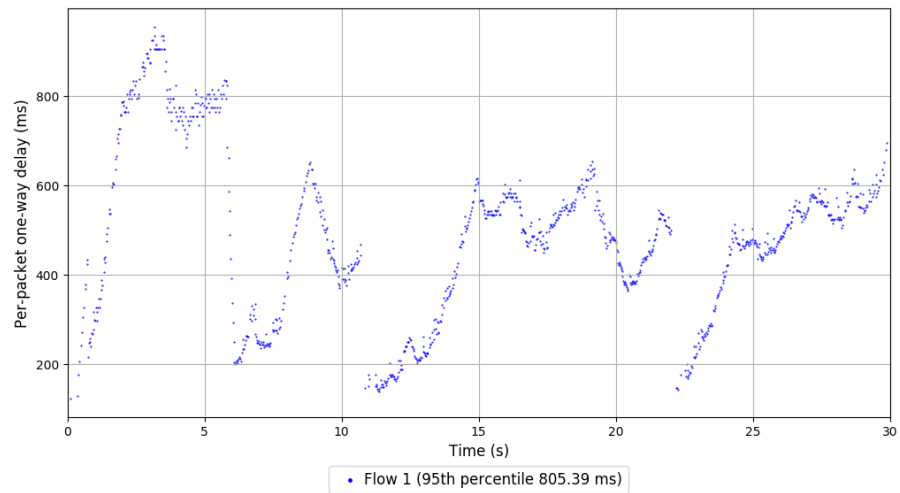
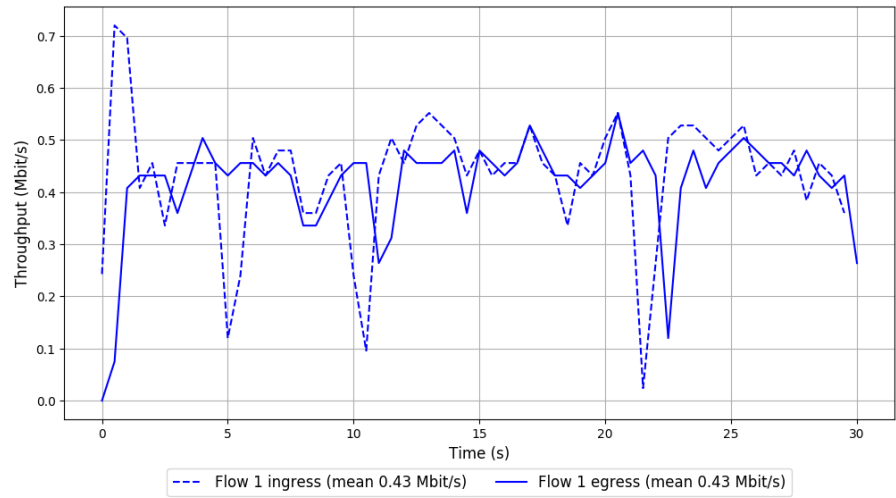


Run 5: Statistics of TCP BBR

Start at: 2018-05-24 22:02:09
End at: 2018-05-24 22:02:39
Local clock offset: -7.077 ms
Remote clock offset: -1.717 ms

Below is generated by plot.py at 2018-05-24 23:48:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 805.391 ms
Loss rate: 2.30%
-- Flow 1:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 805.391 ms
Loss rate: 2.30%

Run 5: Report of TCP BBR — Data Link

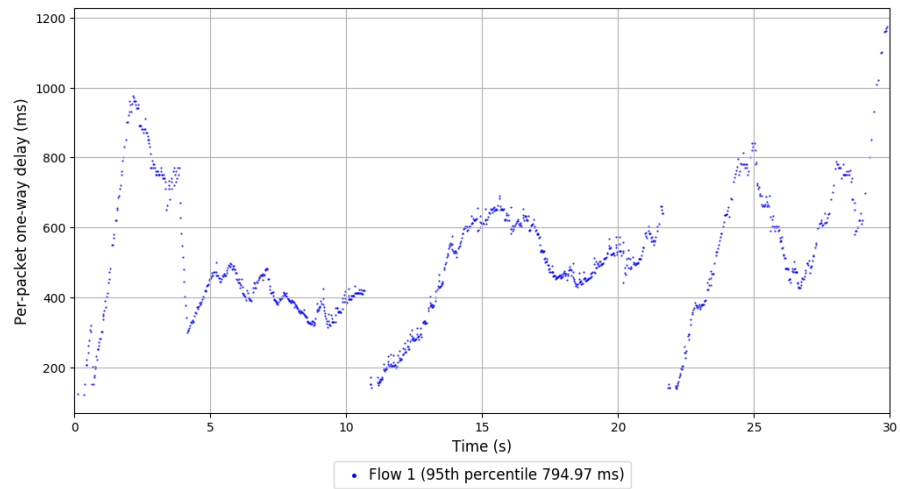
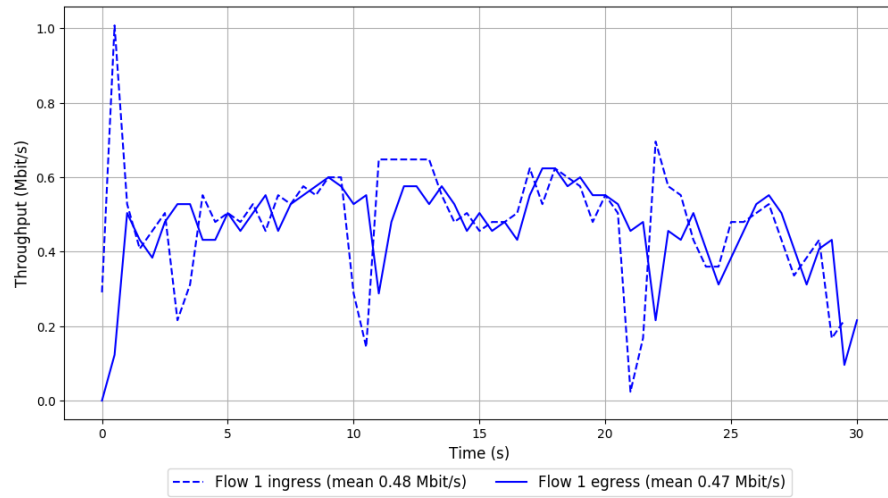


Run 6: Statistics of TCP BBR

Start at: 2018-05-24 22:20:30
End at: 2018-05-24 22:21:00
Local clock offset: -6.336 ms
Remote clock offset: -4.184 ms

Below is generated by plot.py at 2018-05-24 23:48:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 794.969 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 794.969 ms
Loss rate: 2.08%

Run 6: Report of TCP BBR — Data Link

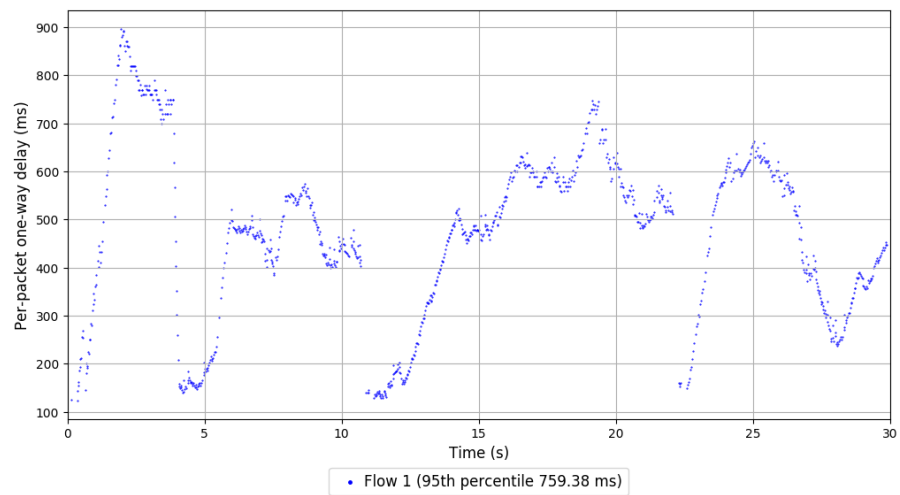
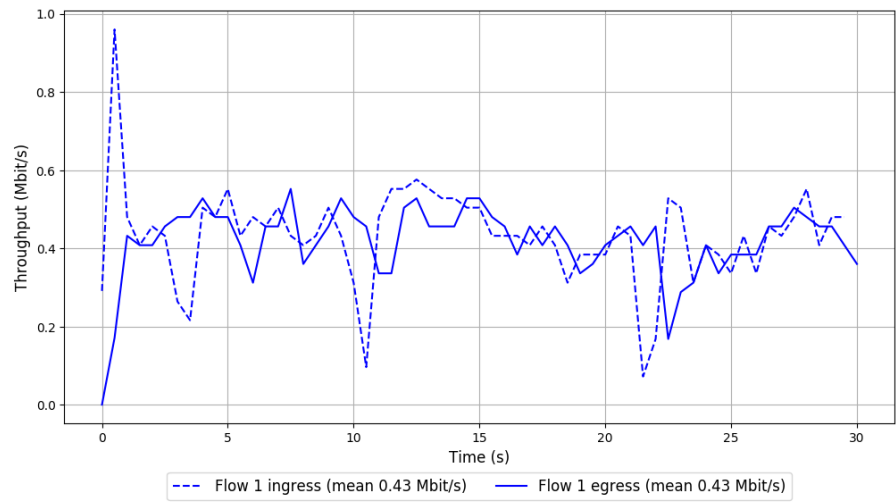


Run 7: Statistics of TCP BBR

Start at: 2018-05-24 22:38:46
End at: 2018-05-24 22:39:16
Local clock offset: -2.243 ms
Remote clock offset: 12.666 ms

Below is generated by plot.py at 2018-05-24 23:48:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 759.382 ms
Loss rate: 2.03%
-- Flow 1:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 759.382 ms
Loss rate: 2.03%

Run 7: Report of TCP BBR — Data Link

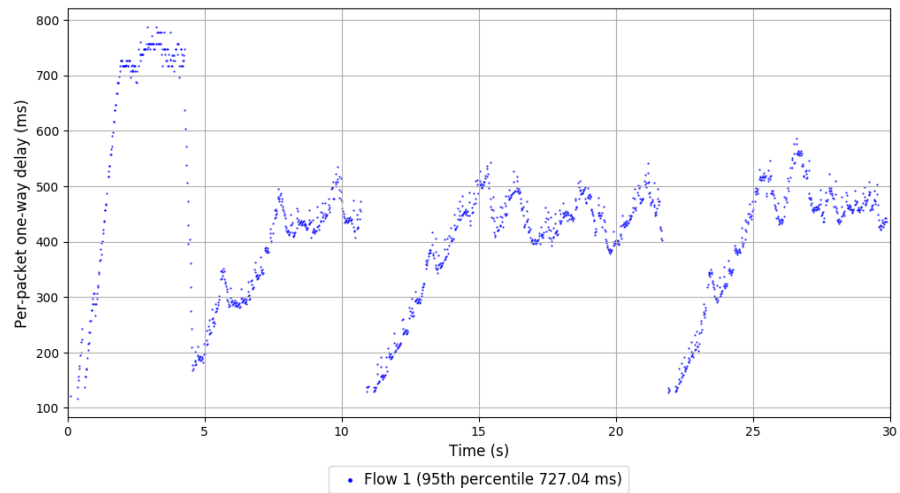
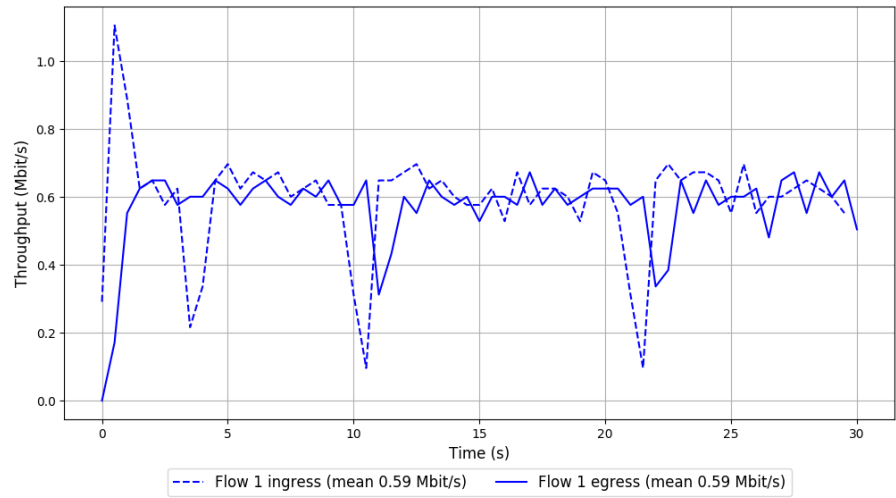


Run 8: Statistics of TCP BBR

Start at: 2018-05-24 22:56:45
End at: 2018-05-24 22:57:15
Local clock offset: -0.979 ms
Remote clock offset: 17.482 ms

Below is generated by plot.py at 2018-05-24 23:48:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 727.041 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 727.041 ms
Loss rate: 1.76%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

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

End at: 2018-05-24 23:15:16

Local clock offset: -6.092 ms

Remote clock offset: 9.656 ms

Below is generated by plot.py at 2018-05-24 23:48:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 732.700 ms

Loss rate: 1.96%

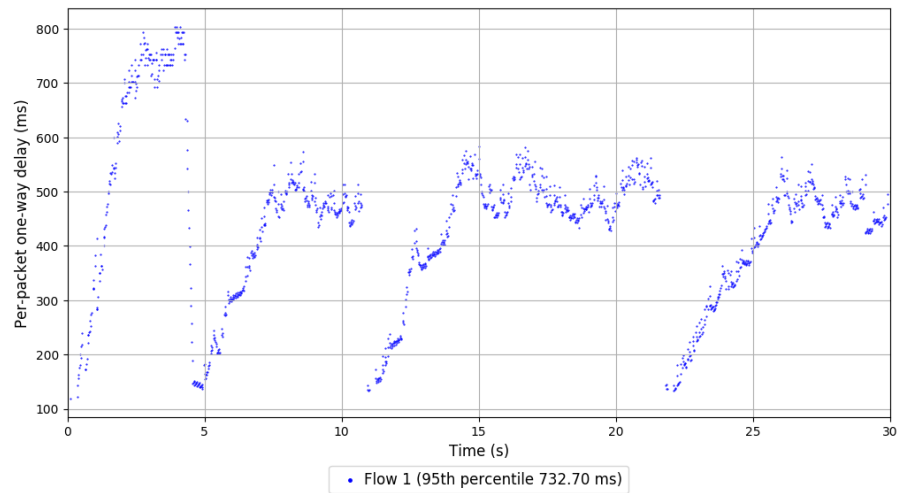
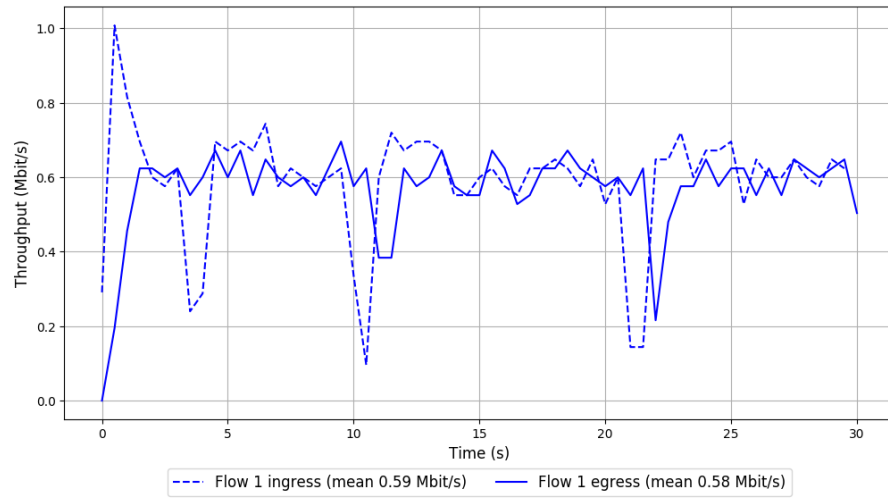
-- Flow 1:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 732.700 ms

Loss rate: 1.96%

Run 9: Report of TCP BBR — Data Link

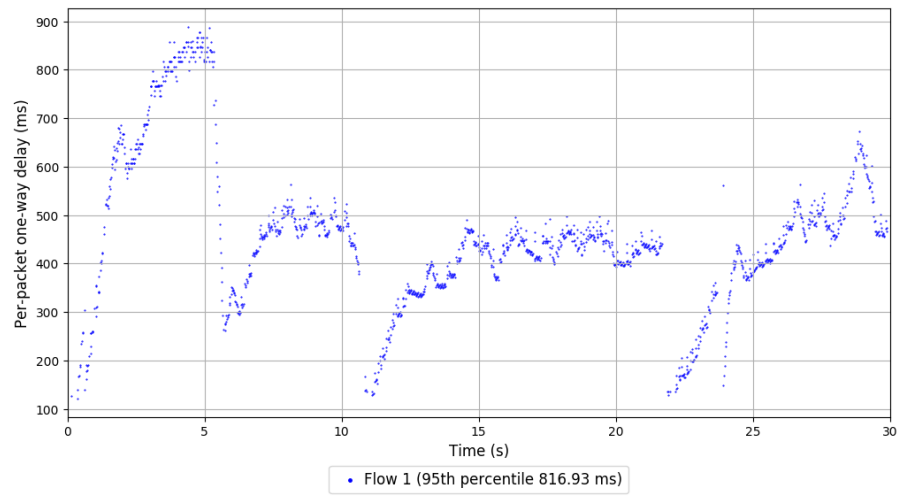
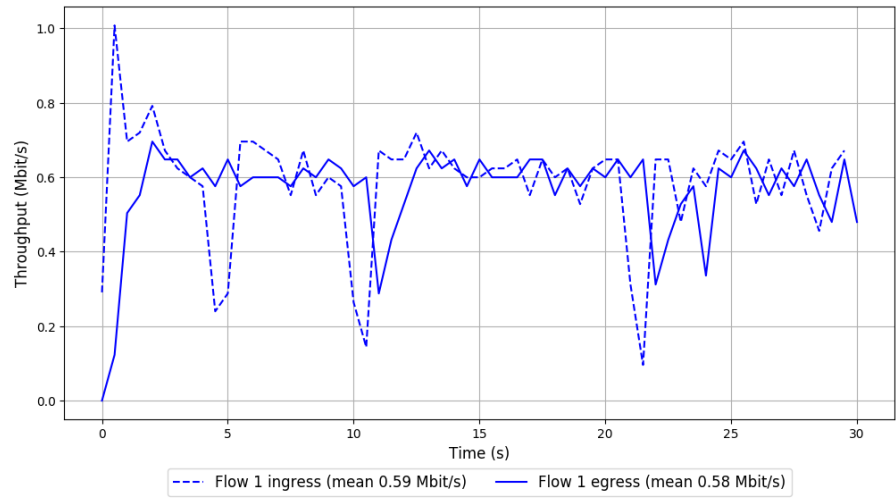


Run 10: Statistics of TCP BBR

Start at: 2018-05-24 23:32:47
End at: 2018-05-24 23:33:18
Local clock offset: -3.016 ms
Remote clock offset: 11.045 ms

Below is generated by plot.py at 2018-05-24 23:48:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 816.932 ms
Loss rate: 2.11%
-- Flow 1:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 816.932 ms
Loss rate: 2.11%

Run 10: Report of TCP BBR — Data Link

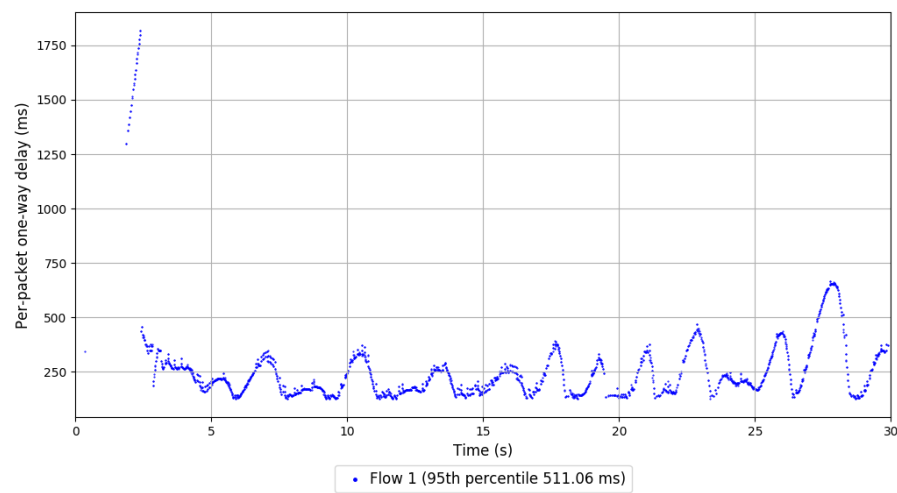
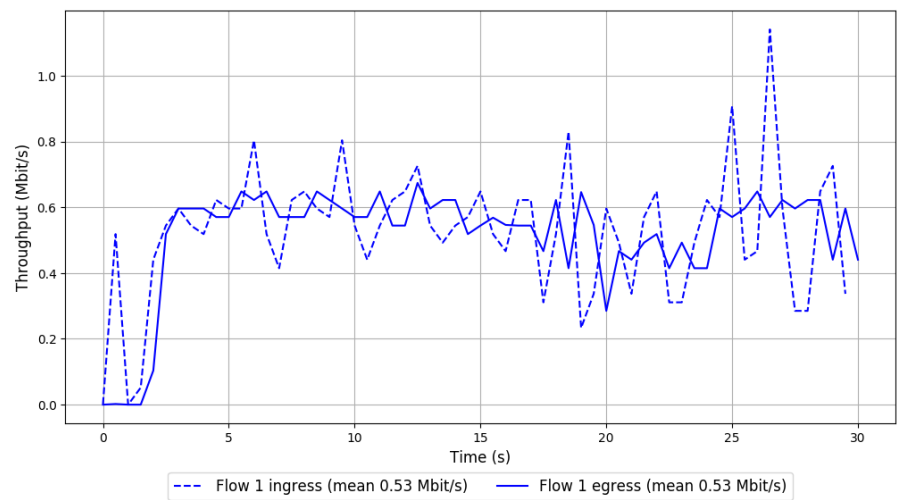


Run 1: Statistics of Copa

Start at: 2018-05-24 20:51:08
End at: 2018-05-24 20:51:38
Local clock offset: -1.584 ms
Remote clock offset: 11.471 ms

Below is generated by plot.py at 2018-05-24 23:48:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 511.056 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 511.056 ms
Loss rate: 0.99%

Run 1: Report of Copa — Data Link

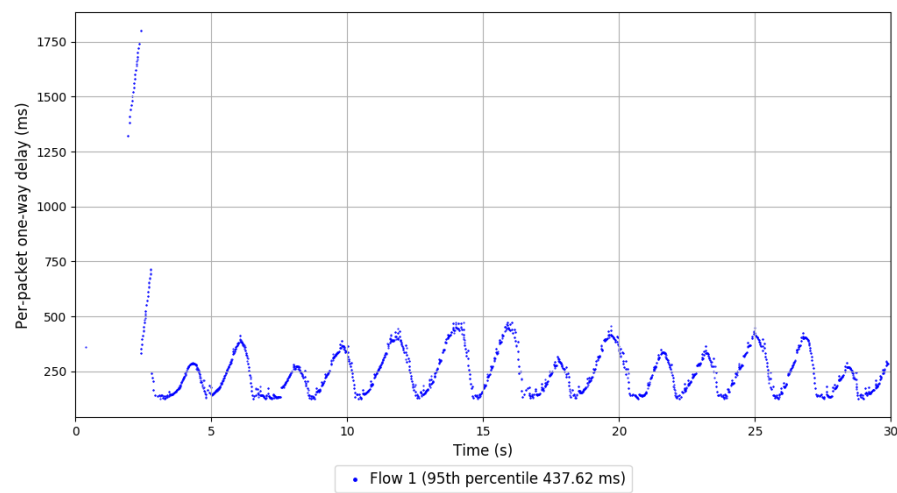
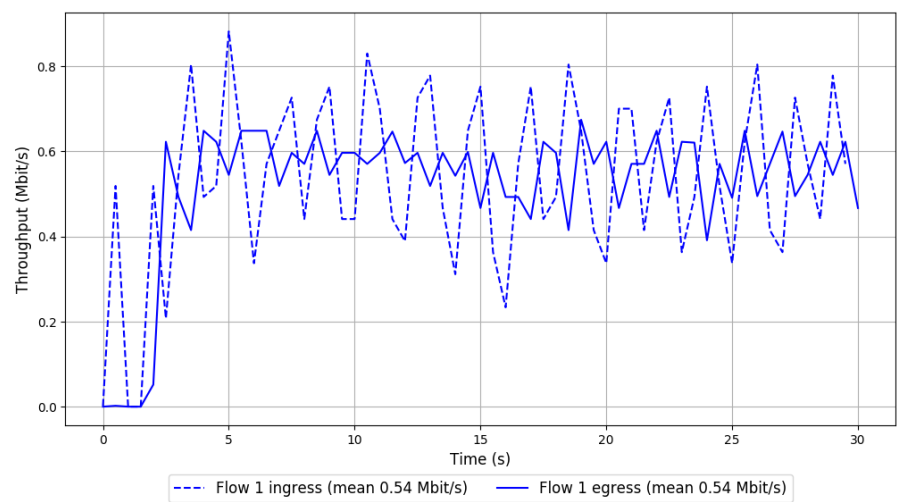


Run 2: Statistics of Copa

Start at: 2018-05-24 21:09:10
End at: 2018-05-24 21:09:40
Local clock offset: -6.972 ms
Remote clock offset: 10.188 ms

Below is generated by plot.py at 2018-05-24 23:48:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 437.615 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 437.615 ms
Loss rate: 1.29%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-05-24 21:27:17

End at: 2018-05-24 21:27:47

Local clock offset: -7.659 ms

Remote clock offset: 1.832 ms

Below is generated by plot.py at 2018-05-24 23:48:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 554.086 ms

Loss rate: 0.90%

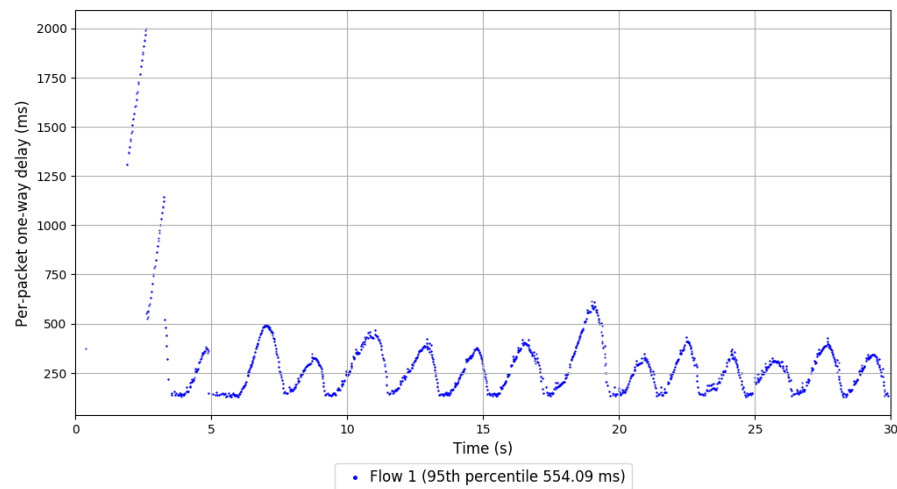
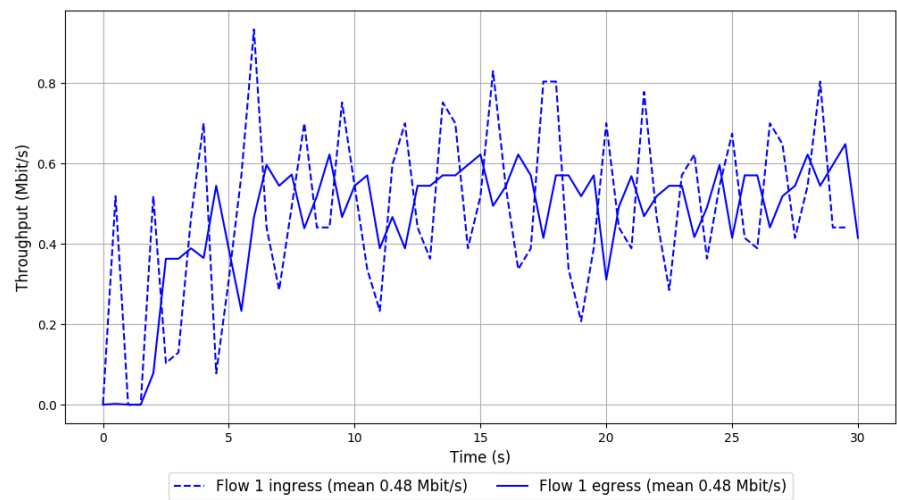
-- Flow 1:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 554.086 ms

Loss rate: 0.90%

Run 3: Report of Copa — Data Link

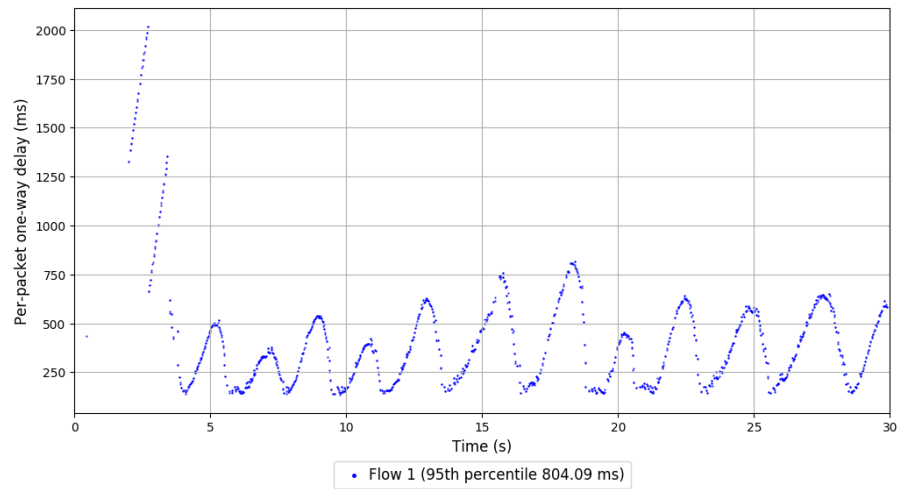
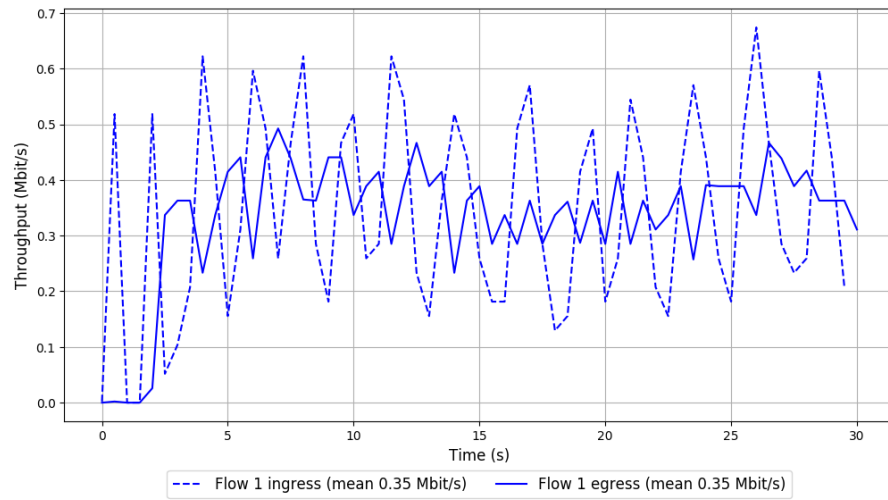


Run 4: Statistics of Copa

Start at: 2018-05-24 21:45:49
End at: 2018-05-24 21:46:19
Local clock offset: -6.388 ms
Remote clock offset: -1.092 ms

Below is generated by plot.py at 2018-05-24 23:48:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 804.091 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 804.091 ms
Loss rate: 1.50%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-05-24 22:04:25

End at: 2018-05-24 22:04:55

Local clock offset: -7.033 ms

Remote clock offset: 1.881 ms

Below is generated by plot.py at 2018-05-24 23:48:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 1182.549 ms

Loss rate: 1.04%

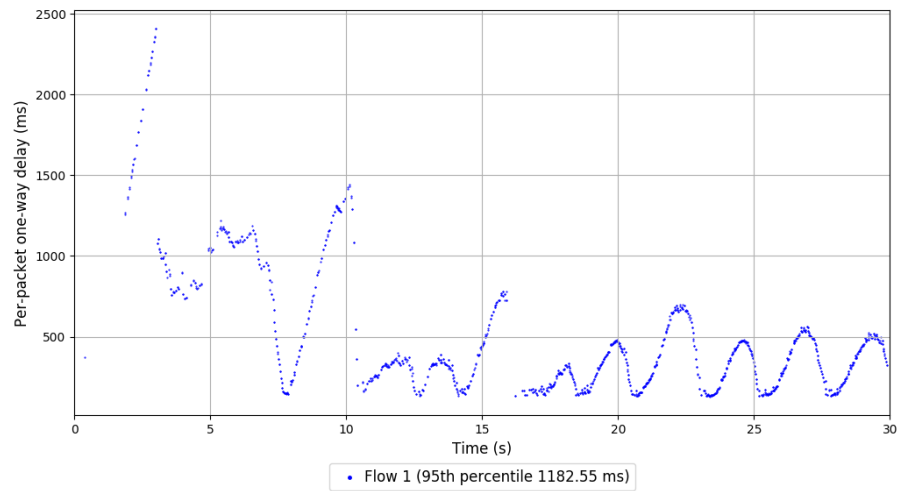
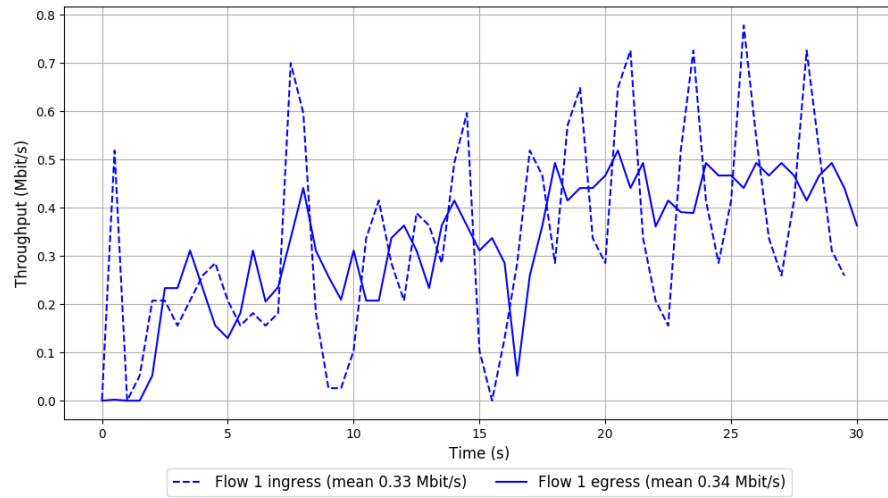
-- Flow 1:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 1182.549 ms

Loss rate: 1.04%

Run 5: Report of Copa — Data Link

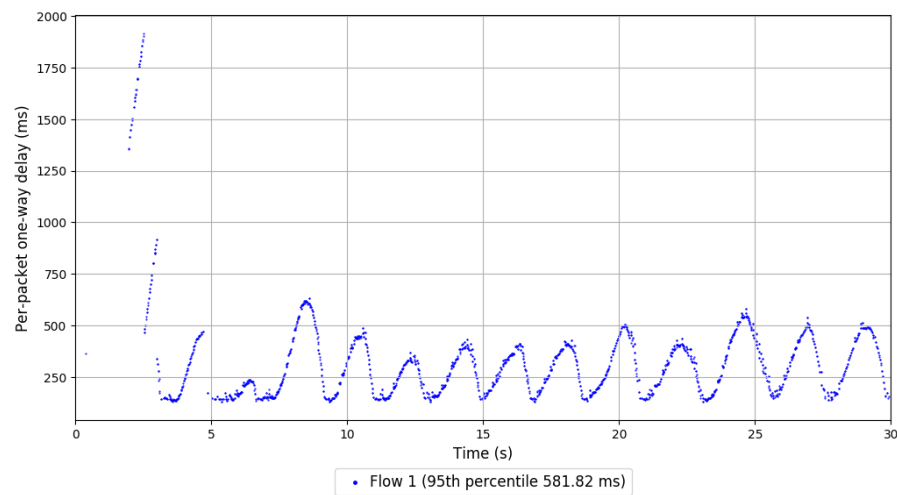
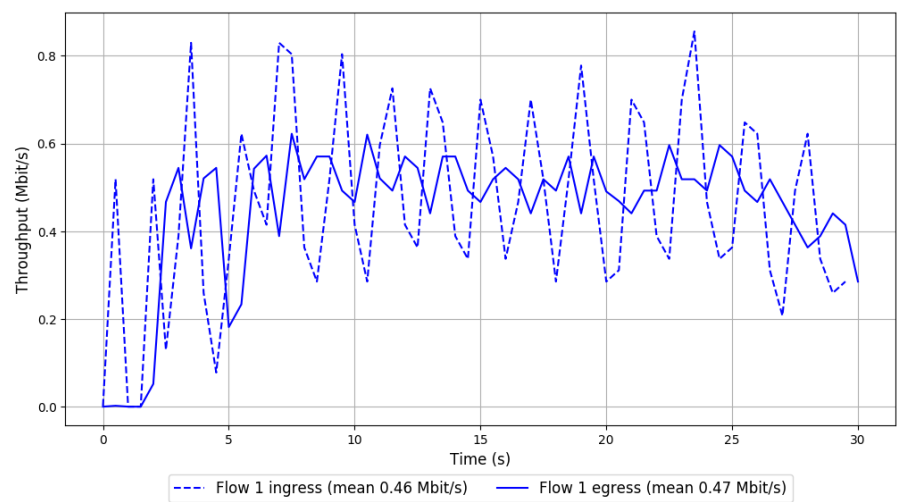


Run 6: Statistics of Copa

Start at: 2018-05-24 22:22:45
End at: 2018-05-24 22:23:15
Local clock offset: -6.399 ms
Remote clock offset: -2.238 ms

Below is generated by plot.py at 2018-05-24 23:48:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 581.822 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 581.822 ms
Loss rate: 0.66%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-05-24 22:41:00

End at: 2018-05-24 22:41:30

Local clock offset: -2.669 ms

Remote clock offset: 9.797 ms

Below is generated by plot.py at 2018-05-24 23:48:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 704.561 ms

Loss rate: 1.00%

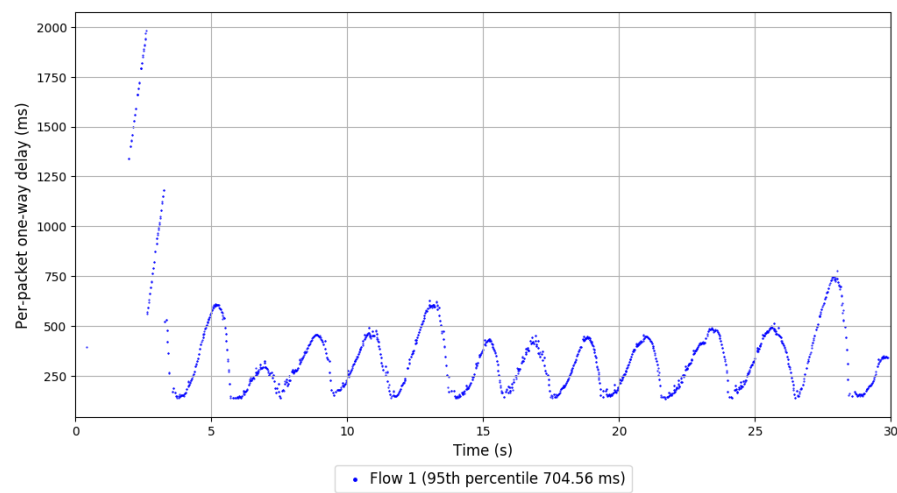
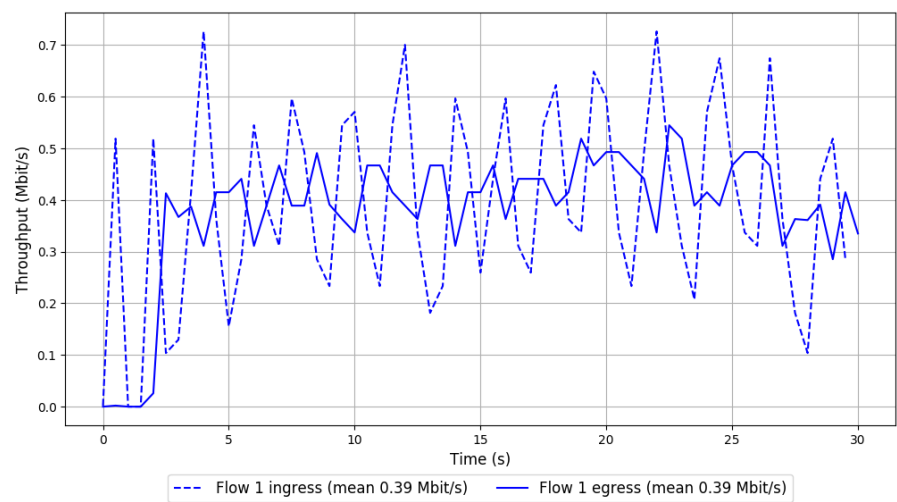
-- Flow 1:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 704.561 ms

Loss rate: 1.00%

Run 7: Report of Copa — Data Link

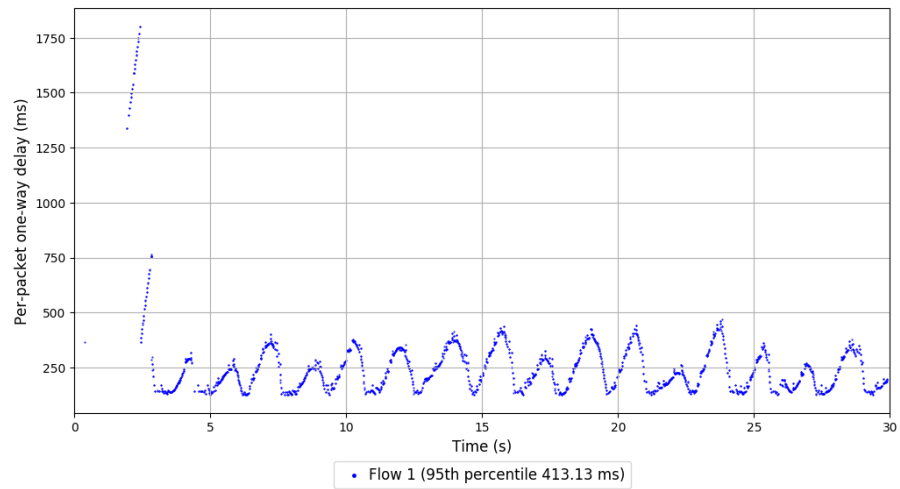
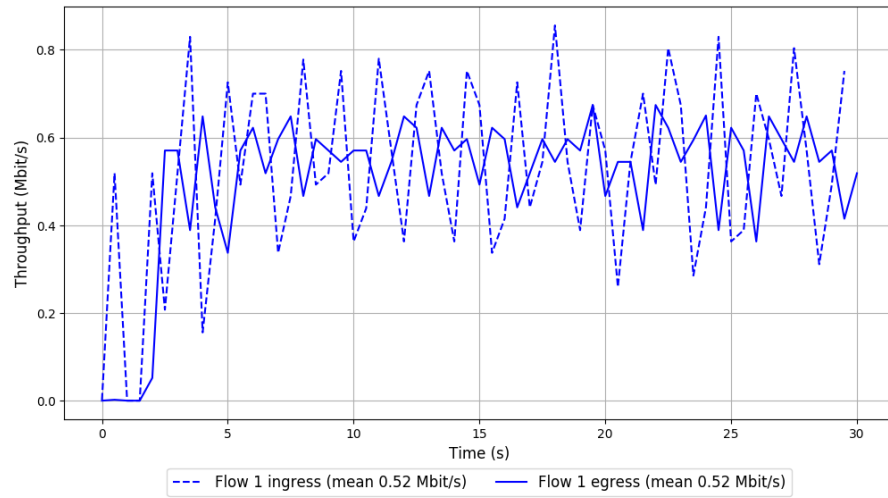


Run 8: Statistics of Copa

Start at: 2018-05-24 22:58:59
End at: 2018-05-24 22:59:29
Local clock offset: -2.186 ms
Remote clock offset: 13.905 ms

Below is generated by plot.py at 2018-05-24 23:48:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 413.130 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 413.130 ms
Loss rate: 1.32%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

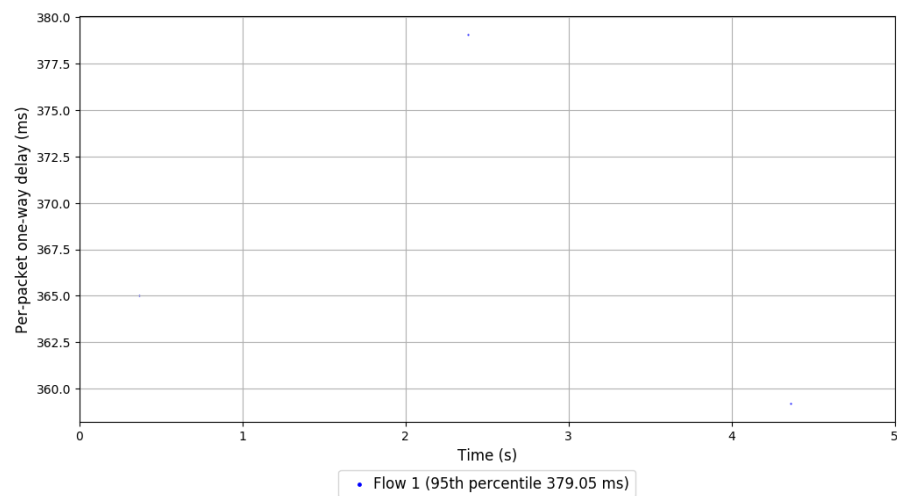
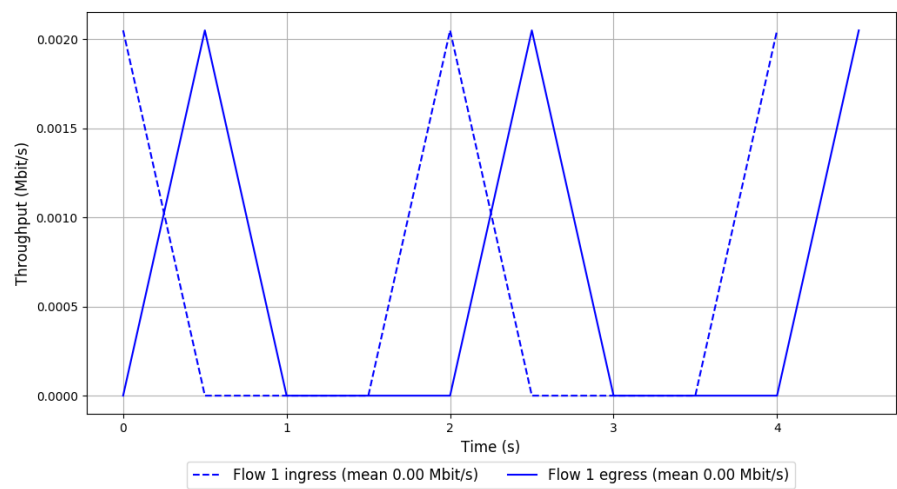
Start at: 2018-05-24 23:17:00

End at: 2018-05-24 23:17:30

Local clock offset: -6.279 ms

Remote clock offset: 6.519 ms

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-05-24 23:35:02

End at: 2018-05-24 23:35:32

Local clock offset: -2.332 ms

Remote clock offset: 9.17 ms

Below is generated by plot.py at 2018-05-24 23:48:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 460.680 ms

Loss rate: 1.36%

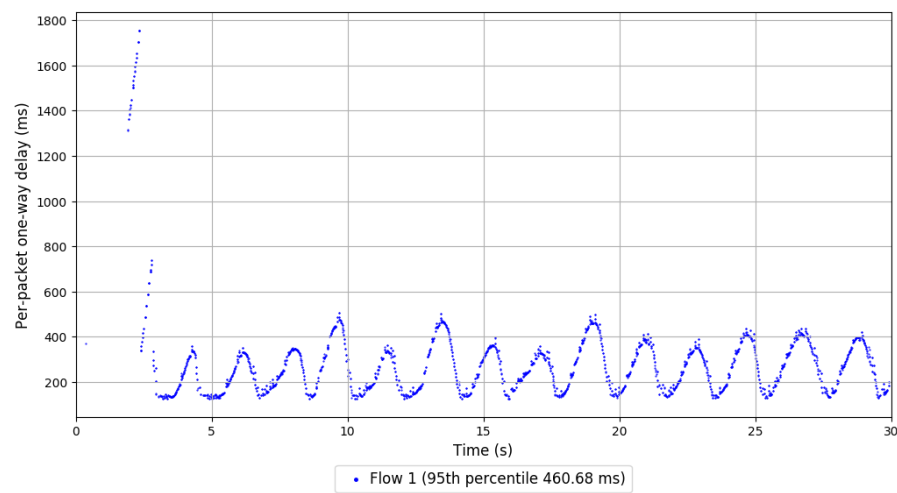
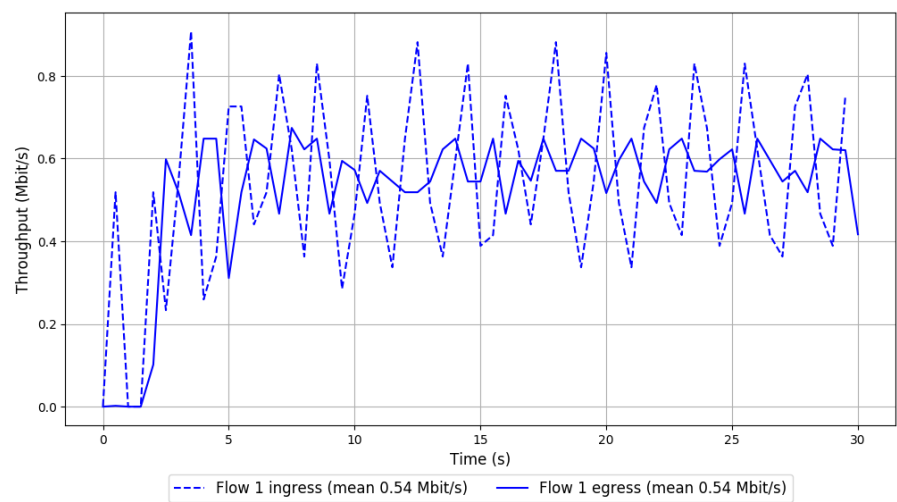
-- Flow 1:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 460.680 ms

Loss rate: 1.36%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-05-24 21:01:16

End at: 2018-05-24 21:01:46

Local clock offset: -4.048 ms

Remote clock offset: 5.753 ms

Below is generated by plot.py at 2018-05-24 23:48:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 8650.078 ms

Loss rate: 31.15%

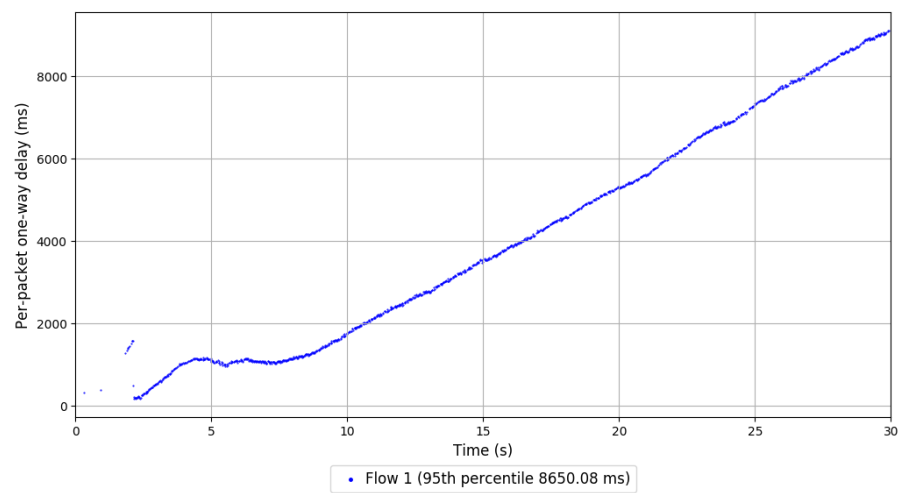
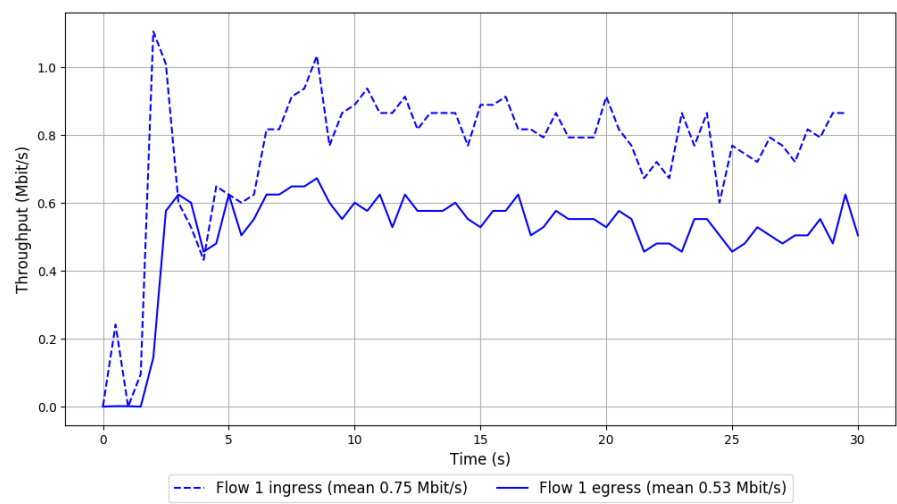
-- Flow 1:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 8650.078 ms

Loss rate: 31.15%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-05-24 21:19:15

End at: 2018-05-24 21:19:45

Local clock offset: -8.136 ms

Remote clock offset: 3.798 ms

Below is generated by plot.py at 2018-05-24 23:48:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.56 Mbit/s

95th percentile per-packet one-way delay: 7821.376 ms

Loss rate: 31.28%

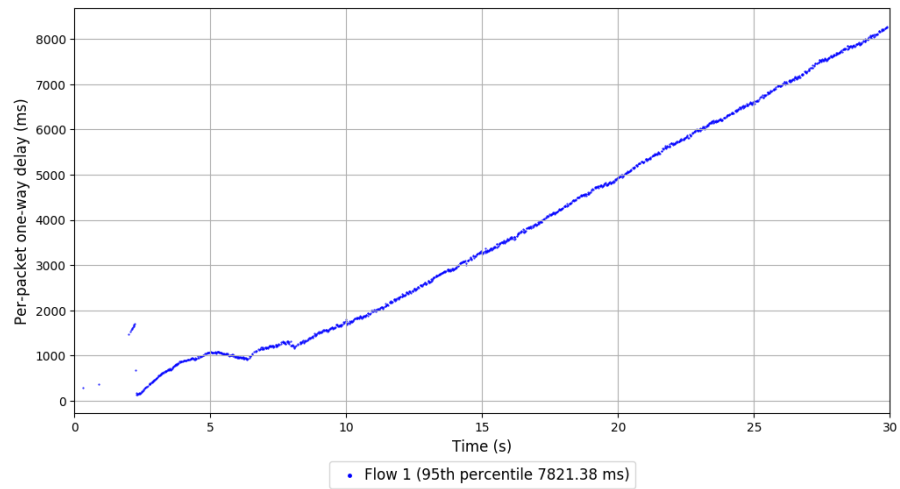
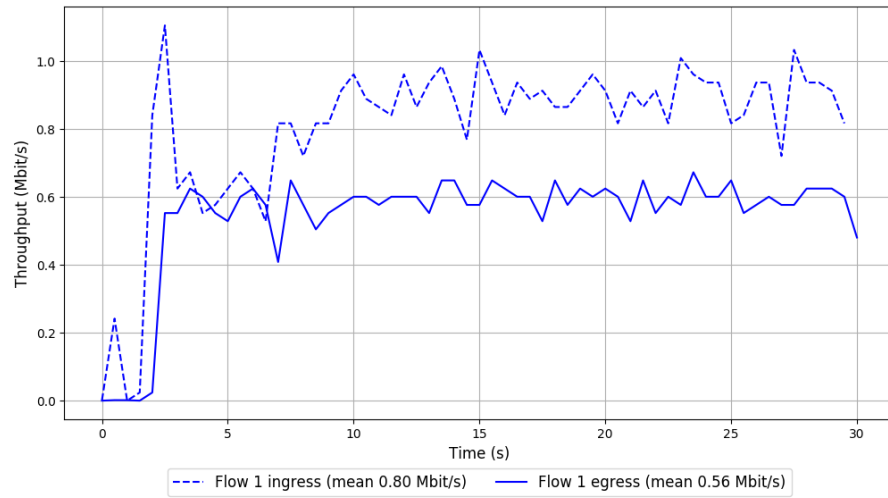
-- Flow 1:

Average throughput: 0.56 Mbit/s

95th percentile per-packet one-way delay: 7821.376 ms

Loss rate: 31.28%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-05-24 21:37:21

End at: 2018-05-24 21:37:51

Local clock offset: -6.421 ms

Remote clock offset: 0.512 ms

Below is generated by plot.py at 2018-05-24 23:48:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 8201.068 ms

Loss rate: 32.07%

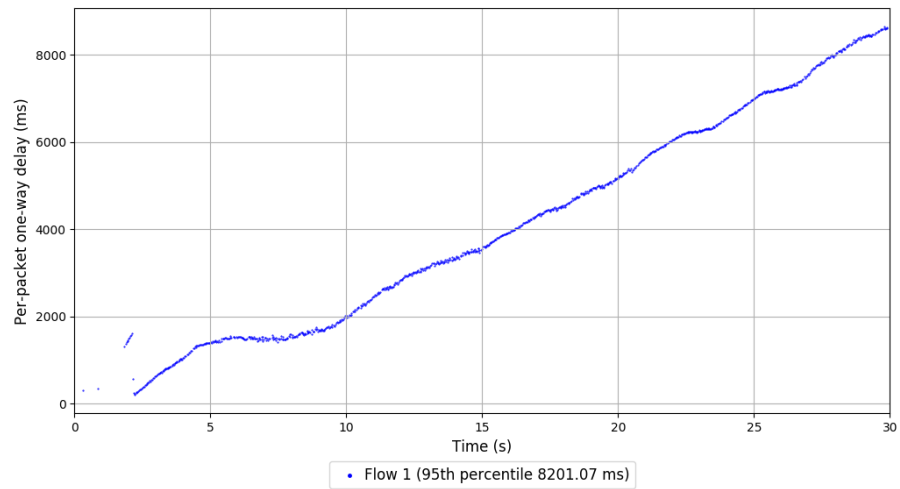
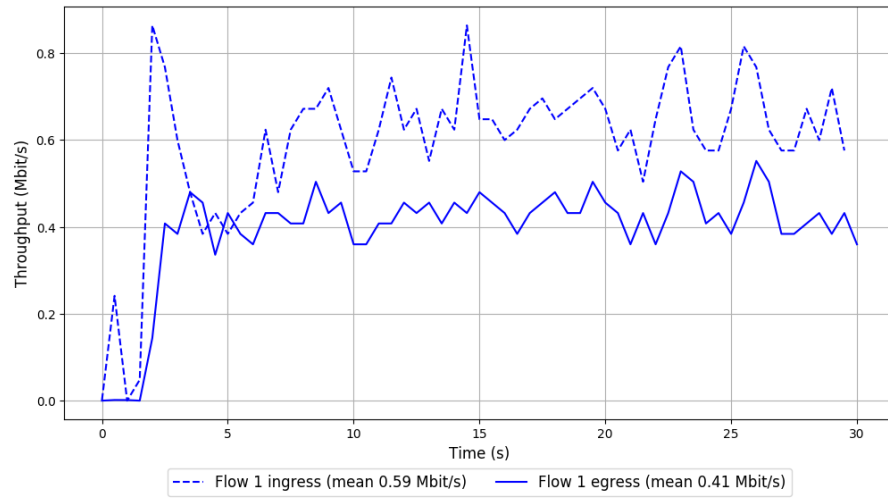
-- Flow 1:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 8201.068 ms

Loss rate: 32.07%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-05-24 21:56:10

End at: 2018-05-24 21:56:40

Local clock offset: -6.516 ms

Remote clock offset: 3.373 ms

Below is generated by plot.py at 2018-05-24 23:48:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 8295.766 ms

Loss rate: 31.96%

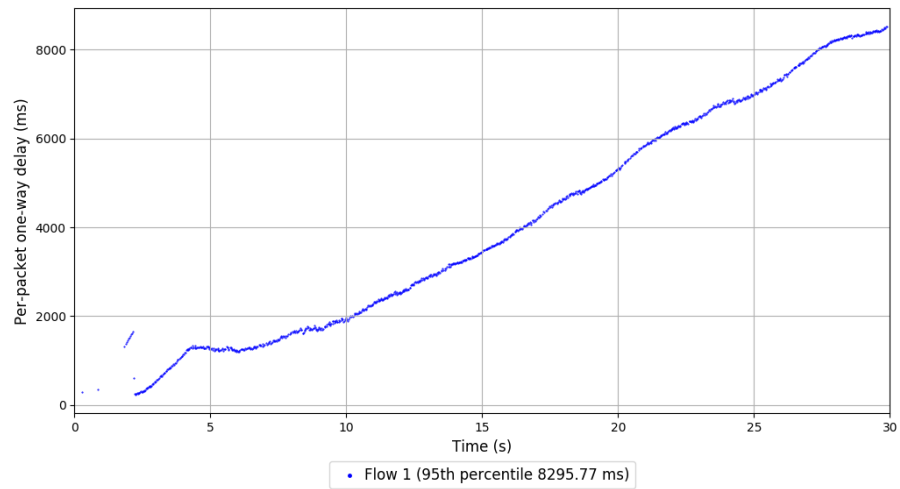
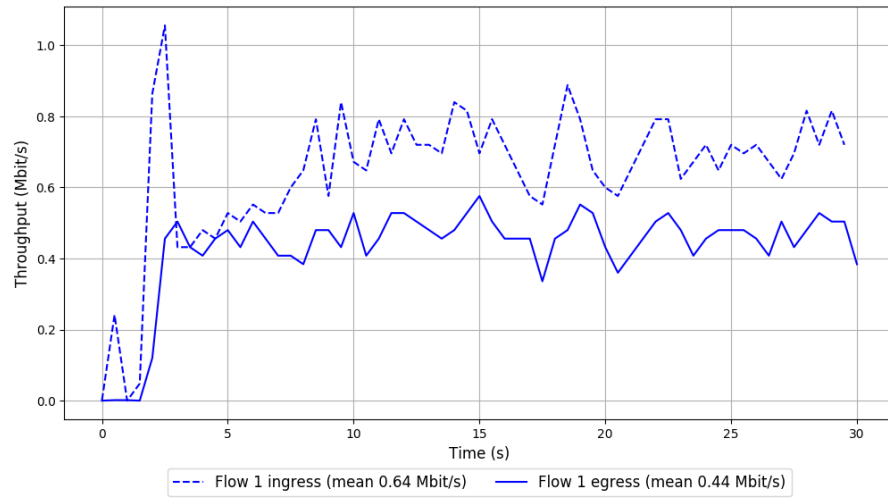
-- Flow 1:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 8295.766 ms

Loss rate: 31.96%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

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

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

Local clock offset: -6.271 ms

Remote clock offset: 0.156 ms

Below is generated by plot.py at 2018-05-24 23:48:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 7861.825 ms

Loss rate: 31.22%

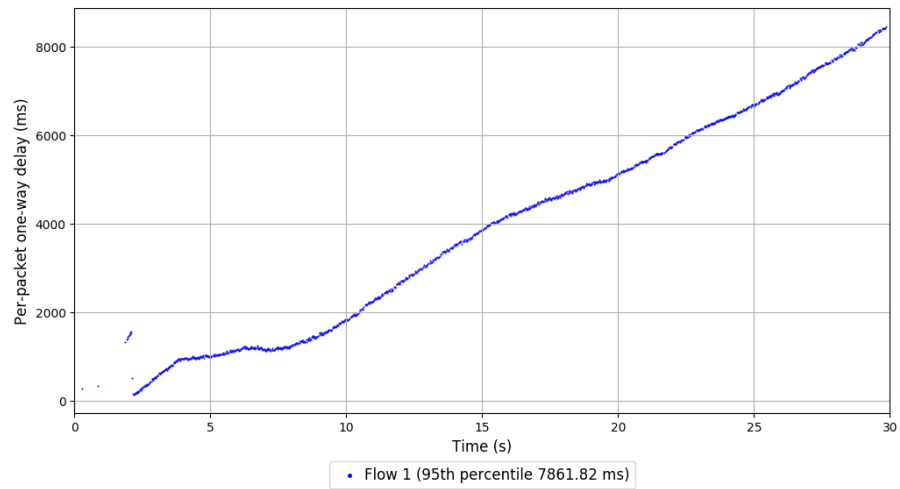
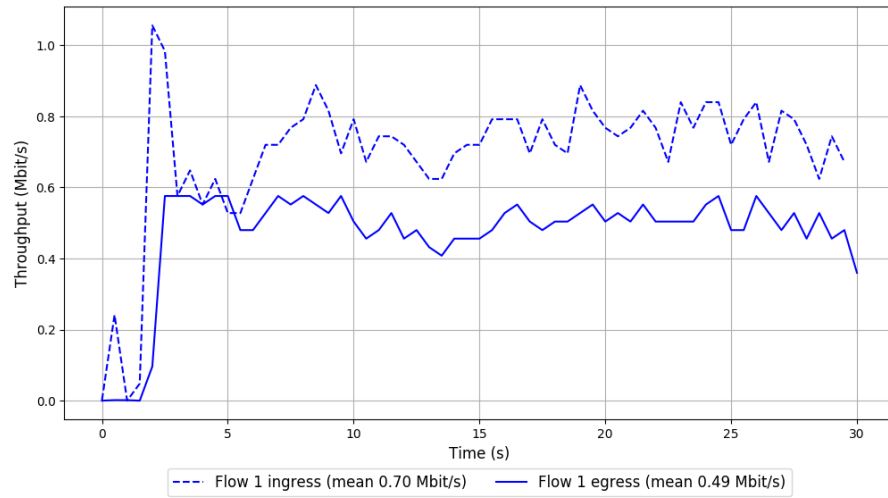
-- Flow 1:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 7861.825 ms

Loss rate: 31.22%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-05-24 22:32:51

End at: 2018-05-24 22:33:21

Local clock offset: -4.328 ms

Remote clock offset: 5.551 ms

Below is generated by plot.py at 2018-05-24 23:48:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 8377.290 ms

Loss rate: 31.55%

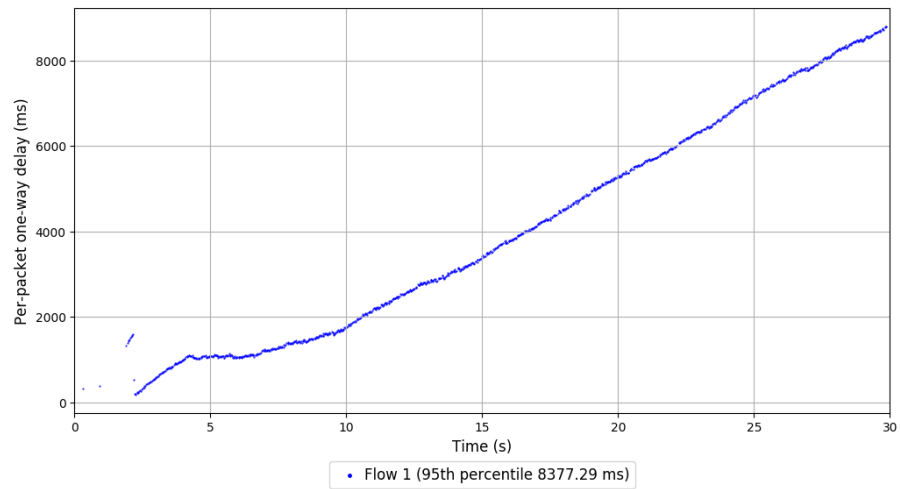
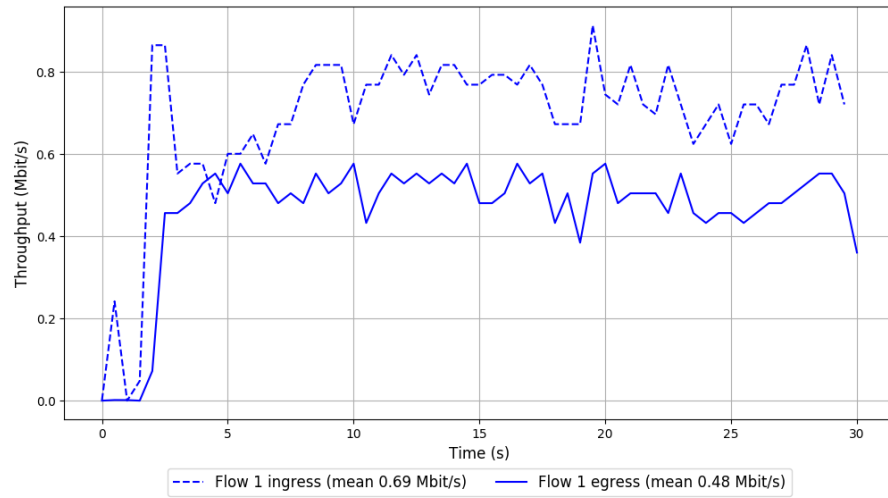
-- Flow 1:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 8377.290 ms

Loss rate: 31.55%

Run 6: Report of TCP Cubic — Data Link

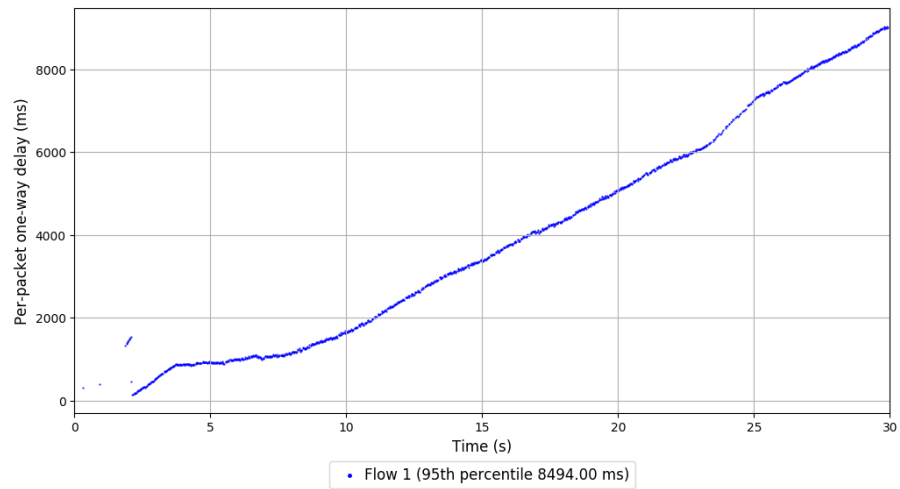
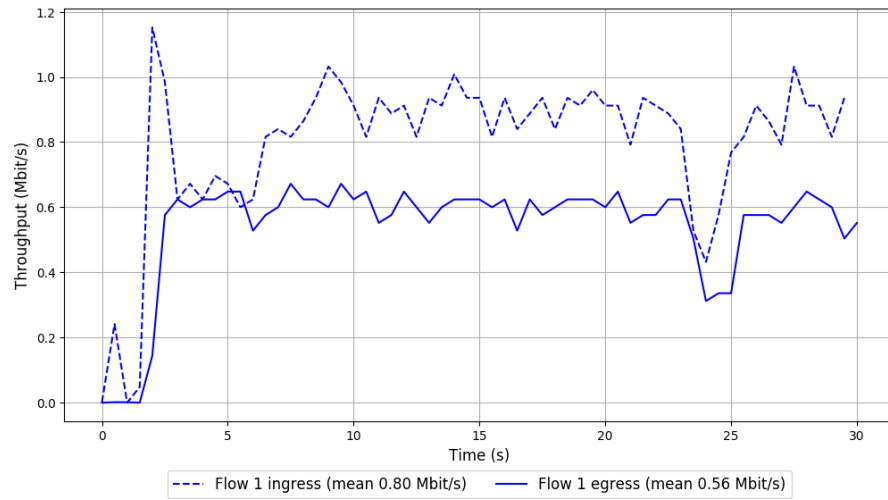


Run 7: Statistics of TCP Cubic

Start at: 2018-05-24 22:51:05
End at: 2018-05-24 22:51:35
Local clock offset: -0.832 ms
Remote clock offset: 11.343 ms

Below is generated by plot.py at 2018-05-24 23:48:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 8493.995 ms
Loss rate: 30.99%
-- Flow 1:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 8493.995 ms
Loss rate: 30.99%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-05-24 23:09:04

End at: 2018-05-24 23:09:34

Local clock offset: -5.461 ms

Remote clock offset: 7.389 ms

Below is generated by plot.py at 2018-05-24 23:48:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 7788.979 ms

Loss rate: 30.83%

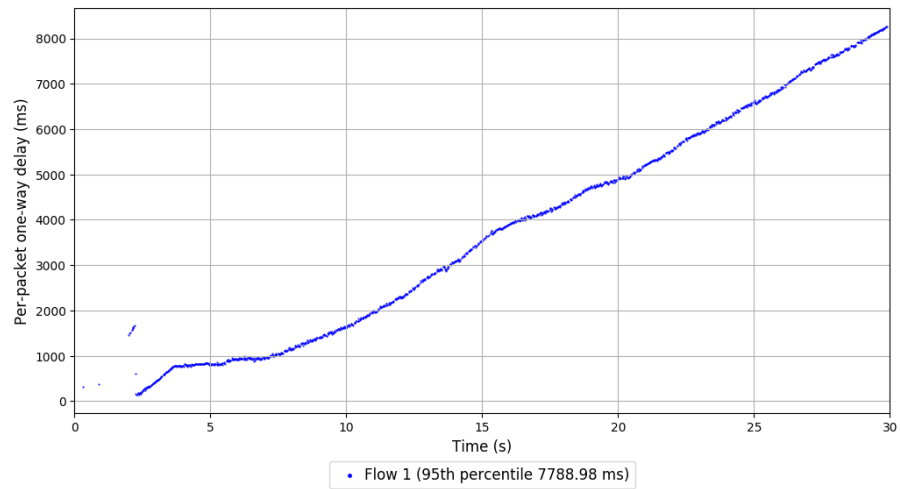
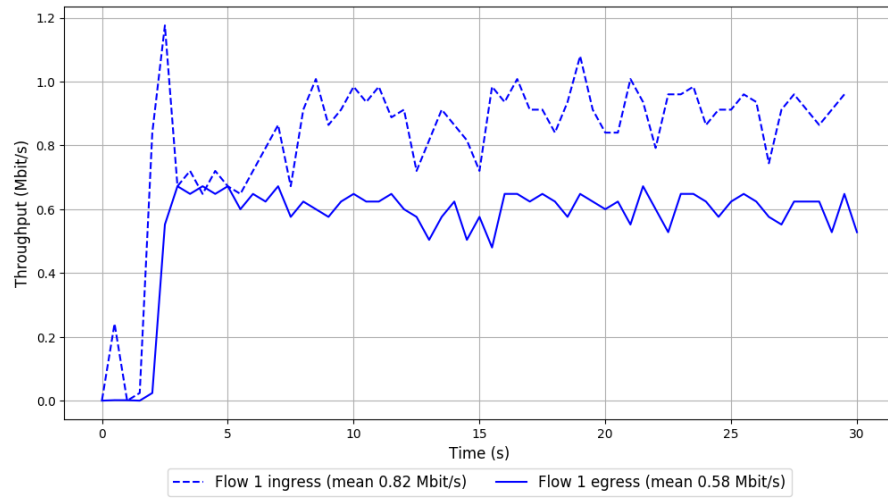
-- Flow 1:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 7788.979 ms

Loss rate: 30.83%

Run 8: Report of TCP Cubic — Data Link

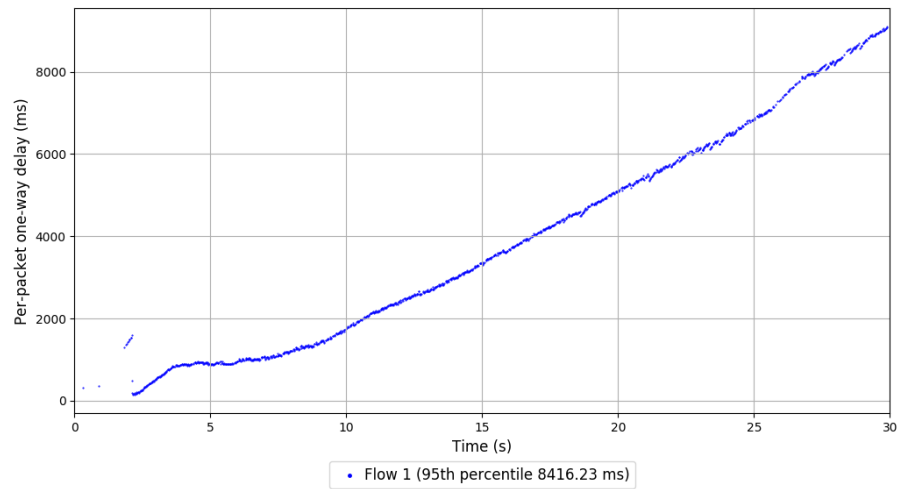
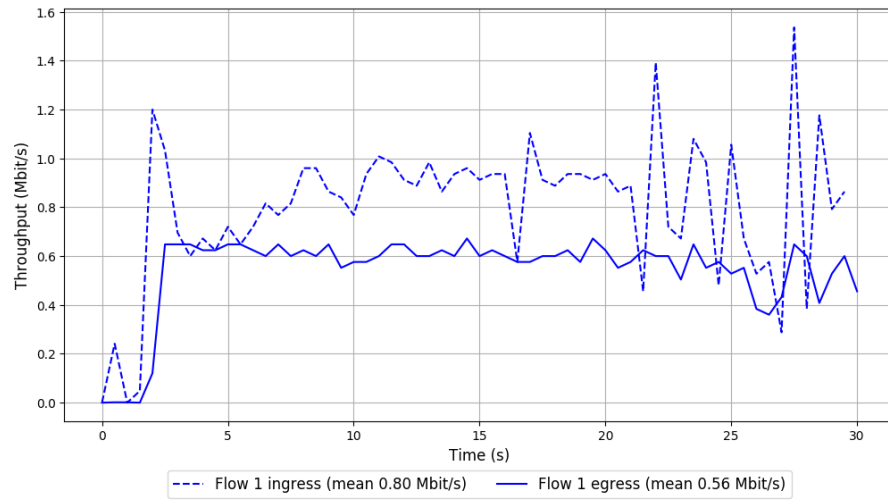


Run 9: Statistics of TCP Cubic

Start at: 2018-05-24 23:27:07
End at: 2018-05-24 23:27:37
Local clock offset: -6.687 ms
Remote clock offset: 10.477 ms

Below is generated by plot.py at 2018-05-24 23:48:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 8416.232 ms
Loss rate: 30.94%
-- Flow 1:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 8416.232 ms
Loss rate: 30.94%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-05-24 23:45:07

End at: 2018-05-24 23:45:37

Local clock offset: -1.636 ms

Remote clock offset: 9.395 ms

Below is generated by plot.py at 2018-05-24 23:48:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 7890.530 ms

Loss rate: 30.92%

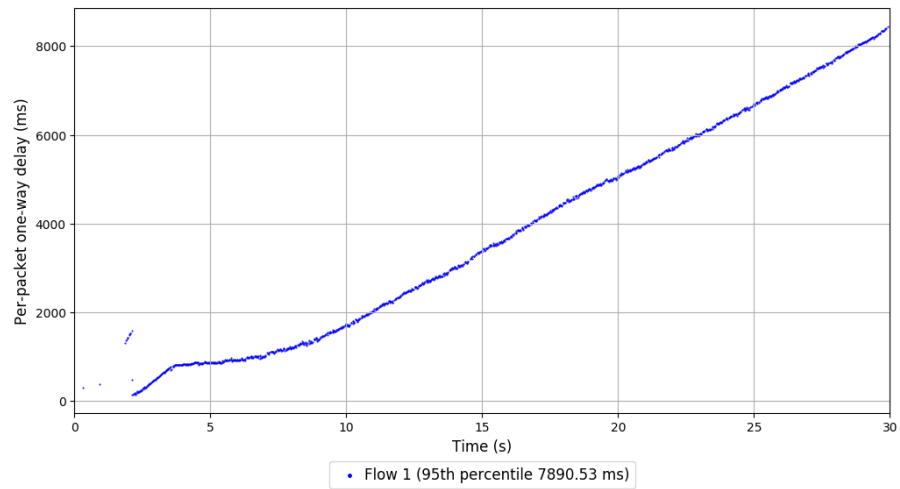
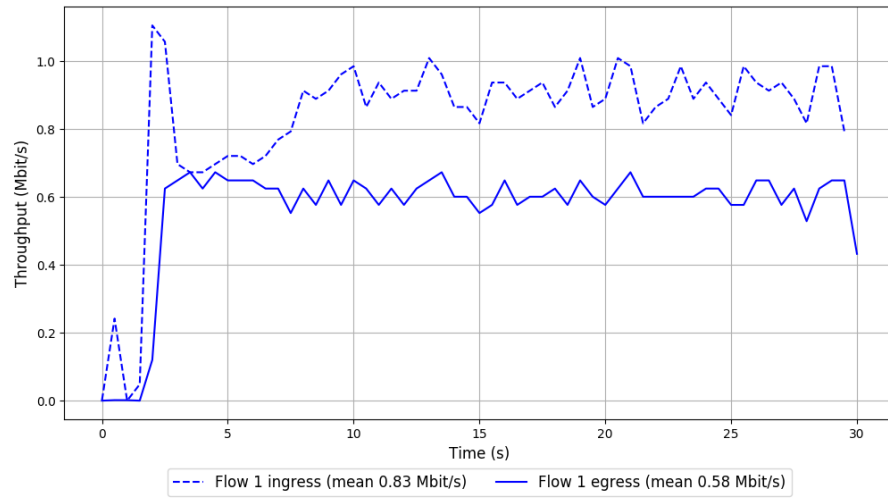
-- Flow 1:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 7890.530 ms

Loss rate: 30.92%

Run 10: Report of TCP Cubic — Data Link

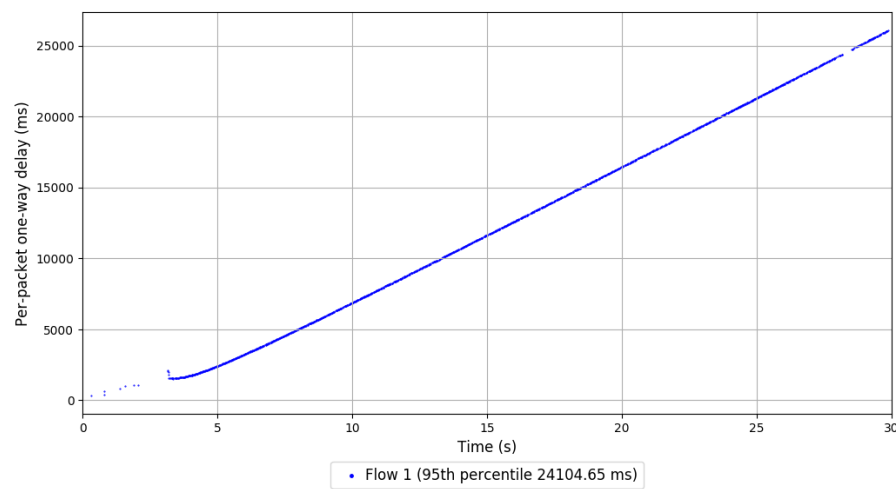
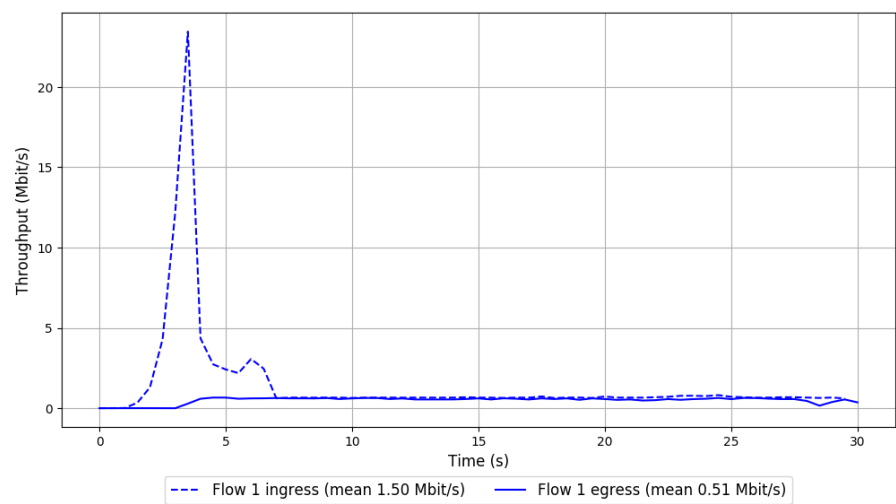


Run 1: Statistics of FillP

Start at: 2018-05-24 20:47:44
End at: 2018-05-24 20:48:14
Local clock offset: -2.691 ms
Remote clock offset: 12.342 ms

Below is generated by plot.py at 2018-05-24 23:48:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 24104.655 ms
Loss rate: 66.18%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 24104.655 ms
Loss rate: 66.18%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-05-24 21:05:47

End at: 2018-05-24 21:06:17

Local clock offset: -5.488 ms

Remote clock offset: 7.511 ms

Below is generated by plot.py at 2018-05-24 23:48:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 24985.167 ms

Loss rate: 64.60%

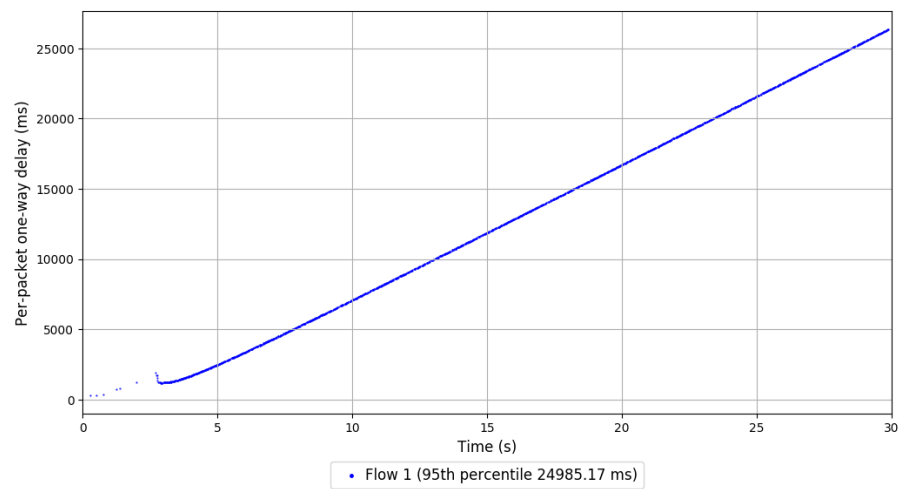
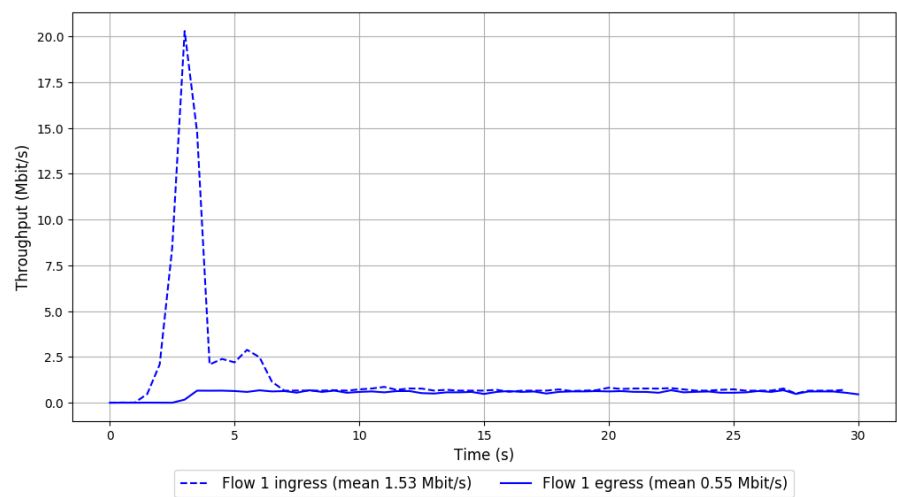
-- Flow 1:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 24985.167 ms

Loss rate: 64.60%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-05-24 21:23:51

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

Local clock offset: -7.688 ms

Remote clock offset: 7.044 ms

Below is generated by plot.py at 2018-05-24 23:48:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 25237.913 ms

Loss rate: 65.36%

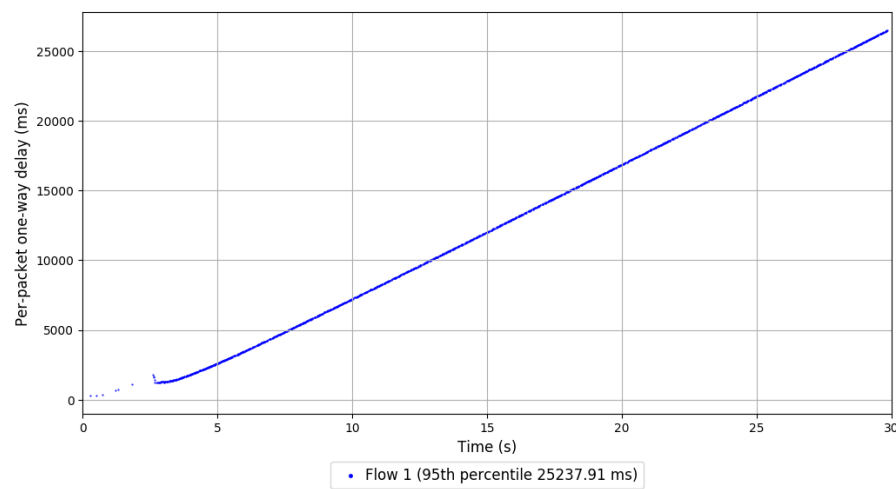
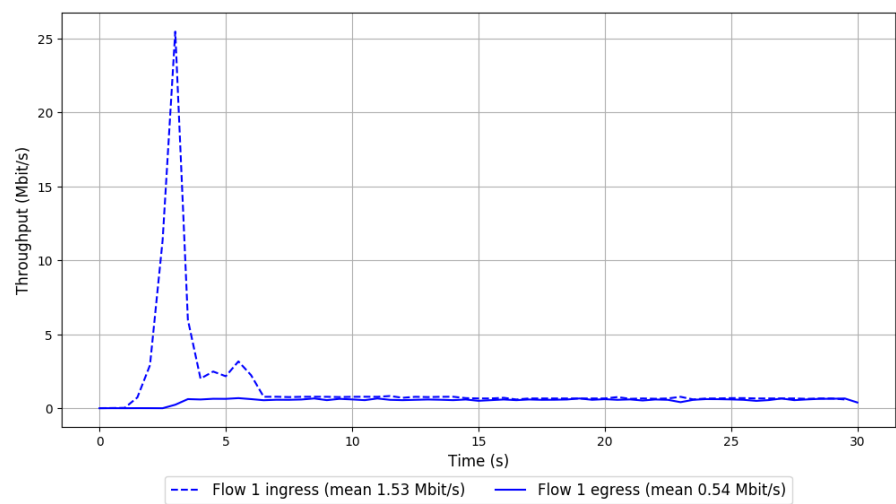
-- Flow 1:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 25237.913 ms

Loss rate: 65.36%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-05-24 21:42:09

End at: 2018-05-24 21:42:39

Local clock offset: -7.123 ms

Remote clock offset: 3.054 ms

Below is generated by plot.py at 2018-05-24 23:48:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 25077.425 ms

Loss rate: 72.40%

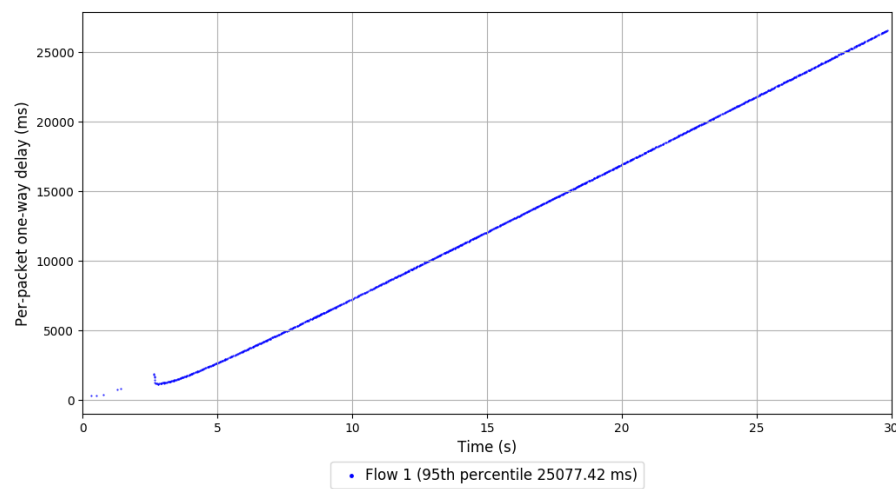
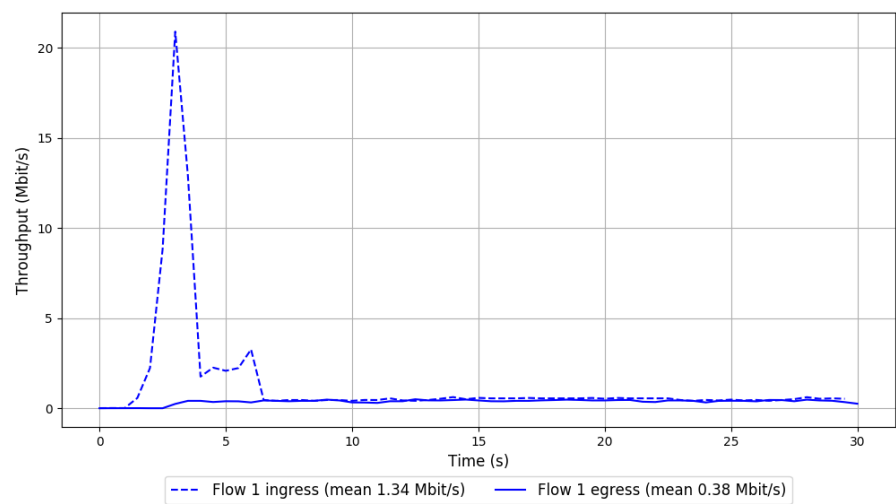
-- Flow 1:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 25077.425 ms

Loss rate: 72.40%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-05-24 22:00:54

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

Local clock offset: -6.345 ms

Remote clock offset: 2.987 ms

Below is generated by plot.py at 2018-05-24 23:48:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 22627.860 ms

Loss rate: 67.20%

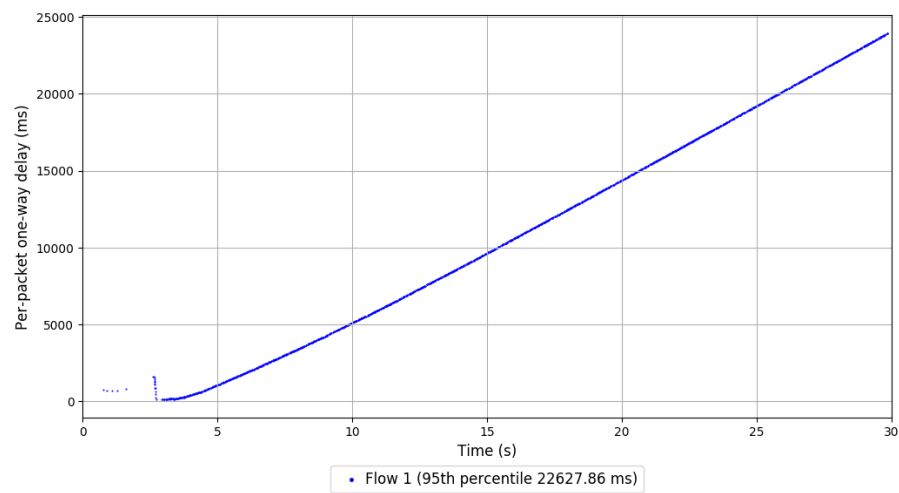
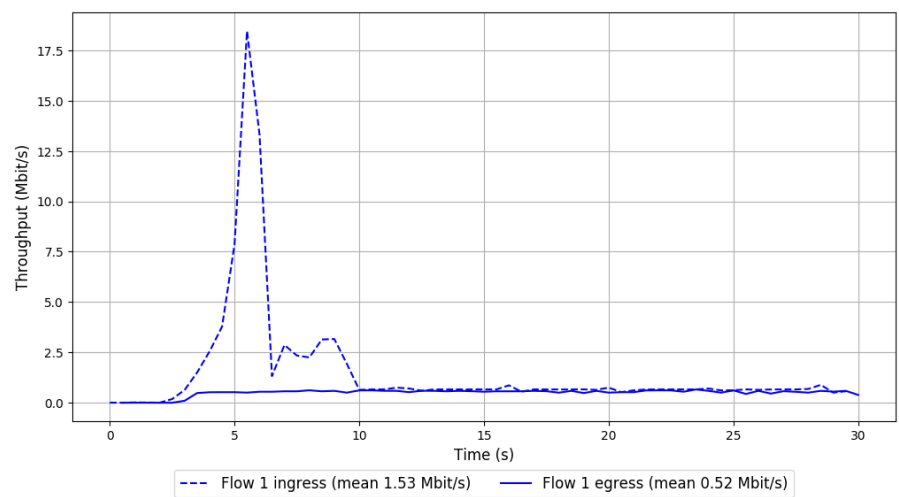
-- Flow 1:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 22627.860 ms

Loss rate: 67.20%

Run 5: Report of FillP — Data Link

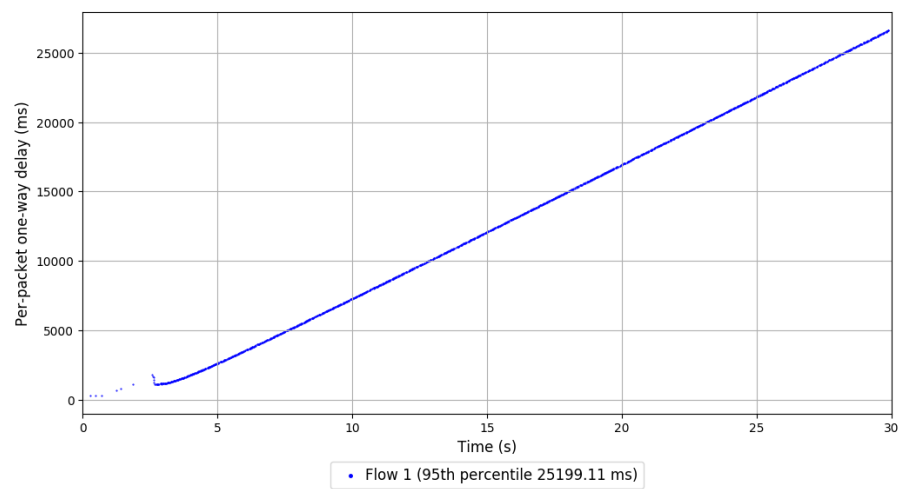
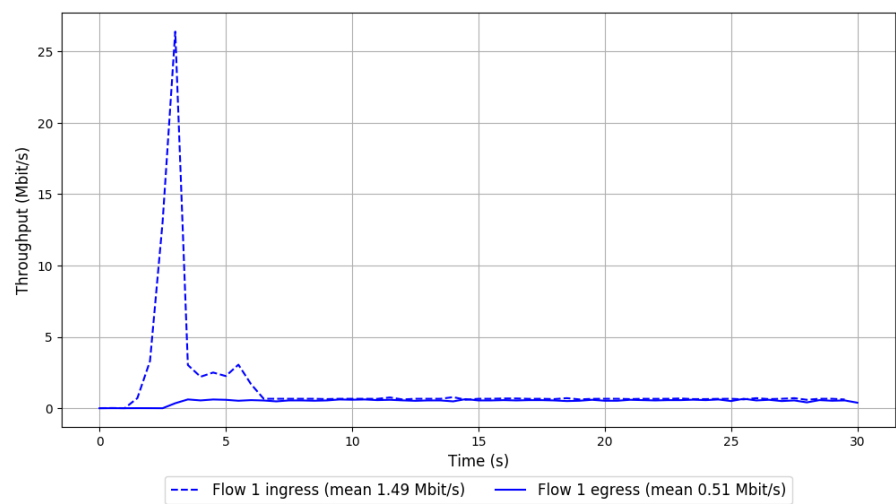


Run 6: Statistics of FillP

Start at: 2018-05-24 22:19:17
End at: 2018-05-24 22:19:47
Local clock offset: -7.931 ms
Remote clock offset: -3.138 ms

Below is generated by plot.py at 2018-05-24 23:48:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 25199.111 ms
Loss rate: 66.14%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 25199.111 ms
Loss rate: 66.14%

Run 6: Report of FillP — Data Link

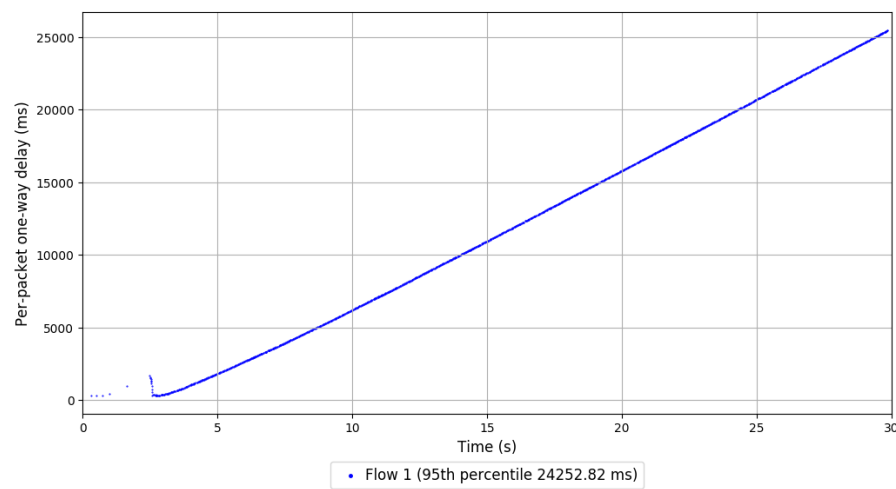
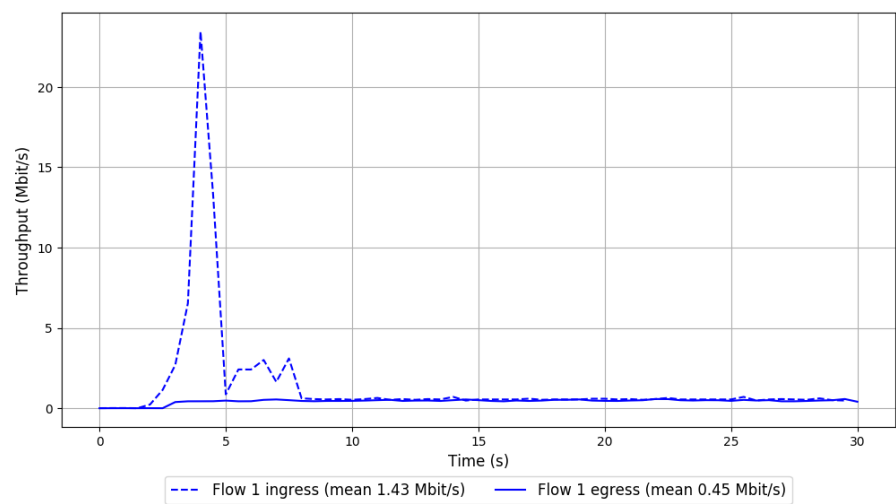


Run 7: Statistics of FillP

Start at: 2018-05-24 22:37:34
End at: 2018-05-24 22:38:04
Local clock offset: -3.262 ms
Remote clock offset: 13.078 ms

Below is generated by plot.py at 2018-05-24 23:48:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 24252.817 ms
Loss rate: 69.11%
-- Flow 1:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 24252.817 ms
Loss rate: 69.11%

Run 7: Report of FillP — Data Link

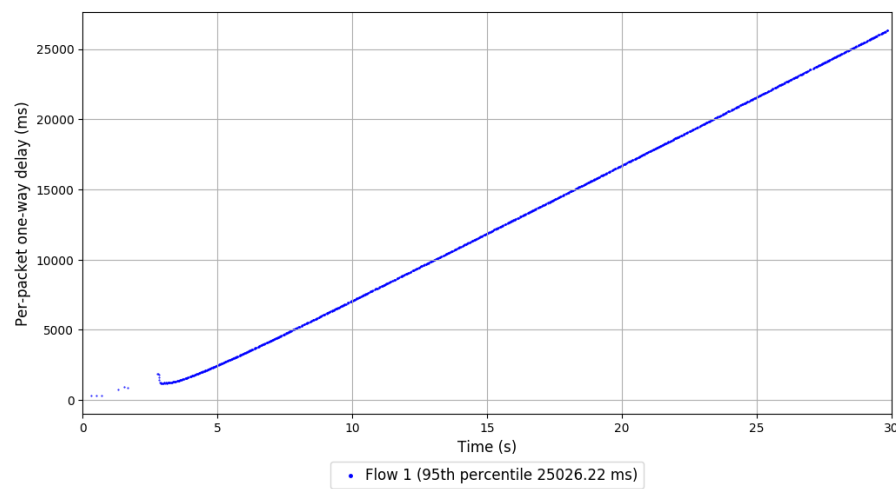
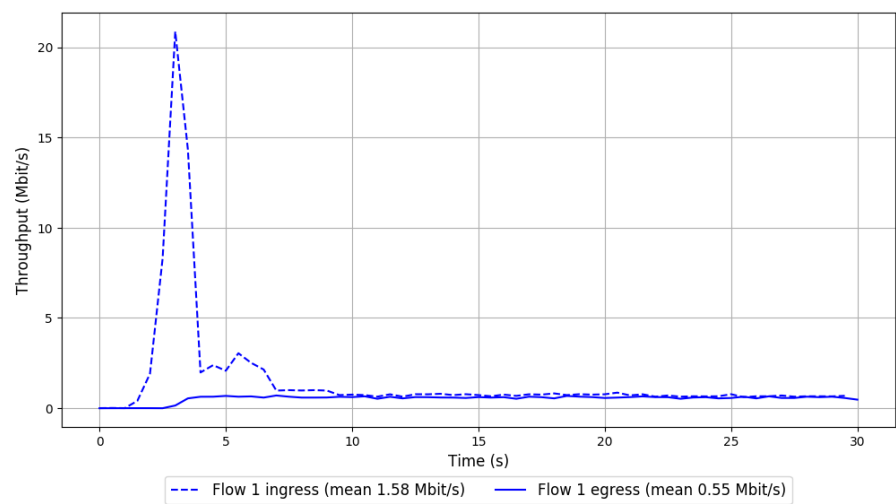


Run 8: Statistics of FillP

Start at: 2018-05-24 22:55:36
End at: 2018-05-24 22:56:06
Local clock offset: -1.287 ms
Remote clock offset: 13.227 ms

Below is generated by plot.py at 2018-05-24 23:48:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 25026.222 ms
Loss rate: 65.26%
-- Flow 1:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 25026.222 ms
Loss rate: 65.26%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-05-24 23:13:34

End at: 2018-05-24 23:14:04

Local clock offset: -6.015 ms

Remote clock offset: 5.982 ms

Below is generated by plot.py at 2018-05-24 23:48:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.56 Mbit/s

95th percentile per-packet one-way delay: 25077.187 ms

Loss rate: 64.96%

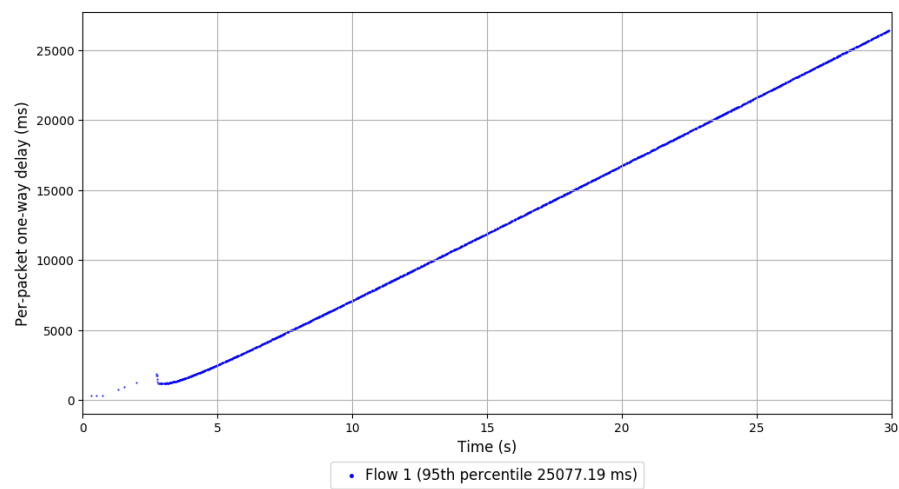
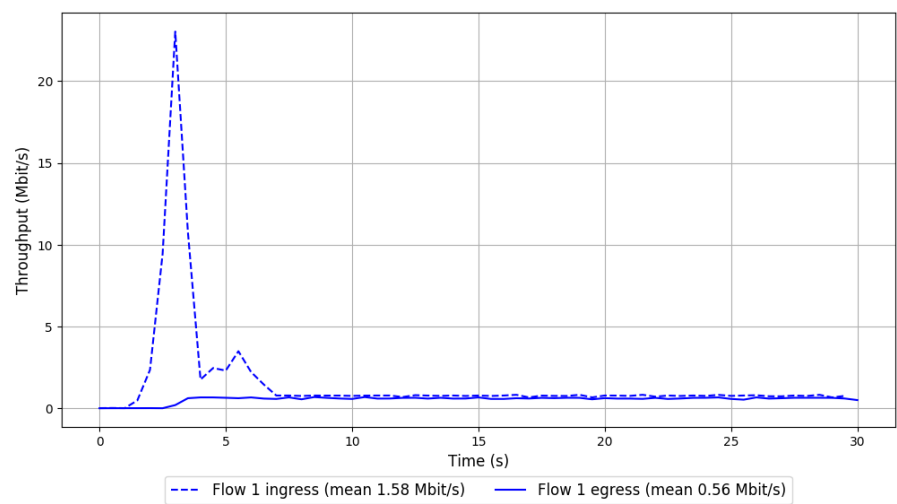
-- Flow 1:

Average throughput: 0.56 Mbit/s

95th percentile per-packet one-way delay: 25077.187 ms

Loss rate: 64.96%

Run 9: Report of FillP — Data Link

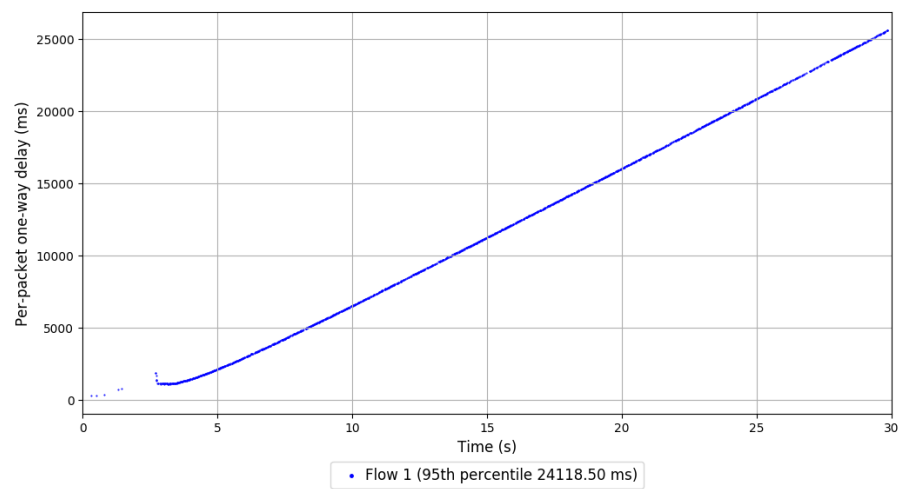
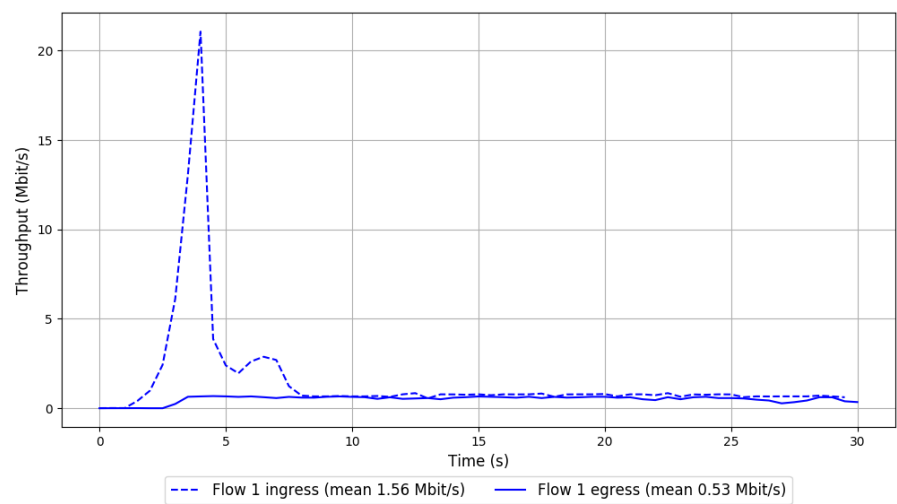


Run 10: Statistics of FillP

Start at: 2018-05-24 23:31:37
End at: 2018-05-24 23:32:07
Local clock offset: -4.21 ms
Remote clock offset: 10.283 ms

Below is generated by plot.py at 2018-05-24 23:48:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 24118.503 ms
Loss rate: 66.60%
-- Flow 1:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 24118.503 ms
Loss rate: 66.60%

Run 10: Report of FillP — Data Link

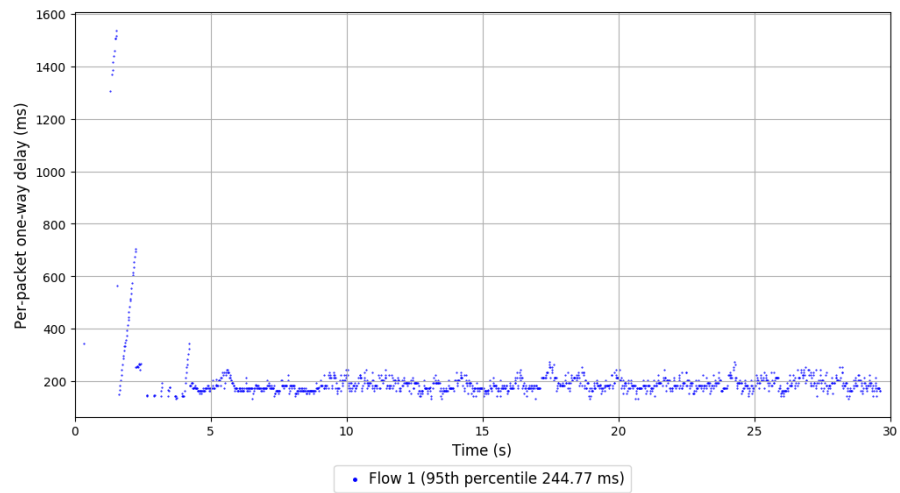
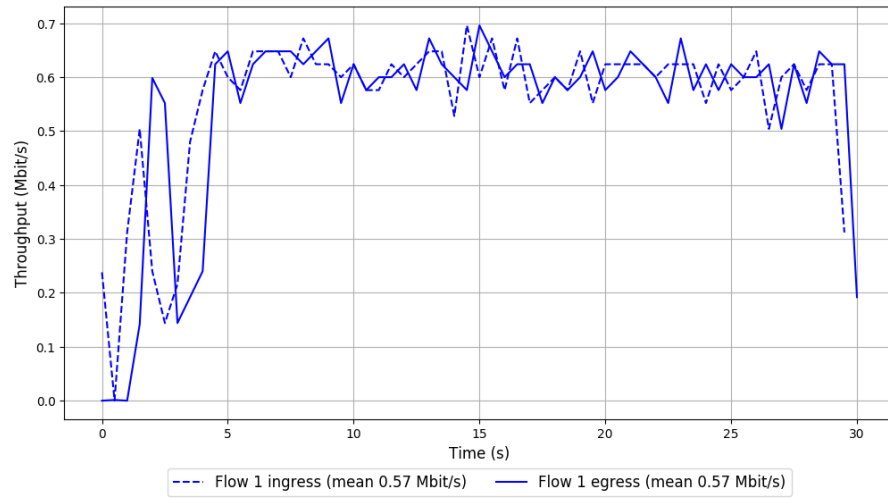


Run 1: Statistics of Indigo

Start at: 2018-05-24 20:52:16
End at: 2018-05-24 20:52:46
Local clock offset: -0.753 ms
Remote clock offset: 11.289 ms

Below is generated by plot.py at 2018-05-24 23:48:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 244.768 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 244.768 ms
Loss rate: 1.00%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-05-24 21:10:17

End at: 2018-05-24 21:10:47

Local clock offset: -6.309 ms

Remote clock offset: 6.425 ms

Below is generated by plot.py at 2018-05-24 23:48:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 314.376 ms

Loss rate: 0.91%

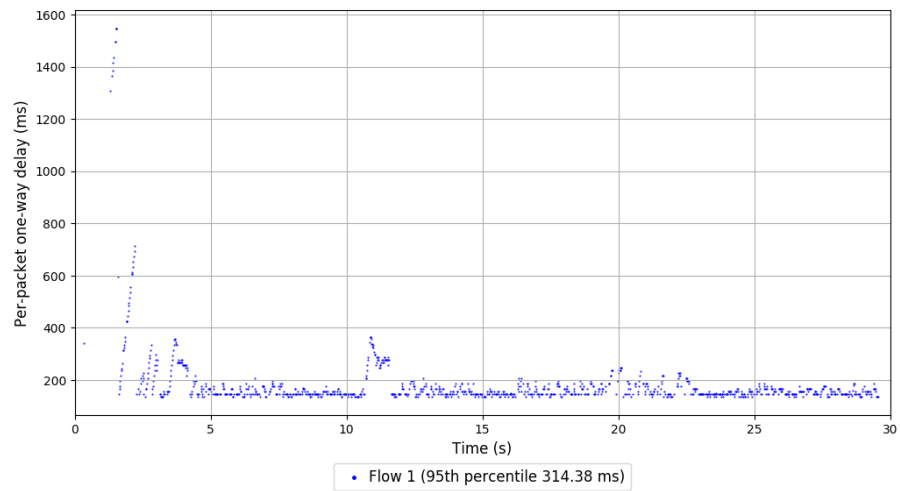
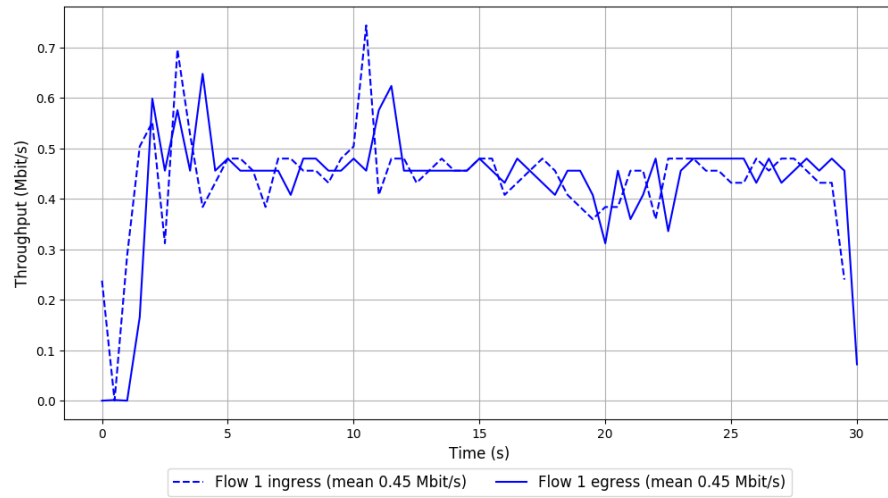
-- Flow 1:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 314.376 ms

Loss rate: 0.91%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

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

End at: 2018-05-24 21:28:54

Local clock offset: -8.391 ms

Remote clock offset: 1.582 ms

Below is generated by plot.py at 2018-05-24 23:48:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 333.036 ms

Loss rate: 0.69%

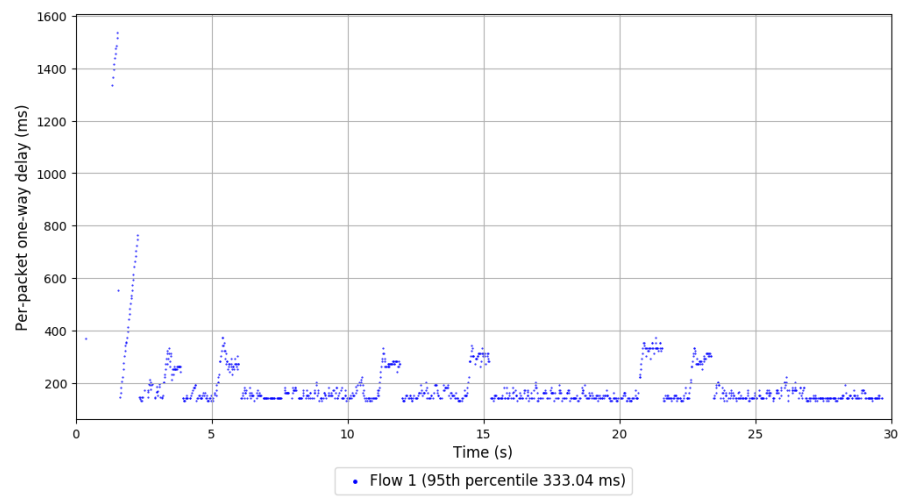
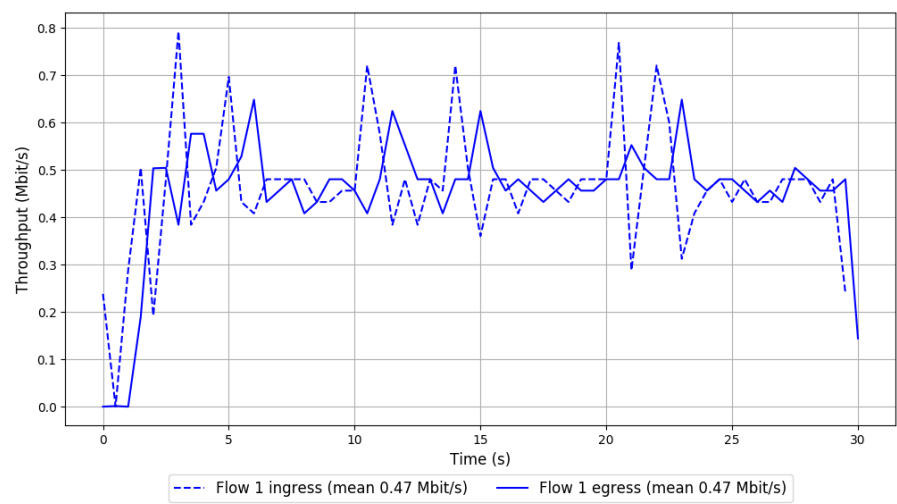
-- Flow 1:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 333.036 ms

Loss rate: 0.69%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-05-24 21:46:56

End at: 2018-05-24 21:47:26

Local clock offset: -7.215 ms

Remote clock offset: 2.728 ms

Below is generated by plot.py at 2018-05-24 23:48:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 395.214 ms

Loss rate: 1.00%

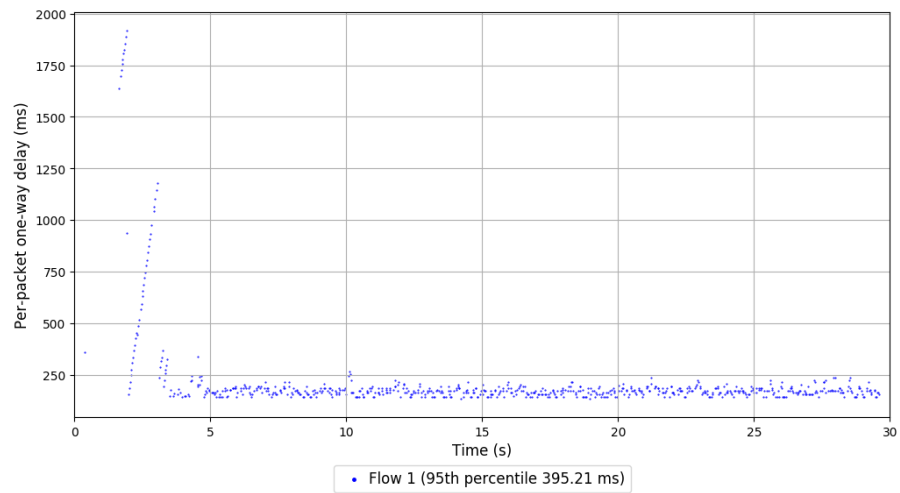
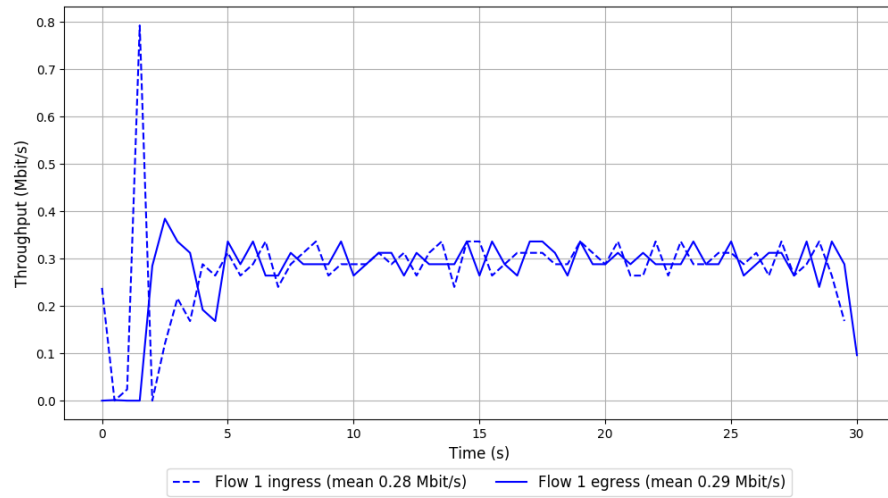
-- Flow 1:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 395.214 ms

Loss rate: 1.00%

Run 4: Report of Indigo — Data Link

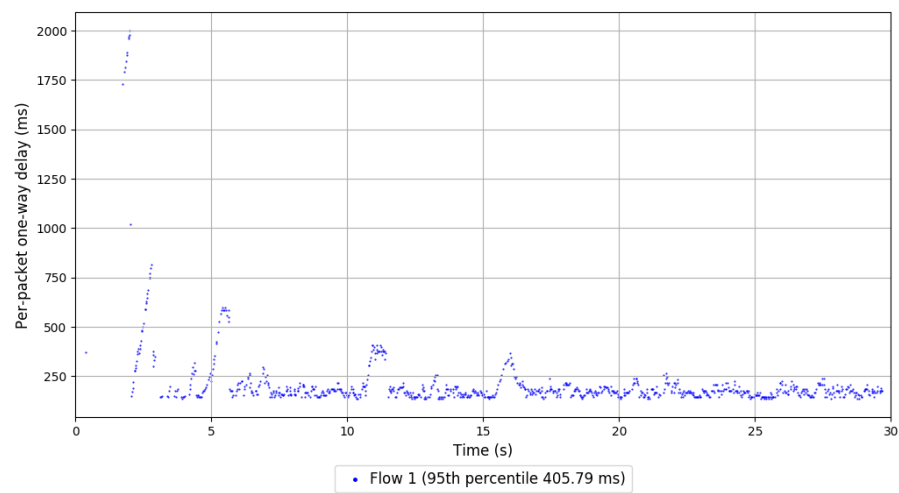
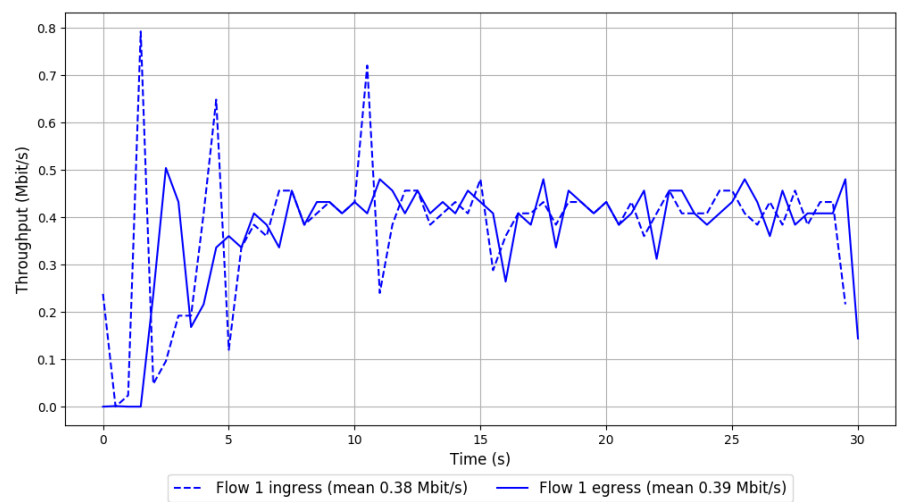


Run 5: Statistics of Indigo

Start at: 2018-05-24 22:05:32
End at: 2018-05-24 22:06:02
Local clock offset: -7.028 ms
Remote clock offset: -2.873 ms

Below is generated by plot.py at 2018-05-24 23:48:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 405.790 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 405.790 ms
Loss rate: 0.84%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-05-24 22:23:52

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

Local clock offset: -6.398 ms

Remote clock offset: 2.067 ms

Below is generated by plot.py at 2018-05-24 23:48:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 338.884 ms

Loss rate: 1.58%

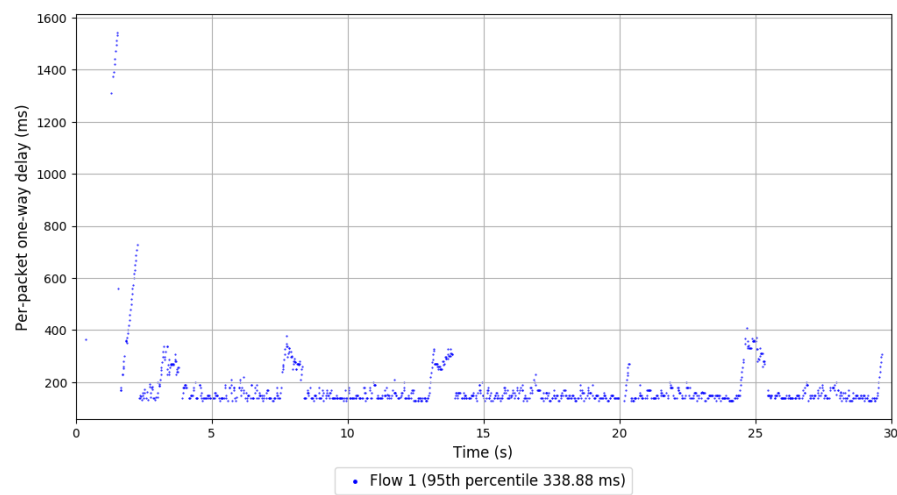
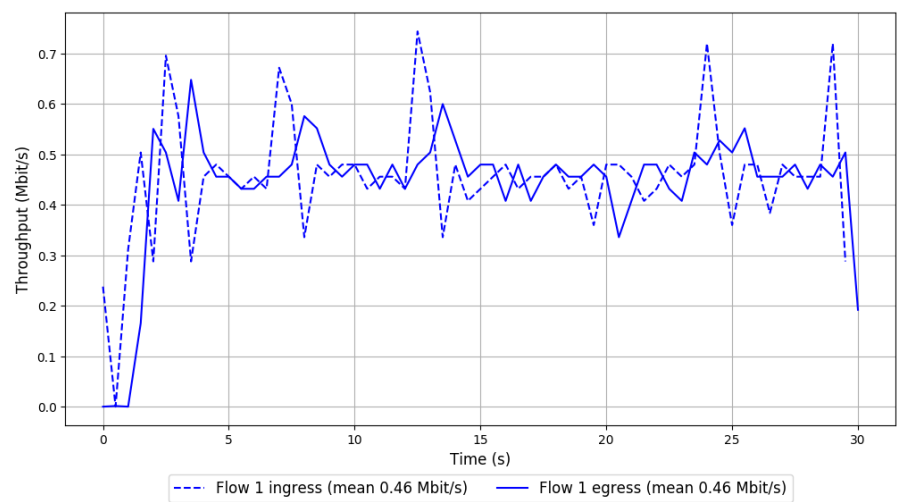
-- Flow 1:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 338.884 ms

Loss rate: 1.58%

Run 6: Report of Indigo — Data Link

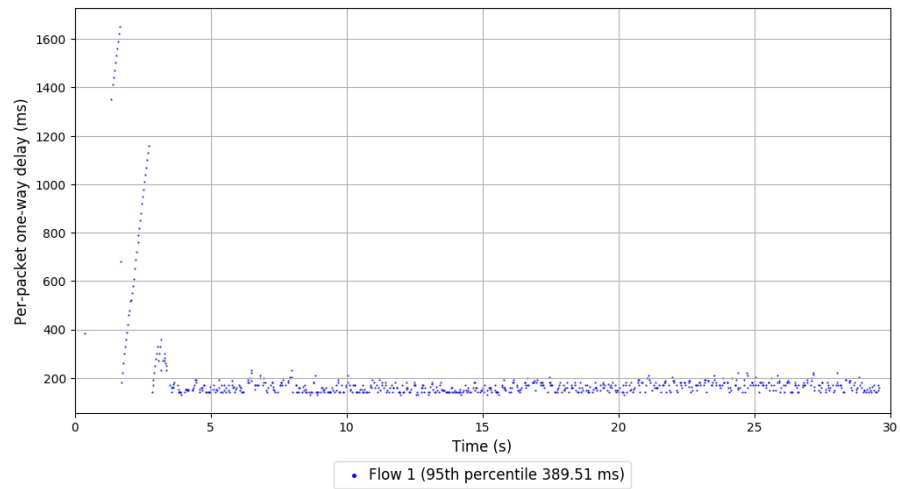
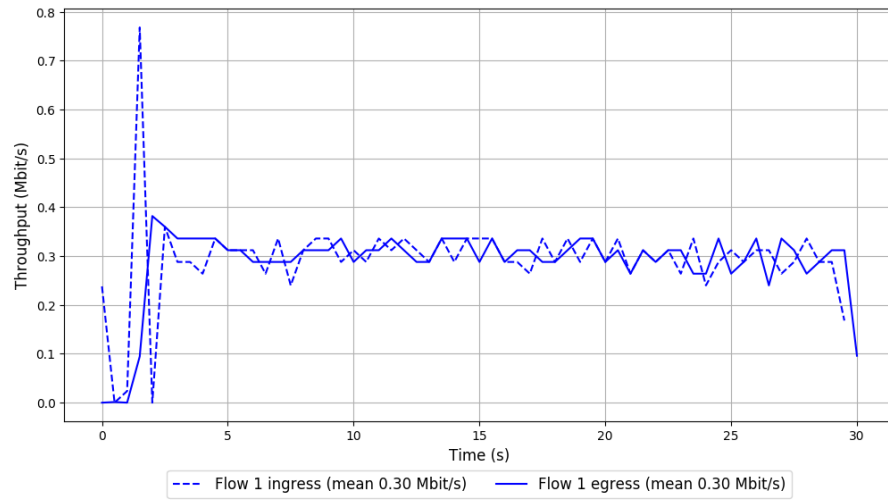


Run 7: Statistics of Indigo

Start at: 2018-05-24 22:42:07
End at: 2018-05-24 22:42:37
Local clock offset: -2.52 ms
Remote clock offset: 13.913 ms

Below is generated by plot.py at 2018-05-24 23:48:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 389.509 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 389.509 ms
Loss rate: 0.95%

Run 7: Report of Indigo — Data Link

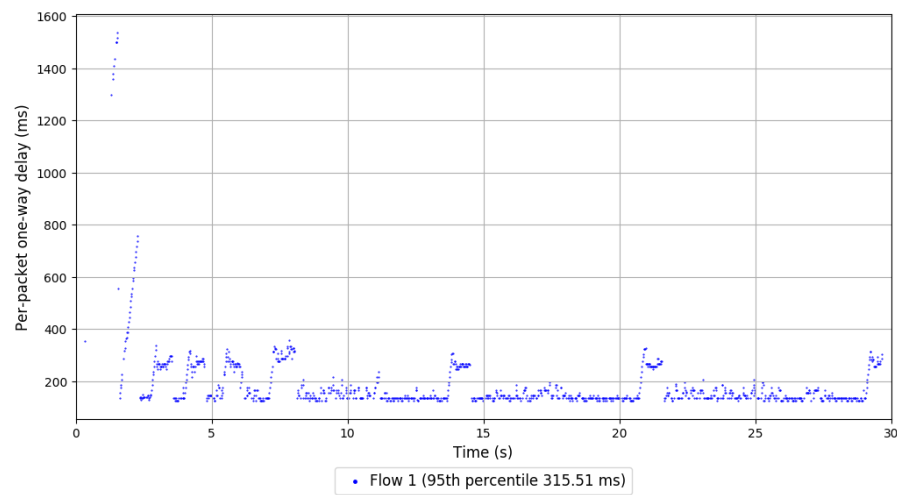
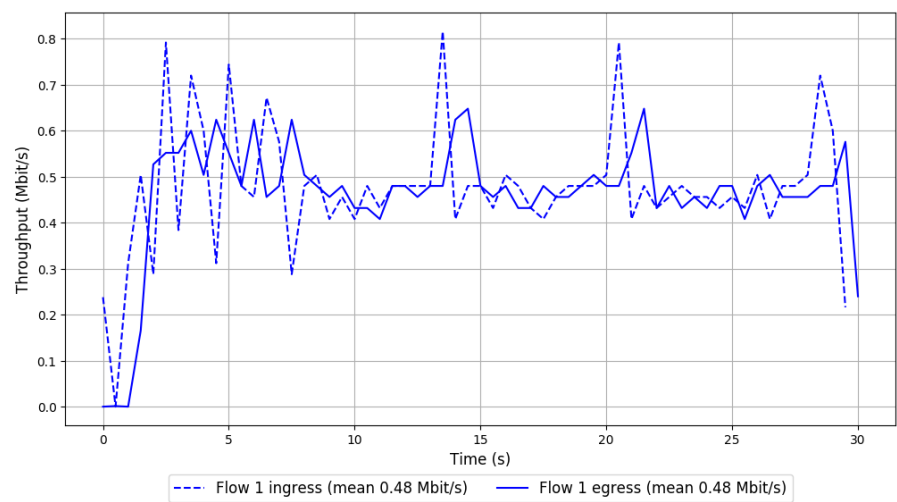


Run 8: Statistics of Indigo

Start at: 2018-05-24 23:00:06
End at: 2018-05-24 23:00:36
Local clock offset: -4.116 ms
Remote clock offset: 14.917 ms

Below is generated by plot.py at 2018-05-24 23:48:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 315.511 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 315.511 ms
Loss rate: 1.26%

Run 8: Report of Indigo — Data Link

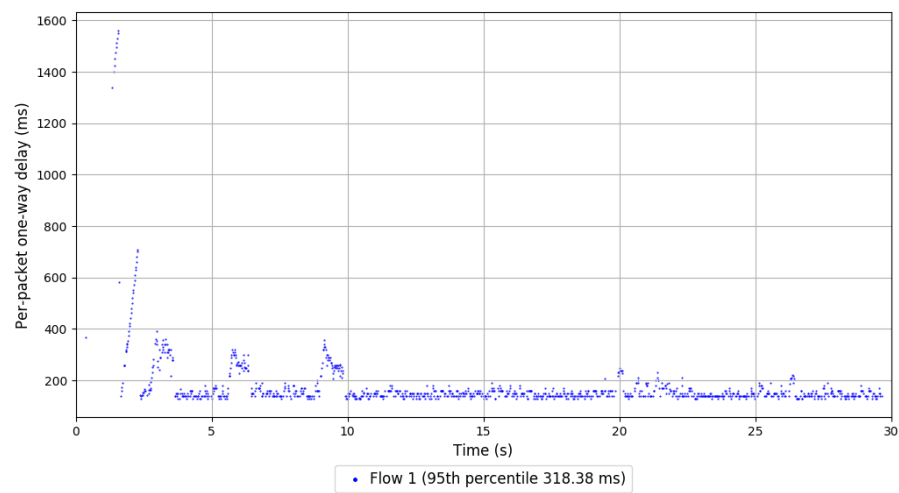
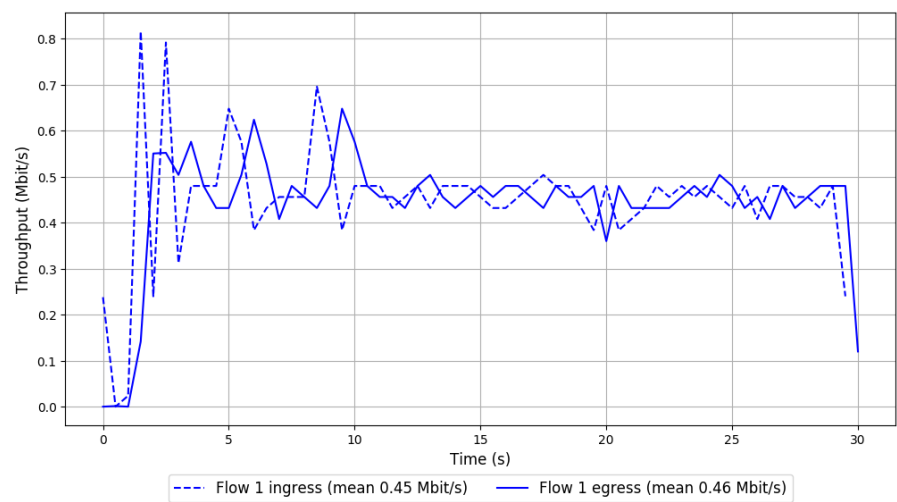


Run 9: Statistics of Indigo

Start at: 2018-05-24 23:18:07
End at: 2018-05-24 23:18:37
Local clock offset: -5.59 ms
Remote clock offset: 10.439 ms

Below is generated by plot.py at 2018-05-24 23:48:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 318.376 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 318.376 ms
Loss rate: 0.80%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-05-24 23:36:09

End at: 2018-05-24 23:36:39

Local clock offset: -2.951 ms

Remote clock offset: 5.312 ms

Below is generated by plot.py at 2018-05-24 23:48:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 282.247 ms

Loss rate: 0.71%

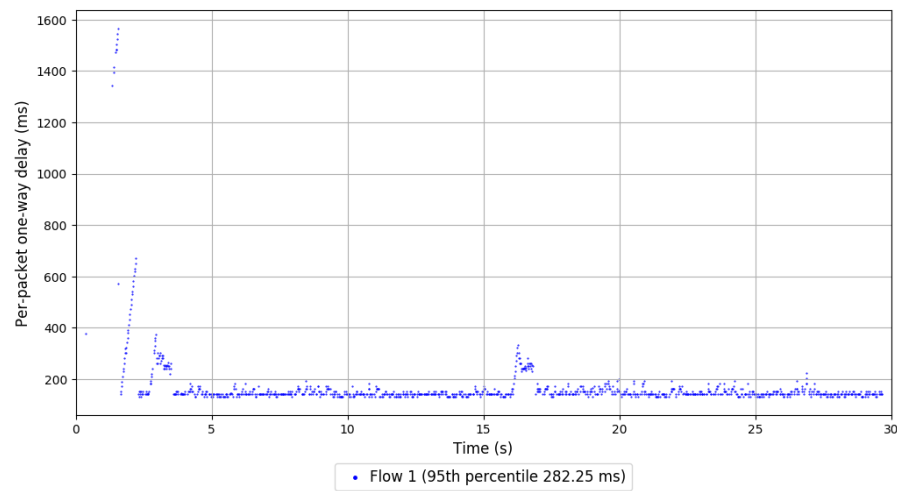
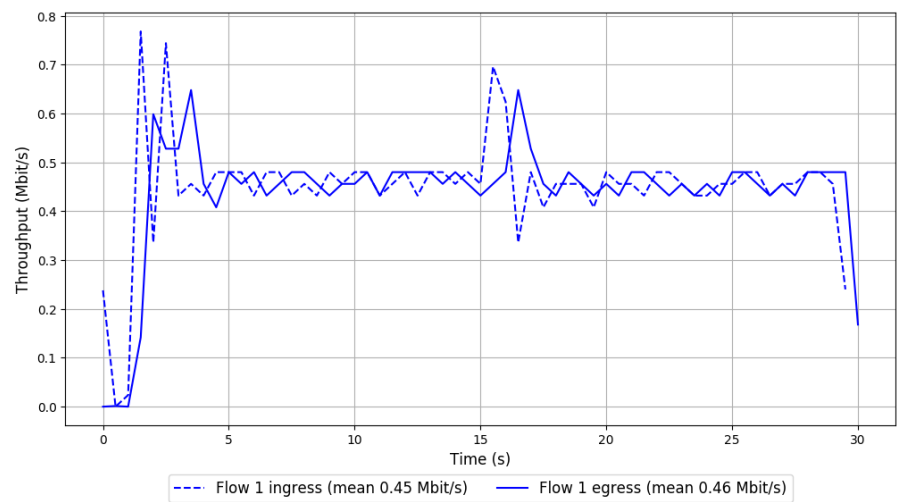
-- Flow 1:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 282.247 ms

Loss rate: 0.71%

Run 10: Report of Indigo — Data Link

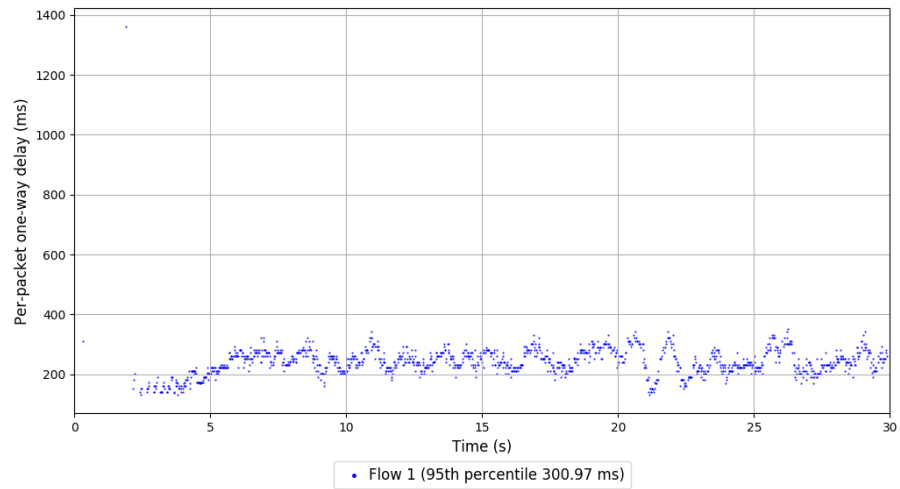
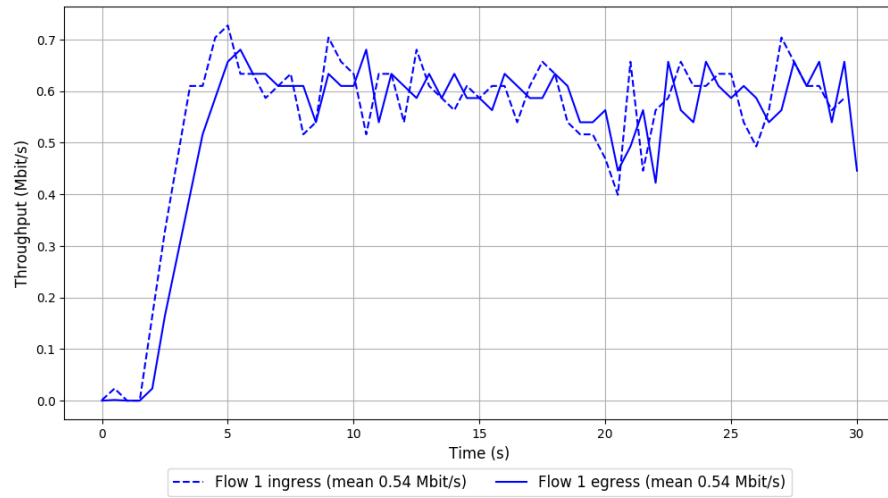


Run 1: Statistics of LEDBAT

Start at: 2018-05-24 20:54:30
End at: 2018-05-24 20:55:00
Local clock offset: -1.417 ms
Remote clock offset: 10.022 ms

Below is generated by plot.py at 2018-05-24 23:48:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 300.967 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 300.967 ms
Loss rate: 1.30%

Run 1: Report of LEDBAT — Data Link

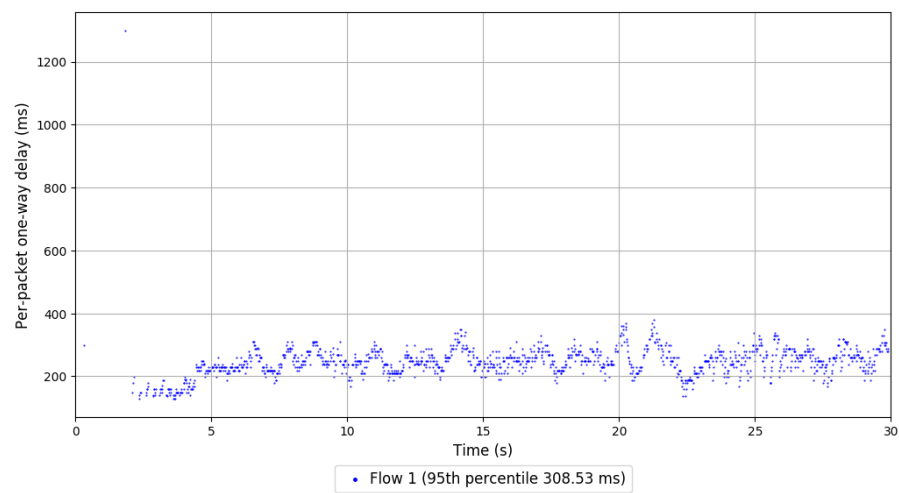
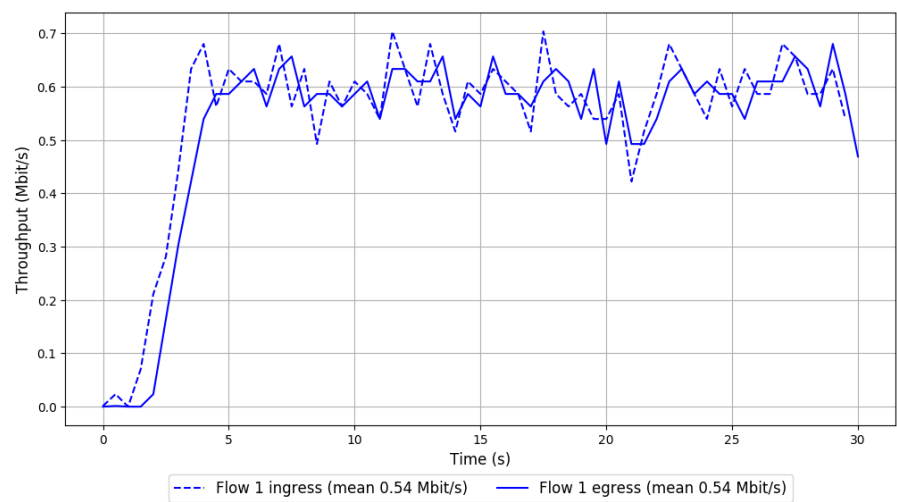


Run 2: Statistics of LEDBAT

Start at: 2018-05-24 21:12:31
End at: 2018-05-24 21:13:01
Local clock offset: -6.644 ms
Remote clock offset: 11.058 ms

Below is generated by plot.py at 2018-05-24 23:48:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 308.530 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 308.530 ms
Loss rate: 1.22%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-05-24 21:30:38

End at: 2018-05-24 21:31:08

Local clock offset: -7.379 ms

Remote clock offset: 1.31 ms

Below is generated by plot.py at 2018-05-24 23:48:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 301.790 ms

Loss rate: 1.30%

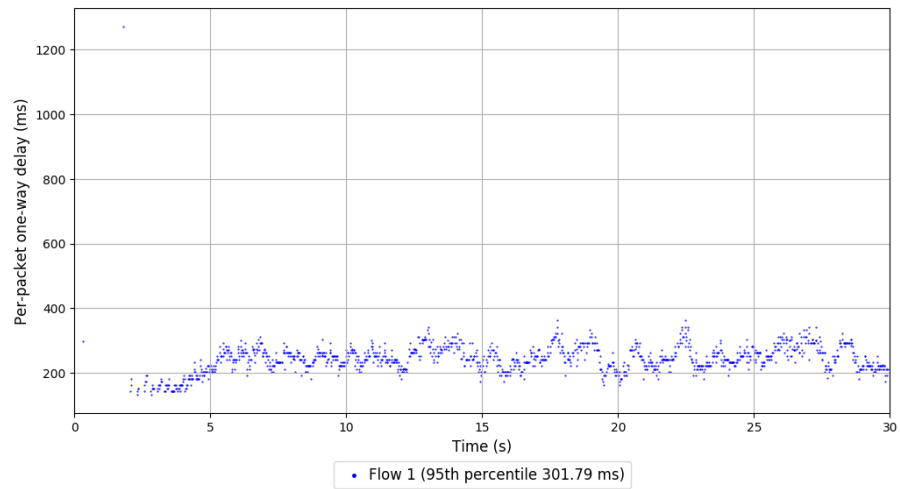
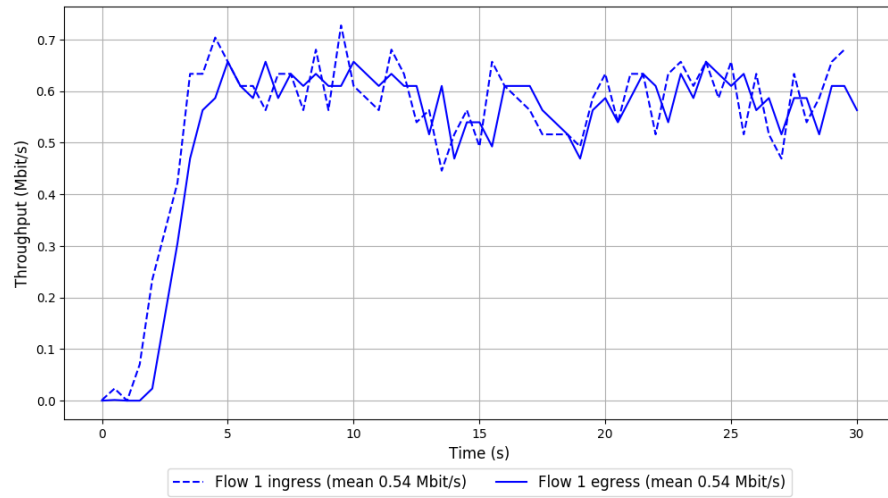
-- Flow 1:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 301.790 ms

Loss rate: 1.30%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-05-24 21:49:10

End at: 2018-05-24 21:49:40

Local clock offset: -6.419 ms

Remote clock offset: 3.977 ms

Below is generated by plot.py at 2018-05-24 23:48:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 339.725 ms

Loss rate: 1.18%

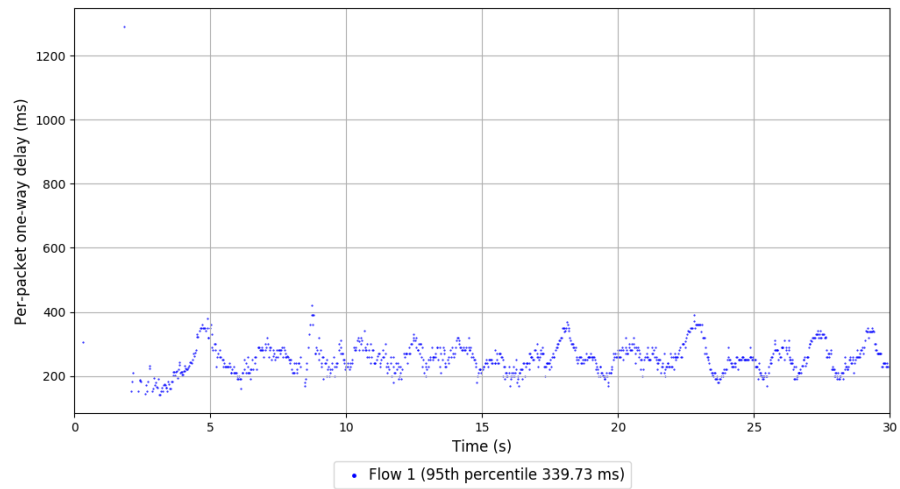
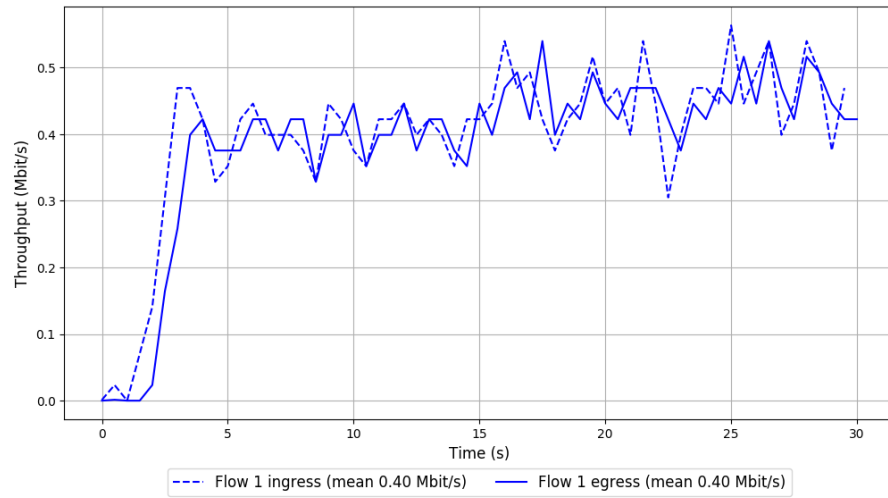
-- Flow 1:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 339.725 ms

Loss rate: 1.18%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-05-24 22:07:46

End at: 2018-05-24 22:08:16

Local clock offset: -6.321 ms

Remote clock offset: 2.482 ms

Below is generated by plot.py at 2018-05-24 23:48:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 325.610 ms

Loss rate: 1.02%

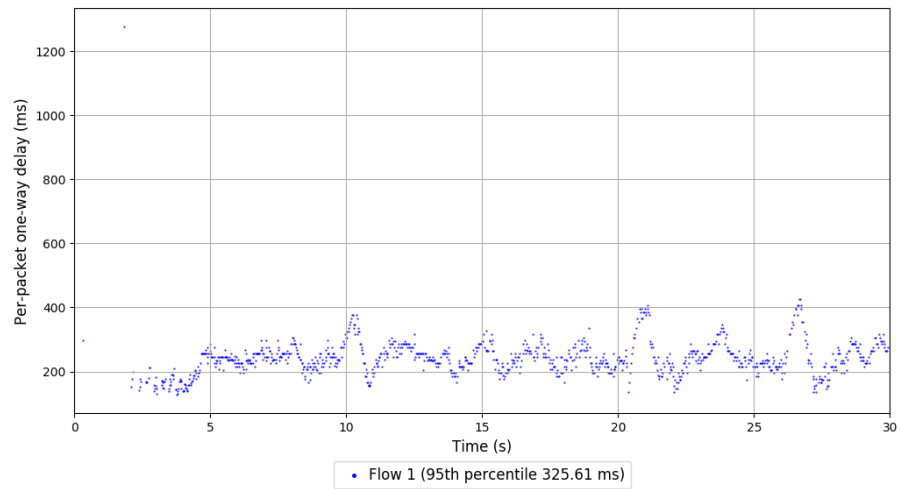
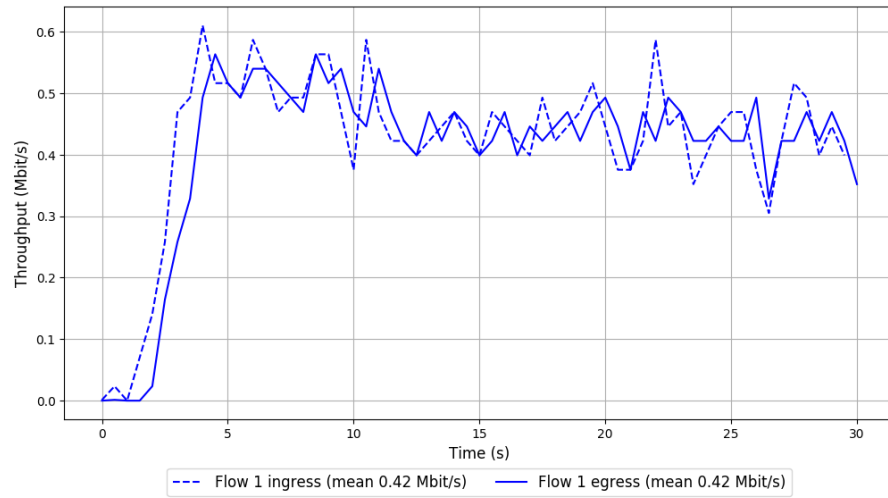
-- Flow 1:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 325.610 ms

Loss rate: 1.02%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-05-24 22:26:07

End at: 2018-05-24 22:26:37

Local clock offset: -7.019 ms

Remote clock offset: 5.386 ms

Below is generated by plot.py at 2018-05-24 23:48:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 302.450 ms

Loss rate: 1.20%

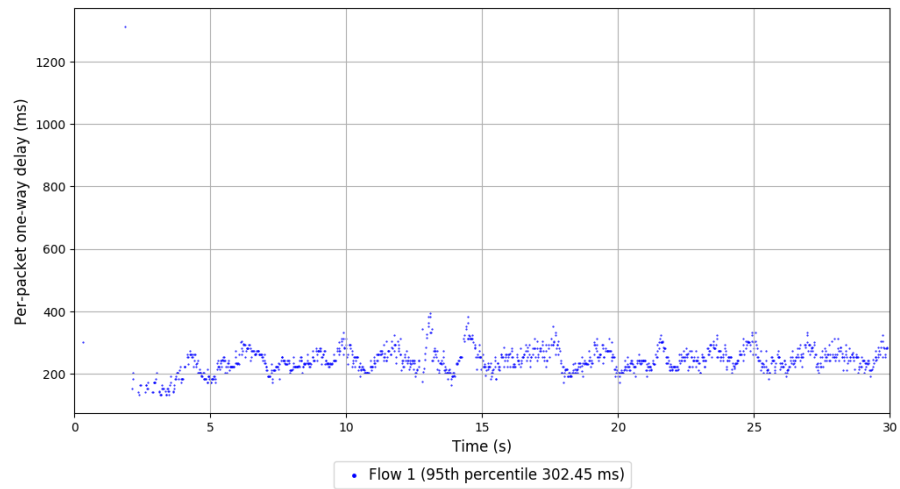
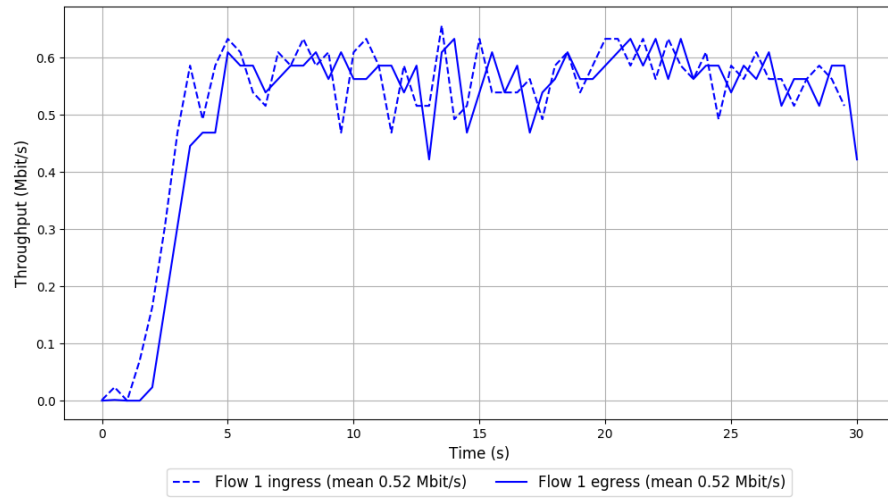
-- Flow 1:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 302.450 ms

Loss rate: 1.20%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-05-24 22:44:22

End at: 2018-05-24 22:44:52

Local clock offset: -2.227 ms

Remote clock offset: 9.73 ms

Below is generated by plot.py at 2018-05-24 23:48:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 361.522 ms

Loss rate: 1.31%

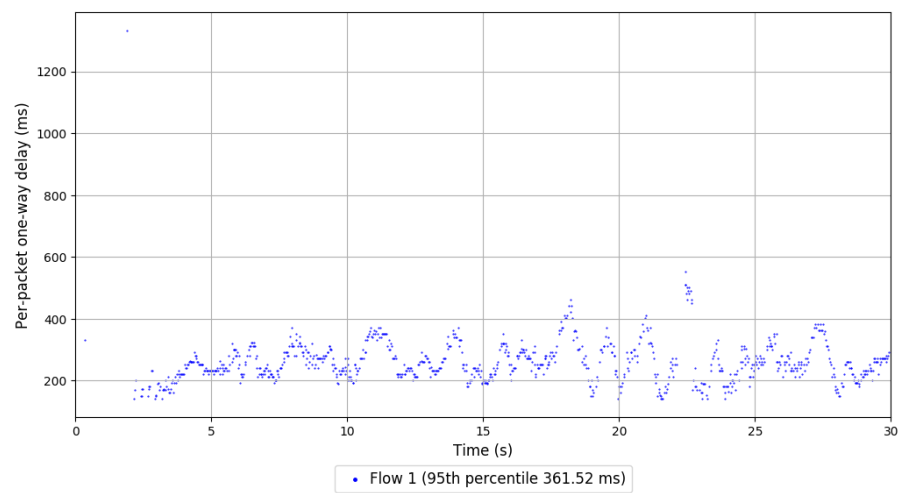
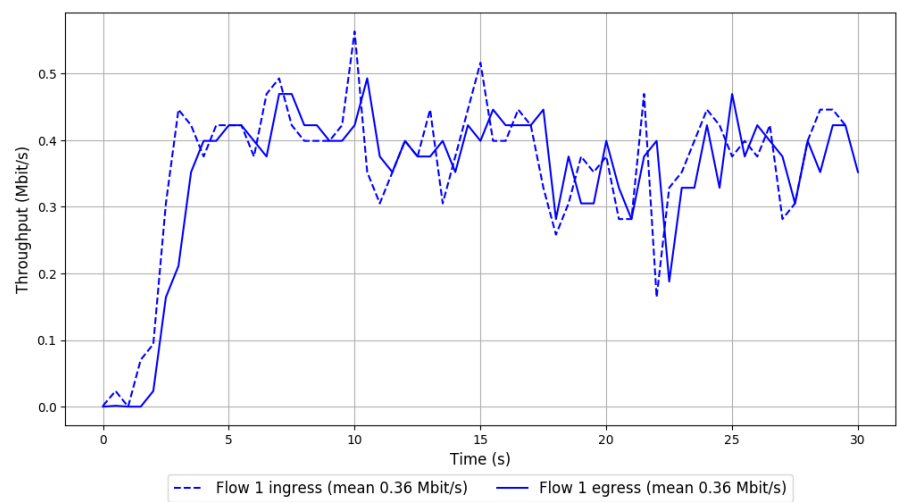
-- Flow 1:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 361.522 ms

Loss rate: 1.31%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-05-24 23:02:21

End at: 2018-05-24 23:02:51

Local clock offset: -4.911 ms

Remote clock offset: 8.357 ms

Below is generated by plot.py at 2018-05-24 23:48:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 295.201 ms

Loss rate: 1.07%

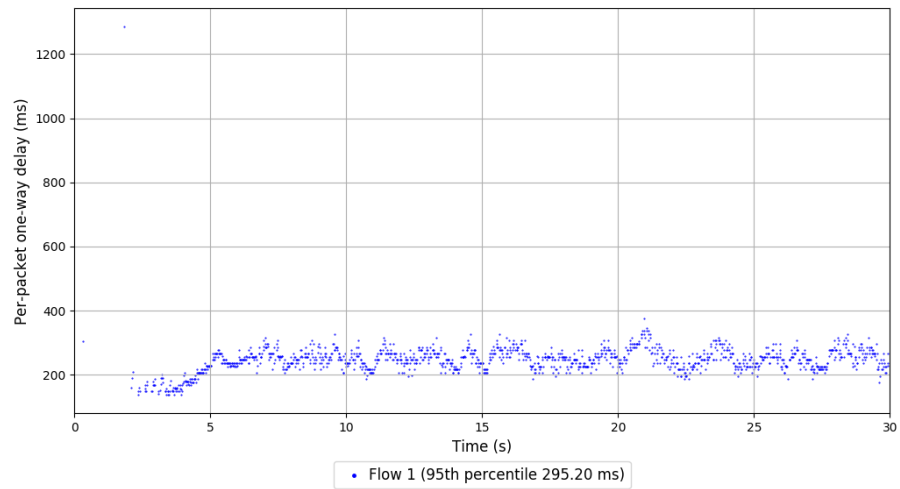
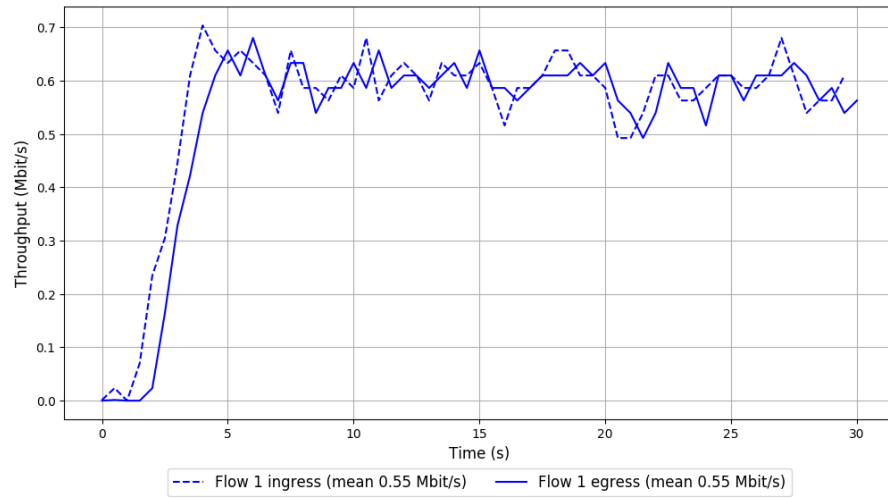
-- Flow 1:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 295.201 ms

Loss rate: 1.07%

Run 8: Report of LEDBAT — Data Link

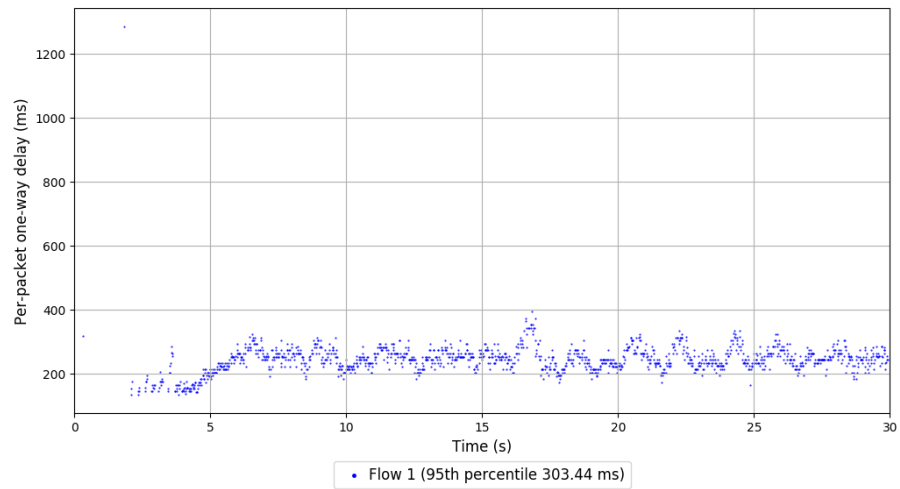
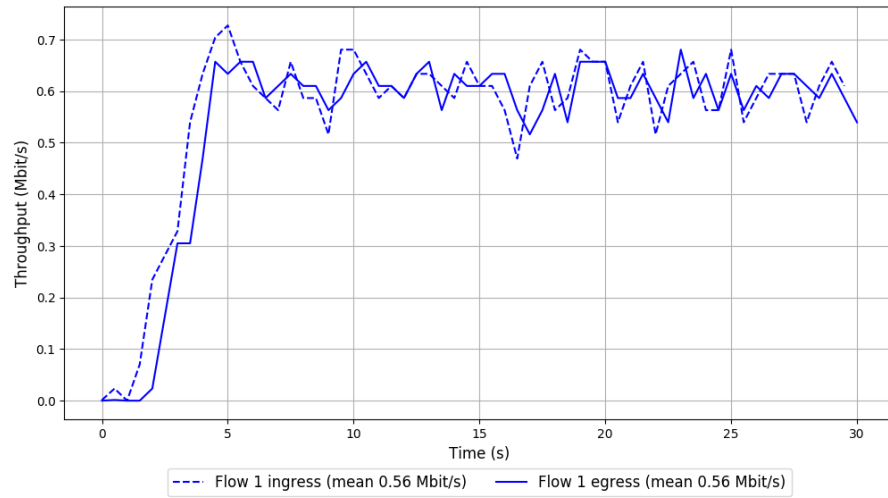


Run 9: Statistics of LEDBAT

Start at: 2018-05-24 23:20:21
End at: 2018-05-24 23:20:51
Local clock offset: -6.465 ms
Remote clock offset: 10.448 ms

Below is generated by plot.py at 2018-05-24 23:48:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 303.443 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 303.443 ms
Loss rate: 1.20%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

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

End at: 2018-05-24 23:38:53

Local clock offset: -1.728 ms

Remote clock offset: 8.811 ms

Below is generated by plot.py at 2018-05-24 23:48:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 289.897 ms

Loss rate: 1.35%

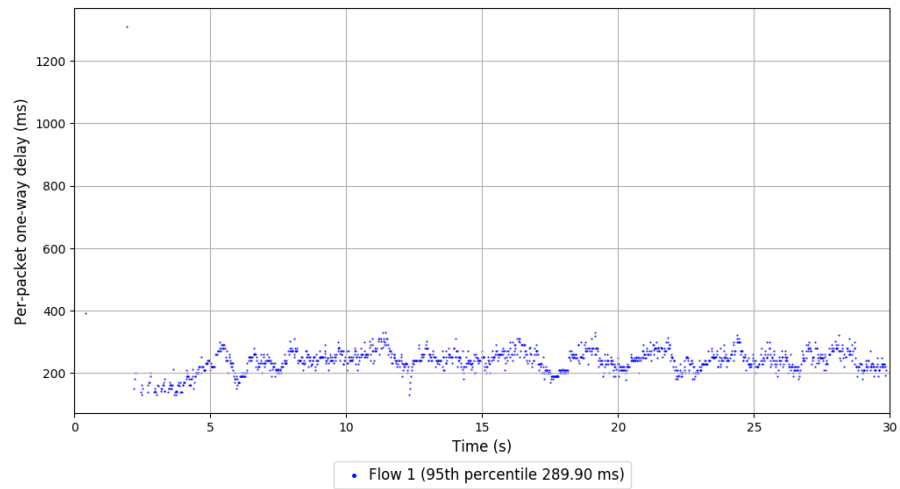
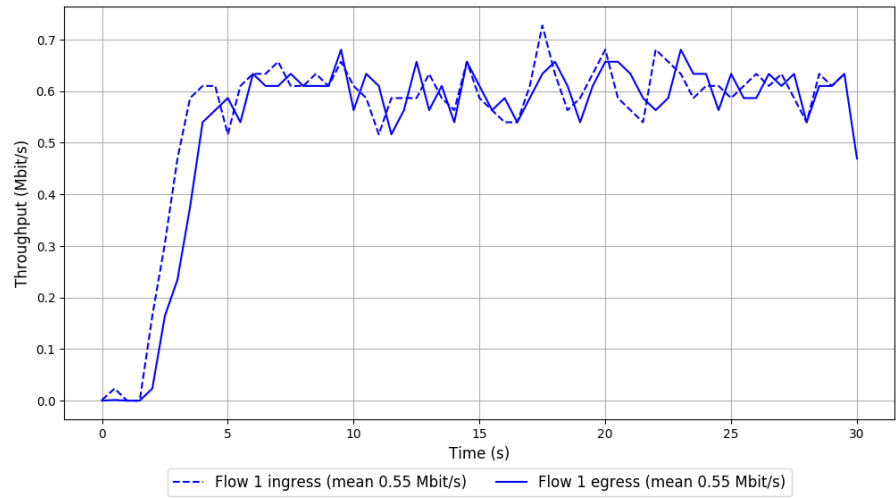
-- Flow 1:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 289.897 ms

Loss rate: 1.35%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-05-24 20:58:59

End at: 2018-05-24 20:59:29

Local clock offset: -3.085 ms

Remote clock offset: 6.634 ms

Below is generated by plot.py at 2018-05-24 23:48:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 25734.181 ms

Loss rate: 61.27%

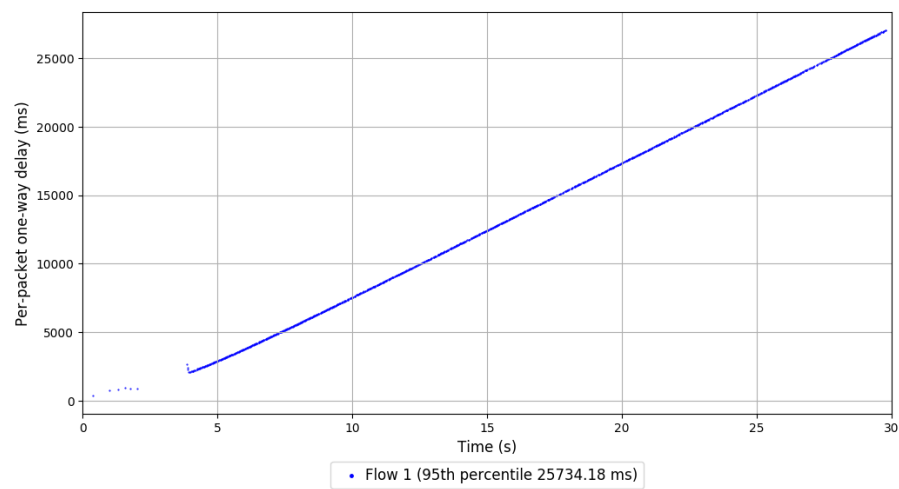
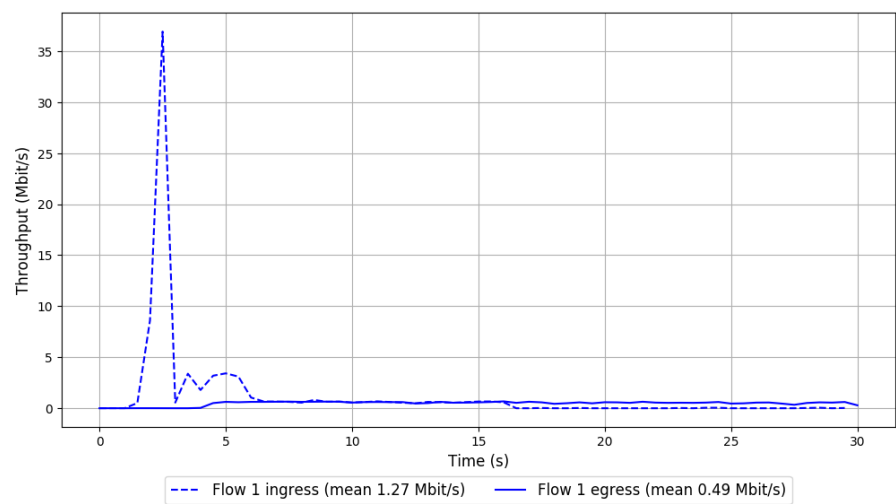
-- Flow 1:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 25734.181 ms

Loss rate: 61.27%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-05-24 21:17:00

End at: 2018-05-24 21:17:30

Local clock offset: -7.914 ms

Remote clock offset: 3.817 ms

Below is generated by plot.py at 2018-05-24 23:48:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 25814.810 ms

Loss rate: 59.94%

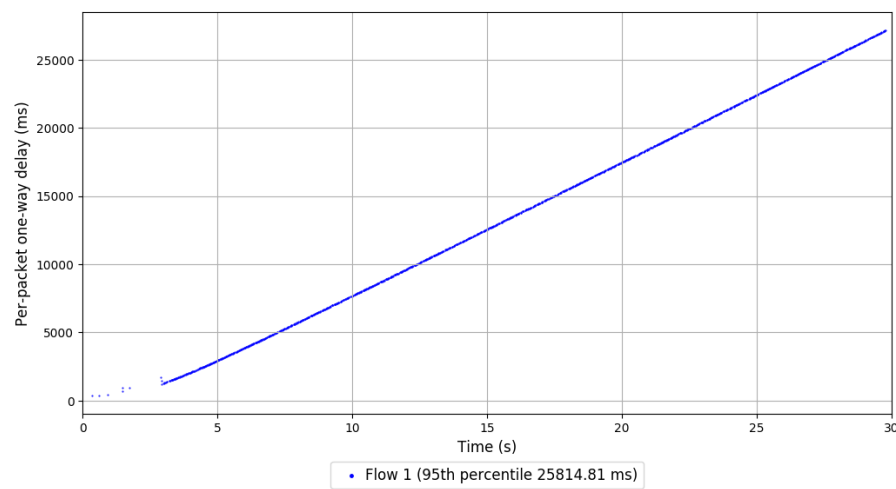
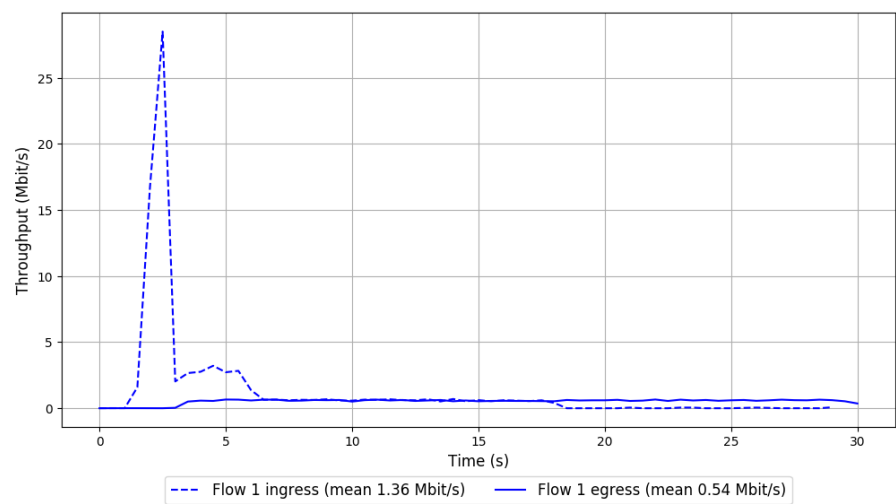
-- Flow 1:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 25814.810 ms

Loss rate: 59.94%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-05-24 21:35:07

End at: 2018-05-24 21:35:37

Local clock offset: -6.415 ms

Remote clock offset: 5.319 ms

Below is generated by plot.py at 2018-05-24 23:48:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 26235.014 ms

Loss rate: 63.88%

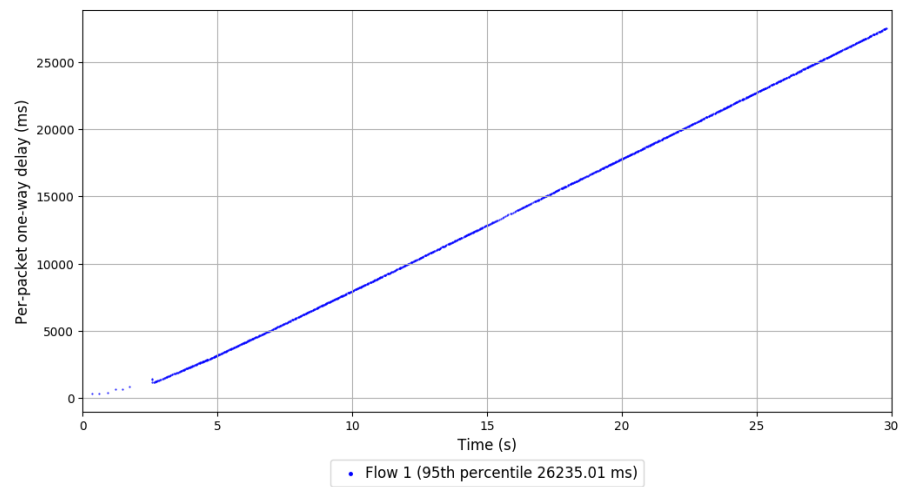
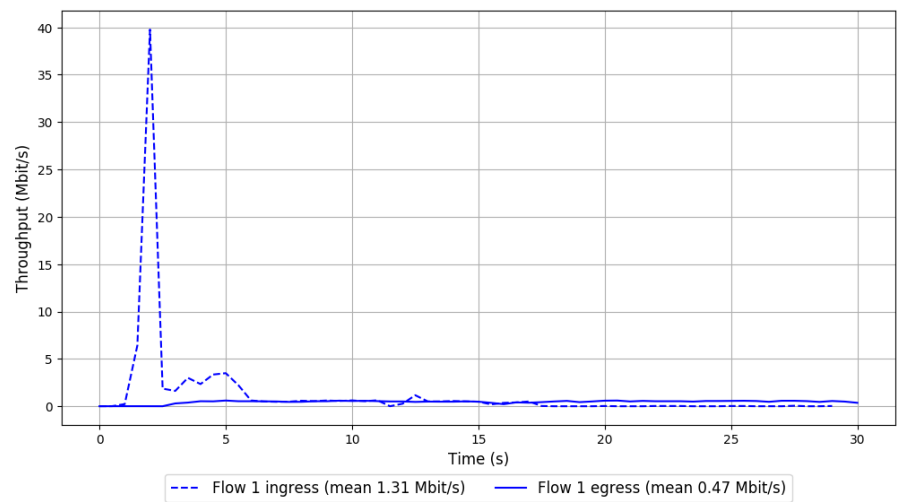
-- Flow 1:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 26235.014 ms

Loss rate: 63.88%

Run 3: Report of PCC-Allegro — Data Link

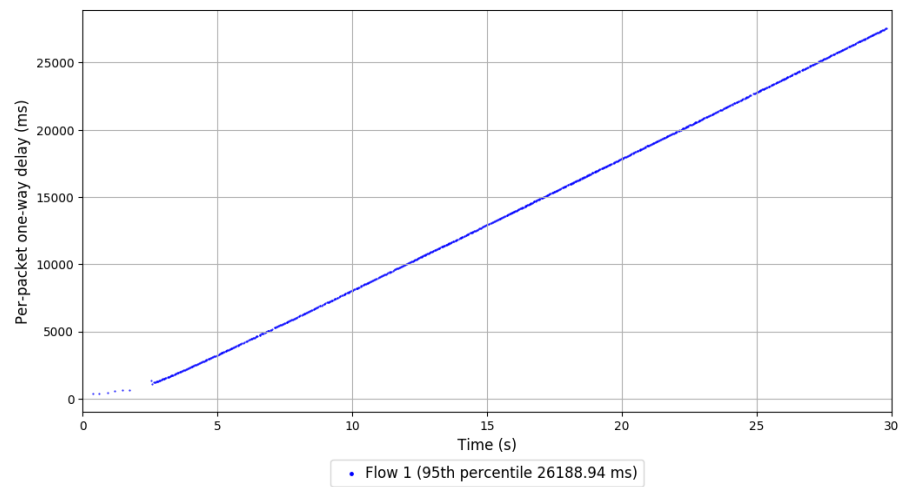
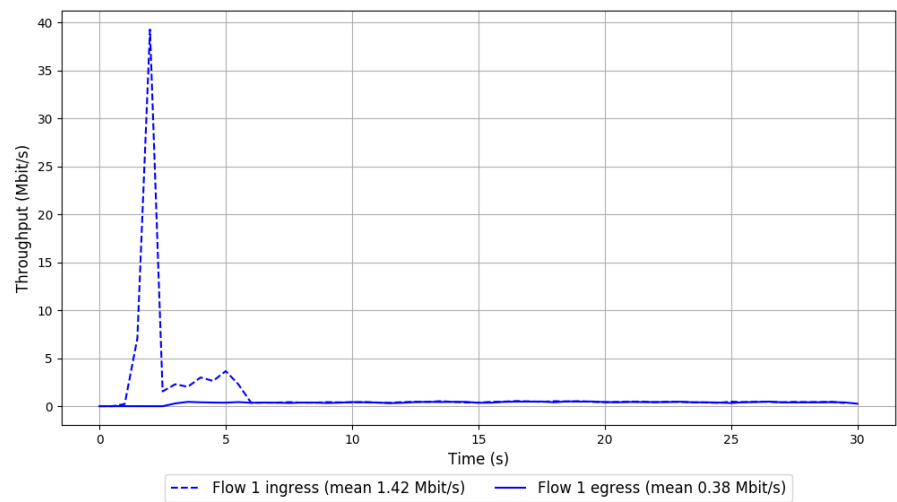


Run 4: Statistics of PCC-Allegro

Start at: 2018-05-24 21:53:39
End at: 2018-05-24 21:54:09
Local clock offset: -8.096 ms
Remote clock offset: -1.792 ms

Below is generated by plot.py at 2018-05-24 23:48:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 26188.942 ms
Loss rate: 73.42%
-- Flow 1:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 26188.942 ms
Loss rate: 73.42%

Run 4: Report of PCC-Allegro — Data Link

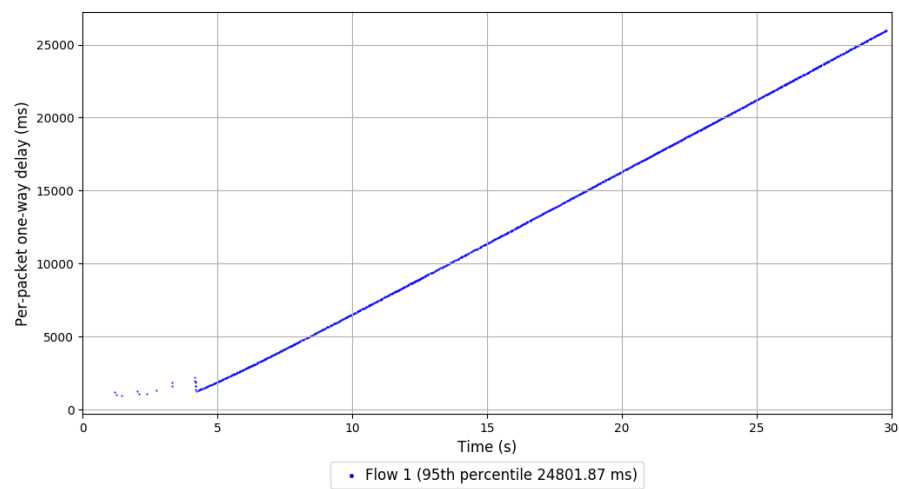
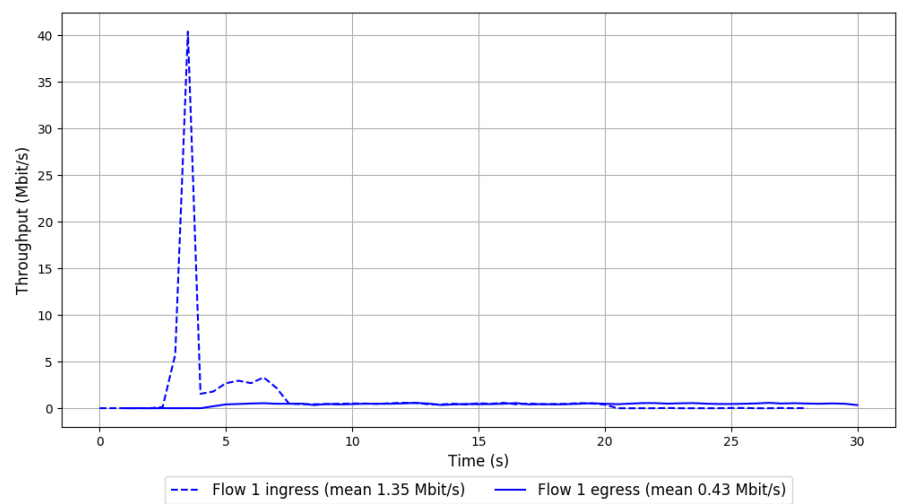


Run 5: Statistics of PCC-Allegro

Start at: 2018-05-24 22:12:20
End at: 2018-05-24 22:12:50
Local clock offset: -7.023 ms
Remote clock offset: -2.656 ms

Below is generated by plot.py at 2018-05-24 23:48:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 24801.874 ms
Loss rate: 67.78%
-- Flow 1:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 24801.874 ms
Loss rate: 67.78%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-05-24 22:30:36

End at: 2018-05-24 22:31:06

Local clock offset: -5.772 ms

Remote clock offset: 4.131 ms

Below is generated by plot.py at 2018-05-24 23:48:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 26058.446 ms

Loss rate: 58.91%

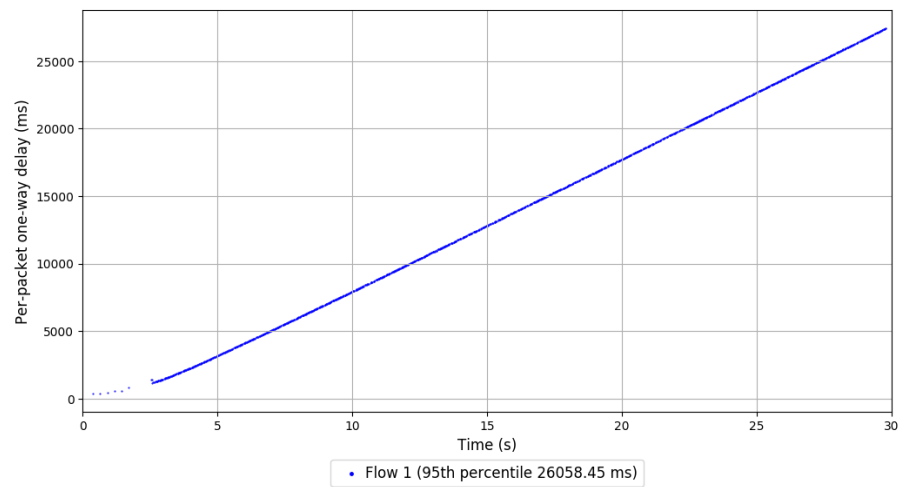
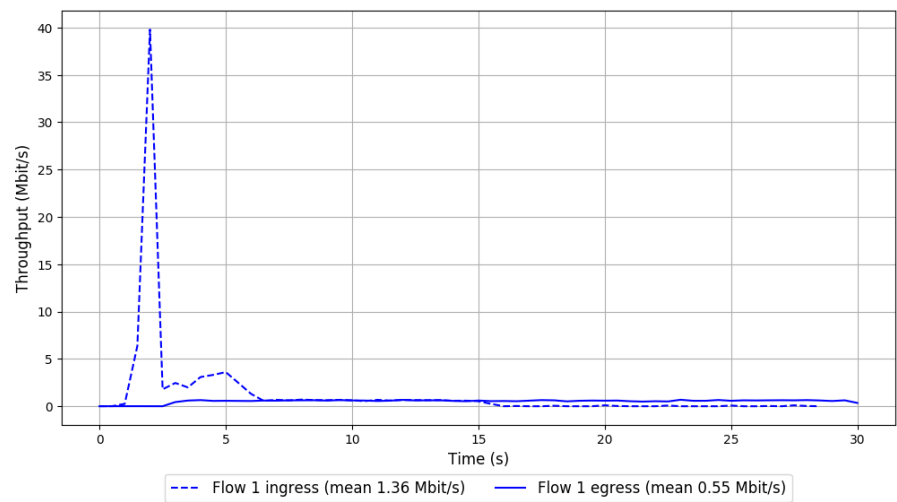
-- Flow 1:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 26058.446 ms

Loss rate: 58.91%

Run 6: Report of PCC-Allegro — Data Link

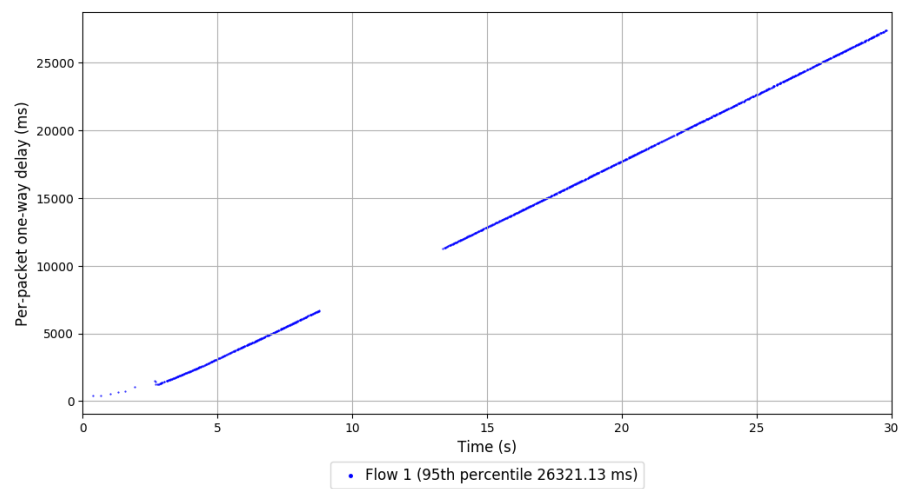
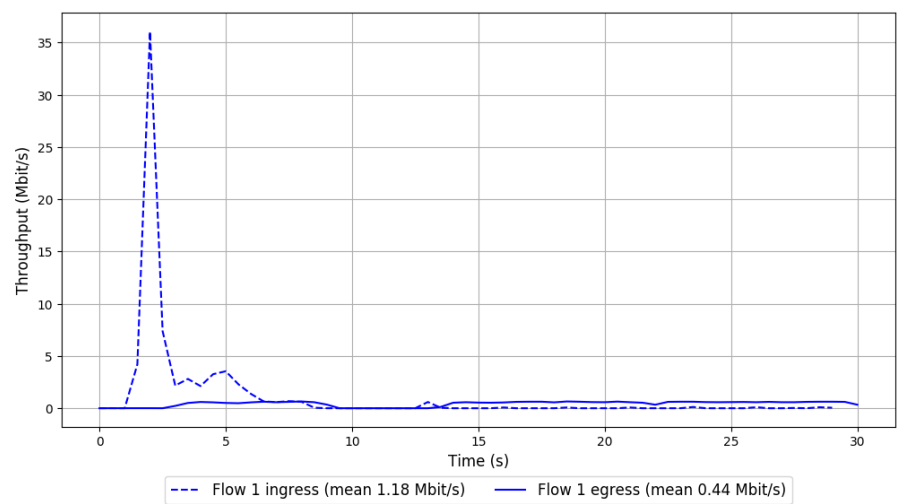


Run 7: Statistics of PCC-Allegro

Start at: 2018-05-24 22:48:51
End at: 2018-05-24 22:49:21
Local clock offset: -1.859 ms
Remote clock offset: 10.924 ms

Below is generated by plot.py at 2018-05-24 23:48:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 26321.131 ms
Loss rate: 62.40%
-- Flow 1:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 26321.131 ms
Loss rate: 62.40%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-05-24 23:06:50

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

Local clock offset: -5.159 ms

Remote clock offset: 7.765 ms

Below is generated by plot.py at 2018-05-24 23:48:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 26078.489 ms

Loss rate: 63.38%

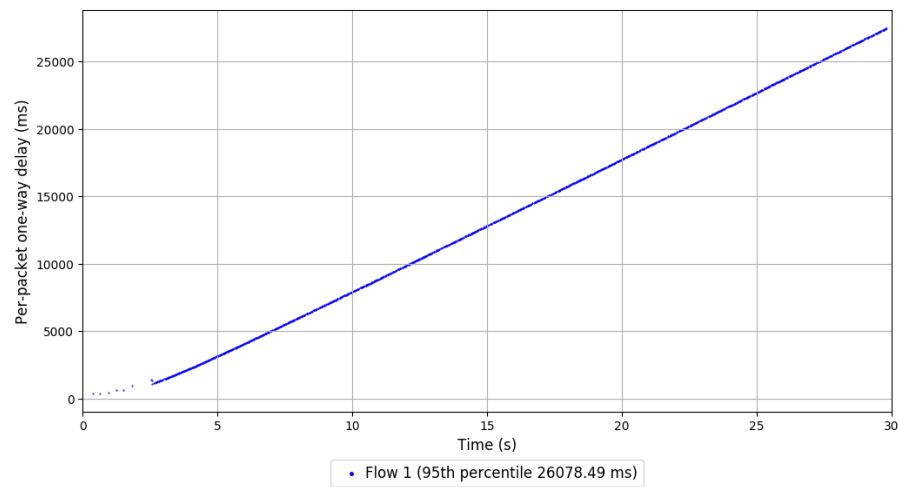
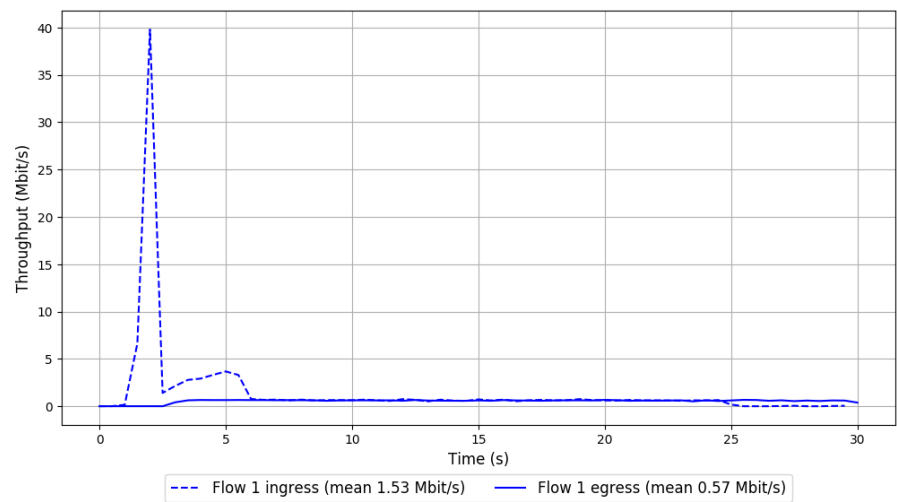
-- Flow 1:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 26078.489 ms

Loss rate: 63.38%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

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

End at: 2018-05-24 23:25:20

Local clock offset: -6.69 ms

Remote clock offset: 9.539 ms

Below is generated by plot.py at 2018-05-24 23:48:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.56 Mbit/s

95th percentile per-packet one-way delay: 26080.495 ms

Loss rate: 64.58%

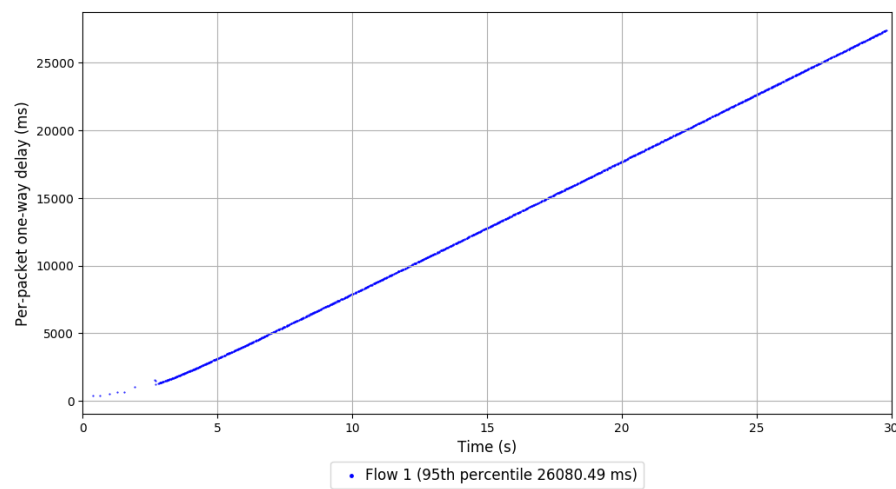
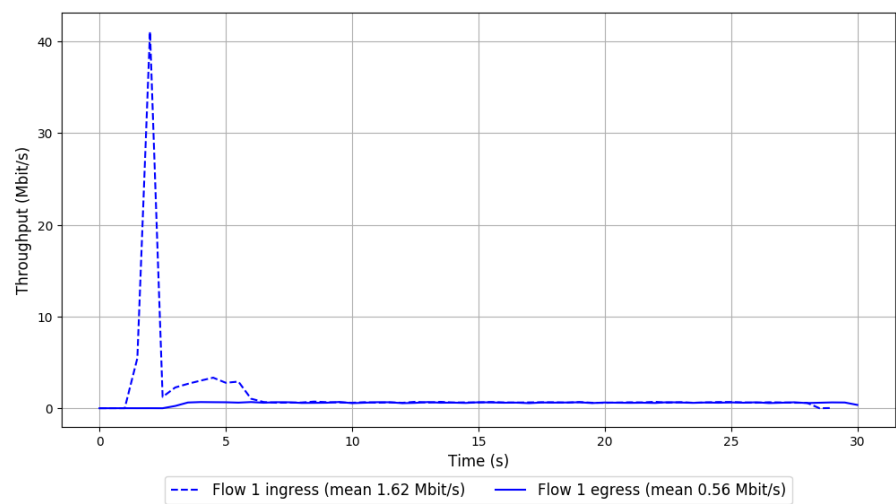
-- Flow 1:

Average throughput: 0.56 Mbit/s

95th percentile per-packet one-way delay: 26080.495 ms

Loss rate: 64.58%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-05-24 23:42:52

End at: 2018-05-24 23:43:22

Local clock offset: -1.829 ms

Remote clock offset: 4.94 ms

Below is generated by plot.py at 2018-05-24 23:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.56 Mbit/s

95th percentile per-packet one-way delay: 25935.863 ms

Loss rate: 58.04%

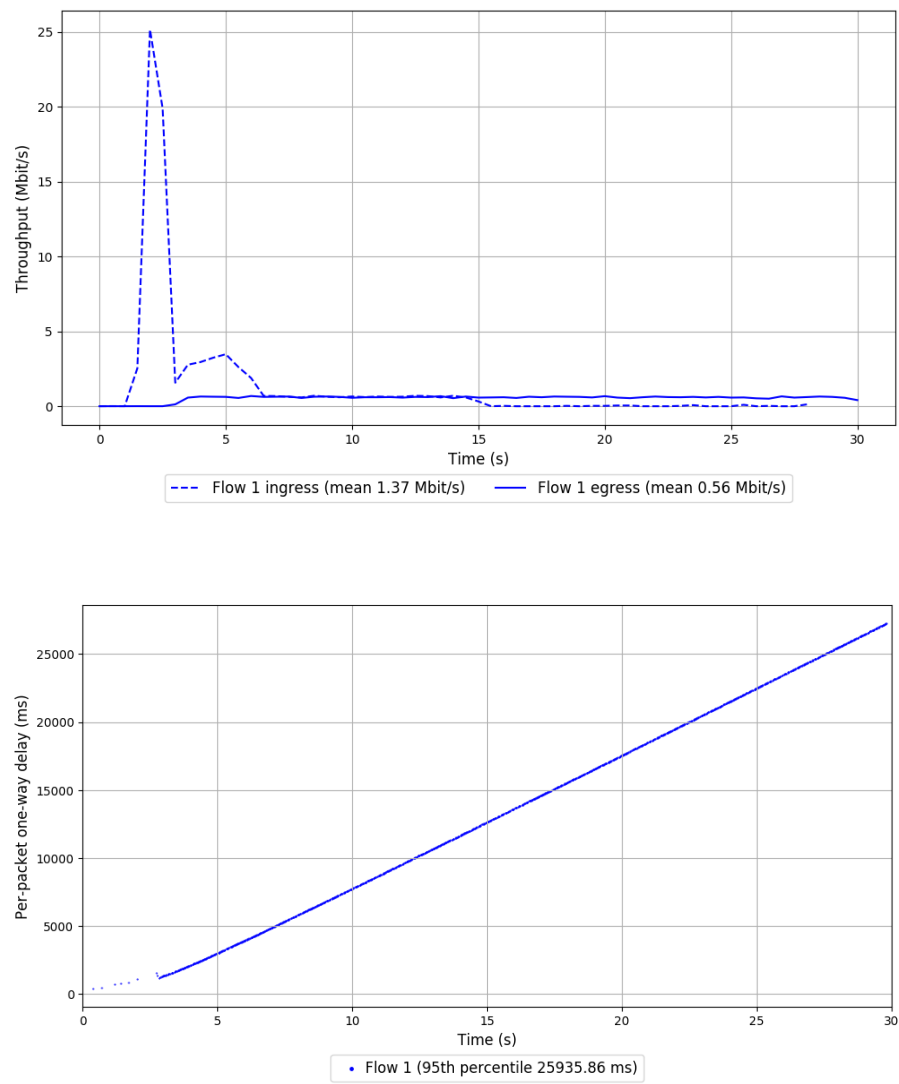
-- Flow 1:

Average throughput: 0.56 Mbit/s

95th percentile per-packet one-way delay: 25935.863 ms

Loss rate: 58.04%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-05-24 20:53:23

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

Local clock offset: -1.436 ms

Remote clock offset: 11.181 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 21:11:24

End at: 2018-05-24 21:11:54

Local clock offset: -5.702 ms

Remote clock offset: 10.196 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 21:29:31

End at: 2018-05-24 21:30:01

Local clock offset: -6.699 ms

Remote clock offset: 0.657 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 21:48:03

End at: 2018-05-24 21:48:33

Local clock offset: -7.169 ms

Remote clock offset: 3.374 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 22:06:39

End at: 2018-05-24 22:07:09

Local clock offset: -7.85 ms

Remote clock offset: -2.992 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 22:25:00

End at: 2018-05-24 22:25:30

Local clock offset: -7.214 ms

Remote clock offset: 3.085 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 22:43:15

End at: 2018-05-24 22:43:45

Local clock offset: -3.125 ms

Remote clock offset: 9.424 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 23:01:14

End at: 2018-05-24 23:01:44

Local clock offset: -3.084 ms

Remote clock offset: 13.563 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 23:19:14

End at: 2018-05-24 23:19:44

Local clock offset: -5.638 ms

Remote clock offset: 6.612 ms

Run 9: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of PCC-Expr

Start at: 2018-05-24 23:37:16

End at: 2018-05-24 23:37:46

Local clock offset: -3.461 ms

Remote clock offset: 5.897 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 20:46:37

End at: 2018-05-24 20:47:07

Local clock offset: -1.176 ms

Remote clock offset: 8.781 ms

Below is generated by plot.py at 2018-05-24 23:48:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 8734.372 ms

Loss rate: 32.80%

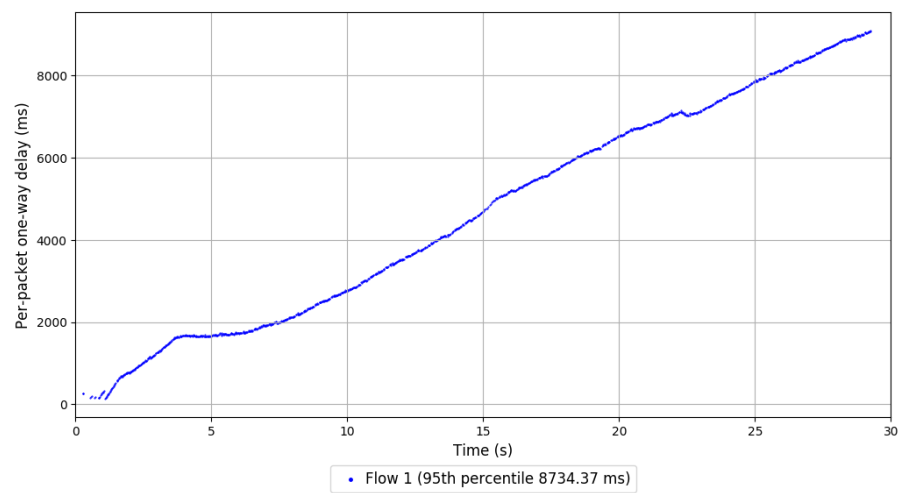
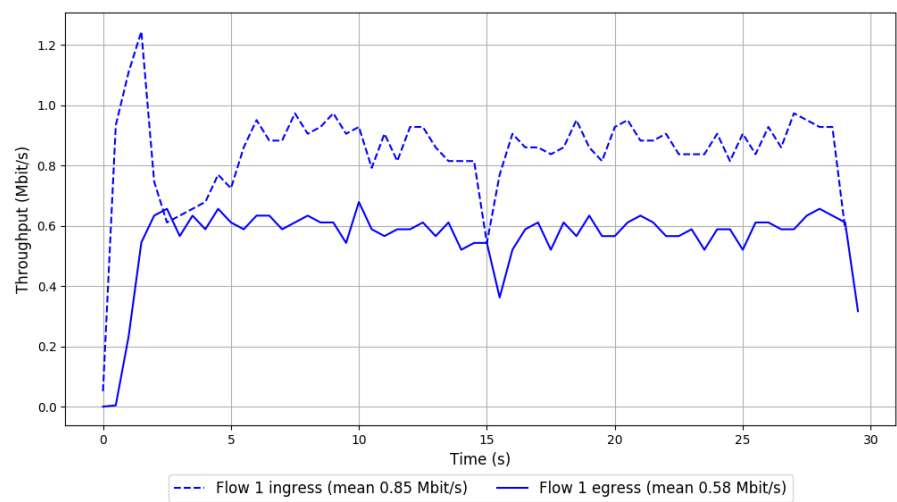
-- Flow 1:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 8734.372 ms

Loss rate: 32.80%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-05-24 21:04:40

End at: 2018-05-24 21:05:10

Local clock offset: -4.359 ms

Remote clock offset: 10.44 ms

Below is generated by plot.py at 2018-05-24 23:48:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 7388.850 ms

Loss rate: 23.27%

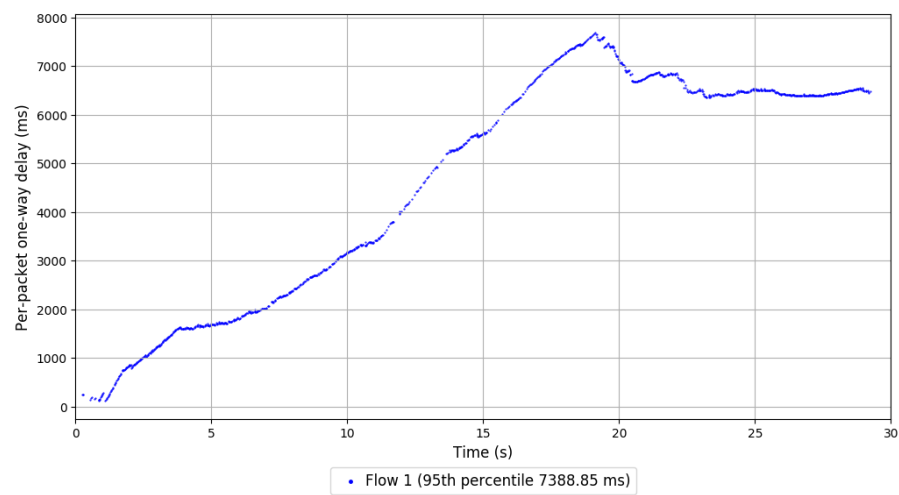
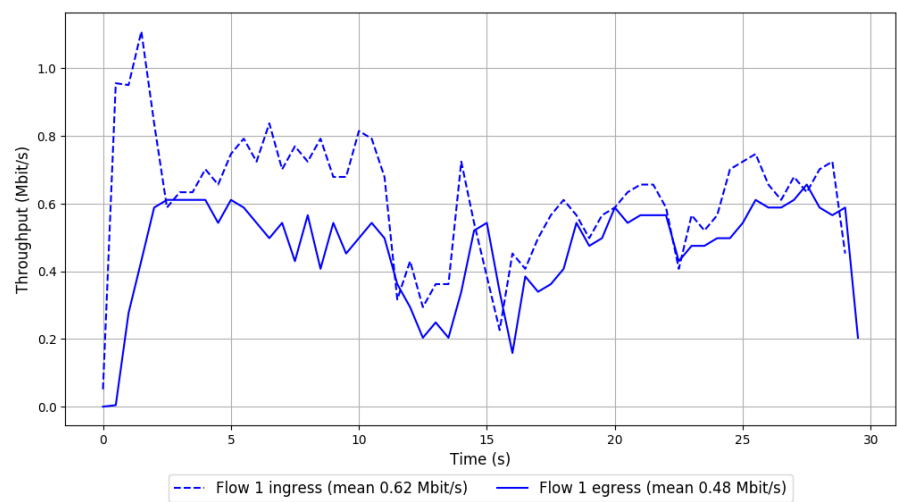
-- Flow 1:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 7388.850 ms

Loss rate: 23.27%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-05-24 21:22:44

End at: 2018-05-24 21:23:14

Local clock offset: -7.638 ms

Remote clock offset: 1.831 ms

Below is generated by plot.py at 2018-05-24 23:48:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.56 Mbit/s

95th percentile per-packet one-way delay: 8708.342 ms

Loss rate: 33.14%

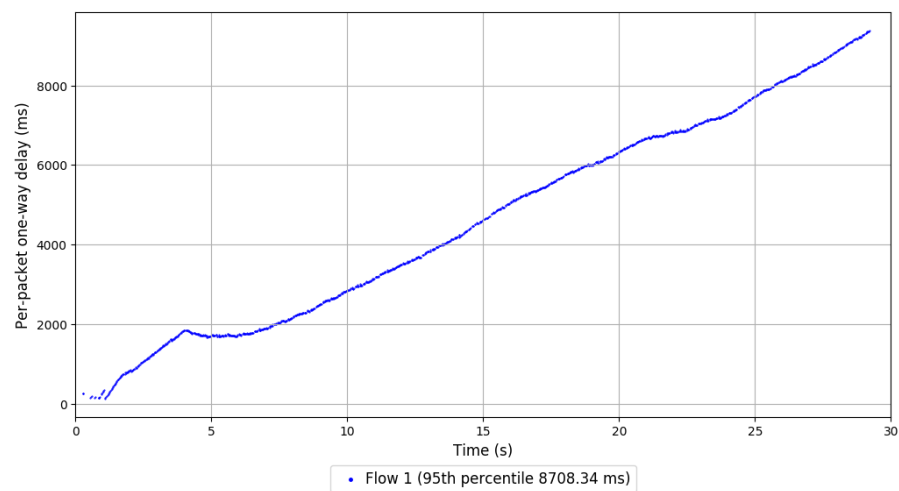
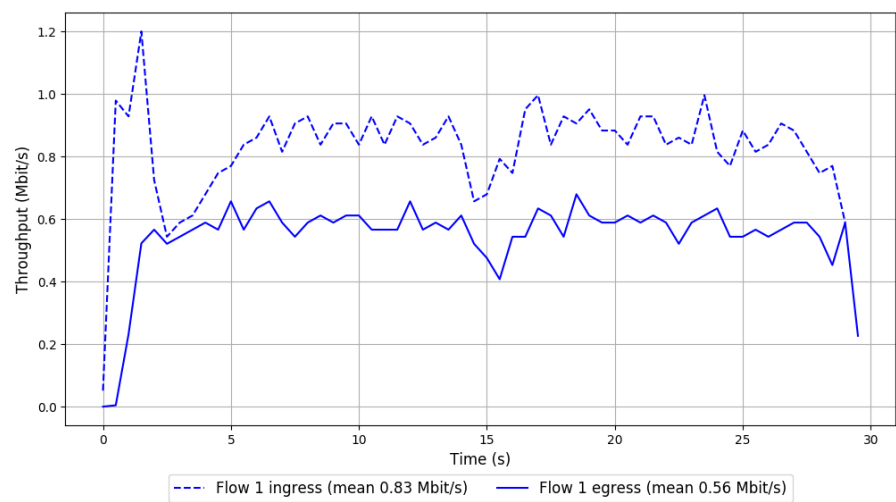
-- Flow 1:

Average throughput: 0.56 Mbit/s

95th percentile per-packet one-way delay: 8708.342 ms

Loss rate: 33.14%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-05-24 21:41:02

End at: 2018-05-24 21:41:32

Local clock offset: -7.953 ms

Remote clock offset: 4.057 ms

Below is generated by plot.py at 2018-05-24 23:48:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 8750.930 ms

Loss rate: 32.54%

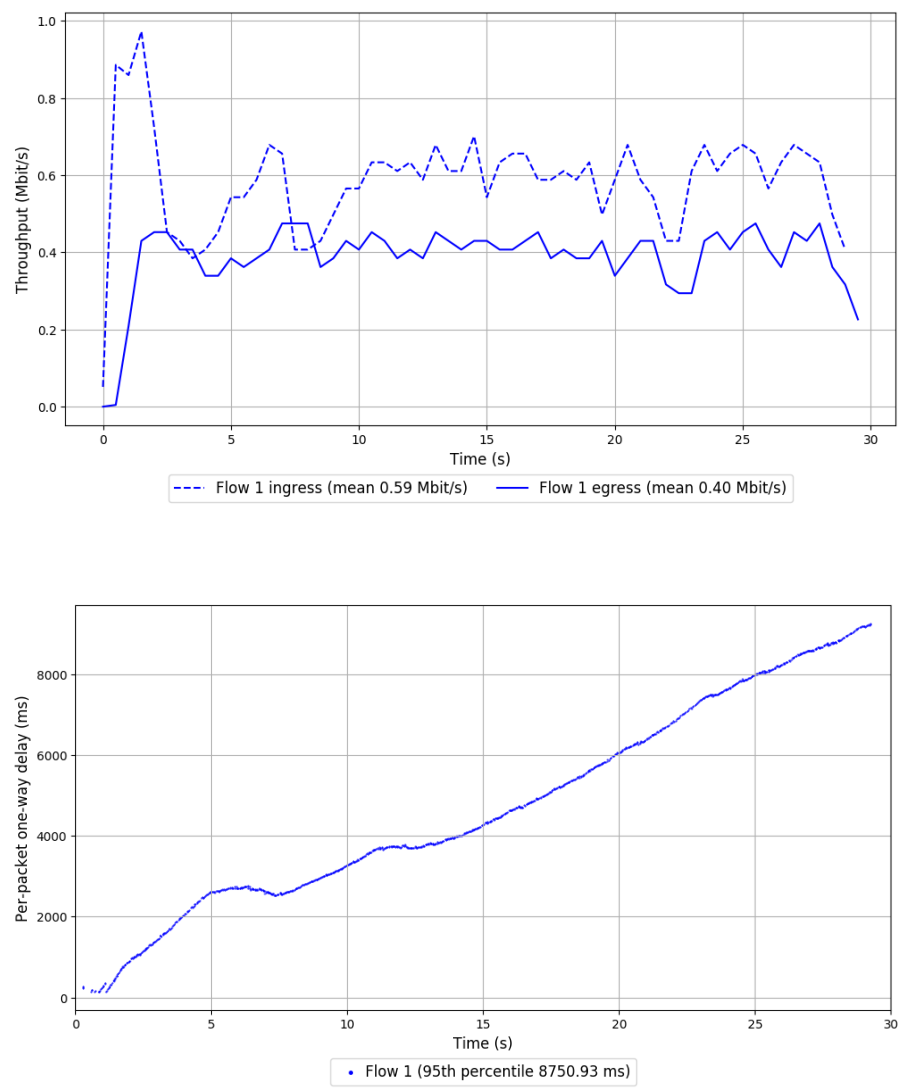
-- Flow 1:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 8750.930 ms

Loss rate: 32.54%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-05-24 21:59:46

End at: 2018-05-24 22:00:17

Local clock offset: -6.378 ms

Remote clock offset: -1.528 ms

Below is generated by plot.py at 2018-05-24 23:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 8816.103 ms

Loss rate: 32.13%

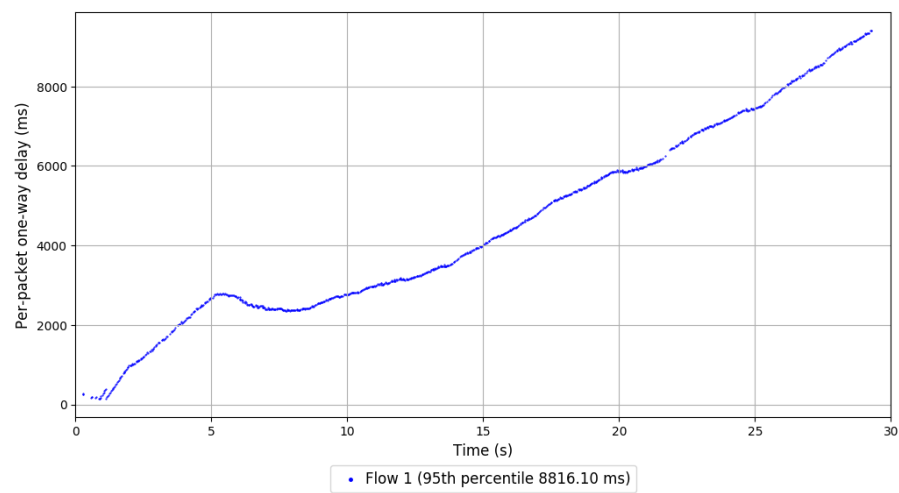
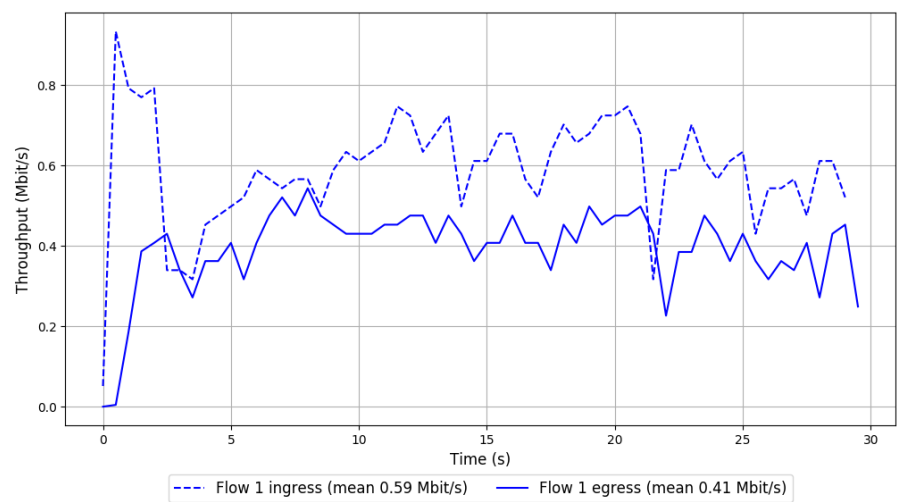
-- Flow 1:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 8816.103 ms

Loss rate: 32.13%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-05-24 22:18:10

End at: 2018-05-24 22:18:40

Local clock offset: -7.141 ms

Remote clock offset: 0.736 ms

Below is generated by plot.py at 2018-05-24 23:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 8587.187 ms

Loss rate: 33.19%

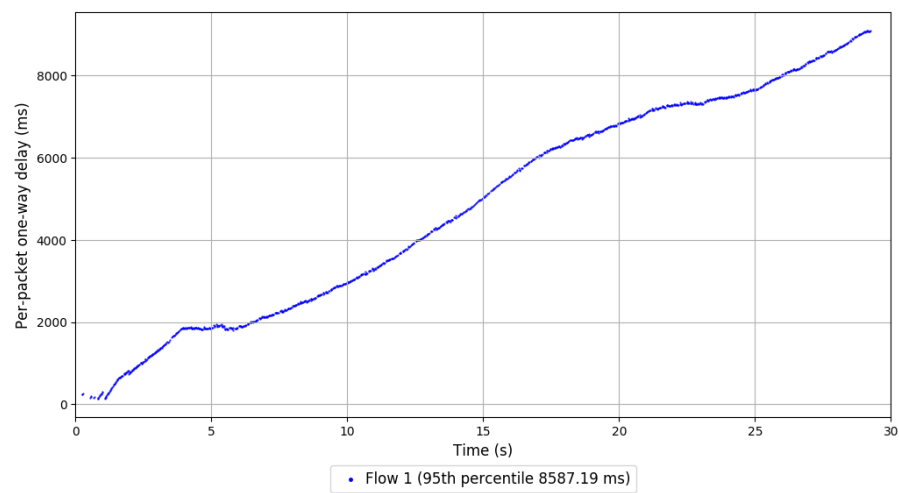
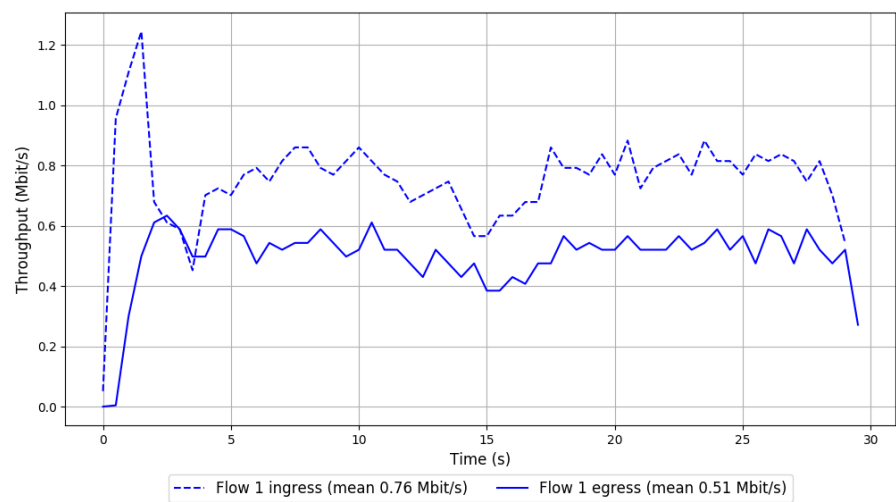
-- Flow 1:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 8587.187 ms

Loss rate: 33.19%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-05-24 22:36:27

End at: 2018-05-24 22:36:57

Local clock offset: -4.188 ms

Remote clock offset: 7.967 ms

Below is generated by plot.py at 2018-05-24 23:48:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 8724.797 ms

Loss rate: 31.23%

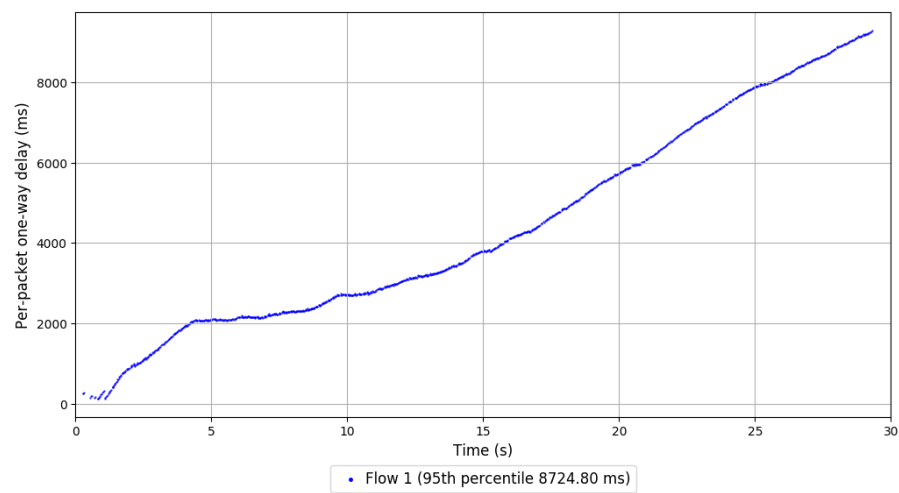
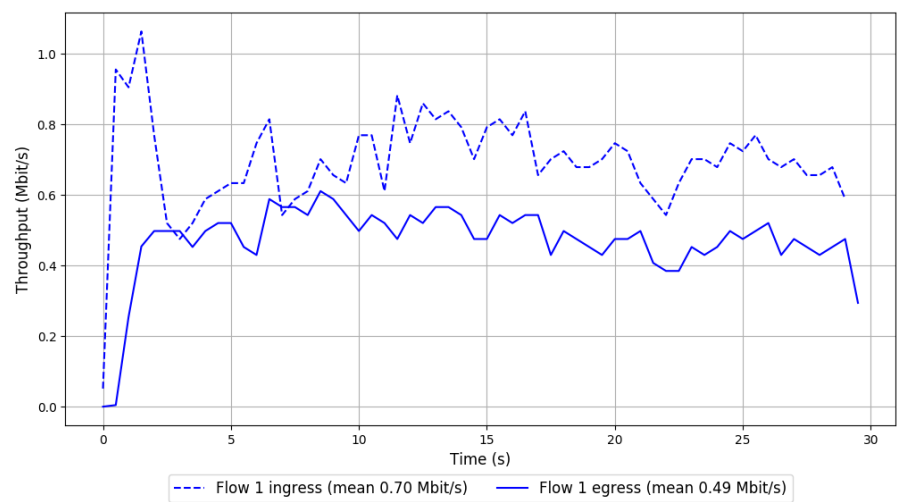
-- Flow 1:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 8724.797 ms

Loss rate: 31.23%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-05-24 22:54:29

End at: 2018-05-24 22:54:59

Local clock offset: -1.34 ms

Remote clock offset: 12.183 ms

Below is generated by plot.py at 2018-05-24 23:48:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.59 Mbit/s

95th percentile per-packet one-way delay: 8748.084 ms

Loss rate: 32.86%

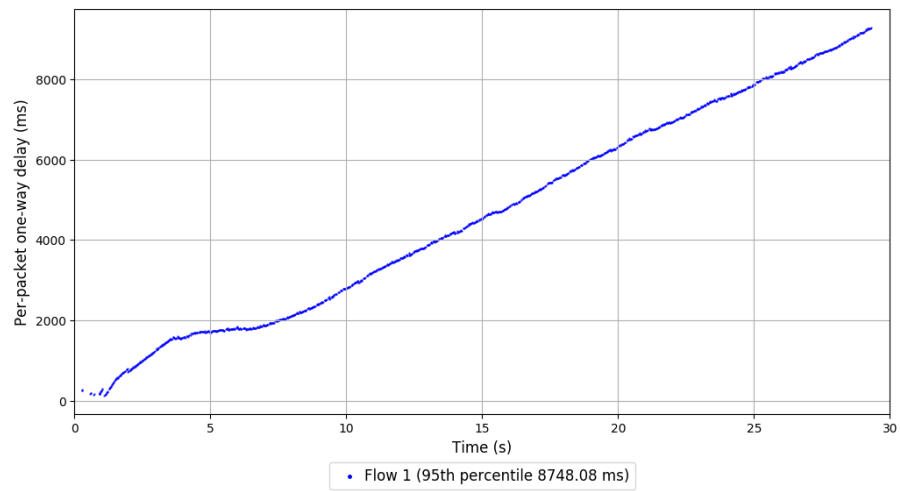
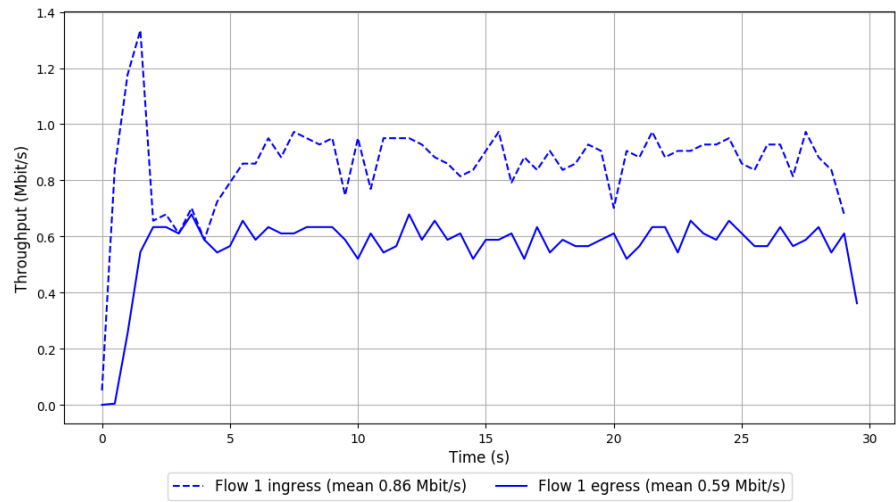
-- Flow 1:

Average throughput: 0.59 Mbit/s

95th percentile per-packet one-way delay: 8748.084 ms

Loss rate: 32.86%

Run 8: Report of QUIC Cubic — Data Link

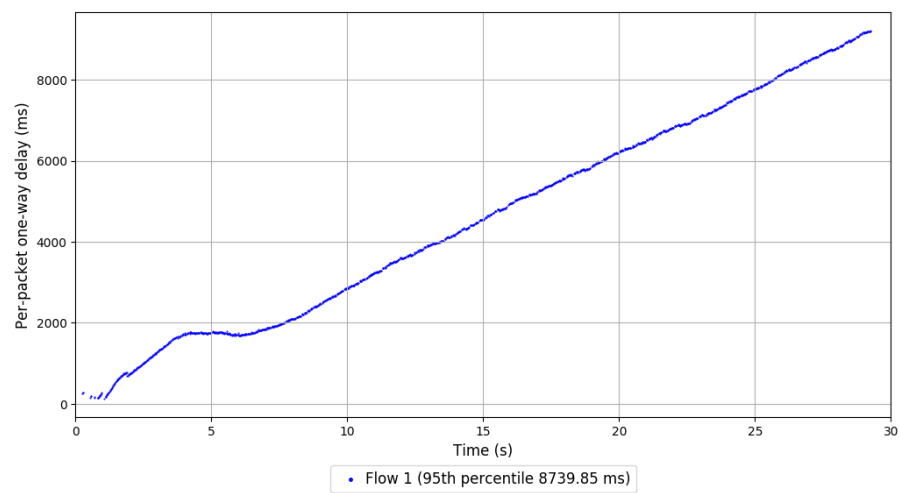
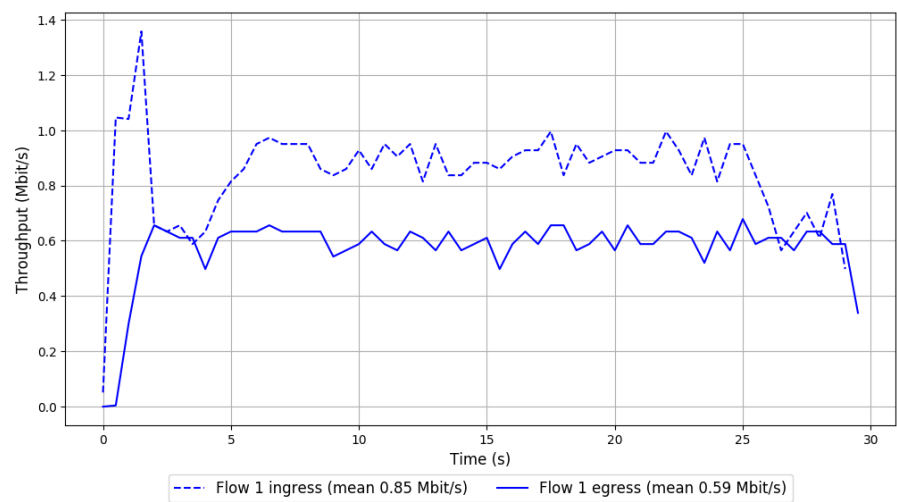


Run 9: Statistics of QUIC Cubic

Start at: 2018-05-24 23:12:27
End at: 2018-05-24 23:12:57
Local clock offset: -5.901 ms
Remote clock offset: 10.547 ms

Below is generated by plot.py at 2018-05-24 23:48:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 8739.854 ms
Loss rate: 30.75%
-- Flow 1:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 8739.854 ms
Loss rate: 30.75%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-05-24 23:30:30

End at: 2018-05-24 23:31:00

Local clock offset: -5.291 ms

Remote clock offset: 5.832 ms

Below is generated by plot.py at 2018-05-24 23:48:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.59 Mbit/s

95th percentile per-packet one-way delay: 8565.308 ms

Loss rate: 32.80%

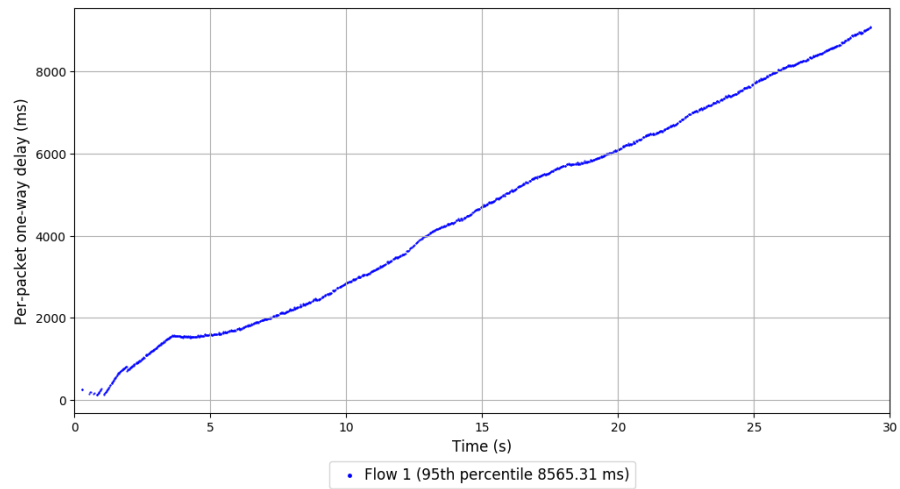
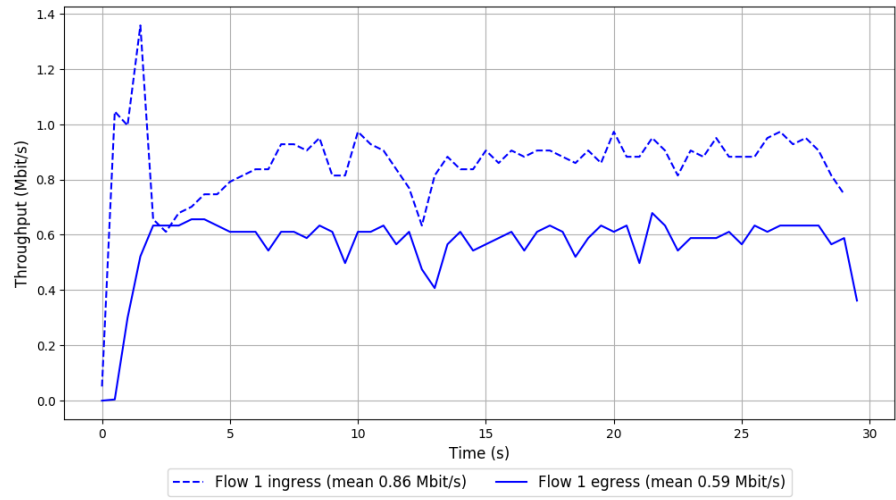
-- Flow 1:

Average throughput: 0.59 Mbit/s

95th percentile per-packet one-way delay: 8565.308 ms

Loss rate: 32.80%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2018-05-24 20:50:01

End at: 2018-05-24 20:50:31

Local clock offset: -0.905 ms

Remote clock offset: 7.149 ms

Below is generated by plot.py at 2018-05-24 23:48:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.08 Mbit/s

95th percentile per-packet one-way delay: 137.982 ms

Loss rate: 0.79%

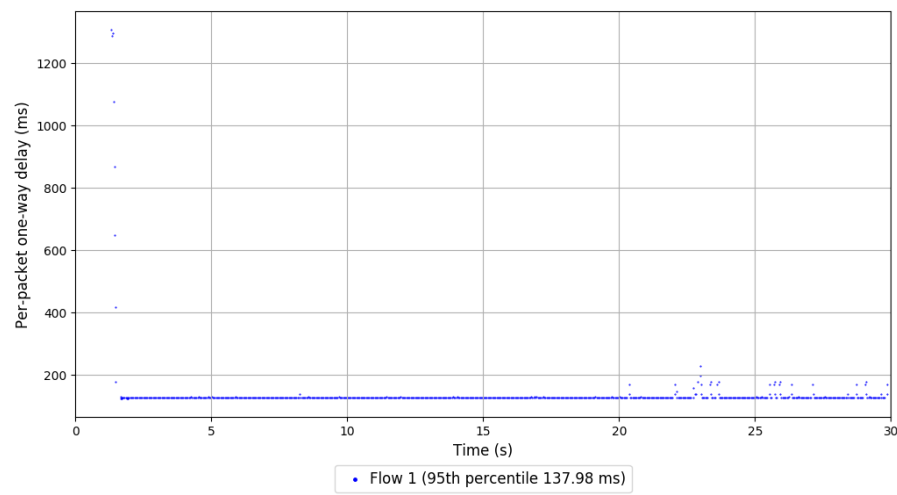
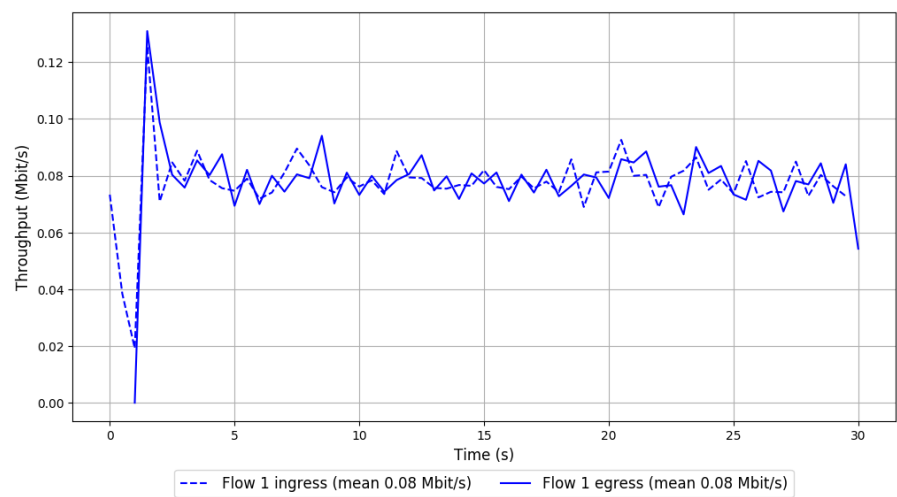
-- Flow 1:

Average throughput: 0.08 Mbit/s

95th percentile per-packet one-way delay: 137.982 ms

Loss rate: 0.79%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-05-24 21:08:03

End at: 2018-05-24 21:08:33

Local clock offset: -5.887 ms

Remote clock offset: 9.33 ms

Below is generated by plot.py at 2018-05-24 23:48:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.08 Mbit/s

95th percentile per-packet one-way delay: 157.617 ms

Loss rate: 0.79%

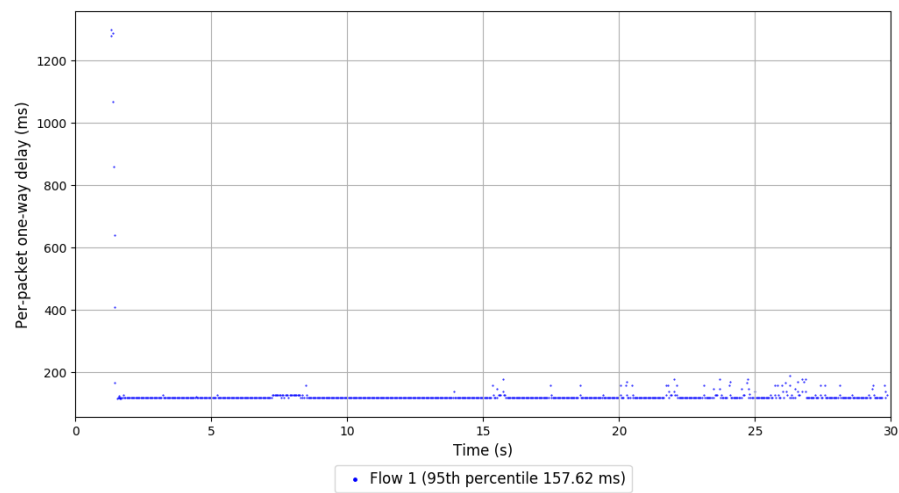
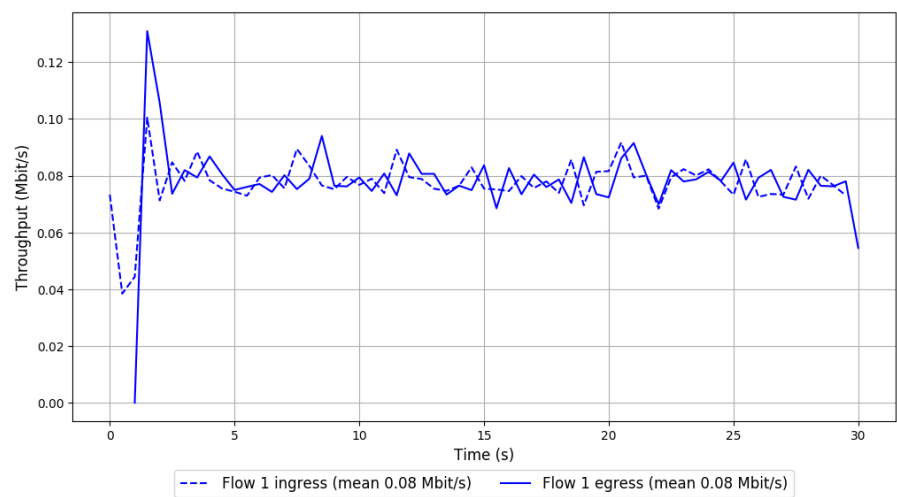
-- Flow 1:

Average throughput: 0.08 Mbit/s

95th percentile per-packet one-way delay: 157.617 ms

Loss rate: 0.79%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

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

End at: 2018-05-24 21:26:39

Local clock offset: -8.621 ms

Remote clock offset: 1.978 ms

Below is generated by plot.py at 2018-05-24 23:48:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.08 Mbit/s

95th percentile per-packet one-way delay: 160.103 ms

Loss rate: 0.80%

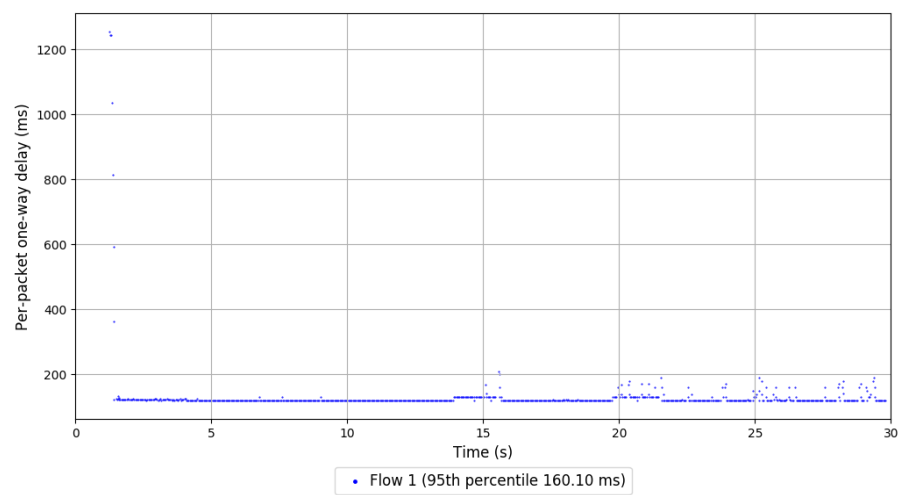
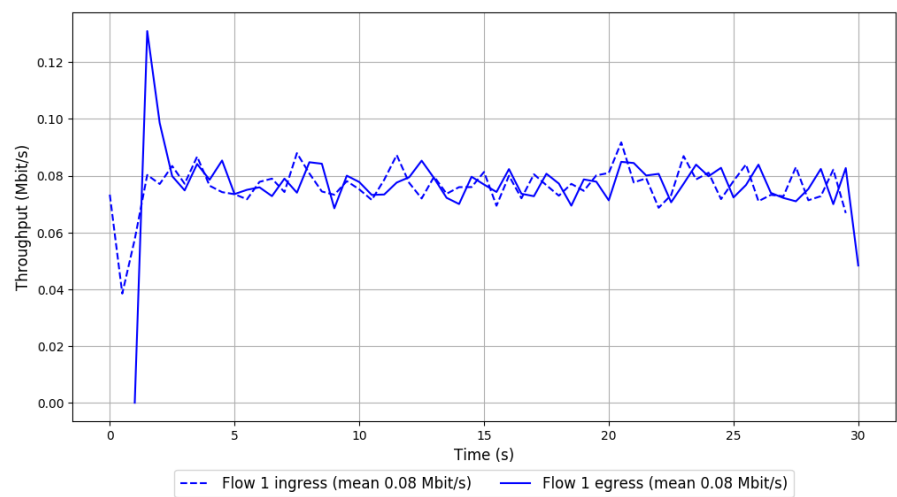
-- Flow 1:

Average throughput: 0.08 Mbit/s

95th percentile per-packet one-way delay: 160.103 ms

Loss rate: 0.80%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-05-24 21:44:40

End at: 2018-05-24 21:45:11

Local clock offset: -7.137 ms

Remote clock offset: 4.536 ms

Below is generated by plot.py at 2018-05-24 23:48:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.08 Mbit/s

95th percentile per-packet one-way delay: 155.863 ms

Loss rate: 0.78%

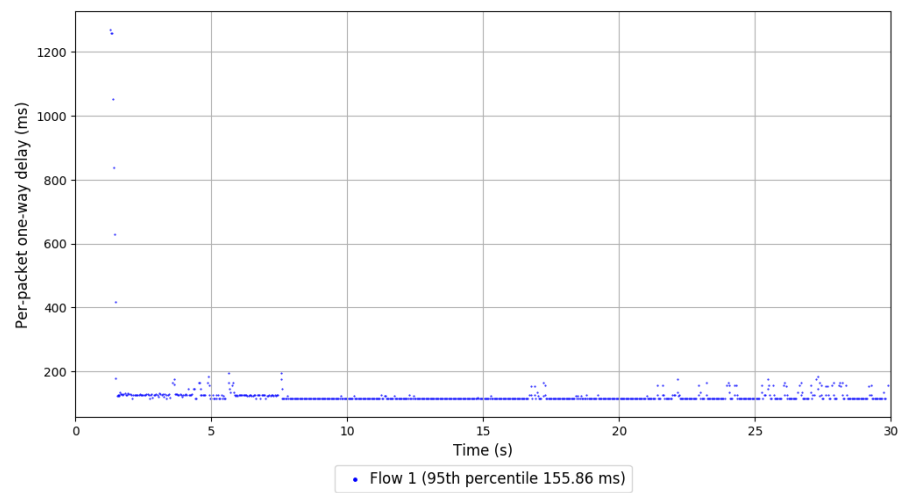
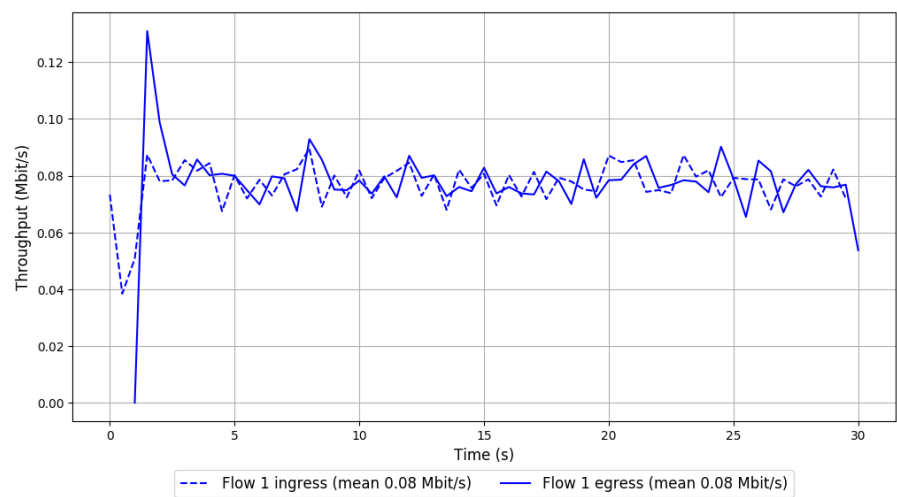
-- Flow 1:

Average throughput: 0.08 Mbit/s

95th percentile per-packet one-way delay: 155.863 ms

Loss rate: 0.78%

Run 4: Report of SReAM — Data Link

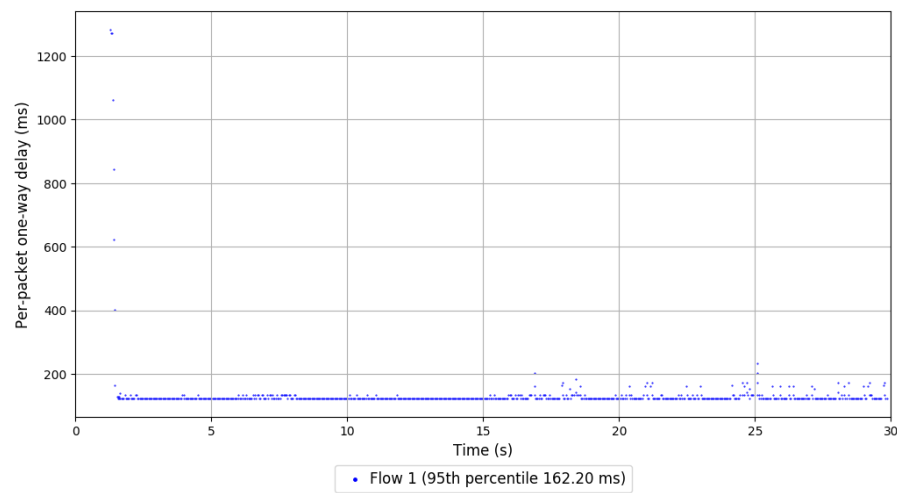
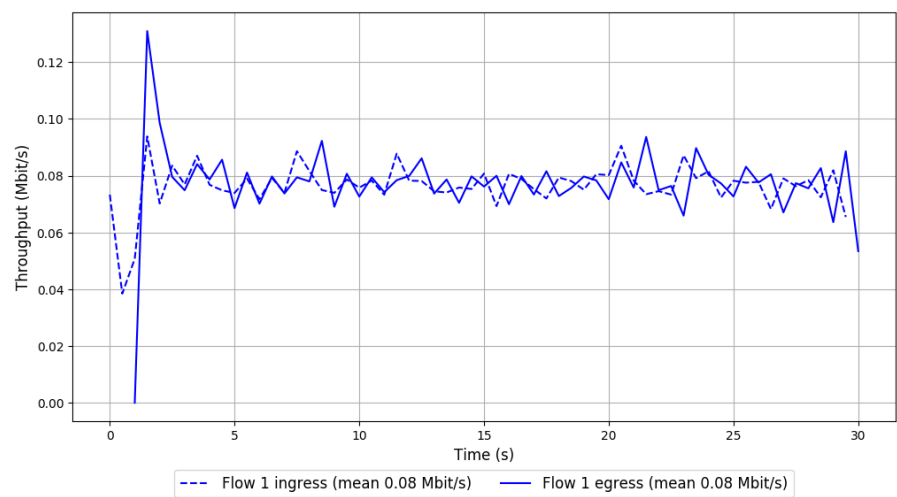


Run 5: Statistics of SCReAM

Start at: 2018-05-24 22:03:16
End at: 2018-05-24 22:03:46
Local clock offset: -6.346 ms
Remote clock offset: -1.789 ms

Below is generated by plot.py at 2018-05-24 23:48:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 162.197 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 162.197 ms
Loss rate: 0.65%

Run 5: Report of SReAM — Data Link

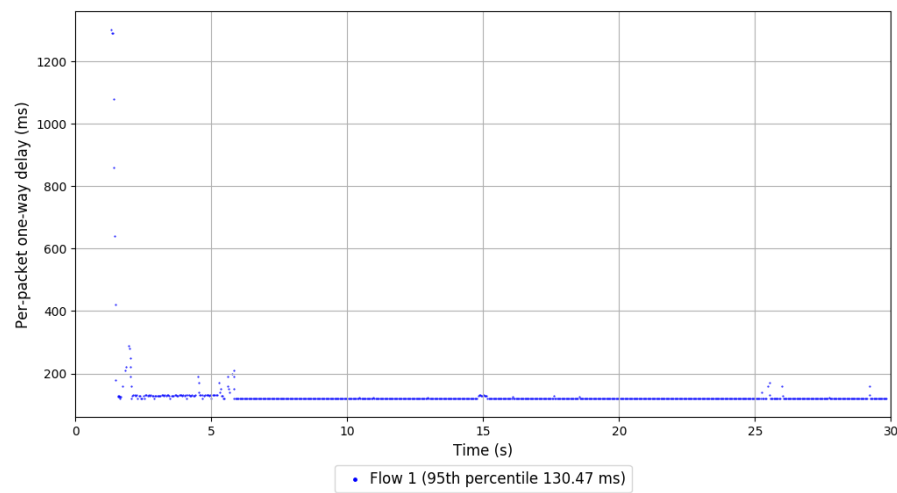
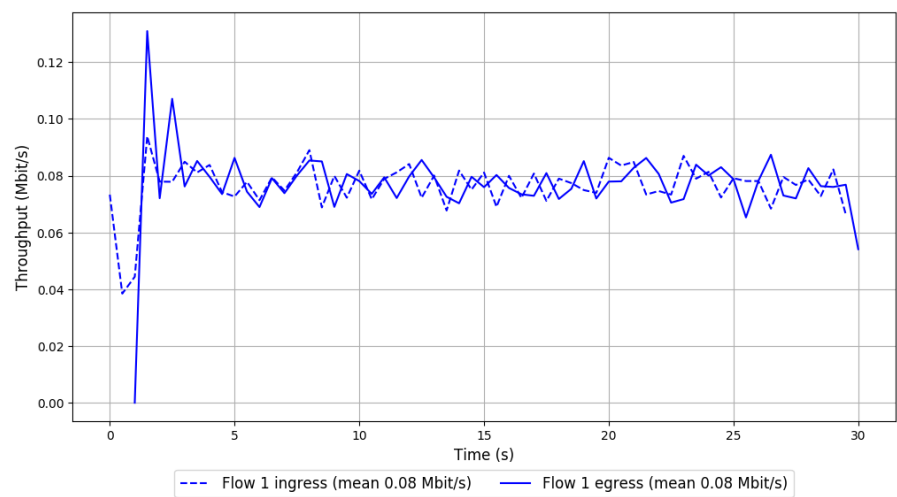


Run 6: Statistics of SCReAM

Start at: 2018-05-24 22:21:38
End at: 2018-05-24 22:22:08
Local clock offset: -7.18 ms
Remote clock offset: -3.328 ms

Below is generated by plot.py at 2018-05-24 23:48:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 130.472 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 130.472 ms
Loss rate: 0.66%

Run 6: Report of SReAM — Data Link

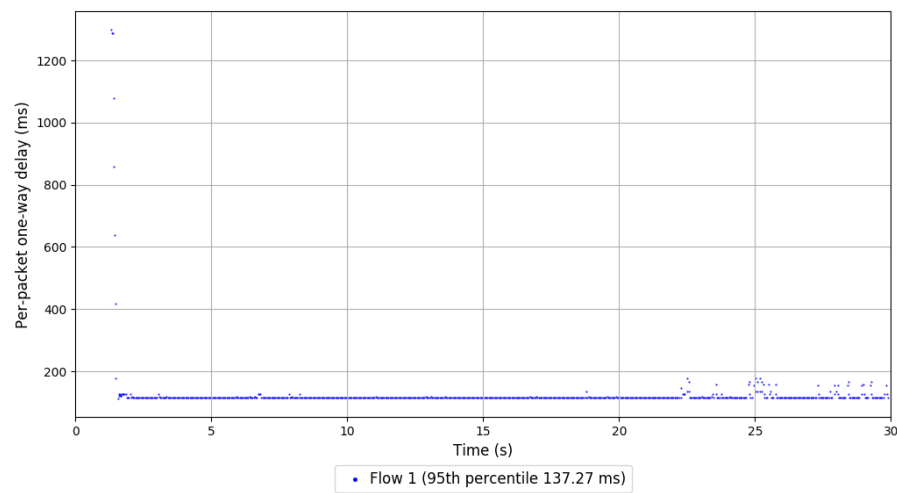
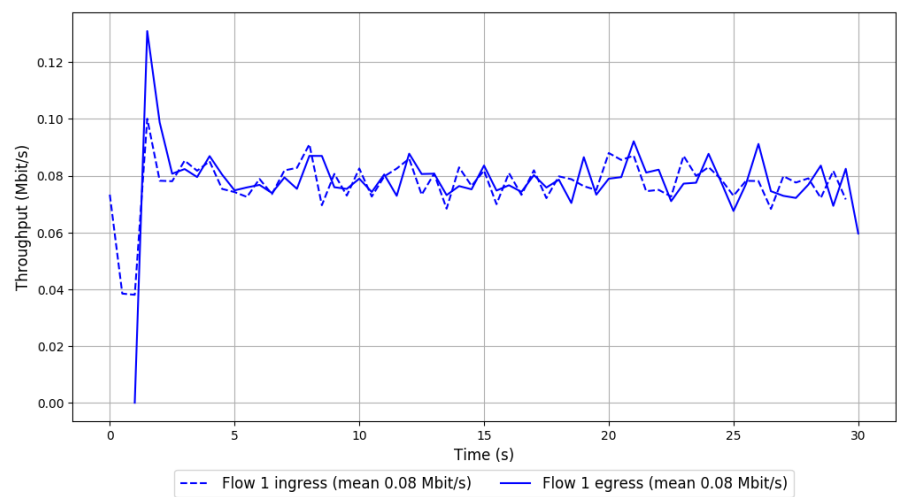


Run 7: Statistics of SCReAM

Start at: 2018-05-24 22:39:53
End at: 2018-05-24 22:40:23
Local clock offset: -3.654 ms
Remote clock offset: 13.196 ms

Below is generated by plot.py at 2018-05-24 23:48:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 137.272 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 137.272 ms
Loss rate: 0.64%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-05-24 22:57:52

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

Local clock offset: -2.424 ms

Remote clock offset: 15.74 ms

Below is generated by plot.py at 2018-05-24 23:48:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.08 Mbit/s

95th percentile per-packet one-way delay: 160.122 ms

Loss rate: 0.79%

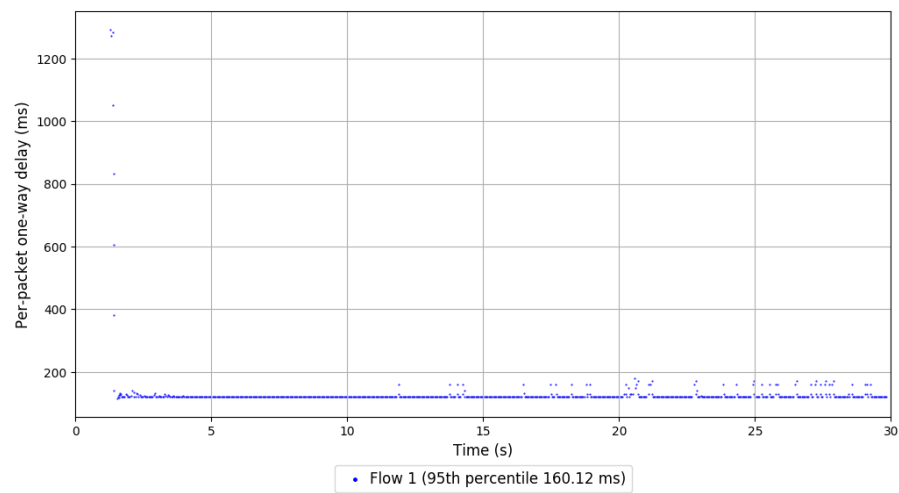
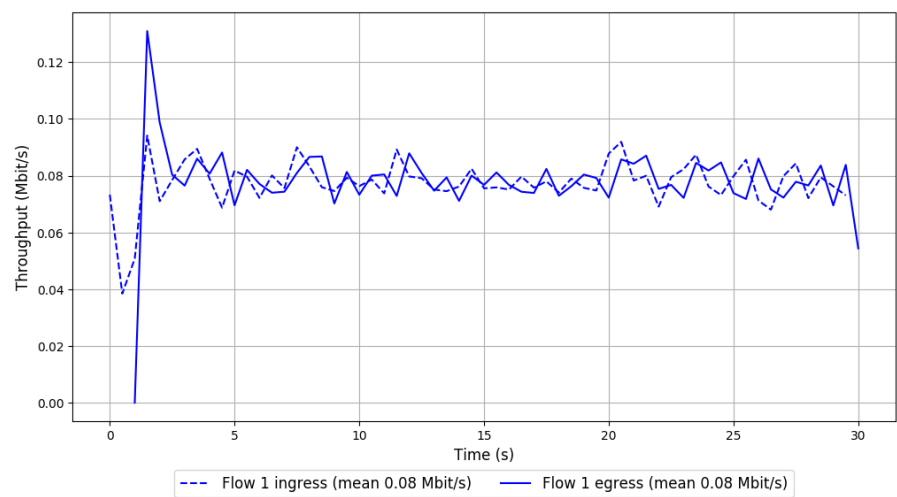
-- Flow 1:

Average throughput: 0.08 Mbit/s

95th percentile per-packet one-way delay: 160.122 ms

Loss rate: 0.79%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-05-24 23:15:53

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

Local clock offset: -5.435 ms

Remote clock offset: 6.686 ms

Below is generated by plot.py at 2018-05-24 23:48:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.08 Mbit/s

95th percentile per-packet one-way delay: 174.738 ms

Loss rate: 0.79%

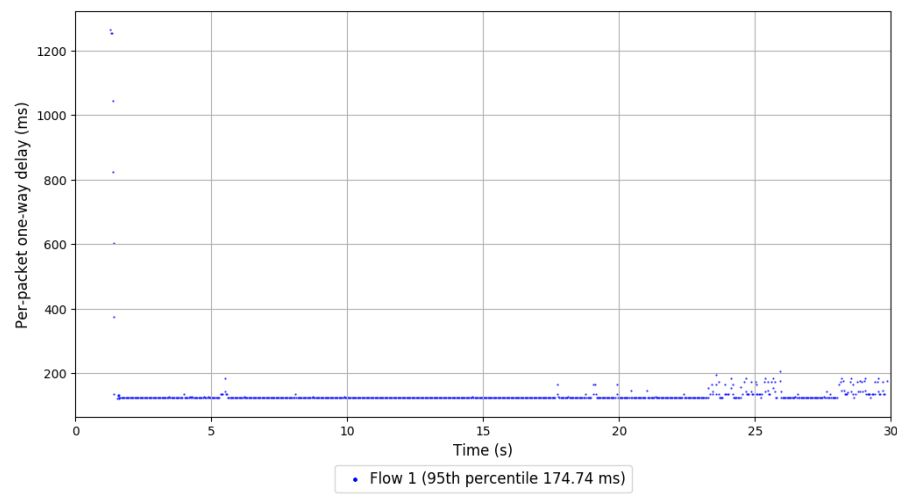
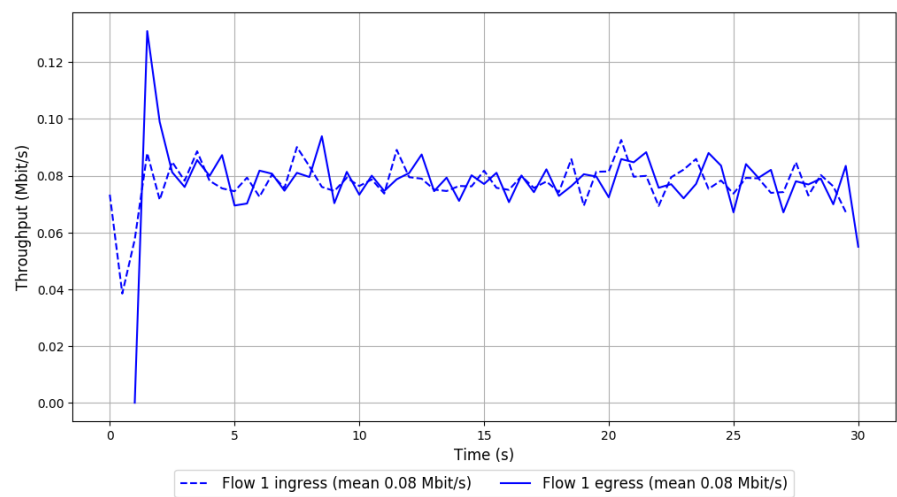
-- Flow 1:

Average throughput: 0.08 Mbit/s

95th percentile per-packet one-way delay: 174.738 ms

Loss rate: 0.79%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-05-24 23:33:55

End at: 2018-05-24 23:34:25

Local clock offset: -3.453 ms

Remote clock offset: 9.27 ms

Below is generated by plot.py at 2018-05-24 23:48:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.08 Mbit/s

95th percentile per-packet one-way delay: 151.823 ms

Loss rate: 0.79%

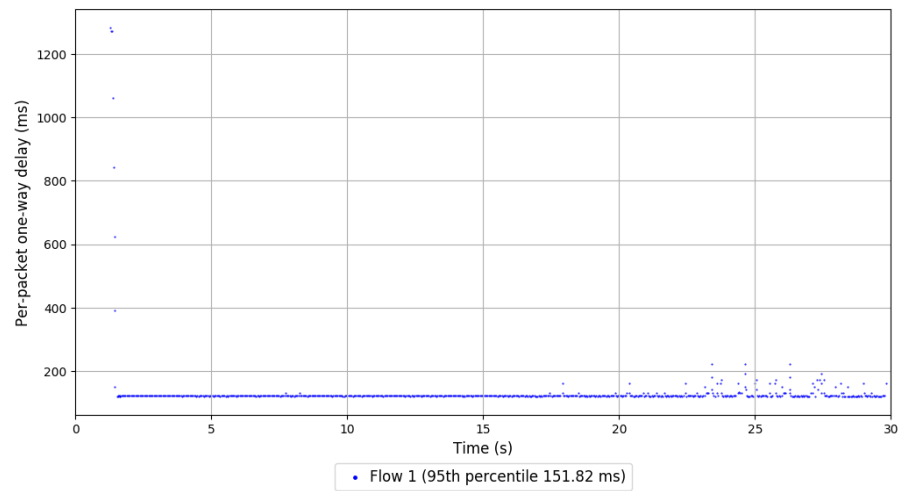
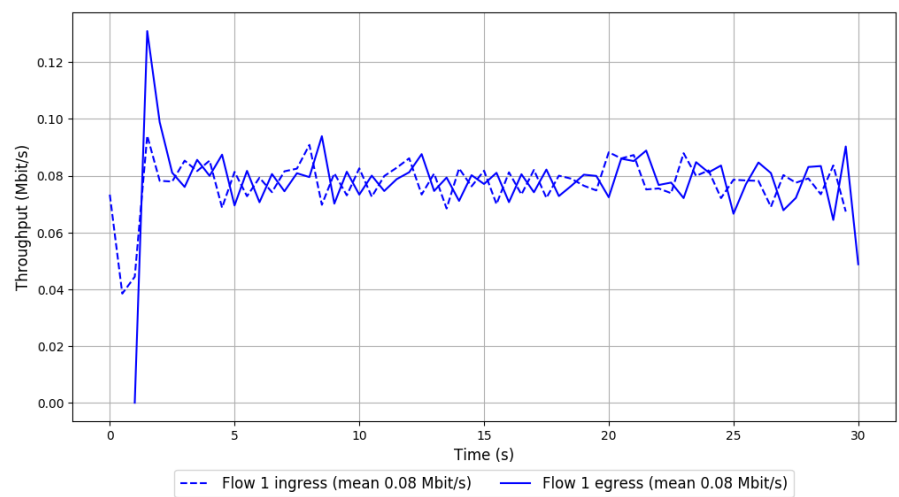
-- Flow 1:

Average throughput: 0.08 Mbit/s

95th percentile per-packet one-way delay: 151.823 ms

Loss rate: 0.79%

Run 10: Report of SCRaM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-05-24 20:56:44

End at: 2018-05-24 20:57:15

Local clock offset: -1.886 ms

Remote clock offset: 6.903 ms

Below is generated by plot.py at 2018-05-24 23:48:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 612.096 ms

Loss rate: 1.12%

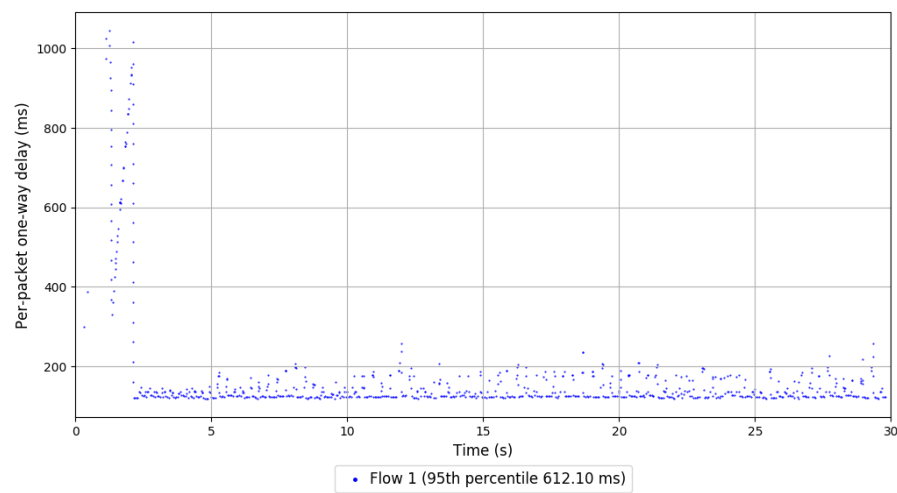
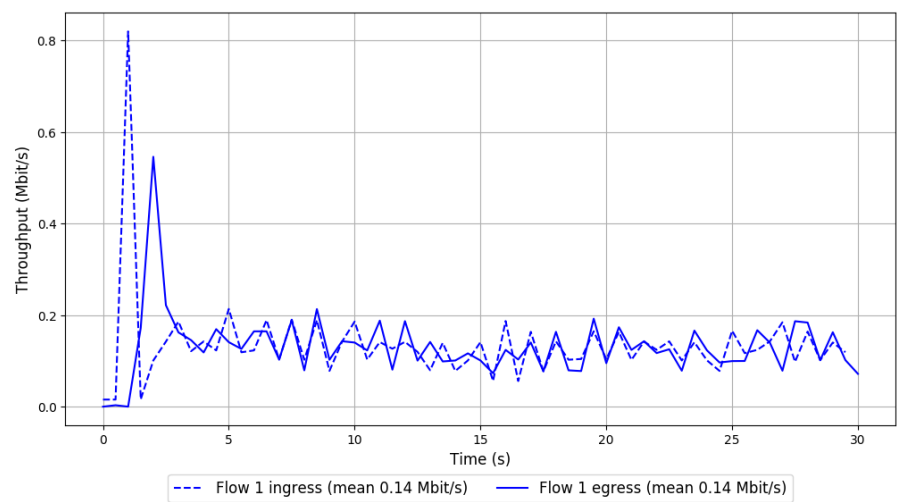
-- Flow 1:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 612.096 ms

Loss rate: 1.12%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-05-24 21:14:46

End at: 2018-05-24 21:15:16

Local clock offset: -6.898 ms

Remote clock offset: 8.747 ms

Below is generated by plot.py at 2018-05-24 23:48:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 1576.679 ms

Loss rate: 0.91%

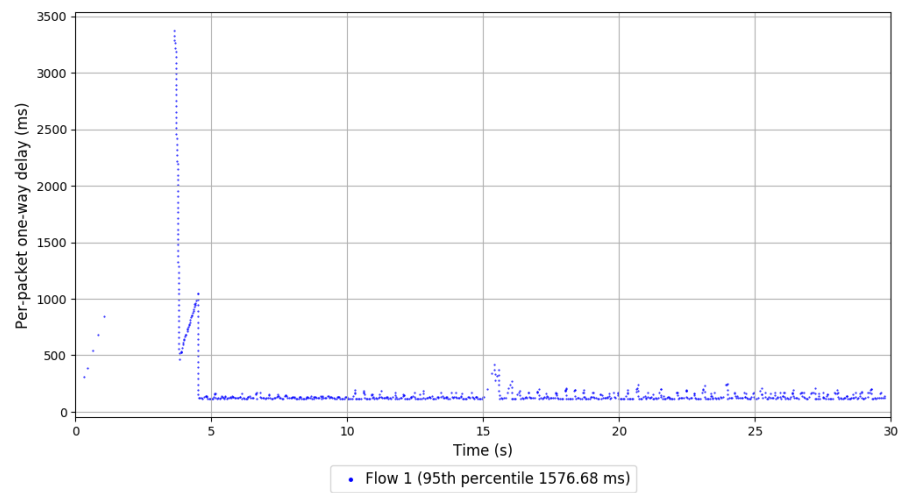
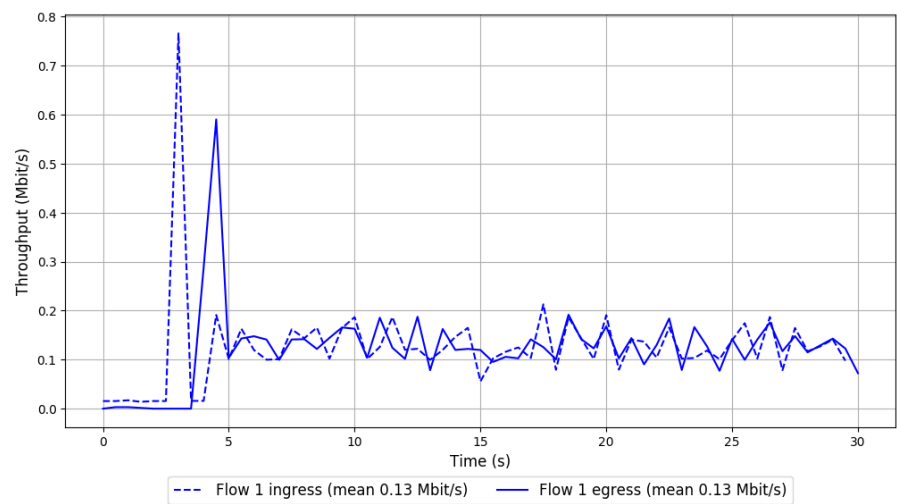
-- Flow 1:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 1576.679 ms

Loss rate: 0.91%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-05-24 21:32:53

End at: 2018-05-24 21:33:23

Local clock offset: -8.019 ms

Remote clock offset: 5.63 ms

Below is generated by plot.py at 2018-05-24 23:48:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 583.100 ms

Loss rate: 0.39%

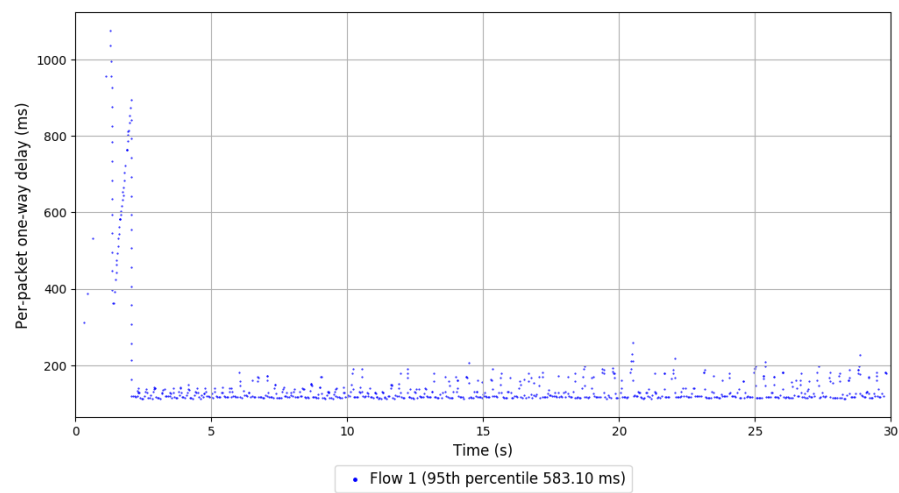
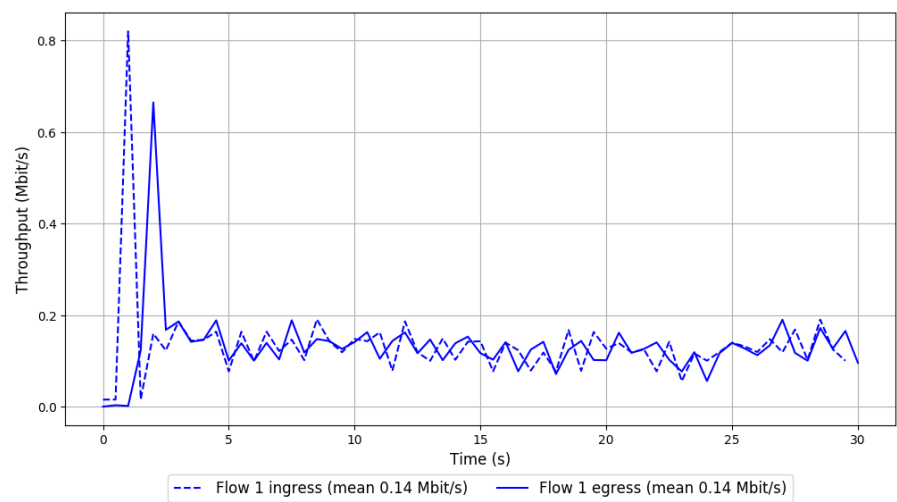
-- Flow 1:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 583.100 ms

Loss rate: 0.39%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-05-24 21:51:25

End at: 2018-05-24 21:51:55

Local clock offset: -7.302 ms

Remote clock offset: -0.85 ms

Below is generated by plot.py at 2018-05-24 23:49:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 739.764 ms

Loss rate: 0.11%

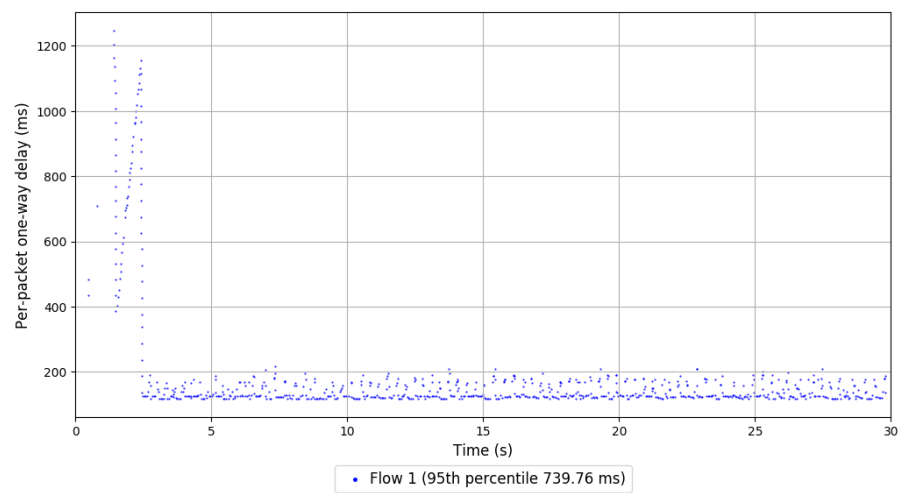
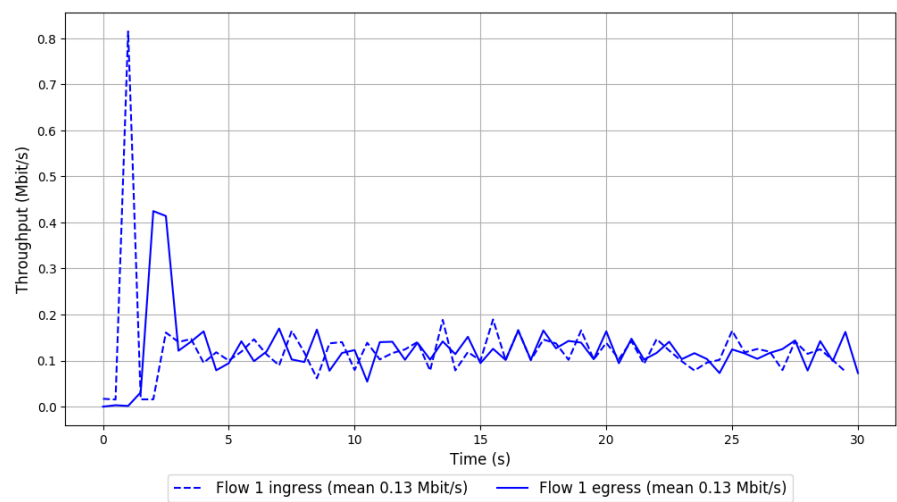
-- Flow 1:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 739.764 ms

Loss rate: 0.11%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-05-24 22:10:01

End at: 2018-05-24 22:10:31

Local clock offset: -7.018 ms

Remote clock offset: 1.368 ms

Below is generated by plot.py at 2018-05-24 23:49:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.12 Mbit/s

95th percentile per-packet one-way delay: 797.995 ms

Loss rate: 1.09%

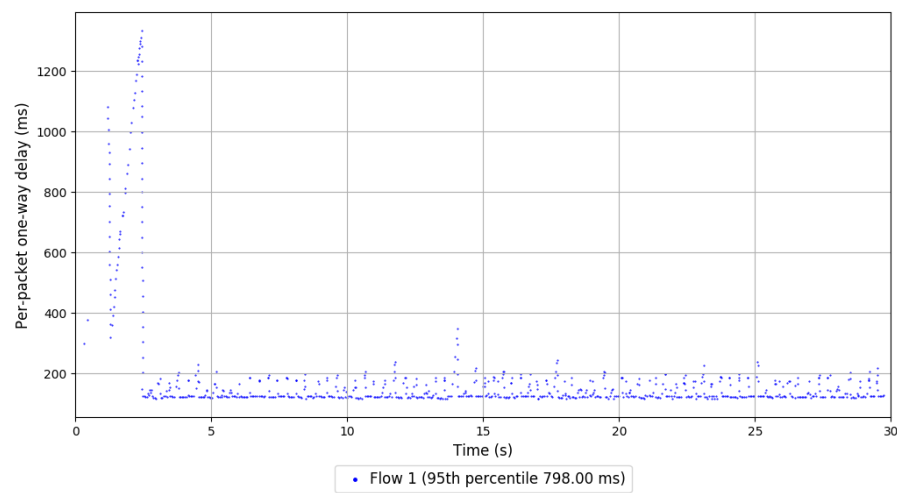
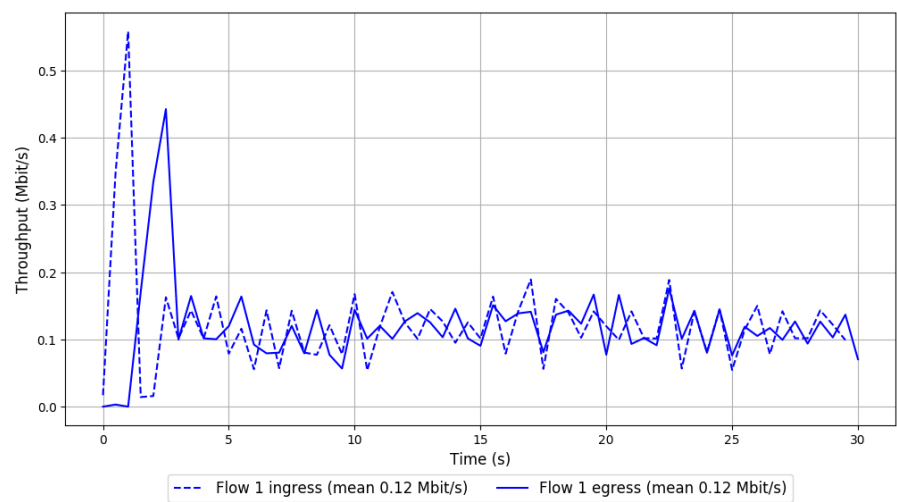
-- Flow 1:

Average throughput: 0.12 Mbit/s

95th percentile per-packet one-way delay: 797.995 ms

Loss rate: 1.09%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-05-24 22:28:21

End at: 2018-05-24 22:28:51

Local clock offset: -5.92 ms

Remote clock offset: 3.388 ms

Below is generated by plot.py at 2018-05-24 23:49:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 601.761 ms

Loss rate: 0.87%

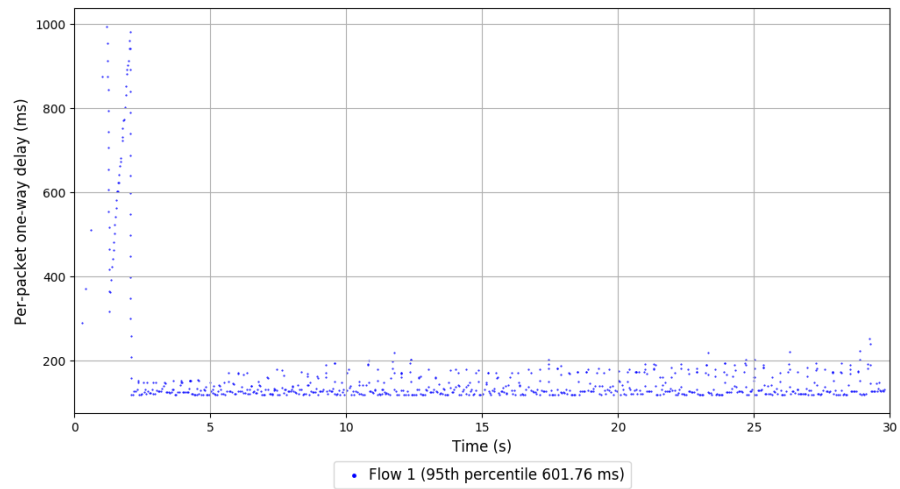
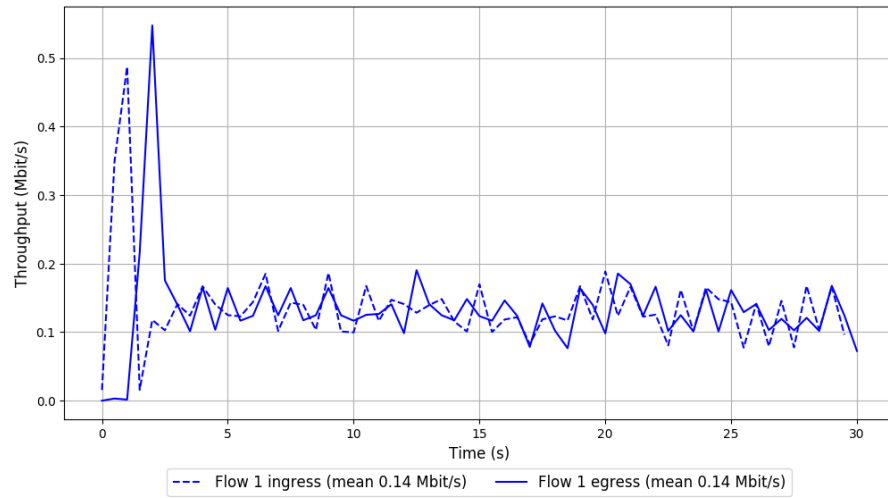
-- Flow 1:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 601.761 ms

Loss rate: 0.87%

Run 6: Report of Sprout — Data Link

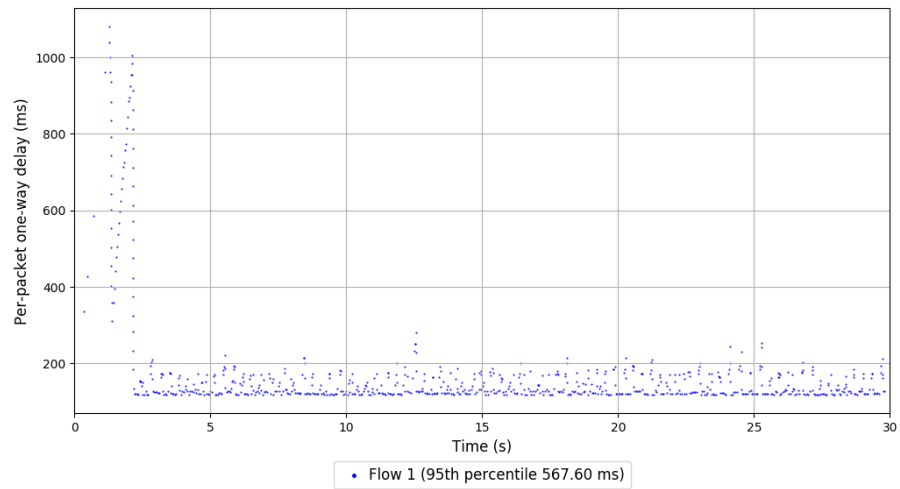
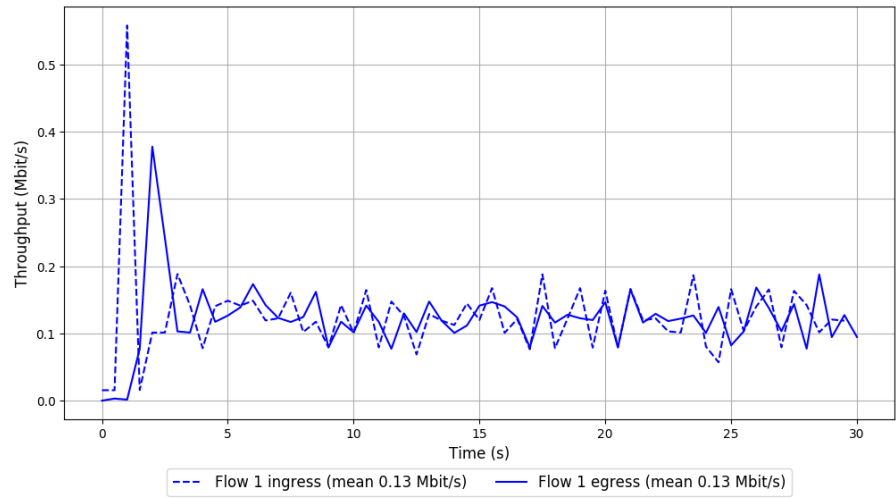


Run 7: Statistics of Sprout

Start at: 2018-05-24 22:46:36
End at: 2018-05-24 22:47:06
Local clock offset: -2.821 ms
Remote clock offset: 11.1 ms

Below is generated by plot.py at 2018-05-24 23:49:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 567.598 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 567.598 ms
Loss rate: 0.91%

Run 7: Report of Sprout — Data Link

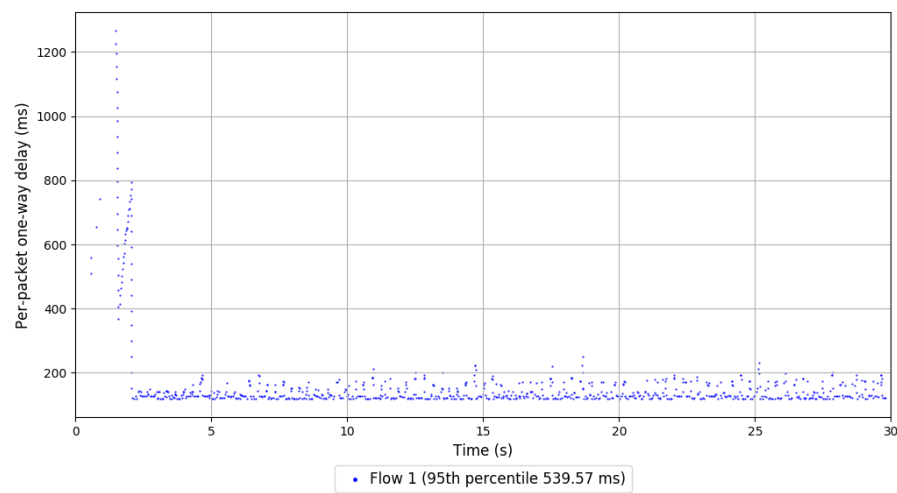
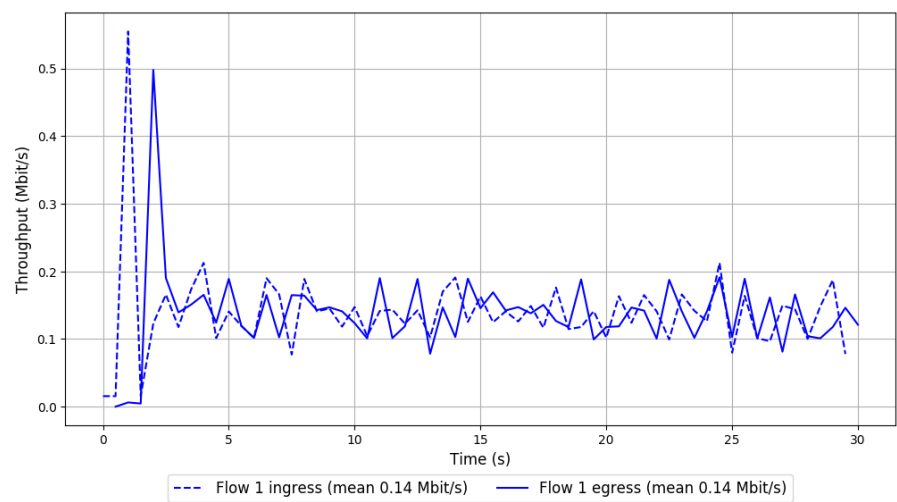


Run 8: Statistics of Sprout

Start at: 2018-05-24 23:04:35
End at: 2018-05-24 23:05:05
Local clock offset: -5.463 ms
Remote clock offset: 8.291 ms

Below is generated by plot.py at 2018-05-24 23:49:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 539.568 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 539.568 ms
Loss rate: 0.86%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-05-24 23:22:36

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

Local clock offset: -6.585 ms

Remote clock offset: 6.585 ms

Below is generated by plot.py at 2018-05-24 23:49:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 522.569 ms

Loss rate: 1.39%

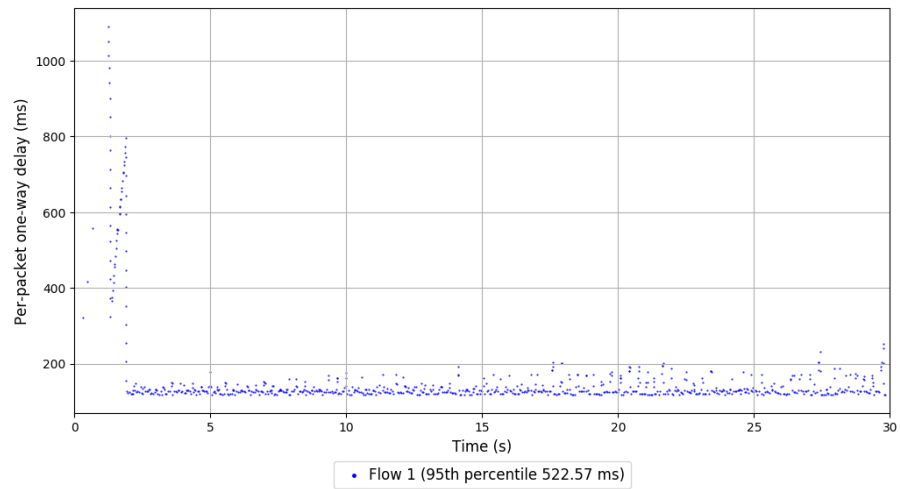
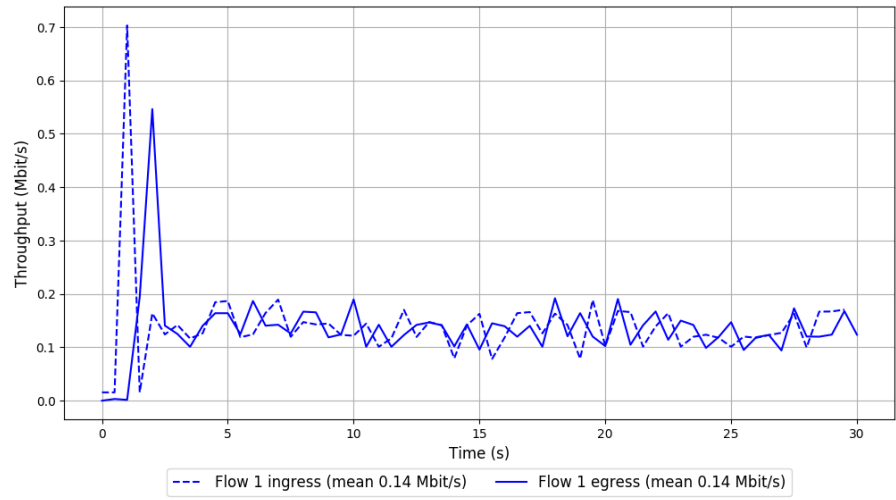
-- Flow 1:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 522.569 ms

Loss rate: 1.39%

Run 9: Report of Sprout — Data Link

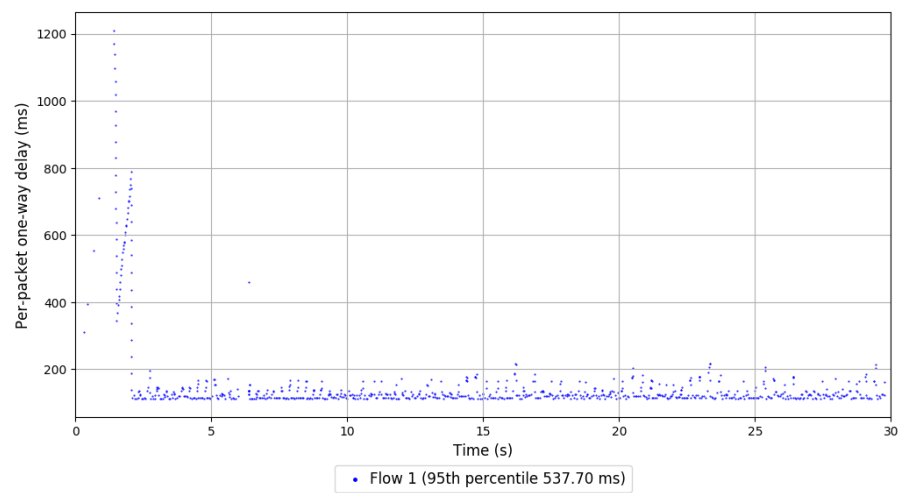
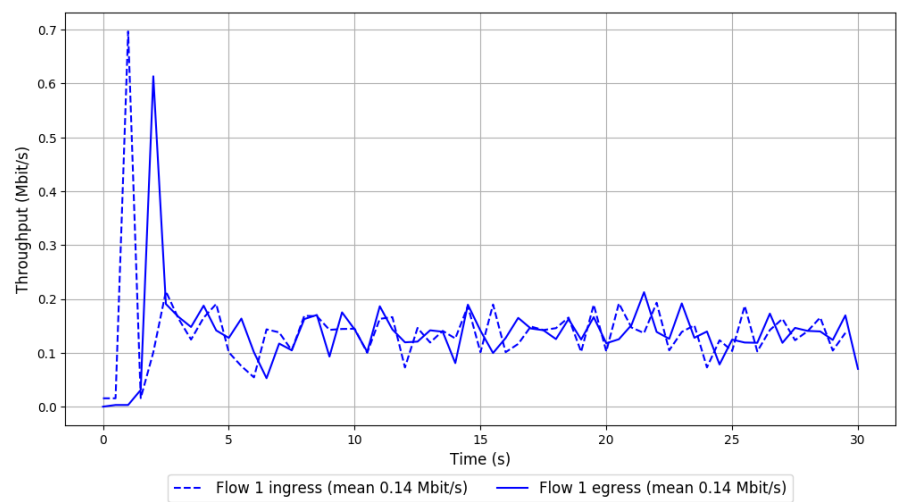


Run 10: Statistics of Sprout

Start at: 2018-05-24 23:40:38
End at: 2018-05-24 23:41:08
Local clock offset: -2.848 ms
Remote clock offset: 10.385 ms

Below is generated by plot.py at 2018-05-24 23:49:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 537.700 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 537.700 ms
Loss rate: 0.83%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-05-24 20:55:37

End at: 2018-05-24 20:56:07

Local clock offset: -1.337 ms

Remote clock offset: 6.188 ms

Below is generated by plot.py at 2018-05-24 23:49:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 1444.106 ms

Loss rate: 2.64%

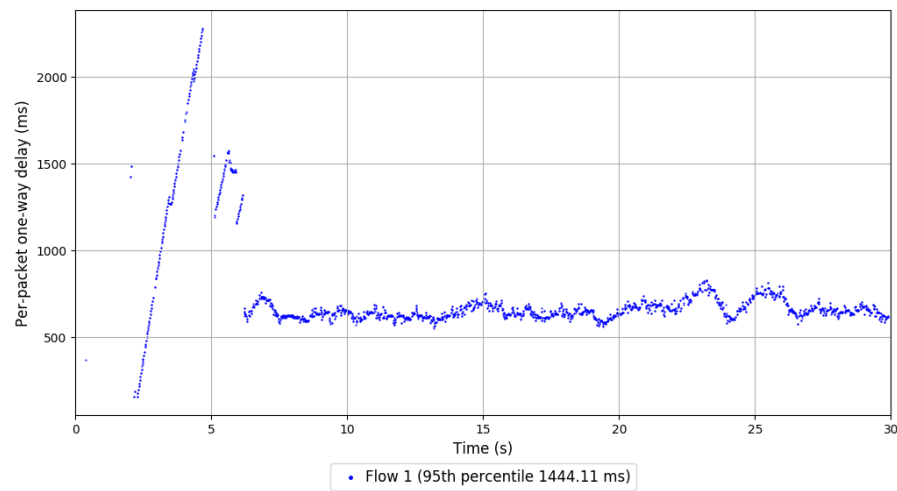
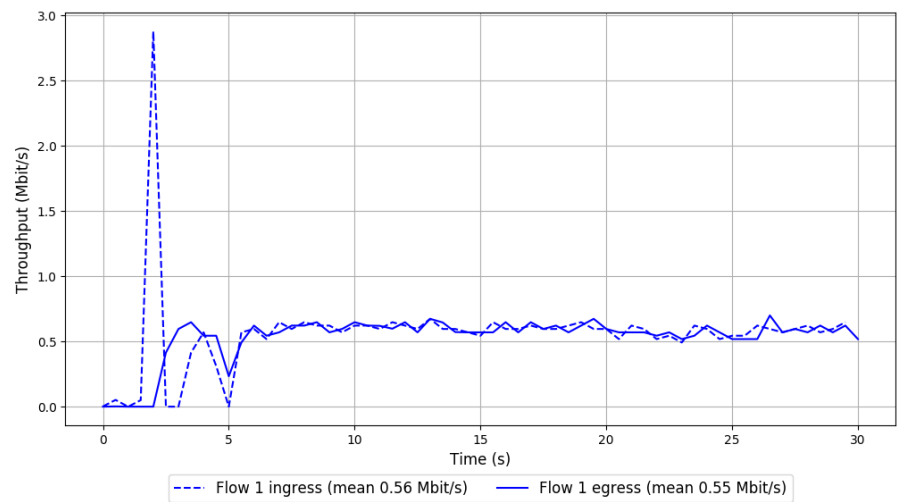
-- Flow 1:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 1444.106 ms

Loss rate: 2.64%

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



Run 2: Statistics of TaoVA-100x

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

End at: 2018-05-24 21:14:08

Local clock offset: -6.001 ms

Remote clock offset: 5.452 ms

Below is generated by plot.py at 2018-05-24 23:49:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.56 Mbit/s

95th percentile per-packet one-way delay: 1211.621 ms

Loss rate: 2.46%

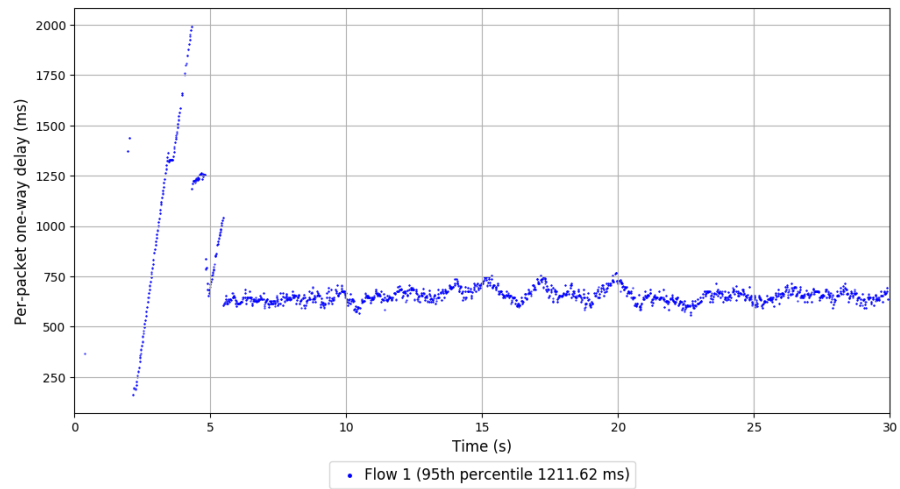
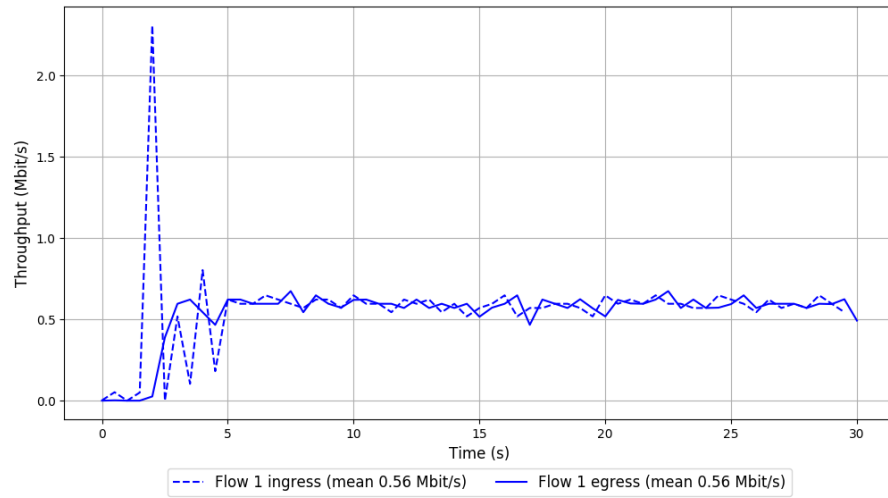
-- Flow 1:

Average throughput: 0.56 Mbit/s

95th percentile per-packet one-way delay: 1211.621 ms

Loss rate: 2.46%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-05-24 21:31:45

End at: 2018-05-24 21:32:15

Local clock offset: -6.618 ms

Remote clock offset: 4.883 ms

Below is generated by plot.py at 2018-05-24 23:49:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.56 Mbit/s

95th percentile per-packet one-way delay: 1016.336 ms

Loss rate: 2.69%

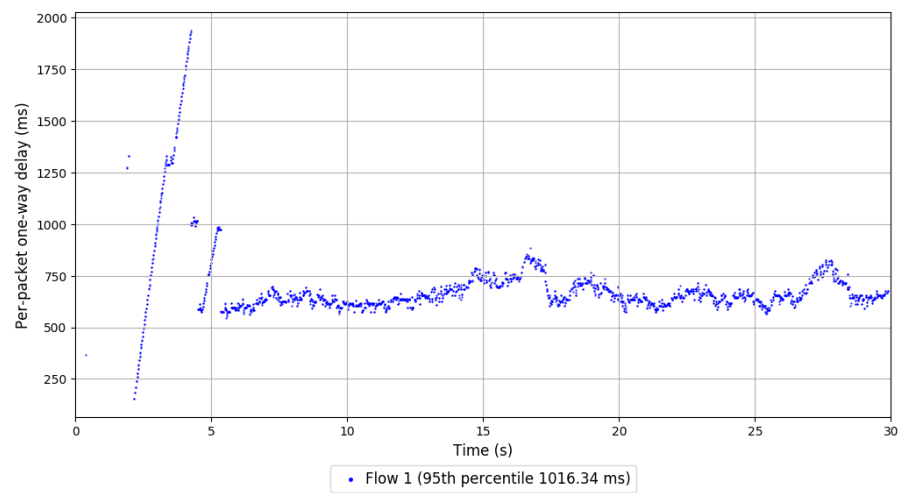
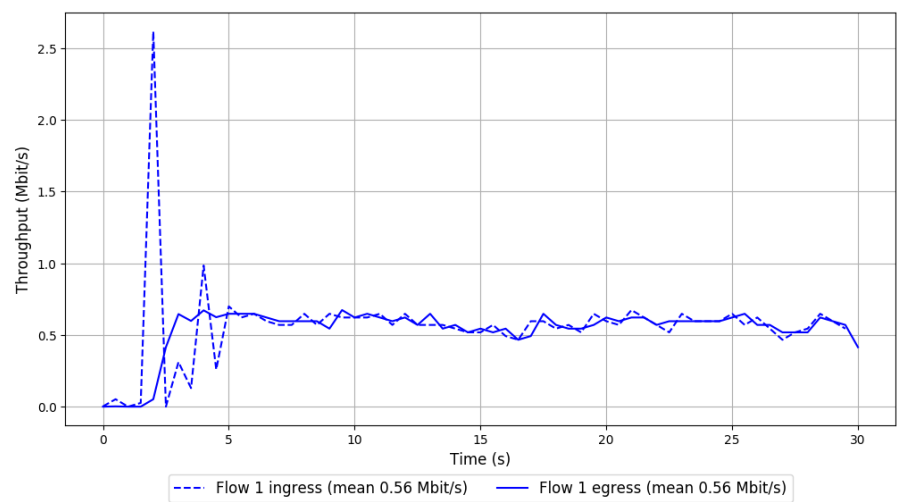
-- Flow 1:

Average throughput: 0.56 Mbit/s

95th percentile per-packet one-way delay: 1016.336 ms

Loss rate: 2.69%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-05-24 21:50:18

End at: 2018-05-24 21:50:48

Local clock offset: -7.206 ms

Remote clock offset: 3.206 ms

Below is generated by plot.py at 2018-05-24 23:49:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 1843.850 ms

Loss rate: 3.88%

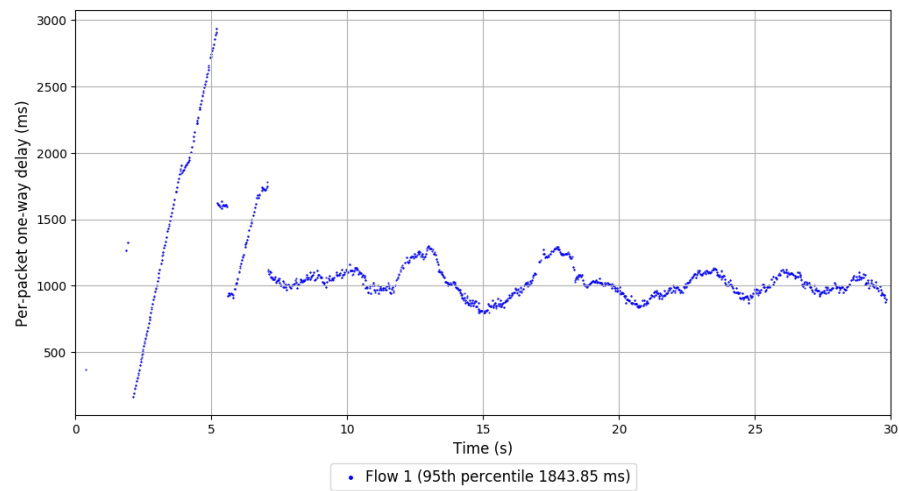
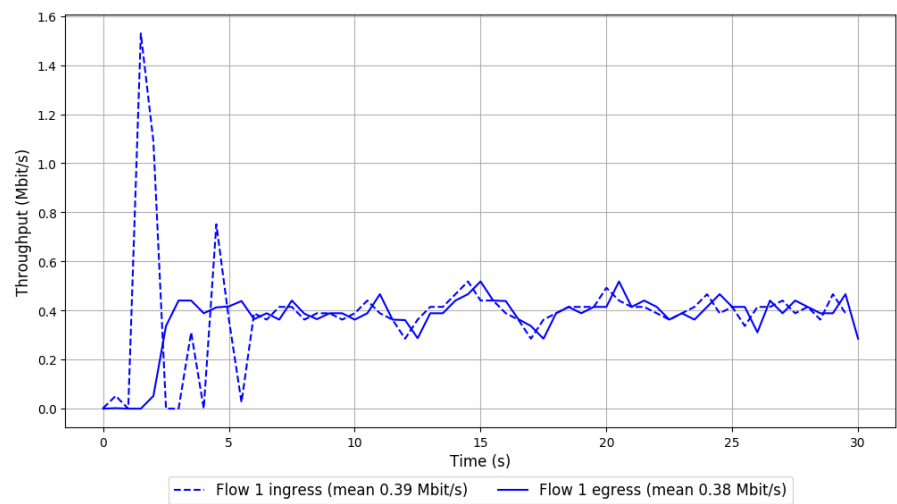
-- Flow 1:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 1843.850 ms

Loss rate: 3.88%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-05-24 22:08:53

End at: 2018-05-24 22:09:23

Local clock offset: -6.245 ms

Remote clock offset: 0.578 ms

Below is generated by plot.py at 2018-05-24 23:49:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 1293.126 ms

Loss rate: 3.06%

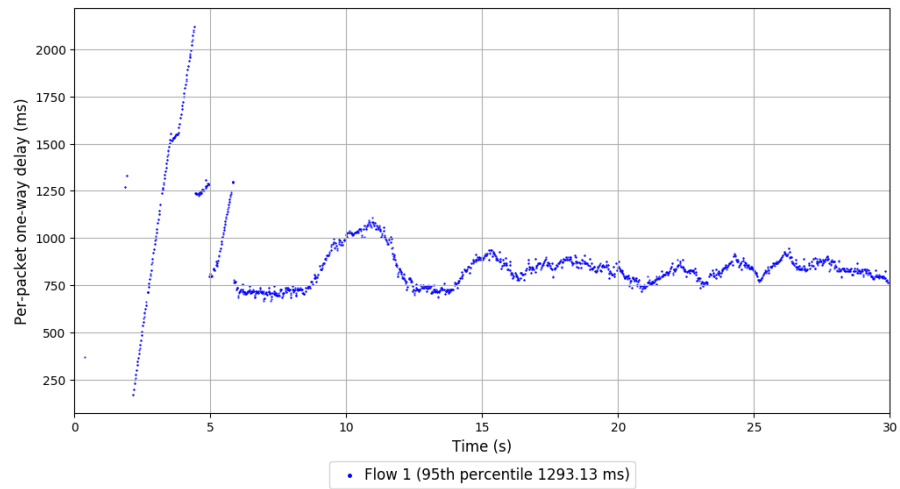
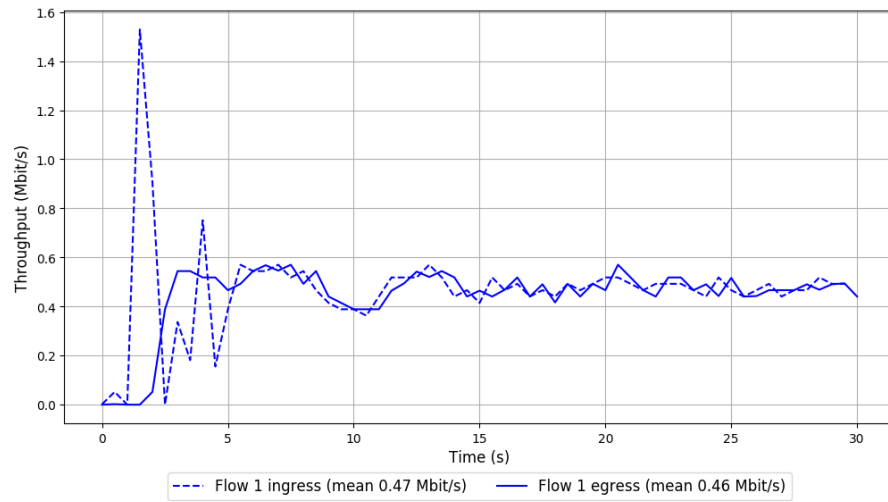
-- Flow 1:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 1293.126 ms

Loss rate: 3.06%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-05-24 22:27:14

End at: 2018-05-24 22:27:44

Local clock offset: -6.365 ms

Remote clock offset: 1.712 ms

Below is generated by plot.py at 2018-05-24 23:49:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 1125.149 ms

Loss rate: 2.87%

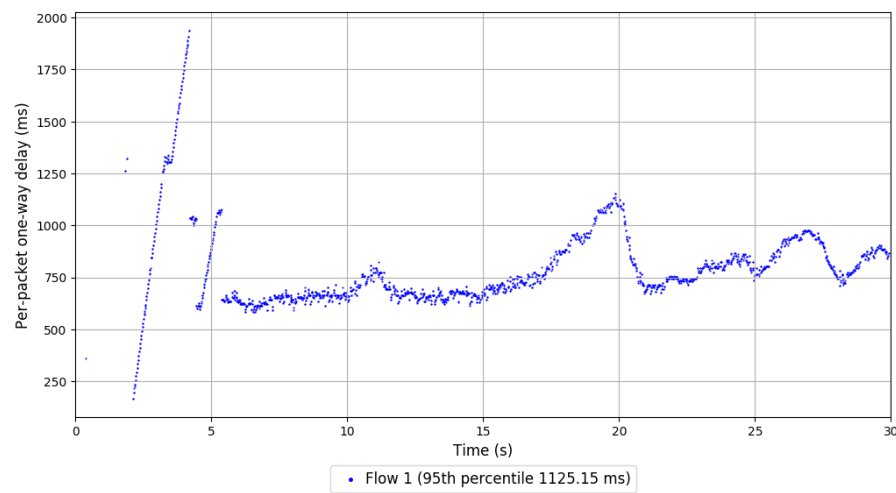
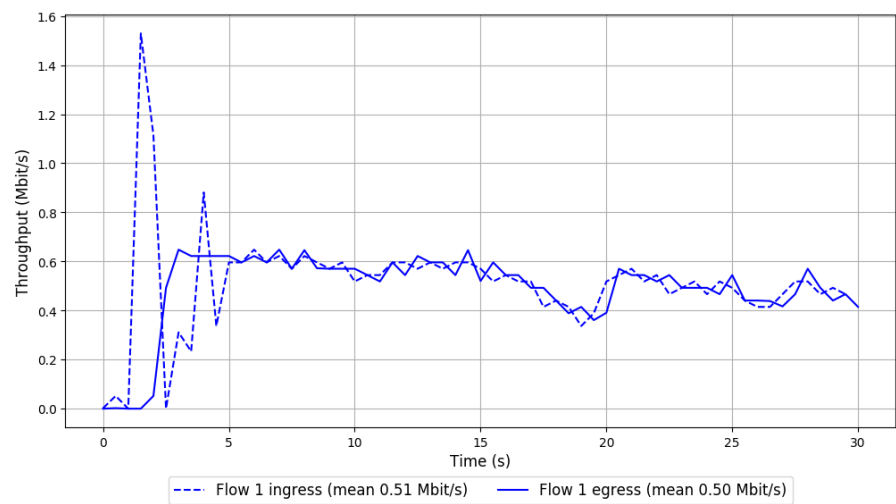
-- Flow 1:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 1125.149 ms

Loss rate: 2.87%

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

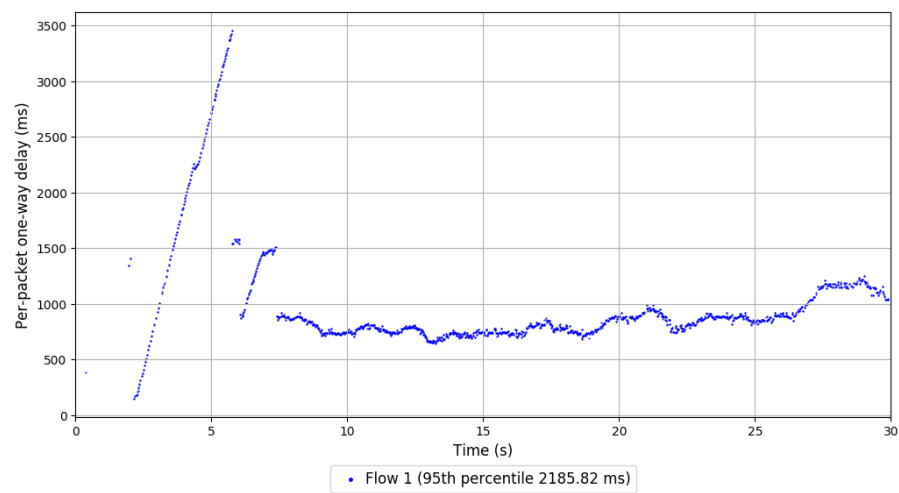
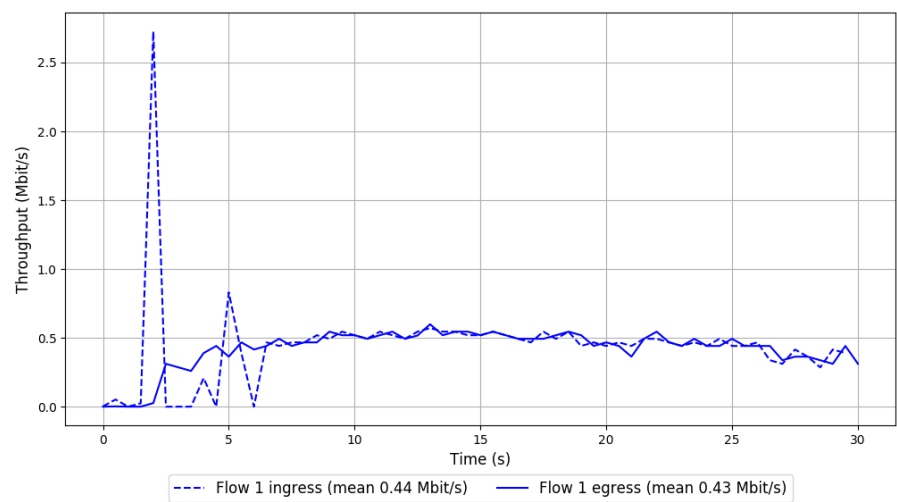


Run 7: Statistics of TaoVA-100x

Start at: 2018-05-24 22:45:29
End at: 2018-05-24 22:45:59
Local clock offset: -2.119 ms
Remote clock offset: 15.466 ms

Below is generated by plot.py at 2018-05-24 23:49:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2185.821 ms
Loss rate: 3.33%
-- Flow 1:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2185.821 ms
Loss rate: 3.33%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-05-24 23:03:28

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

Local clock offset: -4.39 ms

Remote clock offset: 8.06 ms

Below is generated by plot.py at 2018-05-24 23:49:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 1031.532 ms

Loss rate: 2.56%

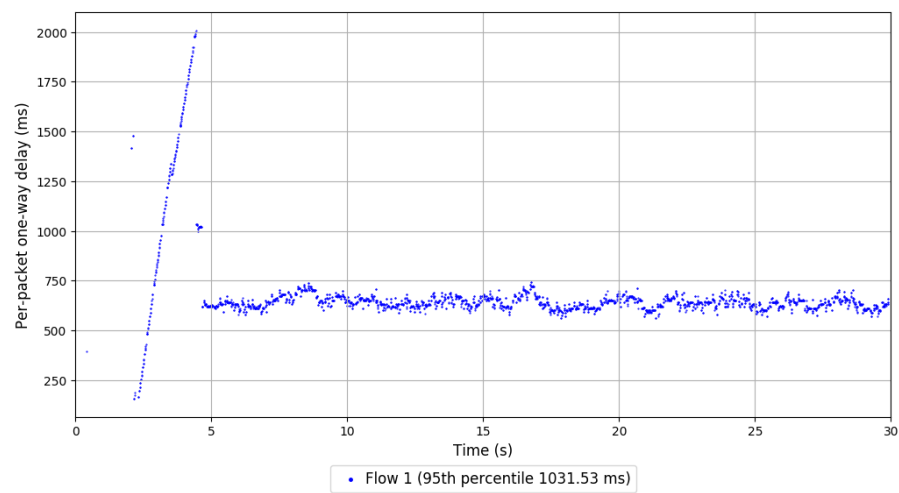
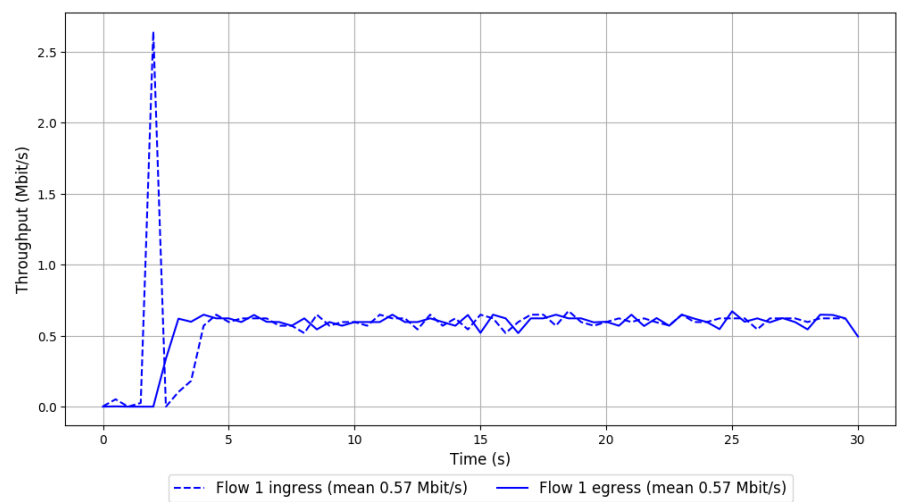
-- Flow 1:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 1031.532 ms

Loss rate: 2.56%

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

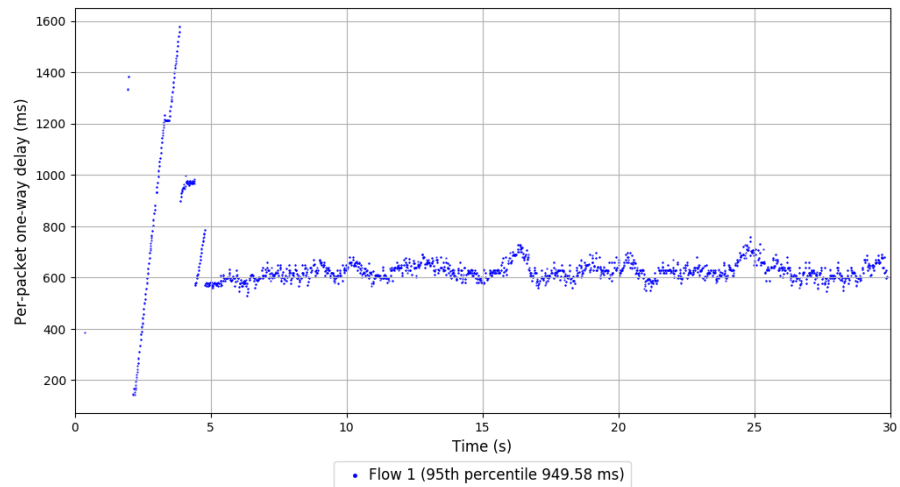
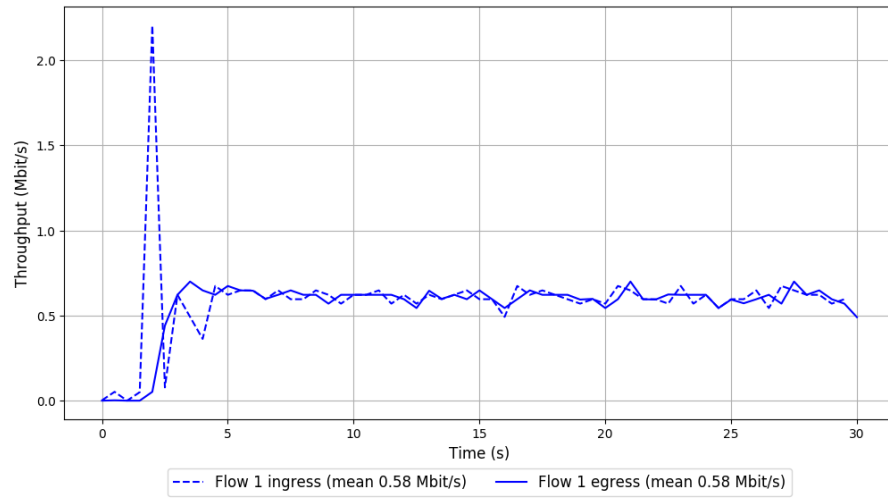


Run 9: Statistics of TaoVA-100x

Start at: 2018-05-24 23:21:29
End at: 2018-05-24 23:21:59
Local clock offset: -6.591 ms
Remote clock offset: 10.337 ms

Below is generated by plot.py at 2018-05-24 23:49:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 949.584 ms
Loss rate: 2.52%
-- Flow 1:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 949.584 ms
Loss rate: 2.52%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-05-24 23:39:30

End at: 2018-05-24 23:40:00

Local clock offset: -2.288 ms

Remote clock offset: 5.014 ms

Below is generated by plot.py at 2018-05-24 23:49:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 1003.010 ms

Loss rate: 2.46%

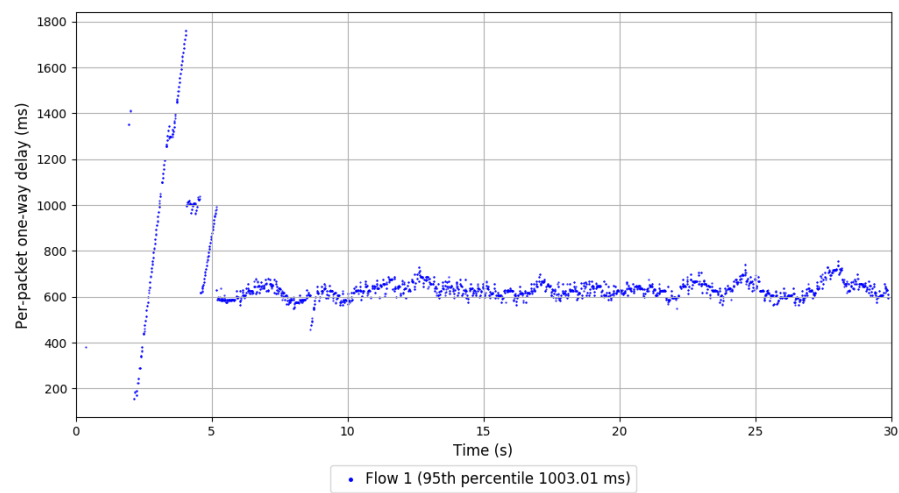
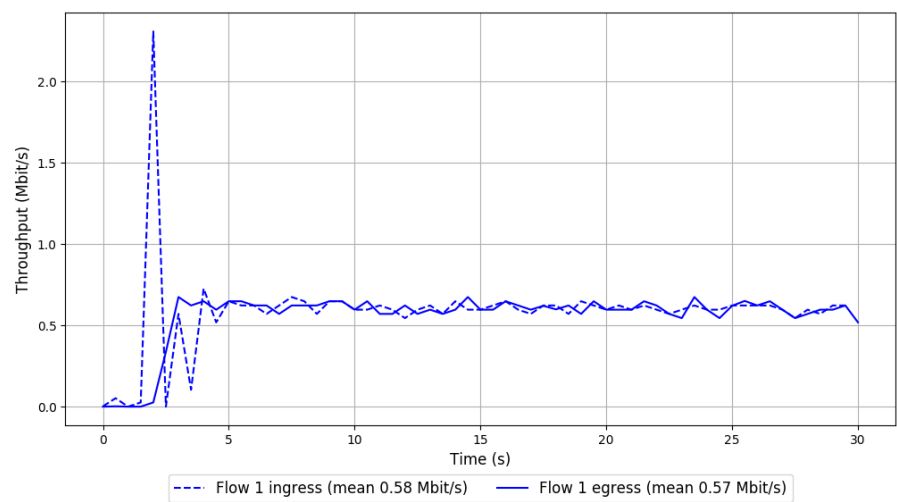
-- Flow 1:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 1003.010 ms

Loss rate: 2.46%

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

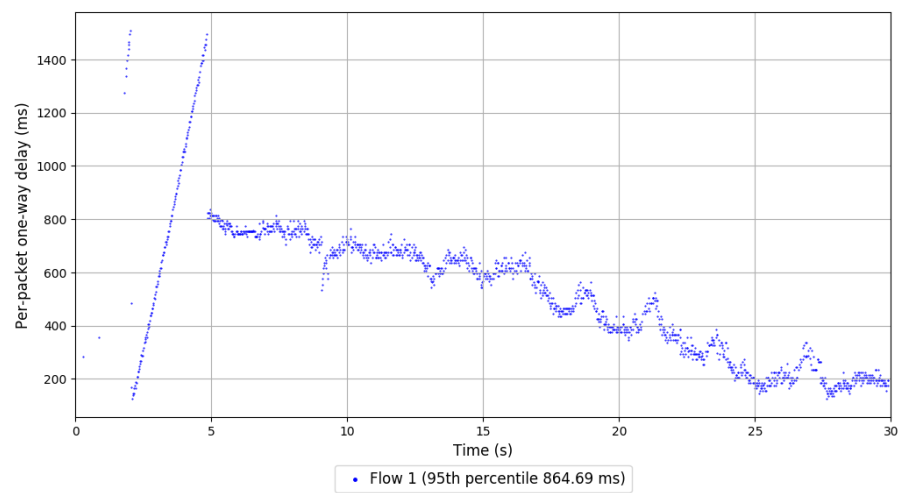
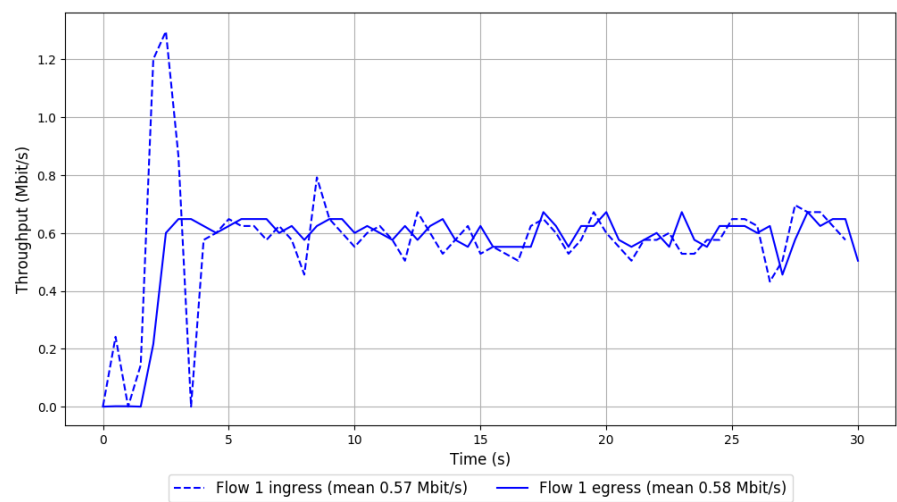


Run 1: Statistics of TCP Vegas

Start at: 2018-05-24 20:57:52
End at: 2018-05-24 20:58:22
Local clock offset: -3.359 ms
Remote clock offset: 11.369 ms

Below is generated by plot.py at 2018-05-24 23:49:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 864.693 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 864.693 ms
Loss rate: 0.91%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-05-24 21:15:53

End at: 2018-05-24 21:16:23

Local clock offset: -7.049 ms

Remote clock offset: 5.176 ms

Below is generated by plot.py at 2018-05-24 23:49:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 950.605 ms

Loss rate: 1.18%

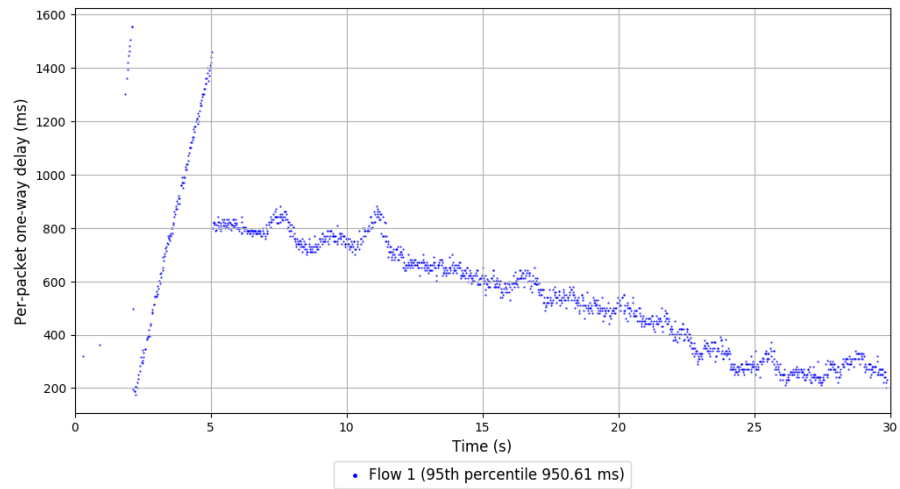
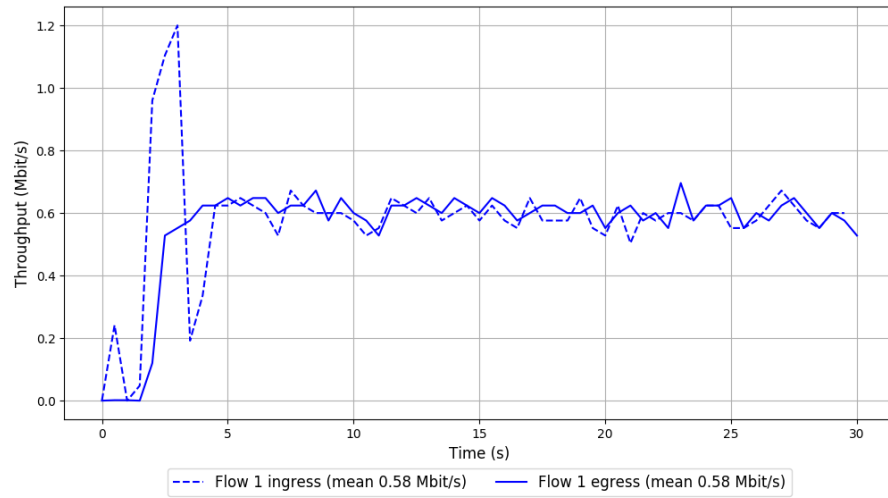
-- Flow 1:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 950.605 ms

Loss rate: 1.18%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-05-24 21:34:00

End at: 2018-05-24 21:34:30

Local clock offset: -7.282 ms

Remote clock offset: 5.472 ms

Below is generated by plot.py at 2018-05-24 23:49:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 922.627 ms

Loss rate: 1.01%

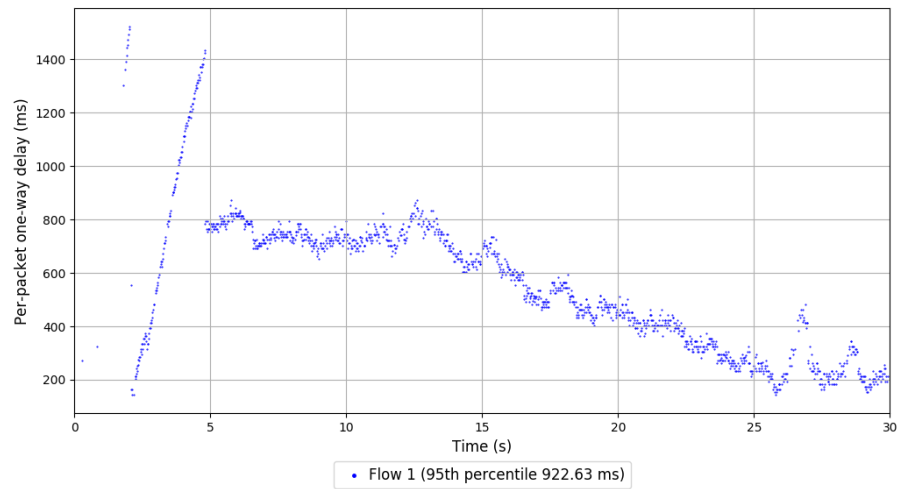
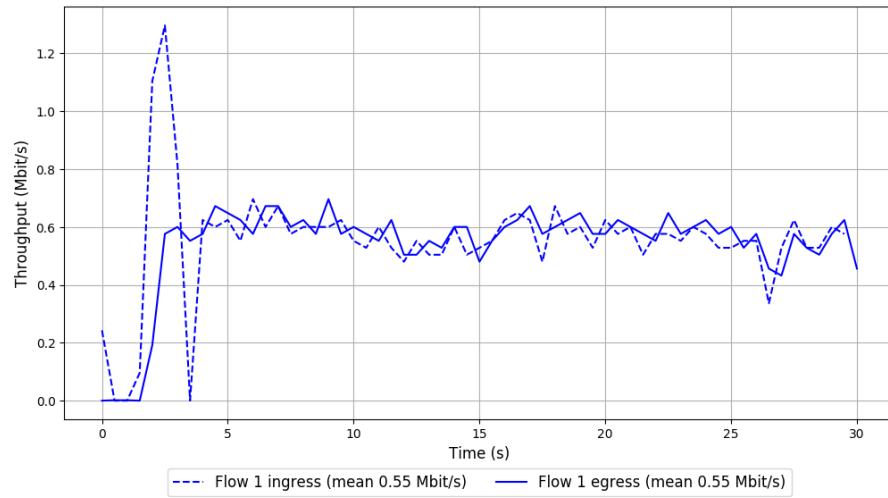
-- Flow 1:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 922.627 ms

Loss rate: 1.01%

Run 3: Report of TCP Vegas — Data Link

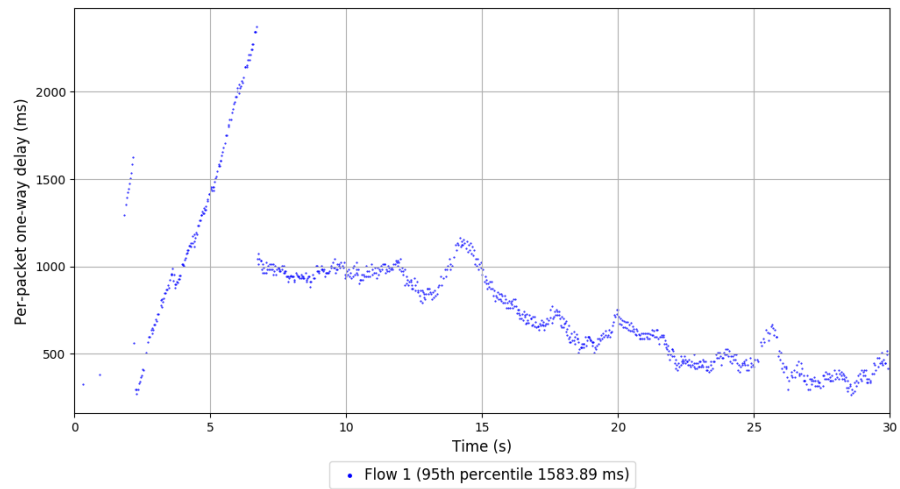
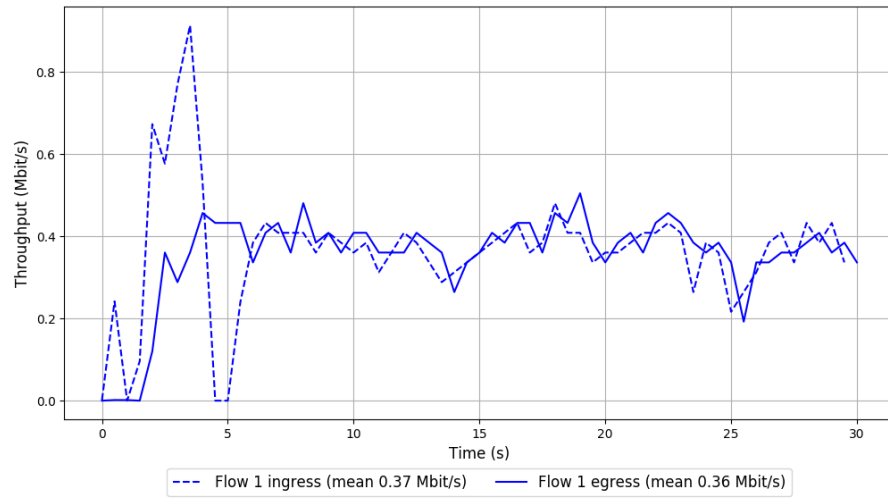


Run 4: Statistics of TCP Vegas

Start at: 2018-05-24 21:52:32
End at: 2018-05-24 21:53:02
Local clock offset: -7.266 ms
Remote clock offset: -1.831 ms

Below is generated by plot.py at 2018-05-24 23:49:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 1583.889 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 1583.889 ms
Loss rate: 1.64%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-05-24 22:11:08

End at: 2018-05-24 22:11:38

Local clock offset: -7.854 ms

Remote clock offset: 0.497 ms

Below is generated by plot.py at 2018-05-24 23:49:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 1429.408 ms

Loss rate: 1.46%

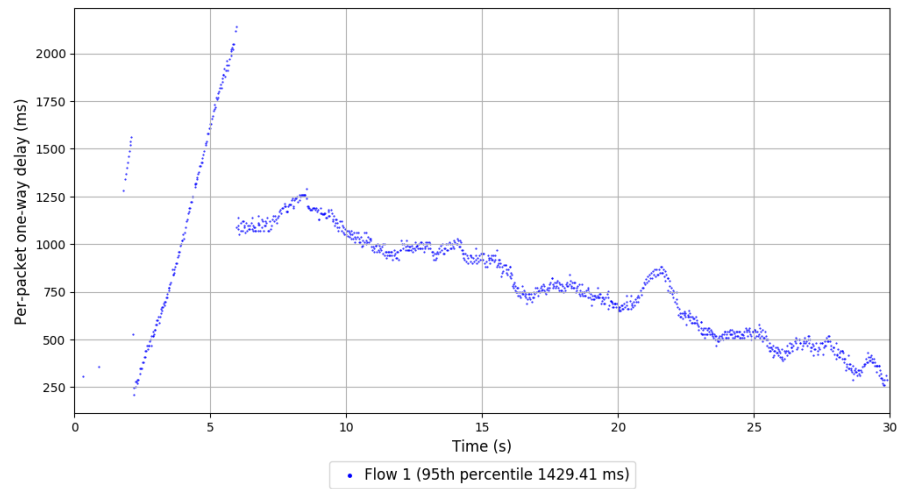
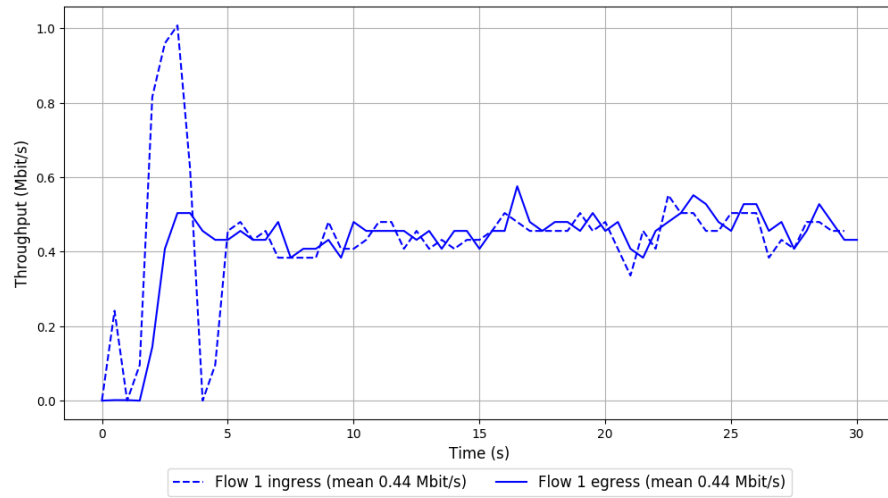
-- Flow 1:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 1429.408 ms

Loss rate: 1.46%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-05-24 22:29:28

End at: 2018-05-24 22:29:58

Local clock offset: -5.347 ms

Remote clock offset: 8.913 ms

Below is generated by plot.py at 2018-05-24 23:49:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 1070.387 ms

Loss rate: 1.30%

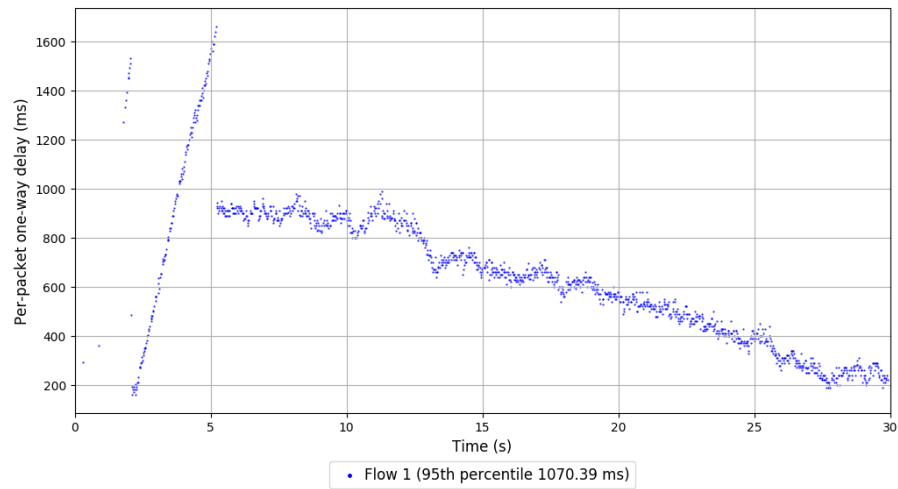
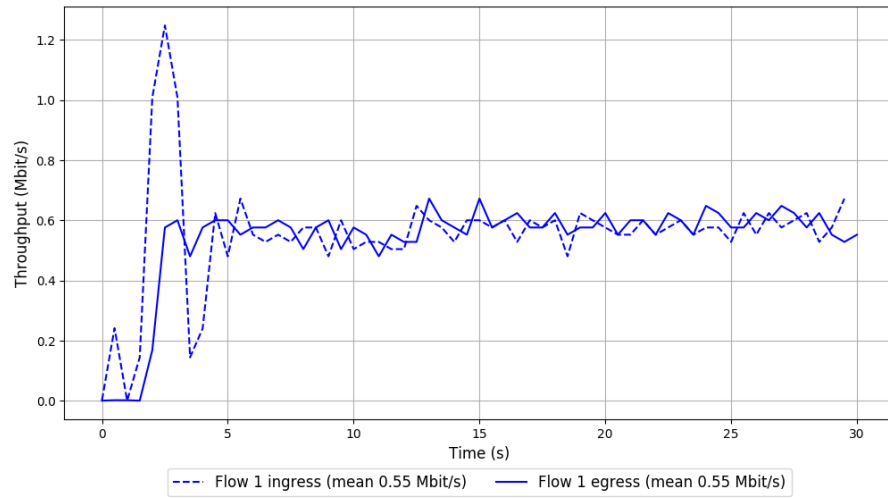
-- Flow 1:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 1070.387 ms

Loss rate: 1.30%

Run 6: Report of TCP Vegas — Data Link

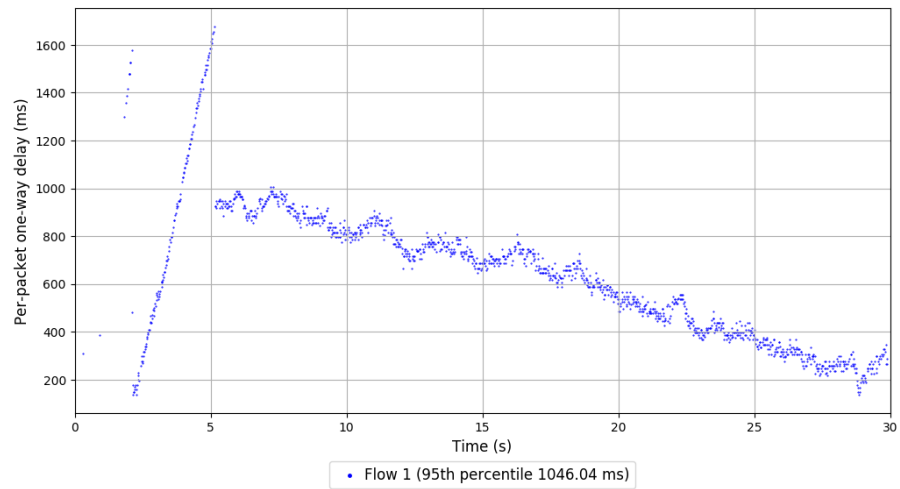
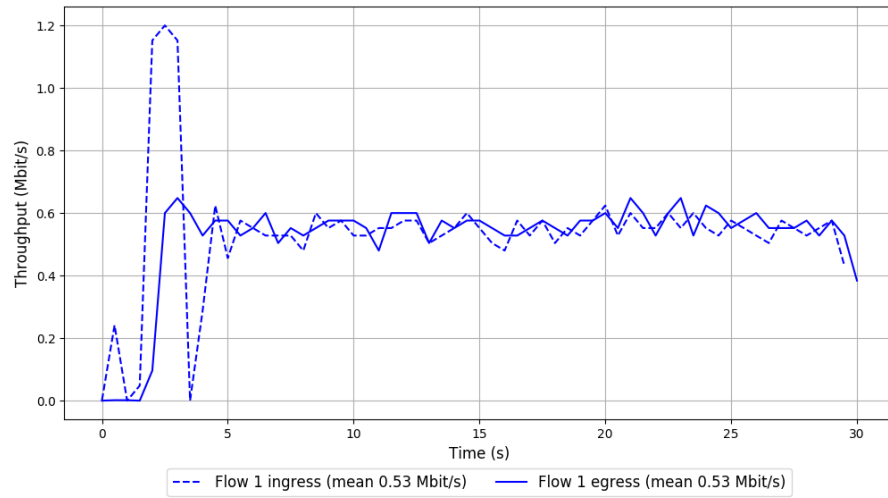


Run 7: Statistics of TCP Vegas

Start at: 2018-05-24 22:47:43
End at: 2018-05-24 22:48:13
Local clock offset: -2.658 ms
Remote clock offset: 16.034 ms

Below is generated by plot.py at 2018-05-24 23:49:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 1046.039 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 1046.039 ms
Loss rate: 1.12%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

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

End at: 2018-05-24 23:06:12

Local clock offset: -4.13 ms

Remote clock offset: 7.936 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 911.615 ms

Loss rate: 1.05%

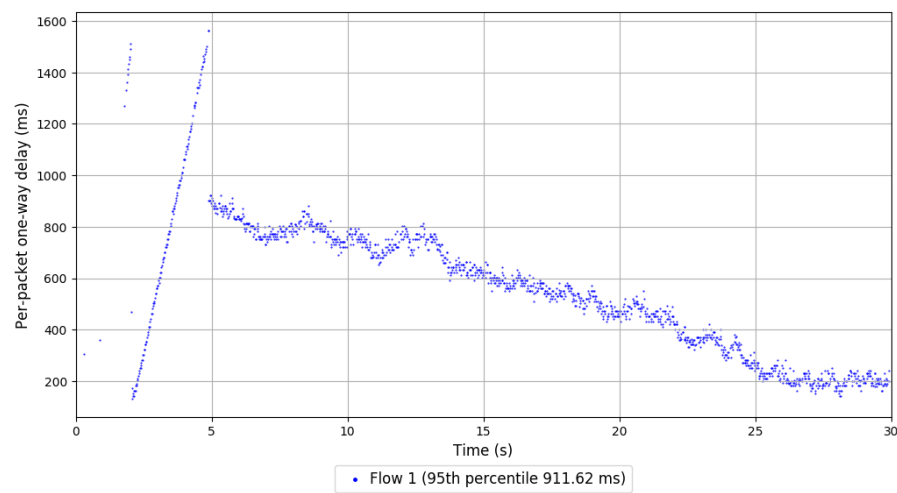
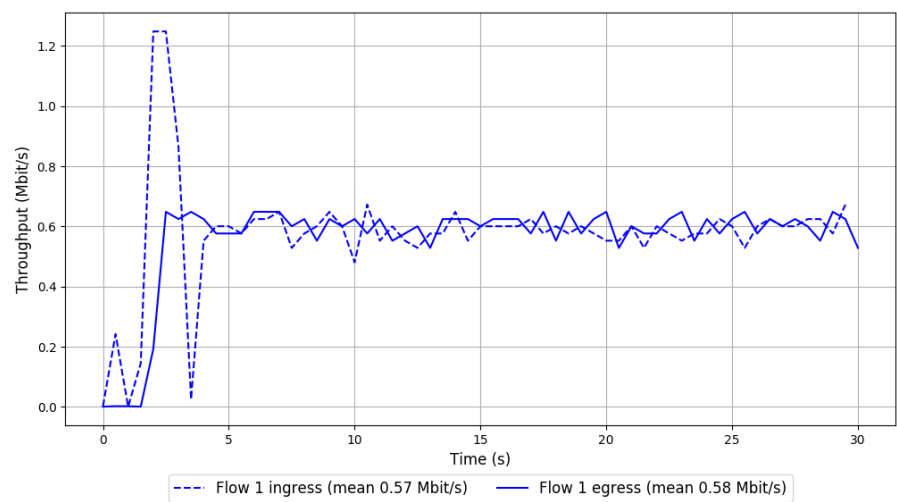
-- Flow 1:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 911.615 ms

Loss rate: 1.05%

Run 8: Report of TCP Vegas — Data Link

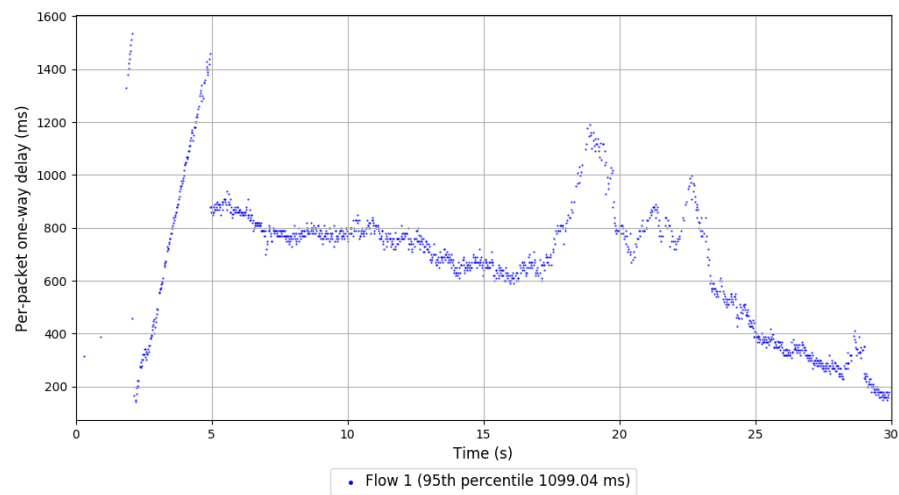
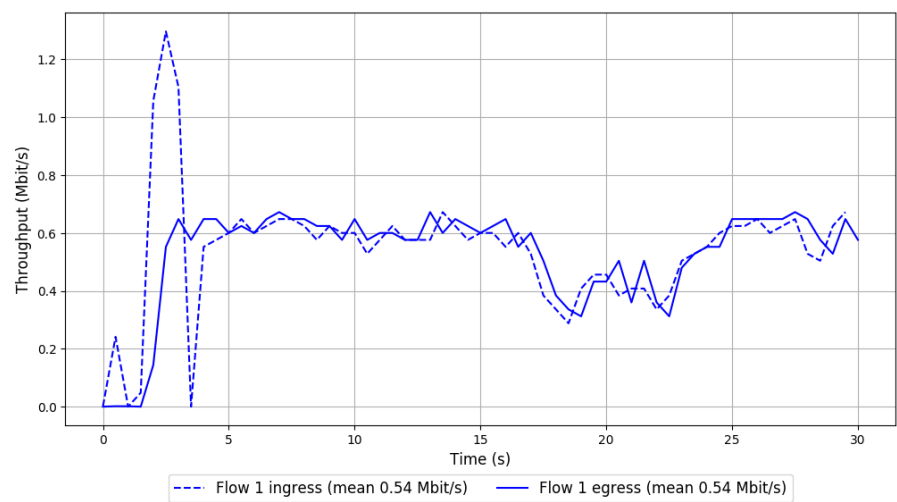


Run 9: Statistics of TCP Vegas

Start at: 2018-05-24 23:23:43
End at: 2018-05-24 23:24:13
Local clock offset: -6.652 ms
Remote clock offset: 10.357 ms

Below is generated by plot.py at 2018-05-24 23:49:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 1099.035 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 1099.035 ms
Loss rate: 1.04%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-05-24 23:41:45

End at: 2018-05-24 23:42:15

Local clock offset: -1.9 ms

Remote clock offset: 4.848 ms

Below is generated by plot.py at 2018-05-24 23:49:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 908.444 ms

Loss rate: 1.11%

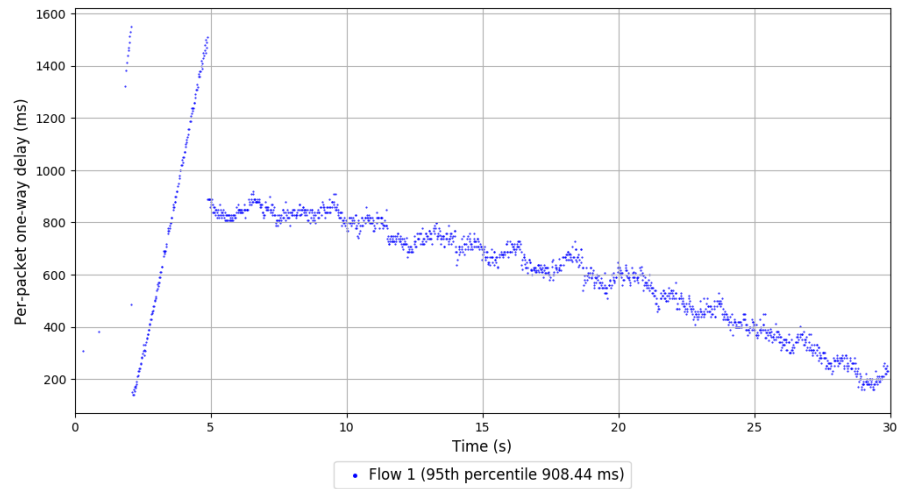
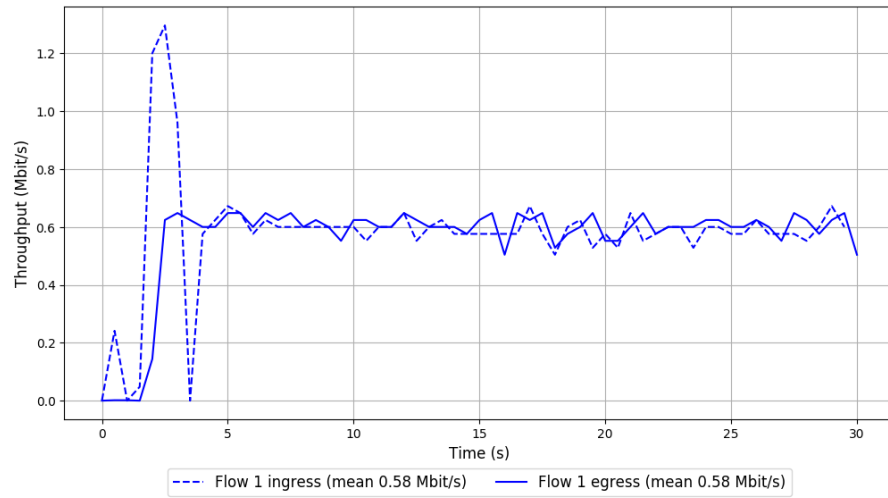
-- Flow 1:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 908.444 ms

Loss rate: 1.11%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-05-24 21:03:33

End at: 2018-05-24 21:04:03

Local clock offset: -4.127 ms

Remote clock offset: 6.766 ms

Below is generated by plot.py at 2018-05-24 23:49:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 134.758 ms

Loss rate: 0.00%

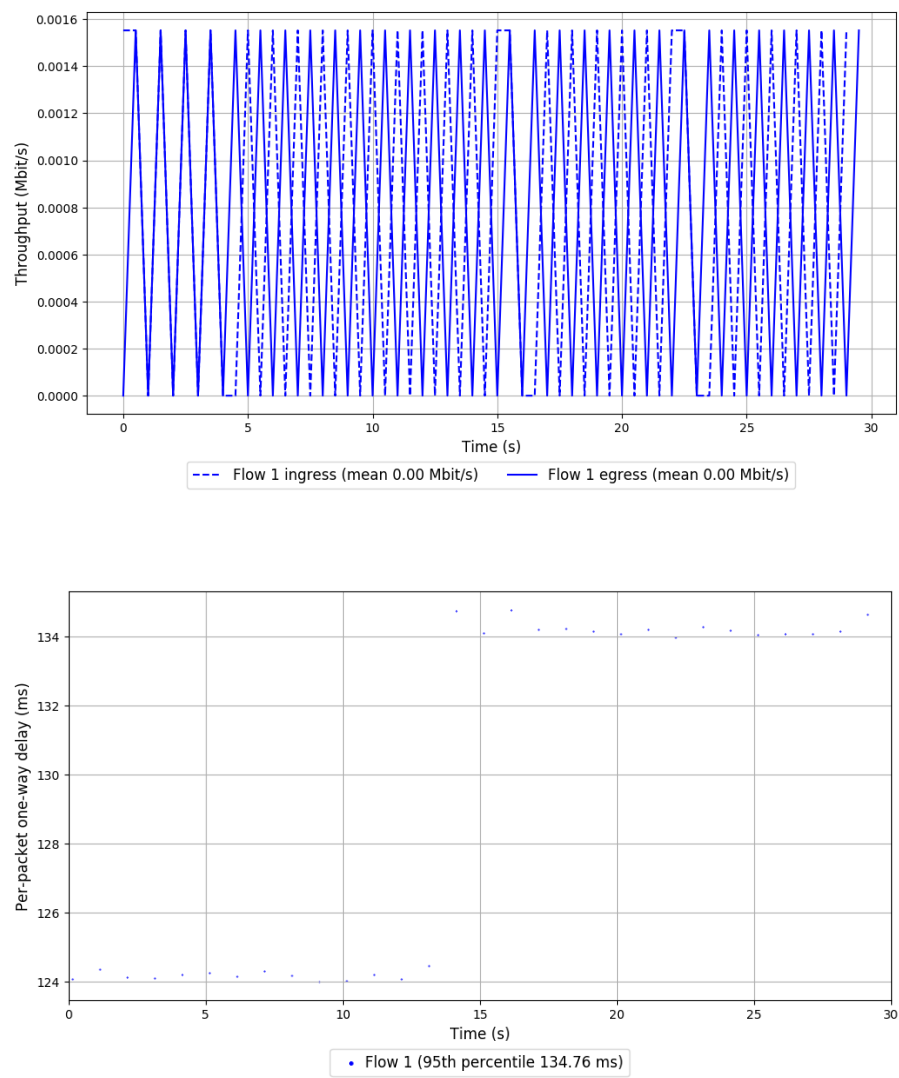
-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 134.758 ms

Loss rate: 0.00%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-05-24 21:21:37

End at: 2018-05-24 21:22:07

Local clock offset: -7.628 ms

Remote clock offset: 6.02 ms

Below is generated by plot.py at 2018-05-24 23:49:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 117.396 ms

Loss rate: 0.00%

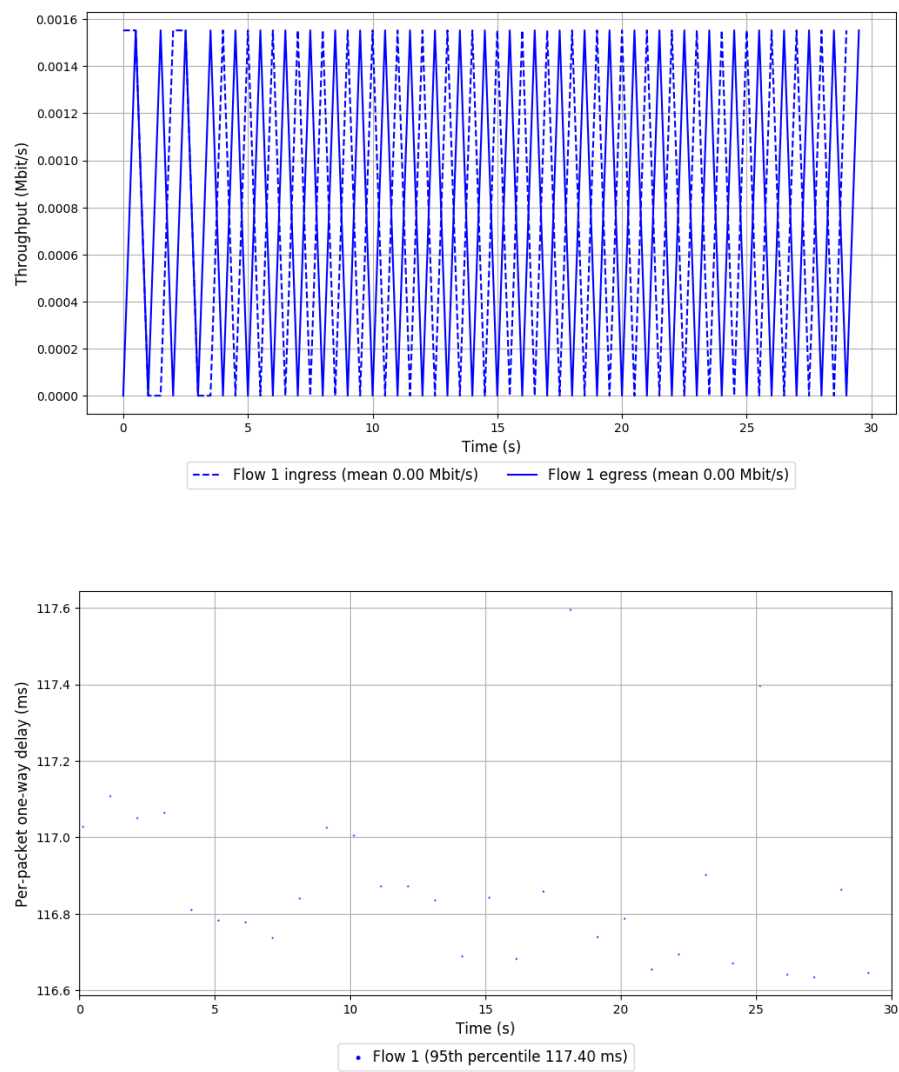
-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 117.396 ms

Loss rate: 0.00%

Run 2: Report of Verus — Data Link

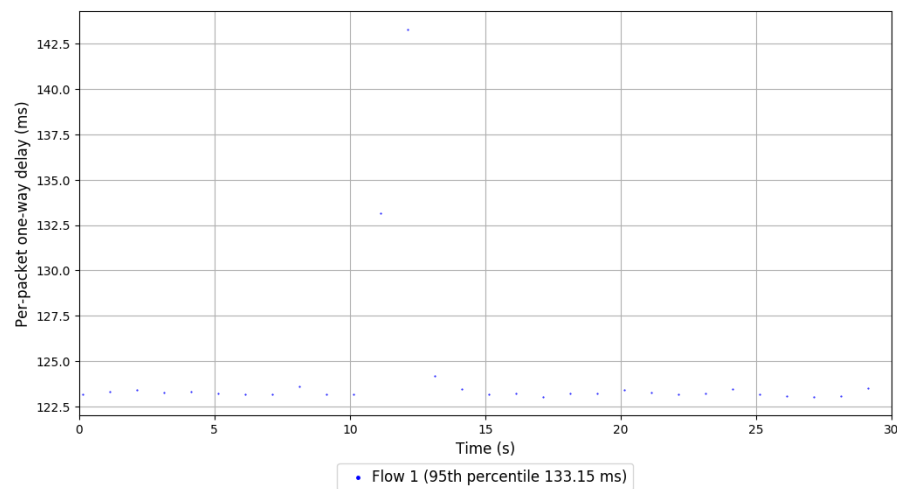
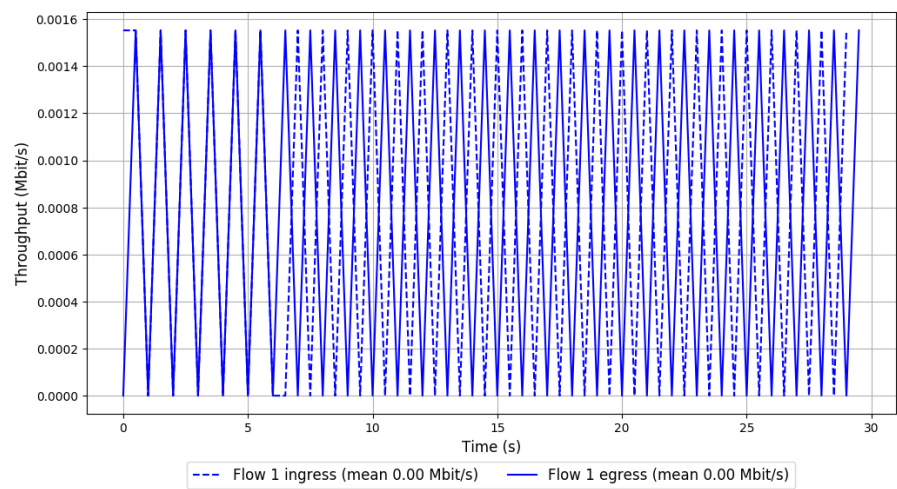


Run 3: Statistics of Verus

Start at: 2018-05-24 21:39:55
End at: 2018-05-24 21:40:25
Local clock offset: -7.114 ms
Remote clock offset: -0.613 ms

Below is generated by plot.py at 2018-05-24 23:49:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 133.149 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 133.149 ms
Loss rate: 0.00%

Run 3: Report of Verus — Data Link

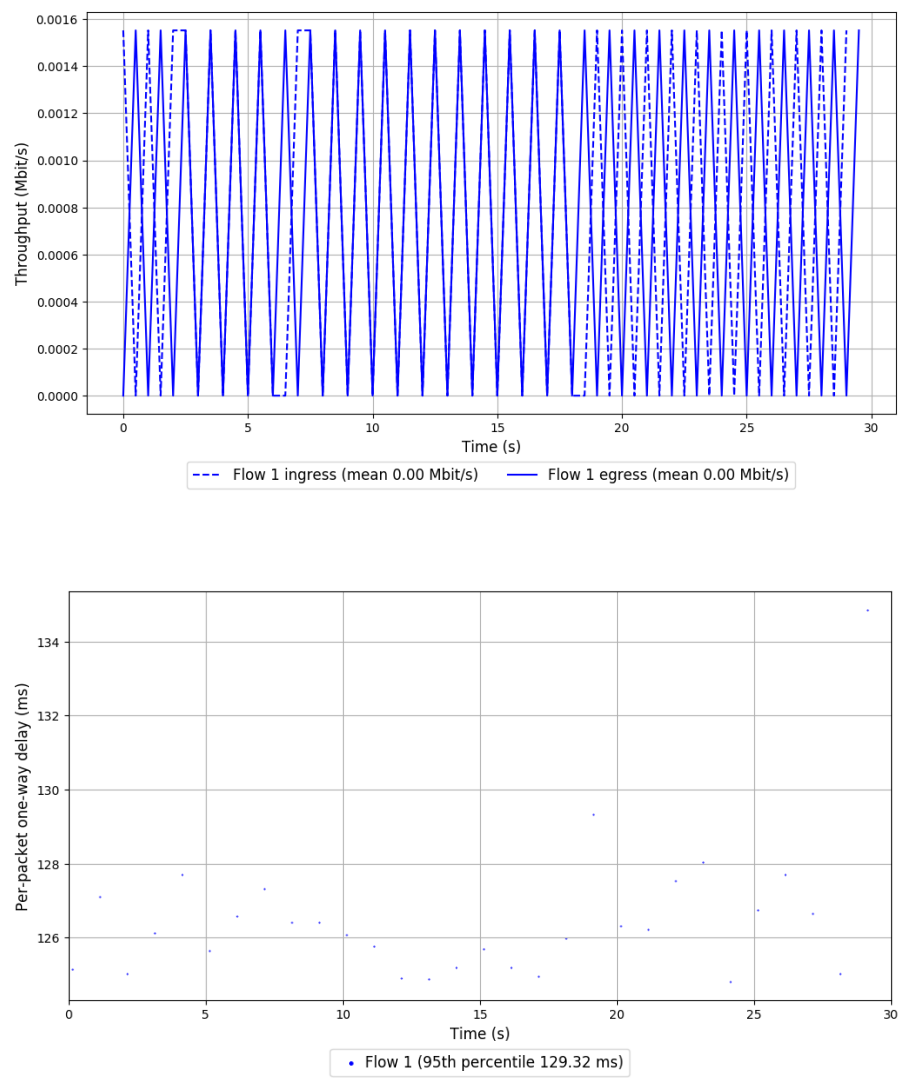


Run 4: Statistics of Verus

Start at: 2018-05-24 21:58:39
End at: 2018-05-24 21:59:09
Local clock offset: -7.191 ms
Remote clock offset: -1.418 ms

Below is generated by plot.py at 2018-05-24 23:49:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 129.325 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 129.325 ms
Loss rate: 0.00%

Run 4: Report of Verus — Data Link

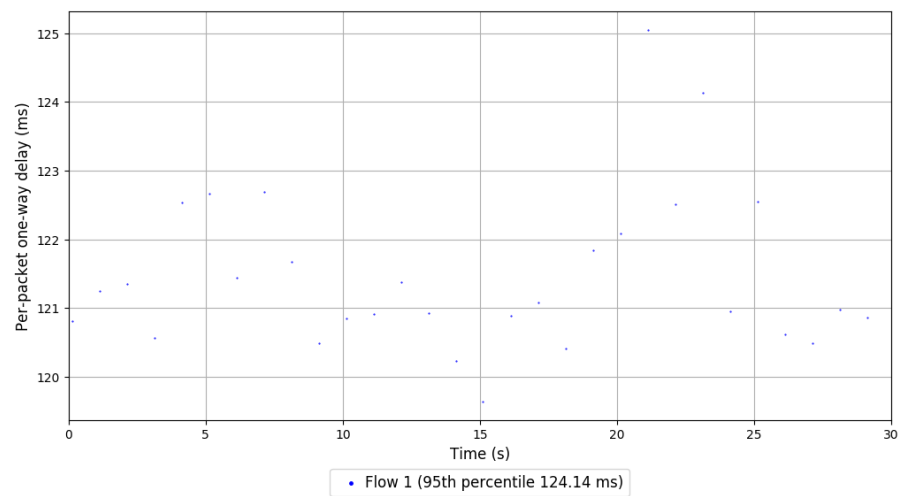
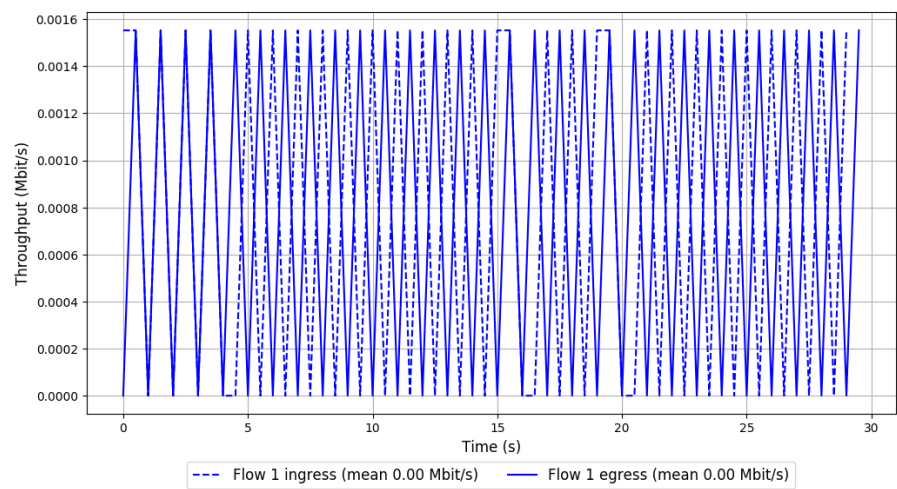


Run 5: Statistics of Verus

Start at: 2018-05-24 22:17:03
End at: 2018-05-24 22:17:33
Local clock offset: -7.057 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-05-24 23:49:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 124.138 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 124.138 ms
Loss rate: 0.00%

Run 5: Report of Verus — Data Link

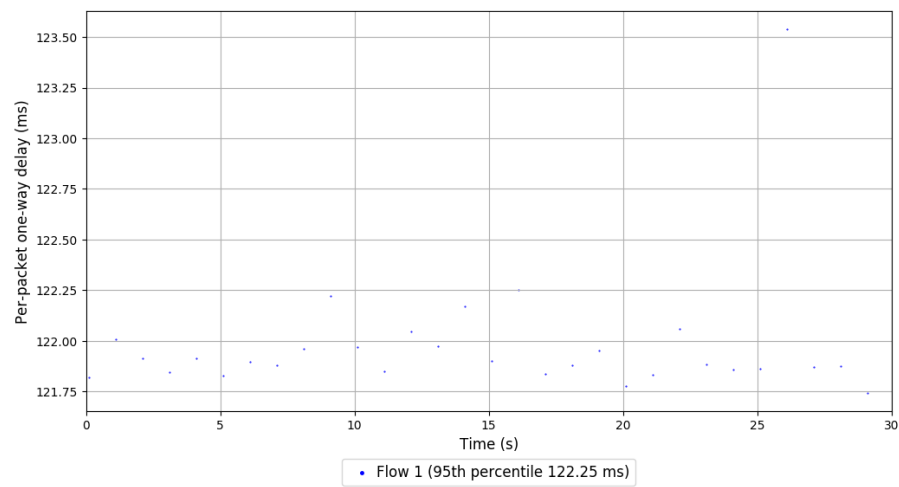
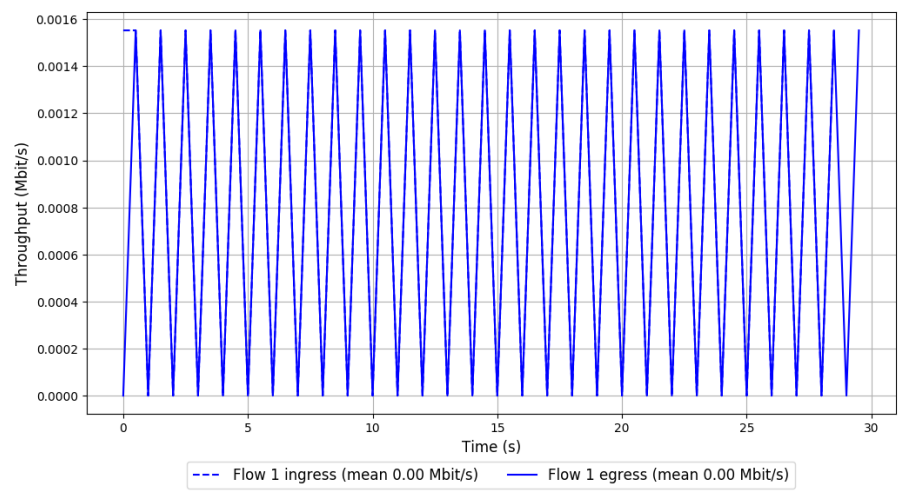


Run 6: Statistics of Verus

Start at: 2018-05-24 22:35:20
End at: 2018-05-24 22:35:50
Local clock offset: -3.708 ms
Remote clock offset: 11.263 ms

Below is generated by plot.py at 2018-05-24 23:49:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 122.250 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 122.250 ms
Loss rate: 0.00%

Run 6: Report of Verus — Data Link

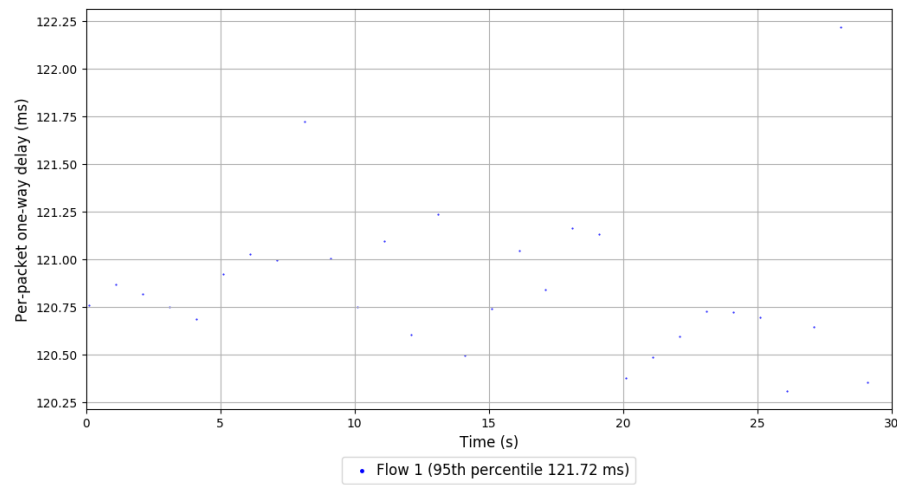
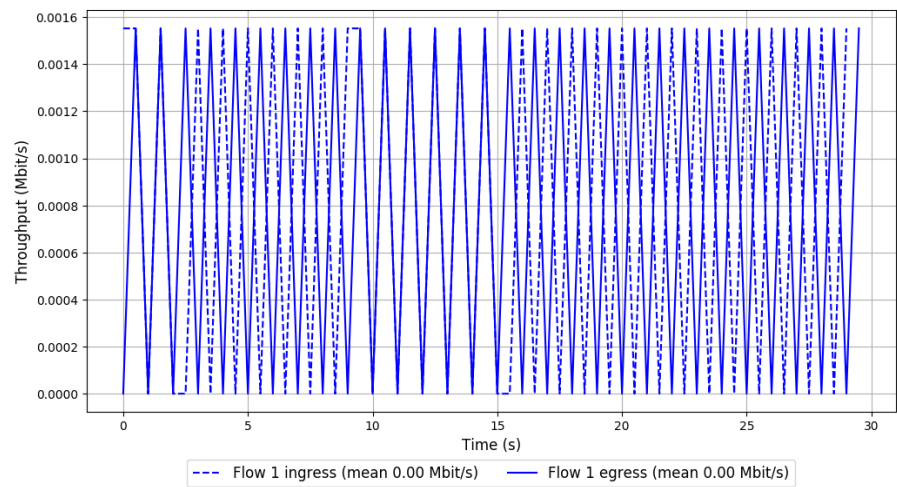


Run 7: Statistics of Verus

Start at: 2018-05-24 22:53:22
End at: 2018-05-24 22:53:52
Local clock offset: -2.265 ms
Remote clock offset: 12.666 ms

Below is generated by plot.py at 2018-05-24 23:49:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 121.721 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 121.721 ms
Loss rate: 0.00%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-05-24 23:11:20

End at: 2018-05-24 23:11:50

Local clock offset: -5.775 ms

Remote clock offset: 6.879 ms

Below is generated by plot.py at 2018-05-24 23:49:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 119.746 ms

Loss rate: 0.00%

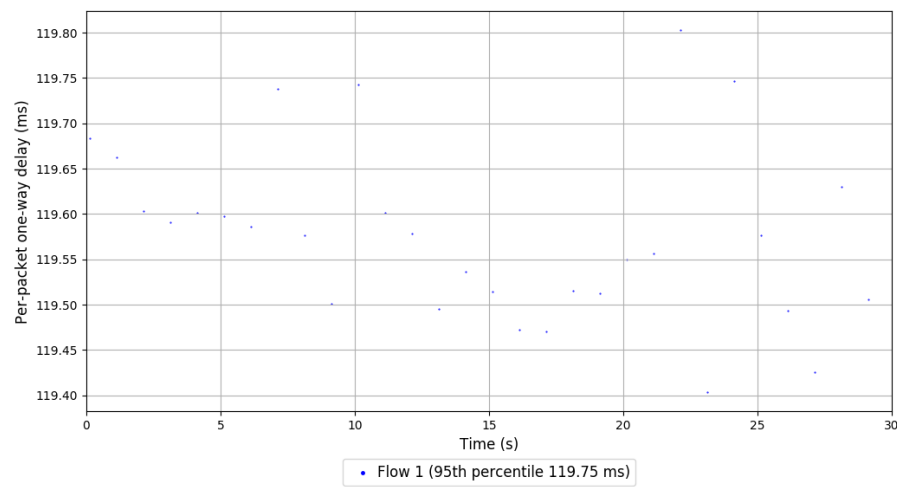
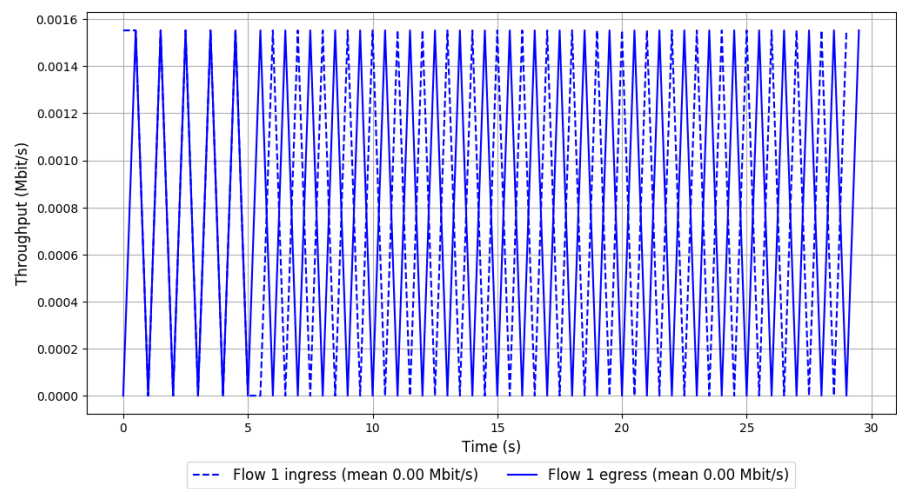
-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 119.746 ms

Loss rate: 0.00%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

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

End at: 2018-05-24 23:29:53

Local clock offset: -4.157 ms

Remote clock offset: 5.979 ms

Below is generated by plot.py at 2018-05-24 23:49:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 121.755 ms

Loss rate: 0.00%

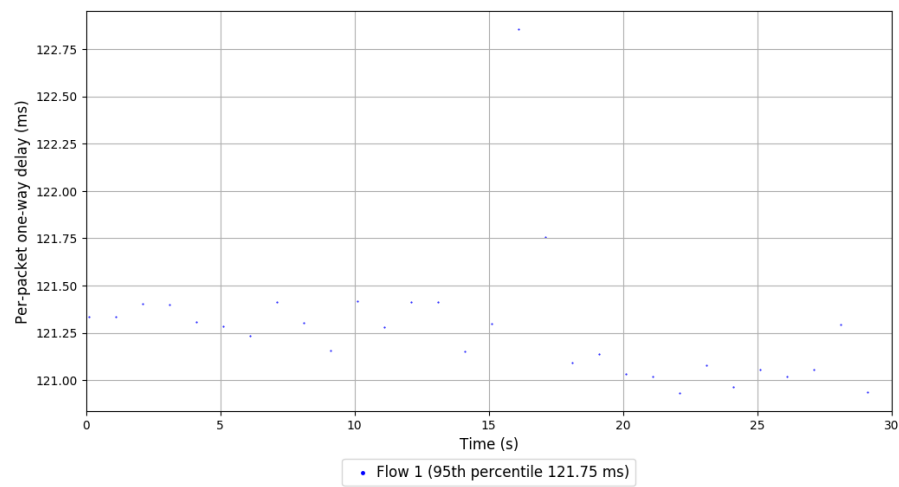
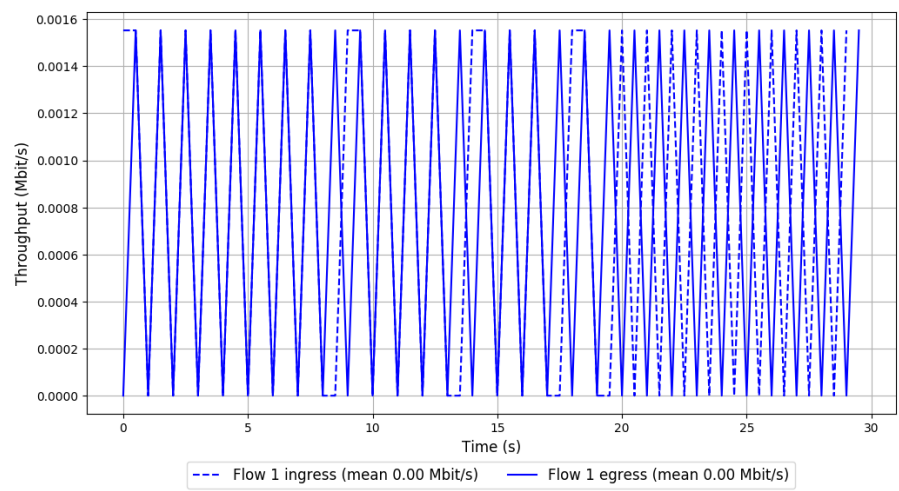
-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 121.755 ms

Loss rate: 0.00%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

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

End at: 2018-05-24 23:47:53

Local clock offset: -1.355 ms

Remote clock offset: 4.753 ms

Below is generated by plot.py at 2018-05-24 23:49:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 122.108 ms

Loss rate: 0.00%

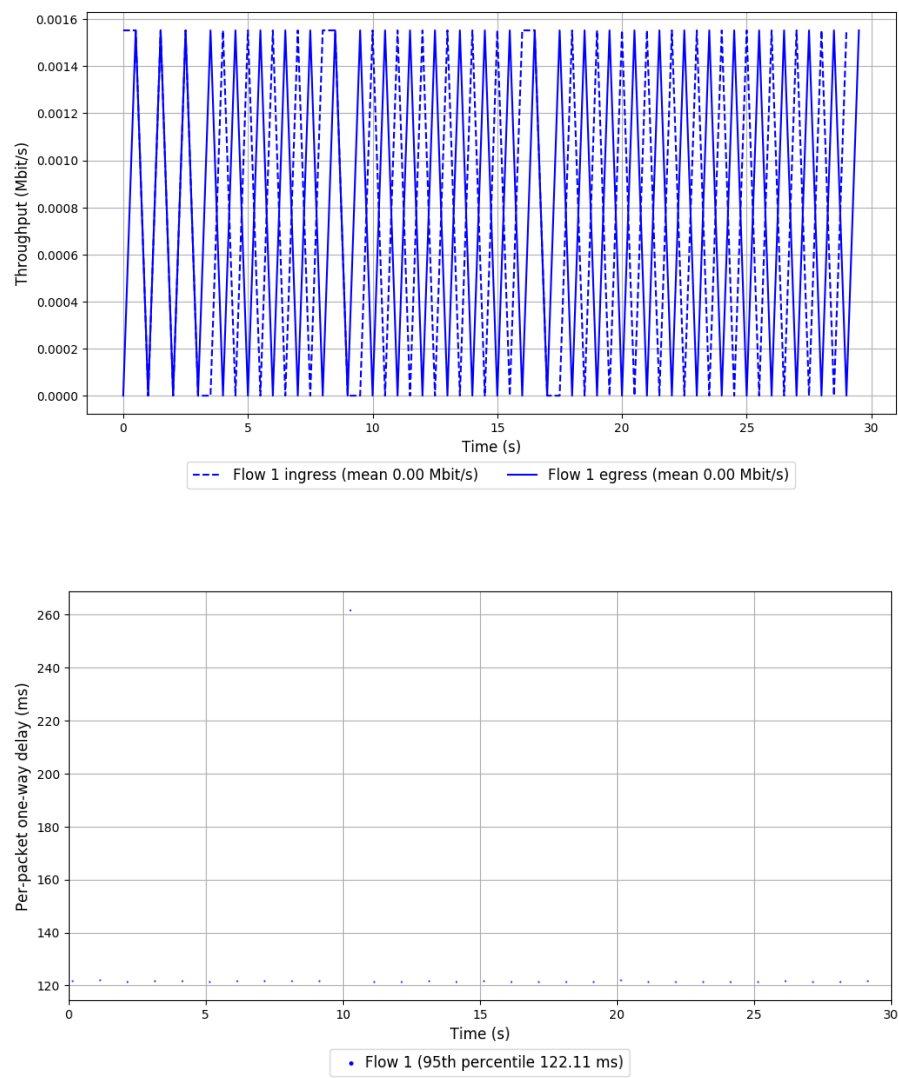
-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 122.108 ms

Loss rate: 0.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-05-24 21:02:23

End at: 2018-05-24 21:02:53

Local clock offset: -3.772 ms

Remote clock offset: 6.625 ms

Below is generated by plot.py at 2018-05-24 23:49:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 20420.603 ms

Loss rate: 72.71%

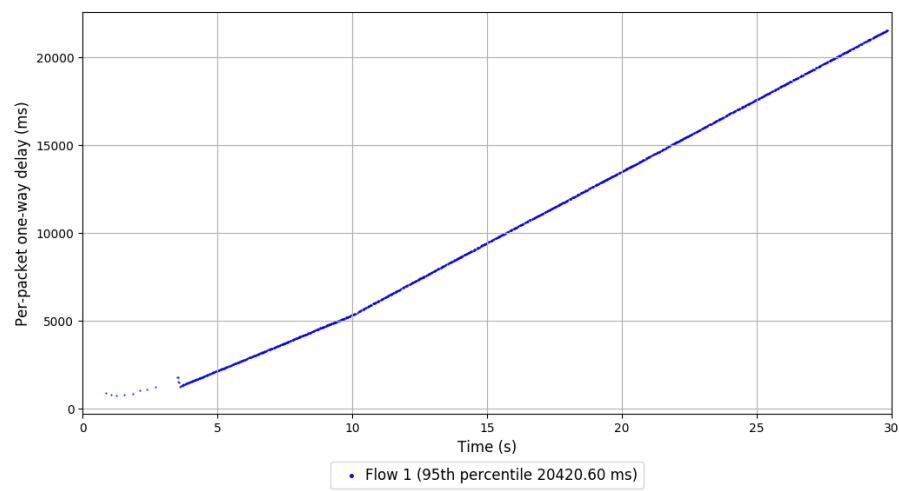
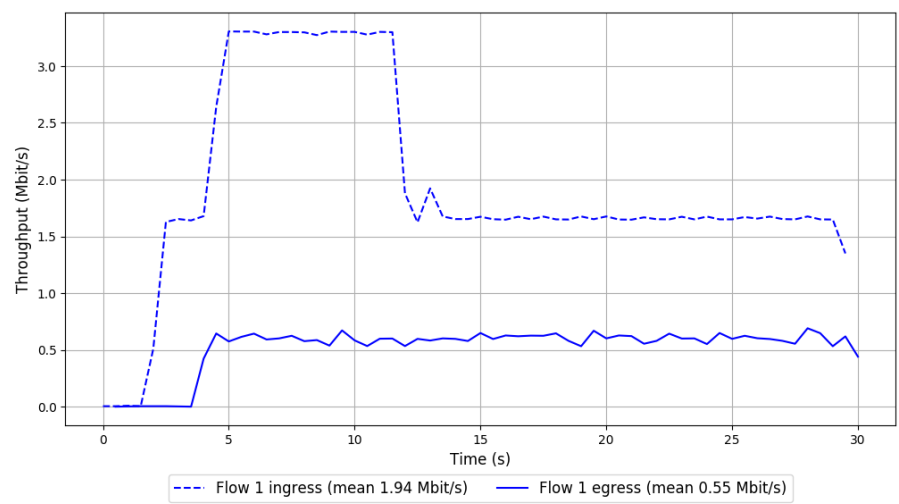
-- Flow 1:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 20420.603 ms

Loss rate: 72.71%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-05-24 21:20:22

End at: 2018-05-24 21:20:52

Local clock offset: -7.47 ms

Remote clock offset: 7.977 ms

Below is generated by plot.py at 2018-05-24 23:49:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 20865.007 ms

Loss rate: 75.31%

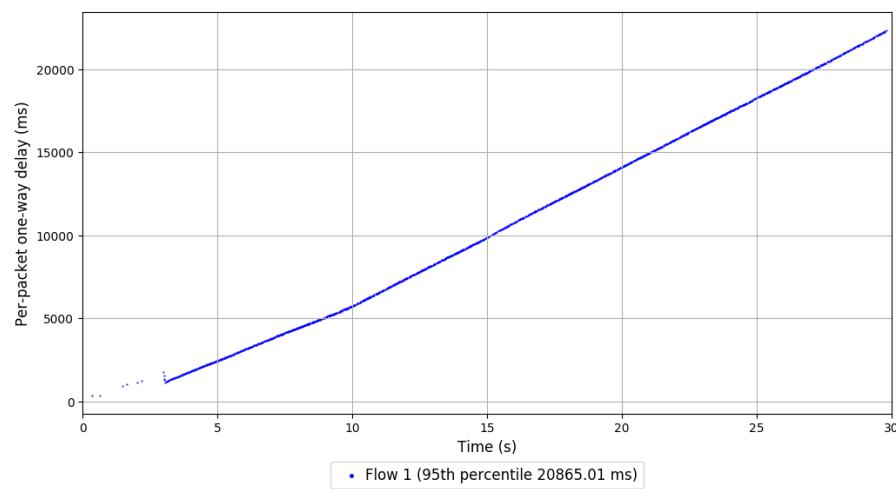
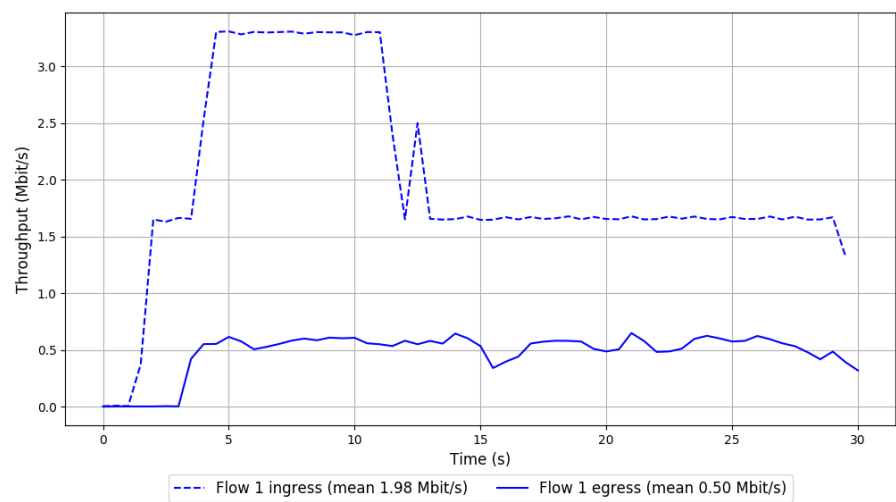
-- Flow 1:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 20865.007 ms

Loss rate: 75.31%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-05-24 21:38:29

End at: 2018-05-24 21:38:59

Local clock offset: -7.119 ms

Remote clock offset: 3.401 ms

Below is generated by plot.py at 2018-05-24 23:49:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 22093.296 ms

Loss rate: 83.56%

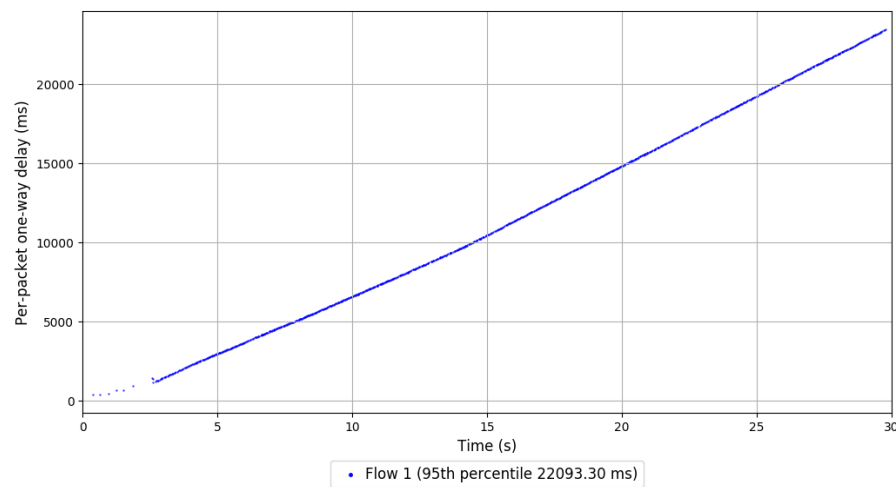
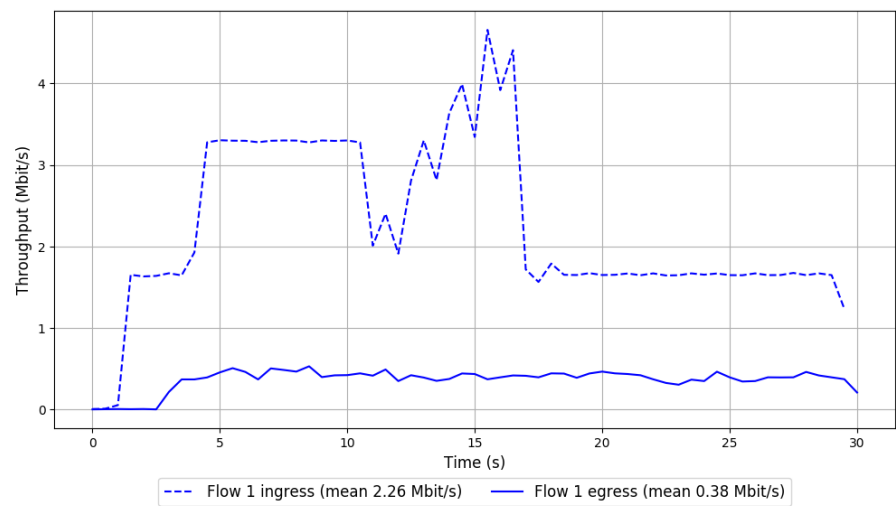
-- Flow 1:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 22093.296 ms

Loss rate: 83.56%

Run 3: Report of PCC-Vivace — Data Link

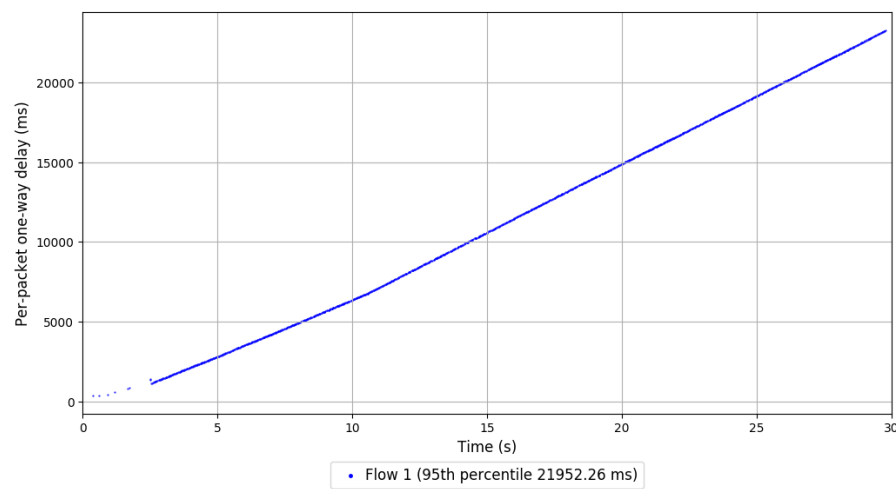
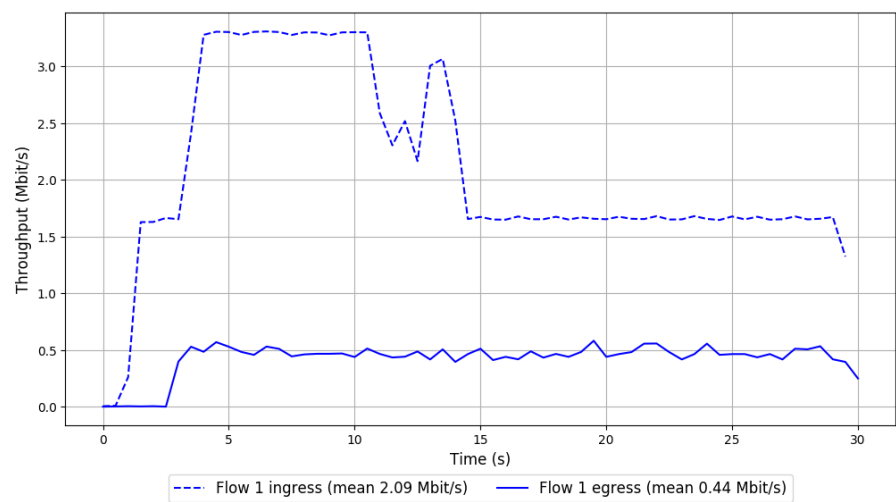


Run 4: Statistics of PCC-Vivace

Start at: 2018-05-24 21:57:18
End at: 2018-05-24 21:57:48
Local clock offset: -6.537 ms
Remote clock offset: -1.225 ms

Below is generated by plot.py at 2018-05-24 23:49:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 21952.262 ms
Loss rate: 79.35%
-- Flow 1:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 21952.262 ms
Loss rate: 79.35%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-05-24 22:15:44

End at: 2018-05-24 22:16:14

Local clock offset: -7.13 ms

Remote clock offset: 0.835 ms

Below is generated by plot.py at 2018-05-24 23:49:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 22013.948 ms

Loss rate: 80.30%

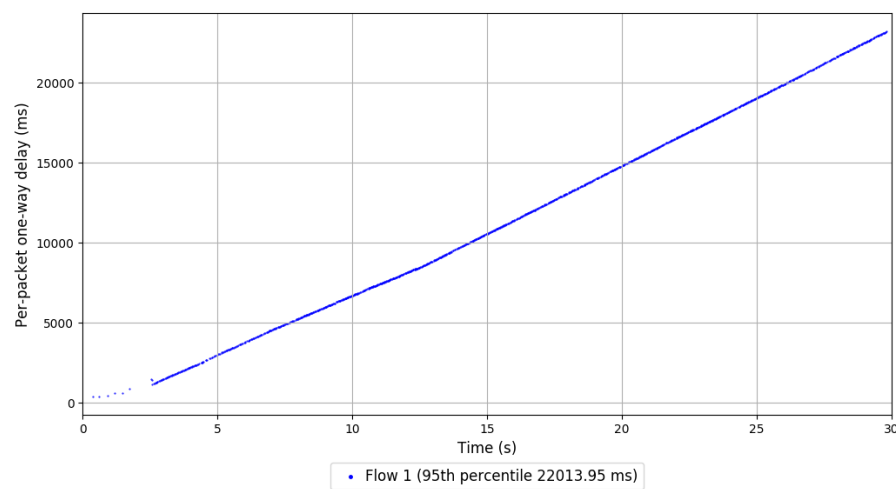
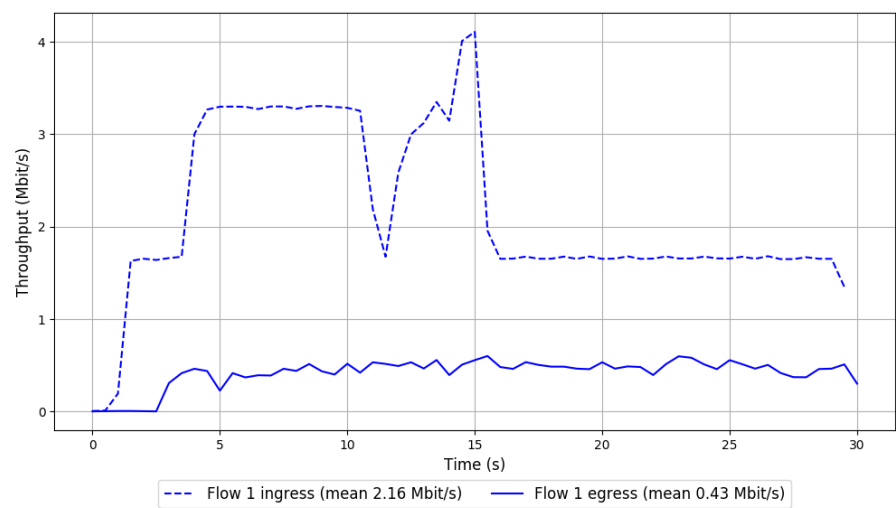
-- Flow 1:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 22013.948 ms

Loss rate: 80.30%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-05-24 22:33:58

End at: 2018-05-24 22:34:28

Local clock offset: -3.964 ms

Remote clock offset: 6.019 ms

Below is generated by plot.py at 2018-05-24 23:49:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 21717.373 ms

Loss rate: 79.95%

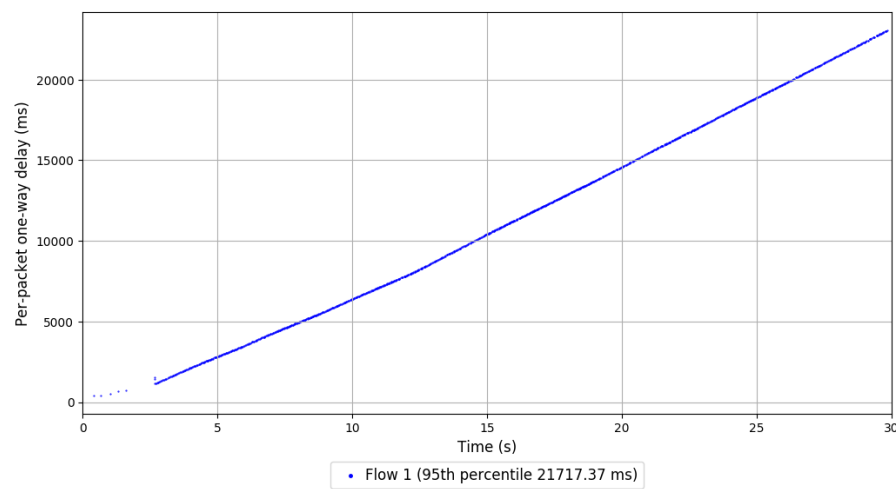
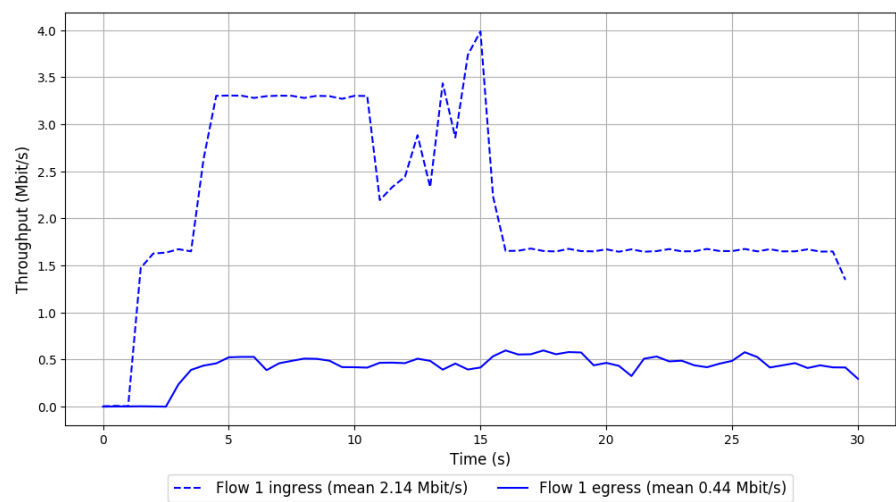
-- Flow 1:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 21717.373 ms

Loss rate: 79.95%

Run 6: Report of PCC-Vivace — Data Link

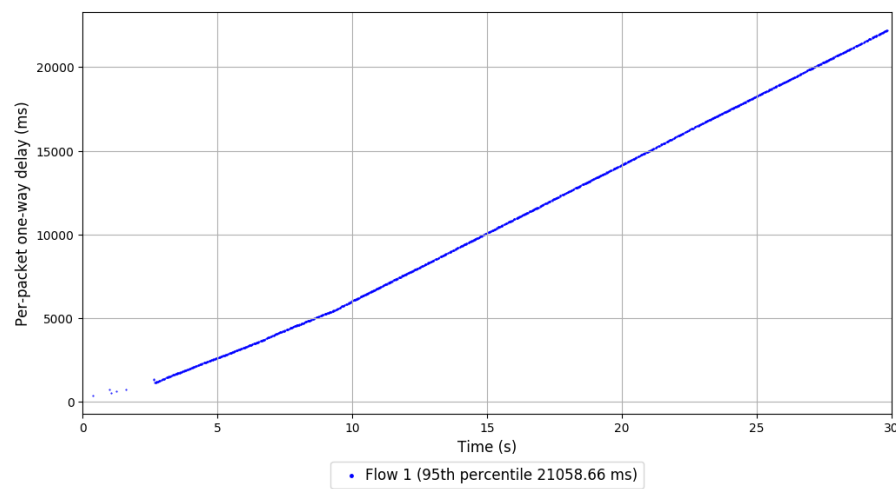
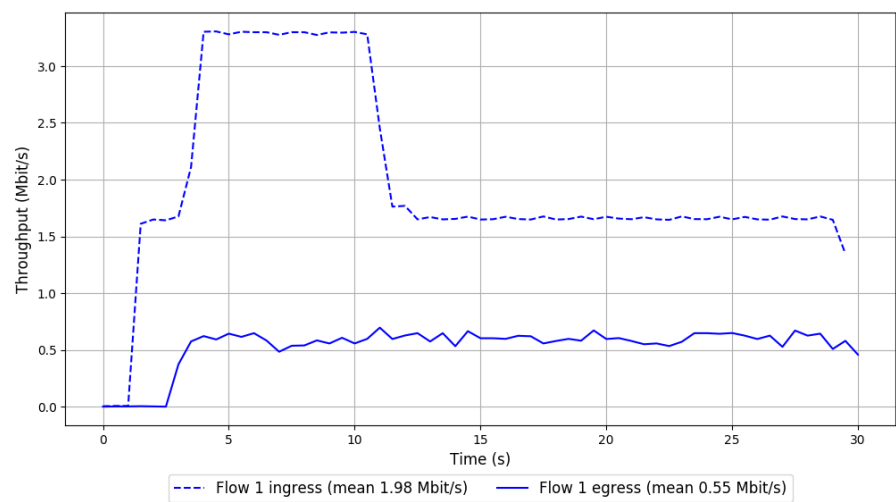


Run 7: Statistics of PCC-Vivace

Start at: 2018-05-24 22:52:12
End at: 2018-05-24 22:52:43
Local clock offset: -1.592 ms
Remote clock offset: 12.446 ms

Below is generated by plot.py at 2018-05-24 23:49:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 21058.656 ms
Loss rate: 72.52%
-- Flow 1:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 21058.656 ms
Loss rate: 72.52%

Run 7: Report of PCC-Vivace — Data Link

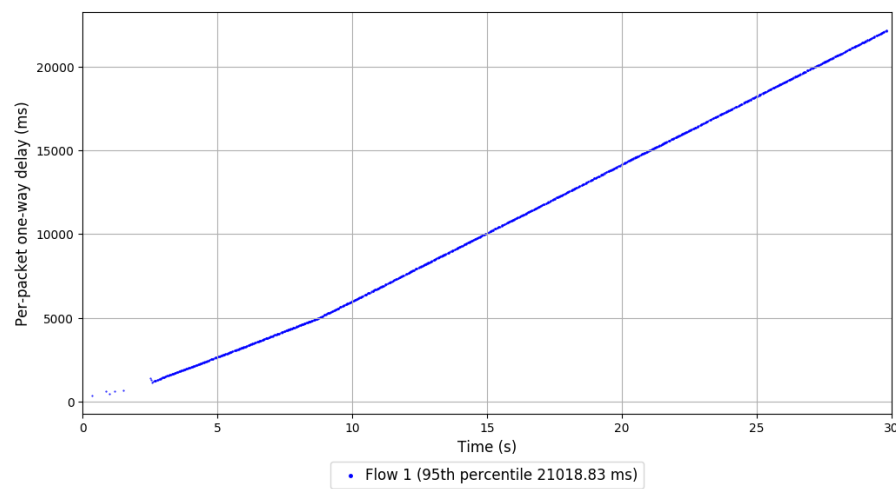
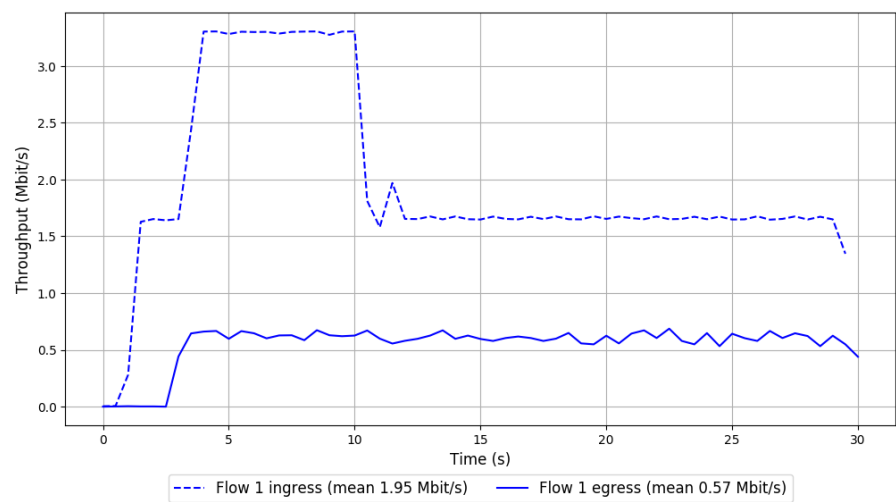


Run 8: Statistics of PCC-Vivace

Start at: 2018-05-24 23:10:11
End at: 2018-05-24 23:10:41
Local clock offset: -4.855 ms
Remote clock offset: 10.091 ms

Below is generated by plot.py at 2018-05-24 23:49:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 21018.829 ms
Loss rate: 71.45%
-- Flow 1:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 21018.829 ms
Loss rate: 71.45%

Run 8: Report of PCC-Vivace — Data Link

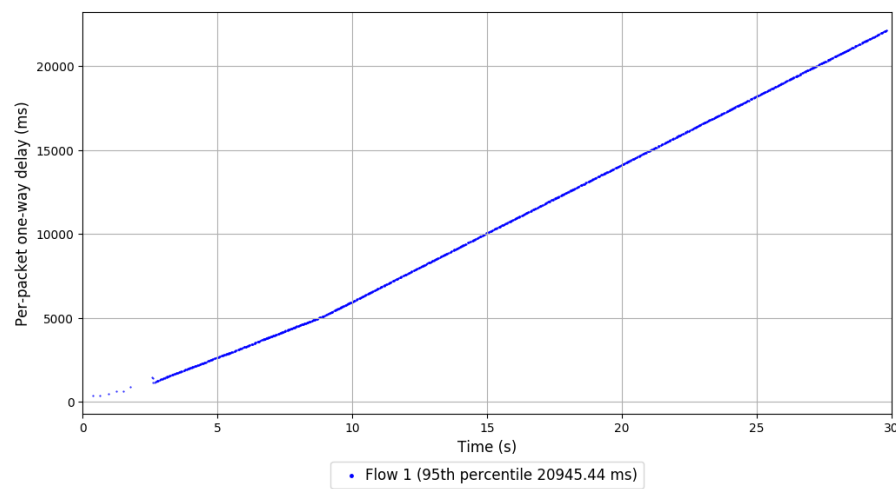
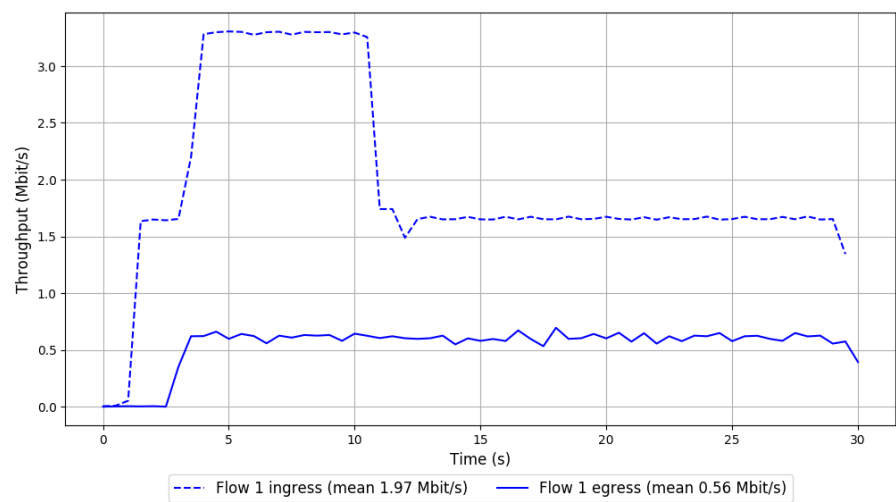


Run 9: Statistics of PCC-Vivace

Start at: 2018-05-24 23:28:14
End at: 2018-05-24 23:28:44
Local clock offset: -6.274 ms
Remote clock offset: 10.558 ms

Below is generated by plot.py at 2018-05-24 23:49:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 20945.442 ms
Loss rate: 71.87%
-- Flow 1:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 20945.442 ms
Loss rate: 71.87%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

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

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

Local clock offset: -1.39 ms

Remote clock offset: 9.455 ms

Below is generated by plot.py at 2018-05-24 23:49:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 21056.194 ms

Loss rate: 70.93%

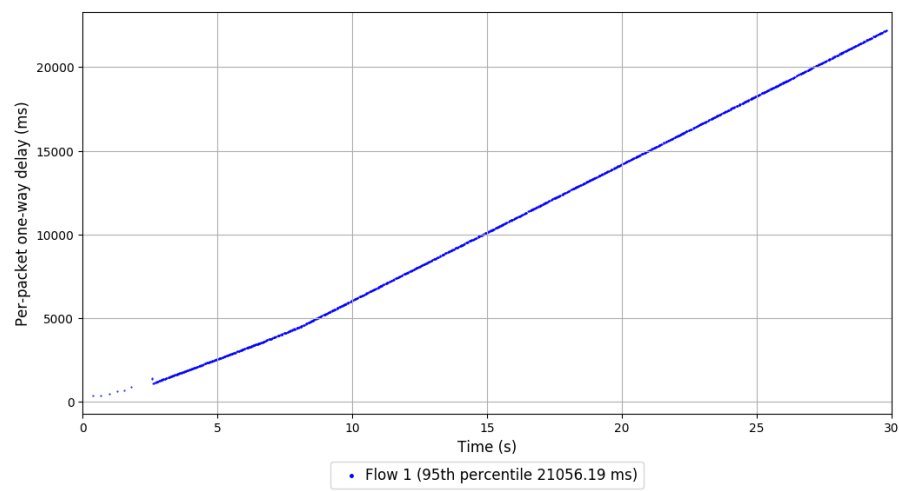
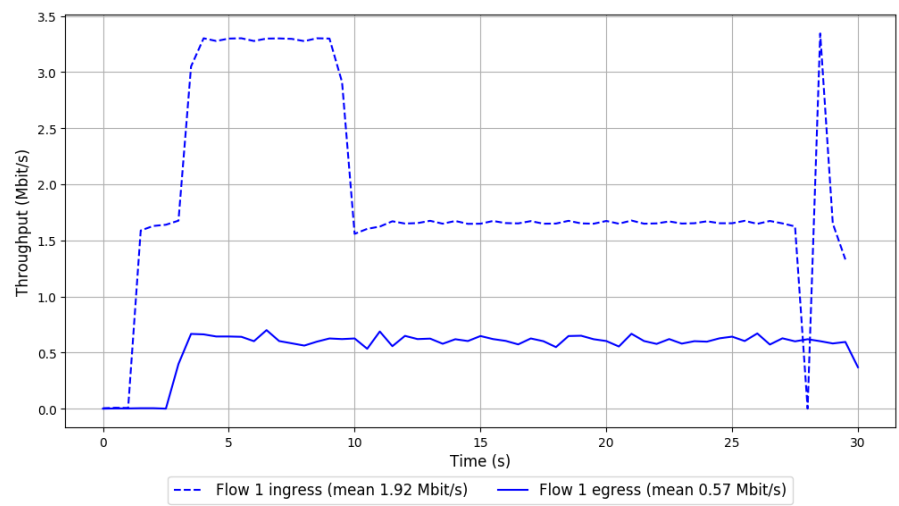
-- Flow 1:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 21056.194 ms

Loss rate: 70.93%

Run 10: Report of PCC-Vivace — Data Link

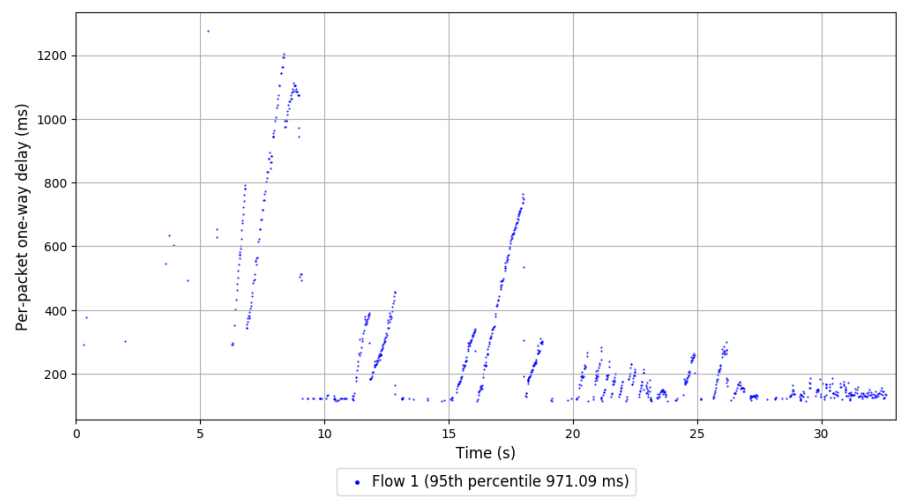
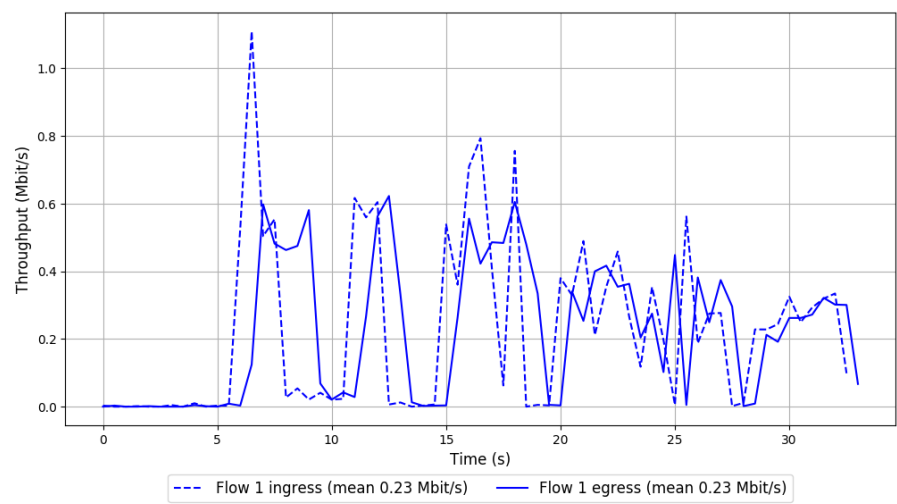


Run 1: Statistics of WebRTC media

Start at: 2018-05-24 21:00:09
End at: 2018-05-24 21:00:39
Local clock offset: -3.66 ms
Remote clock offset: 10.557 ms

Below is generated by plot.py at 2018-05-24 23:49:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 971.085 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 971.085 ms
Loss rate: 0.87%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-05-24 21:18:08

End at: 2018-05-24 21:18:38

Local clock offset: -6.542 ms

Remote clock offset: 4.149 ms

Below is generated by plot.py at 2018-05-24 23:49:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 568.644 ms

Loss rate: 1.19%

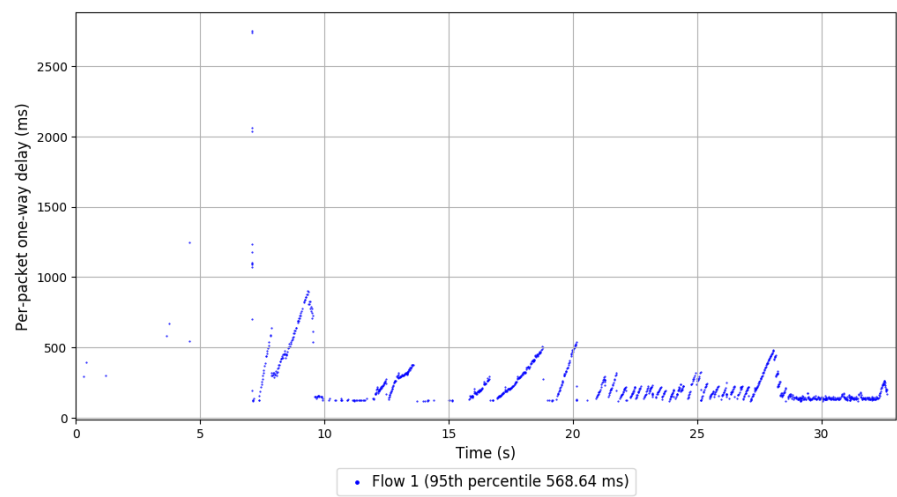
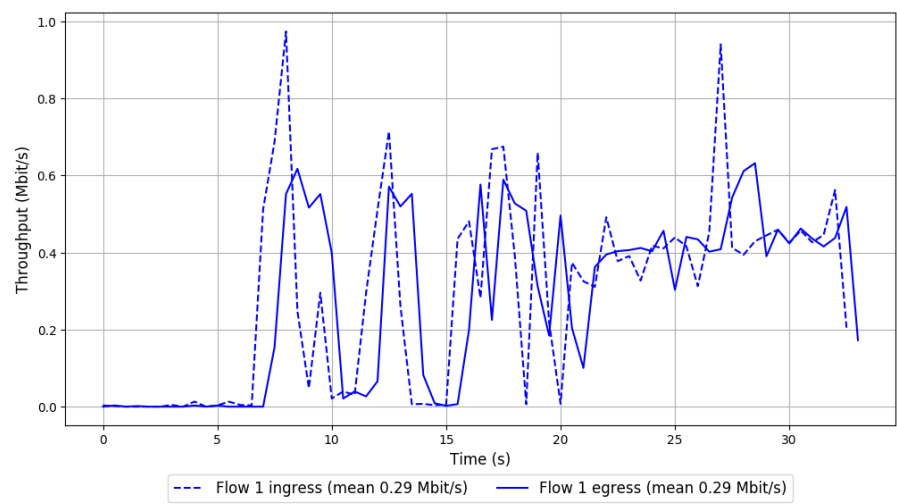
-- Flow 1:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 568.644 ms

Loss rate: 1.19%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-05-24 21:36:14

End at: 2018-05-24 21:36:44

Local clock offset: -7.158 ms

Remote clock offset: 4.474 ms

Below is generated by plot.py at 2018-05-24 23:49:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 883.920 ms

Loss rate: 0.57%

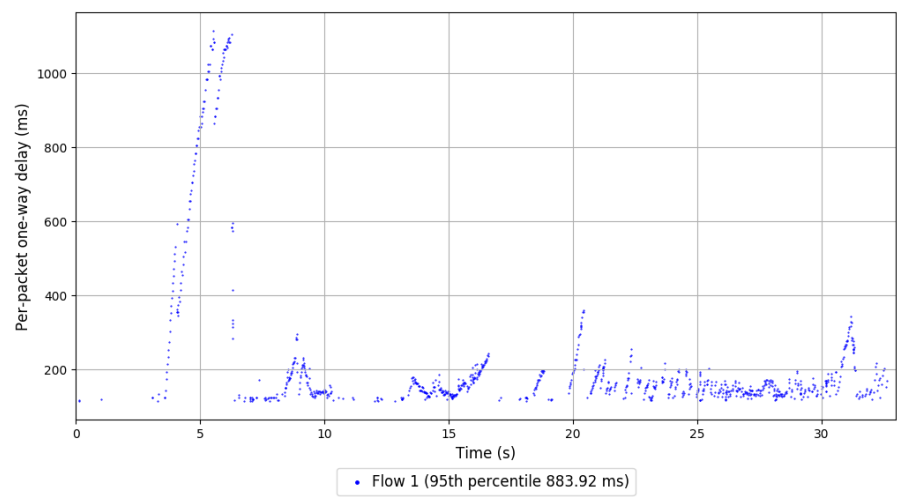
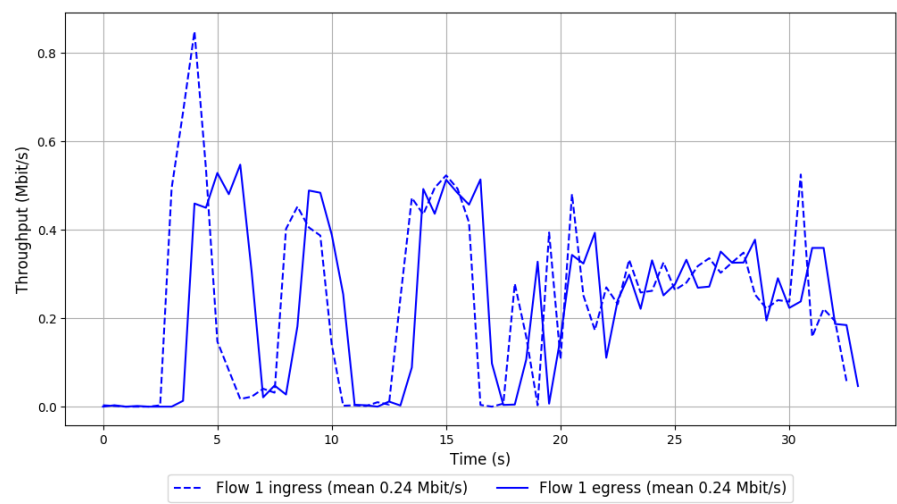
-- Flow 1:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 883.920 ms

Loss rate: 0.57%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-05-24 21:55:03

End at: 2018-05-24 21:55:33

Local clock offset: -7.366 ms

Remote clock offset: 1.912 ms

Below is generated by plot.py at 2018-05-24 23:49:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 1308.561 ms

Loss rate: 0.78%

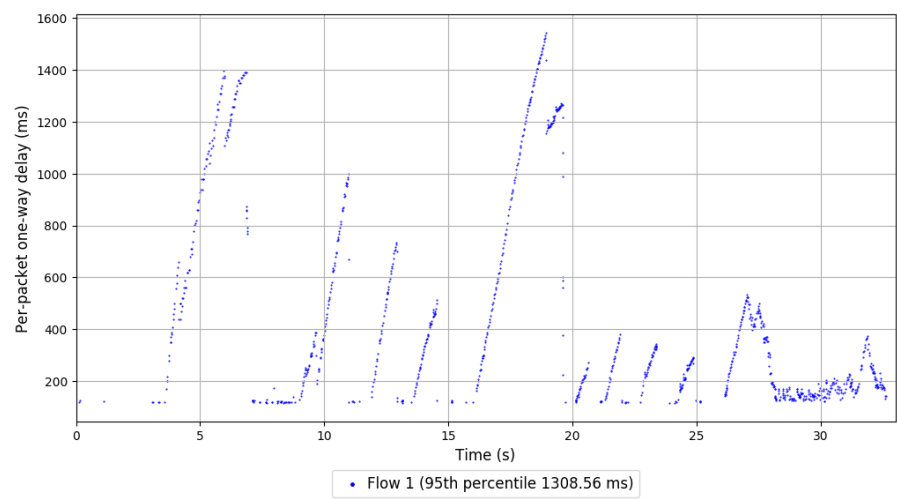
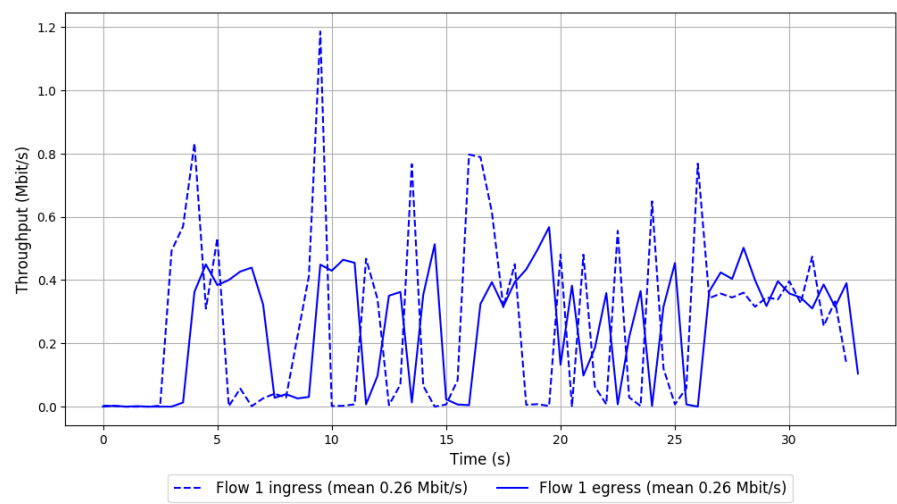
-- Flow 1:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 1308.561 ms

Loss rate: 0.78%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-05-24 22:13:30

End at: 2018-05-24 22:14:00

Local clock offset: -7.037 ms

Remote clock offset: 1.984 ms

Below is generated by plot.py at 2018-05-24 23:49:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 1148.377 ms

Loss rate: 1.27%

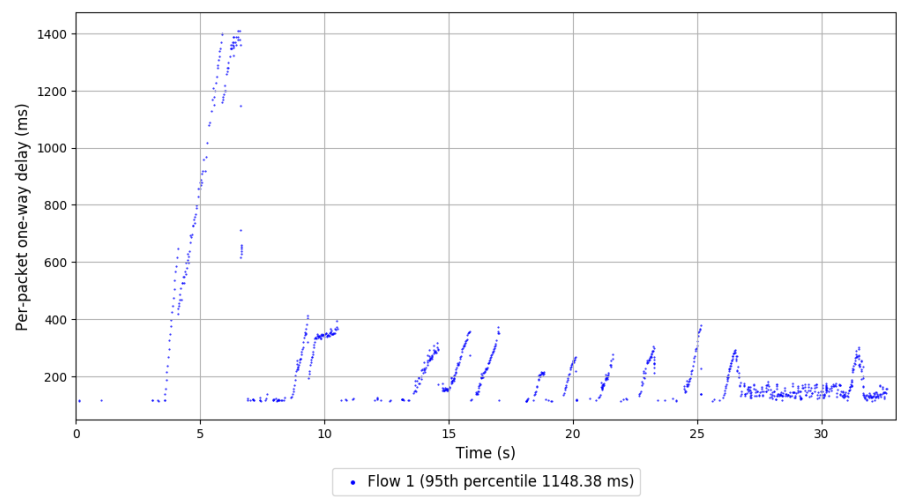
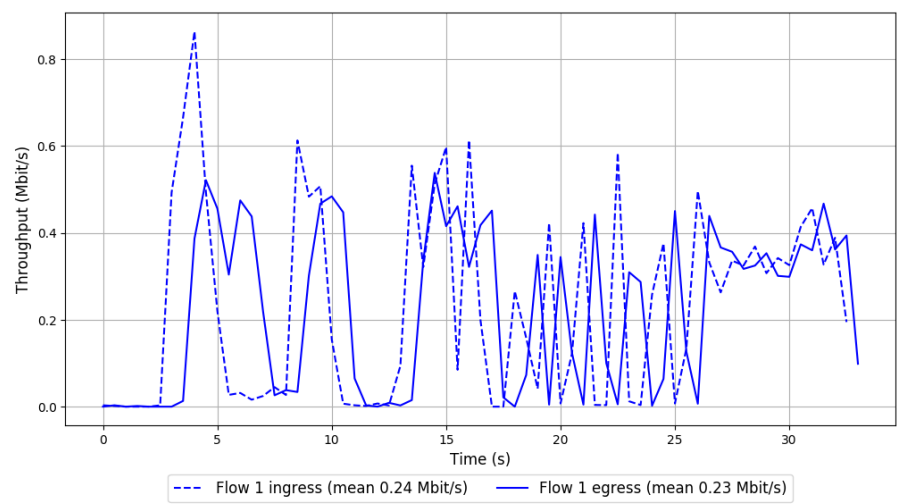
-- Flow 1:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 1148.377 ms

Loss rate: 1.27%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-05-24 22:31:43

End at: 2018-05-24 22:32:13

Local clock offset: -3.866 ms

Remote clock offset: 9.476 ms

Below is generated by plot.py at 2018-05-24 23:49:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 823.472 ms

Loss rate: 1.69%

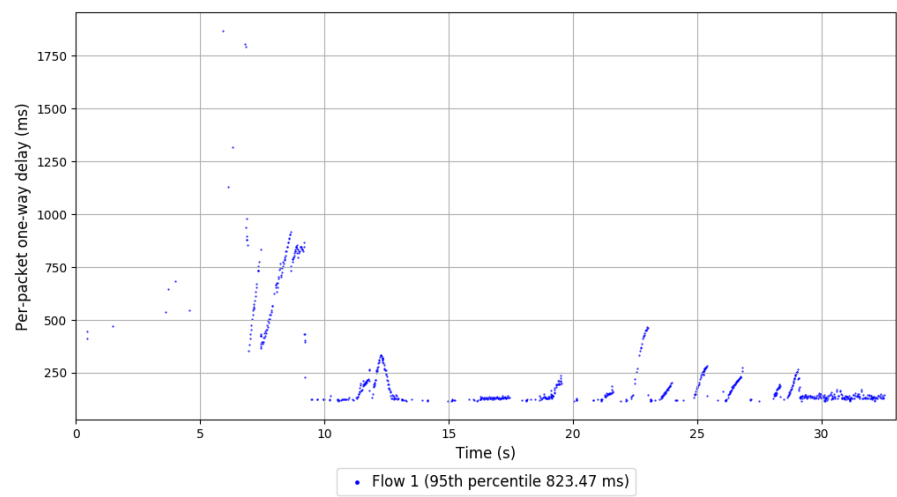
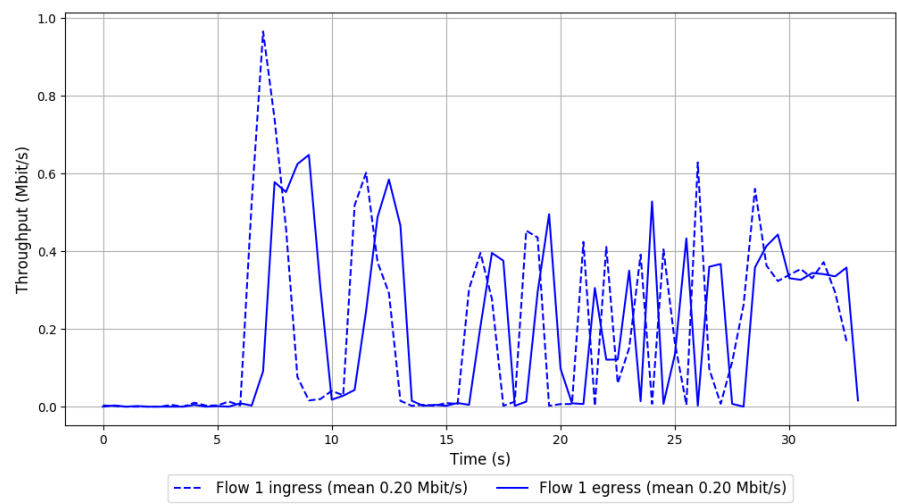
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 823.472 ms

Loss rate: 1.69%

Run 6: Report of WebRTC media — Data Link

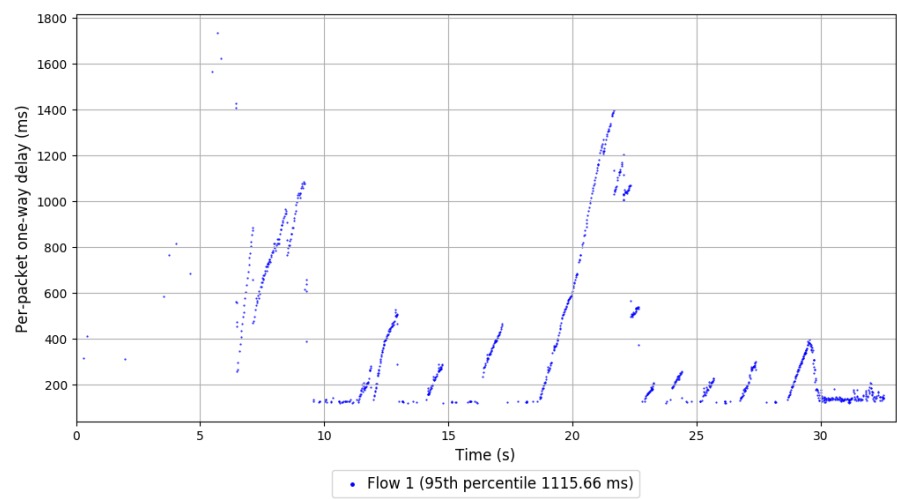
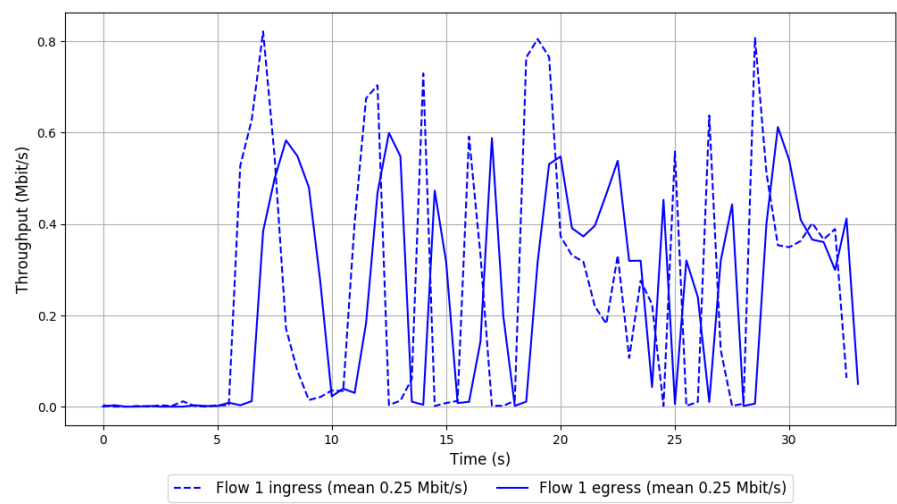


Run 7: Statistics of WebRTC media

Start at: 2018-05-24 22:49:58
End at: 2018-05-24 22:50:28
Local clock offset: -2.47 ms
Remote clock offset: 11.998 ms

Below is generated by plot.py at 2018-05-24 23:49:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 1115.660 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 1115.660 ms
Loss rate: 0.97%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-05-24 23:07:56

End at: 2018-05-24 23:08:26

Local clock offset: -5.297 ms

Remote clock offset: 7.522 ms

Below is generated by plot.py at 2018-05-24 23:49:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 719.563 ms

Loss rate: 1.30%

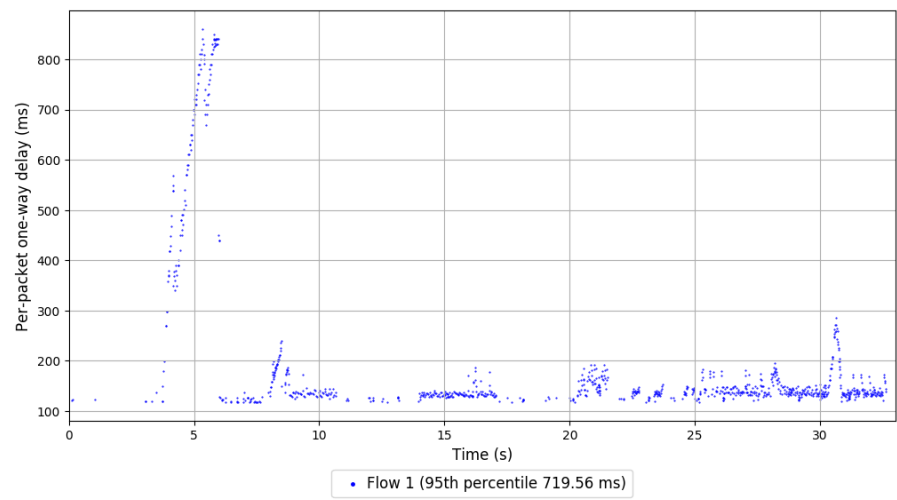
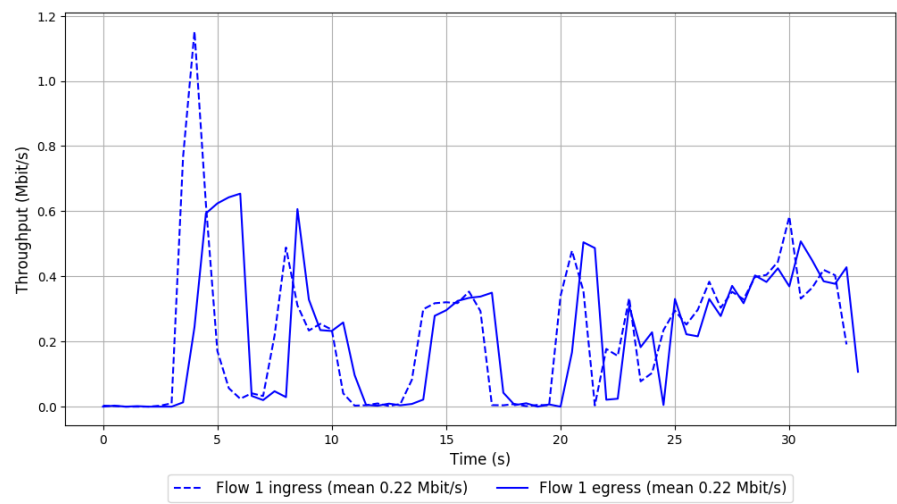
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 719.563 ms

Loss rate: 1.30%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-05-24 23:26:00

End at: 2018-05-24 23:26:30

Local clock offset: -6.552 ms

Remote clock offset: 9.545 ms

Below is generated by plot.py at 2018-05-24 23:49:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.31 Mbit/s

95th percentile per-packet one-way delay: 759.380 ms

Loss rate: 0.52%

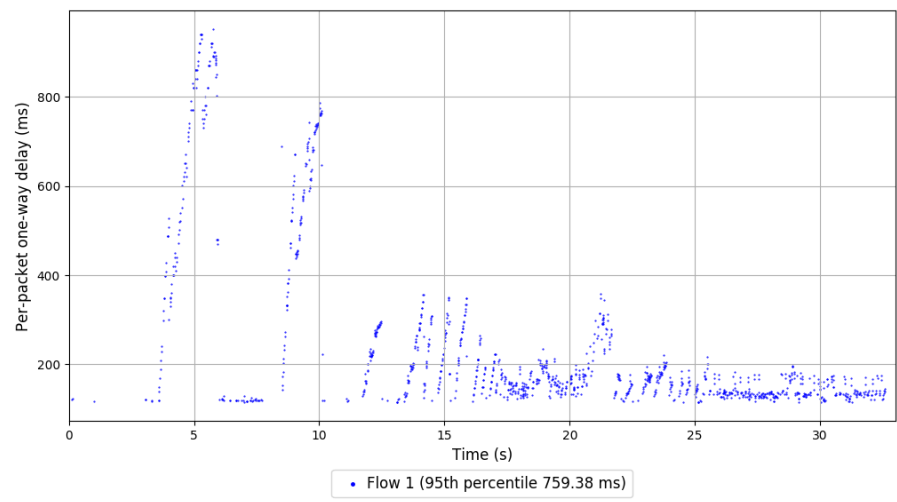
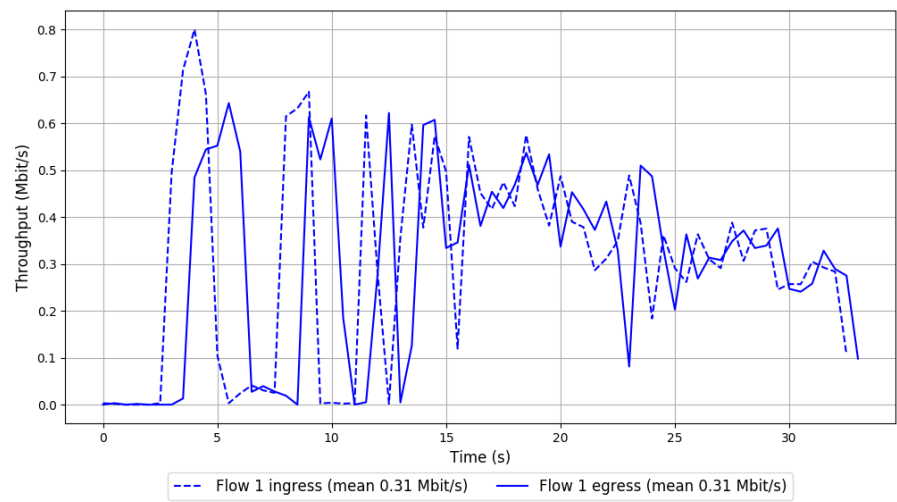
-- Flow 1:

Average throughput: 0.31 Mbit/s

95th percentile per-packet one-way delay: 759.380 ms

Loss rate: 0.52%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-24 23:44:00

End at: 2018-05-24 23:44:30

Local clock offset: -1.655 ms

Remote clock offset: 5.681 ms

Below is generated by plot.py at 2018-05-24 23:49:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 770.113 ms

Loss rate: 1.07%

-- Flow 1:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 770.113 ms

Loss rate: 1.07%

Run 10: Report of WebRTC media — Data Link

