

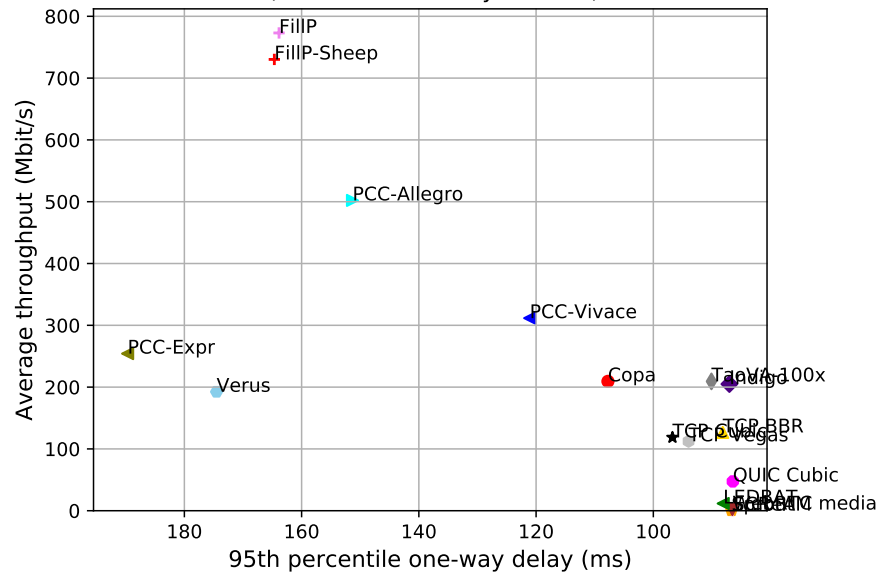
Pantheon Report

Generated at 2018-08-01 04:34:04 (UTC).
Data path: GCE Sydney Ethernet (*local*) → GCE Iowa Ethernet (*remote*).
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.

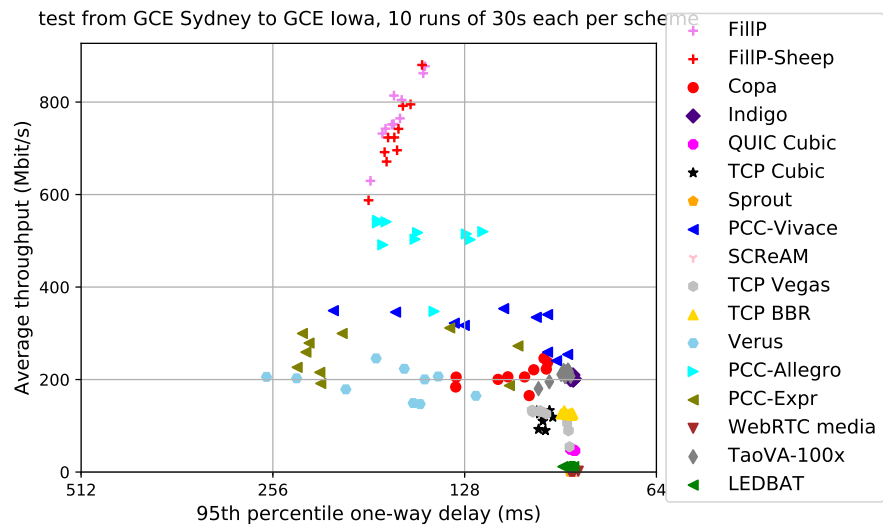
Git summary:

```
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 Sydney to GCE Iowa, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from GCE Sydney to GCE Iowa, 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	126.69	88.15	0.00
Copa	10	209.32	107.75	0.04
TCP Cubic	10	118.59	96.74	0.00
FillP	10	773.06	163.85	5.73
FillP-Sheep	10	730.23	164.65	3.13
Indigo	9	204.97	87.02	0.00
LEDBAT	10	11.69	88.08	0.00
PCC-Allegro	10	502.10	151.32	1.73
PCC-Expr	10	254.21	189.68	3.91
QUIC Cubic	5	47.40	86.44	0.00
SCReAM	10	0.22	86.48	0.00
Sprout	10	0.26	86.67	0.00
TaoVA-100x	10	209.26	90.09	0.00
TCP Vegas	10	112.33	93.99	0.01
Verus	10	192.45	174.51	4.61
PCC-Vivace	10	311.63	121.09	0.19
WebRTC media	10	1.89	86.52	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-31 23:05:44

End at: 2018-07-31 23:06:14

Local clock offset: 11.714 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-08-01 02:53:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 125.40 Mbit/s

95th percentile per-packet one-way delay: 87.687 ms

Loss rate: 0.00%

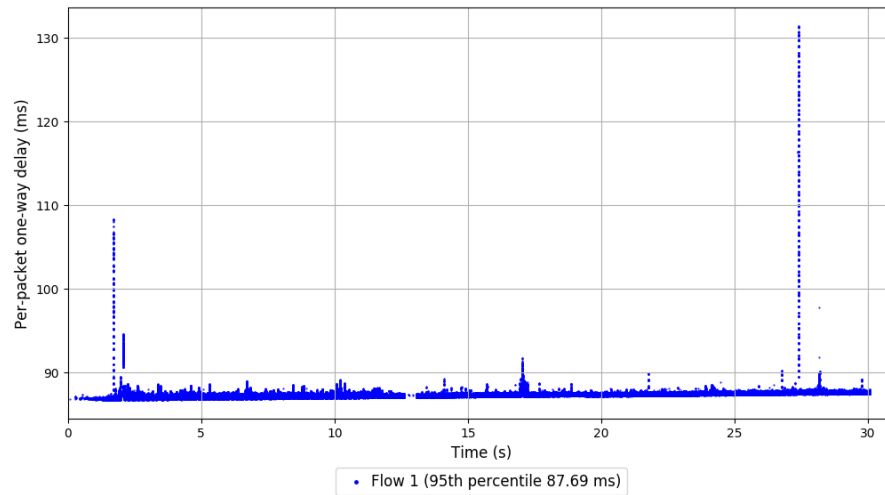
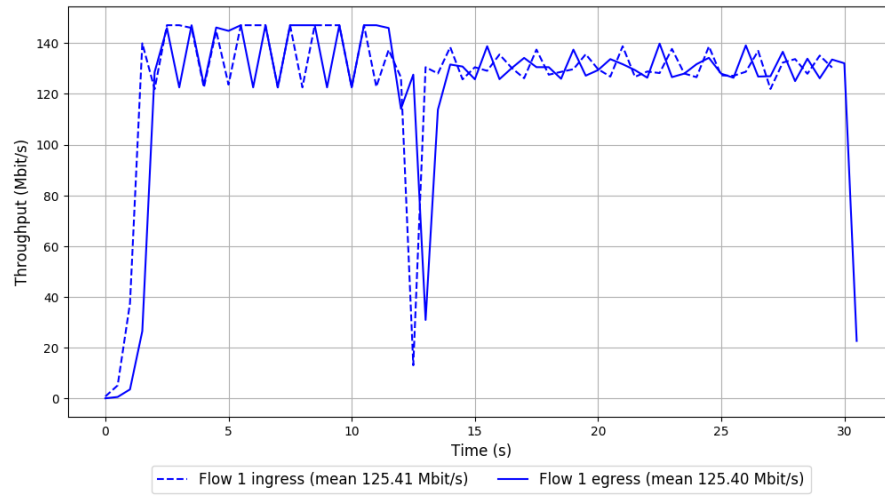
-- Flow 1:

Average throughput: 125.40 Mbit/s

95th percentile per-packet one-way delay: 87.687 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-31 23:28:05

End at: 2018-07-31 23:28:35

Local clock offset: 24.649 ms

Remote clock offset: 0.087 ms

Below is generated by plot.py at 2018-08-01 02:53:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 124.60 Mbit/s

95th percentile per-packet one-way delay: 88.567 ms

Loss rate: 0.00%

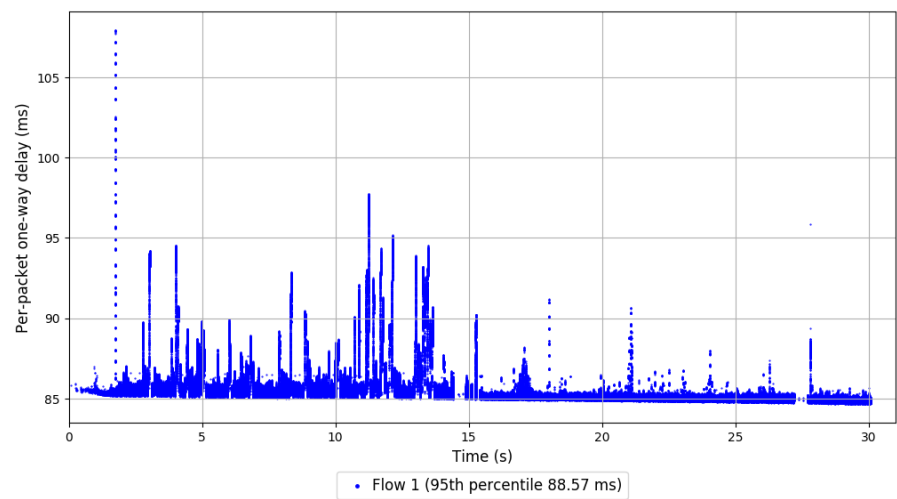
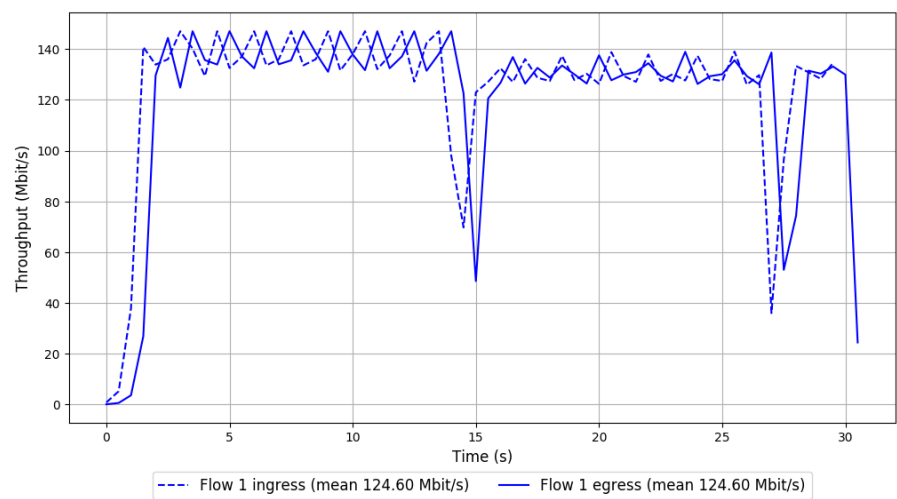
-- Flow 1:

Average throughput: 124.60 Mbit/s

95th percentile per-packet one-way delay: 88.567 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-31 23:50:21

End at: 2018-07-31 23:50:51

Local clock offset: 29.572 ms

Remote clock offset: 0.228 ms

Below is generated by plot.py at 2018-08-01 02:53:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 125.75 Mbit/s

95th percentile per-packet one-way delay: 90.348 ms

Loss rate: 0.00%

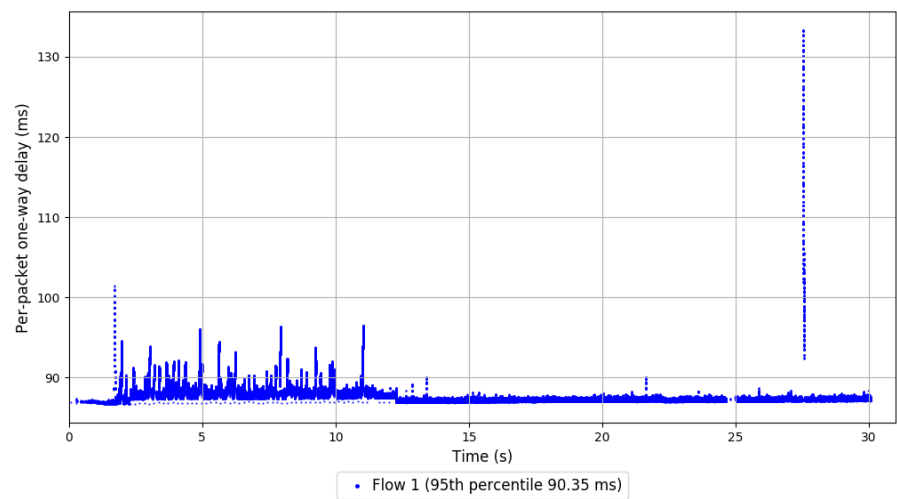
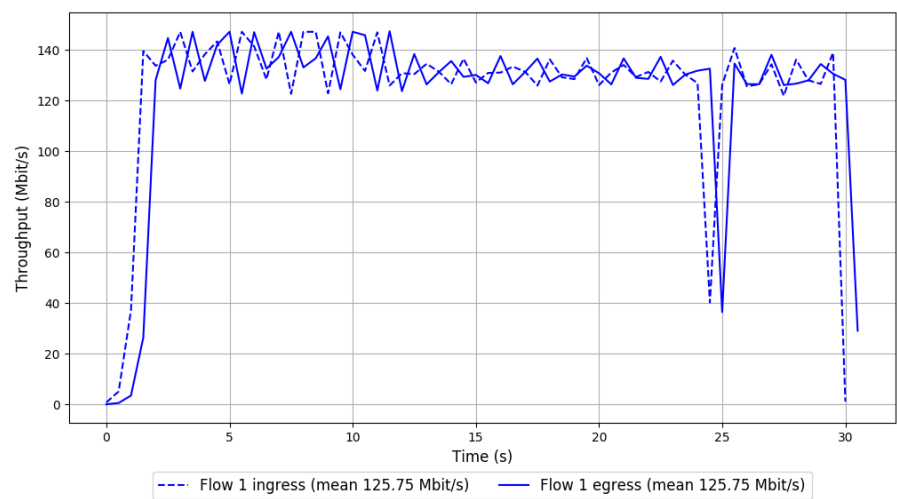
-- Flow 1:

Average throughput: 125.75 Mbit/s

95th percentile per-packet one-way delay: 90.348 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-08-01 00:13:17

End at: 2018-08-01 00:13:47

Local clock offset: 16.389 ms

Remote clock offset: 0.362 ms

Below is generated by plot.py at 2018-08-01 02:53:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.71 Mbit/s

95th percentile per-packet one-way delay: 89.317 ms

Loss rate: 0.00%

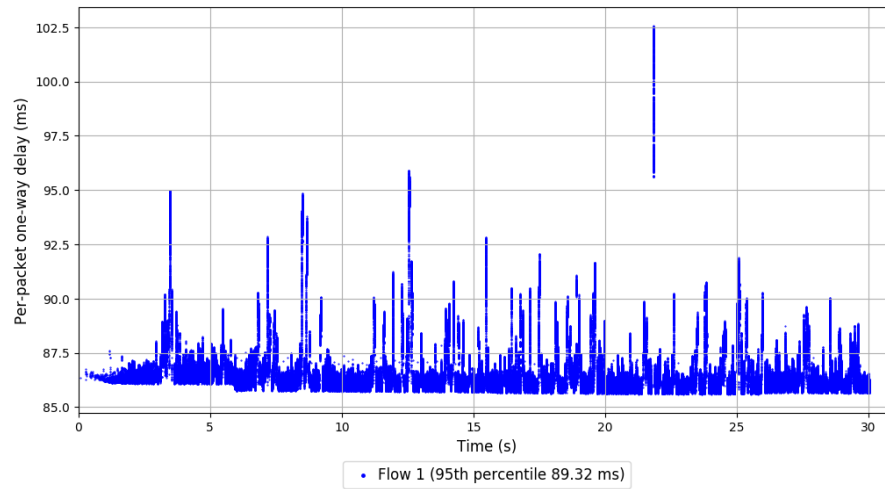
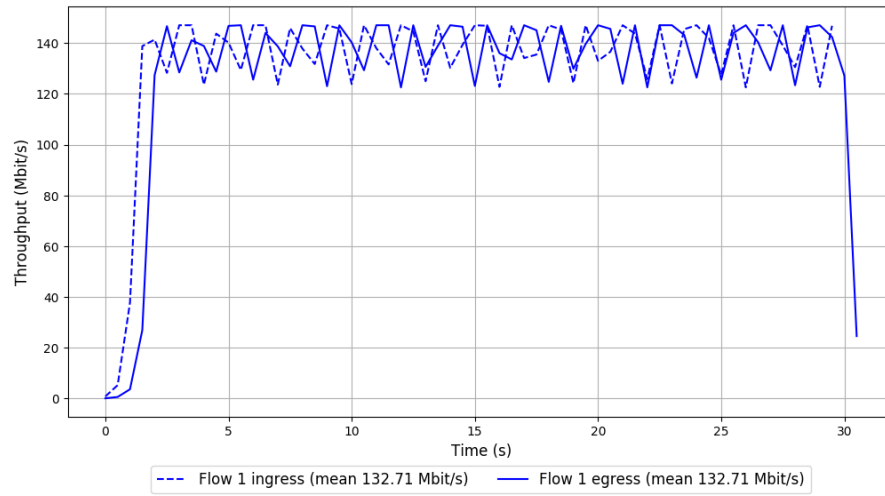
-- Flow 1:

Average throughput: 132.71 Mbit/s

95th percentile per-packet one-way delay: 89.317 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-08-01 00:36:06

End at: 2018-08-01 00:36:36

Local clock offset: 17.778 ms

Remote clock offset: 0.542 ms

Below is generated by plot.py at 2018-08-01 02:53:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 125.97 Mbit/s

95th percentile per-packet one-way delay: 87.235 ms

Loss rate: 0.00%

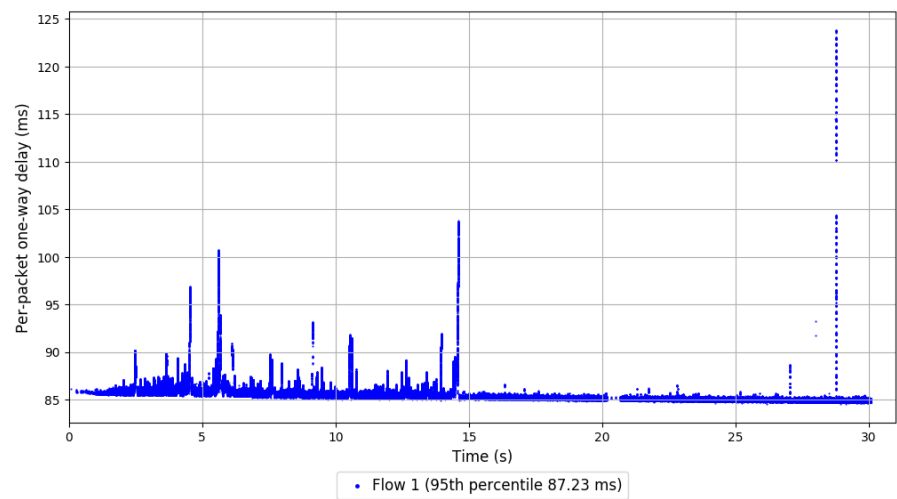
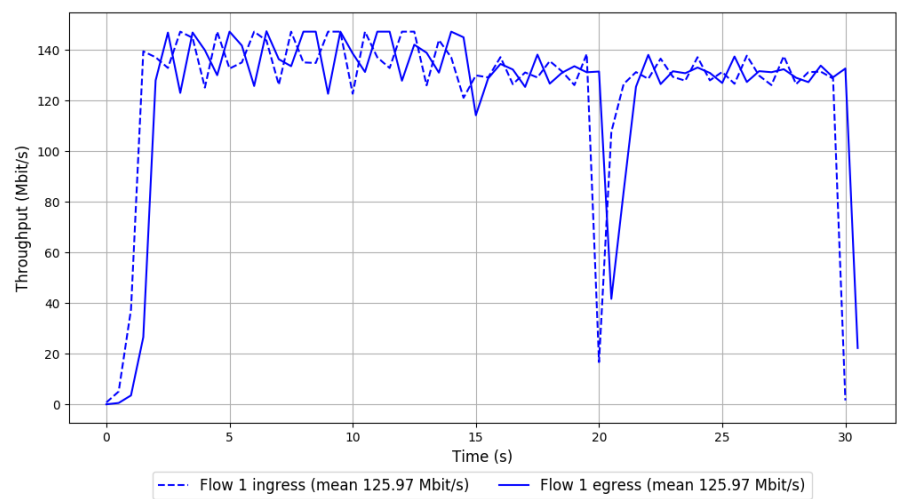
-- Flow 1:

Average throughput: 125.97 Mbit/s

95th percentile per-packet one-way delay: 87.235 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-08-01 00:58:52

End at: 2018-08-01 00:59:22

Local clock offset: 8.313 ms

Remote clock offset: 0.706 ms

Below is generated by plot.py at 2018-08-01 02:53:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 125.77 Mbit/s

95th percentile per-packet one-way delay: 86.526 ms

Loss rate: 0.00%

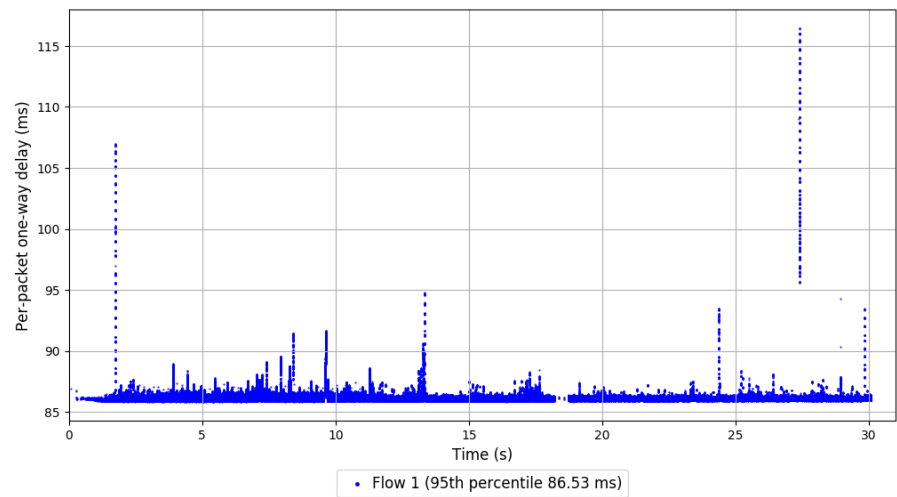
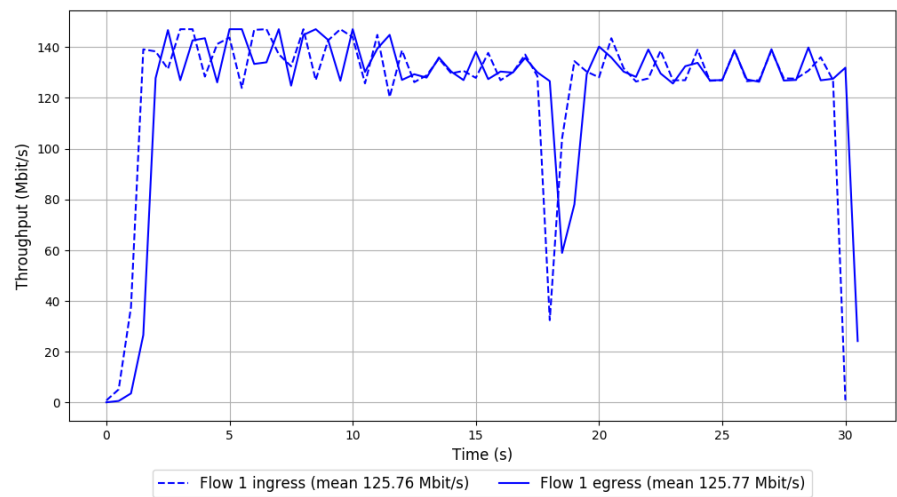
-- Flow 1:

Average throughput: 125.77 Mbit/s

95th percentile per-packet one-way delay: 86.526 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-08-01 01:21:27

End at: 2018-08-01 01:21:57

Local clock offset: 4.136 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-08-01 02:53:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 126.51 Mbit/s

95th percentile per-packet one-way delay: 88.660 ms

Loss rate: 0.00%

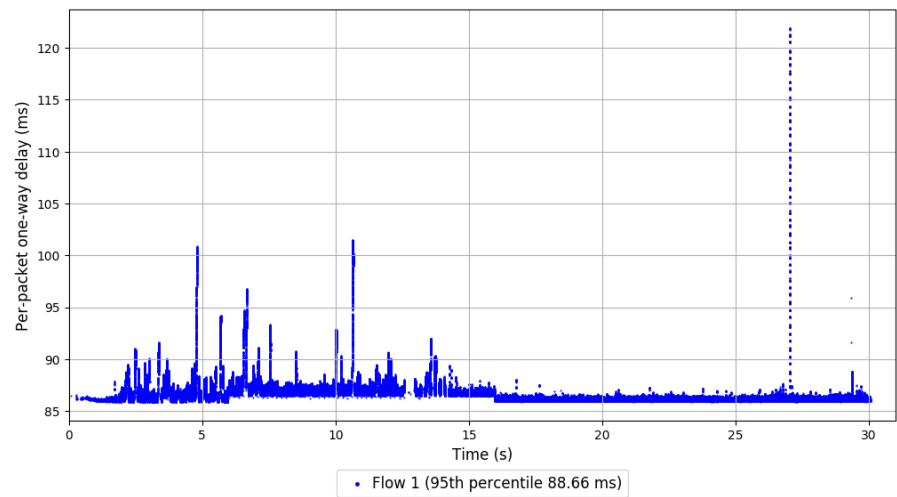
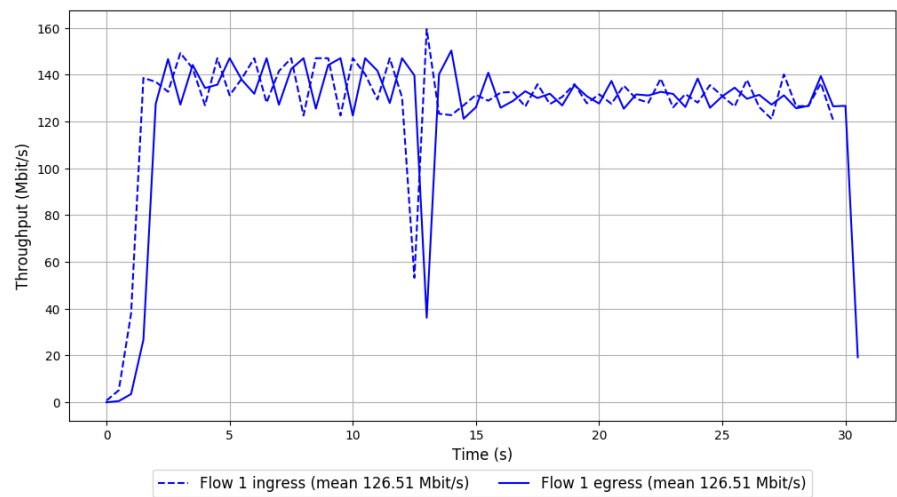
-- Flow 1:

Average throughput: 126.51 Mbit/s

95th percentile per-packet one-way delay: 88.660 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-08-01 01:43:49

End at: 2018-08-01 01:44:19

Local clock offset: 4.504 ms

Remote clock offset: -0.23 ms

Below is generated by plot.py at 2018-08-01 02:53:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 127.77 Mbit/s

95th percentile per-packet one-way delay: 86.955 ms

Loss rate: 0.00%

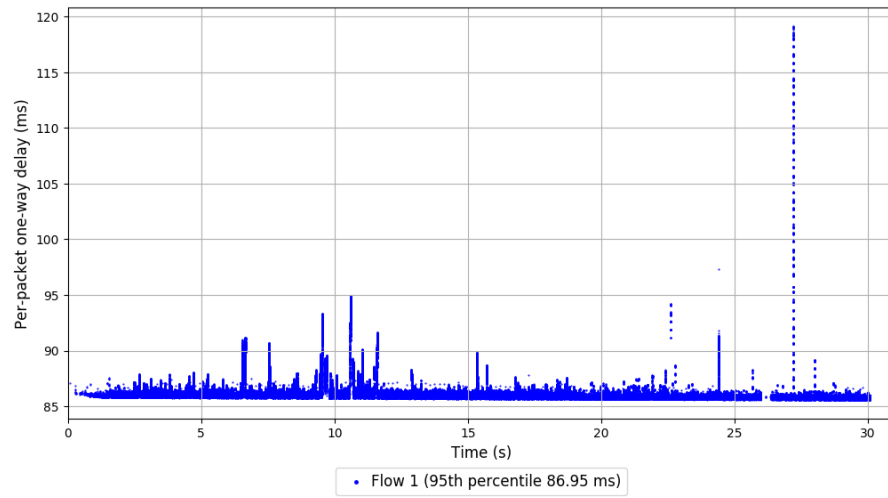
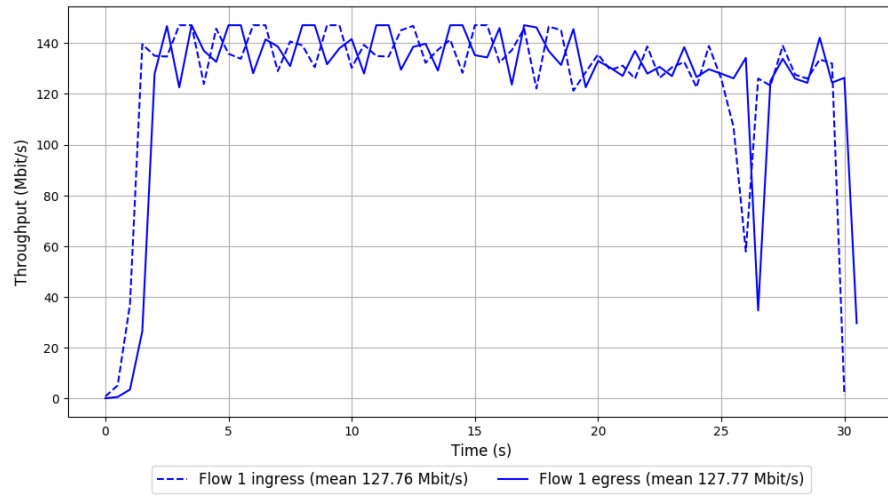
-- Flow 1:

Average throughput: 127.77 Mbit/s

95th percentile per-packet one-way delay: 86.955 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link

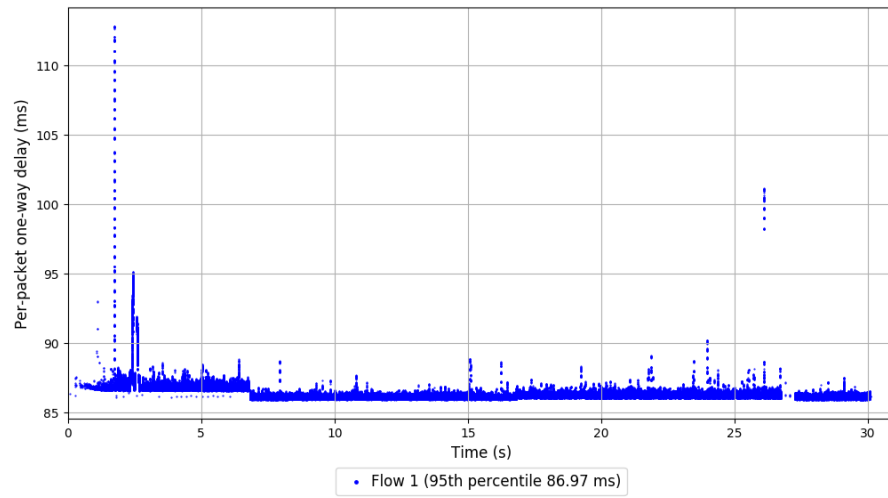
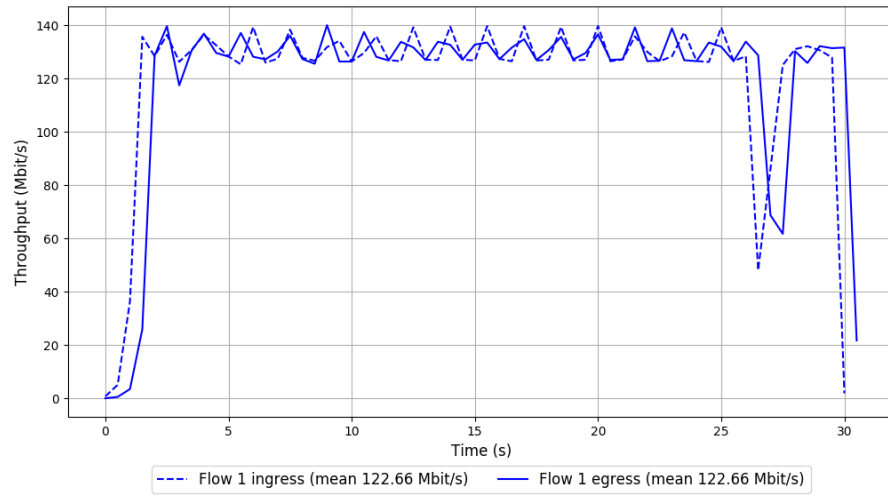


Run 9: Statistics of TCP BBR

Start at: 2018-08-01 02:06:16
End at: 2018-08-01 02:06:46
Local clock offset: 1.131 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2018-08-01 02:55:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 122.66 Mbit/s
95th percentile per-packet one-way delay: 86.968 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 122.66 Mbit/s
95th percentile per-packet one-way delay: 86.968 ms
Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-08-01 02:28:37

End at: 2018-08-01 02:29:07

Local clock offset: 0.398 ms

Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-08-01 02:55:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 129.72 Mbit/s

95th percentile per-packet one-way delay: 89.282 ms

Loss rate: 0.00%

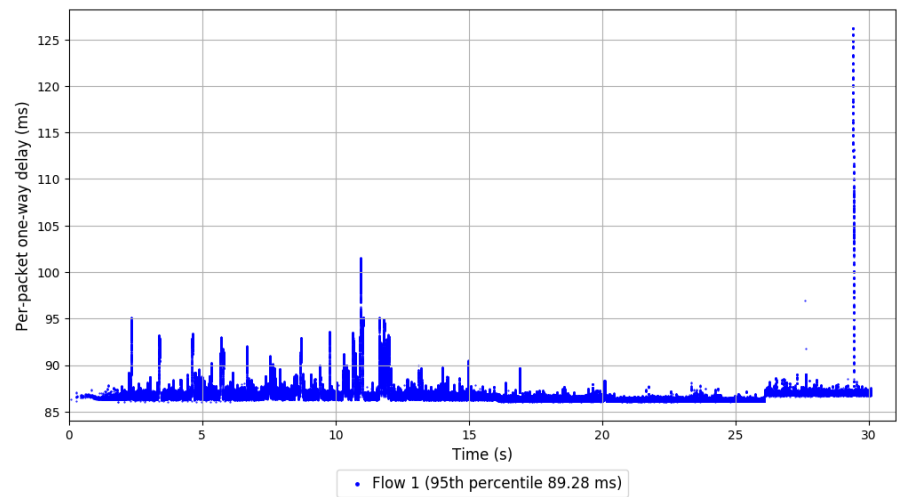
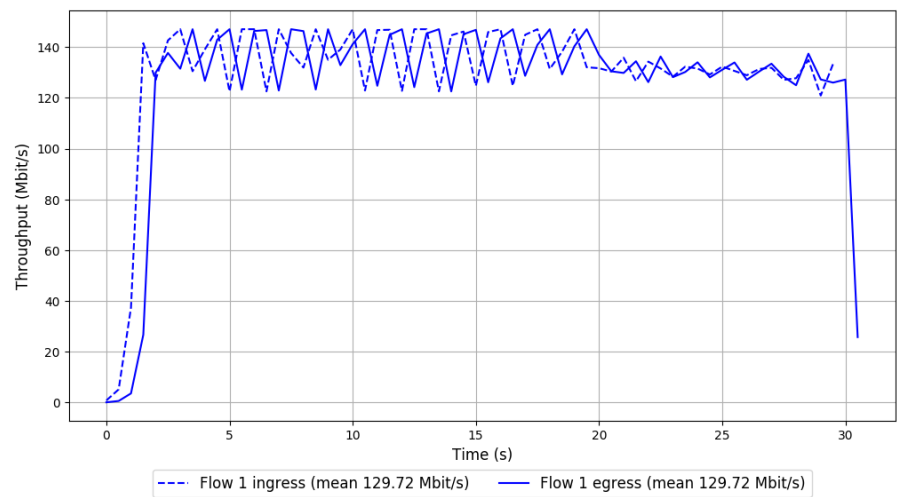
-- Flow 1:

Average throughput: 129.72 Mbit/s

95th percentile per-packet one-way delay: 89.282 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-31 23:02:45

End at: 2018-07-31 23:03:15

Local clock offset: 8.944 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-08-01 03:01:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 237.04 Mbit/s

95th percentile per-packet one-way delay: 94.825 ms

Loss rate: 0.01%

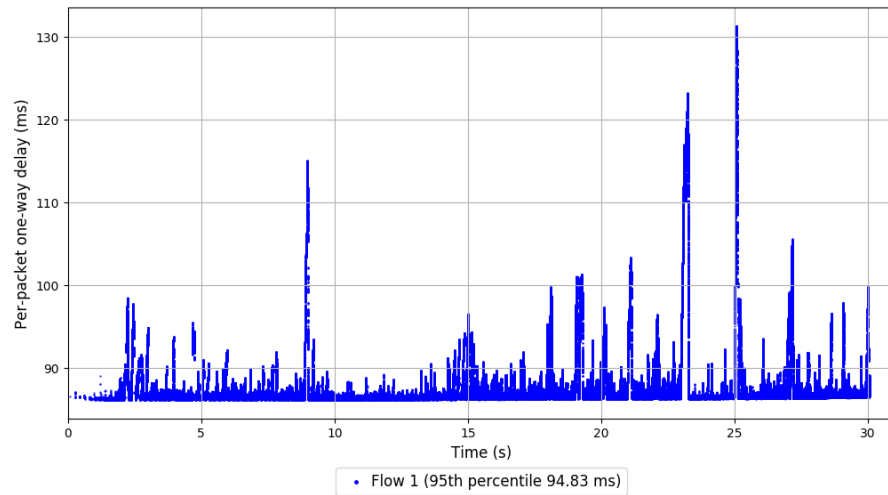
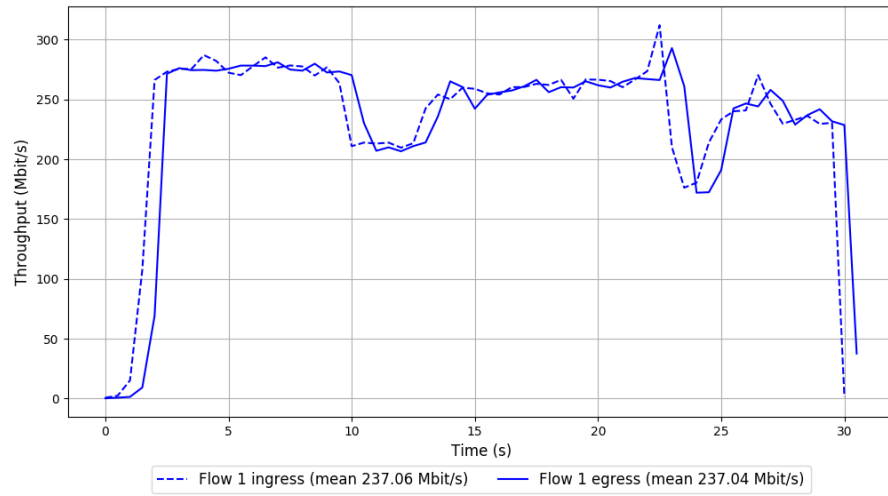
-- Flow 1:

Average throughput: 237.04 Mbit/s

95th percentile per-packet one-way delay: 94.825 ms

Loss rate: 0.01%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-31 23:25:04

End at: 2018-07-31 23:25:34

Local clock offset: 25.34 ms

Remote clock offset: 0.067 ms

Below is generated by plot.py at 2018-08-01 03:01:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.93 Mbit/s

95th percentile per-packet one-way delay: 109.493 ms

Loss rate: 0.00%

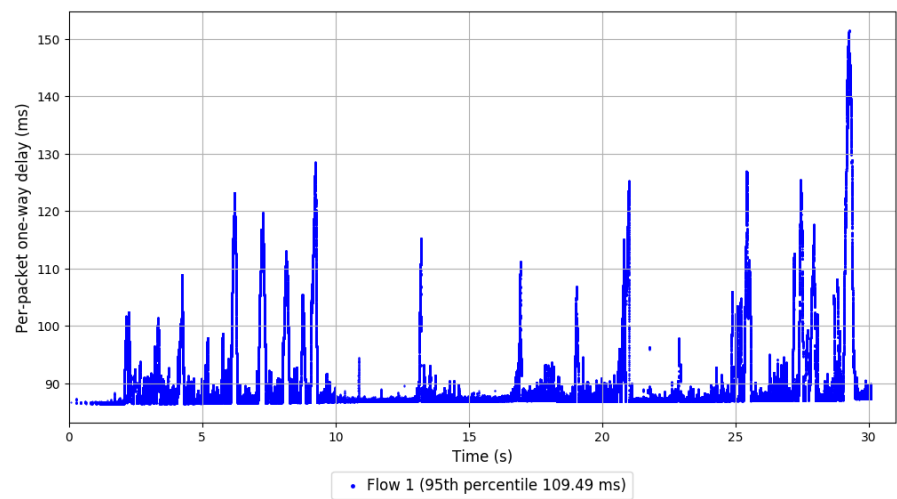
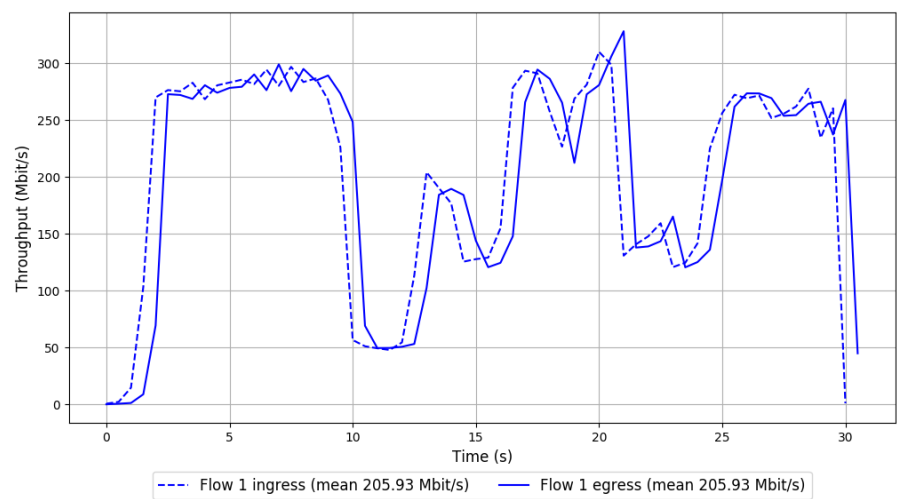
-- Flow 1:

Average throughput: 205.93 Mbit/s

95th percentile per-packet one-way delay: 109.493 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link

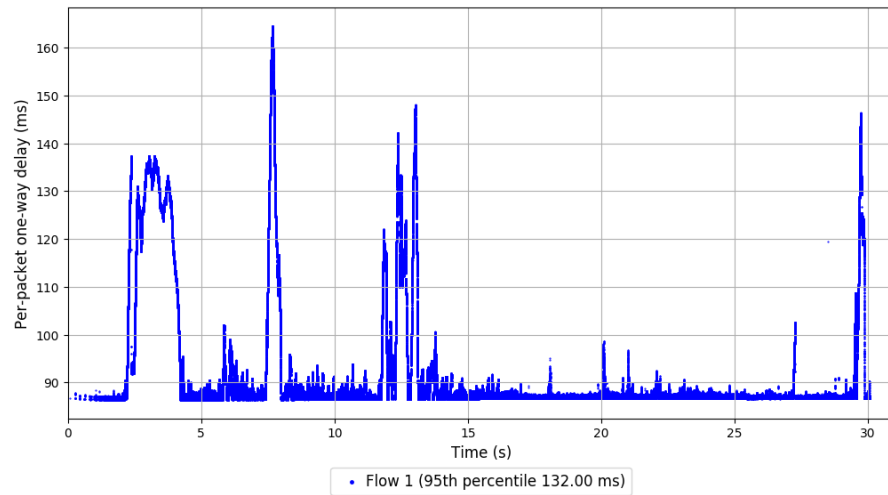
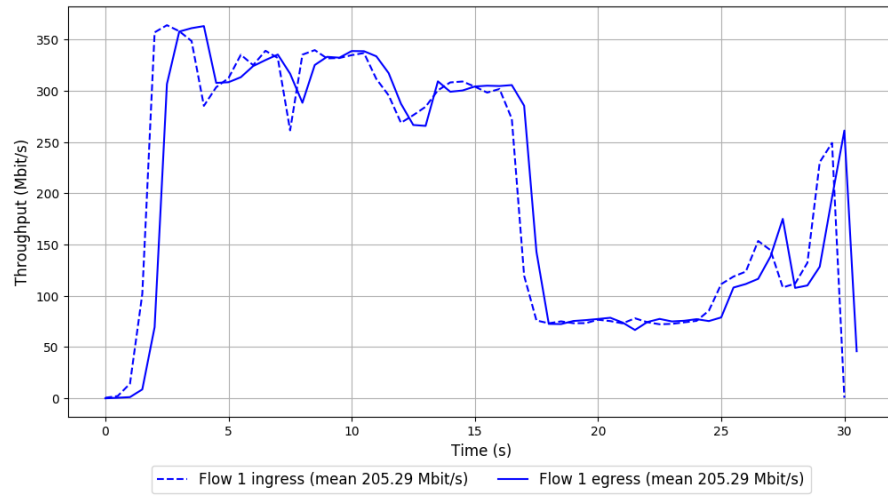


Run 3: Statistics of Copa

Start at: 2018-07-31 23:47:28
End at: 2018-07-31 23:47:58
Local clock offset: 26.967 ms
Remote clock offset: 0.159 ms

Below is generated by plot.py at 2018-08-01 03:01:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.29 Mbit/s
95th percentile per-packet one-way delay: 131.995 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 205.29 Mbit/s
95th percentile per-packet one-way delay: 131.995 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

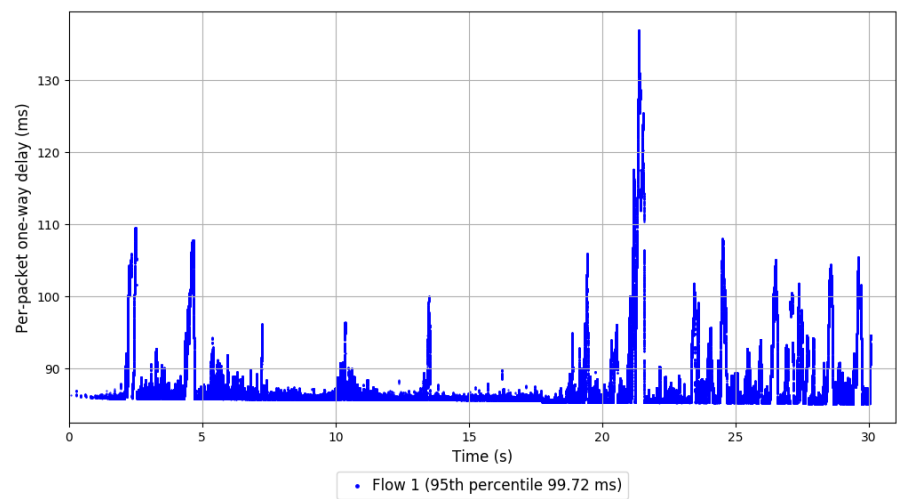
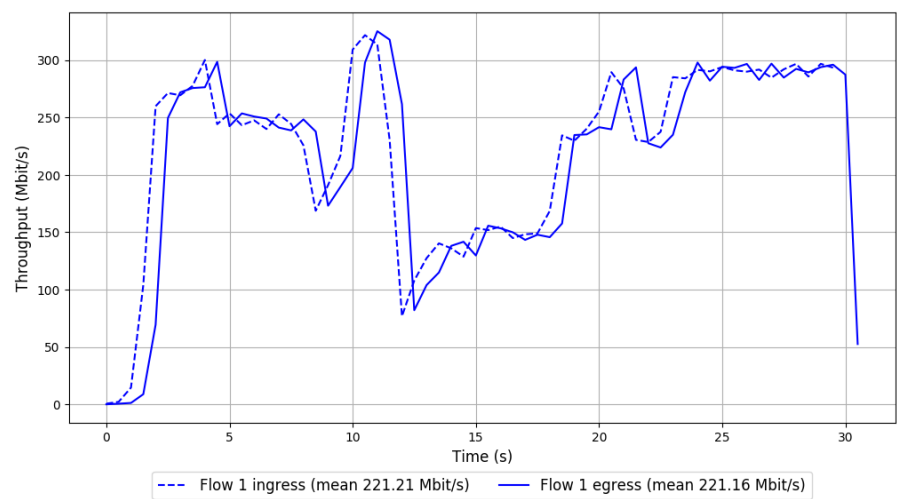


Run 4: Statistics of Copa

Start at: 2018-08-01 00:10:15
End at: 2018-08-01 00:10:45
Local clock offset: 18.543 ms
Remote clock offset: 0.324 ms

Below is generated by plot.py at 2018-08-01 03:01:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.16 Mbit/s
95th percentile per-packet one-way delay: 99.718 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 221.16 Mbit/s
95th percentile per-packet one-way delay: 99.718 ms
Loss rate: 0.03%

Run 4: Report of Copa — Data Link

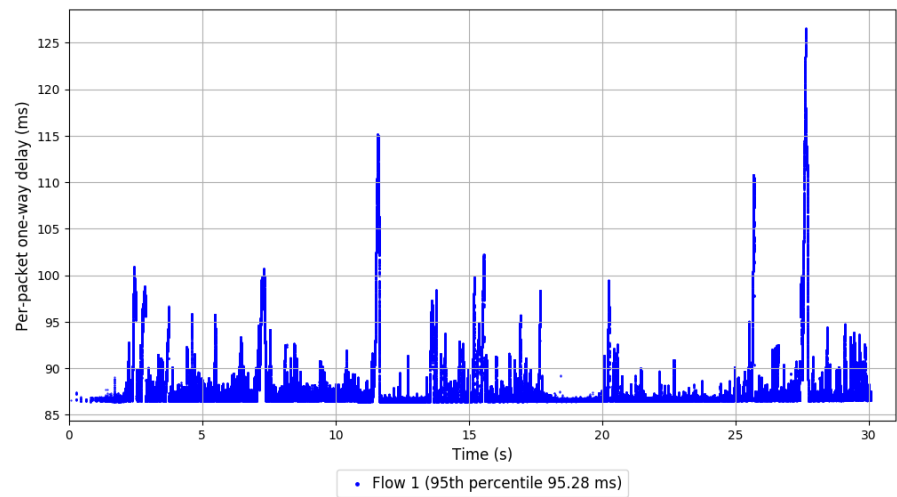
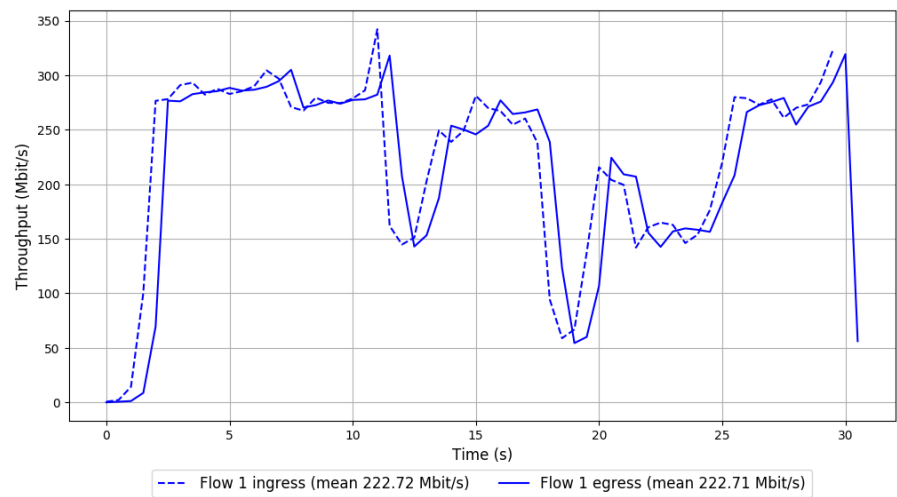


Run 5: Statistics of Copa

Start at: 2018-08-01 00:33:02
End at: 2018-08-01 00:33:32
Local clock offset: 19.693 ms
Remote clock offset: 0.54 ms

Below is generated by plot.py at 2018-08-01 03:01:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 222.71 Mbit/s
95th percentile per-packet one-way delay: 95.282 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 222.71 Mbit/s
95th percentile per-packet one-way delay: 95.282 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-08-01 00:55:45

End at: 2018-08-01 00:56:16

Local clock offset: 7.635 ms

Remote clock offset: 0.694 ms

Below is generated by plot.py at 2018-08-01 03:01:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 245.88 Mbit/s

95th percentile per-packet one-way delay: 96.085 ms

Loss rate: 0.00%

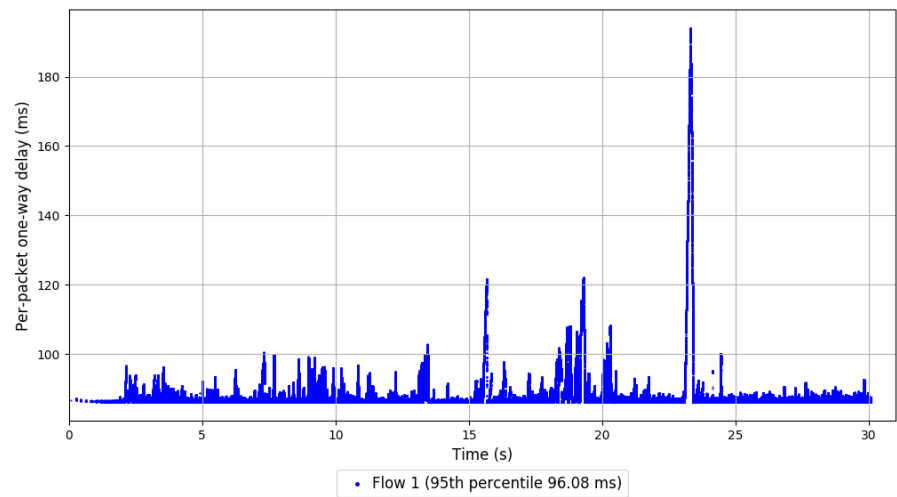
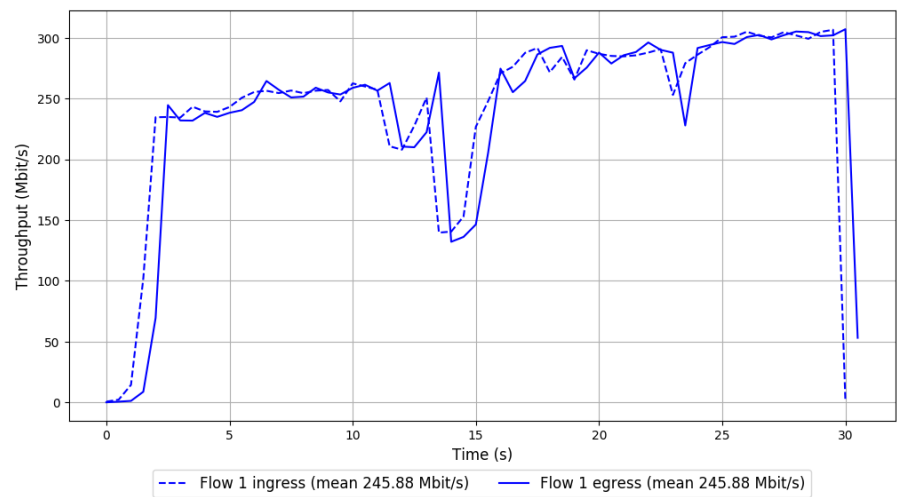
-- Flow 1:

Average throughput: 245.88 Mbit/s

95th percentile per-packet one-way delay: 96.085 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-08-01 01:18:36

End at: 2018-08-01 01:19:06

Local clock offset: 4.62 ms

Remote clock offset: 0.147 ms

Below is generated by plot.py at 2018-08-01 03:02:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.64 Mbit/s

95th percentile per-packet one-way delay: 103.065 ms

Loss rate: 0.00%

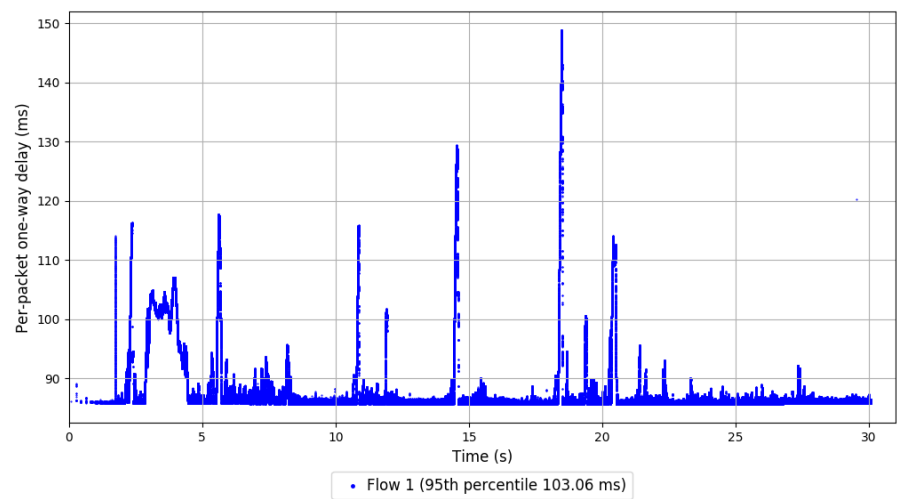
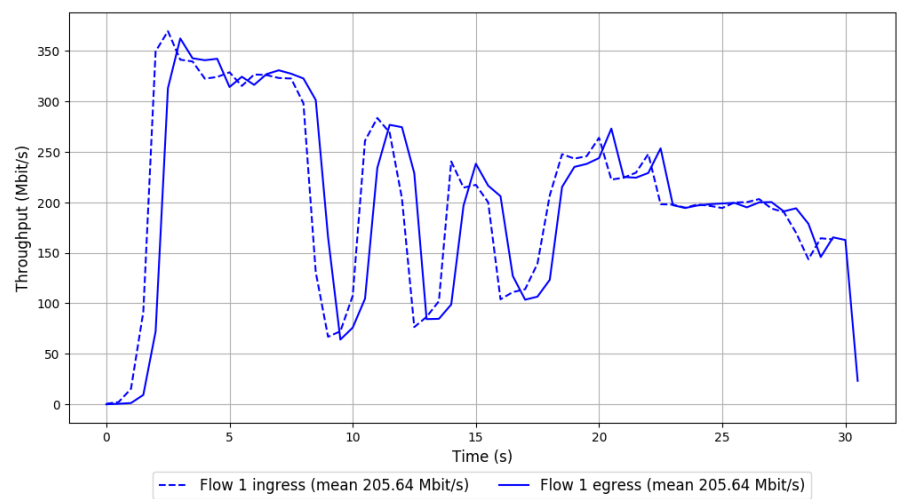
-- Flow 1:

Average throughput: 205.64 Mbit/s

95th percentile per-packet one-way delay: 103.065 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link

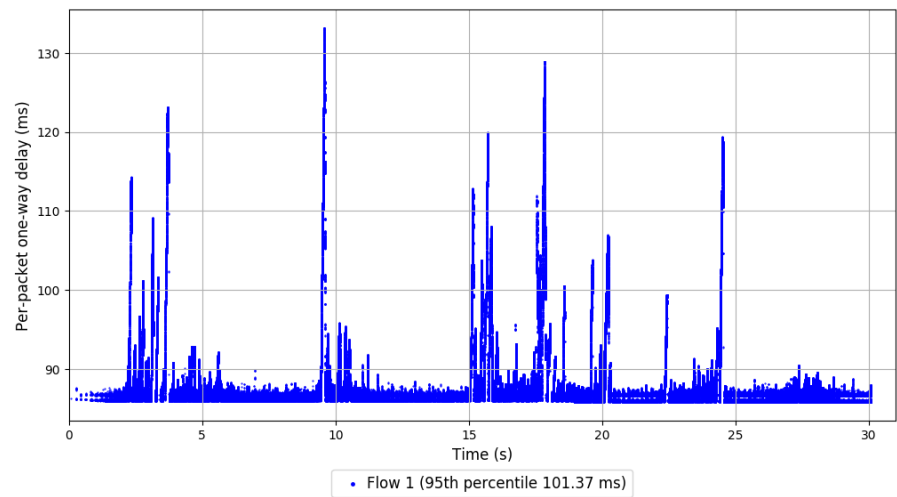
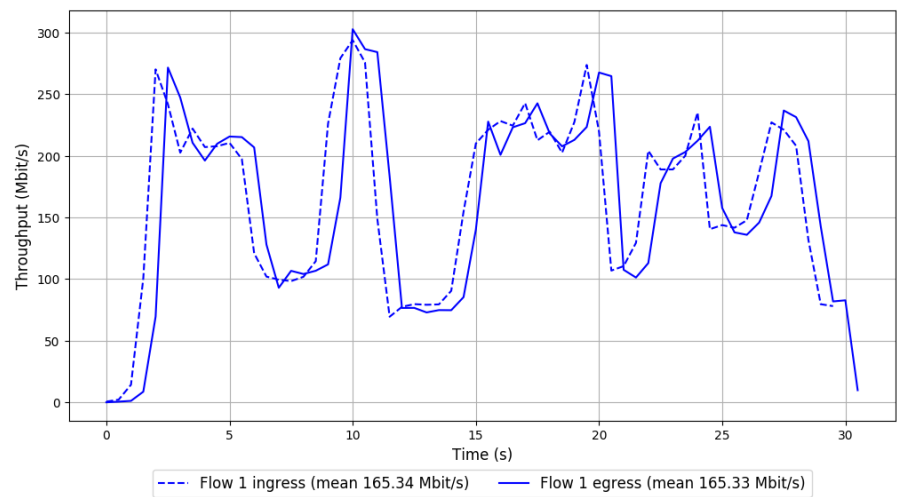


Run 8: Statistics of Copa

Start at: 2018-08-01 01:40:54
End at: 2018-08-01 01:41:24
Local clock offset: 4.753 ms
Remote clock offset: -0.251 ms

Below is generated by plot.py at 2018-08-01 03:02:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 165.33 Mbit/s
95th percentile per-packet one-way delay: 101.369 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 165.33 Mbit/s
95th percentile per-packet one-way delay: 101.369 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

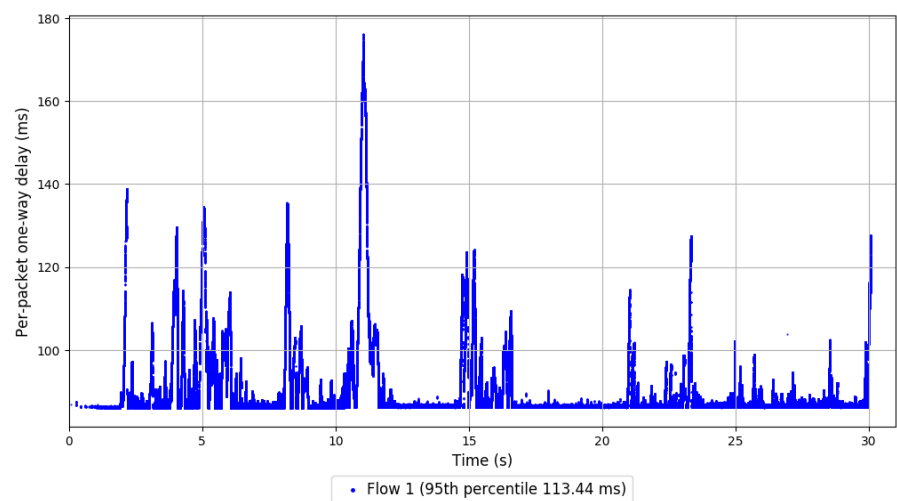
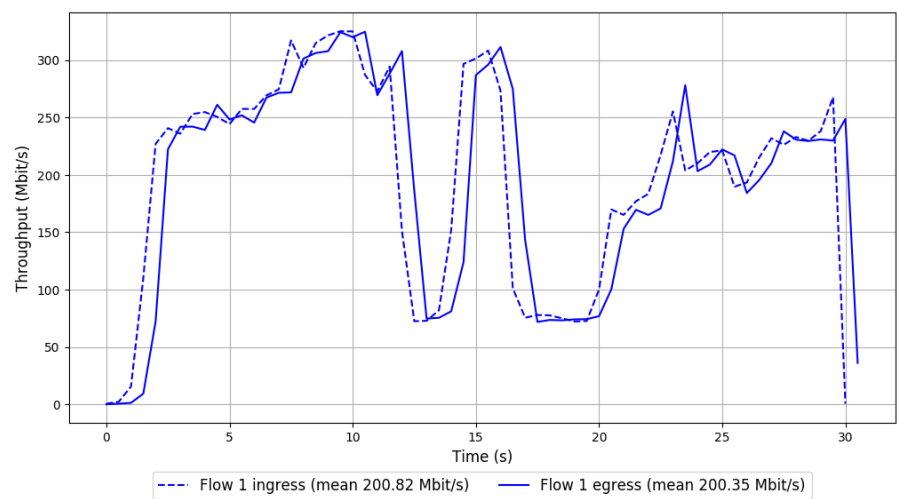


Run 9: Statistics of Copa

Start at: 2018-08-01 02:03:23
End at: 2018-08-01 02:03:53
Local clock offset: 1.048 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-08-01 03:06:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 200.35 Mbit/s
95th percentile per-packet one-way delay: 113.436 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 200.35 Mbit/s
95th percentile per-packet one-way delay: 113.436 ms
Loss rate: 0.23%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-08-01 02:25:47

End at: 2018-08-01 02:26:17

Local clock offset: 0.685 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-08-01 03:06:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 183.91 Mbit/s

95th percentile per-packet one-way delay: 132.196 ms

Loss rate: 0.10%

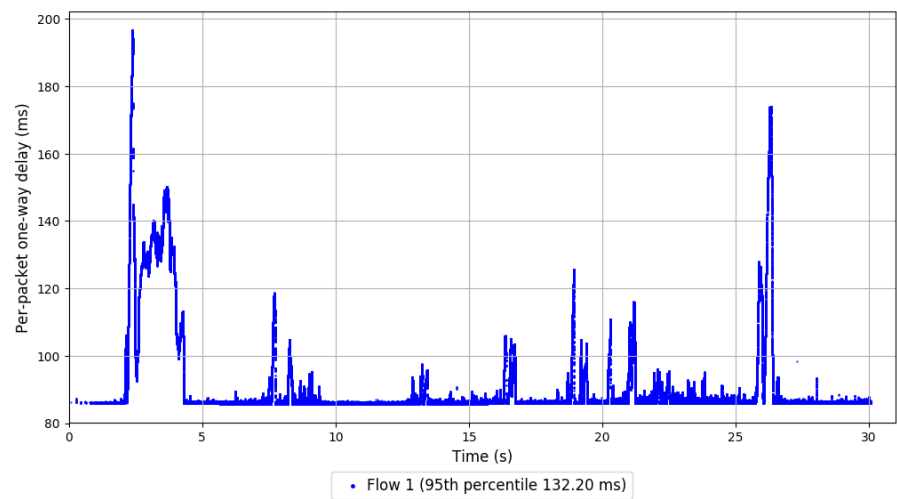
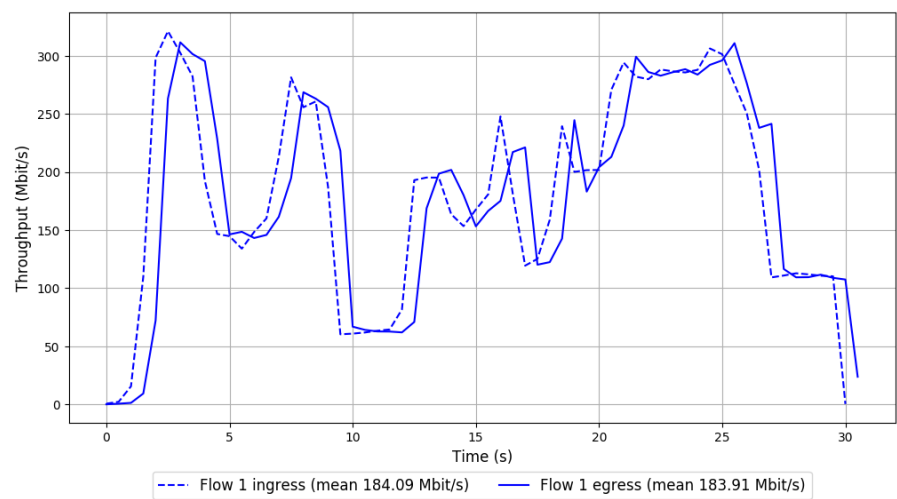
-- Flow 1:

Average throughput: 183.91 Mbit/s

95th percentile per-packet one-way delay: 132.196 ms

Loss rate: 0.10%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-31 22:59:12

End at: 2018-07-31 22:59:42

Local clock offset: 8.056 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-08-01 03:06:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.85 Mbit/s

95th percentile per-packet one-way delay: 99.949 ms

Loss rate: 0.00%

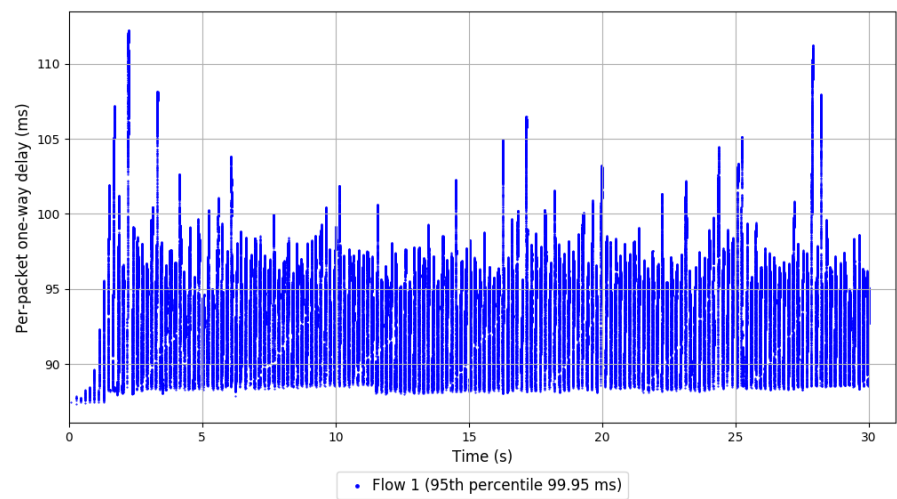
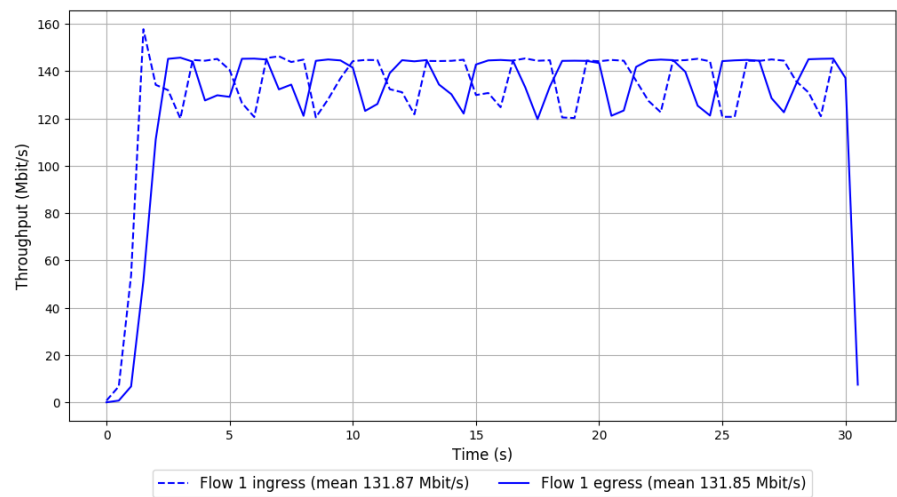
-- Flow 1:

Average throughput: 131.85 Mbit/s

95th percentile per-packet one-way delay: 99.949 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-31 23:21:30

End at: 2018-07-31 23:22:00

Local clock offset: 20.139 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-08-01 03:06:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 110.32 Mbit/s

95th percentile per-packet one-way delay: 96.466 ms

Loss rate: 0.00%

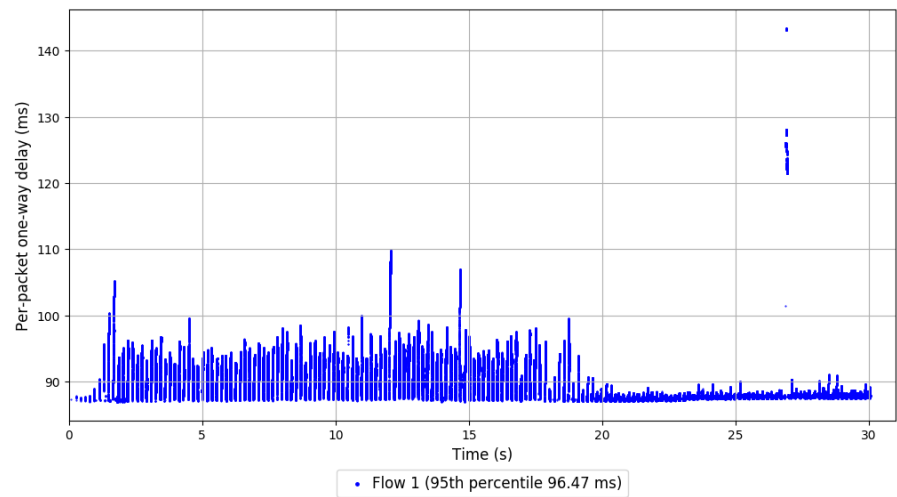
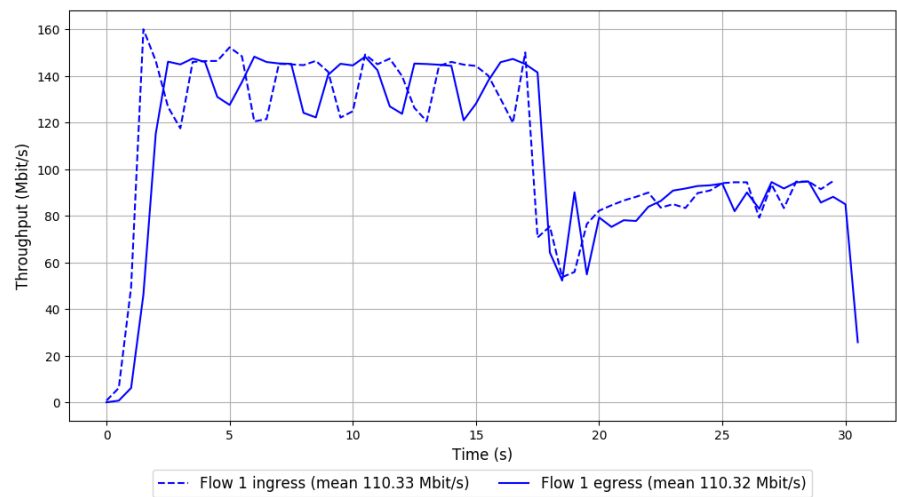
-- Flow 1:

Average throughput: 110.32 Mbit/s

95th percentile per-packet one-way delay: 96.466 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-07-31 23:43:52

End at: 2018-07-31 23:44:22

Local clock offset: 24.066 ms

Remote clock offset: 0.115 ms

Below is generated by plot.py at 2018-08-01 03:06:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.29 Mbit/s

95th percentile per-packet one-way delay: 98.629 ms

Loss rate: 0.00%

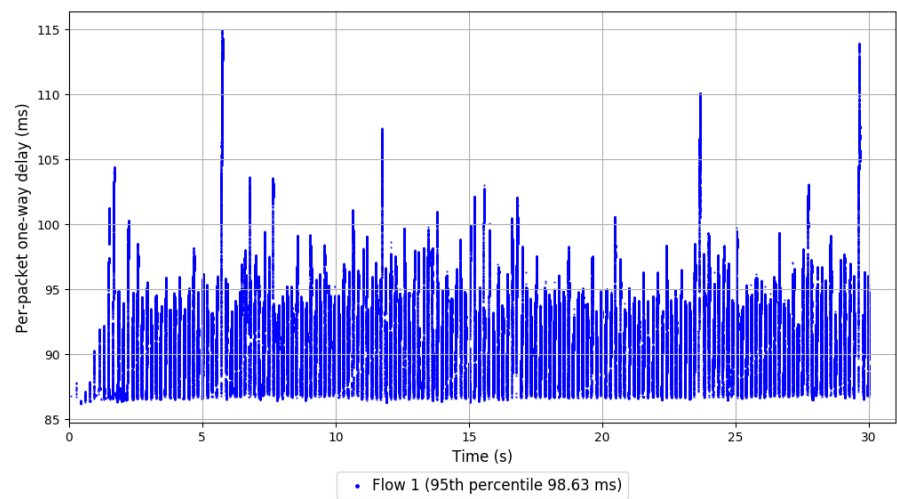
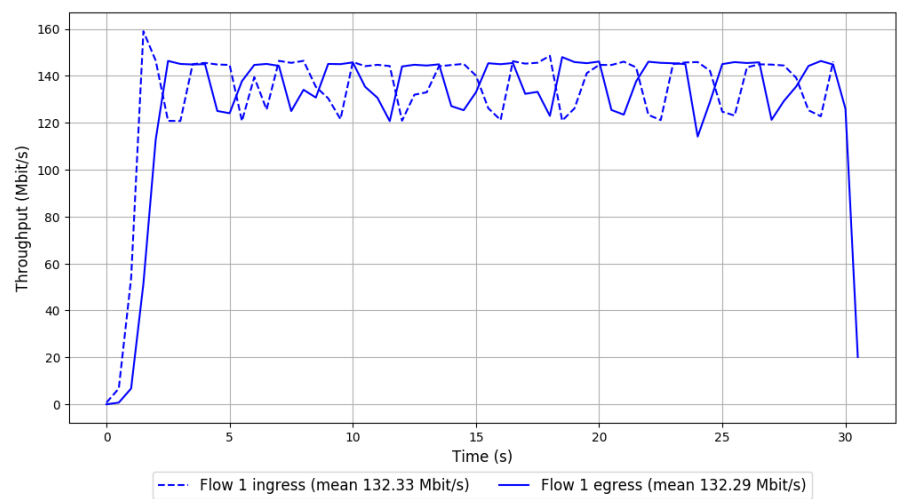
-- Flow 1:

Average throughput: 132.29 Mbit/s

95th percentile per-packet one-way delay: 98.629 ms

Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-08-01 00:06:40

End at: 2018-08-01 00:07:10

Local clock offset: 23.014 ms

Remote clock offset: 0.345 ms

Below is generated by plot.py at 2018-08-01 03:06:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 133.10 Mbit/s

95th percentile per-packet one-way delay: 94.193 ms

Loss rate: 0.00%

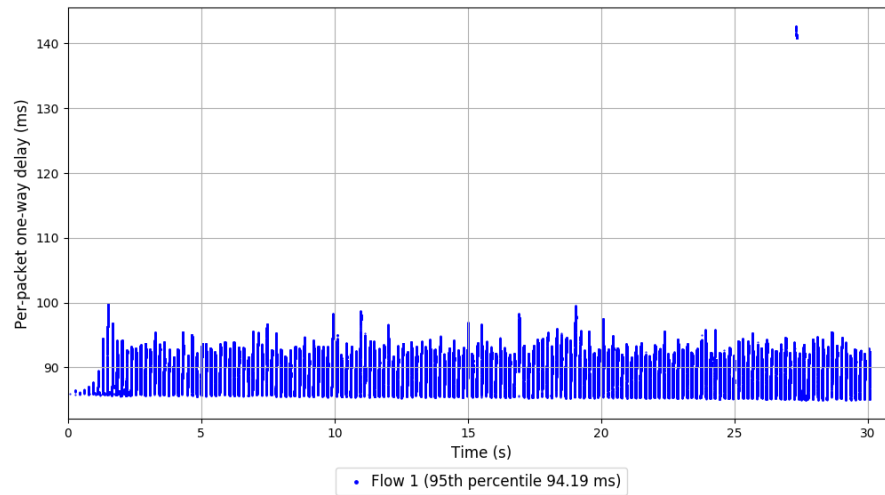
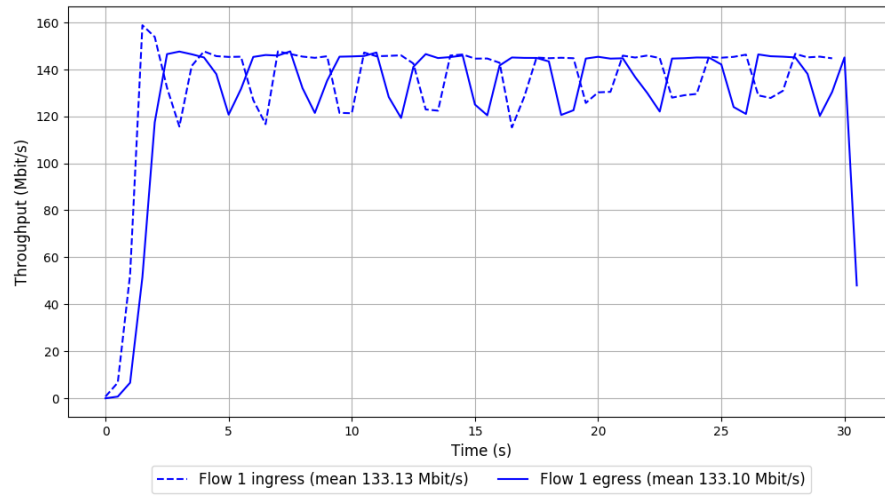
-- Flow 1:

Average throughput: 133.10 Mbit/s

95th percentile per-packet one-way delay: 94.193 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-08-01 00:29:27

End at: 2018-08-01 00:29:57

Local clock offset: 18.193 ms

Remote clock offset: 0.53 ms

Below is generated by plot.py at 2018-08-01 03:06:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.52 Mbit/s

95th percentile per-packet one-way delay: 97.353 ms

Loss rate: 0.00%

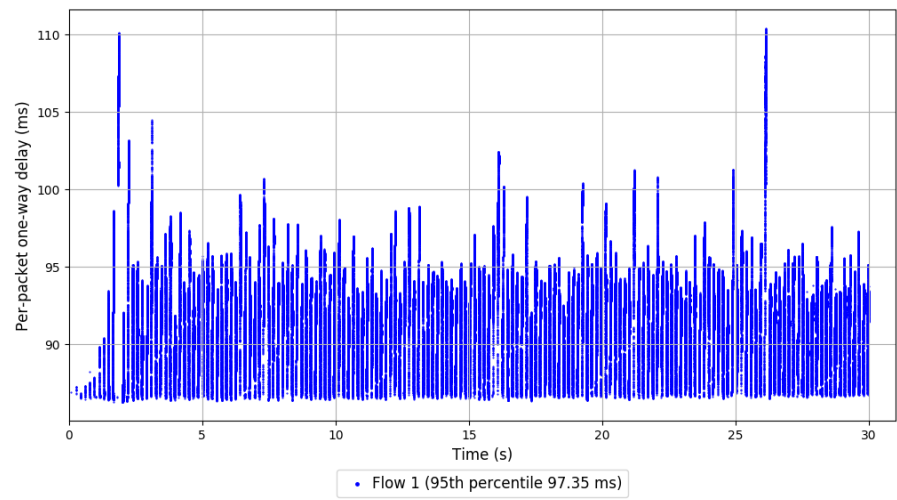
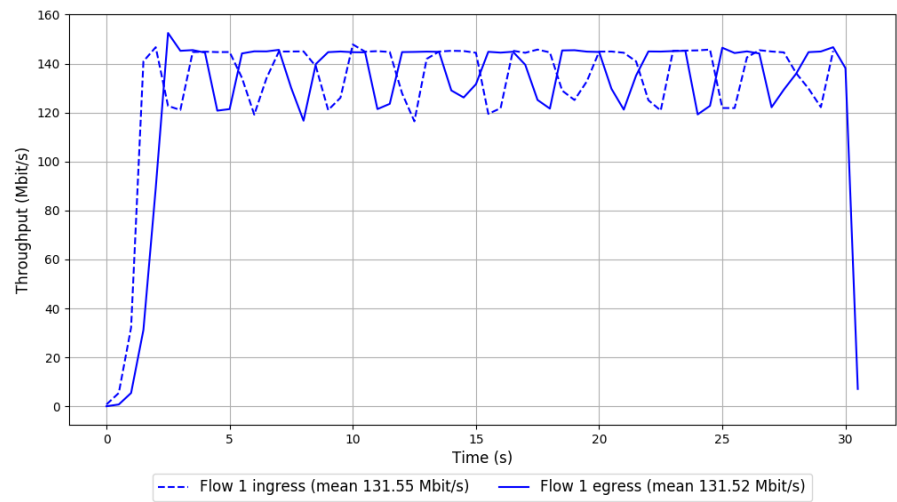
-- Flow 1:

Average throughput: 131.52 Mbit/s

95th percentile per-packet one-way delay: 97.353 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-08-01 00:52:12

End at: 2018-08-01 00:52:42

Local clock offset: 7.652 ms

Remote clock offset: 0.65 ms

Below is generated by plot.py at 2018-08-01 03:06:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.56 Mbit/s

95th percentile per-packet one-way delay: 97.999 ms

Loss rate: 0.00%

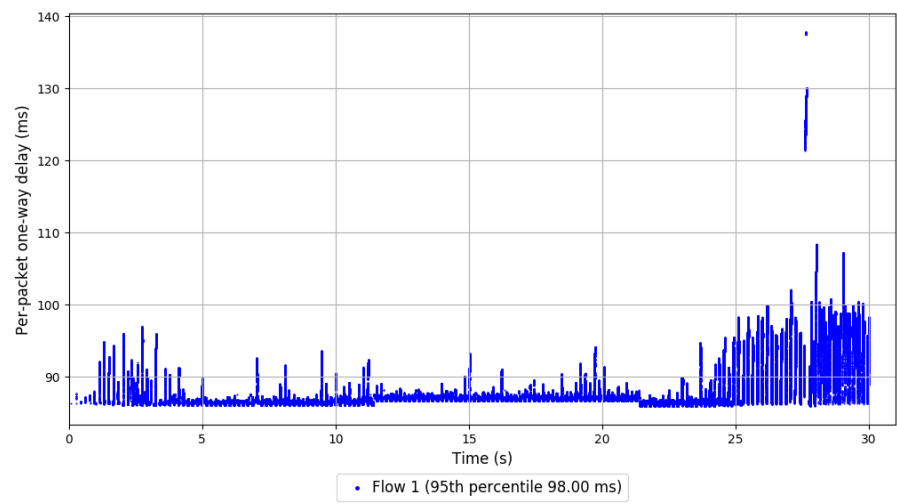
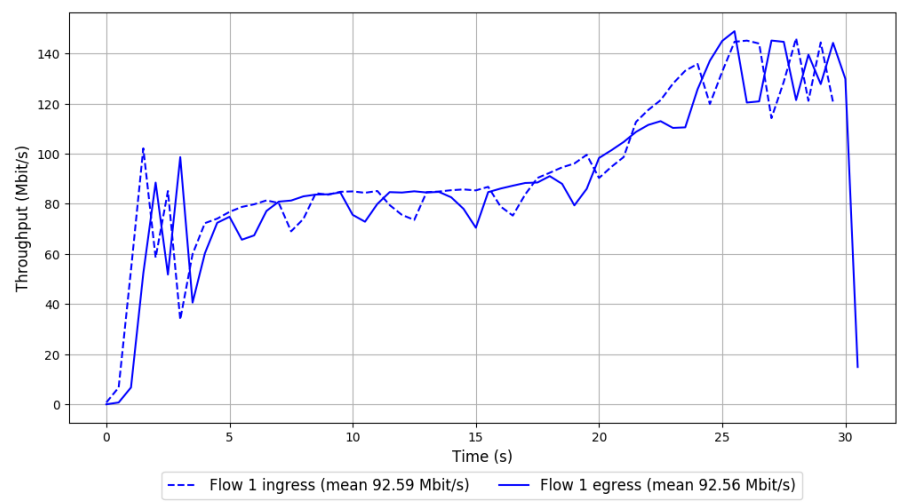
-- Flow 1:

Average throughput: 92.56 Mbit/s

95th percentile per-packet one-way delay: 97.999 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-08-01 01:15:03

End at: 2018-08-01 01:15:33

Local clock offset: 5.811 ms

Remote clock offset: 0.302 ms

Below is generated by plot.py at 2018-08-01 03:06:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 126.11 Mbit/s

95th percentile per-packet one-way delay: 97.654 ms

Loss rate: 0.00%

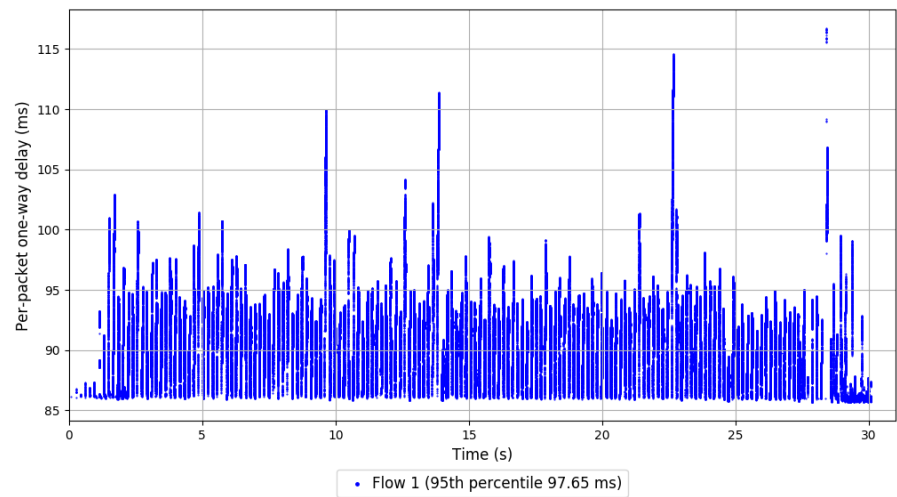
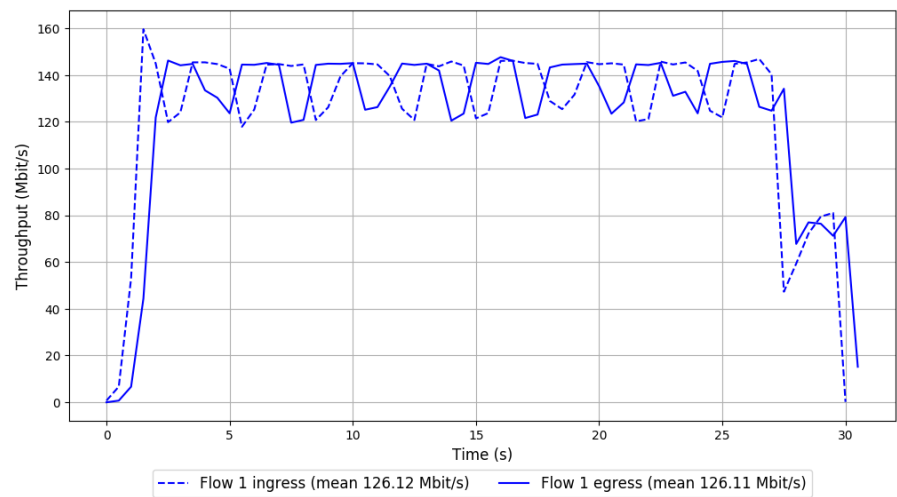
-- Flow 1:

Average throughput: 126.11 Mbit/s

95th percentile per-packet one-way delay: 97.654 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link

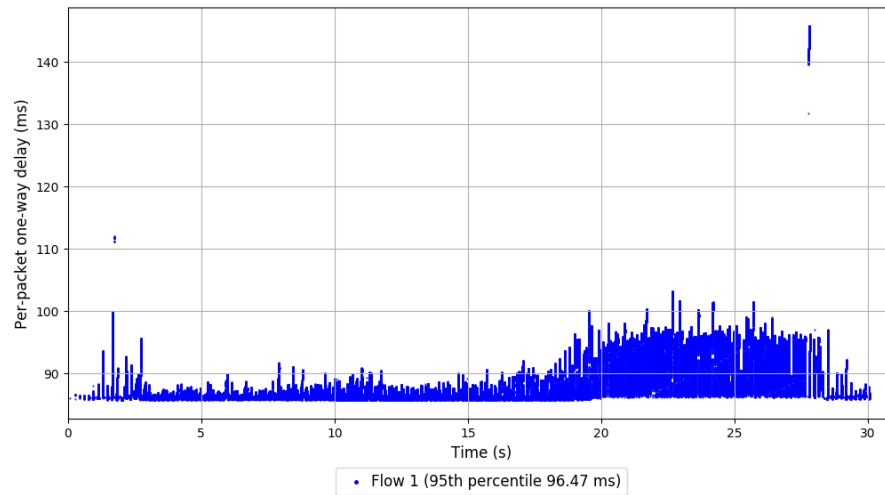
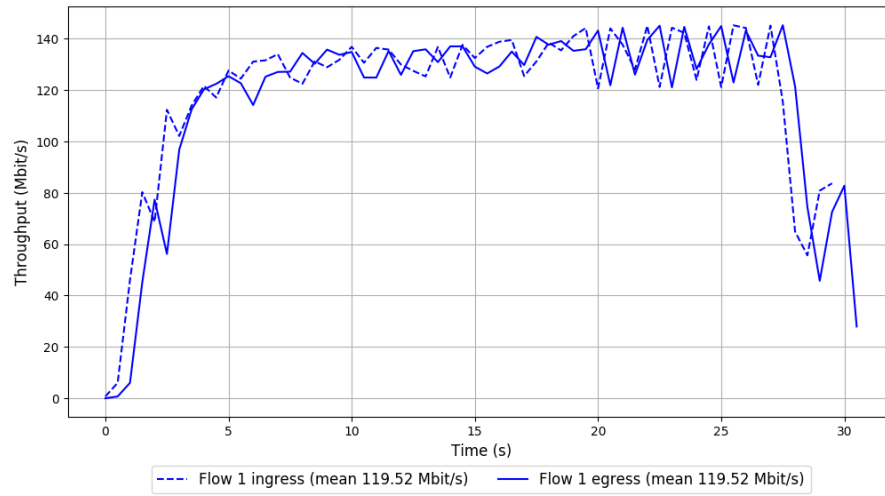


Run 8: Statistics of TCP Cubic

Start at: 2018-08-01 01:37:23
End at: 2018-08-01 01:37:53
Local clock offset: 4.464 ms
Remote clock offset: -0.209 ms

Below is generated by plot.py at 2018-08-01 03:06:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 119.52 Mbit/s
95th percentile per-packet one-way delay: 96.465 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 119.52 Mbit/s
95th percentile per-packet one-way delay: 96.465 ms
Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link

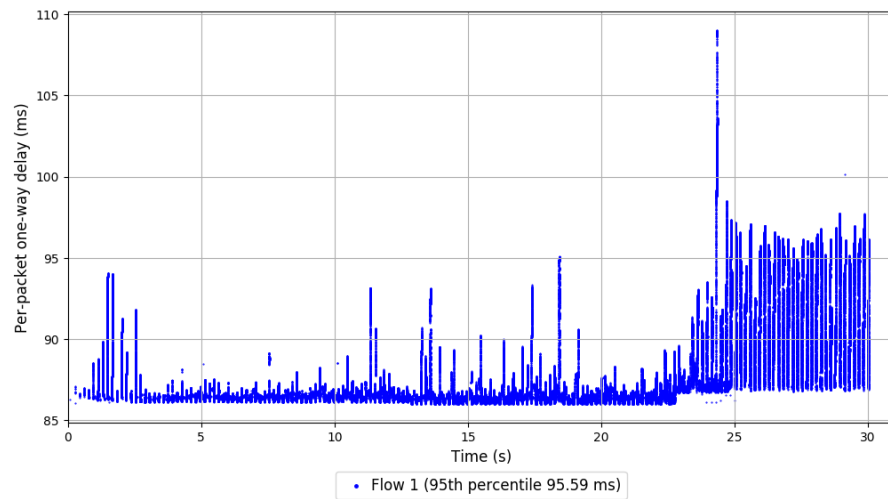
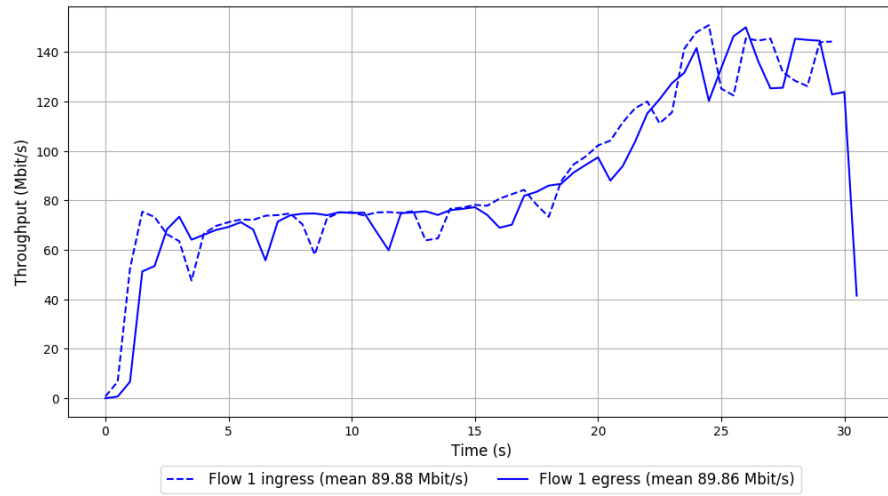


Run 9: Statistics of TCP Cubic

Start at: 2018-08-01 01:59:50
End at: 2018-08-01 02:00:20
Local clock offset: 1.215 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-08-01 03:06:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.86 Mbit/s
95th percentile per-packet one-way delay: 95.594 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.86 Mbit/s
95th percentile per-packet one-way delay: 95.594 ms
Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-01 02:22:13

End at: 2018-08-01 02:22:43

Local clock offset: 0.918 ms

Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-08-01 03:06:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 118.73 Mbit/s

95th percentile per-packet one-way delay: 93.070 ms

Loss rate: 0.00%

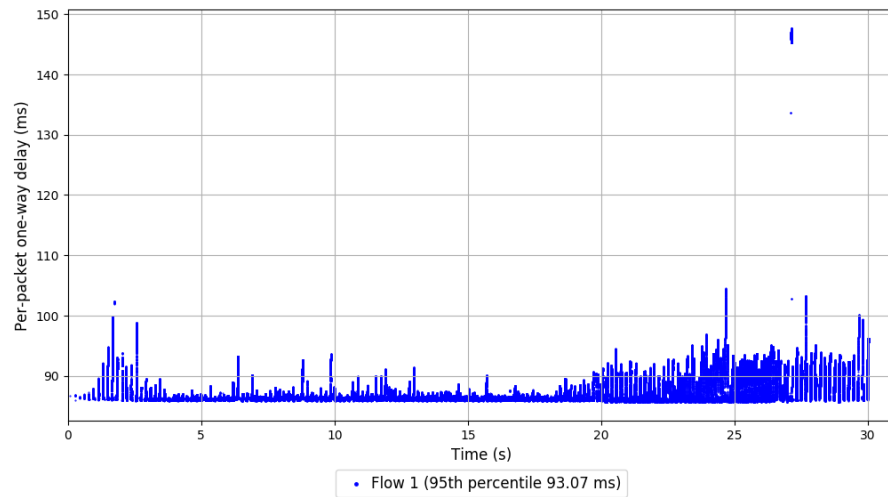
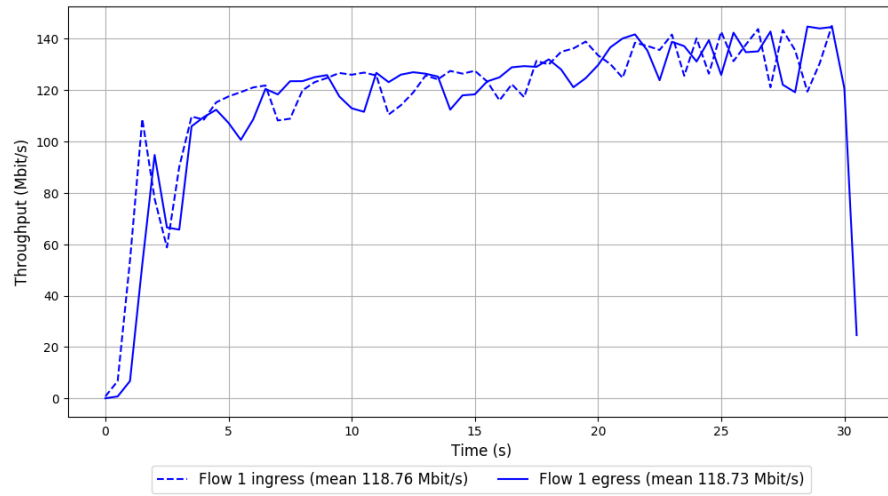
-- Flow 1:

Average throughput: 118.73 Mbit/s

95th percentile per-packet one-way delay: 93.070 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

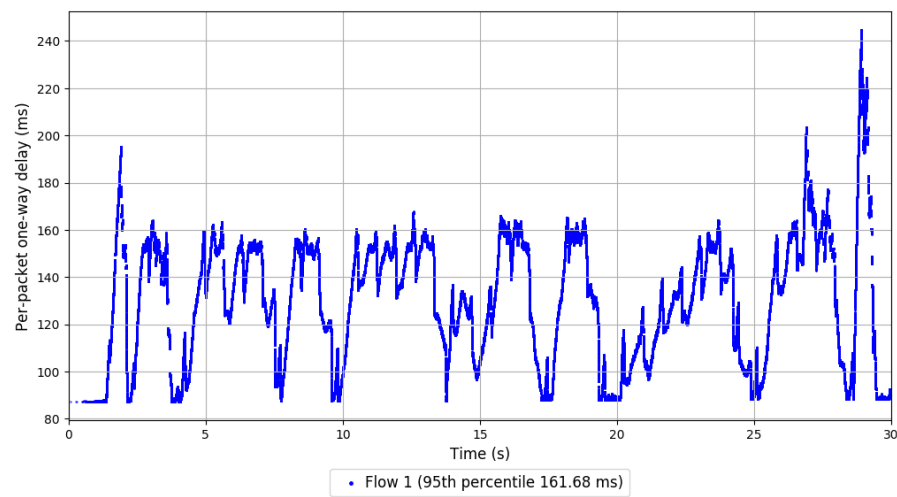
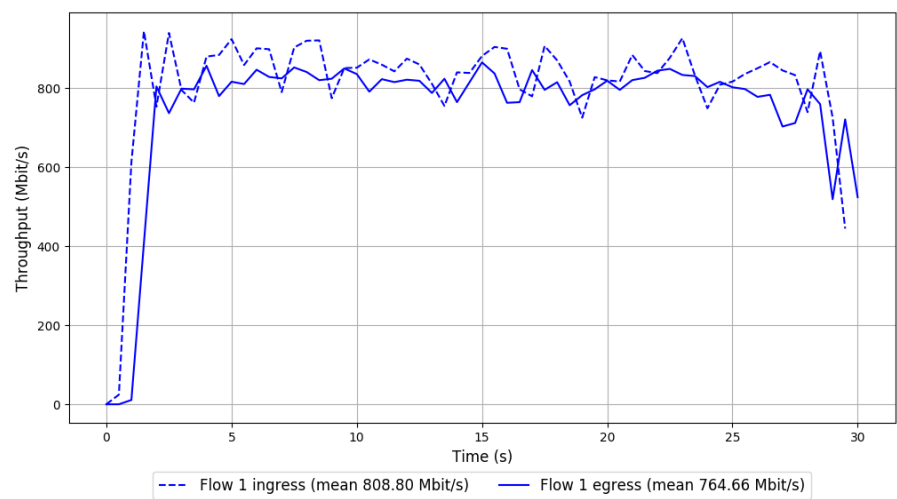


Run 1: Statistics of FillP

Start at: 2018-07-31 22:55:01
End at: 2018-07-31 22:55:31
Local clock offset: 4.069 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-08-01 03:19:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 764.66 Mbit/s
95th percentile per-packet one-way delay: 161.680 ms
Loss rate: 5.45%
-- Flow 1:
Average throughput: 764.66 Mbit/s
95th percentile per-packet one-way delay: 161.680 ms
Loss rate: 5.45%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-31 23:17:22

End at: 2018-07-31 23:17:52

Local clock offset: 15.58 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-08-01 03:19:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 731.91 Mbit/s

95th percentile per-packet one-way delay: 172.270 ms

Loss rate: 8.76%

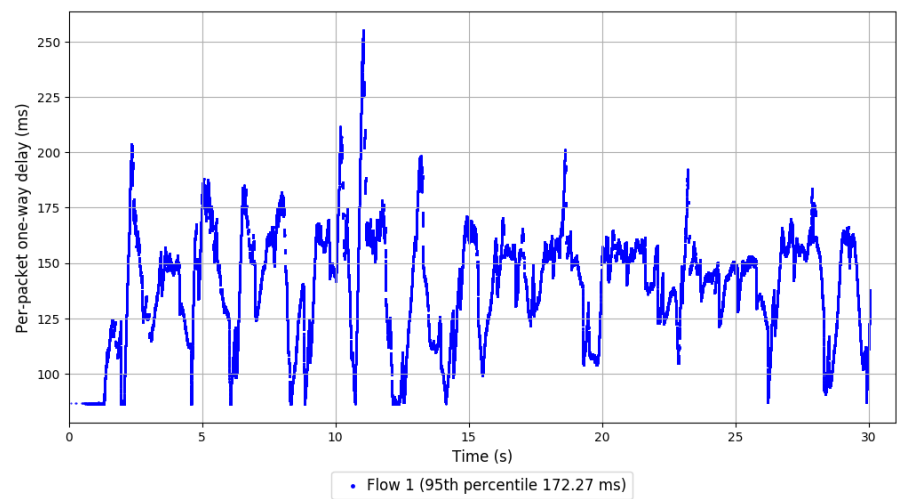
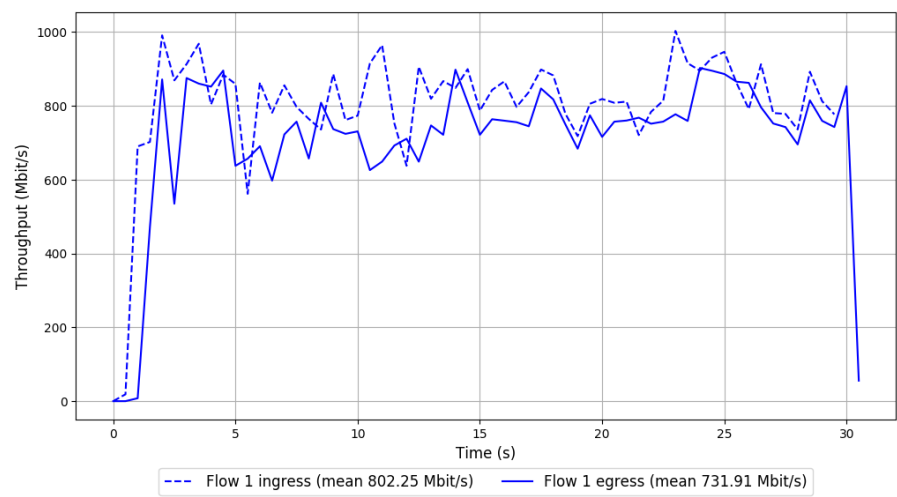
-- Flow 1:

Average throughput: 731.91 Mbit/s

95th percentile per-packet one-way delay: 172.270 ms

Loss rate: 8.76%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-31 23:39:46

End at: 2018-07-31 23:40:16

Local clock offset: 21.524 ms

Remote clock offset: 0.146 ms

Below is generated by plot.py at 2018-08-01 03:19:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 629.59 Mbit/s

95th percentile per-packet one-way delay: 179.900 ms

Loss rate: 8.18%

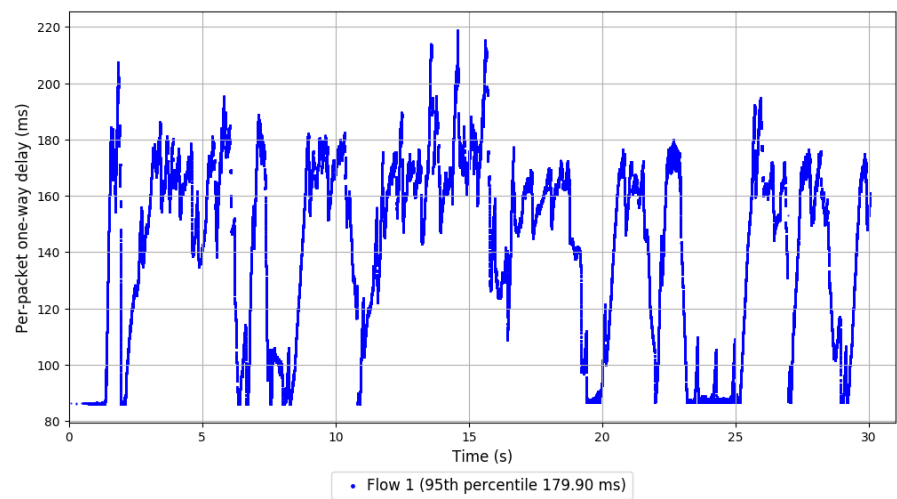
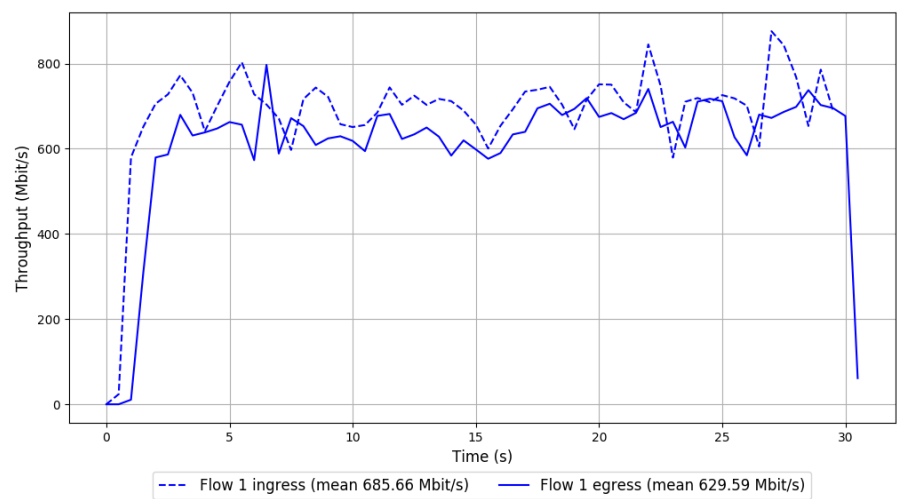
-- Flow 1:

Average throughput: 629.59 Mbit/s

95th percentile per-packet one-way delay: 179.900 ms

Loss rate: 8.18%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-08-01 00:02:22

End at: 2018-08-01 00:02:52

Local clock offset: 34.298 ms

Remote clock offset: 0.295 ms

Below is generated by plot.py at 2018-08-01 03:22:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 862.17 Mbit/s

95th percentile per-packet one-way delay: 148.670 ms

Loss rate: 2.97%

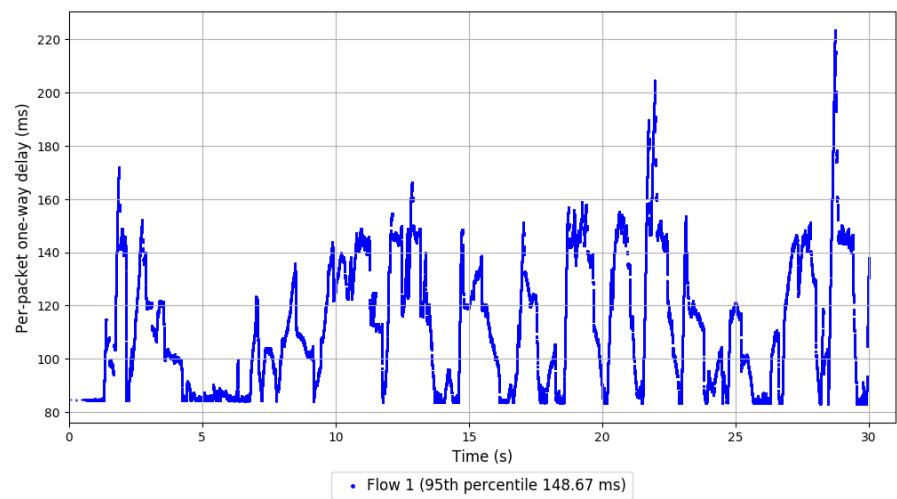
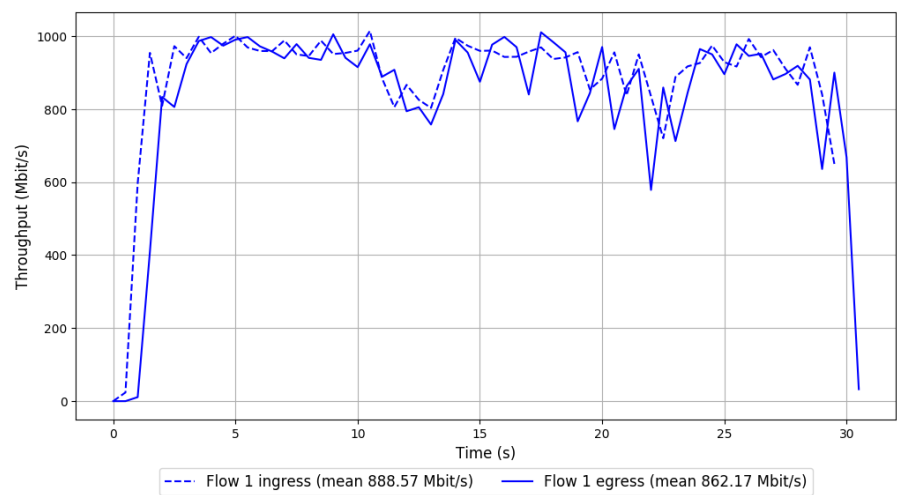
-- Flow 1:

Average throughput: 862.17 Mbit/s

95th percentile per-packet one-way delay: 148.670 ms

Loss rate: 2.97%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-08-01 00:25:14

End at: 2018-08-01 00:25:44

Local clock offset: 16.485 ms

Remote clock offset: 0.472 ms

Below is generated by plot.py at 2018-08-01 03:22:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 751.40 Mbit/s

95th percentile per-packet one-way delay: 166.464 ms

Loss rate: 6.75%

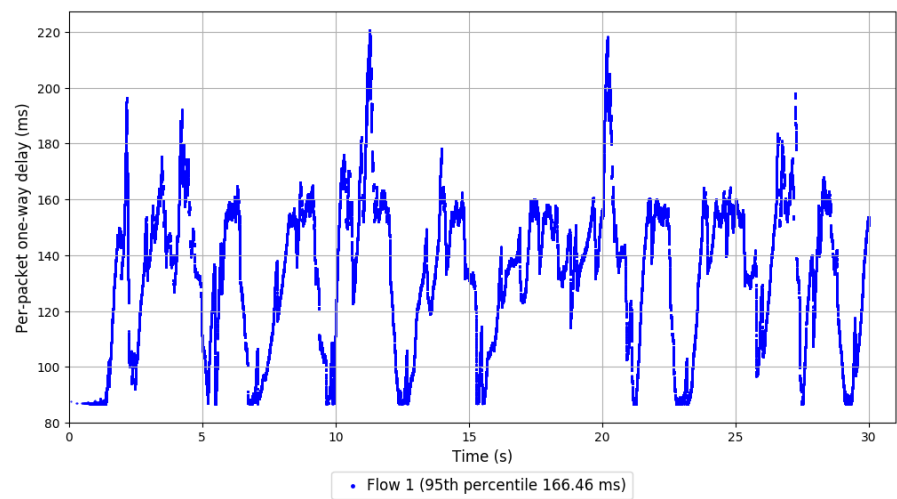
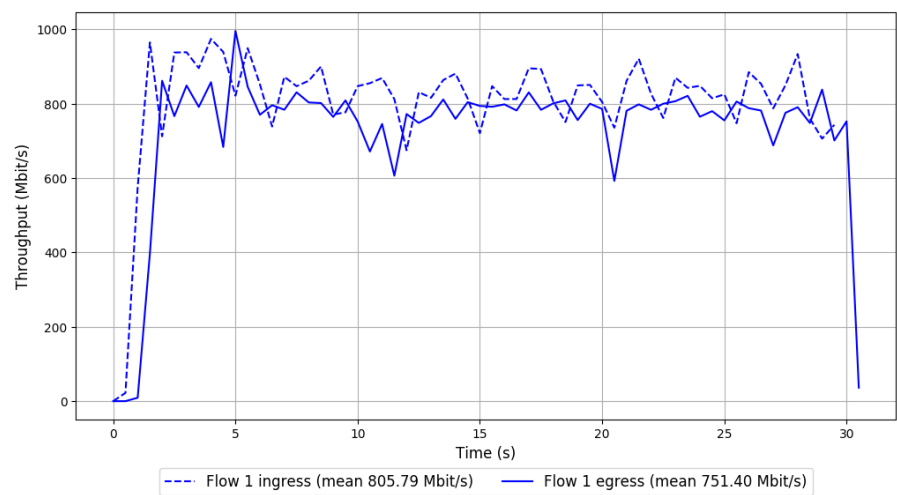
-- Flow 1:

Average throughput: 751.40 Mbit/s

95th percentile per-packet one-way delay: 166.464 ms

Loss rate: 6.75%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-08-01 00:47:57

End at: 2018-08-01 00:48:27

Local clock offset: 7.997 ms

Remote clock offset: 0.66 ms

Below is generated by plot.py at 2018-08-01 03:22:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 804.65 Mbit/s

95th percentile per-packet one-way delay: 160.683 ms

Loss rate: 4.60%

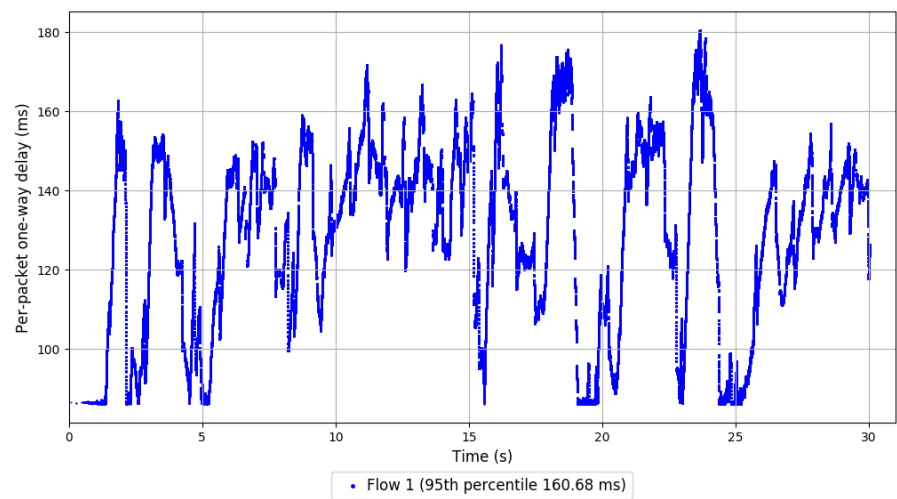
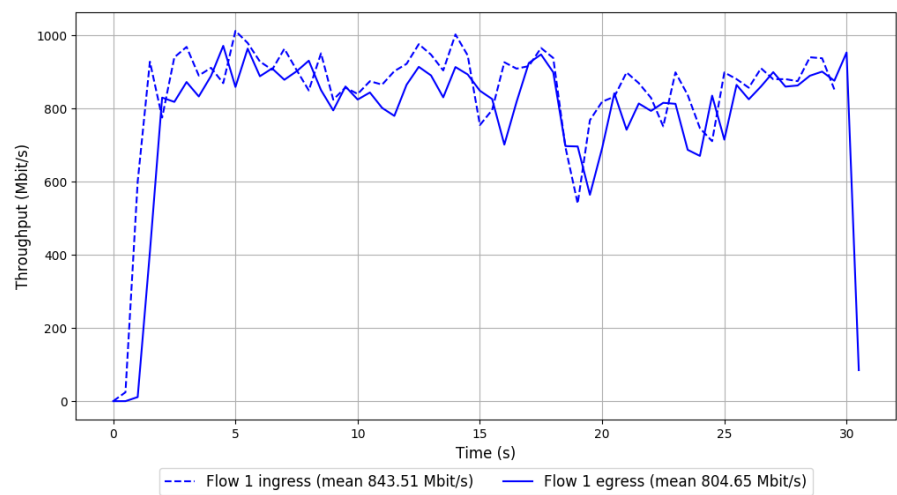
-- Flow 1:

Average throughput: 804.65 Mbit/s

95th percentile per-packet one-way delay: 160.683 ms

Loss rate: 4.60%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-08-01 01:10:48

End at: 2018-08-01 01:11:18

Local clock offset: 8.268 ms

Remote clock offset: 0.636 ms

Below is generated by plot.py at 2018-08-01 03:22:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 813.96 Mbit/s

95th percentile per-packet one-way delay: 165.266 ms

Loss rate: 5.09%

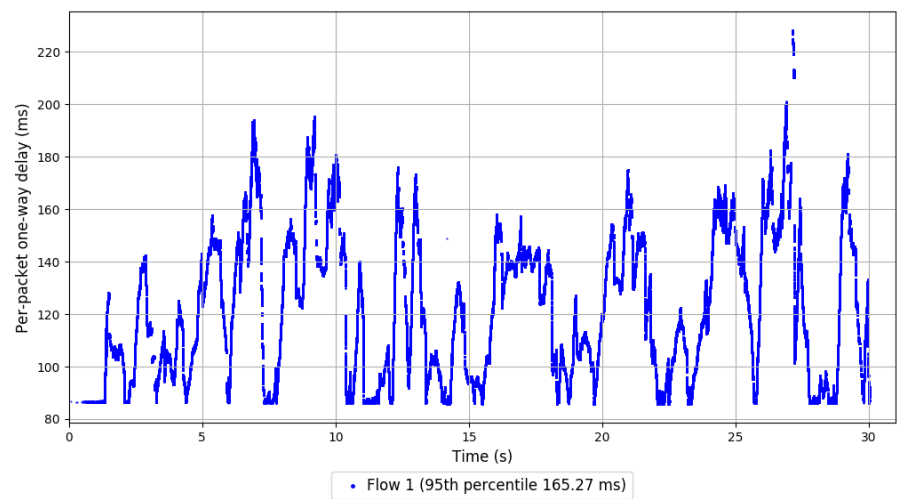
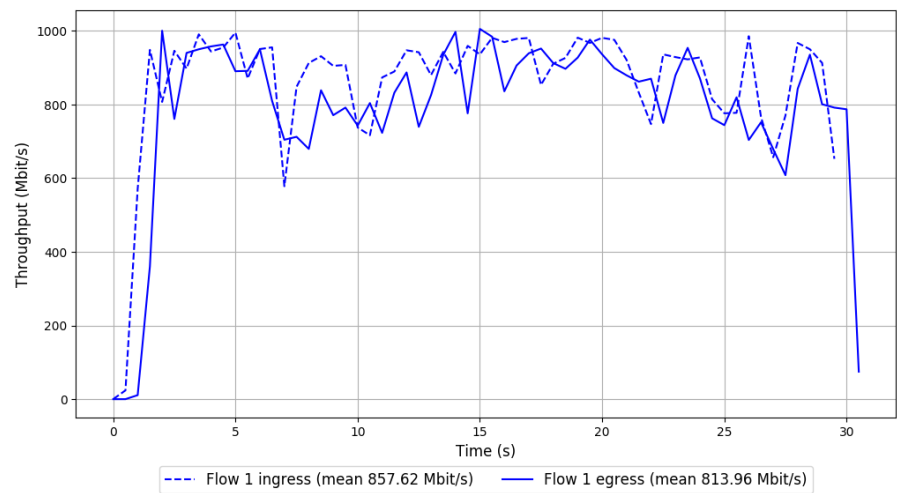
-- Flow 1:

Average throughput: 813.96 Mbit/s

95th percentile per-packet one-way delay: 165.266 ms

Loss rate: 5.09%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-08-01 01:33:07

End at: 2018-08-01 01:33:37

Local clock offset: 3.702 ms

Remote clock offset: -0.17 ms

Below is generated by plot.py at 2018-08-01 03:24:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 877.39 Mbit/s

95th percentile per-packet one-way delay: 147.743 ms

Loss rate: 1.85%

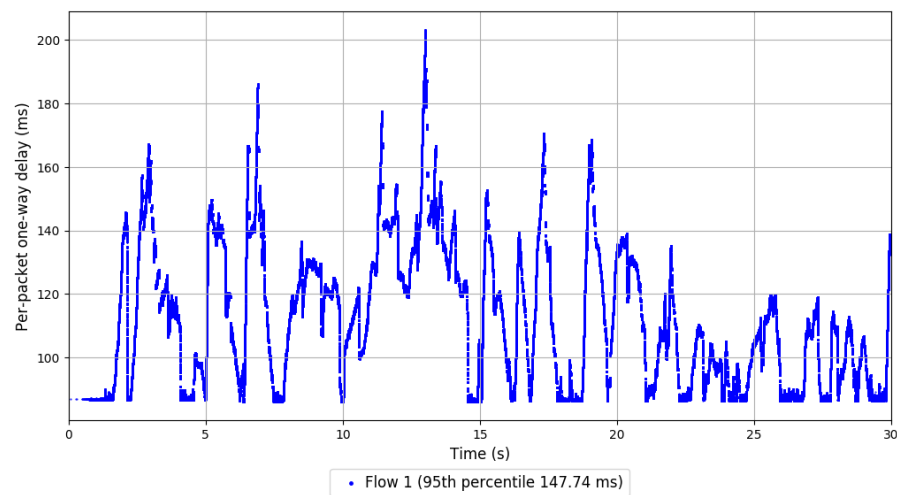
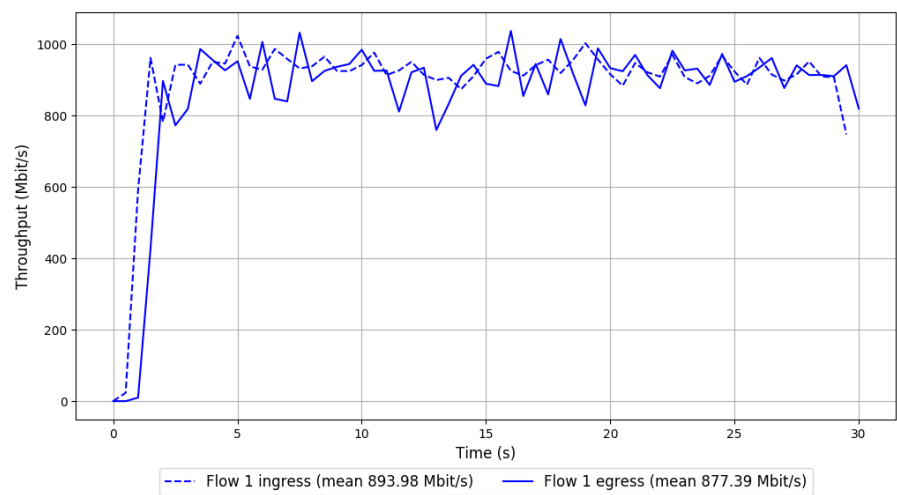
-- Flow 1:

Average throughput: 877.39 Mbit/s

95th percentile per-packet one-way delay: 147.743 ms

Loss rate: 1.85%

Run 8: Report of FillP — Data Link

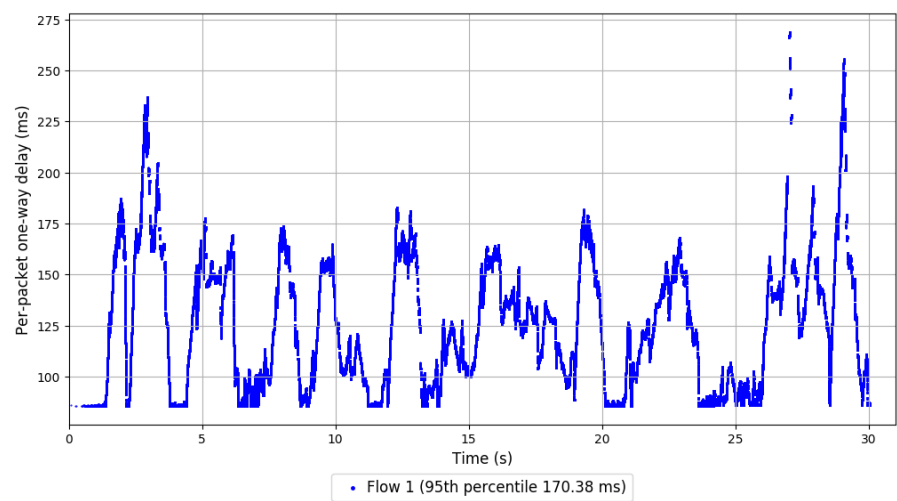
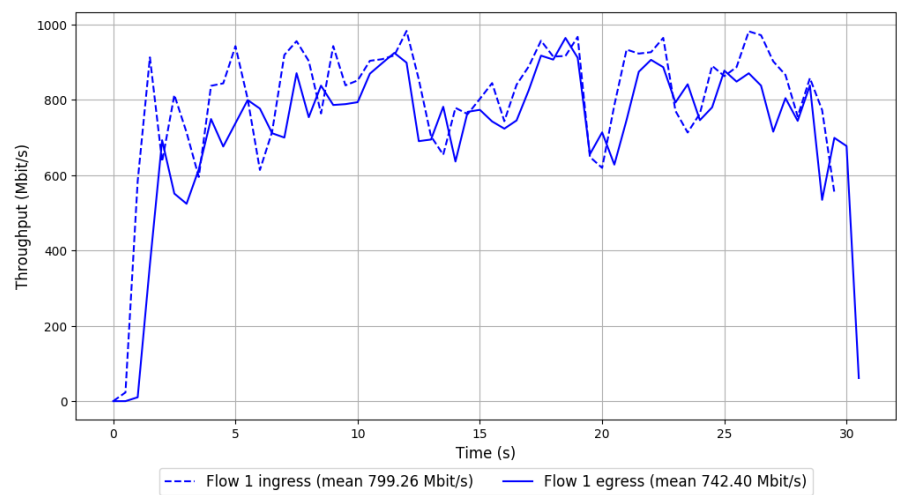


Run 9: Statistics of FillP

Start at: 2018-08-01 01:55:39
End at: 2018-08-01 01:56:09
Local clock offset: 1.726 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-08-01 03:33:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 742.40 Mbit/s
95th percentile per-packet one-way delay: 170.378 ms
Loss rate: 7.11%
-- Flow 1:
Average throughput: 742.40 Mbit/s
95th percentile per-packet one-way delay: 170.378 ms
Loss rate: 7.11%

Run 9: Report of FillP — Data Link

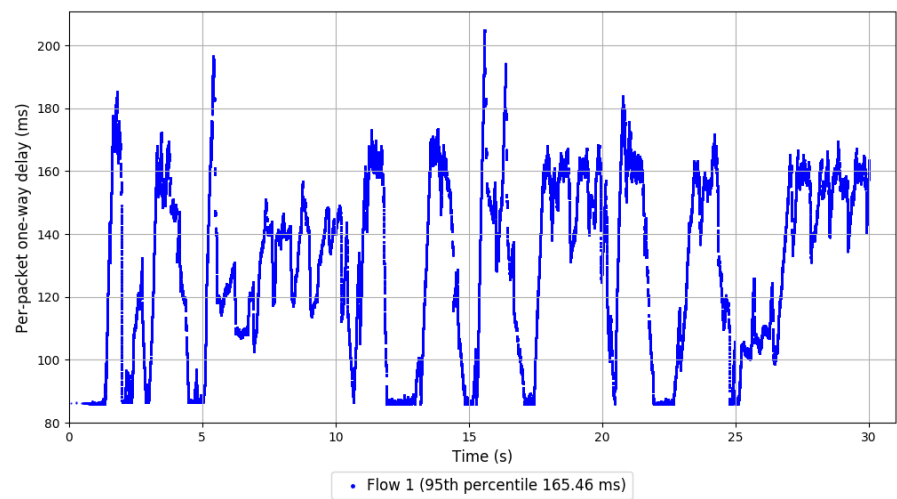
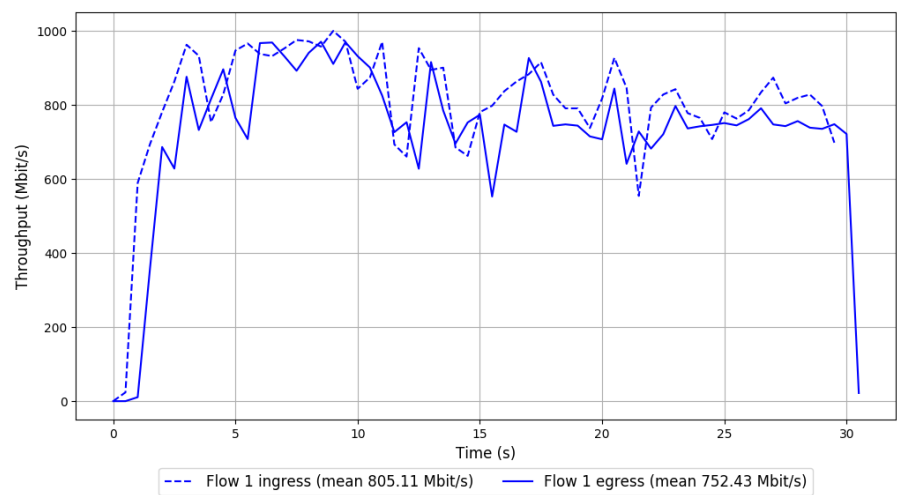


Run 10: Statistics of FillP

Start at: 2018-08-01 02:18:01
End at: 2018-08-01 02:18:31
Local clock offset: 1.142 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-08-01 03:34:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 752.43 Mbit/s
95th percentile per-packet one-way delay: 165.460 ms
Loss rate: 6.54%
-- Flow 1:
Average throughput: 752.43 Mbit/s
95th percentile per-packet one-way delay: 165.460 ms
Loss rate: 6.54%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-31 23:11:10

End at: 2018-07-31 23:11:40

Local clock offset: 15.056 ms

Remote clock offset: 0.043 ms

Below is generated by plot.py at 2018-08-01 03:34:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 587.60 Mbit/s

95th percentile per-packet one-way delay: 181.144 ms

Loss rate: 3.98%

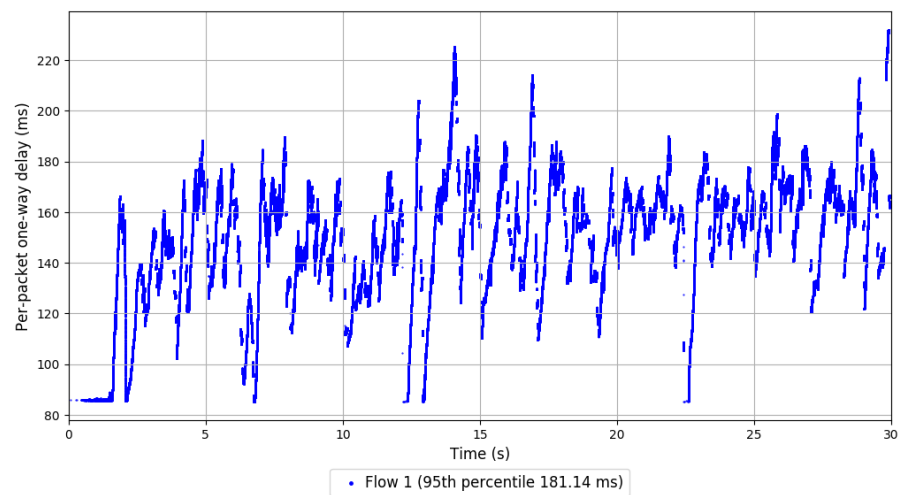
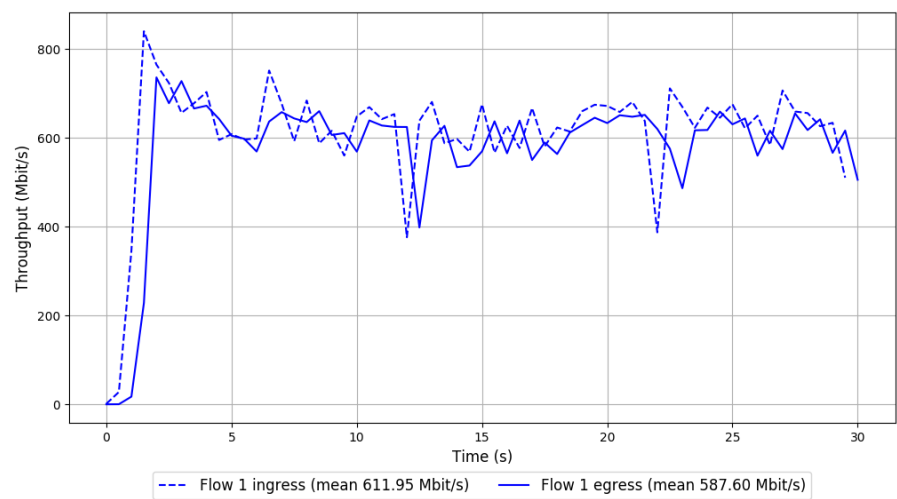
-- Flow 1:

Average throughput: 587.60 Mbit/s

95th percentile per-packet one-way delay: 181.144 ms

Loss rate: 3.98%

Run 1: Report of FillP-Sheep — Data Link

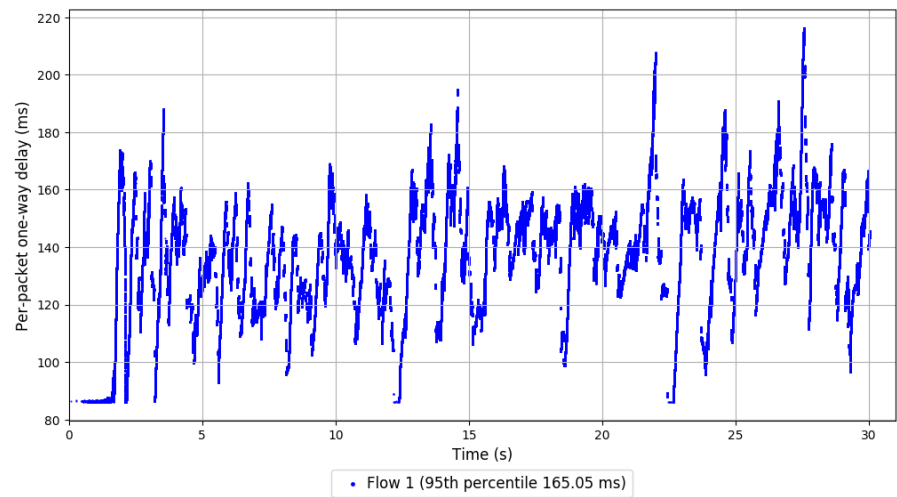
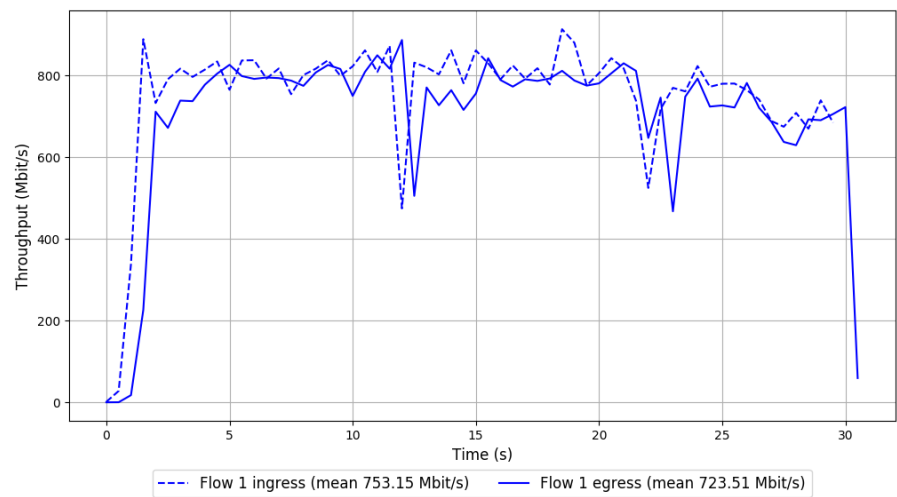


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-31 23:33:23
End at: 2018-07-31 23:33:53
Local clock offset: 20.107 ms
Remote clock offset: 0.115 ms

Below is generated by plot.py at 2018-08-01 03:35:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 723.51 Mbit/s
95th percentile per-packet one-way delay: 165.050 ms
Loss rate: 3.94%
-- Flow 1:
Average throughput: 723.51 Mbit/s
95th percentile per-packet one-way delay: 165.050 ms
Loss rate: 3.94%

Run 2: Report of FillP-Sheep — Data Link

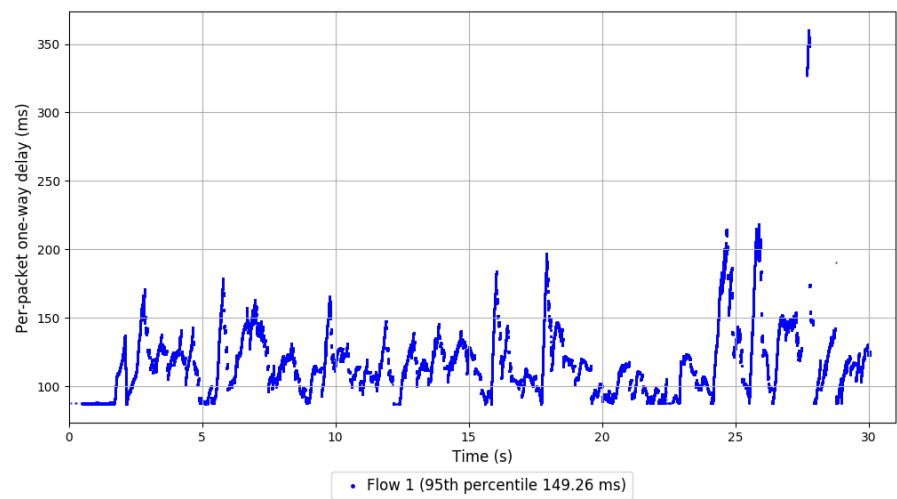
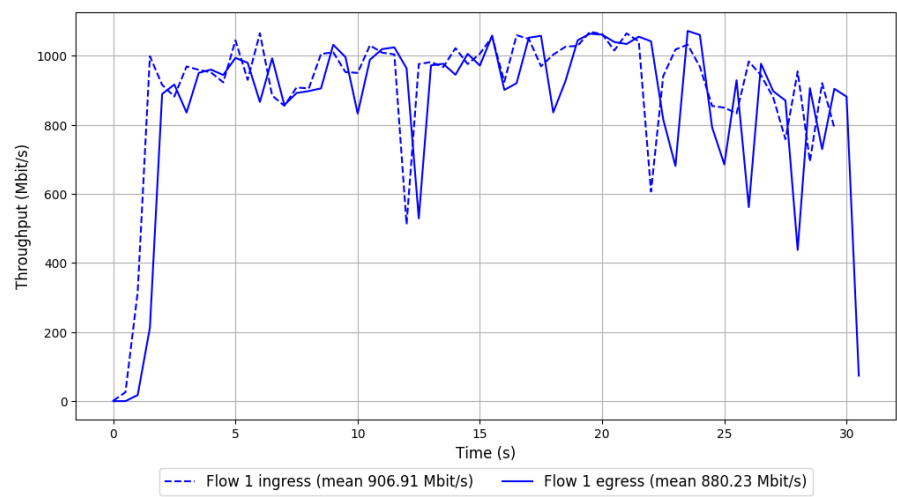


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-31 23:55:54
End at: 2018-07-31 23:56:24
Local clock offset: 35.265 ms
Remote clock offset: 0.233 ms

Below is generated by plot.py at 2018-08-01 03:40:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 880.23 Mbit/s
95th percentile per-packet one-way delay: 149.261 ms
Loss rate: 2.94%
-- Flow 1:
Average throughput: 880.23 Mbit/s
95th percentile per-packet one-way delay: 149.261 ms
Loss rate: 2.94%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-08-01 00:18:50

End at: 2018-08-01 00:19:20

Local clock offset: 15.343 ms

Remote clock offset: 0.453 ms

Below is generated by plot.py at 2018-08-01 03:40:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 691.73 Mbit/s

95th percentile per-packet one-way delay: 170.925 ms

Loss rate: 3.34%

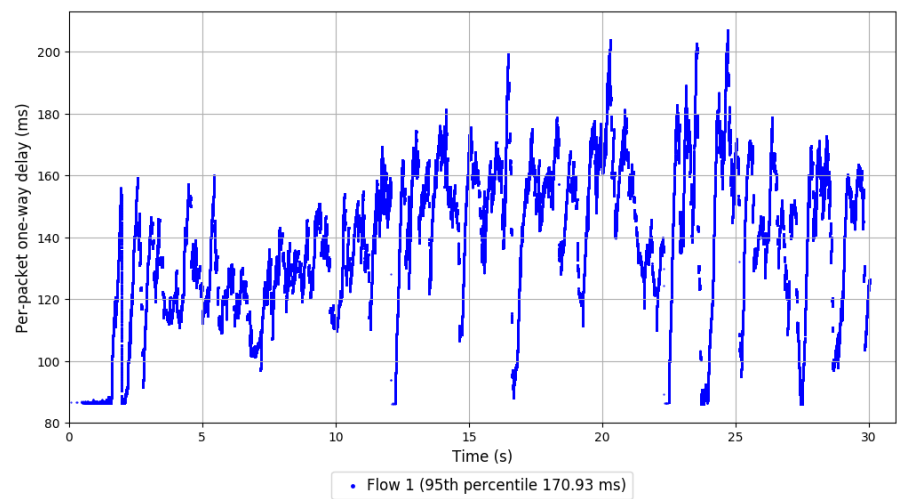
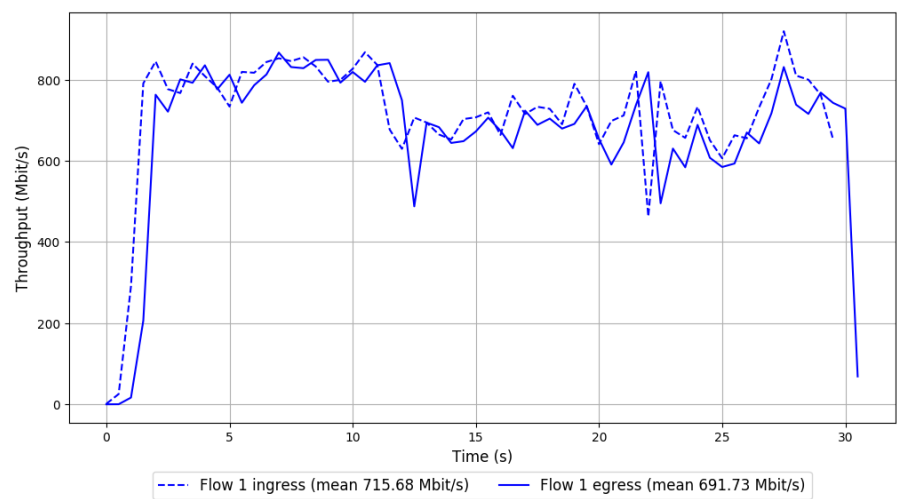
-- Flow 1:

Average throughput: 691.73 Mbit/s

95th percentile per-packet one-way delay: 170.925 ms

Loss rate: 3.34%

Run 4: Report of FillP-Sheep — Data Link

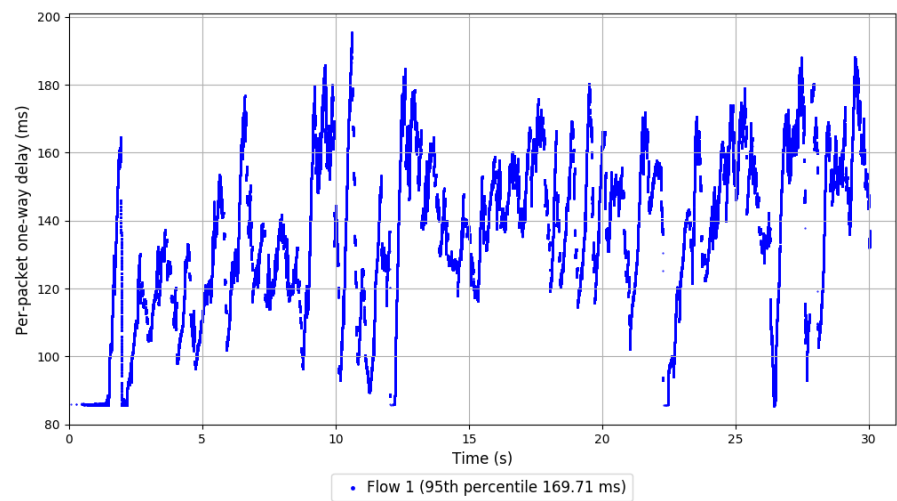
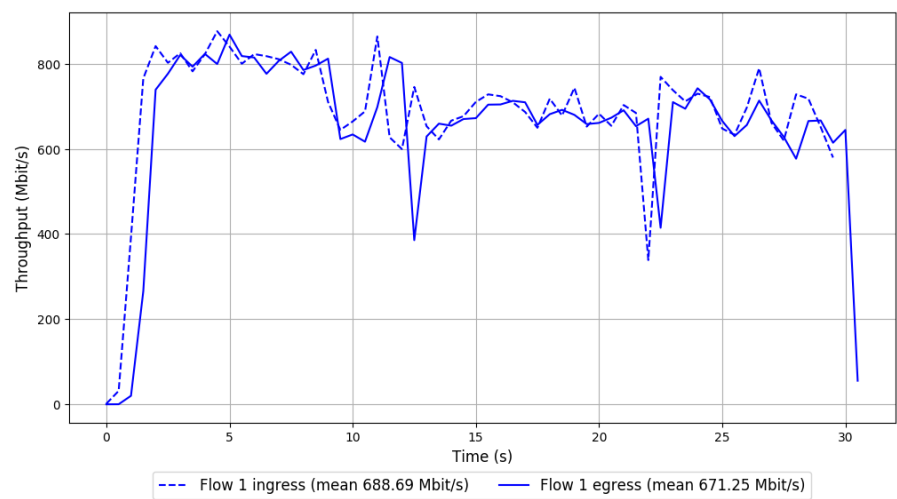


Run 5: Statistics of FillP-Sheep

Start at: 2018-08-01 00:41:36
End at: 2018-08-01 00:42:06
Local clock offset: 11.078 ms
Remote clock offset: 0.601 ms

Below is generated by plot.py at 2018-08-01 03:40:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 671.25 Mbit/s
95th percentile per-packet one-way delay: 169.709 ms
Loss rate: 2.53%
-- Flow 1:
Average throughput: 671.25 Mbit/s
95th percentile per-packet one-way delay: 169.709 ms
Loss rate: 2.53%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-08-01 01:04:26

End at: 2018-08-01 01:04:56

Local clock offset: 8.938 ms

Remote clock offset: 0.786 ms

Below is generated by plot.py at 2018-08-01 03:41:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 795.01 Mbit/s

95th percentile per-packet one-way delay: 155.621 ms

Loss rate: 1.57%

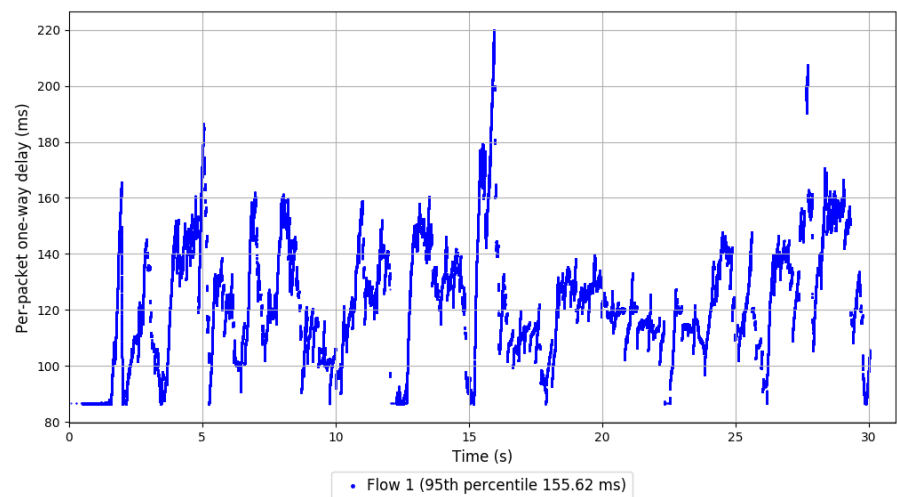
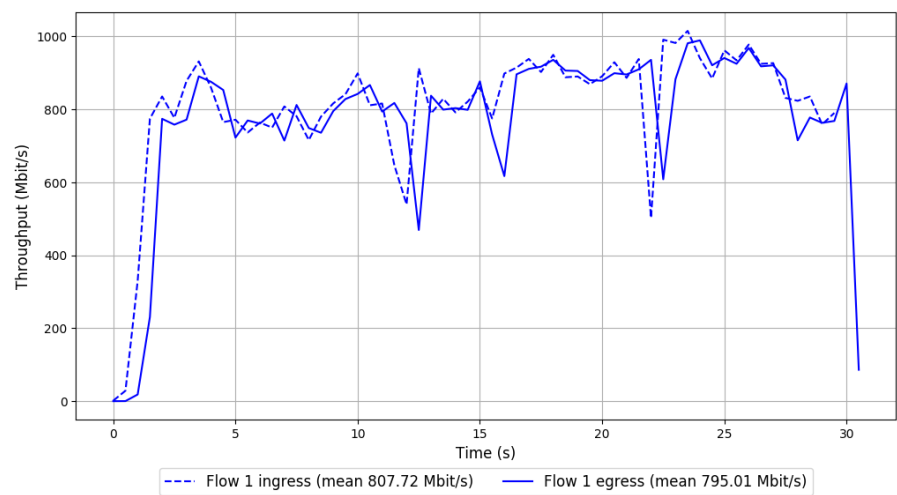
-- Flow 1:

Average throughput: 795.01 Mbit/s

95th percentile per-packet one-way delay: 155.621 ms

Loss rate: 1.57%

Run 6: Report of FillP-Sheep — Data Link

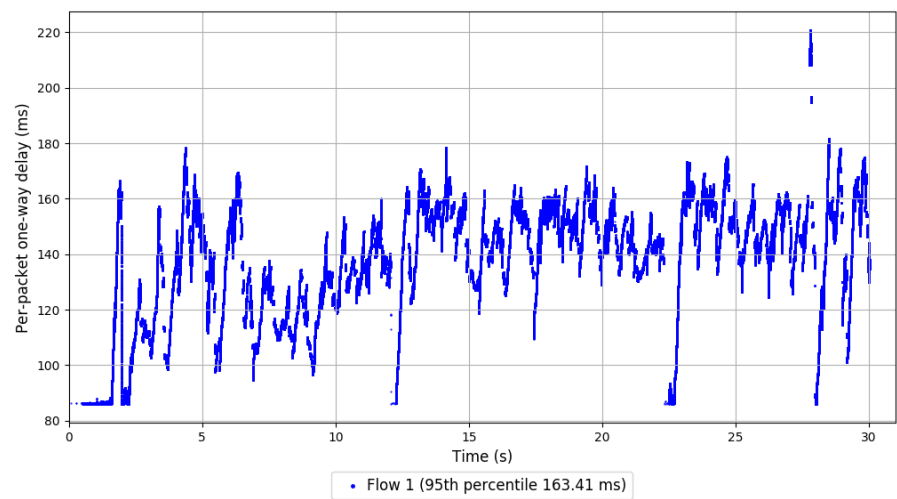
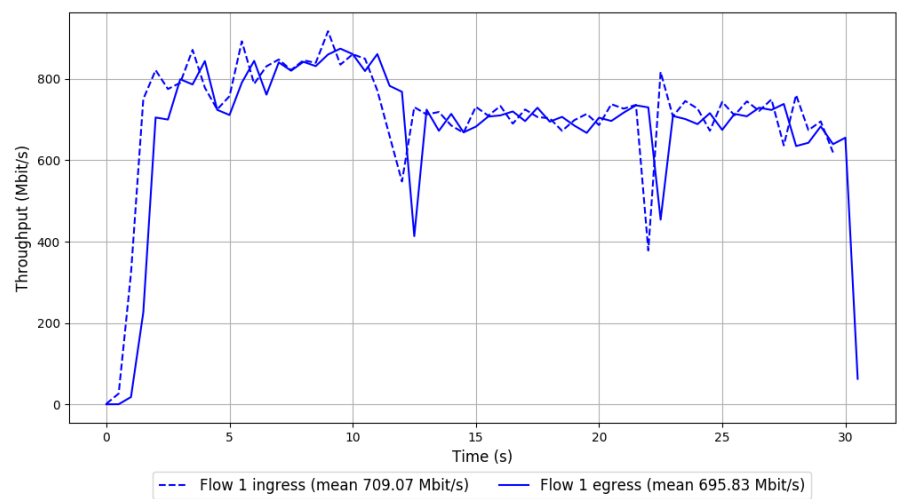


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-01 01:26:52
End at: 2018-08-01 01:27:23
Local clock offset: 3.879 ms
Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-08-01 03:47:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 695.83 Mbit/s
95th percentile per-packet one-way delay: 163.411 ms
Loss rate: 1.87%
-- Flow 1:
Average throughput: 695.83 Mbit/s
95th percentile per-packet one-way delay: 163.411 ms
Loss rate: 1.87%

Run 7: Report of FillP-Sheep — Data Link

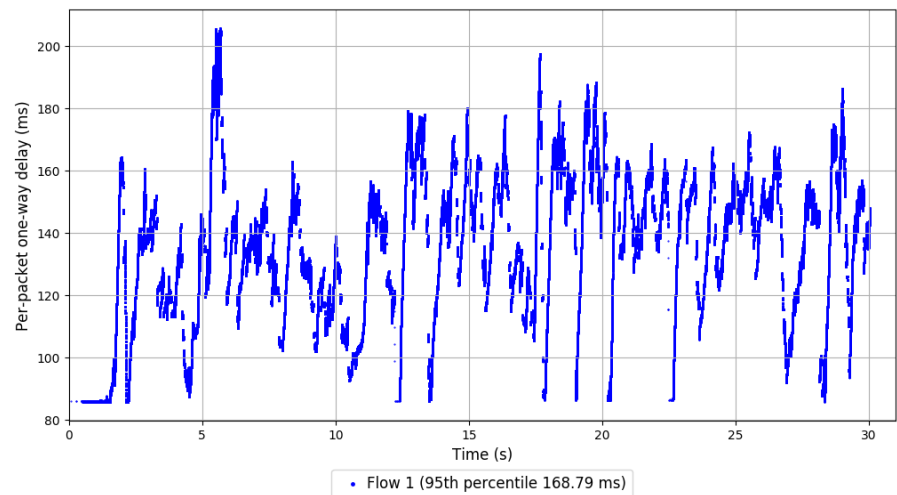
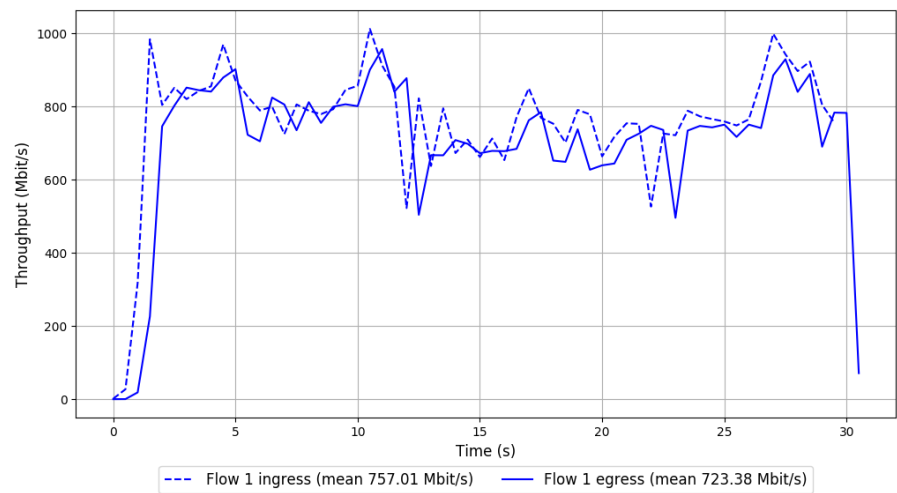


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-01 01:49:19
End at: 2018-08-01 01:49:49
Local clock offset: 2.411 ms
Remote clock offset: -0.151 ms

Below is generated by plot.py at 2018-08-01 03:49:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 723.38 Mbit/s
95th percentile per-packet one-way delay: 168.790 ms
Loss rate: 4.43%
-- Flow 1:
Average throughput: 723.38 Mbit/s
95th percentile per-packet one-way delay: 168.790 ms
Loss rate: 4.43%

Run 8: Report of FillP-Sheep — Data Link

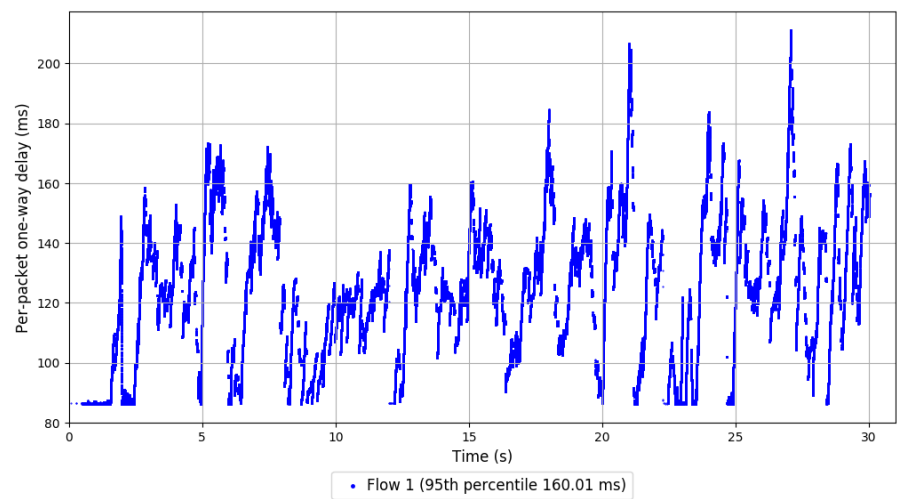
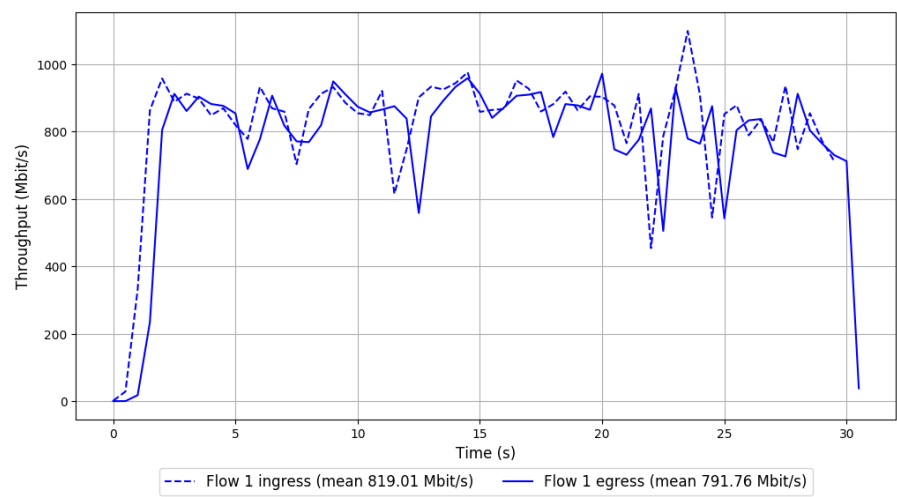


Run 9: Statistics of FillP-Sheep

Start at: 2018-08-01 02:11:42
End at: 2018-08-01 02:12:12
Local clock offset: 1.021 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-08-01 03:51:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 791.76 Mbit/s
95th percentile per-packet one-way delay: 160.012 ms
Loss rate: 3.33%
-- Flow 1:
Average throughput: 791.76 Mbit/s
95th percentile per-packet one-way delay: 160.012 ms
Loss rate: 3.33%

Run 9: Report of FillP-Sheep — Data Link

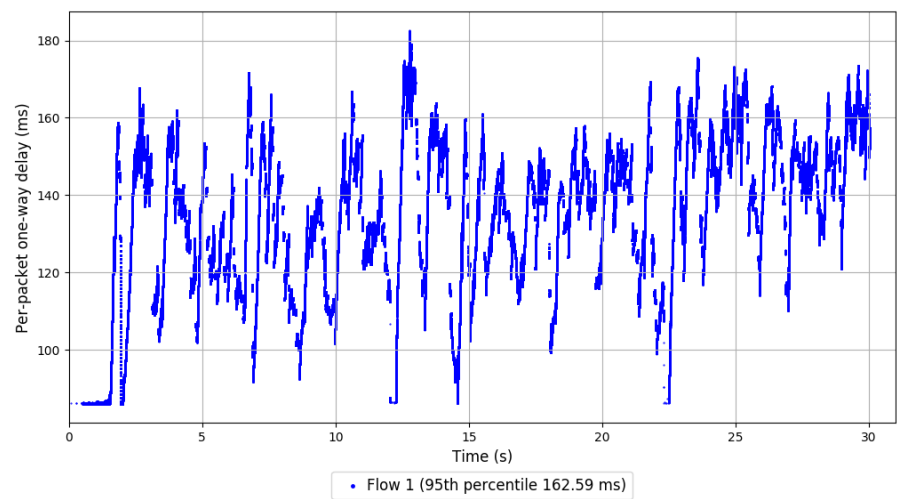
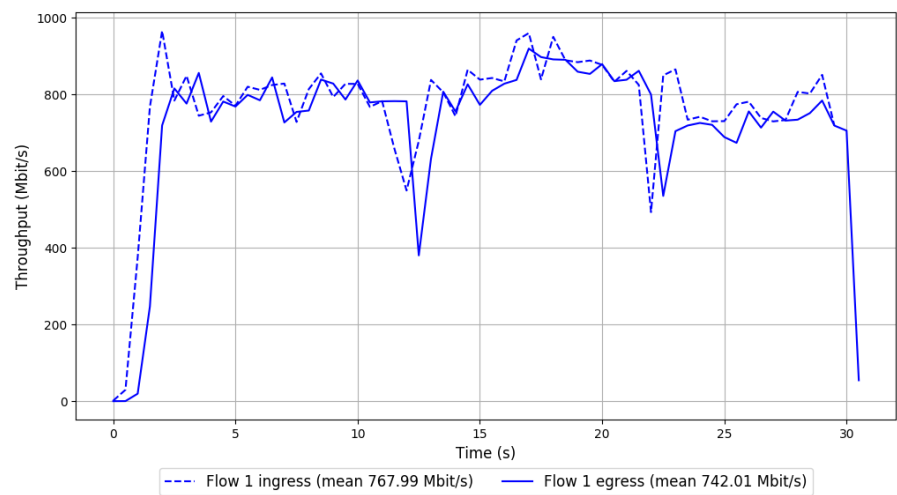


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-01 02:34:11
End at: 2018-08-01 02:34:41
Local clock offset: 0.463 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-08-01 03:51:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 742.01 Mbit/s
95th percentile per-packet one-way delay: 162.590 ms
Loss rate: 3.38%
-- Flow 1:
Average throughput: 742.01 Mbit/s
95th percentile per-packet one-way delay: 162.590 ms
Loss rate: 3.38%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

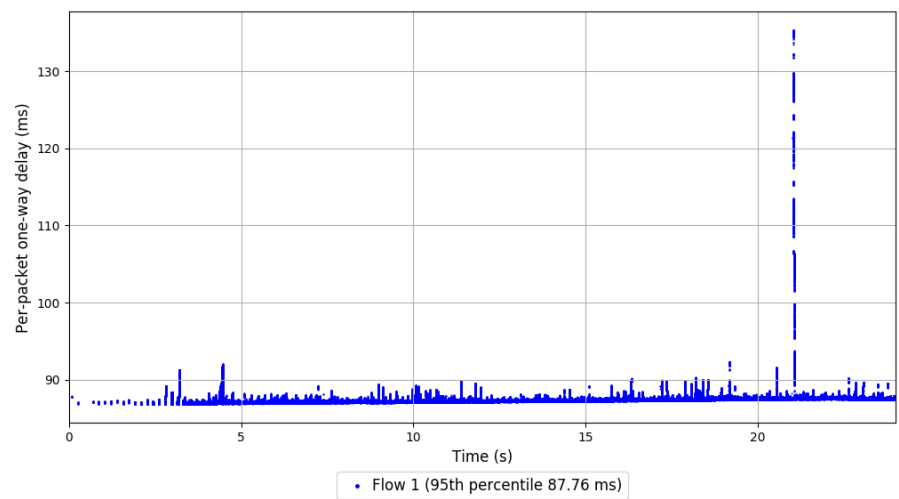
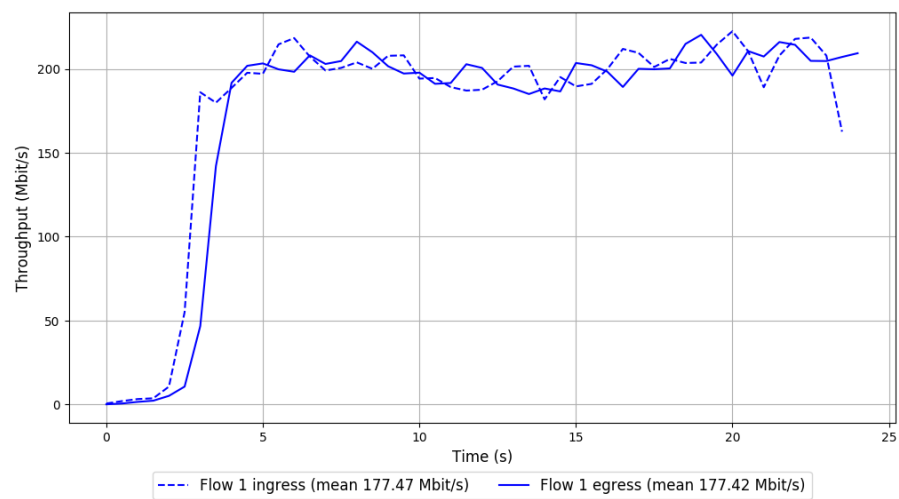
Start at: 2018-07-31 23:08:28

End at: 2018-07-31 23:08:58

Local clock offset: 16.87 ms

Remote clock offset: 0.068 ms

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-31 23:30:42

End at: 2018-07-31 23:31:12

Local clock offset: 21.549 ms

Remote clock offset: 0.097 ms

Below is generated by plot.py at 2018-08-01 03:51:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.39 Mbit/s

95th percentile per-packet one-way delay: 87.431 ms

Loss rate: 0.00%

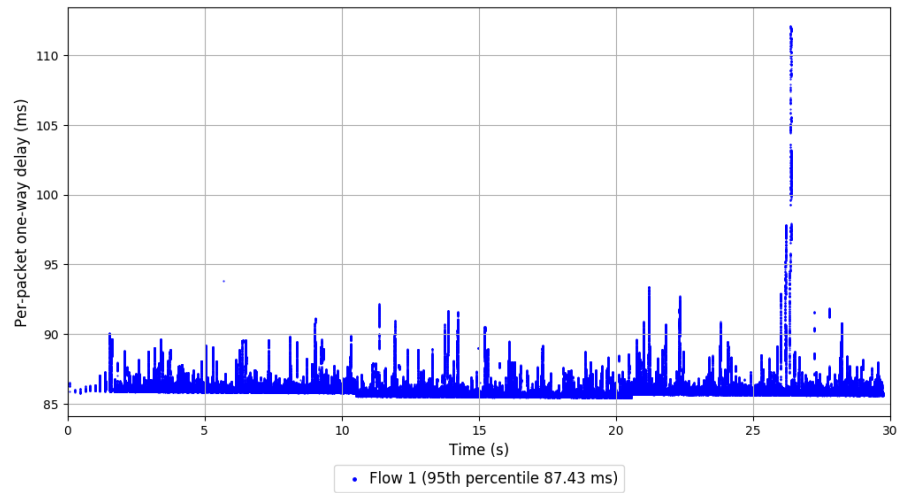
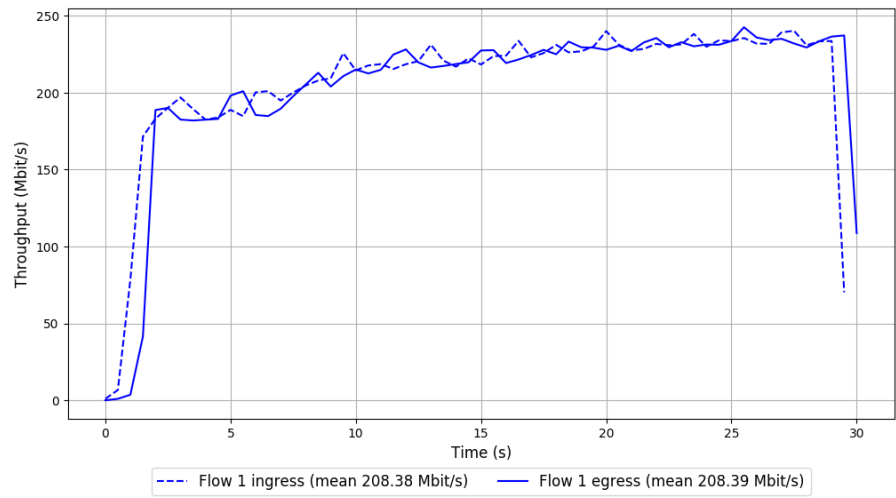
-- Flow 1:

Average throughput: 208.39 Mbit/s

95th percentile per-packet one-way delay: 87.431 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-31 23:53:07

End at: 2018-07-31 23:53:37

Local clock offset: 32.469 ms

Remote clock offset: 0.226 ms

Below is generated by plot.py at 2018-08-01 03:51:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.32 Mbit/s

95th percentile per-packet one-way delay: 88.475 ms

Loss rate: 0.00%

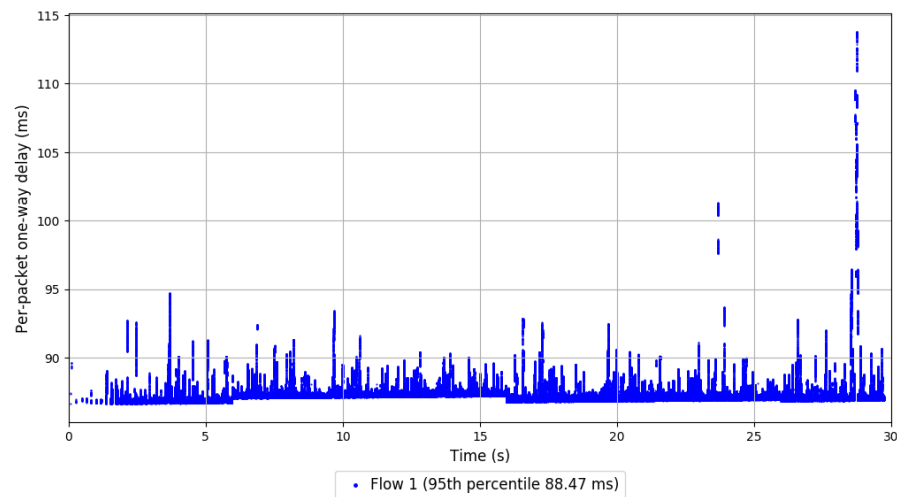
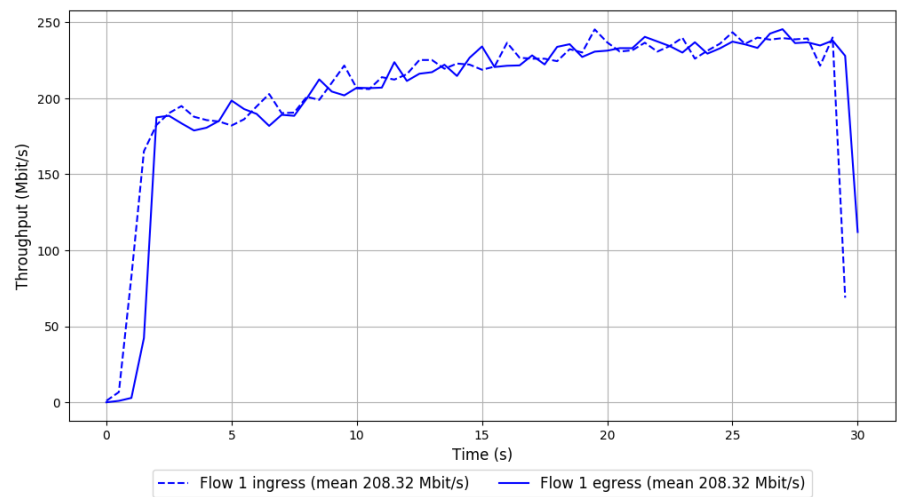
-- Flow 1:

Average throughput: 208.32 Mbit/s

95th percentile per-packet one-way delay: 88.475 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-08-01 00:16:02

End at: 2018-08-01 00:16:32

Local clock offset: 15.565 ms

Remote clock offset: 0.362 ms

Below is generated by plot.py at 2018-08-01 03:51:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.24 Mbit/s

95th percentile per-packet one-way delay: 87.377 ms

Loss rate: 0.00%

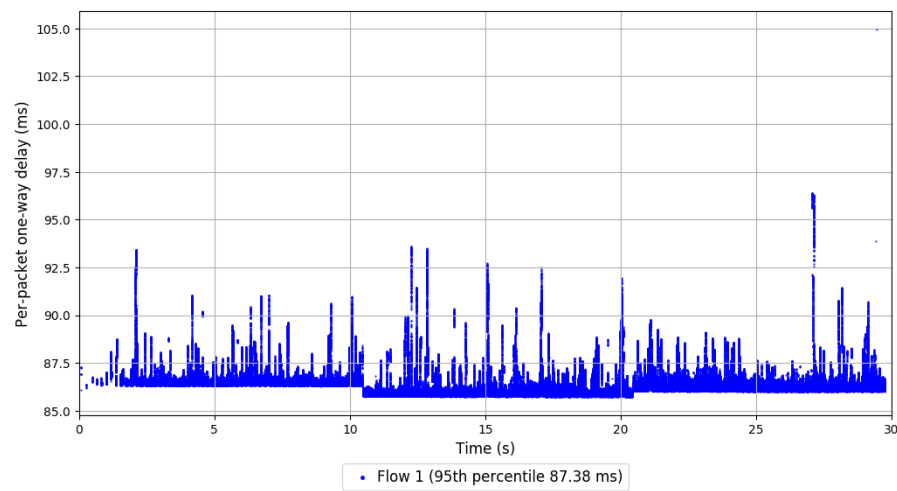
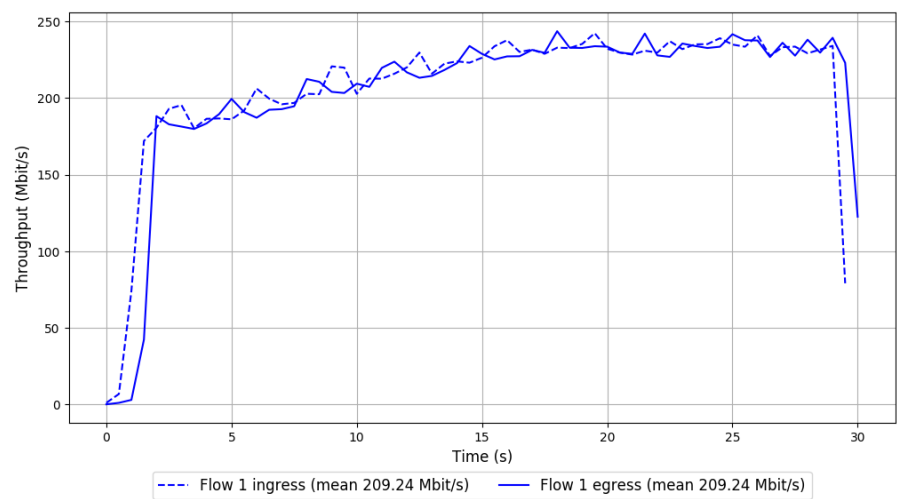
-- Flow 1:

Average throughput: 209.24 Mbit/s

95th percentile per-packet one-way delay: 87.377 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-08-01 00:38:49

End at: 2018-08-01 00:39:19

Local clock offset: 13.748 ms

Remote clock offset: 0.575 ms

Below is generated by plot.py at 2018-08-01 03:51:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 201.32 Mbit/s

95th percentile per-packet one-way delay: 86.092 ms

Loss rate: 0.00%

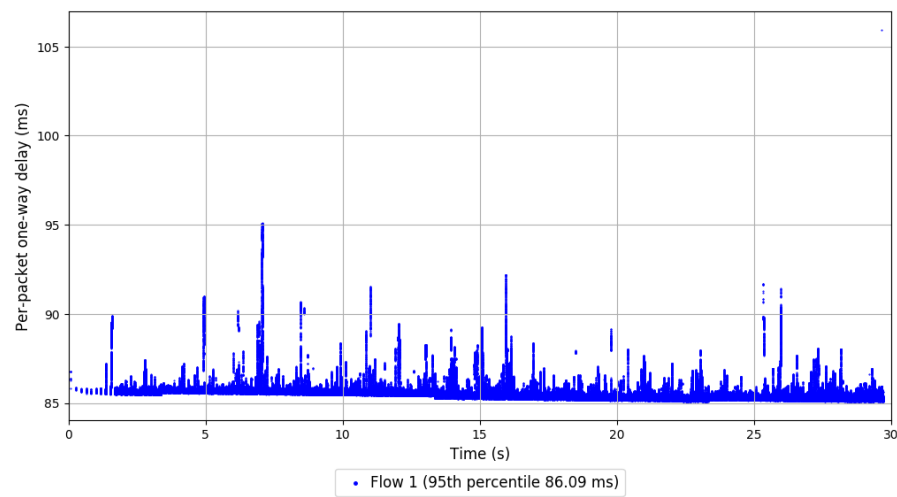
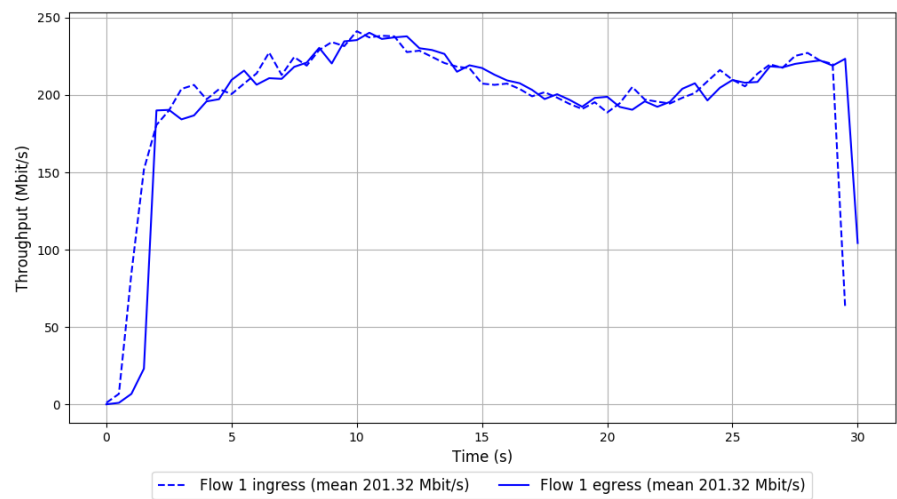
-- Flow 1:

Average throughput: 201.32 Mbit/s

95th percentile per-packet one-way delay: 86.092 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-08-01 01:01:37

End at: 2018-08-01 01:02:07

Local clock offset: 8.703 ms

Remote clock offset: 0.732 ms

Below is generated by plot.py at 2018-08-01 03:51:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.98 Mbit/s

95th percentile per-packet one-way delay: 86.536 ms

Loss rate: 0.00%

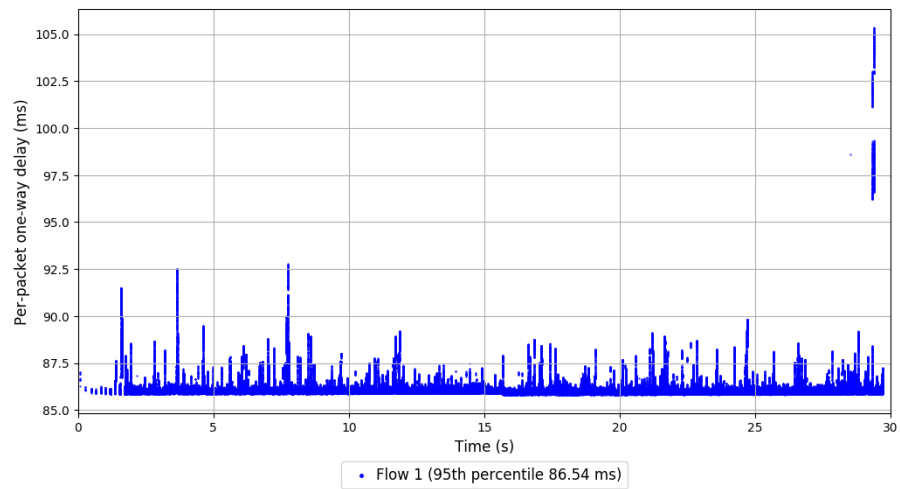
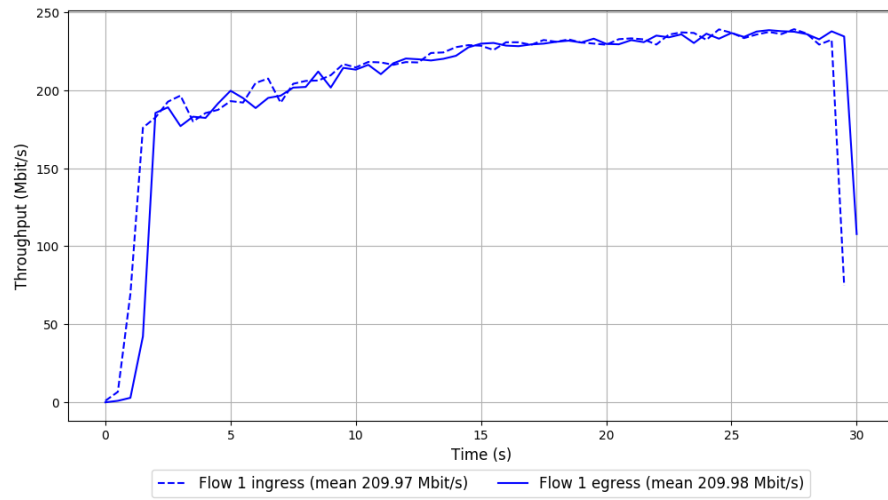
-- Flow 1:

Average throughput: 209.98 Mbit/s

95th percentile per-packet one-way delay: 86.536 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-08-01 01:24:06

End at: 2018-08-01 01:24:36

Local clock offset: 4.047 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-08-01 03:51:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 198.64 Mbit/s

95th percentile per-packet one-way delay: 86.484 ms

Loss rate: 0.00%

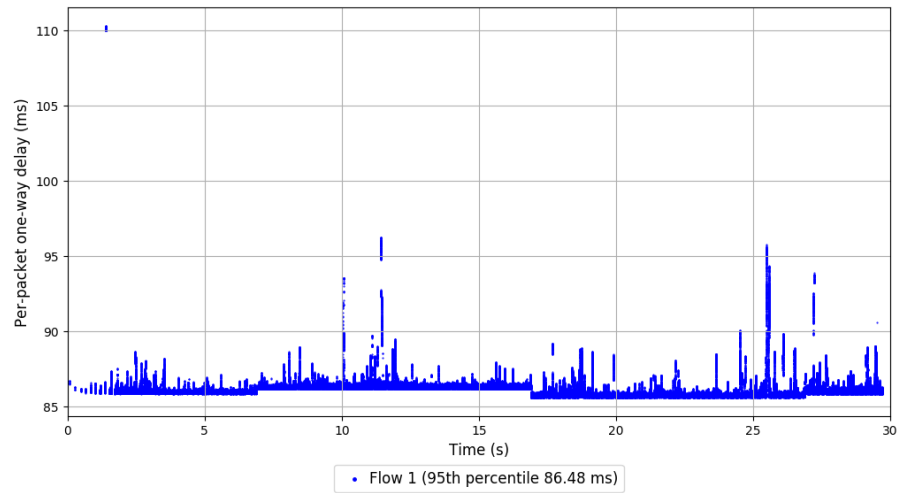
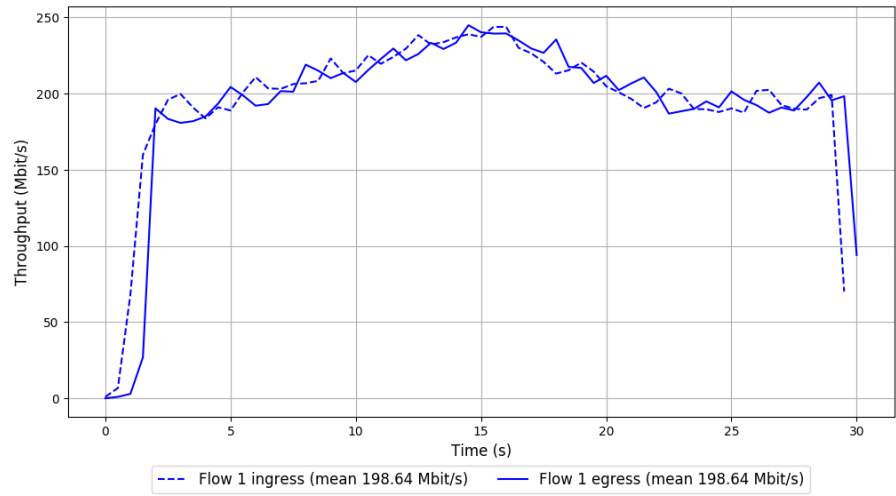
-- Flow 1:

Average throughput: 198.64 Mbit/s

95th percentile per-packet one-way delay: 86.484 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

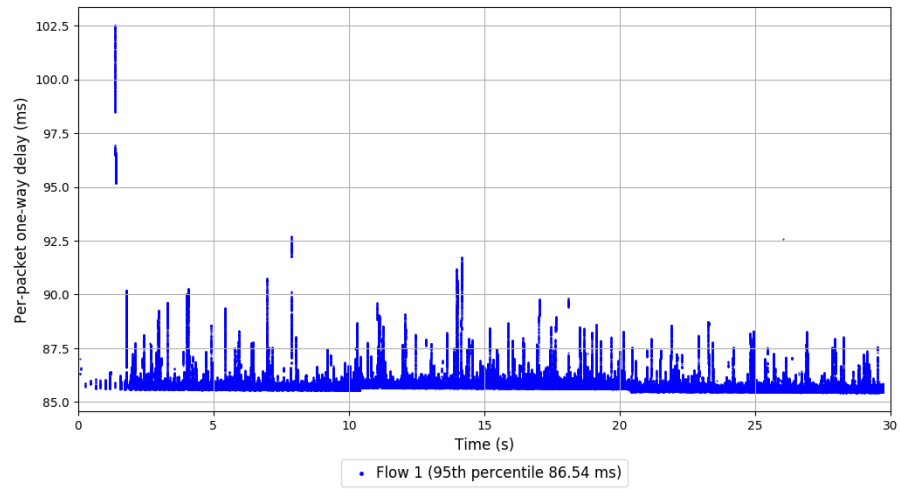
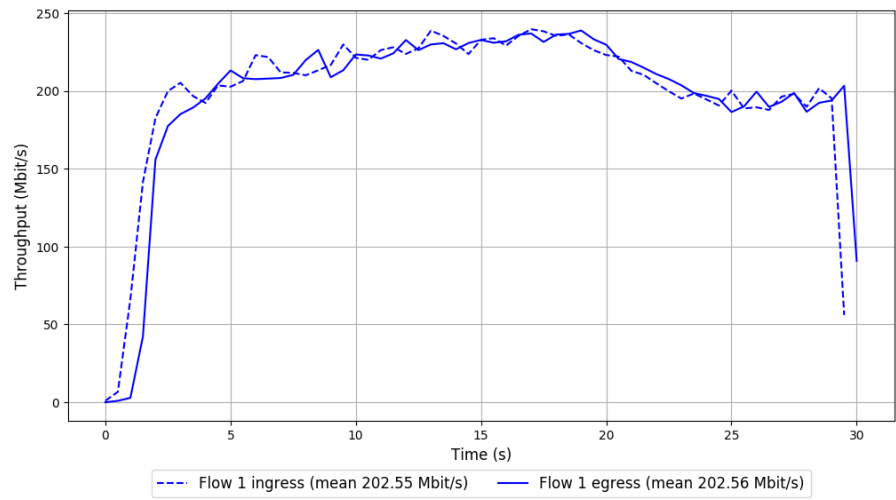


Run 8: Statistics of Indigo

Start at: 2018-08-01 01:46:32
End at: 2018-08-01 01:47:02
Local clock offset: 3.453 ms
Remote clock offset: -0.179 ms

Below is generated by plot.py at 2018-08-01 03:51:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 202.56 Mbit/s
95th percentile per-packet one-way delay: 86.538 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 202.56 Mbit/s
95th percentile per-packet one-way delay: 86.538 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

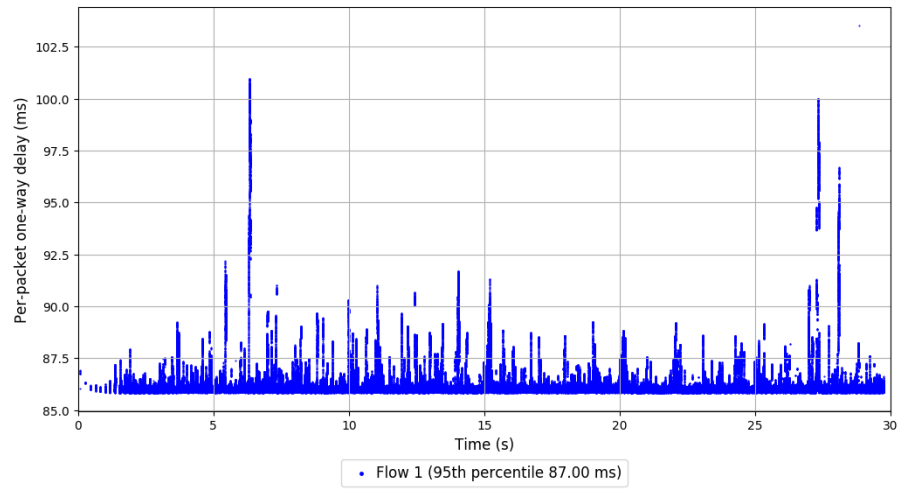
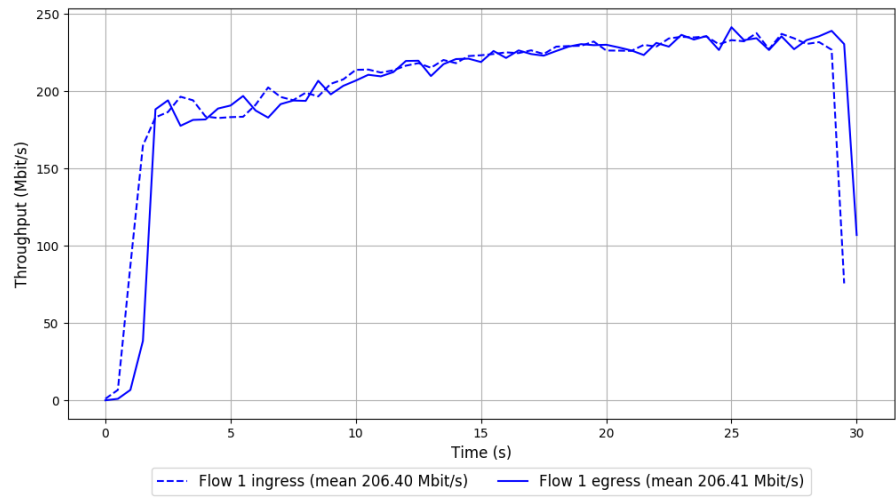


Run 9: Statistics of Indigo

Start at: 2018-08-01 02:08:55
End at: 2018-08-01 02:09:25
Local clock offset: 1.173 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-08-01 03:51:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 206.41 Mbit/s
95th percentile per-packet one-way delay: 86.997 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 206.41 Mbit/s
95th percentile per-packet one-way delay: 86.997 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-08-01 02:31:23

End at: 2018-08-01 02:31:53

Local clock offset: 0.309 ms

Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-08-01 03:51:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 199.84 Mbit/s

95th percentile per-packet one-way delay: 87.295 ms

Loss rate: 0.00%

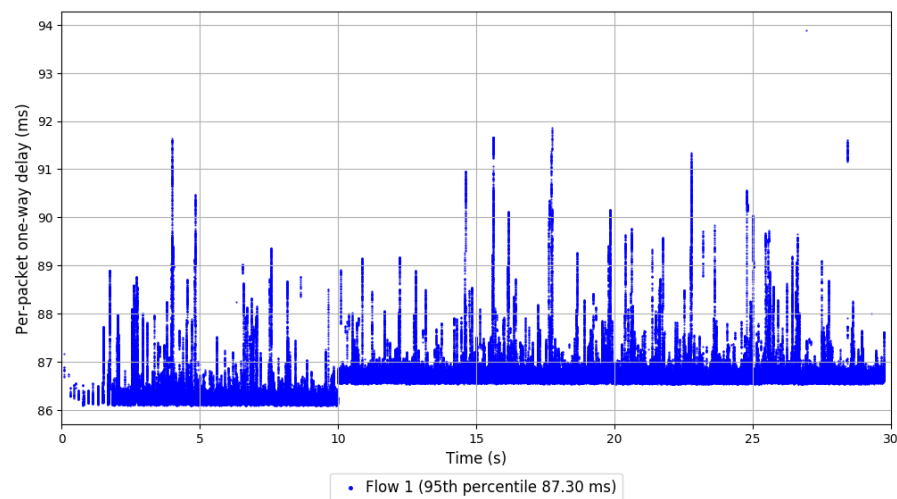
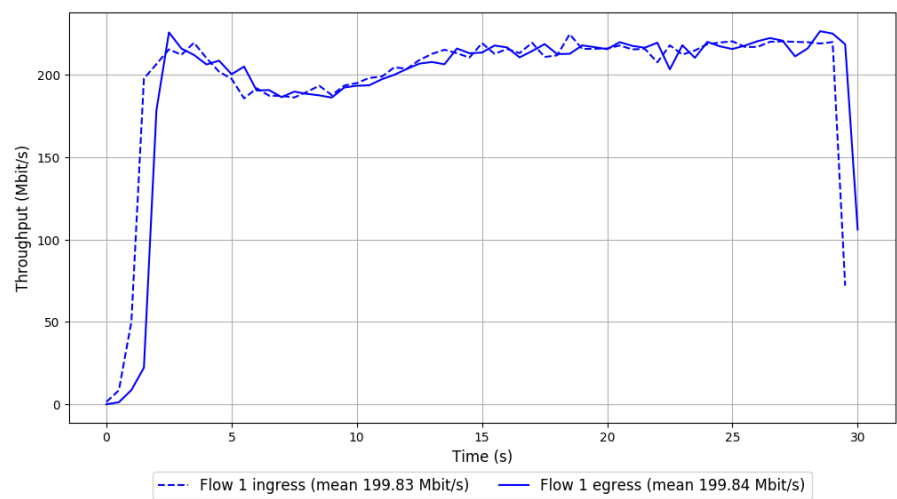
-- Flow 1:

Average throughput: 199.84 Mbit/s

95th percentile per-packet one-way delay: 87.295 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

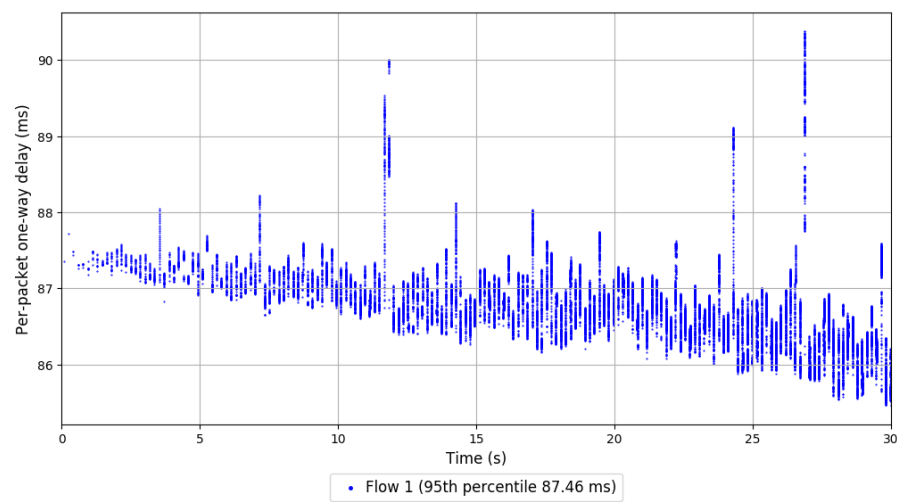
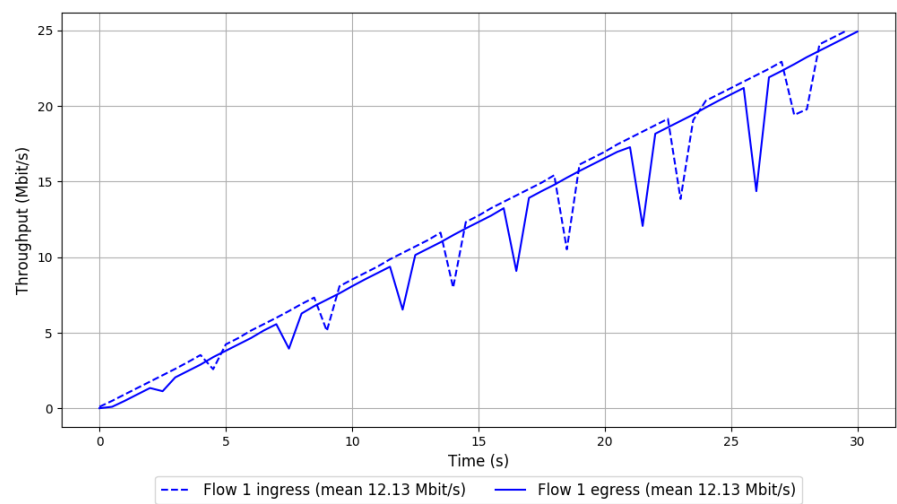


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-31 23:00:25
End at: 2018-07-31 23:00:55
Local clock offset: 11.155 ms
Remote clock offset: -0.03 ms

# Below is generated by plot.py at 2018-08-01 03:51:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.13 Mbit/s
95th percentile per-packet one-way delay: 87.463 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.13 Mbit/s
95th percentile per-packet one-way delay: 87.463 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-07-31 23:22:42

End at: 2018-07-31 23:23:12

Local clock offset: 21.832 ms

Remote clock offset: 0.084 ms

Below is generated by plot.py at 2018-08-01 03:51:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.75 Mbit/s

95th percentile per-packet one-way delay: 89.765 ms

Loss rate: 0.00%

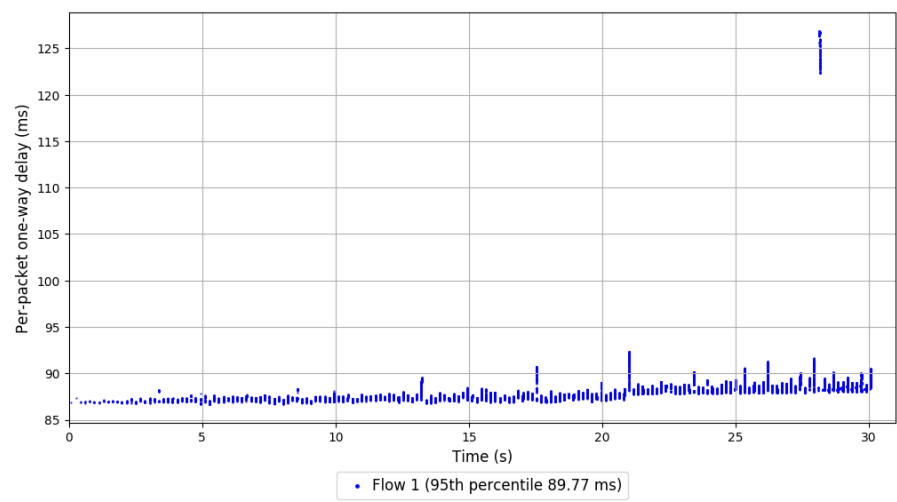
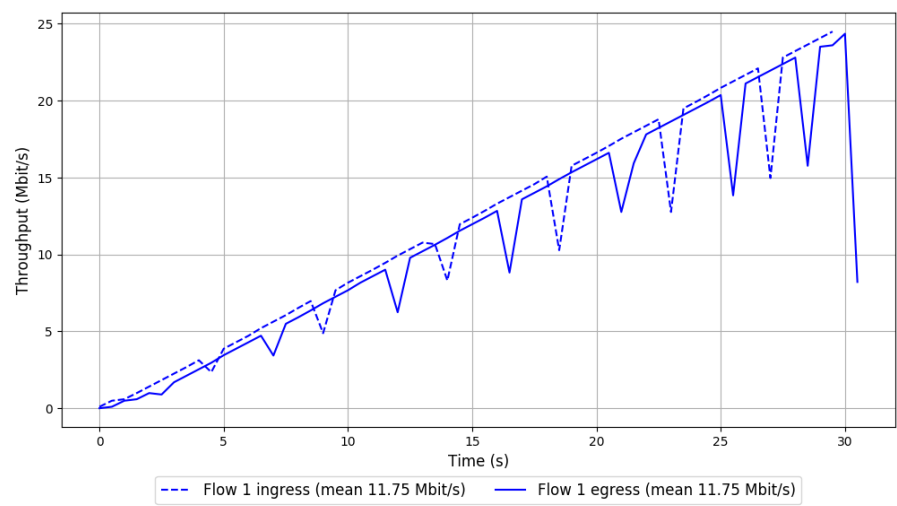
-- Flow 1:

Average throughput: 11.75 Mbit/s

95th percentile per-packet one-way delay: 89.765 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-31 23:45:06

End at: 2018-07-31 23:45:36

Local clock offset: 24.954 ms

Remote clock offset: 0.144 ms

Below is generated by plot.py at 2018-08-01 03:51:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.09 Mbit/s

95th percentile per-packet one-way delay: 88.655 ms

Loss rate: 0.00%

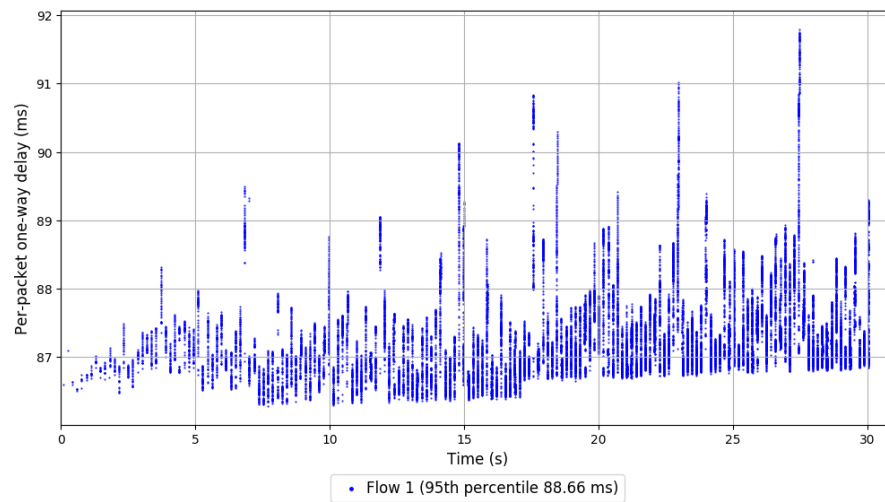
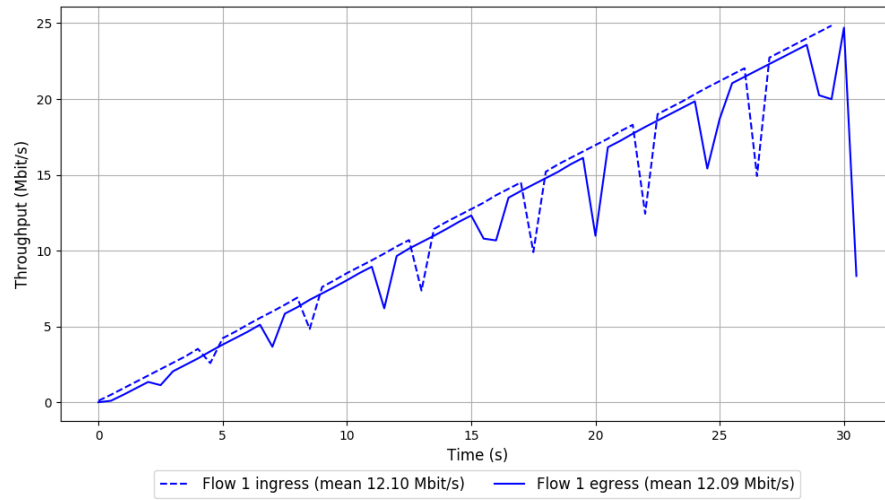
-- Flow 1:

Average throughput: 12.09 Mbit/s

95th percentile per-packet one-way delay: 88.655 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-08-01 00:07:54

End at: 2018-08-01 00:08:24

Local clock offset: 21.384 ms

Remote clock offset: 0.356 ms

Below is generated by plot.py at 2018-08-01 03:51:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.70 Mbit/s

95th percentile per-packet one-way delay: 86.291 ms

Loss rate: 0.00%

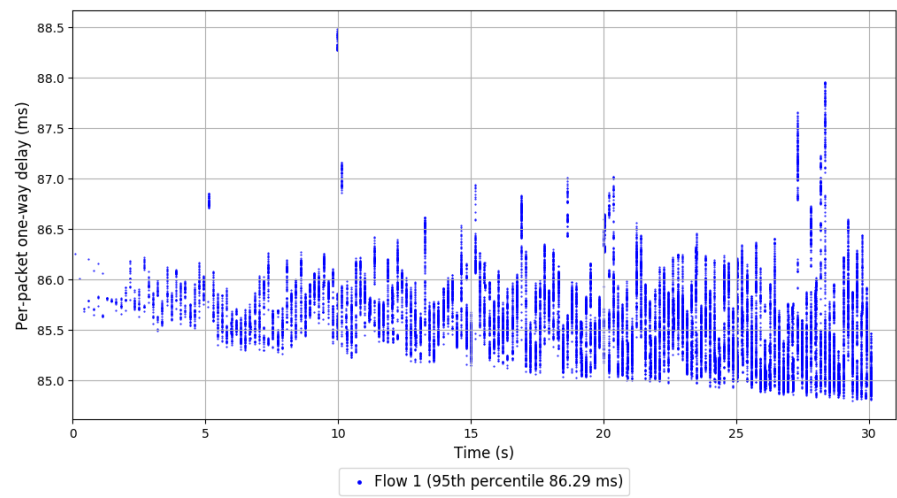
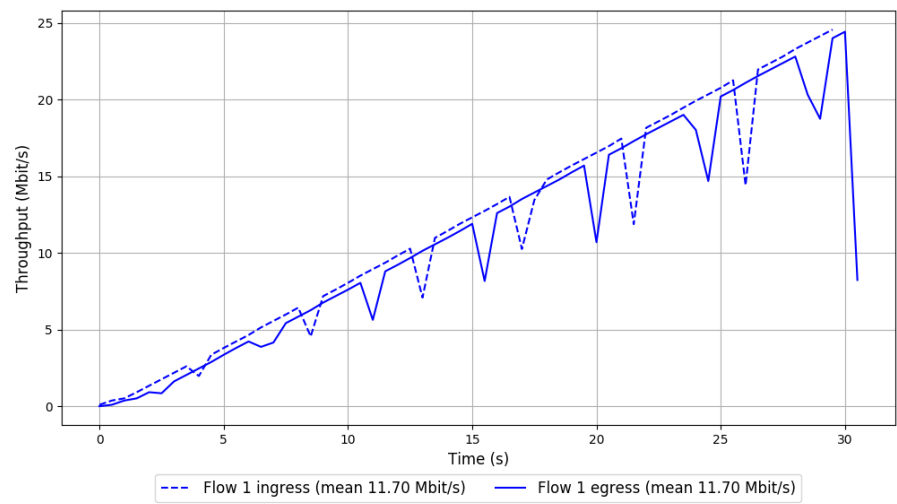
-- Flow 1:

Average throughput: 11.70 Mbit/s

95th percentile per-packet one-way delay: 86.291 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-08-01 00:30:40

End at: 2018-08-01 00:31:10

Local clock offset: 18.734 ms

Remote clock offset: 0.525 ms

Below is generated by plot.py at 2018-08-01 03:51:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.10 Mbit/s

95th percentile per-packet one-way delay: 88.246 ms

Loss rate: 0.00%

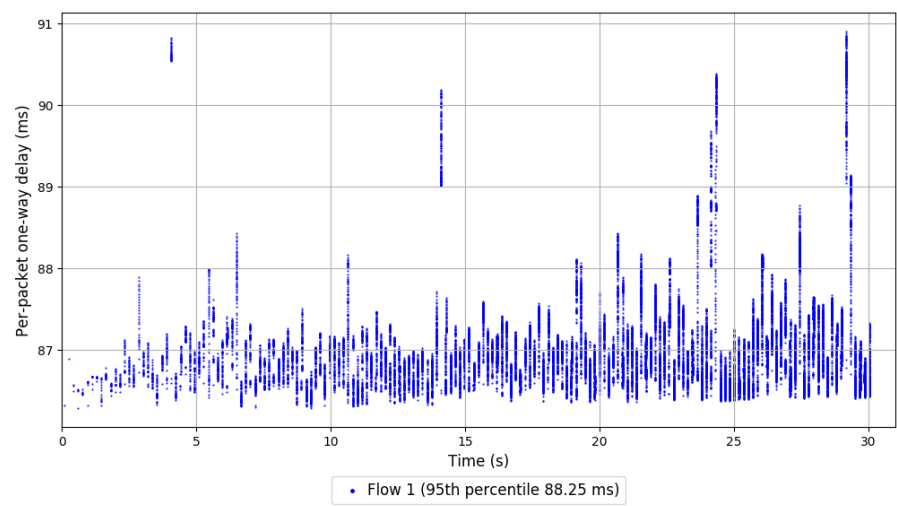
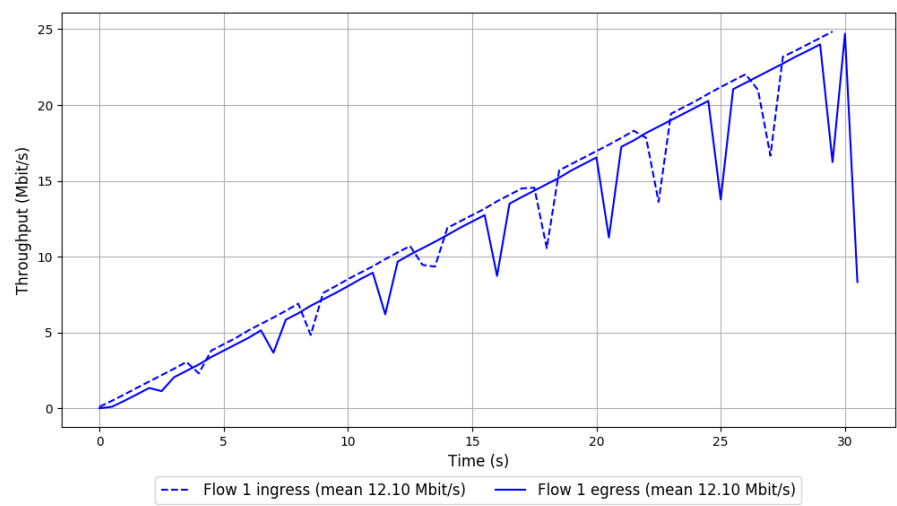
-- Flow 1:

Average throughput: 12.10 Mbit/s

95th percentile per-packet one-way delay: 88.246 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-08-01 00:53:24

End at: 2018-08-01 00:53:54

Local clock offset: 7.808 ms

Remote clock offset: 0.626 ms

Below is generated by plot.py at 2018-08-01 03:51:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.15 Mbit/s

95th percentile per-packet one-way delay: 87.336 ms

Loss rate: 0.00%

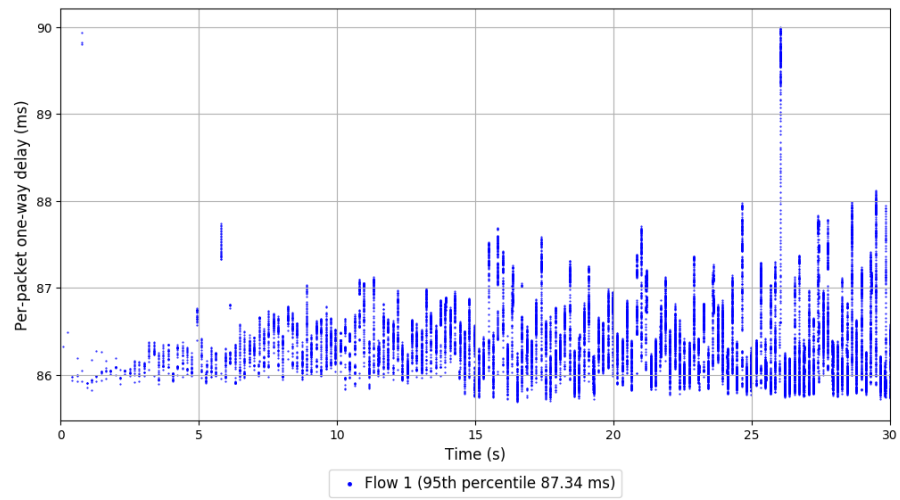
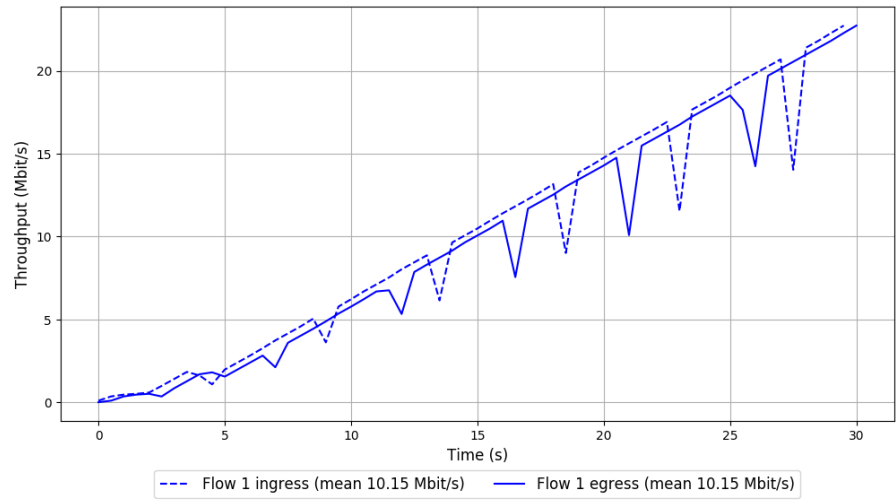
-- Flow 1:

Average throughput: 10.15 Mbit/s

95th percentile per-packet one-way delay: 87.336 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-08-01 01:16:17

End at: 2018-08-01 01:16:47

Local clock offset: 5.271 ms

Remote clock offset: 0.264 ms

Below is generated by plot.py at 2018-08-01 03:51:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.10 Mbit/s

95th percentile per-packet one-way delay: 87.949 ms

Loss rate: 0.00%

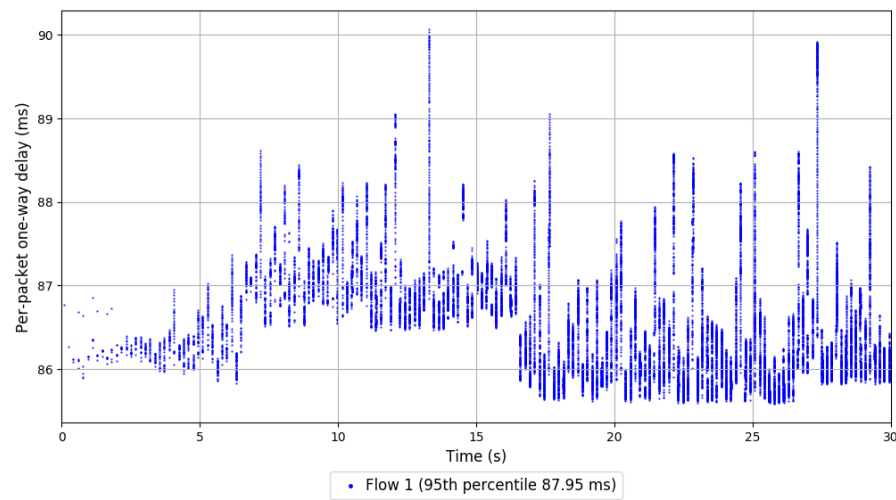
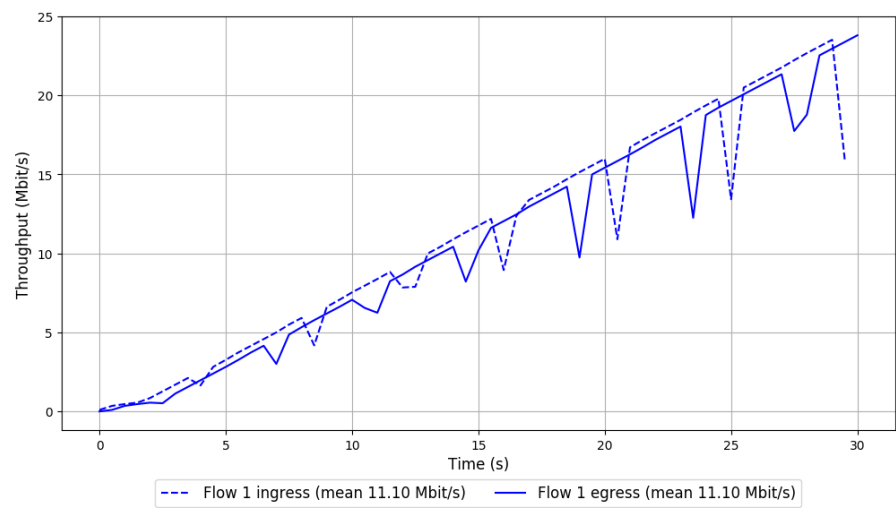
-- Flow 1:

Average throughput: 11.10 Mbit/s

95th percentile per-packet one-way delay: 87.949 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

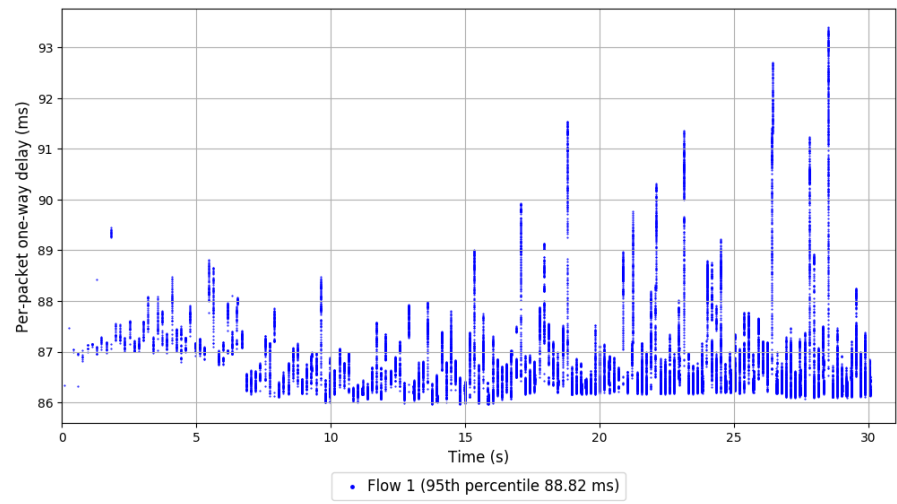
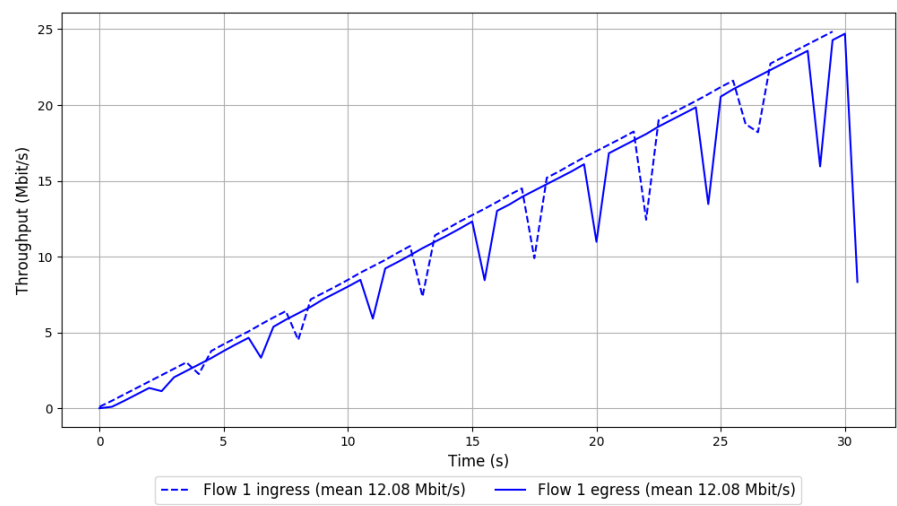


Run 8: Statistics of LEDBAT

Start at: 2018-08-01 01:38:36
End at: 2018-08-01 01:39:06
Local clock offset: 4.335 ms
Remote clock offset: -0.254 ms

Below is generated by plot.py at 2018-08-01 03:51:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.08 Mbit/s
95th percentile per-packet one-way delay: 88.817 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.08 Mbit/s
95th percentile per-packet one-way delay: 88.817 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

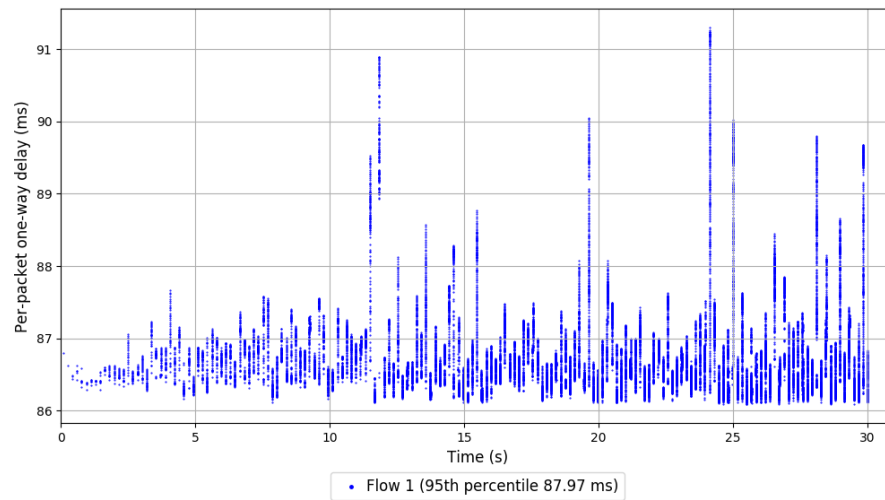
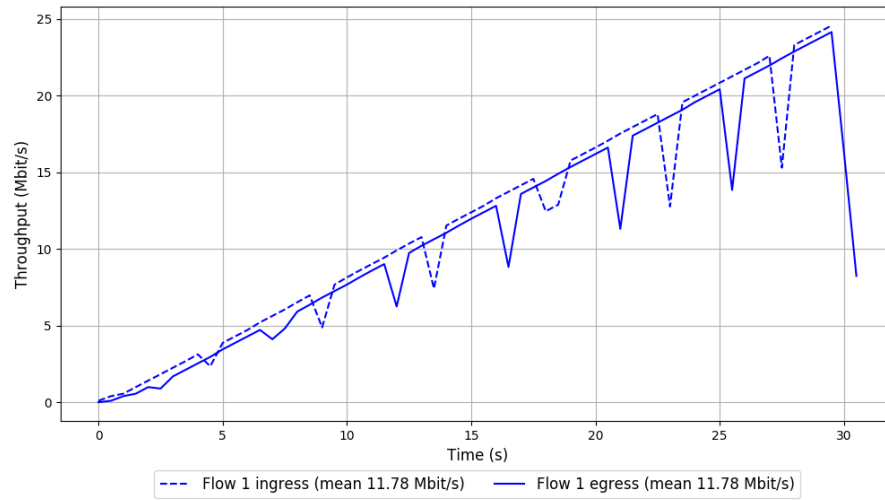


Run 9: Statistics of LEDBAT

Start at: 2018-08-01 02:01:02
End at: 2018-08-01 02:01:32
Local clock offset: 1.157 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-08-01 03:51:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.78 Mbit/s
95th percentile per-packet one-way delay: 87.965 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.78 Mbit/s
95th percentile per-packet one-way delay: 87.965 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

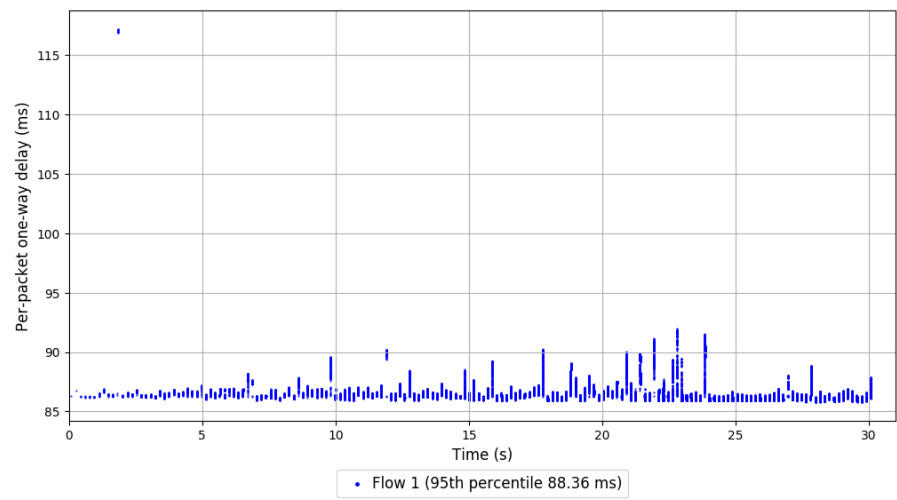
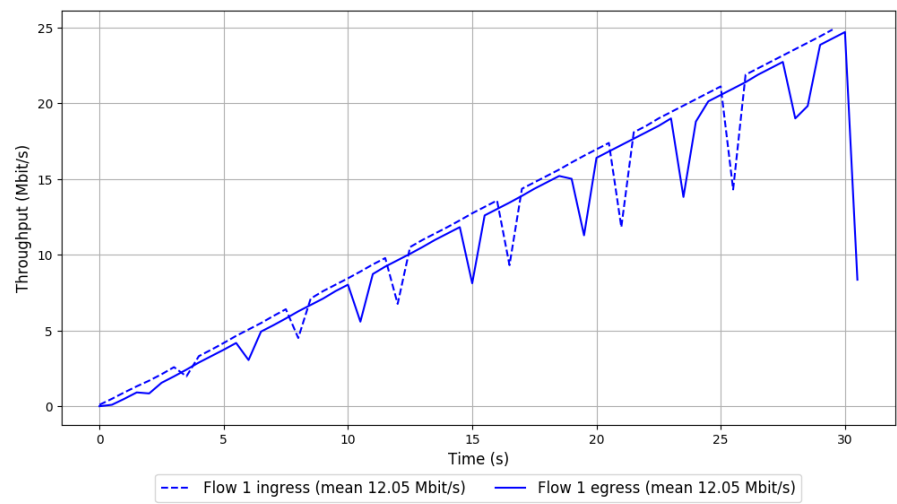


Run 10: Statistics of LEDBAT

Start at: 2018-08-01 02:23:26
End at: 2018-08-01 02:23:56
Local clock offset: 0.832 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-08-01 03:51:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.05 Mbit/s
95th percentile per-packet one-way delay: 88.360 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.05 Mbit/s
95th percentile per-packet one-way delay: 88.360 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

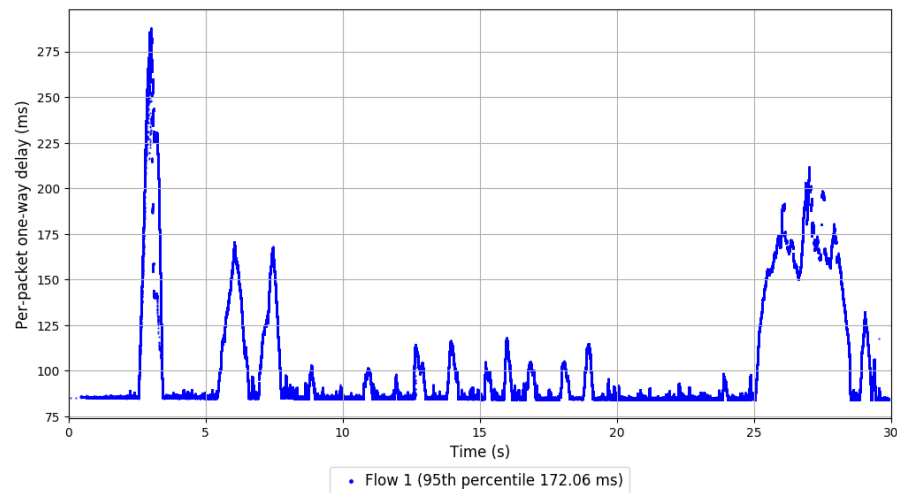
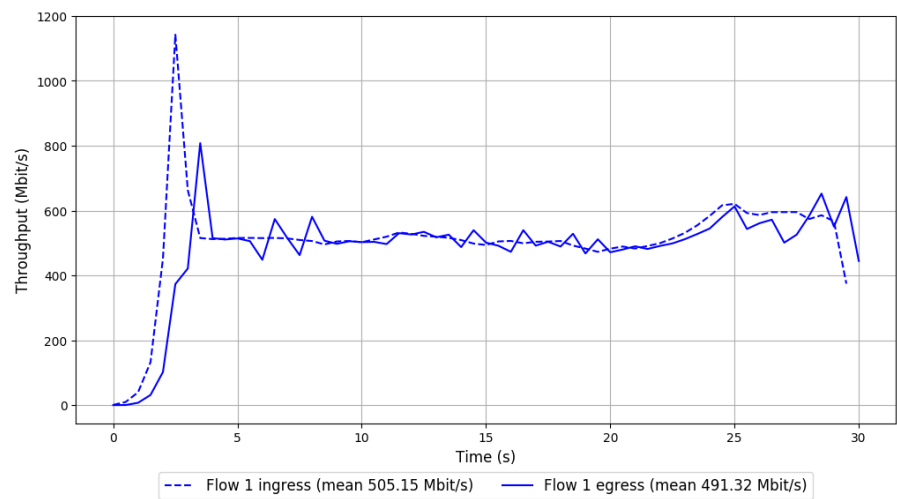


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-31 23:09:45
End at: 2018-07-31 23:10:15
Local clock offset: 17.546 ms
Remote clock offset: 0.072 ms

# Below is generated by plot.py at 2018-08-01 03:56:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 491.32 Mbit/s
95th percentile per-packet one-way delay: 172.061 ms
Loss rate: 2.74%
-- Flow 1:
Average throughput: 491.32 Mbit/s
95th percentile per-packet one-way delay: 172.061 ms
Loss rate: 2.74%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-31 23:32:03

End at: 2018-07-31 23:32:33

Local clock offset: 20.807 ms

Remote clock offset: 0.131 ms

Below is generated by plot.py at 2018-08-01 03:56:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 347.41 Mbit/s

95th percentile per-packet one-way delay: 142.925 ms

Loss rate: 2.05%

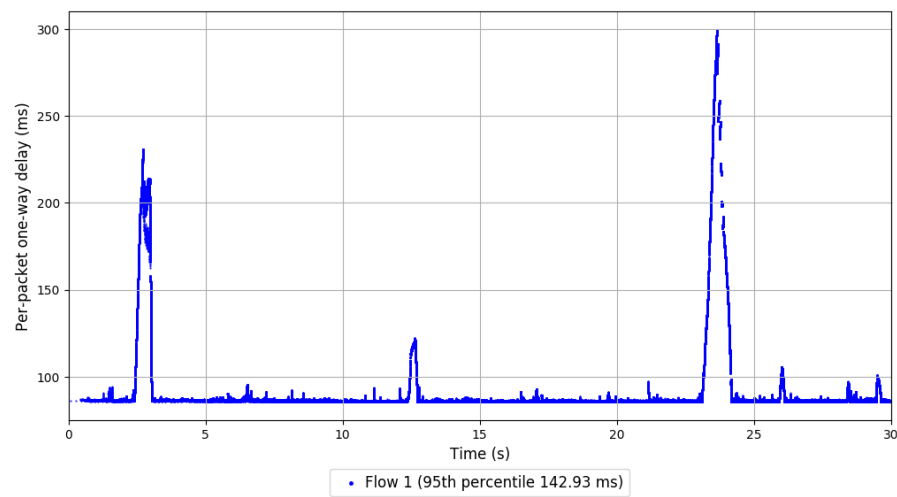
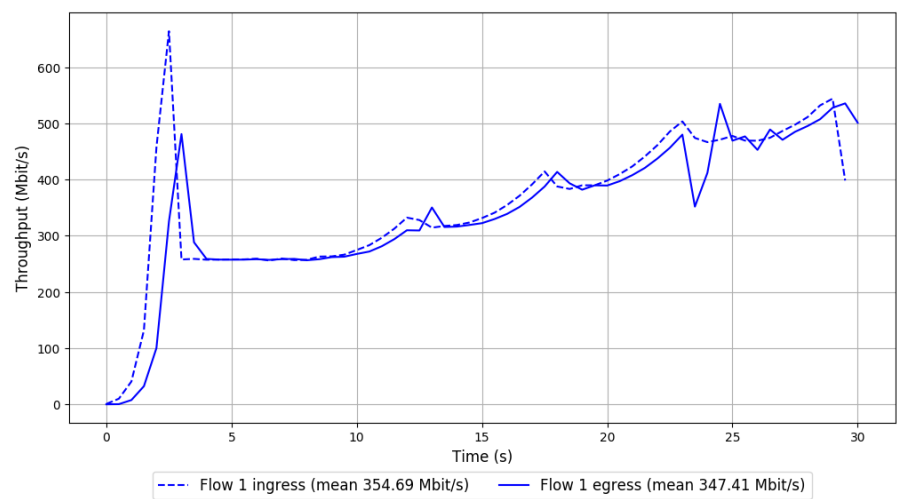
-- Flow 1:

Average throughput: 347.41 Mbit/s

95th percentile per-packet one-way delay: 142.925 ms

Loss rate: 2.05%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-31 23:54:27

End at: 2018-07-31 23:54:57

Local clock offset: 33.818 ms

Remote clock offset: 0.256 ms

Below is generated by plot.py at 2018-08-01 03:56:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 502.54 Mbit/s

95th percentile per-packet one-way delay: 125.509 ms

Loss rate: 1.62%

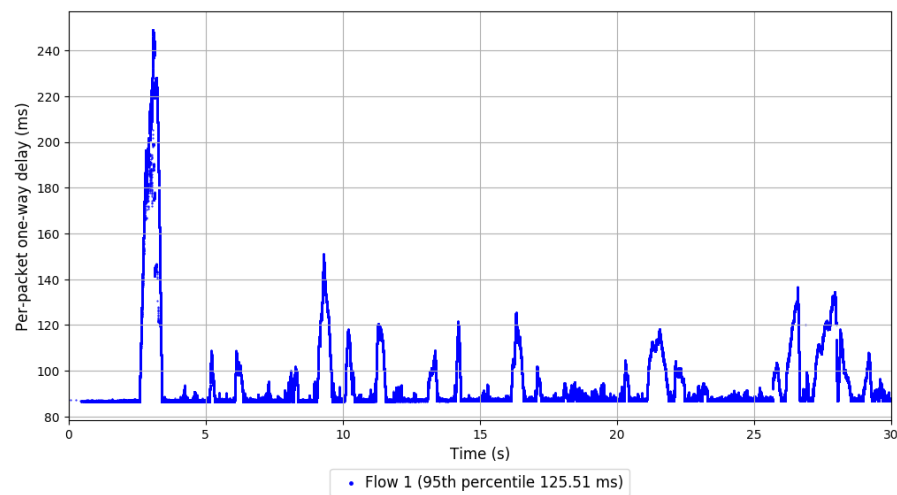
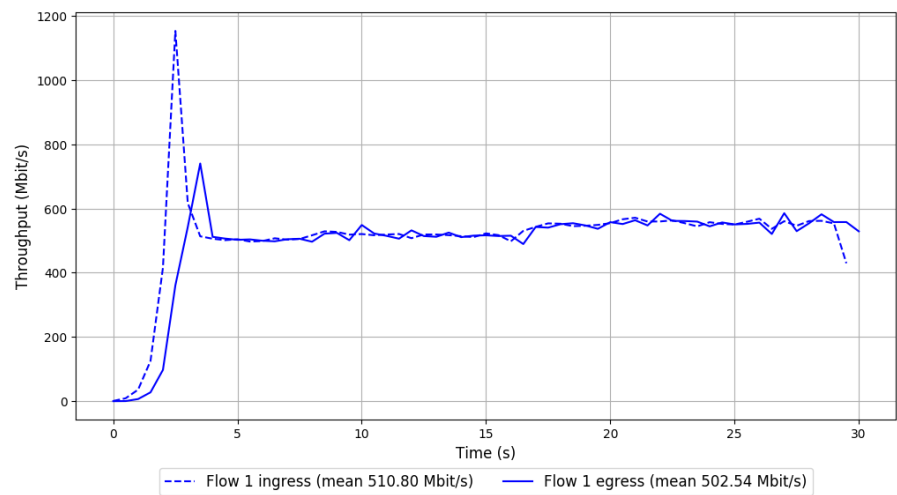
-- Flow 1:

Average throughput: 502.54 Mbit/s

95th percentile per-packet one-way delay: 125.509 ms

Loss rate: 1.62%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-01 00:17:23

End at: 2018-08-01 00:17:53

Local clock offset: 15.412 ms

Remote clock offset: 0.413 ms

Below is generated by plot.py at 2018-08-01 03:57:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 544.00 Mbit/s

95th percentile per-packet one-way delay: 175.402 ms

Loss rate: 1.68%

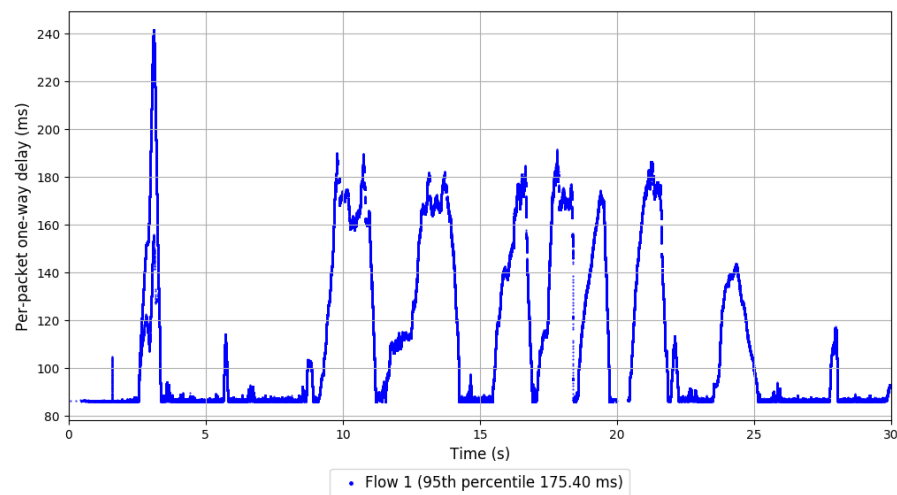
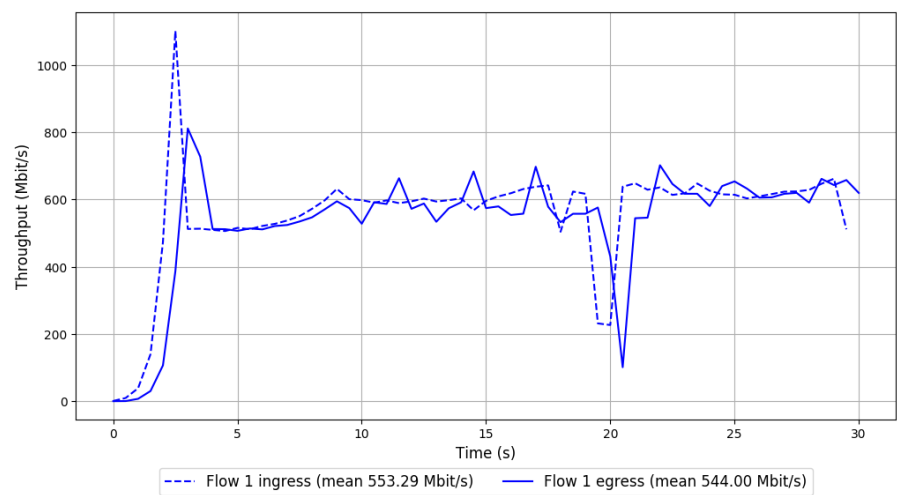
-- Flow 1:

Average throughput: 544.00 Mbit/s

95th percentile per-packet one-way delay: 175.402 ms

Loss rate: 1.68%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-01 00:40:10

End at: 2018-08-01 00:40:40

Local clock offset: 12.404 ms

Remote clock offset: 0.6 ms

Below is generated by plot.py at 2018-08-01 03:58:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 514.78 Mbit/s

95th percentile per-packet one-way delay: 127.213 ms

Loss rate: 1.06%

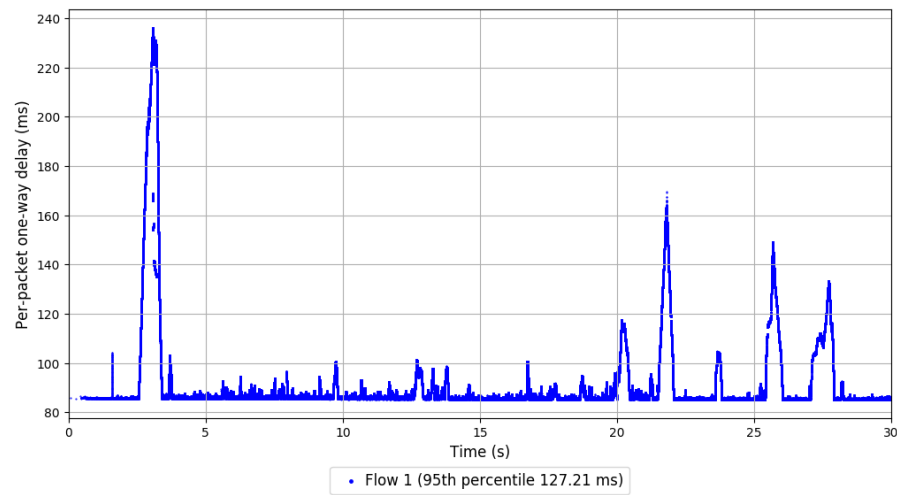
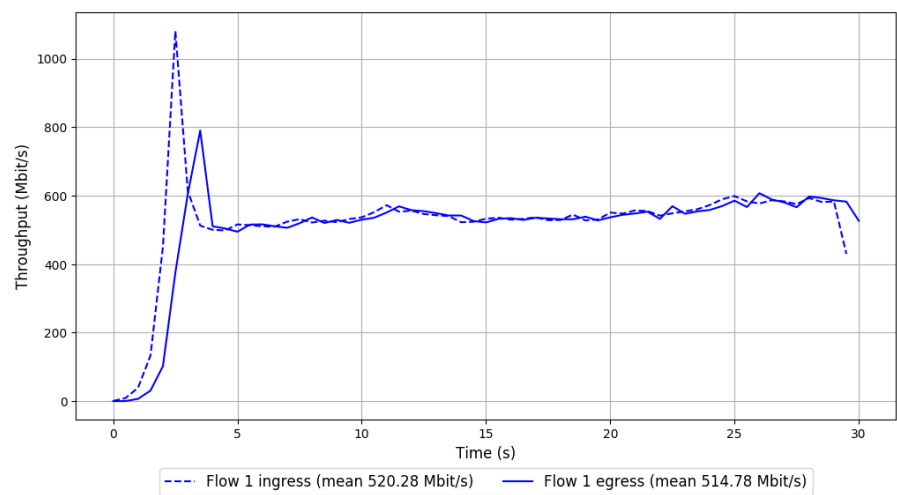
-- Flow 1:

Average throughput: 514.78 Mbit/s

95th percentile per-packet one-way delay: 127.213 ms

Loss rate: 1.06%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-01 01:02:58

End at: 2018-08-01 01:03:28

Local clock offset: 8.892 ms

Remote clock offset: 0.737 ms

Below is generated by plot.py at 2018-08-01 03:59:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 541.07 Mbit/s

95th percentile per-packet one-way delay: 170.038 ms

Loss rate: 2.03%

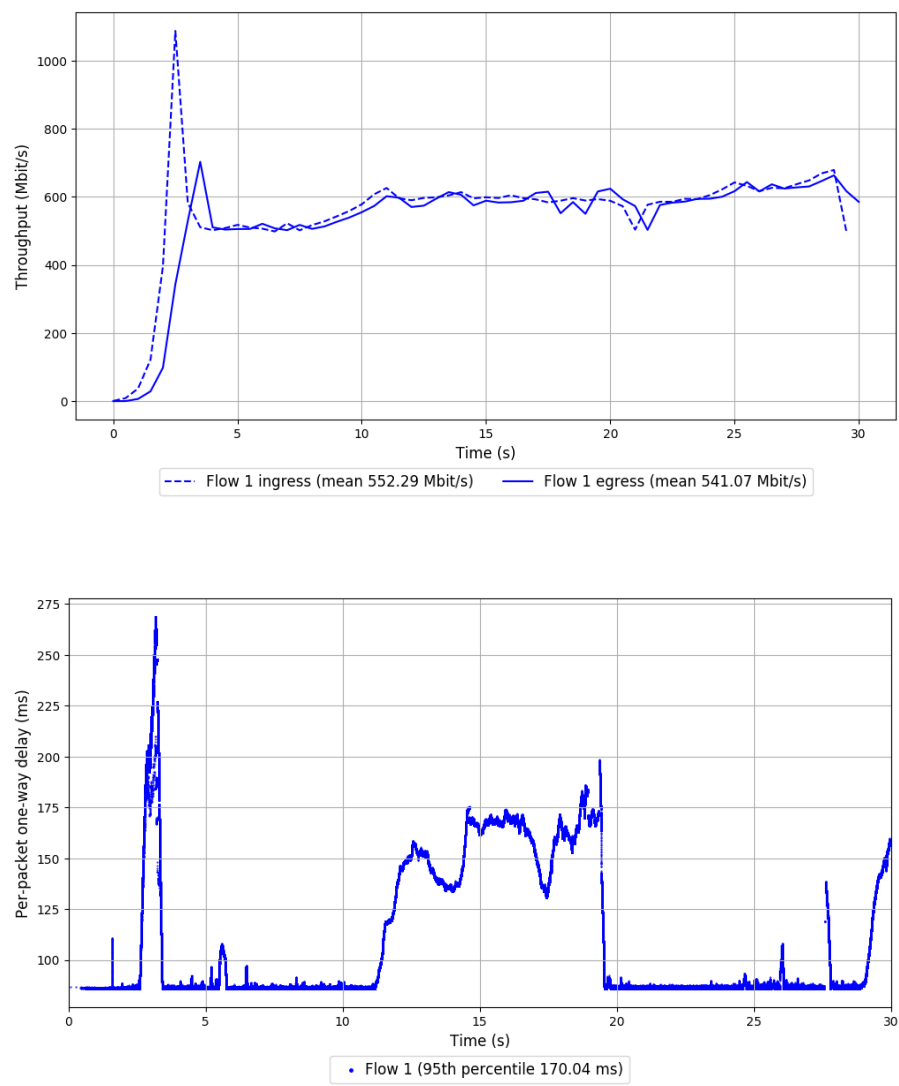
-- Flow 1:

Average throughput: 541.07 Mbit/s

95th percentile per-packet one-way delay: 170.038 ms

Loss rate: 2.03%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-08-01 01:25:26

End at: 2018-08-01 01:25:56

Local clock offset: 3.507 ms

Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-08-01 04:00:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 517.69 Mbit/s

95th percentile per-packet one-way delay: 151.720 ms

Loss rate: 1.09%

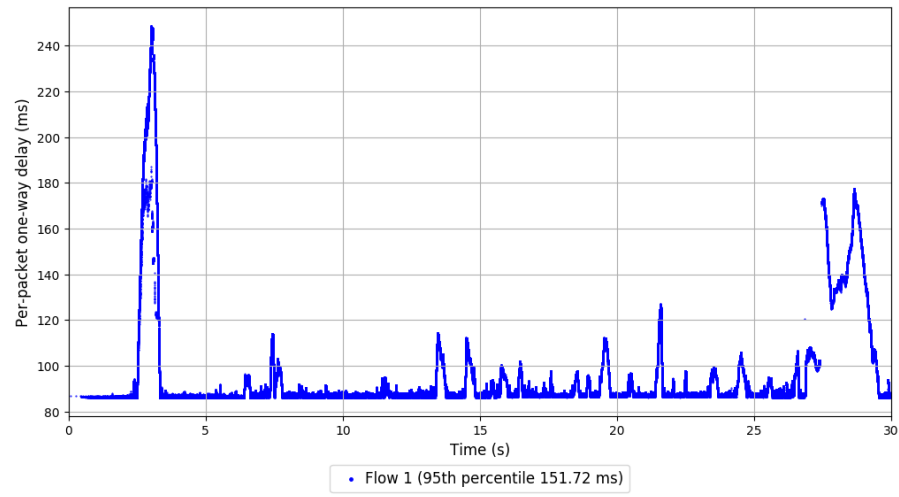
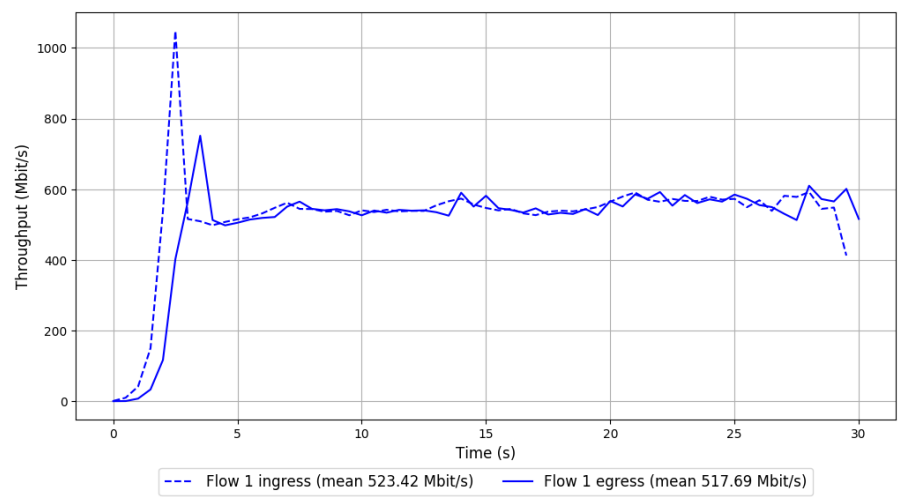
-- Flow 1:

Average throughput: 517.69 Mbit/s

95th percentile per-packet one-way delay: 151.720 ms

Loss rate: 1.09%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-01 01:47:53

End at: 2018-08-01 01:48:23

Local clock offset: 2.767 ms

Remote clock offset: -0.147 ms

Below is generated by plot.py at 2018-08-01 04:01:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 519.86 Mbit/s

95th percentile per-packet one-way delay: 119.846 ms

Loss rate: 1.60%

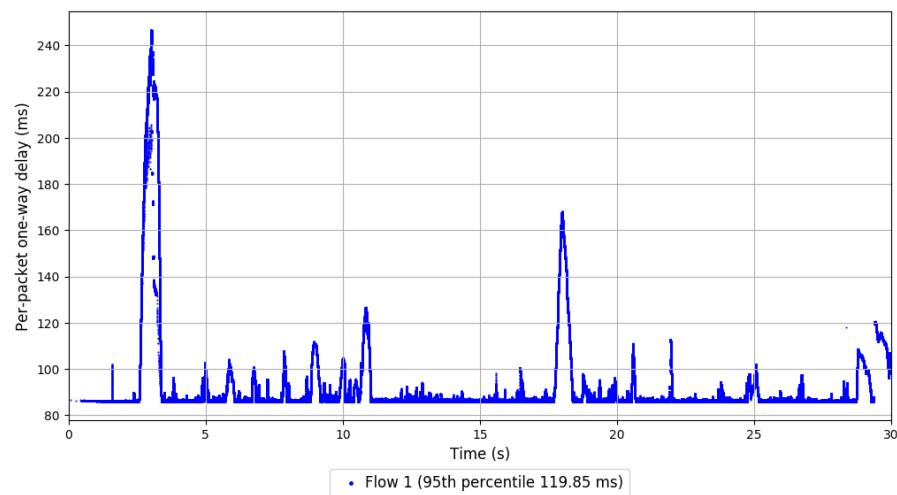
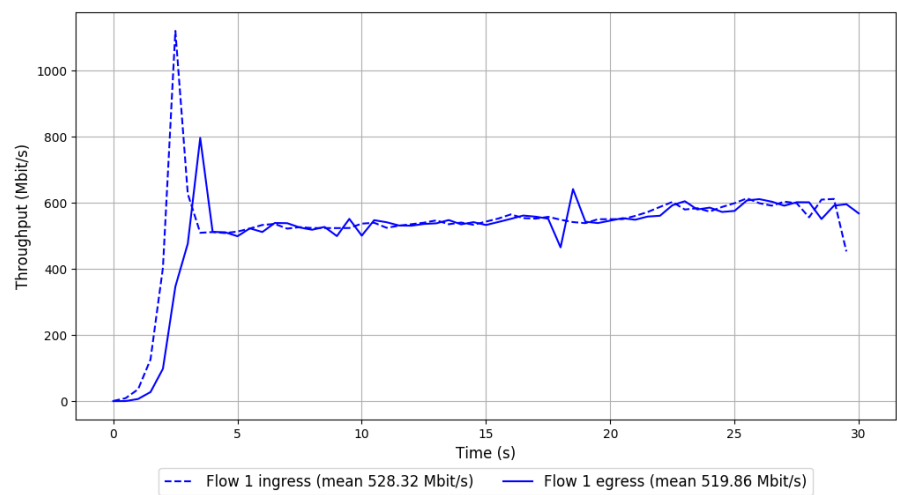
-- Flow 1:

Average throughput: 519.86 Mbit/s

95th percentile per-packet one-way delay: 119.846 ms

Loss rate: 1.60%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-01 02:10:16

End at: 2018-08-01 02:10:46

Local clock offset: 1.018 ms

Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-08-01 04:03:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 503.43 Mbit/s

95th percentile per-packet one-way delay: 153.110 ms

Loss rate: 0.13%

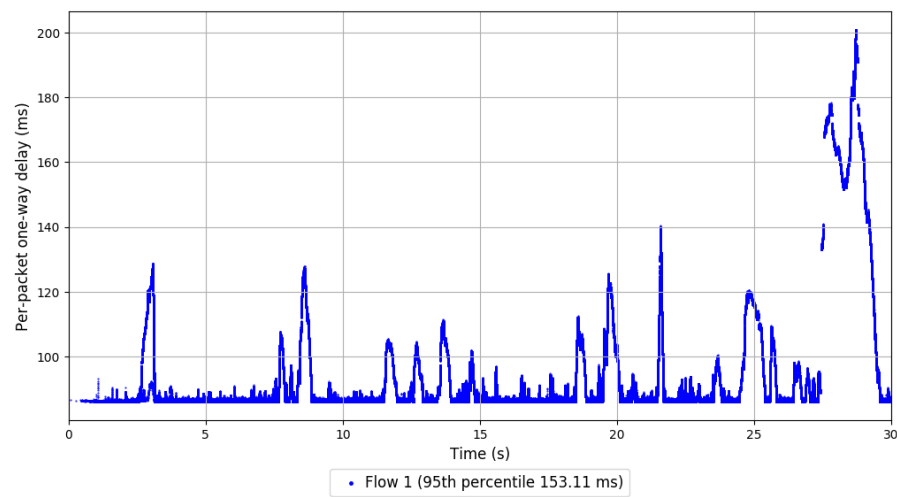
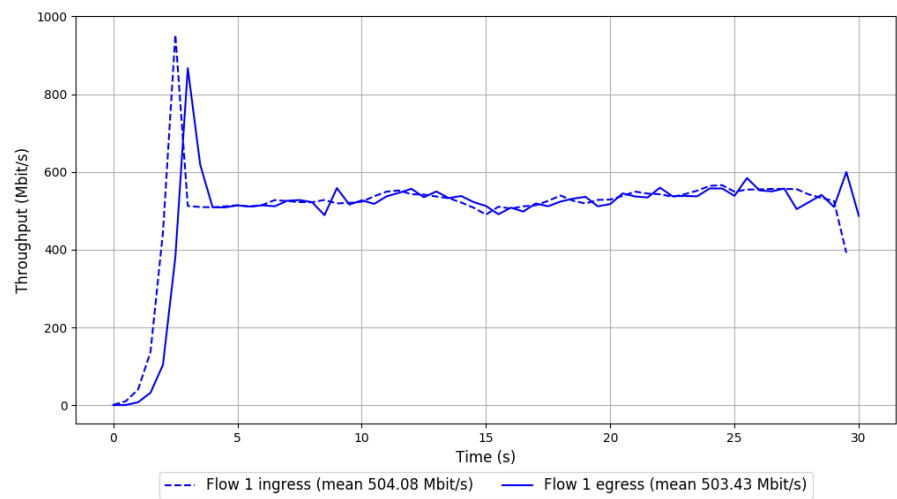
-- Flow 1:

Average throughput: 503.43 Mbit/s

95th percentile per-packet one-way delay: 153.110 ms

Loss rate: 0.13%

Run 9: Report of PCC-Allegro — Data Link

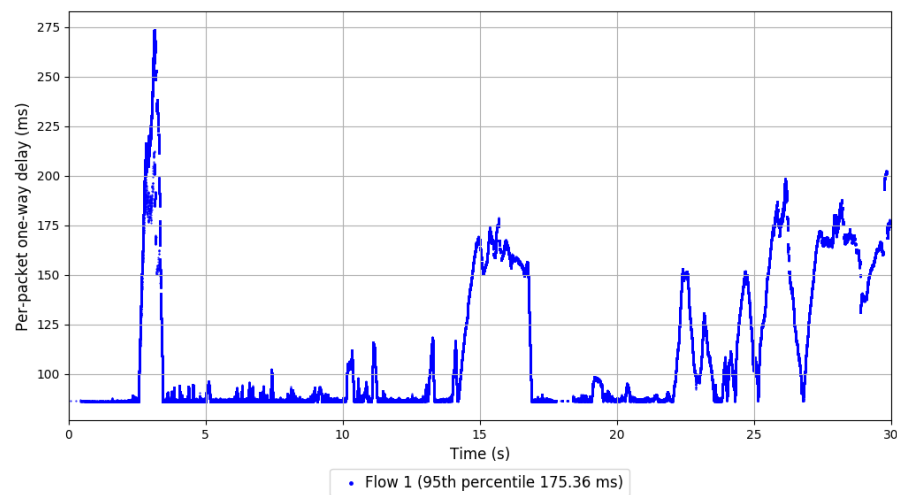
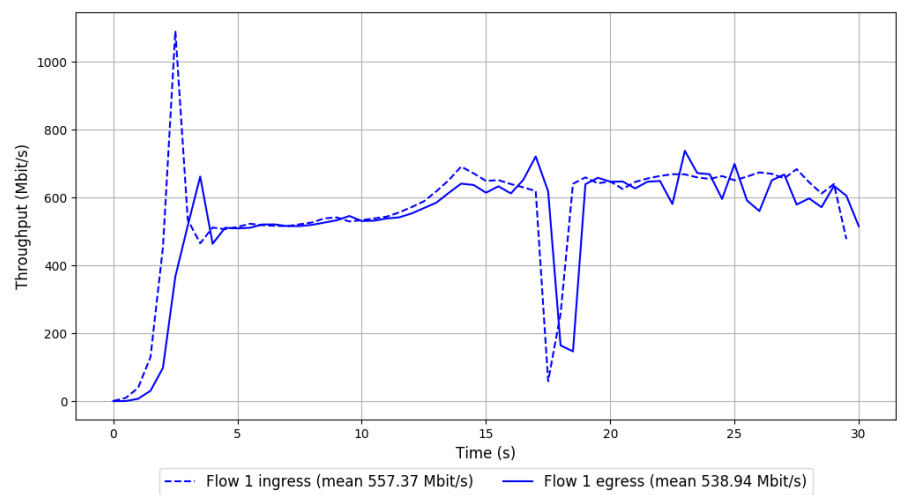


Run 10: Statistics of PCC-Allegro

Start at: 2018-08-01 02:32:44
End at: 2018-08-01 02:33:14
Local clock offset: 0.362 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-08-01 04:05:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 538.94 Mbit/s
95th percentile per-packet one-way delay: 175.357 ms
Loss rate: 3.30%
-- Flow 1:
Average throughput: 538.94 Mbit/s
95th percentile per-packet one-way delay: 175.357 ms
Loss rate: 3.30%

Run 10: Report of PCC-Allegro — Data Link

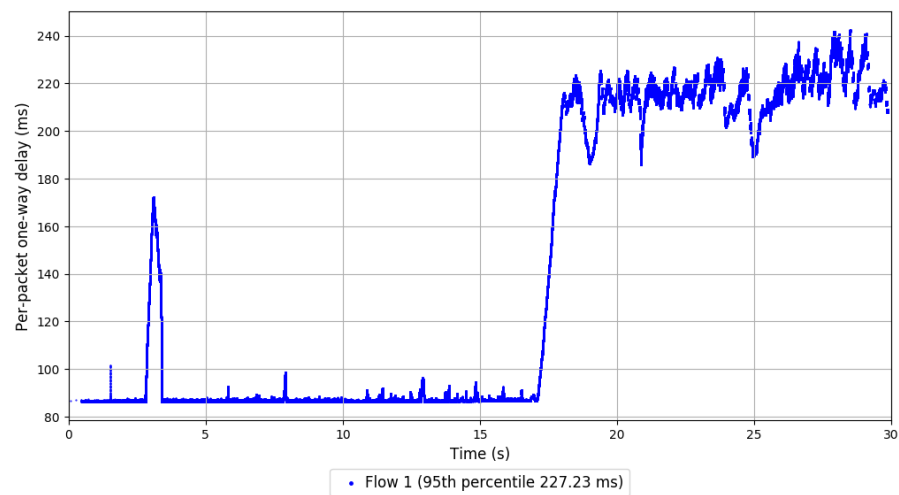
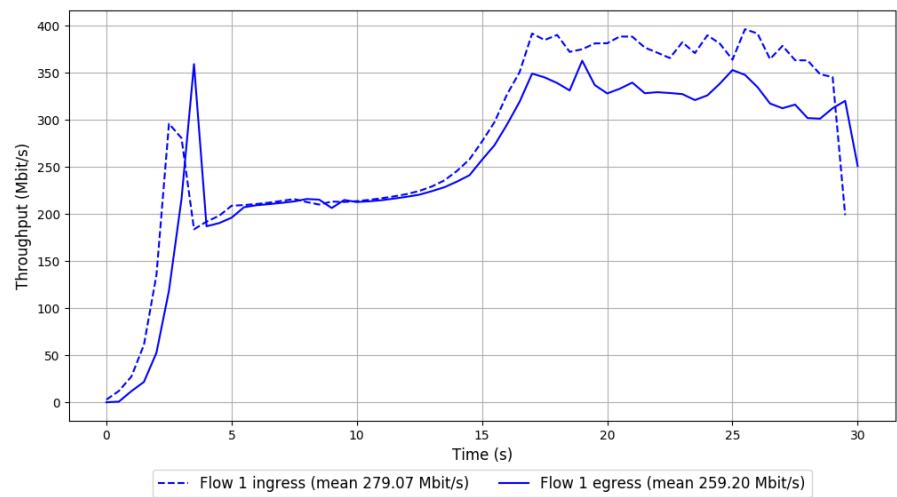


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-31 23:04:13
End at: 2018-07-31 23:04:43
Local clock offset: 9.838 ms
Remote clock offset: -0.003 ms

# Below is generated by plot.py at 2018-08-01 04:05:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 259.20 Mbit/s
95th percentile per-packet one-way delay: 227.226 ms
Loss rate: 7.12%
-- Flow 1:
Average throughput: 259.20 Mbit/s
95th percentile per-packet one-way delay: 227.226 ms
Loss rate: 7.12%
```


Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-07-31 23:26:29

End at: 2018-07-31 23:26:59

Local clock offset: 27.266 ms

Remote clock offset: 0.112 ms

Below is generated by plot.py at 2018-08-01 04:06:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 299.65 Mbit/s

95th percentile per-packet one-way delay: 199.311 ms

Loss rate: 1.20%

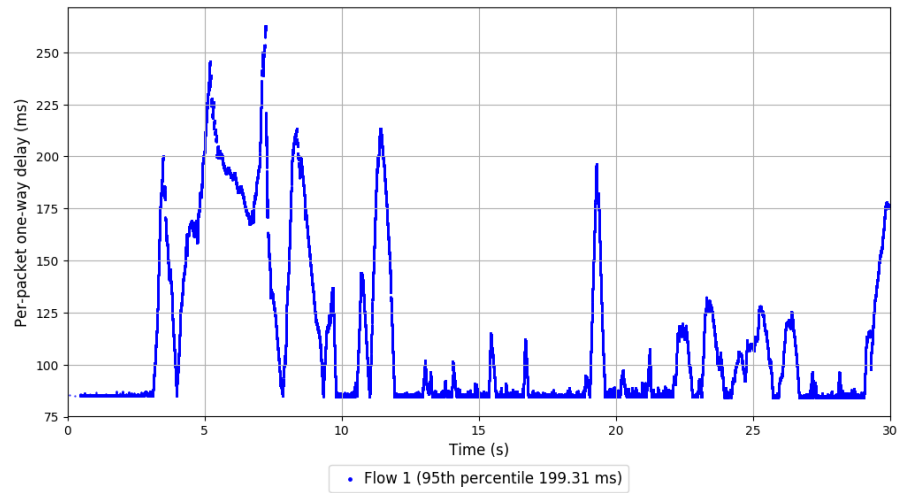
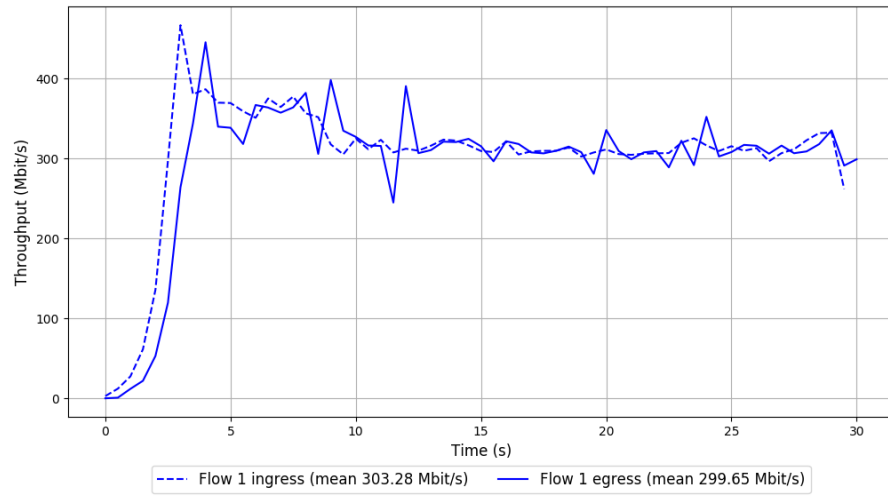
-- Flow 1:

Average throughput: 299.65 Mbit/s

95th percentile per-packet one-way delay: 199.311 ms

Loss rate: 1.20%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-31 23:48:53

End at: 2018-07-31 23:49:23

Local clock offset: 28.369 ms

Remote clock offset: 0.151 ms

Below is generated by plot.py at 2018-08-01 04:06:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.51 Mbit/s

95th percentile per-packet one-way delay: 216.080 ms

Loss rate: 2.68%

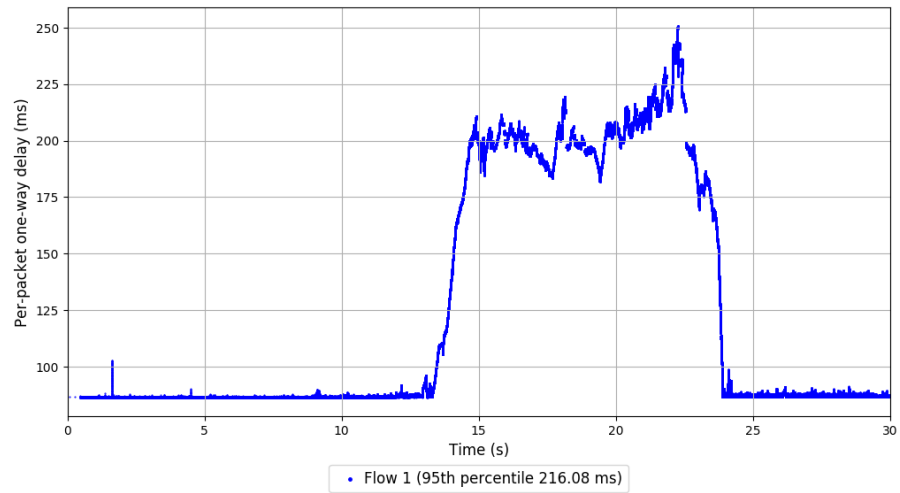
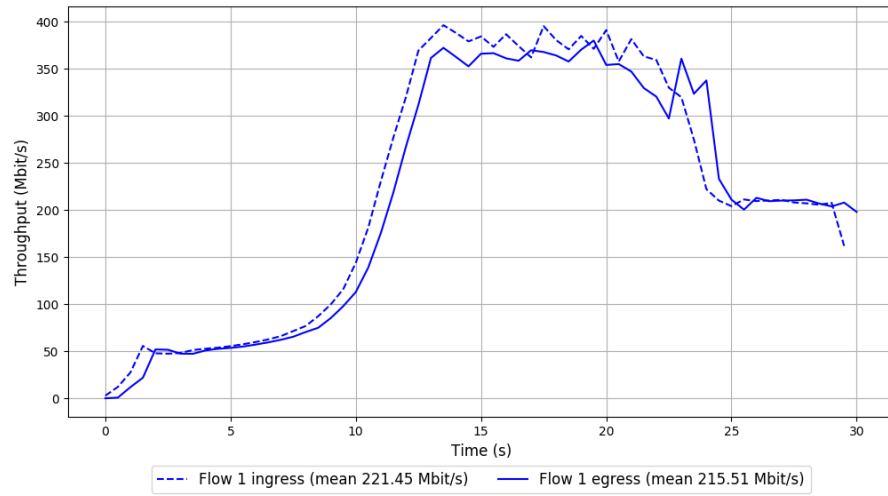
-- Flow 1:

Average throughput: 215.51 Mbit/s

95th percentile per-packet one-way delay: 216.080 ms

Loss rate: 2.68%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-08-01 00:11:43

End at: 2018-08-01 00:12:13

Local clock offset: 17.486 ms

Remote clock offset: 0.319 ms

Below is generated by plot.py at 2018-08-01 04:08:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 278.95 Mbit/s

95th percentile per-packet one-way delay: 224.644 ms

Loss rate: 14.87%

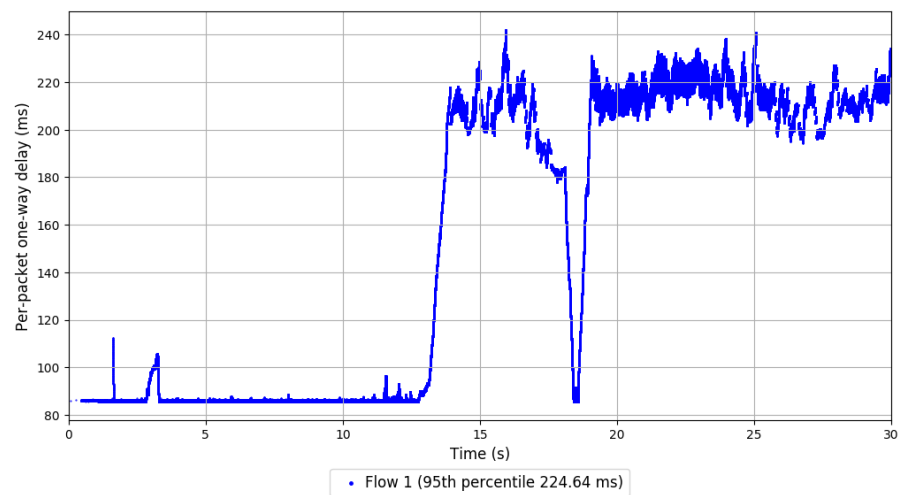
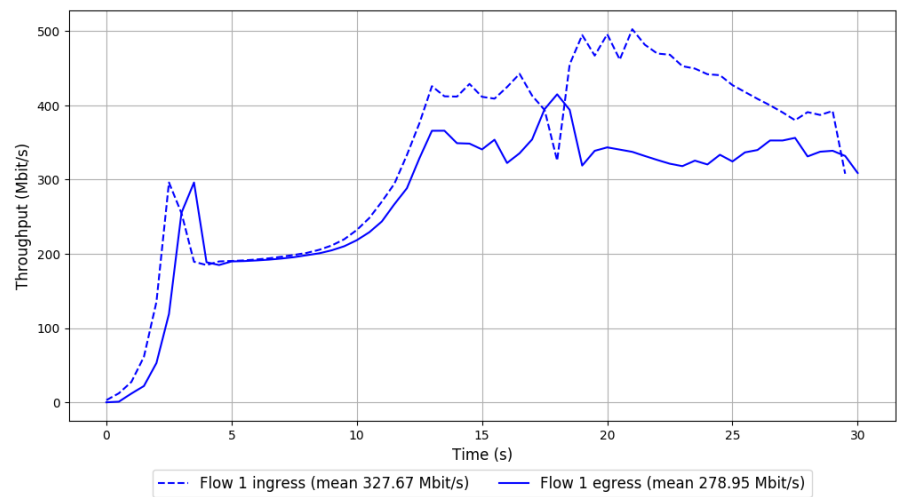
-- Flow 1:

Average throughput: 278.95 Mbit/s

95th percentile per-packet one-way delay: 224.644 ms

Loss rate: 14.87%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-08-01 00:34:30

End at: 2018-08-01 00:35:00

Local clock offset: 20.238 ms

Remote clock offset: 0.538 ms

Below is generated by plot.py at 2018-08-01 04:11:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 311.53 Mbit/s

95th percentile per-packet one-way delay: 135.121 ms

Loss rate: 0.17%

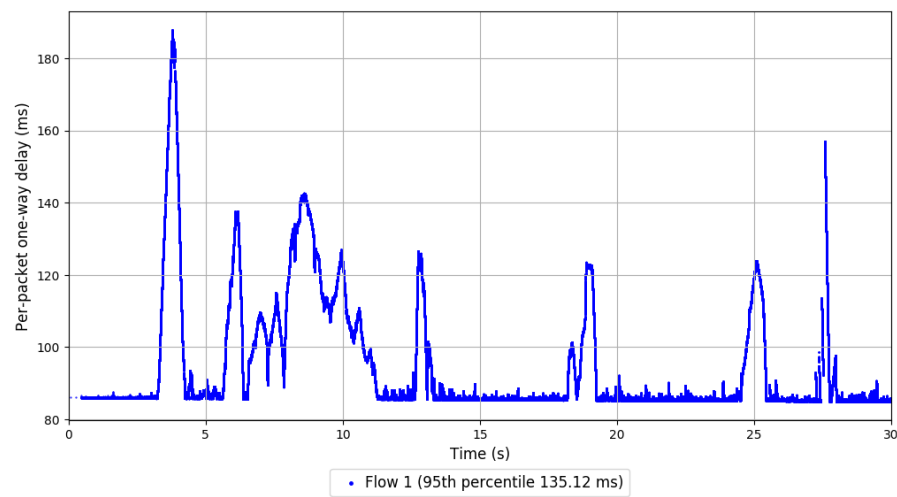
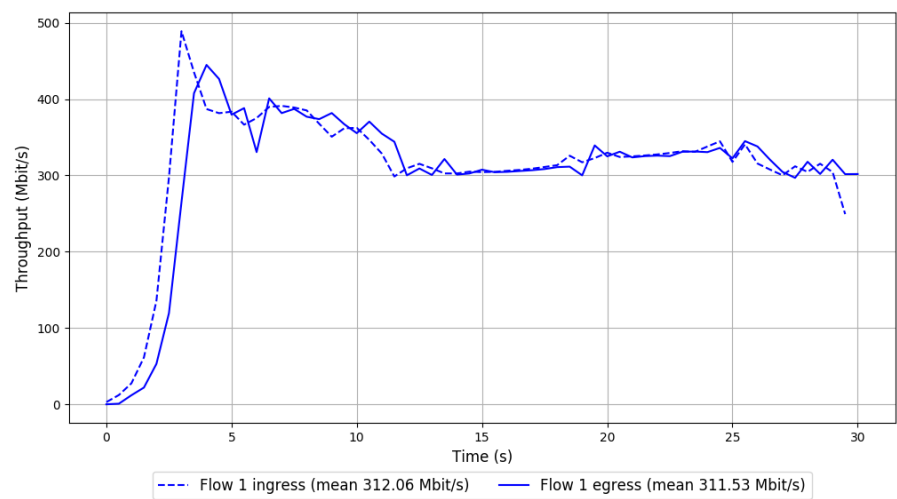
-- Flow 1:

Average throughput: 311.53 Mbit/s

95th percentile per-packet one-way delay: 135.121 ms

Loss rate: 0.17%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-08-01 00:57:15

End at: 2018-08-01 00:57:46

Local clock offset: 8.063 ms

Remote clock offset: 0.7 ms

Below is generated by plot.py at 2018-08-01 04:12:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 299.69 Mbit/s

95th percentile per-packet one-way delay: 230.096 ms

Loss rate: 6.70%

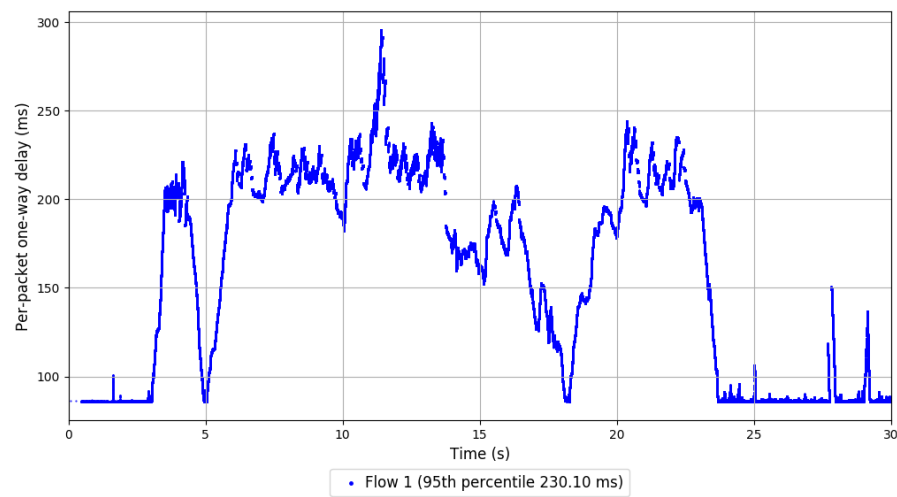
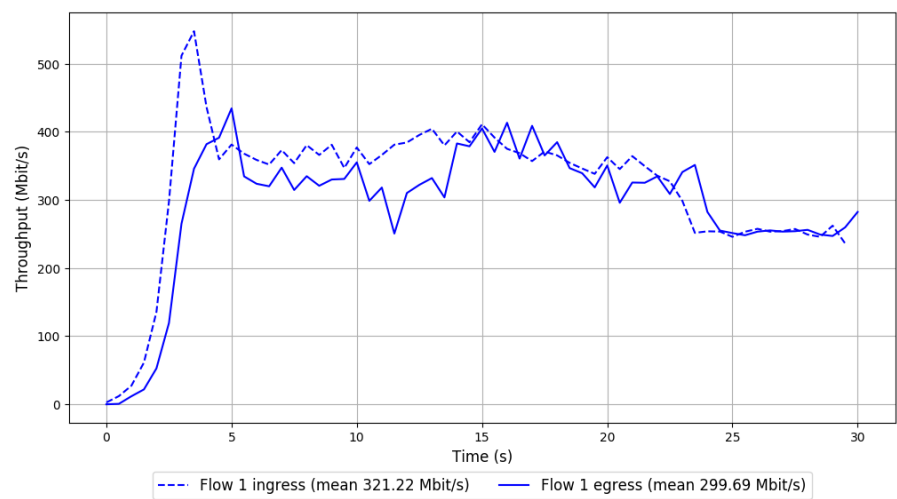
-- Flow 1:

Average throughput: 299.69 Mbit/s

95th percentile per-packet one-way delay: 230.096 ms

Loss rate: 6.70%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-08-01 01:20:02

End at: 2018-08-01 01:20:32

Local clock offset: 4.265 ms

Remote clock offset: 0.109 ms

Below is generated by plot.py at 2018-08-01 04:12:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.97 Mbit/s

95th percentile per-packet one-way delay: 108.897 ms

Loss rate: 0.00%

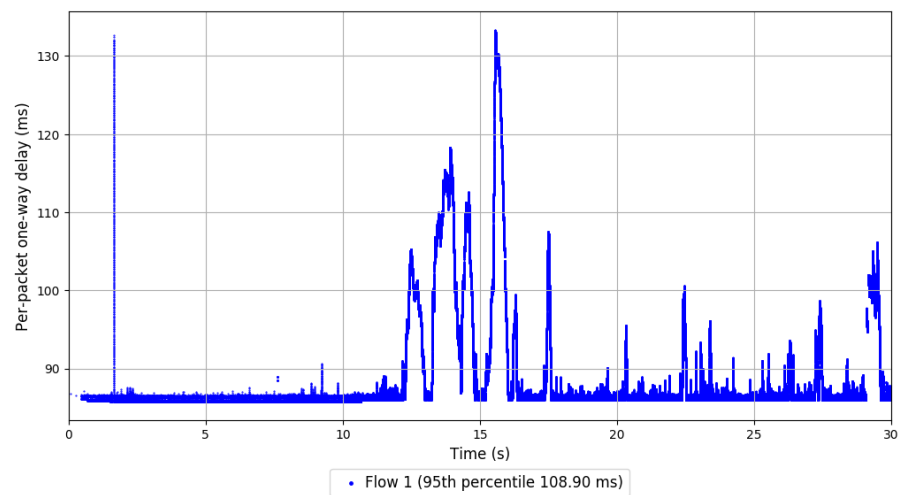
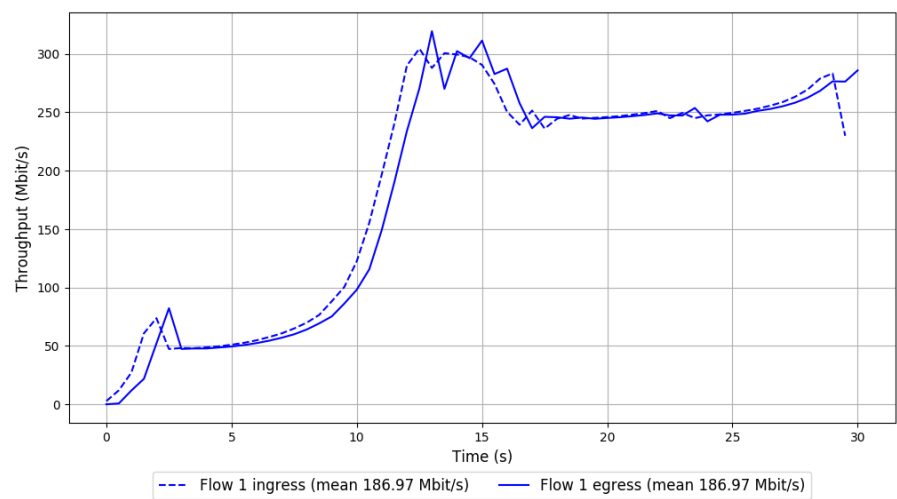
-- Flow 1:

Average throughput: 186.97 Mbit/s

95th percentile per-packet one-way delay: 108.897 ms

Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link

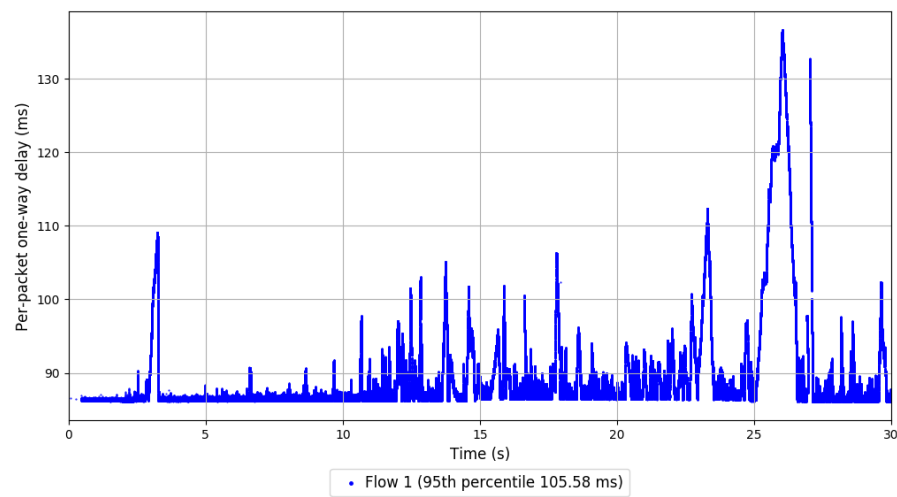
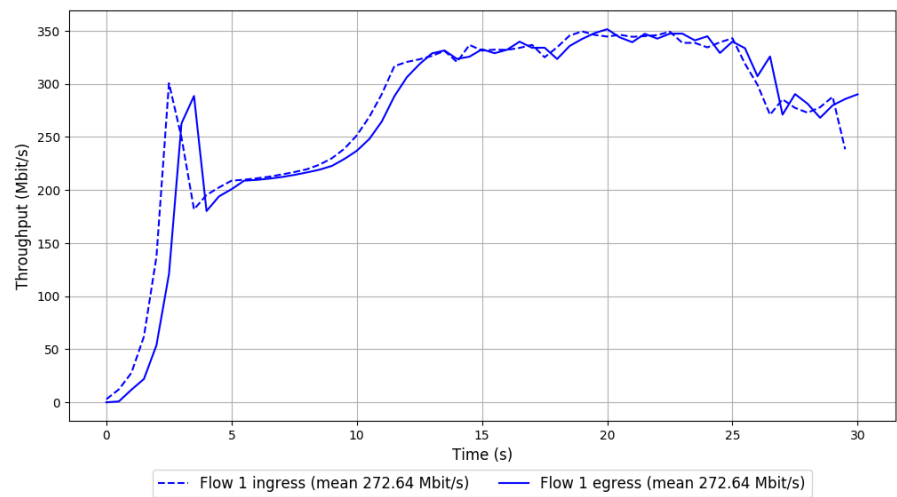


Run 8: Statistics of PCC-Expr

Start at: 2018-08-01 01:42:17
End at: 2018-08-01 01:42:47
Local clock offset: 4.493 ms
Remote clock offset: -0.245 ms

Below is generated by plot.py at 2018-08-01 04:14:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 272.64 Mbit/s
95th percentile per-packet one-way delay: 105.583 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 272.64 Mbit/s
95th percentile per-packet one-way delay: 105.583 ms
Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link

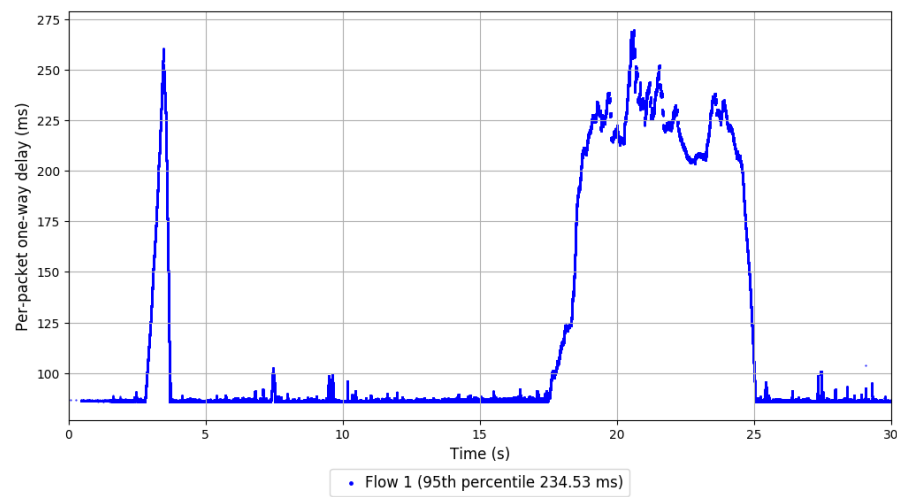
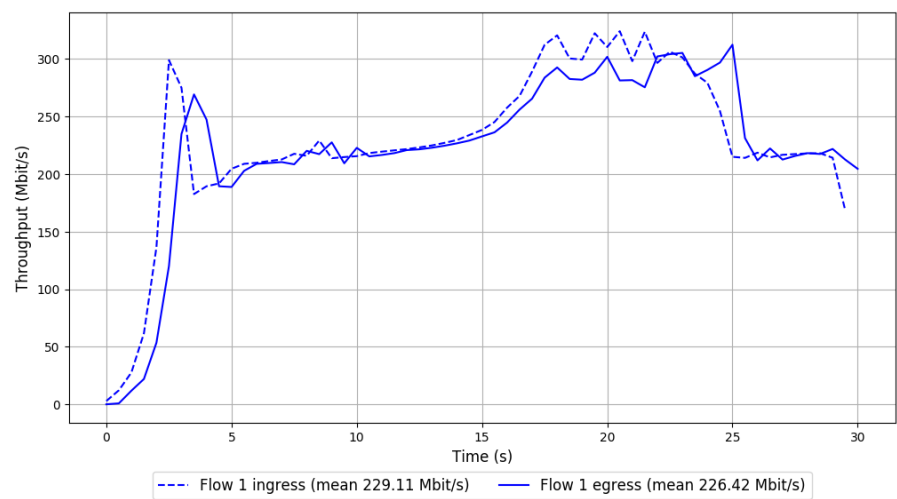


Run 9: Statistics of PCC-Expr

Start at: 2018-08-01 02:04:48
End at: 2018-08-01 02:05:18
Local clock offset: 1.064 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-08-01 04:14:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 226.42 Mbit/s
95th percentile per-packet one-way delay: 234.530 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 226.42 Mbit/s
95th percentile per-packet one-way delay: 234.530 ms
Loss rate: 1.18%

Run 9: Report of PCC-Expr — Data Link

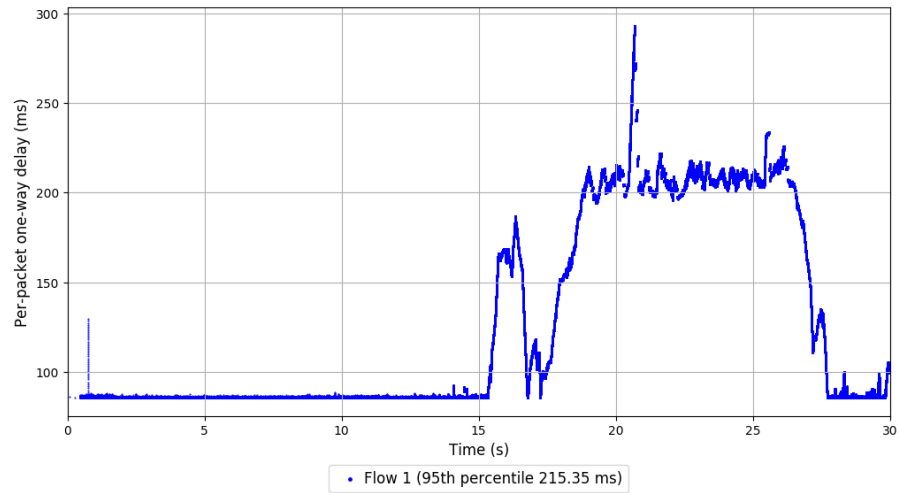
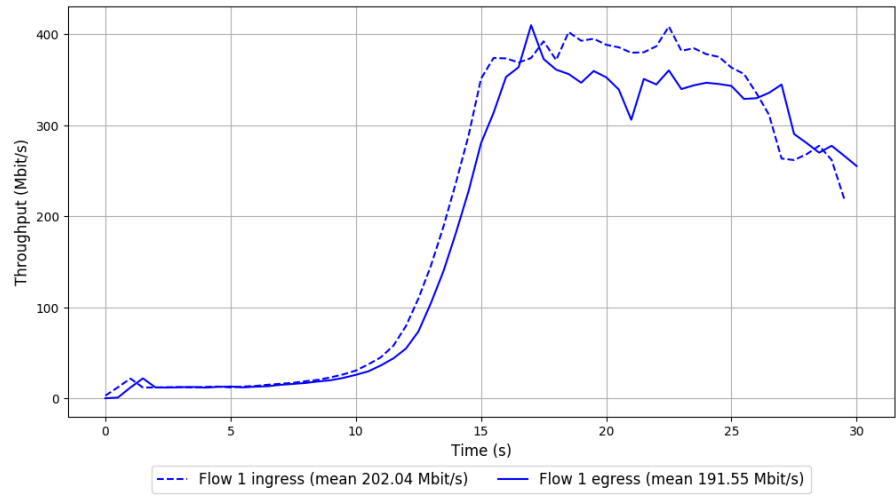


Run 10: Statistics of PCC-Expr

Start at: 2018-08-01 02:27:11
End at: 2018-08-01 02:27:41
Local clock offset: 0.778 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-08-01 04:14:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 191.55 Mbit/s
95th percentile per-packet one-way delay: 215.346 ms
Loss rate: 5.19%
-- Flow 1:
Average throughput: 191.55 Mbit/s
95th percentile per-packet one-way delay: 215.346 ms
Loss rate: 5.19%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

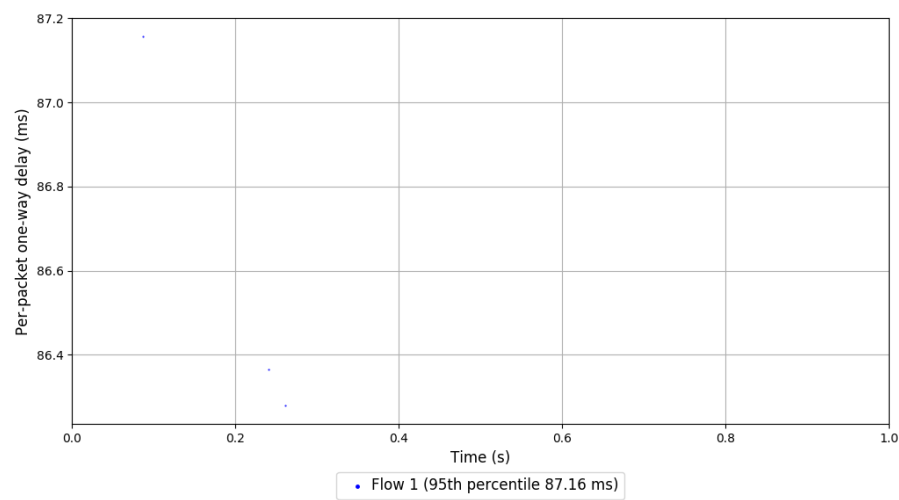
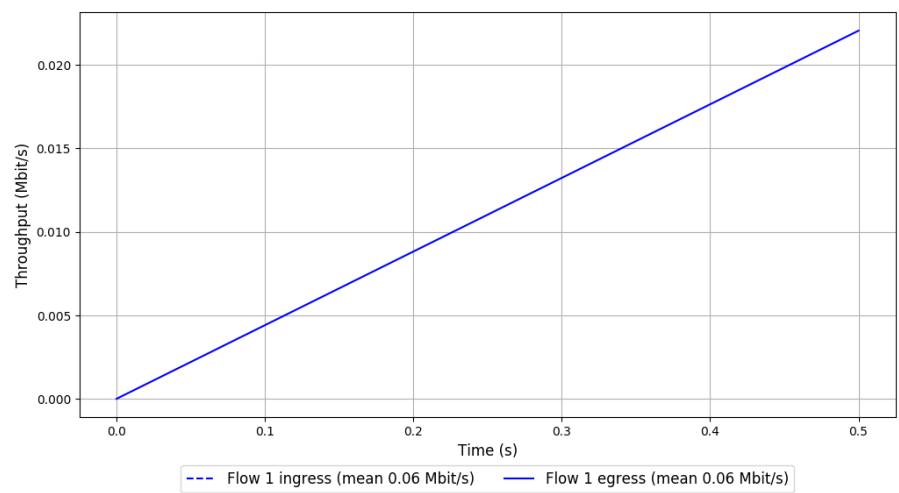
Start at: 2018-07-31 23:12:41

End at: 2018-07-31 23:13:11

Local clock offset: 13.68 ms

Remote clock offset: 0.043 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-31 23:35:01

End at: 2018-07-31 23:35:31

Local clock offset: 20.101 ms

Remote clock offset: 0.099 ms

Below is generated by plot.py at 2018-08-01 04:14:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.36 Mbit/s

95th percentile per-packet one-way delay: 86.228 ms

Loss rate: 0.00%

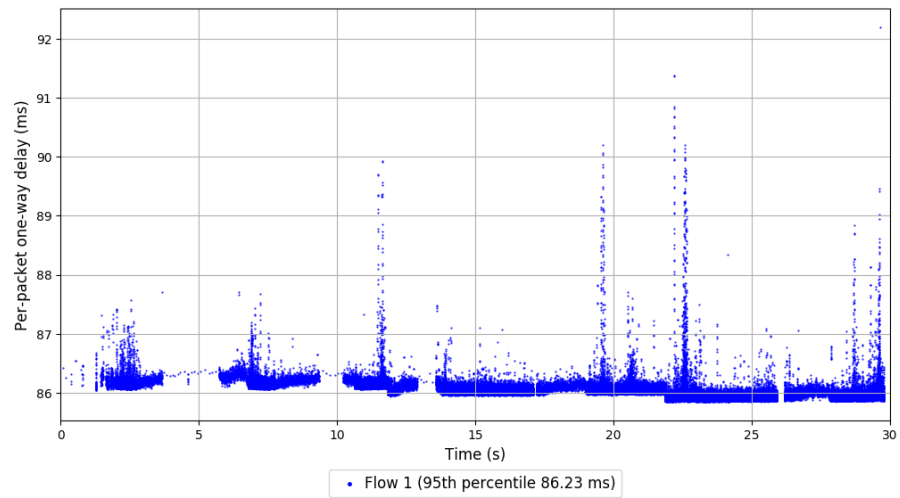
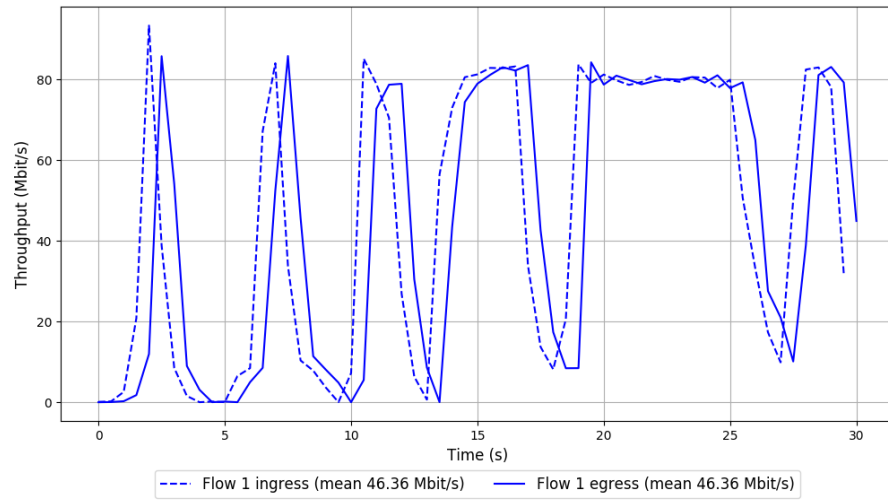
-- Flow 1:

Average throughput: 46.36 Mbit/s

95th percentile per-packet one-way delay: 86.228 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-31 23:57:38

End at: 2018-07-31 23:58:08

Local clock offset: 37.066 ms

Remote clock offset: 0.269 ms

Below is generated by plot.py at 2018-08-01 04:14:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.78 Mbit/s

95th percentile per-packet one-way delay: 87.352 ms

Loss rate: 0.00%

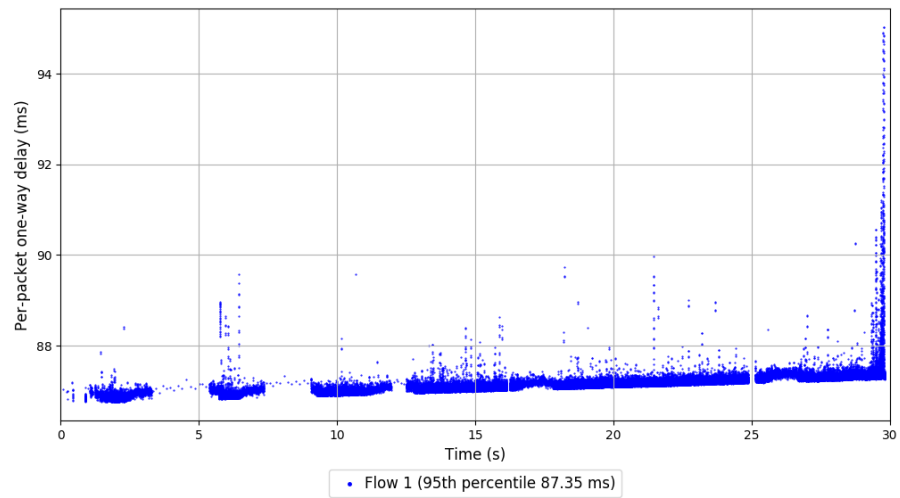
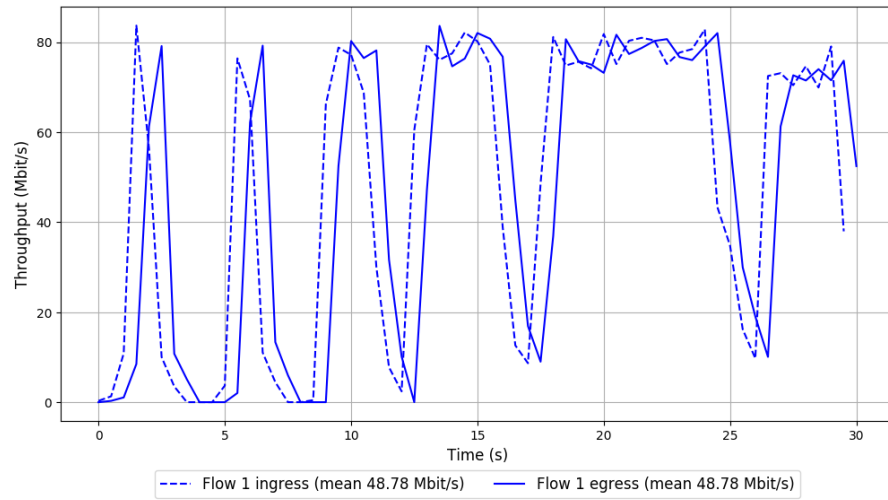
-- Flow 1:

Average throughput: 48.78 Mbit/s

95th percentile per-packet one-way delay: 87.352 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-08-01 00:20:27

End at: 2018-08-01 00:20:57

Local clock offset: 15.661 ms

Remote clock offset: 0.486 ms

Below is generated by plot.py at 2018-08-01 04:14:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.71 Mbit/s

95th percentile per-packet one-way delay: 86.100 ms

Loss rate: 0.00%

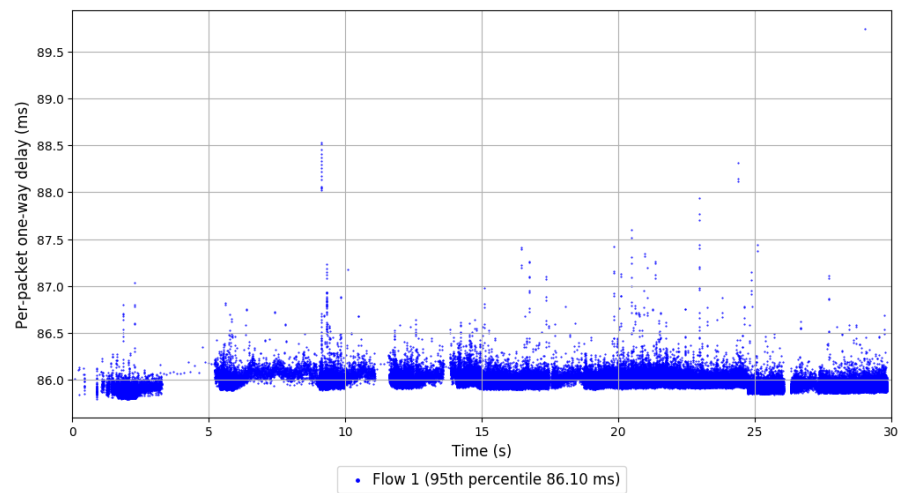
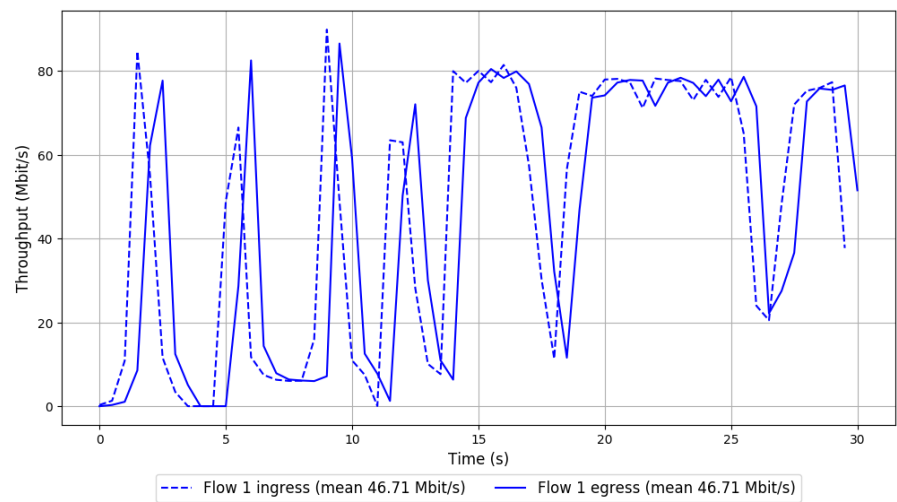
-- Flow 1:

Average throughput: 46.71 Mbit/s

95th percentile per-packet one-way delay: 86.100 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-08-01 00:43:12

End at: 2018-08-01 00:43:42

Local clock offset: 9.984 ms

Remote clock offset: 0.604 ms

Below is generated by plot.py at 2018-08-01 04:14:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.11 Mbit/s

95th percentile per-packet one-way delay: 85.877 ms

Loss rate: 0.00%

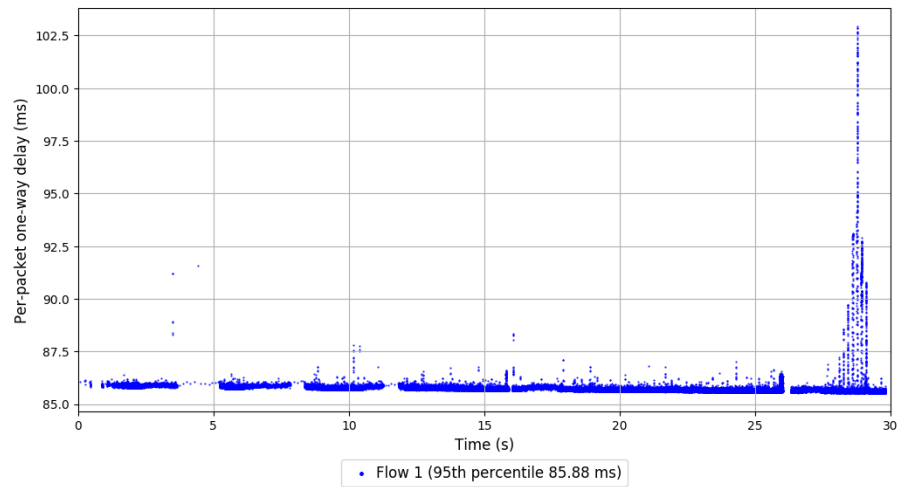
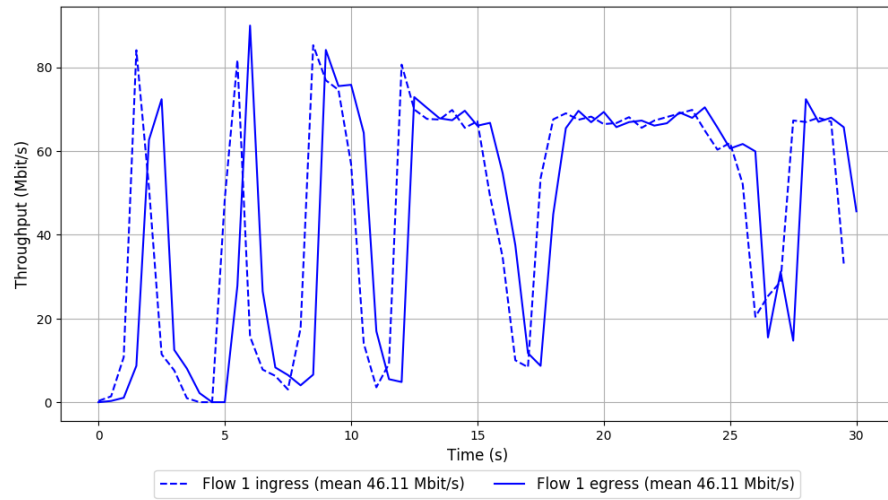
-- Flow 1:

Average throughput: 46.11 Mbit/s

95th percentile per-packet one-way delay: 85.877 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-08-01 01:06:07

End at: 2018-08-01 01:06:37

Local clock offset: 9.524 ms

Remote clock offset: 0.741 ms

Below is generated by plot.py at 2018-08-01 04:14:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.02 Mbit/s

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

Loss rate: 0.00%

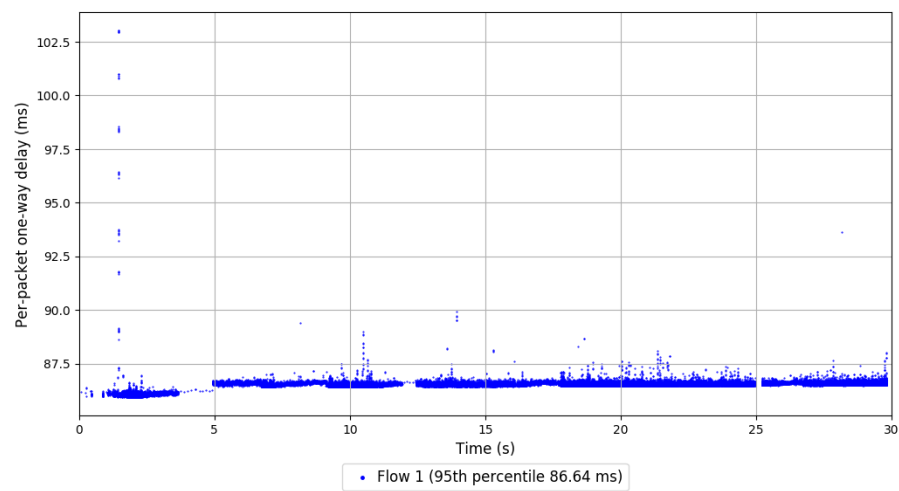
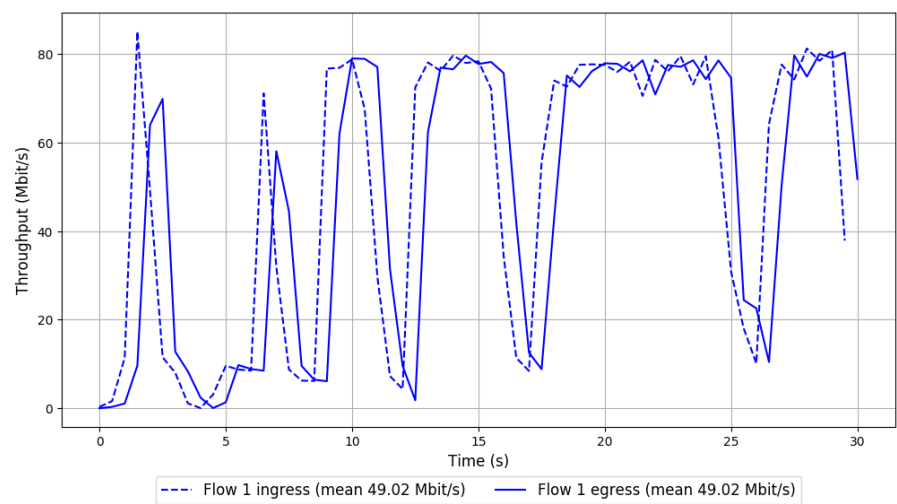
-- Flow 1:

Average throughput: 49.02 Mbit/s

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

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

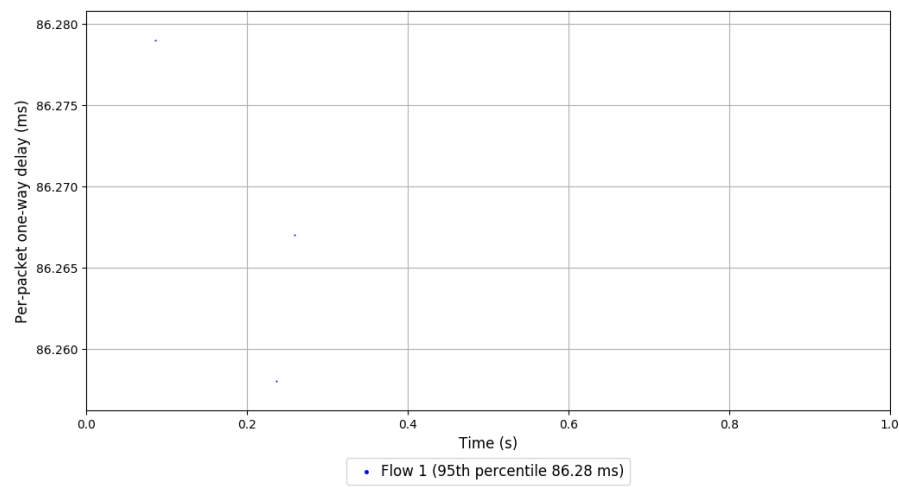
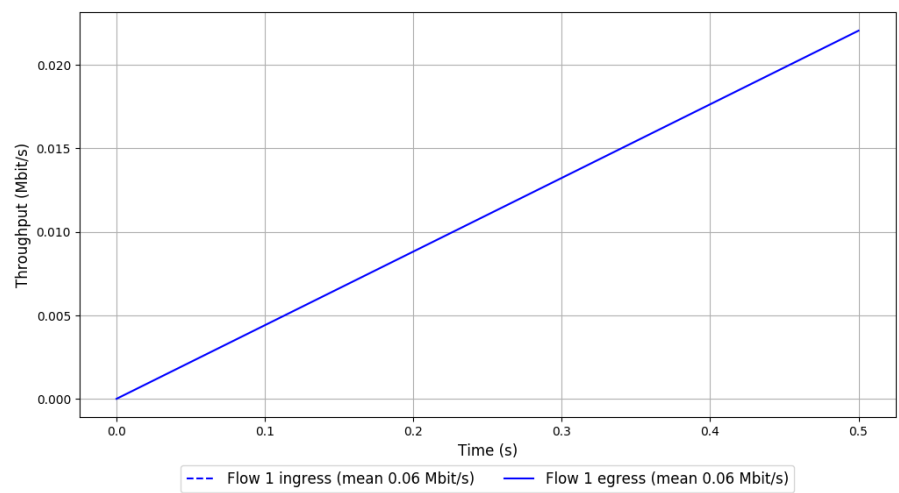
Start at: 2018-08-01 01:28:29

End at: 2018-08-01 01:28:59

Local clock offset: 3.641 ms

Remote clock offset: -0.113 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

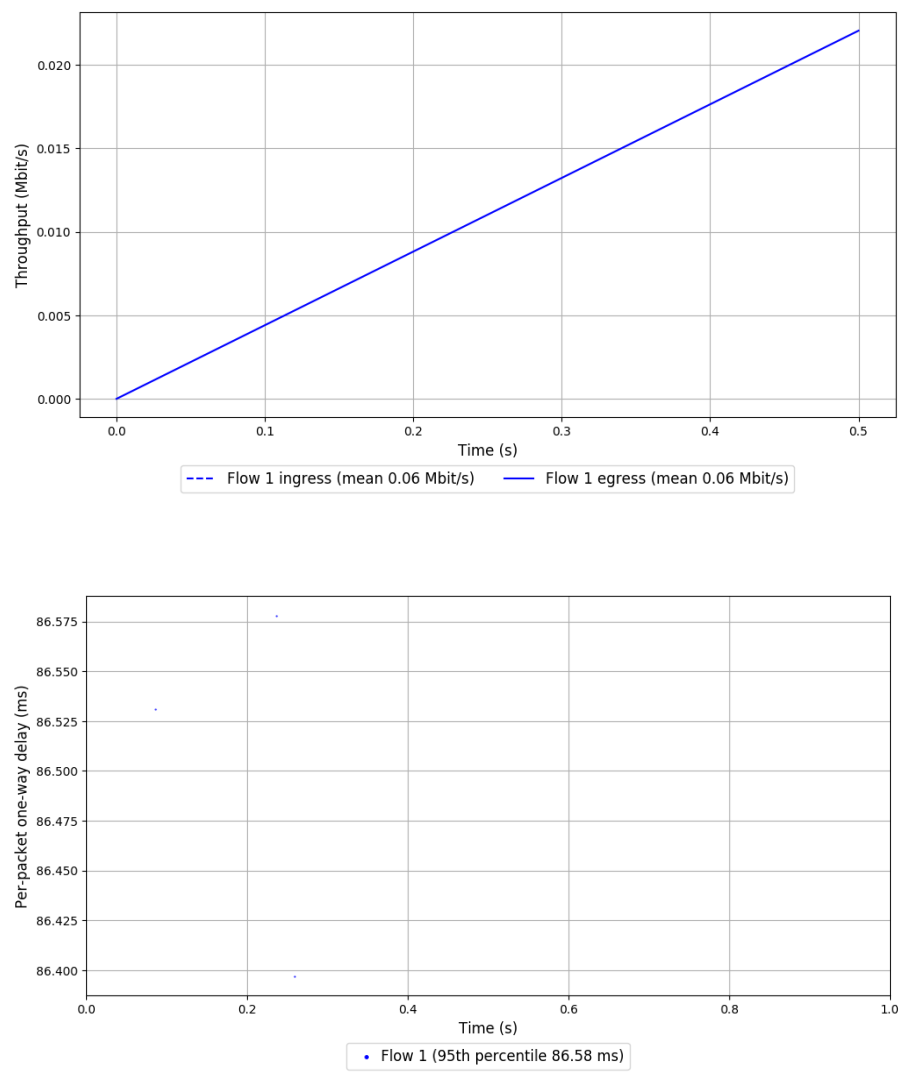
Start at: 2018-08-01 01:50:56

End at: 2018-08-01 01:51:26

Local clock offset: 1.969 ms

Remote clock offset: -0.113 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

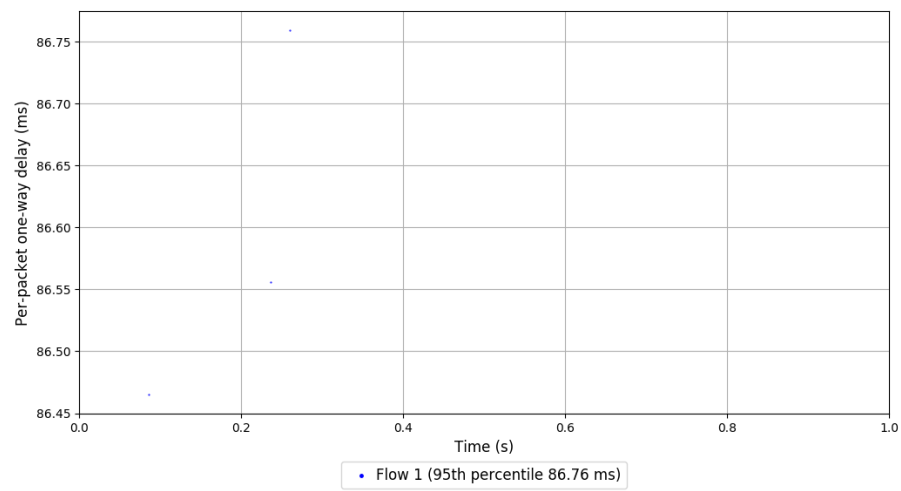
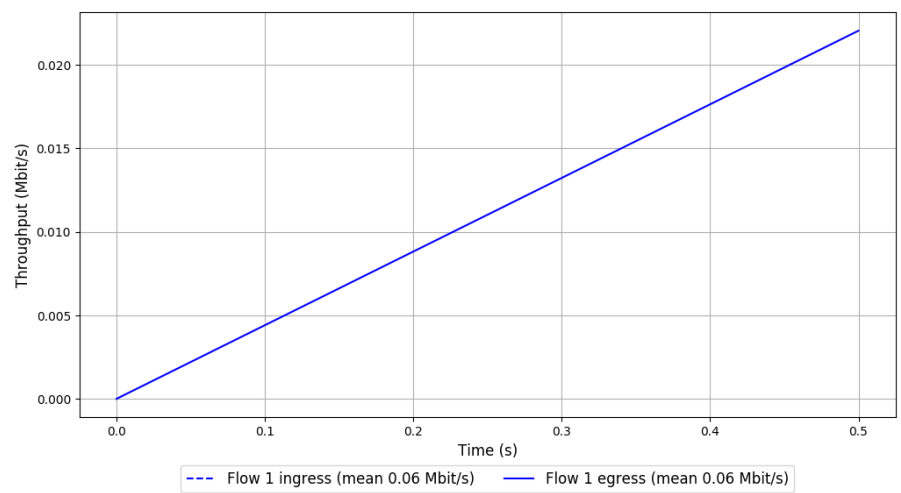
Start at: 2018-08-01 02:13:22

End at: 2018-08-01 02:13:52

Local clock offset: 1.203 ms

Remote clock offset: -0.081 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

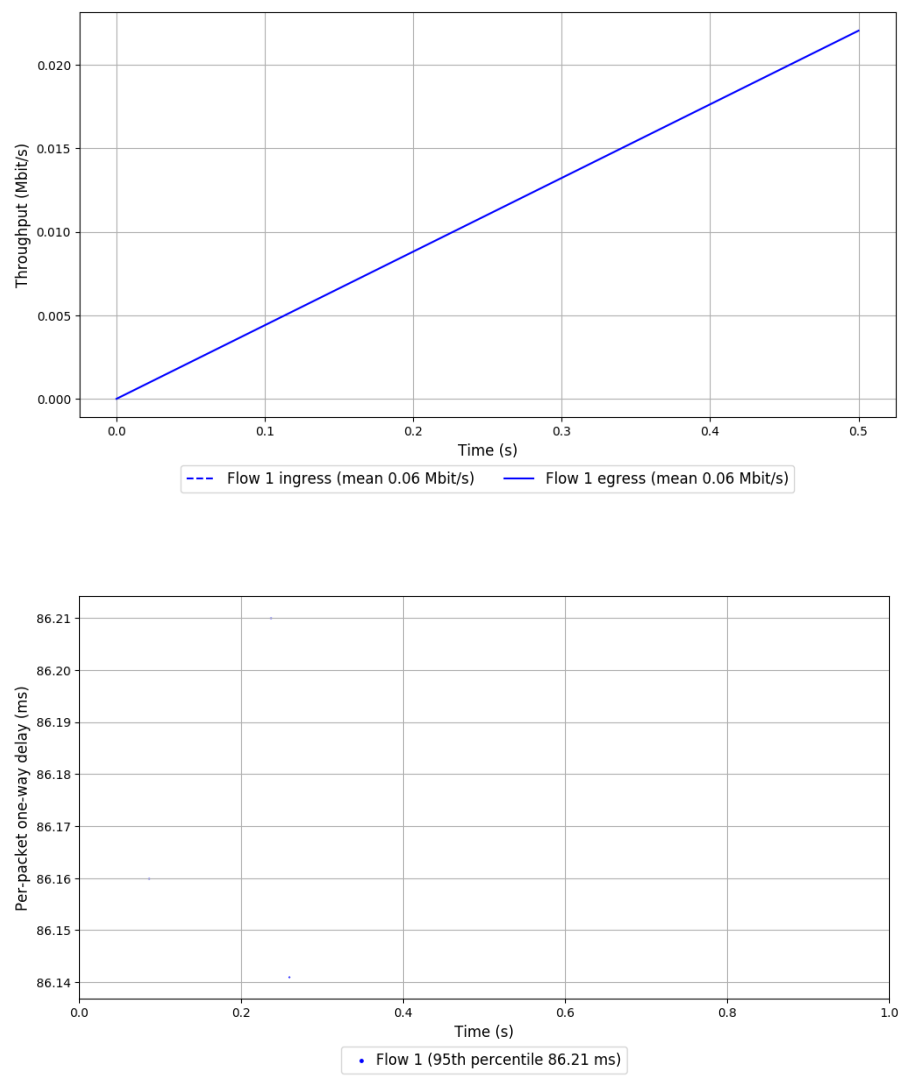
Start at: 2018-08-01 02:35:52

End at: 2018-08-01 02:36:22

Local clock offset: 0.442 ms

Remote clock offset: -0.145 ms

Run 10: Report of QUIC Cubic — Data Link

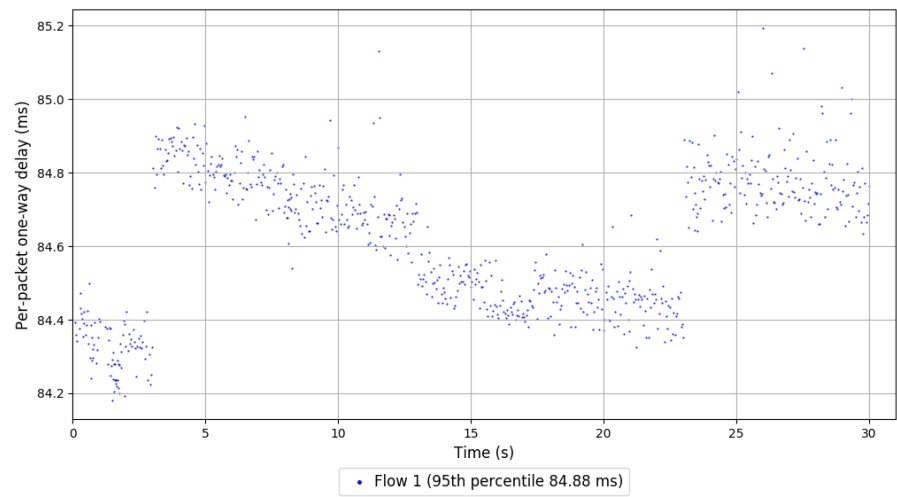
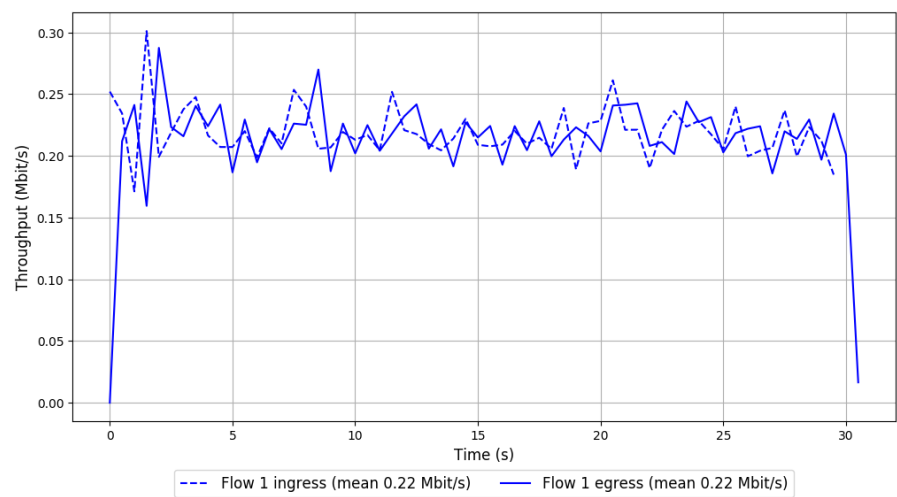


Run 1: Statistics of SCReAM

Start at: 2018-07-31 22:56:39
End at: 2018-07-31 22:57:09
Local clock offset: 8.345 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-08-01 04:14:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.884 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.884 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

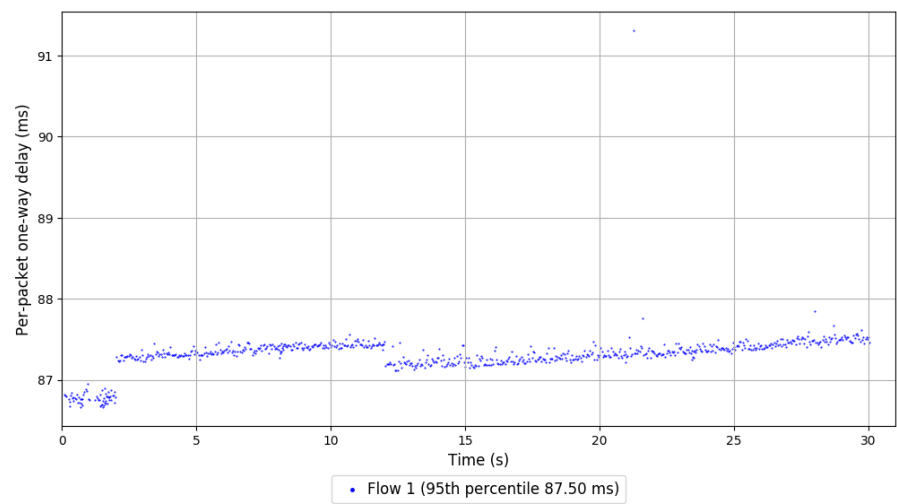
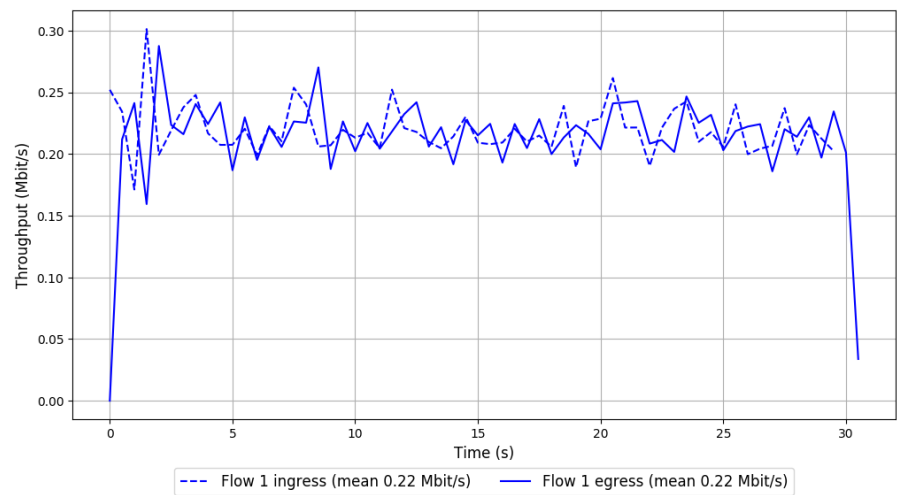


```
Run 2: Statistics of SCReAM

Start at: 2018-07-31 23:19:00
End at: 2018-07-31 23:19:30
Local clock offset: 17.032 ms
Remote clock offset: 0.036 ms

# Below is generated by plot.py at 2018-08-01 04:14:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.503 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.503 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-07-31 23:41:20

End at: 2018-07-31 23:41:50

Local clock offset: 22.345 ms

Remote clock offset: 0.174 ms

Below is generated by plot.py at 2018-08-01 04:14:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.541 ms

Loss rate: 0.00%

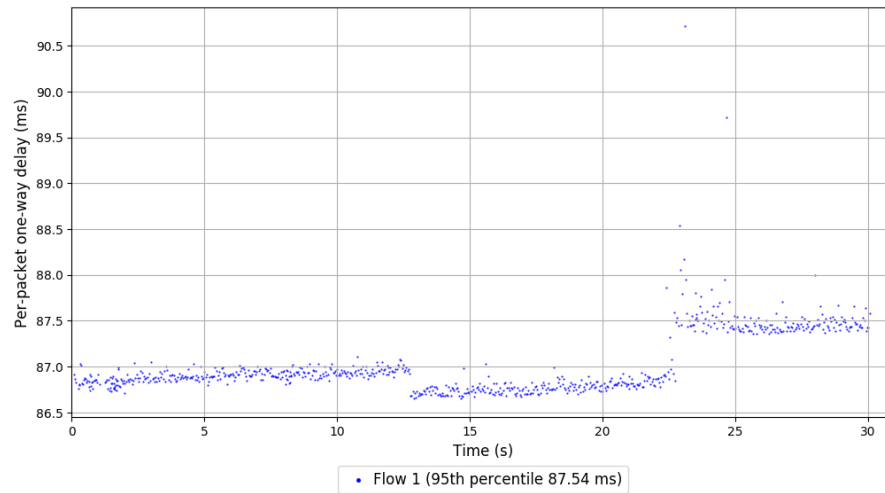
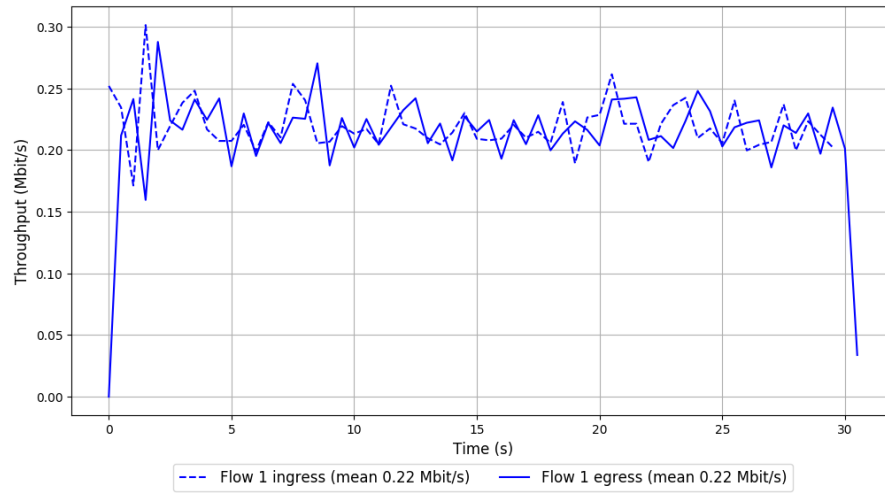
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.541 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-08-01 00:04:06

End at: 2018-08-01 00:04:36

Local clock offset: 28.947 ms

Remote clock offset: 0.34 ms

Below is generated by plot.py at 2018-08-01 04:14:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.293 ms

Loss rate: 0.00%

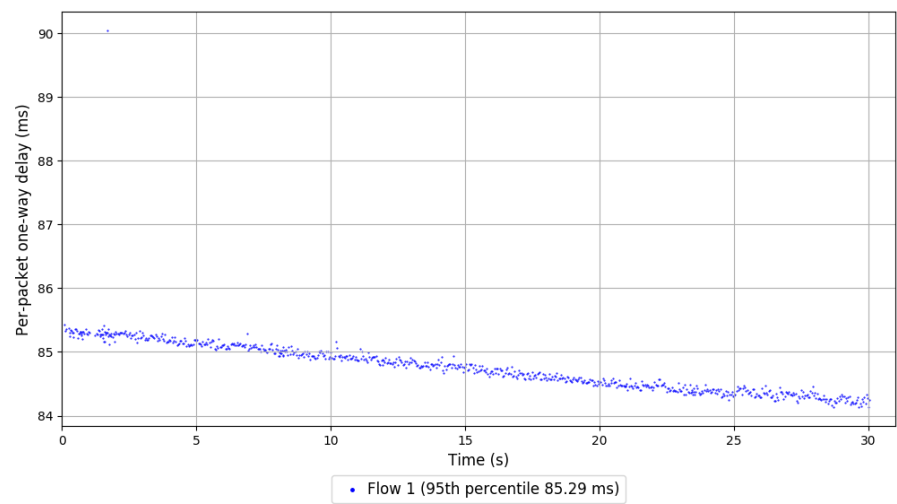
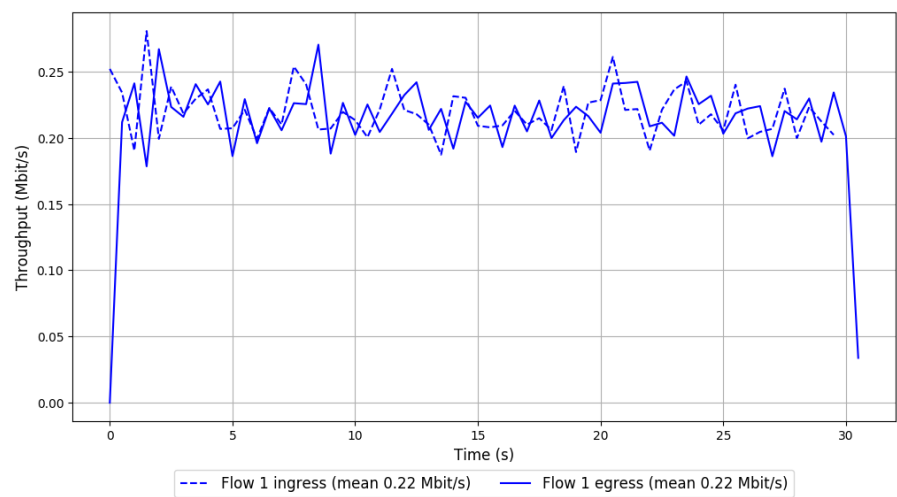
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.293 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-08-01 00:26:53

End at: 2018-08-01 00:27:23

Local clock offset: 17.222 ms

Remote clock offset: 0.482 ms

Below is generated by plot.py at 2018-08-01 04:14:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.701 ms

Loss rate: 0.00%

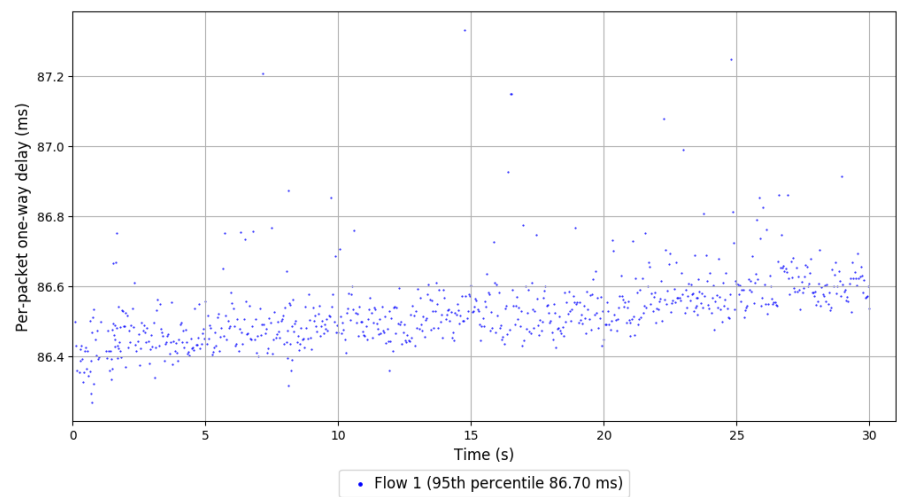
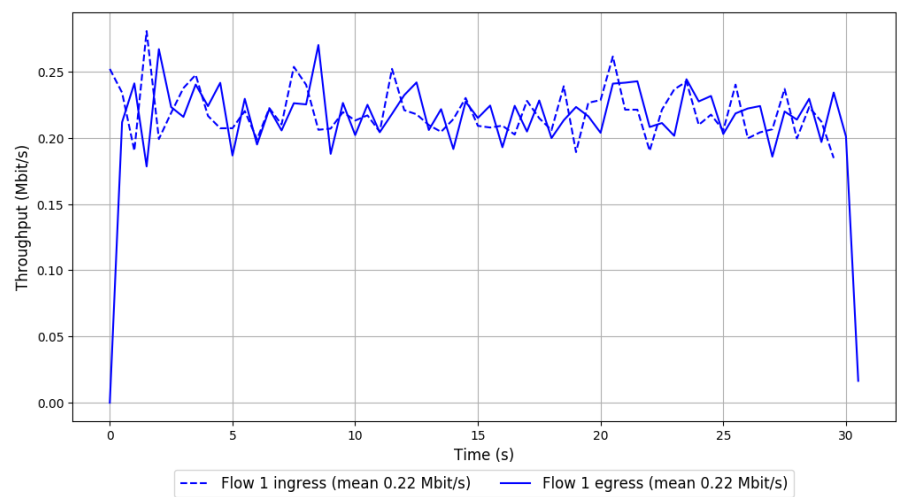
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.701 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-08-01 00:49:38

End at: 2018-08-01 00:50:08

Local clock offset: 7.724 ms

Remote clock offset: 0.652 ms

Below is generated by plot.py at 2018-08-01 04:14:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.799 ms

Loss rate: 0.00%

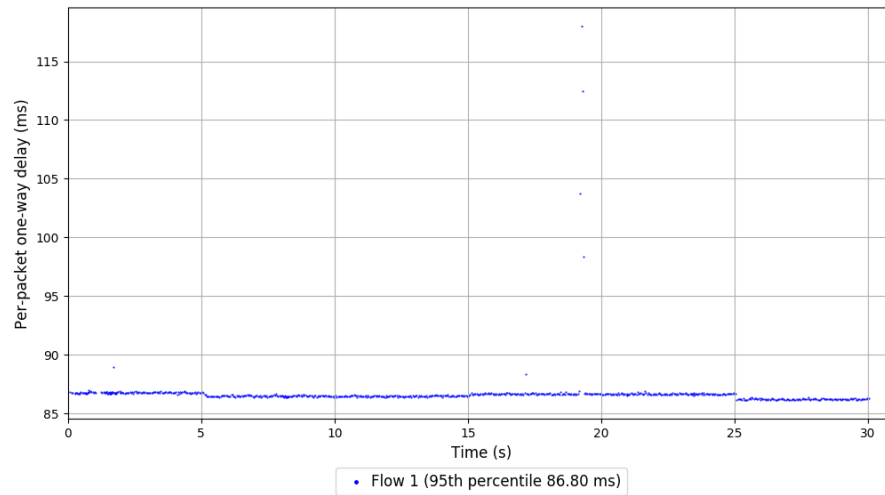
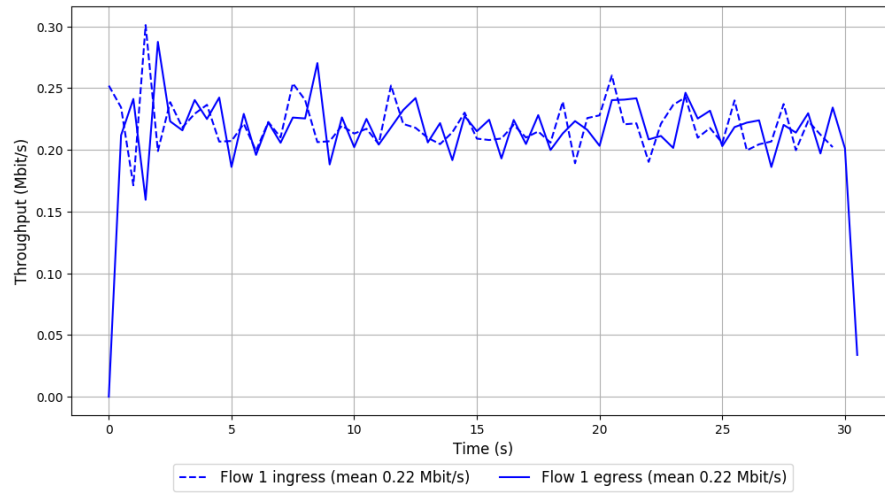
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.799 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-08-01 01:12:29

End at: 2018-08-01 01:13:00

Local clock offset: 7.127 ms

Remote clock offset: 0.46 ms

Below is generated by plot.py at 2018-08-01 04:14:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.406 ms

Loss rate: 0.00%

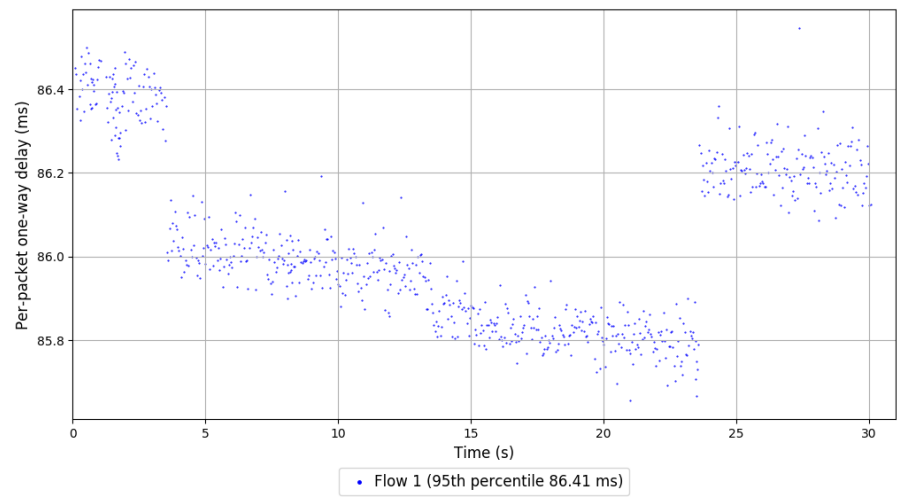
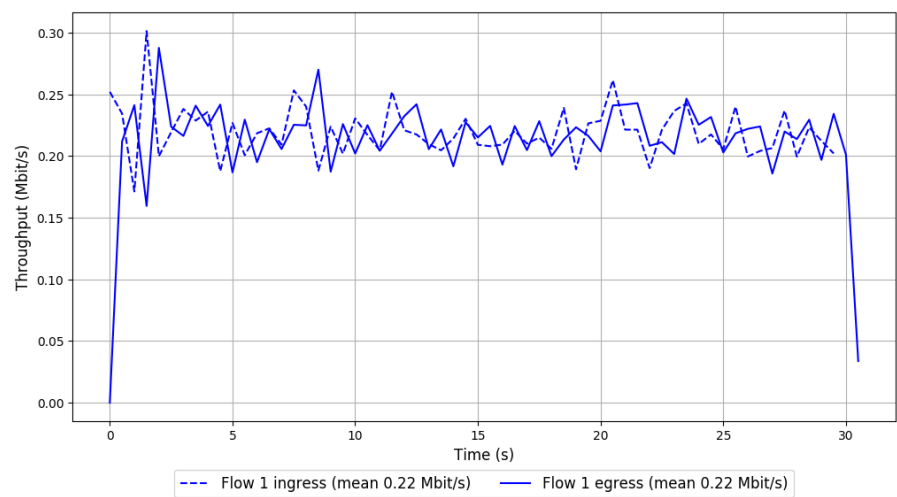
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.406 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

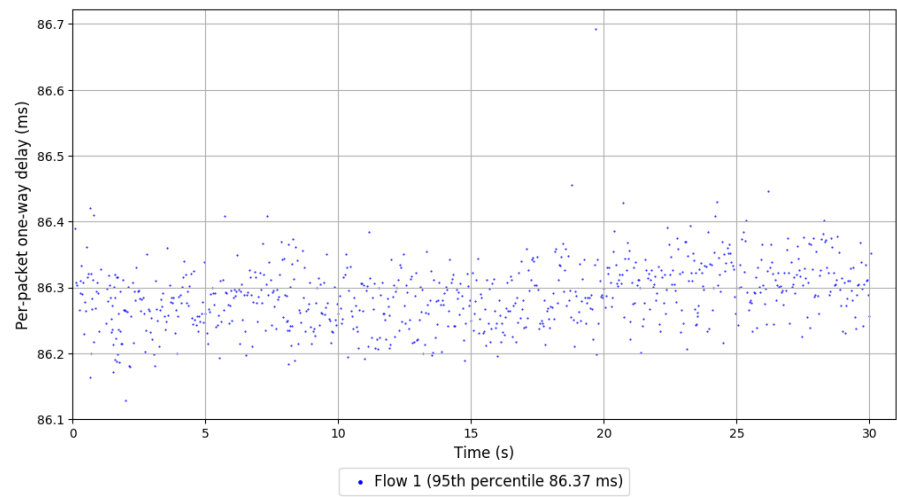
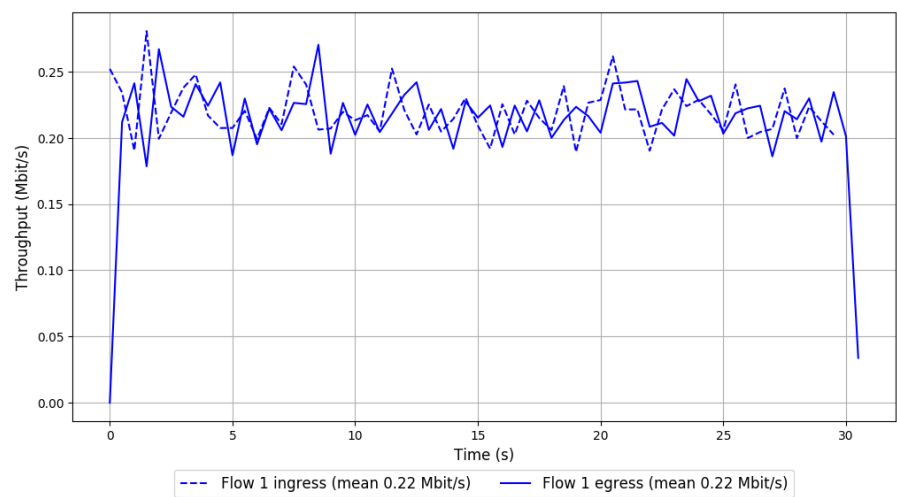


Run 8: Statistics of SCReAM

Start at: 2018-08-01 01:34:50
End at: 2018-08-01 01:35:20
Local clock offset: 4.19 ms
Remote clock offset: -0.176 ms

Below is generated by plot.py at 2018-08-01 04:14:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.367 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.367 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

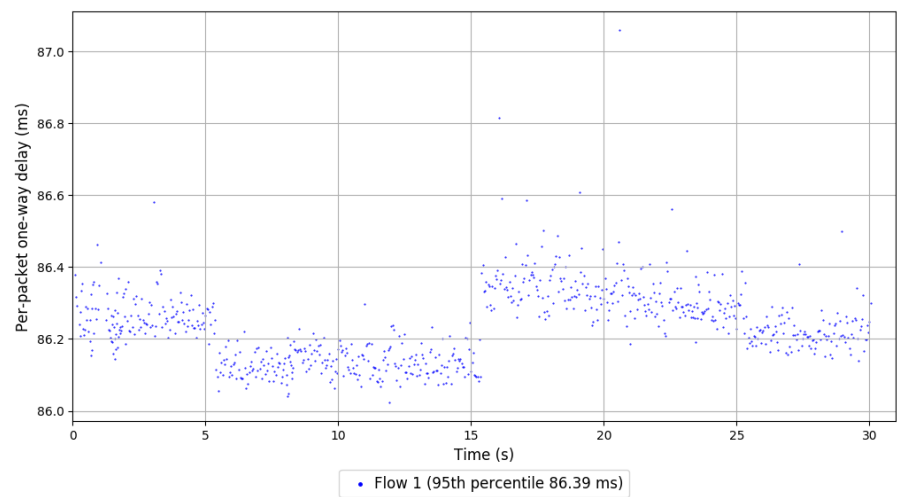
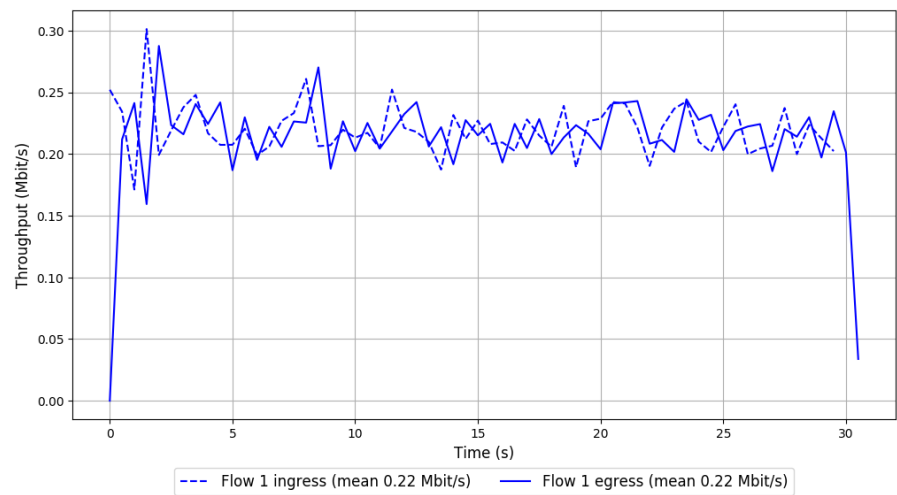


Run 9: Statistics of SCReAM

Start at: 2018-08-01 01:57:18
End at: 2018-08-01 01:57:48
Local clock offset: 1.353 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-08-01 04:14:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.392 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.392 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

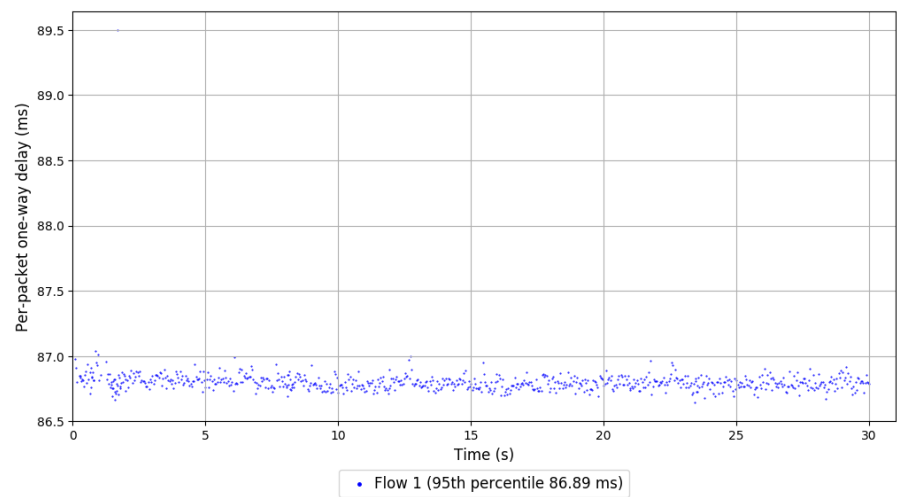
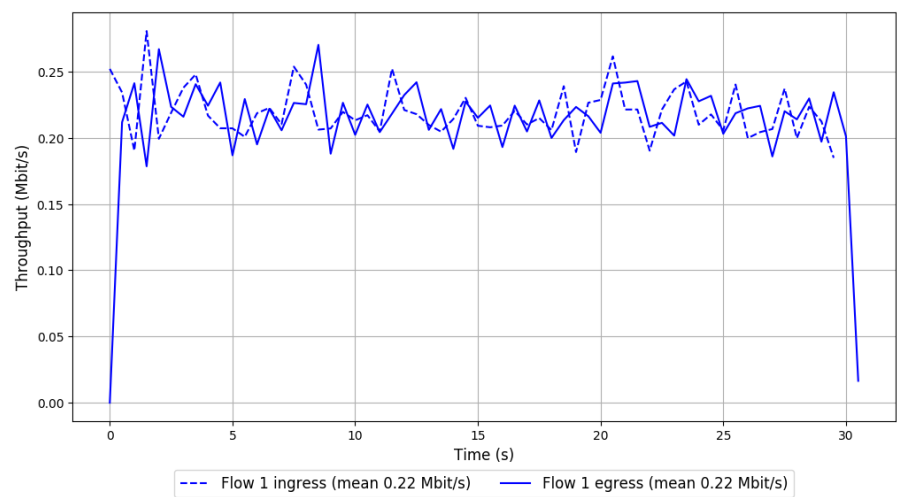


Run 10: Statistics of SCReAM

Start at: 2018-08-01 02:19:40
End at: 2018-08-01 02:20:10
Local clock offset: 0.77 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-08-01 04:14:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.885 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.885 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-31 23:13:47

End at: 2018-07-31 23:14:18

Local clock offset: 13.488 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-08-01 04:14:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 86.654 ms

Loss rate: 0.00%

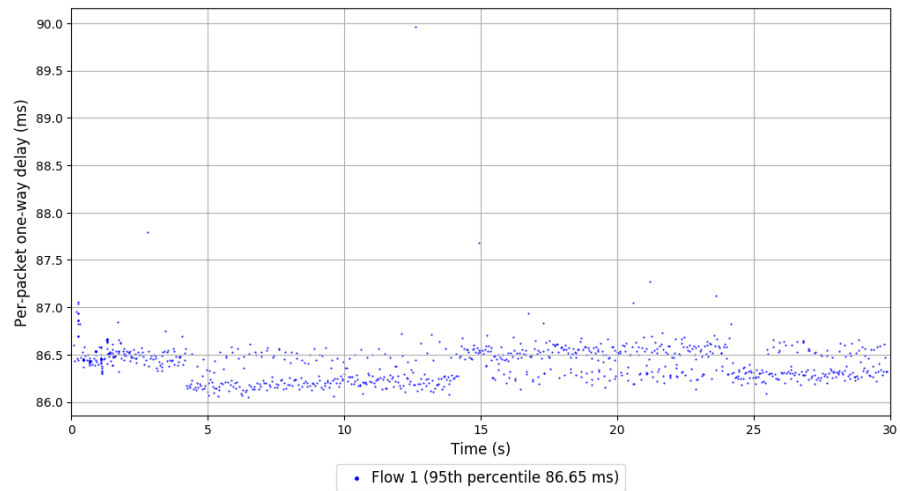
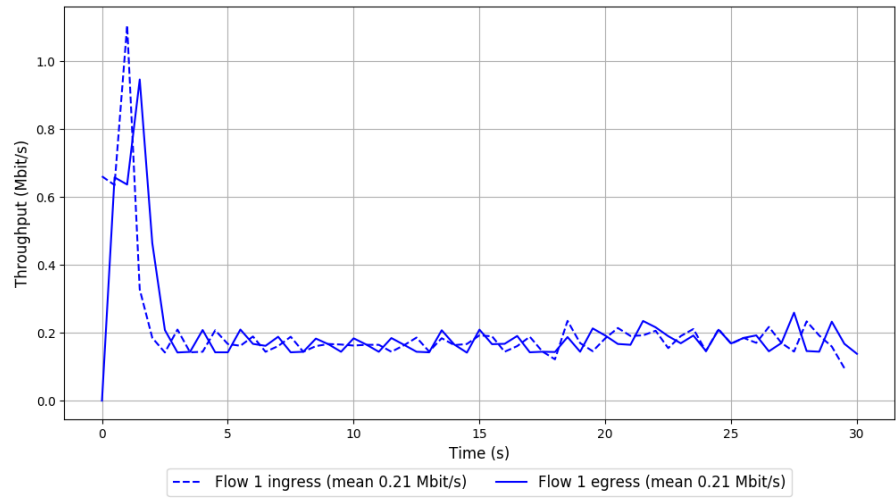
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 86.654 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-07-31 23:36:11

End at: 2018-07-31 23:36:41

Local clock offset: 20.16 ms

Remote clock offset: 0.11 ms

Below is generated by plot.py at 2018-08-01 04:14:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 86.900 ms

Loss rate: 0.00%

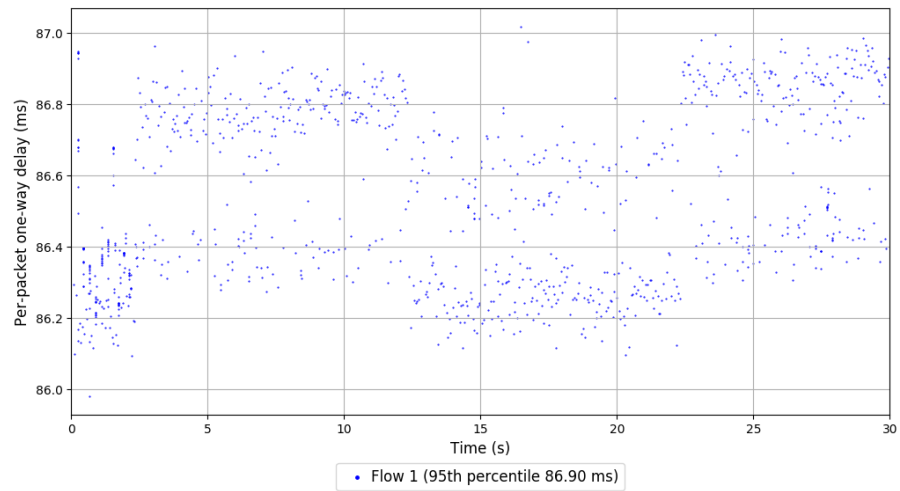
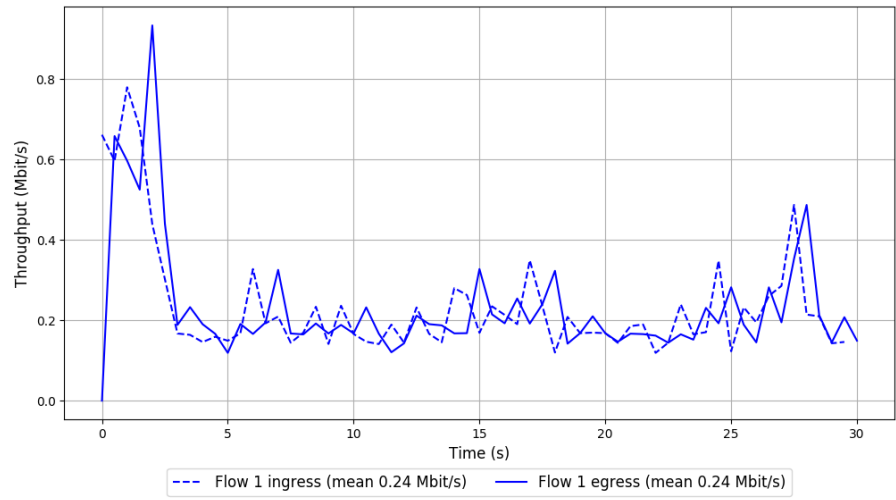
-- Flow 1:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 86.900 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

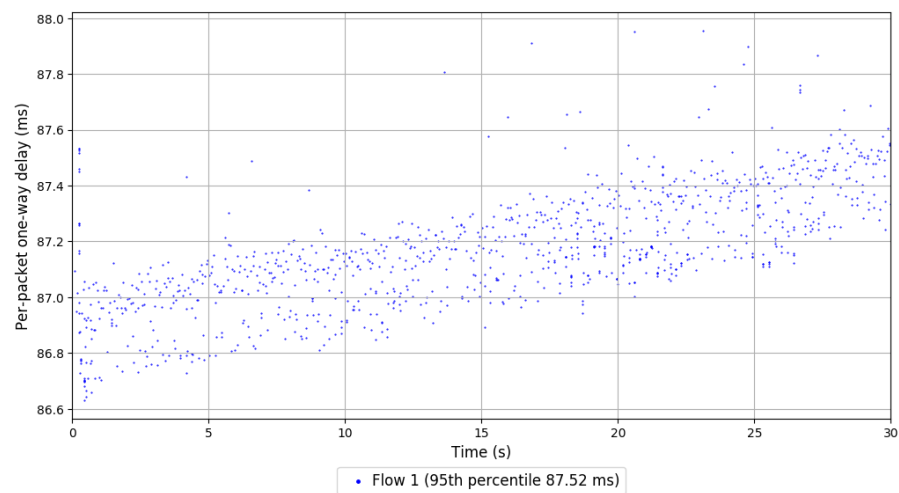
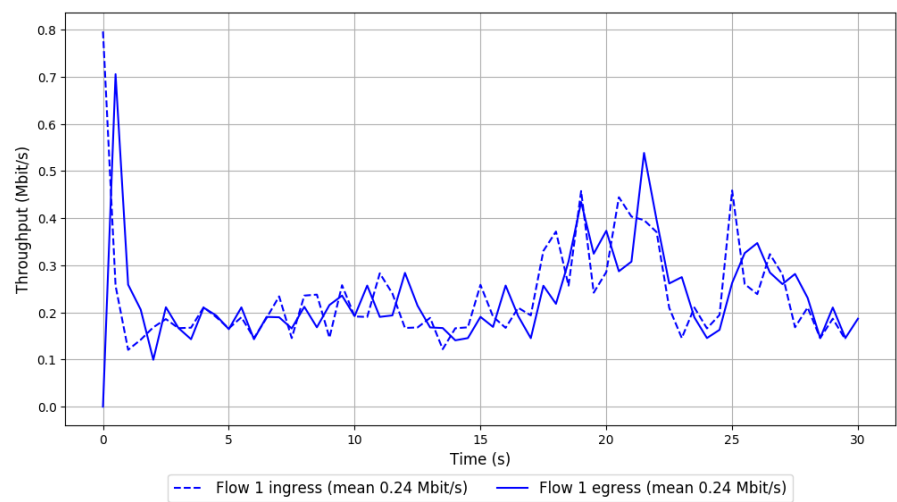


Run 3: Statistics of Sprout

Start at: 2018-07-31 23:58:48
End at: 2018-07-31 23:59:18
Local clock offset: 38.402 ms
Remote clock offset: 0.259 ms

Below is generated by plot.py at 2018-08-01 04:14:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 87.518 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 87.518 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-08-01 00:21:37

End at: 2018-08-01 00:22:07

Local clock offset: 15.612 ms

Remote clock offset: 0.401 ms

Below is generated by plot.py at 2018-08-01 04:14:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 86.811 ms

Loss rate: 0.00%

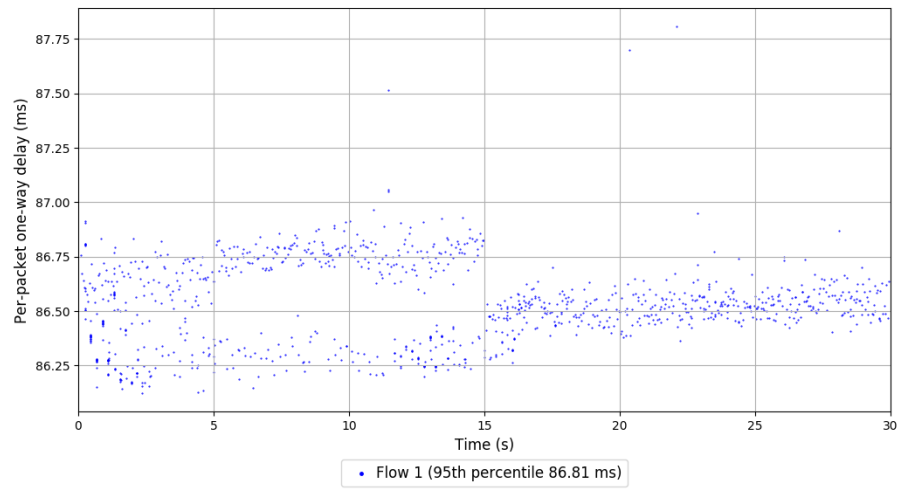
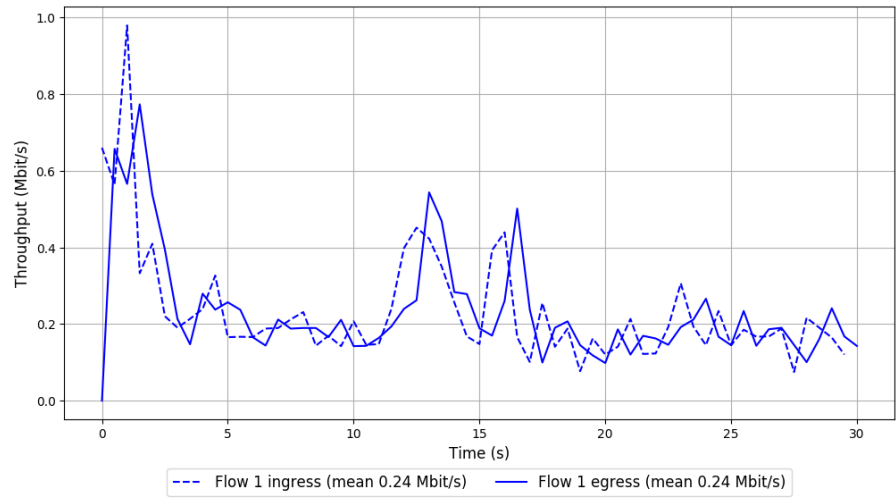
-- Flow 1:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 86.811 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-08-01 00:44:21

End at: 2018-08-01 00:44:52

Local clock offset: 9.276 ms

Remote clock offset: 0.587 ms

Below is generated by plot.py at 2018-08-01 04:14:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 86.298 ms

Loss rate: 0.00%

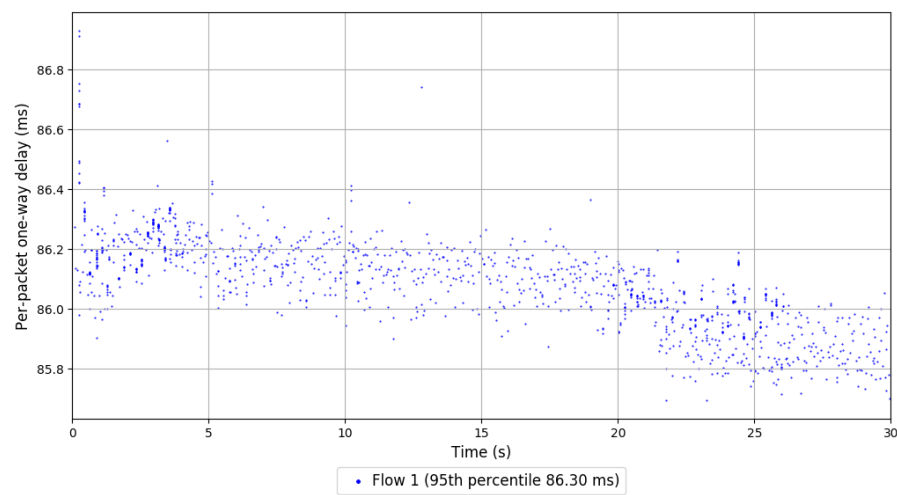
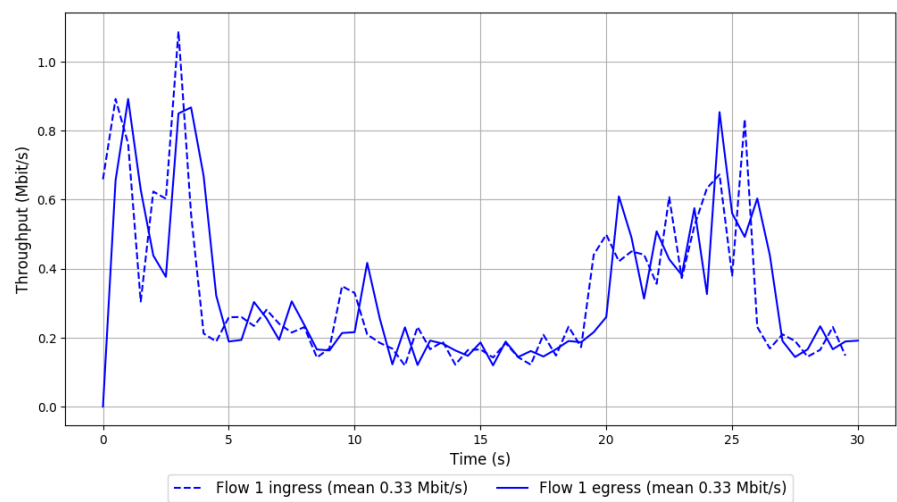
-- Flow 1:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 86.298 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-08-01 01:07:17

End at: 2018-08-01 01:07:47

Local clock offset: 9.856 ms

Remote clock offset: 0.777 ms

Below is generated by plot.py at 2018-08-01 04:14:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 86.268 ms

Loss rate: 0.00%

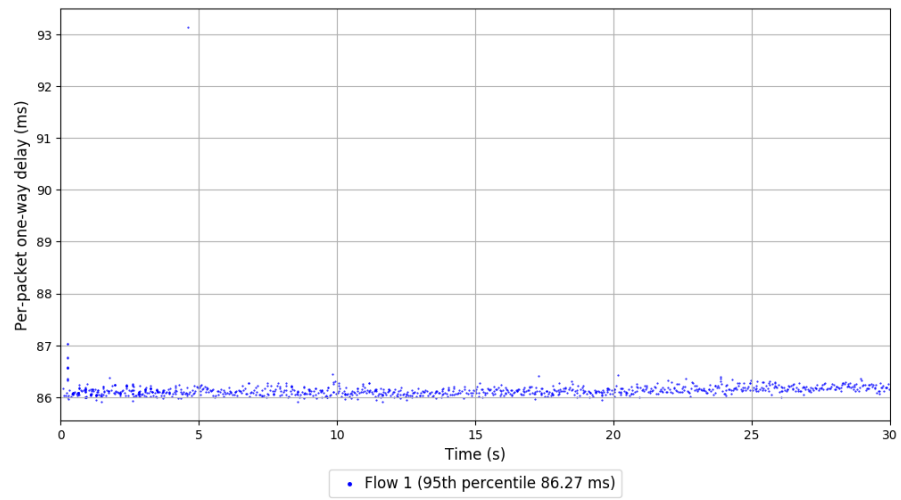
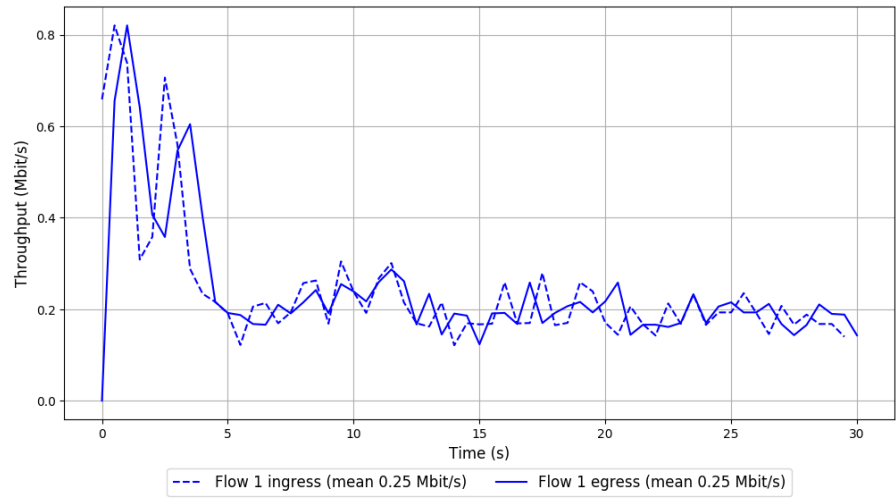
-- Flow 1:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 86.268 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

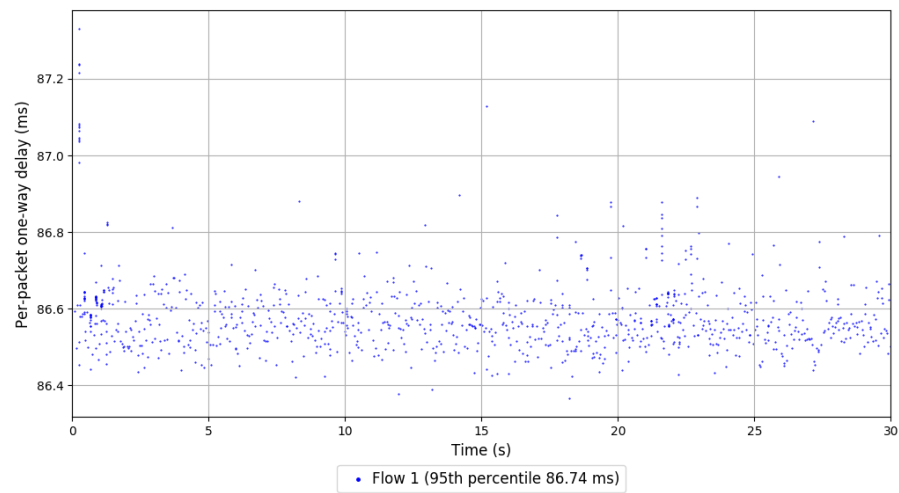
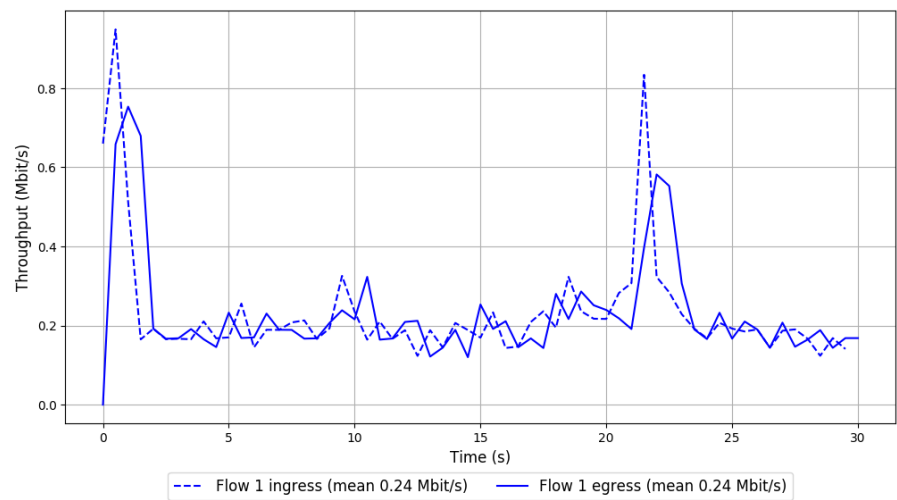


Run 7: Statistics of Sprout

Start at: 2018-08-01 01:29:36
End at: 2018-08-01 01:30:06
Local clock offset: 3.528 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2018-08-01 04:14:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.743 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.743 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

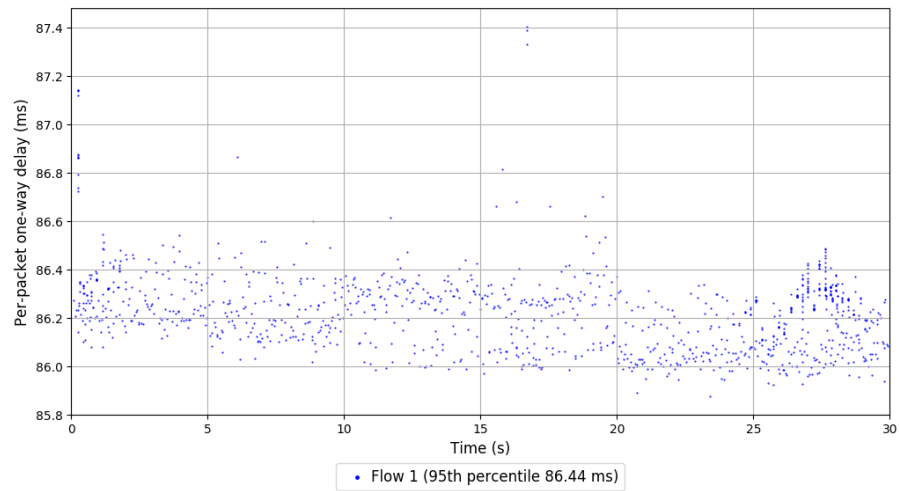
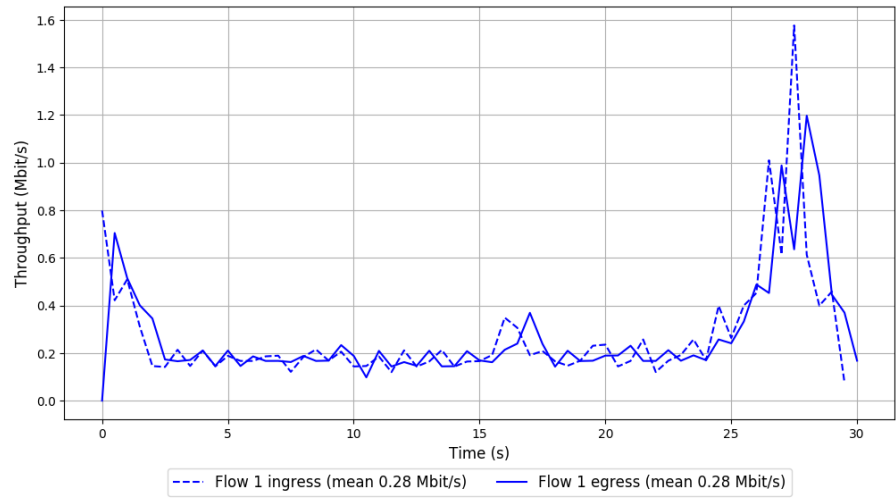


Run 8: Statistics of Sprout

Start at: 2018-08-01 01:52:03
End at: 2018-08-01 01:52:33
Local clock offset: 1.925 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-08-01 04:14:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 86.439 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 86.439 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

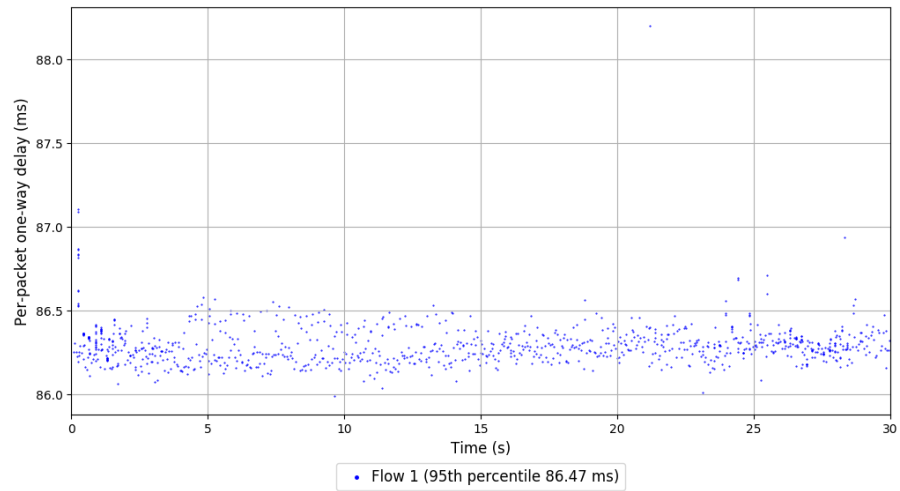
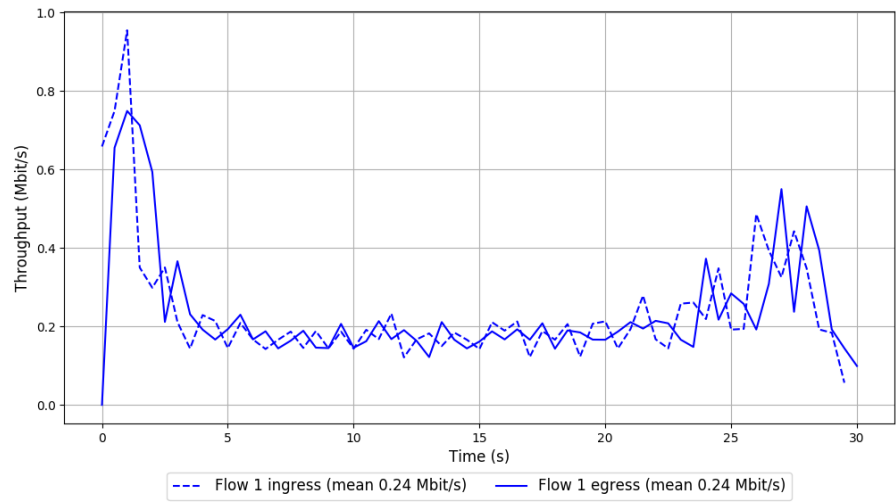


Run 9: Statistics of Sprout

Start at: 2018-08-01 02:14:29
End at: 2018-08-01 02:14:59
Local clock offset: 1.065 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-08-01 04:14:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.475 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.475 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

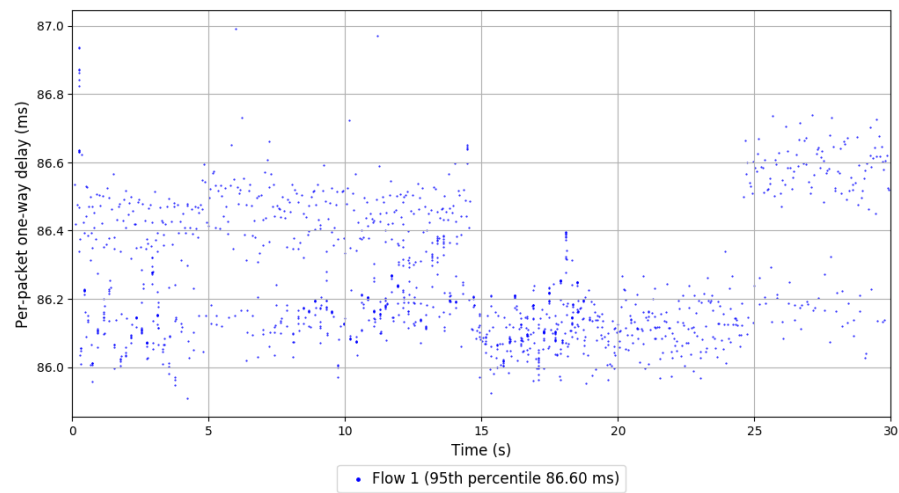
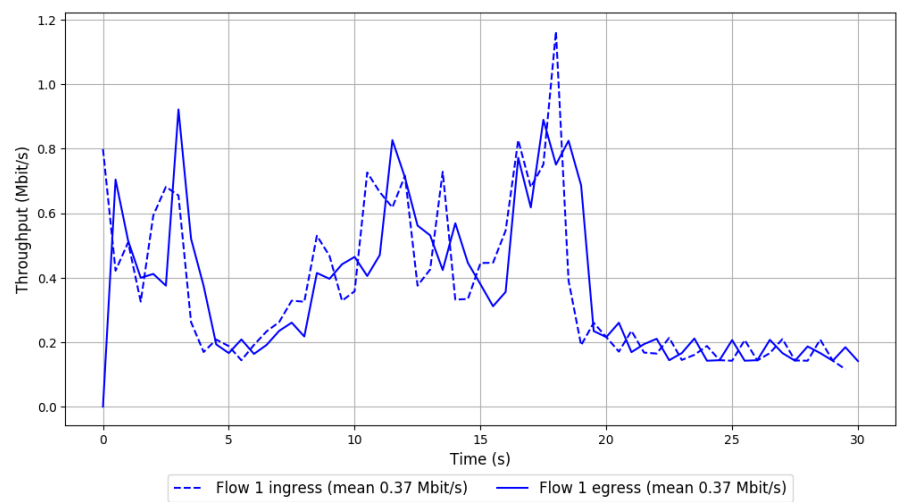


Run 10: Statistics of Sprout

Start at: 2018-08-01 02:36:58
End at: 2018-08-01 02:37:28
Local clock offset: 0.572 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-08-01 04:14:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 86.598 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 86.598 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-07-31 22:57:45

End at: 2018-07-31 22:58:15

Local clock offset: 6.446 ms

Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-08-01 04:17:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.44 Mbit/s

95th percentile per-packet one-way delay: 89.509 ms

Loss rate: 0.00%

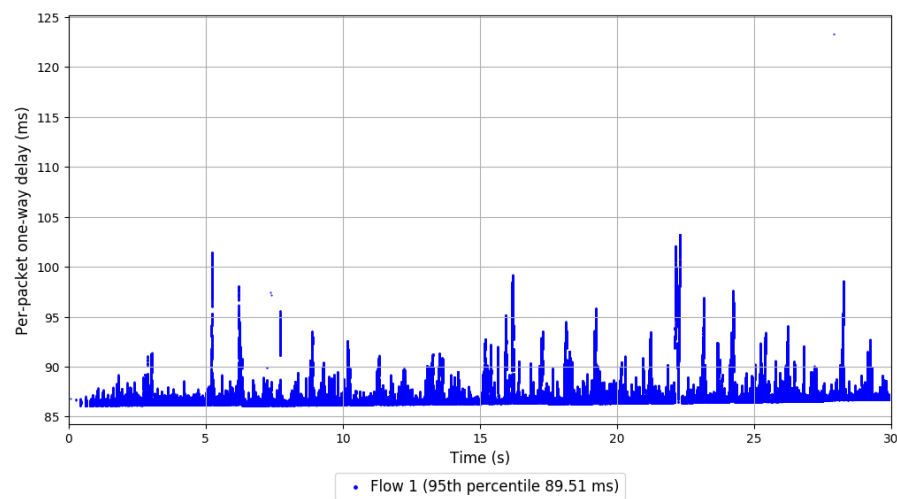
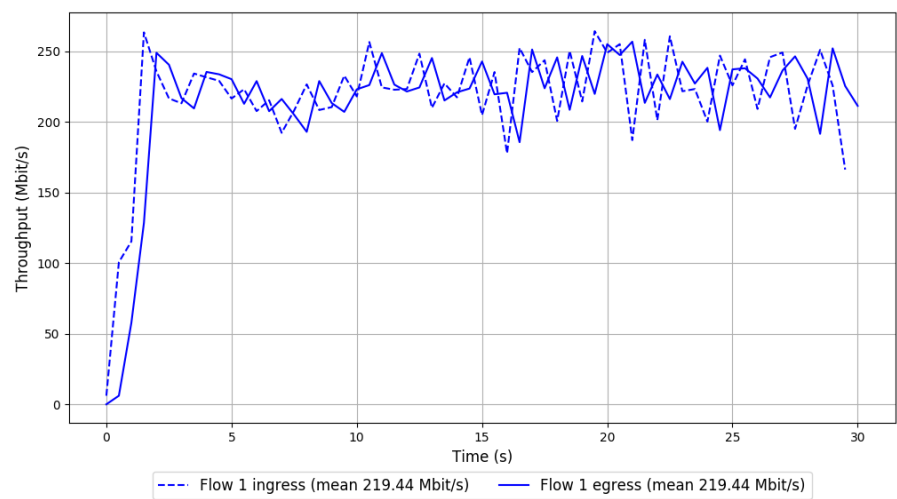
-- Flow 1:

Average throughput: 219.44 Mbit/s

95th percentile per-packet one-way delay: 89.509 ms

Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-31 23:20:06

End at: 2018-07-31 23:20:36

Local clock offset: 18.195 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-08-01 04:17:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.31 Mbit/s

95th percentile per-packet one-way delay: 98.016 ms

Loss rate: 0.00%

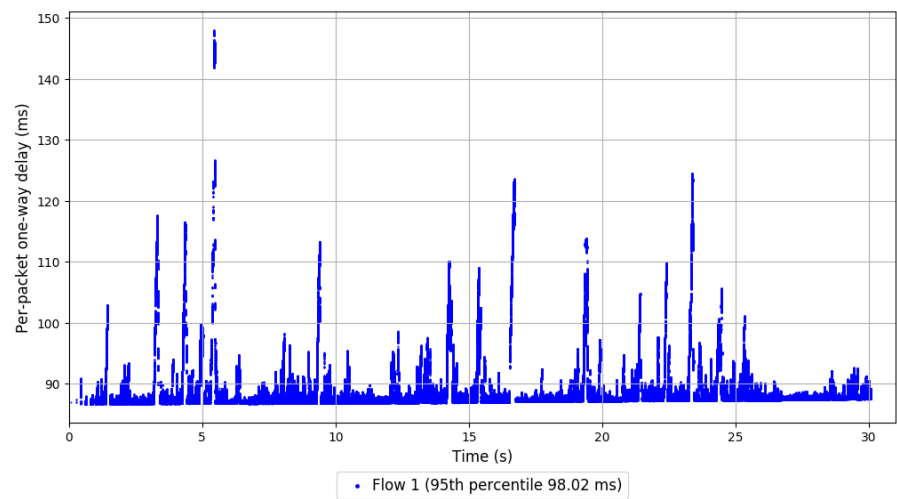
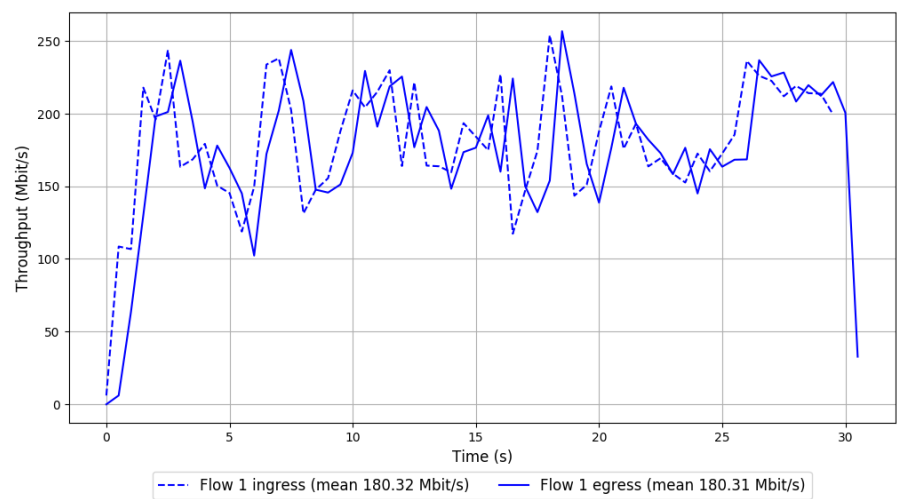
-- Flow 1:

Average throughput: 180.31 Mbit/s

95th percentile per-packet one-way delay: 98.016 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-31 23:42:27

End at: 2018-07-31 23:42:57

Local clock offset: 23.024 ms

Remote clock offset: 0.128 ms

Below is generated by plot.py at 2018-08-01 04:17:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 195.27 Mbit/s

95th percentile per-packet one-way delay: 94.254 ms

Loss rate: 0.00%

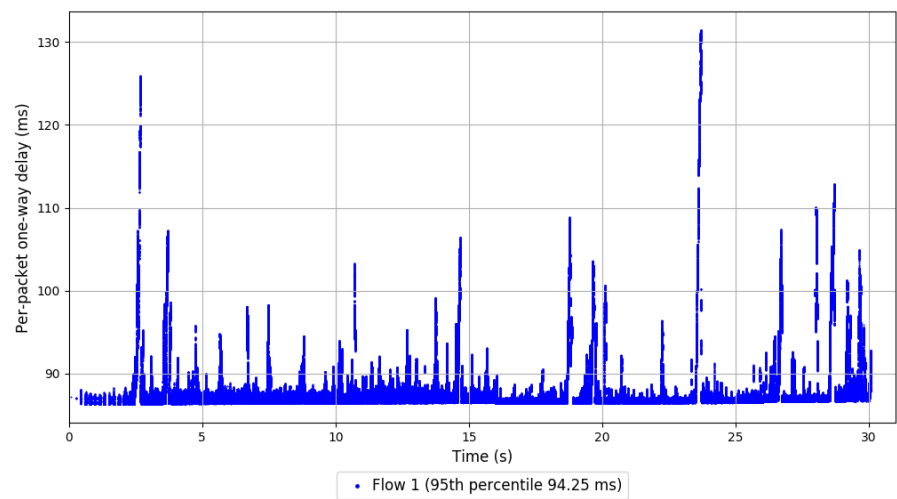
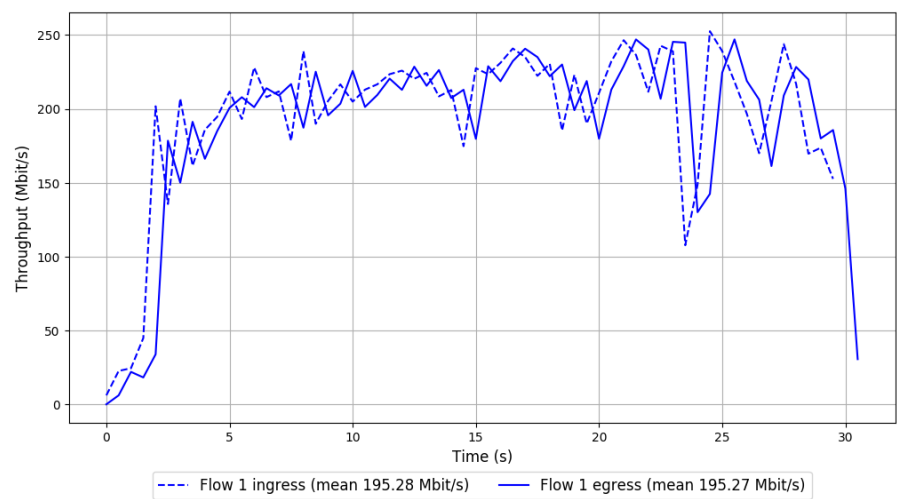
-- Flow 1:

Average throughput: 195.27 Mbit/s

95th percentile per-packet one-way delay: 94.254 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-08-01 00:05:12

End at: 2018-08-01 00:05:42

Local clock offset: 26.439 ms

Remote clock offset: 0.329 ms

Below is generated by plot.py at 2018-08-01 04:18:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.62 Mbit/s

95th percentile per-packet one-way delay: 88.128 ms

Loss rate: 0.00%

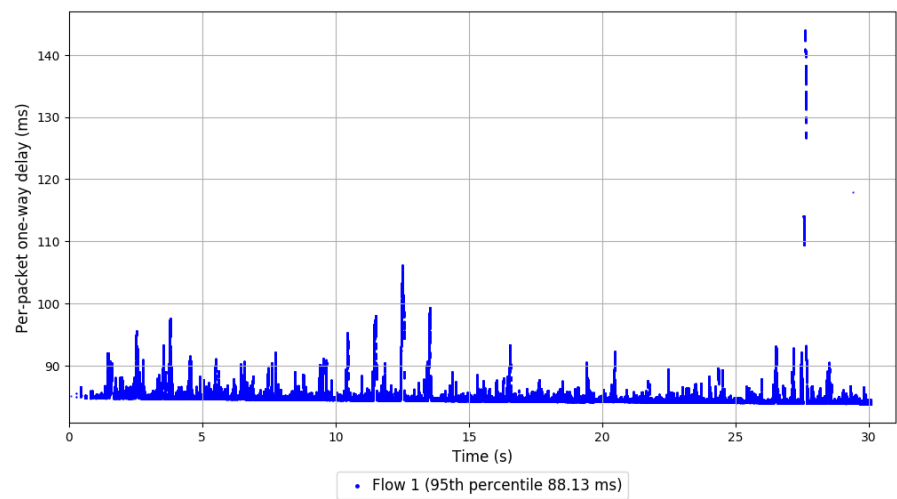
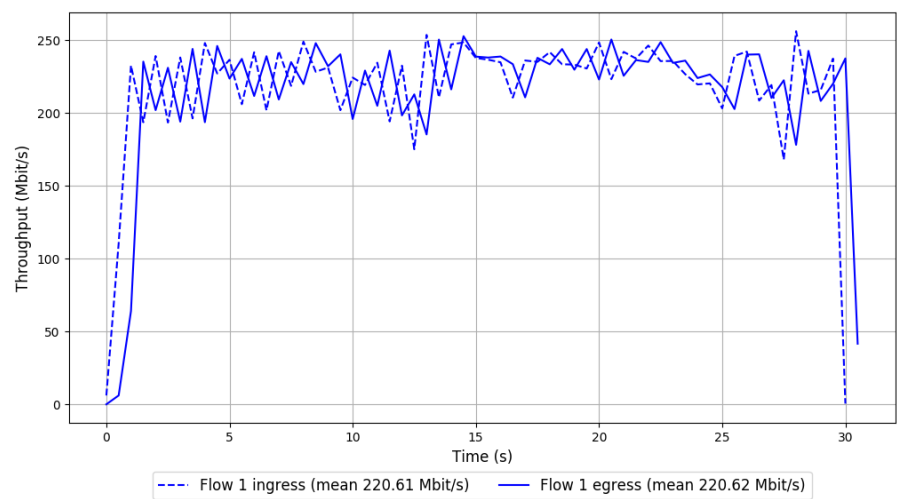
-- Flow 1:

Average throughput: 220.62 Mbit/s

95th percentile per-packet one-way delay: 88.128 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-08-01 00:28:00

End at: 2018-08-01 00:28:30

Local clock offset: 17.413 ms

Remote clock offset: 0.468 ms

Below is generated by plot.py at 2018-08-01 04:18:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.43 Mbit/s

95th percentile per-packet one-way delay: 87.769 ms

Loss rate: 0.00%

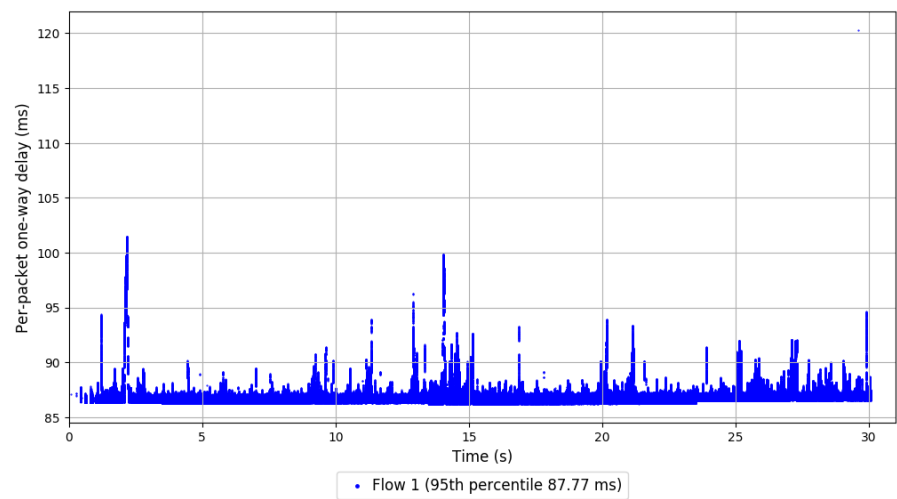
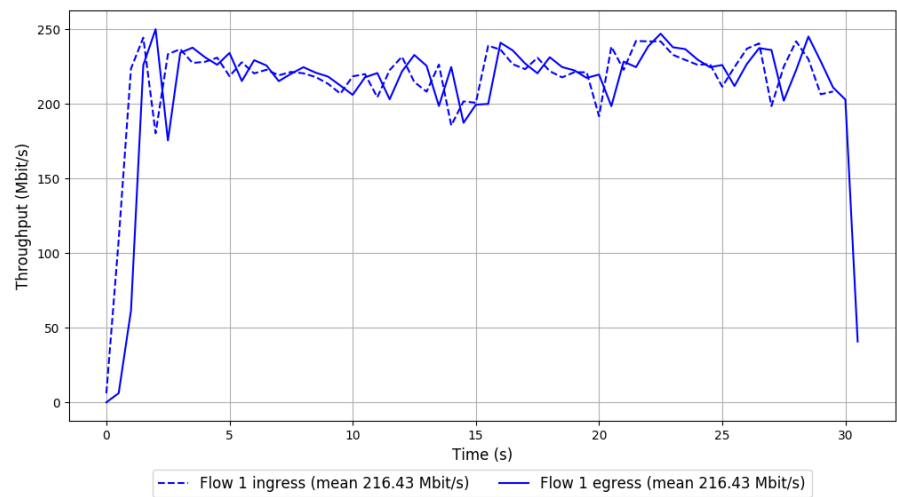
-- Flow 1:

Average throughput: 216.43 Mbit/s

95th percentile per-packet one-way delay: 87.769 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-08-01 00:50:45

End at: 2018-08-01 00:51:15

Local clock offset: 7.752 ms

Remote clock offset: 0.632 ms

Below is generated by plot.py at 2018-08-01 04:19:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.15 Mbit/s

95th percentile per-packet one-way delay: 87.950 ms

Loss rate: 0.00%

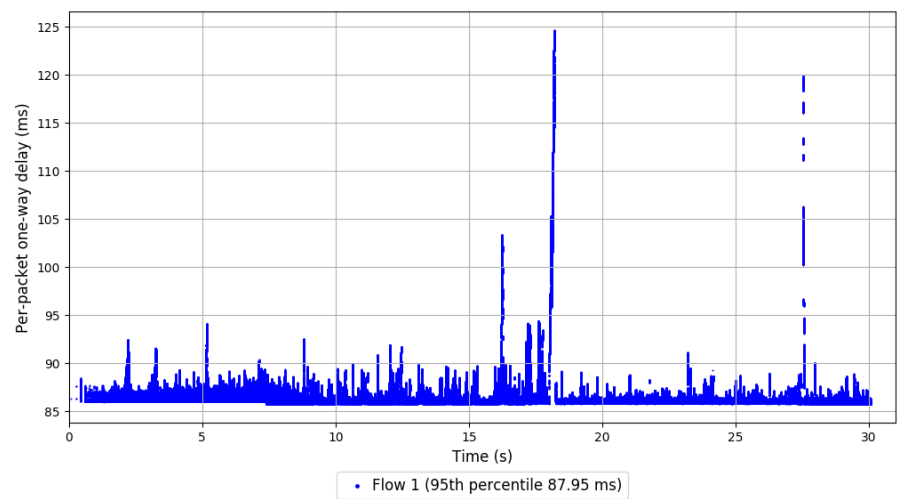
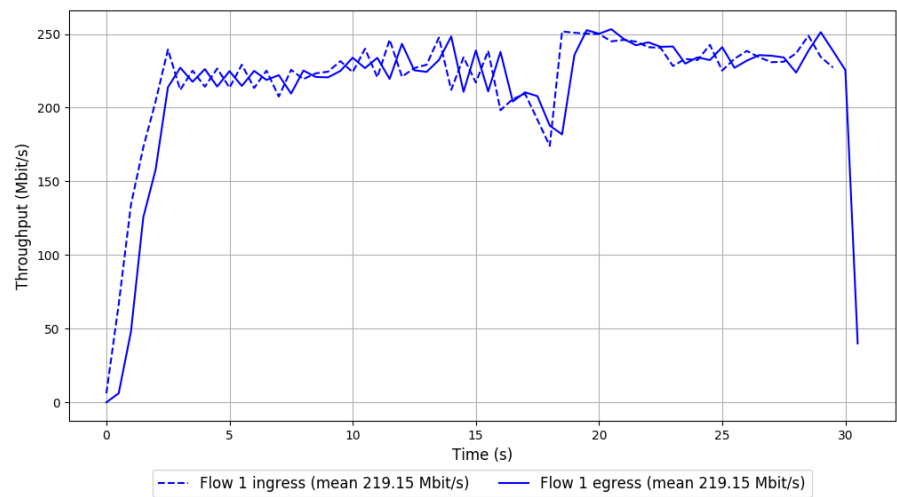
-- Flow 1:

Average throughput: 219.15 Mbit/s

95th percentile per-packet one-way delay: 87.950 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-08-01 01:13:36

End at: 2018-08-01 01:14:06

Local clock offset: 6.605 ms

Remote clock offset: 0.387 ms

Below is generated by plot.py at 2018-08-01 04:20:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.28 Mbit/s

95th percentile per-packet one-way delay: 88.666 ms

Loss rate: 0.00%

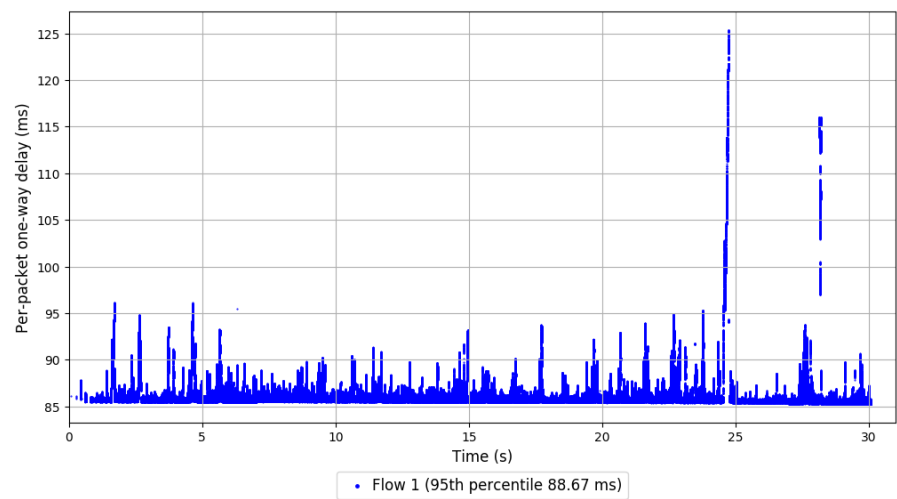
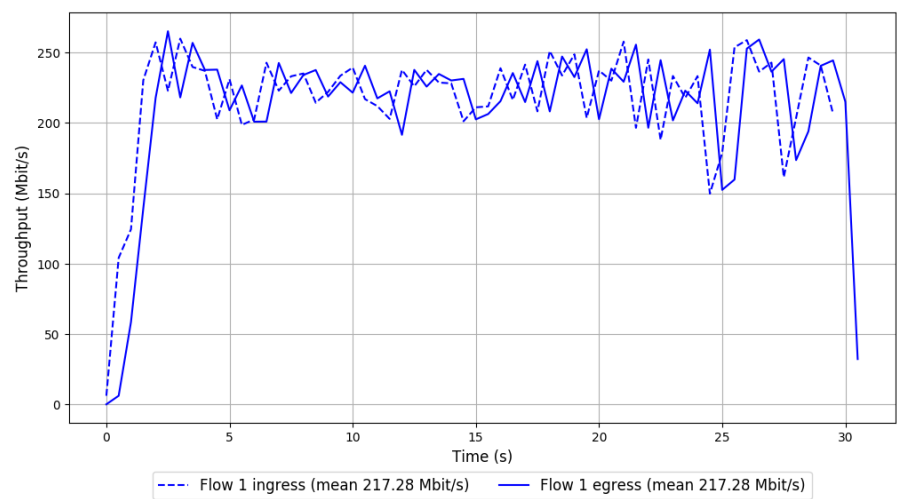
-- Flow 1:

Average throughput: 217.28 Mbit/s

95th percentile per-packet one-way delay: 88.666 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-08-01 01:35:57

End at: 2018-08-01 01:36:27

Local clock offset: 4.032 ms

Remote clock offset: -0.197 ms

Below is generated by plot.py at 2018-08-01 04:21:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.12 Mbit/s

95th percentile per-packet one-way delay: 89.033 ms

Loss rate: 0.00%

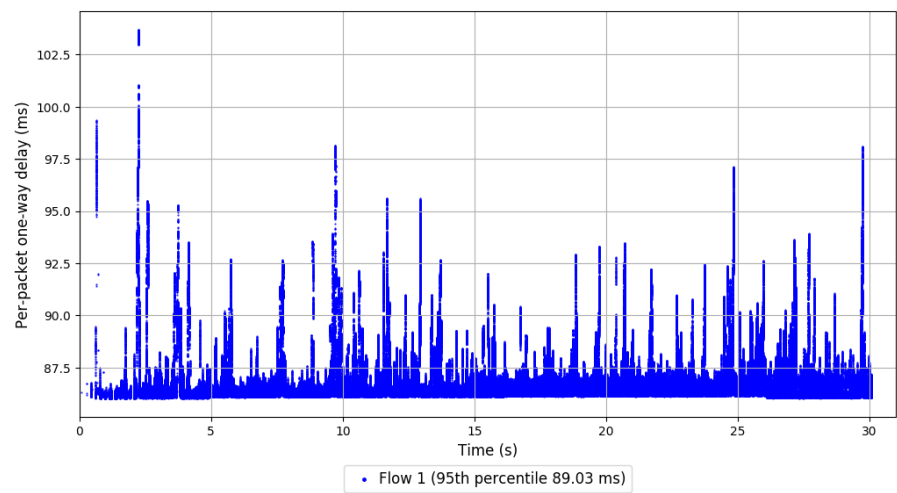
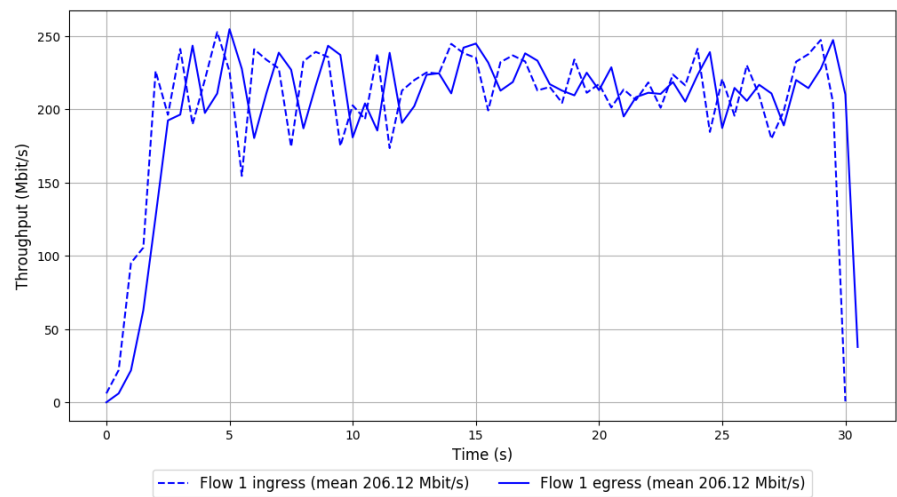
-- Flow 1:

Average throughput: 206.12 Mbit/s

95th percentile per-packet one-way delay: 89.033 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-08-01 01:58:24

End at: 2018-08-01 01:58:54

Local clock offset: 1.338 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-08-01 04:23:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.97 Mbit/s

95th percentile per-packet one-way delay: 87.254 ms

Loss rate: 0.00%

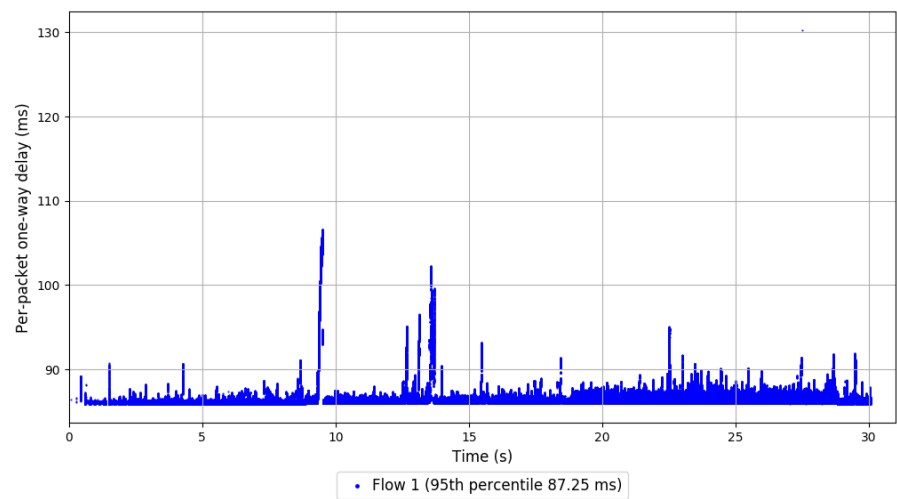
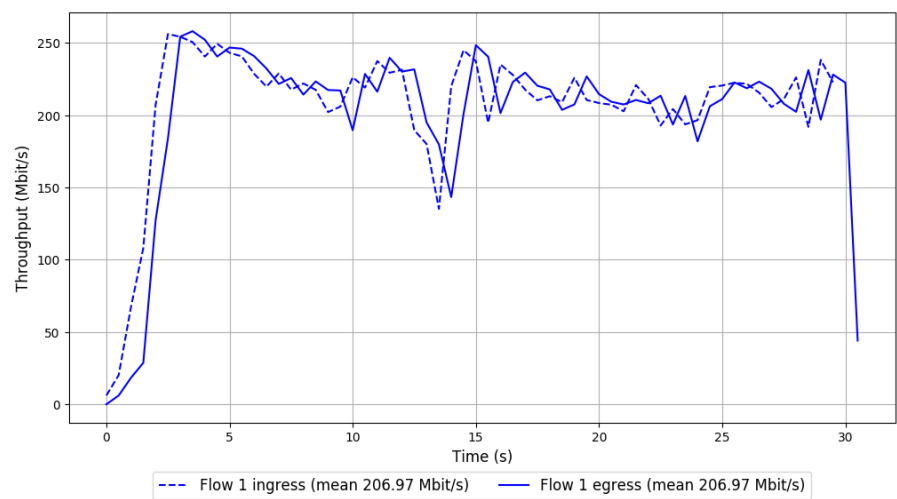
-- Flow 1:

Average throughput: 206.97 Mbit/s

95th percentile per-packet one-way delay: 87.254 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-08-01 02:20:47

End at: 2018-08-01 02:21:17

Local clock offset: 0.723 ms

Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-08-01 04:23:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.02 Mbit/s

95th percentile per-packet one-way delay: 90.298 ms

Loss rate: 0.00%

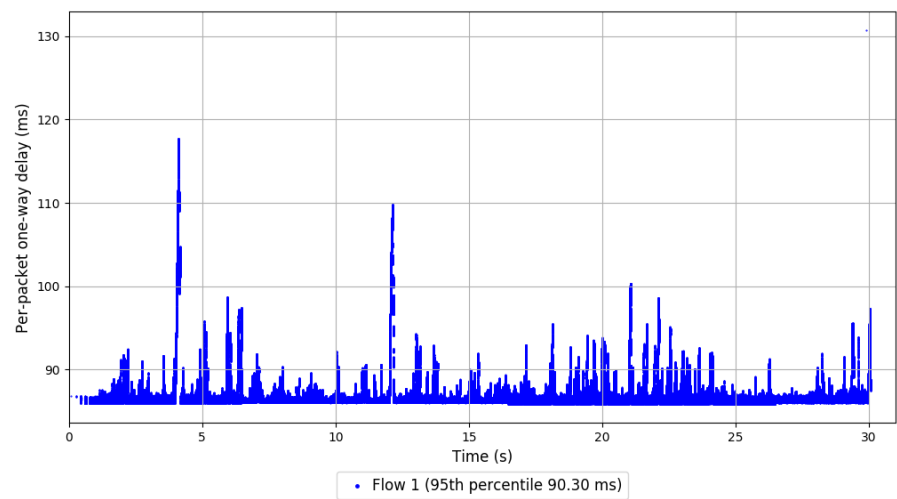
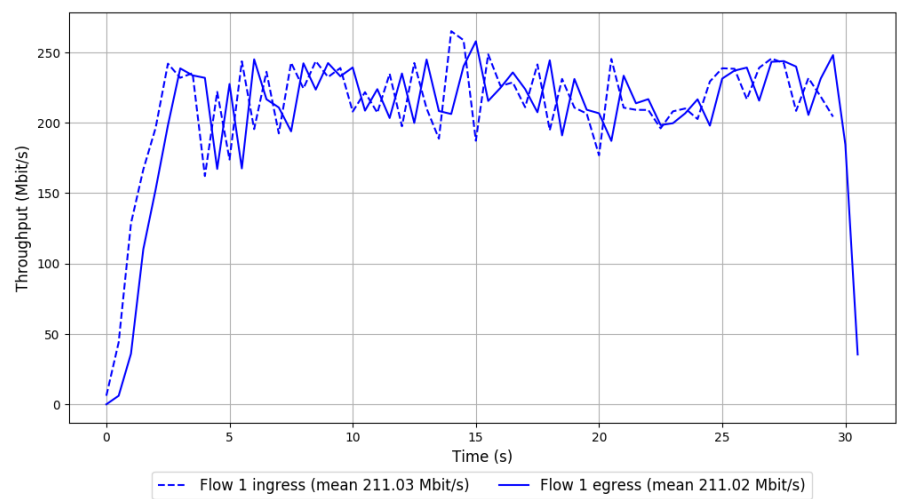
-- Flow 1:

Average throughput: 211.02 Mbit/s

95th percentile per-packet one-way delay: 90.298 ms

Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-31 23:01:33

End at: 2018-07-31 23:02:03

Local clock offset: 9.95 ms

Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-08-01 04:23:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.23 Mbit/s

95th percentile per-packet one-way delay: 87.976 ms

Loss rate: 0.00%

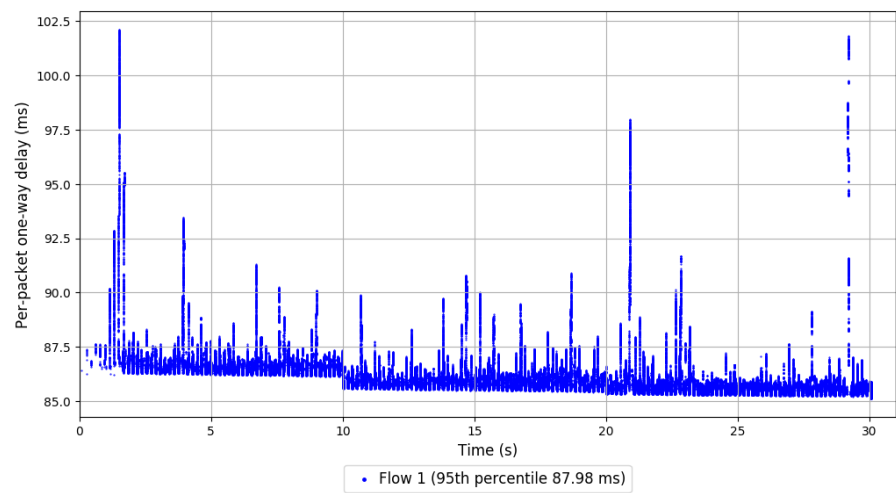
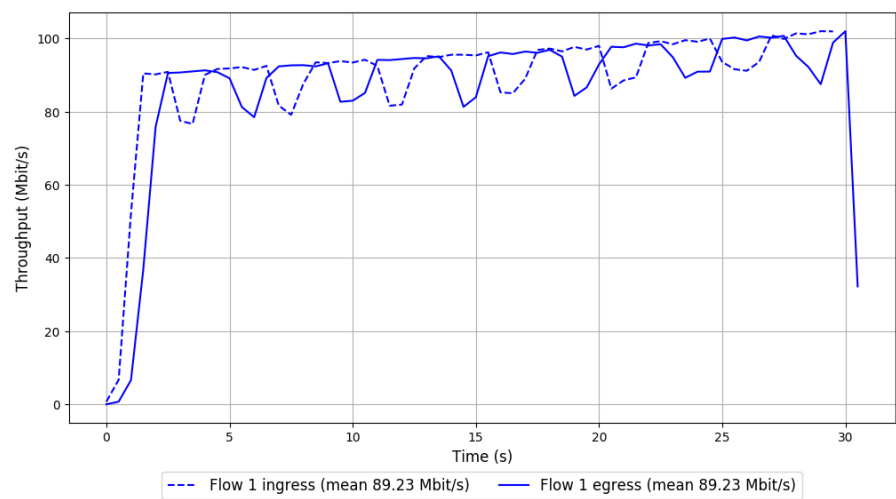
-- Flow 1:

Average throughput: 89.23 Mbit/s

95th percentile per-packet one-way delay: 87.976 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-31 23:23:50

End at: 2018-07-31 23:24:20

Local clock offset: 23.715 ms

Remote clock offset: 0.099 ms

Below is generated by plot.py at 2018-08-01 04:23:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 129.62 Mbit/s

95th percentile per-packet one-way delay: 100.042 ms

Loss rate: 0.00%

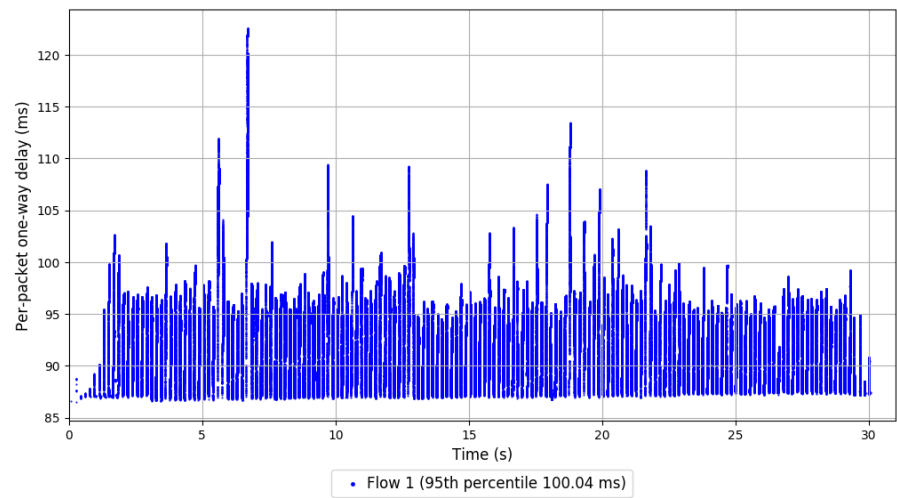
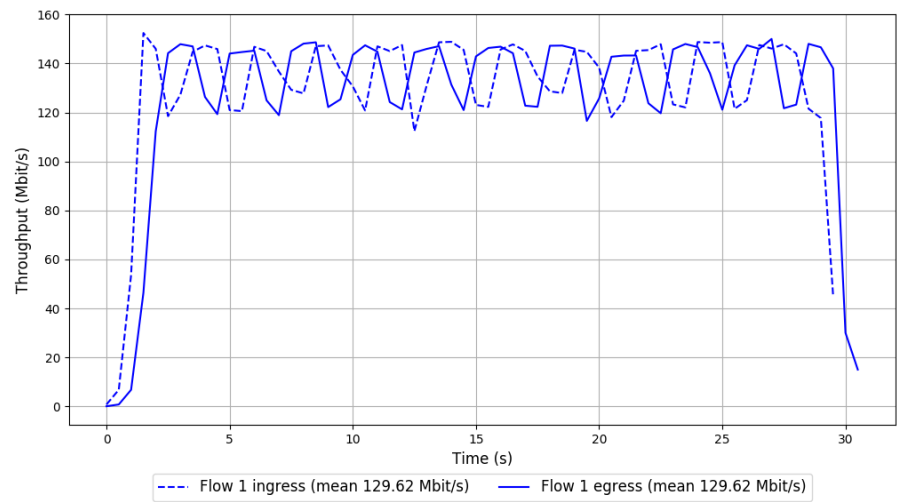
-- Flow 1:

Average throughput: 129.62 Mbit/s

95th percentile per-packet one-way delay: 100.042 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-31 23:46:14

End at: 2018-07-31 23:46:44

Local clock offset: 26.036 ms

Remote clock offset: 0.191 ms

Below is generated by plot.py at 2018-08-01 04:23:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 133.48 Mbit/s

95th percentile per-packet one-way delay: 100.408 ms

Loss rate: 0.00%

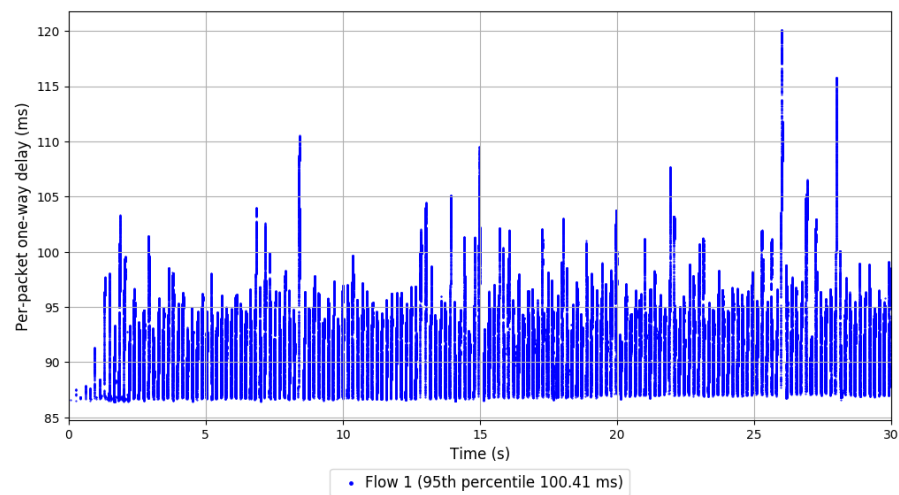
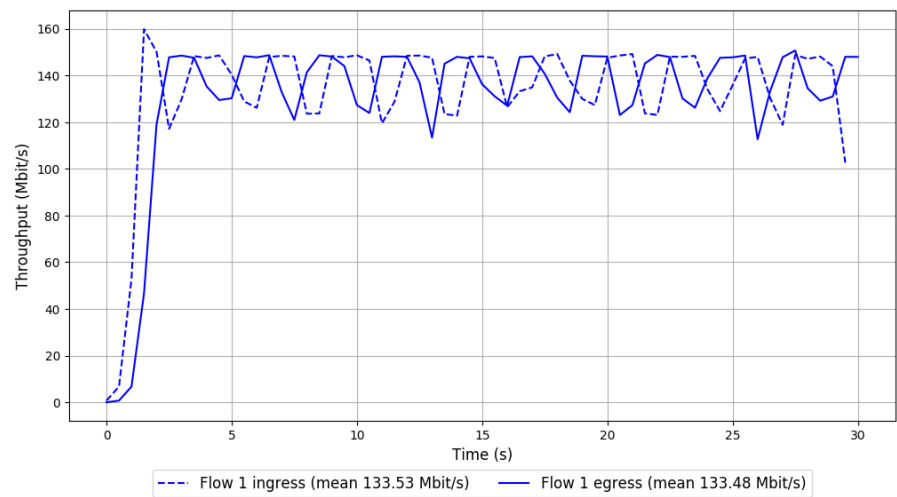
-- Flow 1:

Average throughput: 133.48 Mbit/s

95th percentile per-packet one-way delay: 100.408 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-08-01 00:09:01

End at: 2018-08-01 00:09:32

Local clock offset: 19.791 ms

Remote clock offset: 0.359 ms

Below is generated by plot.py at 2018-08-01 04:23:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 125.74 Mbit/s

95th percentile per-packet one-way delay: 95.297 ms

Loss rate: 0.00%

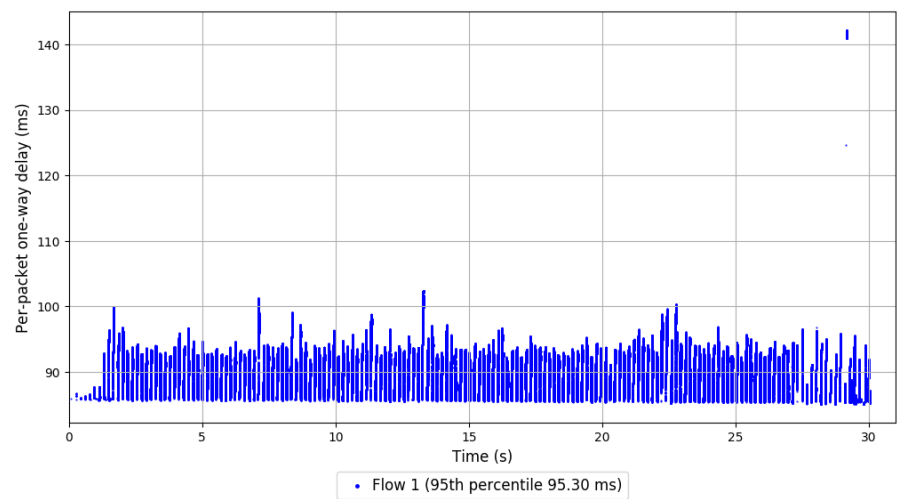
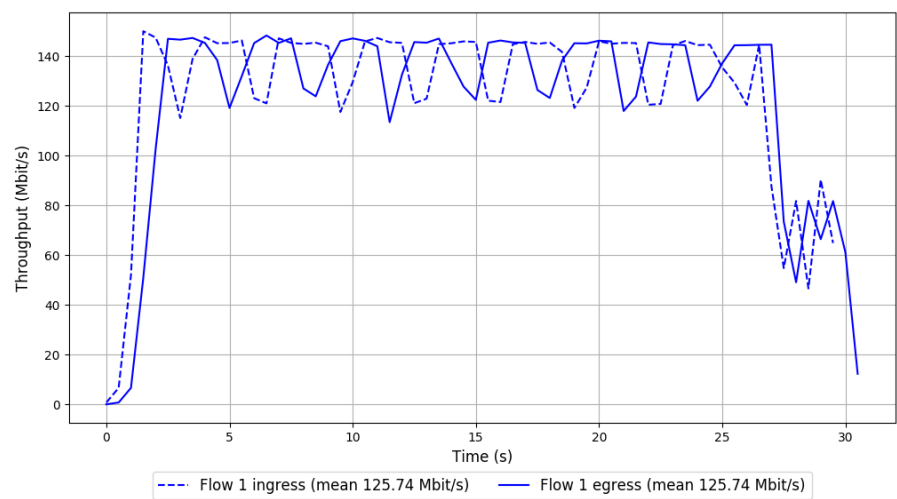
-- Flow 1:

Average throughput: 125.74 Mbit/s

95th percentile per-packet one-way delay: 95.297 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-08-01 00:31:48

End at: 2018-08-01 00:32:18

Local clock offset: 19.065 ms

Remote clock offset: 0.506 ms

Below is generated by plot.py at 2018-08-01 04:23:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 130.63 Mbit/s

95th percentile per-packet one-way delay: 97.226 ms

Loss rate: 0.00%

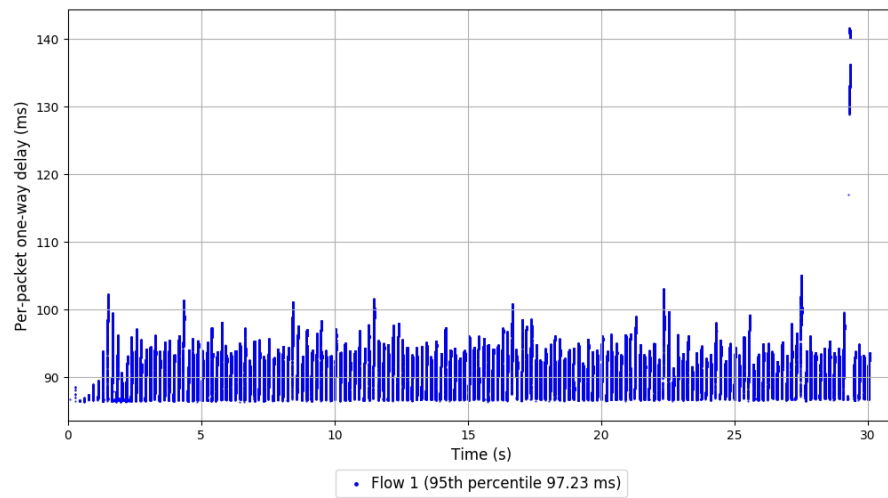
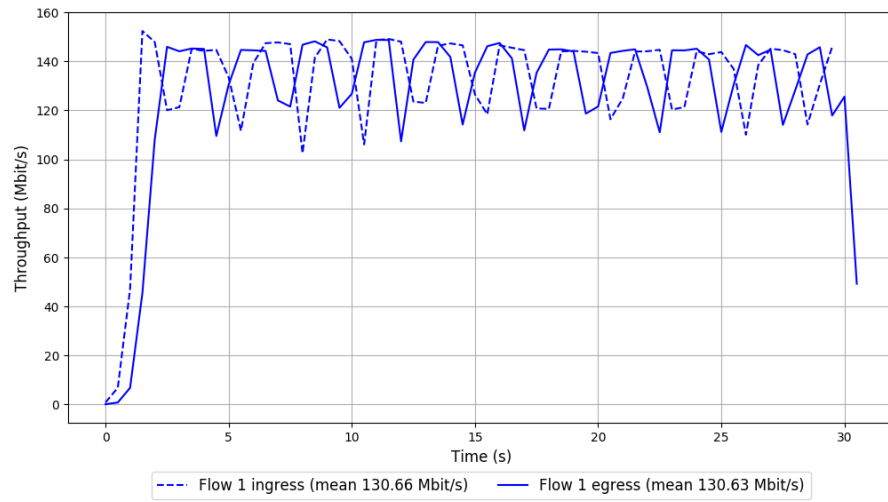
-- Flow 1:

Average throughput: 130.63 Mbit/s

95th percentile per-packet one-way delay: 97.226 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-08-01 00:54:31

End at: 2018-08-01 00:55:01

Local clock offset: 7.941 ms

Remote clock offset: 0.667 ms

Below is generated by plot.py at 2018-08-01 04:23:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.97 Mbit/s

95th percentile per-packet one-way delay: 97.082 ms

Loss rate: 0.00%

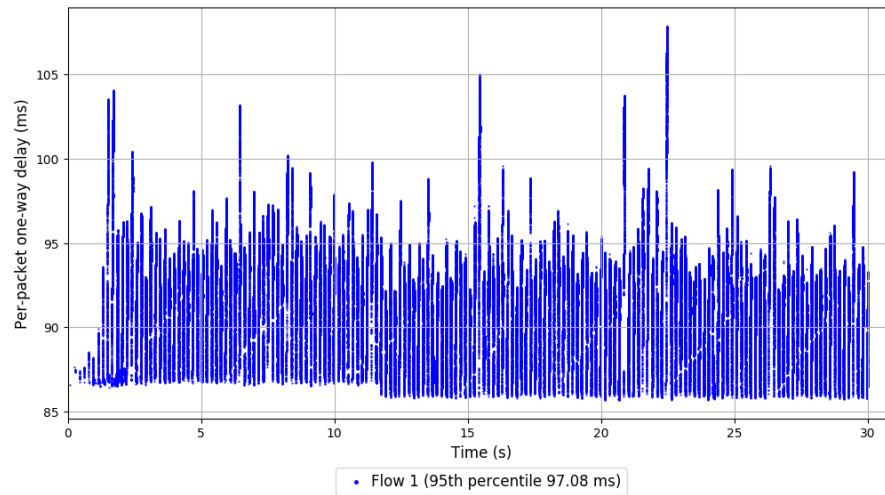
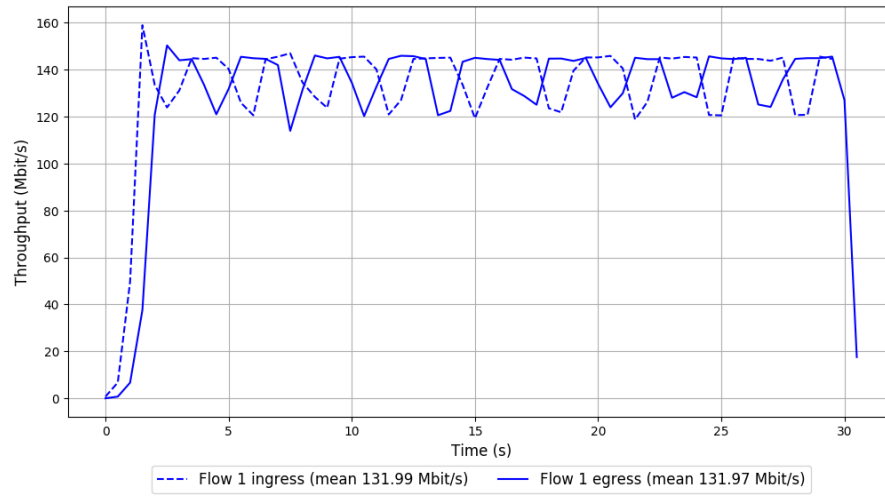
-- Flow 1:

Average throughput: 131.97 Mbit/s

95th percentile per-packet one-way delay: 97.082 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-08-01 01:17:24

End at: 2018-08-01 01:17:54

Local clock offset: 4.989 ms

Remote clock offset: 0.197 ms

Below is generated by plot.py at 2018-08-01 04:23:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.28 Mbit/s

95th percentile per-packet one-way delay: 87.911 ms

Loss rate: 0.00%

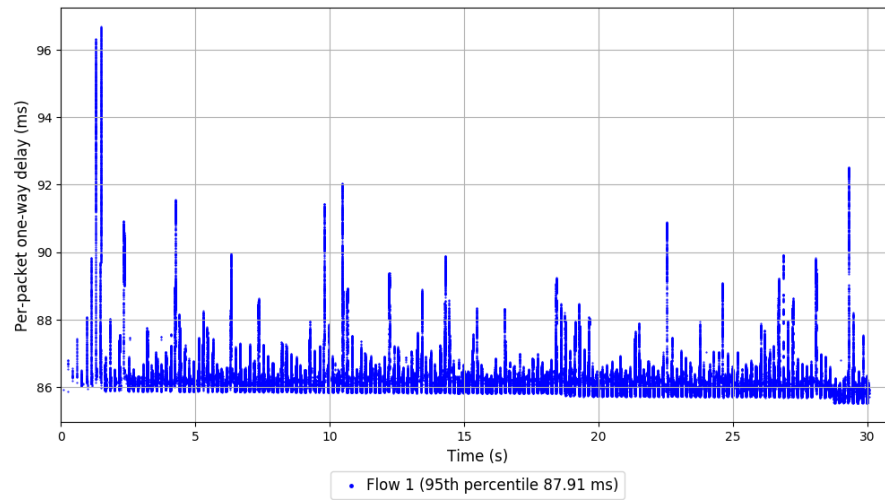
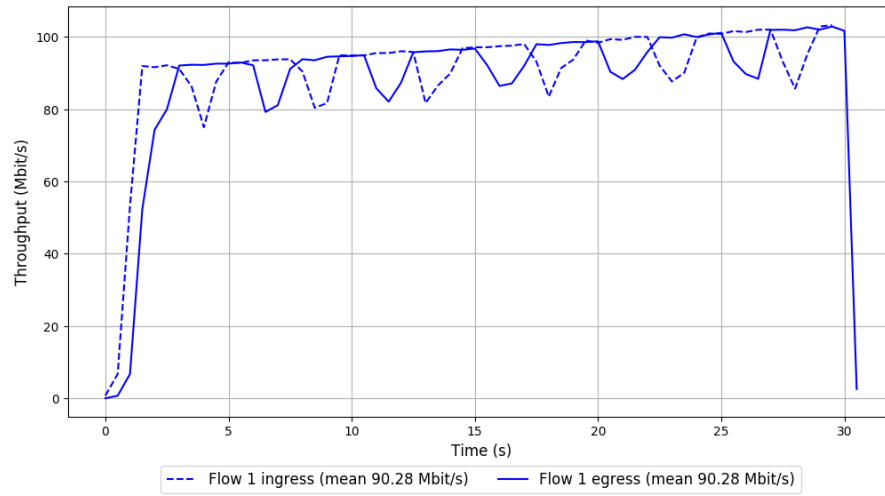
-- Flow 1:

Average throughput: 90.28 Mbit/s

95th percentile per-packet one-way delay: 87.911 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

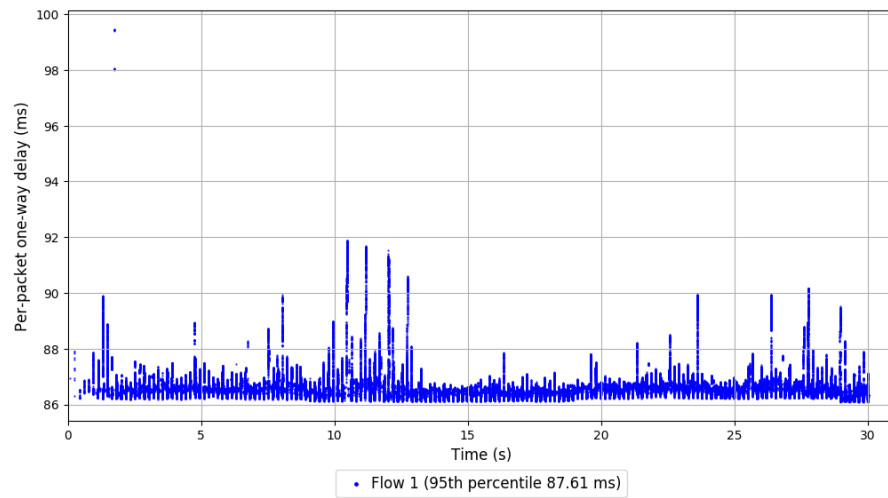
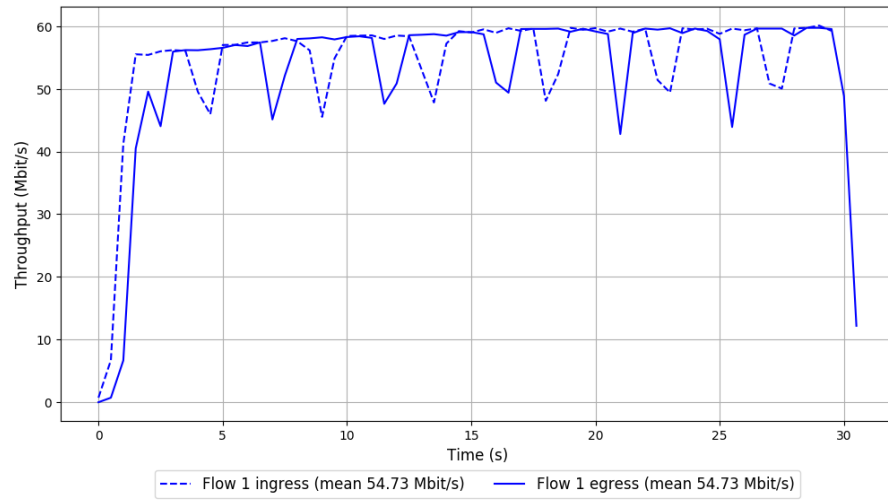


Run 8: Statistics of TCP Vegas

Start at: 2018-08-01 01:39:44
End at: 2018-08-01 01:40:14
Local clock offset: 4.464 ms
Remote clock offset: -0.208 ms

Below is generated by plot.py at 2018-08-01 04:23:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 54.73 Mbit/s
95th percentile per-packet one-way delay: 87.612 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.73 Mbit/s
95th percentile per-packet one-way delay: 87.612 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

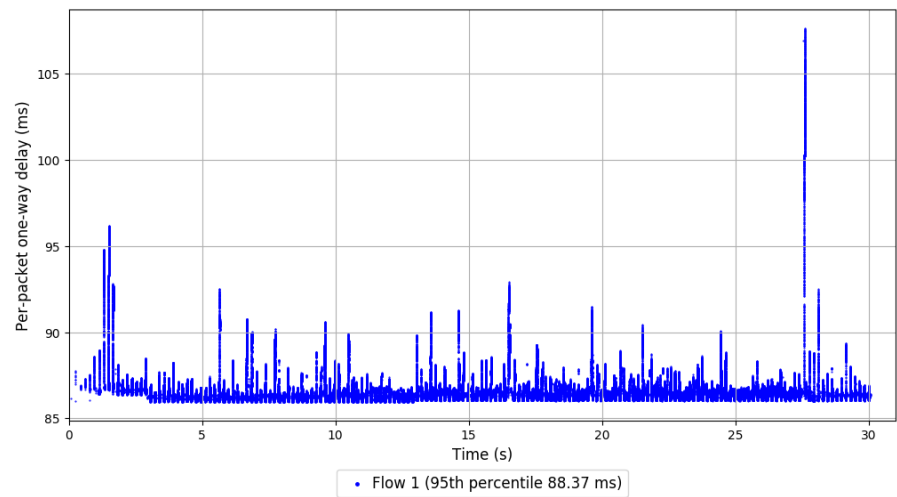
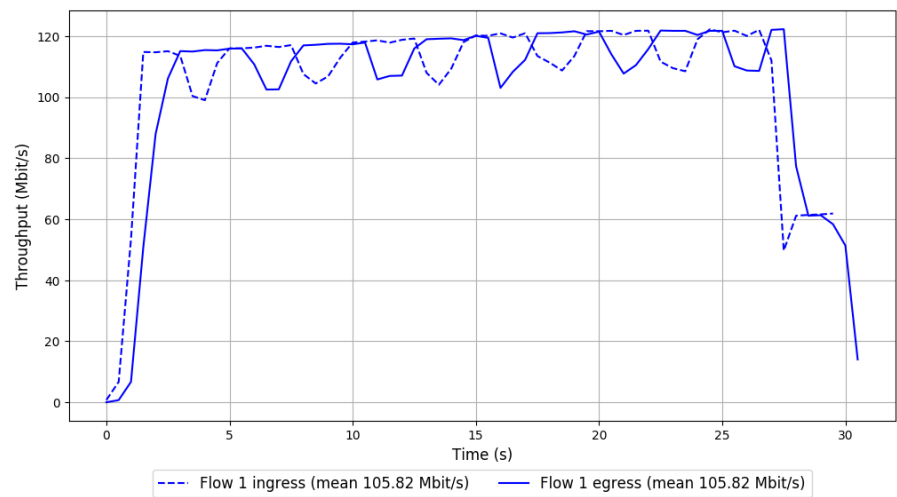


Run 9: Statistics of TCP Vegas

Start at: 2018-08-01 02:02:10
End at: 2018-08-01 02:02:40
Local clock offset: 1.179 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-08-01 04:23:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 105.82 Mbit/s
95th percentile per-packet one-way delay: 88.369 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 105.82 Mbit/s
95th percentile per-packet one-way delay: 88.369 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-08-01 02:24:34

End at: 2018-08-01 02:25:04

Local clock offset: 0.544 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-08-01 04:23:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.82 Mbit/s

95th percentile per-packet one-way delay: 97.990 ms

Loss rate: 0.08%

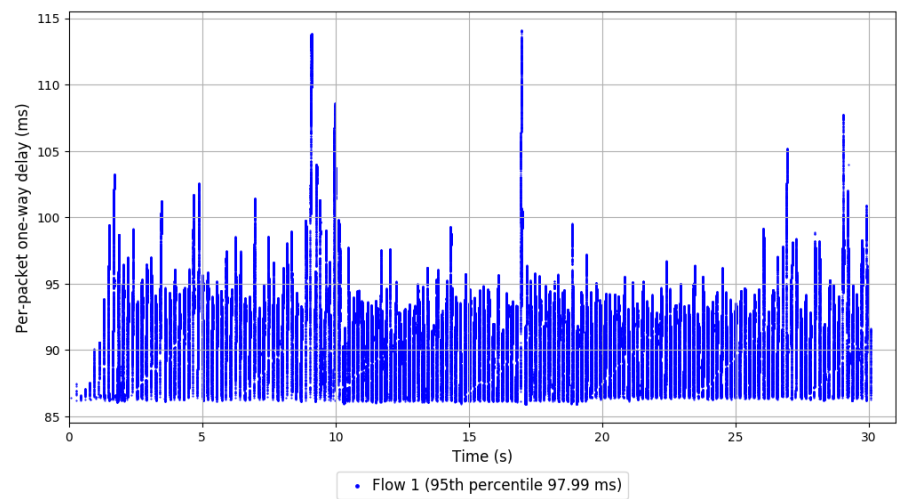
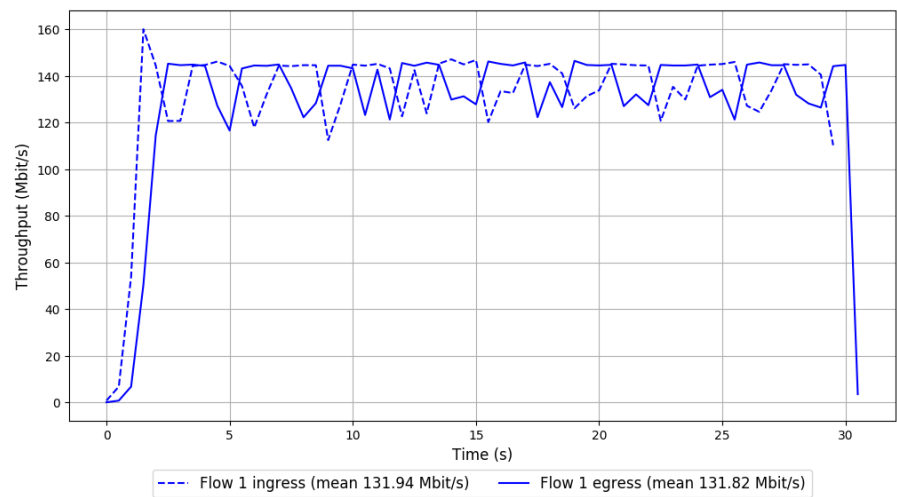
-- Flow 1:

Average throughput: 131.82 Mbit/s

95th percentile per-packet one-way delay: 97.990 ms

Loss rate: 0.08%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-31 23:14:54

End at: 2018-07-31 23:15:24

Local clock offset: 13.62 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-08-01 04:25:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.62 Mbit/s

95th percentile per-packet one-way delay: 140.841 ms

Loss rate: 0.00%

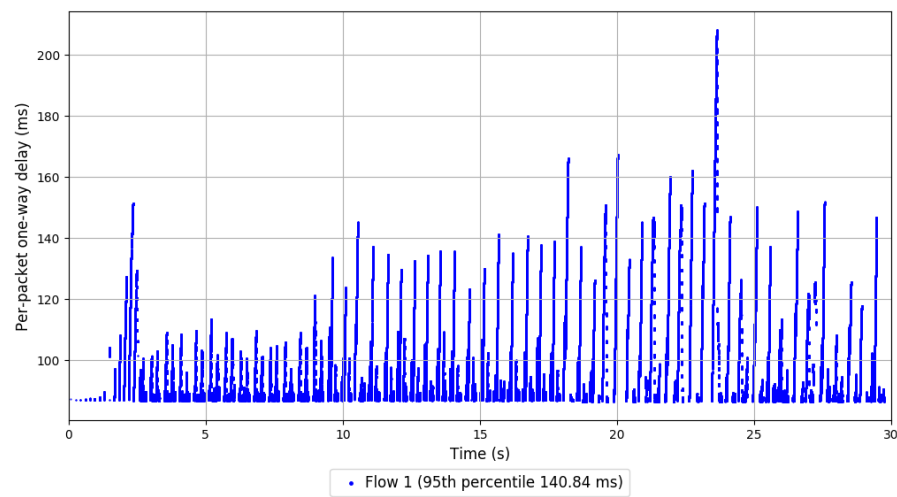
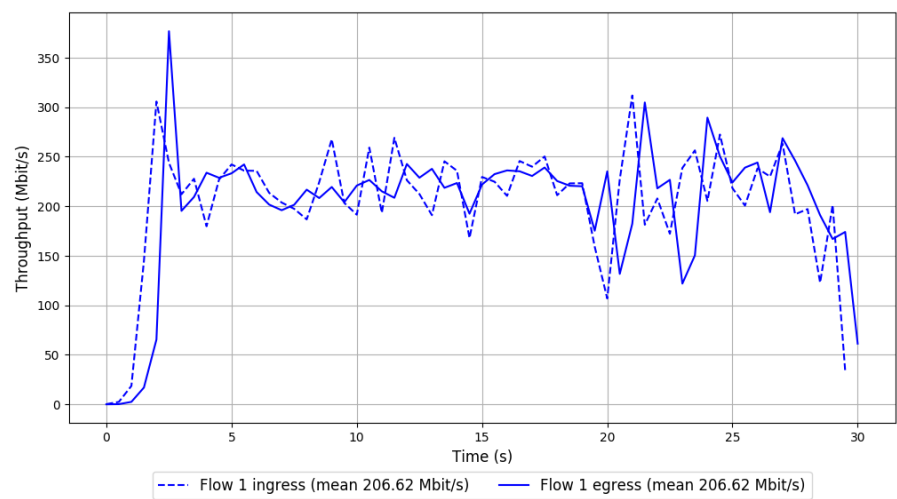
-- Flow 1:

Average throughput: 206.62 Mbit/s

95th percentile per-packet one-way delay: 140.841 ms

Loss rate: 0.00%

Run 1: Report of Verus — Data Link

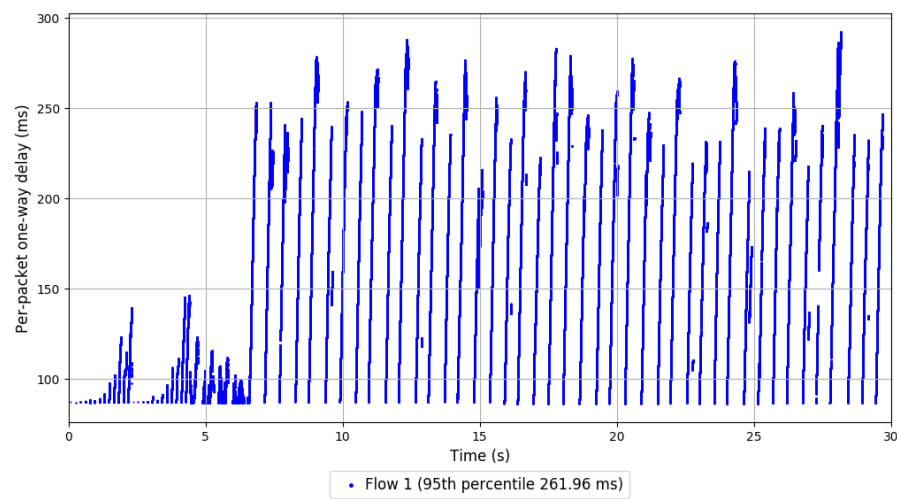
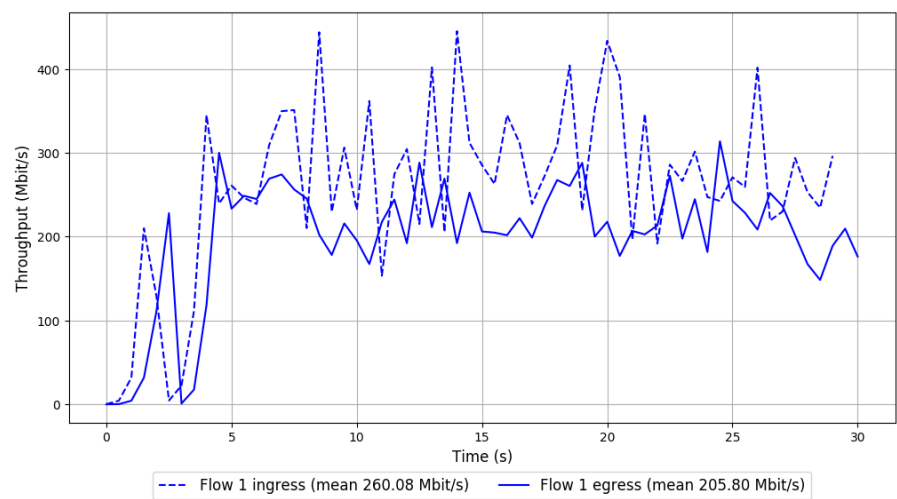


Run 2: Statistics of Verus

Start at: 2018-07-31 23:37:17
End at: 2018-07-31 23:37:47
Local clock offset: 20.268 ms
Remote clock offset: 0.138 ms

Below is generated by plot.py at 2018-08-01 04:26:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.80 Mbit/s
95th percentile per-packet one-way delay: 261.959 ms
Loss rate: 20.48%
-- Flow 1:
Average throughput: 205.80 Mbit/s
95th percentile per-packet one-way delay: 261.959 ms
Loss rate: 20.48%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-31 23:59:54

End at: 2018-08-01 00:00:24

Local clock offset: 39.814 ms

Remote clock offset: 0.227 ms

Below is generated by plot.py at 2018-08-01 04:26:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.31 Mbit/s

95th percentile per-packet one-way delay: 147.868 ms

Loss rate: 1.61%

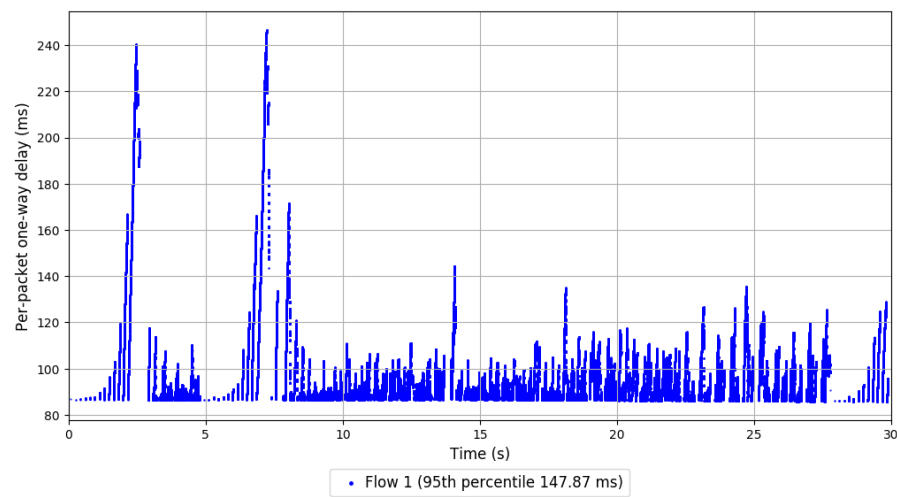
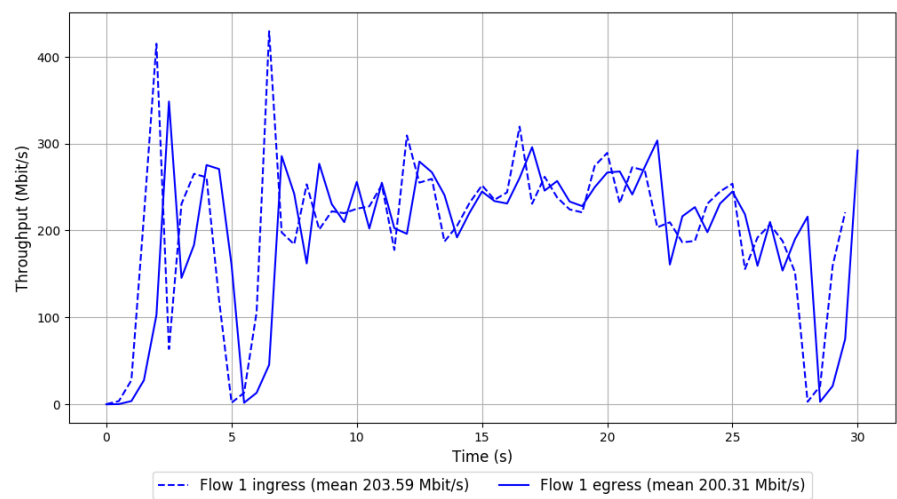
-- Flow 1:

Average throughput: 200.31 Mbit/s

95th percentile per-packet one-way delay: 147.868 ms

Loss rate: 1.61%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-08-01 00:22:43

End at: 2018-08-01 00:23:13

Local clock offset: 15.824 ms

Remote clock offset: 0.465 ms

Below is generated by plot.py at 2018-08-01 04:26:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 245.83 Mbit/s

95th percentile per-packet one-way delay: 176.274 ms

Loss rate: 0.82%

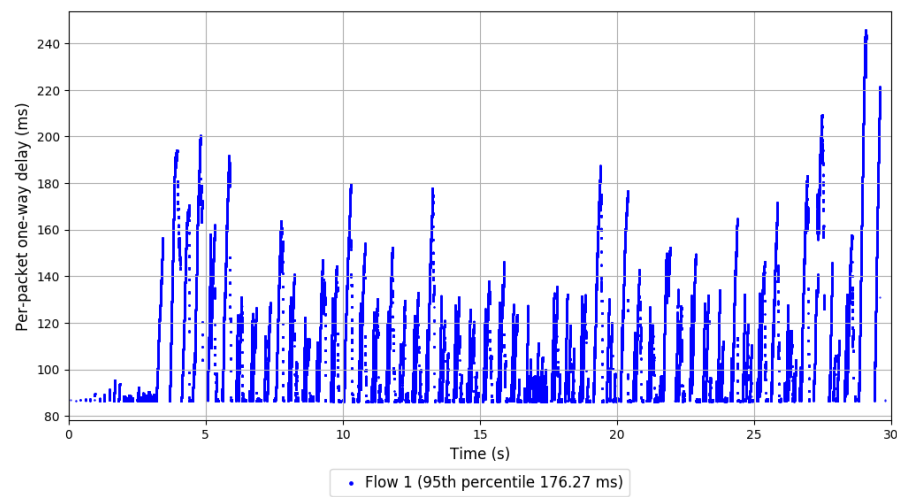
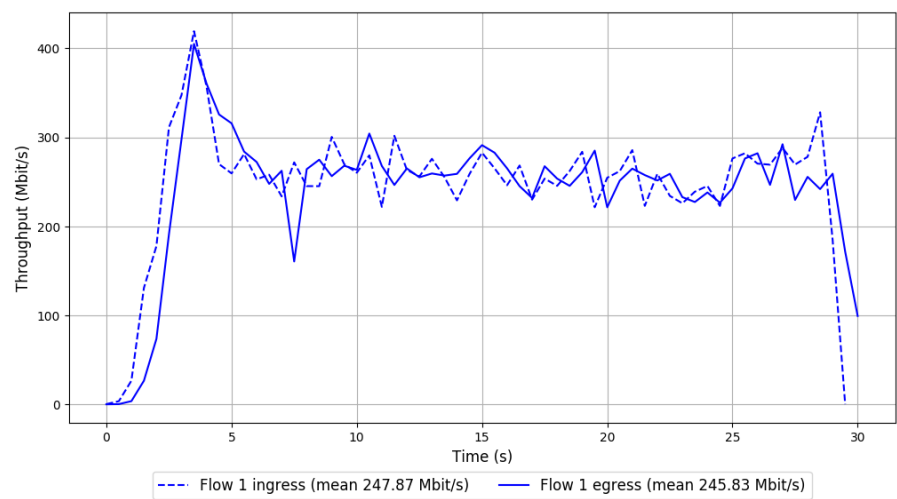
-- Flow 1:

Average throughput: 245.83 Mbit/s

95th percentile per-packet one-way delay: 176.274 ms

Loss rate: 0.82%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-08-01 00:45:28

End at: 2018-08-01 00:45:58

Local clock offset: 8.836 ms

Remote clock offset: 0.657 ms

Below is generated by plot.py at 2018-08-01 04:26:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 202.69 Mbit/s

95th percentile per-packet one-way delay: 234.922 ms

Loss rate: 17.63%

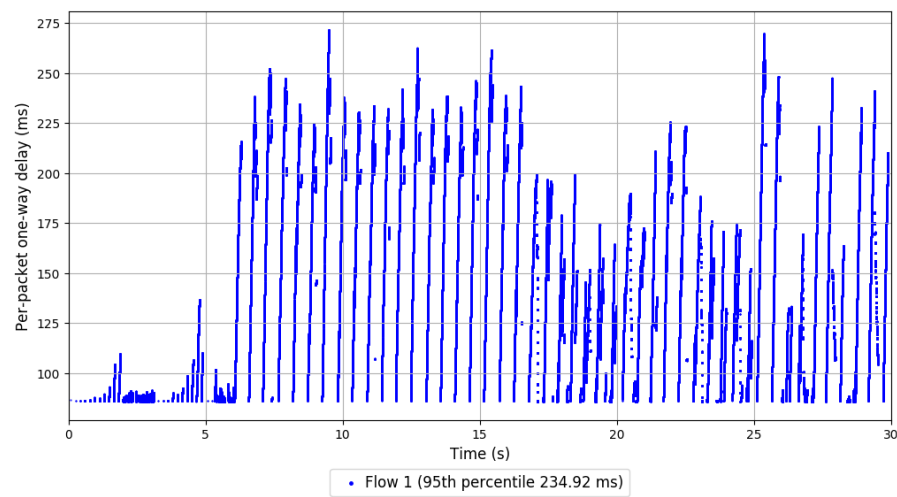
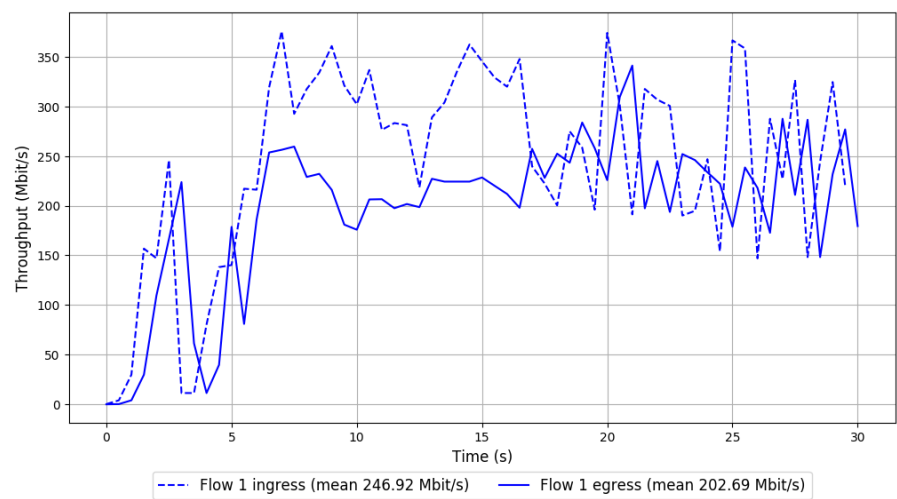
-- Flow 1:

Average throughput: 202.69 Mbit/s

95th percentile per-packet one-way delay: 234.922 ms

Loss rate: 17.63%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-08-01 01:08:24

End at: 2018-08-01 01:08:54

Local clock offset: 10.001 ms

Remote clock offset: 0.815 ms

Below is generated by plot.py at 2018-08-01 04:26:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 149.19 Mbit/s

95th percentile per-packet one-way delay: 154.159 ms

Loss rate: 1.93%

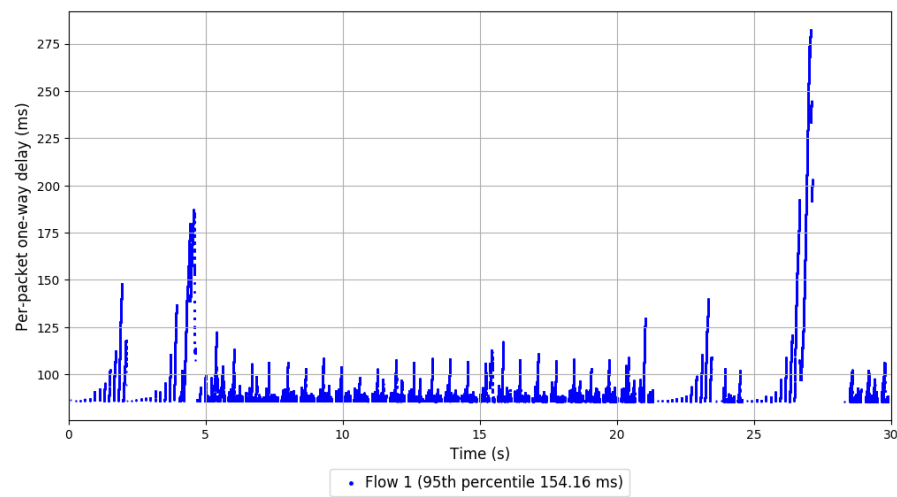
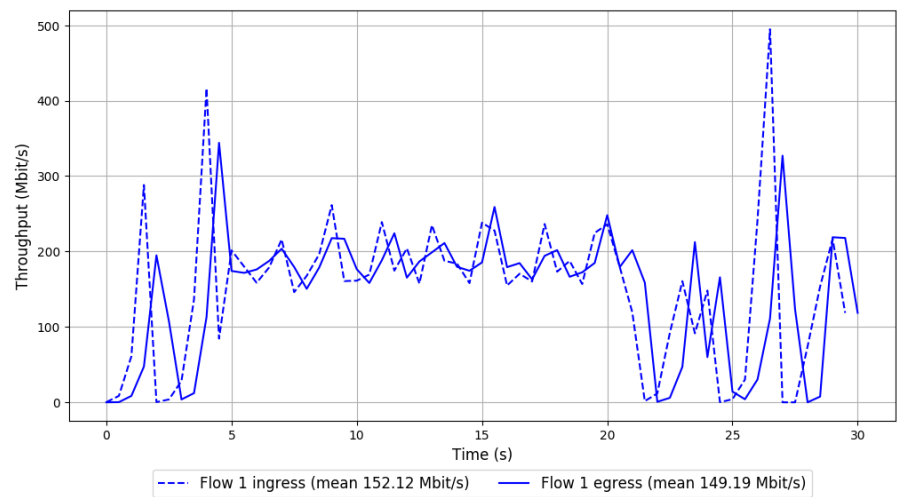
-- Flow 1:

Average throughput: 149.19 Mbit/s

95th percentile per-packet one-way delay: 154.159 ms

Loss rate: 1.93%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-08-01 01:30:43

End at: 2018-08-01 01:31:13

Local clock offset: 3.564 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-08-01 04:26:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 147.01 Mbit/s

95th percentile per-packet one-way delay: 150.355 ms

Loss rate: 0.19%

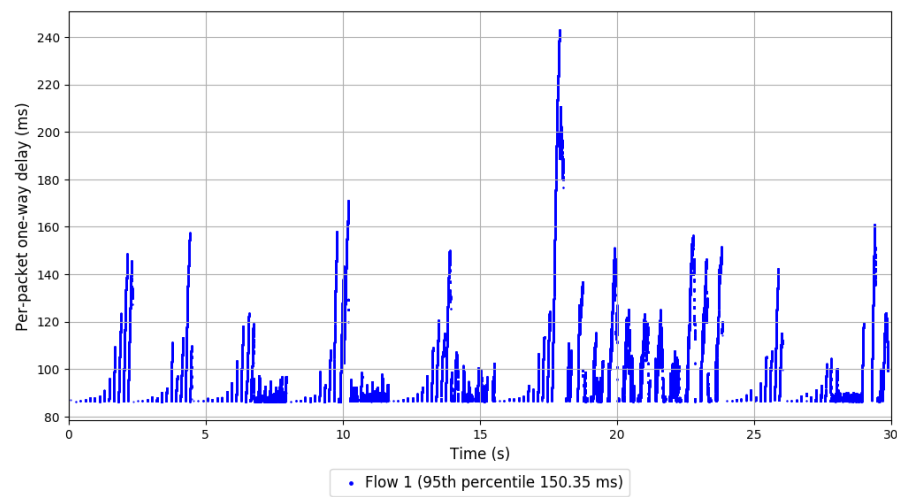
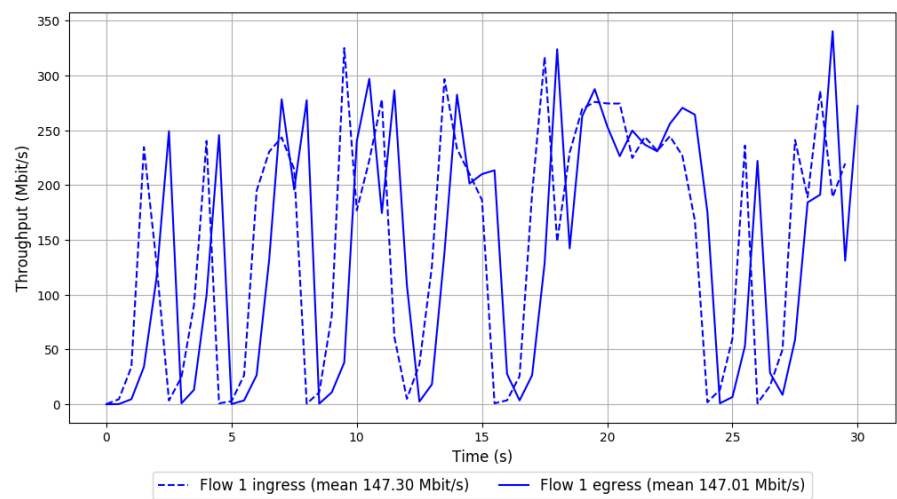
-- Flow 1:

Average throughput: 147.01 Mbit/s

95th percentile per-packet one-way delay: 150.355 ms

Loss rate: 0.19%

Run 7: Report of Verus — Data Link

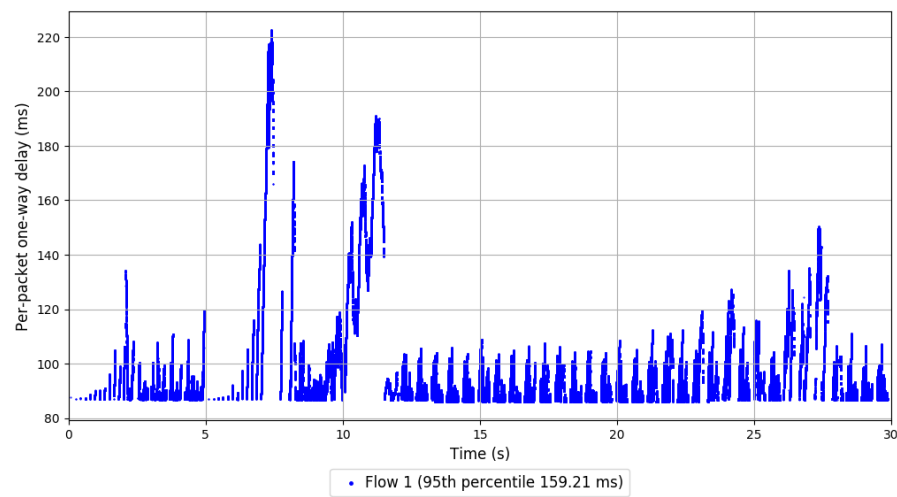
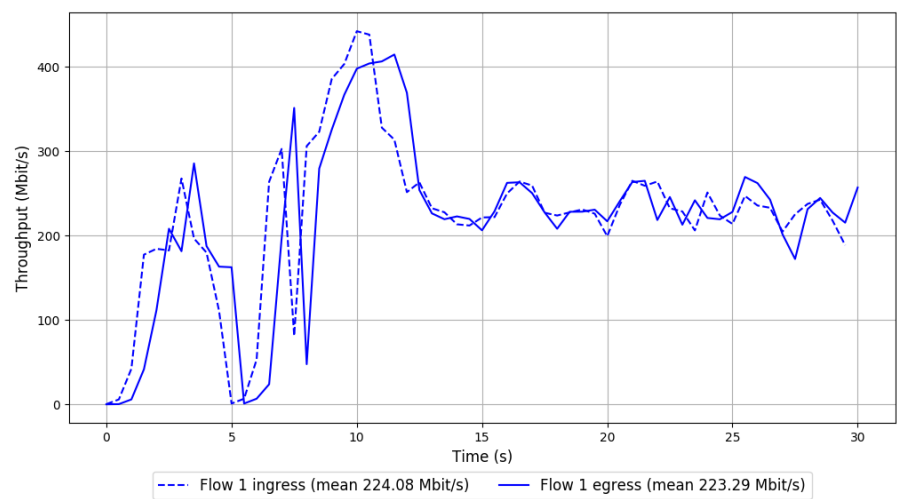


Run 8: Statistics of Verus

Start at: 2018-08-01 01:53:10
End at: 2018-08-01 01:53:40
Local clock offset: 1.695 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-08-01 04:27:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 223.29 Mbit/s
95th percentile per-packet one-way delay: 159.206 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 223.29 Mbit/s
95th percentile per-packet one-way delay: 159.206 ms
Loss rate: 0.36%

Run 8: Report of Verus — Data Link

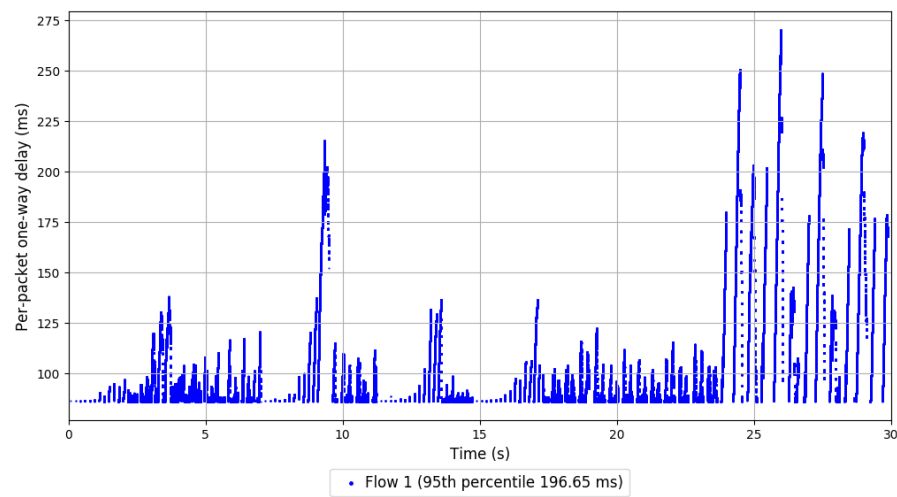
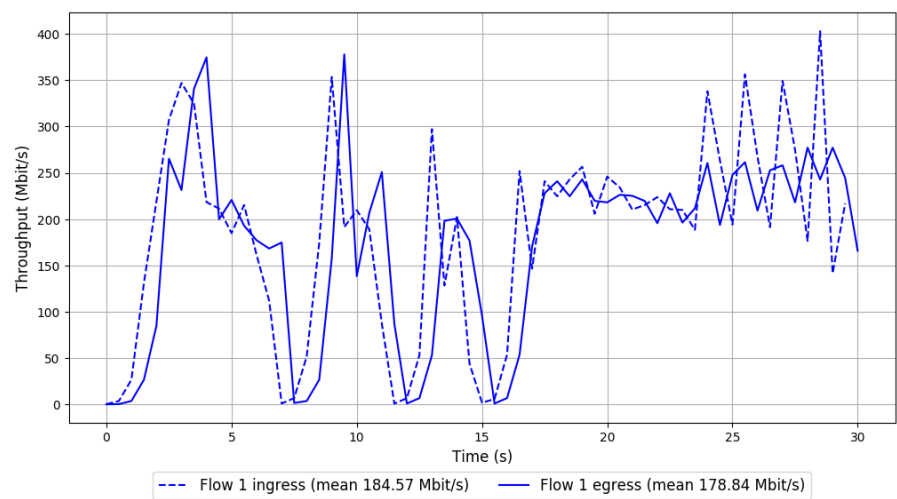


Run 9: Statistics of Verus

Start at: 2018-08-01 02:15:35
End at: 2018-08-01 02:16:06
Local clock offset: 1.223 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-08-01 04:28:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 178.84 Mbit/s
95th percentile per-packet one-way delay: 196.646 ms
Loss rate: 3.09%
-- Flow 1:
Average throughput: 178.84 Mbit/s
95th percentile per-packet one-way delay: 196.646 ms
Loss rate: 3.09%

Run 9: Report of Verus — Data Link

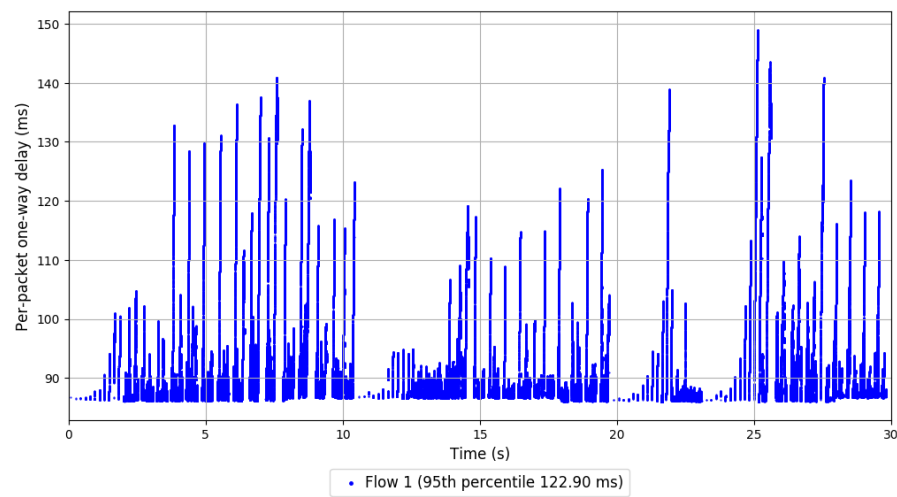
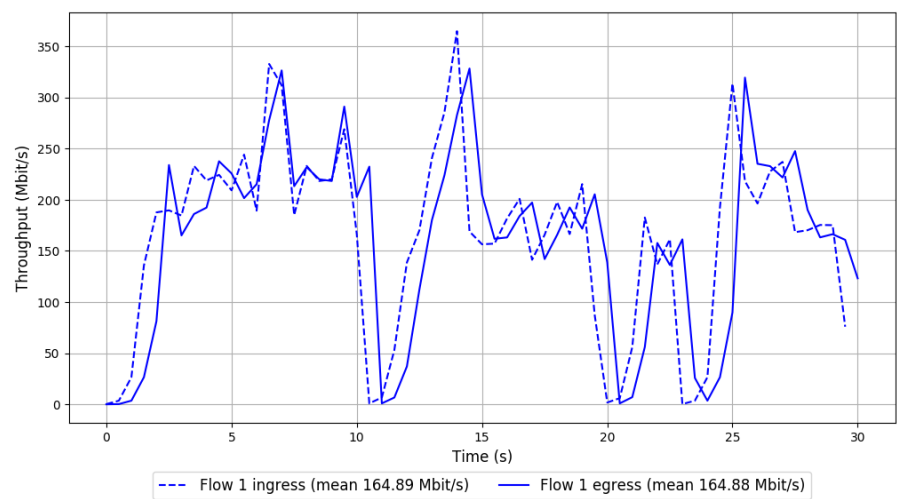


Run 10: Statistics of Verus

Start at: 2018-08-01 02:38:05
End at: 2018-08-01 02:38:35
Local clock offset: 0.307 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-08-01 04:28:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 164.88 Mbit/s
95th percentile per-packet one-way delay: 122.897 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 164.88 Mbit/s
95th percentile per-packet one-way delay: 122.897 ms
Loss rate: 0.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-31 23:06:57

End at: 2018-07-31 23:07:27

Local clock offset: 13.792 ms

Remote clock offset: 0.057 ms

Below is generated by plot.py at 2018-08-01 04:32:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 353.36 Mbit/s

95th percentile per-packet one-way delay: 111.175 ms

Loss rate: 0.00%

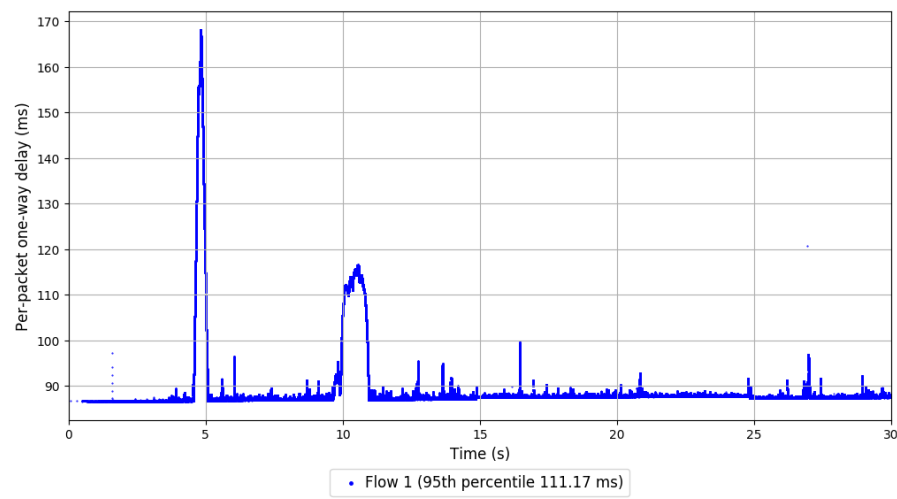
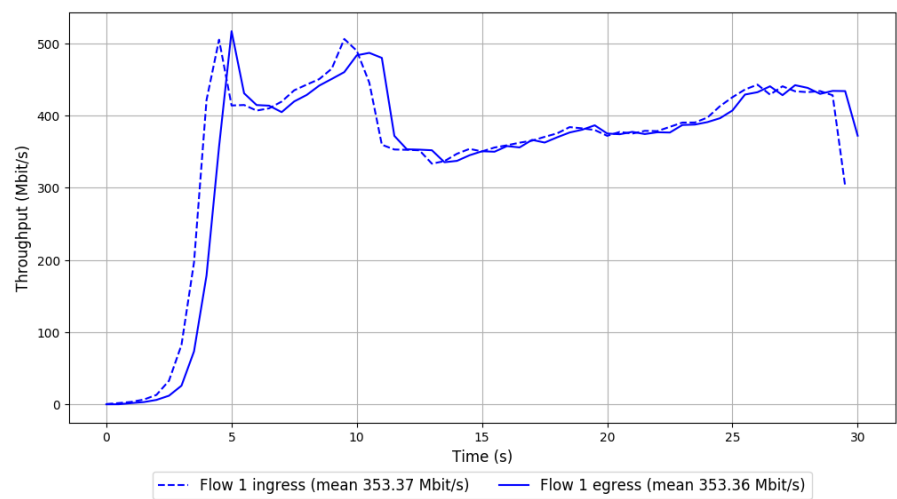
-- Flow 1:

Average throughput: 353.36 Mbit/s

95th percentile per-packet one-way delay: 111.175 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-31 23:29:18

End at: 2018-07-31 23:29:48

Local clock offset: 22.914 ms

Remote clock offset: 0.103 ms

Below is generated by plot.py at 2018-08-01 04:32:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 240.67 Mbit/s

95th percentile per-packet one-way delay: 91.828 ms

Loss rate: 0.00%

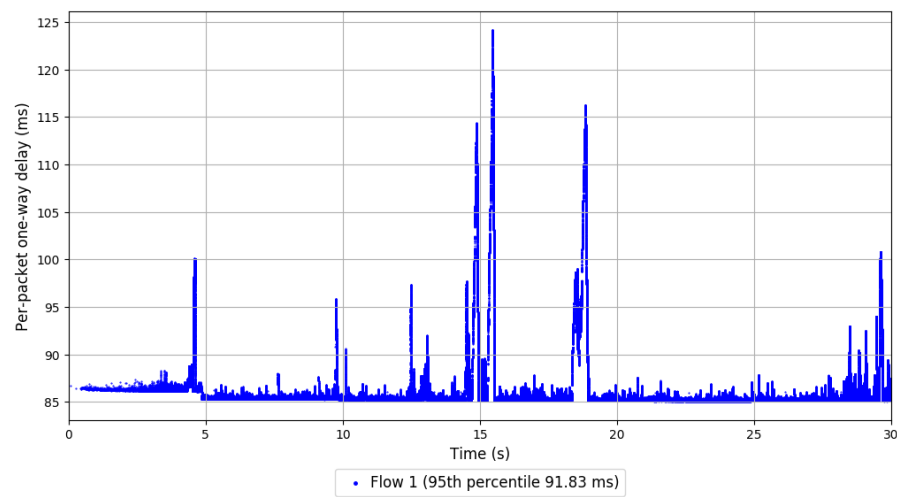
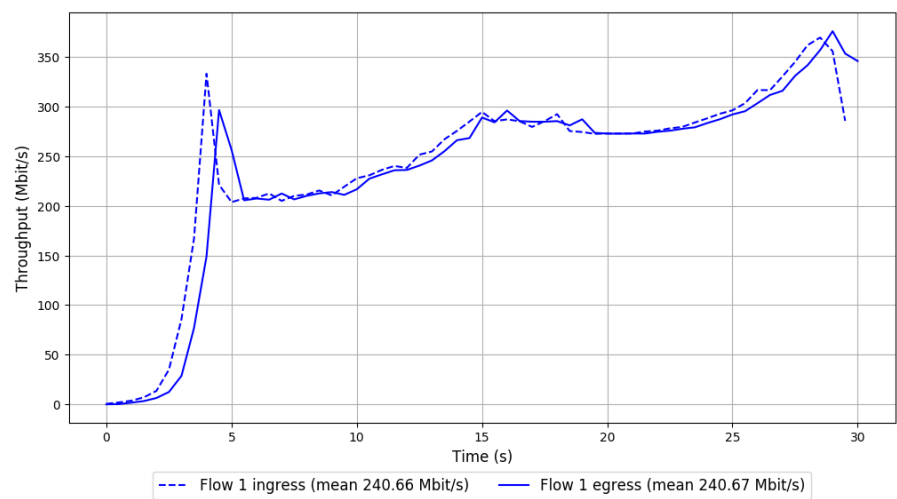
-- Flow 1:

Average throughput: 240.67 Mbit/s

95th percentile per-packet one-way delay: 91.828 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-31 23:51:34

End at: 2018-07-31 23:52:04

Local clock offset: 30.853 ms

Remote clock offset: 0.237 ms

Below is generated by plot.py at 2018-08-01 04:32:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 349.01 Mbit/s

95th percentile per-packet one-way delay: 205.747 ms

Loss rate: 0.97%

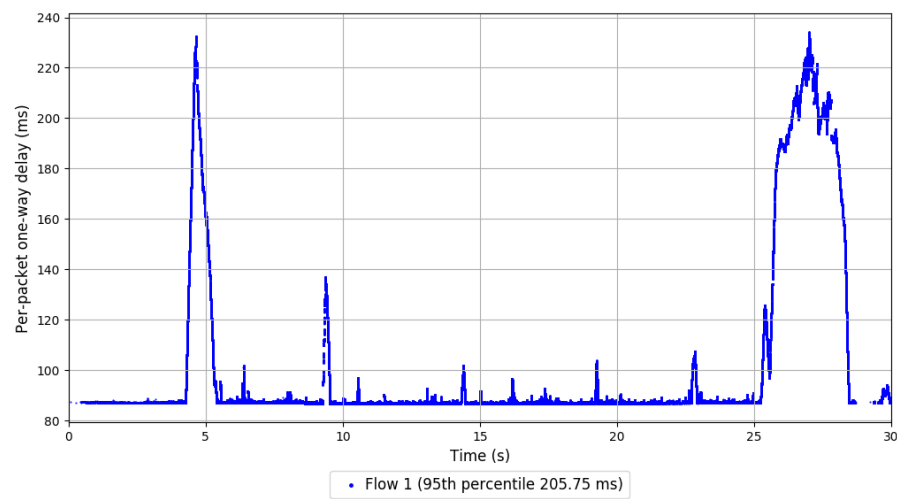
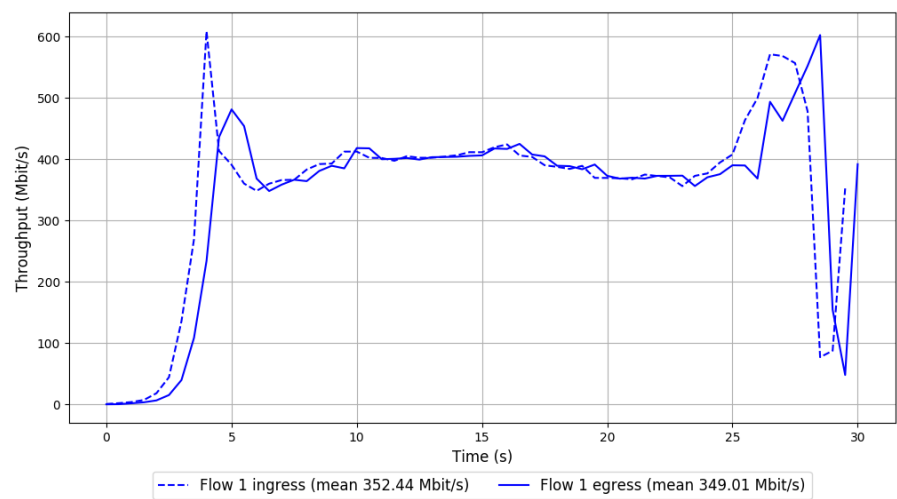
-- Flow 1:

Average throughput: 349.01 Mbit/s

95th percentile per-packet one-way delay: 205.747 ms

Loss rate: 0.97%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-08-01 00:14:31

End at: 2018-08-01 00:15:01

Local clock offset: 15.963 ms

Remote clock offset: 0.387 ms

Below is generated by plot.py at 2018-08-01 04:32:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 340.48 Mbit/s

95th percentile per-packet one-way delay: 94.862 ms

Loss rate: 0.00%

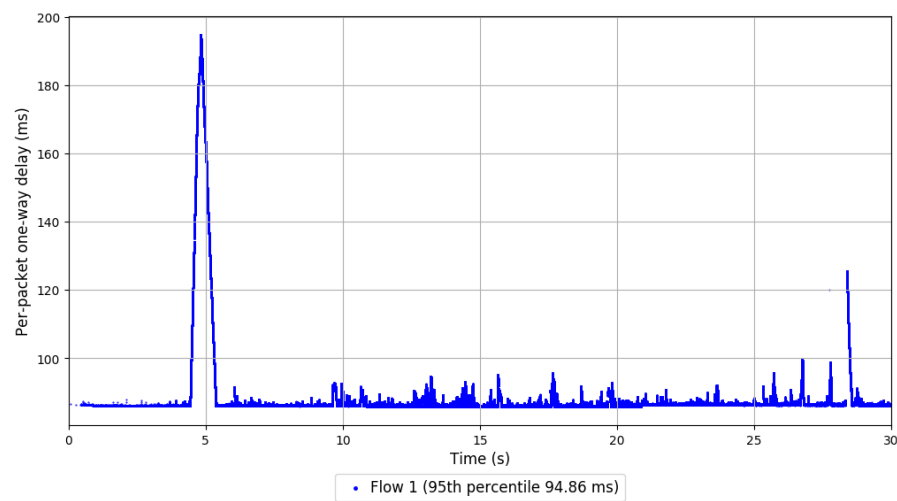
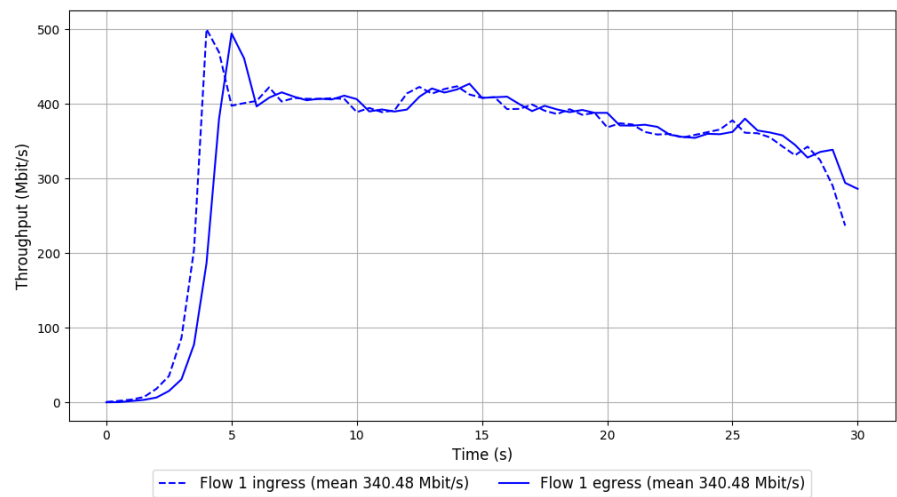
-- Flow 1:

Average throughput: 340.48 Mbit/s

95th percentile per-packet one-way delay: 94.862 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-08-01 00:37:20

End at: 2018-08-01 00:37:50

Local clock offset: 15.633 ms

Remote clock offset: 0.554 ms

Below is generated by plot.py at 2018-08-01 04:32:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 317.11 Mbit/s

95th percentile per-packet one-way delay: 128.177 ms

Loss rate: 0.02%

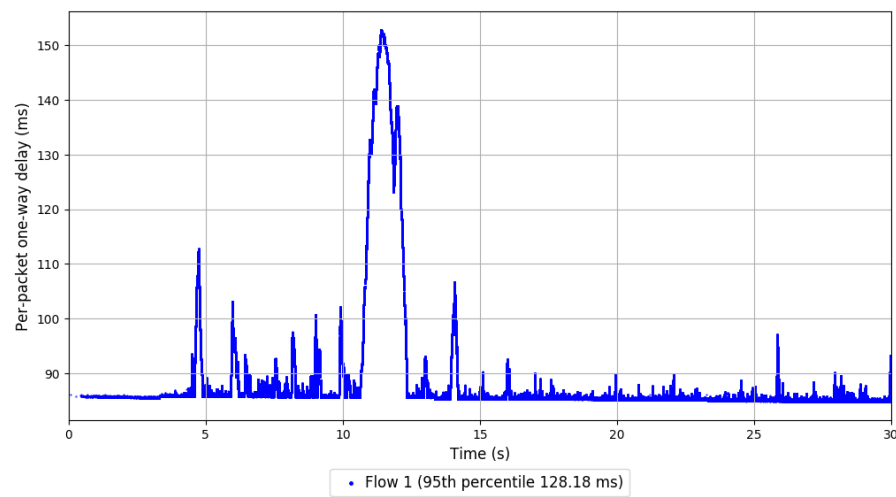
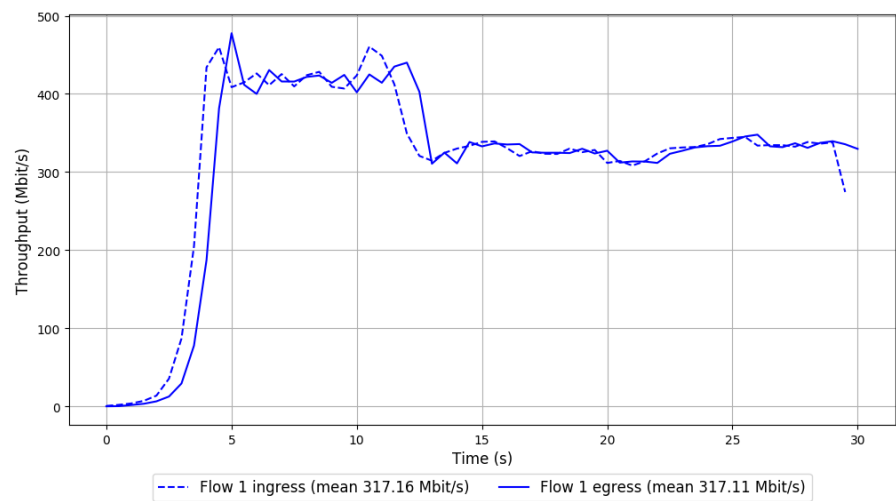
-- Flow 1:

Average throughput: 317.11 Mbit/s

95th percentile per-packet one-way delay: 128.177 ms

Loss rate: 0.02%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-08-01 01:00:05

End at: 2018-08-01 01:00:35

Local clock offset: 8.298 ms

Remote clock offset: 0.73 ms

Below is generated by plot.py at 2018-08-01 04:33:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 334.53 Mbit/s

95th percentile per-packet one-way delay: 98.816 ms

Loss rate: 0.20%

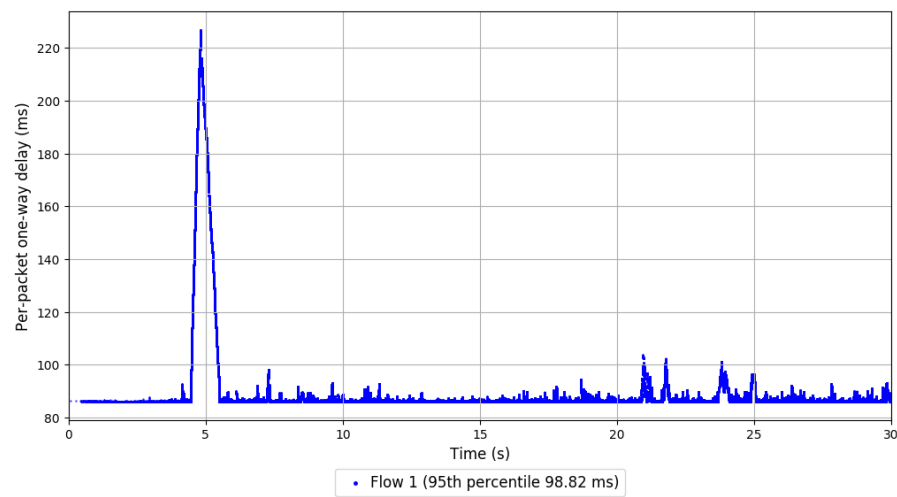
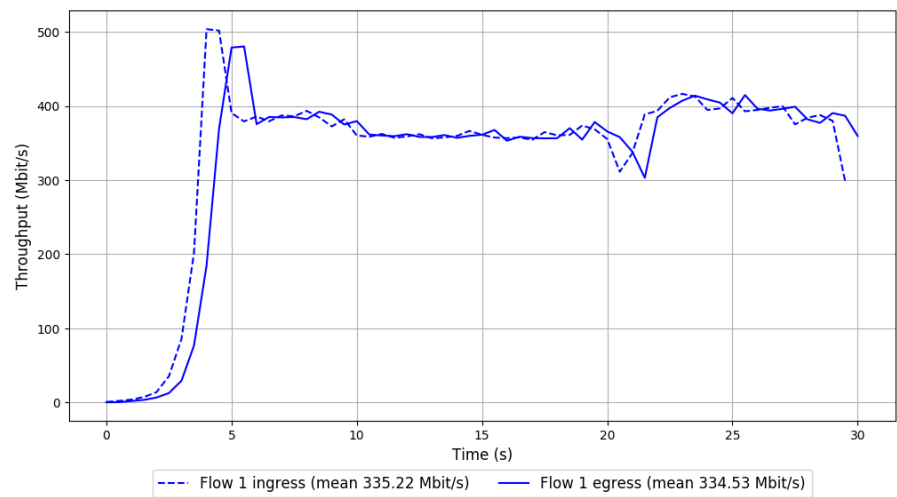
-- Flow 1:

Average throughput: 334.53 Mbit/s

95th percentile per-packet one-way delay: 98.816 ms

Loss rate: 0.20%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-08-01 01:22:41

End at: 2018-08-01 01:23:11

Local clock offset: 3.898 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2018-08-01 04:33:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 254.25 Mbit/s

95th percentile per-packet one-way delay: 88.231 ms

Loss rate: 0.00%

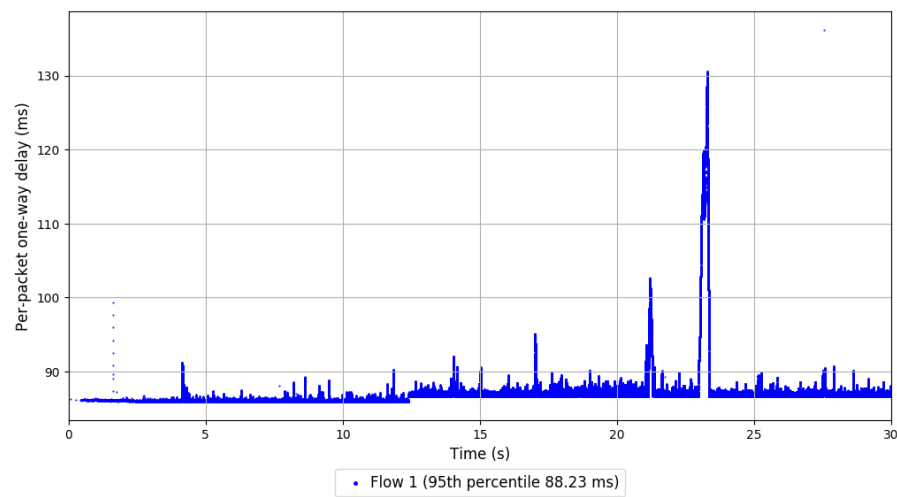
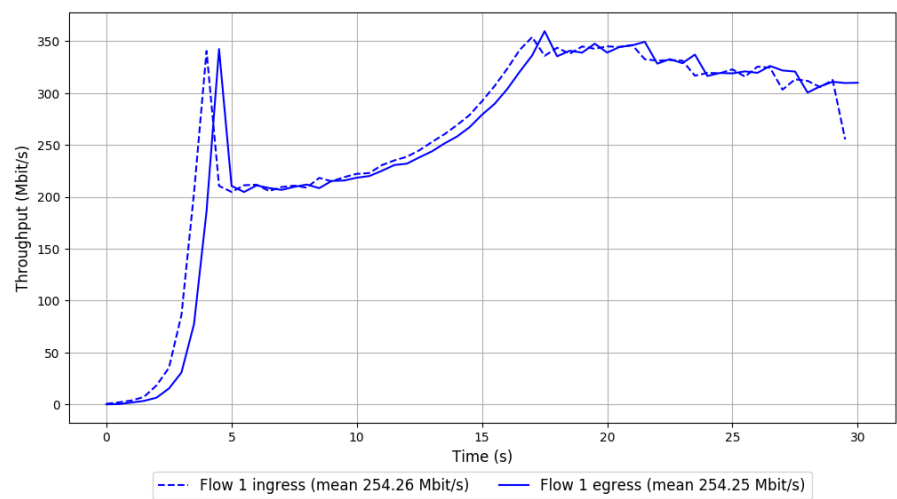
-- Flow 1:

Average throughput: 254.25 Mbit/s

95th percentile per-packet one-way delay: 88.231 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-08-01 01:45:03

End at: 2018-08-01 01:45:33

Local clock offset: 4.115 ms

Remote clock offset: -0.203 ms

Below is generated by plot.py at 2018-08-01 04:33:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 321.90 Mbit/s

95th percentile per-packet one-way delay: 132.897 ms

Loss rate: 0.00%

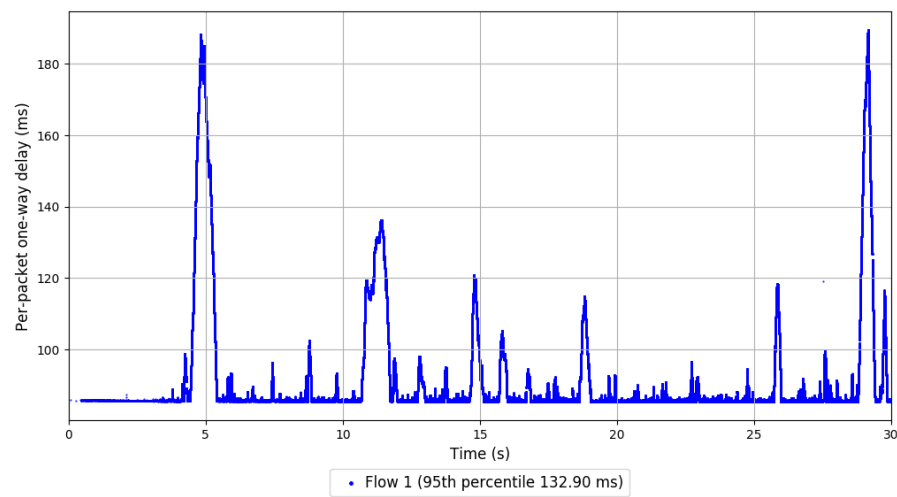
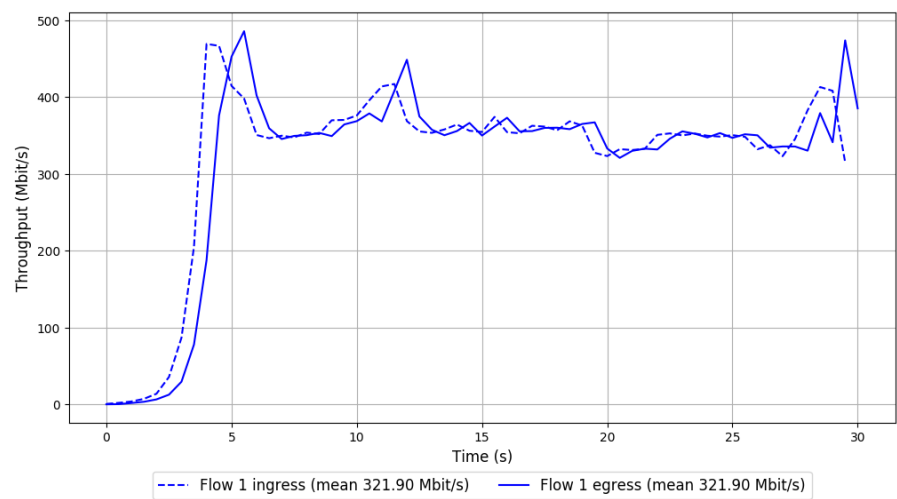
-- Flow 1:

Average throughput: 321.90 Mbit/s

95th percentile per-packet one-way delay: 132.897 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link

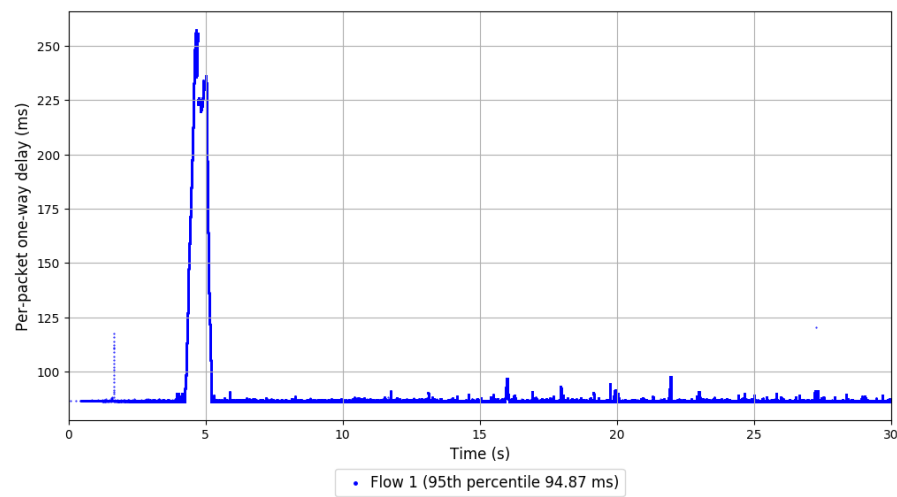
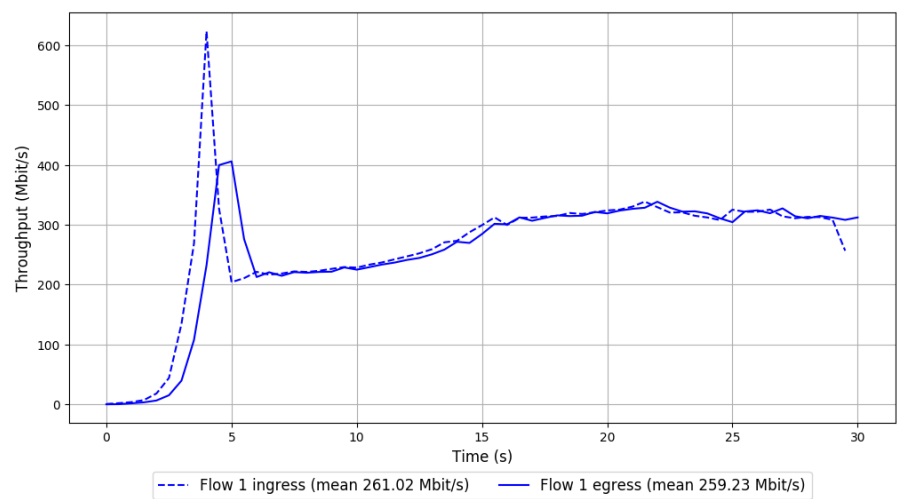


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-01 02:07:30
End at: 2018-08-01 02:08:00
Local clock offset: 0.98 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-08-01 04:33:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 259.23 Mbit/s
95th percentile per-packet one-way delay: 94.868 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 259.23 Mbit/s
95th percentile per-packet one-way delay: 94.868 ms
Loss rate: 0.69%

Run 9: Report of PCC-Vivace — Data Link

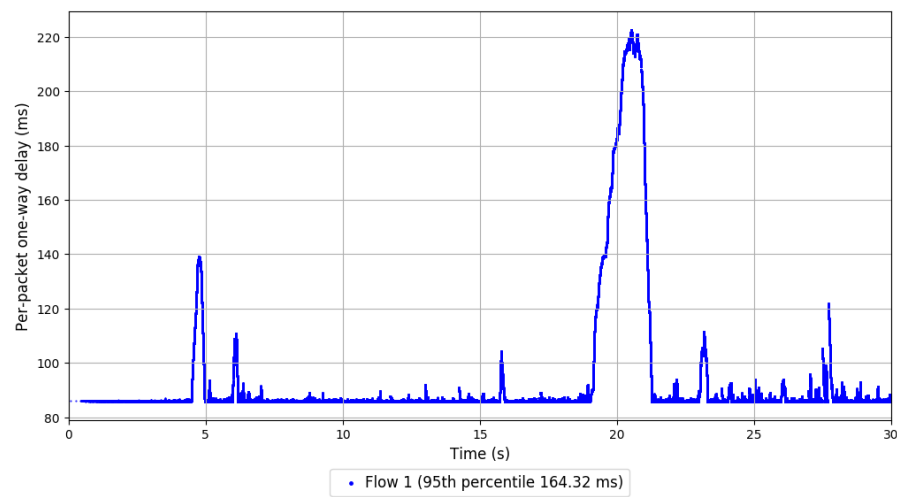
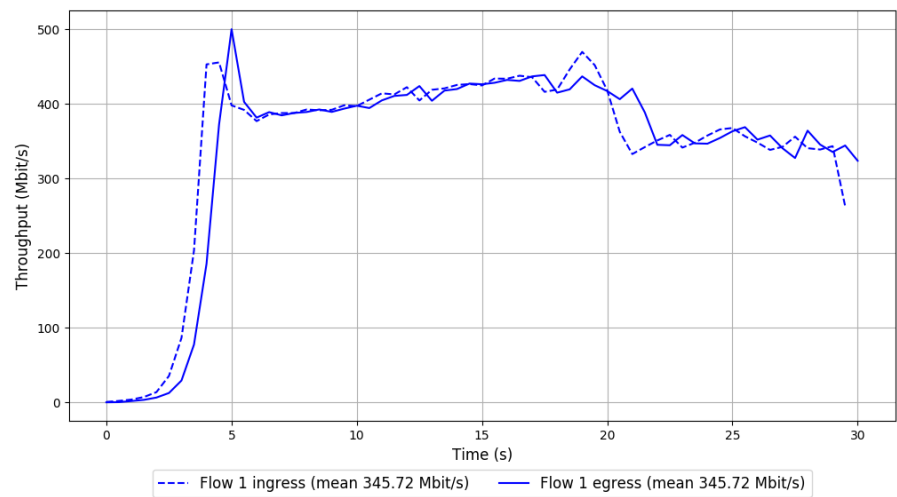


Run 10: Statistics of PCC-Vivace

Start at: 2018-08-01 02:29:51
End at: 2018-08-01 02:30:21
Local clock offset: 0.565 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-08-01 04:34:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 345.72 Mbit/s
95th percentile per-packet one-way delay: 164.321 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 345.72 Mbit/s
95th percentile per-packet one-way delay: 164.321 ms
Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-07-31 23:16:15

End at: 2018-07-31 23:16:45

Local clock offset: 14.48 ms

Remote clock offset: 0.065 ms

Below is generated by plot.py at 2018-08-01 04:34:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.46 Mbit/s

95th percentile per-packet one-way delay: 87.490 ms

Loss rate: 0.00%

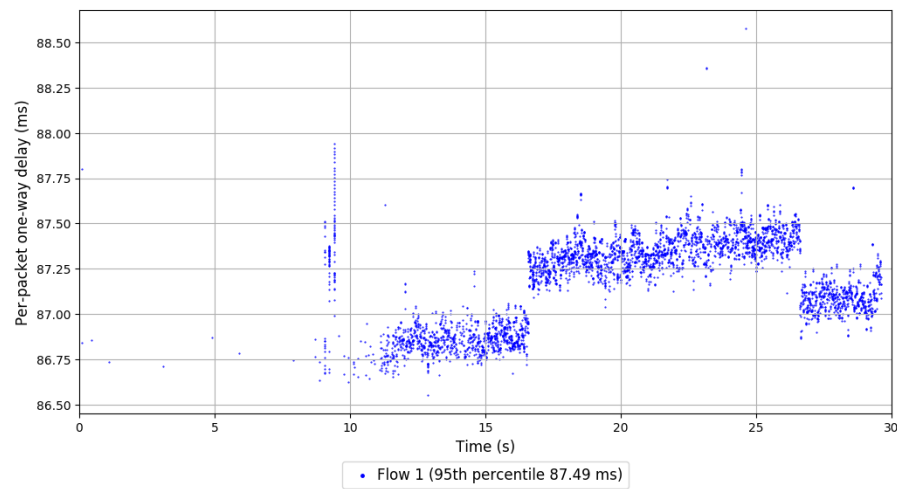
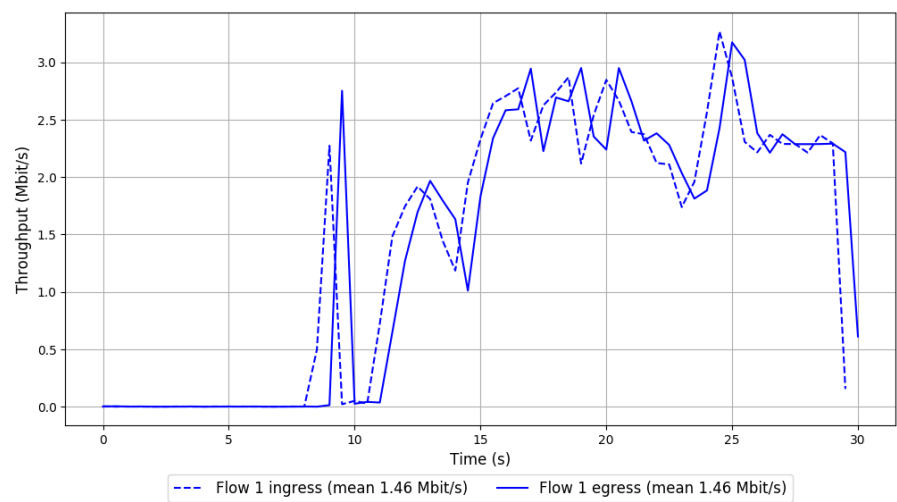
-- Flow 1:

Average throughput: 1.46 Mbit/s

95th percentile per-packet one-way delay: 87.490 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-31 23:38:39

End at: 2018-07-31 23:39:09

Local clock offset: 20.823 ms

Remote clock offset: 0.134 ms

Below is generated by plot.py at 2018-08-01 04:34:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.85 Mbit/s

95th percentile per-packet one-way delay: 87.111 ms

Loss rate: 0.00%

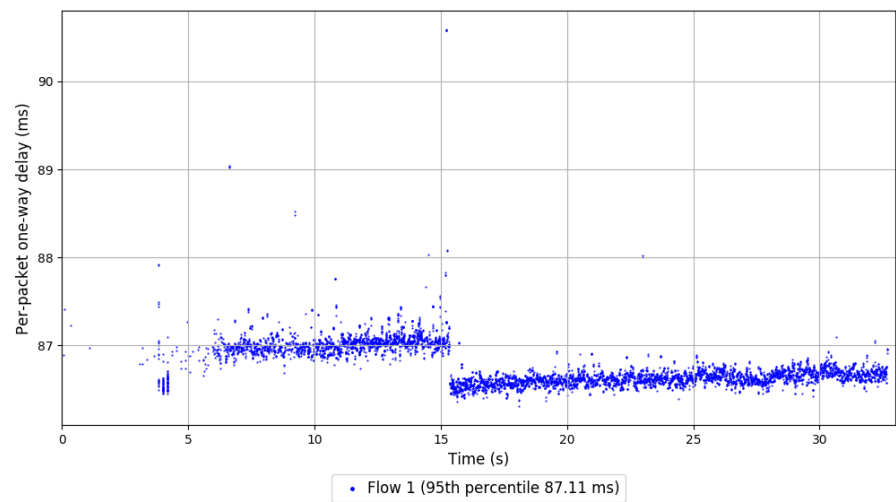
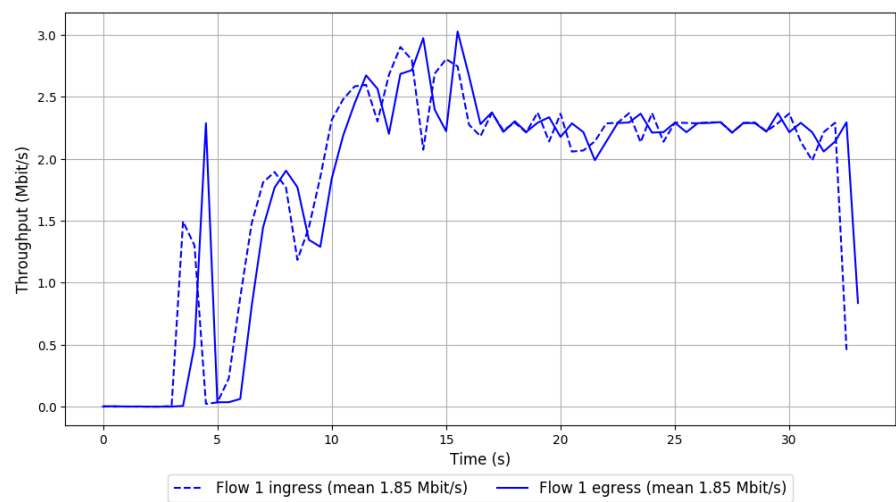
-- Flow 1:

Average throughput: 1.85 Mbit/s

95th percentile per-packet one-way delay: 87.111 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-08-01 00:01:15

End at: 2018-08-01 00:01:45

Local clock offset: 37.412 ms

Remote clock offset: 0.247 ms

Below is generated by plot.py at 2018-08-01 04:34:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.86 Mbit/s

95th percentile per-packet one-way delay: 84.882 ms

Loss rate: 0.00%

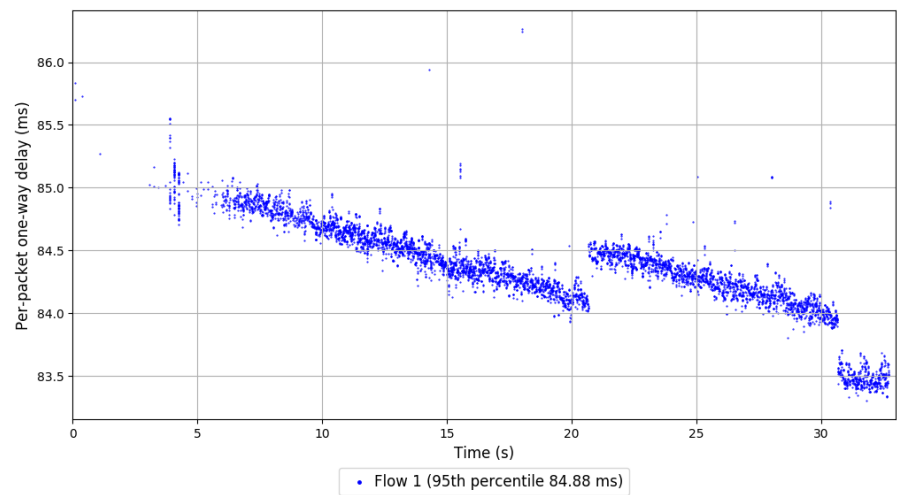
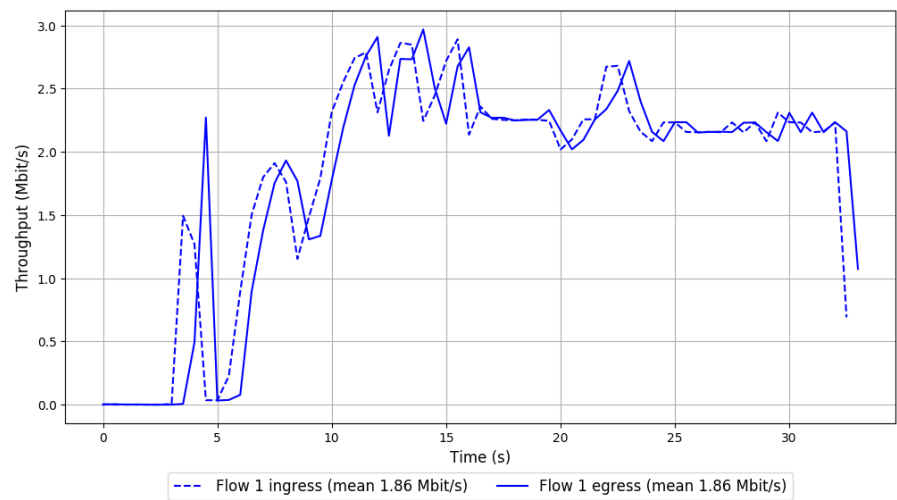
-- Flow 1:

Average throughput: 1.86 Mbit/s

95th percentile per-packet one-way delay: 84.882 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-08-01 00:24:07

End at: 2018-08-01 00:24:37

Local clock offset: 16.465 ms

Remote clock offset: 0.476 ms

Below is generated by plot.py at 2018-08-01 04:34:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.85 Mbit/s

95th percentile per-packet one-way delay: 86.379 ms

Loss rate: 0.00%

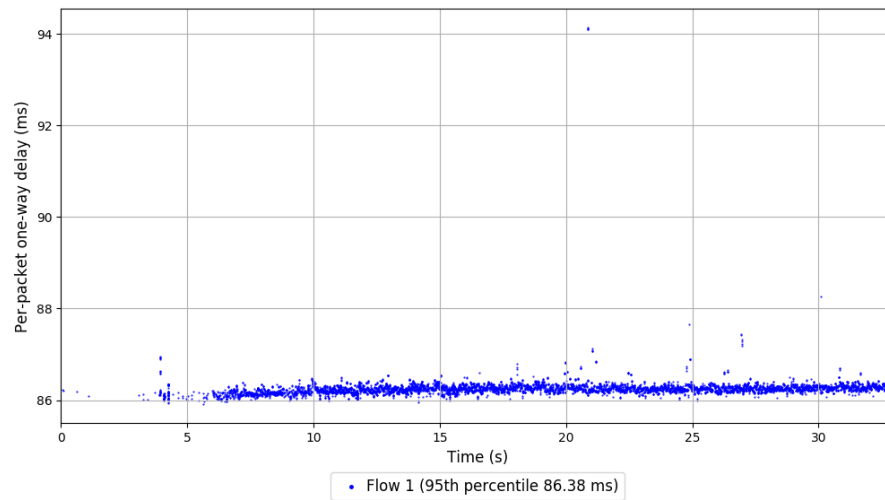
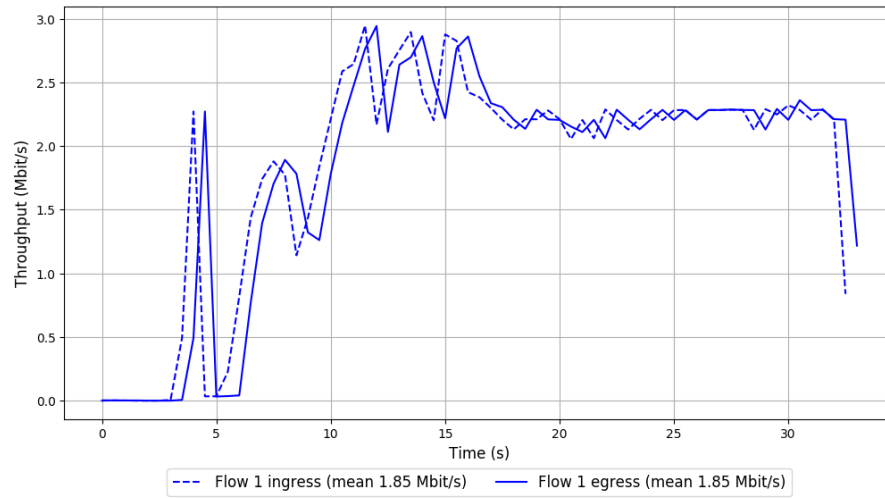
-- Flow 1:

Average throughput: 1.85 Mbit/s

95th percentile per-packet one-way delay: 86.379 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-08-01 00:46:50

End at: 2018-08-01 00:47:20

Local clock offset: 8.515 ms

Remote clock offset: 0.63 ms

Below is generated by plot.py at 2018-08-01 04:34:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 86.144 ms

Loss rate: 0.00%

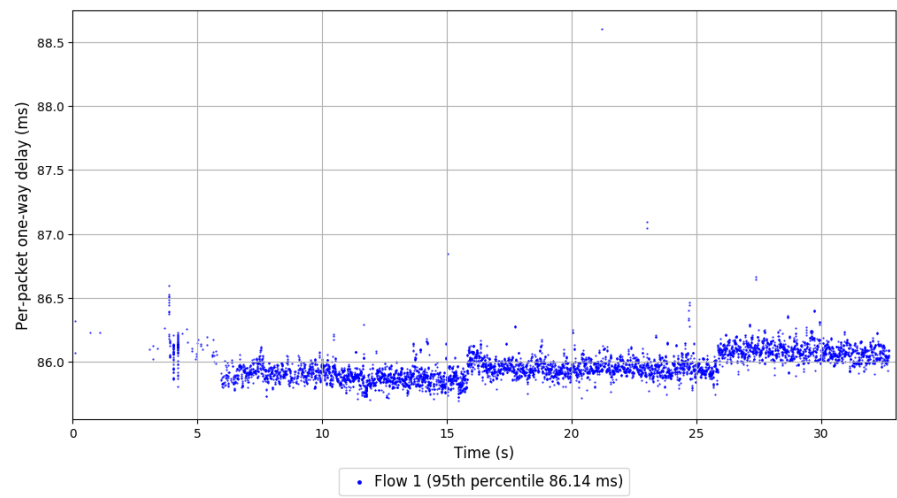
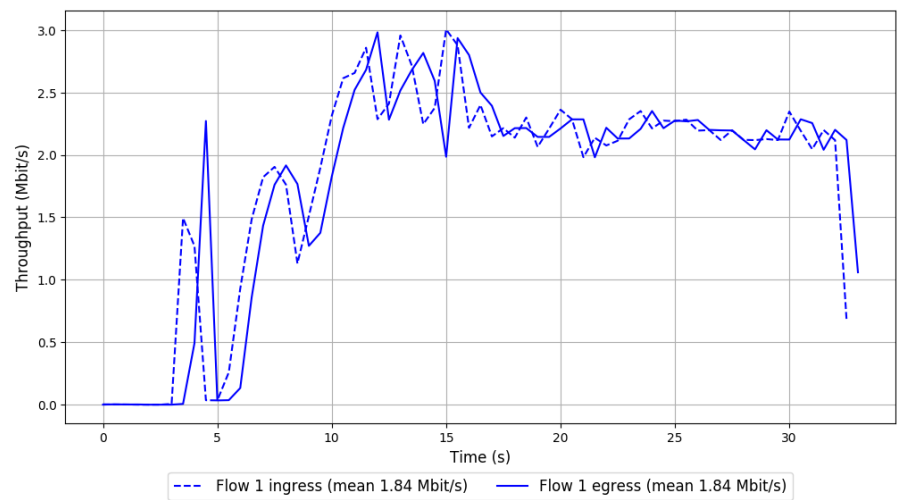
-- Flow 1:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 86.144 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-08-01 01:09:41

End at: 2018-08-01 01:10:11

Local clock offset: 9.157 ms

Remote clock offset: 0.703 ms

Below is generated by plot.py at 2018-08-01 04:34:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 86.432 ms

Loss rate: 0.00%

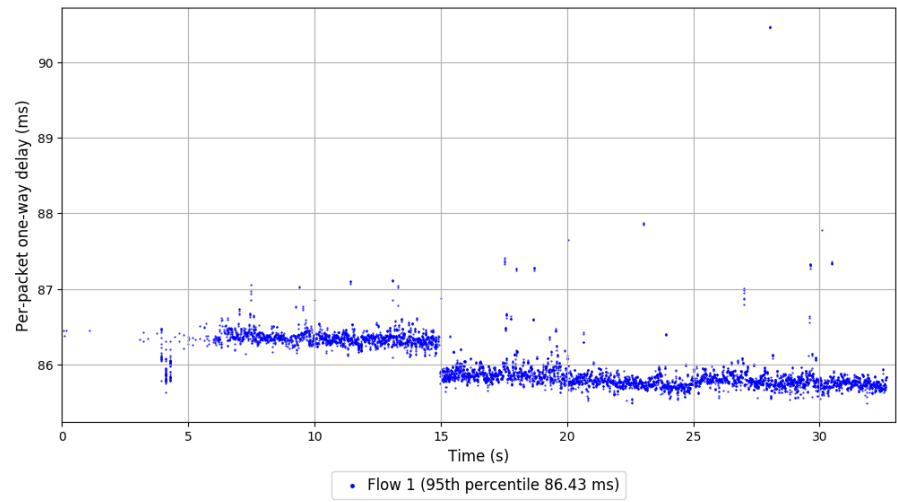
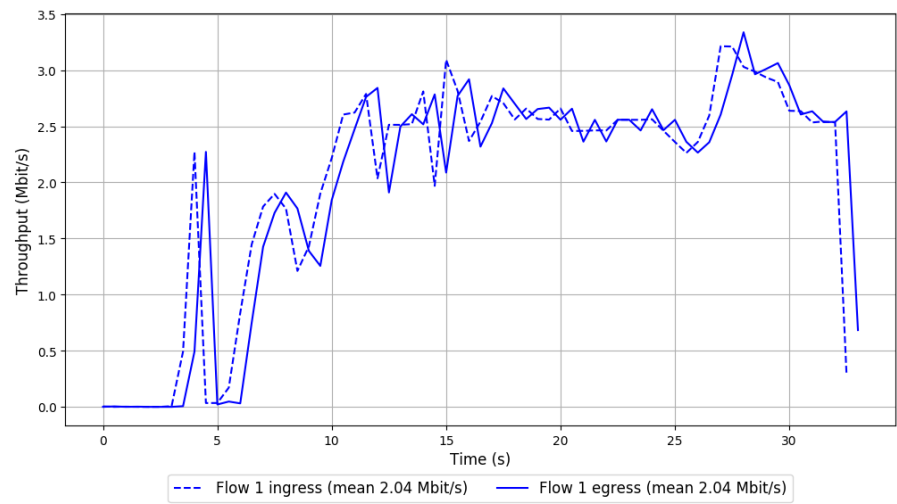
-- Flow 1:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 86.432 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

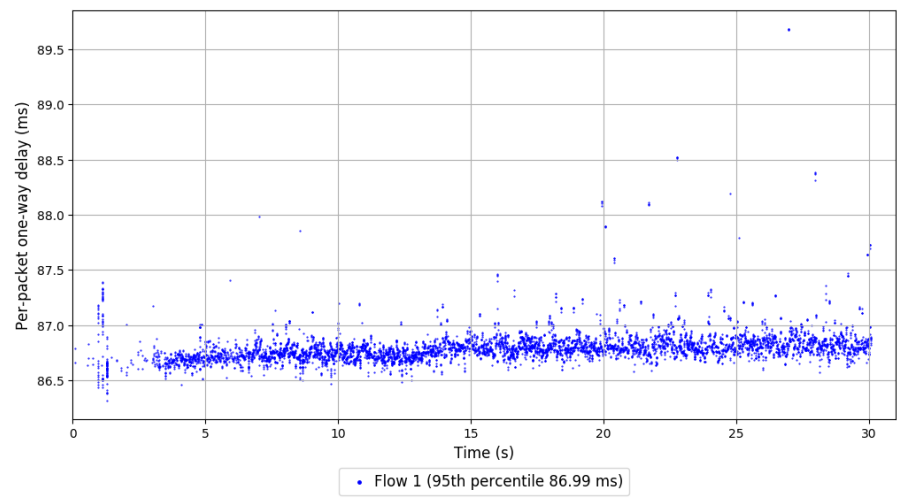
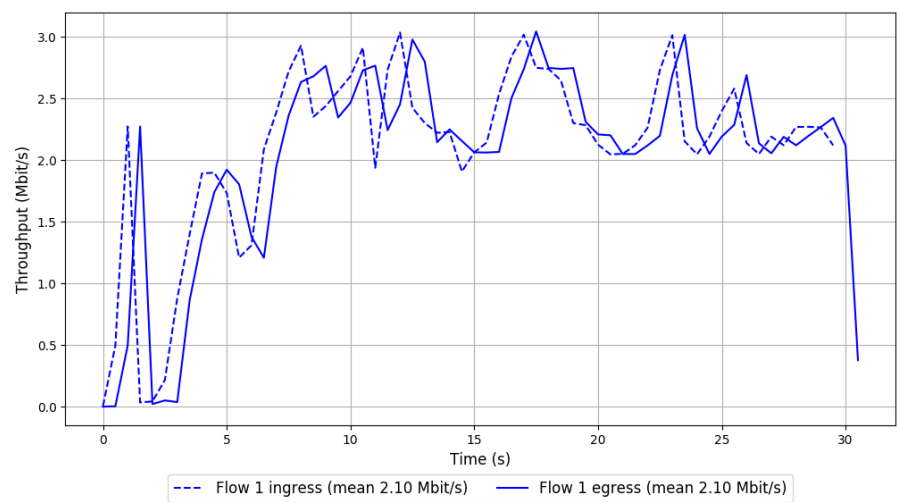


Run 7: Statistics of WebRTC media

Start at: 2018-08-01 01:32:00
End at: 2018-08-01 01:32:30
Local clock offset: 3.707 ms
Remote clock offset: -0.163 ms

Below is generated by plot.py at 2018-08-01 04:34:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 86.986 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 86.986 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

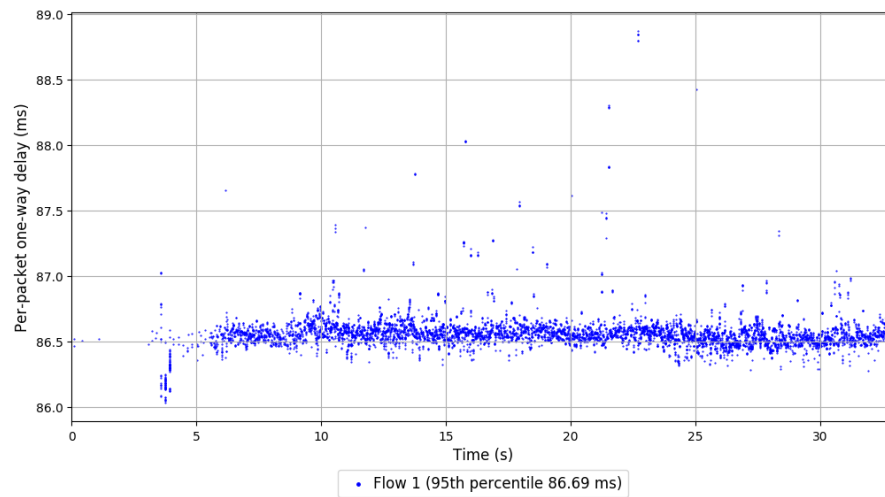
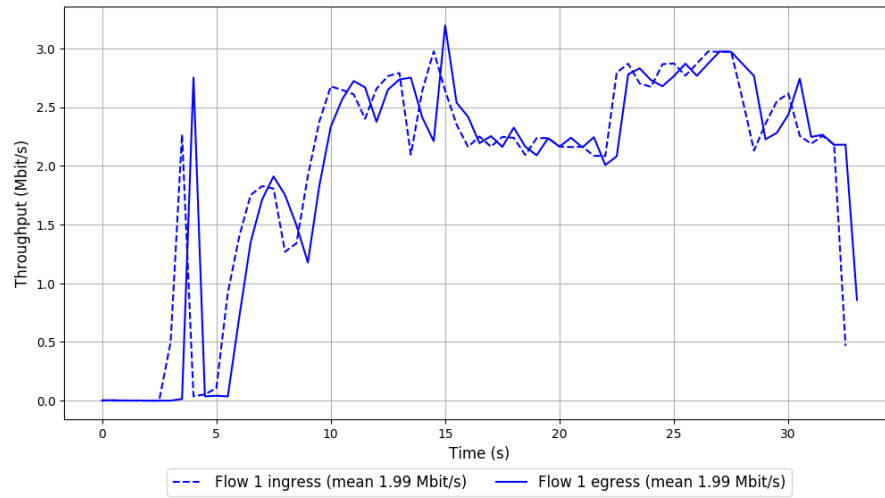


Run 8: Statistics of WebRTC media

Start at: 2018-08-01 01:54:32
End at: 2018-08-01 01:55:02
Local clock offset: 1.668 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-08-01 04:34:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 86.693 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 86.693 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

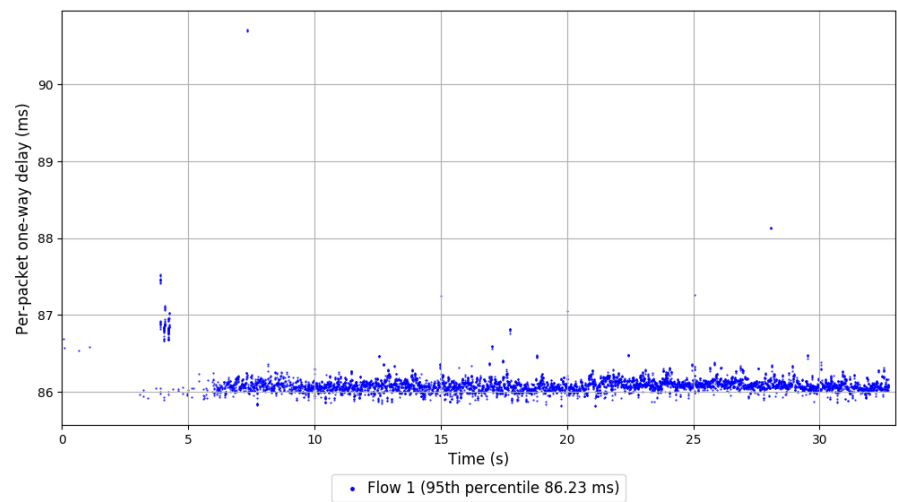
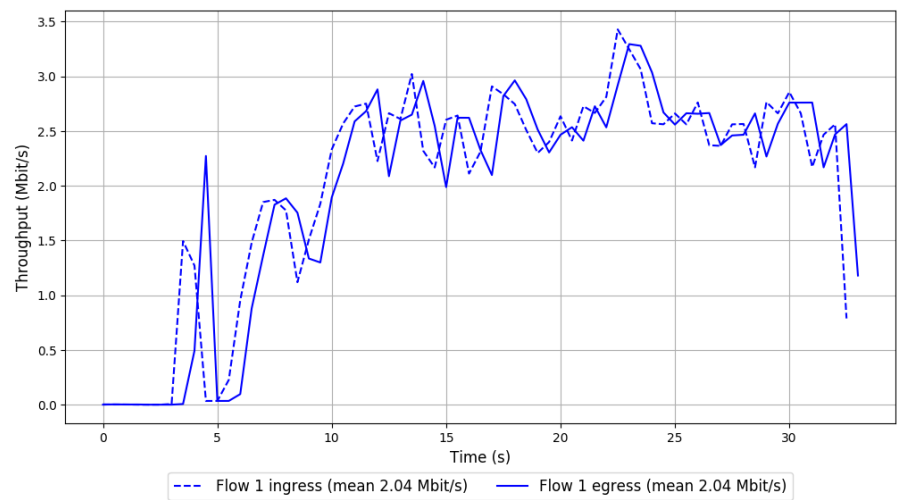


Run 9: Statistics of WebRTC media

Start at: 2018-08-01 02:16:54
End at: 2018-08-01 02:17:24
Local clock offset: 1.21 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-08-01 04:34:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 86.235 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 86.235 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-01 02:39:23

End at: 2018-08-01 02:39:53

Local clock offset: 0.413 ms

Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-08-01 04:34:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 86.852 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 86.852 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

