

Pantheon Report

Generated at 2020-02-18 15:04:42 (UTC).

Data path: GCE Sydney on **ens4** (*local*) → GCE London on **ens4** (*remote*).

Repeated the test of 24 congestion control schemes 5 times.

Each test lasted for 30 seconds running 1 flow.

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

System info:

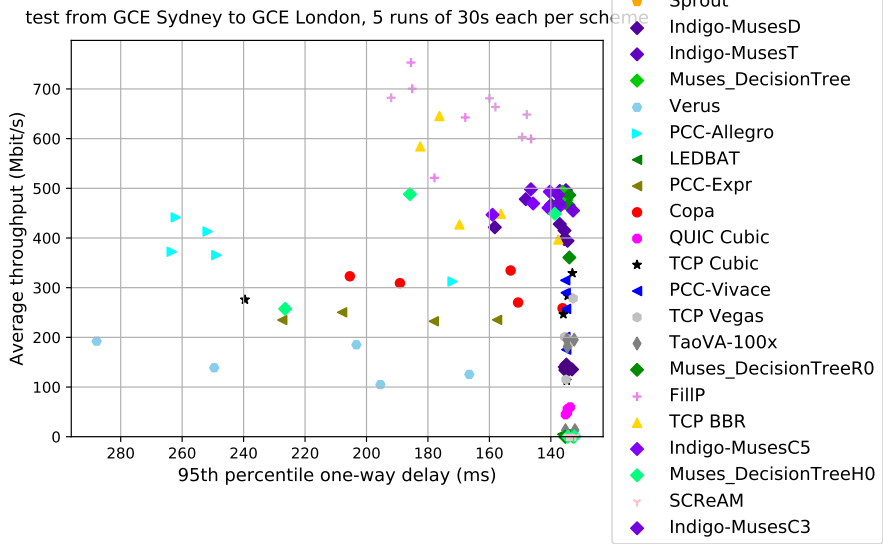
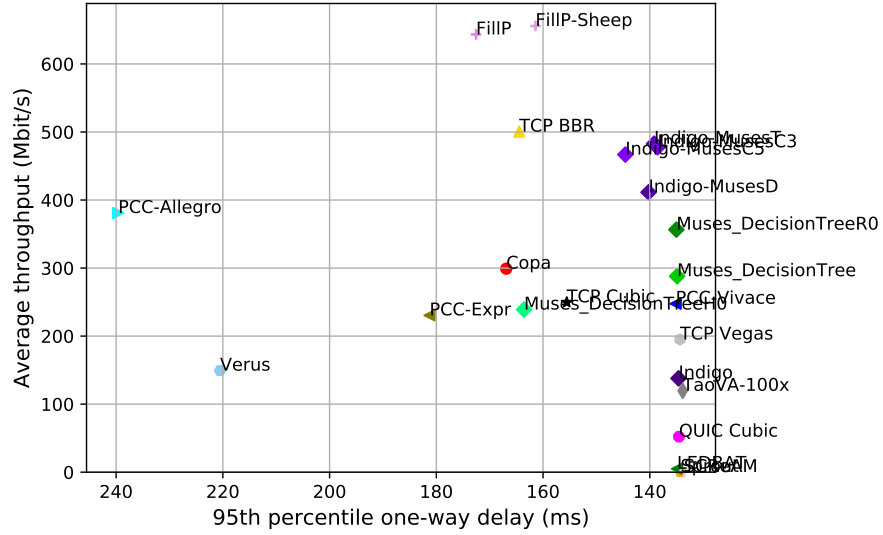
```
Linux 5.0.0-1026-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ de42328552b3776a75a932a94dfafd722537b0ec
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/muses_dtree @ 387225f7b5f61ddbe92d708a8869ffbb84eb3200
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
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-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
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 London, 5 runs of 30s each per scheme
(mean of all runs by scheme)



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	500.53	164.47	0.10
Copa	5	299.07	166.90	0.00
TCP Cubic	5	249.63	155.56	0.11
FillP	5	643.34	172.56	0.25
FillP-Sheep	5	655.77	161.42	0.19
Indigo	5	137.91	134.61	0.00
Indigo-MusesC3	4	477.55	138.55	0.00
Indigo-MusesC5	5	466.82	144.58	0.02
Indigo-MusesD	5	411.34	140.22	0.00
Indigo-MusesT	5	482.77	139.20	0.01
LEDBAT	5	5.01	134.91	0.00
Muses_DecisionTree	5	288.06	134.88	0.00
Muses_DecisionTreeH0	5	239.05	163.56	0.52
Muses_DecisionTreeR0	5	356.49	135.02	0.00
PCC-Allegro	5	380.91	239.61	2.49
PCC-Expr	5	230.44	181.27	0.28
QUIC Cubic	4	52.20	134.55	0.00
SCReAM	5	0.19	133.61	0.00
Sprout	5	0.53	134.24	0.00
TaoVA-100x	5	119.58	133.84	0.01
TCP Vegas	5	195.02	134.34	0.00
Verus	5	149.31	220.54	1.64
PCC-Vivace	5	247.59	135.16	0.00
WebRTC media	0	N/A	N/A	N/A

Run 1: Statistics of TCP BBR

Start at: 2020-02-18 10:03:24

End at: 2020-02-18 10:03:54

Local clock offset: 0.32 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2020-02-18 13:17:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 645.53 Mbit/s

95th percentile per-packet one-way delay: 176.266 ms

Loss rate: 0.30%

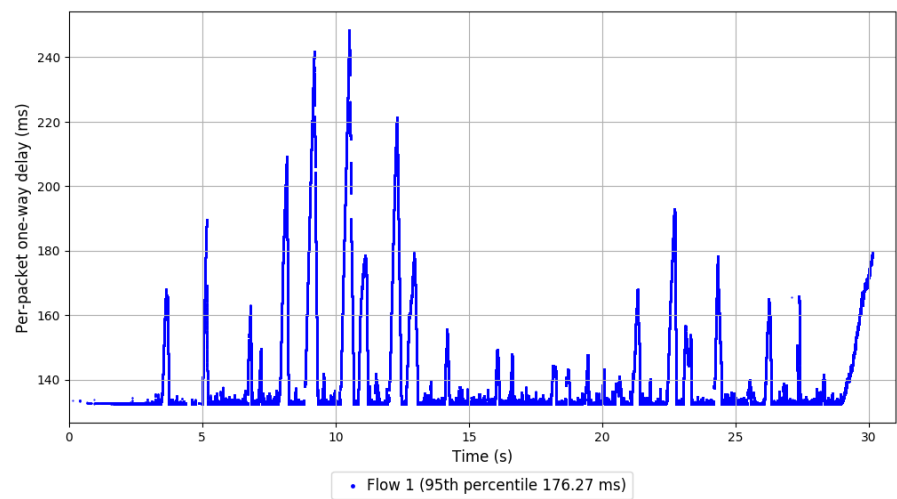
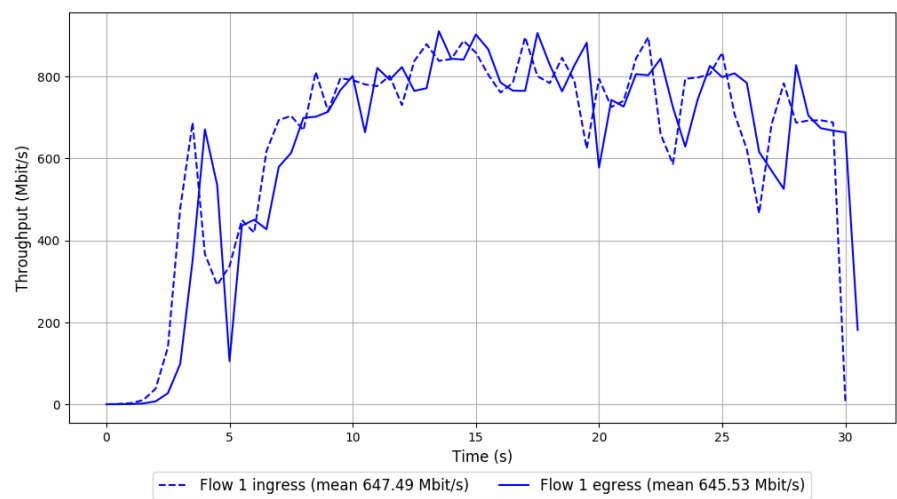
-- Flow 1:

Average throughput: 645.53 Mbit/s

95th percentile per-packet one-way delay: 176.266 ms

Loss rate: 0.30%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2020-02-18 10:38:57

End at: 2020-02-18 10:39:27

Local clock offset: -0.11 ms

Remote clock offset: -0.003 ms

Below is generated by plot.py at 2020-02-18 13:17:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 448.61 Mbit/s

95th percentile per-packet one-way delay: 156.253 ms

Loss rate: 0.00%

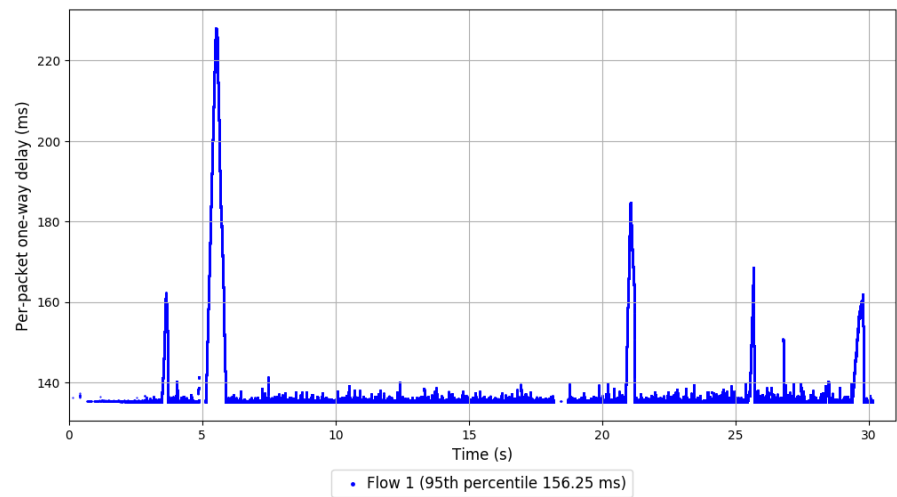
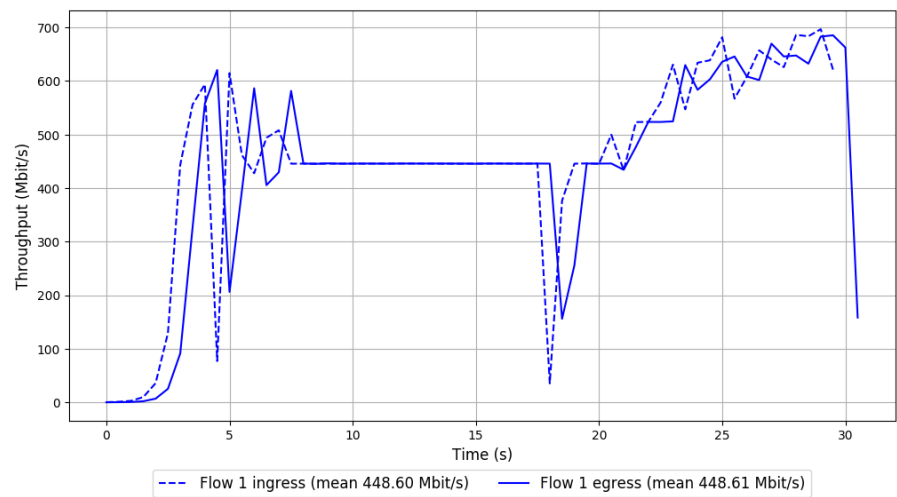
-- Flow 1:

Average throughput: 448.61 Mbit/s

95th percentile per-packet one-way delay: 156.253 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2020-02-18 11:14:57

End at: 2020-02-18 11:15:27

Local clock offset: 0.252 ms

Remote clock offset: -0.134 ms

Below is generated by plot.py at 2020-02-18 13:17:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 427.23 Mbit/s

95th percentile per-packet one-way delay: 169.747 ms

Loss rate: 0.00%

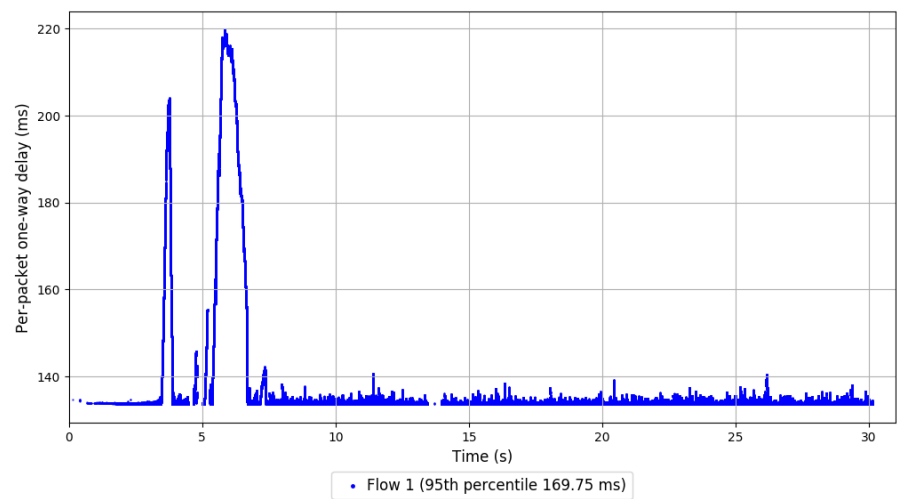
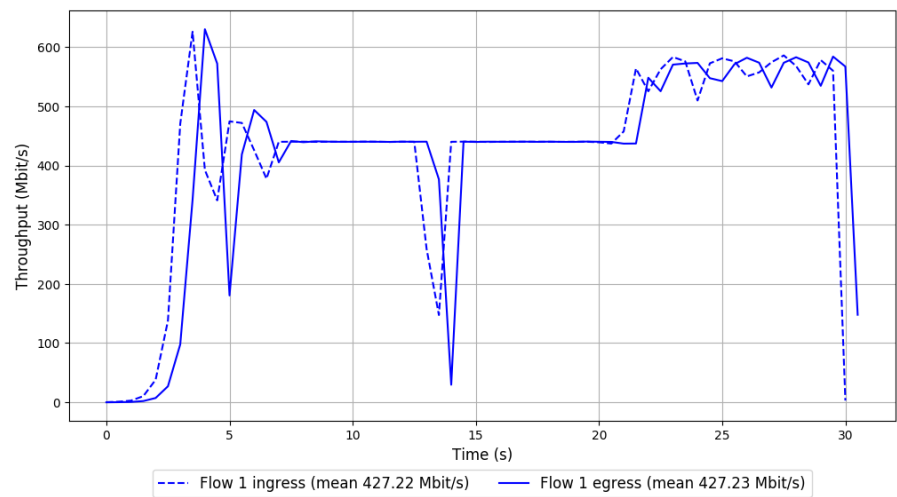
-- Flow 1:

Average throughput: 427.23 Mbit/s

95th percentile per-packet one-way delay: 169.747 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link

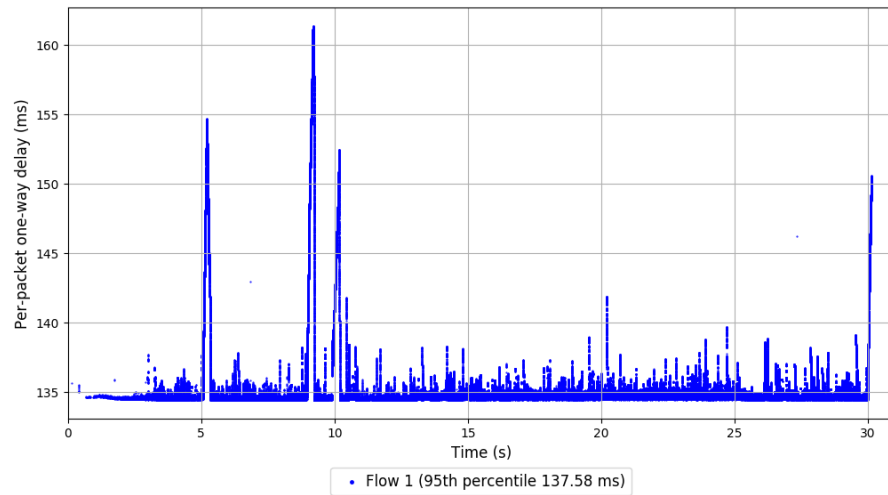
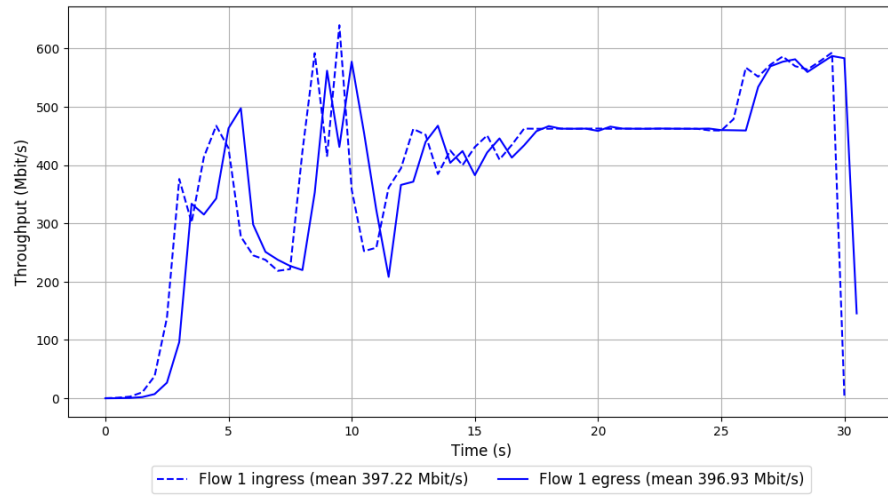


Run 4: Statistics of TCP BBR

Start at: 2020-02-18 11:50:15
End at: 2020-02-18 11:50:45
Local clock offset: -0.122 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2020-02-18 13:17:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 396.93 Mbit/s
95th percentile per-packet one-way delay: 137.577 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 396.93 Mbit/s
95th percentile per-packet one-way delay: 137.577 ms
Loss rate: 0.07%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2020-02-18 12:25:47

End at: 2020-02-18 12:26:17

Local clock offset: -0.056 ms

Remote clock offset: 0.112 ms

Below is generated by plot.py at 2020-02-18 13:17:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 584.36 Mbit/s

95th percentile per-packet one-way delay: 182.496 ms

Loss rate: 0.12%

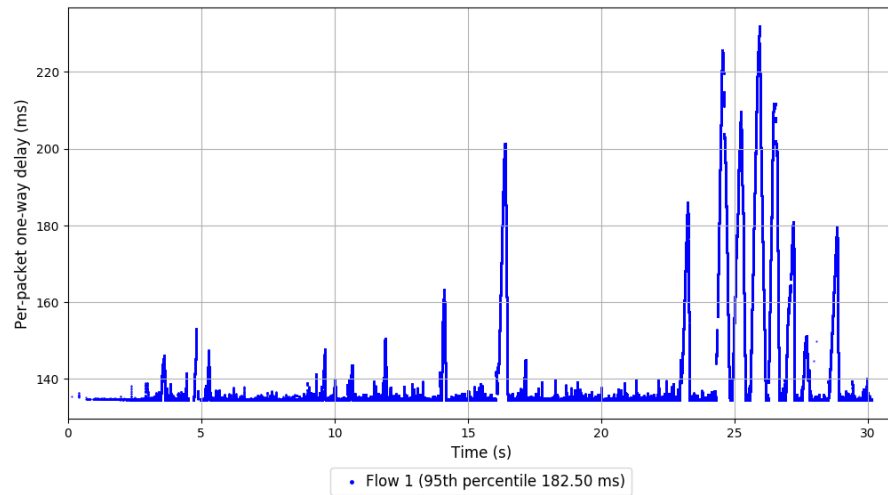
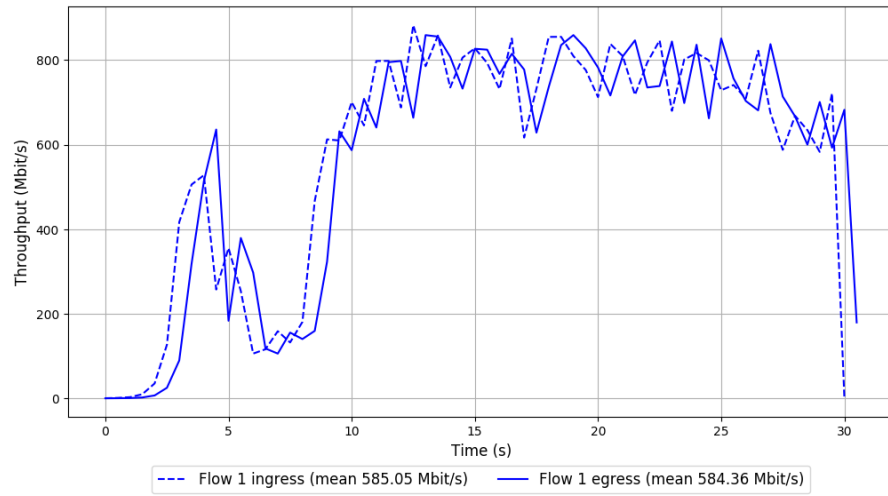
-- Flow 1:

Average throughput: 584.36 Mbit/s

95th percentile per-packet one-way delay: 182.496 ms

Loss rate: 0.12%

Run 5: Report of TCP BBR — Data Link

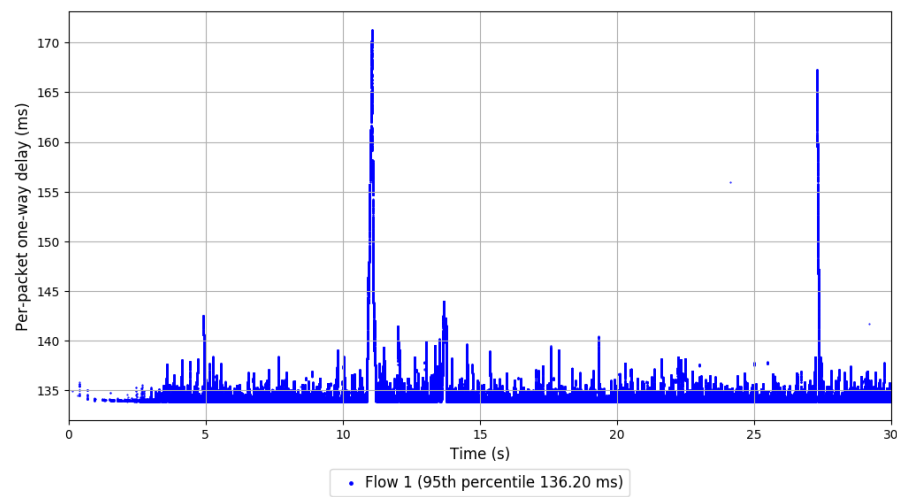
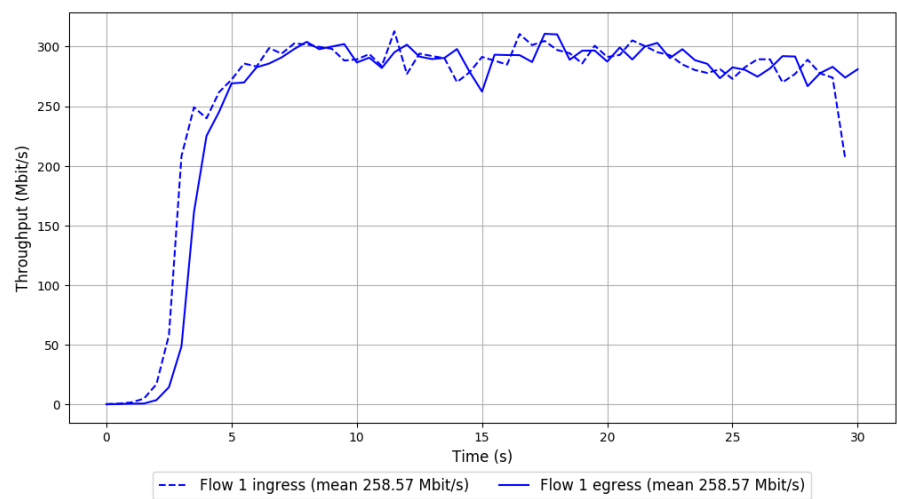


Run 1: Statistics of Copa

Start at: 2020-02-18 10:11:28
End at: 2020-02-18 10:11:58
Local clock offset: -0.009 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2020-02-18 13:17:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 258.57 Mbit/s
95th percentile per-packet one-way delay: 136.200 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 258.57 Mbit/s
95th percentile per-packet one-way delay: 136.200 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

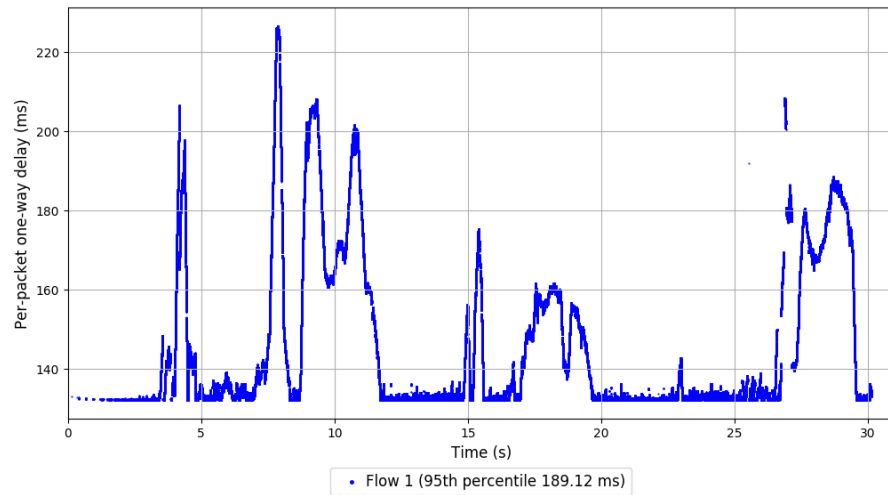
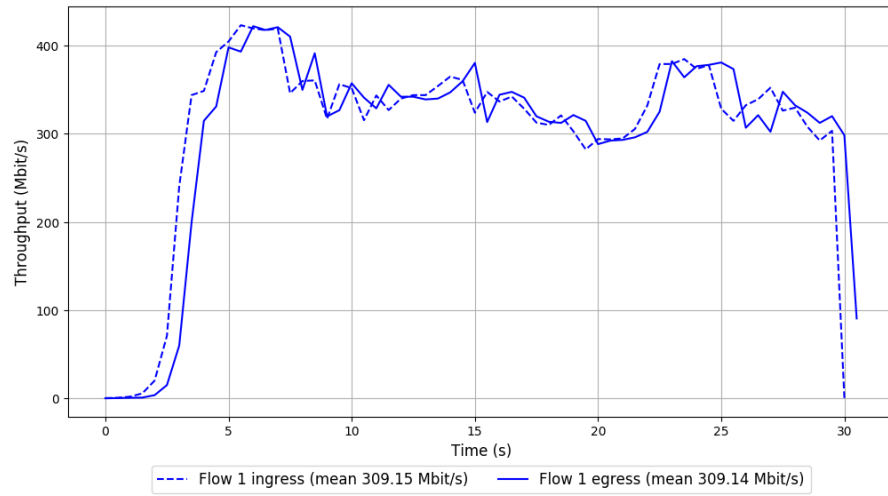


Run 2: Statistics of Copa

Start at: 2020-02-18 10:46:50
End at: 2020-02-18 10:47:20
Local clock offset: -0.067 ms
Remote clock offset: -0.1 ms

Below is generated by plot.py at 2020-02-18 13:17:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 309.14 Mbit/s
95th percentile per-packet one-way delay: 189.121 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 309.14 Mbit/s
95th percentile per-packet one-way delay: 189.121 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

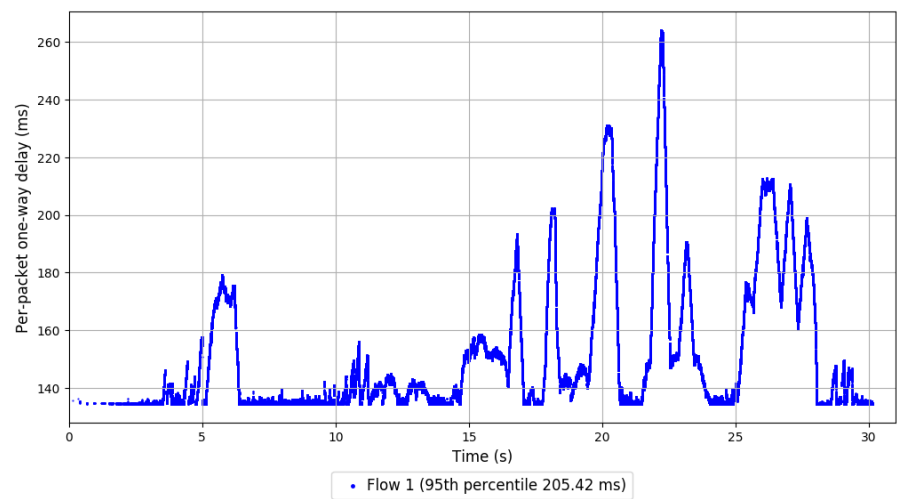
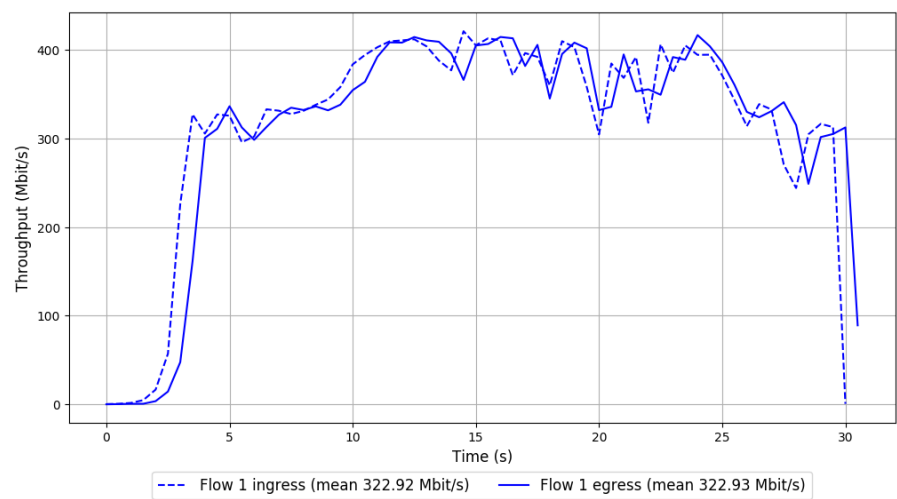


Run 3: Statistics of Copa

Start at: 2020-02-18 11:22:43
End at: 2020-02-18 11:23:13
Local clock offset: -0.109 ms
Remote clock offset: -0.146 ms

Below is generated by plot.py at 2020-02-18 13:17:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 322.93 Mbit/s
95th percentile per-packet one-way delay: 205.422 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 322.93 Mbit/s
95th percentile per-packet one-way delay: 205.422 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2020-02-18 11:57:56

End at: 2020-02-18 11:58:26

Local clock offset: -0.131 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2020-02-18 13:26:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 334.56 Mbit/s

95th percentile per-packet one-way delay: 153.090 ms

Loss rate: 0.00%

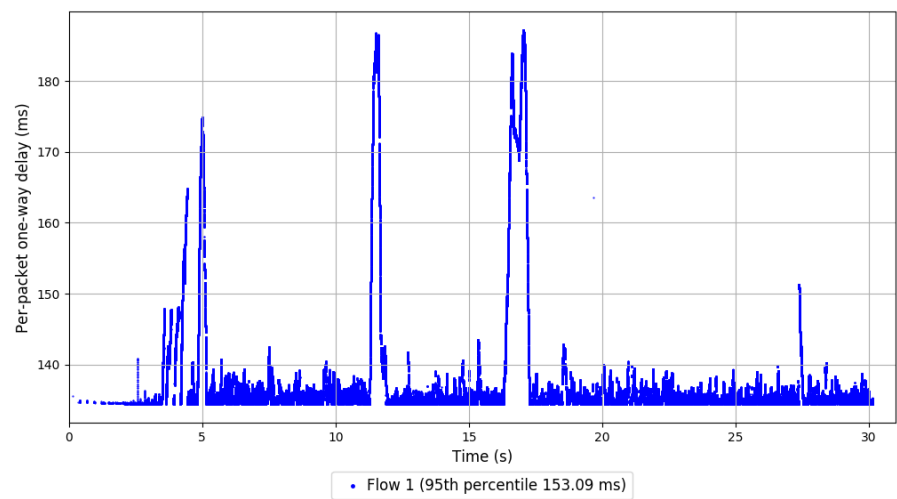
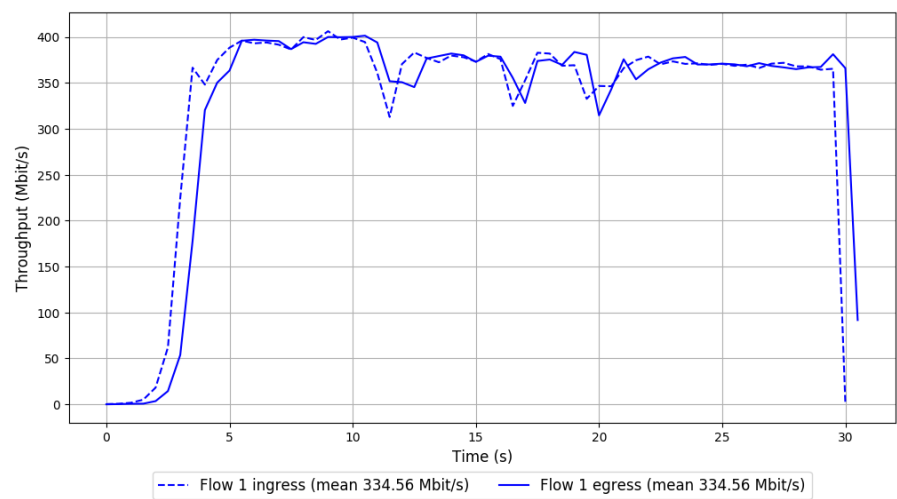
-- Flow 1:

Average throughput: 334.56 Mbit/s

95th percentile per-packet one-way delay: 153.090 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2020-02-18 12:33:37

End at: 2020-02-18 12:34:07

Local clock offset: -0.065 ms

Remote clock offset: 0.145 ms

Below is generated by plot.py at 2020-02-18 13:26:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 270.15 Mbit/s

95th percentile per-packet one-way delay: 150.668 ms

Loss rate: 0.00%

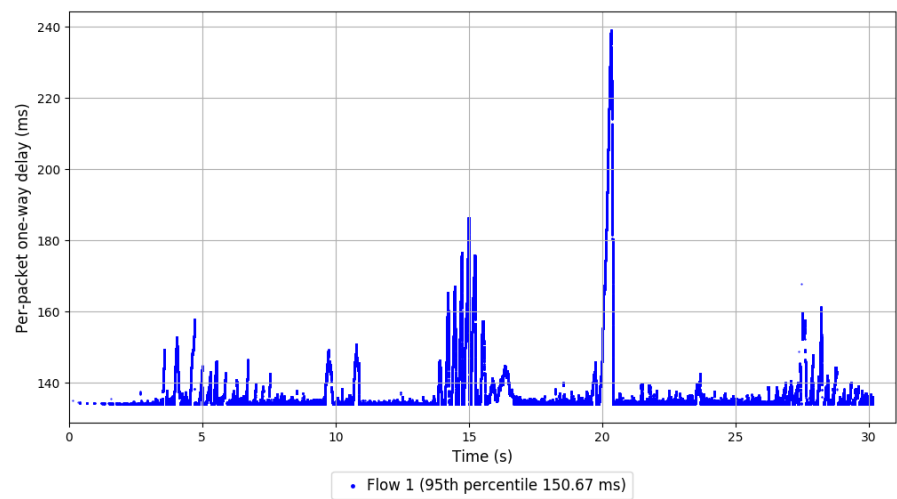
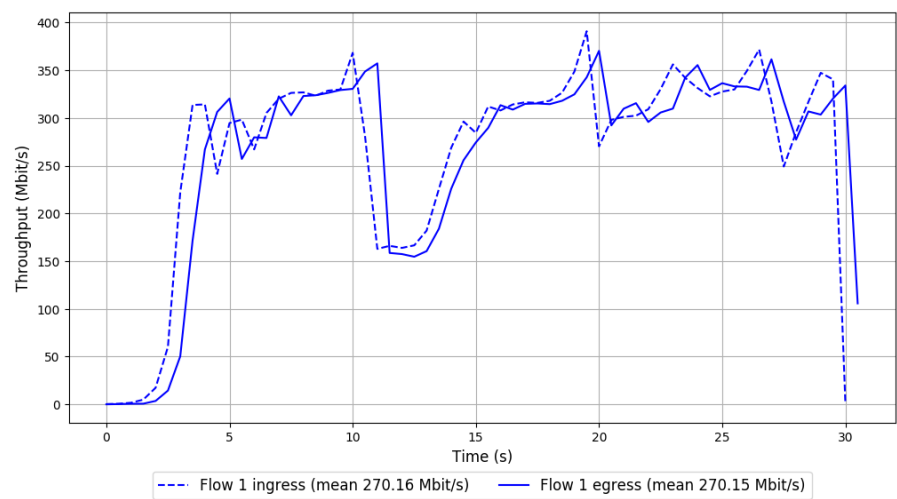
-- Flow 1:

Average throughput: 270.15 Mbit/s

95th percentile per-packet one-way delay: 150.668 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link

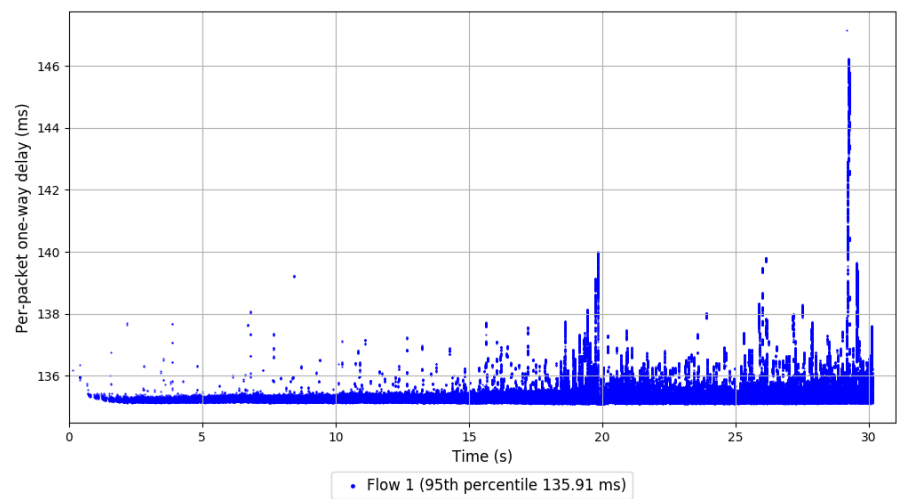
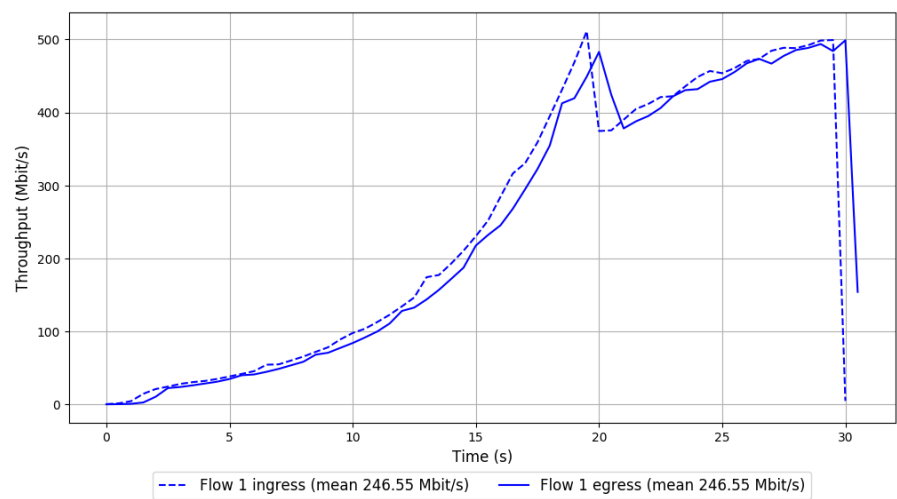


Run 1: Statistics of TCP Cubic

Start at: 2020-02-18 10:23:59
End at: 2020-02-18 10:24:29
Local clock offset: -0.096 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2020-02-18 13:26:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 246.55 Mbit/s
95th percentile per-packet one-way delay: 135.915 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 246.55 Mbit/s
95th percentile per-packet one-way delay: 135.915 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

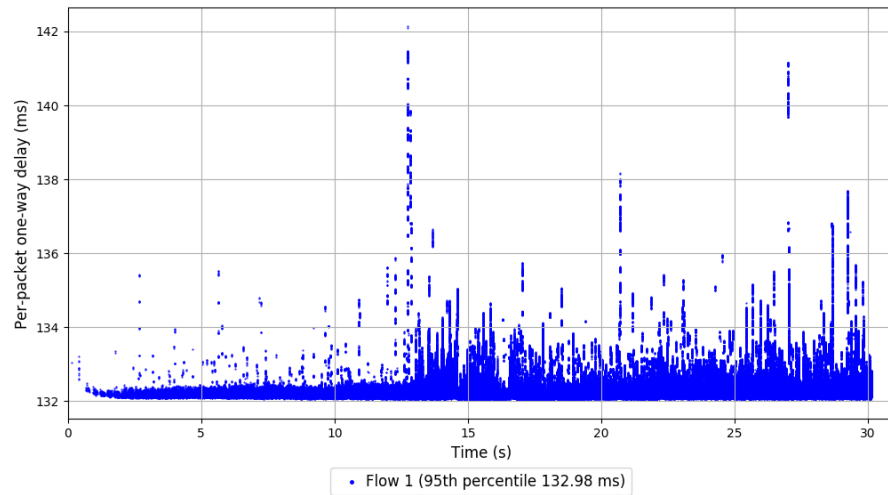
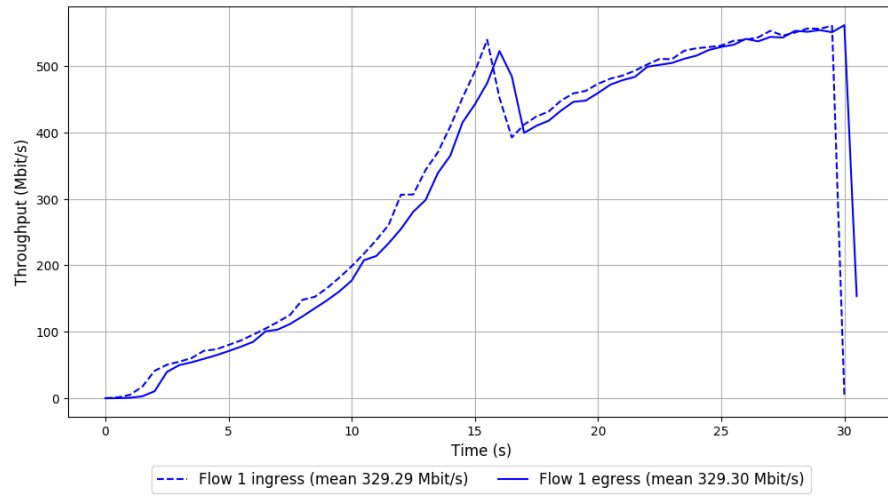


Run 2: Statistics of TCP Cubic

Start at: 2020-02-18 10:59:59
End at: 2020-02-18 11:00:29
Local clock offset: -0.071 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2020-02-18 13:26:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 329.30 Mbit/s
95th percentile per-packet one-way delay: 132.982 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 329.30 Mbit/s
95th percentile per-packet one-way delay: 132.982 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

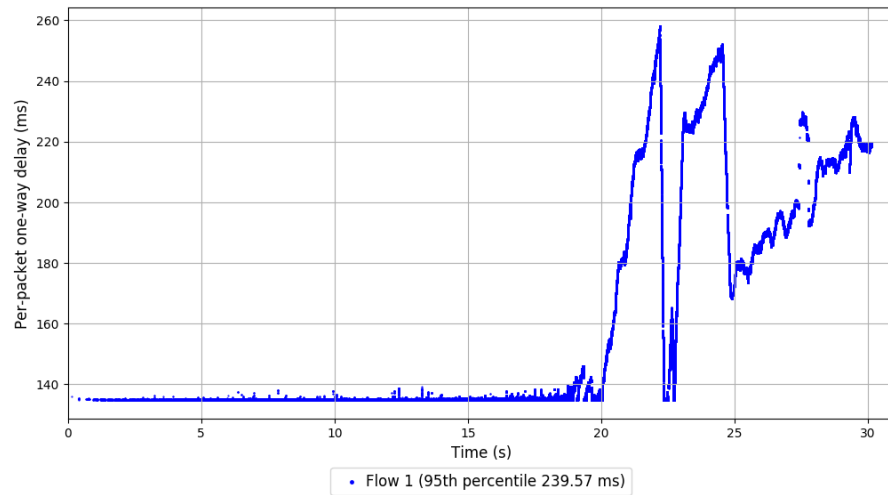
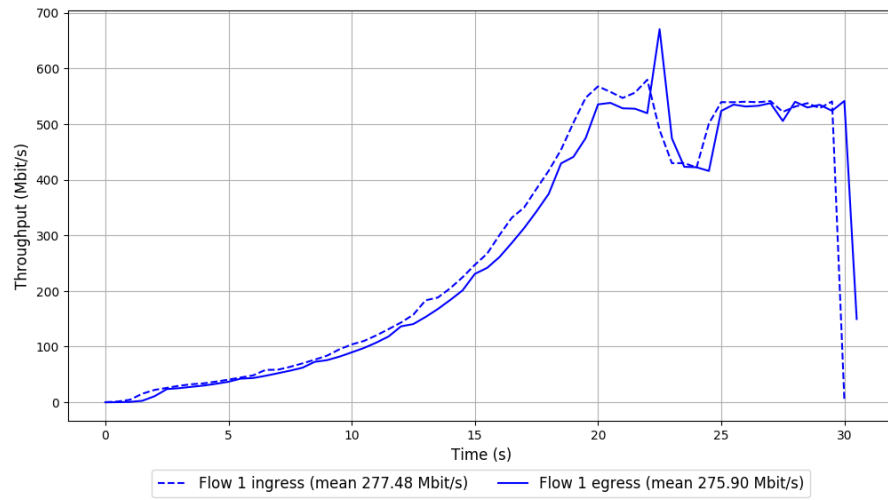


Run 3: Statistics of TCP Cubic

Start at: 2020-02-18 11:35:27
End at: 2020-02-18 11:35:57
Local clock offset: 0.209 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2020-02-18 13:26:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 275.90 Mbit/s
95th percentile per-packet one-way delay: 239.567 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 275.90 Mbit/s
95th percentile per-packet one-way delay: 239.567 ms
Loss rate: 0.57%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2020-02-18 12:11:05

End at: 2020-02-18 12:11:35

Local clock offset: -0.117 ms

Remote clock offset: 0.077 ms

Below is generated by plot.py at 2020-02-18 13:26:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 283.52 Mbit/s

95th percentile per-packet one-way delay: 134.516 ms

Loss rate: 0.00%

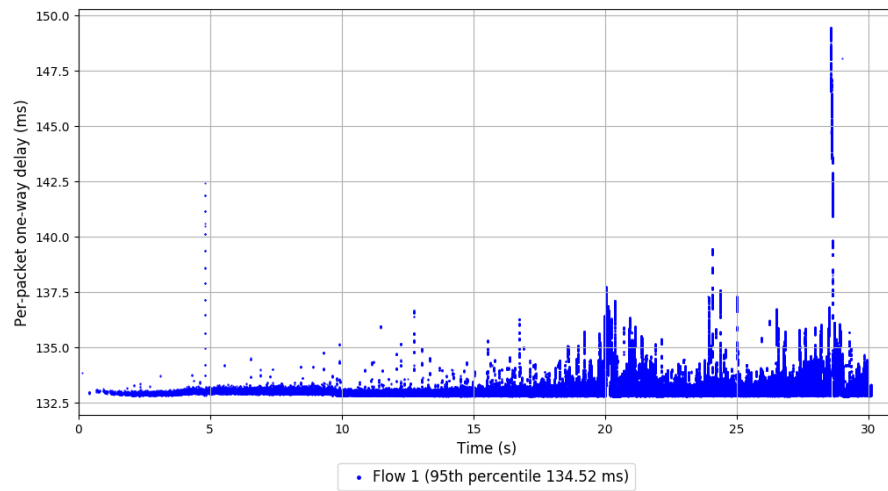
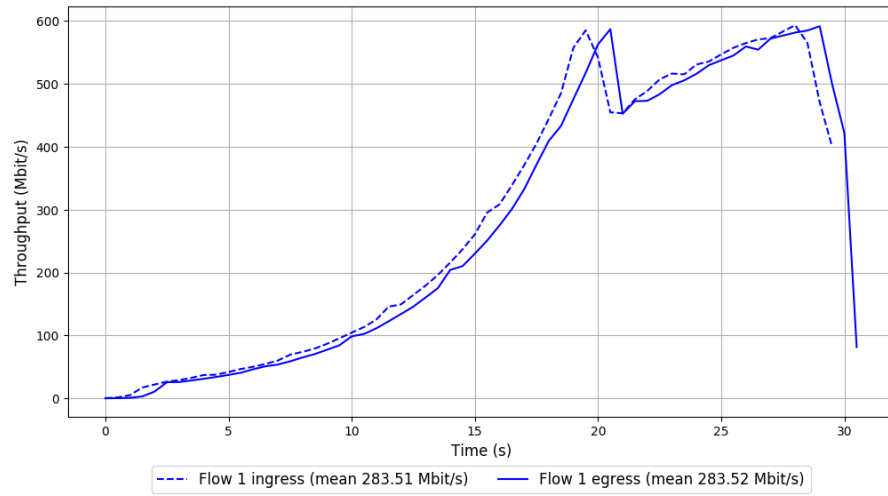
-- Flow 1:

Average throughput: 283.52 Mbit/s

95th percentile per-packet one-way delay: 134.516 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2020-02-18 12:46:40

End at: 2020-02-18 12:47:10

Local clock offset: -0.044 ms

Remote clock offset: 0.223 ms

Below is generated by plot.py at 2020-02-18 13:26:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 112.88 Mbit/s

95th percentile per-packet one-way delay: 134.835 ms

Loss rate: 0.00%

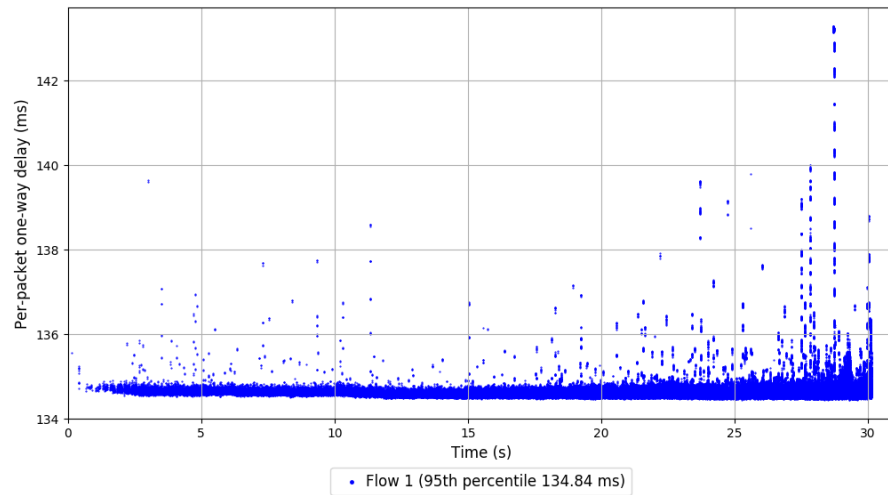
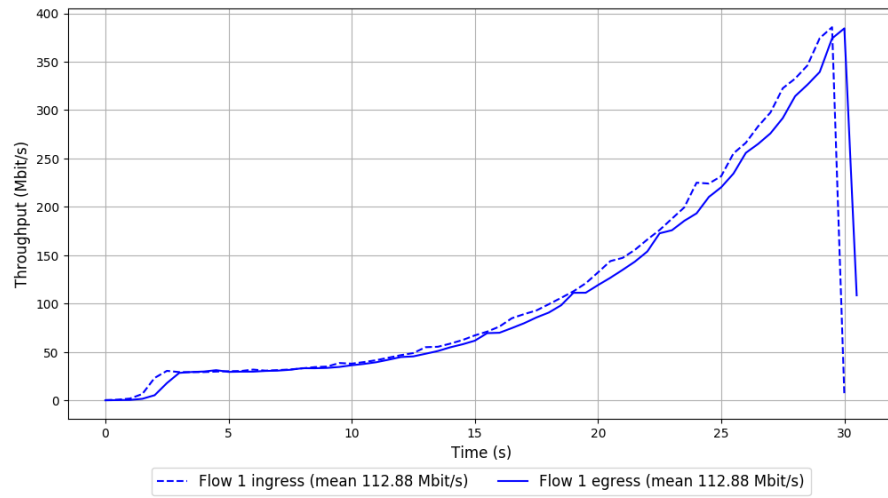
-- Flow 1:

Average throughput: 112.88 Mbit/s

95th percentile per-packet one-way delay: 134.835 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2020-02-18 10:25:25

End at: 2020-02-18 10:25:55

Local clock offset: 0.134 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2020-02-18 13:40:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 753.08 Mbit/s

95th percentile per-packet one-way delay: 185.534 ms

Loss rate: 0.42%

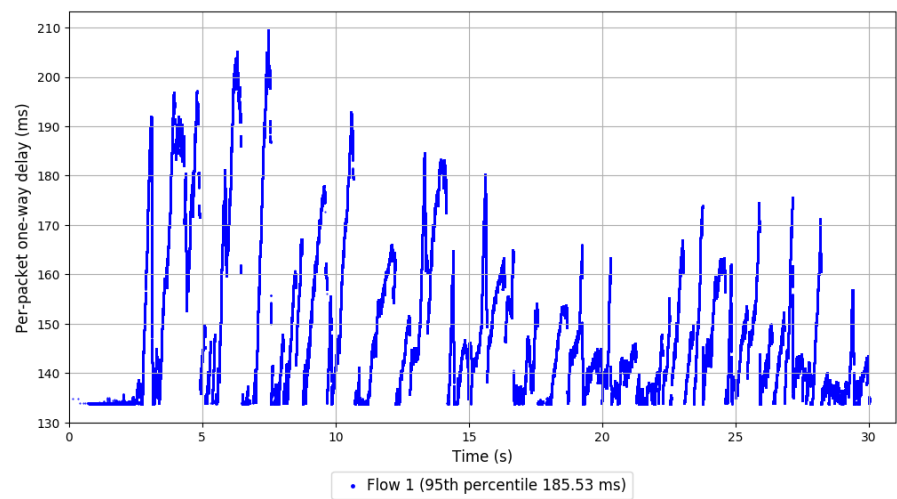
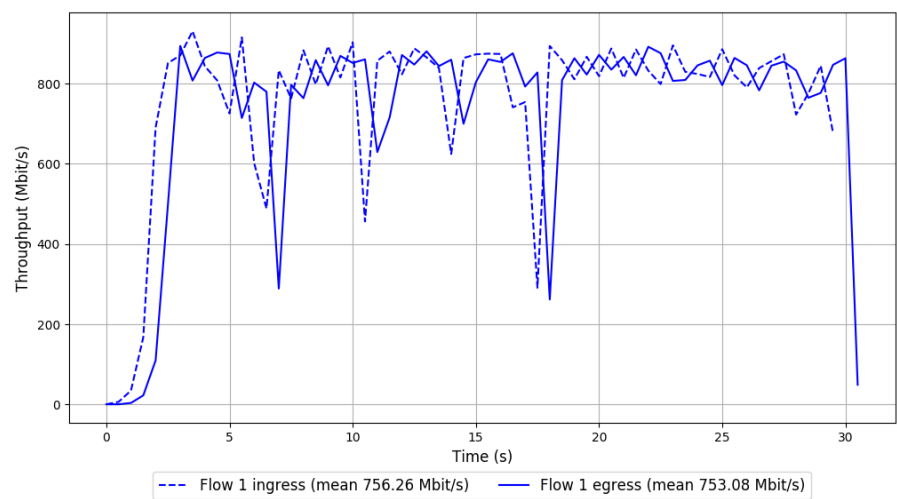
-- Flow 1:

Average throughput: 753.08 Mbit/s

95th percentile per-packet one-way delay: 185.534 ms

Loss rate: 0.42%

Run 1: Report of FillP — Data Link

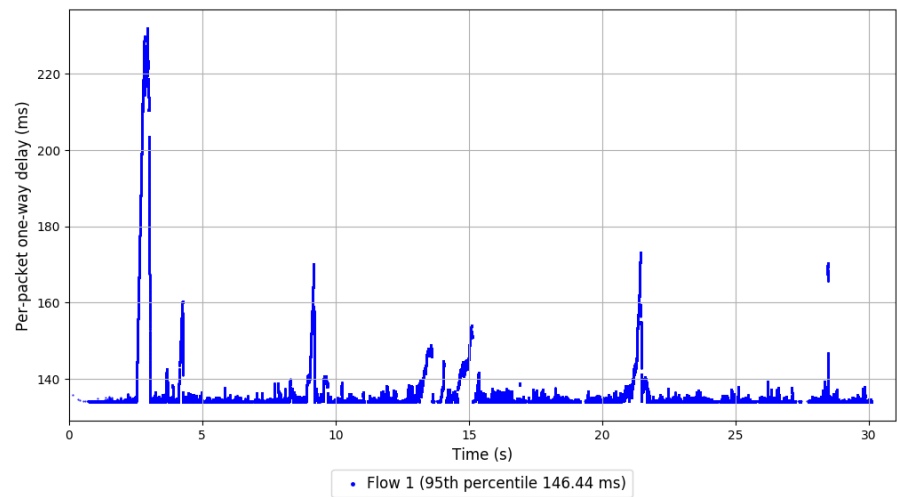
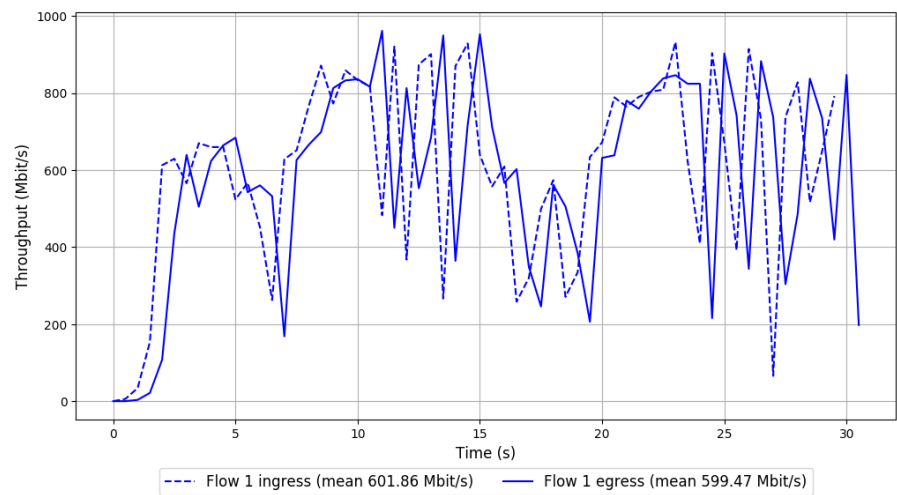


Run 2: Statistics of FillP

Start at: 2020-02-18 11:01:30
End at: 2020-02-18 11:02:00
Local clock offset: -0.066 ms
Remote clock offset: -0.144 ms

Below is generated by plot.py at 2020-02-18 13:40:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 599.47 Mbit/s
95th percentile per-packet one-way delay: 146.443 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 599.47 Mbit/s
95th percentile per-packet one-way delay: 146.443 ms
Loss rate: 0.40%

Run 2: Report of FillP — Data Link

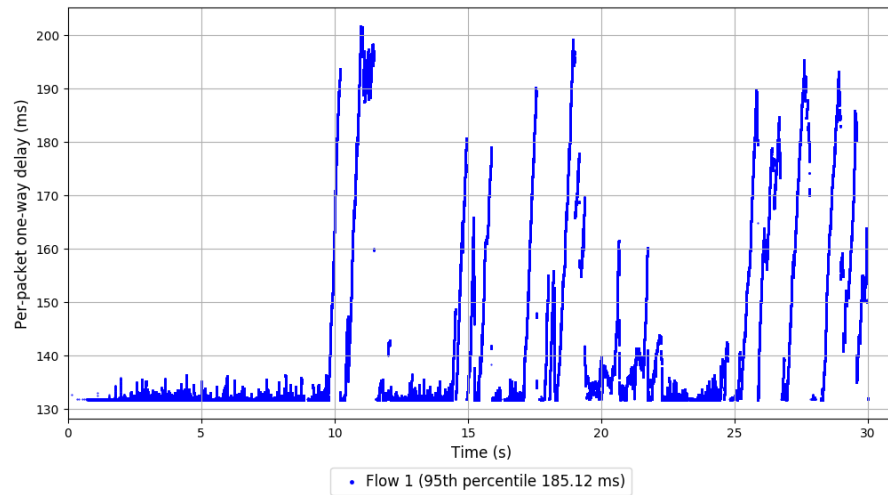
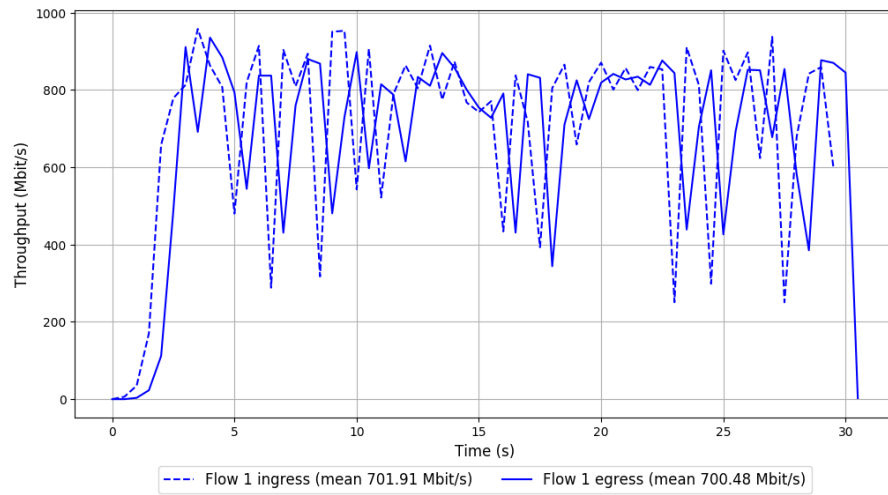


Run 3: Statistics of FillP

Start at: 2020-02-18 11:36:55
End at: 2020-02-18 11:37:25
Local clock offset: -0.05 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2020-02-18 13:40:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 700.48 Mbit/s
95th percentile per-packet one-way delay: 185.116 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 700.48 Mbit/s
95th percentile per-packet one-way delay: 185.116 ms
Loss rate: 0.21%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2020-02-18 12:12:33

End at: 2020-02-18 12:13:03

Local clock offset: 0.265 ms

Remote clock offset: 0.075 ms

Below is generated by plot.py at 2020-02-18 13:40:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 521.07 Mbit/s

95th percentile per-packet one-way delay: 177.877 ms

Loss rate: 0.19%

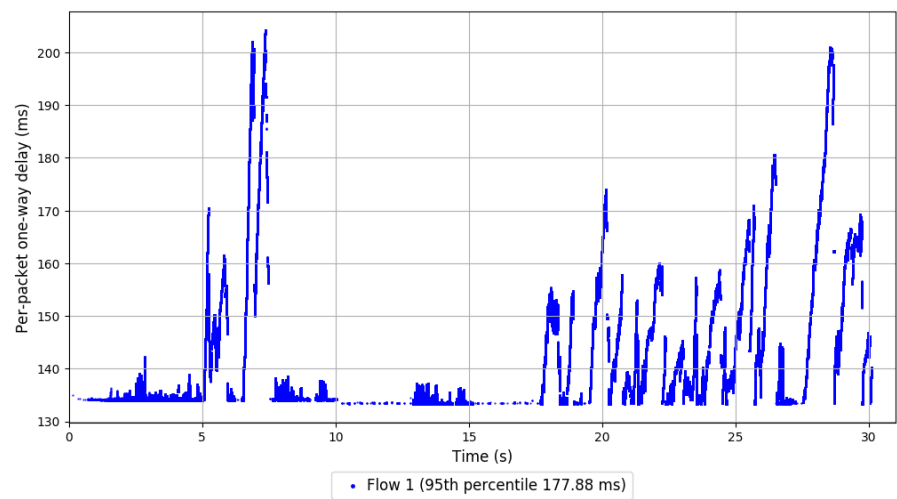
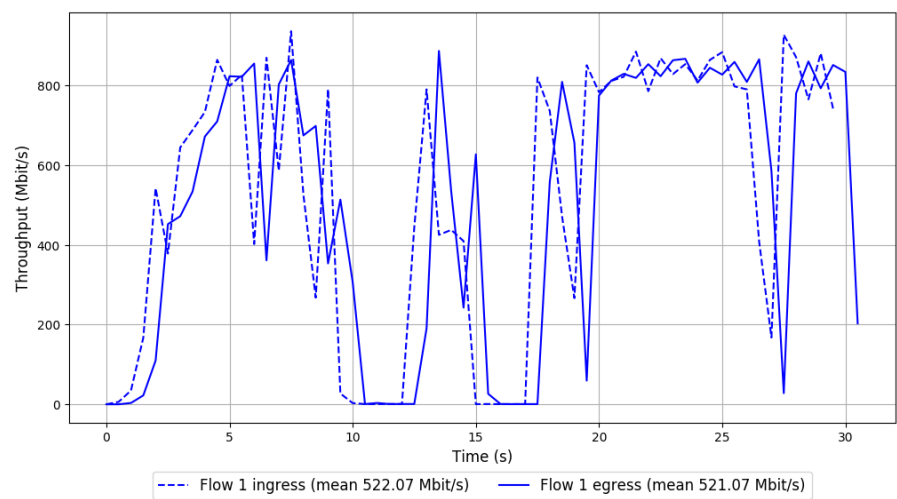
-- Flow 1:

Average throughput: 521.07 Mbit/s

95th percentile per-packet one-way delay: 177.877 ms

Loss rate: 0.19%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2020-02-18 12:47:58

End at: 2020-02-18 12:48:28

Local clock offset: 0.283 ms

Remote clock offset: 0.146 ms

Below is generated by plot.py at 2020-02-18 13:42:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 642.61 Mbit/s

95th percentile per-packet one-way delay: 167.845 ms

Loss rate: 0.01%

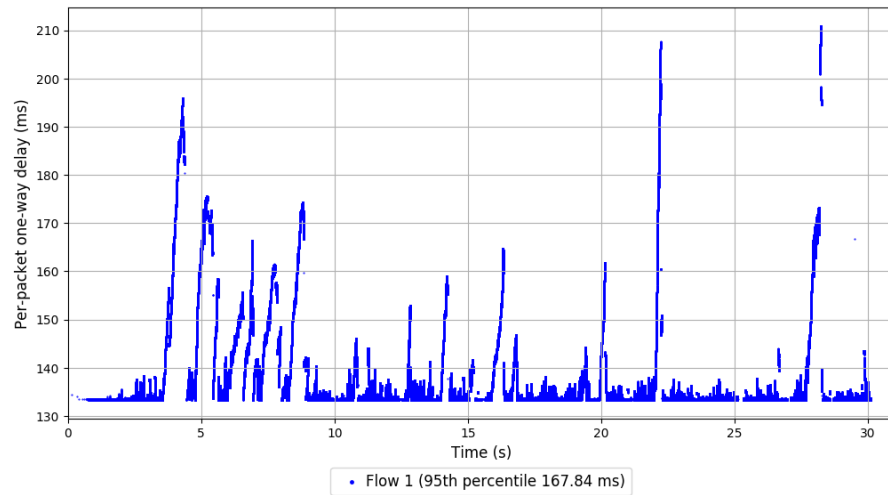
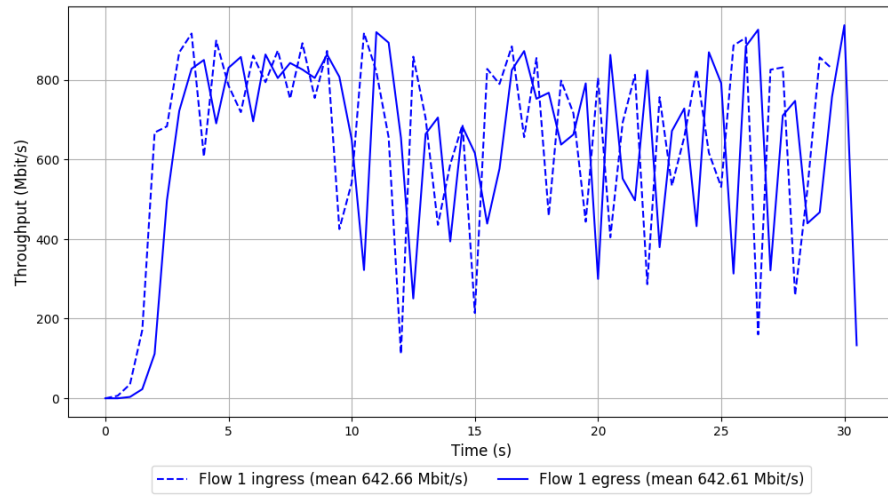
-- Flow 1:

Average throughput: 642.61 Mbit/s

95th percentile per-packet one-way delay: 167.845 ms

Loss rate: 0.01%

Run 5: Report of FillP — Data Link

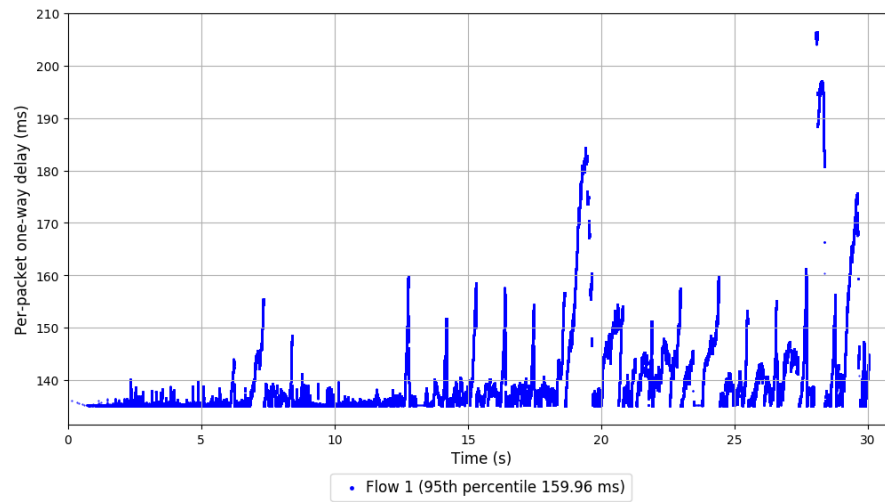
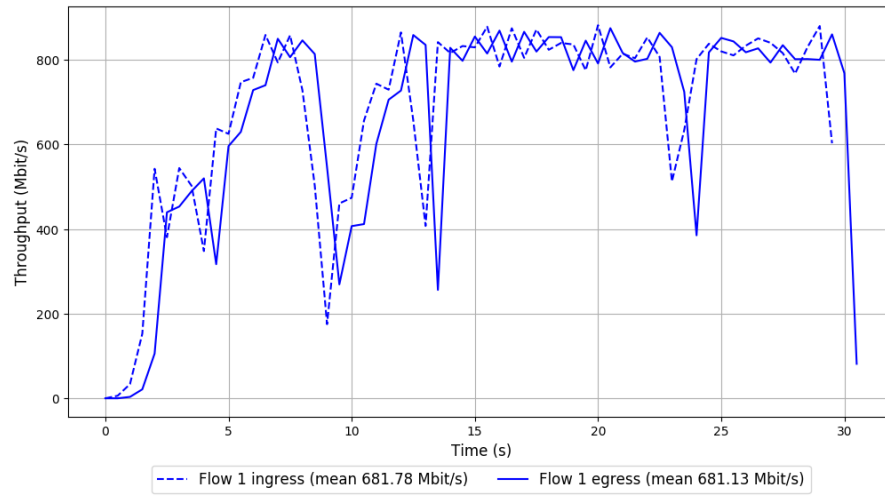


Run 1: Statistics of FillP-Sheep

Start at: 2020-02-18 10:16:40
End at: 2020-02-18 10:17:10
Local clock offset: -0.084 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2020-02-18 13:43:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 681.13 Mbit/s
95th percentile per-packet one-way delay: 159.963 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 681.13 Mbit/s
95th percentile per-packet one-way delay: 159.963 ms
Loss rate: 0.10%

Run 1: Report of FillP-Sheep — Data Link

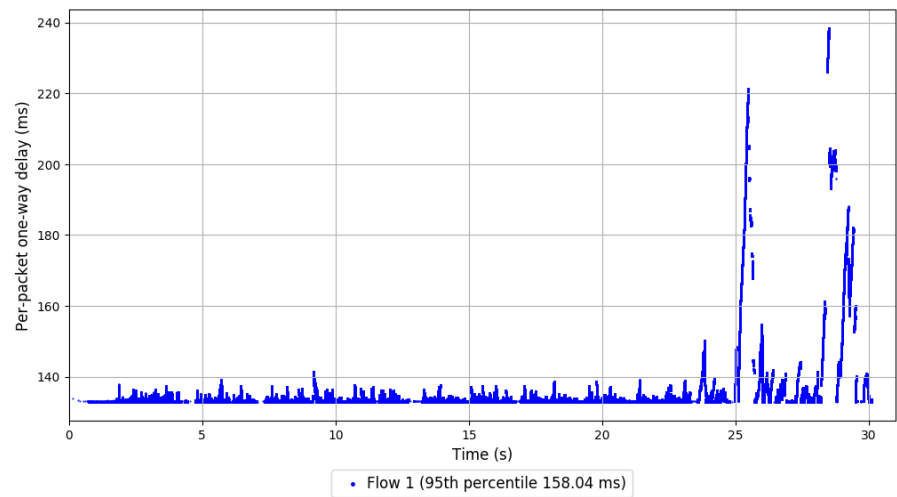
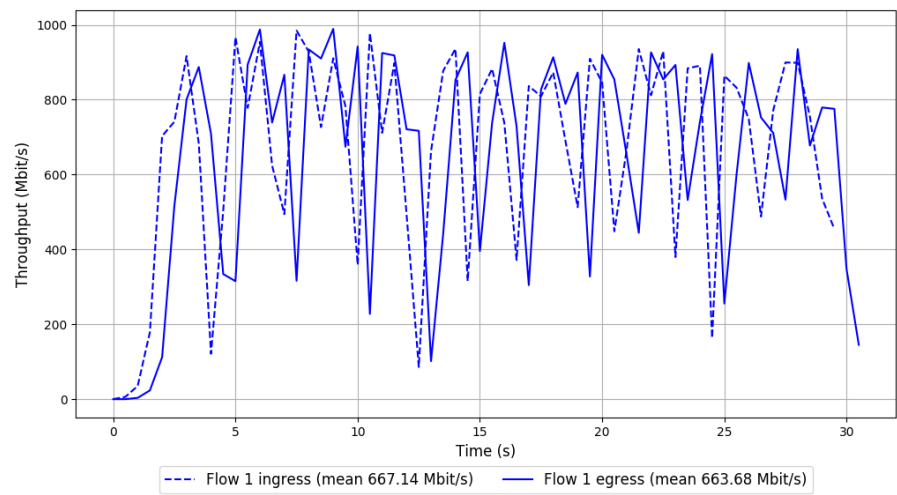


Run 2: Statistics of FillP-Sheep

Start at: 2020-02-18 10:52:36
End at: 2020-02-18 10:53:06
Local clock offset: -0.04 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2020-02-18 13:44:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 663.68 Mbit/s
95th percentile per-packet one-way delay: 158.041 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 663.68 Mbit/s
95th percentile per-packet one-way delay: 158.041 ms
Loss rate: 0.52%

Run 2: Report of FillP-Sheep — Data Link

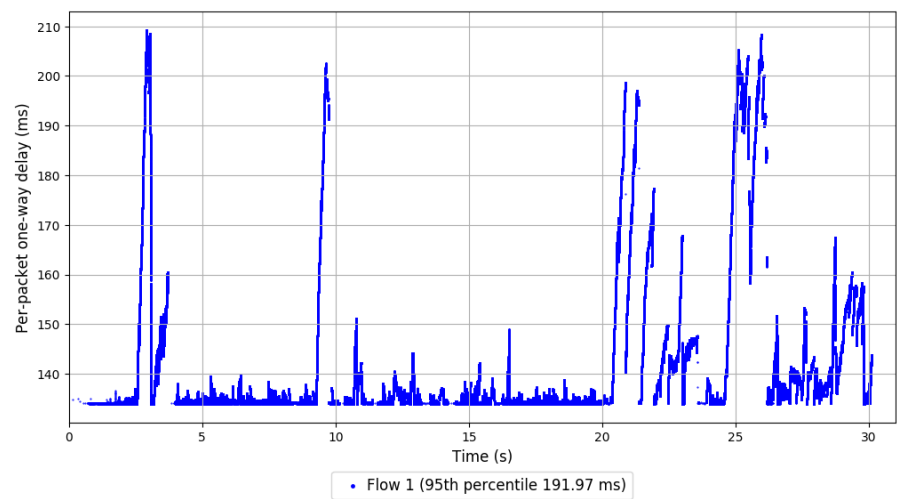
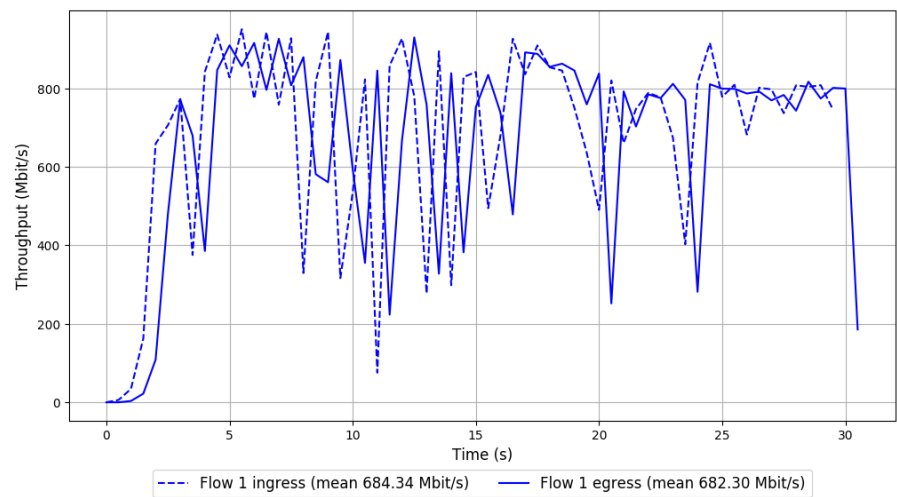


Run 3: Statistics of FillP-Sheep

Start at: 2020-02-18 11:28:03
End at: 2020-02-18 11:28:33
Local clock offset: -0.099 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2020-02-18 13:47:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 682.30 Mbit/s
95th percentile per-packet one-way delay: 191.967 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 682.30 Mbit/s
95th percentile per-packet one-way delay: 191.967 ms
Loss rate: 0.29%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2020-02-18 12:03:44

End at: 2020-02-18 12:04:14

Local clock offset: 0.264 ms

Remote clock offset: 0.051 ms

Below is generated by plot.py at 2020-02-18 13:56:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 648.43 Mbit/s

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

Loss rate: 0.05%

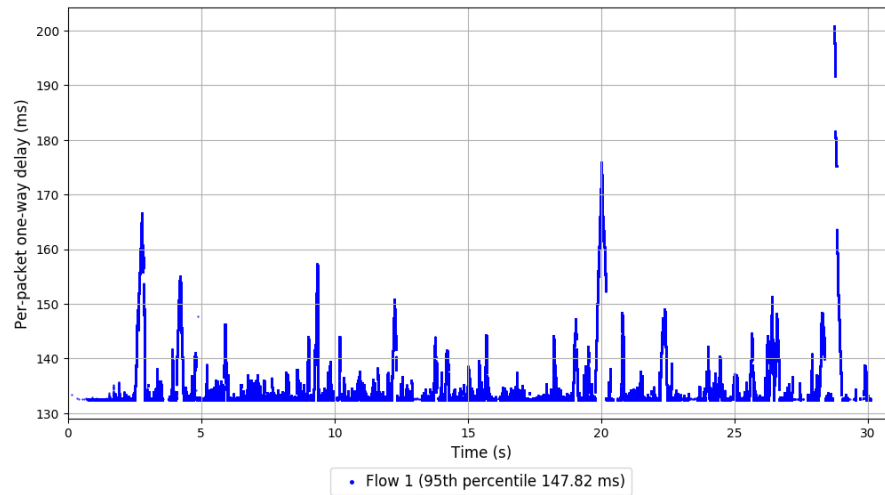
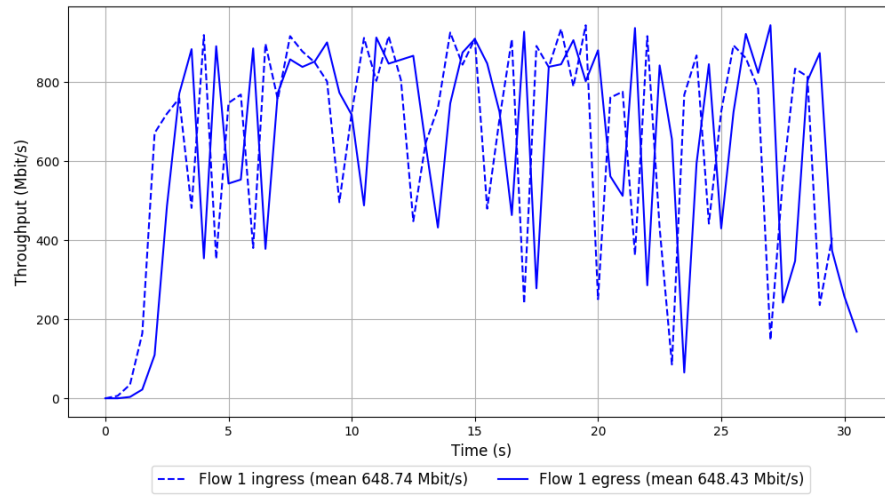
-- Flow 1:

Average throughput: 648.43 Mbit/s

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

Loss rate: 0.05%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2020-02-18 12:39:20

End at: 2020-02-18 12:39:50

Local clock offset: -0.1 ms

Remote clock offset: 0.153 ms

Below is generated by plot.py at 2020-02-18 13:56:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 603.33 Mbit/s

95th percentile per-packet one-way delay: 149.332 ms

Loss rate: 0.00%

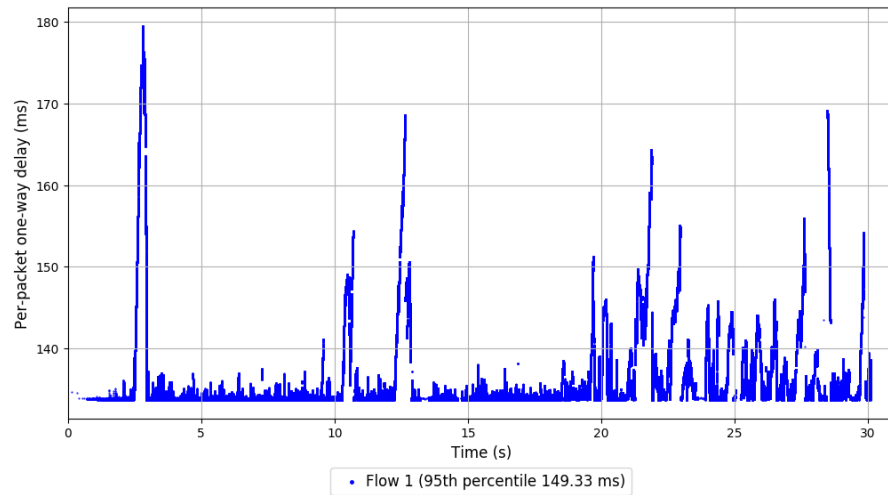
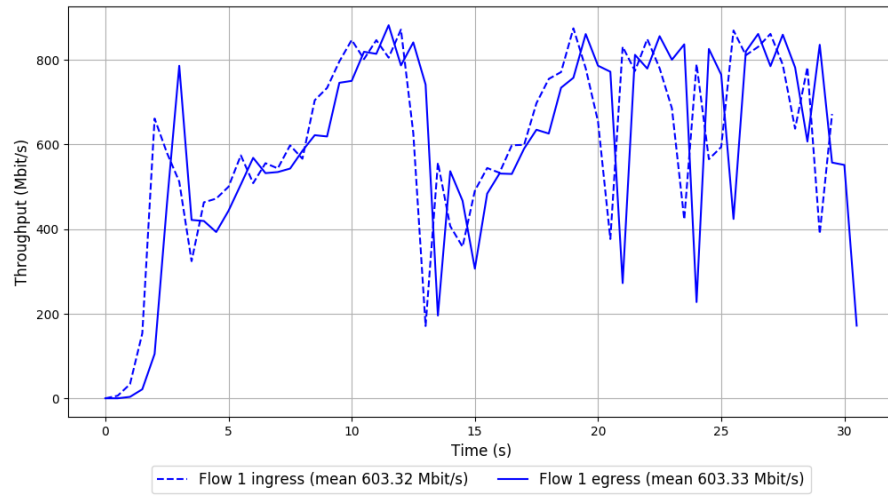
-- Flow 1:

Average throughput: 603.33 Mbit/s

95th percentile per-packet one-way delay: 149.332 ms

Loss rate: 0.00%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2020-02-18 10:06:42

End at: 2020-02-18 10:07:12

Local clock offset: -0.038 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2020-02-18 13:56:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 145.21 Mbit/s

95th percentile per-packet one-way delay: 134.938 ms

Loss rate: 0.00%

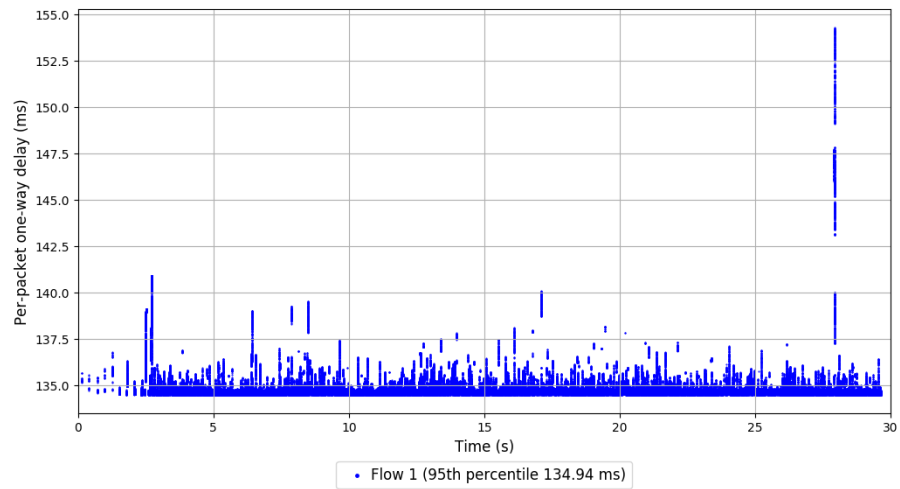
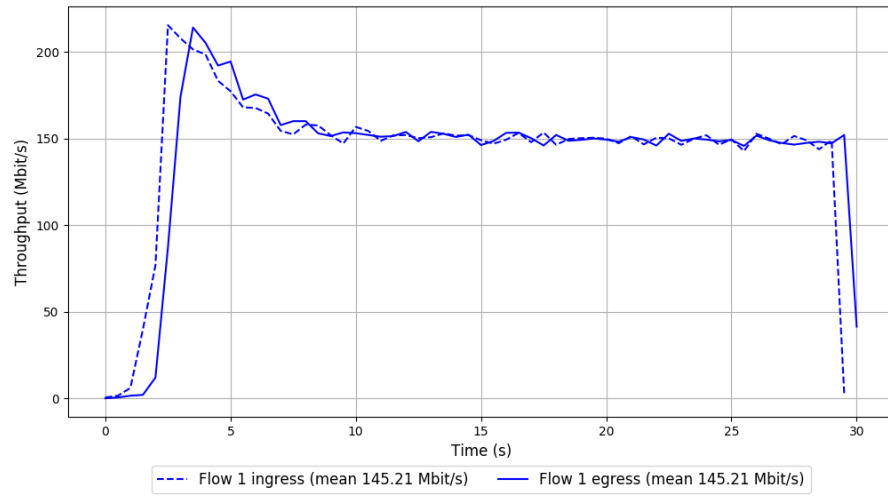
-- Flow 1:

Average throughput: 145.21 Mbit/s

95th percentile per-packet one-way delay: 134.938 ms

Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

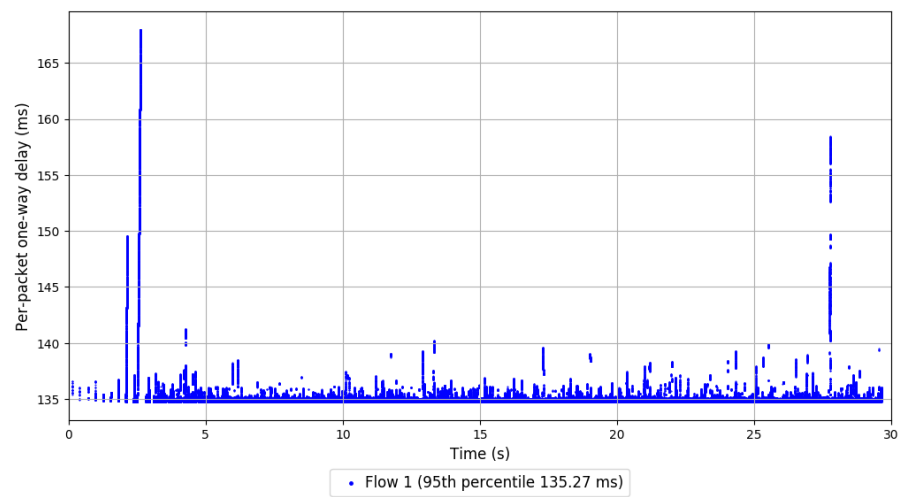
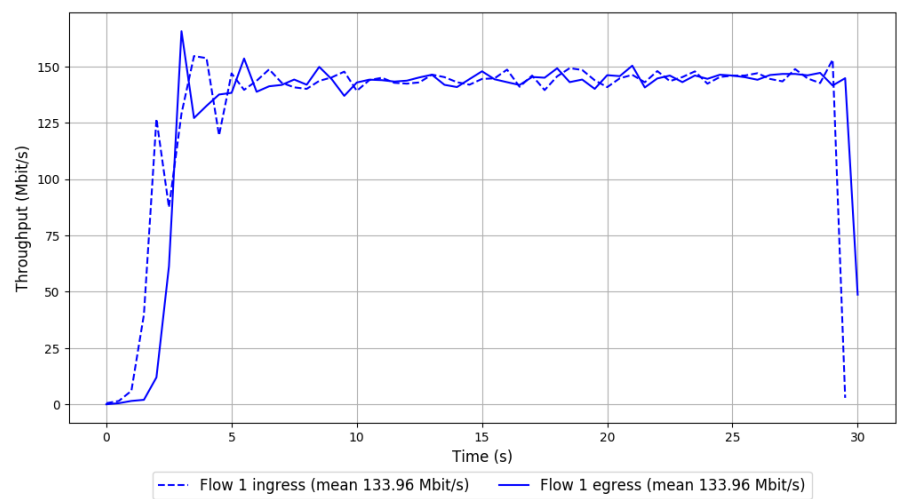


Run 2: Statistics of Indigo

Start at: 2020-02-18 10:42:00
End at: 2020-02-18 10:42:30
Local clock offset: 0.259 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2020-02-18 13:56:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 133.96 Mbit/s
95th percentile per-packet one-way delay: 135.274 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 133.96 Mbit/s
95th percentile per-packet one-way delay: 135.274 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

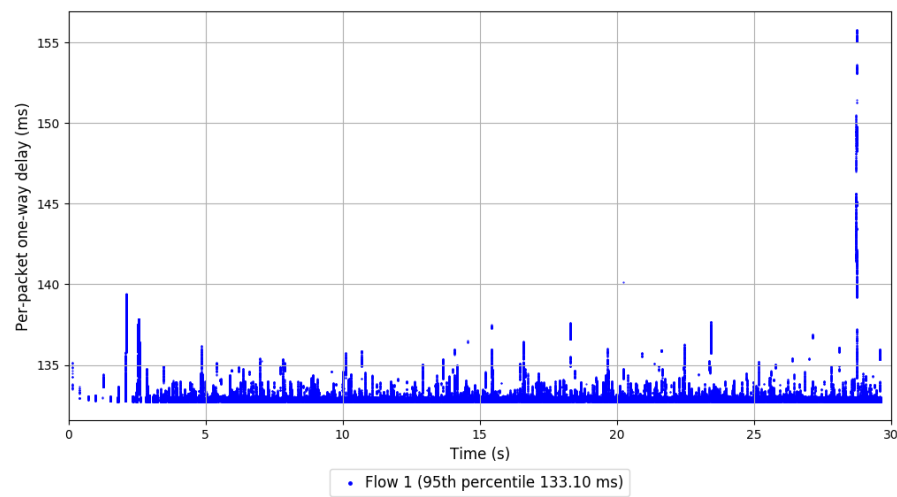
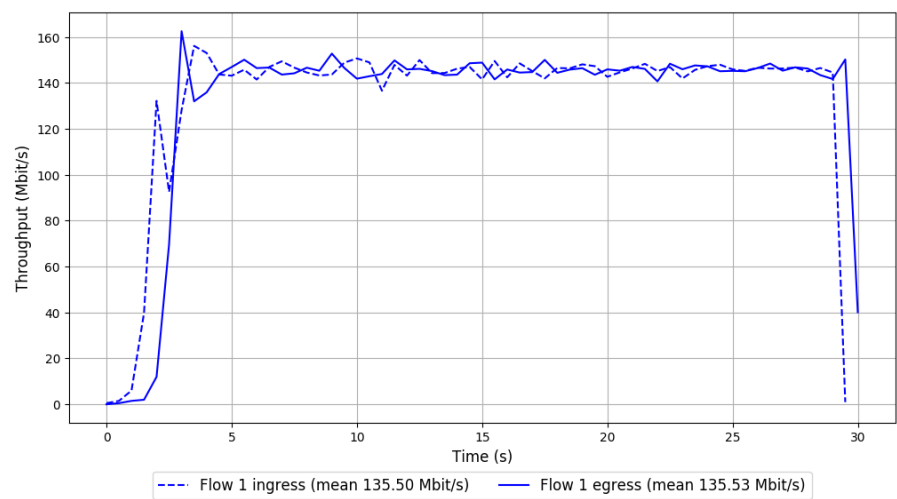


Run 3: Statistics of Indigo

Start at: 2020-02-18 11:18:05
End at: 2020-02-18 11:18:35
Local clock offset: -0.084 ms
Remote clock offset: -0.125 ms

Below is generated by plot.py at 2020-02-18 13:56:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 135.53 Mbit/s
95th percentile per-packet one-way delay: 133.102 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 135.53 Mbit/s
95th percentile per-packet one-way delay: 133.102 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2020-02-18 11:53:13

End at: 2020-02-18 11:53:43

Local clock offset: -0.06 ms

Remote clock offset: -0.004 ms

Below is generated by plot.py at 2020-02-18 13:56:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 140.25 Mbit/s

95th percentile per-packet one-way delay: 135.475 ms

Loss rate: 0.00%

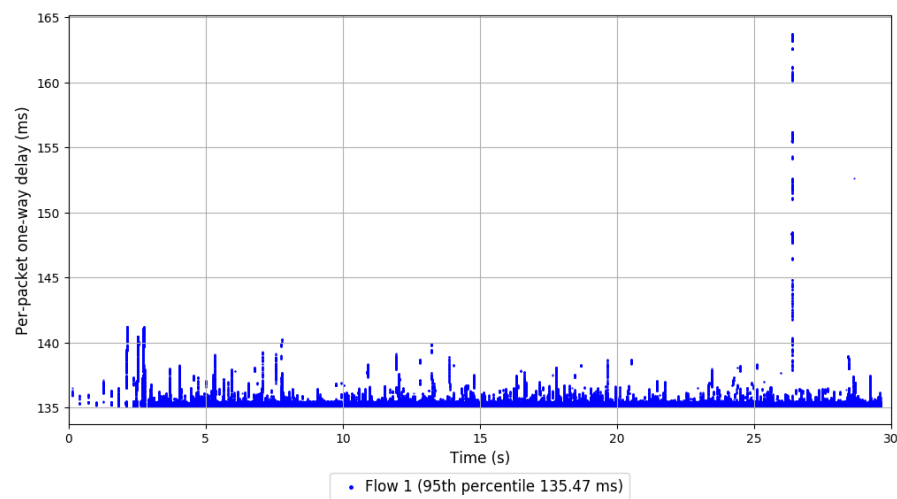
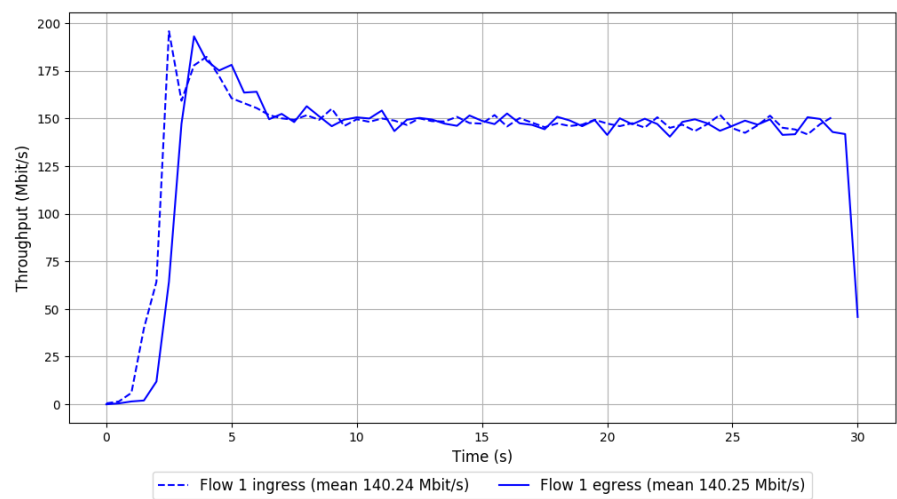
-- Flow 1:

Average throughput: 140.25 Mbit/s

95th percentile per-packet one-way delay: 135.475 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2020-02-18 12:28:59

End at: 2020-02-18 12:29:30

Local clock offset: -0.05 ms

Remote clock offset: 0.132 ms

Below is generated by plot.py at 2020-02-18 13:56:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 134.58 Mbit/s

95th percentile per-packet one-way delay: 134.282 ms

Loss rate: 0.00%

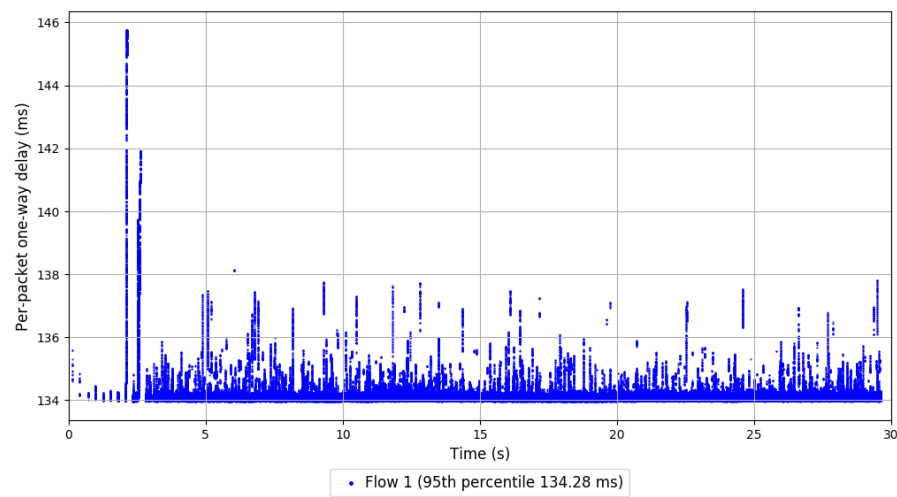
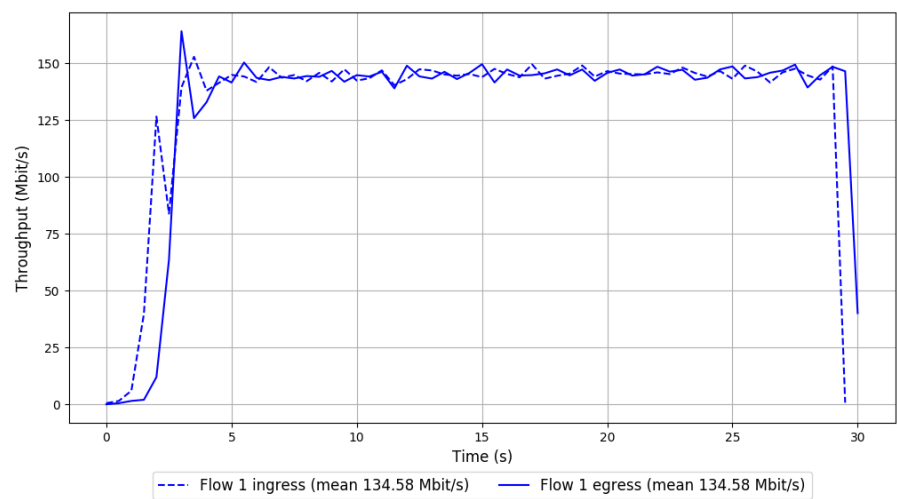
-- Flow 1:

Average throughput: 134.58 Mbit/s

95th percentile per-packet one-way delay: 134.282 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

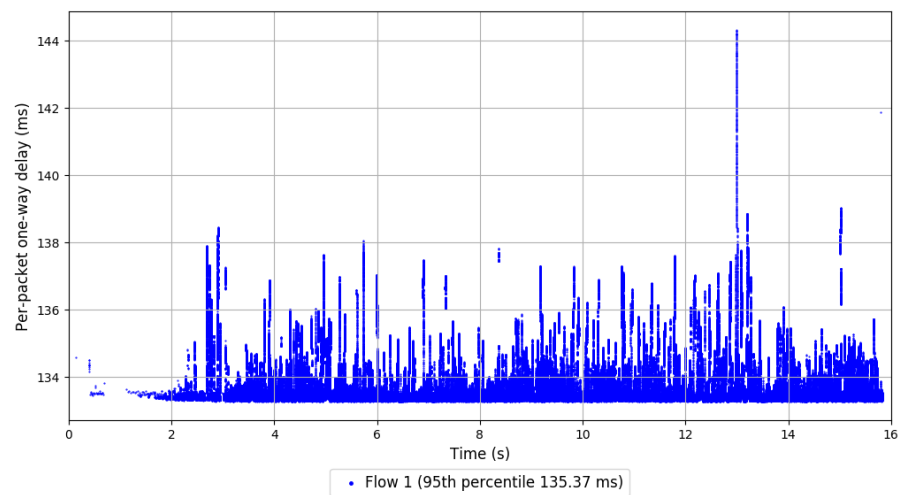
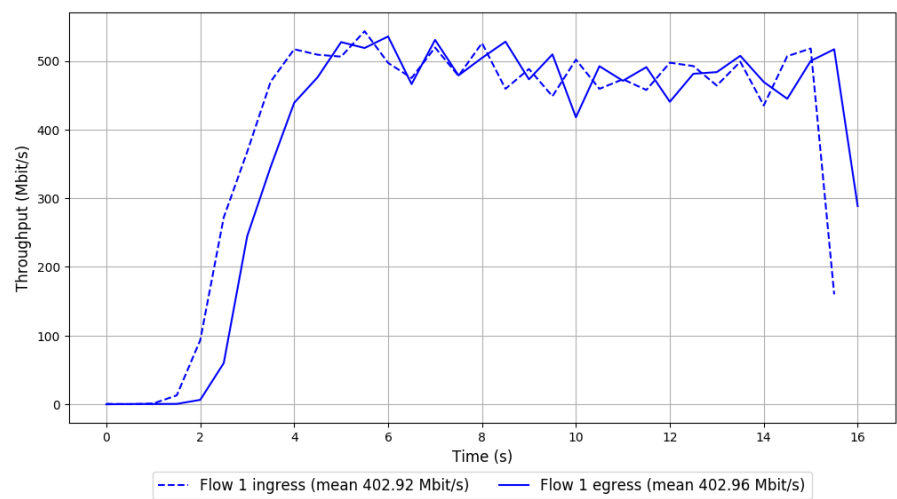
Start at: 2020-02-18 09:56:26

End at: 2020-02-18 09:56:56

Local clock offset: -0.033 ms

Remote clock offset: -0.007 ms

Run 1: Report of Indigo-MusesC3 — Data Link

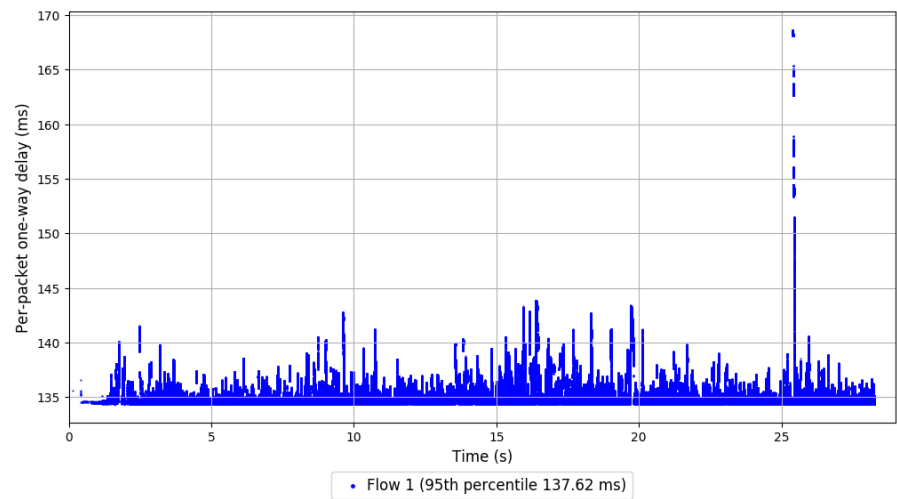
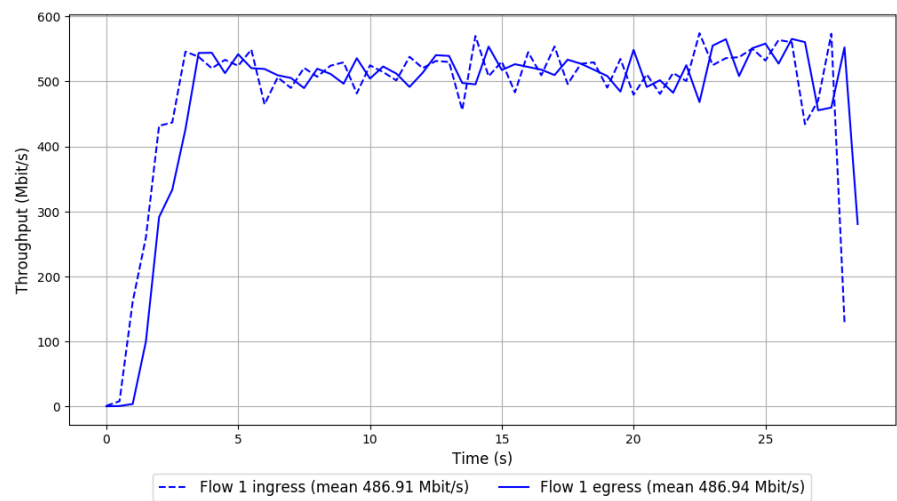


Run 2: Statistics of Indigo-MusesC3

Start at: 2020-02-18 10:31:13
End at: 2020-02-18 10:31:43
Local clock offset: -0.086 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2020-02-18 13:58:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 486.94 Mbit/s
95th percentile per-packet one-way delay: 137.623 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 486.94 Mbit/s
95th percentile per-packet one-way delay: 137.623 ms
Loss rate: 0.00%

Run 2: Report of Indigo-MusesC3 — Data Link

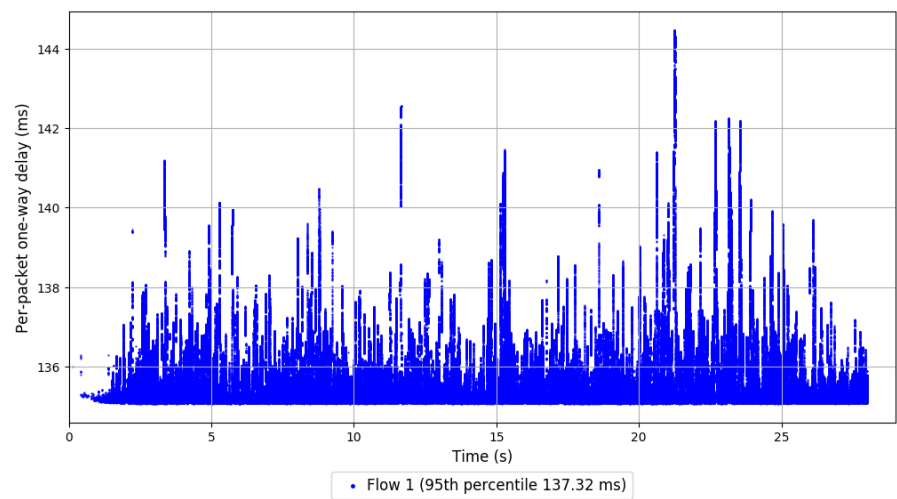
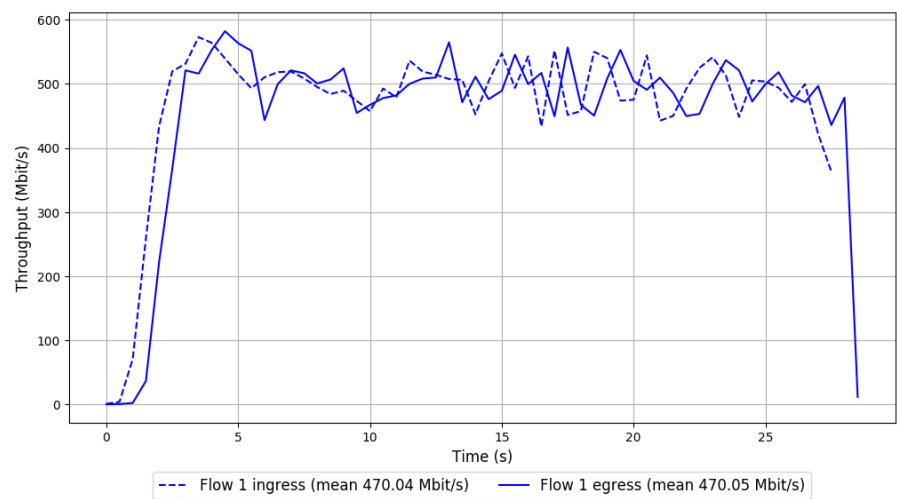


Run 3: Statistics of Indigo-MusesC3

Start at: 2020-02-18 11:07:21
End at: 2020-02-18 11:07:51
Local clock offset: -0.046 ms
Remote clock offset: -0.142 ms

Below is generated by plot.py at 2020-02-18 13:58:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 470.05 Mbit/s
95th percentile per-packet one-way delay: 137.323 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 470.05 Mbit/s
95th percentile per-packet one-way delay: 137.323 ms
Loss rate: 0.00%

Run 3: Report of Indigo-MusesC3 — Data Link

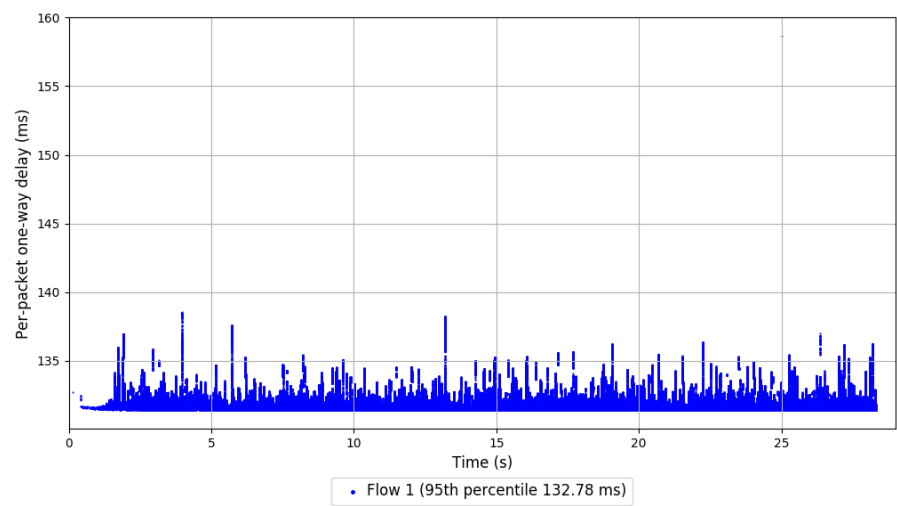
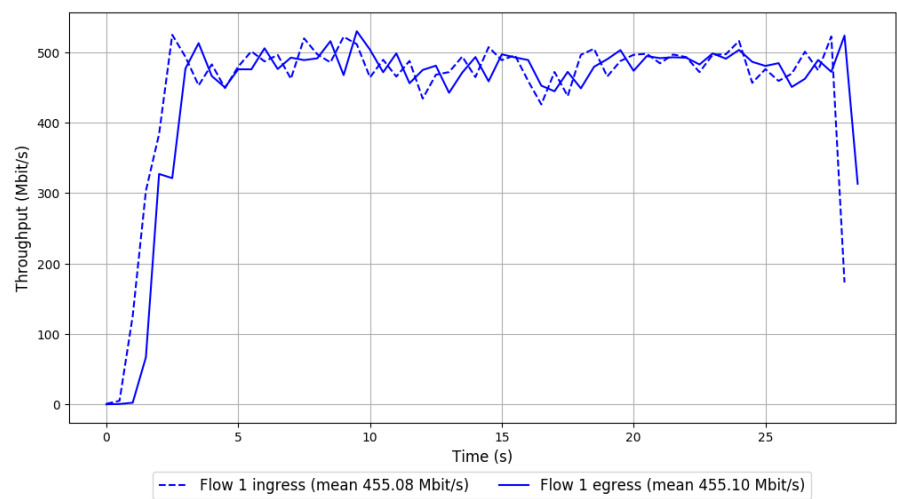


Run 4: Statistics of Indigo-MusesC3

Start at: 2020-02-18 11:42:42
End at: 2020-02-18 11:43:12
Local clock offset: 0.255 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2020-02-18 13:59:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 455.10 Mbit/s
95th percentile per-packet one-way delay: 132.778 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 455.10 Mbit/s
95th percentile per-packet one-way delay: 132.778 ms
Loss rate: 0.00%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2020-02-18 12:18:01

End at: 2020-02-18 12:18:31

Local clock offset: -0.115 ms

Remote clock offset: 0.077 ms

Below is generated by plot.py at 2020-02-18 14:02:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 498.09 Mbit/s

95th percentile per-packet one-way delay: 146.487 ms

Loss rate: 0.00%

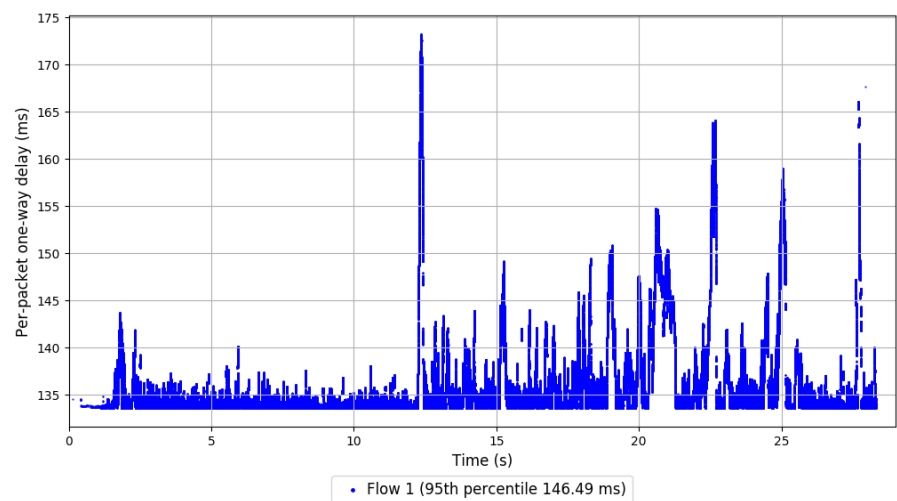
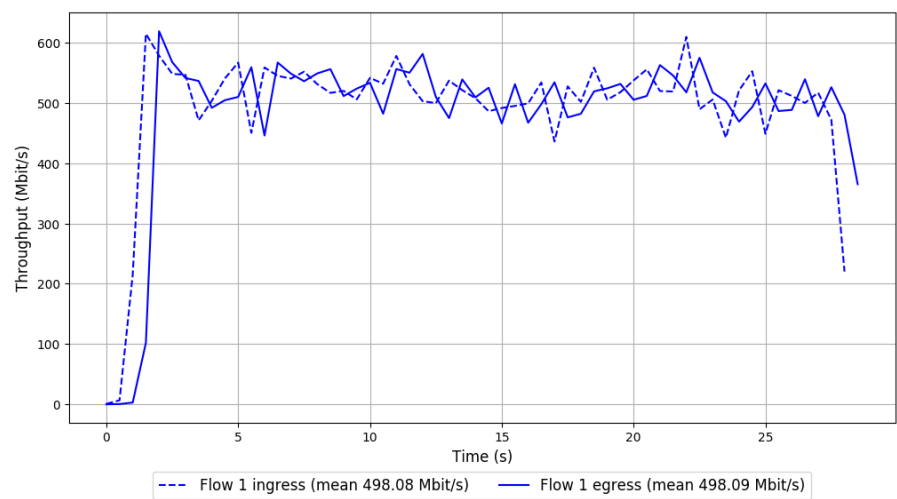
-- Flow 1:

Average throughput: 498.09 Mbit/s

95th percentile per-packet one-way delay: 146.487 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesC3 — Data Link

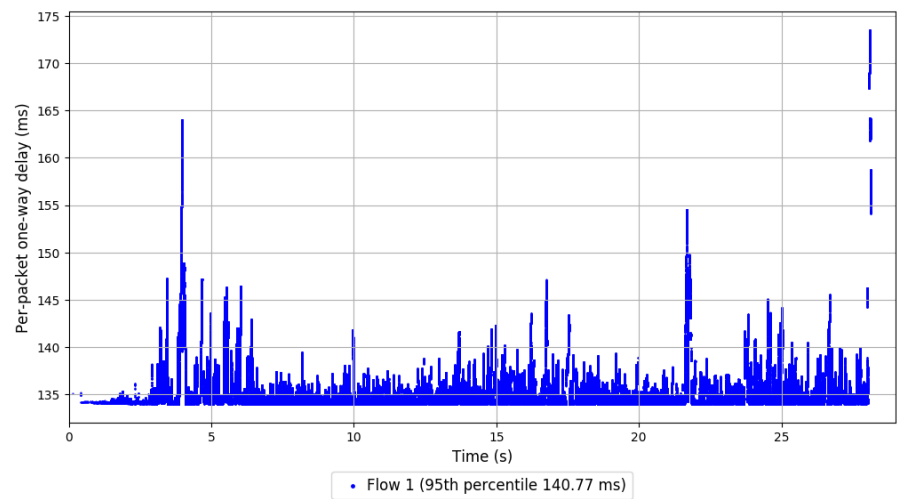
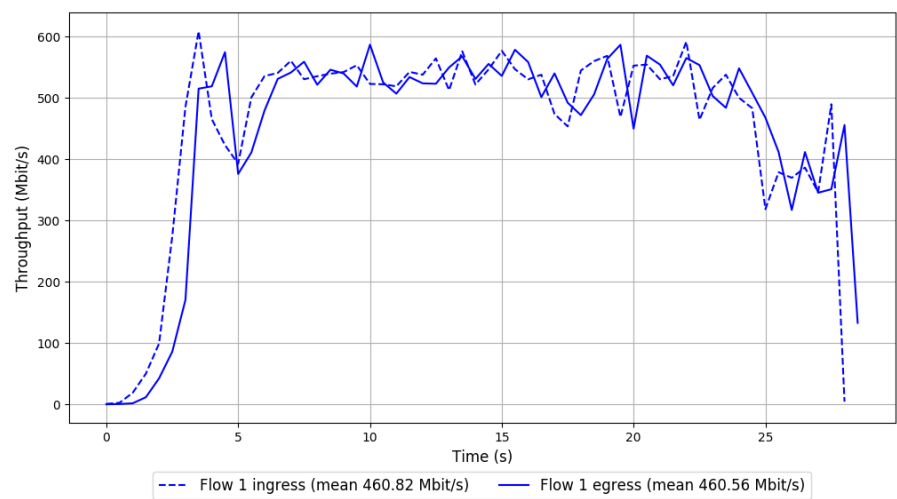


Run 1: Statistics of Indigo-MusesC5

Start at: 2020-02-18 10:22:23
End at: 2020-02-18 10:22:53
Local clock offset: -0.096 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2020-02-18 14:02:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 460.56 Mbit/s
95th percentile per-packet one-way delay: 140.773 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 460.56 Mbit/s
95th percentile per-packet one-way delay: 140.773 ms
Loss rate: 0.06%

Run 1: Report of Indigo-MusesC5 — Data Link

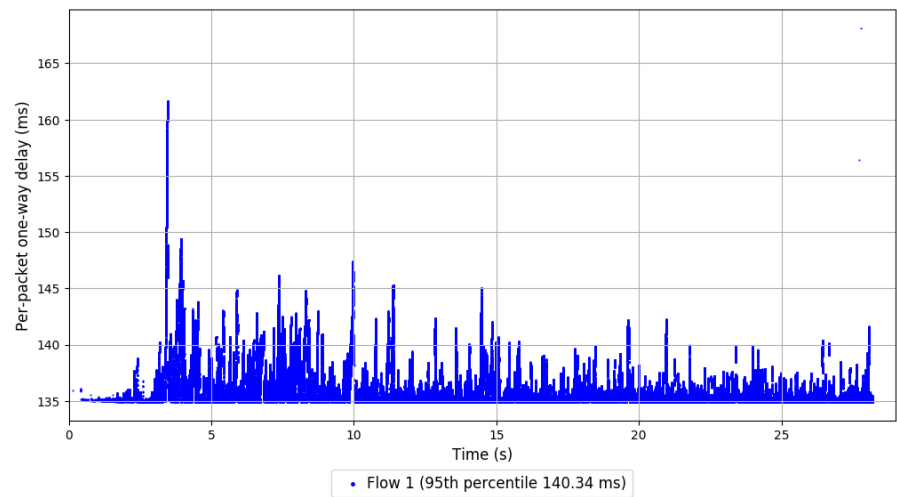
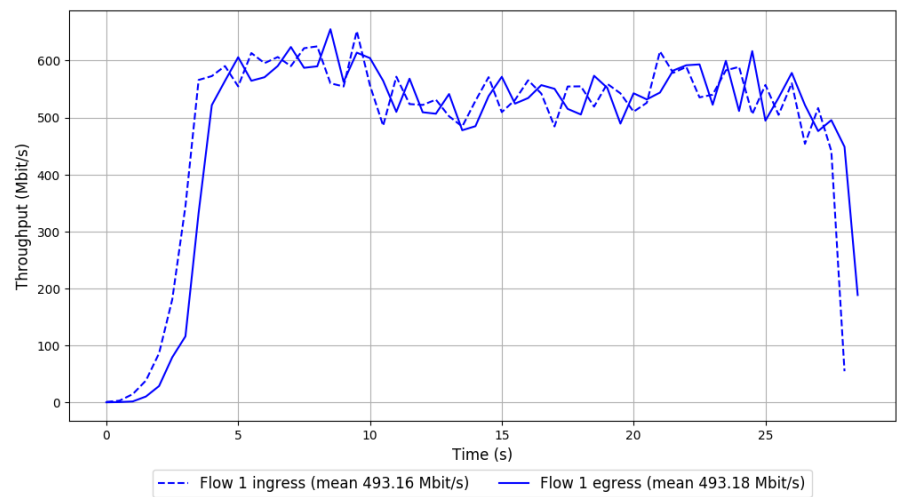


Run 2: Statistics of Indigo-MusesC5

Start at: 2020-02-18 10:58:21
End at: 2020-02-18 10:58:51
Local clock offset: 0.122 ms
Remote clock offset: -0.134 ms

Below is generated by plot.py at 2020-02-18 14:03:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 493.18 Mbit/s
95th percentile per-packet one-way delay: 140.342 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 493.18 Mbit/s
95th percentile per-packet one-way delay: 140.342 ms
Loss rate: 0.00%

Run 2: Report of Indigo-MusesC5 — Data Link

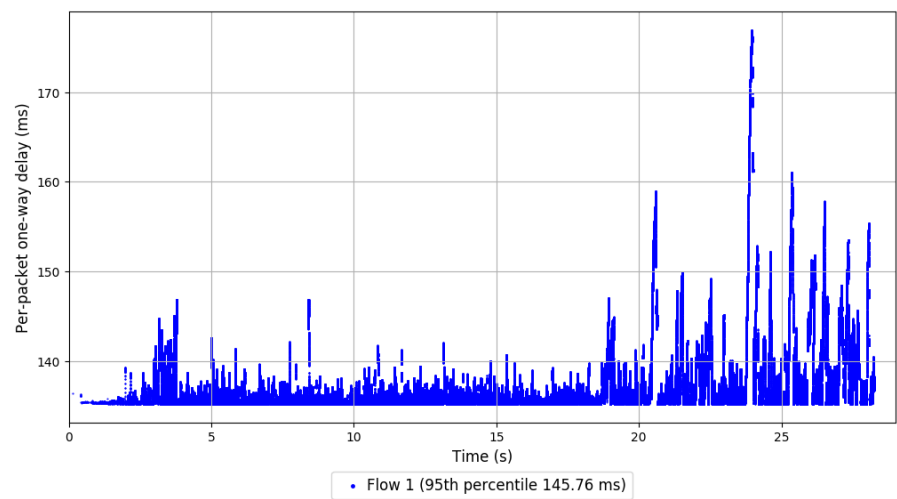
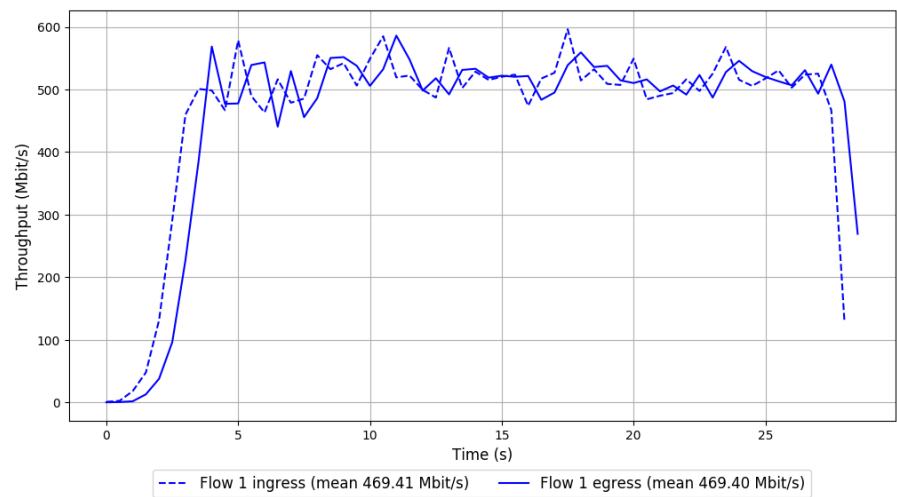


Run 3: Statistics of Indigo-MusesC5

Start at: 2020-02-18 11:33:51
End at: 2020-02-18 11:34:21
Local clock offset: -0.116 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2020-02-18 14:07:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 469.40 Mbit/s
95th percentile per-packet one-way delay: 145.765 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 469.40 Mbit/s
95th percentile per-packet one-way delay: 145.765 ms
Loss rate: 0.00%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2020-02-18 12:09:29

End at: 2020-02-18 12:09:59

Local clock offset: -0.094 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2020-02-18 14:07:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 446.74 Mbit/s

95th percentile per-packet one-way delay: 158.983 ms

Loss rate: 0.06%

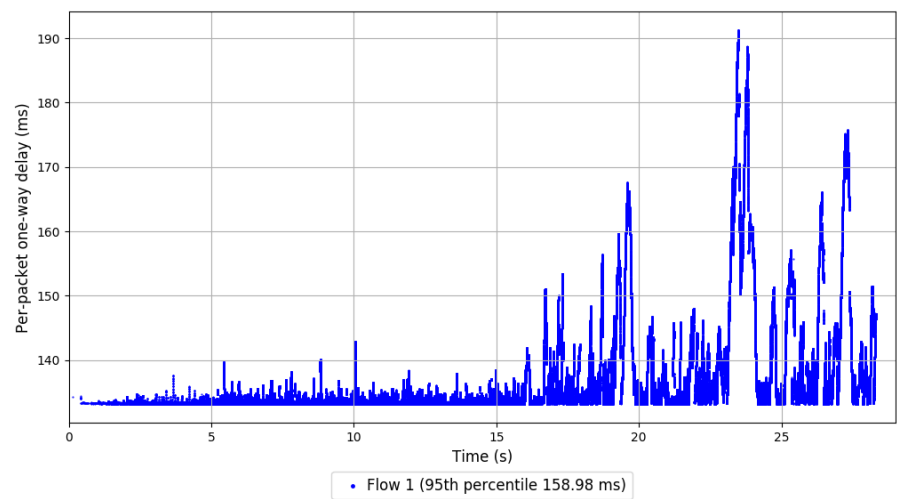
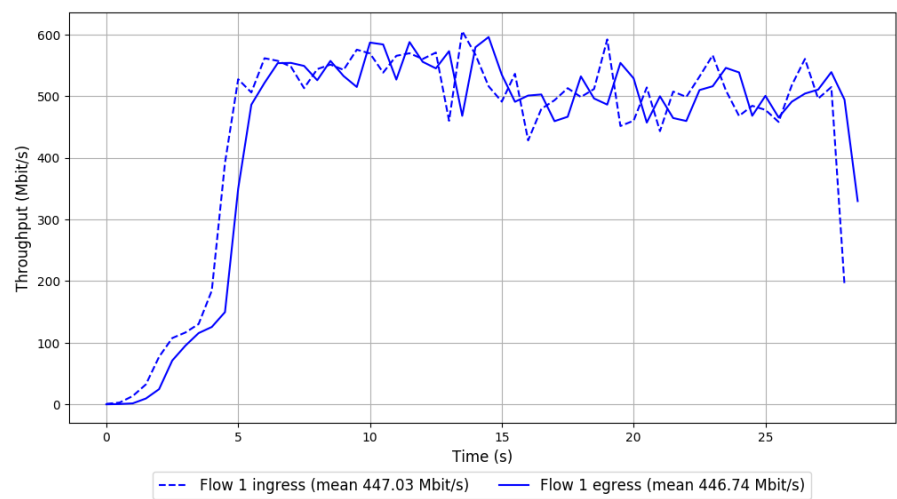
-- Flow 1:

Average throughput: 446.74 Mbit/s

95th percentile per-packet one-way delay: 158.983 ms

Loss rate: 0.06%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2020-02-18 12:45:03

End at: 2020-02-18 12:45:33

Local clock offset: -0.072 ms

Remote clock offset: 0.162 ms

Below is generated by plot.py at 2020-02-18 14:10:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 464.20 Mbit/s

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

Loss rate: 0.00%

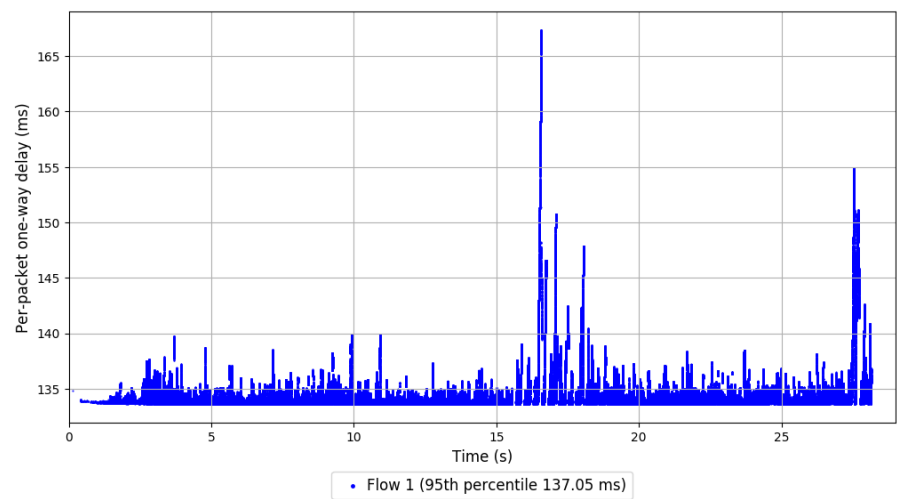
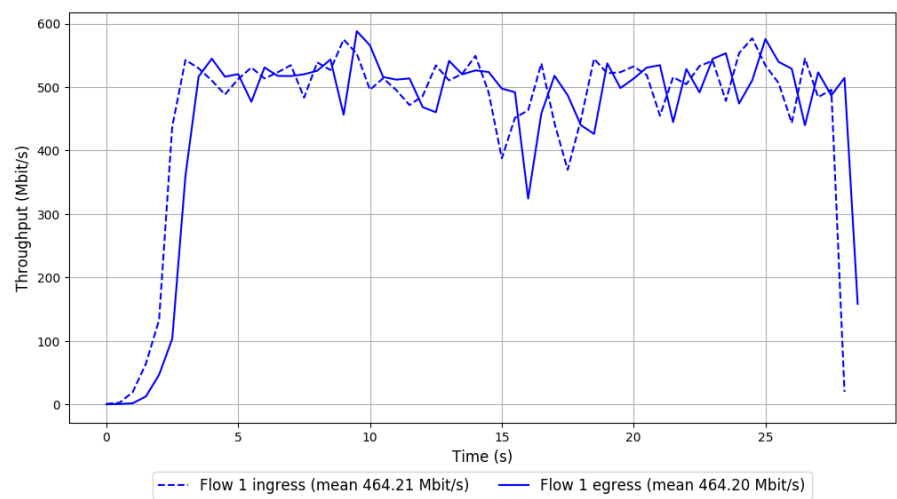
-- Flow 1:

Average throughput: 464.20 Mbit/s

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

Loss rate: 0.00%

Run 5: Report of Indigo-MusesC5 — Data Link

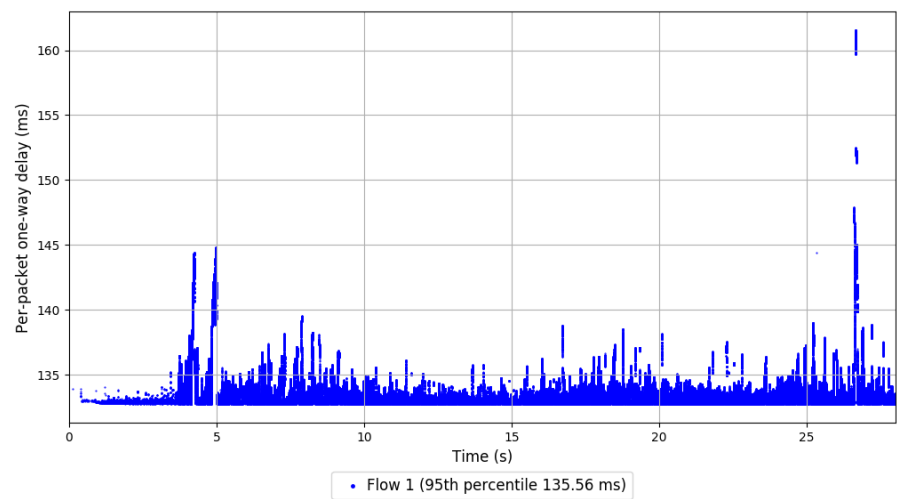
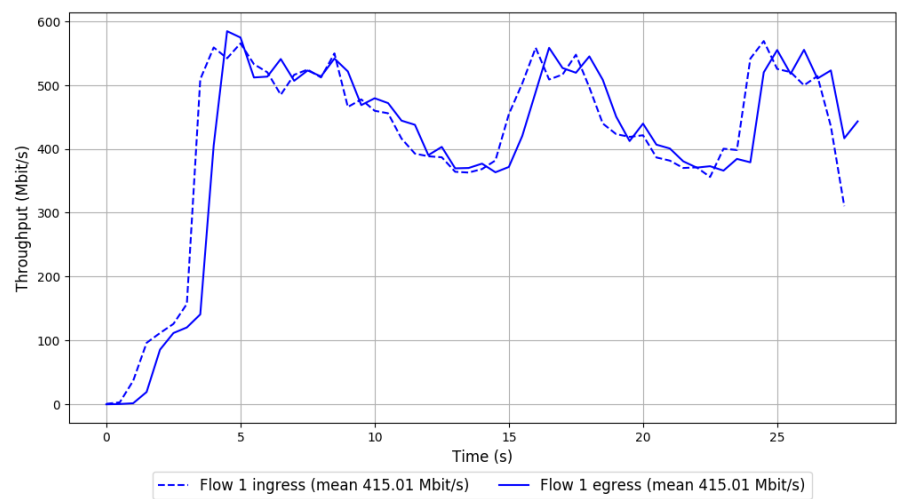


```
Run 1: Statistics of Indigo-MusesD

Start at: 2020-02-18 10:00:19
End at: 2020-02-18 10:00:49
Local clock offset: 0.039 ms
Remote clock offset: 0.027 ms

# Below is generated by plot.py at 2020-02-18 14:10:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 415.01 Mbit/s
95th percentile per-packet one-way delay: 135.557 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 415.01 Mbit/s
95th percentile per-packet one-way delay: 135.557 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2020-02-18 10:35:58

End at: 2020-02-18 10:36:28

Local clock offset: -0.098 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2020-02-18 14:10:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 428.01 Mbit/s

95th percentile per-packet one-way delay: 137.096 ms

Loss rate: 0.01%

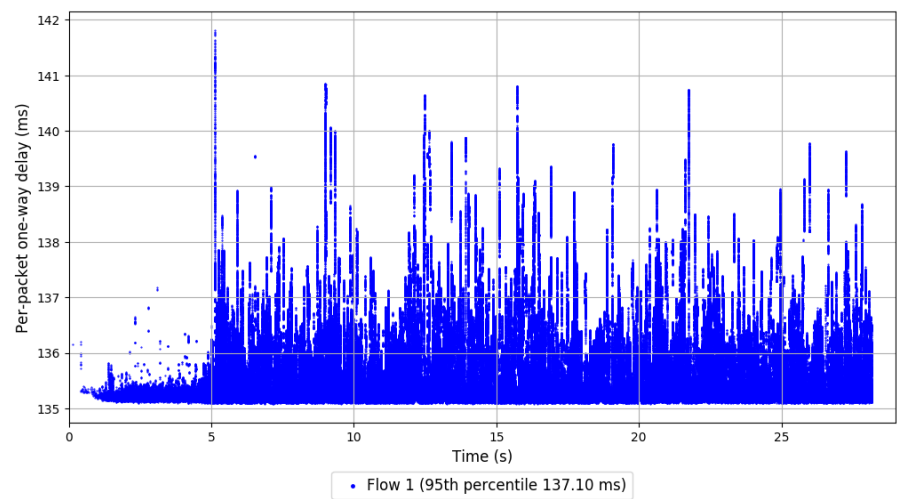
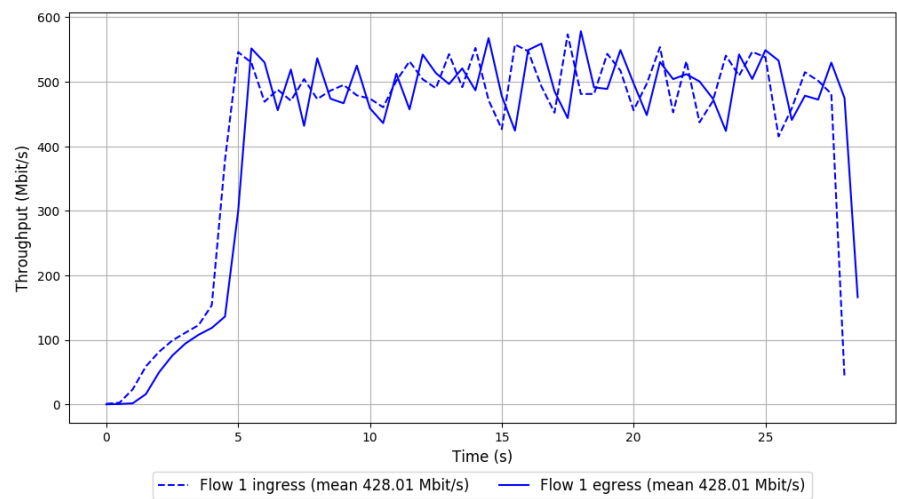
-- Flow 1:

Average throughput: 428.01 Mbit/s

95th percentile per-packet one-way delay: 137.096 ms

Loss rate: 0.01%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2020-02-18 11:11:59

End at: 2020-02-18 11:12:29

Local clock offset: 0.188 ms

Remote clock offset: -0.136 ms

Below is generated by plot.py at 2020-02-18 14:12:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 421.49 Mbit/s

95th percentile per-packet one-way delay: 158.232 ms

Loss rate: 0.00%

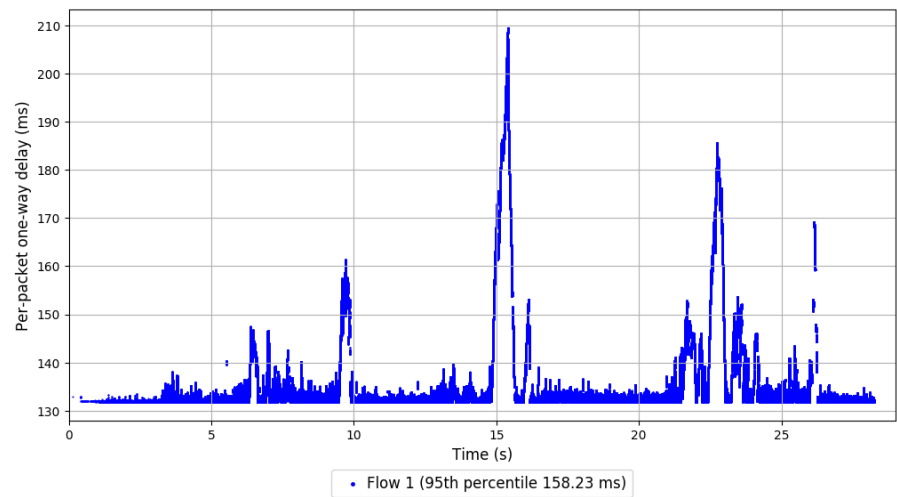
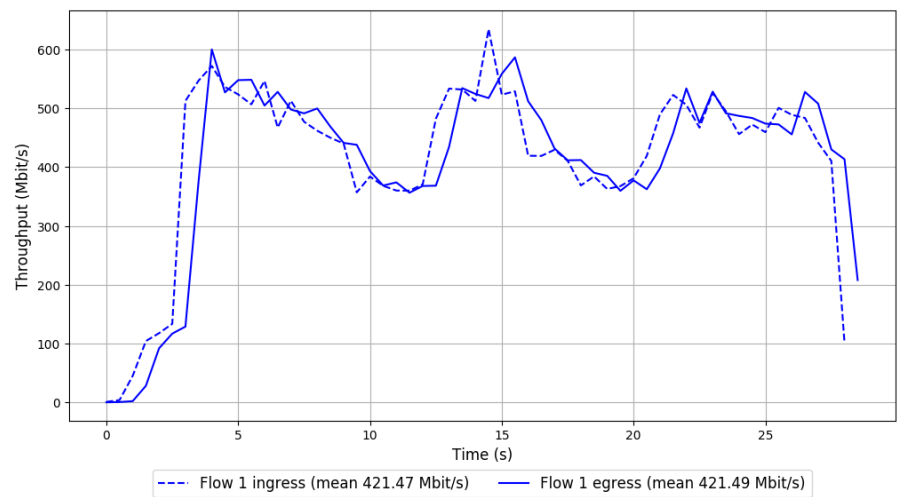
-- Flow 1:

Average throughput: 421.49 Mbit/s

95th percentile per-packet one-way delay: 158.232 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2020-02-18 11:47:15

End at: 2020-02-18 11:47:45

Local clock offset: -0.139 ms

Remote clock offset: -0.103 ms

Below is generated by plot.py at 2020-02-18 14:12:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 397.85 Mbit/s

95th percentile per-packet one-way delay: 135.661 ms

Loss rate: 0.00%

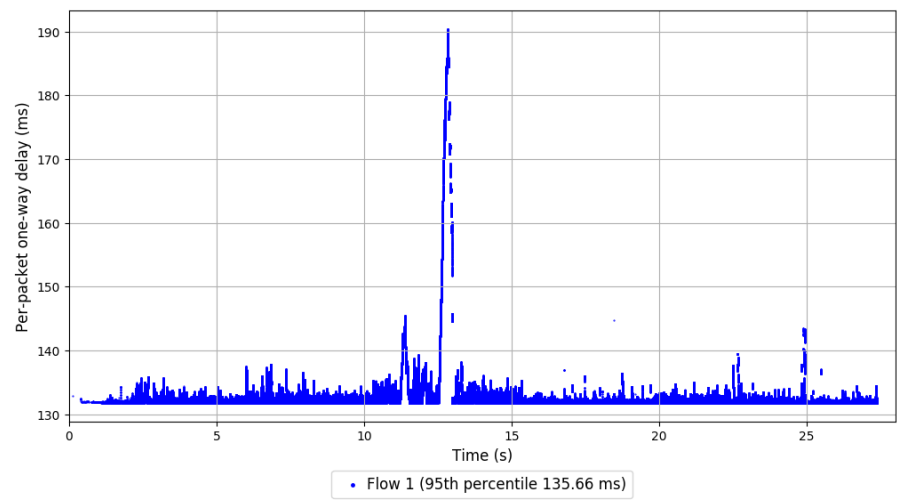
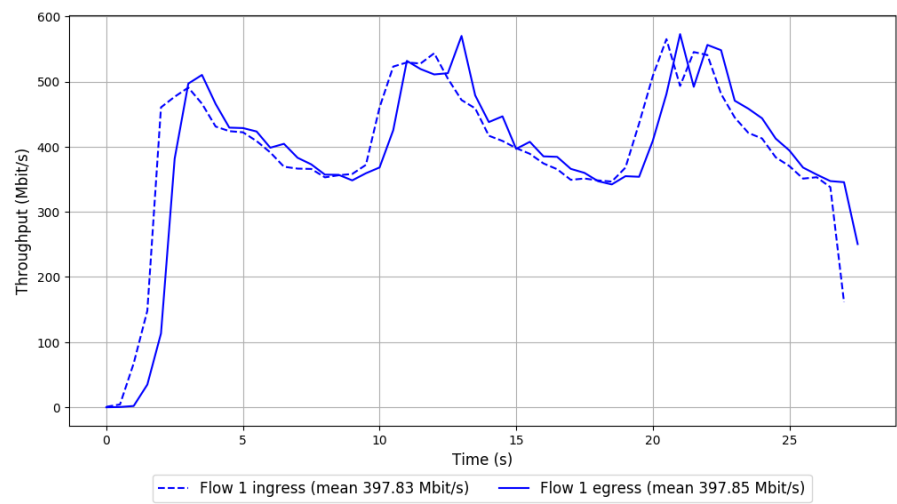
-- Flow 1:

Average throughput: 397.85 Mbit/s

95th percentile per-packet one-way delay: 135.661 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2020-02-18 12:22:41

End at: 2020-02-18 12:23:12

Local clock offset: -0.047 ms

Remote clock offset: 0.085 ms

Below is generated by plot.py at 2020-02-18 14:13:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 394.32 Mbit/s

95th percentile per-packet one-way delay: 134.569 ms

Loss rate: 0.00%

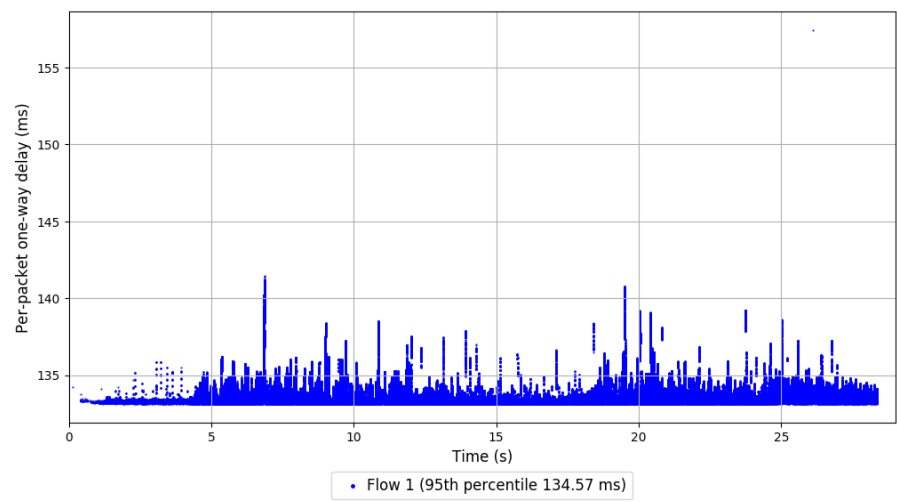
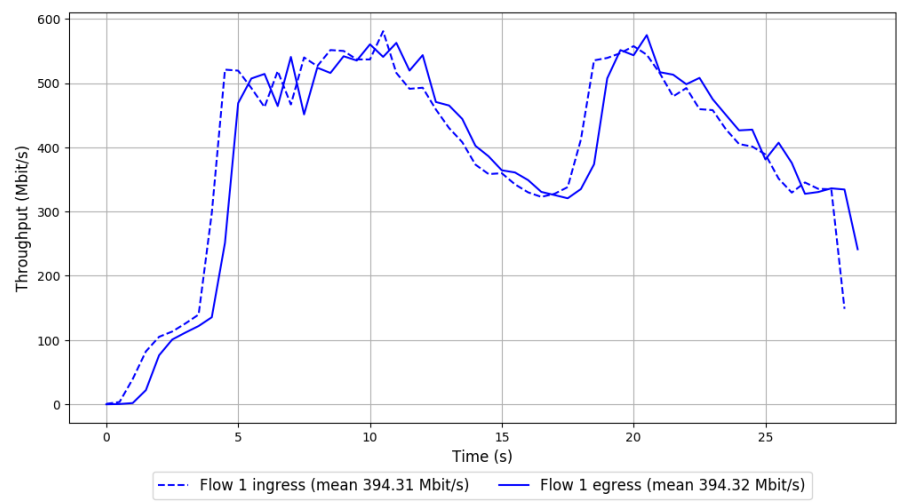
-- Flow 1:

Average throughput: 394.32 Mbit/s

95th percentile per-packet one-way delay: 134.569 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesD — Data Link

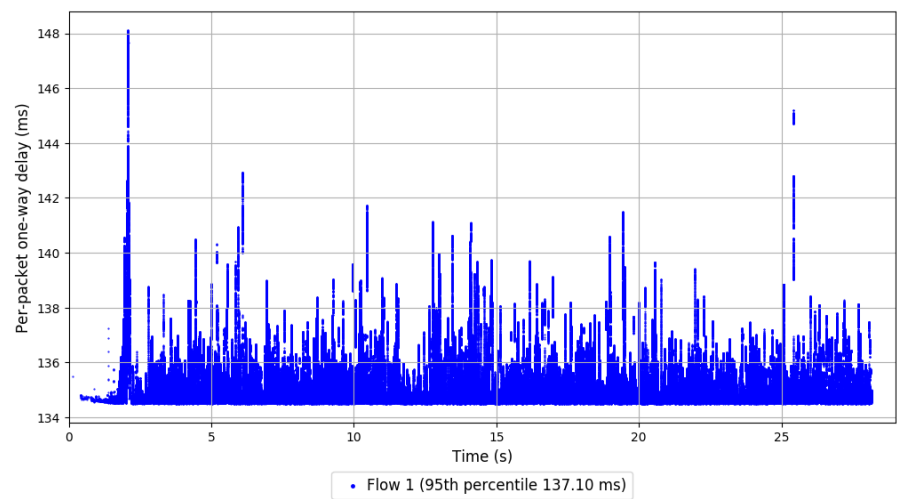
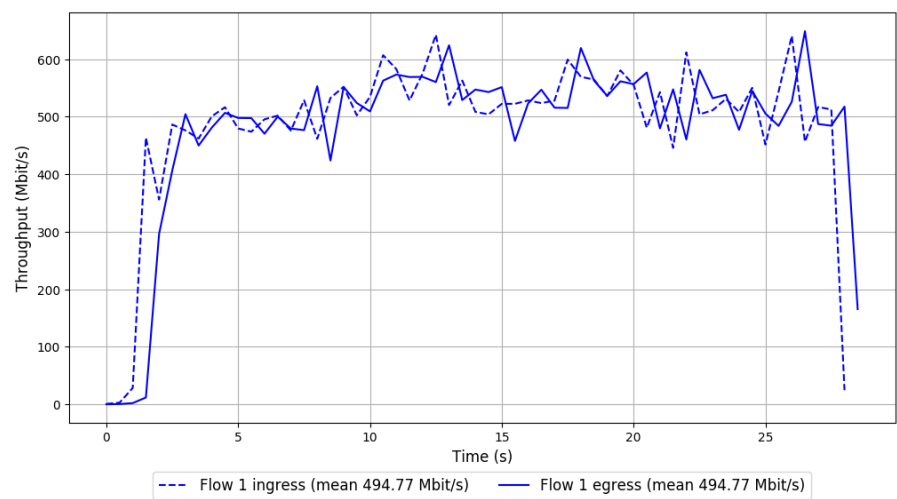


```
Run 1: Statistics of Indigo-MusesT

Start at: 2020-02-18 10:18:24
End at: 2020-02-18 10:18:54
Local clock offset: -0.065 ms
Remote clock offset: -0.011 ms

# Below is generated by plot.py at 2020-02-18 14:18:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 494.77 Mbit/s
95th percentile per-packet one-way delay: 137.102 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 494.77 Mbit/s
95th percentile per-packet one-way delay: 137.102 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-MusesT — Data Link

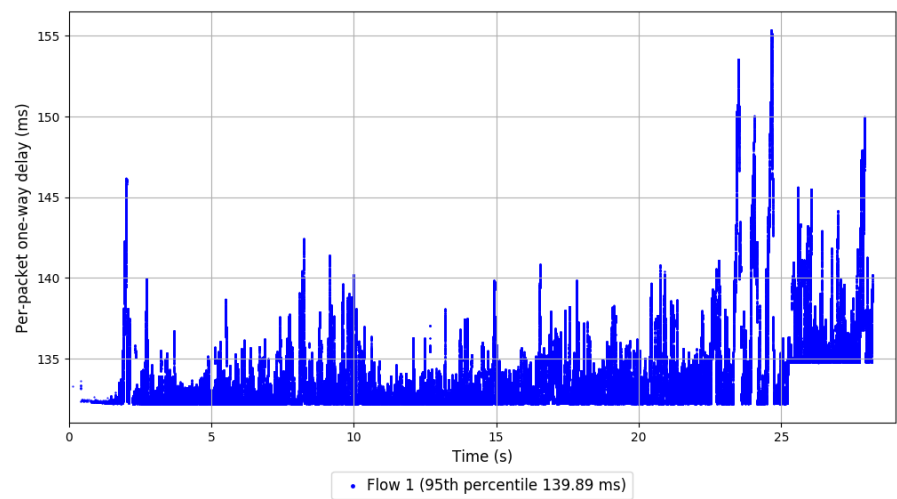
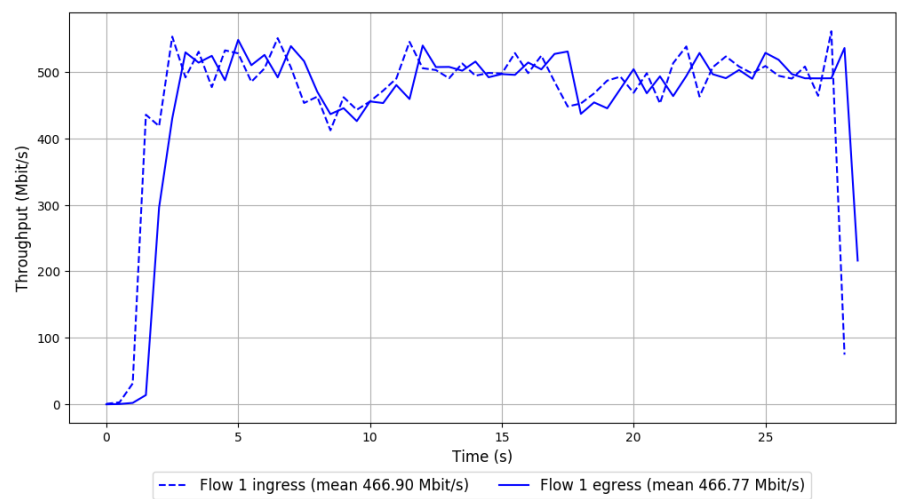


Run 2: Statistics of Indigo-MusesT

Start at: 2020-02-18 10:54:19
End at: 2020-02-18 10:54:49
Local clock offset: 0.262 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2020-02-18 14:18:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 466.77 Mbit/s
95th percentile per-packet one-way delay: 139.893 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 466.77 Mbit/s
95th percentile per-packet one-way delay: 139.893 ms
Loss rate: 0.03%

Run 2: Report of Indigo-MusesT — Data Link

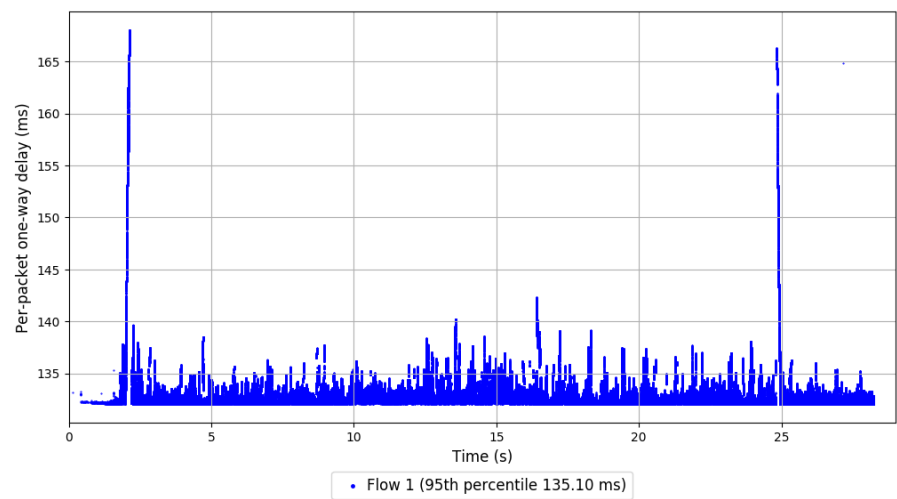
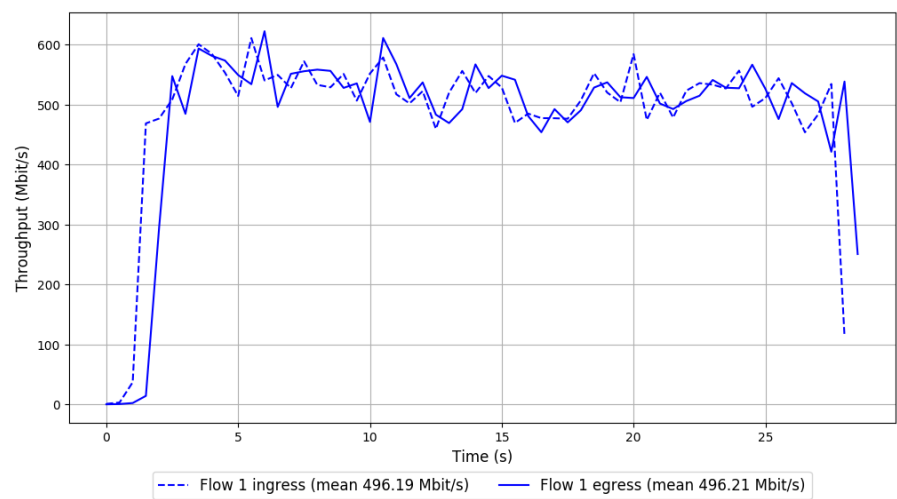


Run 3: Statistics of Indigo-MusesT

Start at: 2020-02-18 11:29:47
End at: 2020-02-18 11:30:17
Local clock offset: -0.103 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2020-02-18 14:20:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 496.21 Mbit/s
95th percentile per-packet one-way delay: 135.096 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 496.21 Mbit/s
95th percentile per-packet one-way delay: 135.096 ms
Loss rate: 0.00%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2020-02-18 12:05:26

End at: 2020-02-18 12:05:56

Local clock offset: -0.06 ms

Remote clock offset: 0.066 ms

Below is generated by plot.py at 2020-02-18 14:21:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 478.08 Mbit/s

95th percentile per-packet one-way delay: 148.166 ms

Loss rate: 0.00%

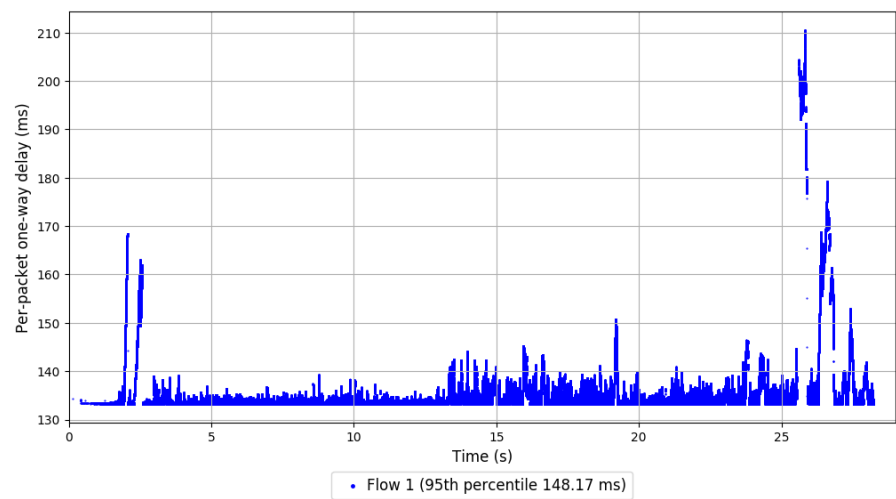
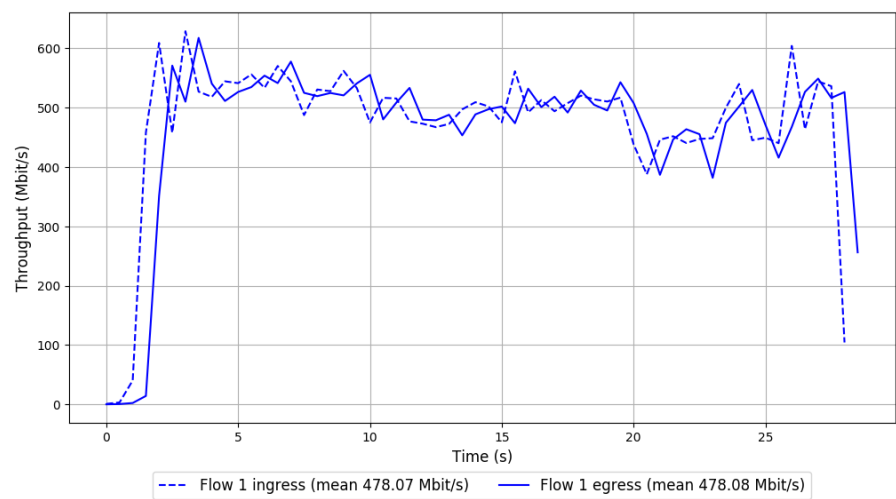
-- Flow 1:

Average throughput: 478.08 Mbit/s

95th percentile per-packet one-way delay: 148.166 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2020-02-18 12:41:01

End at: 2020-02-18 12:41:31

Local clock offset: -0.035 ms

Remote clock offset: 0.161 ms

Below is generated by plot.py at 2020-02-18 14:21:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 478.04 Mbit/s

95th percentile per-packet one-way delay: 135.729 ms

Loss rate: 0.00%

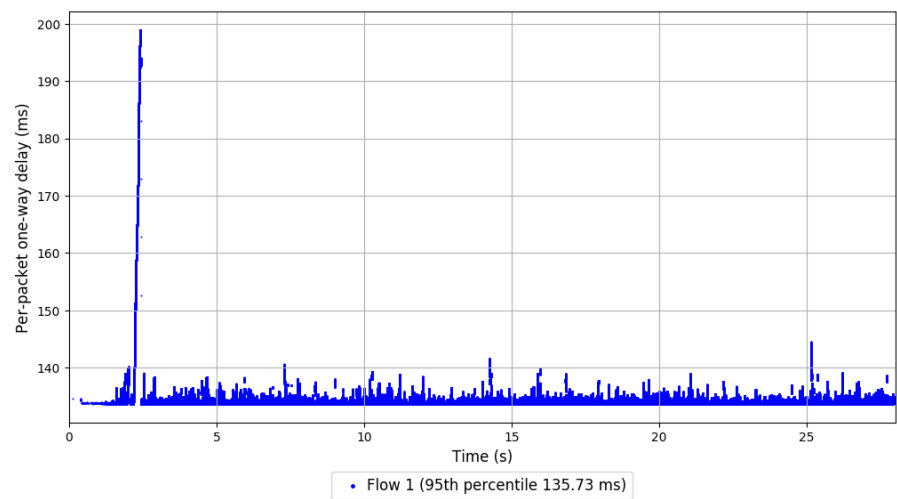
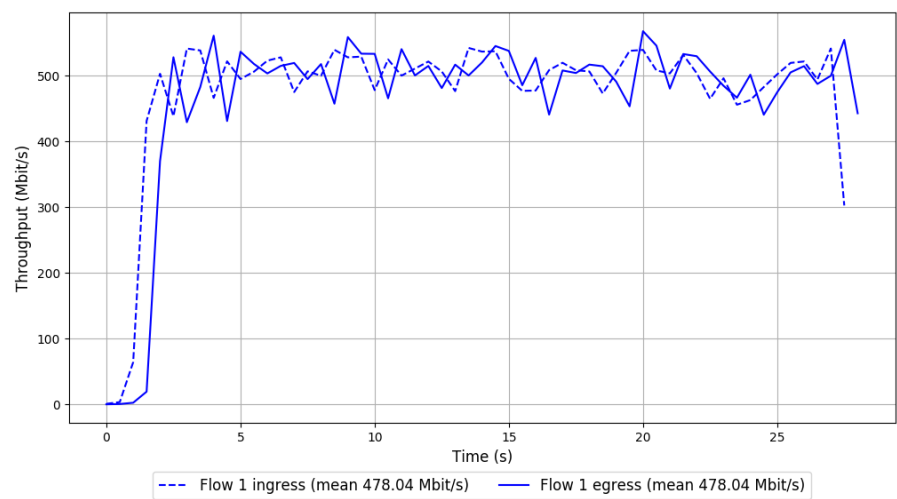
-- Flow 1:

Average throughput: 478.04 Mbit/s

95th percentile per-packet one-way delay: 135.729 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesT — Data Link

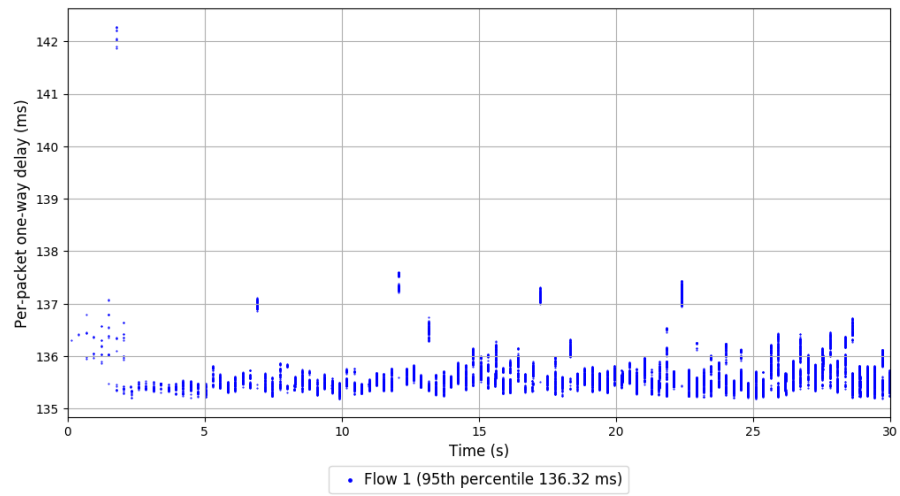
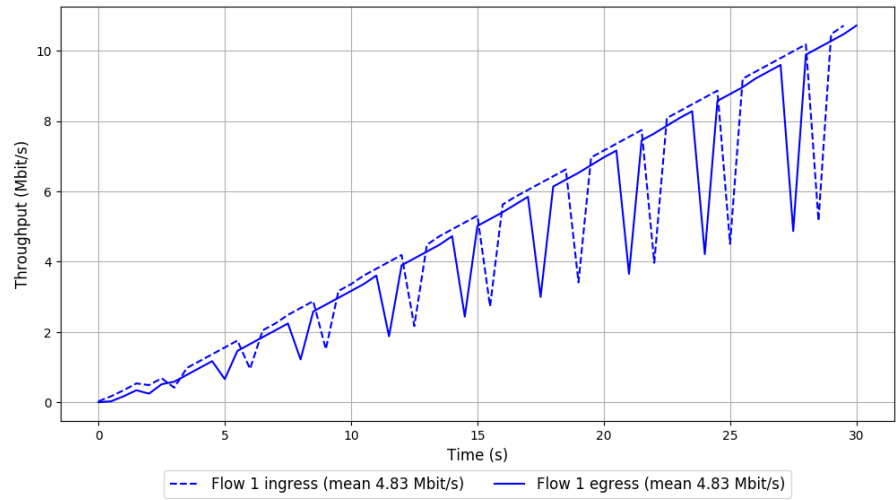


Run 1: Statistics of LEDBAT

Start at: 2020-02-18 10:14:17
End at: 2020-02-18 10:14:47
Local clock offset: -0.192 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2020-02-18 14:21:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.83 Mbit/s
95th percentile per-packet one-way delay: 136.316 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.83 Mbit/s
95th percentile per-packet one-way delay: 136.316 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link

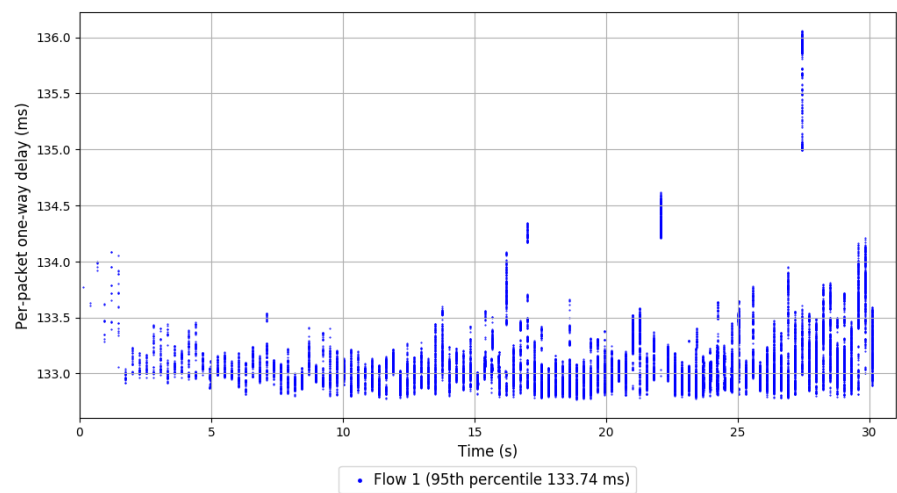
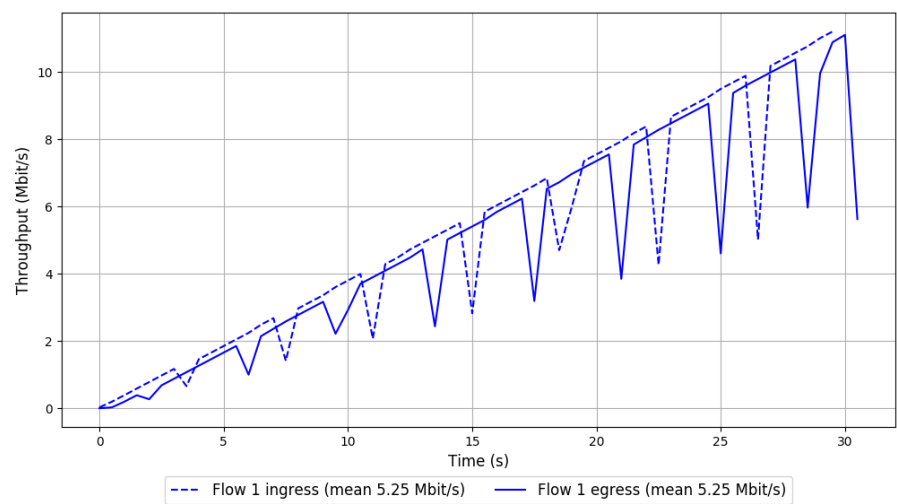


Run 2: Statistics of LEDBAT

Start at: 2020-02-18 10:50:13
End at: 2020-02-18 10:50:43
Local clock offset: -0.072 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2020-02-18 14:21:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.25 Mbit/s
95th percentile per-packet one-way delay: 133.740 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.25 Mbit/s
95th percentile per-packet one-way delay: 133.740 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

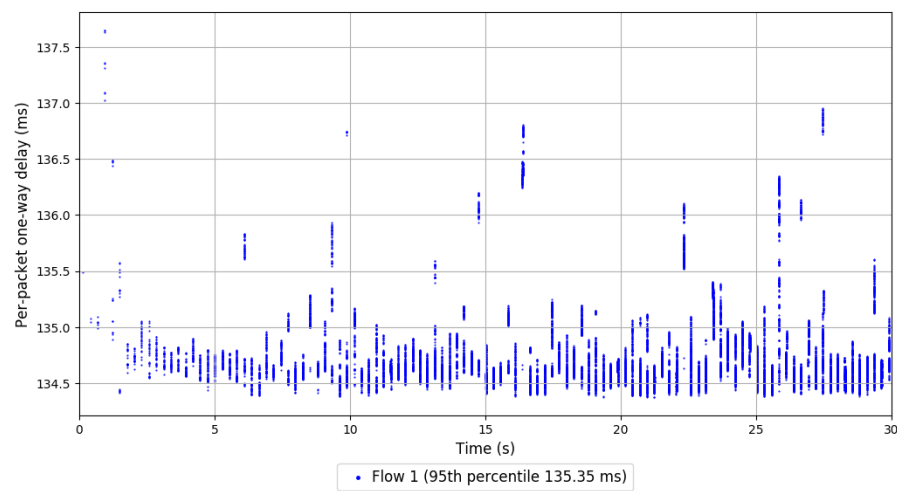
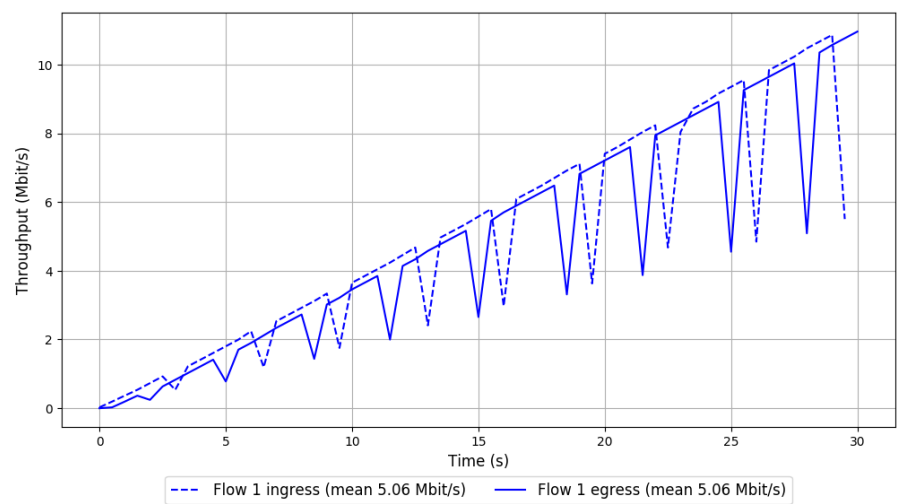


Run 3: Statistics of LEDBAT

Start at: 2020-02-18 11:25:40
End at: 2020-02-18 11:26:10
Local clock offset: -0.093 ms
Remote clock offset: -0.136 ms

Below is generated by plot.py at 2020-02-18 14:21:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.06 Mbit/s
95th percentile per-packet one-way delay: 135.348 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.06 Mbit/s
95th percentile per-packet one-way delay: 135.348 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2020-02-18 12:01:21

End at: 2020-02-18 12:01:51

Local clock offset: 0.256 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2020-02-18 14:21:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.72 Mbit/s

95th percentile per-packet one-way delay: 134.464 ms

Loss rate: 0.00%

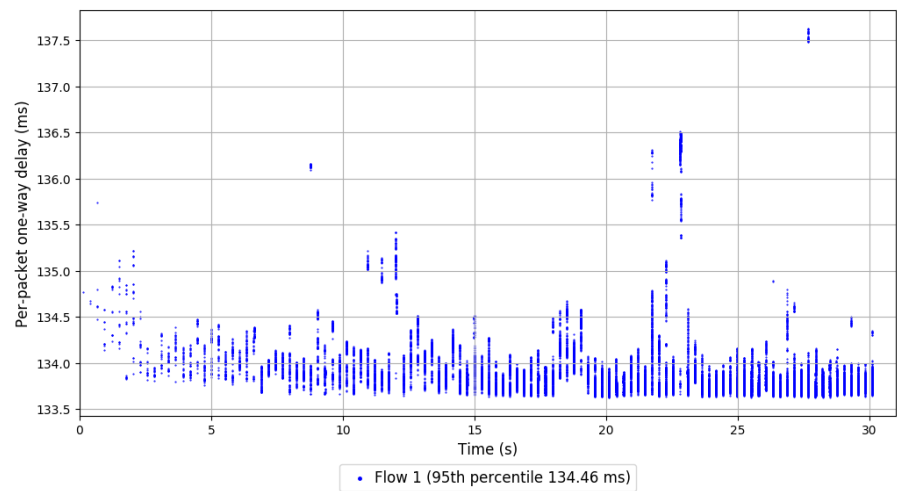
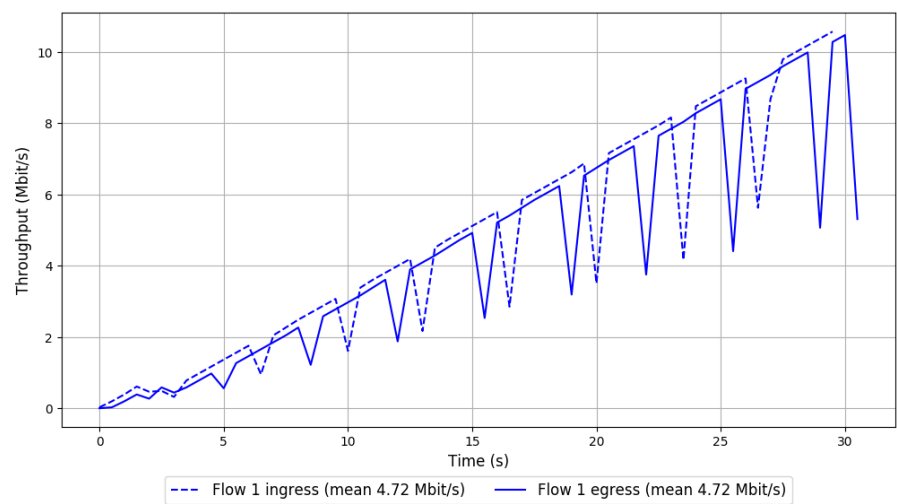
-- Flow 1:

Average throughput: 4.72 Mbit/s

95th percentile per-packet one-way delay: 134.464 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2020-02-18 12:36:57

End at: 2020-02-18 12:37:27

Local clock offset: -0.092 ms

Remote clock offset: 0.139 ms

Below is generated by plot.py at 2020-02-18 14:21:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.18 Mbit/s

95th percentile per-packet one-way delay: 134.660 ms

Loss rate: 0.00%

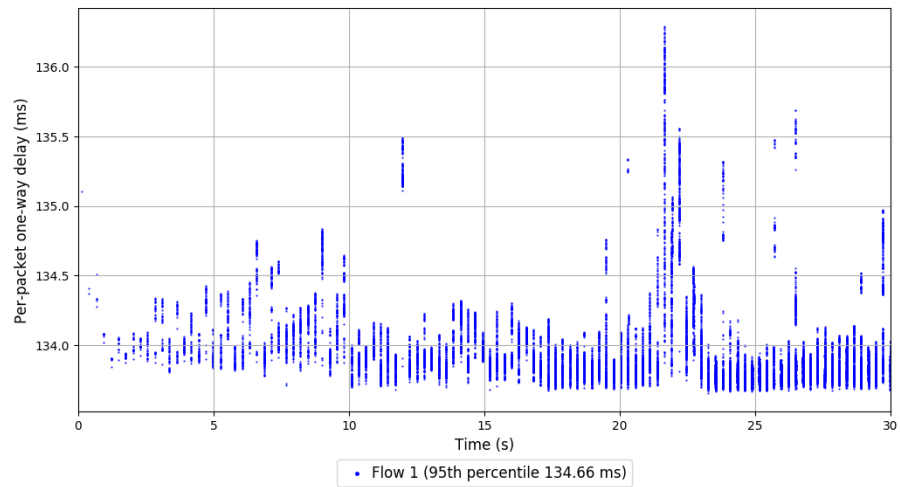
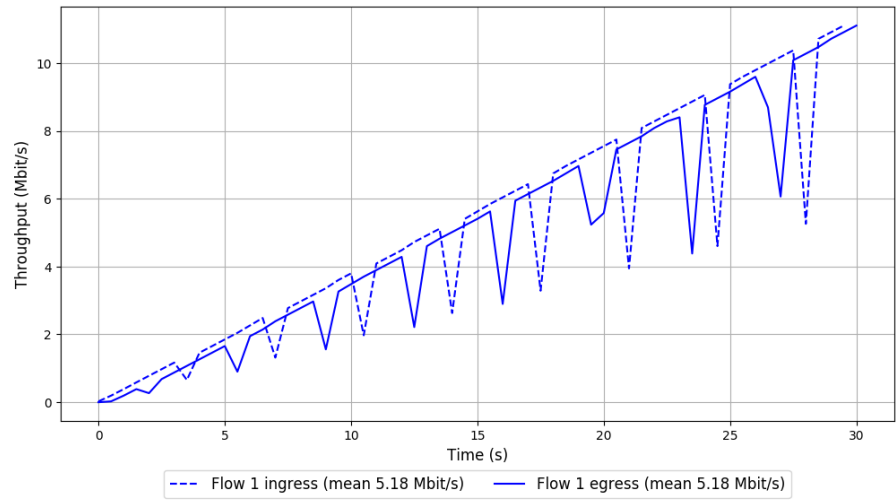
-- Flow 1:

Average throughput: 5.18 Mbit/s

95th percentile per-packet one-way delay: 134.660 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

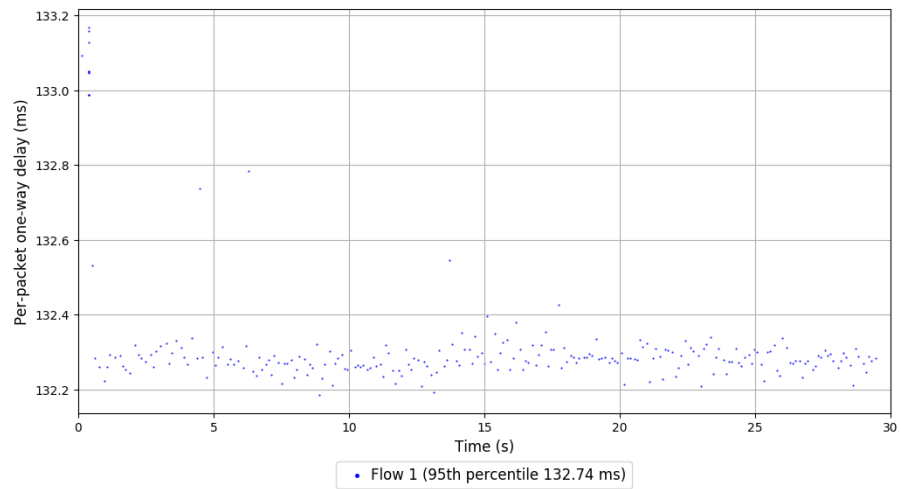
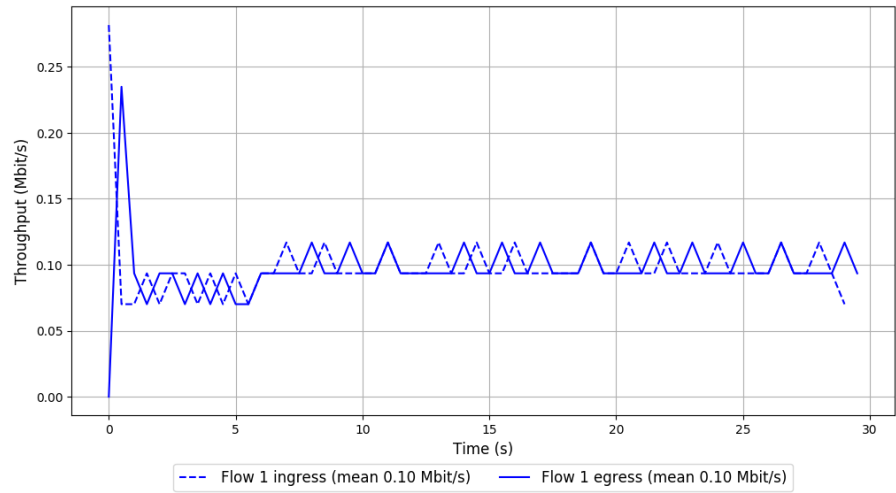


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2020-02-18 10:13:07
End at: 2020-02-18 10:13:37
Local clock offset: -0.063 ms
Remote clock offset: -0.033 ms

# Below is generated by plot.py at 2020-02-18 14:21:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 132.738 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 132.738 ms
Loss rate: 0.00%
```

Run 1: Report of Muses_DecisionTree — Data Link

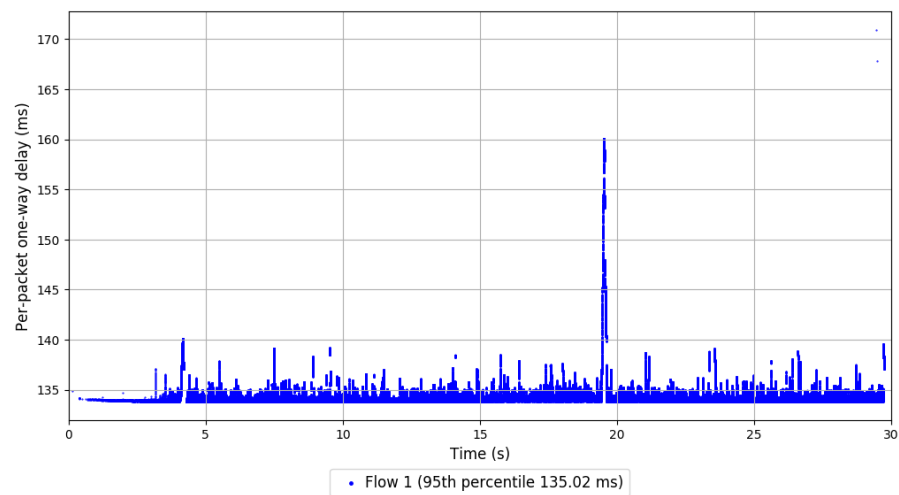
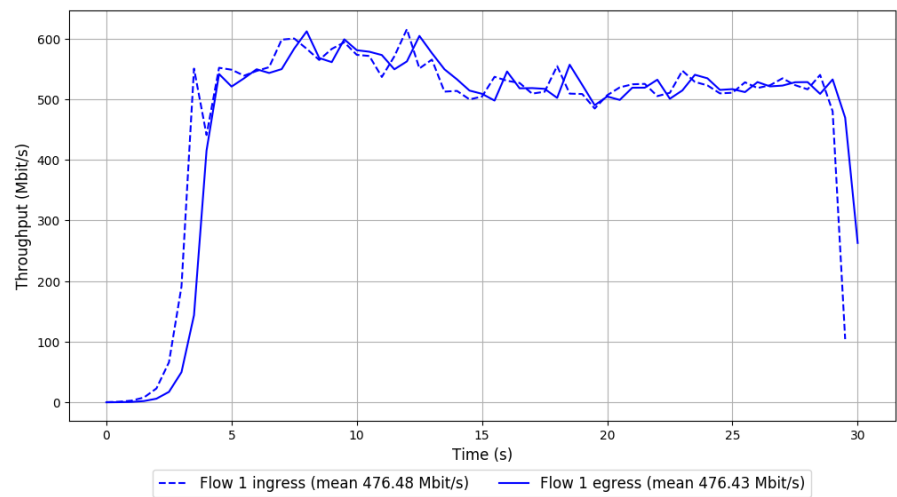


Run 2: Statistics of Muses_DecisionTree

Start at: 2020-02-18 10:48:34
End at: 2020-02-18 10:49:04
Local clock offset: -0.101 ms
Remote clock offset: -0.146 ms

Below is generated by plot.py at 2020-02-18 14:24:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 476.43 Mbit/s
95th percentile per-packet one-way delay: 135.023 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 476.43 Mbit/s
95th percentile per-packet one-way delay: 135.023 ms
Loss rate: 0.01%

Run 2: Report of Muses_DecisionTree — Data Link

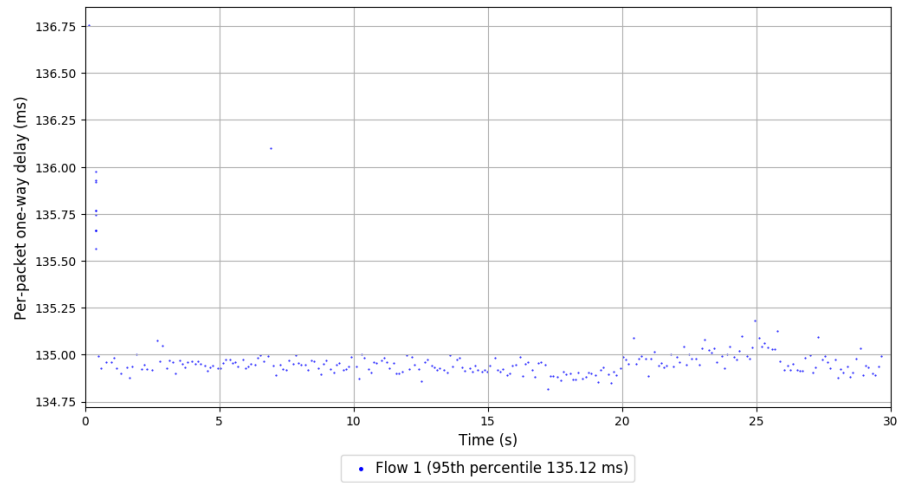
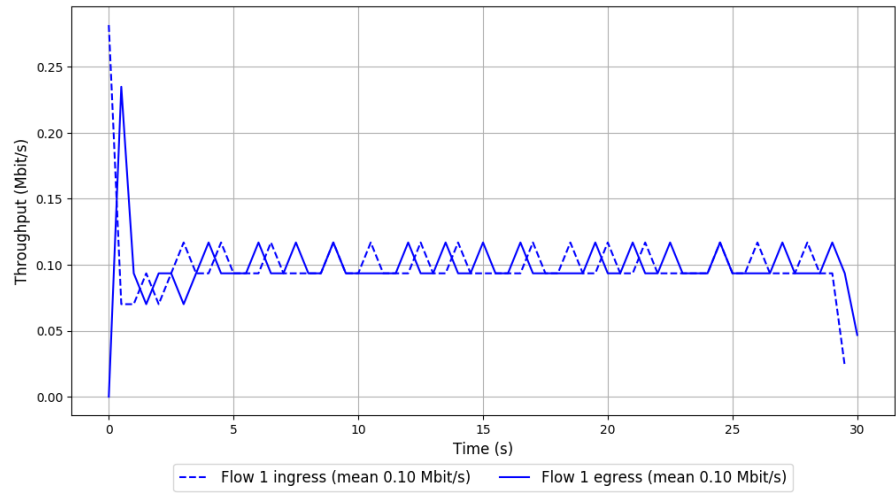


Run 3: Statistics of Muses_DecisionTree

Start at: 2020-02-18 11:24:29
End at: 2020-02-18 11:24:59
Local clock offset: -0.108 ms
Remote clock offset: -0.495 ms

Below is generated by plot.py at 2020-02-18 14:24:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 135.124 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 135.124 ms
Loss rate: 0.00%

Run 3: Report of Muses_DecisionTree — Data Link



Run 4: Statistics of Muses_DecisionTree

Start at: 2020-02-18 11:59:43

End at: 2020-02-18 12:00:13

Local clock offset: -0.115 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2020-02-18 14:24:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 470.63 Mbit/s

95th percentile per-packet one-way delay: 135.384 ms

Loss rate: 0.00%

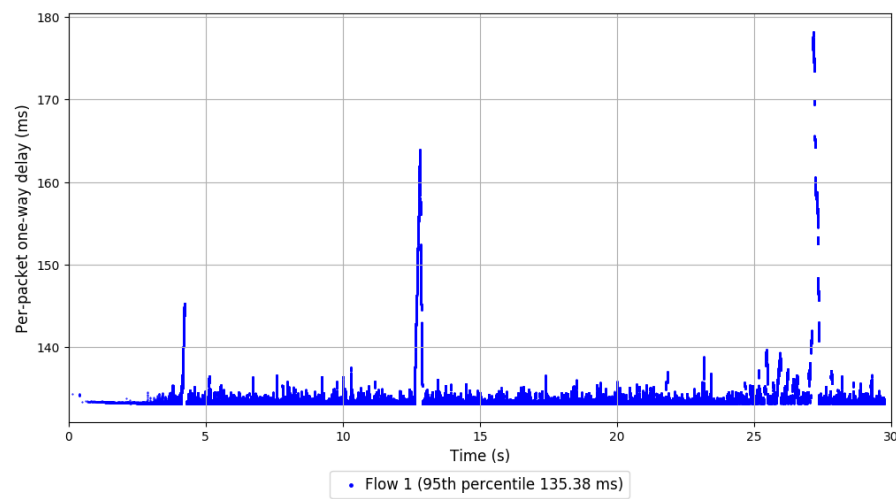
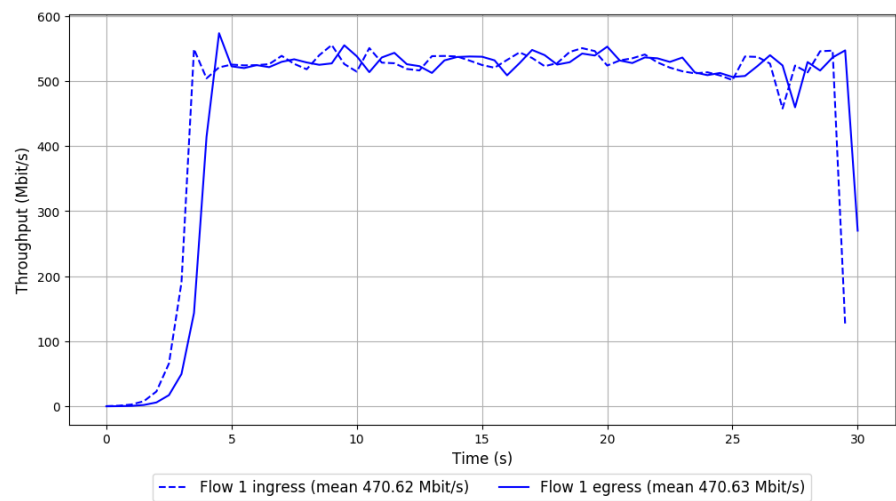
-- Flow 1:

Average throughput: 470.63 Mbit/s

95th percentile per-packet one-way delay: 135.384 ms

Loss rate: 0.00%

Run 4: Report of Muses_DecisionTree — Data Link



Run 5: Statistics of Muses_DecisionTree

Start at: 2020-02-18 12:35:17

End at: 2020-02-18 12:35:47

Local clock offset: -0.062 ms

Remote clock offset: 0.136 ms

Below is generated by plot.py at 2020-02-18 14:25:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 493.02 Mbit/s

95th percentile per-packet one-way delay: 136.123 ms

Loss rate: 0.00%

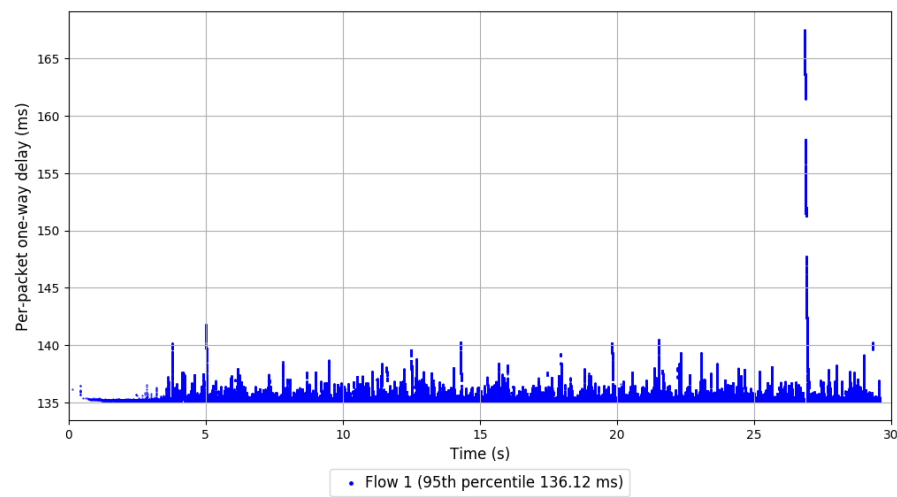
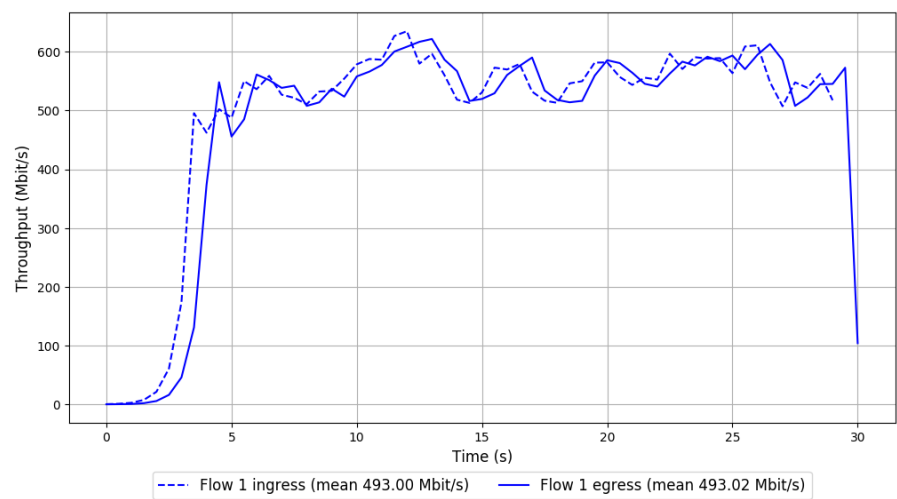
-- Flow 1:

Average throughput: 493.02 Mbit/s

95th percentile per-packet one-way delay: 136.123 ms

Loss rate: 0.00%

Run 5: Report of Muses_DecisionTree — Data Link

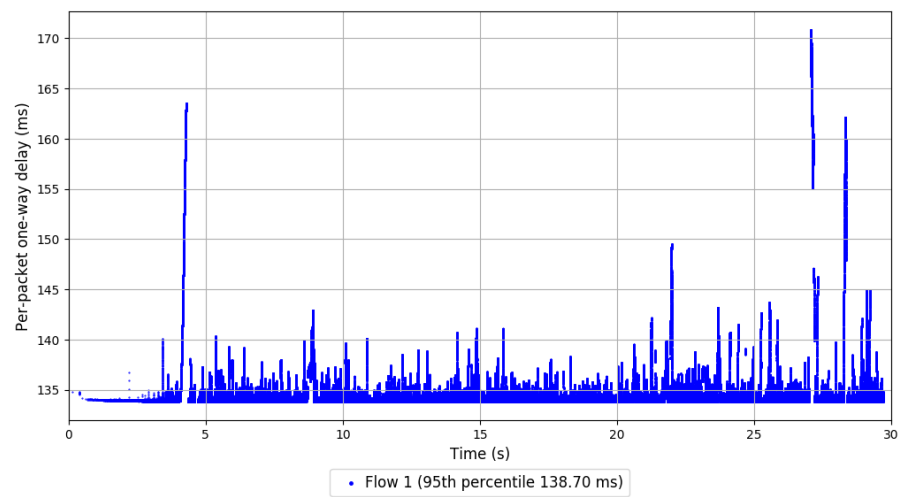
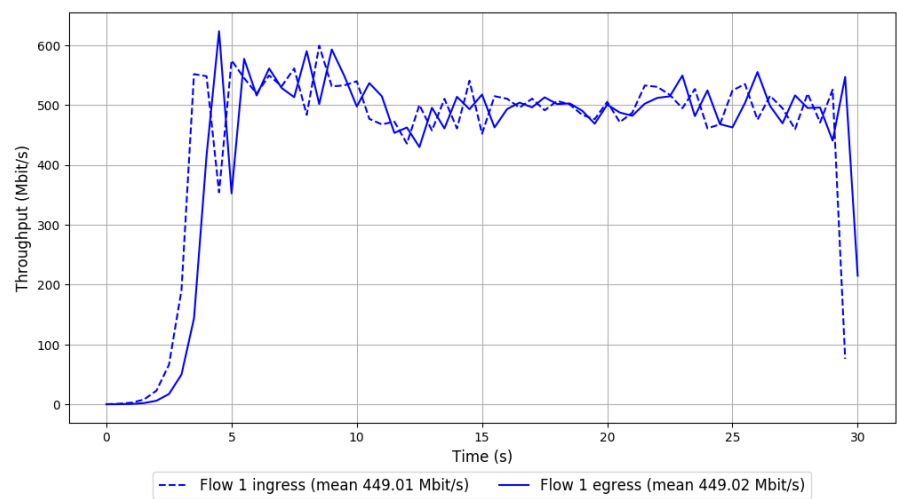


```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2020-02-18 10:29:37
End at: 2020-02-18 10:30:07
Local clock offset: -0.082 ms
Remote clock offset: -0.022 ms

# Below is generated by plot.py at 2020-02-18 14:29:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 449.02 Mbit/s
95th percentile per-packet one-way delay: 138.703 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 449.02 Mbit/s
95th percentile per-packet one-way delay: 138.703 ms
Loss rate: 0.00%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link

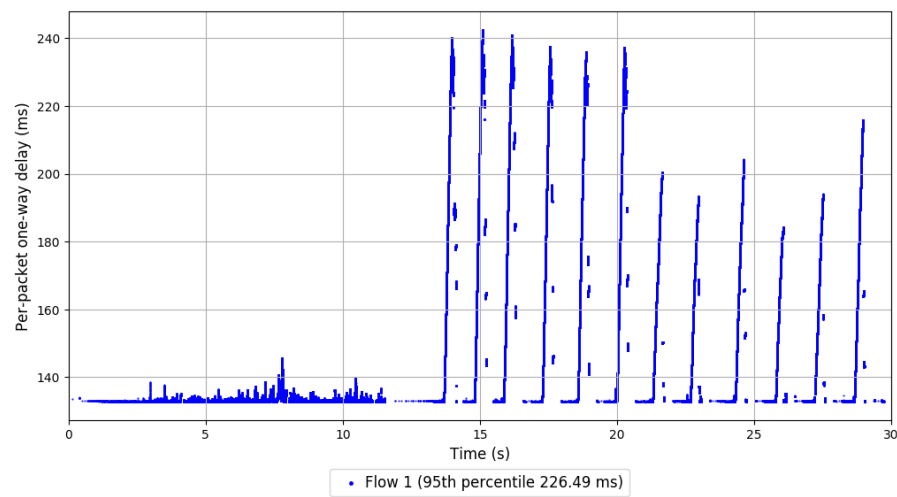
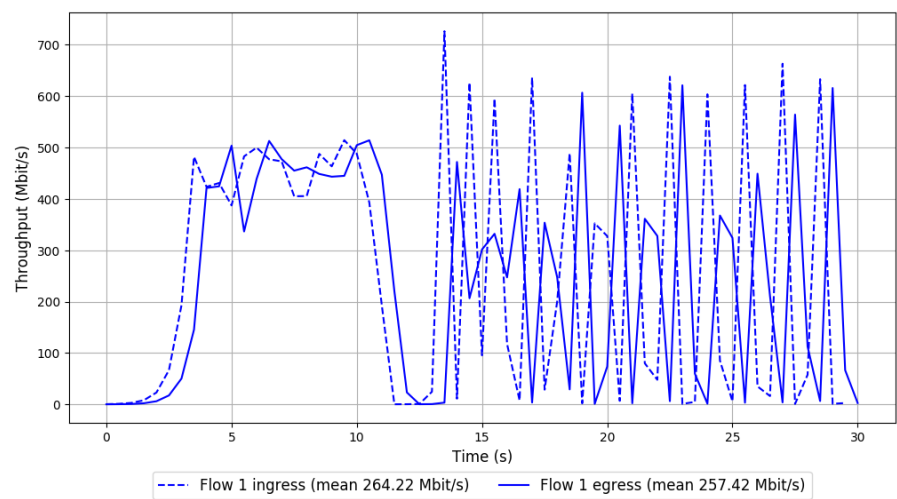


Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2020-02-18 11:05:54
End at: 2020-02-18 11:06:24
Local clock offset: -0.111 ms
Remote clock offset: -0.158 ms

Below is generated by plot.py at 2020-02-18 14:29:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 257.42 Mbit/s
95th percentile per-packet one-way delay: 226.491 ms
Loss rate: 2.57%
-- Flow 1:
Average throughput: 257.42 Mbit/s
95th percentile per-packet one-way delay: 226.491 ms
Loss rate: 2.57%

Run 2: Report of Muses_DecisionTreeH0 — Data Link

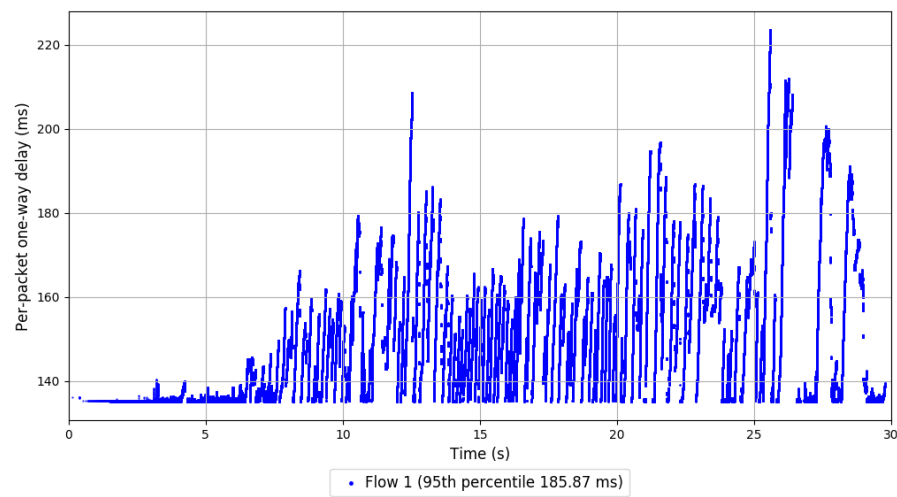
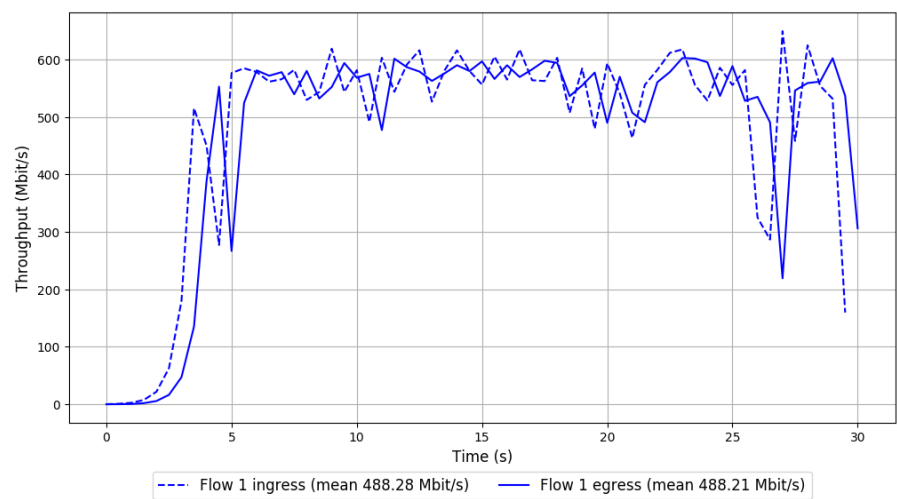


Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2020-02-18 11:41:03
End at: 2020-02-18 11:41:33
Local clock offset: -0.097 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2020-02-18 14:32:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 488.21 Mbit/s
95th percentile per-packet one-way delay: 185.866 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 488.21 Mbit/s
95th percentile per-packet one-way delay: 185.866 ms
Loss rate: 0.01%

Run 3: Report of Muses_DecisionTreeH0 — Data Link



Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2020-02-18 12:16:51

End at: 2020-02-18 12:17:21

Local clock offset: -0.141 ms

Remote clock offset: 0.099 ms

Below is generated by plot.py at 2020-02-18 14:32:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.12 Mbit/s

95th percentile per-packet one-way delay: 134.415 ms

Loss rate: 0.00%

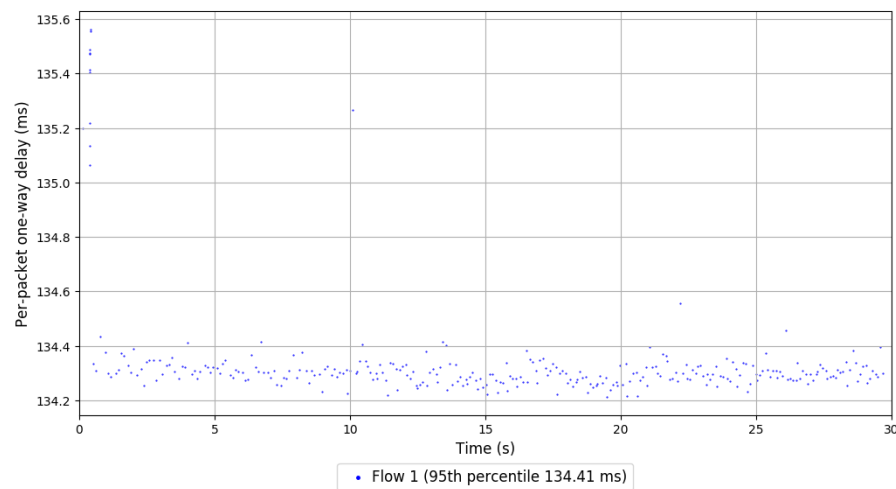
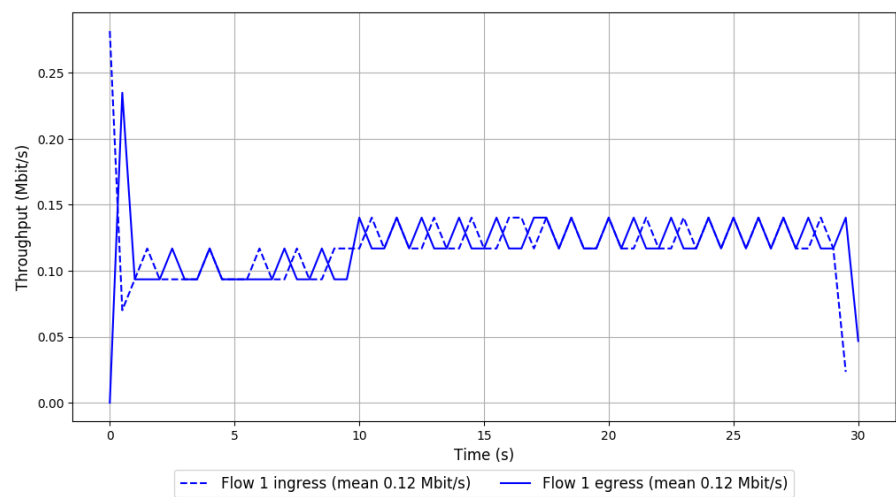
-- Flow 1:

Average throughput: 0.12 Mbit/s

95th percentile per-packet one-way delay: 134.415 ms

Loss rate: 0.00%

Run 4: Report of Muses_DecisionTreeH0 — Data Link



Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2020-02-18 12:52:23

End at: 2020-02-18 12:52:53

Local clock offset: -0.045 ms

Remote clock offset: 0.152 ms

Below is generated by plot.py at 2020-02-18 14:32:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 132.336 ms

Loss rate: 0.00%

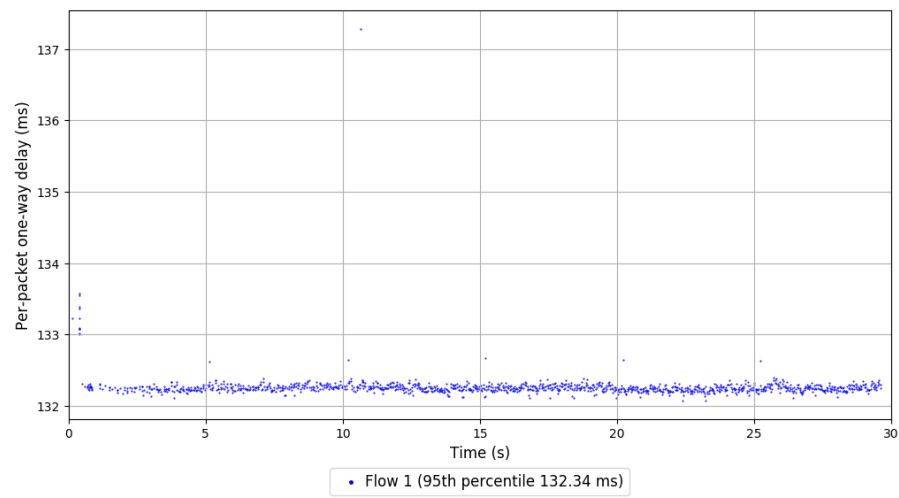
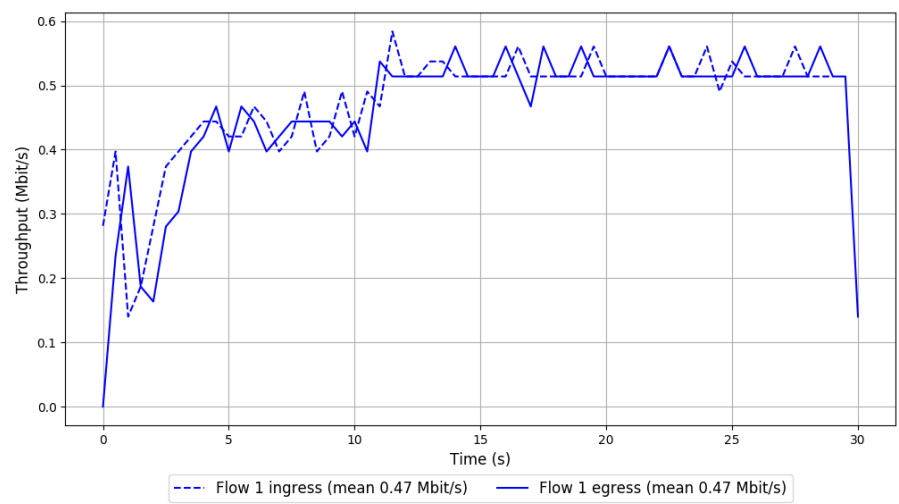
-- Flow 1:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 132.336 ms

Loss rate: 0.00%

Run 5: Report of Muses_DecisionTreeH0 — Data Link

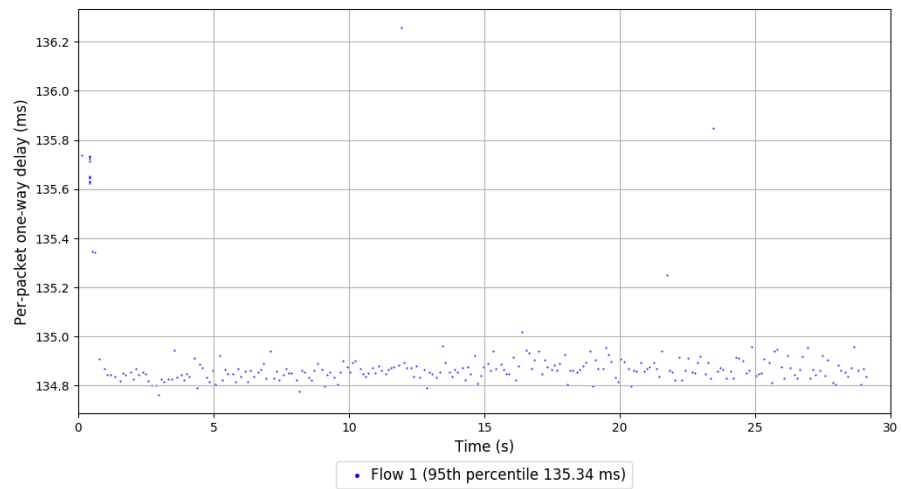
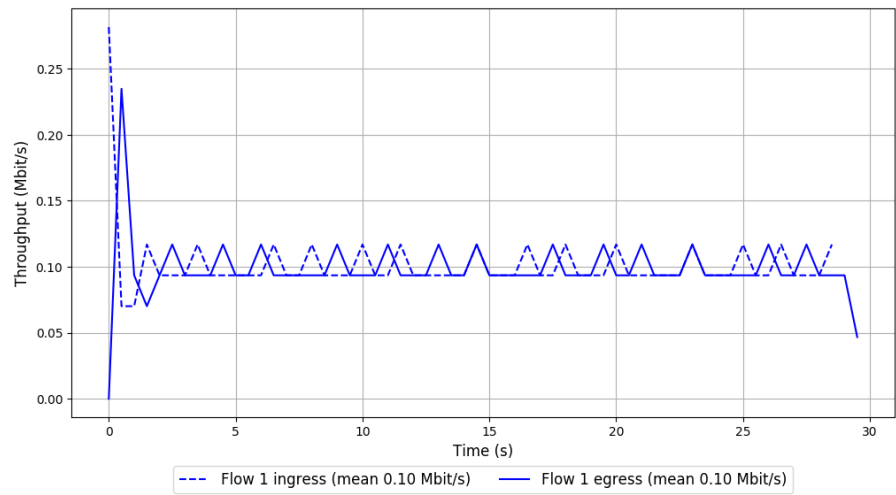


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2020-02-18 09:59:08
End at: 2020-02-18 09:59:38
Local clock offset: -0.079 ms
Remote clock offset: 0.006 ms

# Below is generated by plot.py at 2020-02-18 14:32:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 135.344 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 135.344 ms
Loss rate: 0.00%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

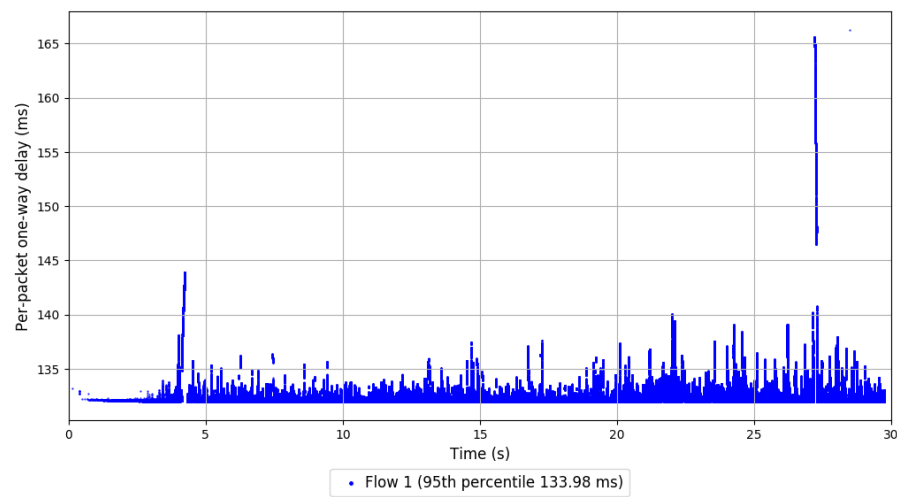
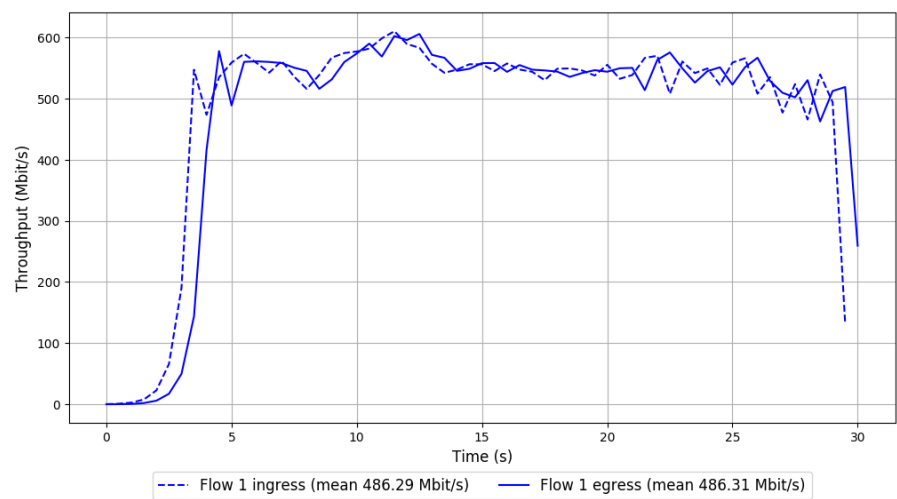


Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2020-02-18 10:34:18
End at: 2020-02-18 10:34:48
Local clock offset: -0.089 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2020-02-18 14:33:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 486.31 Mbit/s
95th percentile per-packet one-way delay: 133.980 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 486.31 Mbit/s
95th percentile per-packet one-way delay: 133.980 ms
Loss rate: 0.00%

Run 2: Report of Muses_DecisionTreeR0 — Data Link

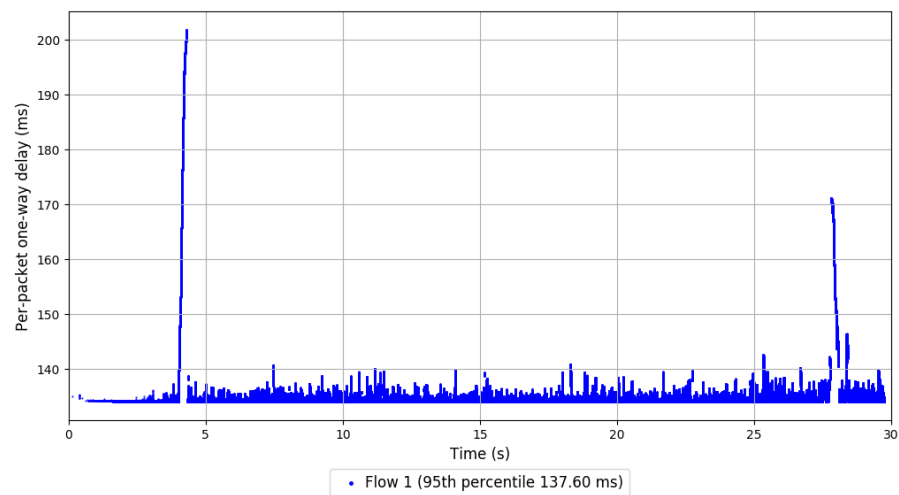
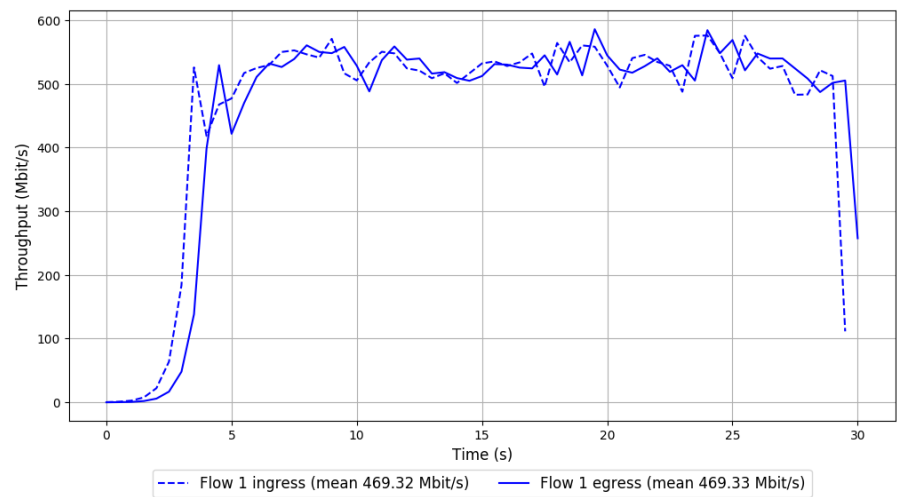


Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2020-02-18 11:10:20
End at: 2020-02-18 11:10:51
Local clock offset: 0.272 ms
Remote clock offset: -0.139 ms

Below is generated by plot.py at 2020-02-18 14:33:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 469.33 Mbit/s
95th percentile per-packet one-way delay: 137.602 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 469.33 Mbit/s
95th percentile per-packet one-way delay: 137.602 ms
Loss rate: 0.00%

Run 3: Report of Muses_DecisionTreeR0 — Data Link

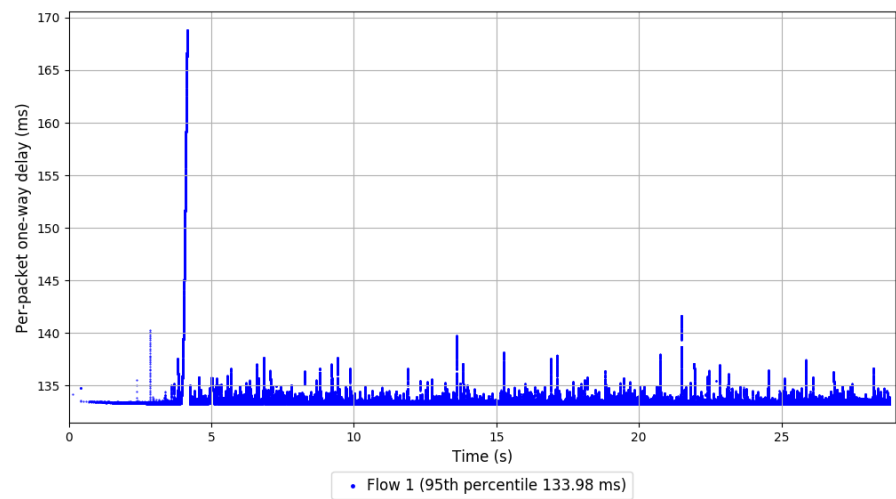
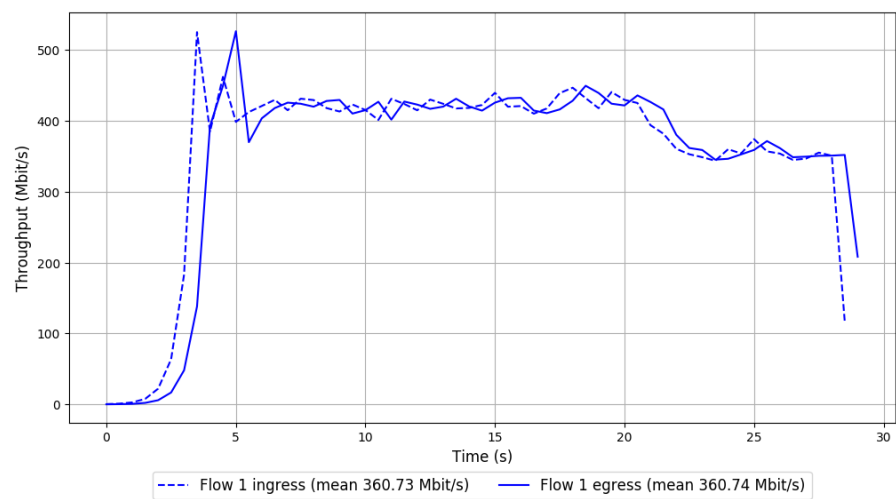


Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2020-02-18 11:45:43
End at: 2020-02-18 11:46:13
Local clock offset: -0.12 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2020-02-18 14:33:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 360.74 Mbit/s
95th percentile per-packet one-way delay: 133.979 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 360.74 Mbit/s
95th percentile per-packet one-way delay: 133.979 ms
Loss rate: 0.00%

Run 4: Report of Muses_DecisionTreeR0 — Data Link



Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2020-02-18 12:21:03

End at: 2020-02-18 12:21:33

Local clock offset: 0.293 ms

Remote clock offset: 0.082 ms

Below is generated by plot.py at 2020-02-18 14:35:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 465.99 Mbit/s

95th percentile per-packet one-way delay: 134.184 ms

Loss rate: 0.00%

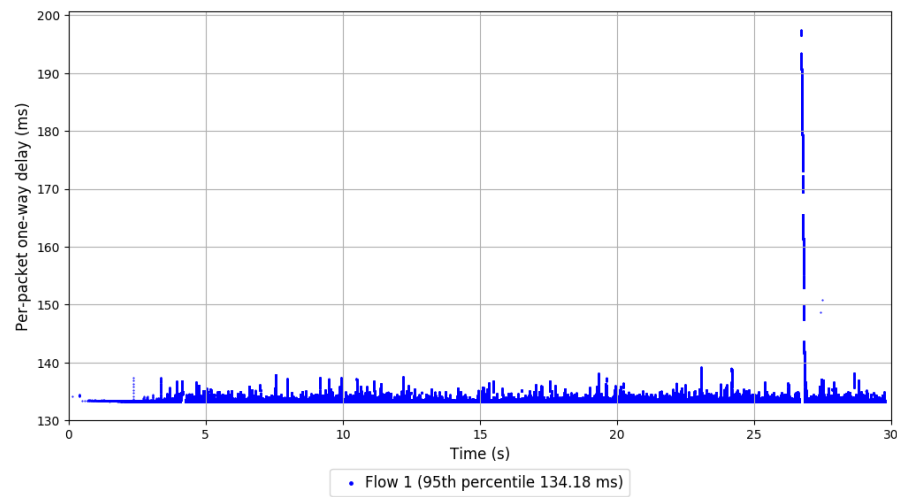
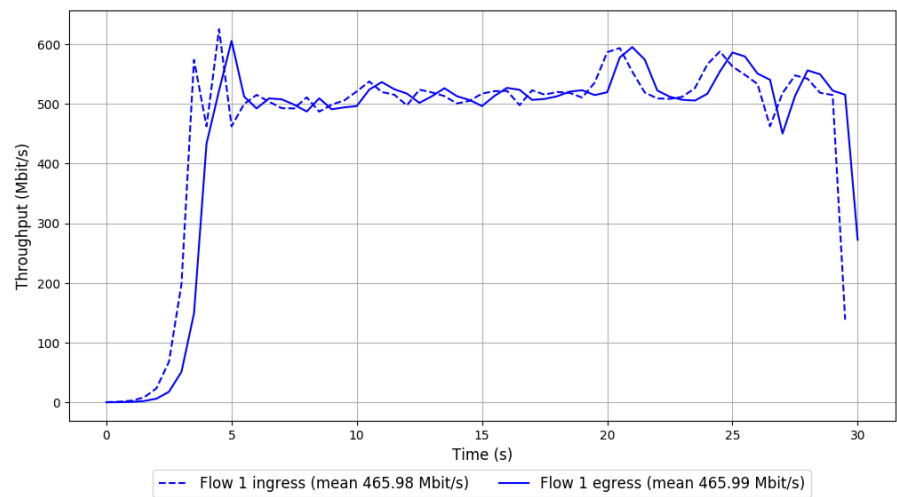
-- Flow 1:

Average throughput: 465.99 Mbit/s

95th percentile per-packet one-way delay: 134.184 ms

Loss rate: 0.00%

Run 5: Report of Muses_DecisionTreeR0 — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2020-02-18 10:09:45

End at: 2020-02-18 10:10:15

Local clock offset: -0.062 ms

Remote clock offset: -0.016 ms

Below is generated by plot.py at 2020-02-18 14:44:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 413.02 Mbit/s

95th percentile per-packet one-way delay: 251.713 ms

Loss rate: 1.80%

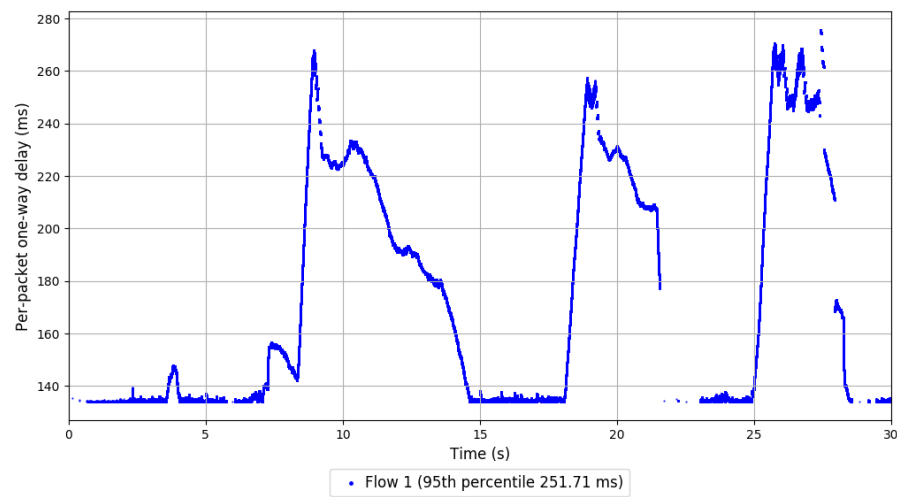
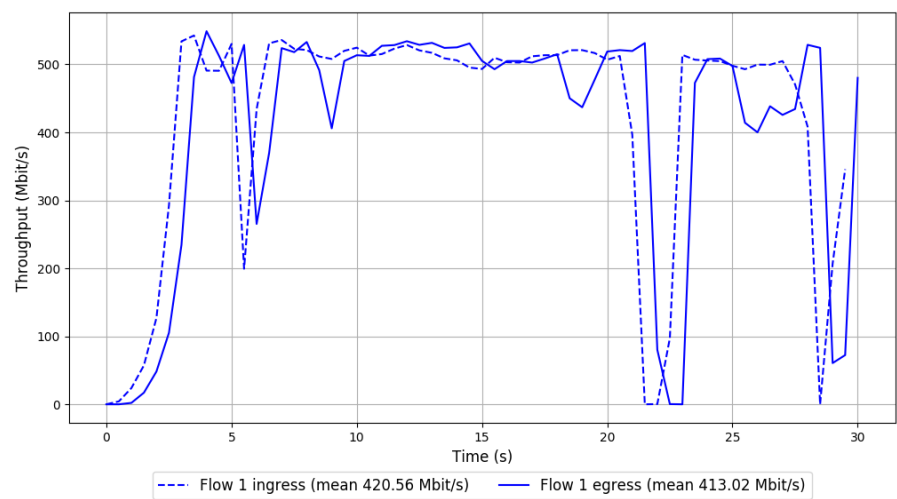
-- Flow 1:

Average throughput: 413.02 Mbit/s

95th percentile per-packet one-way delay: 251.713 ms

Loss rate: 1.80%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2020-02-18 10:45:03

End at: 2020-02-18 10:45:33

Local clock offset: -0.092 ms

Remote clock offset: -0.107 ms

Below is generated by plot.py at 2020-02-18 14:47:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 441.53 Mbit/s

95th percentile per-packet one-way delay: 262.081 ms

Loss rate: 3.39%

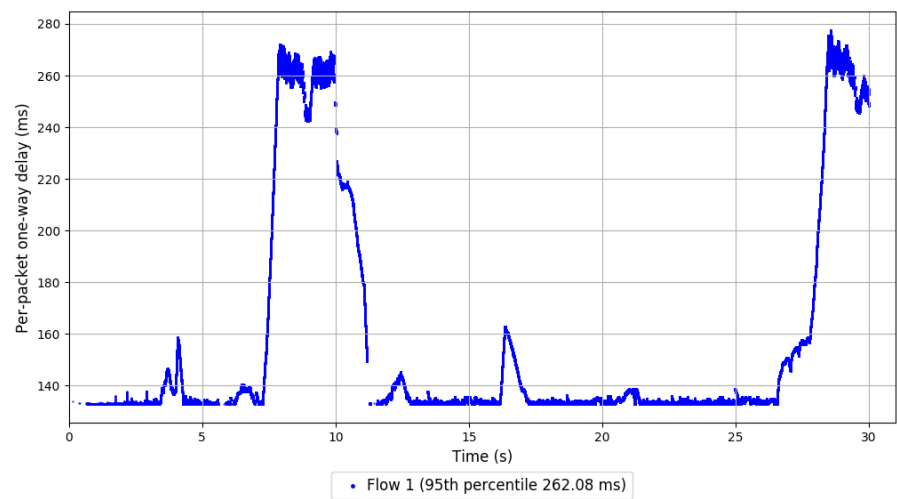
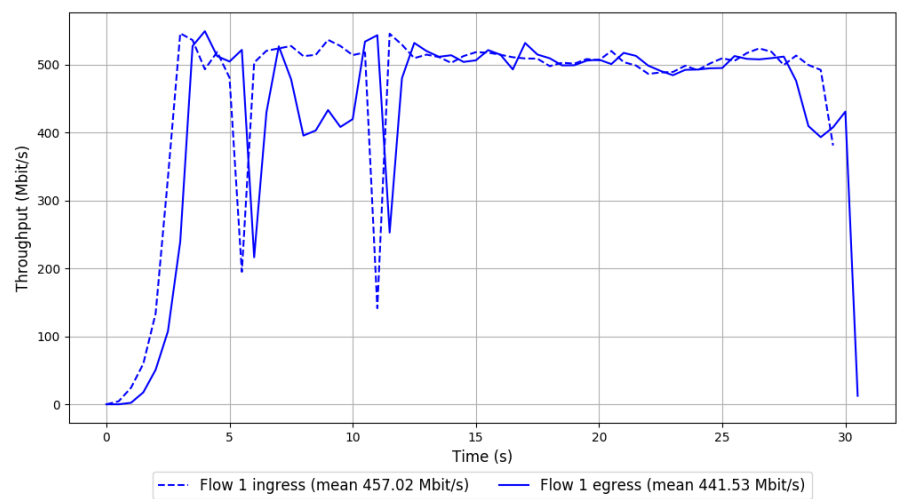
-- Flow 1:

Average throughput: 441.53 Mbit/s

95th percentile per-packet one-way delay: 262.081 ms

Loss rate: 3.39%

Run 2: Report of PCC-Allegro — Data Link

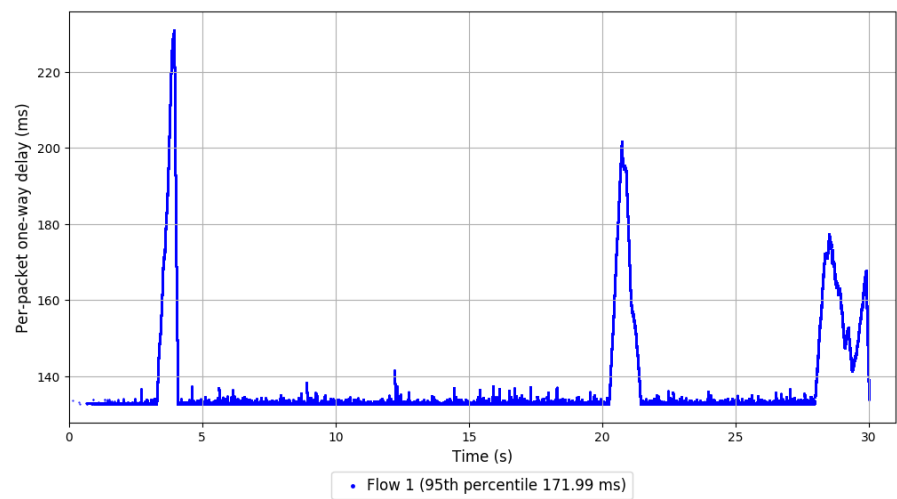
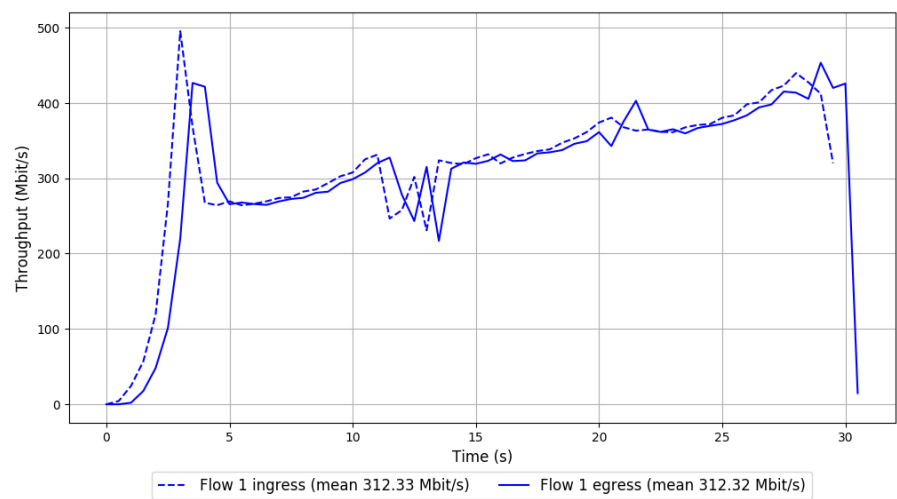


Run 3: Statistics of PCC-Allegro

Start at: 2020-02-18 11:21:07
End at: 2020-02-18 11:21:37
Local clock offset: -0.062 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2020-02-18 14:47:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 312.32 Mbit/s
95th percentile per-packet one-way delay: 171.988 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 312.32 Mbit/s
95th percentile per-packet one-way delay: 171.988 ms
Loss rate: 0.00%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2020-02-18 11:56:15

End at: 2020-02-18 11:56:46

Local clock offset: -0.104 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2020-02-18 14:50:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 372.30 Mbit/s

95th percentile per-packet one-way delay: 263.394 ms

Loss rate: 5.88%

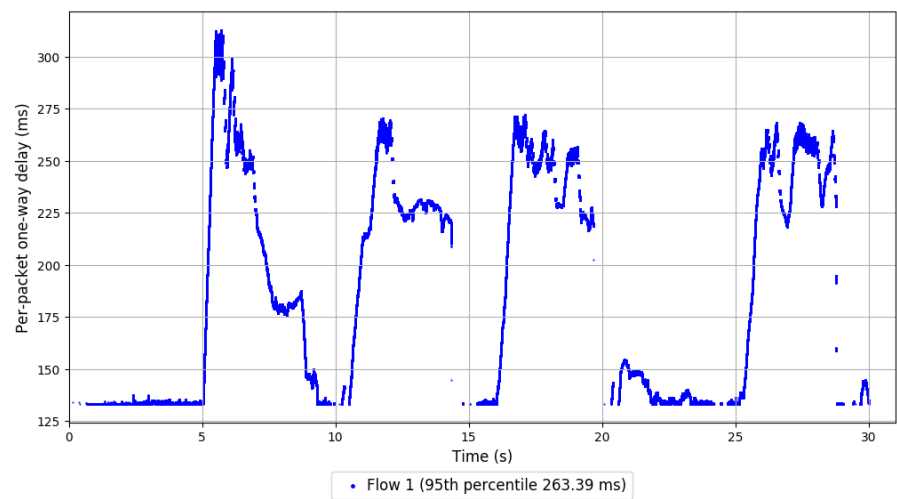
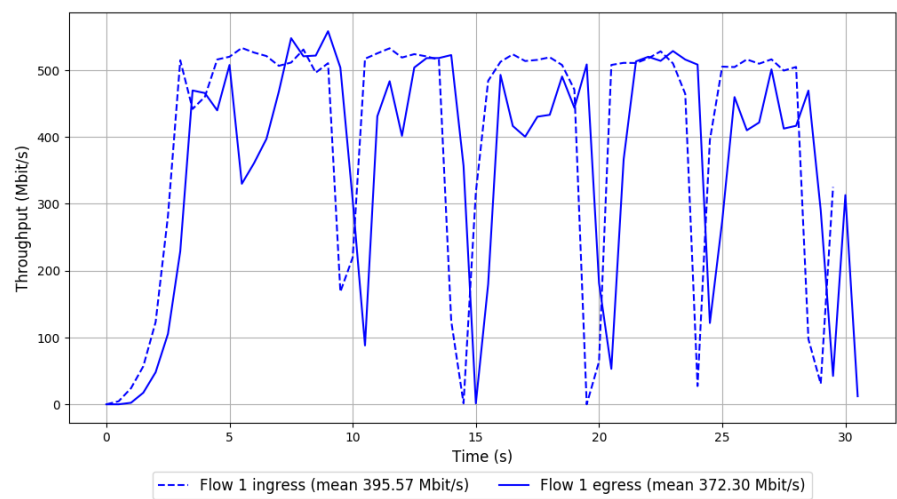
-- Flow 1:

Average throughput: 372.30 Mbit/s

95th percentile per-packet one-way delay: 263.394 ms

Loss rate: 5.88%

Run 4: Report of PCC-Allegro — Data Link

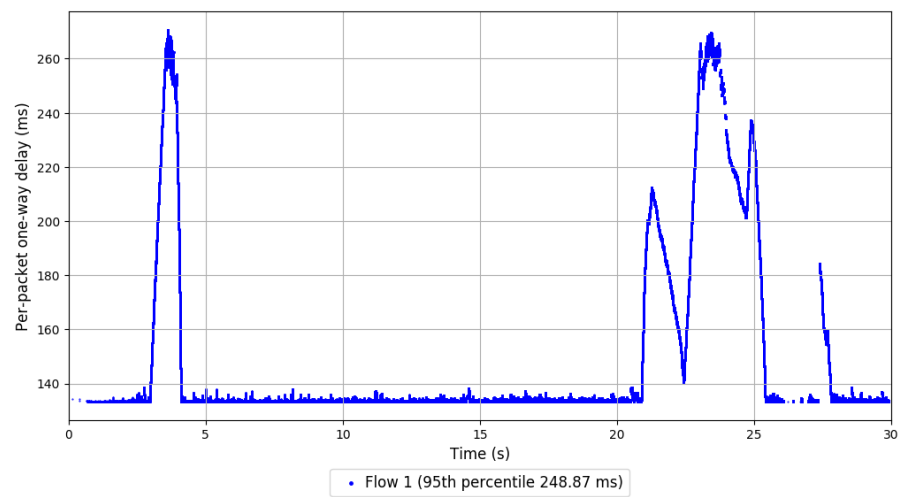
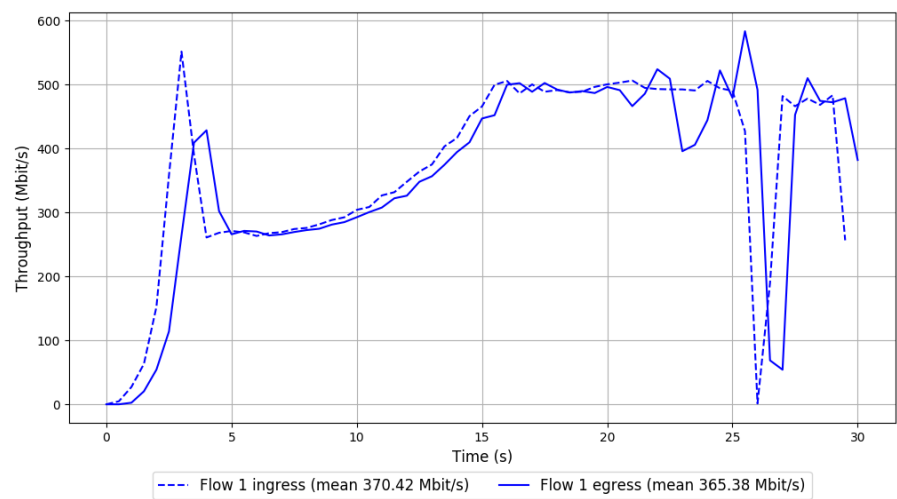


Run 5: Statistics of PCC-Allegro

Start at: 2020-02-18 12:31:58
End at: 2020-02-18 12:32:28
Local clock offset: -0.096 ms
Remote clock offset: -0.246 ms

Below is generated by plot.py at 2020-02-18 14:50:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 365.38 Mbit/s
95th percentile per-packet one-way delay: 248.872 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 365.38 Mbit/s
95th percentile per-packet one-way delay: 248.872 ms
Loss rate: 1.36%

Run 5: Report of PCC-Allegro — Data Link

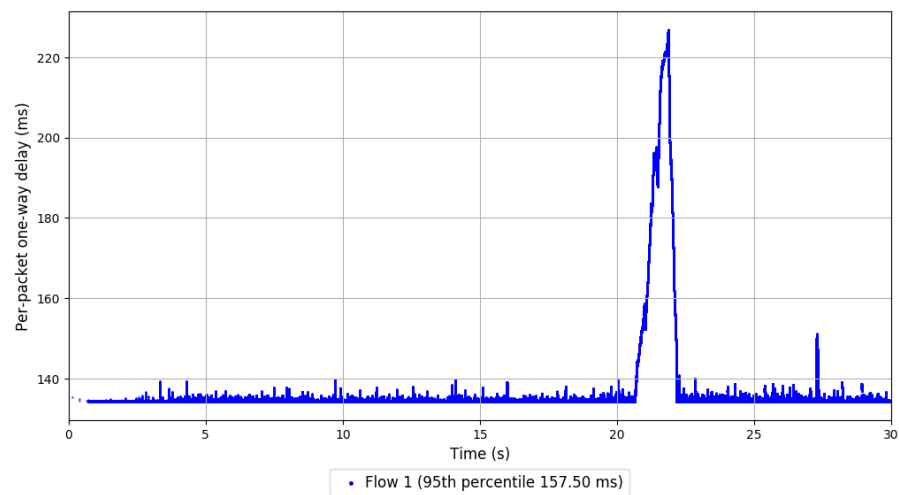
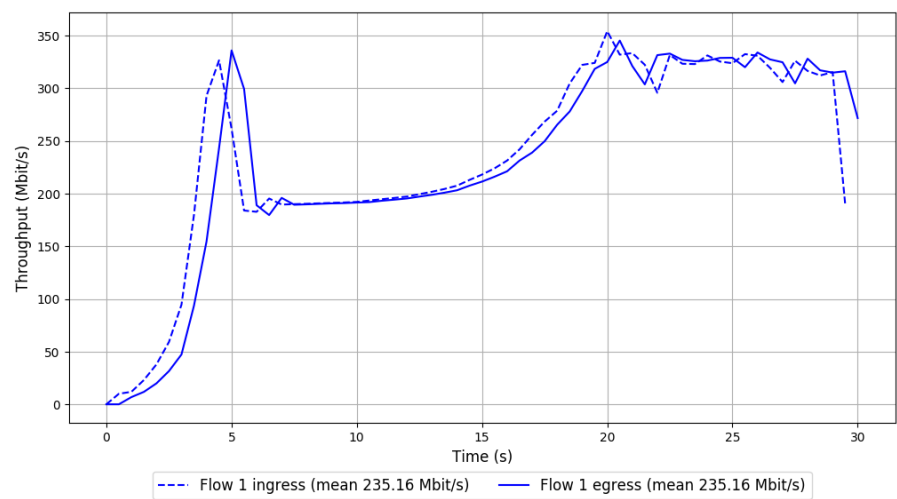


Run 1: Statistics of PCC-Expr

Start at: 2020-02-18 10:08:09
End at: 2020-02-18 10:08:39
Local clock offset: 0.137 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2020-02-18 14:50:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 235.16 Mbit/s
95th percentile per-packet one-way delay: 157.495 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 235.16 Mbit/s
95th percentile per-packet one-way delay: 157.495 ms
Loss rate: 0.00%

Run 1: Report of PCC-Expr — Data Link

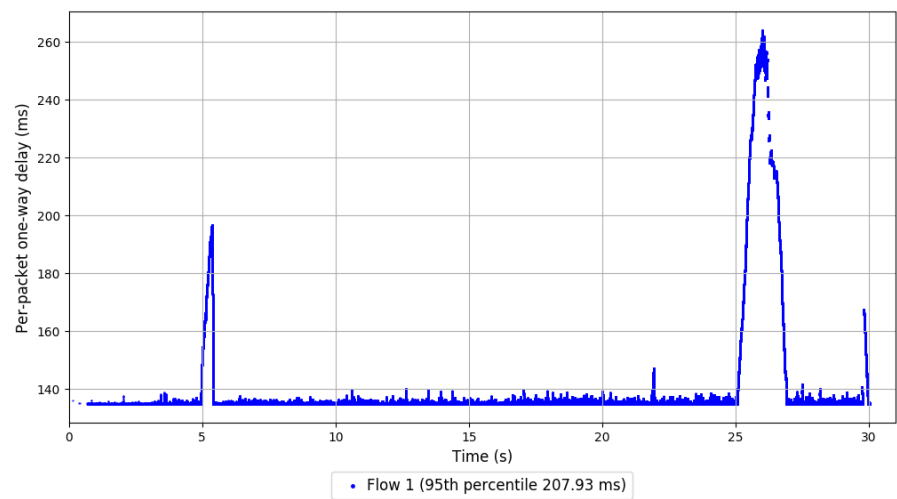
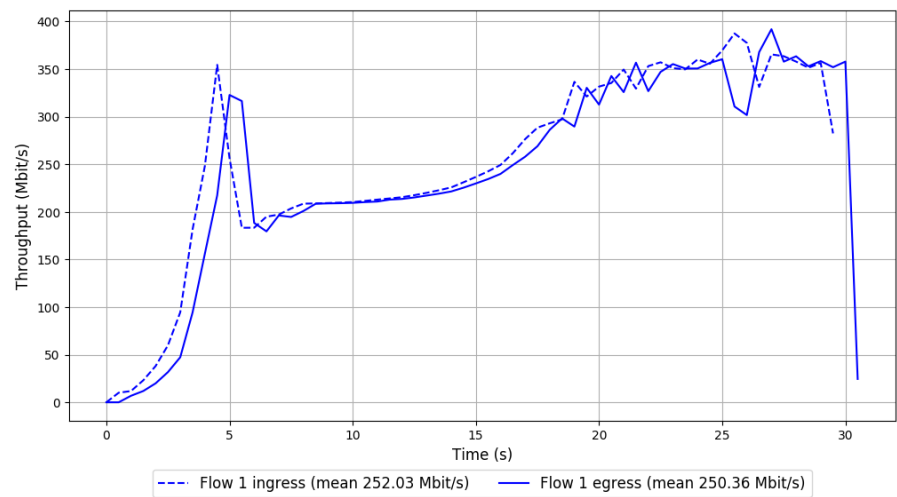


Run 2: Statistics of PCC-Expr

Start at: 2020-02-18 10:43:25
End at: 2020-02-18 10:43:56
Local clock offset: 0.239 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2020-02-18 14:50:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 250.36 Mbit/s
95th percentile per-packet one-way delay: 207.928 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 250.36 Mbit/s
95th percentile per-packet one-way delay: 207.928 ms
Loss rate: 0.68%

Run 2: Report of PCC-Expr — Data Link

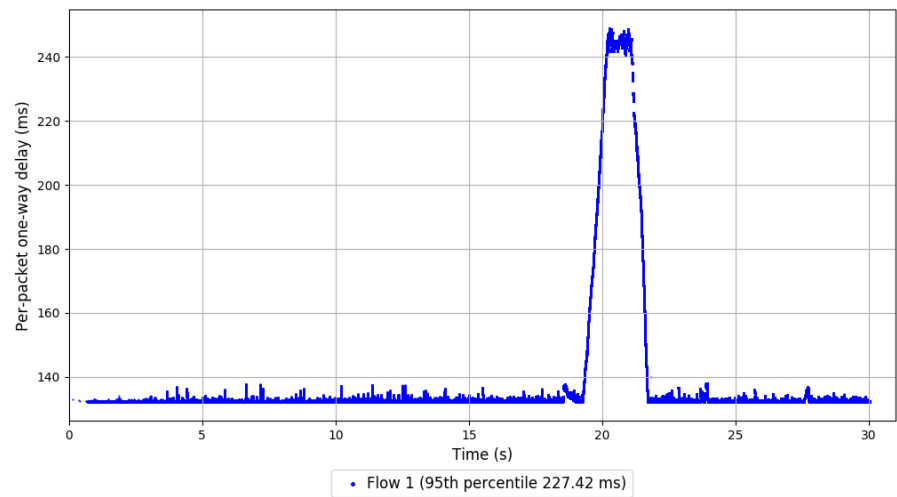
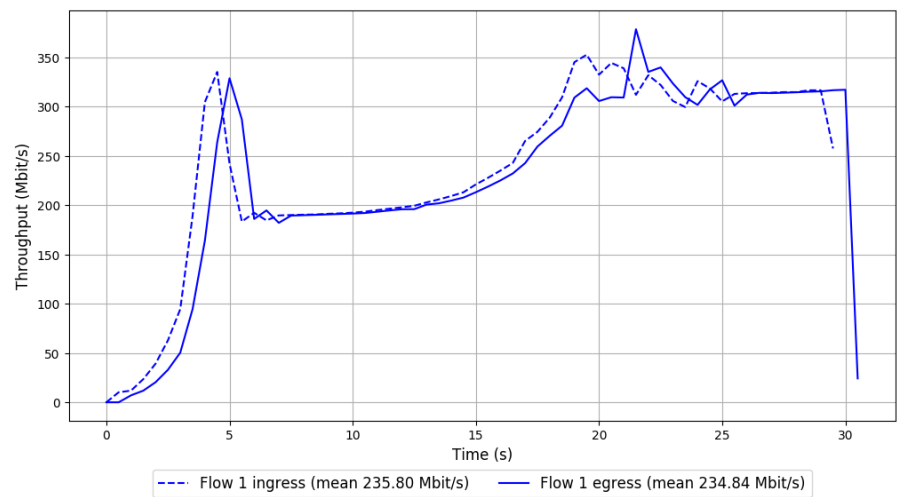


Run 3: Statistics of PCC-Expr

Start at: 2020-02-18 11:19:31
End at: 2020-02-18 11:20:01
Local clock offset: -0.084 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2020-02-18 14:50:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 234.84 Mbit/s
95th percentile per-packet one-way delay: 227.416 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 234.84 Mbit/s
95th percentile per-packet one-way delay: 227.416 ms
Loss rate: 0.41%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2020-02-18 11:54:39

End at: 2020-02-18 11:55:09

Local clock offset: 0.233 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2020-02-18 14:54:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 232.32 Mbit/s

95th percentile per-packet one-way delay: 178.102 ms

Loss rate: 0.29%

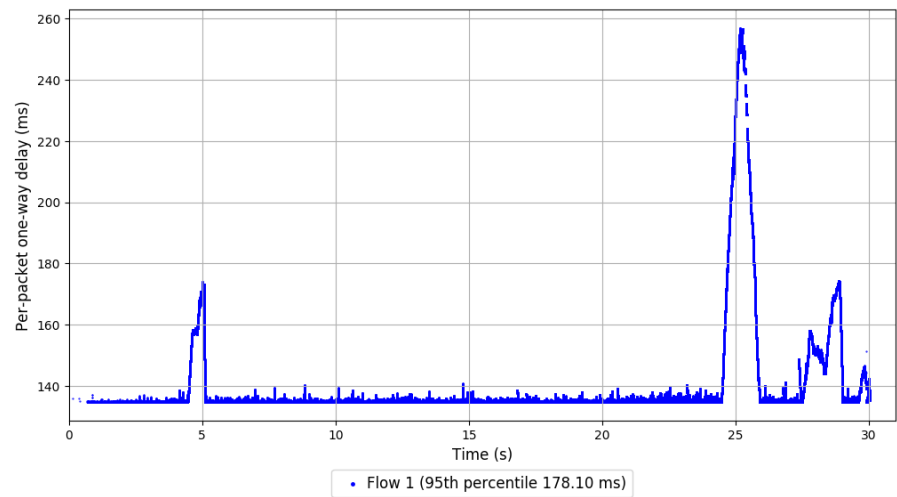
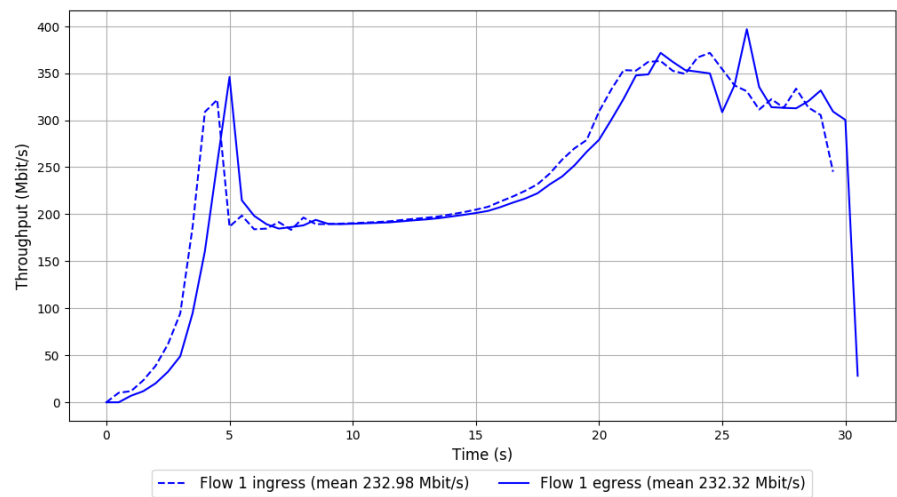
-- Flow 1:

Average throughput: 232.32 Mbit/s

95th percentile per-packet one-way delay: 178.102 ms

Loss rate: 0.29%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2020-02-18 12:30:25

End at: 2020-02-18 12:30:55

Local clock offset: 0.304 ms

Remote clock offset: 0.097 ms

Below is generated by plot.py at 2020-02-18 14:54:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 199.52 Mbit/s

95th percentile per-packet one-way delay: 135.431 ms

Loss rate: 0.00%

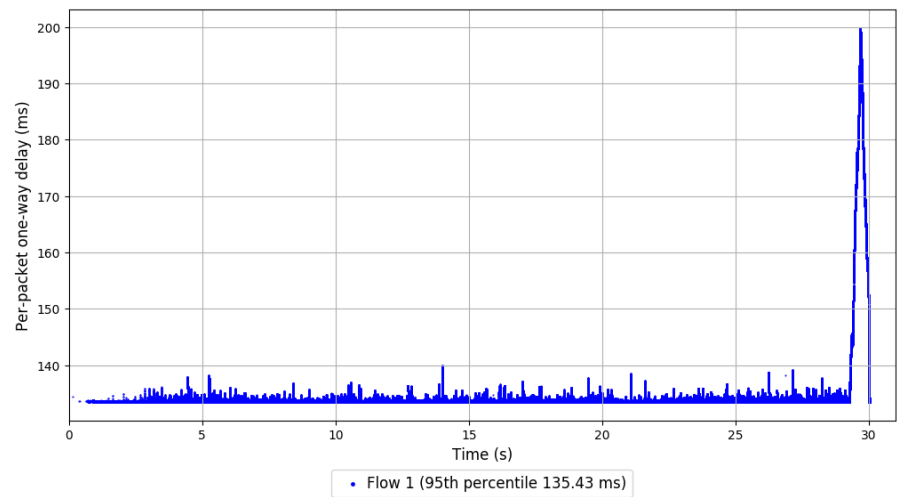
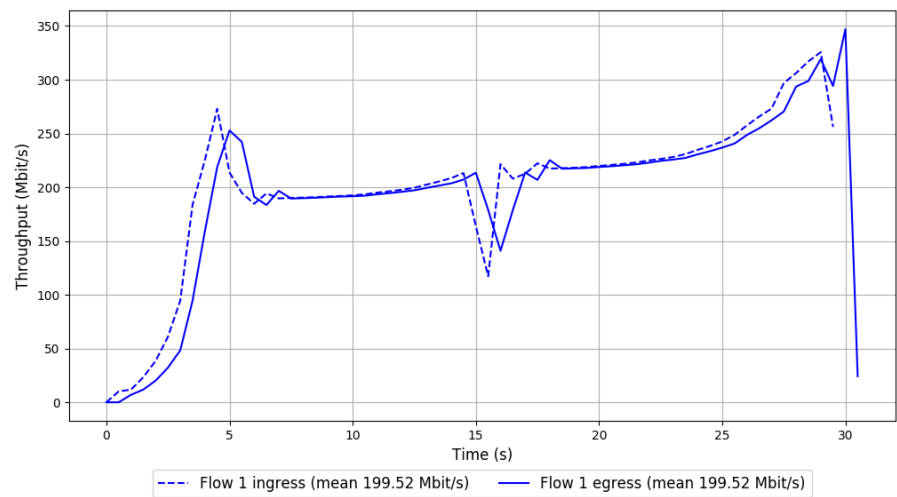
-- Flow 1:

Average throughput: 199.52 Mbit/s

95th percentile per-packet one-way delay: 135.431 ms

Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

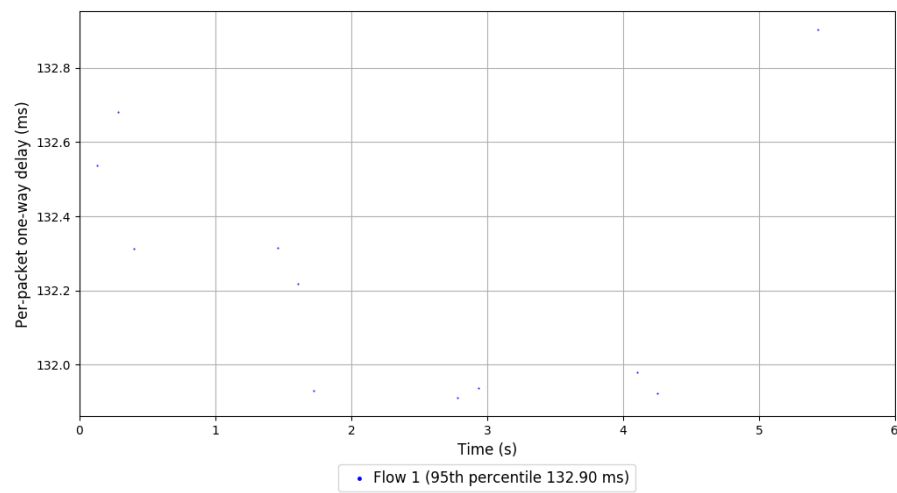
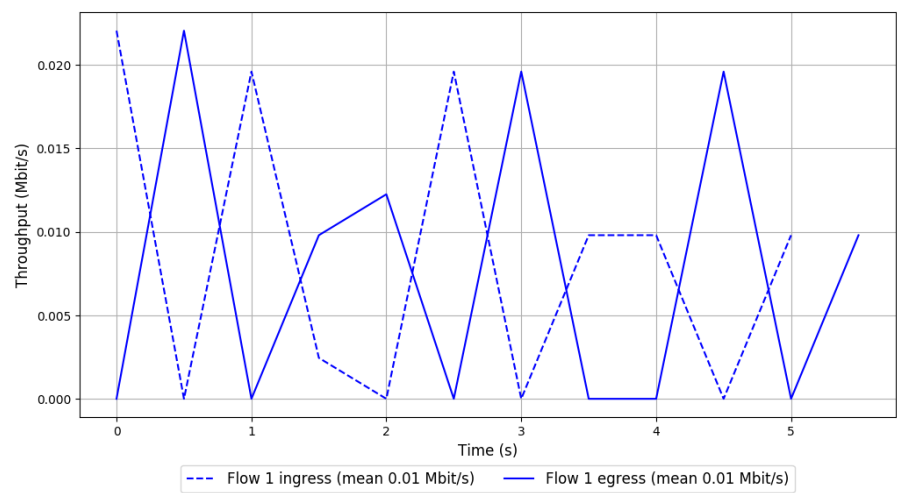
Start at: 2020-02-18 10:20:02

End at: 2020-02-18 10:20:32

Local clock offset: 0.255 ms

Remote clock offset: -0.02 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2020-02-18 10:55:56

End at: 2020-02-18 10:56:26

Local clock offset: -0.055 ms

Remote clock offset: -0.155 ms

Below is generated by plot.py at 2020-02-18 14:54:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.60 Mbit/s

95th percentile per-packet one-way delay: 135.208 ms

Loss rate: 0.01%

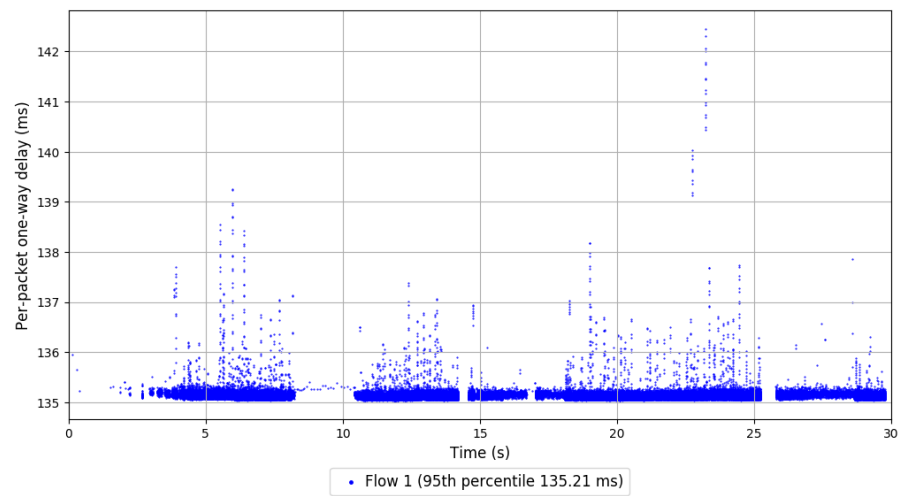
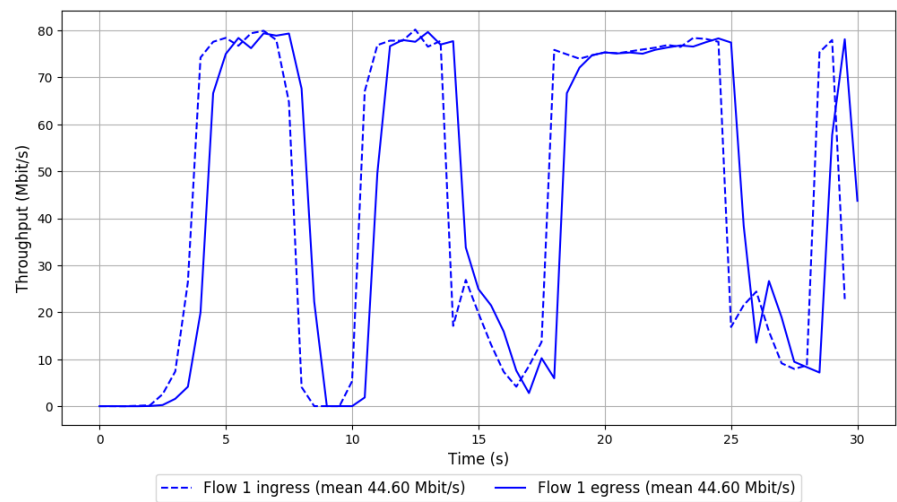
-- Flow 1:

Average throughput: 44.60 Mbit/s

95th percentile per-packet one-way delay: 135.208 ms

Loss rate: 0.01%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2020-02-18 11:31:25

End at: 2020-02-18 11:31:55

Local clock offset: -0.146 ms

Remote clock offset: -0.093 ms

Below is generated by plot.py at 2020-02-18 14:54:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.93 Mbit/s

95th percentile per-packet one-way delay: 134.643 ms

Loss rate: 0.00%

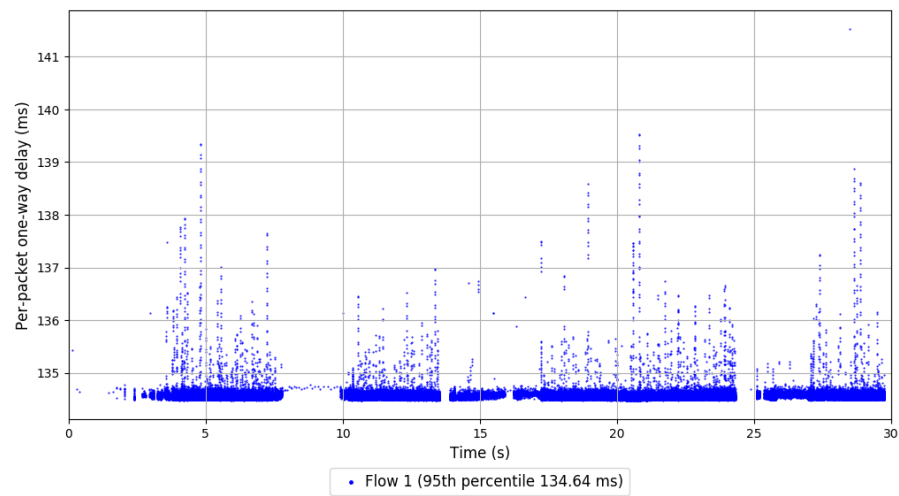
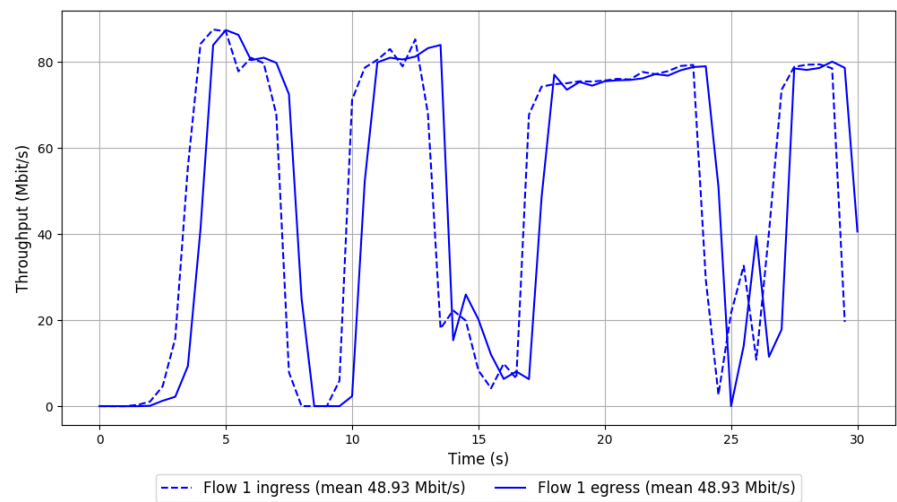
-- Flow 1:

Average throughput: 48.93 Mbit/s

95th percentile per-packet one-way delay: 134.643 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2020-02-18 12:07:04

End at: 2020-02-18 12:07:34

Local clock offset: -0.098 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2020-02-18 14:54:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.73 Mbit/s

95th percentile per-packet one-way delay: 134.588 ms

Loss rate: 0.00%

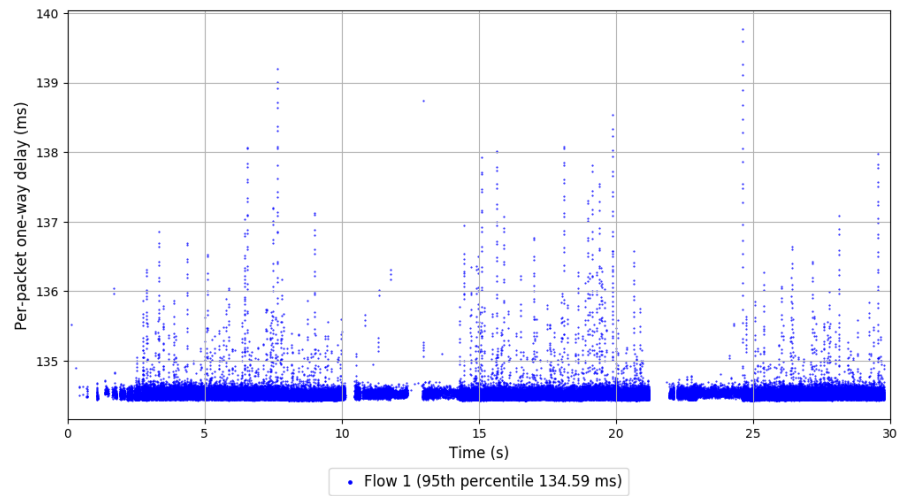
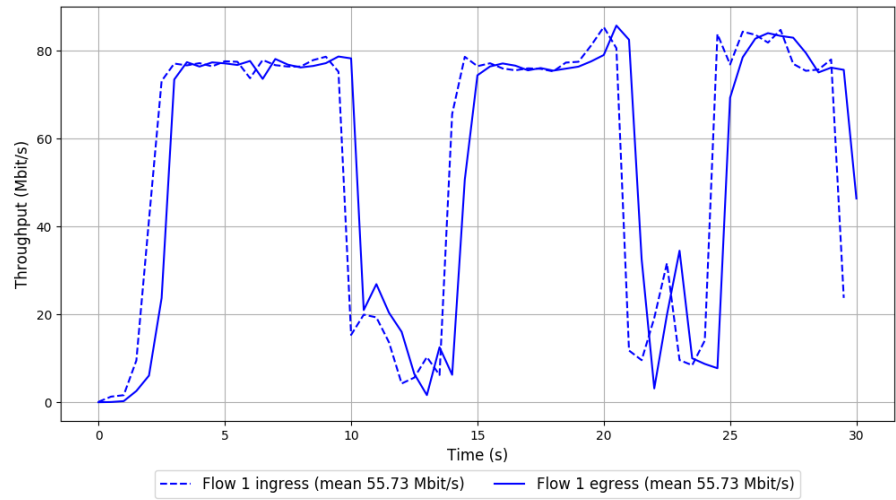
-- Flow 1:

Average throughput: 55.73 Mbit/s

95th percentile per-packet one-way delay: 134.588 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2020-02-18 12:42:37

End at: 2020-02-18 12:43:07

Local clock offset: -0.045 ms

Remote clock offset: 0.146 ms

Below is generated by plot.py at 2020-02-18 14:54:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.54 Mbit/s

95th percentile per-packet one-way delay: 133.742 ms

Loss rate: 0.00%

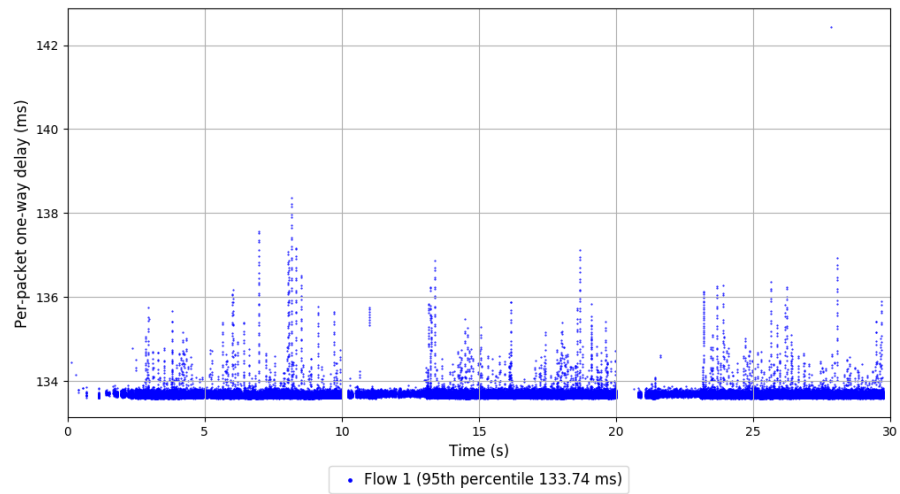
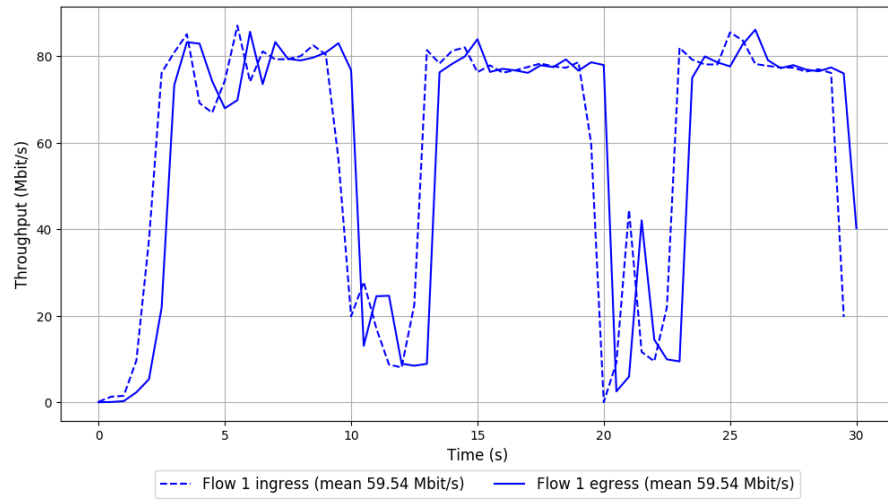
-- Flow 1:

Average throughput: 59.54 Mbit/s

95th percentile per-packet one-way delay: 133.742 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

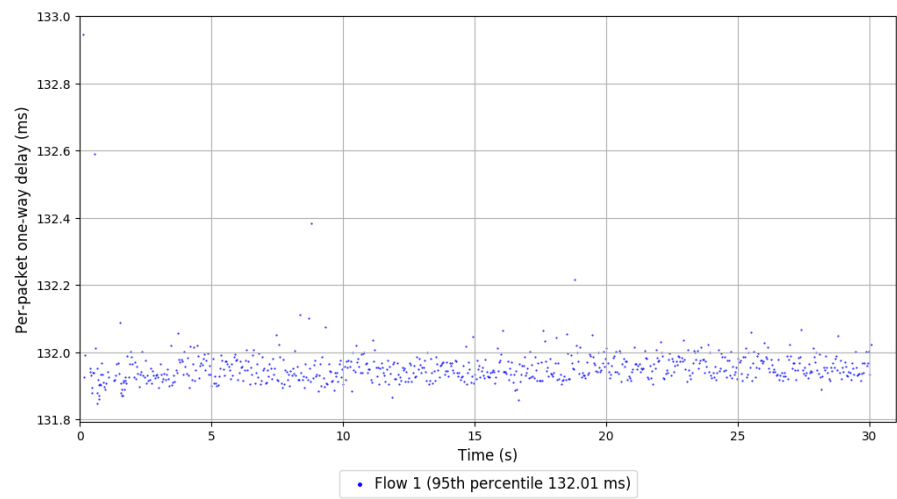
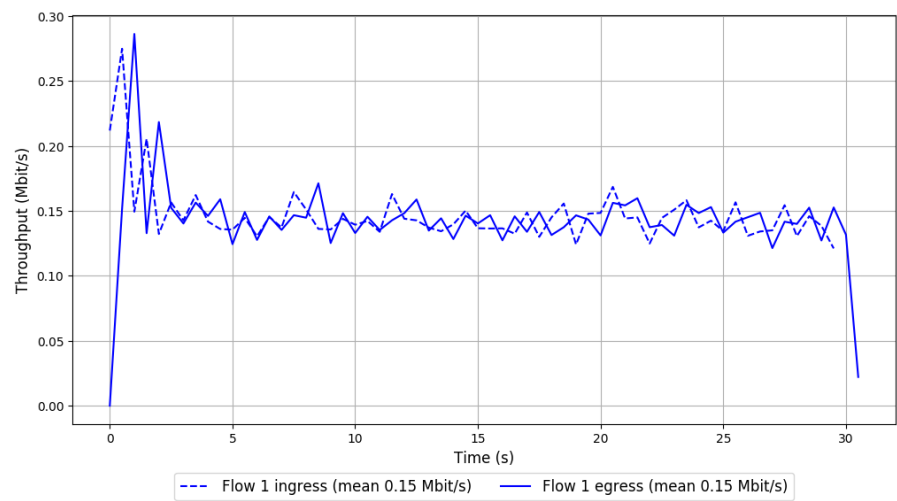


```
Run 1: Statistics of SCReAM

Start at: 2020-02-18 10:15:29
End at: 2020-02-18 10:15:59
Local clock offset: 0.181 ms
Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2020-02-18 14:54:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 132.015 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 132.015 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

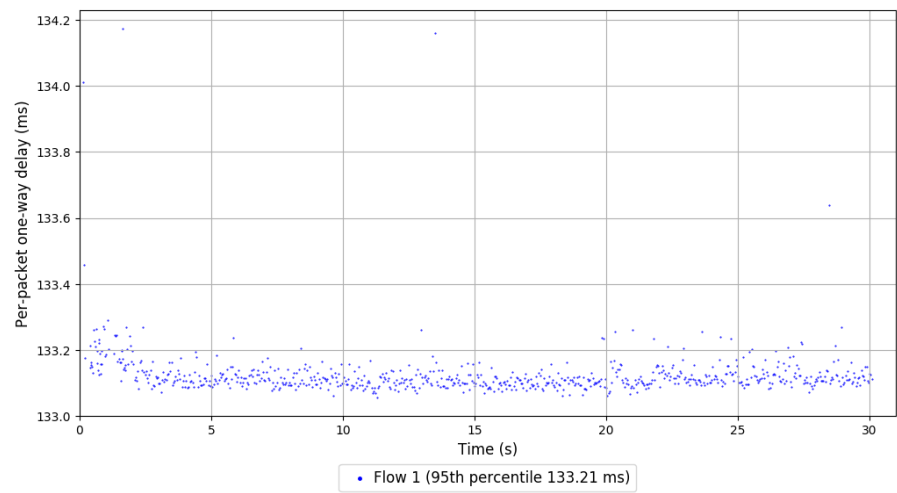
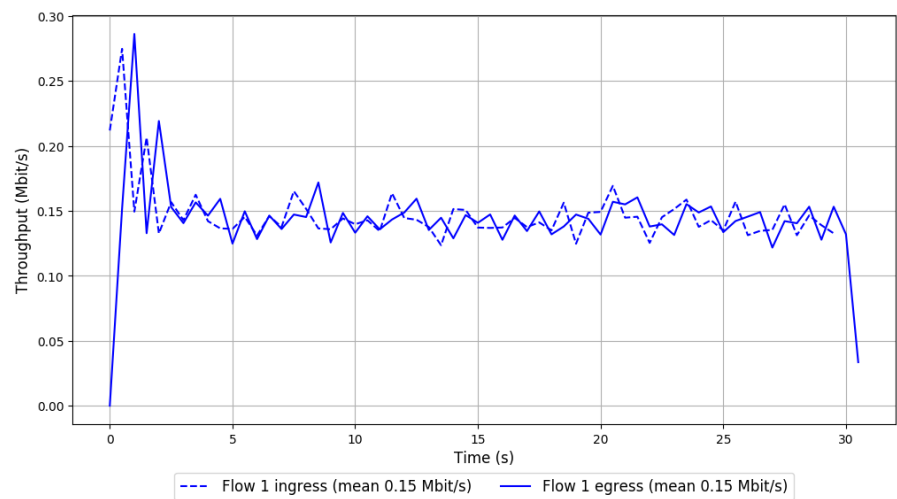


Run 2: Statistics of SCReAM

Start at: 2020-02-18 10:51:25
End at: 2020-02-18 10:51:55
Local clock offset: -0.108 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2020-02-18 14:54:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.206 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.206 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

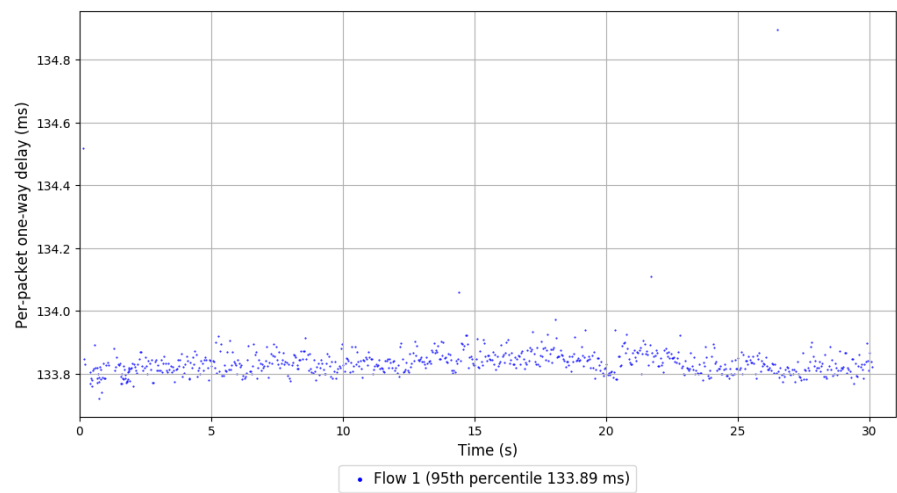
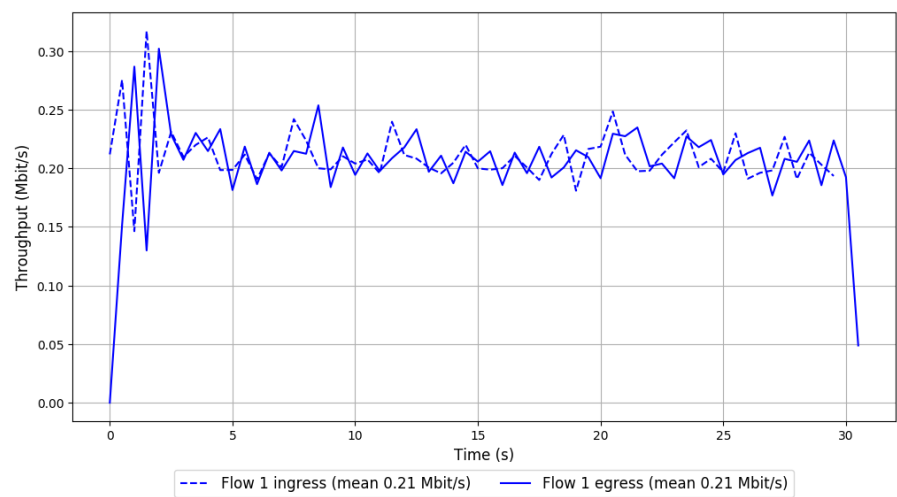


Run 3: Statistics of SCReAM

Start at: 2020-02-18 11:26:52
End at: 2020-02-18 11:27:22
Local clock offset: -0.11 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2020-02-18 14:54:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 133.894 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 133.894 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2020-02-18 12:02:33

End at: 2020-02-18 12:03:03

Local clock offset: -0.083 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2020-02-18 14:54:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 134.701 ms

Loss rate: 0.00%

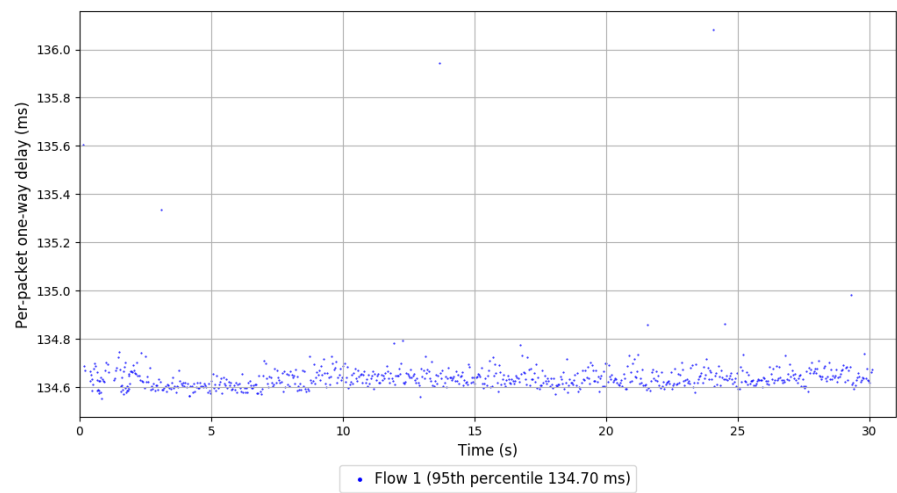
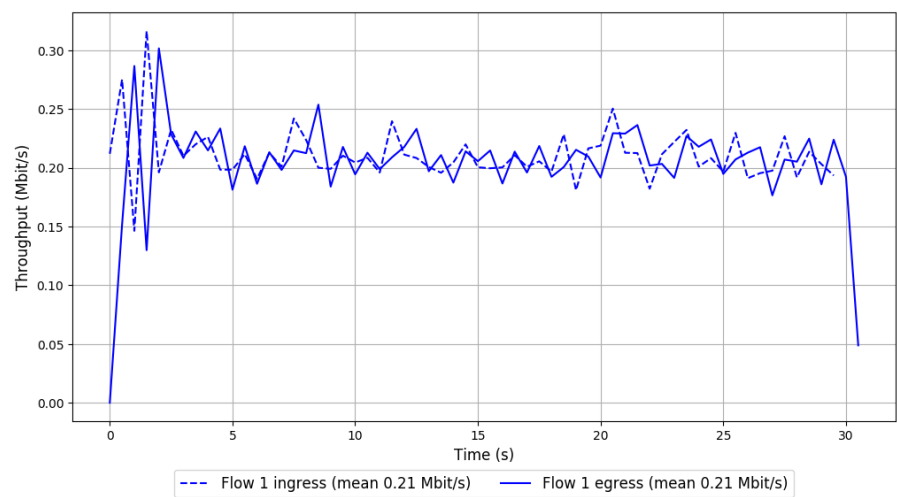
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 134.701 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2020-02-18 12:38:10

End at: 2020-02-18 12:38:40

Local clock offset: -0.04 ms

Remote clock offset: 0.124 ms

Below is generated by plot.py at 2020-02-18 14:54:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 134.248 ms

Loss rate: 0.00%

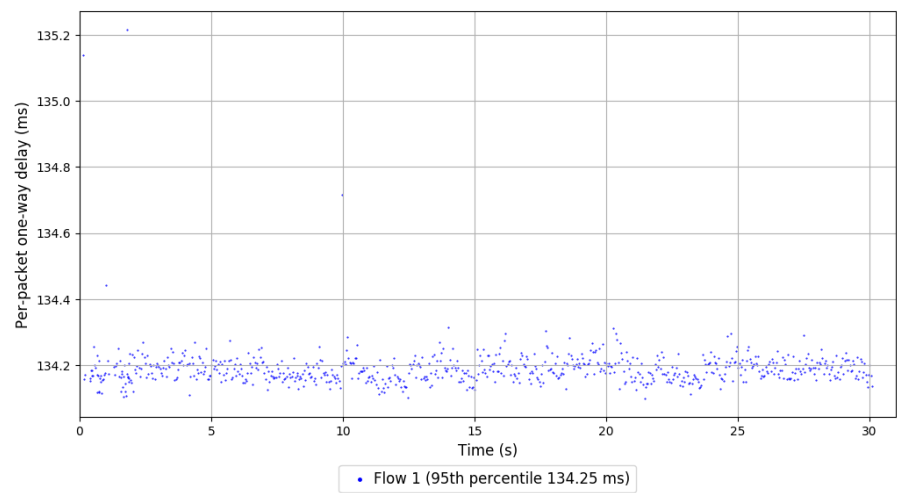
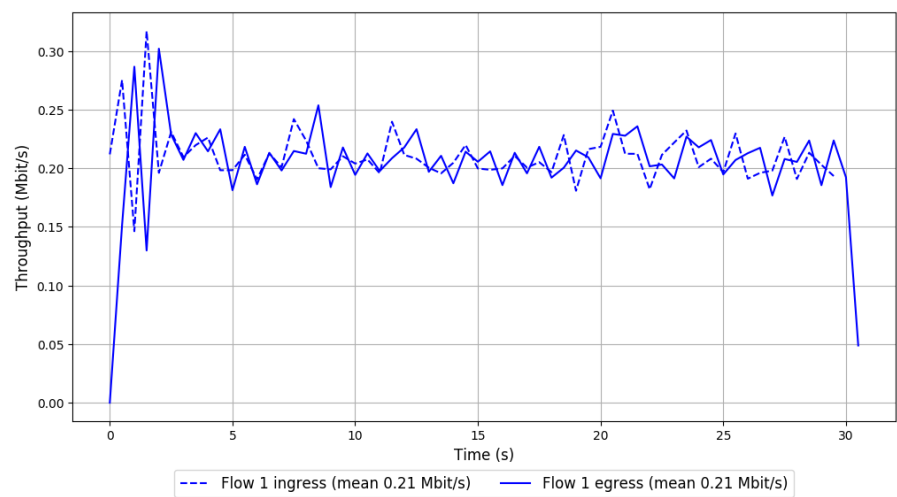
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 134.248 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

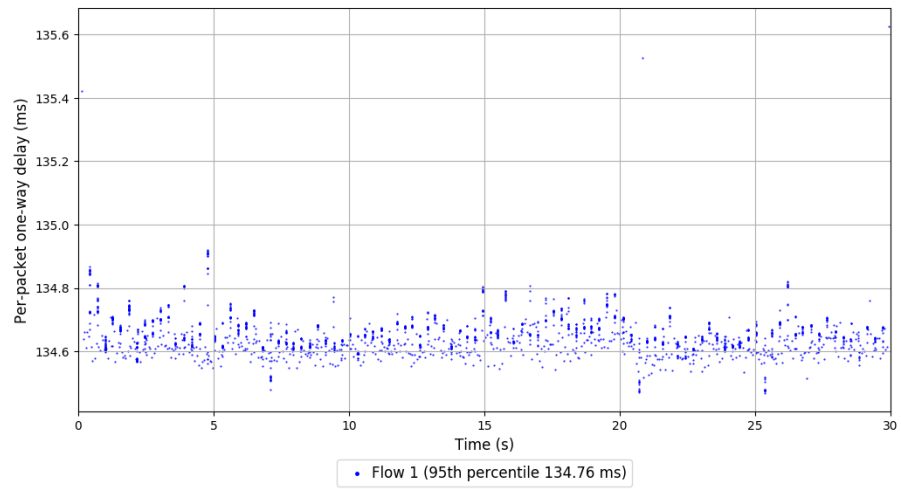
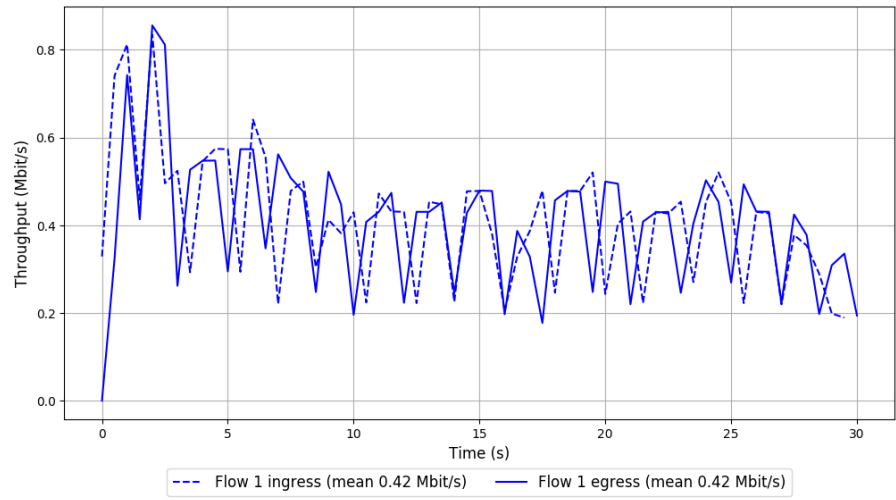


Run 1: Statistics of Sprout

Start at: 2020-02-18 10:28:26
End at: 2020-02-18 10:28:56
Local clock offset: -0.097 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2020-02-18 14:54:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 134.761 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 134.761 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

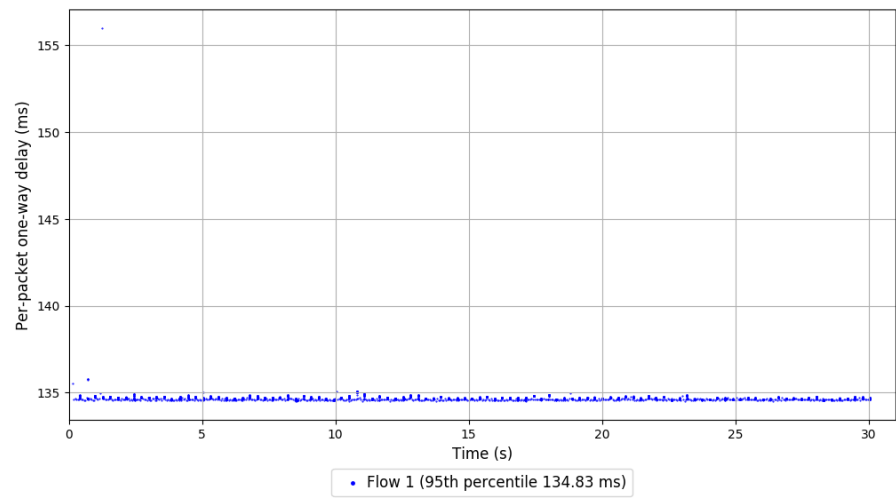
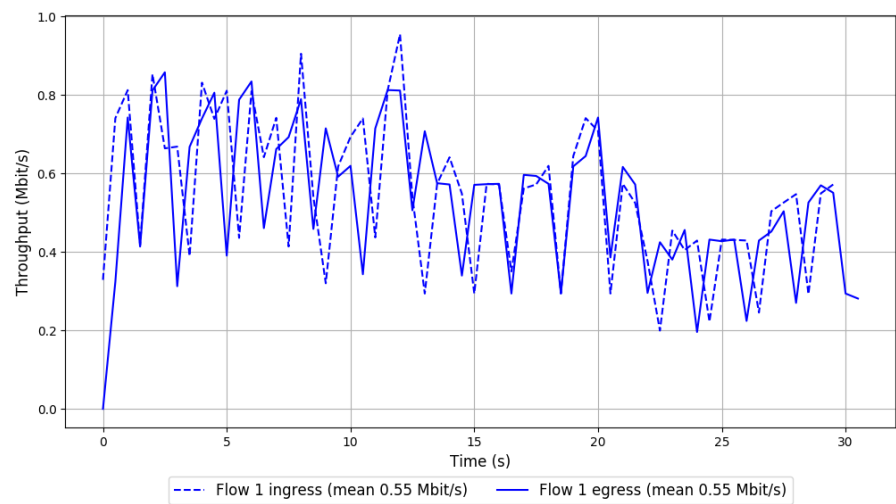


Run 2: Statistics of Sprout

Start at: 2020-02-18 11:04:43
End at: 2020-02-18 11:05:13
Local clock offset: -0.044 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2020-02-18 14:54:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 134.826 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 134.826 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

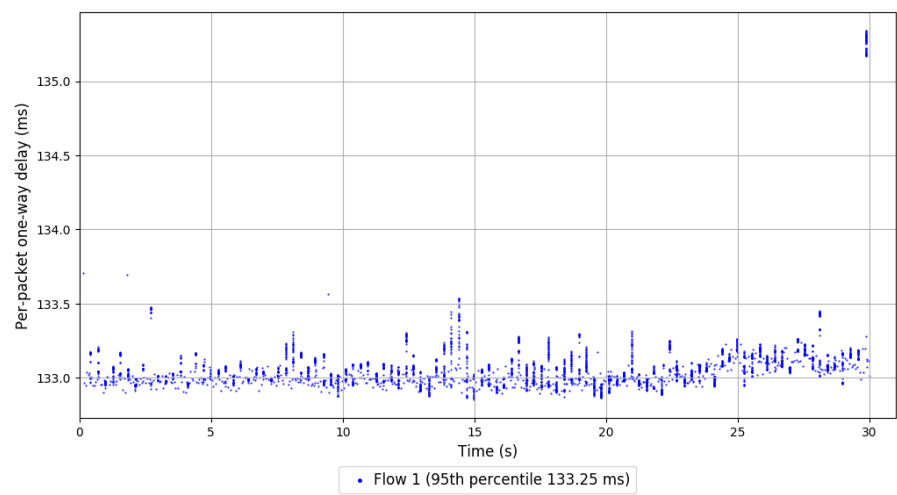
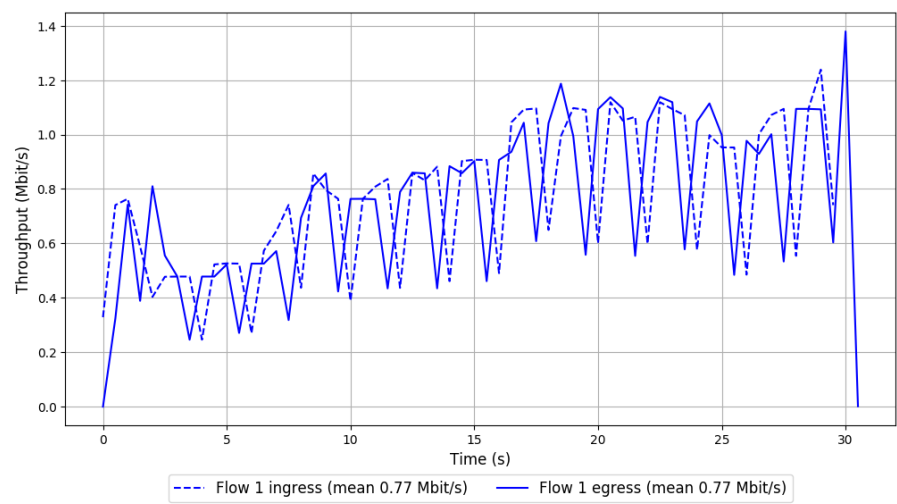


Run 3: Statistics of Sprout

Start at: 2020-02-18 11:39:52
End at: 2020-02-18 11:40:22
Local clock offset: -0.109 ms
Remote clock offset: -0.08 ms

Below is generated by plot.py at 2020-02-18 14:54:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.77 Mbit/s
95th percentile per-packet one-way delay: 133.255 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.77 Mbit/s
95th percentile per-packet one-way delay: 133.255 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2020-02-18 12:15:40

End at: 2020-02-18 12:16:10

Local clock offset: -0.078 ms

Remote clock offset: 0.112 ms

Below is generated by plot.py at 2020-02-18 14:54:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 134.051 ms

Loss rate: 0.00%

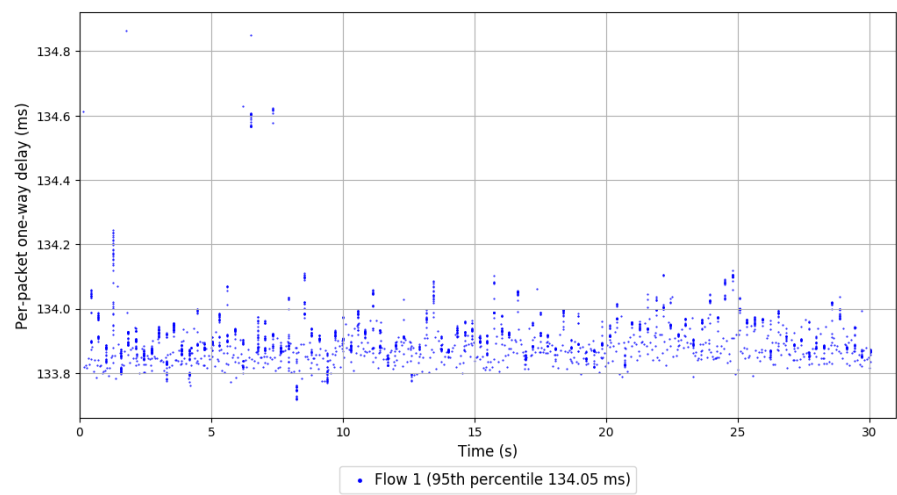
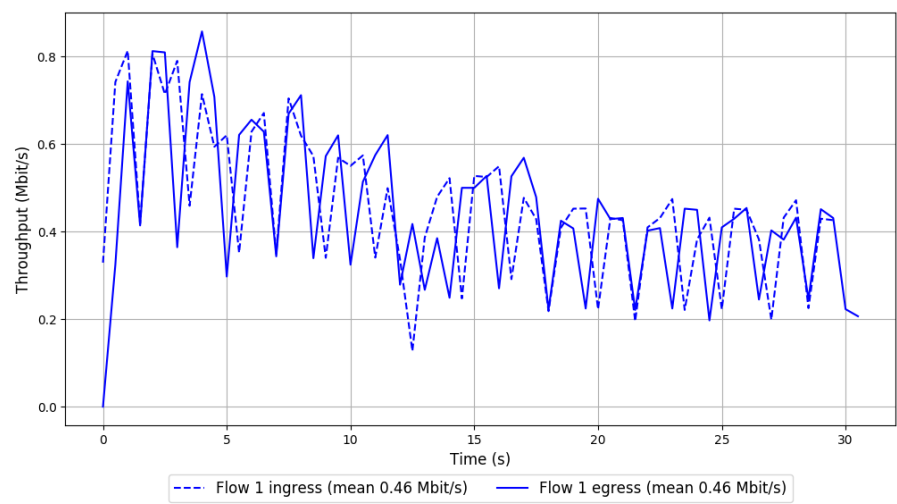
-- Flow 1:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 134.051 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2020-02-18 12:51:12

End at: 2020-02-18 12:51:42

Local clock offset: -0.082 ms

Remote clock offset: 0.2 ms

Below is generated by plot.py at 2020-02-18 14:54:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 134.329 ms

Loss rate: 0.00%

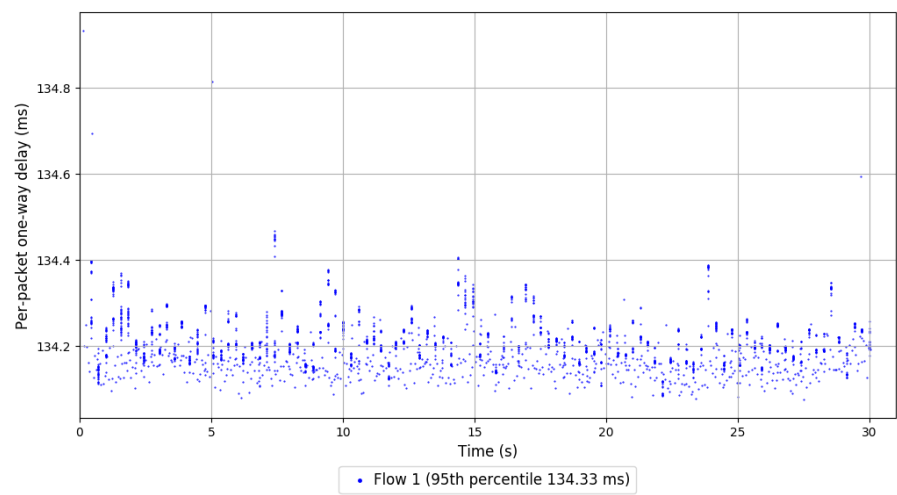
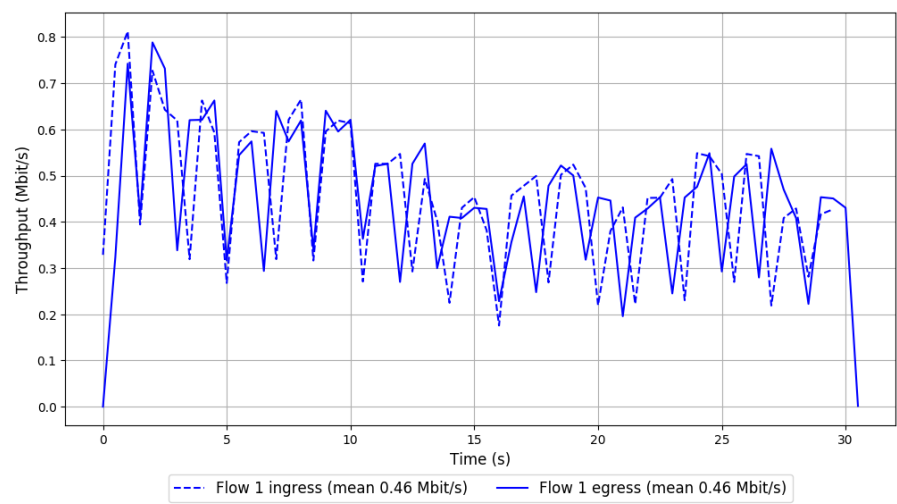
-- Flow 1:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 134.329 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2020-02-18 10:27:12

End at: 2020-02-18 10:27:42

Local clock offset: -0.069 ms

Remote clock offset: -0.032 ms

Below is generated by plot.py at 2020-02-18 14:54:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.09 Mbit/s

95th percentile per-packet one-way delay: 132.154 ms

Loss rate: 0.00%

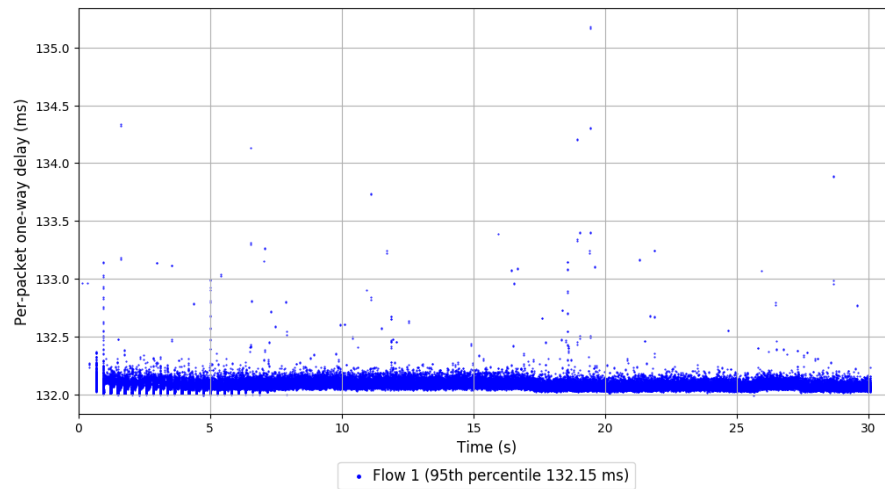
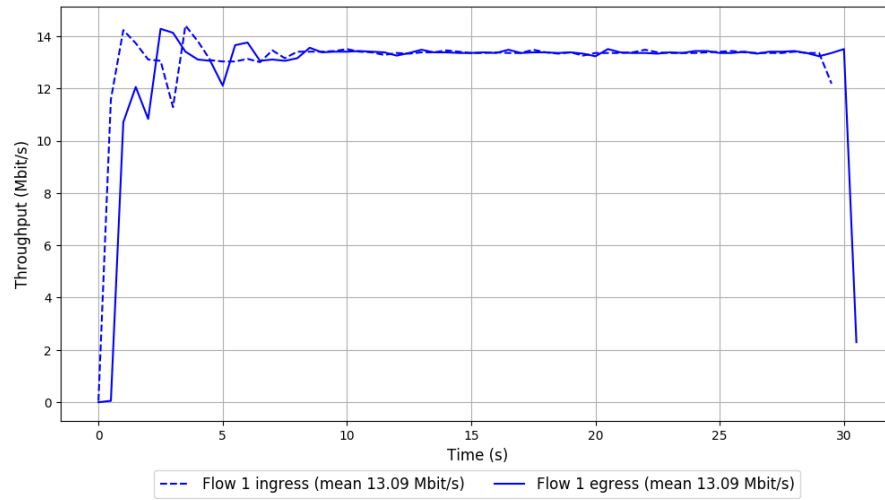
-- Flow 1:

Average throughput: 13.09 Mbit/s

95th percentile per-packet one-way delay: 132.154 ms

Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

Start at: 2020-02-18 11:03:10

End at: 2020-02-18 11:03:40

Local clock offset: 0.29 ms

Remote clock offset: -0.127 ms

Below is generated by plot.py at 2020-02-18 14:56:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 195.28 Mbit/s

95th percentile per-packet one-way delay: 132.388 ms

Loss rate: 0.03%

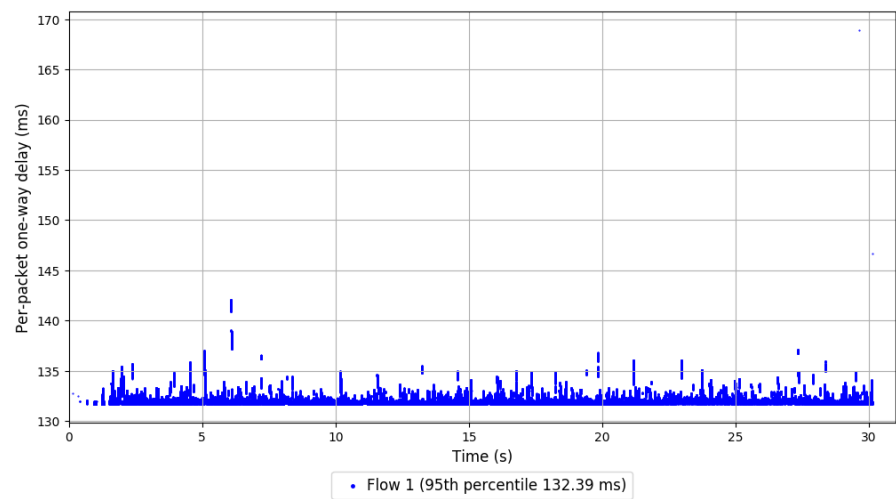
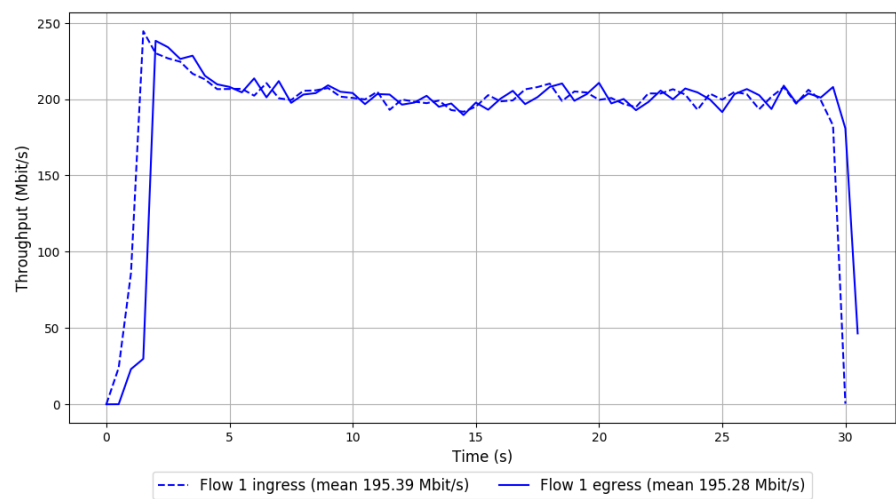
-- Flow 1:

Average throughput: 195.28 Mbit/s

95th percentile per-packet one-way delay: 132.388 ms

Loss rate: 0.03%

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

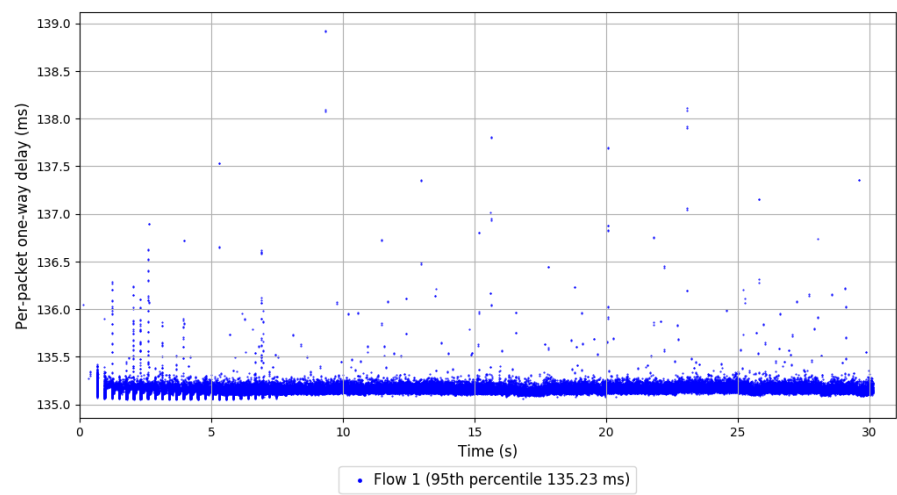
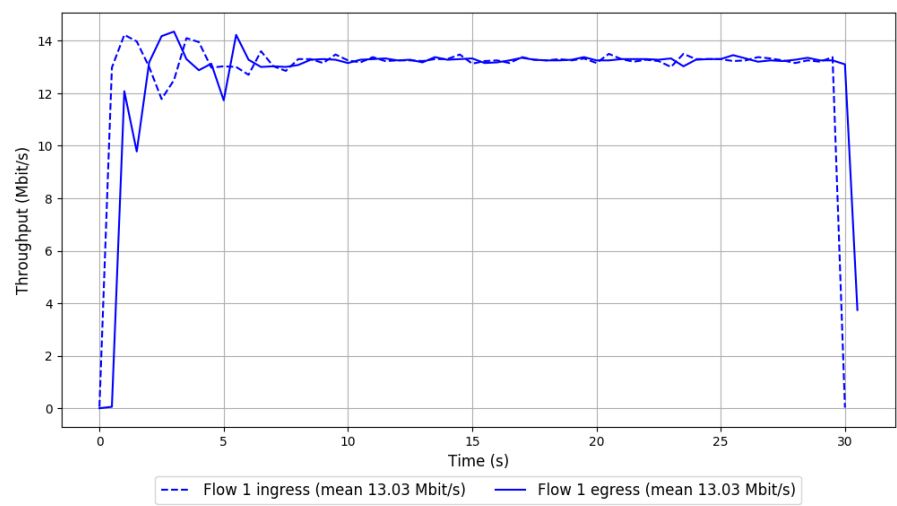


Run 3: Statistics of TaoVA-100x

Start at: 2020-02-18 11:38:39
End at: 2020-02-18 11:39:09
Local clock offset: -0.081 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2020-02-18 14:56:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.03 Mbit/s
95th percentile per-packet one-way delay: 135.230 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.03 Mbit/s
95th percentile per-packet one-way delay: 135.230 ms
Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2020-02-18 12:14:09

End at: 2020-02-18 12:14:39

Local clock offset: -0.088 ms

Remote clock offset: 0.078 ms

Below is generated by plot.py at 2020-02-18 14:56:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.14 Mbit/s

95th percentile per-packet one-way delay: 134.646 ms

Loss rate: 0.00%

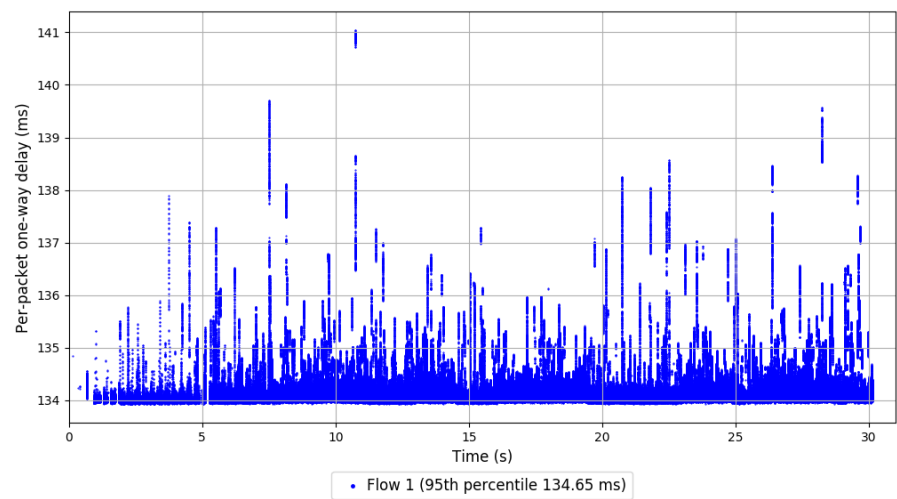
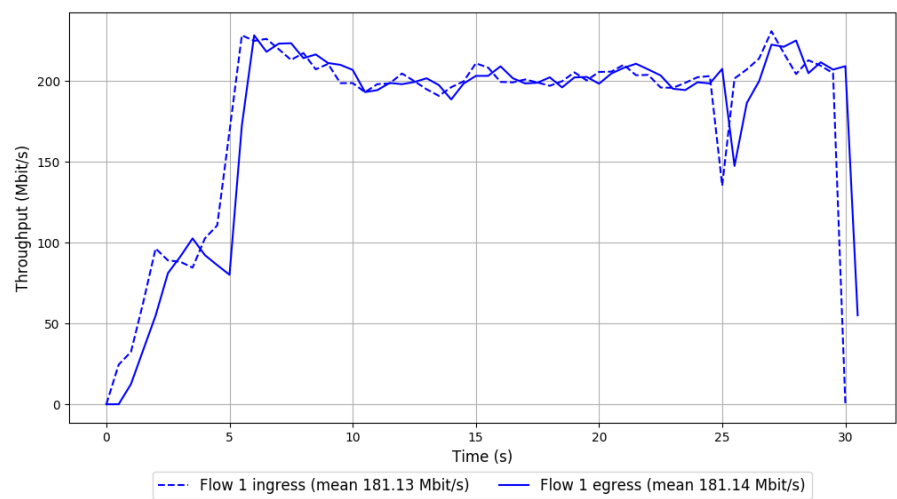
-- Flow 1:

Average throughput: 181.14 Mbit/s

95th percentile per-packet one-way delay: 134.646 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2020-02-18 12:49:40

End at: 2020-02-18 12:50:10

Local clock offset: -0.077 ms

Remote clock offset: 0.218 ms

Below is generated by plot.py at 2020-02-18 14:57:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 195.37 Mbit/s

95th percentile per-packet one-way delay: 134.771 ms

Loss rate: 0.00%

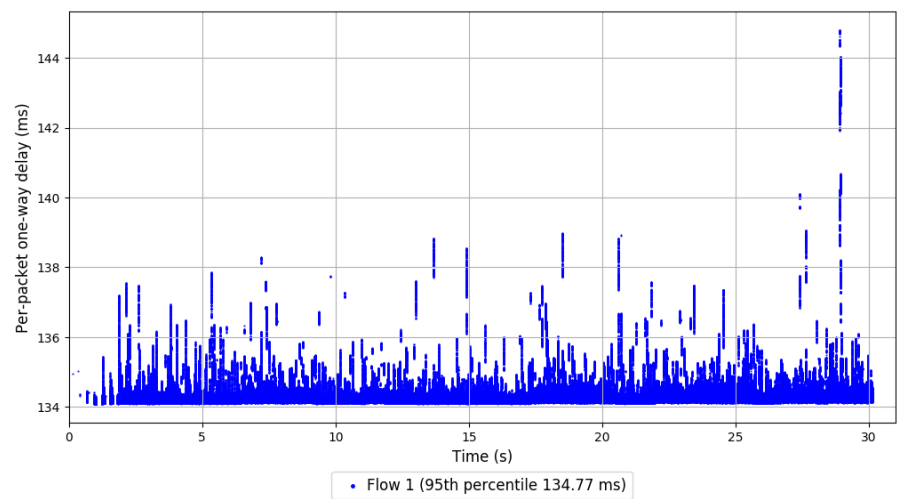
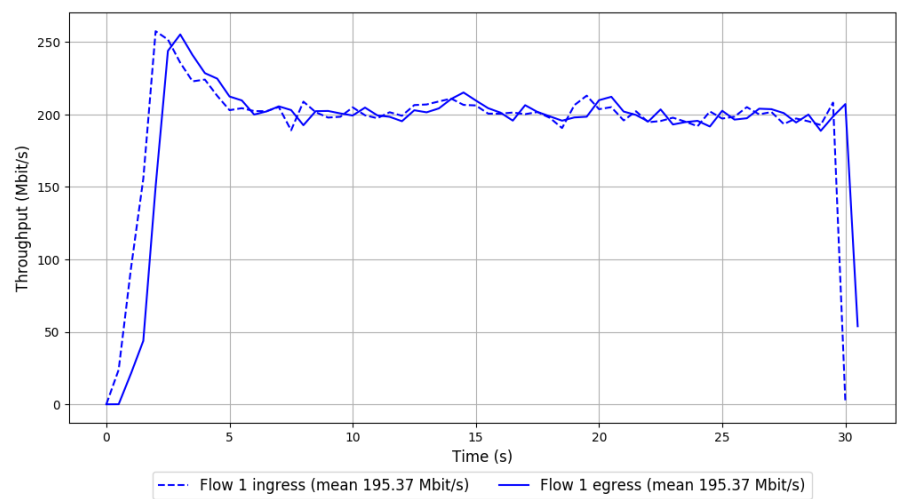
-- Flow 1:

Average throughput: 195.37 Mbit/s

95th percentile per-packet one-way delay: 134.771 ms

Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2020-02-18 09:57:50

End at: 2020-02-18 09:58:20

Local clock offset: -0.004 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2020-02-18 14:57:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 114.92 Mbit/s

95th percentile per-packet one-way delay: 135.039 ms

Loss rate: 0.00%

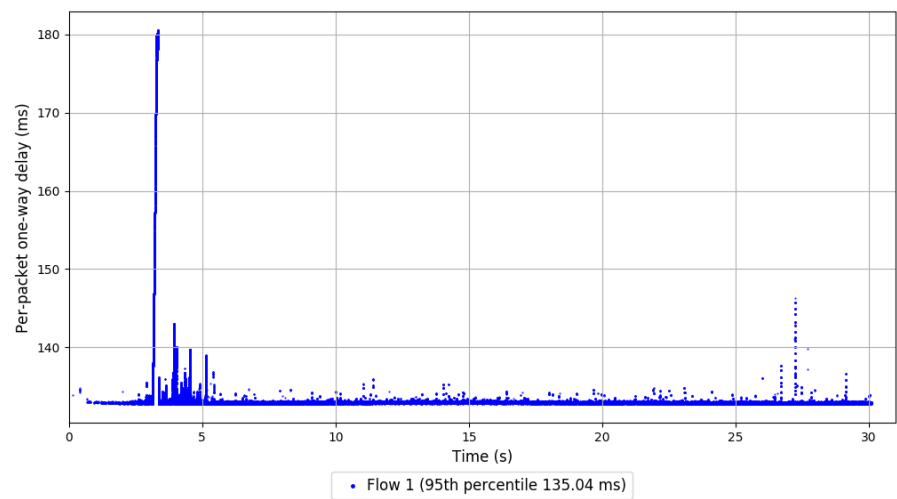
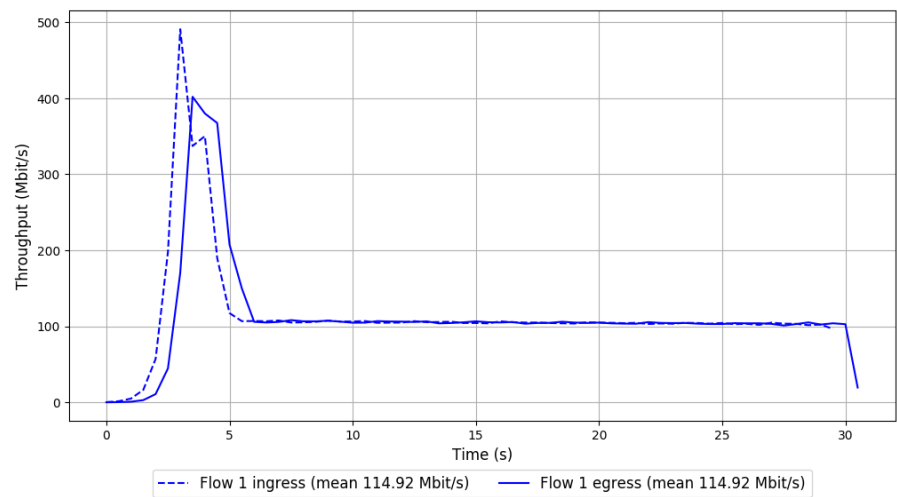
-- Flow 1:

Average throughput: 114.92 Mbit/s

95th percentile per-packet one-way delay: 135.039 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

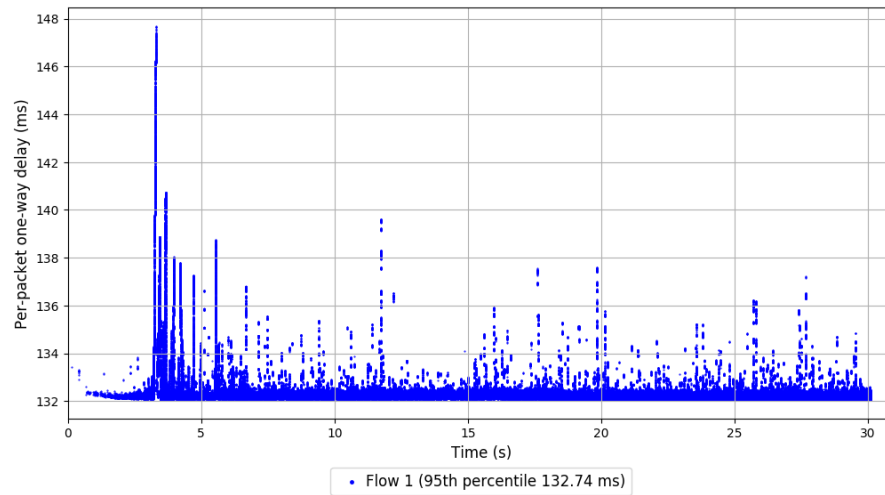
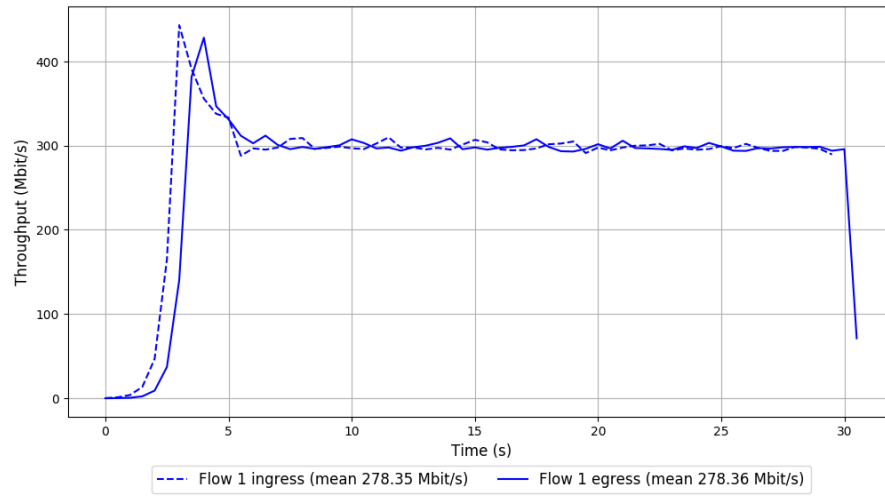


Run 2: Statistics of TCP Vegas

Start at: 2020-02-18 10:32:51
End at: 2020-02-18 10:33:21
Local clock offset: -0.12 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2020-02-18 14:57:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 278.36 Mbit/s
95th percentile per-packet one-way delay: 132.737 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 278.36 Mbit/s
95th percentile per-packet one-way delay: 132.737 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

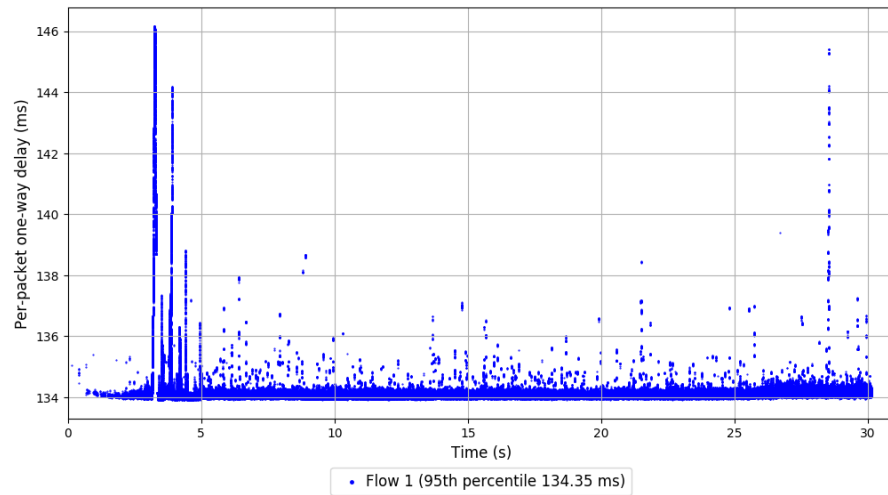
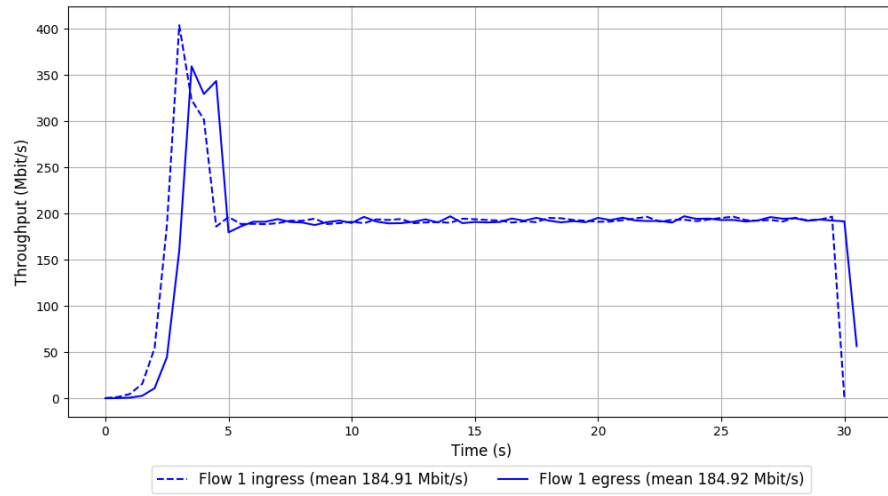


Run 3: Statistics of TCP Vegas

Start at: 2020-02-18 11:08:58
End at: 2020-02-18 11:09:28
Local clock offset: -0.078 ms
Remote clock offset: -0.168 ms

Below is generated by plot.py at 2020-02-18 14:57:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 184.92 Mbit/s
95th percentile per-packet one-way delay: 134.347 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 184.92 Mbit/s
95th percentile per-packet one-way delay: 134.347 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

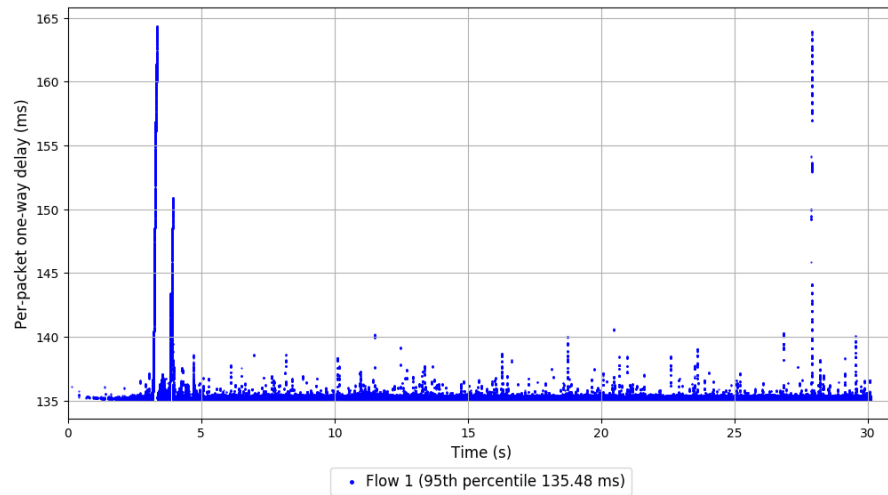
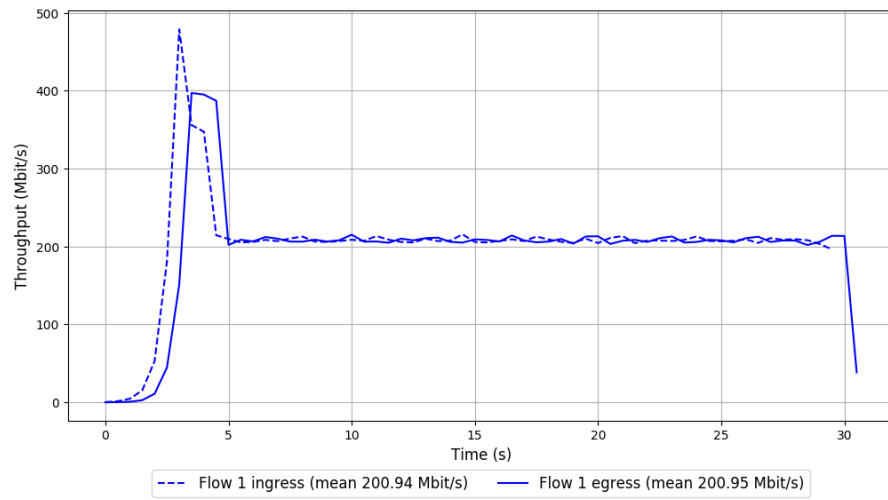


Run 4: Statistics of TCP Vegas

Start at: 2020-02-18 11:44:19
End at: 2020-02-18 11:44:49
Local clock offset: -0.134 ms
Remote clock offset: -0.143 ms

Below is generated by plot.py at 2020-02-18 14:57:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 200.95 Mbit/s
95th percentile per-packet one-way delay: 135.479 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 200.95 Mbit/s
95th percentile per-packet one-way delay: 135.479 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2020-02-18 12:19:40

End at: 2020-02-18 12:20:10

Local clock offset: 0.249 ms

Remote clock offset: 0.096 ms

Below is generated by plot.py at 2020-02-18 14:58:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 195.96 Mbit/s

95th percentile per-packet one-way delay: 134.122 ms

Loss rate: 0.00%

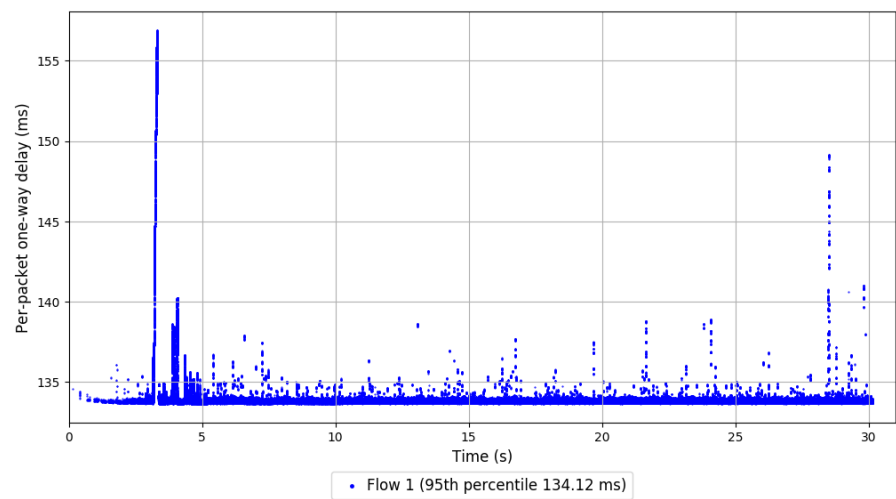
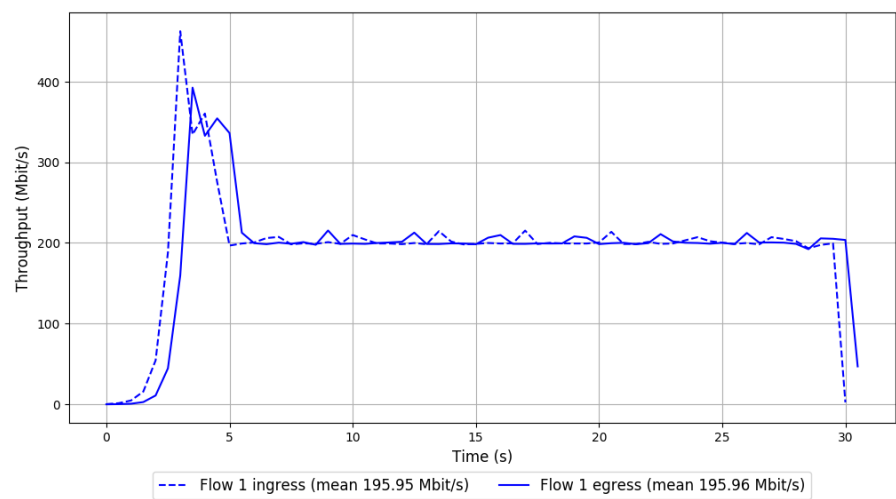
-- Flow 1:

Average throughput: 195.96 Mbit/s

95th percentile per-packet one-way delay: 134.122 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

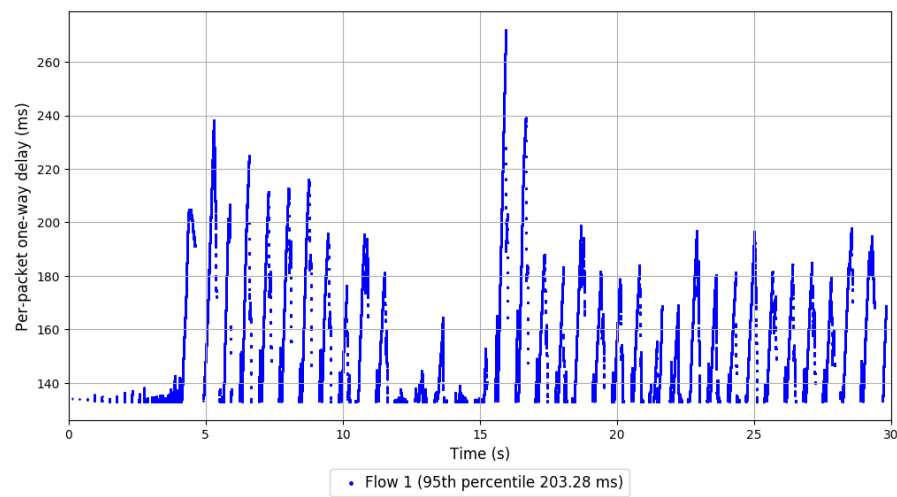
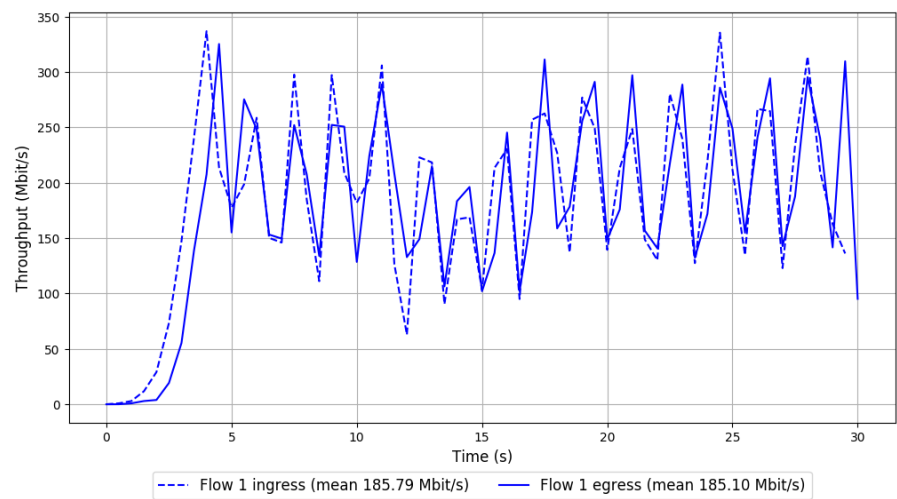


Run 1: Statistics of Verus

Start at: 2020-02-18 10:01:53
End at: 2020-02-18 10:02:23
Local clock offset: -0.013 ms
Remote clock offset: -0.359 ms

Below is generated by plot.py at 2020-02-18 15:03:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 185.10 Mbit/s
95th percentile per-packet one-way delay: 203.284 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 185.10 Mbit/s
95th percentile per-packet one-way delay: 203.284 ms
Loss rate: 0.37%

Run 1: Report of Verus — Data Link

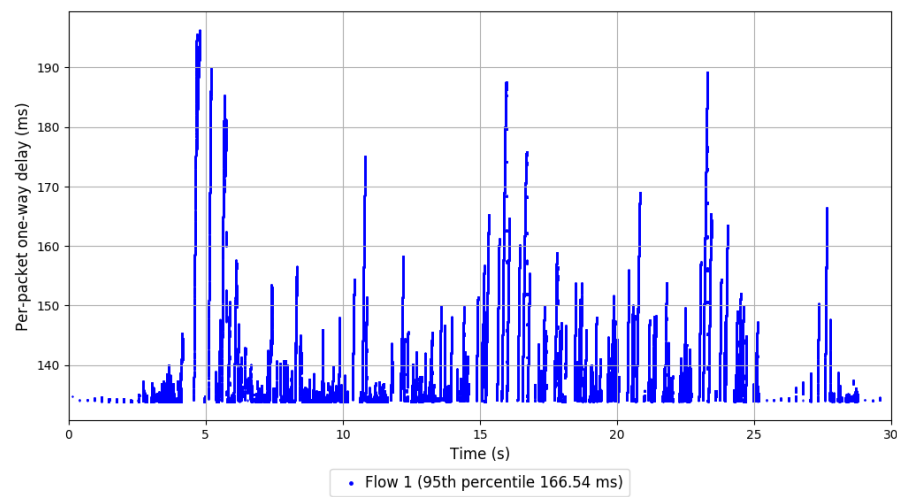
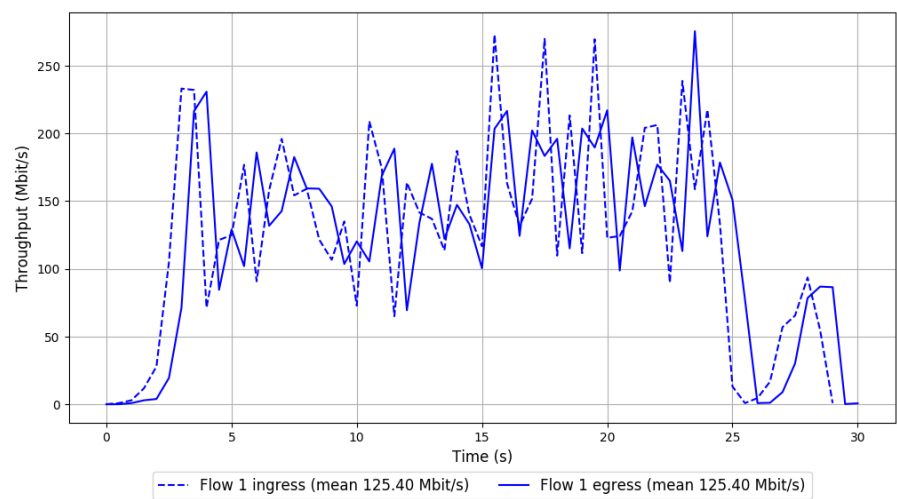


Run 2: Statistics of Verus

Start at: 2020-02-18 10:37:32
End at: 2020-02-18 10:38:02
Local clock offset: -0.081 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2020-02-18 15:03:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 125.40 Mbit/s
95th percentile per-packet one-way delay: 166.540 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 125.40 Mbit/s
95th percentile per-packet one-way delay: 166.540 ms
Loss rate: 0.00%

Run 2: Report of Verus — Data Link

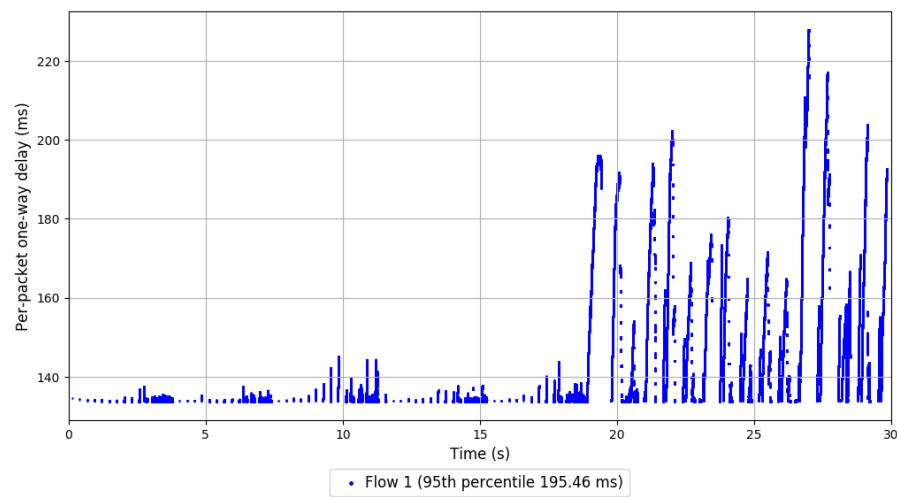
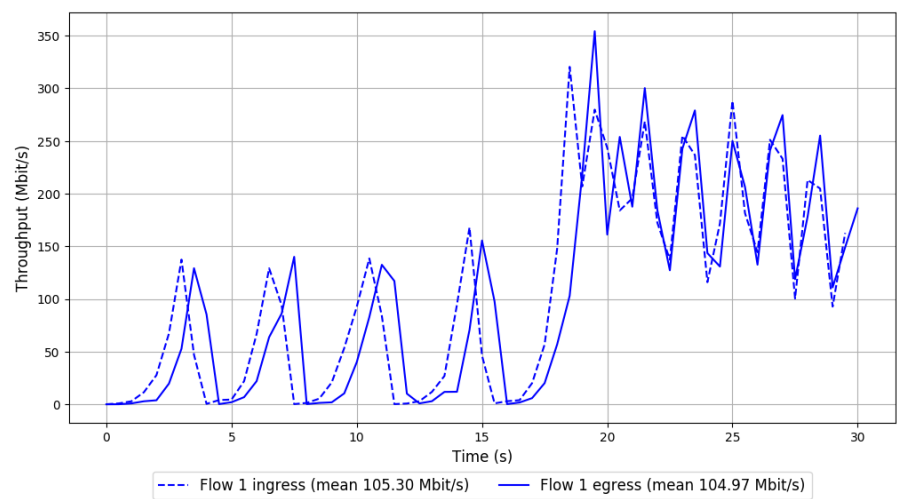


Run 3: Statistics of Verus

Start at: 2020-02-18 11:13:34
End at: 2020-02-18 11:14:04
Local clock offset: -0.189 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2020-02-18 15:03:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 104.97 Mbit/s
95th percentile per-packet one-way delay: 195.464 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 104.97 Mbit/s
95th percentile per-packet one-way delay: 195.464 ms
Loss rate: 0.30%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2020-02-18 11:48:48

End at: 2020-02-18 11:49:18

Local clock offset: -0.085 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2020-02-18 15:03:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 138.79 Mbit/s

95th percentile per-packet one-way delay: 249.569 ms

Loss rate: 0.42%

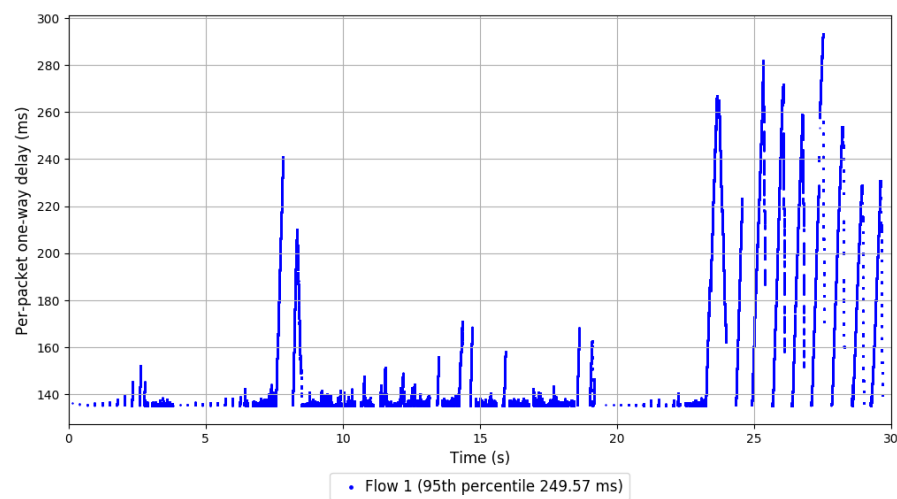
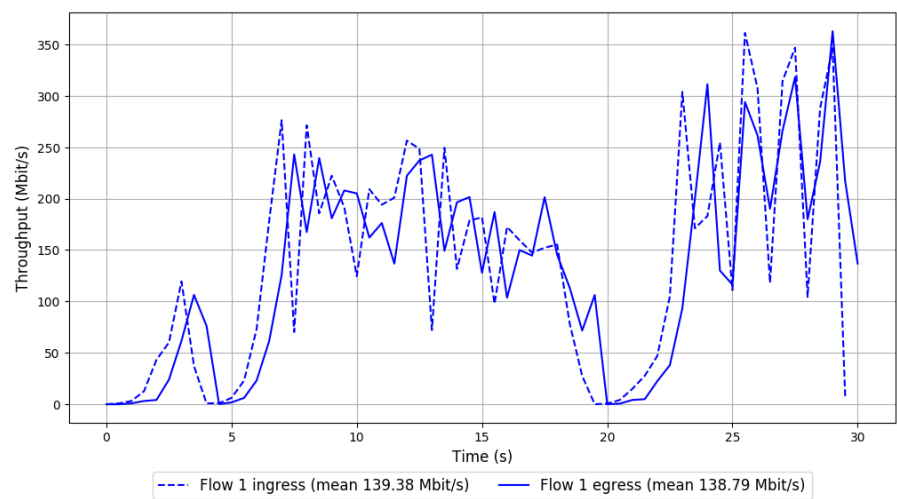
-- Flow 1:

Average throughput: 138.79 Mbit/s

95th percentile per-packet one-way delay: 249.569 ms

Loss rate: 0.42%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2020-02-18 12:24:14

End at: 2020-02-18 12:24:44

Local clock offset: -0.113 ms

Remote clock offset: 0.139 ms

Below is generated by plot.py at 2020-02-18 15:04:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 192.31 Mbit/s

95th percentile per-packet one-way delay: 287.824 ms

Loss rate: 7.12%

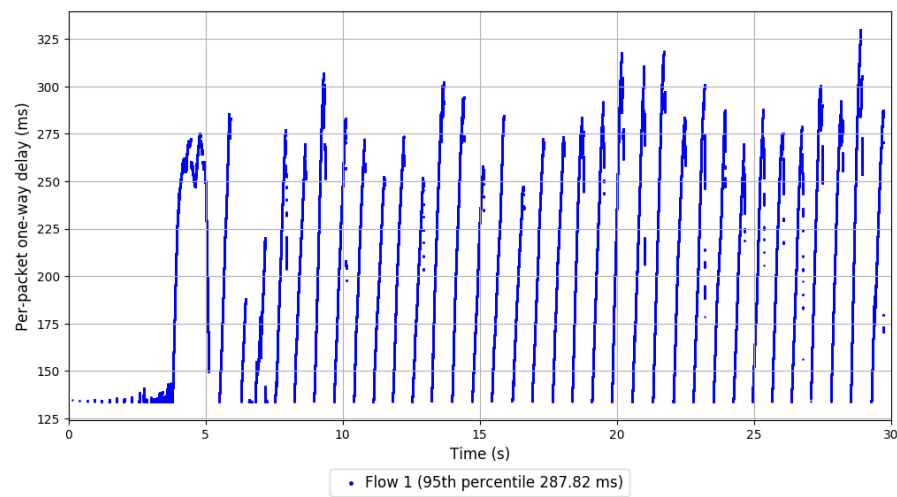
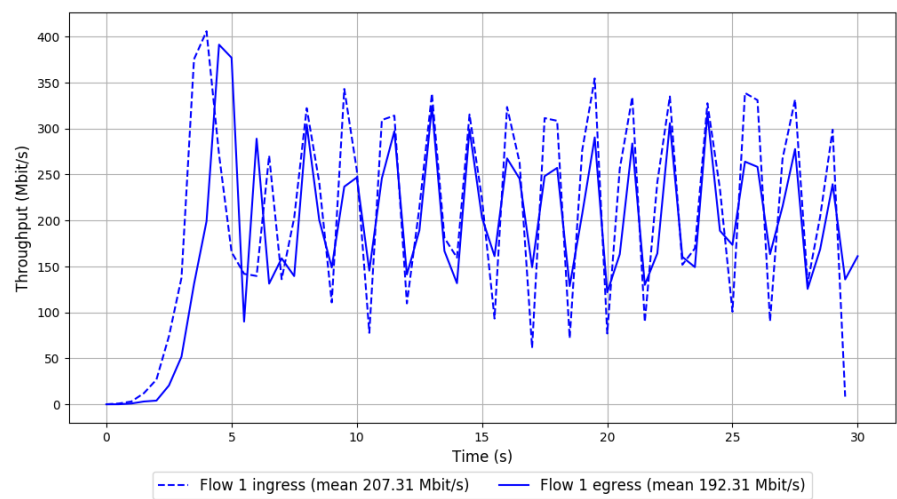
-- Flow 1:

Average throughput: 192.31 Mbit/s

95th percentile per-packet one-way delay: 287.824 ms

Loss rate: 7.12%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2020-02-18 10:05:06

End at: 2020-02-18 10:05:36

Local clock offset: -0.011 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2020-02-18 15:04:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 314.76 Mbit/s

95th percentile per-packet one-way delay: 135.318 ms

Loss rate: 0.00%

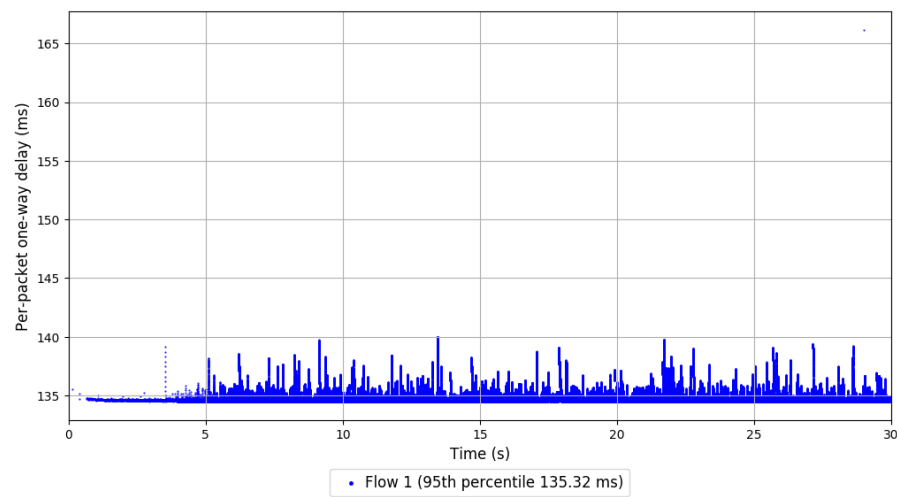
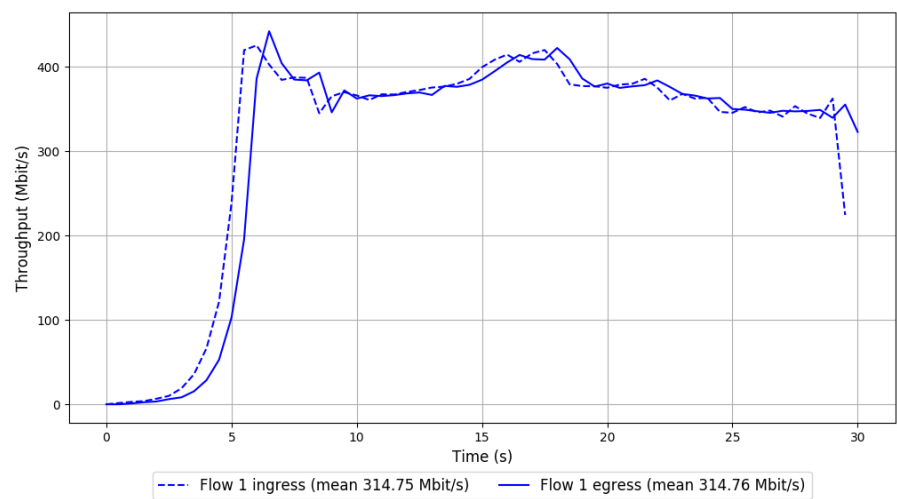
-- Flow 1:

Average throughput: 314.76 Mbit/s

95th percentile per-packet one-way delay: 135.318 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

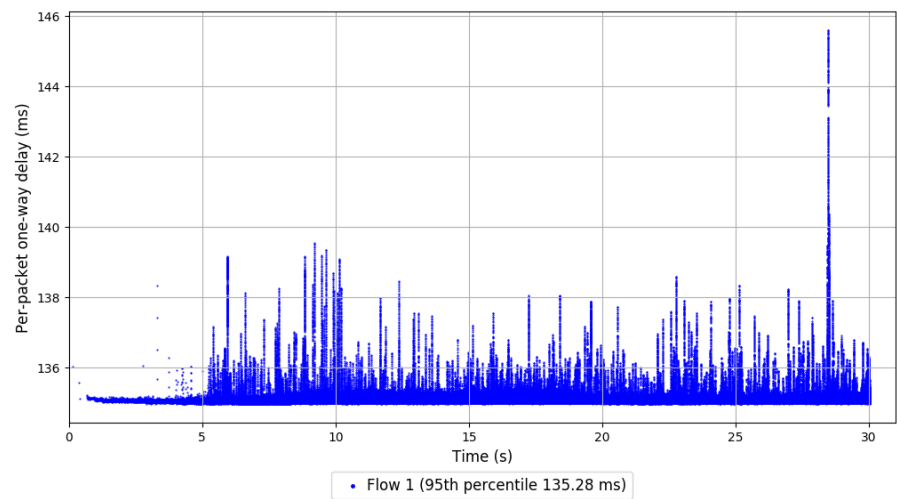
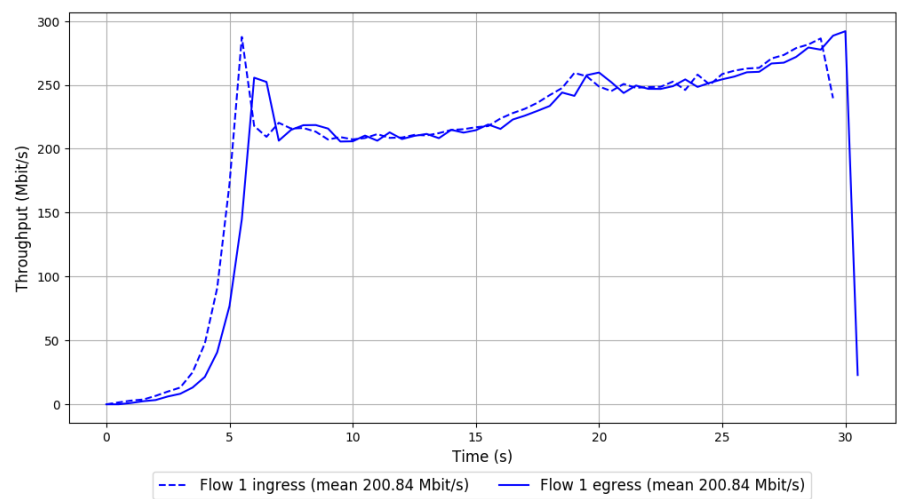


Run 2: Statistics of PCC-Vivace

Start at: 2020-02-18 10:40:33
End at: 2020-02-18 10:41:03
Local clock offset: -0.082 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2020-02-18 15:04:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 200.84 Mbit/s
95th percentile per-packet one-way delay: 135.278 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 200.84 Mbit/s
95th percentile per-packet one-way delay: 135.278 ms
Loss rate: 0.01%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2020-02-18 11:16:33

End at: 2020-02-18 11:17:03

Local clock offset: 0.275 ms

Remote clock offset: 0.229 ms

Below is generated by plot.py at 2020-02-18 15:04:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 257.20 Mbit/s

95th percentile per-packet one-way delay: 135.037 ms

Loss rate: 0.00%

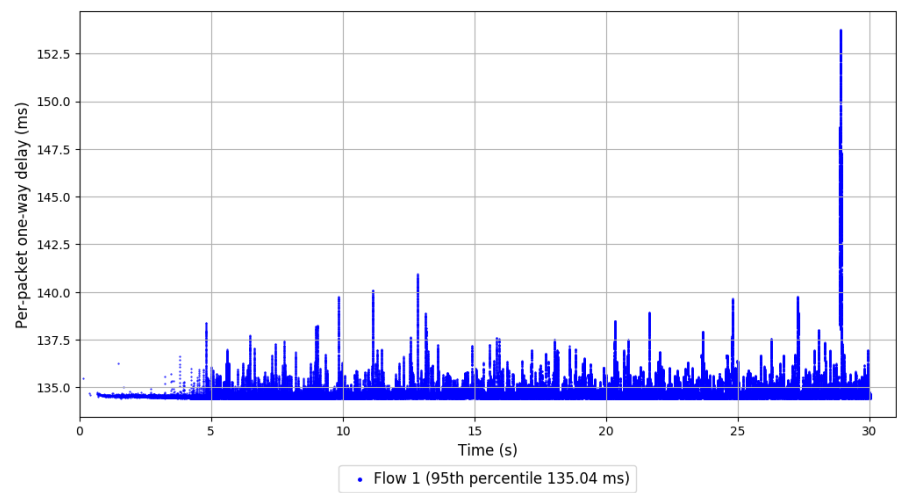
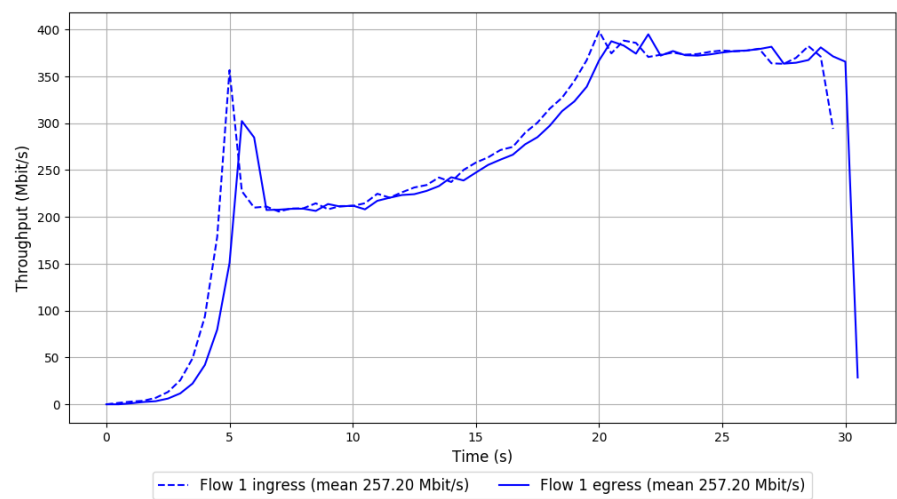
-- Flow 1:

Average throughput: 257.20 Mbit/s

95th percentile per-packet one-way delay: 135.037 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

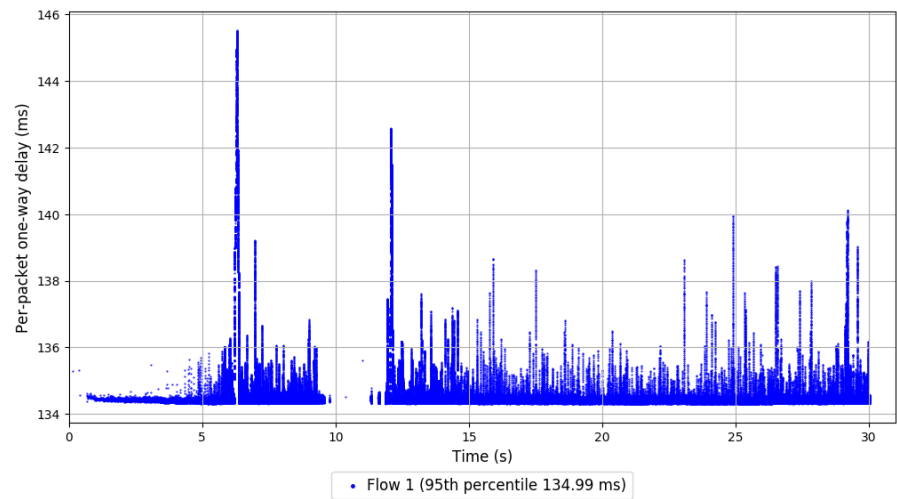
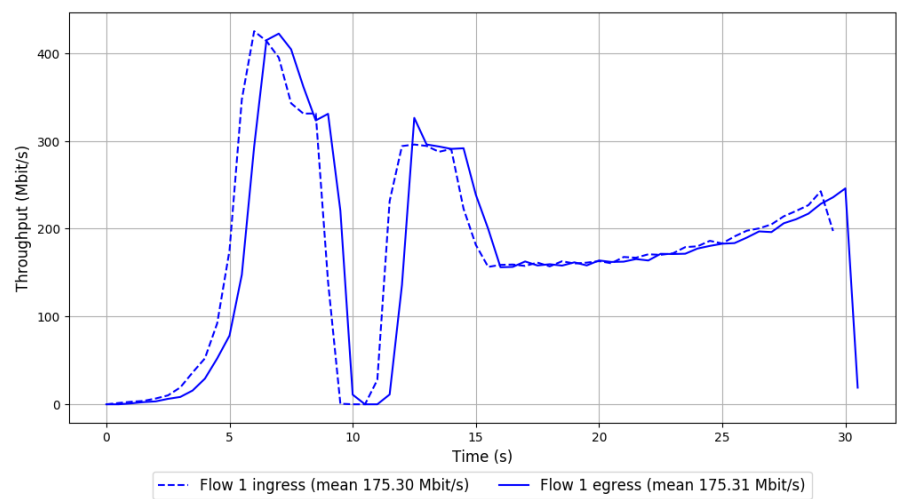


Run 4: Statistics of PCC-Vivace

Start at: 2020-02-18 11:51:48
End at: 2020-02-18 11:52:18
Local clock offset: -0.07 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2020-02-18 15:04:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 175.31 Mbit/s
95th percentile per-packet one-way delay: 134.991 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 175.31 Mbit/s
95th percentile per-packet one-way delay: 134.991 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2020-02-18 12:27:25

End at: 2020-02-18 12:27:55

Local clock offset: -0.066 ms

Remote clock offset: 0.118 ms

Below is generated by plot.py at 2020-02-18 15:04:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 289.86 Mbit/s

95th percentile per-packet one-way delay: 135.178 ms

Loss rate: 0.00%

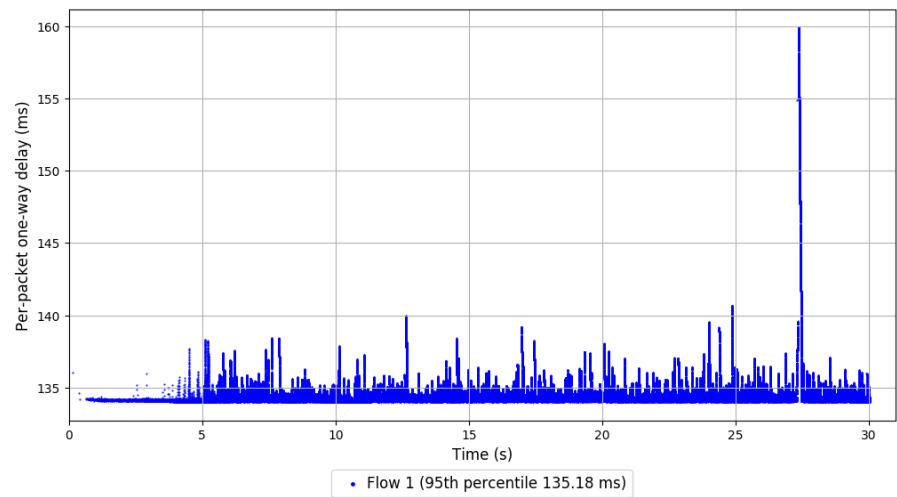
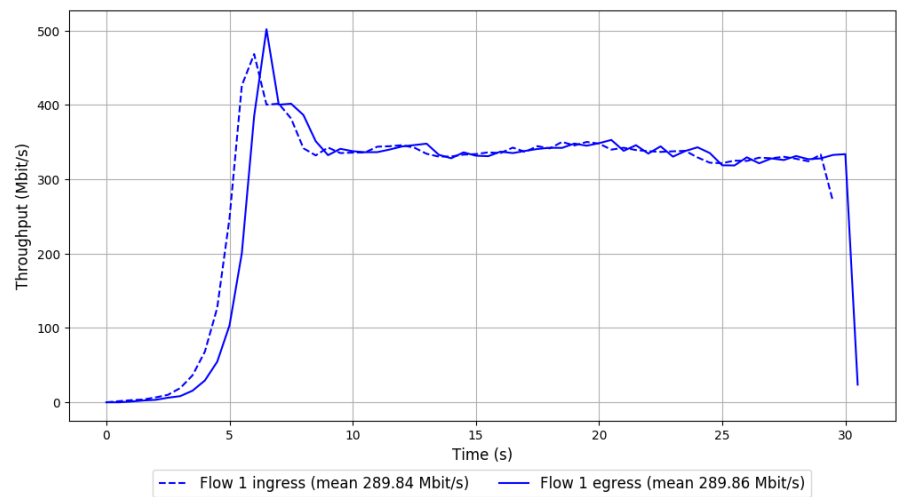
-- Flow 1:

Average throughput: 289.86 Mbit/s

95th percentile per-packet one-way delay: 135.178 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

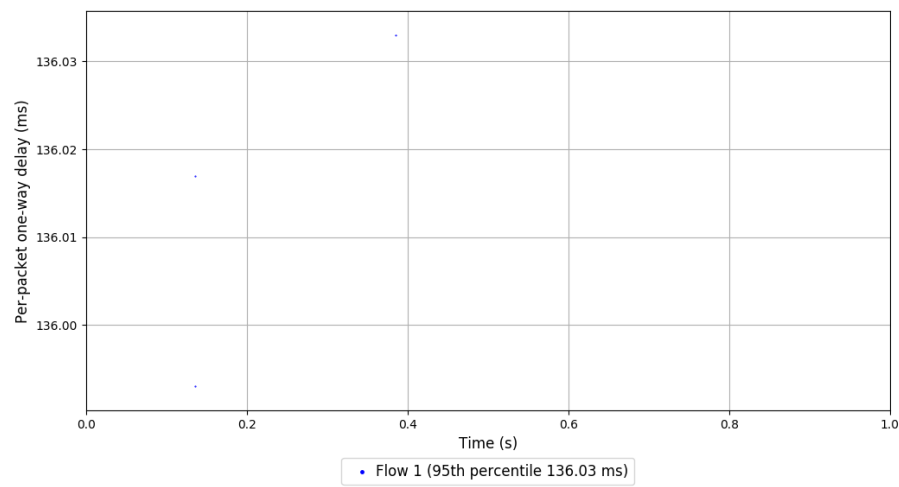
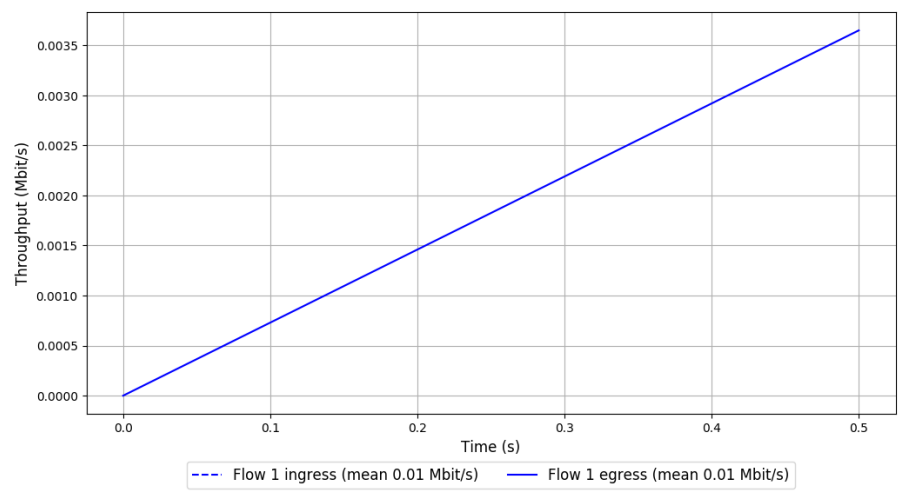
Start at: 2020-02-18 10:21:13

End at: 2020-02-18 10:21:43

Local clock offset: -0.105 ms

Remote clock offset: -0.008 ms

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

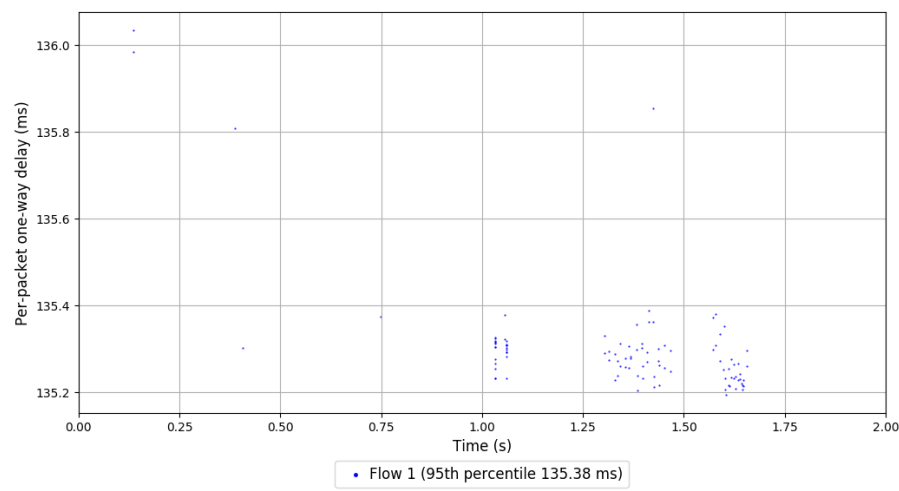
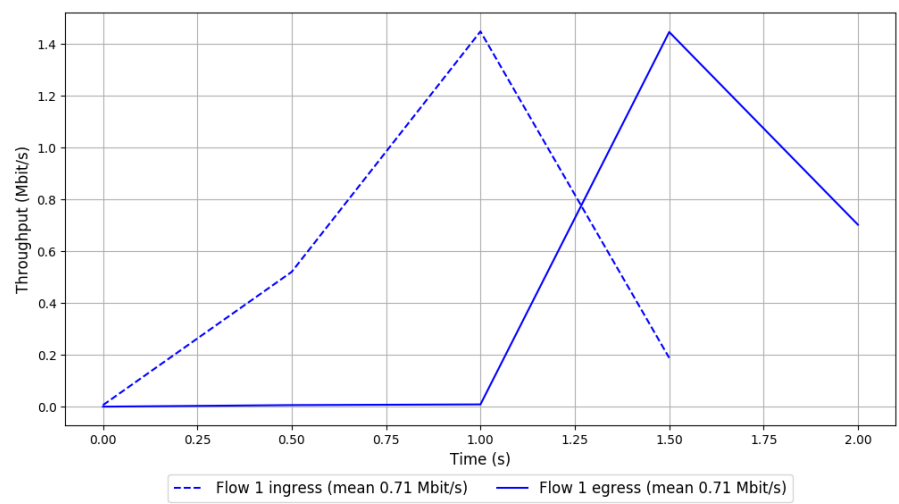
Start at: 2020-02-18 10:57:11

End at: 2020-02-18 10:57:41

Local clock offset: -0.059 ms

Remote clock offset: -0.151 ms

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

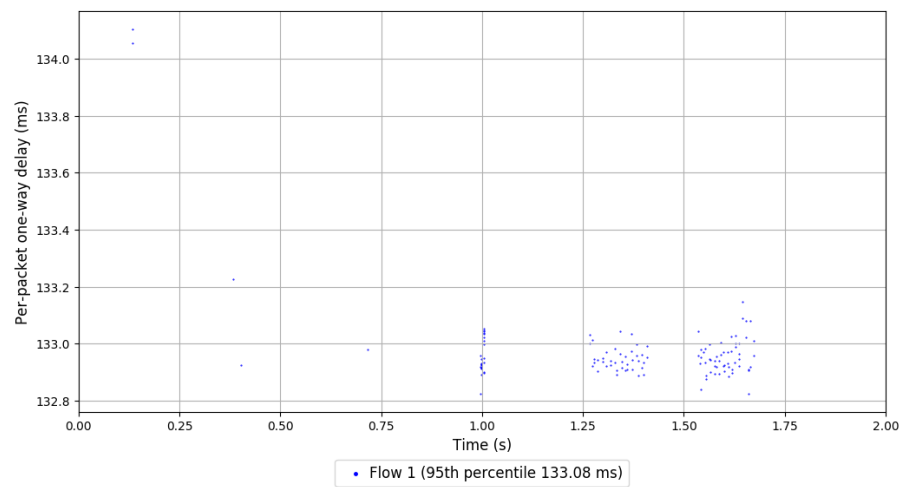
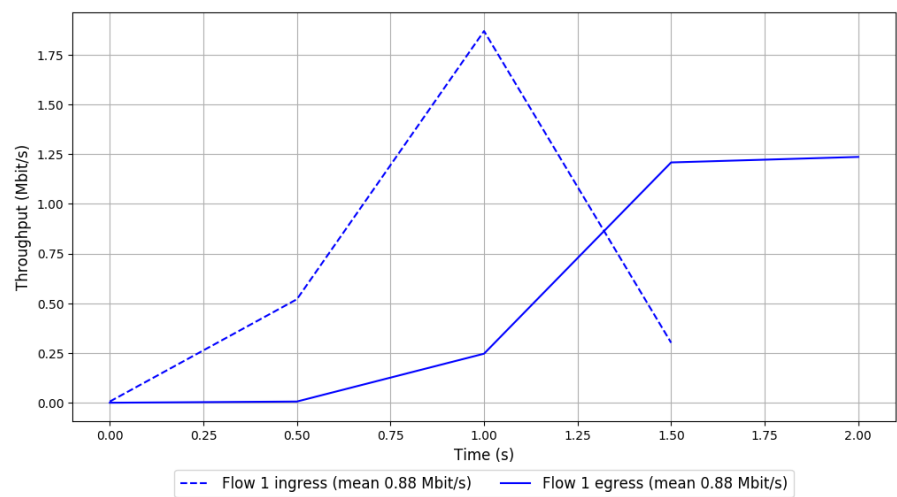
Start at: 2020-02-18 11:32:40

End at: 2020-02-18 11:33:10

Local clock offset: -0.121 ms

Remote clock offset: -0.102 ms

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

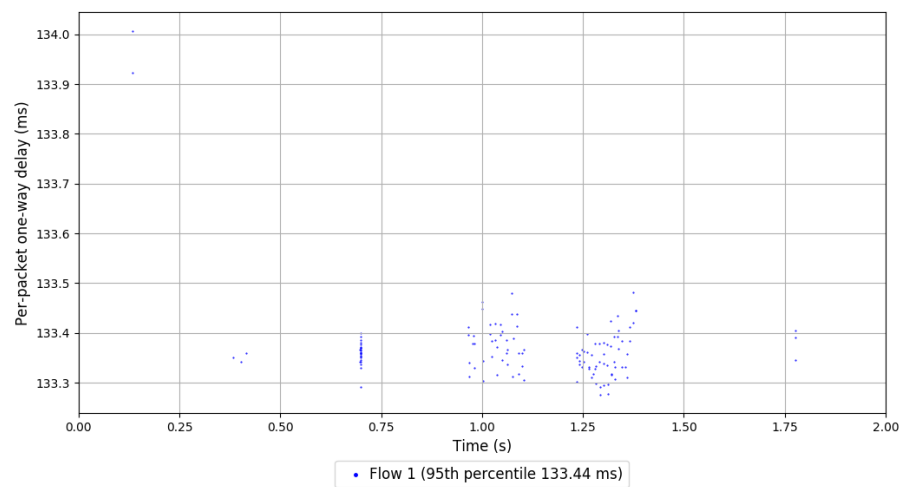
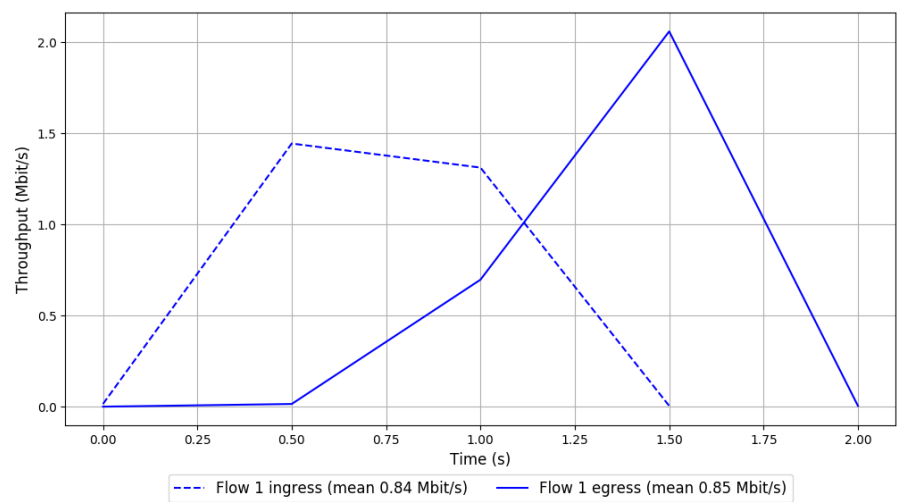
Start at: 2020-02-18 12:08:19

End at: 2020-02-18 12:08:49

Local clock offset: -0.112 ms

Remote clock offset: 0.083 ms

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2020-02-18 12:43:53

End at: 2020-02-18 12:44:23

Local clock offset: 0.276 ms

Remote clock offset: 0.119 ms

Run 5: Report of WebRTC media — Data Link

