

Pantheon Report

Generated at 2019-09-18 15:14:08 (UTC).

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

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:

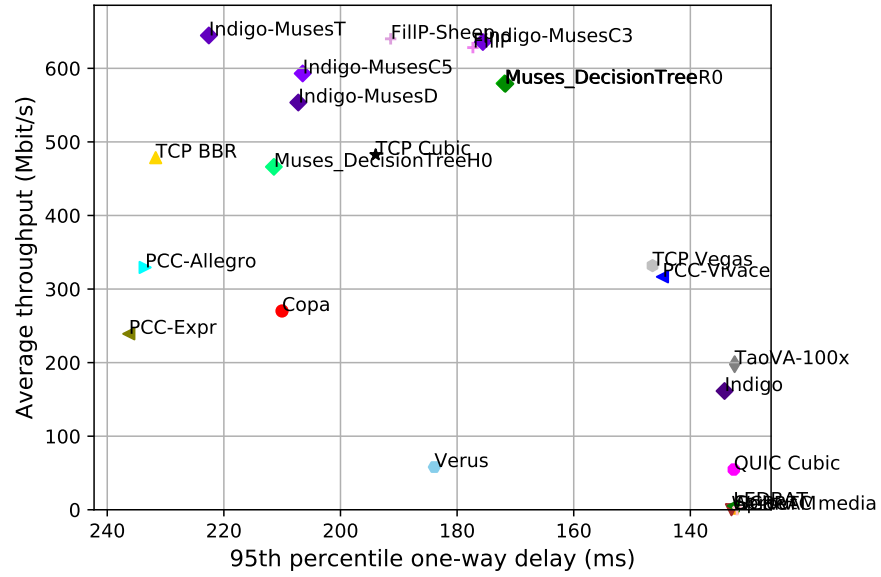
```
Linux 4.15.0-1040-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

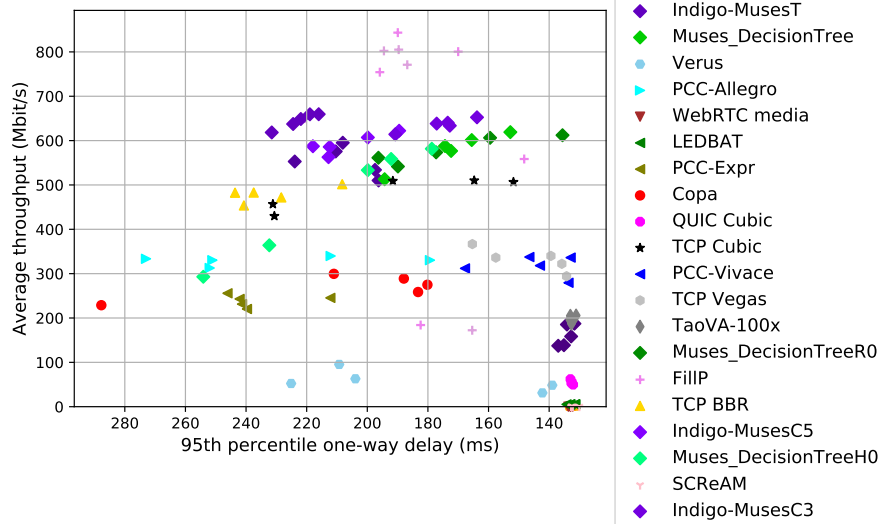
```
branch: muses @ de42328552b3776a75a932a94dfafd722537b0ec
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
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 London to GCE Sydney, 5 runs of 30s each per scheme
(mean of all runs by scheme)



test from GCE London to GCE Sydney, 5 runs of 30s each per scheme



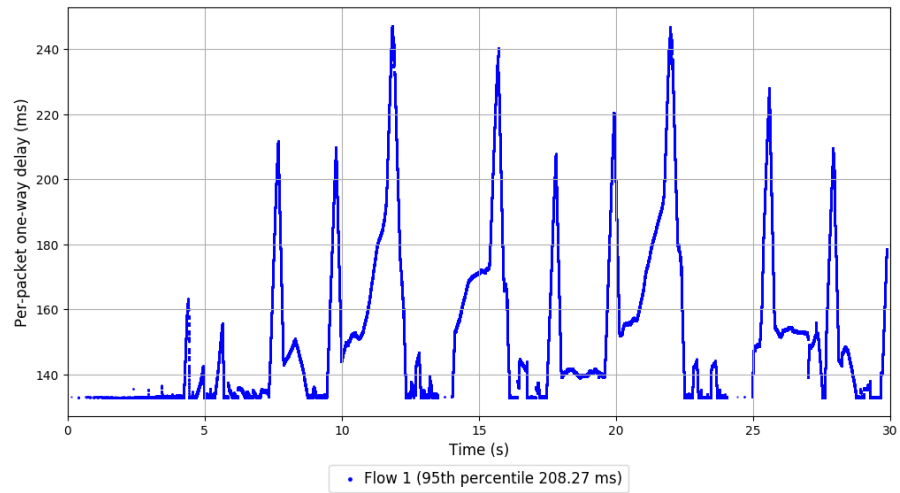
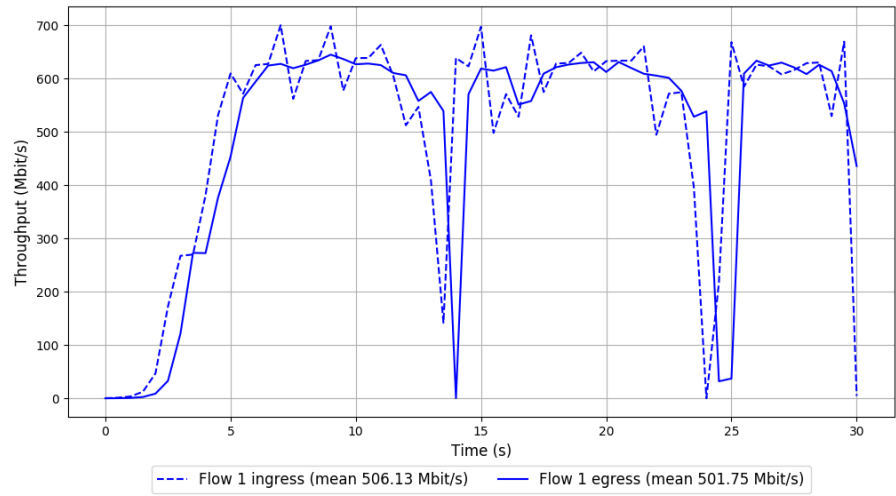
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	478.58	231.69	2.35
Copa	5	270.18	210.03	1.27
TCP Cubic	5	482.44	193.97	0.98
FillP	5	628.20	177.29	1.64
FillP-Sheep	5	640.10	191.40	2.28
Indigo	5	161.42	134.14	0.93
Indigo-MusesC3	5	635.79	175.58	1.05
Indigo-MusesC5	5	593.01	206.49	1.47
Indigo-MusesD	5	553.54	207.24	1.59
Indigo-MusesT	5	644.67	222.58	2.08
LEDBAT	5	5.33	132.64	1.77
Muses_DecisionTree	5	579.56	171.87	1.19
Muses_DecisionTreeH0	5	466.09	211.42	5.15
Muses_DecisionTreeR0	5	578.97	171.72	1.35
PCC-Allegro	5	329.36	233.50	3.11
PCC-Expr	5	239.15	236.30	5.58
QUIC Cubic	5	54.69	132.55	1.31
SCReAM	5	0.14	131.99	0.85
Sprout	5	0.72	132.46	0.83
TaoVA-100x	5	197.86	132.40	0.92
TCP Vegas	5	331.84	146.49	0.99
Verus	5	58.05	183.90	1.17
PCC-Vivace	5	316.62	144.78	1.08
WebRTC media	4	0.05	132.95	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-09-18 10:37:50
End at: 2019-09-18 10:38:20
Local clock offset: -0.228 ms
Remote clock offset: -0.164 ms

Below is generated by plot.py at 2019-09-18 13:38:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 501.75 Mbit/s
95th percentile per-packet one-way delay: 208.271 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 501.75 Mbit/s
95th percentile per-packet one-way delay: 208.271 ms
Loss rate: 1.74%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-09-18 11:14:30

End at: 2019-09-18 11:15:00

Local clock offset: 0.307 ms

Remote clock offset: -0.167 ms

Below is generated by plot.py at 2019-09-18 13:38:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 482.90 Mbit/s

95th percentile per-packet one-way delay: 237.479 ms

Loss rate: 2.47%

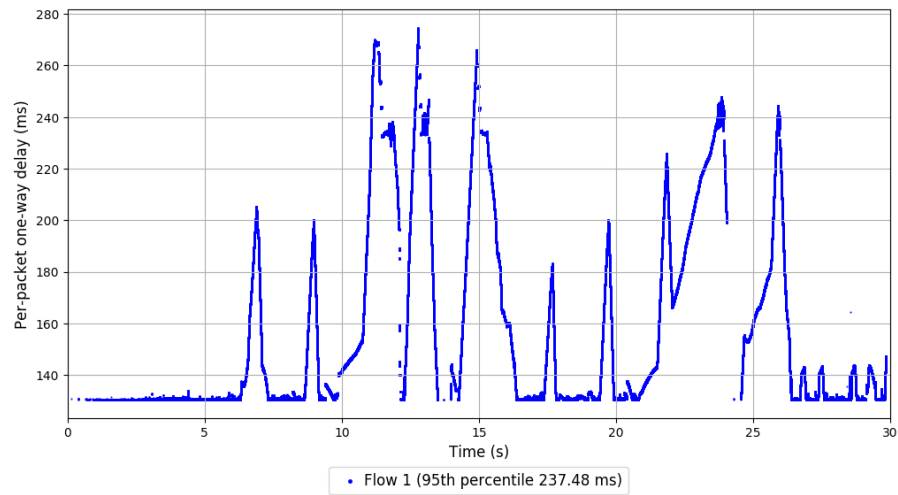
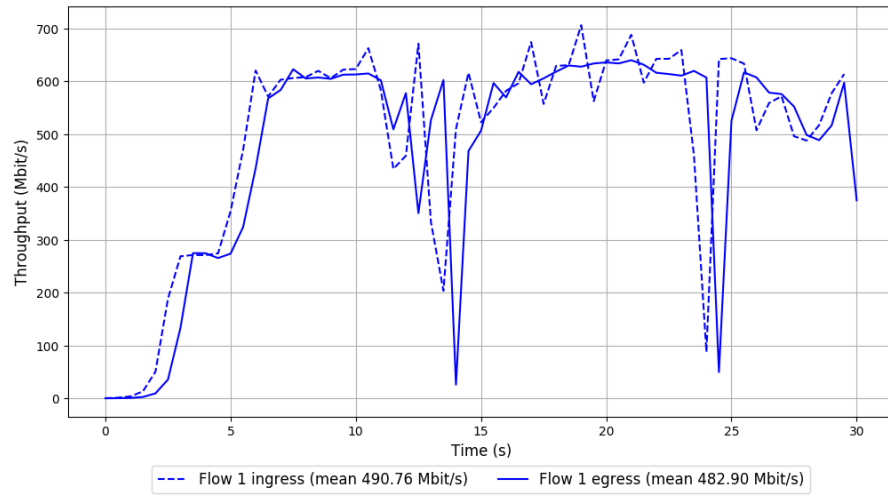
-- Flow 1:

Average throughput: 482.90 Mbit/s

95th percentile per-packet one-way delay: 237.479 ms

Loss rate: 2.47%

Run 2: Report of TCP BBR — Data Link

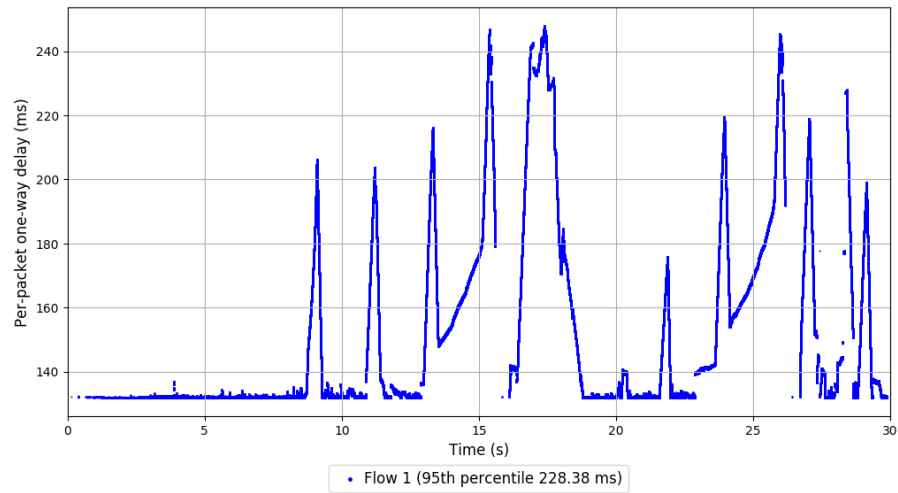
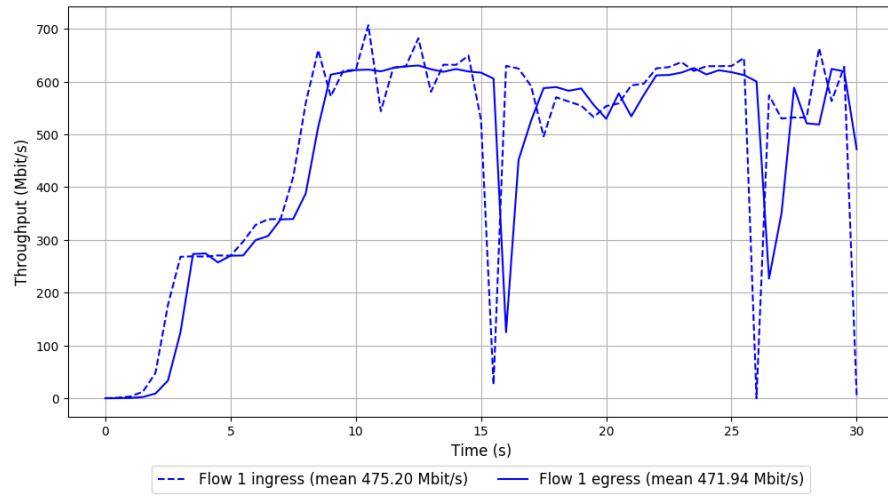


Run 3: Statistics of TCP BBR

Start at: 2019-09-18 11:51:29
End at: 2019-09-18 11:51:59
Local clock offset: -0.11 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2019-09-18 13:38:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 471.94 Mbit/s
95th percentile per-packet one-way delay: 228.377 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 471.94 Mbit/s
95th percentile per-packet one-way delay: 228.377 ms
Loss rate: 1.56%

Run 3: Report of TCP BBR — Data Link

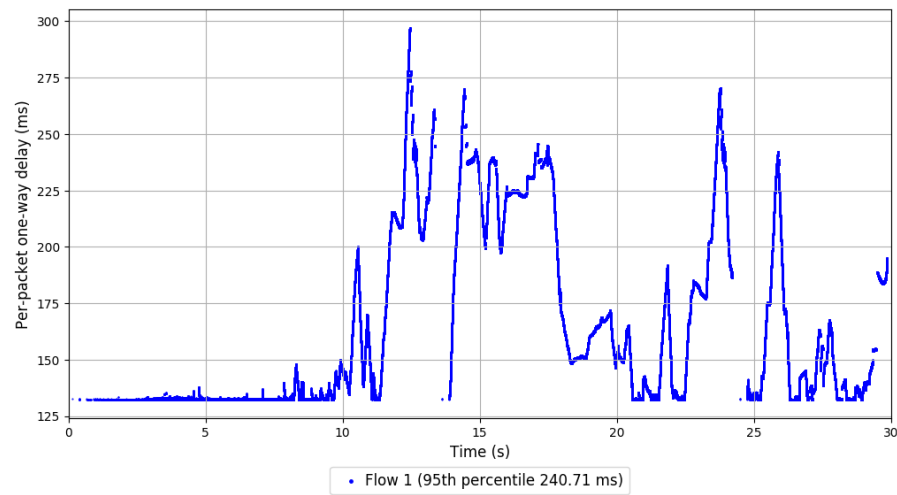
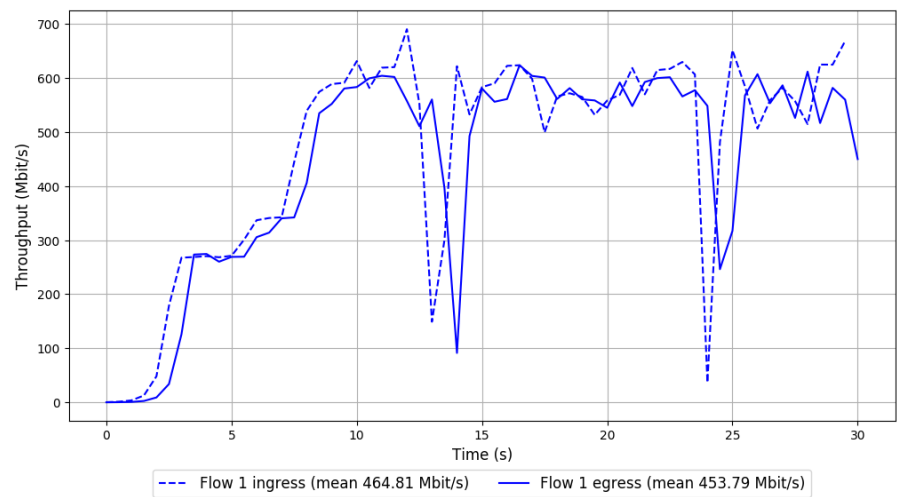


Run 4: Statistics of TCP BBR

Start at: 2019-09-18 12:28:05
End at: 2019-09-18 12:28:35
Local clock offset: -0.081 ms
Remote clock offset: -0.226 ms

Below is generated by plot.py at 2019-09-18 13:38:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 453.79 Mbit/s
95th percentile per-packet one-way delay: 240.707 ms
Loss rate: 3.23%
-- Flow 1:
Average throughput: 453.79 Mbit/s
95th percentile per-packet one-way delay: 240.707 ms
Loss rate: 3.23%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-09-18 13:04:21

End at: 2019-09-18 13:04:51

Local clock offset: -0.271 ms

Remote clock offset: -0.16 ms

Below is generated by plot.py at 2019-09-18 13:38:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 482.53 Mbit/s

95th percentile per-packet one-way delay: 243.631 ms

Loss rate: 2.73%

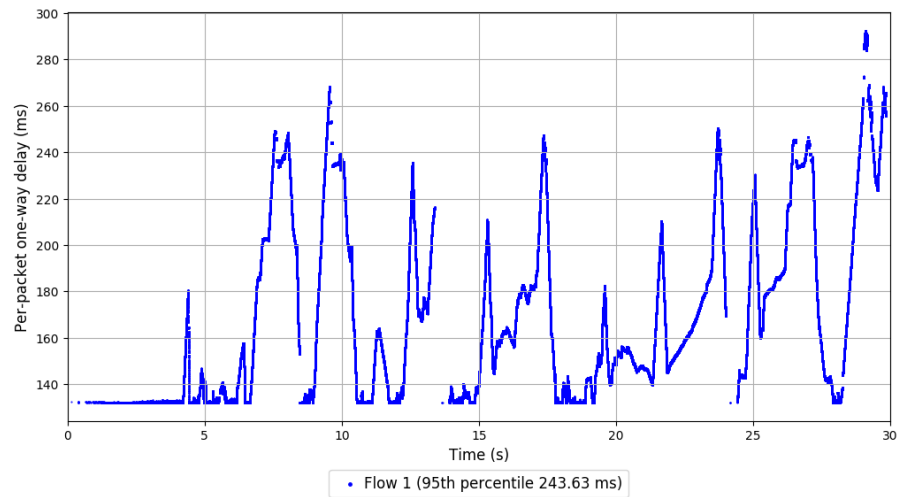
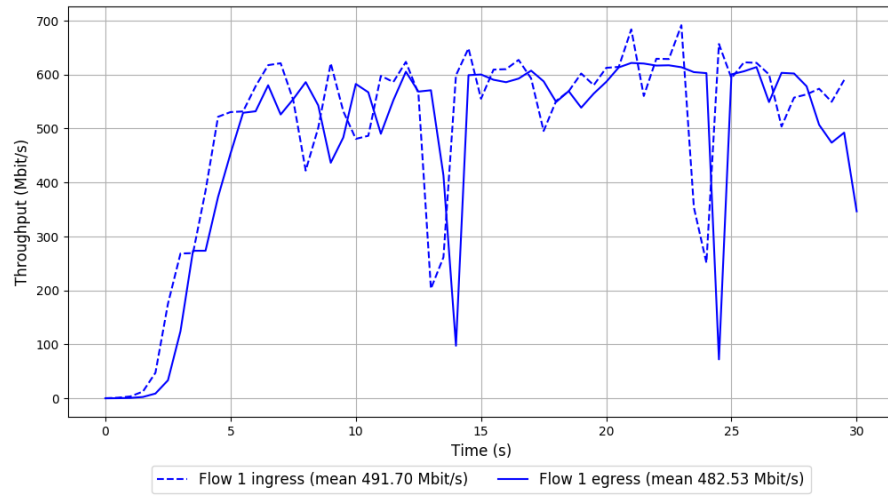
-- Flow 1:

Average throughput: 482.53 Mbit/s

95th percentile per-packet one-way delay: 243.631 ms

Loss rate: 2.73%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2019-09-18 10:33:29

End at: 2019-09-18 10:33:59

Local clock offset: 0.101 ms

Remote clock offset: 0.142 ms

Below is generated by plot.py at 2019-09-18 13:38:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 258.59 Mbit/s

95th percentile per-packet one-way delay: 183.251 ms

Loss rate: 1.15%

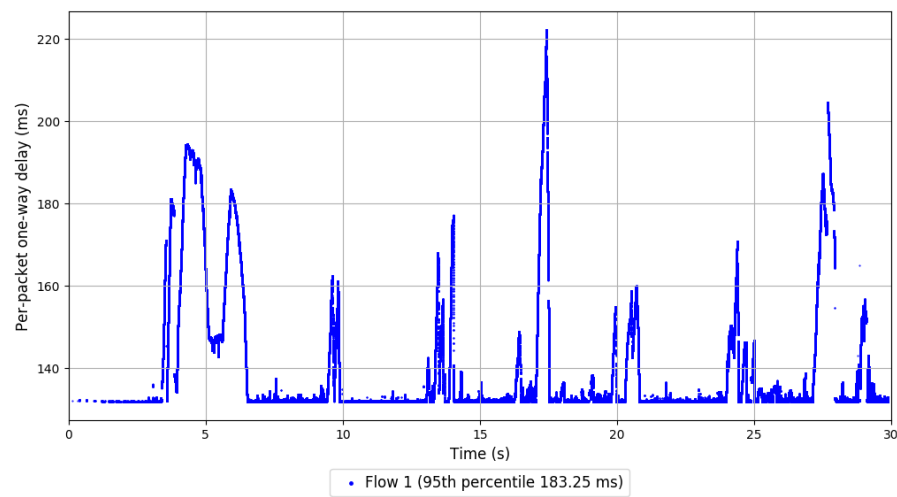
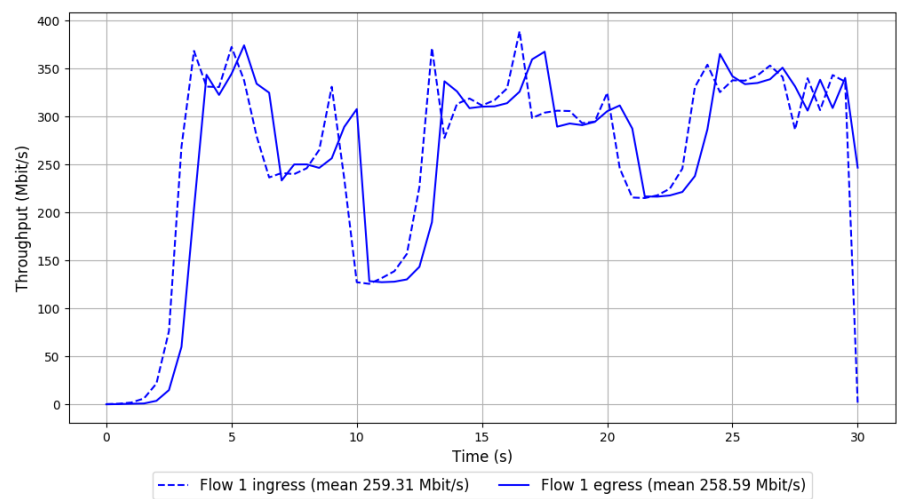
-- Flow 1:

Average throughput: 258.59 Mbit/s

95th percentile per-packet one-way delay: 183.251 ms

Loss rate: 1.15%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2019-09-18 11:10:05

End at: 2019-09-18 11:10:35

Local clock offset: -0.058 ms

Remote clock offset: -0.19 ms

Below is generated by plot.py at 2019-09-18 13:38:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 299.57 Mbit/s

95th percentile per-packet one-way delay: 211.034 ms

Loss rate: 1.05%

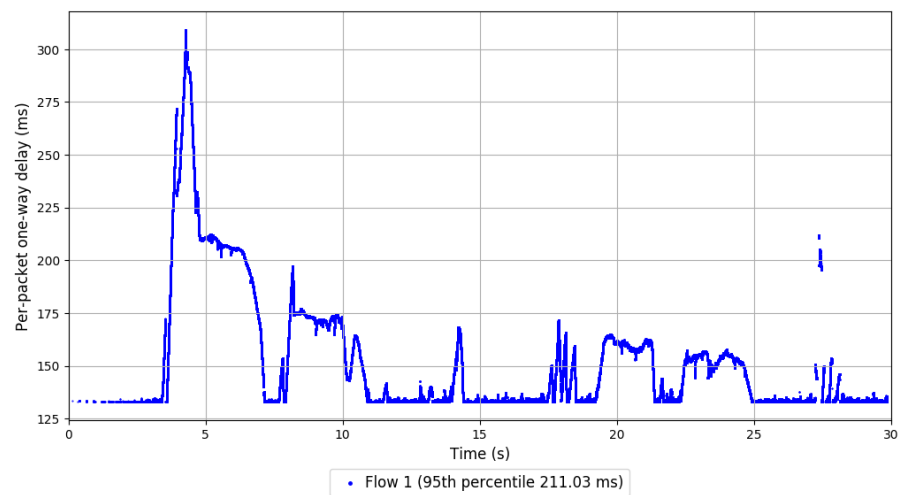
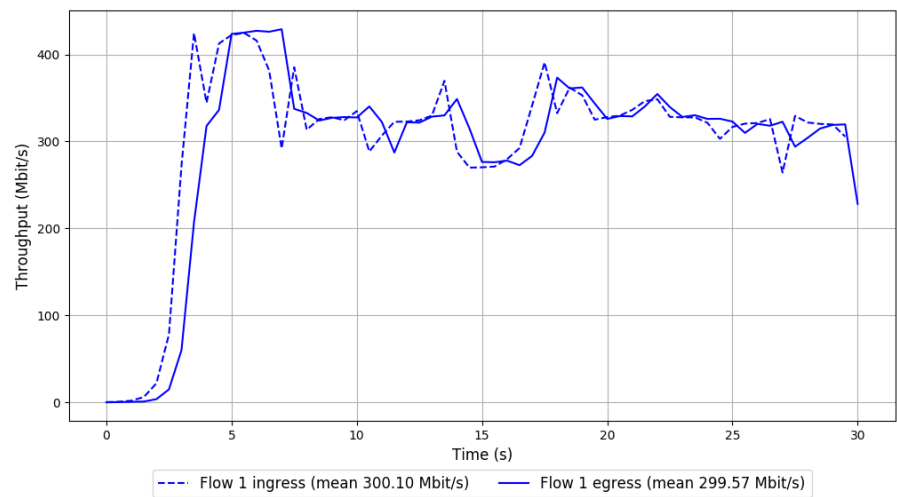
-- Flow 1:

Average throughput: 299.57 Mbit/s

95th percentile per-packet one-way delay: 211.034 ms

Loss rate: 1.05%

Run 2: Report of Copa — Data Link

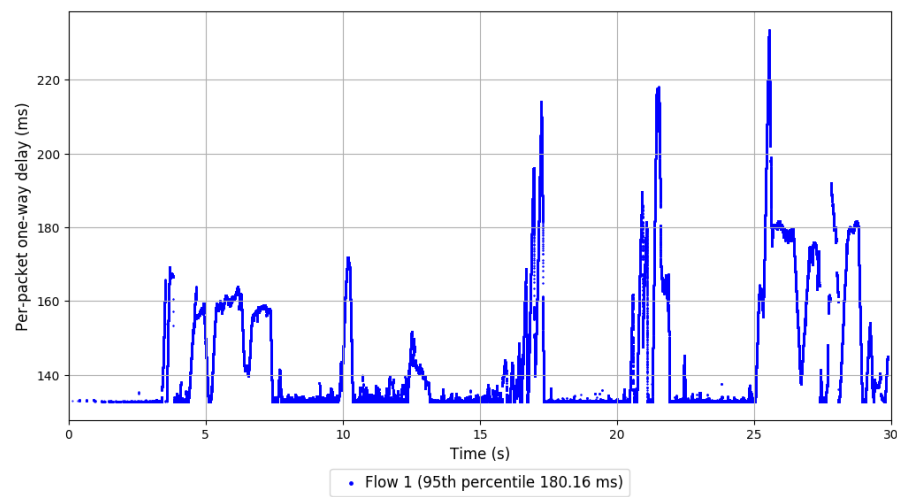
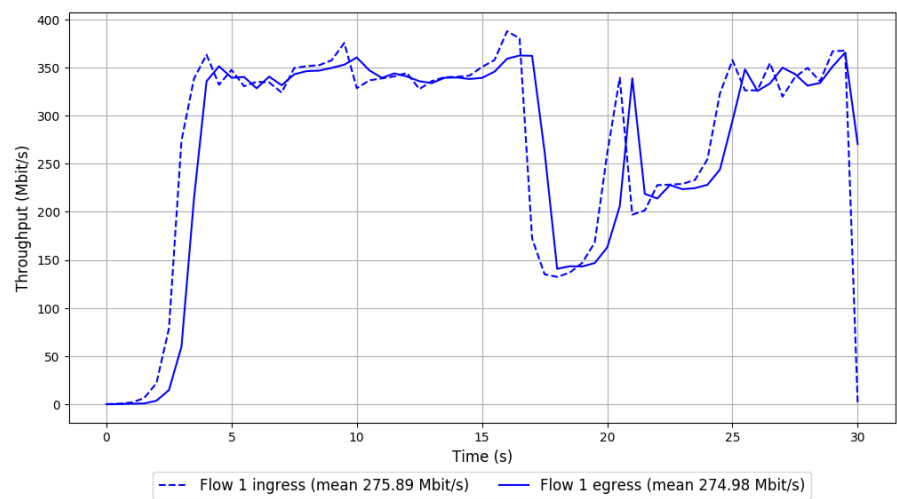


Run 3: Statistics of Copa

Start at: 2019-09-18 11:47:07
End at: 2019-09-18 11:47:37
Local clock offset: 0.077 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2019-09-18 13:38:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 274.98 Mbit/s
95th percentile per-packet one-way delay: 180.163 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 274.98 Mbit/s
95th percentile per-packet one-way delay: 180.163 ms
Loss rate: 1.21%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2019-09-18 12:23:46

End at: 2019-09-18 12:24:16

Local clock offset: 0.38 ms

Remote clock offset: 0.072 ms

Below is generated by plot.py at 2019-09-18 13:45:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 228.85 Mbit/s

95th percentile per-packet one-way delay: 287.748 ms

Loss rate: 1.94%

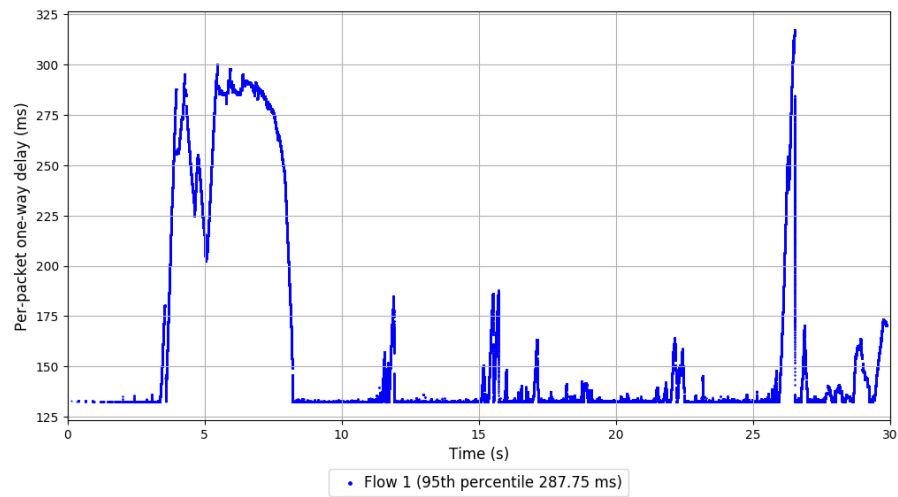
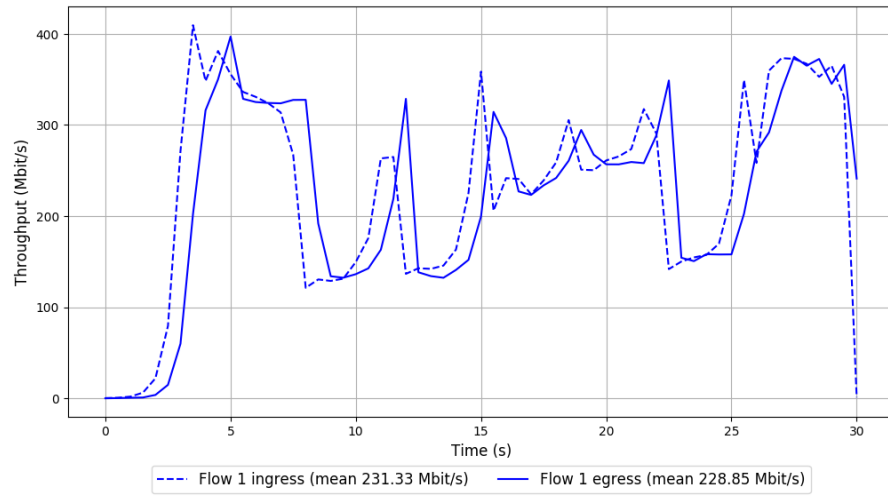
-- Flow 1:

Average throughput: 228.85 Mbit/s

95th percentile per-packet one-way delay: 287.748 ms

Loss rate: 1.94%

Run 4: Report of Copa — Data Link

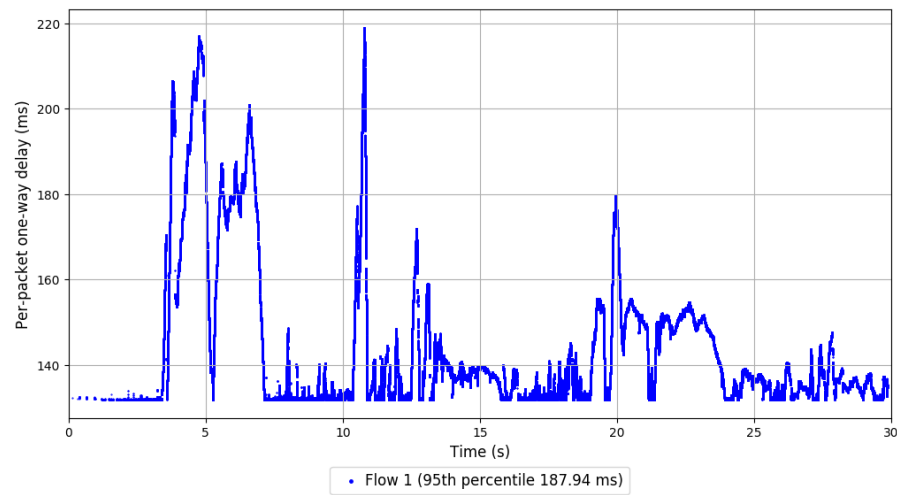
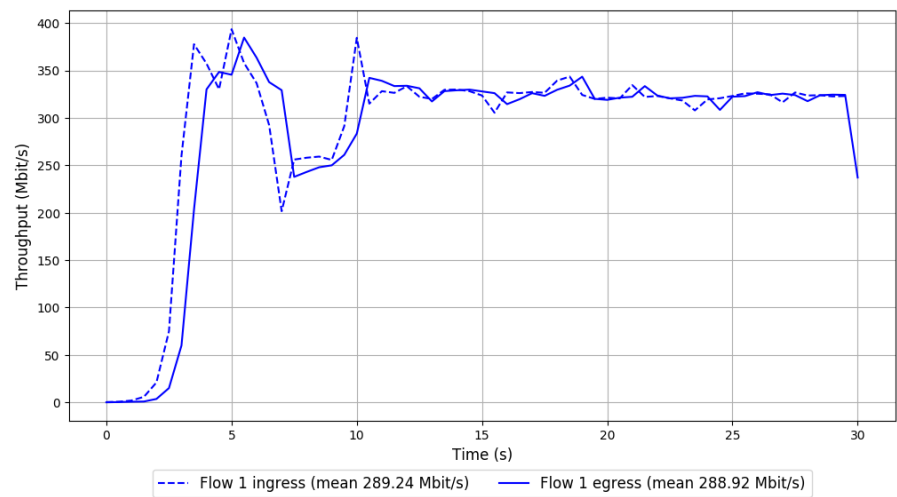


Run 5: Statistics of Copa

Start at: 2019-09-18 12:59:56
End at: 2019-09-18 13:00:26
Local clock offset: -0.424 ms
Remote clock offset: -0.197 ms

Below is generated by plot.py at 2019-09-18 13:46:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 288.92 Mbit/s
95th percentile per-packet one-way delay: 187.941 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 288.92 Mbit/s
95th percentile per-packet one-way delay: 187.941 ms
Loss rate: 0.99%

Run 5: Report of Copa — Data Link

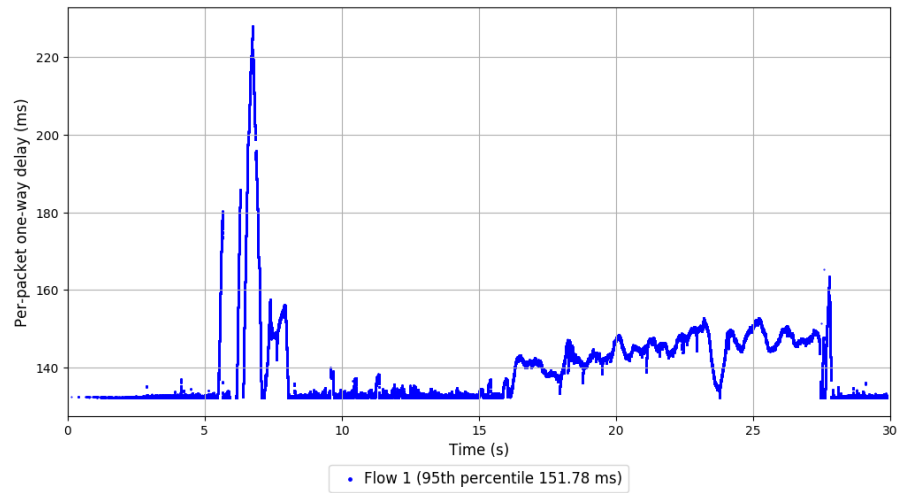
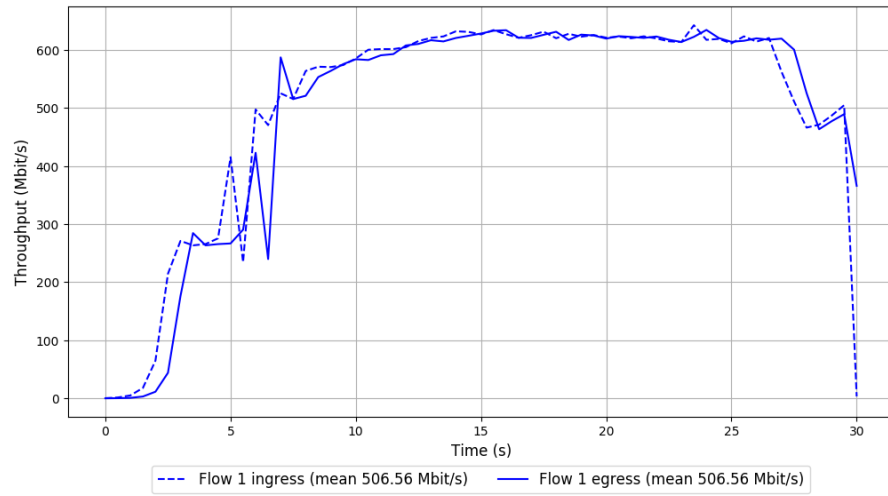


Run 1: Statistics of TCP Cubic

Start at: 2019-09-18 10:27:41
End at: 2019-09-18 10:28:11
Local clock offset: 0.158 ms
Remote clock offset: -0.187 ms

Below is generated by plot.py at 2019-09-18 13:46:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 506.56 Mbit/s
95th percentile per-packet one-way delay: 151.782 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 506.56 Mbit/s
95th percentile per-packet one-way delay: 151.782 ms
Loss rate: 0.88%

Run 1: Report of TCP Cubic — Data Link

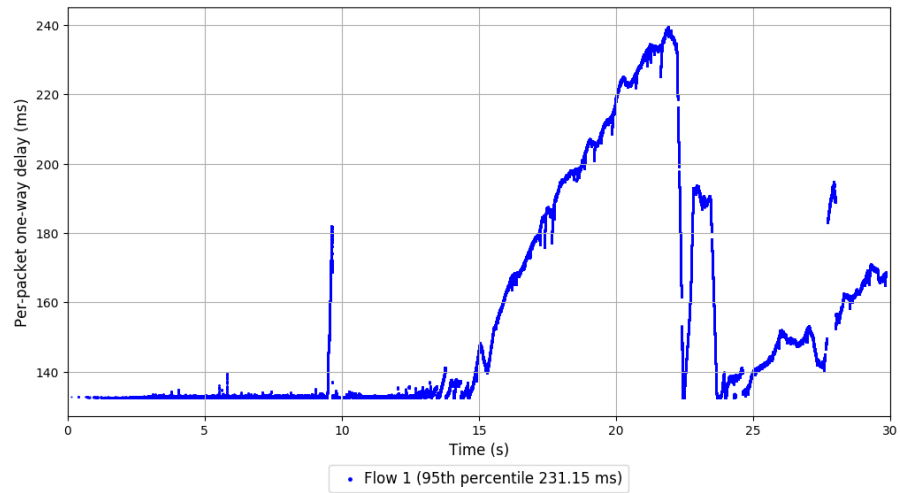
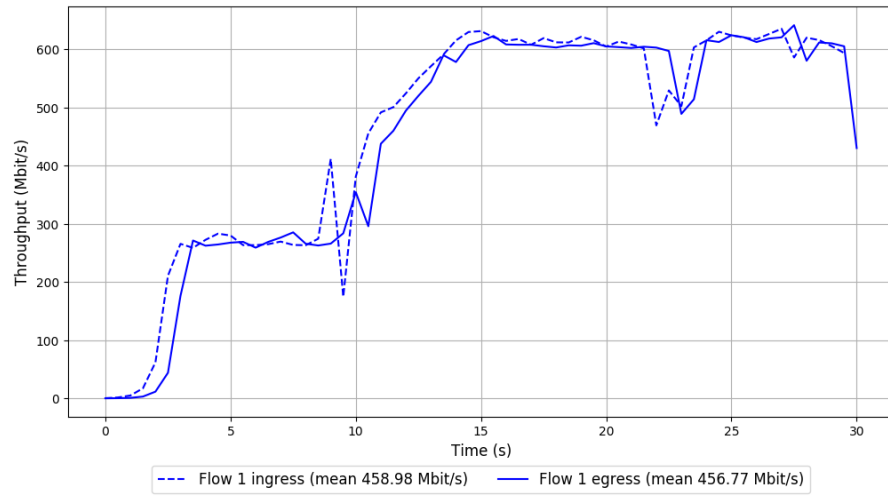


Run 2: Statistics of TCP Cubic

Start at: 2019-09-18 11:04:18
End at: 2019-09-18 11:04:48
Local clock offset: 0.195 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2019-09-18 13:46:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 456.77 Mbit/s
95th percentile per-packet one-way delay: 231.145 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 456.77 Mbit/s
95th percentile per-packet one-way delay: 231.145 ms
Loss rate: 1.36%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-09-18 11:41:18

End at: 2019-09-18 11:41:48

Local clock offset: -0.465 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2019-09-18 13:46:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 509.96 Mbit/s

95th percentile per-packet one-way delay: 164.715 ms

Loss rate: 0.56%

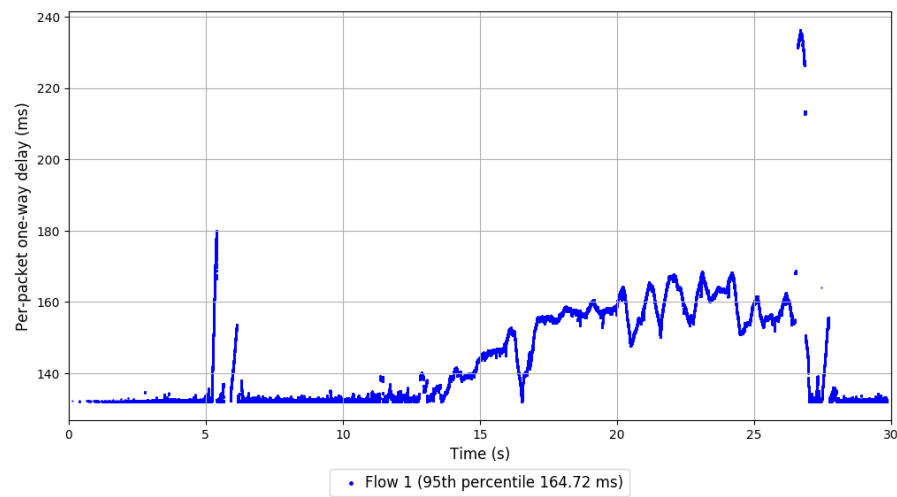
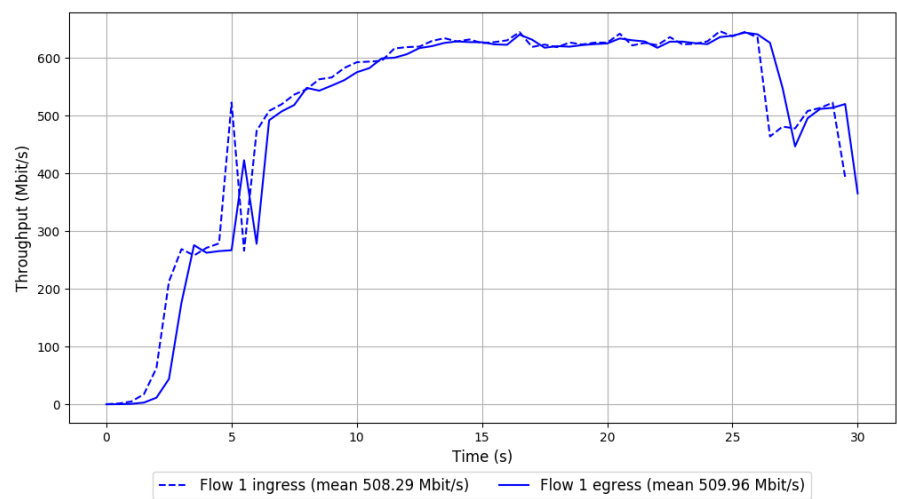
-- Flow 1:

Average throughput: 509.96 Mbit/s

95th percentile per-packet one-way delay: 164.715 ms

Loss rate: 0.56%

Run 3: Report of TCP Cubic — Data Link

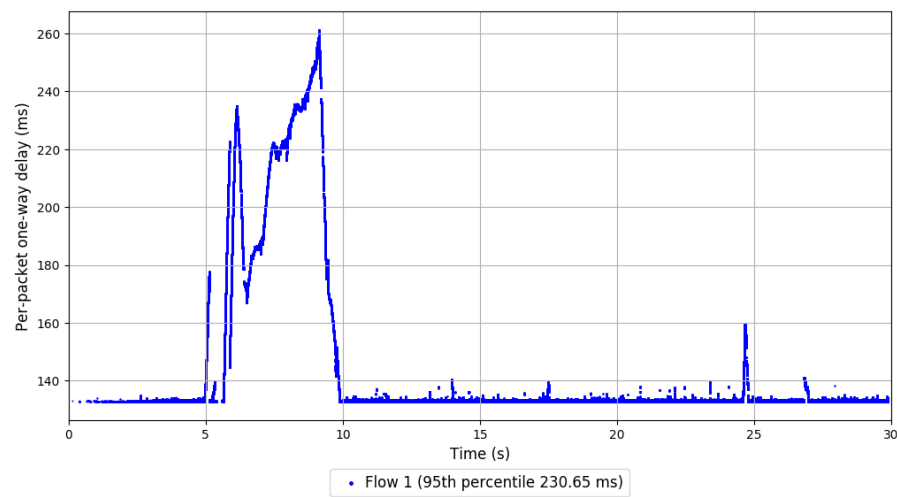
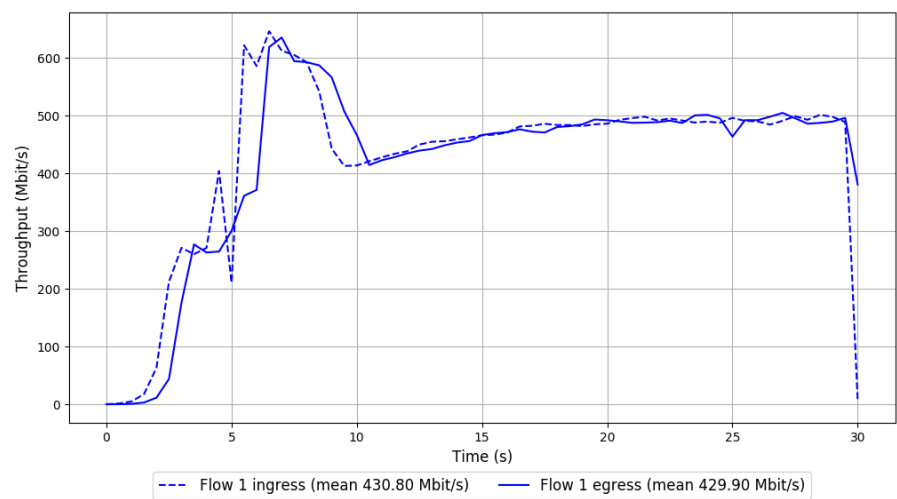


Run 4: Statistics of TCP Cubic

Start at: 2019-09-18 12:18:01
End at: 2019-09-18 12:18:31
Local clock offset: 0.334 ms
Remote clock offset: -0.195 ms

Below is generated by plot.py at 2019-09-18 13:46:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 429.90 Mbit/s
95th percentile per-packet one-way delay: 230.652 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 429.90 Mbit/s
95th percentile per-packet one-way delay: 230.652 ms
Loss rate: 1.09%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-09-18 12:54:09

End at: 2019-09-18 12:54:40

Local clock offset: -0.469 ms

Remote clock offset: -0.33 ms

Below is generated by plot.py at 2019-09-18 13:46:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 509.03 Mbit/s

95th percentile per-packet one-way delay: 191.569 ms

Loss rate: 0.99%

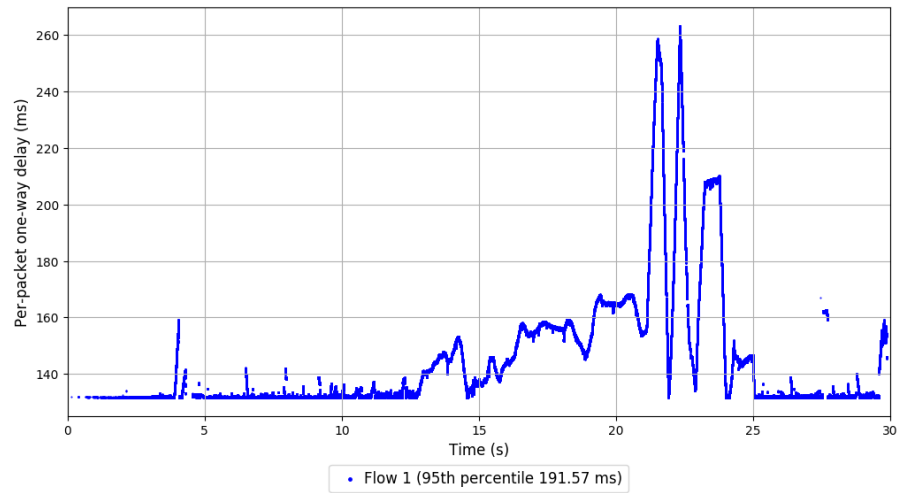
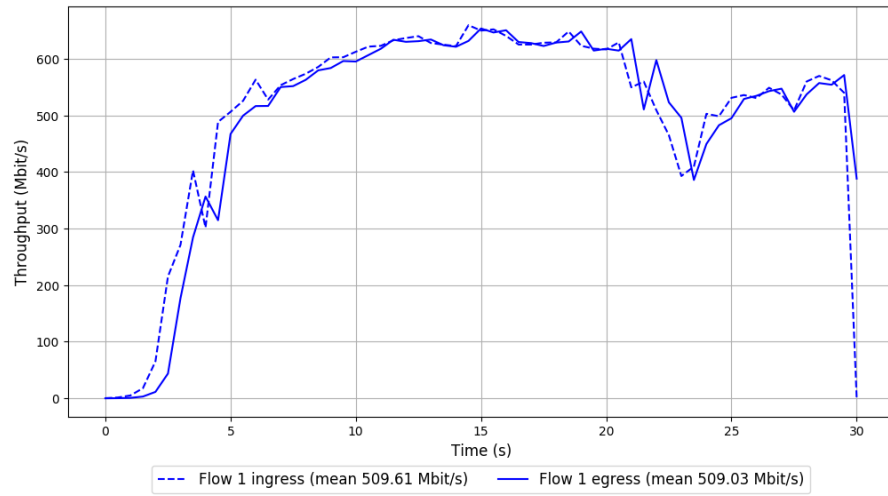
-- Flow 1:

Average throughput: 509.03 Mbit/s

95th percentile per-packet one-way delay: 191.569 ms

Loss rate: 0.99%

Run 5: Report of TCP Cubic — Data Link

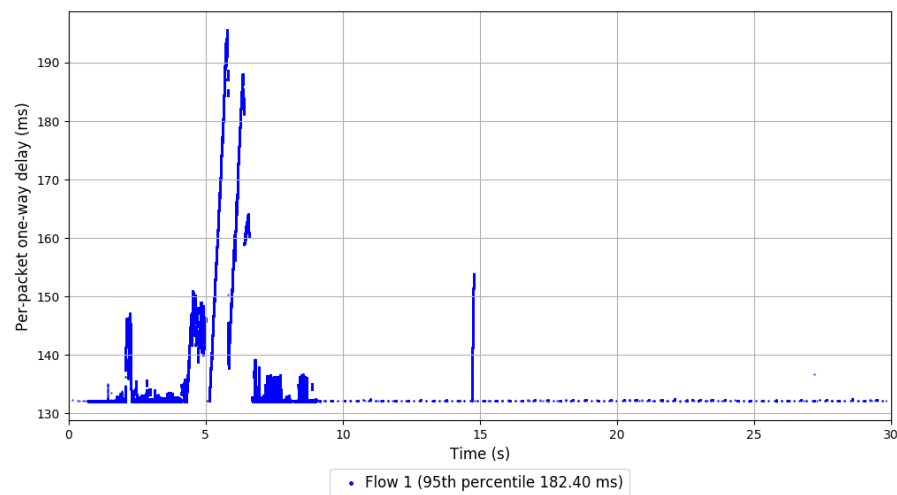
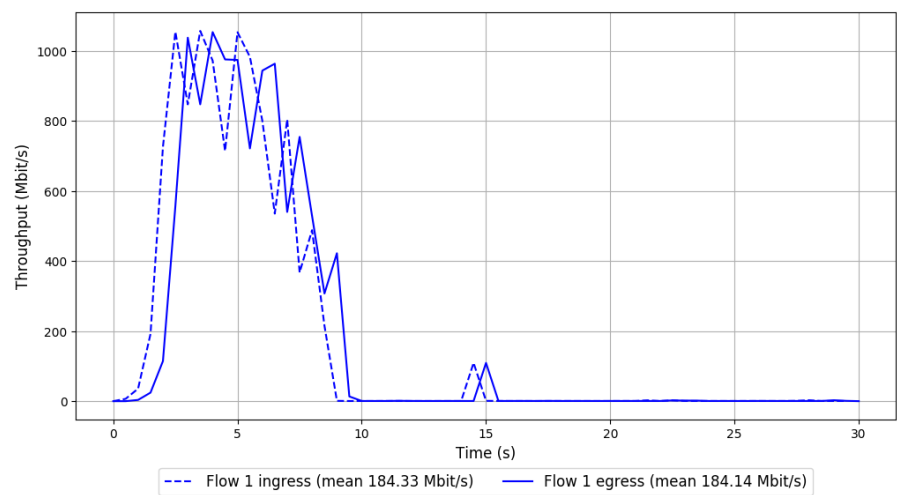


Run 1: Statistics of FillP

Start at: 2019-09-18 10:48:30
End at: 2019-09-18 10:49:00
Local clock offset: -0.383 ms
Remote clock offset: -0.166 ms

Below is generated by plot.py at 2019-09-18 13:46:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 184.14 Mbit/s
95th percentile per-packet one-way delay: 182.403 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 184.14 Mbit/s
95th percentile per-packet one-way delay: 182.403 ms
Loss rate: 0.64%

Run 1: Report of FillP — Data Link

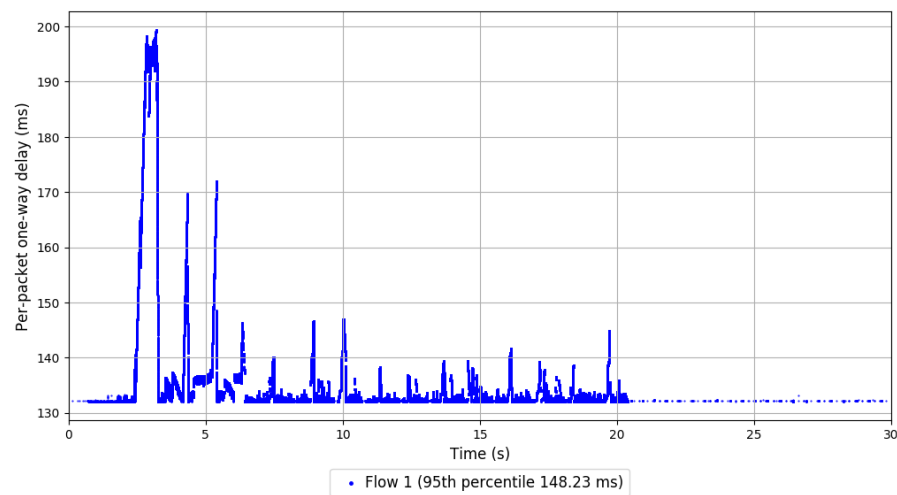
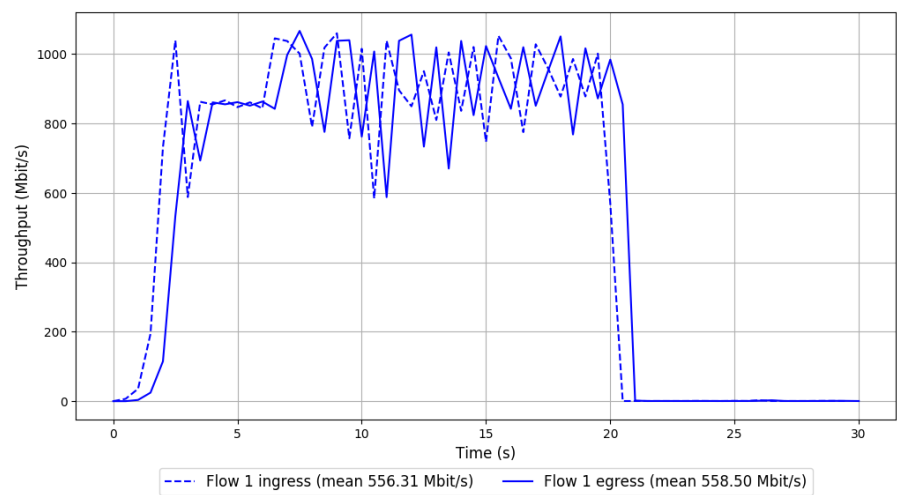


Run 2: Statistics of FillP

Start at: 2019-09-18 11:25:11
End at: 2019-09-18 11:25:41
Local clock offset: -0.08 ms
Remote clock offset: -0.234 ms

Below is generated by plot.py at 2019-09-18 13:52:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 558.50 Mbit/s
95th percentile per-packet one-way delay: 148.229 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 558.50 Mbit/s
95th percentile per-packet one-way delay: 148.229 ms
Loss rate: 0.39%

Run 2: Report of FillP — Data Link

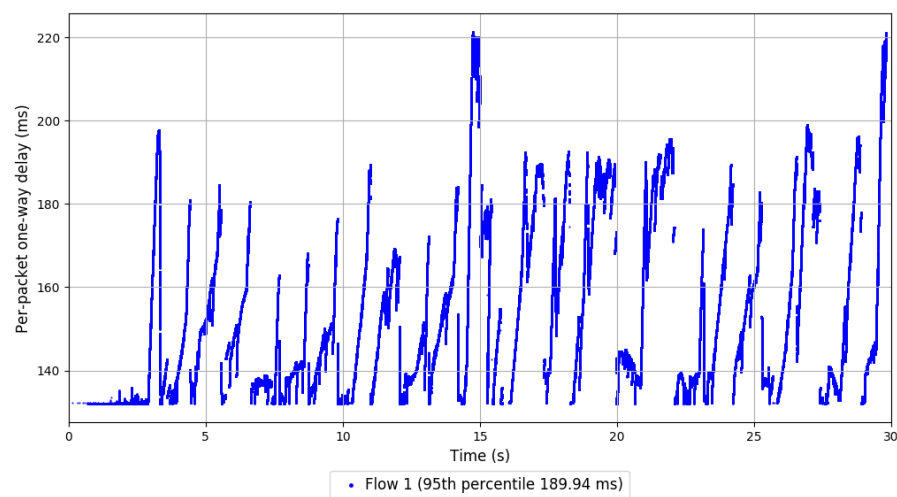
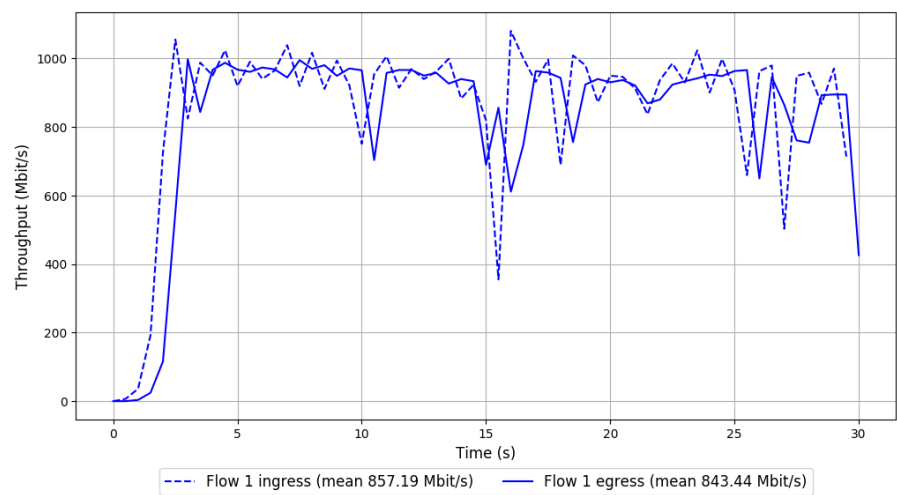


Run 3: Statistics of FillP

Start at: 2019-09-18 12:02:01
End at: 2019-09-18 12:02:31
Local clock offset: -0.373 ms
Remote clock offset: -0.207 ms

Below is generated by plot.py at 2019-09-18 14:02:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 843.44 Mbit/s
95th percentile per-packet one-way delay: 189.935 ms
Loss rate: 2.48%
-- Flow 1:
Average throughput: 843.44 Mbit/s
95th percentile per-packet one-way delay: 189.935 ms
Loss rate: 2.48%

Run 3: Report of FillP — Data Link

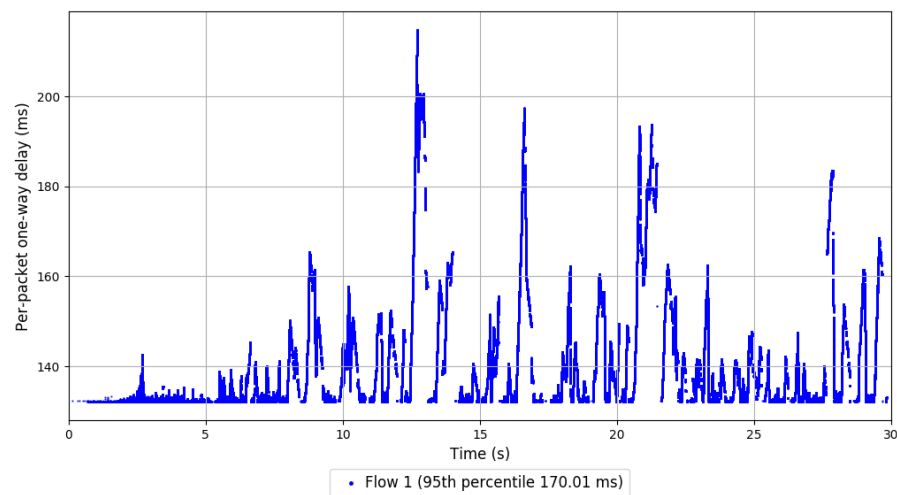
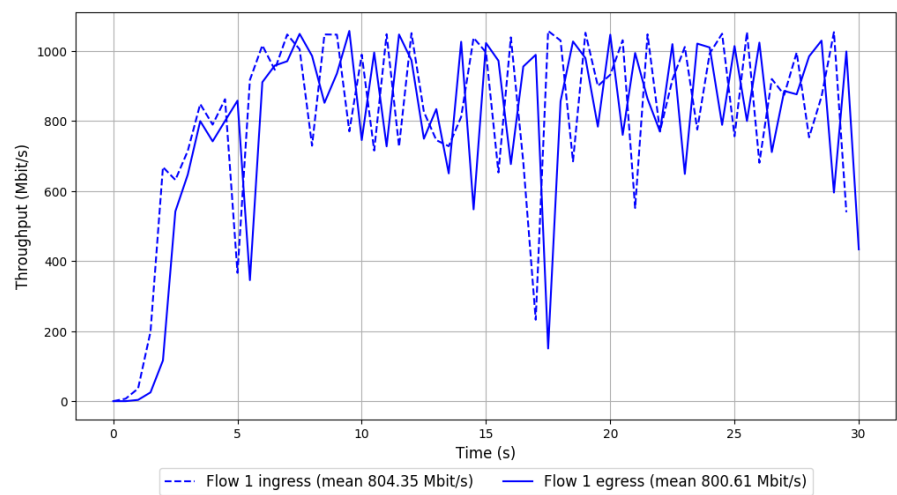


Run 4: Statistics of FillP

Start at: 2019-09-18 12:38:40
End at: 2019-09-18 12:39:10
Local clock offset: 0.206 ms
Remote clock offset: -0.222 ms

Below is generated by plot.py at 2019-09-18 14:02:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 800.61 Mbit/s
95th percentile per-packet one-way delay: 170.013 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 800.61 Mbit/s
95th percentile per-packet one-way delay: 170.013 ms
Loss rate: 1.34%

Run 4: Report of FillP — Data Link

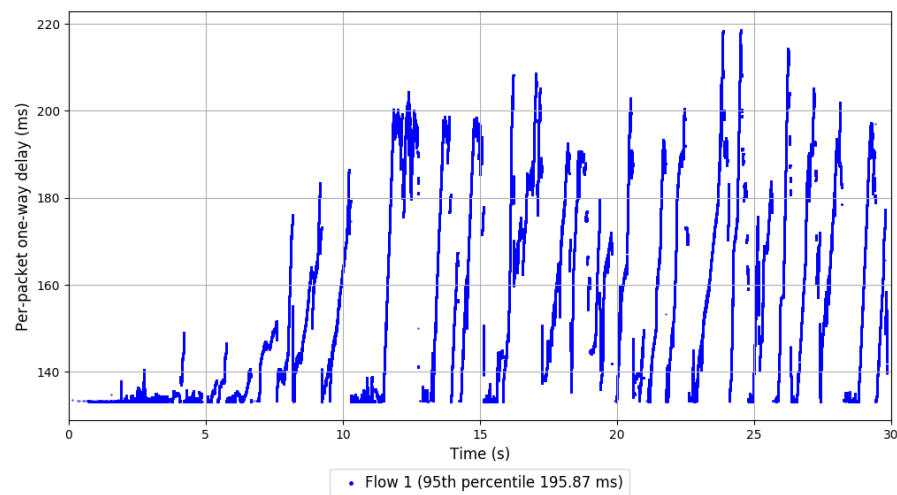
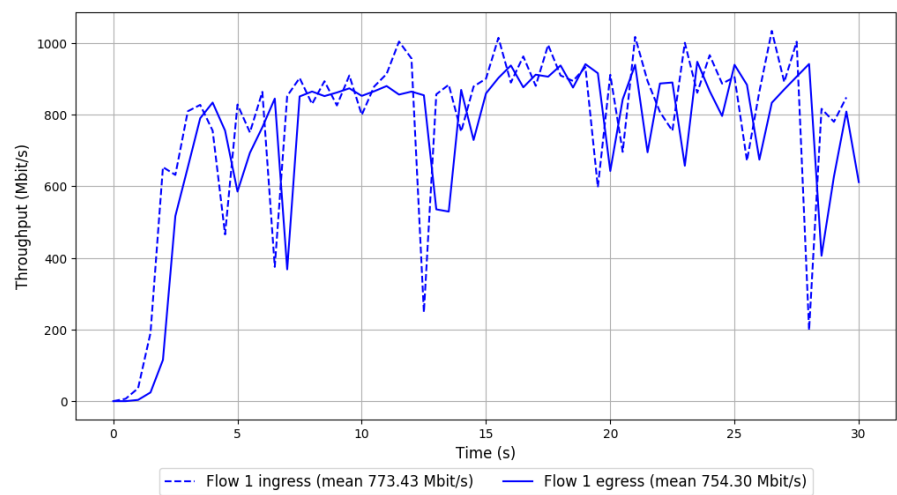


Run 5: Statistics of FillP

Start at: 2019-09-18 13:14:58
End at: 2019-09-18 13:15:28
Local clock offset: -0.015 ms
Remote clock offset: -0.185 ms

Below is generated by plot.py at 2019-09-18 14:02:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 754.30 Mbit/s
95th percentile per-packet one-way delay: 195.871 ms
Loss rate: 3.34%
-- Flow 1:
Average throughput: 754.30 Mbit/s
95th percentile per-packet one-way delay: 195.871 ms
Loss rate: 3.34%

Run 5: Report of FillP — Data Link

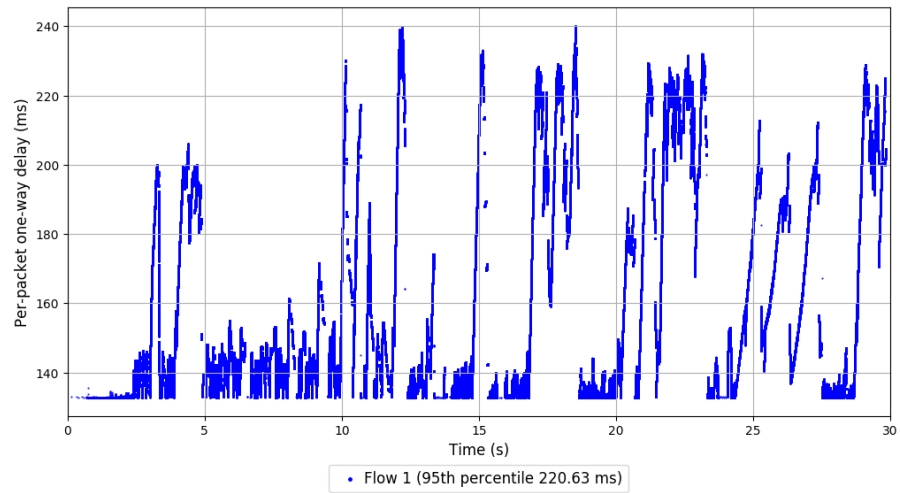
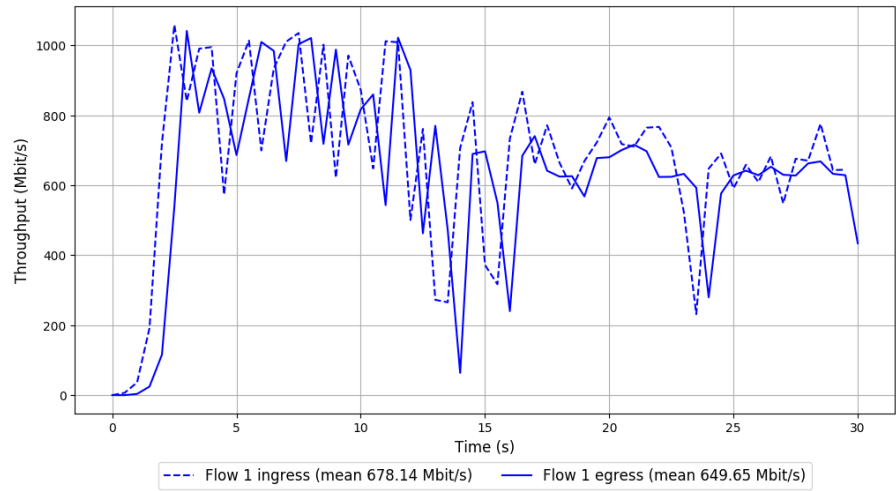


Run 1: Statistics of FillP-Sheep

Start at: 2019-09-18 10:19:56
End at: 2019-09-18 10:20:26
Local clock offset: -0.225 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2019-09-18 14:02:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 649.65 Mbit/s
95th percentile per-packet one-way delay: 220.632 ms
Loss rate: 5.05%
-- Flow 1:
Average throughput: 649.65 Mbit/s
95th percentile per-packet one-way delay: 220.632 ms
Loss rate: 5.05%

Run 1: Report of FillP-Sheep — Data Link

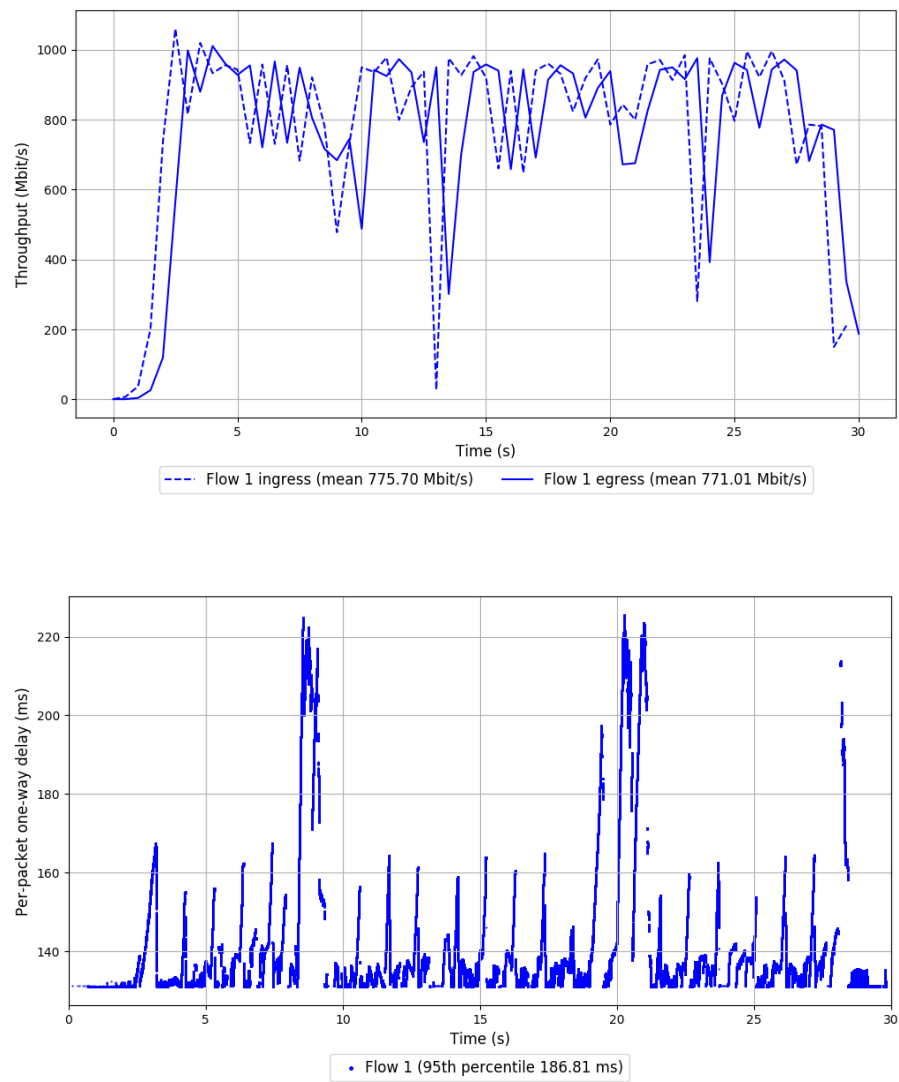


Run 2: Statistics of FillP-Sheep

Start at: 2019-09-18 10:56:28
End at: 2019-09-18 10:56:58
Local clock offset: 0.142 ms
Remote clock offset: -0.166 ms

Below is generated by plot.py at 2019-09-18 14:02:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 771.01 Mbit/s
95th percentile per-packet one-way delay: 186.809 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 771.01 Mbit/s
95th percentile per-packet one-way delay: 186.809 ms
Loss rate: 1.37%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-09-18 11:33:22

End at: 2019-09-18 11:33:52

Local clock offset: -0.334 ms

Remote clock offset: 0.079 ms

Below is generated by plot.py at 2019-09-18 14:03:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 802.34 Mbit/s

95th percentile per-packet one-way delay: 194.509 ms

Loss rate: 3.18%

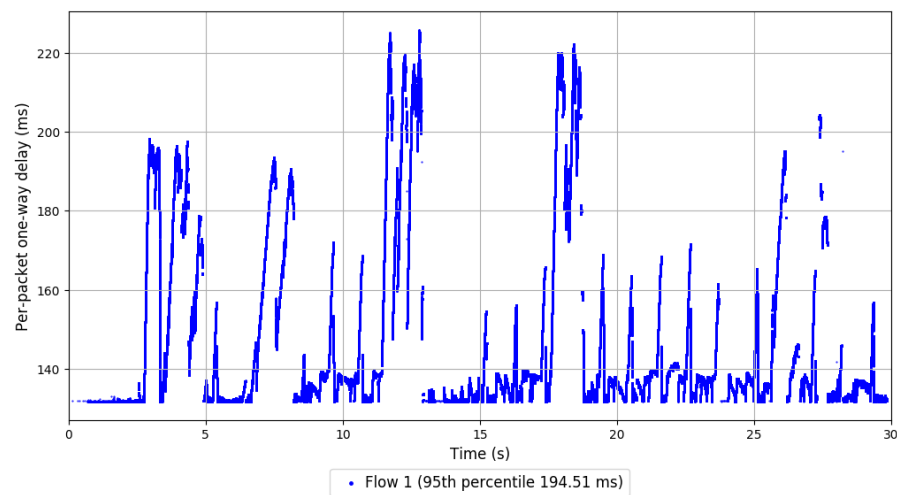
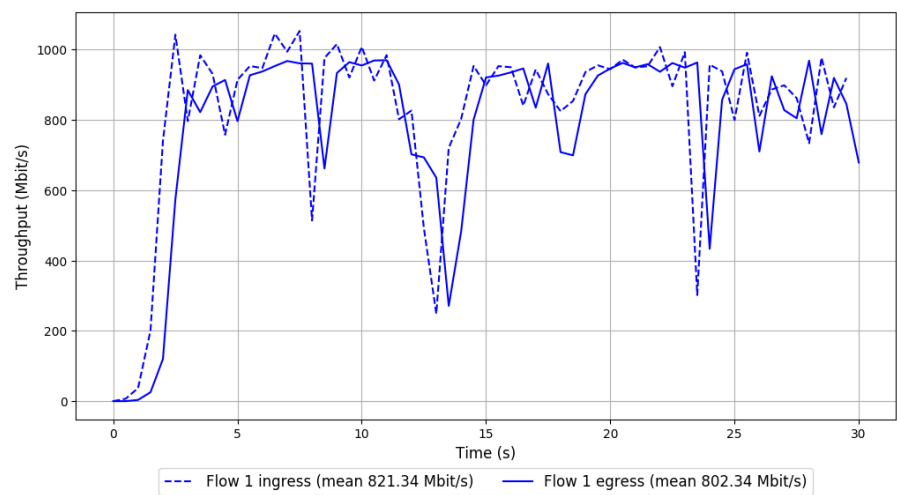
-- Flow 1:

Average throughput: 802.34 Mbit/s

95th percentile per-packet one-way delay: 194.509 ms

Loss rate: 3.18%

Run 3: Report of FillP-Sheep — Data Link

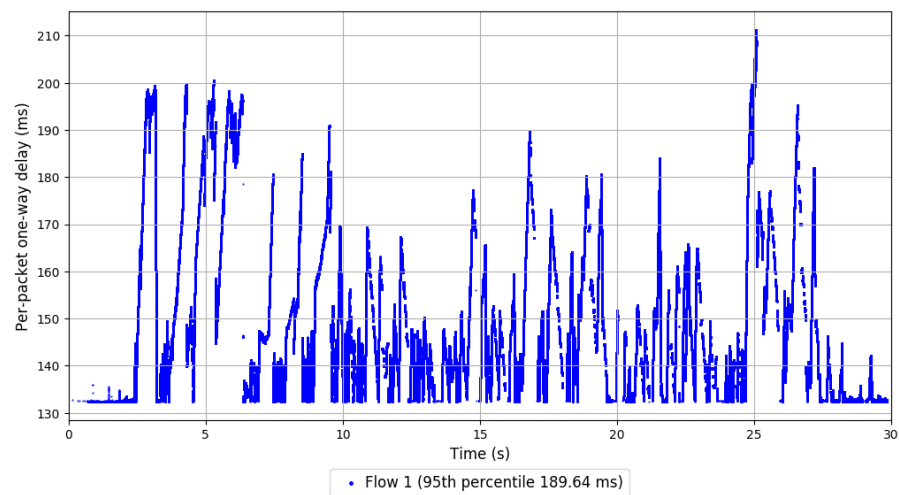
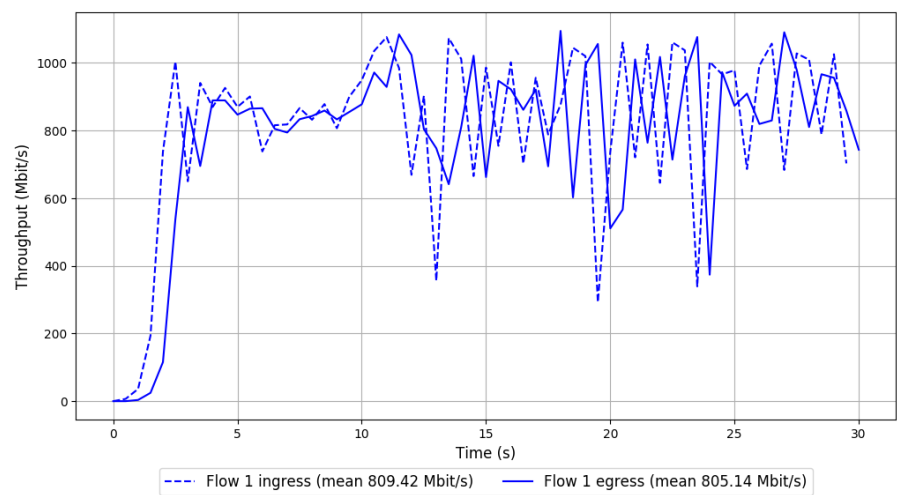


Run 4: Statistics of FillP-Sheep

Start at: 2019-09-18 12:10:24
End at: 2019-09-18 12:10:54
Local clock offset: 0.27 ms
Remote clock offset: -0.199 ms

Below is generated by plot.py at 2019-09-18 14:03:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 805.14 Mbit/s
95th percentile per-packet one-way delay: 189.641 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 805.14 Mbit/s
95th percentile per-packet one-way delay: 189.641 ms
Loss rate: 1.28%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-09-18 12:47:03

End at: 2019-09-18 12:47:33

Local clock offset: 0.364 ms

Remote clock offset: -0.096 ms

Below is generated by plot.py at 2019-09-18 14:03:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.37 Mbit/s

95th percentile per-packet one-way delay: 165.384 ms

Loss rate: 0.53%

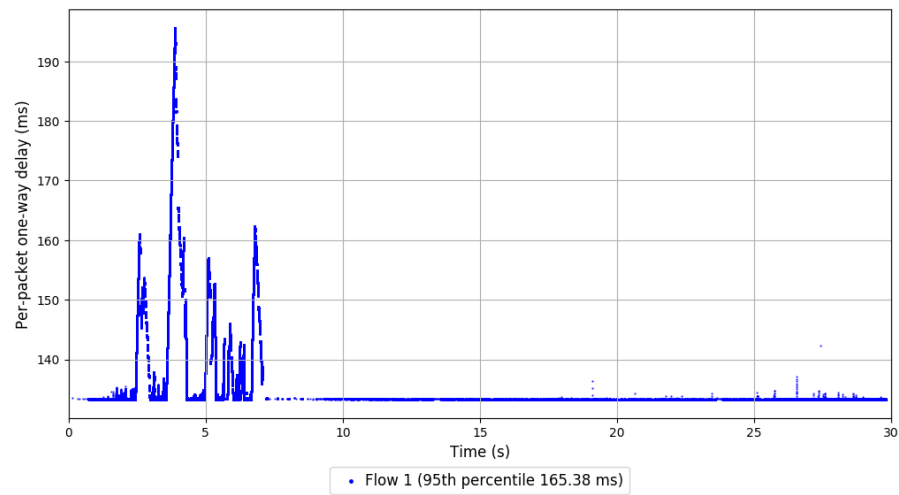
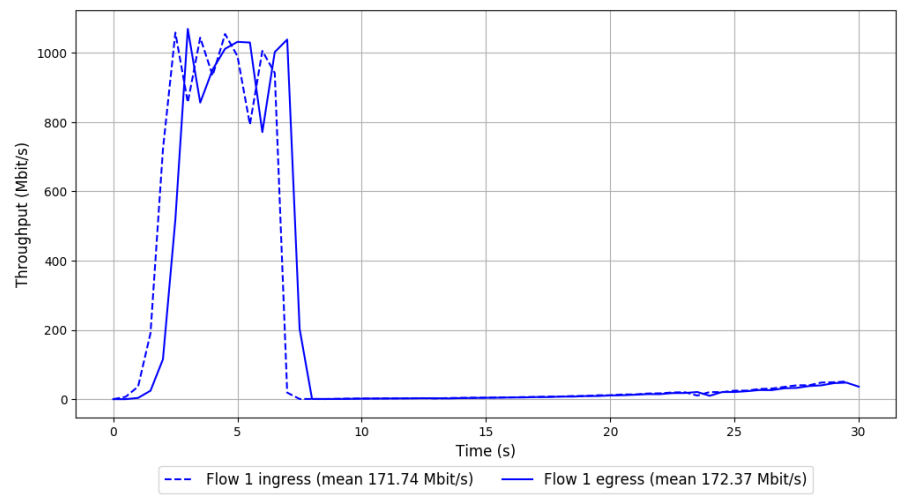
-- Flow 1:

Average throughput: 172.37 Mbit/s

95th percentile per-packet one-way delay: 165.384 ms

Loss rate: 0.53%

Run 5: Report of FillP-Sheep — Data Link

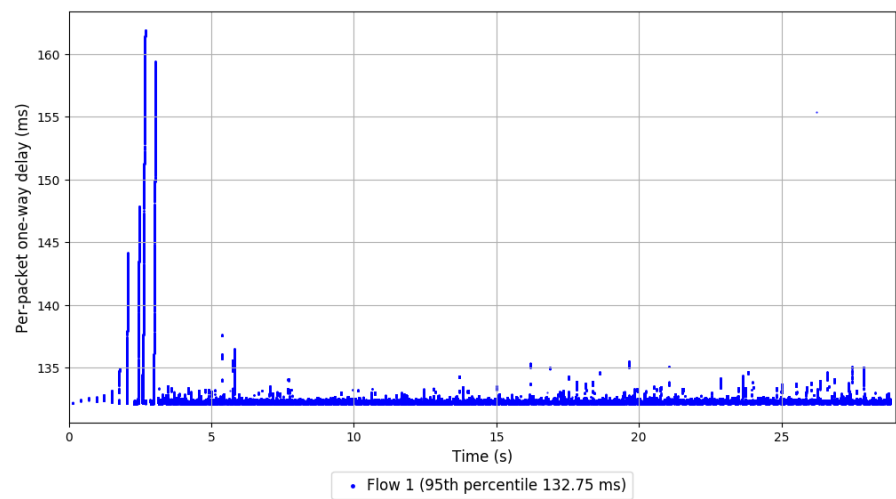
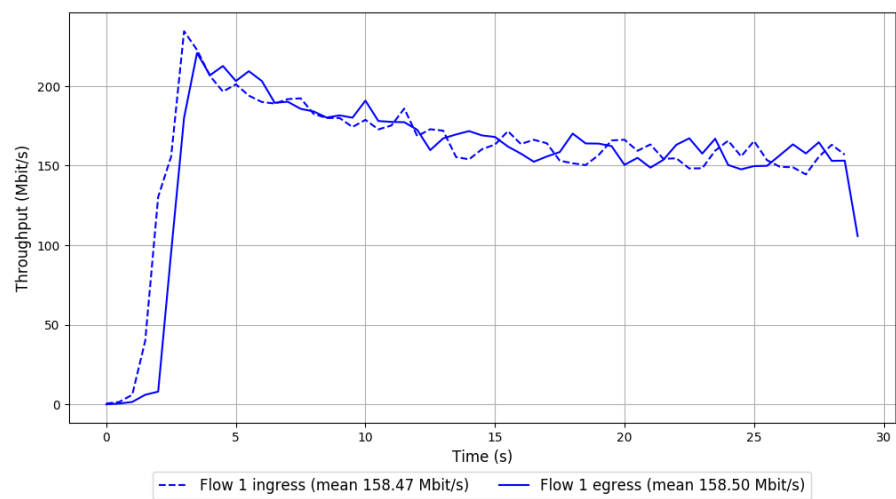


Run 1: Statistics of Indigo

Start at: 2019-09-18 10:21:37
End at: 2019-09-18 10:22:07
Local clock offset: -0.366 ms
Remote clock offset: -0.292 ms

Below is generated by plot.py at 2019-09-18 14:03:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 158.50 Mbit/s
95th percentile per-packet one-way delay: 132.745 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 158.50 Mbit/s
95th percentile per-packet one-way delay: 132.745 ms
Loss rate: 0.90%

Run 1: Report of Indigo — Data Link

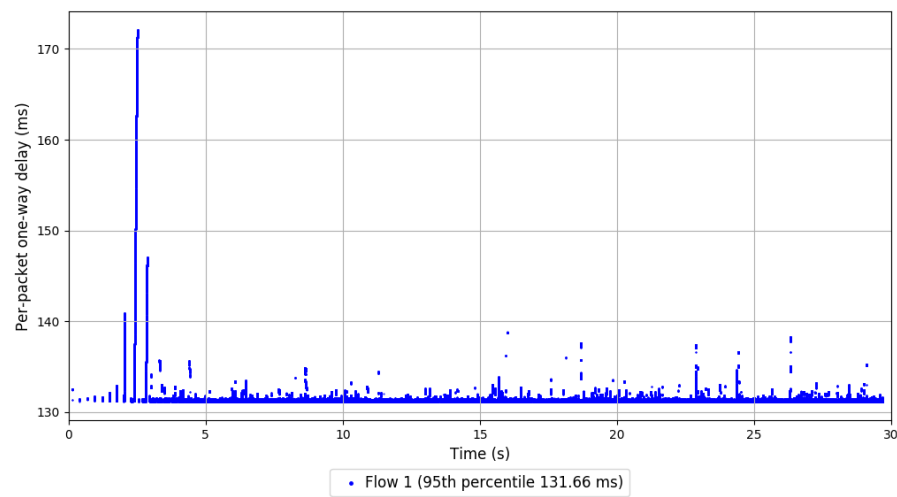
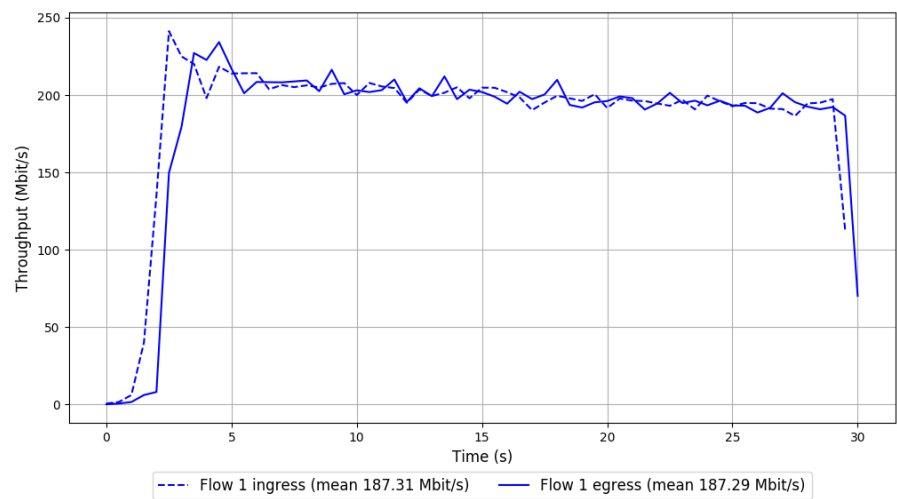


Run 2: Statistics of Indigo

Start at: 2019-09-18 10:58:14
End at: 2019-09-18 10:58:44
Local clock offset: 0.366 ms
Remote clock offset: -0.161 ms

Below is generated by plot.py at 2019-09-18 14:06:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.29 Mbit/s
95th percentile per-packet one-way delay: 131.660 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 187.29 Mbit/s
95th percentile per-packet one-way delay: 131.660 ms
Loss rate: 0.89%

Run 2: Report of Indigo — Data Link

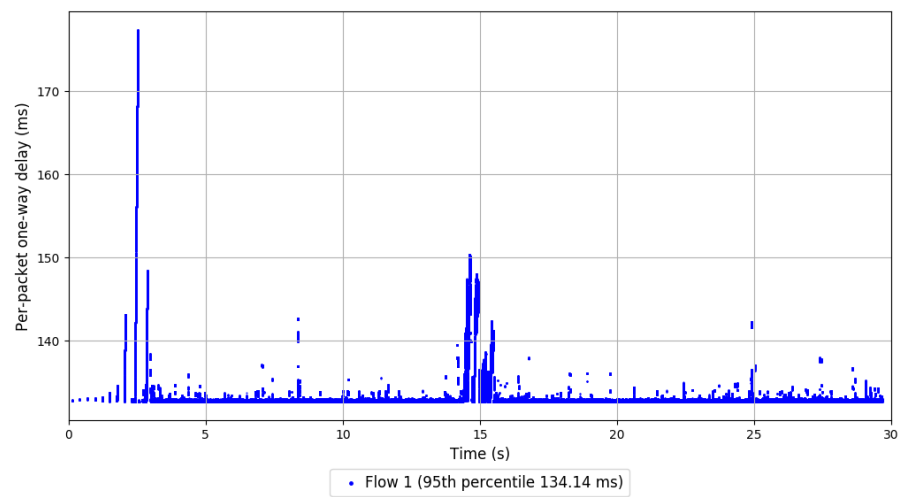
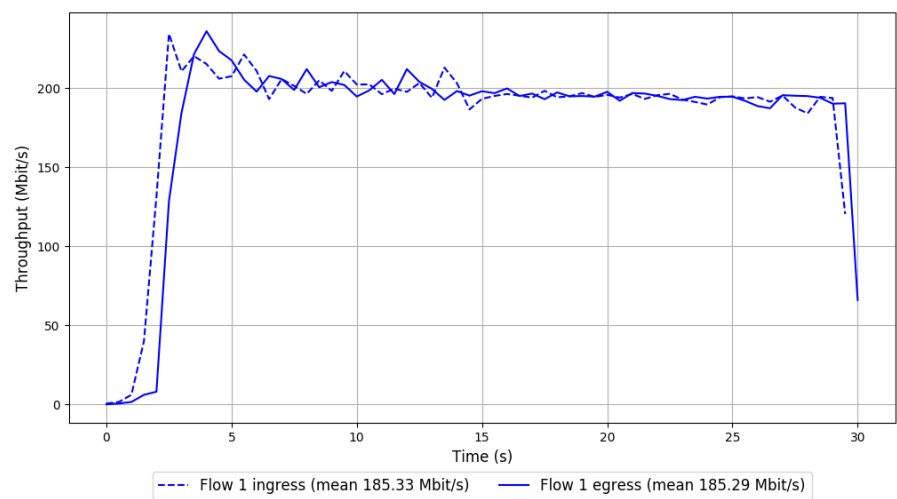


Run 3: Statistics of Indigo

Start at: 2019-09-18 11:35:11
End at: 2019-09-18 11:35:41
Local clock offset: 0.293 ms
Remote clock offset: -0.249 ms

Below is generated by plot.py at 2019-09-18 14:07:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 185.29 Mbit/s
95th percentile per-packet one-way delay: 134.143 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 185.29 Mbit/s
95th percentile per-packet one-way delay: 134.143 ms
Loss rate: 0.92%

Run 3: Report of Indigo — Data Link

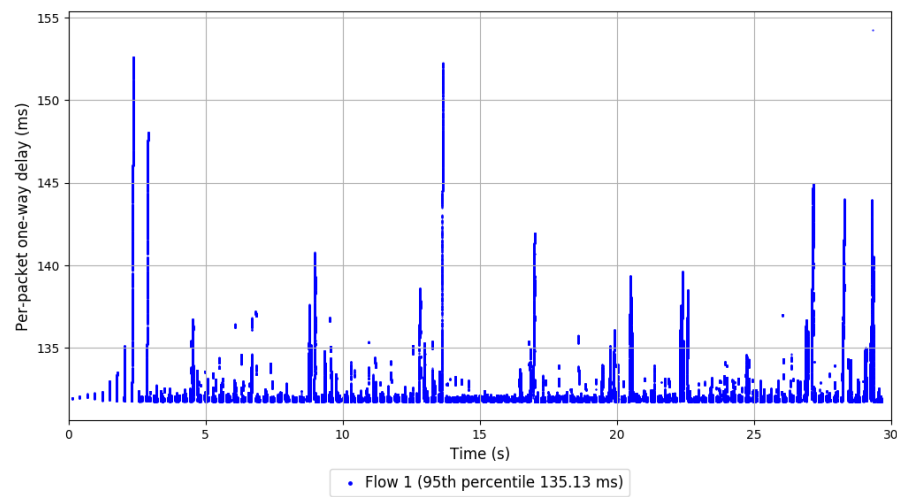
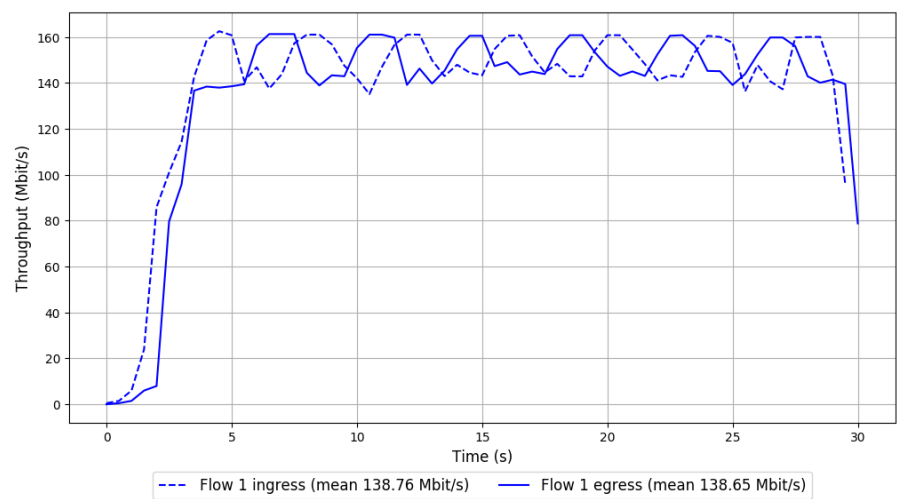


Run 4: Statistics of Indigo

Start at: 2019-09-18 12:12:12
End at: 2019-09-18 12:12:42
Local clock offset: -0.296 ms
Remote clock offset: -0.167 ms

Below is generated by plot.py at 2019-09-18 14:07:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 138.65 Mbit/s
95th percentile per-packet one-way delay: 135.128 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 138.65 Mbit/s
95th percentile per-packet one-way delay: 135.128 ms
Loss rate: 0.97%

Run 4: Report of Indigo — Data Link

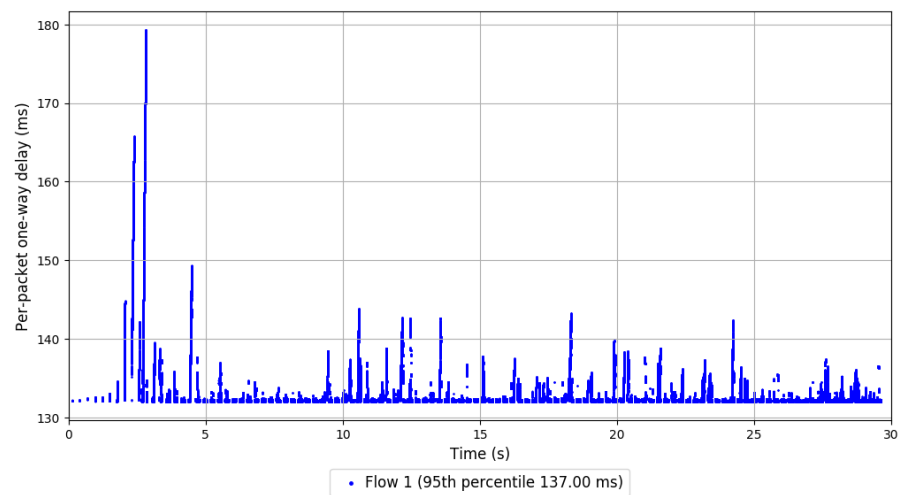
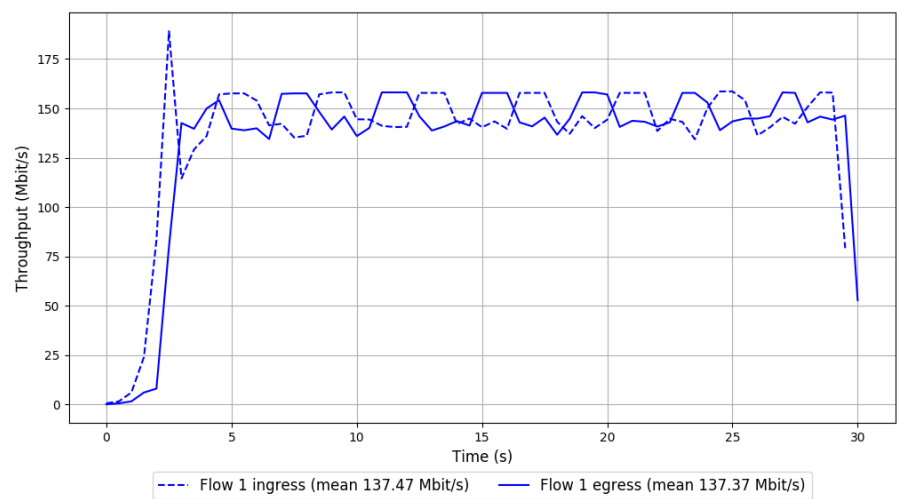


Run 5: Statistics of Indigo

Start at: 2019-09-18 12:48:22
End at: 2019-09-18 12:48:52
Local clock offset: -0.052 ms
Remote clock offset: -0.214 ms

Below is generated by plot.py at 2019-09-18 14:07:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 137.37 Mbit/s
95th percentile per-packet one-way delay: 137.005 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 137.37 Mbit/s
95th percentile per-packet one-way delay: 137.005 ms
Loss rate: 0.97%

Run 5: Report of Indigo — Data Link

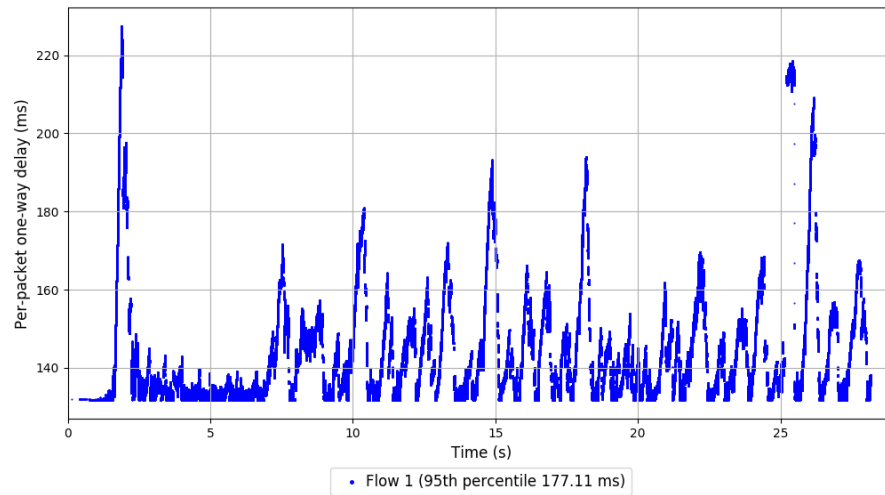
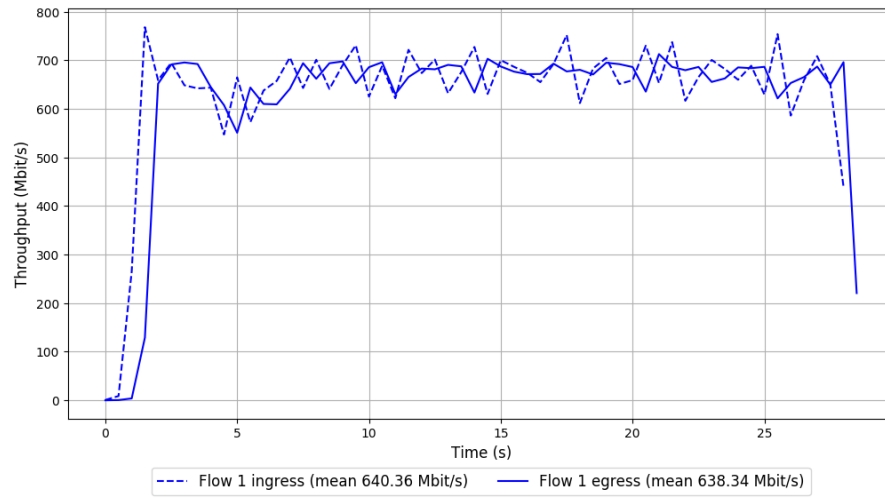


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-09-18 10:30:35
End at: 2019-09-18 10:31:05
Local clock offset: -0.417 ms
Remote clock offset: -0.208 ms

Below is generated by plot.py at 2019-09-18 14:12:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 638.34 Mbit/s
95th percentile per-packet one-way delay: 177.109 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 638.34 Mbit/s
95th percentile per-packet one-way delay: 177.109 ms
Loss rate: 1.25%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-09-18 11:07:10

End at: 2019-09-18 11:07:40

Local clock offset: 0.173 ms

Remote clock offset: -0.16 ms

Below is generated by plot.py at 2019-09-18 14:13:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 640.35 Mbit/s

95th percentile per-packet one-way delay: 173.475 ms

Loss rate: 1.28%

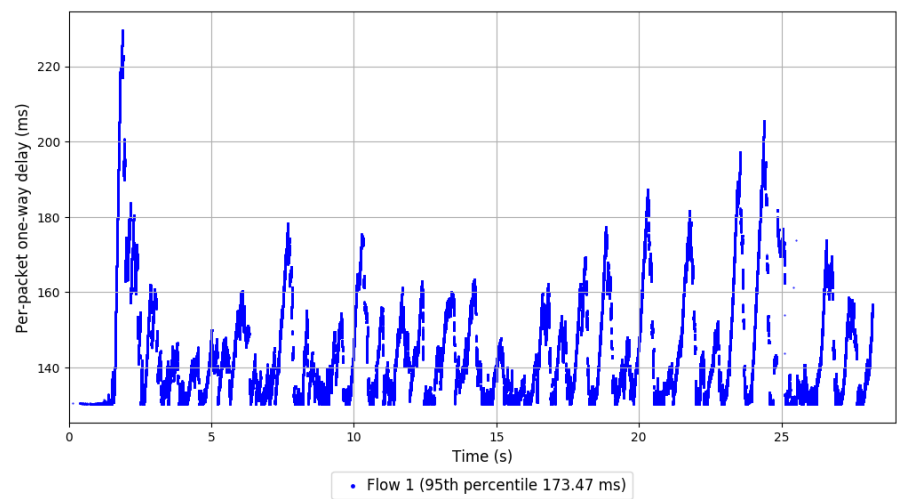
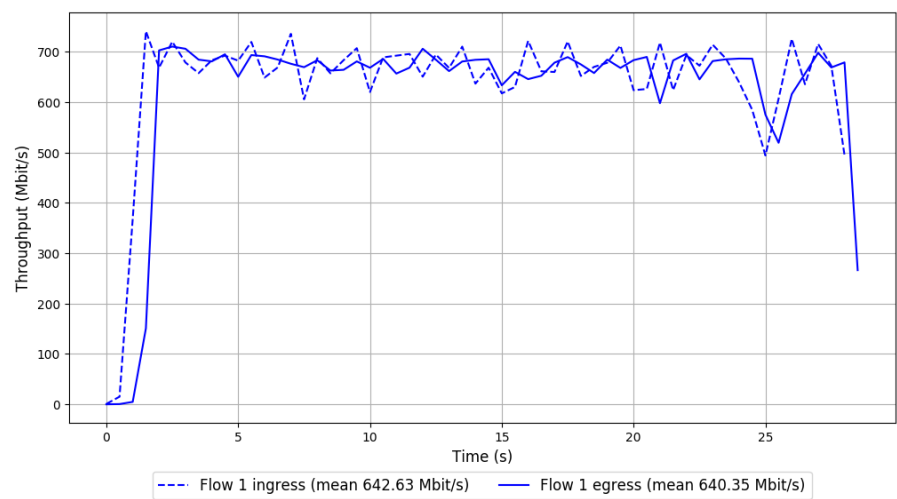
-- Flow 1:

Average throughput: 640.35 Mbit/s

95th percentile per-packet one-way delay: 173.475 ms

Loss rate: 1.28%

Run 2: Report of Indigo-MusesC3 — Data Link

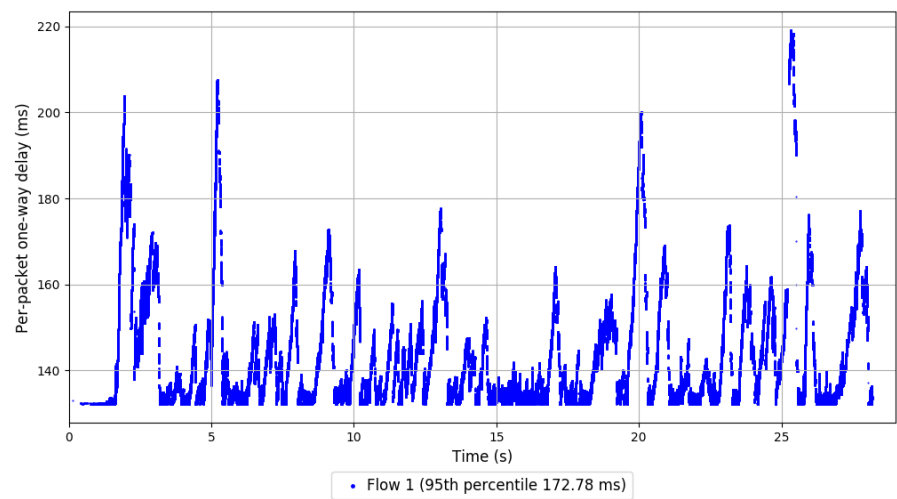
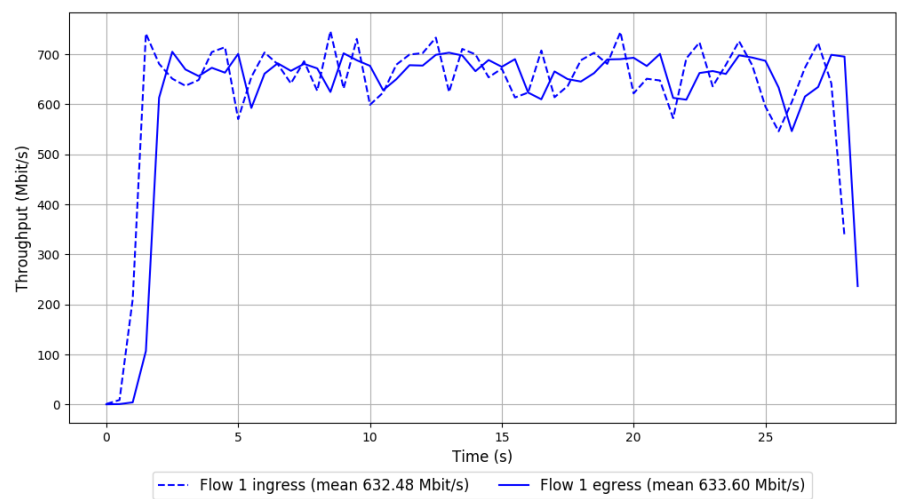


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-09-18 11:44:12
End at: 2019-09-18 11:44:42
Local clock offset: -0.357 ms
Remote clock offset: -0.304 ms

Below is generated by plot.py at 2019-09-18 14:14:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 633.60 Mbit/s
95th percentile per-packet one-way delay: 172.780 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 633.60 Mbit/s
95th percentile per-packet one-way delay: 172.780 ms
Loss rate: 0.76%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-09-18 12:20:51

End at: 2019-09-18 12:21:21

Local clock offset: -0.09 ms

Remote clock offset: 0.073 ms

Below is generated by plot.py at 2019-09-18 14:15:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 652.50 Mbit/s

95th percentile per-packet one-way delay: 163.808 ms

Loss rate: 0.62%

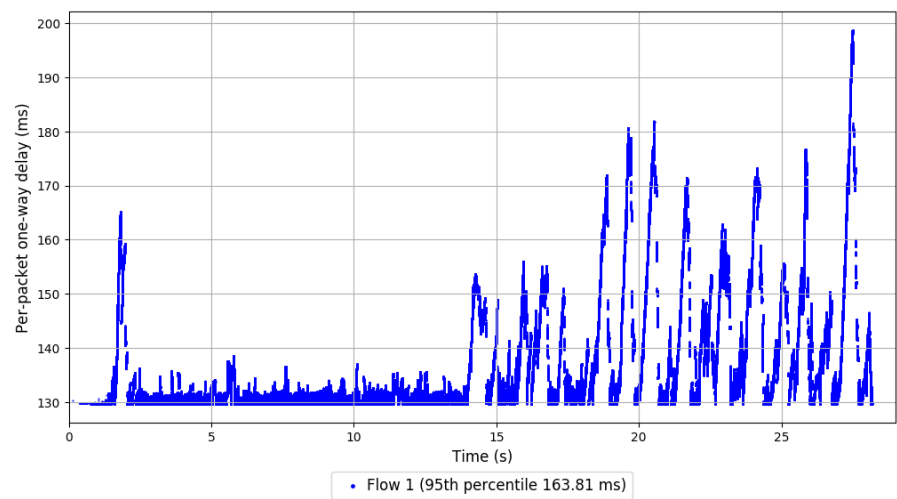
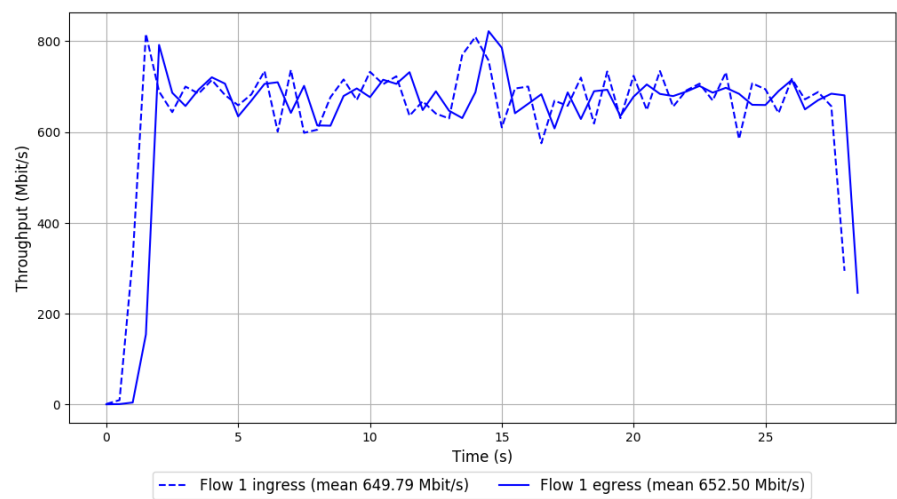
-- Flow 1:

Average throughput: 652.50 Mbit/s

95th percentile per-packet one-way delay: 163.808 ms

Loss rate: 0.62%

Run 4: Report of Indigo-MusesC3 — Data Link

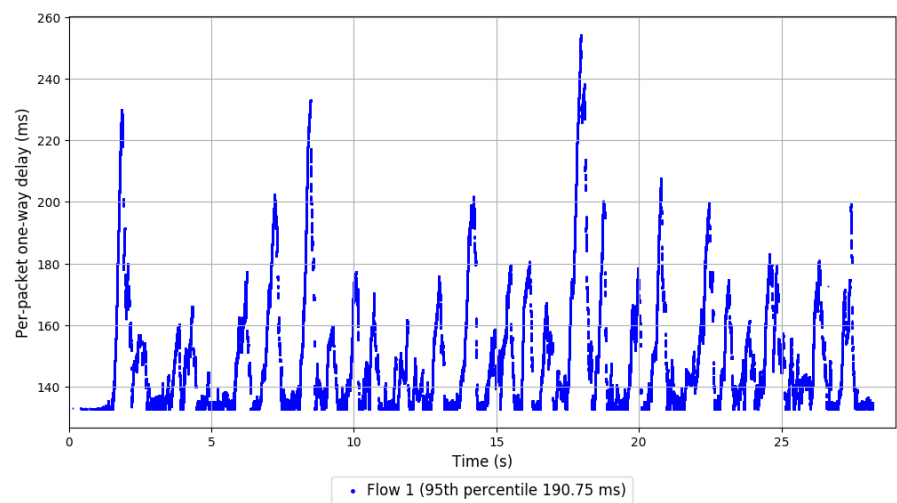
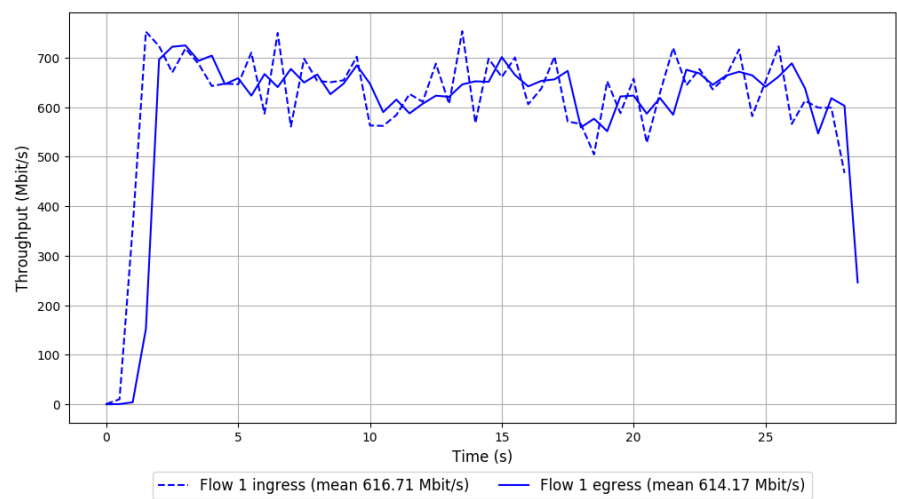


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-09-18 12:57:03
End at: 2019-09-18 12:57:33
Local clock offset: -0.312 ms
Remote clock offset: -0.194 ms

Below is generated by plot.py at 2019-09-18 14:16:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 614.17 Mbit/s
95th percentile per-packet one-way delay: 190.753 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 614.17 Mbit/s
95th percentile per-packet one-way delay: 190.753 ms
Loss rate: 1.35%

Run 5: Report of Indigo-MusesC3 — Data Link

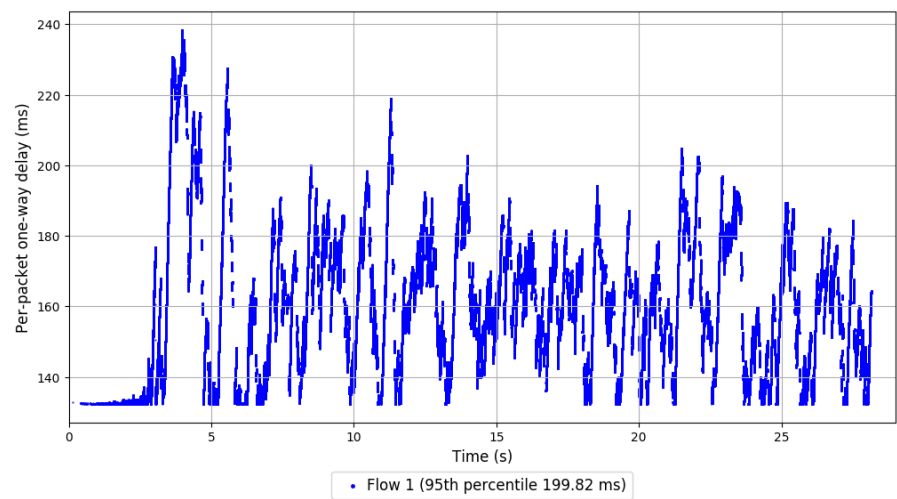
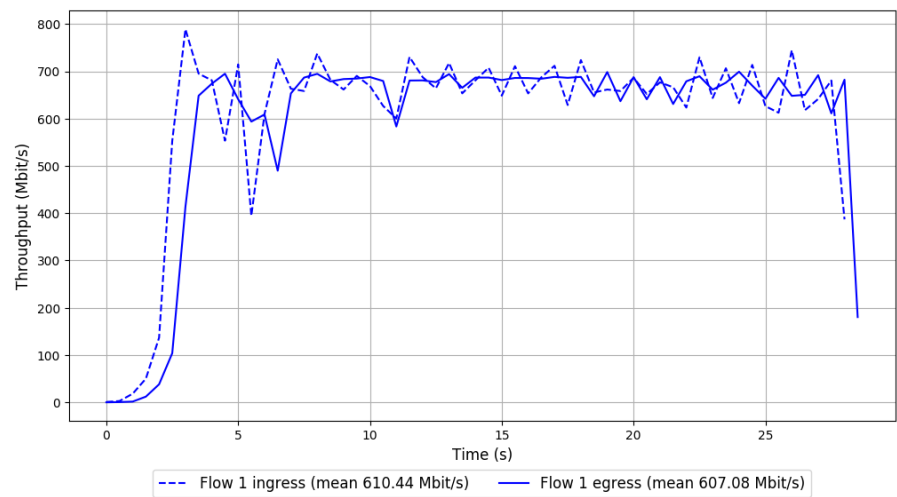


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-09-18 10:42:19
End at: 2019-09-18 10:42:49
Local clock offset: -0.047 ms
Remote clock offset: -0.196 ms

Below is generated by plot.py at 2019-09-18 14:16:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 607.08 Mbit/s
95th percentile per-packet one-way delay: 199.816 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 607.08 Mbit/s
95th percentile per-packet one-way delay: 199.816 ms
Loss rate: 1.49%

Run 1: Report of Indigo-MusesC5 — Data Link

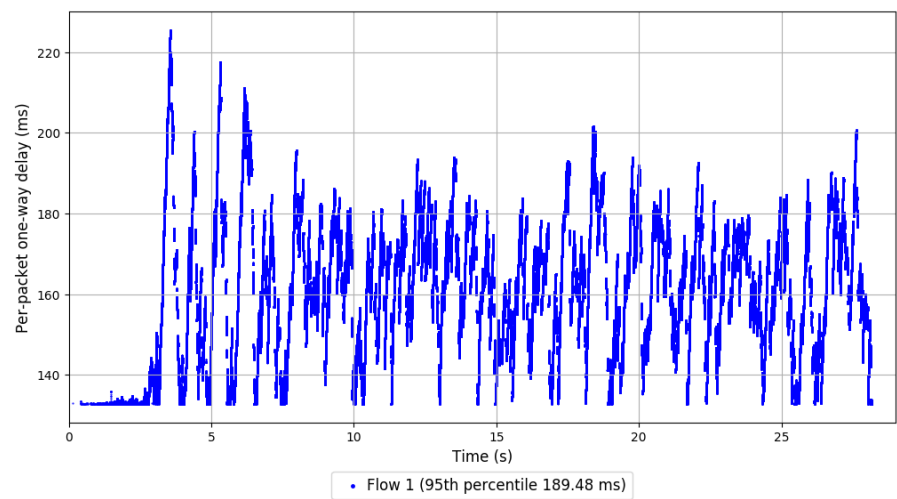
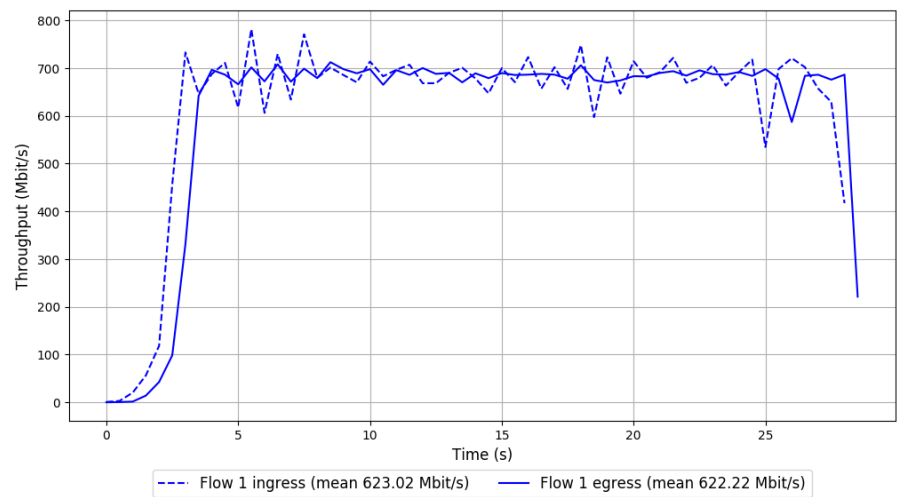


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-09-18 11:18:58
End at: 2019-09-18 11:19:28
Local clock offset: -0.319 ms
Remote clock offset: -0.239 ms

Below is generated by plot.py at 2019-09-18 14:17:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 622.22 Mbit/s
95th percentile per-packet one-way delay: 189.483 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 622.22 Mbit/s
95th percentile per-packet one-way delay: 189.483 ms
Loss rate: 1.07%

Run 2: Report of Indigo-MusesC5 — Data Link

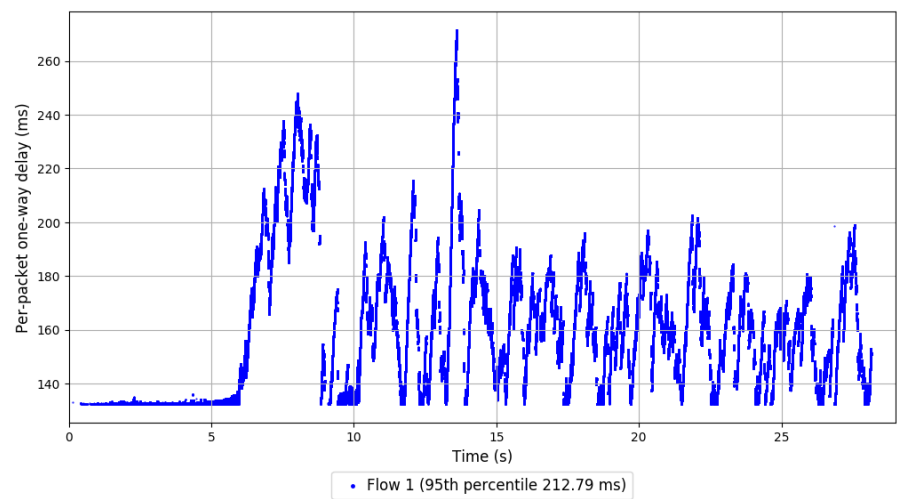
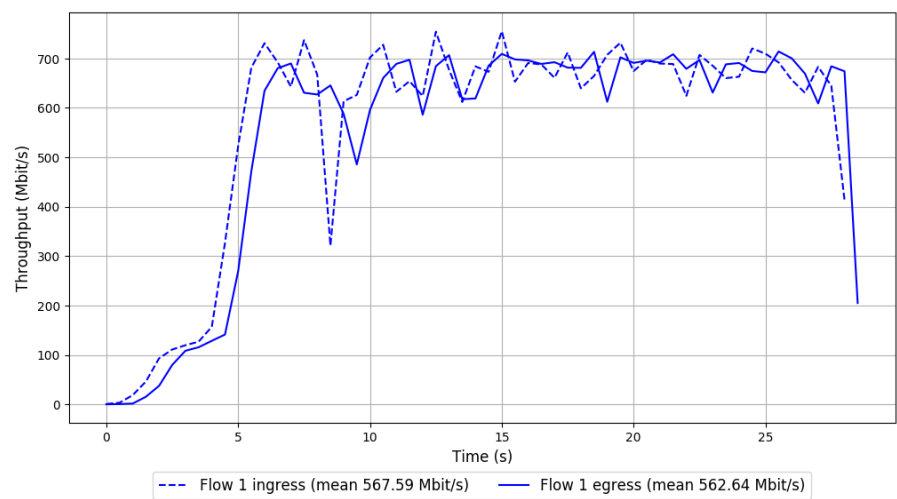


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-09-18 11:55:55
End at: 2019-09-18 11:56:25
Local clock offset: -0.53 ms
Remote clock offset: -0.284 ms

Below is generated by plot.py at 2019-09-18 14:17:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 562.64 Mbit/s
95th percentile per-packet one-way delay: 212.793 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 562.64 Mbit/s
95th percentile per-packet one-way delay: 212.793 ms
Loss rate: 1.80%

Run 3: Report of Indigo-MusesC5 — Data Link

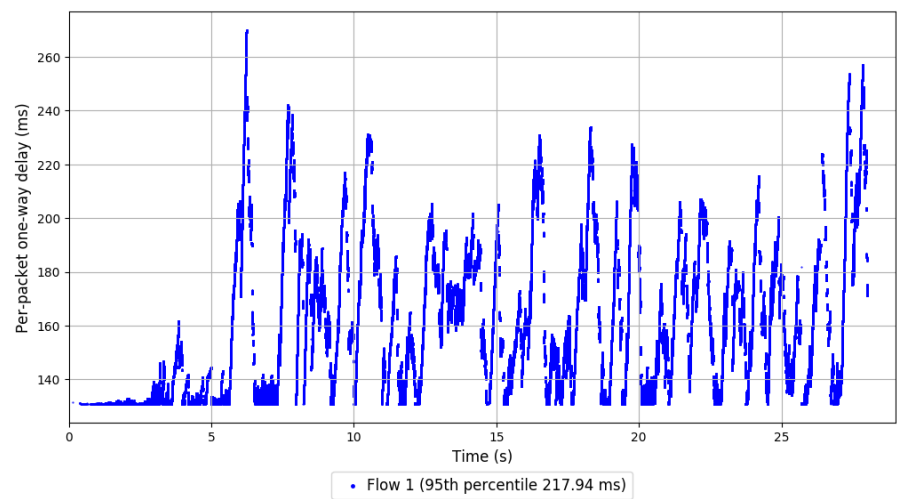
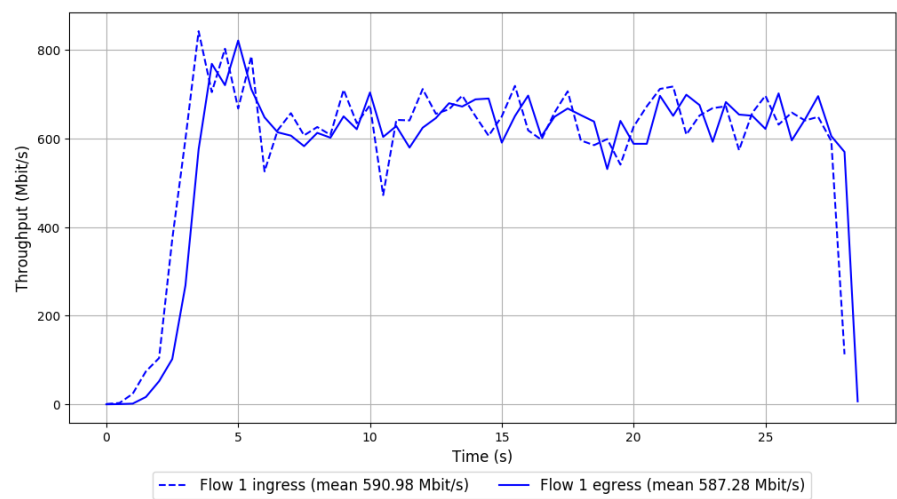


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-09-18 12:32:28
End at: 2019-09-18 12:32:58
Local clock offset: 0.048 ms
Remote clock offset: -0.235 ms

Below is generated by plot.py at 2019-09-18 14:22:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 587.28 Mbit/s
95th percentile per-packet one-way delay: 217.944 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 587.28 Mbit/s
95th percentile per-packet one-way delay: 217.944 ms
Loss rate: 1.41%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-09-18 13:08:47

End at: 2019-09-18 13:09:17

Local clock offset: -0.04 ms

Remote clock offset: 0.139 ms

Below is generated by plot.py at 2019-09-18 14:23:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 585.83 Mbit/s

95th percentile per-packet one-way delay: 212.397 ms

Loss rate: 1.60%

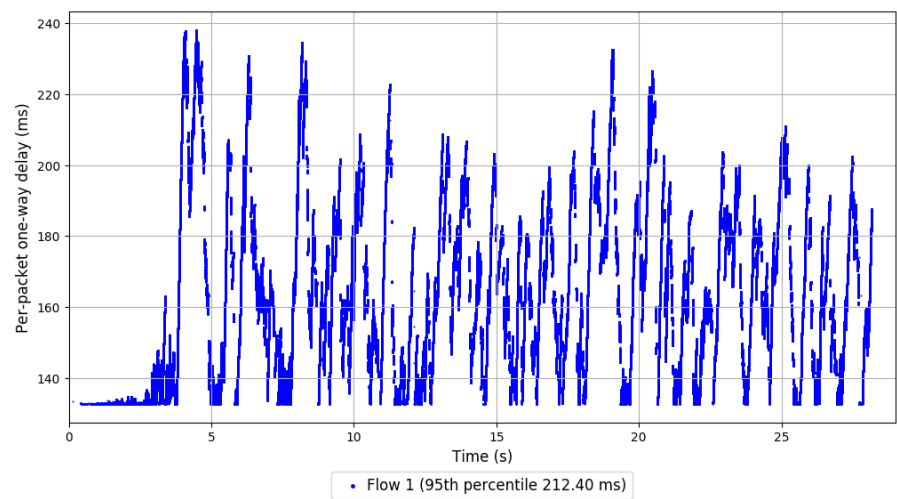
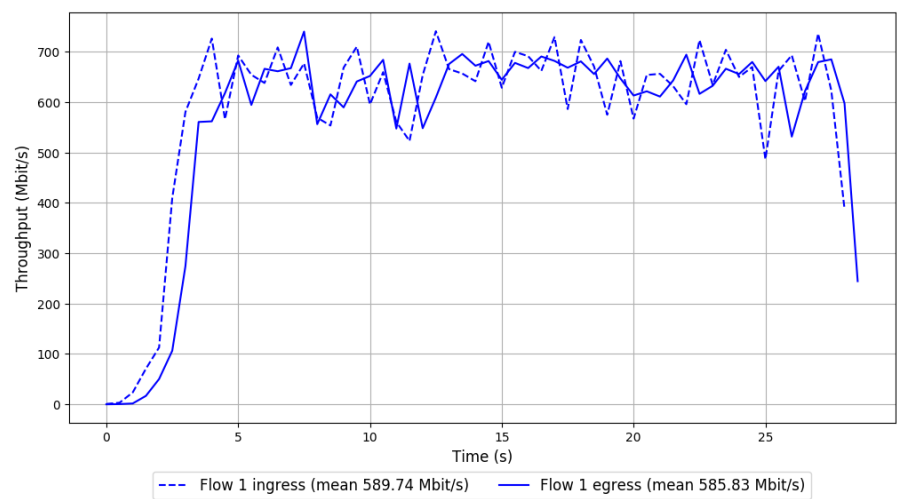
-- Flow 1:

Average throughput: 585.83 Mbit/s

95th percentile per-packet one-way delay: 212.397 ms

Loss rate: 1.60%

Run 5: Report of Indigo-MusesC5 — Data Link

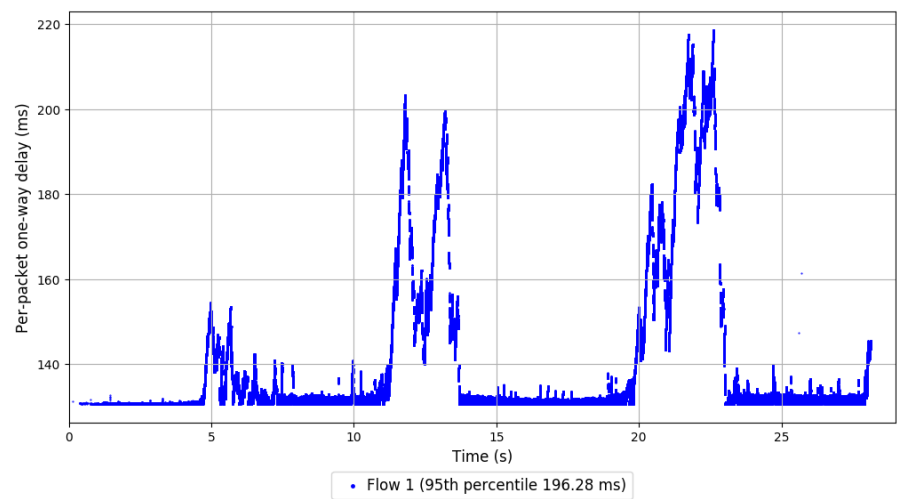
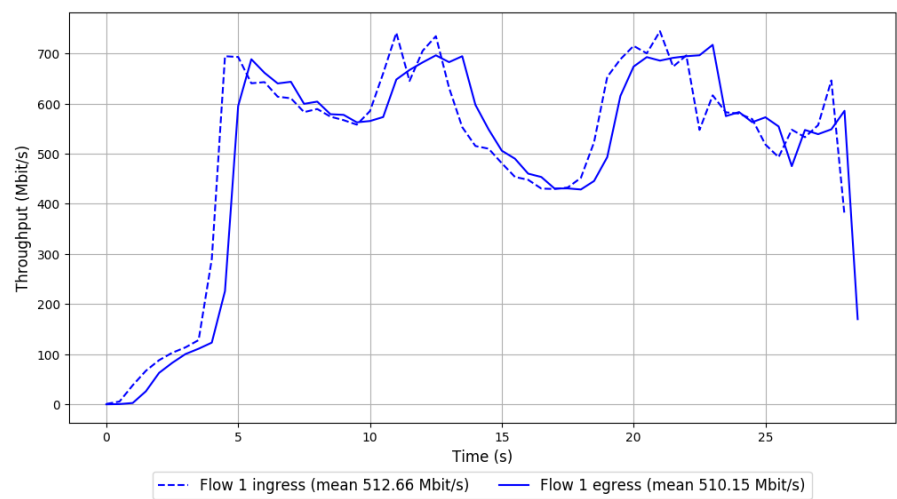


Run 1: Statistics of Indigo-MusesD

Start at: 2019-09-18 10:18:18
End at: 2019-09-18 10:18:48
Local clock offset: -0.063 ms
Remote clock offset: -0.172 ms

Below is generated by plot.py at 2019-09-18 14:23:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 510.15 Mbit/s
95th percentile per-packet one-way delay: 196.280 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 510.15 Mbit/s
95th percentile per-packet one-way delay: 196.280 ms
Loss rate: 1.42%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-09-18 10:54:46

End at: 2019-09-18 10:55:16

Local clock offset: 0.341 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2019-09-18 14:24:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 595.19 Mbit/s

95th percentile per-packet one-way delay: 208.090 ms

Loss rate: 1.42%

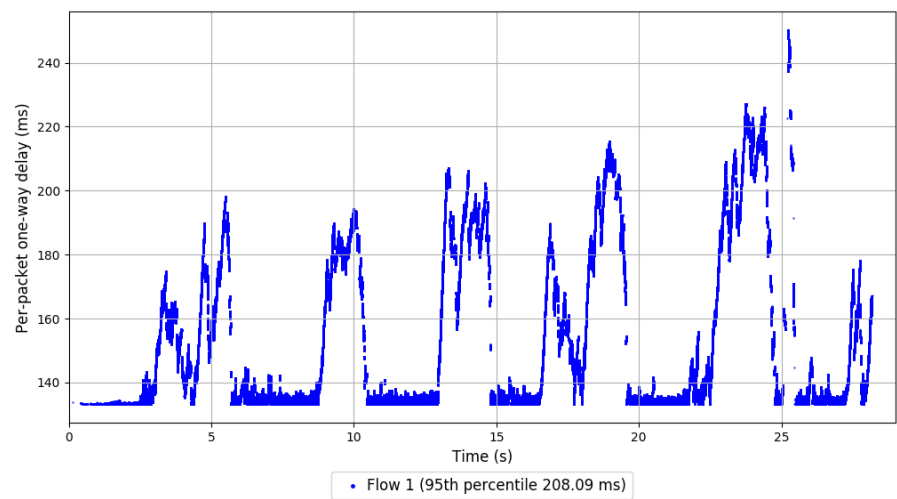
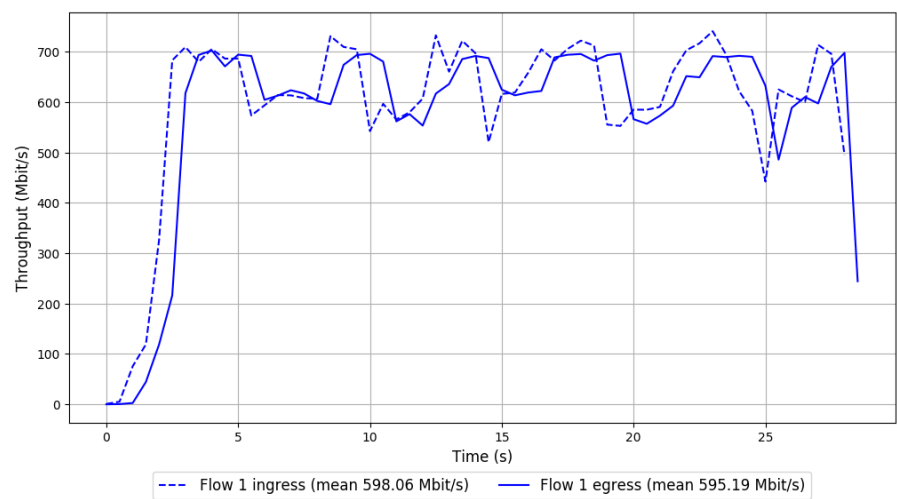
-- Flow 1:

Average throughput: 595.19 Mbit/s

95th percentile per-packet one-way delay: 208.090 ms

Loss rate: 1.42%

Run 2: Report of Indigo-MusesD — Data Link

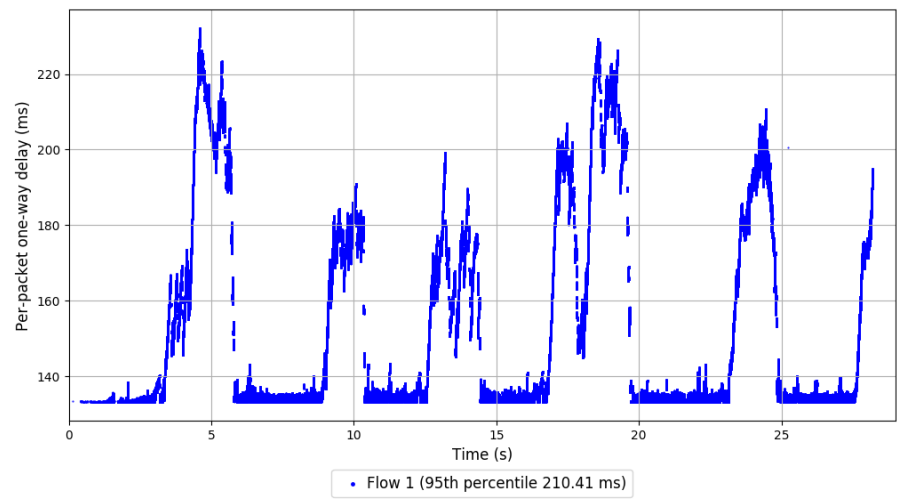
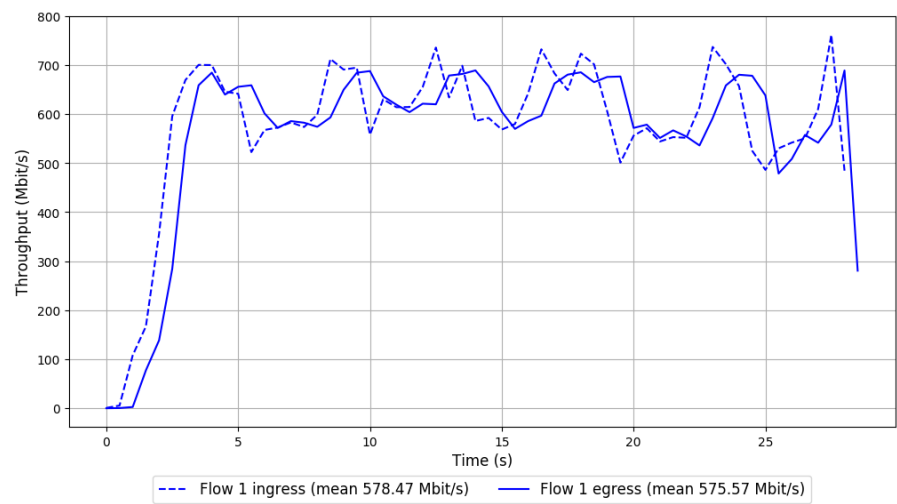


Run 3: Statistics of Indigo-MusesD

Start at: 2019-09-18 11:31:41
End at: 2019-09-18 11:32:11
Local clock offset: 0.055 ms
Remote clock offset: -0.281 ms

Below is generated by plot.py at 2019-09-18 14:26:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 575.57 Mbit/s
95th percentile per-packet one-way delay: 210.411 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 575.57 Mbit/s
95th percentile per-packet one-way delay: 210.411 ms
Loss rate: 1.43%

Run 3: Report of Indigo-MusesD — Data Link

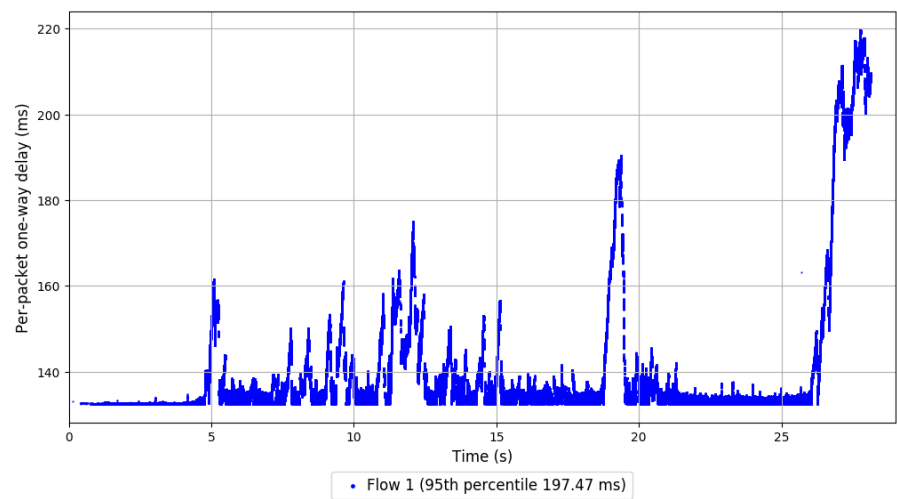
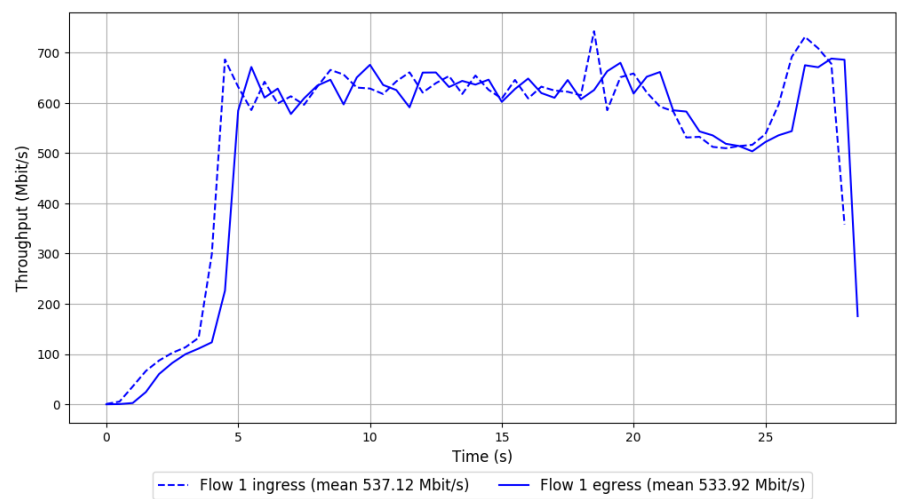


Run 4: Statistics of Indigo-MusesD

Start at: 2019-09-18 12:08:46
End at: 2019-09-18 12:09:16
Local clock offset: 0.016 ms
Remote clock offset: -0.218 ms

Below is generated by plot.py at 2019-09-18 14:26:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 533.92 Mbit/s
95th percentile per-packet one-way delay: 197.467 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 533.92 Mbit/s
95th percentile per-packet one-way delay: 197.467 ms
Loss rate: 1.53%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-09-18 12:45:22

End at: 2019-09-18 12:45:52

Local clock offset: 0.427 ms

Remote clock offset: -0.257 ms

Below is generated by plot.py at 2019-09-18 14:26:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 552.86 Mbit/s

95th percentile per-packet one-way delay: 223.938 ms

Loss rate: 2.15%

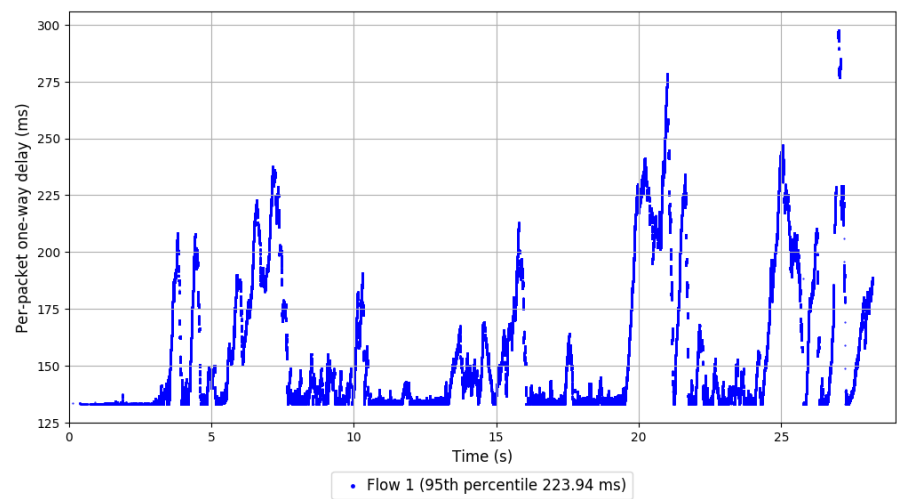
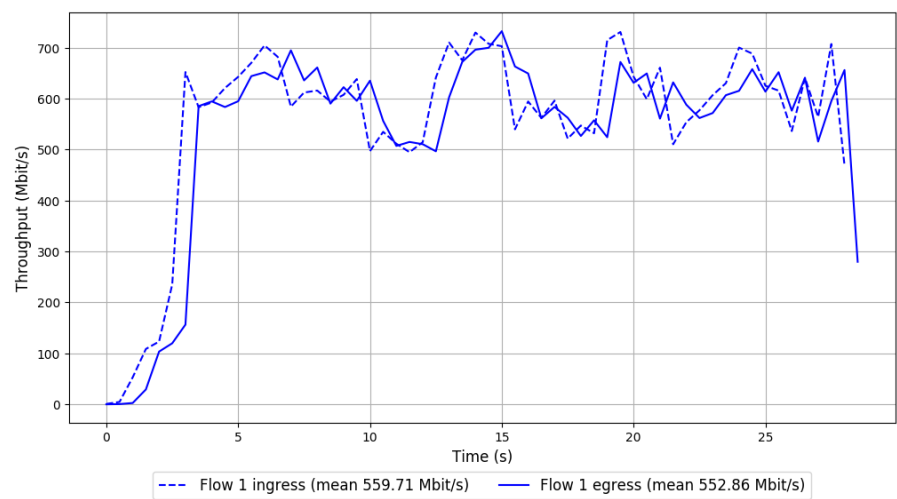
-- Flow 1:

Average throughput: 552.86 Mbit/s

95th percentile per-packet one-way delay: 223.938 ms

Loss rate: 2.15%

Run 5: Report of Indigo-MusesD — Data Link

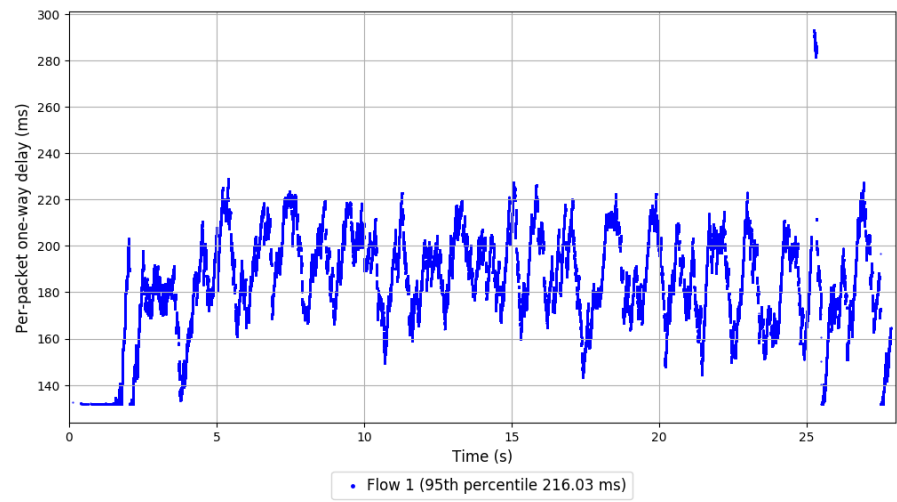
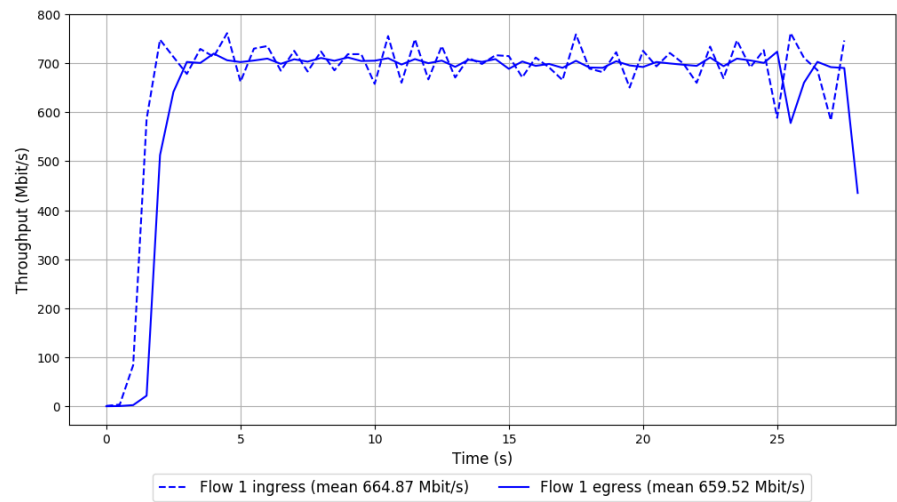


Run 1: Statistics of Indigo-MusesT

Start at: 2019-09-18 10:16:33
End at: 2019-09-18 10:17:03
Local clock offset: -0.484 ms
Remote clock offset: -0.291 ms

Below is generated by plot.py at 2019-09-18 14:27:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 659.52 Mbit/s
95th percentile per-packet one-way delay: 216.029 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 659.52 Mbit/s
95th percentile per-packet one-way delay: 216.029 ms
Loss rate: 1.74%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-09-18 10:53:02

End at: 2019-09-18 10:53:32

Local clock offset: -0.482 ms

Remote clock offset: -0.15 ms

Below is generated by plot.py at 2019-09-18 14:32:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 637.43 Mbit/s

95th percentile per-packet one-way delay: 224.472 ms

Loss rate: 1.65%

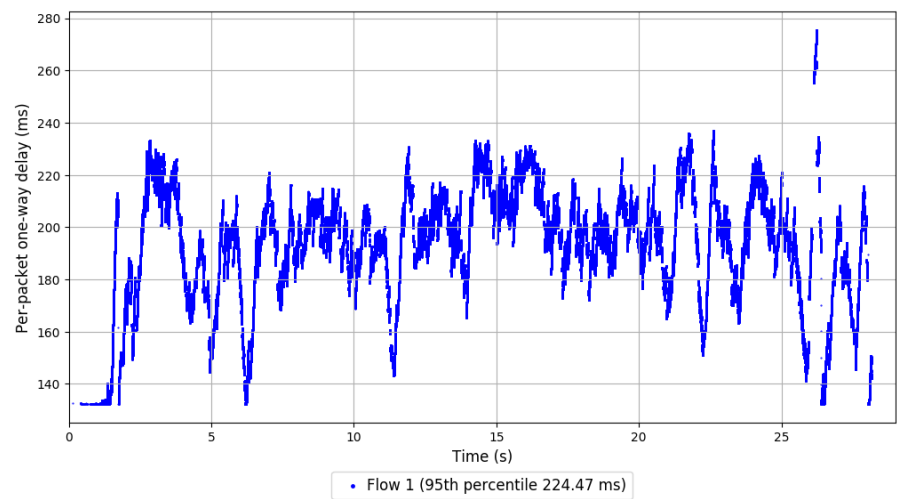
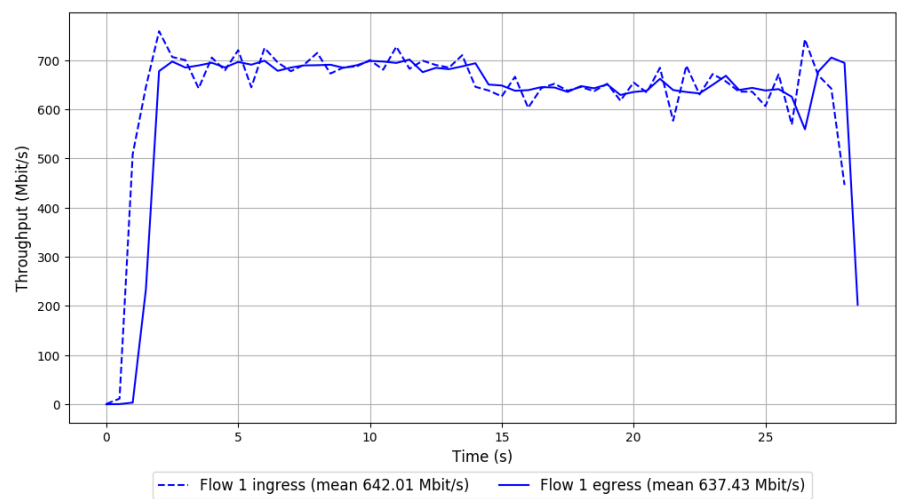
-- Flow 1:

Average throughput: 637.43 Mbit/s

95th percentile per-packet one-way delay: 224.472 ms

Loss rate: 1.65%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-09-18 11:29:56

End at: 2019-09-18 11:30:26

Local clock offset: 0.121 ms

Remote clock offset: -0.305 ms

Below is generated by plot.py at 2019-09-18 14:33:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 648.73 Mbit/s

95th percentile per-packet one-way delay: 221.926 ms

Loss rate: 1.91%

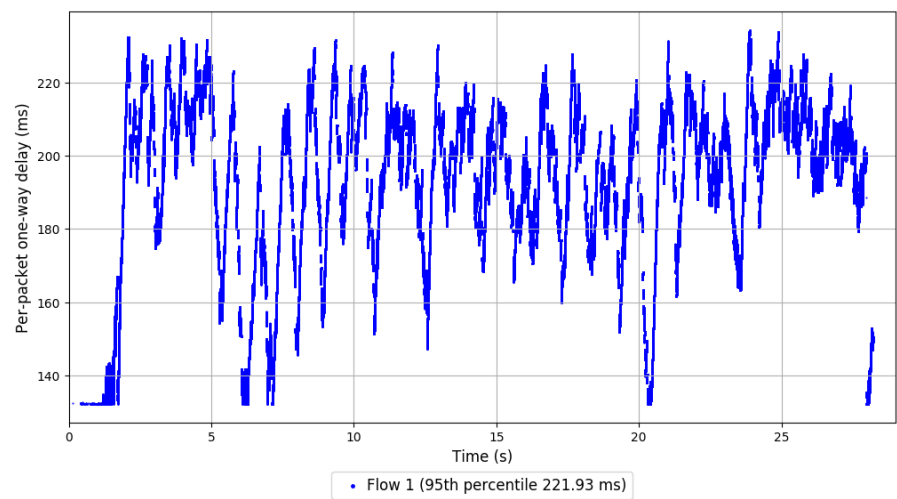
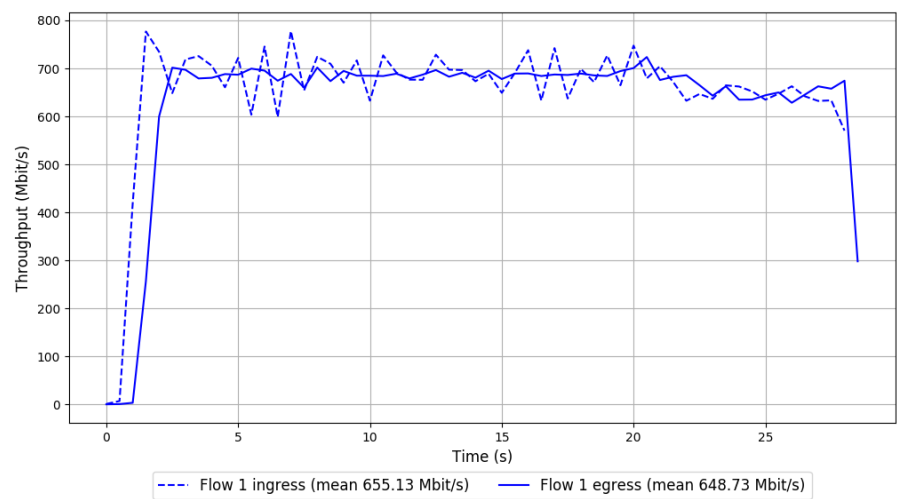
-- Flow 1:

Average throughput: 648.73 Mbit/s

95th percentile per-packet one-way delay: 221.926 ms

Loss rate: 1.91%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-09-18 12:07:00

End at: 2019-09-18 12:07:30

Local clock offset: 0.269 ms

Remote clock offset: -0.215 ms

Below is generated by plot.py at 2019-09-18 14:34:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 659.28 Mbit/s

95th percentile per-packet one-way delay: 218.937 ms

Loss rate: 1.95%

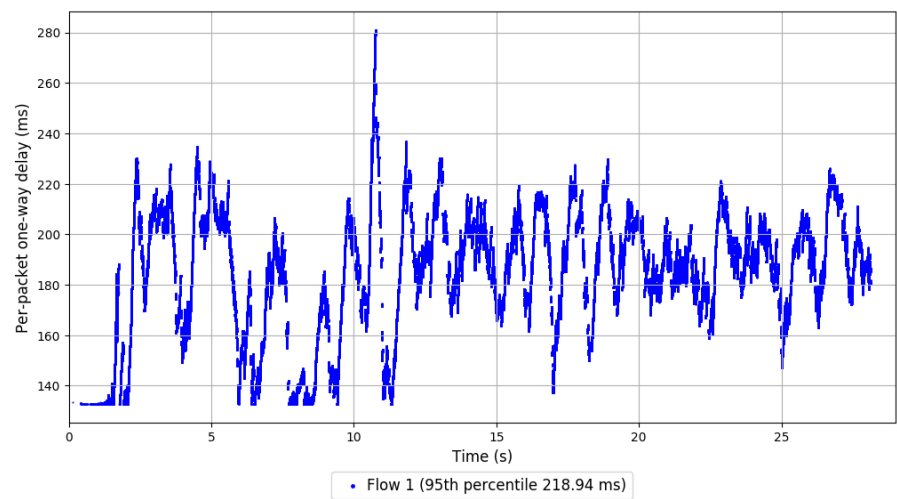
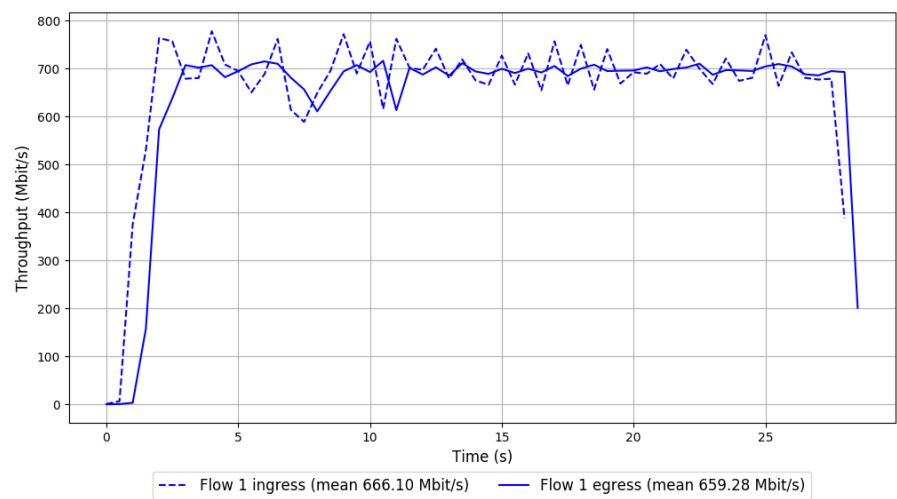
-- Flow 1:

Average throughput: 659.28 Mbit/s

95th percentile per-packet one-way delay: 218.937 ms

Loss rate: 1.95%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-09-18 12:43:39

End at: 2019-09-18 12:44:09

Local clock offset: -0.441 ms

Remote clock offset: 0.16 ms

Below is generated by plot.py at 2019-09-18 14:34:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 618.37 Mbit/s

95th percentile per-packet one-way delay: 231.524 ms

Loss rate: 3.14%

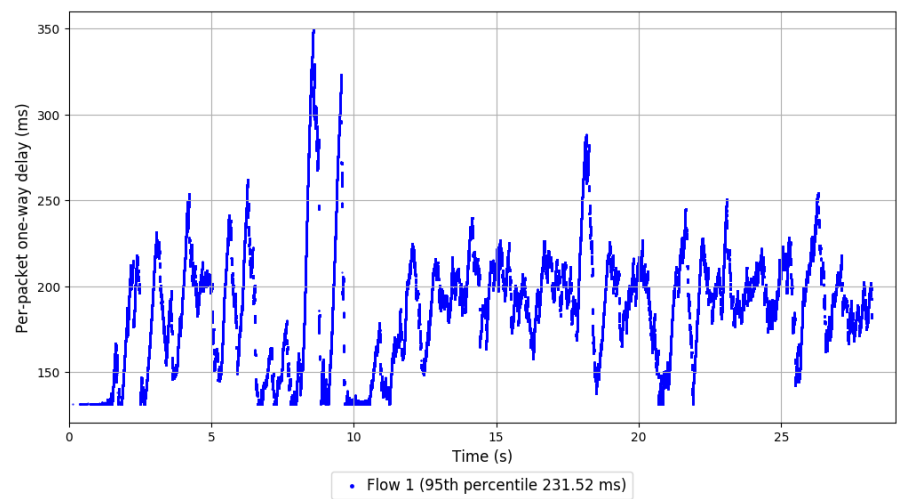
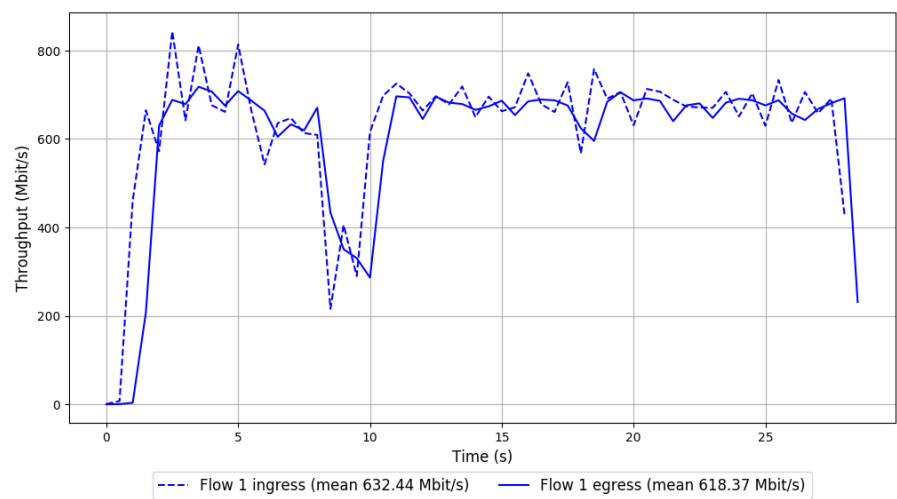
-- Flow 1:

Average throughput: 618.37 Mbit/s

95th percentile per-packet one-way delay: 231.524 ms

Loss rate: 3.14%

Run 5: Report of Indigo-MusesT — Data Link

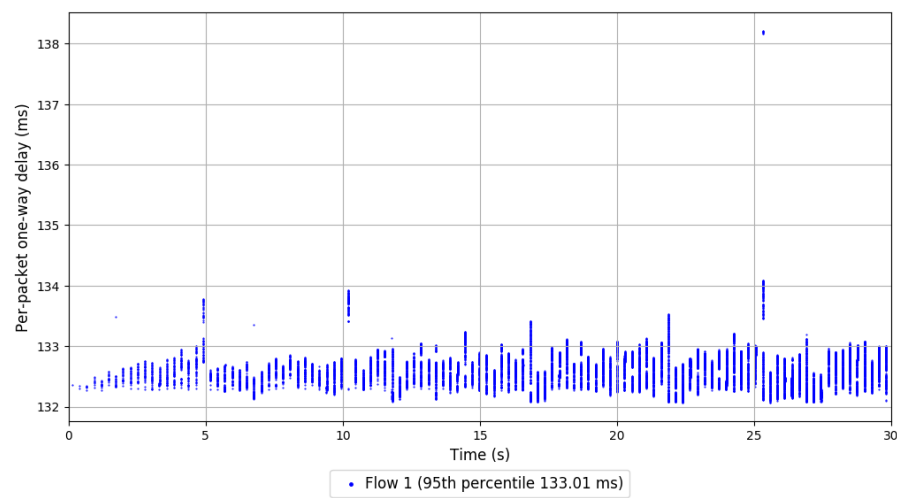
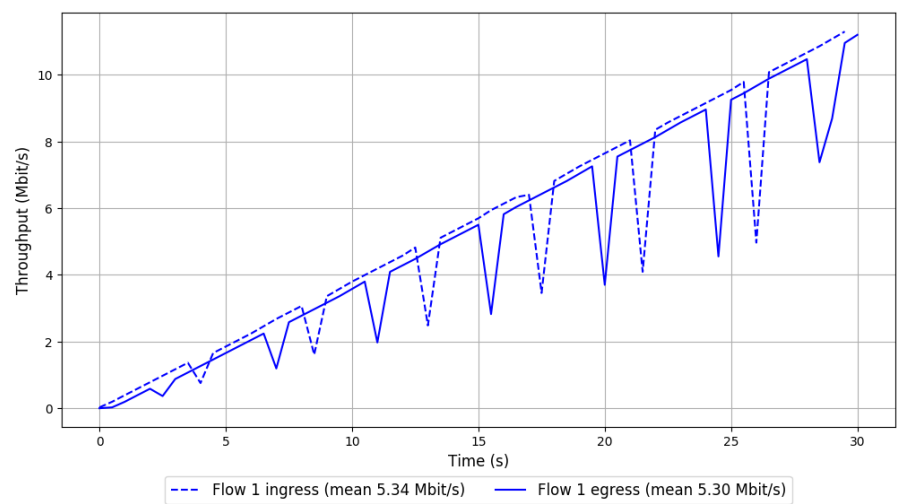


Run 1: Statistics of LEDBAT

Start at: 2019-09-18 10:36:38
End at: 2019-09-18 10:37:08
Local clock offset: -0.077 ms
Remote clock offset: -0.257 ms

Below is generated by plot.py at 2019-09-18 14:34:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.30 Mbit/s
95th percentile per-packet one-way delay: 133.009 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 5.30 Mbit/s
95th percentile per-packet one-way delay: 133.009 ms
Loss rate: 1.77%

Run 1: Report of LEDBAT — Data Link

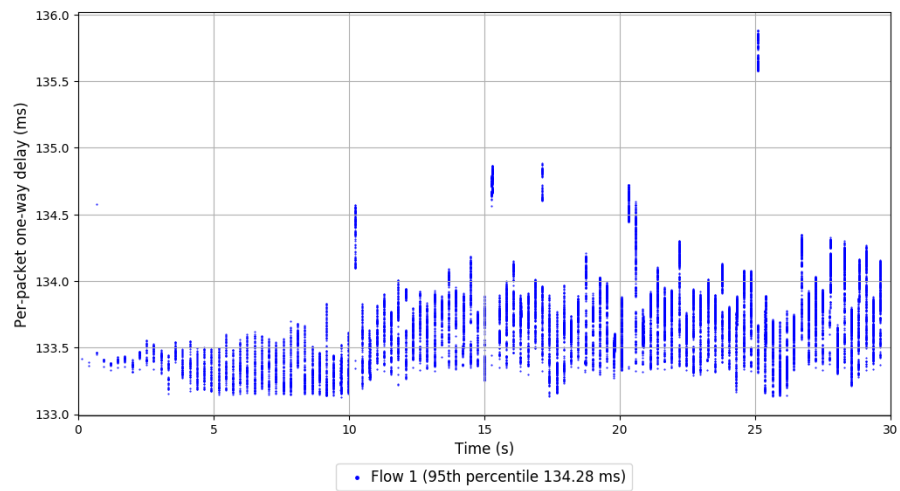
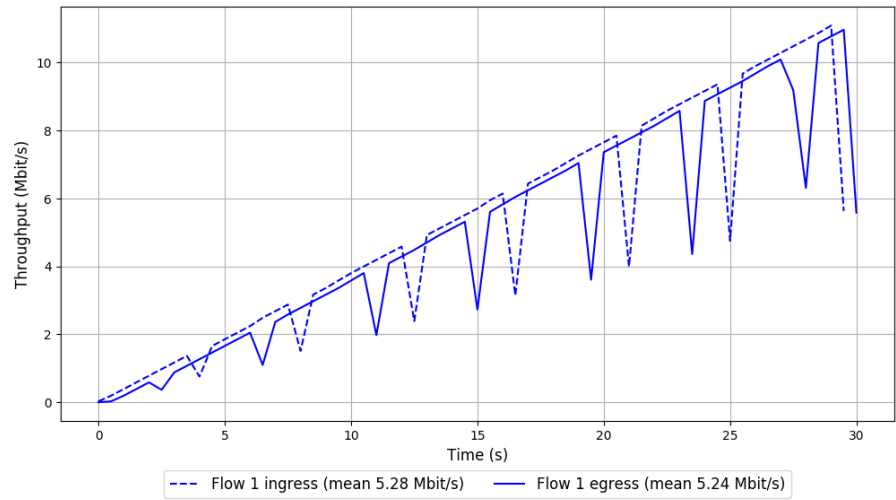


Run 2: Statistics of LEDBAT

Start at: 2019-09-18 11:13:18
End at: 2019-09-18 11:13:48
Local clock offset: 0.32 ms
Remote clock offset: -0.205 ms

Below is generated by plot.py at 2019-09-18 14:34:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.24 Mbit/s
95th percentile per-packet one-way delay: 134.280 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 5.24 Mbit/s
95th percentile per-packet one-way delay: 134.280 ms
Loss rate: 1.79%

Run 2: Report of LEDBAT — Data Link

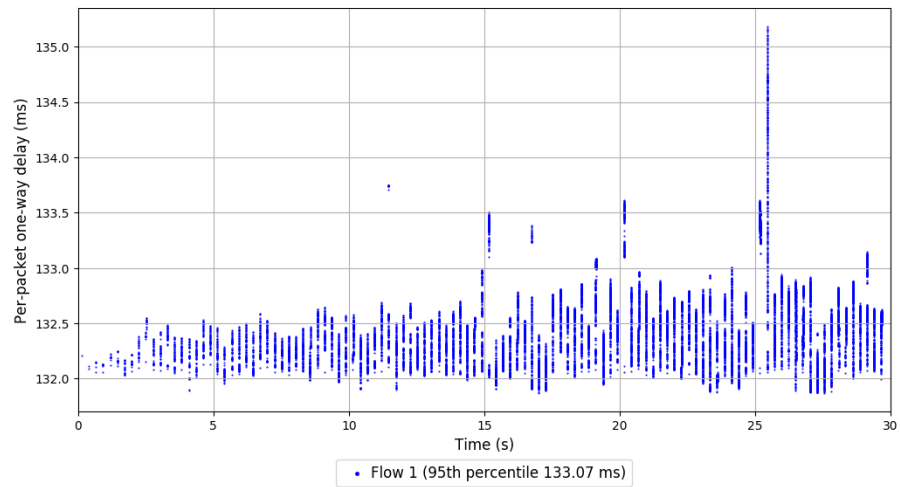
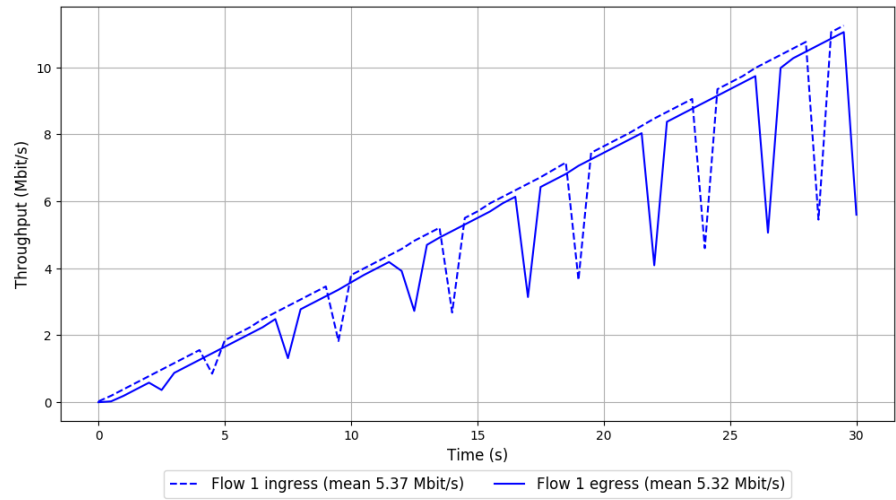


Run 3: Statistics of LEDBAT

Start at: 2019-09-18 11:50:17
End at: 2019-09-18 11:50:47
Local clock offset: -0.124 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2019-09-18 14:34:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.32 Mbit/s
95th percentile per-packet one-way delay: 133.070 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 5.32 Mbit/s
95th percentile per-packet one-way delay: 133.070 ms
Loss rate: 1.76%

Run 3: Report of LEDBAT — Data Link

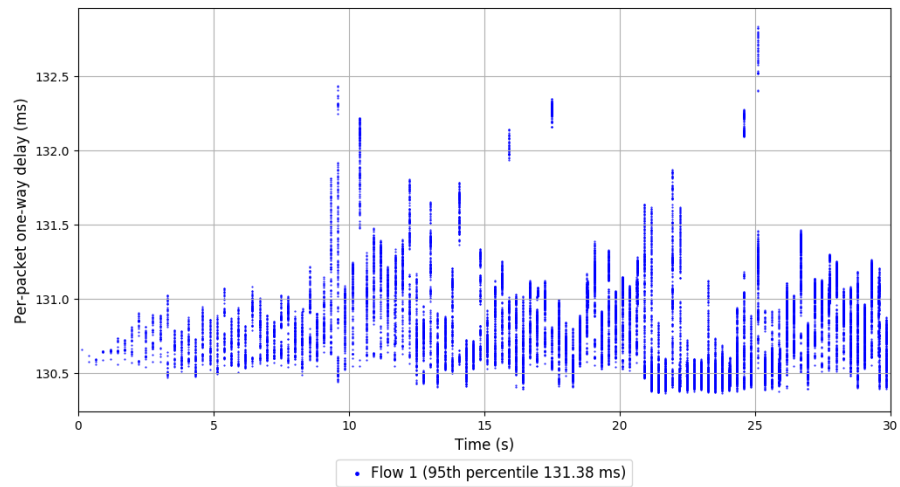
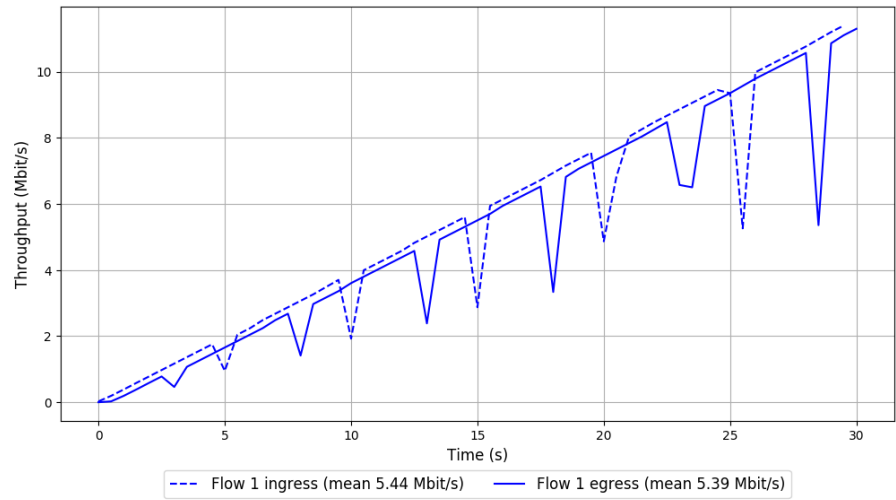


Run 4: Statistics of LEDBAT

Start at: 2019-09-18 12:26:53
End at: 2019-09-18 12:27:23
Local clock offset: 0.355 ms
Remote clock offset: -0.233 ms

Below is generated by plot.py at 2019-09-18 14:34:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.39 Mbit/s
95th percentile per-packet one-way delay: 131.380 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 5.39 Mbit/s
95th percentile per-packet one-way delay: 131.380 ms
Loss rate: 1.76%

Run 4: Report of LEDBAT — Data Link

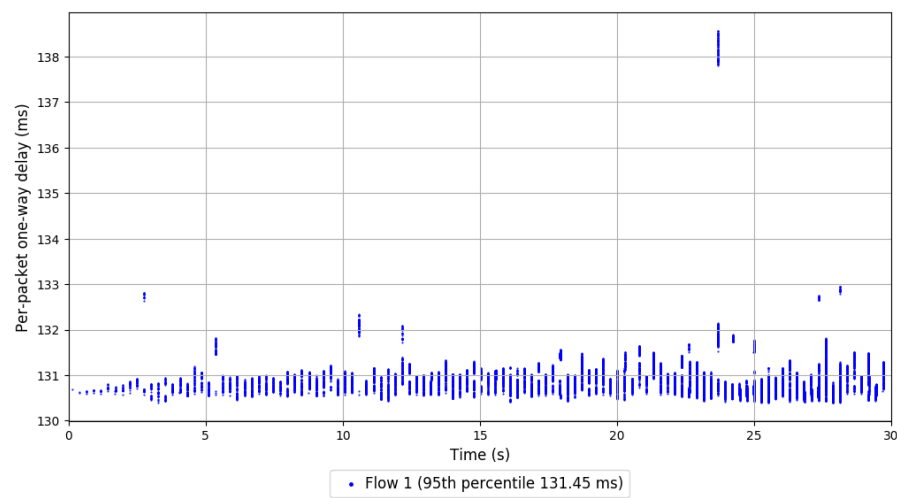
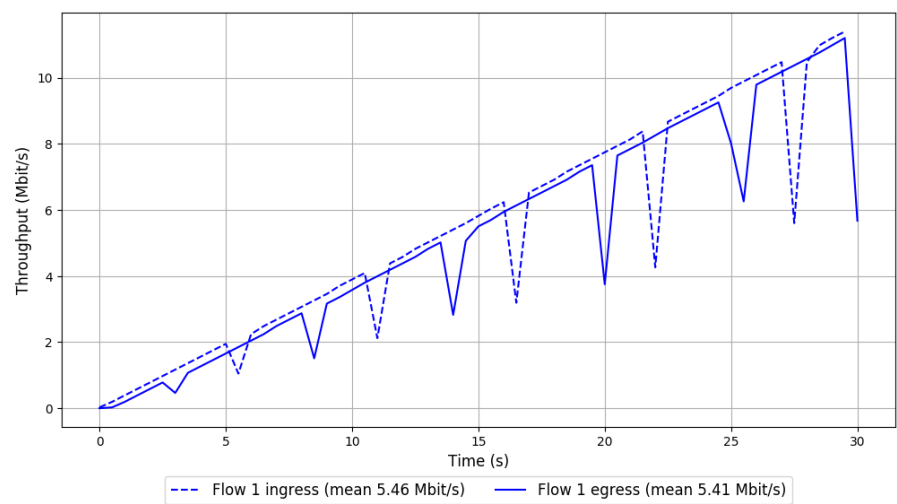


Run 5: Statistics of LEDBAT

Start at: 2019-09-18 13:03:09
End at: 2019-09-18 13:03:39
Local clock offset: 0.379 ms
Remote clock offset: -0.229 ms

Below is generated by plot.py at 2019-09-18 14:34:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.41 Mbit/s
95th percentile per-packet one-way delay: 131.452 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 5.41 Mbit/s
95th percentile per-packet one-way delay: 131.452 ms
Loss rate: 1.76%

Run 5: Report of LEDBAT — Data Link

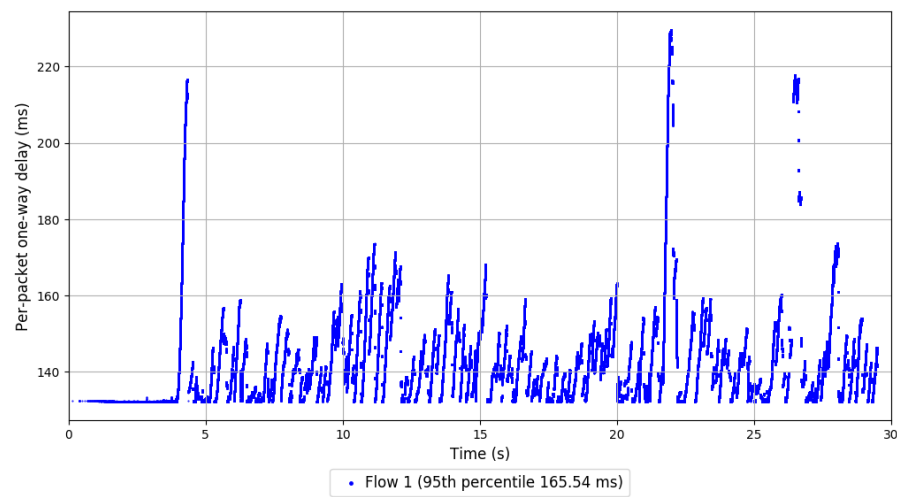
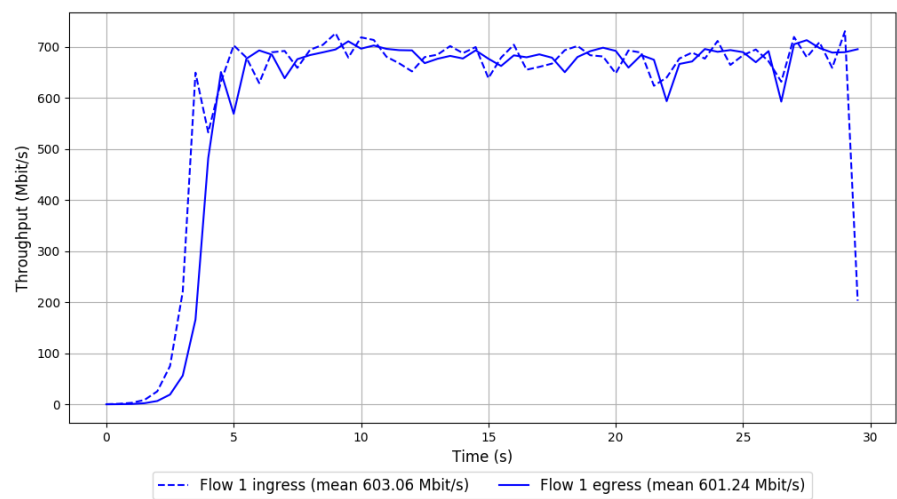


Run 1: Statistics of Muses_DecisionTree

Start at: 2019-09-18 10:25:57
End at: 2019-09-18 10:26:27
Local clock offset: 0.159 ms
Remote clock offset: -0.194 ms

Below is generated by plot.py at 2019-09-18 14:36:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 601.24 Mbit/s
95th percentile per-packet one-way delay: 165.540 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 601.24 Mbit/s
95th percentile per-packet one-way delay: 165.540 ms
Loss rate: 1.19%

Run 1: Report of Muses_DecisionTree — Data Link

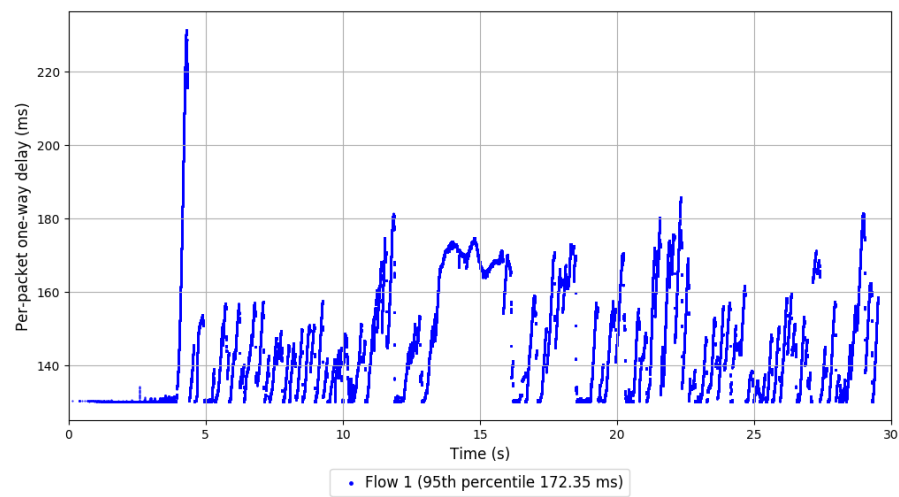
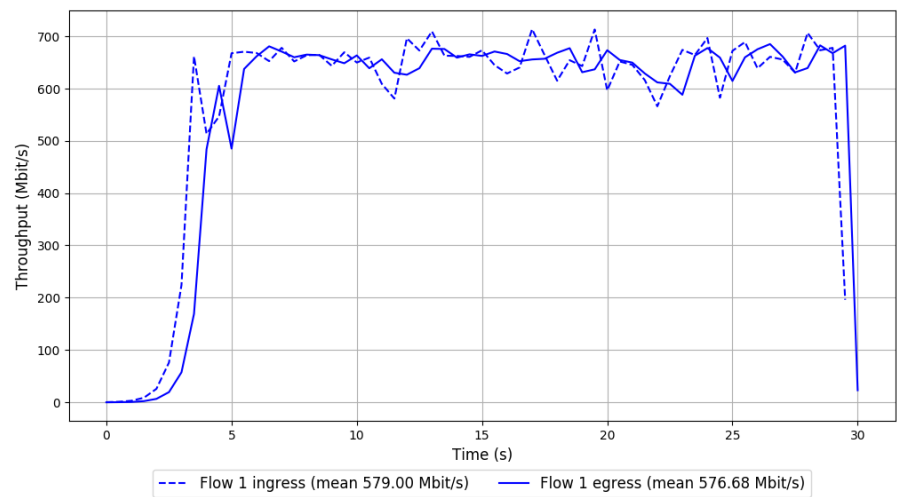


Run 2: Statistics of Muses_DecisionTree

Start at: 2019-09-18 11:02:35
End at: 2019-09-18 11:03:05
Local clock offset: 0.008 ms
Remote clock offset: -0.254 ms

Below is generated by plot.py at 2019-09-18 14:36:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 576.68 Mbit/s
95th percentile per-packet one-way delay: 172.351 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 576.68 Mbit/s
95th percentile per-packet one-way delay: 172.351 ms
Loss rate: 1.28%

Run 2: Report of Muses_DecisionTree — Data Link

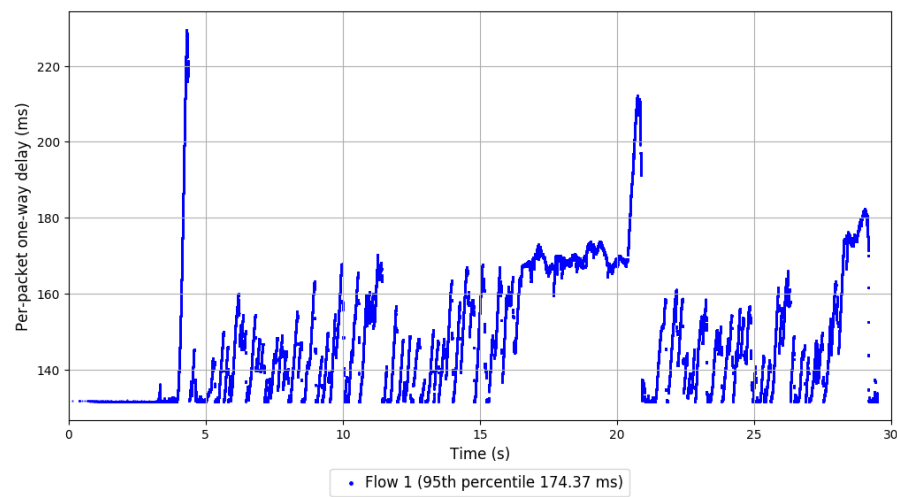
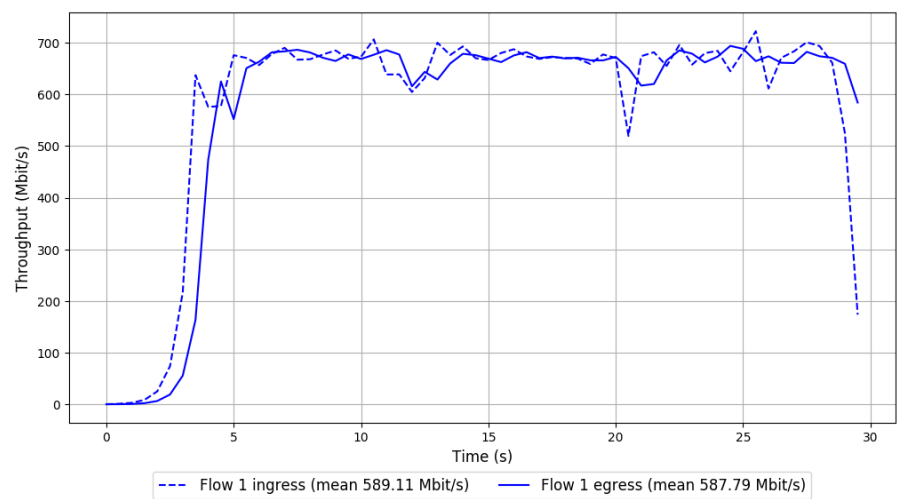


Run 3: Statistics of Muses_DecisionTree

Start at: 2019-09-18 11:39:35
End at: 2019-09-18 11:40:05
Local clock offset: -0.516 ms
Remote clock offset: -0.237 ms

Below is generated by plot.py at 2019-09-18 14:36:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 587.79 Mbit/s
95th percentile per-packet one-way delay: 174.366 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 587.79 Mbit/s
95th percentile per-packet one-way delay: 174.366 ms
Loss rate: 1.12%

Run 3: Report of Muses_DecisionTree — Data Link

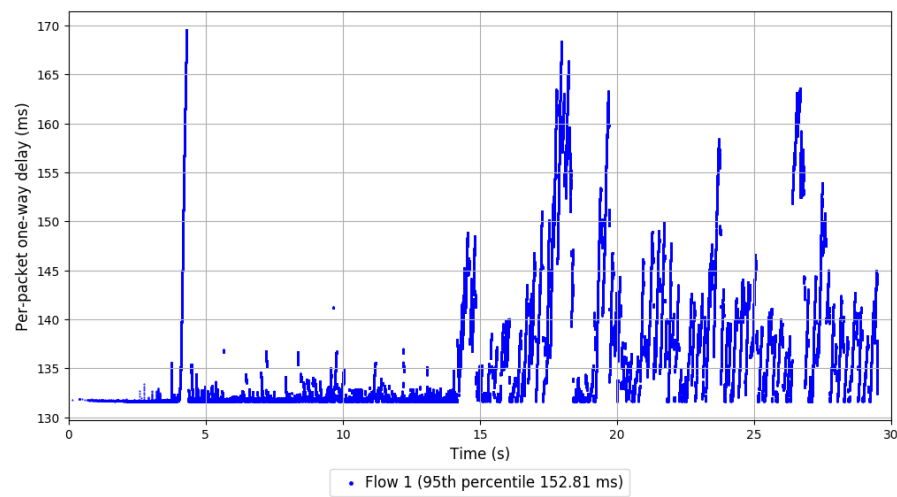
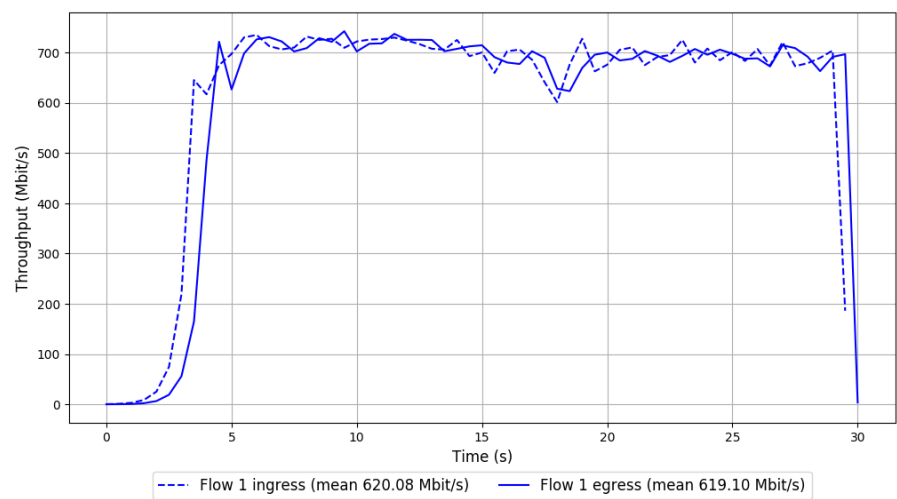


Run 4: Statistics of Muses_DecisionTree

Start at: 2019-09-18 12:16:16
End at: 2019-09-18 12:16:46
Local clock offset: -0.497 ms
Remote clock offset: -0.204 ms

Below is generated by plot.py at 2019-09-18 14:38:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 619.10 Mbit/s
95th percentile per-packet one-way delay: 152.805 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 619.10 Mbit/s
95th percentile per-packet one-way delay: 152.805 ms
Loss rate: 1.05%

Run 4: Report of Muses_DecisionTree — Data Link

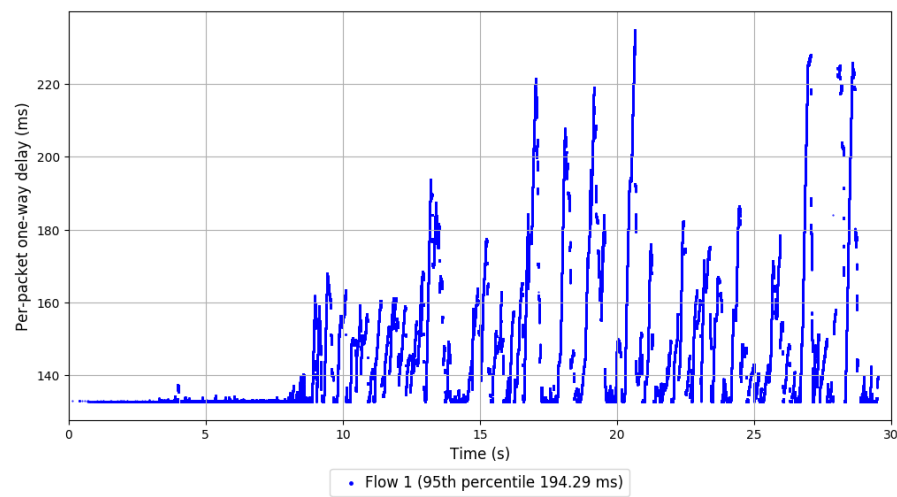
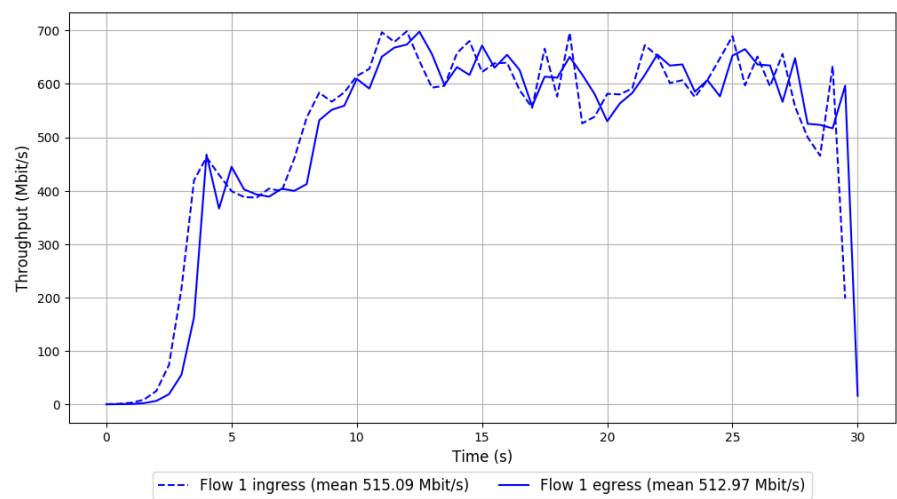


Run 5: Statistics of Muses_DecisionTree

Start at: 2019-09-18 12:52:30
End at: 2019-09-18 12:53:00
Local clock offset: -0.263 ms
Remote clock offset: -0.231 ms

Below is generated by plot.py at 2019-09-18 14:42:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 512.97 Mbit/s
95th percentile per-packet one-way delay: 194.287 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 512.97 Mbit/s
95th percentile per-packet one-way delay: 194.287 ms
Loss rate: 1.31%

Run 5: Report of Muses_DecisionTree — Data Link

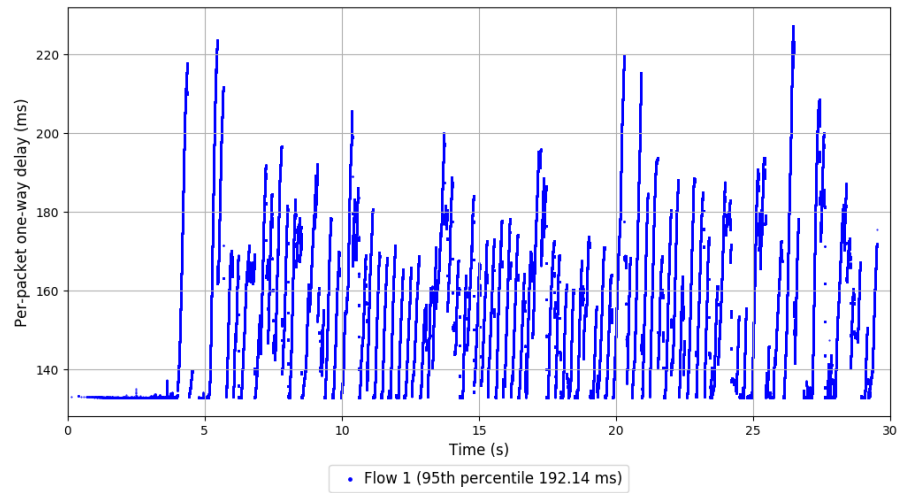
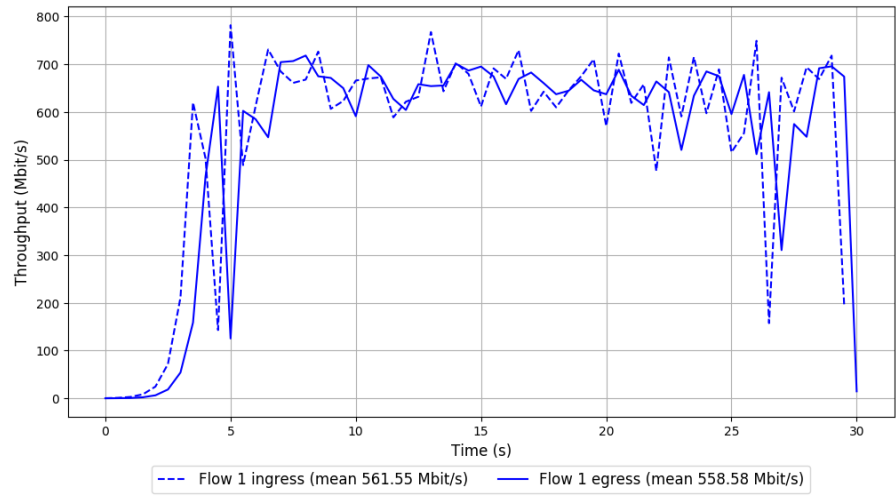


```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-09-18 10:24:15
End at: 2019-09-18 10:24:45
Local clock offset: -0.1 ms
Remote clock offset: -0.317 ms

# Below is generated by plot.py at 2019-09-18 14:43:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 558.58 Mbit/s
95th percentile per-packet one-way delay: 192.140 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 558.58 Mbit/s
95th percentile per-packet one-way delay: 192.140 ms
Loss rate: 1.40%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link

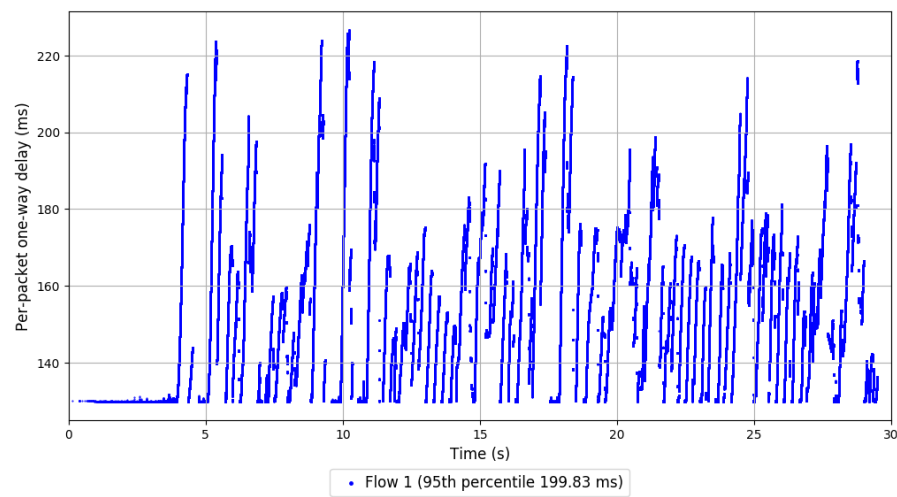
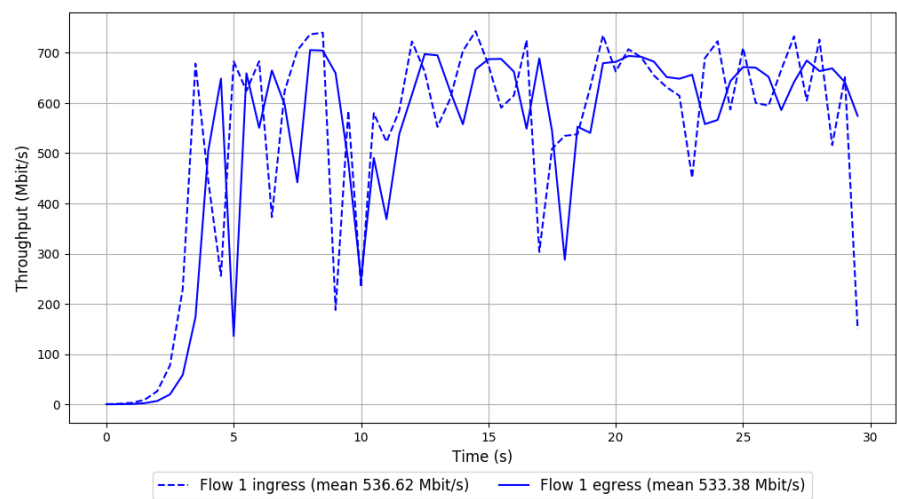


Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2019-09-18 11:00:55
End at: 2019-09-18 11:01:25
Local clock offset: -0.247 ms
Remote clock offset: -0.125 ms

Below is generated by plot.py at 2019-09-18 14:43:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 533.38 Mbit/s
95th percentile per-packet one-way delay: 199.830 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 533.38 Mbit/s
95th percentile per-packet one-way delay: 199.830 ms
Loss rate: 1.48%

Run 2: Report of Muses_DecisionTreeH0 — Data Link

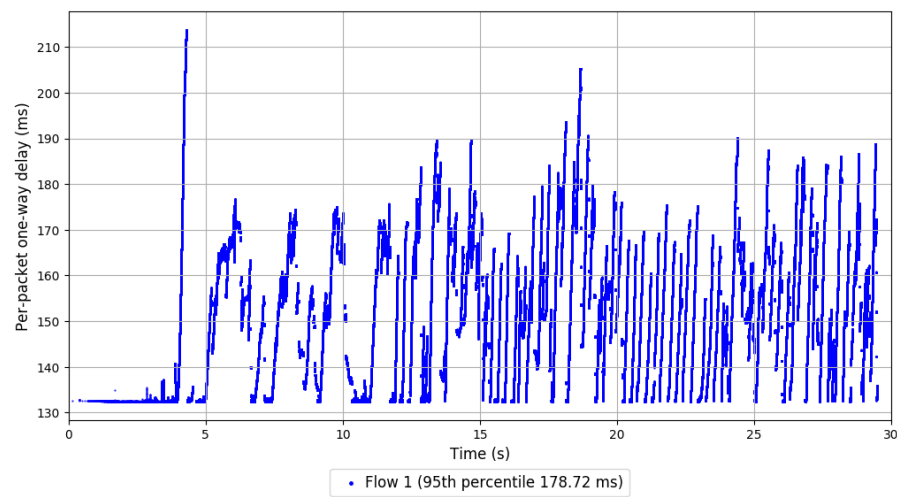
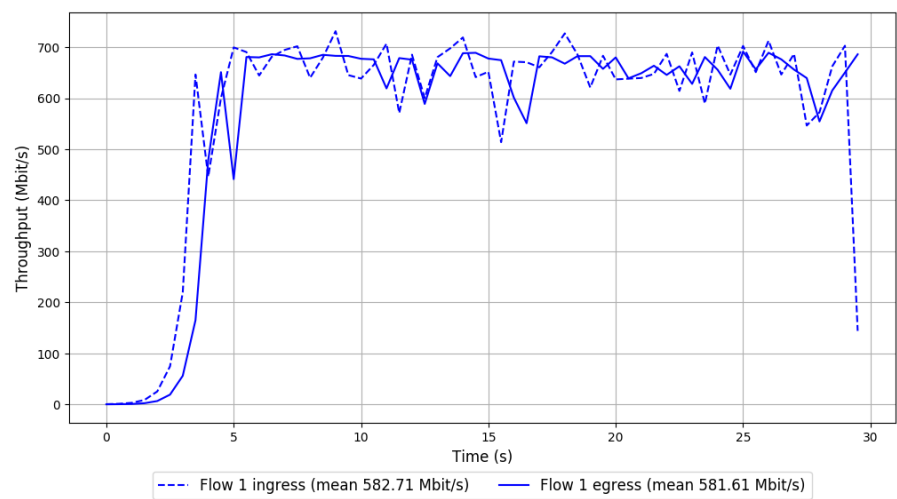


Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2019-09-18 11:37:52
End at: 2019-09-18 11:38:22
Local clock offset: 0.303 ms
Remote clock offset: -0.237 ms

Below is generated by plot.py at 2019-09-18 14:44:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 581.61 Mbit/s
95th percentile per-packet one-way delay: 178.717 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 581.61 Mbit/s
95th percentile per-packet one-way delay: 178.717 ms
Loss rate: 1.10%

Run 3: Report of Muses_DecisionTreeH0 — Data Link



Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2019-09-18 12:14:48

End at: 2019-09-18 12:15:18

Local clock offset: -0.132 ms

Remote clock offset: 0.149 ms

Below is generated by plot.py at 2019-09-18 14:44:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 292.96 Mbit/s

95th percentile per-packet one-way delay: 254.106 ms

Loss rate: 13.27%

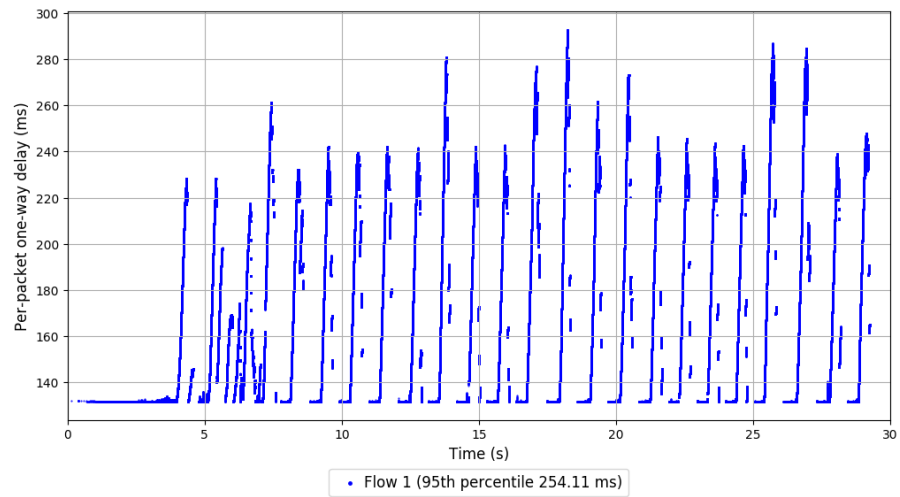
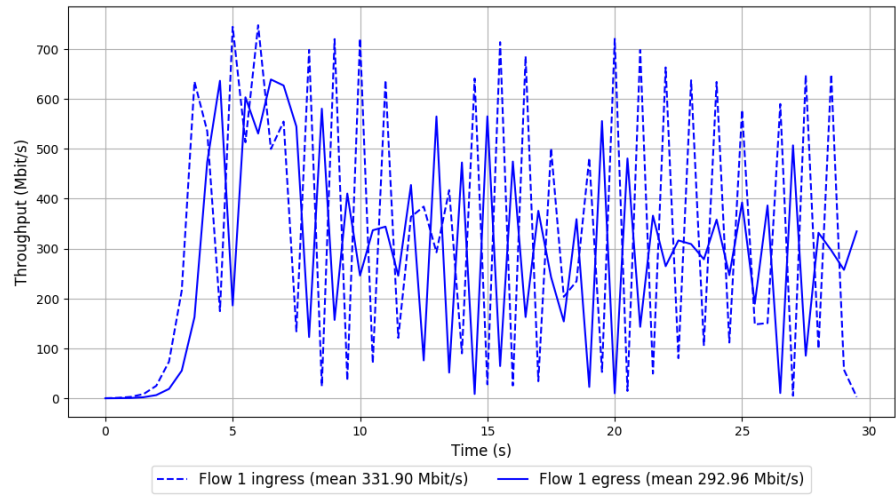
-- Flow 1:

Average throughput: 292.96 Mbit/s

95th percentile per-packet one-way delay: 254.106 ms

Loss rate: 13.27%

Run 4: Report of Muses_DecisionTreeH0 — Data Link



Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2019-09-18 12:50:58

End at: 2019-09-18 12:51:28

Local clock offset: 0.013 ms

Remote clock offset: -0.22 ms

Below is generated by plot.py at 2019-09-18 14:44:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 363.93 Mbit/s

95th percentile per-packet one-way delay: 232.320 ms

Loss rate: 8.50%

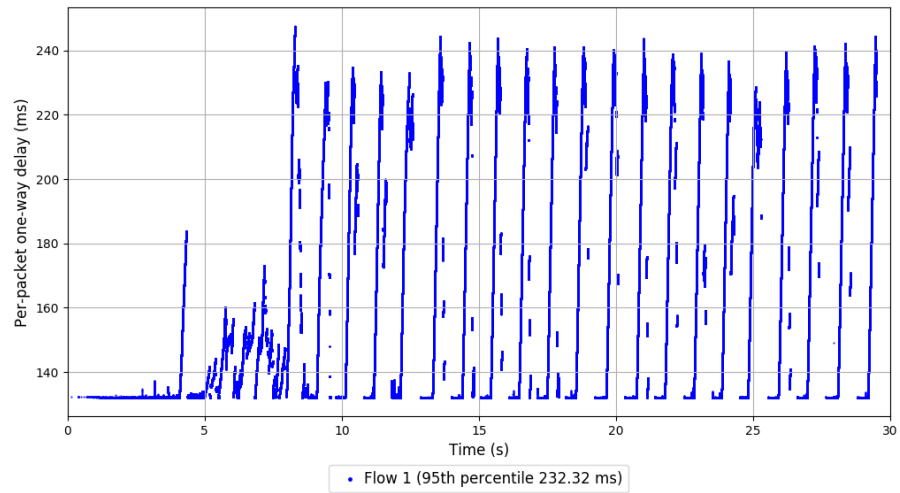
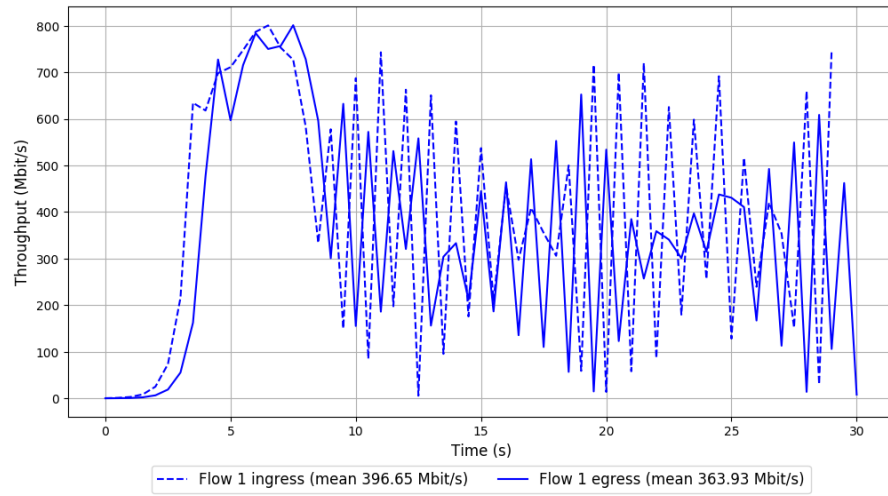
-- Flow 1:

Average throughput: 363.93 Mbit/s

95th percentile per-packet one-way delay: 232.320 ms

Loss rate: 8.50%

Run 5: Report of Muses_DecisionTreeH0 — Data Link

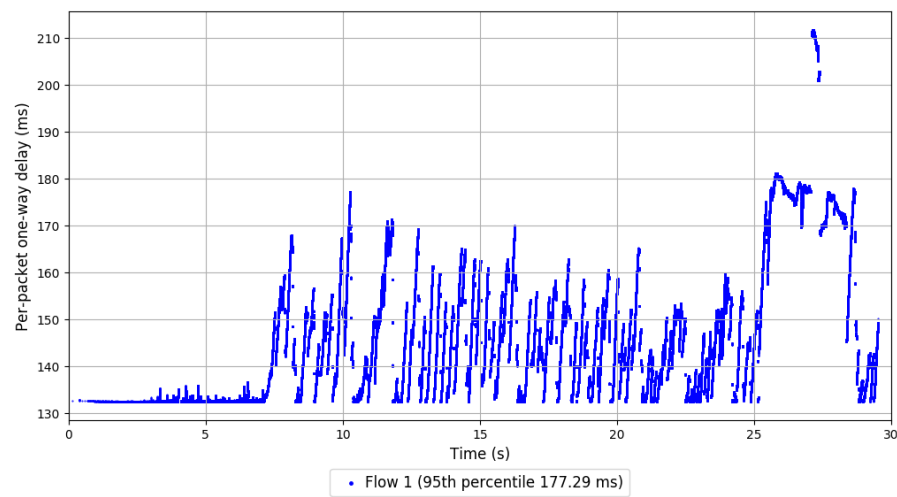
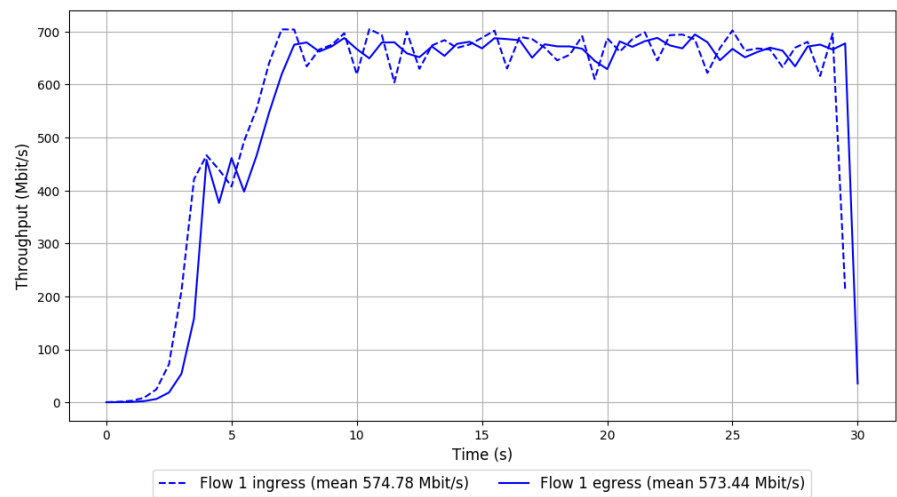


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-09-18 10:45:12
End at: 2019-09-18 10:45:42
Local clock offset: 0.173 ms
Remote clock offset: -0.162 ms

# Below is generated by plot.py at 2019-09-18 14:46:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 573.44 Mbit/s
95th percentile per-packet one-way delay: 177.292 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 573.44 Mbit/s
95th percentile per-packet one-way delay: 177.292 ms
Loss rate: 1.12%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

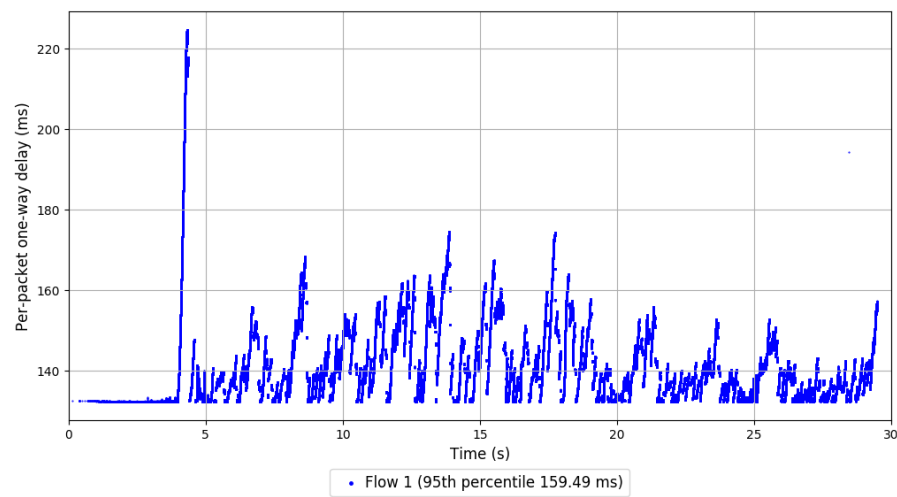
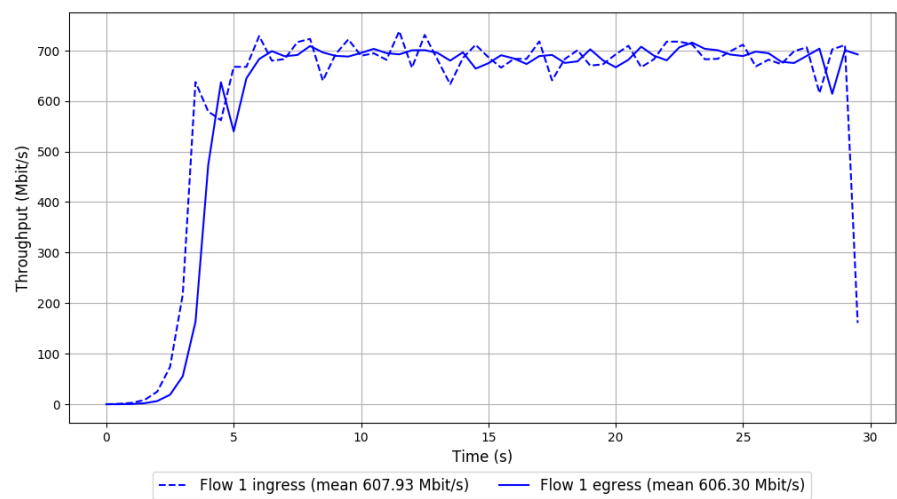


Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2019-09-18 11:21:51
End at: 2019-09-18 11:22:21
Local clock offset: -0.075 ms
Remote clock offset: -0.275 ms

Below is generated by plot.py at 2019-09-18 14:50:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 606.30 Mbit/s
95th percentile per-packet one-way delay: 159.490 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 606.30 Mbit/s
95th percentile per-packet one-way delay: 159.490 ms
Loss rate: 1.14%

Run 2: Report of Muses_DecisionTreeR0 — Data Link

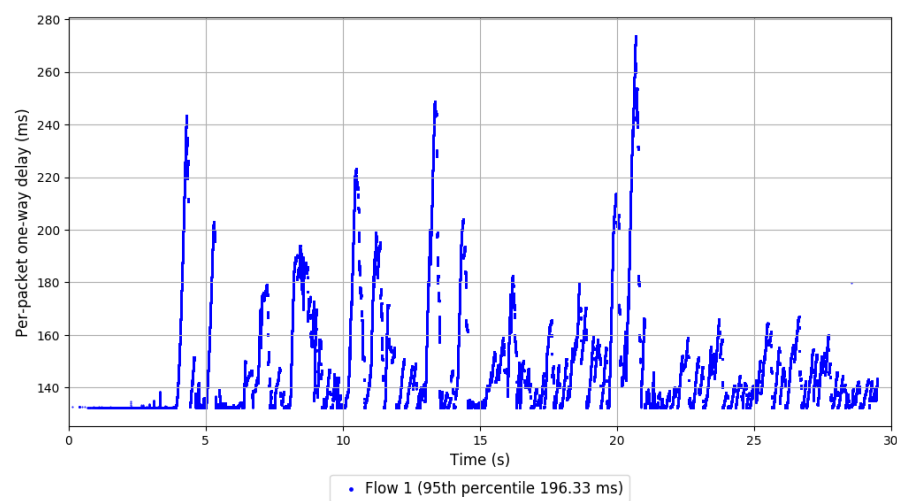
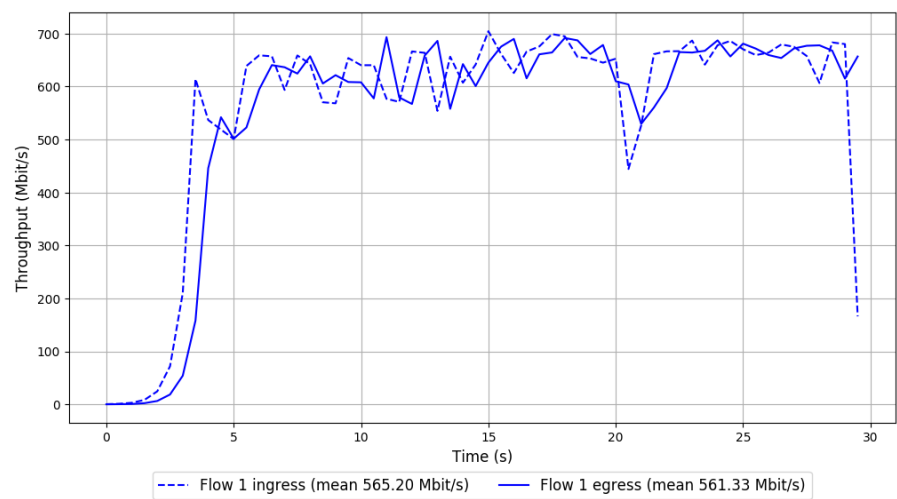


Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2019-09-18 11:58:46
End at: 2019-09-18 11:59:16
Local clock offset: -0.141 ms
Remote clock offset: -0.228 ms

Below is generated by plot.py at 2019-09-18 14:51:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 561.33 Mbit/s
95th percentile per-packet one-way delay: 196.328 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 561.33 Mbit/s
95th percentile per-packet one-way delay: 196.328 ms
Loss rate: 1.57%

Run 3: Report of Muses_DecisionTreeR0 — Data Link

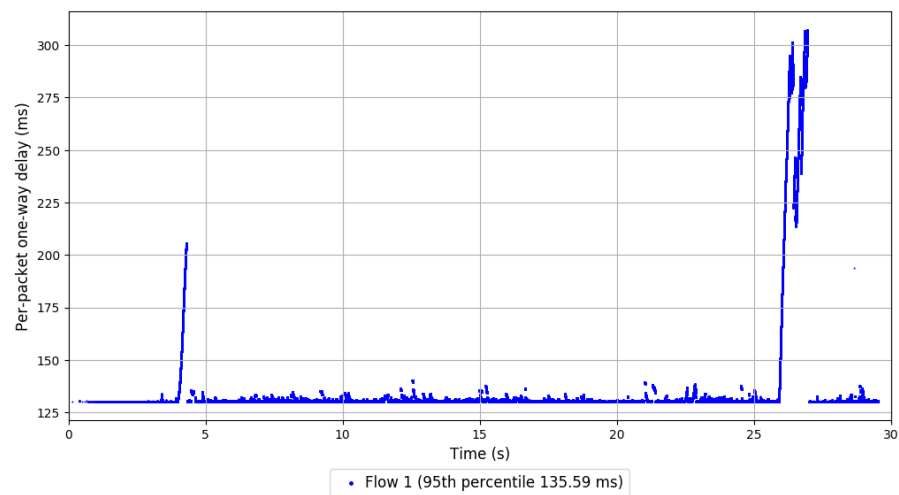
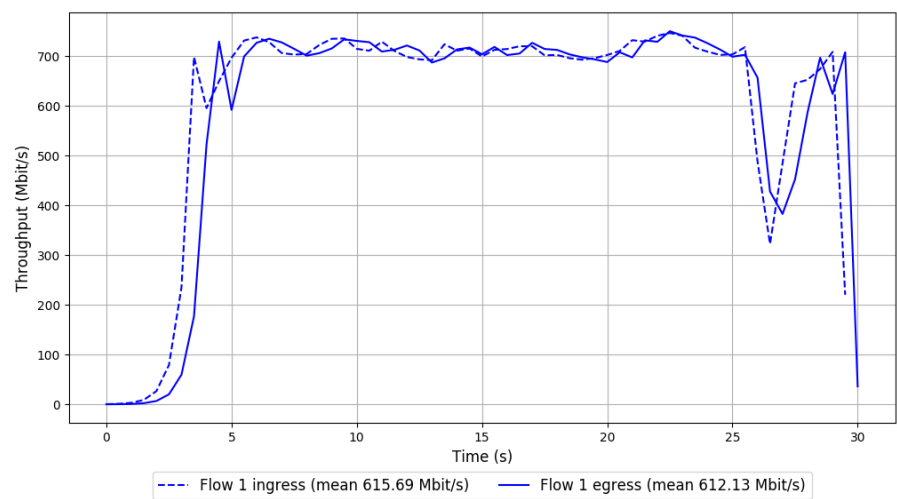


Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2019-09-18 12:35:20
End at: 2019-09-18 12:35:50
Local clock offset: 0.147 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2019-09-18 14:53:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 612.13 Mbit/s
95th percentile per-packet one-way delay: 135.591 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 612.13 Mbit/s
95th percentile per-packet one-way delay: 135.591 ms
Loss rate: 1.45%

Run 4: Report of Muses_DecisionTreeR0 — Data Link

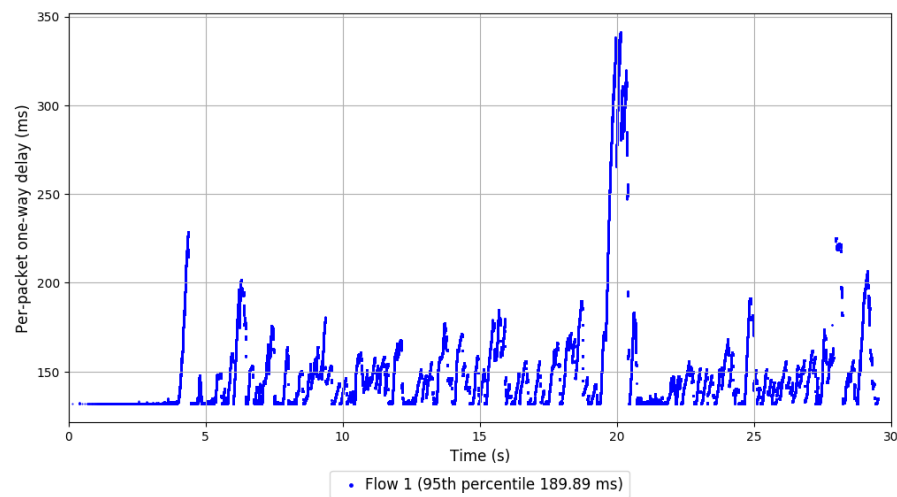
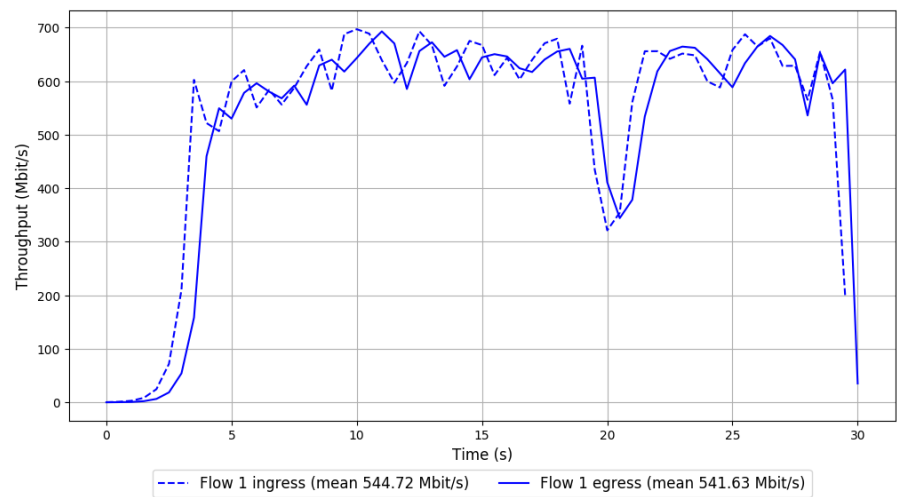


Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2019-09-18 13:11:39
End at: 2019-09-18 13:12:09
Local clock offset: -0.278 ms
Remote clock offset: -0.215 ms

Below is generated by plot.py at 2019-09-18 14:53:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 541.63 Mbit/s
95th percentile per-packet one-way delay: 189.893 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 541.63 Mbit/s
95th percentile per-packet one-way delay: 189.893 ms
Loss rate: 1.45%

Run 5: Report of Muses_DecisionTreeR0 — Data Link

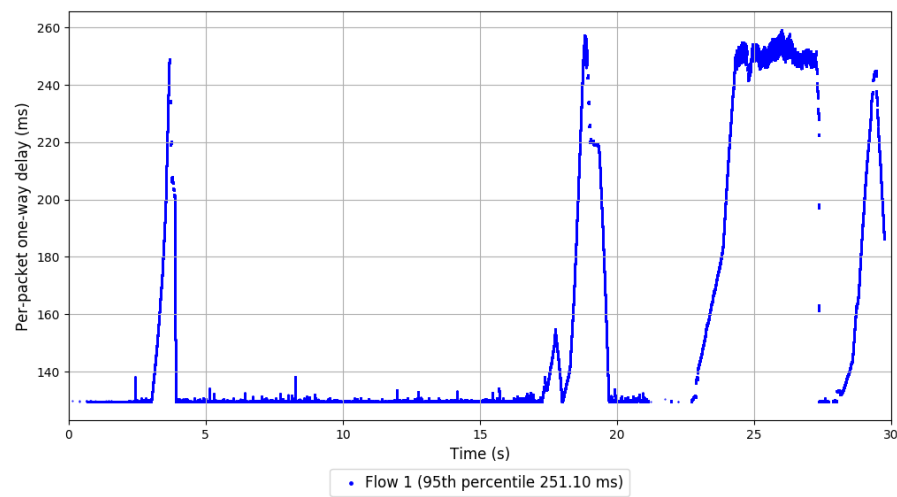
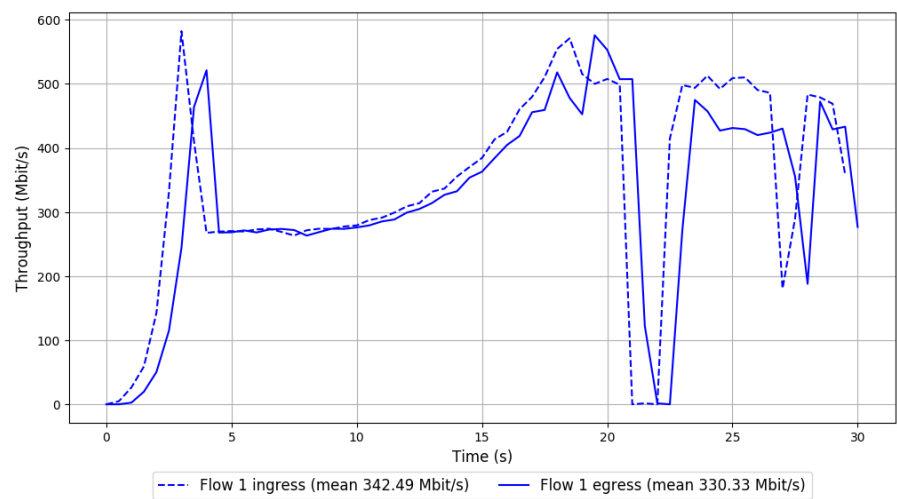


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-09-18 10:14:58
End at: 2019-09-18 10:15:28
Local clock offset: -0.029 ms
Remote clock offset: 0.185 ms

# Below is generated by plot.py at 2019-09-18 14:54:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 330.33 Mbit/s
95th percentile per-packet one-way delay: 251.102 ms
Loss rate: 4.40%
-- Flow 1:
Average throughput: 330.33 Mbit/s
95th percentile per-packet one-way delay: 251.102 ms
Loss rate: 4.40%
```

Run 1: Report of PCC-Allegro — Data Link

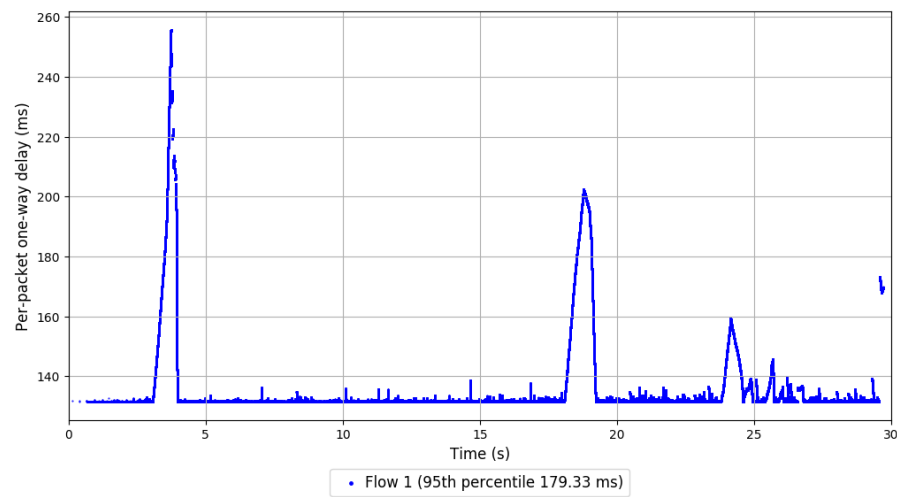
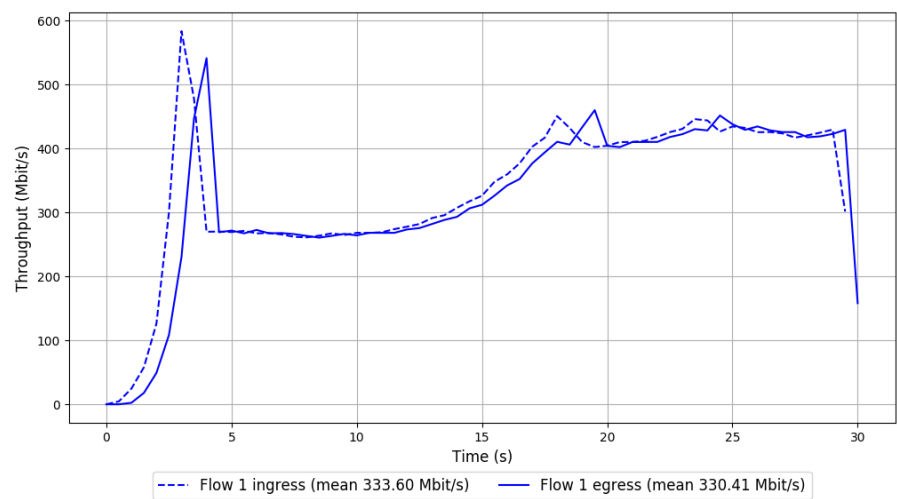


Run 2: Statistics of PCC-Allegro

Start at: 2019-09-18 10:51:26
End at: 2019-09-18 10:51:56
Local clock offset: -0.448 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2019-09-18 14:55:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 330.41 Mbit/s
95th percentile per-packet one-way delay: 179.326 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 330.41 Mbit/s
95th percentile per-packet one-way delay: 179.326 ms
Loss rate: 1.83%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-09-18 11:28:19

End at: 2019-09-18 11:28:49

Local clock offset: 0.322 ms

Remote clock offset: -0.173 ms

Below is generated by plot.py at 2019-09-18 14:55:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 333.48 Mbit/s

95th percentile per-packet one-way delay: 273.011 ms

Loss rate: 4.38%

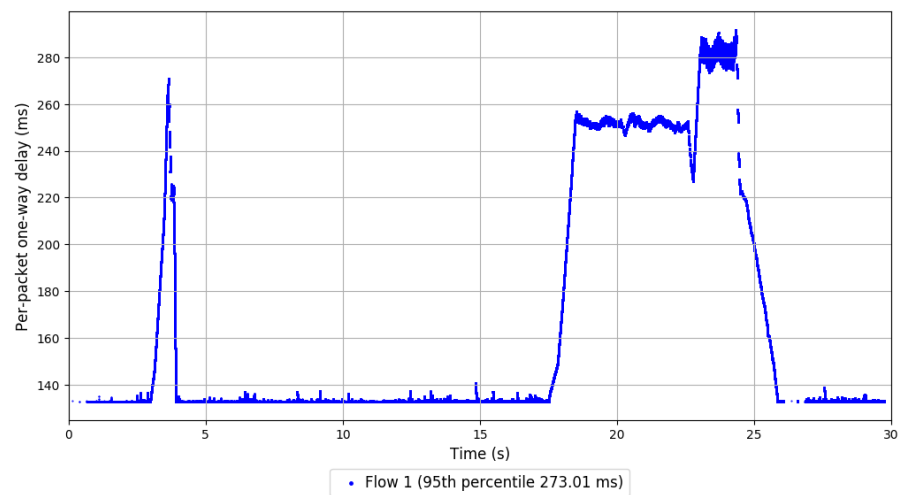
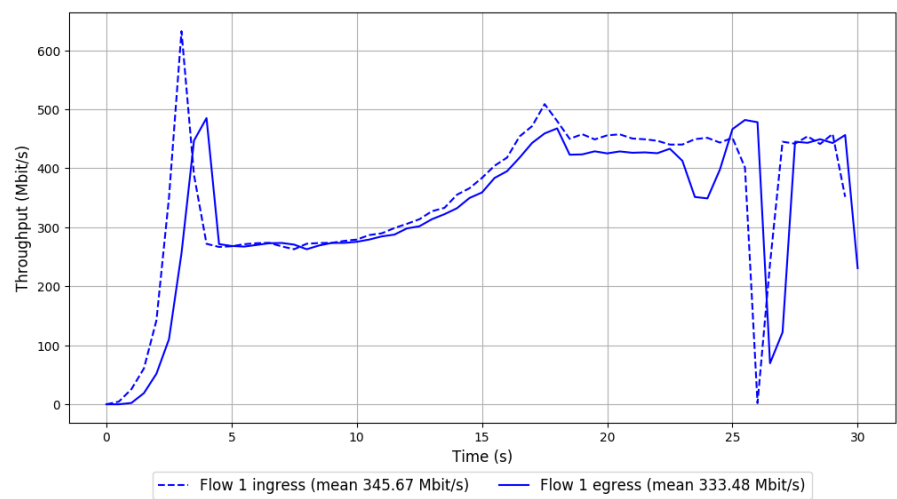
-- Flow 1:

Average throughput: 333.48 Mbit/s

95th percentile per-packet one-way delay: 273.011 ms

Loss rate: 4.38%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-09-18 12:05:26

End at: 2019-09-18 12:05:56

Local clock offset: -0.572 ms

Remote clock offset: -0.19 ms

Below is generated by plot.py at 2019-09-18 14:57:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 312.76 Mbit/s

95th percentile per-packet one-way delay: 251.982 ms

Loss rate: 3.14%

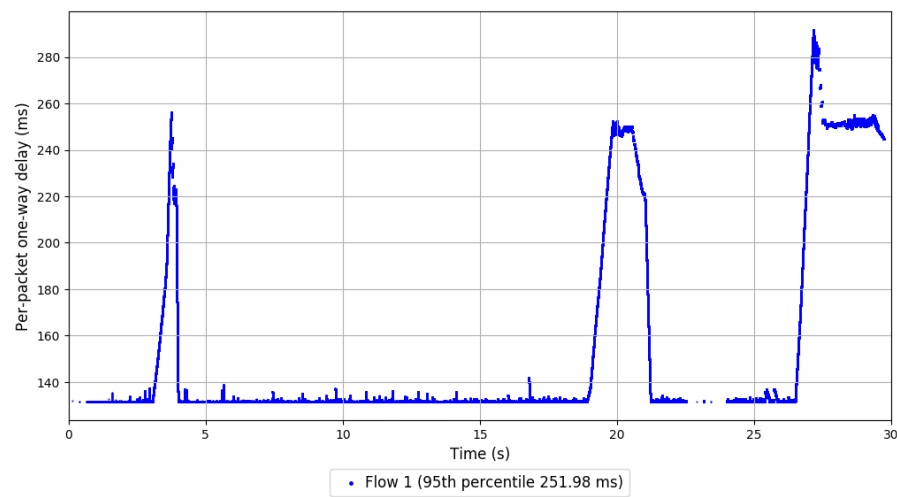
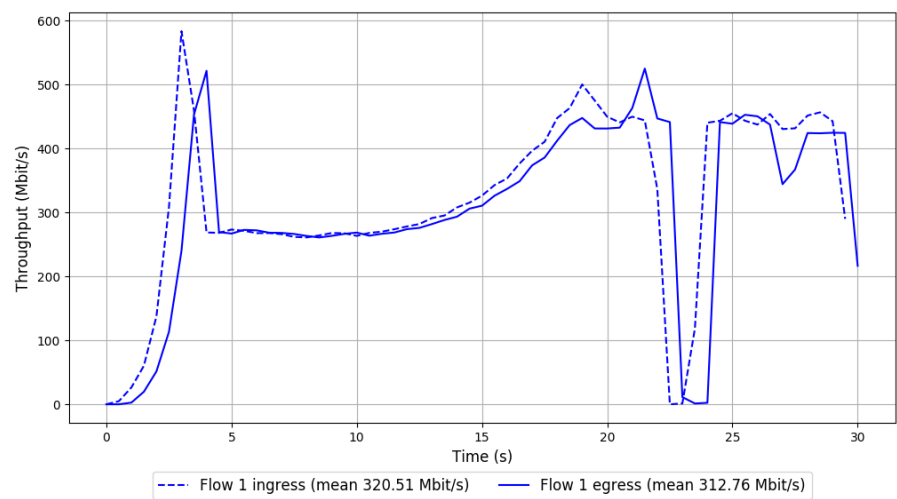
-- Flow 1:

Average throughput: 312.76 Mbit/s

95th percentile per-packet one-way delay: 251.982 ms

Loss rate: 3.14%

Run 4: Report of PCC-Allegro — Data Link

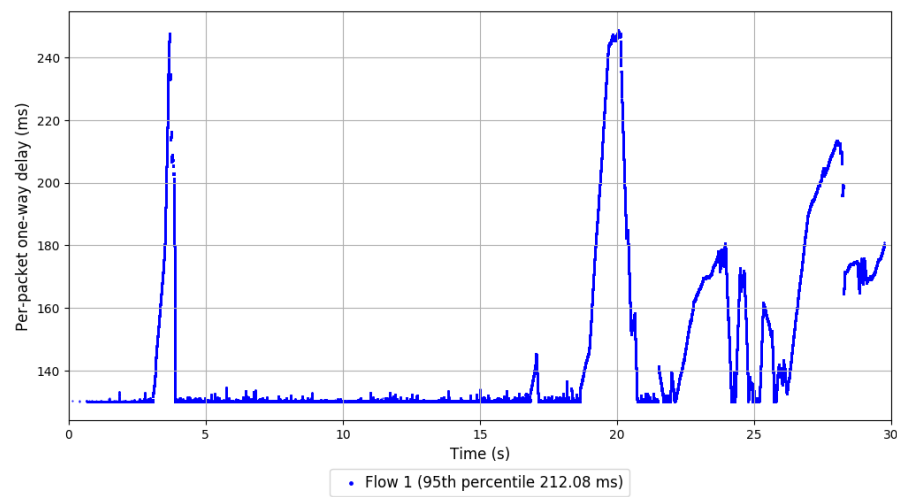
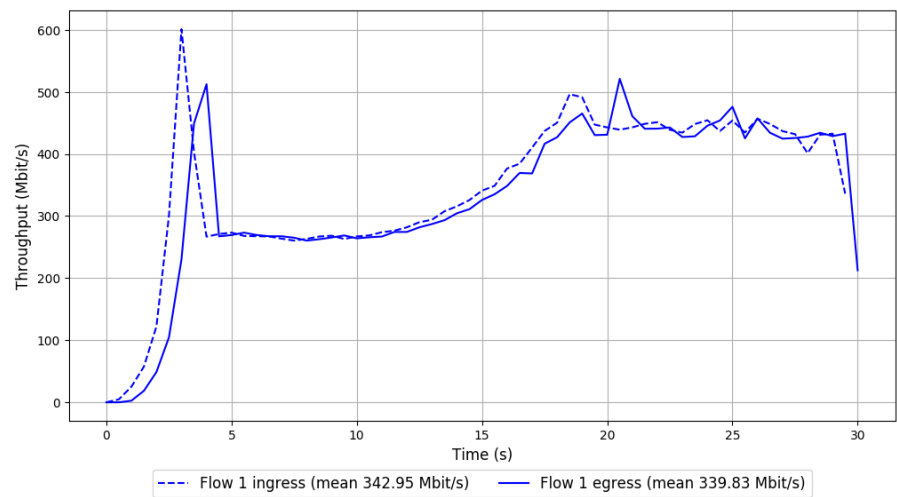


Run 5: Statistics of PCC-Allegro

Start at: 2019-09-18 12:42:03
End at: 2019-09-18 12:42:33
Local clock offset: 0.168 ms
Remote clock offset: -0.221 ms

Below is generated by plot.py at 2019-09-18 15:02:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 339.83 Mbit/s
95th percentile per-packet one-way delay: 212.079 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 339.83 Mbit/s
95th percentile per-packet one-way delay: 212.079 ms
Loss rate: 1.78%

Run 5: Report of PCC-Allegro — Data Link

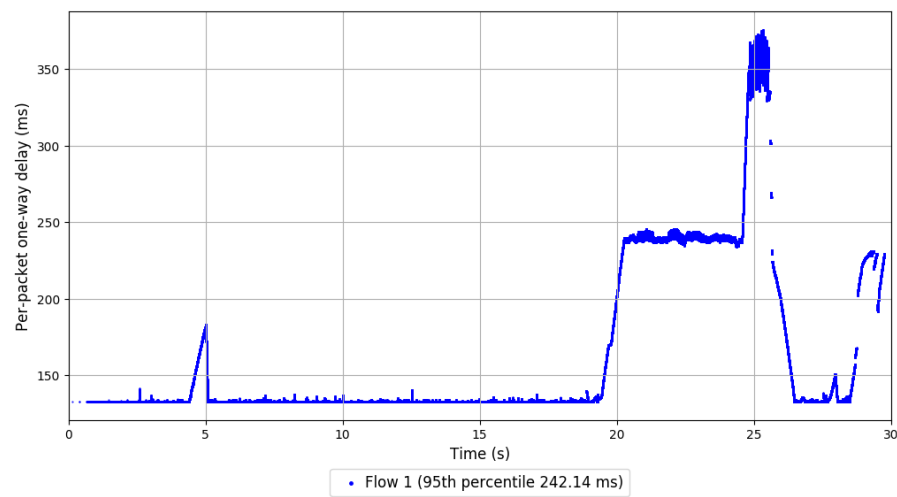
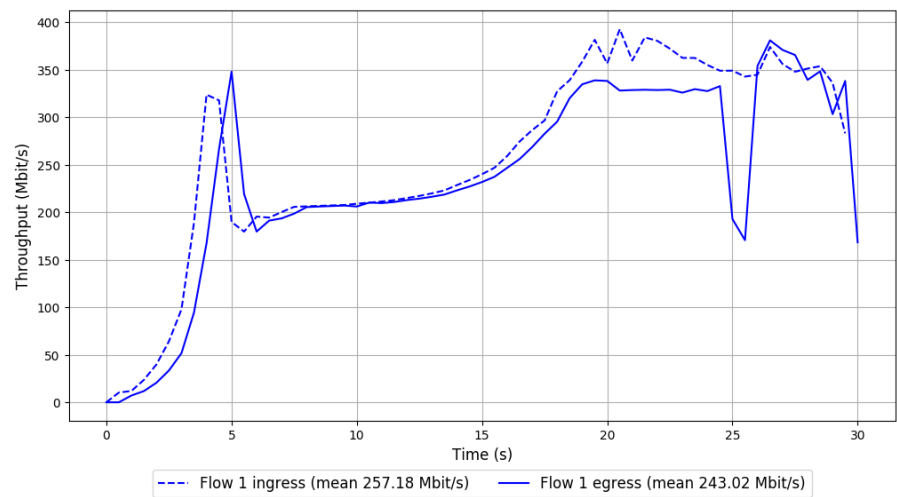


Run 1: Statistics of PCC-Expr

Start at: 2019-09-18 10:46:54
End at: 2019-09-18 10:47:24
Local clock offset: -0.047 ms
Remote clock offset: -0.245 ms

Below is generated by plot.py at 2019-09-18 15:02:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 243.02 Mbit/s
95th percentile per-packet one-way delay: 242.144 ms
Loss rate: 6.35%
-- Flow 1:
Average throughput: 243.02 Mbit/s
95th percentile per-packet one-way delay: 242.144 ms
Loss rate: 6.35%

Run 1: Report of PCC-Expr — Data Link

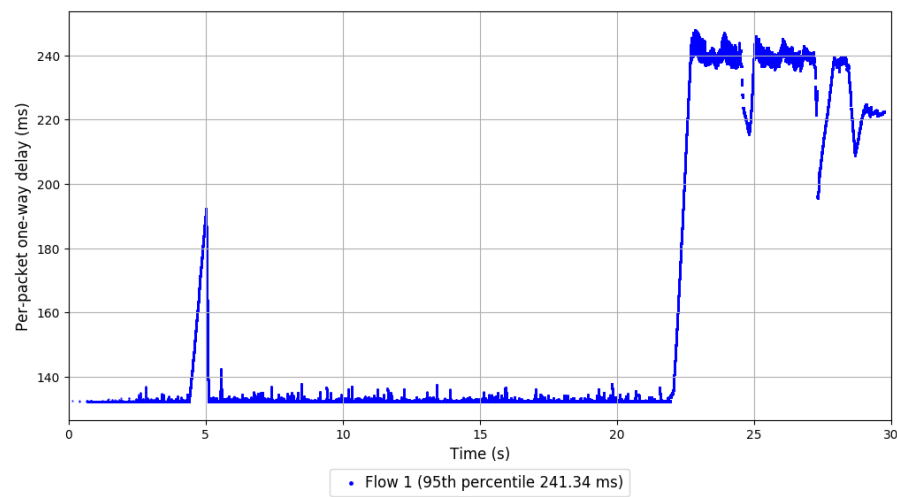
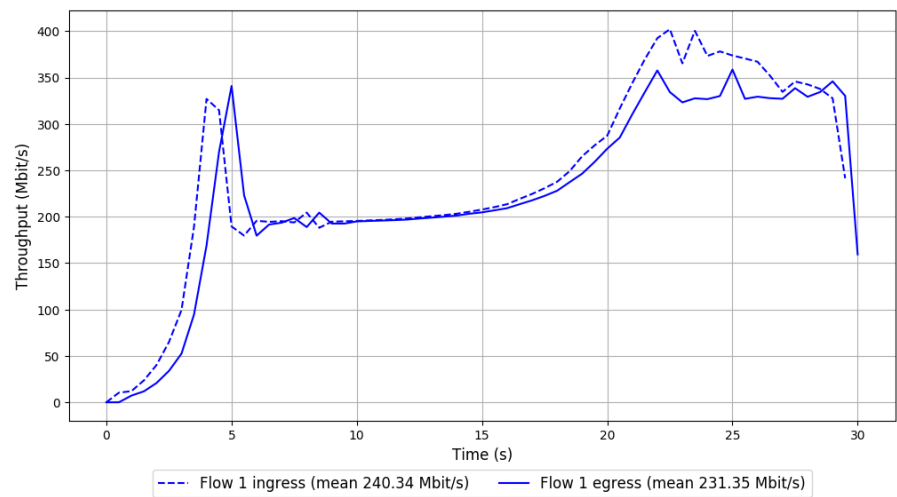


Run 2: Statistics of PCC-Expr

Start at: 2019-09-18 11:23:36
End at: 2019-09-18 11:24:06
Local clock offset: -0.065 ms
Remote clock offset: -0.218 ms

Below is generated by plot.py at 2019-09-18 15:02:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 231.35 Mbit/s
95th percentile per-packet one-way delay: 241.335 ms
Loss rate: 4.60%
-- Flow 1:
Average throughput: 231.35 Mbit/s
95th percentile per-packet one-way delay: 241.335 ms
Loss rate: 4.60%

Run 2: Report of PCC-Expr — Data Link

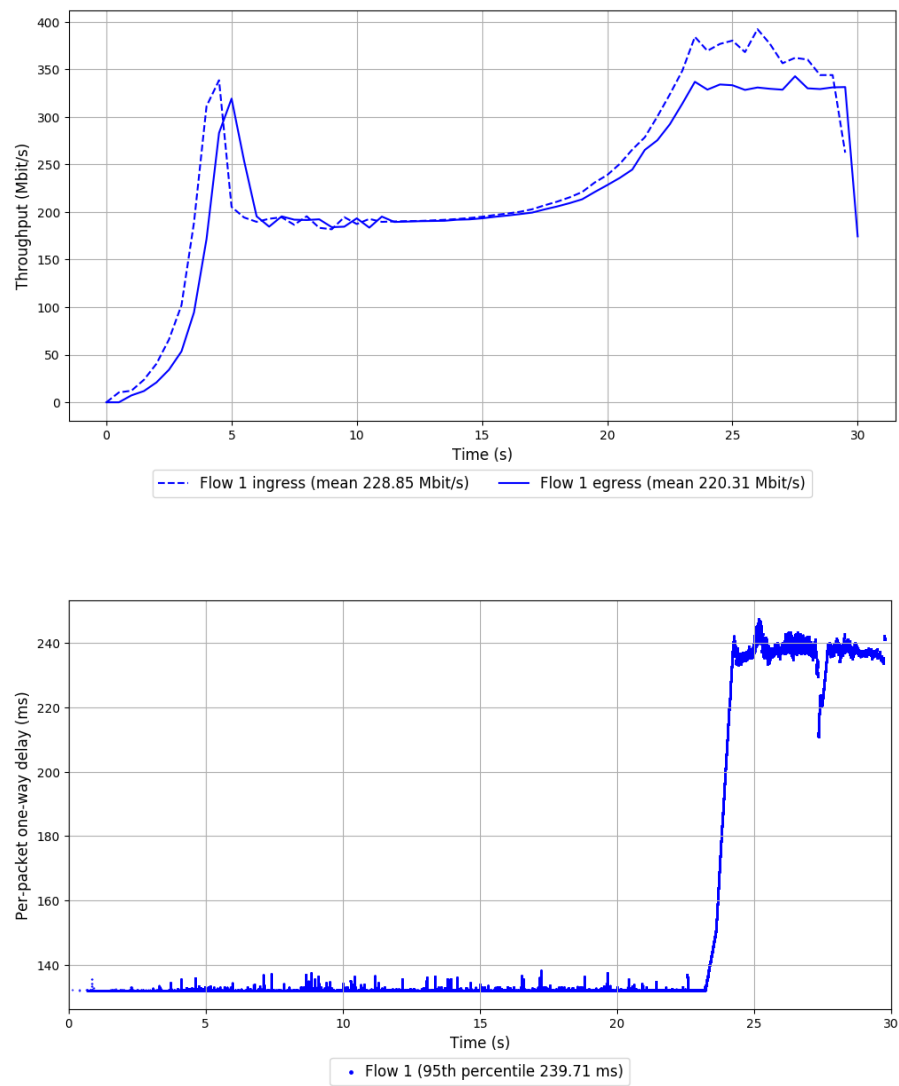


Run 3: Statistics of PCC-Expr

Start at: 2019-09-18 12:00:29
End at: 2019-09-18 12:00:59
Local clock offset: -0.146 ms
Remote clock offset: -0.202 ms

Below is generated by plot.py at 2019-09-18 15:02:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 220.31 Mbit/s
95th percentile per-packet one-way delay: 239.706 ms
Loss rate: 4.58%
-- Flow 1:
Average throughput: 220.31 Mbit/s
95th percentile per-packet one-way delay: 239.706 ms
Loss rate: 4.58%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-09-18 12:37:05

End at: 2019-09-18 12:37:35

Local clock offset: 0.005 ms

Remote clock offset: 0.172 ms

Below is generated by plot.py at 2019-09-18 15:02:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 245.37 Mbit/s

95th percentile per-packet one-way delay: 212.196 ms

Loss rate: 1.70%

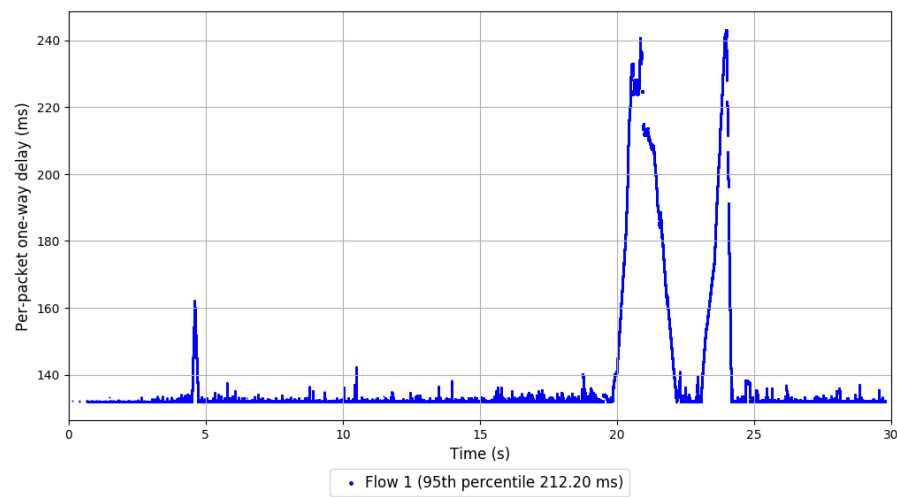
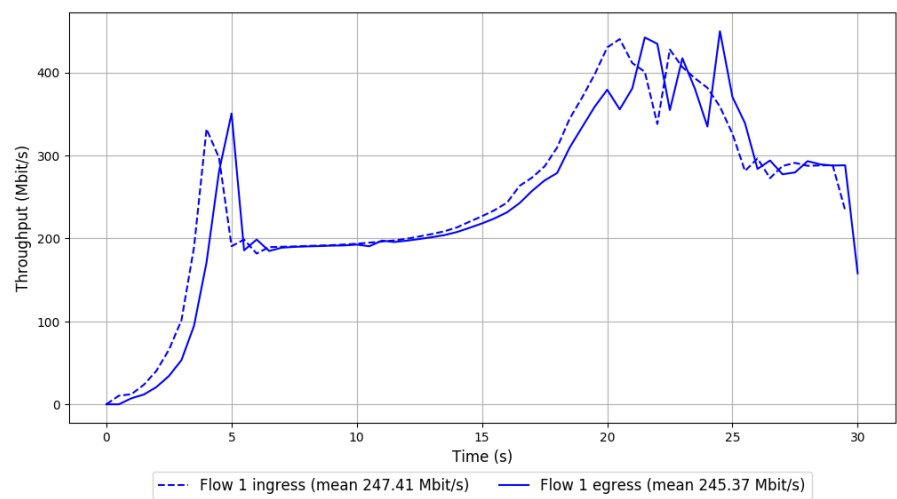
-- Flow 1:

Average throughput: 245.37 Mbit/s

95th percentile per-packet one-way delay: 212.196 ms

Loss rate: 1.70%

Run 4: Report of PCC-Expr — Data Link

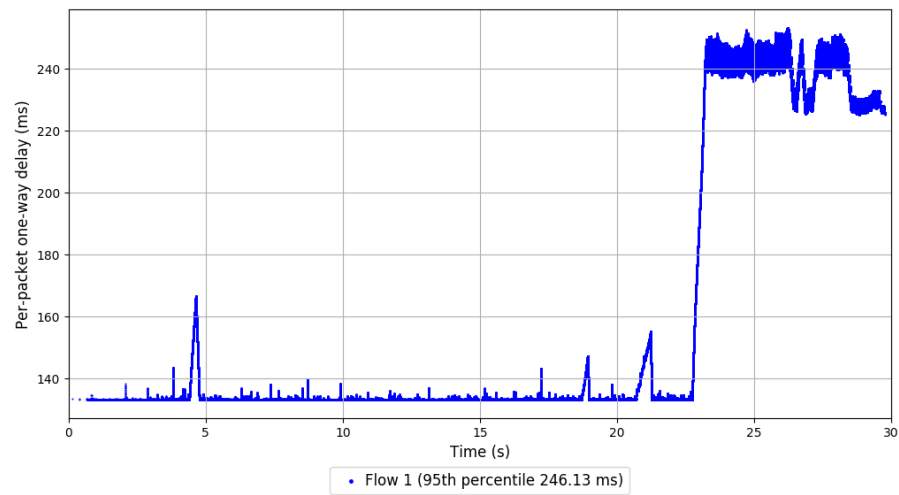
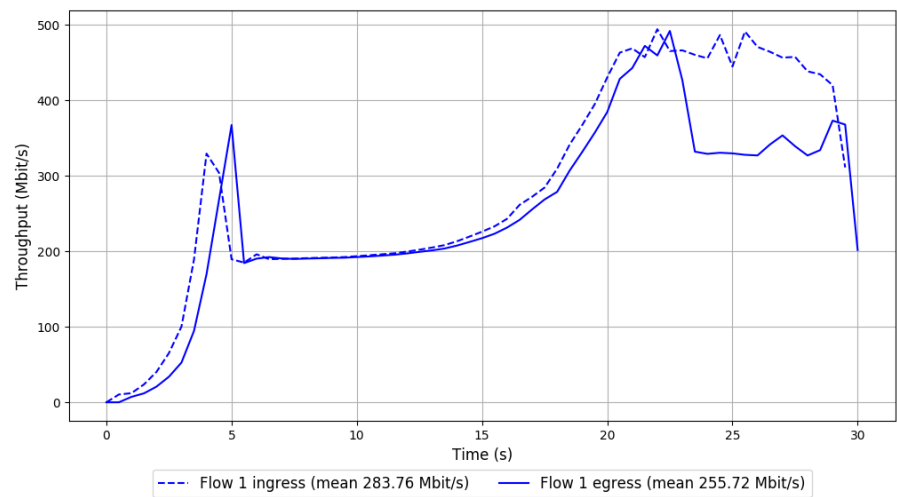


Run 5: Statistics of PCC-Expr

Start at: 2019-09-18 13:13:20
End at: 2019-09-18 13:13:50
Local clock offset: 0.219 ms
Remote clock offset: -0.225 ms

Below is generated by plot.py at 2019-09-18 15:03:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 255.72 Mbit/s
95th percentile per-packet one-way delay: 246.132 ms
Loss rate: 10.68%
-- Flow 1:
Average throughput: 255.72 Mbit/s
95th percentile per-packet one-way delay: 246.132 ms
Loss rate: 10.68%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-09-18 10:29:20

End at: 2019-09-18 10:29:50

Local clock offset: 0.33 ms

Remote clock offset: -0.214 ms

Below is generated by plot.py at 2019-09-18 15:03:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.08 Mbit/s

95th percentile per-packet one-way delay: 132.545 ms

Loss rate: 1.32%

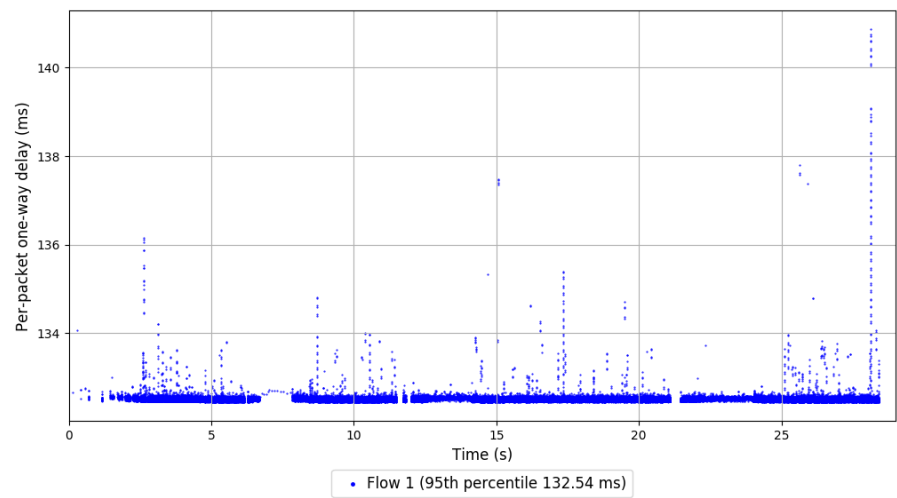
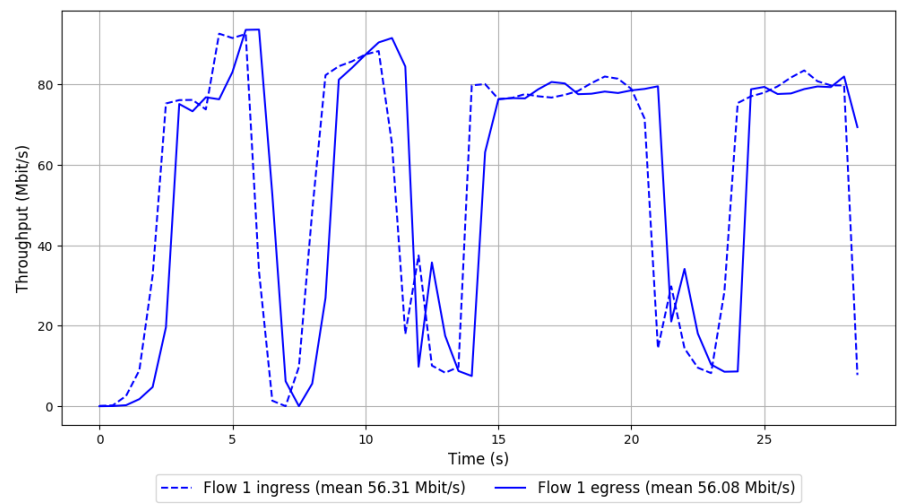
-- Flow 1:

Average throughput: 56.08 Mbit/s

95th percentile per-packet one-way delay: 132.545 ms

Loss rate: 1.32%

Run 1: Report of QUIC Cubic — Data Link

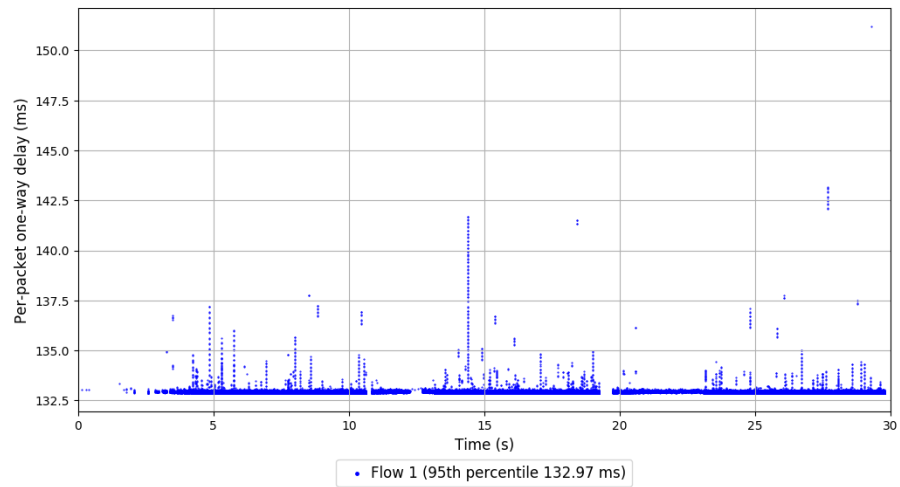
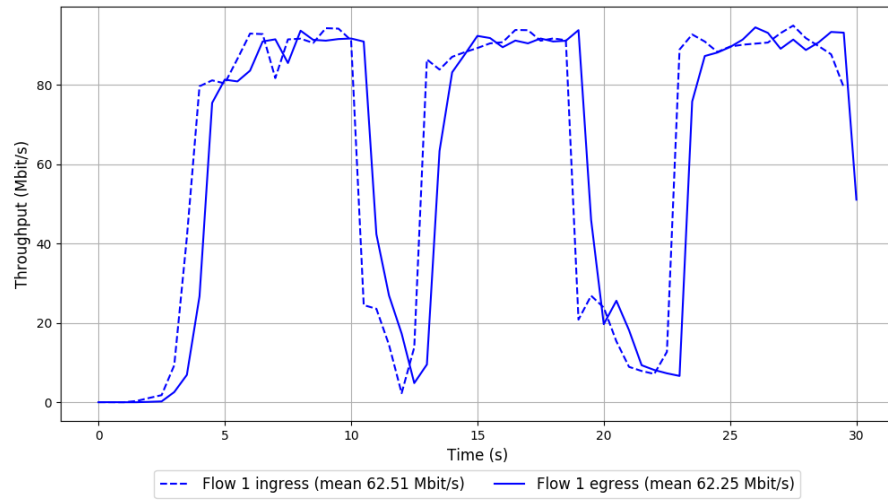


Run 2: Statistics of QUIC Cubic

Start at: 2019-09-18 11:05:55
End at: 2019-09-18 11:06:25
Local clock offset: -0.268 ms
Remote clock offset: -0.229 ms

Below is generated by plot.py at 2019-09-18 15:03:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.25 Mbit/s
95th percentile per-packet one-way delay: 132.974 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 62.25 Mbit/s
95th percentile per-packet one-way delay: 132.974 ms
Loss rate: 1.31%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-09-18 11:42:58

End at: 2019-09-18 11:43:28

Local clock offset: -0.496 ms

Remote clock offset: -0.177 ms

Below is generated by plot.py at 2019-09-18 15:03:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.75 Mbit/s

95th percentile per-packet one-way delay: 132.692 ms

Loss rate: 1.13%

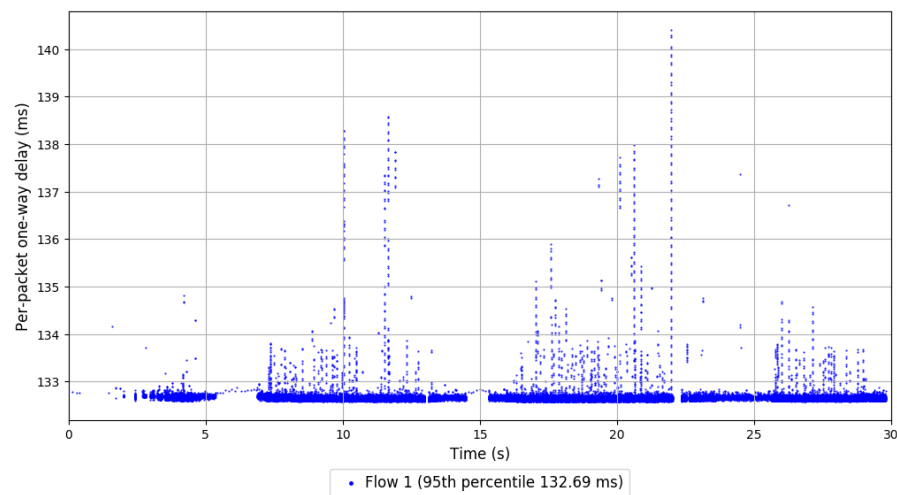
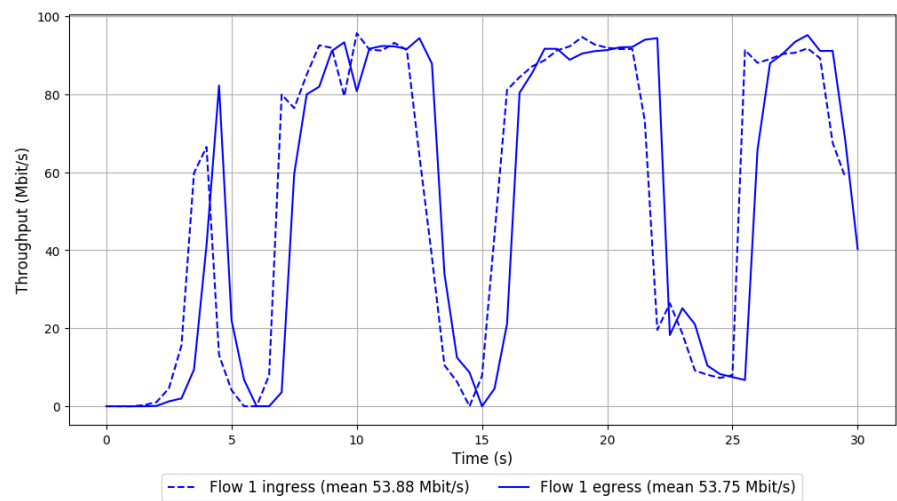
-- Flow 1:

Average throughput: 53.75 Mbit/s

95th percentile per-packet one-way delay: 132.692 ms

Loss rate: 1.13%

Run 3: Report of QUIC Cubic — Data Link

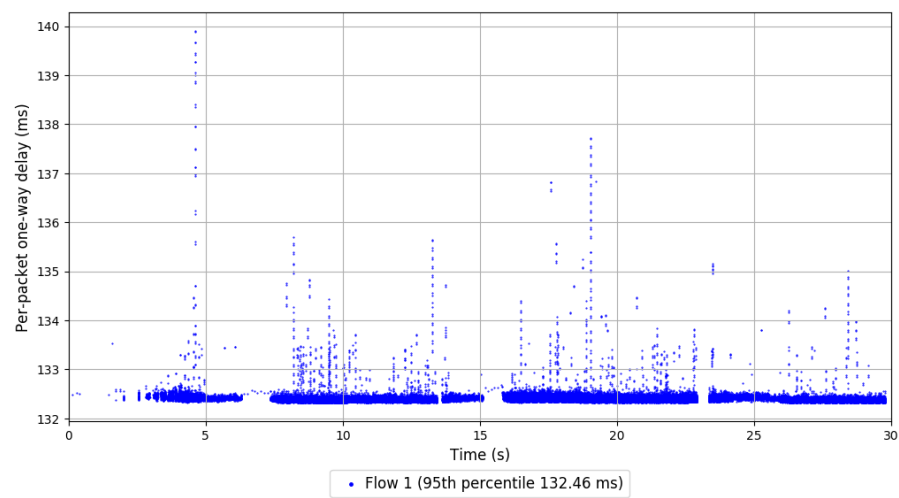
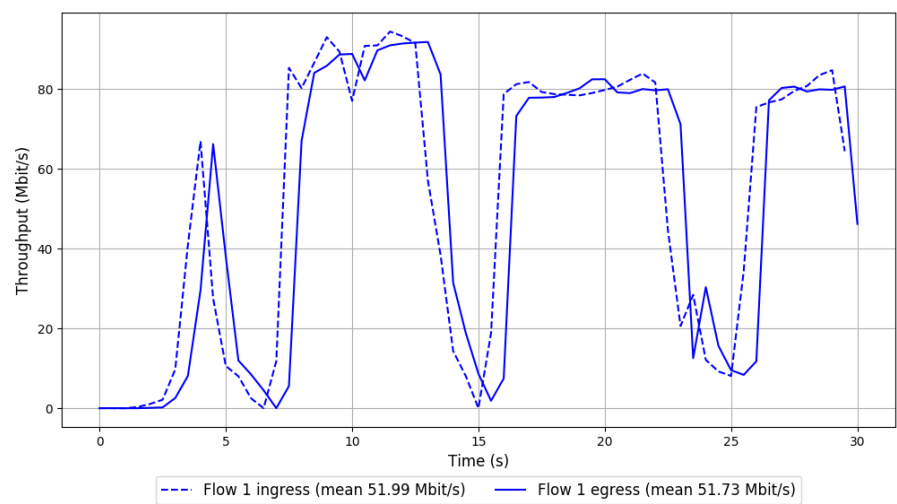


Run 4: Statistics of QUIC Cubic

Start at: 2019-09-18 12:19:37
End at: 2019-09-18 12:20:07
Local clock offset: -0.038 ms
Remote clock offset: -0.206 ms

Below is generated by plot.py at 2019-09-18 15:03:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 51.73 Mbit/s
95th percentile per-packet one-way delay: 132.462 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 51.73 Mbit/s
95th percentile per-packet one-way delay: 132.462 ms
Loss rate: 1.38%

Run 4: Report of QUIC Cubic — Data Link

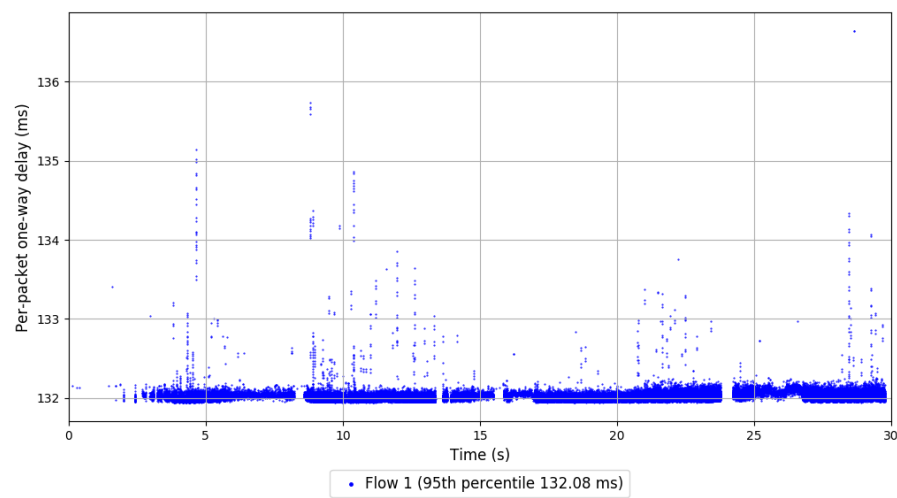
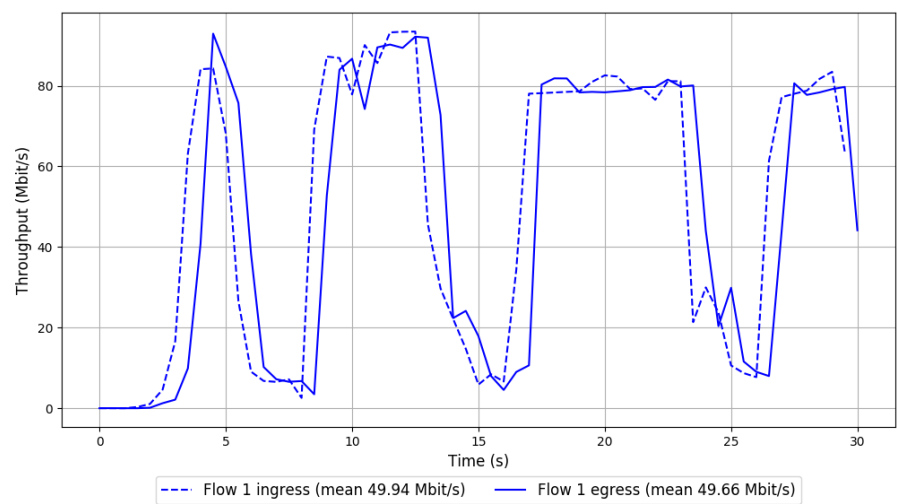


Run 5: Statistics of QUIC Cubic

Start at: 2019-09-18 12:55:49
End at: 2019-09-18 12:56:19
Local clock offset: -0.004 ms
Remote clock offset: -0.233 ms

Below is generated by plot.py at 2019-09-18 15:03:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 49.66 Mbit/s
95th percentile per-packet one-way delay: 132.080 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 49.66 Mbit/s
95th percentile per-packet one-way delay: 132.080 ms
Loss rate: 1.43%

Run 5: Report of QUIC Cubic — Data Link

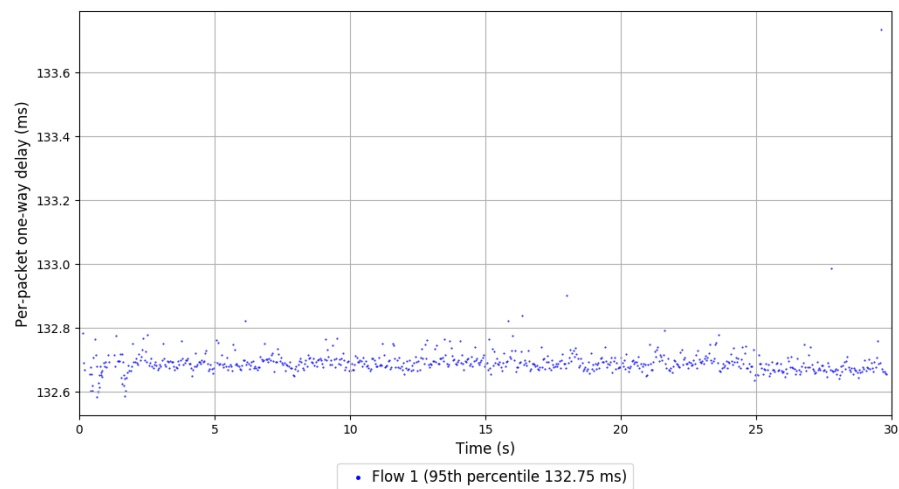
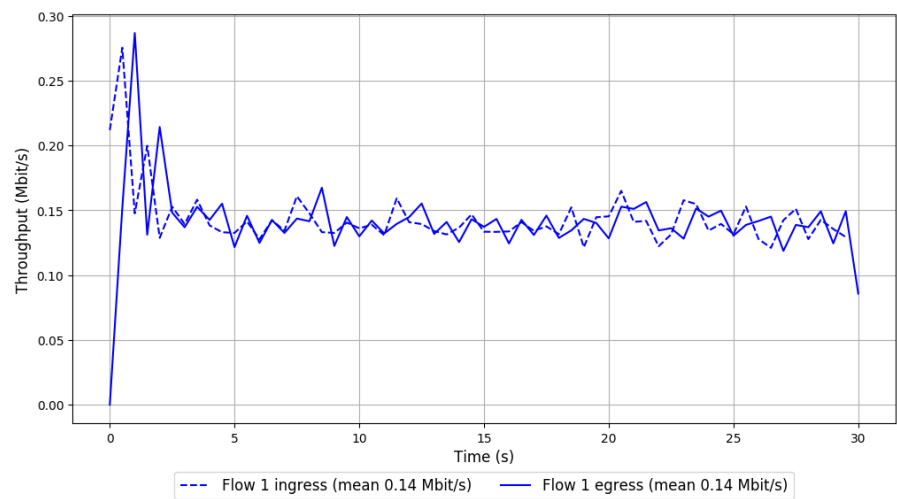


Run 1: Statistics of SCReAM

Start at: 2019-09-18 10:44:01
End at: 2019-09-18 10:44:31
Local clock offset: 0.359 ms
Remote clock offset: -0.249 ms

Below is generated by plot.py at 2019-09-18 15:03:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 132.745 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 132.745 ms
Loss rate: 0.88%

Run 1: Report of SReAM — Data Link

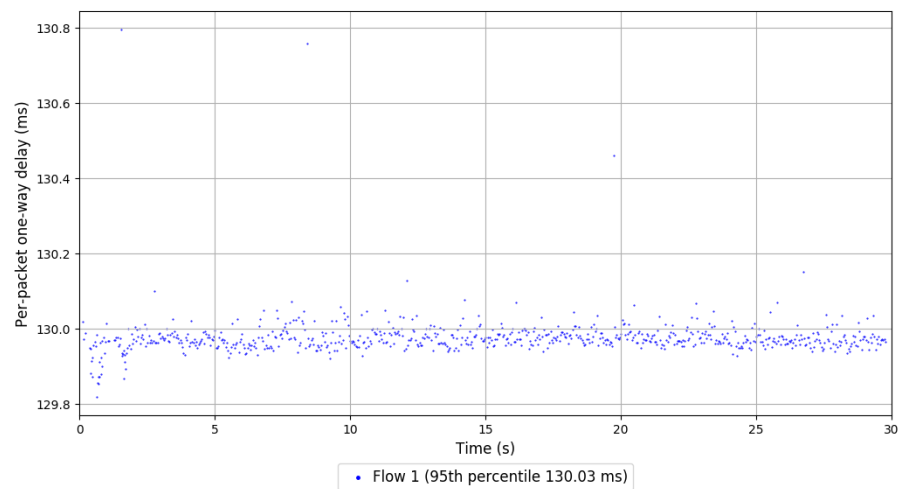
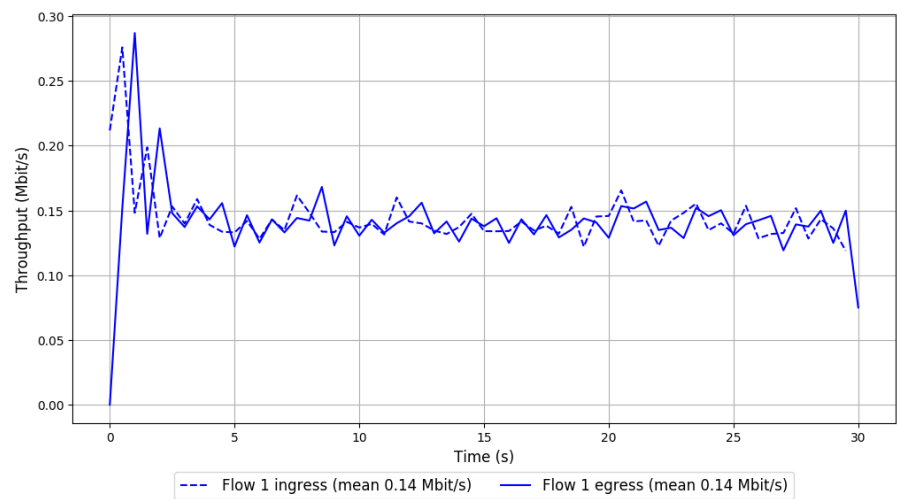


Run 2: Statistics of SCReAM

Start at: 2019-09-18 11:20:41
End at: 2019-09-18 11:21:11
Local clock offset: -0.49 ms
Remote clock offset: -0.307 ms

Below is generated by plot.py at 2019-09-18 15:03:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 130.029 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 130.029 ms
Loss rate: 0.88%

Run 2: Report of SReAM — Data Link

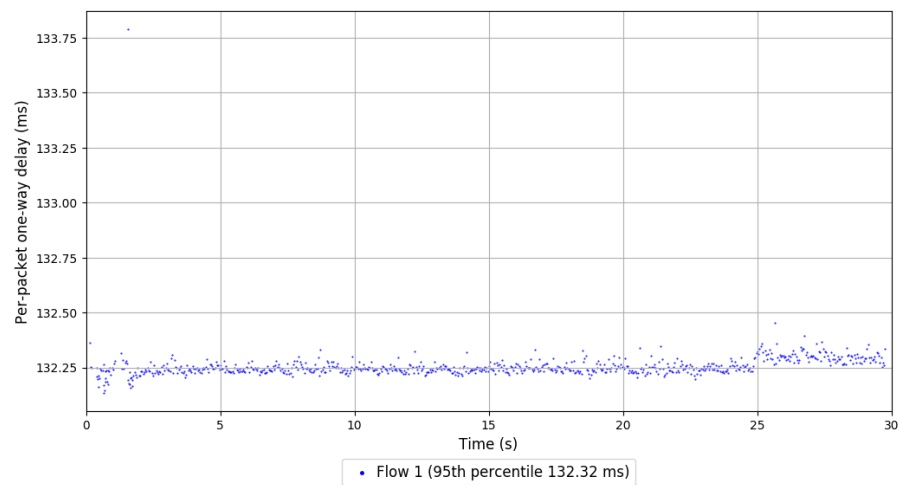
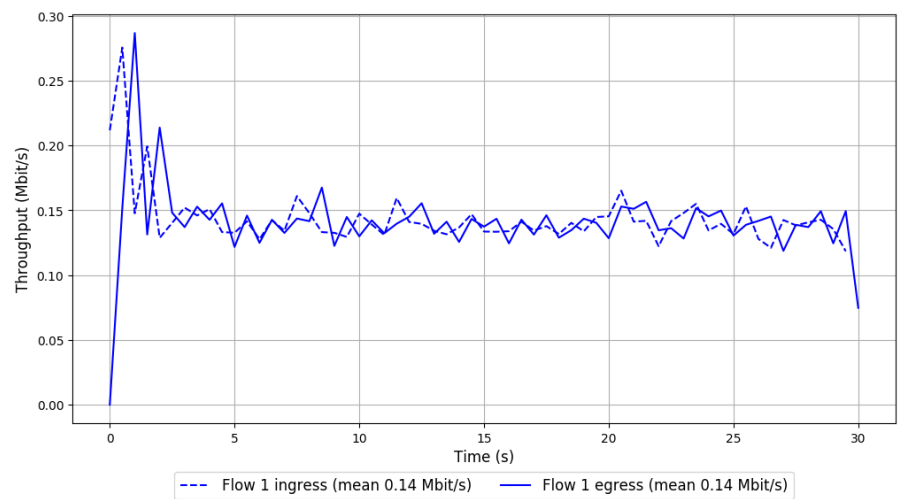


Run 3: Statistics of SCReAM

Start at: 2019-09-18 11:57:36
End at: 2019-09-18 11:58:06
Local clock offset: -0.13 ms
Remote clock offset: -0.284 ms

Below is generated by plot.py at 2019-09-18 15:03:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 132.318 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 132.318 ms
Loss rate: 0.88%

Run 3: Report of SReAM — Data Link

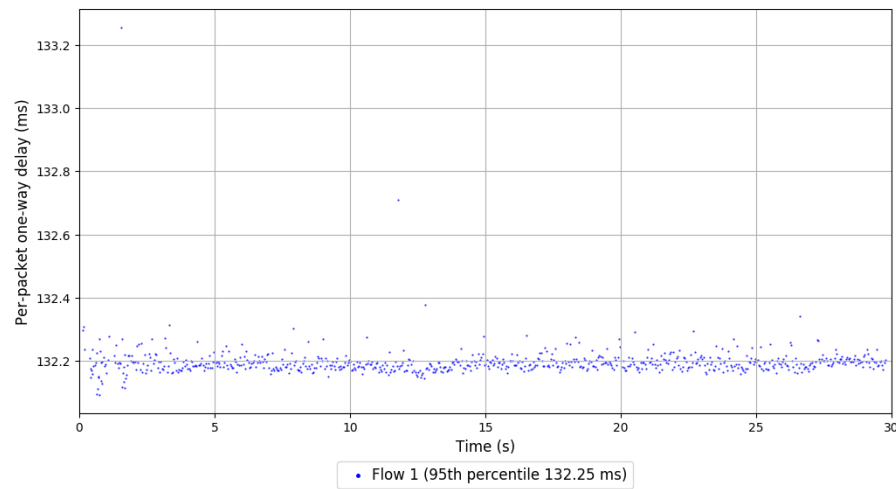
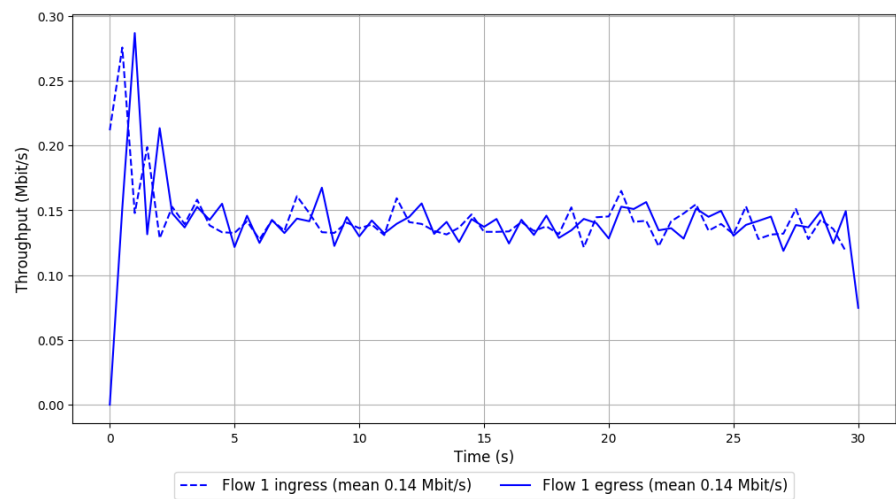


Run 4: Statistics of SCReAM

Start at: 2019-09-18 12:34:10
End at: 2019-09-18 12:34:40
Local clock offset: -0.027 ms
Remote clock offset: -0.281 ms

Below is generated by plot.py at 2019-09-18 15:03:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 132.249 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 132.249 ms
Loss rate: 0.88%

Run 4: Report of SReAM — Data Link

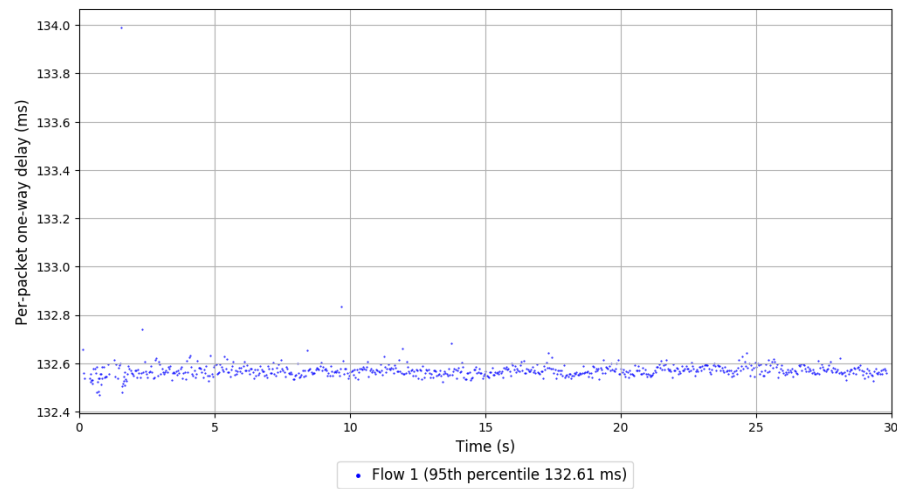
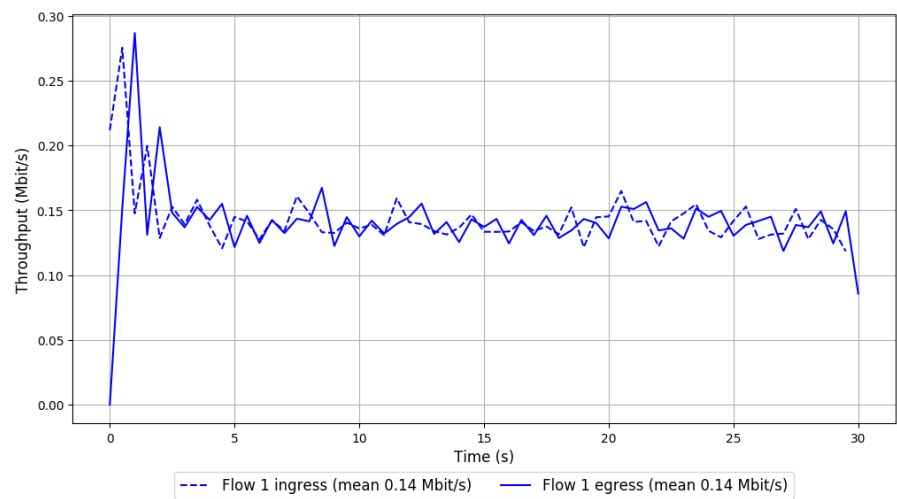


Run 5: Statistics of SCReAM

Start at: 2019-09-18 13:10:29
End at: 2019-09-18 13:10:59
Local clock offset: 0.296 ms
Remote clock offset: -0.196 ms

Below is generated by plot.py at 2019-09-18 15:03:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 132.608 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 132.608 ms
Loss rate: 0.75%

Run 5: Report of SReAM — Data Link

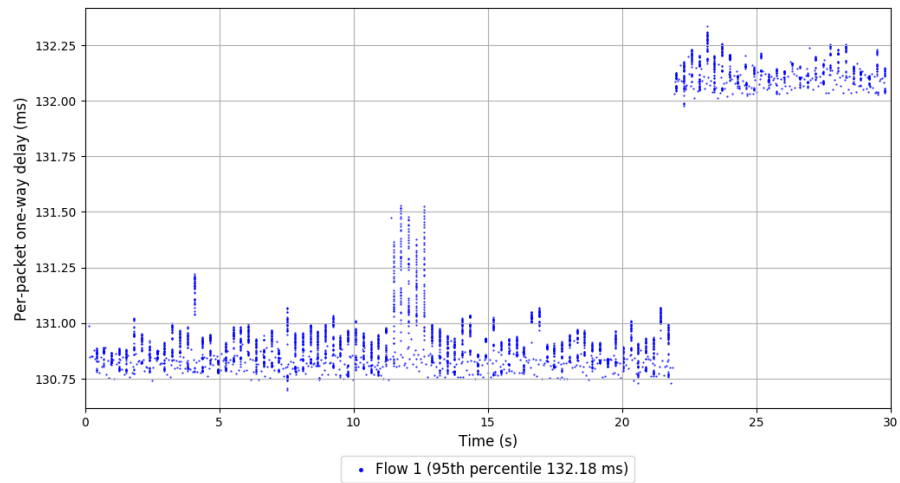
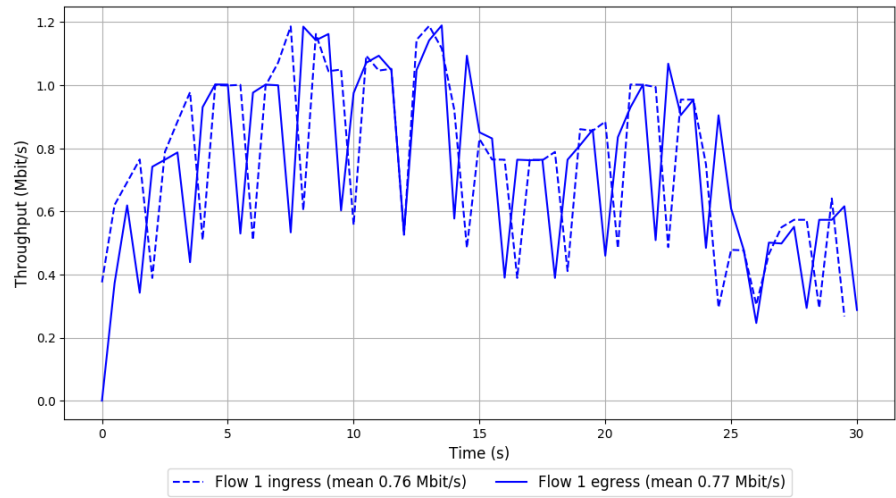


Run 1: Statistics of Sprout

Start at: 2019-09-18 10:23:04
End at: 2019-09-18 10:23:34
Local clock offset: -0.101 ms
Remote clock offset: -0.184 ms

Below is generated by plot.py at 2019-09-18 15:03:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.77 Mbit/s
95th percentile per-packet one-way delay: 132.176 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.77 Mbit/s
95th percentile per-packet one-way delay: 132.176 ms
Loss rate: 0.02%

Run 1: Report of Sprout — Data Link

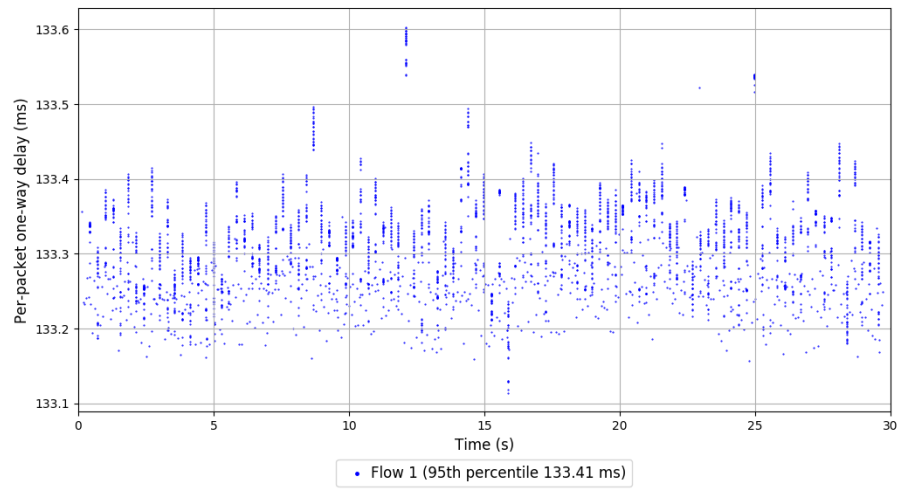
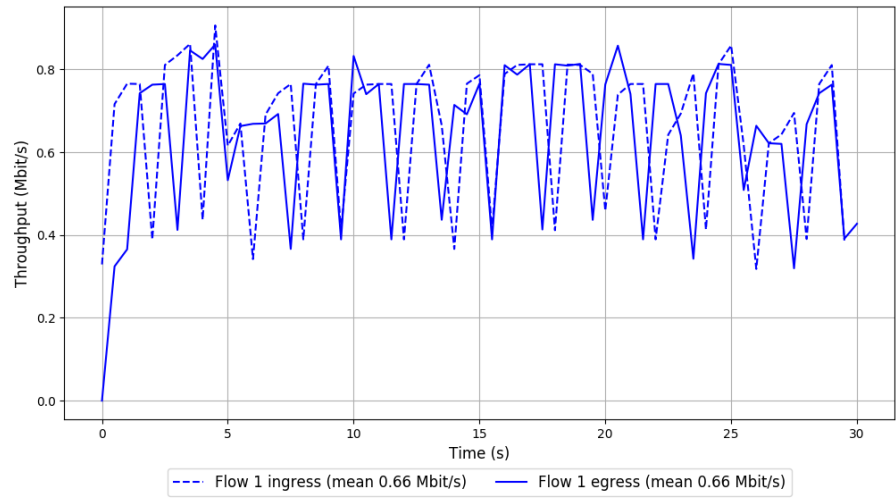


Run 2: Statistics of Sprout

Start at: 2019-09-18 10:59:44
End at: 2019-09-18 11:00:14
Local clock offset: 0.398 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2019-09-18 15:03:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 133.412 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 133.412 ms
Loss rate: 0.97%

Run 2: Report of Sprout — Data Link

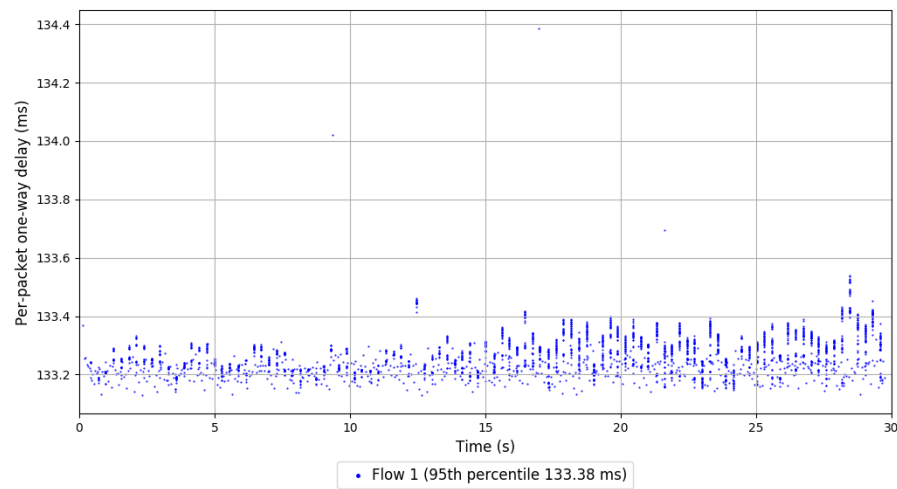
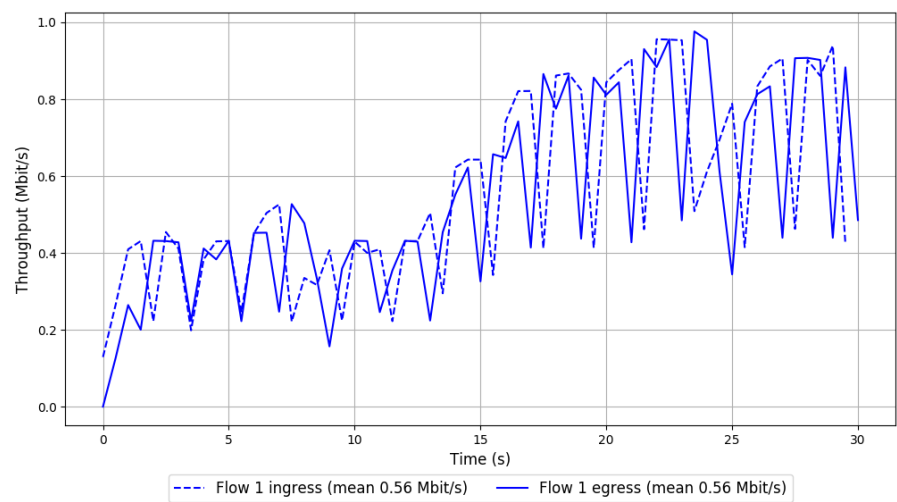


Run 3: Statistics of Sprout

Start at: 2019-09-18 11:36:41
End at: 2019-09-18 11:37:11
Local clock offset: -0.047 ms
Remote clock offset: -0.255 ms

Below is generated by plot.py at 2019-09-18 15:03:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 133.377 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 133.377 ms
Loss rate: 1.26%

Run 3: Report of Sprout — Data Link

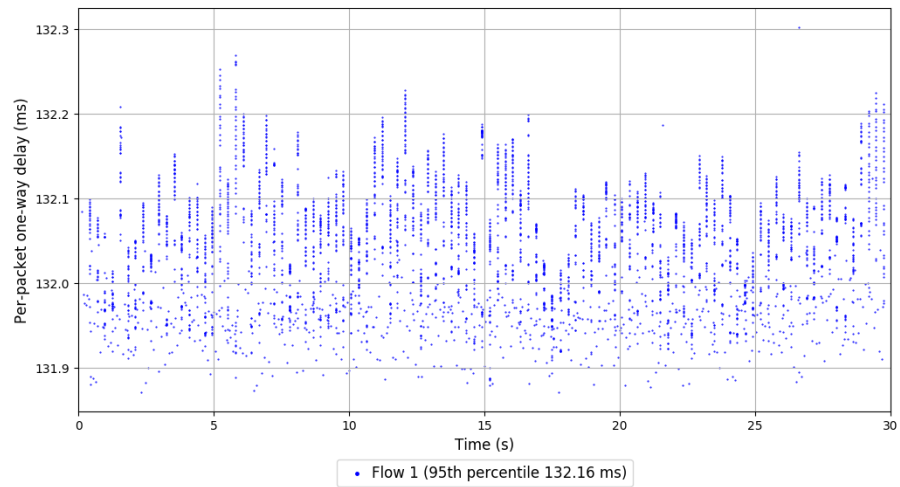
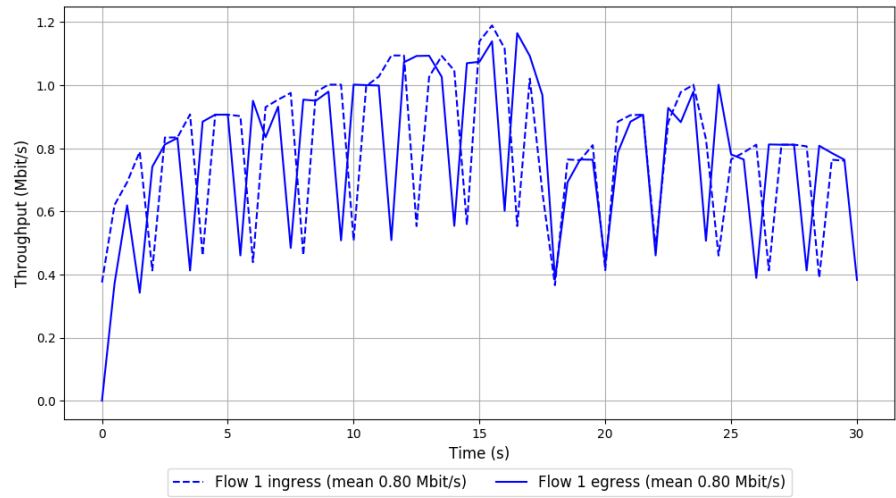


Run 4: Statistics of Sprout

Start at: 2019-09-18 12:13:37
End at: 2019-09-18 12:14:07
Local clock offset: -0.318 ms
Remote clock offset: -0.192 ms

Below is generated by plot.py at 2019-09-18 15:03:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.80 Mbit/s
95th percentile per-packet one-way delay: 132.161 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 0.80 Mbit/s
95th percentile per-packet one-way delay: 132.161 ms
Loss rate: 0.80%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-09-18 12:49:47

End at: 2019-09-18 12:50:17

Local clock offset: -0.003 ms

Remote clock offset: -0.29 ms

Below is generated by plot.py at 2019-09-18 15:03:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.81 Mbit/s

95th percentile per-packet one-way delay: 131.169 ms

Loss rate: 1.08%

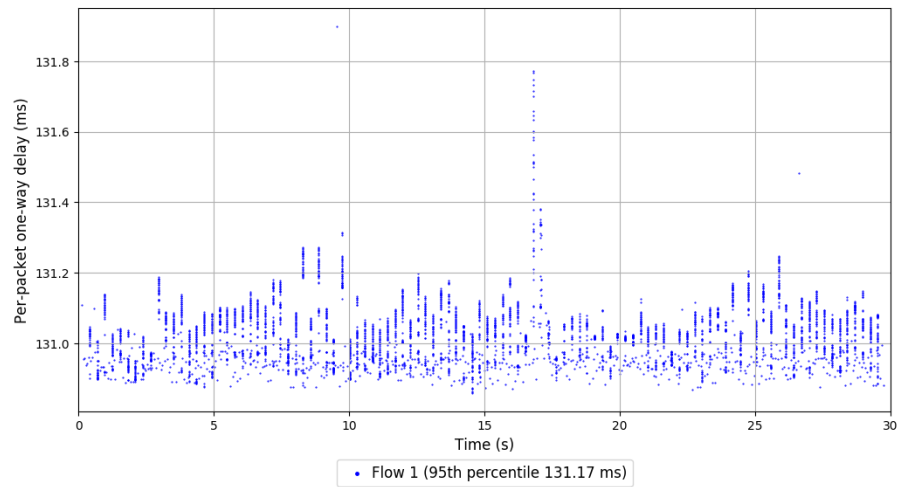
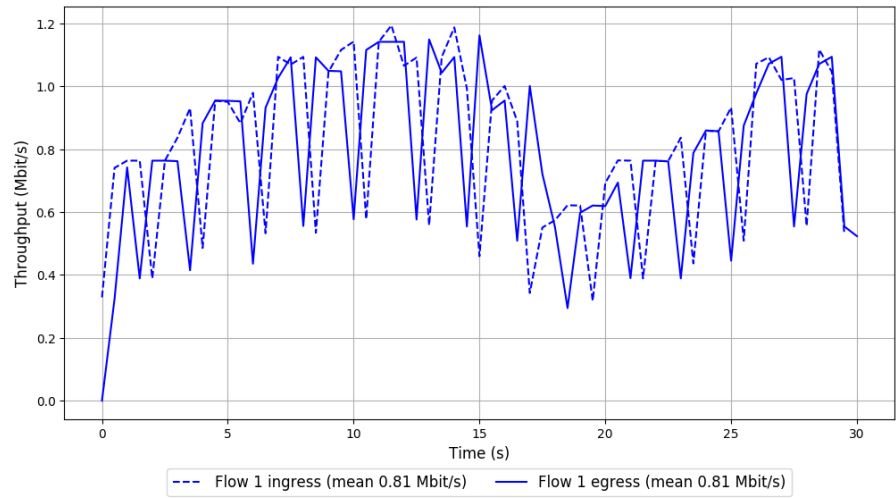
-- Flow 1:

Average throughput: 0.81 Mbit/s

95th percentile per-packet one-way delay: 131.169 ms

Loss rate: 1.08%

Run 5: Report of Sprout — Data Link

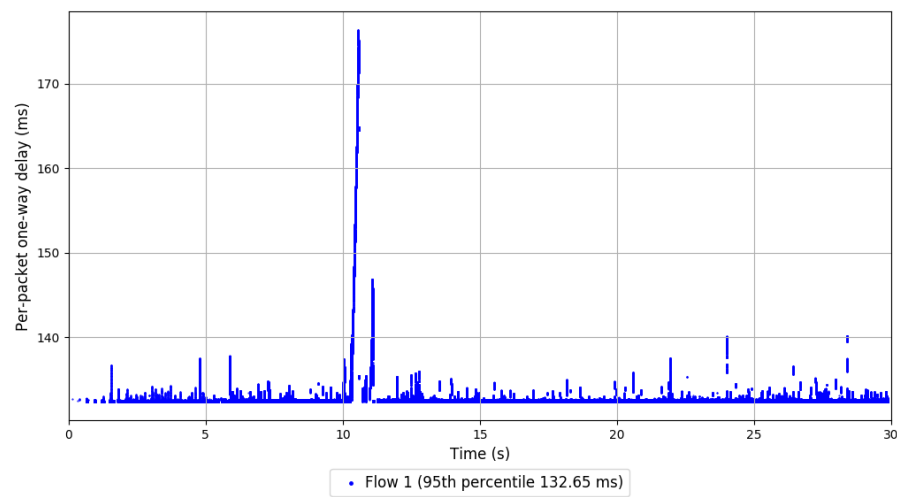
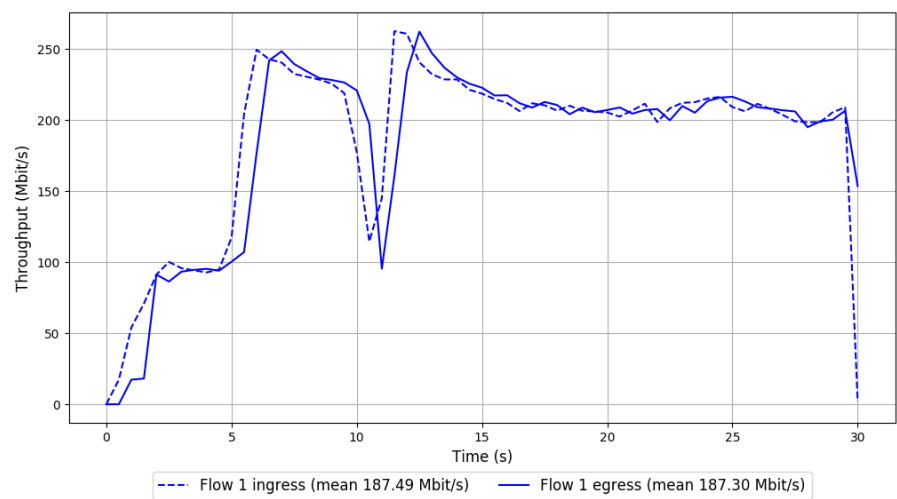


Run 1: Statistics of TaoVA-100x

Start at: 2019-09-18 10:35:07
End at: 2019-09-18 10:35:37
Local clock offset: -0.467 ms
Remote clock offset: -0.193 ms

Below is generated by plot.py at 2019-09-18 15:06:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.30 Mbit/s
95th percentile per-packet one-way delay: 132.649 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 187.30 Mbit/s
95th percentile per-packet one-way delay: 132.649 ms
Loss rate: 0.98%

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

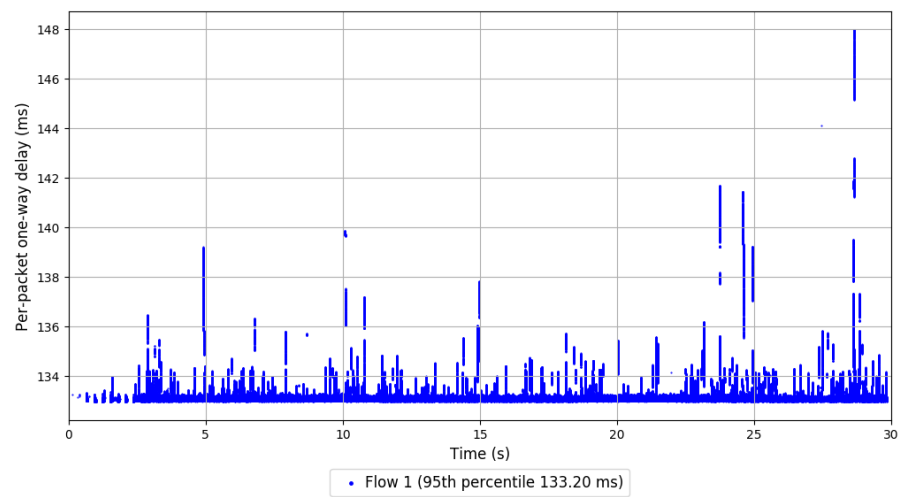
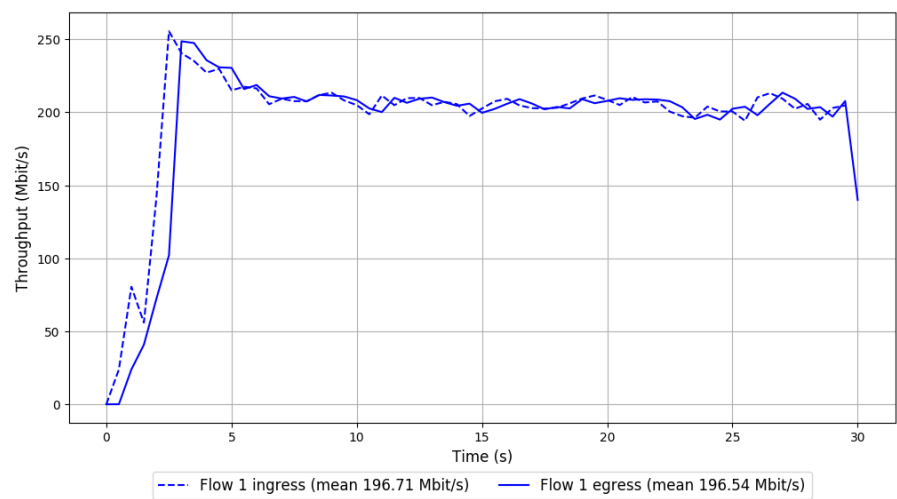


Run 2: Statistics of TaoVA-100x

Start at: 2019-09-18 11:11:47
End at: 2019-09-18 11:12:17
Local clock offset: -0.085 ms
Remote clock offset: -0.169 ms

Below is generated by plot.py at 2019-09-18 15:06:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 196.54 Mbit/s
95th percentile per-packet one-way delay: 133.198 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 196.54 Mbit/s
95th percentile per-packet one-way delay: 133.198 ms
Loss rate: 0.97%

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

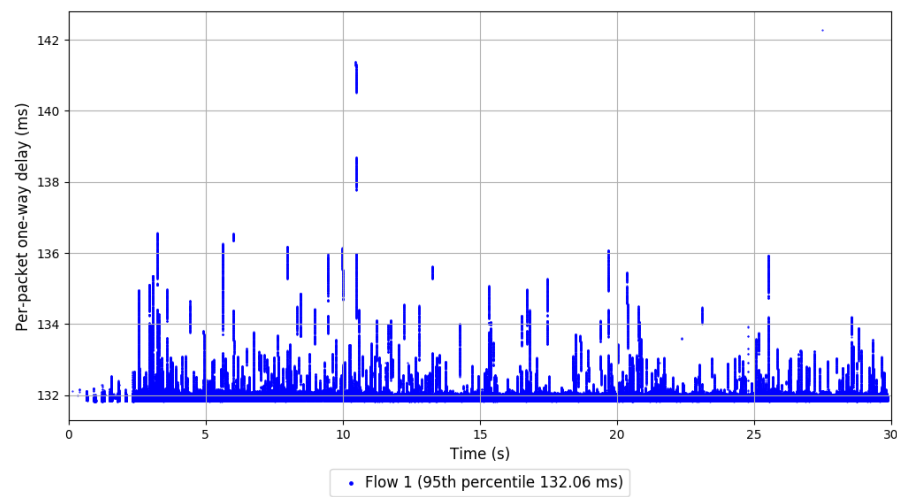
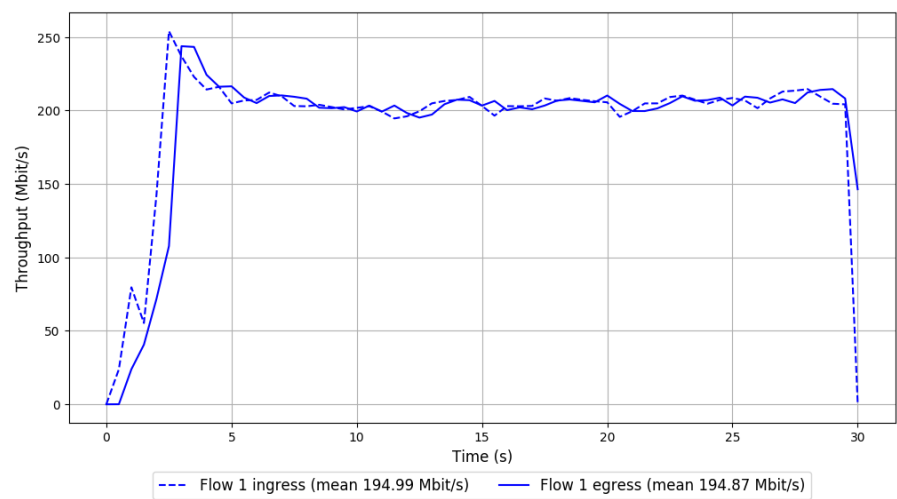


Run 3: Statistics of TaoVA-100x

Start at: 2019-09-18 11:48:46
End at: 2019-09-18 11:49:16
Local clock offset: -0.378 ms
Remote clock offset: -0.311 ms

Below is generated by plot.py at 2019-09-18 15:06:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 194.87 Mbit/s
95th percentile per-packet one-way delay: 132.063 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 194.87 Mbit/s
95th percentile per-packet one-way delay: 132.063 ms
Loss rate: 0.95%

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

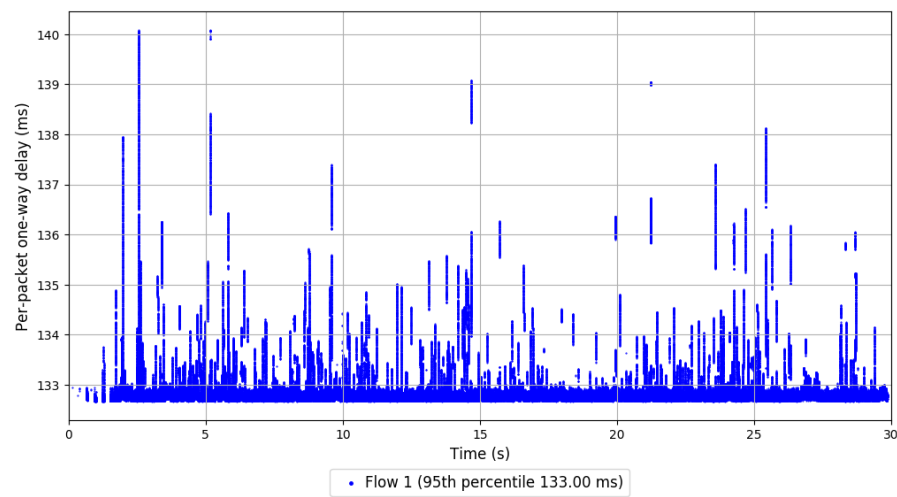
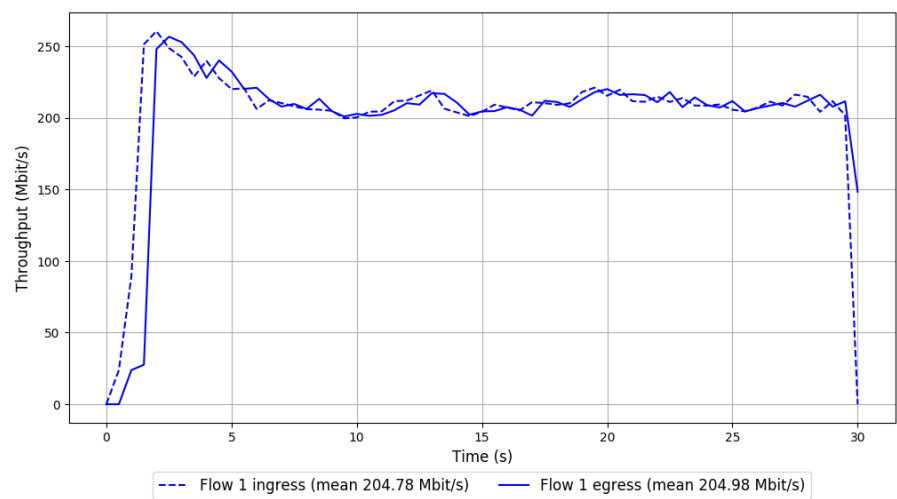


Run 4: Statistics of TaoVA-100x

Start at: 2019-09-18 12:25:21
End at: 2019-09-18 12:25:51
Local clock offset: -0.059 ms
Remote clock offset: -0.195 ms

Below is generated by plot.py at 2019-09-18 15:07:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 204.98 Mbit/s
95th percentile per-packet one-way delay: 132.998 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 204.98 Mbit/s
95th percentile per-packet one-way delay: 132.998 ms
Loss rate: 0.87%

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

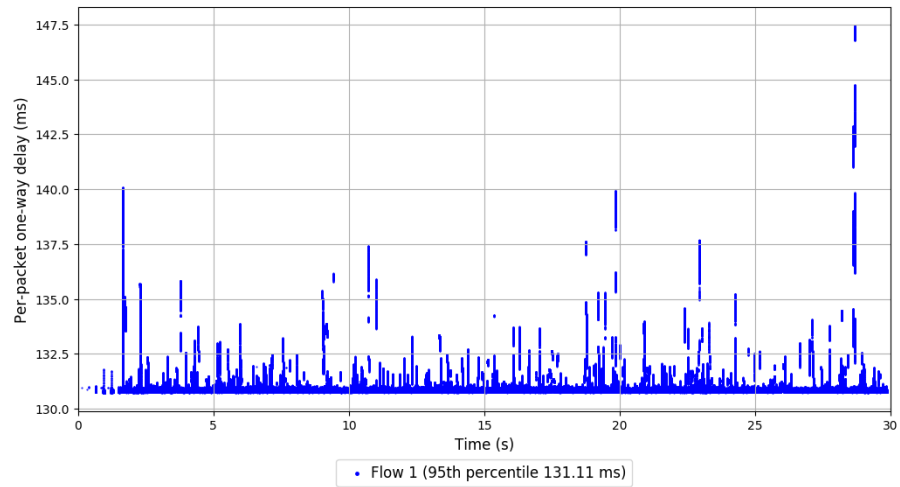
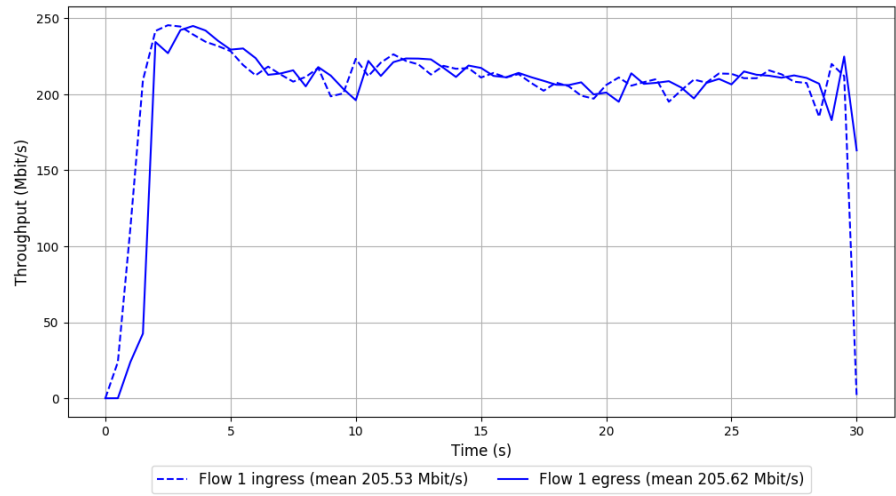


Run 5: Statistics of TaoVA-100x

Start at: 2019-09-18 13:01:37
End at: 2019-09-18 13:02:07
Local clock offset: -0.031 ms
Remote clock offset: -0.227 ms

Below is generated by plot.py at 2019-09-18 15:07:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.62 Mbit/s
95th percentile per-packet one-way delay: 131.107 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 205.62 Mbit/s
95th percentile per-packet one-way delay: 131.107 ms
Loss rate: 0.84%

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

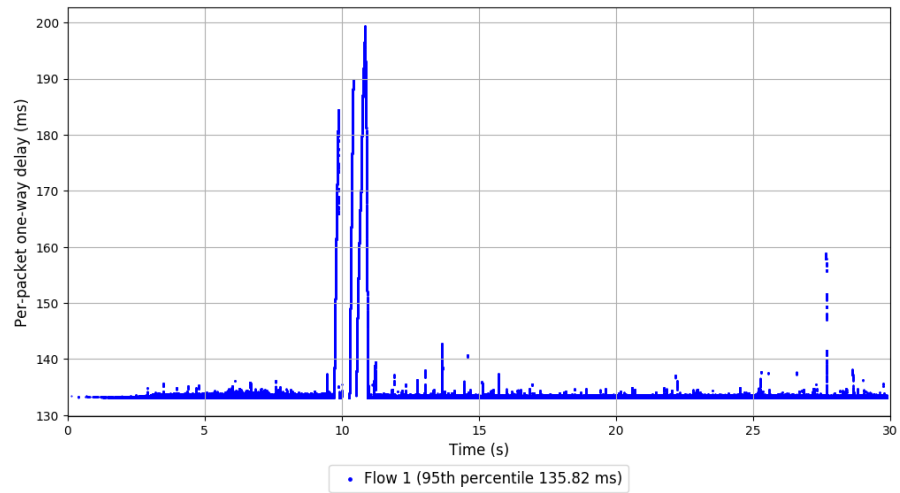
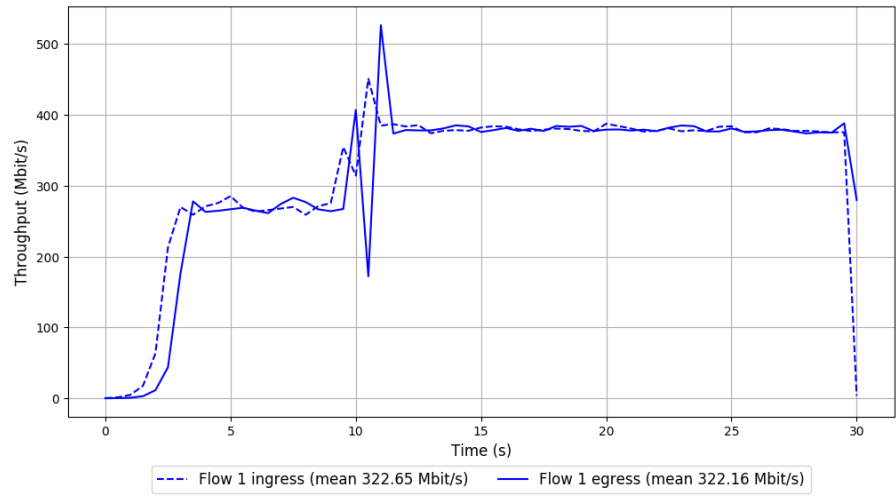


Run 1: Statistics of TCP Vegas

Start at: 2019-09-18 10:39:30
End at: 2019-09-18 10:40:00
Local clock offset: 0.185 ms
Remote clock offset: -0.267 ms

Below is generated by plot.py at 2019-09-18 15:08:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 322.16 Mbit/s
95th percentile per-packet one-way delay: 135.819 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 322.16 Mbit/s
95th percentile per-packet one-way delay: 135.819 ms
Loss rate: 1.03%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-09-18 11:16:11

End at: 2019-09-18 11:16:41

Local clock offset: 0.168 ms

Remote clock offset: -0.52 ms

Below is generated by plot.py at 2019-09-18 15:09:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 340.00 Mbit/s

95th percentile per-packet one-way delay: 139.418 ms

Loss rate: 1.16%

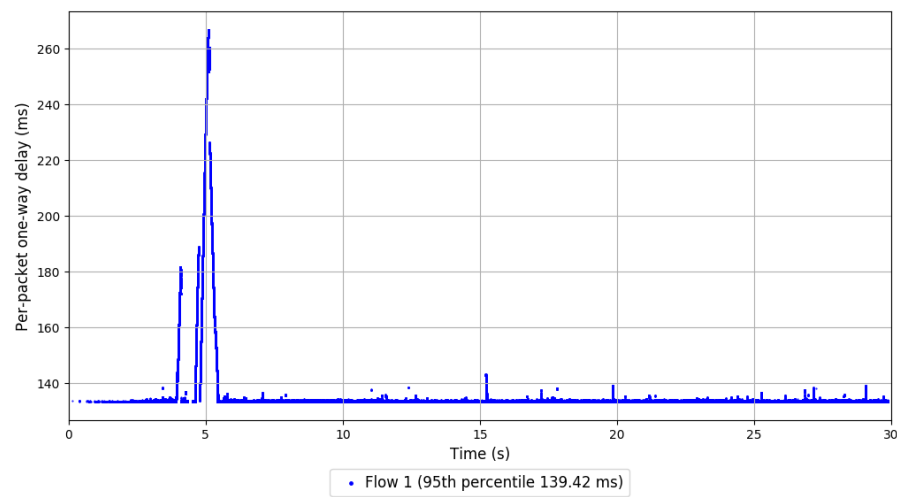
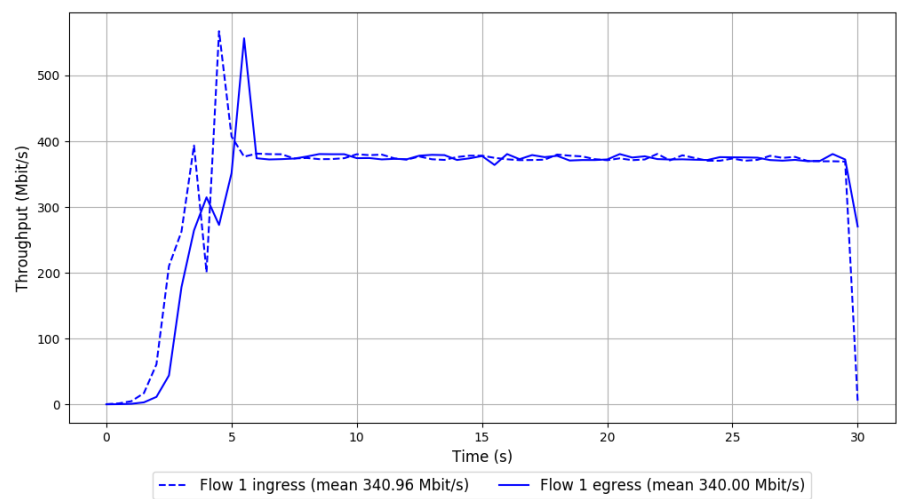
-- Flow 1:

Average throughput: 340.00 Mbit/s

95th percentile per-packet one-way delay: 139.418 ms

Loss rate: 1.16%

Run 2: Report of TCP Vegas — Data Link

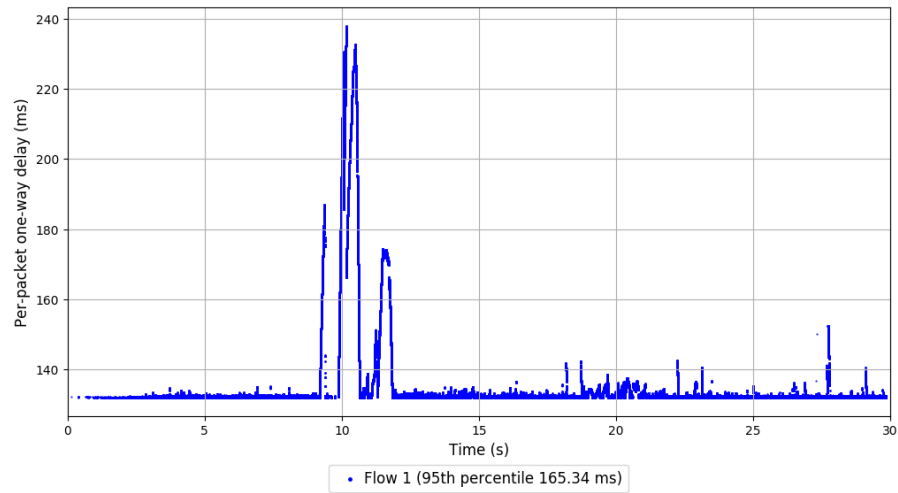
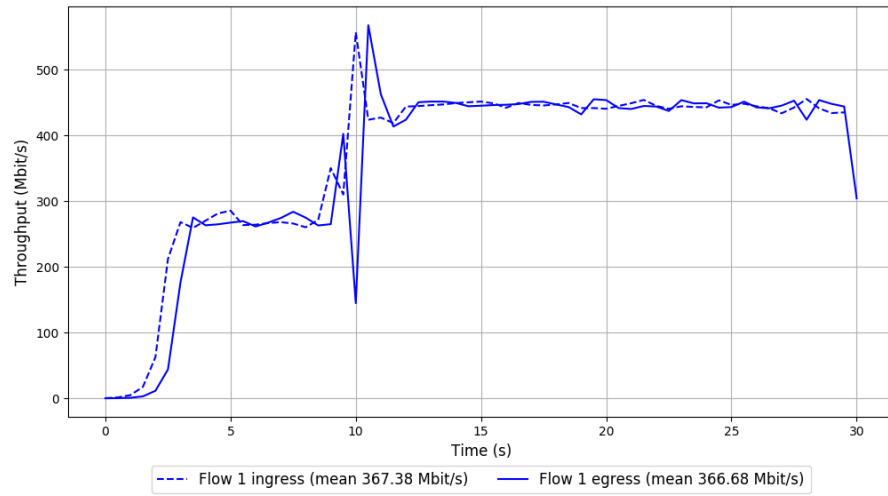


Run 3: Statistics of TCP Vegas

Start at: 2019-09-18 11:53:07
End at: 2019-09-18 11:53:37
Local clock offset: -0.1 ms
Remote clock offset: -0.185 ms

Below is generated by plot.py at 2019-09-18 15:10:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 366.68 Mbit/s
95th percentile per-packet one-way delay: 165.337 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 366.68 Mbit/s
95th percentile per-packet one-way delay: 165.337 ms
Loss rate: 1.07%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-09-18 12:29:44

End at: 2019-09-18 12:30:14

Local clock offset: 0.377 ms

Remote clock offset: 0.172 ms

Below is generated by plot.py at 2019-09-18 15:11:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 294.26 Mbit/s

95th percentile per-packet one-way delay: 134.254 ms

Loss rate: 0.73%

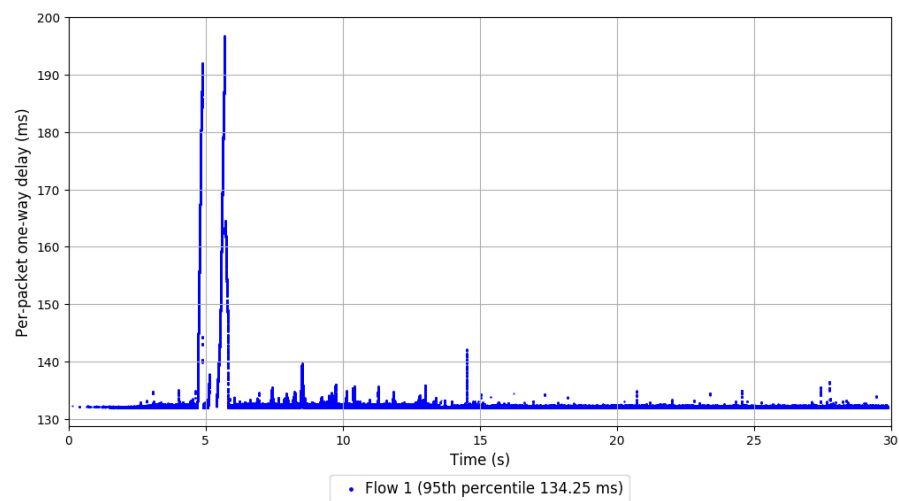
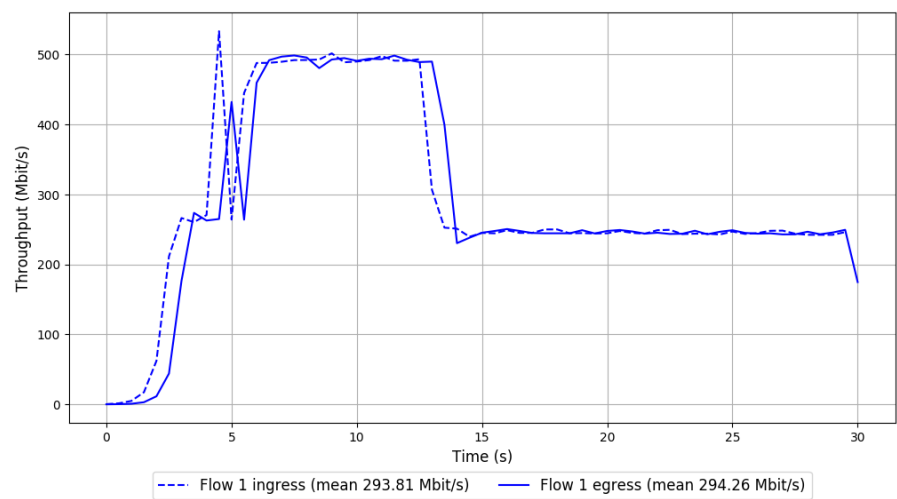
-- Flow 1:

Average throughput: 294.26 Mbit/s

95th percentile per-packet one-way delay: 134.254 ms

Loss rate: 0.73%

Run 4: Report of TCP Vegas — Data Link

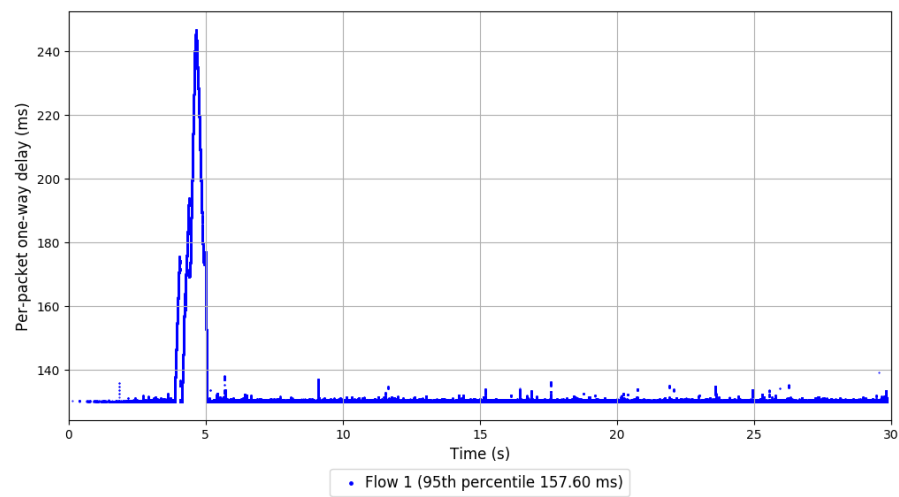
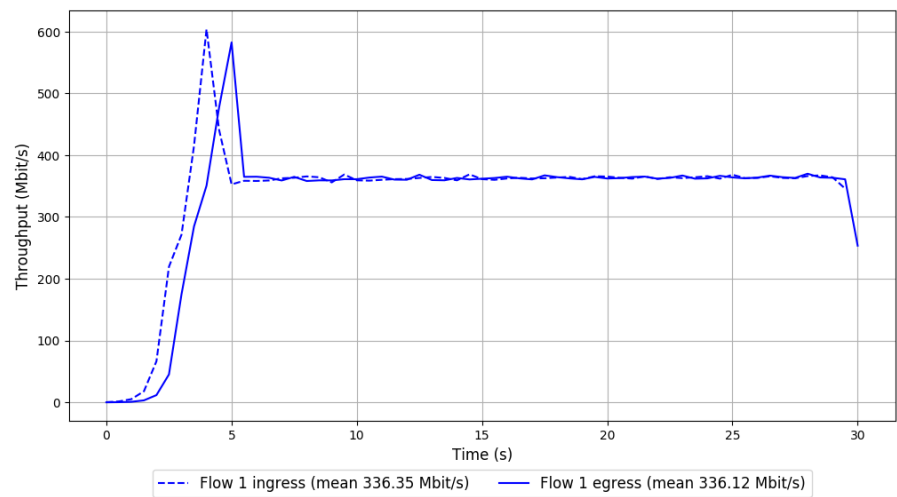


Run 5: Statistics of TCP Vegas

Start at: 2019-09-18 13:06:02
End at: 2019-09-18 13:06:32
Local clock offset: -0.032 ms
Remote clock offset: -0.197 ms

Below is generated by plot.py at 2019-09-18 15:12:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 336.12 Mbit/s
95th percentile per-packet one-way delay: 157.601 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 336.12 Mbit/s
95th percentile per-packet one-way delay: 157.601 ms
Loss rate: 0.94%

Run 5: Report of TCP Vegas — Data Link

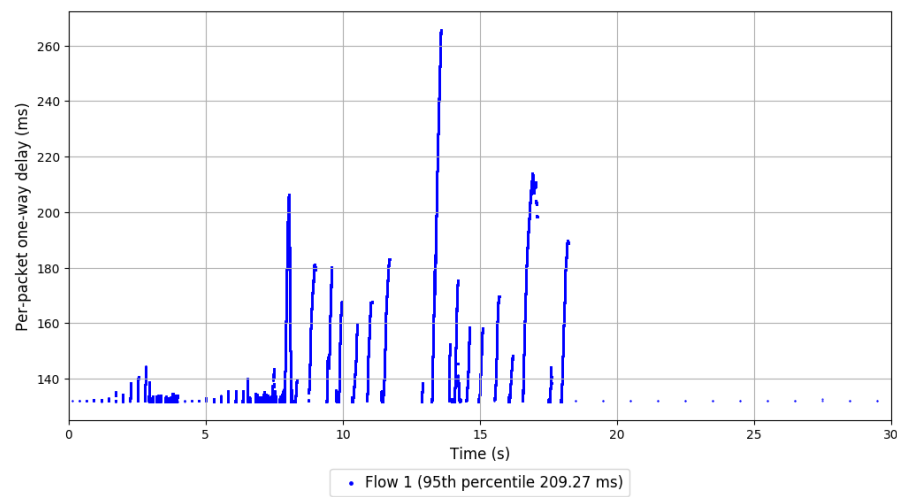
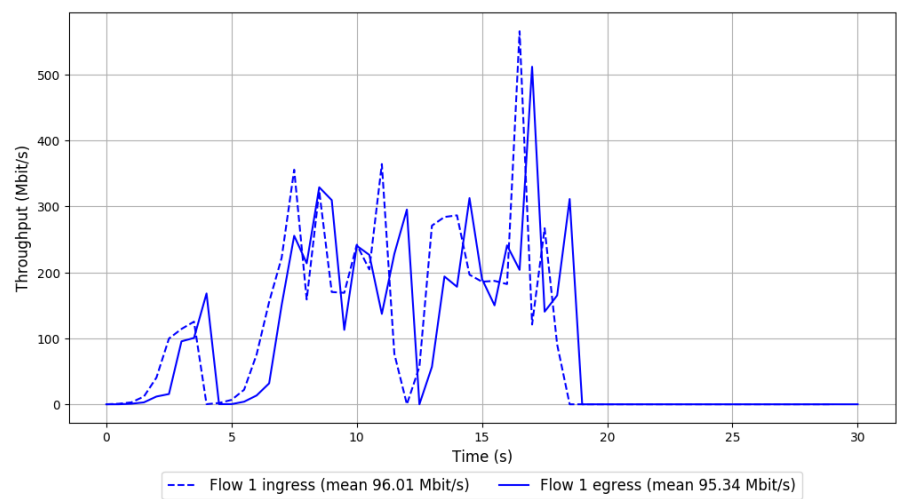


Run 1: Statistics of Verus

Start at: 2019-09-18 10:41:00
End at: 2019-09-18 10:41:30
Local clock offset: -0.22 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2019-09-18 15:12:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.34 Mbit/s
95th percentile per-packet one-way delay: 209.269 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 95.34 Mbit/s
95th percentile per-packet one-way delay: 209.269 ms
Loss rate: 0.70%

Run 1: Report of Verus — Data Link

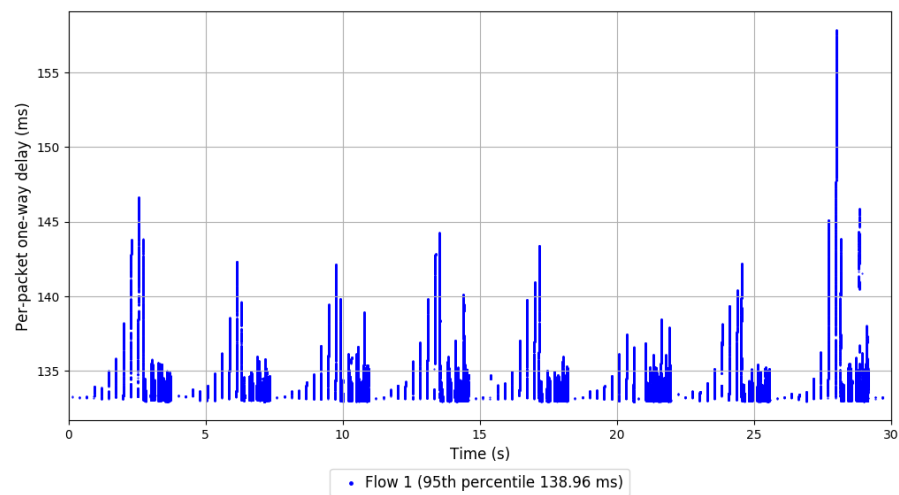
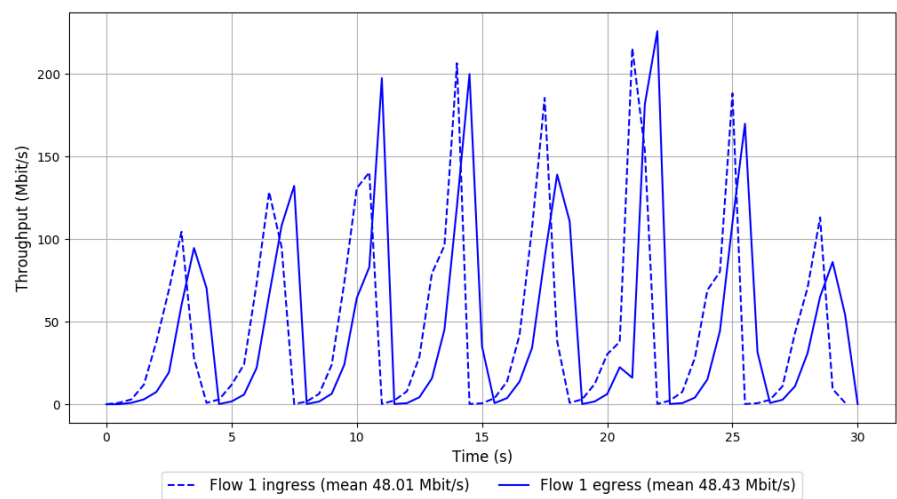


Run 2: Statistics of Verus

Start at: 2019-09-18 11:17:41
End at: 2019-09-18 11:18:11
Local clock offset: 0.118 ms
Remote clock offset: -0.217 ms

Below is generated by plot.py at 2019-09-18 15:12:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 48.43 Mbit/s
95th percentile per-packet one-way delay: 138.961 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 48.43 Mbit/s
95th percentile per-packet one-way delay: 138.961 ms
Loss rate: 0.03%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2019-09-18 11:54:39

End at: 2019-09-18 11:55:09

Local clock offset: 0.085 ms

Remote clock offset: 0.183 ms

Below is generated by plot.py at 2019-09-18 15:12:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.35 Mbit/s

95th percentile per-packet one-way delay: 225.124 ms

Loss rate: 5.07%

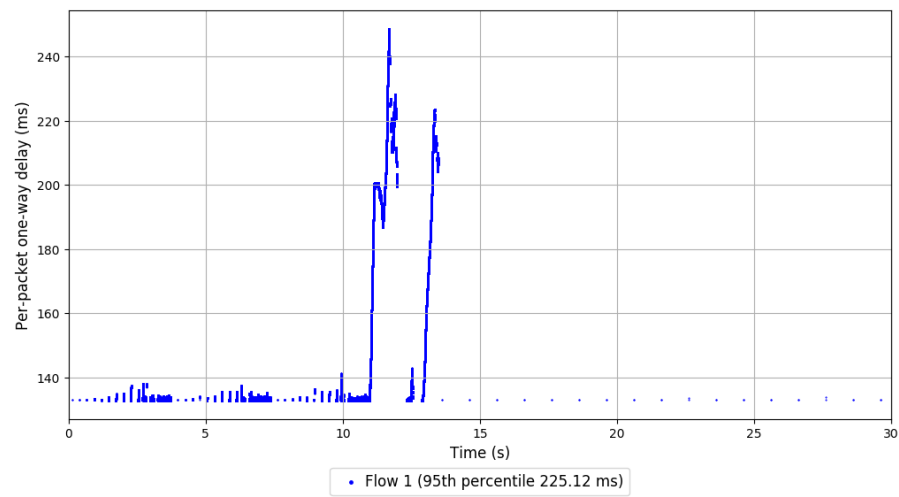
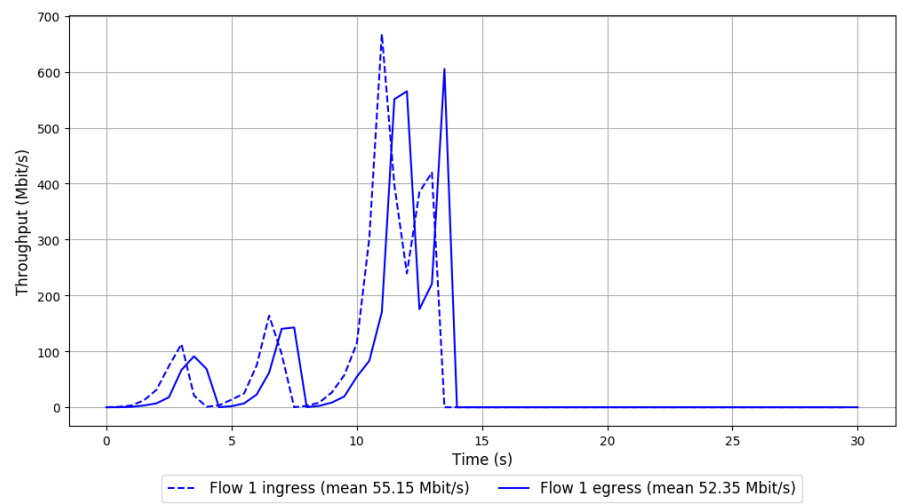
-- Flow 1:

Average throughput: 52.35 Mbit/s

95th percentile per-packet one-way delay: 225.124 ms

Loss rate: 5.07%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-09-18 12:31:12

End at: 2019-09-18 12:31:42

Local clock offset: -0.437 ms

Remote clock offset: 0.158 ms

Below is generated by plot.py at 2019-09-18 15:12:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.98 Mbit/s

95th percentile per-packet one-way delay: 203.927 ms

Loss rate: 0.04%

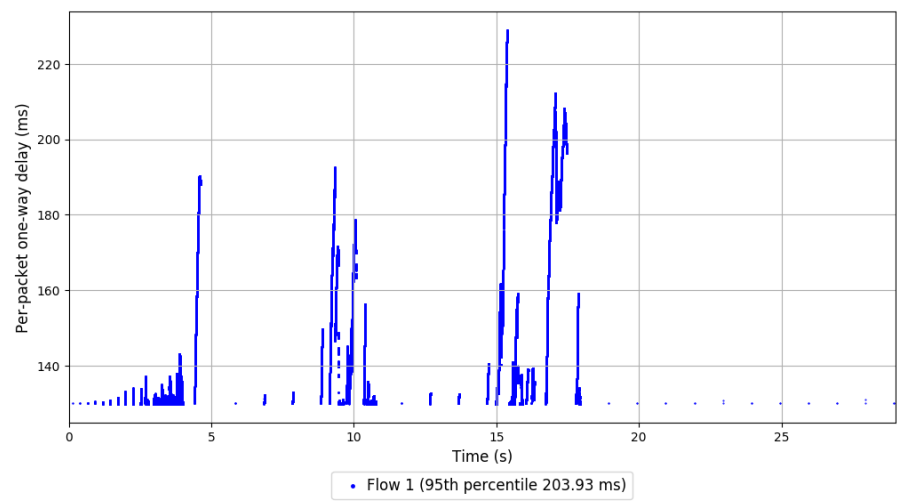
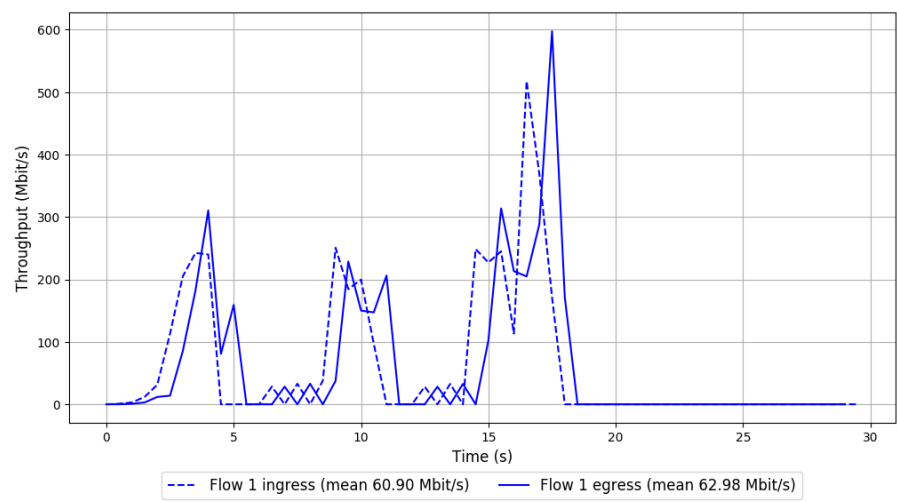
-- Flow 1:

Average throughput: 62.98 Mbit/s

95th percentile per-packet one-way delay: 203.927 ms

Loss rate: 0.04%

Run 4: Report of Verus — Data Link

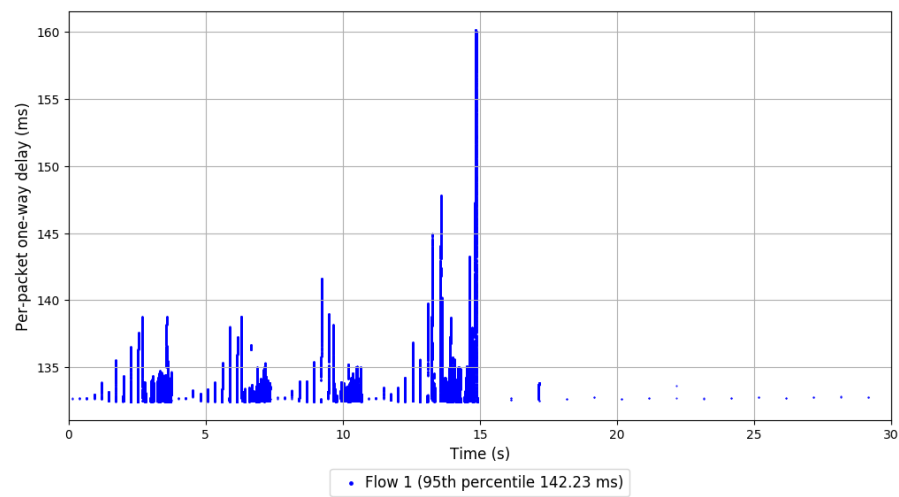
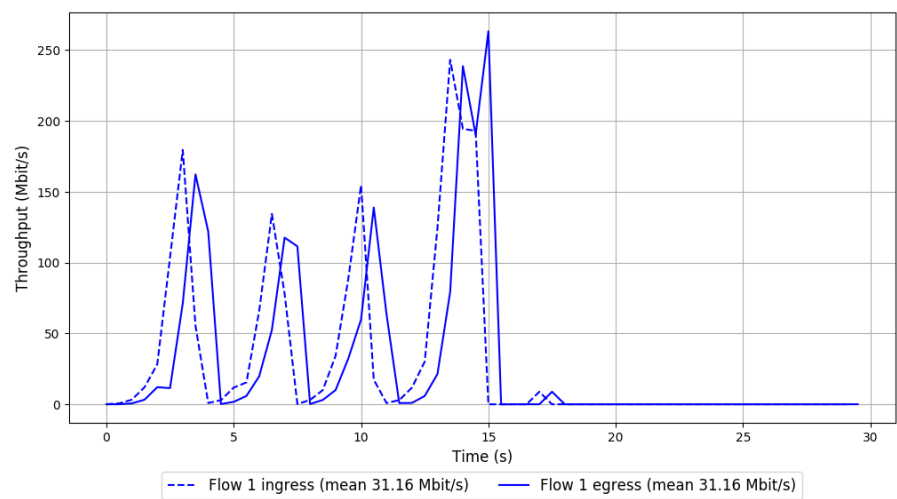


Run 5: Statistics of Verus

Start at: 2019-09-18 13:07:33
End at: 2019-09-18 13:08:03
Local clock offset: -0.212 ms
Remote clock offset: -0.166 ms

Below is generated by plot.py at 2019-09-18 15:12:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 31.16 Mbit/s
95th percentile per-packet one-way delay: 142.232 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 31.16 Mbit/s
95th percentile per-packet one-way delay: 142.232 ms
Loss rate: 0.00%

Run 5: Report of Verus — Data Link

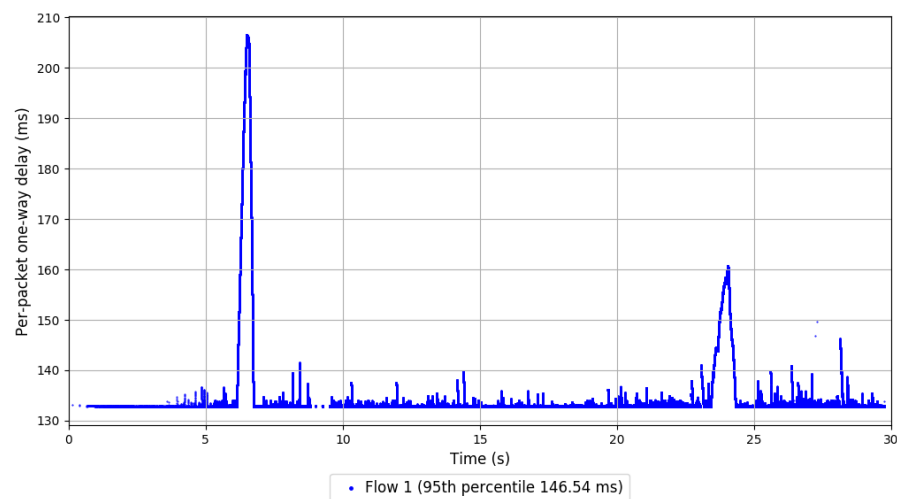
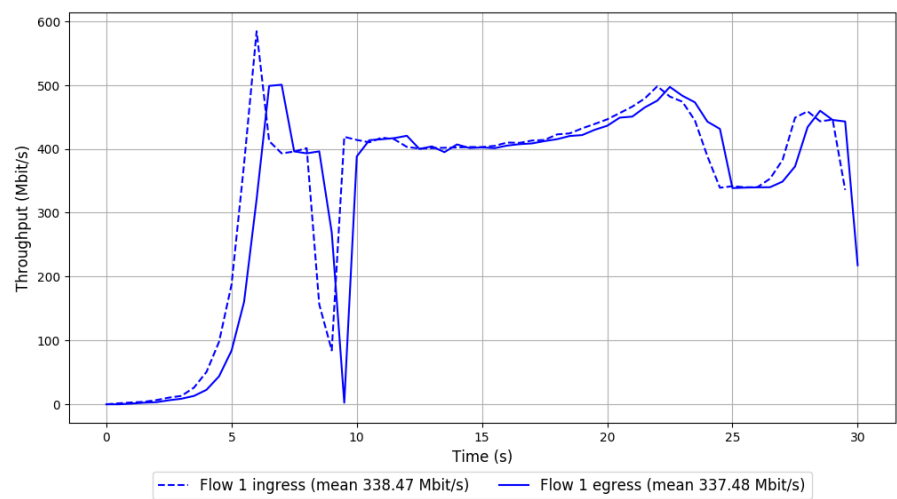


Run 1: Statistics of PCC-Vivace

Start at: 2019-09-18 10:49:50
End at: 2019-09-18 10:50:20
Local clock offset: -0.075 ms
Remote clock offset: -0.246 ms

Below is generated by plot.py at 2019-09-18 15:13:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 337.48 Mbit/s
95th percentile per-packet one-way delay: 146.543 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 337.48 Mbit/s
95th percentile per-packet one-way delay: 146.543 ms
Loss rate: 1.17%

Run 1: Report of PCC-Vivace — Data Link

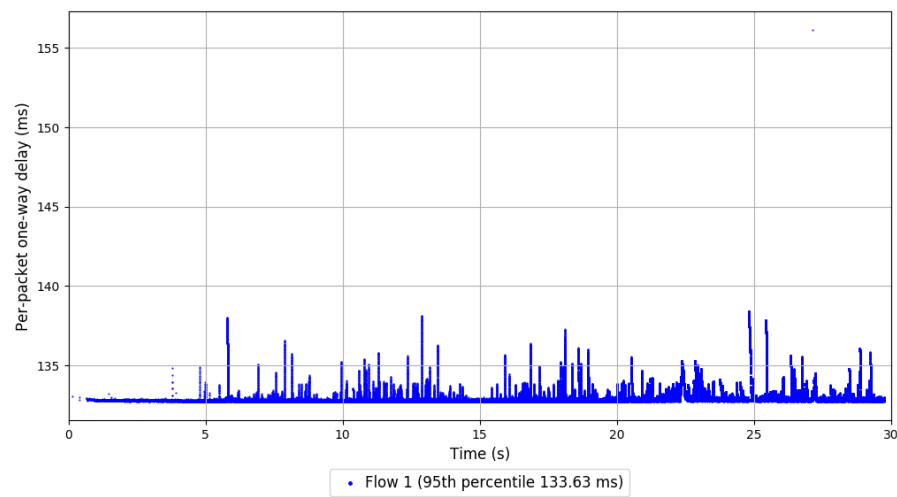
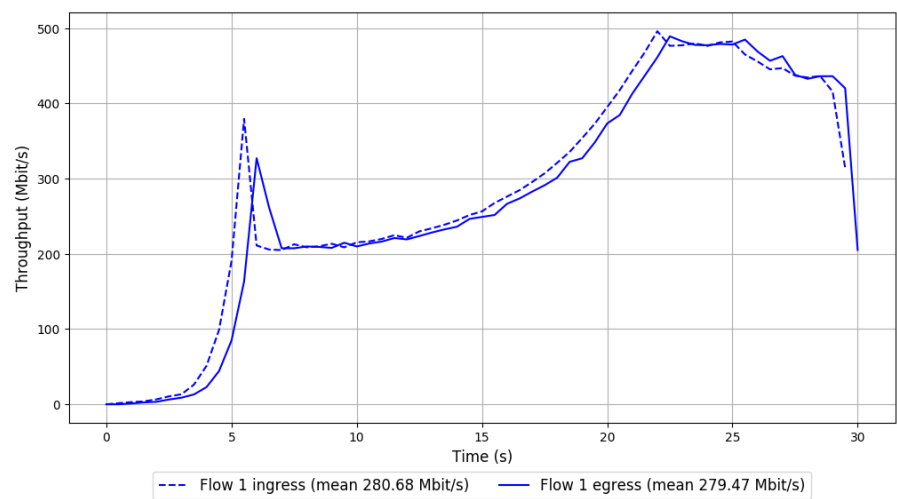


Run 2: Statistics of PCC-Vivace

Start at: 2019-09-18 11:26:47
End at: 2019-09-18 11:27:17
Local clock offset: -0.053 ms
Remote clock offset: -0.248 ms

Below is generated by plot.py at 2019-09-18 15:13:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 279.47 Mbit/s
95th percentile per-packet one-way delay: 133.626 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 279.47 Mbit/s
95th percentile per-packet one-way delay: 133.626 ms
Loss rate: 1.32%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-09-18 12:03:51

End at: 2019-09-18 12:04:21

Local clock offset: -0.13 ms

Remote clock offset: 0.206 ms

Below is generated by plot.py at 2019-09-18 15:14:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 311.86 Mbit/s

95th percentile per-packet one-way delay: 167.778 ms

Loss rate: 1.09%

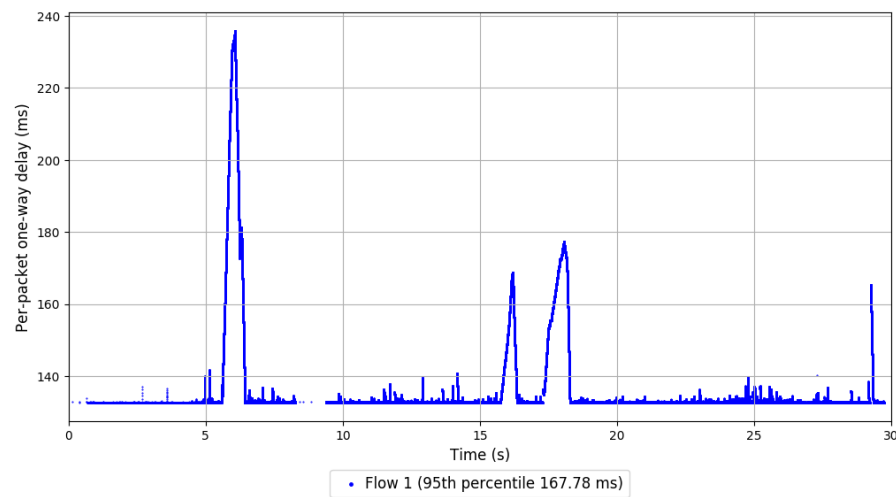
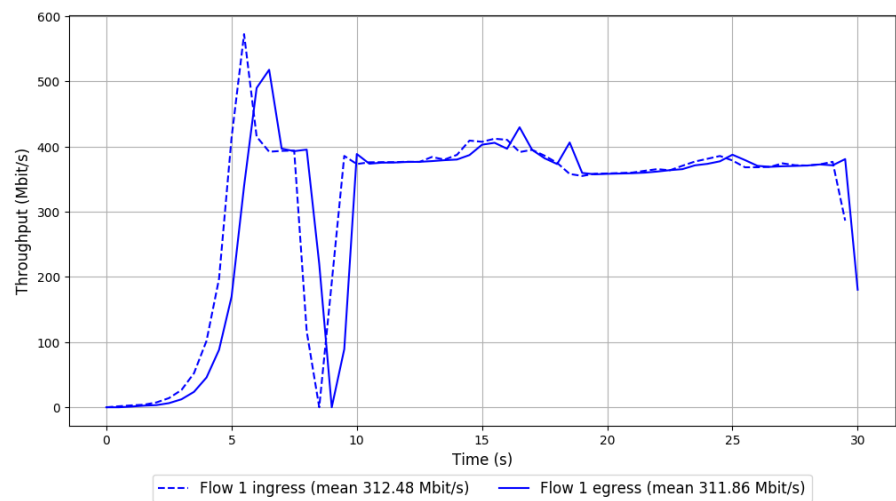
-- Flow 1:

Average throughput: 311.86 Mbit/s

95th percentile per-packet one-way delay: 167.778 ms

Loss rate: 1.09%

Run 3: Report of PCC-Vivace — Data Link

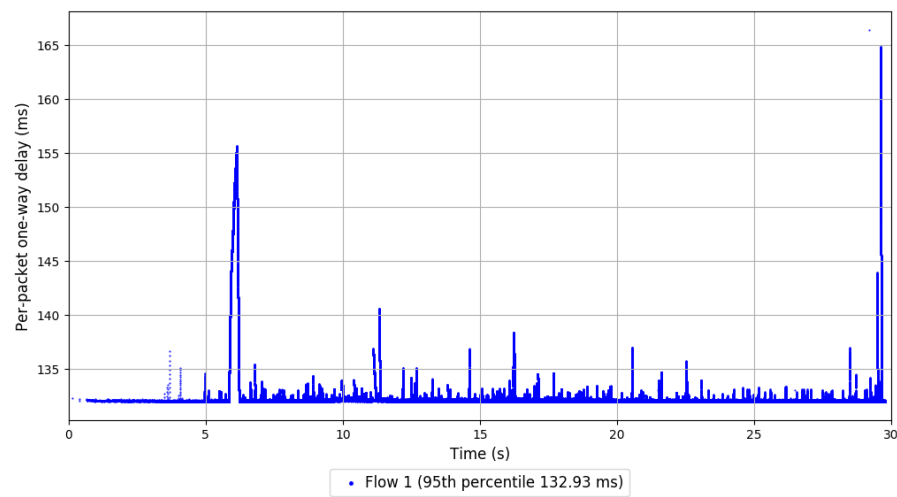
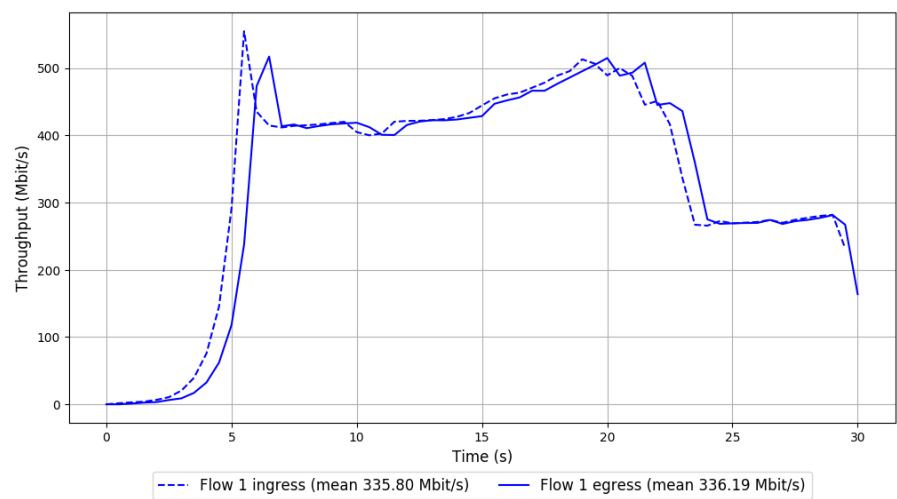


Run 4: Statistics of PCC-Vivace

Start at: 2019-09-18 12:40:27
End at: 2019-09-18 12:40:57
Local clock offset: -0.04 ms
Remote clock offset: -0.247 ms

Below is generated by plot.py at 2019-09-18 15:14:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 336.19 Mbit/s
95th percentile per-packet one-way delay: 132.926 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 336.19 Mbit/s
95th percentile per-packet one-way delay: 132.926 ms
Loss rate: 0.77%

Run 4: Report of PCC-Vivace — Data Link

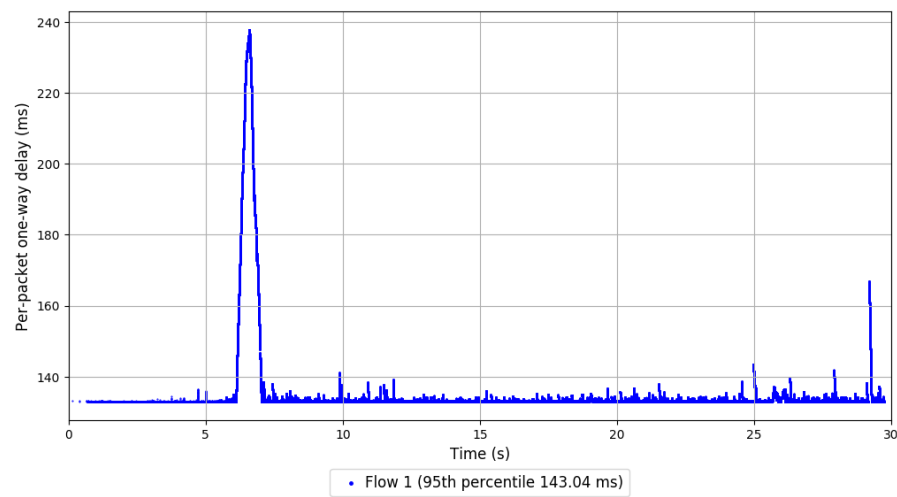
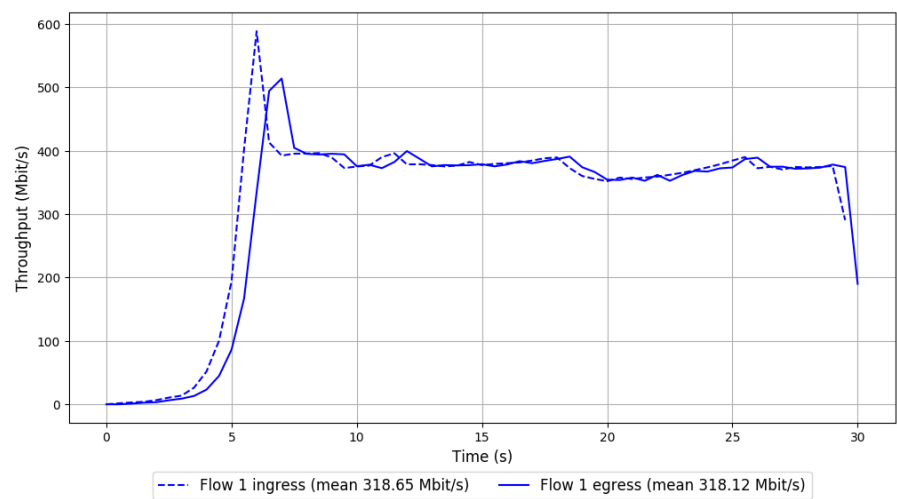


Run 5: Statistics of PCC-Vivace

Start at: 2019-09-18 13:16:45
End at: 2019-09-18 13:17:15
Local clock offset: 0.194 ms
Remote clock offset: -0.215 ms

Below is generated by plot.py at 2019-09-18 15:14:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 318.12 Mbit/s
95th percentile per-packet one-way delay: 143.042 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 318.12 Mbit/s
95th percentile per-packet one-way delay: 143.042 ms
Loss rate: 1.05%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

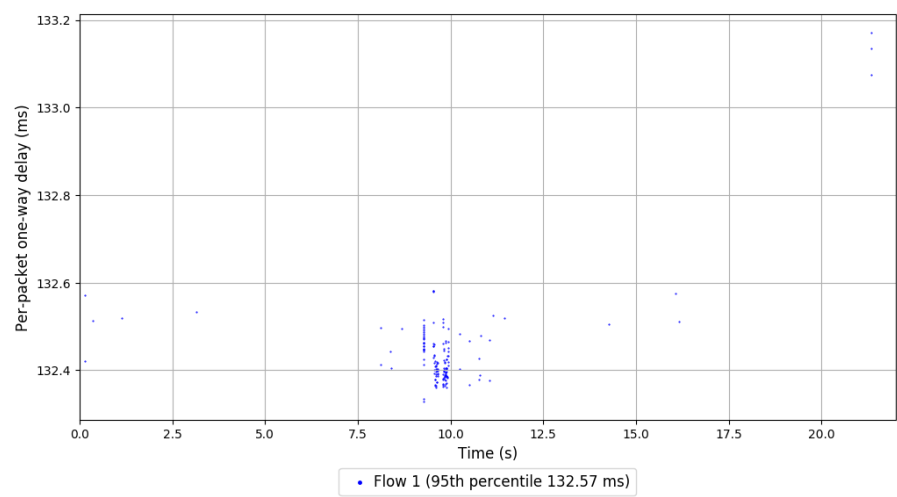
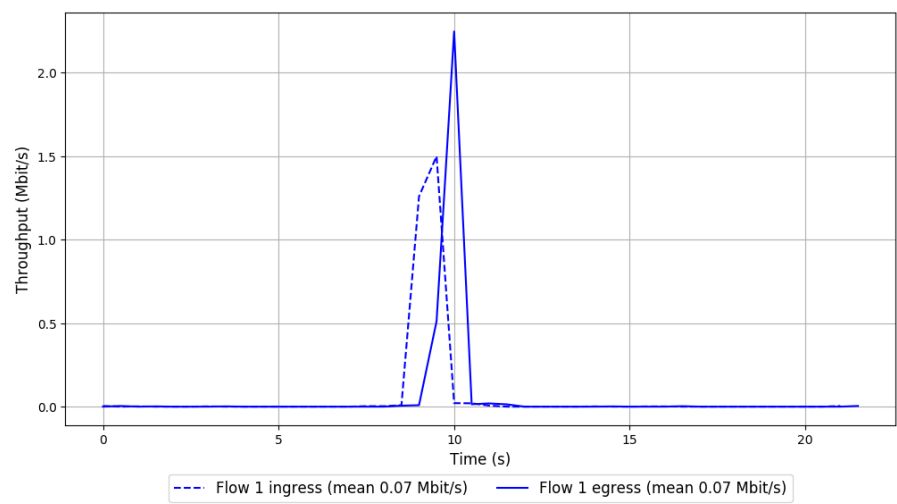
Start at: 2019-09-18 10:32:19

End at: 2019-09-18 10:32:49

Local clock offset: -0.069 ms

Remote clock offset: -0.18 ms

Run 1: Report of WebRTC media — Data Link

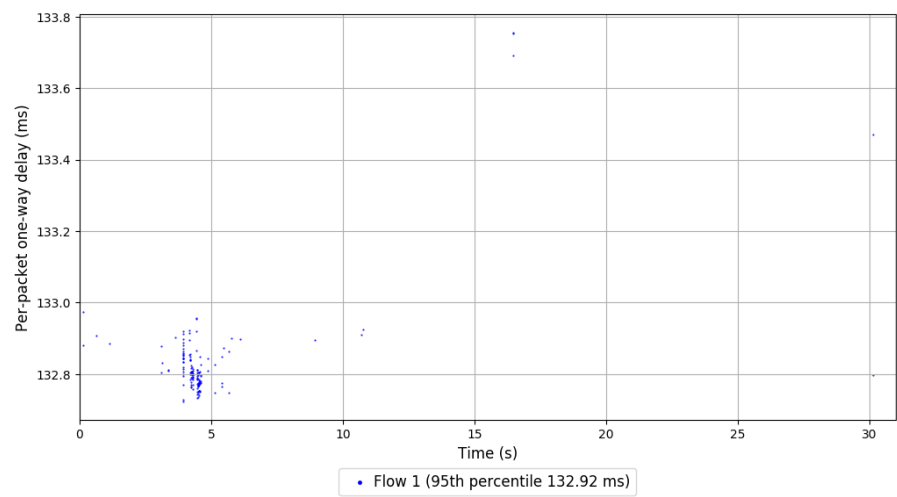
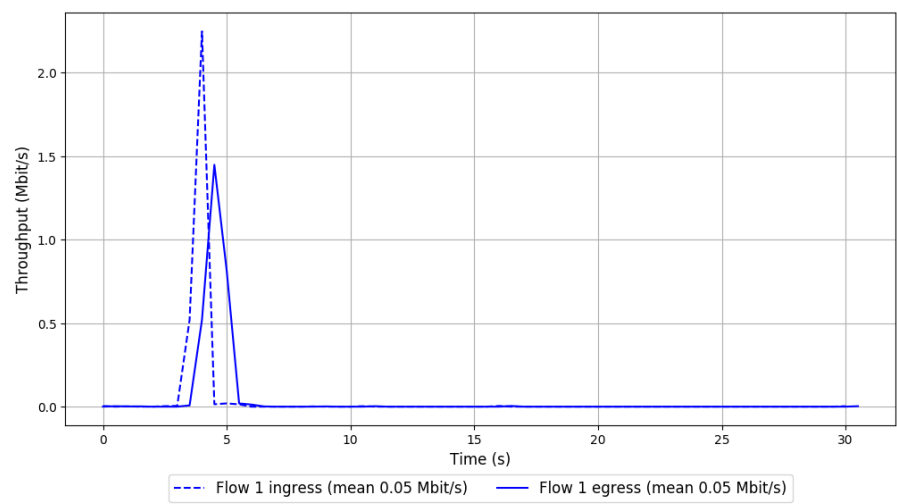


Run 2: Statistics of WebRTC media

Start at: 2019-09-18 11:08:54
End at: 2019-09-18 11:09:25
Local clock offset: 0.345 ms
Remote clock offset: -0.158 ms

Below is generated by plot.py at 2019-09-18 15:14:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 132.922 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 132.922 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

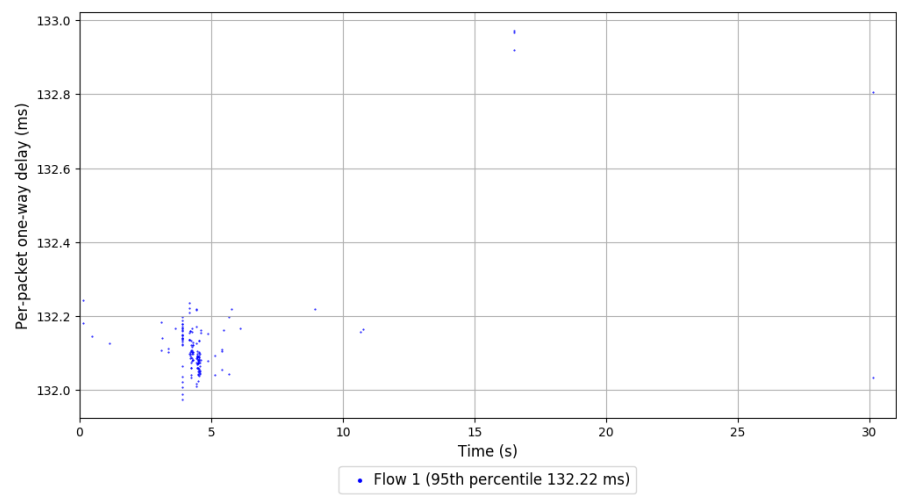
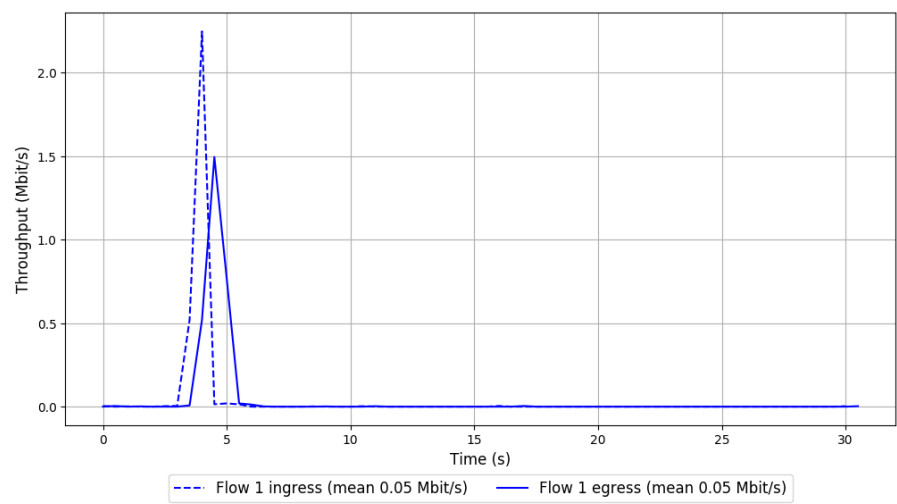


Run 3: Statistics of WebRTC media

Start at: 2019-09-18 11:45:56
End at: 2019-09-18 11:46:26
Local clock offset: -0.038 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2019-09-18 15:14:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 132.219 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 132.219 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-09-18 12:22:36

End at: 2019-09-18 12:23:06

Local clock offset: 0.097 ms

Remote clock offset: 0.225 ms

Below is generated by plot.py at 2019-09-18 15:14:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 133.006 ms

Loss rate: 0.00%

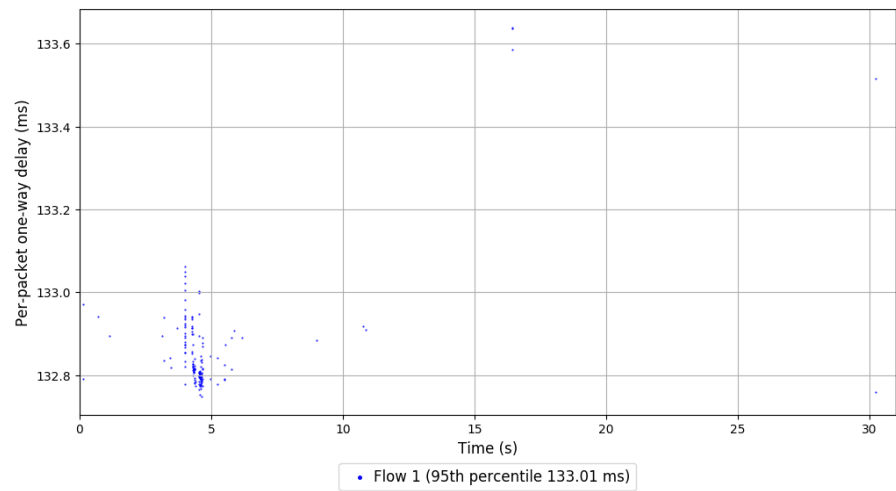
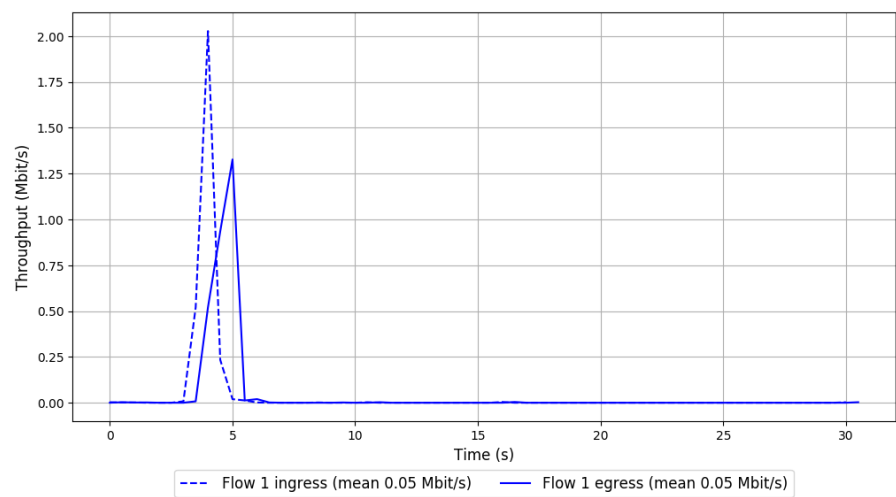
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 133.006 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-09-18 12:58:46
End at: 2019-09-18 12:59:16
Local clock offset: 0.288 ms
Remote clock offset: -0.288 ms

Below is generated by plot.py at 2019-09-18 15:14:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 133.649 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 133.649 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

