

Pantheon Report

Generated at 2019-02-20 11:55:59 (UTC).

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

Repeated the test of 21 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:

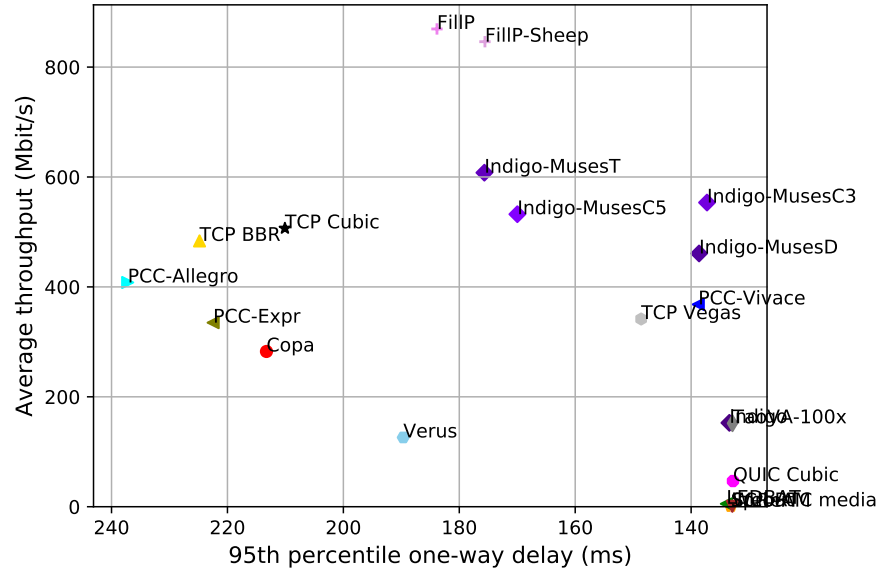
```
Linux 4.15.0-1026-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

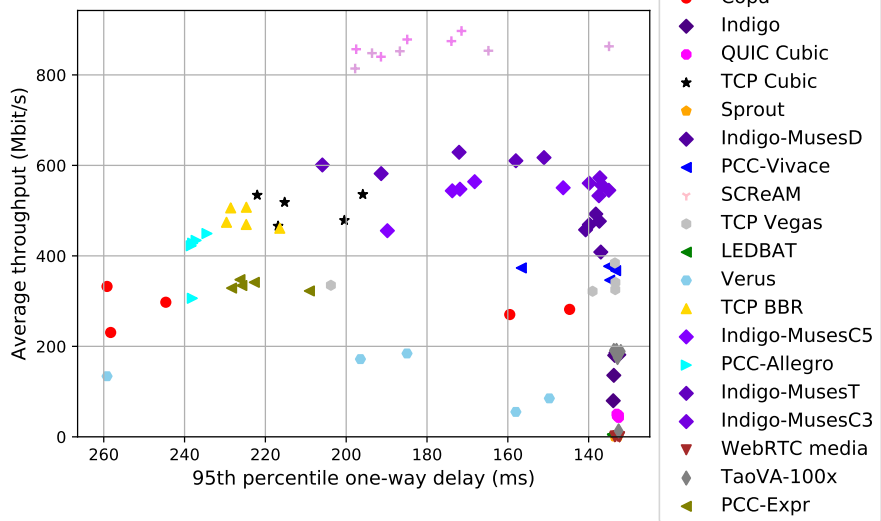
```
branch: muses @ 7a686f7c2ed0a333082c0bab1fa5c921ab47e6ee
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd9c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
```

third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851

test from GCE Sydney to GCE London, 5 runs of 30s each per scheme
(mean of all runs by scheme)



test from GCE Sydney to GCE London, 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	483.71	224.82	0.88
Copa	5	282.53	213.27	0.12
TCP Cubic	5	506.57	210.09	0.16
FillP	5	869.39	183.85	1.38
FillP-Sheep	5	846.22	175.57	1.24
Indigo	5	152.63	133.40	0.00
Indigo-MusesC3	5	553.51	137.26	0.00
Indigo-MusesC5	5	532.29	169.98	0.11
Indigo-MusesD	5	460.85	138.63	0.01
Indigo-MusesT	5	607.85	175.67	0.07
LEDBAT	5	5.27	133.92	0.00
PCC-Allegro	5	408.06	237.21	1.80
PCC-Expr	5	334.95	222.47	3.70
QUIC Cubic	4	46.74	132.78	0.00
SCReAM	5	0.17	132.98	0.00
Sprout	5	0.65	133.16	0.00
TaoVA-100x	5	151.81	132.87	0.00
TCP Vegas	5	341.56	148.62	0.09
Verus	5	126.06	189.67	0.54
PCC-Vivace	5	368.17	138.77	0.12
WebRTC media	5	0.82	132.89	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-02-20 07:00:32

End at: 2019-02-20 07:01:02

Local clock offset: 0.121 ms

Remote clock offset: -0.024 ms

Below is generated by plot.py at 2019-02-20 10:21:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 506.08 Mbit/s

95th percentile per-packet one-way delay: 228.582 ms

Loss rate: 0.73%

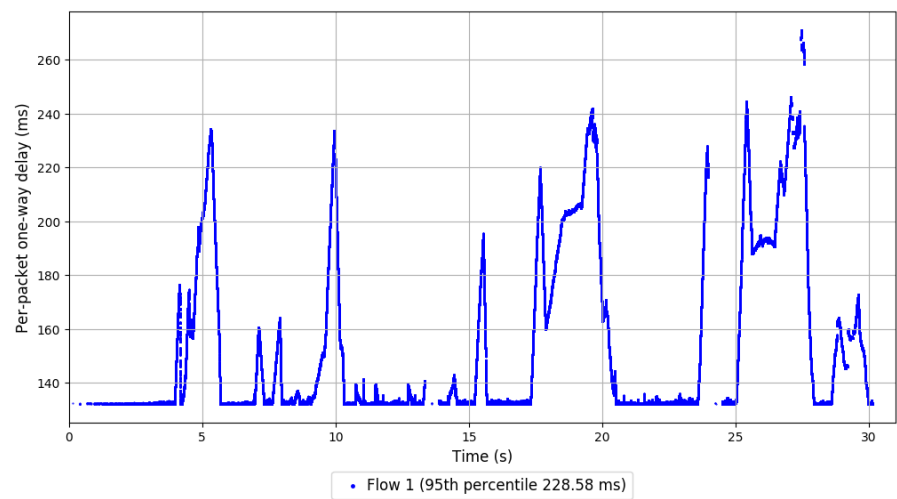
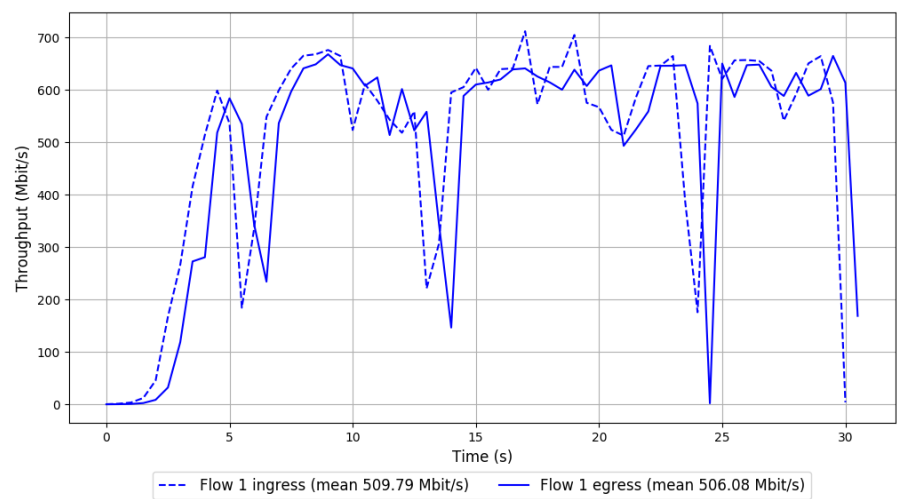
-- Flow 1:

Average throughput: 506.08 Mbit/s

95th percentile per-packet one-way delay: 228.582 ms

Loss rate: 0.73%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-02-20 07:42:48

End at: 2019-02-20 07:43:18

Local clock offset: -0.286 ms

Remote clock offset: -0.408 ms

Below is generated by plot.py at 2019-02-20 10:21:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 461.15 Mbit/s

95th percentile per-packet one-way delay: 216.433 ms

Loss rate: 0.90%

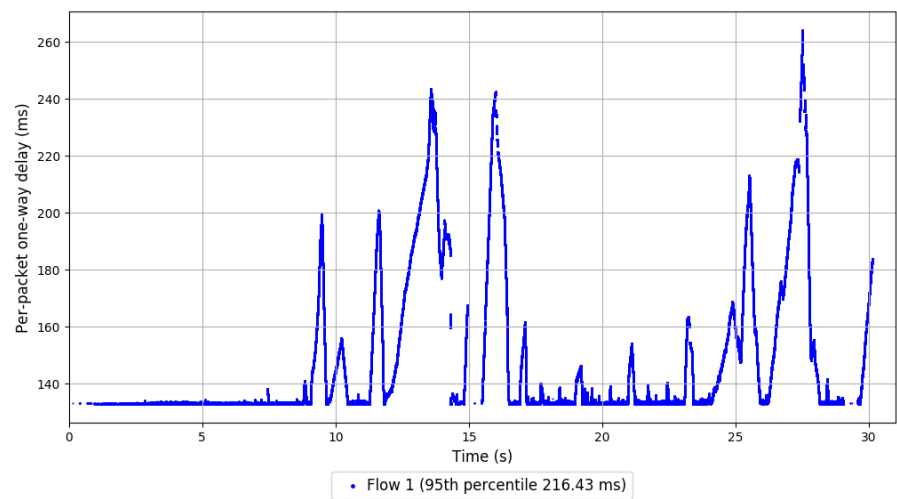
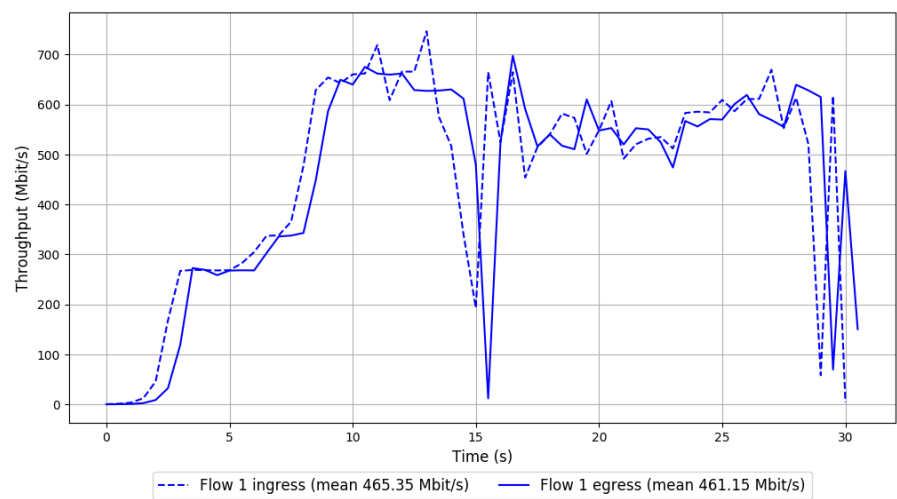
-- Flow 1:

Average throughput: 461.15 Mbit/s

95th percentile per-packet one-way delay: 216.433 ms

Loss rate: 0.90%

Run 2: Report of TCP BBR — Data Link

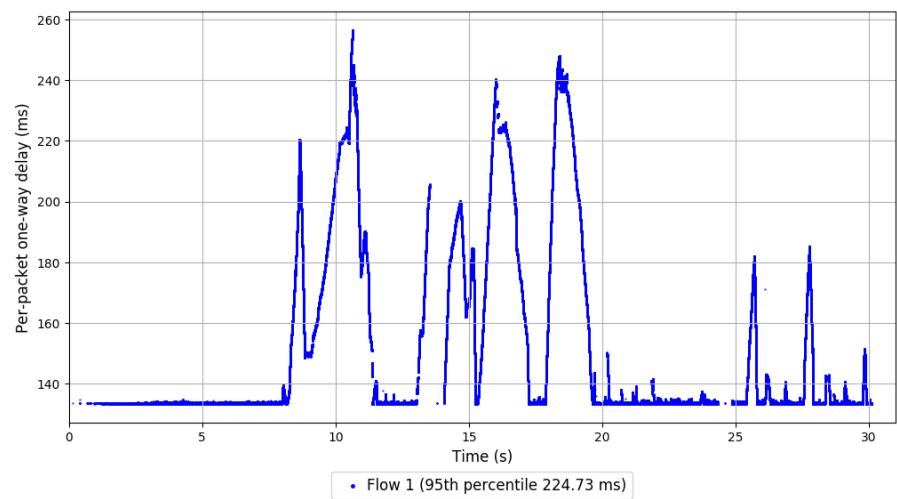
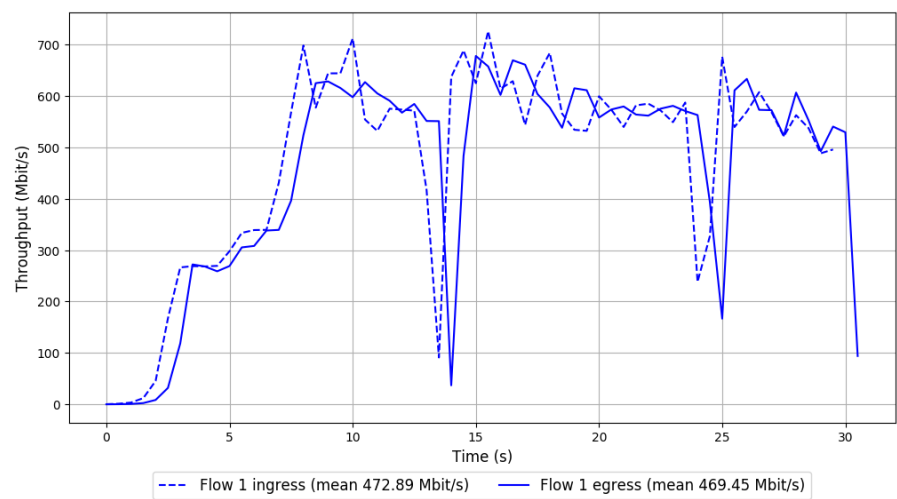


Run 3: Statistics of TCP BBR

Start at: 2019-02-20 08:23:49
End at: 2019-02-20 08:24:19
Local clock offset: -0.411 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2019-02-20 10:21:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 469.45 Mbit/s
95th percentile per-packet one-way delay: 224.733 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 469.45 Mbit/s
95th percentile per-packet one-way delay: 224.733 ms
Loss rate: 0.73%

Run 3: Report of TCP BBR — Data Link

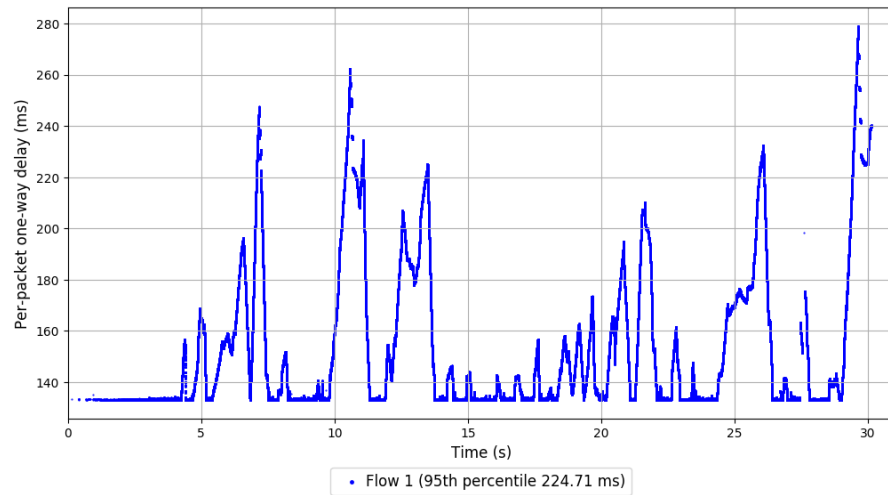
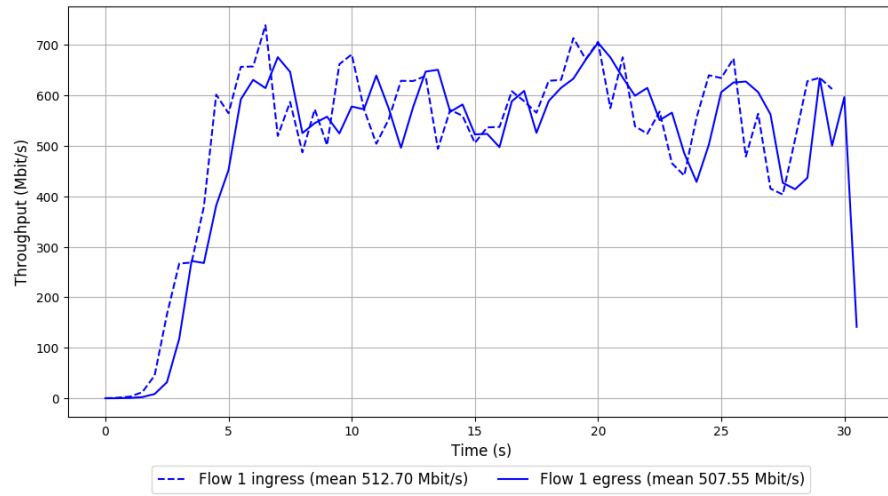


Run 4: Statistics of TCP BBR

Start at: 2019-02-20 09:03:28
End at: 2019-02-20 09:03:58
Local clock offset: -0.237 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2019-02-20 10:21:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 507.55 Mbit/s
95th percentile per-packet one-way delay: 224.711 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 507.55 Mbit/s
95th percentile per-packet one-way delay: 224.711 ms
Loss rate: 1.01%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-02-20 09:42:41

End at: 2019-02-20 09:43:11

Local clock offset: -0.14 ms

Remote clock offset: -0.121 ms

Below is generated by plot.py at 2019-02-20 10:21:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 474.31 Mbit/s

95th percentile per-packet one-way delay: 229.620 ms

Loss rate: 1.04%

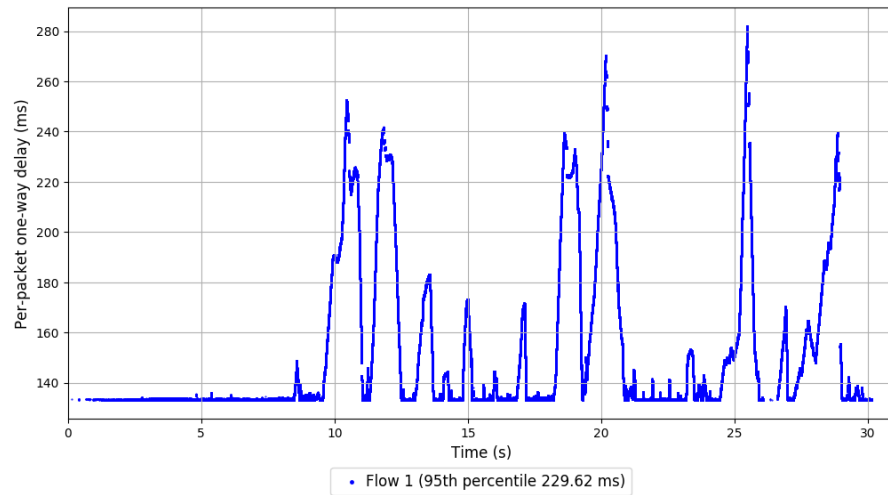
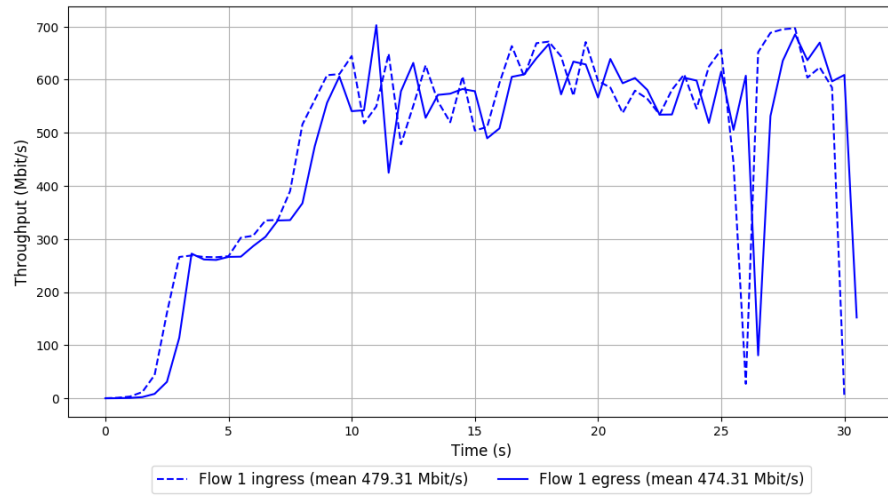
-- Flow 1:

Average throughput: 474.31 Mbit/s

95th percentile per-packet one-way delay: 229.620 ms

Loss rate: 1.04%

Run 5: Report of TCP BBR — Data Link

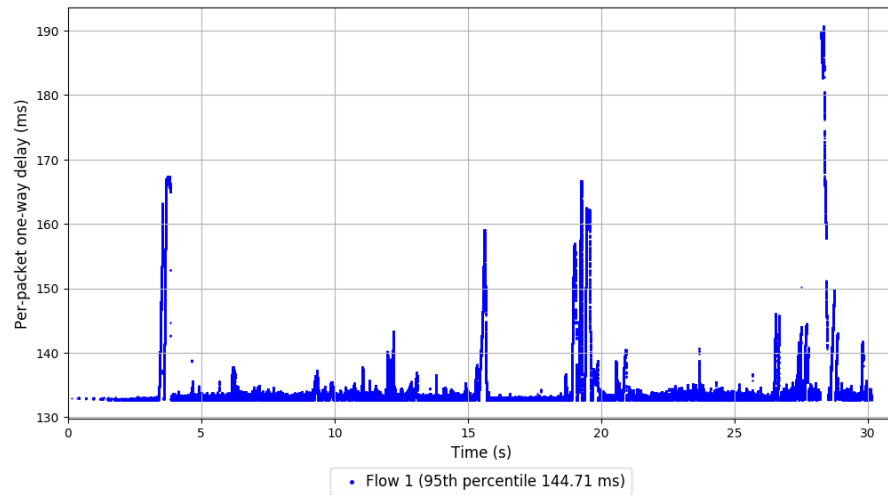
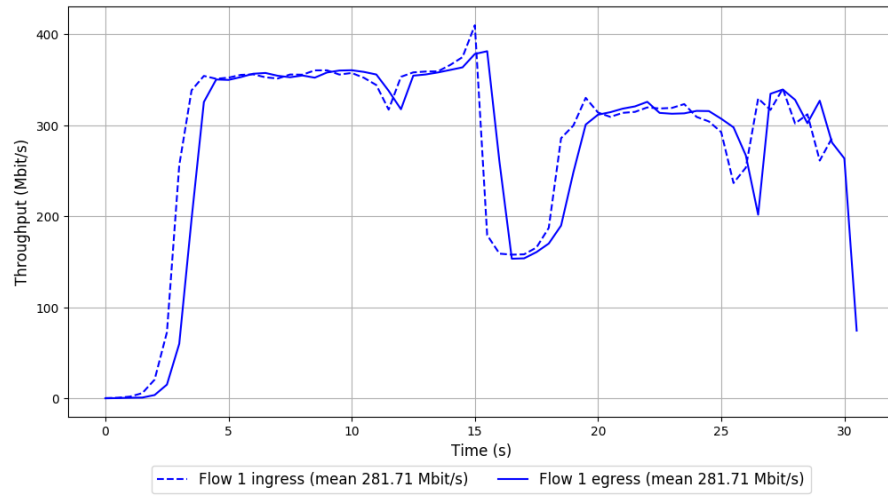


Run 1: Statistics of Copa

Start at: 2019-02-20 06:56:01
End at: 2019-02-20 06:56:31
Local clock offset: 0.153 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2019-02-20 10:21:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 281.71 Mbit/s
95th percentile per-packet one-way delay: 144.707 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 281.71 Mbit/s
95th percentile per-packet one-way delay: 144.707 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

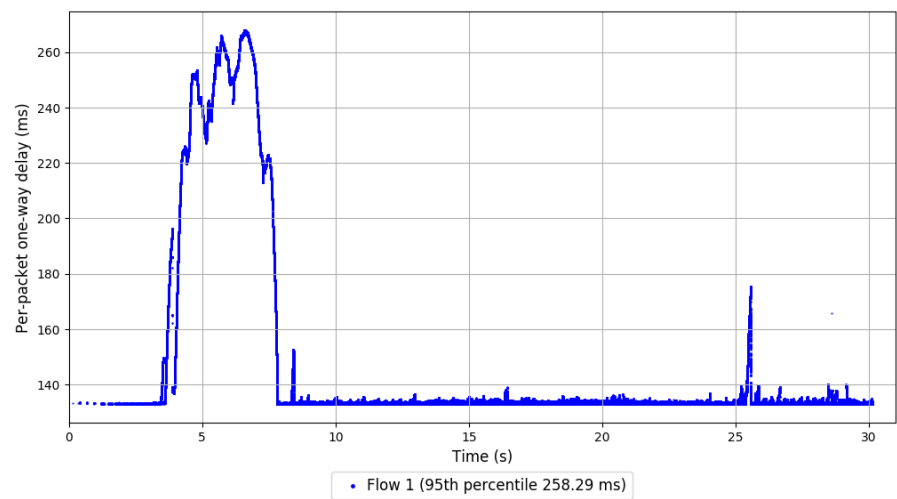
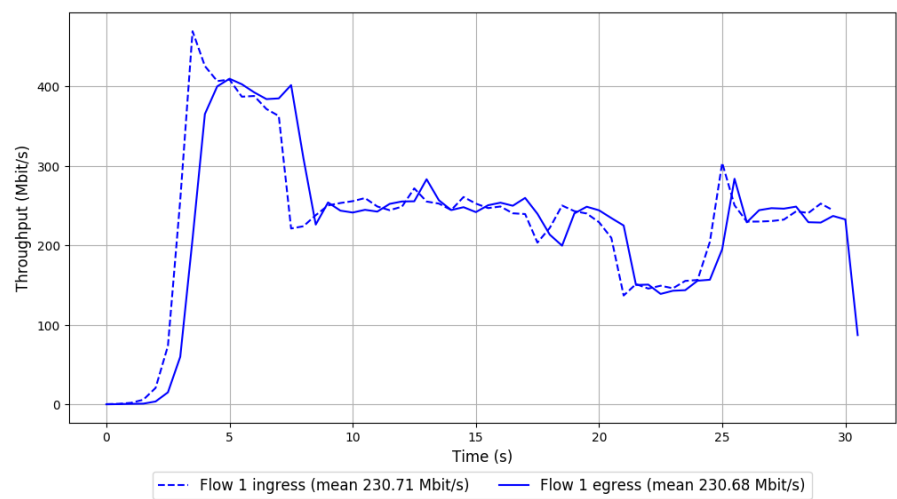


Run 2: Statistics of Copa

Start at: 2019-02-20 07:37:40
End at: 2019-02-20 07:38:10
Local clock offset: -0.16 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2019-02-20 10:21:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 230.68 Mbit/s
95th percentile per-packet one-way delay: 258.288 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 230.68 Mbit/s
95th percentile per-packet one-way delay: 258.288 ms
Loss rate: 0.01%

Run 2: Report of Copa — Data Link

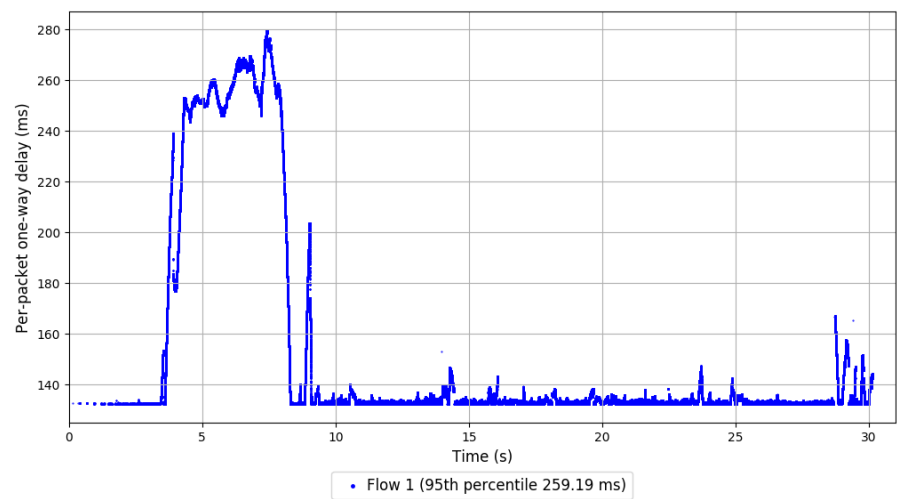
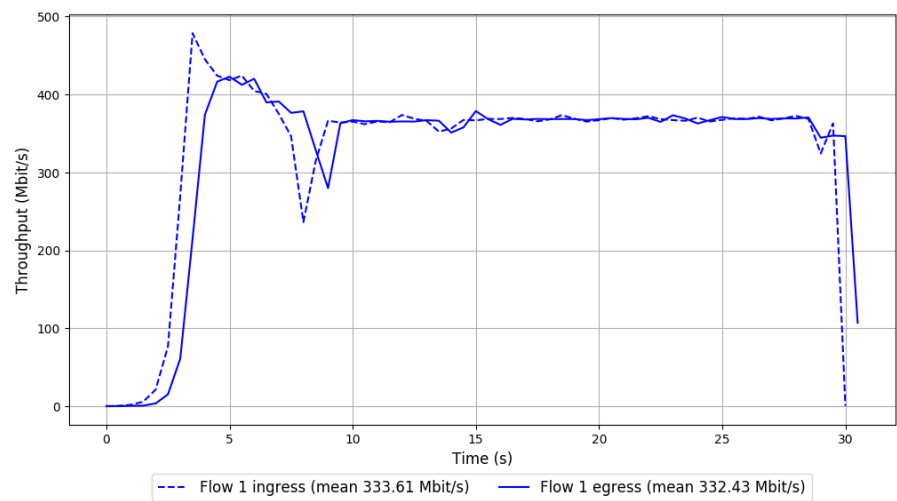


Run 3: Statistics of Copa

Start at: 2019-02-20 08:18:35
End at: 2019-02-20 08:19:05
Local clock offset: 0.423 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2019-02-20 10:23:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 332.43 Mbit/s
95th percentile per-packet one-way delay: 259.187 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 332.43 Mbit/s
95th percentile per-packet one-way delay: 259.187 ms
Loss rate: 0.36%

Run 3: Report of Copa — Data Link

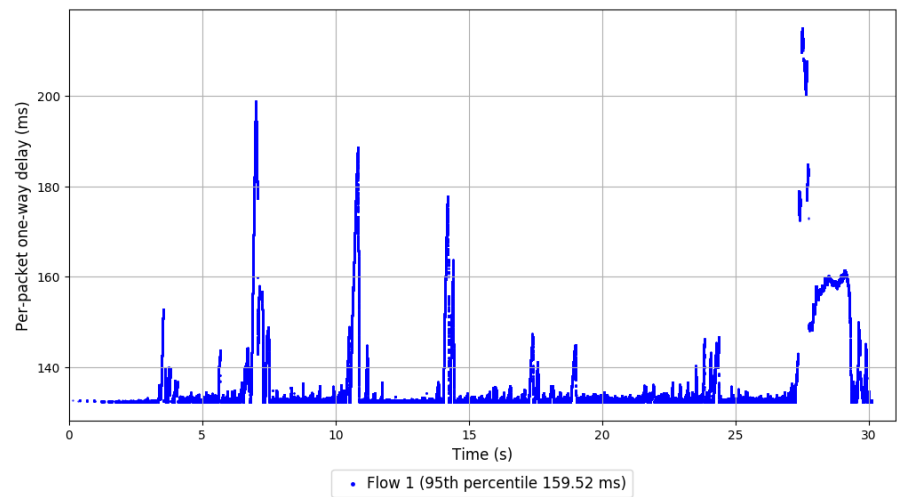
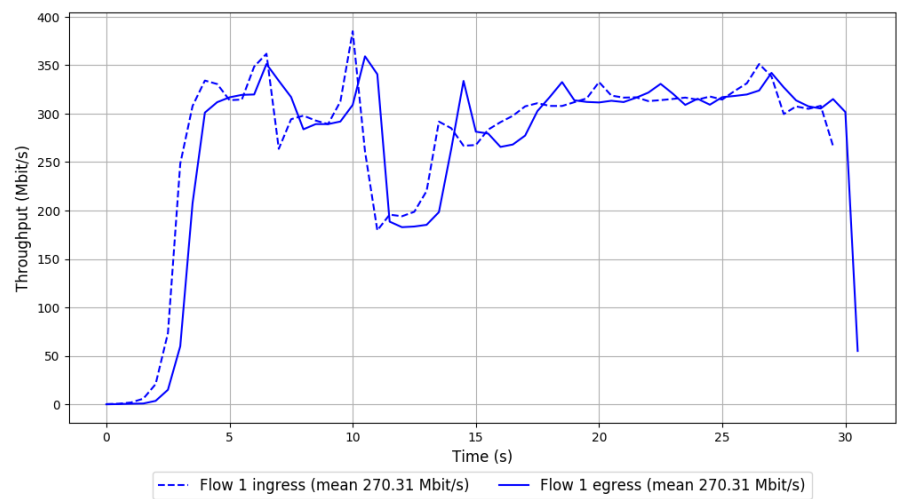


Run 4: Statistics of Copa

Start at: 2019-02-20 08:58:46
End at: 2019-02-20 08:59:16
Local clock offset: -0.028 ms
Remote clock offset: -0.428 ms

Below is generated by plot.py at 2019-02-20 10:29:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 270.31 Mbit/s
95th percentile per-packet one-way delay: 159.521 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 270.31 Mbit/s
95th percentile per-packet one-way delay: 159.521 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

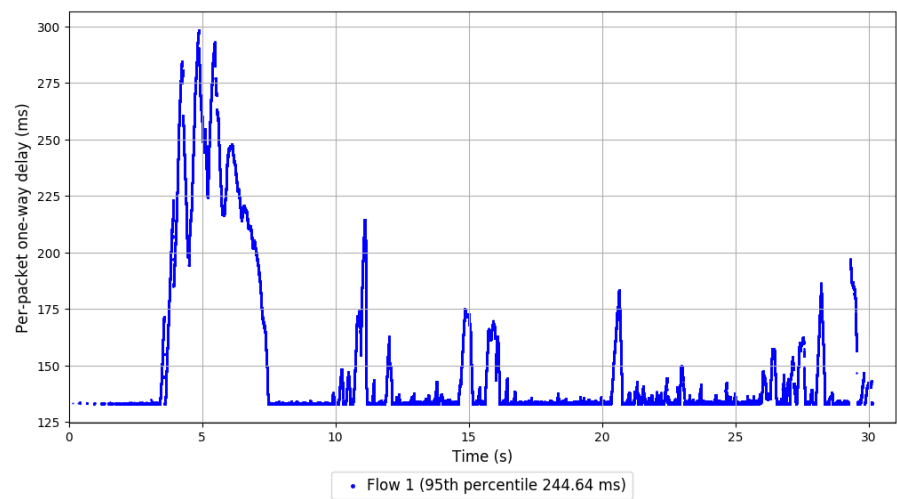
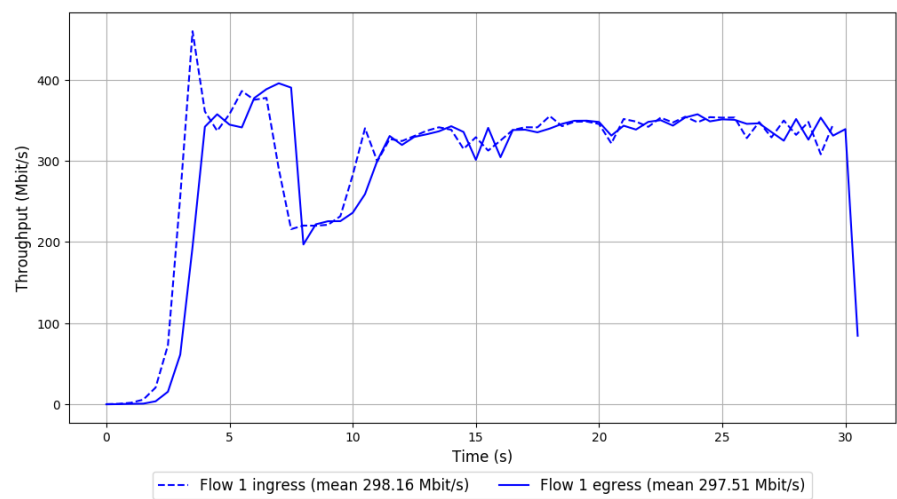


Run 5: Statistics of Copa

Start at: 2019-02-20 09:38:14
End at: 2019-02-20 09:38:44
Local clock offset: -0.308 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2019-02-20 10:31:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 297.51 Mbit/s
95th percentile per-packet one-way delay: 244.639 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 297.51 Mbit/s
95th percentile per-packet one-way delay: 244.639 ms
Loss rate: 0.22%

Run 5: Report of Copa — Data Link

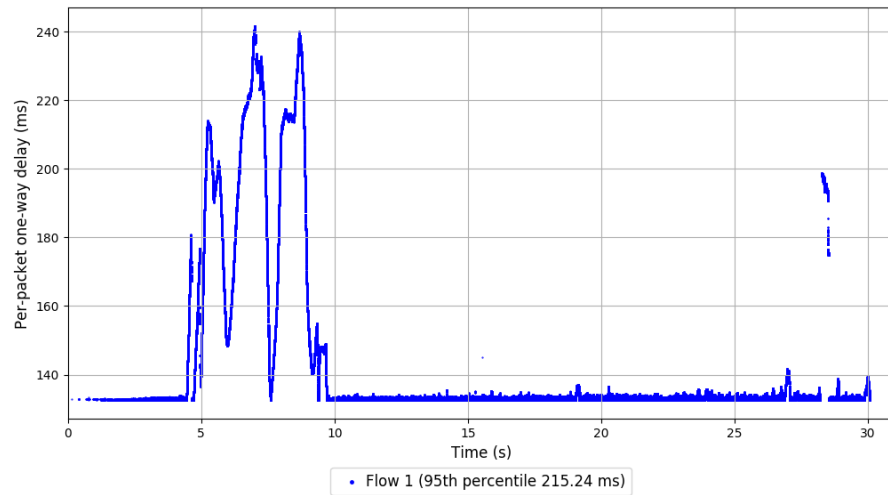
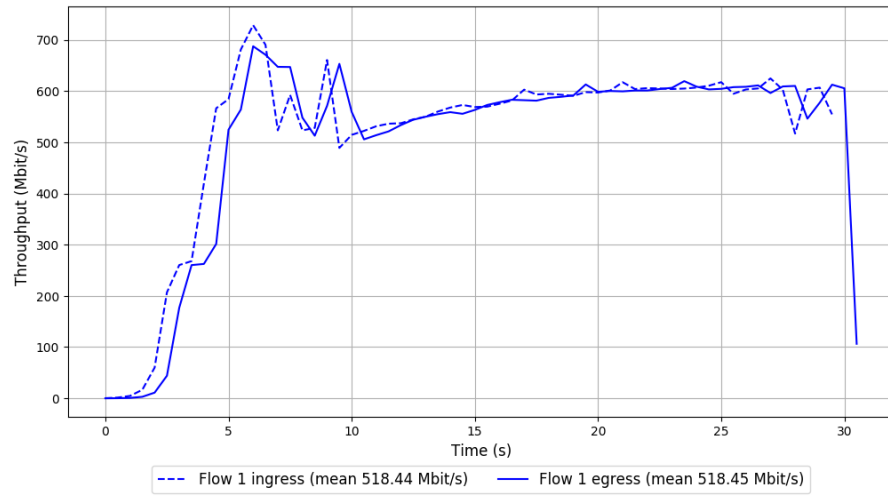


Run 1: Statistics of TCP Cubic

Start at: 2019-02-20 06:41:27
End at: 2019-02-20 06:41:57
Local clock offset: 0.181 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2019-02-20 10:31:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 518.45 Mbit/s
95th percentile per-packet one-way delay: 215.235 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 518.45 Mbit/s
95th percentile per-packet one-way delay: 215.235 ms
Loss rate: 0.11%

Run 1: Report of TCP Cubic — Data Link

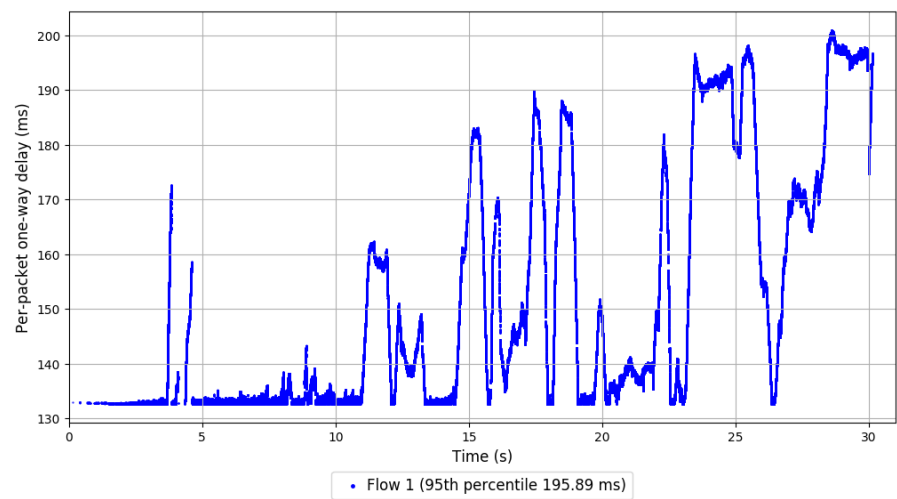
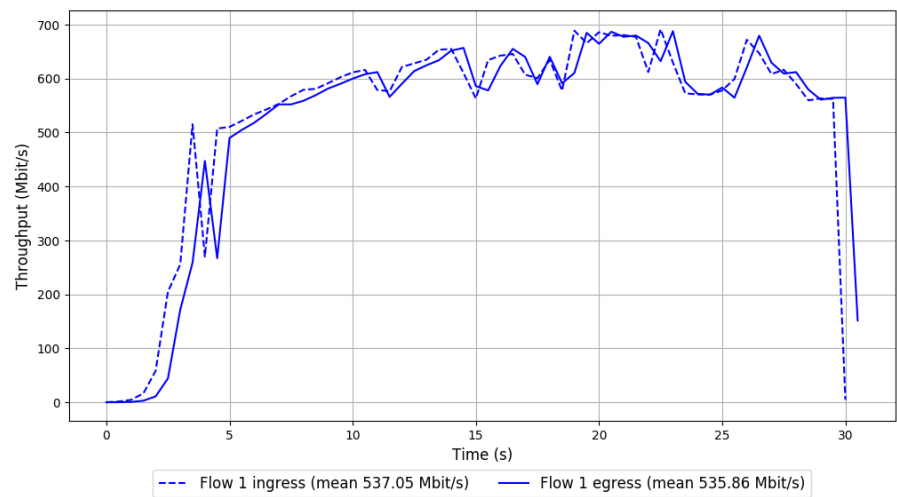


Run 2: Statistics of TCP Cubic

Start at: 2019-02-20 07:21:49
End at: 2019-02-20 07:22:19
Local clock offset: -0.01 ms
Remote clock offset: -0.471 ms

Below is generated by plot.py at 2019-02-20 10:31:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 535.86 Mbit/s
95th percentile per-packet one-way delay: 195.886 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 535.86 Mbit/s
95th percentile per-packet one-way delay: 195.886 ms
Loss rate: 0.22%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-02-20 08:03:40

End at: 2019-02-20 08:04:10

Local clock offset: -0.258 ms

Remote clock offset: 0.349 ms

Below is generated by plot.py at 2019-02-20 10:31:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 465.86 Mbit/s

95th percentile per-packet one-way delay: 216.853 ms

Loss rate: 0.18%

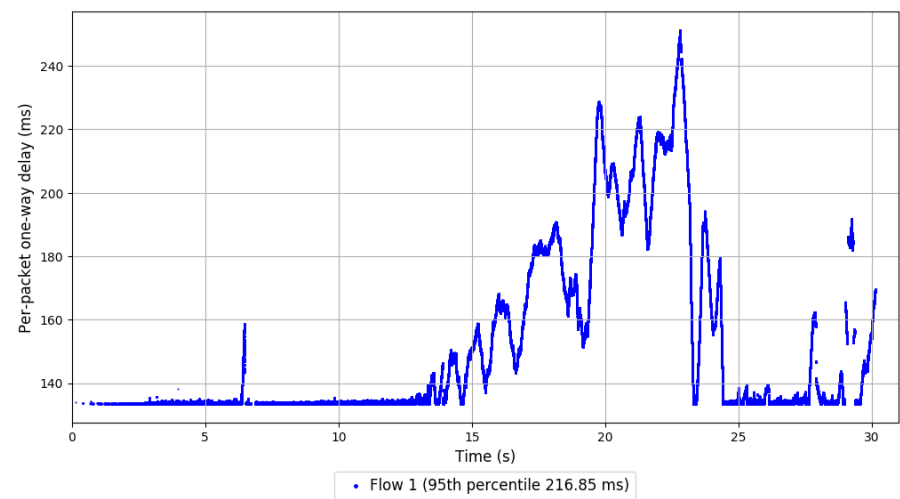
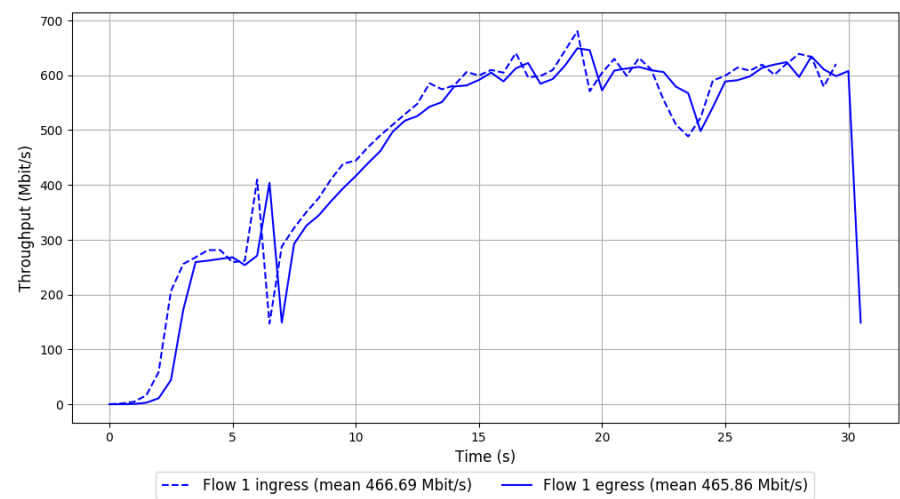
-- Flow 1:

Average throughput: 465.86 Mbit/s

95th percentile per-packet one-way delay: 216.853 ms

Loss rate: 0.18%

Run 3: Report of TCP Cubic — Data Link

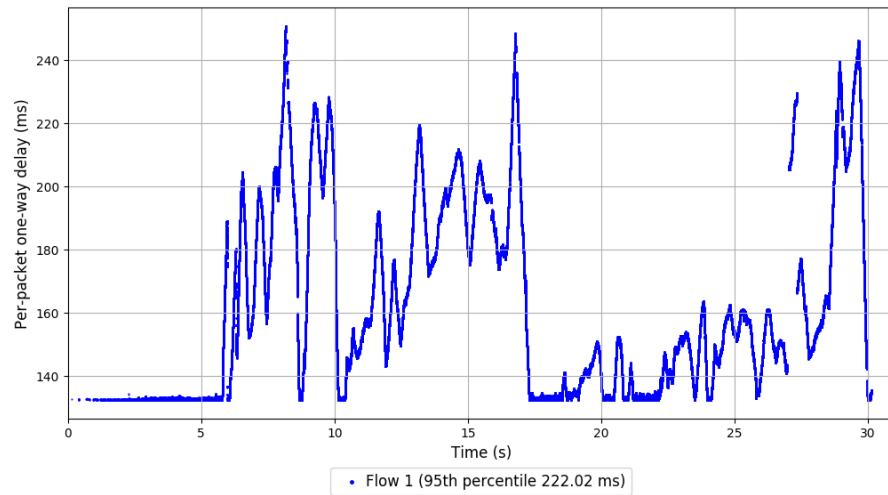
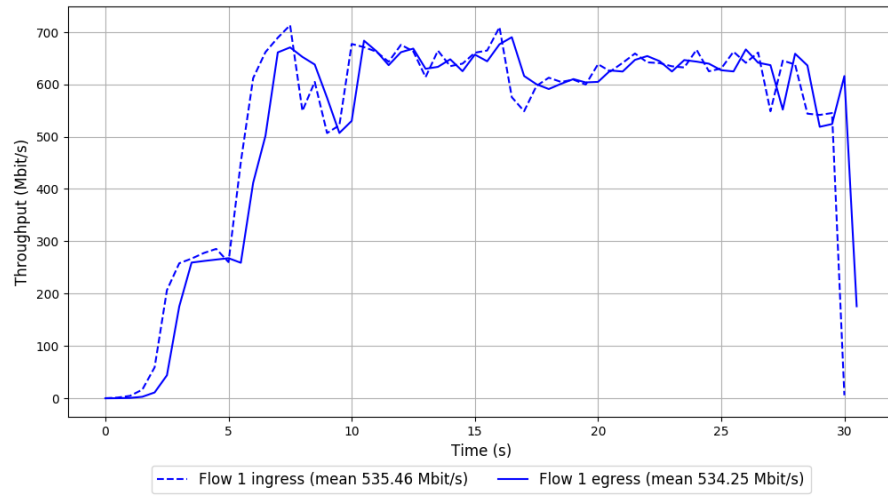


Run 4: Statistics of TCP Cubic

Start at: 2019-02-20 08:44:15
End at: 2019-02-20 08:44:45
Local clock offset: 0.421 ms
Remote clock offset: -0.163 ms

Below is generated by plot.py at 2019-02-20 10:31:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 534.25 Mbit/s
95th percentile per-packet one-way delay: 222.016 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 534.25 Mbit/s
95th percentile per-packet one-way delay: 222.016 ms
Loss rate: 0.23%

Run 4: Report of TCP Cubic — Data Link

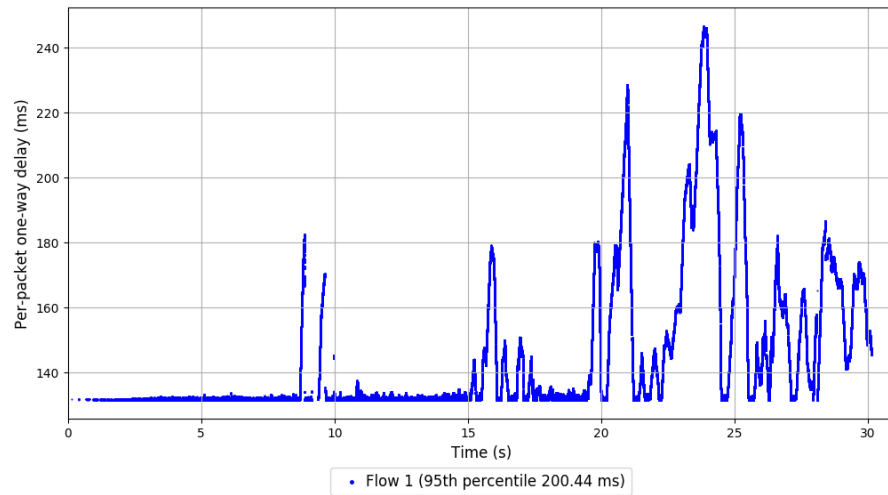
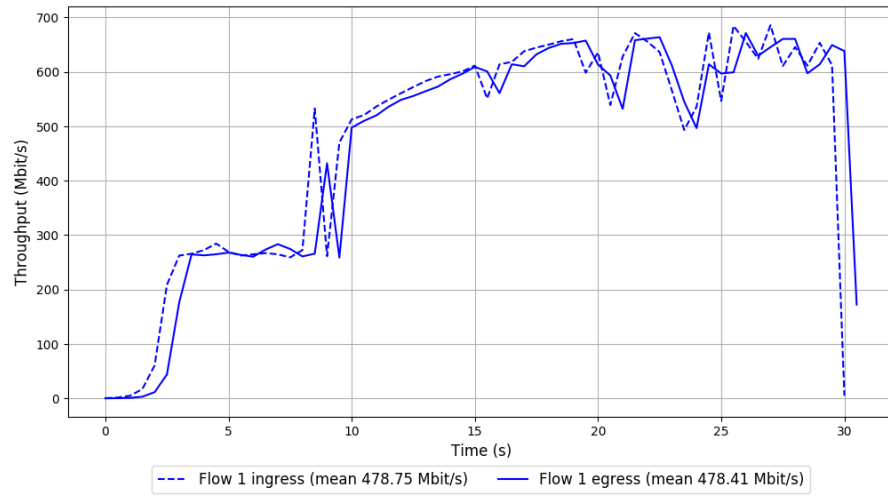


Run 5: Statistics of TCP Cubic

Start at: 2019-02-20 09:23:26
End at: 2019-02-20 09:23:56
Local clock offset: 0.373 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2019-02-20 10:31:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 478.41 Mbit/s
95th percentile per-packet one-way delay: 200.442 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 478.41 Mbit/s
95th percentile per-packet one-way delay: 200.442 ms
Loss rate: 0.07%

Run 5: Report of TCP Cubic — Data Link

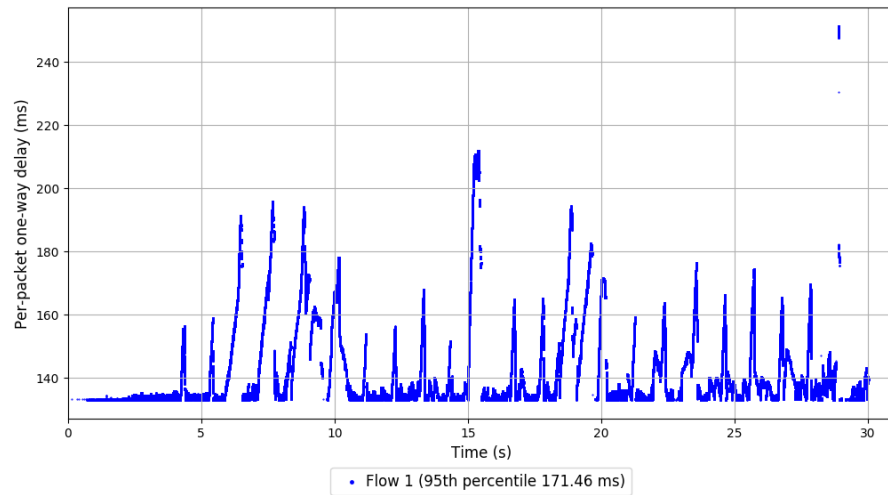
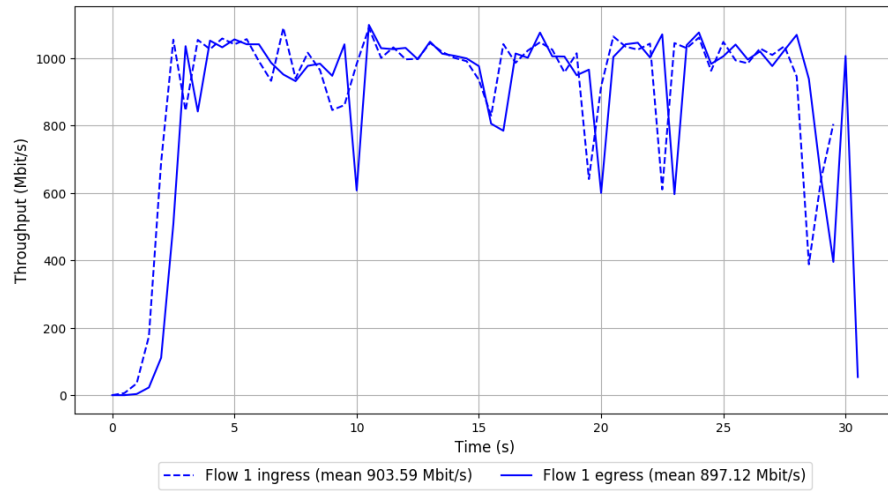


Run 1: Statistics of FillP

Start at: 2019-02-20 06:58:19
End at: 2019-02-20 06:58:49
Local clock offset: -0.29 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2019-02-20 10:40:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 897.12 Mbit/s
95th percentile per-packet one-way delay: 171.464 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 897.12 Mbit/s
95th percentile per-packet one-way delay: 171.464 ms
Loss rate: 0.71%

Run 1: Report of FillP — Data Link

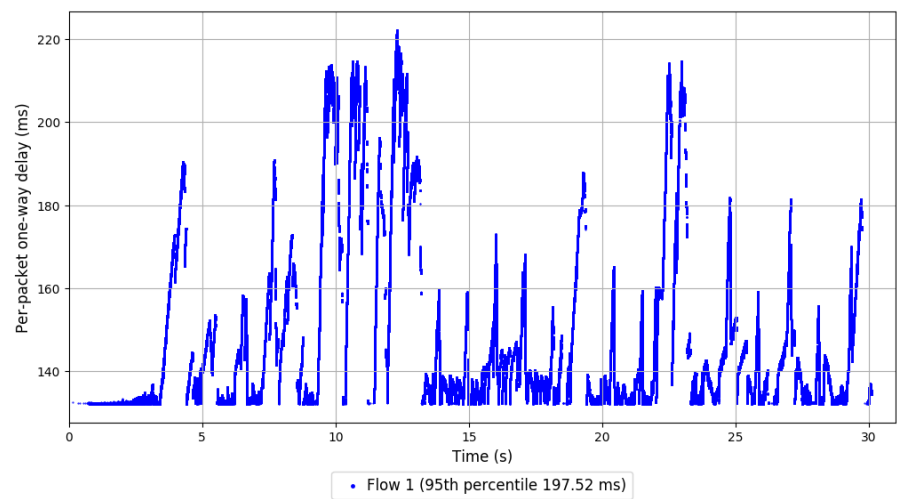
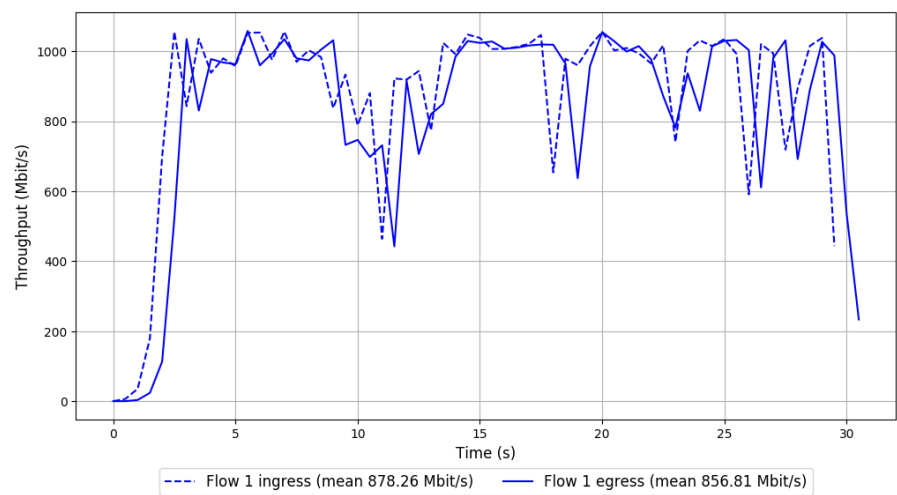


Run 2: Statistics of FillP

Start at: 2019-02-20 07:40:01
End at: 2019-02-20 07:40:31
Local clock offset: 0.397 ms
Remote clock offset: -0.426 ms

Below is generated by plot.py at 2019-02-20 10:49:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 856.81 Mbit/s
95th percentile per-packet one-way delay: 197.524 ms
Loss rate: 2.44%
-- Flow 1:
Average throughput: 856.81 Mbit/s
95th percentile per-packet one-way delay: 197.524 ms
Loss rate: 2.44%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-02-20 08:21:18

End at: 2019-02-20 08:21:48

Local clock offset: 0.003 ms

Remote clock offset: 0.259 ms

Below is generated by plot.py at 2019-02-20 10:50:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 878.27 Mbit/s

95th percentile per-packet one-way delay: 184.898 ms

Loss rate: 1.14%

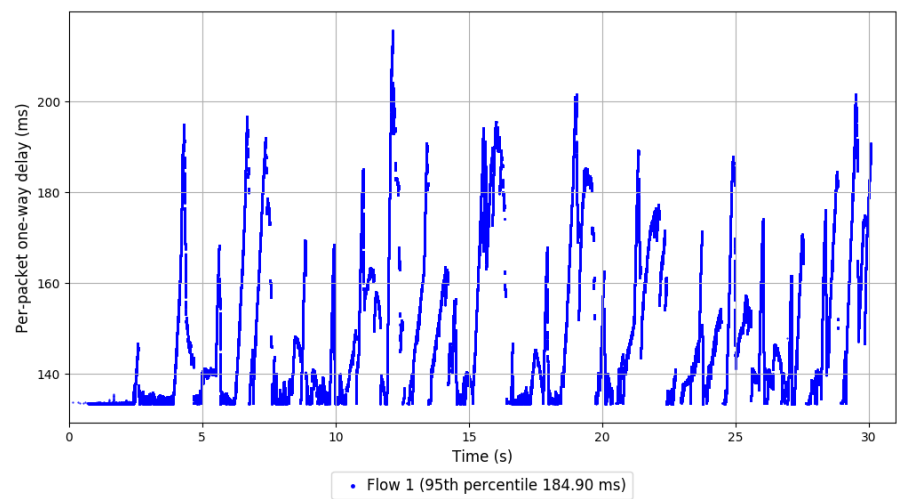
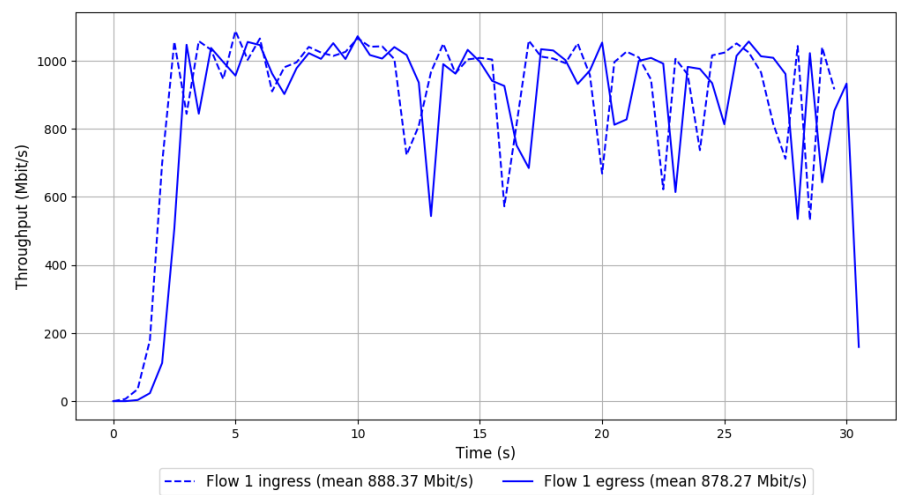
-- Flow 1:

Average throughput: 878.27 Mbit/s

95th percentile per-packet one-way delay: 184.898 ms

Loss rate: 1.14%

Run 3: Report of FillP — Data Link

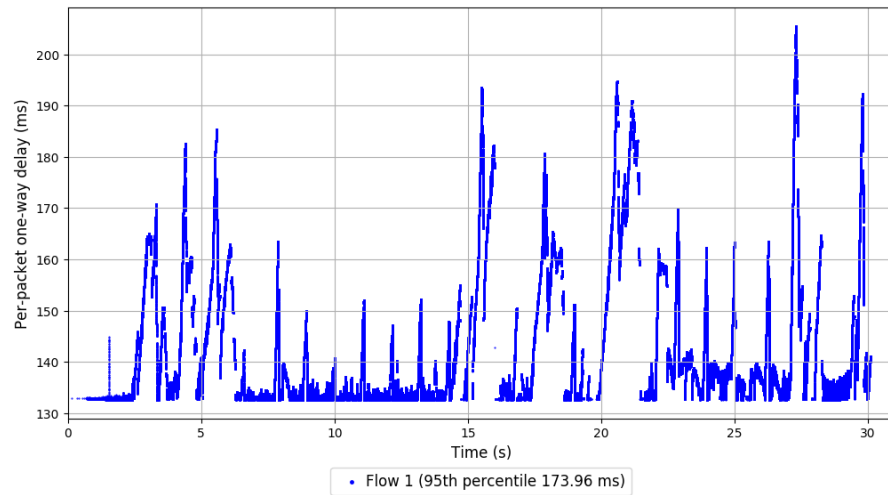
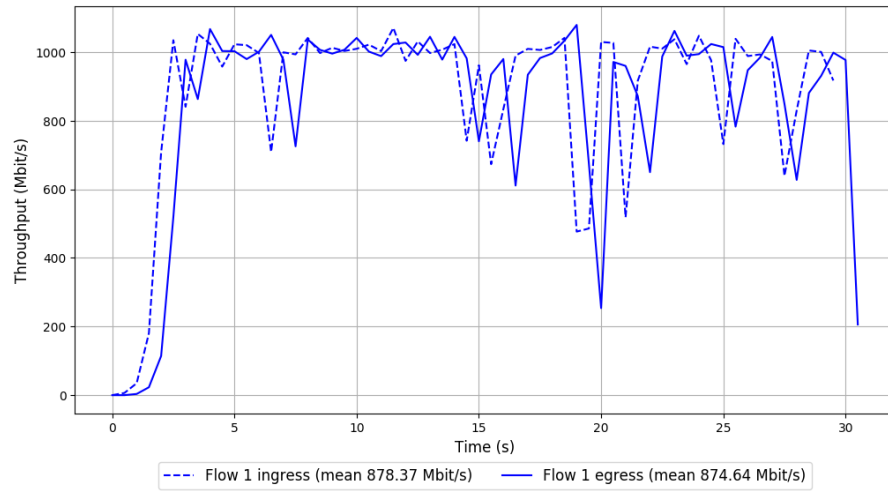


Run 4: Statistics of FillP

Start at: 2019-02-20 09:00:56
End at: 2019-02-20 09:01:26
Local clock offset: 0.165 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2019-02-20 10:50:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 874.64 Mbit/s
95th percentile per-packet one-way delay: 173.964 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 874.64 Mbit/s
95th percentile per-packet one-way delay: 173.964 ms
Loss rate: 0.42%

Run 4: Report of FillP — Data Link

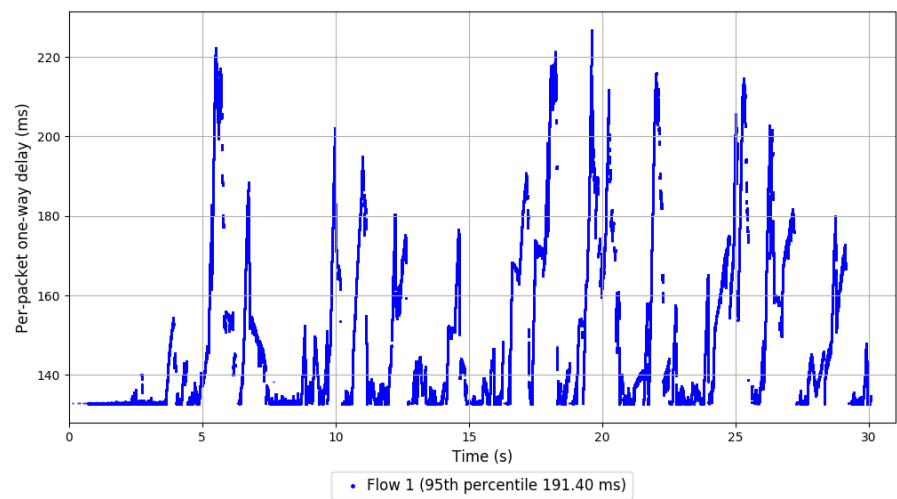
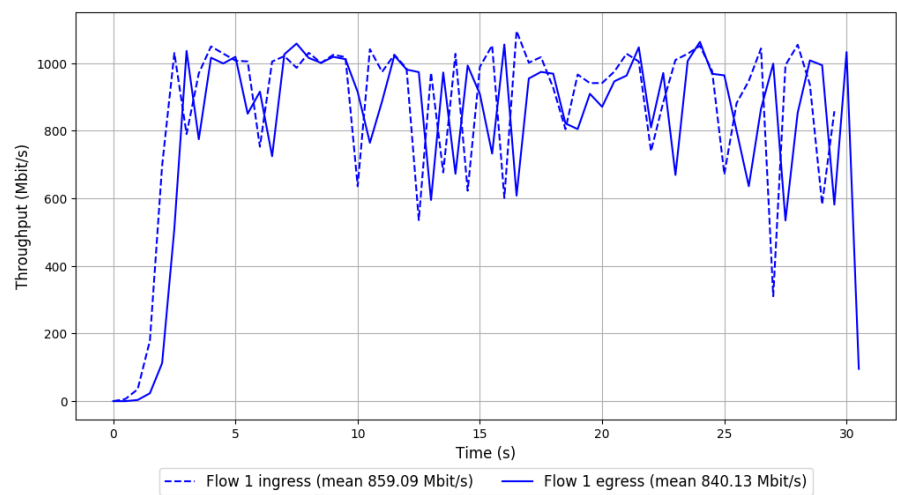


Run 5: Statistics of FillP

Start at: 2019-02-20 09:40:27
End at: 2019-02-20 09:40:57
Local clock offset: -0.326 ms
Remote clock offset: -0.503 ms

Below is generated by plot.py at 2019-02-20 10:50:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 840.13 Mbit/s
95th percentile per-packet one-way delay: 191.395 ms
Loss rate: 2.21%
-- Flow 1:
Average throughput: 840.13 Mbit/s
95th percentile per-packet one-way delay: 191.395 ms
Loss rate: 2.21%

Run 5: Report of FillP — Data Link

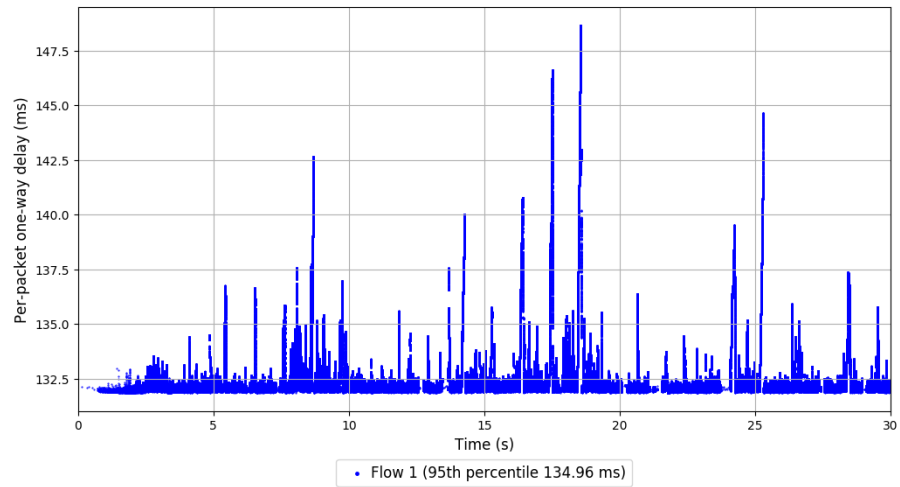
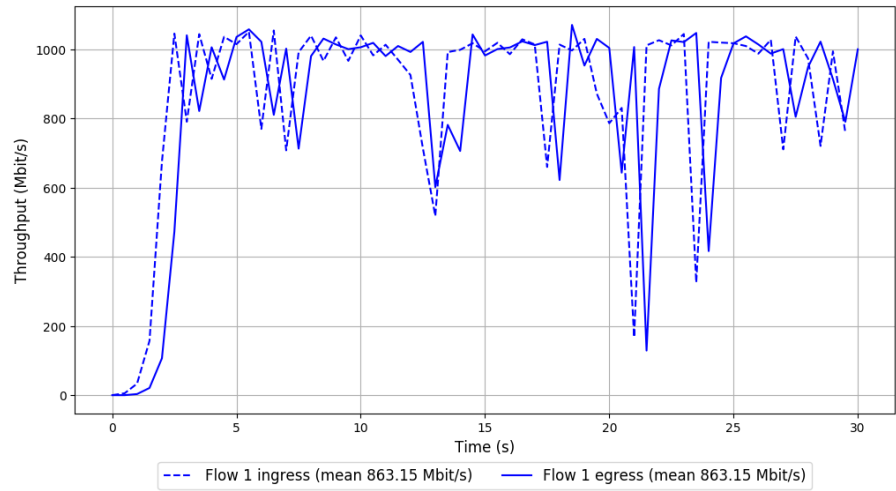


Run 1: Statistics of FillP-Sheep

Start at: 2019-02-20 06:43:18
End at: 2019-02-20 06:43:48
Local clock offset: -0.248 ms
Remote clock offset: -0.384 ms

Below is generated by plot.py at 2019-02-20 10:50:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 863.15 Mbit/s
95th percentile per-packet one-way delay: 134.955 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 863.15 Mbit/s
95th percentile per-packet one-way delay: 134.955 ms
Loss rate: 0.00%

Run 1: Report of FillP-Sheep — Data Link

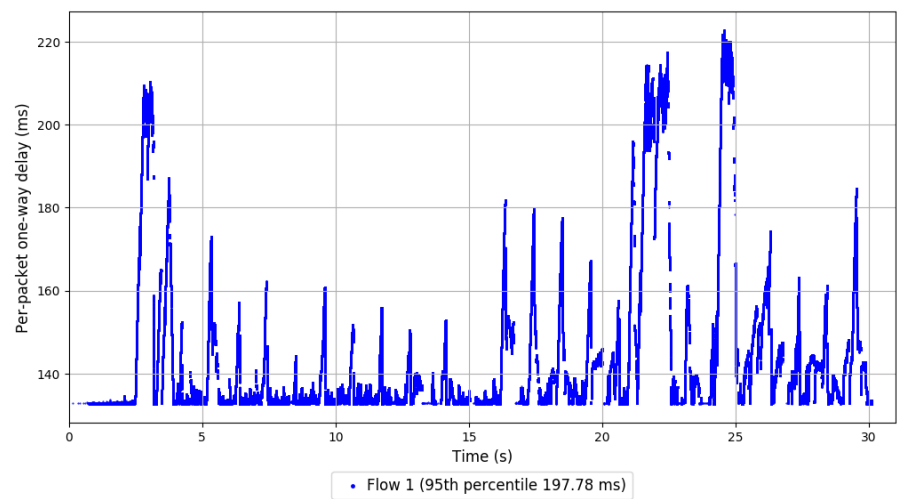
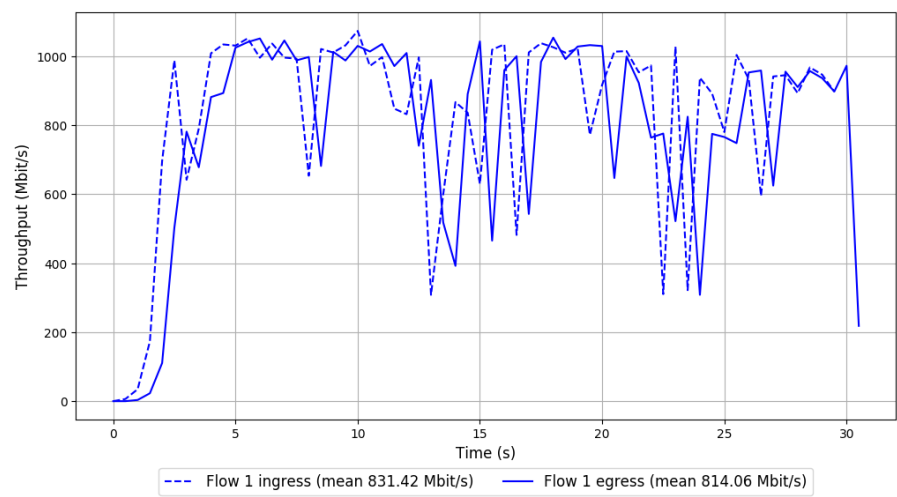


Run 2: Statistics of FillP-Sheep

Start at: 2019-02-20 07:24:13
End at: 2019-02-20 07:24:43
Local clock offset: 0.205 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2019-02-20 10:50:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 814.06 Mbit/s
95th percentile per-packet one-way delay: 197.785 ms
Loss rate: 2.09%
-- Flow 1:
Average throughput: 814.06 Mbit/s
95th percentile per-packet one-way delay: 197.785 ms
Loss rate: 2.09%

Run 2: Report of FillP-Sheep — Data Link

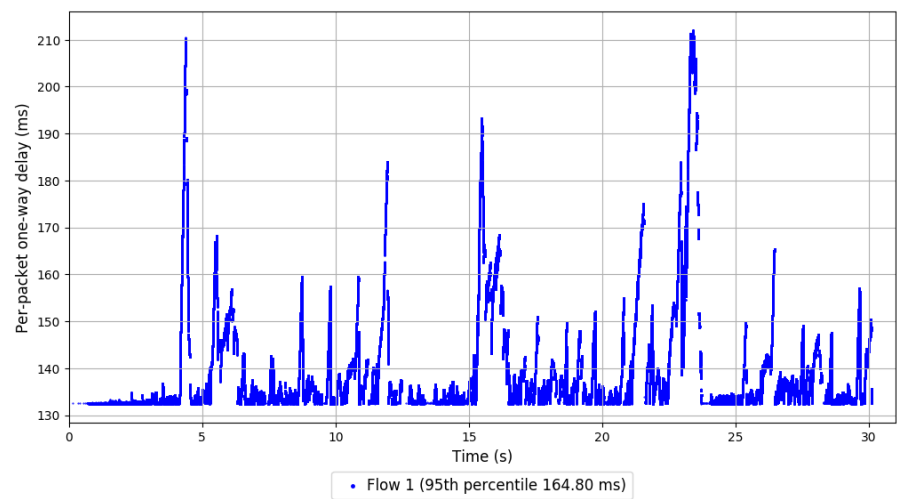
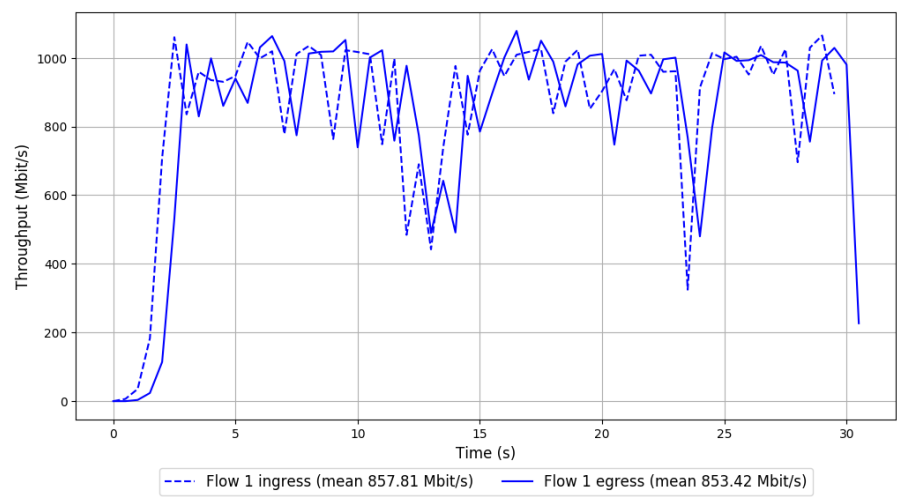


Run 3: Statistics of FillP-Sheep

Start at: 2019-02-20 08:05:47
End at: 2019-02-20 08:06:17
Local clock offset: -0.393 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2019-02-20 10:50:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 853.42 Mbit/s
95th percentile per-packet one-way delay: 164.802 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 853.42 Mbit/s
95th percentile per-packet one-way delay: 164.802 ms
Loss rate: 0.51%

Run 3: Report of FillP-Sheep — Data Link

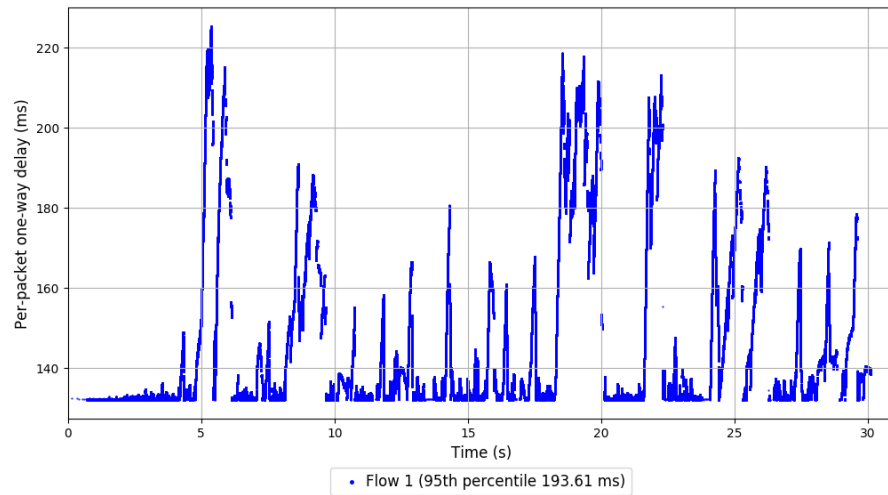
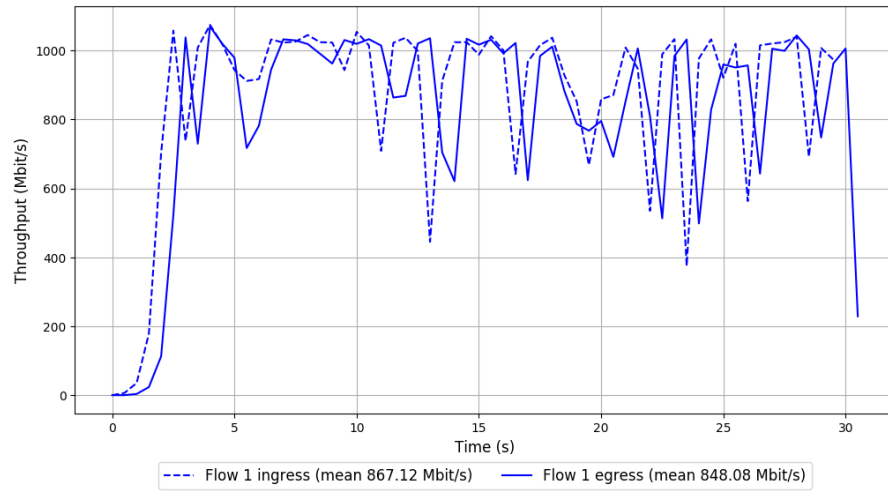


Run 4: Statistics of FillP-Sheep

Start at: 2019-02-20 08:46:22
End at: 2019-02-20 08:46:52
Local clock offset: 0.443 ms
Remote clock offset: -0.532 ms

Below is generated by plot.py at 2019-02-20 11:02:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 848.08 Mbit/s
95th percentile per-packet one-way delay: 193.609 ms
Loss rate: 2.19%
-- Flow 1:
Average throughput: 848.08 Mbit/s
95th percentile per-packet one-way delay: 193.609 ms
Loss rate: 2.19%

Run 4: Report of FillP-Sheep — Data Link

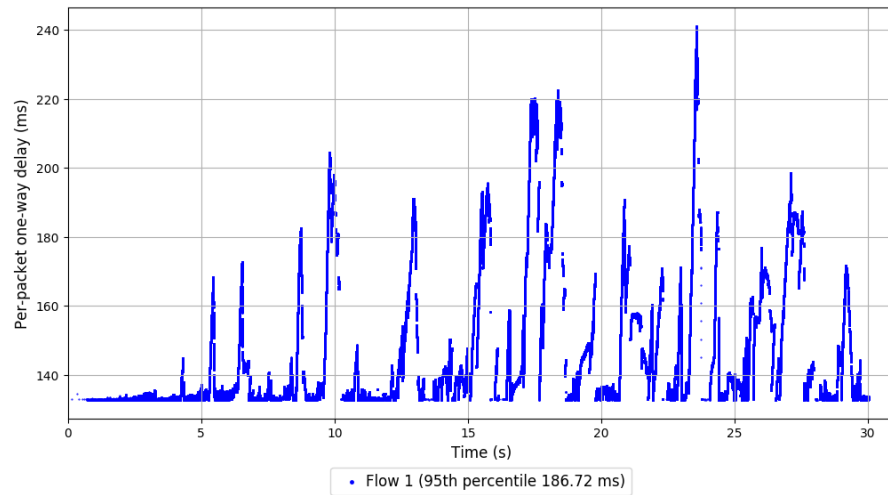
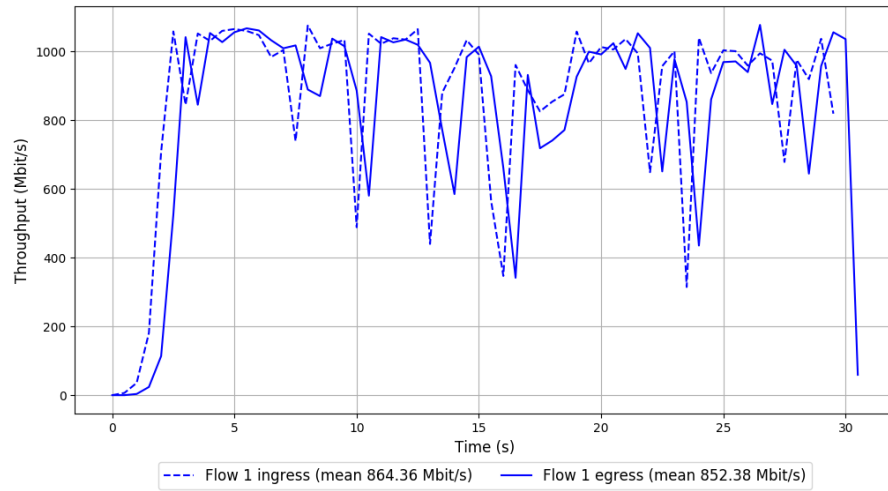


Run 5: Statistics of FillP-Sheep

Start at: 2019-02-20 09:25:46
End at: 2019-02-20 09:26:16
Local clock offset: -0.071 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2019-02-20 11:08:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 852.38 Mbit/s
95th percentile per-packet one-way delay: 186.715 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 852.38 Mbit/s
95th percentile per-packet one-way delay: 186.715 ms
Loss rate: 1.39%

Run 5: Report of FillP-Sheep — Data Link

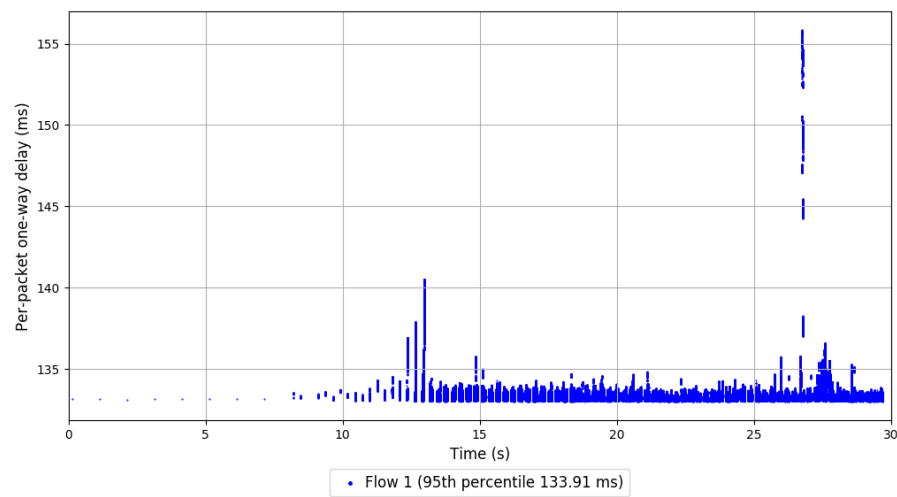
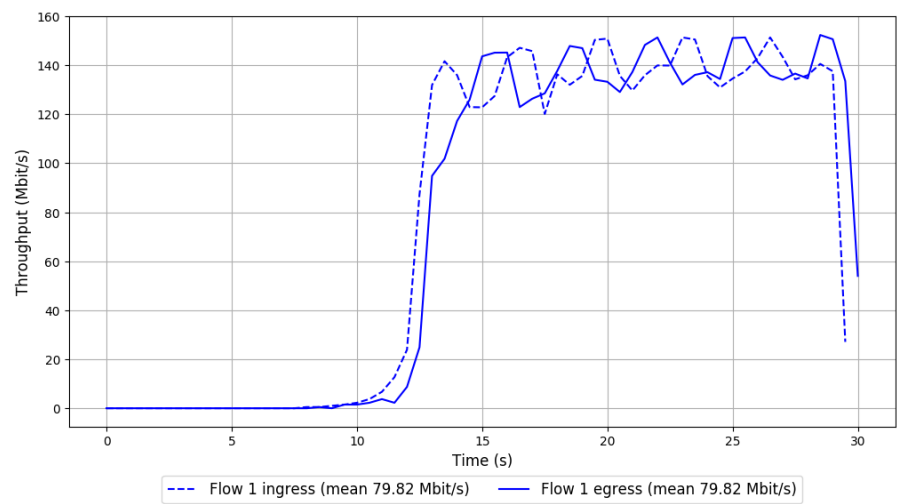


```
Run 1: Statistics of Indigo

Start at: 2019-02-20 06:45:49
End at: 2019-02-20 06:46:19
Local clock offset: 0.158 ms
Remote clock offset: 0.317 ms

# Below is generated by plot.py at 2019-02-20 11:08:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.82 Mbit/s
95th percentile per-packet one-way delay: 133.908 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 79.82 Mbit/s
95th percentile per-packet one-way delay: 133.908 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

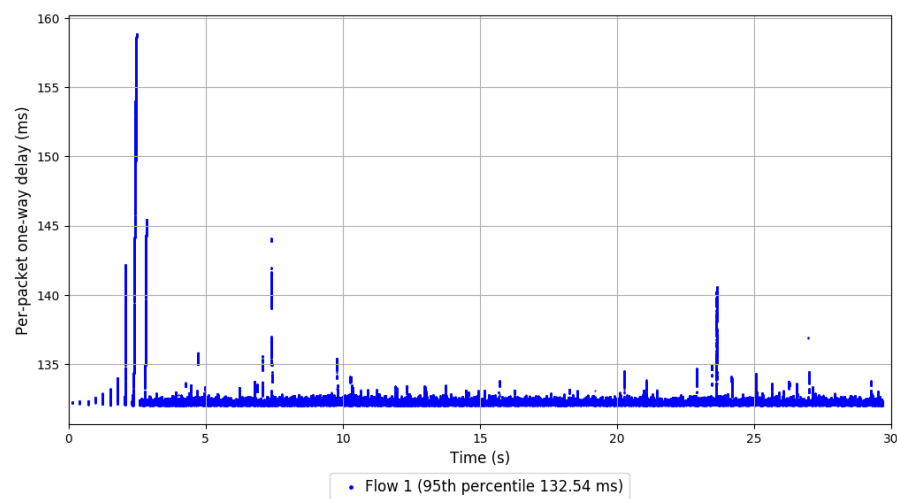
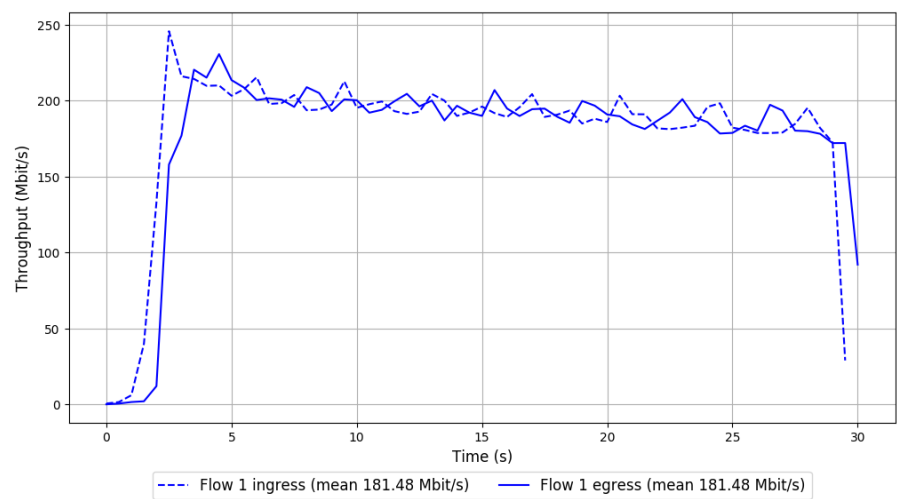


Run 2: Statistics of Indigo

Start at: 2019-02-20 07:26:51
End at: 2019-02-20 07:27:21
Local clock offset: -0.396 ms
Remote clock offset: -0.485 ms

Below is generated by plot.py at 2019-02-20 11:08:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 181.48 Mbit/s
95th percentile per-packet one-way delay: 132.542 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 181.48 Mbit/s
95th percentile per-packet one-way delay: 132.542 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

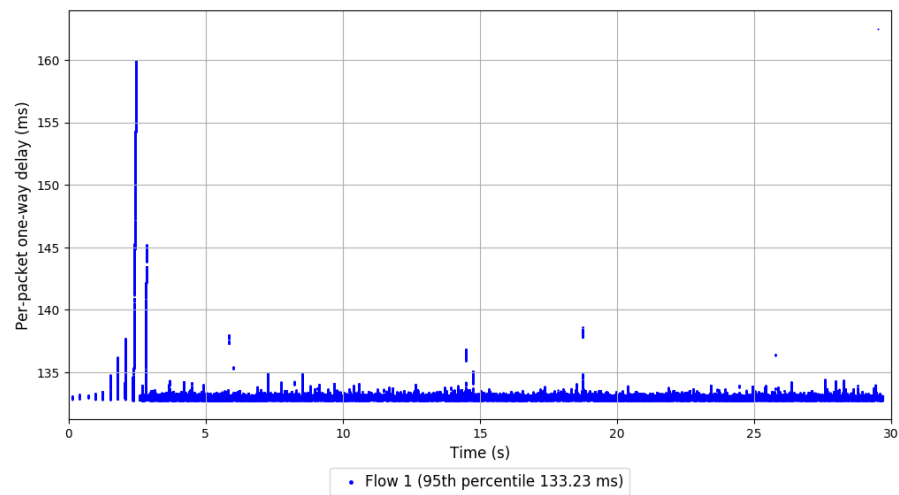
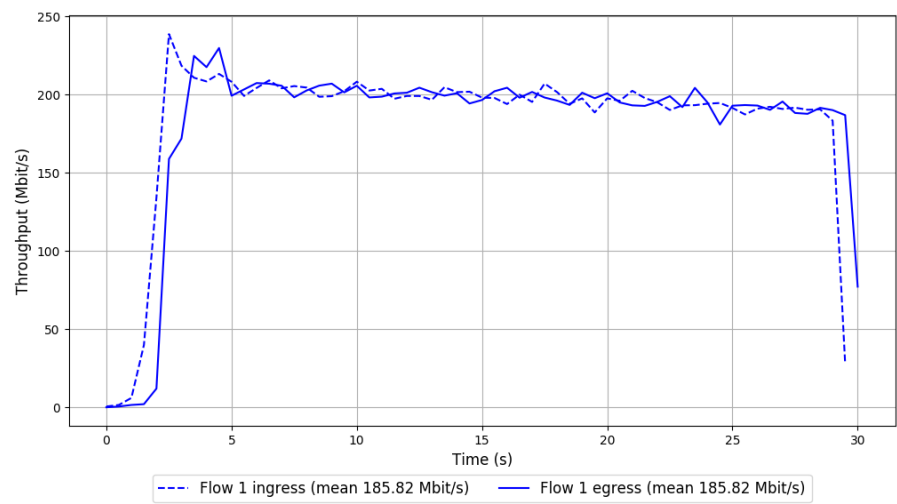


Run 3: Statistics of Indigo

Start at: 2019-02-20 08:08:12
End at: 2019-02-20 08:08:42
Local clock offset: -0.431 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2019-02-20 11:08:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 185.82 Mbit/s
95th percentile per-packet one-way delay: 133.233 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 185.82 Mbit/s
95th percentile per-packet one-way delay: 133.233 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

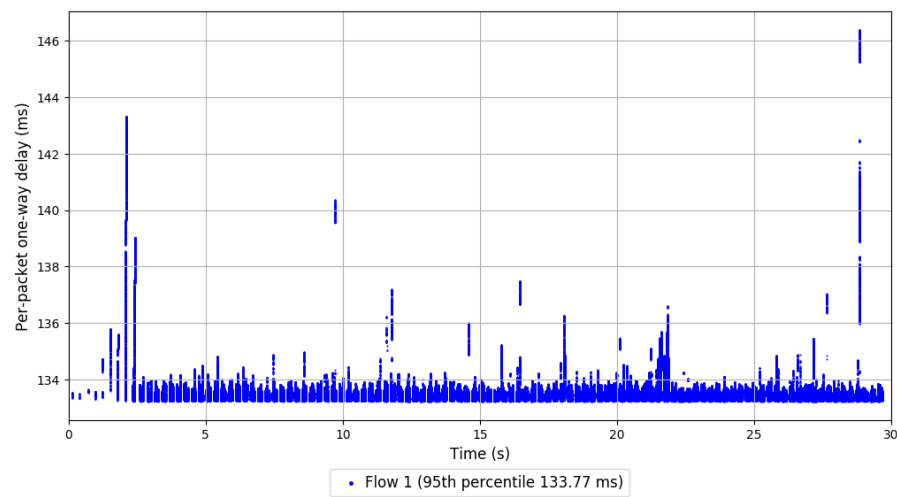
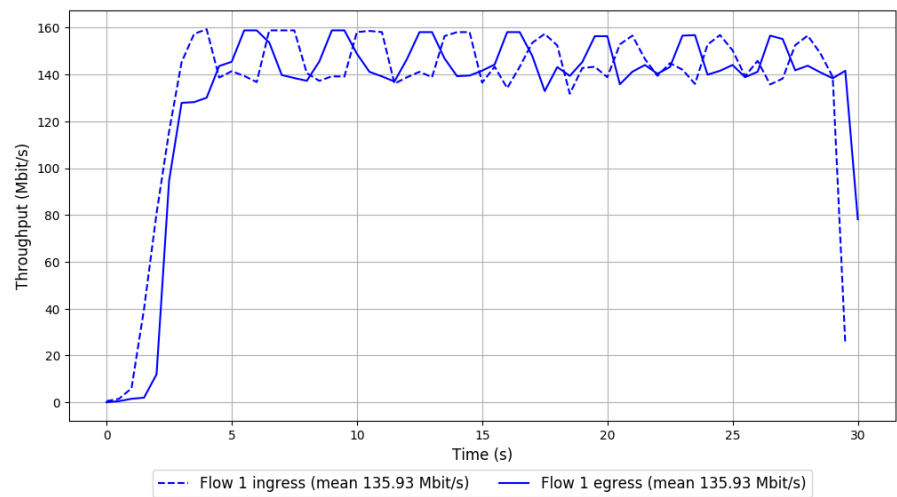


Run 4: Statistics of Indigo

Start at: 2019-02-20 08:48:41
End at: 2019-02-20 08:49:11
Local clock offset: -0.424 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2019-02-20 11:08:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 135.93 Mbit/s
95th percentile per-packet one-way delay: 133.772 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 135.93 Mbit/s
95th percentile per-packet one-way delay: 133.772 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

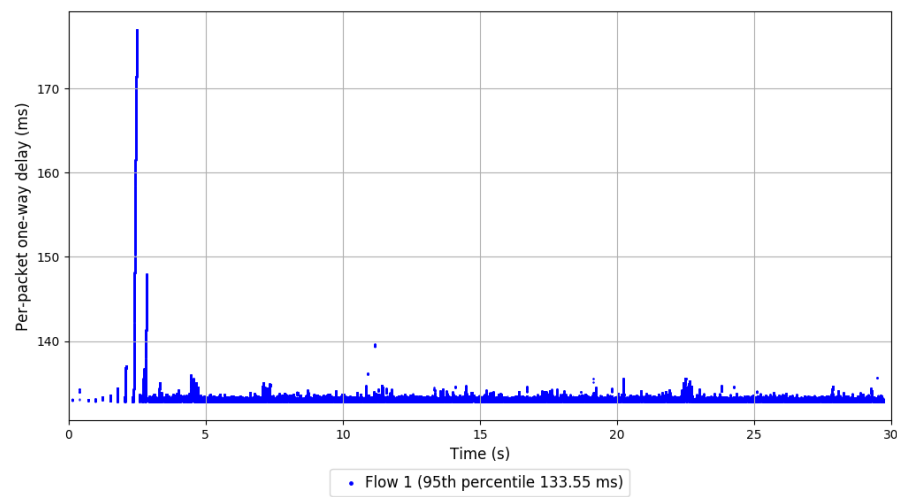
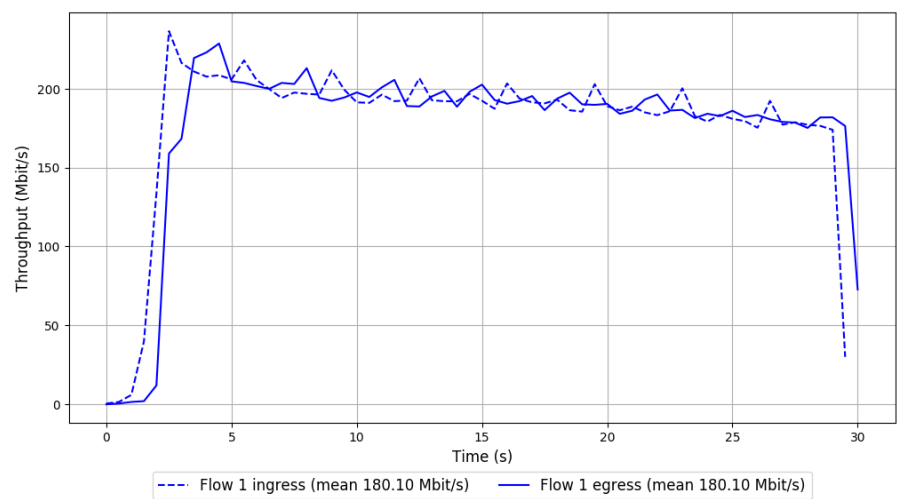


Run 5: Statistics of Indigo

Start at: 2019-02-20 09:28:25
End at: 2019-02-20 09:28:55
Local clock offset: -0.096 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2019-02-20 11:08:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 180.10 Mbit/s
95th percentile per-packet one-way delay: 133.548 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 180.10 Mbit/s
95th percentile per-packet one-way delay: 133.548 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

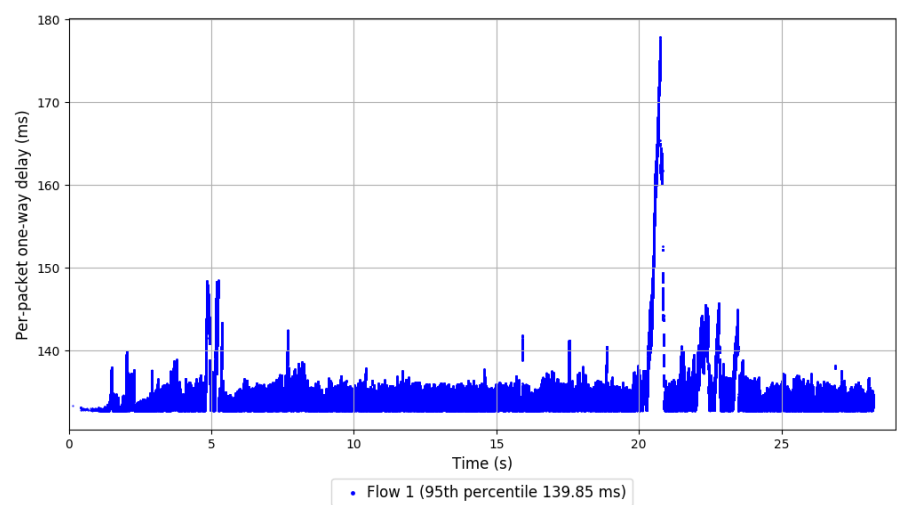
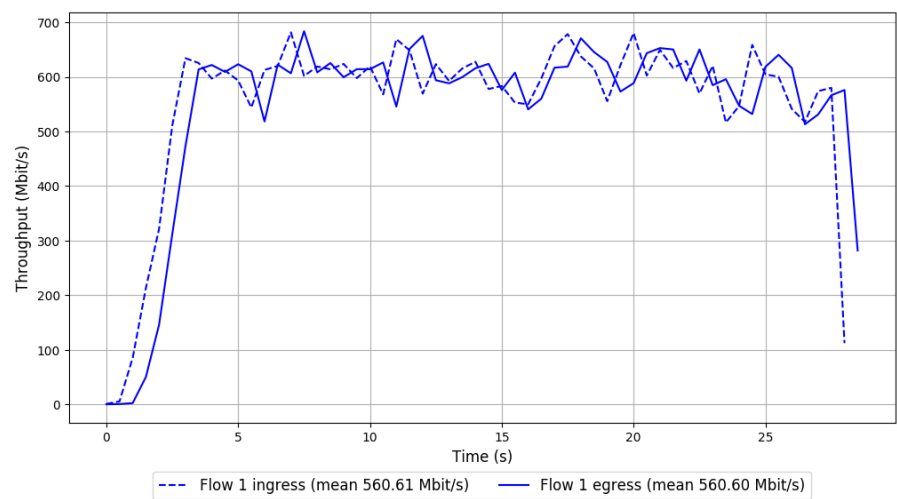


```
Run 1: Statistics of Indigo-MusesC3

Start at: 2019-02-20 06:47:18
End at: 2019-02-20 06:47:48
Local clock offset: -0.213 ms
Remote clock offset: -0.355 ms

# Below is generated by plot.py at 2019-02-20 11:08:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 560.60 Mbit/s
95th percentile per-packet one-way delay: 139.849 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 560.60 Mbit/s
95th percentile per-packet one-way delay: 139.849 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-MusesC3 — Data Link

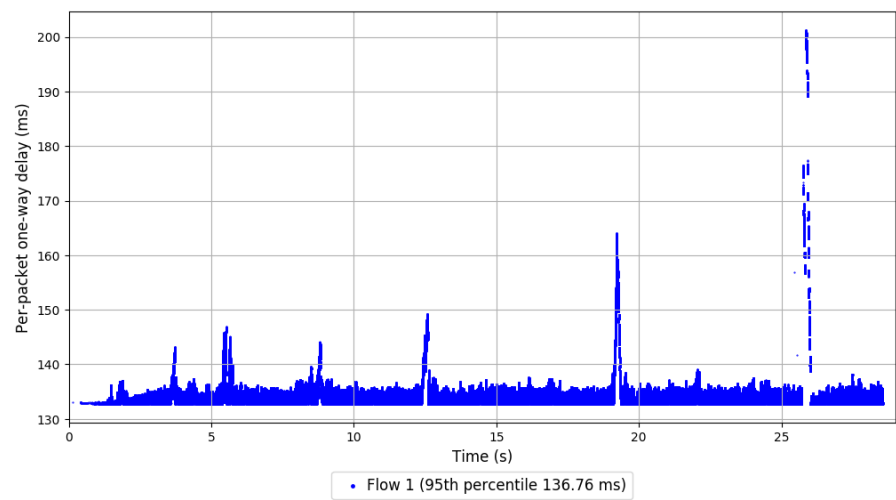
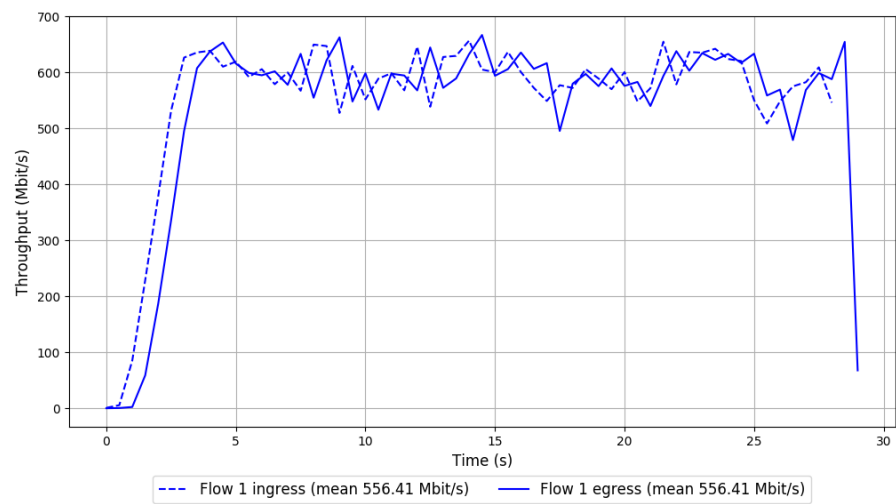


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-02-20 07:28:57
End at: 2019-02-20 07:29:27
Local clock offset: -0.039 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2019-02-20 11:08:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 556.41 Mbit/s
95th percentile per-packet one-way delay: 136.761 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 556.41 Mbit/s
95th percentile per-packet one-way delay: 136.761 ms
Loss rate: 0.00%

Run 2: Report of Indigo-MusesC3 — Data Link

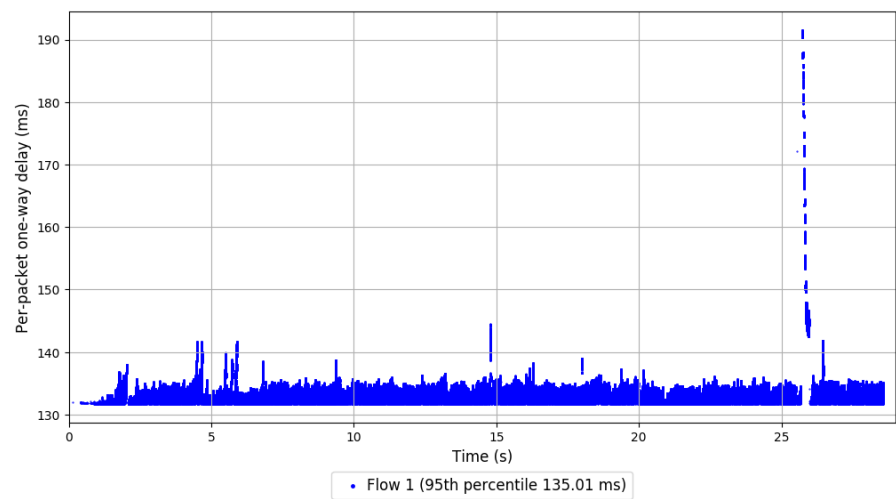
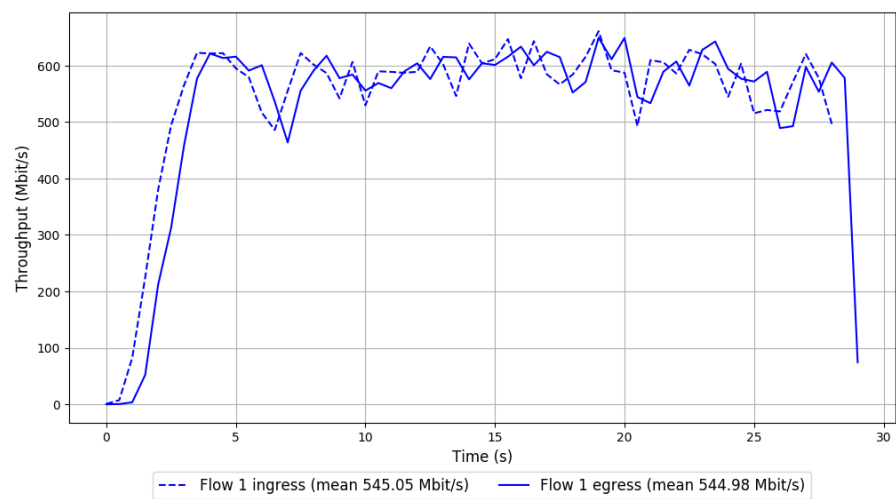


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-02-20 08:10:03
End at: 2019-02-20 08:10:33
Local clock offset: -0.018 ms
Remote clock offset: -0.348 ms

Below is generated by plot.py at 2019-02-20 11:08:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 544.98 Mbit/s
95th percentile per-packet one-way delay: 135.012 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 544.98 Mbit/s
95th percentile per-packet one-way delay: 135.012 ms
Loss rate: 0.01%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-02-20 08:50:27

End at: 2019-02-20 08:50:57

Local clock offset: 0.006 ms

Remote clock offset: 0.256 ms

Below is generated by plot.py at 2019-02-20 11:08:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 532.89 Mbit/s

95th percentile per-packet one-way delay: 137.455 ms

Loss rate: 0.00%

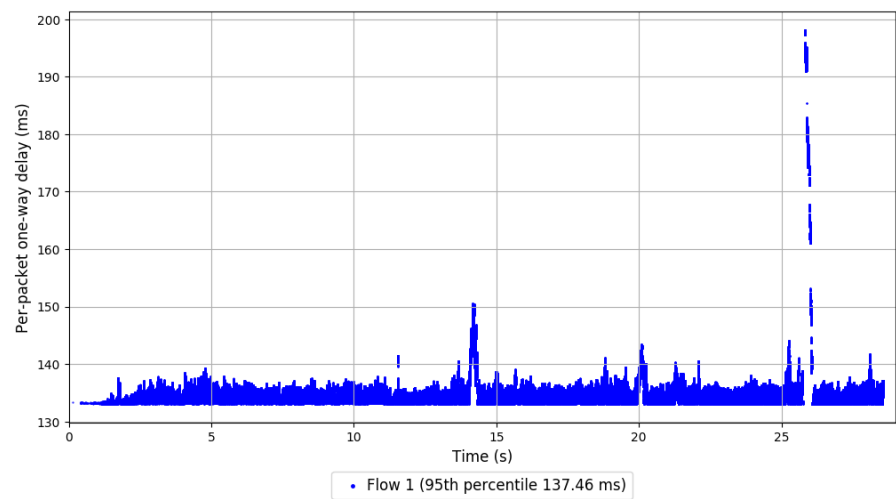
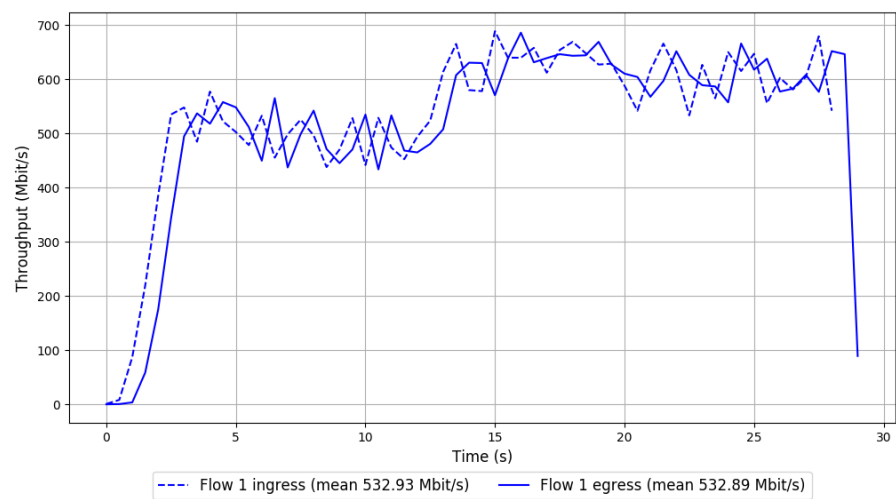
-- Flow 1:

Average throughput: 532.89 Mbit/s

95th percentile per-packet one-way delay: 137.455 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesC3 — Data Link

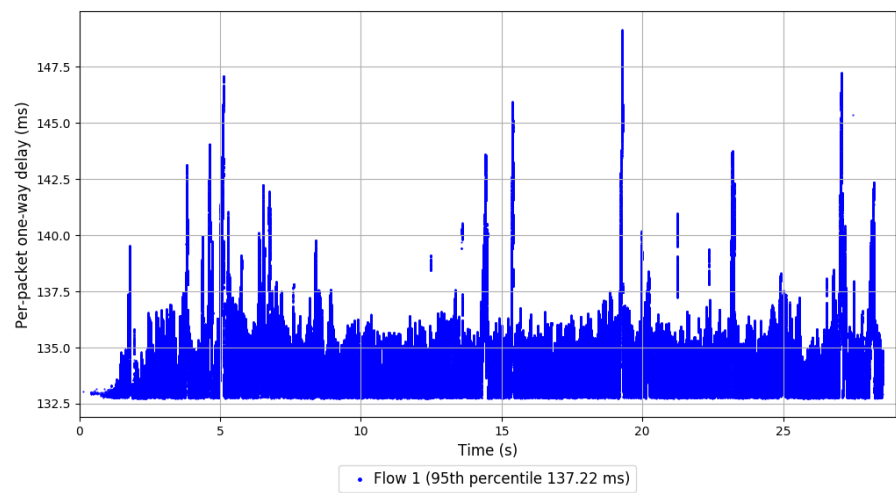
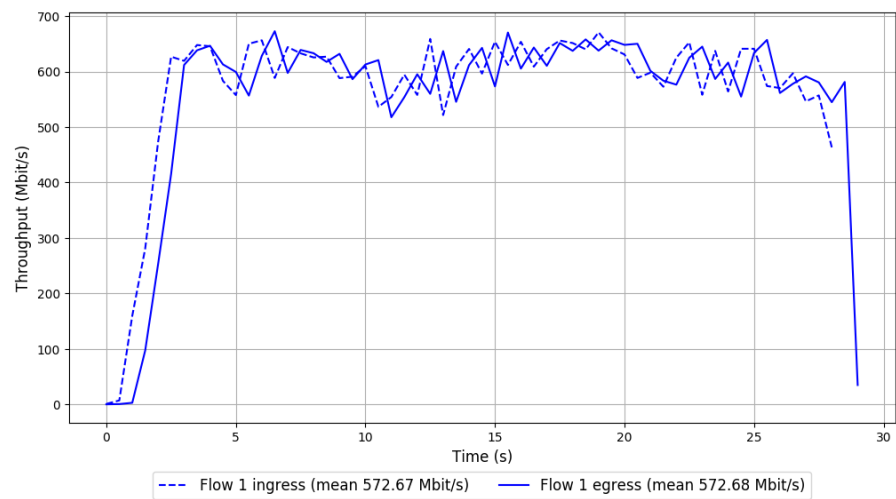


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-02-20 09:30:12
End at: 2019-02-20 09:30:42
Local clock offset: -0.014 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2019-02-20 11:08:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 572.68 Mbit/s
95th percentile per-packet one-way delay: 137.222 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 572.68 Mbit/s
95th percentile per-packet one-way delay: 137.222 ms
Loss rate: 0.00%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-02-20 07:04:27

End at: 2019-02-20 07:04:57

Local clock offset: -0.291 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2019-02-20 11:08:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 455.64 Mbit/s

95th percentile per-packet one-way delay: 189.808 ms

Loss rate: 0.36%

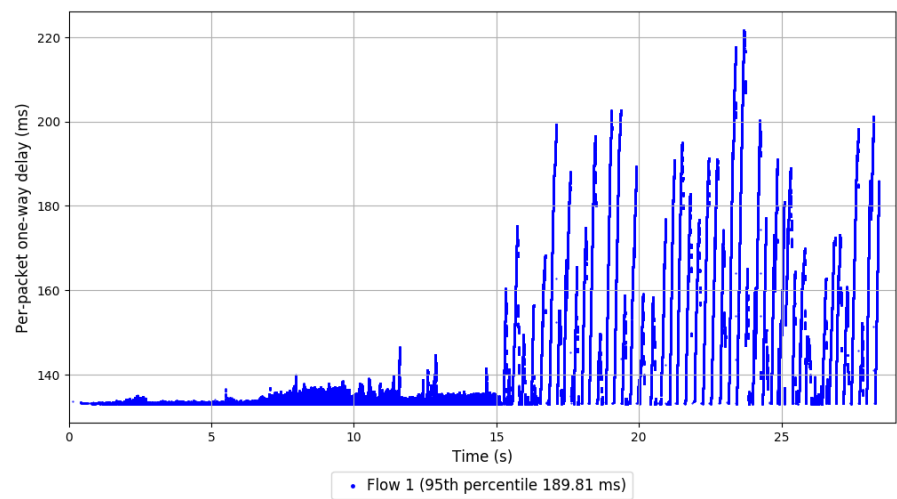
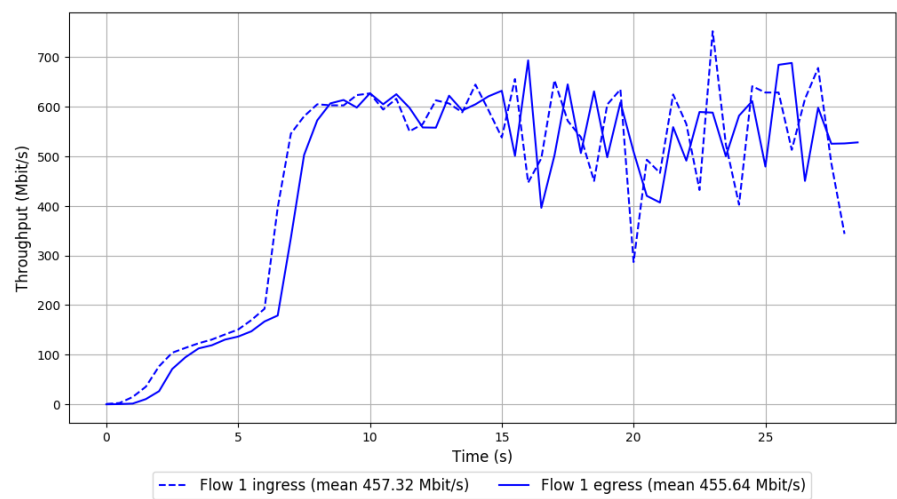
-- Flow 1:

Average throughput: 455.64 Mbit/s

95th percentile per-packet one-way delay: 189.808 ms

Loss rate: 0.36%

Run 1: Report of Indigo-MusesC5 — Data Link

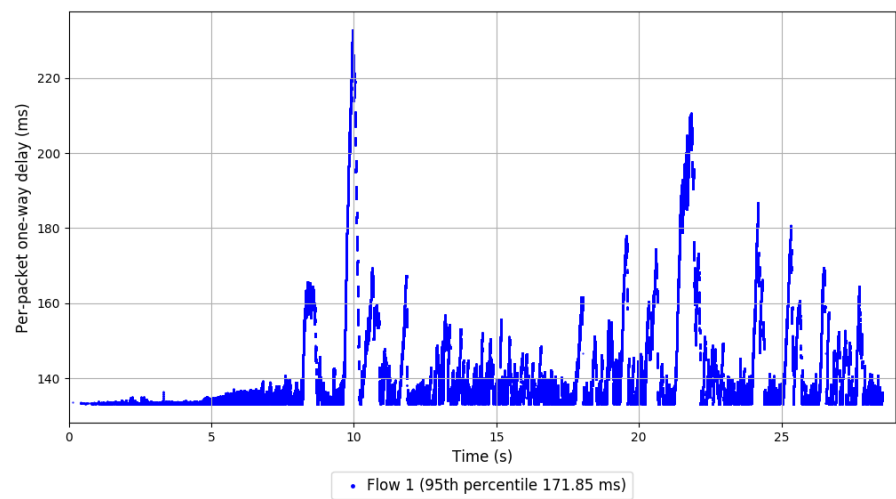
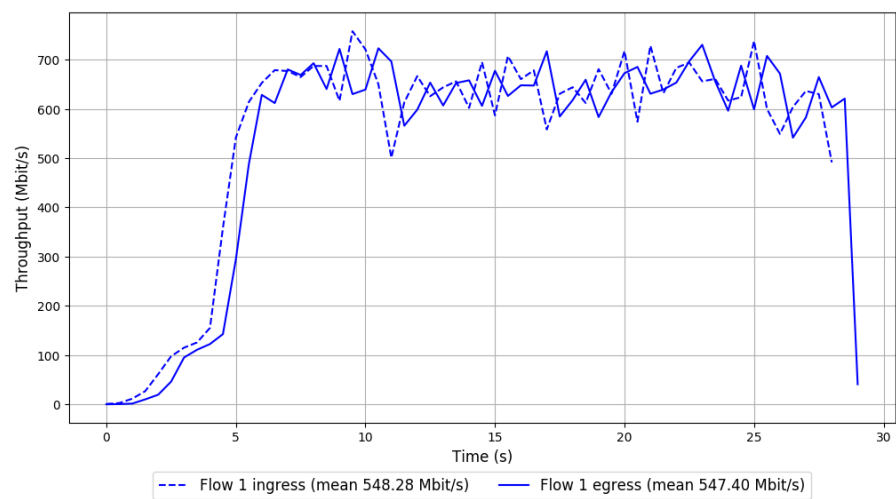


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-02-20 07:46:03
End at: 2019-02-20 07:46:33
Local clock offset: -0.036 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2019-02-20 11:10:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 547.40 Mbit/s
95th percentile per-packet one-way delay: 171.853 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 547.40 Mbit/s
95th percentile per-packet one-way delay: 171.853 ms
Loss rate: 0.16%

Run 2: Report of Indigo-MusesC5 — Data Link

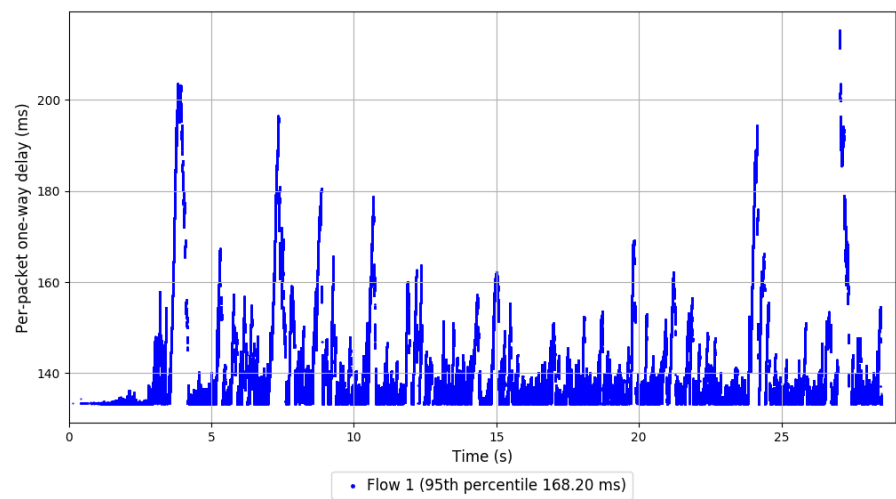
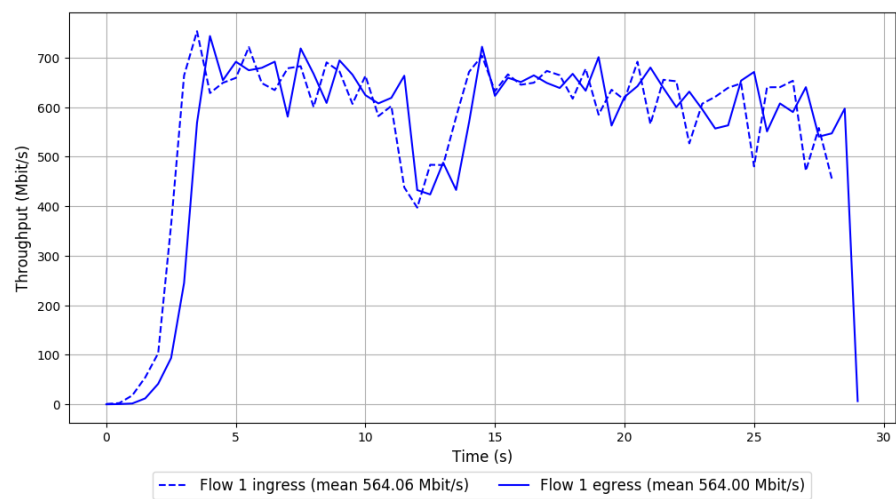


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-02-20 08:27:25
End at: 2019-02-20 08:27:55
Local clock offset: -0.433 ms
Remote clock offset: -0.468 ms

Below is generated by plot.py at 2019-02-20 11:13:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 564.00 Mbit/s
95th percentile per-packet one-way delay: 168.202 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 564.00 Mbit/s
95th percentile per-packet one-way delay: 168.202 ms
Loss rate: 0.01%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-02-20 09:06:45

End at: 2019-02-20 09:07:15

Local clock offset: 0.318 ms

Remote clock offset: -0.42 ms

Below is generated by plot.py at 2019-02-20 11:13:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 543.85 Mbit/s

95th percentile per-packet one-way delay: 173.745 ms

Loss rate: 0.01%

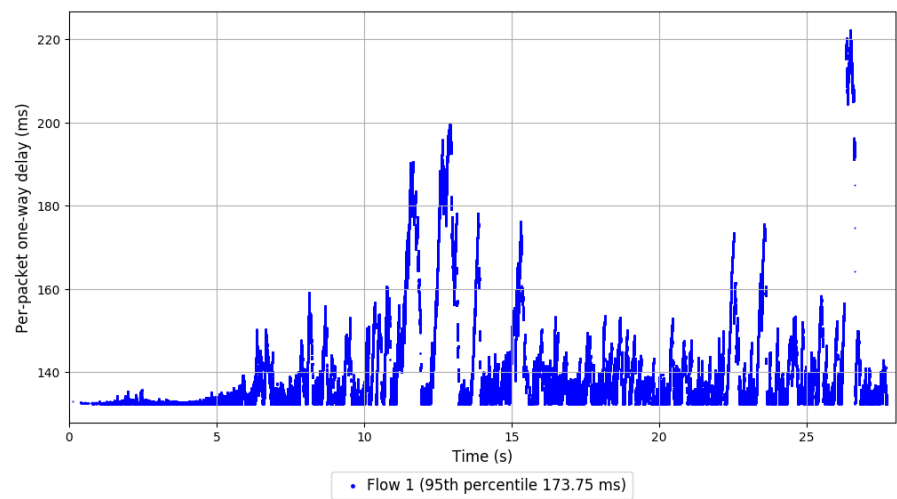
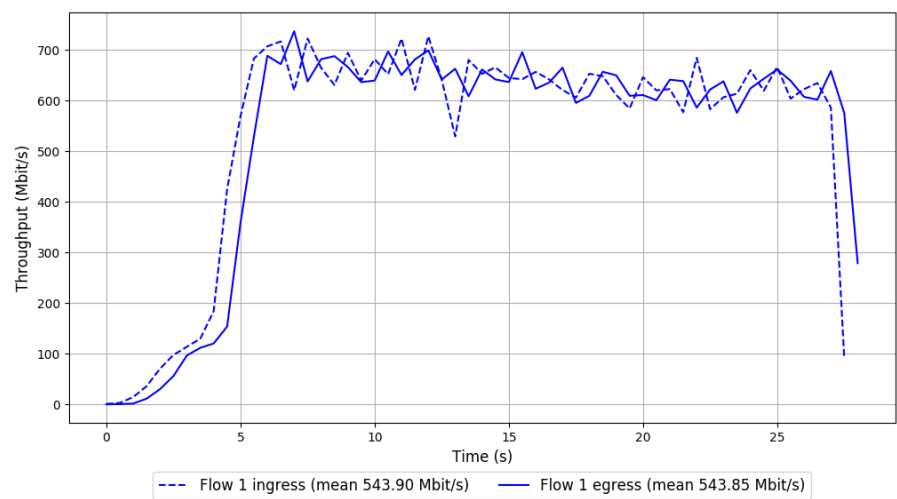
-- Flow 1:

Average throughput: 543.85 Mbit/s

95th percentile per-packet one-way delay: 173.745 ms

Loss rate: 0.01%

Run 4: Report of Indigo-MusesC5 — Data Link

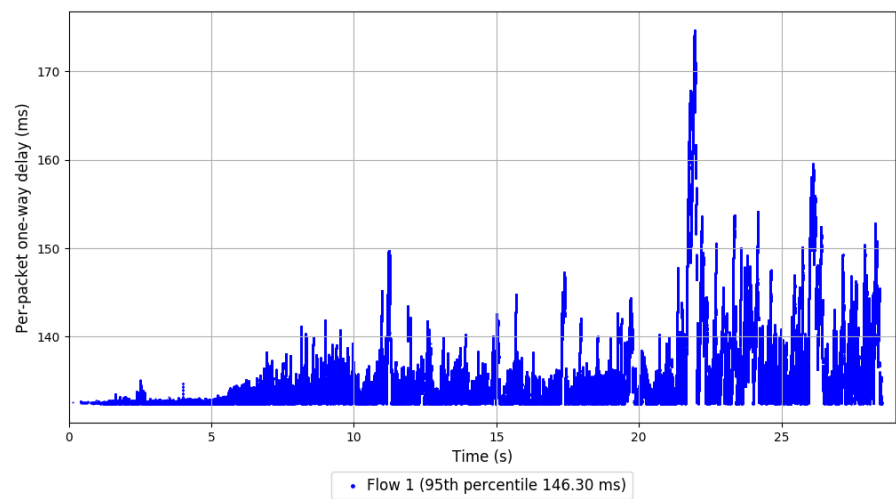
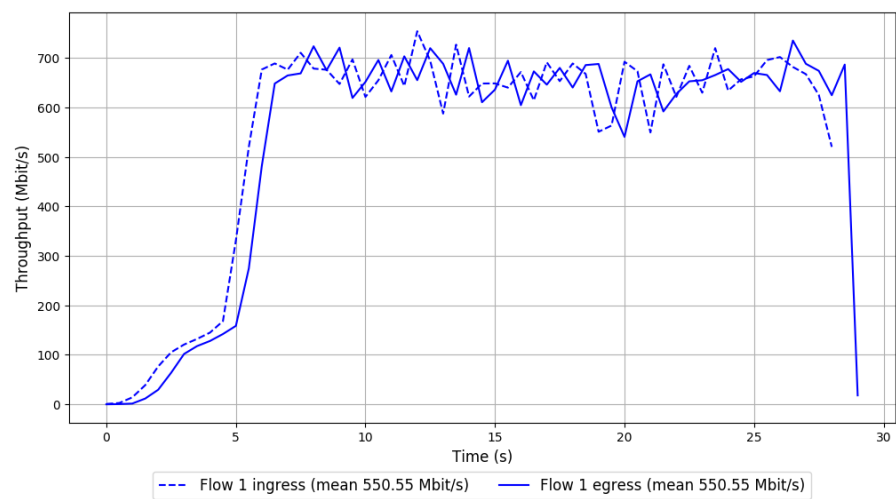


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-02-20 09:46:12
End at: 2019-02-20 09:46:42
Local clock offset: 0.229 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2019-02-20 11:16:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 550.55 Mbit/s
95th percentile per-packet one-way delay: 146.300 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 550.55 Mbit/s
95th percentile per-packet one-way delay: 146.300 ms
Loss rate: 0.00%

Run 5: Report of Indigo-MusesC5 — Data Link

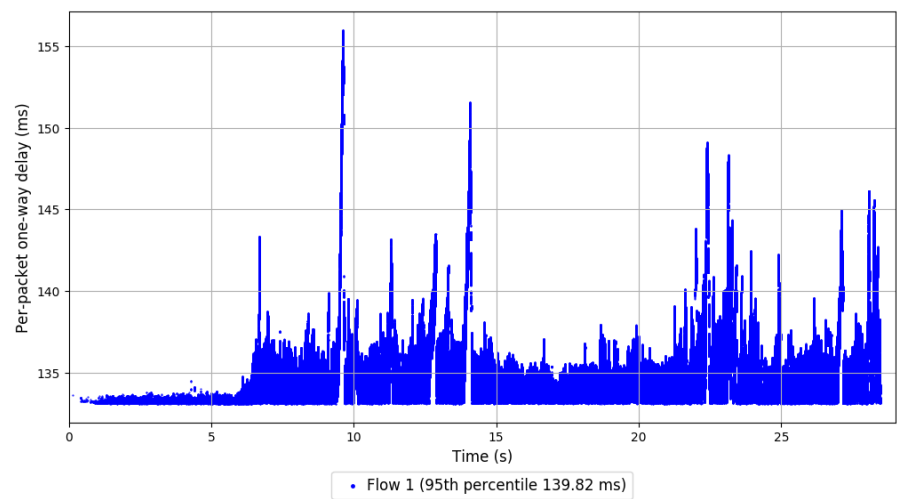
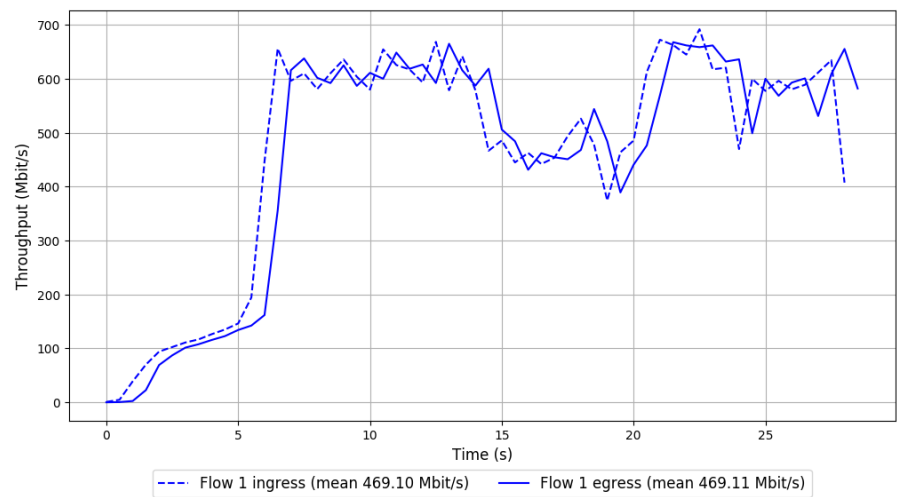



```
Run 1: Statistics of Indigo-MusesD

Start at: 2019-02-20 06:49:26
End at: 2019-02-20 06:49:57
Local clock offset: -0.296 ms
Remote clock offset: 0.003 ms

# Below is generated by plot.py at 2019-02-20 11:16:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 469.11 Mbit/s
95th percentile per-packet one-way delay: 139.817 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 469.11 Mbit/s
95th percentile per-packet one-way delay: 139.817 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-02-20 07:31:26

End at: 2019-02-20 07:31:56

Local clock offset: 0.201 ms

Remote clock offset: -0.101 ms

Below is generated by plot.py at 2019-02-20 11:16:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 476.58 Mbit/s

95th percentile per-packet one-way delay: 137.352 ms

Loss rate: 0.06%

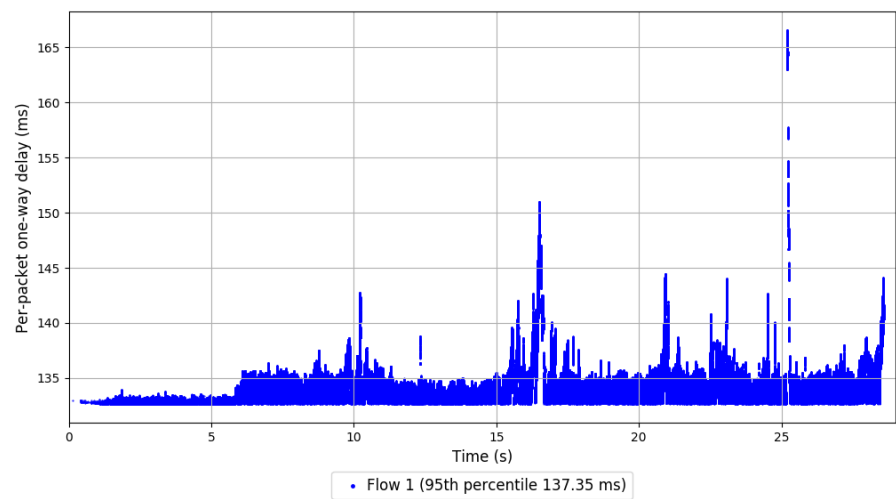
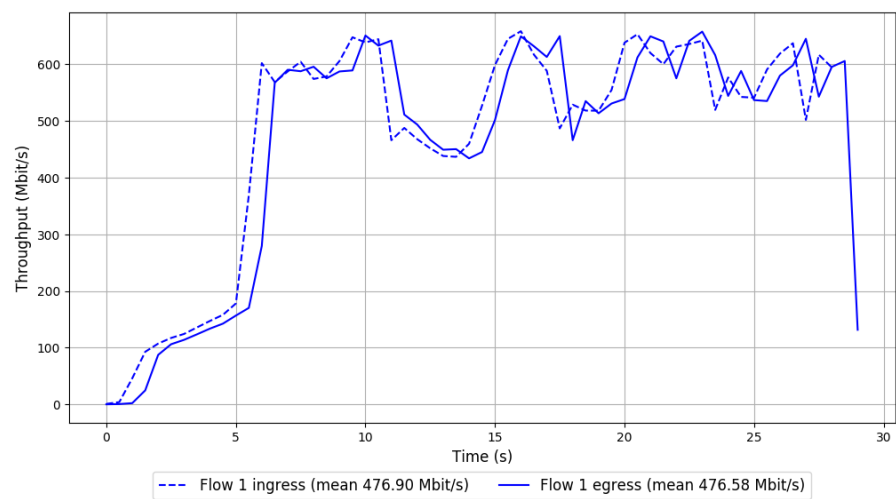
-- Flow 1:

Average throughput: 476.58 Mbit/s

95th percentile per-packet one-way delay: 137.352 ms

Loss rate: 0.06%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-02-20 08:12:15

End at: 2019-02-20 08:12:45

Local clock offset: 0.424 ms

Remote clock offset: -0.004 ms

Below is generated by plot.py at 2019-02-20 11:16:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 408.46 Mbit/s

95th percentile per-packet one-way delay: 136.992 ms

Loss rate: 0.00%

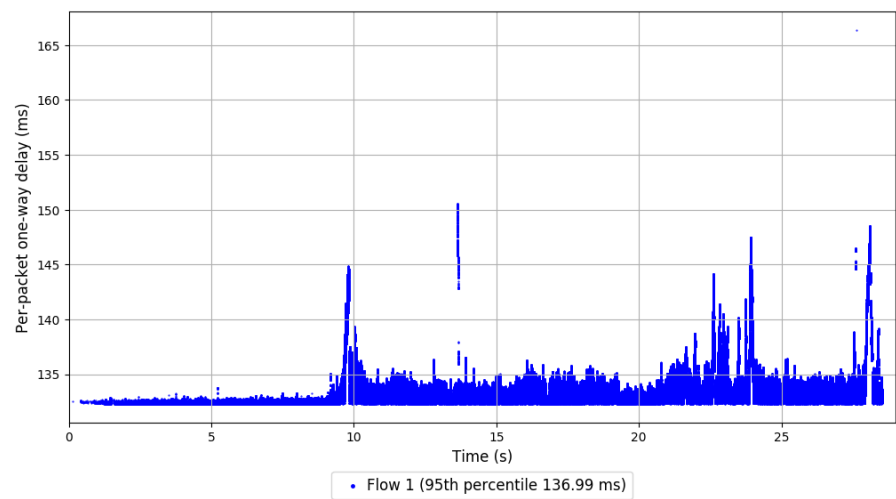
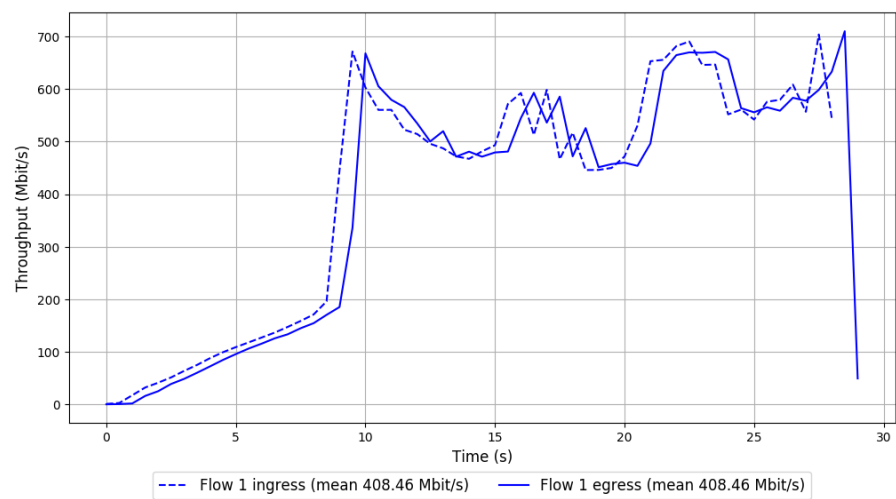
-- Flow 1:

Average throughput: 408.46 Mbit/s

95th percentile per-packet one-way delay: 136.992 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesD — Data Link

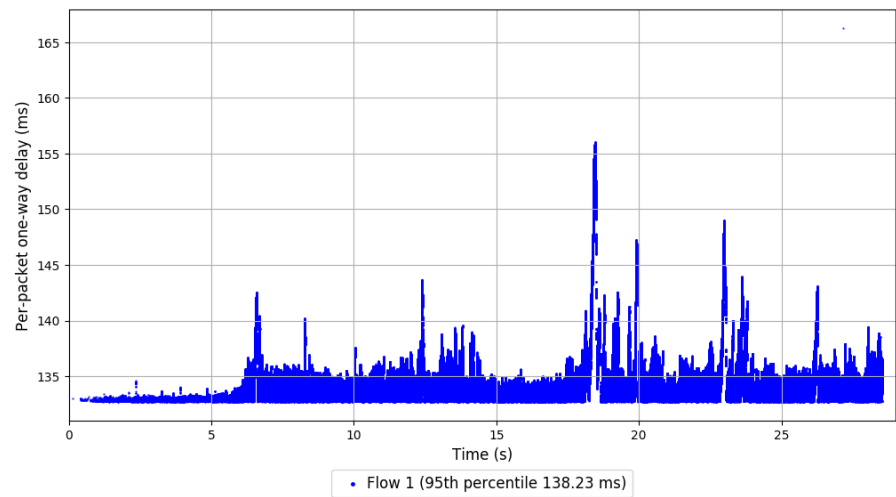
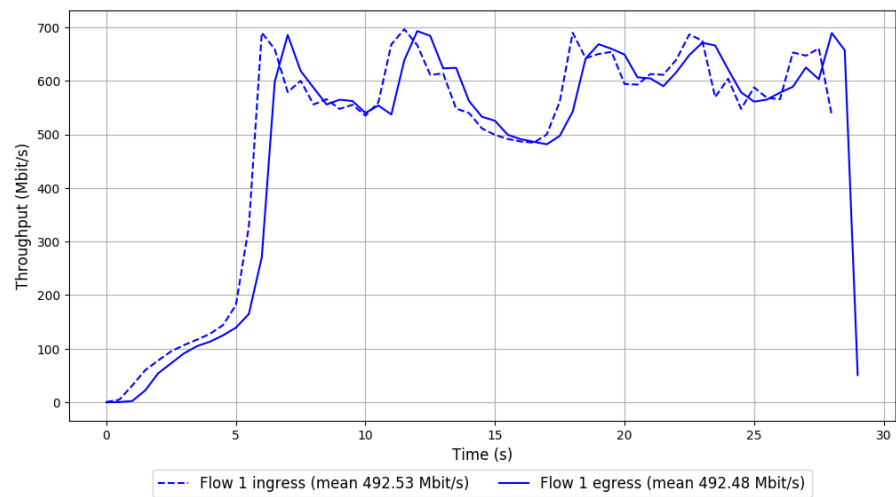


Run 4: Statistics of Indigo-MusesD

Start at: 2019-02-20 08:52:21
End at: 2019-02-20 08:52:51
Local clock offset: -0.027 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2019-02-20 11:17:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 492.48 Mbit/s
95th percentile per-packet one-way delay: 138.227 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 492.48 Mbit/s
95th percentile per-packet one-way delay: 138.227 ms
Loss rate: 0.01%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-02-20 09:32:37

End at: 2019-02-20 09:33:07

Local clock offset: -0.124 ms

Remote clock offset: 0.265 ms

Below is generated by plot.py at 2019-02-20 11:19:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 457.63 Mbit/s

95th percentile per-packet one-way delay: 140.751 ms

Loss rate: 0.00%

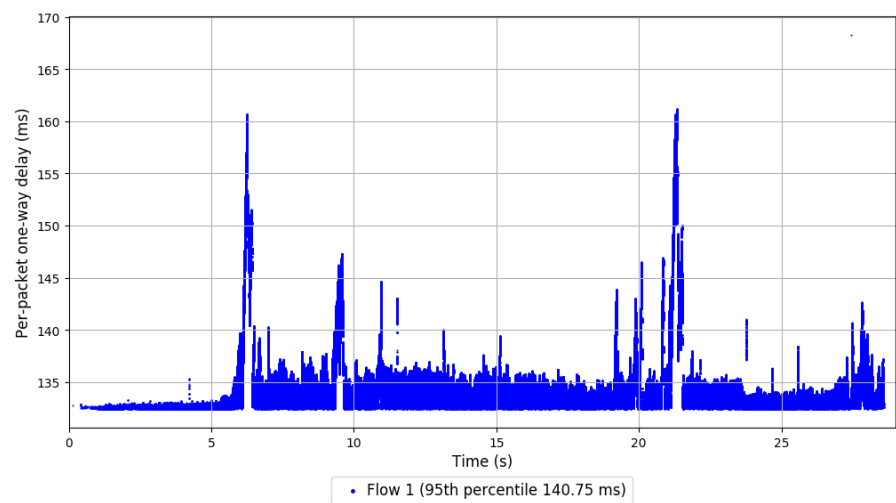
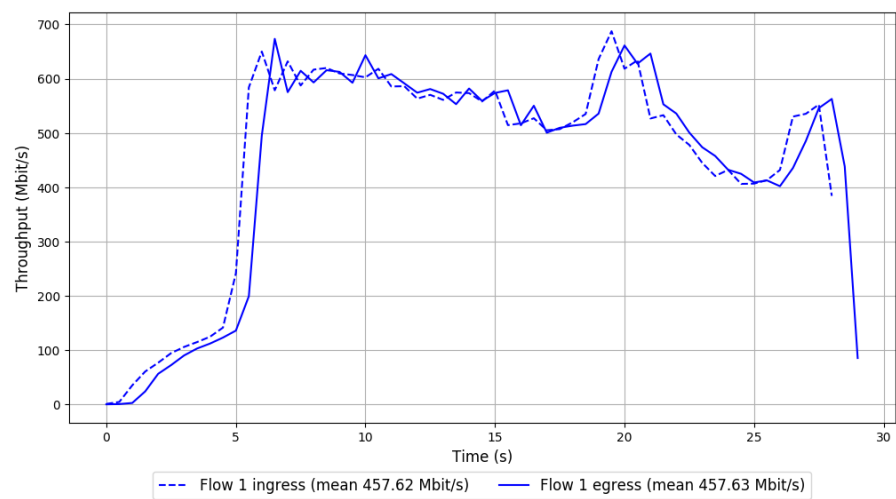
-- Flow 1:

Average throughput: 457.63 Mbit/s

95th percentile per-packet one-way delay: 140.751 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-02-20 07:08:48

End at: 2019-02-20 07:09:18

Local clock offset: 0.147 ms

Remote clock offset: -0.029 ms

Below is generated by plot.py at 2019-02-20 11:24:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 628.99 Mbit/s

95th percentile per-packet one-way delay: 172.060 ms

Loss rate: 0.04%

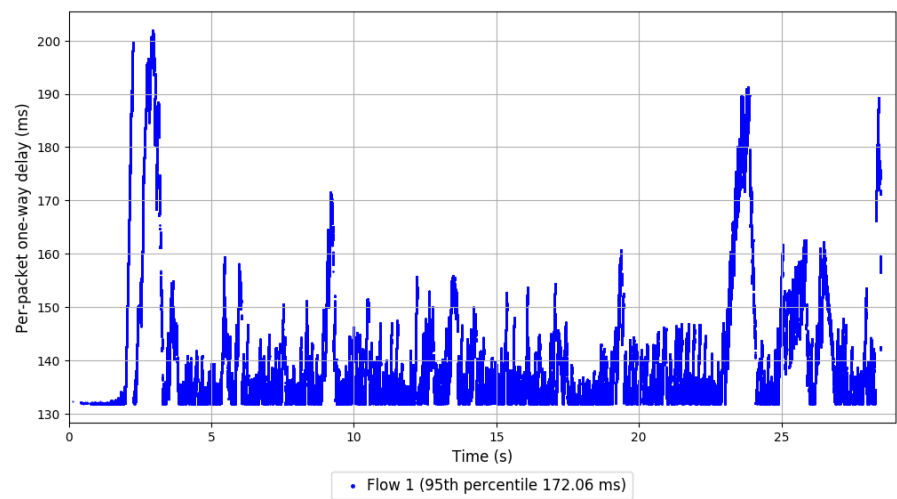
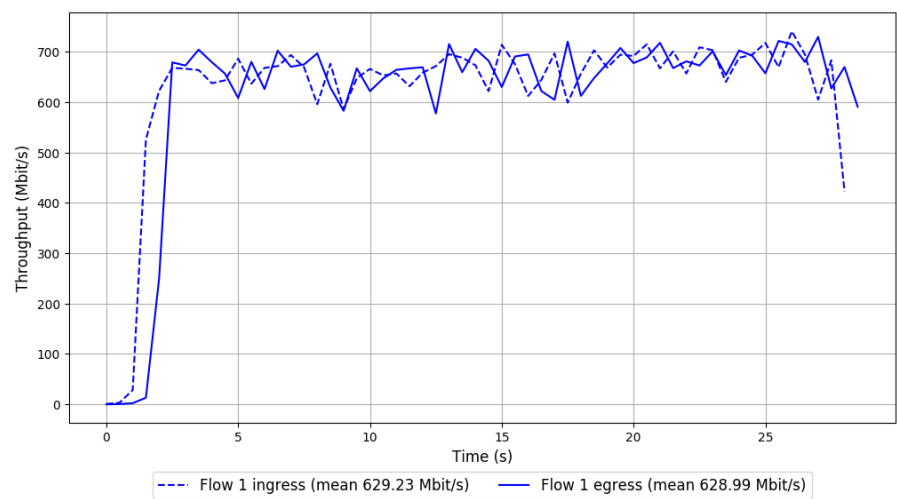
-- Flow 1:

Average throughput: 628.99 Mbit/s

95th percentile per-packet one-way delay: 172.060 ms

Loss rate: 0.04%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-02-20 07:51:00

End at: 2019-02-20 07:51:30

Local clock offset: 0.417 ms

Remote clock offset: -0.018 ms

Below is generated by plot.py at 2019-02-20 11:24:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 600.92 Mbit/s

95th percentile per-packet one-way delay: 205.894 ms

Loss rate: 0.22%

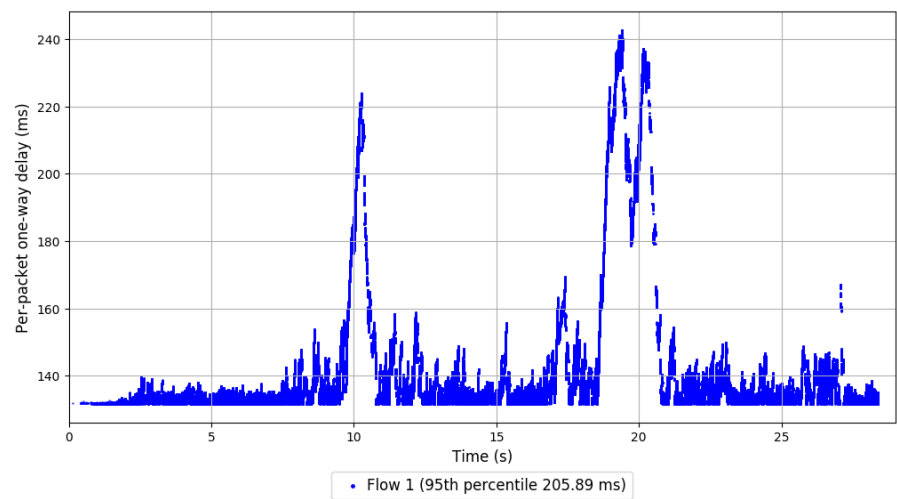
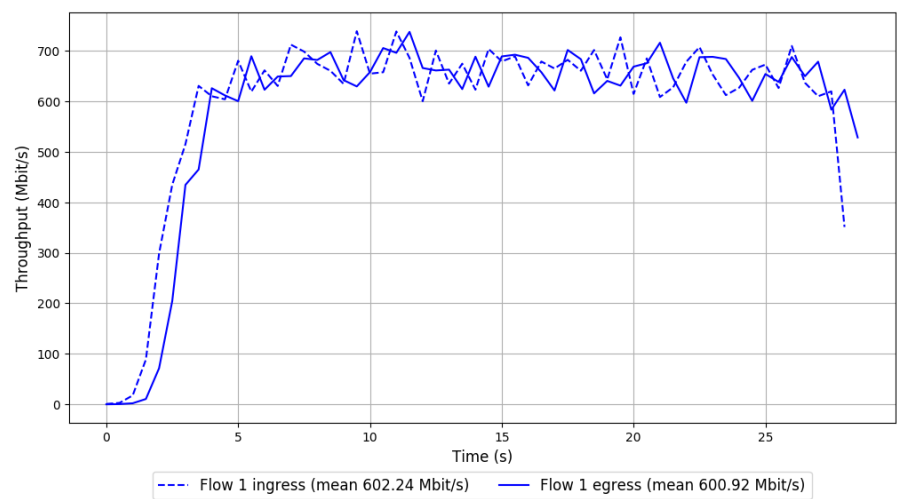
-- Flow 1:

Average throughput: 600.92 Mbit/s

95th percentile per-packet one-way delay: 205.894 ms

Loss rate: 0.22%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-02-20 08:31:57

End at: 2019-02-20 08:32:27

Local clock offset: 0.346 ms

Remote clock offset: -0.118 ms

Below is generated by plot.py at 2019-02-20 11:25:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 617.24 Mbit/s

95th percentile per-packet one-way delay: 151.046 ms

Loss rate: 0.02%

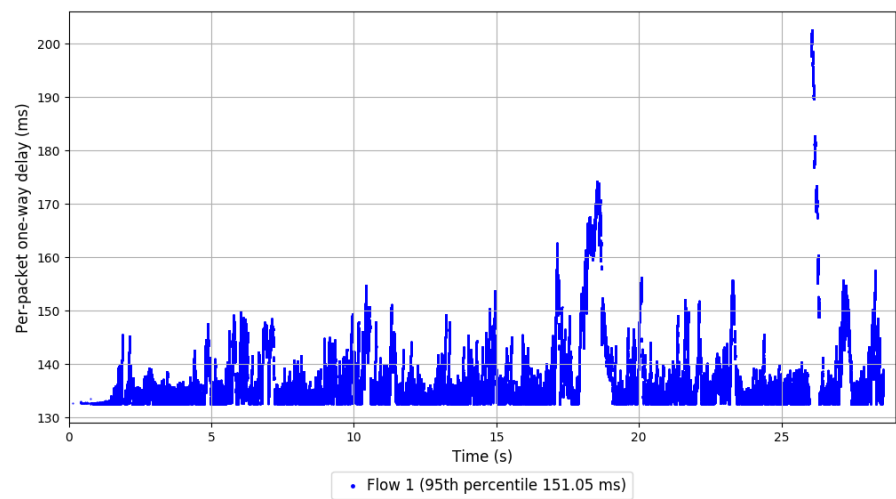
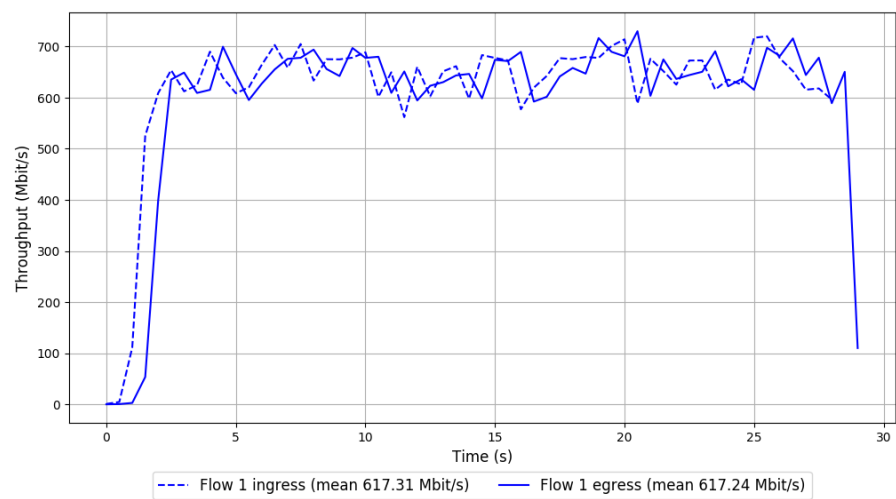
-- Flow 1:

Average throughput: 617.24 Mbit/s

95th percentile per-packet one-way delay: 151.046 ms

Loss rate: 0.02%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-02-20 09:11:19

End at: 2019-02-20 09:11:49

Local clock offset: 0.118 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2019-02-20 11:26:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 581.83 Mbit/s

95th percentile per-packet one-way delay: 191.345 ms

Loss rate: 0.07%

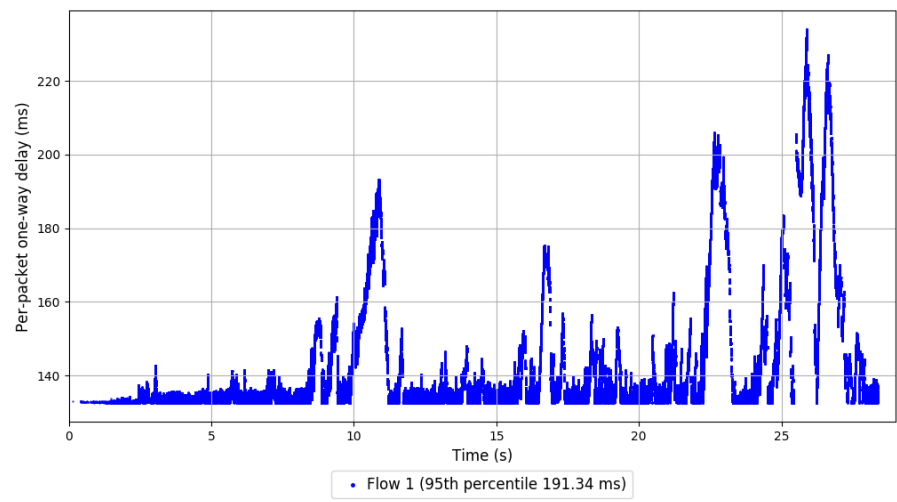
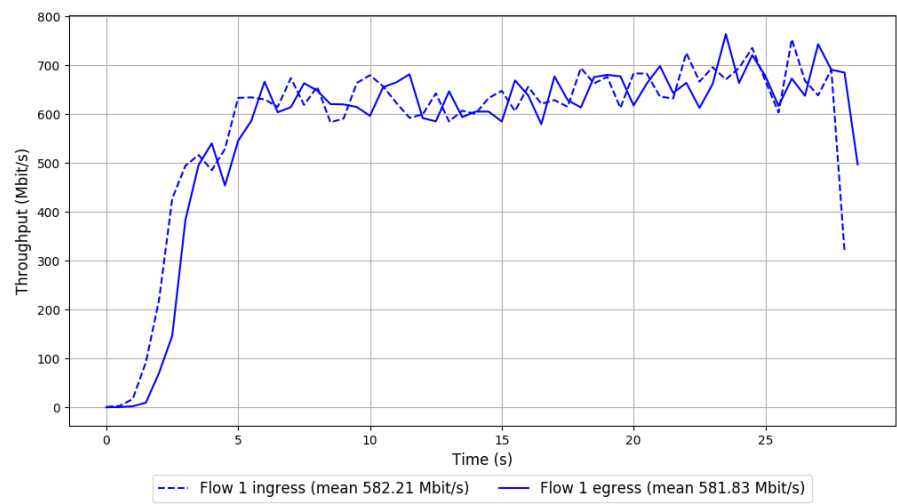
-- Flow 1:

Average throughput: 581.83 Mbit/s

95th percentile per-packet one-way delay: 191.345 ms

Loss rate: 0.07%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-02-20 09:50:38

End at: 2019-02-20 09:51:08

Local clock offset: -0.354 ms

Remote clock offset: -0.19 ms

Below is generated by plot.py at 2019-02-20 11:26:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 610.26 Mbit/s

95th percentile per-packet one-way delay: 158.010 ms

Loss rate: 0.01%

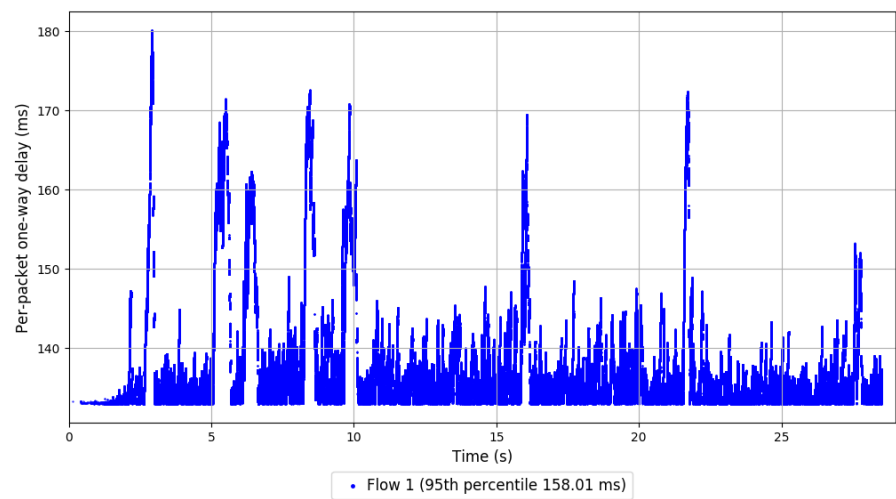
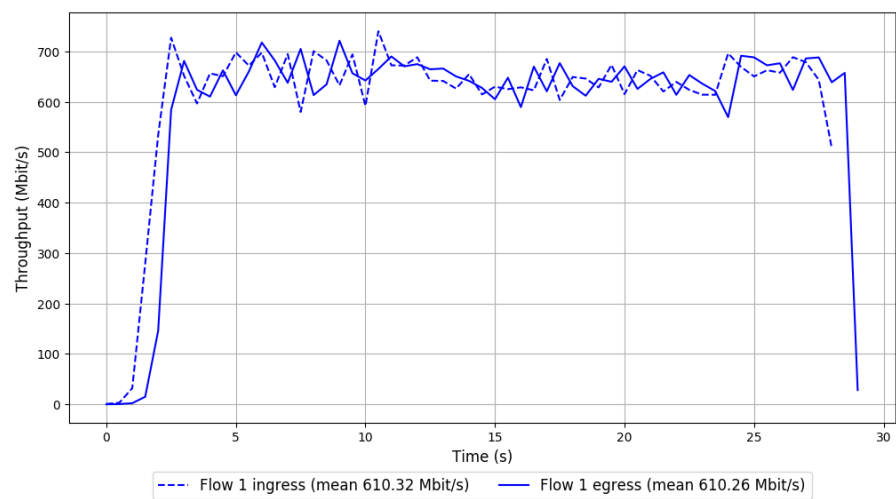
-- Flow 1:

Average throughput: 610.26 Mbit/s

95th percentile per-packet one-way delay: 158.010 ms

Loss rate: 0.01%

Run 5: Report of Indigo-MusesT — Data Link

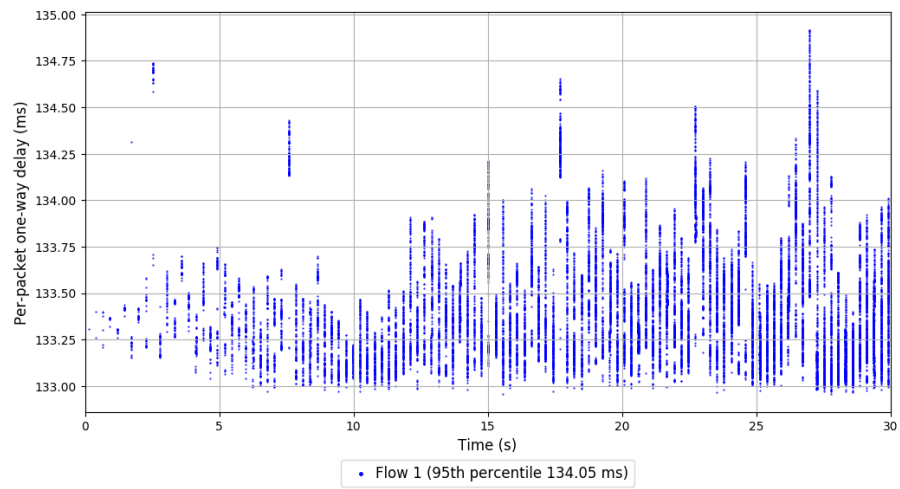
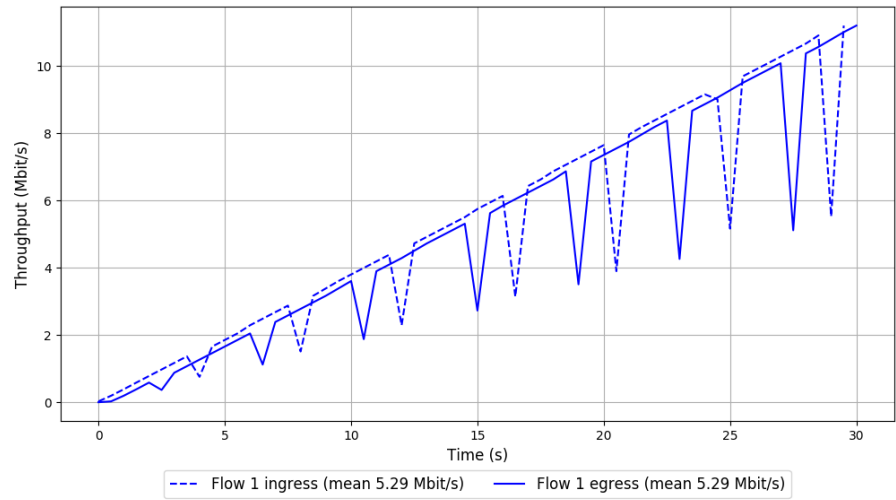


```
Run 1: Statistics of LEDBAT

Start at: 2019-02-20 06:54:49
End at: 2019-02-20 06:55:19
Local clock offset: -0.294 ms
Remote clock offset: -0.022 ms

# Below is generated by plot.py at 2019-02-20 11:26:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.29 Mbit/s
95th percentile per-packet one-way delay: 134.049 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.29 Mbit/s
95th percentile per-packet one-way delay: 134.049 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

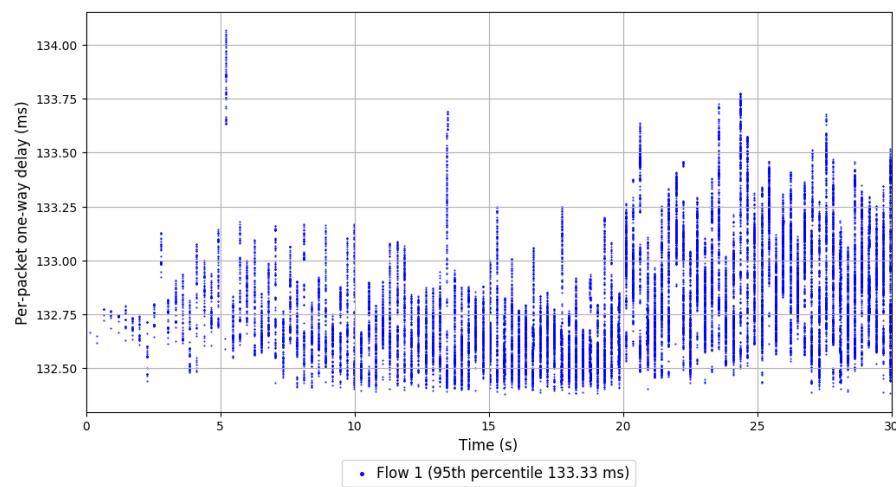
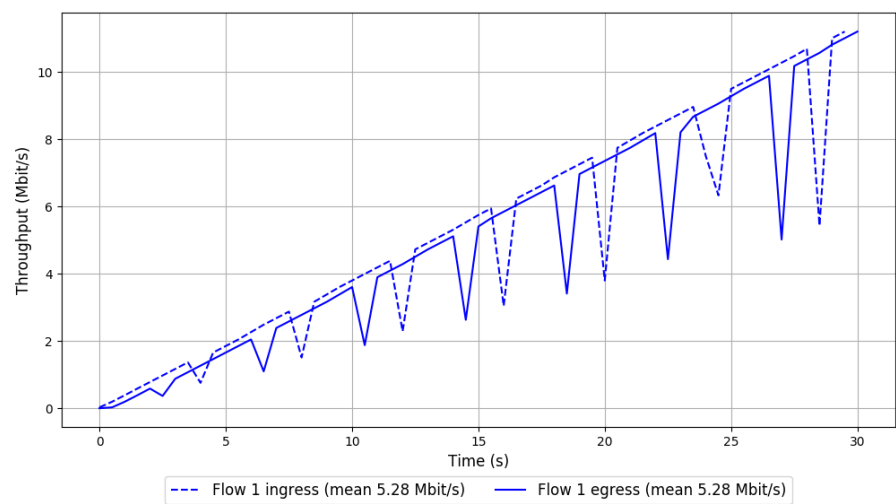


Run 2: Statistics of LEDBAT

Start at: 2019-02-20 07:36:28
End at: 2019-02-20 07:36:58
Local clock offset: -0.072 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2019-02-20 11:26:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.28 Mbit/s
95th percentile per-packet one-way delay: 133.331 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.28 Mbit/s
95th percentile per-packet one-way delay: 133.331 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-02-20 08:17:23

End at: 2019-02-20 08:17:53

Local clock offset: 0.116 ms

Remote clock offset: 0.301 ms

Below is generated by plot.py at 2019-02-20 11:26:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.23 Mbit/s

95th percentile per-packet one-way delay: 134.134 ms

Loss rate: 0.00%

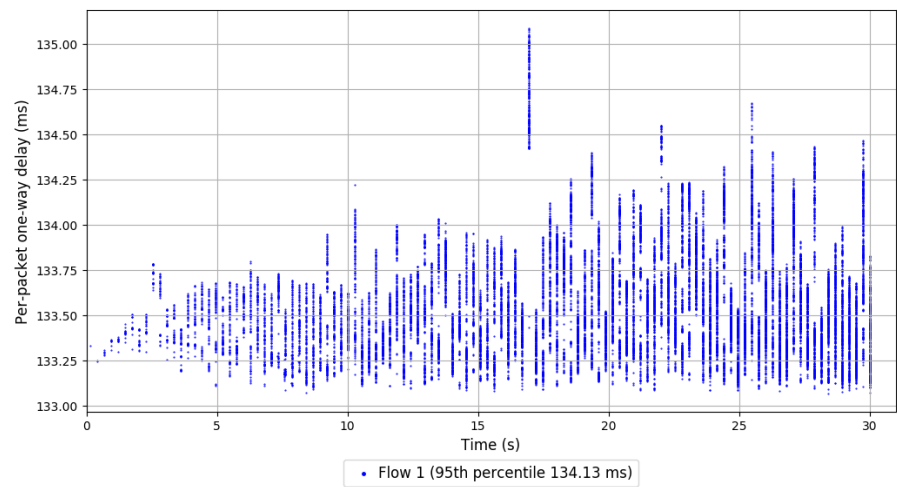
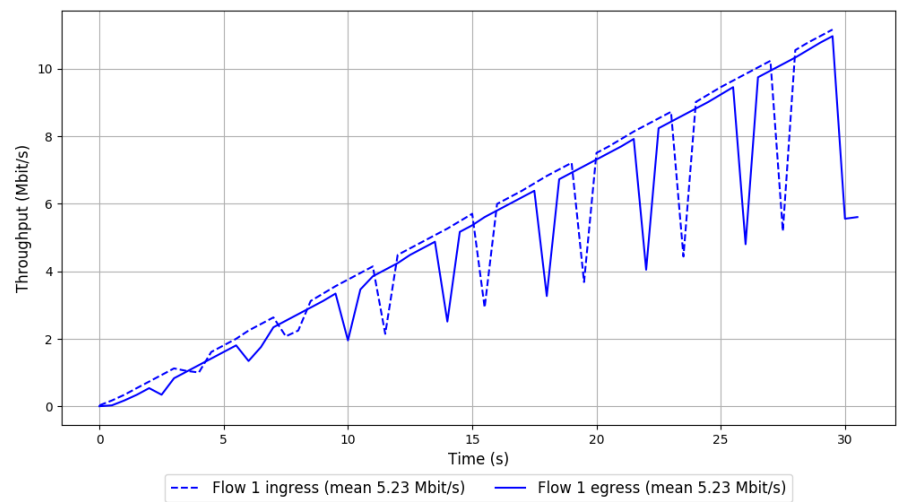
-- Flow 1:

Average throughput: 5.23 Mbit/s

95th percentile per-packet one-way delay: 134.134 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-02-20 08:57:34

End at: 2019-02-20 08:58:04

Local clock offset: -0.062 ms

Remote clock offset: 0.301 ms

Below is generated by plot.py at 2019-02-20 11:26:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.28 Mbit/s

95th percentile per-packet one-way delay: 134.062 ms

Loss rate: 0.00%

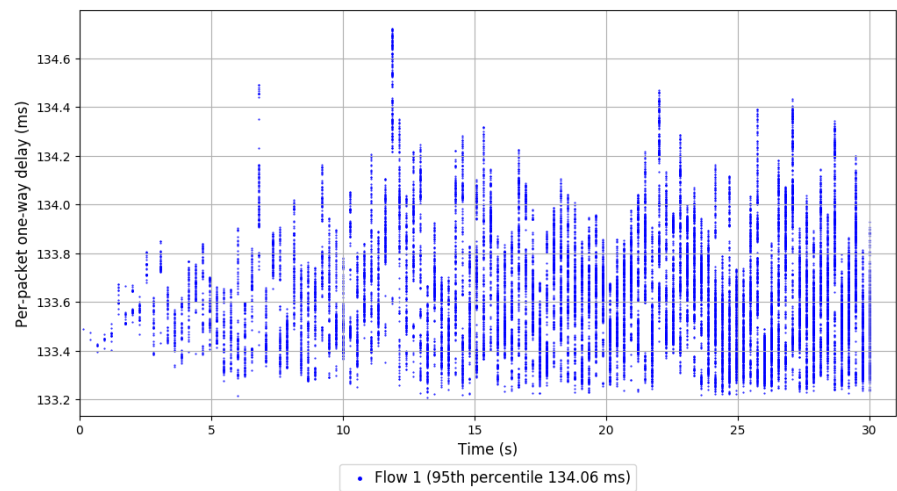
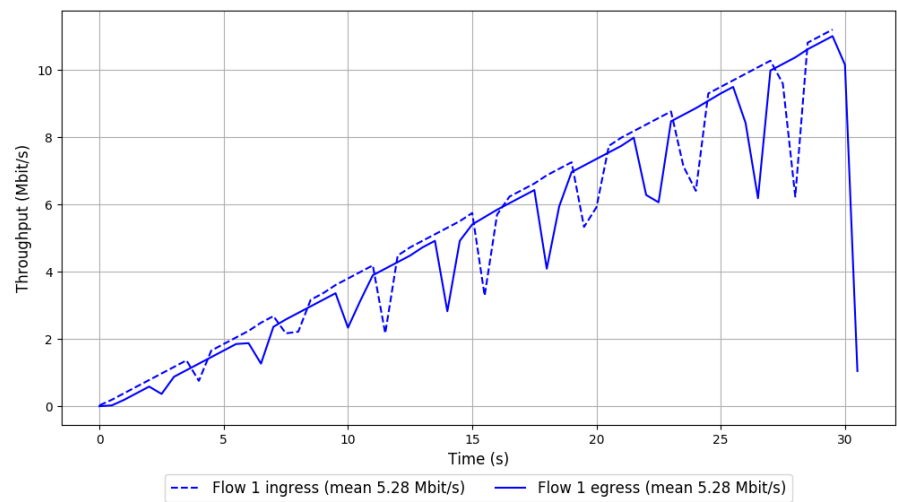
-- Flow 1:

Average throughput: 5.28 Mbit/s

95th percentile per-packet one-way delay: 134.062 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

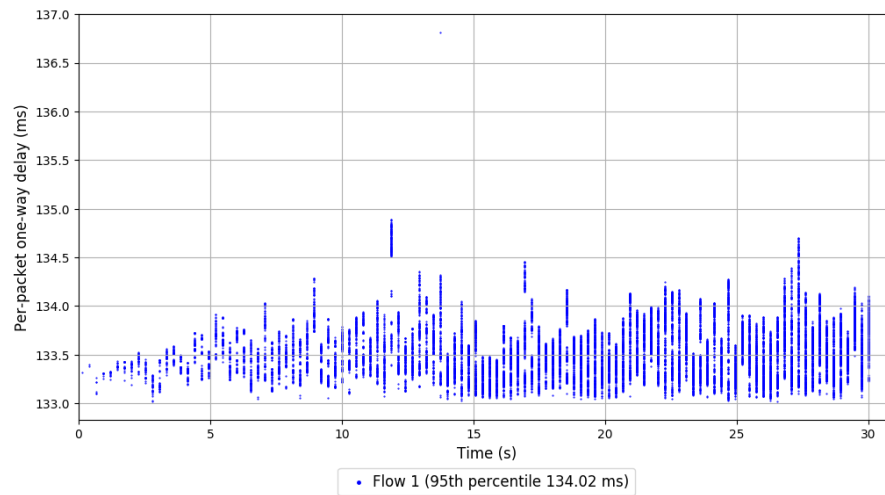
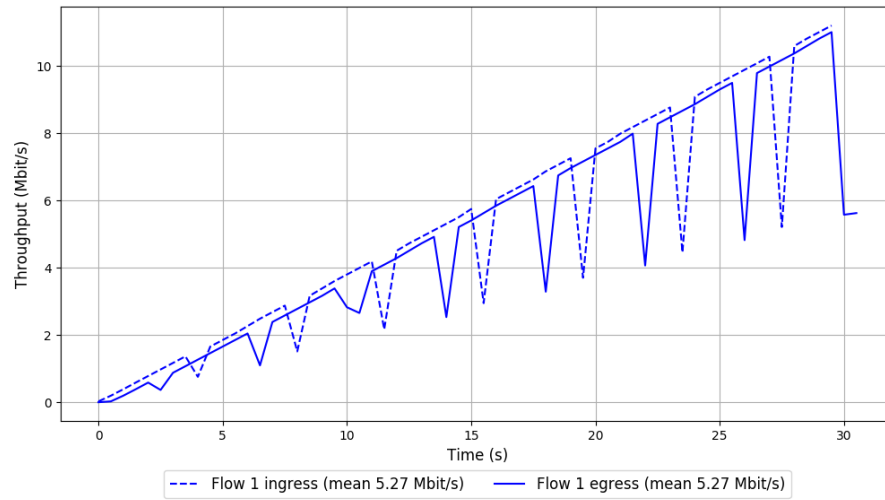


Run 5: Statistics of LEDBAT

Start at: 2019-02-20 09:37:02
End at: 2019-02-20 09:37:32
Local clock offset: -0.39 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2019-02-20 11:26:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.27 Mbit/s
95th percentile per-packet one-way delay: 134.024 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.27 Mbit/s
95th percentile per-packet one-way delay: 134.024 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-02-20 07:06:50

End at: 2019-02-20 07:07:20

Local clock offset: -0.048 ms

Remote clock offset: 0.343 ms

Below is generated by plot.py at 2019-02-20 11:27:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 306.22 Mbit/s

95th percentile per-packet one-way delay: 238.083 ms

Loss rate: 2.29%

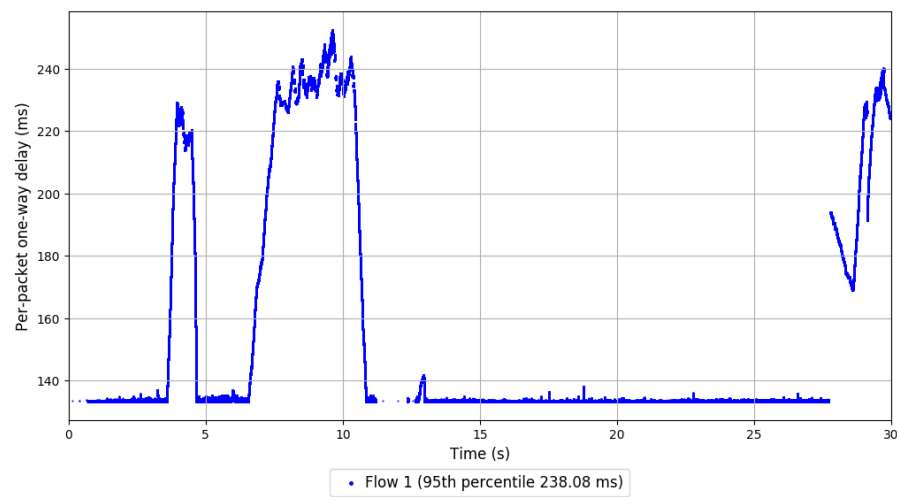
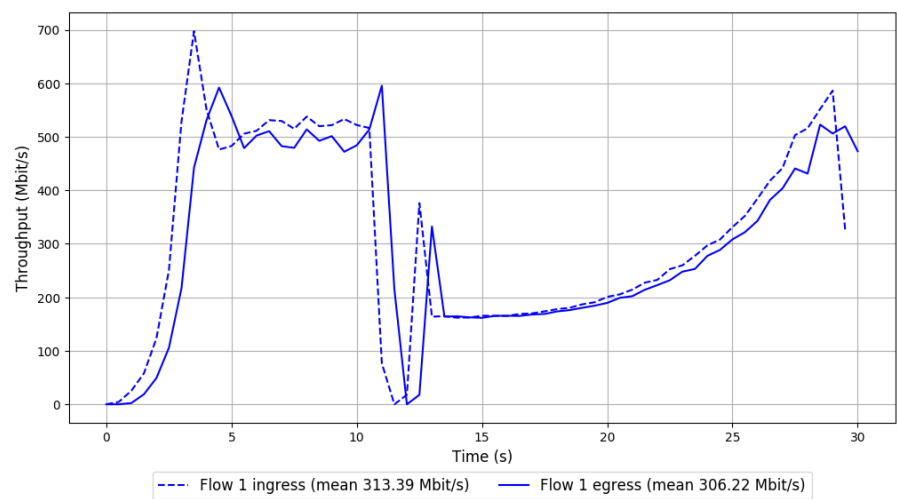
-- Flow 1:

Average throughput: 306.22 Mbit/s

95th percentile per-packet one-way delay: 238.083 ms

Loss rate: 2.29%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-02-20 07:48:15

End at: 2019-02-20 07:48:45

Local clock offset: 0.207 ms

Remote clock offset: -0.035 ms

Below is generated by plot.py at 2019-02-20 11:32:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 449.35 Mbit/s

95th percentile per-packet one-way delay: 234.451 ms

Loss rate: 0.37%

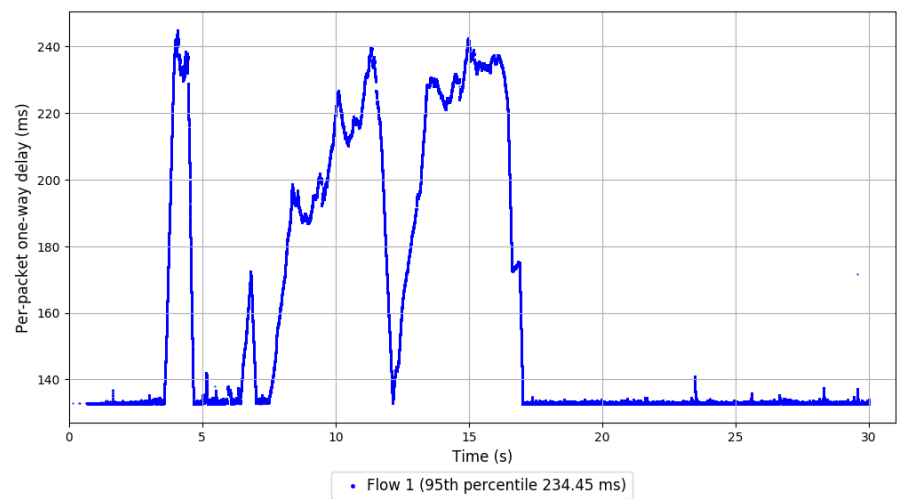
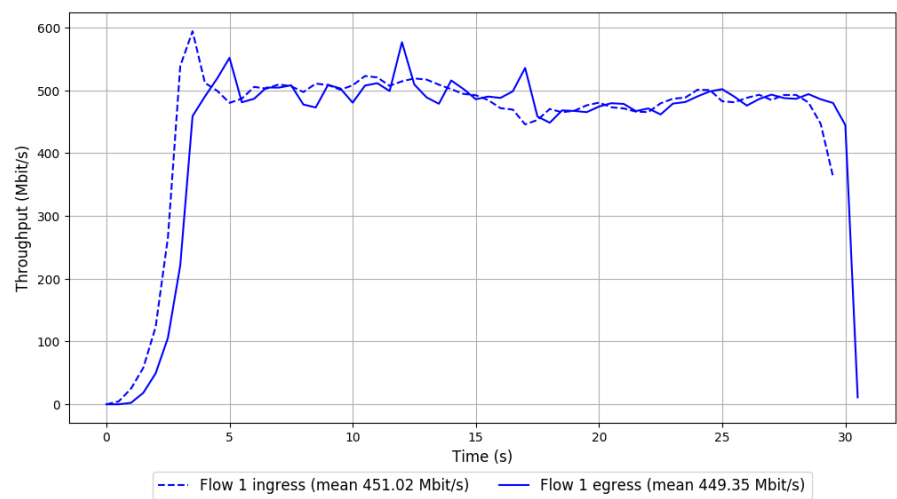
-- Flow 1:

Average throughput: 449.35 Mbit/s

95th percentile per-packet one-way delay: 234.451 ms

Loss rate: 0.37%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-02-20 08:29:39

End at: 2019-02-20 08:30:09

Local clock offset: 0.293 ms

Remote clock offset: -0.133 ms

Below is generated by plot.py at 2019-02-20 11:35:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 428.14 Mbit/s

95th percentile per-packet one-way delay: 237.997 ms

Loss rate: 2.38%

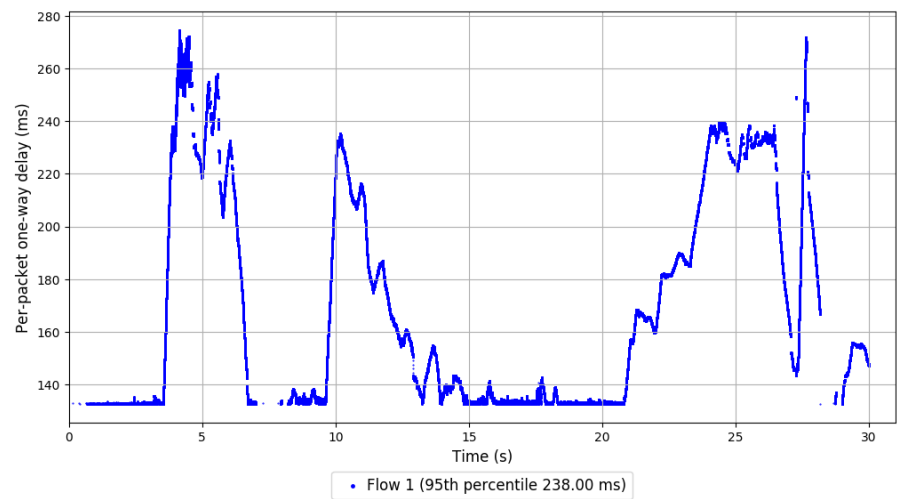
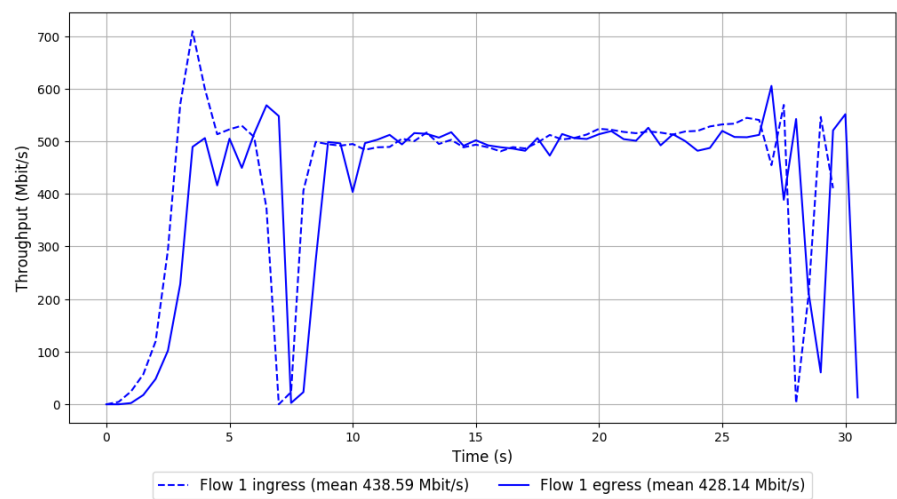
-- Flow 1:

Average throughput: 428.14 Mbit/s

95th percentile per-packet one-way delay: 237.997 ms

Loss rate: 2.38%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-02-20 09:09:05

End at: 2019-02-20 09:09:35

Local clock offset: 0.376 ms

Remote clock offset: -0.061 ms

Below is generated by plot.py at 2019-02-20 11:40:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 422.36 Mbit/s

95th percentile per-packet one-way delay: 238.363 ms

Loss rate: 2.04%

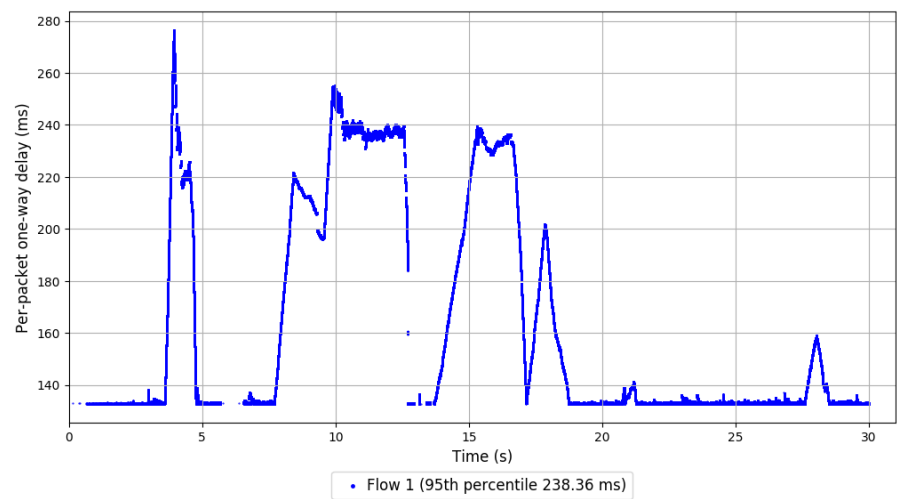
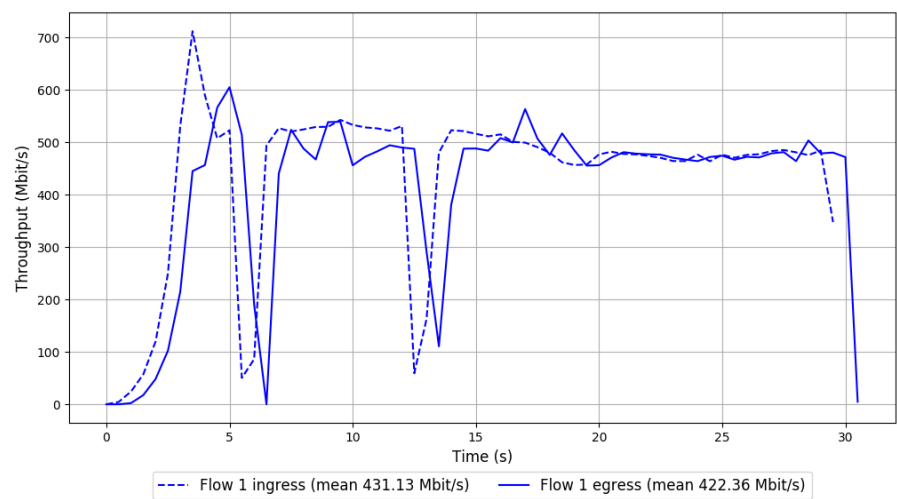
-- Flow 1:

Average throughput: 422.36 Mbit/s

95th percentile per-packet one-way delay: 238.363 ms

Loss rate: 2.04%

Run 4: Report of PCC-Allegro — Data Link

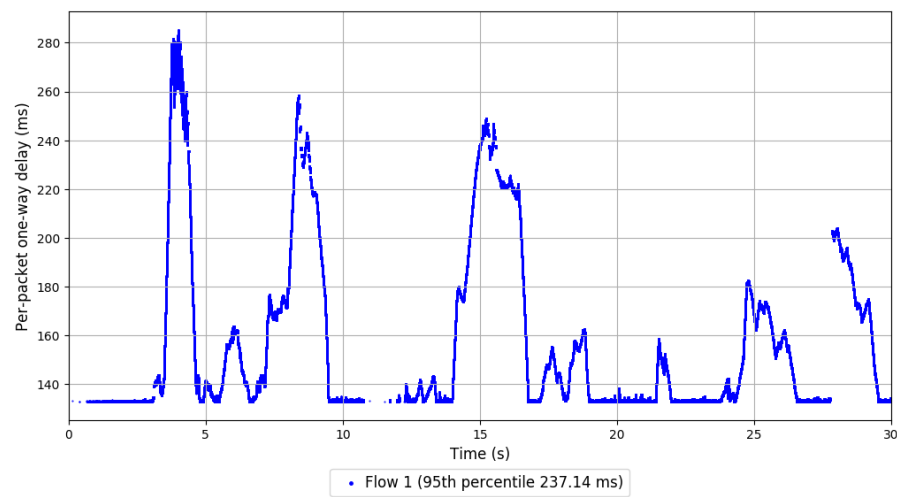
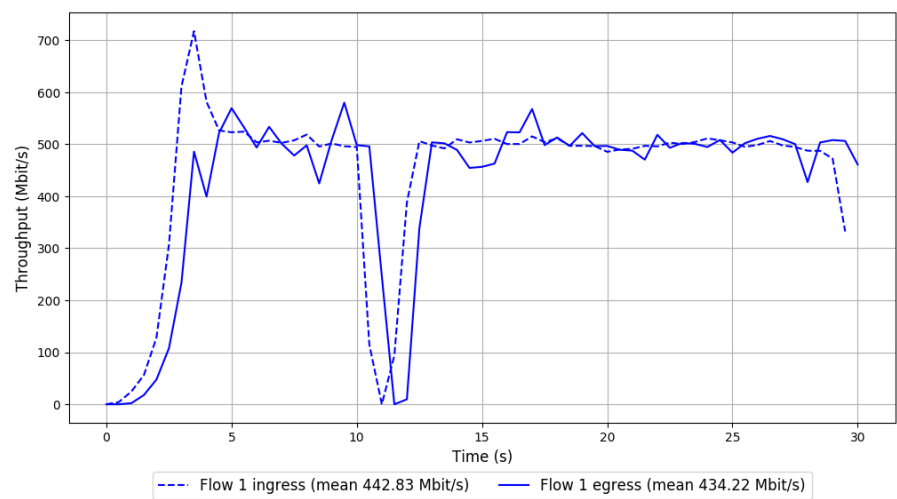


Run 5: Statistics of PCC-Allegro

Start at: 2019-02-20 09:48:19
End at: 2019-02-20 09:48:49
Local clock offset: -0.139 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2019-02-20 11:40:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 434.22 Mbit/s
95th percentile per-packet one-way delay: 237.136 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 434.22 Mbit/s
95th percentile per-packet one-way delay: 237.136 ms
Loss rate: 1.94%

Run 5: Report of PCC-Allegro — Data Link

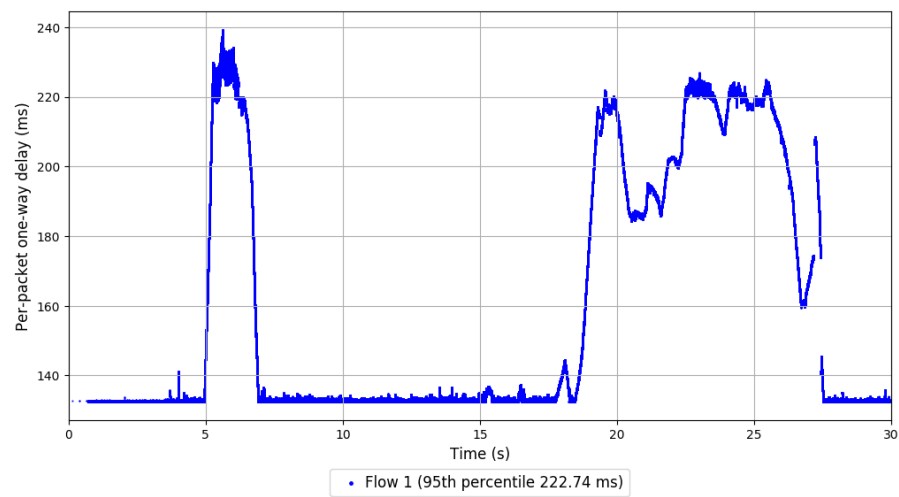
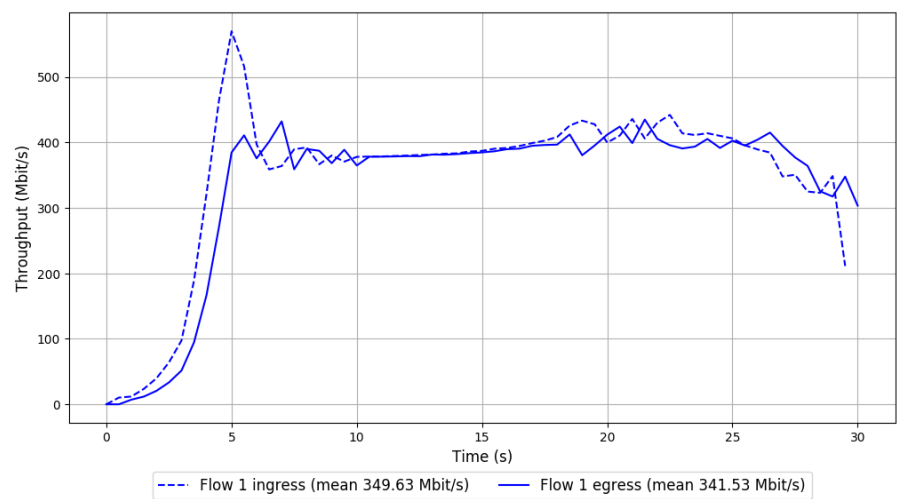


Run 1: Statistics of PCC-Expr

Start at: 2019-02-20 07:12:53
End at: 2019-02-20 07:13:23
Local clock offset: 0.248 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2019-02-20 11:40:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 341.53 Mbit/s
95th percentile per-packet one-way delay: 222.741 ms
Loss rate: 2.32%
-- Flow 1:
Average throughput: 341.53 Mbit/s
95th percentile per-packet one-way delay: 222.741 ms
Loss rate: 2.32%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-02-20 07:54:52

End at: 2019-02-20 07:55:22

Local clock offset: 0.429 ms

Remote clock offset: -0.029 ms

Below is generated by plot.py at 2019-02-20 11:40:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 328.79 Mbit/s

95th percentile per-packet one-way delay: 228.371 ms

Loss rate: 3.30%

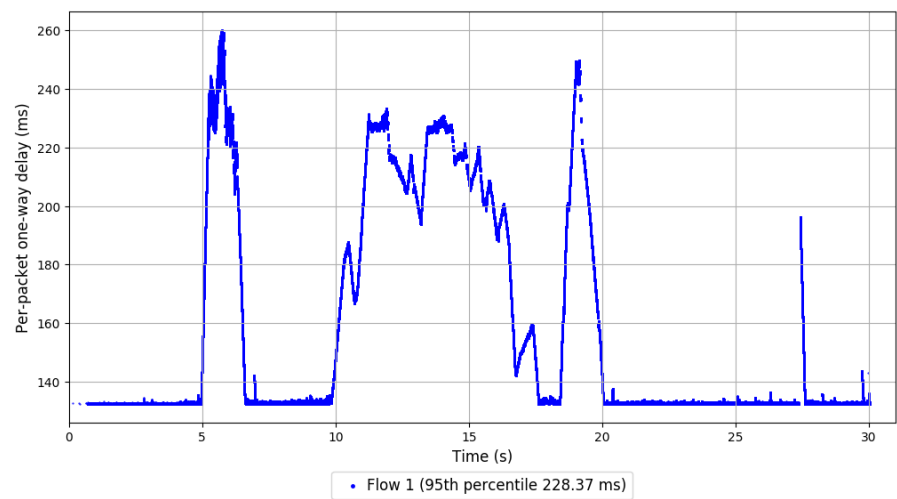
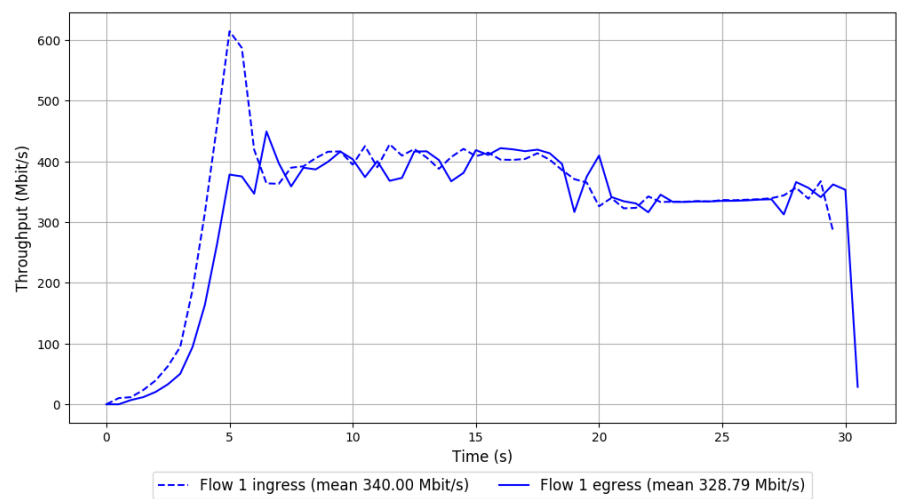
-- Flow 1:

Average throughput: 328.79 Mbit/s

95th percentile per-packet one-way delay: 228.371 ms

Loss rate: 3.30%

Run 2: Report of PCC-Expr — Data Link

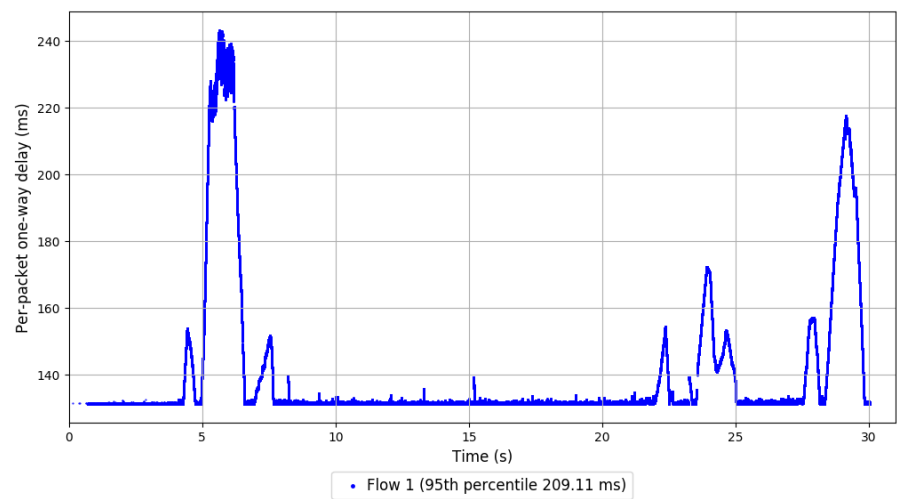
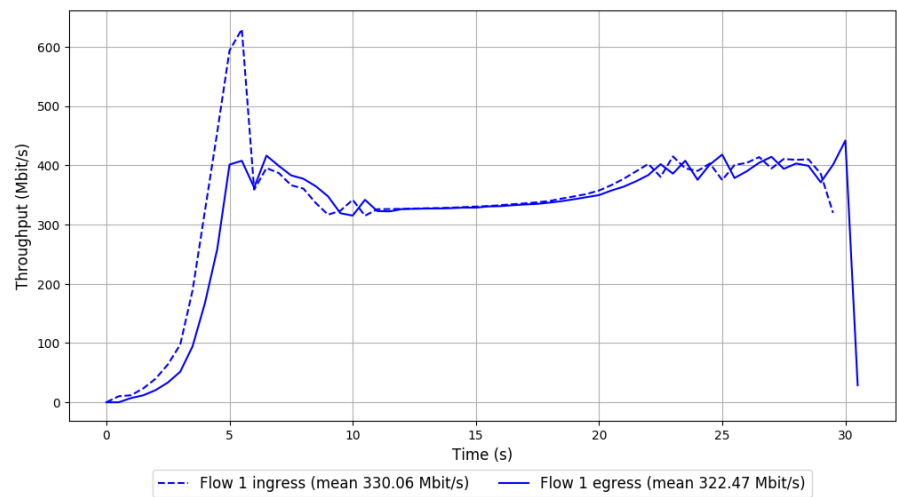


Run 3: Statistics of PCC-Expr

Start at: 2019-02-20 08:35:34
End at: 2019-02-20 08:36:04
Local clock offset: 0.424 ms
Remote clock offset: -0.467 ms

Below is generated by plot.py at 2019-02-20 11:40:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 322.47 Mbit/s
95th percentile per-packet one-way delay: 209.113 ms
Loss rate: 2.30%
-- Flow 1:
Average throughput: 322.47 Mbit/s
95th percentile per-packet one-way delay: 209.113 ms
Loss rate: 2.30%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-02-20 09:15:22

End at: 2019-02-20 09:15:52

Local clock offset: 0.152 ms

Remote clock offset: 0.285 ms

Below is generated by plot.py at 2019-02-20 11:40:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 347.46 Mbit/s

95th percentile per-packet one-way delay: 226.301 ms

Loss rate: 7.28%

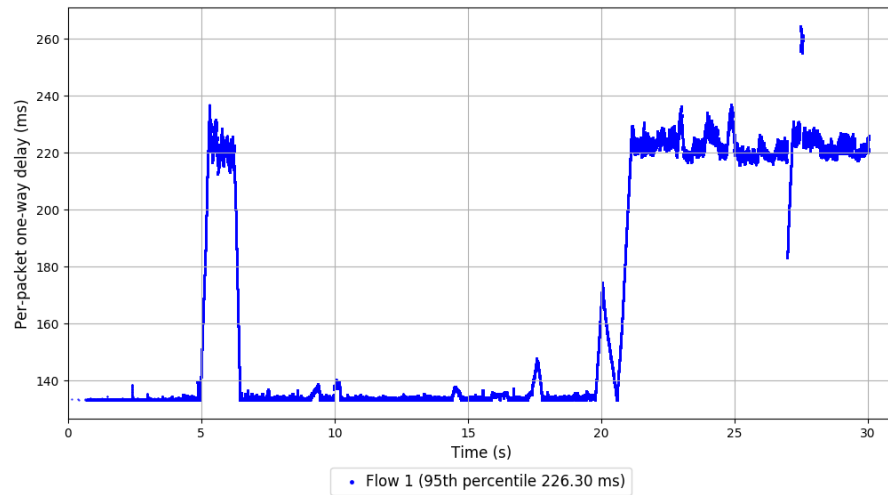
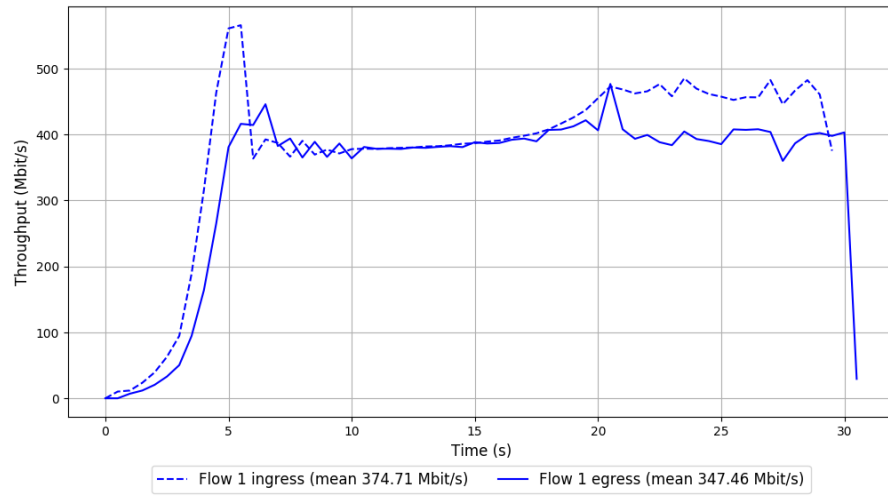
-- Flow 1:

Average throughput: 347.46 Mbit/s

95th percentile per-packet one-way delay: 226.301 ms

Loss rate: 7.28%

Run 4: Report of PCC-Expr — Data Link

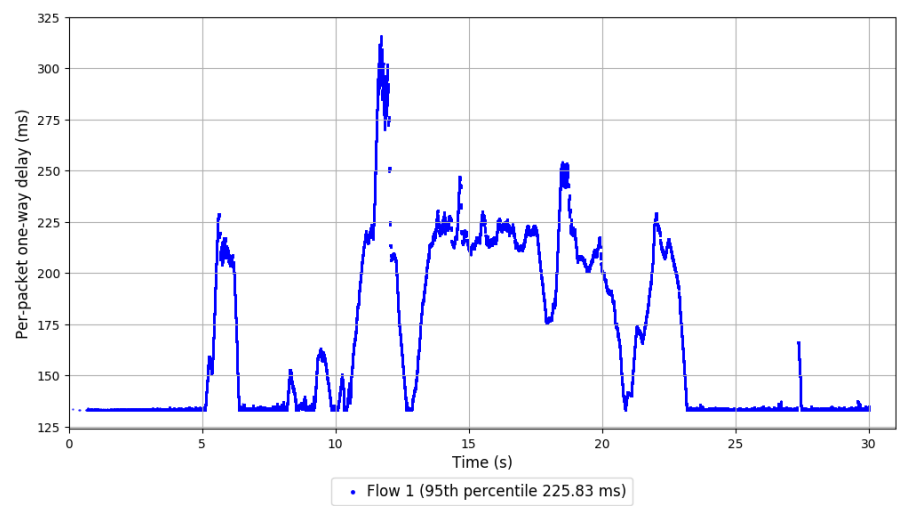
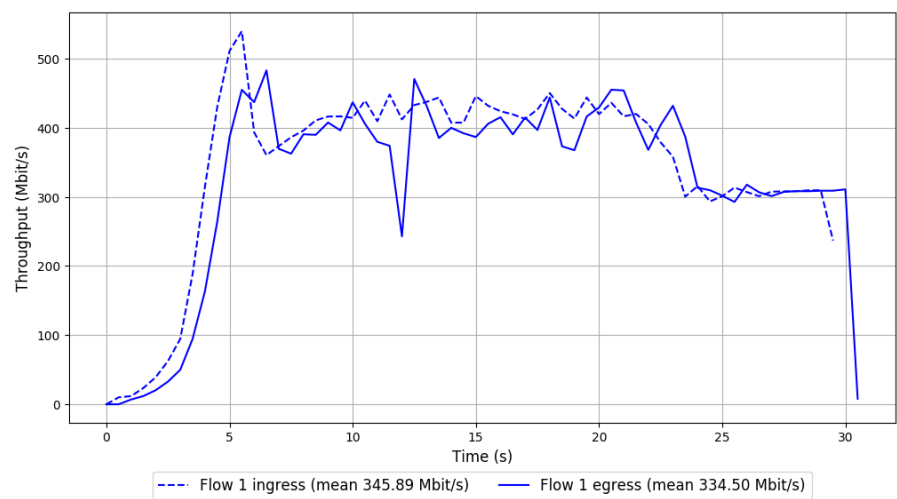


Run 5: Statistics of PCC-Expr

Start at: 2019-02-20 09:54:02
End at: 2019-02-20 09:54:32
Local clock offset: -0.208 ms
Remote clock offset: -0.188 ms

Below is generated by plot.py at 2019-02-20 11:47:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 334.50 Mbit/s
95th percentile per-packet one-way delay: 225.830 ms
Loss rate: 3.29%
-- Flow 1:
Average throughput: 334.50 Mbit/s
95th percentile per-packet one-way delay: 225.830 ms
Loss rate: 3.29%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

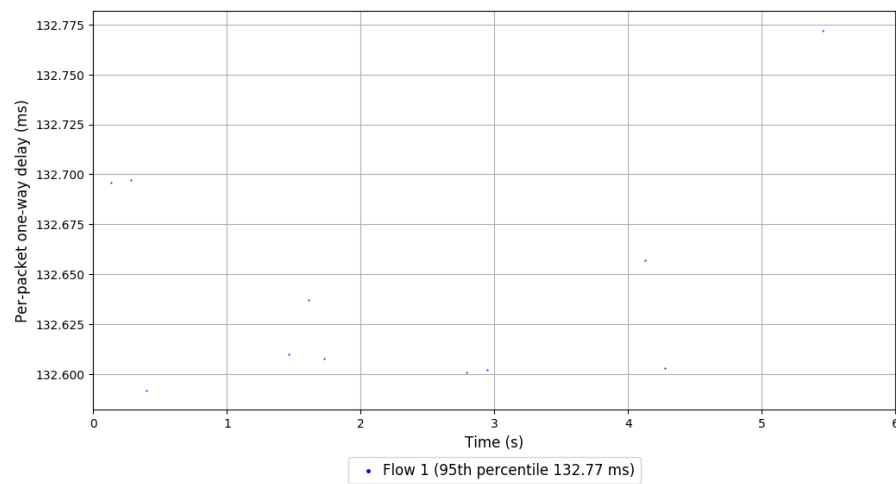
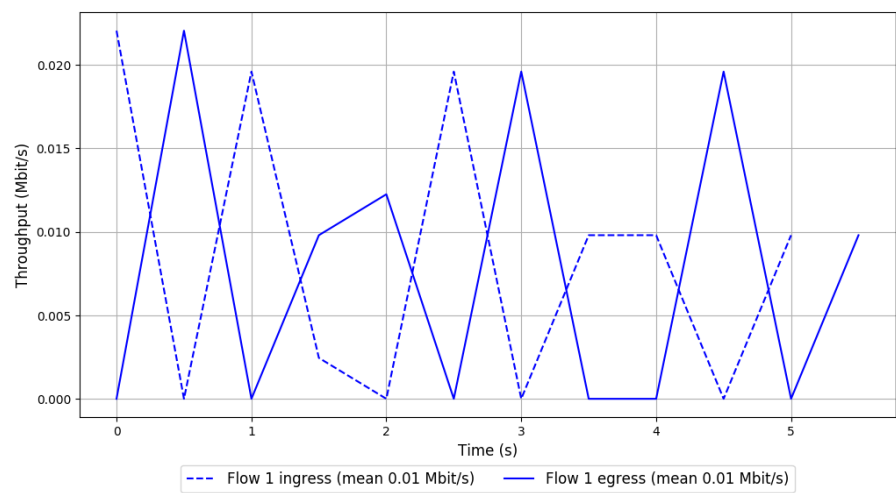
Start at: 2019-02-20 06:53:38

End at: 2019-02-20 06:54:08

Local clock offset: -0.484 ms

Remote clock offset: 0.014 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-02-20 07:35:12

End at: 2019-02-20 07:35:42

Local clock offset: -0.028 ms

Remote clock offset: -0.097 ms

Below is generated by plot.py at 2019-02-20 11:47:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.47 Mbit/s

95th percentile per-packet one-way delay: 132.563 ms

Loss rate: 0.00%

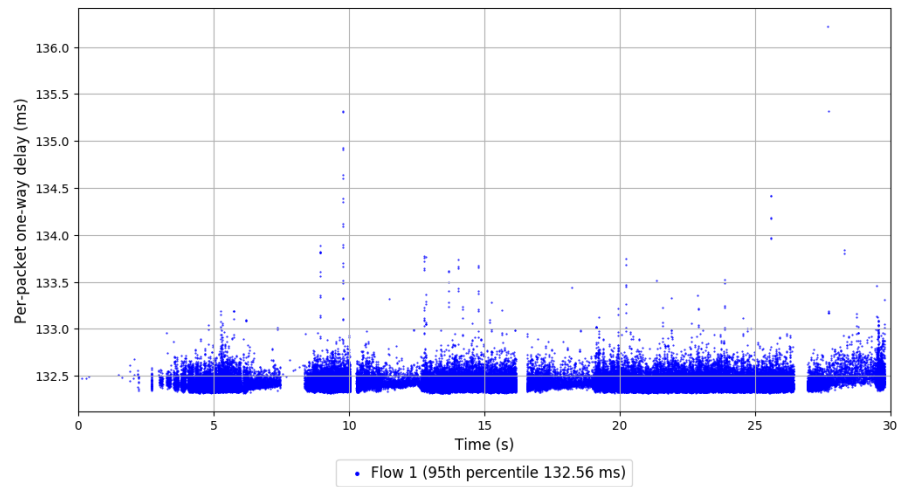
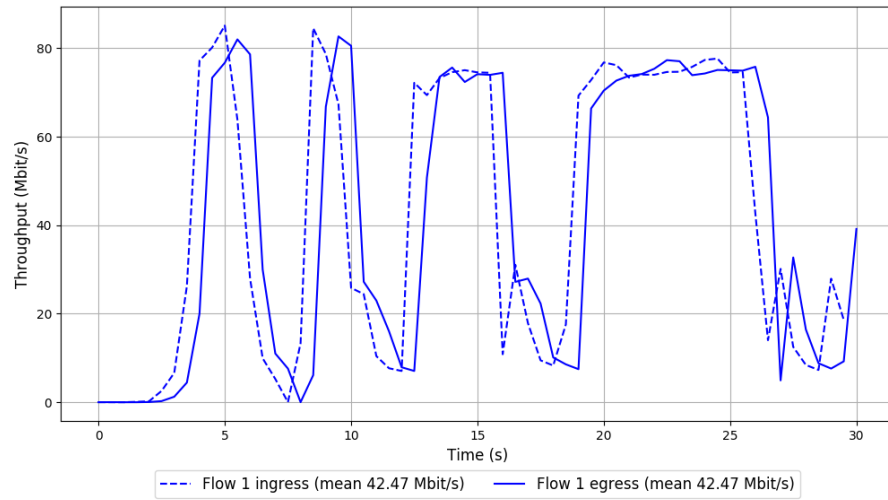
-- Flow 1:

Average throughput: 42.47 Mbit/s

95th percentile per-packet one-way delay: 132.563 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-02-20 08:16:02

End at: 2019-02-20 08:16:32

Local clock offset: -0.005 ms

Remote clock offset: -0.068 ms

Below is generated by plot.py at 2019-02-20 11:47:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.63 Mbit/s

95th percentile per-packet one-way delay: 133.045 ms

Loss rate: 0.00%

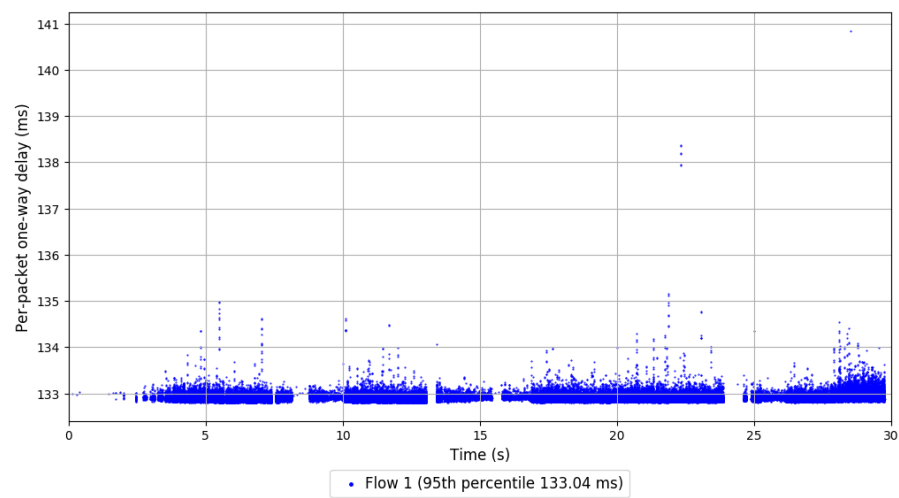
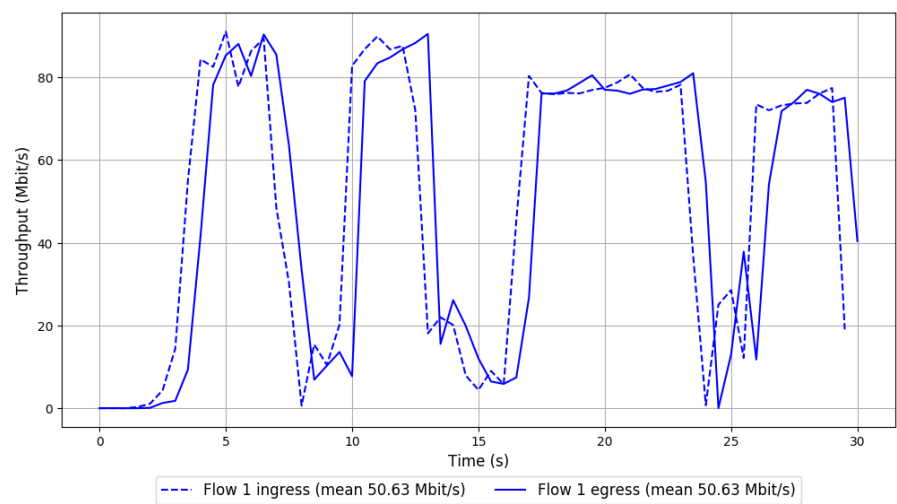
-- Flow 1:

Average throughput: 50.63 Mbit/s

95th percentile per-packet one-way delay: 133.045 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link

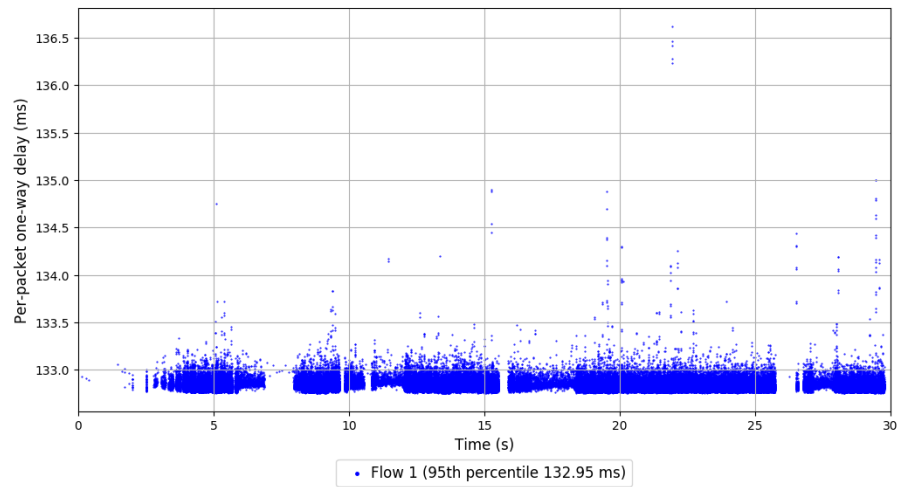
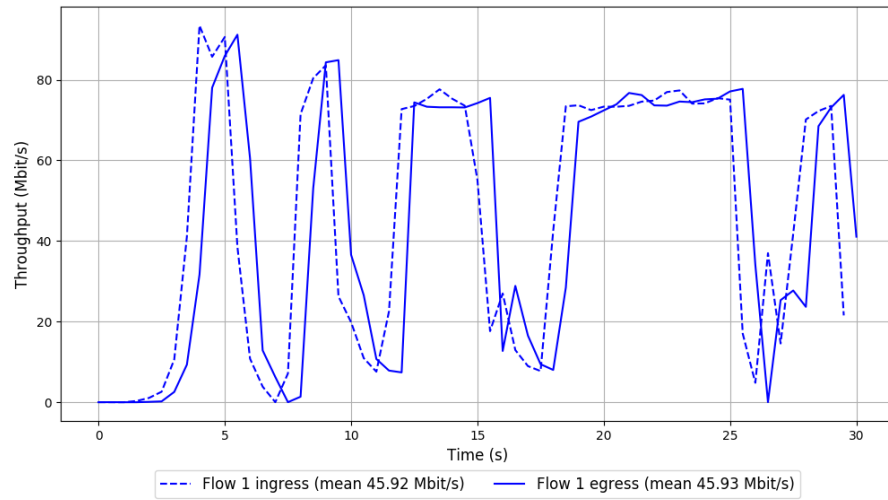


Run 4: Statistics of QUIC Cubic

Start at: 2019-02-20 08:56:16
End at: 2019-02-20 08:56:46
Local clock offset: -0.104 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2019-02-20 11:47:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 45.93 Mbit/s
95th percentile per-packet one-way delay: 132.951 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.93 Mbit/s
95th percentile per-packet one-way delay: 132.951 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-02-20 09:35:46

End at: 2019-02-20 09:36:16

Local clock offset: 0.317 ms

Remote clock offset: -0.121 ms

Below is generated by plot.py at 2019-02-20 11:47:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.93 Mbit/s

95th percentile per-packet one-way delay: 132.571 ms

Loss rate: 0.00%

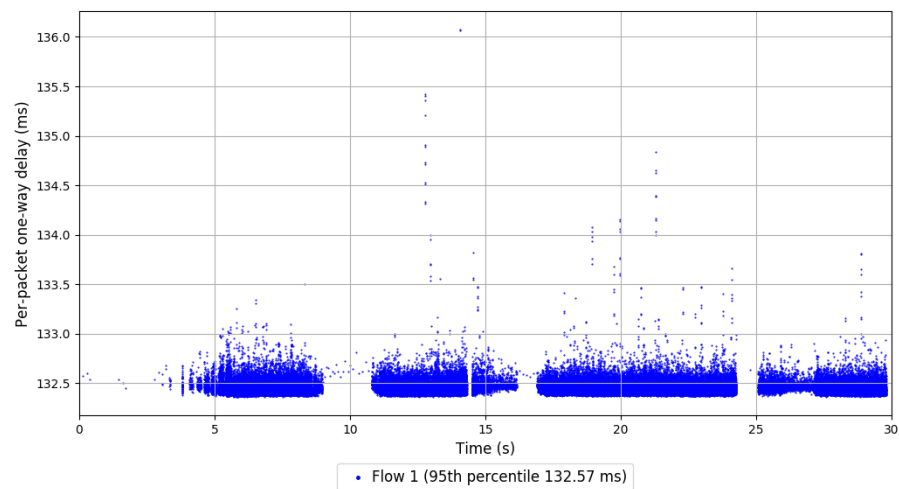
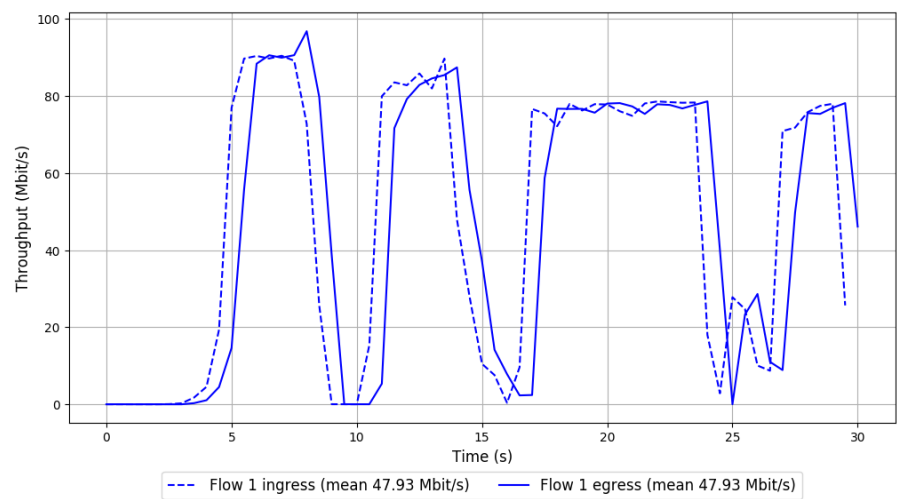
-- Flow 1:

Average throughput: 47.93 Mbit/s

95th percentile per-packet one-way delay: 132.571 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

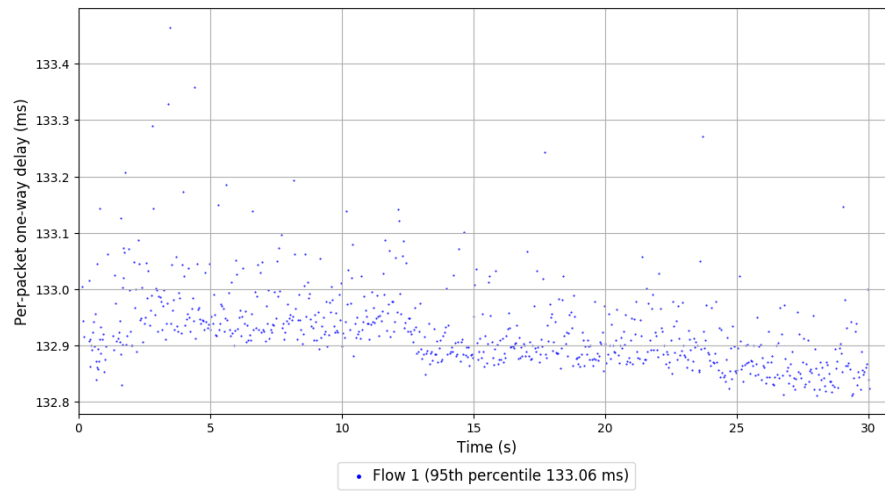
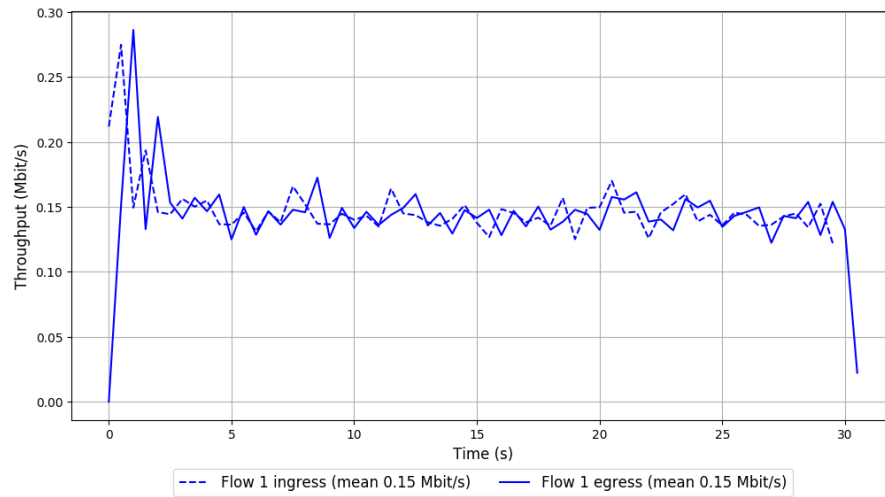


Run 1: Statistics of SCReAM

Start at: 2019-02-20 07:17:14
End at: 2019-02-20 07:17:44
Local clock offset: 0.036 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2019-02-20 11:47:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.056 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.056 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

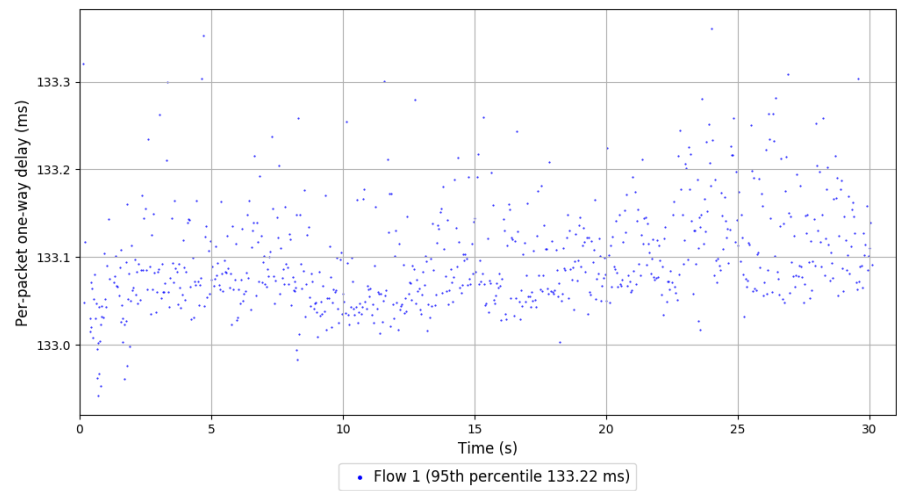
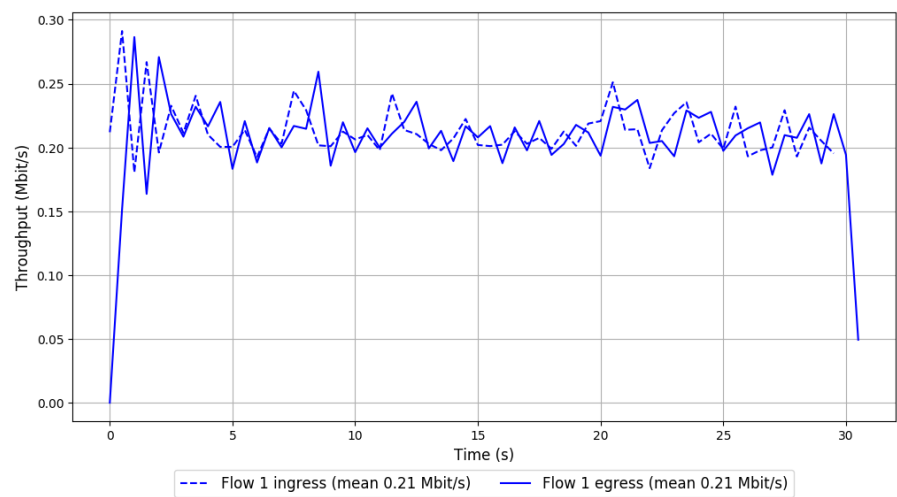


Run 2: Statistics of SCReAM

Start at: 2019-02-20 07:59:08
End at: 2019-02-20 07:59:38
Local clock offset: -0.188 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2019-02-20 11:47:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 133.215 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 133.215 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

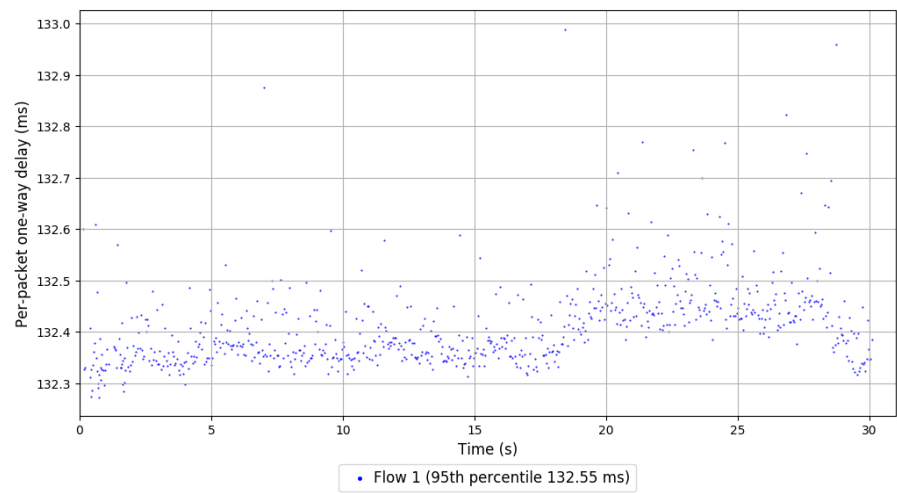
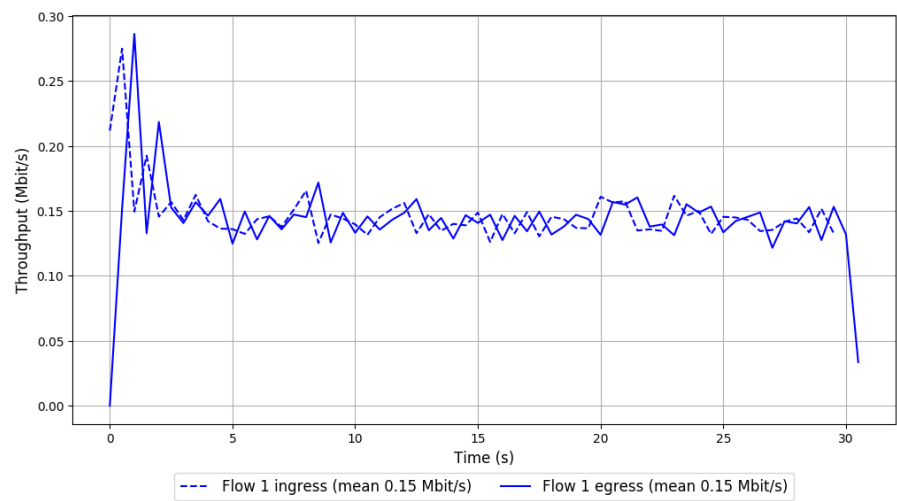


Run 3: Statistics of SCReAM

Start at: 2019-02-20 08:39:49
End at: 2019-02-20 08:40:19
Local clock offset: 0.241 ms
Remote clock offset: -0.143 ms

Below is generated by plot.py at 2019-02-20 11:47:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 132.551 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 132.551 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

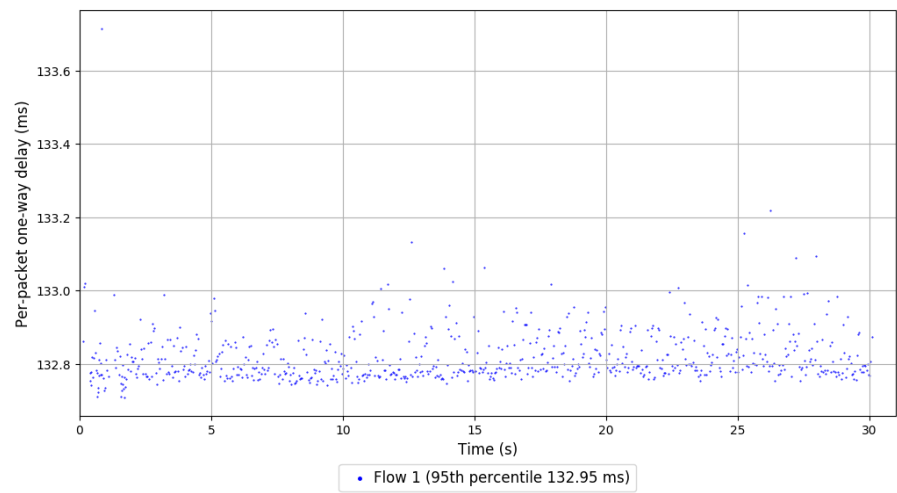
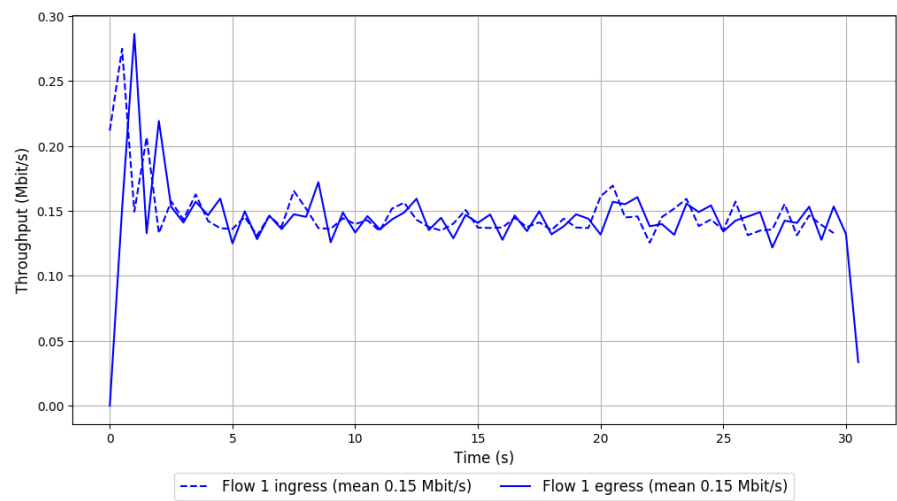


Run 4: Statistics of SCReAM

Start at: 2019-02-20 09:19:10
End at: 2019-02-20 09:19:40
Local clock offset: 0.146 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2019-02-20 11:47:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 132.952 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 132.952 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2019-02-20 09:58:13

End at: 2019-02-20 09:58:43

Local clock offset: -0.099 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2019-02-20 11:47:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 133.134 ms

Loss rate: 0.00%

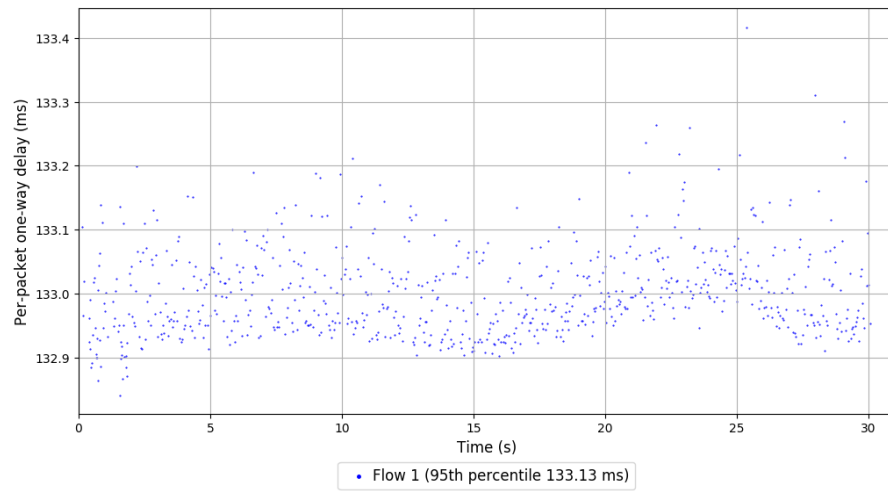
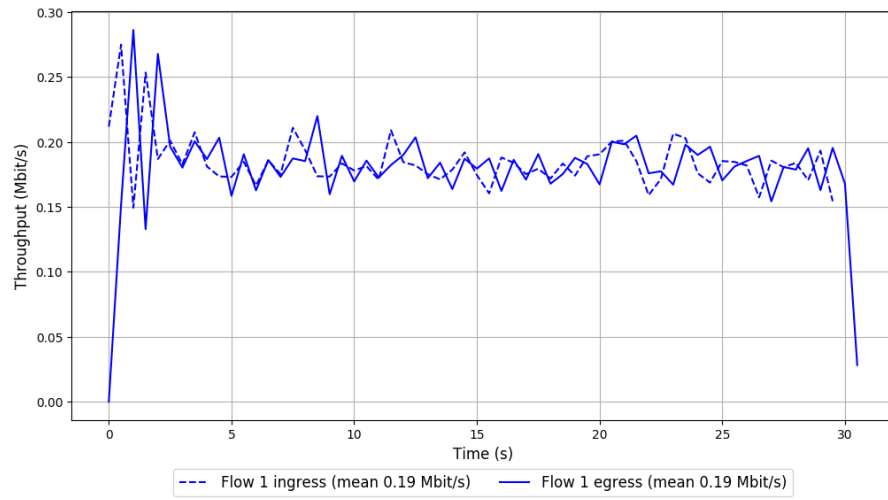
-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 133.134 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

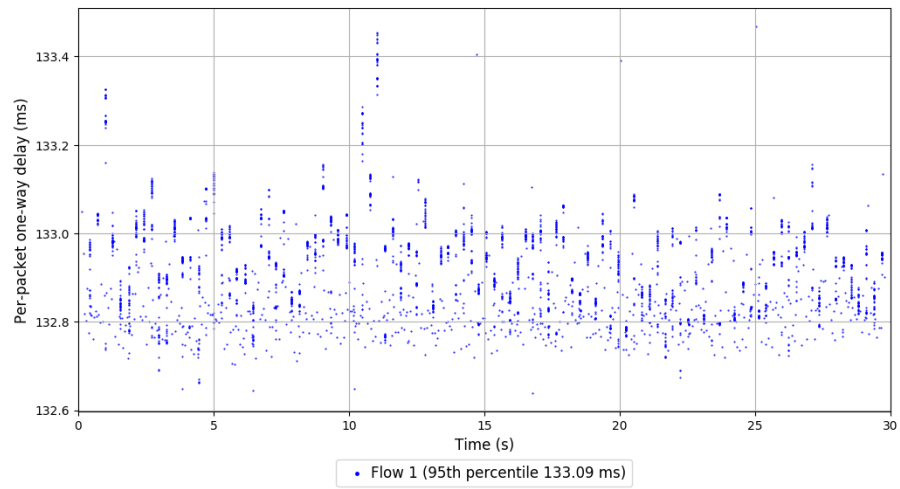
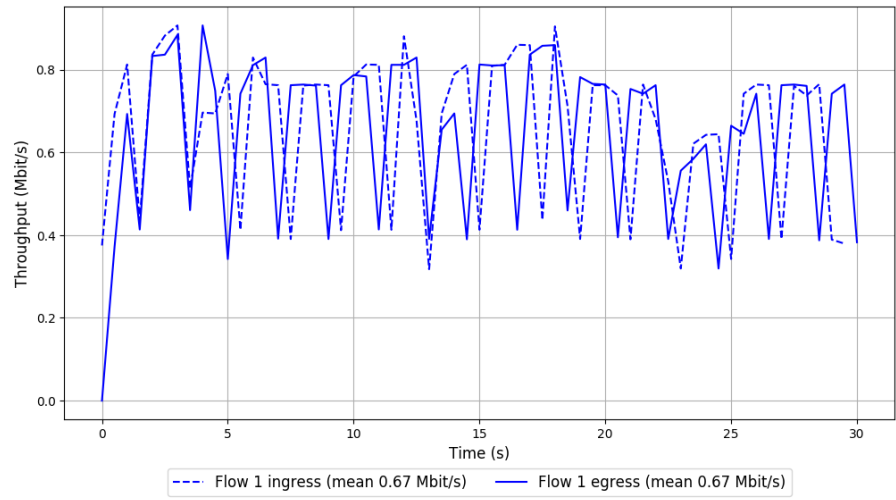


Run 1: Statistics of Sprout

Start at: 2019-02-20 06:40:15
End at: 2019-02-20 06:40:45
Local clock offset: 0.171 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2019-02-20 11:47:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 133.091 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 133.091 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

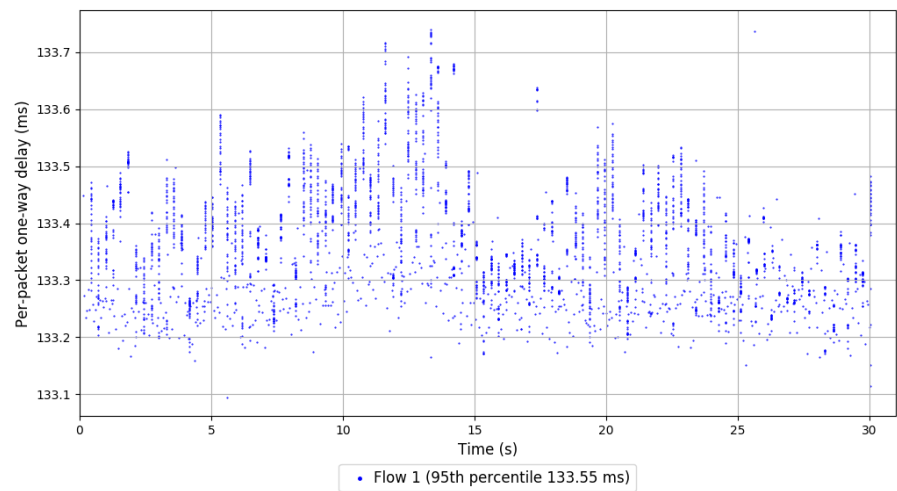
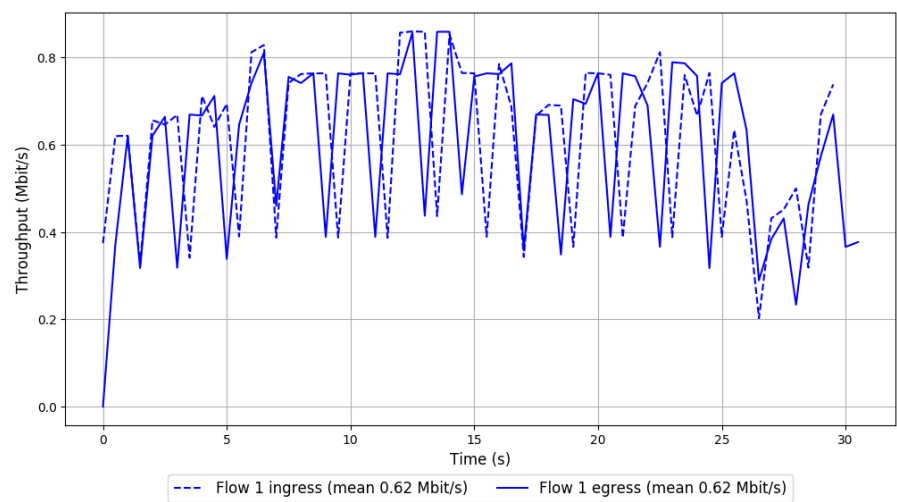


Run 2: Statistics of Sprout

Start at: 2019-02-20 07:20:38
End at: 2019-02-20 07:21:08
Local clock offset: -0.288 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2019-02-20 11:47:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 133.553 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 133.553 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

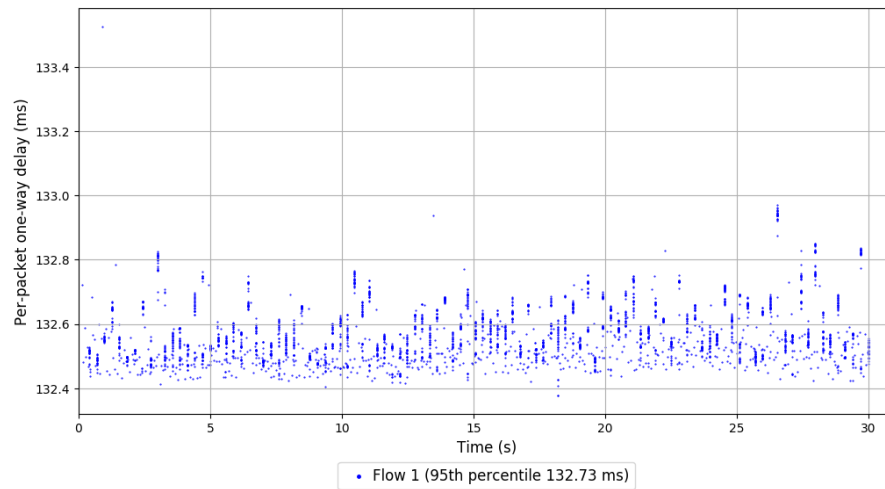
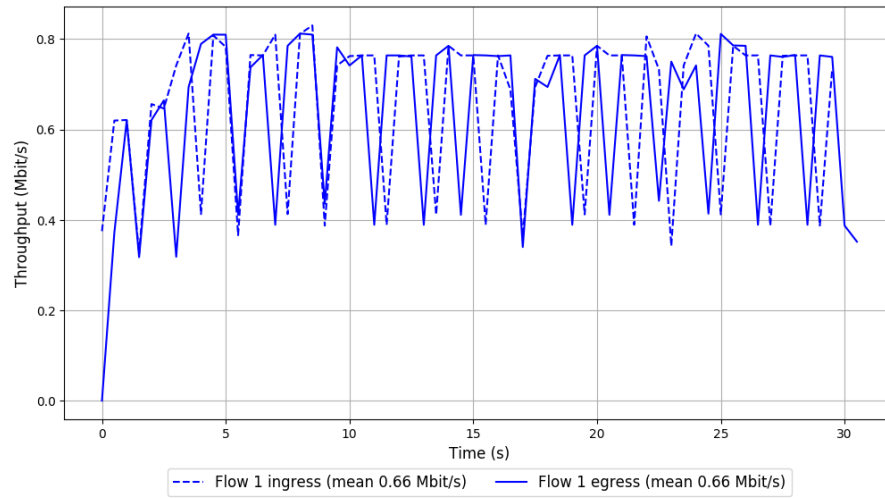


Run 3: Statistics of Sprout

Start at: 2019-02-20 08:02:29
End at: 2019-02-20 08:02:59
Local clock offset: -0.0 ms
Remote clock offset: -0.389 ms

Below is generated by plot.py at 2019-02-20 11:47:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 132.732 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 132.732 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

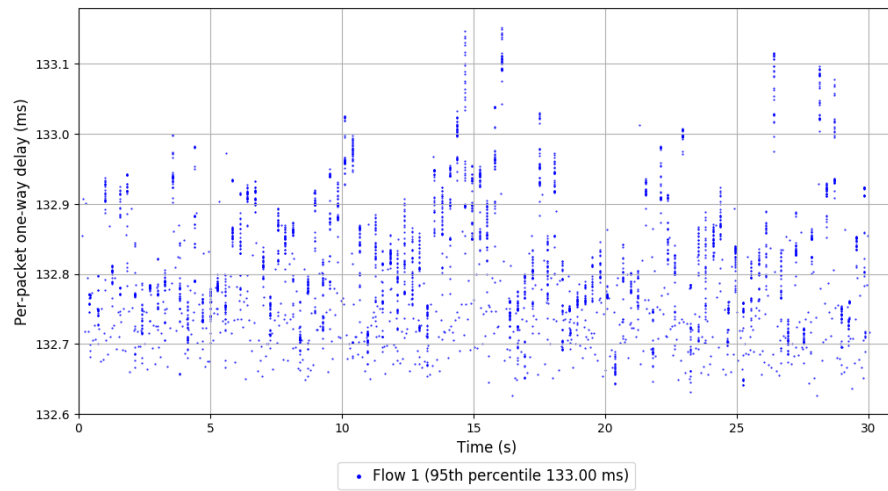
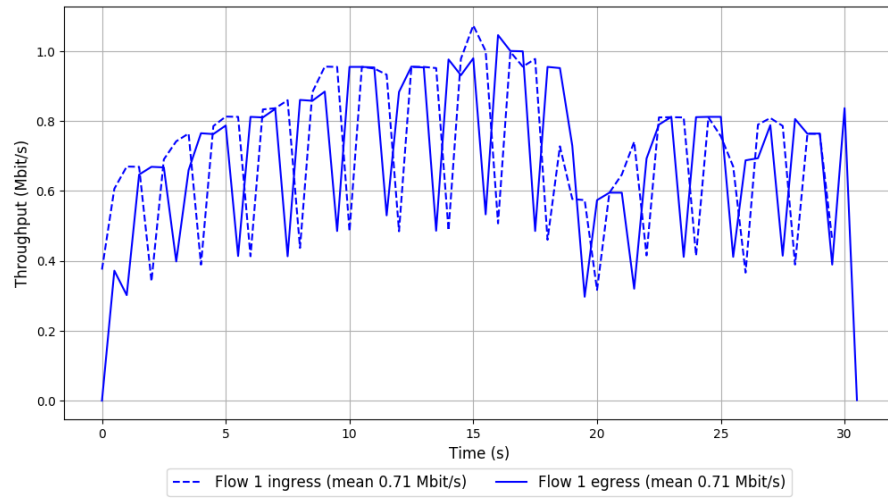


Run 4: Statistics of Sprout

Start at: 2019-02-20 08:43:04
End at: 2019-02-20 08:43:34
Local clock offset: 0.193 ms
Remote clock offset: -0.134 ms

Below is generated by plot.py at 2019-02-20 11:47:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: 132.998 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: 132.998 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-02-20 09:22:15

End at: 2019-02-20 09:22:45

Local clock offset: 0.124 ms

Remote clock offset: 0.313 ms

Below is generated by plot.py at 2019-02-20 11:47:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 133.421 ms

Loss rate: 0.00%

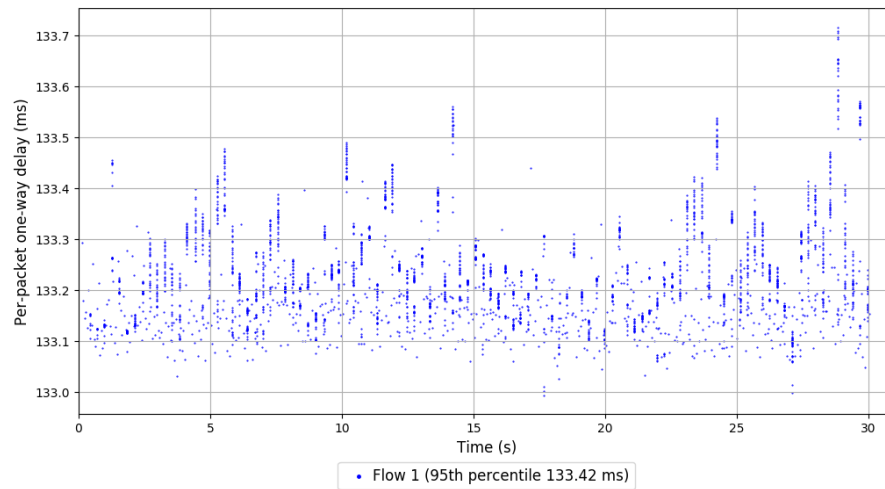
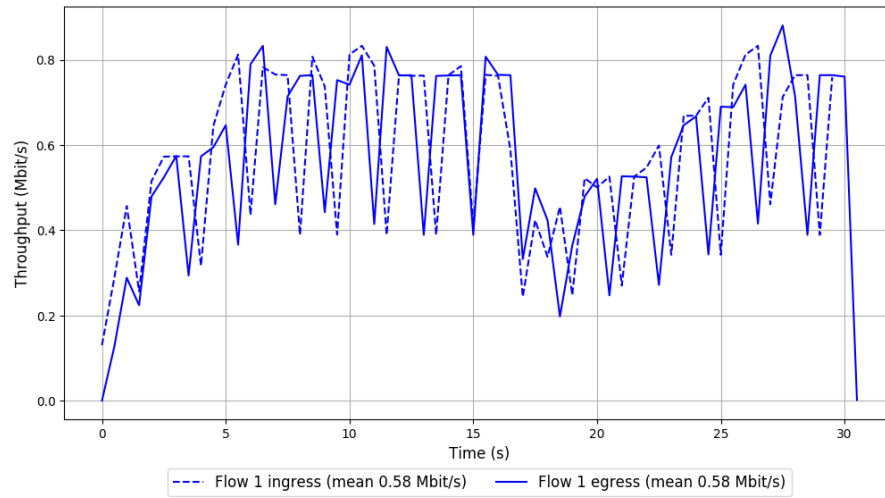
-- Flow 1:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 133.421 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-02-20 06:51:42

End at: 2019-02-20 06:52:12

Local clock offset: -0.094 ms

Remote clock offset: -0.041 ms

Below is generated by plot.py at 2019-02-20 11:47:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 191.07 Mbit/s

95th percentile per-packet one-way delay: 133.100 ms

Loss rate: 0.00%

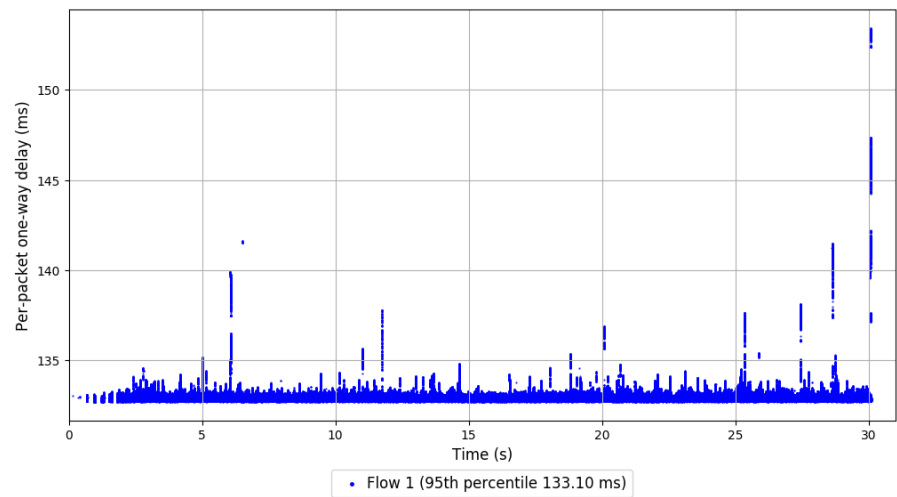
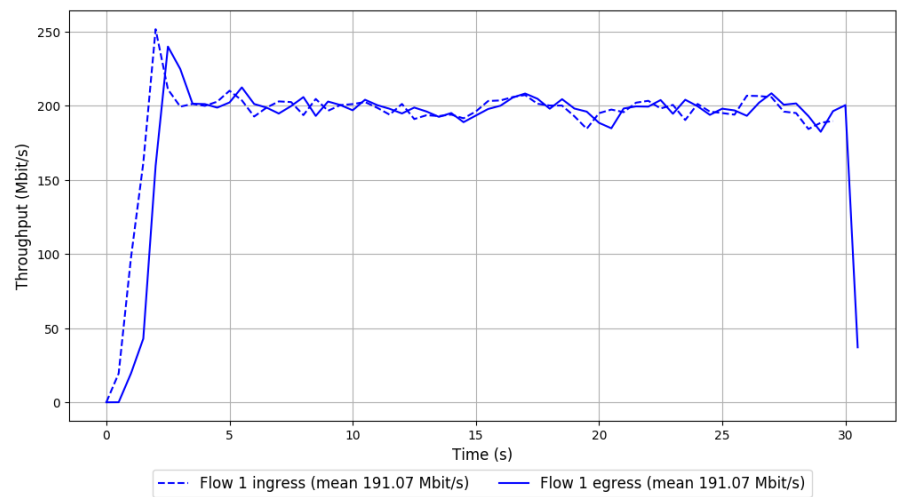
-- Flow 1:

Average throughput: 191.07 Mbit/s

95th percentile per-packet one-way delay: 133.100 ms

Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-02-20 07:33:22

End at: 2019-02-20 07:33:52

Local clock offset: 0.235 ms

Remote clock offset: -0.489 ms

Below is generated by plot.py at 2019-02-20 11:47:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.63 Mbit/s

95th percentile per-packet one-way delay: 132.036 ms

Loss rate: 0.00%

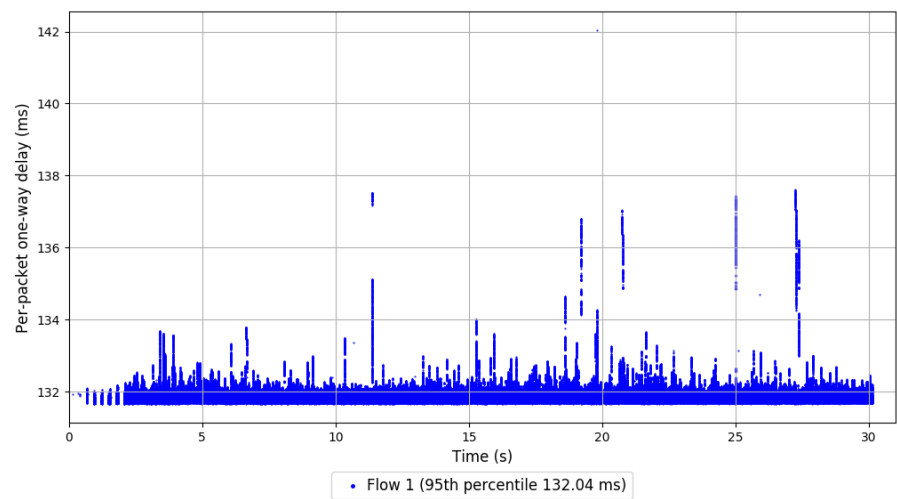
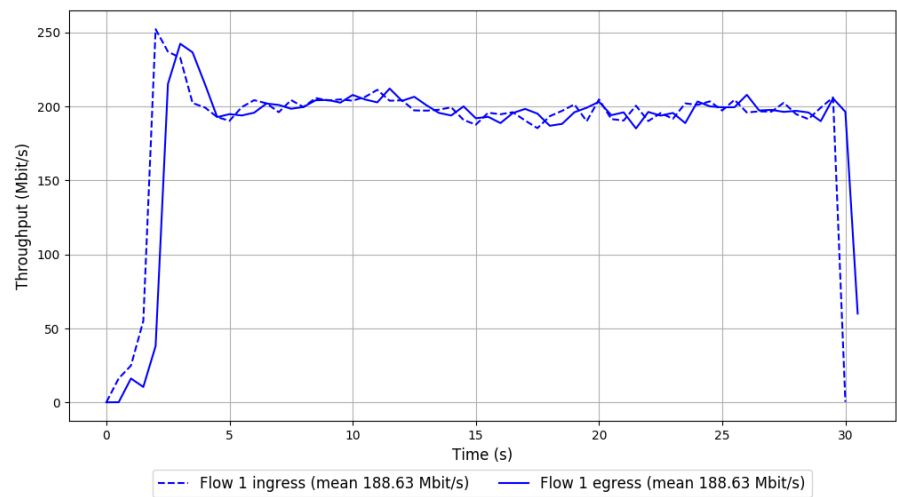
-- Flow 1:

Average throughput: 188.63 Mbit/s

95th percentile per-packet one-way delay: 132.036 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-02-20 08:14:06

End at: 2019-02-20 08:14:36

Local clock offset: 0.408 ms

Remote clock offset: -0.048 ms

Below is generated by plot.py at 2019-02-20 11:47:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 175.20 Mbit/s

95th percentile per-packet one-way delay: 132.850 ms

Loss rate: 0.00%

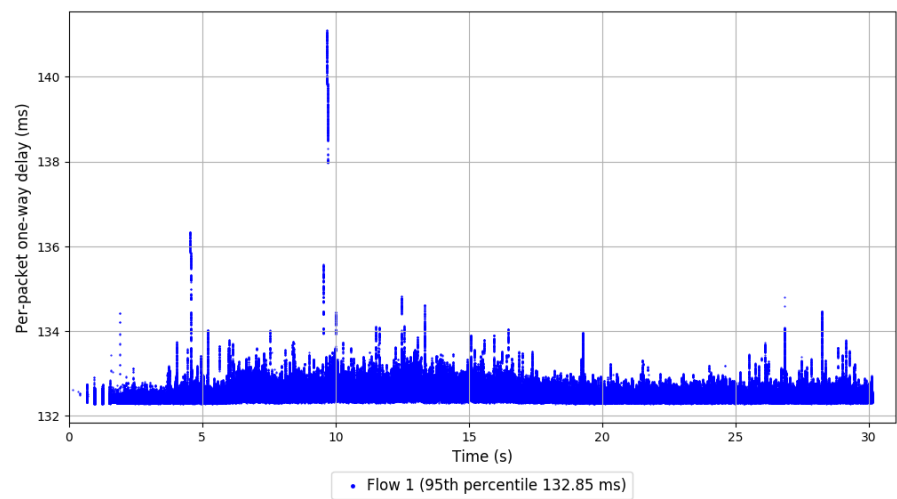
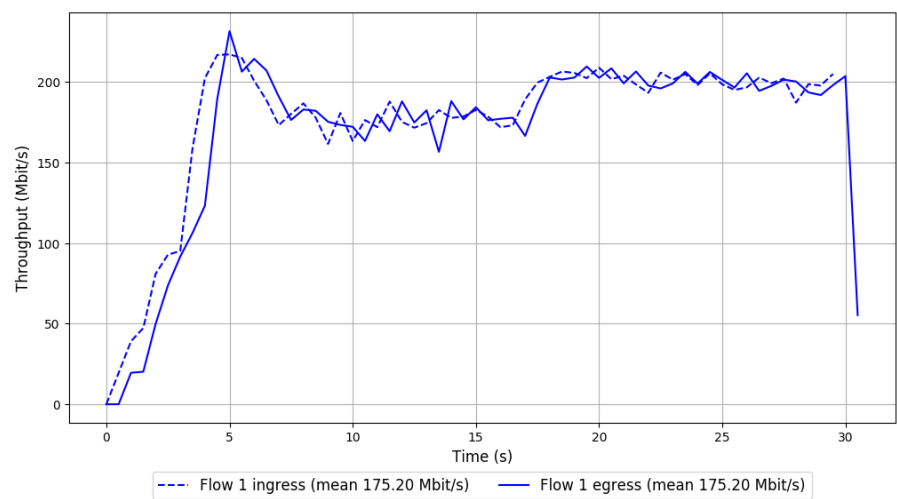
-- Flow 1:

Average throughput: 175.20 Mbit/s

95th percentile per-packet one-way delay: 132.850 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-02-20 08:54:15

End at: 2019-02-20 08:54:45

Local clock offset: -0.263 ms

Remote clock offset: 0.294 ms

Below is generated by plot.py at 2019-02-20 11:47:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 190.93 Mbit/s

95th percentile per-packet one-way delay: 133.768 ms

Loss rate: 0.00%

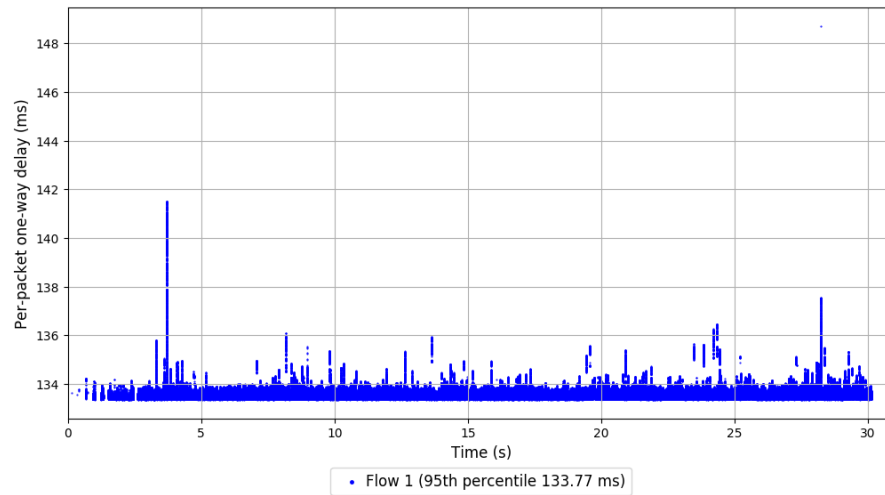
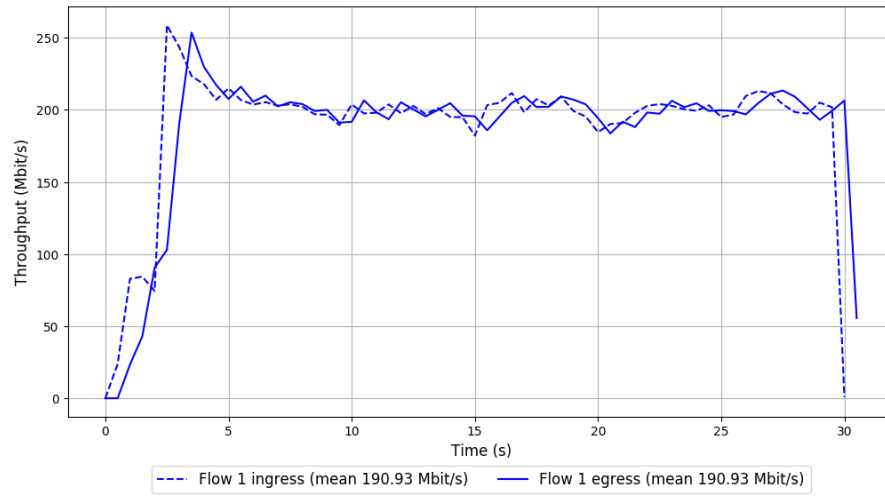
-- Flow 1:

Average throughput: 190.93 Mbit/s

95th percentile per-packet one-way delay: 133.768 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-02-20 09:34:33

End at: 2019-02-20 09:35:03

Local clock offset: -0.092 ms

Remote clock offset: -0.48 ms

Below is generated by plot.py at 2019-02-20 11:47:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.22 Mbit/s

95th percentile per-packet one-way delay: 132.585 ms

Loss rate: 0.00%

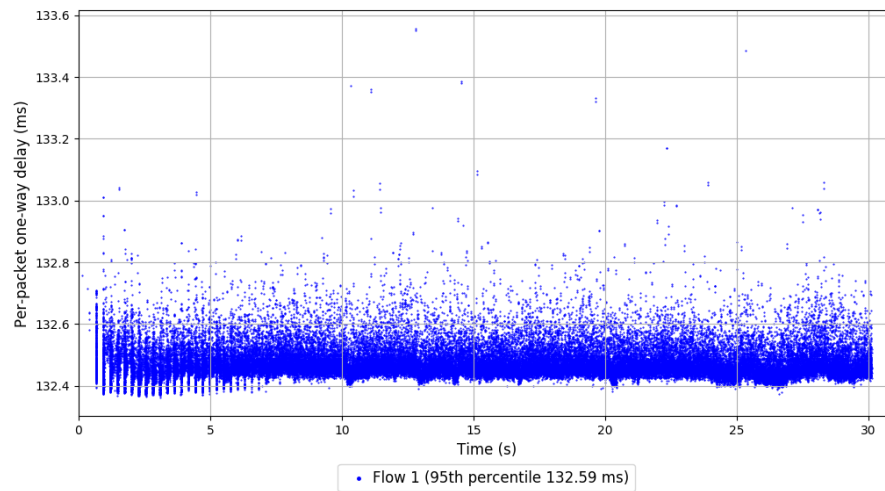
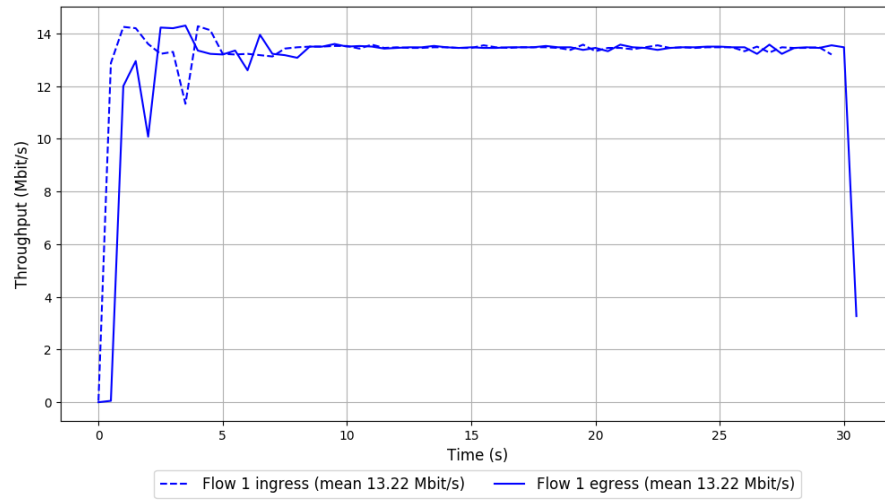
-- Flow 1:

Average throughput: 13.22 Mbit/s

95th percentile per-packet one-way delay: 132.585 ms

Loss rate: 0.00%

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

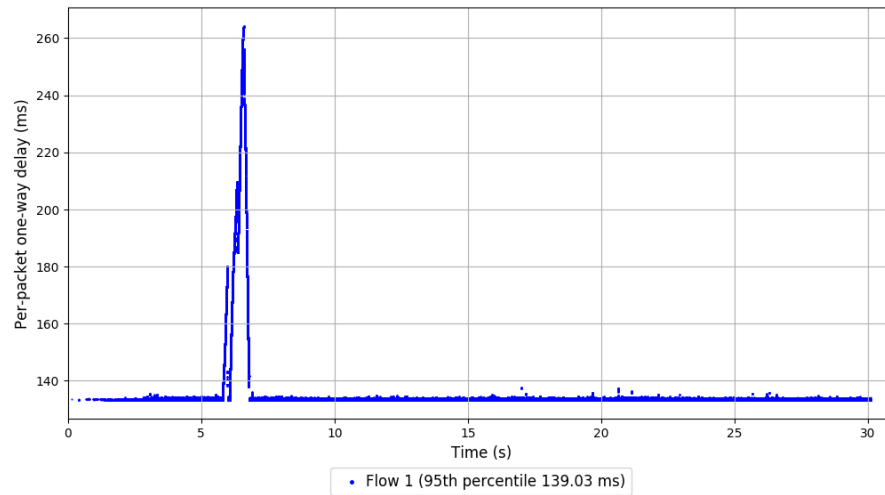
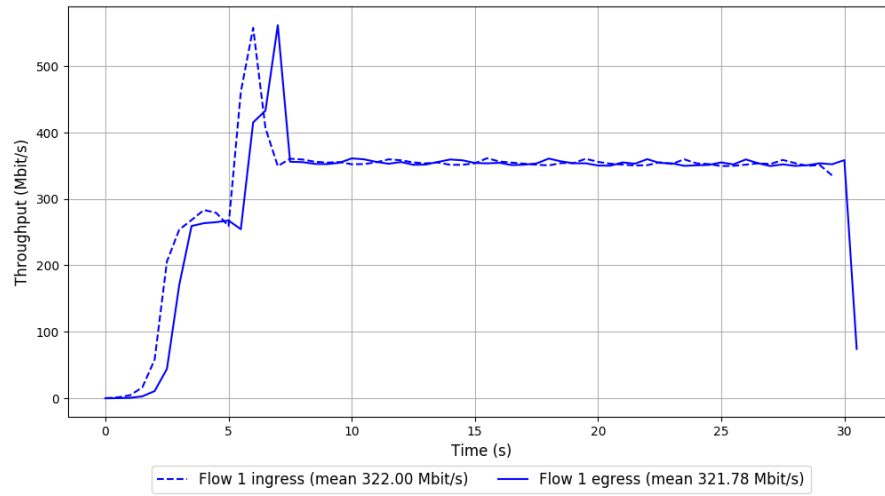


Run 1: Statistics of TCP Vegas

Start at: 2019-02-20 07:15:21
End at: 2019-02-20 07:15:51
Local clock offset: -0.102 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2019-02-20 11:47:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 321.78 Mbit/s
95th percentile per-packet one-way delay: 139.026 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 321.78 Mbit/s
95th percentile per-packet one-way delay: 139.026 ms
Loss rate: 0.07%

Run 1: Report of TCP Vegas — Data Link

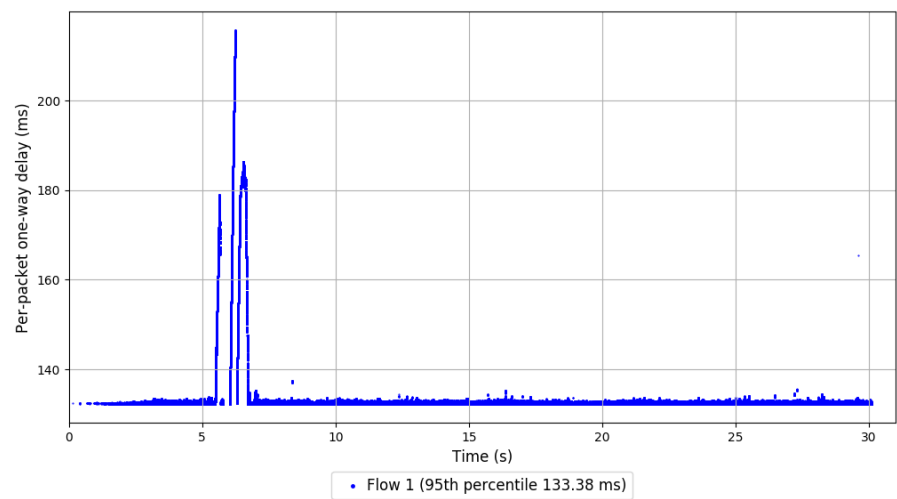
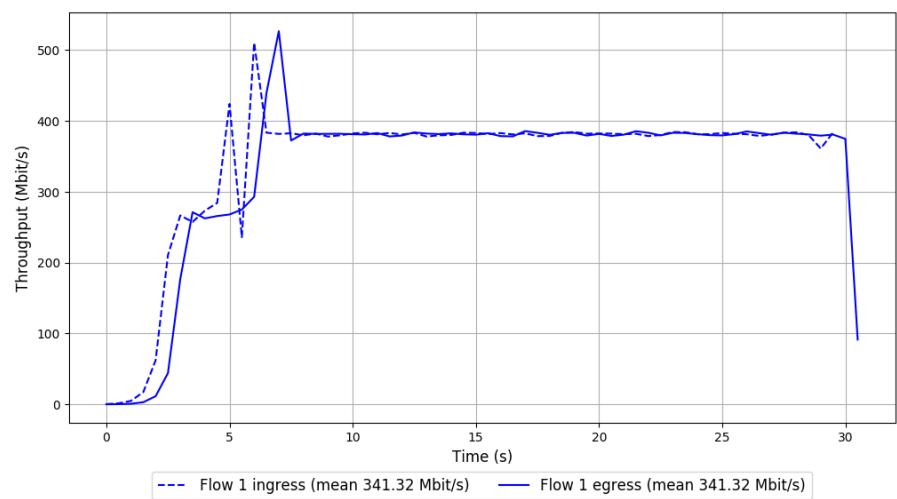


Run 2: Statistics of TCP Vegas

Start at: 2019-02-20 07:57:27
End at: 2019-02-20 07:57:57
Local clock offset: -0.22 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2019-02-20 11:47:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 341.32 Mbit/s
95th percentile per-packet one-way delay: 133.377 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 341.32 Mbit/s
95th percentile per-packet one-way delay: 133.377 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

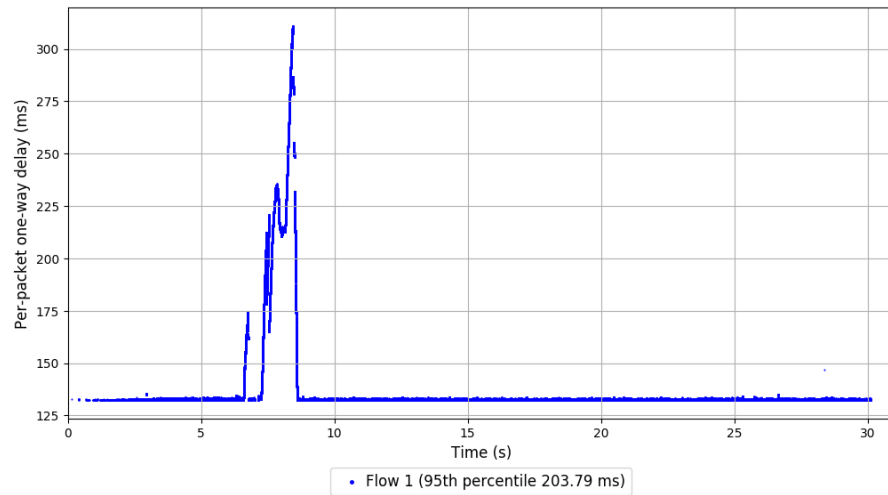
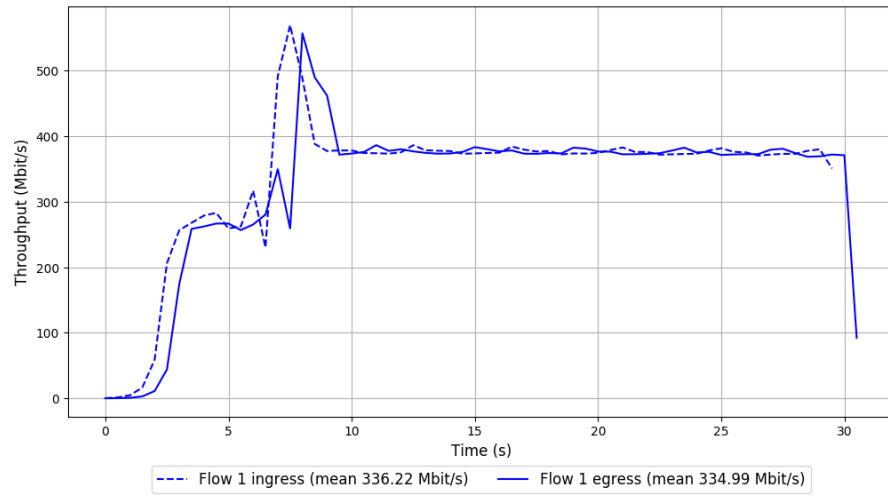


Run 3: Statistics of TCP Vegas

Start at: 2019-02-20 08:37:59
End at: 2019-02-20 08:38:29
Local clock offset: 0.431 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2019-02-20 11:47:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 334.99 Mbit/s
95th percentile per-packet one-way delay: 203.788 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 334.99 Mbit/s
95th percentile per-packet one-way delay: 203.788 ms
Loss rate: 0.37%

Run 3: Report of TCP Vegas — Data Link

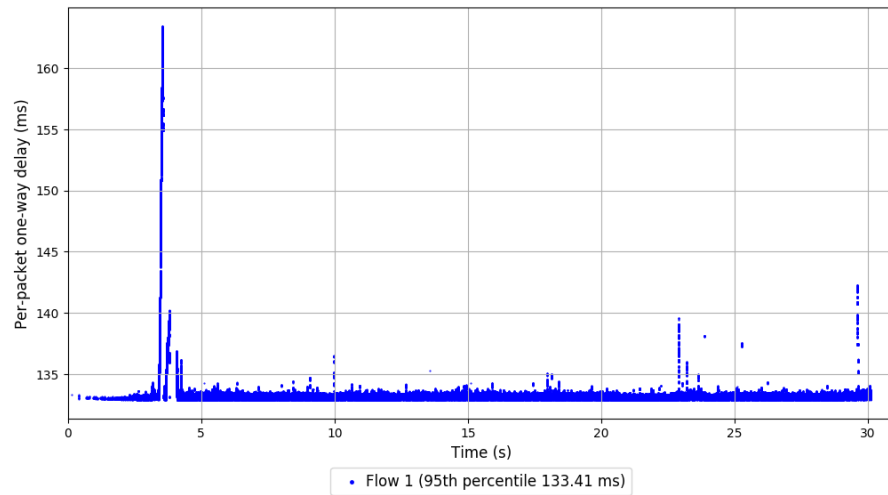
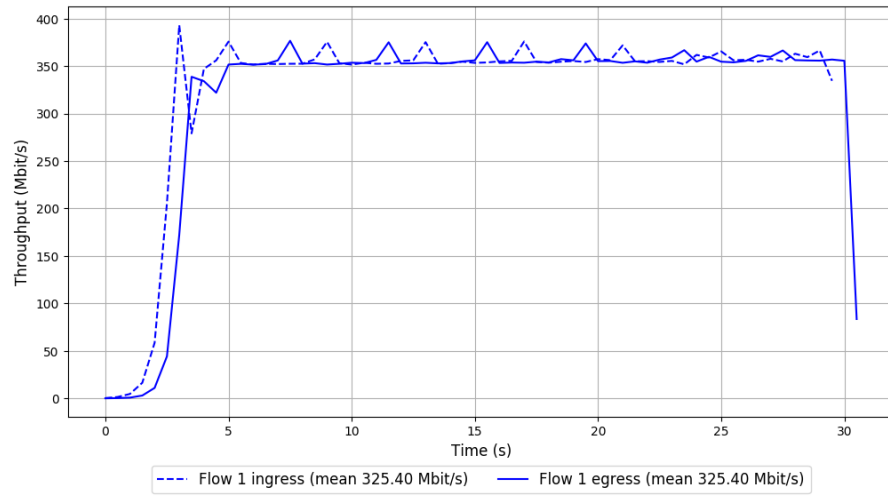


Run 4: Statistics of TCP Vegas

Start at: 2019-02-20 09:17:17
End at: 2019-02-20 09:17:47
Local clock offset: 0.127 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2019-02-20 11:52:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 325.40 Mbit/s
95th percentile per-packet one-way delay: 133.412 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 325.40 Mbit/s
95th percentile per-packet one-way delay: 133.412 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

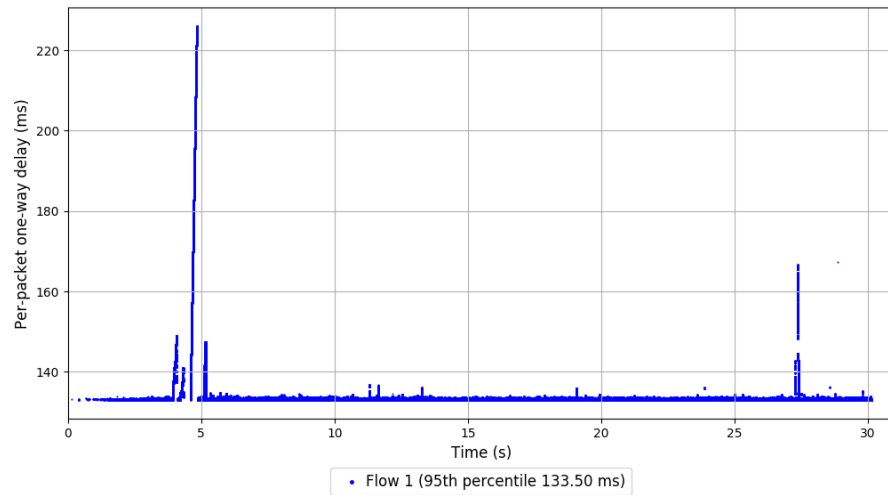
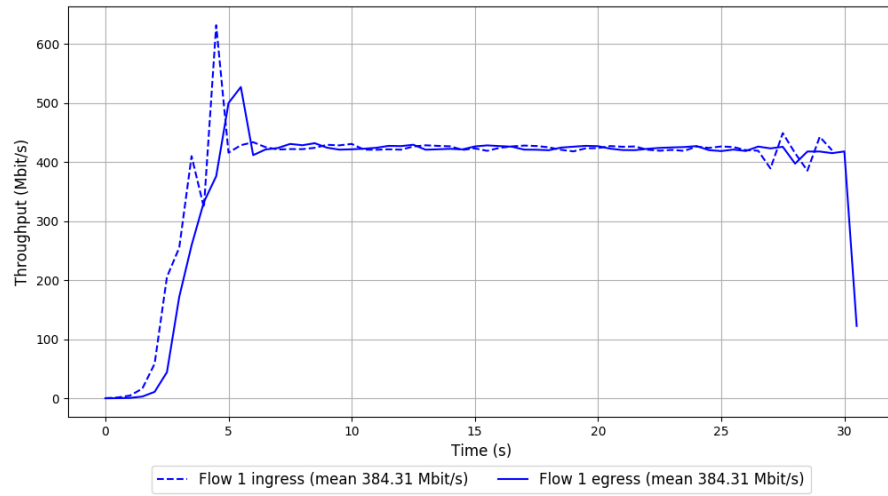


Run 5: Statistics of TCP Vegas

Start at: 2019-02-20 09:56:14
End at: 2019-02-20 09:56:44
Local clock offset: -0.158 ms
Remote clock offset: -0.136 ms

Below is generated by plot.py at 2019-02-20 11:53:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 384.31 Mbit/s
95th percentile per-packet one-way delay: 133.499 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 384.31 Mbit/s
95th percentile per-packet one-way delay: 133.499 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

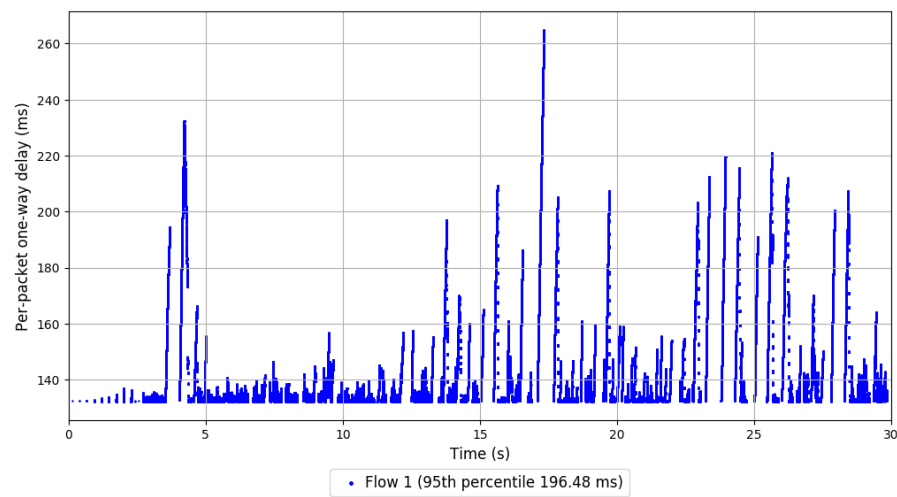
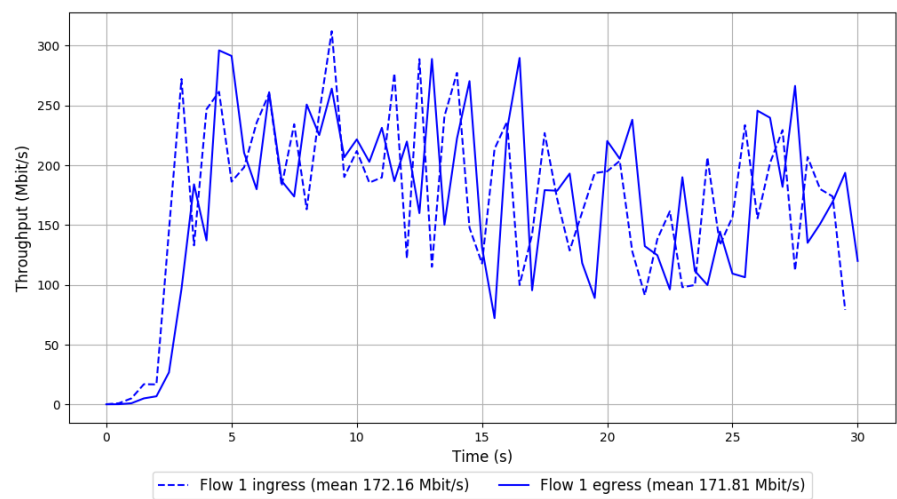


Run 1: Statistics of Verus

Start at: 2019-02-20 07:11:02
End at: 2019-02-20 07:11:32
Local clock offset: 0.202 ms
Remote clock offset: -0.394 ms

Below is generated by plot.py at 2019-02-20 11:53:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 171.81 Mbit/s
95th percentile per-packet one-way delay: 196.476 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 171.81 Mbit/s
95th percentile per-packet one-way delay: 196.476 ms
Loss rate: 0.21%

Run 1: Report of Verus — Data Link

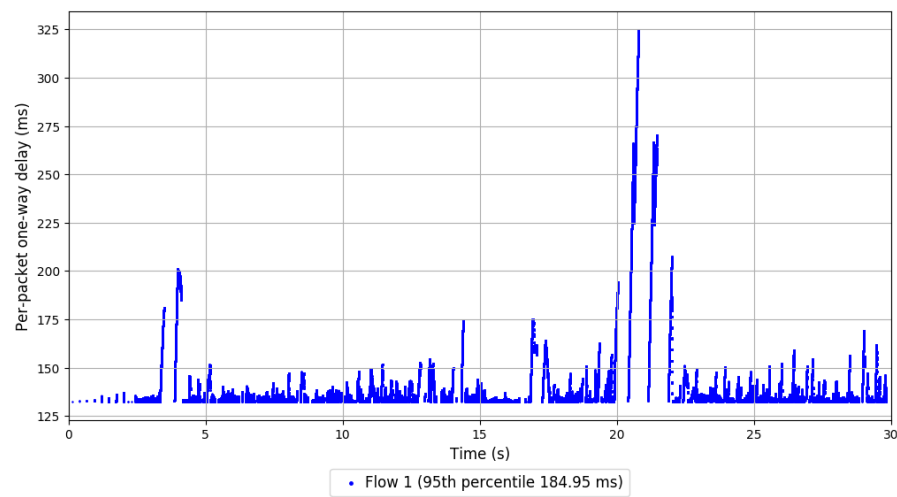
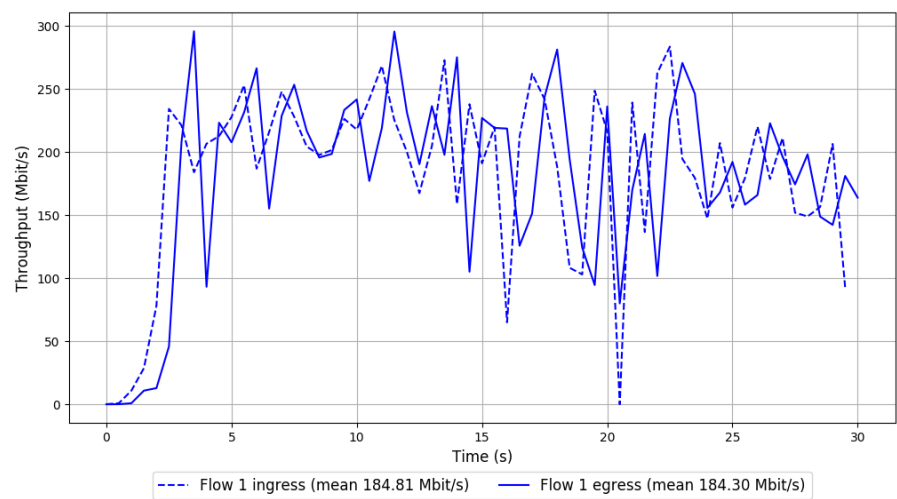


Run 2: Statistics of Verus

Start at: 2019-02-20 07:52:55
End at: 2019-02-20 07:53:25
Local clock offset: -0.452 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2019-02-20 11:53:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 184.30 Mbit/s
95th percentile per-packet one-way delay: 184.948 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 184.30 Mbit/s
95th percentile per-packet one-way delay: 184.948 ms
Loss rate: 0.28%

Run 2: Report of Verus — Data Link

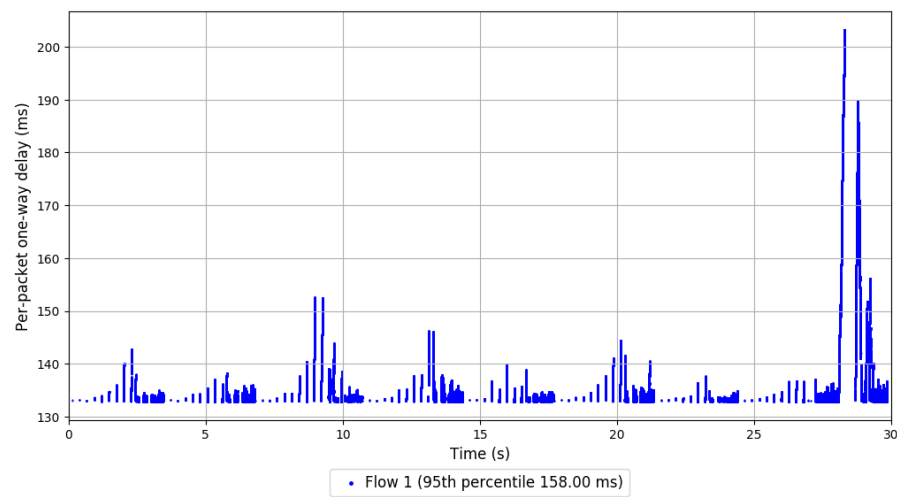
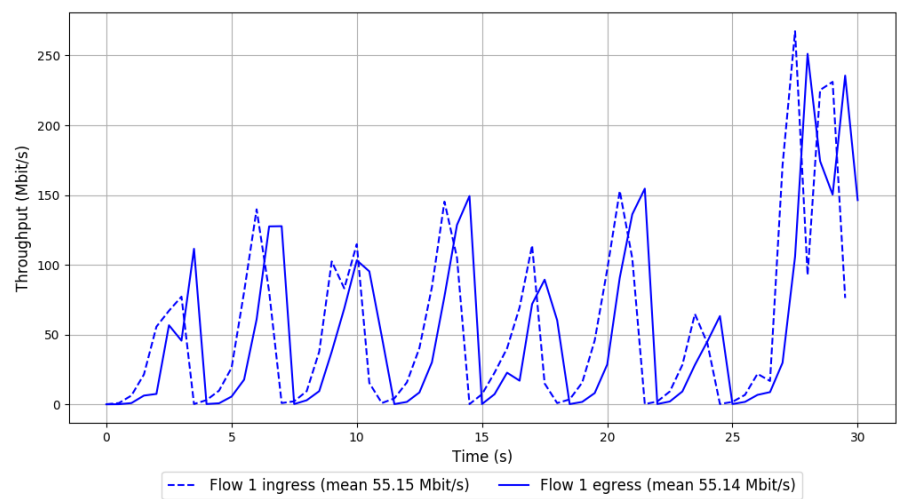


Run 3: Statistics of Verus

Start at: 2019-02-20 08:34:12
End at: 2019-02-20 08:34:42
Local clock offset: 0.222 ms
Remote clock offset: -0.144 ms

Below is generated by plot.py at 2019-02-20 11:53:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.14 Mbit/s
95th percentile per-packet one-way delay: 158.005 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 55.14 Mbit/s
95th percentile per-packet one-way delay: 158.005 ms
Loss rate: 0.01%

Run 3: Report of Verus — Data Link

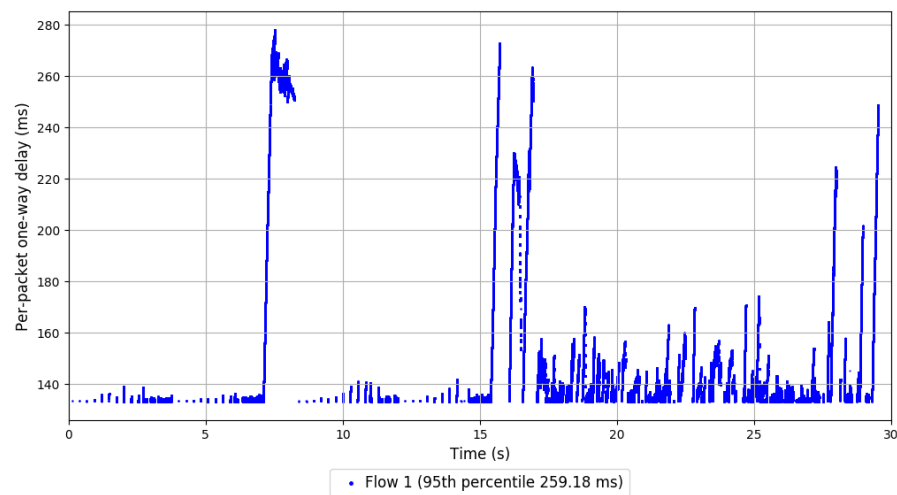
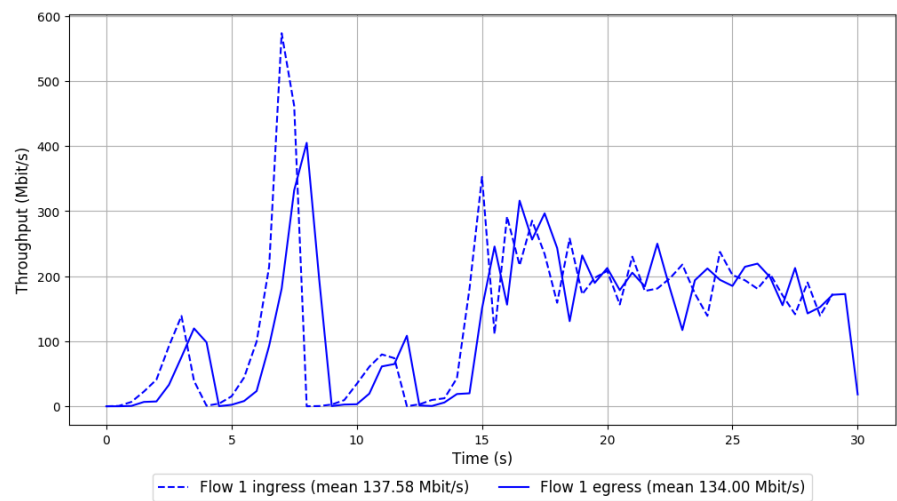


Run 4: Statistics of Verus

Start at: 2019-02-20 09:13:41
End at: 2019-02-20 09:14:11
Local clock offset: -0.232 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2019-02-20 11:53:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 134.00 Mbit/s
95th percentile per-packet one-way delay: 259.182 ms
Loss rate: 2.22%
-- Flow 1:
Average throughput: 134.00 Mbit/s
95th percentile per-packet one-way delay: 259.182 ms
Loss rate: 2.22%

Run 4: Report of Verus — Data Link

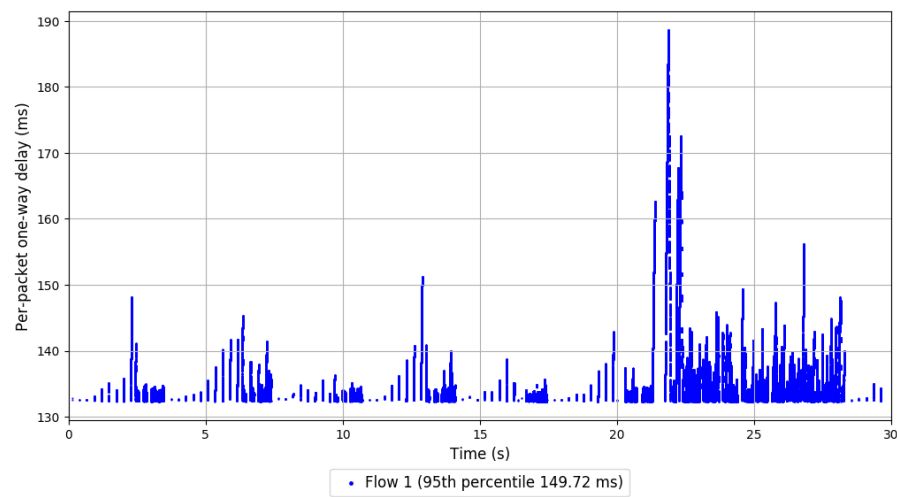
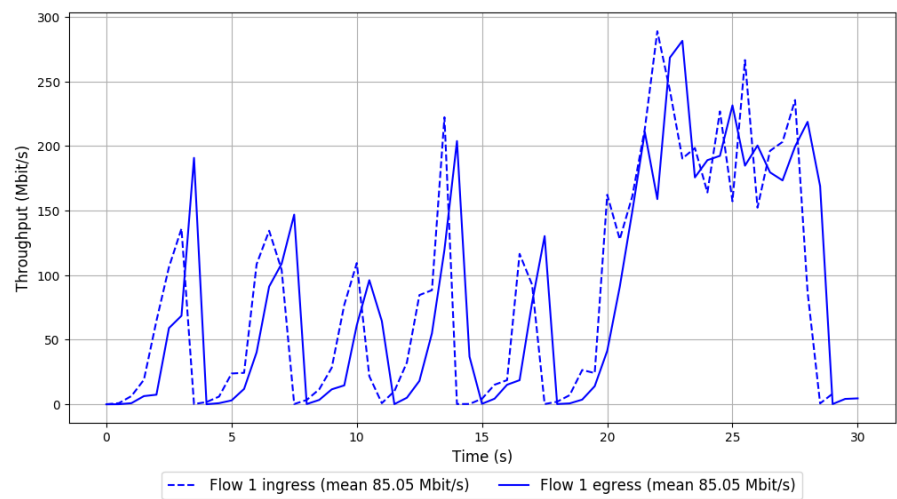


Run 5: Statistics of Verus

Start at: 2019-02-20 09:52:39
End at: 2019-02-20 09:53:09
Local clock offset: 0.312 ms
Remote clock offset: -0.157 ms

Below is generated by plot.py at 2019-02-20 11:53:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.05 Mbit/s
95th percentile per-packet one-way delay: 149.723 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.05 Mbit/s
95th percentile per-packet one-way delay: 149.723 ms
Loss rate: 0.00%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-02-20 07:18:24

End at: 2019-02-20 07:18:54

Local clock offset: 0.257 ms

Remote clock offset: -0.124 ms

Below is generated by plot.py at 2019-02-20 11:54:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 367.42 Mbit/s

95th percentile per-packet one-way delay: 133.325 ms

Loss rate: 0.00%

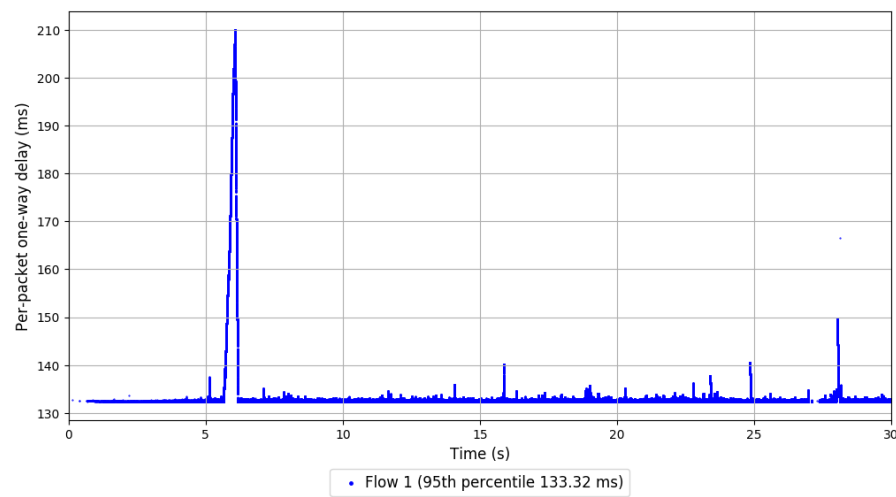
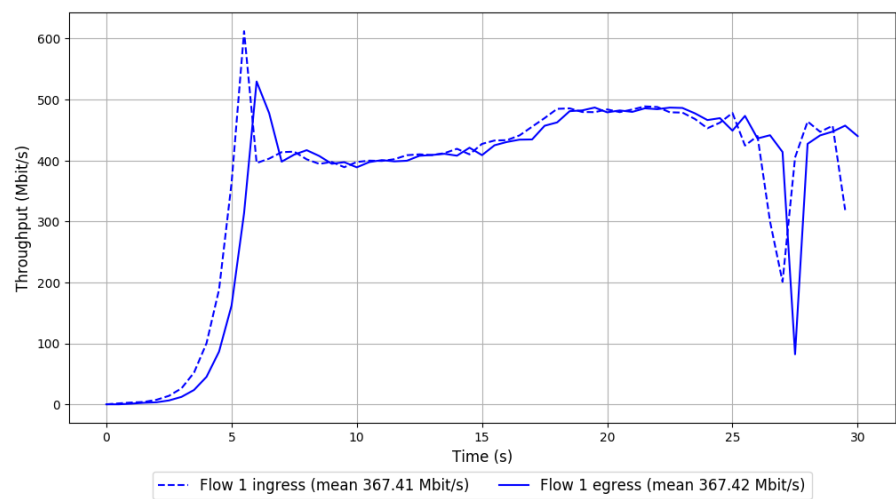
-- Flow 1:

Average throughput: 367.42 Mbit/s

95th percentile per-packet one-way delay: 133.325 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

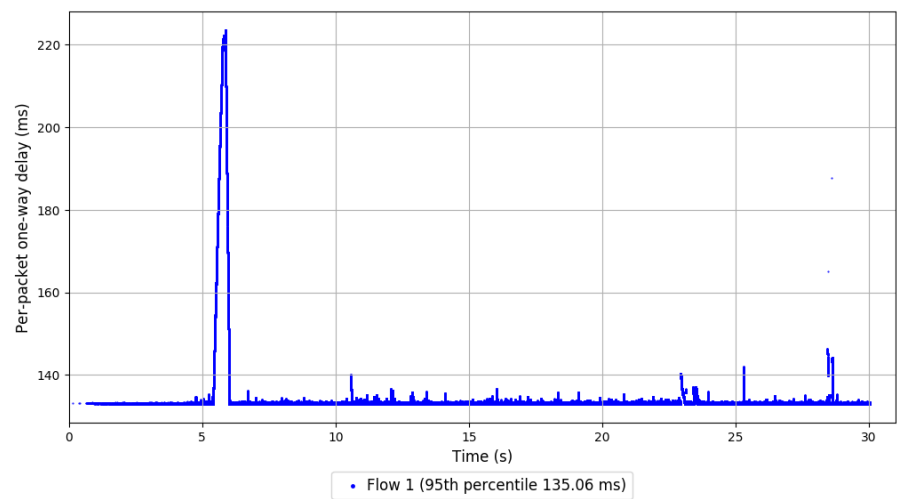
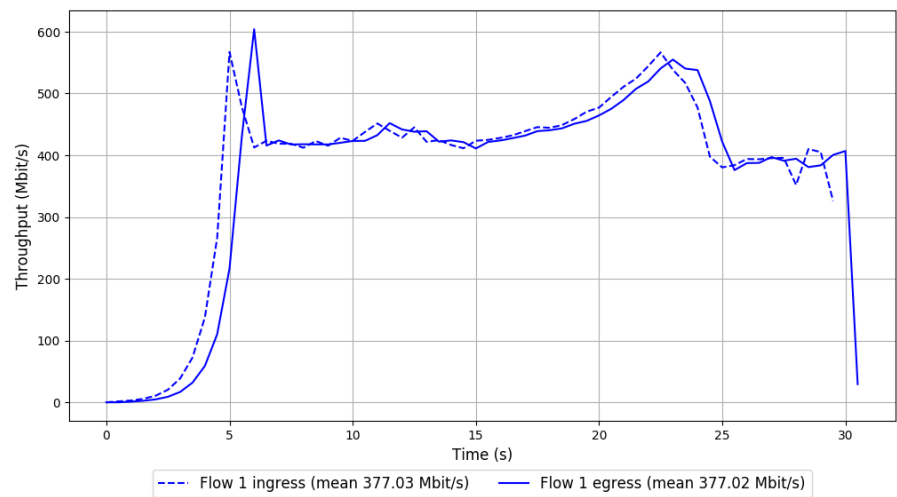


Run 2: Statistics of PCC-Vivace

Start at: 2019-02-20 08:00:18
End at: 2019-02-20 08:00:48
Local clock offset: -0.187 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2019-02-20 11:55:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 377.02 Mbit/s
95th percentile per-packet one-way delay: 135.056 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 377.02 Mbit/s
95th percentile per-packet one-way delay: 135.056 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-02-20 08:41:00

End at: 2019-02-20 08:41:30

Local clock offset: 0.015 ms

Remote clock offset: 0.196 ms

Below is generated by plot.py at 2019-02-20 11:55:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 346.39 Mbit/s

95th percentile per-packet one-way delay: 134.797 ms

Loss rate: 0.03%

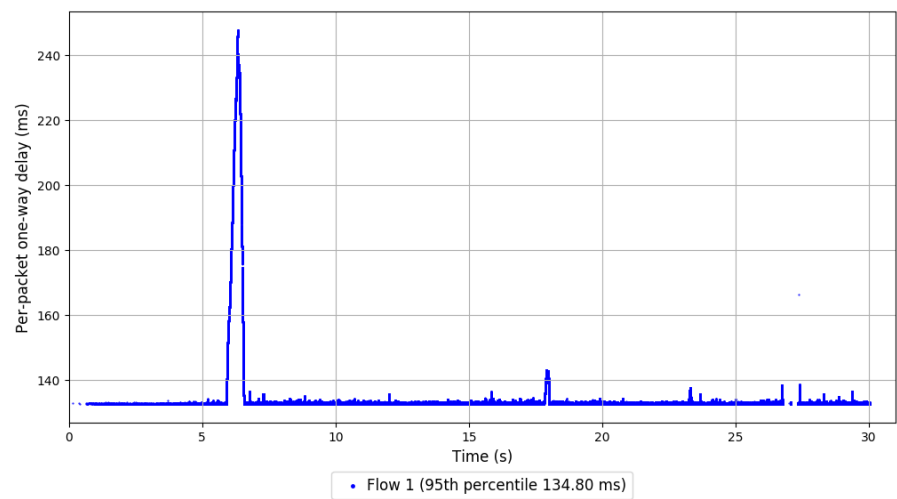
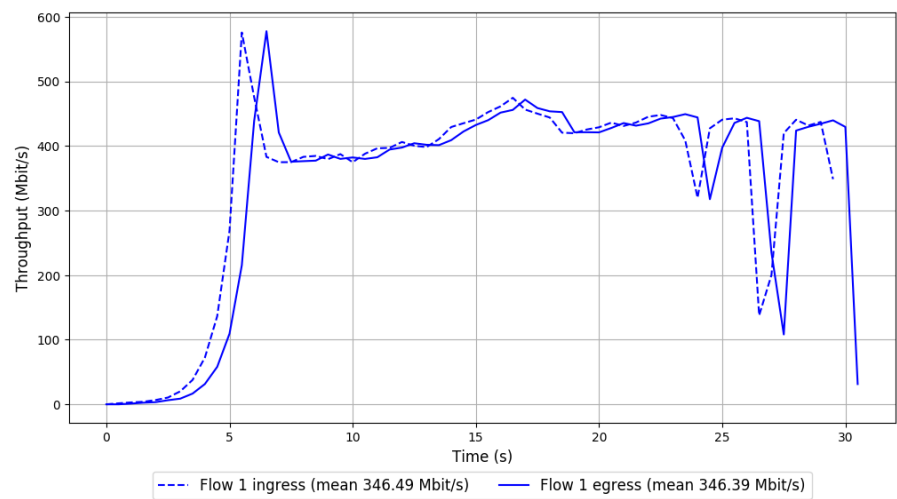
-- Flow 1:

Average throughput: 346.39 Mbit/s

95th percentile per-packet one-way delay: 134.797 ms

Loss rate: 0.03%

Run 3: Report of PCC-Vivace — Data Link

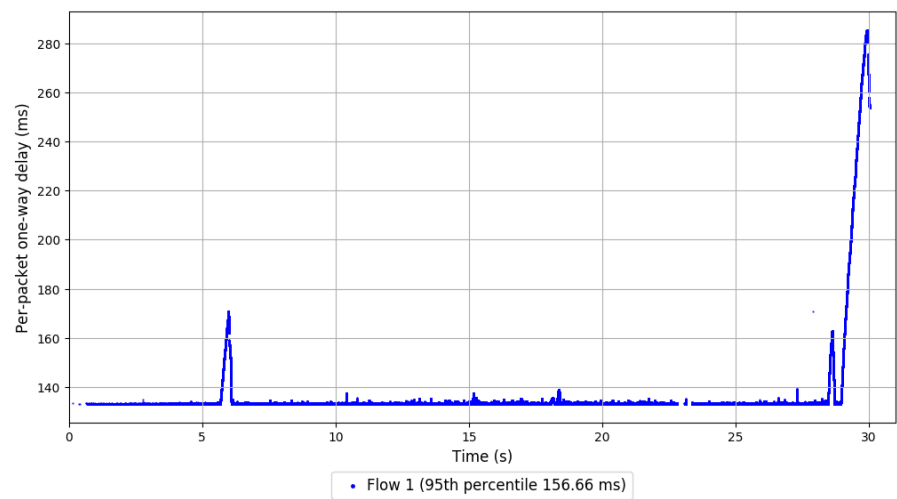
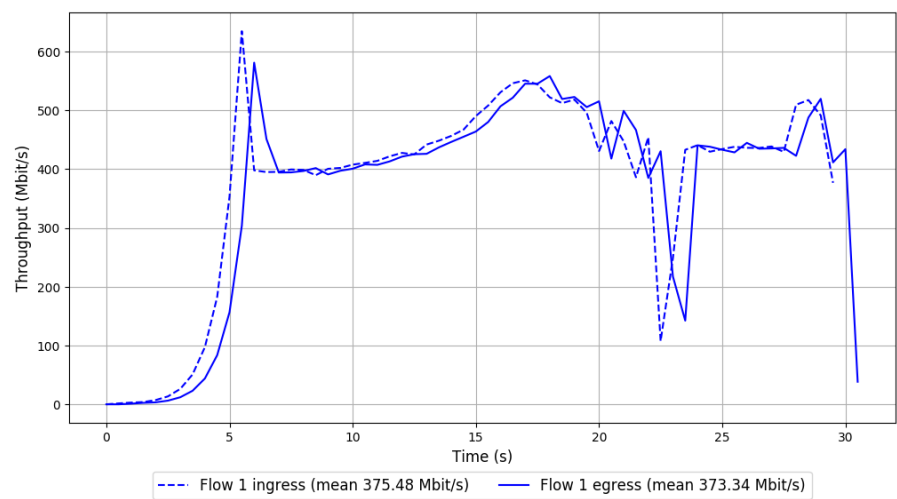


Run 4: Statistics of PCC-Vivace

Start at: 2019-02-20 09:20:20
End at: 2019-02-20 09:20:50
Local clock offset: -0.057 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2019-02-20 11:55:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 373.34 Mbit/s
95th percentile per-packet one-way delay: 156.663 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 373.34 Mbit/s
95th percentile per-packet one-way delay: 156.663 ms
Loss rate: 0.57%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-02-20 09:59:23

End at: 2019-02-20 09:59:53

Local clock offset: -0.08 ms

Remote clock offset: -0.089 ms

Below is generated by plot.py at 2019-02-20 11:55:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 376.66 Mbit/s

95th percentile per-packet one-way delay: 134.025 ms

Loss rate: 0.00%

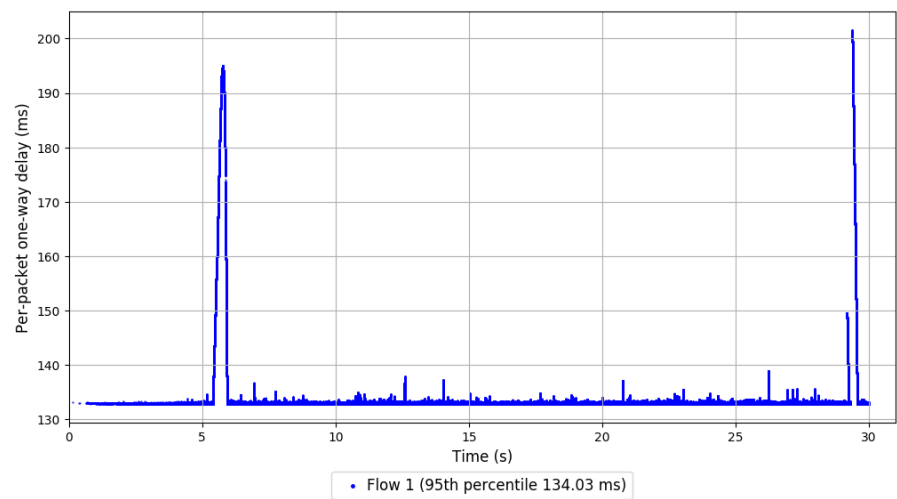
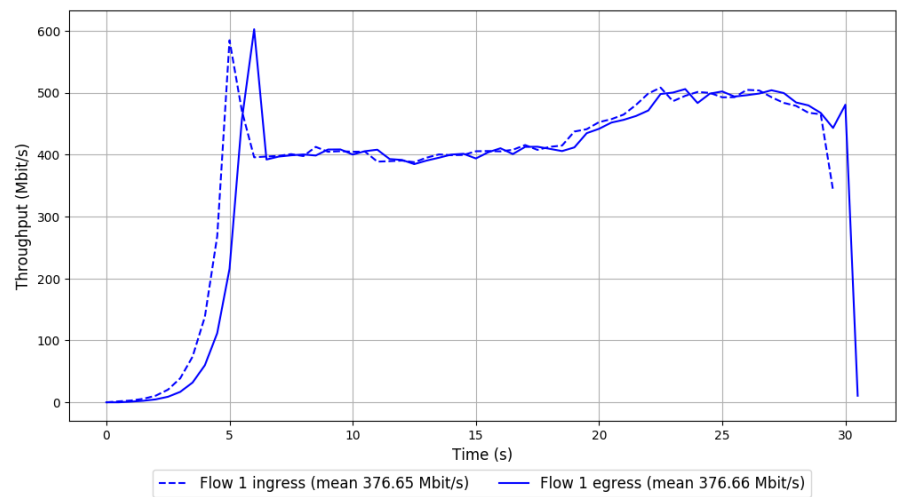
-- Flow 1:

Average throughput: 376.66 Mbit/s

95th percentile per-packet one-way delay: 134.025 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

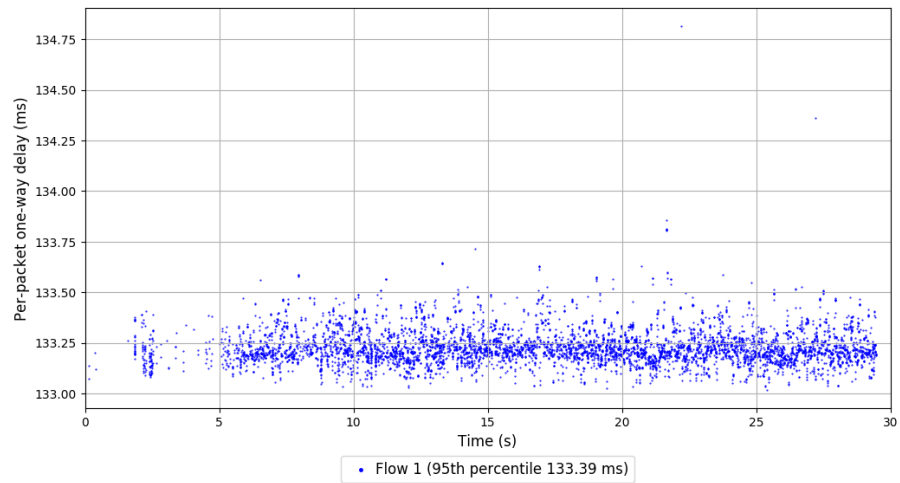
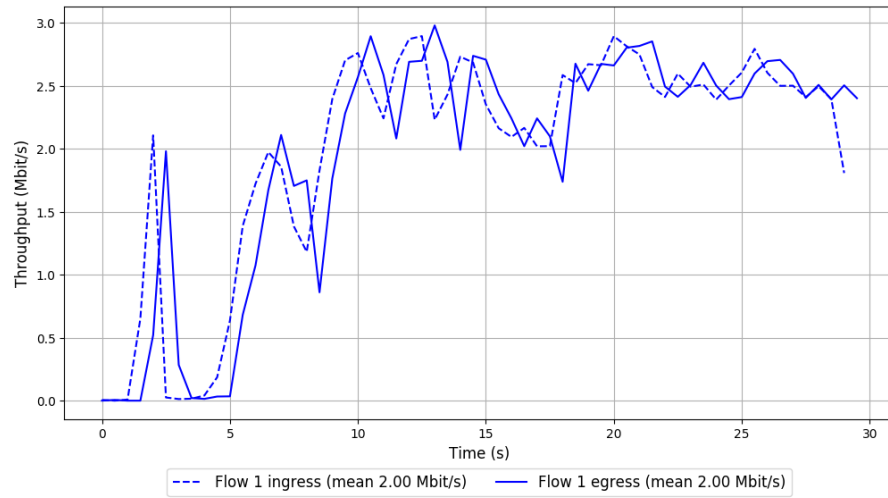



```
Run 1: Statistics of WebRTC media

Start at: 2019-02-20 07:03:16
End at: 2019-02-20 07:03:46
Local clock offset: -0.249 ms
Remote clock offset: 0.033 ms

# Below is generated by plot.py at 2019-02-20 11:55:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 133.388 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 133.388 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

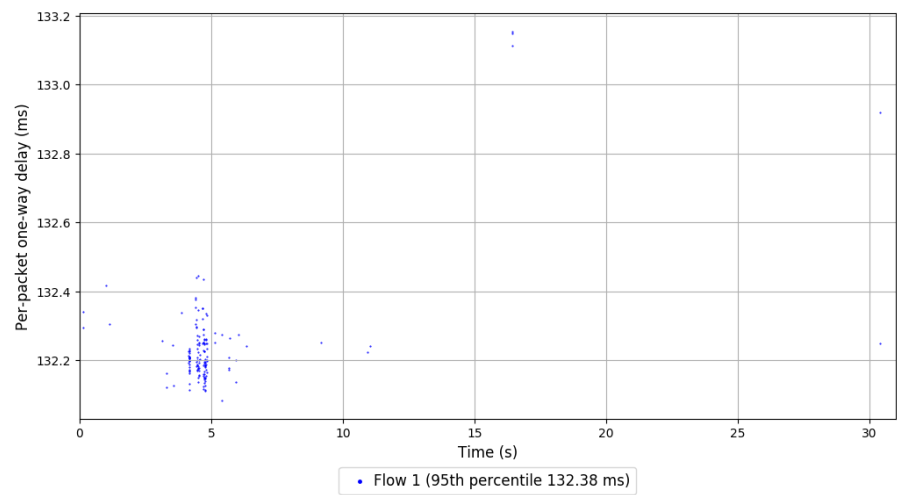
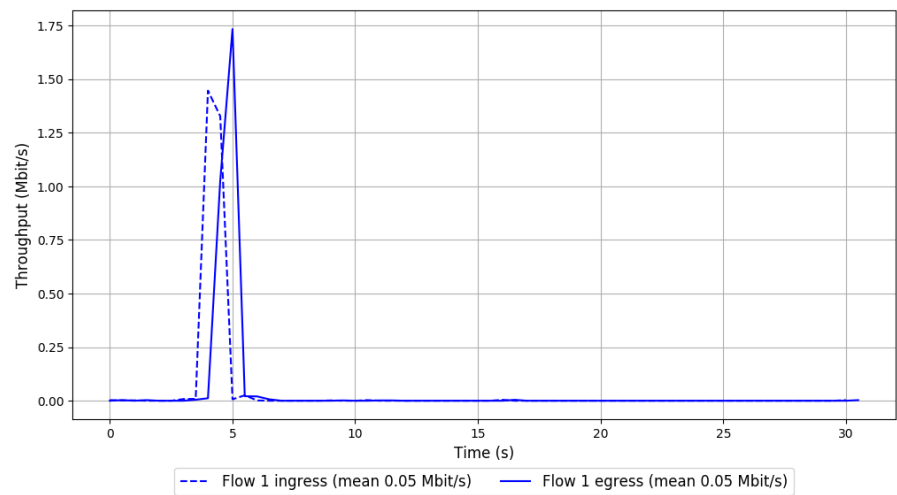


Run 2: Statistics of WebRTC media

Start at: 2019-02-20 07:44:52
End at: 2019-02-20 07:45:22
Local clock offset: -0.032 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2019-02-20 11:55:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 132.383 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 132.383 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

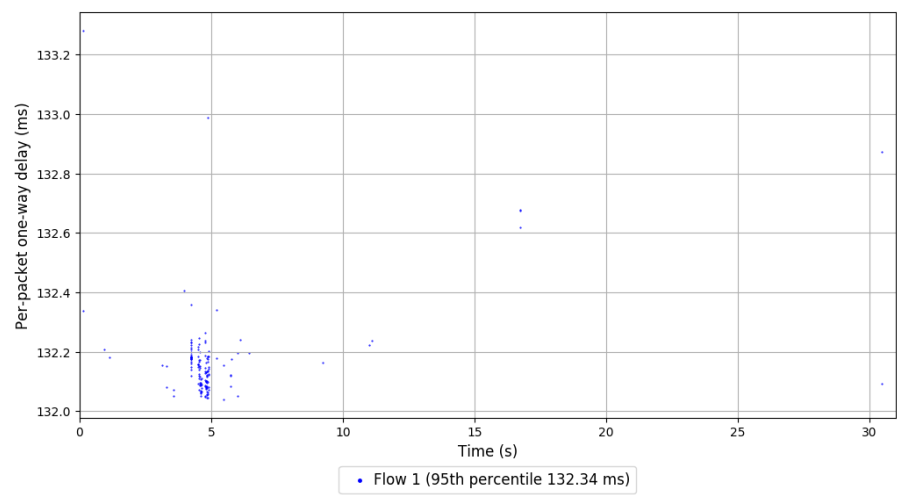
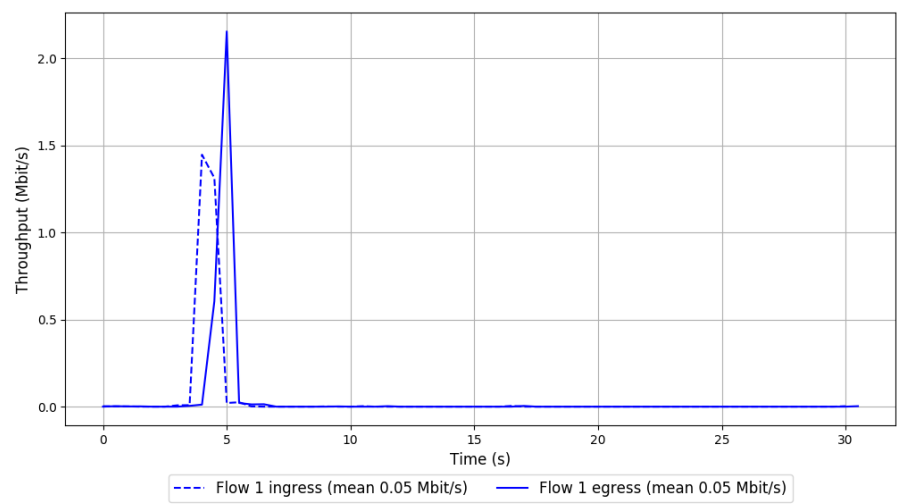


Run 3: Statistics of WebRTC media

Start at: 2019-02-20 08:26:15
End at: 2019-02-20 08:26:45
Local clock offset: -0.011 ms
Remote clock offset: -0.143 ms

Below is generated by plot.py at 2019-02-20 11:55:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 132.342 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 132.342 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

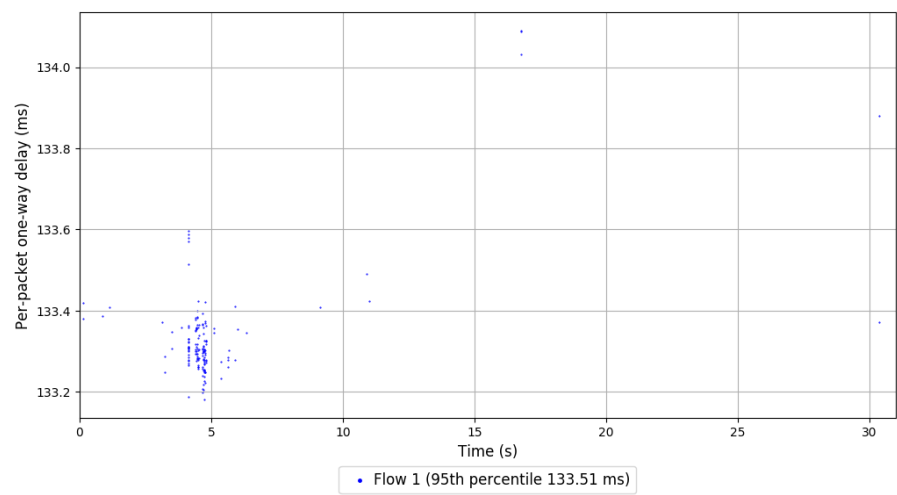
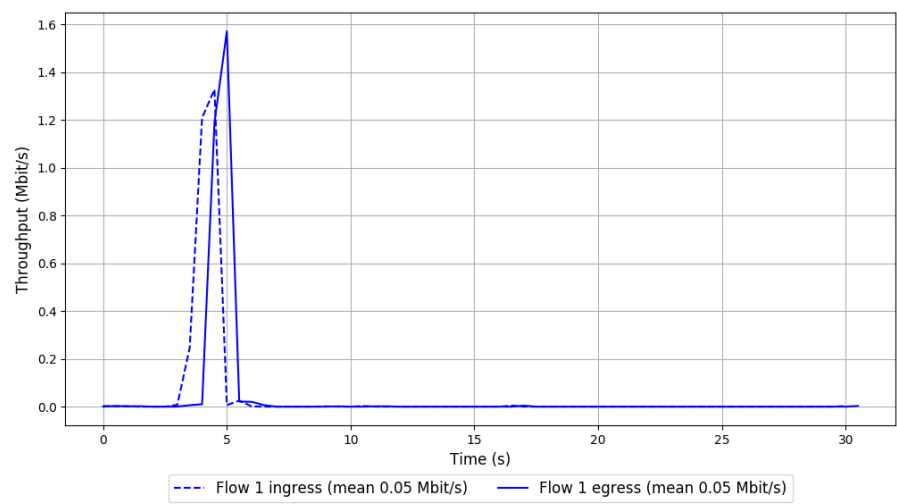


Run 4: Statistics of WebRTC media

Start at: 2019-02-20 09:05:35
End at: 2019-02-20 09:06:05
Local clock offset: -0.445 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2019-02-20 11:55:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 133.514 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 133.514 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-02-20 09:45:01
End at: 2019-02-20 09:45:31
Local clock offset: 0.227 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2019-02-20 11:55:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 132.812 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 132.812 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

