

Pantheon Report

Generated at 2019-08-27 08:11:40 (UTC).

Data path: Colombia on **p4p1** (*remote*) → AWS Brazil 2 on **ens5** (*local*).

Repeated the test of 24 congestion control schemes 5 times.

Each test lasted for 30 seconds running 1 flow.

NTP offsets were measured against **gps.ntp.br** and have been applied to correct the timestamps in logs.

System info:

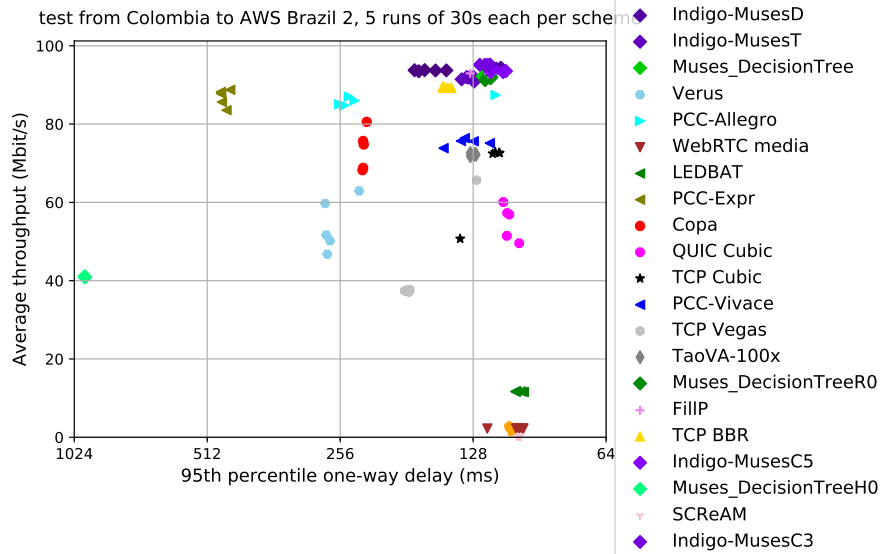
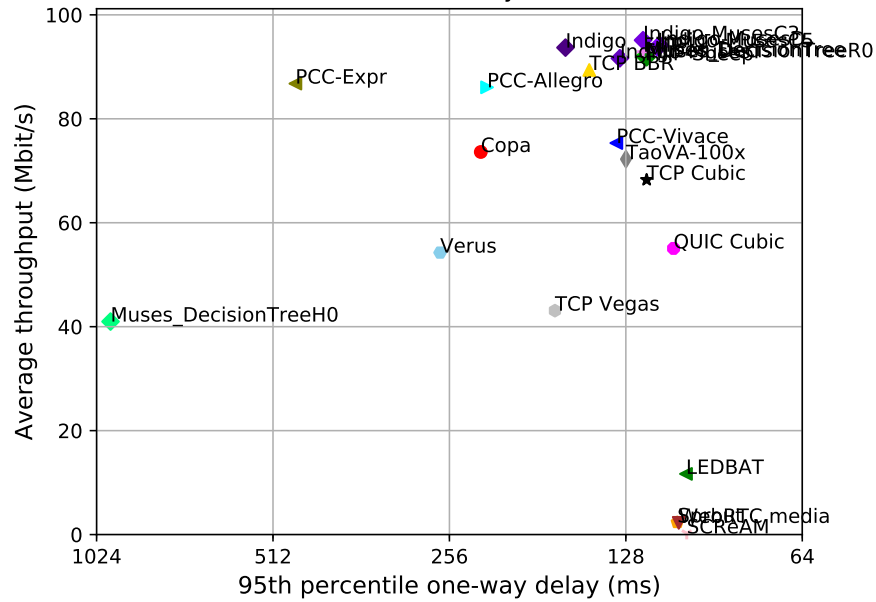
```
Linux 4.15.0-1043-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ de42328552b3776a75a932a94dfafd722537b0ec
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/muses_dtree @ 387225f7b5f61ddbe92d708a8869ffbb84eb3200
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
```

third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851

test from Colombia to AWS Brazil 2, 5 runs of 30s each per scheme
(mean of all runs by scheme)



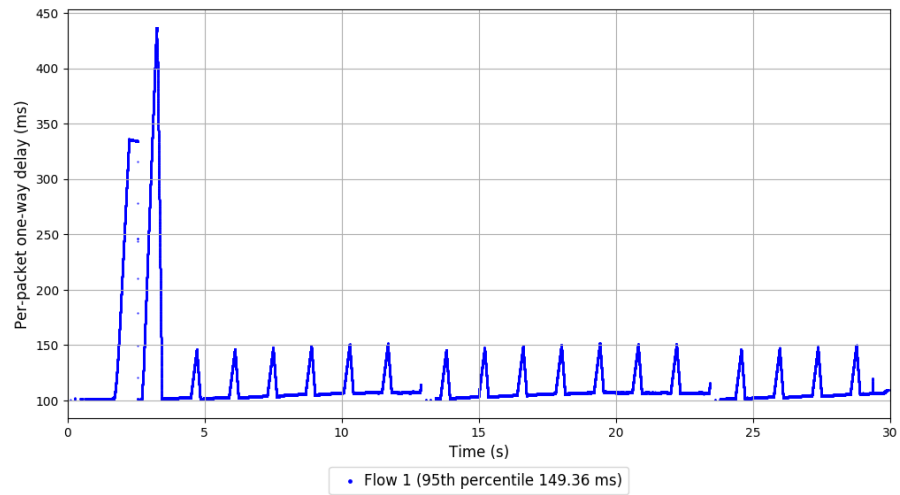
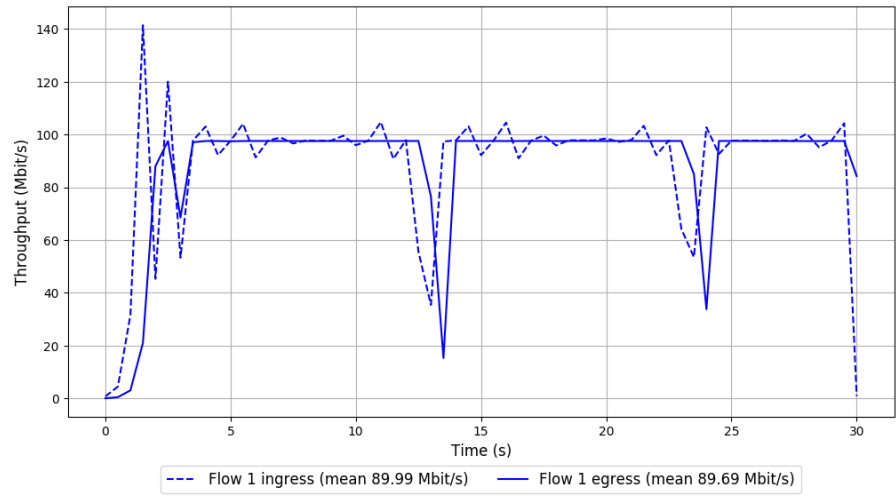
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	89.39	147.78	0.91
Copa	5	73.61	226.31	0.75
TCP Cubic	5	68.26	117.97	0.72
FillP	5	92.90	119.58	0.61
FillP-Sheep	5	91.26	118.74	0.63
Indigo	5	93.69	162.27	1.18
Indigo-MusesC3	5	95.12	119.64	6.48
Indigo-MusesC5	5	93.77	113.16	4.20
Indigo-MusesD	5	94.11	111.94	1.88
Indigo-MusesT	5	91.65	131.05	7.34
LEDBAT	5	11.68	101.08	1.17
Muses_DecisionTree	5	92.06	118.82	3.17
Muses_DecisionTreeH0	5	40.98	969.37	0.56
Muses_DecisionTreeR0	5	91.84	117.98	3.13
PCC-Allegro	5	86.05	220.81	0.86
PCC-Expr	5	86.77	468.92	1.46
QUIC Cubic	5	55.06	106.12	0.90
SCReAM	5	0.22	100.77	0.59
Sprout	5	2.35	104.58	0.77
TaoVA-100x	5	72.23	127.96	0.57
TCP Vegas	5	43.08	169.12	0.67
Verus	5	54.25	265.56	1.02
PCC-Vivace	5	75.34	132.89	0.78
WebRTC media	5	2.25	103.98	0.40

Run 1: Statistics of TCP BBR

Start at: 2019-08-27 05:48:42
End at: 2019-08-27 05:49:12
Local clock offset: -0.764 ms
Remote clock offset: -30.015 ms

Below is generated by plot.py at 2019-08-27 07:58:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.69 Mbit/s
95th percentile per-packet one-way delay: 149.356 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 89.69 Mbit/s
95th percentile per-packet one-way delay: 149.356 ms
Loss rate: 0.90%

Run 1: Report of TCP BBR — Data Link

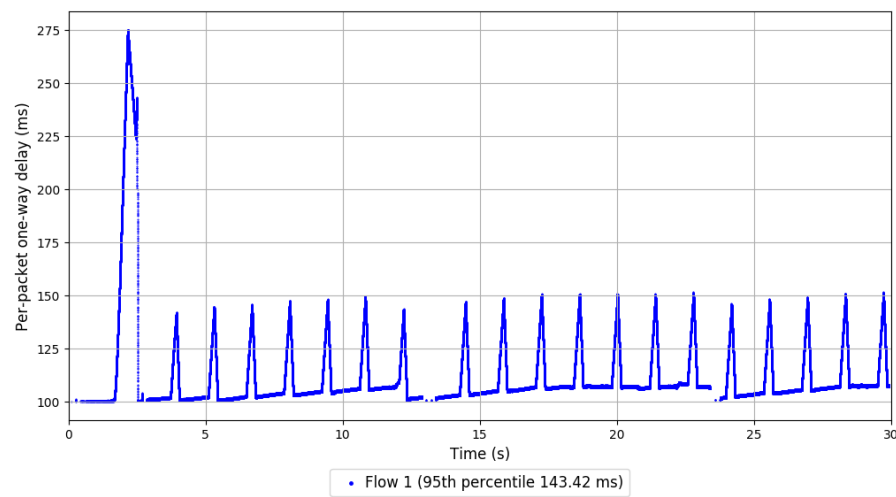
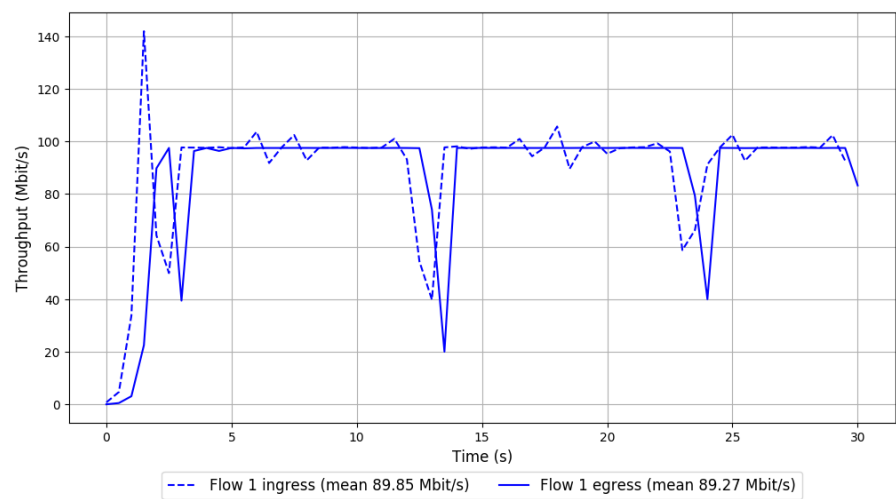


Run 2: Statistics of TCP BBR

Start at: 2019-08-27 06:17:11
End at: 2019-08-27 06:17:41
Local clock offset: -0.037 ms
Remote clock offset: -30.316 ms

Below is generated by plot.py at 2019-08-27 07:58:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.27 Mbit/s
95th percentile per-packet one-way delay: 143.420 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 89.27 Mbit/s
95th percentile per-packet one-way delay: 143.420 ms
Loss rate: 1.21%

Run 2: Report of TCP BBR — Data Link

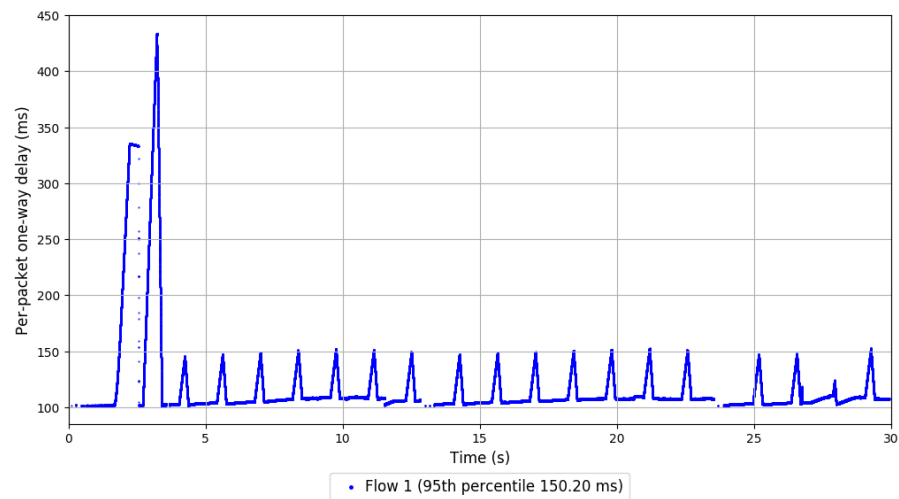
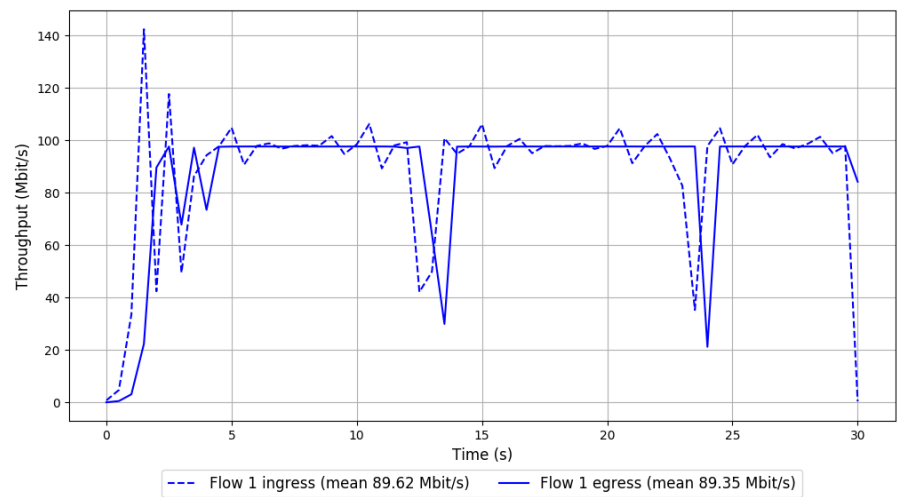


Run 3: Statistics of TCP BBR

Start at: 2019-08-27 06:45:45
End at: 2019-08-27 06:46:15
Local clock offset: -0.279 ms
Remote clock offset: -32.542 ms

Below is generated by plot.py at 2019-08-27 07:58:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.35 Mbit/s
95th percentile per-packet one-way delay: 150.196 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 89.35 Mbit/s
95th percentile per-packet one-way delay: 150.196 ms
Loss rate: 0.87%

Run 3: Report of TCP BBR — Data Link

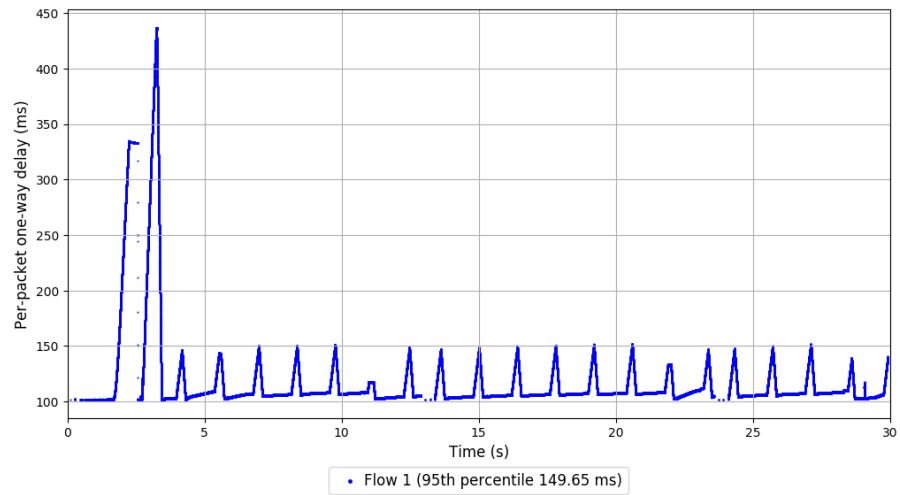
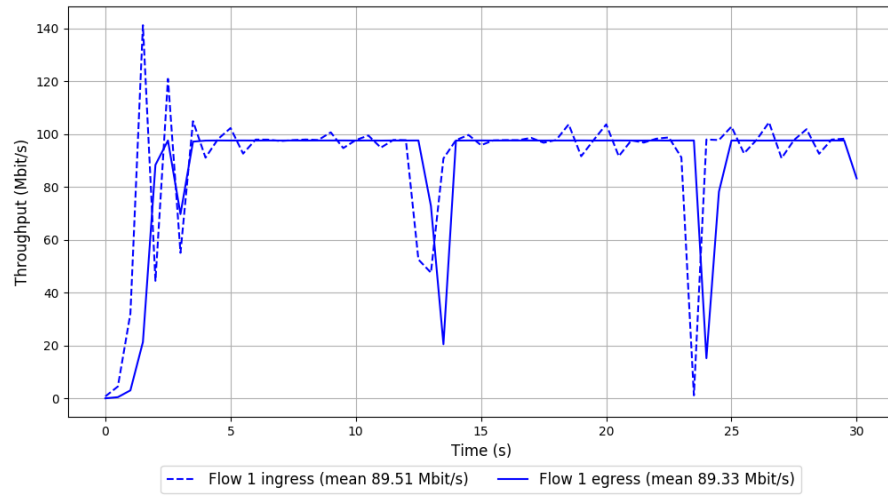


Run 4: Statistics of TCP BBR

Start at: 2019-08-27 07:14:17
End at: 2019-08-27 07:14:47
Local clock offset: -0.182 ms
Remote clock offset: -27.23 ms

Below is generated by plot.py at 2019-08-27 07:58:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.33 Mbit/s
95th percentile per-packet one-way delay: 149.652 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 89.33 Mbit/s
95th percentile per-packet one-way delay: 149.652 ms
Loss rate: 0.77%

Run 4: Report of TCP BBR — Data Link

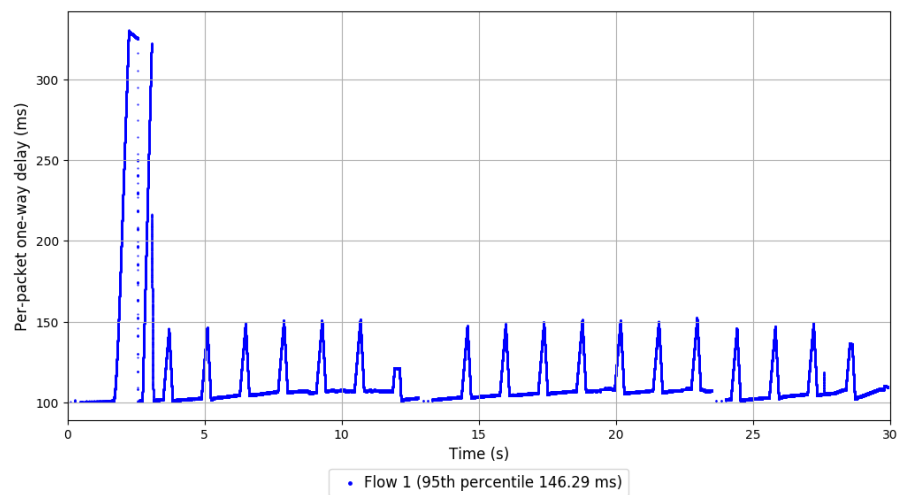
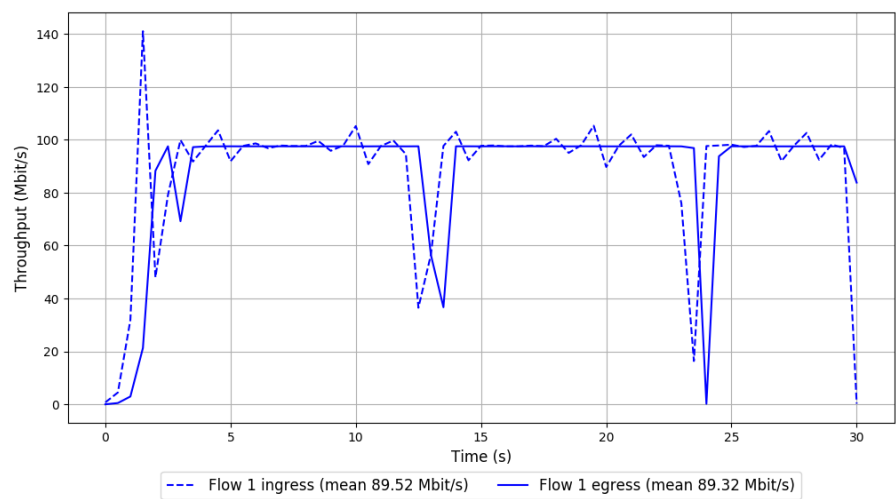


Run 5: Statistics of TCP BBR

Start at: 2019-08-27 07:42:49
End at: 2019-08-27 07:43:19
Local clock offset: -0.095 ms
Remote clock offset: -21.264 ms

Below is generated by plot.py at 2019-08-27 07:58:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.32 Mbit/s
95th percentile per-packet one-way delay: 146.287 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 89.32 Mbit/s
95th percentile per-packet one-way delay: 146.287 ms
Loss rate: 0.80%

Run 5: Report of TCP BBR — Data Link

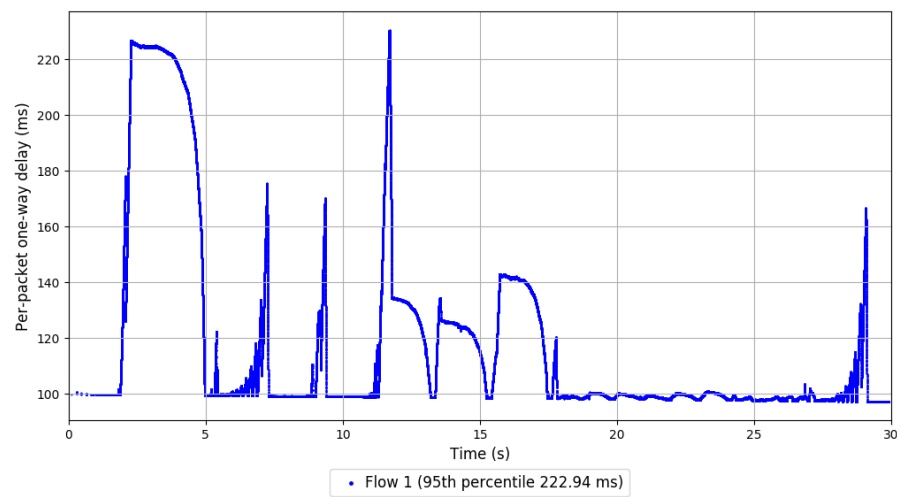
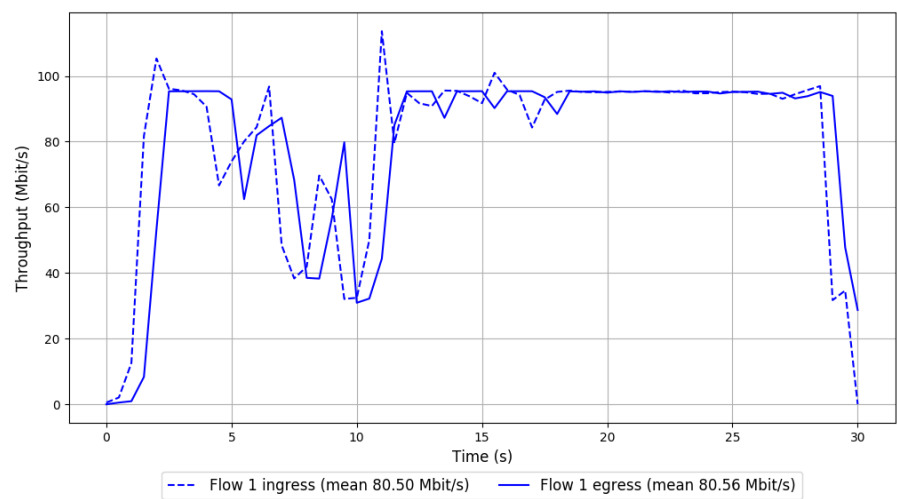


Run 1: Statistics of Copa

Start at: 2019-08-27 05:45:05
End at: 2019-08-27 05:45:35
Local clock offset: 0.016 ms
Remote clock offset: -34.393 ms

Below is generated by plot.py at 2019-08-27 07:58:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.56 Mbit/s
95th percentile per-packet one-way delay: 222.943 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 80.56 Mbit/s
95th percentile per-packet one-way delay: 222.943 ms
Loss rate: 0.51%

Run 1: Report of Copa — Data Link

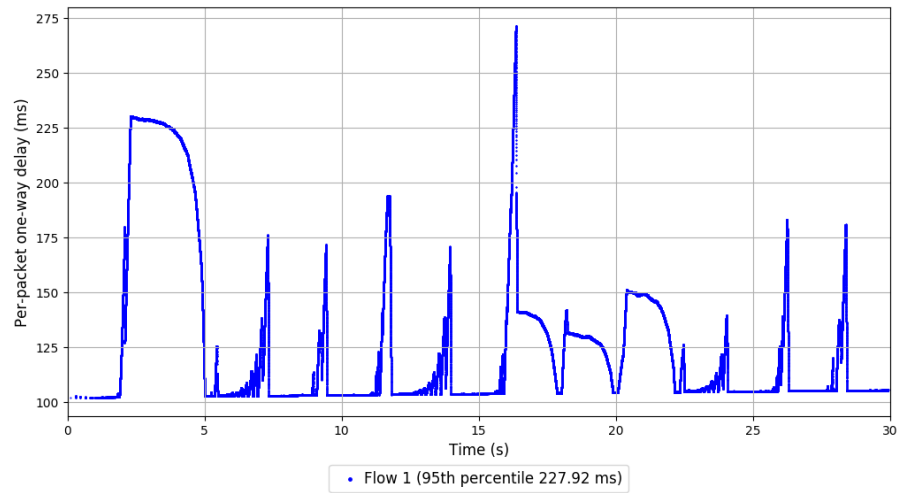
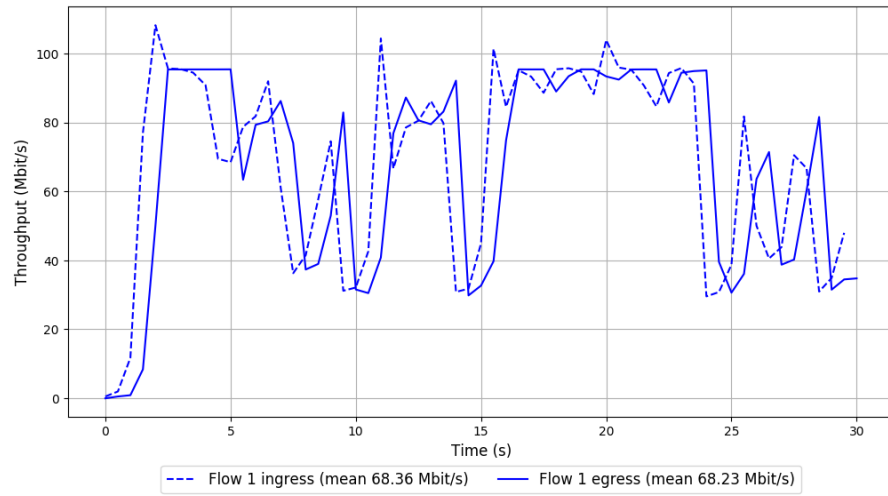


Run 2: Statistics of Copa

Start at: 2019-08-27 06:13:35
End at: 2019-08-27 06:14:05
Local clock offset: -0.018 ms
Remote clock offset: -47.371 ms

Below is generated by plot.py at 2019-08-27 07:58:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.23 Mbit/s
95th percentile per-packet one-way delay: 227.919 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 68.23 Mbit/s
95th percentile per-packet one-way delay: 227.919 ms
Loss rate: 0.75%

Run 2: Report of Copa — Data Link

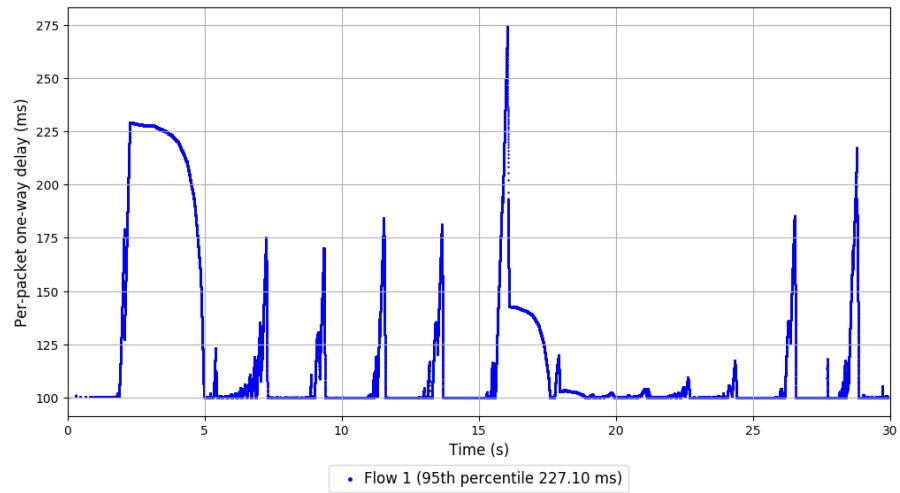
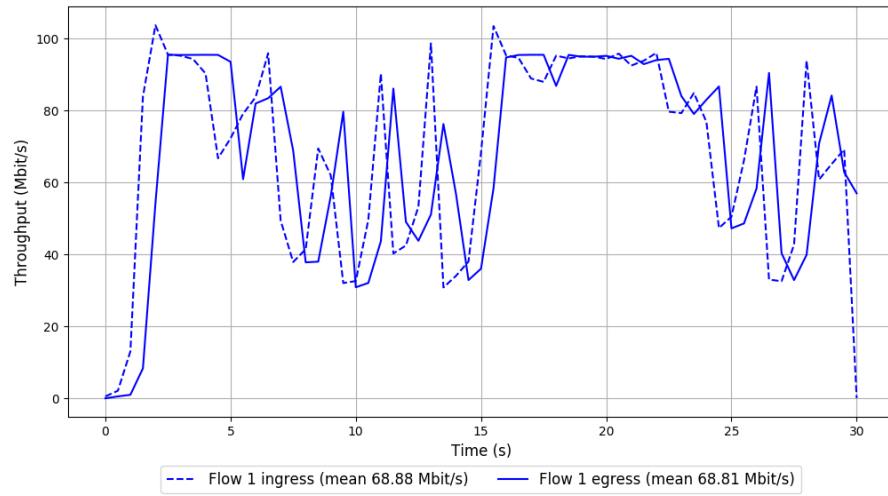


Run 3: Statistics of Copa

Start at: 2019-08-27 06:42:08
End at: 2019-08-27 06:42:38
Local clock offset: -0.256 ms
Remote clock offset: -28.07 ms

Below is generated by plot.py at 2019-08-27 07:58:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.81 Mbit/s
95th percentile per-packet one-way delay: 227.098 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 68.81 Mbit/s
95th percentile per-packet one-way delay: 227.098 ms
Loss rate: 0.67%

Run 3: Report of Copa — Data Link

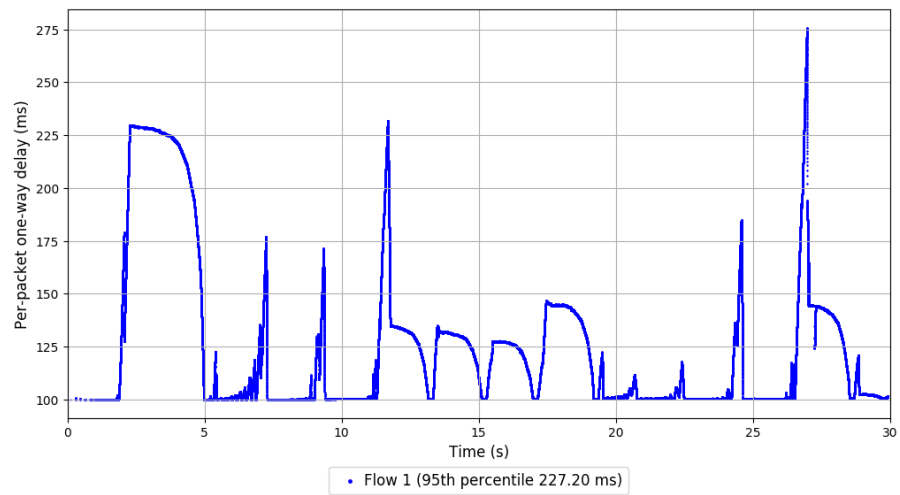
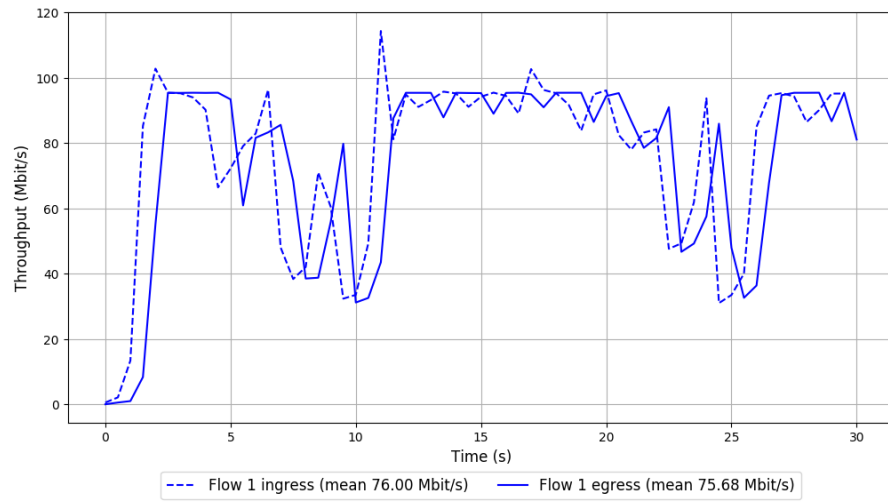


Run 4: Statistics of Copa

Start at: 2019-08-27 07:10:39
End at: 2019-08-27 07:11:09
Local clock offset: -0.178 ms
Remote clock offset: -29.261 ms

Below is generated by plot.py at 2019-08-27 07:59:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.68 Mbit/s
95th percentile per-packet one-way delay: 227.198 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 75.68 Mbit/s
95th percentile per-packet one-way delay: 227.198 ms
Loss rate: 0.99%

Run 4: Report of Copa — Data Link

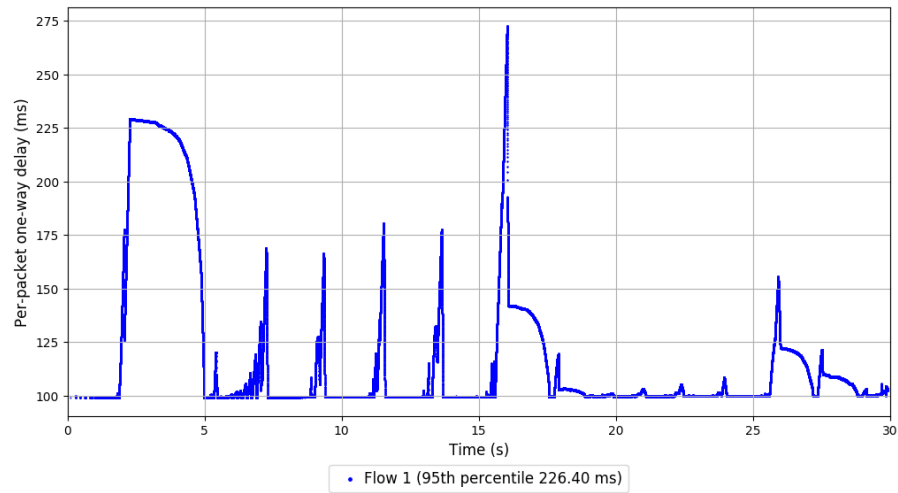
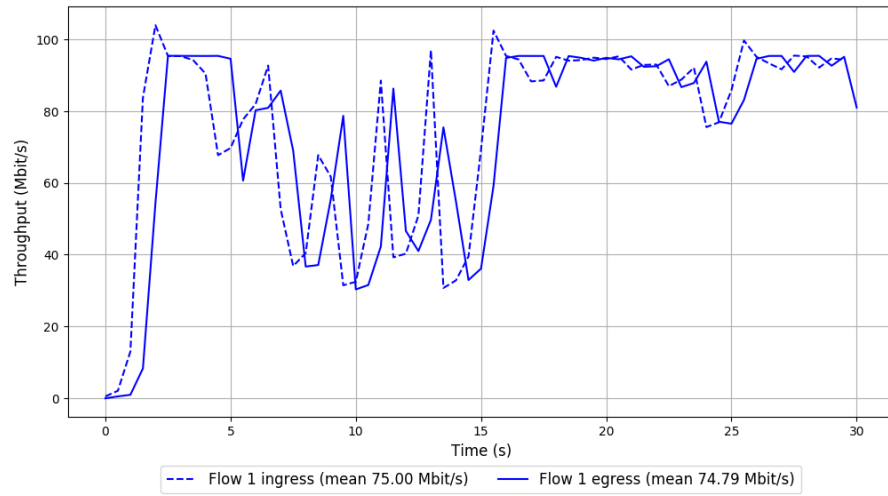


Run 5: Statistics of Copa

Start at: 2019-08-27 07:39:12
End at: 2019-08-27 07:39:42
Local clock offset: -0.896 ms
Remote clock offset: -25.83 ms

Below is generated by plot.py at 2019-08-27 07:59:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.79 Mbit/s
95th percentile per-packet one-way delay: 226.403 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 74.79 Mbit/s
95th percentile per-packet one-way delay: 226.403 ms
Loss rate: 0.85%

Run 5: Report of Copa — Data Link

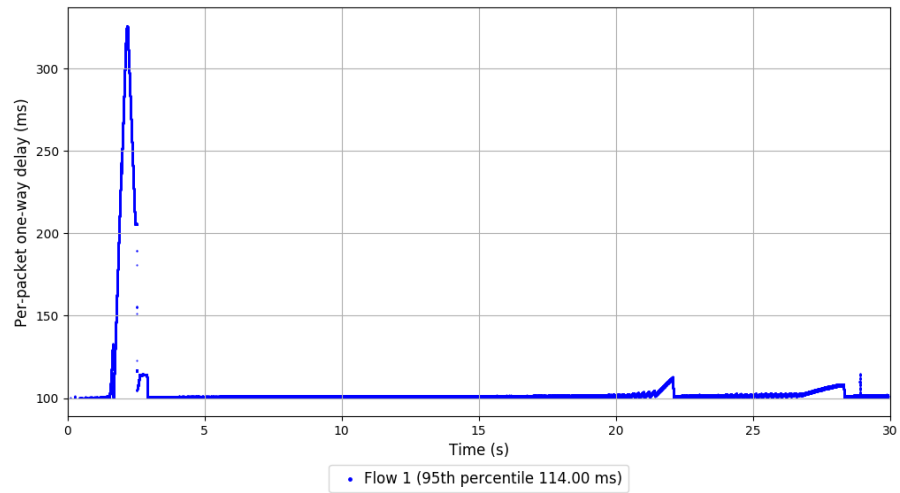
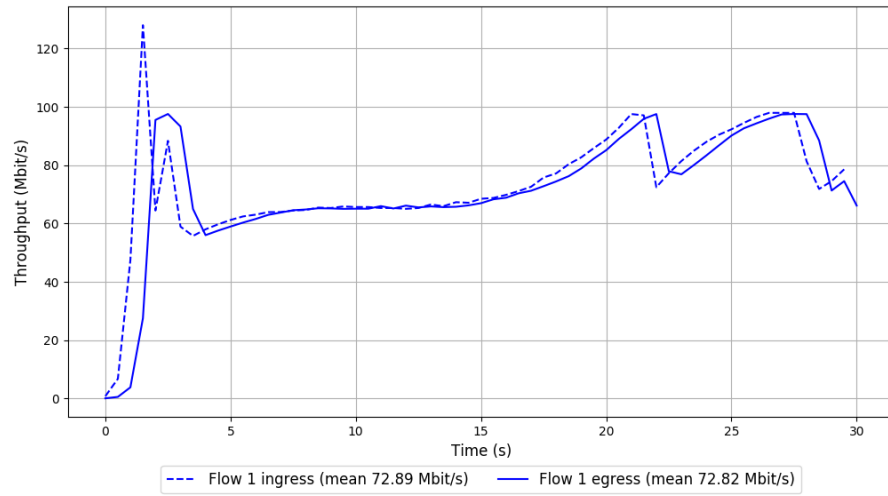


Run 1: Statistics of TCP Cubic

Start at: 2019-08-27 05:47:31
End at: 2019-08-27 05:48:01
Local clock offset: 0.019 ms
Remote clock offset: -29.585 ms

Below is generated by plot.py at 2019-08-27 07:59:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.82 Mbit/s
95th percentile per-packet one-way delay: 113.996 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 72.82 Mbit/s
95th percentile per-packet one-way delay: 113.996 ms
Loss rate: 0.64%

Run 1: Report of TCP Cubic — Data Link

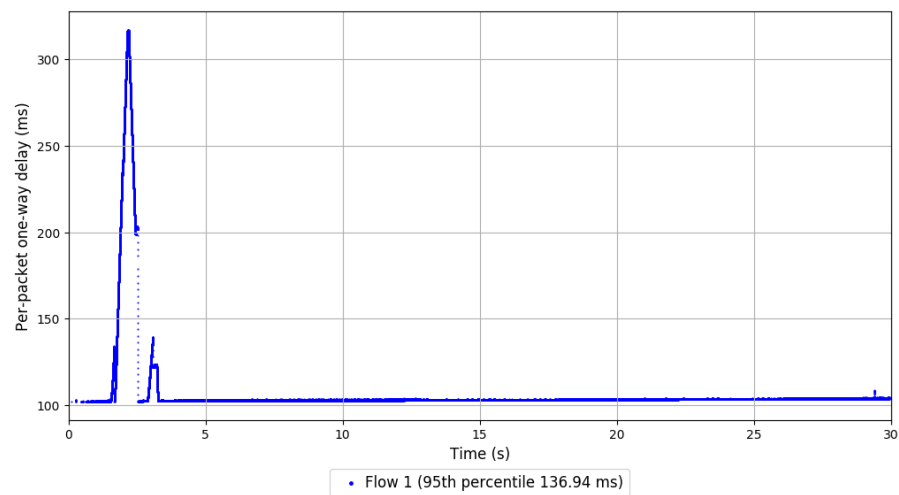
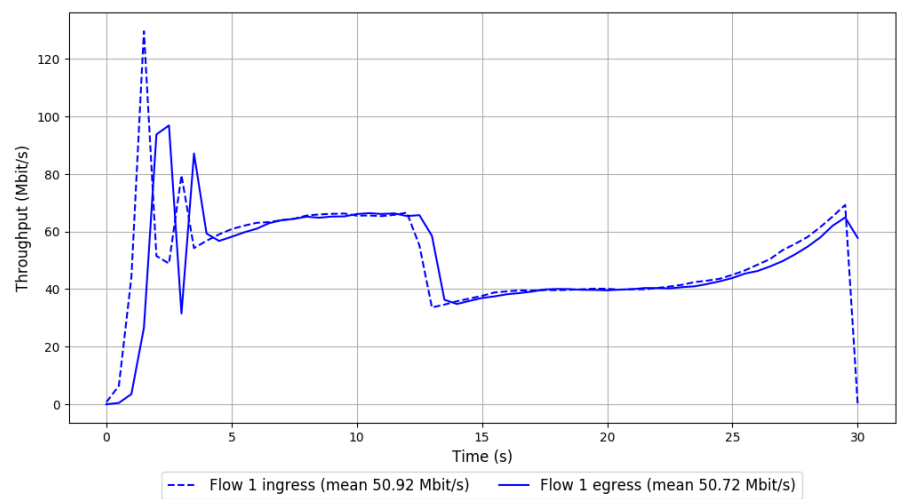


Run 2: Statistics of TCP Cubic

Start at: 2019-08-27 06:16:00
End at: 2019-08-27 06:16:30
Local clock offset: -0.021 ms
Remote clock offset: -35.031 ms

Below is generated by plot.py at 2019-08-27 07:59:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.72 Mbit/s
95th percentile per-packet one-way delay: 136.944 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 50.72 Mbit/s
95th percentile per-packet one-way delay: 136.944 ms
Loss rate: 0.97%

Run 2: Report of TCP Cubic — Data Link

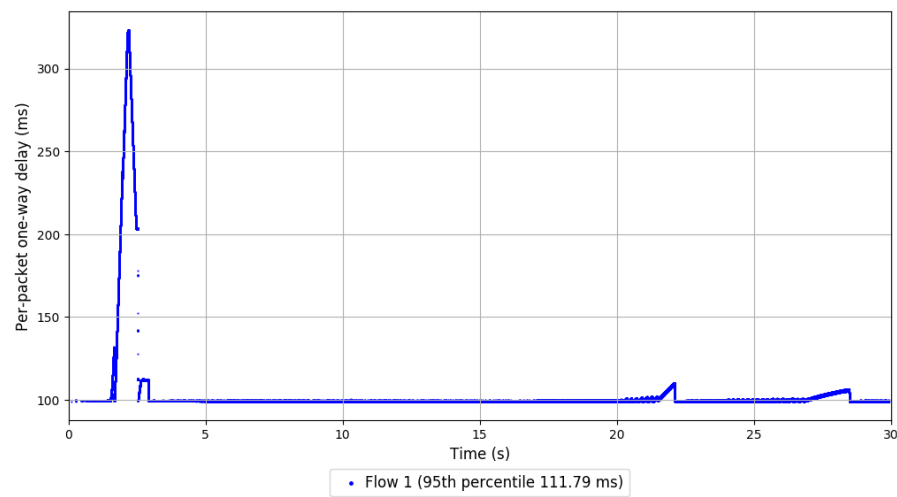
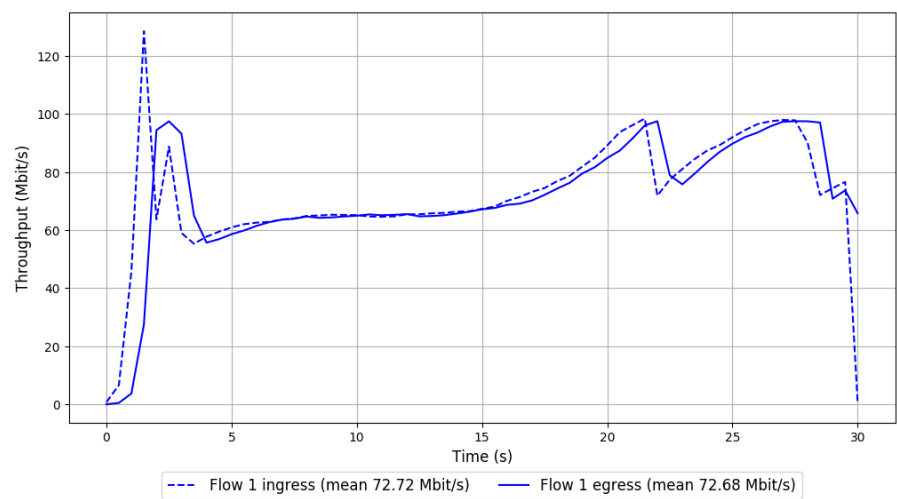


Run 3: Statistics of TCP Cubic

Start at: 2019-08-27 06:44:34
End at: 2019-08-27 06:45:04
Local clock offset: -1.096 ms
Remote clock offset: -29.466 ms

Below is generated by plot.py at 2019-08-27 07:59:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.68 Mbit/s
95th percentile per-packet one-way delay: 111.794 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 72.68 Mbit/s
95th percentile per-packet one-way delay: 111.794 ms
Loss rate: 0.64%

Run 3: Report of TCP Cubic — Data Link

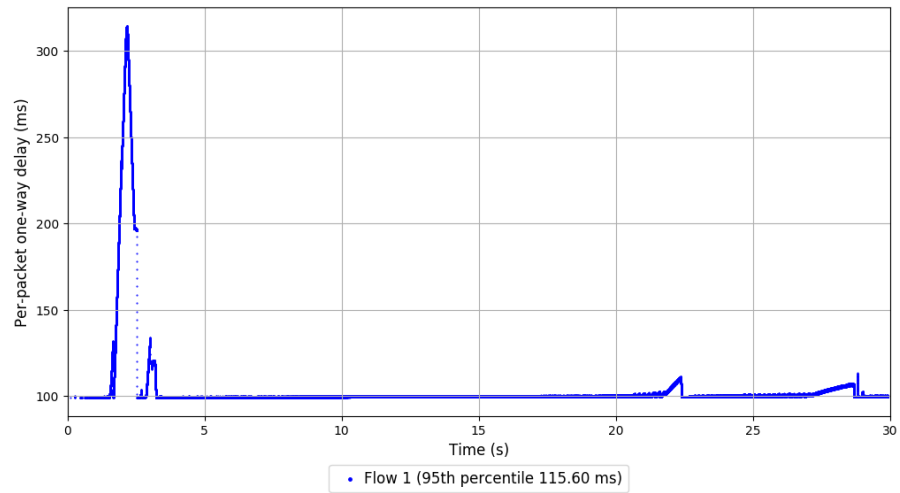
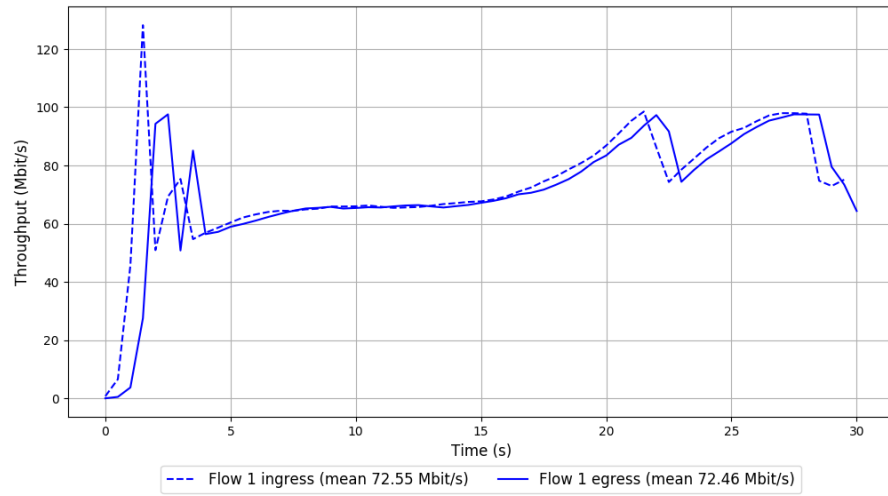


Run 4: Statistics of TCP Cubic

Start at: 2019-08-27 07:13:05
End at: 2019-08-27 07:13:36
Local clock offset: -1.02 ms
Remote clock offset: -27.029 ms

Below is generated by plot.py at 2019-08-27 07:59:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.46 Mbit/s
95th percentile per-packet one-way delay: 115.597 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 72.46 Mbit/s
95th percentile per-packet one-way delay: 115.597 ms
Loss rate: 0.70%

Run 4: Report of TCP Cubic — Data Link

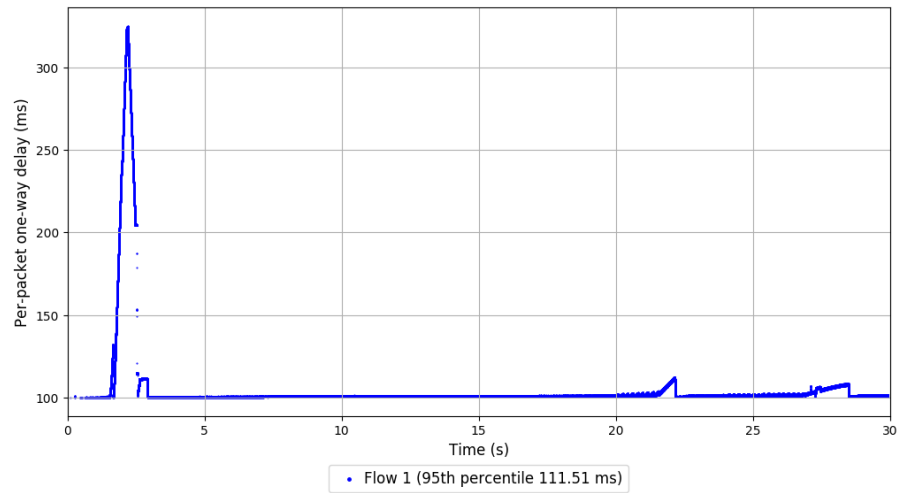
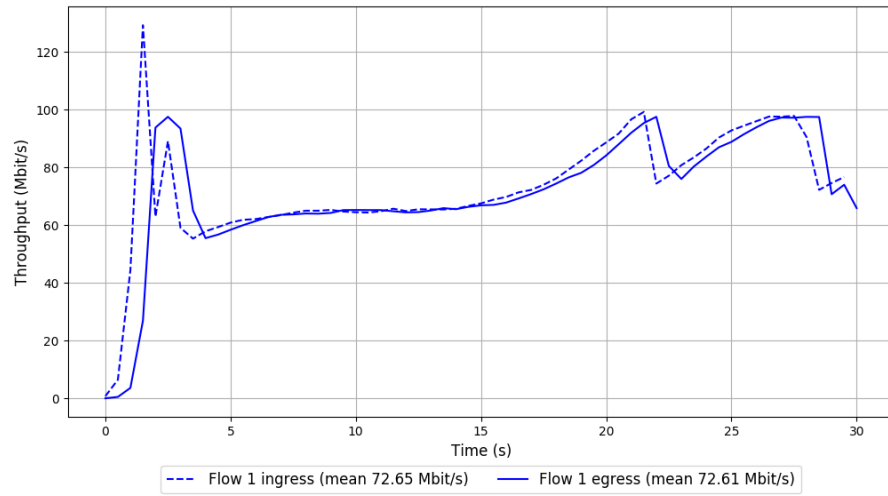


Run 5: Statistics of TCP Cubic

Start at: 2019-08-27 07:41:38
End at: 2019-08-27 07:42:08
Local clock offset: -0.874 ms
Remote clock offset: -23.098 ms

Below is generated by plot.py at 2019-08-27 07:59:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.61 Mbit/s
95th percentile per-packet one-way delay: 111.507 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 72.61 Mbit/s
95th percentile per-packet one-way delay: 111.507 ms
Loss rate: 0.63%

Run 5: Report of TCP Cubic — Data Link

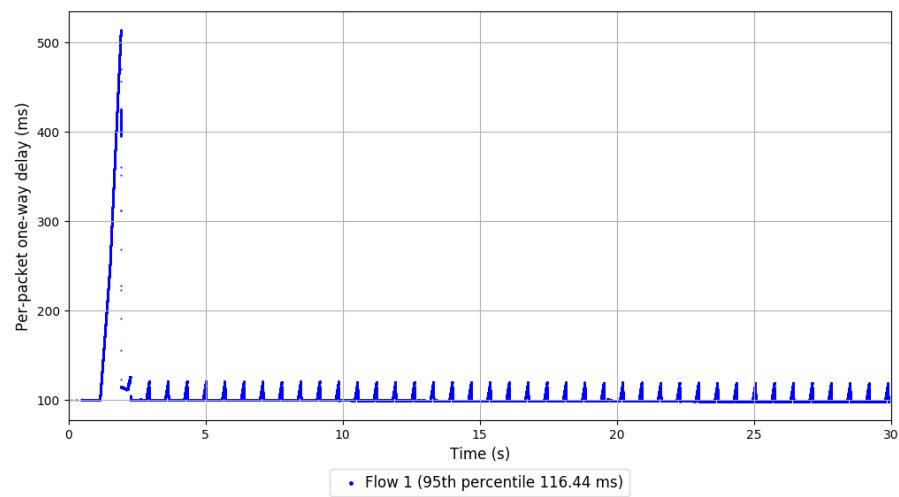
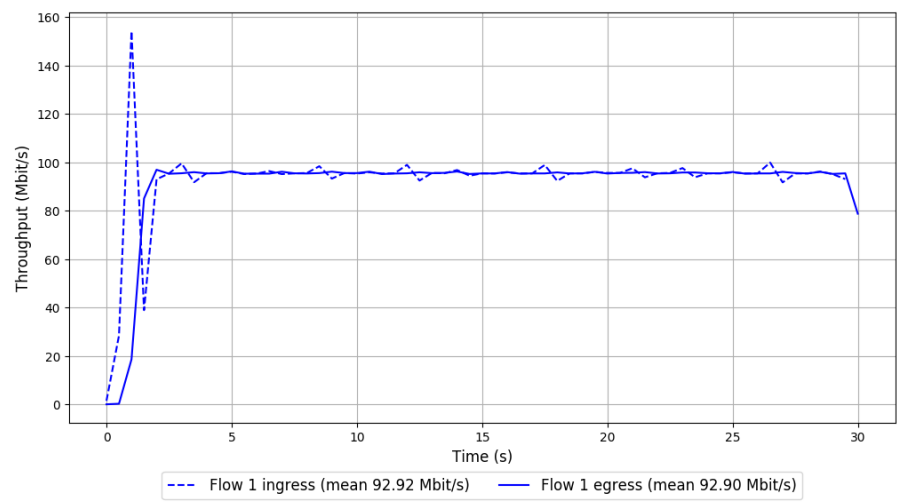


Run 1: Statistics of FillP

Start at: 2019-08-27 05:53:22
End at: 2019-08-27 05:53:52
Local clock offset: 0.006 ms
Remote clock offset: -44.528 ms

Below is generated by plot.py at 2019-08-27 08:00:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.90 Mbit/s
95th percentile per-packet one-way delay: 116.443 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 92.90 Mbit/s
95th percentile per-packet one-way delay: 116.443 ms
Loss rate: 0.60%

Run 1: Report of FillP — Data Link

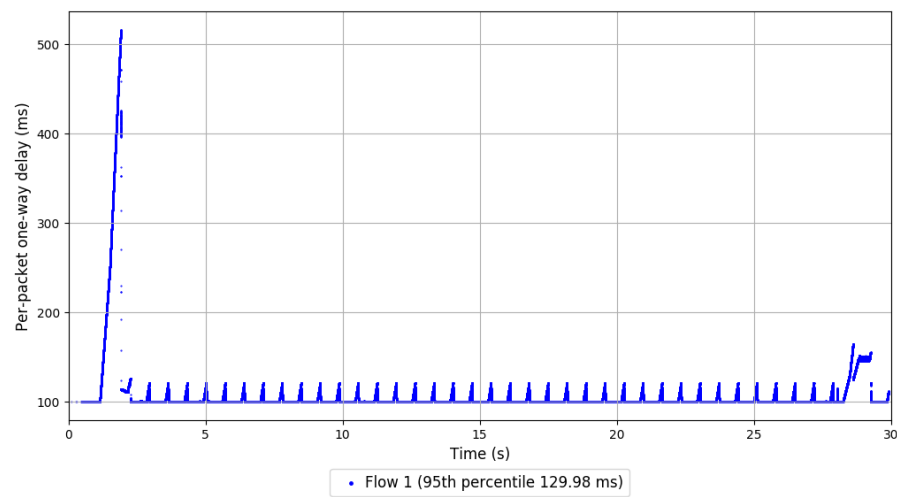
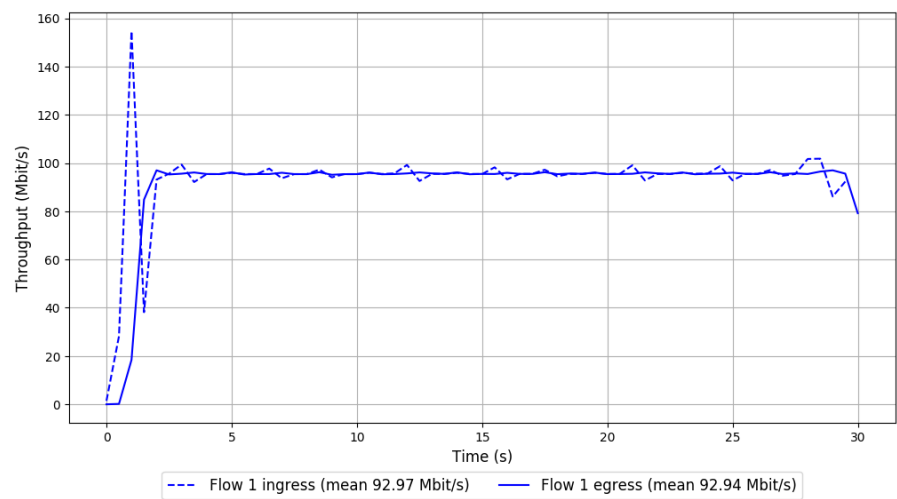


Run 2: Statistics of FillP

Start at: 2019-08-27 06:21:50
End at: 2019-08-27 06:22:20
Local clock offset: -0.085 ms
Remote clock offset: -28.38 ms

Below is generated by plot.py at 2019-08-27 08:00:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.94 Mbit/s
95th percentile per-packet one-way delay: 129.979 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 92.94 Mbit/s
95th percentile per-packet one-way delay: 129.979 ms
Loss rate: 0.60%

Run 2: Report of FillP — Data Link

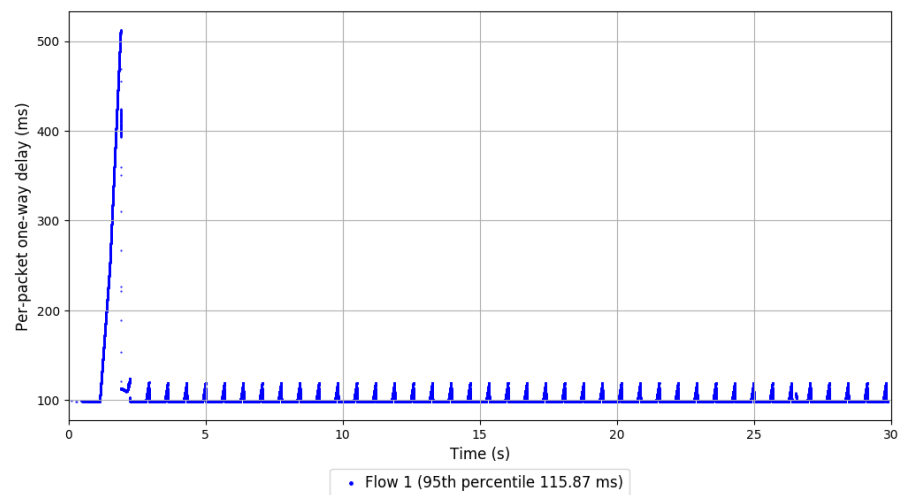
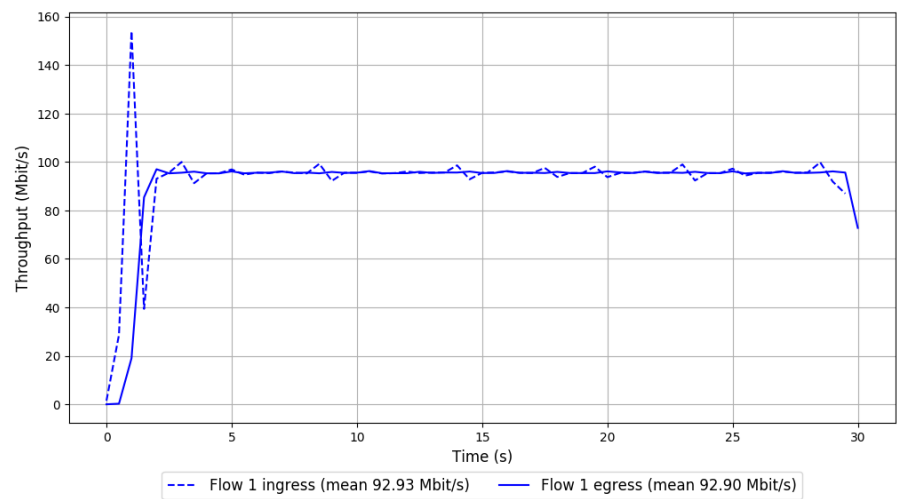


Run 3: Statistics of FillP

Start at: 2019-08-27 06:50:25
End at: 2019-08-27 06:50:55
Local clock offset: -1.082 ms
Remote clock offset: -35.006 ms

Below is generated by plot.py at 2019-08-27 08:00:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.90 Mbit/s
95th percentile per-packet one-way delay: 115.870 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 92.90 Mbit/s
95th percentile per-packet one-way delay: 115.870 ms
Loss rate: 0.61%

Run 3: Report of FillP — Data Link

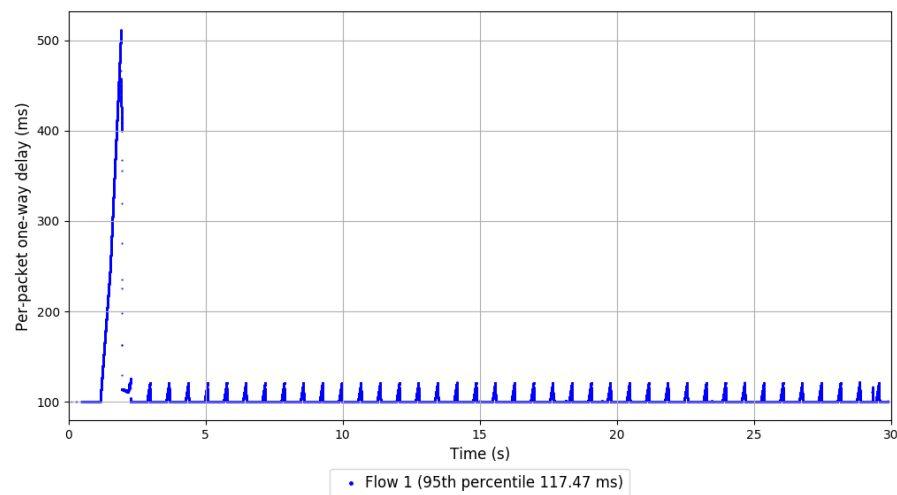
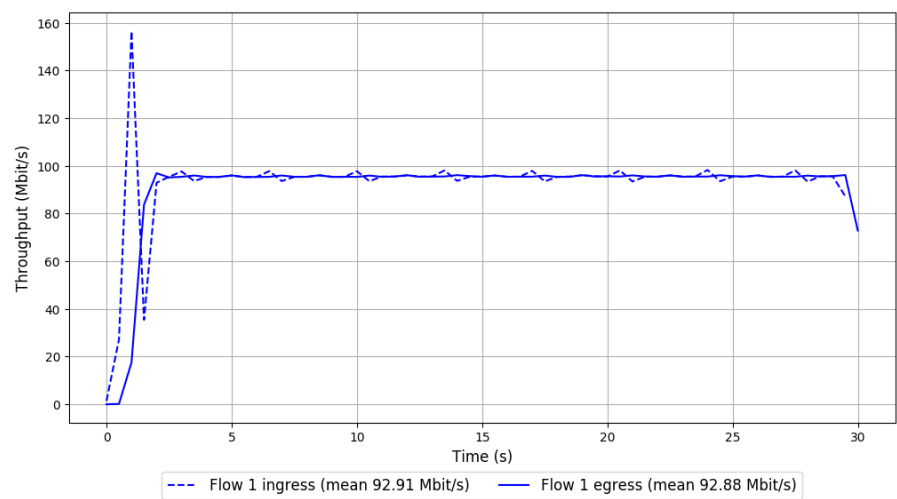


Run 4: Statistics of FillP

Start at: 2019-08-27 07:18:57
End at: 2019-08-27 07:19:27
Local clock offset: -0.942 ms
Remote clock offset: -25.299 ms

Below is generated by plot.py at 2019-08-27 08:00:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.88 Mbit/s
95th percentile per-packet one-way delay: 117.472 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 92.88 Mbit/s
95th percentile per-packet one-way delay: 117.472 ms
Loss rate: 0.61%

Run 4: Report of FillP — Data Link

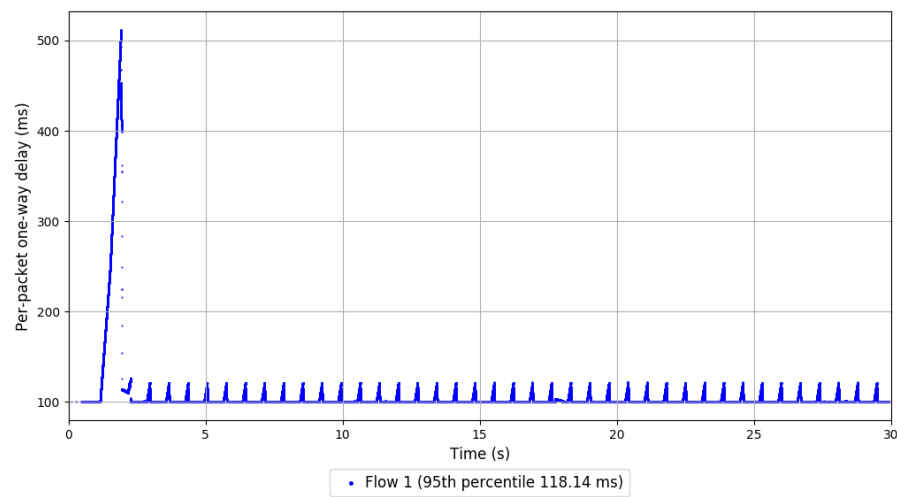
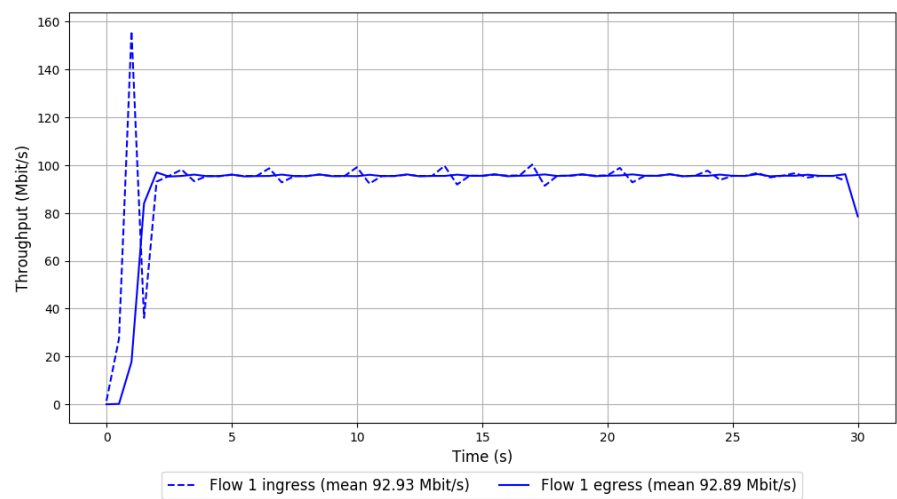


Run 5: Statistics of FillP

Start at: 2019-08-27 07:47:28
End at: 2019-08-27 07:47:58
Local clock offset: -0.126 ms
Remote clock offset: -17.498 ms

Below is generated by plot.py at 2019-08-27 08:00:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.89 Mbit/s
95th percentile per-packet one-way delay: 118.136 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 92.89 Mbit/s
95th percentile per-packet one-way delay: 118.136 ms
Loss rate: 0.62%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-08-27 05:35:37

End at: 2019-08-27 05:36:07

Local clock offset: -0.75 ms

Remote clock offset: -28.718 ms

Below is generated by plot.py at 2019-08-27 08:00:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.24 Mbit/s

95th percentile per-packet one-way delay: 117.521 ms

Loss rate: 0.61%

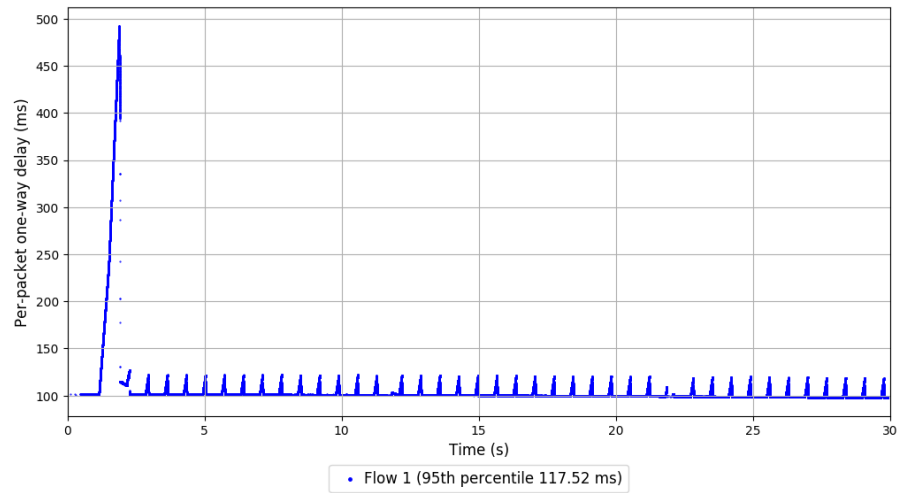
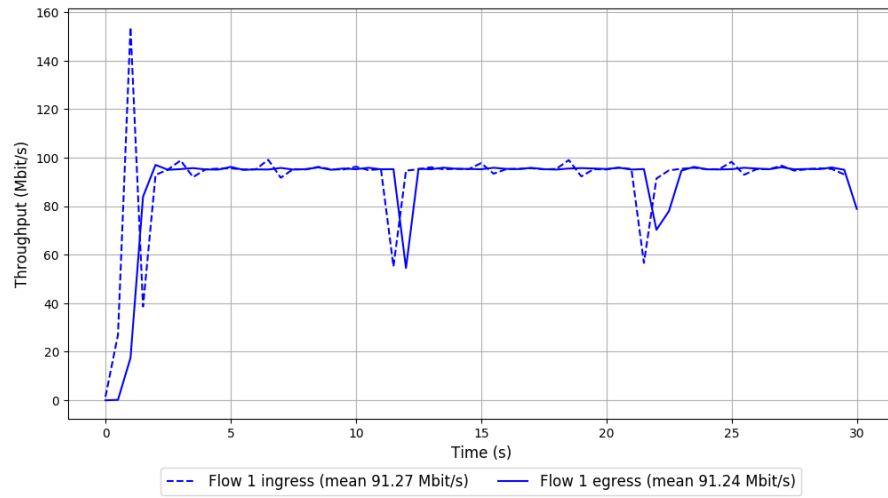
-- Flow 1:

Average throughput: 91.24 Mbit/s

95th percentile per-packet one-way delay: 117.521 ms

Loss rate: 0.61%

Run 1: Report of FillP-Sheep — Data Link

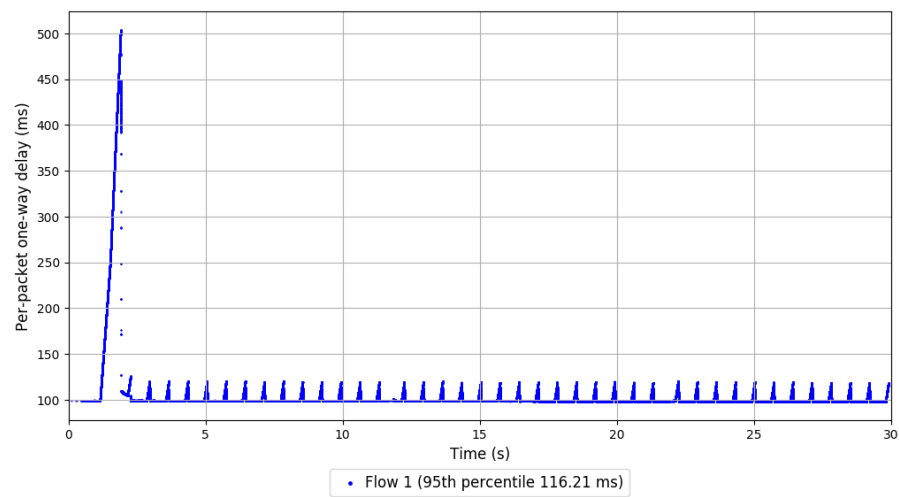
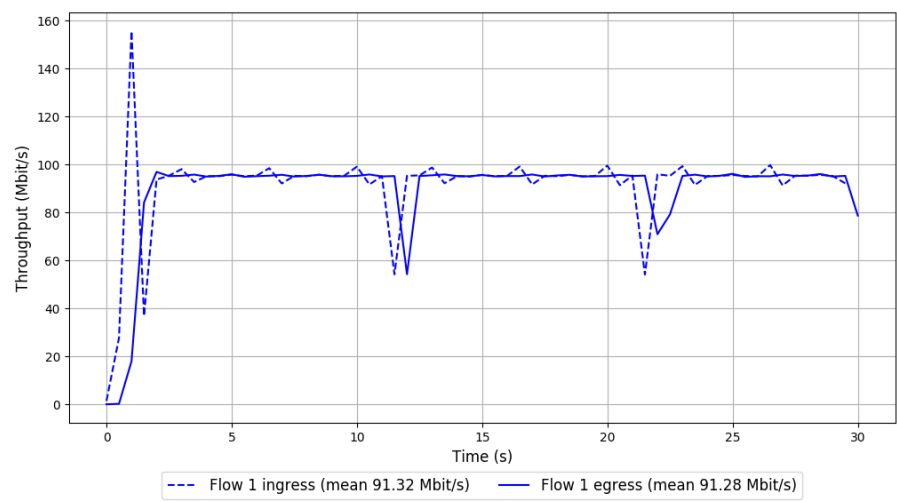


Run 2: Statistics of FillP-Sheep

Start at: 2019-08-27 06:04:08
End at: 2019-08-27 06:04:38
Local clock offset: -0.024 ms
Remote clock offset: -43.389 ms

Below is generated by plot.py at 2019-08-27 08:01:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.28 Mbit/s
95th percentile per-packet one-way delay: 116.212 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 91.28 Mbit/s
95th percentile per-packet one-way delay: 116.212 ms
Loss rate: 0.62%

Run 2: Report of FillP-Sheep — Data Link

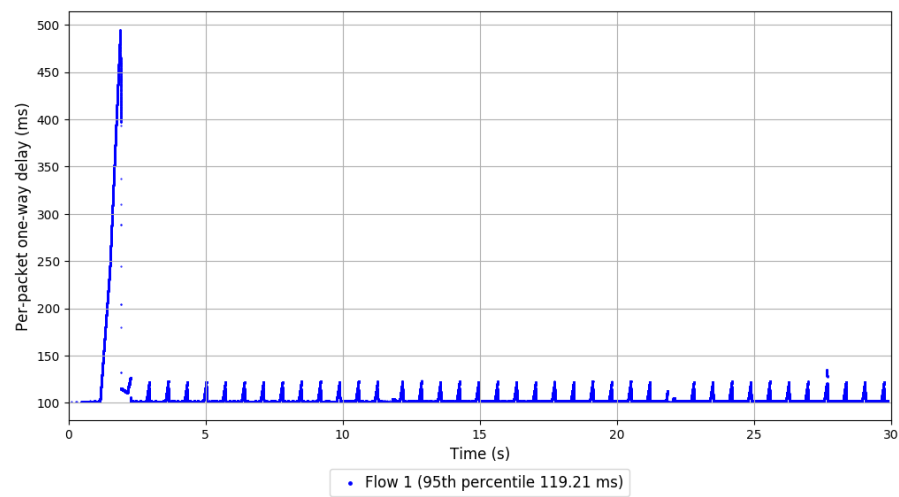
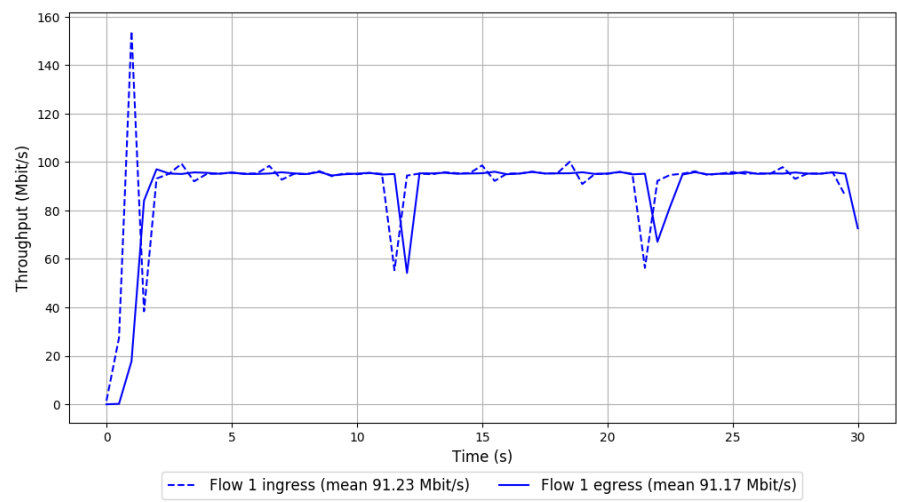


Run 3: Statistics of FillP-Sheep

Start at: 2019-08-27 06:32:36
End at: 2019-08-27 06:33:06
Local clock offset: -0.243 ms
Remote clock offset: -29.547 ms

Below is generated by plot.py at 2019-08-27 08:01:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.17 Mbit/s
95th percentile per-packet one-way delay: 119.206 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 91.17 Mbit/s
95th percentile per-packet one-way delay: 119.206 ms
Loss rate: 0.63%

Run 3: Report of FillP-Sheep — Data Link

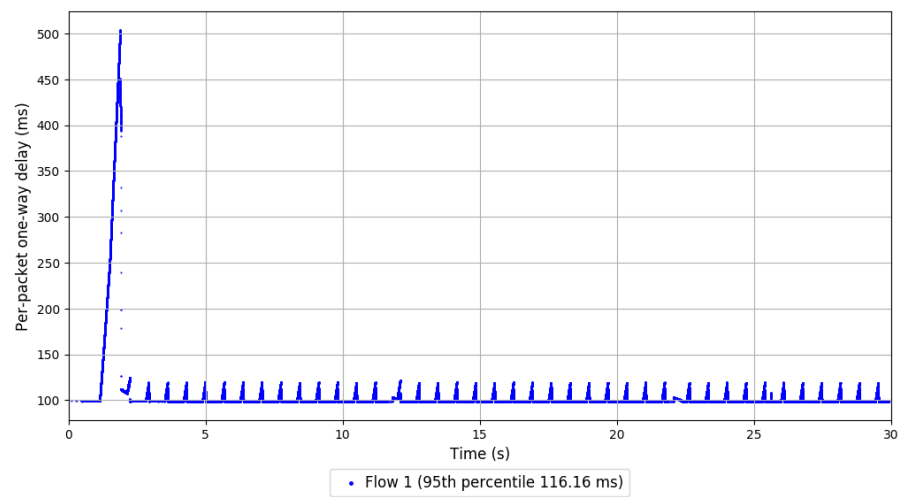
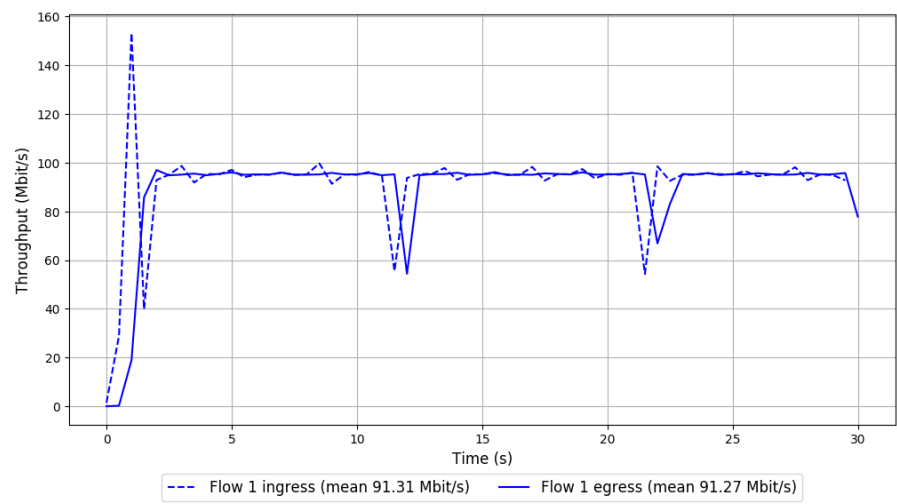


Run 4: Statistics of FillP-Sheep

Start at: 2019-08-27 07:01:11
End at: 2019-08-27 07:01:41
Local clock offset: -0.196 ms
Remote clock offset: -48.005 ms

Below is generated by plot.py at 2019-08-27 08:01:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.27 Mbit/s
95th percentile per-packet one-way delay: 116.155 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 91.27 Mbit/s
95th percentile per-packet one-way delay: 116.155 ms
Loss rate: 0.61%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-08-27 07:29:44

End at: 2019-08-27 07:30:14

Local clock offset: -0.908 ms

Remote clock offset: -28.352 ms

Below is generated by plot.py at 2019-08-27 08:01:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.34 Mbit/s

95th percentile per-packet one-way delay: 124.613 ms

Loss rate: 0.66%

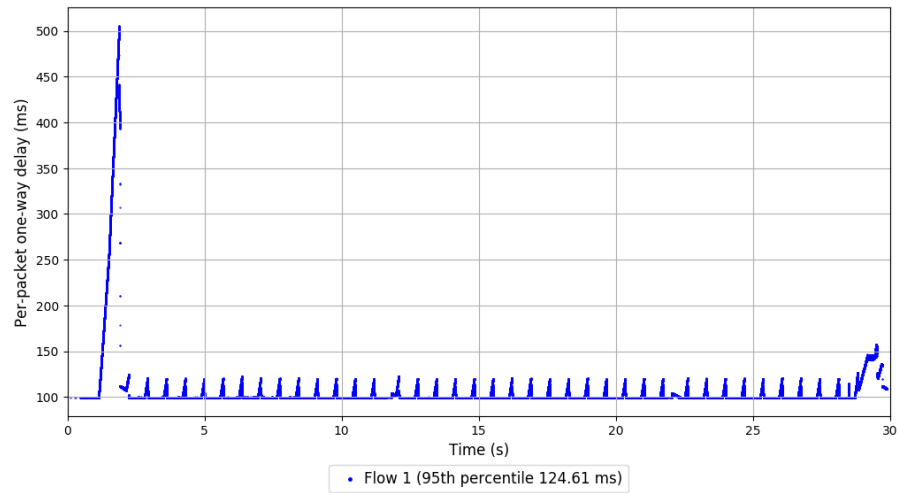
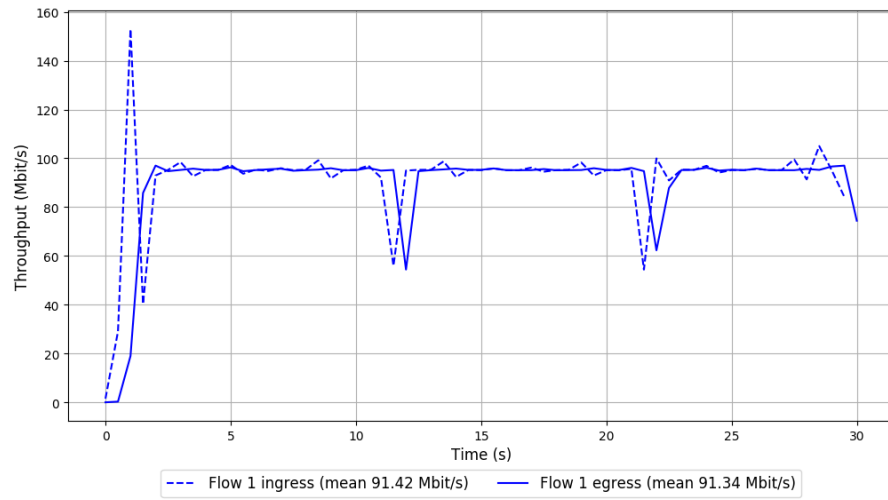
-- Flow 1:

Average throughput: 91.34 Mbit/s

95th percentile per-packet one-way delay: 124.613 ms

Loss rate: 0.66%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2019-08-27 06:00:29

End at: 2019-08-27 06:00:59

Local clock offset: -0.066 ms

Remote clock offset: -37.513 ms

Below is generated by plot.py at 2019-08-27 08:01:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.79 Mbit/s

95th percentile per-packet one-way delay: 164.787 ms

Loss rate: 1.07%

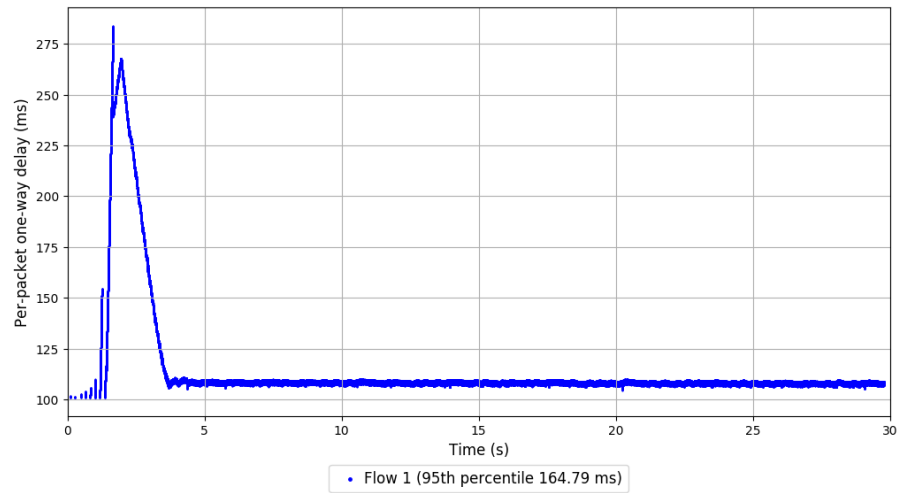
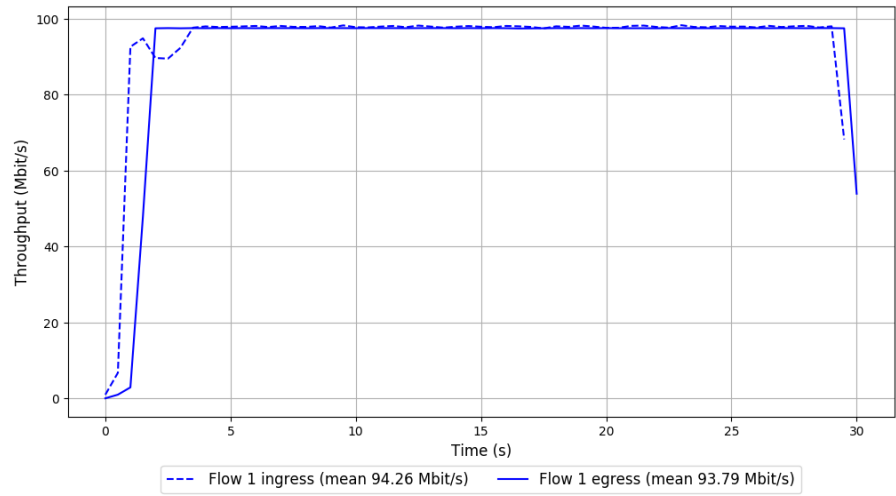
-- Flow 1:

Average throughput: 93.79 Mbit/s

95th percentile per-packet one-way delay: 164.787 ms

Loss rate: 1.07%

Run 1: Report of Indigo — Data Link

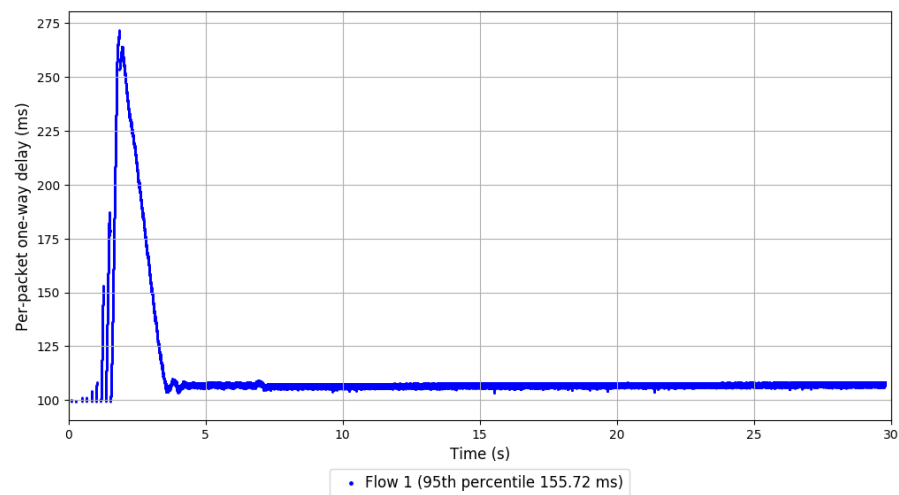
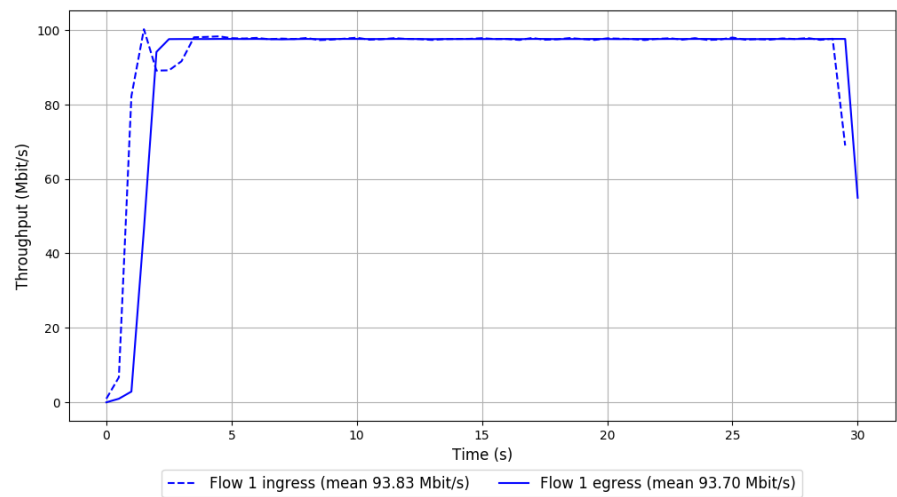


Run 2: Statistics of Indigo

Start at: 2019-08-27 06:28:57
End at: 2019-08-27 06:29:27
Local clock offset: -0.913 ms
Remote clock offset: -33.952 ms

Below is generated by plot.py at 2019-08-27 08:01:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.70 Mbit/s
95th percentile per-packet one-way delay: 155.724 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 93.70 Mbit/s
95th percentile per-packet one-way delay: 155.724 ms
Loss rate: 0.71%

Run 2: Report of Indigo — Data Link

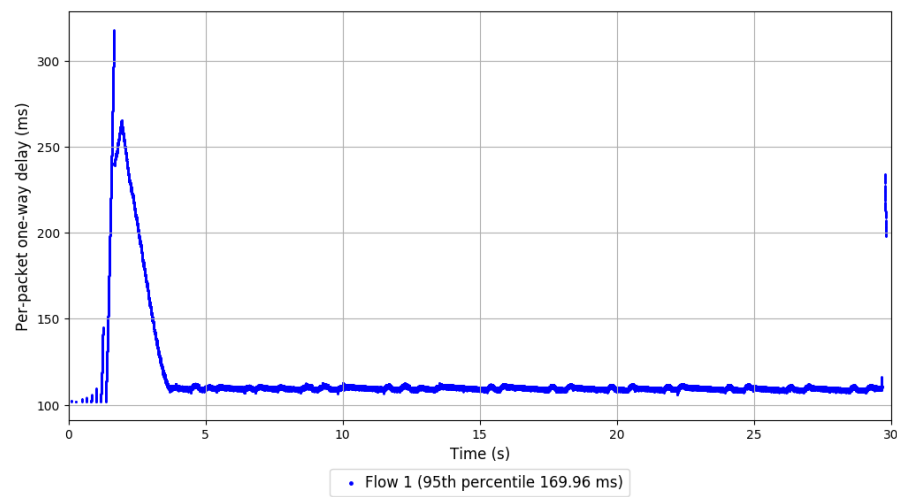
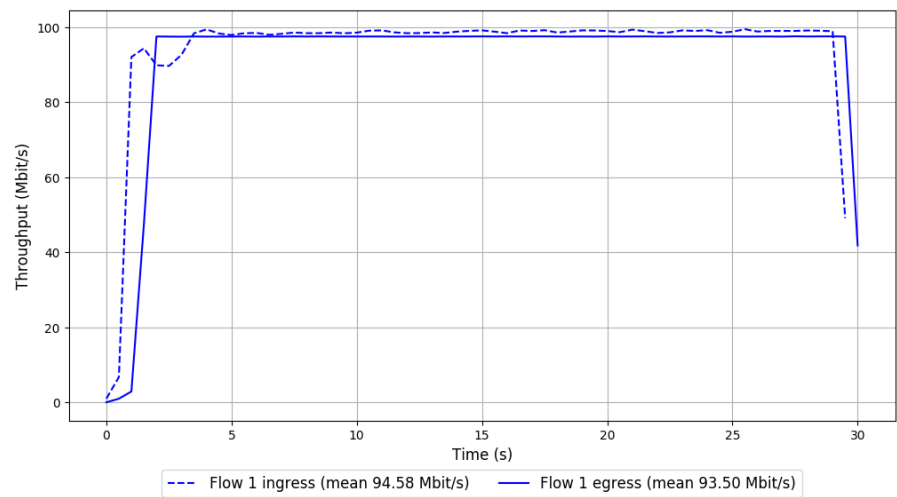


Run 3: Statistics of Indigo

Start at: 2019-08-27 06:57:31
End at: 2019-08-27 06:58:01
Local clock offset: -0.288 ms
Remote clock offset: -45.93 ms

Below is generated by plot.py at 2019-08-27 08:02:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.50 Mbit/s
95th percentile per-packet one-way delay: 169.961 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 93.50 Mbit/s
95th percentile per-packet one-way delay: 169.961 ms
Loss rate: 1.72%

Run 3: Report of Indigo — Data Link

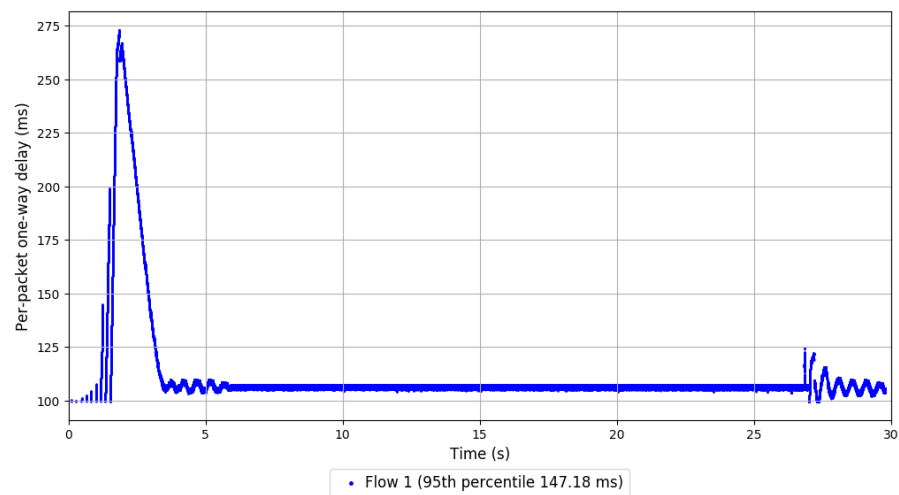
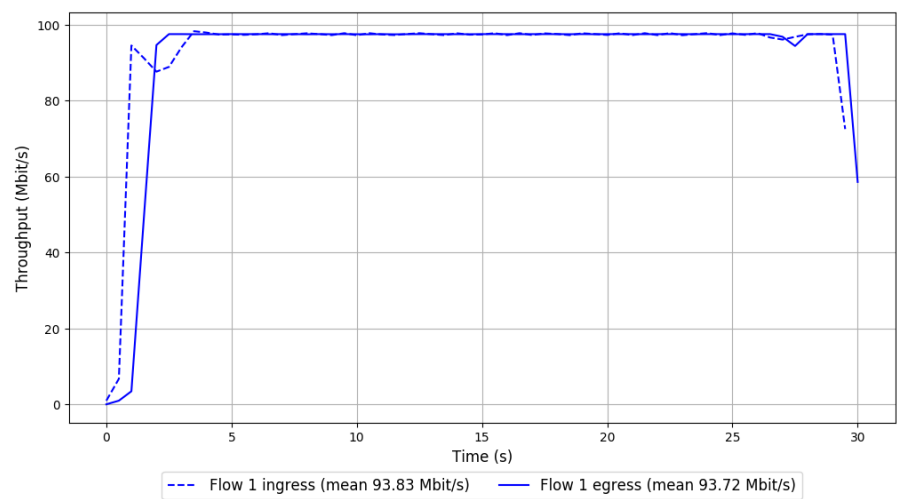


Run 4: Statistics of Indigo

Start at: 2019-08-27 07:26:05
End at: 2019-08-27 07:26:35
Local clock offset: -0.143 ms
Remote clock offset: -25.976 ms

Below is generated by plot.py at 2019-08-27 08:02:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.72 Mbit/s
95th percentile per-packet one-way delay: 147.175 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 93.72 Mbit/s
95th percentile per-packet one-way delay: 147.175 ms
Loss rate: 0.69%

Run 4: Report of Indigo — Data Link

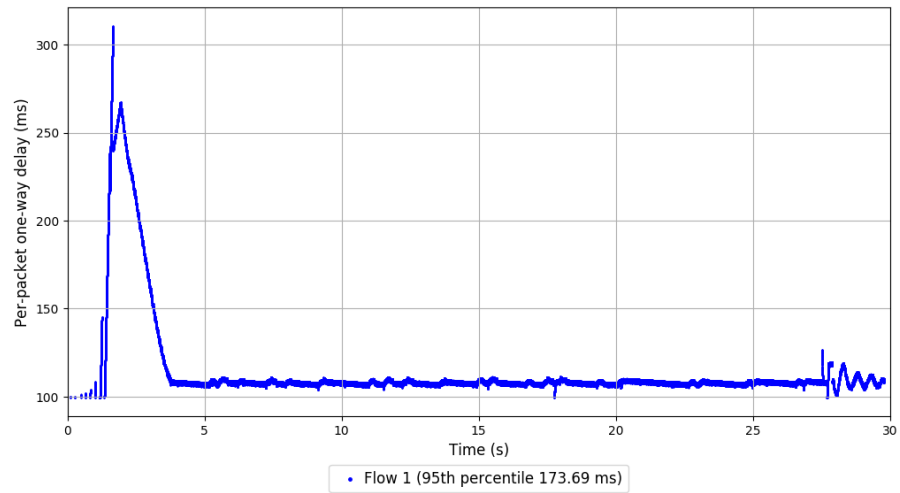
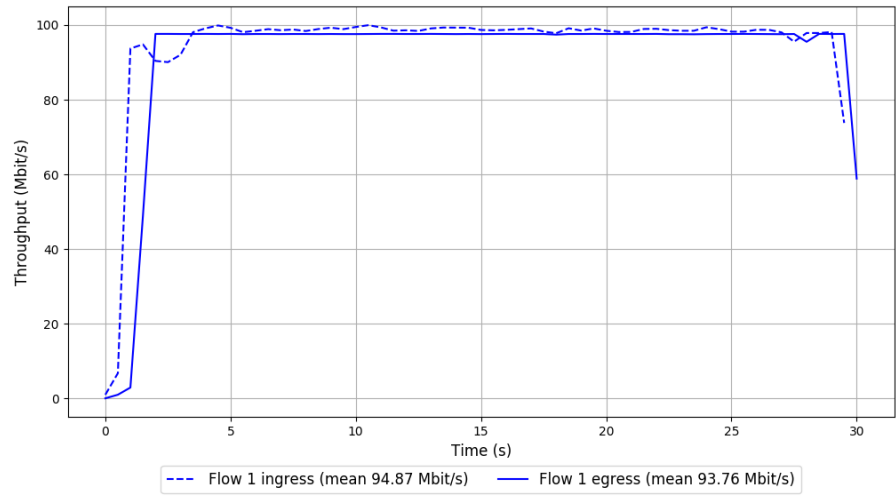


Run 5: Statistics of Indigo

Start at: 2019-08-27 07:54:36
End at: 2019-08-27 07:55:06
Local clock offset: -0.228 ms
Remote clock offset: -15.48 ms

Below is generated by plot.py at 2019-08-27 08:02:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.76 Mbit/s
95th percentile per-packet one-way delay: 173.691 ms
Loss rate: 1.73%
-- Flow 1:
Average throughput: 93.76 Mbit/s
95th percentile per-packet one-way delay: 173.691 ms
Loss rate: 1.73%

Run 5: Report of Indigo — Data Link

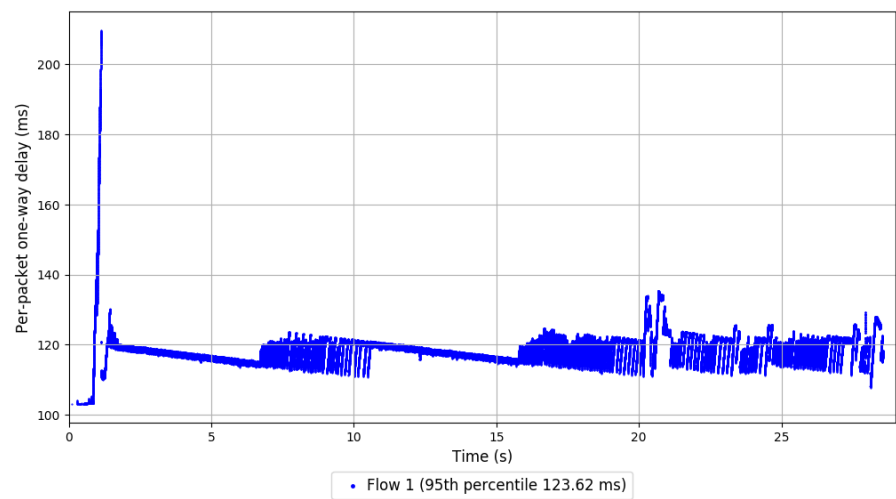
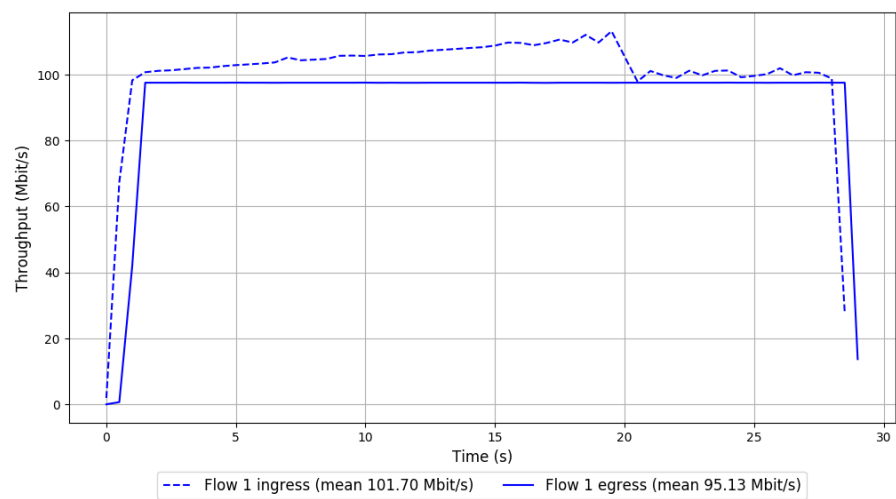


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-08-27 05:46:19
End at: 2019-08-27 05:46:49
Local clock offset: 0.019 ms
Remote clock offset: -37.27 ms

Below is generated by plot.py at 2019-08-27 08:02:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.13 Mbit/s
95th percentile per-packet one-way delay: 123.623 ms
Loss rate: 7.01%
-- Flow 1:
Average throughput: 95.13 Mbit/s
95th percentile per-packet one-way delay: 123.623 ms
Loss rate: 7.01%

Run 1: Report of Indigo-MusesC3 — Data Link

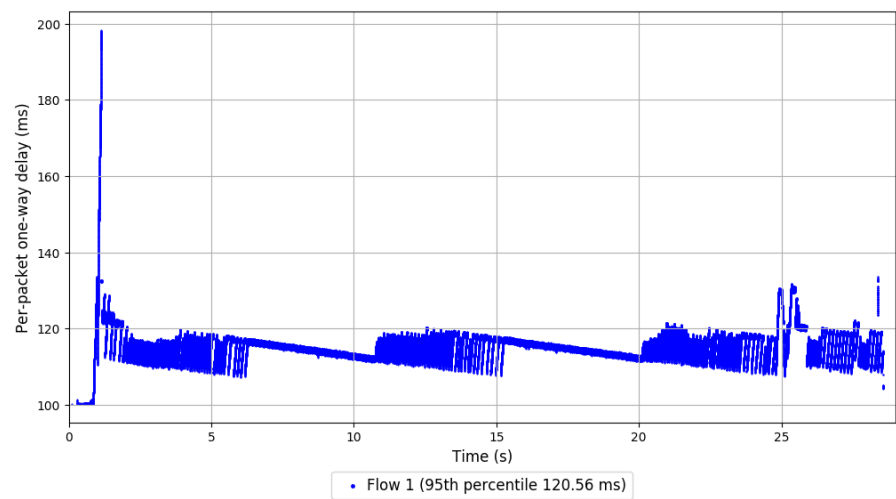
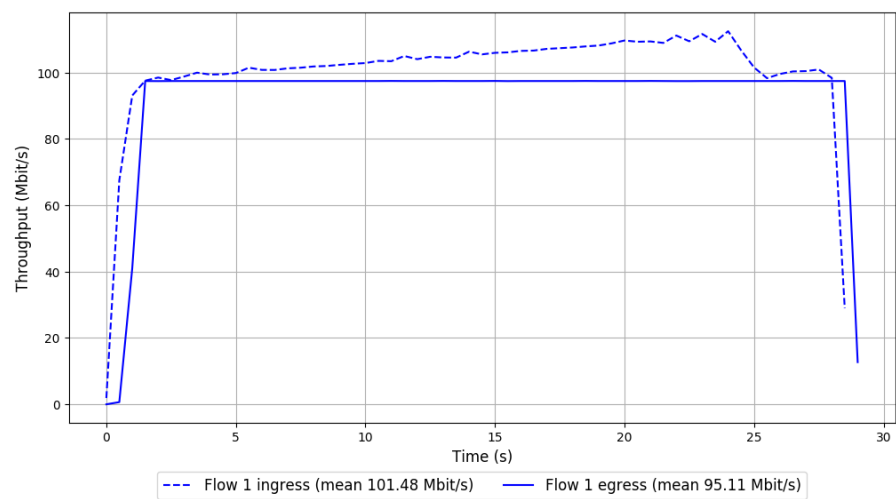


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-08-27 06:14:48
End at: 2019-08-27 06:15:18
Local clock offset: -0.031 ms
Remote clock offset: -38.61 ms

Below is generated by plot.py at 2019-08-27 08:02:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.11 Mbit/s
95th percentile per-packet one-way delay: 120.559 ms
Loss rate: 6.84%
-- Flow 1:
Average throughput: 95.11 Mbit/s
95th percentile per-packet one-way delay: 120.559 ms
Loss rate: 6.84%

Run 2: Report of Indigo-MusesC3 — Data Link

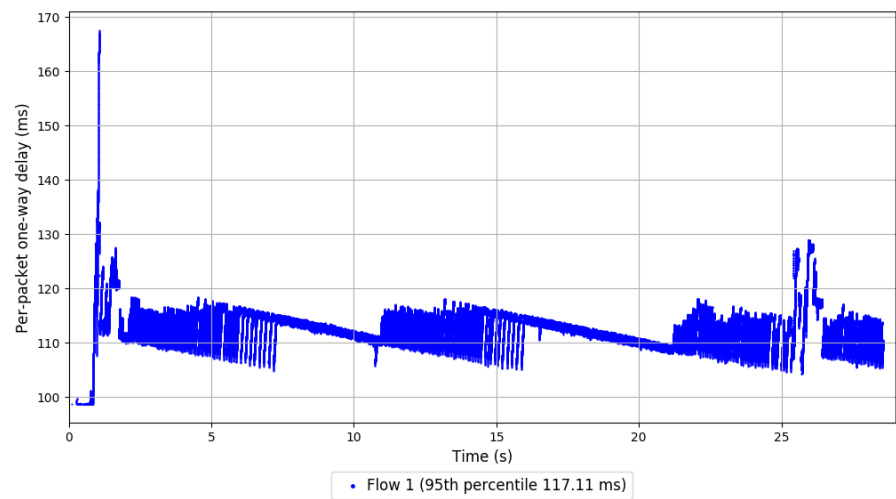
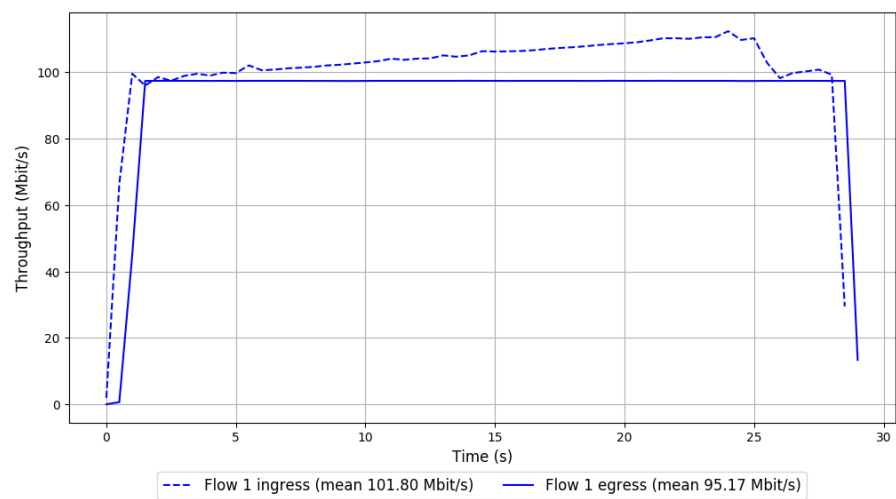


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-08-27 06:43:22
End at: 2019-08-27 06:43:52
Local clock offset: -0.323 ms
Remote clock offset: -28.071 ms

Below is generated by plot.py at 2019-08-27 08:02:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.17 Mbit/s
95th percentile per-packet one-way delay: 117.106 ms
Loss rate: 7.07%
-- Flow 1:
Average throughput: 95.17 Mbit/s
95th percentile per-packet one-way delay: 117.106 ms
Loss rate: 7.07%

Run 3: Report of Indigo-MusesC3 — Data Link

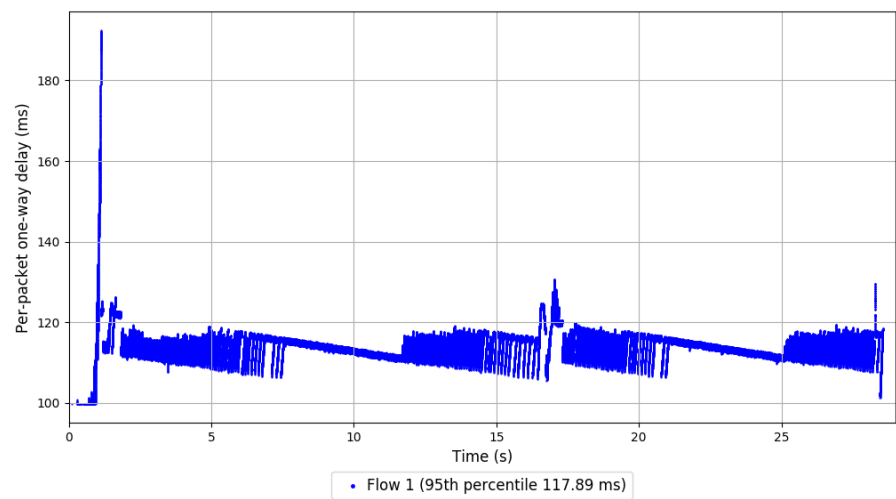
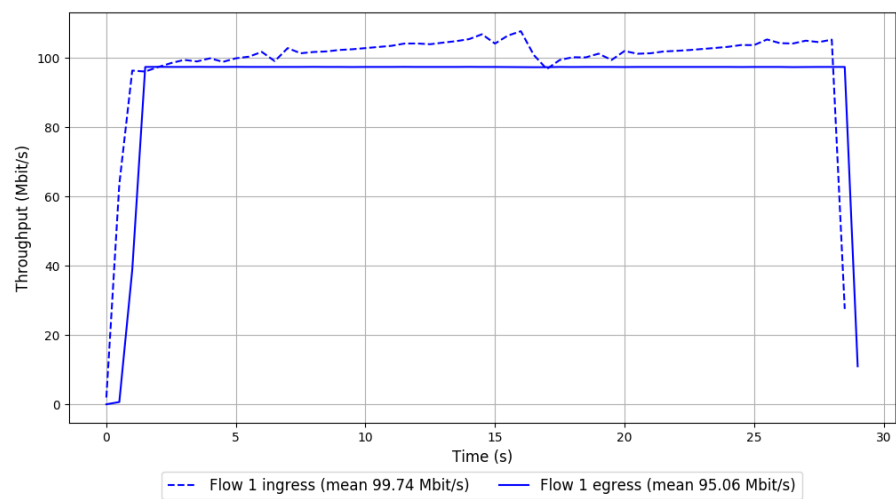


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-08-27 07:11:53
End at: 2019-08-27 07:12:23
Local clock offset: -0.953 ms
Remote clock offset: -28.573 ms

Below is generated by plot.py at 2019-08-27 08:02:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.06 Mbit/s
95th percentile per-packet one-way delay: 117.892 ms
Loss rate: 5.26%
-- Flow 1:
Average throughput: 95.06 Mbit/s
95th percentile per-packet one-way delay: 117.892 ms
Loss rate: 5.26%

Run 4: Report of Indigo-MusesC3 — Data Link

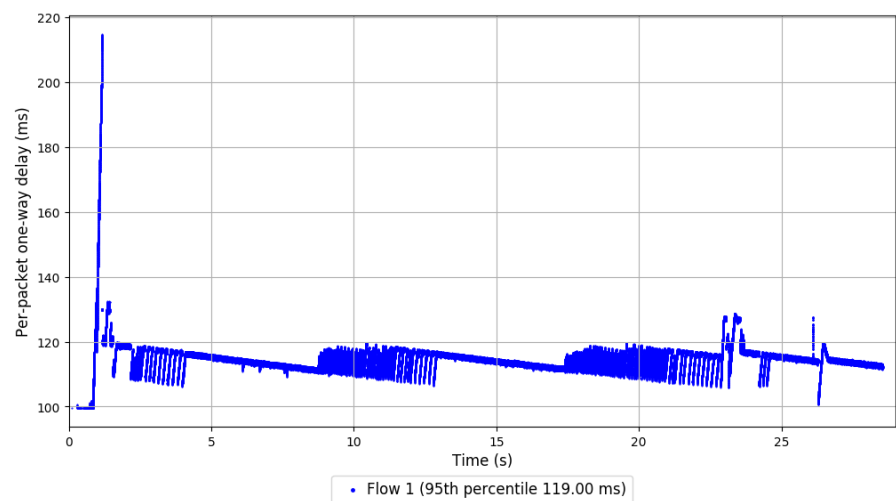
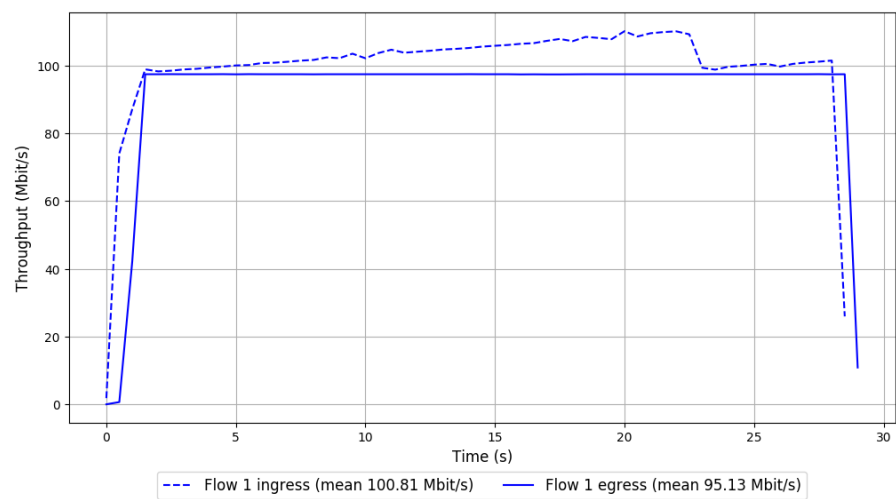


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-08-27 07:40:25
End at: 2019-08-27 07:40:55
Local clock offset: -0.889 ms
Remote clock offset: -24.839 ms

Below is generated by plot.py at 2019-08-27 08:02:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.13 Mbit/s
95th percentile per-packet one-way delay: 119.004 ms
Loss rate: 6.20%
-- Flow 1:
Average throughput: 95.13 Mbit/s
95th percentile per-packet one-way delay: 119.004 ms
Loss rate: 6.20%

Run 5: Report of Indigo-MusesC3 — Data Link

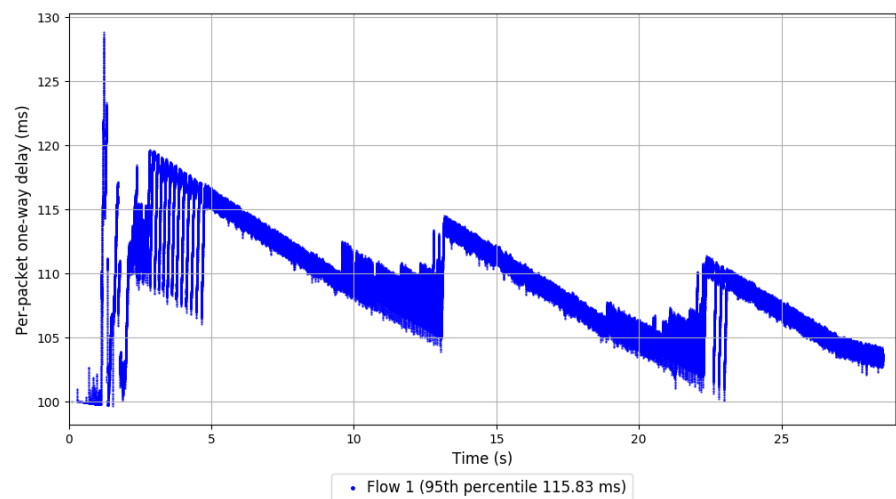
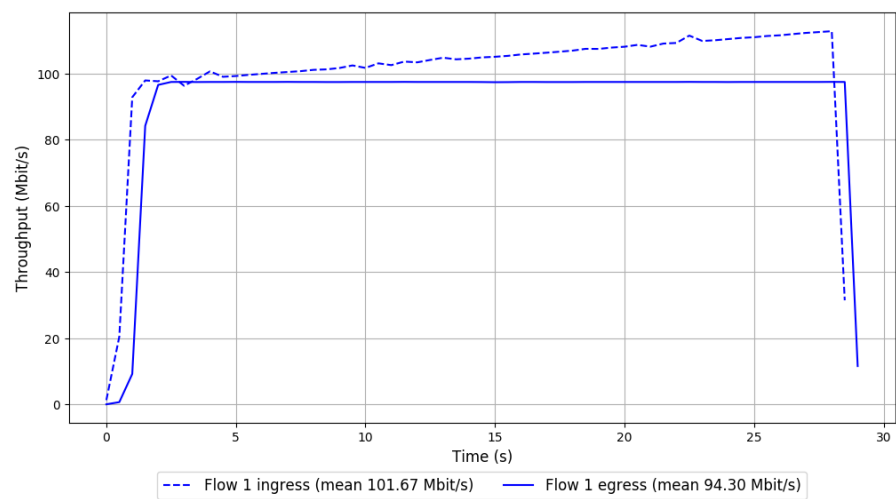


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-08-27 05:36:48
End at: 2019-08-27 05:37:18
Local clock offset: 0.008 ms
Remote clock offset: -40.933 ms

Below is generated by plot.py at 2019-08-27 08:03:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.30 Mbit/s
95th percentile per-packet one-way delay: 115.834 ms
Loss rate: 7.83%
-- Flow 1:
Average throughput: 94.30 Mbit/s
95th percentile per-packet one-way delay: 115.834 ms
Loss rate: 7.83%

Run 1: Report of Indigo-MusesC5 — Data Link

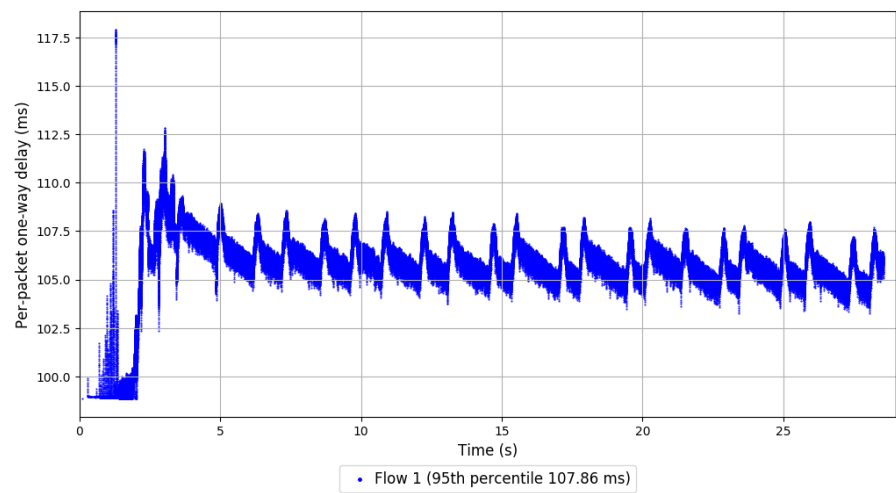
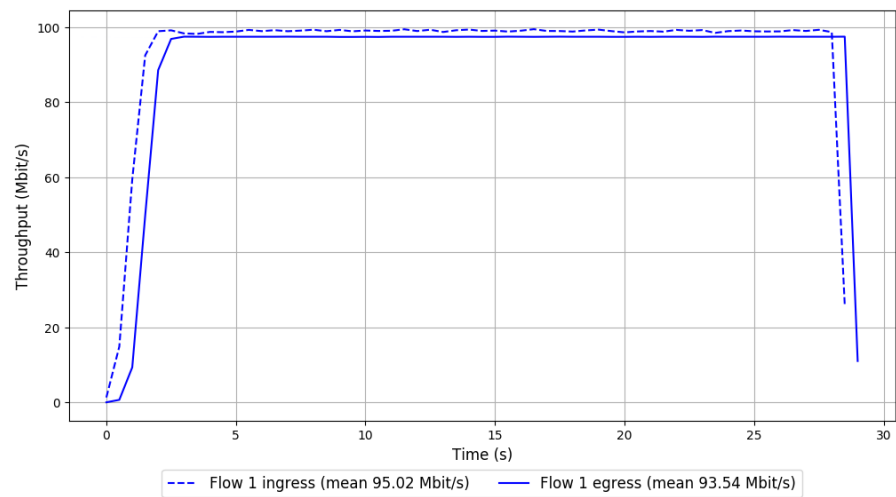


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-08-27 06:05:19
End at: 2019-08-27 06:05:49
Local clock offset: -0.777 ms
Remote clock offset: -46.924 ms

Below is generated by plot.py at 2019-08-27 08:03:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.54 Mbit/s
95th percentile per-packet one-way delay: 107.858 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 93.54 Mbit/s
95th percentile per-packet one-way delay: 107.858 ms
Loss rate: 2.15%

Run 2: Report of Indigo-MusesC5 — Data Link

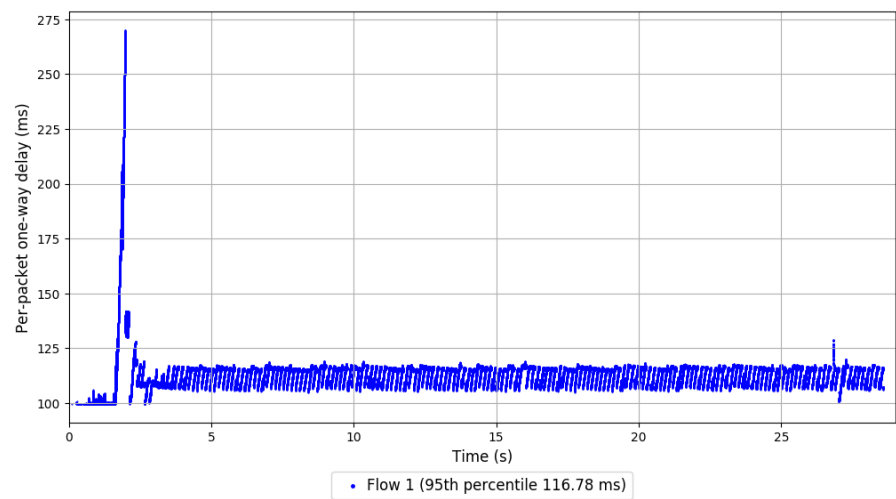
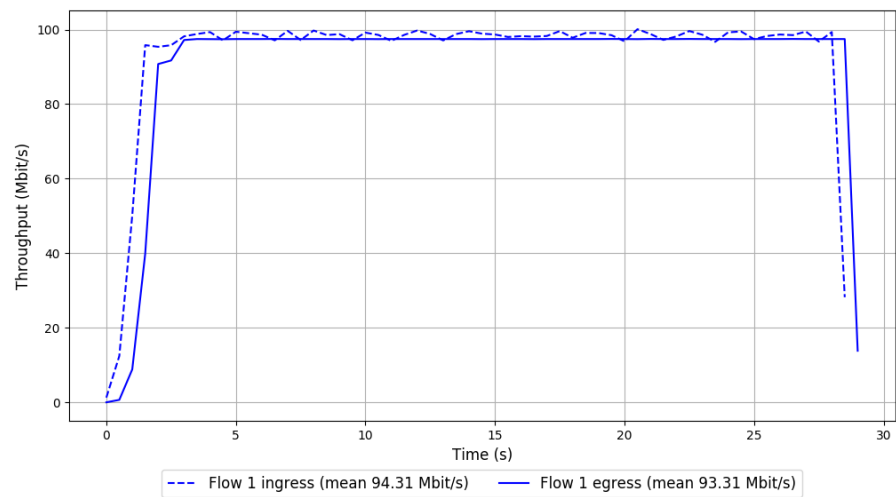


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-08-27 06:33:47
End at: 2019-08-27 06:34:17
Local clock offset: -0.957 ms
Remote clock offset: -27.416 ms

Below is generated by plot.py at 2019-08-27 08:03:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.31 Mbit/s
95th percentile per-packet one-way delay: 116.780 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 93.31 Mbit/s
95th percentile per-packet one-way delay: 116.780 ms
Loss rate: 1.65%

Run 3: Report of Indigo-MusesC5 — Data Link

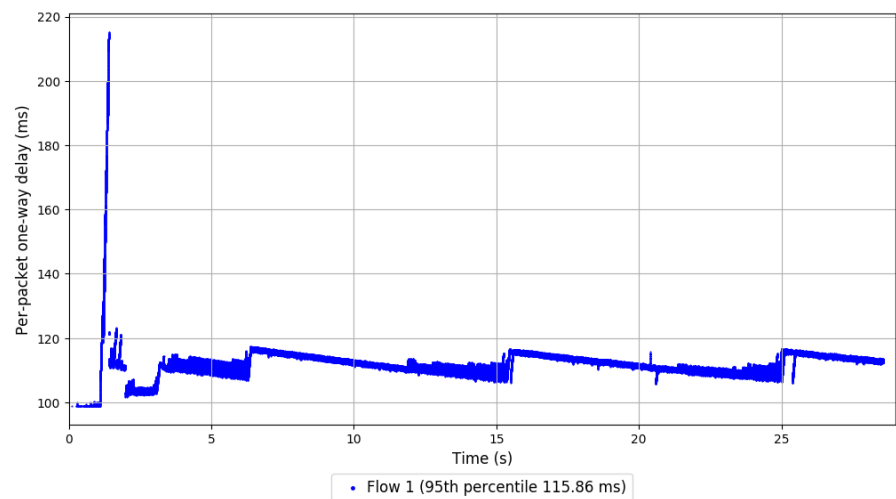
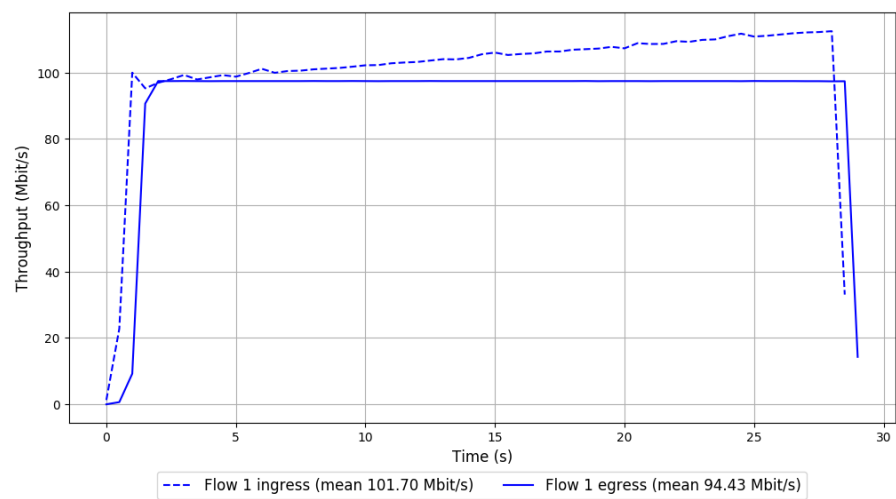


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-08-27 07:02:22
End at: 2019-08-27 07:02:52
Local clock offset: -0.976 ms
Remote clock offset: -49.874 ms

Below is generated by plot.py at 2019-08-27 08:03:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.43 Mbit/s
95th percentile per-packet one-way delay: 115.861 ms
Loss rate: 7.70%
-- Flow 1:
Average throughput: 94.43 Mbit/s
95th percentile per-packet one-way delay: 115.861 ms
Loss rate: 7.70%

Run 4: Report of Indigo-MusesC5 — Data Link

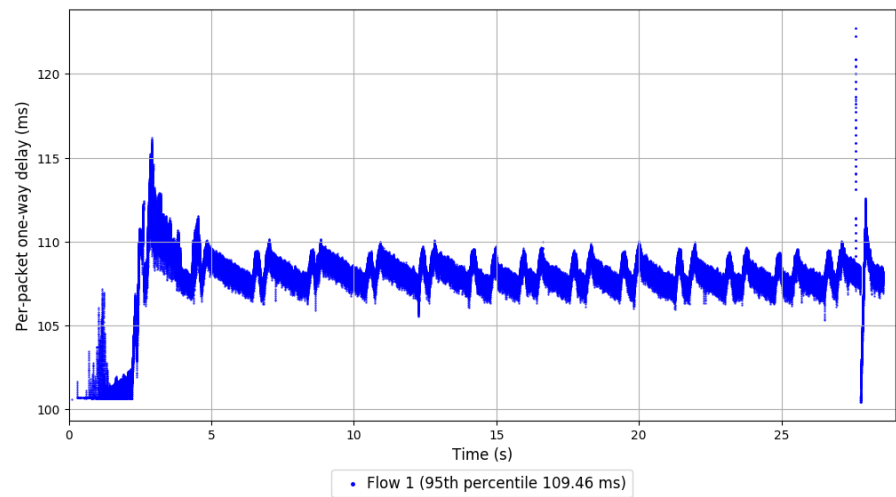
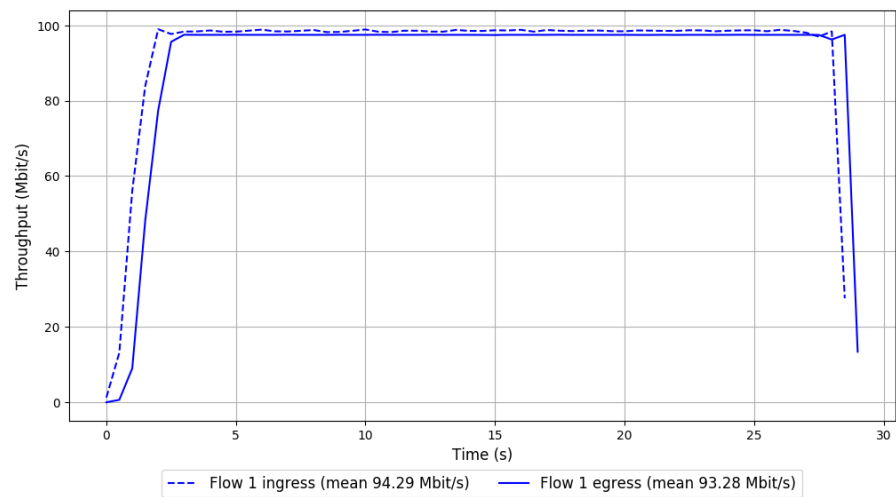


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-08-27 07:30:55
End at: 2019-08-27 07:31:25
Local clock offset: -0.202 ms
Remote clock offset: -28.967 ms

Below is generated by plot.py at 2019-08-27 08:03:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.28 Mbit/s
95th percentile per-packet one-way delay: 109.457 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 93.28 Mbit/s
95th percentile per-packet one-way delay: 109.457 ms
Loss rate: 1.66%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-08-27 05:56:55

End at: 2019-08-27 05:57:25

Local clock offset: -0.782 ms

Remote clock offset: -40.179 ms

Below is generated by plot.py at 2019-08-27 08:03:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.17 Mbit/s

95th percentile per-packet one-way delay: 113.443 ms

Loss rate: 2.25%

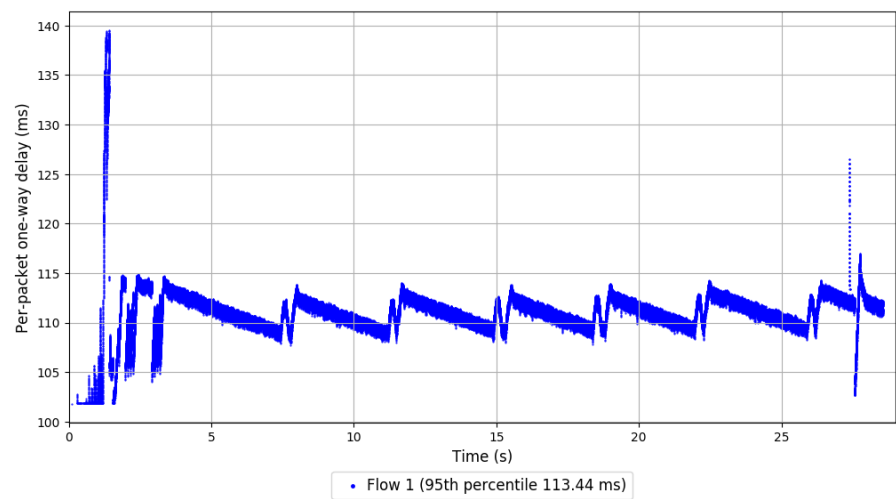
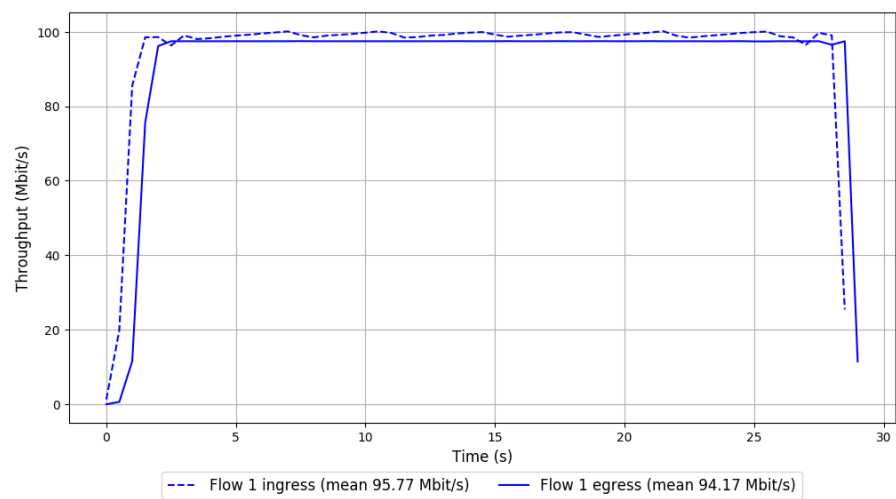
-- Flow 1:

Average throughput: 94.17 Mbit/s

95th percentile per-packet one-way delay: 113.443 ms

Loss rate: 2.25%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-08-27 06:25:23

End at: 2019-08-27 06:25:53

Local clock offset: -0.106 ms

Remote clock offset: -31.097 ms

Below is generated by plot.py at 2019-08-27 08:03:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.33 Mbit/s

95th percentile per-packet one-way delay: 110.634 ms

Loss rate: 2.12%

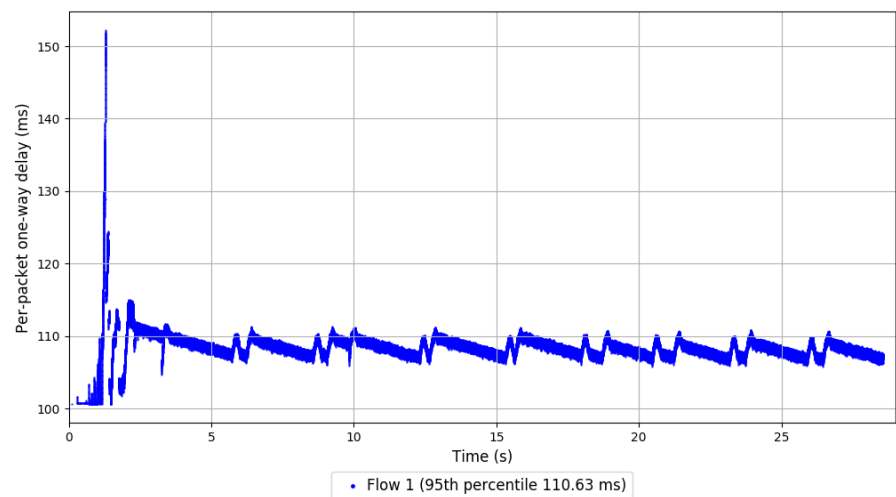
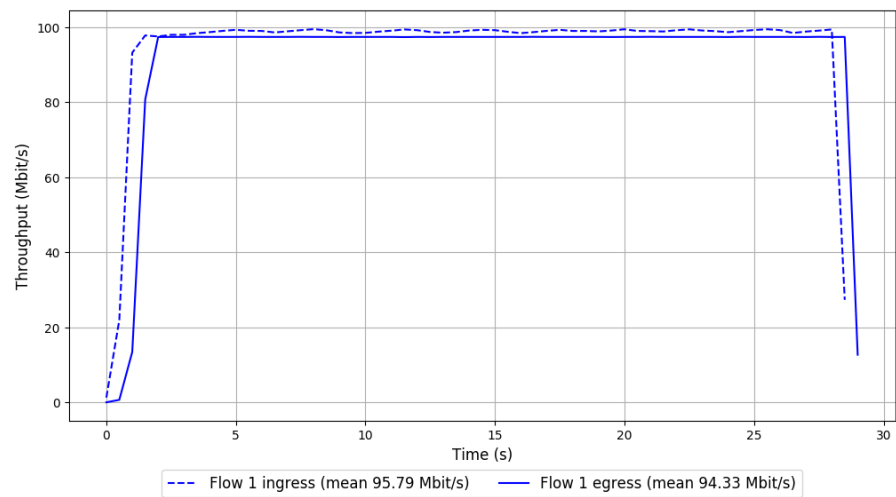
-- Flow 1:

Average throughput: 94.33 Mbit/s

95th percentile per-packet one-way delay: 110.634 ms

Loss rate: 2.12%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-08-27 06:53:58

End at: 2019-08-27 06:54:28

Local clock offset: -0.26 ms

Remote clock offset: -43.693 ms

Below is generated by plot.py at 2019-08-27 08:04:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.18 Mbit/s

95th percentile per-packet one-way delay: 115.814 ms

Loss rate: 2.31%

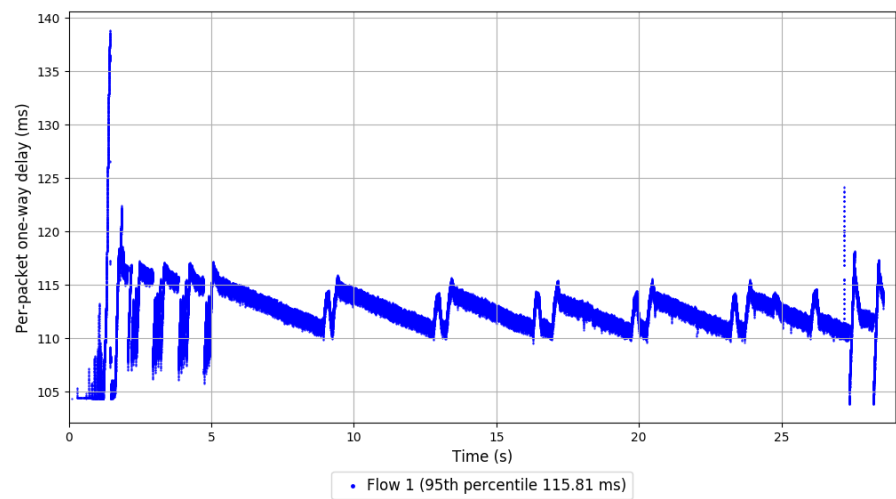
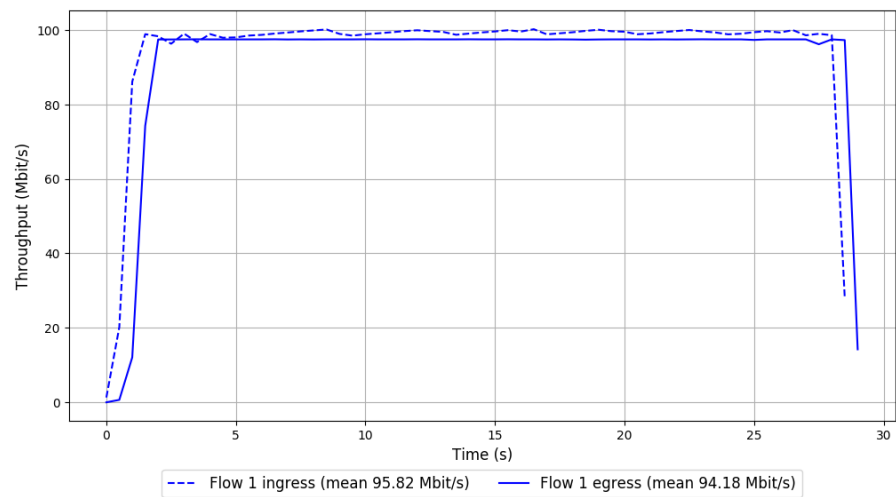
-- Flow 1:

Average throughput: 94.18 Mbit/s

95th percentile per-packet one-way delay: 115.814 ms

Loss rate: 2.31%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-08-27 07:22:31

End at: 2019-08-27 07:23:01

Local clock offset: -0.17 ms

Remote clock offset: -25.517 ms

Below is generated by plot.py at 2019-08-27 08:04:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.33 Mbit/s

95th percentile per-packet one-way delay: 110.993 ms

Loss rate: 2.05%

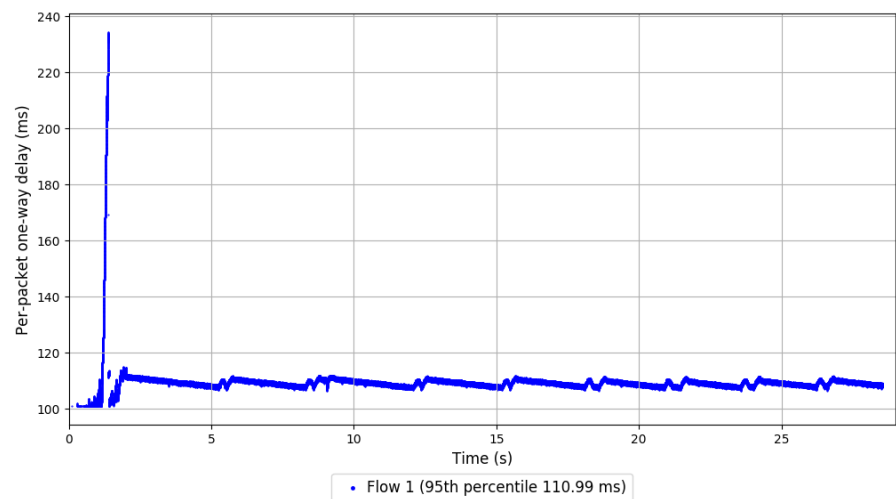
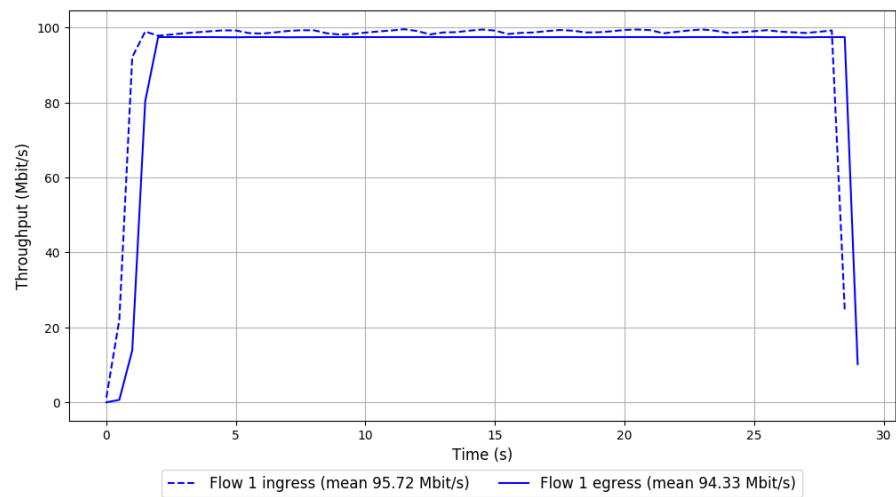
-- Flow 1:

Average throughput: 94.33 Mbit/s

95th percentile per-packet one-way delay: 110.993 ms

Loss rate: 2.05%

Run 4: Report of Indigo-MusesD — Data Link

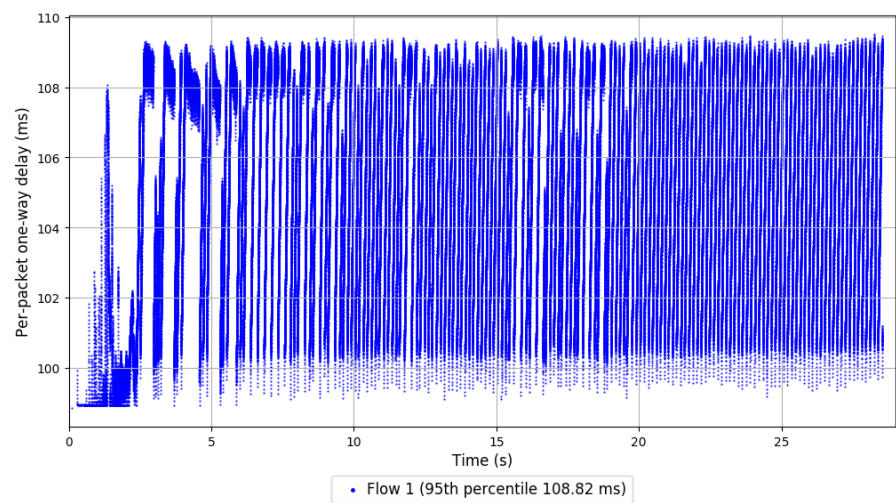
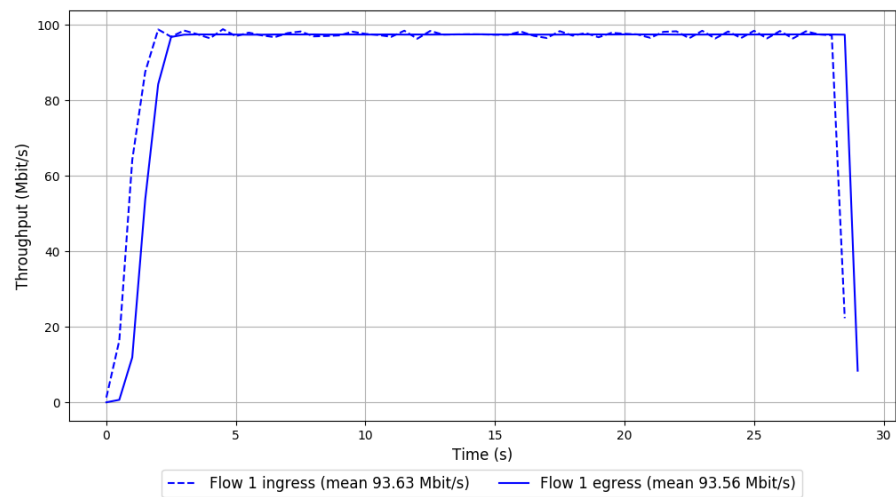


Run 5: Statistics of Indigo-MusesD

Start at: 2019-08-27 07:51:02
End at: 2019-08-27 07:51:32
Local clock offset: -0.932 ms
Remote clock offset: -16.021 ms

Below is generated by plot.py at 2019-08-27 08:04:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.56 Mbit/s
95th percentile per-packet one-way delay: 108.822 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 93.56 Mbit/s
95th percentile per-packet one-way delay: 108.822 ms
Loss rate: 0.67%

Run 5: Report of Indigo-MusesD — Data Link

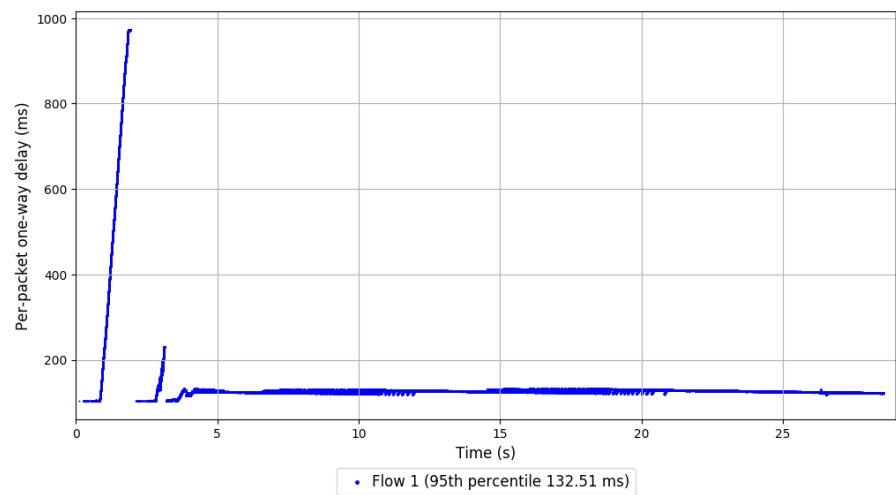
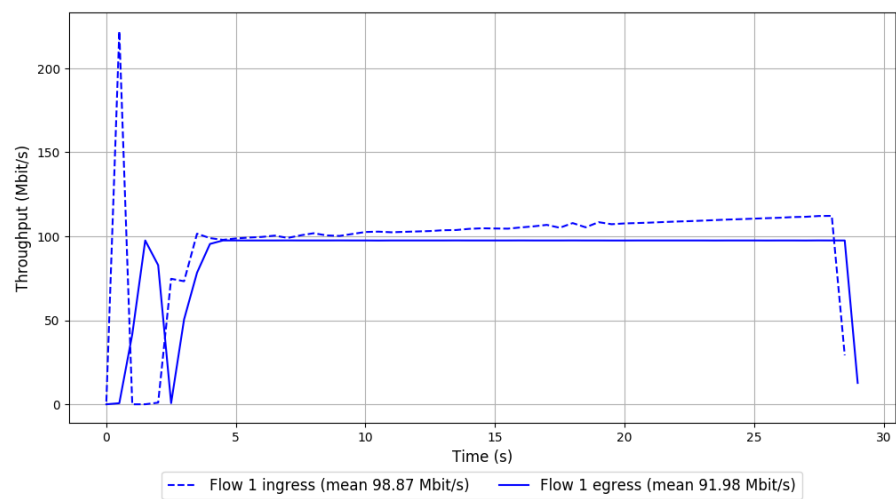


Run 1: Statistics of Indigo-MusesT

Start at: 2019-08-27 05:42:40
End at: 2019-08-27 05:43:10
Local clock offset: -0.757 ms
Remote clock offset: -41.718 ms

Below is generated by plot.py at 2019-08-27 08:04:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.98 Mbit/s
95th percentile per-packet one-way delay: 132.512 ms
Loss rate: 7.52%
-- Flow 1:
Average throughput: 91.98 Mbit/s
95th percentile per-packet one-way delay: 132.512 ms
Loss rate: 7.52%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-08-27 06:11:11

End at: 2019-08-27 06:11:41

Local clock offset: -0.801 ms

Remote clock offset: -67.662 ms

Below is generated by plot.py at 2019-08-27 08:04:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.06 Mbit/s

95th percentile per-packet one-way delay: 127.796 ms

Loss rate: 7.52%

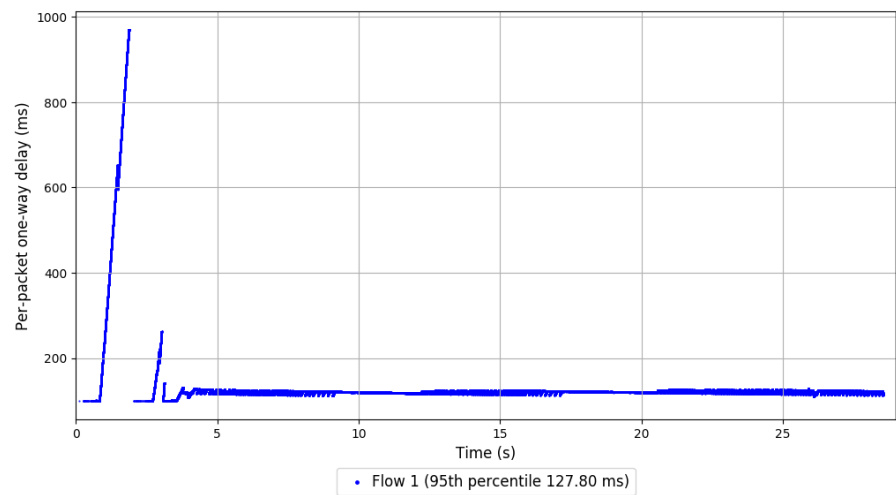
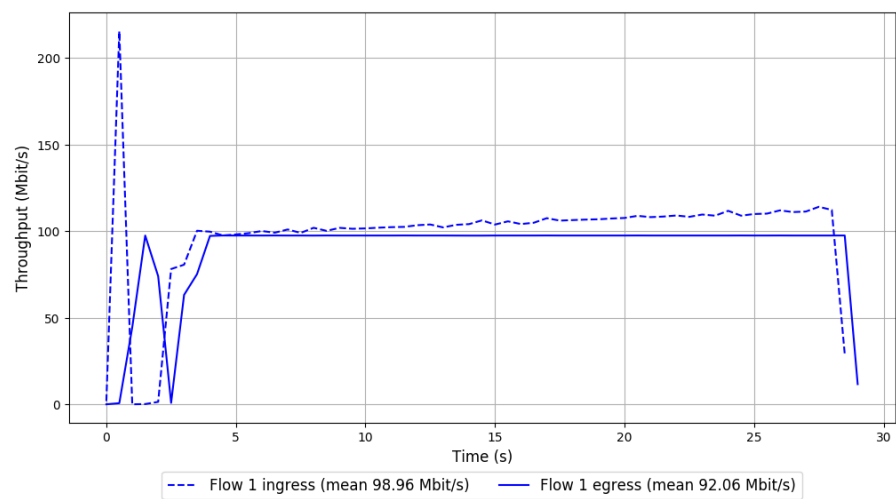
-- Flow 1:

Average throughput: 92.06 Mbit/s

95th percentile per-packet one-way delay: 127.796 ms

Loss rate: 7.52%

Run 2: Report of Indigo-MusesT — Data Link

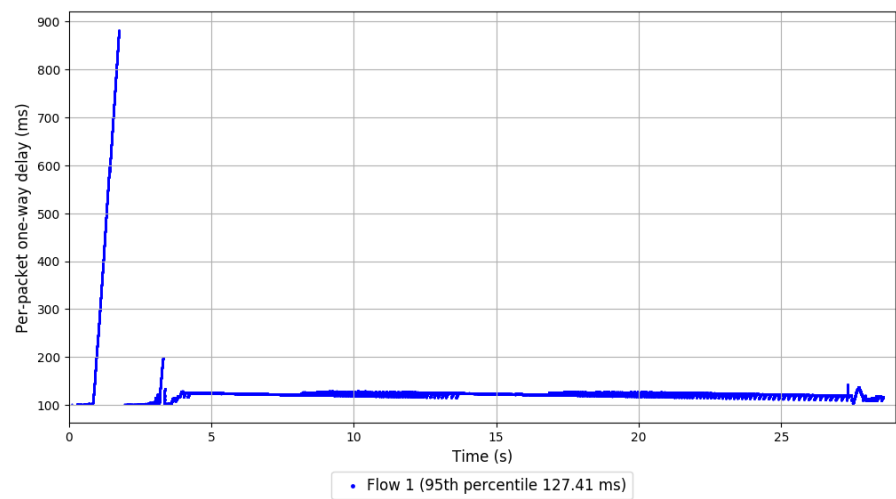
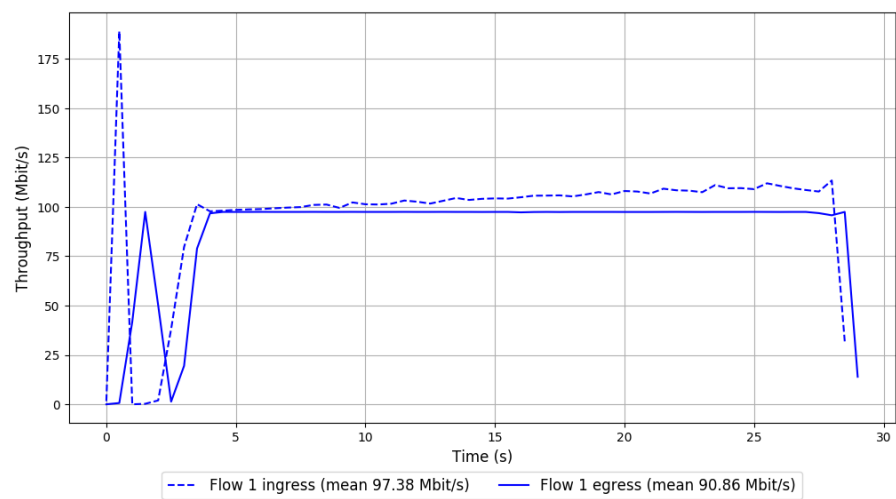


Run 3: Statistics of Indigo-MusesT

Start at: 2019-08-27 06:39:44
End at: 2019-08-27 06:40:14
Local clock offset: -0.293 ms
Remote clock offset: -28.478 ms

Below is generated by plot.py at 2019-08-27 08:04:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.86 Mbit/s
95th percentile per-packet one-way delay: 127.407 ms
Loss rate: 7.26%
-- Flow 1:
Average throughput: 90.86 Mbit/s
95th percentile per-packet one-way delay: 127.407 ms
Loss rate: 7.26%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-08-27 07:08:14

End at: 2019-08-27 07:08:44

Local clock offset: -0.261 ms

Remote clock offset: -34.949 ms

Below is generated by plot.py at 2019-08-27 08:05:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.44 Mbit/s

95th percentile per-packet one-way delay: 135.910 ms

Loss rate: 7.39%

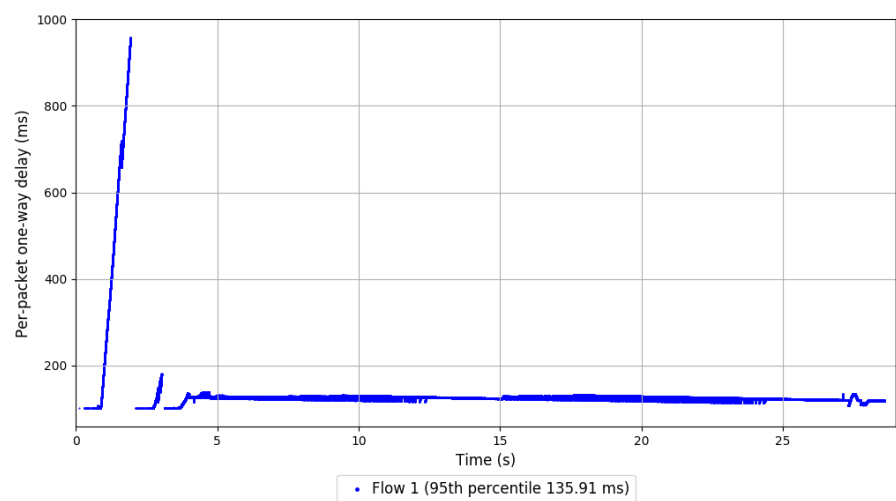
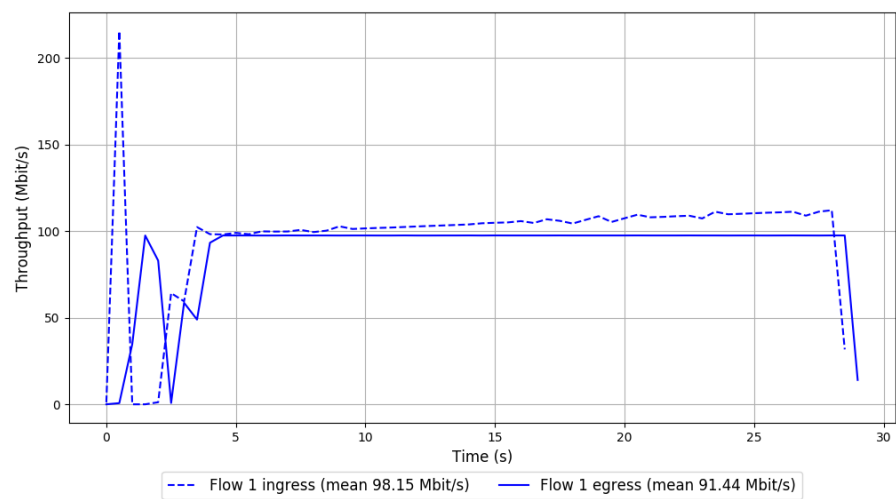
-- Flow 1:

Average throughput: 91.44 Mbit/s

95th percentile per-packet one-way delay: 135.910 ms

Loss rate: 7.39%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-08-27 07:36:47

End at: 2019-08-27 07:37:17

Local clock offset: -0.172 ms

Remote clock offset: -31.819 ms

Below is generated by plot.py at 2019-08-27 08:05:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.89 Mbit/s

95th percentile per-packet one-way delay: 131.600 ms

Loss rate: 7.01%

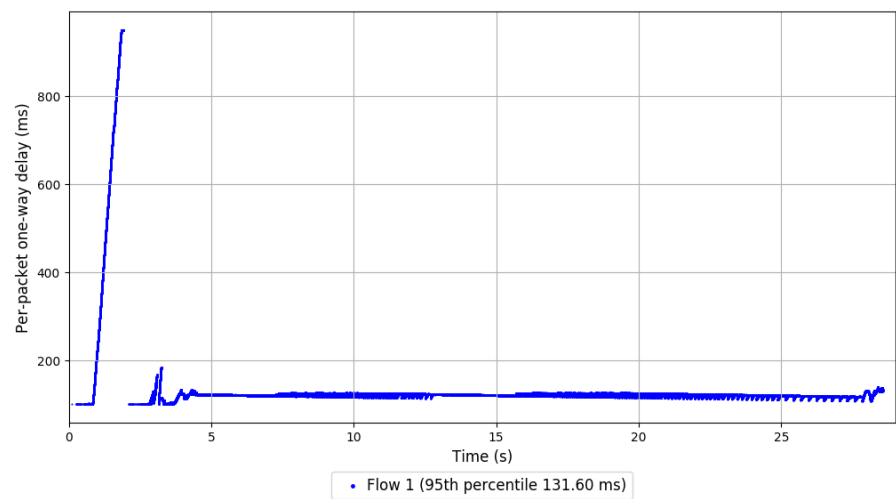
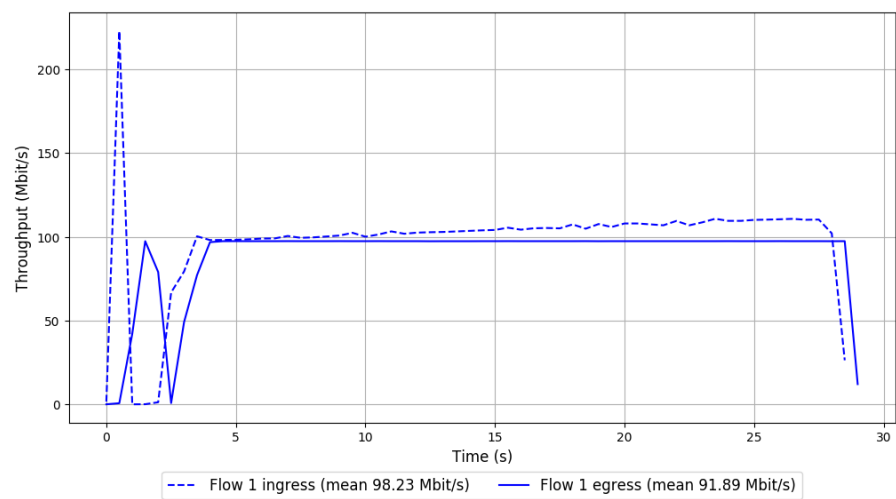
-- Flow 1:

Average throughput: 91.89 Mbit/s

95th percentile per-packet one-way delay: 131.600 ms

Loss rate: 7.01%

Run 5: Report of Indigo-MusesT — Data Link

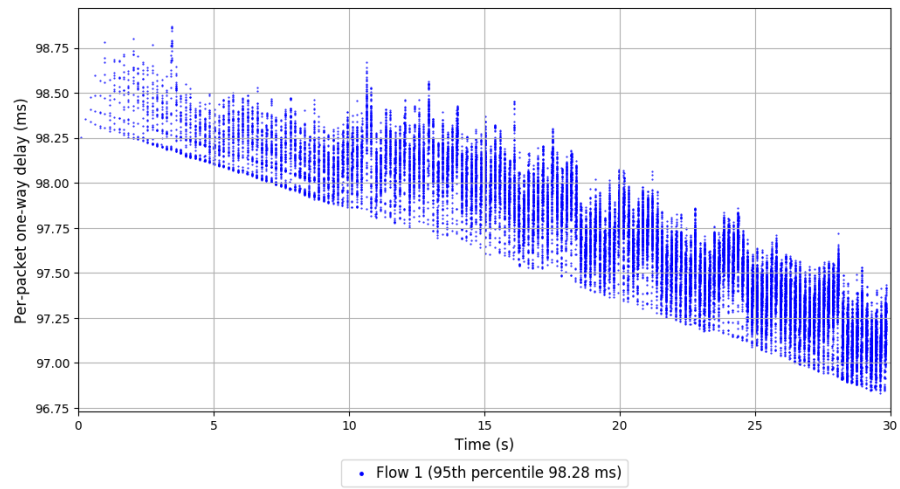
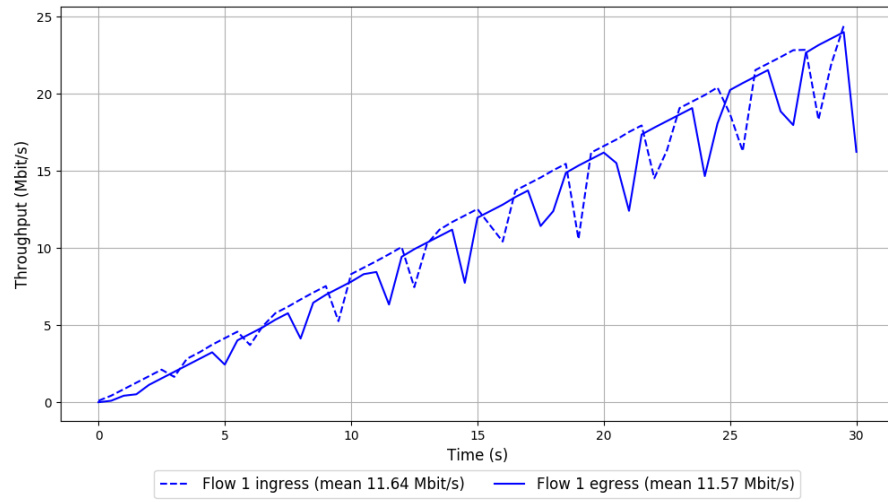


Run 1: Statistics of LEDBAT

Start at: 2019-08-27 05:49:55
End at: 2019-08-27 05:50:25
Local clock offset: -0.809 ms
Remote clock offset: -30.393 ms

Below is generated by plot.py at 2019-08-27 08:05:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.57 Mbit/s
95th percentile per-packet one-way delay: 98.283 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 11.57 Mbit/s
95th percentile per-packet one-way delay: 98.283 ms
Loss rate: 1.18%

Run 1: Report of LEDBAT — Data Link

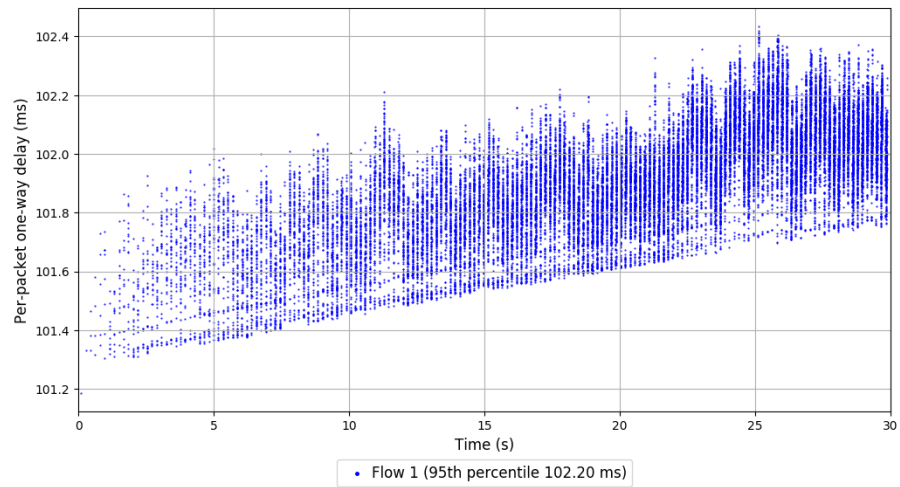
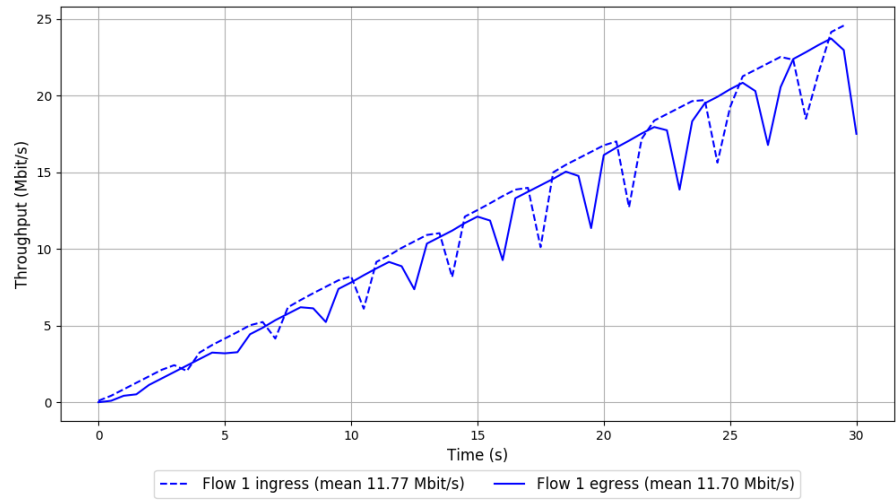


Run 2: Statistics of LEDBAT

Start at: 2019-08-27 06:18:23
End at: 2019-08-27 06:18:53
Local clock offset: -0.035 ms
Remote clock offset: -29.312 ms

Below is generated by plot.py at 2019-08-27 08:05:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.70 Mbit/s
95th percentile per-packet one-way delay: 102.204 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 11.70 Mbit/s
95th percentile per-packet one-way delay: 102.204 ms
Loss rate: 1.17%

Run 2: Report of LEDBAT — Data Link

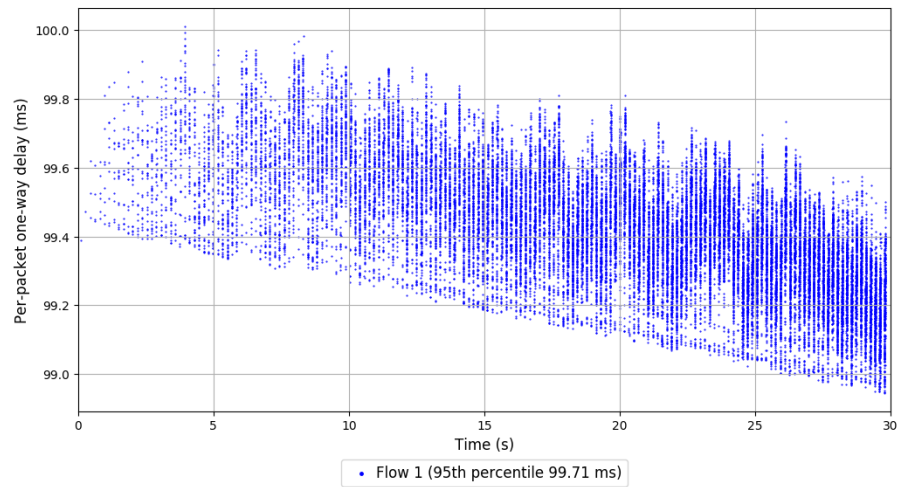
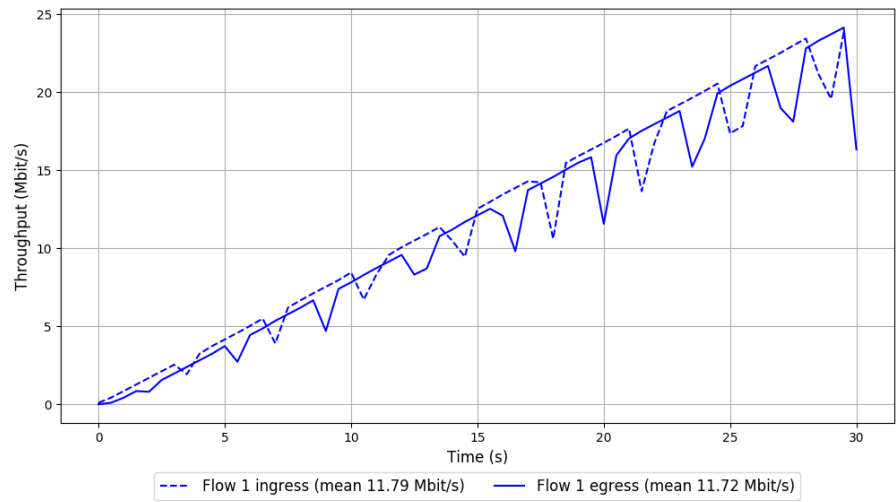


Run 3: Statistics of LEDBAT

Start at: 2019-08-27 06:46:57
End at: 2019-08-27 06:47:27
Local clock offset: -0.29 ms
Remote clock offset: -31.011 ms

Below is generated by plot.py at 2019-08-27 08:05:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.72 Mbit/s
95th percentile per-packet one-way delay: 99.710 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 11.72 Mbit/s
95th percentile per-packet one-way delay: 99.710 ms
Loss rate: 1.17%

Run 3: Report of LEDBAT — Data Link

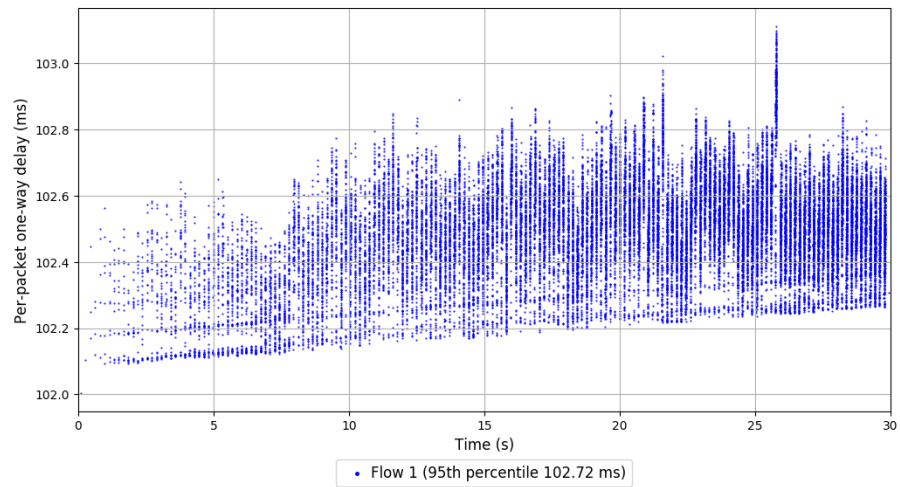
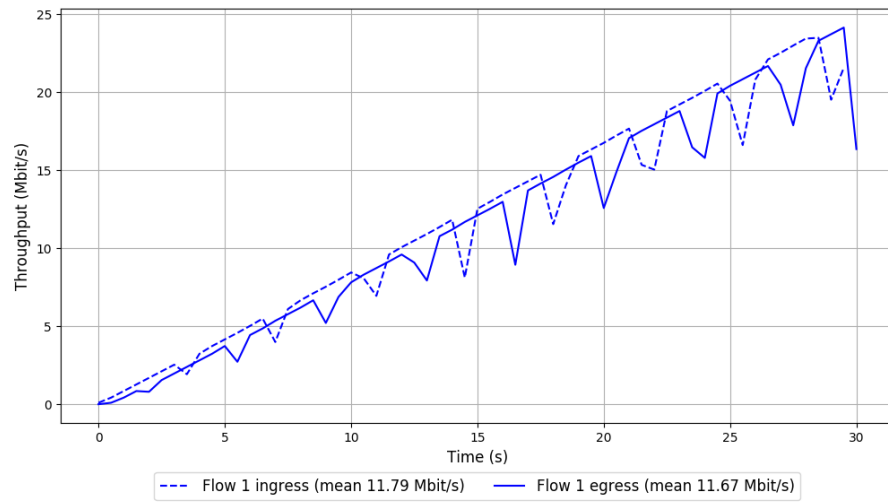


Run 4: Statistics of LEDBAT

Start at: 2019-08-27 07:15:30
End at: 2019-08-27 07:16:00
Local clock offset: -0.188 ms
Remote clock offset: -26.967 ms

Below is generated by plot.py at 2019-08-27 08:05:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.67 Mbit/s
95th percentile per-packet one-way delay: 102.724 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 11.67 Mbit/s
95th percentile per-packet one-way delay: 102.724 ms
Loss rate: 1.17%

Run 4: Report of LEDBAT — Data Link

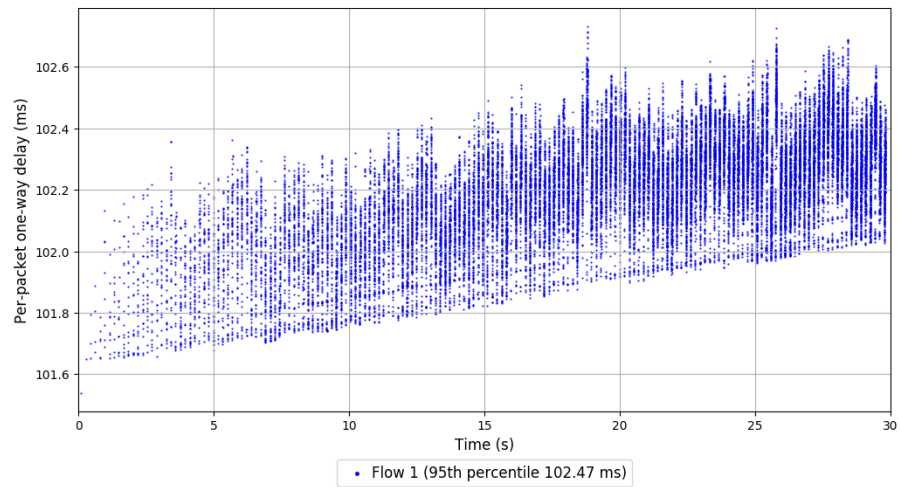
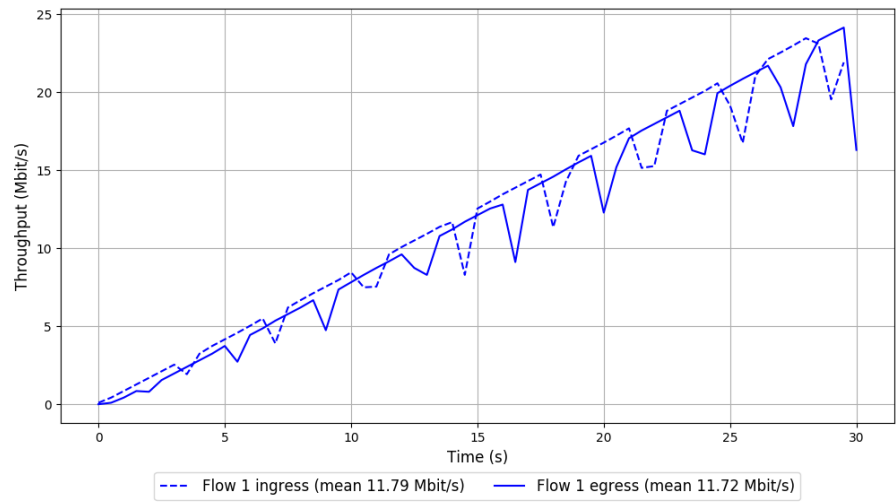


Run 5: Statistics of LEDBAT

Start at: 2019-08-27 07:44:01
End at: 2019-08-27 07:44:31
Local clock offset: -0.154 ms
Remote clock offset: -21.086 ms

Below is generated by plot.py at 2019-08-27 08:05:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.72 Mbit/s
95th percentile per-packet one-way delay: 102.468 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 11.72 Mbit/s
95th percentile per-packet one-way delay: 102.468 ms
Loss rate: 1.17%

Run 5: Report of LEDBAT — Data Link

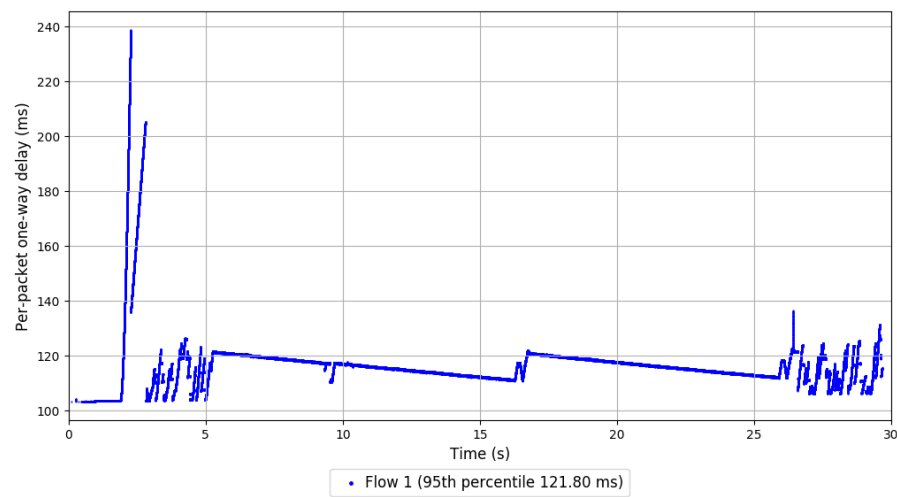
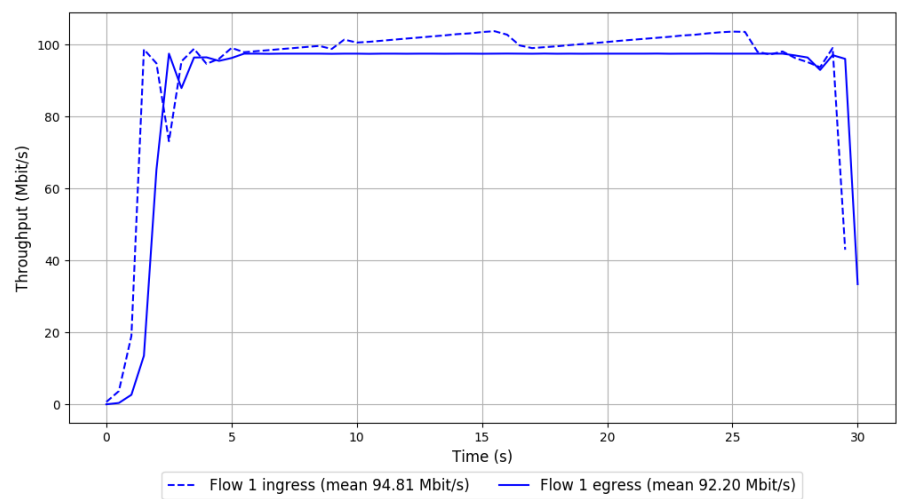


Run 1: Statistics of Muses_DecisionTree

Start at: 2019-08-27 05:54:33
End at: 2019-08-27 05:55:03
Local clock offset: -0.01 ms
Remote clock offset: -51.721 ms

Below is generated by plot.py at 2019-08-27 08:05:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.20 Mbit/s
95th percentile per-packet one-way delay: 121.801 ms
Loss rate: 3.30%
-- Flow 1:
Average throughput: 92.20 Mbit/s
95th percentile per-packet one-way delay: 121.801 ms
Loss rate: 3.30%

Run 1: Report of Muses_DecisionTree — Data Link

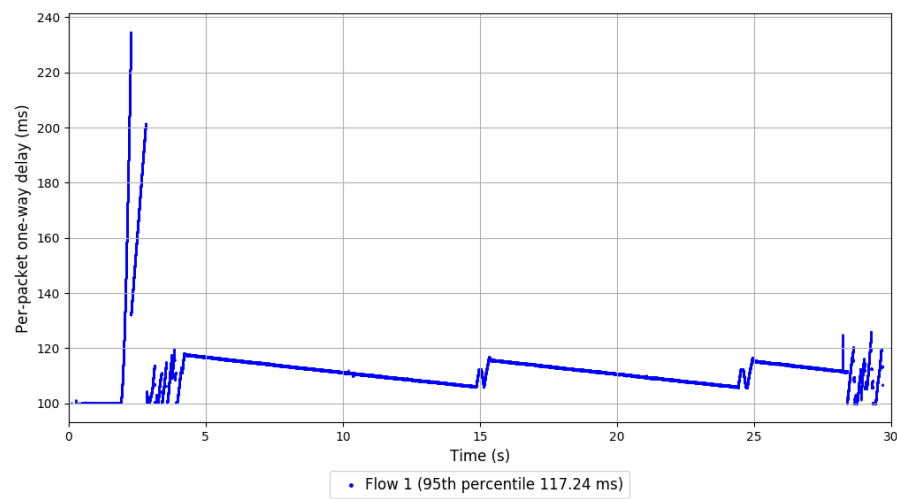
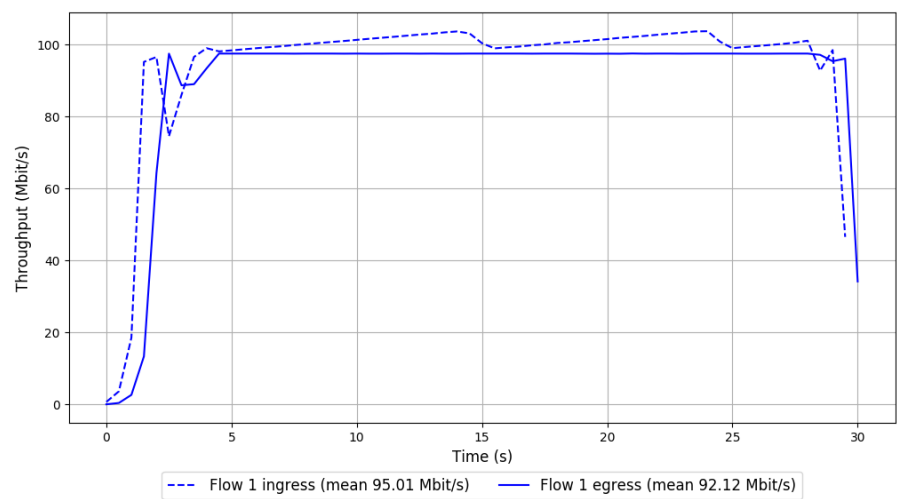


Run 2: Statistics of Muses_DecisionTree

Start at: 2019-08-27 06:23:02
End at: 2019-08-27 06:23:32
Local clock offset: -0.083 ms
Remote clock offset: -28.132 ms

Below is generated by plot.py at 2019-08-27 08:05:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.12 Mbit/s
95th percentile per-packet one-way delay: 117.244 ms
Loss rate: 3.60%
-- Flow 1:
Average throughput: 92.12 Mbit/s
95th percentile per-packet one-way delay: 117.244 ms
Loss rate: 3.60%

Run 2: Report of Muses_DecisionTree — Data Link

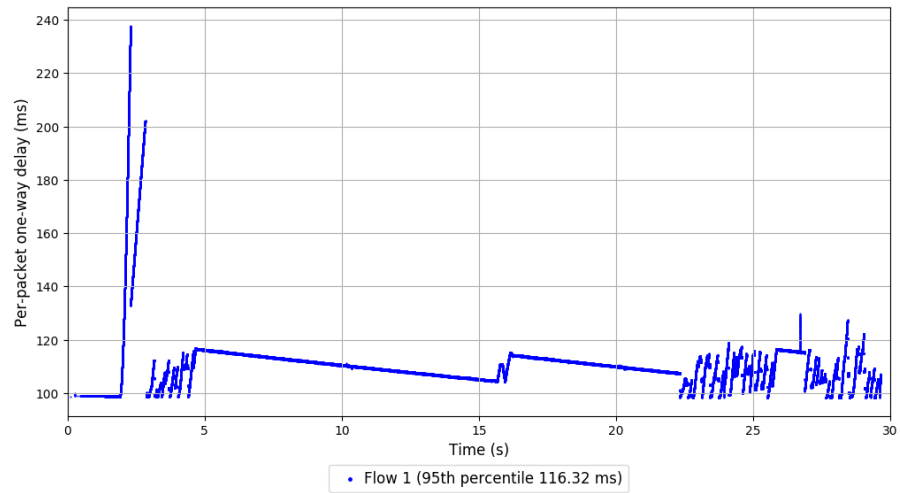
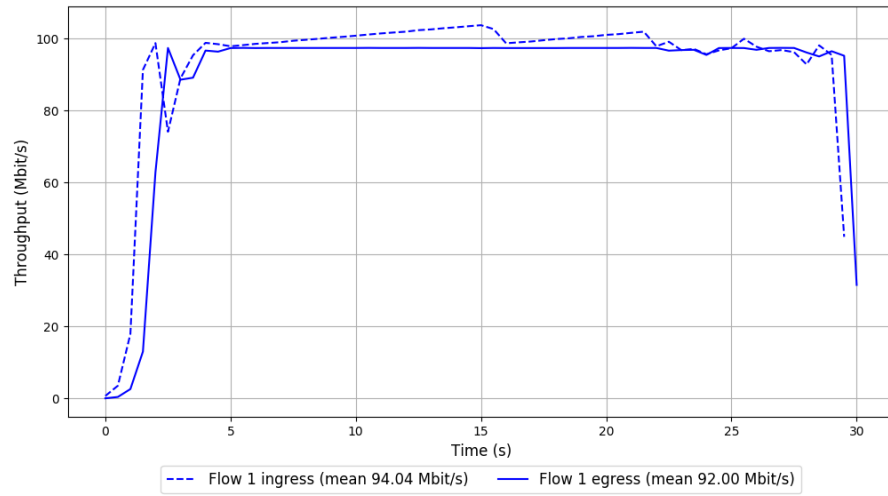


Run 3: Statistics of Muses_DecisionTree

Start at: 2019-08-27 06:51:36
End at: 2019-08-27 06:52:06
Local clock offset: -1.032 ms
Remote clock offset: -36.499 ms

Below is generated by plot.py at 2019-08-27 08:05:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.00 Mbit/s
95th percentile per-packet one-way delay: 116.319 ms
Loss rate: 2.74%
-- Flow 1:
Average throughput: 92.00 Mbit/s
95th percentile per-packet one-way delay: 116.319 ms
Loss rate: 2.74%

Run 3: Report of Muses_DecisionTree — Data Link

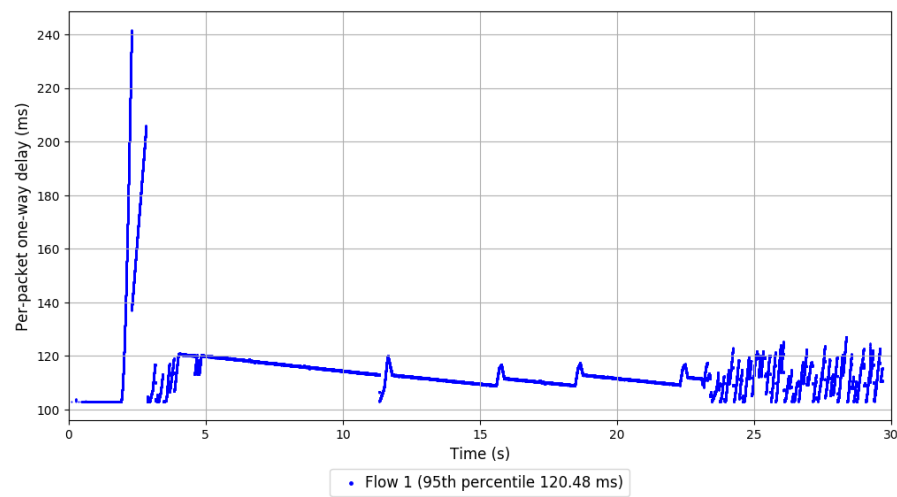
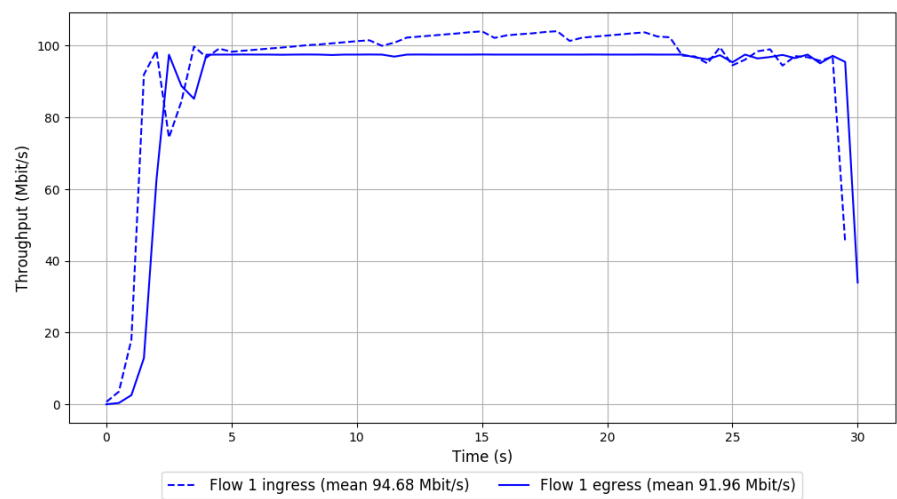


Run 4: Statistics of Muses_DecisionTree

Start at: 2019-08-27 07:20:09
End at: 2019-08-27 07:20:39
Local clock offset: -0.935 ms
Remote clock offset: -27.992 ms

Below is generated by plot.py at 2019-08-27 08:05:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.96 Mbit/s
95th percentile per-packet one-way delay: 120.485 ms
Loss rate: 3.44%
-- Flow 1:
Average throughput: 91.96 Mbit/s
95th percentile per-packet one-way delay: 120.485 ms
Loss rate: 3.44%

Run 4: Report of Muses_DecisionTree — Data Link

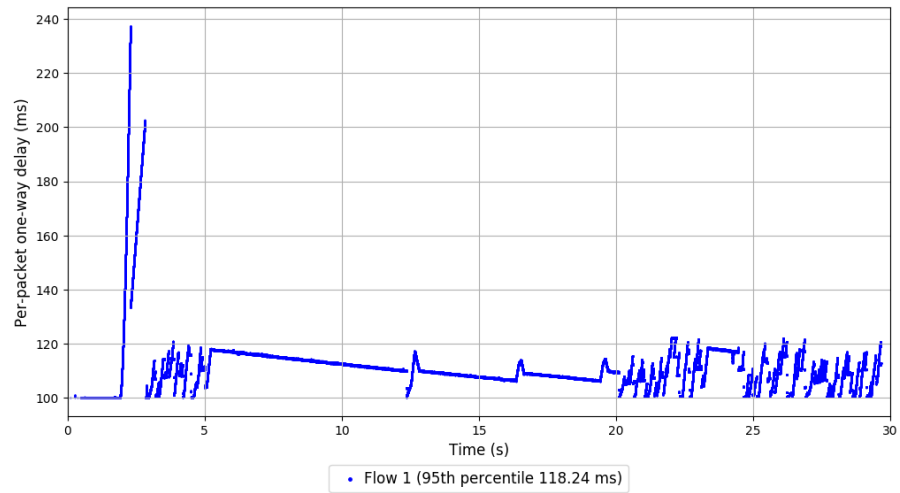
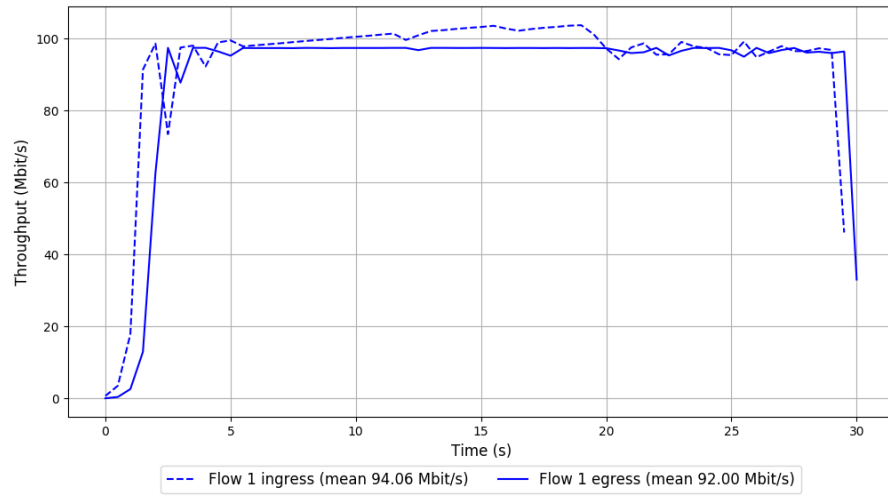


Run 5: Statistics of Muses_DecisionTree

Start at: 2019-08-27 07:48:39
End at: 2019-08-27 07:49:09
Local clock offset: -0.217 ms
Remote clock offset: -17.201 ms

Below is generated by plot.py at 2019-08-27 08:06:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.00 Mbit/s
95th percentile per-packet one-way delay: 118.237 ms
Loss rate: 2.75%
-- Flow 1:
Average throughput: 92.00 Mbit/s
95th percentile per-packet one-way delay: 118.237 ms
Loss rate: 2.75%

Run 5: Report of Muses_DecisionTree — Data Link

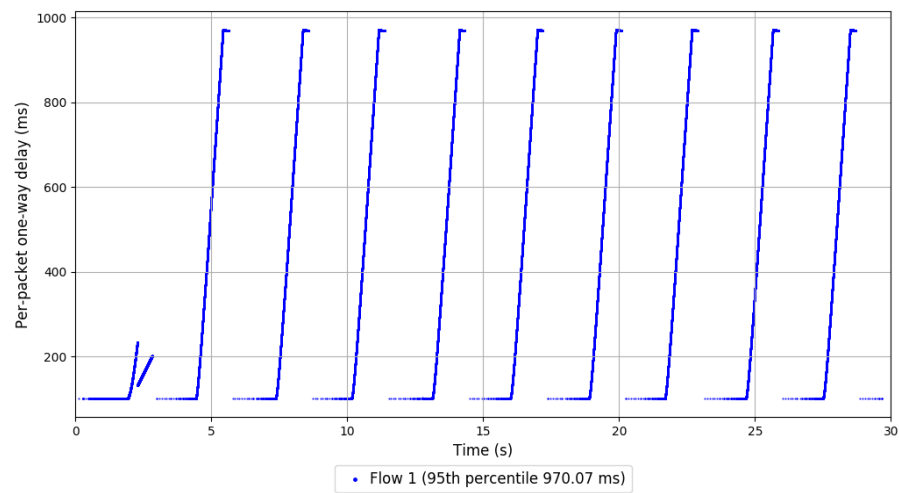
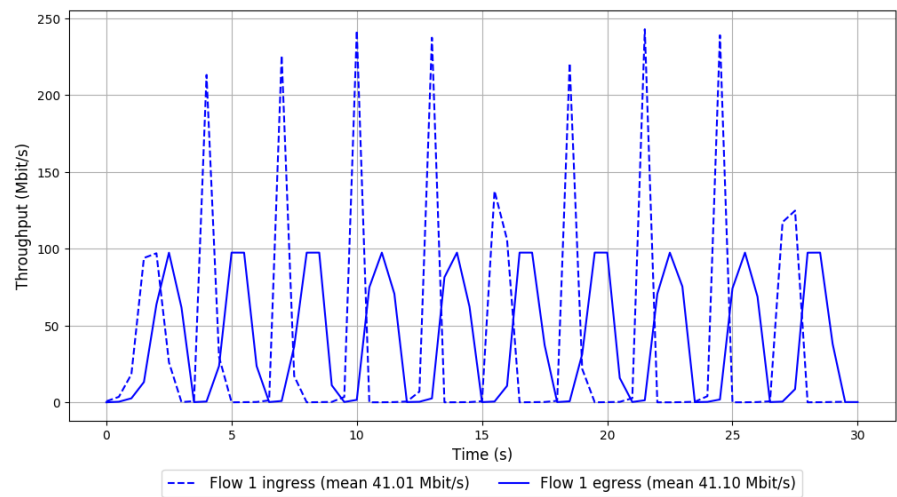



```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-08-27 05:58:07
End at: 2019-08-27 05:58:37
Local clock offset: -0.784 ms
Remote clock offset: -37.299 ms

# Below is generated by plot.py at 2019-08-27 08:06:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.10 Mbit/s
95th percentile per-packet one-way delay: 970.067 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 41.10 Mbit/s
95th percentile per-packet one-way delay: 970.067 ms
Loss rate: 0.36%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link

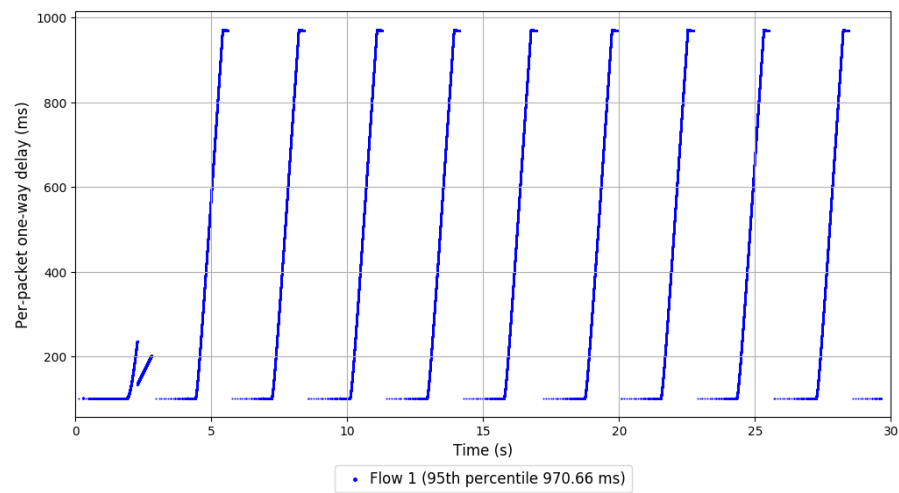
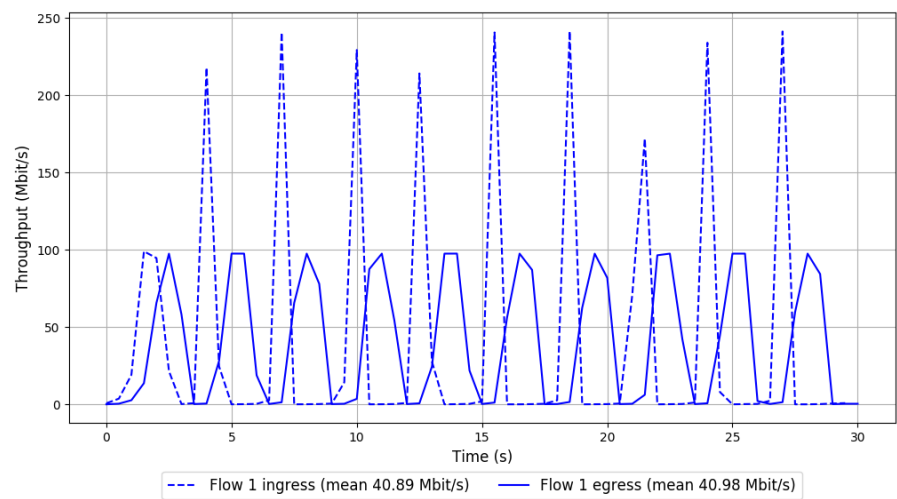


Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-27 06:26:35
End at: 2019-08-27 06:27:05
Local clock offset: -0.109 ms
Remote clock offset: -33.438 ms

Below is generated by plot.py at 2019-08-27 08:06:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.98 Mbit/s
95th percentile per-packet one-way delay: 970.661 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 40.98 Mbit/s
95th percentile per-packet one-way delay: 970.661 ms
Loss rate: 0.38%

Run 2: Report of Muses_DecisionTreeH0 — Data Link

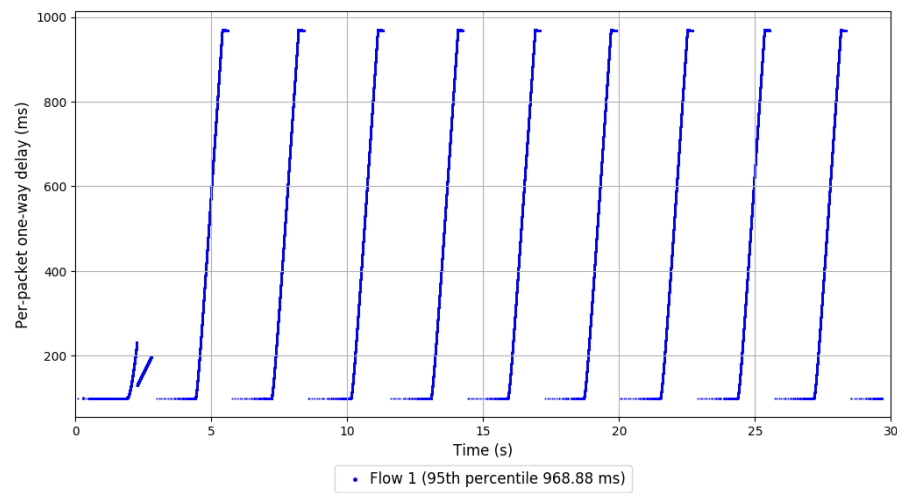
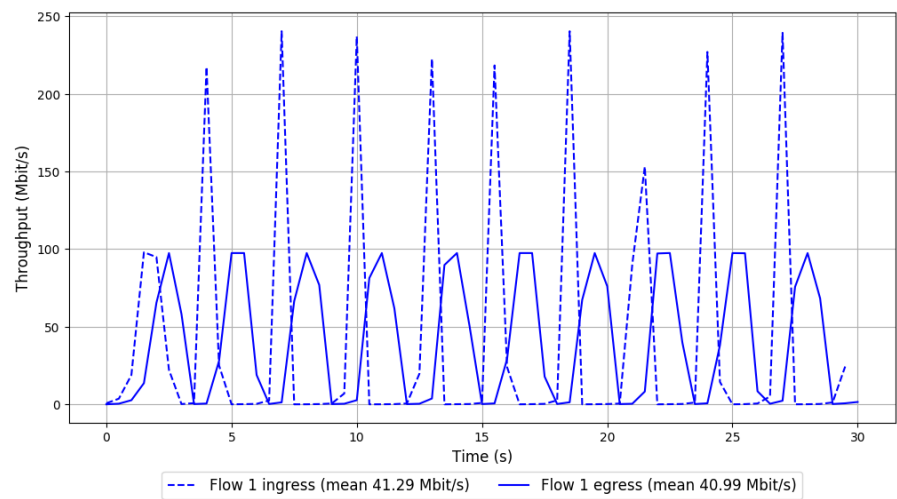


Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-27 06:55:09
End at: 2019-08-27 06:55:40
Local clock offset: -1.014 ms
Remote clock offset: -41.363 ms

Below is generated by plot.py at 2019-08-27 08:06:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.99 Mbit/s
95th percentile per-packet one-way delay: 968.885 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 40.99 Mbit/s
95th percentile per-packet one-way delay: 968.885 ms
Loss rate: 1.31%

Run 3: Report of Muses_DecisionTreeH0 — Data Link

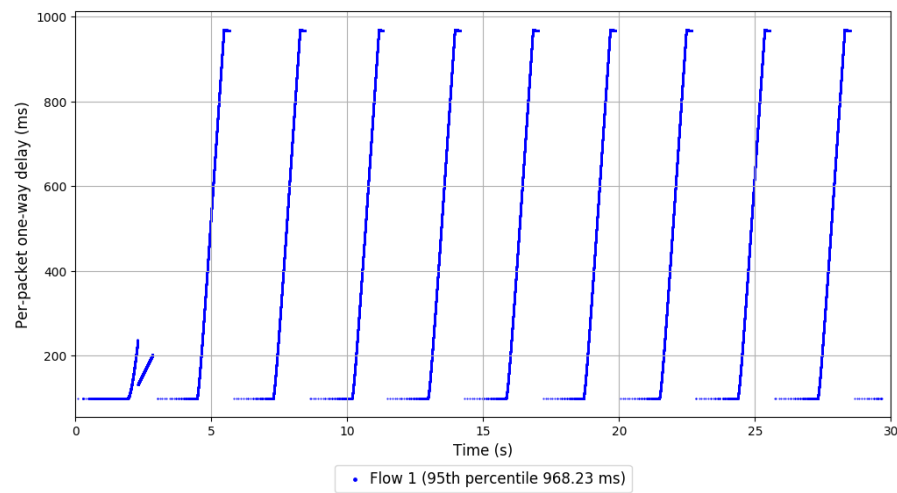
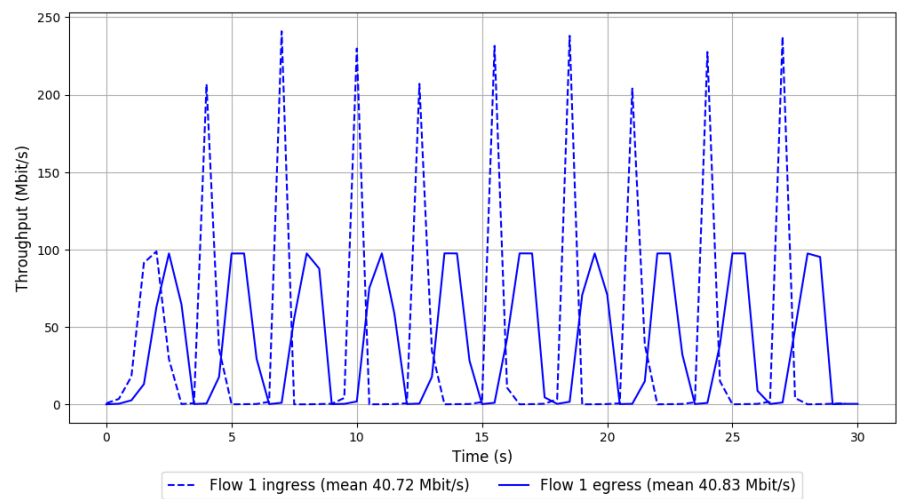


Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-27 07:23:43
End at: 2019-08-27 07:24:13
Local clock offset: -0.967 ms
Remote clock offset: -24.336 ms

Below is generated by plot.py at 2019-08-27 08:06:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.83 Mbit/s
95th percentile per-packet one-way delay: 968.225 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 40.83 Mbit/s
95th percentile per-packet one-way delay: 968.225 ms
Loss rate: 0.38%

Run 4: Report of Muses_DecisionTreeH0 — Data Link

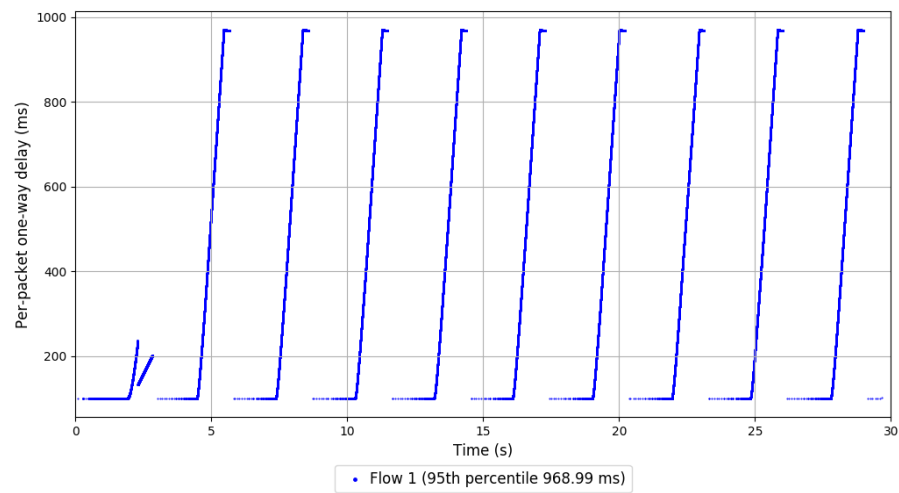
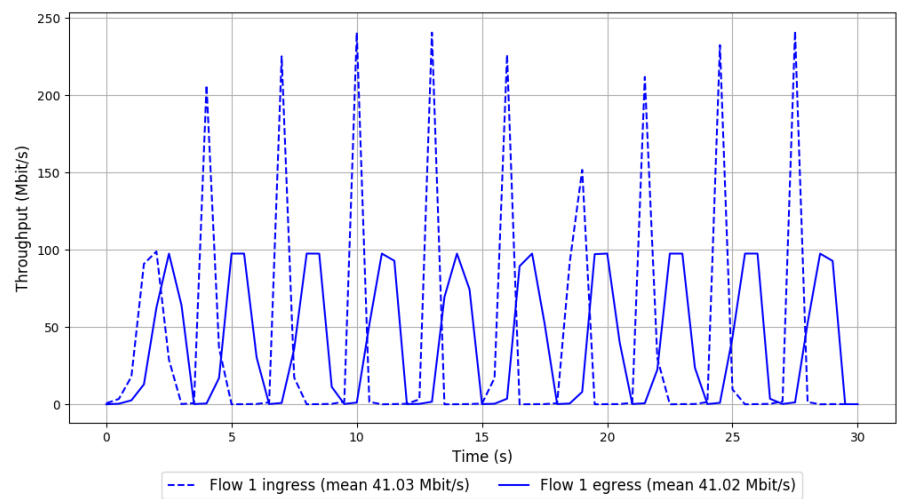


Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-27 07:52:14
End at: 2019-08-27 07:52:44
Local clock offset: -0.925 ms
Remote clock offset: -15.841 ms

Below is generated by plot.py at 2019-08-27 08:06:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.02 Mbit/s
95th percentile per-packet one-way delay: 968.991 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 41.02 Mbit/s
95th percentile per-packet one-way delay: 968.991 ms
Loss rate: 0.35%

Run 5: Report of Muses_DecisionTreeH0 — Data Link

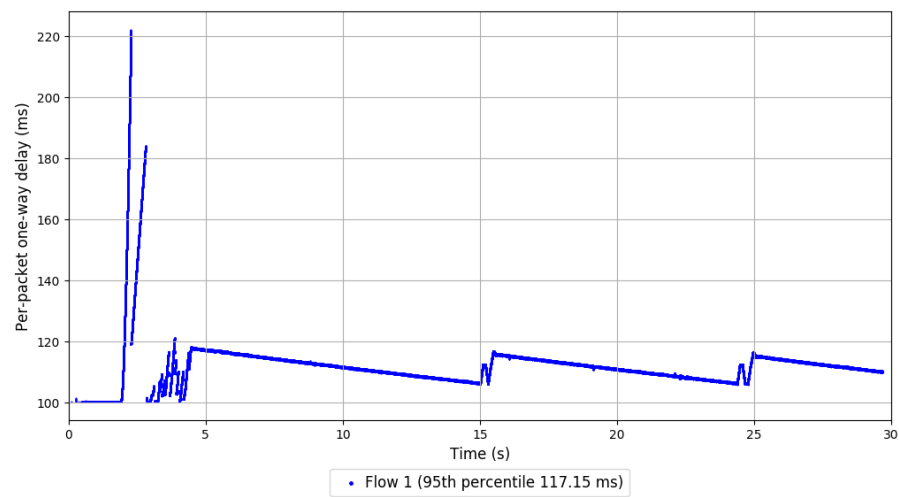
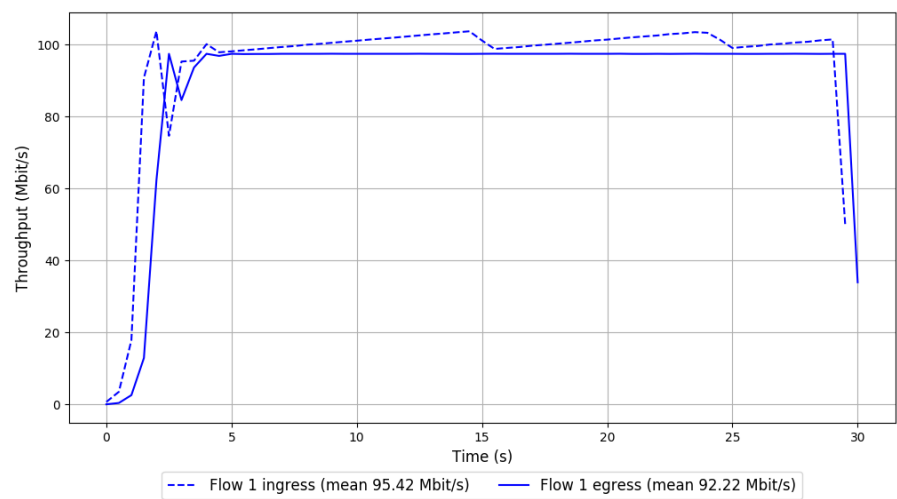


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-08-27 05:59:17
End at: 2019-08-27 05:59:47
Local clock offset: -0.78 ms
Remote clock offset: -36.637 ms

# Below is generated by plot.py at 2019-08-27 08:06:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.22 Mbit/s
95th percentile per-packet one-way delay: 117.151 ms
Loss rate: 3.91%
-- Flow 1:
Average throughput: 92.22 Mbit/s
95th percentile per-packet one-way delay: 117.151 ms
Loss rate: 3.91%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

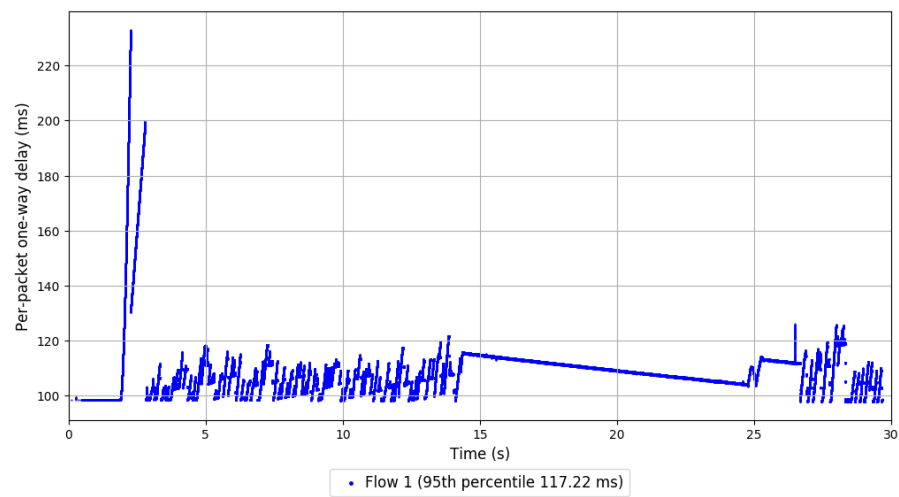
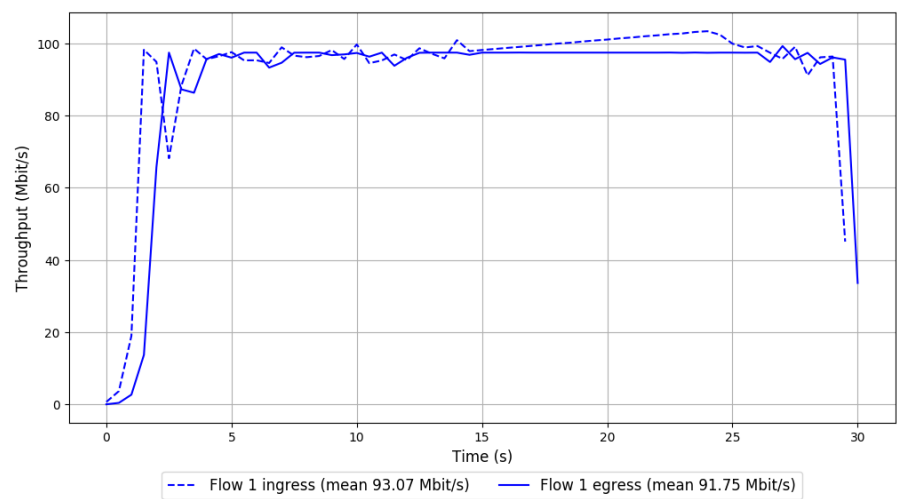


Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-27 06:27:45
End at: 2019-08-27 06:28:15
Local clock offset: -0.974 ms
Remote clock offset: -33.106 ms

Below is generated by plot.py at 2019-08-27 08:06:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.75 Mbit/s
95th percentile per-packet one-way delay: 117.221 ms
Loss rate: 2.00%
-- Flow 1:
Average throughput: 91.75 Mbit/s
95th percentile per-packet one-way delay: 117.221 ms
Loss rate: 2.00%

Run 2: Report of Muses_DecisionTreeR0 — Data Link

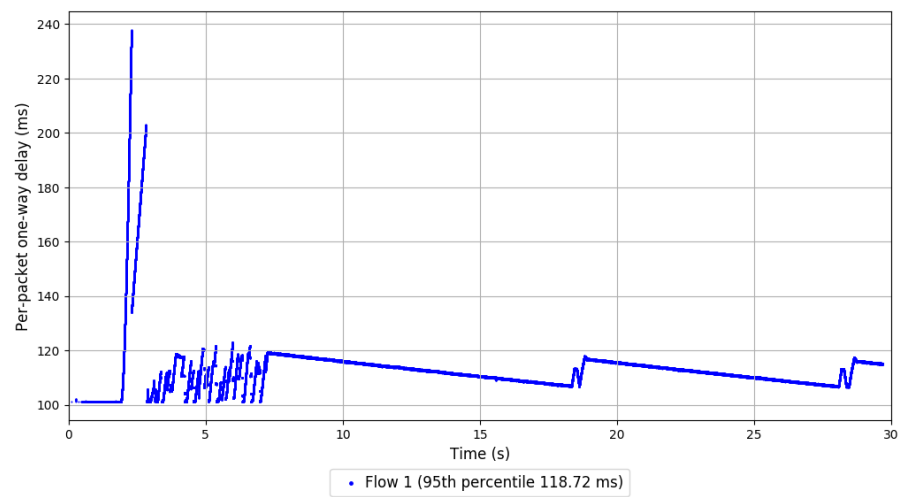
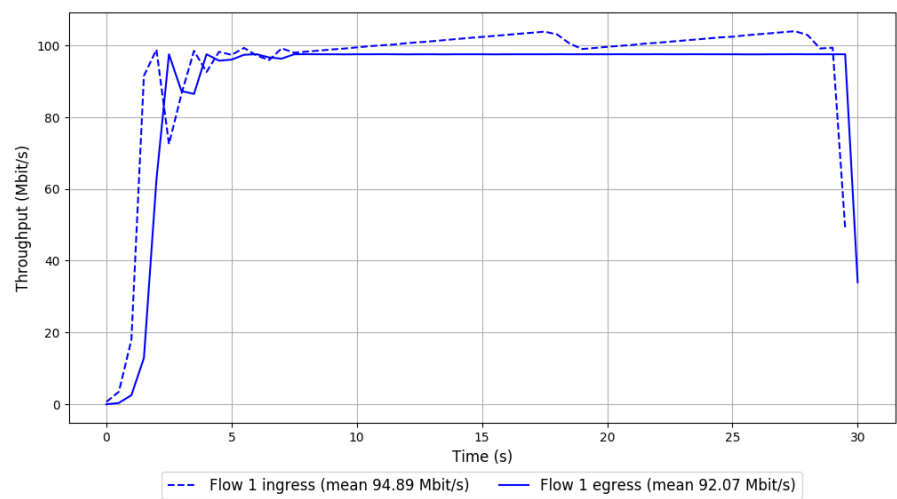


Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-27 06:56:19
End at: 2019-08-27 06:56:49
Local clock offset: -0.235 ms
Remote clock offset: -43.313 ms

Below is generated by plot.py at 2019-08-27 08:07:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.07 Mbit/s
95th percentile per-packet one-way delay: 118.717 ms
Loss rate: 3.53%
-- Flow 1:
Average throughput: 92.07 Mbit/s
95th percentile per-packet one-way delay: 118.717 ms
Loss rate: 3.53%

Run 3: Report of Muses_DecisionTreeR0 — Data Link

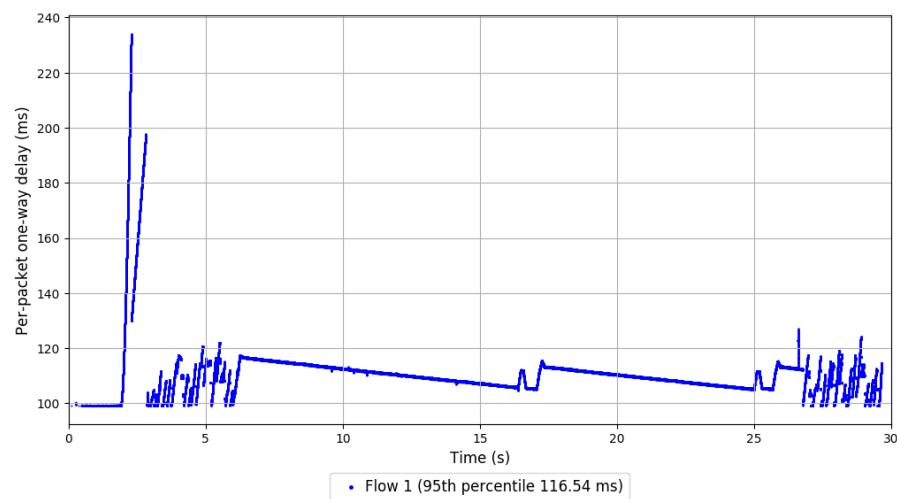
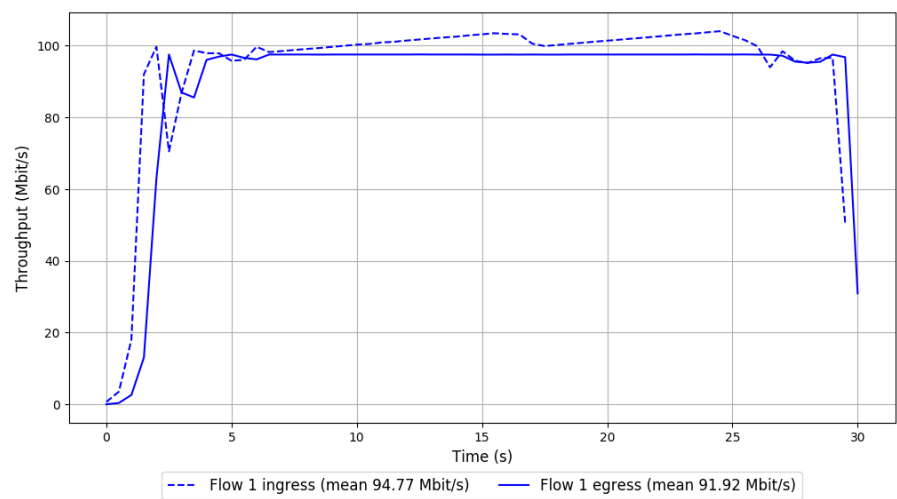


Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-27 07:24:53
End at: 2019-08-27 07:25:23
Local clock offset: -0.919 ms
Remote clock offset: -25.636 ms

Below is generated by plot.py at 2019-08-27 08:07:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.92 Mbit/s
95th percentile per-packet one-way delay: 116.540 ms
Loss rate: 3.56%
-- Flow 1:
Average throughput: 91.92 Mbit/s
95th percentile per-packet one-way delay: 116.540 ms
Loss rate: 3.56%

Run 4: Report of Muses_DecisionTreeR0 — Data Link

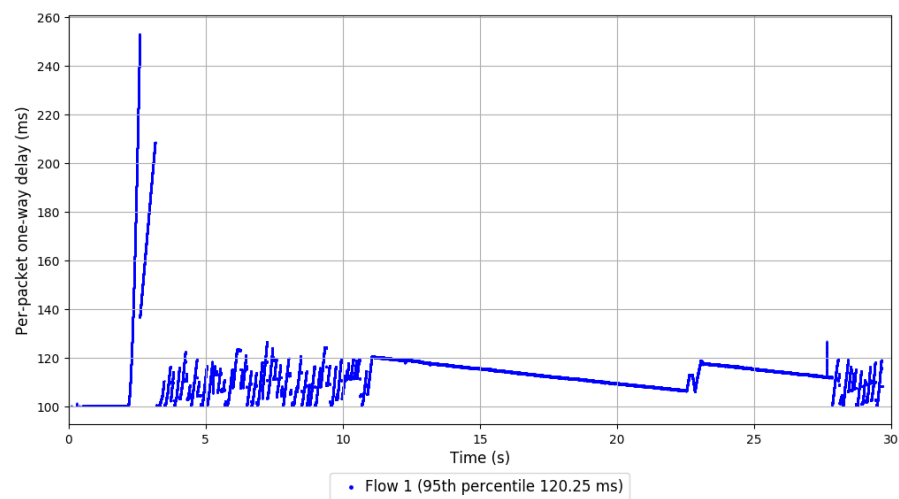
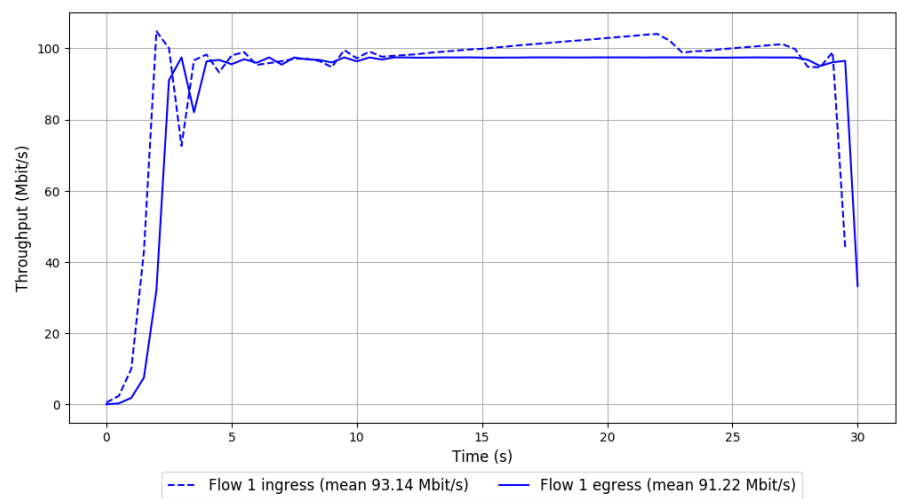


```
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2019-08-27 07:53:24
End at: 2019-08-27 07:53:54
Local clock offset: -0.949 ms
Remote clock offset: -17.054 ms

# Below is generated by plot.py at 2019-08-27 08:07:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.22 Mbit/s
95th percentile per-packet one-way delay: 120.249 ms
Loss rate: 2.64%
-- Flow 1:
Average throughput: 91.22 Mbit/s
95th percentile per-packet one-way delay: 120.249 ms
Loss rate: 2.64%
```

Run 5: Report of Muses_DecisionTreeR0 — Data Link

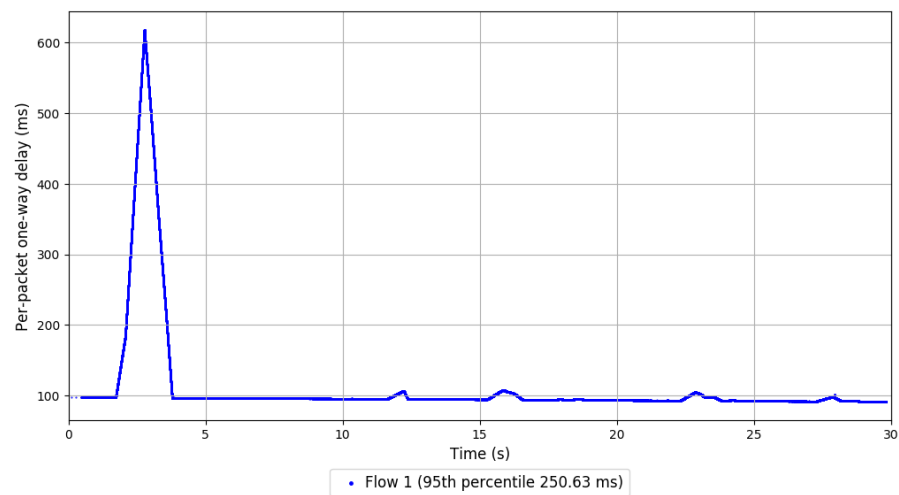
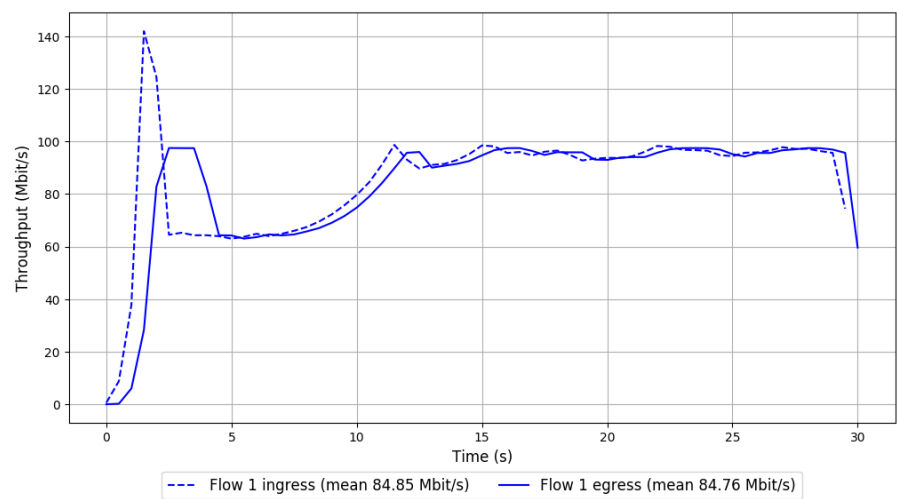


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-08-27 05:40:22
End at: 2019-08-27 05:40:52
Local clock offset: -0.757 ms
Remote clock offset: -53.964 ms

# Below is generated by plot.py at 2019-08-27 08:07:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.76 Mbit/s
95th percentile per-packet one-way delay: 250.633 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 84.76 Mbit/s
95th percentile per-packet one-way delay: 250.633 ms
Loss rate: 0.71%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-08-27 06:08:52

End at: 2019-08-27 06:09:22

Local clock offset: -0.038 ms

Remote clock offset: -59.212 ms

Below is generated by plot.py at 2019-08-27 08:07:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.02 Mbit/s

95th percentile per-packet one-way delay: 244.637 ms

Loss rate: 0.71%

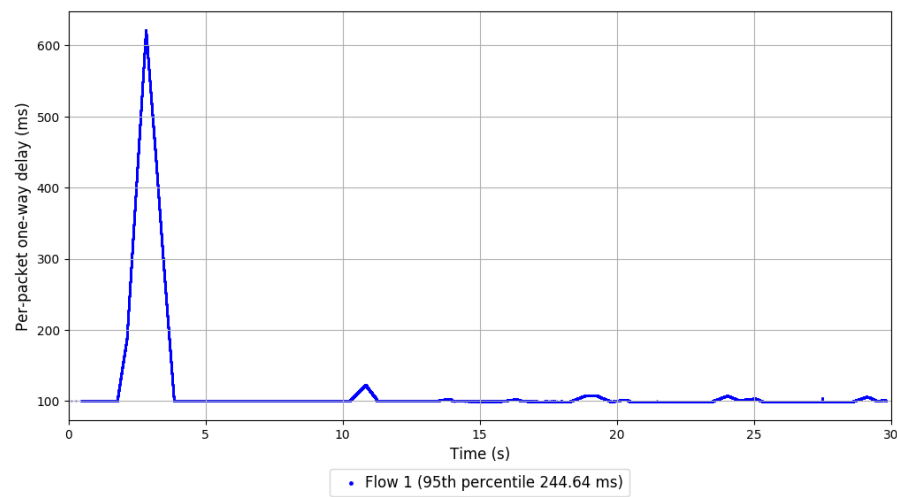
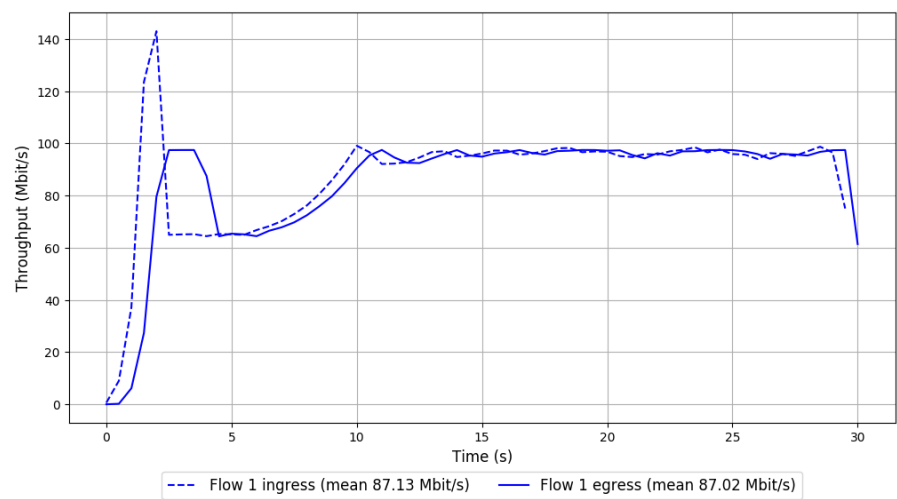
-- Flow 1:

Average throughput: 87.02 Mbit/s

95th percentile per-packet one-way delay: 244.637 ms

Loss rate: 0.71%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-08-27 06:37:25

End at: 2019-08-27 06:37:55

Local clock offset: -0.988 ms

Remote clock offset: -26.031 ms

Below is generated by plot.py at 2019-08-27 08:07:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.43 Mbit/s

95th percentile per-packet one-way delay: 113.869 ms

Loss rate: 1.42%

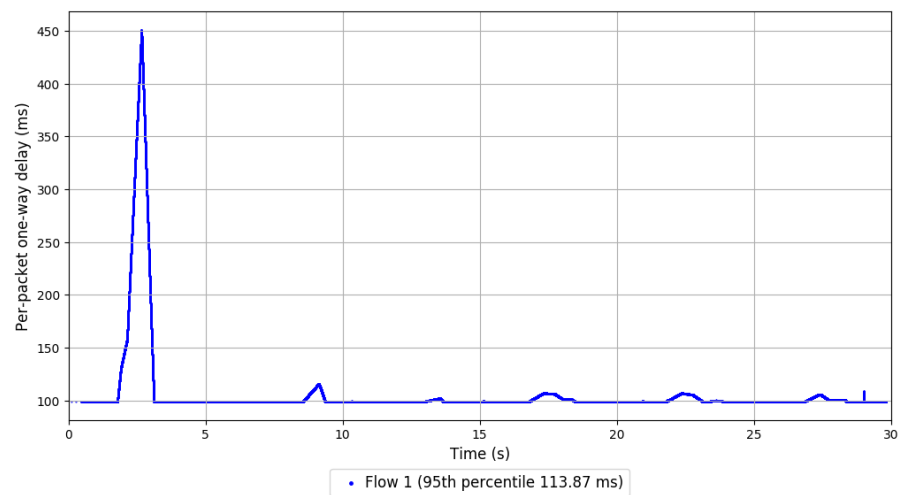
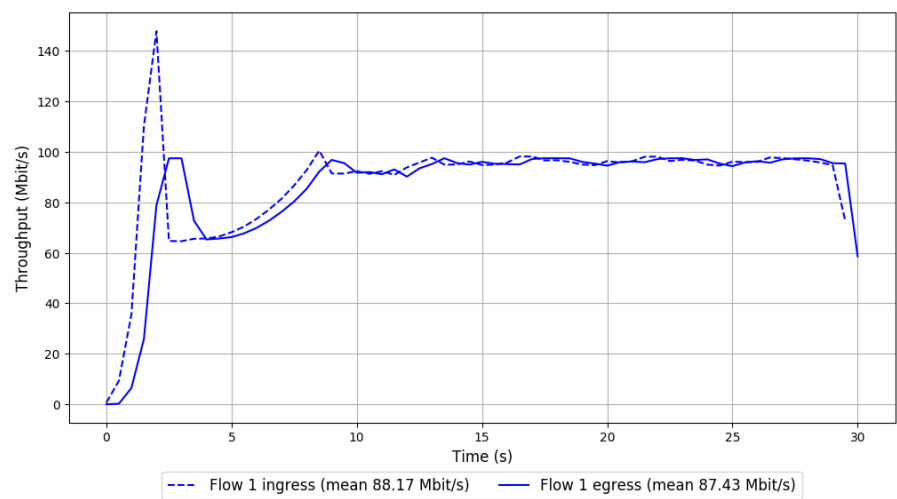
-- Flow 1:

Average throughput: 87.43 Mbit/s

95th percentile per-packet one-way delay: 113.869 ms

Loss rate: 1.42%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-08-27 07:05:55

End at: 2019-08-27 07:06:25

Local clock offset: -0.182 ms

Remote clock offset: -39.944 ms

Below is generated by plot.py at 2019-08-27 08:07:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.04 Mbit/s

95th percentile per-packet one-way delay: 257.259 ms

Loss rate: 0.71%

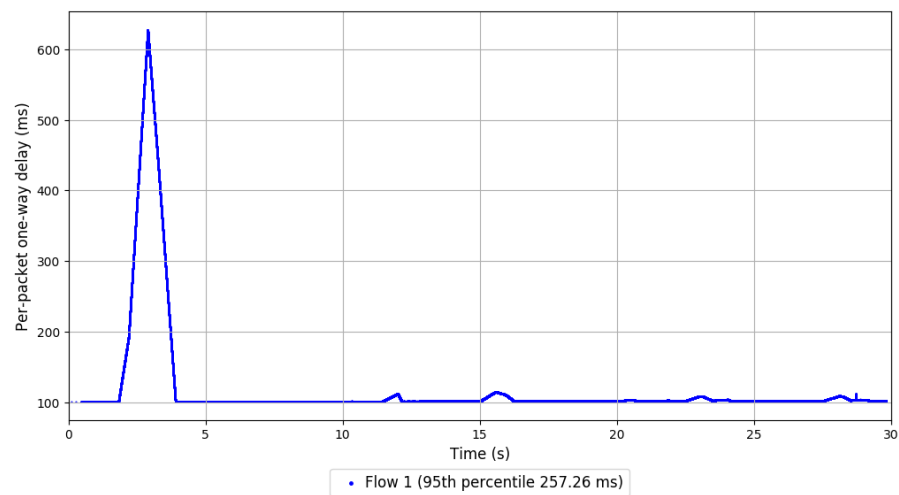
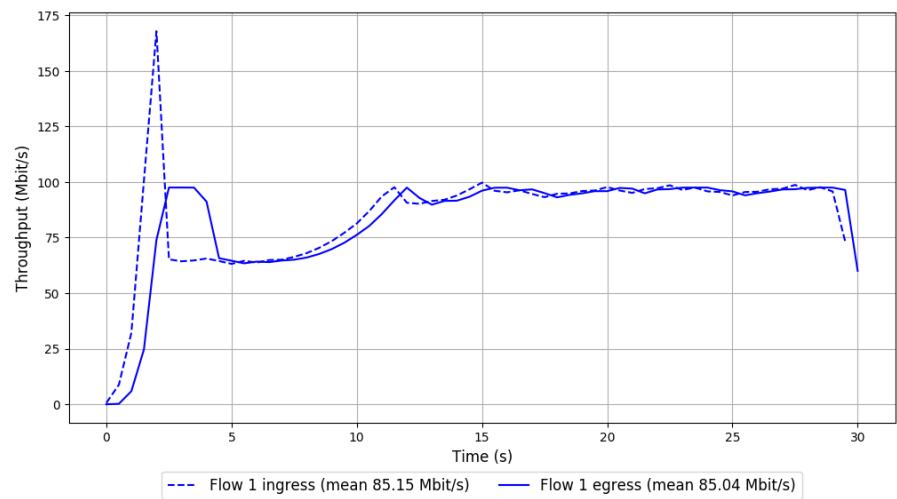
-- Flow 1:

Average throughput: 85.04 Mbit/s

95th percentile per-packet one-way delay: 257.259 ms

Loss rate: 0.71%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-08-27 07:34:28

End at: 2019-08-27 07:34:59

Local clock offset: -0.964 ms

Remote clock offset: -31.648 ms

Below is generated by plot.py at 2019-08-27 08:07:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.02 Mbit/s

95th percentile per-packet one-way delay: 237.668 ms

Loss rate: 0.73%

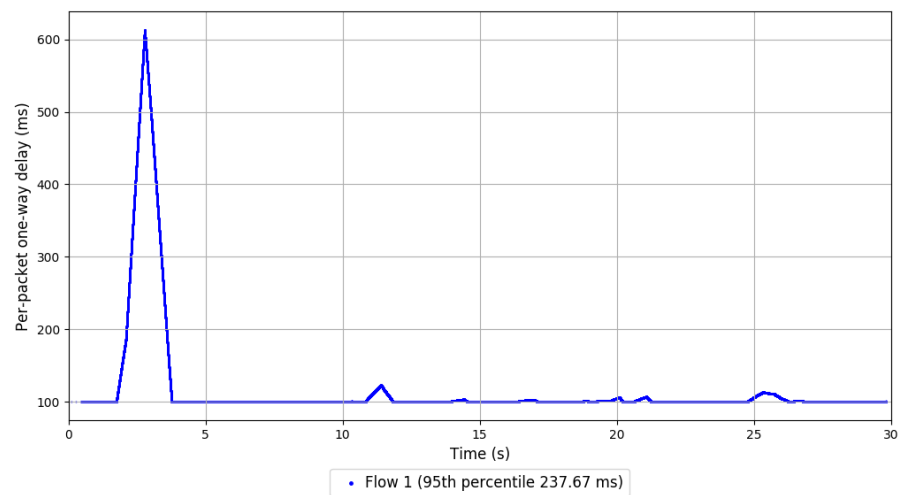
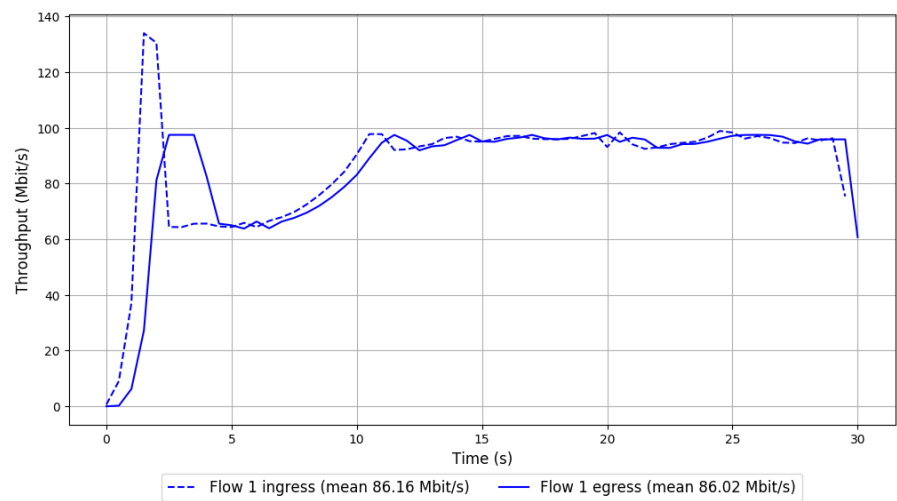
-- Flow 1:

Average throughput: 86.02 Mbit/s

95th percentile per-packet one-way delay: 237.668 ms

Loss rate: 0.73%

Run 5: Report of PCC-Allegro — Data Link

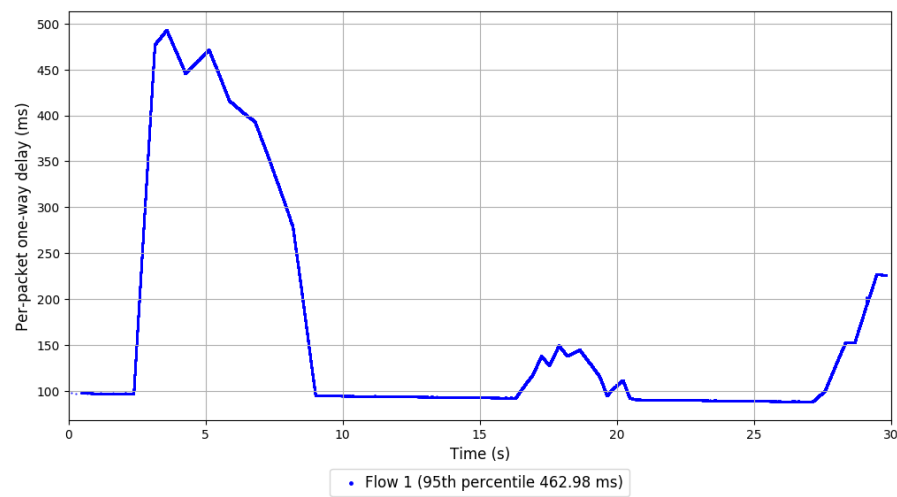
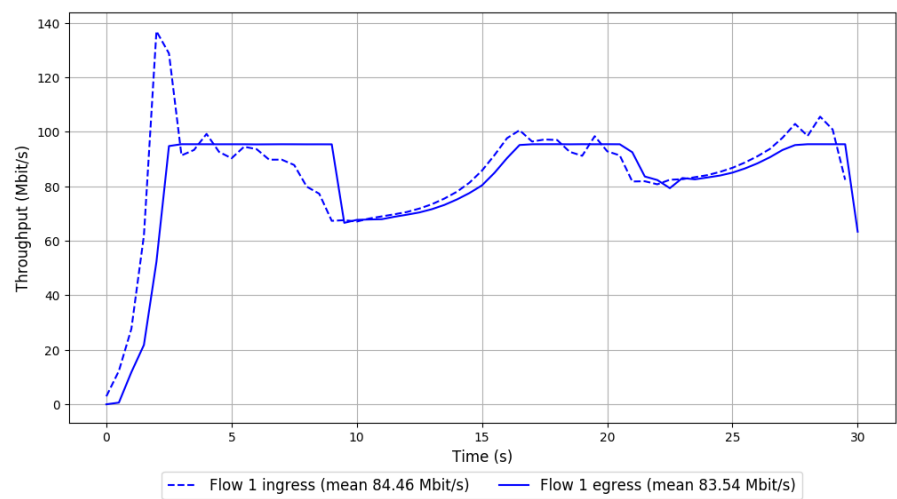


Run 1: Statistics of PCC-Expr

Start at: 2019-08-27 05:34:22
End at: 2019-08-27 05:34:52
Local clock offset: 0.021 ms
Remote clock offset: -12.804 ms

Below is generated by plot.py at 2019-08-27 08:08:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.54 Mbit/s
95th percentile per-packet one-way delay: 462.975 ms
Loss rate: 1.69%
-- Flow 1:
Average throughput: 83.54 Mbit/s
95th percentile per-packet one-way delay: 462.975 ms
Loss rate: 1.69%

Run 1: Report of PCC-Expr — Data Link

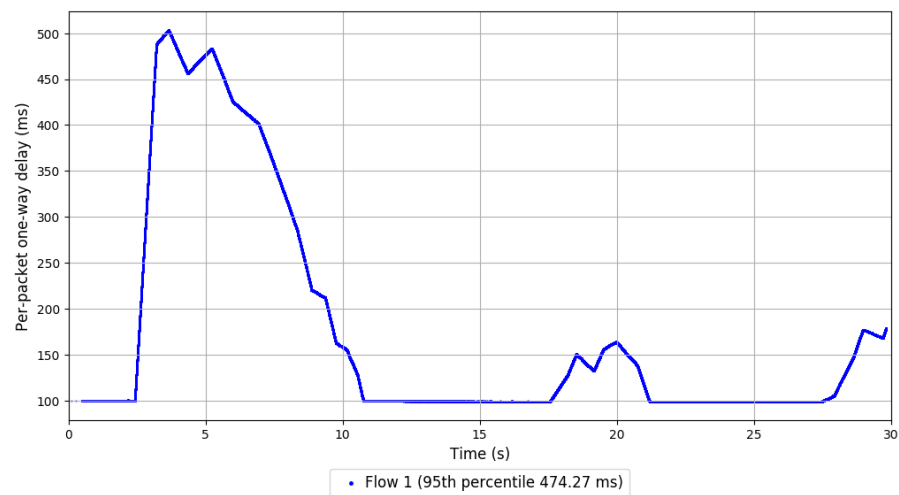
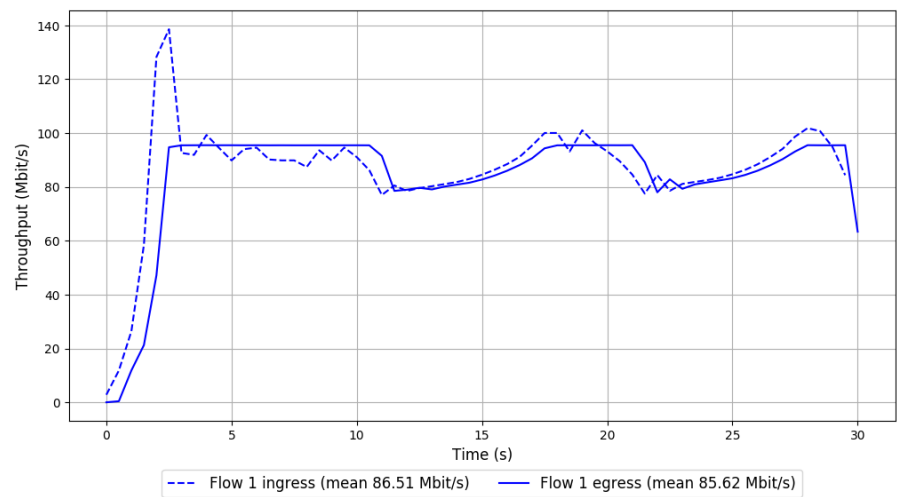


Run 2: Statistics of PCC-Expr

Start at: 2019-08-27 06:02:53
End at: 2019-08-27 06:03:23
Local clock offset: -0.009 ms
Remote clock offset: -40.682 ms

Below is generated by plot.py at 2019-08-27 08:09:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.62 Mbit/s
95th percentile per-packet one-way delay: 474.274 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 85.62 Mbit/s
95th percentile per-packet one-way delay: 474.274 ms
Loss rate: 1.61%

Run 2: Report of PCC-Expr — Data Link

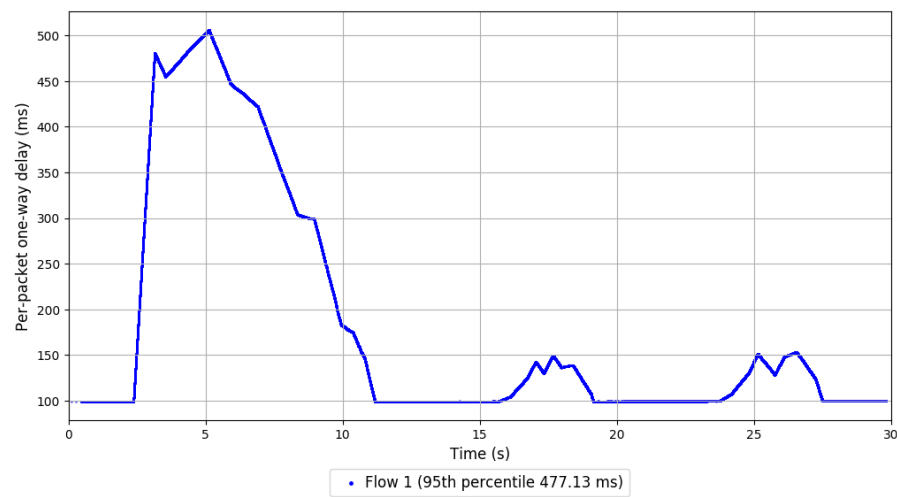
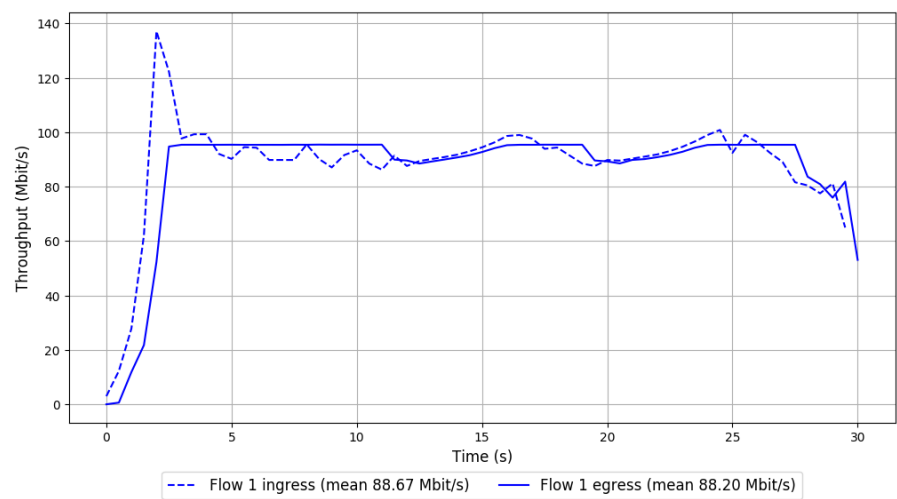


Run 3: Statistics of PCC-Expr

Start at: 2019-08-27 06:31:21
End at: 2019-08-27 06:31:51
Local clock offset: -0.941 ms
Remote clock offset: -29.642 ms

Below is generated by plot.py at 2019-08-27 08:09:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.20 Mbit/s
95th percentile per-packet one-way delay: 477.133 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 88.20 Mbit/s
95th percentile per-packet one-way delay: 477.133 ms
Loss rate: 1.10%

Run 3: Report of PCC-Expr — Data Link

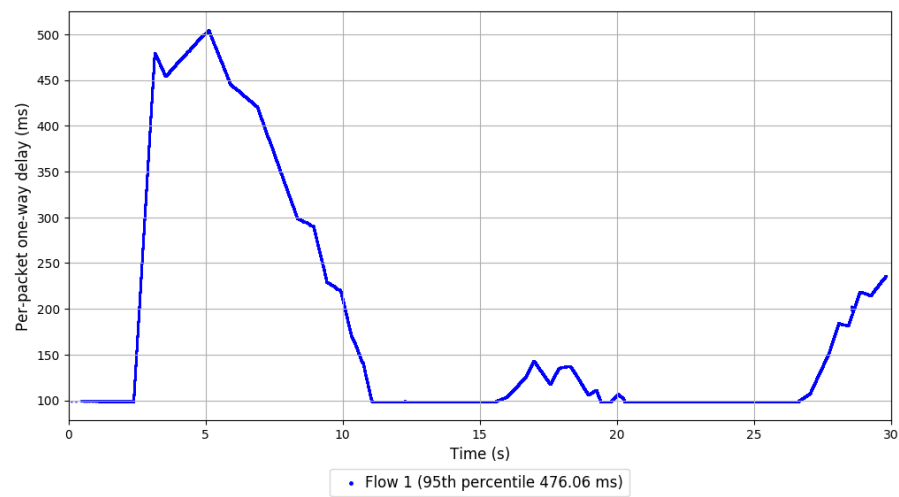
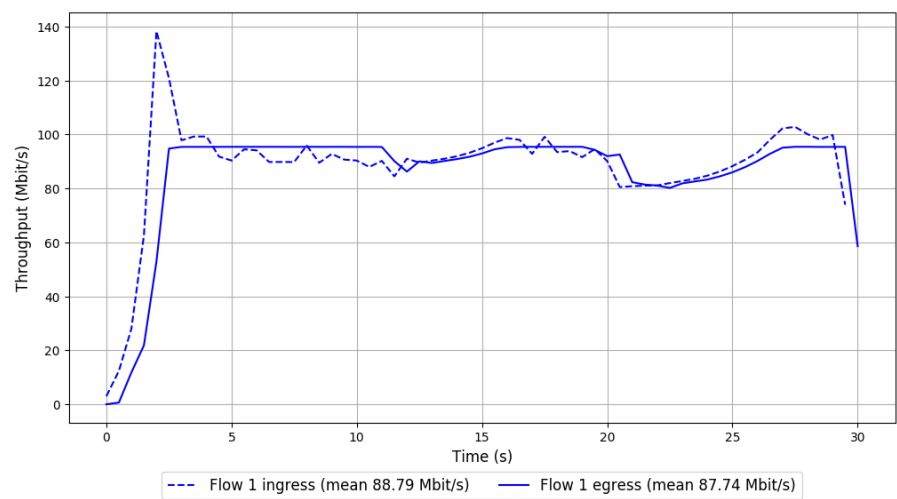


Run 4: Statistics of PCC-Expr

Start at: 2019-08-27 06:59:56
End at: 2019-08-27 07:00:26
Local clock offset: -1.058 ms
Remote clock offset: -46.962 ms

Below is generated by plot.py at 2019-08-27 08:09:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.74 Mbit/s
95th percentile per-packet one-way delay: 476.064 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 87.74 Mbit/s
95th percentile per-packet one-way delay: 476.064 ms
Loss rate: 1.76%

Run 4: Report of PCC-Expr — Data Link

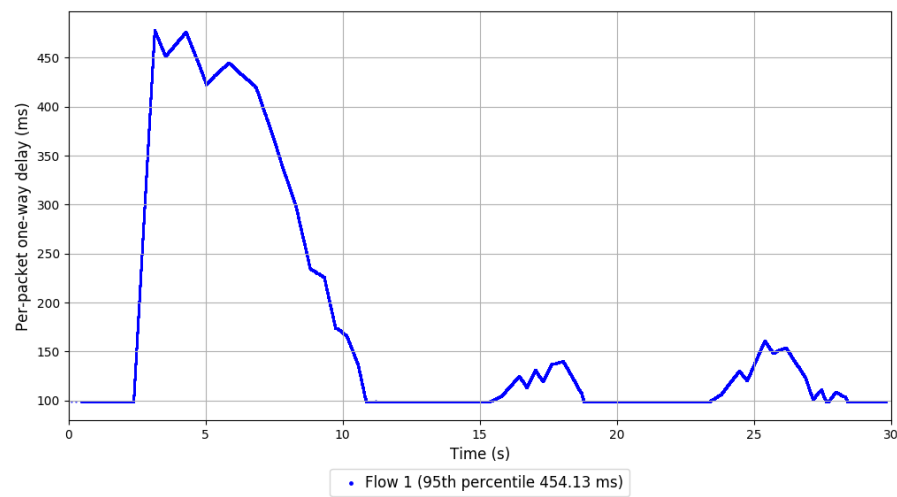
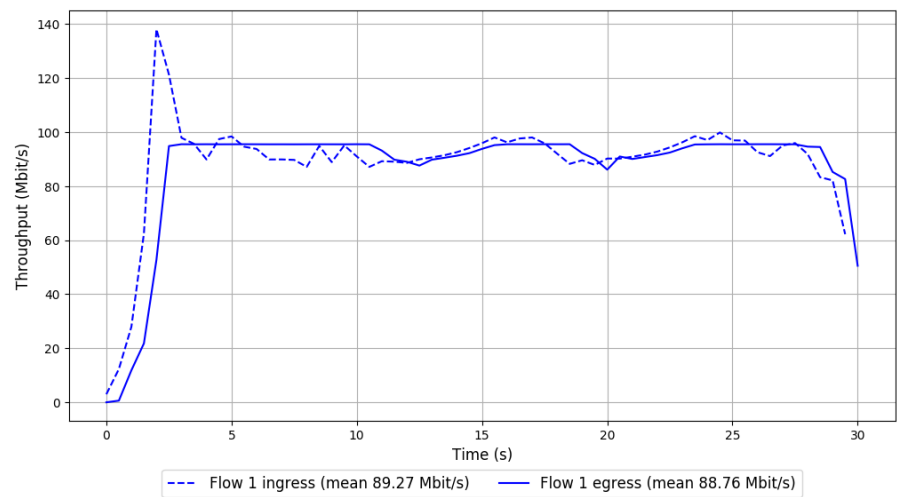


Run 5: Statistics of PCC-Expr

Start at: 2019-08-27 07:28:29
End at: 2019-08-27 07:28:59
Local clock offset: -0.911 ms
Remote clock offset: -26.674 ms

Below is generated by plot.py at 2019-08-27 08:09:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.76 Mbit/s
95th percentile per-packet one-way delay: 454.133 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 88.76 Mbit/s
95th percentile per-packet one-way delay: 454.133 ms
Loss rate: 1.13%

Run 5: Report of PCC-Expr — Data Link

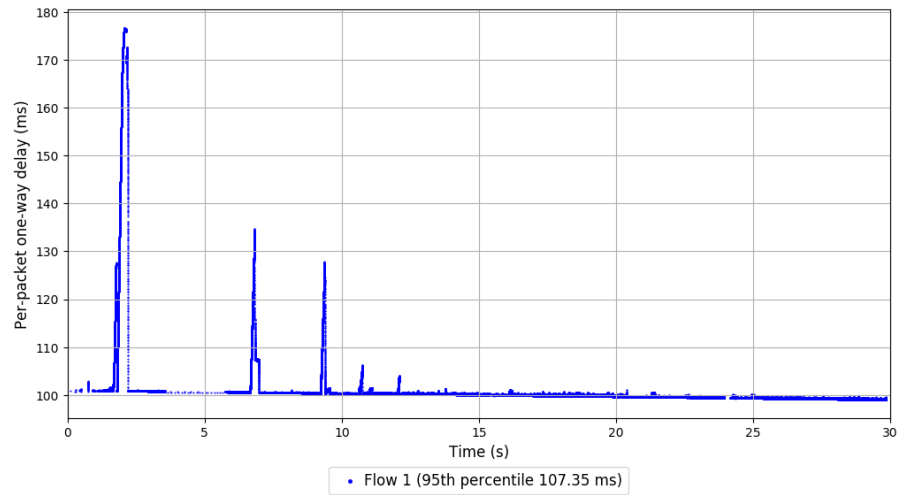
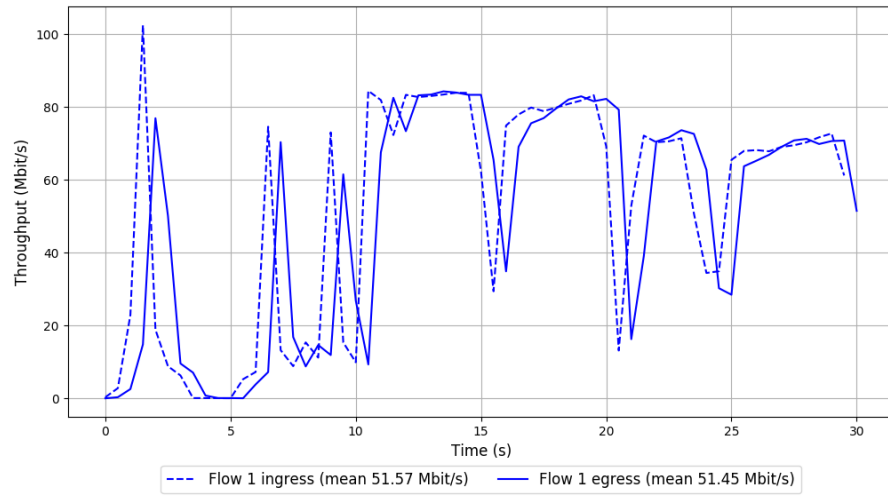


Run 1: Statistics of QUIC Cubic

Start at: 2019-08-27 05:51:04
End at: 2019-08-27 05:51:34
Local clock offset: 0.023 ms
Remote clock offset: -35.367 ms

Below is generated by plot.py at 2019-08-27 08:09:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 51.45 Mbit/s
95th percentile per-packet one-way delay: 107.354 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 51.45 Mbit/s
95th percentile per-packet one-way delay: 107.354 ms
Loss rate: 0.82%

Run 1: Report of QUIC Cubic — Data Link

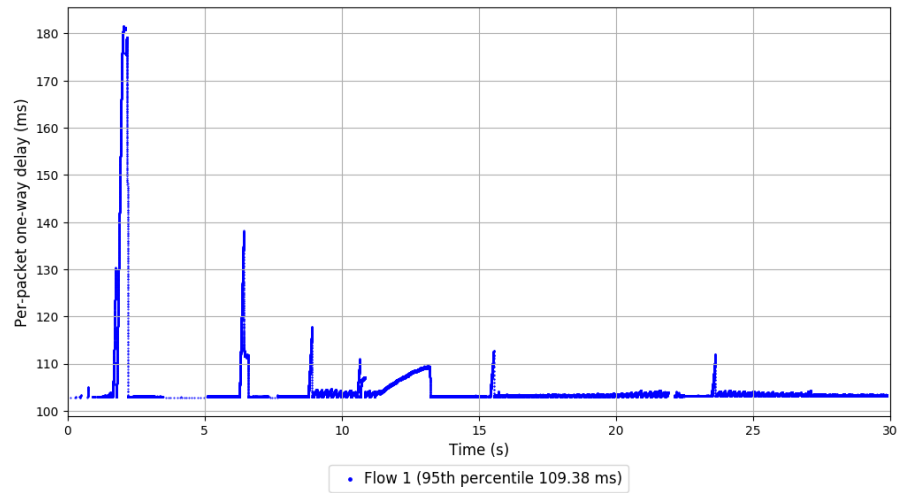
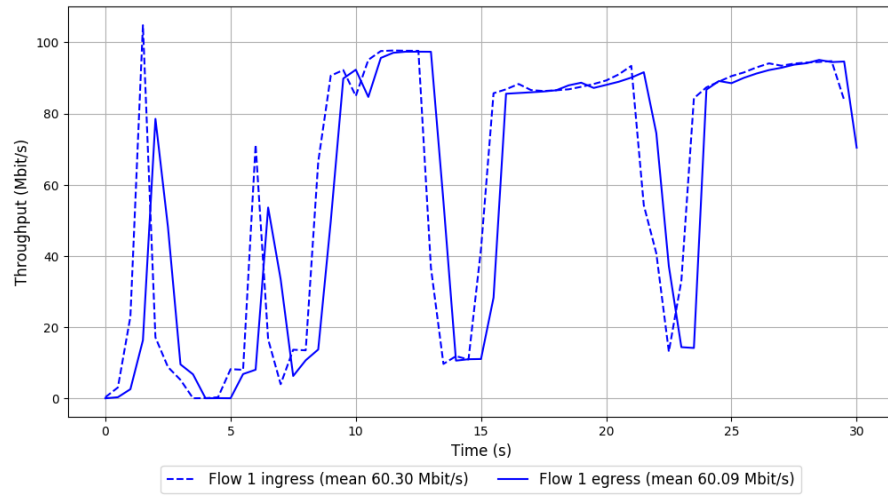


Run 2: Statistics of QUIC Cubic

Start at: 2019-08-27 06:19:32
End at: 2019-08-27 06:20:02
Local clock offset: -0.837 ms
Remote clock offset: -30.509 ms

Below is generated by plot.py at 2019-08-27 08:09:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 60.09 Mbit/s
95th percentile per-packet one-way delay: 109.377 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 60.09 Mbit/s
95th percentile per-packet one-way delay: 109.377 ms
Loss rate: 0.91%

Run 2: Report of QUIC Cubic — Data Link

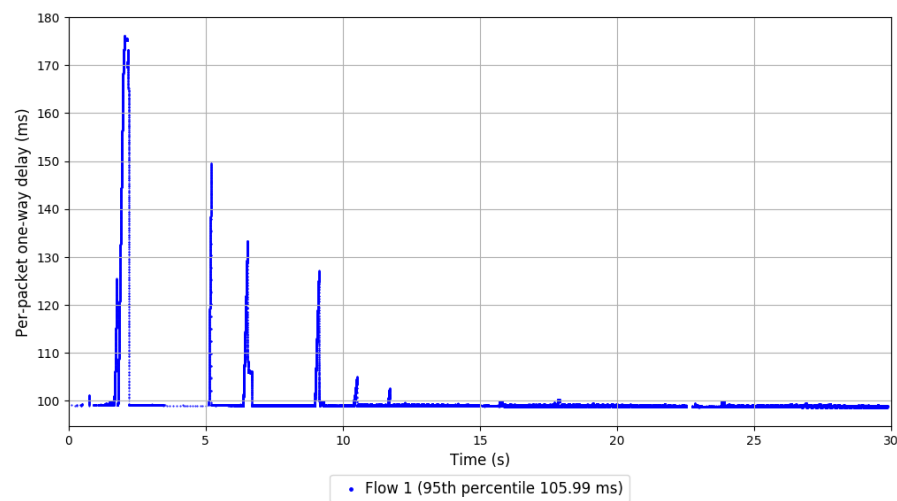
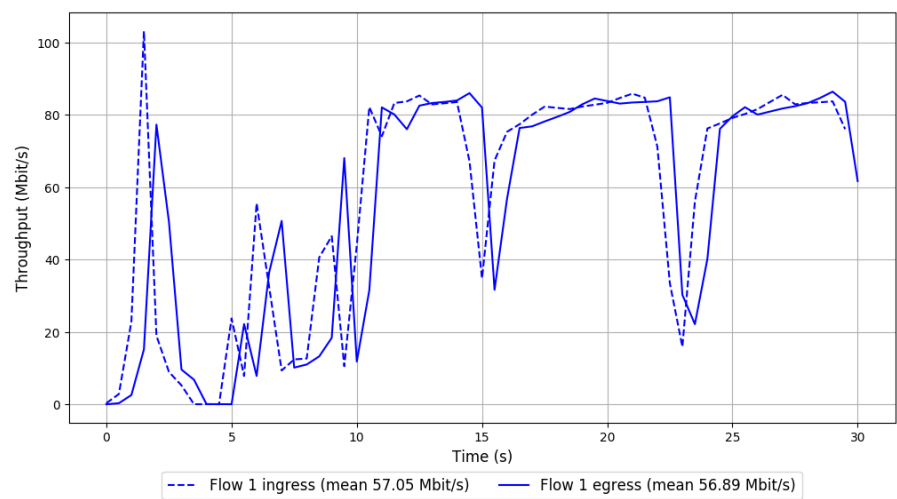


Run 3: Statistics of QUIC Cubic

Start at: 2019-08-27 06:48:06
End at: 2019-08-27 06:48:36
Local clock offset: -1.04 ms
Remote clock offset: -32.582 ms

Below is generated by plot.py at 2019-08-27 08:09:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 56.89 Mbit/s
95th percentile per-packet one-way delay: 105.989 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 56.89 Mbit/s
95th percentile per-packet one-way delay: 105.989 ms
Loss rate: 0.86%

Run 3: Report of QUIC Cubic — Data Link

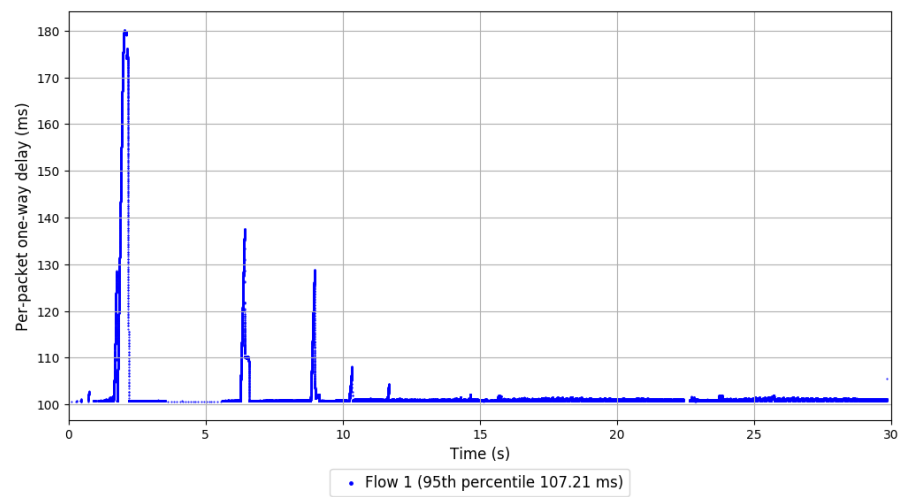
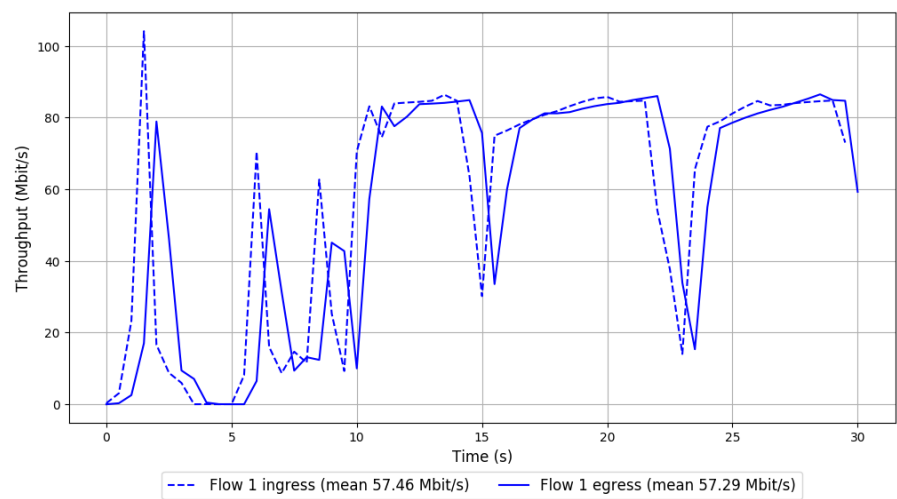


Run 4: Statistics of QUIC Cubic

Start at: 2019-08-27 07:16:38
End at: 2019-08-27 07:17:08
Local clock offset: -0.163 ms
Remote clock offset: -25.889 ms

Below is generated by plot.py at 2019-08-27 08:09:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.29 Mbit/s
95th percentile per-packet one-way delay: 107.206 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 57.29 Mbit/s
95th percentile per-packet one-way delay: 107.206 ms
Loss rate: 0.86%

Run 4: Report of QUIC Cubic — Data Link

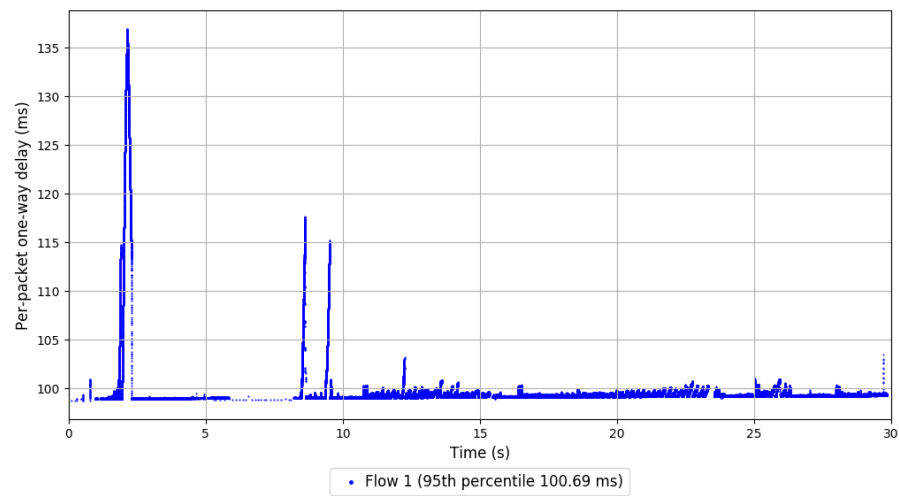
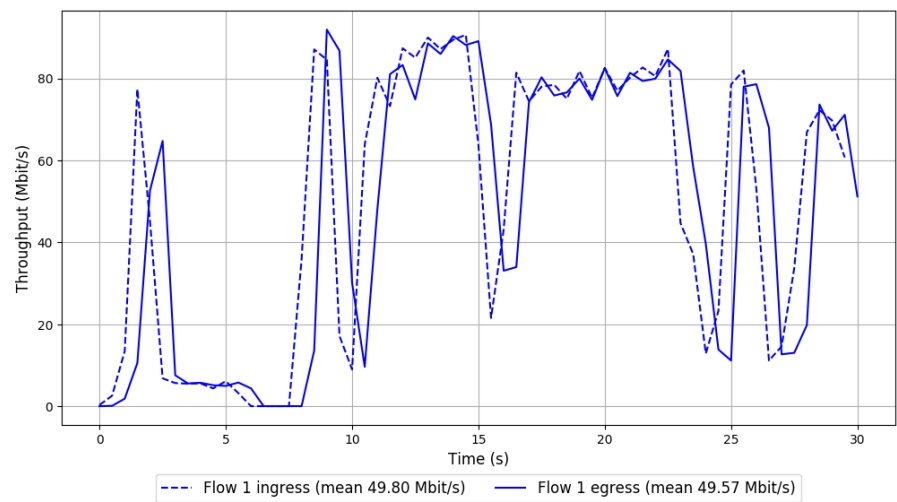


Run 5: Statistics of QUIC Cubic

Start at: 2019-08-27 07:45:10
End at: 2019-08-27 07:45:40
Local clock offset: -0.961 ms
Remote clock offset: -18.89 ms

Below is generated by plot.py at 2019-08-27 08:09:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 49.57 Mbit/s
95th percentile per-packet one-way delay: 100.691 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 49.57 Mbit/s
95th percentile per-packet one-way delay: 100.691 ms
Loss rate: 1.04%

Run 5: Report of QUIC Cubic — Data Link

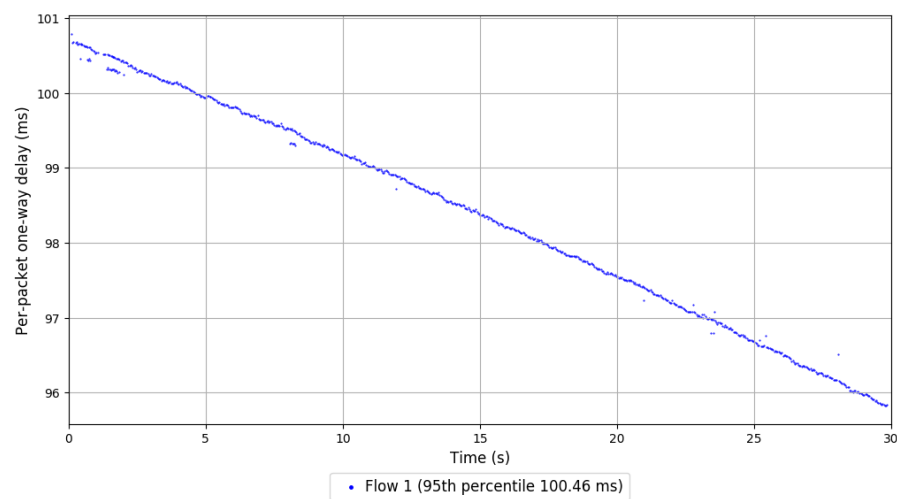
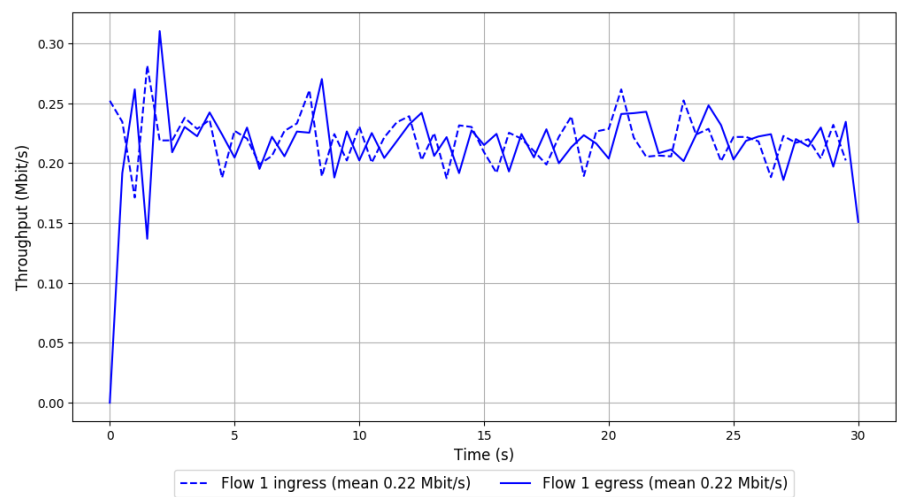


Run 1: Statistics of SCReAM

Start at: 2019-08-27 05:39:14
End at: 2019-08-27 05:39:44
Local clock offset: 0.014 ms
Remote clock offset: -43.713 ms

Below is generated by plot.py at 2019-08-27 08:09:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 100.460 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 100.460 ms
Loss rate: 0.64%

Run 1: Report of SReAM — Data Link

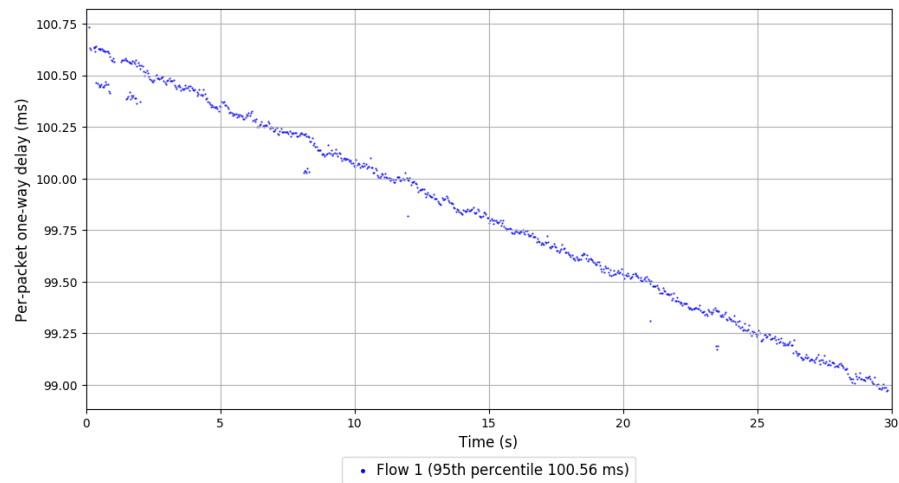
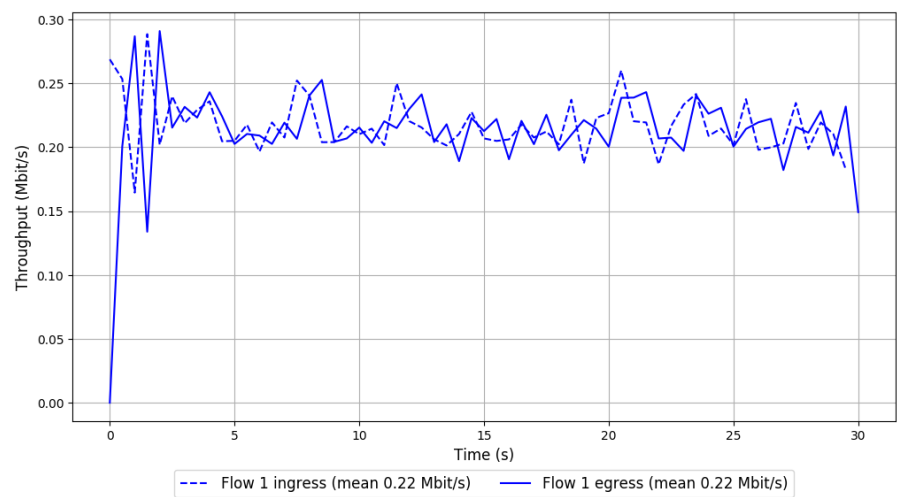


Run 2: Statistics of SCReAM

Start at: 2019-08-27 06:07:45
End at: 2019-08-27 06:08:15
Local clock offset: -0.01 ms
Remote clock offset: -55.374 ms

Below is generated by plot.py at 2019-08-27 08:09:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 100.556 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 100.556 ms
Loss rate: 0.51%

Run 2: Report of SReAM — Data Link

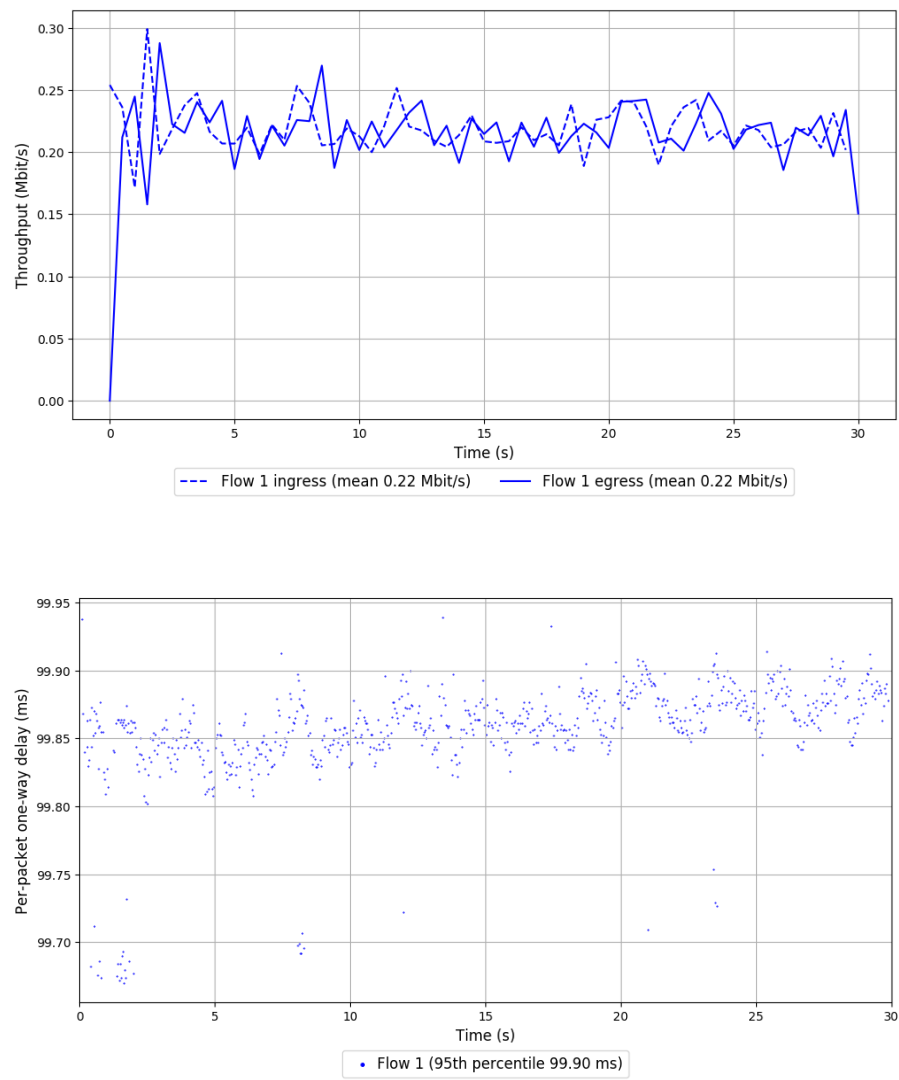


Run 3: Statistics of SCReAM

Start at: 2019-08-27 06:36:18
End at: 2019-08-27 06:36:48
Local clock offset: -1.049 ms
Remote clock offset: -26.883 ms

Below is generated by plot.py at 2019-08-27 08:09:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 99.897 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 99.897 ms
Loss rate: 0.64%

Run 3: Report of SReAM — Data Link

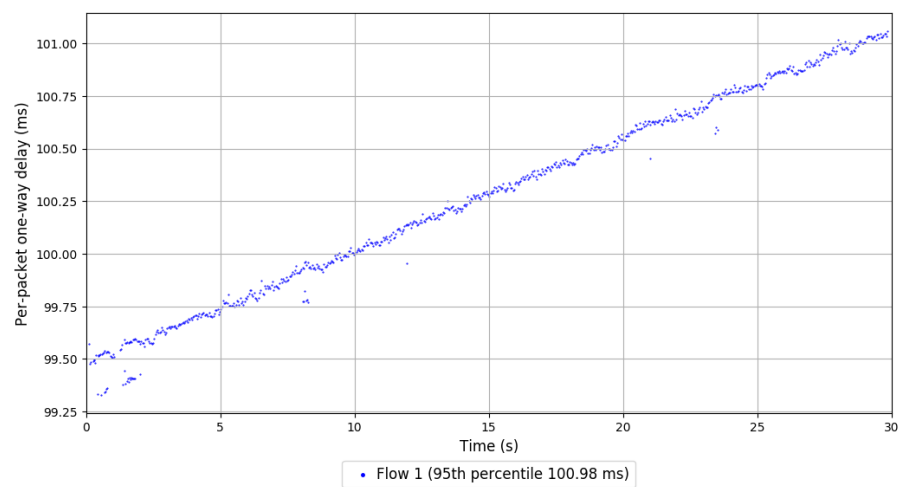
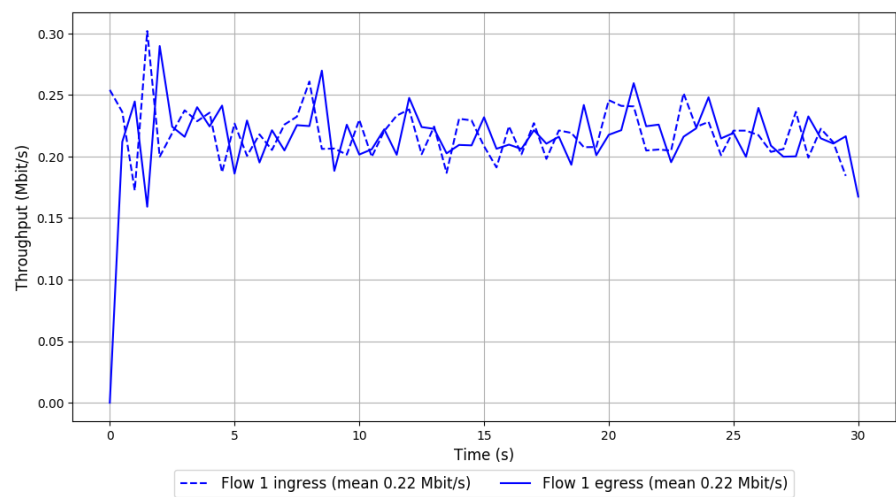


Run 4: Statistics of SCReAM

Start at: 2019-08-27 07:04:48
End at: 2019-08-27 07:05:18
Local clock offset: -0.968 ms
Remote clock offset: -42.034 ms

Below is generated by plot.py at 2019-08-27 08:09:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 100.980 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 100.980 ms
Loss rate: 0.51%

Run 4: Report of SReAM — Data Link

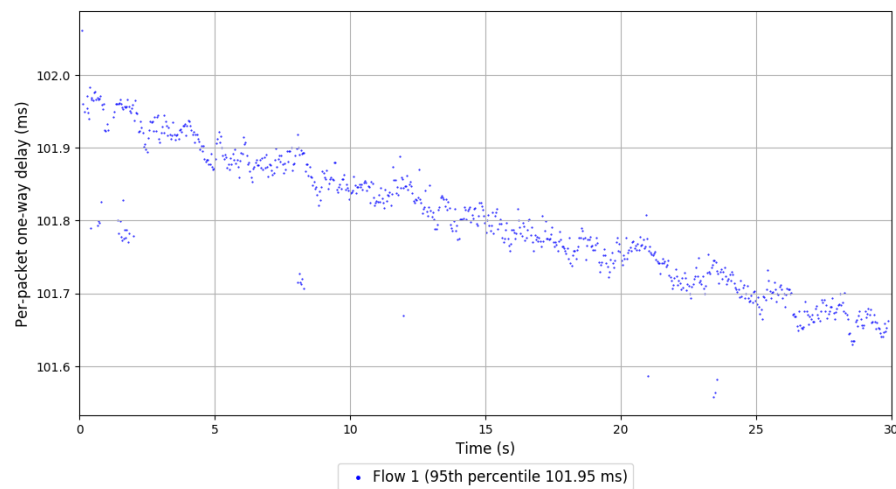
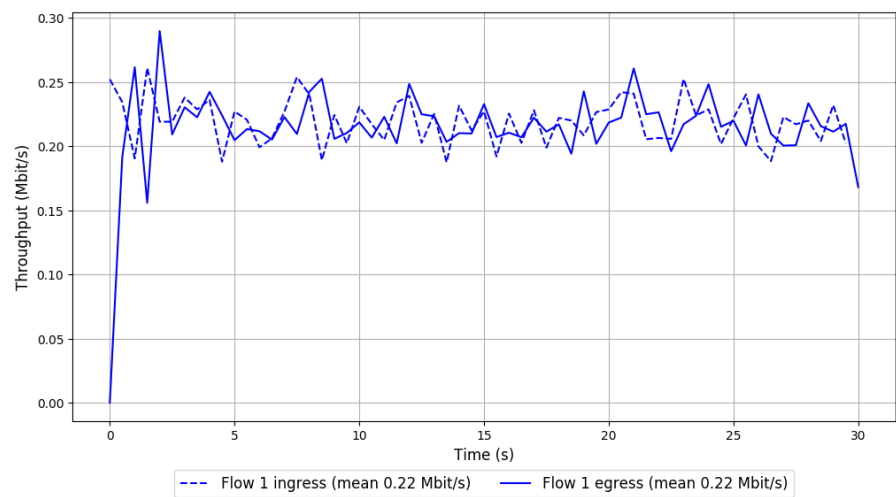


Run 5: Statistics of SCReAM

Start at: 2019-08-27 07:33:21
End at: 2019-08-27 07:33:51
Local clock offset: -0.142 ms
Remote clock offset: -31.178 ms

Below is generated by plot.py at 2019-08-27 08:09:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 101.948 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 101.948 ms
Loss rate: 0.64%

Run 5: Report of SReAM — Data Link

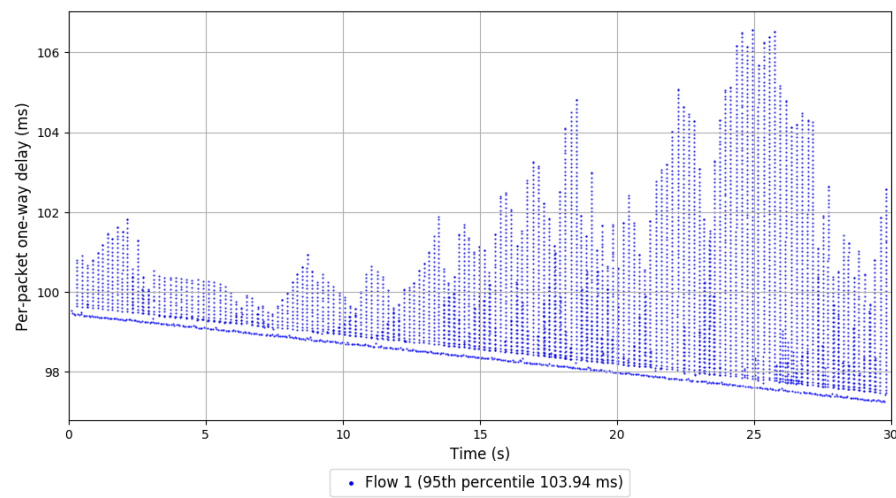
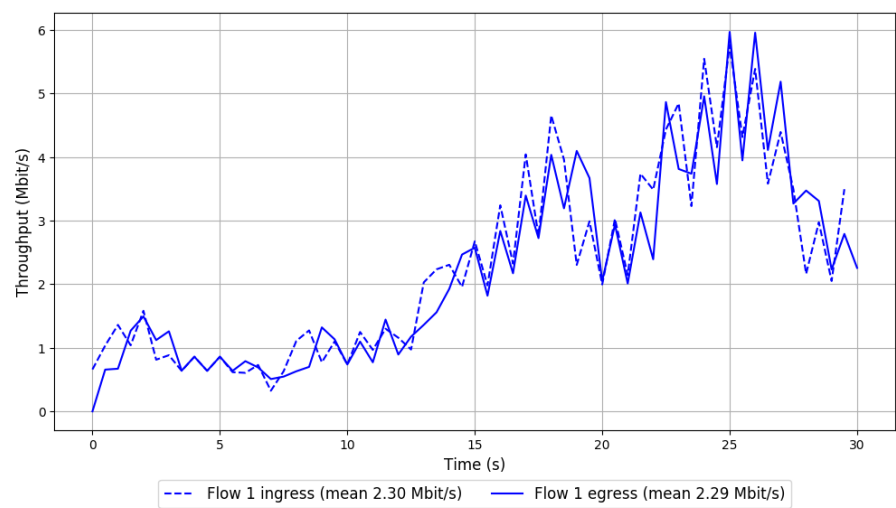


Run 1: Statistics of Sprout

Start at: 2019-08-27 05:52:14
End at: 2019-08-27 05:52:44
Local clock offset: -0.773 ms
Remote clock offset: -39.634 ms

Below is generated by plot.py at 2019-08-27 08:09:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 103.935 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 103.935 ms
Loss rate: 0.90%

Run 1: Report of Sprout — Data Link

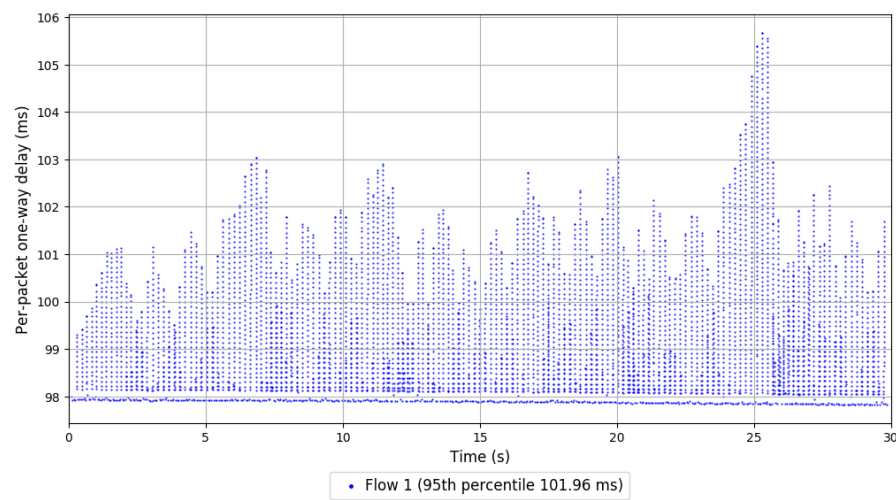
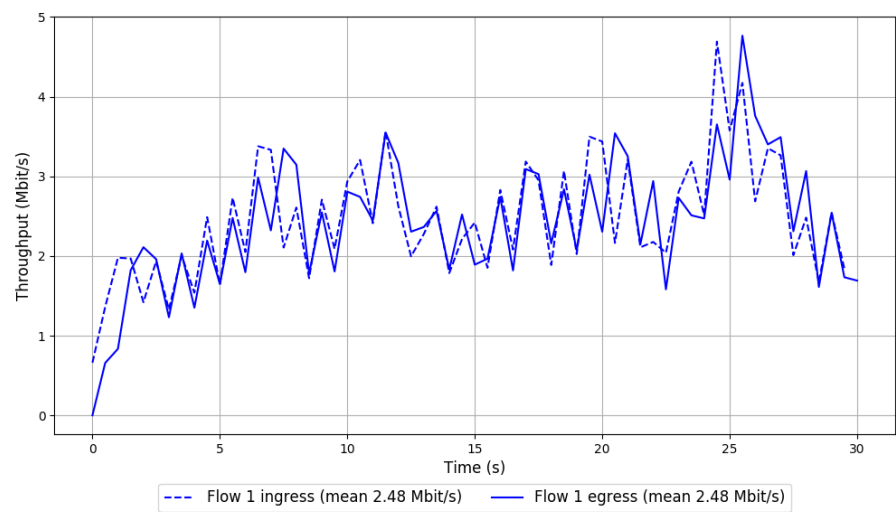


Run 2: Statistics of Sprout

Start at: 2019-08-27 06:20:43
End at: 2019-08-27 06:21:13
Local clock offset: -0.908 ms
Remote clock offset: -26.188 ms

Below is generated by plot.py at 2019-08-27 08:09:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.48 Mbit/s
95th percentile per-packet one-way delay: 101.964 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 2.48 Mbit/s
95th percentile per-packet one-way delay: 101.964 ms
Loss rate: 0.65%

Run 2: Report of Sprout — Data Link

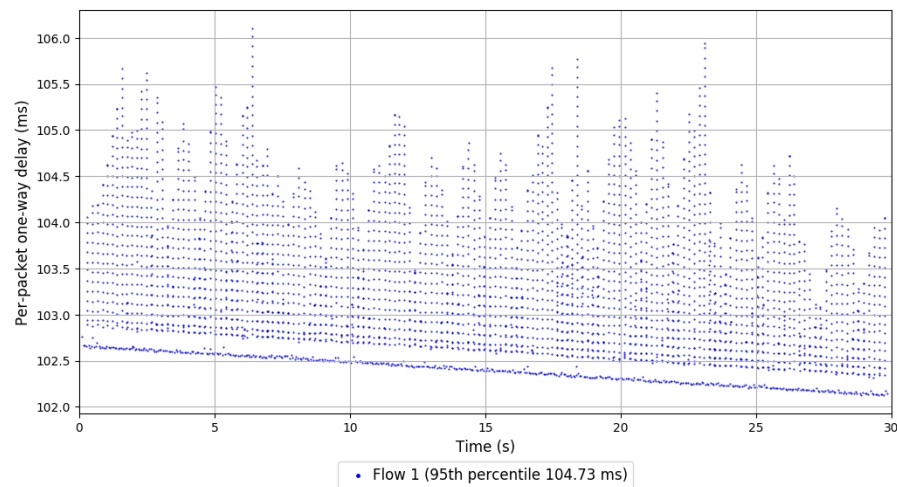
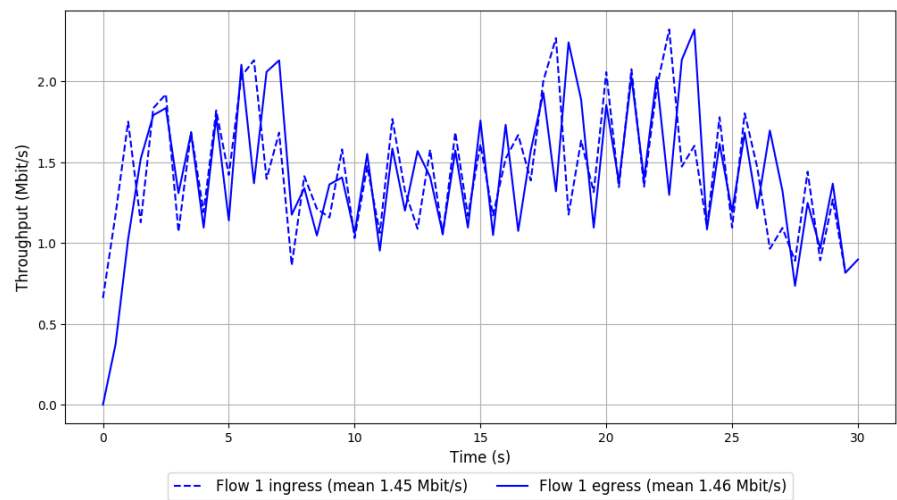


Run 3: Statistics of Sprout

Start at: 2019-08-27 06:49:17
End at: 2019-08-27 06:49:47
Local clock offset: -0.33 ms
Remote clock offset: -36.797 ms

Below is generated by plot.py at 2019-08-27 08:09:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 104.735 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 104.735 ms
Loss rate: 0.43%

Run 3: Report of Sprout — Data Link

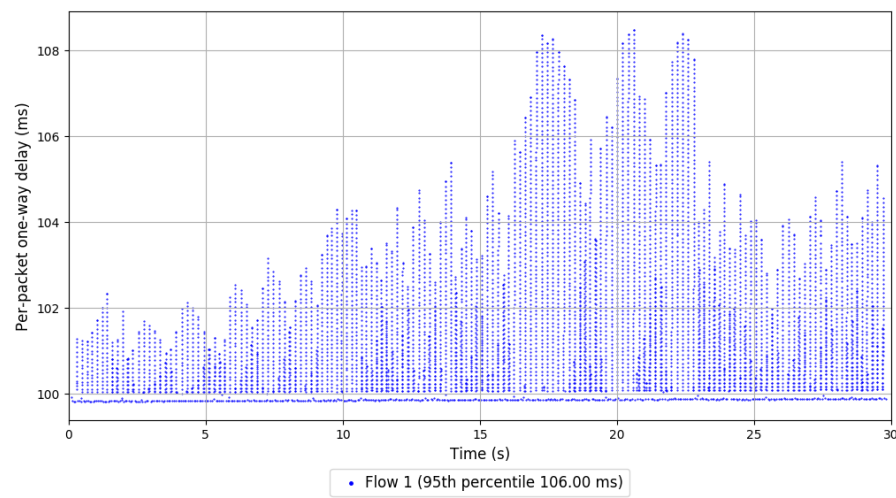
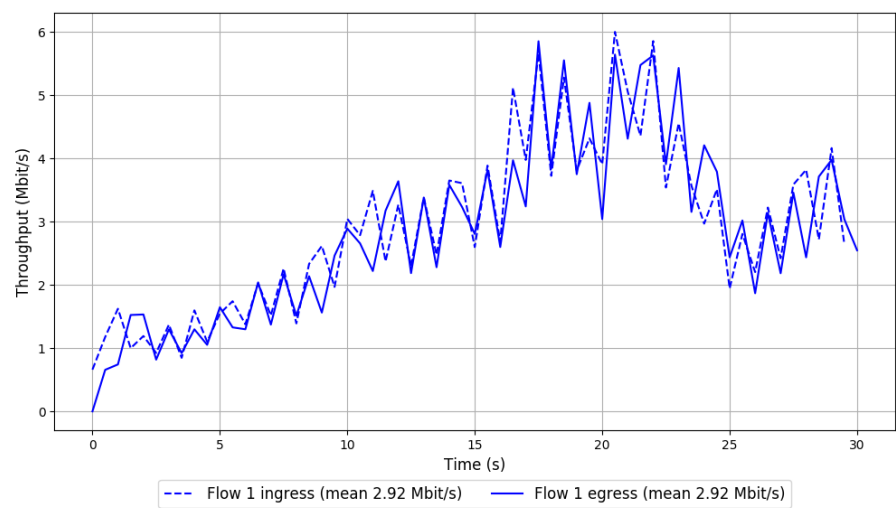


Run 4: Statistics of Sprout

Start at: 2019-08-27 07:17:49
End at: 2019-08-27 07:18:19
Local clock offset: -1.002 ms
Remote clock offset: -25.428 ms

Below is generated by plot.py at 2019-08-27 08:09:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.92 Mbit/s
95th percentile per-packet one-way delay: 106.005 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 2.92 Mbit/s
95th percentile per-packet one-way delay: 106.005 ms
Loss rate: 0.70%

Run 4: Report of Sprout — Data Link

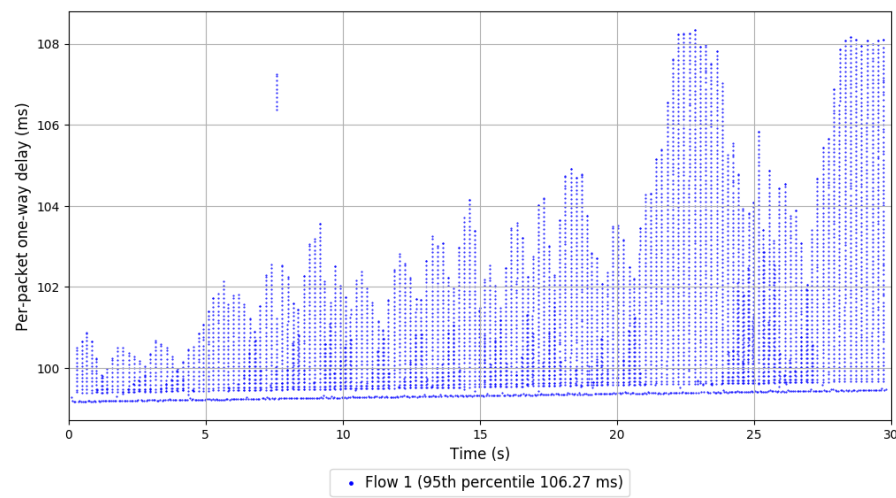
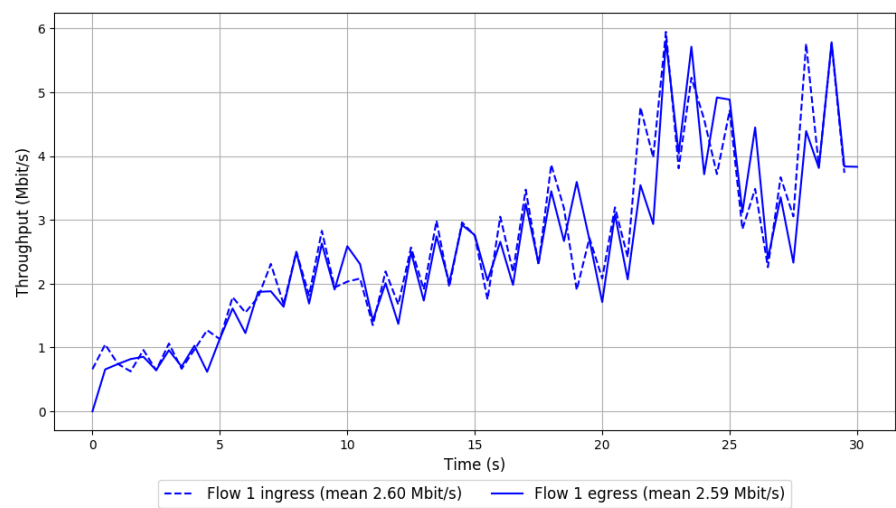


Run 5: Statistics of Sprout

Start at: 2019-08-27 07:46:20
End at: 2019-08-27 07:46:50
Local clock offset: -0.194 ms
Remote clock offset: -17.514 ms

Below is generated by plot.py at 2019-08-27 08:09:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.59 Mbit/s
95th percentile per-packet one-way delay: 106.270 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 2.59 Mbit/s
95th percentile per-packet one-way delay: 106.270 ms
Loss rate: 1.18%

Run 5: Report of Sprout — Data Link

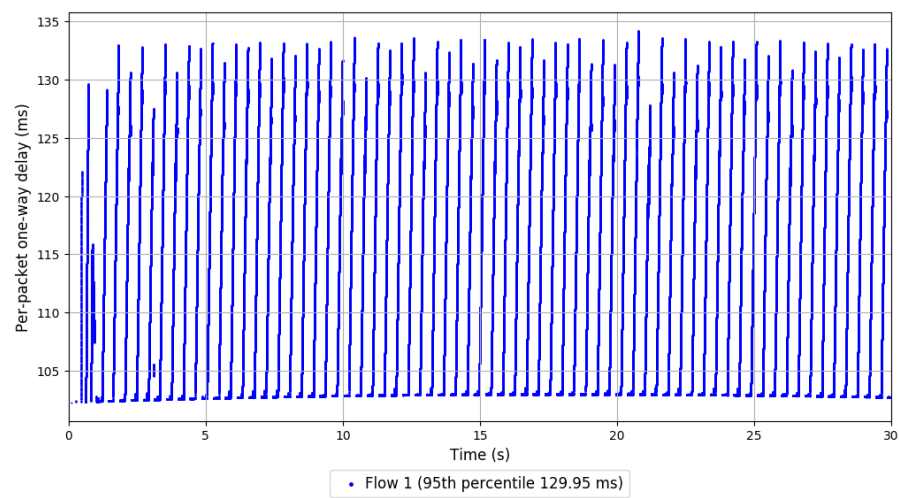
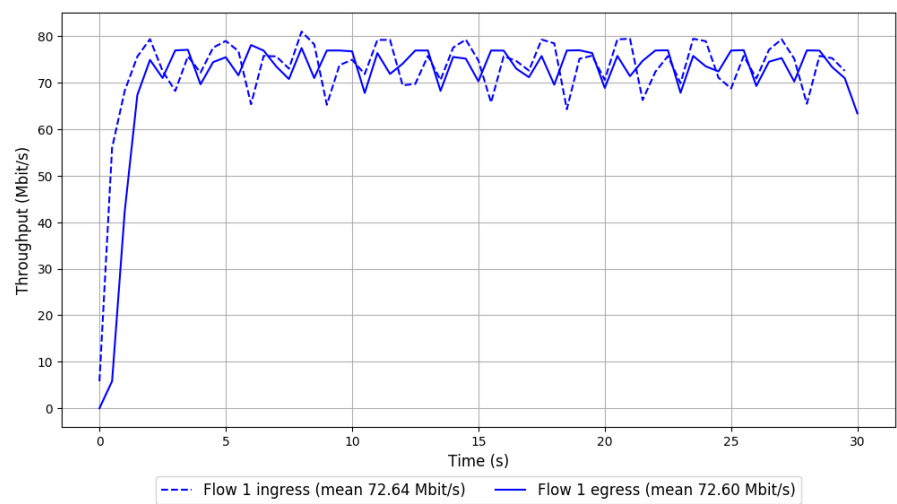


```
Run 1: Statistics of TaoVA-100x

Start at: 2019-08-27 05:38:00
End at: 2019-08-27 05:38:30
Local clock offset: 0.018 ms
Remote clock offset: -41.865 ms

# Below is generated by plot.py at 2019-08-27 08:10:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.60 Mbit/s
95th percentile per-packet one-way delay: 129.953 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 72.60 Mbit/s
95th percentile per-packet one-way delay: 129.953 ms
Loss rate: 0.63%
```

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

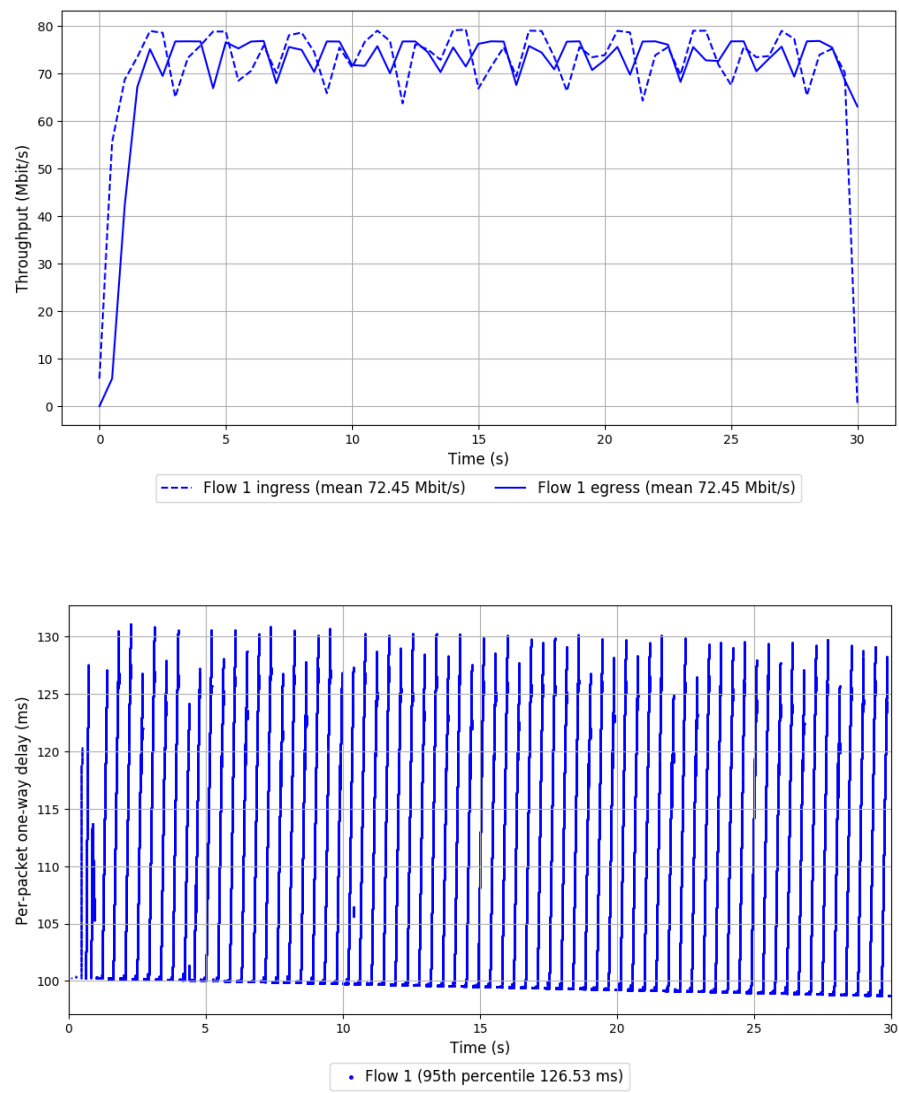


Run 2: Statistics of TaoVA-100x

Start at: 2019-08-27 06:06:31
End at: 2019-08-27 06:07:01
Local clock offset: -0.022 ms
Remote clock offset: -51.068 ms

Below is generated by plot.py at 2019-08-27 08:10:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.45 Mbit/s
95th percentile per-packet one-way delay: 126.534 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 72.45 Mbit/s
95th percentile per-packet one-way delay: 126.534 ms
Loss rate: 0.57%

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

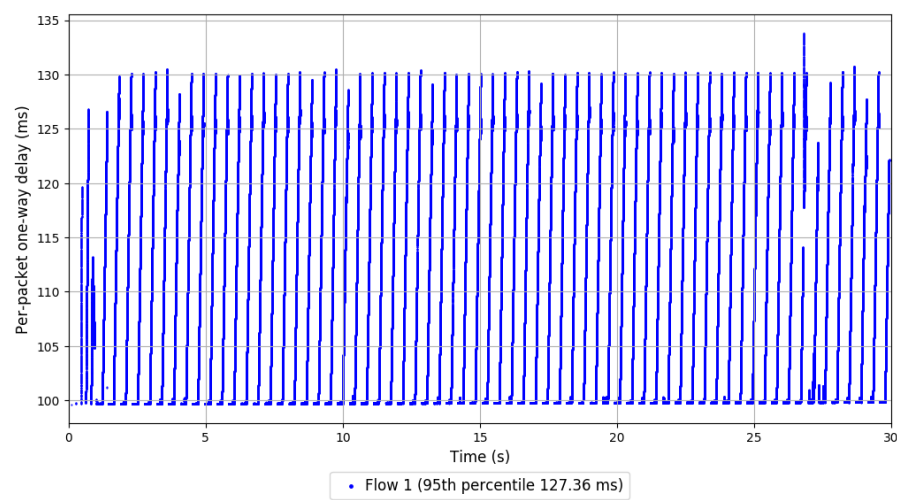
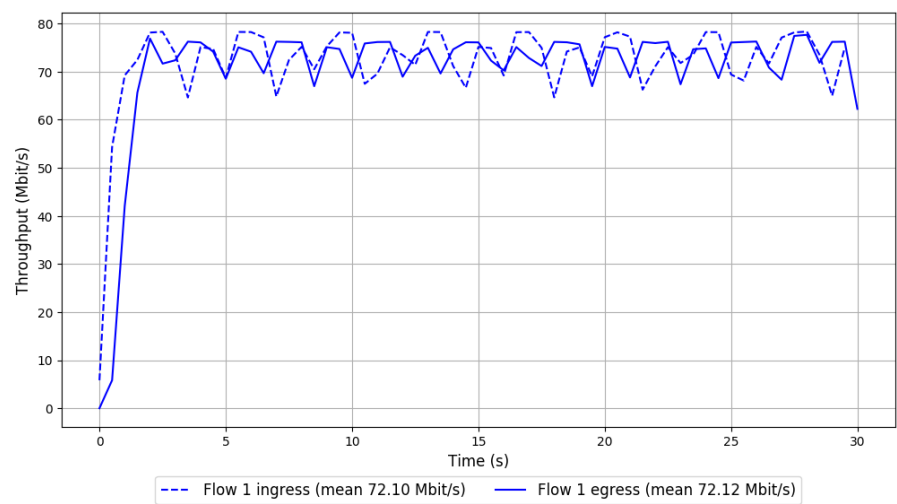


Run 3: Statistics of TaoVA-100x

Start at: 2019-08-27 06:35:04
End at: 2019-08-27 06:35:34
Local clock offset: -0.975 ms
Remote clock offset: -26.948 ms

Below is generated by plot.py at 2019-08-27 08:10:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.12 Mbit/s
95th percentile per-packet one-way delay: 127.356 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 72.12 Mbit/s
95th percentile per-packet one-way delay: 127.356 ms
Loss rate: 0.55%

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

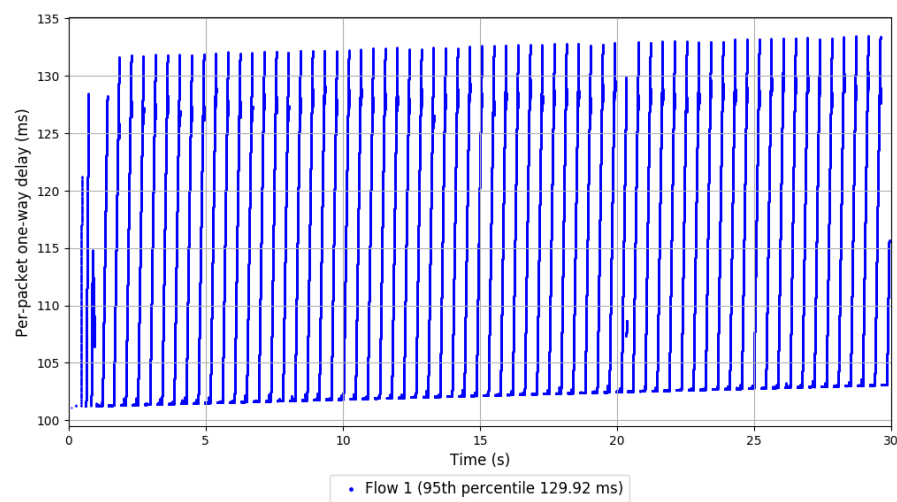
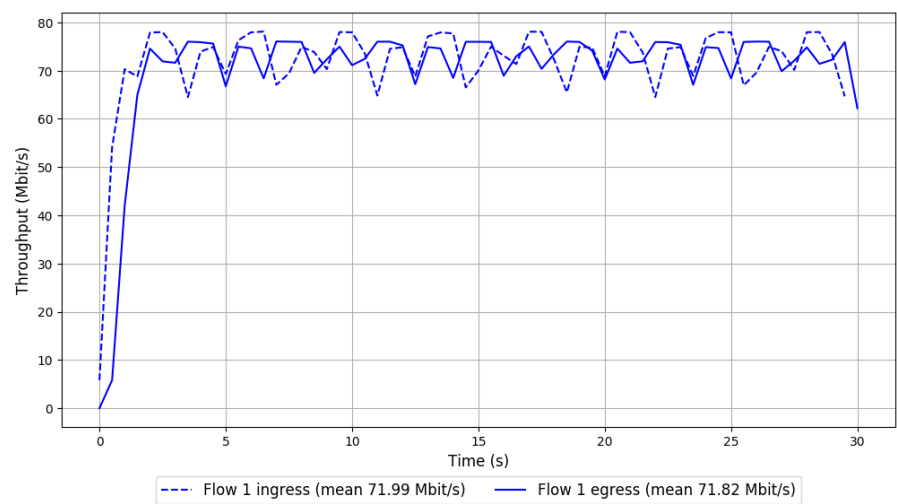


Run 4: Statistics of TaoVA-100x

Start at: 2019-08-27 07:03:34
End at: 2019-08-27 07:04:04
Local clock offset: -0.194 ms
Remote clock offset: -47.367 ms

Below is generated by plot.py at 2019-08-27 08:10:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.82 Mbit/s
95th percentile per-packet one-way delay: 129.920 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 71.82 Mbit/s
95th percentile per-packet one-way delay: 129.920 ms
Loss rate: 0.58%

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

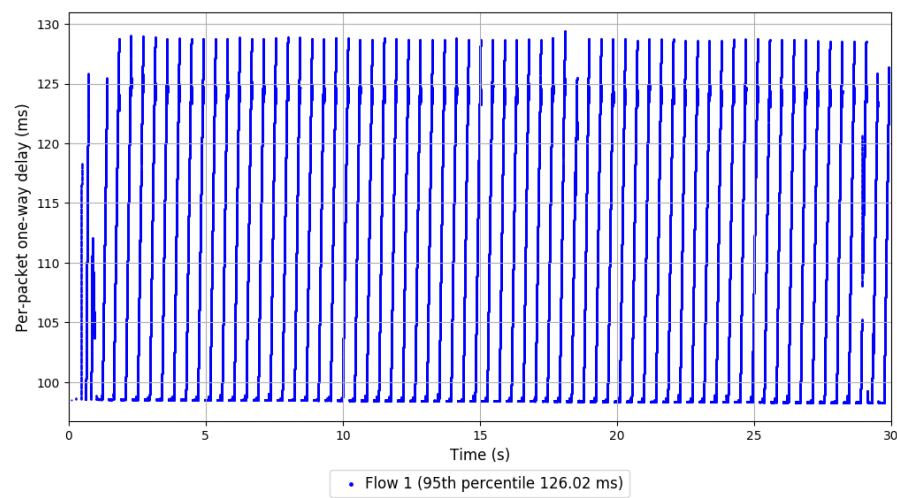
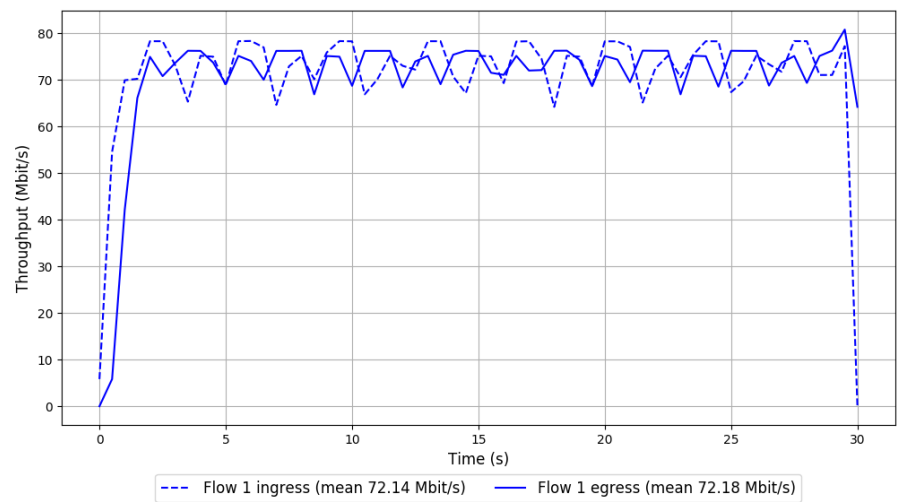


Run 5: Statistics of TaoVA-100x

Start at: 2019-08-27 07:32:07
End at: 2019-08-27 07:32:37
Local clock offset: -0.897 ms
Remote clock offset: -27.891 ms

Below is generated by plot.py at 2019-08-27 08:10:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.18 Mbit/s
95th percentile per-packet one-way delay: 126.024 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 72.18 Mbit/s
95th percentile per-packet one-way delay: 126.024 ms
Loss rate: 0.53%

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

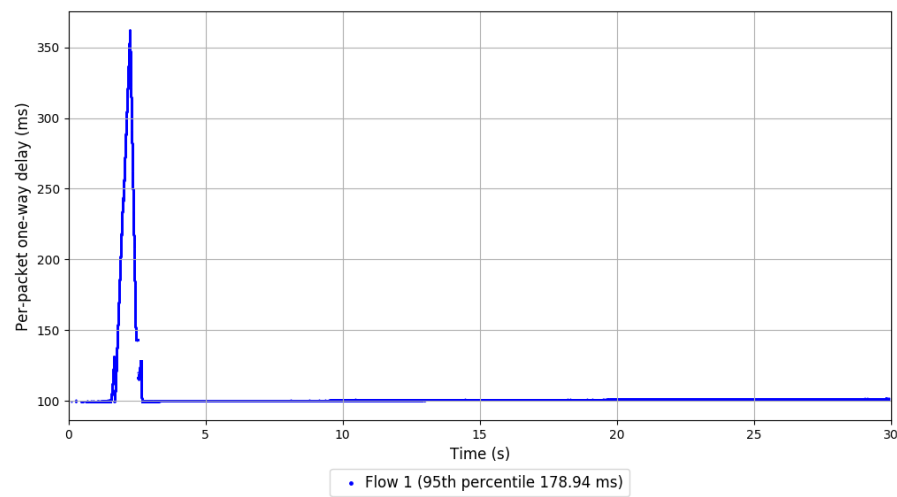
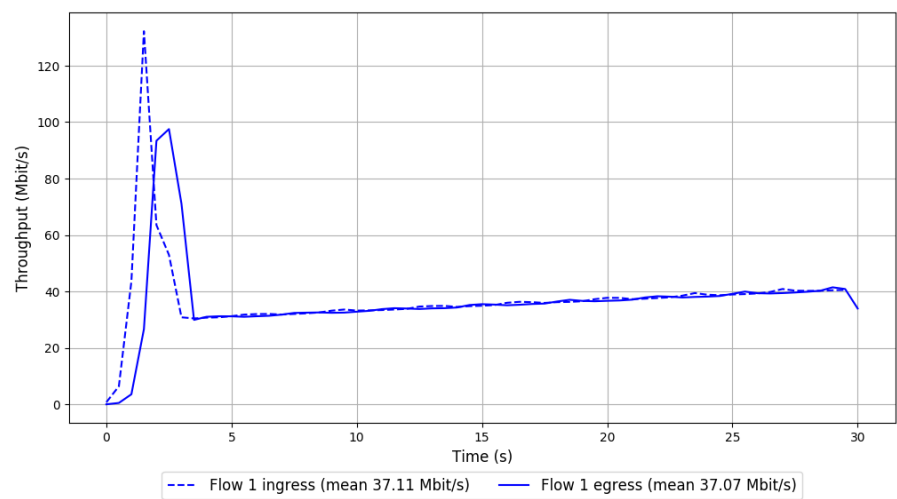


Run 1: Statistics of TCP Vegas

Start at: 2019-08-27 05:55:45
End at: 2019-08-27 05:56:15
Local clock offset: 0.006 ms
Remote clock offset: -41.131 ms

Below is generated by plot.py at 2019-08-27 08:10:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.07 Mbit/s
95th percentile per-packet one-way delay: 178.941 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 37.07 Mbit/s
95th percentile per-packet one-way delay: 178.941 ms
Loss rate: 0.66%

Run 1: Report of TCP Vegas — Data Link

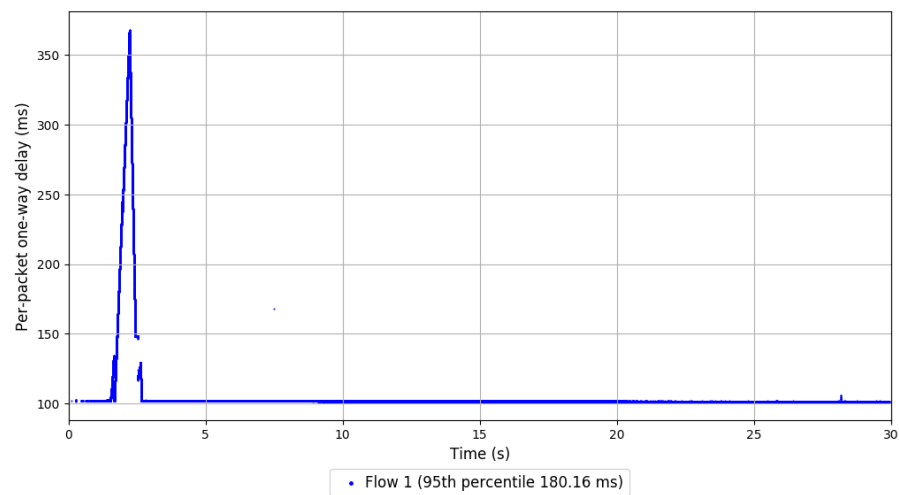
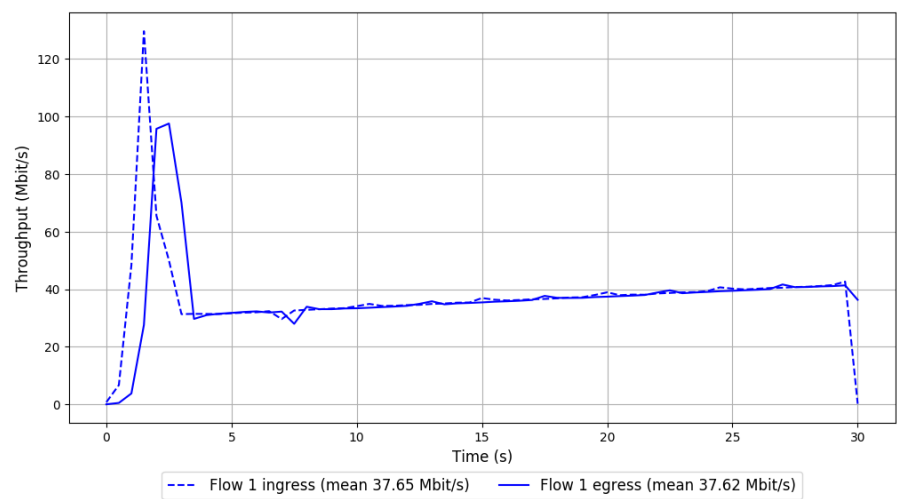


Run 2: Statistics of TCP Vegas

Start at: 2019-08-27 06:24:14
End at: 2019-08-27 06:24:44
Local clock offset: -0.085 ms
Remote clock offset: -30.771 ms

Below is generated by plot.py at 2019-08-27 08:10:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.62 Mbit/s
95th percentile per-packet one-way delay: 180.161 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 37.62 Mbit/s
95th percentile per-packet one-way delay: 180.161 ms
Loss rate: 0.66%

Run 2: Report of TCP Vegas — Data Link

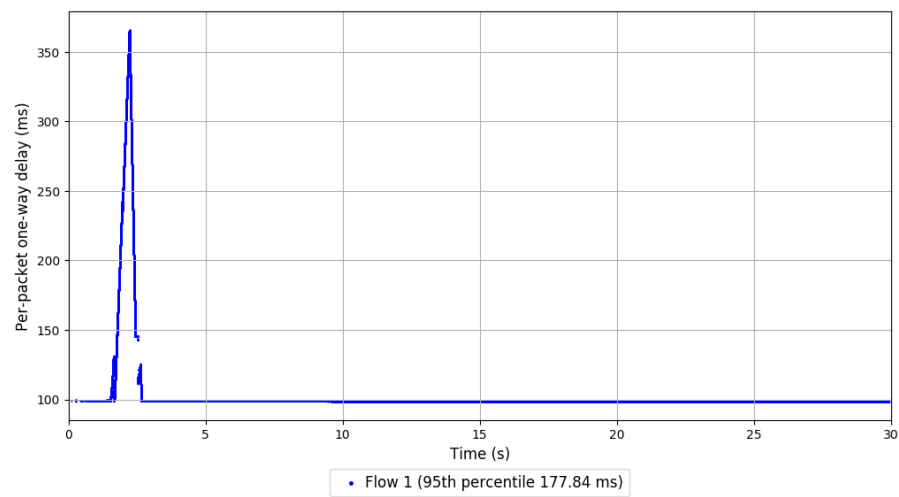
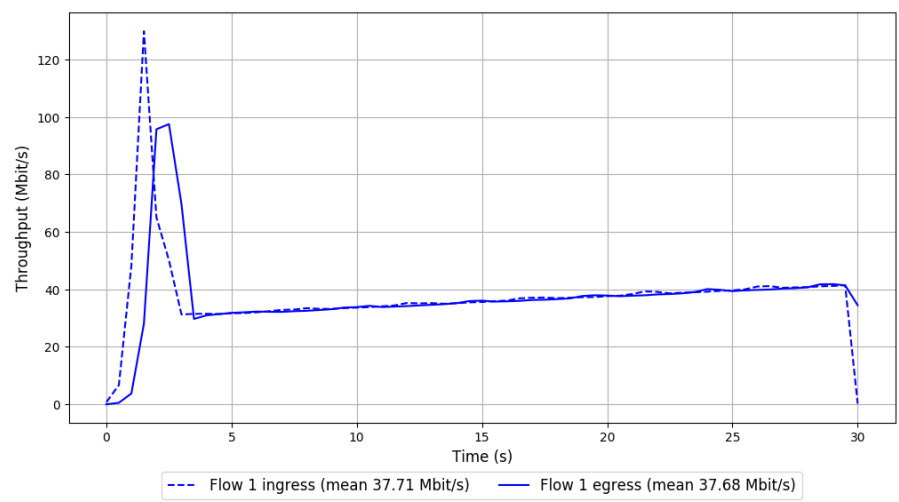


Run 3: Statistics of TCP Vegas

Start at: 2019-08-27 06:52:48
End at: 2019-08-27 06:53:18
Local clock offset: -1.037 ms
Remote clock offset: -37.603 ms

Below is generated by plot.py at 2019-08-27 08:10:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.68 Mbit/s
95th percentile per-packet one-way delay: 177.841 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 37.68 Mbit/s
95th percentile per-packet one-way delay: 177.841 ms
Loss rate: 0.66%

Run 3: Report of TCP Vegas — Data Link

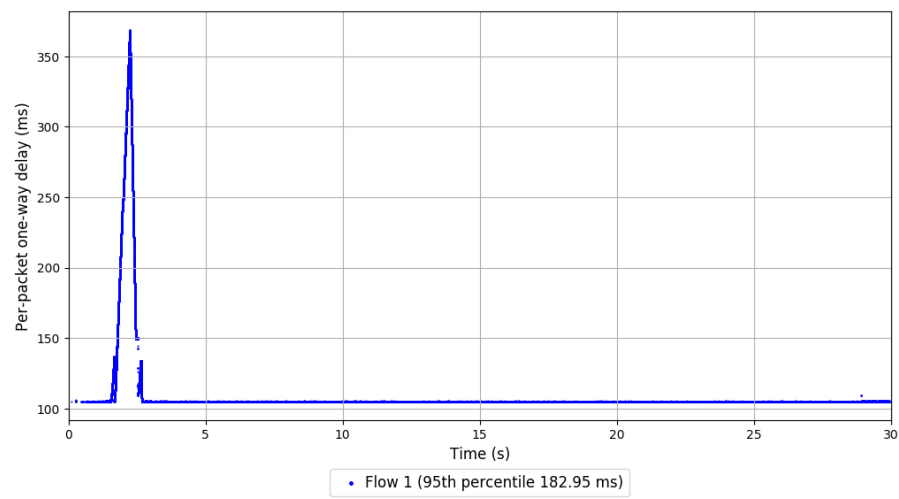
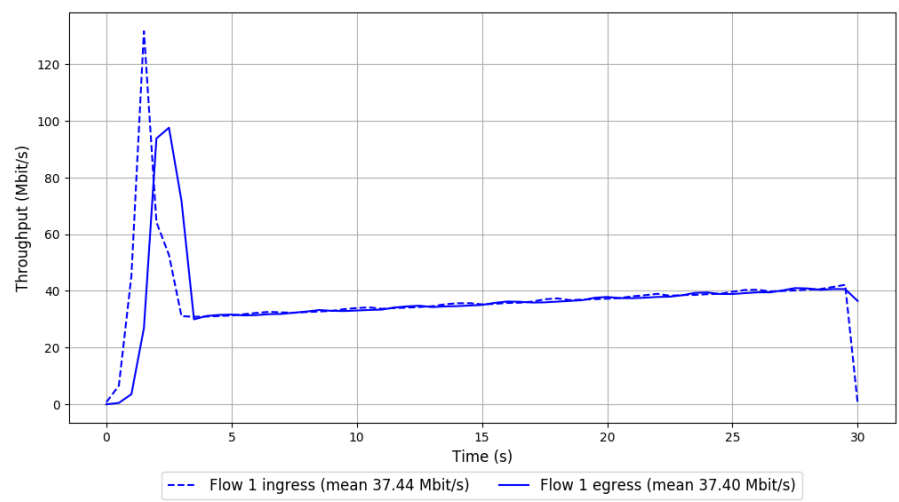


Run 4: Statistics of TCP Vegas

Start at: 2019-08-27 07:21:21
End at: 2019-08-27 07:21:51
Local clock offset: -0.157 ms
Remote clock offset: -29.15 ms

Below is generated by plot.py at 2019-08-27 08:10:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.40 Mbit/s
95th percentile per-packet one-way delay: 182.946 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 37.40 Mbit/s
95th percentile per-packet one-way delay: 182.946 ms
Loss rate: 0.68%

Run 4: Report of TCP Vegas — Data Link

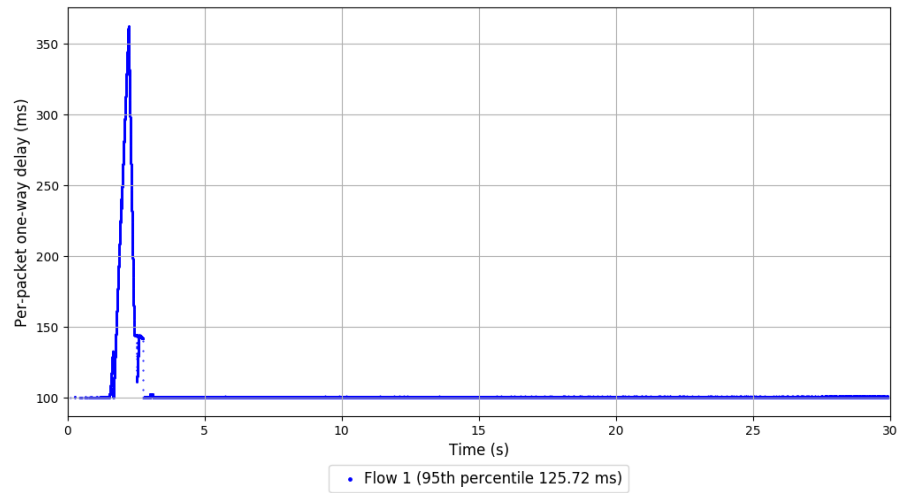
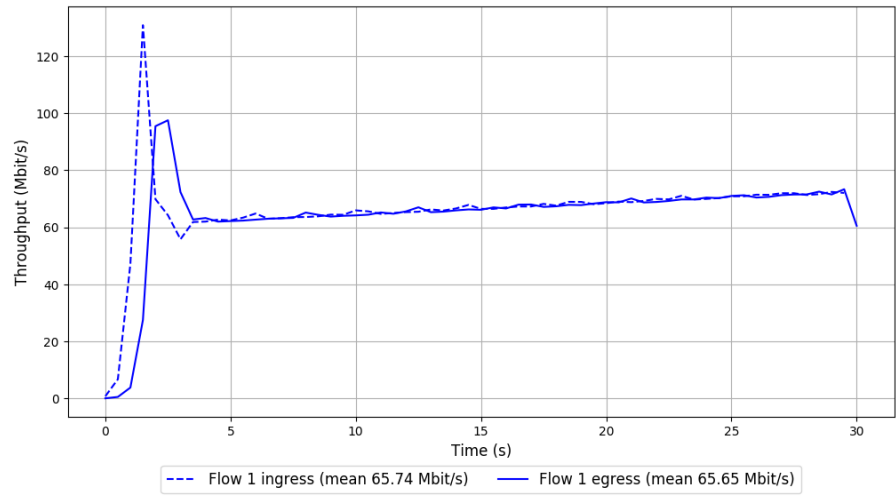


Run 5: Statistics of TCP Vegas

Start at: 2019-08-27 07:49:51
End at: 2019-08-27 07:50:21
Local clock offset: -0.936 ms
Remote clock offset: -17.534 ms

Below is generated by plot.py at 2019-08-27 08:10:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.65 Mbit/s
95th percentile per-packet one-way delay: 125.723 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 65.65 Mbit/s
95th percentile per-packet one-way delay: 125.723 ms
Loss rate: 0.71%

Run 5: Report of TCP Vegas — Data Link

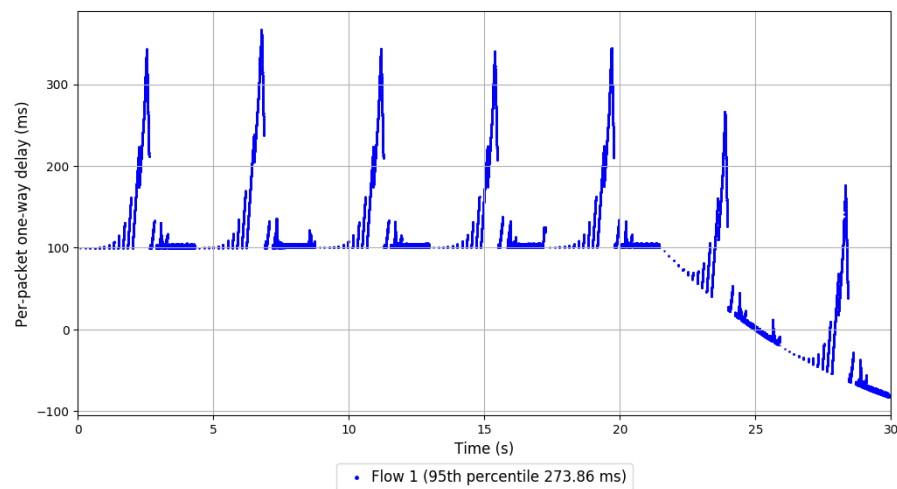
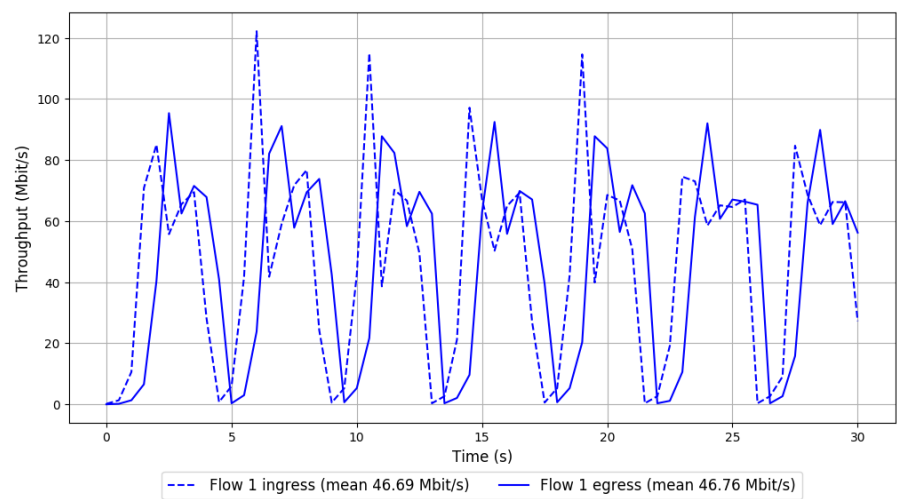


Run 1: Statistics of Verus

Start at: 2019-08-27 05:33:11
End at: 2019-08-27 05:33:41
Local clock offset: -0.759 ms
Remote clock offset: 261.426 ms

Below is generated by plot.py at 2019-08-27 08:10:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 46.76 Mbit/s
95th percentile per-packet one-way delay: 273.856 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 46.76 Mbit/s
95th percentile per-packet one-way delay: 273.856 ms
Loss rate: 1.03%

Run 1: Report of Verus — Data Link

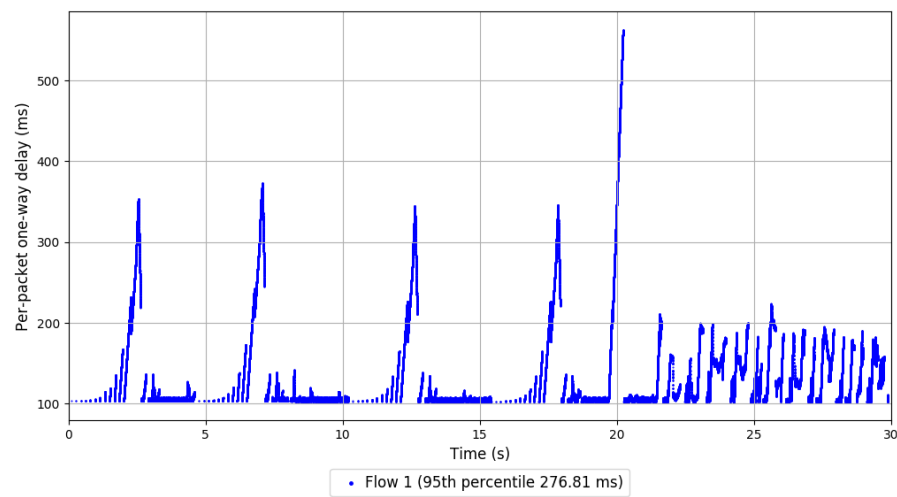
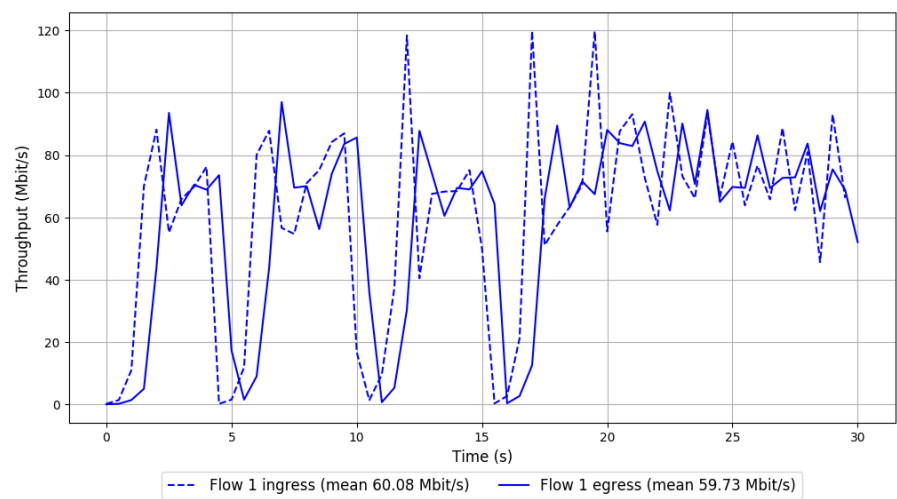


Run 2: Statistics of Verus

Start at: 2019-08-27 06:01:42
End at: 2019-08-27 06:02:12
Local clock offset: -0.848 ms
Remote clock offset: -42.558 ms

Below is generated by plot.py at 2019-08-27 08:10:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.73 Mbit/s
95th percentile per-packet one-way delay: 276.807 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 59.73 Mbit/s
95th percentile per-packet one-way delay: 276.807 ms
Loss rate: 1.16%

Run 2: Report of Verus — Data Link

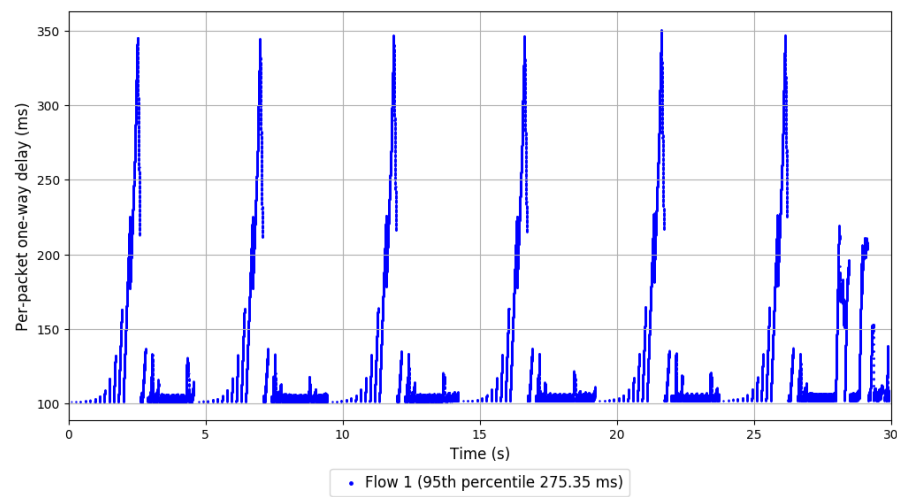
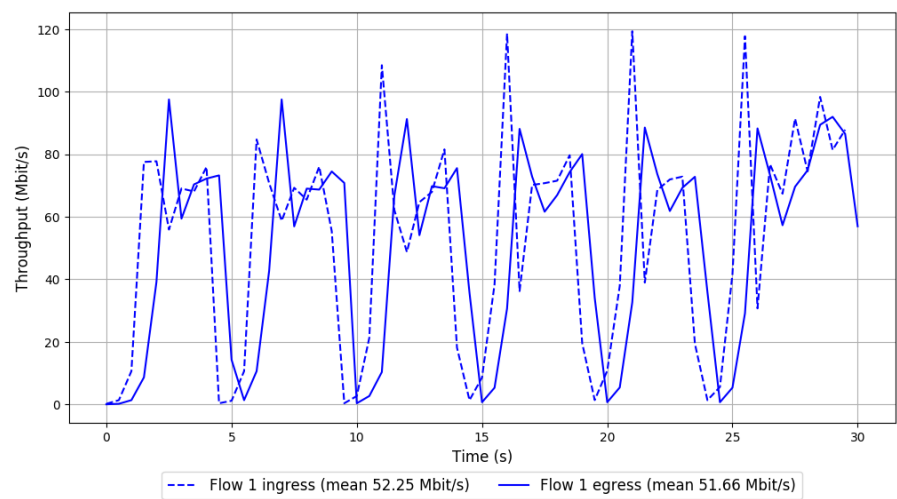


Run 3: Statistics of Verus

Start at: 2019-08-27 06:30:10
End at: 2019-08-27 06:30:40
Local clock offset: -0.133 ms
Remote clock offset: -33.044 ms

Below is generated by plot.py at 2019-08-27 08:11:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 51.66 Mbit/s
95th percentile per-packet one-way delay: 275.350 ms
Loss rate: 1.68%
-- Flow 1:
Average throughput: 51.66 Mbit/s
95th percentile per-packet one-way delay: 275.350 ms
Loss rate: 1.68%

Run 3: Report of Verus — Data Link

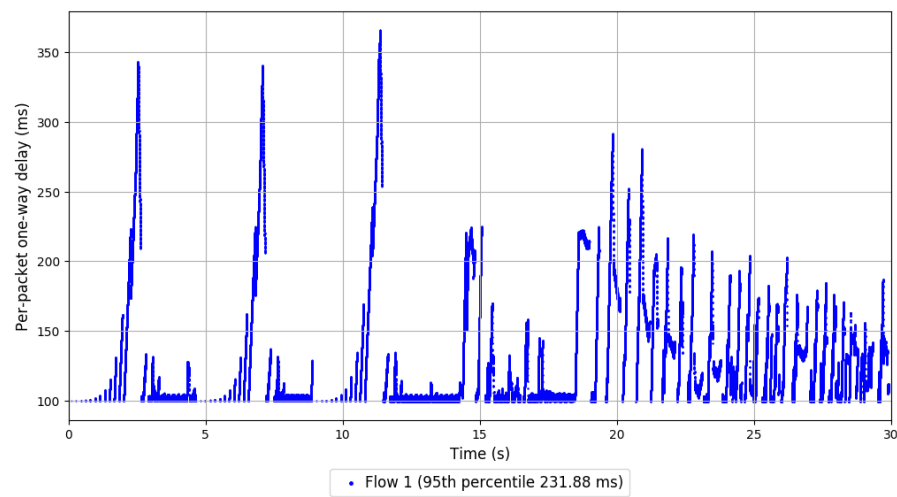
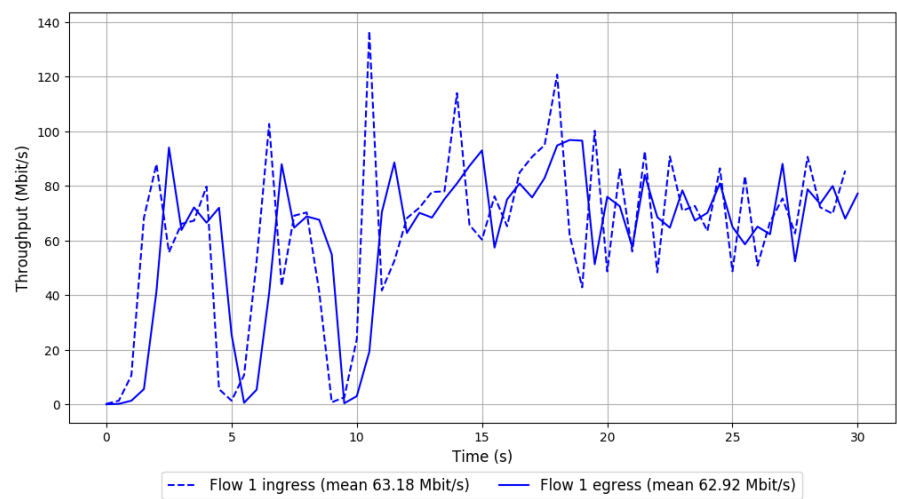


Run 4: Statistics of Verus

Start at: 2019-08-27 06:58:45
End at: 2019-08-27 06:59:15
Local clock offset: -0.215 ms
Remote clock offset: -44.894 ms

Below is generated by plot.py at 2019-08-27 08:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.92 Mbit/s
95th percentile per-packet one-way delay: 231.880 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 62.92 Mbit/s
95th percentile per-packet one-way delay: 231.880 ms
Loss rate: 0.91%

Run 4: Report of Verus — Data Link

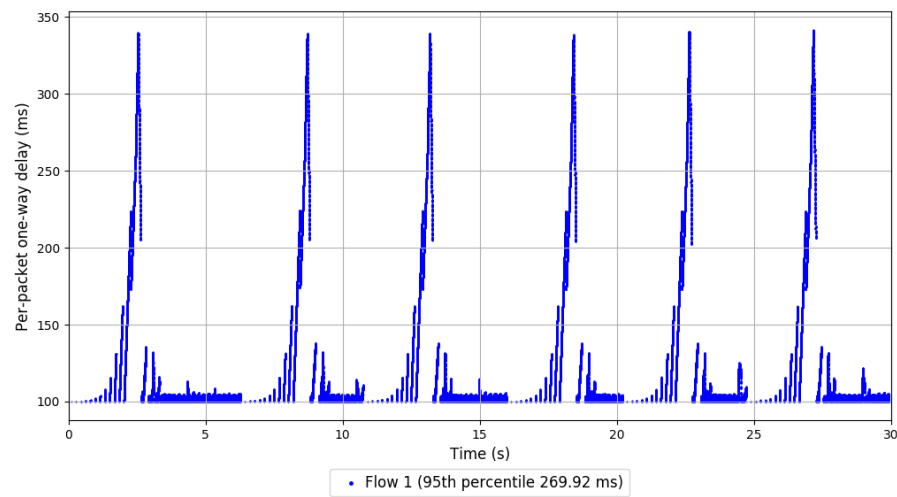
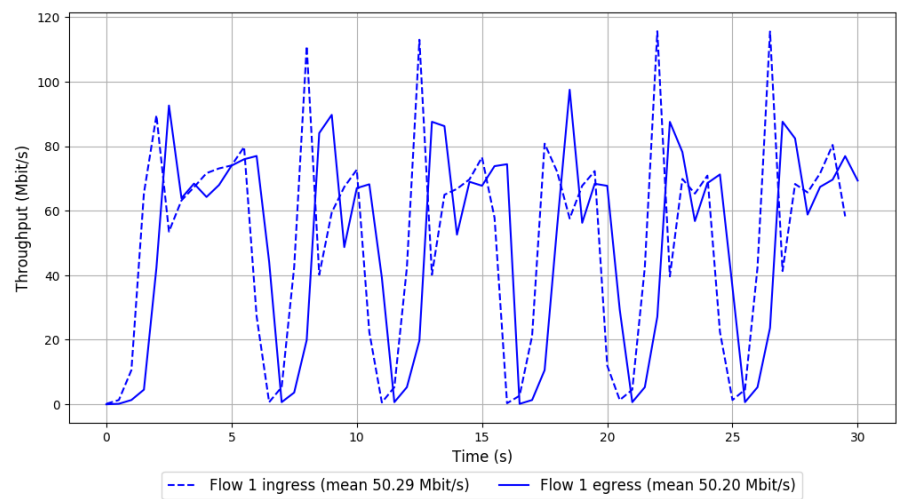


Run 5: Statistics of Verus

Start at: 2019-08-27 07:27:18
End at: 2019-08-27 07:27:48
Local clock offset: -0.158 ms
Remote clock offset: -26.032 ms

Below is generated by plot.py at 2019-08-27 08:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.20 Mbit/s
95th percentile per-packet one-way delay: 269.915 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 50.20 Mbit/s
95th percentile per-packet one-way delay: 269.915 ms
Loss rate: 0.30%

Run 5: Report of Verus — Data Link

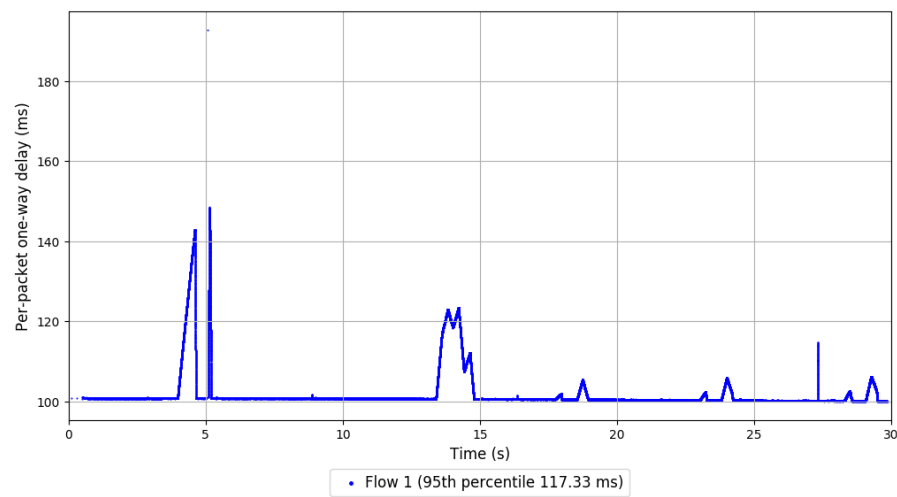
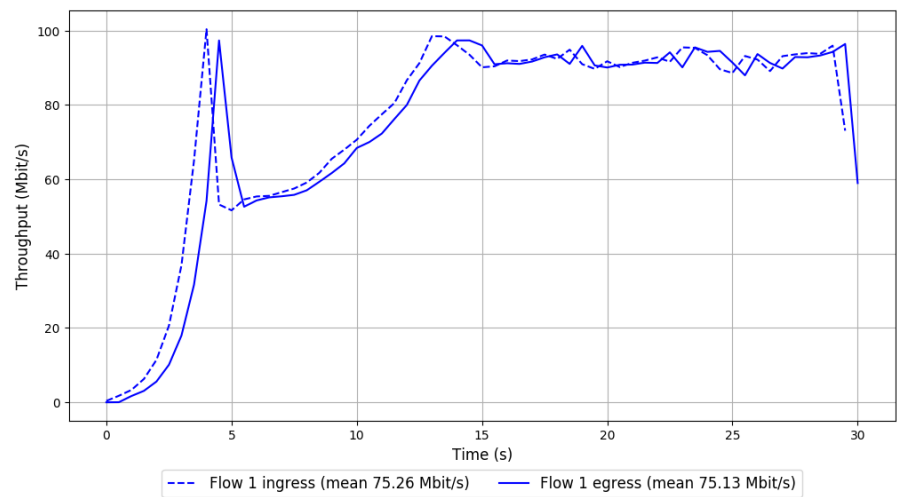


Run 1: Statistics of PCC-Vivace

Start at: 2019-08-27 05:43:52
End at: 2019-08-27 05:44:22
Local clock offset: -0.754 ms
Remote clock offset: -32.778 ms

Below is generated by plot.py at 2019-08-27 08:11:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.13 Mbit/s
95th percentile per-packet one-way delay: 117.327 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 75.13 Mbit/s
95th percentile per-packet one-way delay: 117.327 ms
Loss rate: 0.75%

Run 1: Report of PCC-Vivace — Data Link

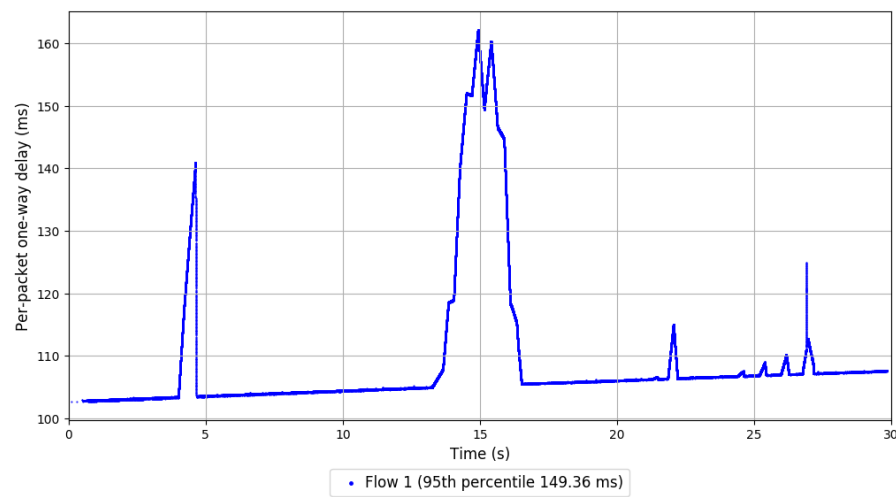
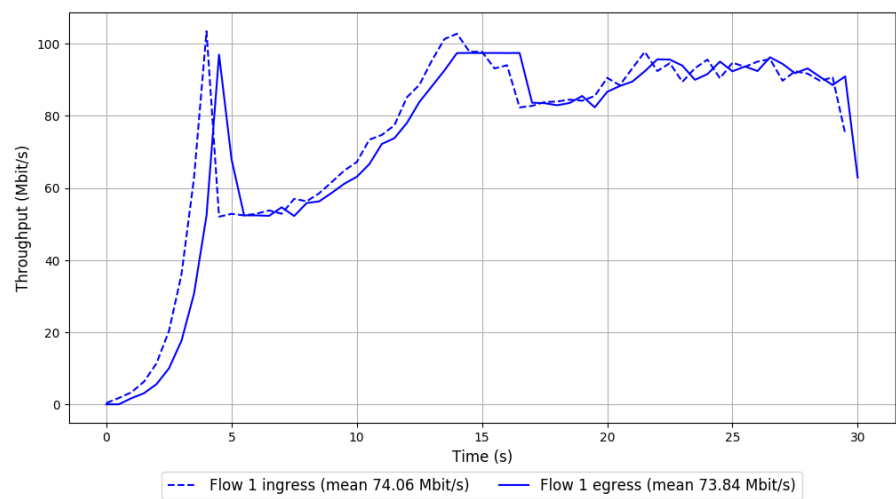


Run 2: Statistics of PCC-Vivace

Start at: 2019-08-27 06:12:23
End at: 2019-08-27 06:12:53
Local clock offset: -0.794 ms
Remote clock offset: -59.676 ms

Below is generated by plot.py at 2019-08-27 08:11:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.84 Mbit/s
95th percentile per-packet one-way delay: 149.358 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 73.84 Mbit/s
95th percentile per-packet one-way delay: 149.358 ms
Loss rate: 0.86%

Run 2: Report of PCC-Vivace — Data Link

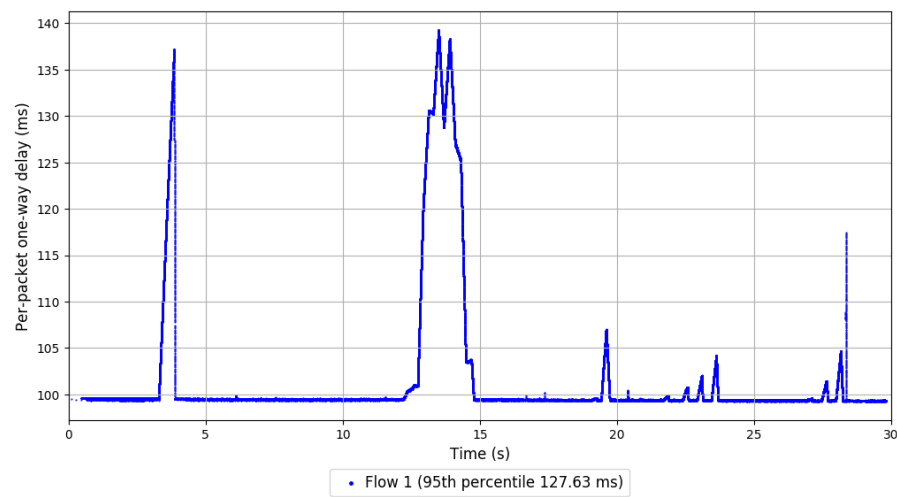
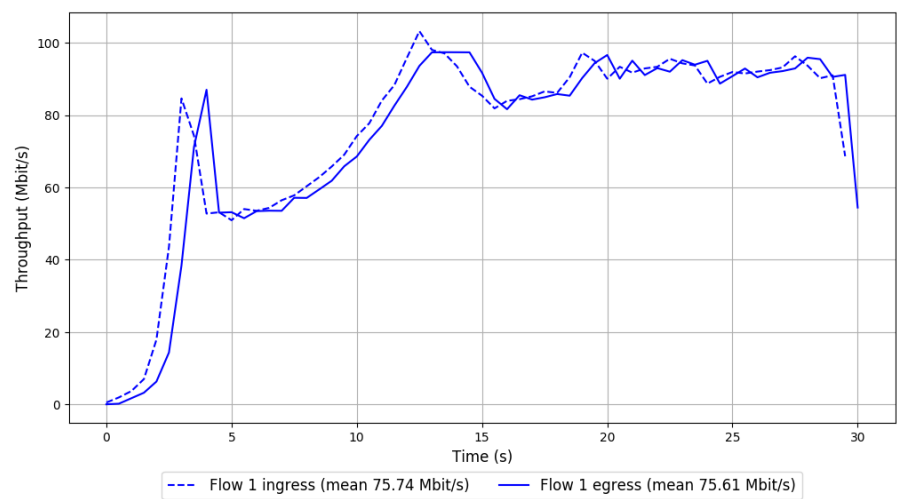


Run 3: Statistics of PCC-Vivace

Start at: 2019-08-27 06:40:56
End at: 2019-08-27 06:41:26
Local clock offset: -1.015 ms
Remote clock offset: -27.509 ms

Below is generated by plot.py at 2019-08-27 08:11:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.61 Mbit/s
95th percentile per-packet one-way delay: 127.633 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 75.61 Mbit/s
95th percentile per-packet one-way delay: 127.633 ms
Loss rate: 0.75%

Run 3: Report of PCC-Vivace — Data Link

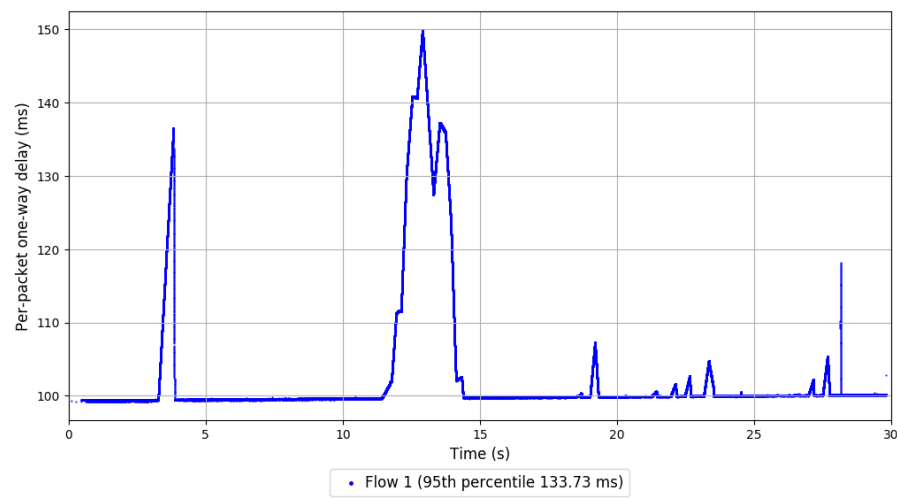
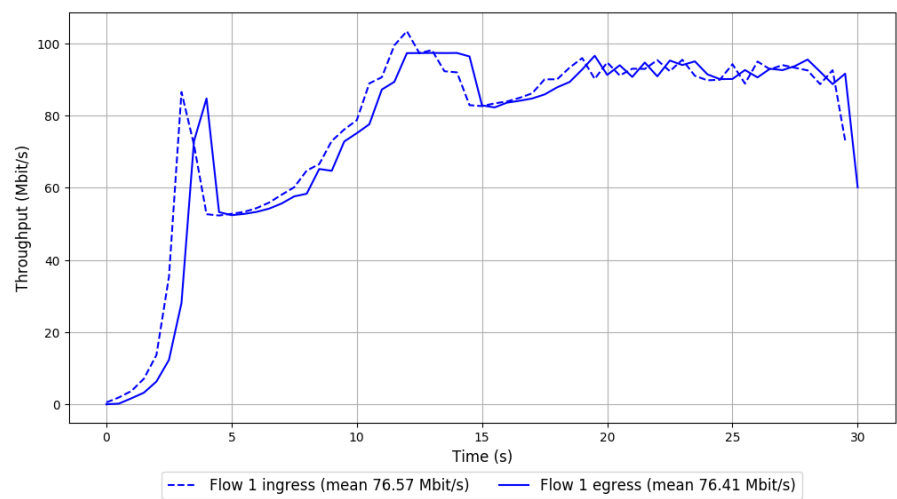


Run 4: Statistics of PCC-Vivace

Start at: 2019-08-27 07:09:26
End at: 2019-08-27 07:09:56
Local clock offset: -0.967 ms
Remote clock offset: -31.151 ms

Below is generated by plot.py at 2019-08-27 08:11:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.41 Mbit/s
95th percentile per-packet one-way delay: 133.727 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 76.41 Mbit/s
95th percentile per-packet one-way delay: 133.727 ms
Loss rate: 0.77%

Run 4: Report of PCC-Vivace — Data Link

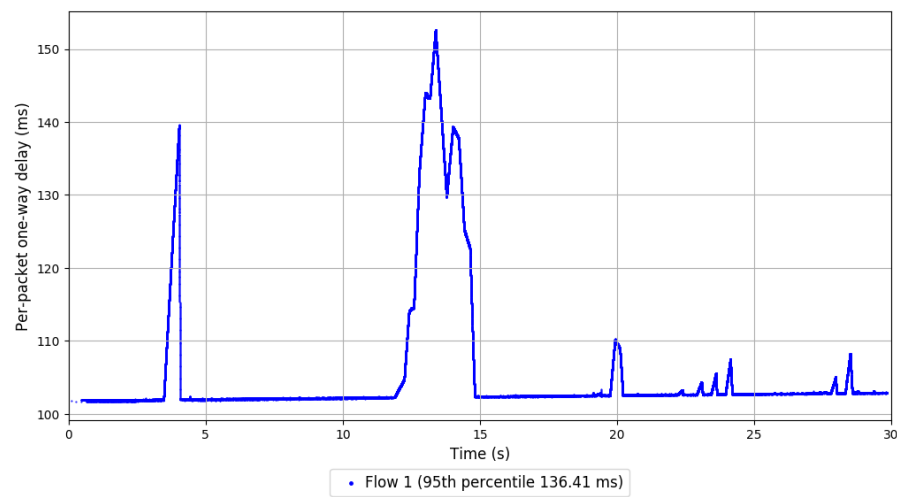
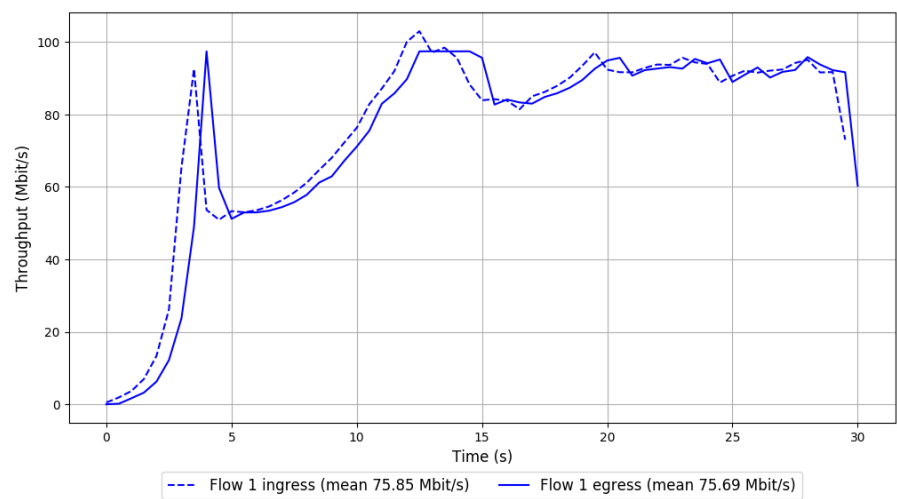


Run 5: Statistics of PCC-Vivace

Start at: 2019-08-27 07:37:59
End at: 2019-08-27 07:38:29
Local clock offset: -0.177 ms
Remote clock offset: -30.315 ms

Below is generated by plot.py at 2019-08-27 08:11:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.69 Mbit/s
95th percentile per-packet one-way delay: 136.405 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 75.69 Mbit/s
95th percentile per-packet one-way delay: 136.405 ms
Loss rate: 0.79%

Run 5: Report of PCC-Vivace — Data Link

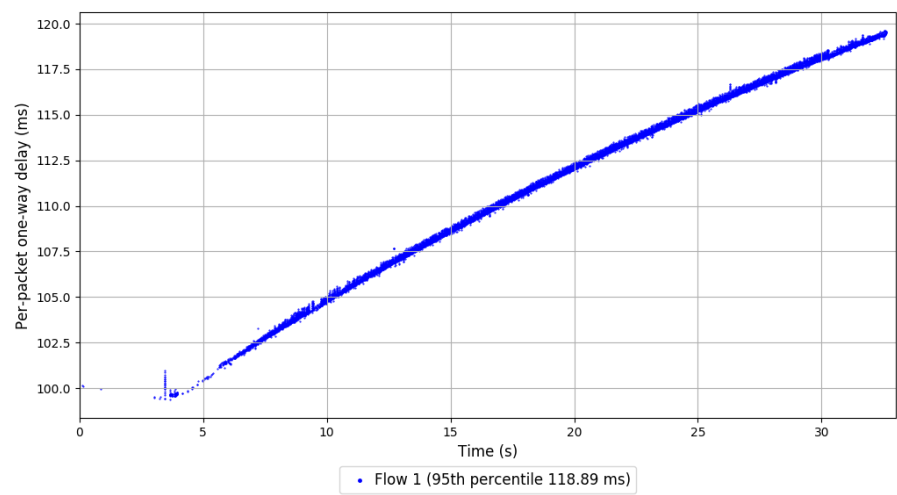
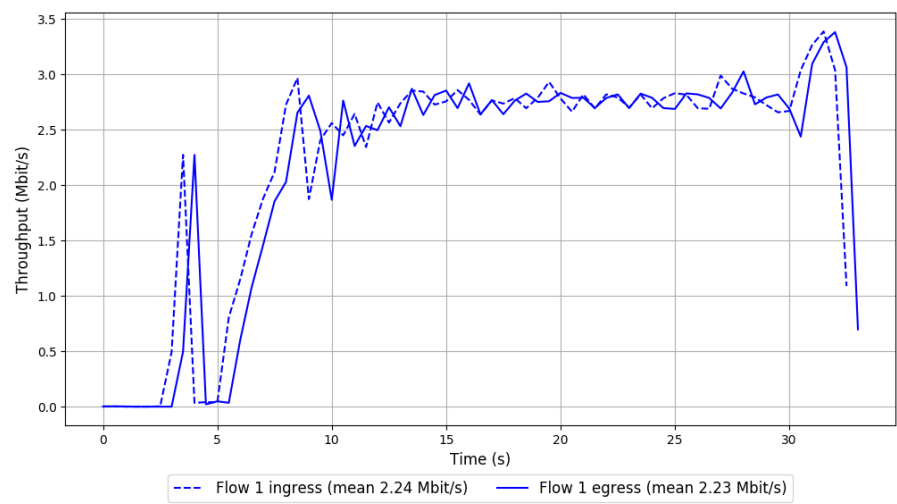


Run 1: Statistics of WebRTC media

Start at: 2019-08-27 05:41:32
End at: 2019-08-27 05:42:02
Local clock offset: -0.053 ms
Remote clock offset: -70.832 ms

Below is generated by plot.py at 2019-08-27 08:11:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 118.885 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 118.885 ms
Loss rate: 0.74%

Run 1: Report of WebRTC media — Data Link

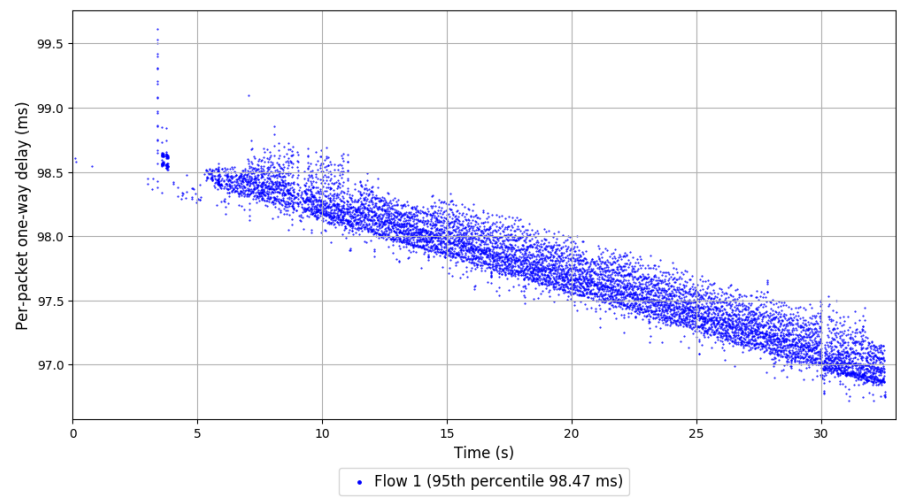
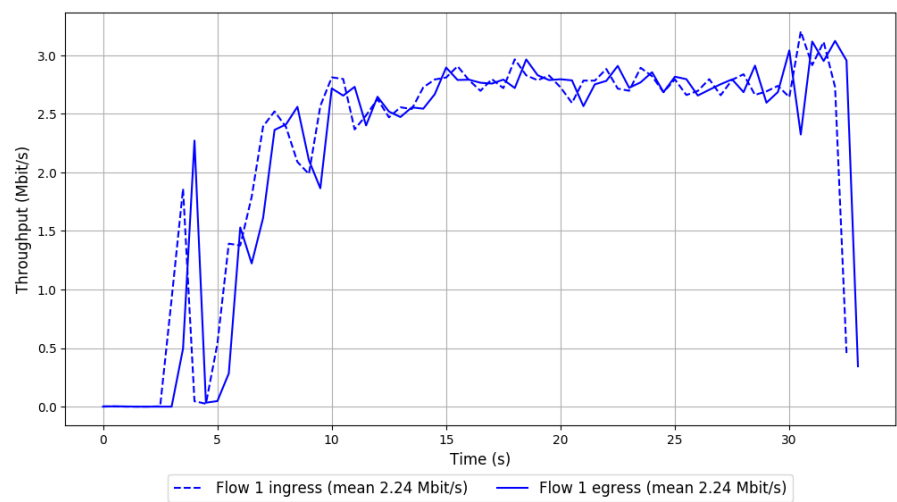


Run 2: Statistics of WebRTC media

Start at: 2019-08-27 06:10:03
End at: 2019-08-27 06:10:33
Local clock offset: -0.867 ms
Remote clock offset: -61.917 ms

Below is generated by plot.py at 2019-08-27 08:11:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 98.468 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 98.468 ms
Loss rate: 0.33%

Run 2: Report of WebRTC media — Data Link

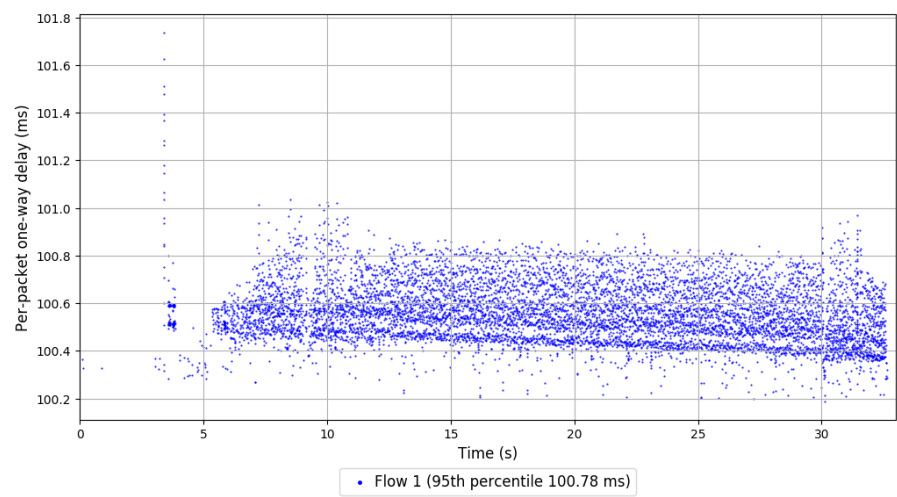
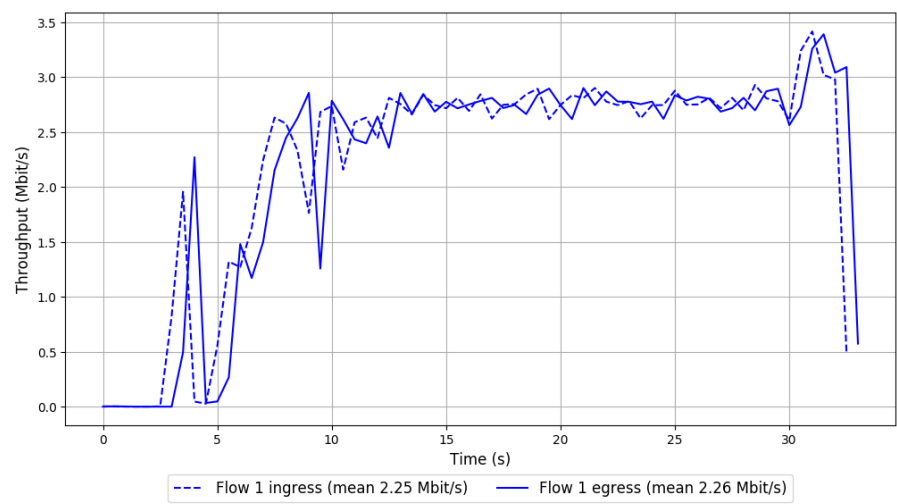


Run 3: Statistics of WebRTC media

Start at: 2019-08-27 06:38:36
End at: 2019-08-27 06:39:06
Local clock offset: -0.29 ms
Remote clock offset: -26.846 ms

Below is generated by plot.py at 2019-08-27 08:11:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 100.783 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 100.783 ms
Loss rate: 0.29%

Run 3: Report of WebRTC media — Data Link

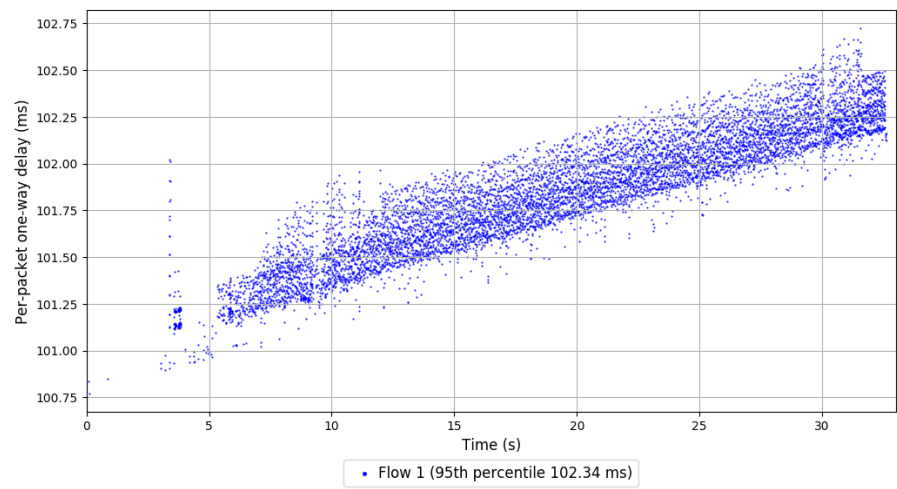
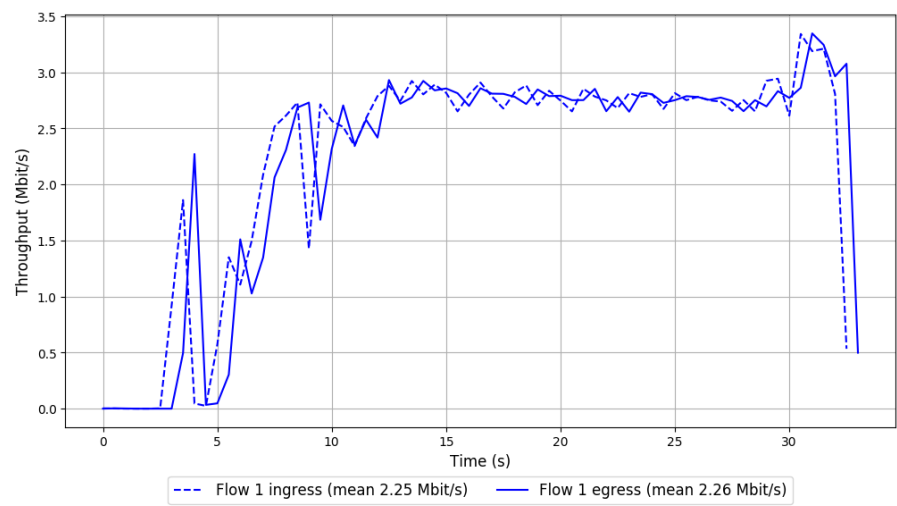


Run 4: Statistics of WebRTC media

Start at: 2019-08-27 07:07:06
End at: 2019-08-27 07:07:36
Local clock offset: -0.197 ms
Remote clock offset: -37.018 ms

Below is generated by plot.py at 2019-08-27 08:11:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 102.337 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 102.337 ms
Loss rate: 0.33%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-08-27 07:35:39
End at: 2019-08-27 07:36:09
Local clock offset: -0.193 ms
Remote clock offset: -30.593 ms

Below is generated by plot.py at 2019-08-27 08:11:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 99.442 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 99.442 ms
Loss rate: 0.31%

Run 5: Report of WebRTC media — Data Link

