

Pantheon Report

Generated at 2018-07-26 04:29:52 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

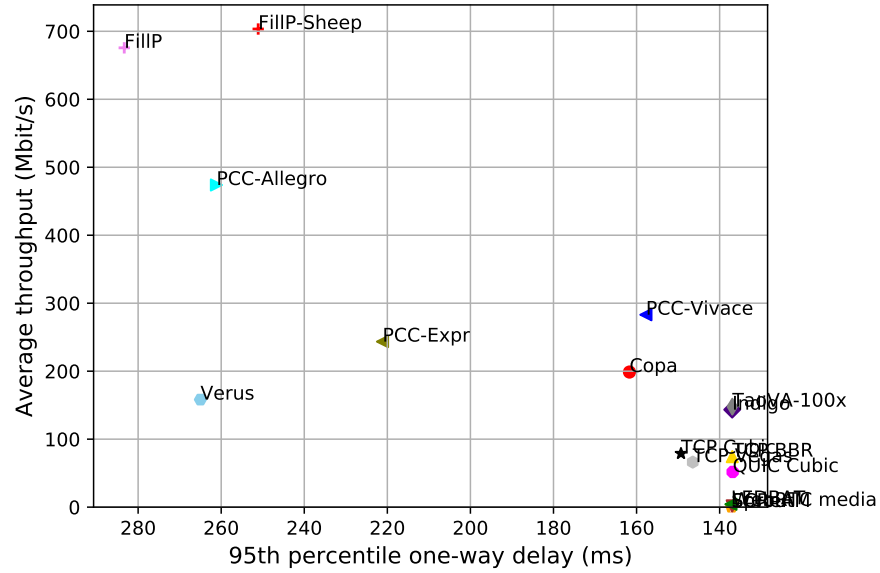
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

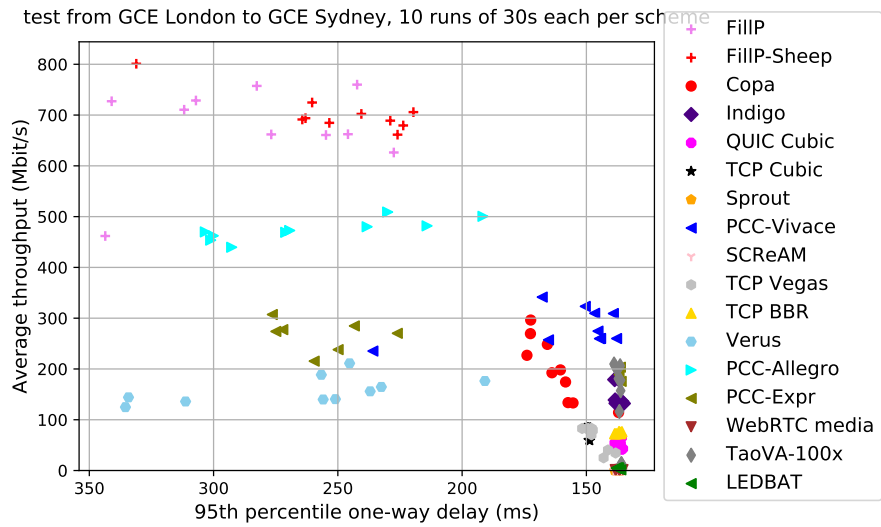
Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	74.30	136.95	0.98
Copa	10	198.74	161.71	0.89
TCP Cubic	10	78.81	149.31	1.07
FillP	10	675.67	283.34	7.13
FillP-Sheep	10	703.34	251.09	6.86
Indigo	10	143.39	136.98	0.96
LEDBAT	10	4.23	137.29	2.00
PCC-Allegro	10	473.88	261.14	3.42
PCC-Expr	10	243.50	221.17	3.54
QUIC Cubic	8	51.77	136.87	1.26
SCReAM	10	0.22	137.13	0.86
Sprout	10	0.16	137.15	0.75
TaoVA-100x	10	147.82	136.95	1.12
TCP Vegas	10	66.23	146.48	0.84
Verus	10	158.20	265.01	2.80
PCC-Vivace	10	283.04	157.76	1.62
WebRTC media	10	1.81	136.98	1.07

Run 1: Statistics of TCP BBR

Start at: 2018-07-25 22:42:52

End at: 2018-07-25 22:43:22

Local clock offset: 0.124 ms

Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-07-26 02:40:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.95 Mbit/s

95th percentile per-packet one-way delay: 136.491 ms

Loss rate: 0.95%

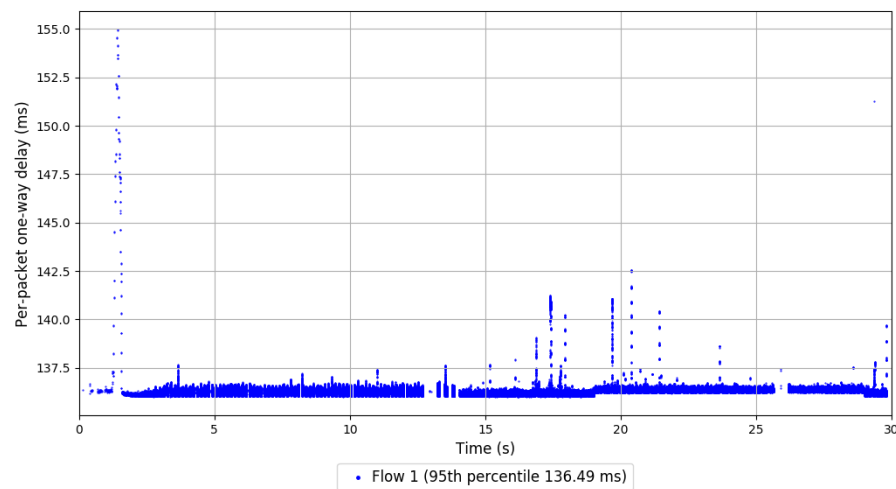
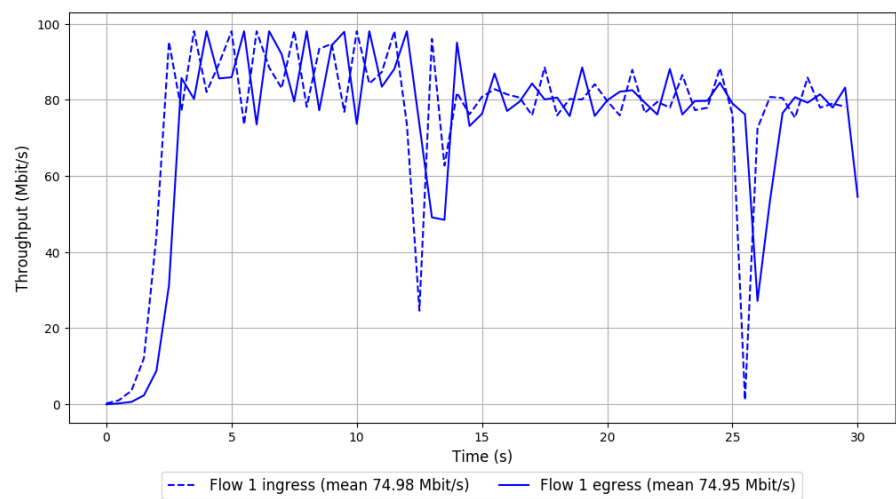
-- Flow 1:

Average throughput: 74.95 Mbit/s

95th percentile per-packet one-way delay: 136.491 ms

Loss rate: 0.95%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-25 23:05:27

End at: 2018-07-25 23:05:57

Local clock offset: 1.751 ms

Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-07-26 02:40:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.50 Mbit/s

95th percentile per-packet one-way delay: 137.872 ms

Loss rate: 0.96%

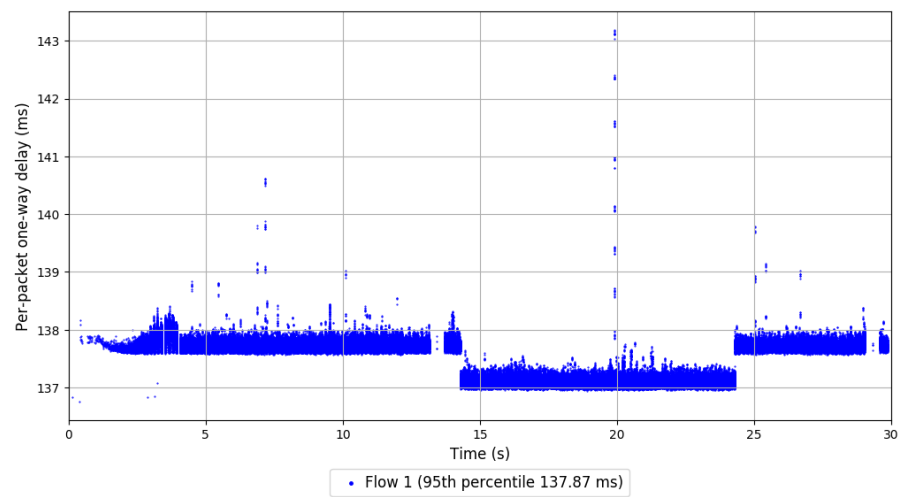
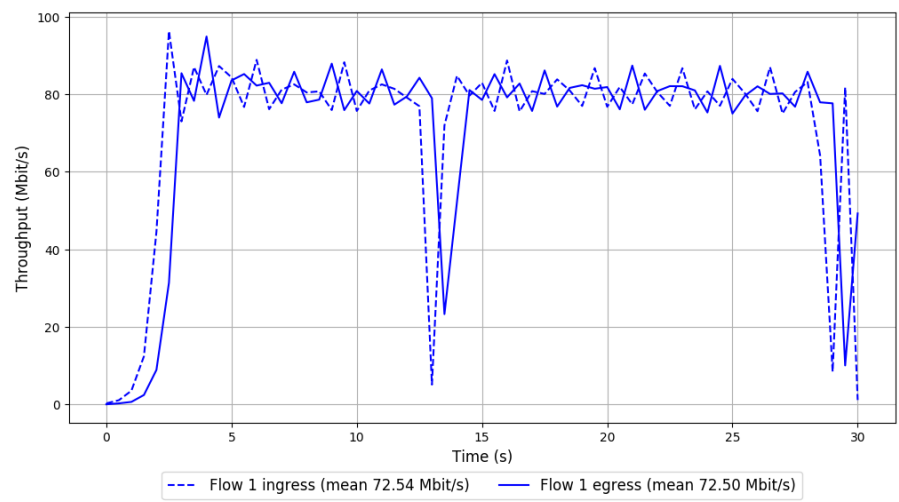
-- Flow 1:

Average throughput: 72.50 Mbit/s

95th percentile per-packet one-way delay: 137.872 ms

Loss rate: 0.96%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-25 23:28:04

End at: 2018-07-25 23:28:34

Local clock offset: 0.157 ms

Remote clock offset: -0.324 ms

Below is generated by plot.py at 2018-07-26 02:40:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.88 Mbit/s

95th percentile per-packet one-way delay: 136.876 ms

Loss rate: 0.92%

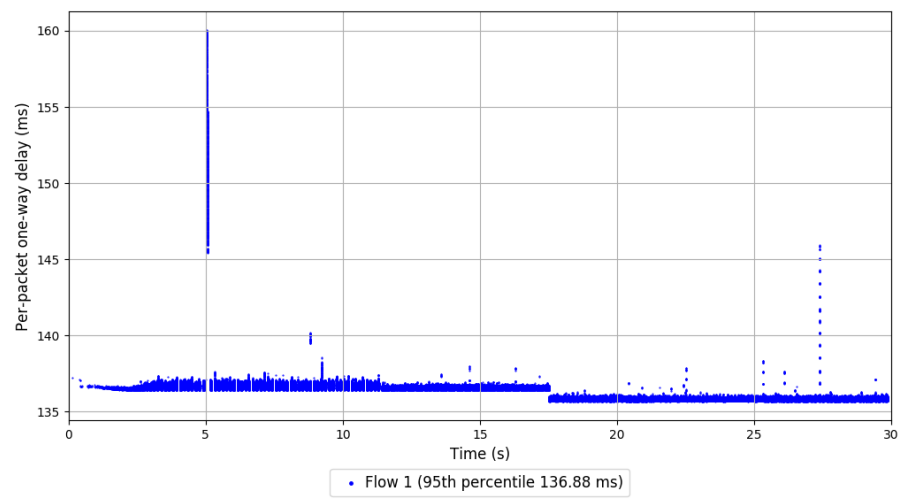
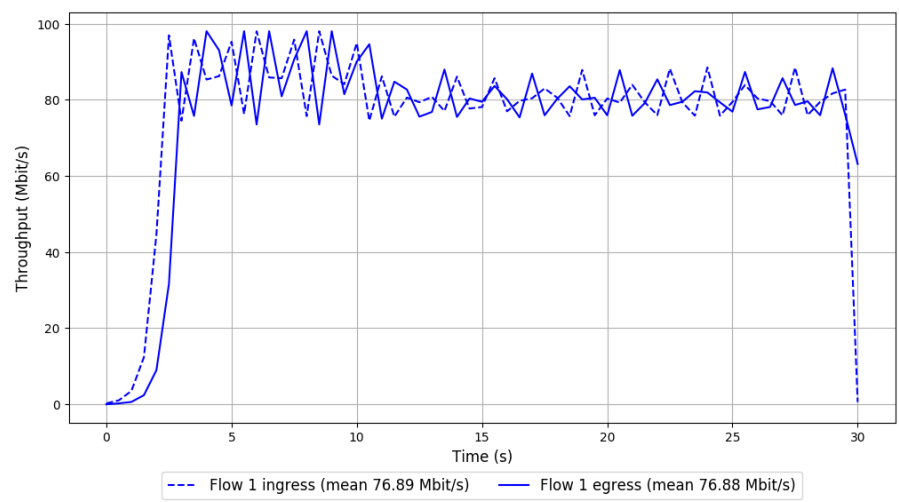
-- Flow 1:

Average throughput: 76.88 Mbit/s

95th percentile per-packet one-way delay: 136.876 ms

Loss rate: 0.92%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-25 23:51:09

End at: 2018-07-25 23:51:39

Local clock offset: 1.876 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-07-26 02:40:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.35 Mbit/s

95th percentile per-packet one-way delay: 138.418 ms

Loss rate: 0.98%

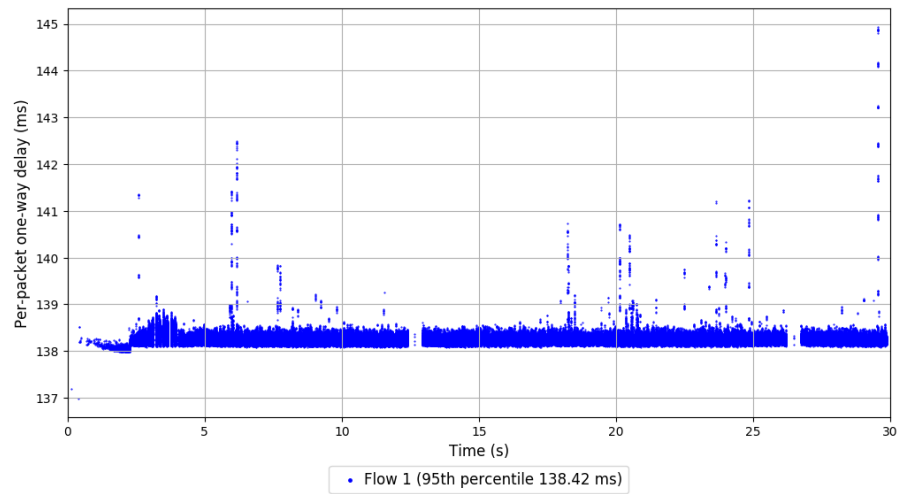
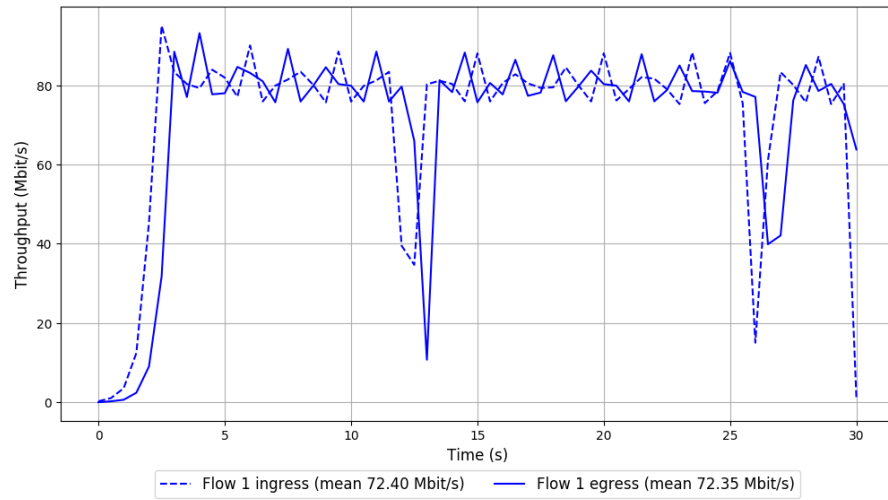
-- Flow 1:

Average throughput: 72.35 Mbit/s

95th percentile per-packet one-way delay: 138.418 ms

Loss rate: 0.98%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-26 00:14:14

End at: 2018-07-26 00:14:44

Local clock offset: -0.046 ms

Remote clock offset: 0.408 ms

Below is generated by plot.py at 2018-07-26 02:40:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.81 Mbit/s

95th percentile per-packet one-way delay: 136.057 ms

Loss rate: 0.97%

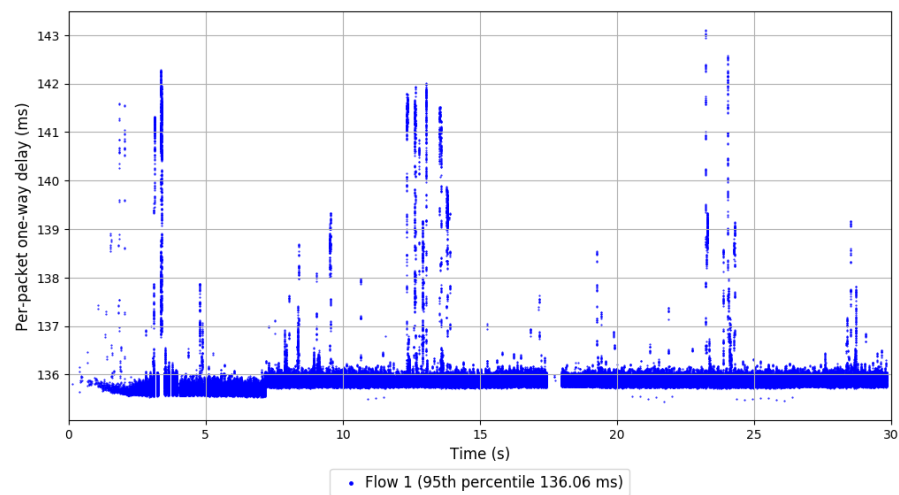
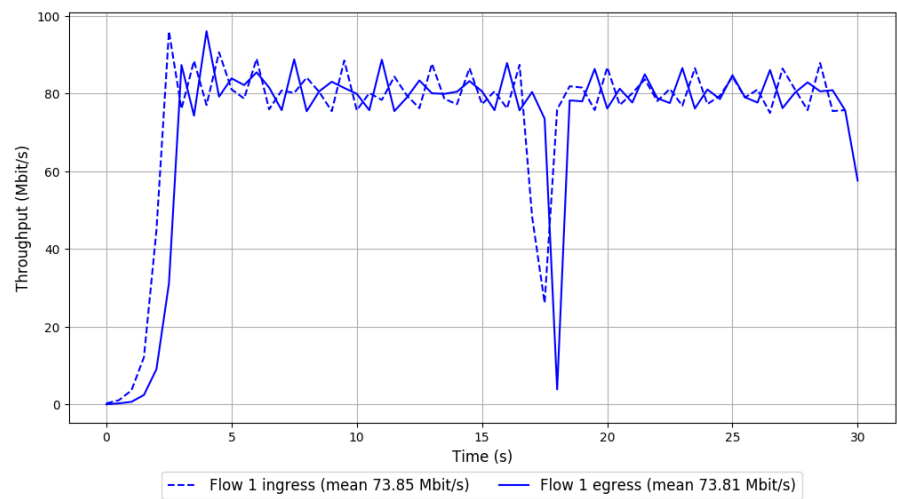
-- Flow 1:

Average throughput: 73.81 Mbit/s

95th percentile per-packet one-way delay: 136.057 ms

Loss rate: 0.97%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-26 00:37:14

End at: 2018-07-26 00:37:44

Local clock offset: -0.039 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-07-26 02:40:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.59 Mbit/s

95th percentile per-packet one-way delay: 135.711 ms

Loss rate: 0.93%

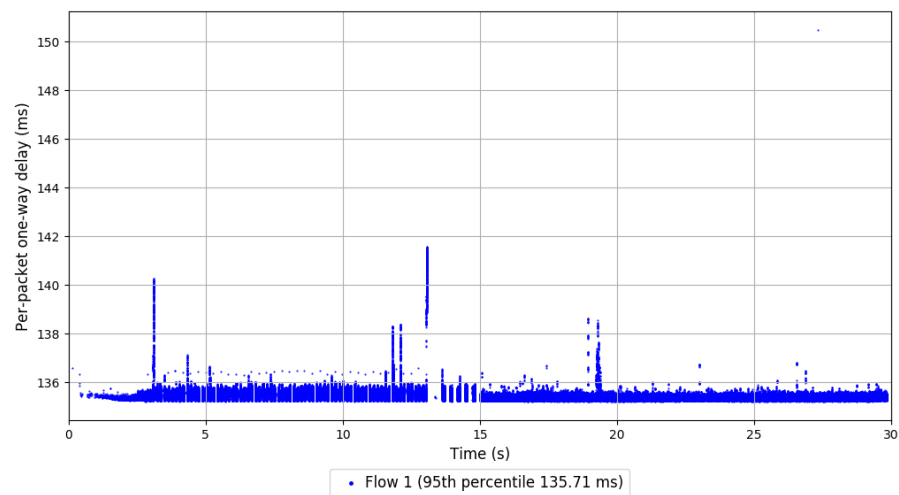
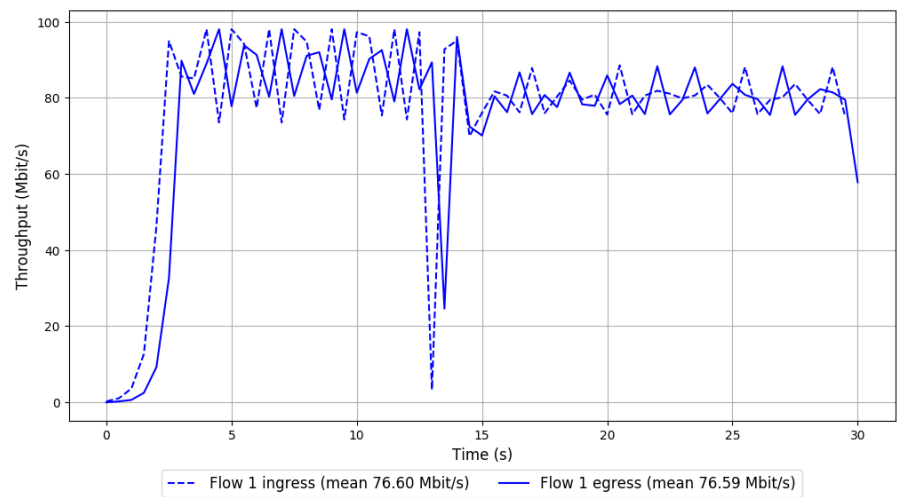
-- Flow 1:

Average throughput: 76.59 Mbit/s

95th percentile per-packet one-way delay: 135.711 ms

Loss rate: 0.93%

Run 6: Report of TCP BBR — Data Link

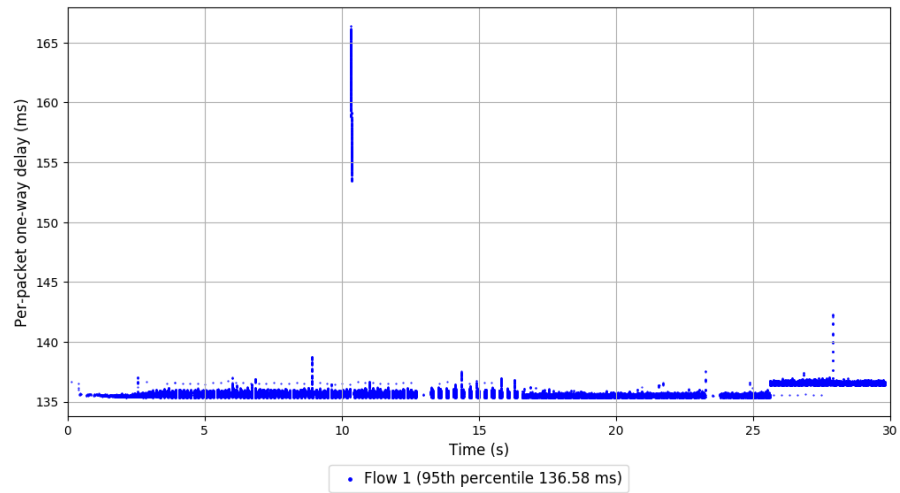
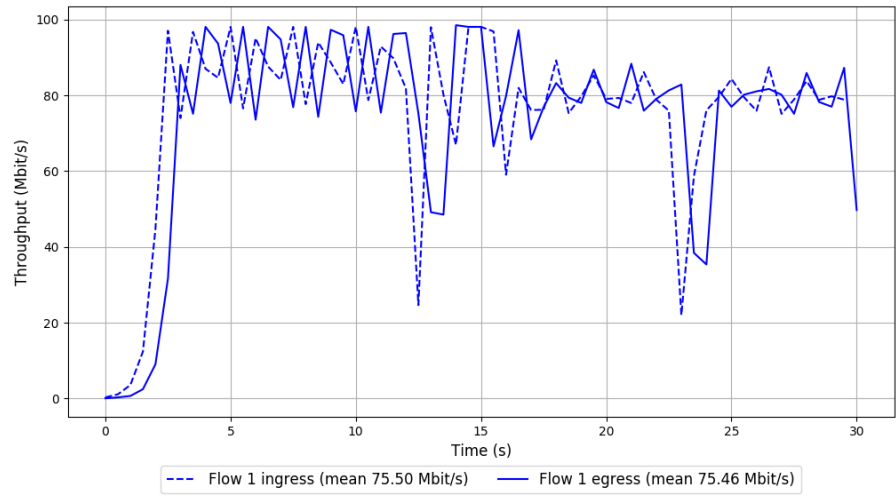


Run 7: Statistics of TCP BBR

Start at: 2018-07-26 00:59:55
End at: 2018-07-26 01:00:25
Local clock offset: 0.093 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-26 02:40:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.46 Mbit/s
95th percentile per-packet one-way delay: 136.584 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 75.46 Mbit/s
95th percentile per-packet one-way delay: 136.584 ms
Loss rate: 1.03%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-26 01:22:56

End at: 2018-07-26 01:23:26

Local clock offset: 1.734 ms

Remote clock offset: -0.402 ms

Below is generated by plot.py at 2018-07-26 02:40:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.34 Mbit/s

95th percentile per-packet one-way delay: 138.636 ms

Loss rate: 1.04%

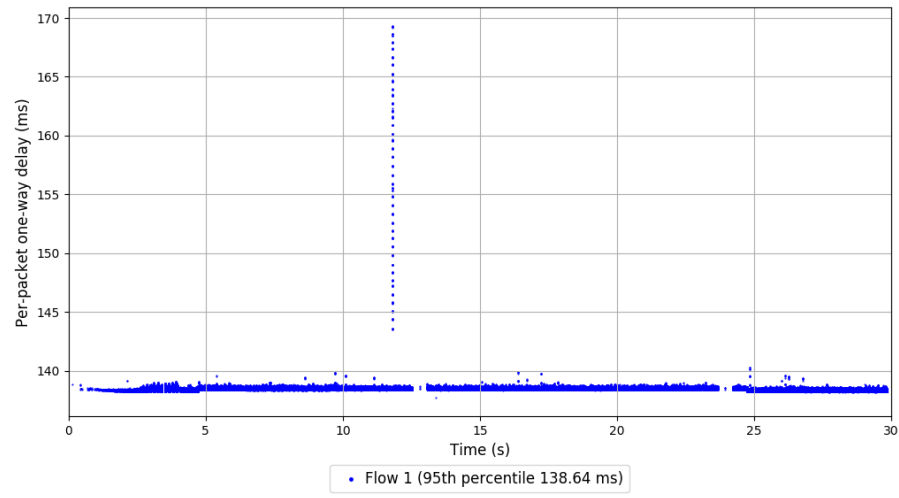
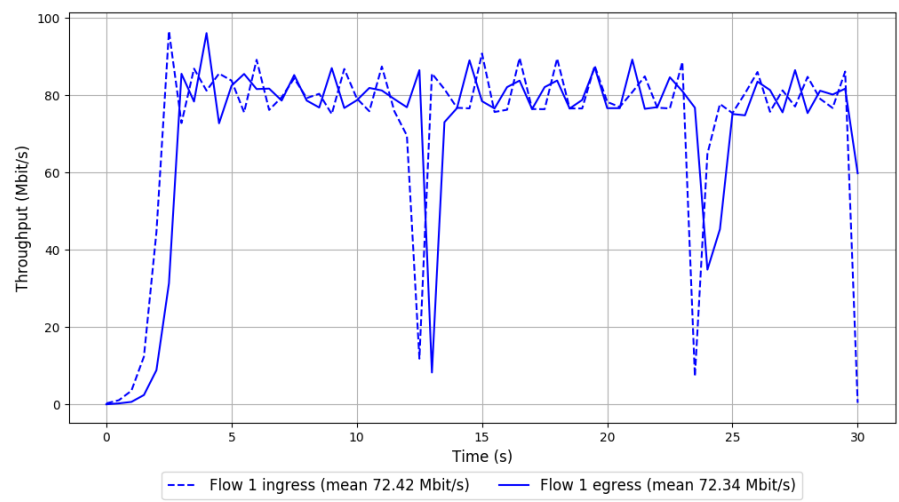
-- Flow 1:

Average throughput: 72.34 Mbit/s

95th percentile per-packet one-way delay: 138.636 ms

Loss rate: 1.04%

Run 8: Report of TCP BBR — Data Link

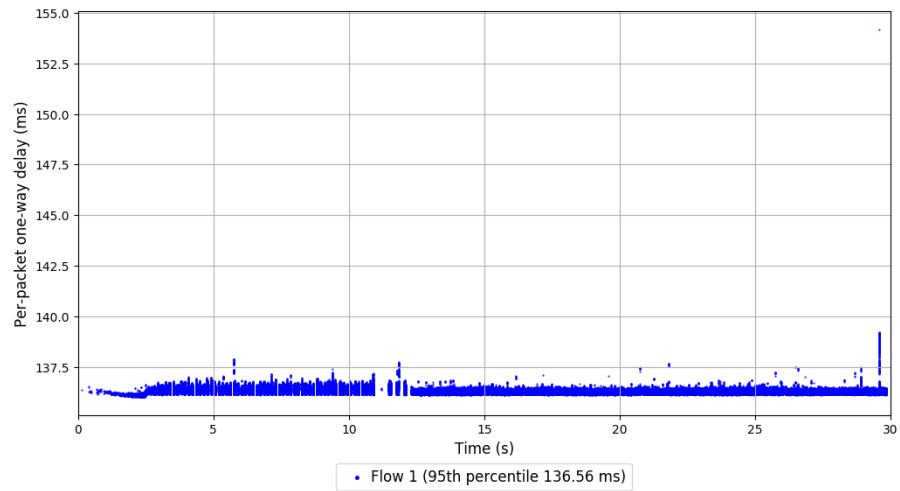
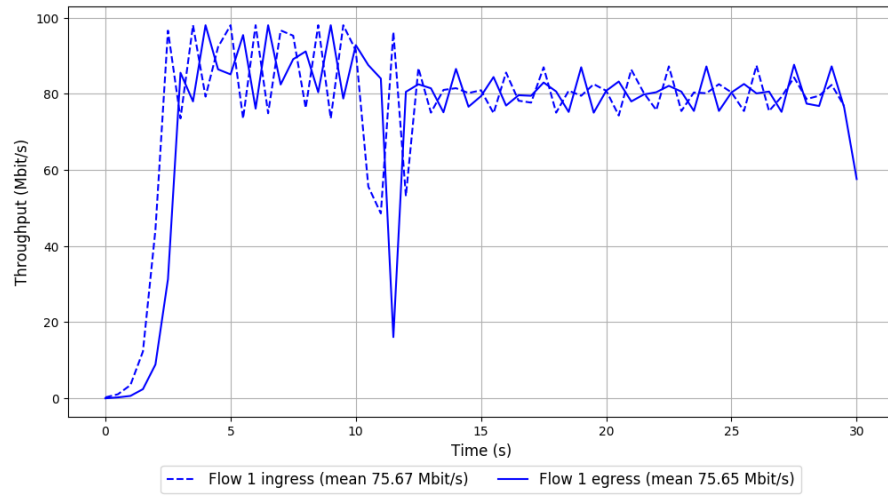


Run 9: Statistics of TCP BBR

Start at: 2018-07-26 01:45:59
End at: 2018-07-26 01:46:29
Local clock offset: -0.159 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-26 02:41:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.65 Mbit/s
95th percentile per-packet one-way delay: 136.556 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 75.65 Mbit/s
95th percentile per-packet one-way delay: 136.556 ms
Loss rate: 0.94%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-26 02:08:29

End at: 2018-07-26 02:08:59

Local clock offset: -0.066 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-07-26 02:41:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.49 Mbit/s

95th percentile per-packet one-way delay: 136.315 ms

Loss rate: 1.10%

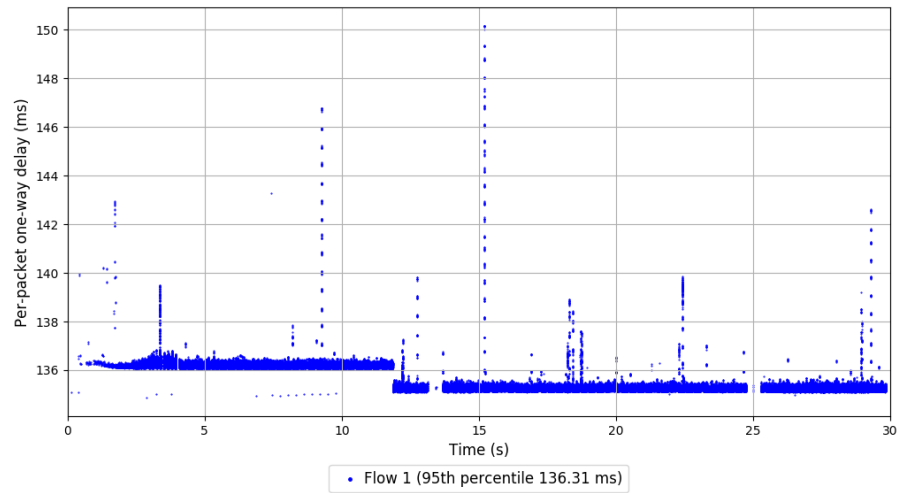
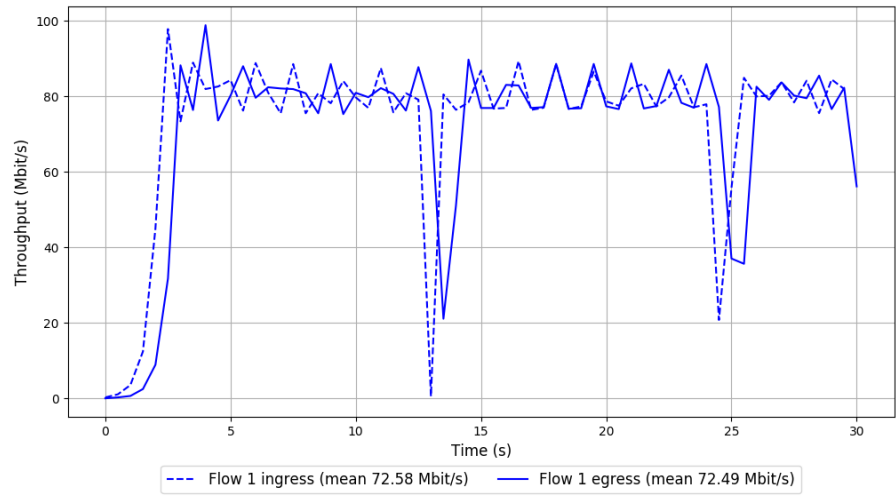
-- Flow 1:

Average throughput: 72.49 Mbit/s

95th percentile per-packet one-way delay: 136.315 ms

Loss rate: 1.10%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-25 22:48:09

End at: 2018-07-25 22:48:39

Local clock offset: 0.184 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-07-26 02:49:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 248.43 Mbit/s

95th percentile per-packet one-way delay: 165.705 ms

Loss rate: 0.31%

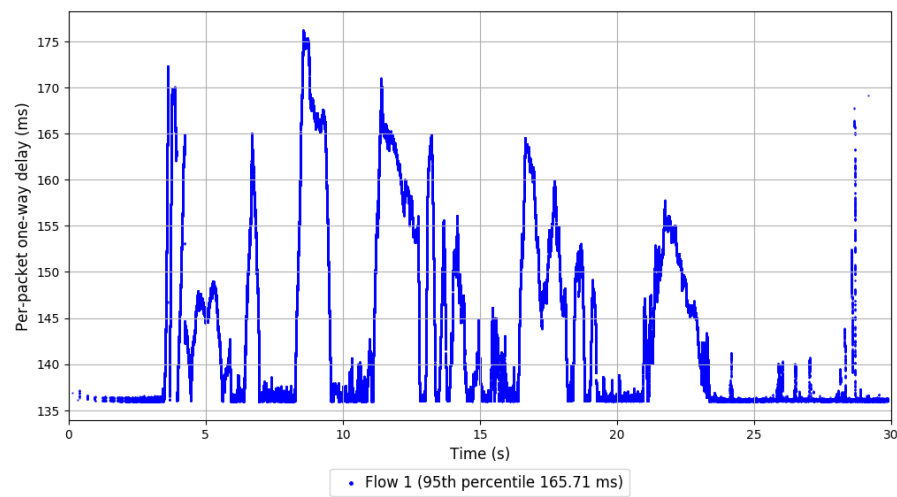
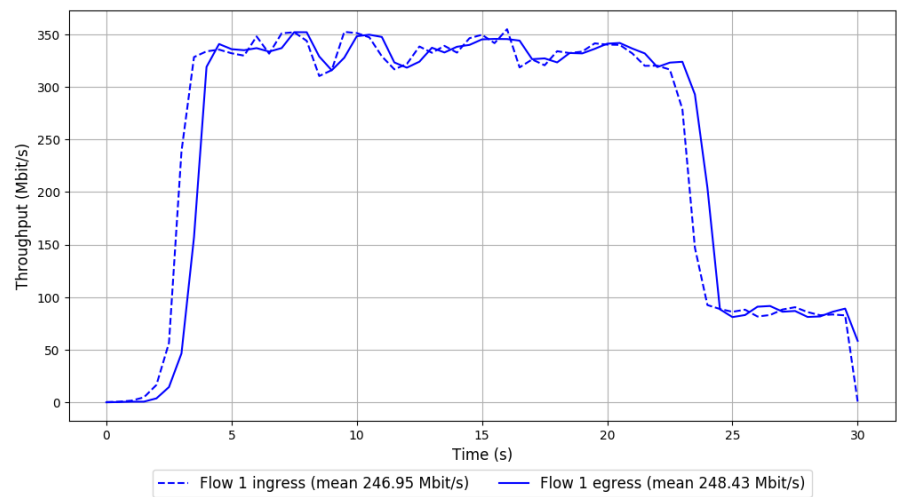
-- Flow 1:

Average throughput: 248.43 Mbit/s

95th percentile per-packet one-way delay: 165.705 ms

Loss rate: 0.31%

Run 1: Report of Copa — Data Link

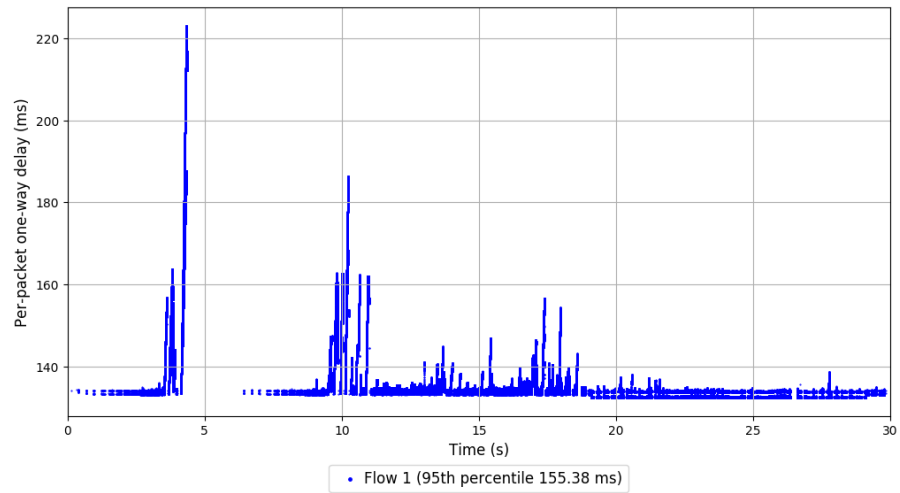
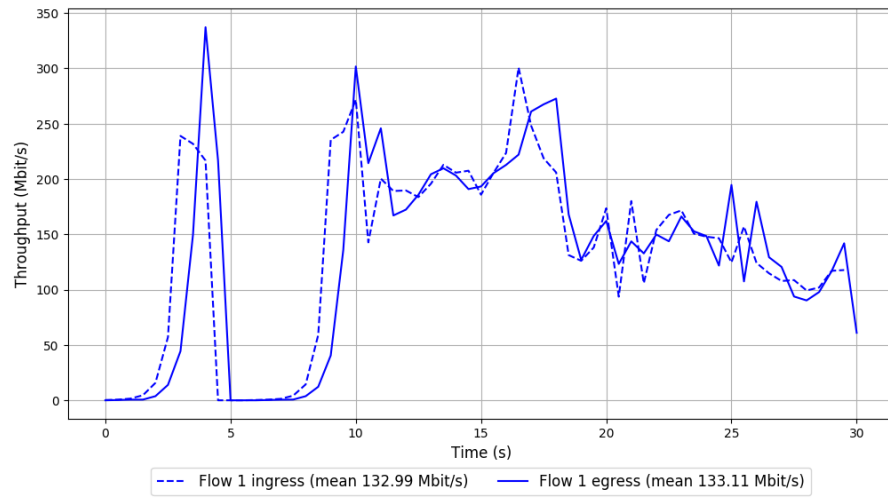


Run 2: Statistics of Copa

Start at: 2018-07-25 23:11:02
End at: 2018-07-25 23:11:32
Local clock offset: -1.731 ms
Remote clock offset: 0.246 ms

Below is generated by plot.py at 2018-07-26 02:49:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 133.11 Mbit/s
95th percentile per-packet one-way delay: 155.375 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 133.11 Mbit/s
95th percentile per-packet one-way delay: 155.375 ms
Loss rate: 0.77%

Run 2: Report of Copa — Data Link

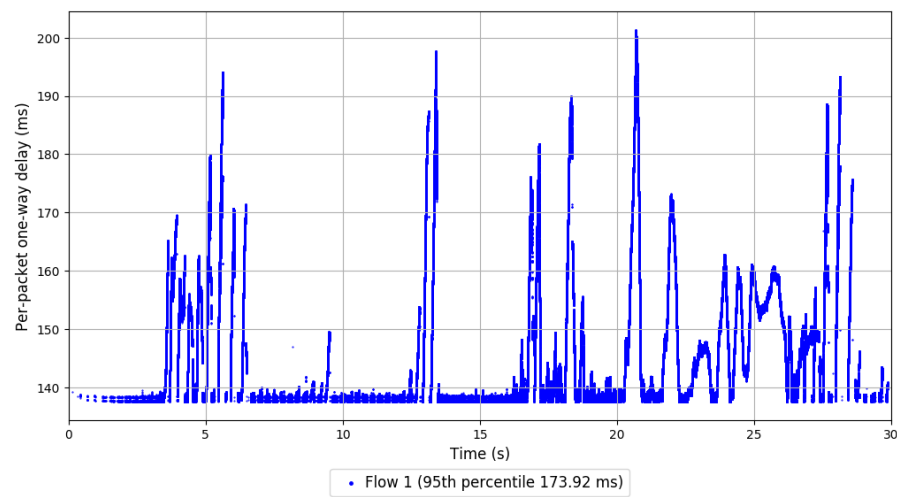
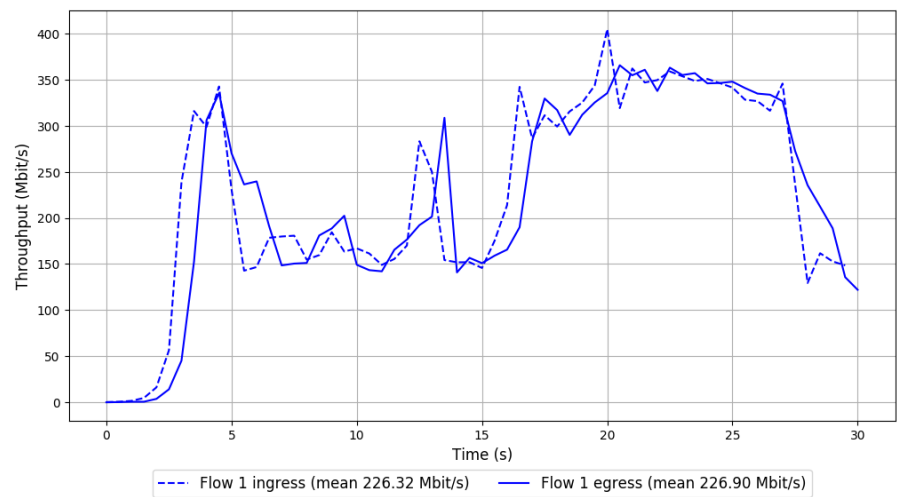


Run 3: Statistics of Copa

Start at: 2018-07-25 23:33:41
End at: 2018-07-25 23:34:11
Local clock offset: 2.058 ms
Remote clock offset: -0.321 ms

Below is generated by plot.py at 2018-07-26 02:49:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 226.90 Mbit/s
95th percentile per-packet one-way delay: 173.918 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 226.90 Mbit/s
95th percentile per-packet one-way delay: 173.918 ms
Loss rate: 0.66%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-25 23:56:49

End at: 2018-07-25 23:57:19

Local clock offset: 1.744 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-07-26 02:49:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 198.17 Mbit/s

95th percentile per-packet one-way delay: 160.442 ms

Loss rate: 0.72%

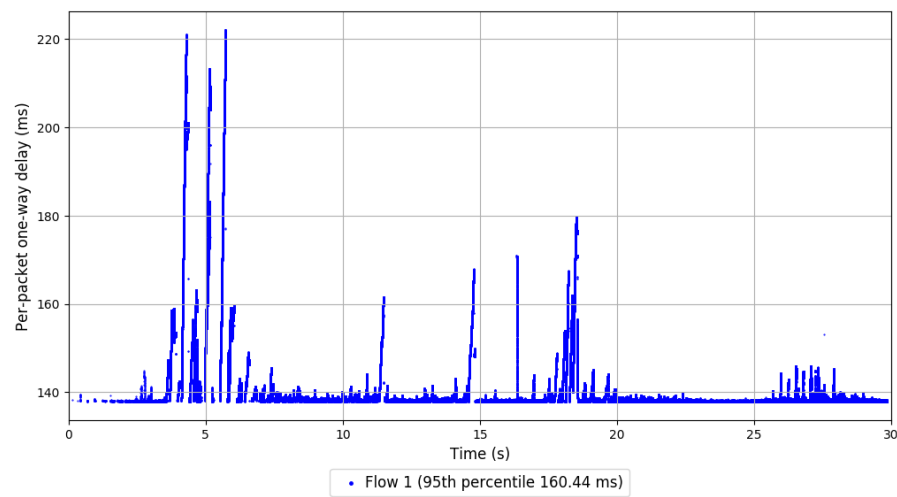
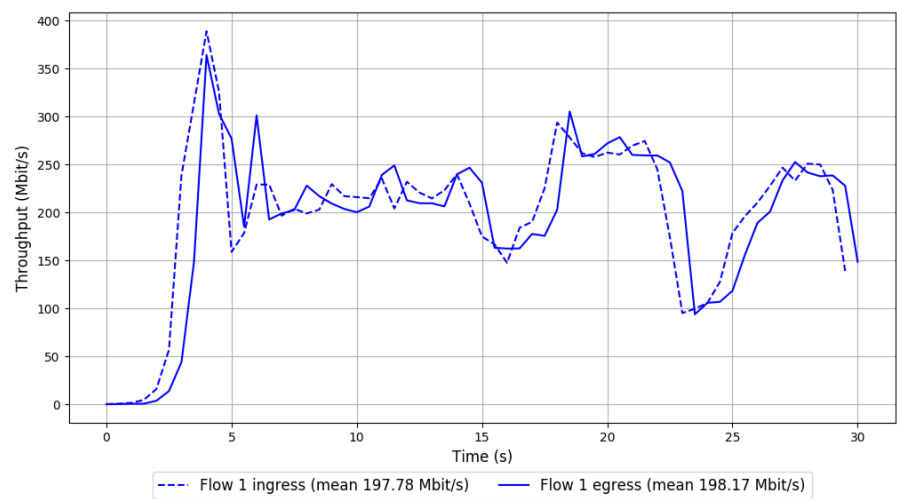
-- Flow 1:

Average throughput: 198.17 Mbit/s

95th percentile per-packet one-way delay: 160.442 ms

Loss rate: 0.72%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-26 00:19:48

End at: 2018-07-26 00:20:18

Local clock offset: -0.183 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-26 02:49:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 192.51 Mbit/s

95th percentile per-packet one-way delay: 163.862 ms

Loss rate: 0.76%

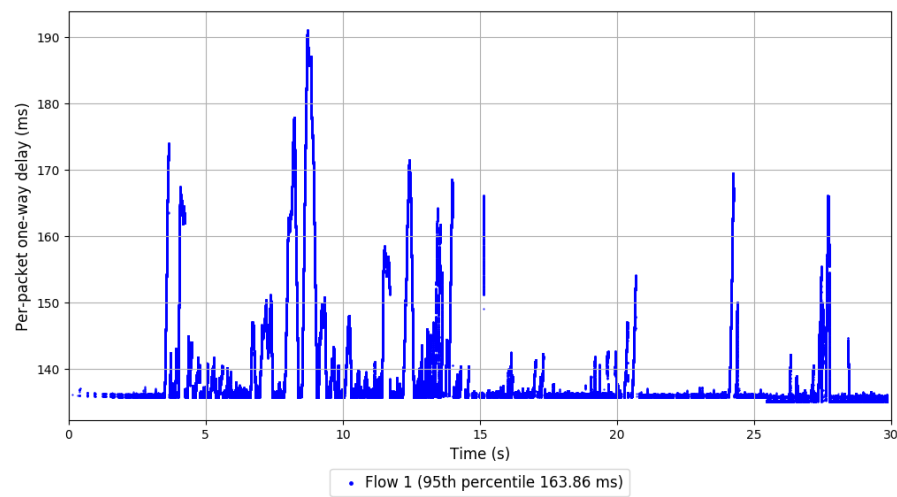
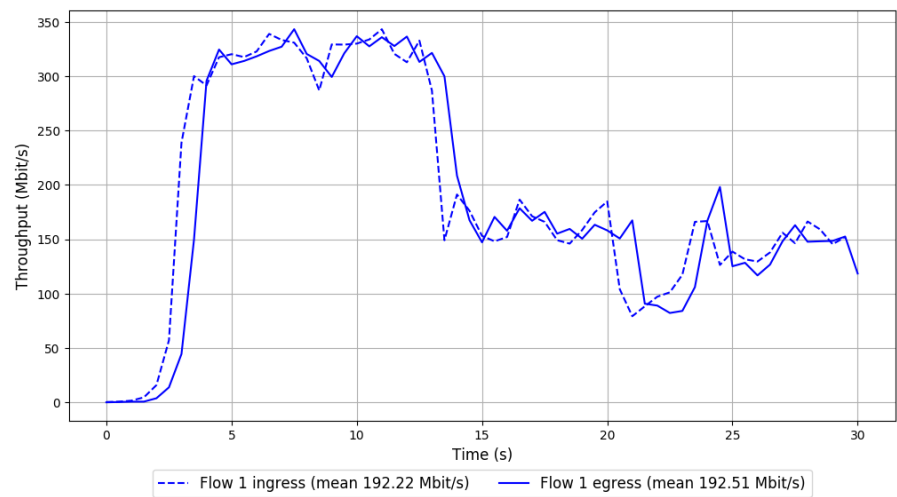
-- Flow 1:

Average throughput: 192.51 Mbit/s

95th percentile per-packet one-way delay: 163.862 ms

Loss rate: 0.76%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-26 00:42:44

End at: 2018-07-26 00:43:14

Local clock offset: -0.113 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-26 02:49:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 174.37 Mbit/s

95th percentile per-packet one-way delay: 158.380 ms

Loss rate: 1.06%

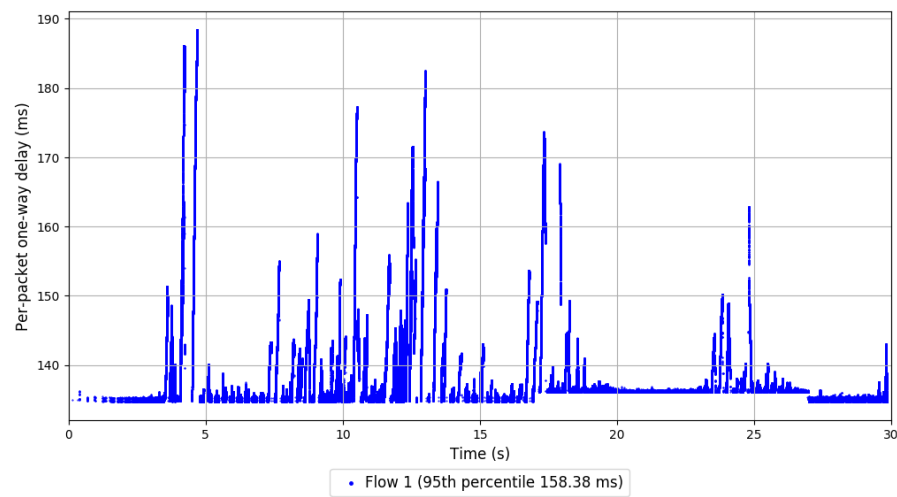
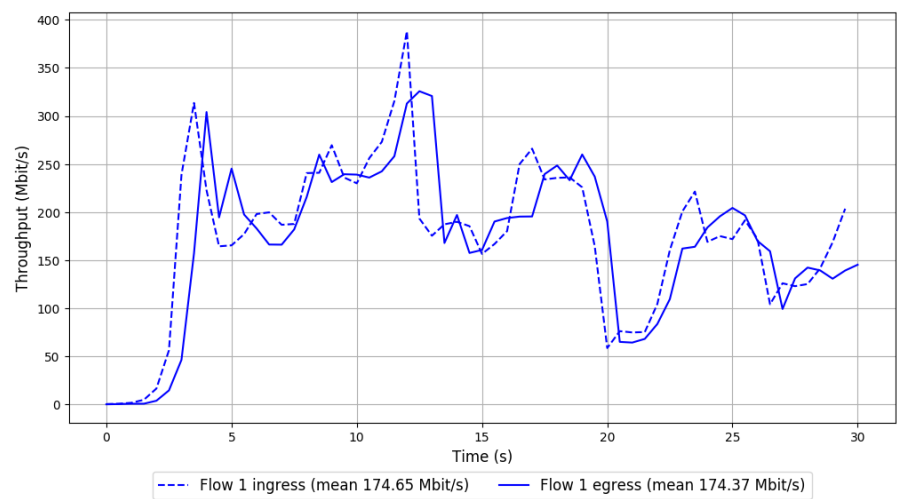
-- Flow 1:

Average throughput: 174.37 Mbit/s

95th percentile per-packet one-way delay: 158.380 ms

Loss rate: 1.06%

Run 6: Report of Copa — Data Link

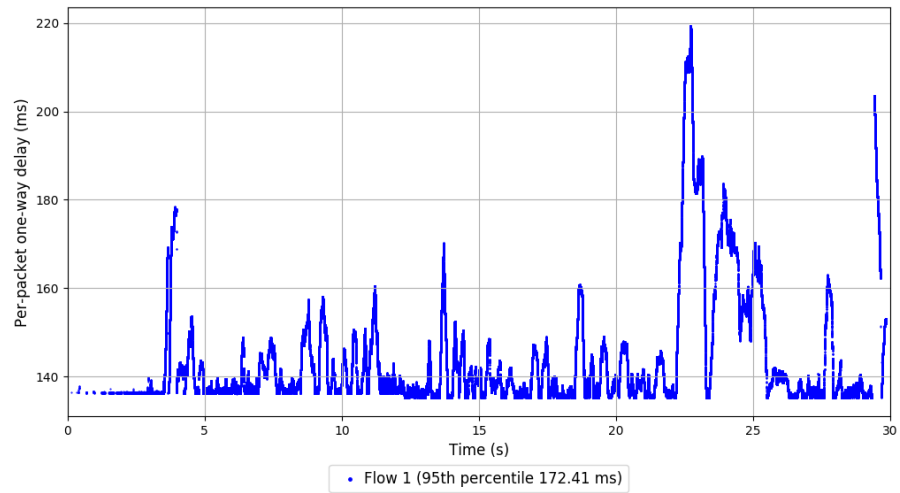
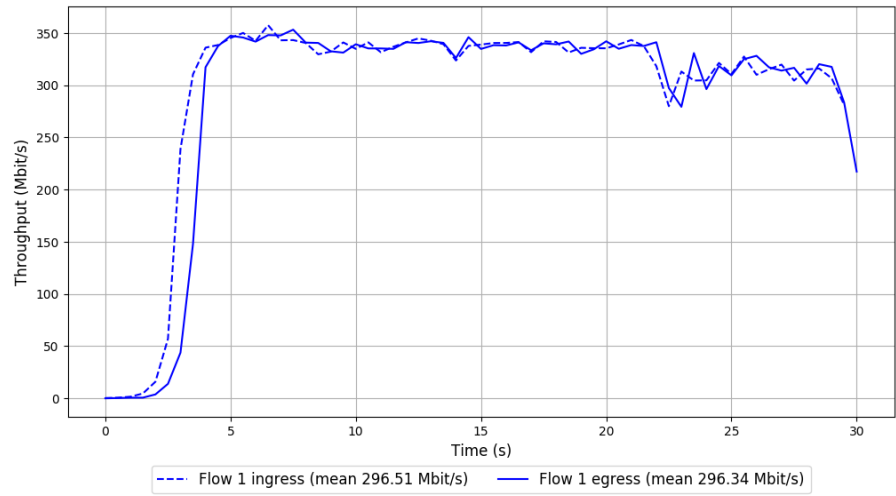


Run 7: Statistics of Copa

Start at: 2018-07-26 01:05:29
End at: 2018-07-26 01:05:59
Local clock offset: -0.268 ms
Remote clock offset: -0.335 ms

Below is generated by plot.py at 2018-07-26 02:53:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 296.34 Mbit/s
95th percentile per-packet one-way delay: 172.409 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 296.34 Mbit/s
95th percentile per-packet one-way delay: 172.409 ms
Loss rate: 0.96%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-26 01:28:34

End at: 2018-07-26 01:29:04

Local clock offset: -0.045 ms

Remote clock offset: 0.322 ms

Below is generated by plot.py at 2018-07-26 02:53:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 269.54 Mbit/s

95th percentile per-packet one-way delay: 172.514 ms

Loss rate: 1.19%

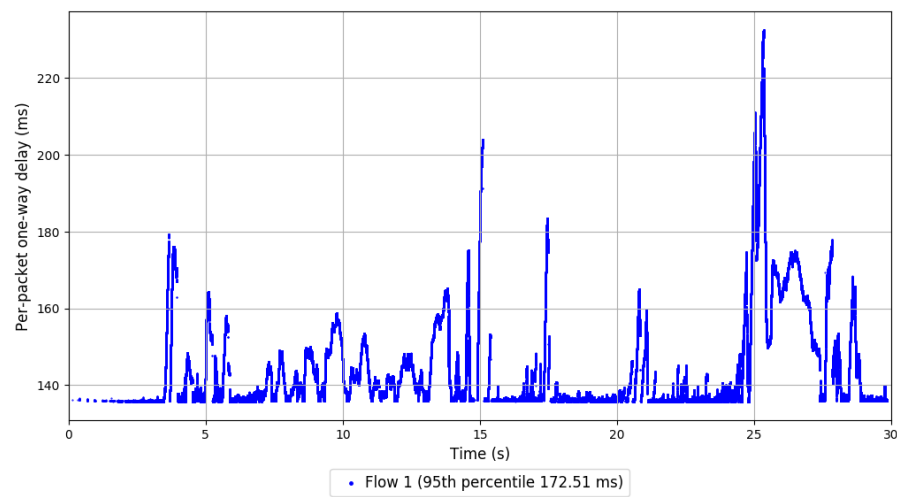
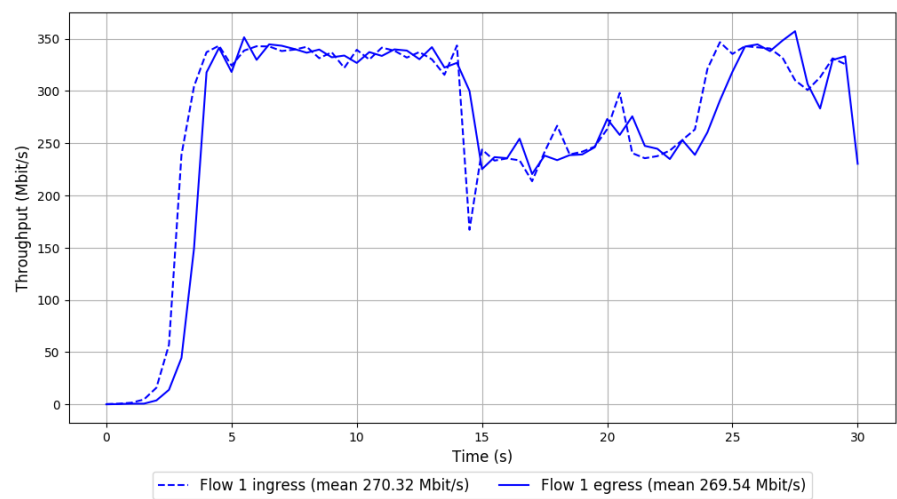
-- Flow 1:

Average throughput: 269.54 Mbit/s

95th percentile per-packet one-way delay: 172.514 ms

Loss rate: 1.19%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-26 01:51:20

End at: 2018-07-26 01:51:50

Local clock offset: -0.1 ms

Remote clock offset: 0.379 ms

Below is generated by plot.py at 2018-07-26 02:53:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 133.73 Mbit/s

95th percentile per-packet one-way delay: 157.390 ms

Loss rate: 1.43%

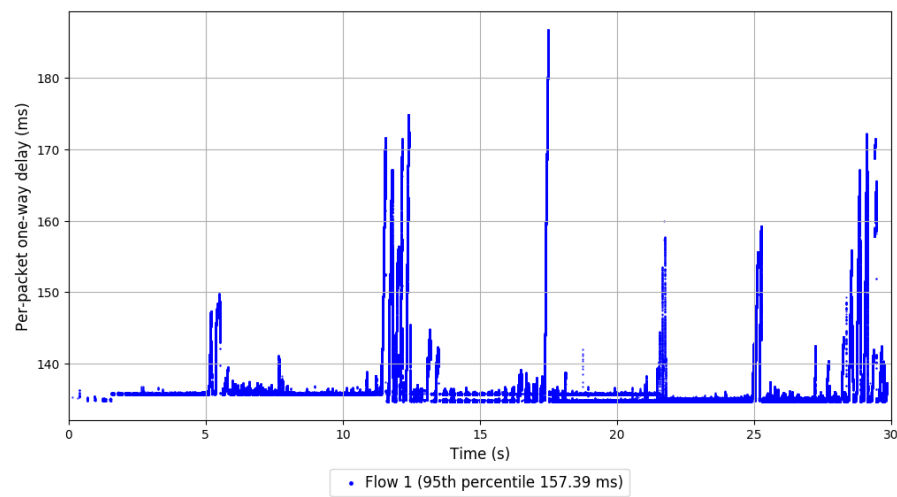
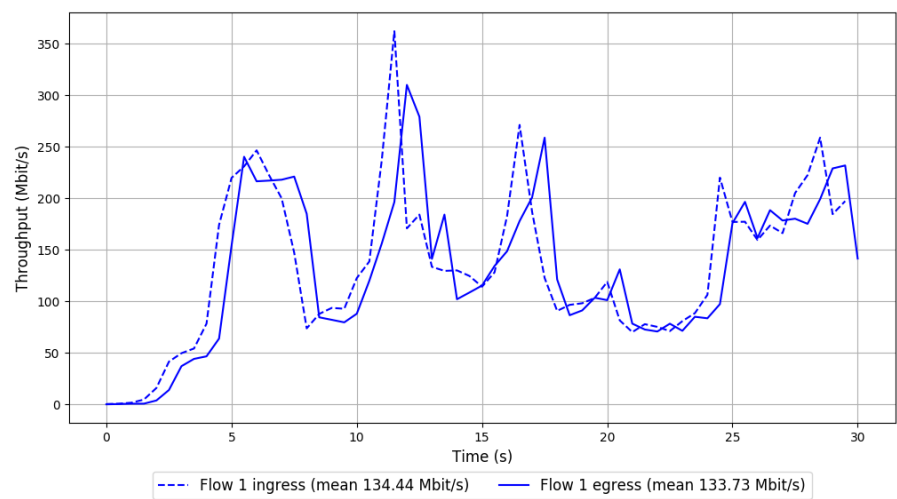
-- Flow 1:

Average throughput: 133.73 Mbit/s

95th percentile per-packet one-way delay: 157.390 ms

Loss rate: 1.43%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-26 02:14:06

End at: 2018-07-26 02:14:36

Local clock offset: -0.29 ms

Remote clock offset: -0.359 ms

Below is generated by plot.py at 2018-07-26 02:53:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 114.28 Mbit/s

95th percentile per-packet one-way delay: 137.056 ms

Loss rate: 0.99%

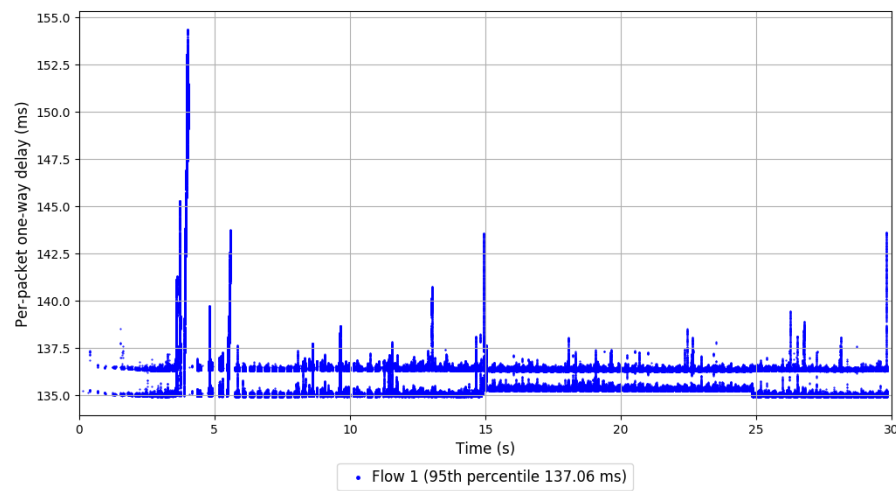
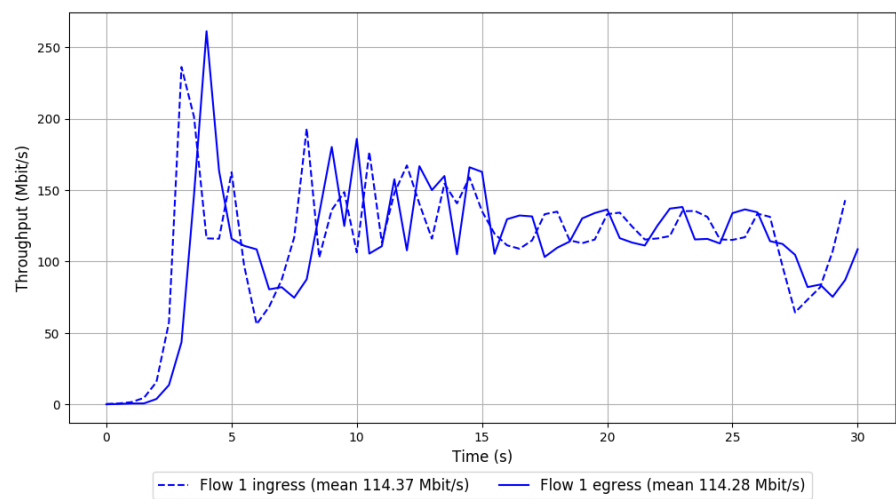
-- Flow 1:

Average throughput: 114.28 Mbit/s

95th percentile per-packet one-way delay: 137.056 ms

Loss rate: 0.99%

Run 10: Report of Copa — Data Link

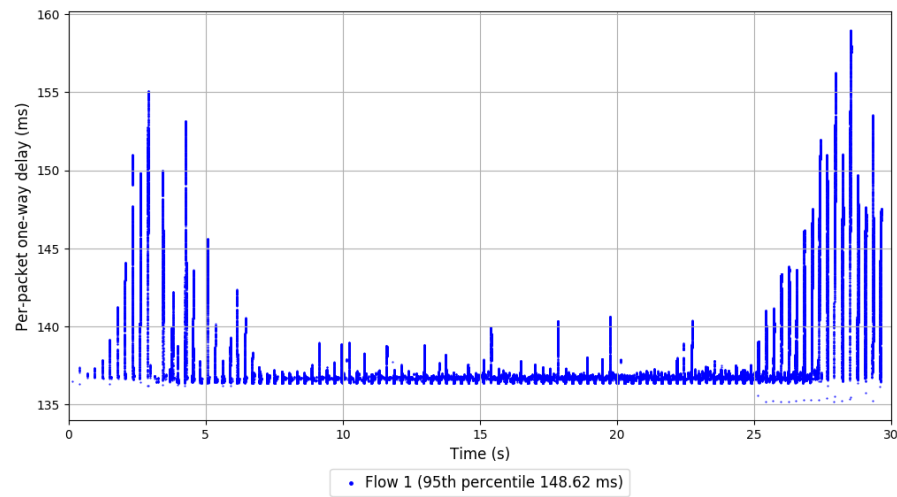
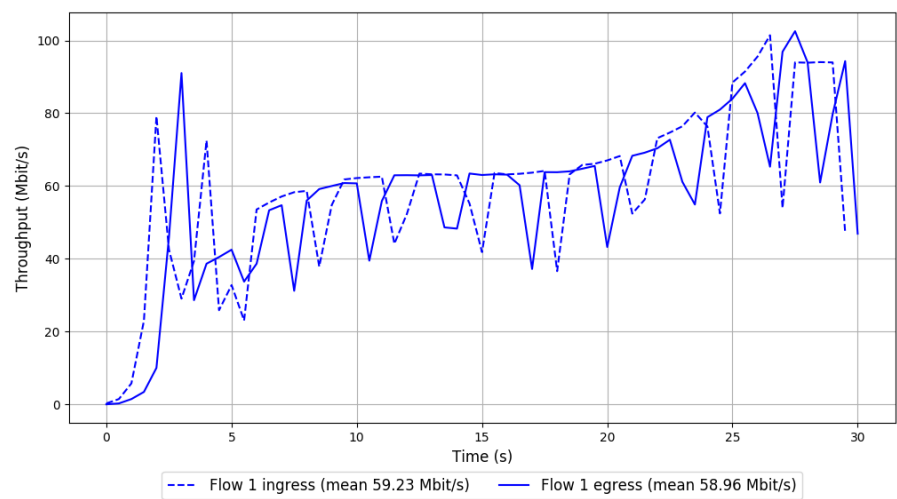


Run 1: Statistics of TCP Cubic

Start at: 2018-07-25 22:44:05
End at: 2018-07-25 22:44:35
Local clock offset: -0.05 ms
Remote clock offset: -0.463 ms

Below is generated by plot.py at 2018-07-26 02:53:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.96 Mbit/s
95th percentile per-packet one-way delay: 148.617 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 58.96 Mbit/s
95th percentile per-packet one-way delay: 148.617 ms
Loss rate: 1.34%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-25 23:06:40

End at: 2018-07-25 23:07:10

Local clock offset: 1.972 ms

Remote clock offset: 0.288 ms

Below is generated by plot.py at 2018-07-26 02:53:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.01 Mbit/s

95th percentile per-packet one-way delay: 149.363 ms

Loss rate: 0.99%

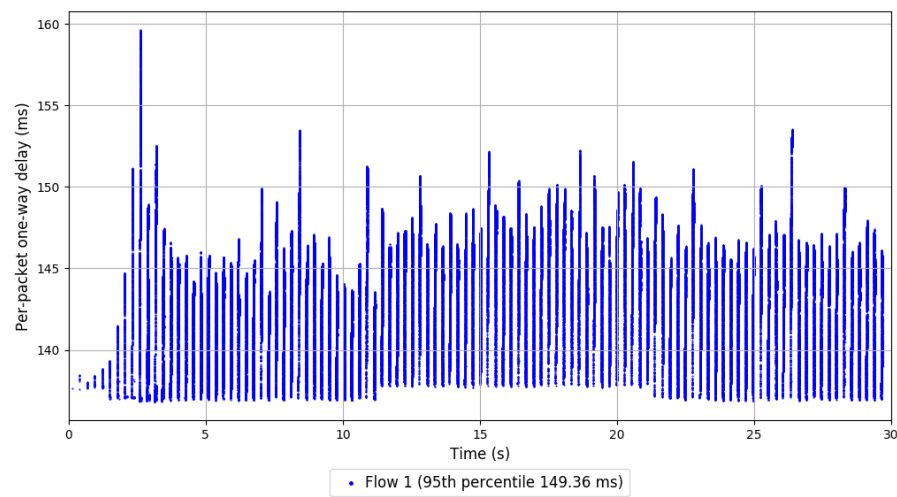
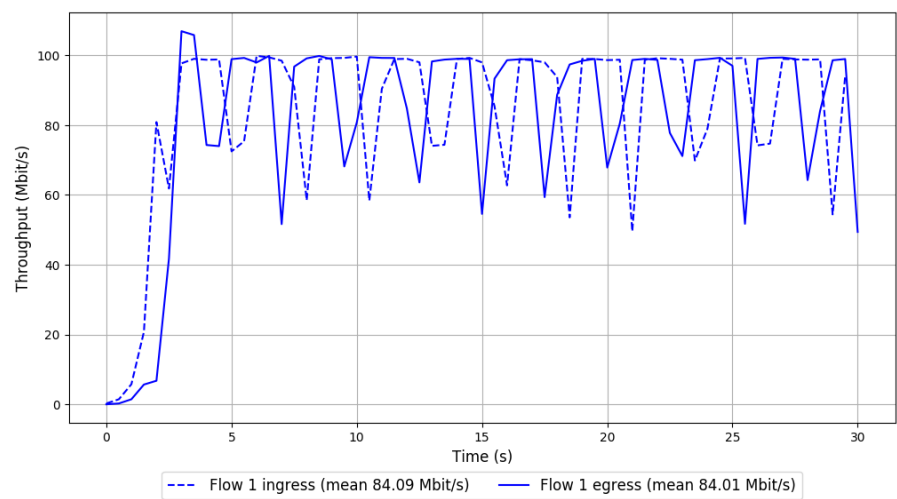
-- Flow 1:

Average throughput: 84.01 Mbit/s

95th percentile per-packet one-way delay: 149.363 ms

Loss rate: 0.99%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-07-25 23:29:17

End at: 2018-07-25 23:29:47

Local clock offset: 0.03 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-07-26 02:53:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.04 Mbit/s

95th percentile per-packet one-way delay: 148.330 ms

Loss rate: 1.00%

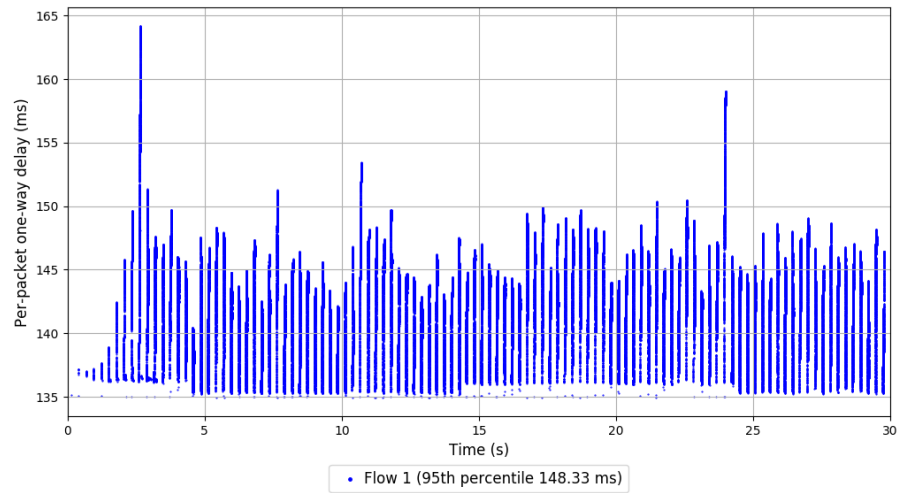
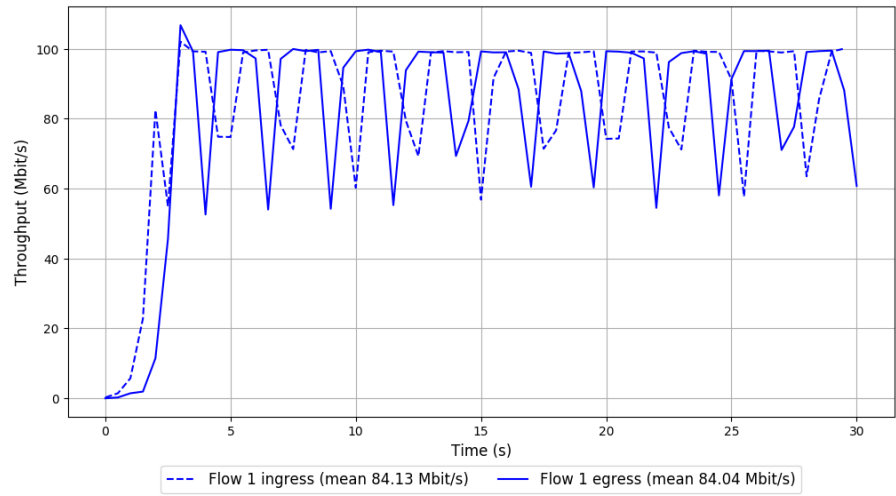
-- Flow 1:

Average throughput: 84.04 Mbit/s

95th percentile per-packet one-way delay: 148.330 ms

Loss rate: 1.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-25 23:52:22

End at: 2018-07-25 23:52:52

Local clock offset: 0.08 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-07-26 02:53:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.36 Mbit/s

95th percentile per-packet one-way delay: 149.666 ms

Loss rate: 1.01%

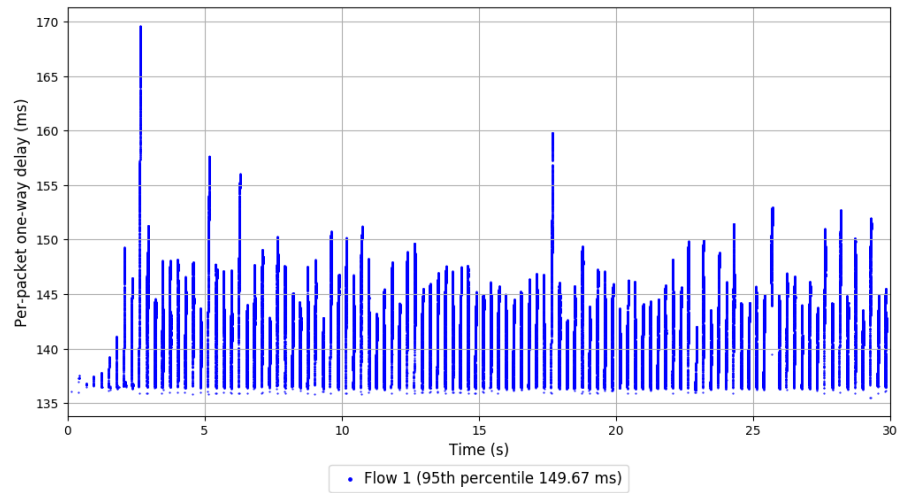
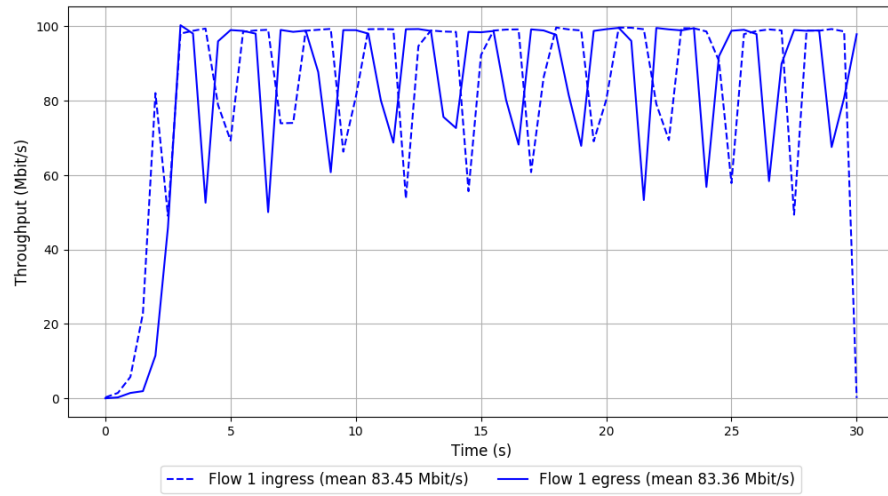
-- Flow 1:

Average throughput: 83.36 Mbit/s

95th percentile per-packet one-way delay: 149.666 ms

Loss rate: 1.01%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-26 00:15:27

End at: 2018-07-26 00:15:57

Local clock offset: 1.813 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-26 02:53:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.87 Mbit/s

95th percentile per-packet one-way delay: 149.345 ms

Loss rate: 0.98%

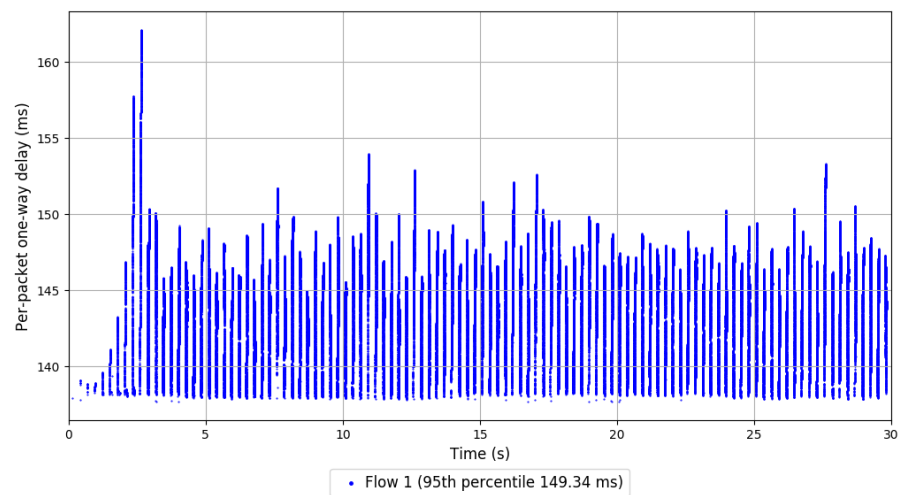
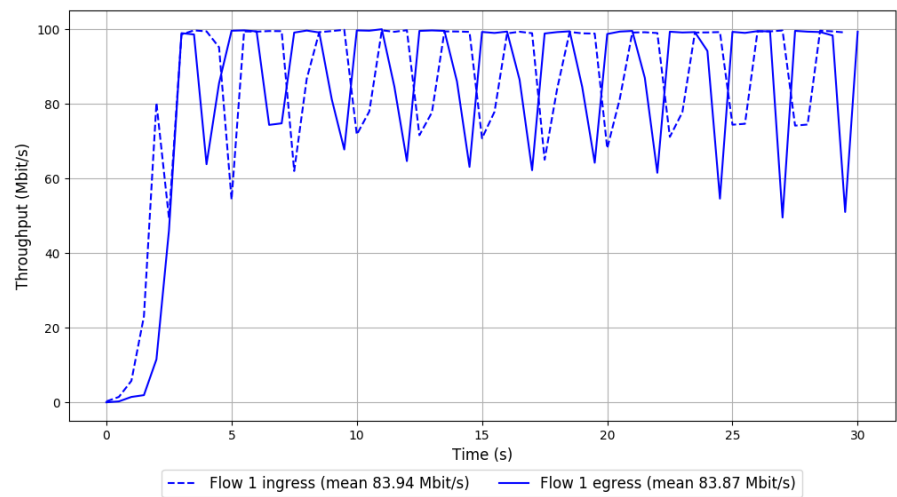
-- Flow 1:

Average throughput: 83.87 Mbit/s

95th percentile per-packet one-way delay: 149.345 ms

Loss rate: 0.98%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-26 00:38:27

End at: 2018-07-26 00:38:57

Local clock offset: 1.913 ms

Remote clock offset: 0.395 ms

Below is generated by plot.py at 2018-07-26 02:53:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.56 Mbit/s

95th percentile per-packet one-way delay: 149.938 ms

Loss rate: 1.05%

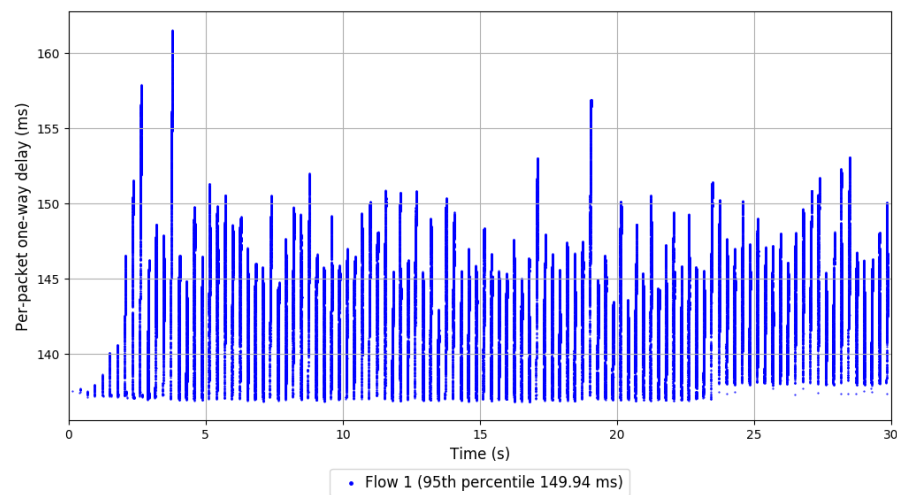
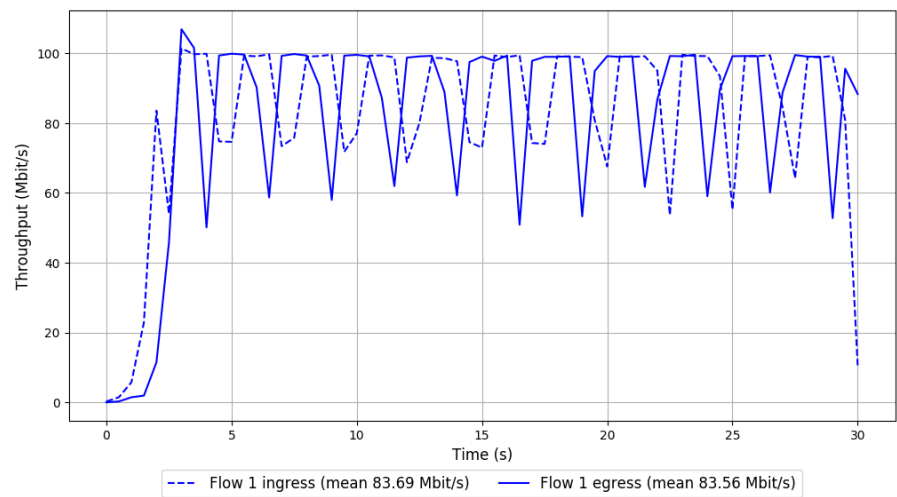
-- Flow 1:

Average throughput: 83.56 Mbit/s

95th percentile per-packet one-way delay: 149.938 ms

Loss rate: 1.05%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-07-26 01:01:09

End at: 2018-07-26 01:01:39

Local clock offset: -0.032 ms

Remote clock offset: 0.373 ms

Below is generated by plot.py at 2018-07-26 02:53:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.67 Mbit/s

95th percentile per-packet one-way delay: 148.760 ms

Loss rate: 0.98%

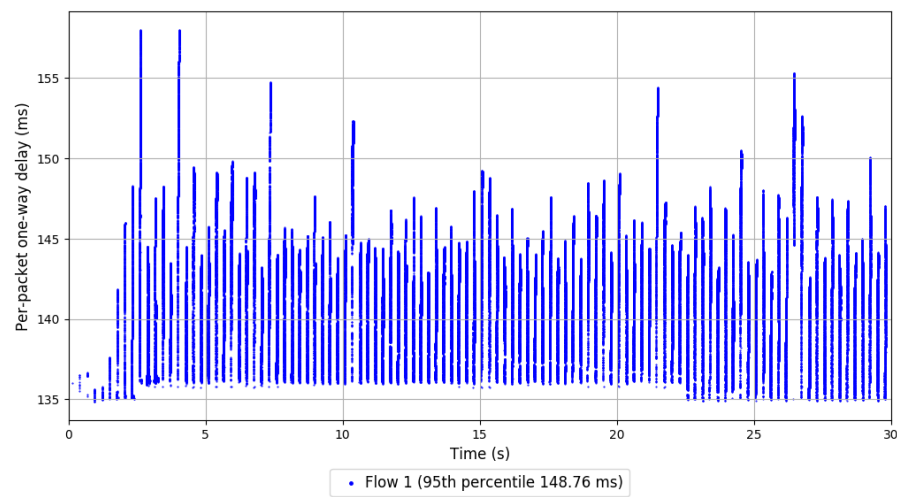
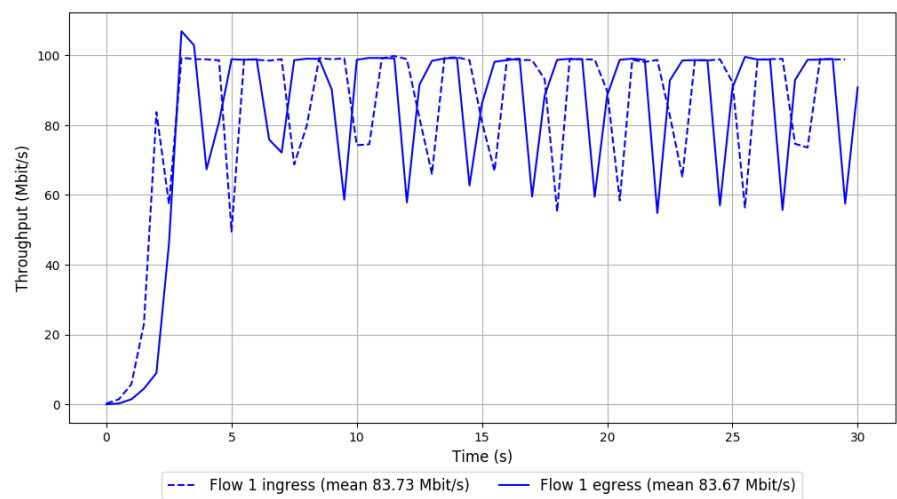
-- Flow 1:

Average throughput: 83.67 Mbit/s

95th percentile per-packet one-way delay: 148.760 ms

Loss rate: 0.98%

Run 7: Report of TCP Cubic — Data Link

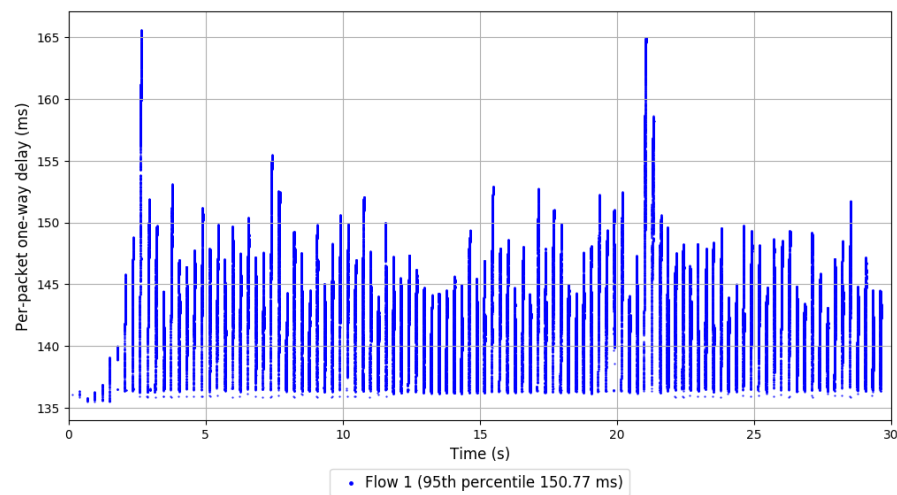
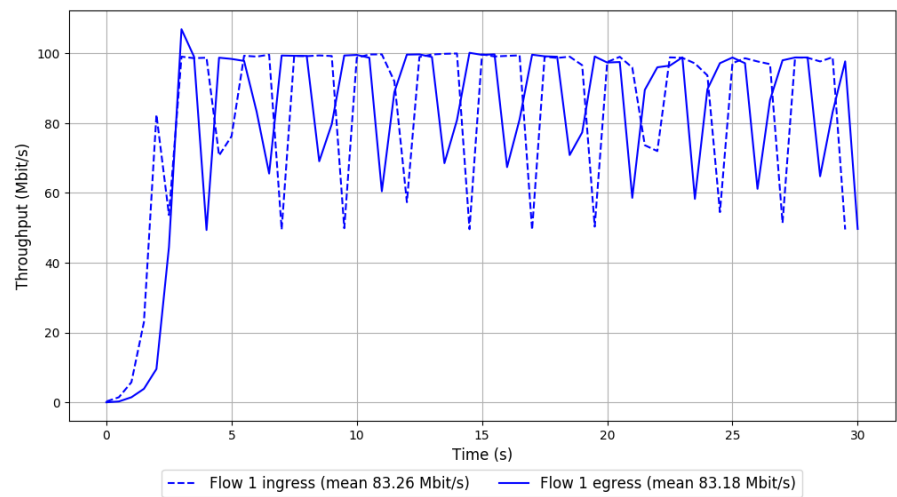


Run 8: Statistics of TCP Cubic

Start at: 2018-07-26 01:24:09
End at: 2018-07-26 01:24:39
Local clock offset: -0.027 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-26 02:53:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.18 Mbit/s
95th percentile per-packet one-way delay: 150.769 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 83.18 Mbit/s
95th percentile per-packet one-way delay: 150.769 ms
Loss rate: 1.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-26 01:47:12

End at: 2018-07-26 01:47:42

Local clock offset: 0.015 ms

Remote clock offset: 0.382 ms

Below is generated by plot.py at 2018-07-26 02:53:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.62 Mbit/s

95th percentile per-packet one-way delay: 149.255 ms

Loss rate: 1.05%

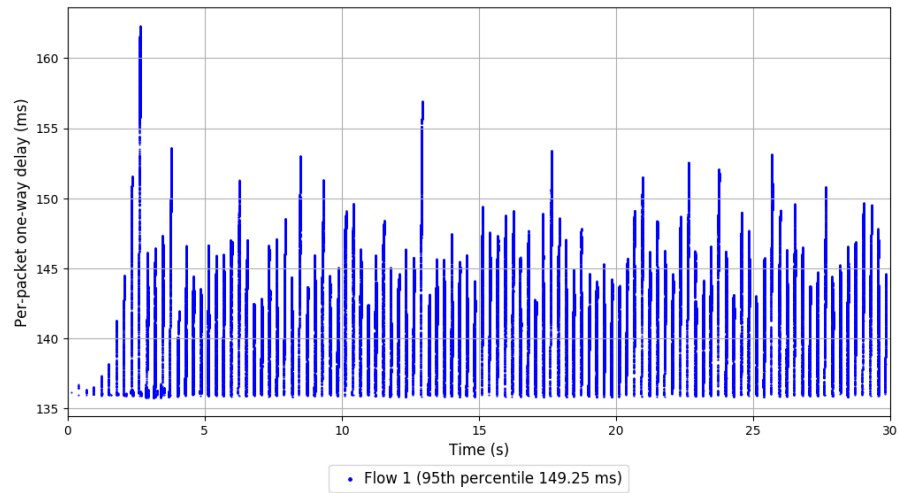
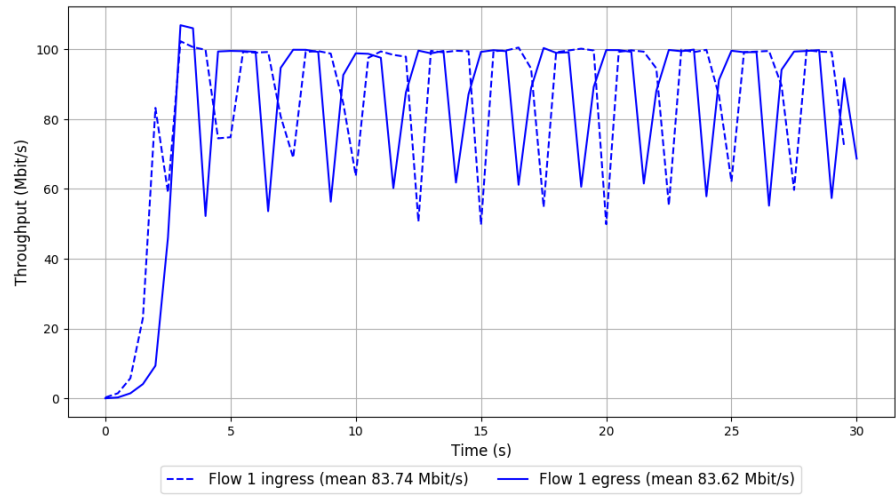
-- Flow 1:

Average throughput: 83.62 Mbit/s

95th percentile per-packet one-way delay: 149.255 ms

Loss rate: 1.05%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-26 02:09:43

End at: 2018-07-26 02:10:13

Local clock offset: 1.868 ms

Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-26 02:53:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.86 Mbit/s

95th percentile per-packet one-way delay: 149.015 ms

Loss rate: 1.31%

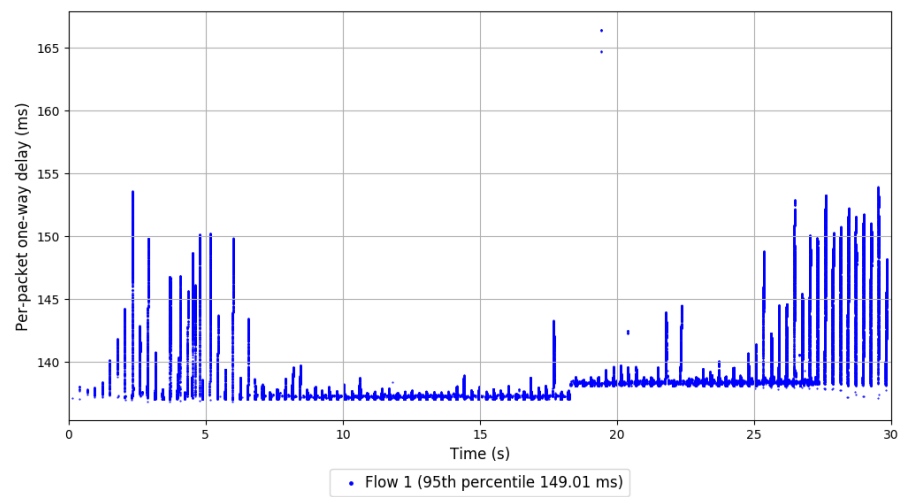
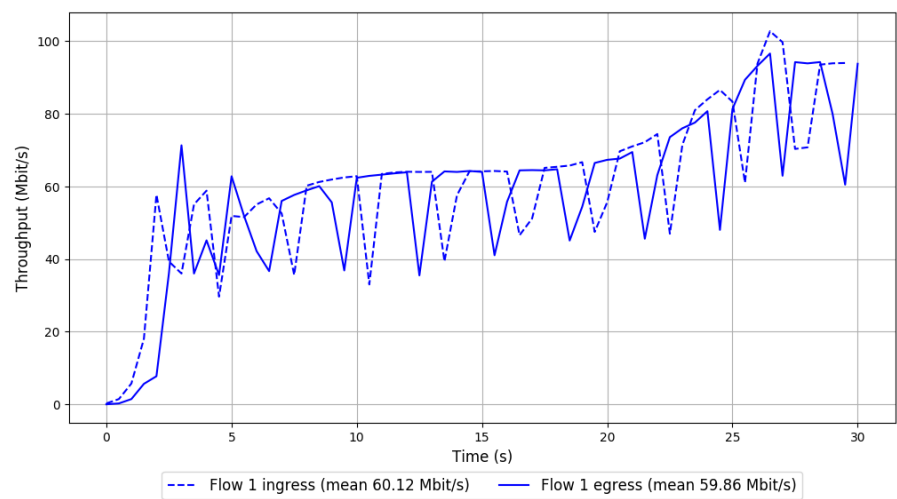
-- Flow 1:

Average throughput: 59.86 Mbit/s

95th percentile per-packet one-way delay: 149.015 ms

Loss rate: 1.31%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-07-25 22:50:54

End at: 2018-07-25 22:51:24

Local clock offset: 0.074 ms

Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-26 03:09:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 710.50 Mbit/s

95th percentile per-packet one-way delay: 311.834 ms

Loss rate: 5.98%

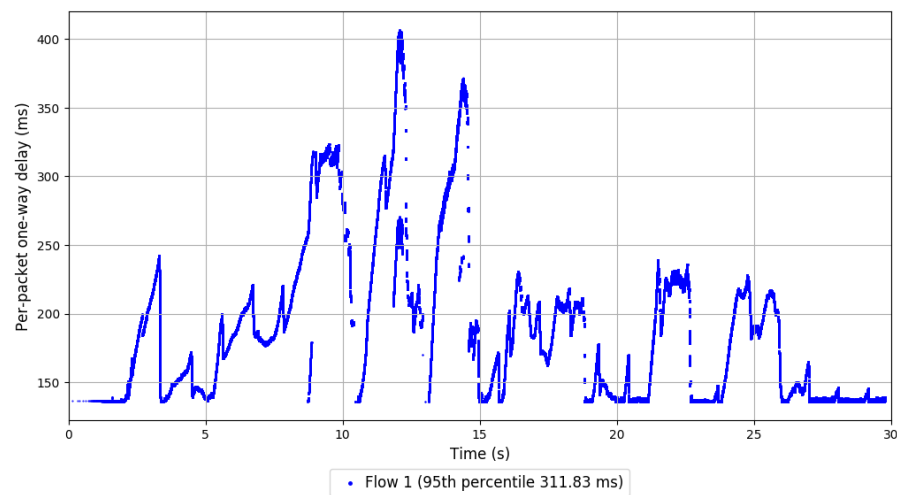
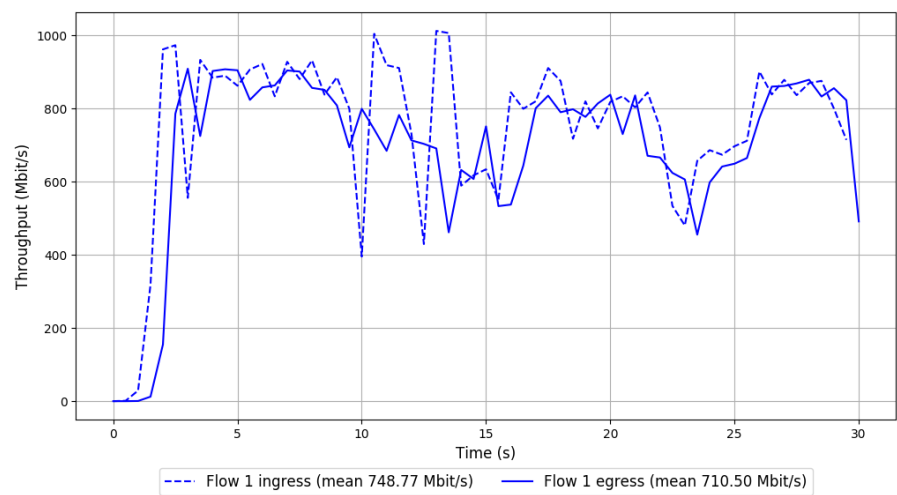
-- Flow 1:

Average throughput: 710.50 Mbit/s

95th percentile per-packet one-way delay: 311.834 ms

Loss rate: 5.98%

Run 1: Report of FillP — Data Link

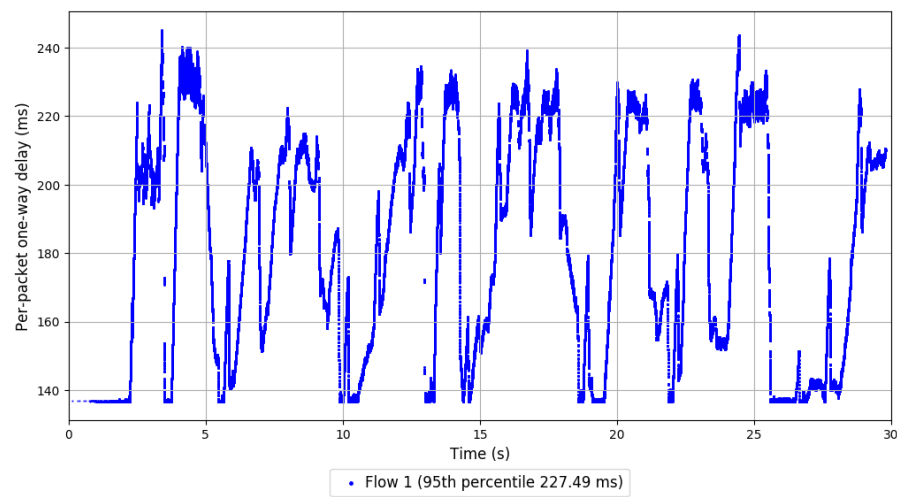
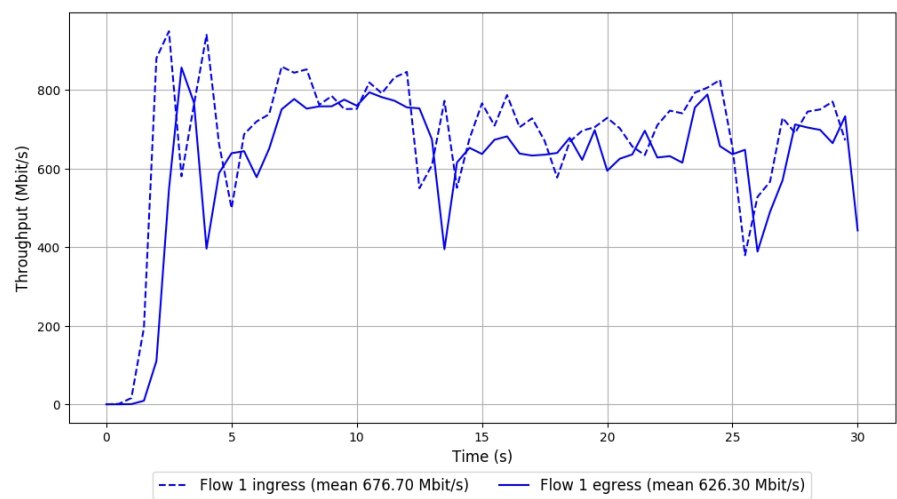


Run 2: Statistics of FillP

Start at: 2018-07-25 23:13:36
End at: 2018-07-25 23:14:06
Local clock offset: 0.445 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-07-26 03:09:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 626.30 Mbit/s
95th percentile per-packet one-way delay: 227.490 ms
Loss rate: 8.29%
-- Flow 1:
Average throughput: 626.30 Mbit/s
95th percentile per-packet one-way delay: 227.490 ms
Loss rate: 8.29%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-25 23:36:26

End at: 2018-07-25 23:36:56

Local clock offset: 0.158 ms

Remote clock offset: 0.357 ms

Below is generated by plot.py at 2018-07-26 03:09:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 662.30 Mbit/s

95th percentile per-packet one-way delay: 245.932 ms

Loss rate: 7.95%

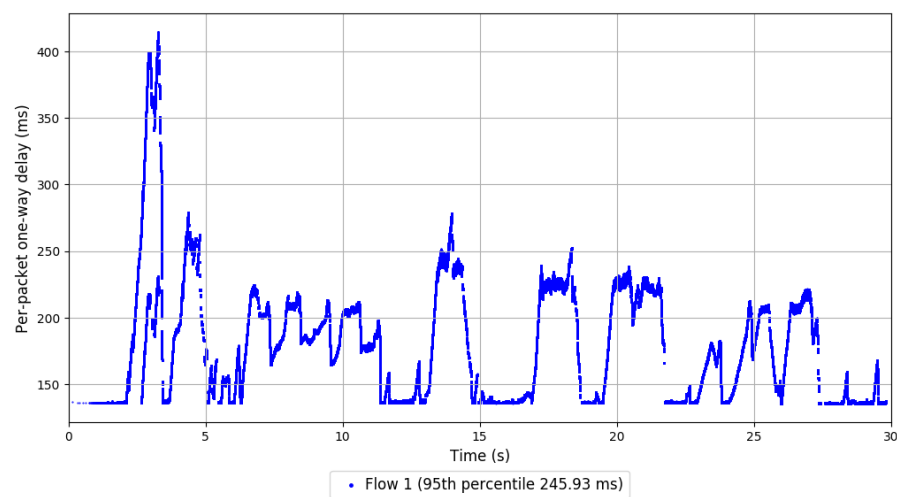
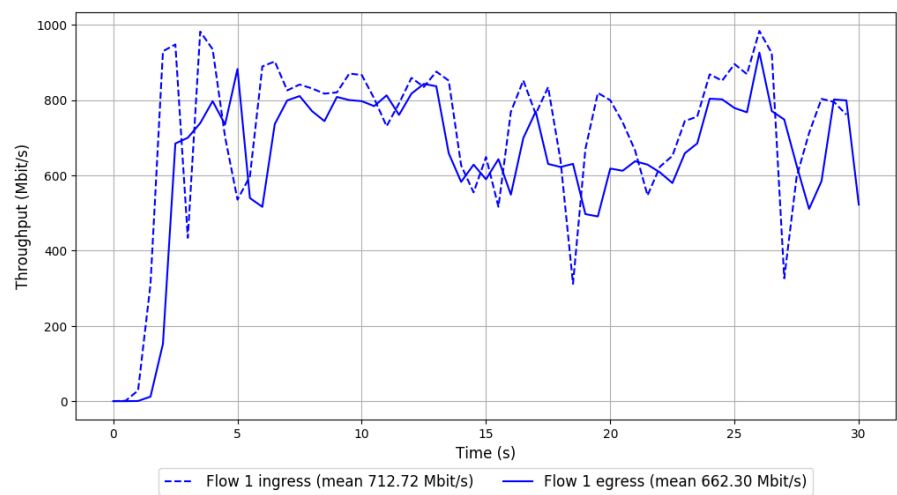
-- Flow 1:

Average throughput: 662.30 Mbit/s

95th percentile per-packet one-way delay: 245.932 ms

Loss rate: 7.95%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-25 23:59:31

End at: 2018-07-26 00:00:01

Local clock offset: -0.04 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-07-26 03:11:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 759.90 Mbit/s

95th percentile per-packet one-way delay: 242.247 ms

Loss rate: 4.81%

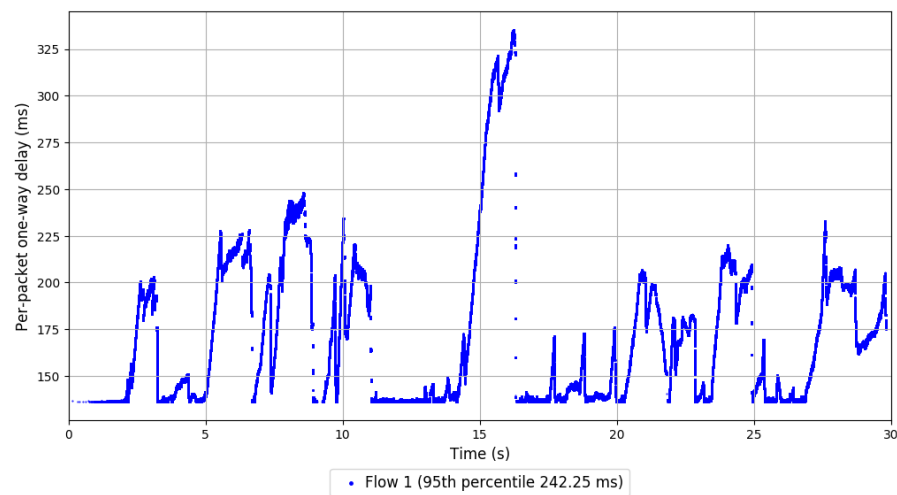
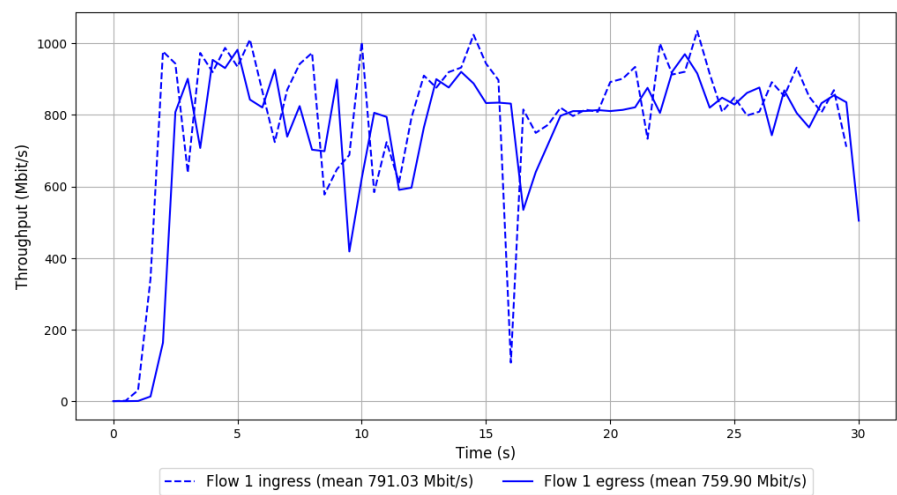
-- Flow 1:

Average throughput: 759.90 Mbit/s

95th percentile per-packet one-way delay: 242.247 ms

Loss rate: 4.81%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-26 00:22:30

End at: 2018-07-26 00:23:00

Local clock offset: 1.729 ms

Remote clock offset: 0.065 ms

Below is generated by plot.py at 2018-07-26 03:11:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 660.72 Mbit/s

95th percentile per-packet one-way delay: 254.777 ms

Loss rate: 7.94%

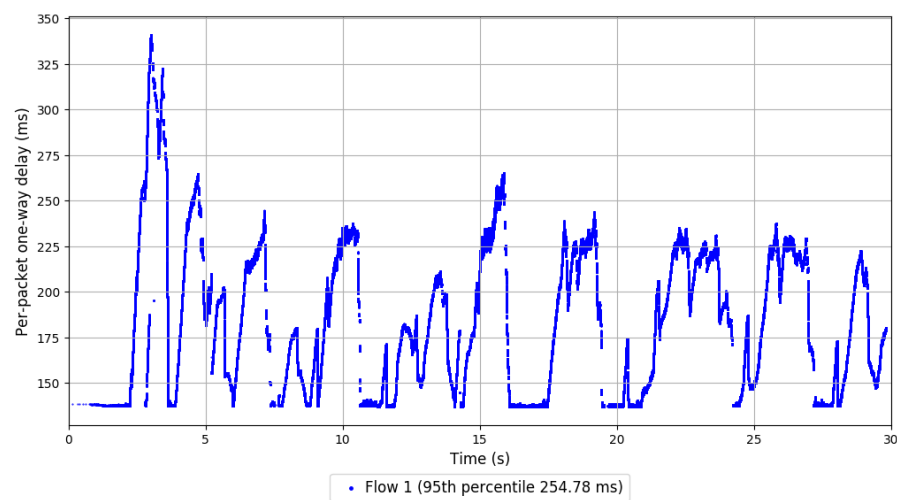
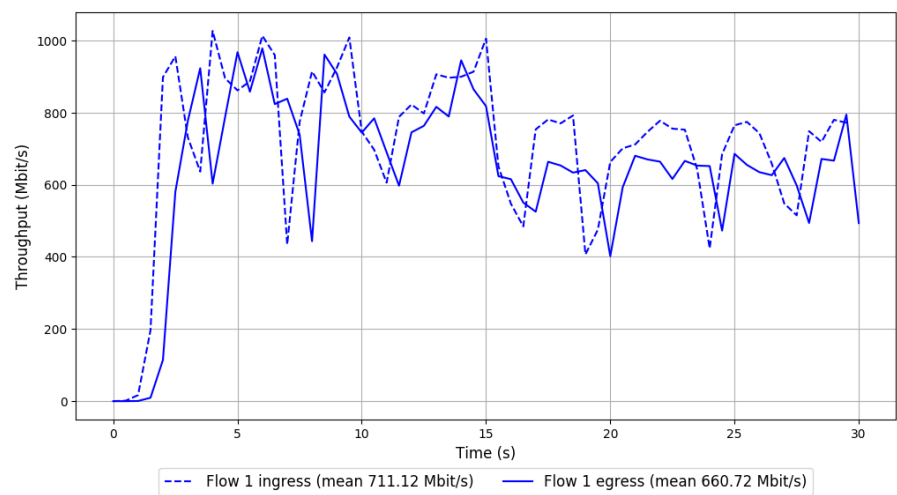
-- Flow 1:

Average throughput: 660.72 Mbit/s

95th percentile per-packet one-way delay: 254.777 ms

Loss rate: 7.94%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-26 00:45:23

End at: 2018-07-26 00:45:53

Local clock offset: -0.239 ms

Remote clock offset: 0.392 ms

Below is generated by plot.py at 2018-07-26 03:11:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 727.19 Mbit/s

95th percentile per-packet one-way delay: 341.005 ms

Loss rate: 6.28%

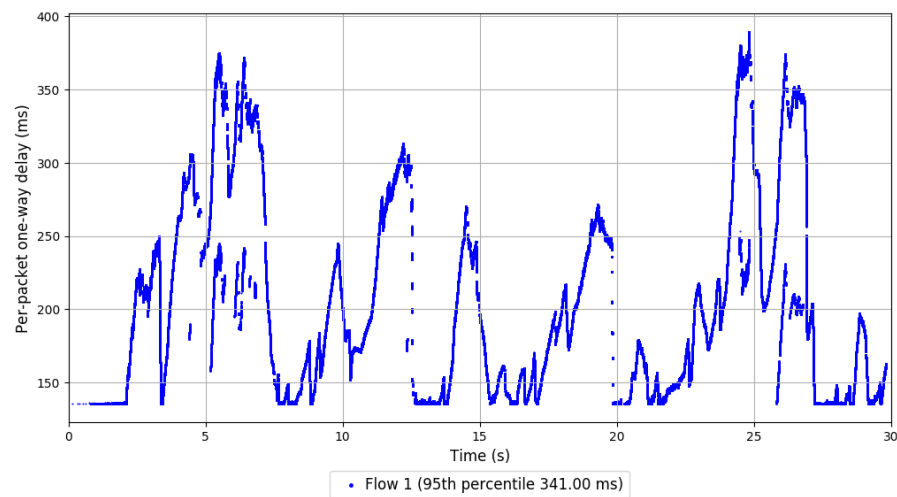
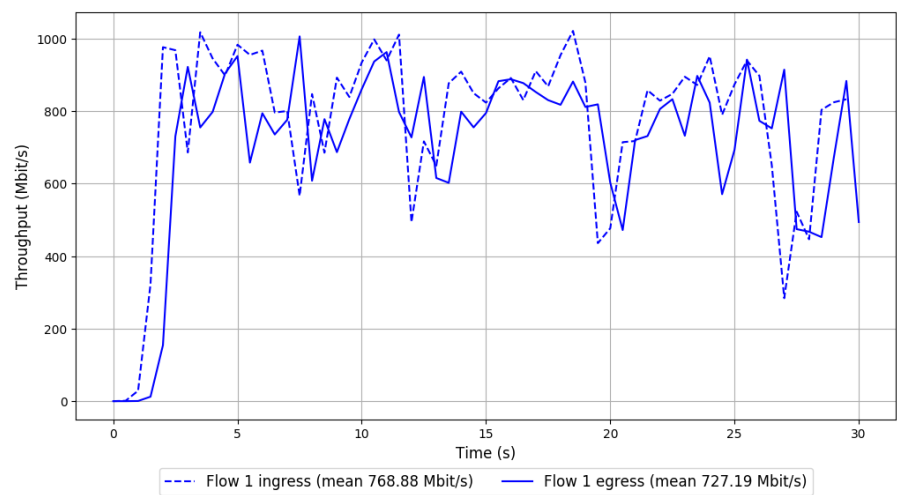
-- Flow 1:

Average throughput: 727.19 Mbit/s

95th percentile per-packet one-way delay: 341.005 ms

Loss rate: 6.28%

Run 6: Report of FillP — Data Link

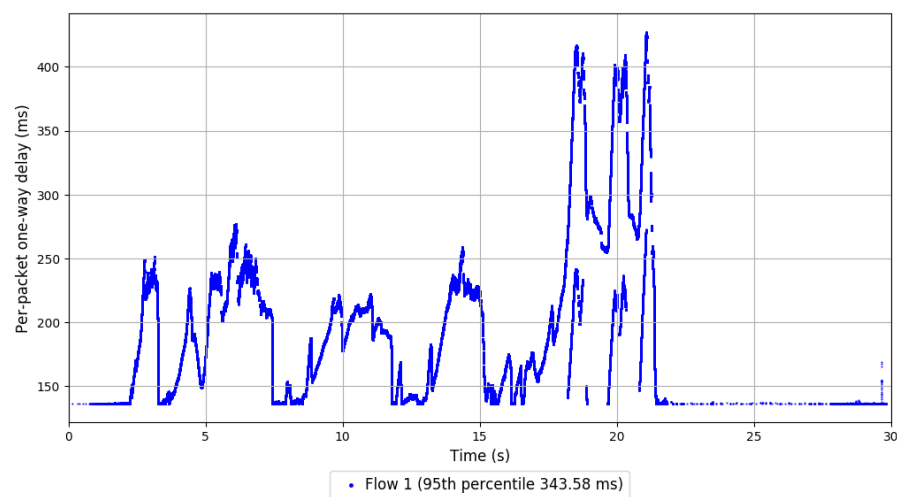
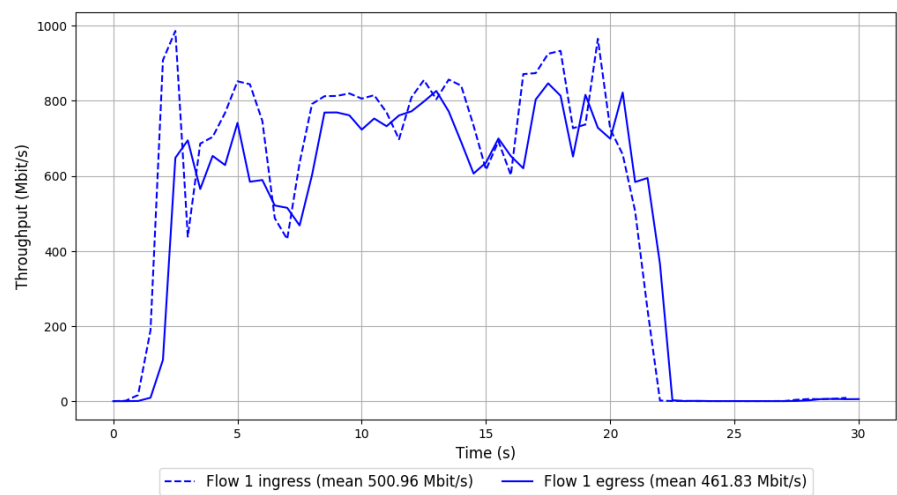


Run 7: Statistics of FillP

Start at: 2018-07-26 01:08:18
End at: 2018-07-26 01:08:48
Local clock offset: -0.115 ms
Remote clock offset: -0.378 ms

Below is generated by plot.py at 2018-07-26 03:11:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 461.83 Mbit/s
95th percentile per-packet one-way delay: 343.581 ms
Loss rate: 8.65%
-- Flow 1:
Average throughput: 461.83 Mbit/s
95th percentile per-packet one-way delay: 343.581 ms
Loss rate: 8.65%

Run 7: Report of FillP — Data Link

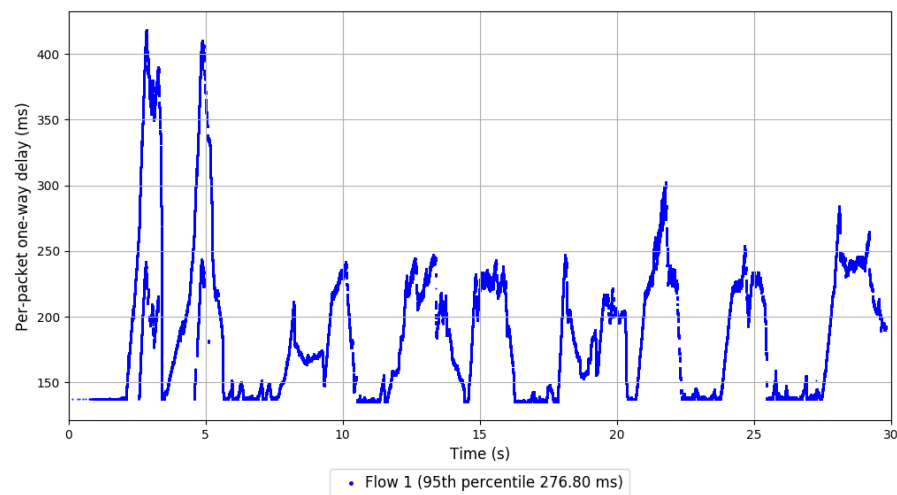
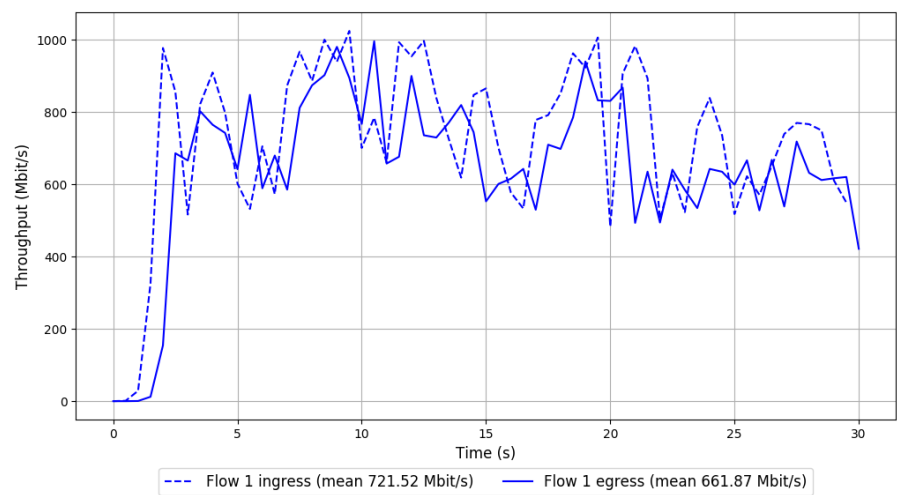


Run 8: Statistics of FillP

Start at: 2018-07-26 01:31:23
End at: 2018-07-26 01:31:53
Local clock offset: 0.105 ms
Remote clock offset: -0.368 ms

Below is generated by plot.py at 2018-07-26 03:11:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 661.87 Mbit/s
95th percentile per-packet one-way delay: 276.796 ms
Loss rate: 9.11%
-- Flow 1:
Average throughput: 661.87 Mbit/s
95th percentile per-packet one-way delay: 276.796 ms
Loss rate: 9.11%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-26 01:53:55

End at: 2018-07-26 01:54:25

Local clock offset: -0.134 ms

Remote clock offset: 0.396 ms

Below is generated by plot.py at 2018-07-26 03:26:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 757.38 Mbit/s

95th percentile per-packet one-way delay: 282.618 ms

Loss rate: 6.36%

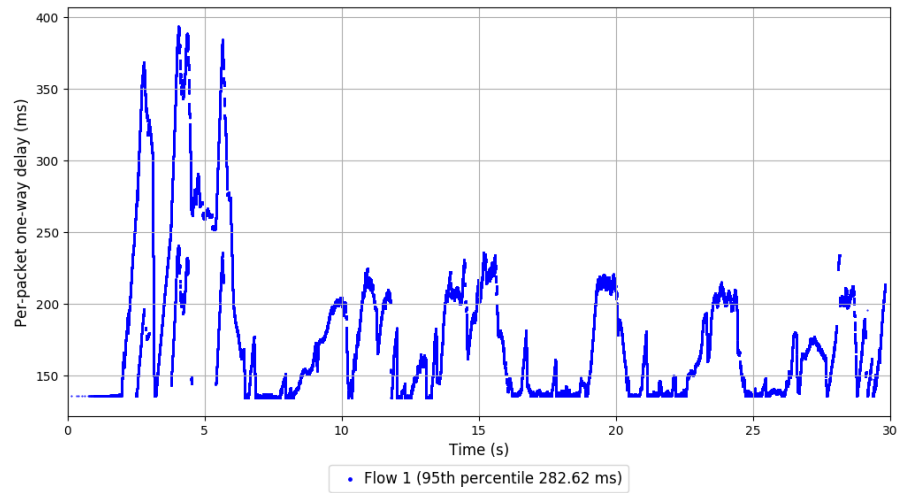
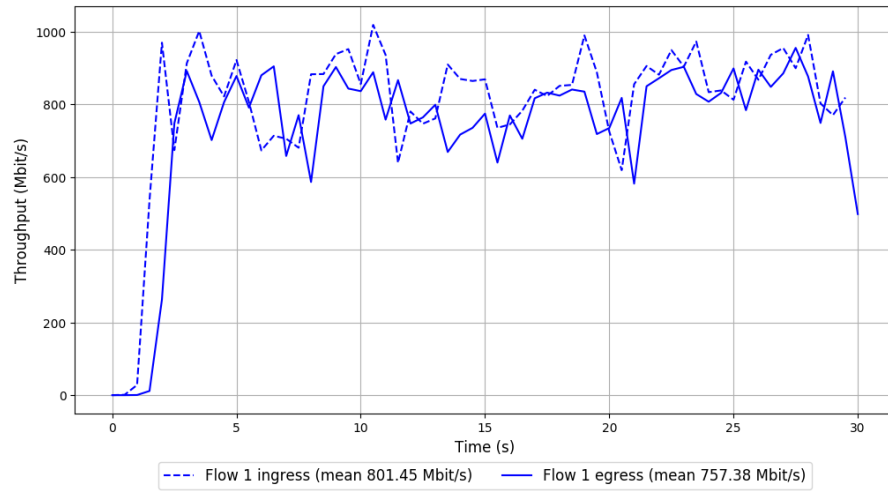
-- Flow 1:

Average throughput: 757.38 Mbit/s

95th percentile per-packet one-way delay: 282.618 ms

Loss rate: 6.36%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-26 02:16:36

End at: 2018-07-26 02:17:06

Local clock offset: 0.164 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-26 03:27:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 728.68 Mbit/s

95th percentile per-packet one-way delay: 307.100 ms

Loss rate: 5.93%

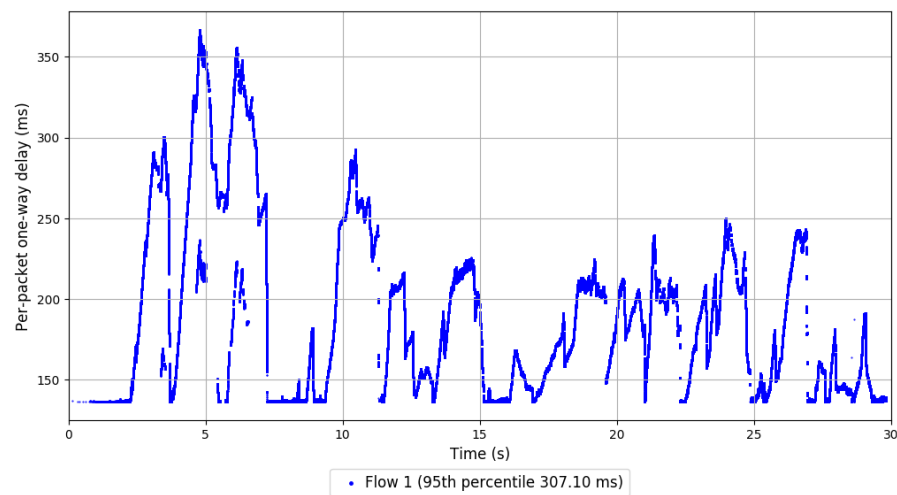
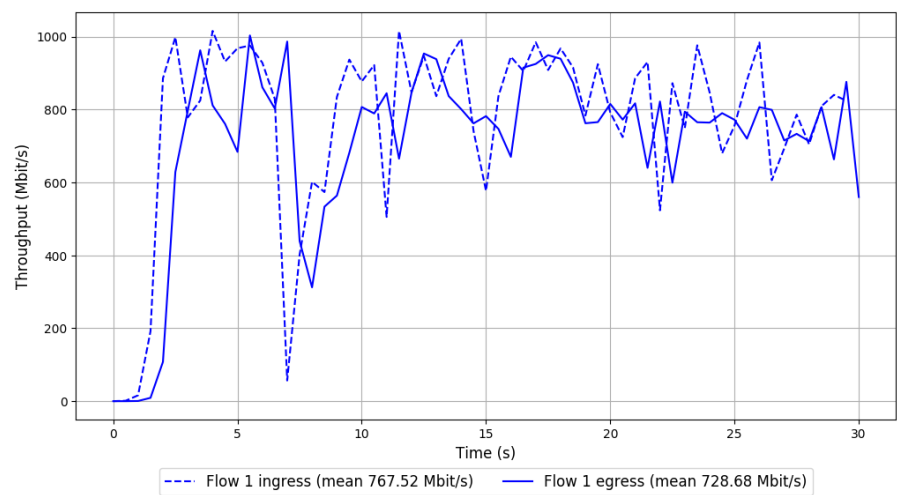
-- Flow 1:

Average throughput: 728.68 Mbit/s

95th percentile per-packet one-way delay: 307.100 ms

Loss rate: 5.93%

Run 10: Report of FillP — Data Link

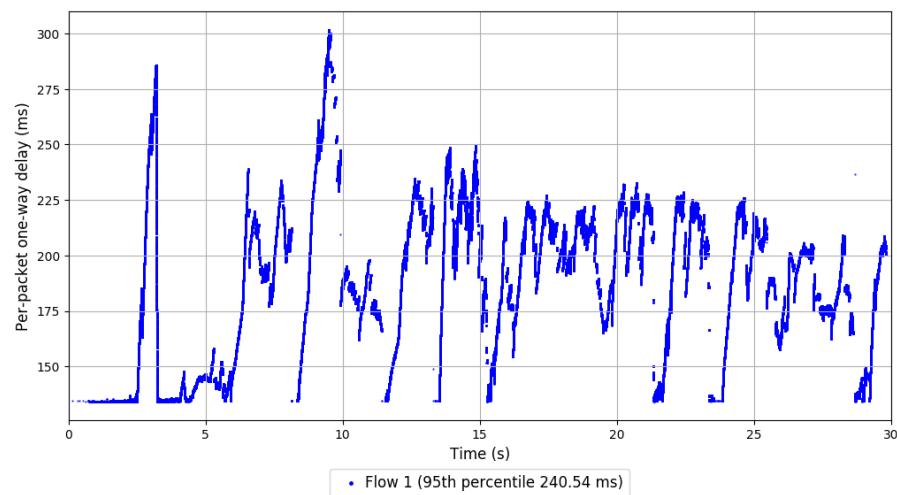
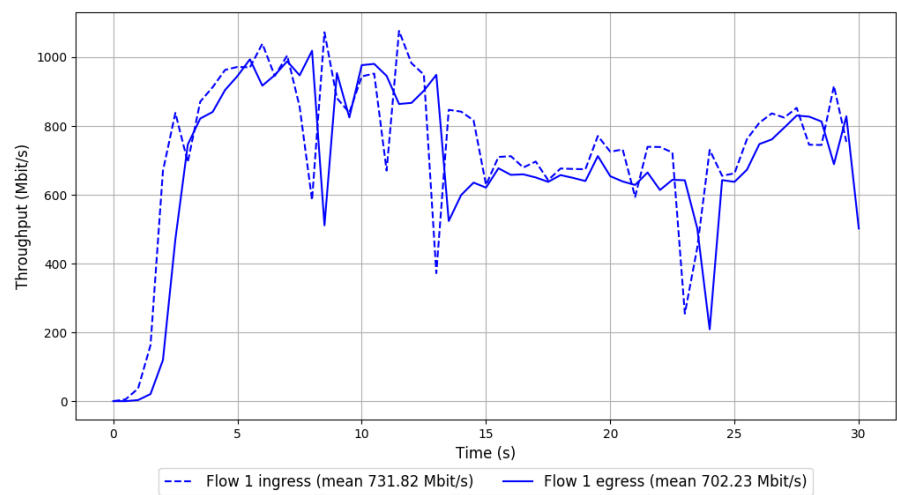


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-25 22:45:18
End at: 2018-07-25 22:45:48
Local clock offset: -1.737 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-07-26 03:27:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 702.23 Mbit/s
95th percentile per-packet one-way delay: 240.543 ms
Loss rate: 4.91%
-- Flow 1:
Average throughput: 702.23 Mbit/s
95th percentile per-packet one-way delay: 240.543 ms
Loss rate: 4.91%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-25 23:07:53

End at: 2018-07-25 23:08:24

Local clock offset: 0.085 ms

Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-07-26 03:27:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 661.39 Mbit/s

95th percentile per-packet one-way delay: 225.982 ms

Loss rate: 8.66%

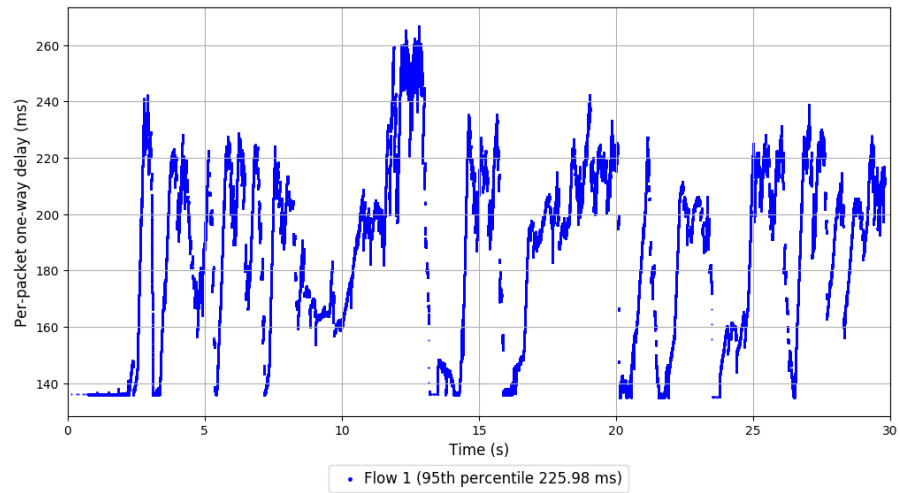
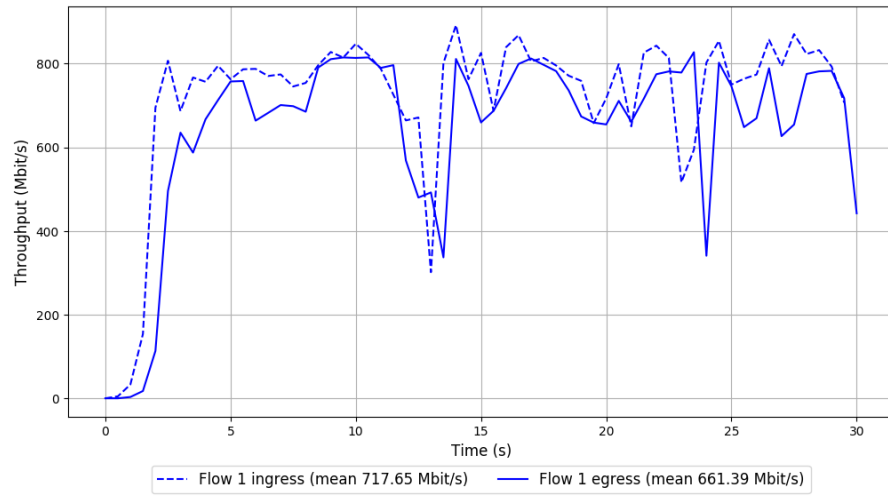
-- Flow 1:

Average throughput: 661.39 Mbit/s

95th percentile per-packet one-way delay: 225.982 ms

Loss rate: 8.66%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-25 23:30:31

End at: 2018-07-25 23:31:01

Local clock offset: 1.858 ms

Remote clock offset: 0.388 ms

Below is generated by plot.py at 2018-07-26 03:28:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 705.80 Mbit/s

95th percentile per-packet one-way delay: 219.600 ms

Loss rate: 6.67%

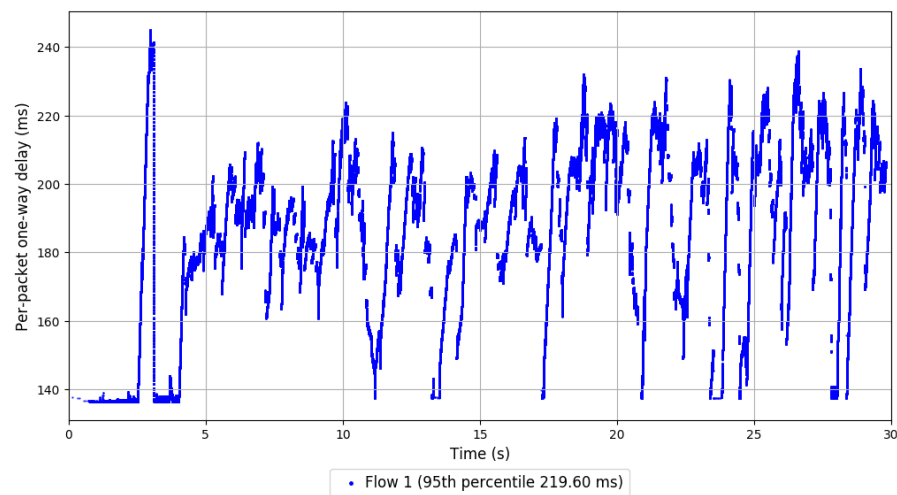
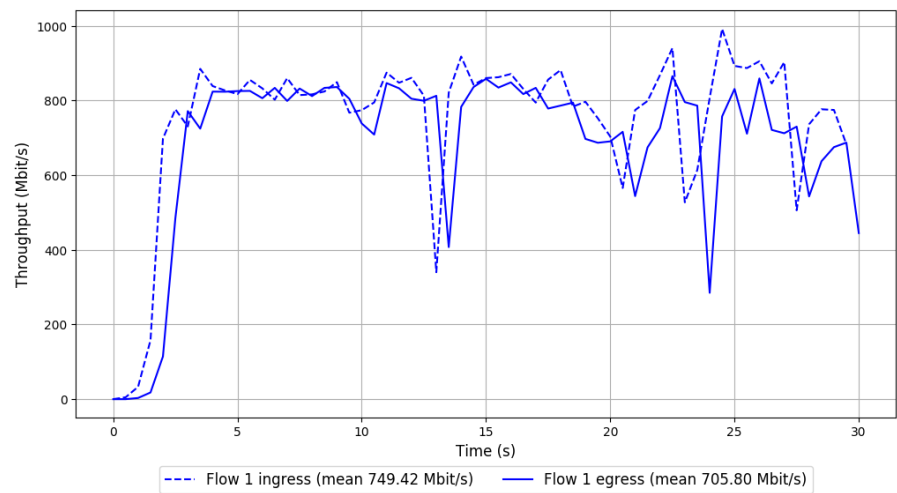
-- Flow 1:

Average throughput: 705.80 Mbit/s

95th percentile per-packet one-way delay: 219.600 ms

Loss rate: 6.67%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-25 23:53:36

End at: 2018-07-25 23:54:06

Local clock offset: 1.977 ms

Remote clock offset: 0.072 ms

Below is generated by plot.py at 2018-07-26 03:30:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 801.03 Mbit/s

95th percentile per-packet one-way delay: 331.098 ms

Loss rate: 3.80%

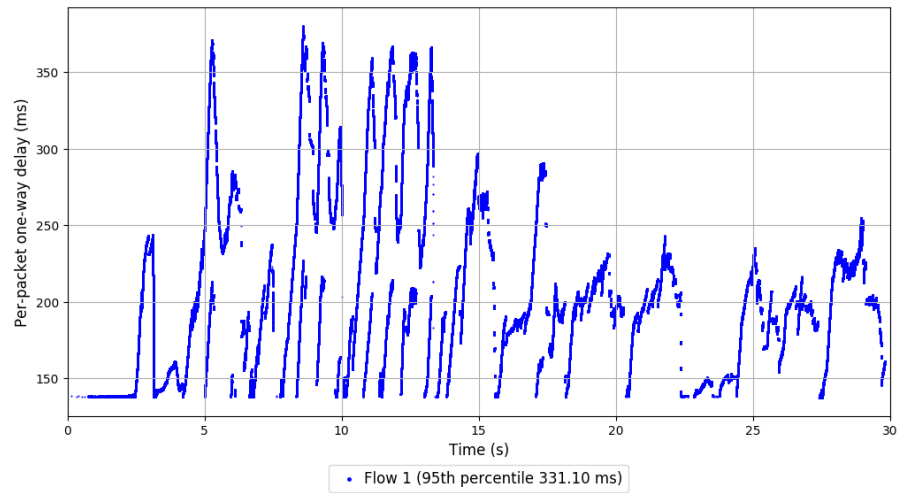
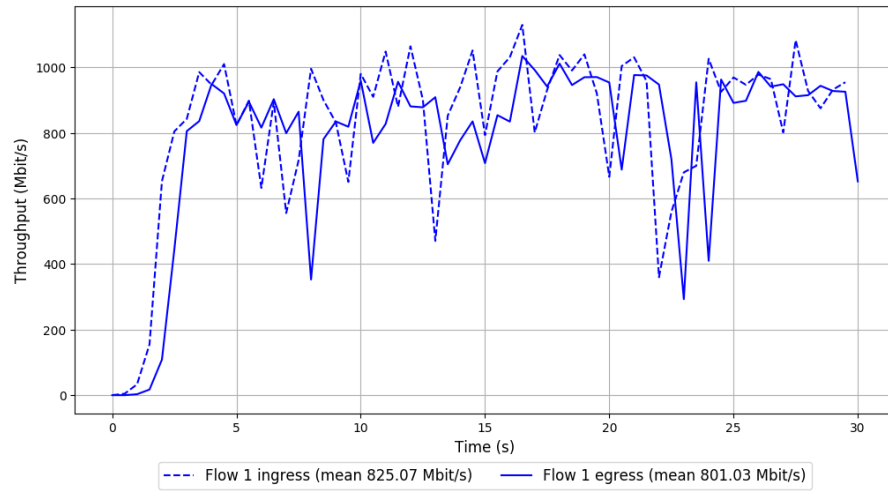
-- Flow 1:

Average throughput: 801.03 Mbit/s

95th percentile per-packet one-way delay: 331.098 ms

Loss rate: 3.80%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-26 00:16:41

End at: 2018-07-26 00:17:11

Local clock offset: 1.653 ms

Remote clock offset: 0.112 ms

Below is generated by plot.py at 2018-07-26 03:30:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 679.51 Mbit/s

95th percentile per-packet one-way delay: 223.686 ms

Loss rate: 6.25%

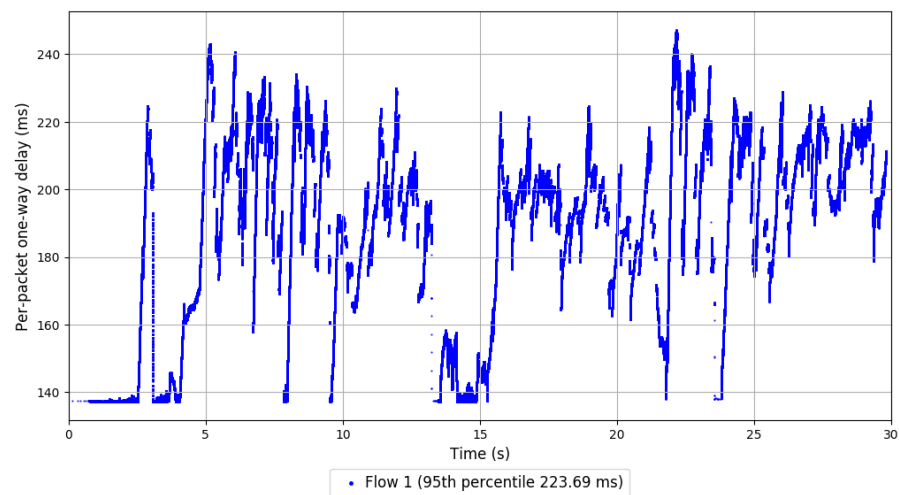
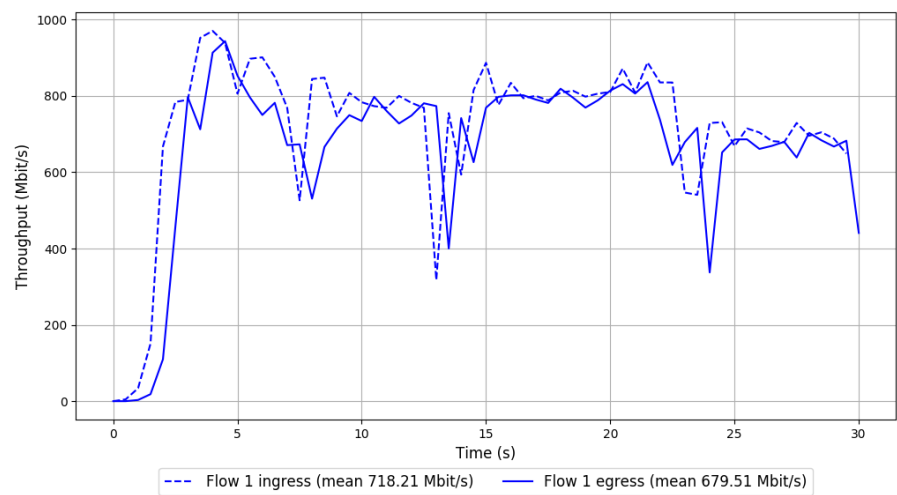
-- Flow 1:

Average throughput: 679.51 Mbit/s

95th percentile per-packet one-way delay: 223.686 ms

Loss rate: 6.25%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-26 00:39:41

End at: 2018-07-26 00:40:11

Local clock offset: -0.112 ms

Remote clock offset: 0.414 ms

Below is generated by plot.py at 2018-07-26 03:30:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 688.97 Mbit/s

95th percentile per-packet one-way delay: 228.906 ms

Loss rate: 10.53%

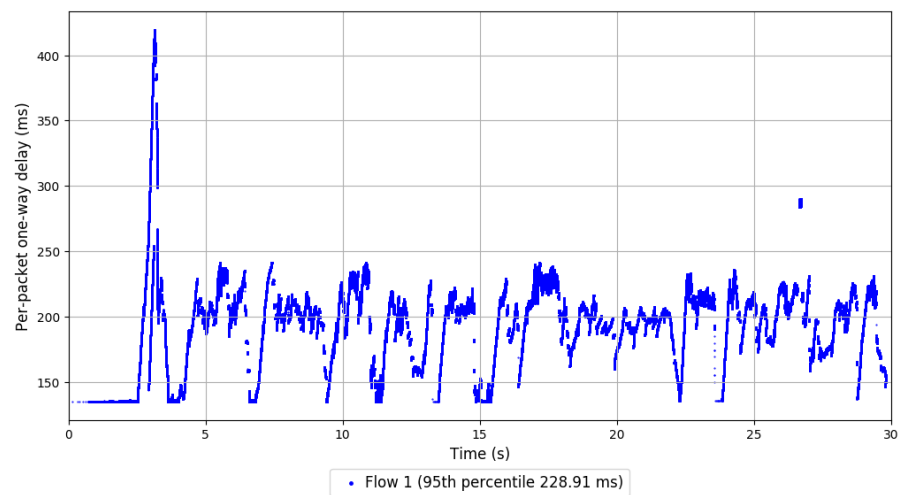
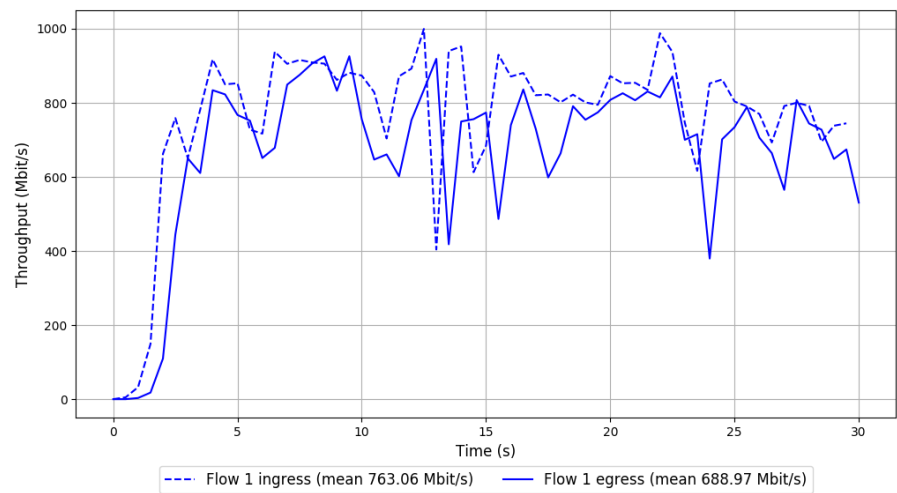
-- Flow 1:

Average throughput: 688.97 Mbit/s

95th percentile per-packet one-way delay: 228.906 ms

Loss rate: 10.53%

Run 6: Report of FillP-Sheep — Data Link

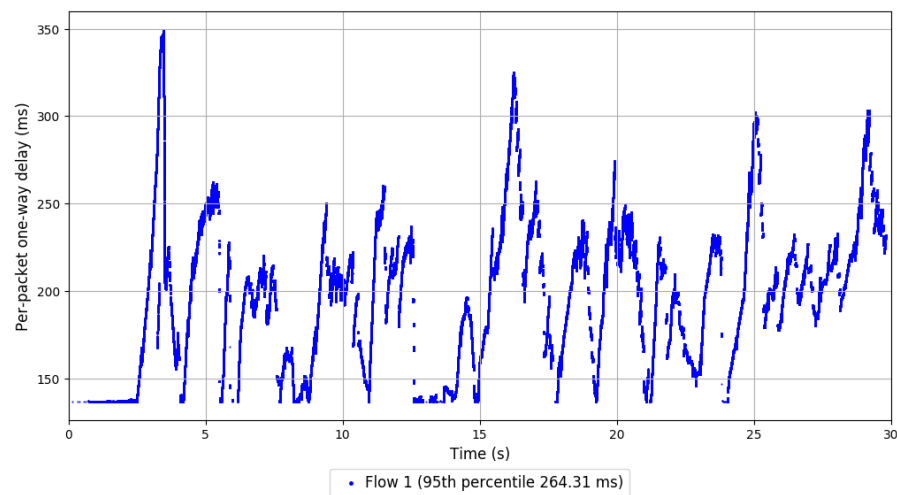
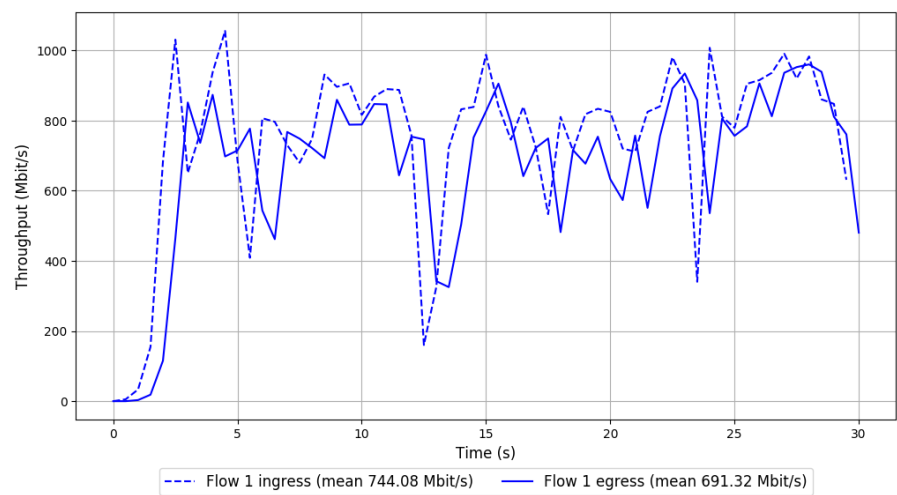


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-26 01:02:23
End at: 2018-07-26 01:02:53
Local clock offset: 1.969 ms
Remote clock offset: -0.353 ms

Below is generated by plot.py at 2018-07-26 03:43:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 691.32 Mbit/s
95th percentile per-packet one-way delay: 264.308 ms
Loss rate: 7.93%
-- Flow 1:
Average throughput: 691.32 Mbit/s
95th percentile per-packet one-way delay: 264.308 ms
Loss rate: 7.93%

Run 7: Report of FillP-Sheep — Data Link

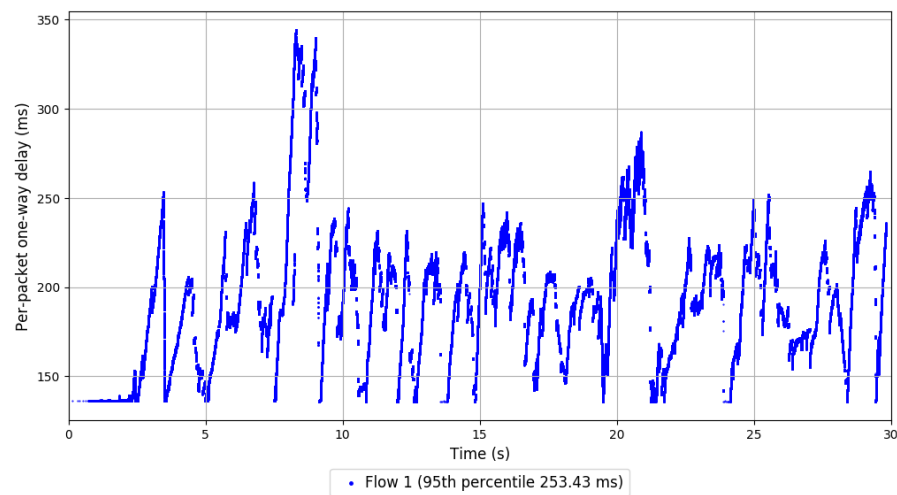
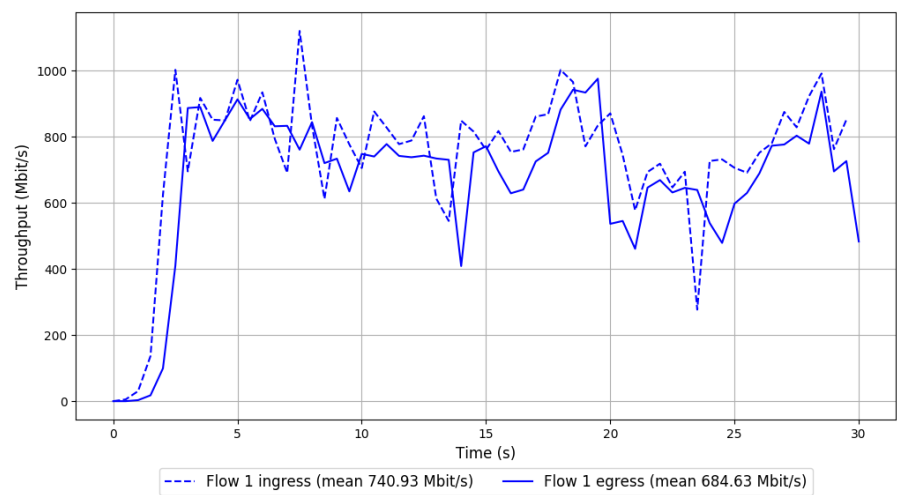


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-26 01:25:23
End at: 2018-07-26 01:25:53
Local clock offset: -0.109 ms
Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-26 03:44:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 684.63 Mbit/s
95th percentile per-packet one-way delay: 253.426 ms
Loss rate: 8.44%
-- Flow 1:
Average throughput: 684.63 Mbit/s
95th percentile per-packet one-way delay: 253.426 ms
Loss rate: 8.44%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-26 01:48:26

End at: 2018-07-26 01:48:56

Local clock offset: -0.129 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-07-26 03:45:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 724.72 Mbit/s

95th percentile per-packet one-way delay: 260.349 ms

Loss rate: 6.83%

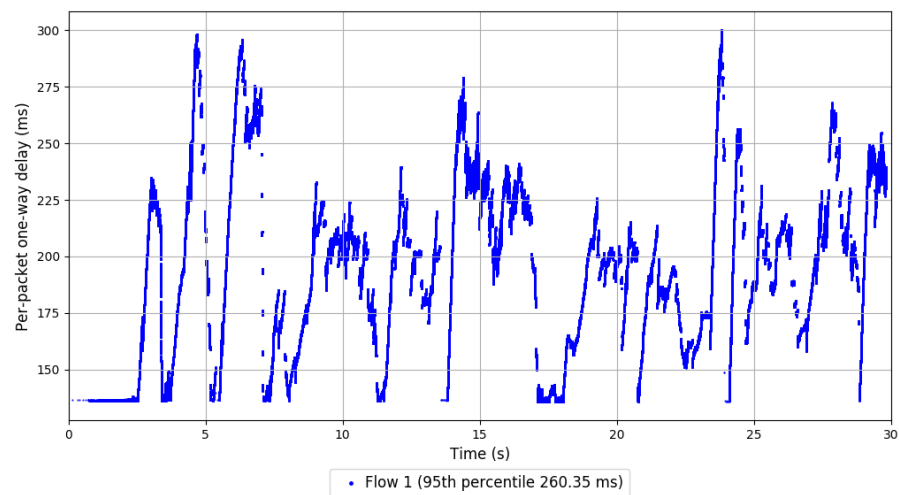
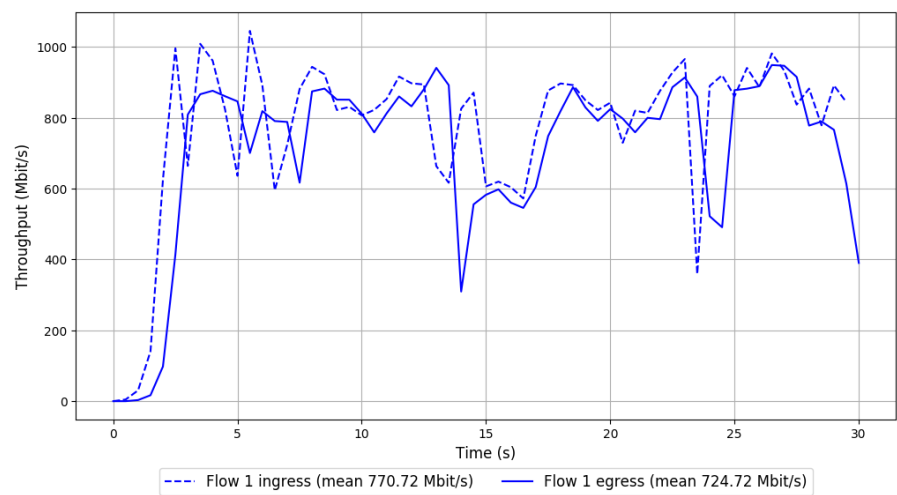
-- Flow 1:

Average throughput: 724.72 Mbit/s

95th percentile per-packet one-way delay: 260.349 ms

Loss rate: 6.83%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-26 02:10:56

End at: 2018-07-26 02:11:26

Local clock offset: 0.09 ms

Remote clock offset: 0.415 ms

Below is generated by plot.py at 2018-07-26 03:45:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 693.80 Mbit/s

95th percentile per-packet one-way delay: 263.015 ms

Loss rate: 4.63%

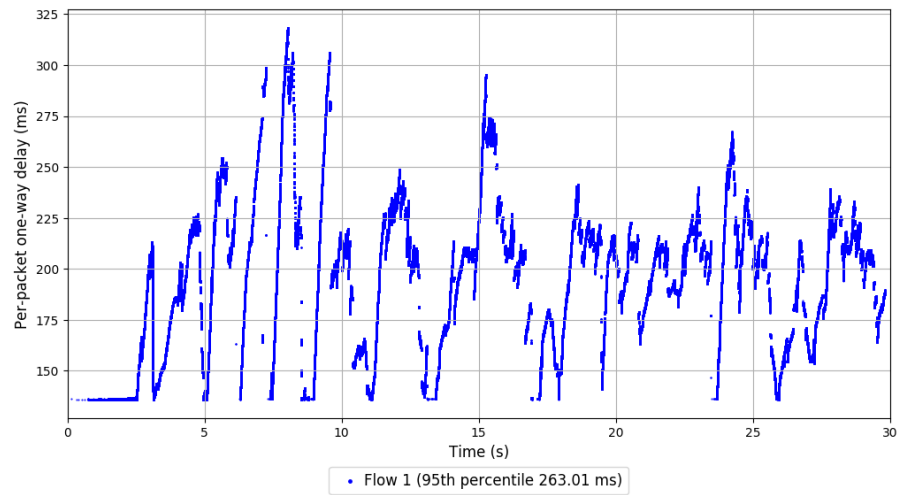
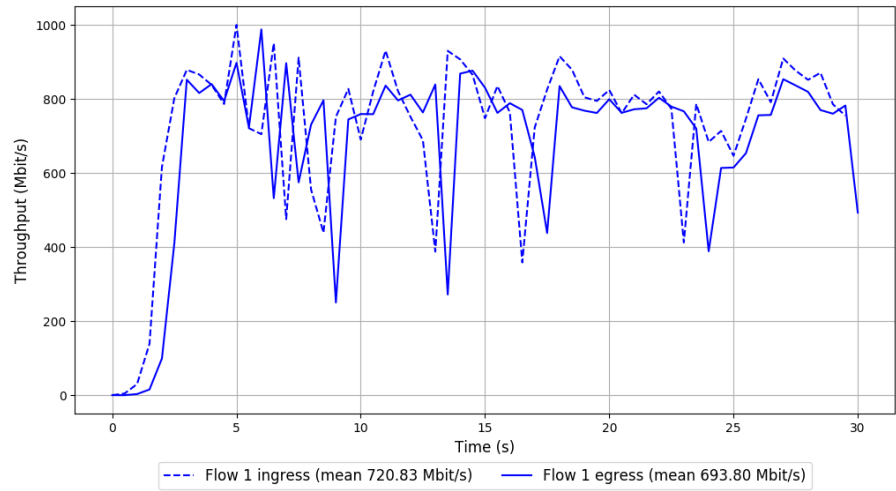
-- Flow 1:

Average throughput: 693.80 Mbit/s

95th percentile per-packet one-way delay: 263.015 ms

Loss rate: 4.63%

Run 10: Report of FillP-Sheep — Data Link

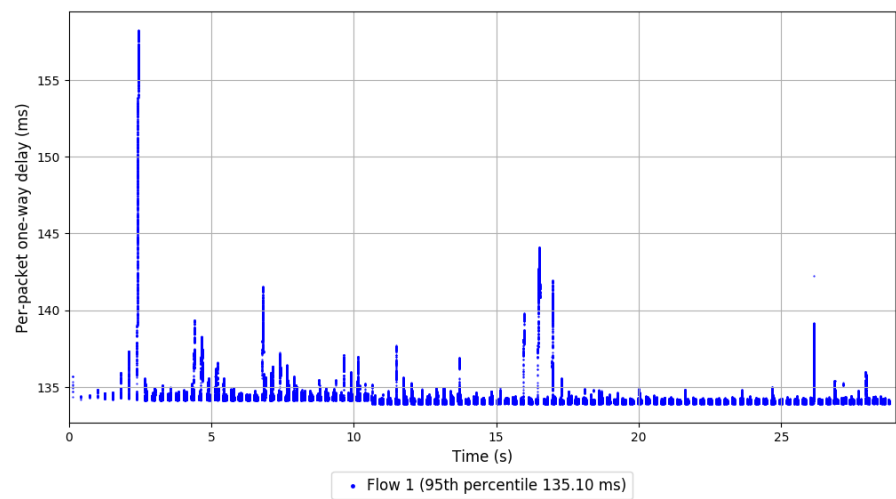
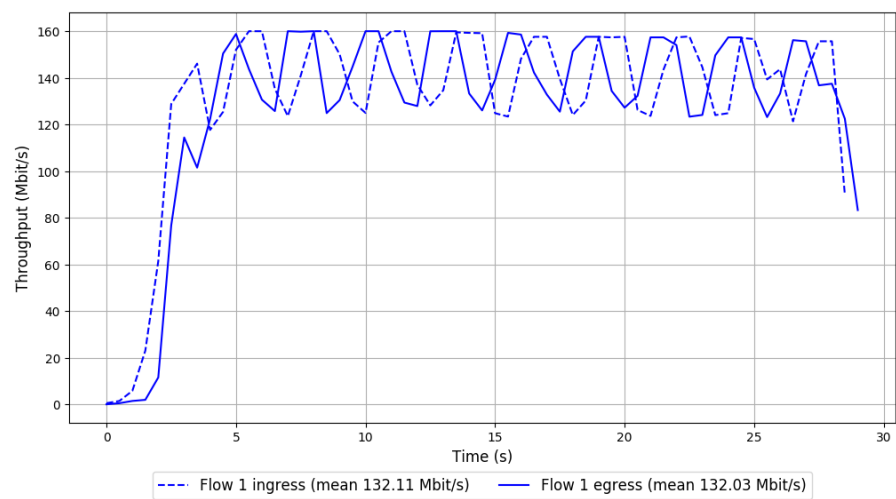


Run 1: Statistics of Indigo

Start at: 2018-07-25 22:57:49
End at: 2018-07-25 22:58:19
Local clock offset: -1.874 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-26 03:45:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 132.03 Mbit/s
95th percentile per-packet one-way delay: 135.101 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 132.03 Mbit/s
95th percentile per-packet one-way delay: 135.101 ms
Loss rate: 1.01%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-25 23:20:28

End at: 2018-07-25 23:20:58

Local clock offset: 1.97 ms

Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-07-26 03:45:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.34 Mbit/s

95th percentile per-packet one-way delay: 138.101 ms

Loss rate: 0.98%

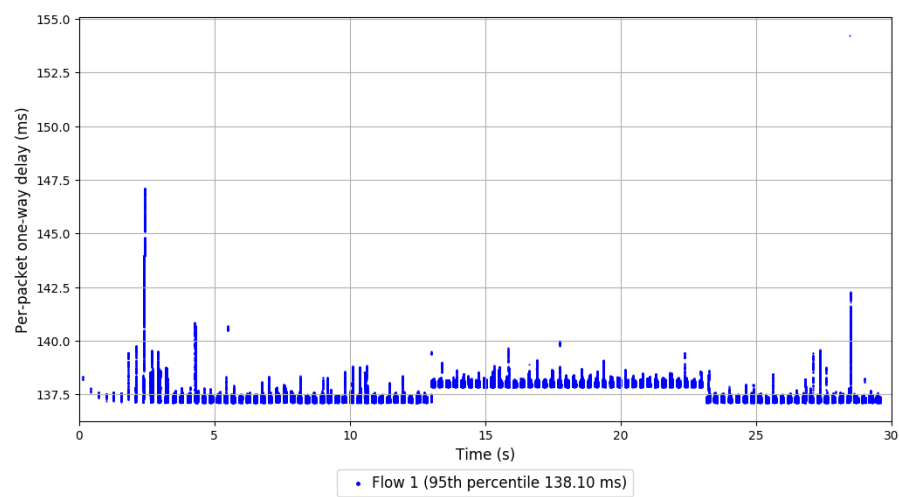
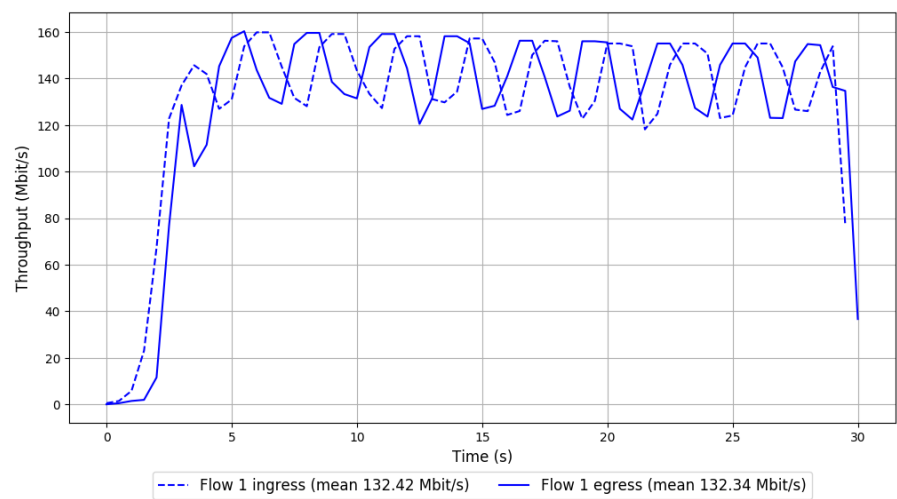
-- Flow 1:

Average throughput: 132.34 Mbit/s

95th percentile per-packet one-way delay: 138.101 ms

Loss rate: 0.98%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-25 23:43:24

End at: 2018-07-25 23:43:54

Local clock offset: 1.894 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-07-26 03:45:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 138.96 Mbit/s

95th percentile per-packet one-way delay: 138.426 ms

Loss rate: 0.94%

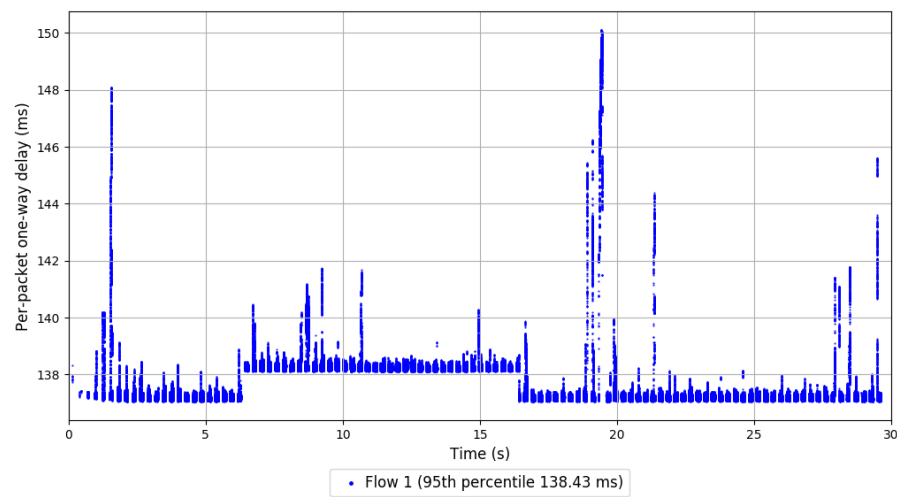
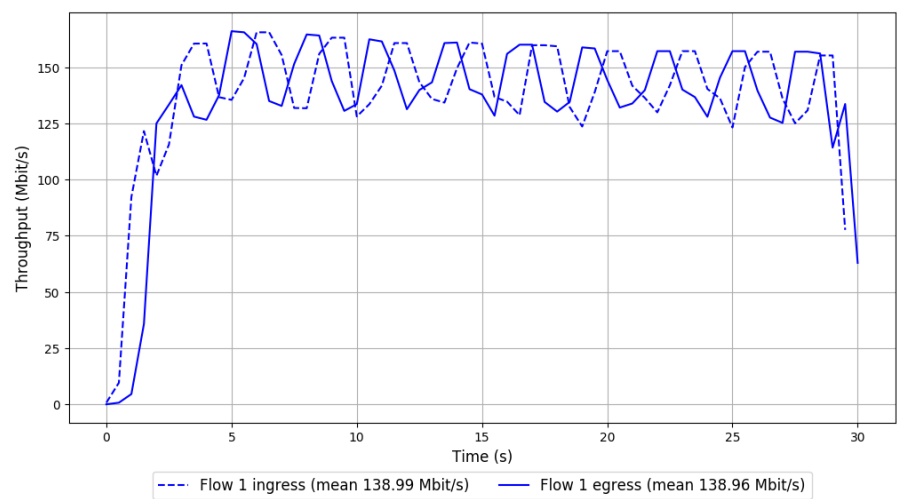
-- Flow 1:

Average throughput: 138.96 Mbit/s

95th percentile per-packet one-way delay: 138.426 ms

Loss rate: 0.94%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-26 00:06:26

End at: 2018-07-26 00:06:56

Local clock offset: 0.138 ms

Remote clock offset: -0.337 ms

Below is generated by plot.py at 2018-07-26 03:45:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.39 Mbit/s

95th percentile per-packet one-way delay: 137.018 ms

Loss rate: 0.92%

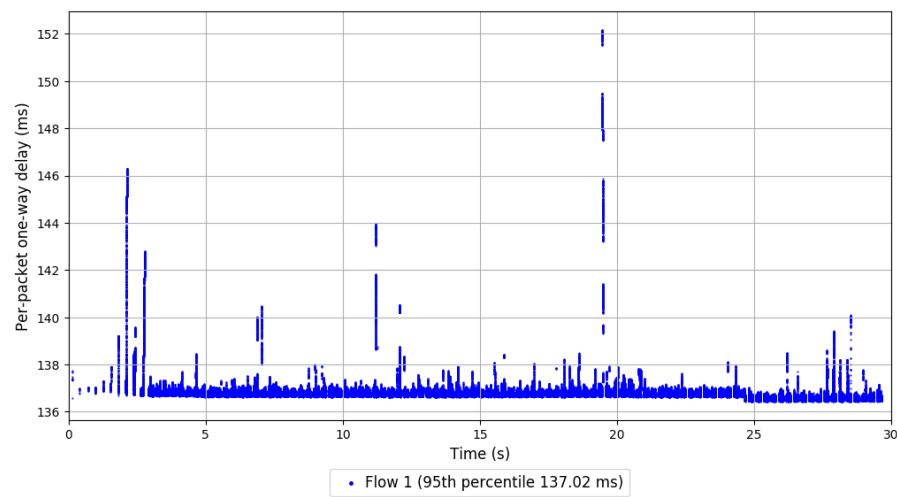
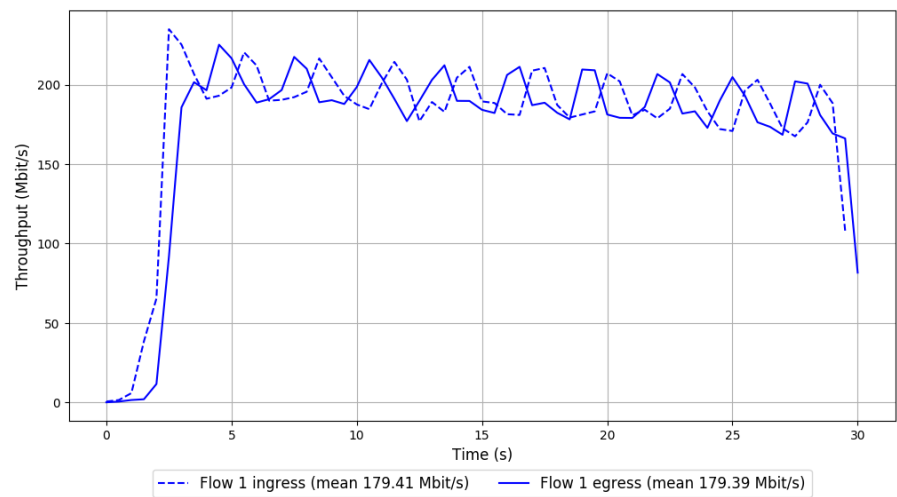
-- Flow 1:

Average throughput: 179.39 Mbit/s

95th percentile per-packet one-way delay: 137.018 ms

Loss rate: 0.92%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-26 00:29:27

End at: 2018-07-26 00:29:57

Local clock offset: -0.067 ms

Remote clock offset: 0.405 ms

Below is generated by plot.py at 2018-07-26 03:45:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 136.22 Mbit/s

95th percentile per-packet one-way delay: 135.763 ms

Loss rate: 0.97%

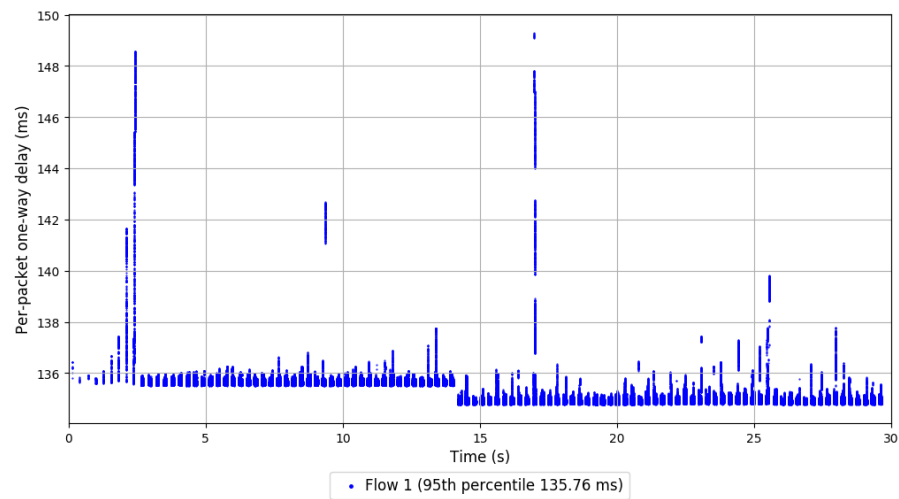
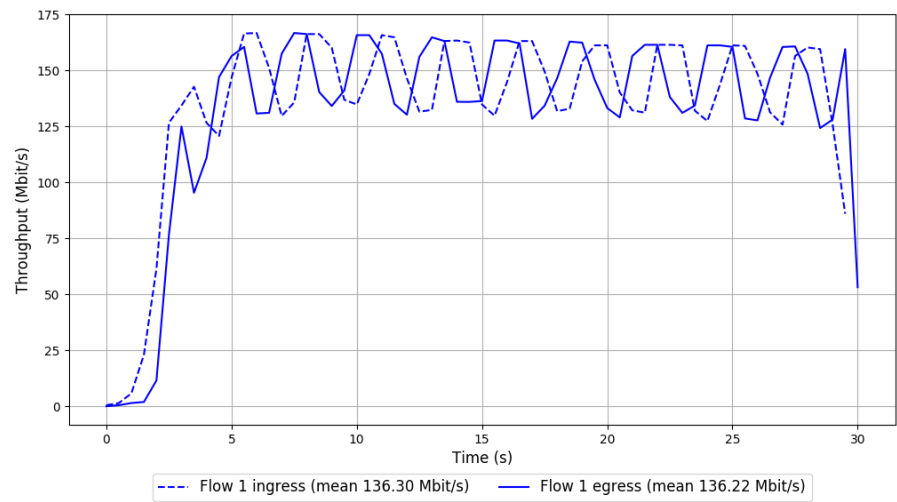
-- Flow 1:

Average throughput: 136.22 Mbit/s

95th percentile per-packet one-way delay: 135.763 ms

Loss rate: 0.97%

Run 5: Report of Indigo — Data Link

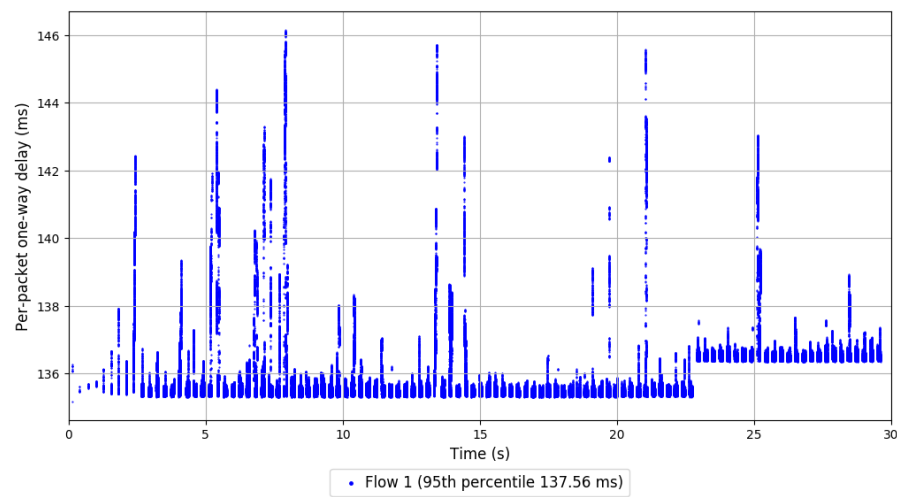
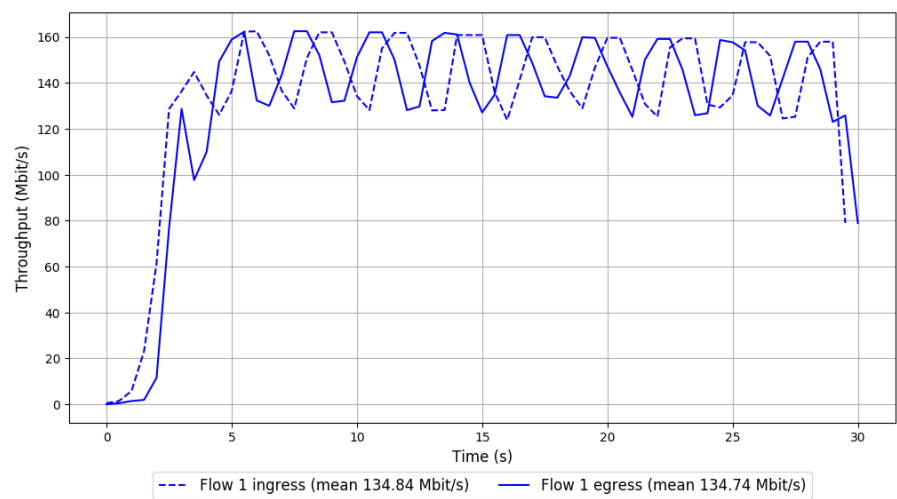


Run 6: Statistics of Indigo

Start at: 2018-07-26 00:52:18
End at: 2018-07-26 00:52:48
Local clock offset: 0.05 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-07-26 03:45:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 134.74 Mbit/s
95th percentile per-packet one-way delay: 137.559 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 134.74 Mbit/s
95th percentile per-packet one-way delay: 137.559 ms
Loss rate: 0.98%

Run 6: Report of Indigo — Data Link

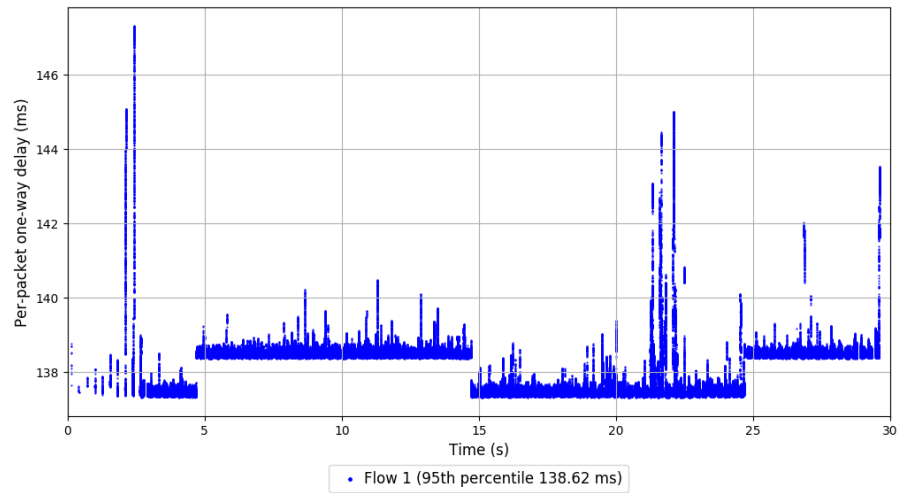
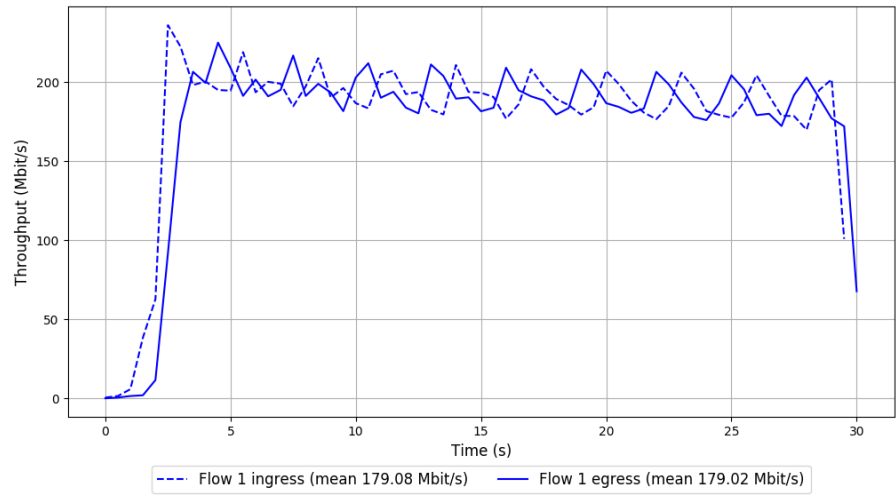


Run 7: Statistics of Indigo

Start at: 2018-07-26 01:15:06
End at: 2018-07-26 01:15:36
Local clock offset: 1.746 ms
Remote clock offset: -0.408 ms

Below is generated by plot.py at 2018-07-26 03:45:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 179.02 Mbit/s
95th percentile per-packet one-way delay: 138.625 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 179.02 Mbit/s
95th percentile per-packet one-way delay: 138.625 ms
Loss rate: 0.95%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-26 01:38:15

End at: 2018-07-26 01:38:45

Local clock offset: -0.038 ms

Remote clock offset: -0.37 ms

Below is generated by plot.py at 2018-07-26 03:45:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 133.50 Mbit/s

95th percentile per-packet one-way delay: 136.966 ms

Loss rate: 0.97%

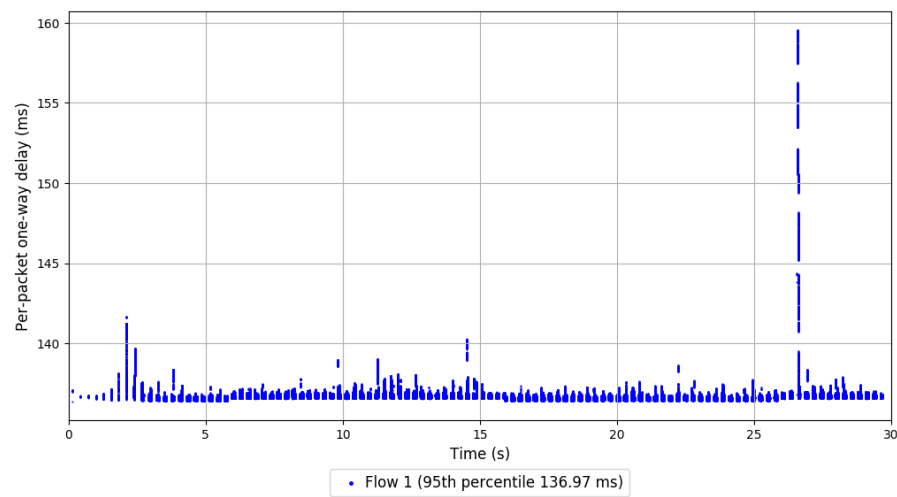
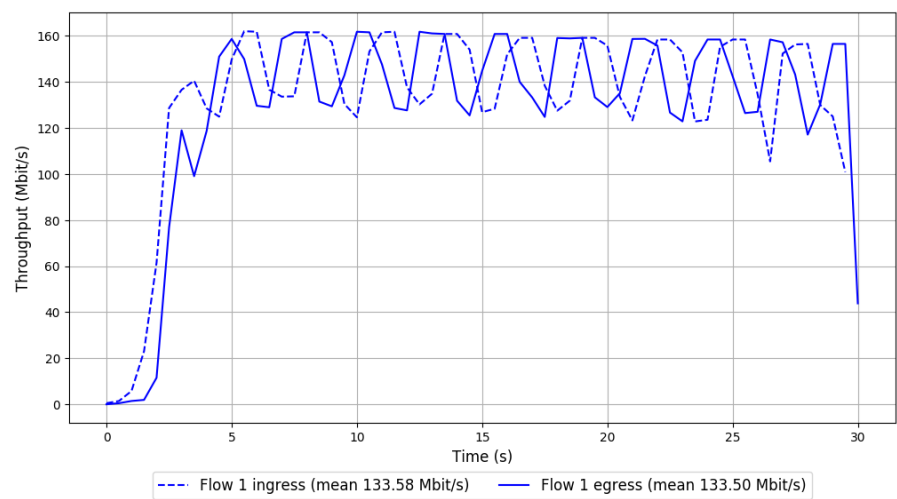
-- Flow 1:

Average throughput: 133.50 Mbit/s

95th percentile per-packet one-way delay: 136.966 ms

Loss rate: 0.97%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-26 02:00:54

End at: 2018-07-26 02:01:24

Local clock offset: 0.026 ms

Remote clock offset: 0.388 ms

Below is generated by plot.py at 2018-07-26 03:45:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 133.84 Mbit/s

95th percentile per-packet one-way delay: 136.121 ms

Loss rate: 0.99%

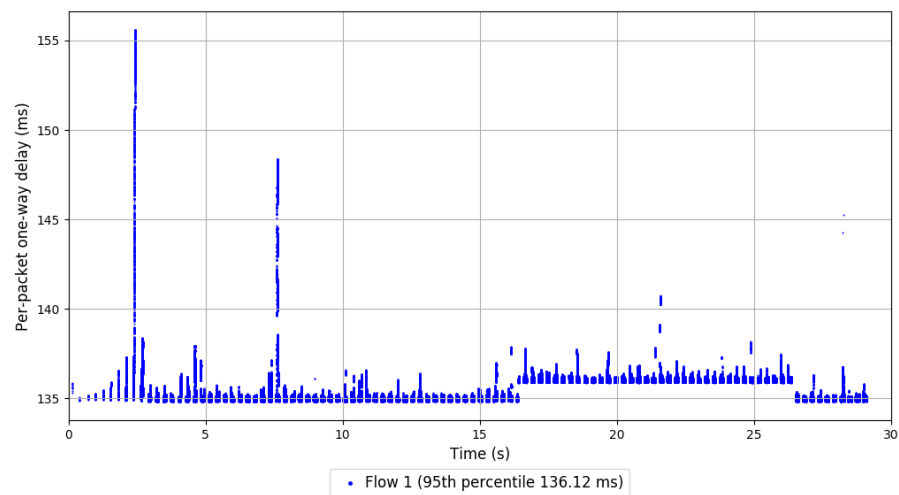
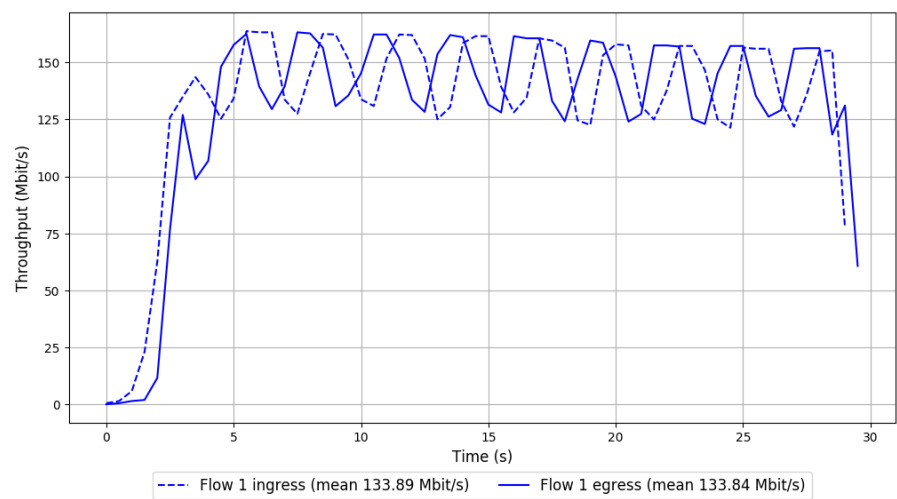
-- Flow 1:

Average throughput: 133.84 Mbit/s

95th percentile per-packet one-way delay: 136.121 ms

Loss rate: 0.99%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-26 02:23:39

End at: 2018-07-26 02:24:09

Local clock offset: -0.26 ms

Remote clock offset: 0.362 ms

Below is generated by plot.py at 2018-07-26 03:45:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 133.84 Mbit/s

95th percentile per-packet one-way delay: 136.129 ms

Loss rate: 0.92%

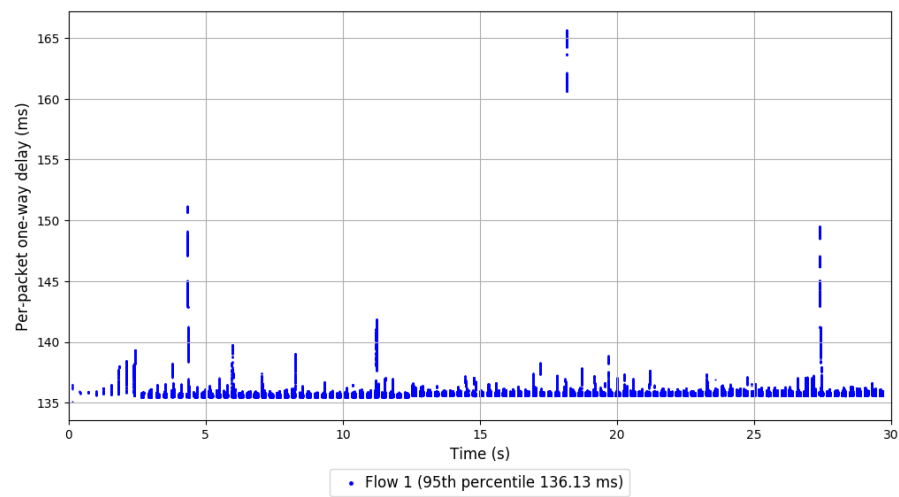
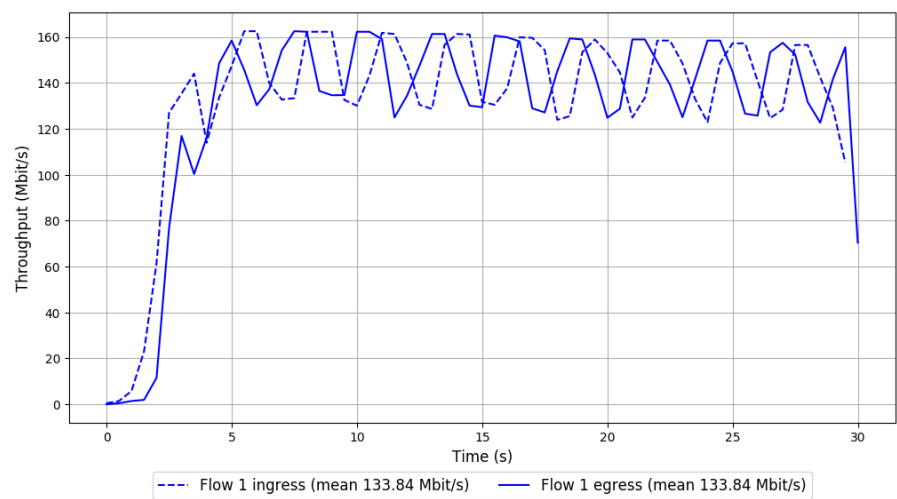
-- Flow 1:

Average throughput: 133.84 Mbit/s

95th percentile per-packet one-way delay: 136.129 ms

Loss rate: 0.92%

Run 10: Report of Indigo — Data Link

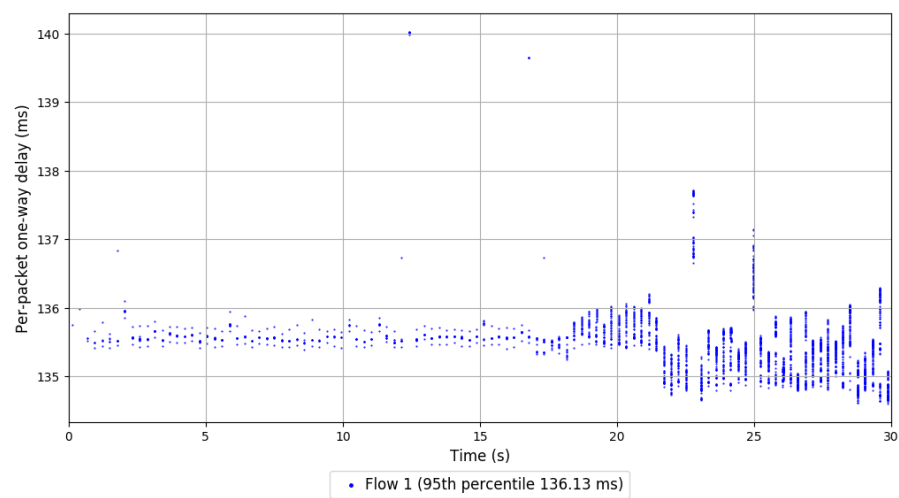
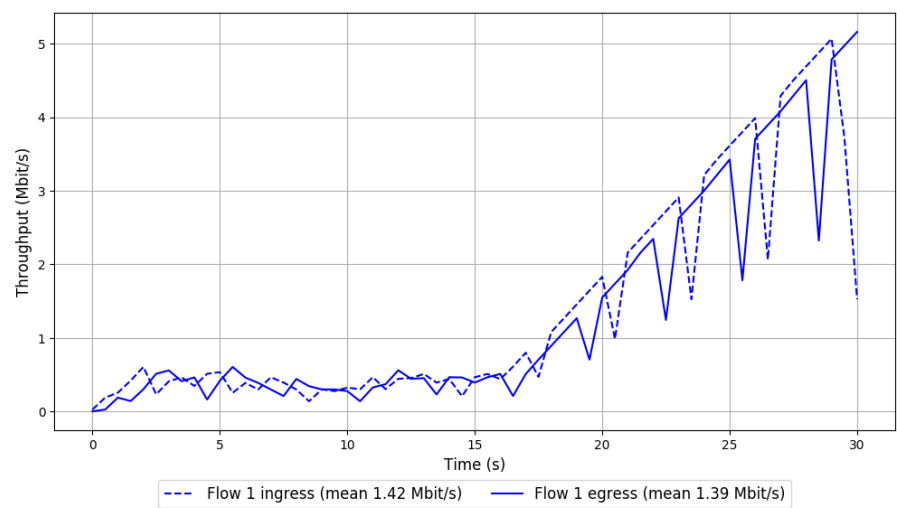


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-25 23:00:20
End at: 2018-07-25 23:00:50
Local clock offset: -1.068 ms
Remote clock offset: -0.5 ms

# Below is generated by plot.py at 2018-07-26 03:45:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.39 Mbit/s
95th percentile per-packet one-way delay: 136.133 ms
Loss rate: 3.11%
-- Flow 1:
Average throughput: 1.39 Mbit/s
95th percentile per-packet one-way delay: 136.133 ms
Loss rate: 3.11%
```


Run 1: Report of LEDBAT — Data Link

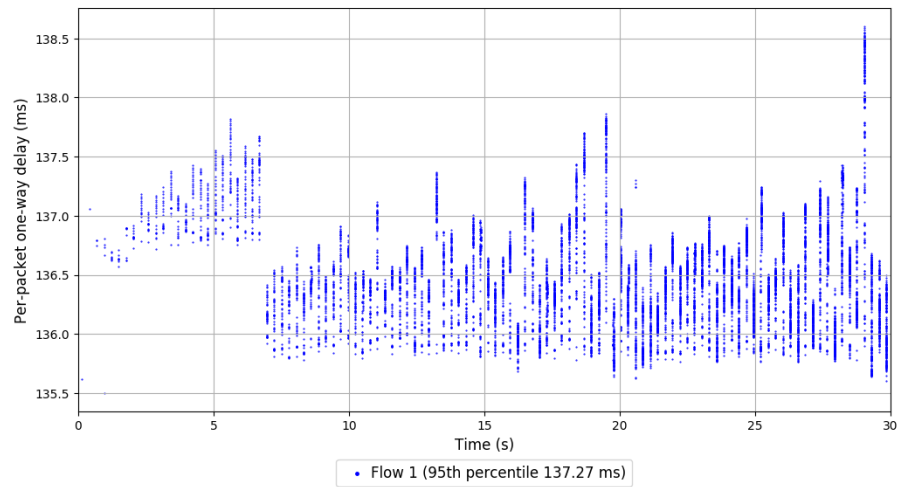
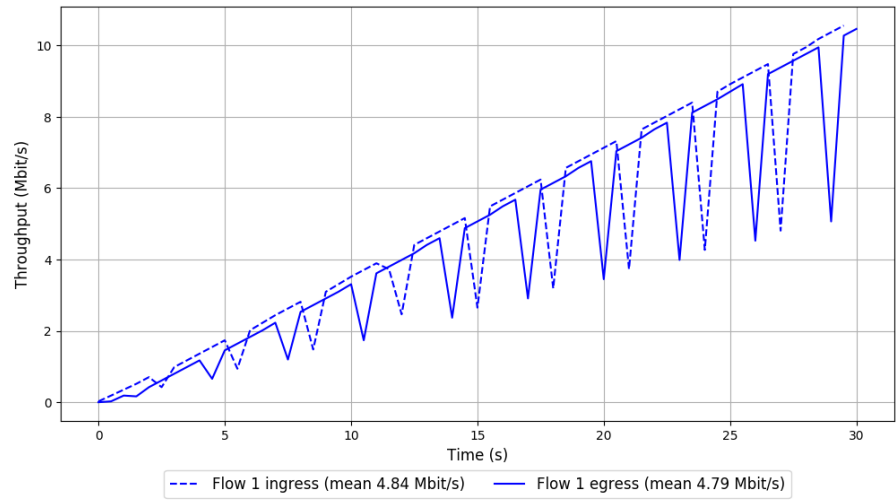


Run 2: Statistics of LEDBAT

Start at: 2018-07-25 23:22:54
End at: 2018-07-25 23:23:24
Local clock offset: 0.088 ms
Remote clock offset: -0.351 ms

Below is generated by plot.py at 2018-07-26 03:45:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.79 Mbit/s
95th percentile per-packet one-way delay: 137.273 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 4.79 Mbit/s
95th percentile per-packet one-way delay: 137.273 ms
Loss rate: 1.83%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-25 23:45:56

End at: 2018-07-25 23:46:26

Local clock offset: 0.055 ms

Remote clock offset: 0.385 ms

Below is generated by plot.py at 2018-07-26 03:45:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.84 Mbit/s

95th percentile per-packet one-way delay: 137.099 ms

Loss rate: 1.82%

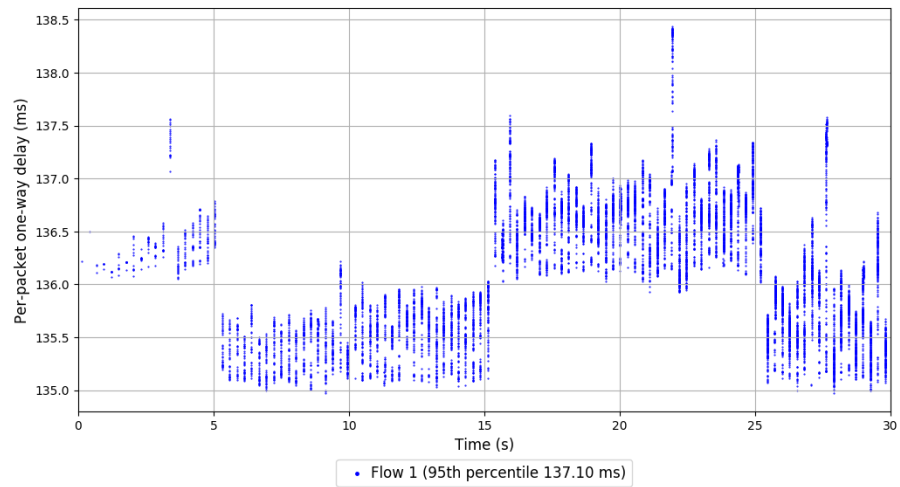
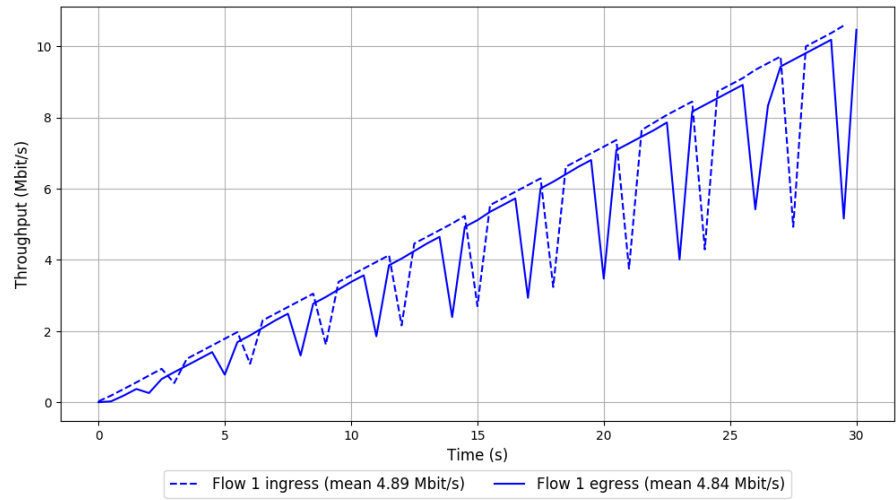
-- Flow 1:

Average throughput: 4.84 Mbit/s

95th percentile per-packet one-way delay: 137.099 ms

Loss rate: 1.82%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-26 00:09:00

End at: 2018-07-26 00:09:30

Local clock offset: 0.098 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-07-26 03:45:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.78 Mbit/s

95th percentile per-packet one-way delay: 137.990 ms

Loss rate: 1.83%

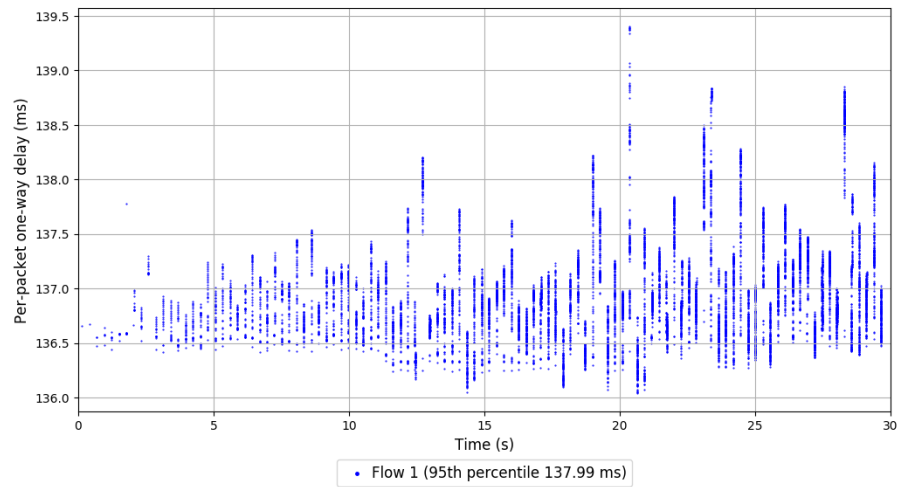
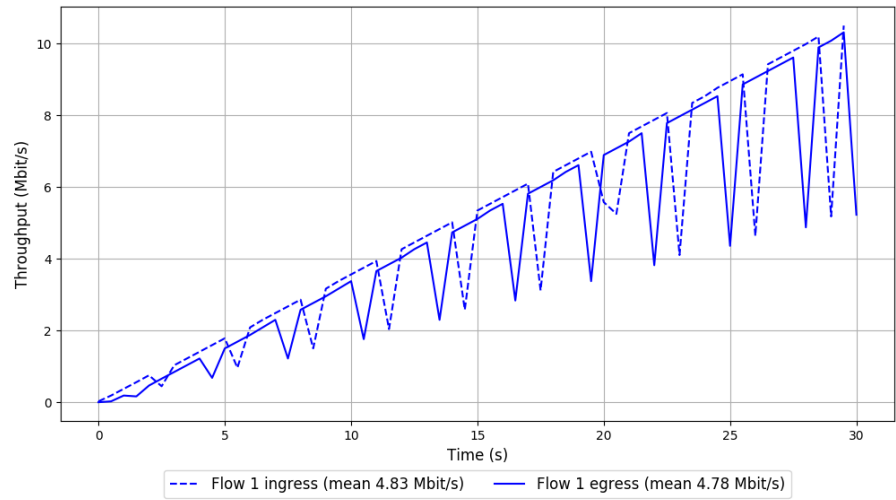
-- Flow 1:

Average throughput: 4.78 Mbit/s

95th percentile per-packet one-way delay: 137.990 ms

Loss rate: 1.83%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-07-26 00:31:58

End at: 2018-07-26 00:32:28

Local clock offset: 0.021 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-26 03:45:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.79 Mbit/s

95th percentile per-packet one-way delay: 136.967 ms

Loss rate: 1.83%

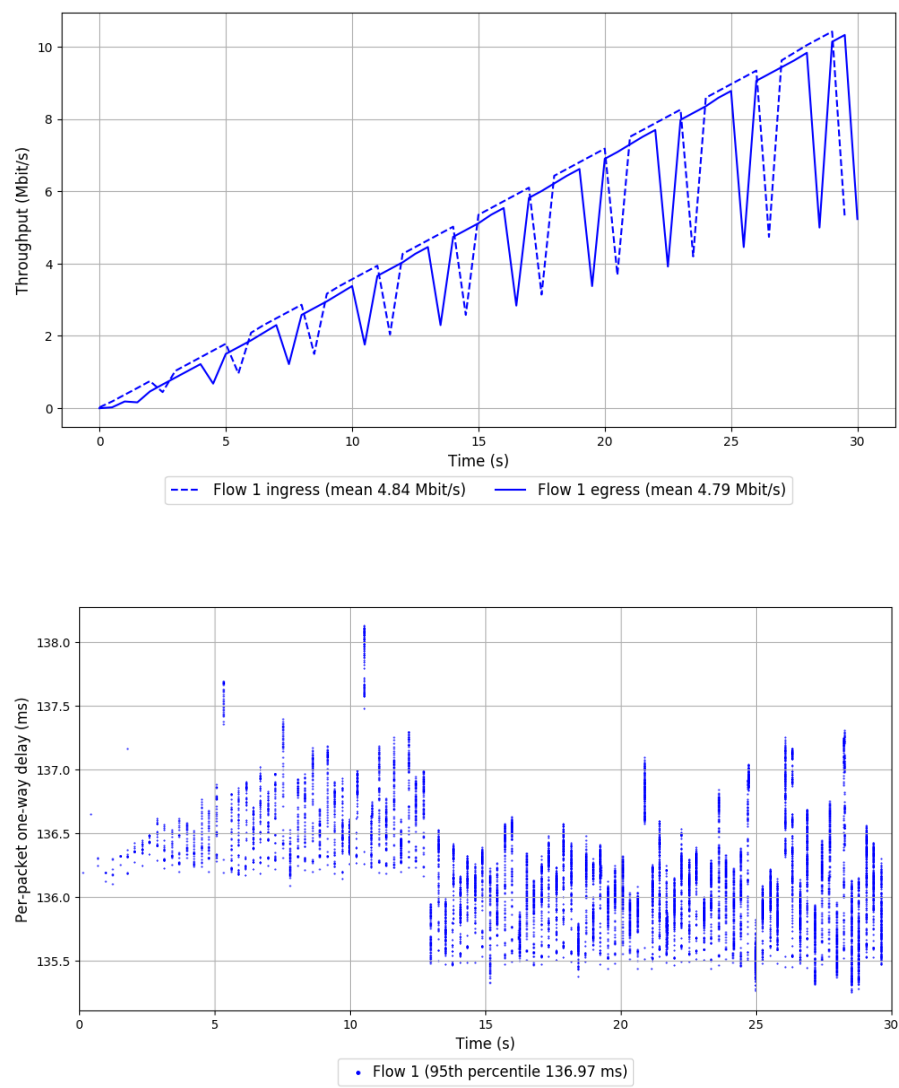
-- Flow 1:

Average throughput: 4.79 Mbit/s

95th percentile per-packet one-way delay: 136.967 ms

Loss rate: 1.83%

Run 5: Report of LEDBAT — Data Link

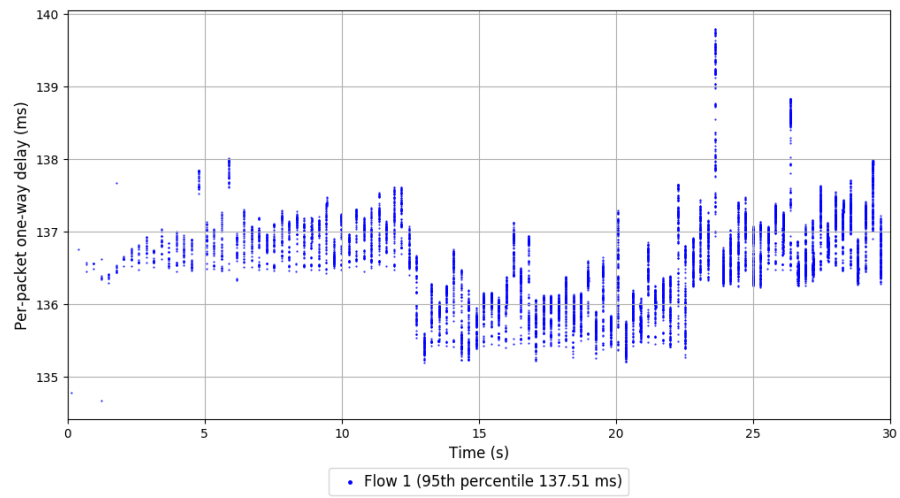
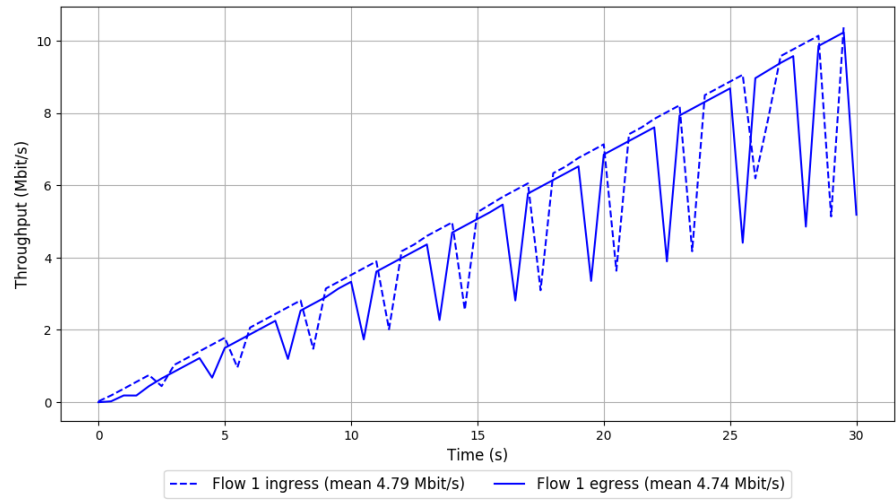


Run 6: Statistics of LEDBAT

Start at: 2018-07-26 00:54:48
End at: 2018-07-26 00:55:18
Local clock offset: -0.074 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-07-26 03:45:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.74 Mbit/s
95th percentile per-packet one-way delay: 137.511 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 4.74 Mbit/s
95th percentile per-packet one-way delay: 137.511 ms
Loss rate: 1.83%

Run 6: Report of LEDBAT — Data Link

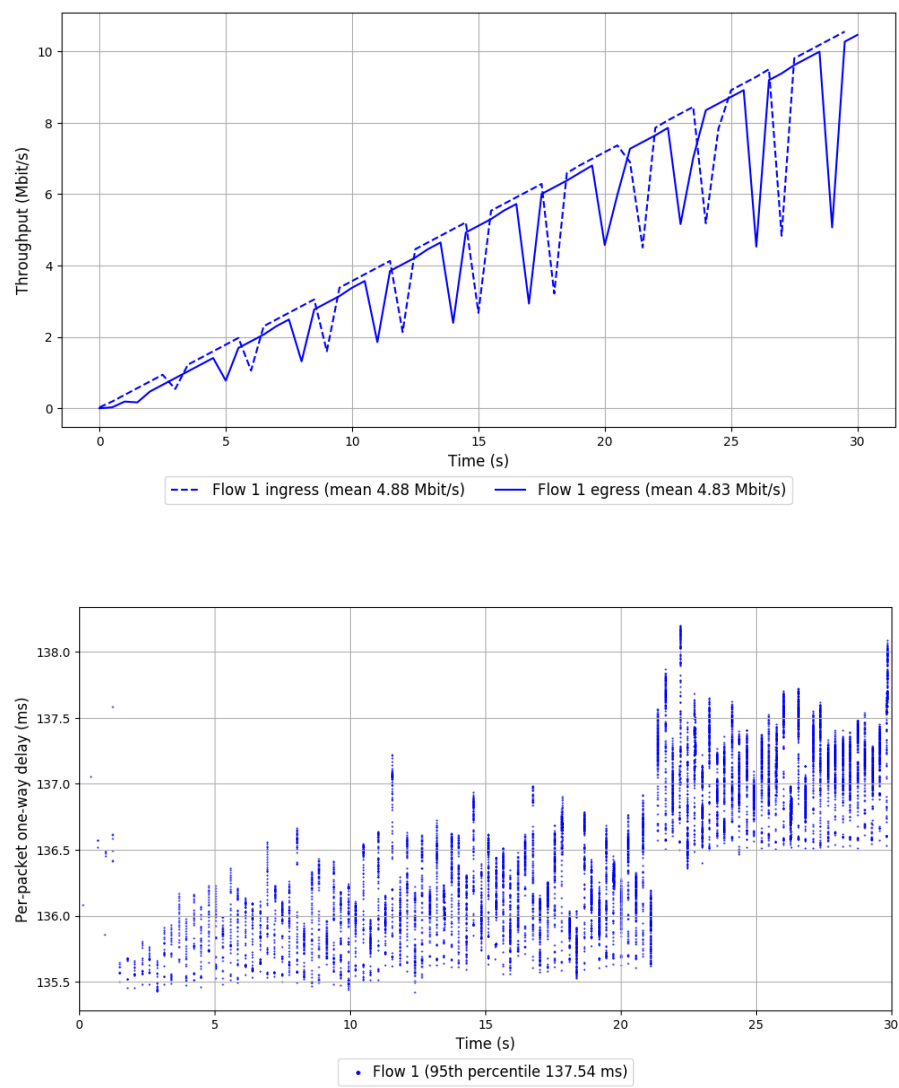


Run 7: Statistics of LEDBAT

Start at: 2018-07-26 01:17:40
End at: 2018-07-26 01:18:10
Local clock offset: 0.092 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-26 03:45:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.83 Mbit/s
95th percentile per-packet one-way delay: 137.536 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 4.83 Mbit/s
95th percentile per-packet one-way delay: 137.536 ms
Loss rate: 1.81%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-26 01:40:42

End at: 2018-07-26 01:41:12

Local clock offset: -0.022 ms

Remote clock offset: 0.301 ms

Below is generated by plot.py at 2018-07-26 03:45:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.67 Mbit/s

95th percentile per-packet one-way delay: 137.228 ms

Loss rate: 2.08%

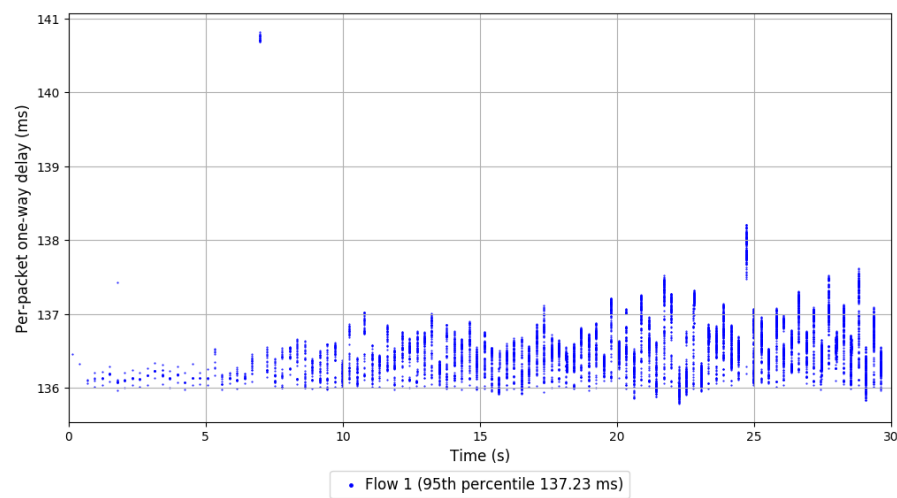
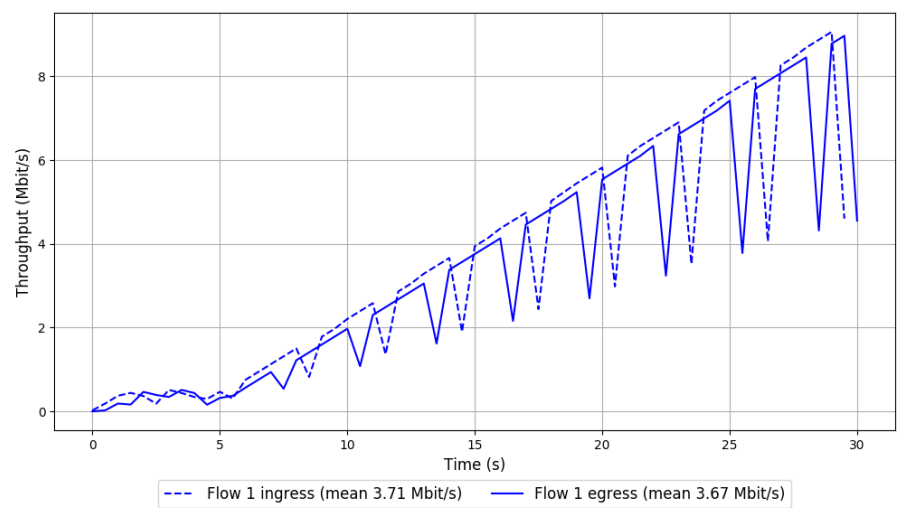
-- Flow 1:

Average throughput: 3.67 Mbit/s

95th percentile per-packet one-way delay: 137.228 ms

Loss rate: 2.08%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-26 02:03:25

End at: 2018-07-26 02:03:55

Local clock offset: -0.077 ms

Remote clock offset: 0.4 ms

Below is generated by plot.py at 2018-07-26 03:45:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.71 Mbit/s

95th percentile per-packet one-way delay: 137.389 ms

Loss rate: 2.07%

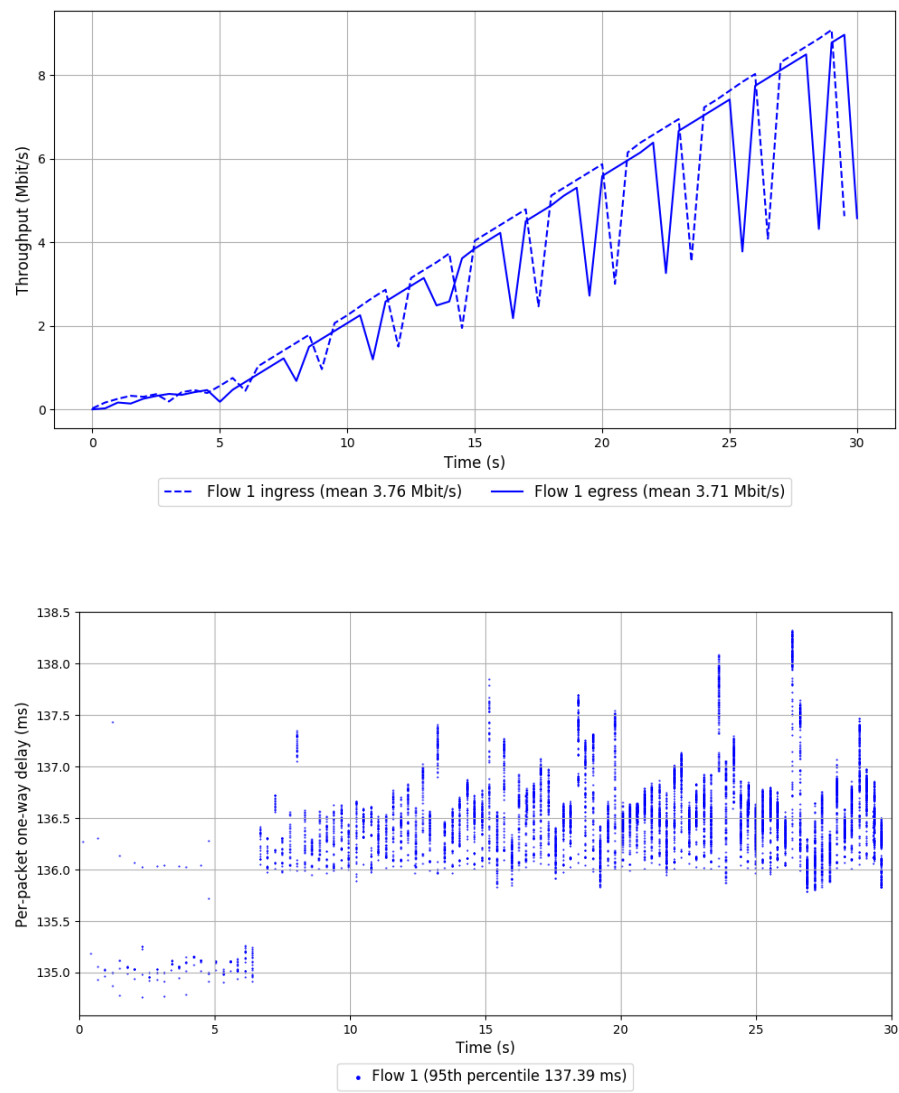
-- Flow 1:

Average throughput: 3.71 Mbit/s

95th percentile per-packet one-way delay: 137.389 ms

Loss rate: 2.07%

Run 9: Report of LEDBAT — Data Link

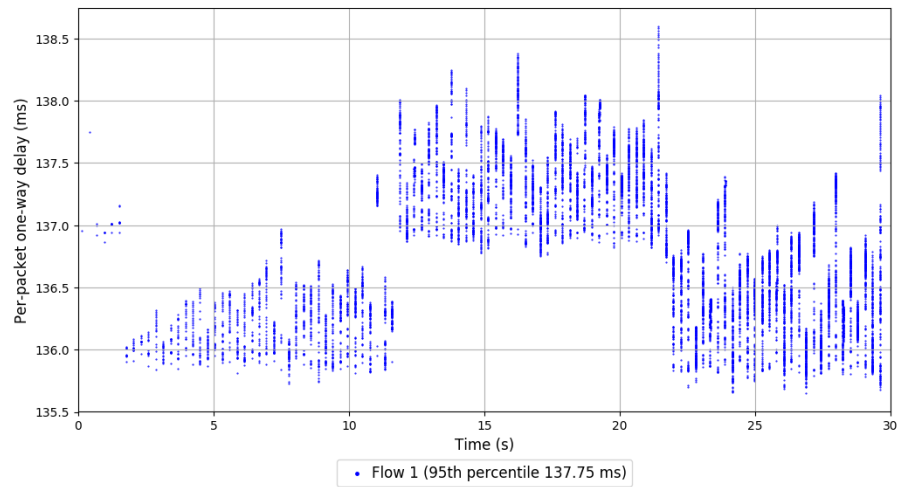
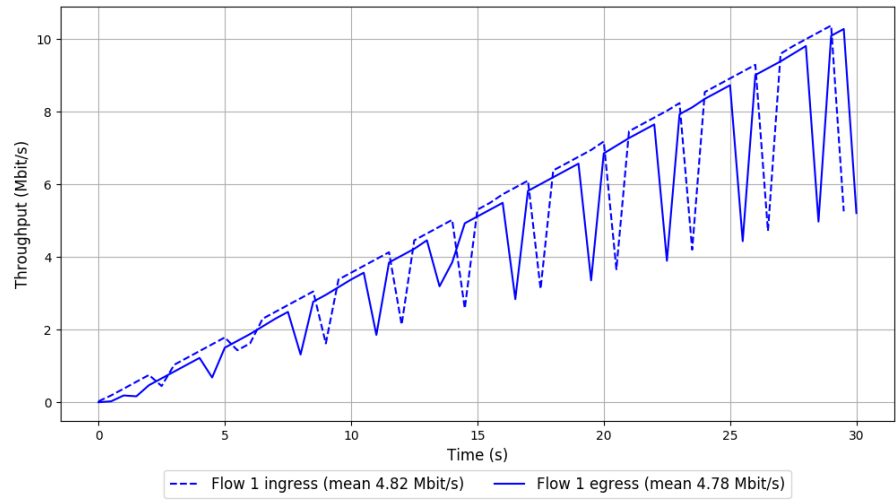


Run 10: Statistics of LEDBAT

Start at: 2018-07-26 02:26:09
End at: 2018-07-26 02:26:39
Local clock offset: 0.127 ms
Remote clock offset: -0.375 ms

Below is generated by plot.py at 2018-07-26 03:45:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 137.749 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 137.749 ms
Loss rate: 1.83%

Run 10: Report of LEDBAT — Data Link

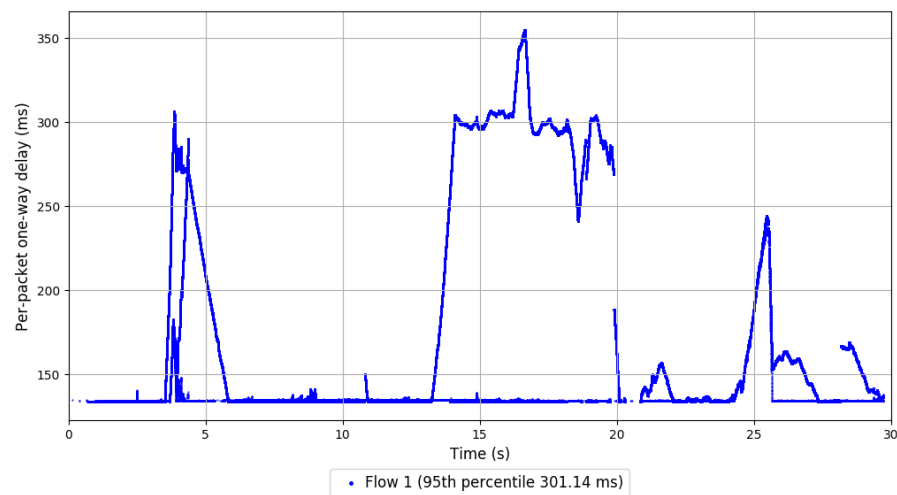
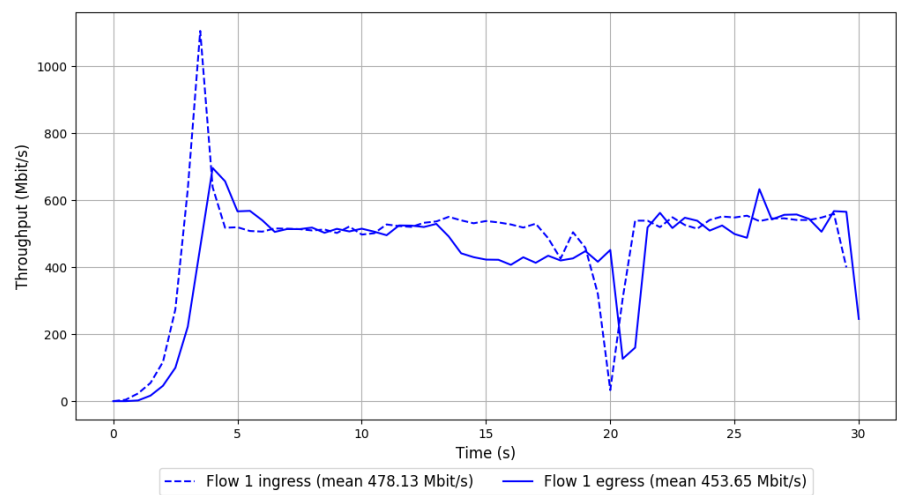


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-25 22:52:35
End at: 2018-07-25 22:53:05
Local clock offset: -1.753 ms
Remote clock offset: -0.09 ms

# Below is generated by plot.py at 2018-07-26 03:47:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 453.65 Mbit/s
95th percentile per-packet one-way delay: 301.145 ms
Loss rate: 5.98%
-- Flow 1:
Average throughput: 453.65 Mbit/s
95th percentile per-packet one-way delay: 301.145 ms
Loss rate: 5.98%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-25 23:15:15

End at: 2018-07-25 23:15:45

Local clock offset: 1.974 ms

Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-07-26 03:47:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 481.81 Mbit/s

95th percentile per-packet one-way delay: 214.090 ms

Loss rate: 2.48%

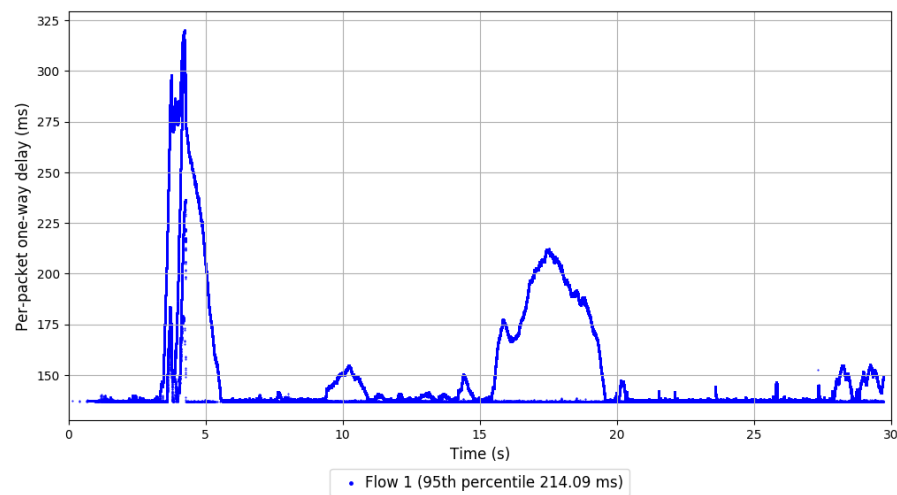
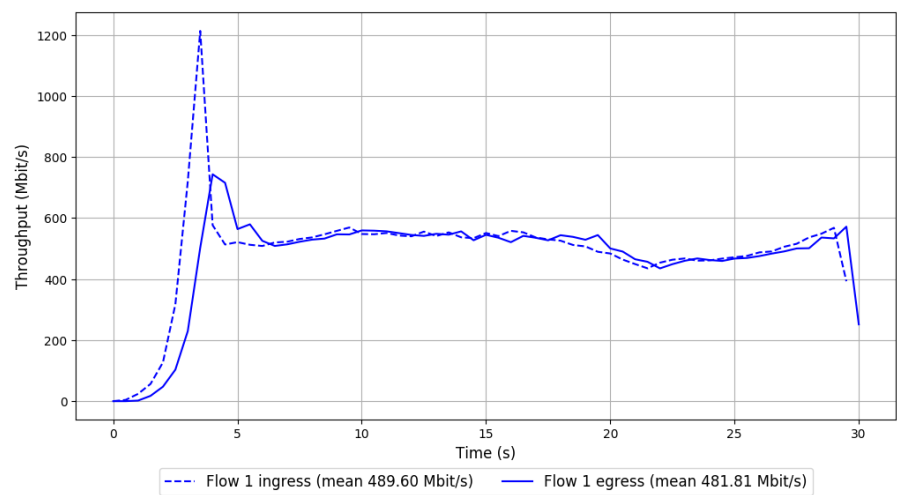
-- Flow 1:

Average throughput: 481.81 Mbit/s

95th percentile per-packet one-way delay: 214.090 ms

Loss rate: 2.48%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-25 23:38:06

End at: 2018-07-25 23:38:36

Local clock offset: 1.857 ms

Remote clock offset: 0.365 ms

Below is generated by plot.py at 2018-07-26 03:48:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 509.02 Mbit/s

95th percentile per-packet one-way delay: 229.945 ms

Loss rate: 2.38%

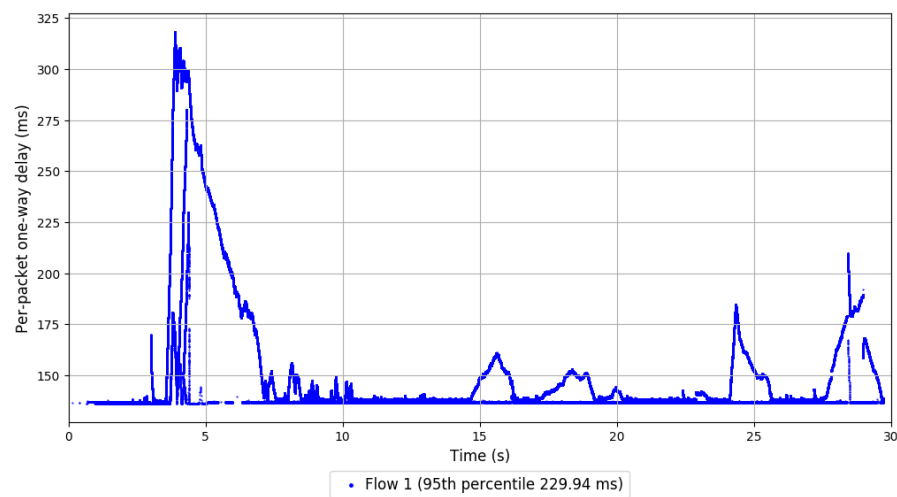
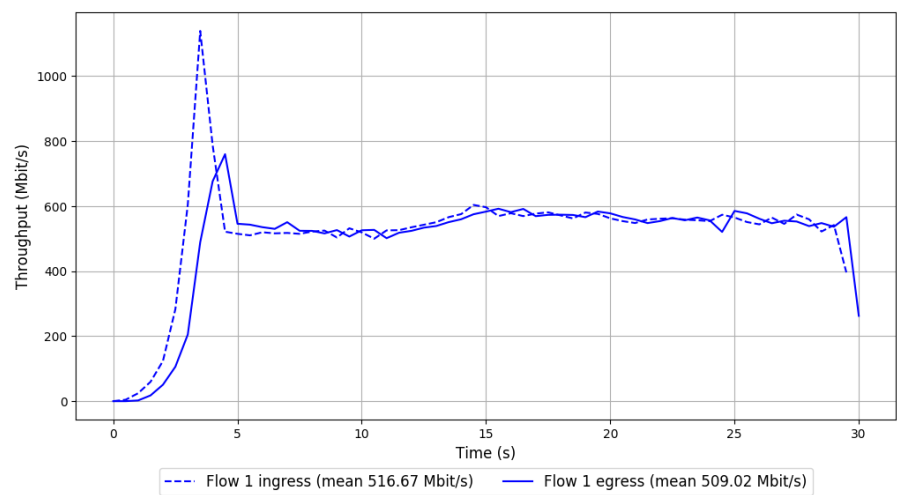
-- Flow 1:

Average throughput: 509.02 Mbit/s

95th percentile per-packet one-way delay: 229.945 ms

Loss rate: 2.38%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-26 00:01:15

End at: 2018-07-26 00:01:45

Local clock offset: 0.012 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-07-26 03:48:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 469.90 Mbit/s

95th percentile per-packet one-way delay: 303.319 ms

Loss rate: 5.43%

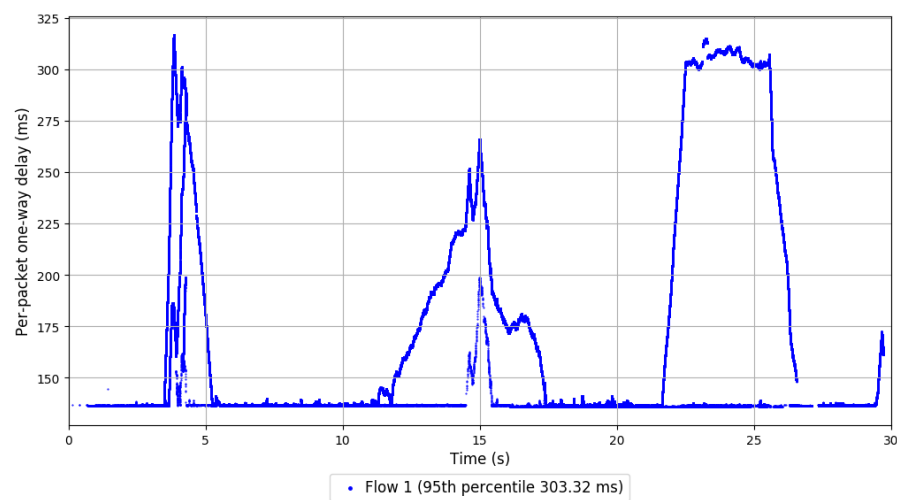
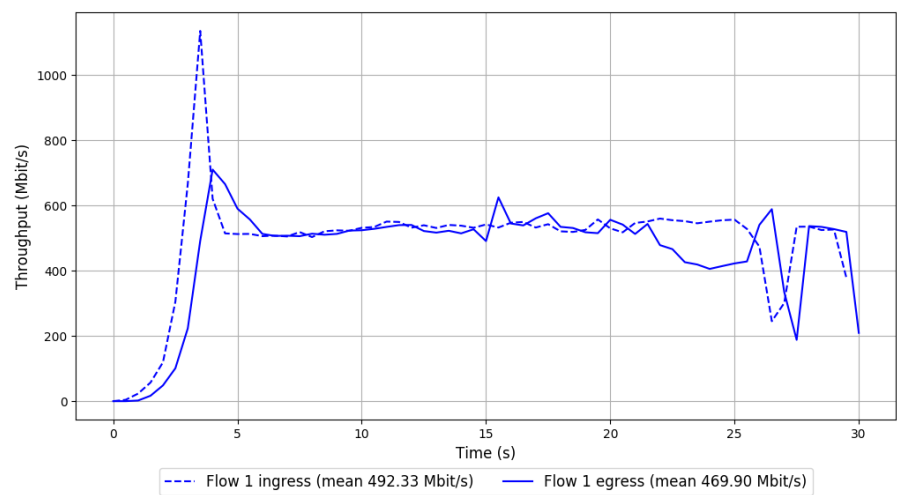
-- Flow 1:

Average throughput: 469.90 Mbit/s

95th percentile per-packet one-way delay: 303.319 ms

Loss rate: 5.43%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-26 00:24:10

End at: 2018-07-26 00:24:40

Local clock offset: 0.165 ms

Remote clock offset: 0.405 ms

Below is generated by plot.py at 2018-07-26 03:54:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 472.68 Mbit/s

95th percentile per-packet one-way delay: 269.357 ms

Loss rate: 2.91%

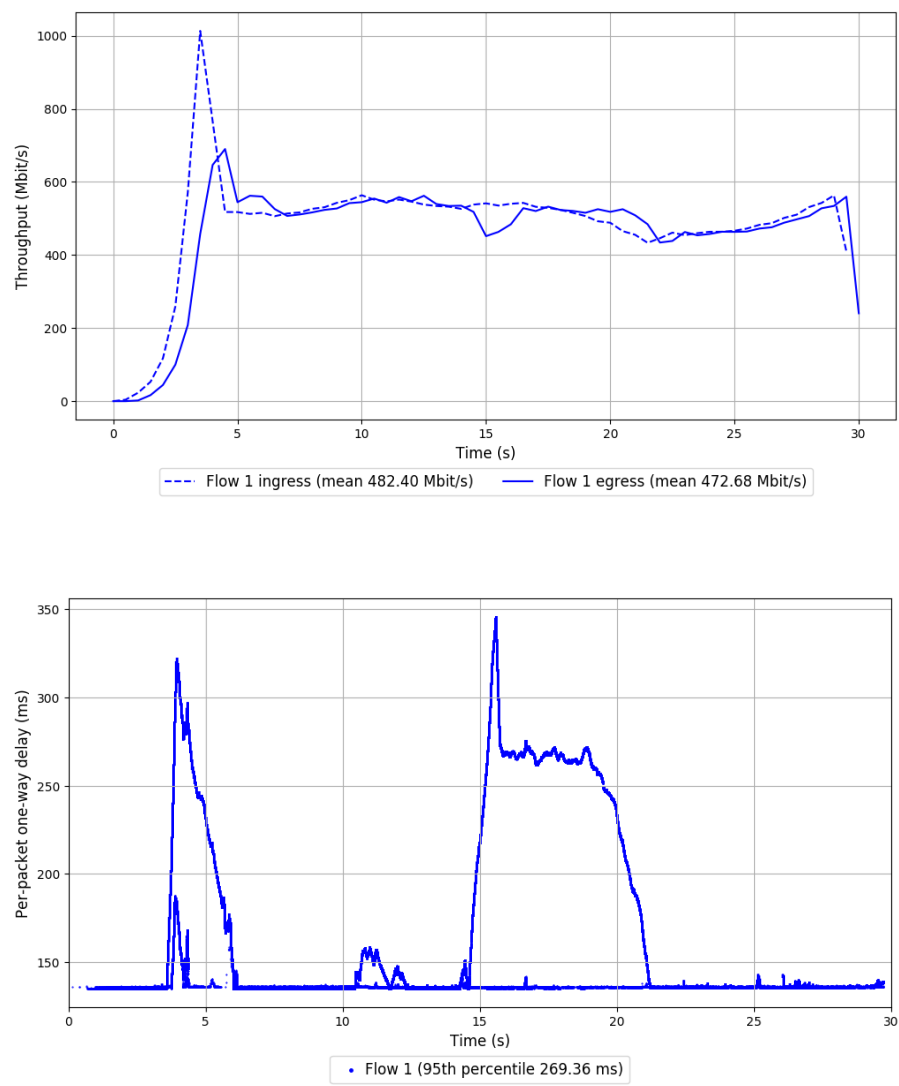
-- Flow 1:

Average throughput: 472.68 Mbit/s

95th percentile per-packet one-way delay: 269.357 ms

Loss rate: 2.91%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-26 00:47:06

End at: 2018-07-26 00:47:36

Local clock offset: -0.144 ms

Remote clock offset: 0.403 ms

Below is generated by plot.py at 2018-07-26 03:54:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 462.32 Mbit/s

95th percentile per-packet one-way delay: 300.110 ms

Loss rate: 3.97%

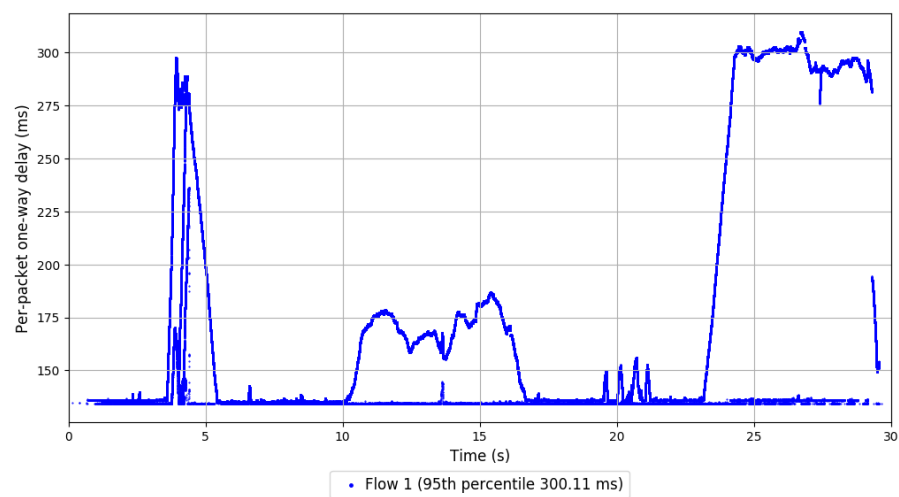
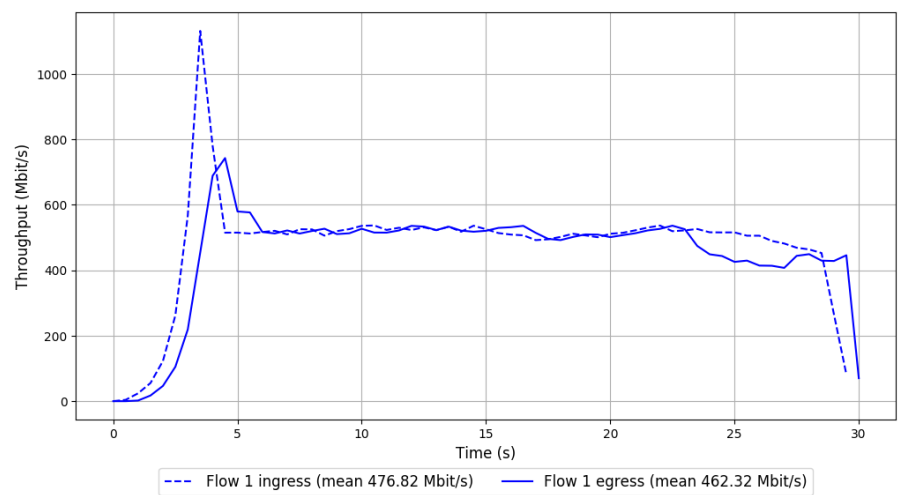
-- Flow 1:

Average throughput: 462.32 Mbit/s

95th percentile per-packet one-way delay: 300.110 ms

Loss rate: 3.97%

Run 6: Report of PCC-Allegro — Data Link

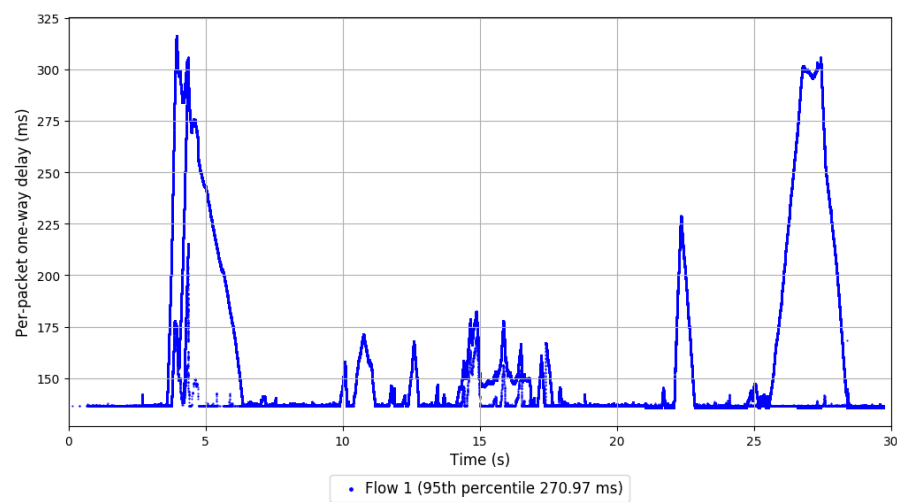
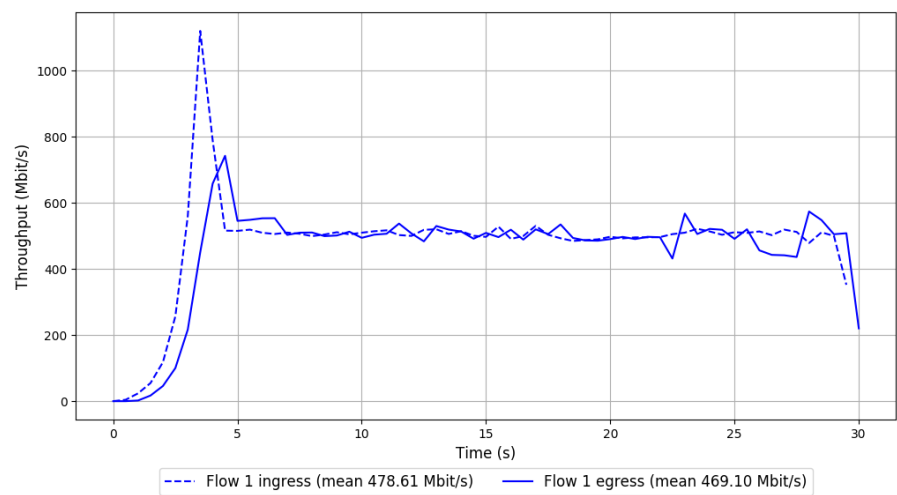


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-26 01:09:50
End at: 2018-07-26 01:10:20
Local clock offset: 0.0 ms
Remote clock offset: -0.387 ms

Below is generated by plot.py at 2018-07-26 03:55:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 469.10 Mbit/s
95th percentile per-packet one-way delay: 270.968 ms
Loss rate: 2.88%
-- Flow 1:
Average throughput: 469.10 Mbit/s
95th percentile per-packet one-way delay: 270.968 ms
Loss rate: 2.88%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-26 01:33:04

End at: 2018-07-26 01:33:34

Local clock offset: -0.112 ms

Remote clock offset: 0.364 ms

Below is generated by plot.py at 2018-07-26 03:55:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 439.67 Mbit/s

95th percentile per-packet one-way delay: 292.701 ms

Loss rate: 2.93%

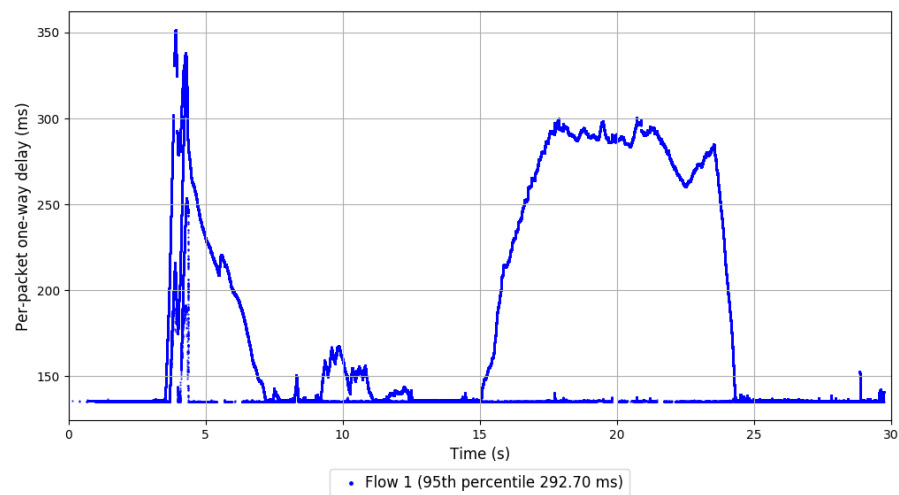
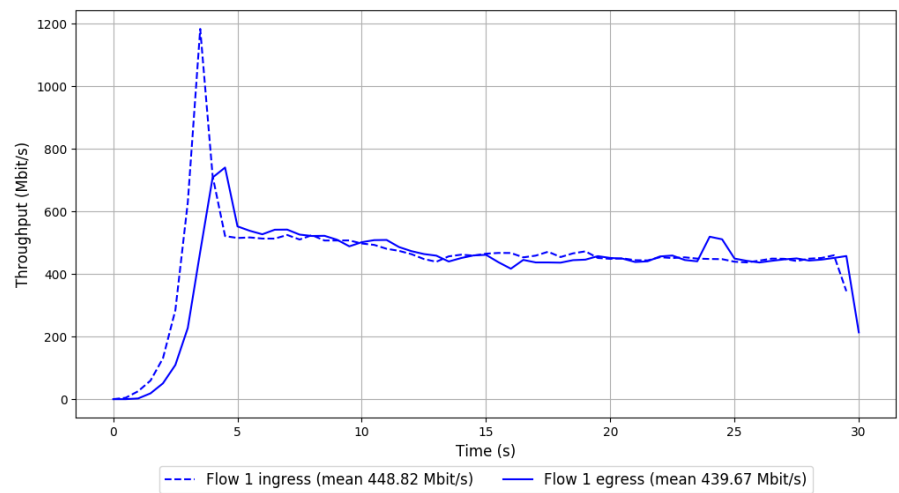
-- Flow 1:

Average throughput: 439.67 Mbit/s

95th percentile per-packet one-way delay: 292.701 ms

Loss rate: 2.93%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-26 01:55:40

End at: 2018-07-26 01:56:10

Local clock offset: -0.188 ms

Remote clock offset: 0.381 ms

Below is generated by plot.py at 2018-07-26 03:58:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 500.60 Mbit/s

95th percentile per-packet one-way delay: 191.599 ms

Loss rate: 2.25%

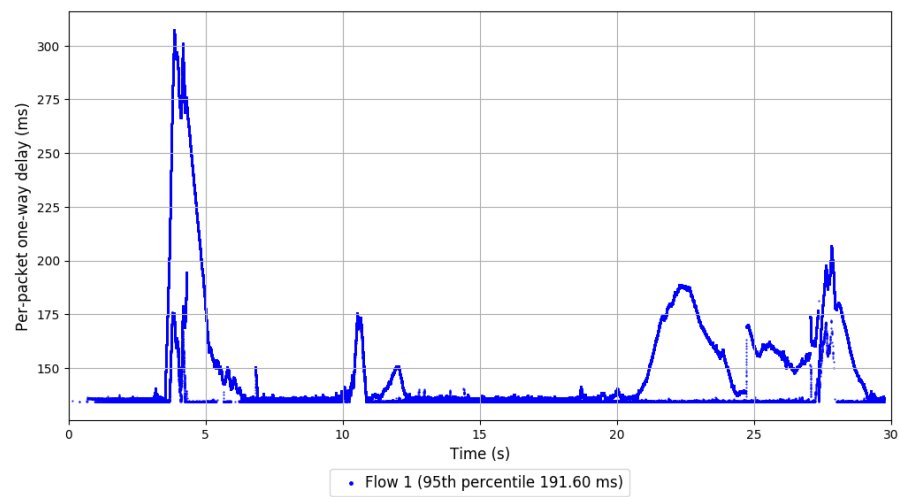
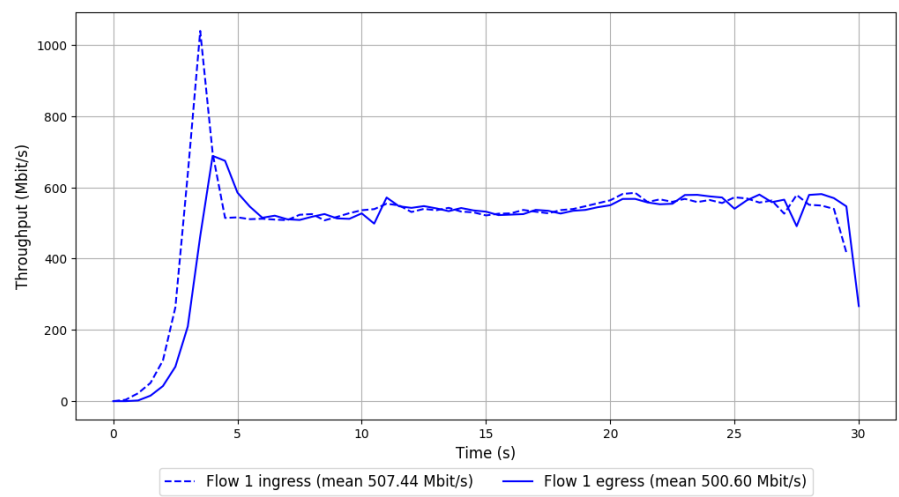
-- Flow 1:

Average throughput: 500.60 Mbit/s

95th percentile per-packet one-way delay: 191.599 ms

Loss rate: 2.25%

Run 9: Report of PCC-Allegro — Data Link

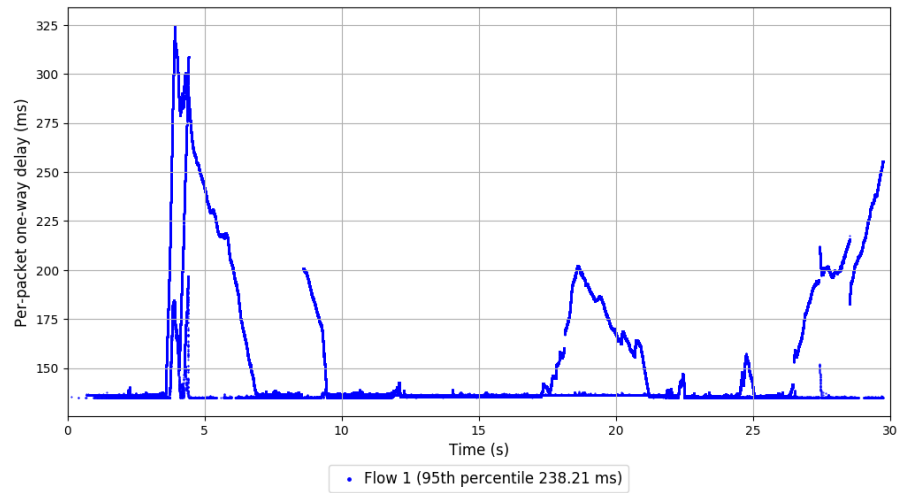
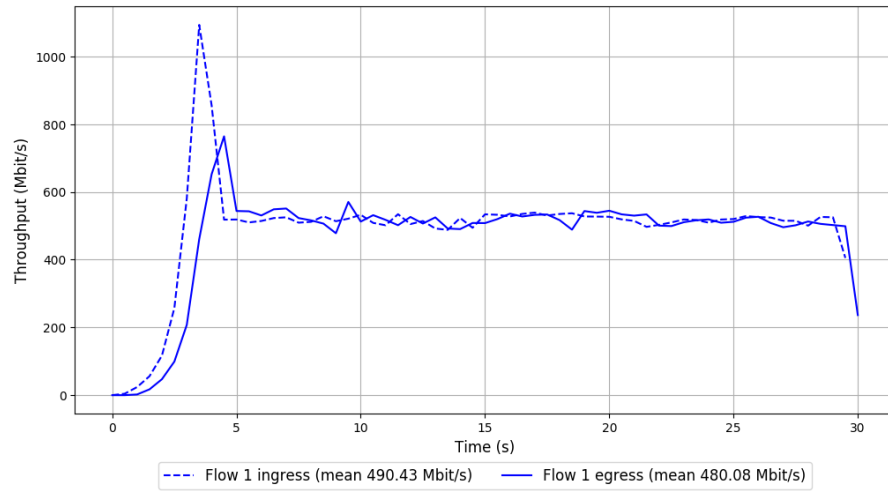


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-26 02:18:19
End at: 2018-07-26 02:18:49
Local clock offset: 0.006 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-07-26 03:58:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 480.08 Mbit/s
95th percentile per-packet one-way delay: 238.206 ms
Loss rate: 3.00%
-- Flow 1:
Average throughput: 480.08 Mbit/s
95th percentile per-packet one-way delay: 238.206 ms
Loss rate: 3.00%

Run 10: Report of PCC-Allegro — Data Link

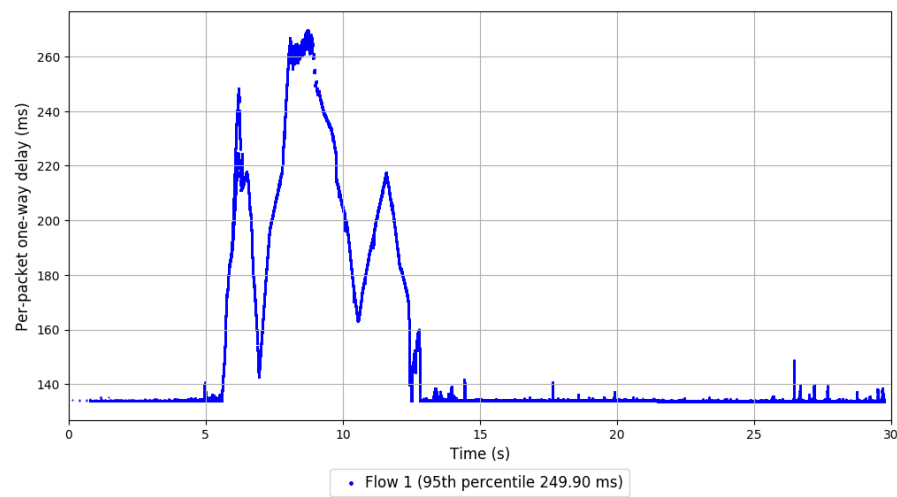
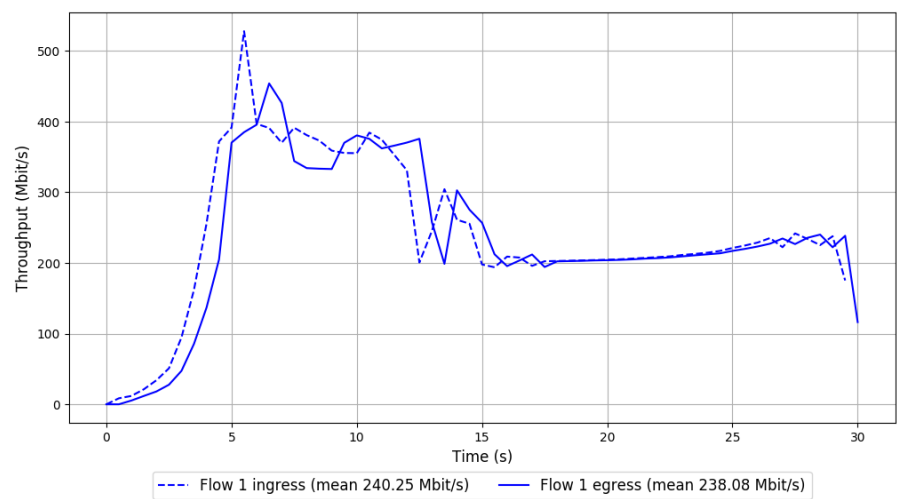


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-25 22:41:19
End at: 2018-07-25 22:41:49
Local clock offset: -1.908 ms
Remote clock offset: 0.185 ms

# Below is generated by plot.py at 2018-07-26 03:58:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 238.08 Mbit/s
95th percentile per-packet one-way delay: 249.904 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 238.08 Mbit/s
95th percentile per-packet one-way delay: 249.904 ms
Loss rate: 1.81%
```


Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-07-25 23:03:57

End at: 2018-07-25 23:04:27

Local clock offset: 1.176 ms

Remote clock offset: -0.434 ms

Below is generated by plot.py at 2018-07-26 03:58:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.37 Mbit/s

95th percentile per-packet one-way delay: 259.542 ms

Loss rate: 1.29%

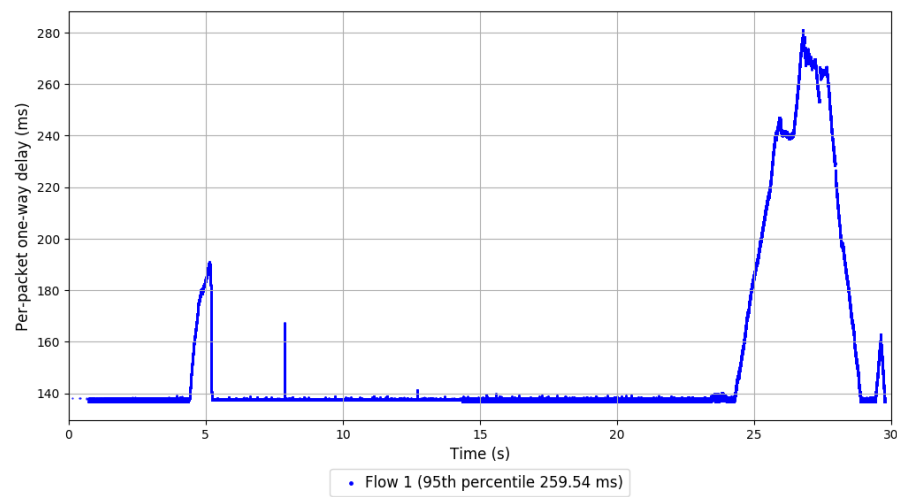
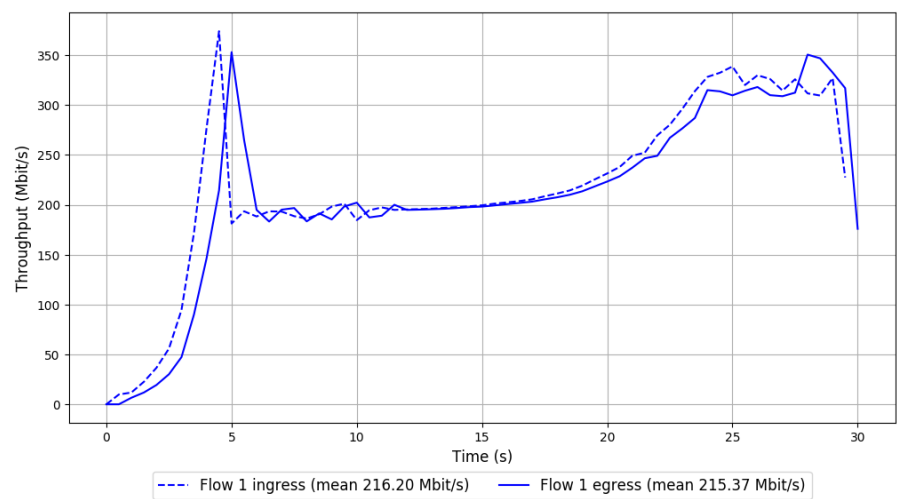
-- Flow 1:

Average throughput: 215.37 Mbit/s

95th percentile per-packet one-way delay: 259.542 ms

Loss rate: 1.29%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-25 23:26:36

End at: 2018-07-25 23:27:06

Local clock offset: -0.283 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-07-26 04:01:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.95 Mbit/s

95th percentile per-packet one-way delay: 136.886 ms

Loss rate: 1.11%

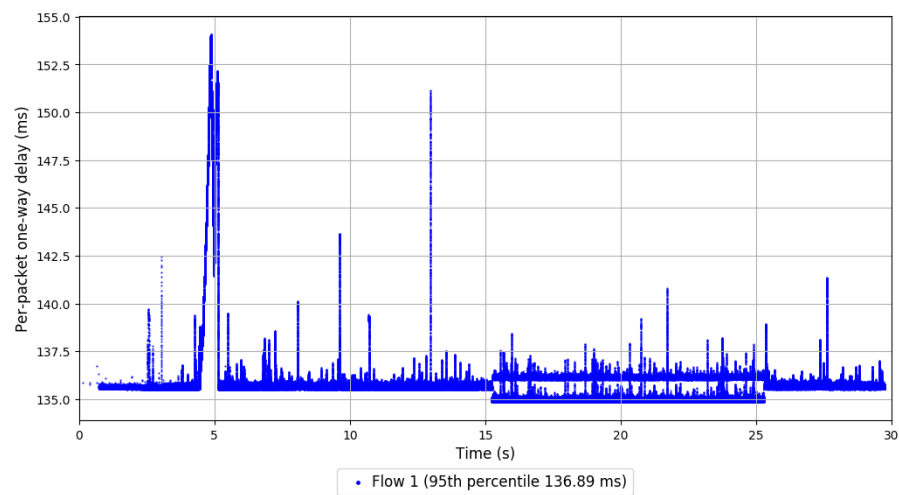
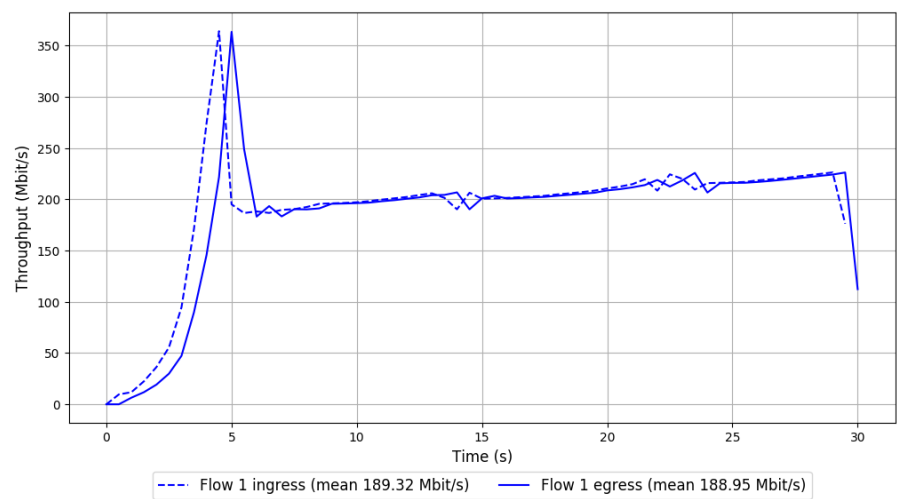
-- Flow 1:

Average throughput: 188.95 Mbit/s

95th percentile per-packet one-way delay: 136.886 ms

Loss rate: 1.11%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-25 23:49:33

End at: 2018-07-25 23:50:03

Local clock offset: 2.237 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-26 04:05:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 270.20 Mbit/s

95th percentile per-packet one-way delay: 226.096 ms

Loss rate: 3.28%

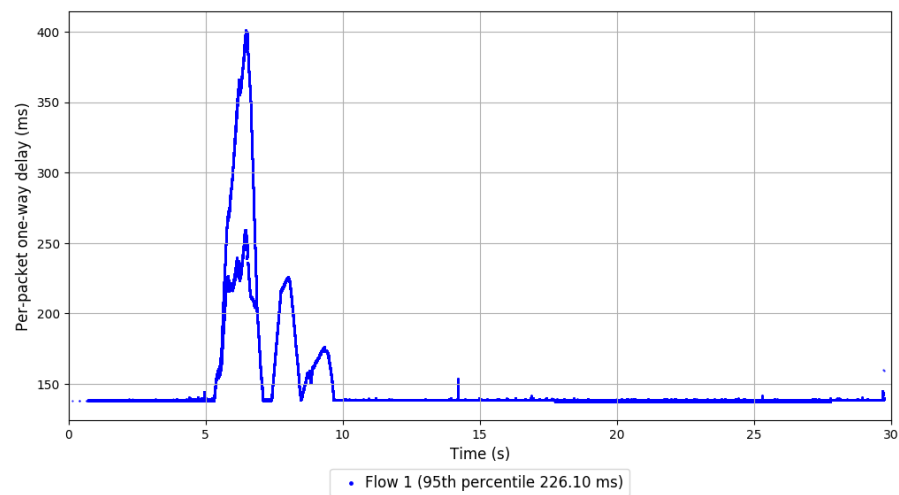
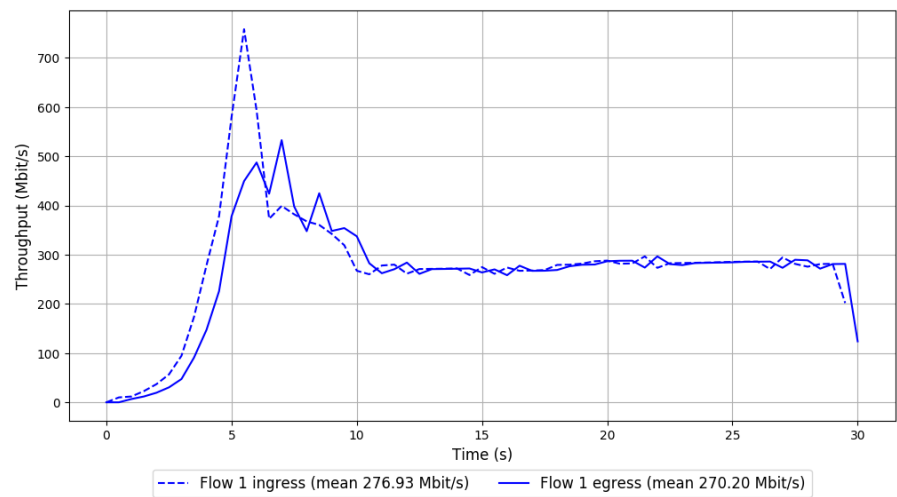
-- Flow 1:

Average throughput: 270.20 Mbit/s

95th percentile per-packet one-way delay: 226.096 ms

Loss rate: 3.28%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-26 00:12:38

End at: 2018-07-26 00:13:08

Local clock offset: -0.228 ms

Remote clock offset: 0.437 ms

Below is generated by plot.py at 2018-07-26 04:06:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 284.75 Mbit/s

95th percentile per-packet one-way delay: 243.377 ms

Loss rate: 2.70%

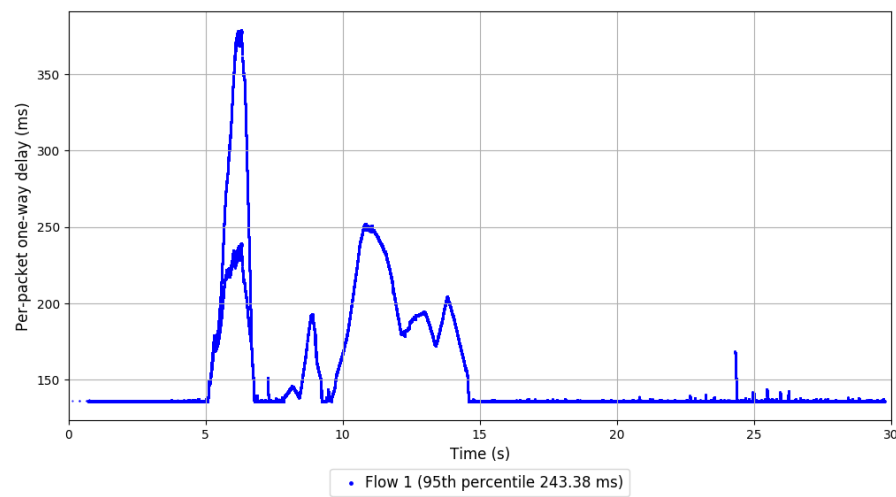
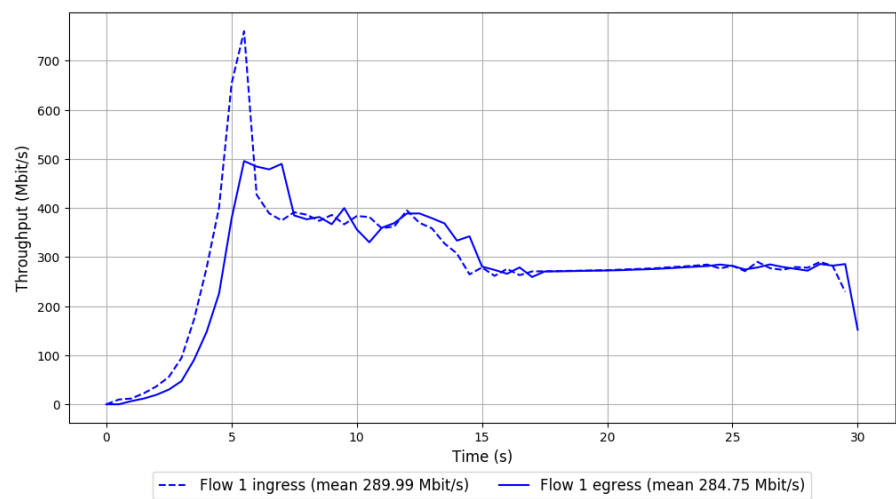
-- Flow 1:

Average throughput: 284.75 Mbit/s

95th percentile per-packet one-way delay: 243.377 ms

Loss rate: 2.70%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-26 00:35:39

End at: 2018-07-26 00:36:09

Local clock offset: 0.093 ms

Remote clock offset: 0.051 ms

Below is generated by plot.py at 2018-07-26 04:07:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 273.90 Mbit/s

95th percentile per-packet one-way delay: 274.965 ms

Loss rate: 7.10%

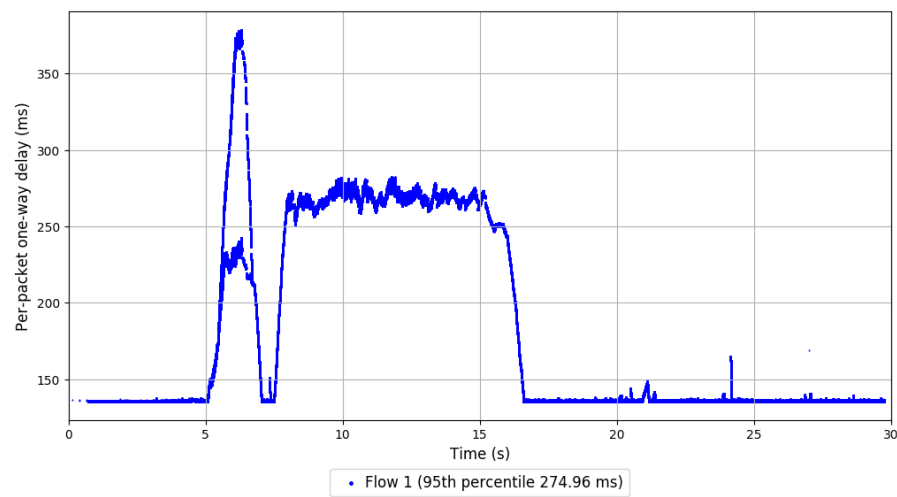
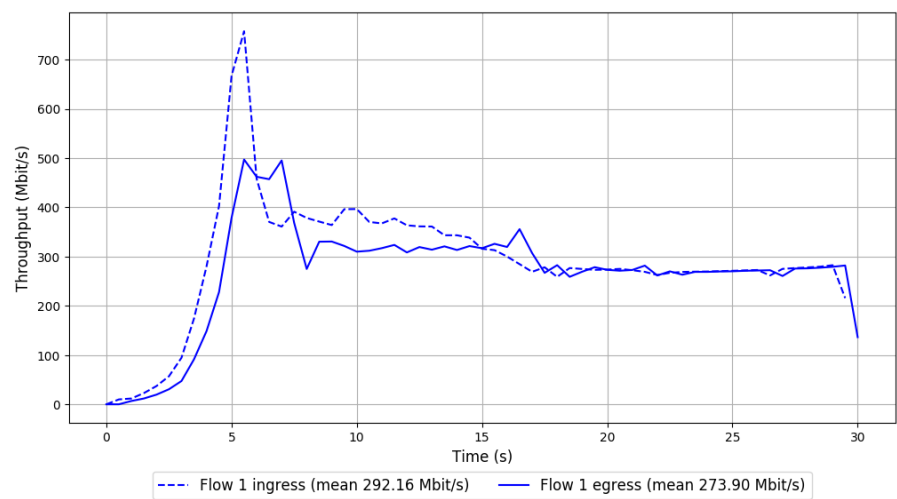
-- Flow 1:

Average throughput: 273.90 Mbit/s

95th percentile per-packet one-way delay: 274.965 ms

Loss rate: 7.10%

Run 6: Report of PCC-Expr — Data Link

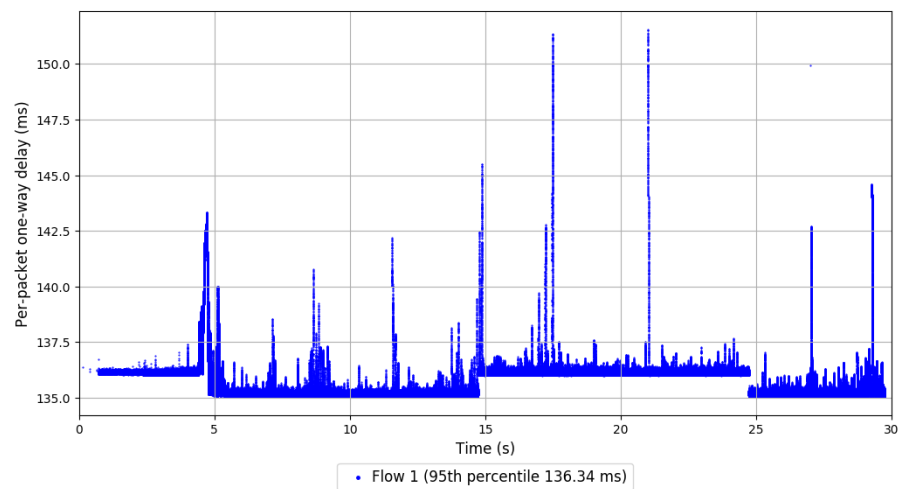
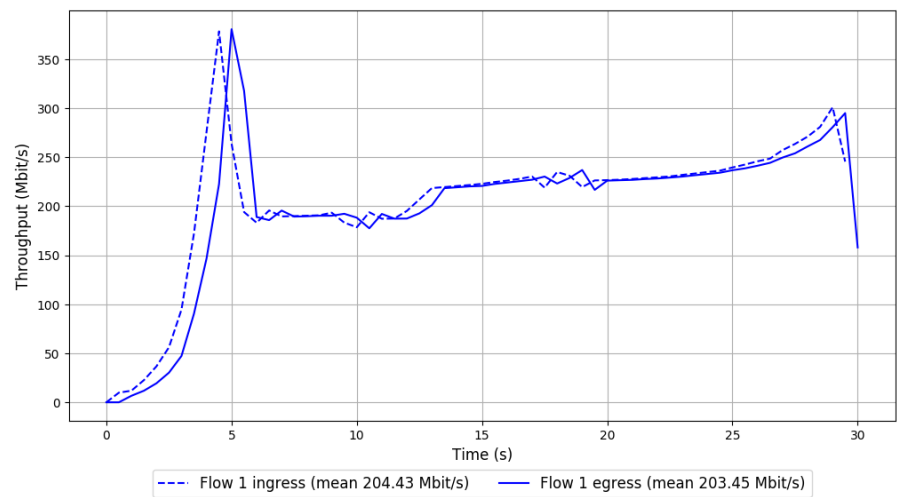


Run 7: Statistics of PCC-Expr

Start at: 2018-07-26 00:58:26
End at: 2018-07-26 00:58:56
Local clock offset: -0.184 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-26 04:07:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 203.45 Mbit/s
95th percentile per-packet one-way delay: 136.341 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 203.45 Mbit/s
95th percentile per-packet one-way delay: 136.341 ms
Loss rate: 1.39%

Run 7: Report of PCC-Expr — Data Link

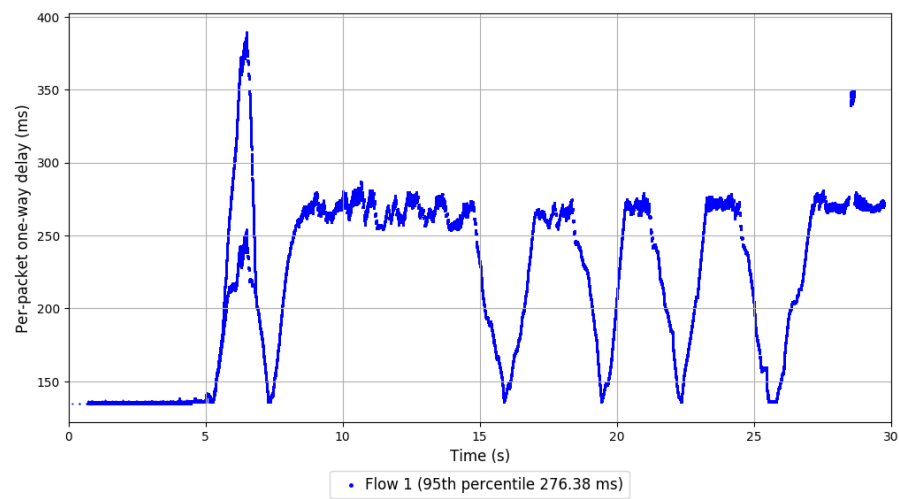
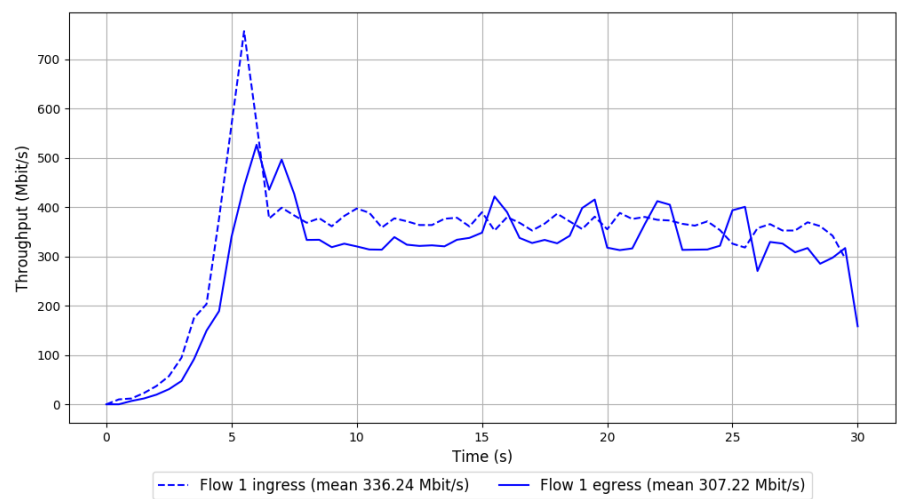


Run 8: Statistics of PCC-Expr

Start at: 2018-07-26 01:21:17
End at: 2018-07-26 01:21:47
Local clock offset: -0.094 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-26 04:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 307.22 Mbit/s
95th percentile per-packet one-way delay: 276.384 ms
Loss rate: 9.46%
-- Flow 1:
Average throughput: 307.22 Mbit/s
95th percentile per-packet one-way delay: 276.384 ms
Loss rate: 9.46%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-26 01:44:21

End at: 2018-07-26 01:44:51

Local clock offset: -0.072 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-07-26 04:11:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 277.48 Mbit/s

95th percentile per-packet one-way delay: 272.155 ms

Loss rate: 6.33%

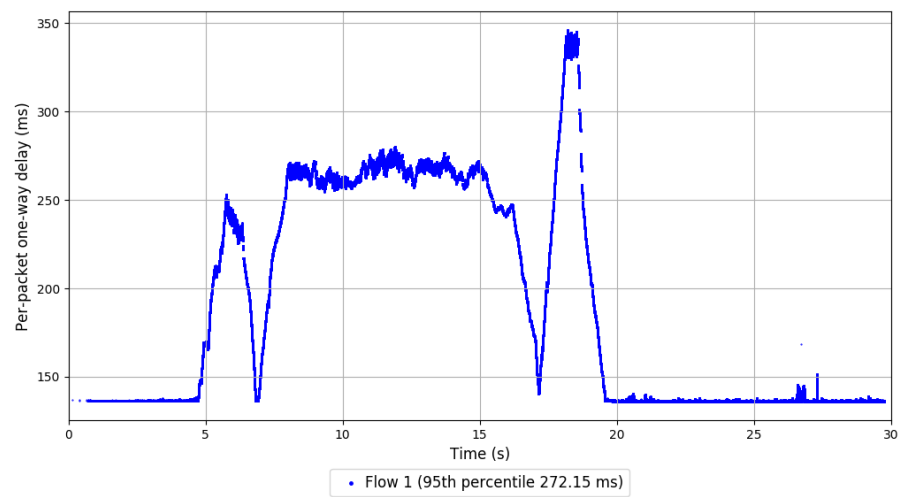
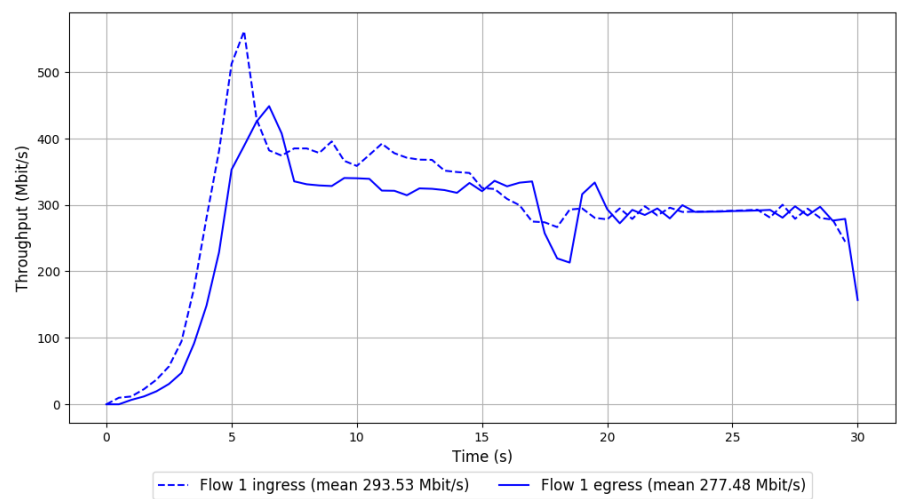
-- Flow 1:

Average throughput: 277.48 Mbit/s

95th percentile per-packet one-way delay: 272.155 ms

Loss rate: 6.33%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-26 02:07:03

End at: 2018-07-26 02:07:33

Local clock offset: 0.052 ms

Remote clock offset: 0.4 ms

Below is generated by plot.py at 2018-07-26 04:11:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 175.57 Mbit/s

95th percentile per-packet one-way delay: 136.019 ms

Loss rate: 0.96%

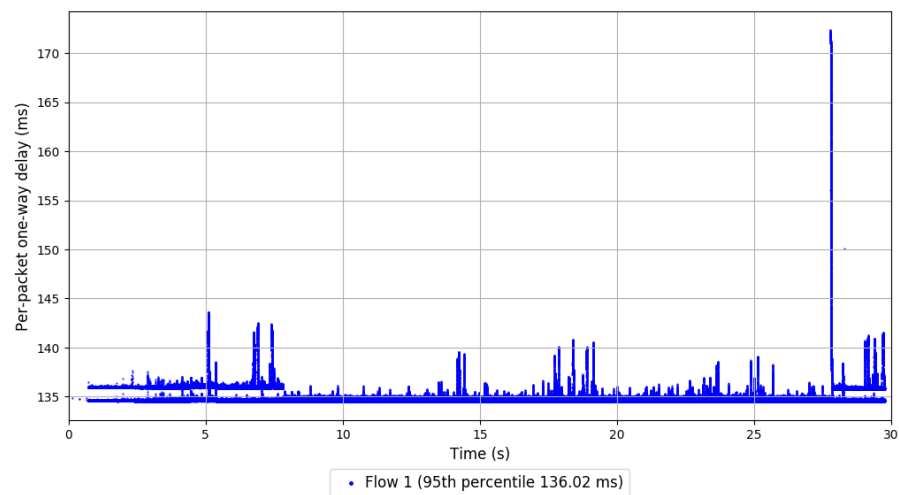
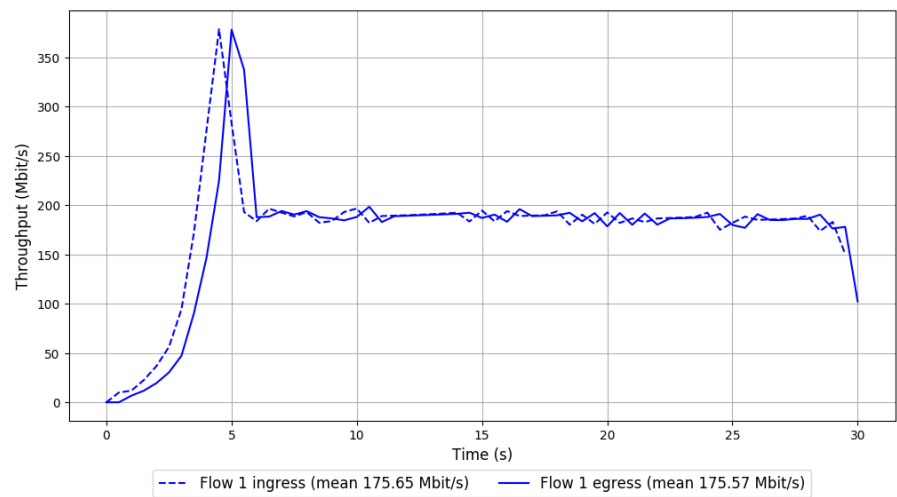
-- Flow 1:

Average throughput: 175.57 Mbit/s

95th percentile per-packet one-way delay: 136.019 ms

Loss rate: 0.96%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-25 22:59:08

End at: 2018-07-25 22:59:38

Local clock offset: 2.156 ms

Remote clock offset: 0.269 ms

Below is generated by plot.py at 2018-07-26 04:11:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.09 Mbit/s

95th percentile per-packet one-way delay: 138.166 ms

Loss rate: 1.07%

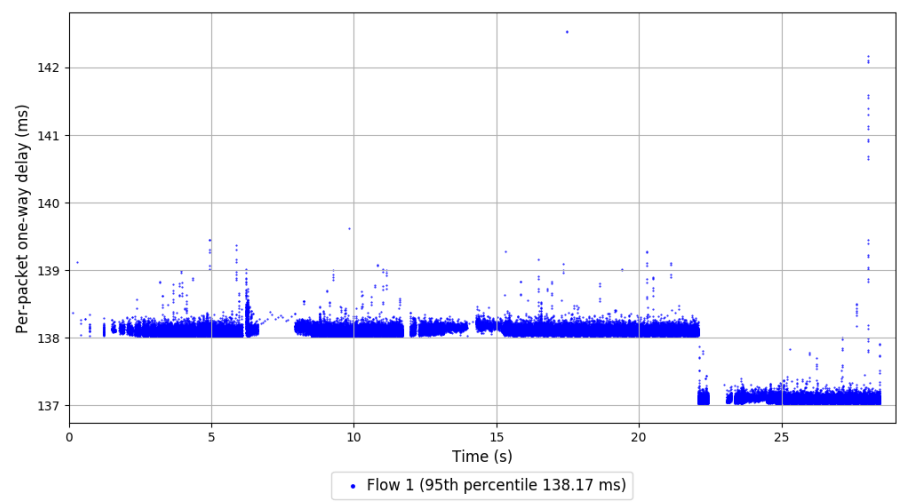
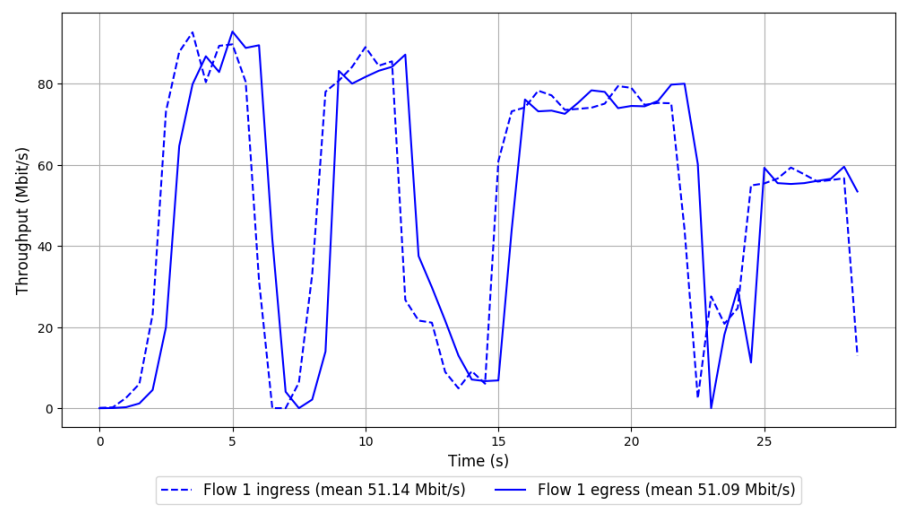
-- Flow 1:

Average throughput: 51.09 Mbit/s

95th percentile per-packet one-way delay: 138.166 ms

Loss rate: 1.07%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

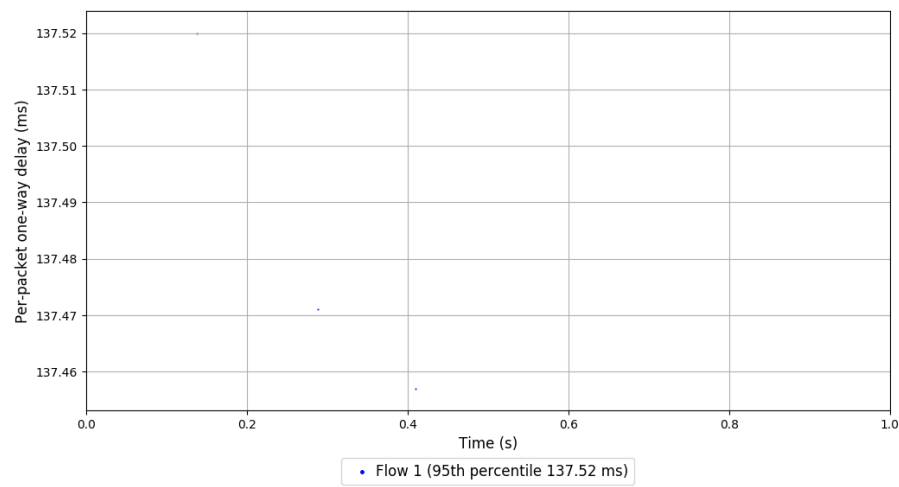
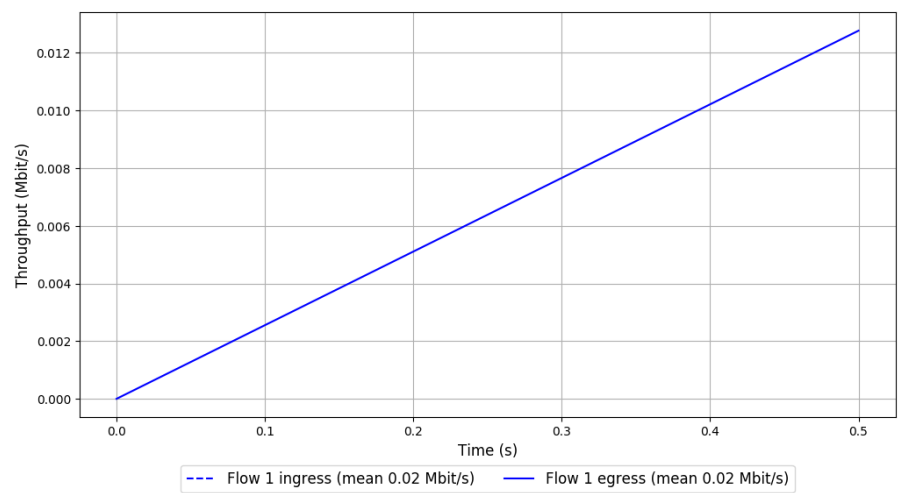
Start at: 2018-07-25 23:21:46

End at: 2018-07-25 23:22:16

Local clock offset: 2.146 ms

Remote clock offset: -0.044 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-25 23:44:43

End at: 2018-07-25 23:45:14

Local clock offset: 1.833 ms

Remote clock offset: -0.374 ms

Below is generated by plot.py at 2018-07-26 04:11:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.40 Mbit/s

95th percentile per-packet one-way delay: 138.593 ms

Loss rate: 1.30%

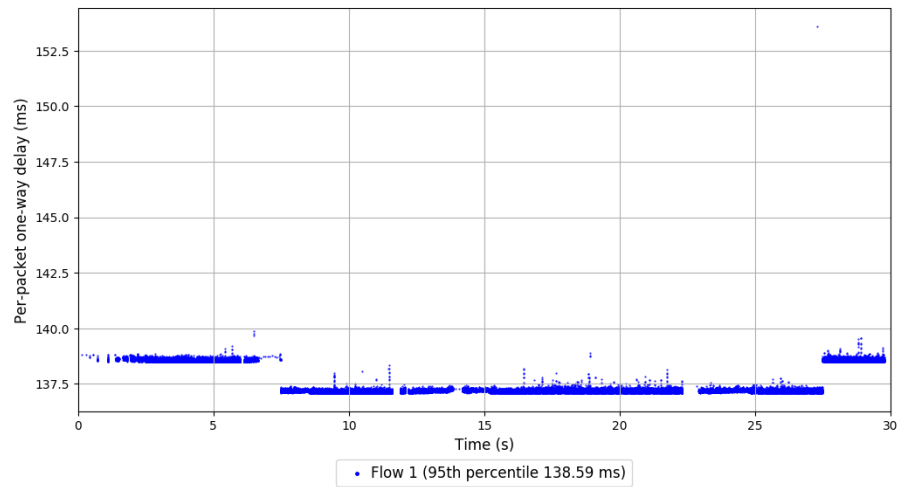
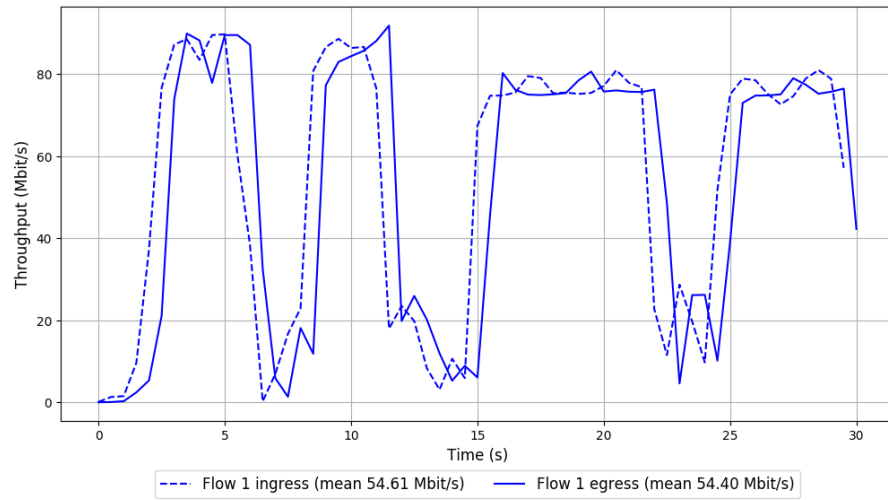
-- Flow 1:

Average throughput: 54.40 Mbit/s

95th percentile per-packet one-way delay: 138.593 ms

Loss rate: 1.30%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-26 00:07:48

End at: 2018-07-26 00:08:18

Local clock offset: 0.026 ms

Remote clock offset: -0.34 ms

Below is generated by plot.py at 2018-07-26 04:11:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.42 Mbit/s

95th percentile per-packet one-way delay: 136.999 ms

Loss rate: 1.31%

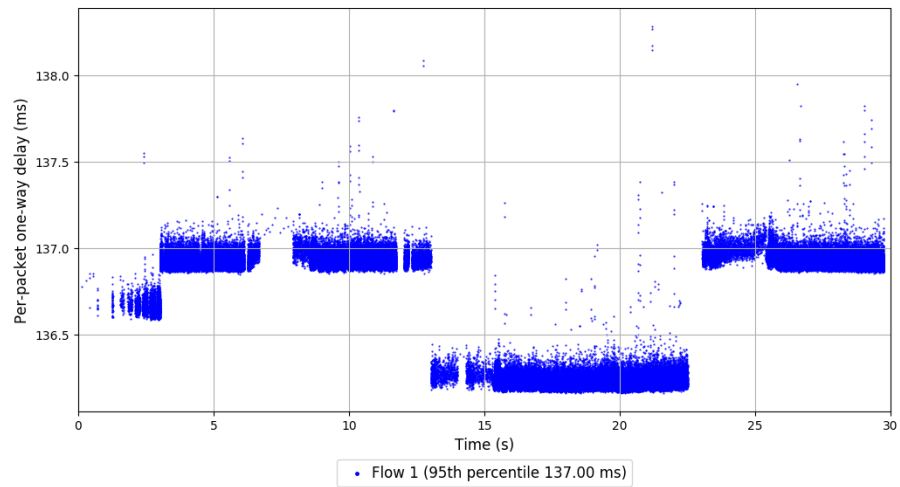
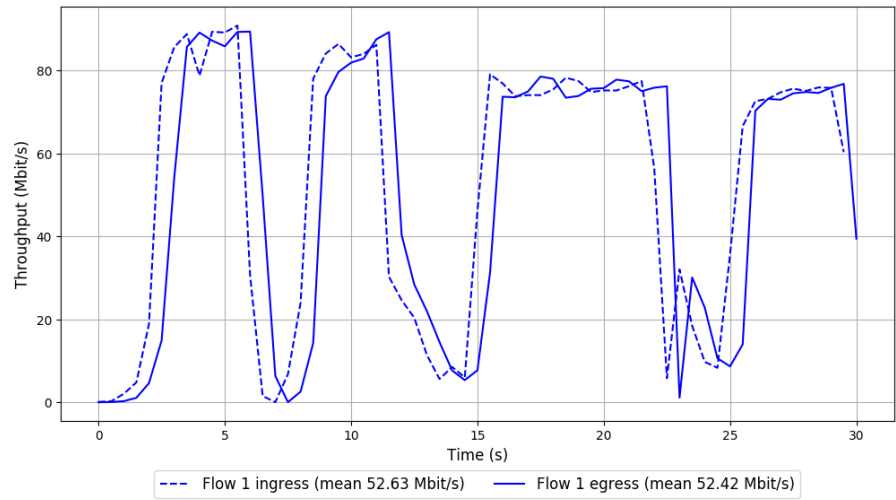
-- Flow 1:

Average throughput: 52.42 Mbit/s

95th percentile per-packet one-way delay: 136.999 ms

Loss rate: 1.31%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-26 00:30:45

End at: 2018-07-26 00:31:15

Local clock offset: -0.185 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-07-26 04:11:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.08 Mbit/s

95th percentile per-packet one-way delay: 135.782 ms

Loss rate: 1.25%

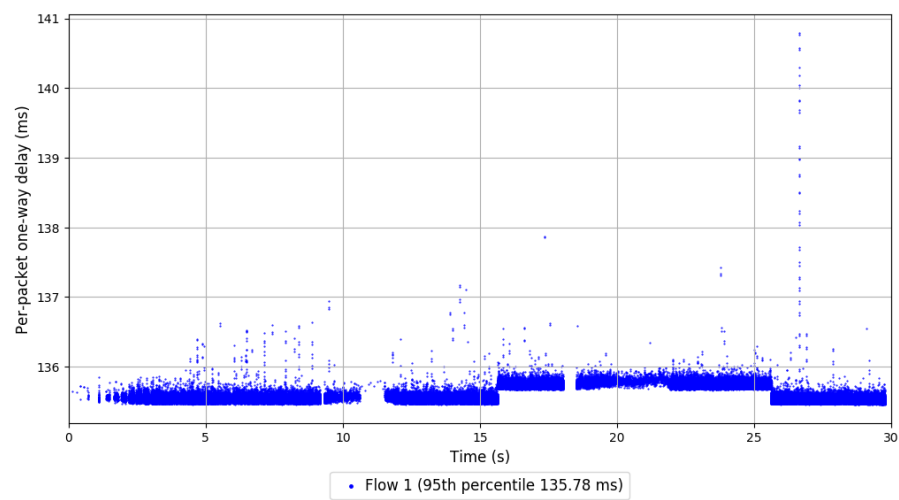
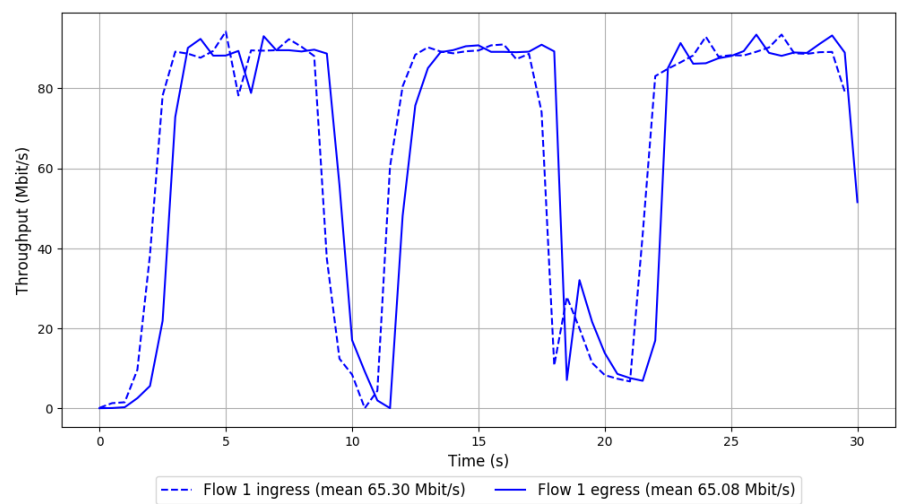
-- Flow 1:

Average throughput: 65.08 Mbit/s

95th percentile per-packet one-way delay: 135.782 ms

Loss rate: 1.25%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-26 00:53:37

End at: 2018-07-26 00:54:07

Local clock offset: -0.238 ms

Remote clock offset: 0.335 ms

Below is generated by plot.py at 2018-07-26 04:11:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.01 Mbit/s

95th percentile per-packet one-way delay: 135.334 ms

Loss rate: 1.32%

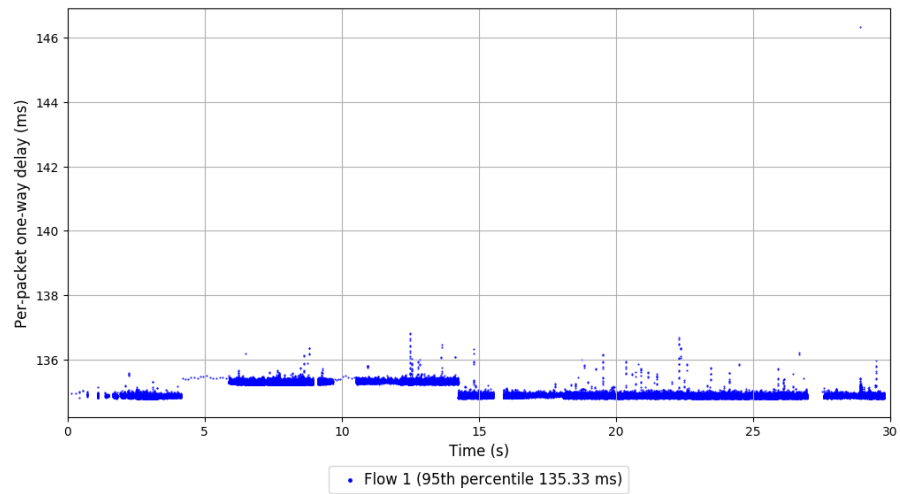
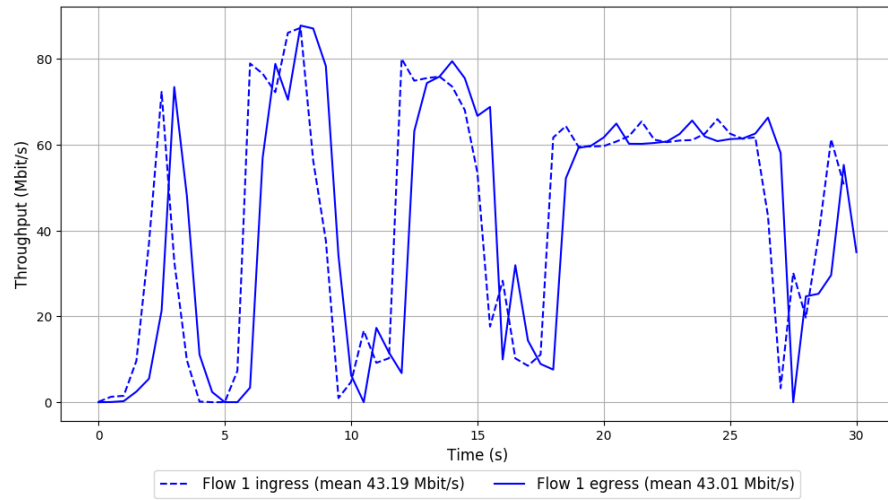
-- Flow 1:

Average throughput: 43.01 Mbit/s

95th percentile per-packet one-way delay: 135.334 ms

Loss rate: 1.32%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-26 01:16:28

End at: 2018-07-26 01:16:58

Local clock offset: -0.042 ms

Remote clock offset: 0.384 ms

Below is generated by plot.py at 2018-07-26 04:11:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.32 Mbit/s

95th percentile per-packet one-way delay: 135.845 ms

Loss rate: 1.44%

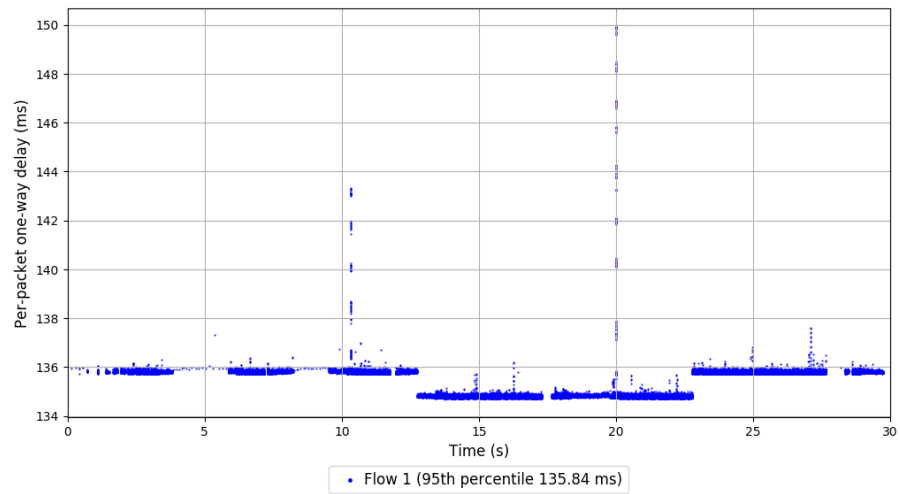
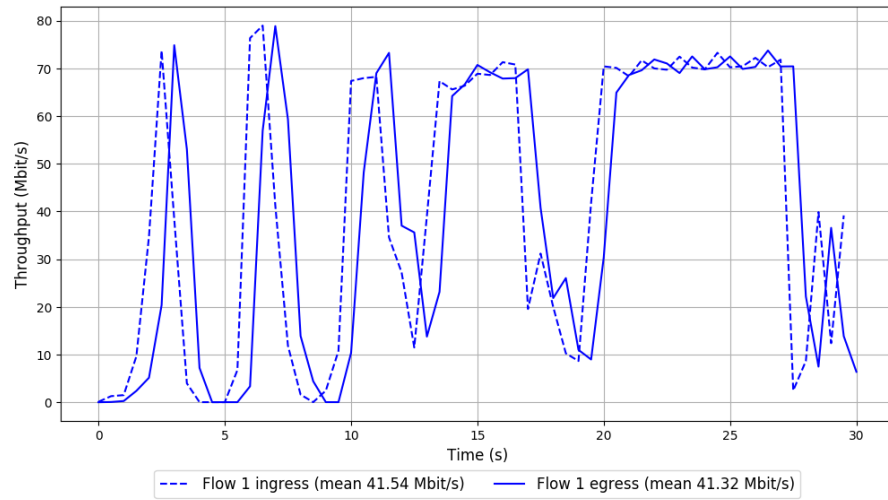
-- Flow 1:

Average throughput: 41.32 Mbit/s

95th percentile per-packet one-way delay: 135.845 ms

Loss rate: 1.44%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

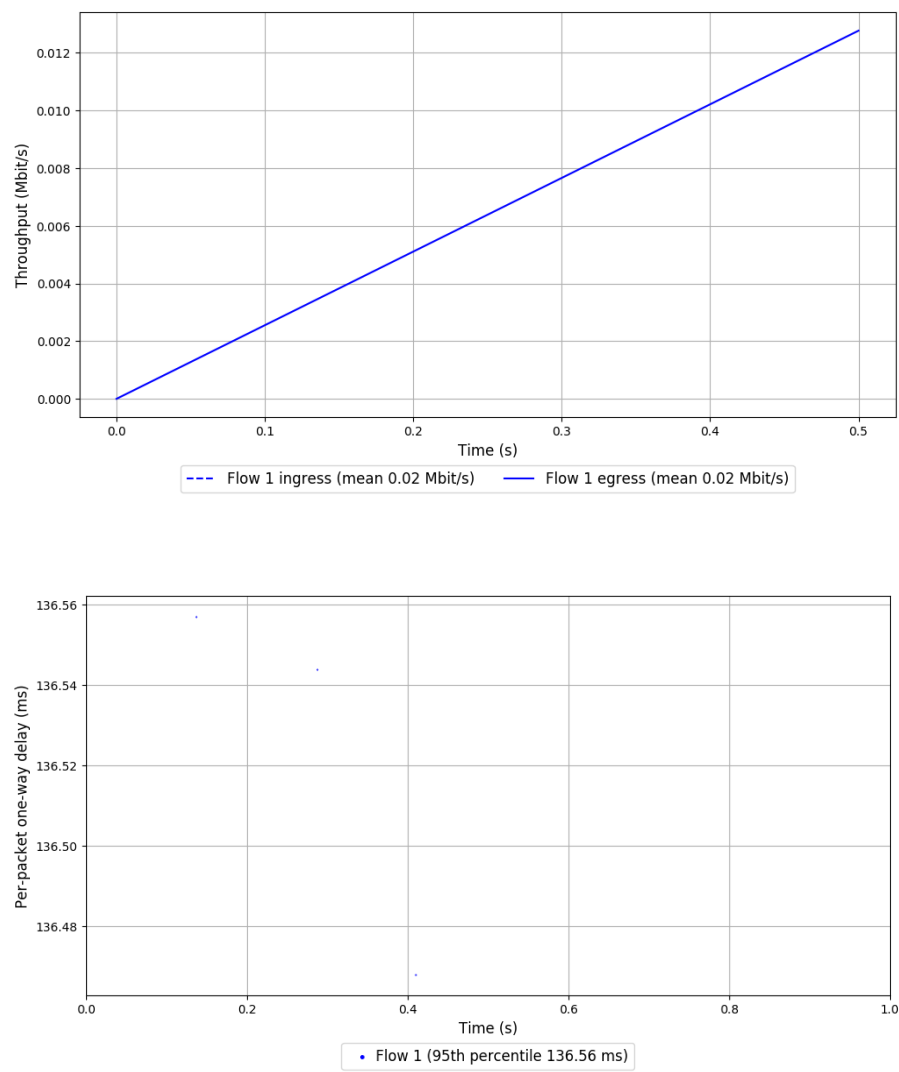
Start at: 2018-07-26 01:39:34

End at: 2018-07-26 01:40:04

Local clock offset: 0.188 ms

Remote clock offset: 0.34 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-26 02:02:12

End at: 2018-07-26 02:02:43

Local clock offset: 0.011 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-26 04:11:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.52 Mbit/s

95th percentile per-packet one-way delay: 136.220 ms

Loss rate: 1.13%

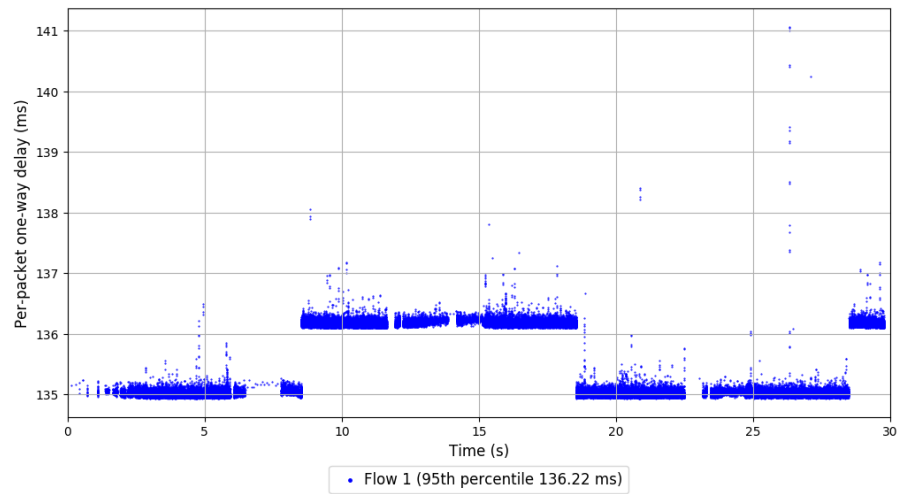
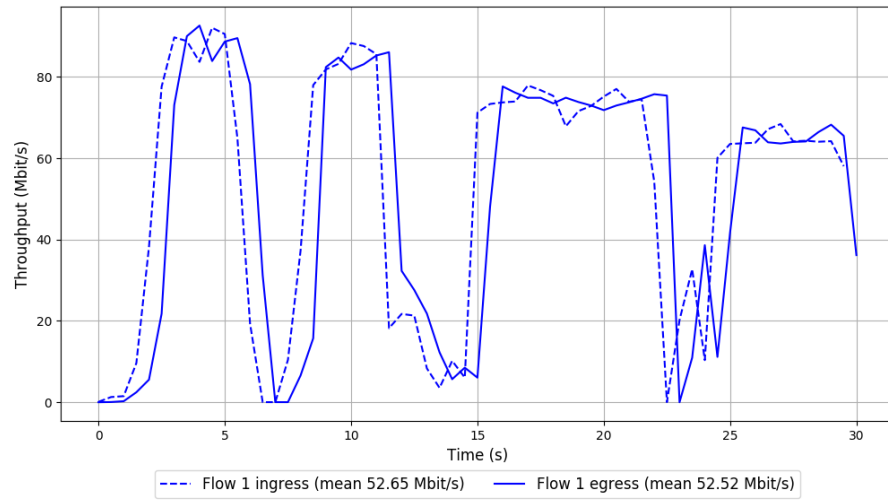
-- Flow 1:

Average throughput: 52.52 Mbit/s

95th percentile per-packet one-way delay: 136.220 ms

Loss rate: 1.13%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-26 02:24:57

End at: 2018-07-26 02:25:27

Local clock offset: 1.838 ms

Remote clock offset: 0.035 ms

Below is generated by plot.py at 2018-07-26 04:11:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.36 Mbit/s

95th percentile per-packet one-way delay: 137.985 ms

Loss rate: 1.30%

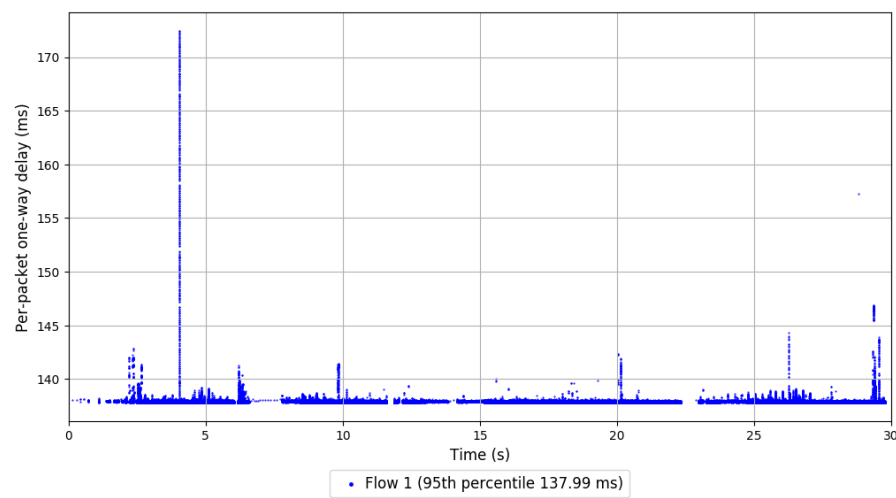
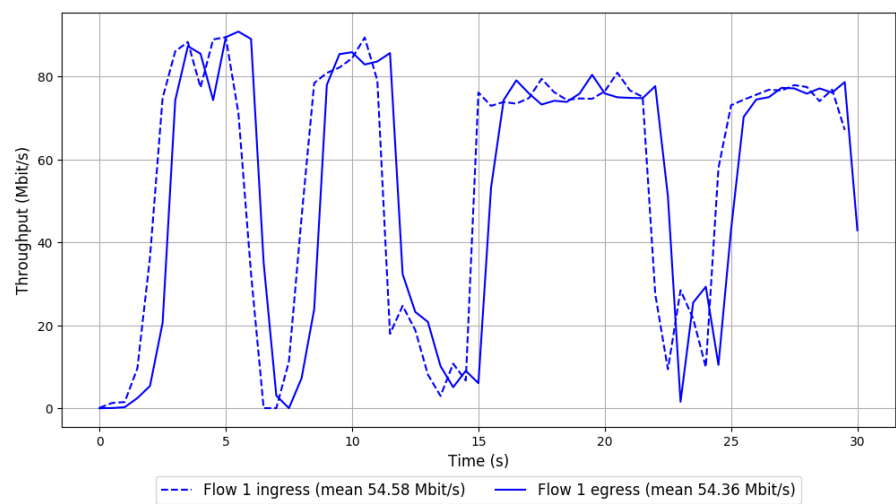
-- Flow 1:

Average throughput: 54.36 Mbit/s

95th percentile per-packet one-way delay: 137.985 ms

Loss rate: 1.30%

Run 10: Report of QUIC Cubic — Data Link

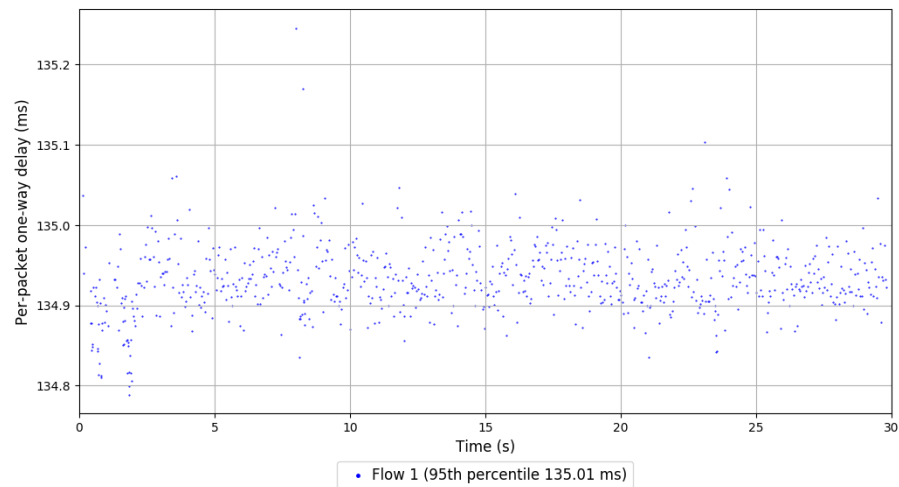
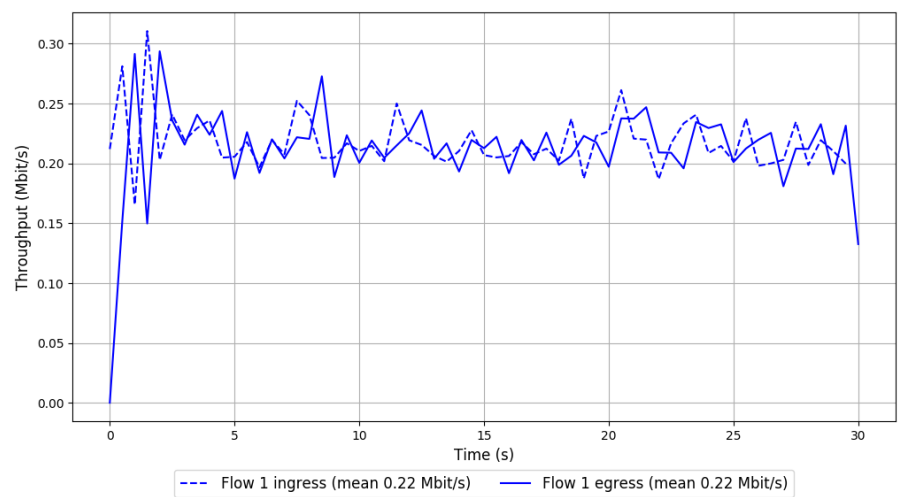


```
Run 1: Statistics of SCReAM

Start at: 2018-07-25 22:56:41
End at: 2018-07-25 22:57:11
Local clock offset: 0.232 ms
Remote clock offset: 0.324 ms

# Below is generated by plot.py at 2018-07-26 04:11:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.006 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.006 ms
Loss rate: 0.89%
```


Run 1: Report of SReAM — Data Link

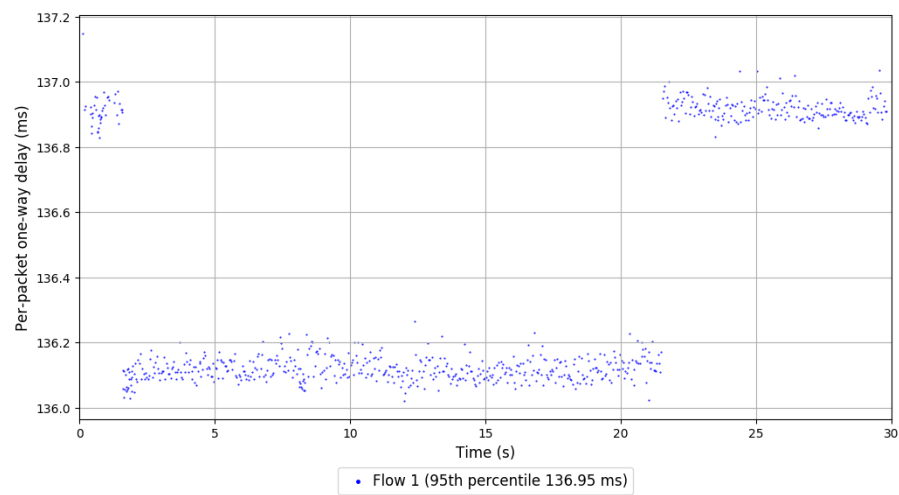
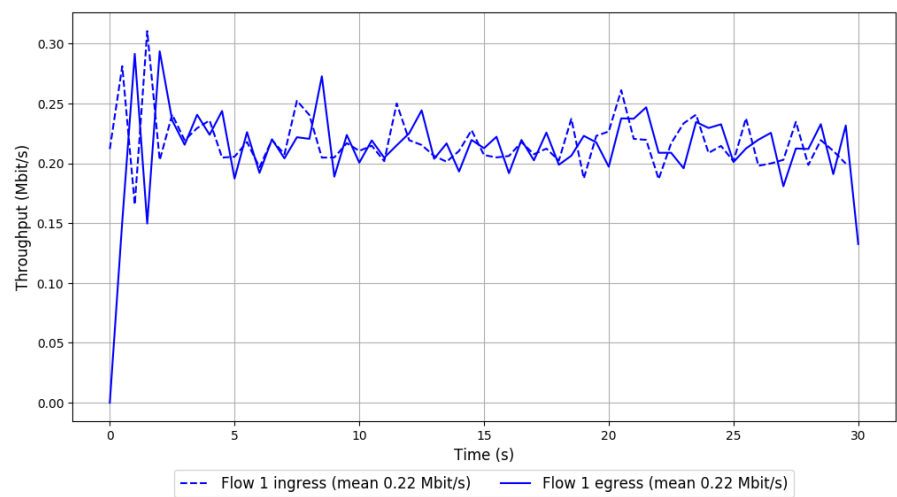


Run 2: Statistics of SCReAM

Start at: 2018-07-25 23:19:19
End at: 2018-07-25 23:19:49
Local clock offset: 0.231 ms
Remote clock offset: -0.413 ms

Below is generated by plot.py at 2018-07-26 04:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.953 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.953 ms
Loss rate: 0.89%

Run 2: Report of SReAM — Data Link

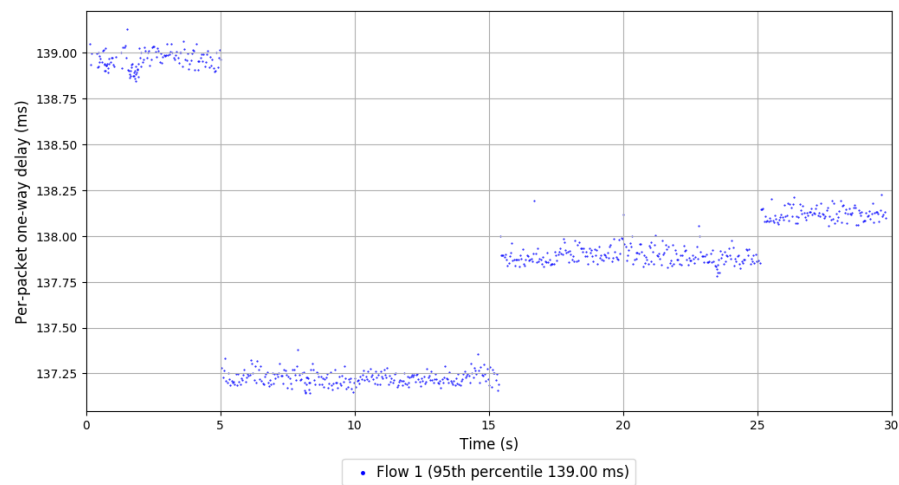
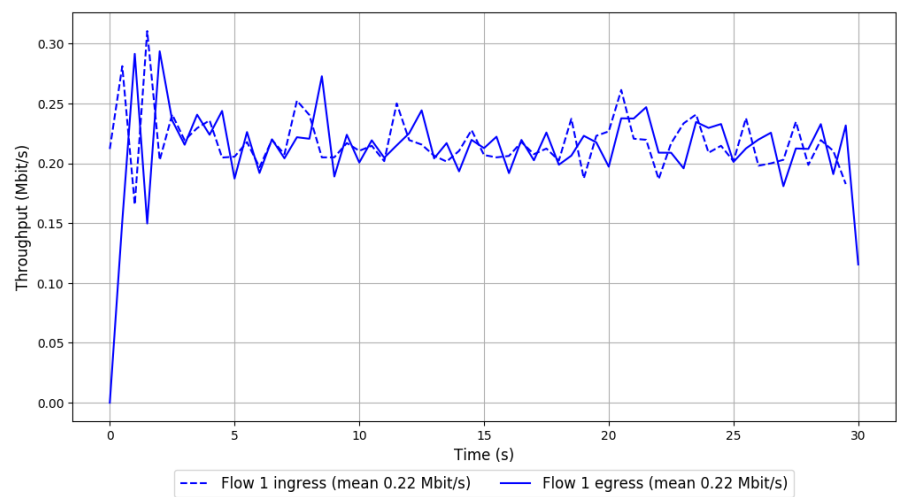


Run 3: Statistics of SCReAM

Start at: 2018-07-25 23:42:16
End at: 2018-07-25 23:42:46
Local clock offset: 1.992 ms
Remote clock offset: -0.385 ms

Below is generated by plot.py at 2018-07-26 04:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 138.998 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 138.998 ms
Loss rate: 0.89%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-07-26 00:05:18

End at: 2018-07-26 00:05:48

Local clock offset: 1.849 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-07-26 04:11:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 138.584 ms

Loss rate: 0.89%

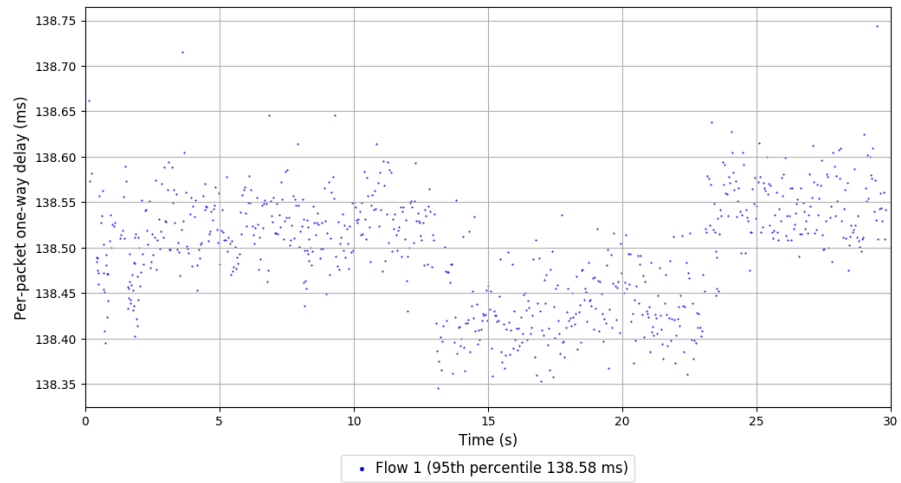
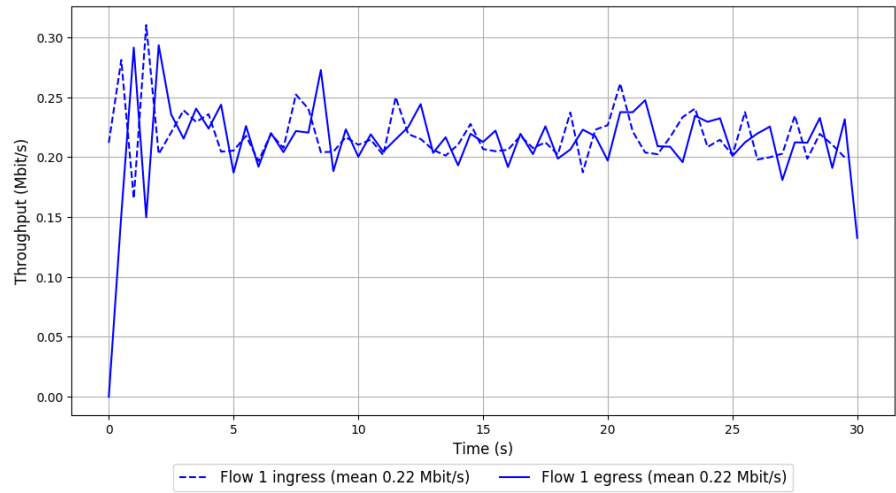
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 138.584 ms

Loss rate: 0.89%

Run 4: Report of SReAM — Data Link

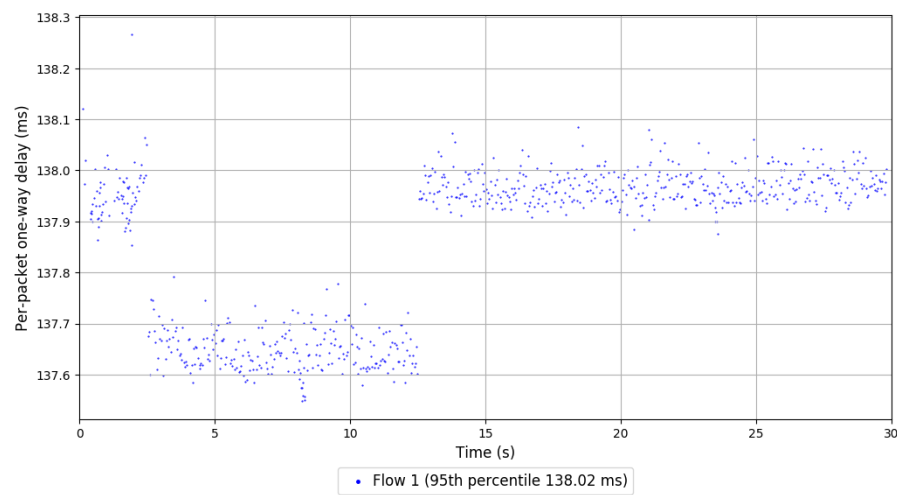
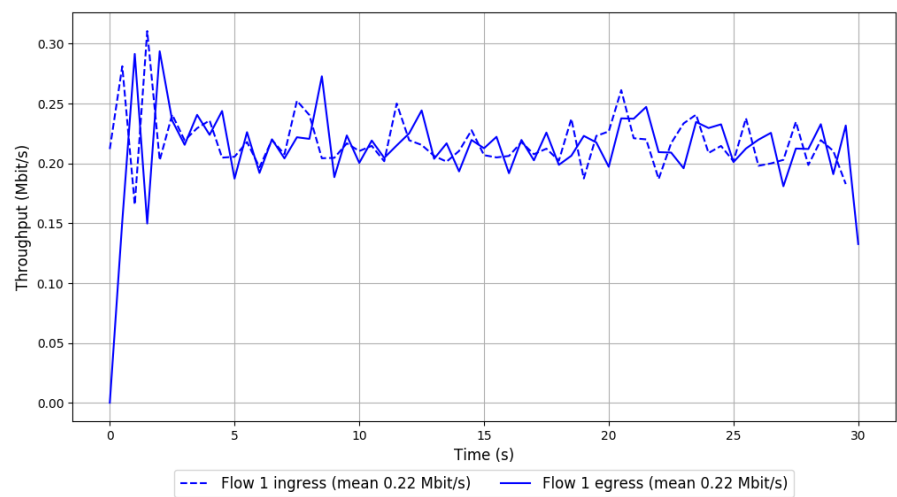


Run 5: Statistics of SCReAM

Start at: 2018-07-26 00:28:18
End at: 2018-07-26 00:28:49
Local clock offset: 1.809 ms
Remote clock offset: -0.363 ms

Below is generated by plot.py at 2018-07-26 04:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 138.017 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 138.017 ms
Loss rate: 0.76%

Run 5: Report of SReAM — Data Link

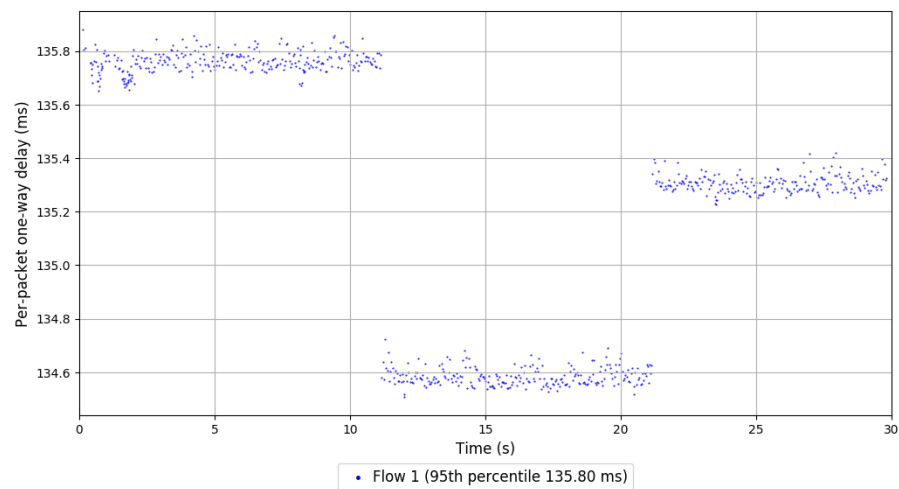
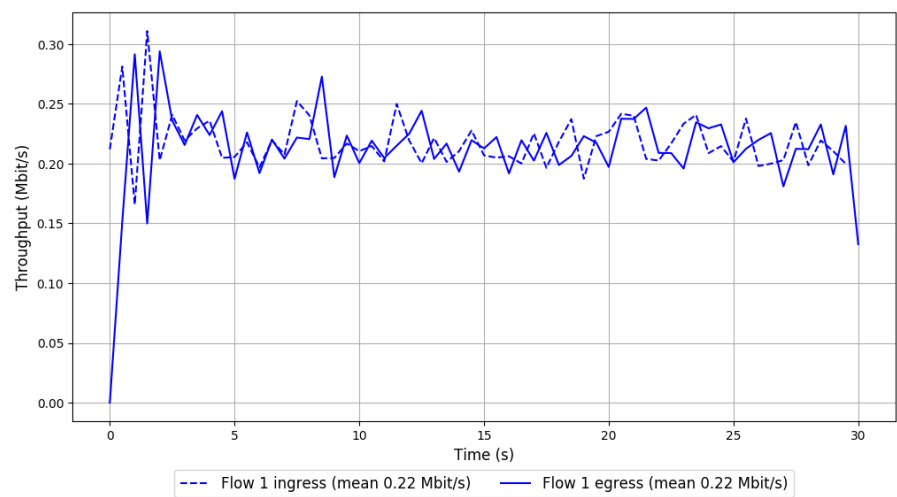


Run 6: Statistics of SCReAM

Start at: 2018-07-26 00:51:10
End at: 2018-07-26 00:51:40
Local clock offset: -0.136 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-26 04:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.804 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.804 ms
Loss rate: 0.89%

Run 6: Report of SReAM — Data Link

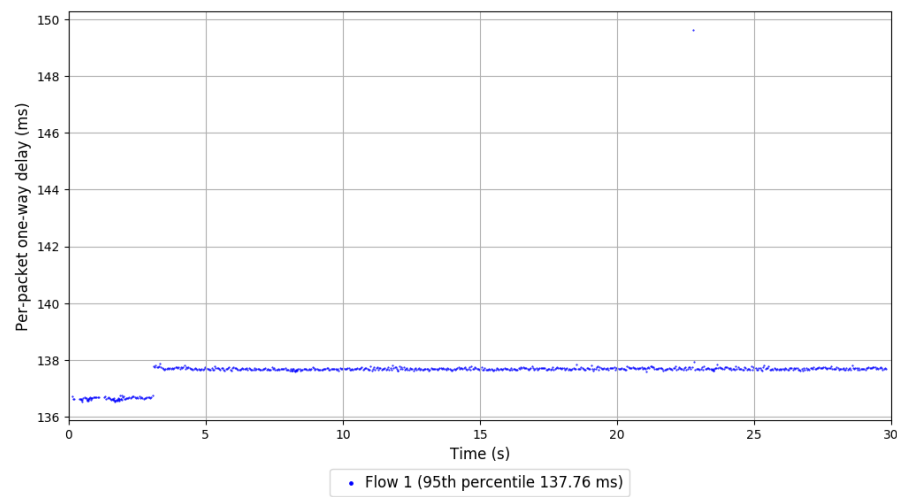
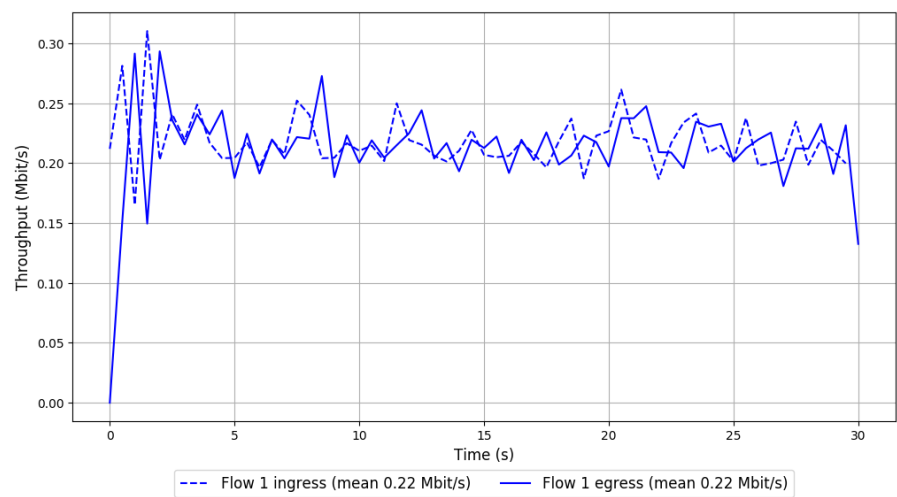


Run 7: Statistics of SCReAM

Start at: 2018-07-26 01:13:58
End at: 2018-07-26 01:14:28
Local clock offset: 1.85 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-26 04:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.757 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.757 ms
Loss rate: 0.89%

Run 7: Report of SReAM — Data Link

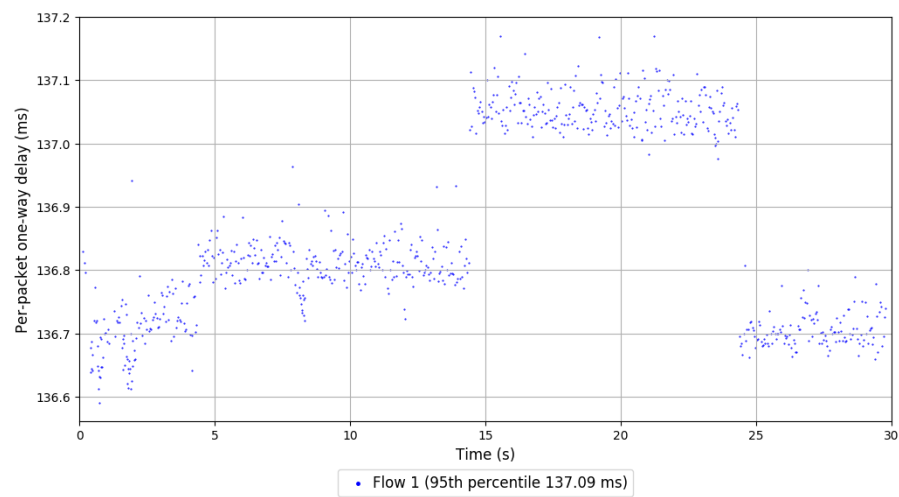
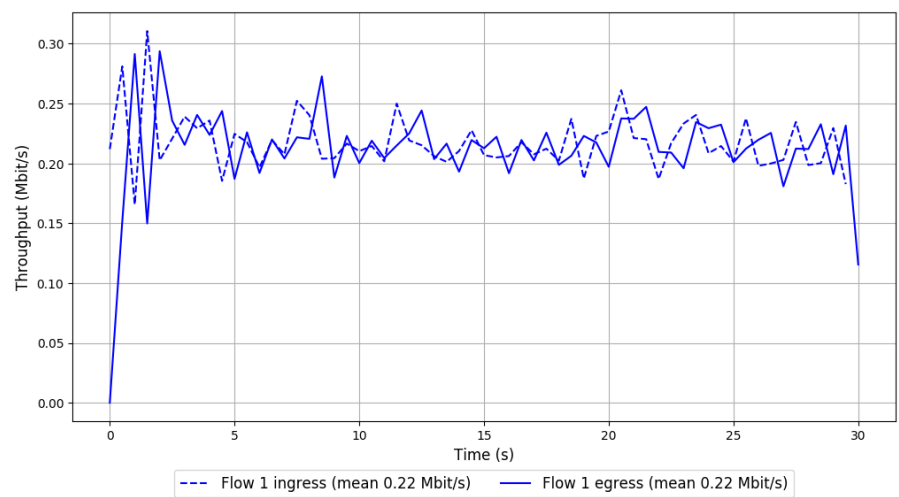


Run 8: Statistics of SCReAM

Start at: 2018-07-26 01:37:07
End at: 2018-07-26 01:37:37
Local clock offset: 0.077 ms
Remote clock offset: -0.337 ms

Below is generated by plot.py at 2018-07-26 04:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.088 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.088 ms
Loss rate: 0.89%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-07-26 01:59:46

End at: 2018-07-26 02:00:16

Local clock offset: -0.104 ms

Remote clock offset: 0.33 ms

Below is generated by plot.py at 2018-07-26 04:11:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.070 ms

Loss rate: 0.76%

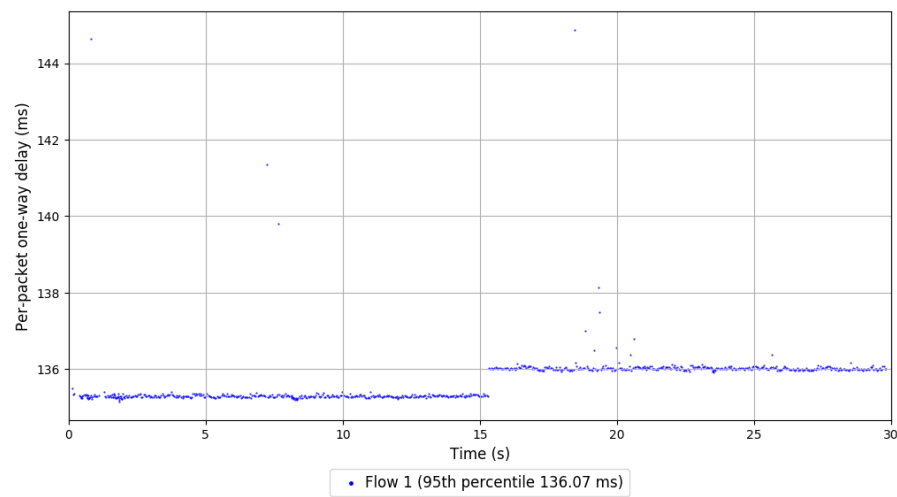
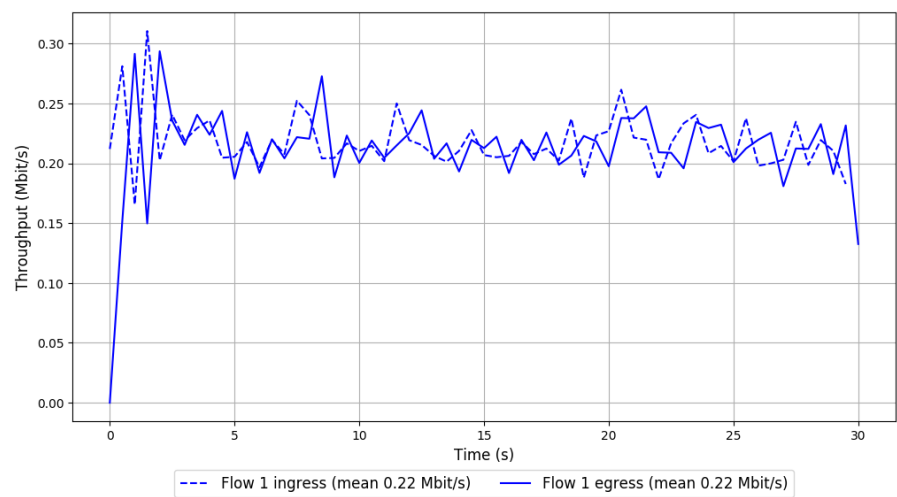
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.070 ms

Loss rate: 0.76%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-07-26 02:22:30

End at: 2018-07-26 02:23:00

Local clock offset: 0.019 ms

Remote clock offset: -0.355 ms

Below is generated by plot.py at 2018-07-26 04:11:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.053 ms

Loss rate: 0.89%

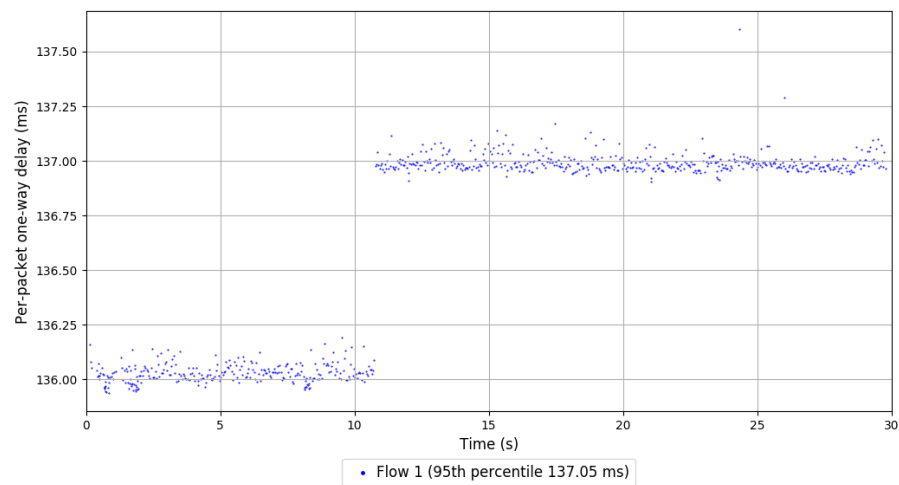
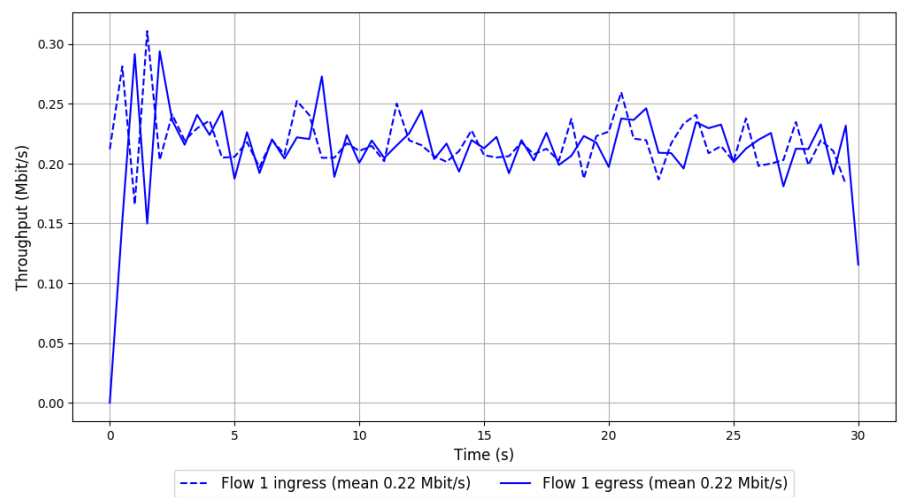
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.053 ms

Loss rate: 0.89%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-25 22:55:33

End at: 2018-07-25 22:56:03

Local clock offset: 2.0 ms

Remote clock offset: 0.272 ms

Below is generated by plot.py at 2018-07-26 04:11:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 138.017 ms

Loss rate: 0.98%

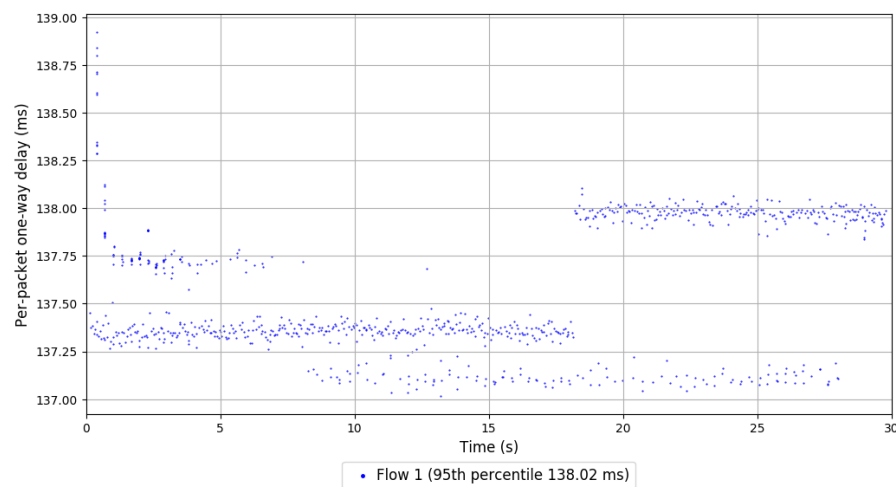
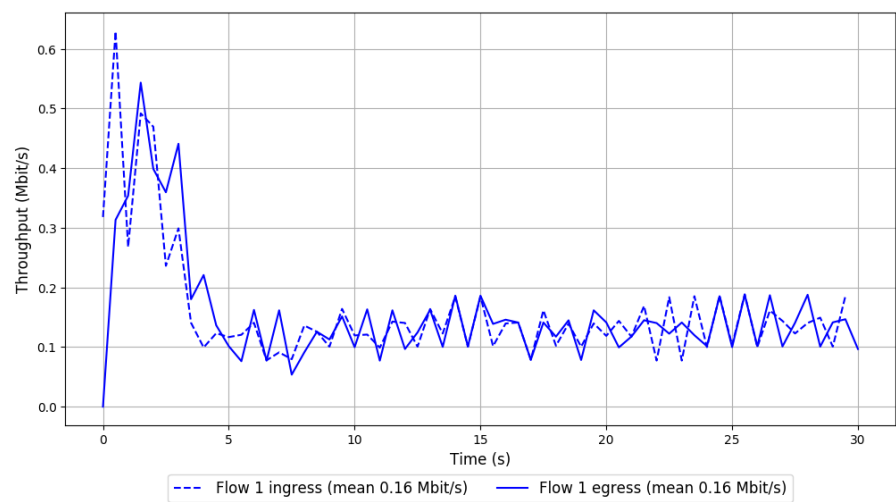
-- Flow 1:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 138.017 ms

Loss rate: 0.98%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-07-25 23:18:11

End at: 2018-07-25 23:18:41

Local clock offset: 1.799 ms

Remote clock offset: 0.312 ms

Below is generated by plot.py at 2018-07-26 04:11:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 137.632 ms

Loss rate: 0.86%

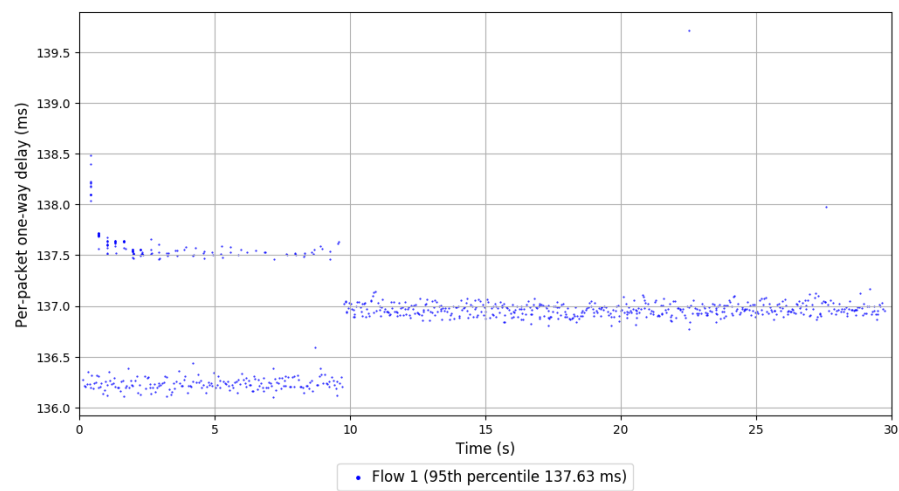
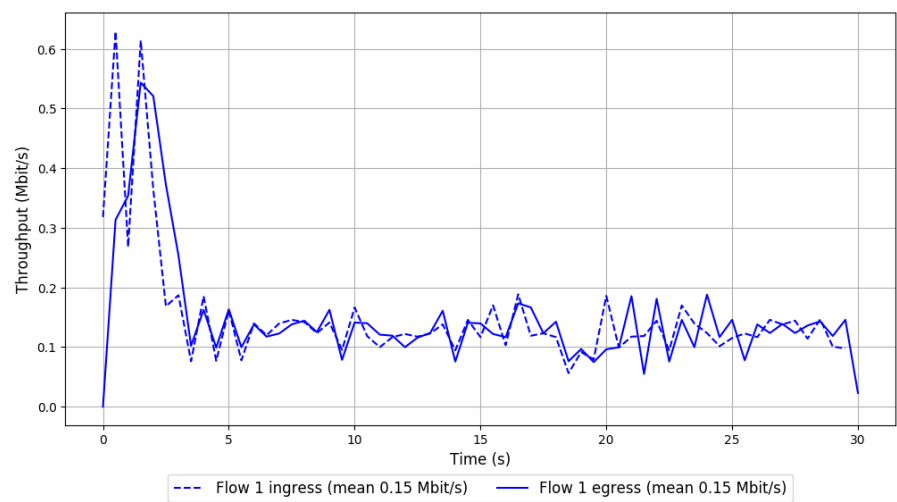
-- Flow 1:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 137.632 ms

Loss rate: 0.86%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-07-25 23:41:08

End at: 2018-07-25 23:41:38

Local clock offset: 1.895 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-07-26 04:11:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 138.660 ms

Loss rate: 0.26%

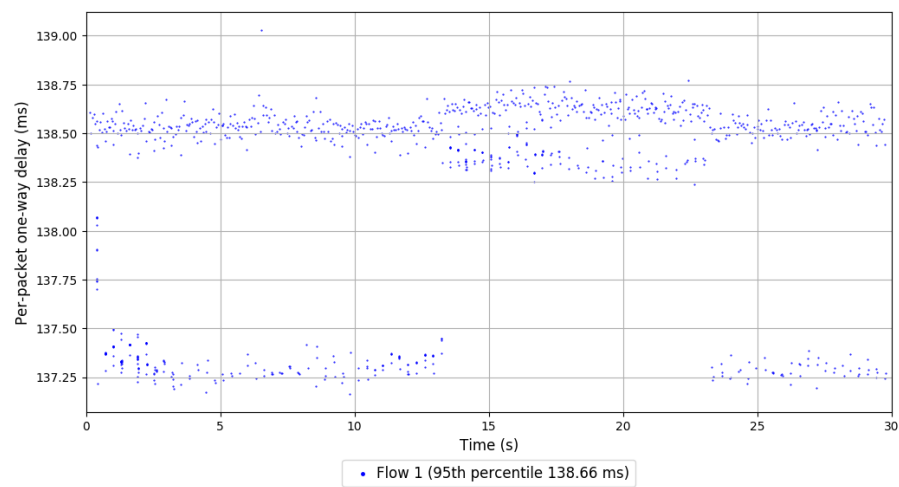
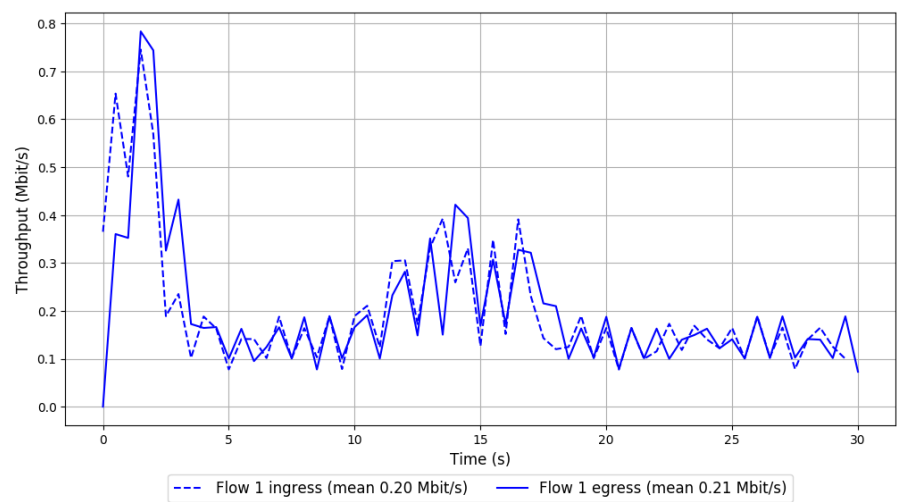
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 138.660 ms

Loss rate: 0.26%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-07-26 00:04:10

End at: 2018-07-26 00:04:40

Local clock offset: 1.847 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-07-26 04:11:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 138.411 ms

Loss rate: 0.55%

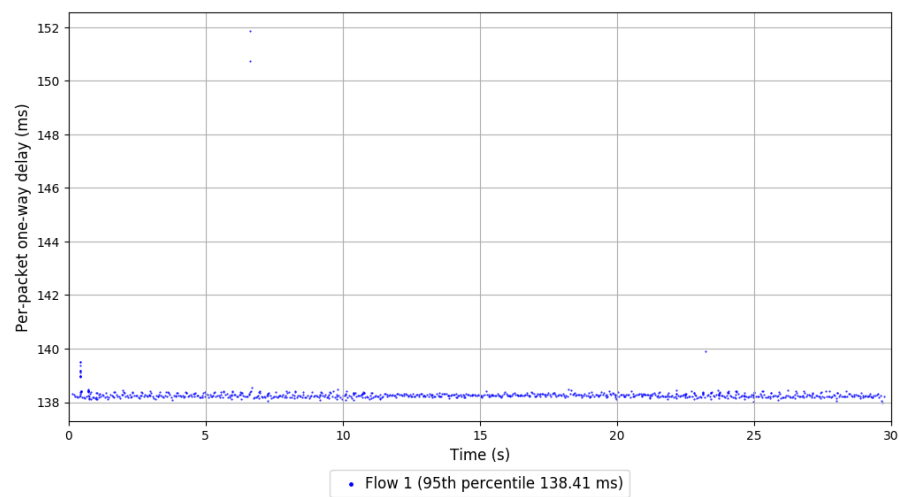
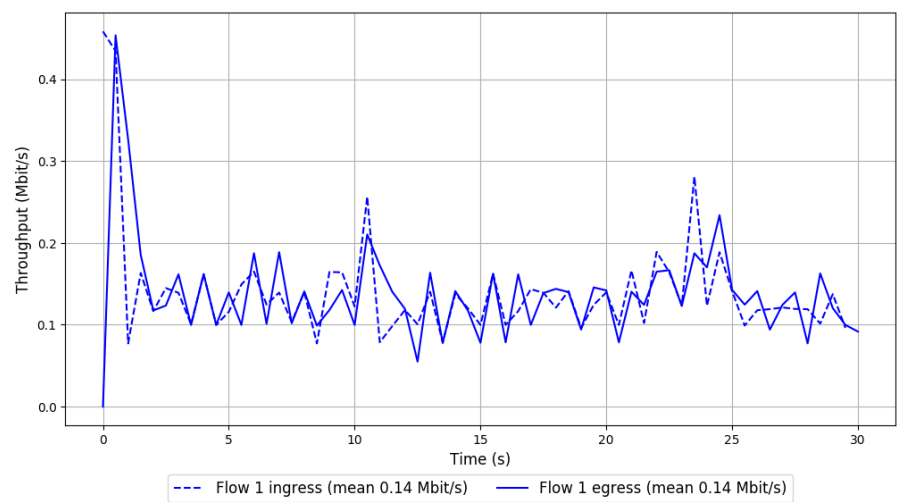
-- Flow 1:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 138.411 ms

Loss rate: 0.55%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-07-26 00:27:10

End at: 2018-07-26 00:27:40

Local clock offset: -0.177 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-26 04:11:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 136.098 ms

Loss rate: 0.71%

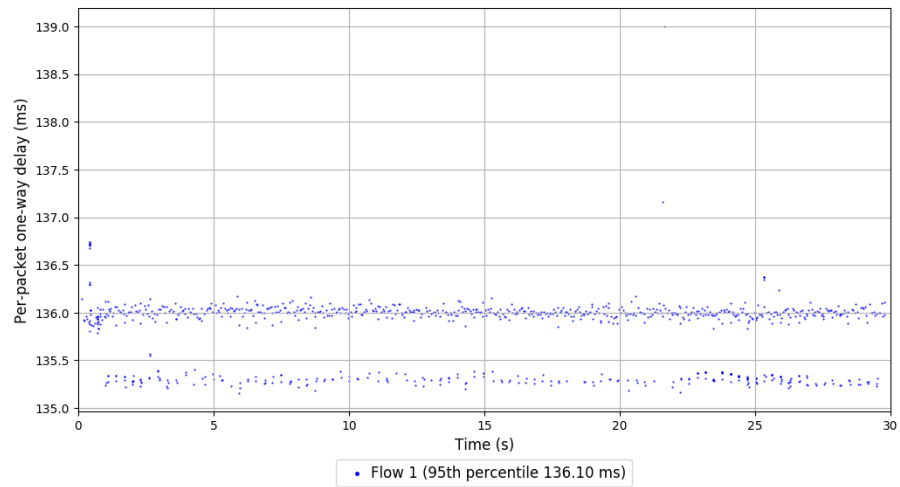
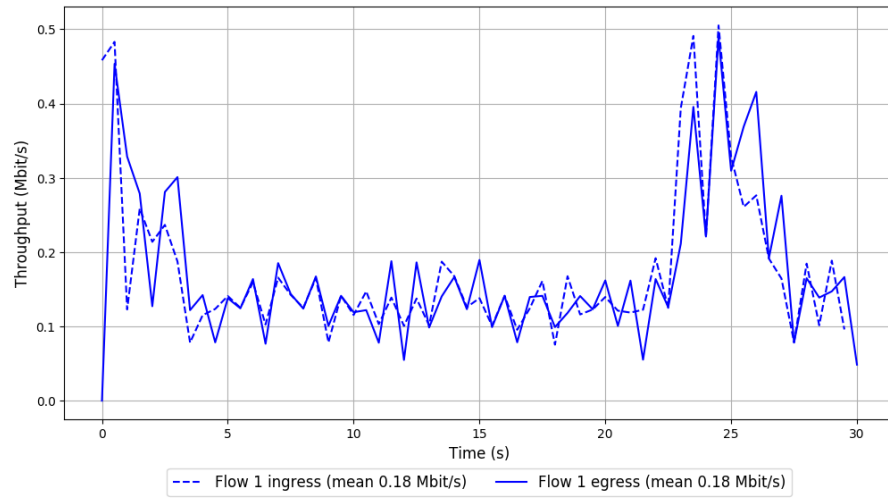
-- Flow 1:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 136.098 ms

Loss rate: 0.71%

Run 5: Report of Sprout — Data Link

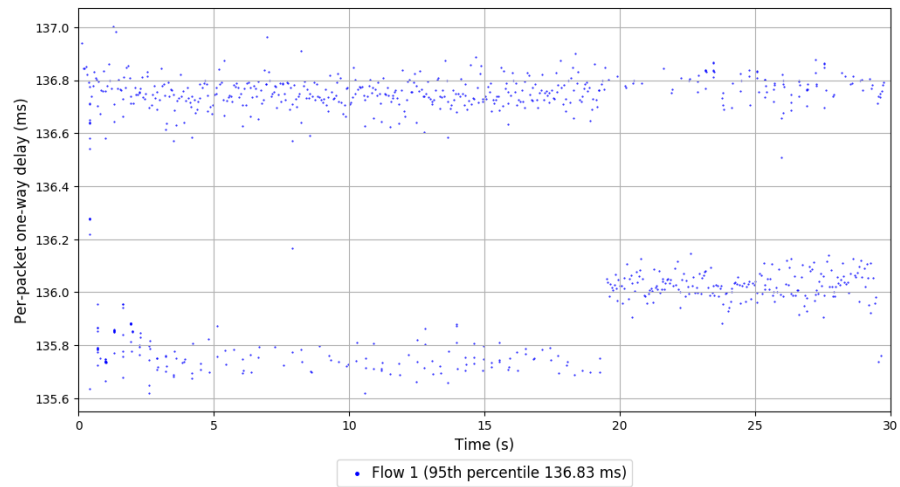
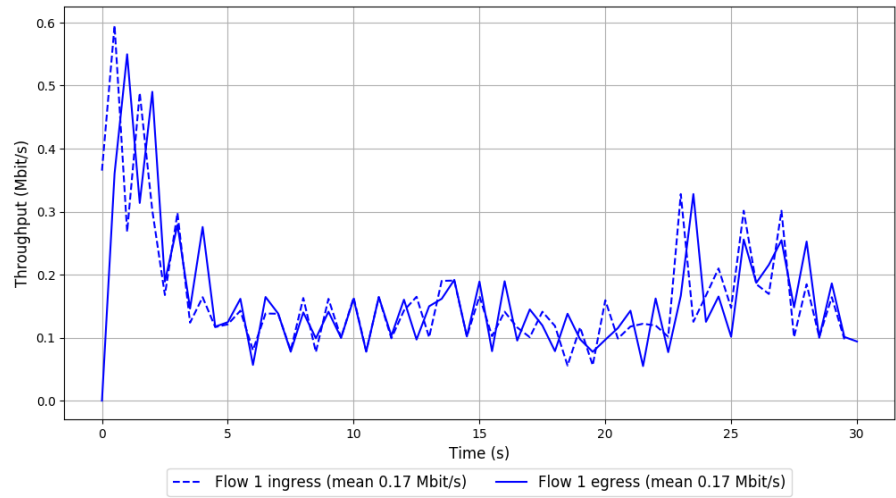


Run 6: Statistics of Sprout

Start at: 2018-07-26 00:50:02
End at: 2018-07-26 00:50:32
Local clock offset: -0.089 ms
Remote clock offset: -0.352 ms

Below is generated by plot.py at 2018-07-26 04:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.833 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.833 ms
Loss rate: 0.72%

Run 6: Report of Sprout — Data Link

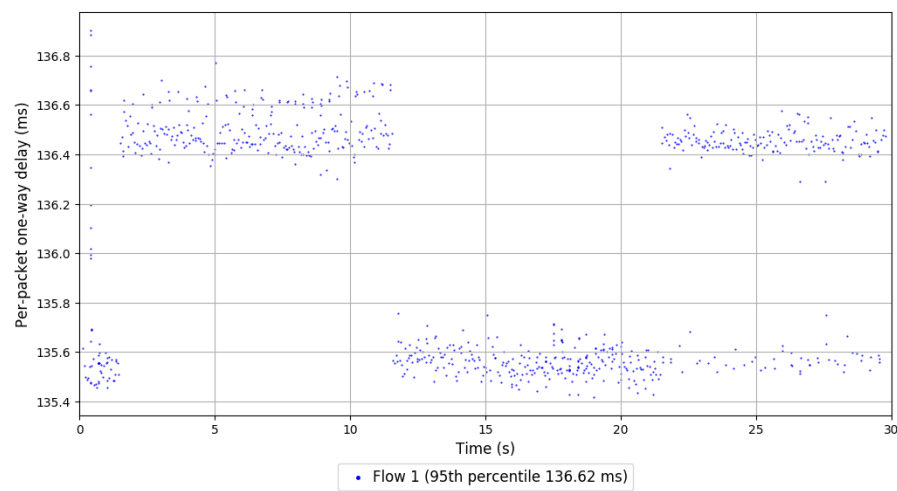
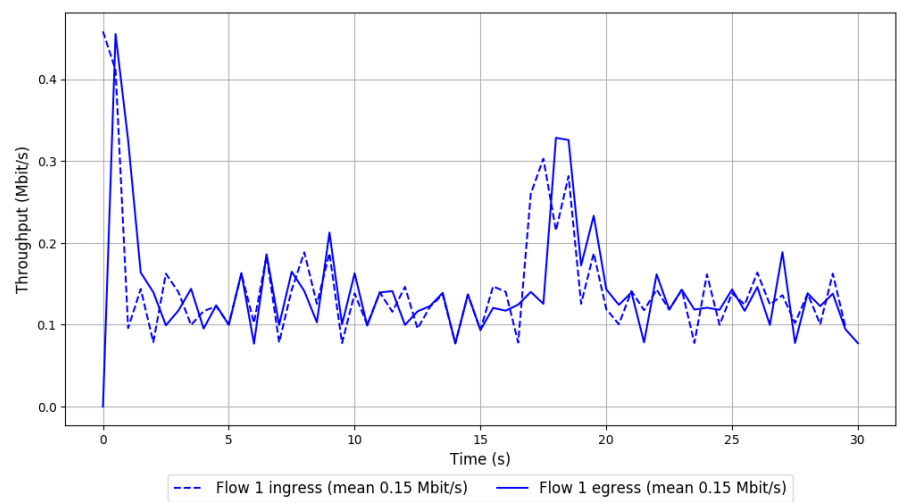


Run 7: Statistics of Sprout

Start at: 2018-07-26 01:12:50
End at: 2018-07-26 01:13:20
Local clock offset: 0.165 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-26 04:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.621 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.621 ms
Loss rate: 1.06%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-07-26 01:35:58

End at: 2018-07-26 01:36:28

Local clock offset: 0.147 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-07-26 04:11:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 136.722 ms

Loss rate: 1.03%

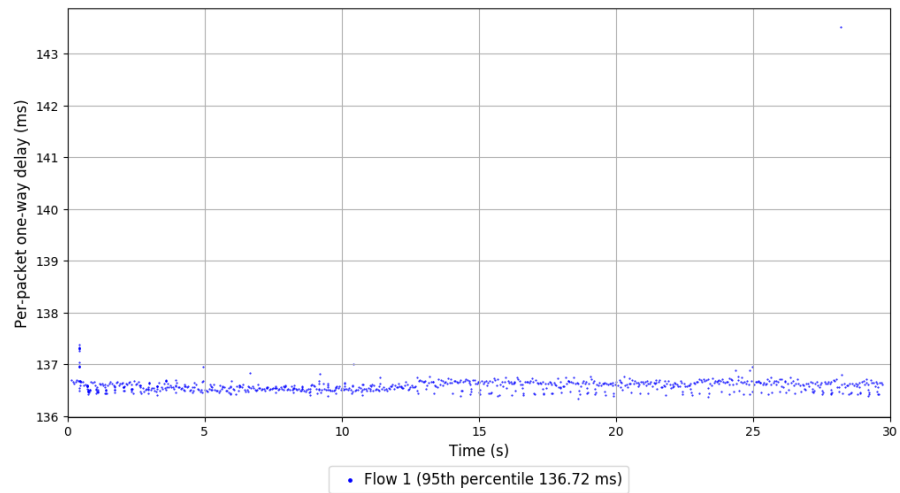
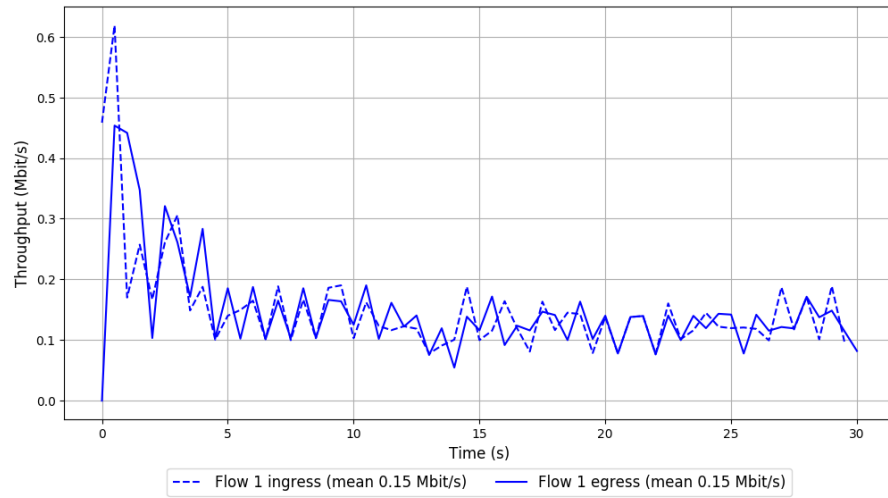
-- Flow 1:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 136.722 ms

Loss rate: 1.03%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-07-26 01:58:37

End at: 2018-07-26 01:59:07

Local clock offset: -0.003 ms

Remote clock offset: 0.047 ms

Below is generated by plot.py at 2018-07-26 04:11:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 136.401 ms

Loss rate: 0.94%

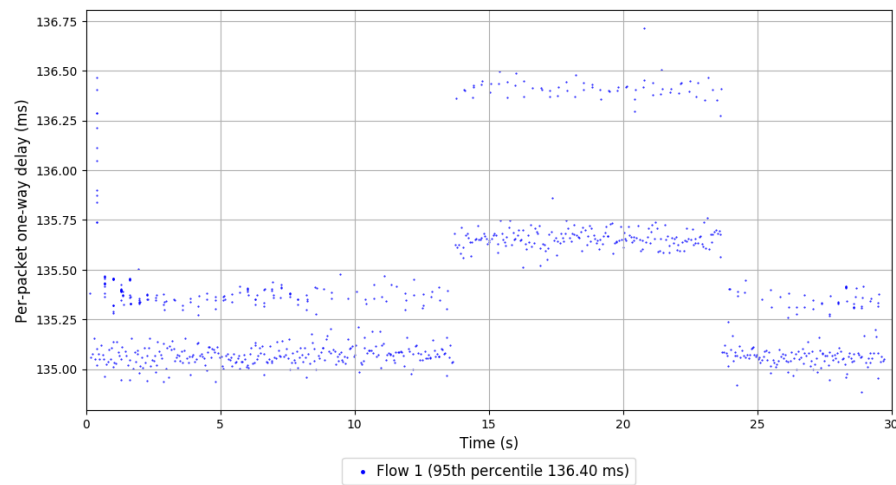
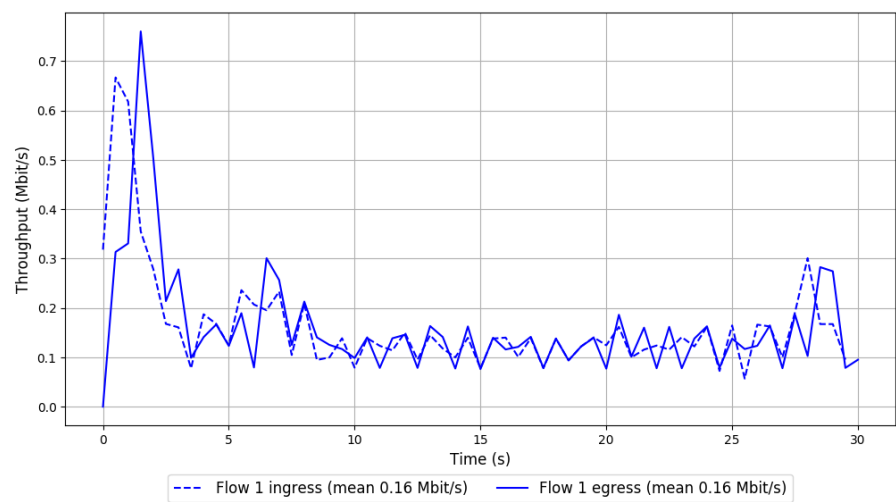
-- Flow 1:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 136.401 ms

Loss rate: 0.94%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-26 02:21:22

End at: 2018-07-26 02:21:52

Local clock offset: -0.022 ms

Remote clock offset: 0.346 ms

Below is generated by plot.py at 2018-07-26 04:11:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 136.093 ms

Loss rate: 0.35%

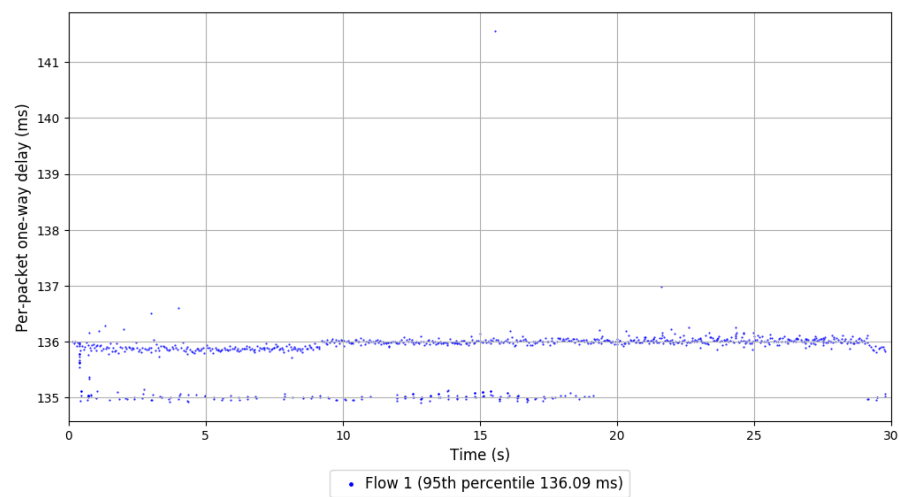
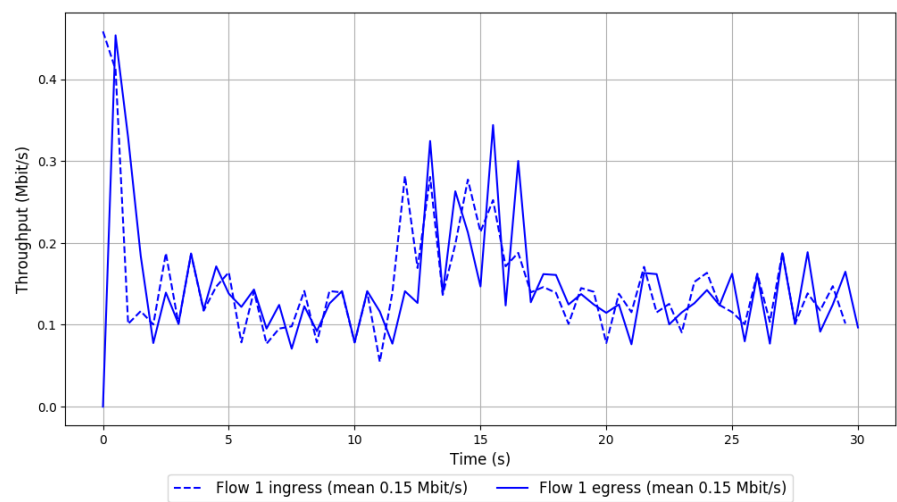
-- Flow 1:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 136.093 ms

Loss rate: 0.35%

Run 10: Report of Sprout — Data Link

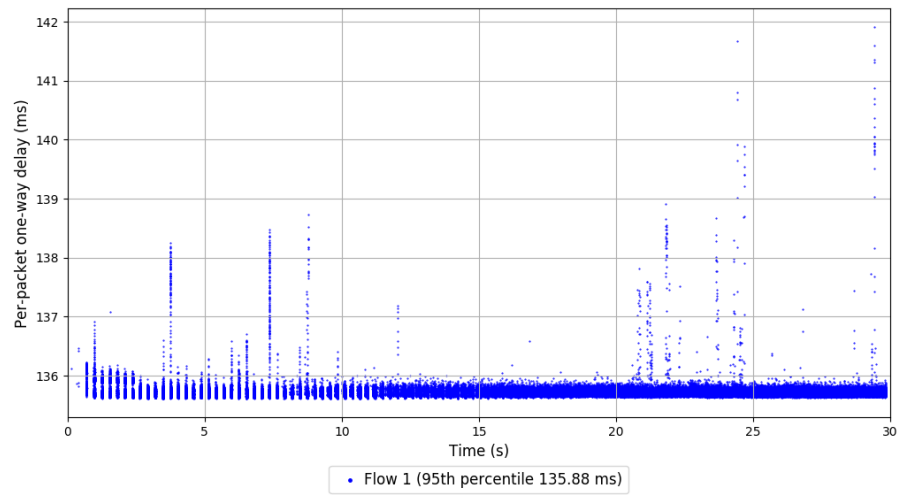
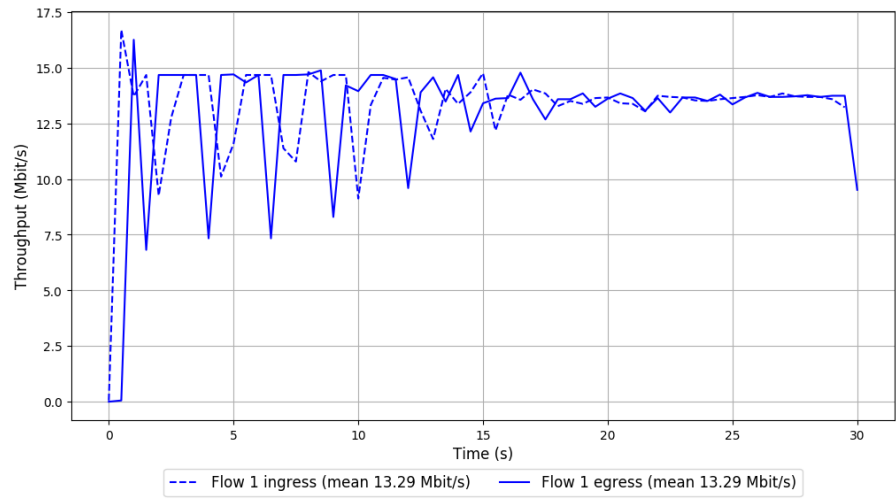


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-25 22:46:59
End at: 2018-07-25 22:47:29
Local clock offset: -0.165 ms
Remote clock offset: -0.077 ms

# Below is generated by plot.py at 2018-07-26 04:11:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.29 Mbit/s
95th percentile per-packet one-way delay: 135.880 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 13.29 Mbit/s
95th percentile per-packet one-way delay: 135.880 ms
Loss rate: 0.91%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-25 23:09:34

End at: 2018-07-25 23:10:04

Local clock offset: 1.933 ms

Remote clock offset: 0.229 ms

Below is generated by plot.py at 2018-07-26 04:15:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 198.33 Mbit/s

95th percentile per-packet one-way delay: 137.623 ms

Loss rate: 0.67%

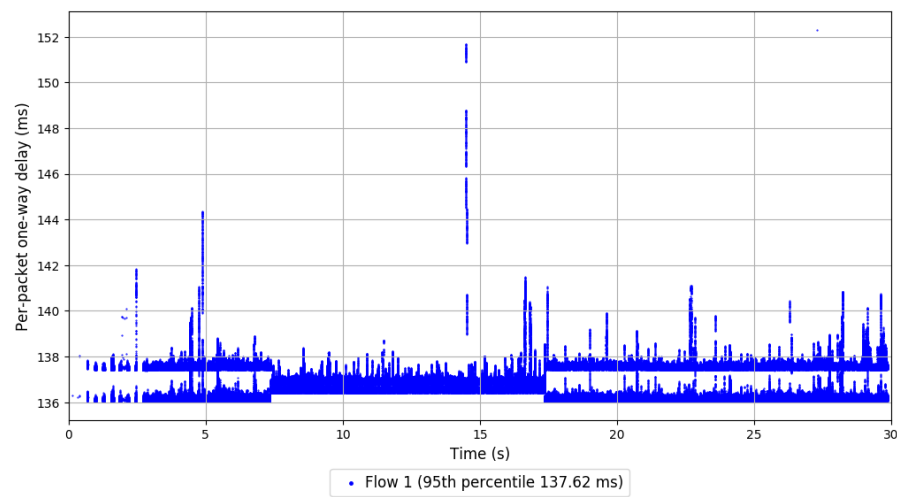
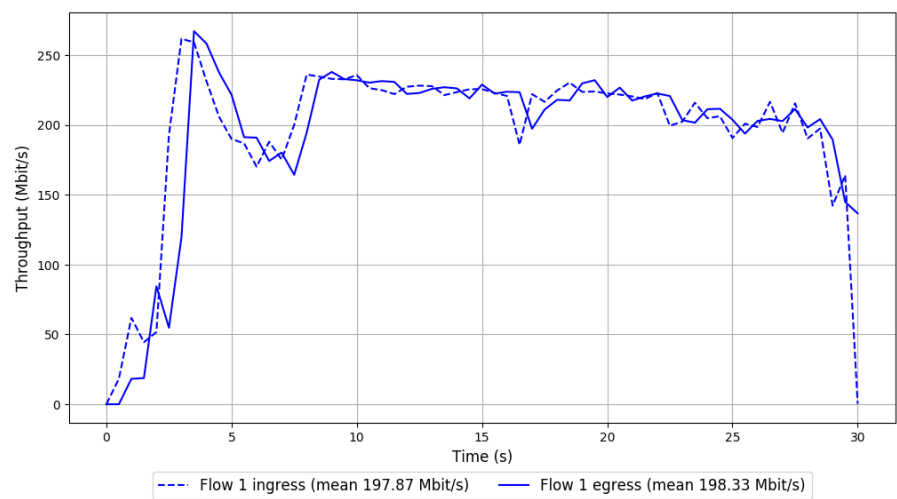
-- Flow 1:

Average throughput: 198.33 Mbit/s

95th percentile per-packet one-way delay: 137.623 ms

Loss rate: 0.67%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-25 23:32:12

End at: 2018-07-25 23:32:42

Local clock offset: 1.846 ms

Remote clock offset: -0.362 ms

Below is generated by plot.py at 2018-07-26 04:15:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.12 Mbit/s

95th percentile per-packet one-way delay: 138.388 ms

Loss rate: 1.05%

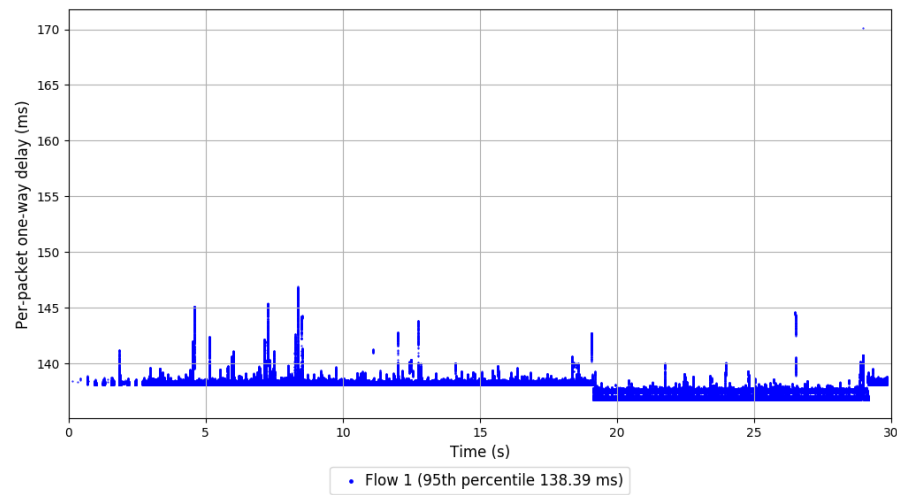
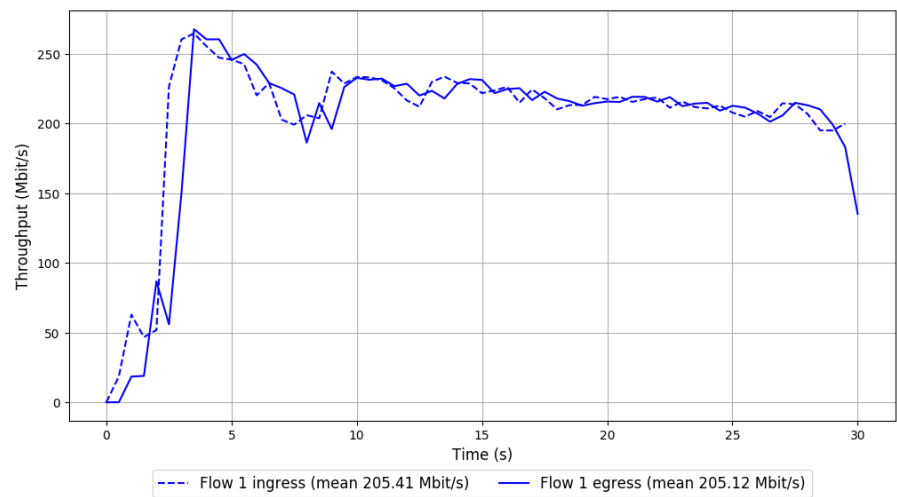
-- Flow 1:

Average throughput: 205.12 Mbit/s

95th percentile per-packet one-way delay: 138.388 ms

Loss rate: 1.05%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-25 23:55:23

End at: 2018-07-25 23:55:53

Local clock offset: 0.104 ms

Remote clock offset: -0.324 ms

Below is generated by plot.py at 2018-07-26 04:15:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.01 Mbit/s

95th percentile per-packet one-way delay: 137.140 ms

Loss rate: 1.13%

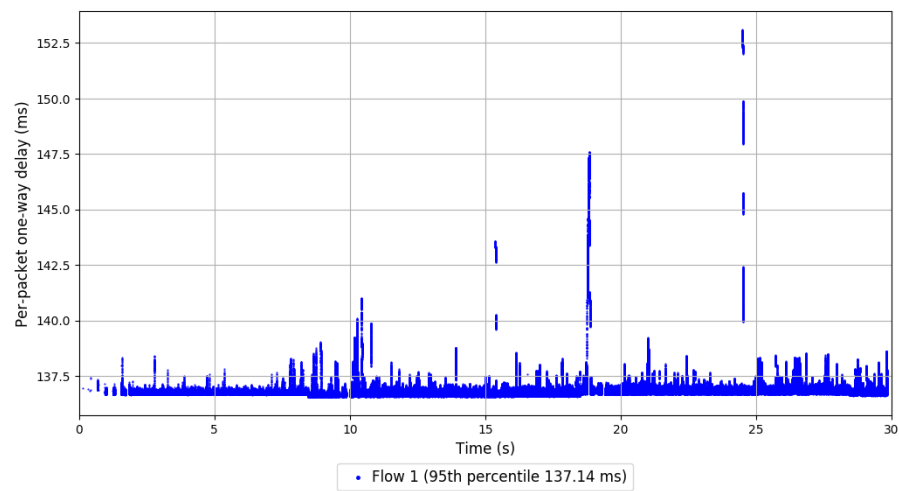
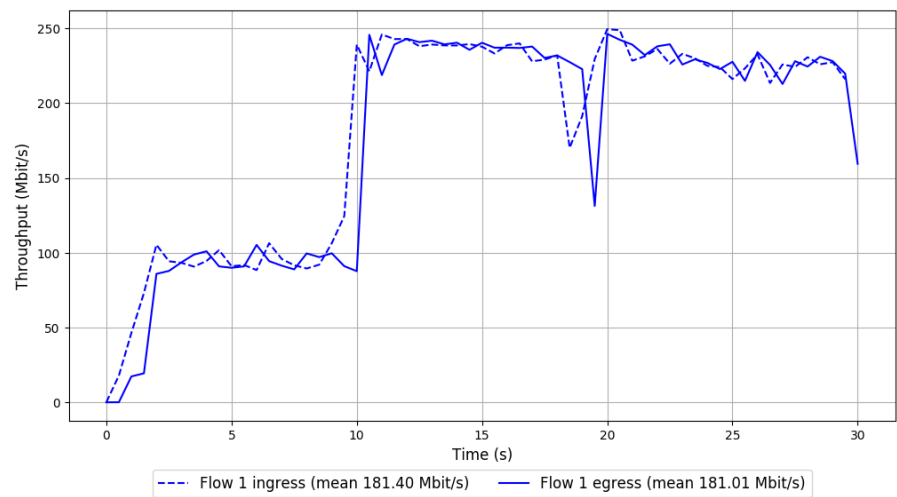
-- Flow 1:

Average throughput: 181.01 Mbit/s

95th percentile per-packet one-way delay: 137.140 ms

Loss rate: 1.13%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-26 00:18:22

End at: 2018-07-26 00:18:52

Local clock offset: -0.1 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-07-26 04:15:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 177.70 Mbit/s

95th percentile per-packet one-way delay: 136.255 ms

Loss rate: 1.20%

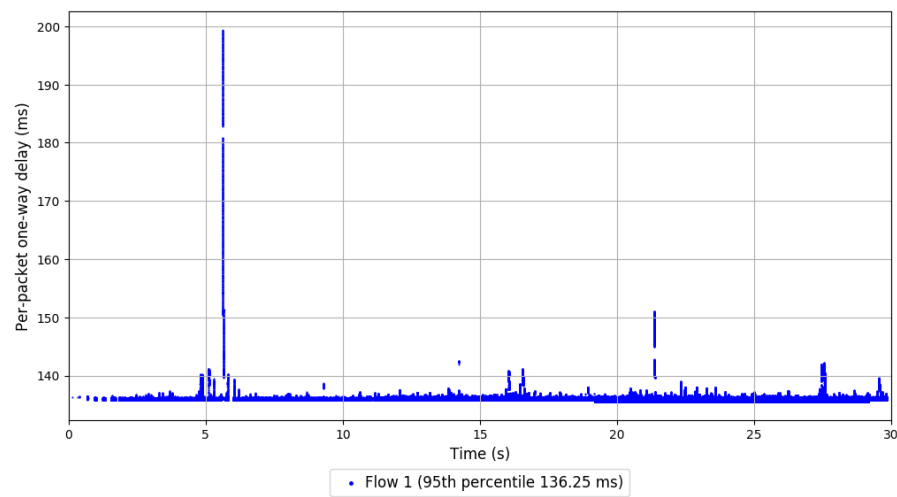
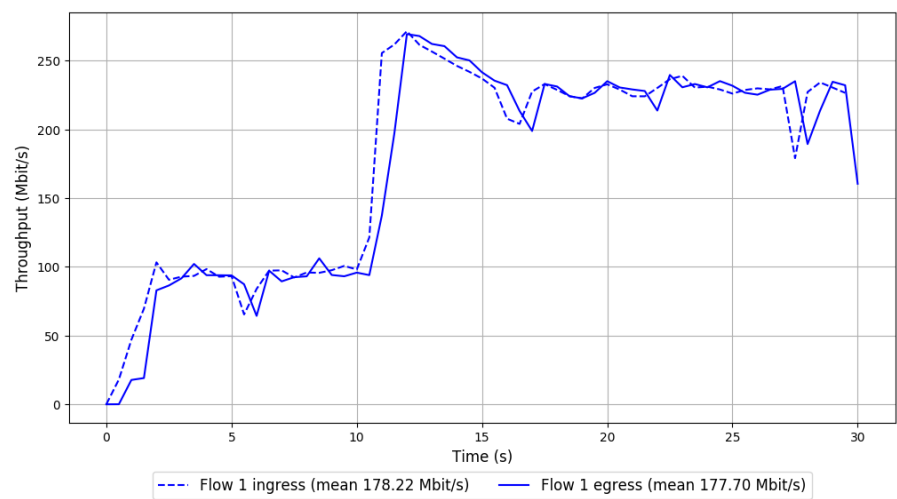
-- Flow 1:

Average throughput: 177.70 Mbit/s

95th percentile per-packet one-way delay: 136.255 ms

Loss rate: 1.20%

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

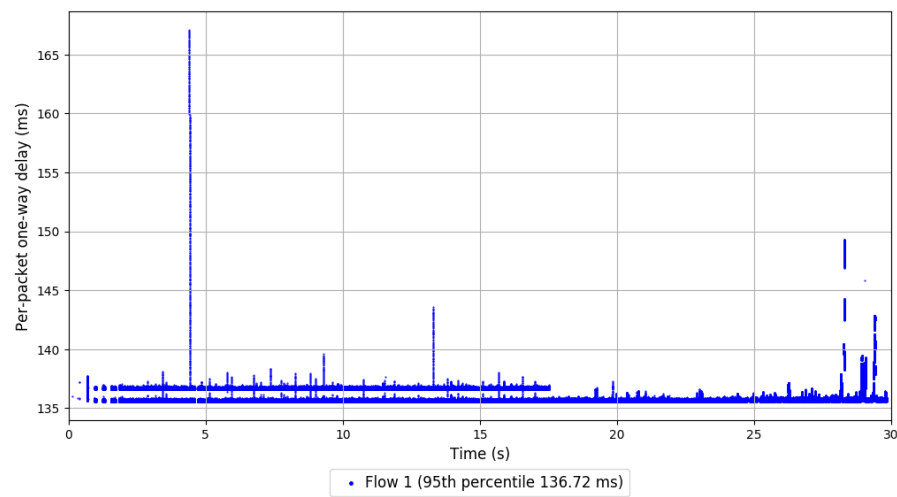
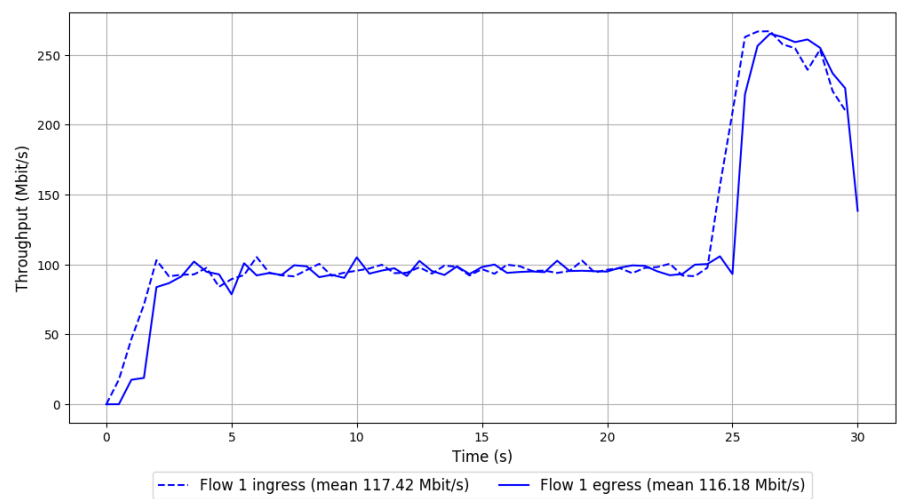


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-26 00:41:24
End at: 2018-07-26 00:41:54
Local clock offset: -0.079 ms
Remote clock offset: -0.392 ms

Below is generated by plot.py at 2018-07-26 04:15:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 116.18 Mbit/s
95th percentile per-packet one-way delay: 136.715 ms
Loss rate: 1.95%
-- Flow 1:
Average throughput: 116.18 Mbit/s
95th percentile per-packet one-way delay: 136.715 ms
Loss rate: 1.95%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-26 01:04:05

End at: 2018-07-26 01:04:35

Local clock offset: -0.2 ms

Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-26 04:15:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 157.15 Mbit/s

95th percentile per-packet one-way delay: 136.222 ms

Loss rate: 1.40%

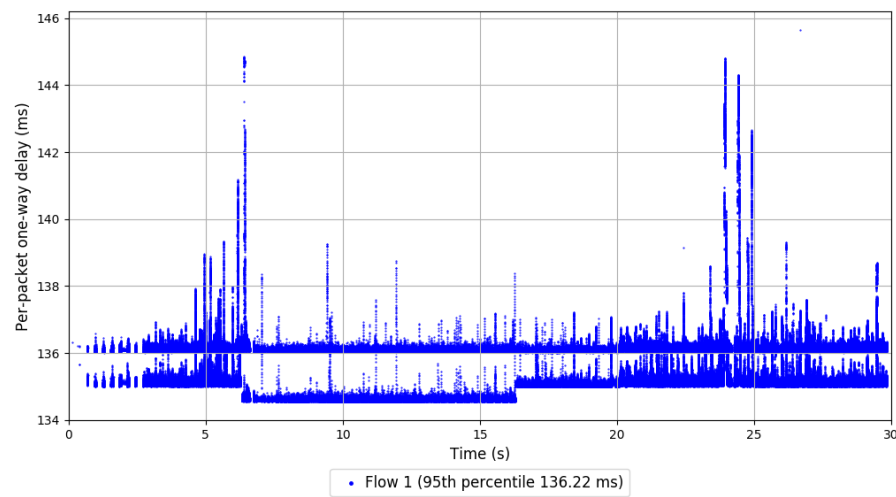
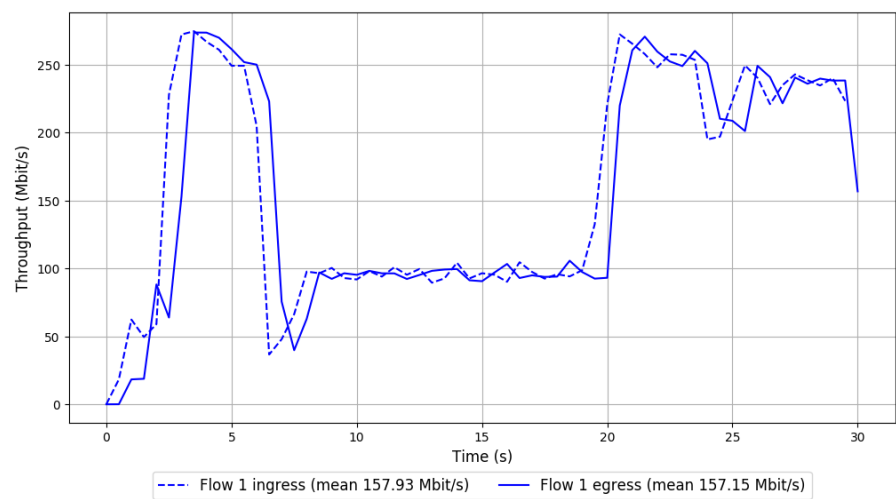
-- Flow 1:

Average throughput: 157.15 Mbit/s

95th percentile per-packet one-way delay: 136.222 ms

Loss rate: 1.40%

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

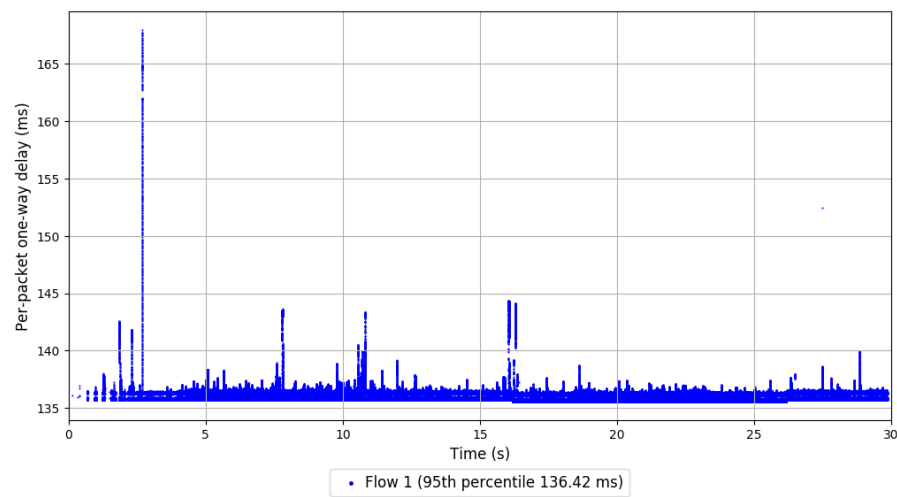
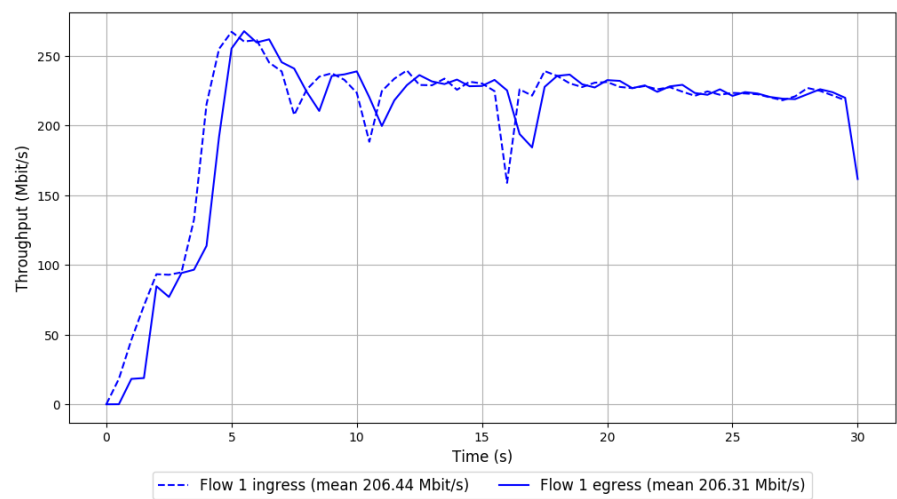


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-26 01:27:05
End at: 2018-07-26 01:27:35
Local clock offset: -0.026 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-26 04:18:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 206.31 Mbit/s
95th percentile per-packet one-way delay: 136.418 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 206.31 Mbit/s
95th percentile per-packet one-way delay: 136.418 ms
Loss rate: 0.97%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-26 01:50:09

End at: 2018-07-26 01:50:39

Local clock offset: 0.003 ms

Remote clock offset: 0.383 ms

Below is generated by plot.py at 2018-07-26 04:18:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.36 Mbit/s

95th percentile per-packet one-way delay: 135.958 ms

Loss rate: 0.93%

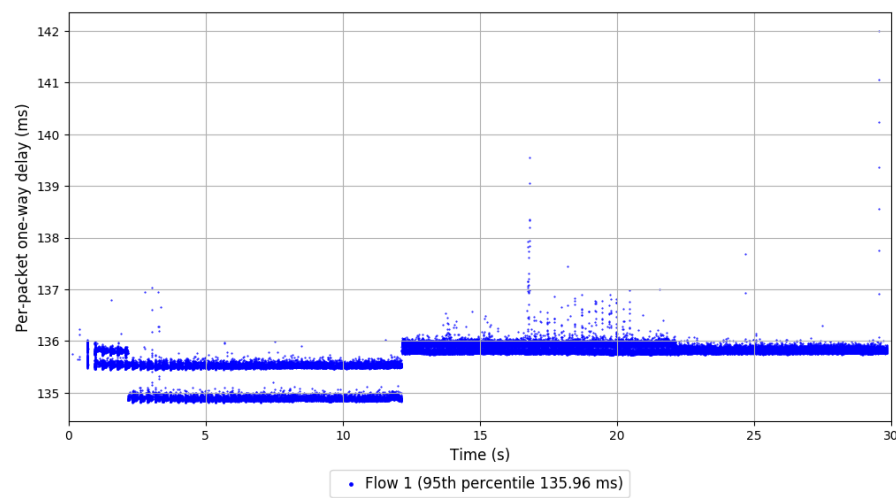
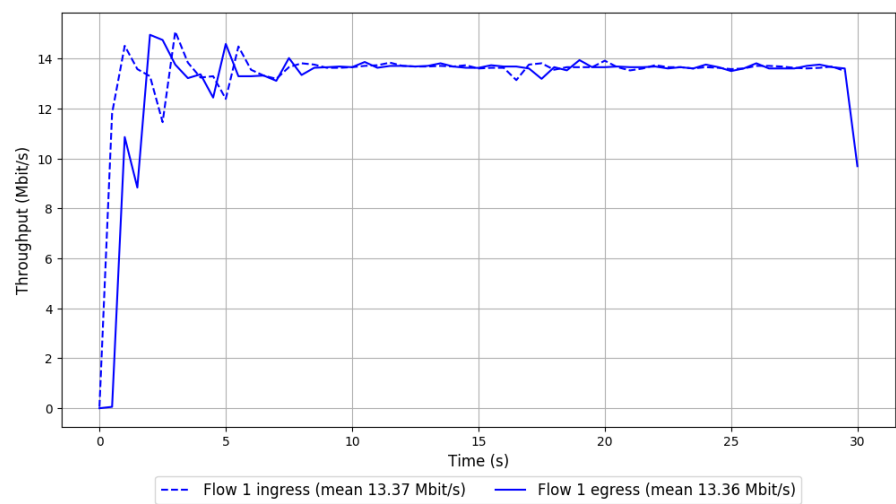
-- Flow 1:

Average throughput: 13.36 Mbit/s

95th percentile per-packet one-way delay: 135.958 ms

Loss rate: 0.93%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-26 02:12:37

End at: 2018-07-26 02:13:07

Local clock offset: 1.716 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2018-07-26 04:20:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.72 Mbit/s

95th percentile per-packet one-way delay: 138.867 ms

Loss rate: 1.04%

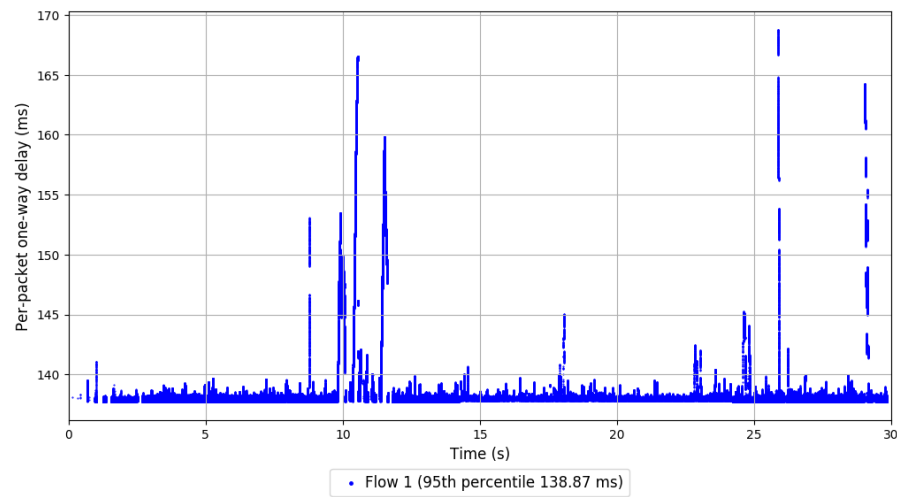
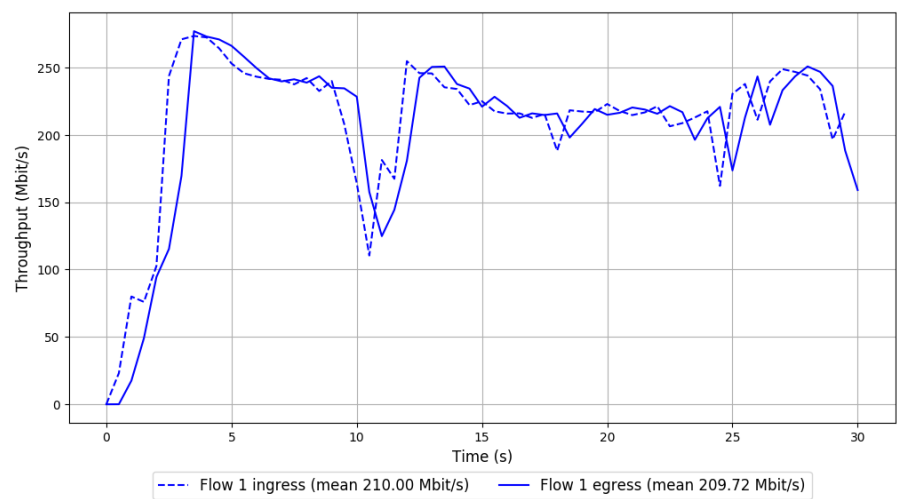
-- Flow 1:

Average throughput: 209.72 Mbit/s

95th percentile per-packet one-way delay: 138.867 ms

Loss rate: 1.04%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-25 22:49:42

End at: 2018-07-25 22:50:12

Local clock offset: -0.017 ms

Remote clock offset: 0.285 ms

Below is generated by plot.py at 2018-07-26 04:20:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.49 Mbit/s

95th percentile per-packet one-way delay: 138.249 ms

Loss rate: 0.99%

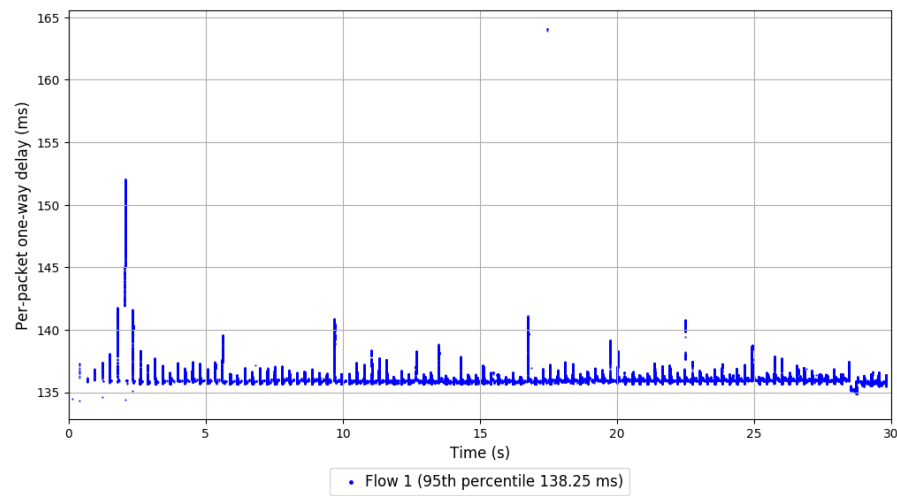
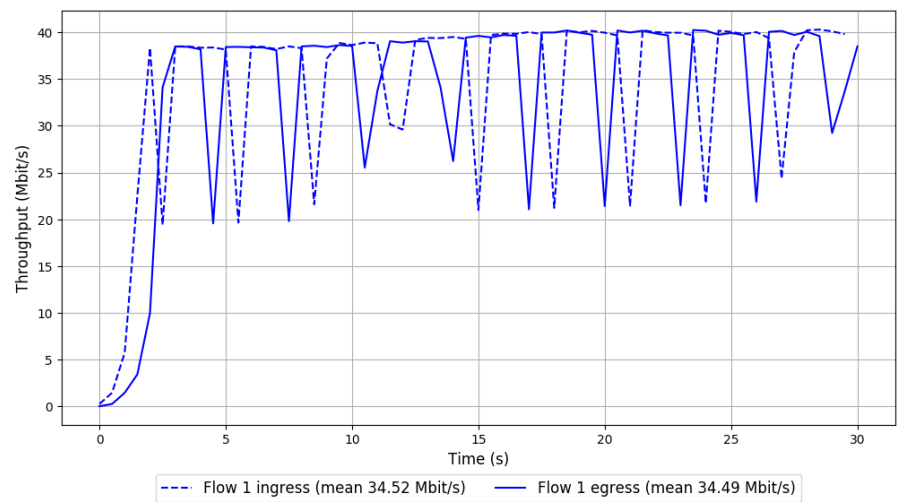
-- Flow 1:

Average throughput: 34.49 Mbit/s

95th percentile per-packet one-way delay: 138.249 ms

Loss rate: 0.99%

Run 1: Report of TCP Vegas — Data Link

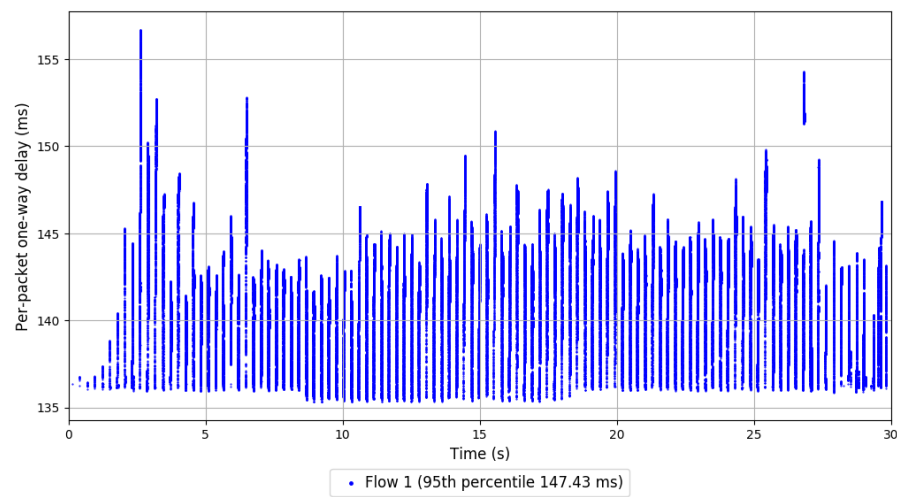
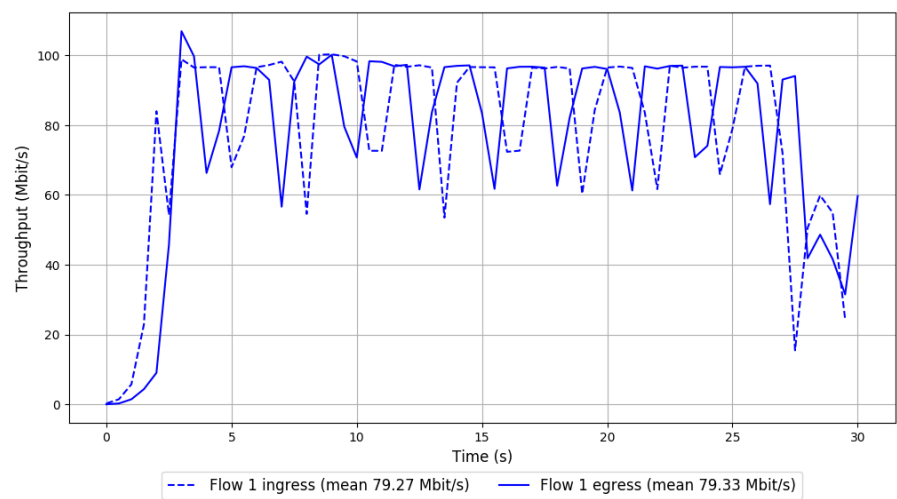


Run 2: Statistics of TCP Vegas

Start at: 2018-07-25 23:12:23
End at: 2018-07-25 23:12:53
Local clock offset: 0.037 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-07-26 04:20:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.33 Mbit/s
95th percentile per-packet one-way delay: 147.426 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 79.33 Mbit/s
95th percentile per-packet one-way delay: 147.426 ms
Loss rate: 0.17%

Run 2: Report of TCP Vegas — Data Link

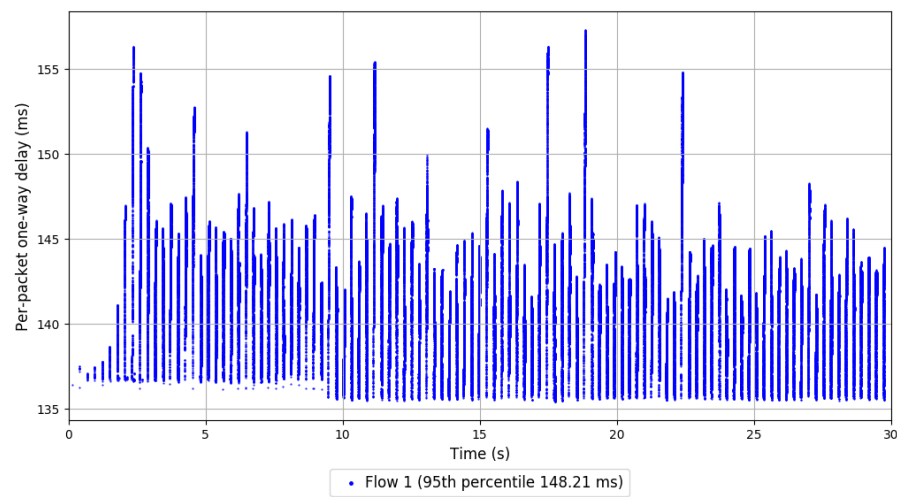
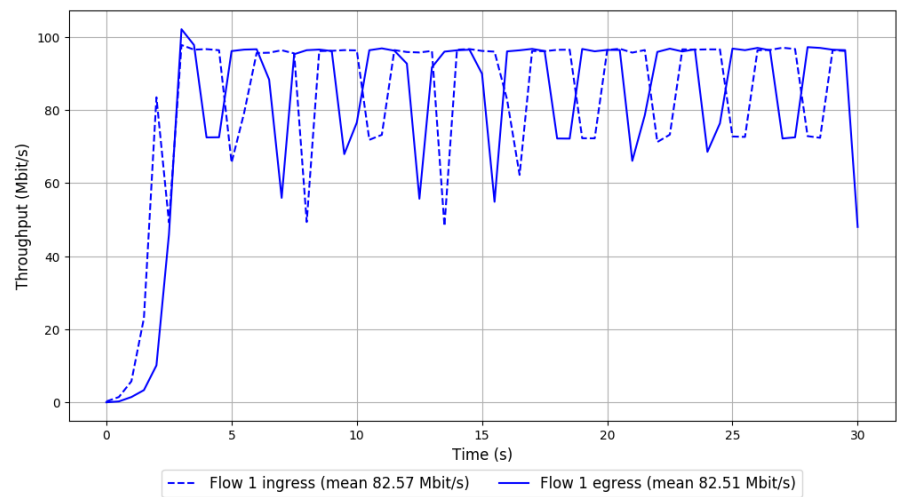


Run 3: Statistics of TCP Vegas

Start at: 2018-07-25 23:35:12
End at: 2018-07-25 23:35:42
Local clock offset: -0.123 ms
Remote clock offset: -0.341 ms

Below is generated by plot.py at 2018-07-26 04:20:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.51 Mbit/s
95th percentile per-packet one-way delay: 148.211 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 82.51 Mbit/s
95th percentile per-packet one-way delay: 148.211 ms
Loss rate: 0.98%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-25 23:58:17

End at: 2018-07-25 23:58:47

Local clock offset: 0.11 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-07-26 04:20:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.60 Mbit/s

95th percentile per-packet one-way delay: 147.811 ms

Loss rate: 0.98%

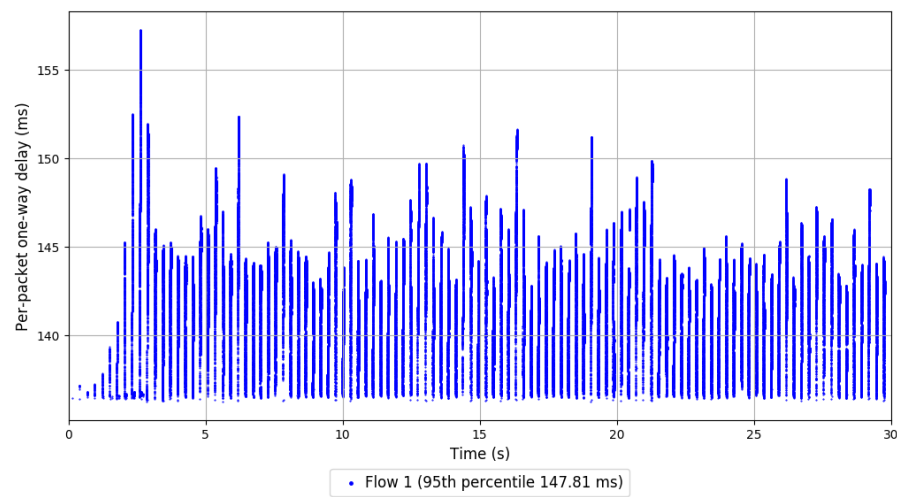
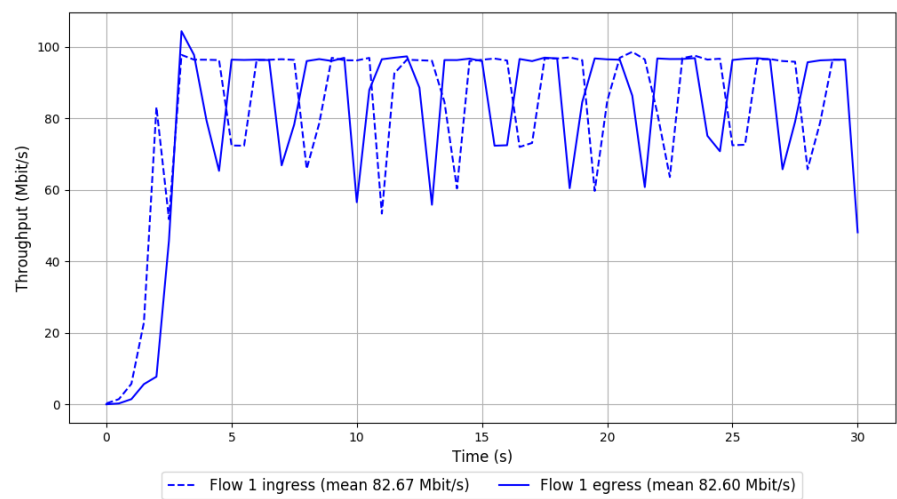
-- Flow 1:

Average throughput: 82.60 Mbit/s

95th percentile per-packet one-way delay: 147.811 ms

Loss rate: 0.98%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-26 00:21:16

End at: 2018-07-26 00:21:46

Local clock offset: 1.795 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-07-26 04:20:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.80 Mbit/s

95th percentile per-packet one-way delay: 151.711 ms

Loss rate: 1.07%

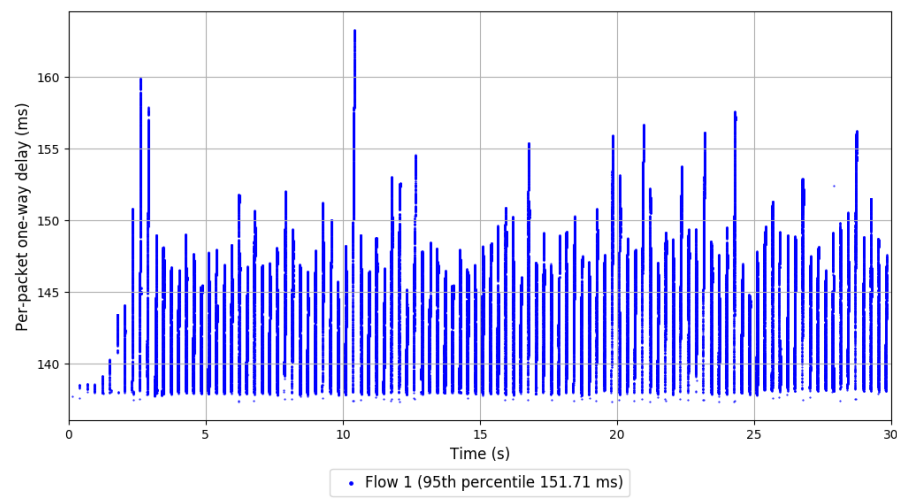
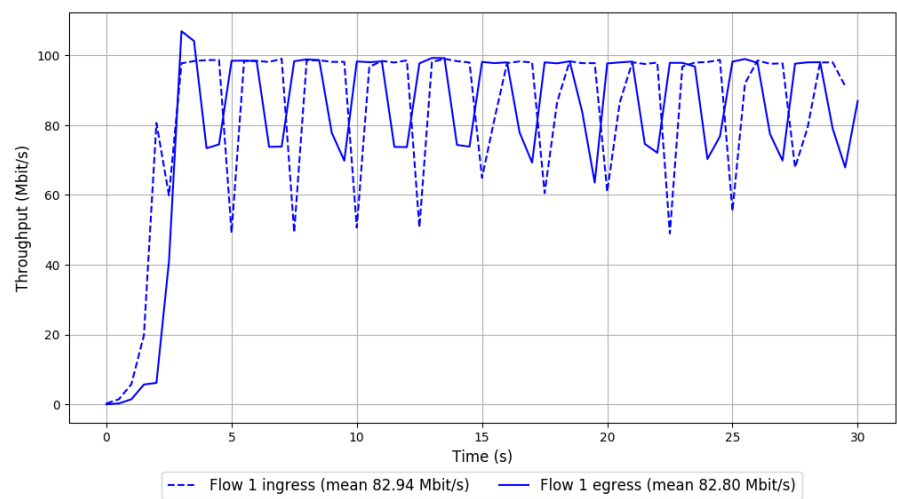
-- Flow 1:

Average throughput: 82.80 Mbit/s

95th percentile per-packet one-way delay: 151.711 ms

Loss rate: 1.07%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-26 00:44:10

End at: 2018-07-26 00:44:40

Local clock offset: -0.018 ms

Remote clock offset: 0.392 ms

Below is generated by plot.py at 2018-07-26 04:20:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.47 Mbit/s

95th percentile per-packet one-way delay: 147.951 ms

Loss rate: 0.28%

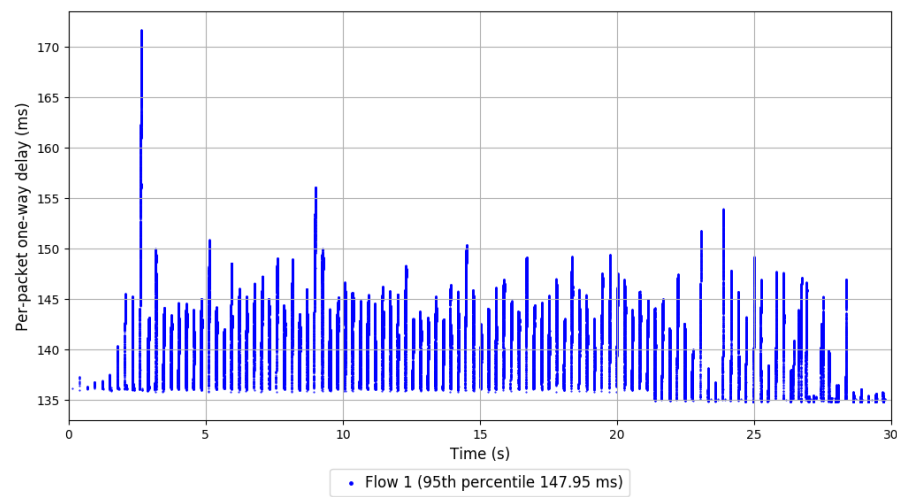
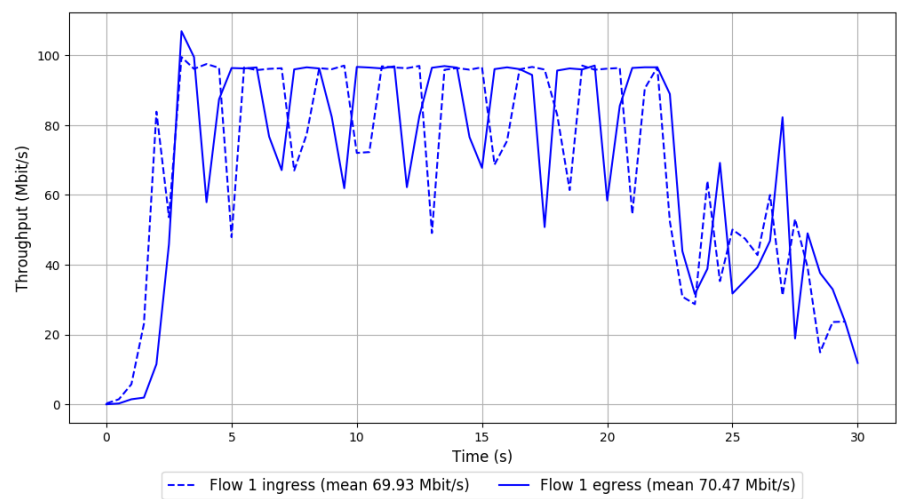
-- Flow 1:

Average throughput: 70.47 Mbit/s

95th percentile per-packet one-way delay: 147.951 ms

Loss rate: 0.28%

Run 6: Report of TCP Vegas — Data Link

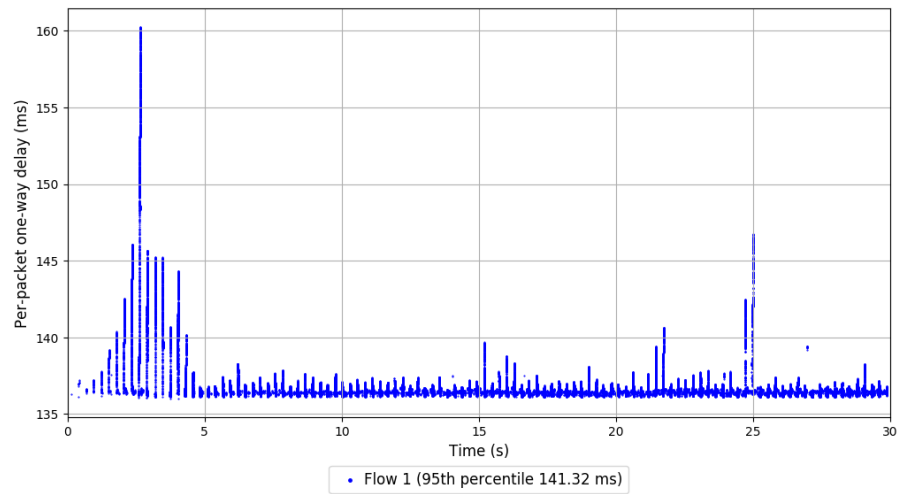
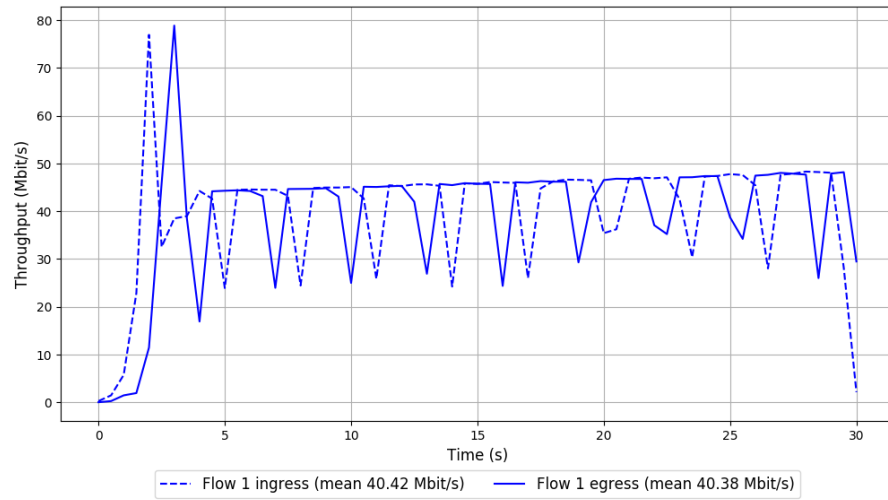


Run 7: Statistics of TCP Vegas

Start at: 2018-07-26 01:07:07
End at: 2018-07-26 01:07:37
Local clock offset: -0.145 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-26 04:20:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.38 Mbit/s
95th percentile per-packet one-way delay: 141.321 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 40.38 Mbit/s
95th percentile per-packet one-way delay: 141.321 ms
Loss rate: 1.00%

Run 7: Report of TCP Vegas — Data Link

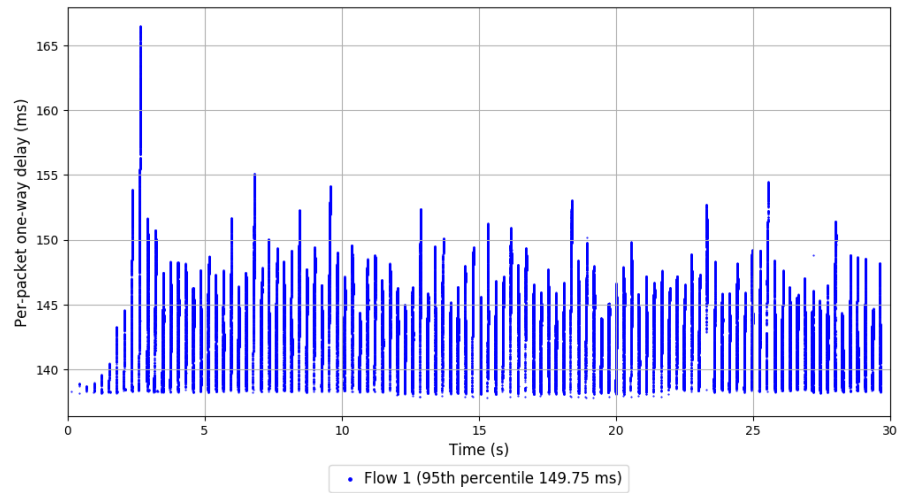
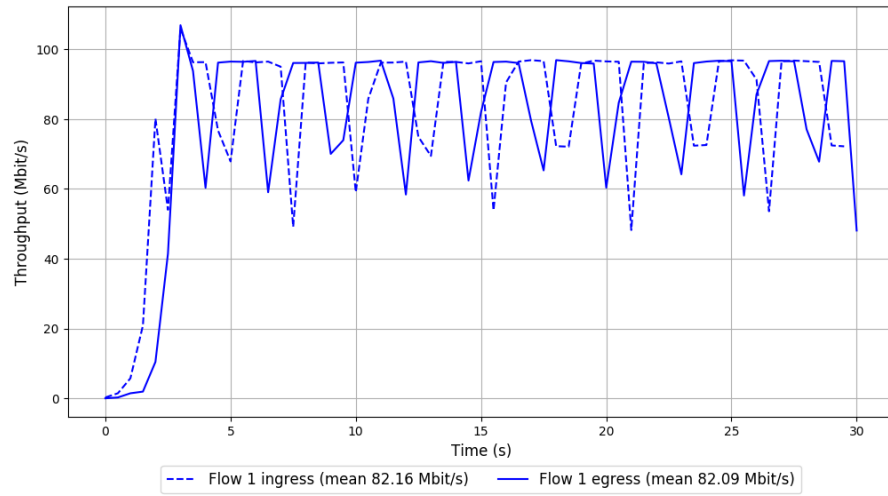


Run 8: Statistics of TCP Vegas

Start at: 2018-07-26 01:30:09
End at: 2018-07-26 01:30:39
Local clock offset: 1.874 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-07-26 04:20:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.09 Mbit/s
95th percentile per-packet one-way delay: 149.752 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 82.09 Mbit/s
95th percentile per-packet one-way delay: 149.752 ms
Loss rate: 0.98%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-26 01:52:41

End at: 2018-07-26 01:53:11

Local clock offset: 0.106 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-07-26 04:20:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.65 Mbit/s

95th percentile per-packet one-way delay: 149.259 ms

Loss rate: 1.00%

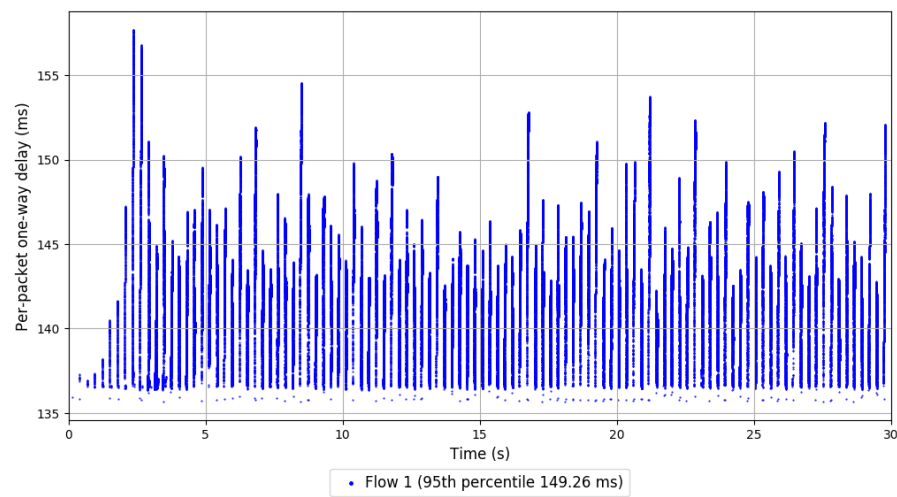
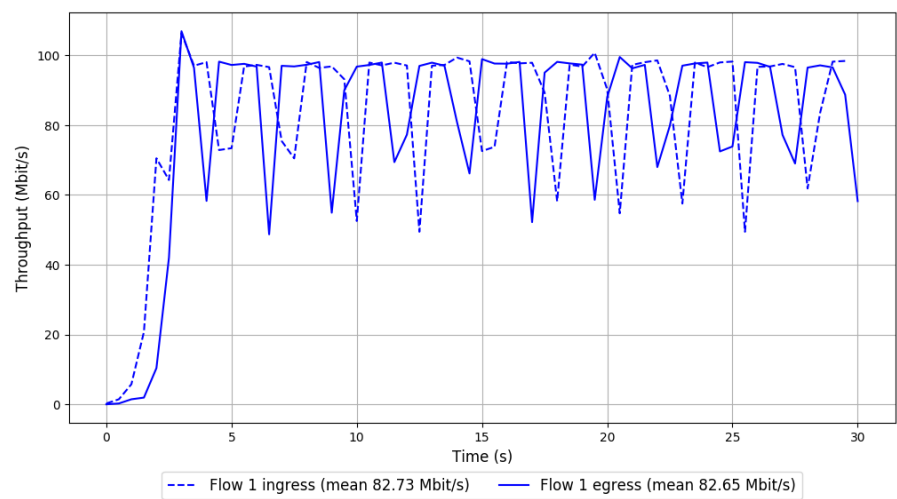
-- Flow 1:

Average throughput: 82.65 Mbit/s

95th percentile per-packet one-way delay: 149.259 ms

Loss rate: 1.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-26 02:15:25

End at: 2018-07-26 02:15:56

Local clock offset: 0.057 ms

Remote clock offset: -0.374 ms

Below is generated by plot.py at 2018-07-26 04:20:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 25.03 Mbit/s

95th percentile per-packet one-way delay: 143.072 ms

Loss rate: 0.94%

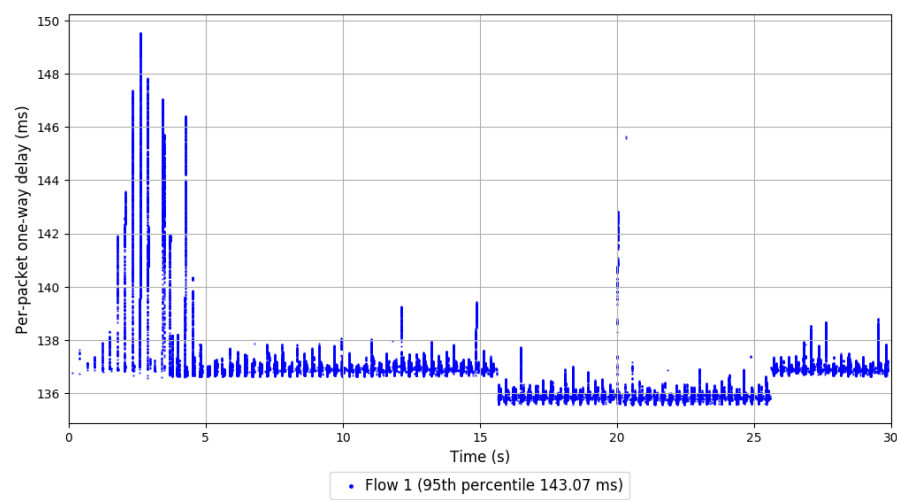
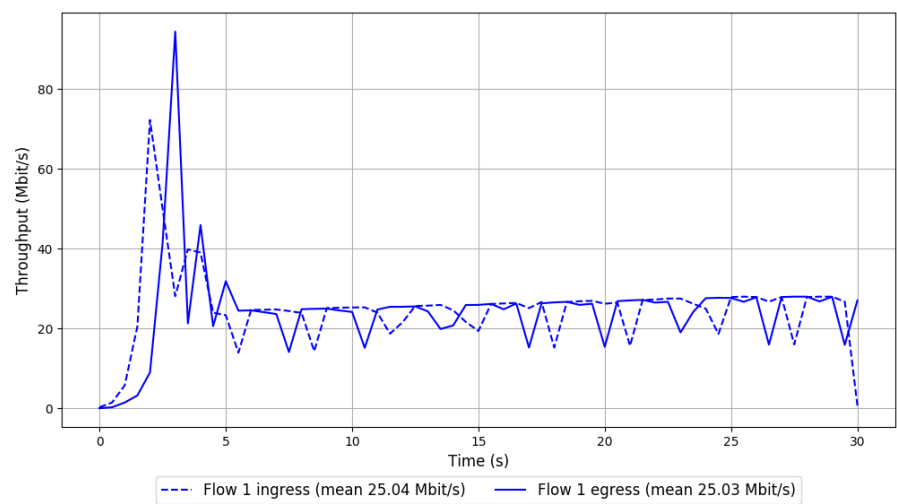
-- Flow 1:

Average throughput: 25.03 Mbit/s

95th percentile per-packet one-way delay: 143.072 ms

Loss rate: 0.94%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-25 23:01:28

End at: 2018-07-25 23:01:58

Local clock offset: 0.271 ms

Remote clock offset: 0.289 ms

Below is generated by plot.py at 2018-07-26 04:20:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 140.60 Mbit/s

95th percentile per-packet one-way delay: 250.983 ms

Loss rate: 4.42%

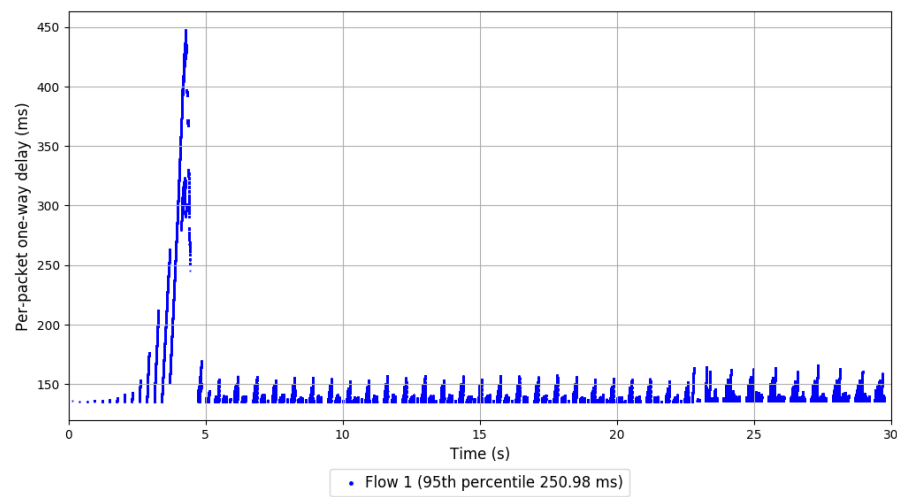
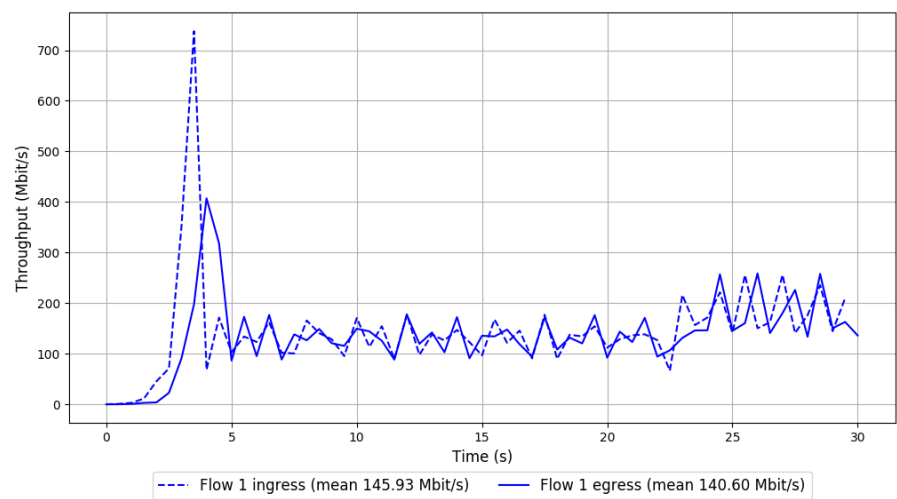
-- Flow 1:

Average throughput: 140.60 Mbit/s

95th percentile per-packet one-way delay: 250.983 ms

Loss rate: 4.42%

Run 1: Report of Verus — Data Link

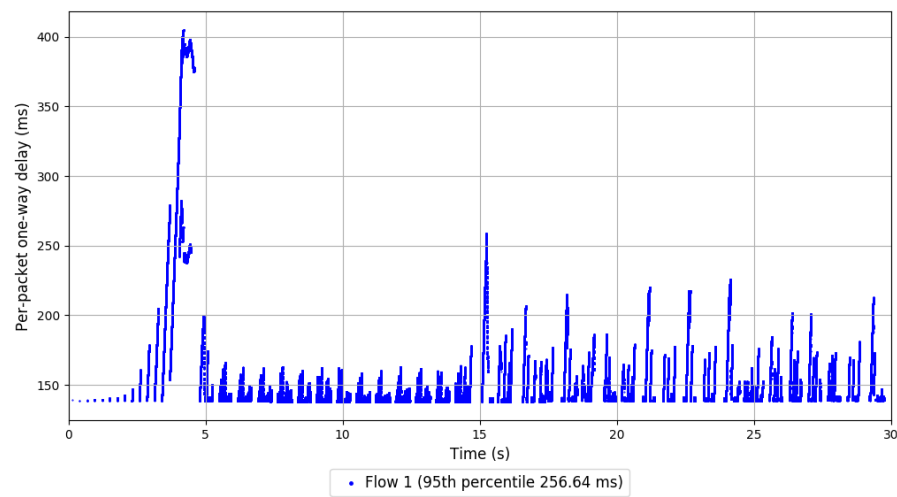
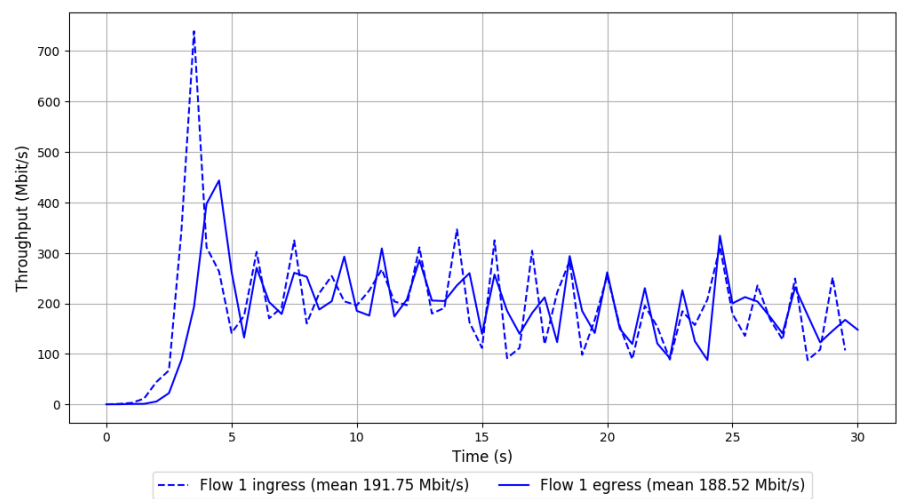


Run 2: Statistics of Verus

Start at: 2018-07-25 23:24:04
End at: 2018-07-25 23:24:34
Local clock offset: 2.324 ms
Remote clock offset: -0.366 ms

Below is generated by plot.py at 2018-07-26 04:20:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 188.52 Mbit/s
95th percentile per-packet one-way delay: 256.642 ms
Loss rate: 2.86%
-- Flow 1:
Average throughput: 188.52 Mbit/s
95th percentile per-packet one-way delay: 256.642 ms
Loss rate: 2.86%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-25 23:47:05

End at: 2018-07-25 23:47:35

Local clock offset: 1.761 ms

Remote clock offset: 0.385 ms

Below is generated by plot.py at 2018-07-26 04:20:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 135.97 Mbit/s

95th percentile per-packet one-way delay: 311.262 ms

Loss rate: 5.26%

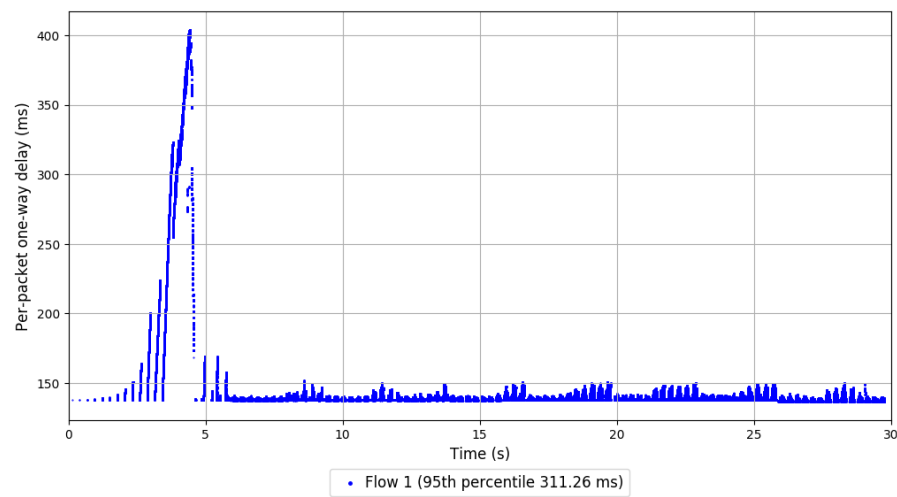
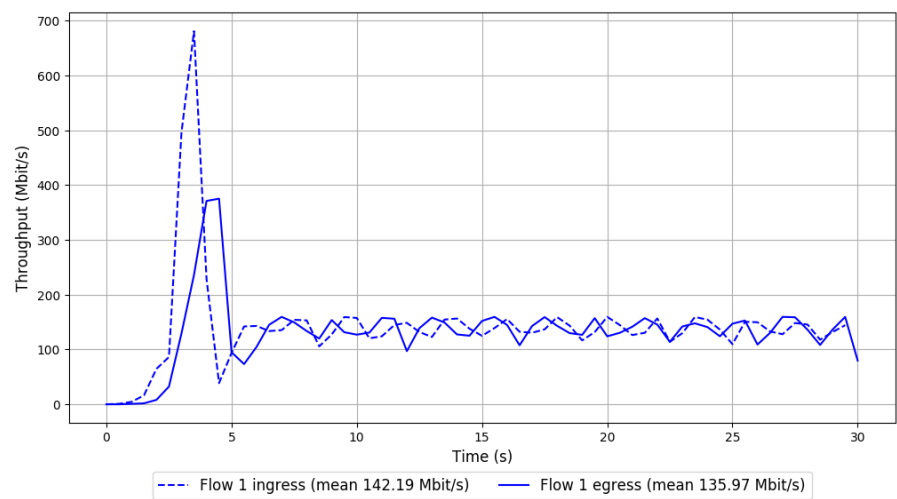
-- Flow 1:

Average throughput: 135.97 Mbit/s

95th percentile per-packet one-way delay: 311.262 ms

Loss rate: 5.26%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-26 00:10:09

End at: 2018-07-26 00:10:39

Local clock offset: -0.111 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2018-07-26 04:20:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 139.91 Mbit/s

95th percentile per-packet one-way delay: 255.904 ms

Loss rate: 1.78%

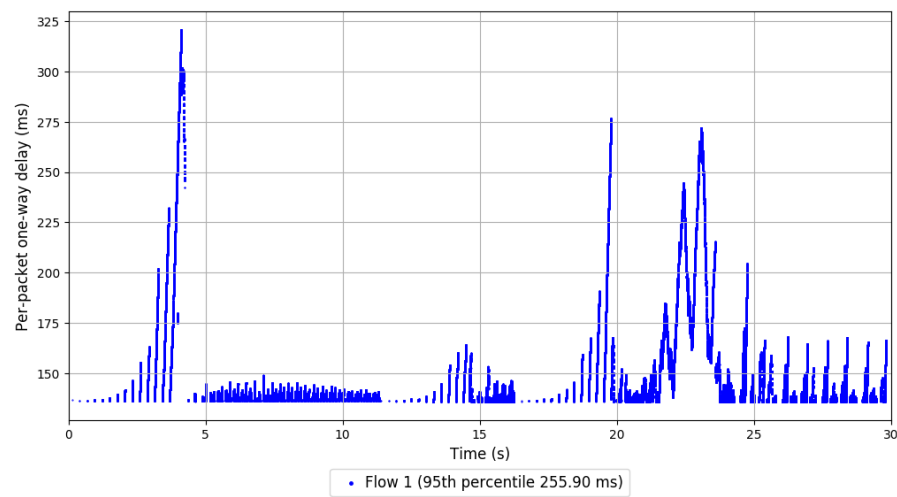
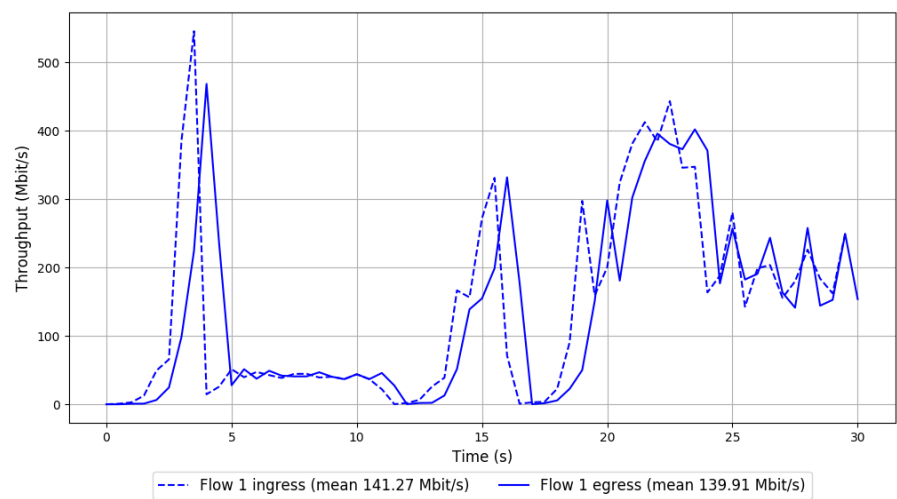
-- Flow 1:

Average throughput: 139.91 Mbit/s

95th percentile per-packet one-way delay: 255.904 ms

Loss rate: 1.78%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-07-26 00:33:08

End at: 2018-07-26 00:33:38

Local clock offset: -0.225 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-07-26 04:21:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 176.33 Mbit/s

95th percentile per-packet one-way delay: 190.832 ms

Loss rate: 1.71%

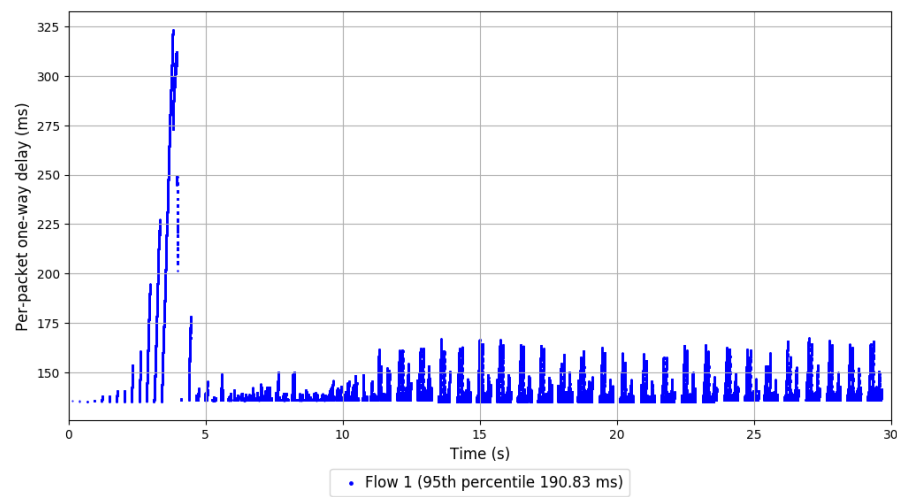
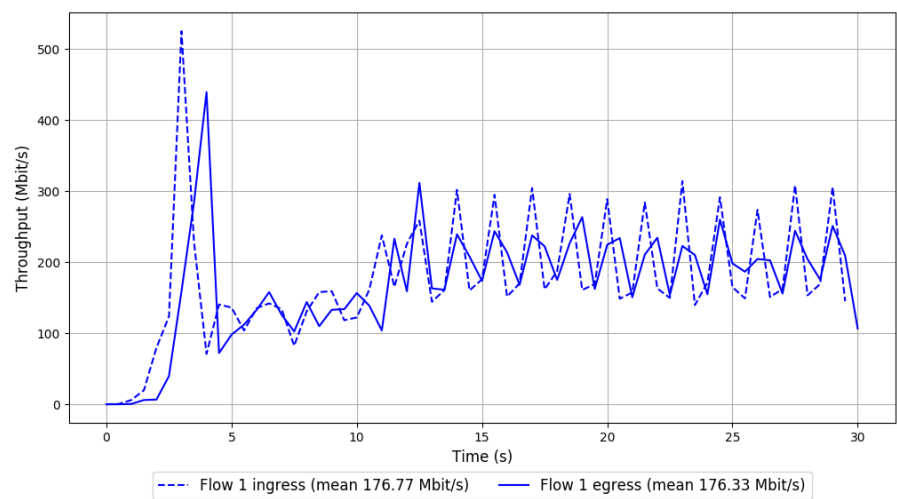
-- Flow 1:

Average throughput: 176.33 Mbit/s

95th percentile per-packet one-way delay: 190.832 ms

Loss rate: 1.71%

Run 5: Report of Verus — Data Link

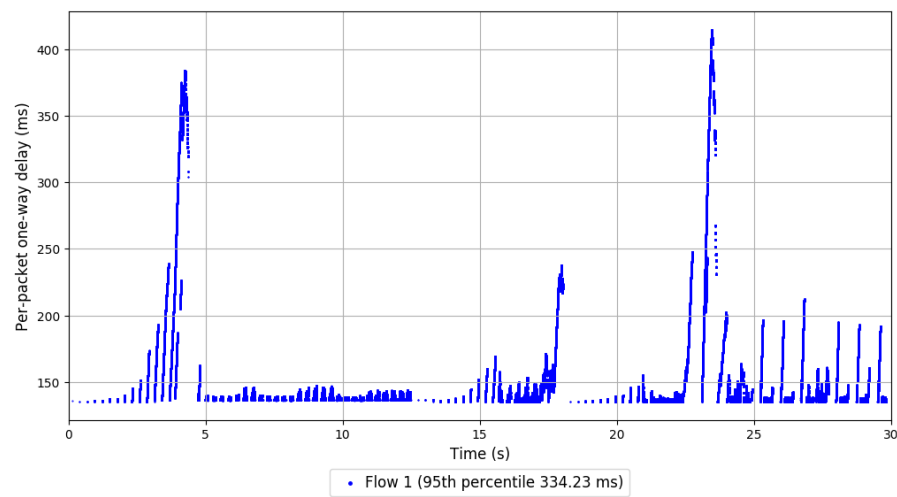
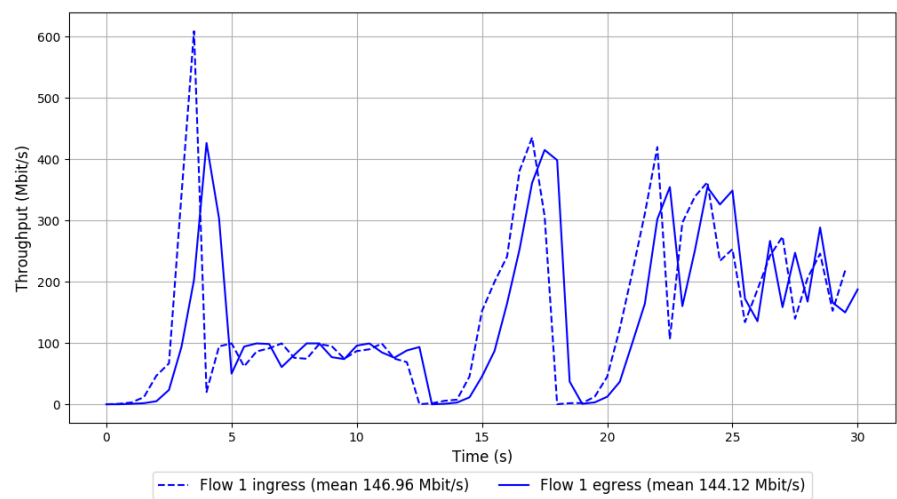


Run 6: Statistics of Verus

Start at: 2018-07-26 00:55:58
End at: 2018-07-26 00:56:28
Local clock offset: -0.16 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-07-26 04:21:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 144.12 Mbit/s
95th percentile per-packet one-way delay: 334.231 ms
Loss rate: 2.40%
-- Flow 1:
Average throughput: 144.12 Mbit/s
95th percentile per-packet one-way delay: 334.231 ms
Loss rate: 2.40%

Run 6: Report of Verus — Data Link

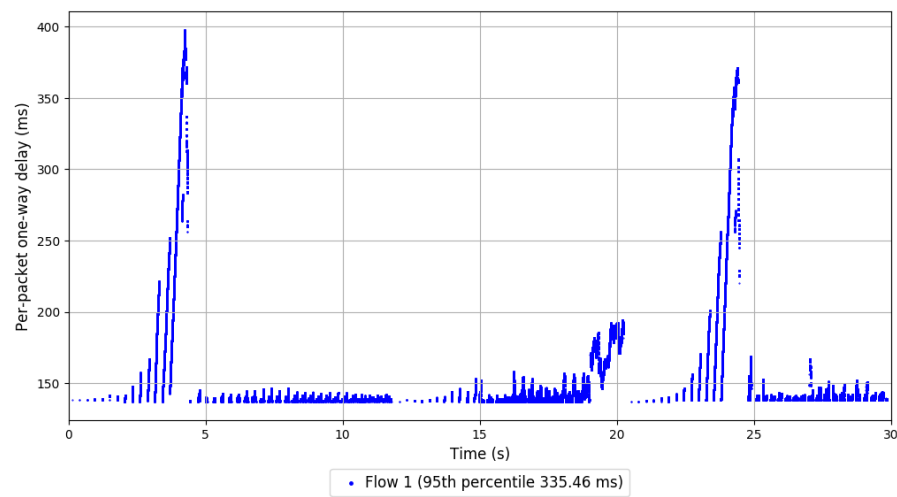
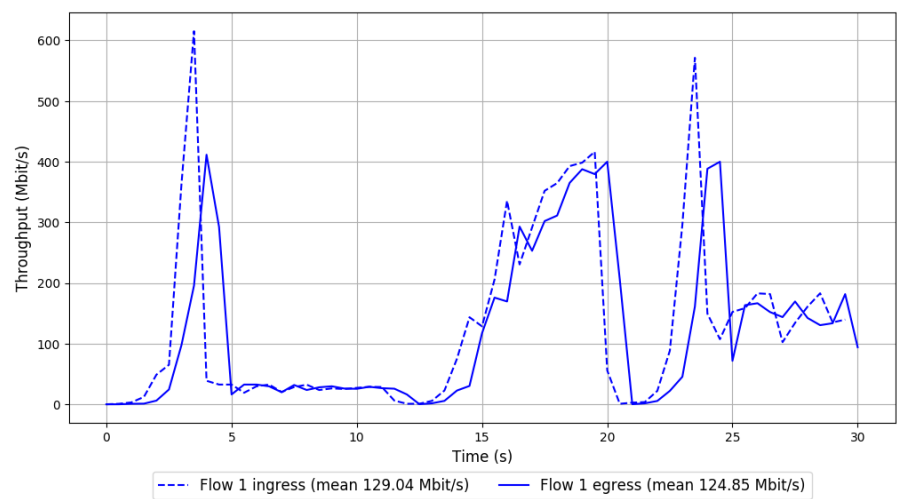


Run 7: Statistics of Verus

Start at: 2018-07-26 01:18:49
End at: 2018-07-26 01:19:19
Local clock offset: 1.723 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-26 04:21:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 124.85 Mbit/s
95th percentile per-packet one-way delay: 335.457 ms
Loss rate: 4.10%
-- Flow 1:
Average throughput: 124.85 Mbit/s
95th percentile per-packet one-way delay: 335.457 ms
Loss rate: 4.10%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-07-26 01:41:51

End at: 2018-07-26 01:42:21

Local clock offset: -0.205 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-07-26 04:22:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 164.61 Mbit/s

95th percentile per-packet one-way delay: 232.499 ms

Loss rate: 1.86%

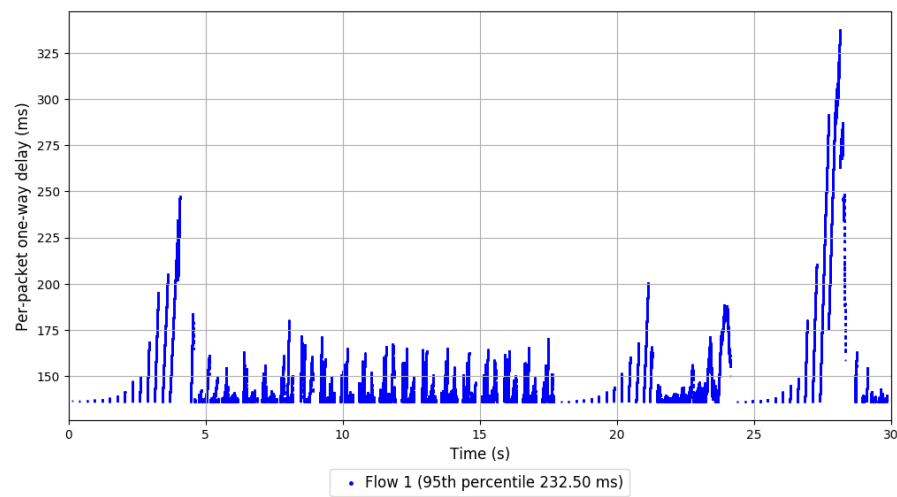
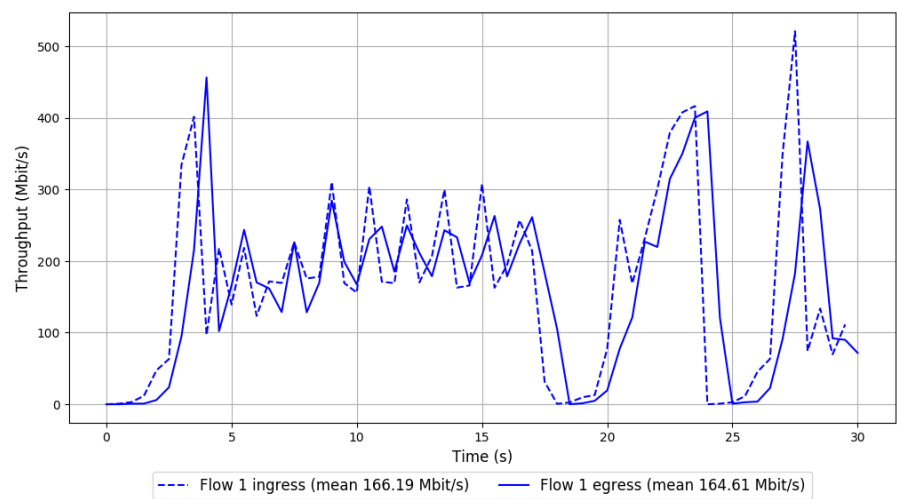
-- Flow 1:

Average throughput: 164.61 Mbit/s

95th percentile per-packet one-way delay: 232.499 ms

Loss rate: 1.86%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-26 02:04:34

End at: 2018-07-26 02:05:04

Local clock offset: 0.016 ms

Remote clock offset: 0.402 ms

Below is generated by plot.py at 2018-07-26 04:23:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 156.00 Mbit/s

95th percentile per-packet one-way delay: 236.989 ms

Loss rate: 3.33%

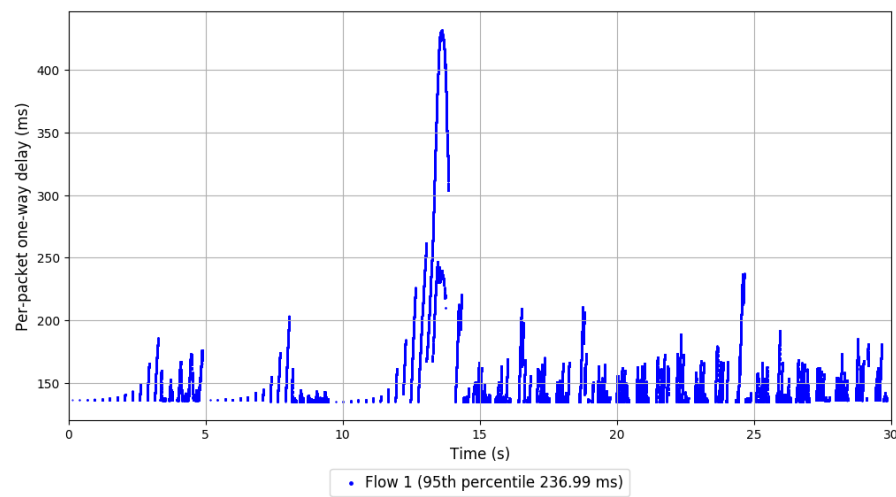
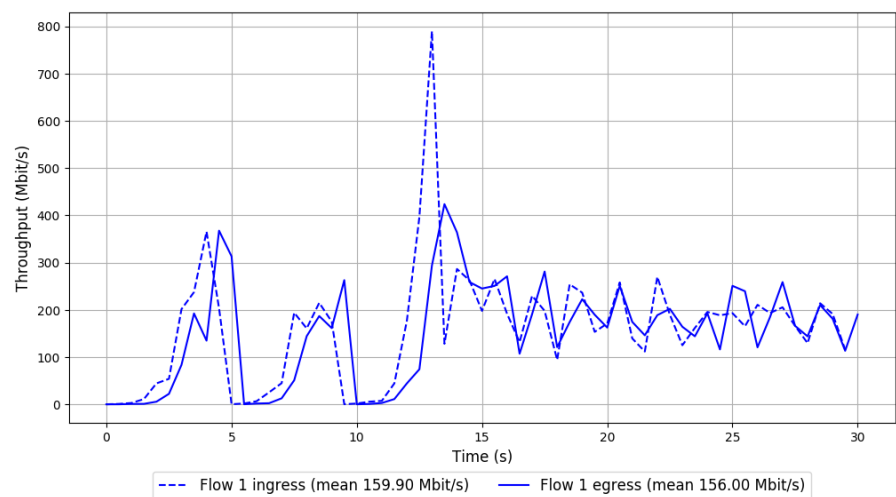
-- Flow 1:

Average throughput: 156.00 Mbit/s

95th percentile per-packet one-way delay: 236.989 ms

Loss rate: 3.33%

Run 9: Report of Verus — Data Link

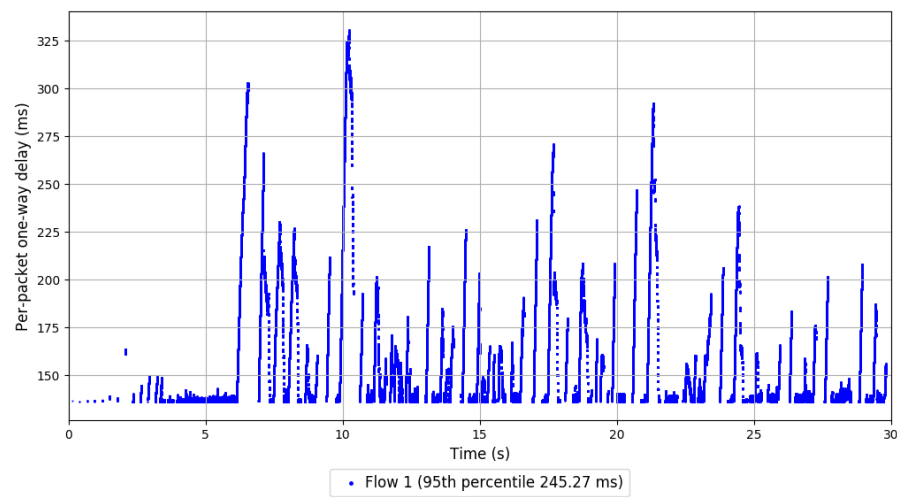
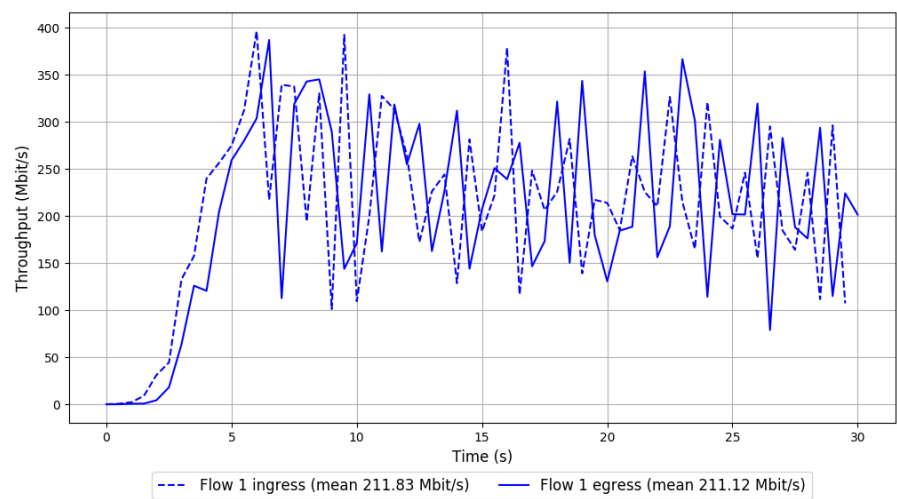


Run 10: Statistics of Verus

Start at: 2018-07-26 02:27:19
End at: 2018-07-26 02:27:49
Local clock offset: -0.005 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-26 04:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 211.12 Mbit/s
95th percentile per-packet one-way delay: 245.268 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 211.12 Mbit/s
95th percentile per-packet one-way delay: 245.268 ms
Loss rate: 0.28%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-25 22:54:03

End at: 2018-07-25 22:54:33

Local clock offset: 1.847 ms

Remote clock offset: -0.414 ms

Below is generated by plot.py at 2018-07-26 04:26:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 274.50 Mbit/s

95th percentile per-packet one-way delay: 145.349 ms

Loss rate: 1.77%

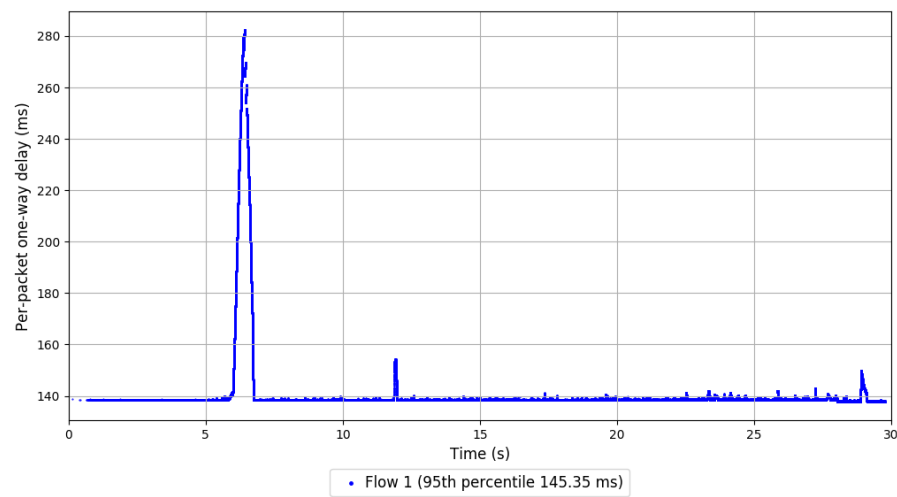
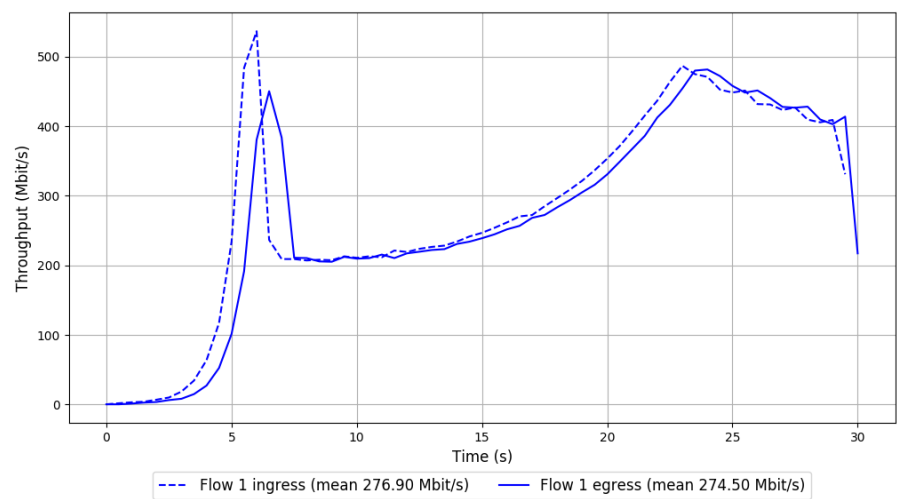
-- Flow 1:

Average throughput: 274.50 Mbit/s

95th percentile per-packet one-way delay: 145.349 ms

Loss rate: 1.77%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-25 23:16:43

End at: 2018-07-25 23:17:13

Local clock offset: 0.03 ms

Remote clock offset: -0.396 ms

Below is generated by plot.py at 2018-07-26 04:26:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 259.94 Mbit/s

95th percentile per-packet one-way delay: 137.860 ms

Loss rate: 1.50%

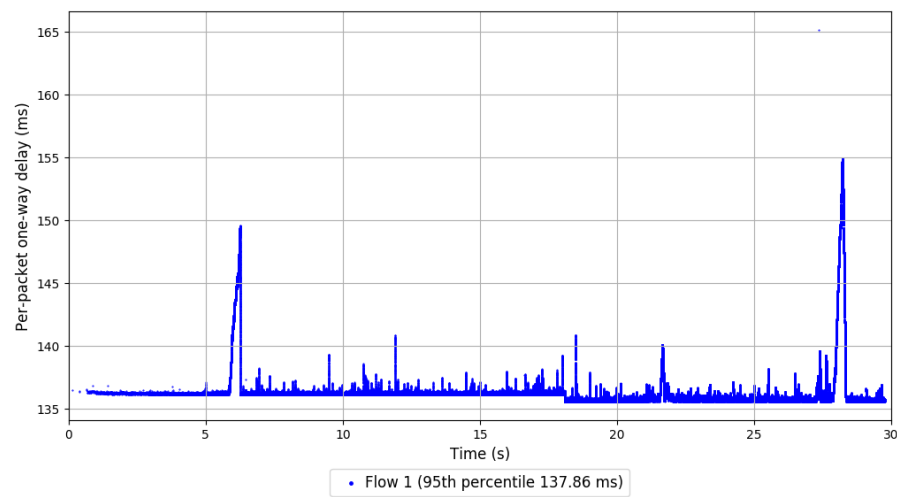
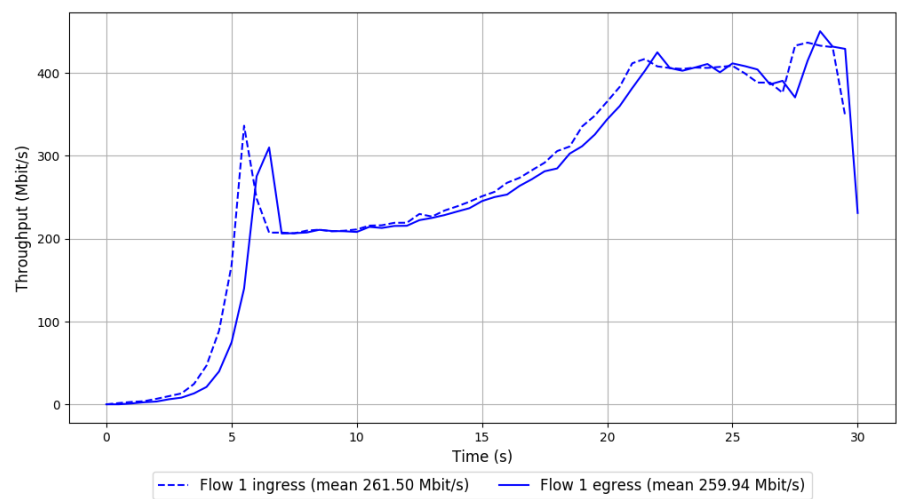
-- Flow 1:

Average throughput: 259.94 Mbit/s

95th percentile per-packet one-way delay: 137.860 ms

Loss rate: 1.50%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-25 23:39:35

End at: 2018-07-25 23:40:05

Local clock offset: 1.794 ms

Remote clock offset: 0.351 ms

Below is generated by plot.py at 2018-07-26 04:28:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 323.27 Mbit/s

95th percentile per-packet one-way delay: 150.468 ms

Loss rate: 1.21%

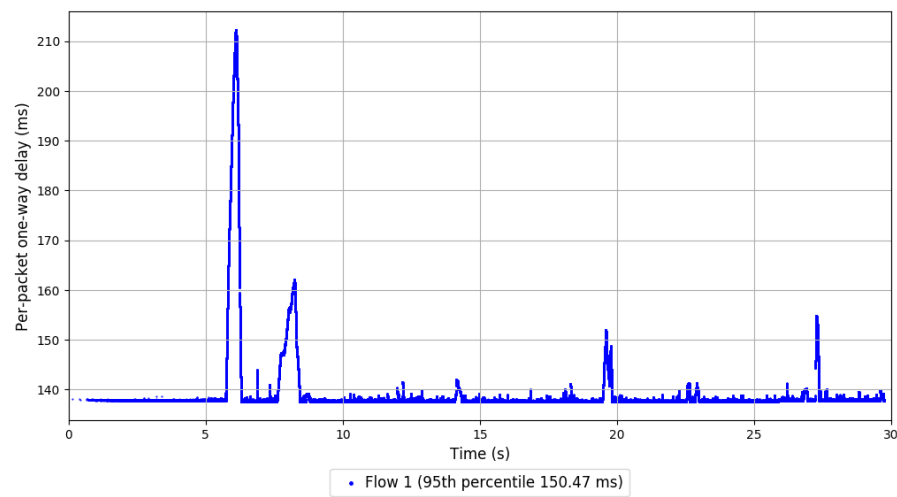
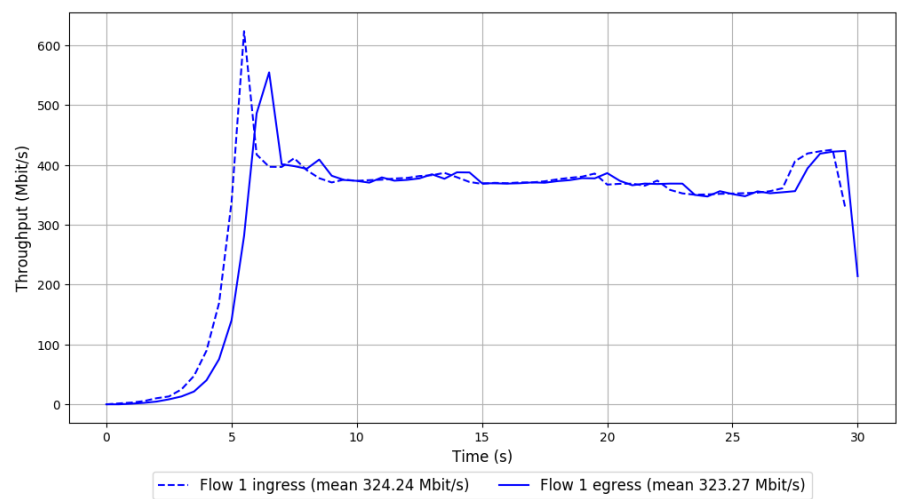
-- Flow 1:

Average throughput: 323.27 Mbit/s

95th percentile per-packet one-way delay: 150.468 ms

Loss rate: 1.21%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-26 00:02:43

End at: 2018-07-26 00:03:13

Local clock offset: 0.053 ms

Remote clock offset: 0.06 ms

Below is generated by plot.py at 2018-07-26 04:28:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 235.26 Mbit/s

95th percentile per-packet one-way delay: 235.913 ms

Loss rate: 0.90%

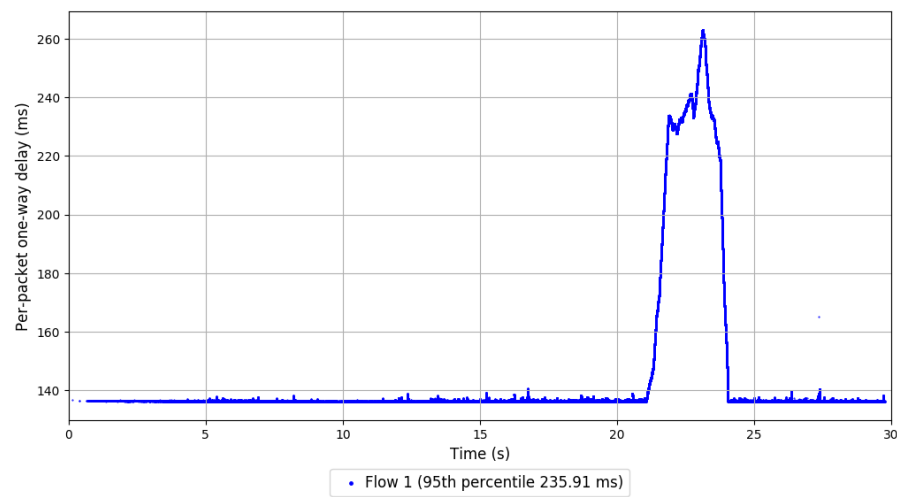
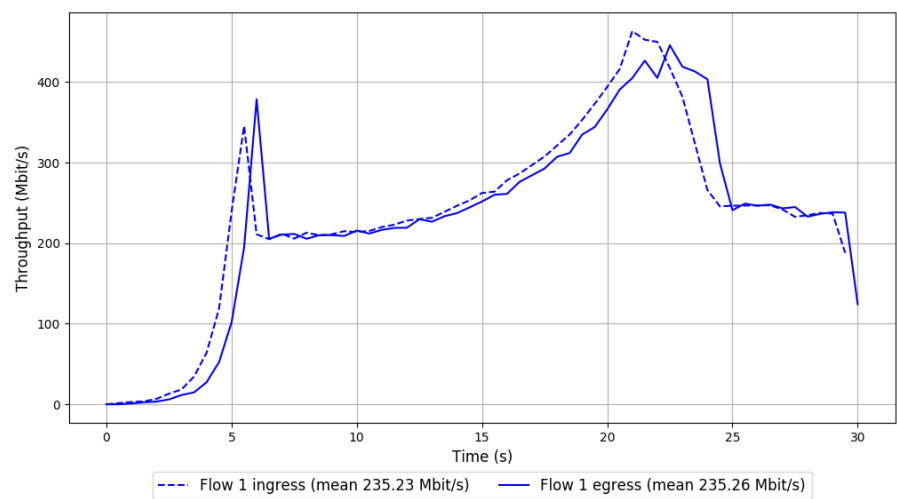
-- Flow 1:

Average throughput: 235.26 Mbit/s

95th percentile per-packet one-way delay: 235.913 ms

Loss rate: 0.90%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-26 00:25:38

End at: 2018-07-26 00:26:08

Local clock offset: 1.509 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-26 04:28:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 309.63 Mbit/s

95th percentile per-packet one-way delay: 146.688 ms

Loss rate: 1.07%

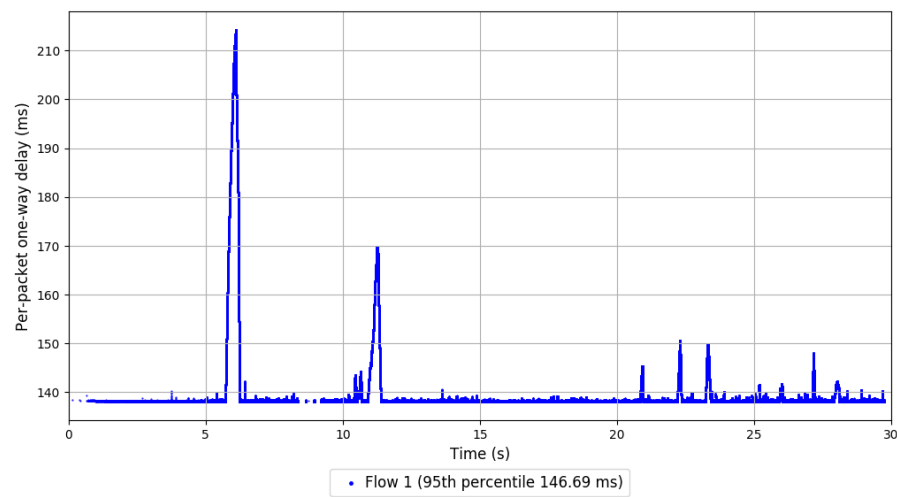
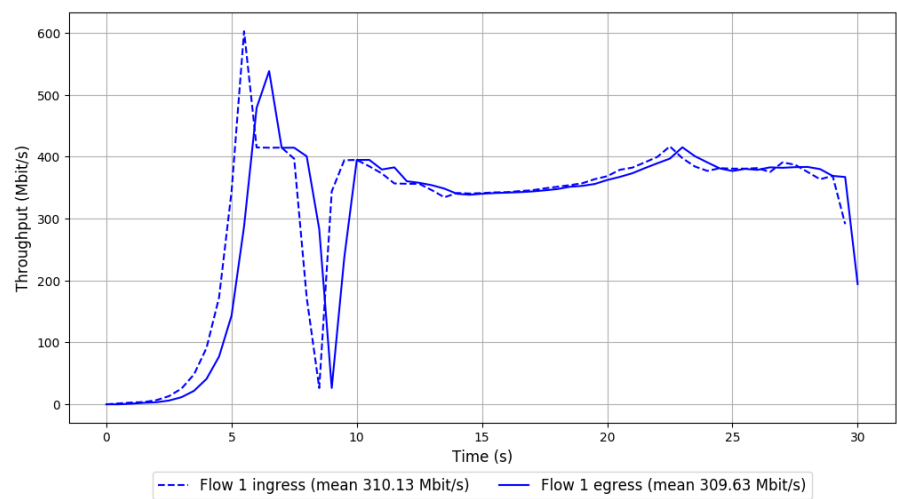
-- Flow 1:

Average throughput: 309.63 Mbit/s

95th percentile per-packet one-way delay: 146.688 ms

Loss rate: 1.07%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-26 00:48:33

End at: 2018-07-26 00:49:03

Local clock offset: -0.021 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-07-26 04:28:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 257.28 Mbit/s

95th percentile per-packet one-way delay: 165.262 ms

Loss rate: 2.19%

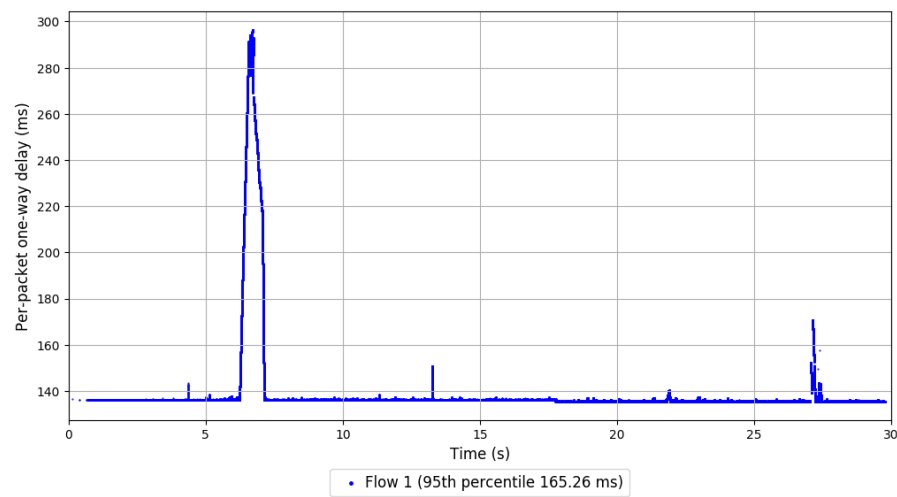
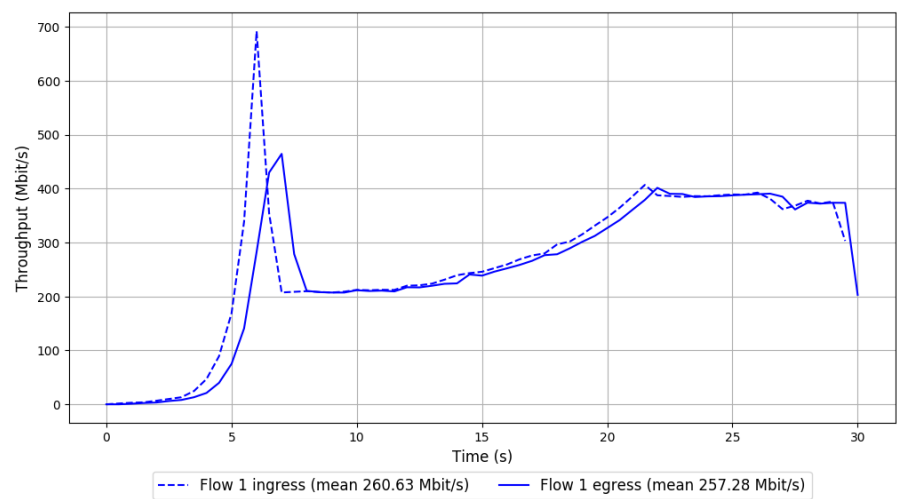
-- Flow 1:

Average throughput: 257.28 Mbit/s

95th percentile per-packet one-way delay: 165.262 ms

Loss rate: 2.19%

Run 6: Report of PCC-Vivace — Data Link

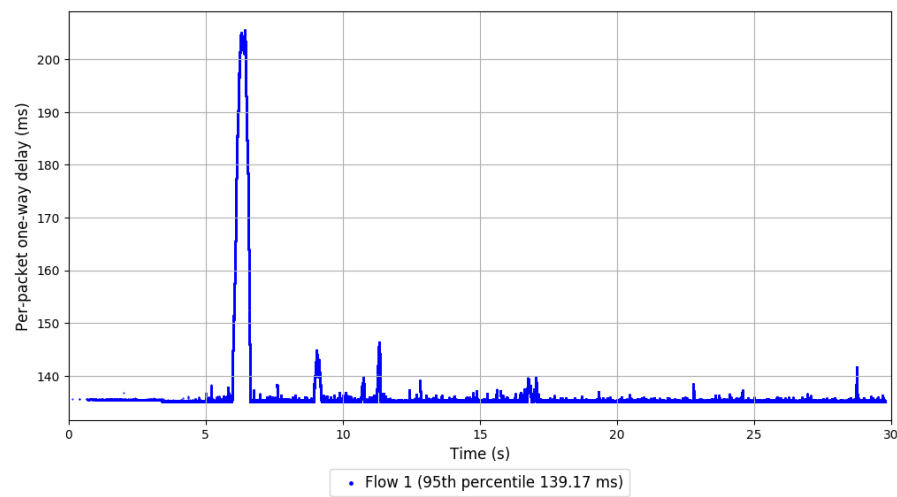
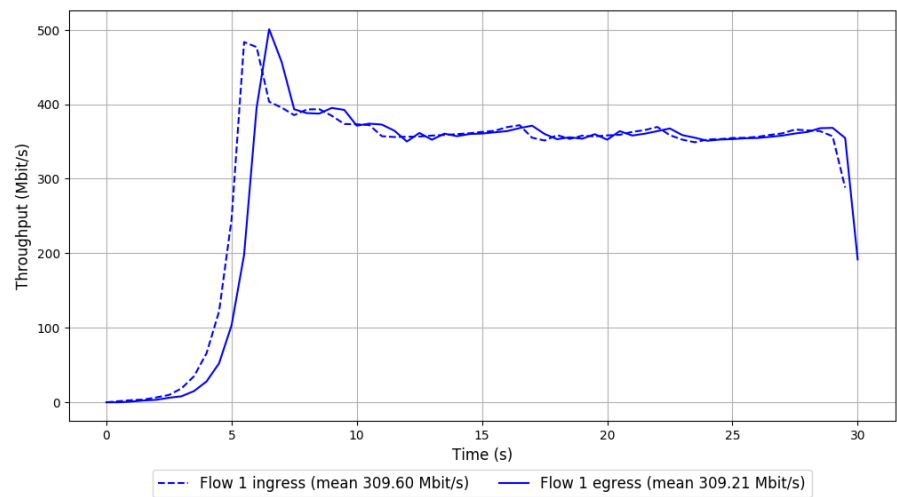


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-26 01:11:18
End at: 2018-07-26 01:11:48
Local clock offset: 0.192 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-26 04:29:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 309.21 Mbit/s
95th percentile per-packet one-way delay: 139.167 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 309.21 Mbit/s
95th percentile per-packet one-way delay: 139.167 ms
Loss rate: 1.04%

Run 7: Report of PCC-Vivace — Data Link

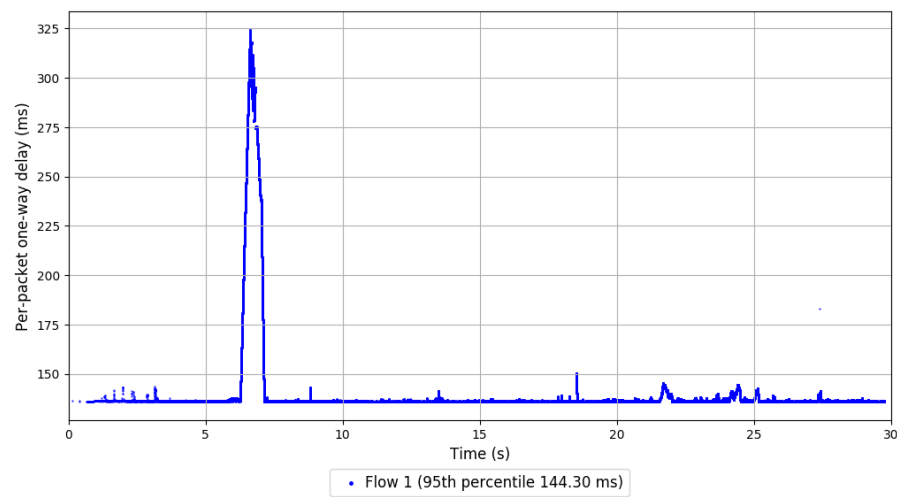
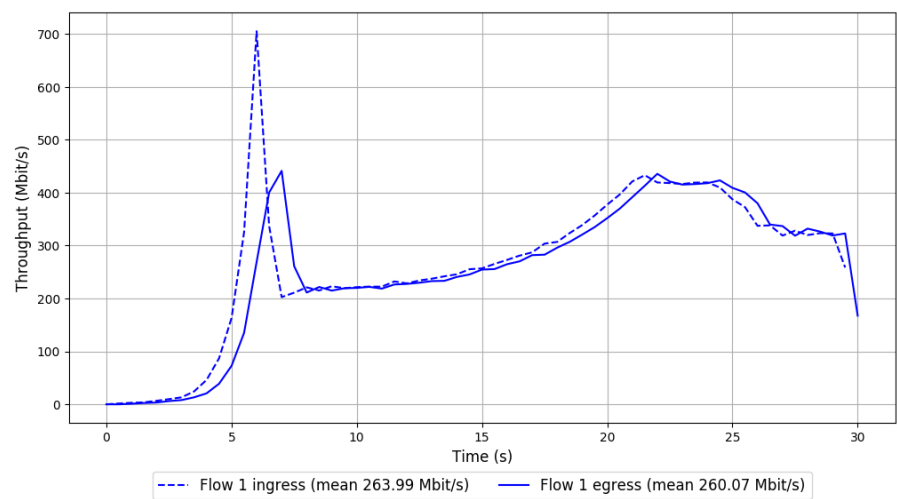


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-26 01:34:30
End at: 2018-07-26 01:35:00
Local clock offset: -0.213 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-26 04:29:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 260.07 Mbit/s
95th percentile per-packet one-way delay: 144.296 ms
Loss rate: 2.38%
-- Flow 1:
Average throughput: 260.07 Mbit/s
95th percentile per-packet one-way delay: 144.296 ms
Loss rate: 2.38%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-26 01:57:09

End at: 2018-07-26 01:57:39

Local clock offset: 1.946 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-07-26 04:29:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 259.69 Mbit/s

95th percentile per-packet one-way delay: 144.760 ms

Loss rate: 2.50%

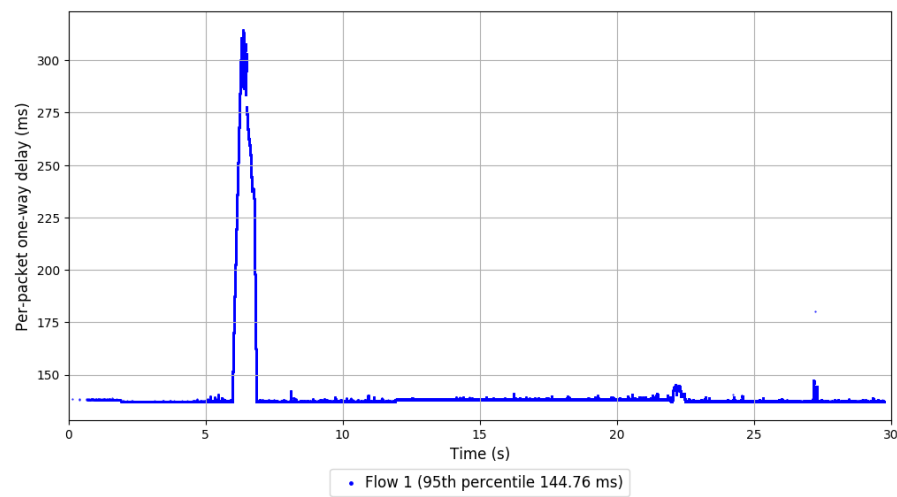
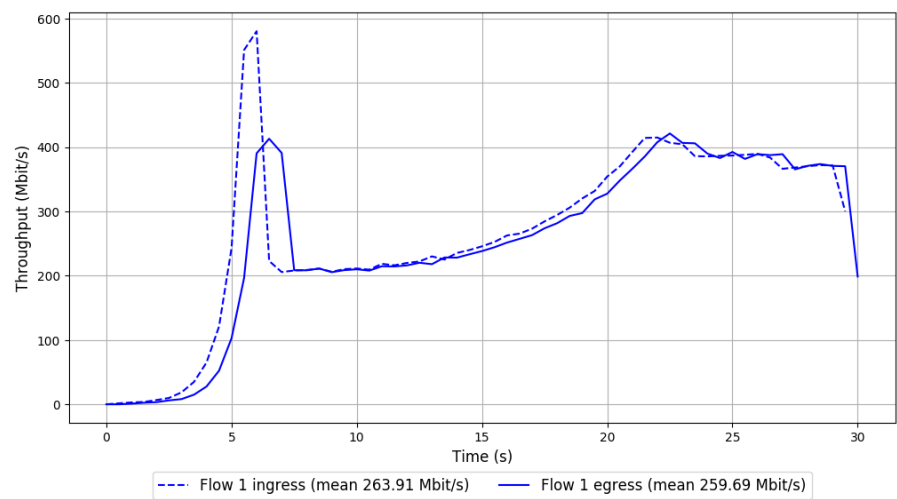
-- Flow 1:

Average throughput: 259.69 Mbit/s

95th percentile per-packet one-way delay: 144.760 ms

Loss rate: 2.50%

Run 9: Report of PCC-Vivace — Data Link

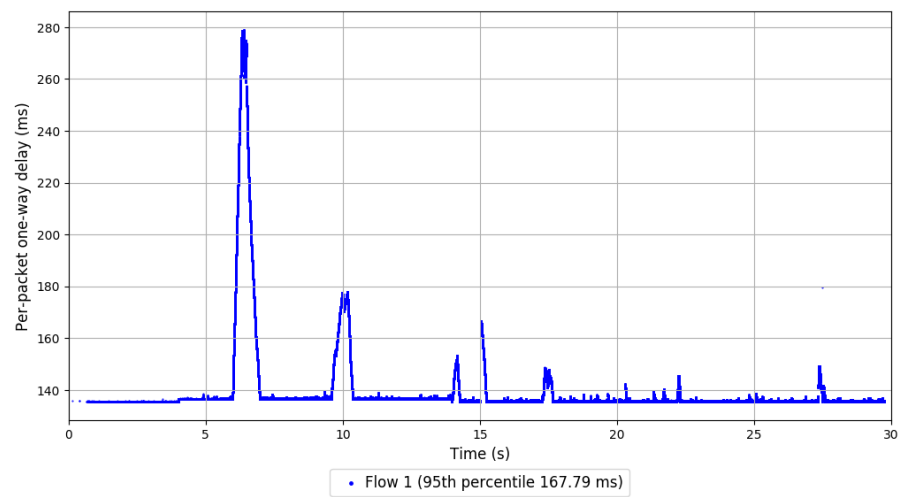
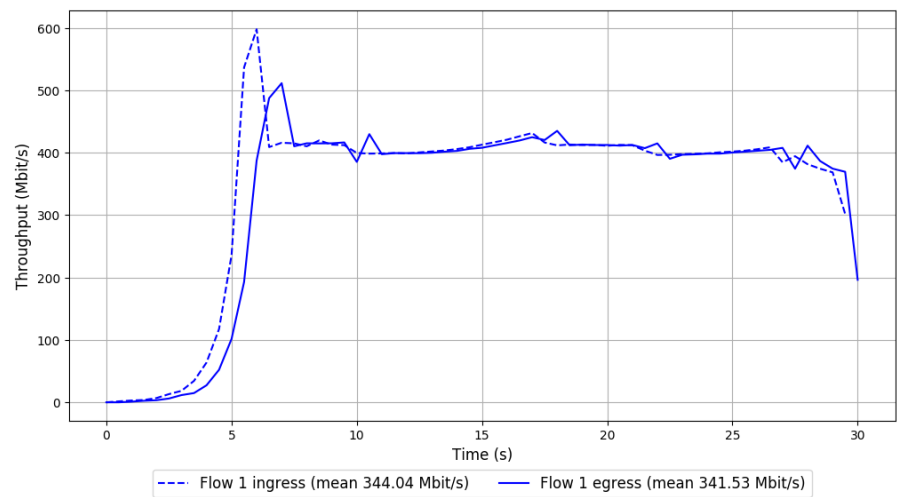


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-26 02:19:47
End at: 2018-07-26 02:20:17
Local clock offset: -0.009 ms
Remote clock offset: -0.325 ms

Below is generated by plot.py at 2018-07-26 04:29:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 341.53 Mbit/s
95th percentile per-packet one-way delay: 167.789 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 341.53 Mbit/s
95th percentile per-packet one-way delay: 167.789 ms
Loss rate: 1.63%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-07-25 23:02:48

End at: 2018-07-25 23:03:18

Local clock offset: 1.751 ms

Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-07-26 04:29:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.52 Mbit/s

95th percentile per-packet one-way delay: 138.068 ms

Loss rate: 1.33%

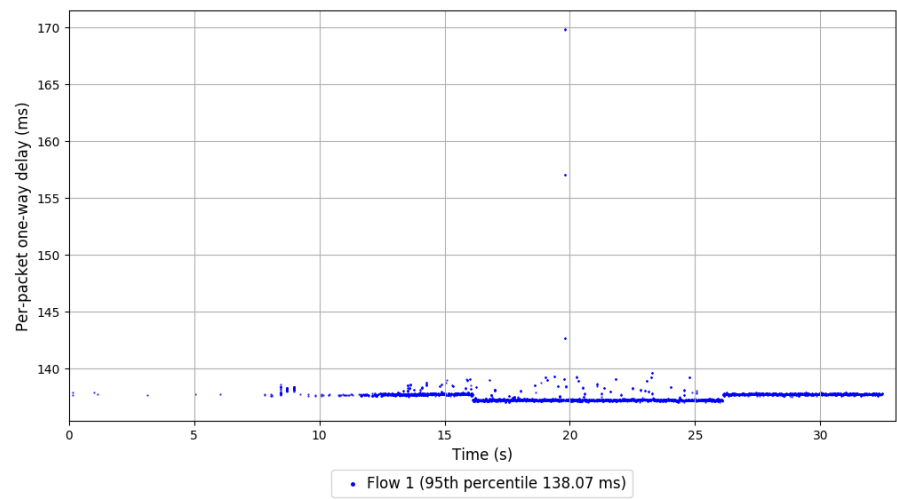
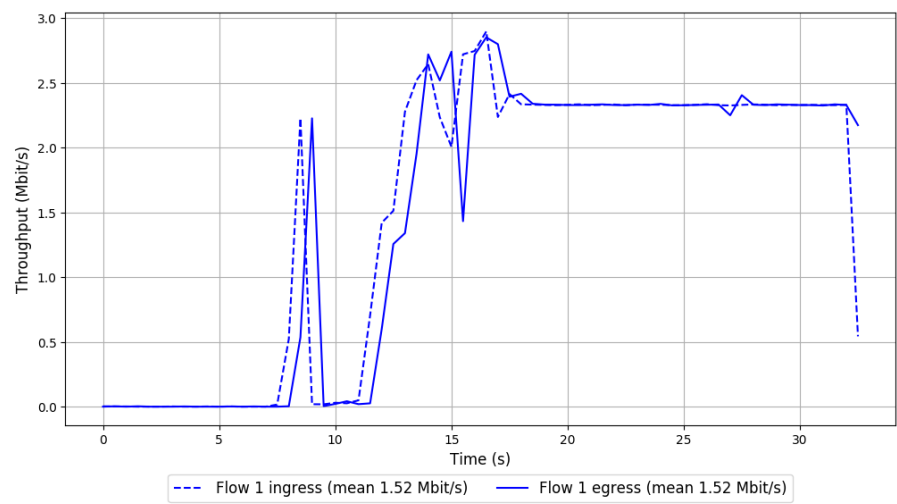
-- Flow 1:

Average throughput: 1.52 Mbit/s

95th percentile per-packet one-way delay: 138.068 ms

Loss rate: 1.33%

Run 1: Report of WebRTC media — Data Link

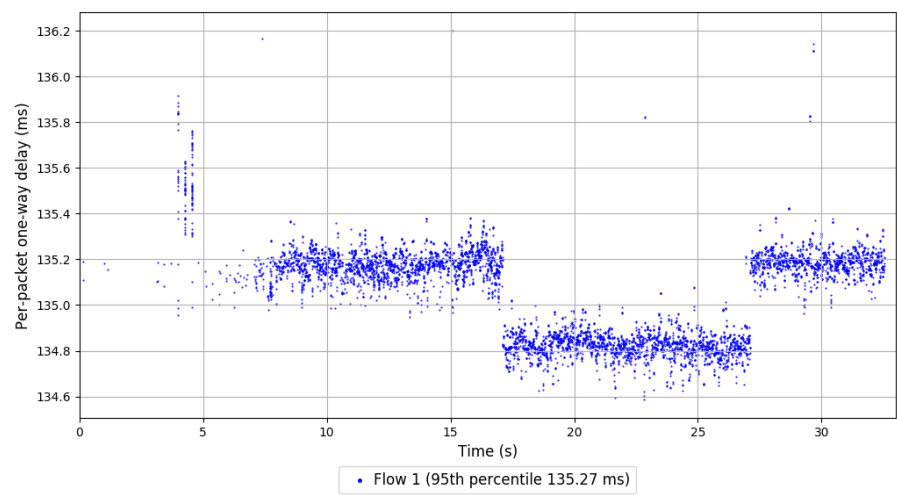
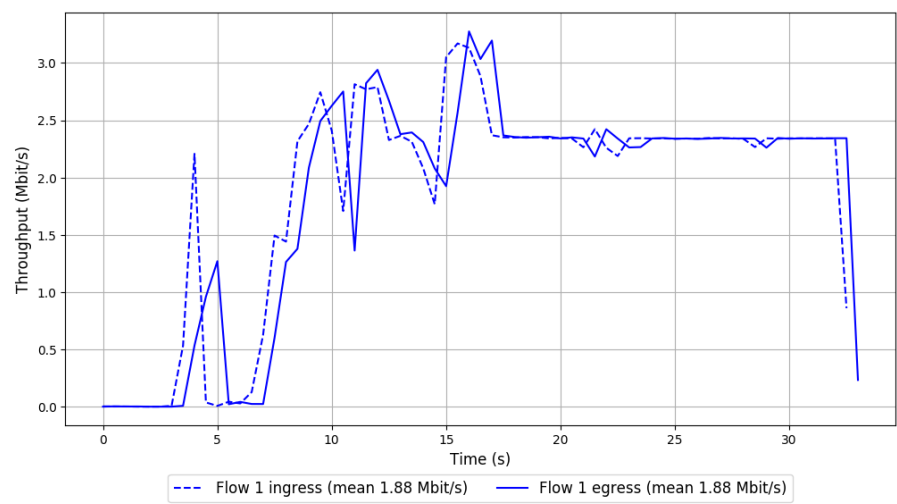


Run 2: Statistics of WebRTC media

Start at: 2018-07-25 23:25:27
End at: 2018-07-25 23:25:57
Local clock offset: 0.036 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-26 04:29:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 135.271 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 135.271 ms
Loss rate: 1.02%

Run 2: Report of WebRTC media — Data Link

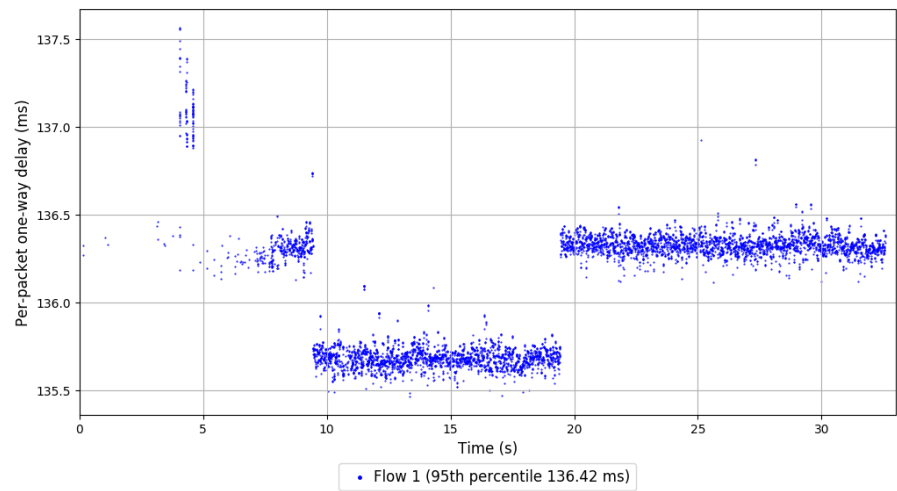
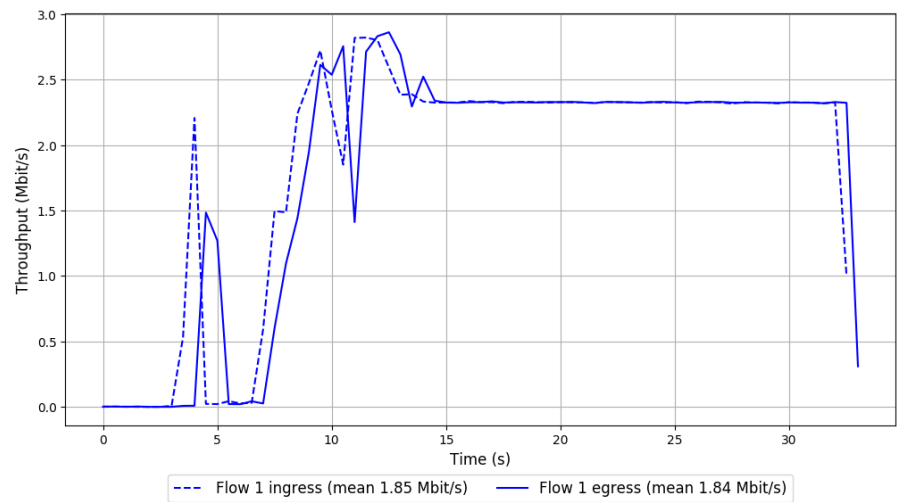


Run 3: Statistics of WebRTC media

Start at: 2018-07-25 23:48:24
End at: 2018-07-25 23:48:54
Local clock offset: 0.165 ms
Remote clock offset: -0.313 ms

Below is generated by plot.py at 2018-07-26 04:29:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 136.416 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 136.416 ms
Loss rate: 1.09%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-26 00:11:29

End at: 2018-07-26 00:11:59

Local clock offset: 0.01 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-26 04:29:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 136.544 ms

Loss rate: 1.02%

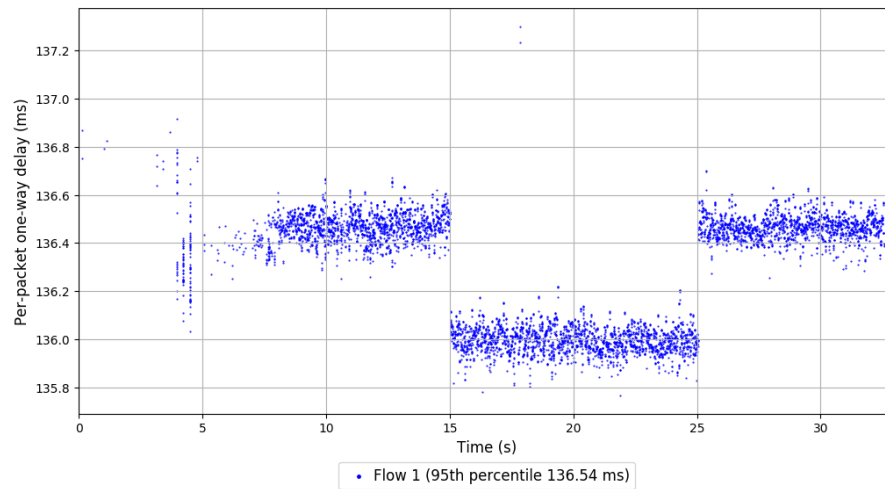
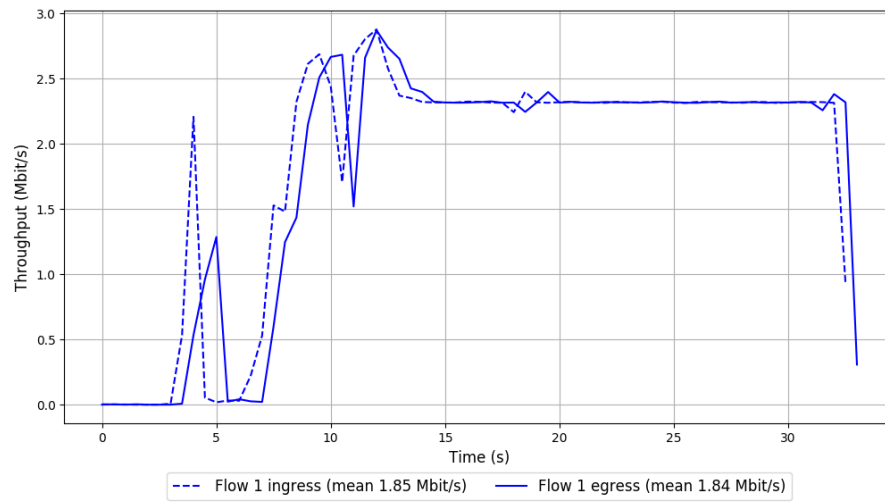
-- Flow 1:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 136.544 ms

Loss rate: 1.02%

Run 4: Report of WebRTC media — Data Link

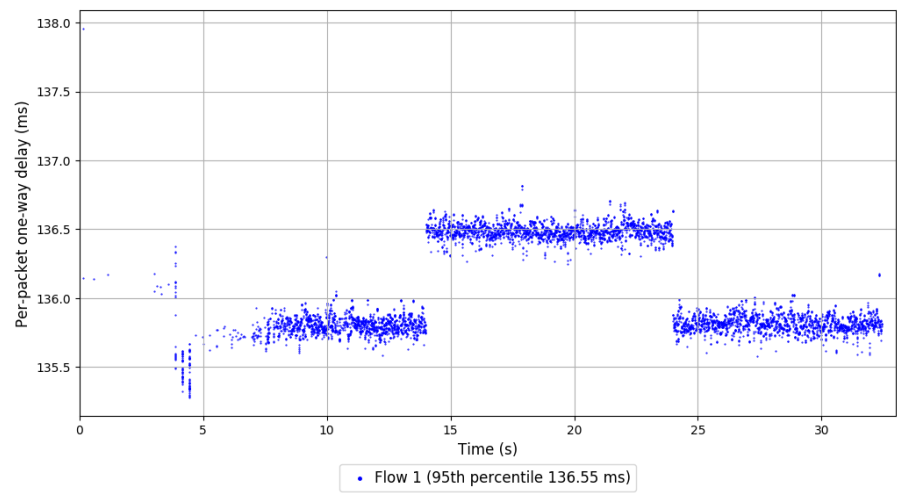
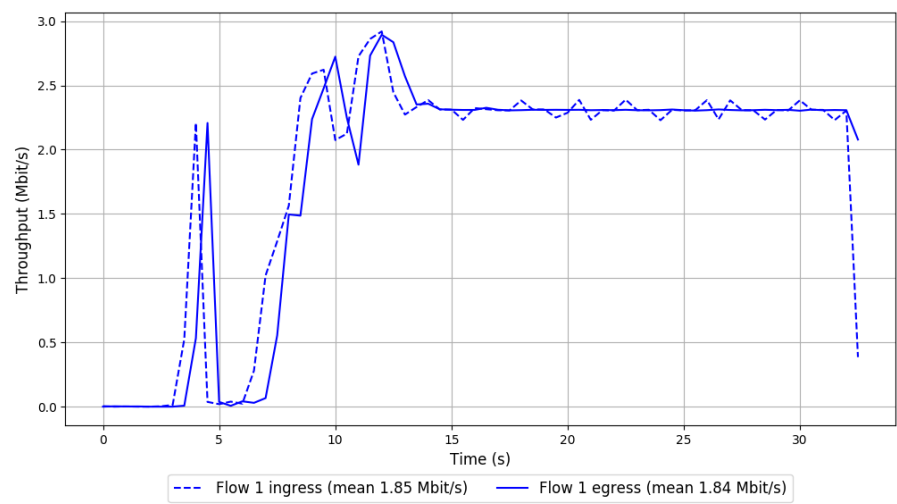


Run 5: Statistics of WebRTC media

Start at: 2018-07-26 00:34:30
End at: 2018-07-26 00:35:00
Local clock offset: -0.076 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-26 04:29:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 136.546 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 136.546 ms
Loss rate: 1.02%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-26 00:57:17

End at: 2018-07-26 00:57:47

Local clock offset: 1.645 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-07-26 04:29:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 138.228 ms

Loss rate: 1.09%

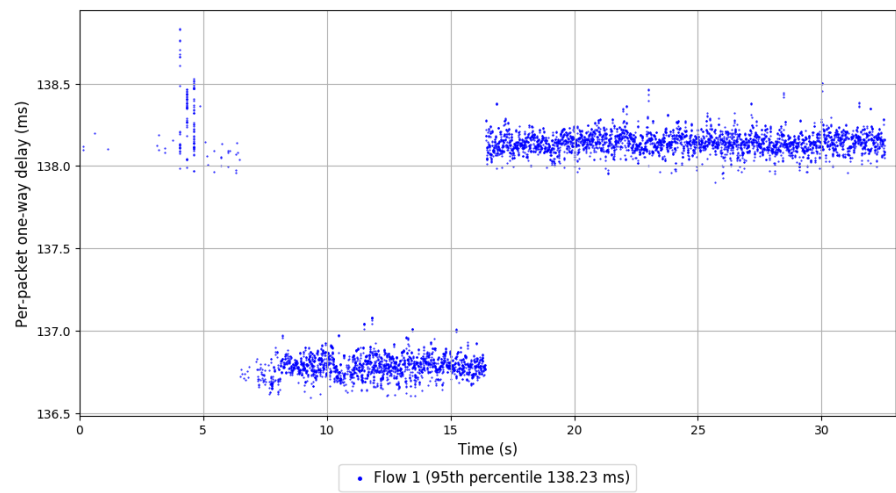
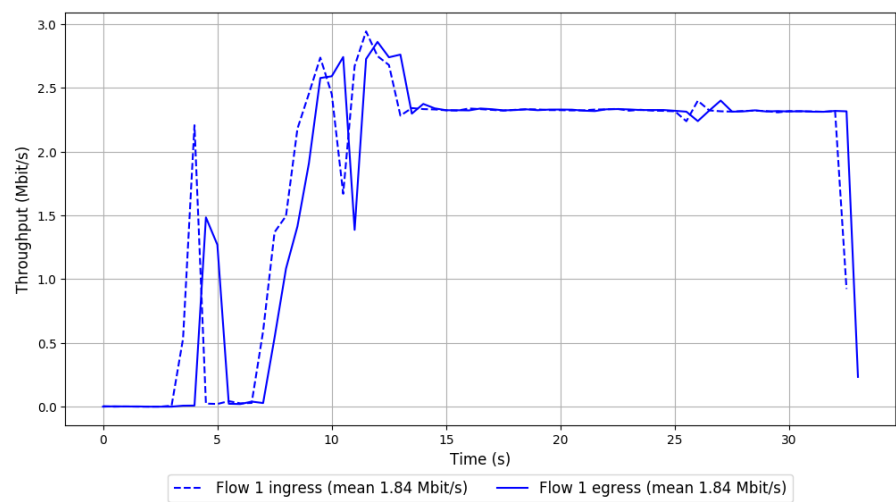
-- Flow 1:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 138.228 ms

Loss rate: 1.09%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-26 01:20:08

End at: 2018-07-26 01:20:38

Local clock offset: 1.737 ms

Remote clock offset: 0.318 ms

Below is generated by plot.py at 2018-07-26 04:29:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 138.392 ms

Loss rate: 1.03%

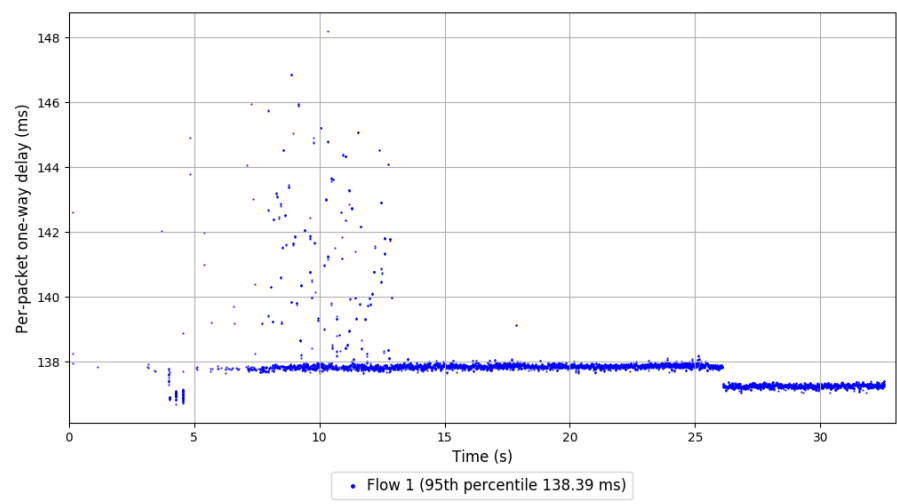
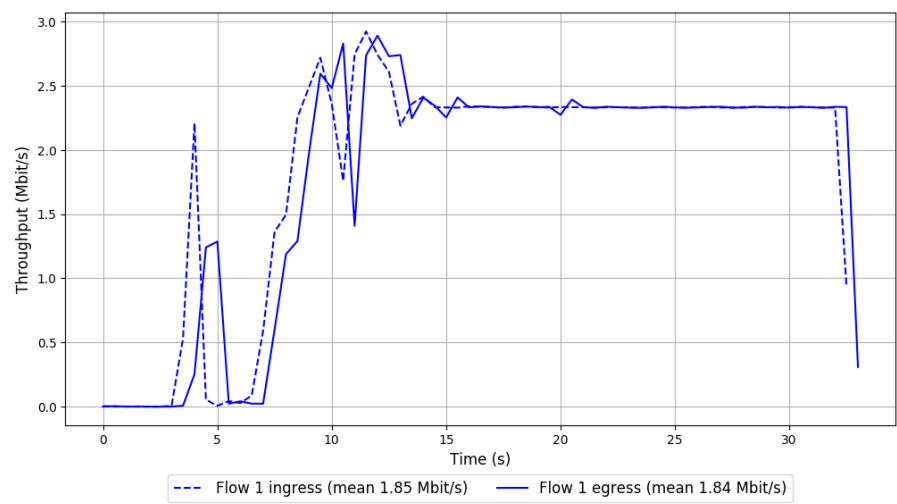
-- Flow 1:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 138.392 ms

Loss rate: 1.03%

Run 7: Report of WebRTC media — Data Link

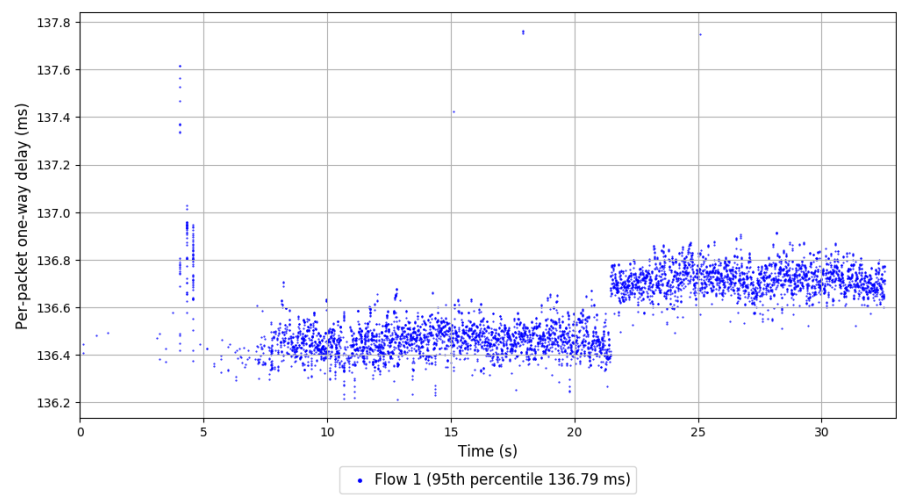
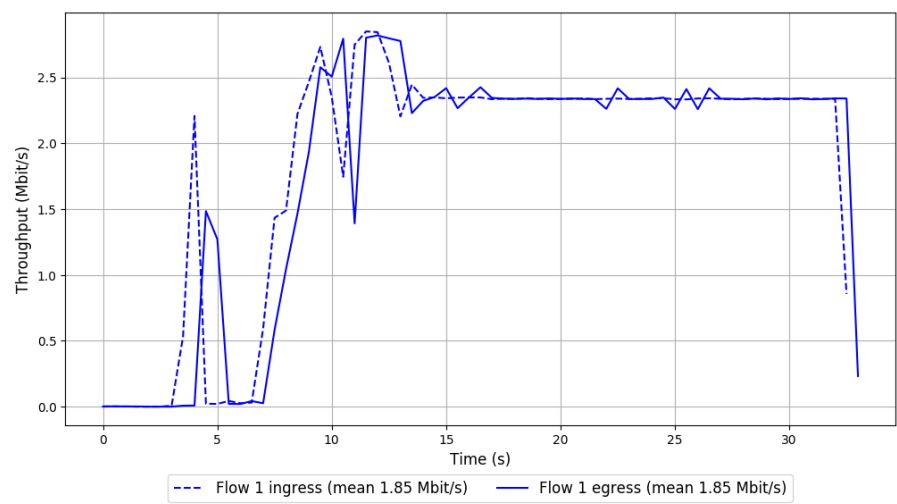


Run 8: Statistics of WebRTC media

Start at: 2018-07-26 01:43:12
End at: 2018-07-26 01:43:42
Local clock offset: 0.051 ms
Remote clock offset: -0.319 ms

Below is generated by plot.py at 2018-07-26 04:29:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 136.795 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 136.795 ms
Loss rate: 1.03%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-26 02:05:54

End at: 2018-07-26 02:06:24

Local clock offset: 0.159 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-07-26 04:29:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 136.896 ms

Loss rate: 1.10%

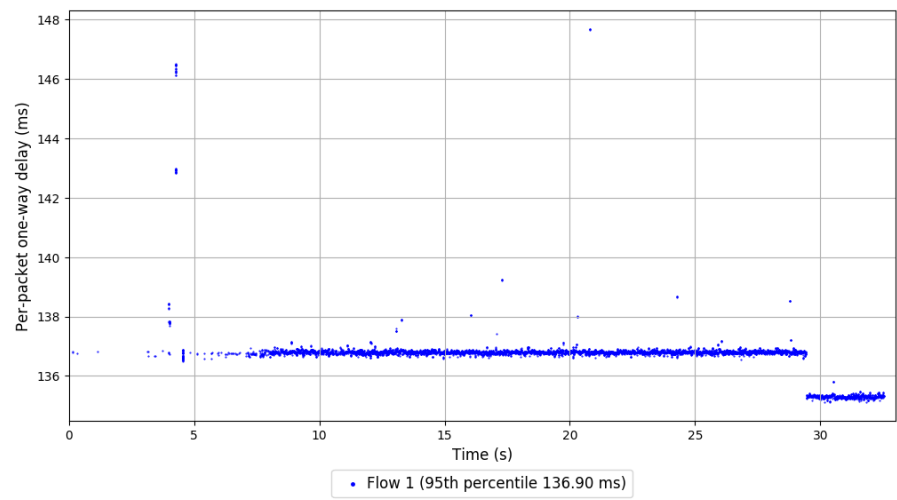
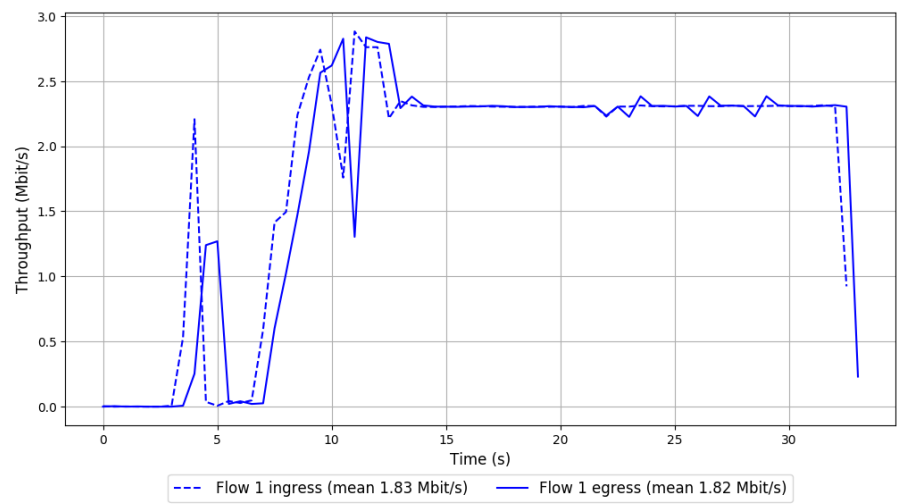
-- Flow 1:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 136.896 ms

Loss rate: 1.10%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-26 02:28:43

End at: 2018-07-26 02:29:13

Local clock offset: 0.266 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-26 04:29:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 136.614 ms

Loss rate: 1.02%

-- Flow 1:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 136.614 ms

Loss rate: 1.02%

Run 10: Report of WebRTC media — Data Link

