

Pantheon Report

Generated at 2019-05-30 08:38:11 (UTC).

Data path: Saudi Arabia on `enp2s0` (*remote*) → AWS India 2 on `ens5` (*local*).

Repeated the test of 21 congestion control schemes 5 times.

Each test lasted for 30 seconds running 1 flow.

NTP offsets were measured against `nets.org.sg` and have been applied to correct the timestamps in logs.

System info:

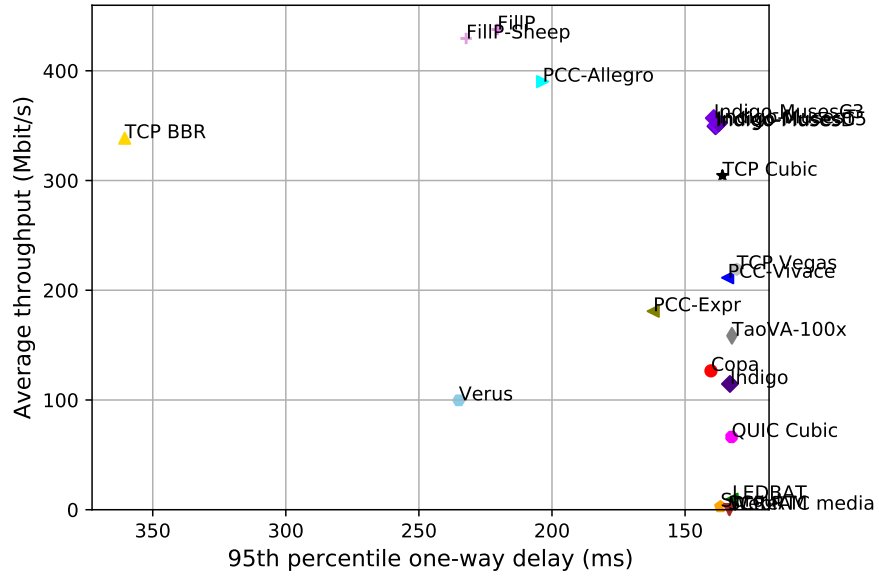
```
Linux 4.15.0-1035-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

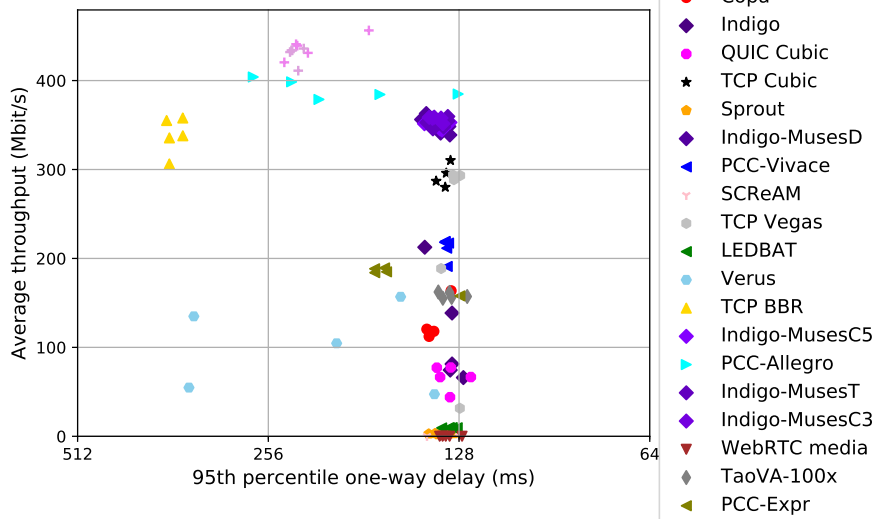
```
branch: muses @ 7a686f7c2ed0a333082c0bab1fa5c921ab47e6ee
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
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 Saudi Arabia to AWS India 2, 5 runs of 30s each per scheme
(mean of all runs by scheme)



test from Saudi Arabia to AWS India 2, 5 runs of 30s each per scheme



scheme	# runs	mean avg tput (Mbit/s)	mean 95th-%ile delay (ms)	mean loss rate (%)
		flow 1	flow 1	flow 1
TCP BBR	5	338.56	360.53	2.39
Copa	5	126.56	140.27	0.67
TCP Cubic	5	304.40	135.96	0.72
FillP	5	437.62	220.54	0.88
FillP-Sheep	5	429.43	232.26	1.64
Indigo	5	114.61	133.15	0.68
Indigo-MusesC3	5	356.89	139.22	0.71
Indigo-MusesC5	5	350.37	138.21	0.76
Indigo-MusesD	5	349.45	138.58	0.74
Indigo-MusesT	5	352.13	137.33	0.71
LEDBAT	5	9.58	132.36	1.27
PCC-Allegro	5	390.11	203.51	0.89
PCC-Expr	5	180.90	161.98	0.76
QUIC Cubic	5	66.34	132.53	0.85
SReAM	5	0.22	133.83	0.64
Sprout	5	2.78	136.70	0.83
TaoVA-100x	5	158.52	132.40	0.67
TCP Vegas	5	219.16	130.59	0.57
Verus	5	99.69	235.02	0.46
PCC-Vivace	5	211.42	134.01	0.70
WebRTC media	5	0.05	133.33	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-05-30 05:39:35
End at: 2019-05-30 05:40:05
Local clock offset: -2.811 ms
Remote clock offset: -43.18 ms

Below is generated by plot.py at 2019-05-30 08:05:46

Datalink statistics

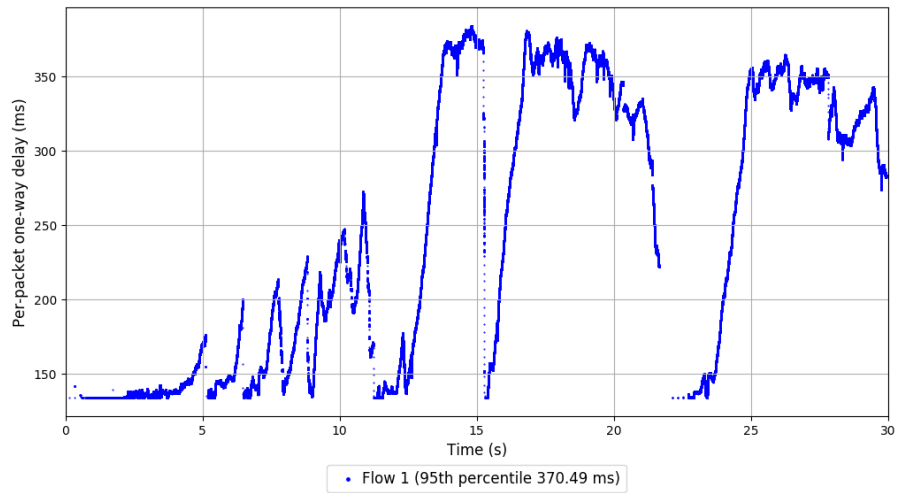
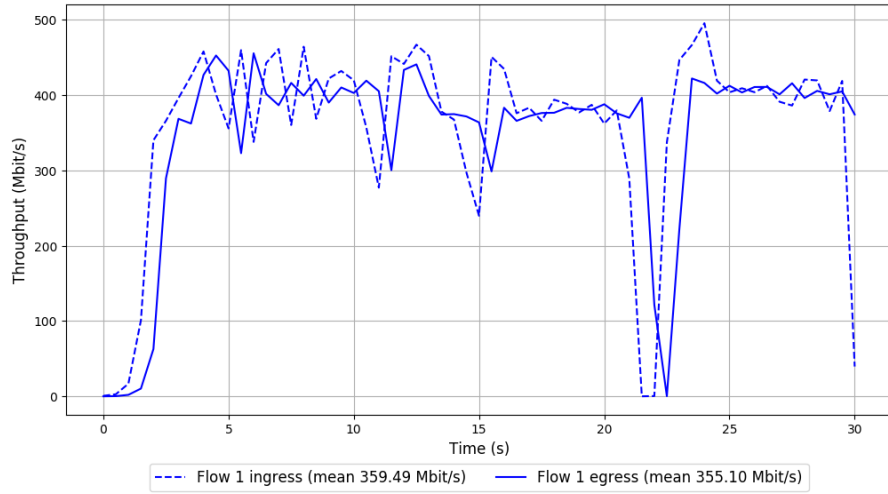
-- Total of 1 flow:

Average throughput: 355.10 Mbit/s
95th percentile per-packet one-way delay: 370.492 ms
Loss rate: 2.00%

-- Flow 1:

Average throughput: 355.10 Mbit/s
95th percentile per-packet one-way delay: 370.492 ms
Loss rate: 2.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-05-30 06:07:36

End at: 2019-05-30 06:08:06

Local clock offset: -3.62 ms

Remote clock offset: -33.04 ms

Below is generated by plot.py at 2019-05-30 08:05:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 337.93 Mbit/s

95th percentile per-packet one-way delay: 349.276 ms

Loss rate: 2.22%

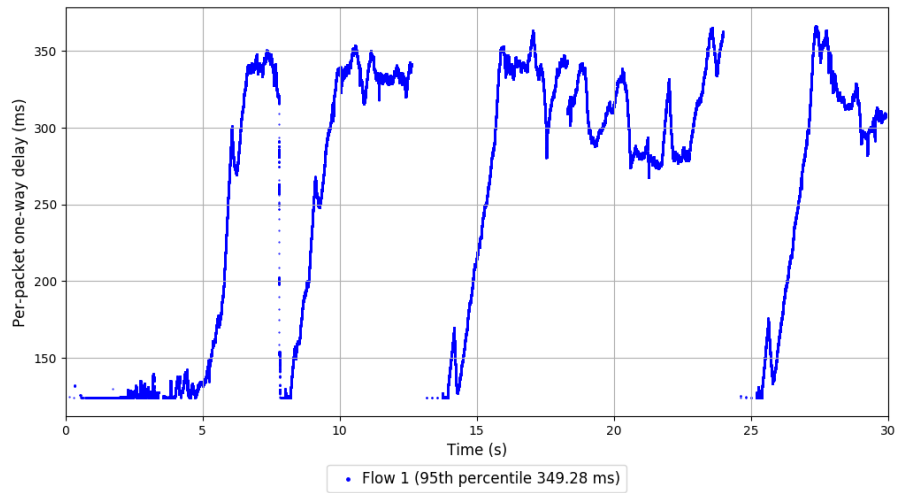
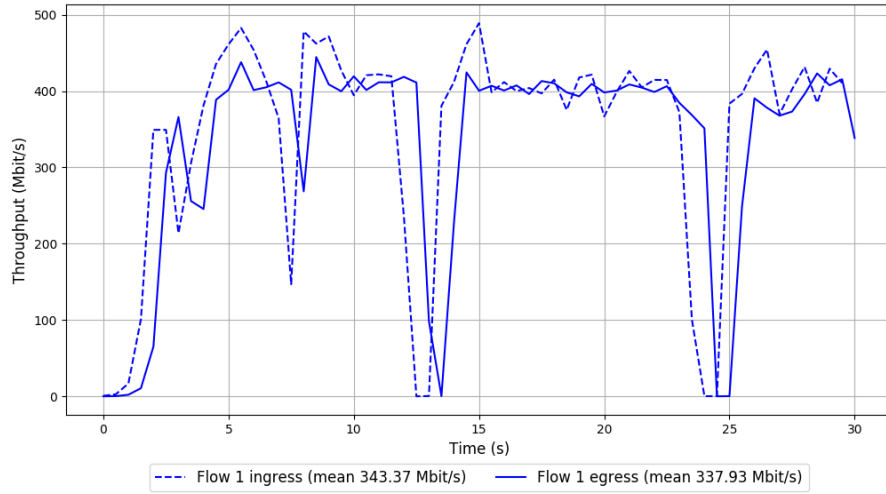
-- Flow 1:

Average throughput: 337.93 Mbit/s

95th percentile per-packet one-way delay: 349.276 ms

Loss rate: 2.22%

Run 2: Report of TCP BBR — Data Link

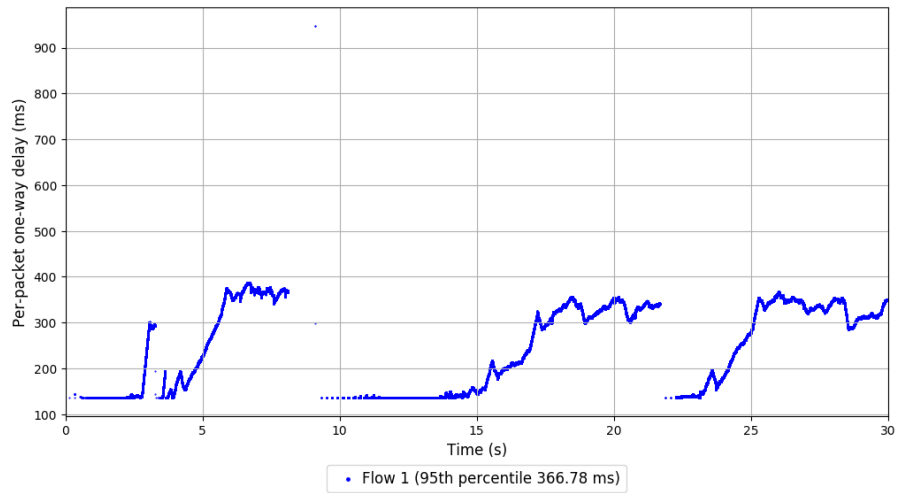
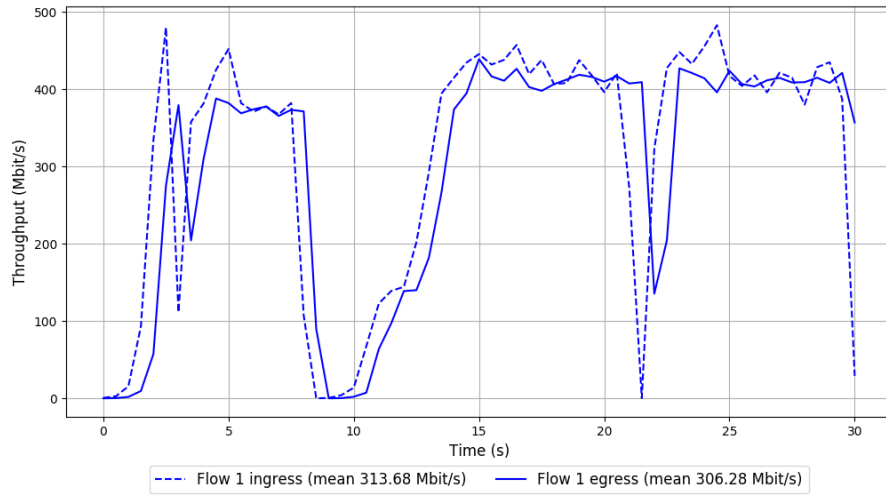


Run 3: Statistics of TCP BBR

Start at: 2019-05-30 06:35:43
End at: 2019-05-30 06:36:13
Local clock offset: 2.837 ms
Remote clock offset: -40.587 ms

Below is generated by plot.py at 2019-05-30 08:05:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 306.28 Mbit/s
95th percentile per-packet one-way delay: 366.784 ms
Loss rate: 3.70%
-- Flow 1:
Average throughput: 306.28 Mbit/s
95th percentile per-packet one-way delay: 366.784 ms
Loss rate: 3.70%

Run 3: Report of TCP BBR — Data Link

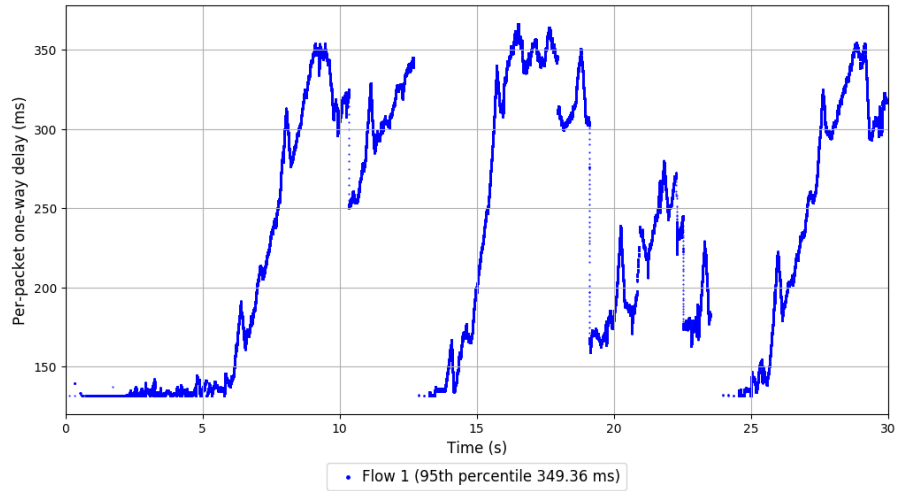
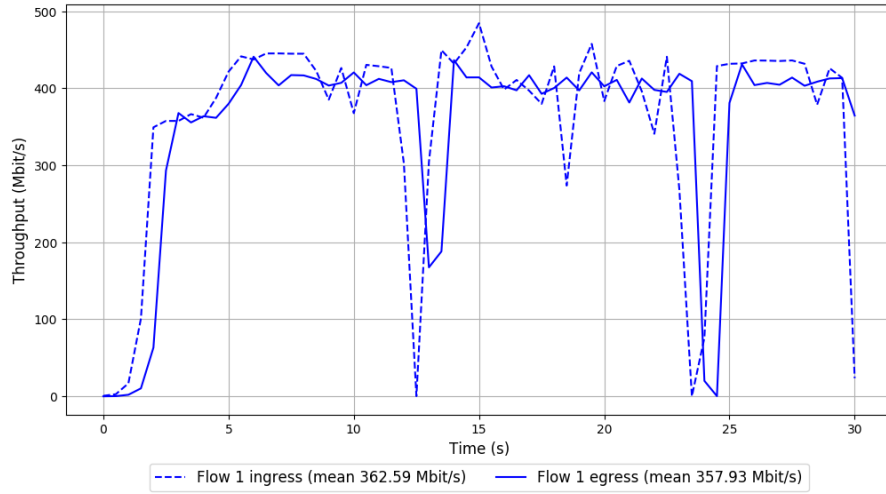


Run 4: Statistics of TCP BBR

Start at: 2019-05-30 07:03:55
End at: 2019-05-30 07:04:25
Local clock offset: -3.9 ms
Remote clock offset: -41.212 ms

Below is generated by plot.py at 2019-05-30 08:05:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 357.93 Mbit/s
95th percentile per-packet one-way delay: 349.363 ms
Loss rate: 2.00%
-- Flow 1:
Average throughput: 357.93 Mbit/s
95th percentile per-packet one-way delay: 349.363 ms
Loss rate: 2.00%

Run 4: Report of TCP BBR — Data Link

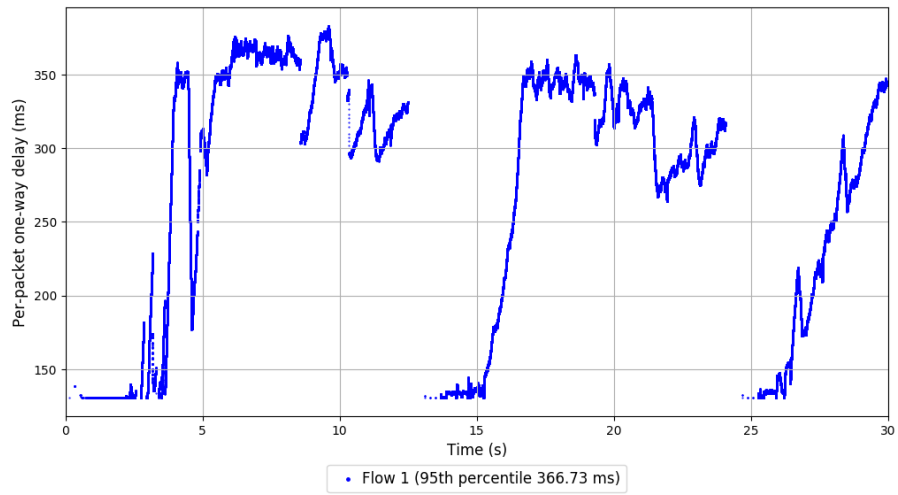
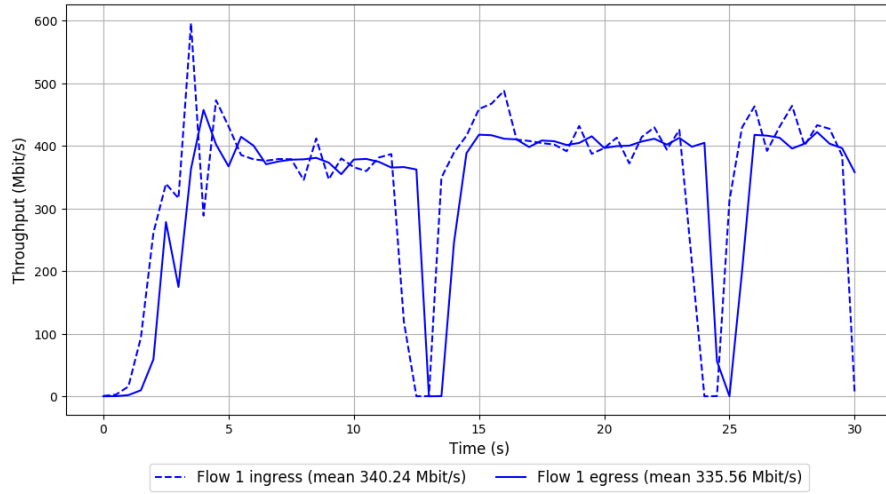


Run 5: Statistics of TCP BBR

Start at: 2019-05-30 07:32:10
End at: 2019-05-30 07:32:40
Local clock offset: 3.403 ms
Remote clock offset: -34.861 ms

Below is generated by plot.py at 2019-05-30 08:05:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 335.56 Mbit/s
95th percentile per-packet one-way delay: 366.726 ms
Loss rate: 2.02%
-- Flow 1:
Average throughput: 335.56 Mbit/s
95th percentile per-packet one-way delay: 366.726 ms
Loss rate: 2.02%

Run 5: Report of TCP BBR — Data Link

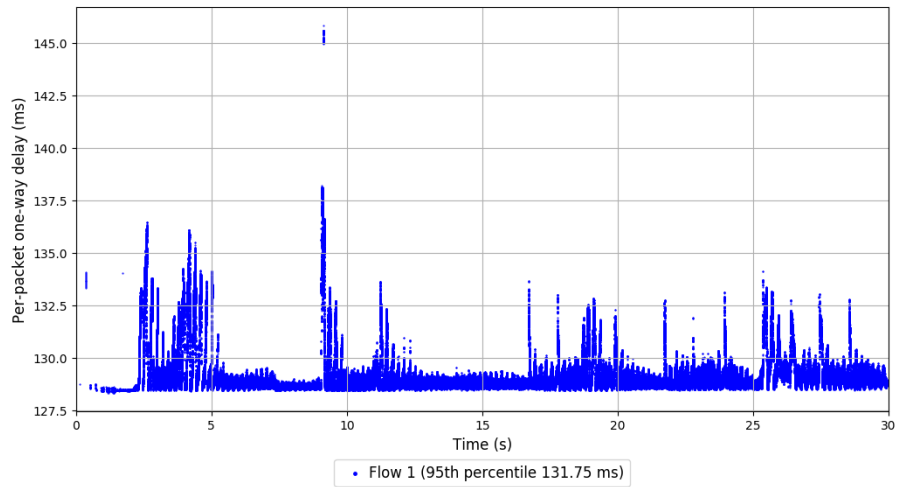
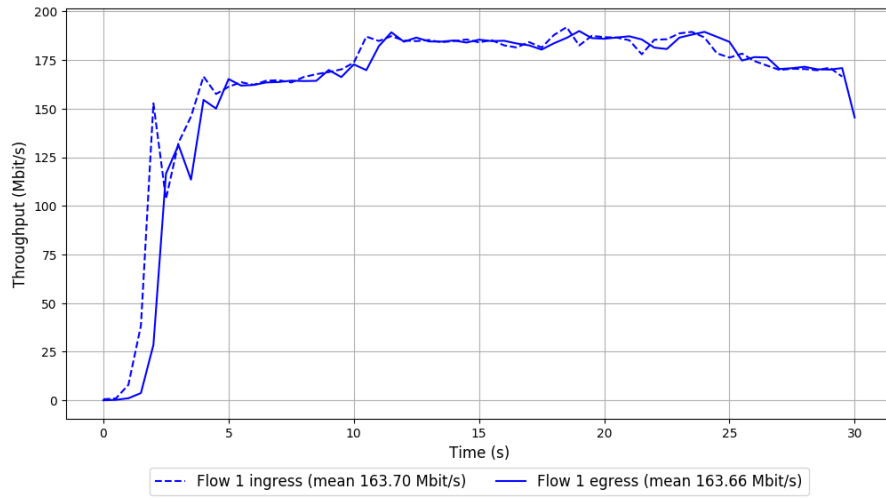


Run 1: Statistics of Copa

Start at: 2019-05-30 05:38:11
End at: 2019-05-30 05:38:41
Local clock offset: -2.476 ms
Remote clock offset: -37.866 ms

Below is generated by plot.py at 2019-05-30 08:05:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 163.66 Mbit/s
95th percentile per-packet one-way delay: 131.750 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 163.66 Mbit/s
95th percentile per-packet one-way delay: 131.750 ms
Loss rate: 0.66%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2019-05-30 06:06:16
End at: 2019-05-30 06:06:46
Local clock offset: 0.931 ms
Remote clock offset: -39.605 ms

Below is generated by plot.py at 2019-05-30 08:05:49

Datalink statistics

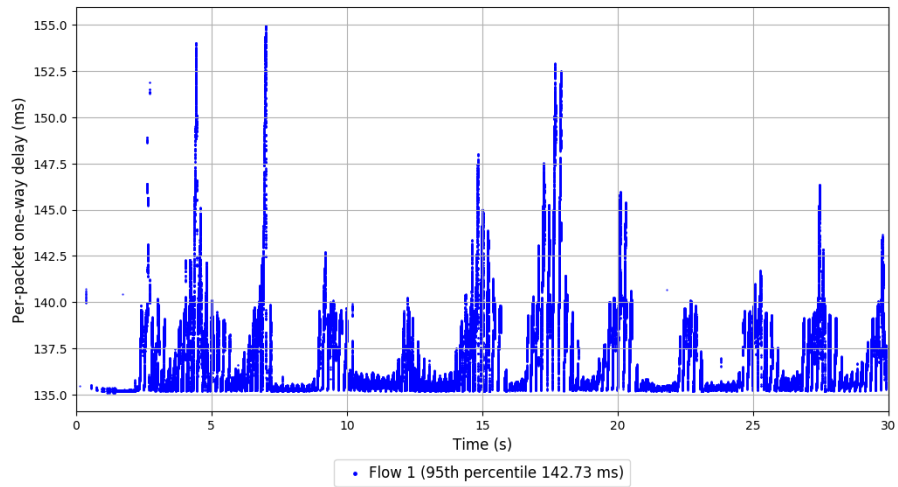
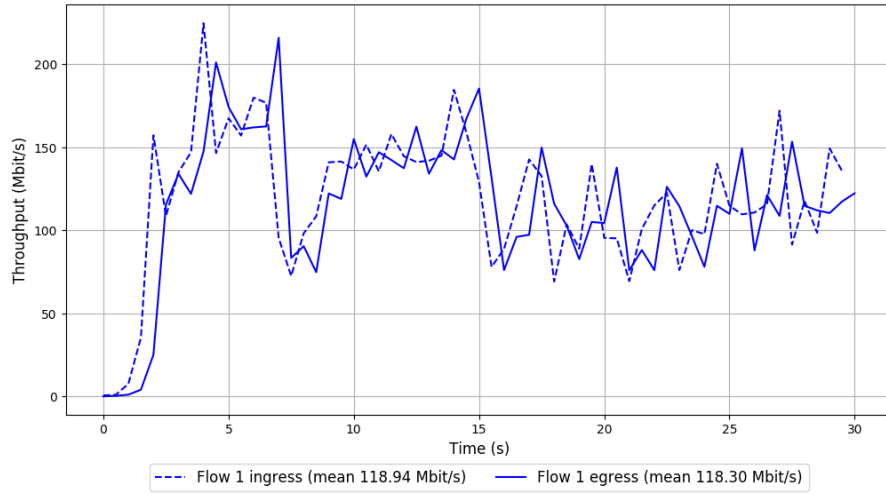
-- Total of 1 flow:

Average throughput: 118.30 Mbit/s
95th percentile per-packet one-way delay: 142.732 ms
Loss rate: 0.94%

-- Flow 1:

Average throughput: 118.30 Mbit/s
95th percentile per-packet one-way delay: 142.732 ms
Loss rate: 0.94%

Run 2: Report of Copa — Data Link

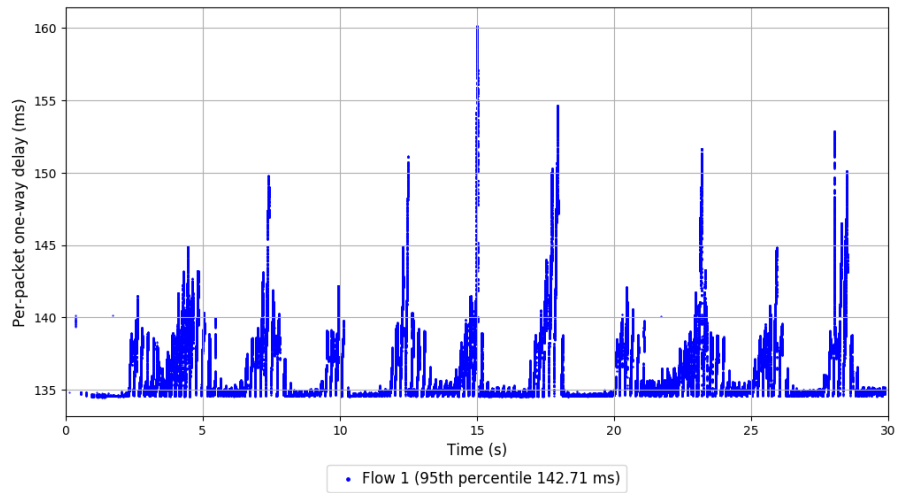
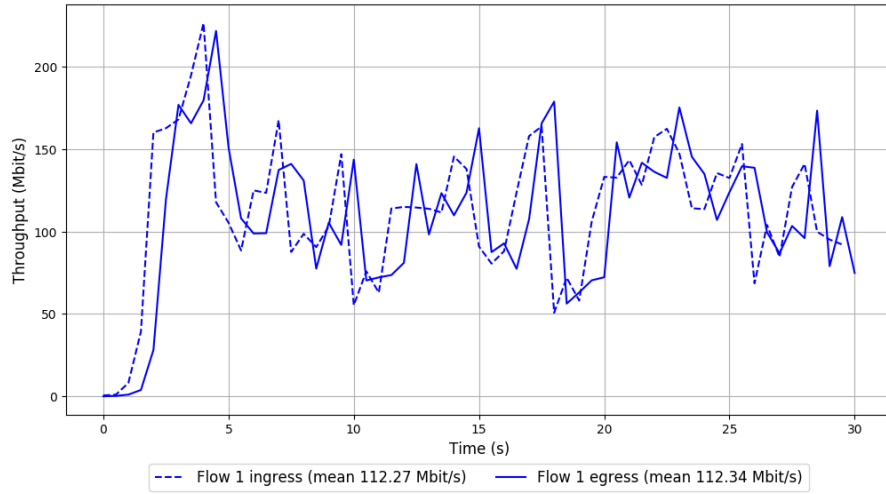


Run 3: Statistics of Copa

Start at: 2019-05-30 06:34:24
End at: 2019-05-30 06:34:54
Local clock offset: -0.758 ms
Remote clock offset: -42.566 ms

Below is generated by plot.py at 2019-05-30 08:05:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 112.34 Mbit/s
95th percentile per-packet one-way delay: 142.713 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 112.34 Mbit/s
95th percentile per-packet one-way delay: 142.713 ms
Loss rate: 0.59%

Run 3: Report of Copa — Data Link

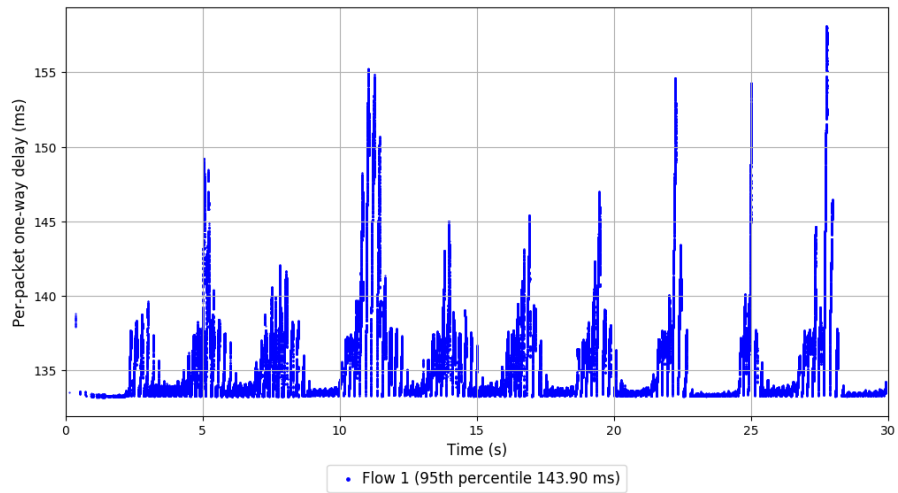
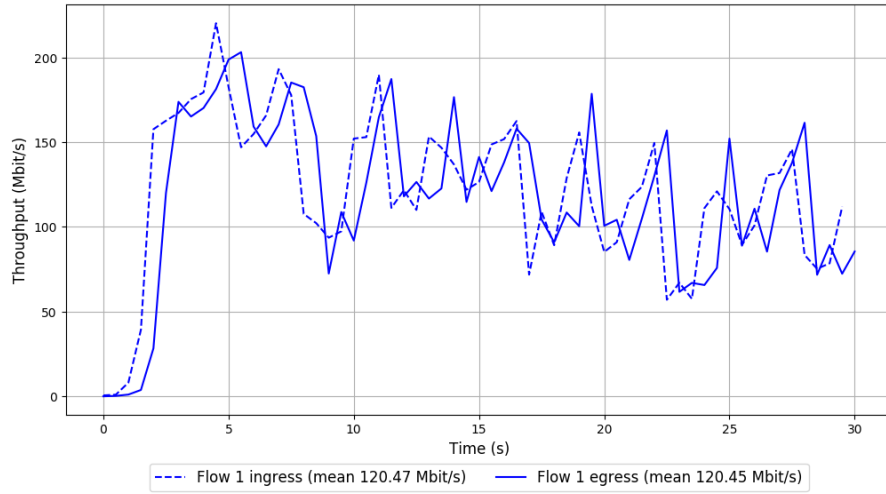


Run 4: Statistics of Copa

Start at: 2019-05-30 07:02:35
End at: 2019-05-30 07:03:05
Local clock offset: -3.889 ms
Remote clock offset: -42.836 ms

Below is generated by plot.py at 2019-05-30 08:06:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 120.45 Mbit/s
95th percentile per-packet one-way delay: 143.900 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 120.45 Mbit/s
95th percentile per-packet one-way delay: 143.900 ms
Loss rate: 0.67%

Run 4: Report of Copa — Data Link

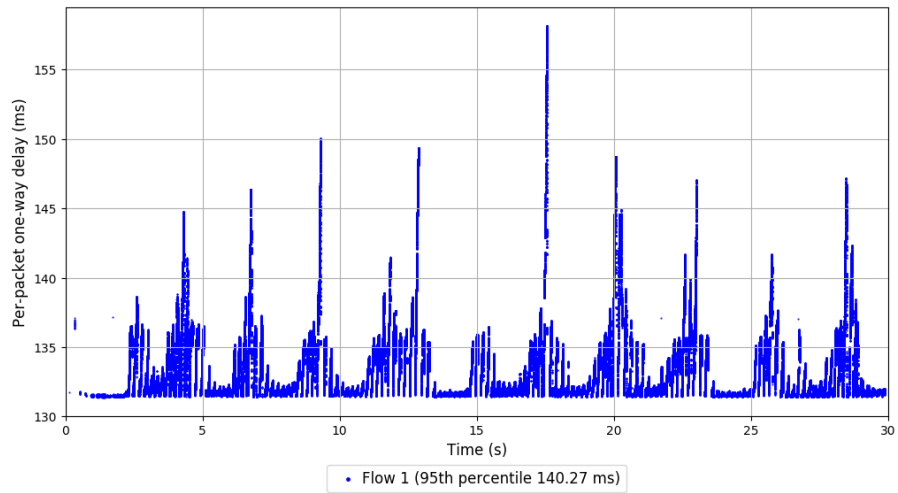
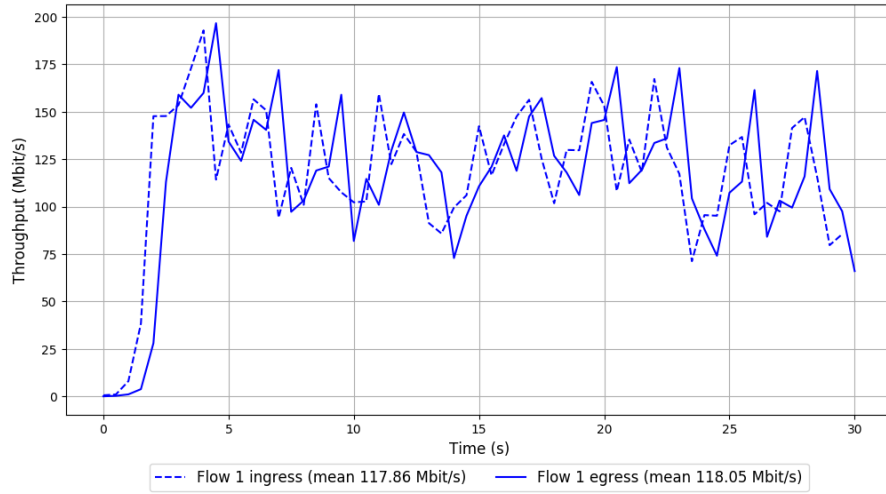


Run 5: Statistics of Copa

Start at: 2019-05-30 07:30:50
End at: 2019-05-30 07:31:20
Local clock offset: -1.345 ms
Remote clock offset: -40.381 ms

Below is generated by plot.py at 2019-05-30 08:06:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 118.05 Mbit/s
95th percentile per-packet one-way delay: 140.267 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 118.05 Mbit/s
95th percentile per-packet one-way delay: 140.267 ms
Loss rate: 0.48%

Run 5: Report of Copa — Data Link

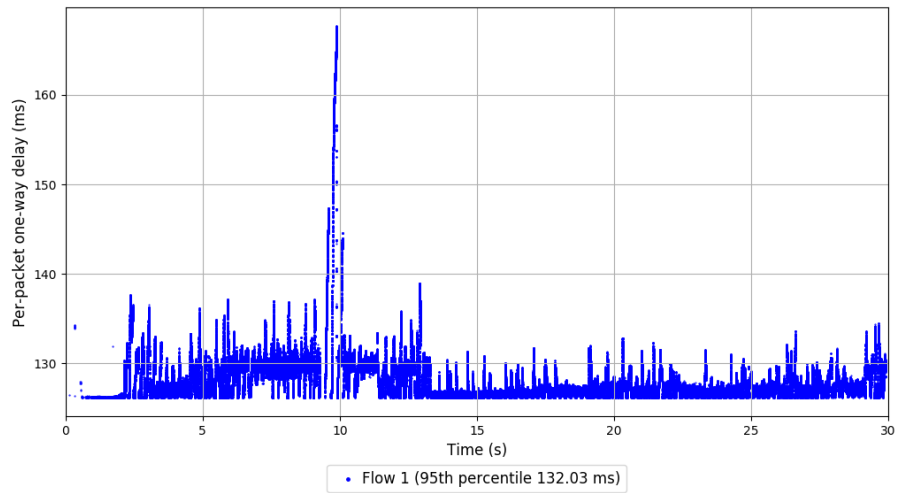
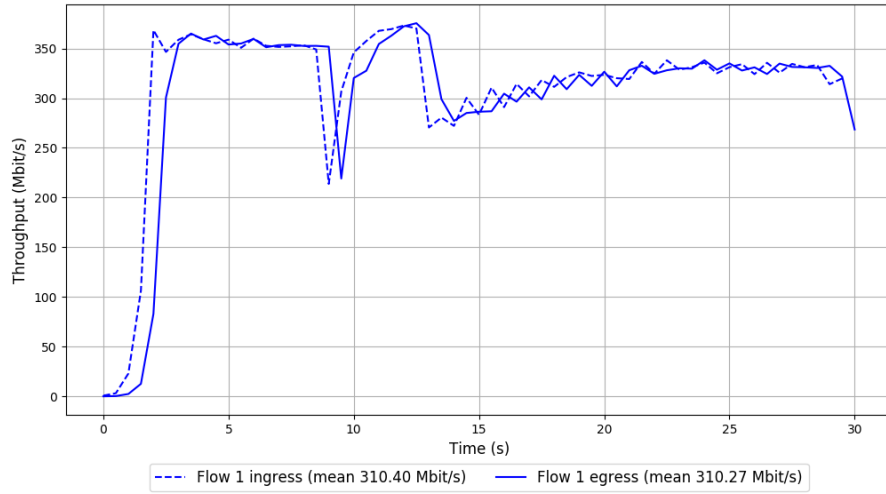


Run 1: Statistics of TCP Cubic

Start at: 2019-05-30 05:56:54
End at: 2019-05-30 05:57:24
Local clock offset: -2.837 ms
Remote clock offset: -34.637 ms

Below is generated by plot.py at 2019-05-30 08:08:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 310.27 Mbit/s
95th percentile per-packet one-way delay: 132.027 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 310.27 Mbit/s
95th percentile per-packet one-way delay: 132.027 ms
Loss rate: 0.69%

Run 1: Report of TCP Cubic — Data Link

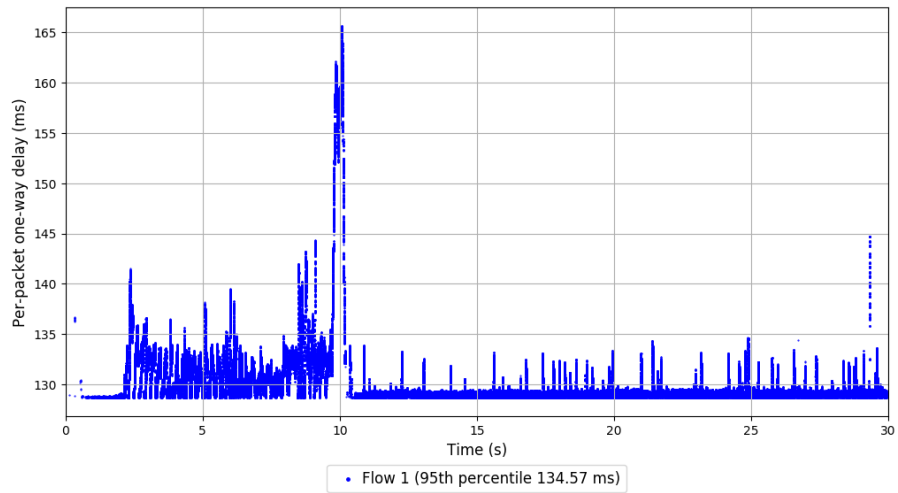
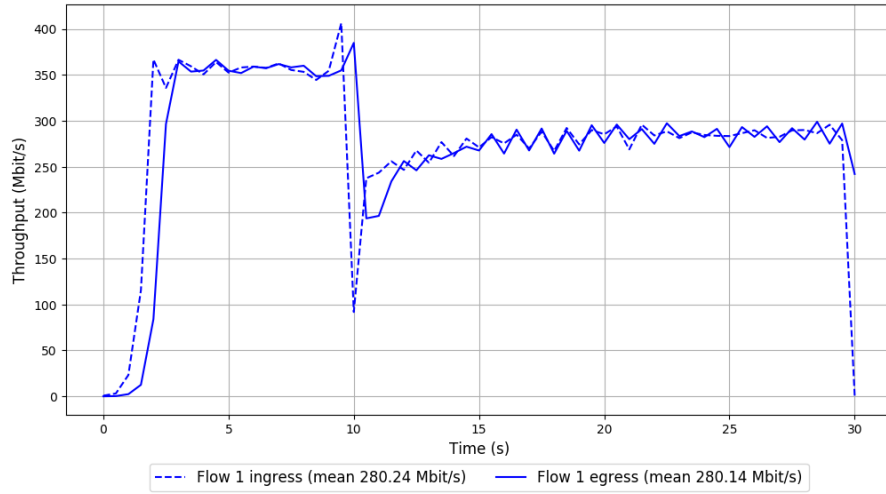


Run 2: Statistics of TCP Cubic

Start at: 2019-05-30 06:25:12
End at: 2019-05-30 06:25:42
Local clock offset: -1.641 ms
Remote clock offset: -37.463 ms

Below is generated by plot.py at 2019-05-30 08:08:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 280.14 Mbit/s
95th percentile per-packet one-way delay: 134.573 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 280.14 Mbit/s
95th percentile per-packet one-way delay: 134.573 ms
Loss rate: 0.68%

Run 2: Report of TCP Cubic — Data Link

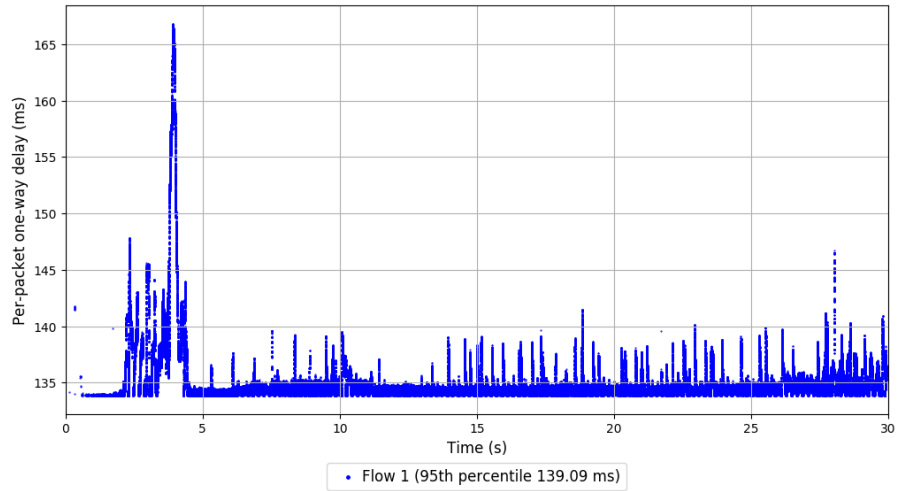
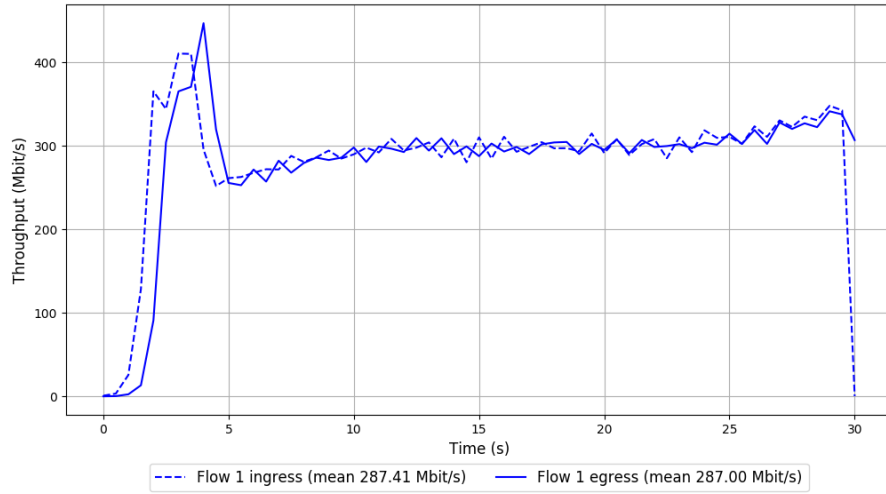


Run 3: Statistics of TCP Cubic

Start at: 2019-05-30 06:53:19
End at: 2019-05-30 06:53:49
Local clock offset: 1.192 ms
Remote clock offset: -38.726 ms

Below is generated by plot.py at 2019-05-30 08:08:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 287.00 Mbit/s
95th percentile per-packet one-way delay: 139.091 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 287.00 Mbit/s
95th percentile per-packet one-way delay: 139.091 ms
Loss rate: 0.79%

Run 3: Report of TCP Cubic — Data Link

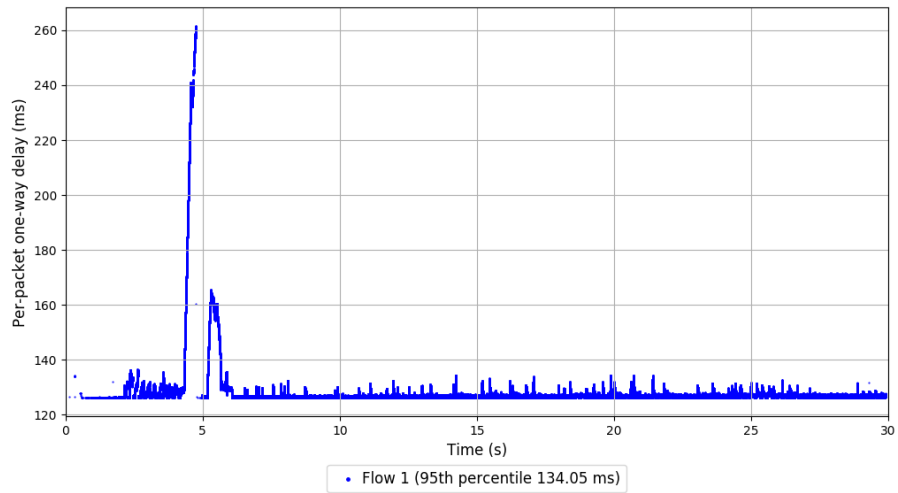
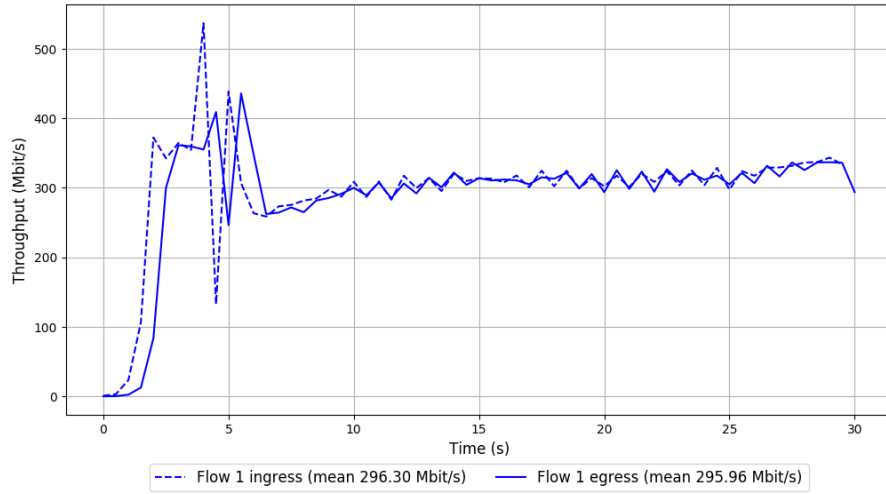


Run 4: Statistics of TCP Cubic

Start at: 2019-05-30 07:21:37
End at: 2019-05-30 07:22:07
Local clock offset: -1.924 ms
Remote clock offset: -35.347 ms

Below is generated by plot.py at 2019-05-30 08:08:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 295.96 Mbit/s
95th percentile per-packet one-way delay: 134.053 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 295.96 Mbit/s
95th percentile per-packet one-way delay: 134.053 ms
Loss rate: 0.75%

Run 4: Report of TCP Cubic — Data Link

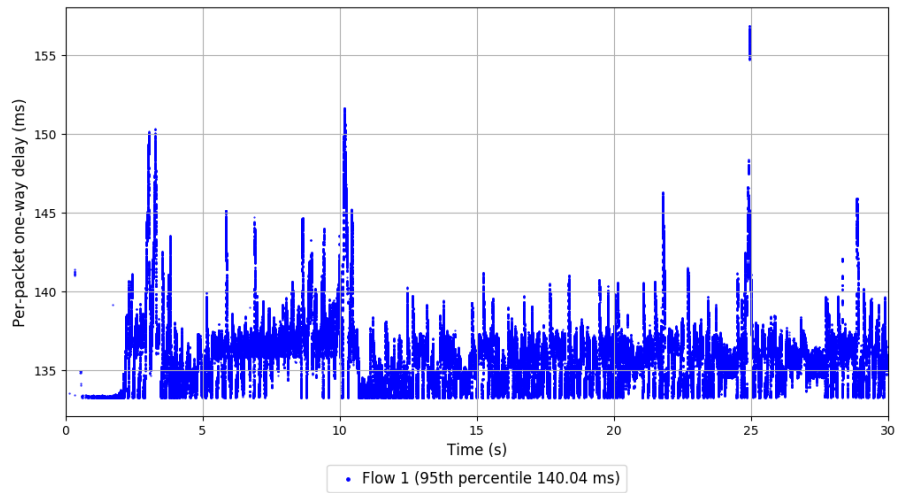
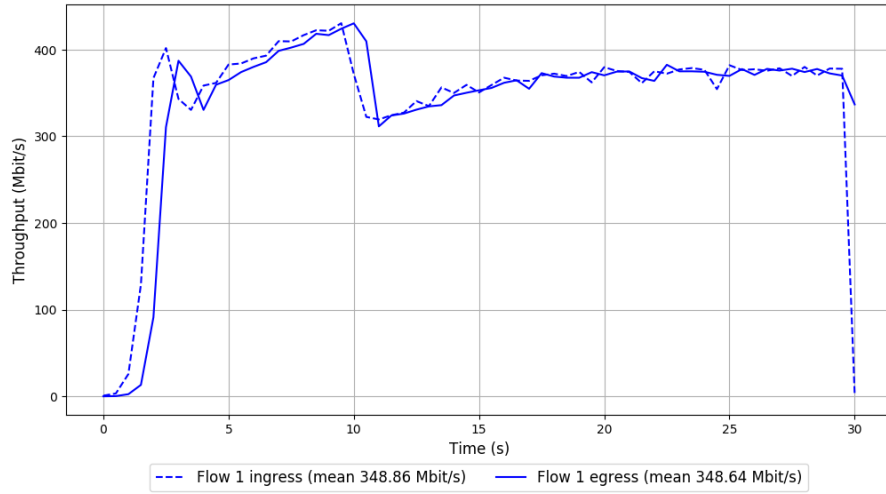


Run 5: Statistics of TCP Cubic

Start at: 2019-05-30 07:49:49
End at: 2019-05-30 07:50:19
Local clock offset: -2.702 ms
Remote clock offset: -42.415 ms

Below is generated by plot.py at 2019-05-30 08:09:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 348.64 Mbit/s
95th percentile per-packet one-way delay: 140.044 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 348.64 Mbit/s
95th percentile per-packet one-way delay: 140.044 ms
Loss rate: 0.71%

Run 5: Report of TCP Cubic — Data Link

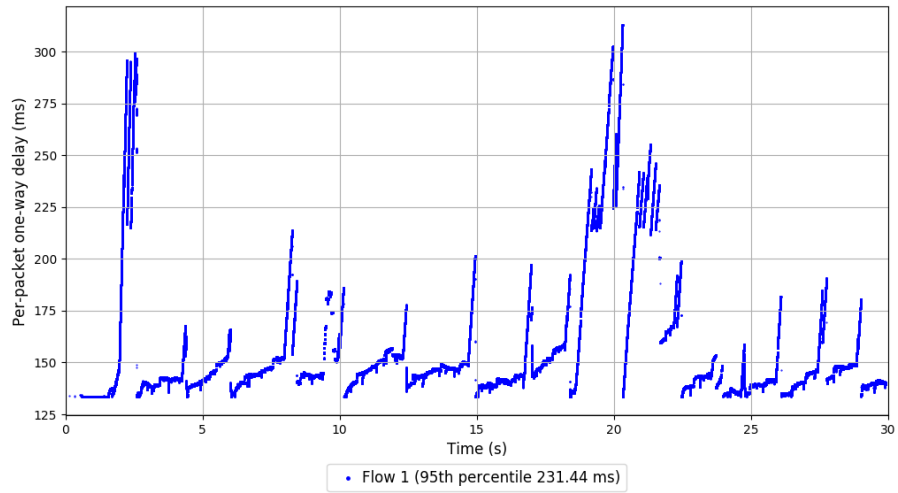
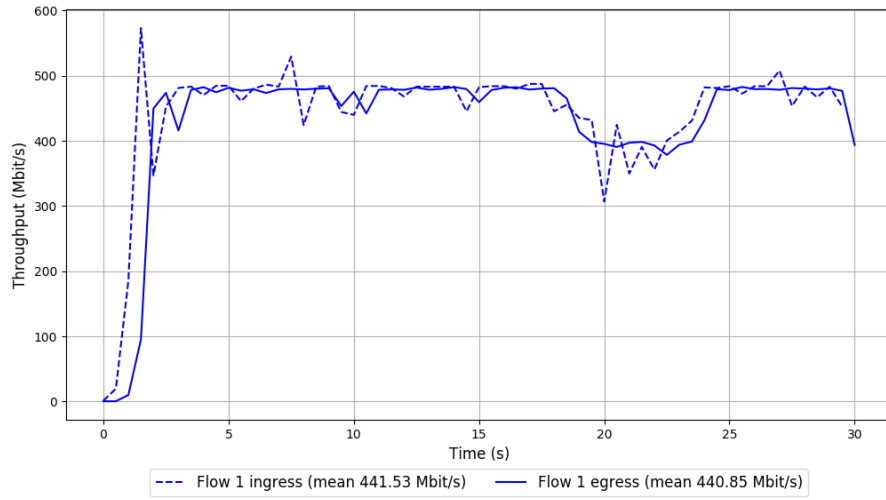


Run 1: Statistics of FillP

Start at: 2019-05-30 05:46:10
End at: 2019-05-30 05:46:40
Local clock offset: -2.933 ms
Remote clock offset: -42.704 ms

Below is generated by plot.py at 2019-05-30 08:11:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 440.85 Mbit/s
95th percentile per-packet one-way delay: 231.442 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 440.85 Mbit/s
95th percentile per-packet one-way delay: 231.442 ms
Loss rate: 0.81%

Run 1: Report of FillP — Data Link

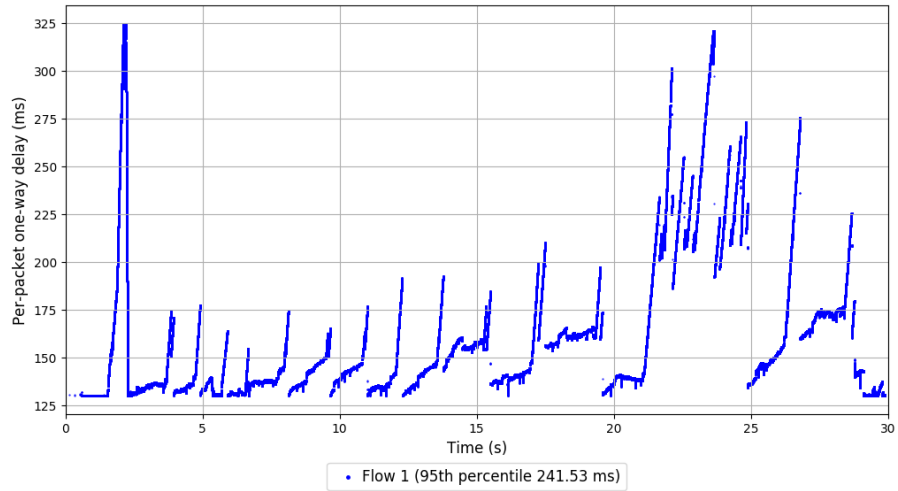
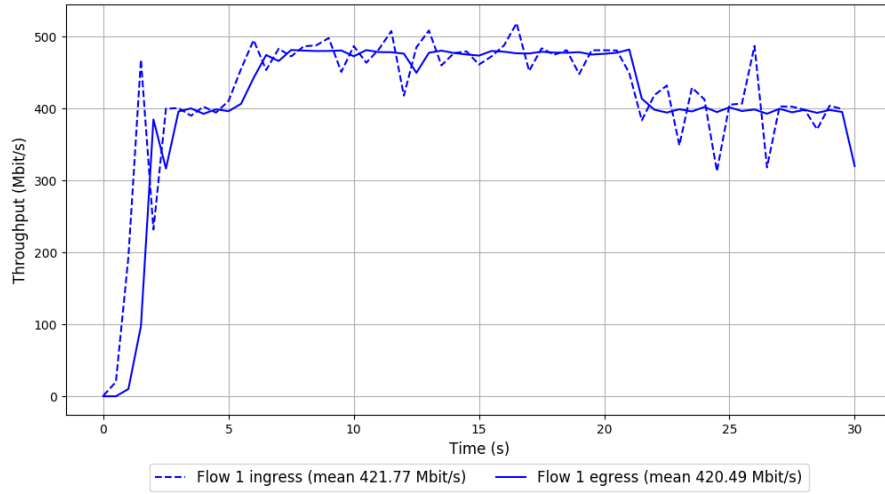


Run 2: Statistics of FillP

Start at: 2019-05-30 06:14:18
End at: 2019-05-30 06:14:48
Local clock offset: 1.421 ms
Remote clock offset: -35.371 ms

Below is generated by plot.py at 2019-05-30 08:12:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 420.49 Mbit/s
95th percentile per-packet one-way delay: 241.534 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 420.49 Mbit/s
95th percentile per-packet one-way delay: 241.534 ms
Loss rate: 0.95%

Run 2: Report of FillP — Data Link

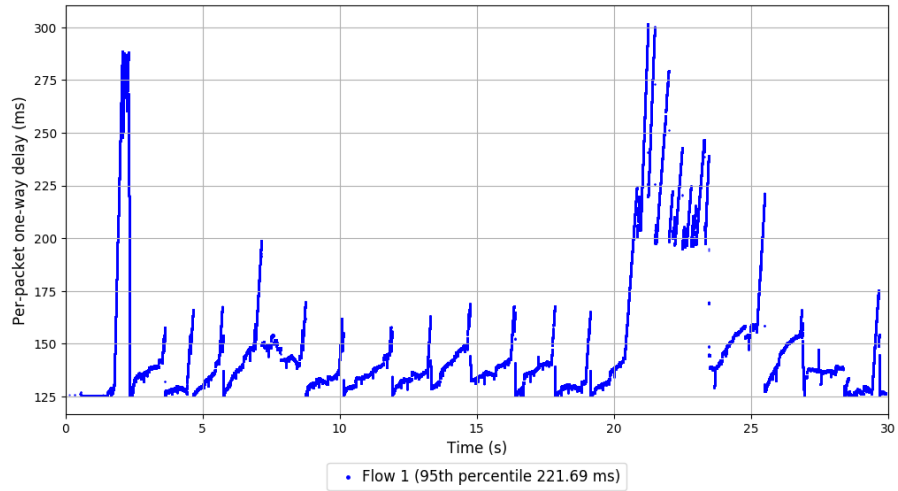
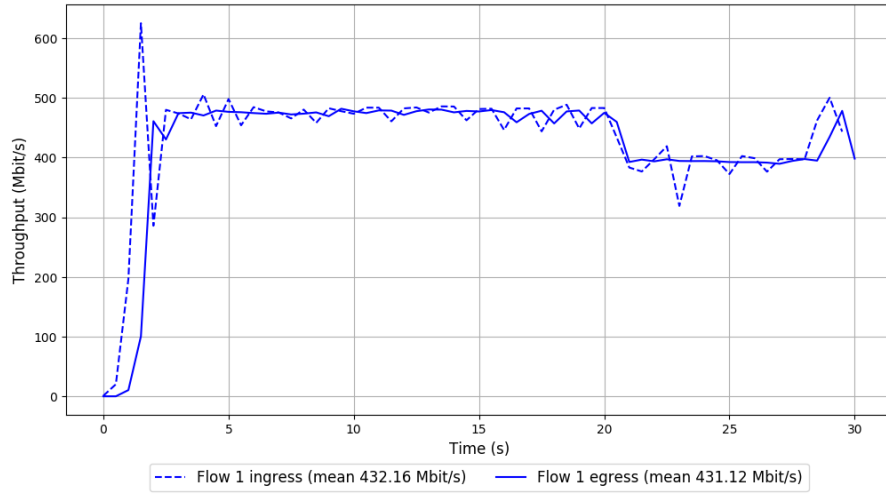


Run 3: Statistics of FillP

Start at: 2019-05-30 06:42:22
End at: 2019-05-30 06:42:52
Local clock offset: -2.12 ms
Remote clock offset: -34.361 ms

Below is generated by plot.py at 2019-05-30 08:13:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 431.12 Mbit/s
95th percentile per-packet one-way delay: 221.691 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 431.12 Mbit/s
95th percentile per-packet one-way delay: 221.691 ms
Loss rate: 0.89%

Run 3: Report of FillP — Data Link

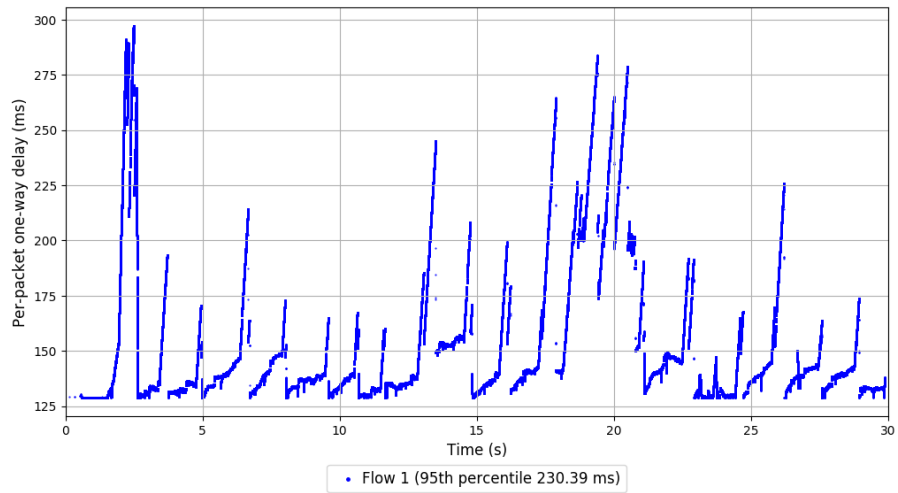
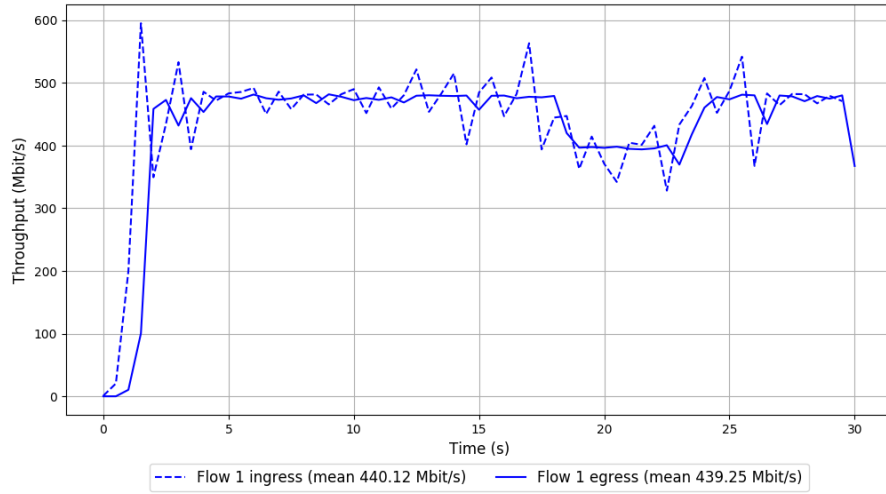


Run 4: Statistics of FillP

Start at: 2019-05-30 07:10:36
End at: 2019-05-30 07:11:06
Local clock offset: 1.006 ms
Remote clock offset: -34.057 ms

Below is generated by plot.py at 2019-05-30 08:14:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 439.25 Mbit/s
95th percentile per-packet one-way delay: 230.394 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 439.25 Mbit/s
95th percentile per-packet one-way delay: 230.394 ms
Loss rate: 0.96%

Run 4: Report of FillP — Data Link

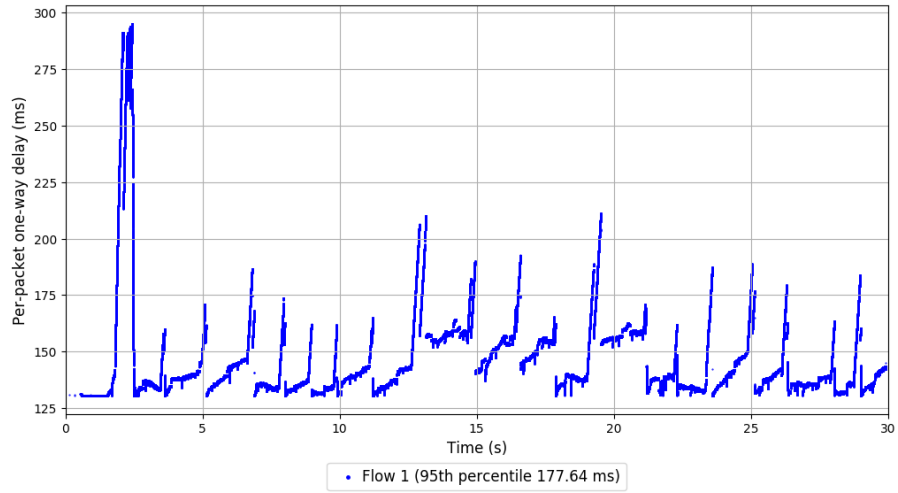
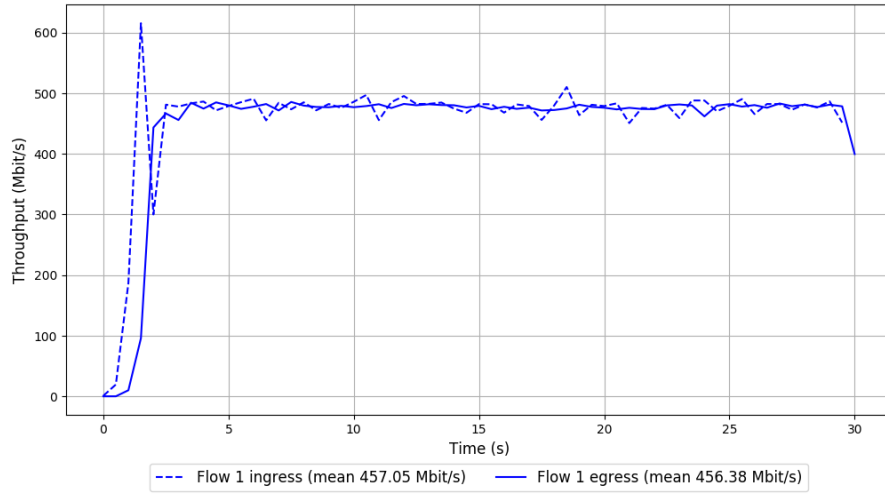


Run 5: Statistics of FillP

Start at: 2019-05-30 07:38:49
End at: 2019-05-30 07:39:19
Local clock offset: 1.857 ms
Remote clock offset: -36.21 ms

Below is generated by plot.py at 2019-05-30 08:14:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 456.38 Mbit/s
95th percentile per-packet one-way delay: 177.636 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 456.38 Mbit/s
95th percentile per-packet one-way delay: 177.636 ms
Loss rate: 0.78%

Run 5: Report of FillP — Data Link

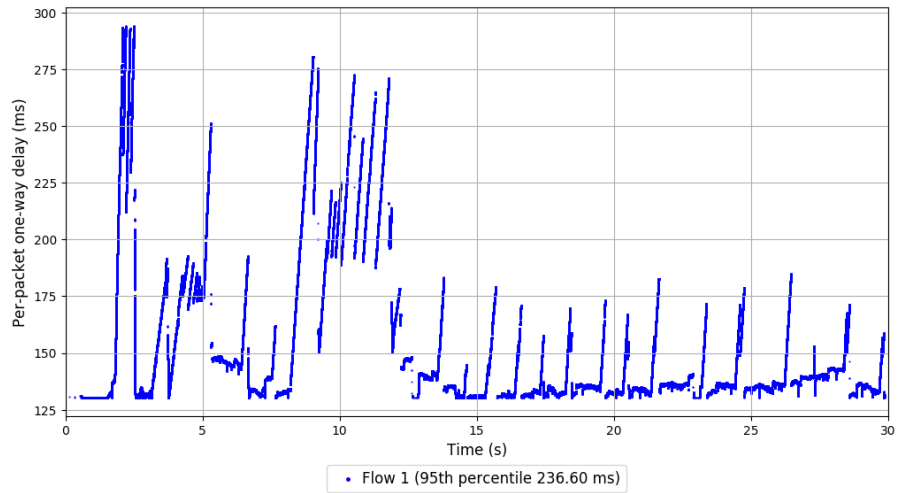
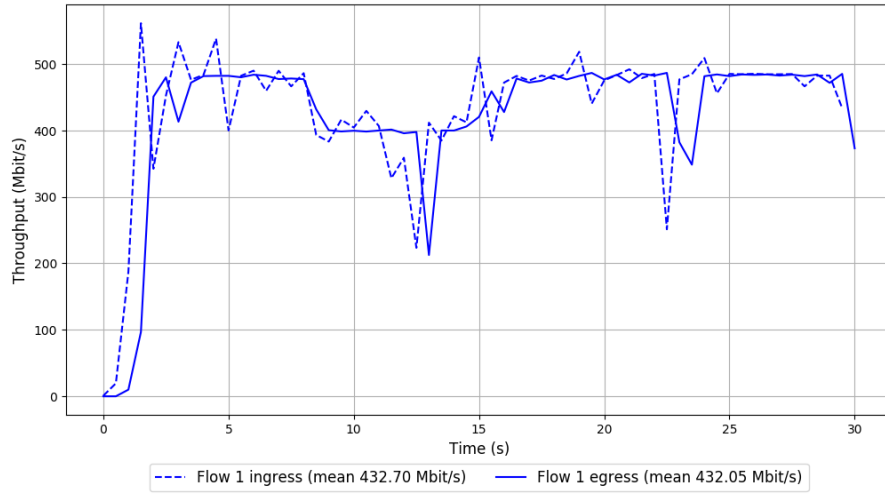


Run 1: Statistics of FillP-Sheep

Start at: 2019-05-30 05:47:36
End at: 2019-05-30 05:48:06
Local clock offset: -2.157 ms
Remote clock offset: -38.747 ms

Below is generated by plot.py at 2019-05-30 08:14:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 432.05 Mbit/s
95th percentile per-packet one-way delay: 236.598 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 432.05 Mbit/s
95th percentile per-packet one-way delay: 236.598 ms
Loss rate: 0.80%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-05-30 06:15:44

End at: 2019-05-30 06:16:14

Local clock offset: 1.891 ms

Remote clock offset: -35.671 ms

Below is generated by plot.py at 2019-05-30 08:14:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 411.13 Mbit/s

95th percentile per-packet one-way delay: 229.619 ms

Loss rate: 5.02%

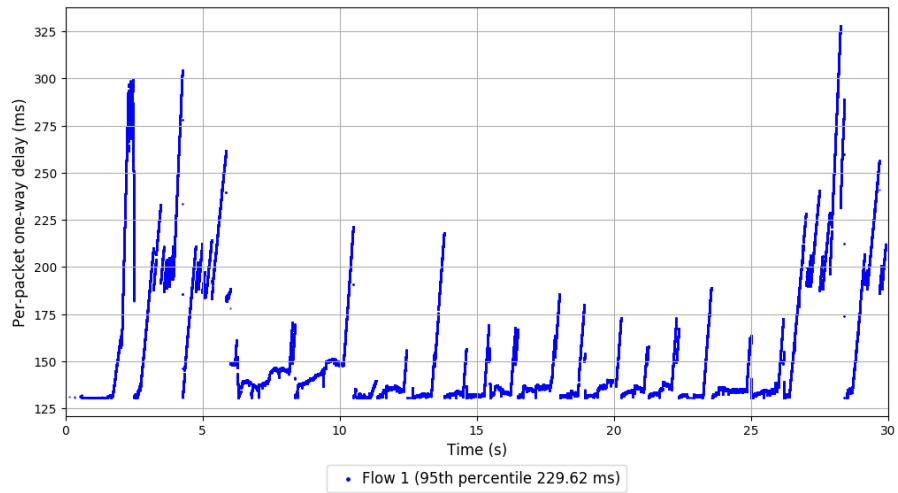
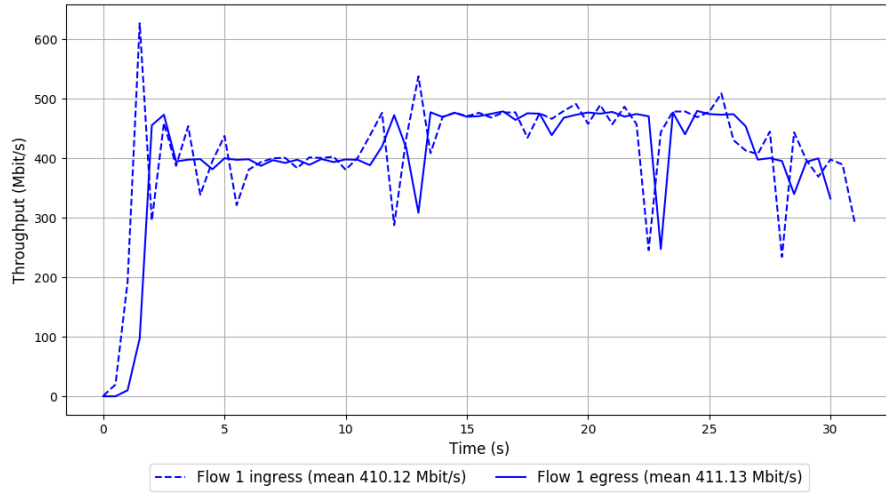
-- Flow 1:

Average throughput: 411.13 Mbit/s

95th percentile per-packet one-way delay: 229.619 ms

Loss rate: 5.02%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-05-30 06:43:48

End at: 2019-05-30 06:44:18

Local clock offset: 1.998 ms

Remote clock offset: -43.271 ms

Below is generated by plot.py at 2019-05-30 08:15:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 433.92 Mbit/s

95th percentile per-packet one-way delay: 235.391 ms

Loss rate: 0.87%

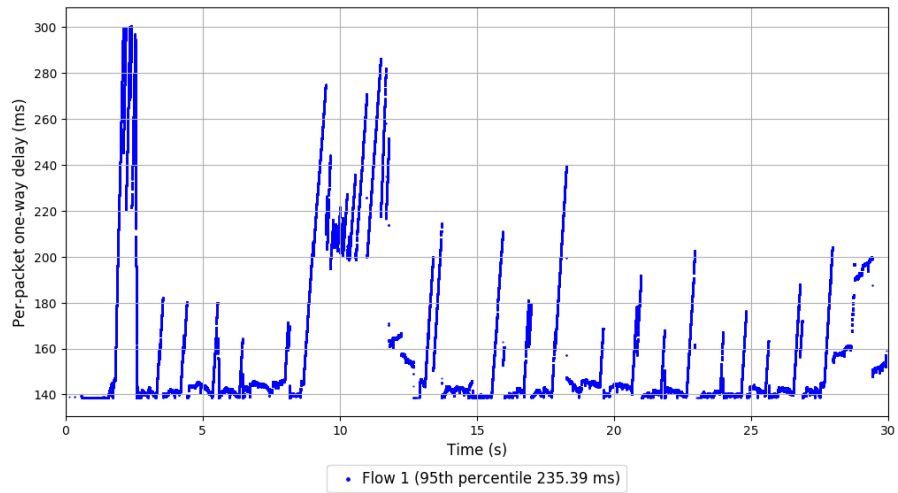
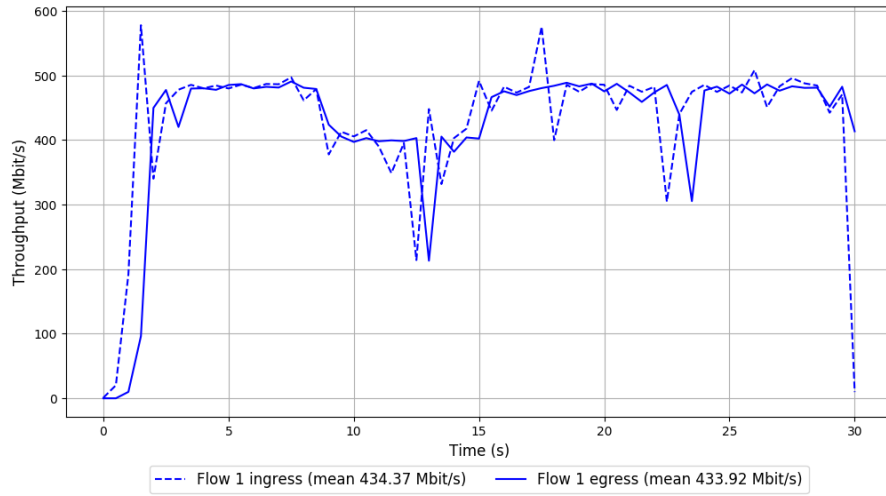
-- Flow 1:

Average throughput: 433.92 Mbit/s

95th percentile per-packet one-way delay: 235.391 ms

Loss rate: 0.87%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-05-30 07:12:03

End at: 2019-05-30 07:12:33

Local clock offset: -2.524 ms

Remote clock offset: -43.947 ms

Below is generated by plot.py at 2019-05-30 08:18:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 436.02 Mbit/s

95th percentile per-packet one-way delay: 225.061 ms

Loss rate: 0.88%

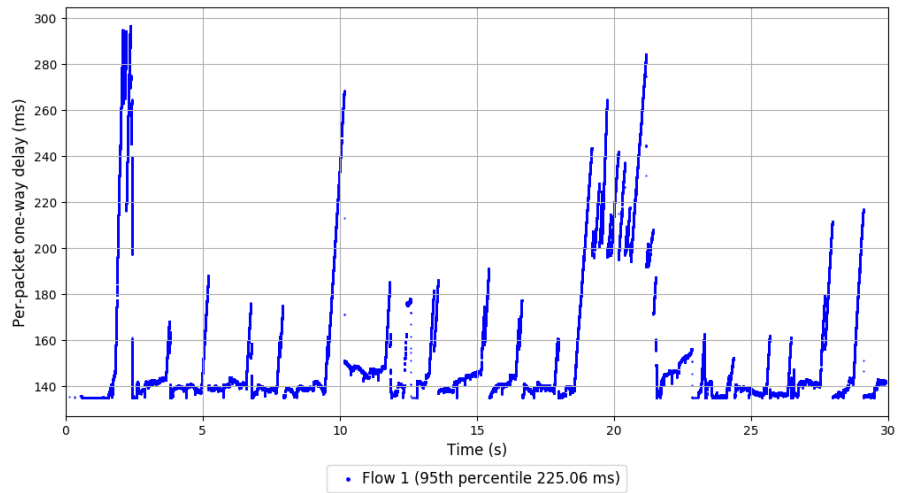
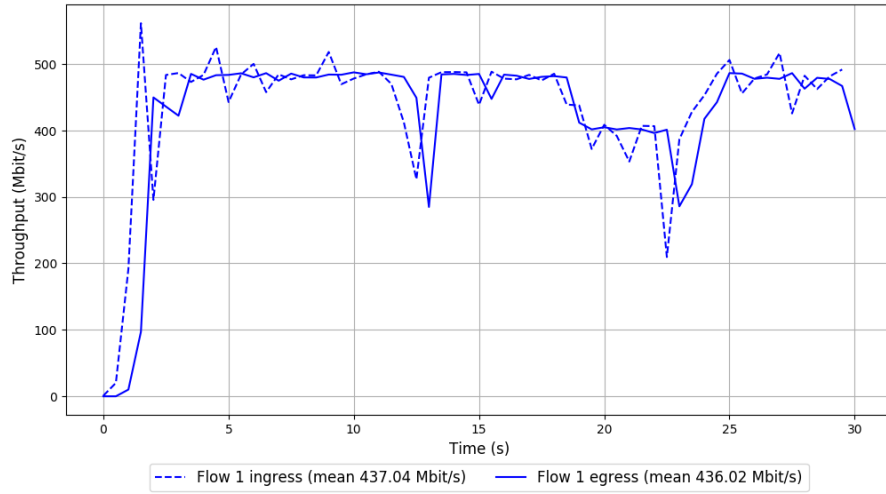
-- Flow 1:

Average throughput: 436.02 Mbit/s

95th percentile per-packet one-way delay: 225.061 ms

Loss rate: 0.88%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-05-30 07:40:17

End at: 2019-05-30 07:40:47

Local clock offset: 2.47 ms

Remote clock offset: -40.565 ms

Below is generated by plot.py at 2019-05-30 08:18:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 434.01 Mbit/s

95th percentile per-packet one-way delay: 234.626 ms

Loss rate: 0.63%

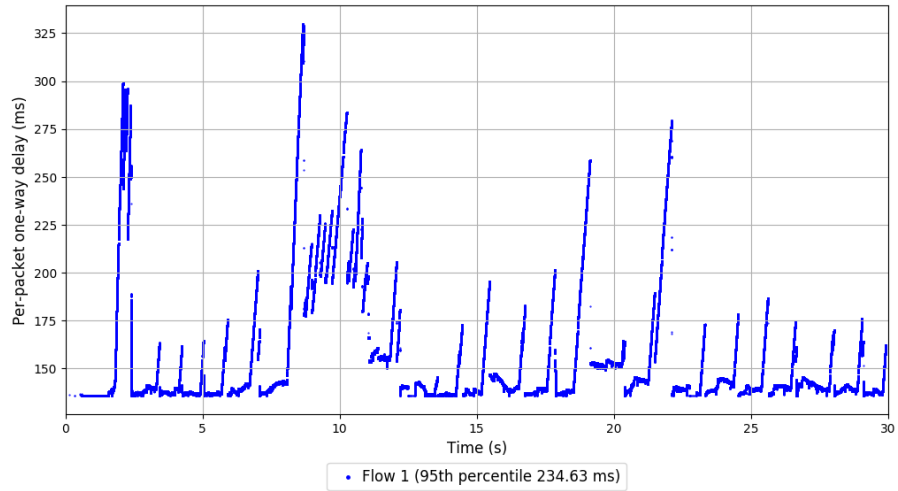
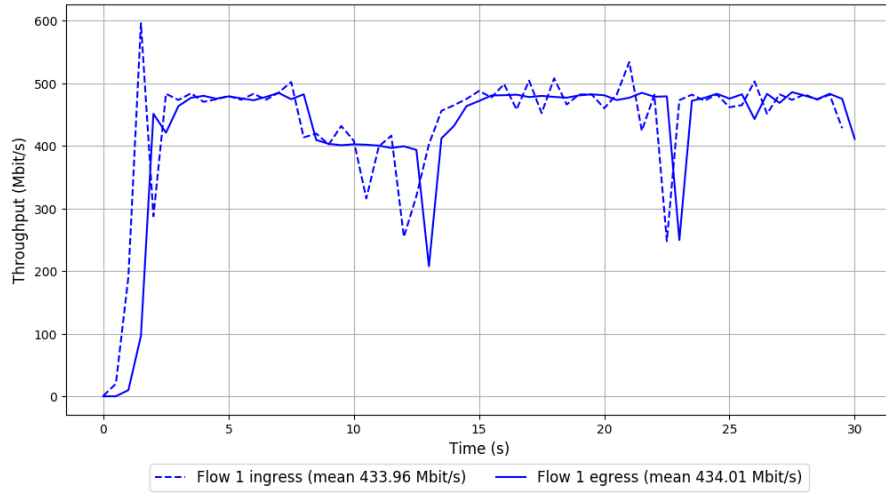
-- Flow 1:

Average throughput: 434.01 Mbit/s

95th percentile per-packet one-way delay: 234.626 ms

Loss rate: 0.63%

Run 5: Report of FillP-Sheep — Data Link

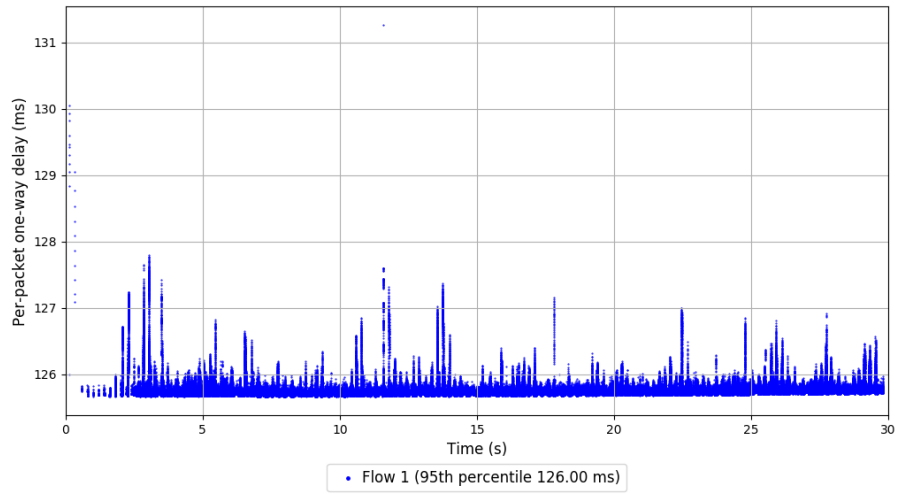
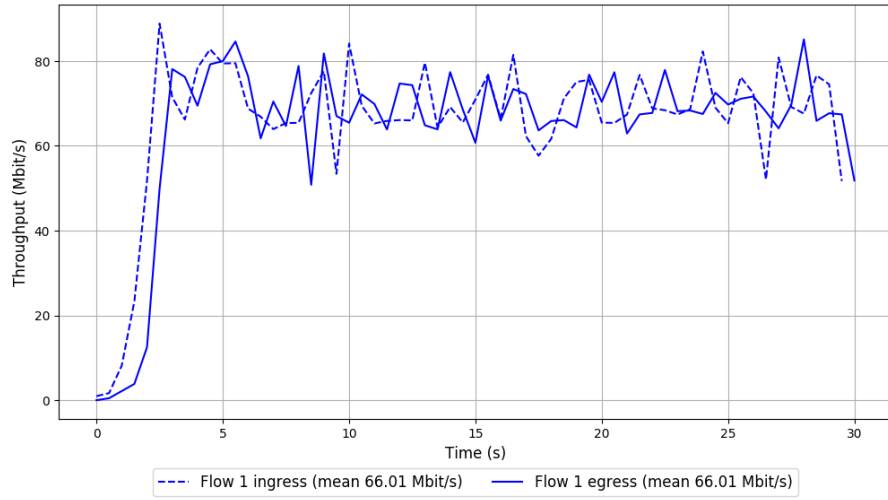


Run 1: Statistics of Indigo

Start at: 2019-05-30 05:36:56
End at: 2019-05-30 05:37:26
Local clock offset: -2.788 ms
Remote clock offset: -35.561 ms

Below is generated by plot.py at 2019-05-30 08:18:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.01 Mbit/s
95th percentile per-packet one-way delay: 126.004 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 66.01 Mbit/s
95th percentile per-packet one-way delay: 126.004 ms
Loss rate: 0.64%

Run 1: Report of Indigo — Data Link

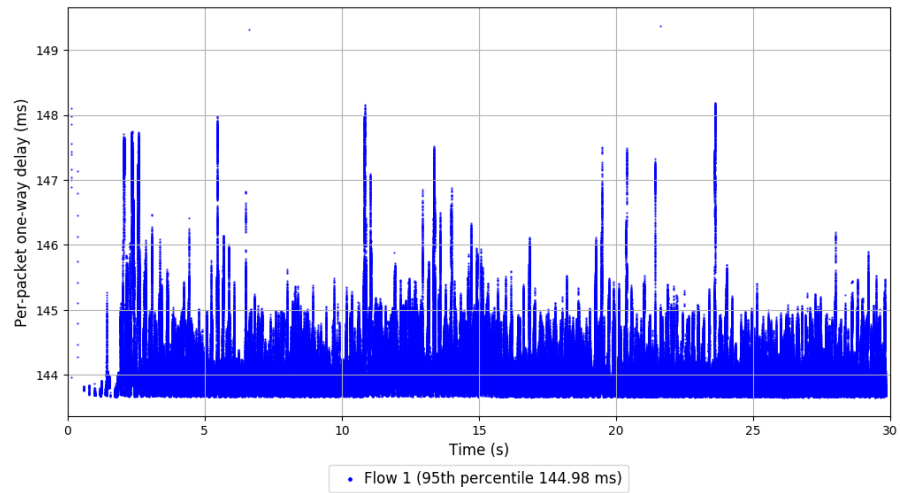
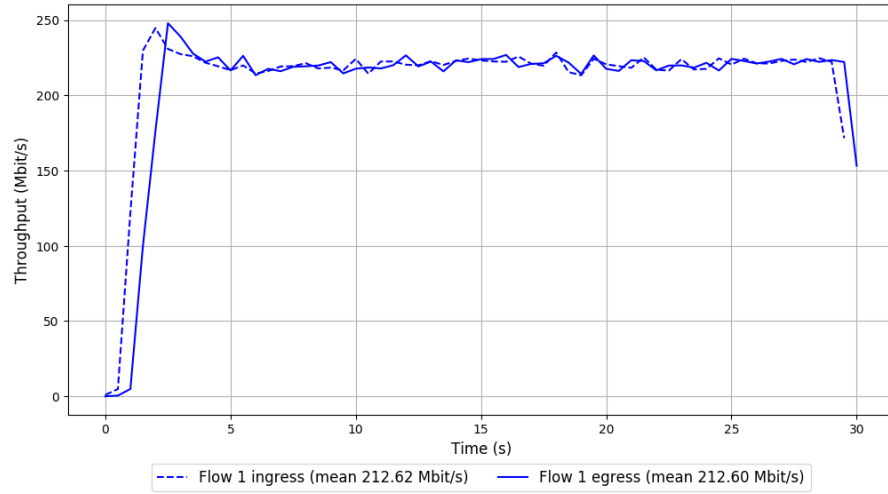


Run 2: Statistics of Indigo

Start at: 2019-05-30 06:04:53
End at: 2019-05-30 06:05:23
Local clock offset: 1.823 ms
Remote clock offset: -47.091 ms

Below is generated by plot.py at 2019-05-30 08:18:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 212.60 Mbit/s
95th percentile per-packet one-way delay: 144.980 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 212.60 Mbit/s
95th percentile per-packet one-way delay: 144.980 ms
Loss rate: 0.65%

Run 2: Report of Indigo — Data Link

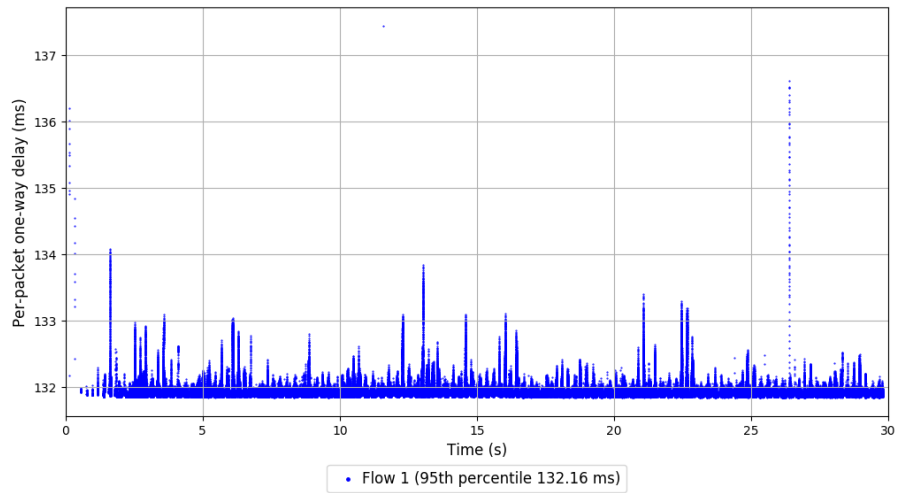
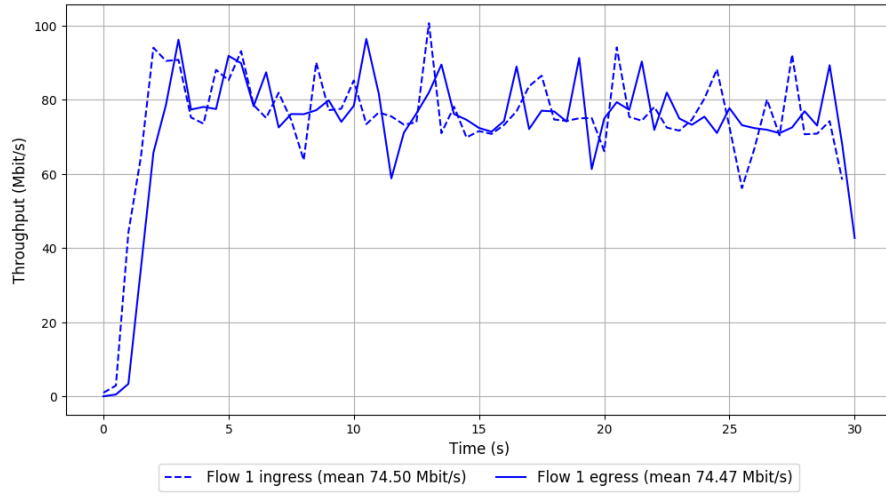


Run 3: Statistics of Indigo

Start at: 2019-05-30 06:33:08
End at: 2019-05-30 06:33:38
Local clock offset: -1.946 ms
Remote clock offset: -41.146 ms

Below is generated by plot.py at 2019-05-30 08:18:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.47 Mbit/s
95th percentile per-packet one-way delay: 132.162 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 74.47 Mbit/s
95th percentile per-packet one-way delay: 132.162 ms
Loss rate: 0.68%

Run 3: Report of Indigo — Data Link

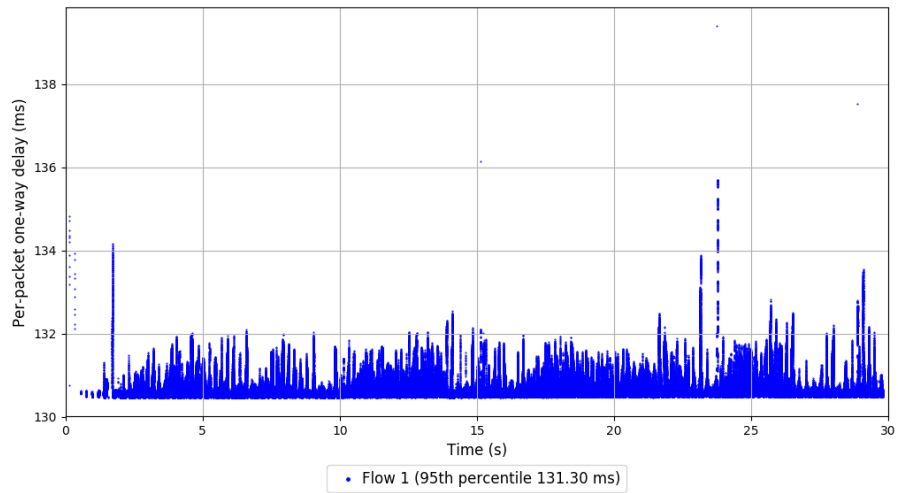
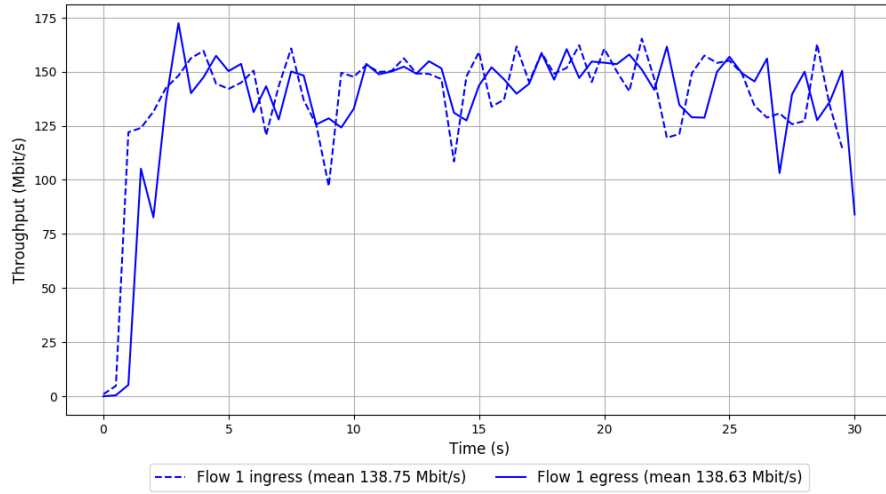


Run 4: Statistics of Indigo

Start at: 2019-05-30 07:01:16
End at: 2019-05-30 07:01:46
Local clock offset: 1.626 ms
Remote clock offset: -34.646 ms

Below is generated by plot.py at 2019-05-30 08:18:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 138.63 Mbit/s
95th percentile per-packet one-way delay: 131.303 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 138.63 Mbit/s
95th percentile per-packet one-way delay: 131.303 ms
Loss rate: 0.73%

Run 4: Report of Indigo — Data Link

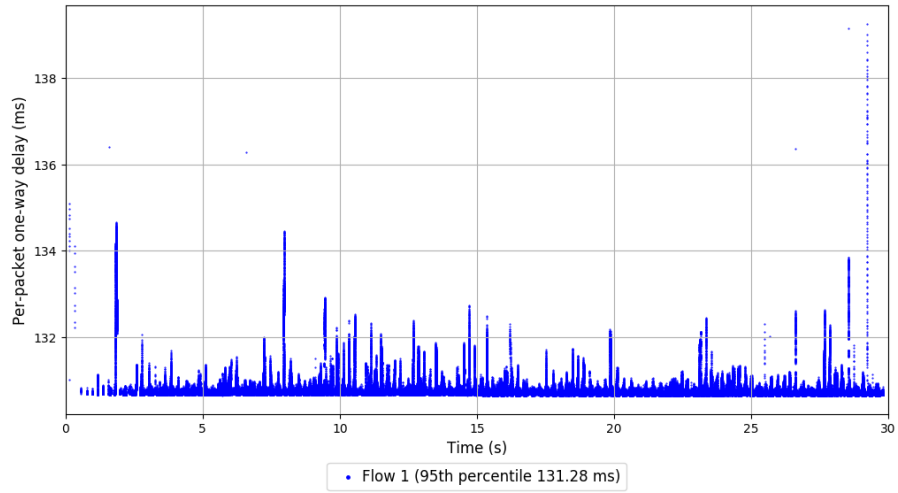
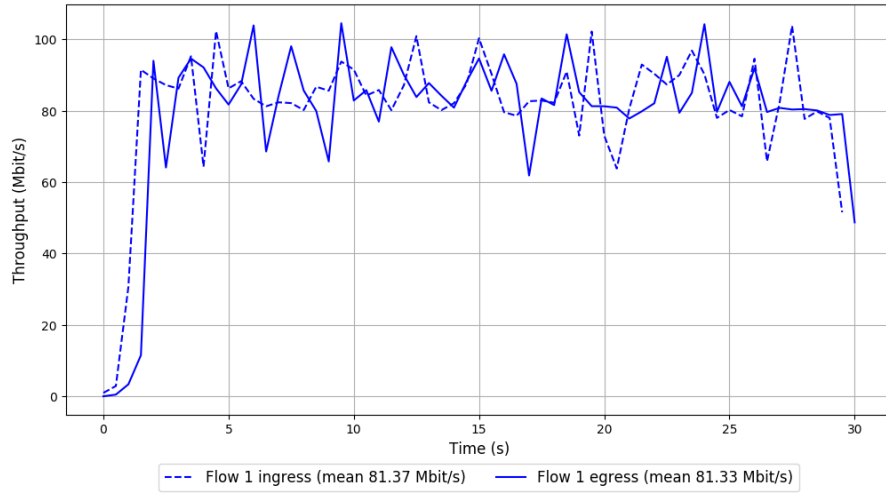


Run 5: Statistics of Indigo

Start at: 2019-05-30 07:29:35
End at: 2019-05-30 07:30:05
Local clock offset: -2.538 ms
Remote clock offset: -40.722 ms

Below is generated by plot.py at 2019-05-30 08:18:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.33 Mbit/s
95th percentile per-packet one-way delay: 131.280 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 81.33 Mbit/s
95th percentile per-packet one-way delay: 131.280 ms
Loss rate: 0.68%

Run 5: Report of Indigo — Data Link

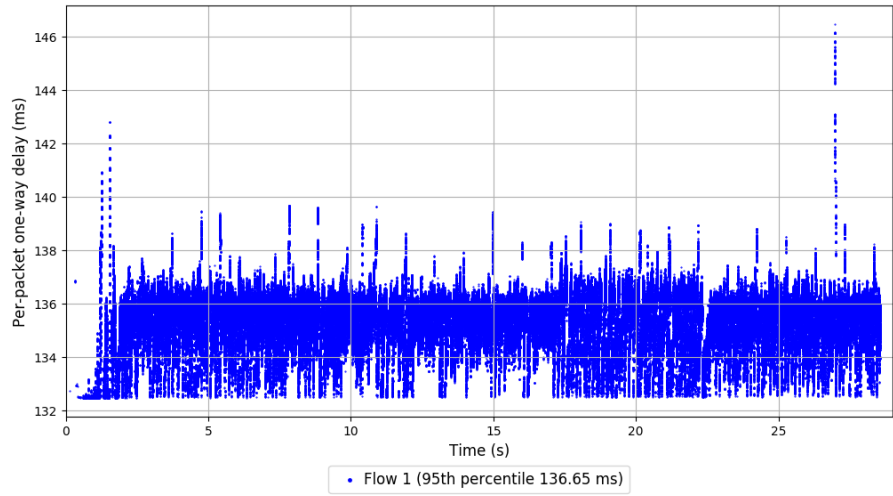
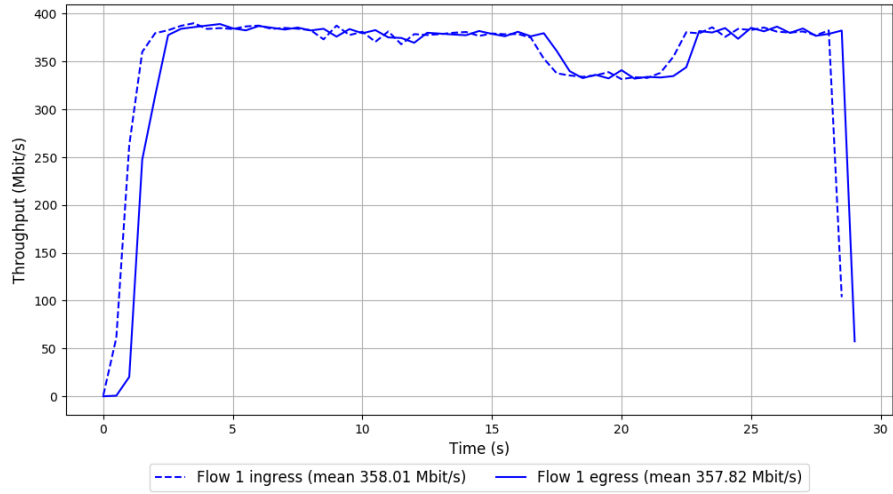


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-05-30 05:49:03
End at: 2019-05-30 05:49:33
Local clock offset: -3.721 ms
Remote clock offset: -42.356 ms

Below is generated by plot.py at 2019-05-30 08:18:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 357.82 Mbit/s
95th percentile per-packet one-way delay: 136.651 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 357.82 Mbit/s
95th percentile per-packet one-way delay: 136.651 ms
Loss rate: 0.73%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-05-30 06:17:11

End at: 2019-05-30 06:17:41

Local clock offset: 1.366 ms

Remote clock offset: -36.844 ms

Below is generated by plot.py at 2019-05-30 08:19:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 351.59 Mbit/s

95th percentile per-packet one-way delay: 135.719 ms

Loss rate: 0.72%

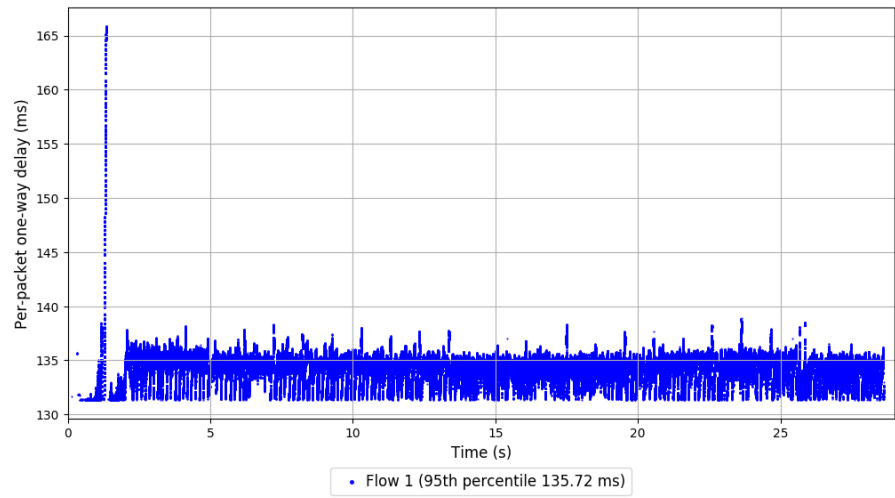
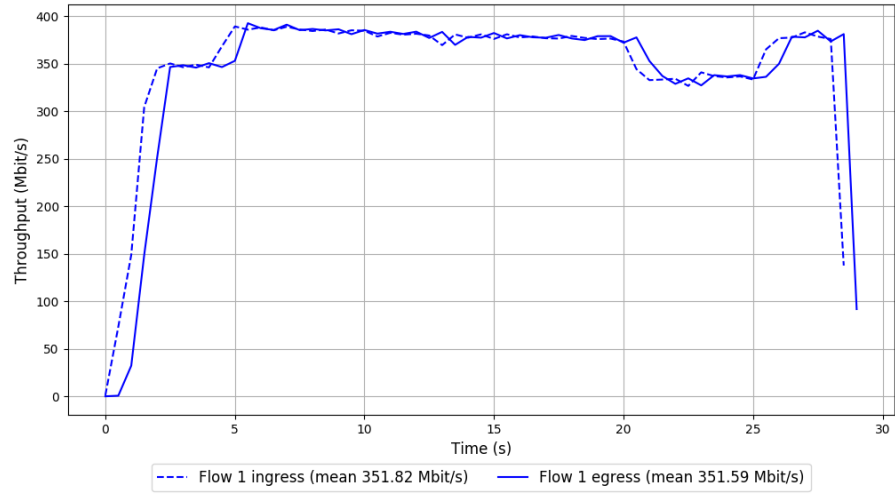
-- Flow 1:

Average throughput: 351.59 Mbit/s

95th percentile per-packet one-way delay: 135.719 ms

Loss rate: 0.72%

Run 2: Report of Indigo-MusesC3 — Data Link

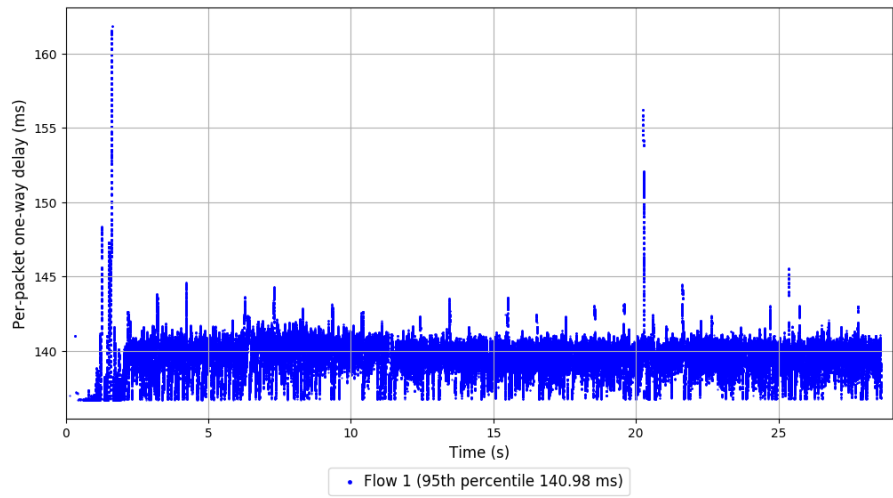
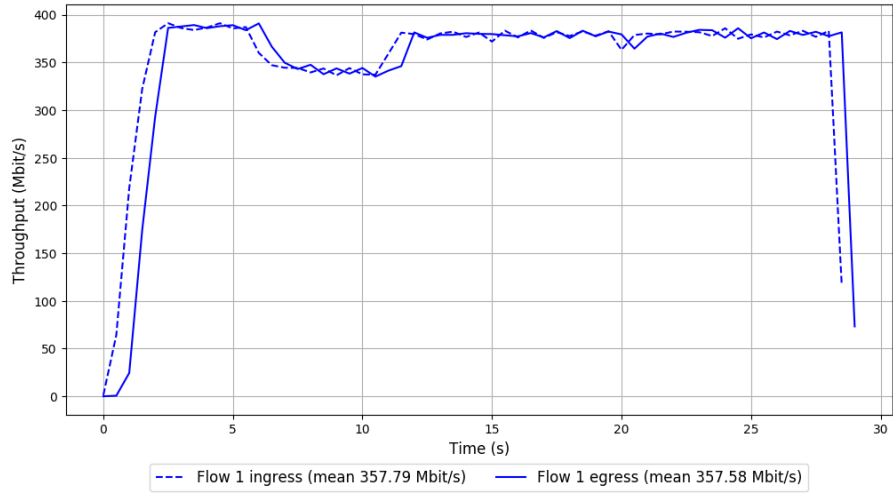


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-05-30 06:45:14
End at: 2019-05-30 06:45:44
Local clock offset: 1.113 ms
Remote clock offset: -42.109 ms

Below is generated by plot.py at 2019-05-30 08:19:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 357.58 Mbit/s
95th percentile per-packet one-way delay: 140.979 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 357.58 Mbit/s
95th percentile per-packet one-way delay: 140.979 ms
Loss rate: 0.74%

Run 3: Report of Indigo-MusesC3 — Data Link

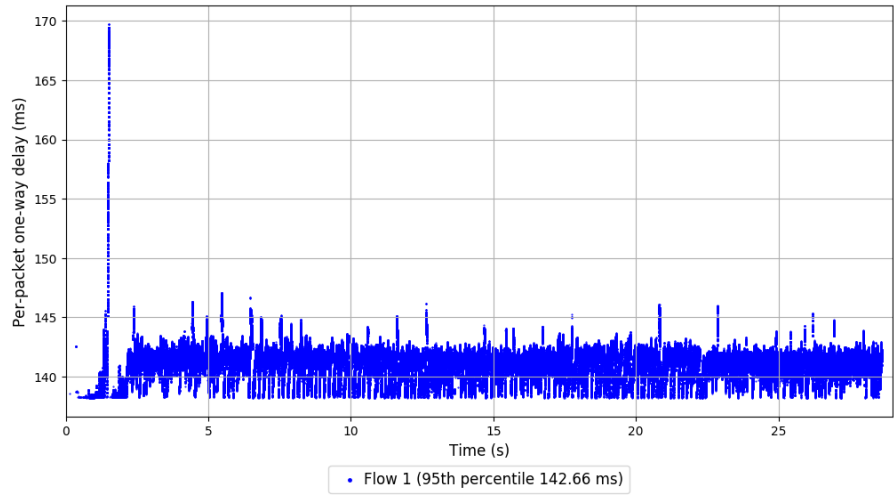
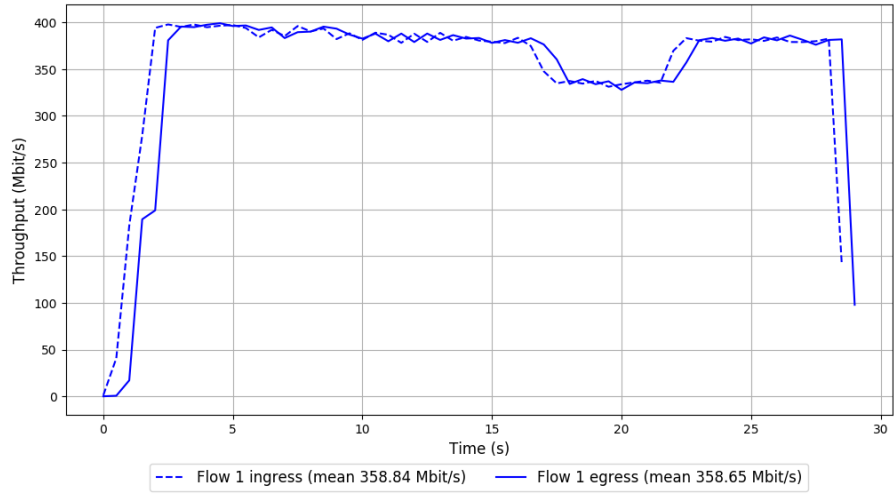


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-05-30 07:13:30
End at: 2019-05-30 07:14:00
Local clock offset: 2.022 ms
Remote clock offset: -42.721 ms

Below is generated by plot.py at 2019-05-30 08:19:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 358.65 Mbit/s
95th percentile per-packet one-way delay: 142.661 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 358.65 Mbit/s
95th percentile per-packet one-way delay: 142.661 ms
Loss rate: 0.73%

Run 4: Report of Indigo-MusesC3 — Data Link

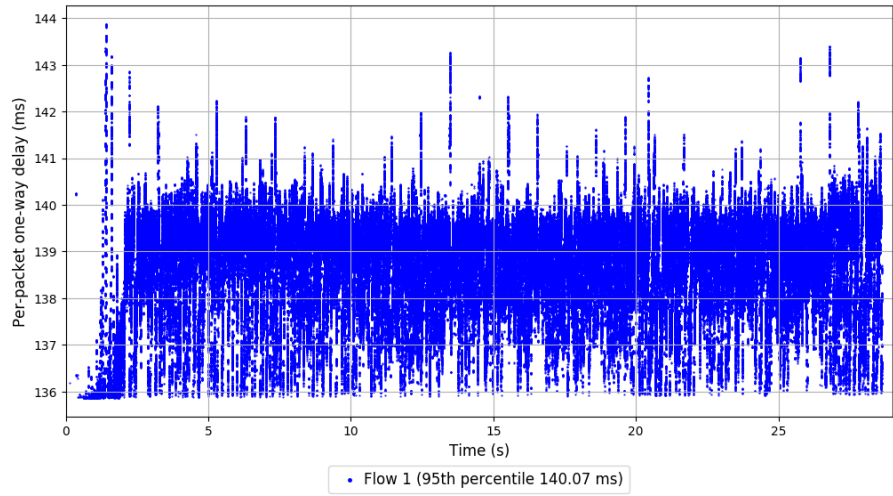
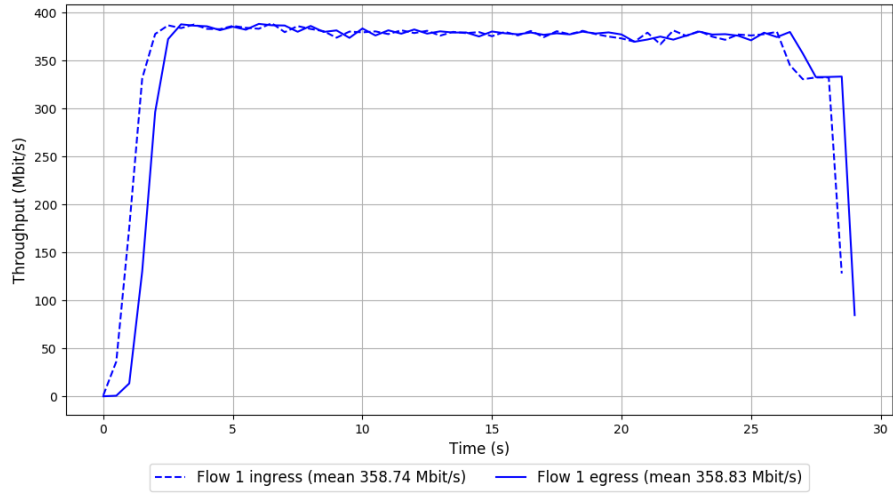


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-05-30 07:41:44
End at: 2019-05-30 07:42:14
Local clock offset: 1.951 ms
Remote clock offset: -40.994 ms

Below is generated by plot.py at 2019-05-30 08:19:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 358.83 Mbit/s
95th percentile per-packet one-way delay: 140.067 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 358.83 Mbit/s
95th percentile per-packet one-way delay: 140.067 ms
Loss rate: 0.65%

Run 5: Report of Indigo-MusesC3 — Data Link

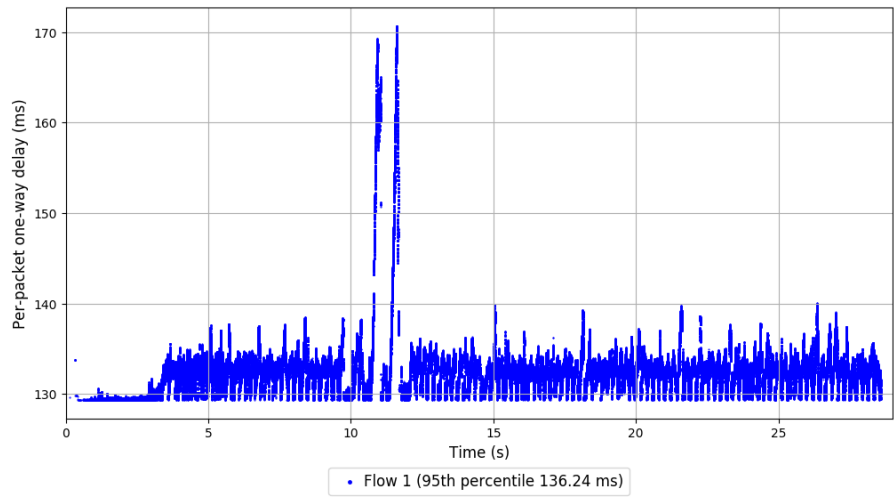
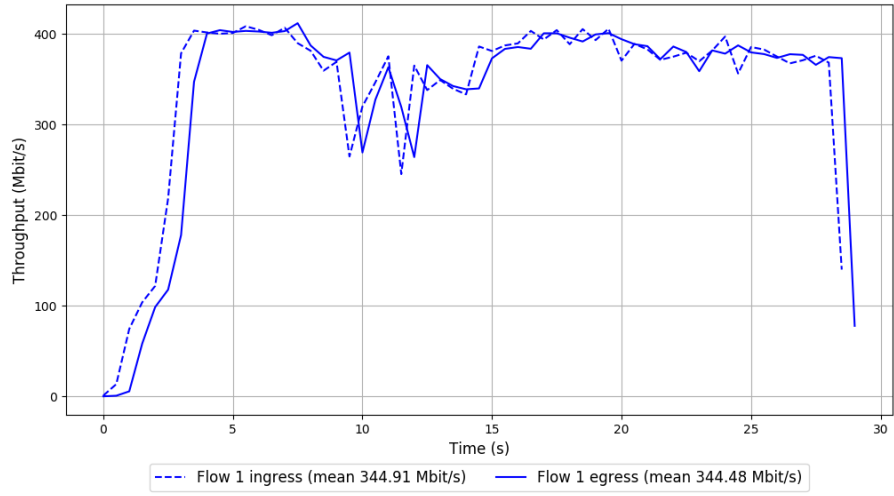


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-05-30 05:58:18
End at: 2019-05-30 05:58:48
Local clock offset: -3.196 ms
Remote clock offset: -38.076 ms

Below is generated by plot.py at 2019-05-30 08:19:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 344.48 Mbit/s
95th percentile per-packet one-way delay: 136.243 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 344.48 Mbit/s
95th percentile per-packet one-way delay: 136.243 ms
Loss rate: 0.80%

Run 1: Report of Indigo-MusesC5 — Data Link

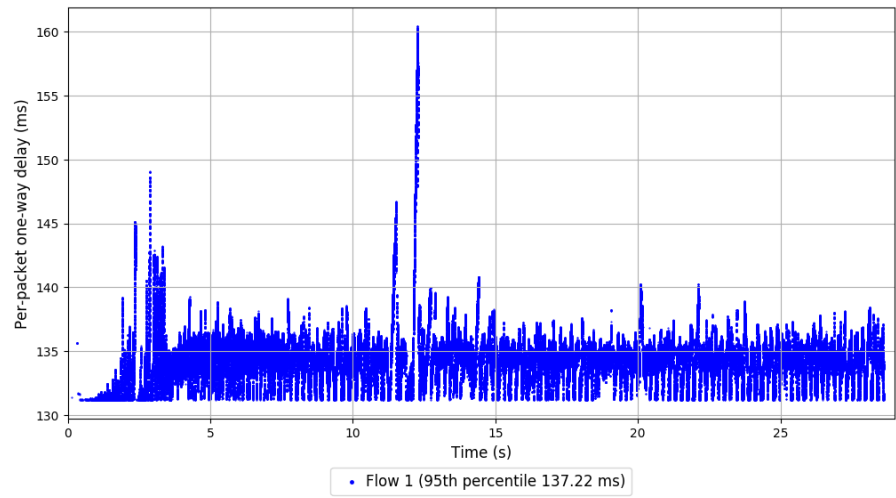
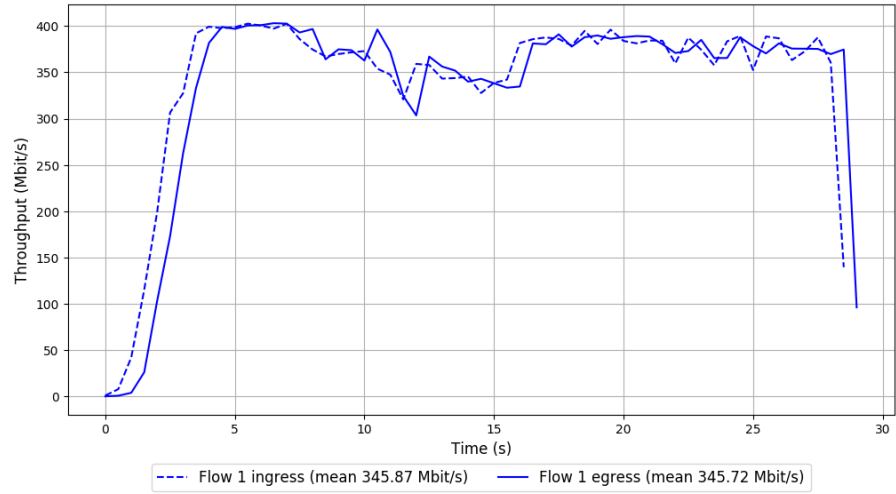


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-05-30 06:26:34
End at: 2019-05-30 06:27:05
Local clock offset: 2.036 ms
Remote clock offset: -36.402 ms

Below is generated by plot.py at 2019-05-30 08:21:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 345.72 Mbit/s
95th percentile per-packet one-way delay: 137.221 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 345.72 Mbit/s
95th percentile per-packet one-way delay: 137.221 ms
Loss rate: 0.72%

Run 2: Report of Indigo-MusesC5 — Data Link

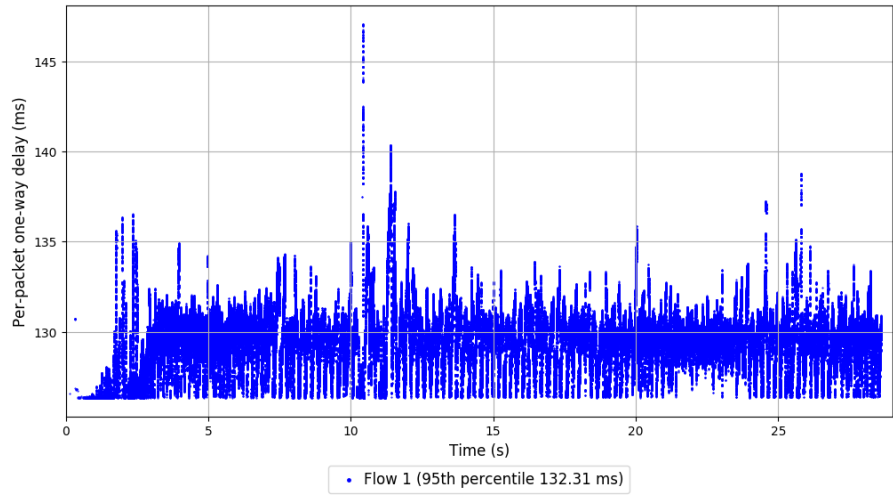
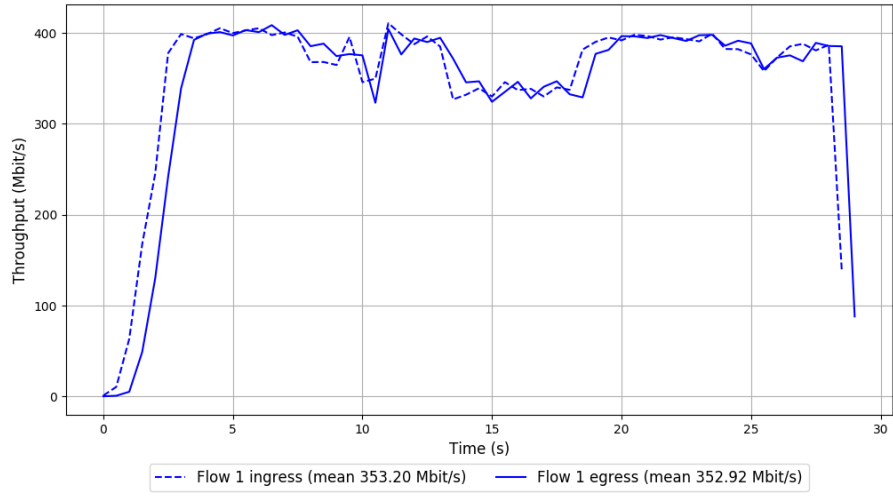


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-05-30 06:54:42
End at: 2019-05-30 06:55:12
Local clock offset: -2.853 ms
Remote clock offset: -35.168 ms

Below is generated by plot.py at 2019-05-30 08:22:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 352.92 Mbit/s
95th percentile per-packet one-way delay: 132.306 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 352.92 Mbit/s
95th percentile per-packet one-way delay: 132.306 ms
Loss rate: 0.76%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-05-30 07:23:00

End at: 2019-05-30 07:23:30

Local clock offset: 1.864 ms

Remote clock offset: -39.163 ms

Below is generated by plot.py at 2019-05-30 08:22:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 357.27 Mbit/s

95th percentile per-packet one-way delay: 140.142 ms

Loss rate: 0.74%

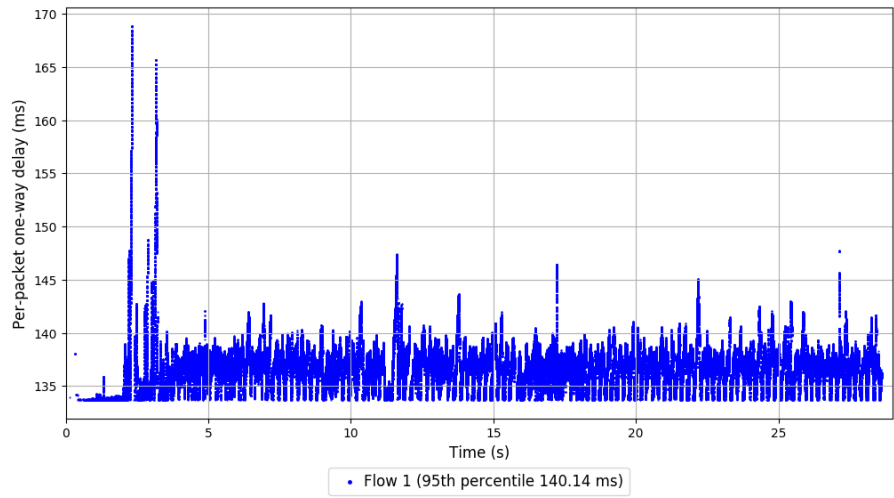
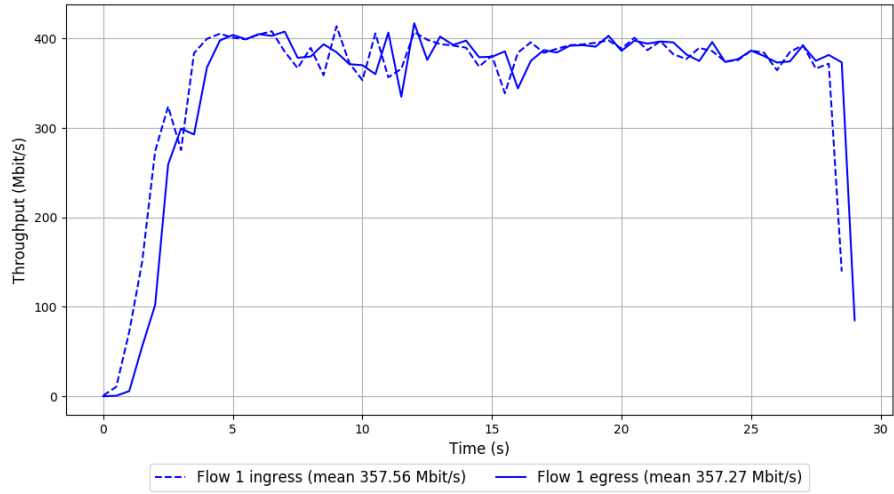
-- Flow 1:

Average throughput: 357.27 Mbit/s

95th percentile per-packet one-way delay: 140.142 ms

Loss rate: 0.74%

Run 4: Report of Indigo-MusesC5 — Data Link

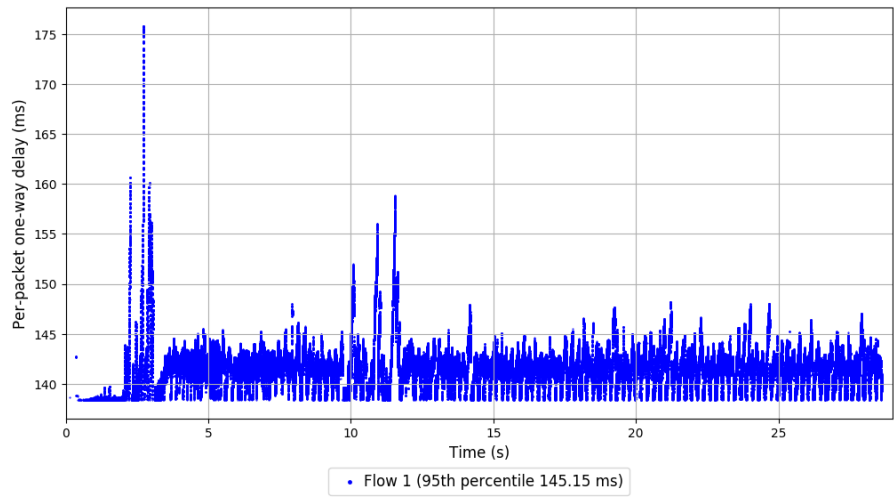
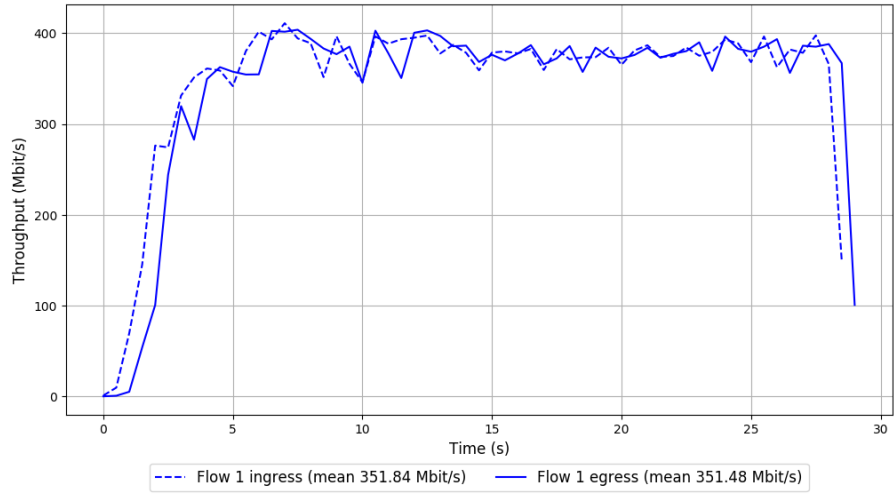


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-05-30 07:51:14
End at: 2019-05-30 07:51:45
Local clock offset: 1.991 ms
Remote clock offset: -42.787 ms

Below is generated by plot.py at 2019-05-30 08:23:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 351.48 Mbit/s
95th percentile per-packet one-way delay: 145.149 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 351.48 Mbit/s
95th percentile per-packet one-way delay: 145.149 ms
Loss rate: 0.78%

Run 5: Report of Indigo-MusesC5 — Data Link

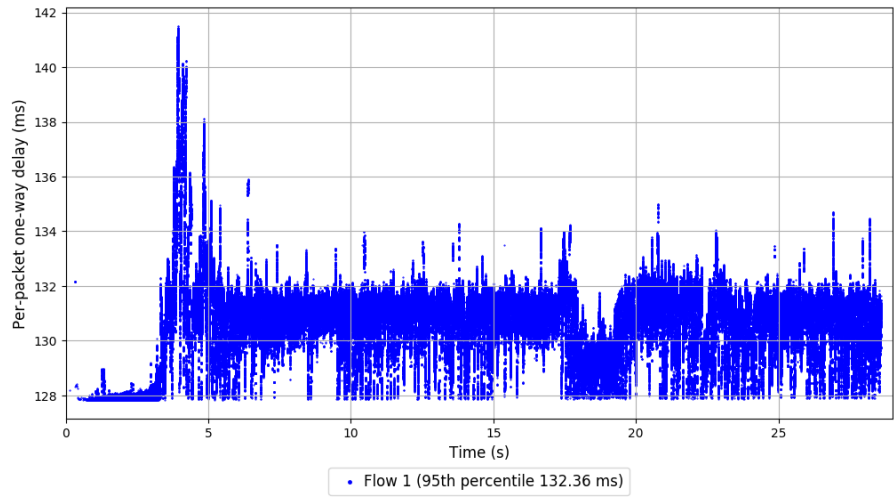
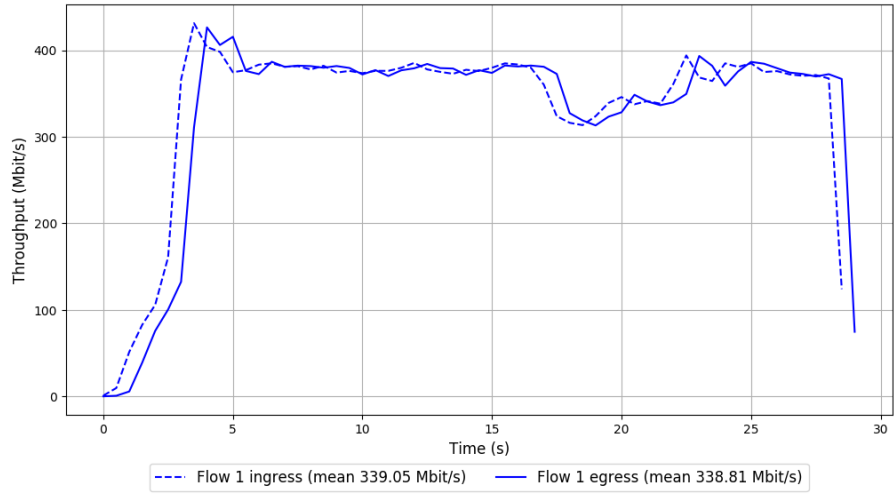


Run 1: Statistics of Indigo-MusesD

Start at: 2019-05-30 05:50:29
End at: 2019-05-30 05:50:59
Local clock offset: -2.451 ms
Remote clock offset: -36.292 ms

Below is generated by plot.py at 2019-05-30 08:23:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 338.81 Mbit/s
95th percentile per-packet one-way delay: 132.356 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 338.81 Mbit/s
95th percentile per-packet one-way delay: 132.356 ms
Loss rate: 0.75%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-05-30 06:18:36

End at: 2019-05-30 06:19:06

Local clock offset: 1.967 ms

Remote clock offset: -37.403 ms

Below is generated by plot.py at 2019-05-30 08:23:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 340.95 Mbit/s

95th percentile per-packet one-way delay: 136.872 ms

Loss rate: 0.74%

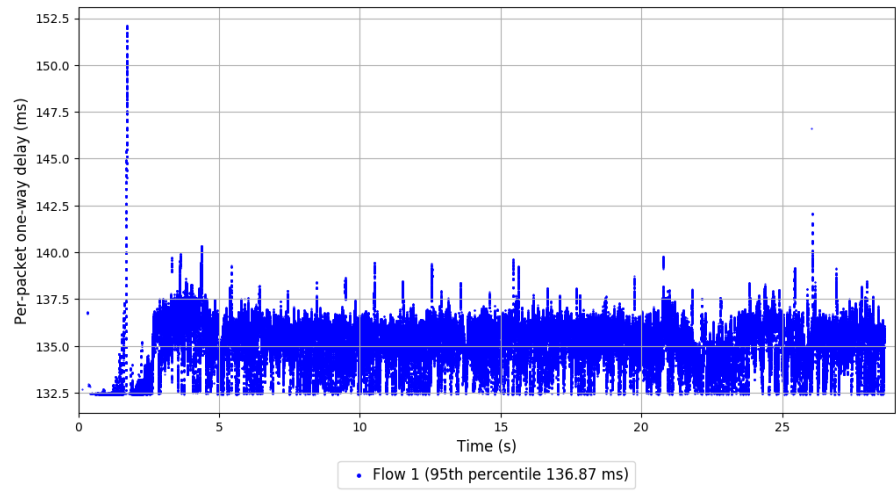
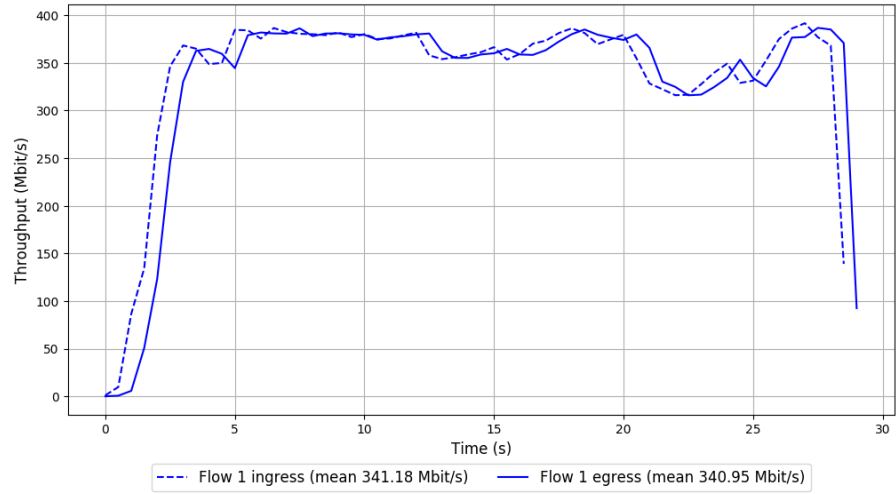
-- Flow 1:

Average throughput: 340.95 Mbit/s

95th percentile per-packet one-way delay: 136.872 ms

Loss rate: 0.74%

Run 2: Report of Indigo-MusesD — Data Link

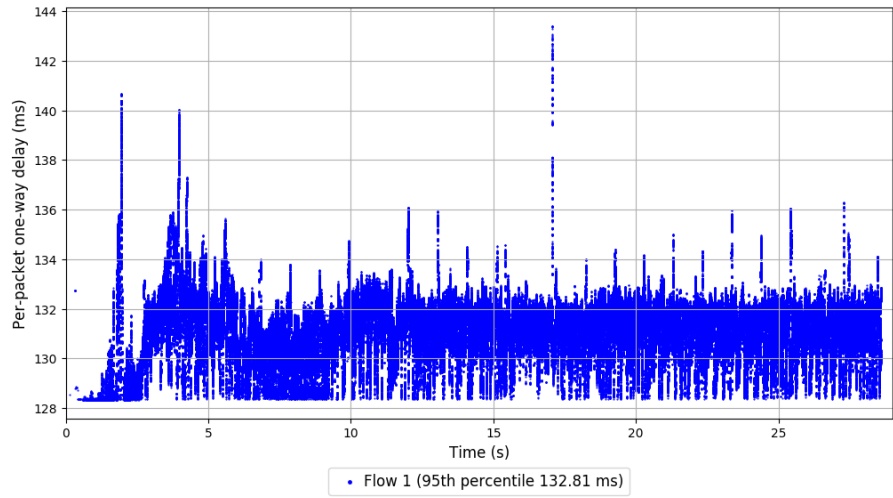
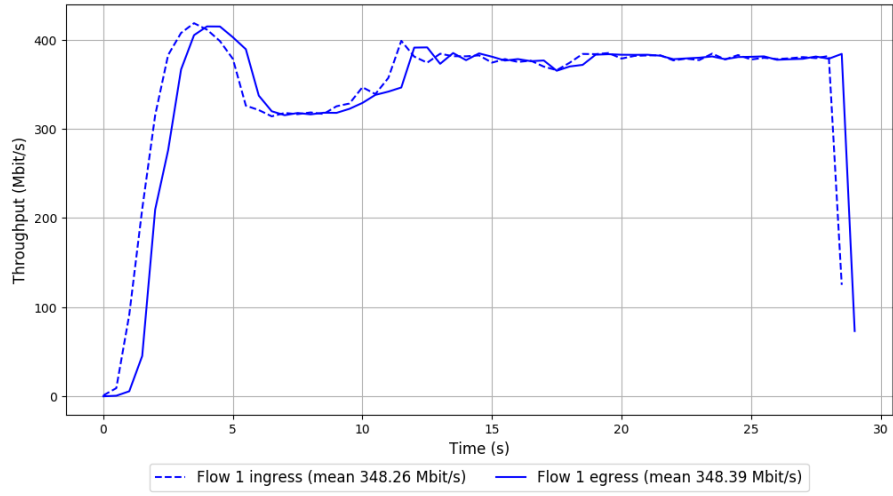


Run 3: Statistics of Indigo-MusesD

Start at: 2019-05-30 06:46:40
End at: 2019-05-30 06:47:10
Local clock offset: -2.476 ms
Remote clock offset: -37.285 ms

Below is generated by plot.py at 2019-05-30 08:23:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 348.39 Mbit/s
95th percentile per-packet one-way delay: 132.814 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 348.39 Mbit/s
95th percentile per-packet one-way delay: 132.814 ms
Loss rate: 0.75%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-05-30 07:14:56

End at: 2019-05-30 07:15:26

Local clock offset: 1.93 ms

Remote clock offset: -46.96 ms

Below is generated by plot.py at 2019-05-30 08:23:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 356.19 Mbit/s

95th percentile per-packet one-way delay: 146.663 ms

Loss rate: 0.73%

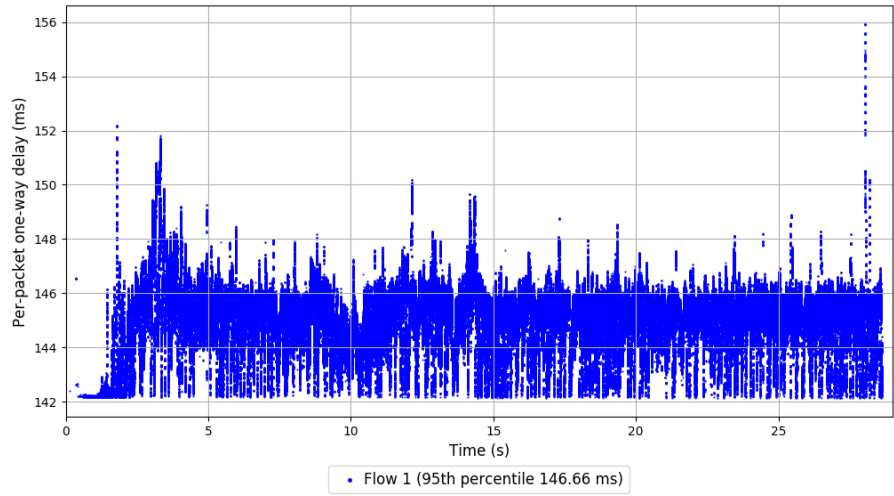
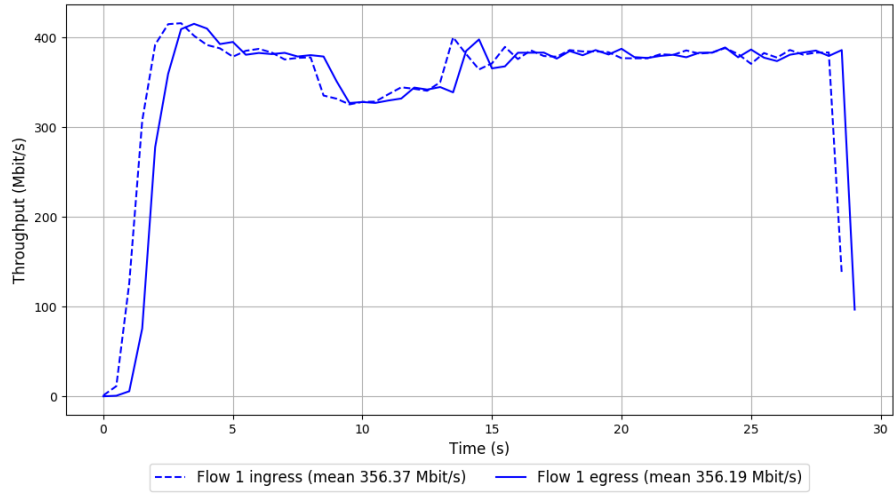
-- Flow 1:

Average throughput: 356.19 Mbit/s

95th percentile per-packet one-way delay: 146.663 ms

Loss rate: 0.73%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-05-30 07:43:09

End at: 2019-05-30 07:43:39

Local clock offset: 1.902 ms

Remote clock offset: -44.643 ms

Below is generated by plot.py at 2019-05-30 08:26:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 362.92 Mbit/s

95th percentile per-packet one-way delay: 144.175 ms

Loss rate: 0.71%

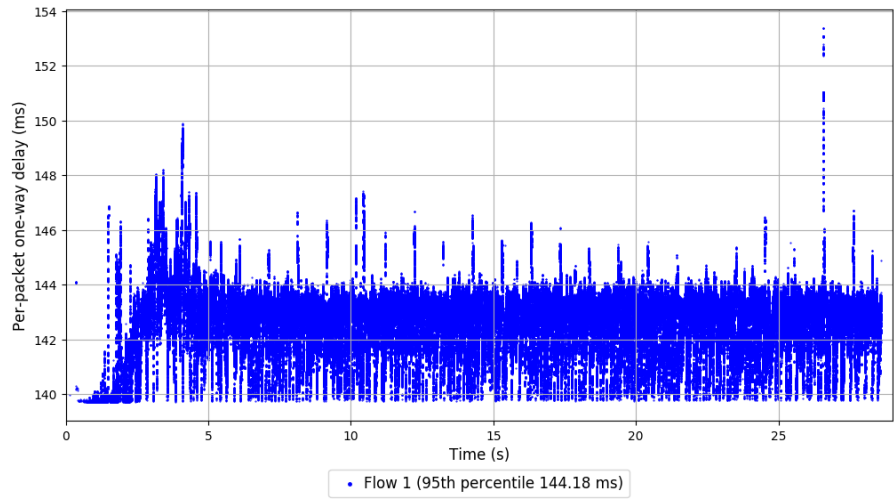
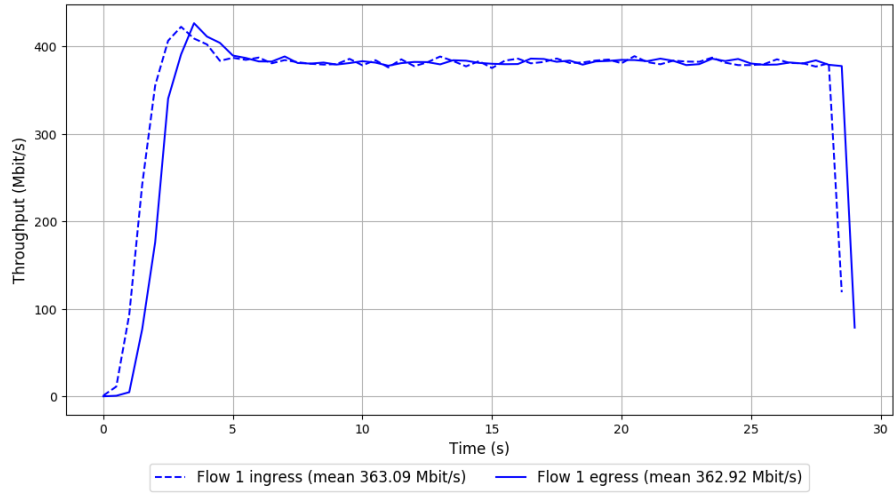
-- Flow 1:

Average throughput: 362.92 Mbit/s

95th percentile per-packet one-way delay: 144.175 ms

Loss rate: 0.71%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MuseST

Start at: 2019-05-30 06:02:17

End at: 2019-05-30 06:02:47

Local clock offset: -2.908 ms

Remote clock offset: -37.675 ms

Below is generated by plot.py at 2019-05-30 08:26:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 359.63 Mbit/s

95th percentile per-packet one-way delay: 133.321 ms

Loss rate: 0.72%

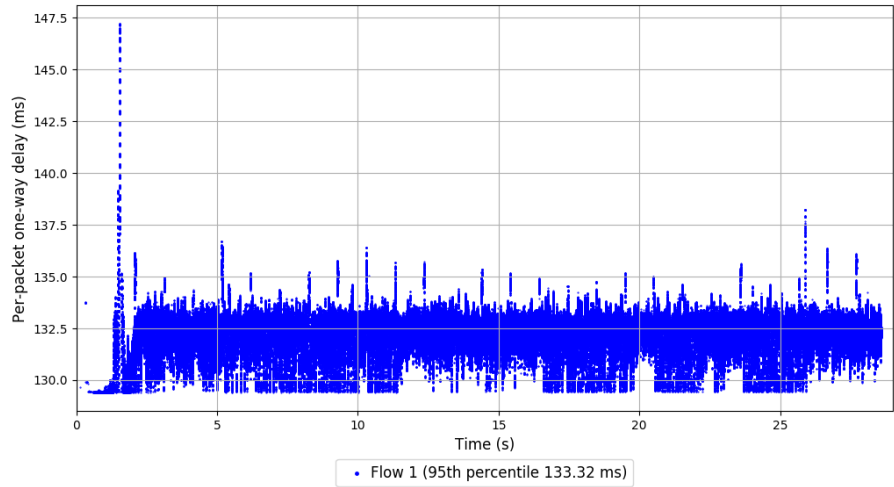
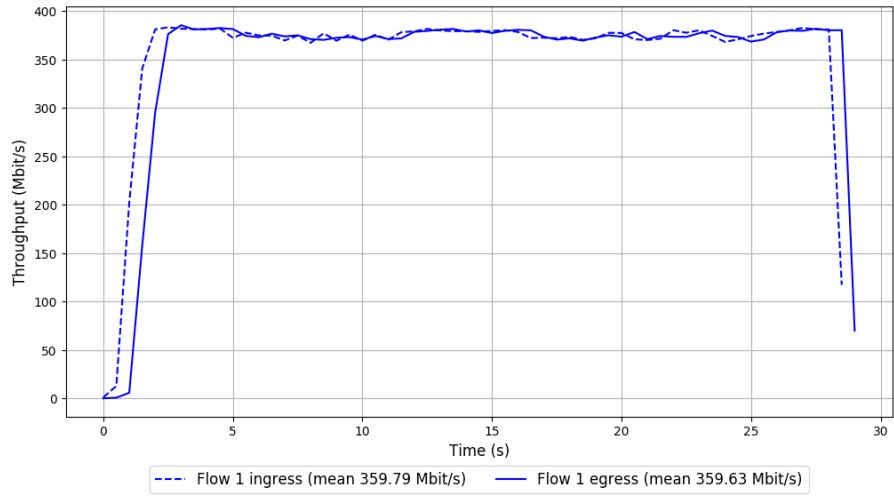
-- Flow 1:

Average throughput: 359.63 Mbit/s

95th percentile per-packet one-way delay: 133.321 ms

Loss rate: 0.72%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MuseST

Start at: 2019-05-30 06:30:33

End at: 2019-05-30 06:31:03

Local clock offset: 2.726 ms

Remote clock offset: -35.738 ms

Below is generated by plot.py at 2019-05-30 08:26:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 347.96 Mbit/s

95th percentile per-packet one-way delay: 135.378 ms

Loss rate: 0.72%

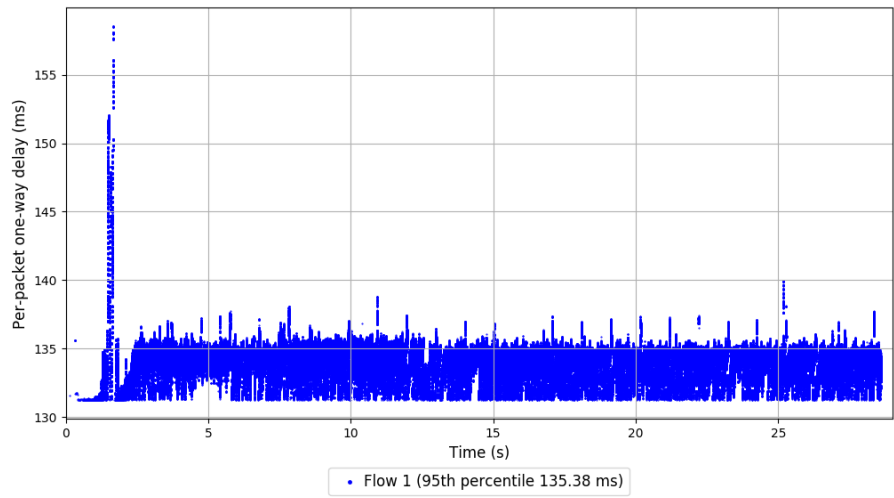
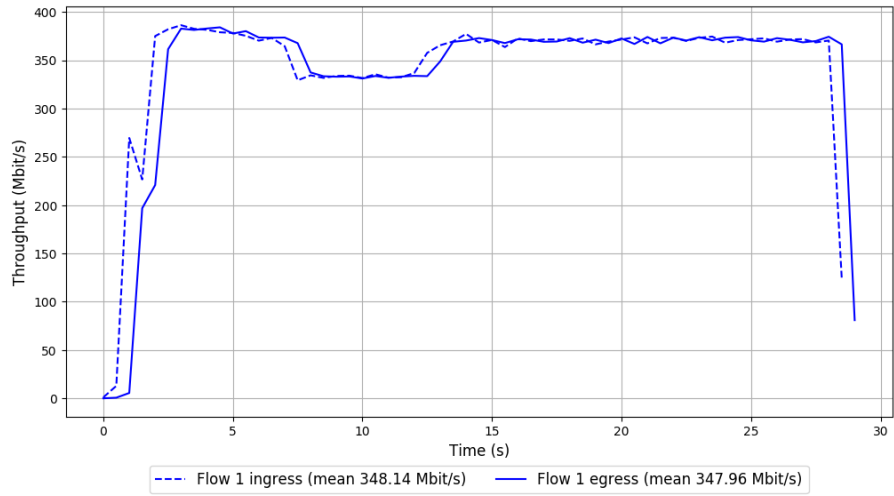
-- Flow 1:

Average throughput: 347.96 Mbit/s

95th percentile per-packet one-way delay: 135.378 ms

Loss rate: 0.72%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MuseST

Start at: 2019-05-30 06:58:40

End at: 2019-05-30 06:59:11

Local clock offset: 1.968 ms

Remote clock offset: -43.689 ms

Below is generated by plot.py at 2019-05-30 08:26:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 352.94 Mbit/s

95th percentile per-packet one-way delay: 143.811 ms

Loss rate: 0.74%

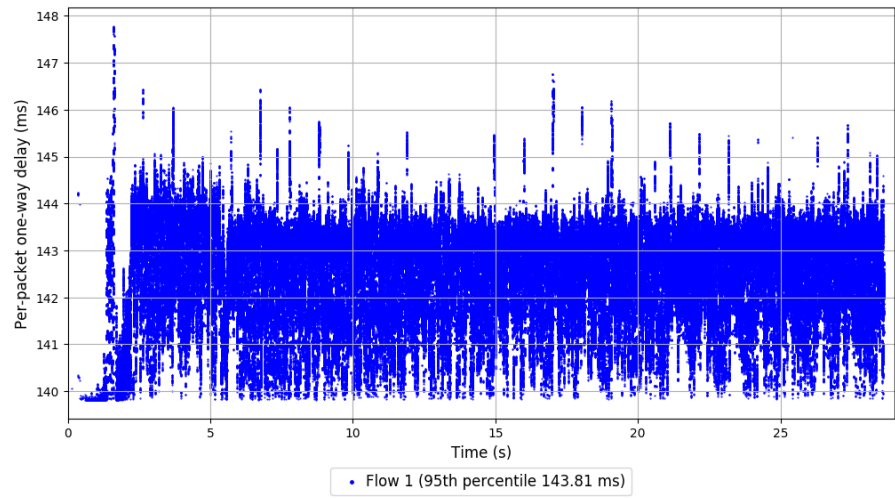
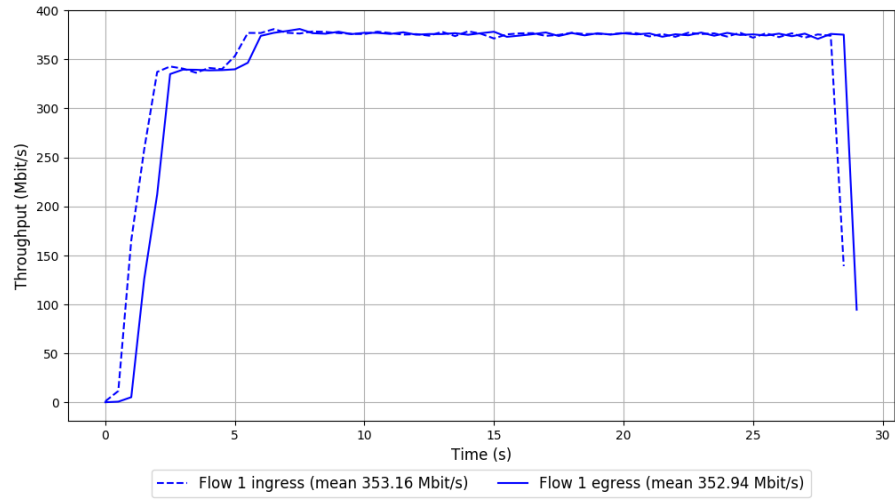
-- Flow 1:

Average throughput: 352.94 Mbit/s

95th percentile per-packet one-way delay: 143.811 ms

Loss rate: 0.74%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MuseST

Start at: 2019-05-30 07:26:59

End at: 2019-05-30 07:27:29

Local clock offset: 2.712 ms

Remote clock offset: -41.306 ms

Below is generated by plot.py at 2019-05-30 08:26:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 345.70 Mbit/s

95th percentile per-packet one-way delay: 140.768 ms

Loss rate: 0.74%

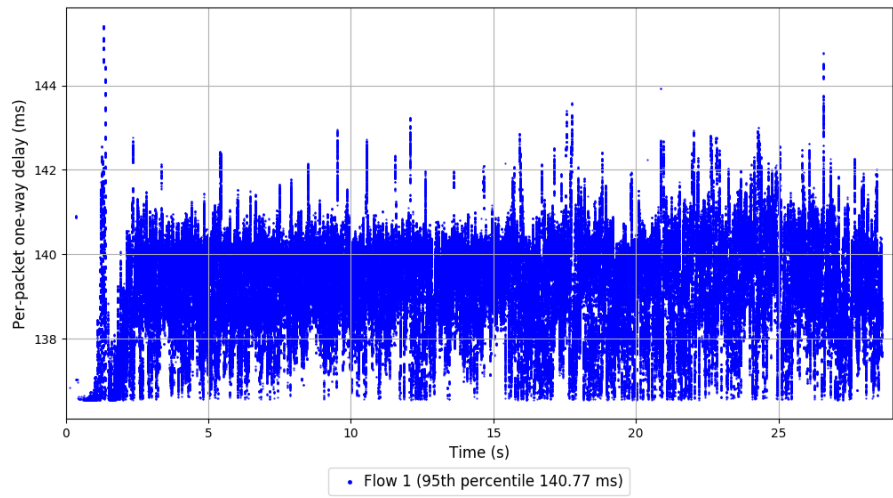
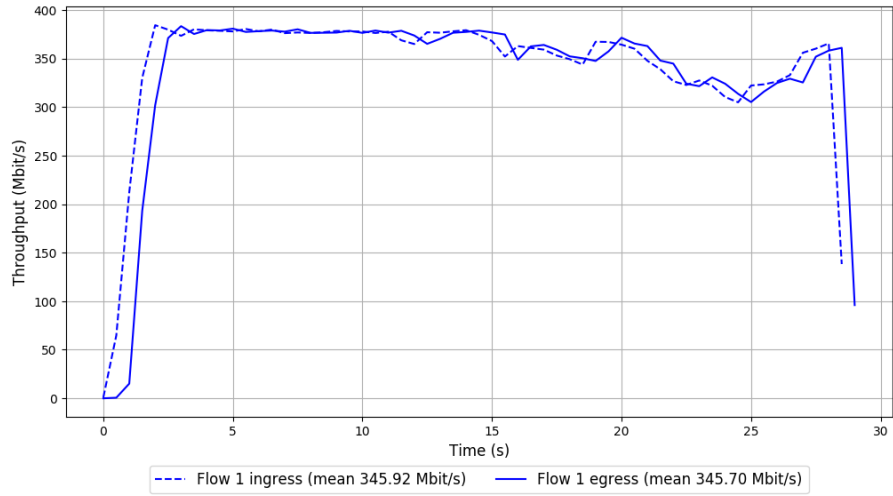
-- Flow 1:

Average throughput: 345.70 Mbit/s

95th percentile per-packet one-way delay: 140.768 ms

Loss rate: 0.74%

Run 4: Report of Indigo-MusesT — Data Link

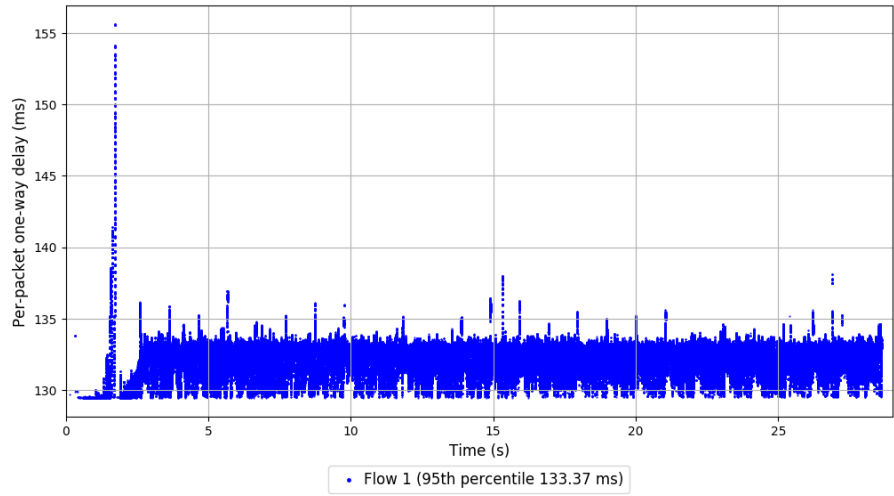
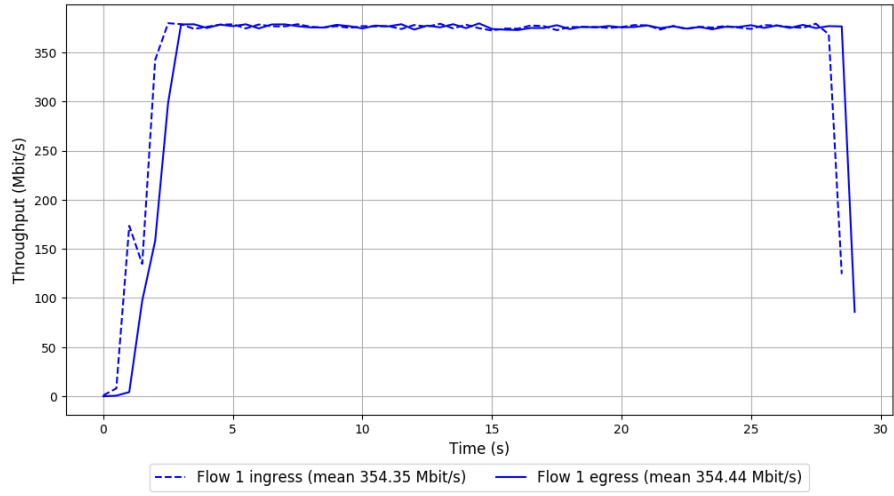


Run 5: Statistics of Indigo-MuseST

Start at: 2019-05-30 07:55:13
End at: 2019-05-30 07:55:43
Local clock offset: -2.839 ms
Remote clock offset: -38.499 ms

Below is generated by plot.py at 2019-05-30 08:27:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 354.44 Mbit/s
95th percentile per-packet one-way delay: 133.369 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 354.44 Mbit/s
95th percentile per-packet one-way delay: 133.369 ms
Loss rate: 0.65%

Run 5: Report of Indigo-MusesT — Data Link

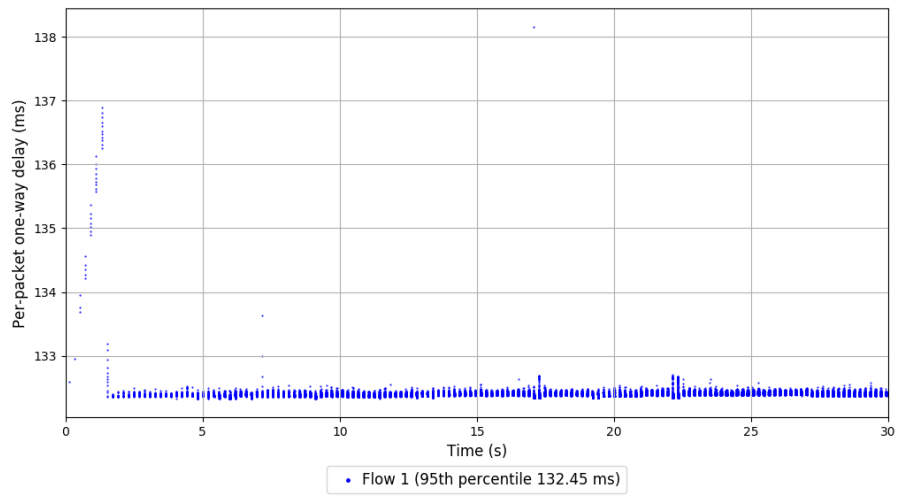
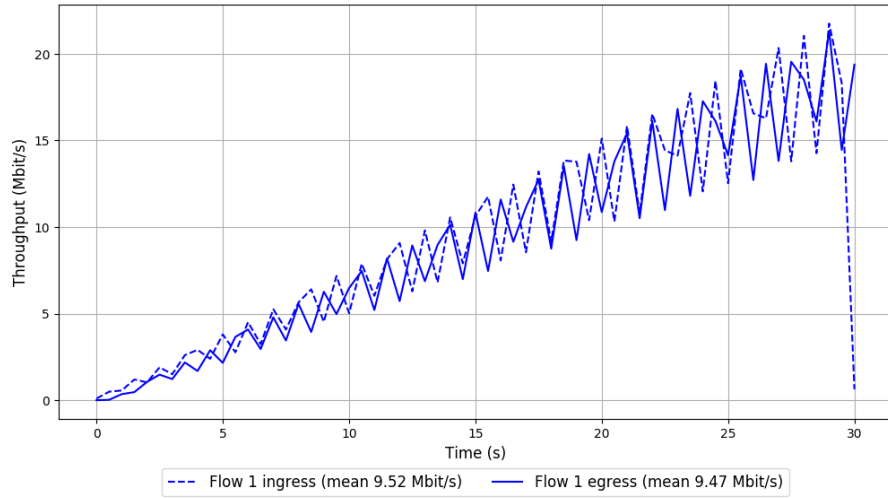


Run 1: Statistics of LEDBAT

Start at: 2019-05-30 05:51:54
End at: 2019-05-30 05:52:24
Local clock offset: -3.188 ms
Remote clock offset: -41.427 ms

Below is generated by plot.py at 2019-05-30 08:27:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.47 Mbit/s
95th percentile per-packet one-way delay: 132.448 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 9.47 Mbit/s
95th percentile per-packet one-way delay: 132.448 ms
Loss rate: 1.20%

Run 1: Report of LEDBAT — Data Link

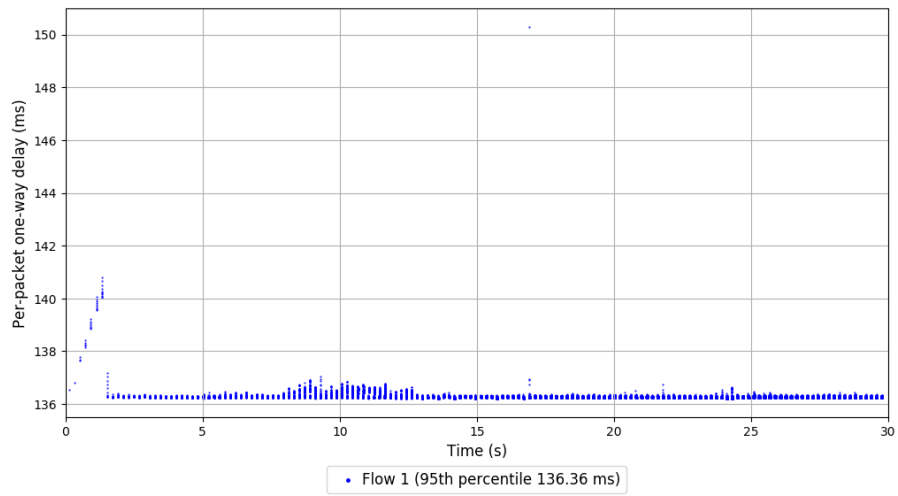
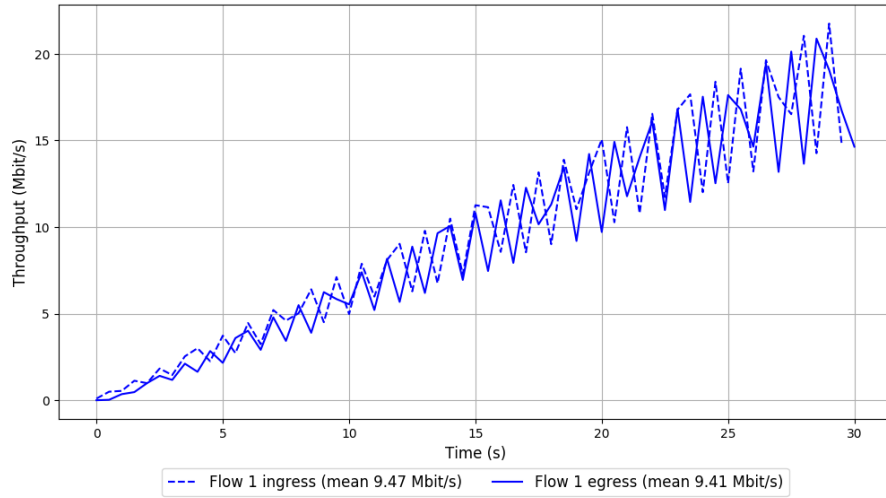


Run 2: Statistics of LEDBAT

Start at: 2019-05-30 06:20:01
End at: 2019-05-30 06:20:31
Local clock offset: 1.878 ms
Remote clock offset: -41.37 ms

Below is generated by plot.py at 2019-05-30 08:27:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.41 Mbit/s
95th percentile per-packet one-way delay: 136.356 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 9.41 Mbit/s
95th percentile per-packet one-way delay: 136.356 ms
Loss rate: 1.31%

Run 2: Report of LEDBAT — Data Link

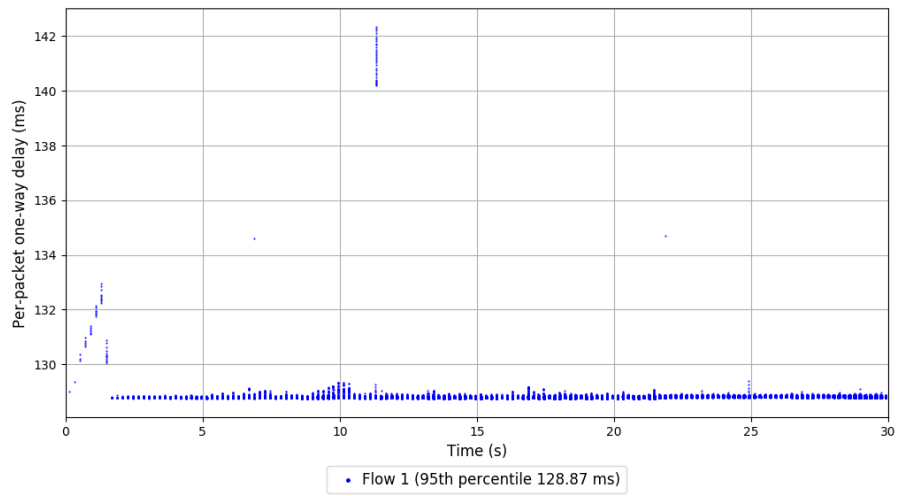
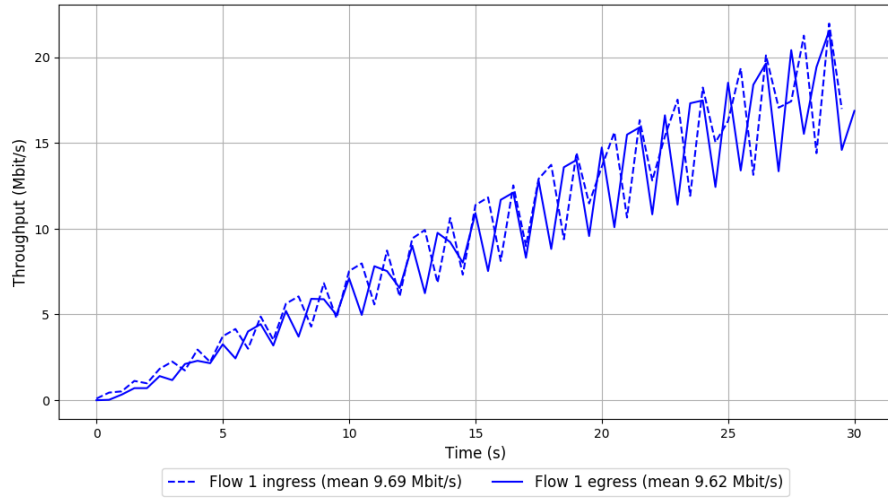


Run 3: Statistics of LEDBAT

Start at: 2019-05-30 06:48:05
End at: 2019-05-30 06:48:35
Local clock offset: 1.567 ms
Remote clock offset: -33.498 ms

Below is generated by plot.py at 2019-05-30 08:27:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.62 Mbit/s
95th percentile per-packet one-way delay: 128.872 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 9.62 Mbit/s
95th percentile per-packet one-way delay: 128.872 ms
Loss rate: 1.29%

Run 3: Report of LEDBAT — Data Link

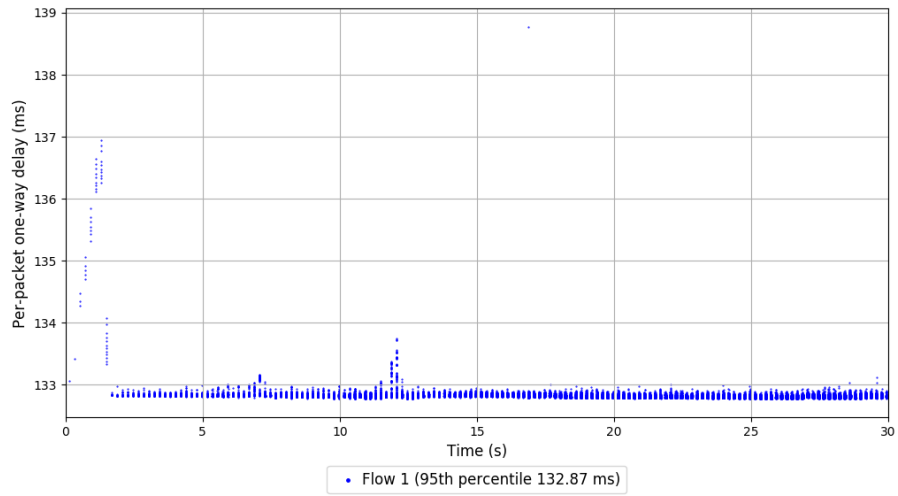
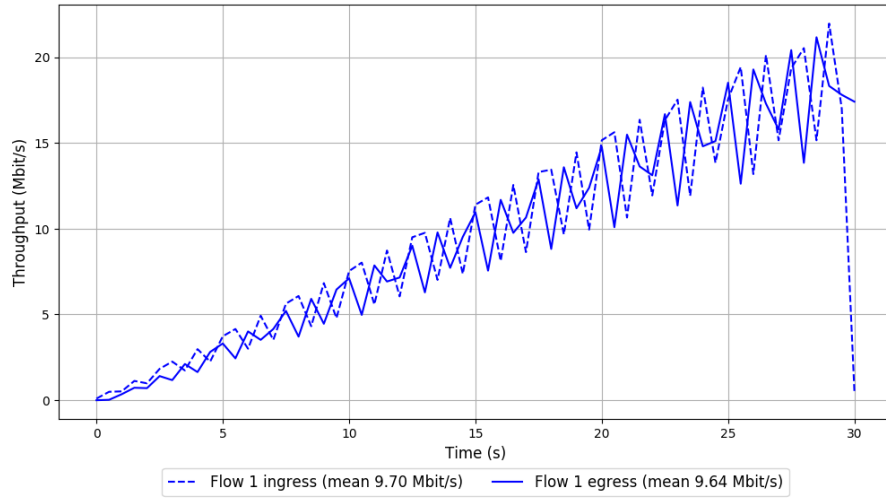


Run 4: Statistics of LEDBAT

Start at: 2019-05-30 07:16:21
End at: 2019-05-30 07:16:51
Local clock offset: -2.46 ms
Remote clock offset: -42.12 ms

Below is generated by plot.py at 2019-05-30 08:27:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.64 Mbit/s
95th percentile per-packet one-way delay: 132.872 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 9.64 Mbit/s
95th percentile per-packet one-way delay: 132.872 ms
Loss rate: 1.29%

Run 4: Report of LEDBAT — Data Link

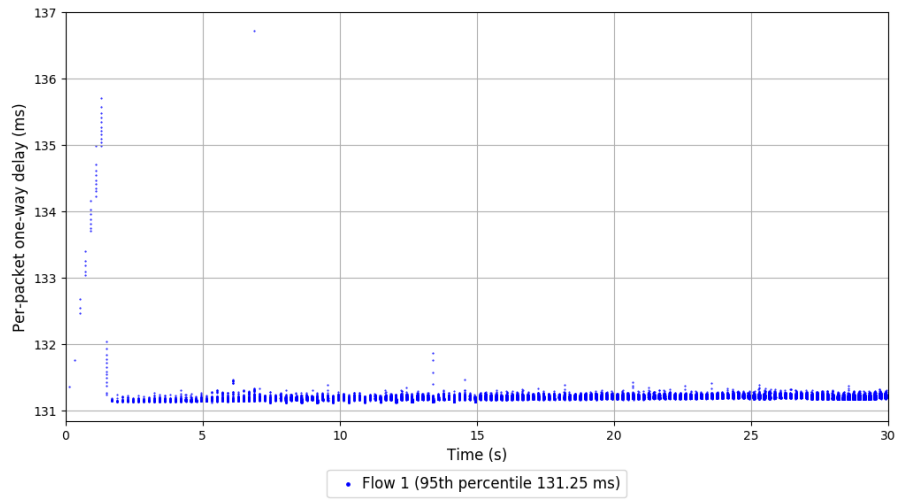
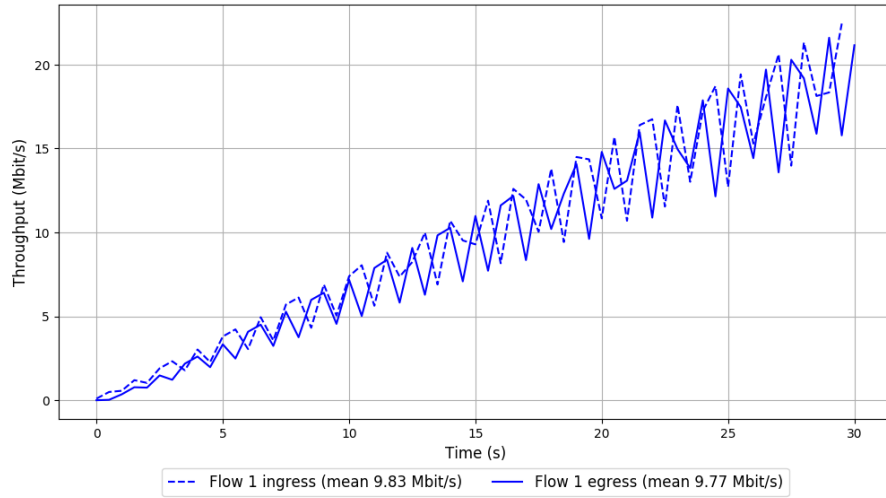


Run 5: Statistics of LEDBAT

Start at: 2019-05-30 07:44:35
End at: 2019-05-30 07:45:05
Local clock offset: -1.704 ms
Remote clock offset: -39.492 ms

Below is generated by plot.py at 2019-05-30 08:27:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.77 Mbit/s
95th percentile per-packet one-way delay: 131.251 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 9.77 Mbit/s
95th percentile per-packet one-way delay: 131.251 ms
Loss rate: 1.28%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-05-30 05:55:32

End at: 2019-05-30 05:56:02

Local clock offset: -3.289 ms

Remote clock offset: -34.642 ms

Below is generated by plot.py at 2019-05-30 08:28:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 378.78 Mbit/s

95th percentile per-packet one-way delay: 212.946 ms

Loss rate: 0.81%

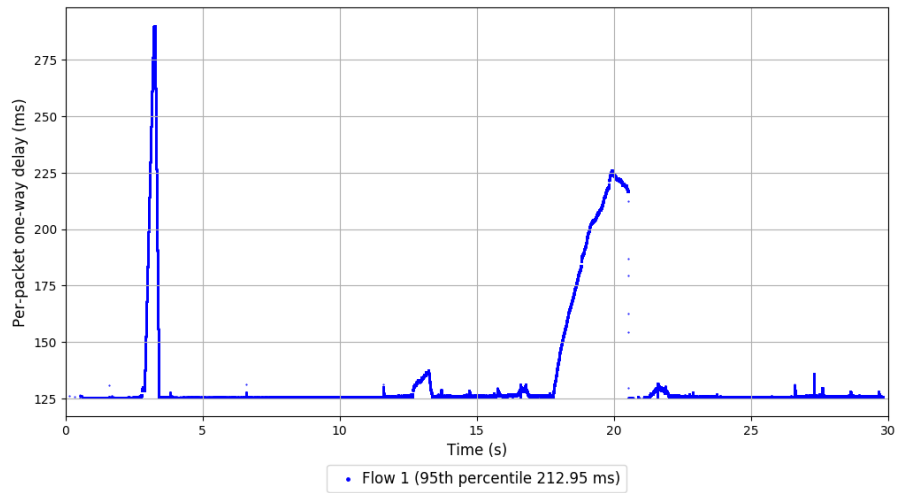
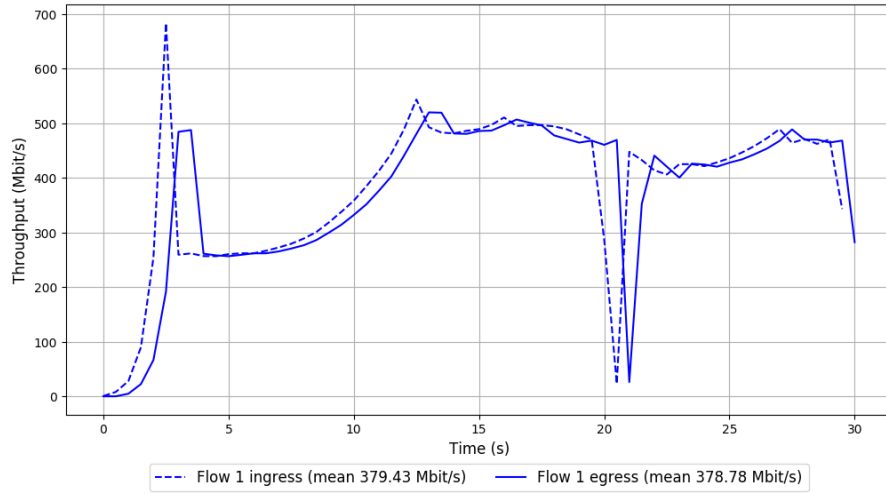
-- Flow 1:

Average throughput: 378.78 Mbit/s

95th percentile per-packet one-way delay: 212.946 ms

Loss rate: 0.81%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-05-30 06:23:49

End at: 2019-05-30 06:24:19

Local clock offset: 2.983 ms

Remote clock offset: -31.997 ms

Below is generated by plot.py at 2019-05-30 08:28:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 384.34 Mbit/s

95th percentile per-packet one-way delay: 170.614 ms

Loss rate: 0.87%

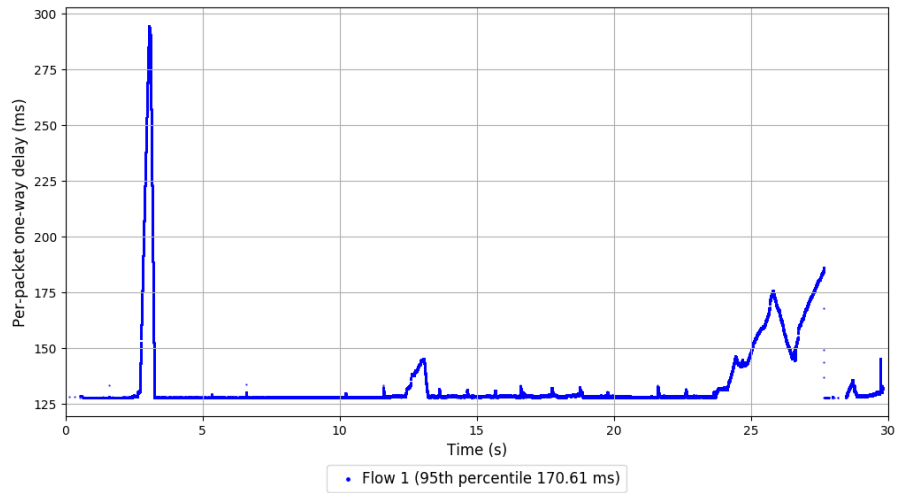
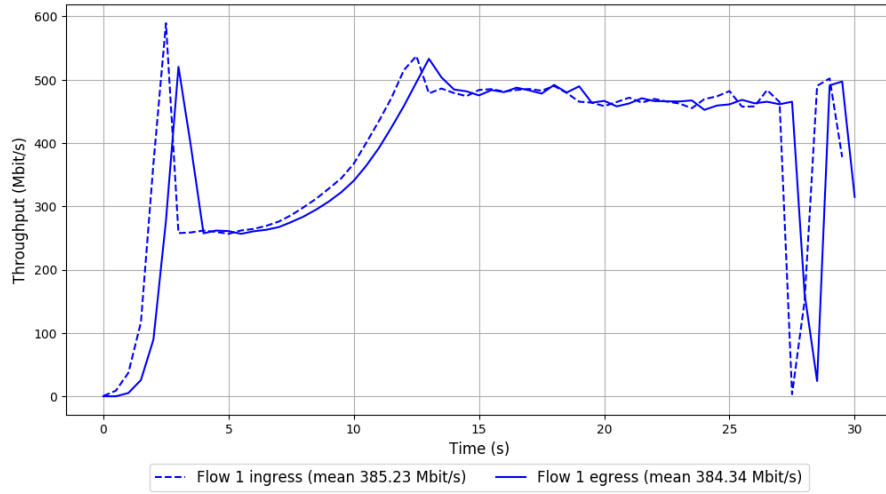
-- Flow 1:

Average throughput: 384.34 Mbit/s

95th percentile per-packet one-way delay: 170.614 ms

Loss rate: 0.87%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-05-30 06:51:55

End at: 2019-05-30 06:52:25

Local clock offset: -3.4 ms

Remote clock offset: -32.111 ms

Below is generated by plot.py at 2019-05-30 08:30:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 404.02 Mbit/s

95th percentile per-packet one-way delay: 270.387 ms

Loss rate: 1.13%

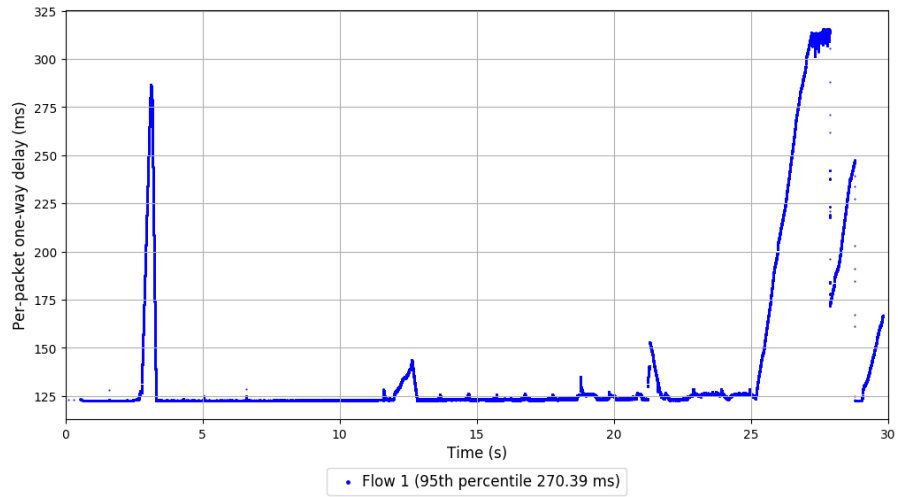
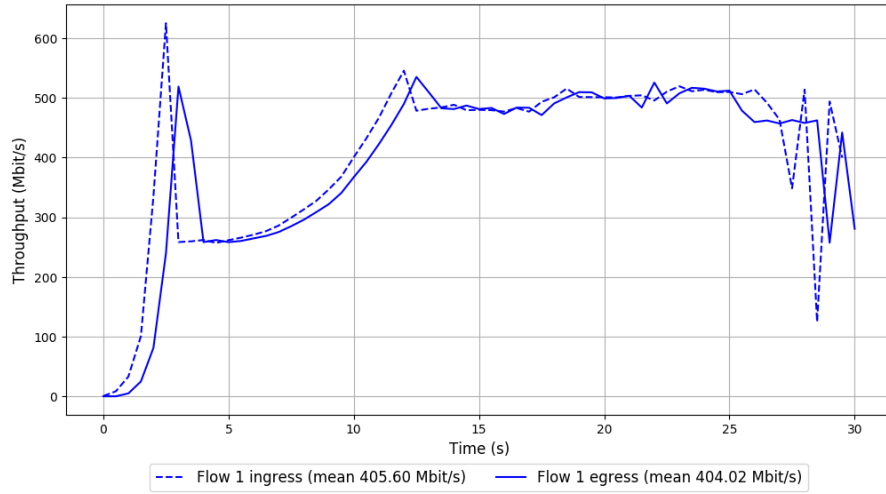
-- Flow 1:

Average throughput: 404.02 Mbit/s

95th percentile per-packet one-way delay: 270.387 ms

Loss rate: 1.13%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-05-30 07:20:13

End at: 2019-05-30 07:20:43

Local clock offset: -2.779 ms

Remote clock offset: -41.391 ms

Below is generated by plot.py at 2019-05-30 08:31:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 398.56 Mbit/s

95th percentile per-packet one-way delay: 235.224 ms

Loss rate: 0.82%

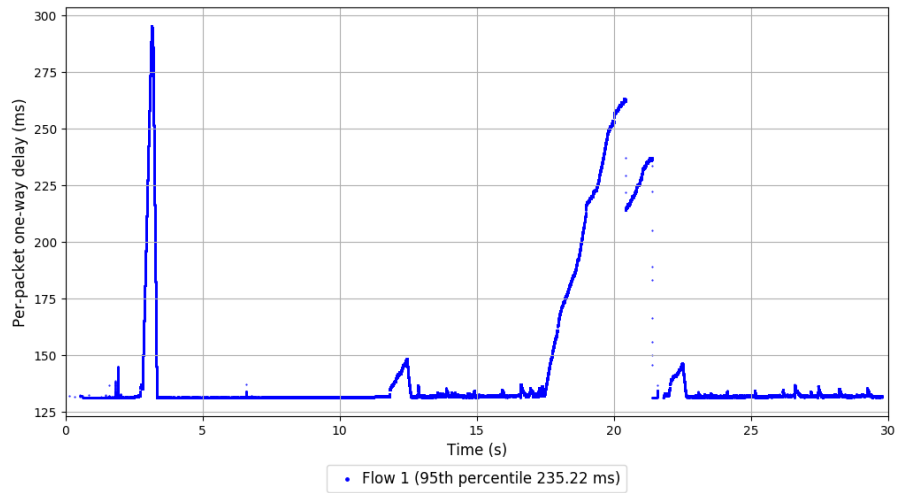
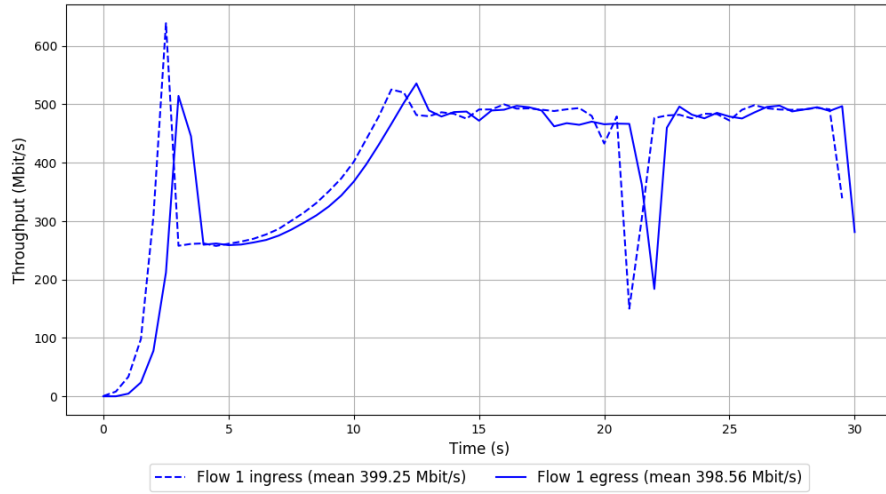
-- Flow 1:

Average throughput: 398.56 Mbit/s

95th percentile per-packet one-way delay: 235.224 ms

Loss rate: 0.82%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-05-30 07:48:26

End at: 2019-05-30 07:48:56

Local clock offset: -2.069 ms

Remote clock offset: -32.536 ms

Below is generated by plot.py at 2019-05-30 08:31:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 384.87 Mbit/s

95th percentile per-packet one-way delay: 128.399 ms

Loss rate: 0.80%

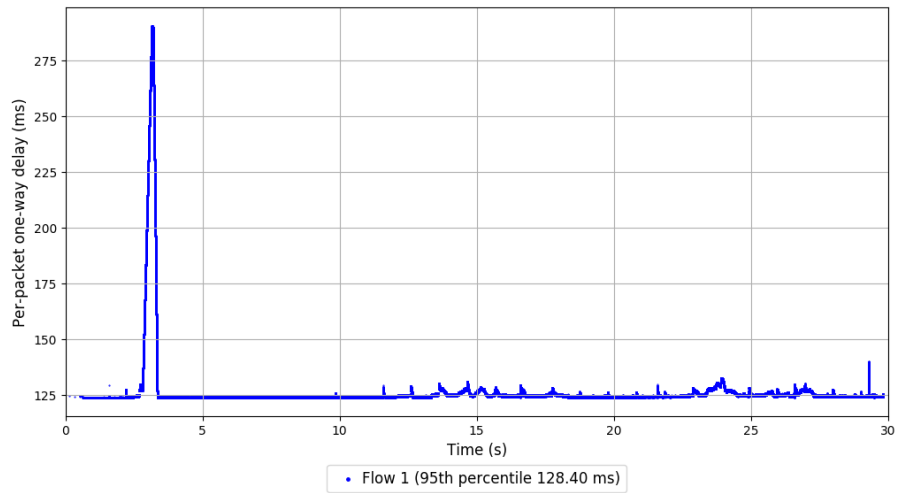
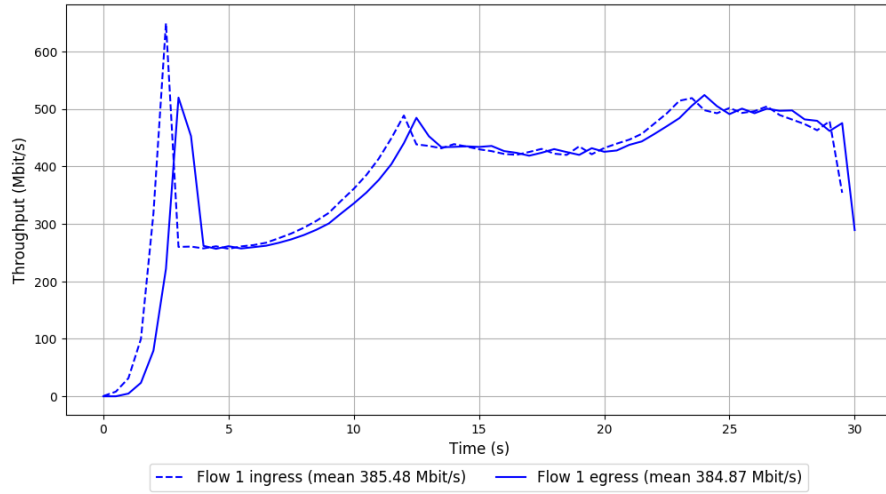
-- Flow 1:

Average throughput: 384.87 Mbit/s

95th percentile per-packet one-way delay: 128.399 ms

Loss rate: 0.80%

Run 5: Report of PCC-Allegro — Data Link

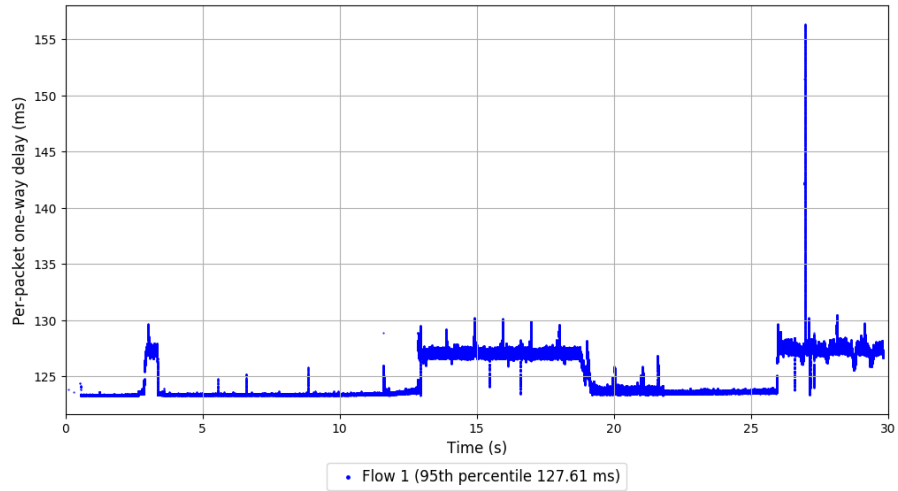
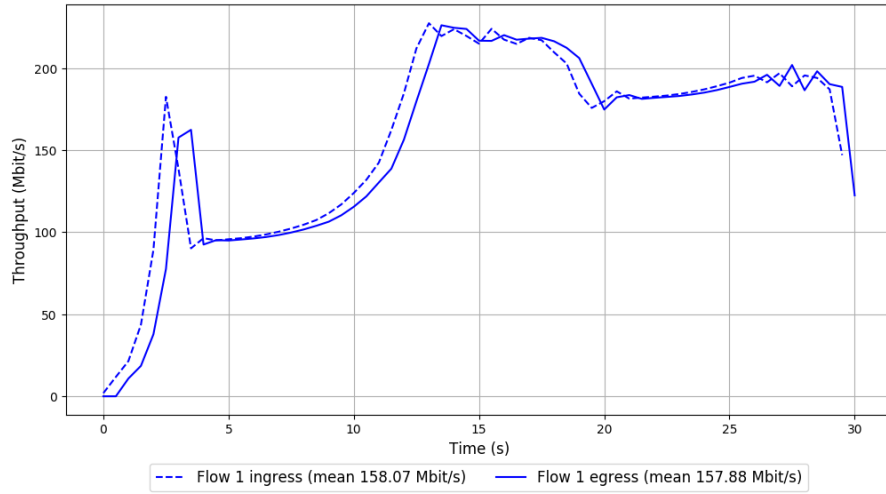


Run 1: Statistics of PCC-Expr

Start at: 2019-05-30 05:44:46
End at: 2019-05-30 05:45:16
Local clock offset: -3.208 ms
Remote clock offset: -32.999 ms

Below is generated by plot.py at 2019-05-30 08:31:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 157.88 Mbit/s
95th percentile per-packet one-way delay: 127.615 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 157.88 Mbit/s
95th percentile per-packet one-way delay: 127.615 ms
Loss rate: 0.78%

Run 1: Report of PCC-Expr — Data Link

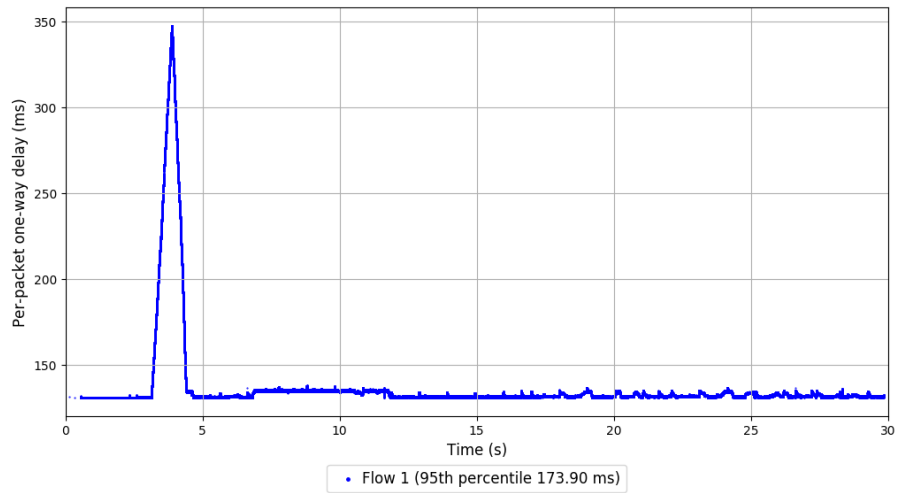
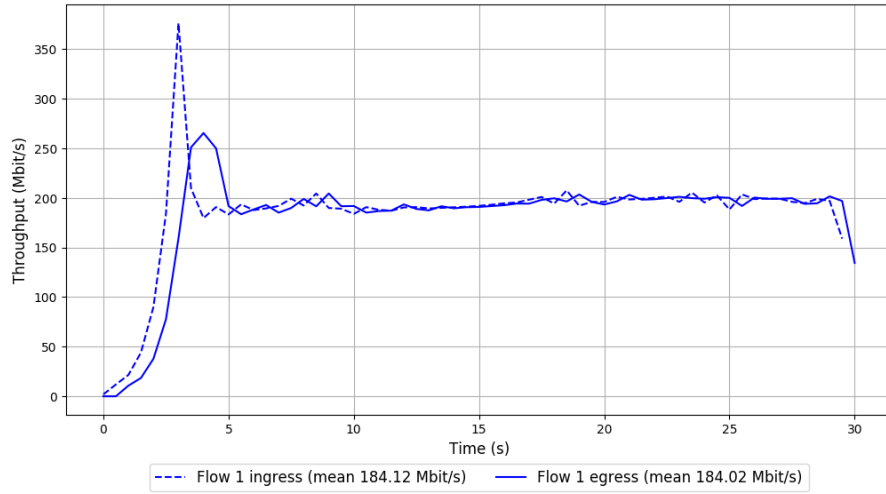


Run 2: Statistics of PCC-Expr

Start at: 2019-05-30 06:12:52
End at: 2019-05-30 06:13:22
Local clock offset: 1.5 ms
Remote clock offset: -35.967 ms

Below is generated by plot.py at 2019-05-30 08:31:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 184.02 Mbit/s
95th percentile per-packet one-way delay: 173.896 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 184.02 Mbit/s
95th percentile per-packet one-way delay: 173.896 ms
Loss rate: 0.70%

Run 2: Report of PCC-Expr — Data Link

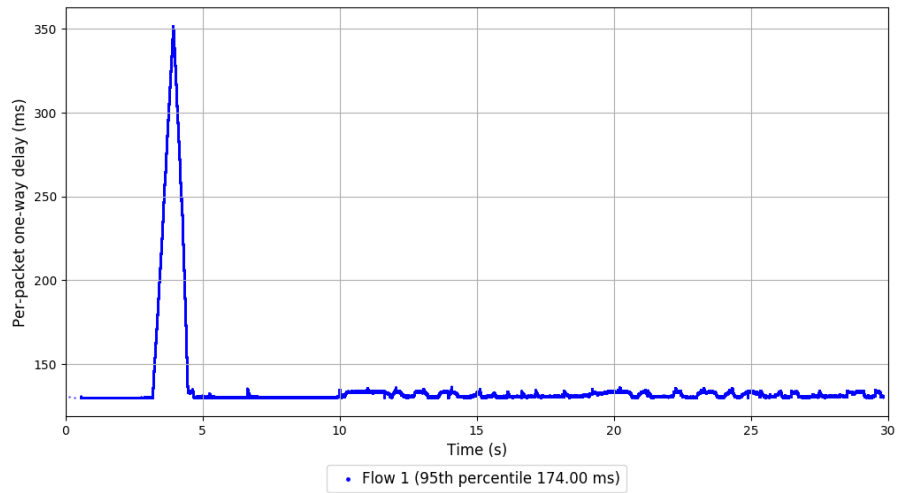
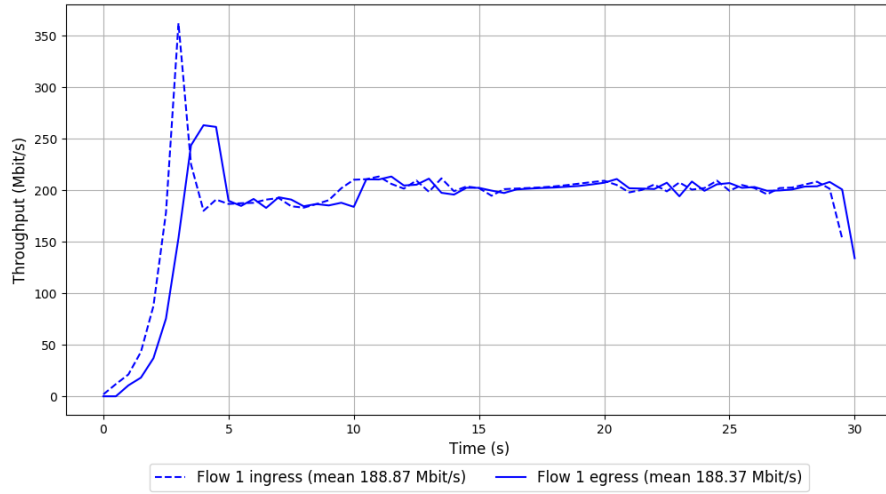


Run 3: Statistics of PCC-Expr

Start at: 2019-05-30 06:40:56
End at: 2019-05-30 06:41:26
Local clock offset: -2.986 ms
Remote clock offset: -39.786 ms

Below is generated by plot.py at 2019-05-30 08:31:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 188.37 Mbit/s
95th percentile per-packet one-way delay: 173.999 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 188.37 Mbit/s
95th percentile per-packet one-way delay: 173.999 ms
Loss rate: 0.91%

Run 3: Report of PCC-Expr — Data Link

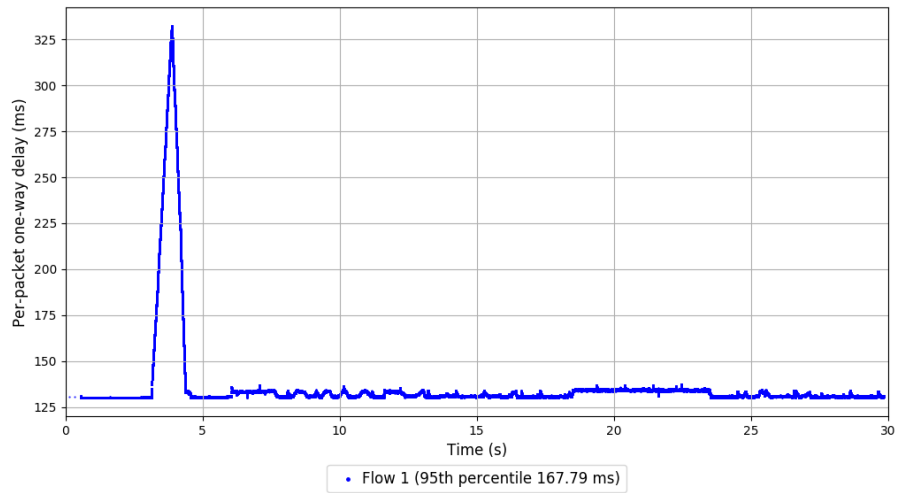
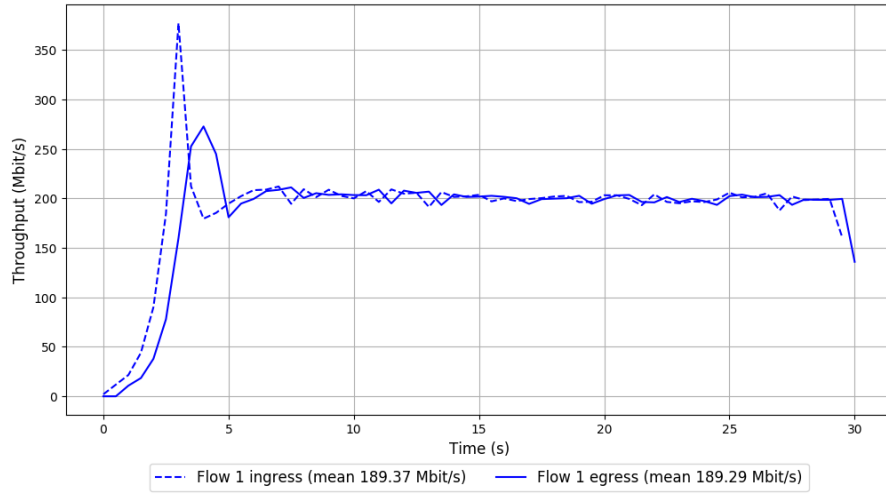


Run 4: Statistics of PCC-Expr

Start at: 2019-05-30 07:09:10
End at: 2019-05-30 07:09:40
Local clock offset: 1.855 ms
Remote clock offset: -34.231 ms

Below is generated by plot.py at 2019-05-30 08:32:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 189.29 Mbit/s
95th percentile per-packet one-way delay: 167.791 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 189.29 Mbit/s
95th percentile per-packet one-way delay: 167.791 ms
Loss rate: 0.69%

Run 4: Report of PCC-Expr — Data Link

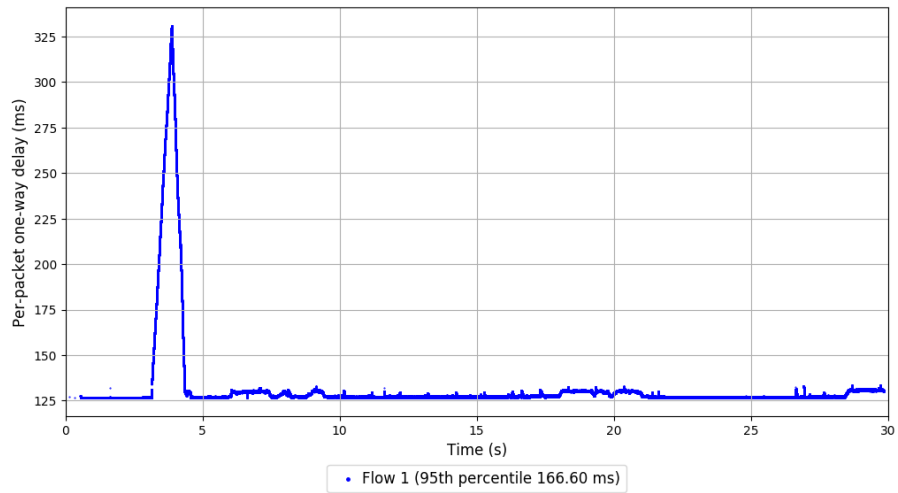
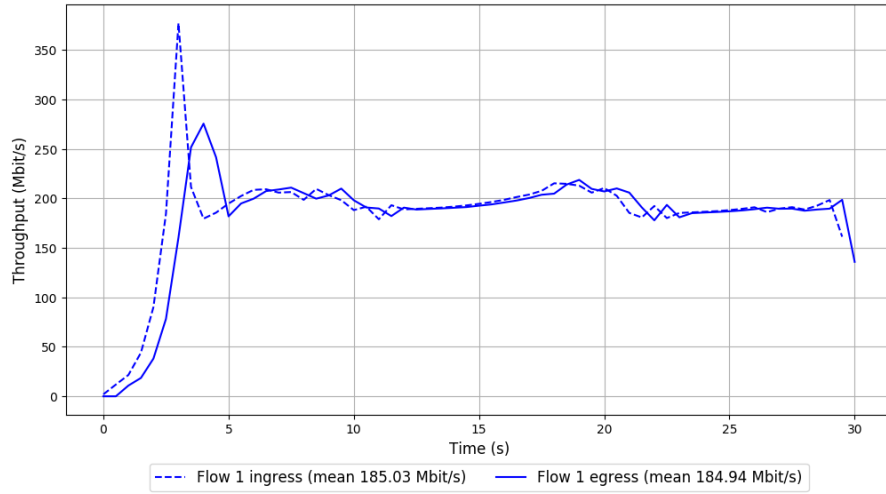


Run 5: Statistics of PCC-Expr

Start at: 2019-05-30 07:37:24
End at: 2019-05-30 07:37:54
Local clock offset: -0.891 ms
Remote clock offset: -35.224 ms

Below is generated by plot.py at 2019-05-30 08:32:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 184.94 Mbit/s
95th percentile per-packet one-way delay: 166.599 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 184.94 Mbit/s
95th percentile per-packet one-way delay: 166.599 ms
Loss rate: 0.70%

Run 5: Report of PCC-Expr — Data Link

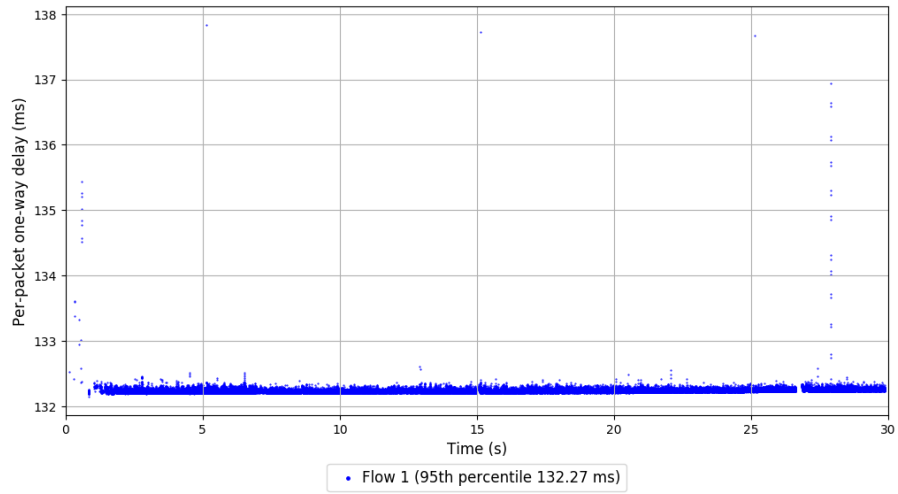
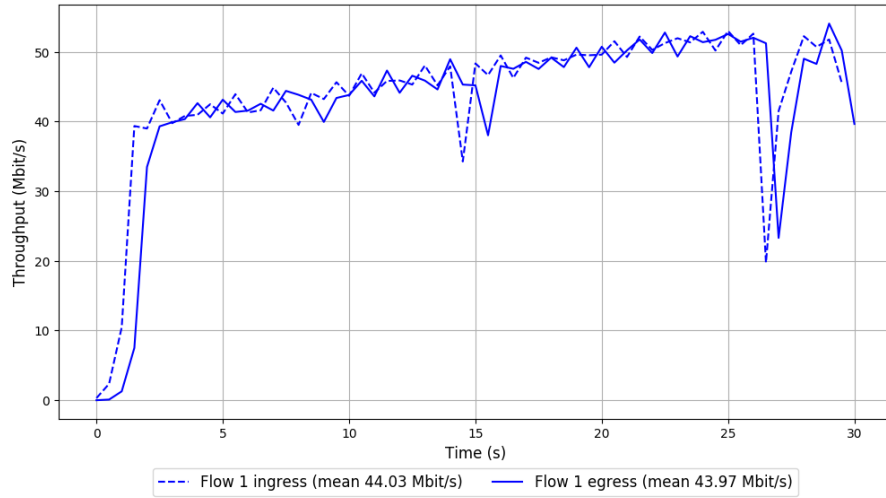


Run 1: Statistics of QUIC Cubic

Start at: 2019-05-30 05:43:34
End at: 2019-05-30 05:44:04
Local clock offset: -1.824 ms
Remote clock offset: -40.536 ms

Below is generated by plot.py at 2019-05-30 08:32:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 43.97 Mbit/s
95th percentile per-packet one-way delay: 132.274 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 43.97 Mbit/s
95th percentile per-packet one-way delay: 132.274 ms
Loss rate: 0.76%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-05-30 06:11:38
End at: 2019-05-30 06:12:08
Local clock offset: -3.788 ms
Remote clock offset: -41.975 ms

Below is generated by plot.py at 2019-05-30 08:32:46

Datalink statistics

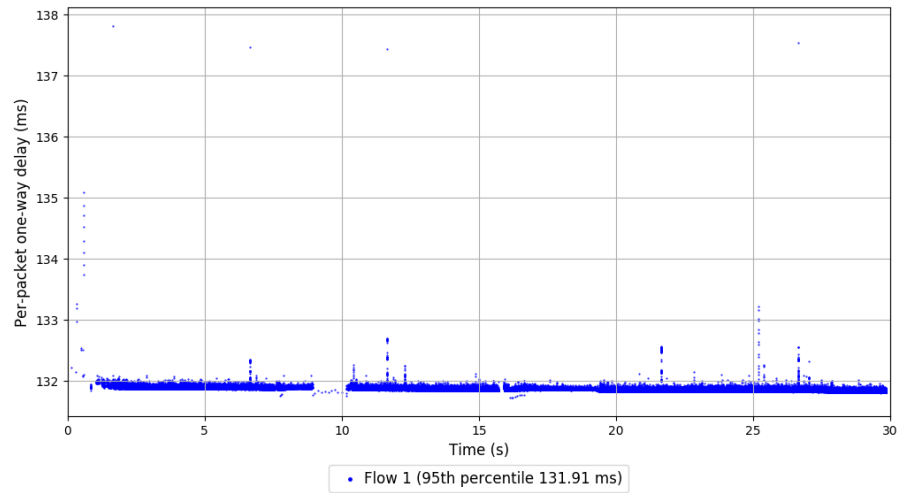
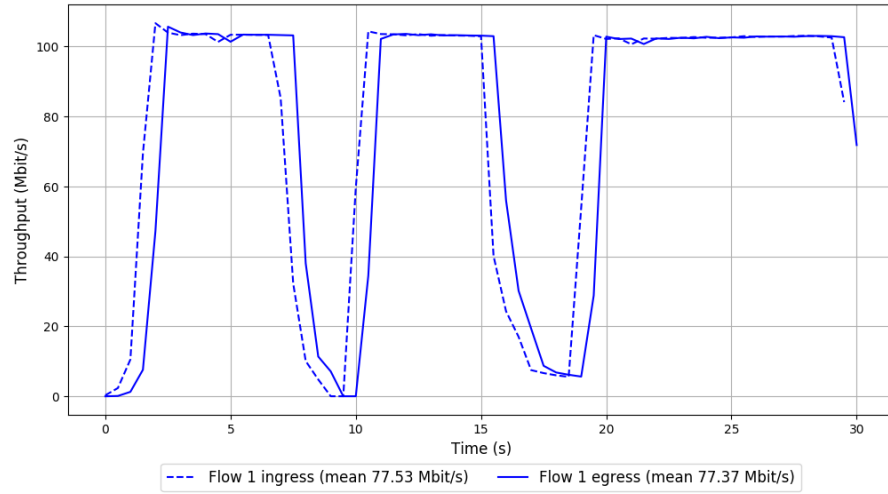
-- Total of 1 flow:

Average throughput: 77.37 Mbit/s
95th percentile per-packet one-way delay: 131.908 ms
Loss rate: 0.85%

-- Flow 1:

Average throughput: 77.37 Mbit/s
95th percentile per-packet one-way delay: 131.908 ms
Loss rate: 0.85%

Run 2: Report of QUIC Cubic — Data Link

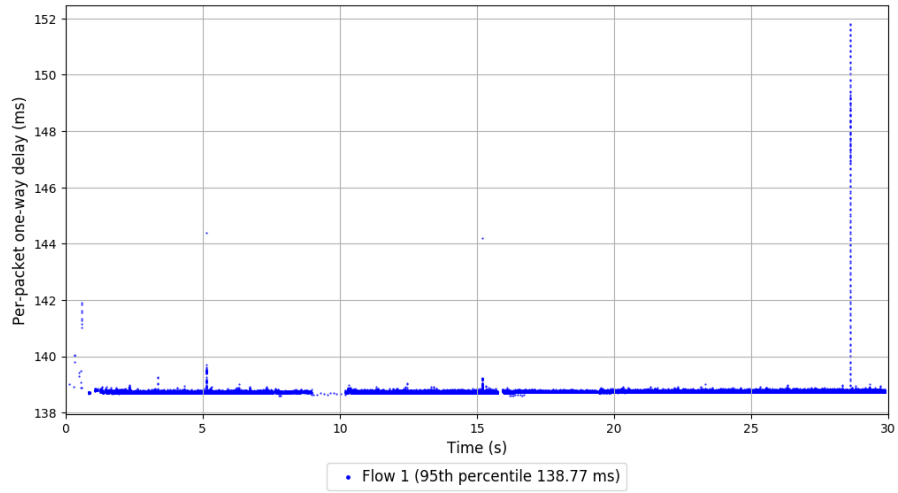
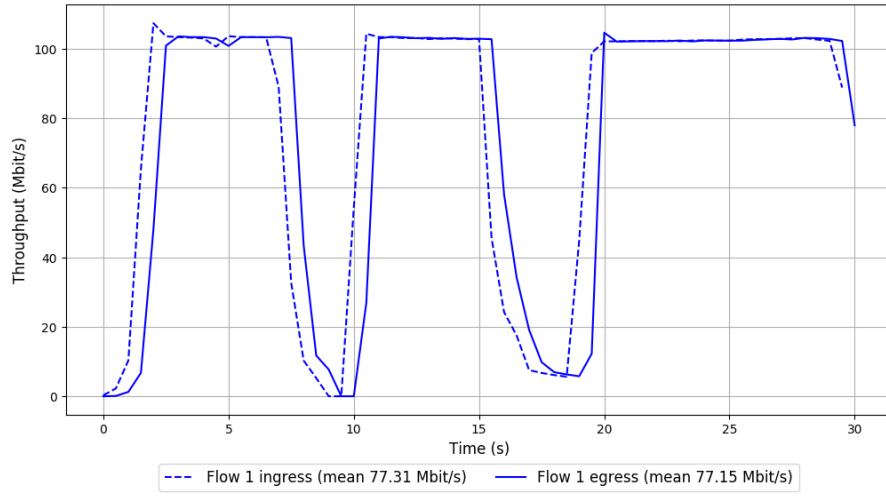


Run 3: Statistics of QUIC Cubic

Start at: 2019-05-30 06:39:42
End at: 2019-05-30 06:40:12
Local clock offset: 2.684 ms
Remote clock offset: -43.009 ms

Below is generated by plot.py at 2019-05-30 08:32:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.15 Mbit/s
95th percentile per-packet one-way delay: 138.768 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 77.15 Mbit/s
95th percentile per-packet one-way delay: 138.768 ms
Loss rate: 0.85%

Run 3: Report of QUIC Cubic — Data Link

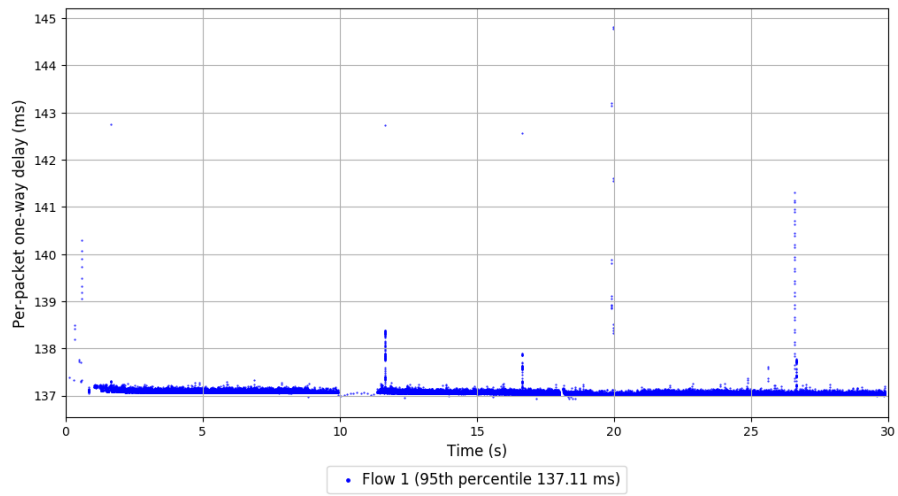
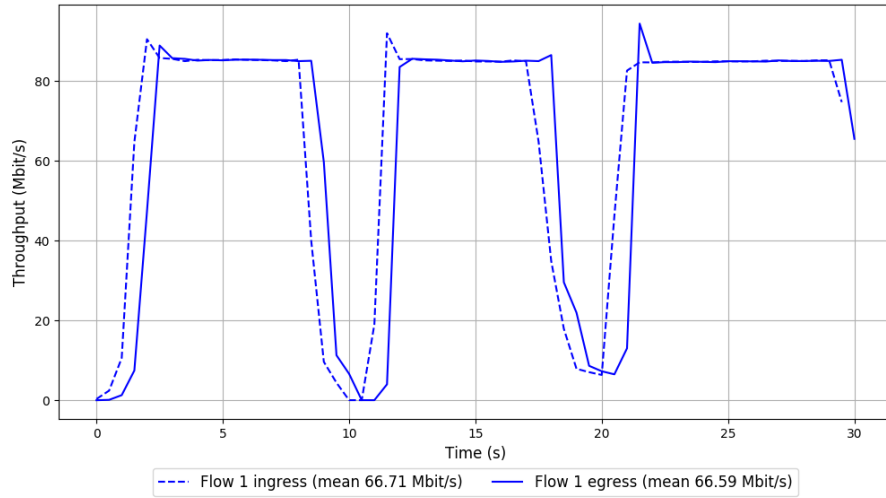


Run 4: Statistics of QUIC Cubic

Start at: 2019-05-30 07:07:56
End at: 2019-05-30 07:08:26
Local clock offset: -3.699 ms
Remote clock offset: -46.587 ms

Below is generated by plot.py at 2019-05-30 08:32:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.59 Mbit/s
95th percentile per-packet one-way delay: 137.113 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 66.59 Mbit/s
95th percentile per-packet one-way delay: 137.113 ms
Loss rate: 0.81%

Run 4: Report of QUIC Cubic — Data Link

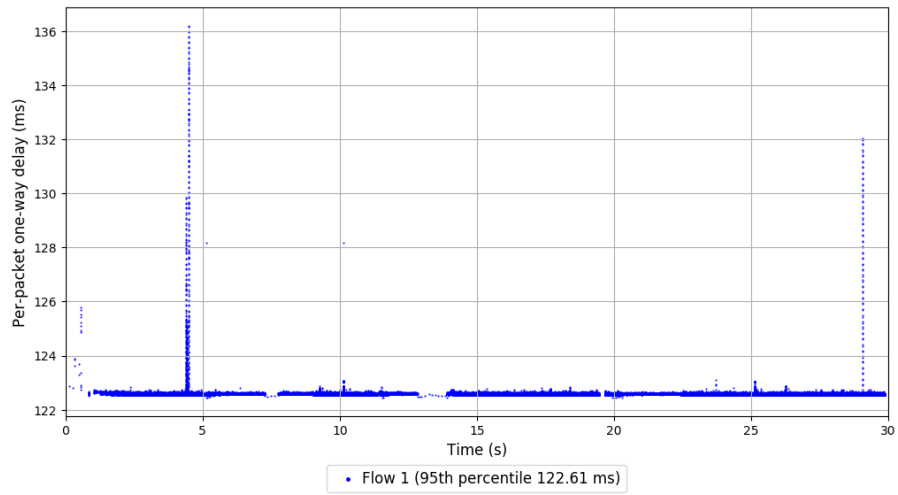
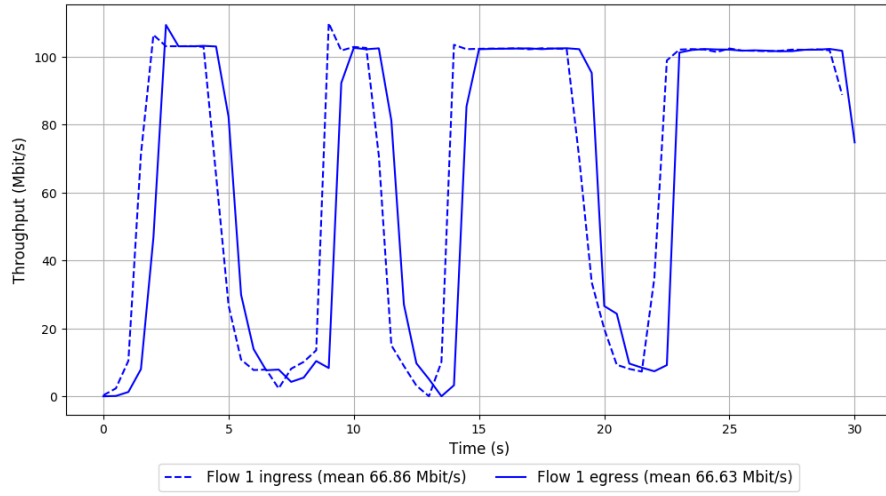


Run 5: Statistics of QUIC Cubic

Start at: 2019-05-30 07:36:10
End at: 2019-05-30 07:36:40
Local clock offset: -7.343 ms
Remote clock offset: -37.588 ms

Below is generated by plot.py at 2019-05-30 08:32:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.63 Mbit/s
95th percentile per-packet one-way delay: 122.609 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 66.63 Mbit/s
95th percentile per-packet one-way delay: 122.609 ms
Loss rate: 0.98%

Run 5: Report of QUIC Cubic — Data Link

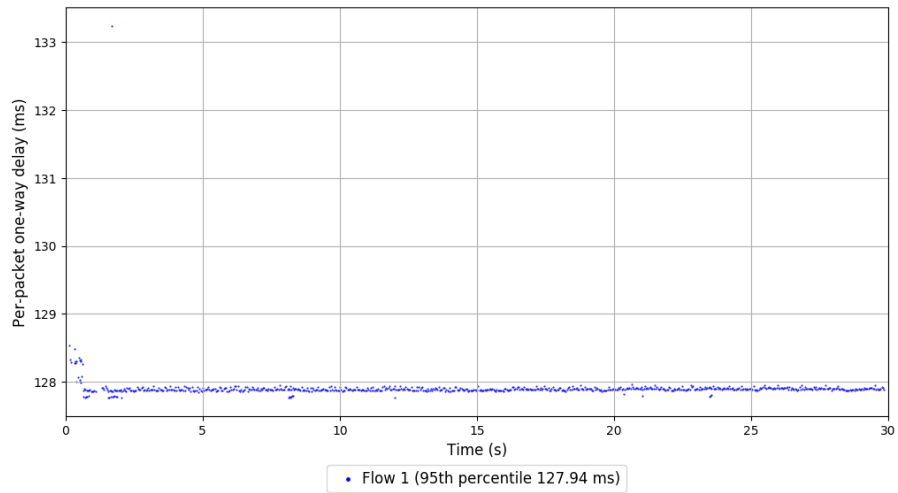
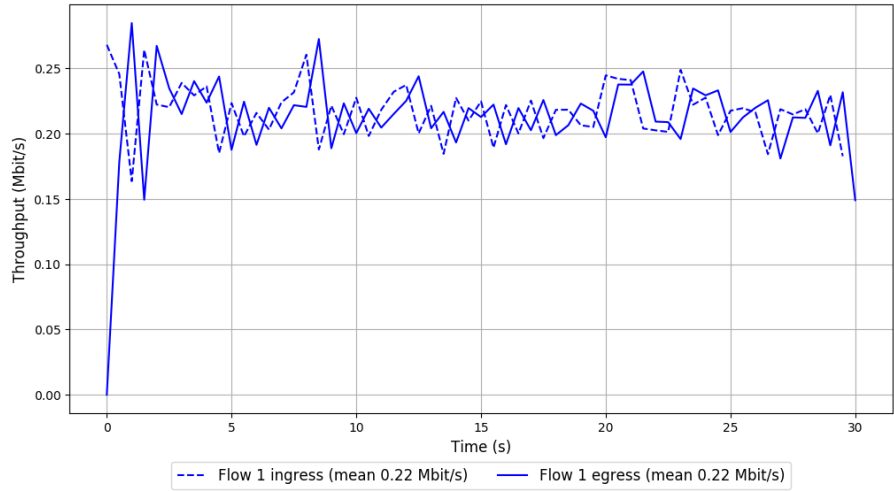


Run 1: Statistics of SCReAM

Start at: 2019-05-30 06:01:07
End at: 2019-05-30 06:01:37
Local clock offset: -3.565 ms
Remote clock offset: -36.729 ms

Below is generated by plot.py at 2019-05-30 08:32:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 127.937 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 127.937 ms
Loss rate: 0.64%

Run 1: Report of SCReAM — Data Link

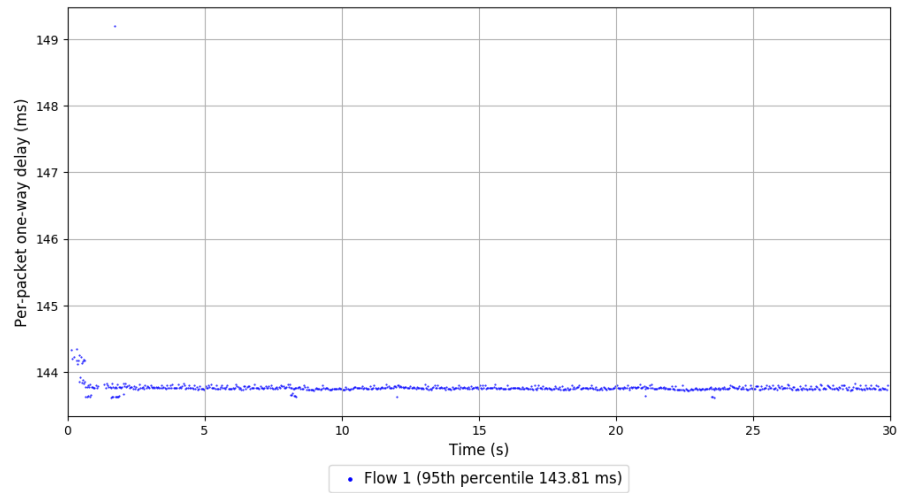
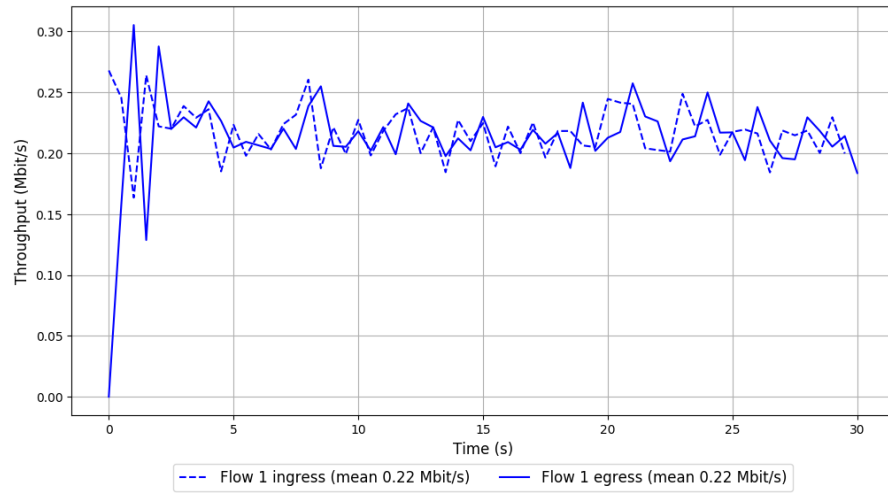


Run 2: Statistics of SCReAM

Start at: 2019-05-30 06:29:23
End at: 2019-05-30 06:29:53
Local clock offset: 3.647 ms
Remote clock offset: -47.278 ms

Below is generated by plot.py at 2019-05-30 08:32:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 143.806 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 143.806 ms
Loss rate: 0.64%

Run 2: Report of SCReAM — Data Link

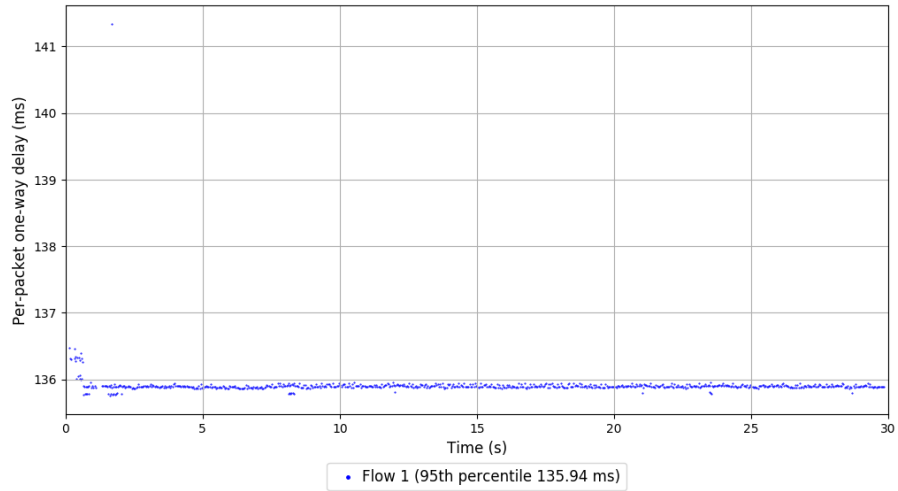
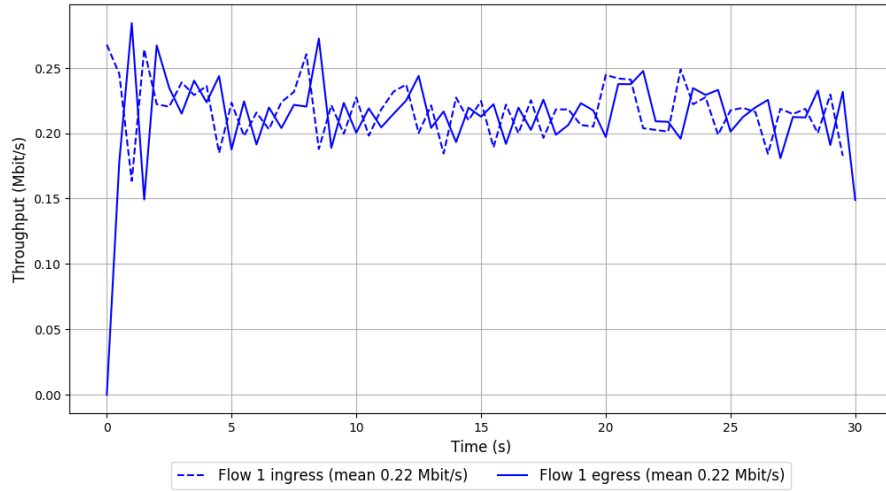


Run 3: Statistics of SCReAM

Start at: 2019-05-30 06:57:31
End at: 2019-05-30 06:58:01
Local clock offset: -2.313 ms
Remote clock offset: -43.988 ms

Below is generated by plot.py at 2019-05-30 08:32:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.938 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.938 ms
Loss rate: 0.64%

Run 3: Report of SCReAM — Data Link

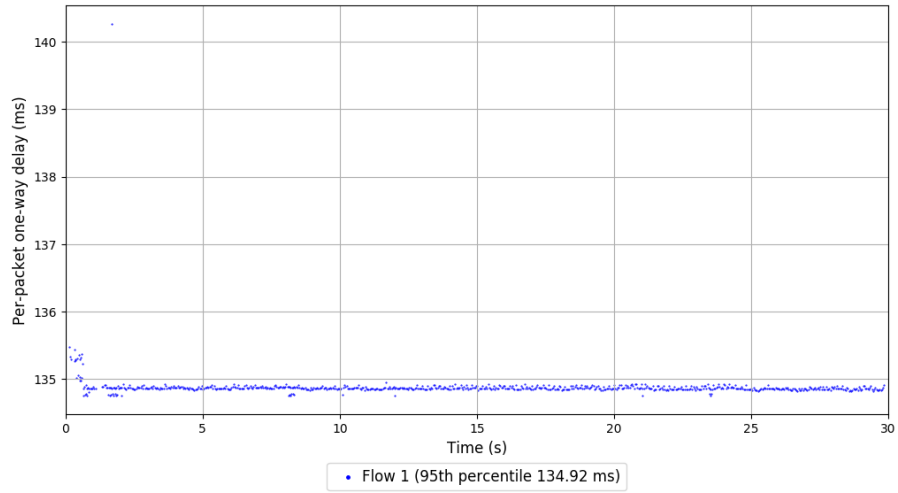
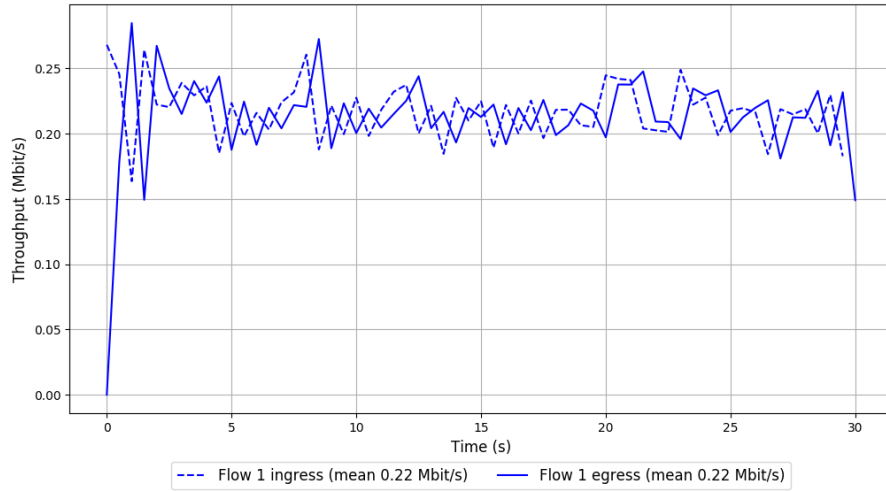


Run 4: Statistics of SCReAM

Start at: 2019-05-30 07:25:49
End at: 2019-05-30 07:26:19
Local clock offset: 3.777 ms
Remote clock offset: -38.357 ms

Below is generated by plot.py at 2019-05-30 08:32:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 134.919 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 134.919 ms
Loss rate: 0.64%

Run 4: Report of SCReAM — Data Link

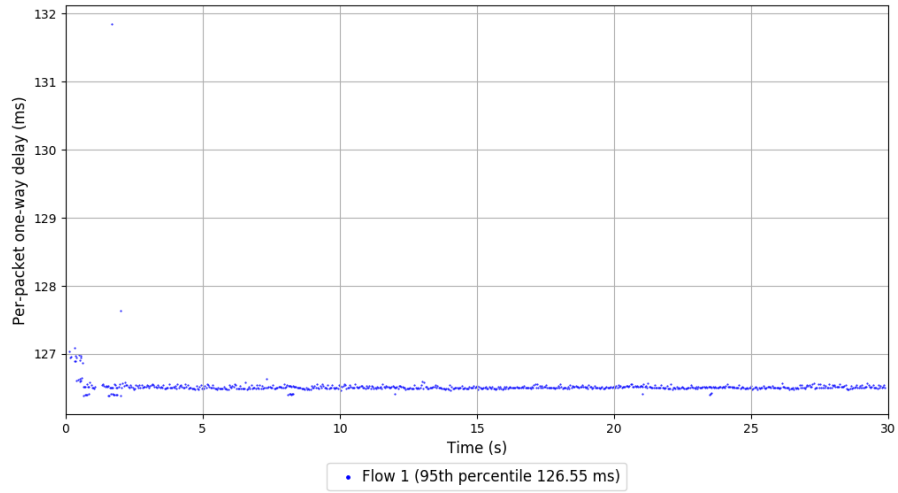
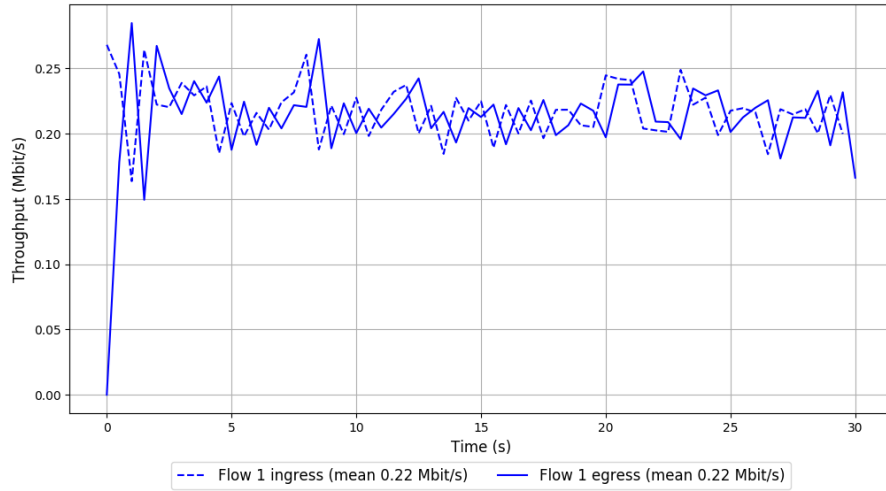


Run 5: Statistics of SCReAM

Start at: 2019-05-30 07:54:04
End at: 2019-05-30 07:54:34
Local clock offset: -2.987 ms
Remote clock offset: -35.658 ms

Below is generated by plot.py at 2019-05-30 08:32:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 126.554 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 126.554 ms
Loss rate: 0.64%

Run 5: Report of SCReAM — Data Link

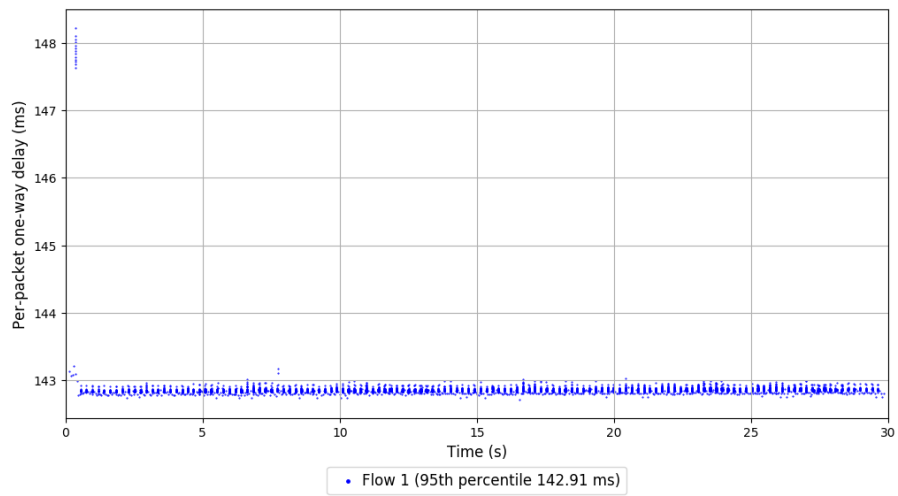
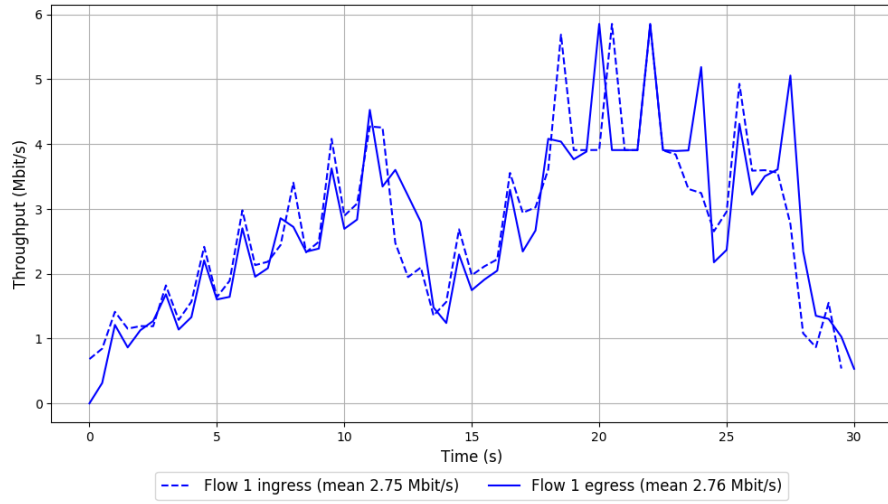


Run 1: Statistics of Sprout

Start at: 2019-05-30 06:03:43
End at: 2019-05-30 06:04:13
Local clock offset: 1.083 ms
Remote clock offset: -47.012 ms

Below is generated by plot.py at 2019-05-30 08:32:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.76 Mbit/s
95th percentile per-packet one-way delay: 142.905 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 2.76 Mbit/s
95th percentile per-packet one-way delay: 142.905 ms
Loss rate: 0.32%

Run 1: Report of Sprout — Data Link

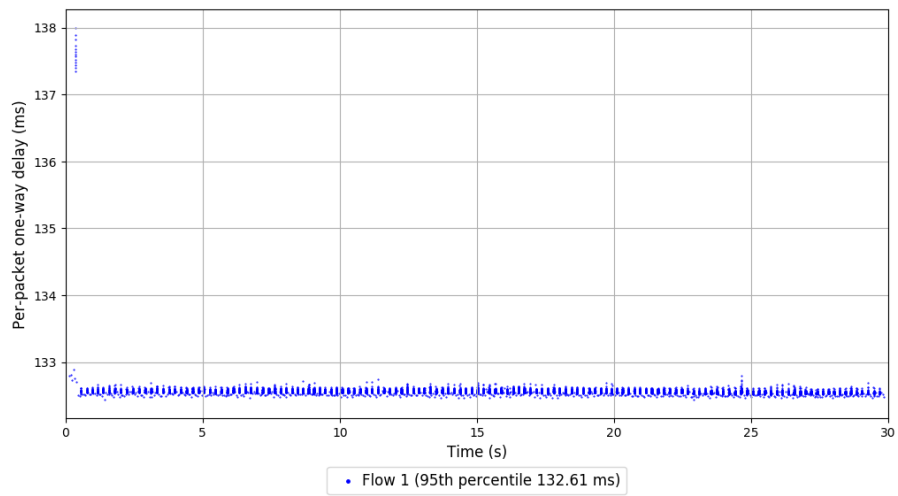
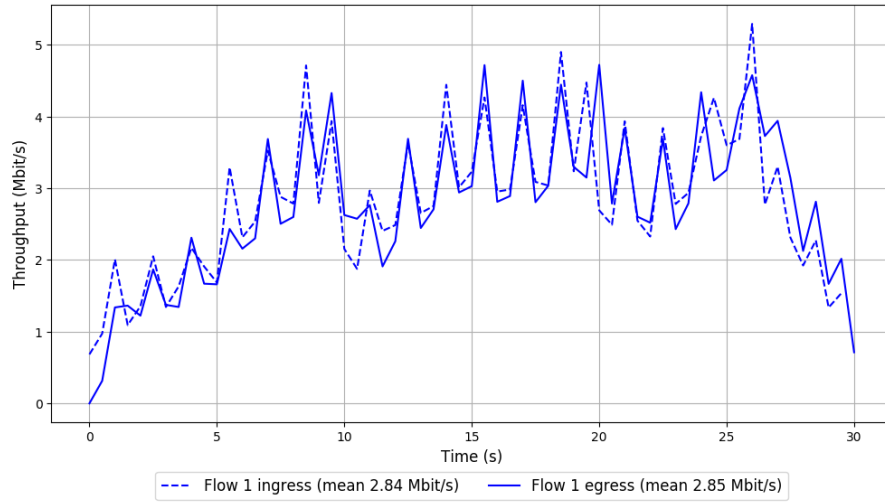


Run 2: Statistics of Sprout

Start at: 2019-05-30 06:31:58
End at: 2019-05-30 06:32:28
Local clock offset: -1.425 ms
Remote clock offset: -41.216 ms

Below is generated by plot.py at 2019-05-30 08:32:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.85 Mbit/s
95th percentile per-packet one-way delay: 132.609 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 2.85 Mbit/s
95th percentile per-packet one-way delay: 132.609 ms
Loss rate: 0.49%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2019-05-30 07:00:06
End at: 2019-05-30 07:00:36
Local clock offset: 0.788 ms
Remote clock offset: -43.961 ms

Below is generated by plot.py at 2019-05-30 08:32:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.25 Mbit/s

95th percentile per-packet one-way delay: 139.656 ms

Loss rate: 1.07%

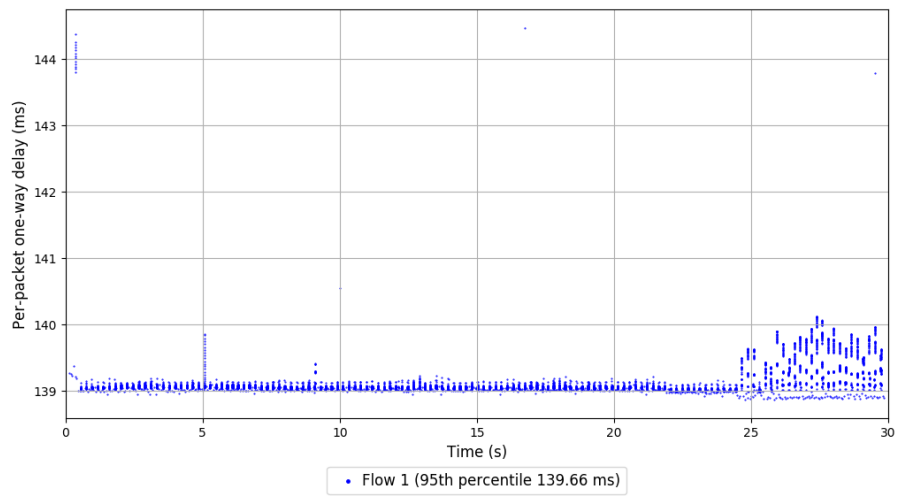
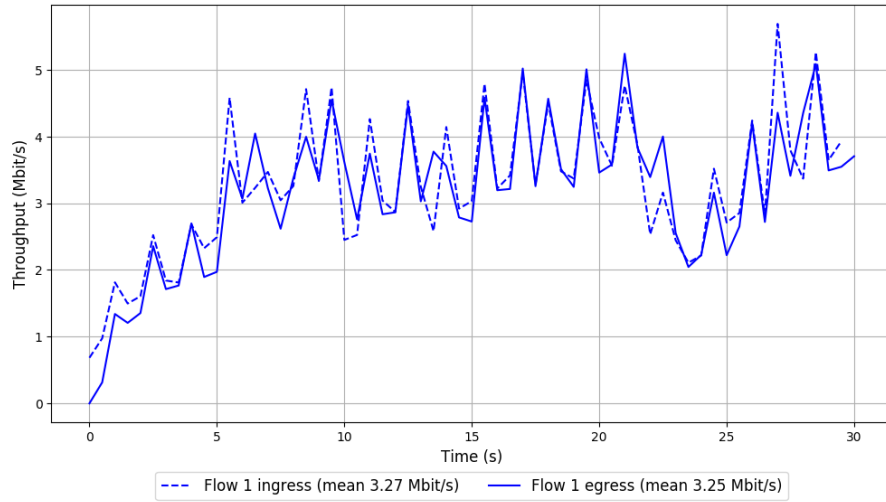
-- Flow 1:

Average throughput: 3.25 Mbit/s

95th percentile per-packet one-way delay: 139.656 ms

Loss rate: 1.07%

Run 3: Report of Sprout — Data Link

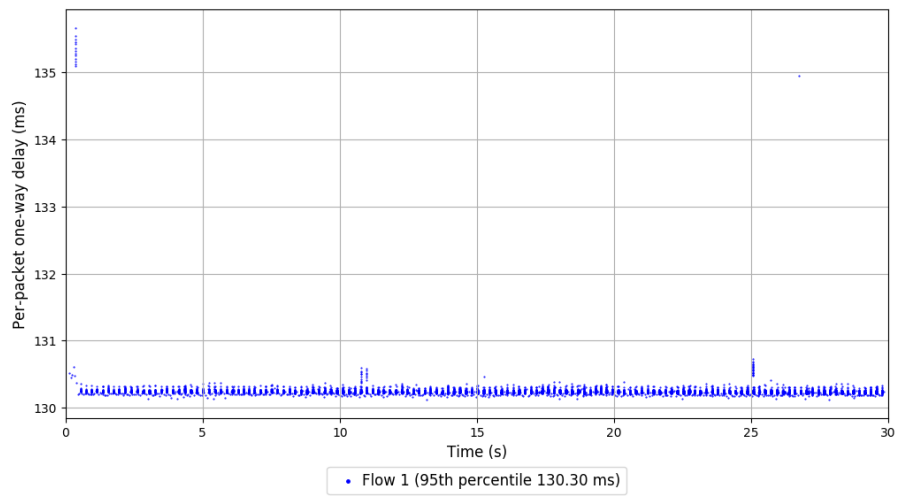
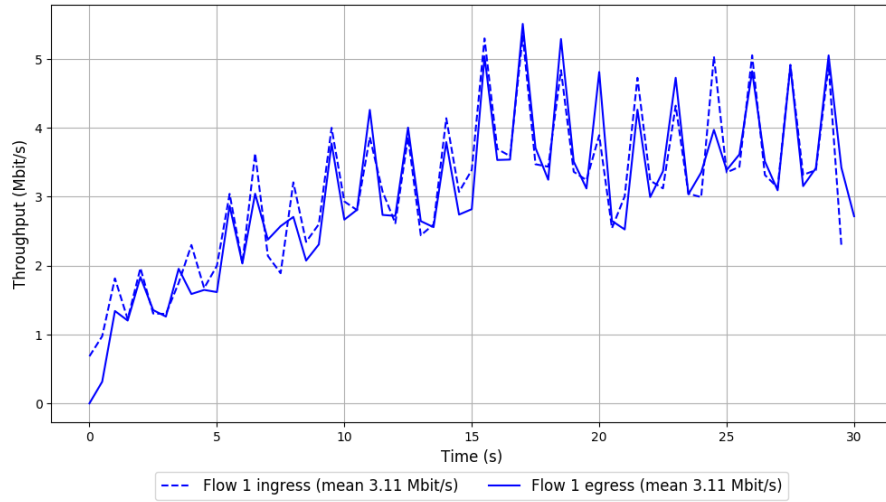


Run 4: Statistics of Sprout

Start at: 2019-05-30 07:28:24
End at: 2019-05-30 07:28:54
Local clock offset: 2.808 ms
Remote clock offset: -34.876 ms

Below is generated by plot.py at 2019-05-30 08:32:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.11 Mbit/s
95th percentile per-packet one-way delay: 130.296 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 3.11 Mbit/s
95th percentile per-packet one-way delay: 130.296 ms
Loss rate: 0.57%

Run 4: Report of Sprout — Data Link

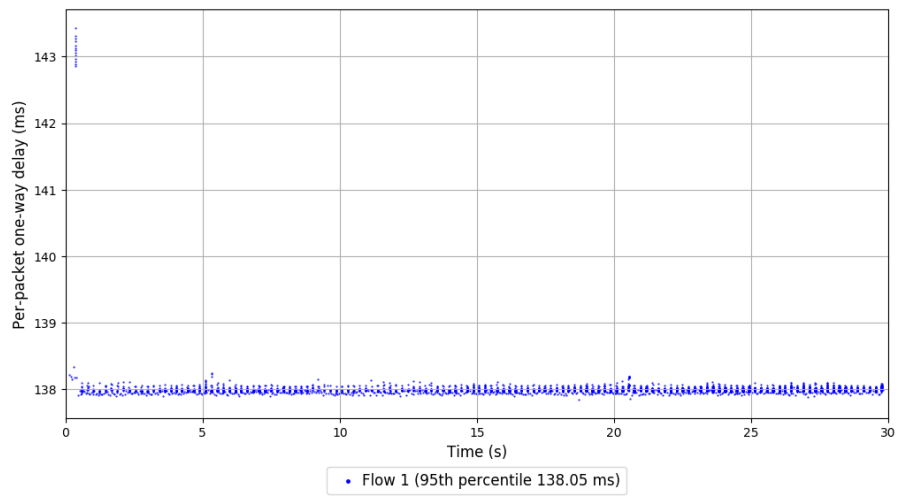
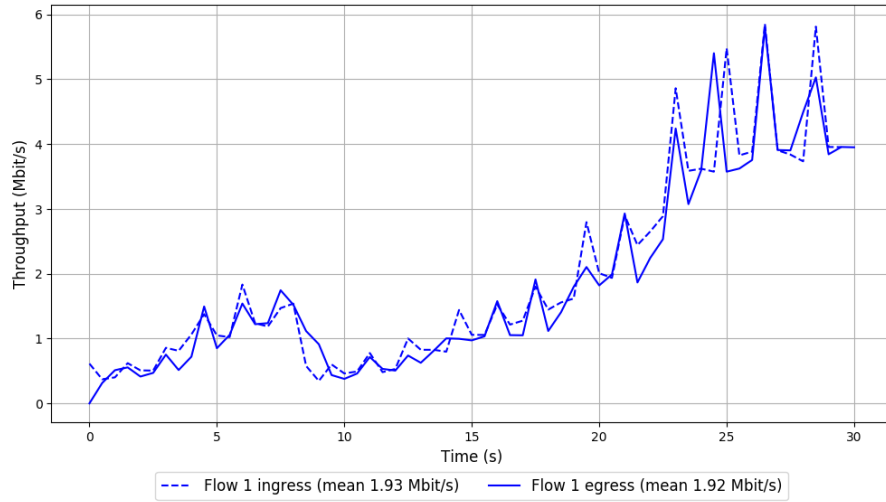


Run 5: Statistics of Sprout

Start at: 2019-05-30 07:56:39
End at: 2019-05-30 07:57:09
Local clock offset: 1.789 ms
Remote clock offset: -42.258 ms

Below is generated by plot.py at 2019-05-30 08:32:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 138.046 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 138.046 ms
Loss rate: 1.71%

Run 5: Report of Sprout — Data Link

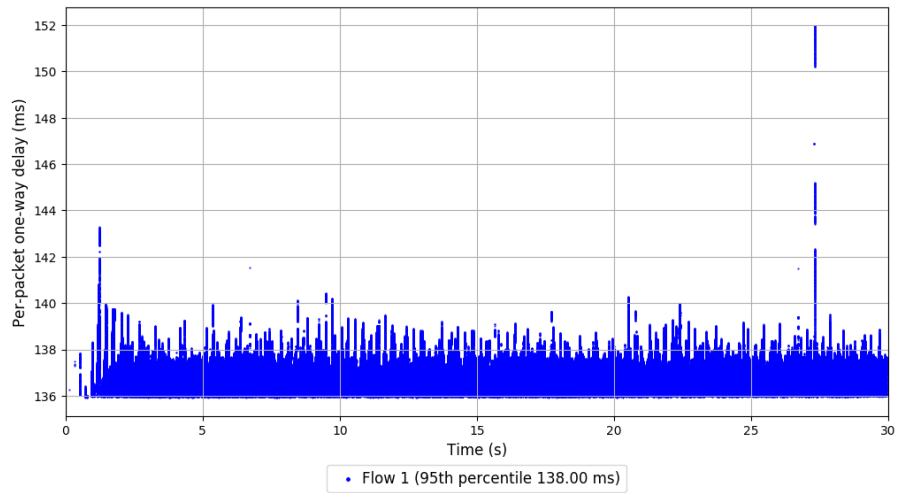
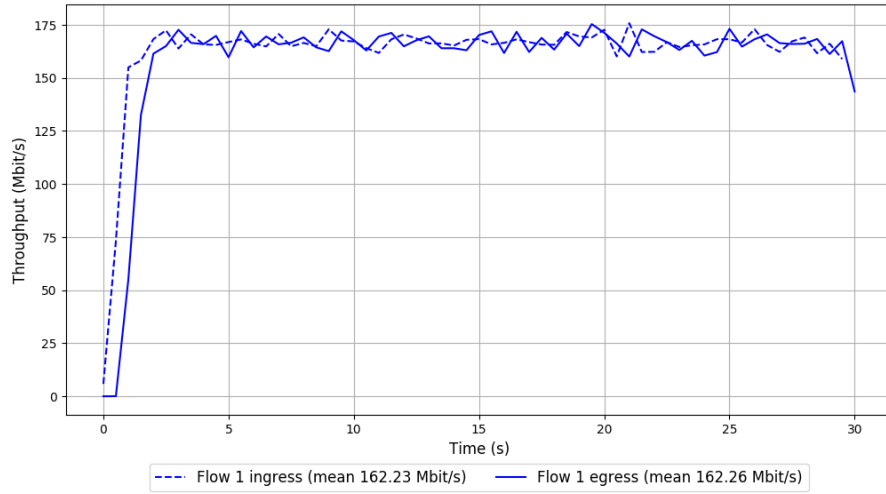


Run 1: Statistics of TaoVA-100x

Start at: 2019-05-30 05:59:43
End at: 2019-05-30 06:00:13
Local clock offset: 1.442 ms
Remote clock offset: -40.018 ms

Below is generated by plot.py at 2019-05-30 08:35:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 162.26 Mbit/s
95th percentile per-packet one-way delay: 138.000 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 162.26 Mbit/s
95th percentile per-packet one-way delay: 138.000 ms
Loss rate: 0.62%

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-05-30 06:28:00

End at: 2019-05-30 06:28:30

Local clock offset: -1.632 ms

Remote clock offset: -30.75 ms

Below is generated by plot.py at 2019-05-30 08:35:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 157.22 Mbit/s

95th percentile per-packet one-way delay: 124.253 ms

Loss rate: 0.73%

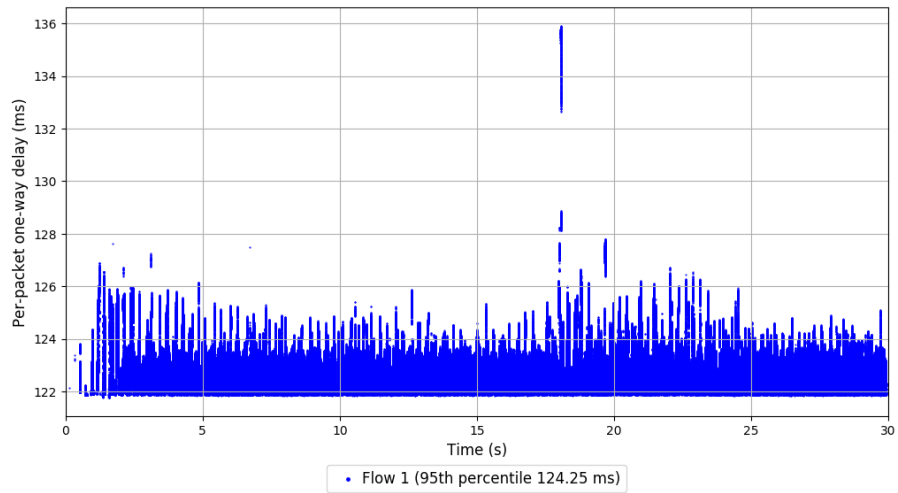
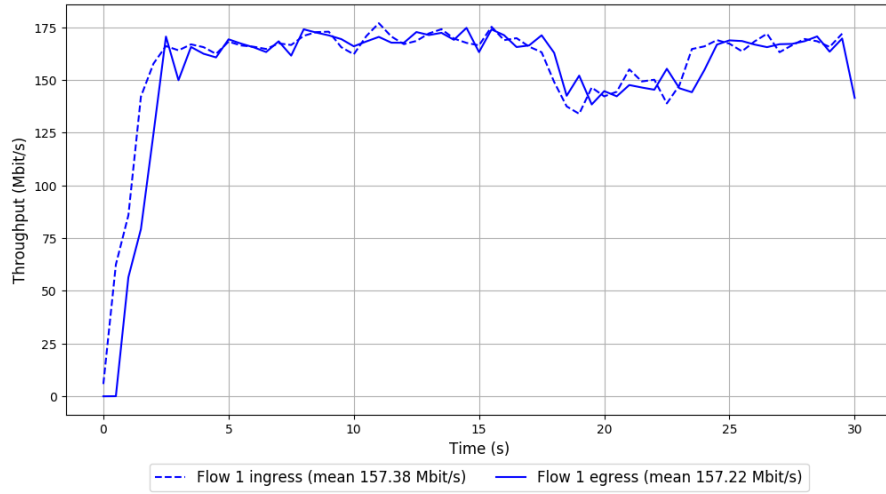
-- Flow 1:

Average throughput: 157.22 Mbit/s

95th percentile per-packet one-way delay: 124.253 ms

Loss rate: 0.73%

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

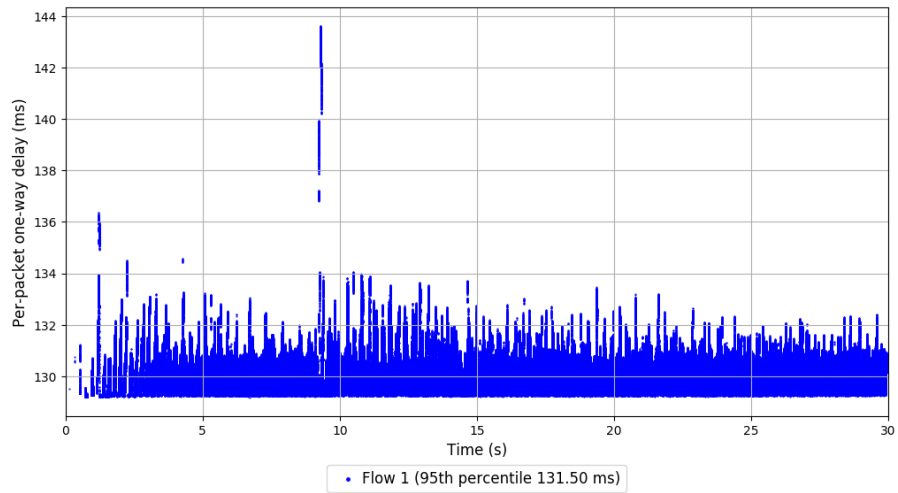
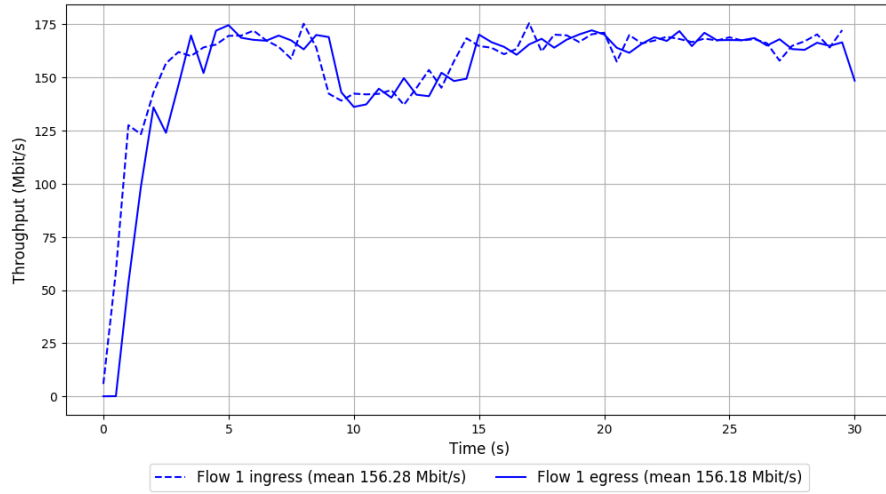


Run 3: Statistics of TaoVA-100x

Start at: 2019-05-30 06:56:07
End at: 2019-05-30 06:56:37
Local clock offset: 1.223 ms
Remote clock offset: -33.941 ms

Below is generated by plot.py at 2019-05-30 08:35:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 156.18 Mbit/s
95th percentile per-packet one-way delay: 131.495 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 156.18 Mbit/s
95th percentile per-packet one-way delay: 131.495 ms
Loss rate: 0.71%

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

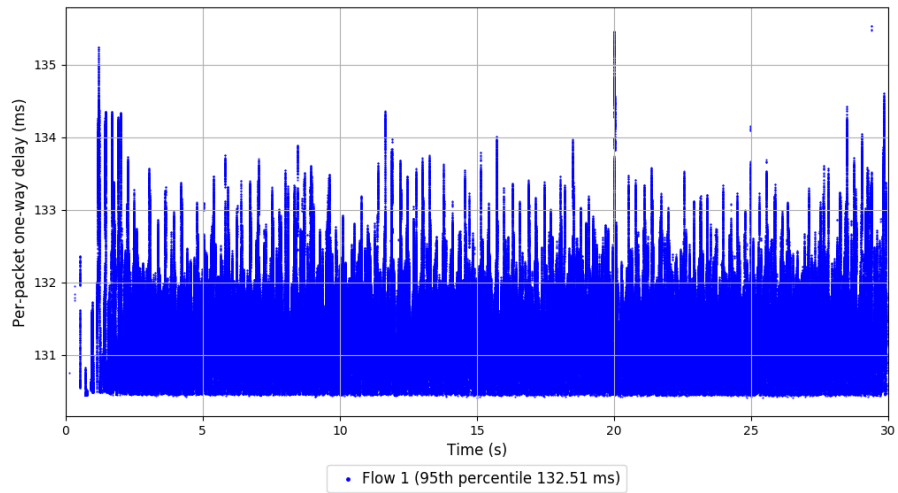
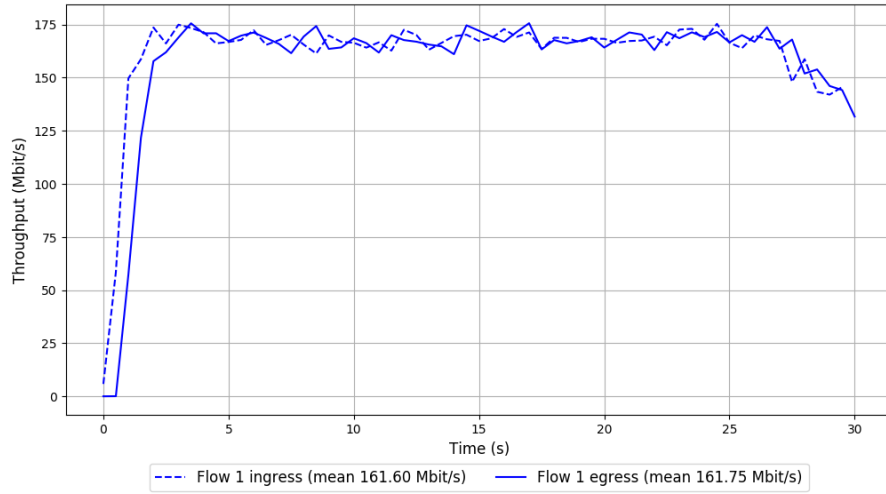


Run 4: Statistics of TaoVA-100x

Start at: 2019-05-30 07:24:25
End at: 2019-05-30 07:24:55
Local clock offset: -2.604 ms
Remote clock offset: -40.401 ms

Below is generated by plot.py at 2019-05-30 08:35:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 161.75 Mbit/s
95th percentile per-packet one-way delay: 132.509 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 161.75 Mbit/s
95th percentile per-packet one-way delay: 132.509 ms
Loss rate: 0.55%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-05-30 07:52:40

End at: 2019-05-30 07:53:10

Local clock offset: -3.468 ms

Remote clock offset: -43.18 ms

Below is generated by plot.py at 2019-05-30 08:35:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 155.20 Mbit/s

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

Loss rate: 0.73%

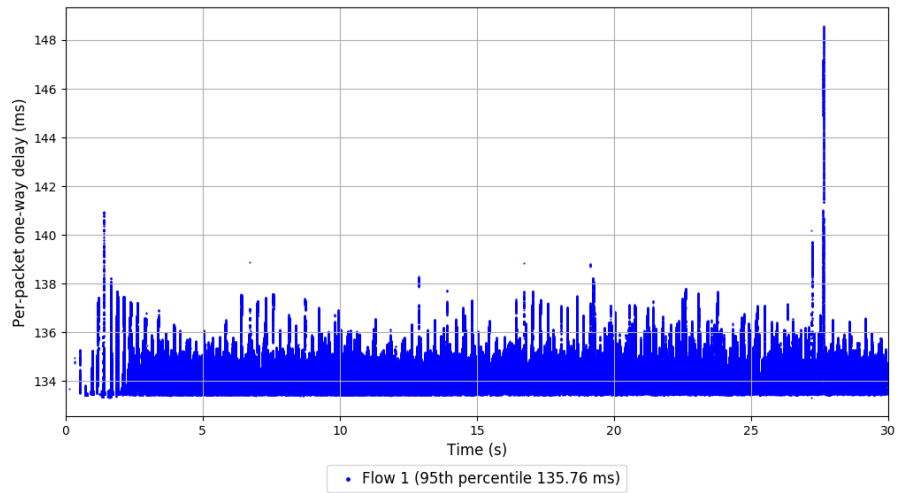
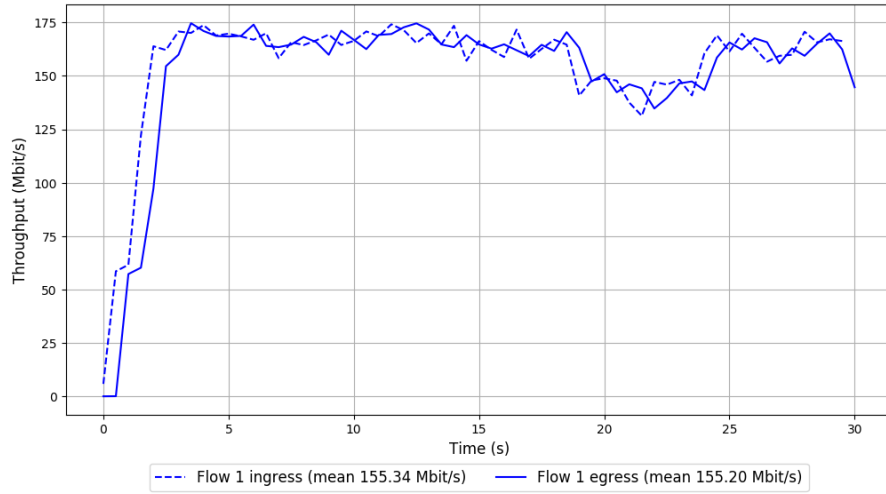
-- Flow 1:

Average throughput: 155.20 Mbit/s

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

Loss rate: 0.73%

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

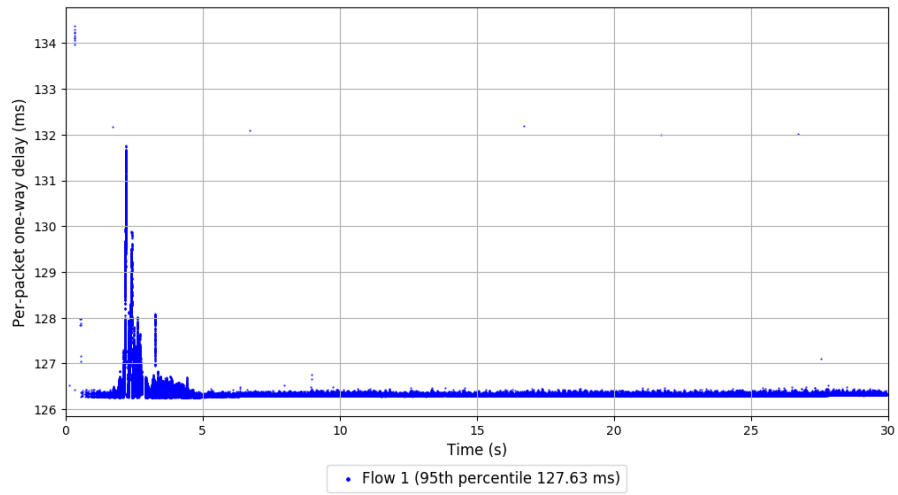
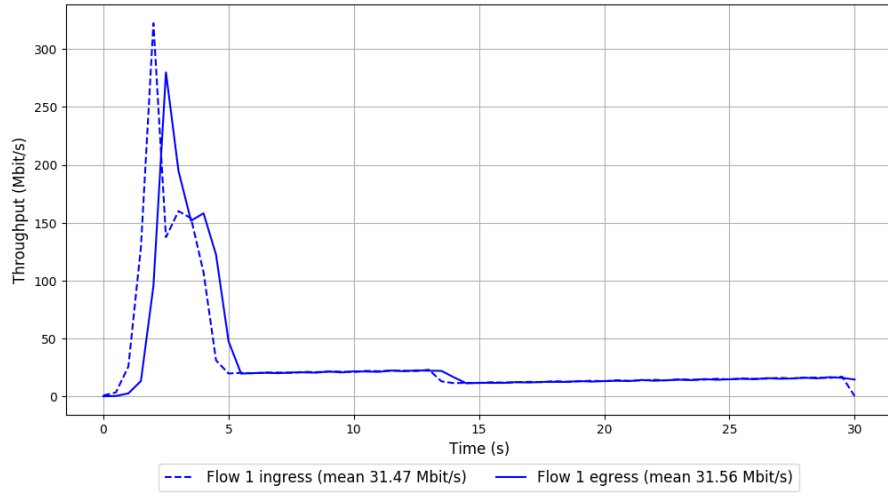


Run 1: Statistics of TCP Vegas

Start at: 2019-05-30 05:53:06
End at: 2019-05-30 05:53:36
Local clock offset: -3.53 ms
Remote clock offset: -35.641 ms

Below is generated by plot.py at 2019-05-30 08:35:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 31.56 Mbit/s
95th percentile per-packet one-way delay: 127.629 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 31.56 Mbit/s
95th percentile per-packet one-way delay: 127.629 ms
Loss rate: 0.34%

Run 1: Report of TCP Vegas — Data Link

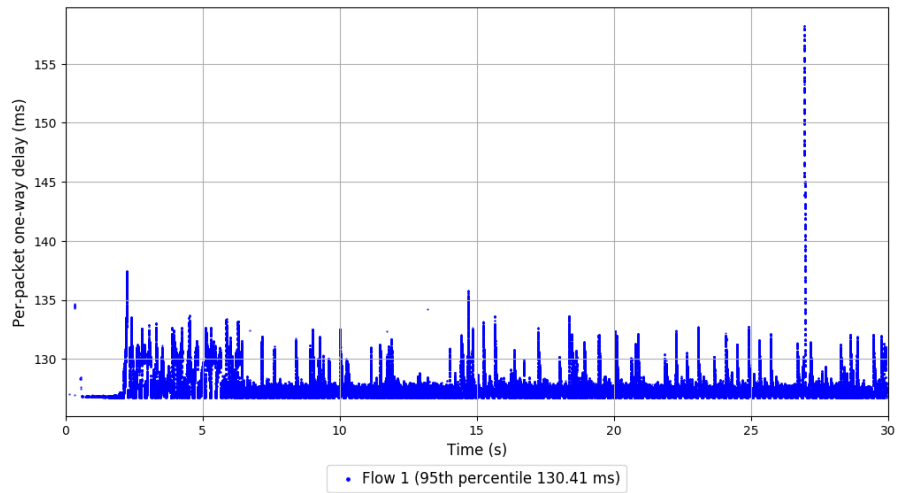
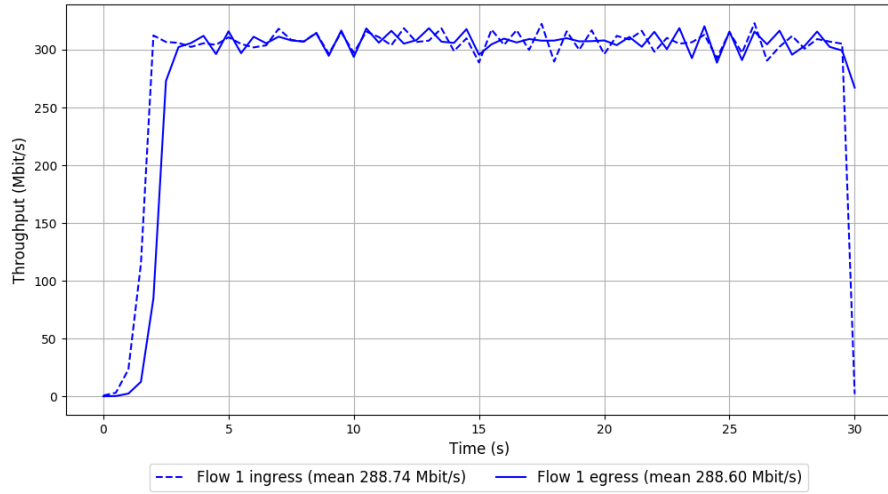


Run 2: Statistics of TCP Vegas

Start at: 2019-05-30 06:21:13
End at: 2019-05-30 06:21:43
Local clock offset: -5.551 ms
Remote clock offset: -39.283 ms

Below is generated by plot.py at 2019-05-30 08:35:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 288.60 Mbit/s
95th percentile per-packet one-way delay: 130.406 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 288.60 Mbit/s
95th percentile per-packet one-way delay: 130.406 ms
Loss rate: 0.70%

Run 2: Report of TCP Vegas — Data Link

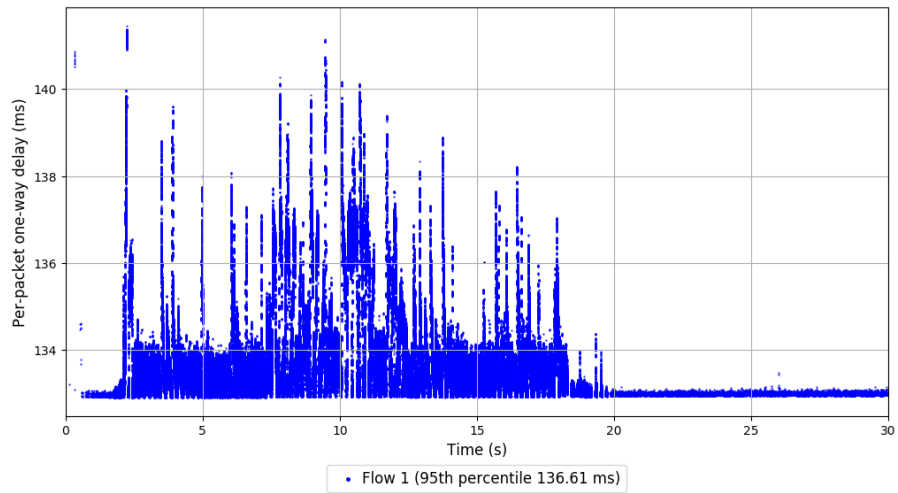
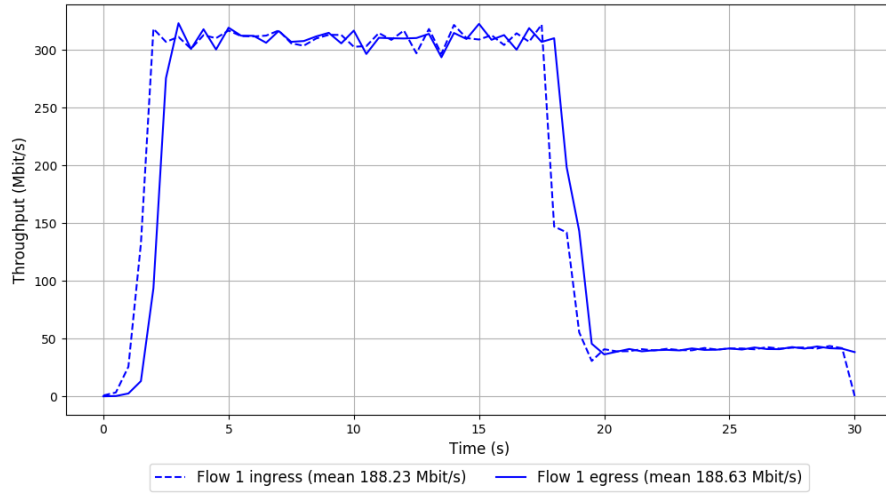


Run 3: Statistics of TCP Vegas

Start at: 2019-05-30 06:49:17
End at: 2019-05-30 06:49:47
Local clock offset: 1.503 ms
Remote clock offset: -37.709 ms

Below is generated by plot.py at 2019-05-30 08:35:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 188.63 Mbit/s
95th percentile per-packet one-way delay: 136.609 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 188.63 Mbit/s
95th percentile per-packet one-way delay: 136.609 ms
Loss rate: 0.43%

Run 3: Report of TCP Vegas — Data Link

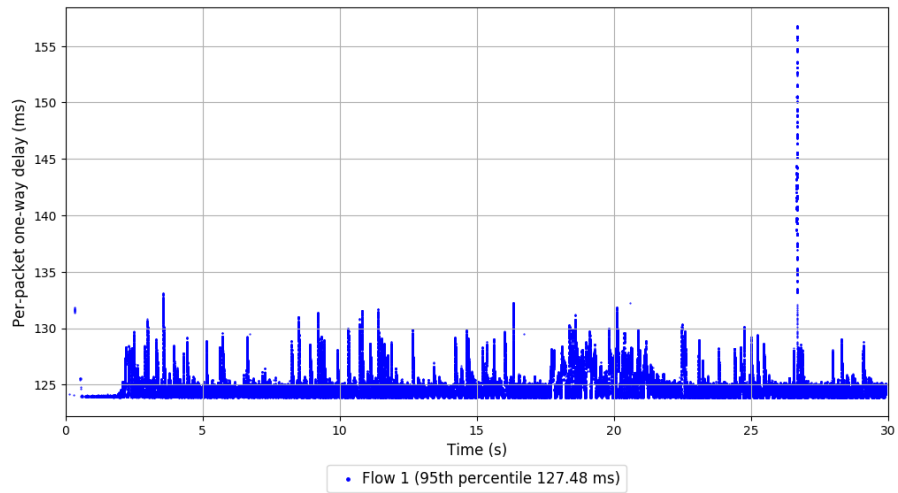
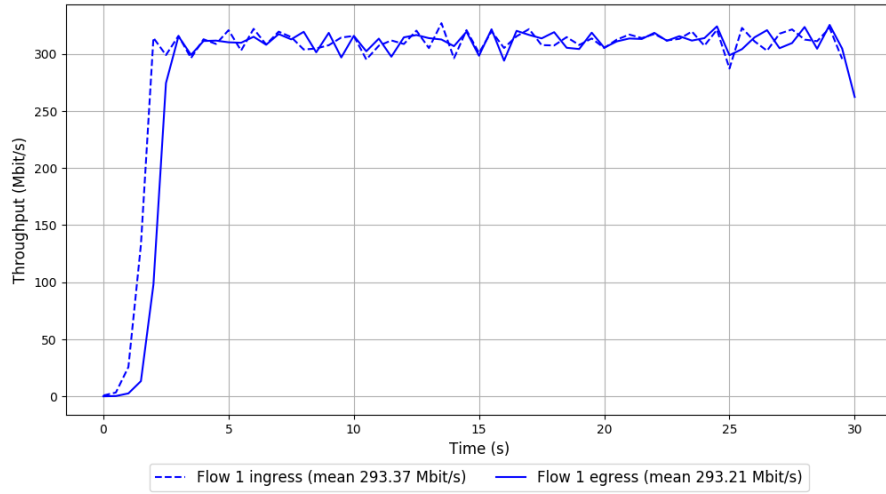


Run 4: Statistics of TCP Vegas

Start at: 2019-05-30 07:17:32
End at: 2019-05-30 07:18:02
Local clock offset: -1.767 ms
Remote clock offset: -32.584 ms

Below is generated by plot.py at 2019-05-30 08:36:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 293.21 Mbit/s
95th percentile per-packet one-way delay: 127.483 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 293.21 Mbit/s
95th percentile per-packet one-way delay: 127.483 ms
Loss rate: 0.70%

Run 4: Report of TCP Vegas — Data Link

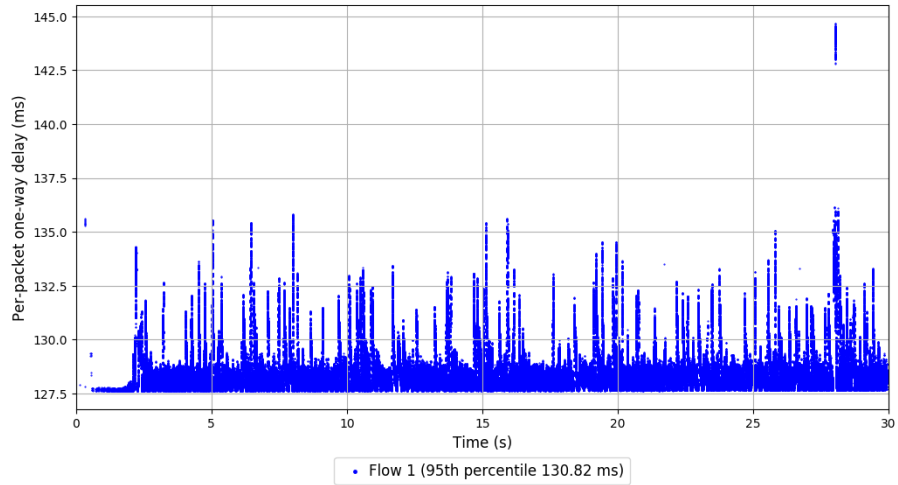
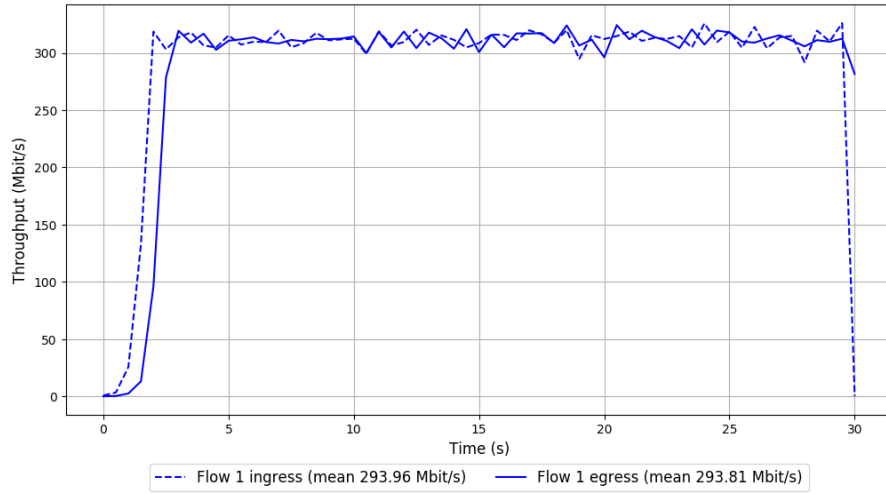


Run 5: Statistics of TCP Vegas

Start at: 2019-05-30 07:45:46
End at: 2019-05-30 07:46:16
Local clock offset: -2.603 ms
Remote clock offset: -36.778 ms

Below is generated by plot.py at 2019-05-30 08:38:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 293.81 Mbit/s
95th percentile per-packet one-way delay: 130.817 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 293.81 Mbit/s
95th percentile per-packet one-way delay: 130.817 ms
Loss rate: 0.69%

Run 5: Report of TCP Vegas — Data Link

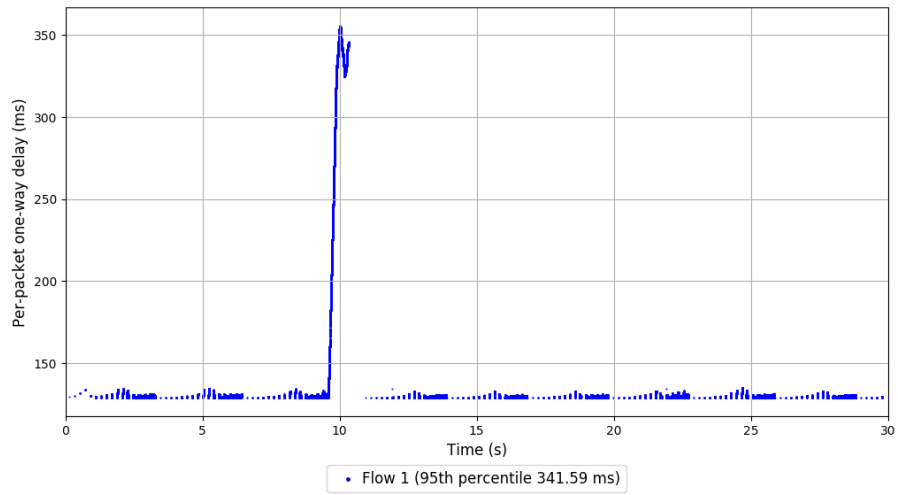
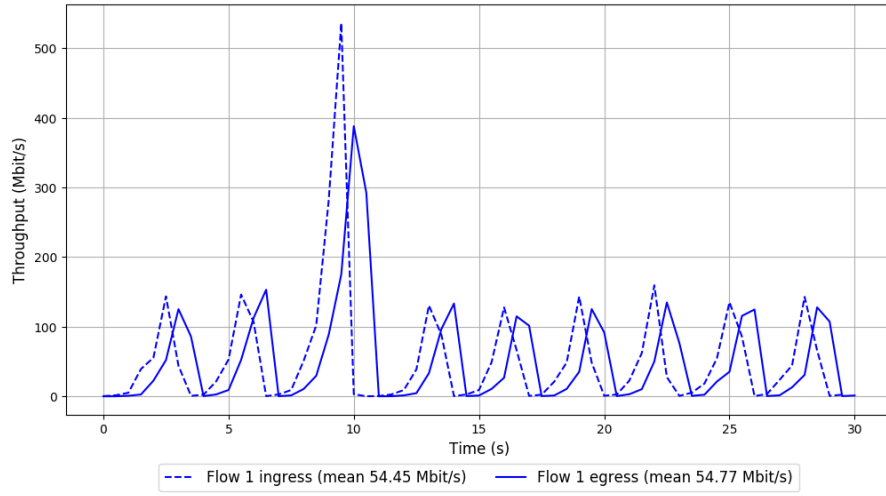


Run 1: Statistics of Verus

Start at: 2019-05-30 05:54:18
End at: 2019-05-30 05:54:48
Local clock offset: -2.57 ms
Remote clock offset: -37.164 ms

Below is generated by plot.py at 2019-05-30 08:38:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 54.77 Mbit/s
95th percentile per-packet one-way delay: 341.591 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 54.77 Mbit/s
95th percentile per-packet one-way delay: 341.591 ms
Loss rate: 0.06%

Run 1: Report of Verus — Data Link

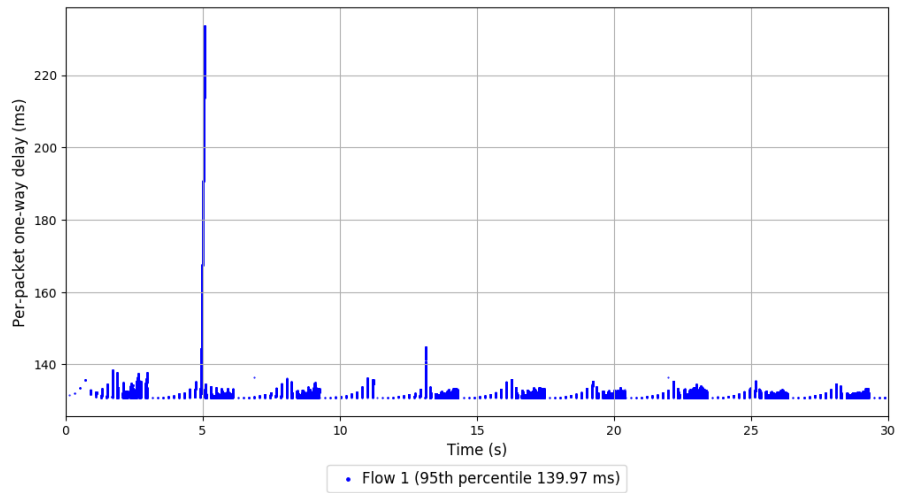
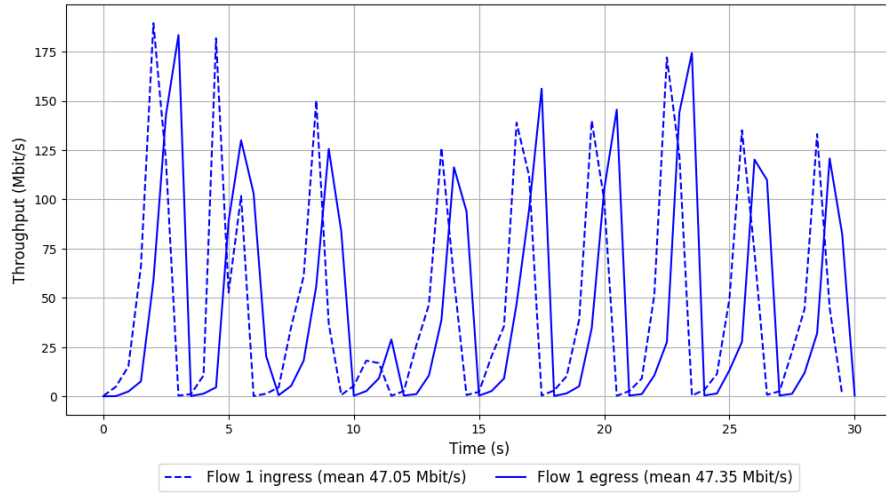


Run 2: Statistics of Verus

Start at: 2019-05-30 06:22:36
End at: 2019-05-30 06:23:06
Local clock offset: -1.878 ms
Remote clock offset: -39.781 ms

Below is generated by plot.py at 2019-05-30 08:38:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 47.35 Mbit/s
95th percentile per-packet one-way delay: 139.967 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 47.35 Mbit/s
95th percentile per-packet one-way delay: 139.967 ms
Loss rate: 0.02%

Run 2: Report of Verus — Data Link

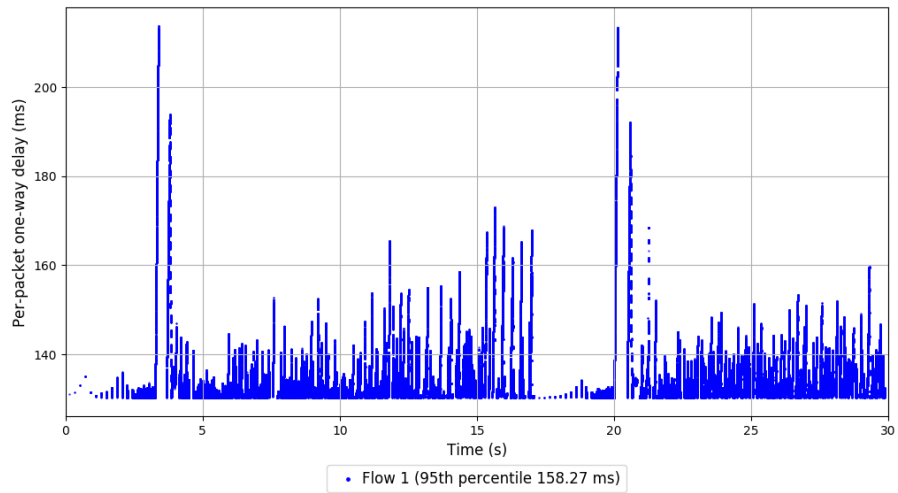
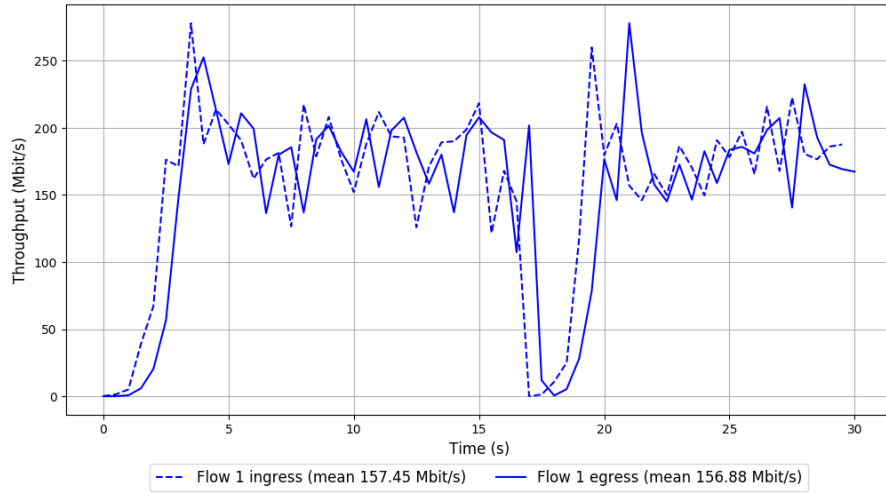


Run 3: Statistics of Verus

Start at: 2019-05-30 06:50:36
End at: 2019-05-30 06:51:06
Local clock offset: 2.241 ms
Remote clock offset: -34.29 ms

Below is generated by plot.py at 2019-05-30 08:38:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 156.88 Mbit/s
95th percentile per-packet one-way delay: 158.268 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 156.88 Mbit/s
95th percentile per-packet one-way delay: 158.268 ms
Loss rate: 0.93%

Run 3: Report of Verus — Data Link

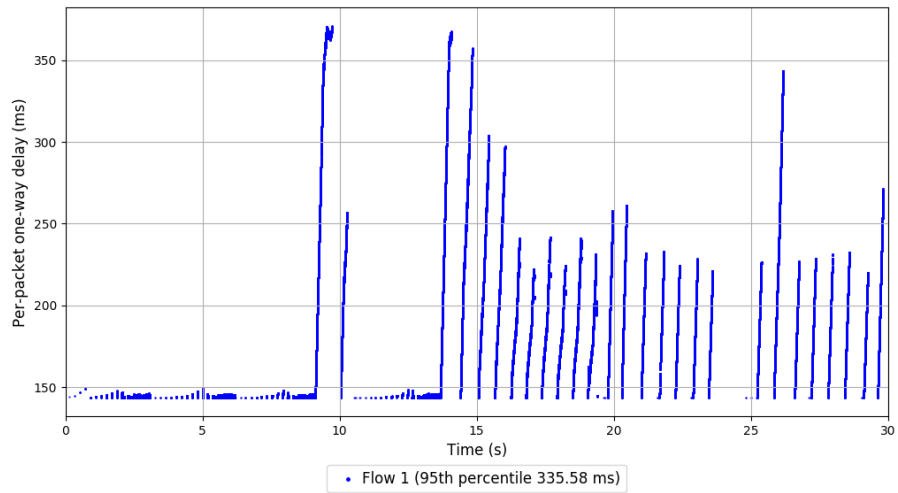
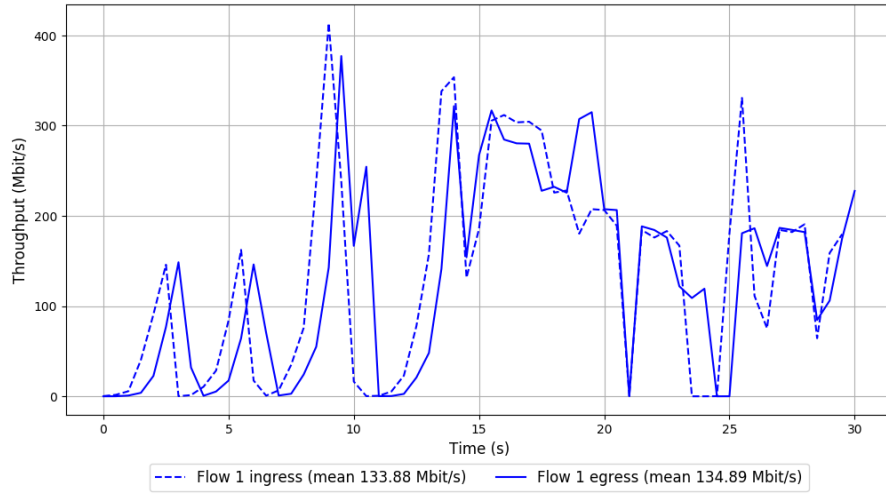


Run 4: Statistics of Verus

Start at: 2019-05-30 07:18:55
End at: 2019-05-30 07:19:25
Local clock offset: 2.882 ms
Remote clock offset: -47.655 ms

```
# Below is generated by plot.py at 2019-05-30 08:38:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 134.89 Mbit/s
95th percentile per-packet one-way delay: 335.581 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 134.89 Mbit/s
95th percentile per-packet one-way delay: 335.581 ms
Loss rate: 0.03%
```

Run 4: Report of Verus — Data Link

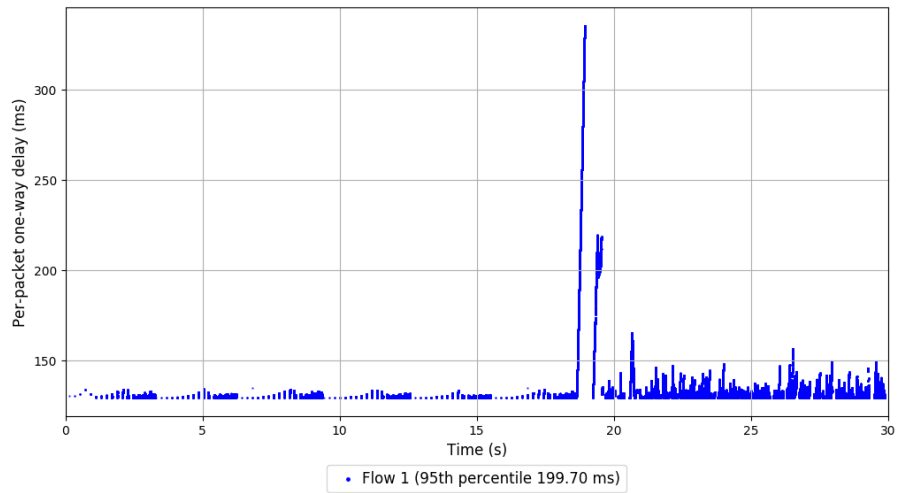
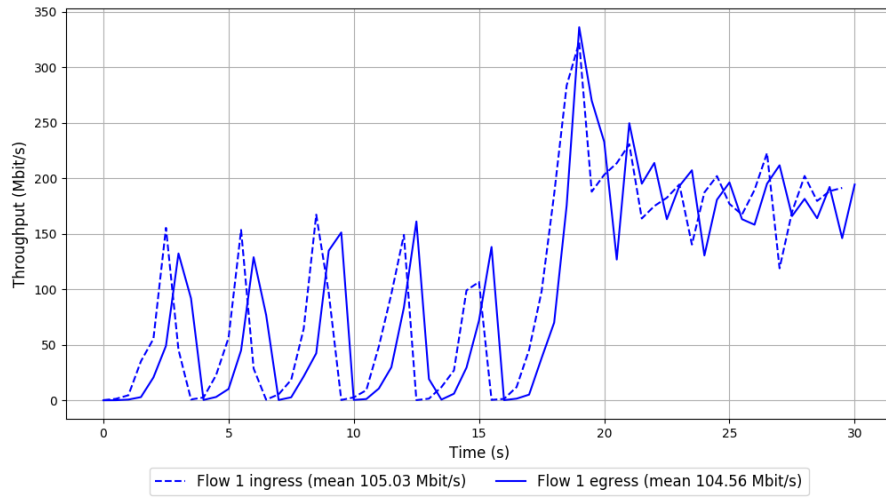


Run 5: Statistics of Verus

Start at: 2019-05-30 07:47:09
End at: 2019-05-30 07:47:39
Local clock offset: 1.644 ms
Remote clock offset: -34.093 ms

Below is generated by plot.py at 2019-05-30 08:38:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 104.56 Mbit/s
95th percentile per-packet one-way delay: 199.700 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 104.56 Mbit/s
95th percentile per-packet one-way delay: 199.700 ms
Loss rate: 1.25%

Run 5: Report of Verus — Data Link

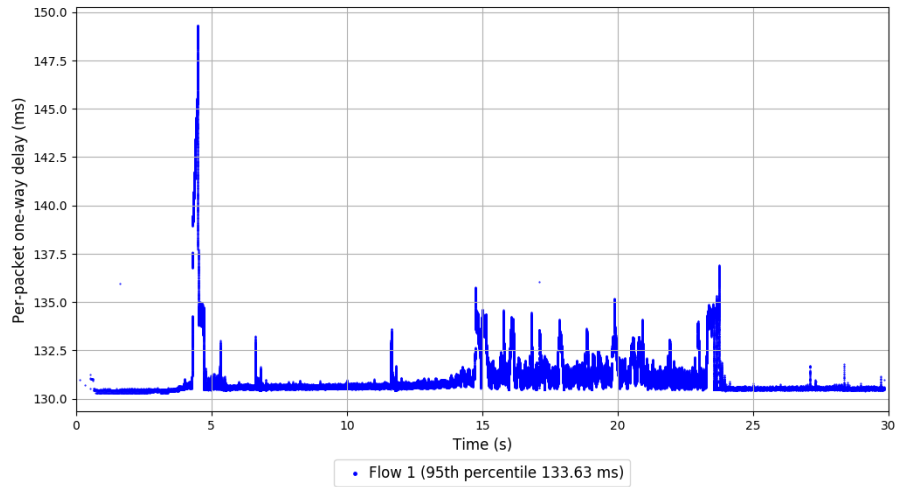
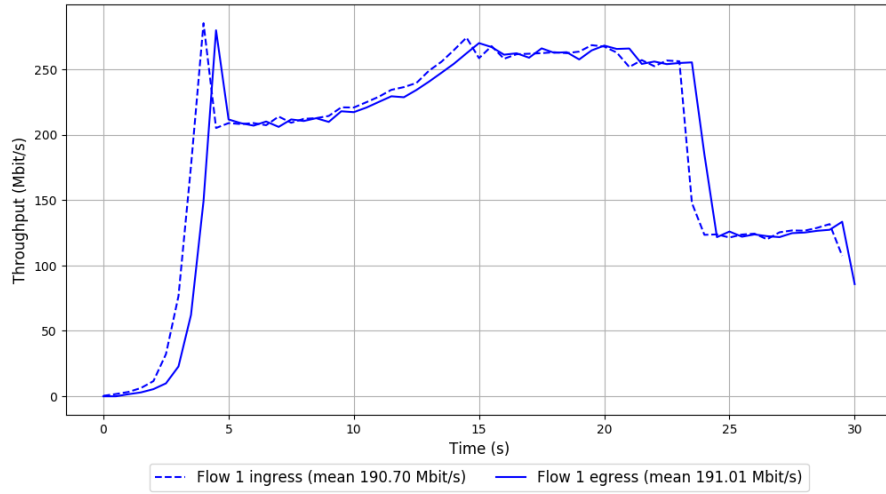


Run 1: Statistics of PCC-Vivace

Start at: 2019-05-30 05:41:02
End at: 2019-05-30 05:41:32
Local clock offset: -3.039 ms
Remote clock offset: -40.176 ms

Below is generated by plot.py at 2019-05-30 08:38:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 191.01 Mbit/s
95th percentile per-packet one-way delay: 133.630 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 191.01 Mbit/s
95th percentile per-packet one-way delay: 133.630 ms
Loss rate: 0.48%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-05-30 06:09:04

End at: 2019-05-30 06:09:34

Local clock offset: 1.724 ms

Remote clock offset: -35.602 ms

Below is generated by plot.py at 2019-05-30 08:38:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.19 Mbit/s

95th percentile per-packet one-way delay: 134.946 ms

Loss rate: 0.81%

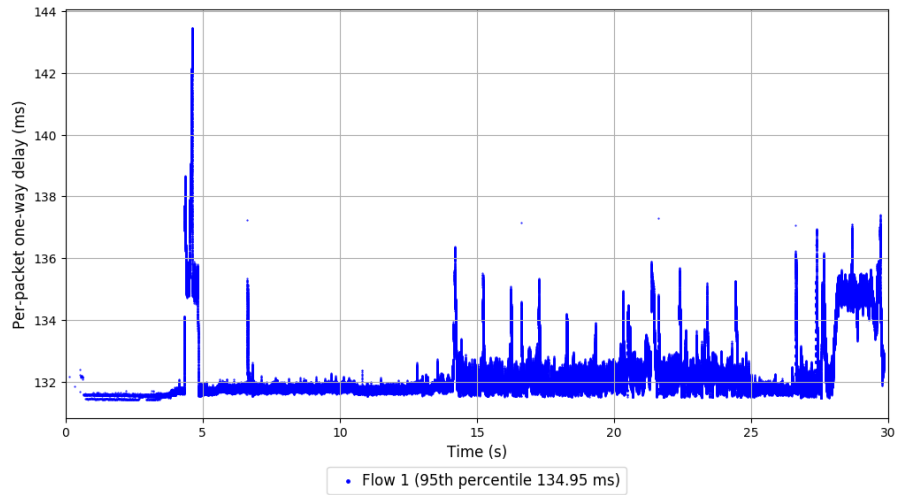
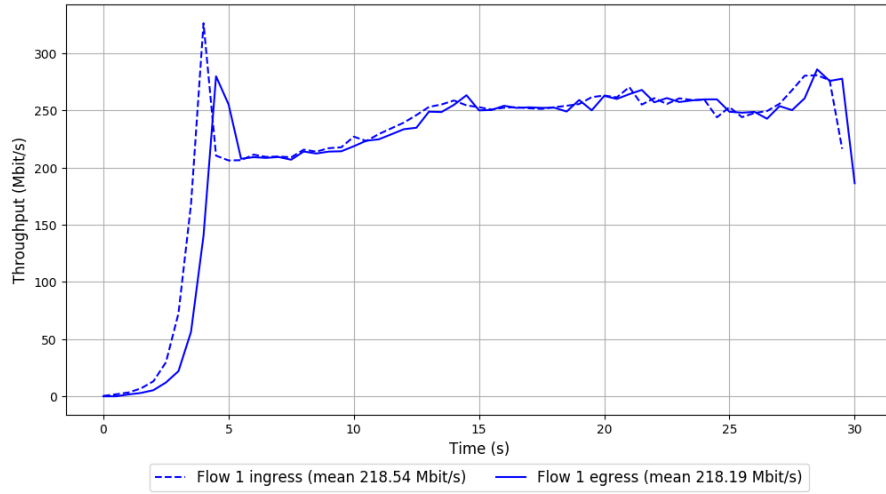
-- Flow 1:

Average throughput: 218.19 Mbit/s

95th percentile per-packet one-way delay: 134.946 ms

Loss rate: 0.81%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-05-30 06:37:09

End at: 2019-05-30 06:37:39

Local clock offset: 2.469 ms

Remote clock offset: -34.88 ms

Below is generated by plot.py at 2019-05-30 08:38:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.52 Mbit/s

95th percentile per-packet one-way delay: 133.881 ms

Loss rate: 0.74%

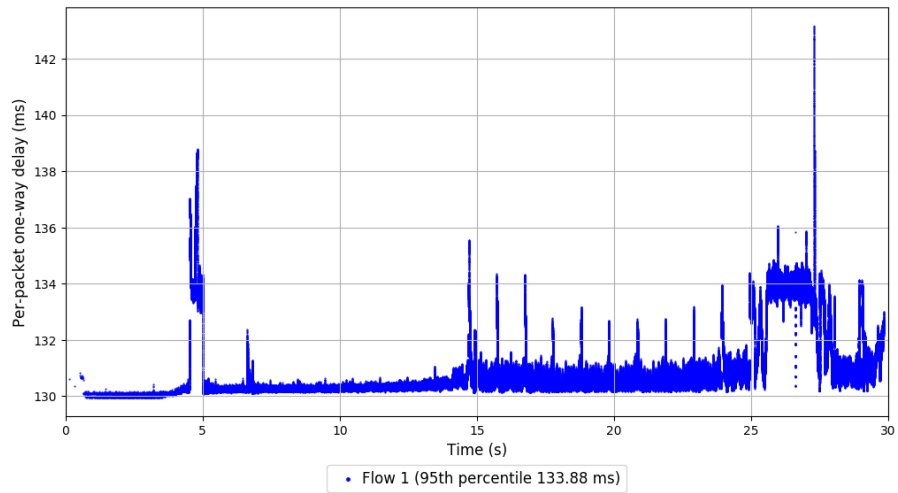
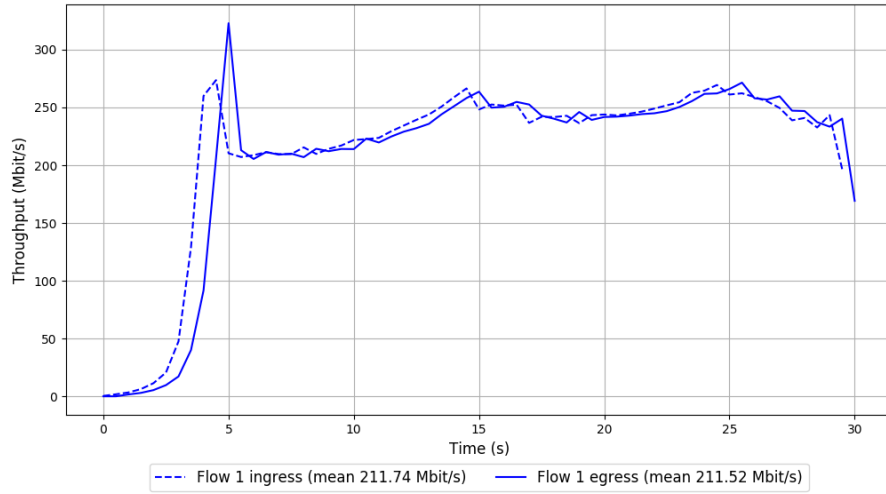
-- Flow 1:

Average throughput: 211.52 Mbit/s

95th percentile per-packet one-way delay: 133.881 ms

Loss rate: 0.74%

Run 3: Report of PCC-Vivace — Data Link

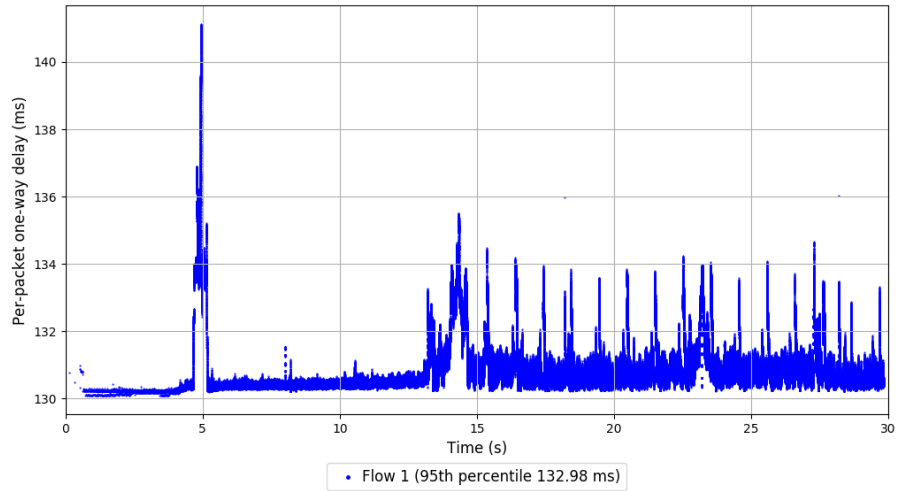
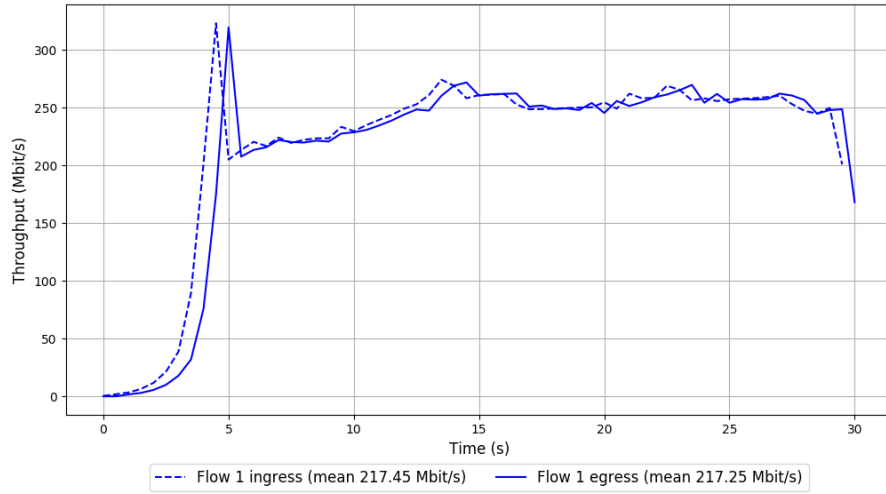


Run 4: Statistics of PCC-Vivace

Start at: 2019-05-30 07:05:23
End at: 2019-05-30 07:05:53
Local clock offset: 1.146 ms
Remote clock offset: -34.699 ms

Below is generated by plot.py at 2019-05-30 08:38:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.25 Mbit/s
95th percentile per-packet one-way delay: 132.980 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 217.25 Mbit/s
95th percentile per-packet one-way delay: 132.980 ms
Loss rate: 0.73%

Run 4: Report of PCC-Vivace — Data Link

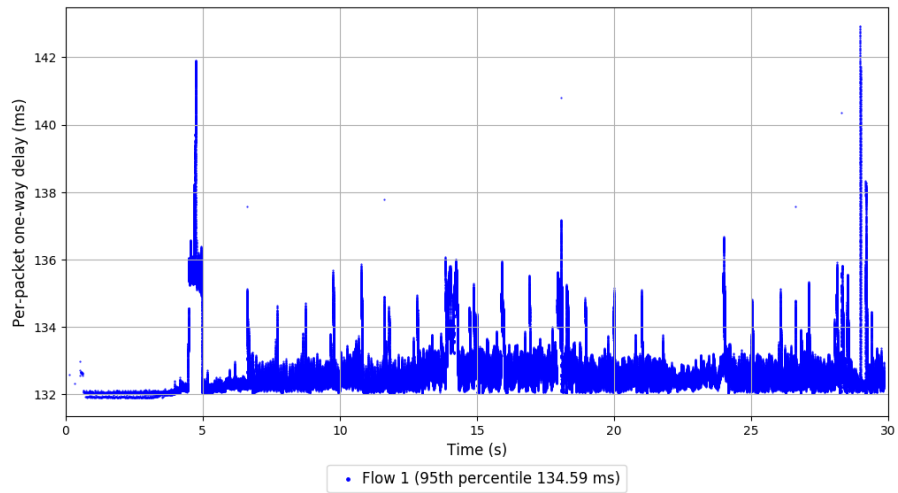
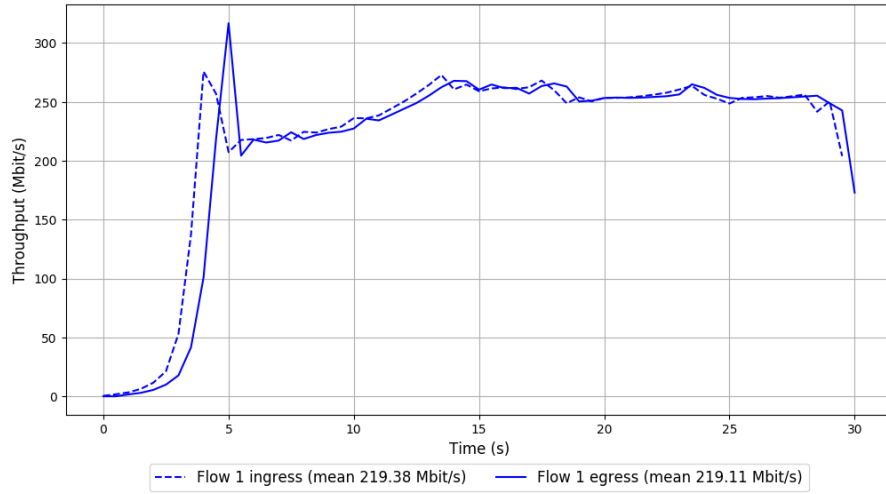


Run 5: Statistics of PCC-Vivace

Start at: 2019-05-30 07:33:37
End at: 2019-05-30 07:34:07
Local clock offset: 3.221 ms
Remote clock offset: -36.487 ms

Below is generated by plot.py at 2019-05-30 08:38:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.11 Mbit/s
95th percentile per-packet one-way delay: 134.593 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 219.11 Mbit/s
95th percentile per-packet one-way delay: 134.593 ms
Loss rate: 0.76%

Run 5: Report of PCC-Vivace — Data Link

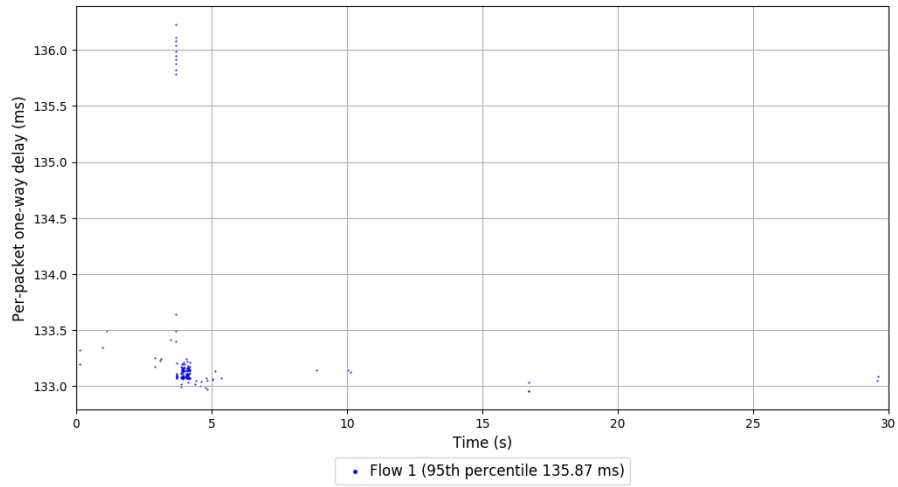
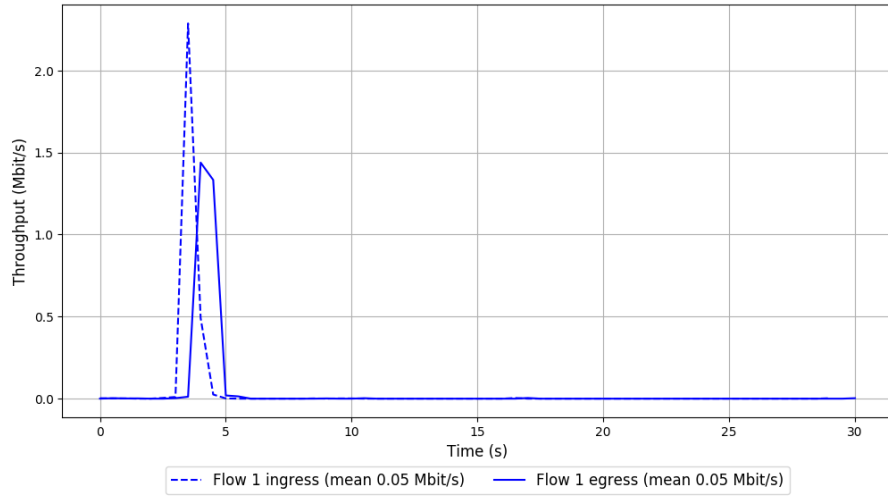


Run 1: Statistics of WebRTC media

Start at: 2019-05-30 05:42:25
End at: 2019-05-30 05:42:55
Local clock offset: -3.005 ms
Remote clock offset: -42.655 ms

Below is generated by plot.py at 2019-05-30 08:38:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 135.874 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 135.874 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

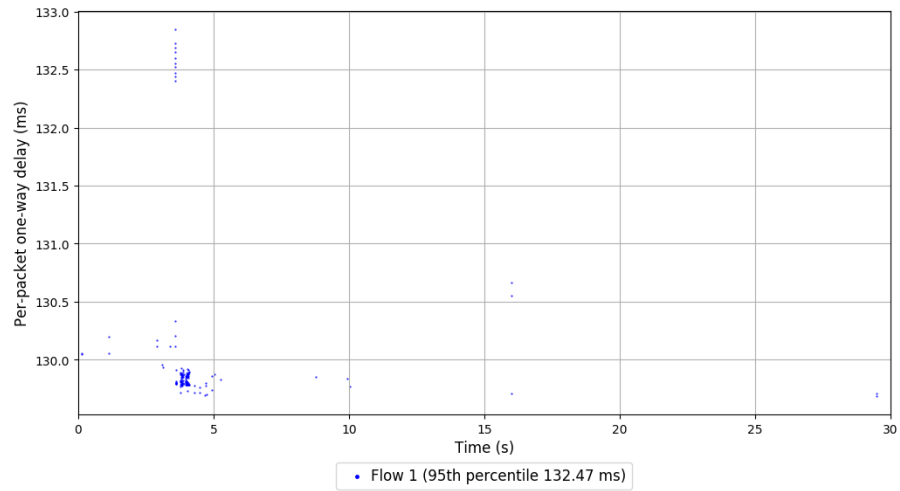
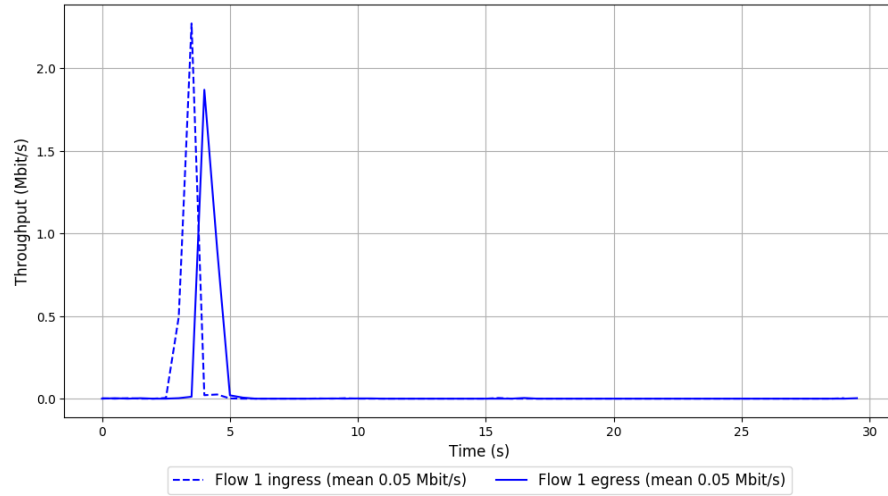


Run 2: Statistics of WebRTC media

Start at: 2019-05-30 06:10:29
End at: 2019-05-30 06:10:59
Local clock offset: -2.912 ms
Remote clock offset: -38.764 ms

Below is generated by plot.py at 2019-05-30 08:38:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 132.473 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 132.473 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

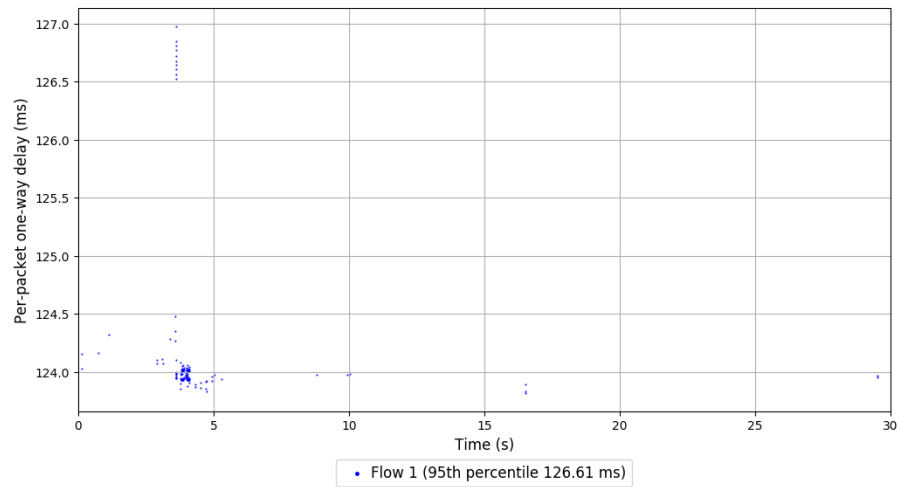
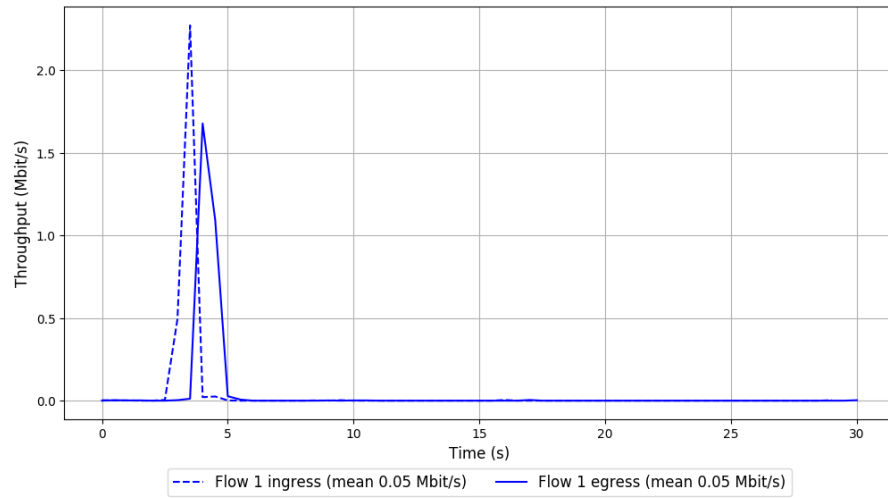


Run 3: Statistics of WebRTC media

Start at: 2019-05-30 06:38:32
End at: 2019-05-30 06:39:02
Local clock offset: -1.872 ms
Remote clock offset: -32.824 ms

Below is generated by plot.py at 2019-05-30 08:38:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 126.607 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 126.607 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

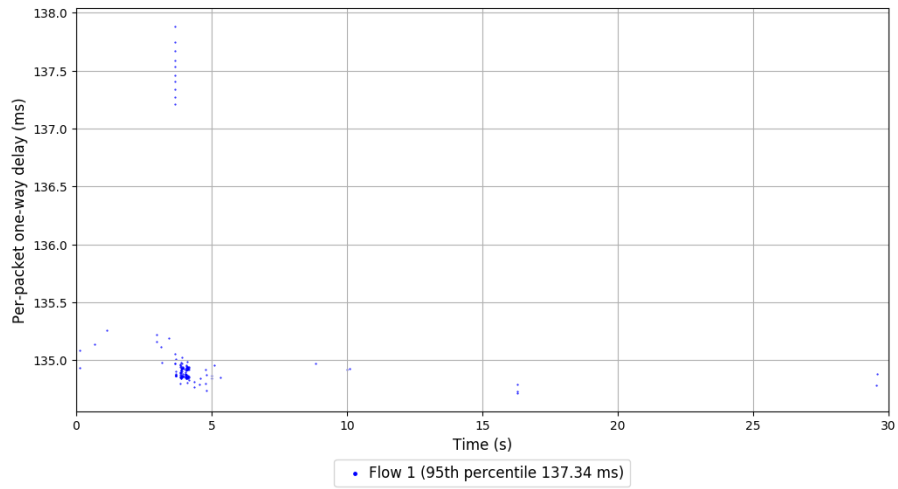
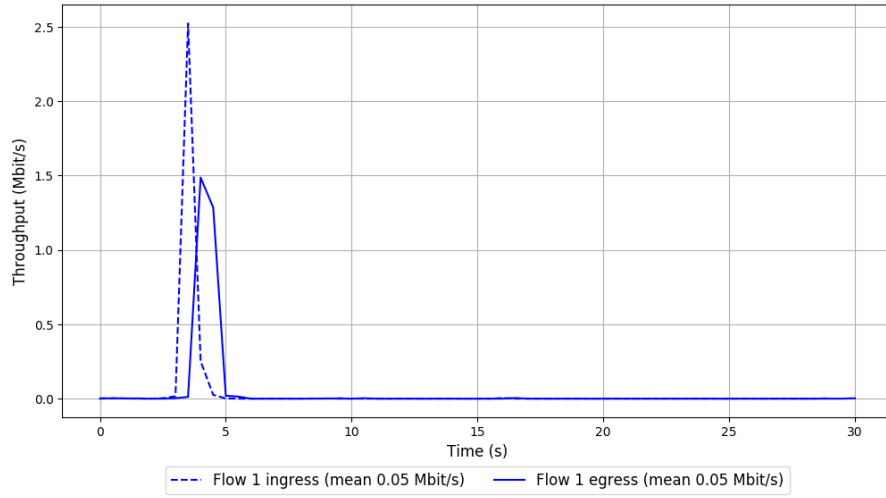


Run 4: Statistics of WebRTC media

Start at: 2019-05-30 07:06:46
End at: 2019-05-30 07:07:17
Local clock offset: 1.516 ms
Remote clock offset: -38.897 ms

```
# Below is generated by plot.py at 2019-05-30 08:38:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 137.343 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 137.343 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-05-30 07:35:00
End at: 2019-05-30 07:35:31
Local clock offset: 2.717 ms
Remote clock offset: -36.573 ms

Below is generated by plot.py at 2019-05-30 08:38:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 134.331 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 134.331 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

