

Pantheon Report

Generated at 2019-08-26 20:11:01 (UTC).

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

Repeated the test of 24 congestion control schemes 5 times.

Each test lasted for 30 seconds running 1 flow.

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

System info:

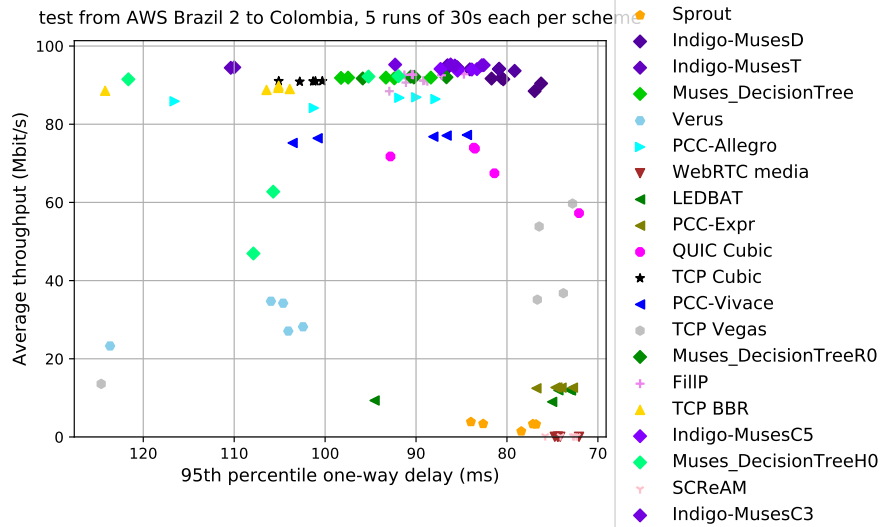
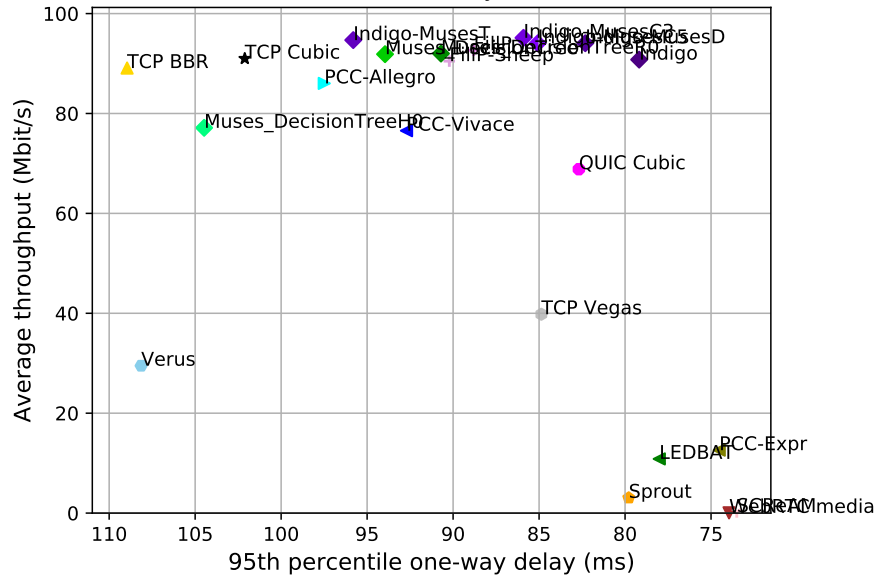
```
Linux 4.15.0-1043-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

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



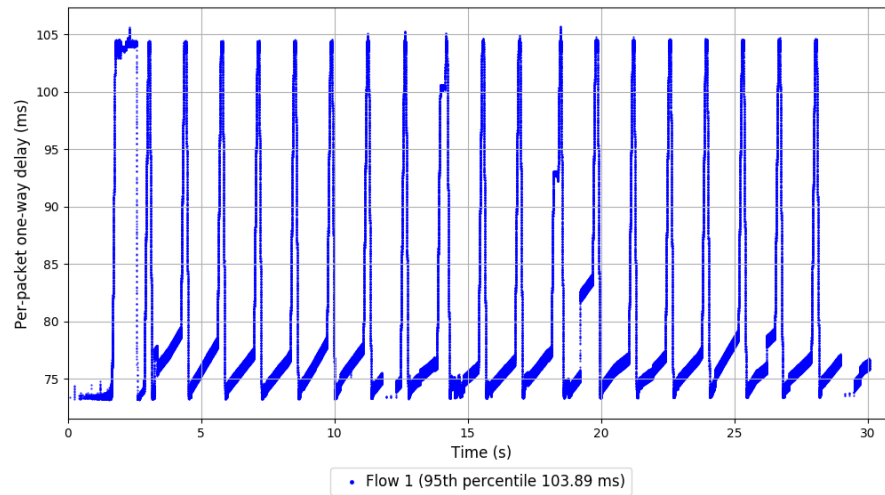
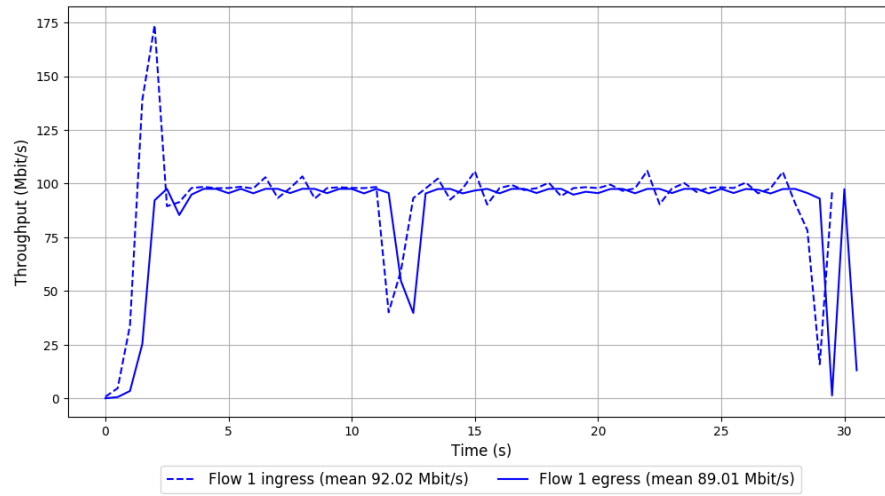
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	89.10	108.96	3.50
Copa	0	N/A	N/A	N/A
TCP Cubic	5	90.99	102.11	0.65
FillP	5	92.66	88.80	1.10
FillP-Sheep	5	90.49	90.22	1.07
Indigo	5	90.78	79.18	1.06
Indigo-MusesC3	5	95.15	85.91	0.26
Indigo-MusesC5	5	94.06	85.08	0.05
Indigo-MusesD	5	94.06	82.31	0.06
Indigo-MusesT	5	94.69	95.81	2.18
LEDBAT	5	10.85	78.01	0.14
Muses_DecisionTree	5	91.87	93.96	0.37
Muses_DecisionTreeH0	5	77.13	104.48	30.19
Muses_DecisionTreeR0	5	92.00	90.71	0.38
PCC-Allegro	5	86.02	97.49	1.58
PCC-Expr	5	12.60	74.53	43.12
QUIC Cubic	5	68.85	82.69	0.37
SCReAM	5	0.22	73.50	0.00
Sprout	5	3.05	79.79	0.00
TaoVA-100x	0	N/A	N/A	N/A
TCP Vegas	5	39.81	84.87	1.70
Verus	5	29.50	108.14	26.72
PCC-Vivace	5	76.56	92.71	0.09
WebRTC media	5	0.05	73.95	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-08-26 17:40:15
End at: 2019-08-26 17:40:45
Local clock offset: 13.045 ms
Remote clock offset: -93.974 ms

Below is generated by plot.py at 2019-08-26 20:00:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.01 Mbit/s
95th percentile per-packet one-way delay: 103.889 ms
Loss rate: 3.26%
-- Flow 1:
Average throughput: 89.01 Mbit/s
95th percentile per-packet one-way delay: 103.889 ms
Loss rate: 3.26%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-08-26 18:08:34

End at: 2019-08-26 18:09:04

Local clock offset: 15.4 ms

Remote clock offset: -101.831 ms

Below is generated by plot.py at 2019-08-26 20:00:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.77 Mbit/s

95th percentile per-packet one-way delay: 106.443 ms

Loss rate: 3.81%

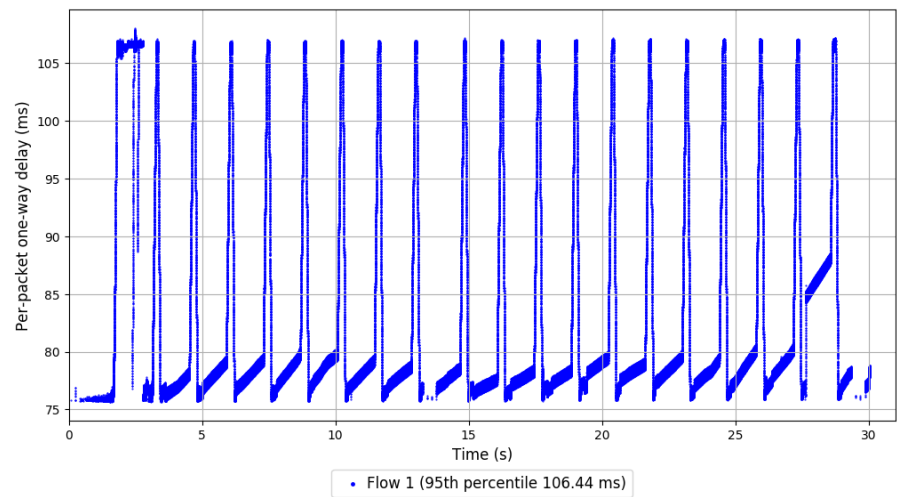
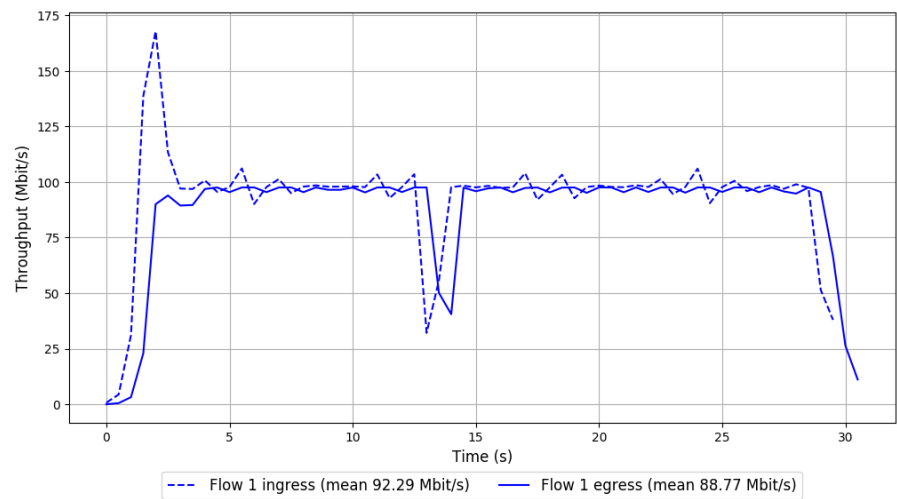
-- Flow 1:

Average throughput: 88.77 Mbit/s

95th percentile per-packet one-way delay: 106.443 ms

Loss rate: 3.81%

Run 2: Report of TCP BBR — Data Link

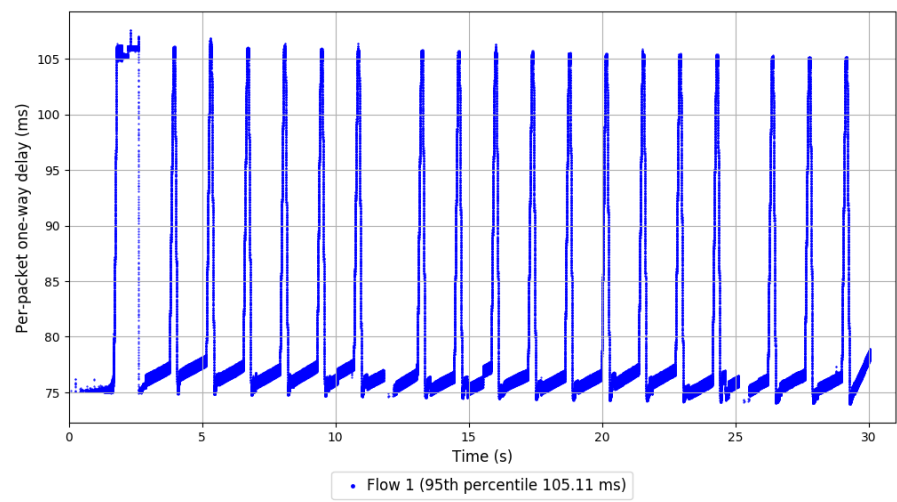
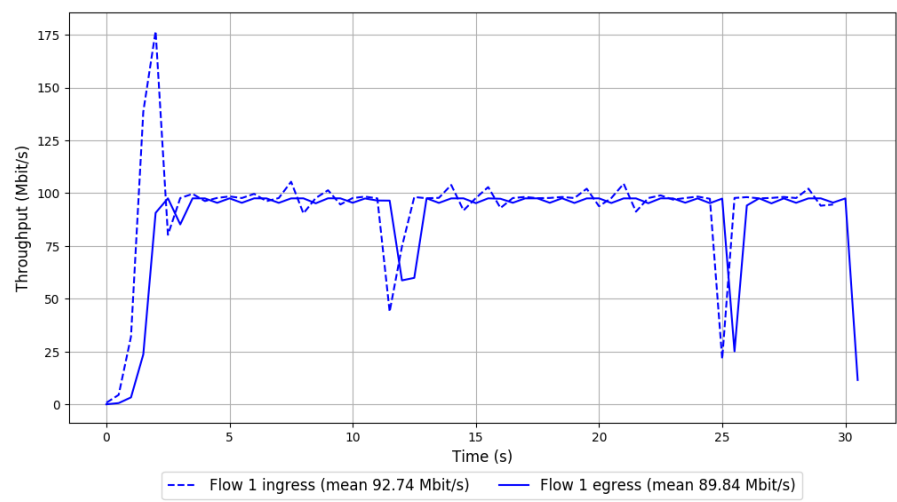


Run 3: Statistics of TCP BBR

Start at: 2019-08-26 18:36:49
End at: 2019-08-26 18:37:19
Local clock offset: 13.06 ms
Remote clock offset: 28.162 ms

Below is generated by plot.py at 2019-08-26 20:00:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.84 Mbit/s
95th percentile per-packet one-way delay: 105.115 ms
Loss rate: 3.12%
-- Flow 1:
Average throughput: 89.84 Mbit/s
95th percentile per-packet one-way delay: 105.115 ms
Loss rate: 3.12%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-08-26 19:05:03

End at: 2019-08-26 19:05:33

Local clock offset: 6.859 ms

Remote clock offset: 68.19 ms

Below is generated by plot.py at 2019-08-26 20:00:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.29 Mbit/s

95th percentile per-packet one-way delay: 105.147 ms

Loss rate: 3.18%

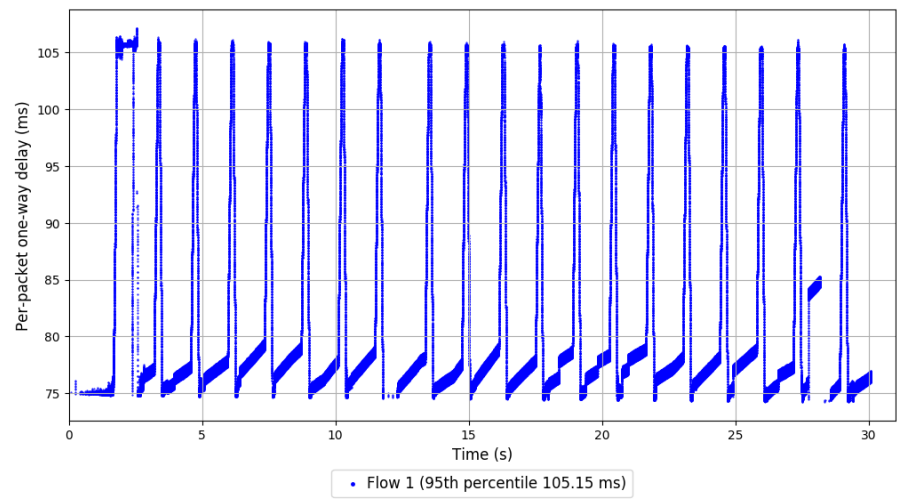
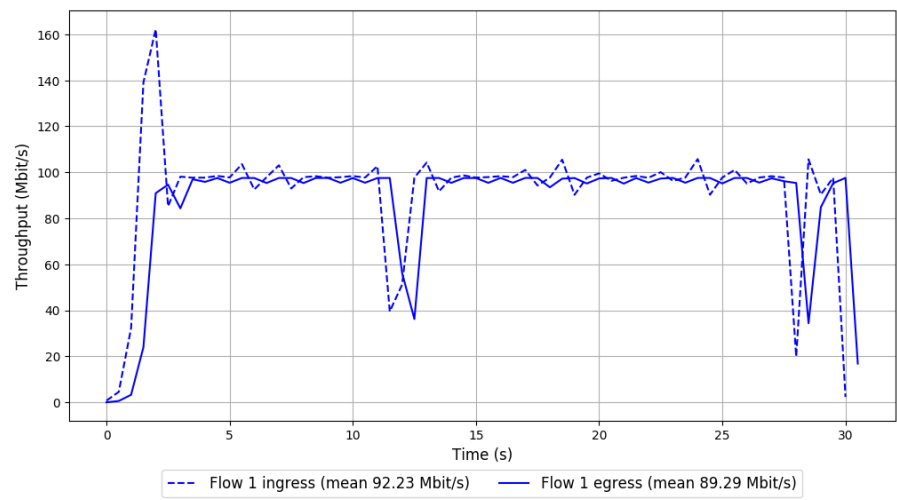
-- Flow 1:

Average throughput: 89.29 Mbit/s

95th percentile per-packet one-way delay: 105.147 ms

Loss rate: 3.18%

Run 4: Report of TCP BBR — Data Link

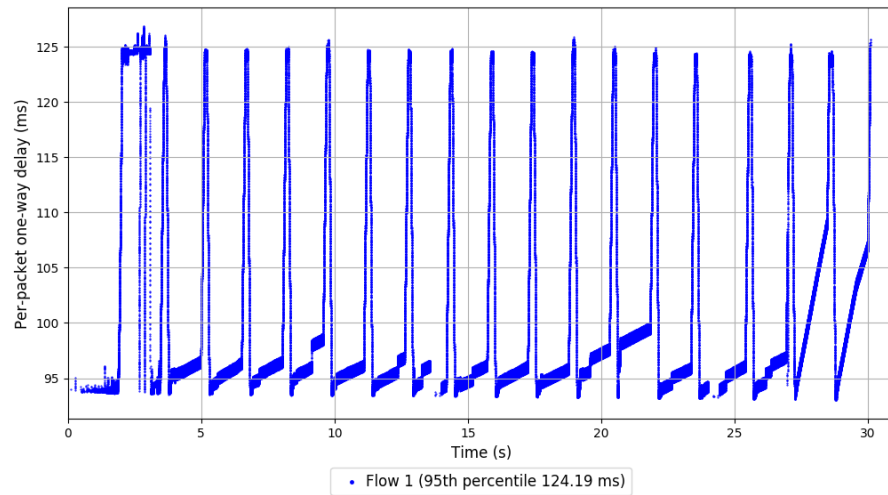
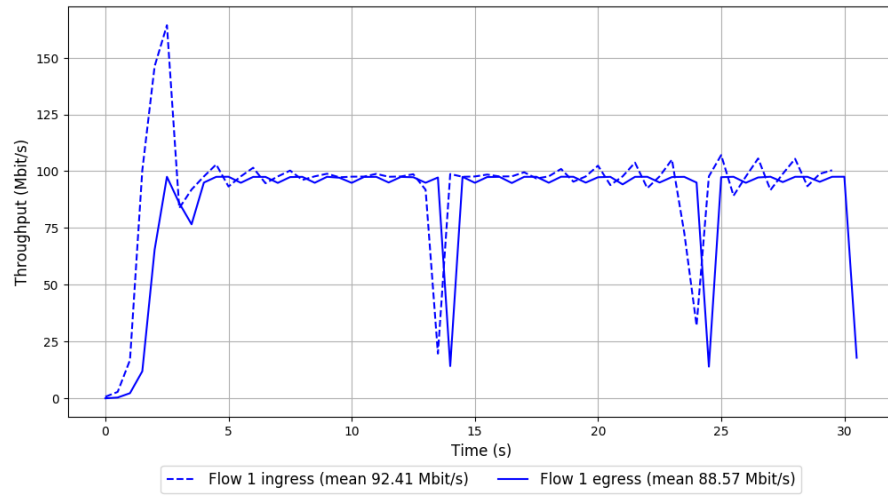


Run 5: Statistics of TCP BBR

Start at: 2019-08-26 19:33:15
End at: 2019-08-26 19:33:45
Local clock offset: 4.532 ms
Remote clock offset: 103.972 ms

Below is generated by plot.py at 2019-08-26 20:00:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.57 Mbit/s
95th percentile per-packet one-way delay: 124.190 ms
Loss rate: 4.12%
-- Flow 1:
Average throughput: 88.57 Mbit/s
95th percentile per-packet one-way delay: 124.190 ms
Loss rate: 4.12%

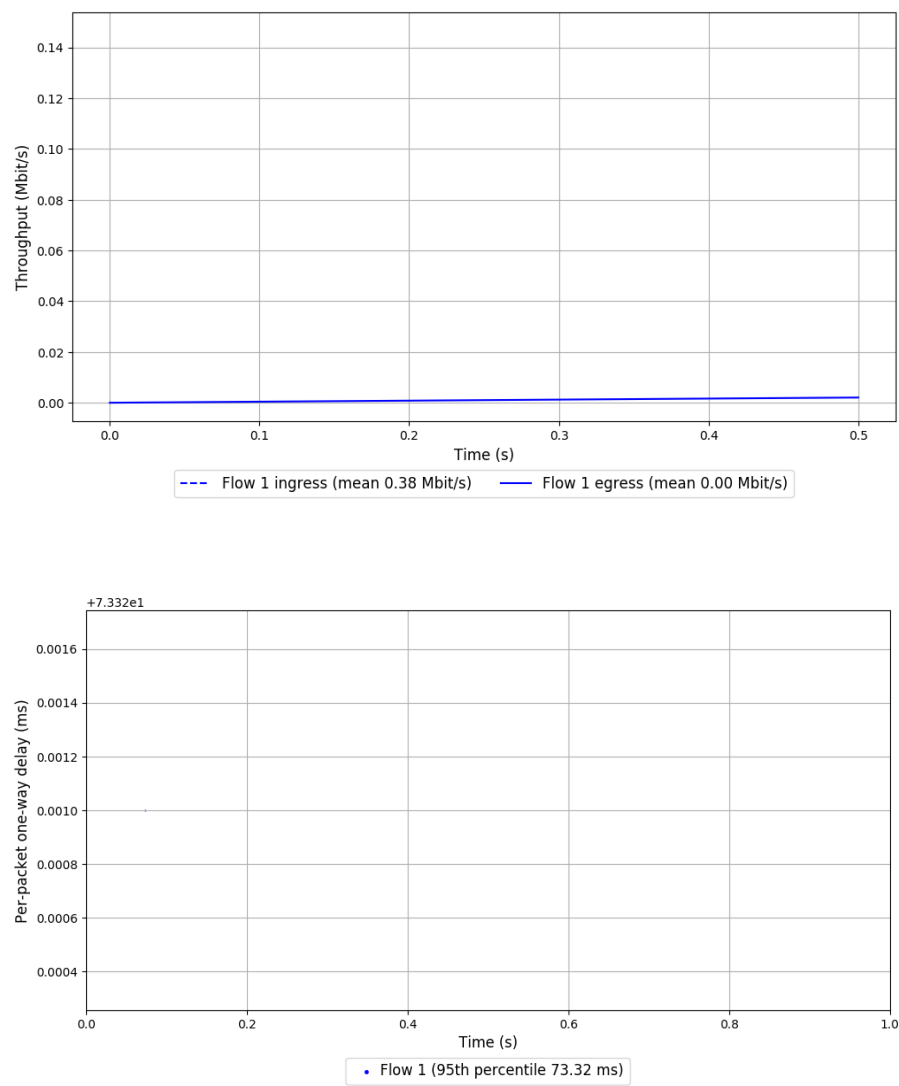
Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2019-08-26 17:54:30
End at: 2019-08-26 17:55:00
Local clock offset: 14.193 ms
Remote clock offset: -99.487 ms

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

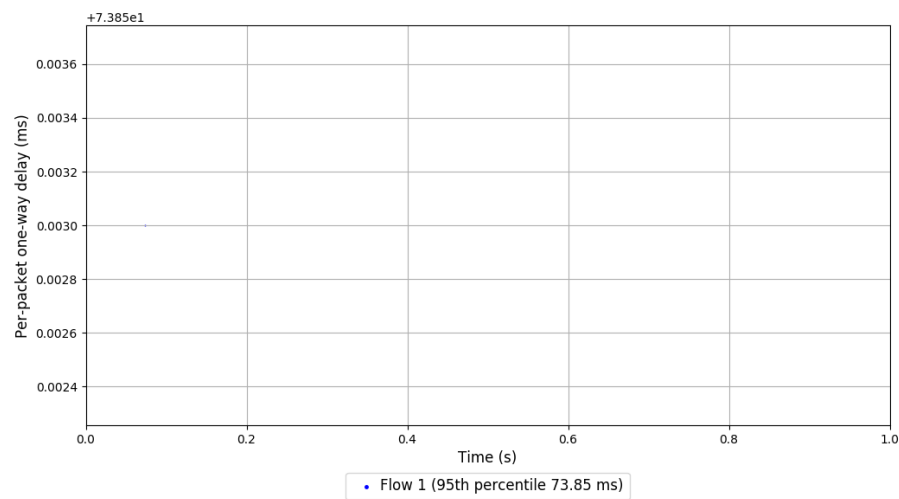
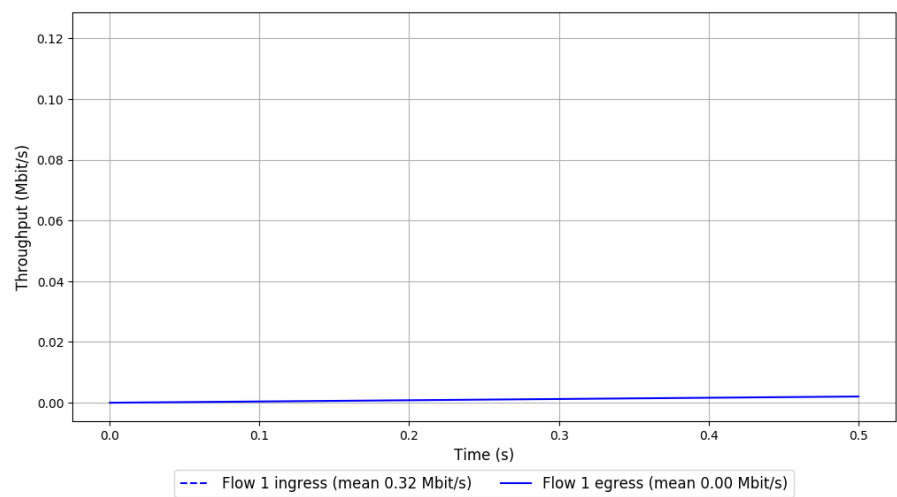
Start at: 2019-08-26 18:22:50

End at: 2019-08-26 18:23:20

Local clock offset: 18.206 ms

Remote clock offset: -9.745 ms

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

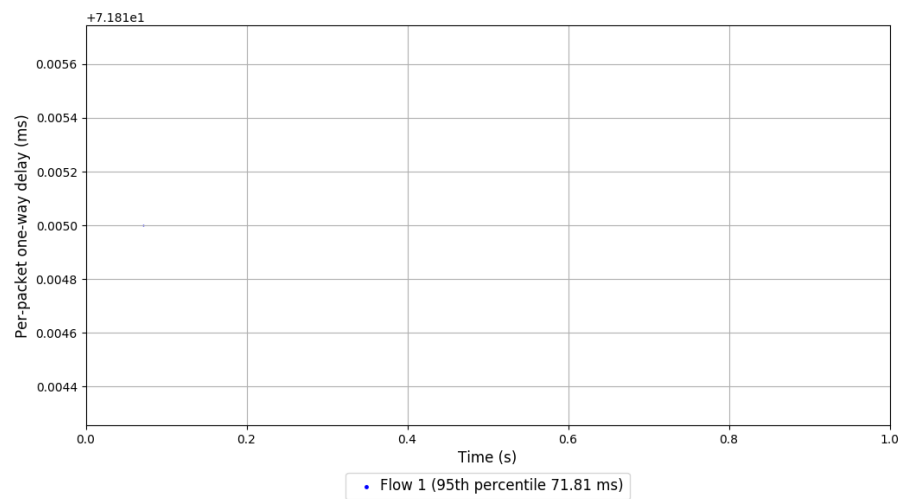
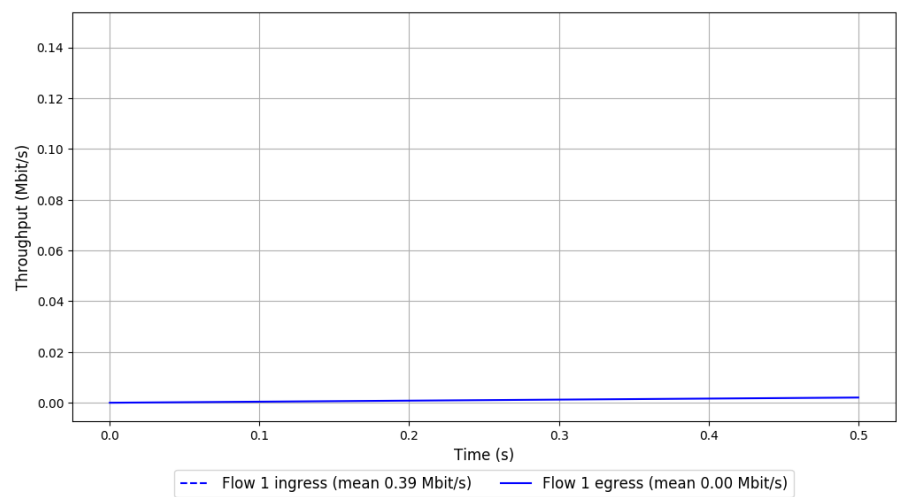
Start at: 2019-08-26 18:51:05

End at: 2019-08-26 18:51:35

Local clock offset: 8.04 ms

Remote clock offset: 48.549 ms

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

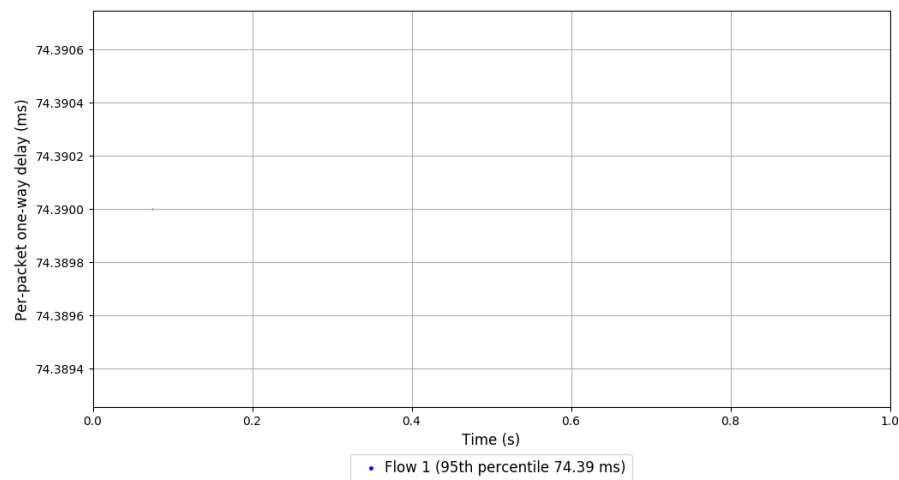
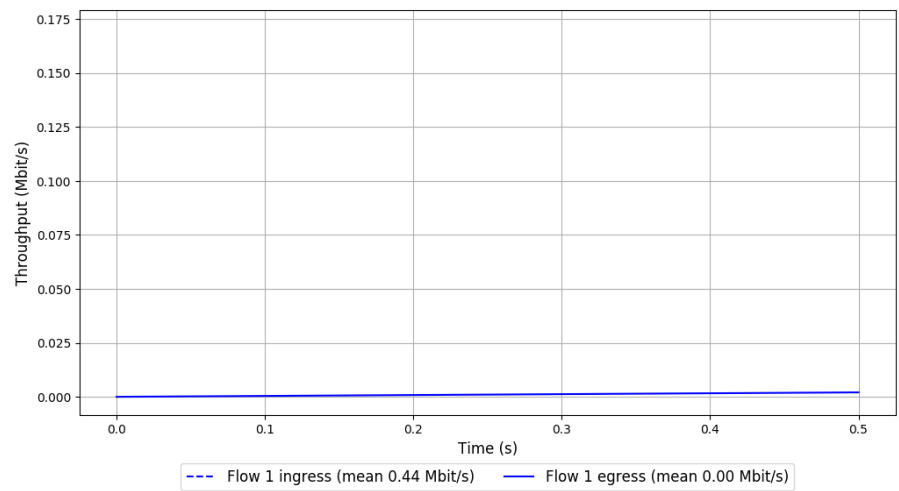
Start at: 2019-08-26 19:19:18

End at: 2019-08-26 19:19:48

Local clock offset: 6.848 ms

Remote clock offset: 86.35 ms

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

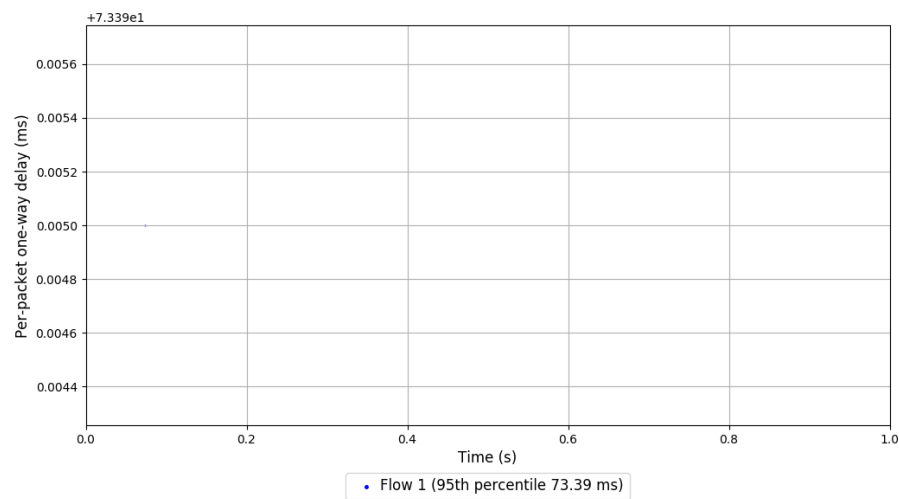
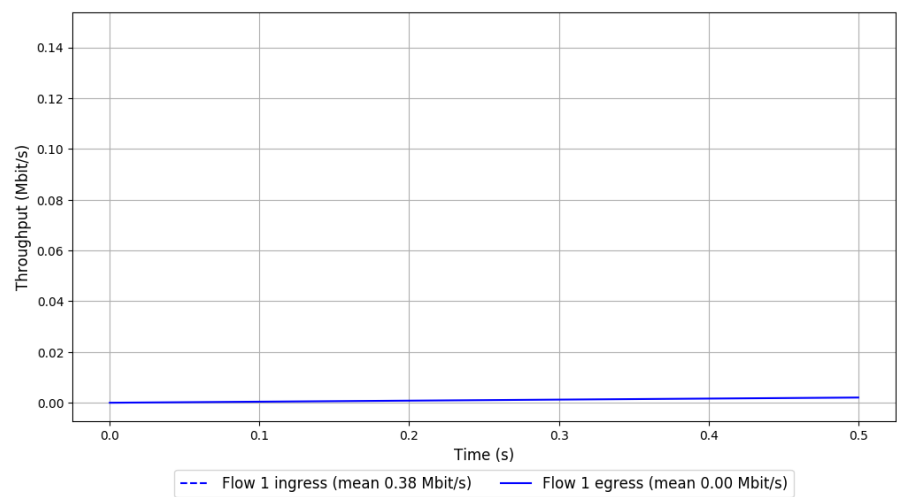
Start at: 2019-08-26 19:47:32

End at: 2019-08-26 19:48:02

Local clock offset: 3.595 ms

Remote clock offset: 121.414 ms

Run 5: Report of Copa — Data Link

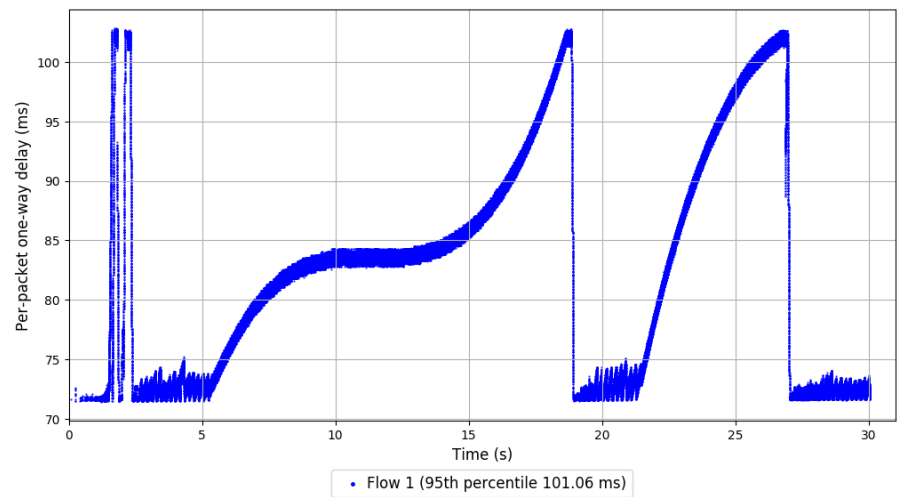
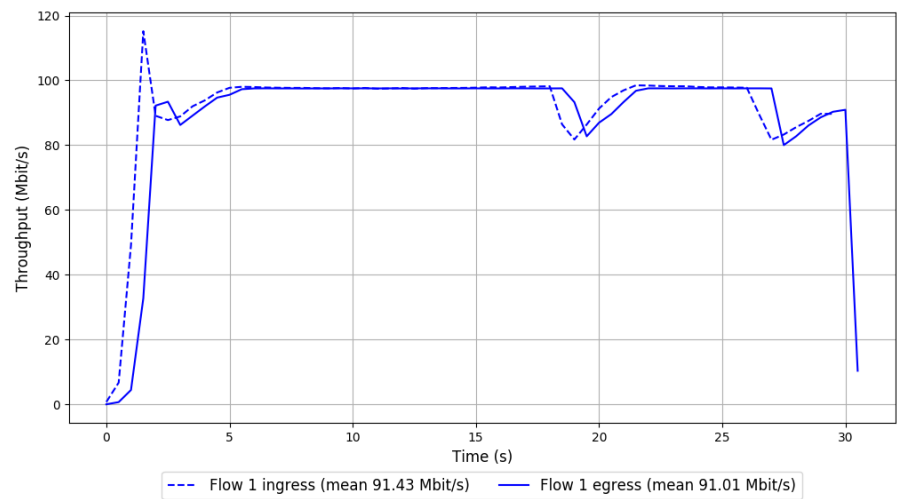


Run 1: Statistics of TCP Cubic

Start at: 2019-08-26 17:53:18
End at: 2019-08-26 17:53:48
Local clock offset: 14.242 ms
Remote clock offset: -99.054 ms

Below is generated by plot.py at 2019-08-26 20:00:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.01 Mbit/s
95th percentile per-packet one-way delay: 101.063 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 91.01 Mbit/s
95th percentile per-packet one-way delay: 101.063 ms
Loss rate: 0.46%

Run 1: Report of TCP Cubic — Data Link

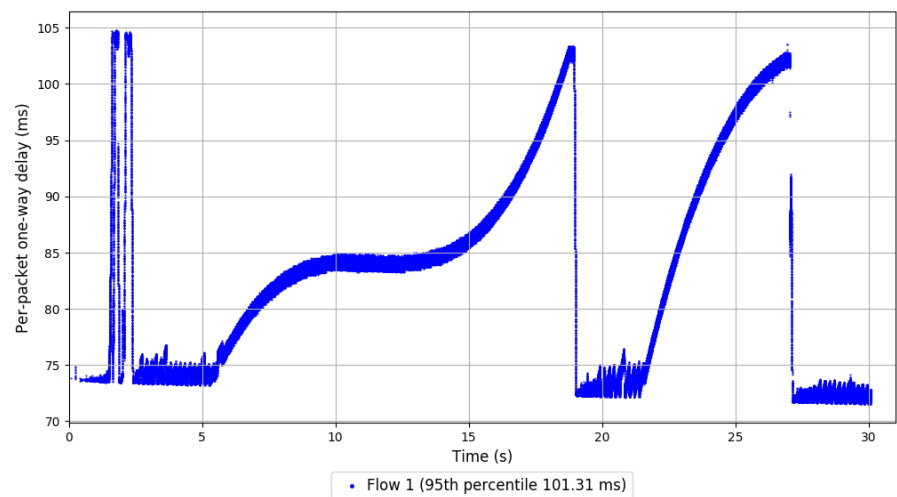
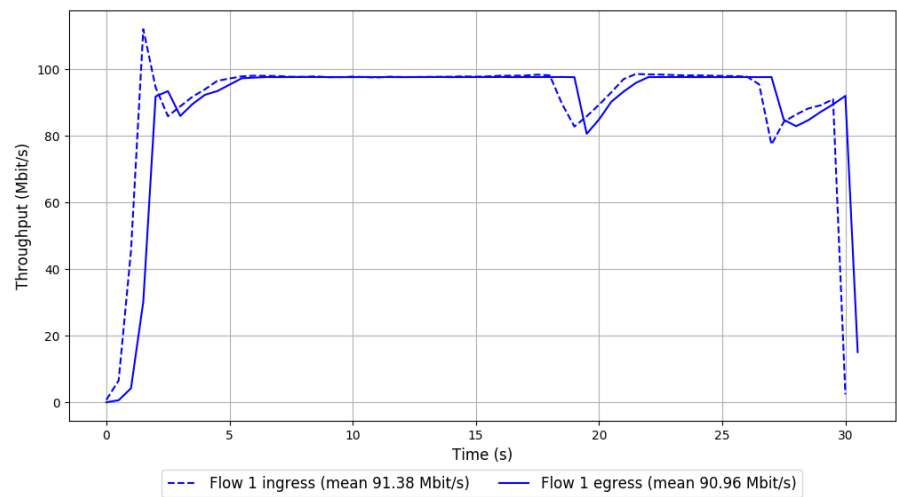


Run 2: Statistics of TCP Cubic

Start at: 2019-08-26 18:21:39
End at: 2019-08-26 18:22:09
Local clock offset: 18.693 ms
Remote clock offset: -14.139 ms

Below is generated by plot.py at 2019-08-26 20:00:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.96 Mbit/s
95th percentile per-packet one-way delay: 101.314 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 90.96 Mbit/s
95th percentile per-packet one-way delay: 101.314 ms
Loss rate: 0.46%

Run 2: Report of TCP Cubic — Data Link

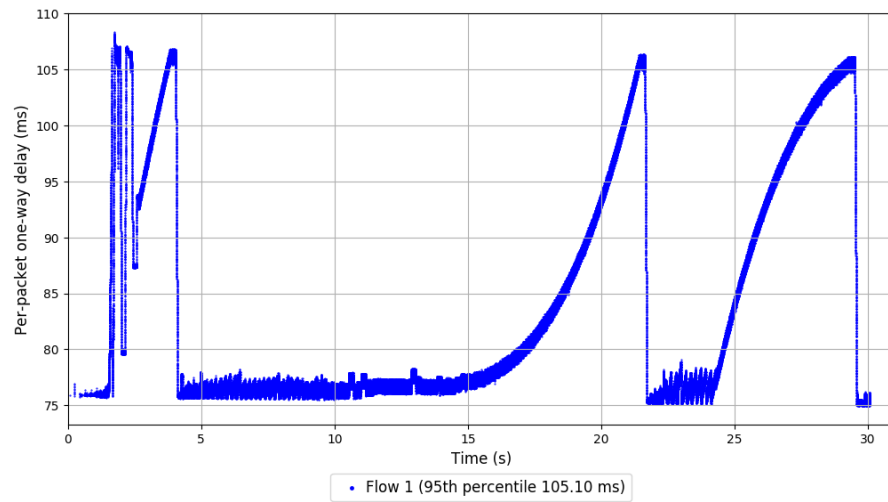
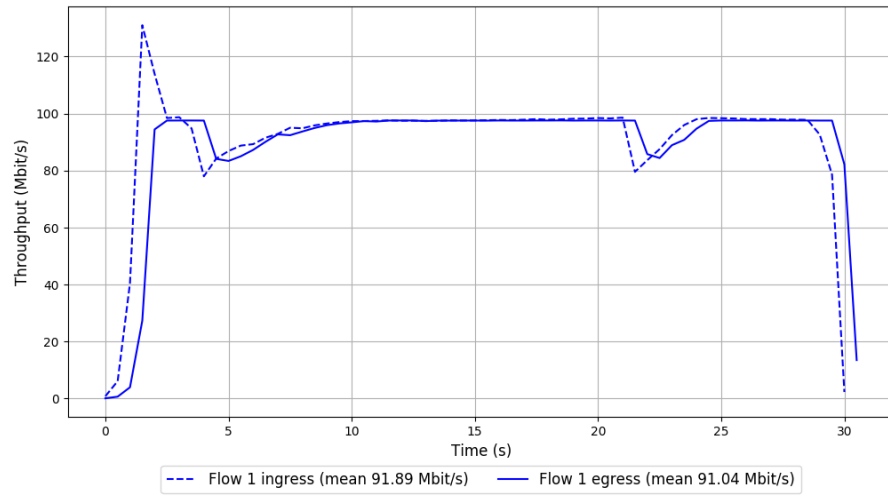


Run 3: Statistics of TCP Cubic

Start at: 2019-08-26 18:49:53
End at: 2019-08-26 18:50:23
Local clock offset: 9.171 ms
Remote clock offset: 48.058 ms

Below is generated by plot.py at 2019-08-26 20:00:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.04 Mbit/s
95th percentile per-packet one-way delay: 105.102 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 91.04 Mbit/s
95th percentile per-packet one-way delay: 105.102 ms
Loss rate: 0.94%

Run 3: Report of TCP Cubic — Data Link

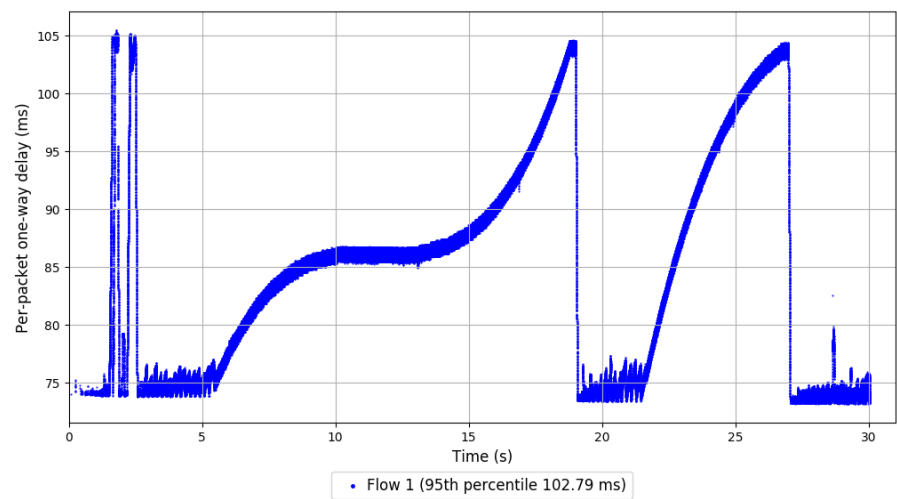
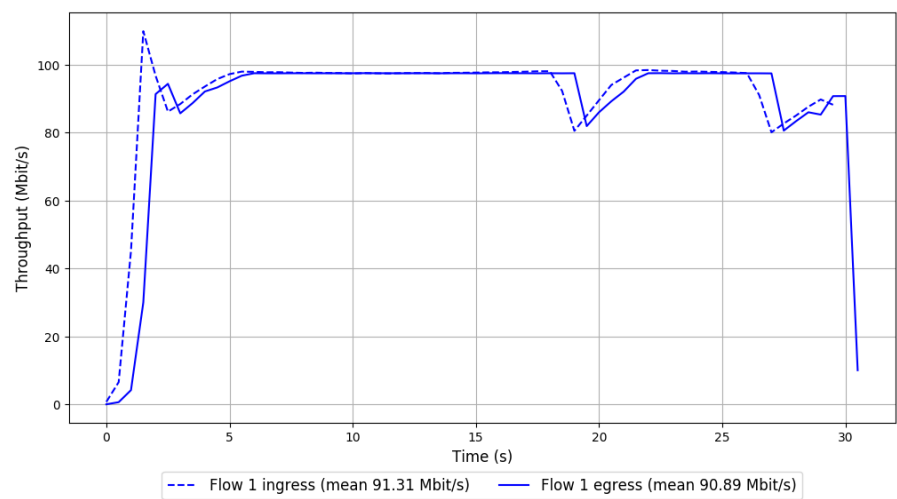


Run 4: Statistics of TCP Cubic

Start at: 2019-08-26 19:18:06
End at: 2019-08-26 19:18:36
Local clock offset: 6.225 ms
Remote clock offset: 84.163 ms

Below is generated by plot.py at 2019-08-26 20:01:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.89 Mbit/s
95th percentile per-packet one-way delay: 102.789 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 90.89 Mbit/s
95th percentile per-packet one-way delay: 102.789 ms
Loss rate: 0.46%

Run 4: Report of TCP Cubic — Data Link

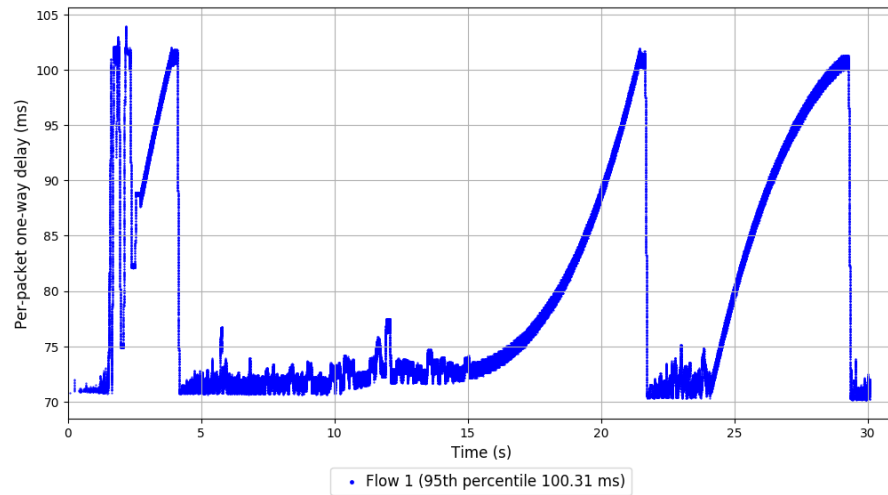
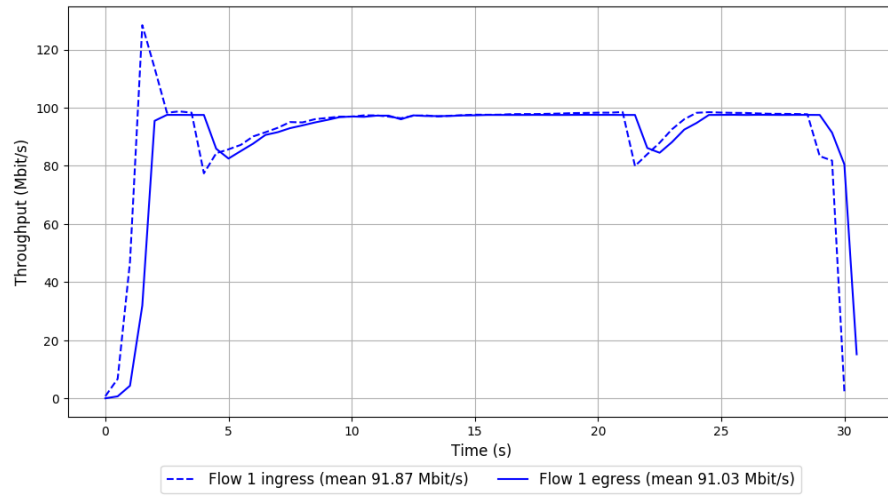


Run 5: Statistics of TCP Cubic

Start at: 2019-08-26 19:46:20
End at: 2019-08-26 19:46:50
Local clock offset: 3.579 ms
Remote clock offset: 119.416 ms

Below is generated by plot.py at 2019-08-26 20:01:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.03 Mbit/s
95th percentile per-packet one-way delay: 100.306 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 91.03 Mbit/s
95th percentile per-packet one-way delay: 100.306 ms
Loss rate: 0.91%

Run 5: Report of TCP Cubic — Data Link

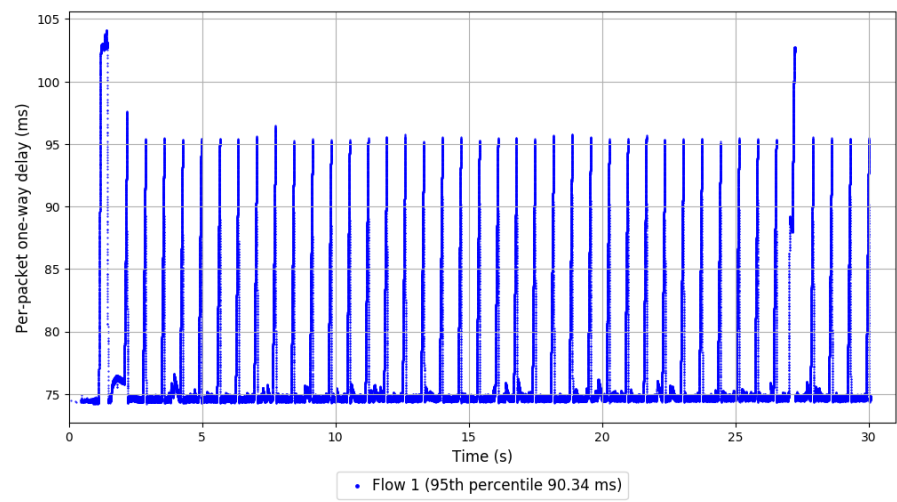
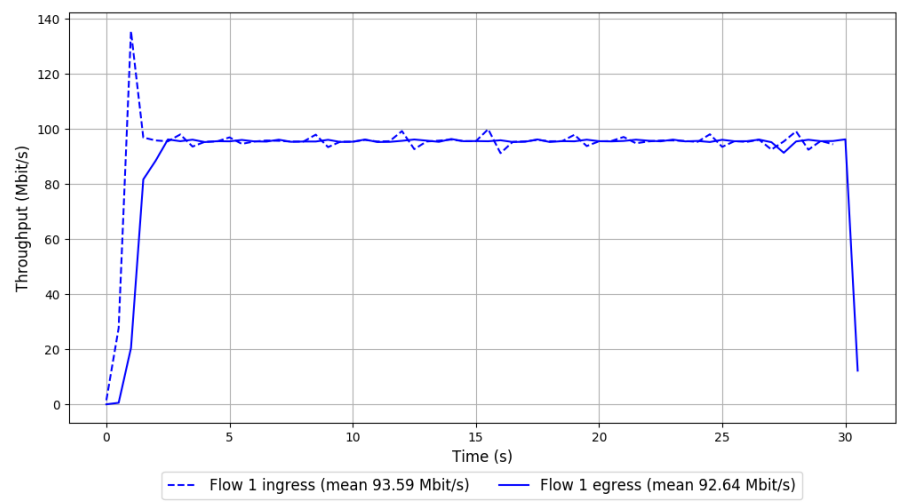


Run 1: Statistics of FillP

Start at: 2019-08-26 17:49:48
End at: 2019-08-26 17:50:18
Local clock offset: 15.037 ms
Remote clock offset: -96.191 ms

Below is generated by plot.py at 2019-08-26 20:01:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.64 Mbit/s
95th percentile per-packet one-way delay: 90.341 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 92.64 Mbit/s
95th percentile per-packet one-way delay: 90.341 ms
Loss rate: 1.02%

Run 1: Report of FillP — Data Link

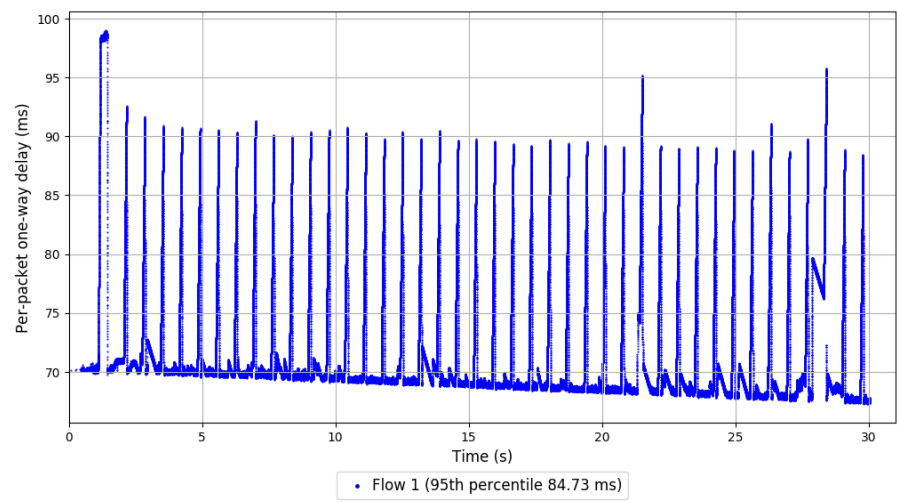
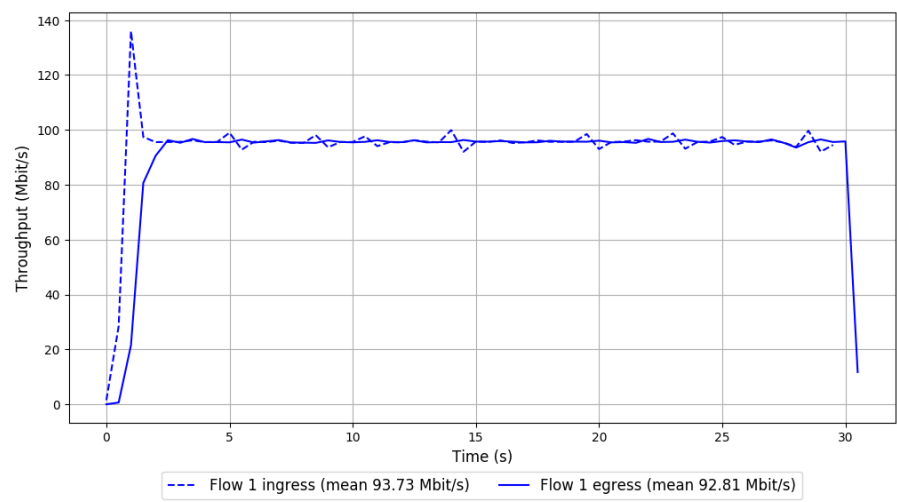


Run 2: Statistics of FillP

Start at: 2019-08-26 18:18:08
End at: 2019-08-26 18:18:38
Local clock offset: 17.175 ms
Remote clock offset: -34.405 ms

Below is generated by plot.py at 2019-08-26 20:01:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.81 Mbit/s
95th percentile per-packet one-way delay: 84.733 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 92.81 Mbit/s
95th percentile per-packet one-way delay: 84.733 ms
Loss rate: 0.99%

Run 2: Report of FillP — Data Link

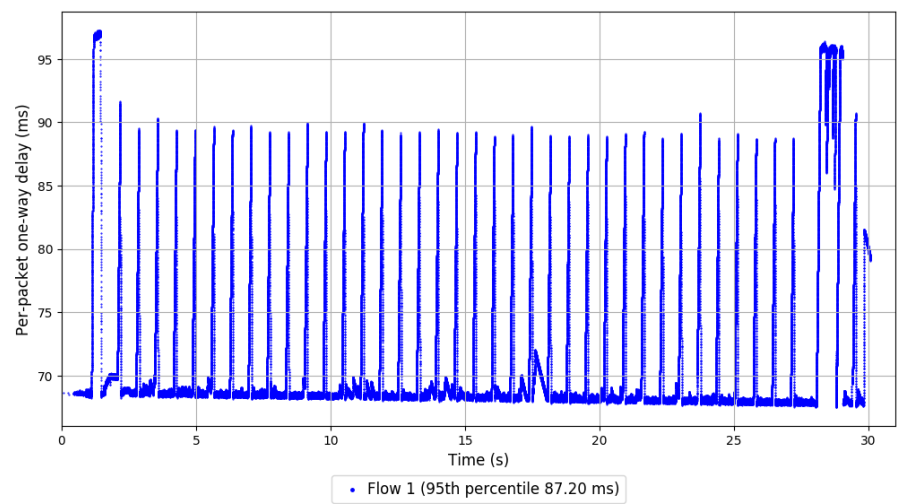
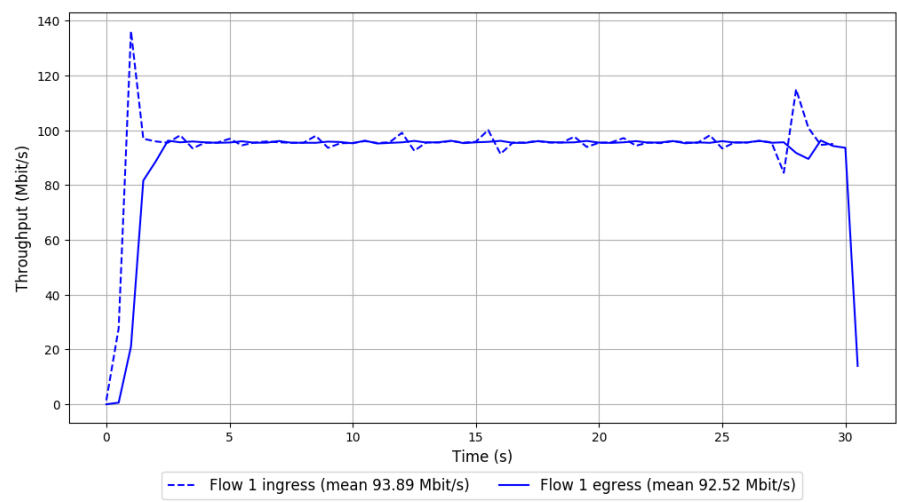


Run 3: Statistics of FillP

Start at: 2019-08-26 18:46:23
End at: 2019-08-26 18:46:53
Local clock offset: 10.179 ms
Remote clock offset: 38.341 ms

Below is generated by plot.py at 2019-08-26 20:01:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.52 Mbit/s
95th percentile per-packet one-way delay: 87.200 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 92.52 Mbit/s
95th percentile per-packet one-way delay: 87.200 ms
Loss rate: 1.43%

Run 3: Report of FillP — Data Link

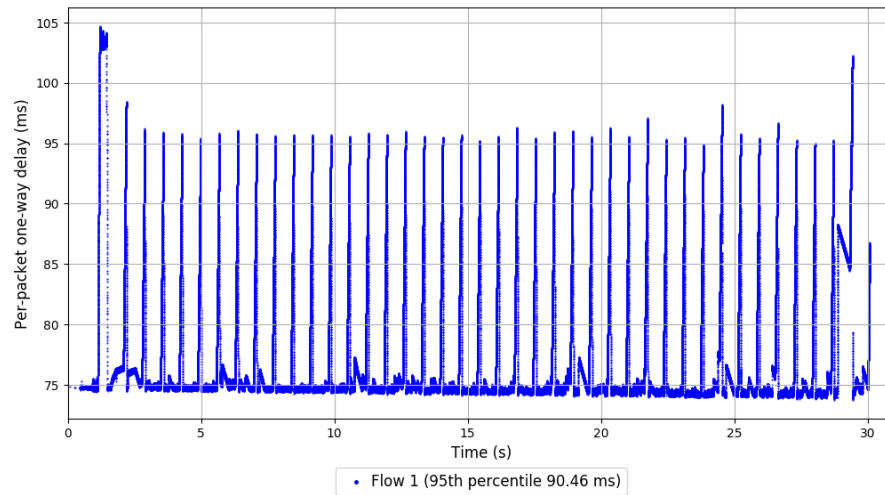
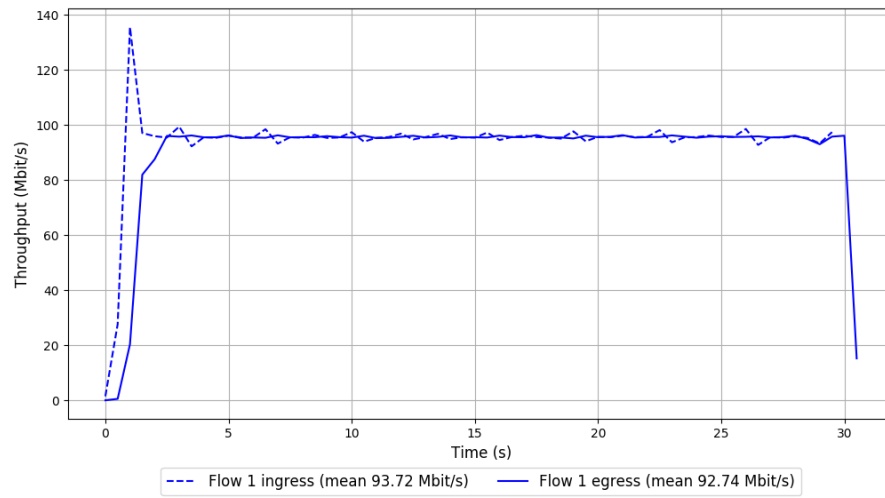


Run 4: Statistics of FillP

Start at: 2019-08-26 19:14:36
End at: 2019-08-26 19:15:06
Local clock offset: 7.133 ms
Remote clock offset: 80.529 ms

Below is generated by plot.py at 2019-08-26 20:01:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.74 Mbit/s
95th percentile per-packet one-way delay: 90.457 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 92.74 Mbit/s
95th percentile per-packet one-way delay: 90.457 ms
Loss rate: 1.01%

Run 4: Report of FillP — Data Link

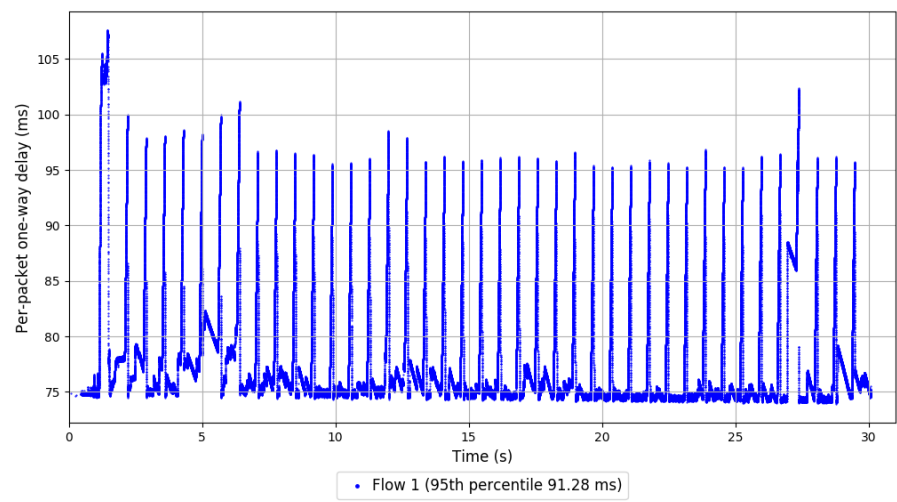
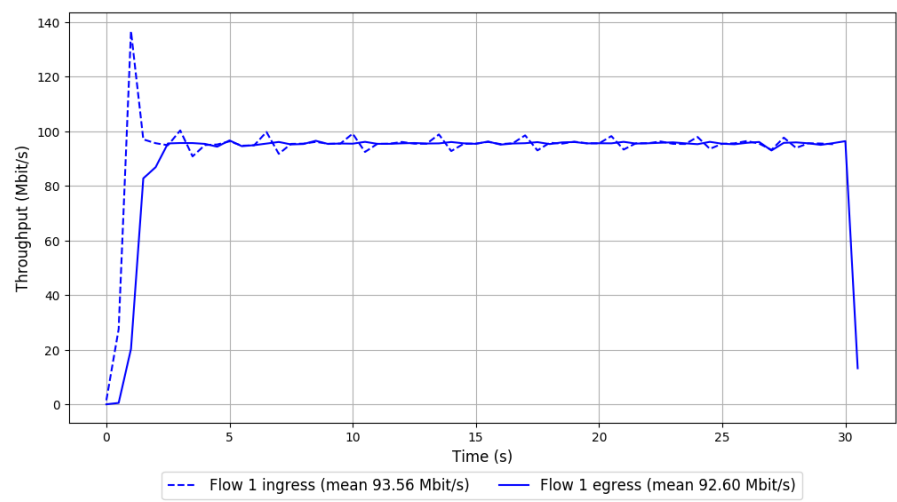


Run 5: Statistics of FillP

Start at: 2019-08-26 19:42:50
End at: 2019-08-26 19:43:20
Local clock offset: 2.884 ms
Remote clock offset: 116.399 ms

Below is generated by plot.py at 2019-08-26 20:01:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.60 Mbit/s
95th percentile per-packet one-way delay: 91.282 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 92.60 Mbit/s
95th percentile per-packet one-way delay: 91.282 ms
Loss rate: 1.03%

Run 5: Report of FillP — Data Link

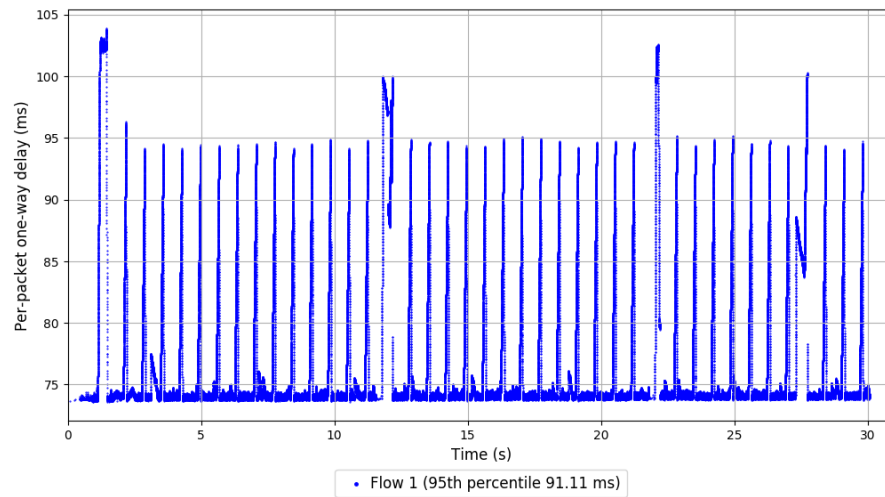
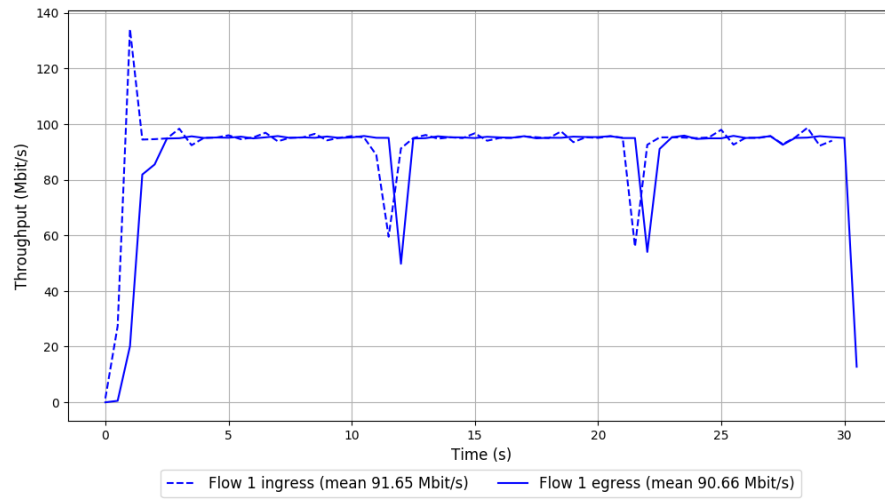


Run 1: Statistics of FillP-Sheep

Start at: 2019-08-26 17:50:59
End at: 2019-08-26 17:51:29
Local clock offset: 14.979 ms
Remote clock offset: -97.136 ms

Below is generated by plot.py at 2019-08-26 20:01:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.66 Mbit/s
95th percentile per-packet one-way delay: 91.112 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 90.66 Mbit/s
95th percentile per-packet one-way delay: 91.112 ms
Loss rate: 1.08%

Run 1: Report of FillP-Sheep — Data Link

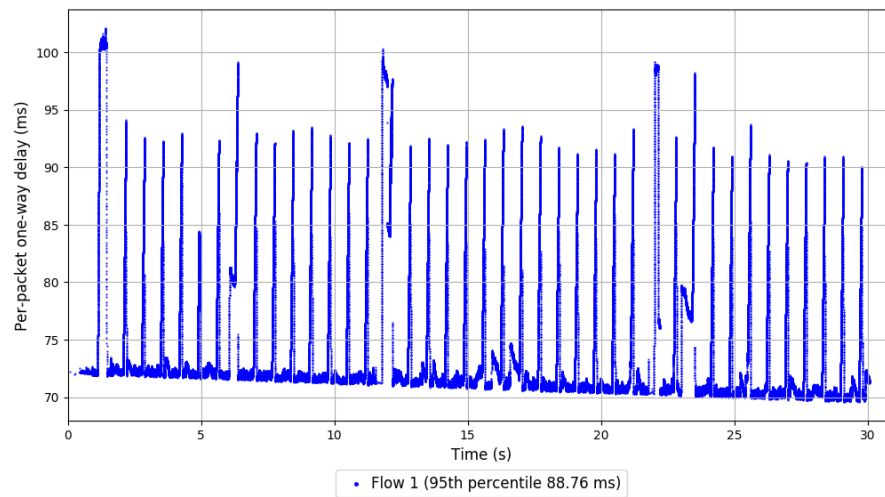
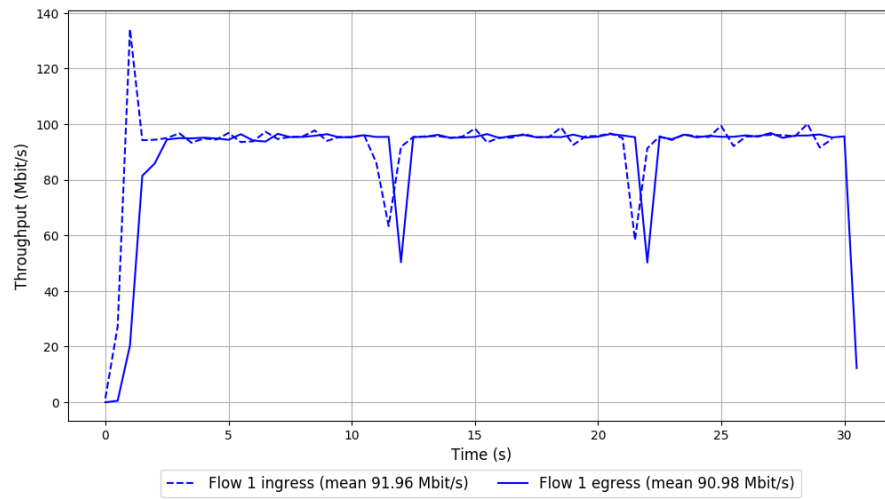


Run 2: Statistics of FillP-Sheep

Start at: 2019-08-26 18:19:20
End at: 2019-08-26 18:19:50
Local clock offset: 18.237 ms
Remote clock offset: -26.625 ms

Below is generated by plot.py at 2019-08-26 20:02:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.98 Mbit/s
95th percentile per-packet one-way delay: 88.758 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 90.98 Mbit/s
95th percentile per-packet one-way delay: 88.758 ms
Loss rate: 1.08%

Run 2: Report of FillP-Sheep — Data Link

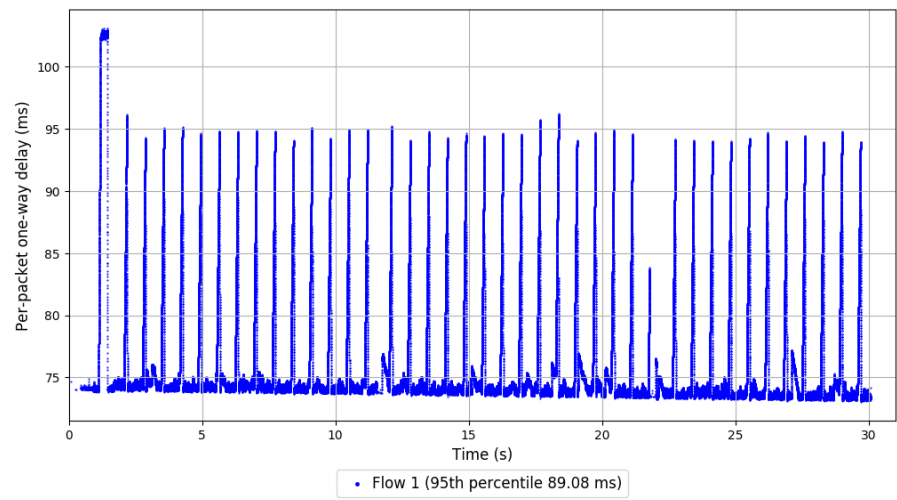
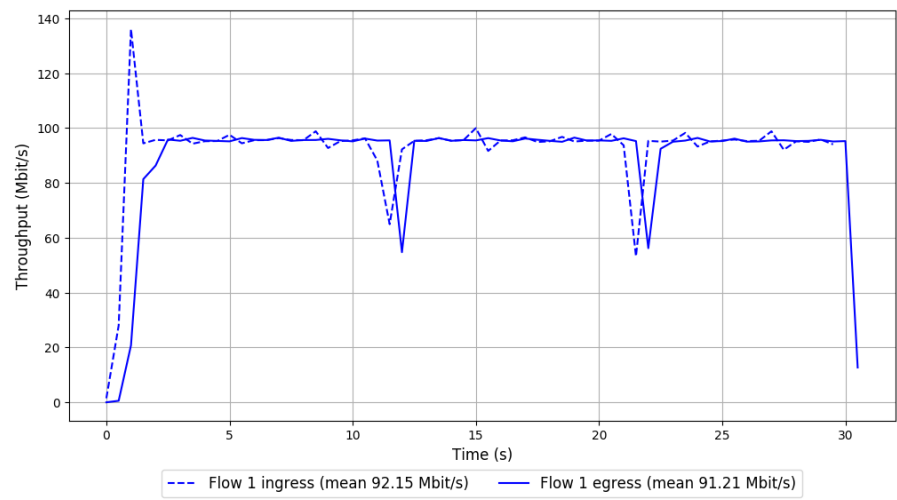


Run 3: Statistics of FillP-Sheep

Start at: 2019-08-26 18:47:34
End at: 2019-08-26 18:48:05
Local clock offset: 9.044 ms
Remote clock offset: 44.934 ms

Below is generated by plot.py at 2019-08-26 20:02:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.21 Mbit/s
95th percentile per-packet one-way delay: 89.078 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 91.21 Mbit/s
95th percentile per-packet one-way delay: 89.078 ms
Loss rate: 1.03%

Run 3: Report of FillP-Sheep — Data Link

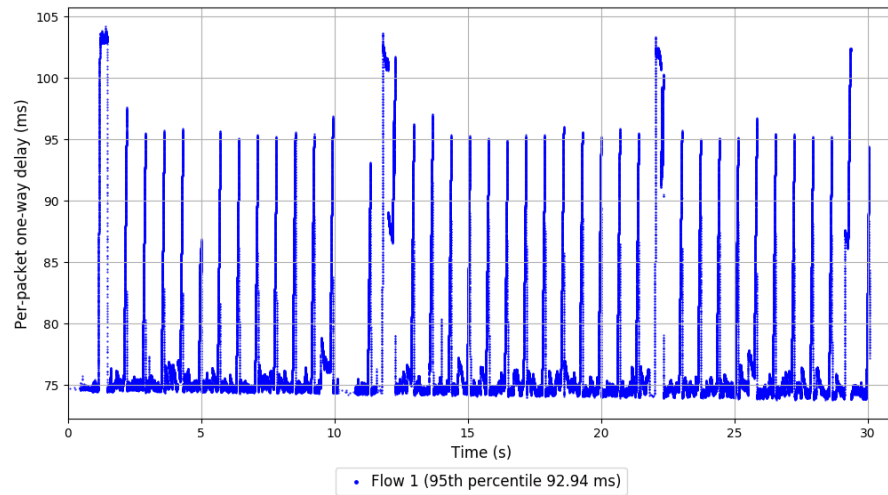
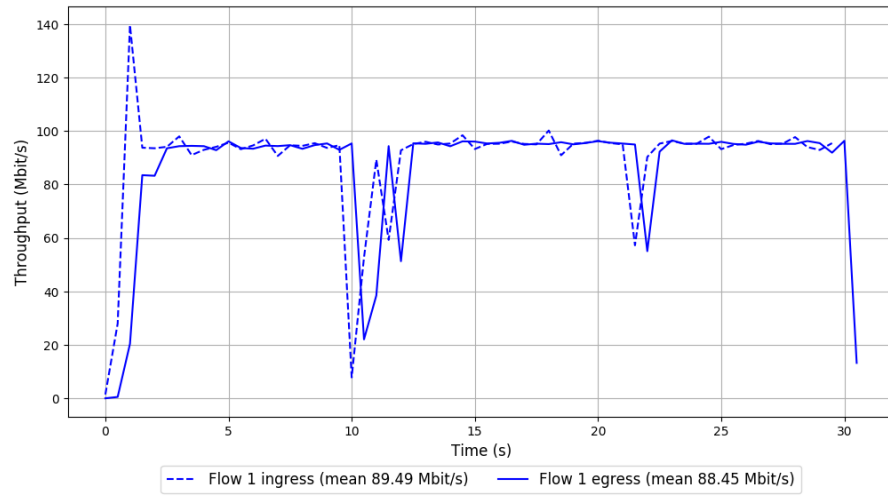


Run 4: Statistics of FillP-Sheep

Start at: 2019-08-26 19:15:47
End at: 2019-08-26 19:16:17
Local clock offset: 7.619 ms
Remote clock offset: 80.937 ms

Below is generated by plot.py at 2019-08-26 20:02:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.45 Mbit/s
95th percentile per-packet one-way delay: 92.939 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 88.45 Mbit/s
95th percentile per-packet one-way delay: 92.939 ms
Loss rate: 1.16%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-08-26 19:44:01

End at: 2019-08-26 19:44:31

Local clock offset: 2.895 ms

Remote clock offset: 116.875 ms

Below is generated by plot.py at 2019-08-26 20:02:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.13 Mbit/s

95th percentile per-packet one-way delay: 89.212 ms

Loss rate: 1.01%

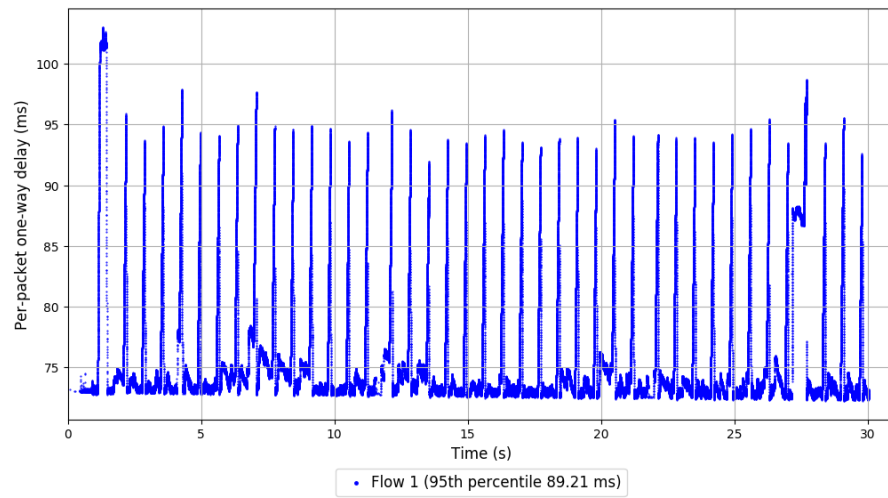
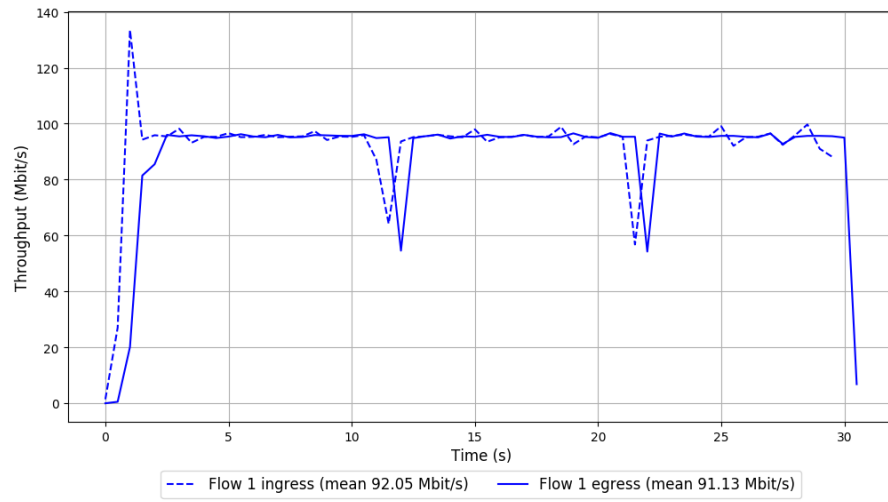
-- Flow 1:

Average throughput: 91.13 Mbit/s

95th percentile per-packet one-way delay: 89.212 ms

Loss rate: 1.01%

Run 5: Report of FillP-Sheep — Data Link

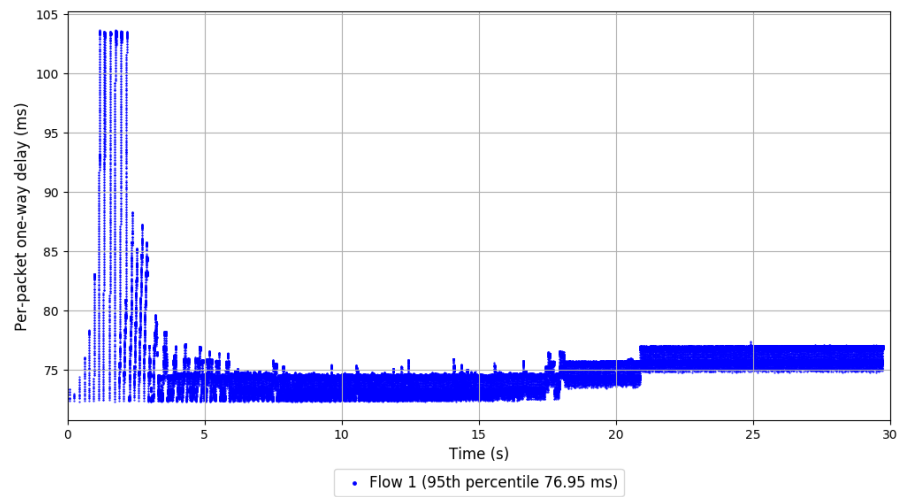
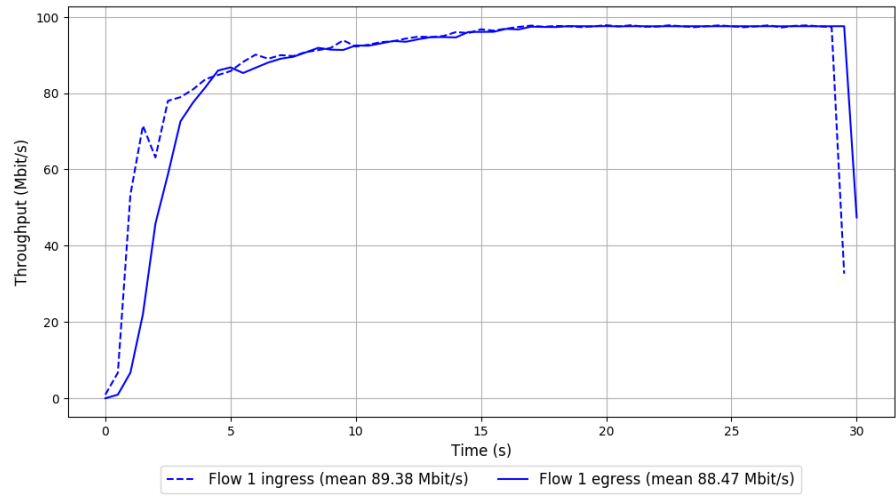


Run 1: Statistics of Indigo

Start at: 2019-08-26 18:01:25
End at: 2019-08-26 18:01:55
Local clock offset: 15.421 ms
Remote clock offset: -99.907 ms

Below is generated by plot.py at 2019-08-26 20:02:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.47 Mbit/s
95th percentile per-packet one-way delay: 76.955 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 88.47 Mbit/s
95th percentile per-packet one-way delay: 76.955 ms
Loss rate: 1.00%

Run 1: Report of Indigo — Data Link

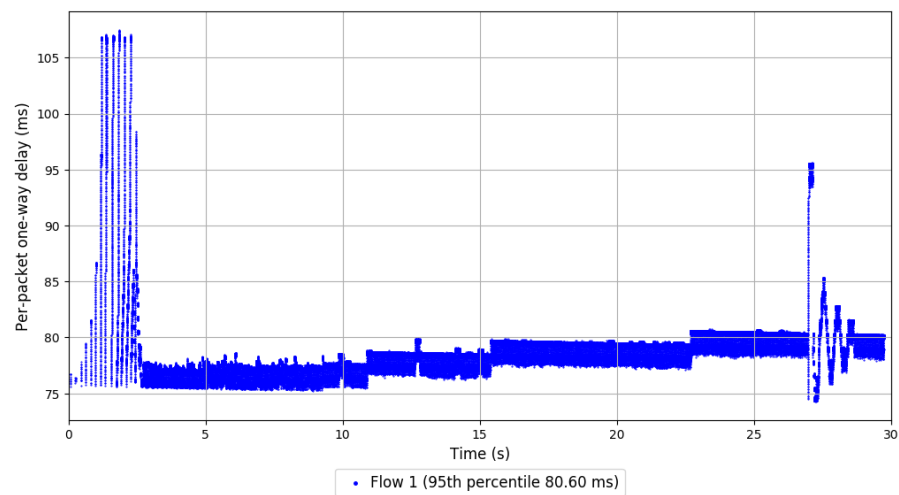
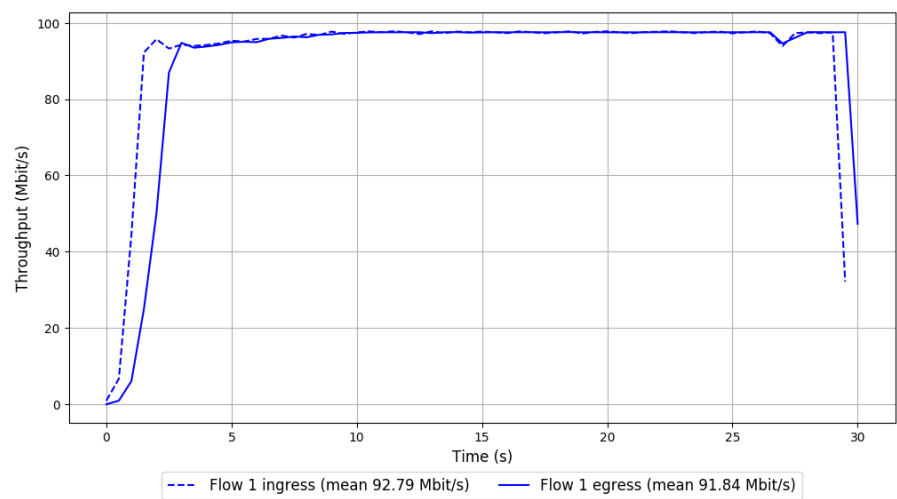


Run 2: Statistics of Indigo

Start at: 2019-08-26 18:29:46
End at: 2019-08-26 18:30:16
Local clock offset: 17.512 ms
Remote clock offset: 12.593 ms

Below is generated by plot.py at 2019-08-26 20:02:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.84 Mbit/s
95th percentile per-packet one-way delay: 80.603 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 91.84 Mbit/s
95th percentile per-packet one-way delay: 80.603 ms
Loss rate: 1.02%

Run 2: Report of Indigo — Data Link

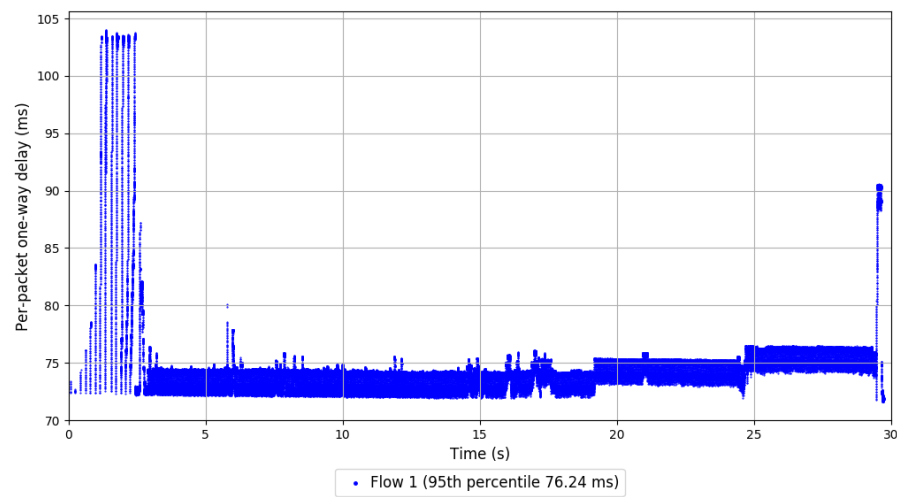
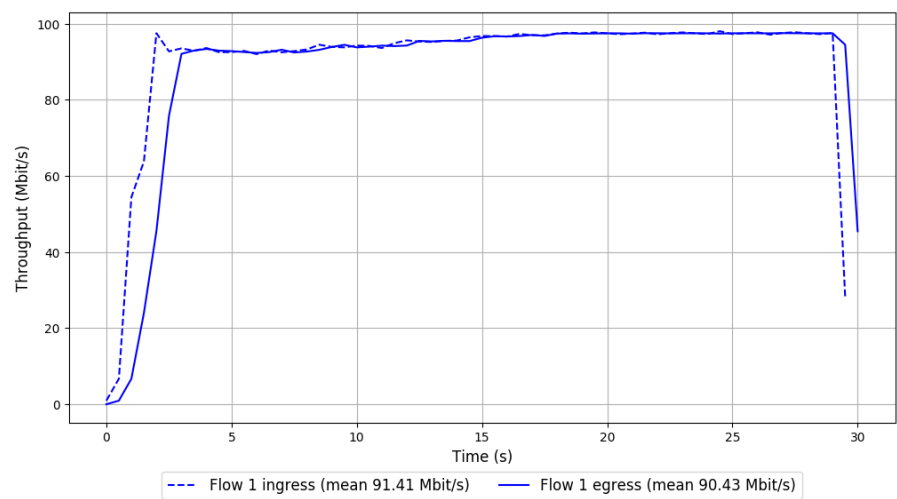


Run 3: Statistics of Indigo

Start at: 2019-08-26 18:58:01
End at: 2019-08-26 18:58:31
Local clock offset: 7.831 ms
Remote clock offset: 57.317 ms

Below is generated by plot.py at 2019-08-26 20:02:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.43 Mbit/s
95th percentile per-packet one-way delay: 76.243 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 90.43 Mbit/s
95th percentile per-packet one-way delay: 76.243 ms
Loss rate: 1.08%

Run 3: Report of Indigo — Data Link

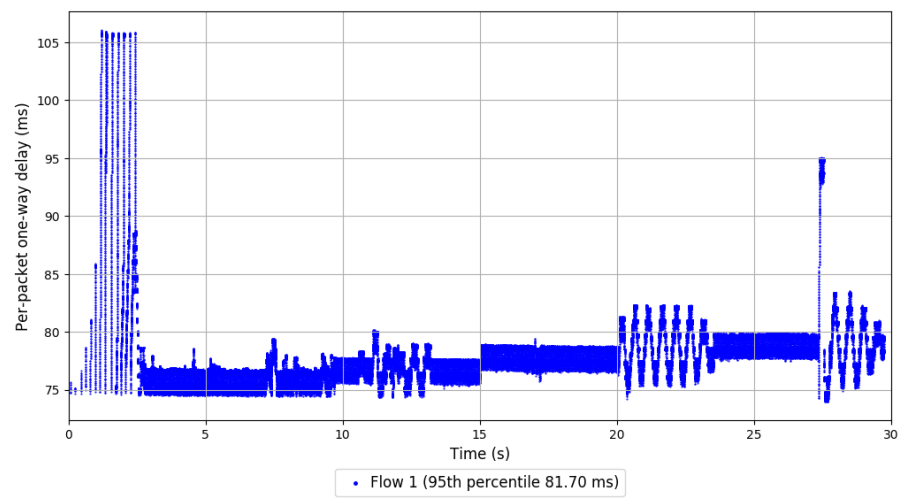
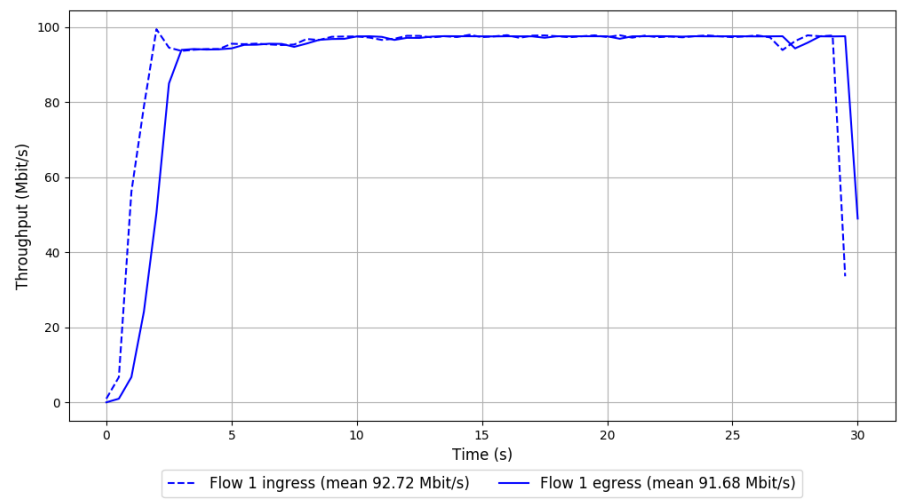


Run 4: Statistics of Indigo

Start at: 2019-08-26 19:26:13
End at: 2019-08-26 19:26:43
Local clock offset: 4.561 ms
Remote clock offset: 95.252 ms

Below is generated by plot.py at 2019-08-26 20:02:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.68 Mbit/s
95th percentile per-packet one-way delay: 81.696 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 91.68 Mbit/s
95th percentile per-packet one-way delay: 81.696 ms
Loss rate: 1.12%

Run 4: Report of Indigo — Data Link

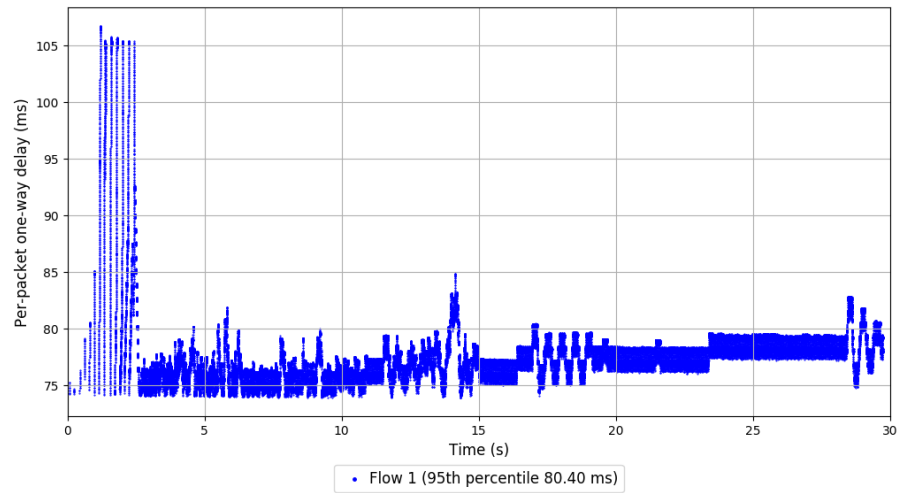
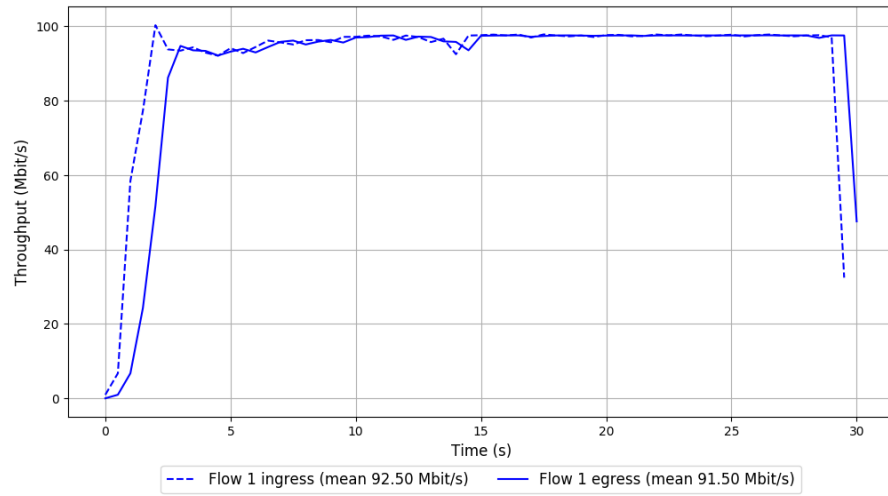


Run 5: Statistics of Indigo

Start at: 2019-08-26 19:54:28
End at: 2019-08-26 19:54:58
Local clock offset: 2.889 ms
Remote clock offset: 130.833 ms

Below is generated by plot.py at 2019-08-26 20:03:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.50 Mbit/s
95th percentile per-packet one-way delay: 80.403 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 91.50 Mbit/s
95th percentile per-packet one-way delay: 80.403 ms
Loss rate: 1.08%

Run 5: Report of Indigo — Data Link

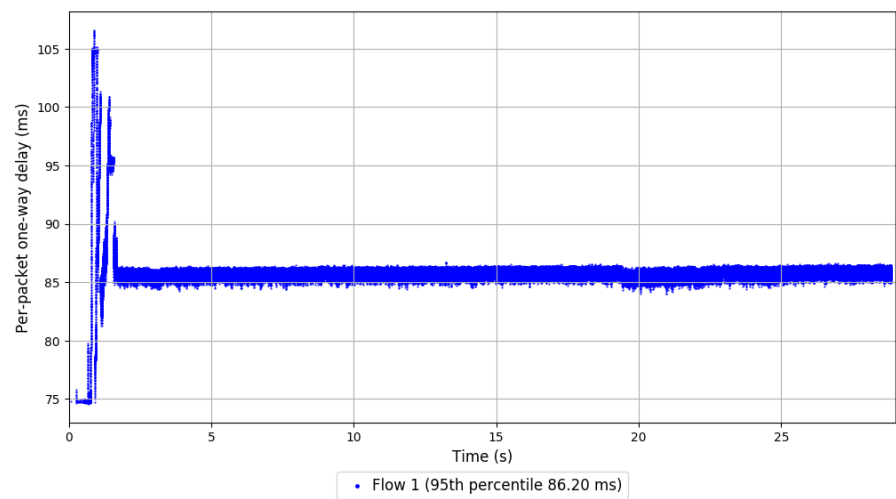
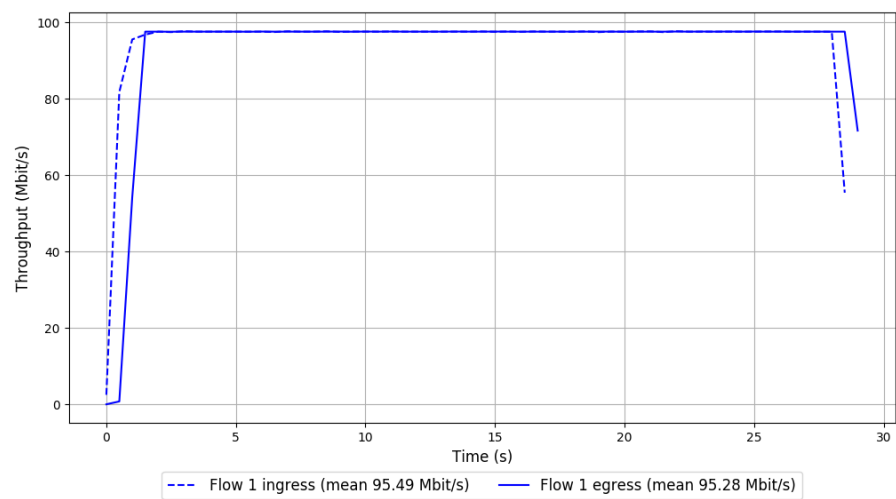


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-08-26 17:42:39
End at: 2019-08-26 17:43:09
Local clock offset: 14.292 ms
Remote clock offset: -94.528 ms

Below is generated by plot.py at 2019-08-26 20:03:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.28 Mbit/s
95th percentile per-packet one-way delay: 86.196 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 95.28 Mbit/s
95th percentile per-packet one-way delay: 86.196 ms
Loss rate: 0.19%

Run 1: Report of Indigo-MusesC3 — Data Link

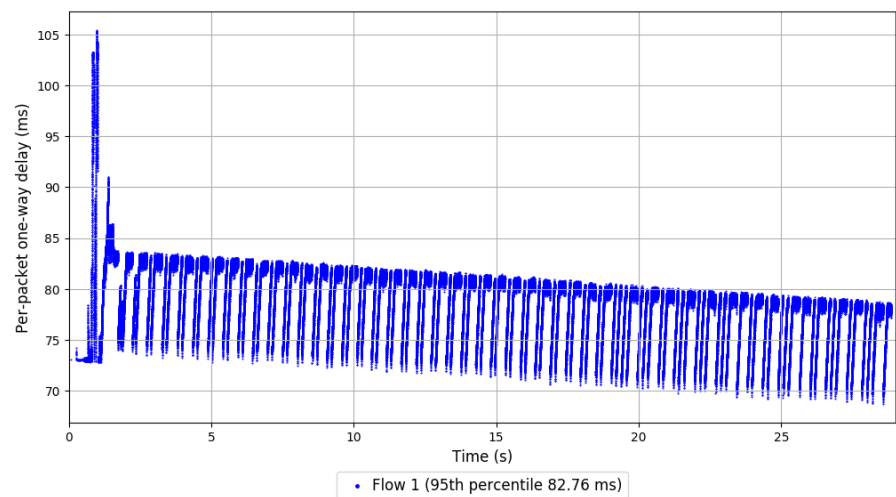
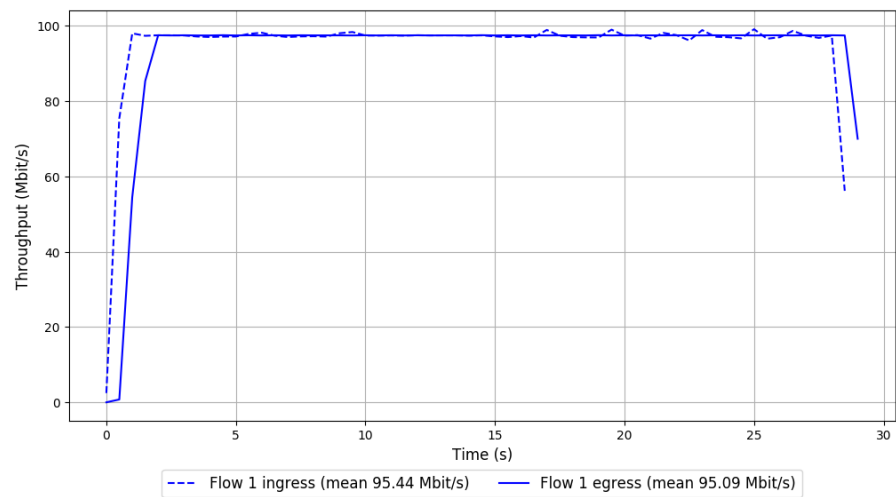


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-08-26 18:10:59
End at: 2019-08-26 18:11:29
Local clock offset: 15.848 ms
Remote clock offset: -95.569 ms

Below is generated by plot.py at 2019-08-26 20:03:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.09 Mbit/s
95th percentile per-packet one-way delay: 82.760 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 95.09 Mbit/s
95th percentile per-packet one-way delay: 82.760 ms
Loss rate: 0.36%

Run 2: Report of Indigo-MusesC3 — Data Link

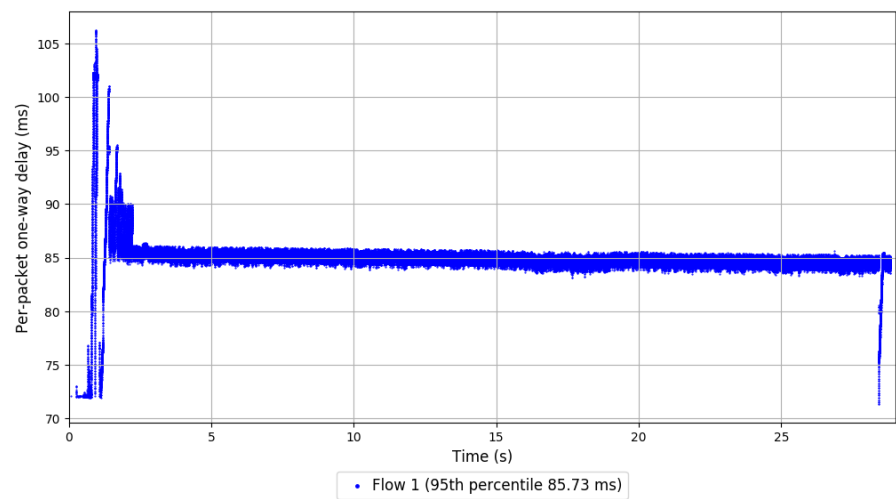
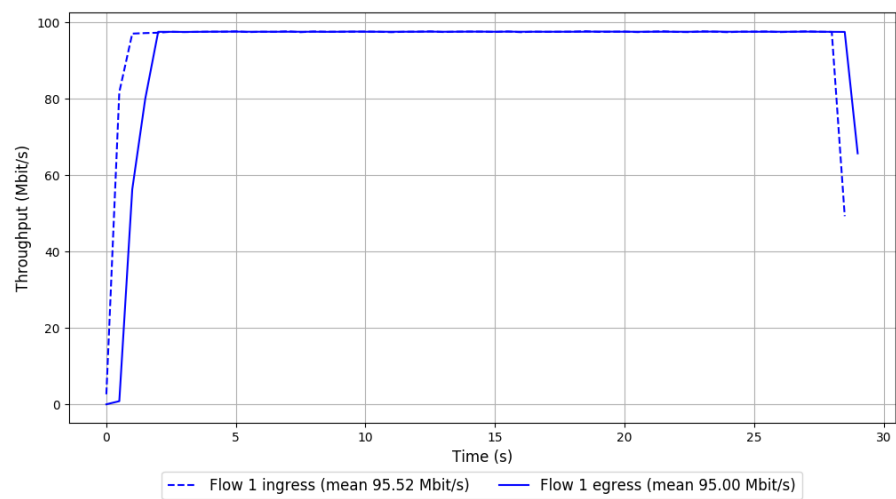


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-08-26 18:39:13
End at: 2019-08-26 18:39:43
Local clock offset: 12.187 ms
Remote clock offset: 31.074 ms

Below is generated by plot.py at 2019-08-26 20:03:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.00 Mbit/s
95th percentile per-packet one-way delay: 85.731 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 95.00 Mbit/s
95th percentile per-packet one-way delay: 85.731 ms
Loss rate: 0.50%

Run 3: Report of Indigo-MusesC3 — Data Link

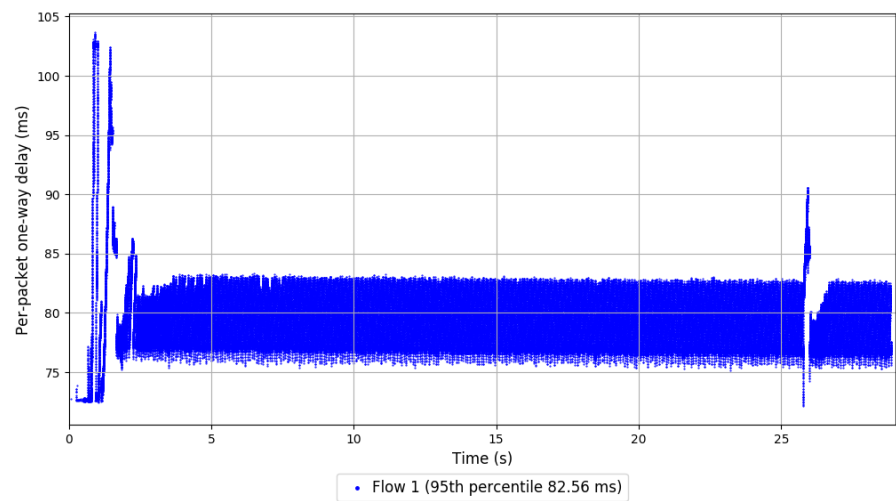
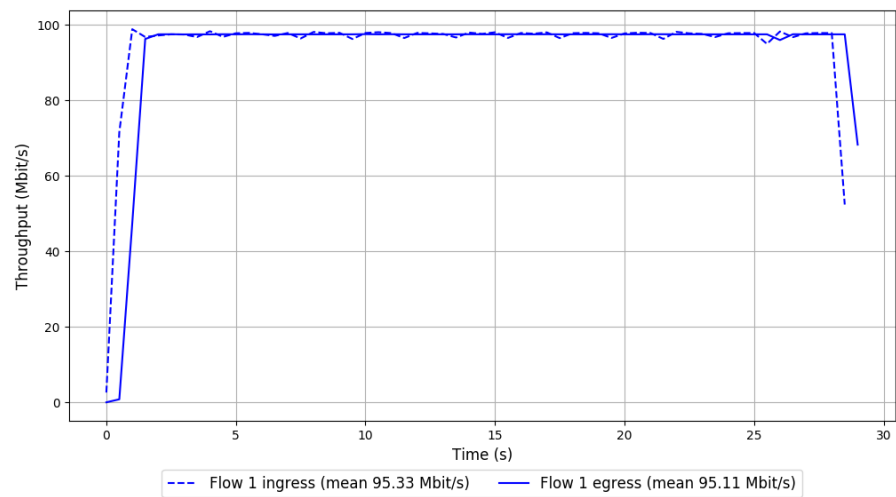


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-08-26 19:07:27
End at: 2019-08-26 19:07:57
Local clock offset: 6.906 ms
Remote clock offset: 70.684 ms

Below is generated by plot.py at 2019-08-26 20:03:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.11 Mbit/s
95th percentile per-packet one-way delay: 82.556 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 95.11 Mbit/s
95th percentile per-packet one-way delay: 82.556 ms
Loss rate: 0.21%

Run 4: Report of Indigo-MusesC3 — Data Link

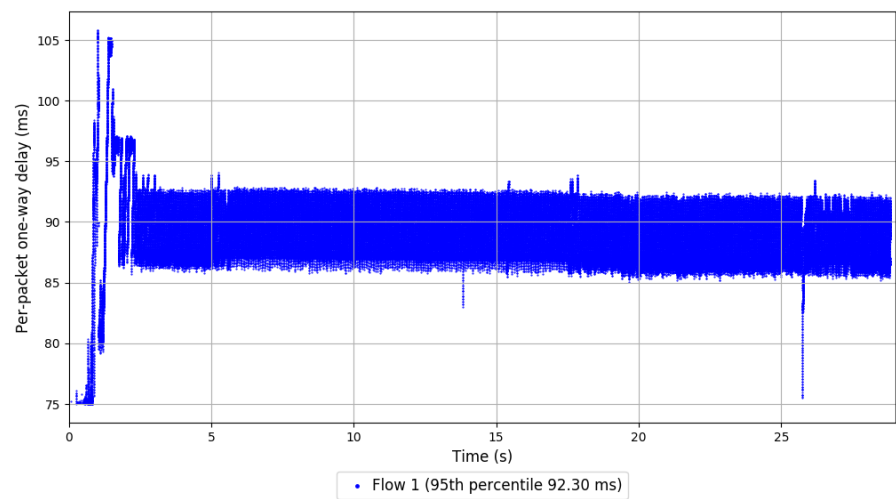
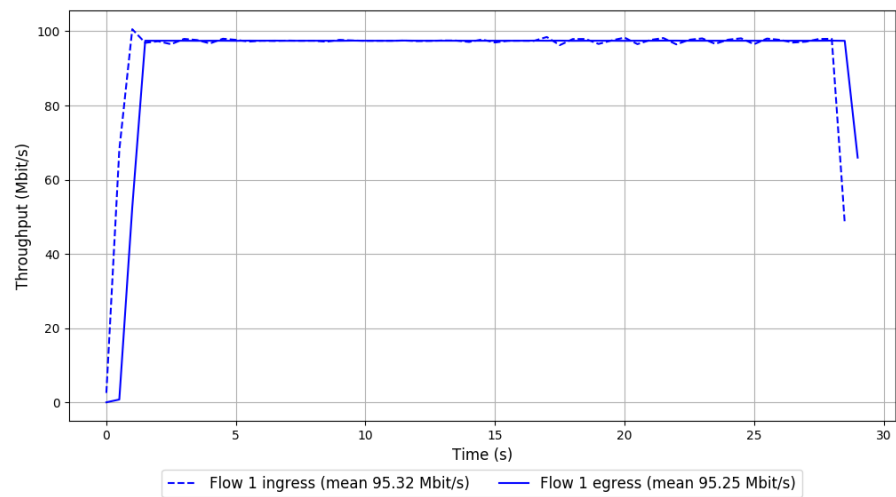


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-08-26 19:35:39
End at: 2019-08-26 19:36:09
Local clock offset: 3.69 ms
Remote clock offset: 107.711 ms

Below is generated by plot.py at 2019-08-26 20:03:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.25 Mbit/s
95th percentile per-packet one-way delay: 92.296 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 95.25 Mbit/s
95th percentile per-packet one-way delay: 92.296 ms
Loss rate: 0.04%

Run 5: Report of Indigo-MusesC3 — Data Link

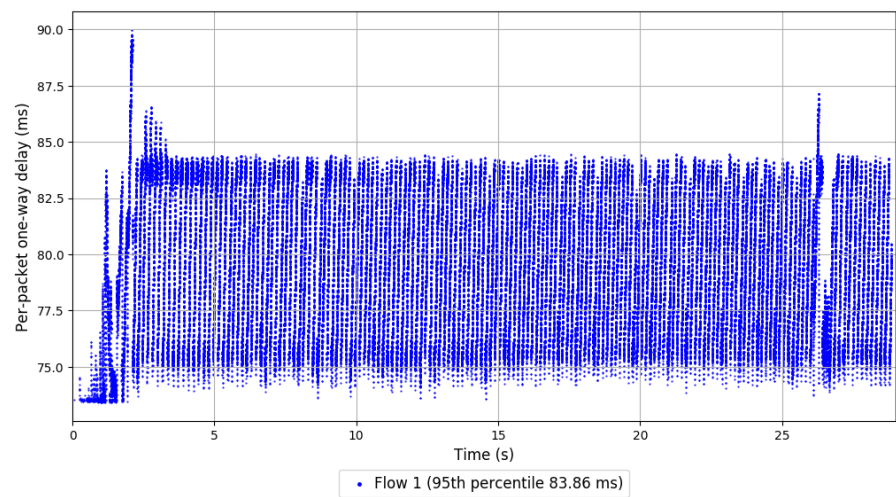
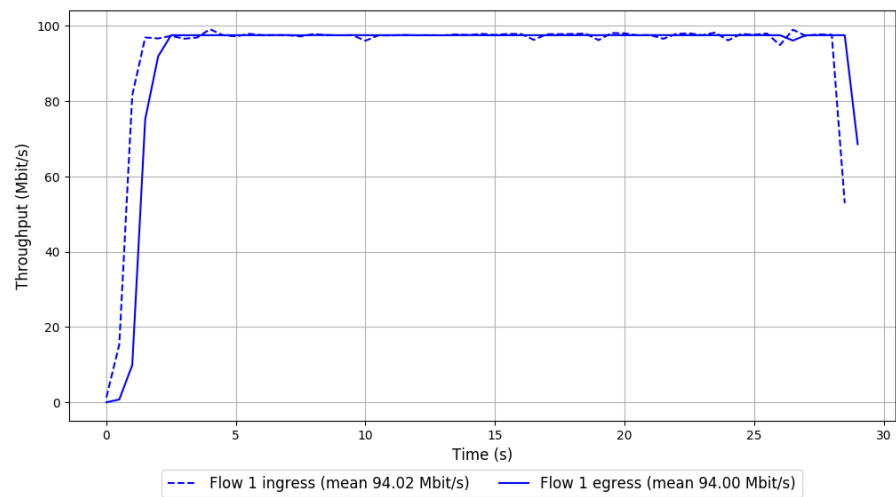


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-08-26 17:48:36
End at: 2019-08-26 17:49:06
Local clock offset: 15.015 ms
Remote clock offset: -97.891 ms

Below is generated by plot.py at 2019-08-26 20:04:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.00 Mbit/s
95th percentile per-packet one-way delay: 83.863 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 94.00 Mbit/s
95th percentile per-packet one-way delay: 83.863 ms
Loss rate: 0.01%

Run 1: Report of Indigo-MusesC5 — Data Link

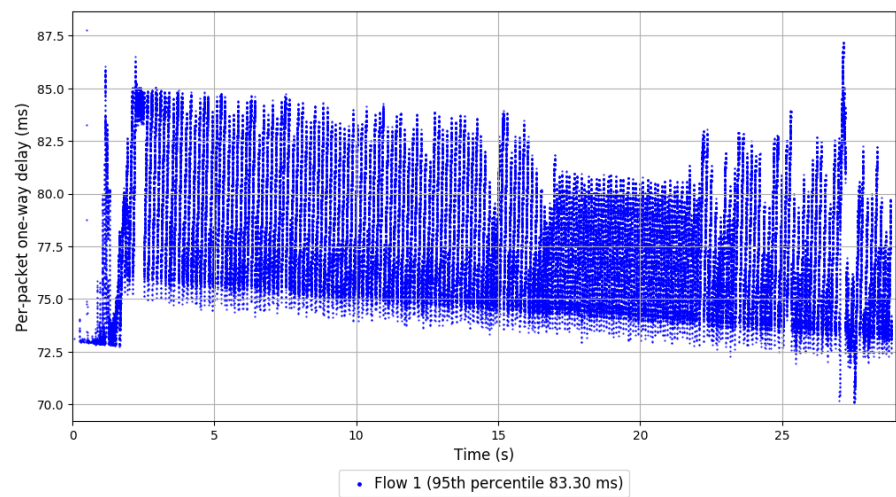
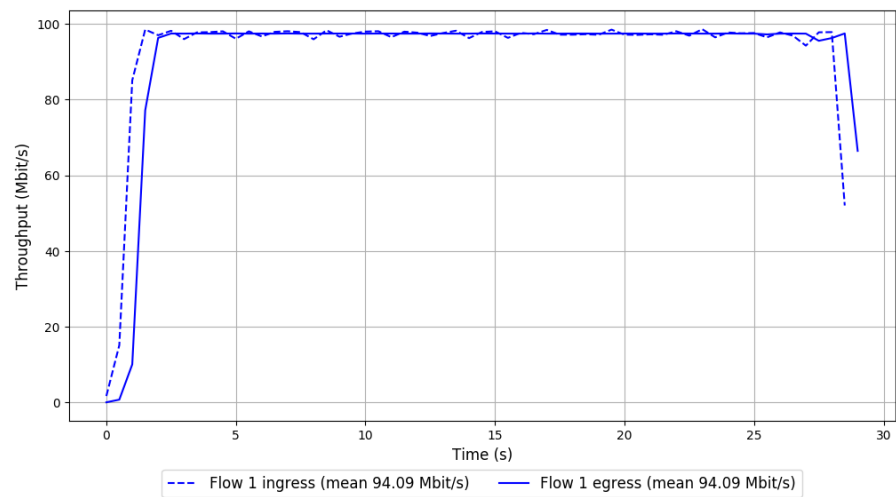


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-08-26 18:16:56
End at: 2019-08-26 18:17:26
Local clock offset: 16.94 ms
Remote clock offset: -40.875 ms

Below is generated by plot.py at 2019-08-26 20:04:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.09 Mbit/s
95th percentile per-packet one-way delay: 83.300 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 94.09 Mbit/s
95th percentile per-packet one-way delay: 83.300 ms
Loss rate: 0.01%

Run 2: Report of Indigo-MusesC5 — Data Link

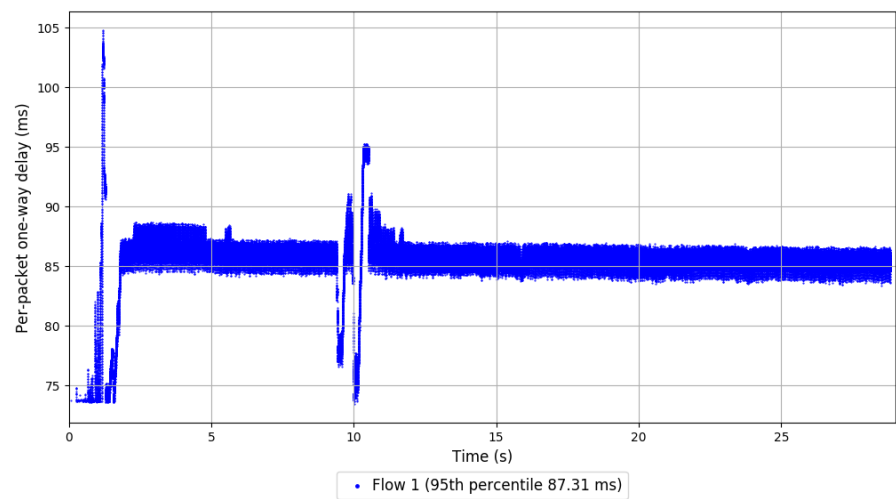
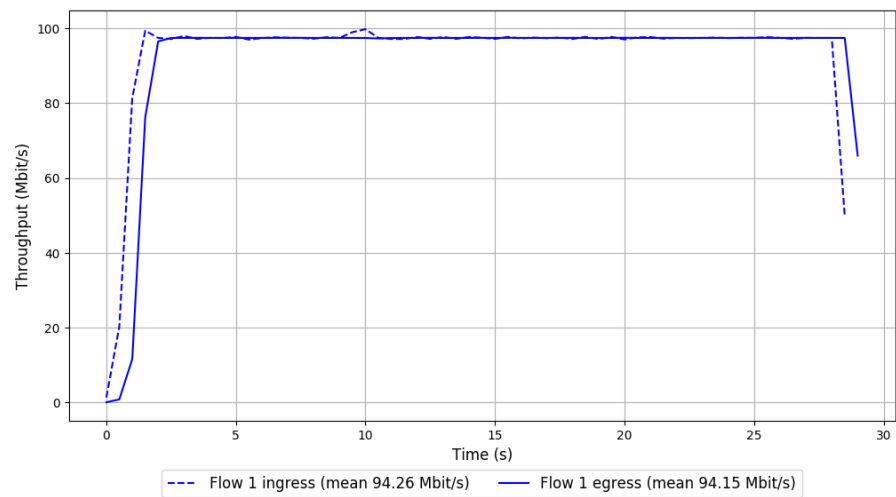


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-08-26 18:45:11
End at: 2019-08-26 18:45:41
Local clock offset: 10.595 ms
Remote clock offset: 40.995 ms

Below is generated by plot.py at 2019-08-26 20:04:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.15 Mbit/s
95th percentile per-packet one-way delay: 87.306 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 94.15 Mbit/s
95th percentile per-packet one-way delay: 87.306 ms
Loss rate: 0.08%

Run 3: Report of Indigo-MusesC5 — Data Link

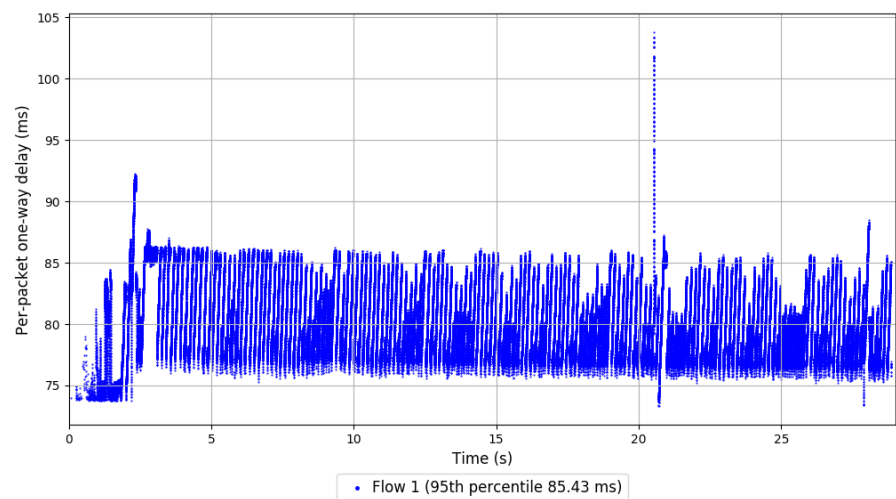
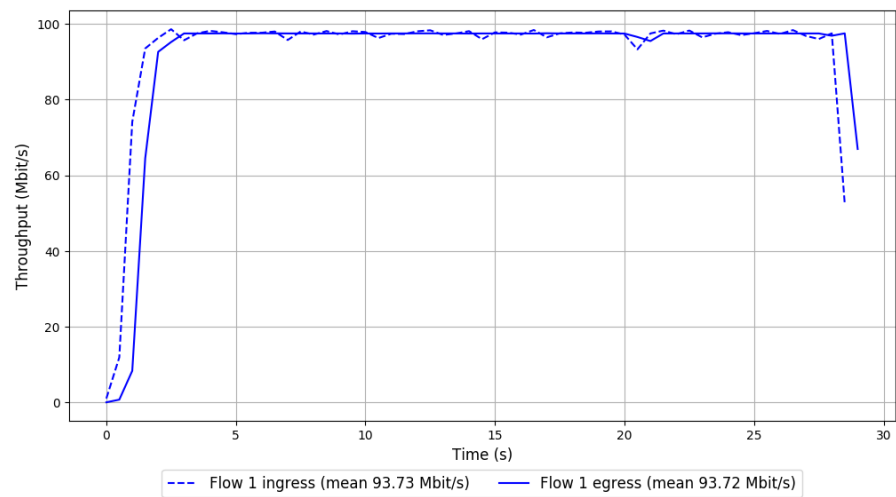


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-08-26 19:13:24
End at: 2019-08-26 19:13:54
Local clock offset: 7.262 ms
Remote clock offset: 77.865 ms

Below is generated by plot.py at 2019-08-26 20:04:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.72 Mbit/s
95th percentile per-packet one-way delay: 85.431 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 93.72 Mbit/s
95th percentile per-packet one-way delay: 85.431 ms
Loss rate: 0.01%

Run 4: Report of Indigo-MusesC5 — Data Link

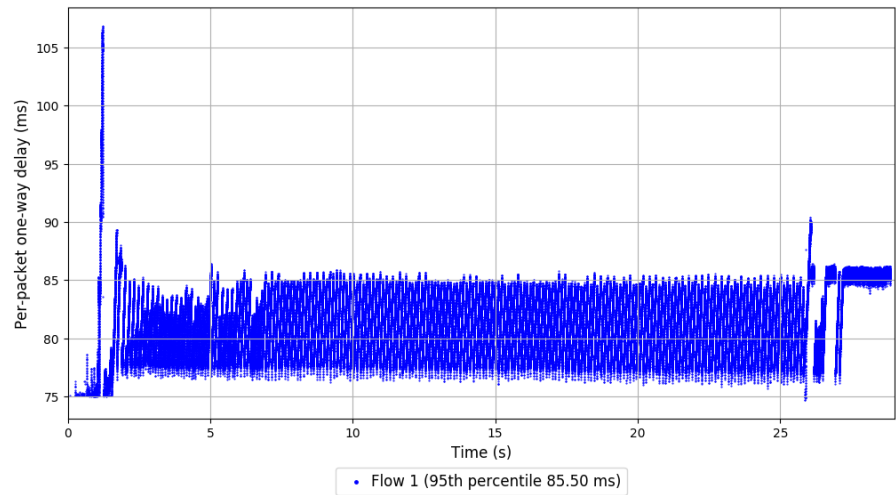
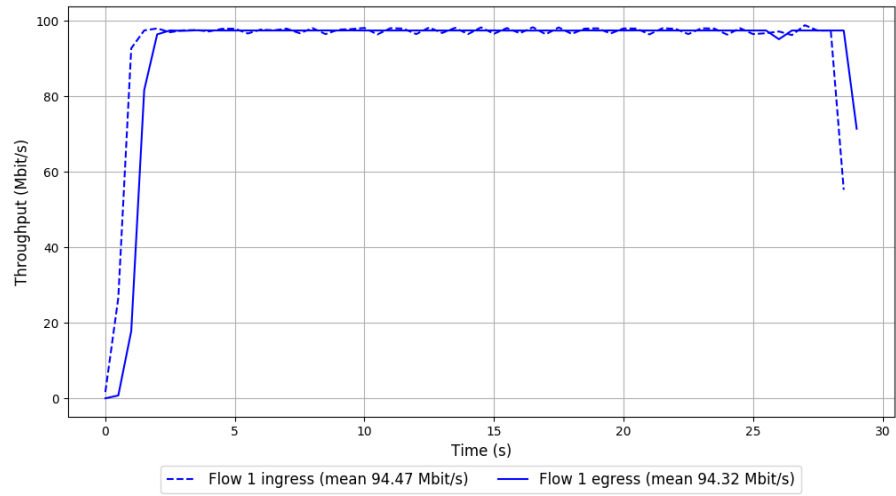


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-08-26 19:41:38
End at: 2019-08-26 19:42:08
Local clock offset: 3.75 ms
Remote clock offset: 115.627 ms

Below is generated by plot.py at 2019-08-26 20:04:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.32 Mbit/s
95th percentile per-packet one-way delay: 85.500 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 94.32 Mbit/s
95th percentile per-packet one-way delay: 85.500 ms
Loss rate: 0.13%

Run 5: Report of Indigo-MusesC5 — Data Link

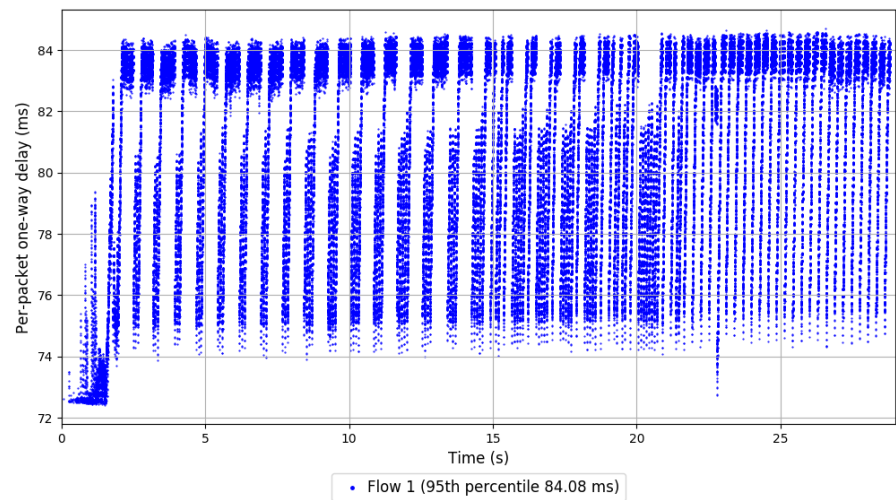
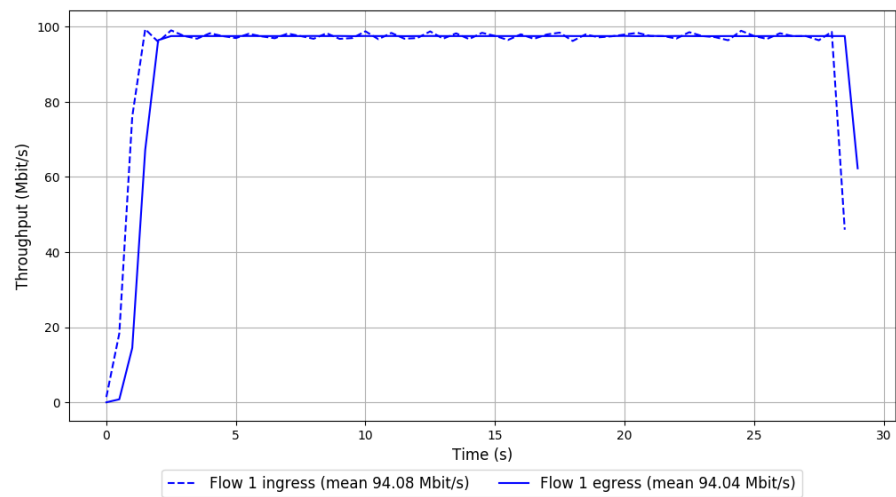



```
Run 1: Statistics of Indigo-MusesD

Start at: 2019-08-26 17:45:02
End at: 2019-08-26 17:45:32
Local clock offset: 14.03 ms
Remote clock offset: -96.073 ms

# Below is generated by plot.py at 2019-08-26 20:04:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.04 Mbit/s
95th percentile per-packet one-way delay: 84.085 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 94.04 Mbit/s
95th percentile per-packet one-way delay: 84.085 ms
Loss rate: 0.01%
```

Run 1: Report of Indigo-MusesD — Data Link

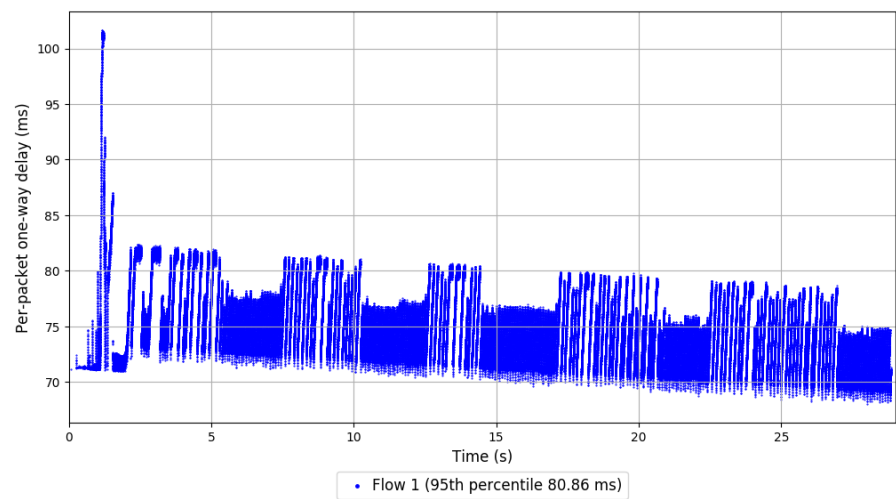
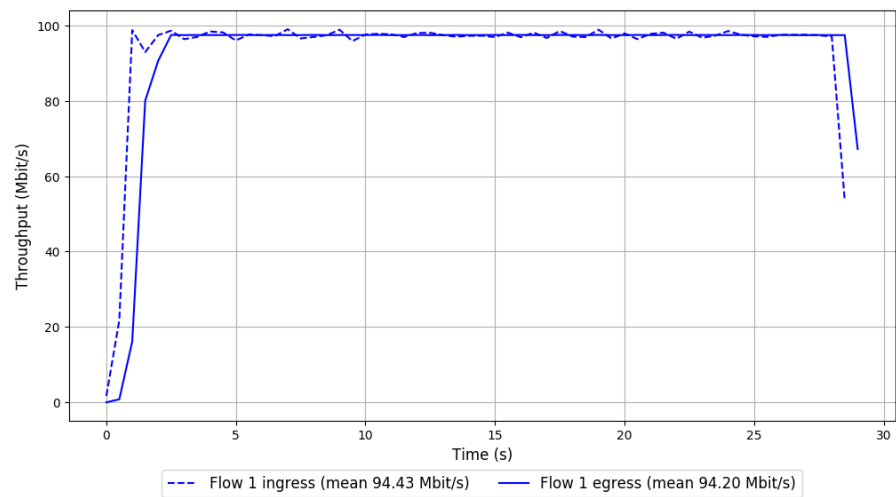


Run 2: Statistics of Indigo-MusesD

Start at: 2019-08-26 18:13:22
End at: 2019-08-26 18:13:52
Local clock offset: 16.284 ms
Remote clock offset: -69.477 ms

Below is generated by plot.py at 2019-08-26 20:05:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.20 Mbit/s
95th percentile per-packet one-way delay: 80.856 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 94.20 Mbit/s
95th percentile per-packet one-way delay: 80.856 ms
Loss rate: 0.24%

Run 2: Report of Indigo-MusesD — Data Link

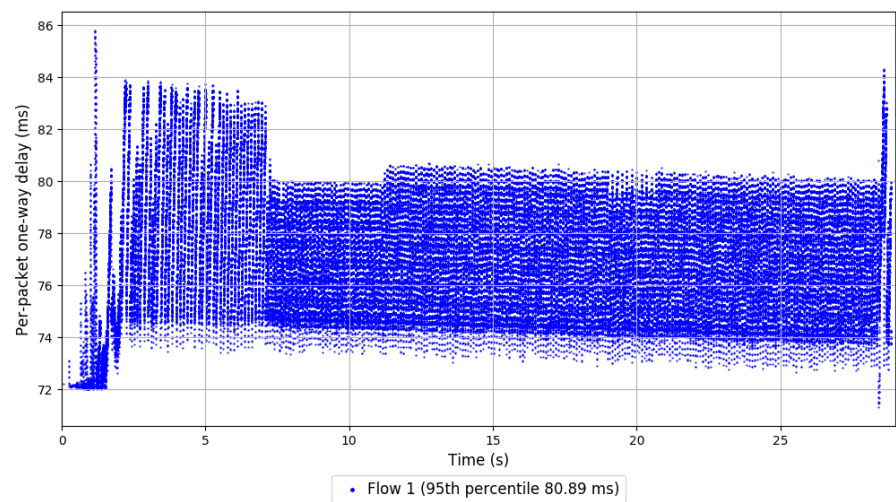
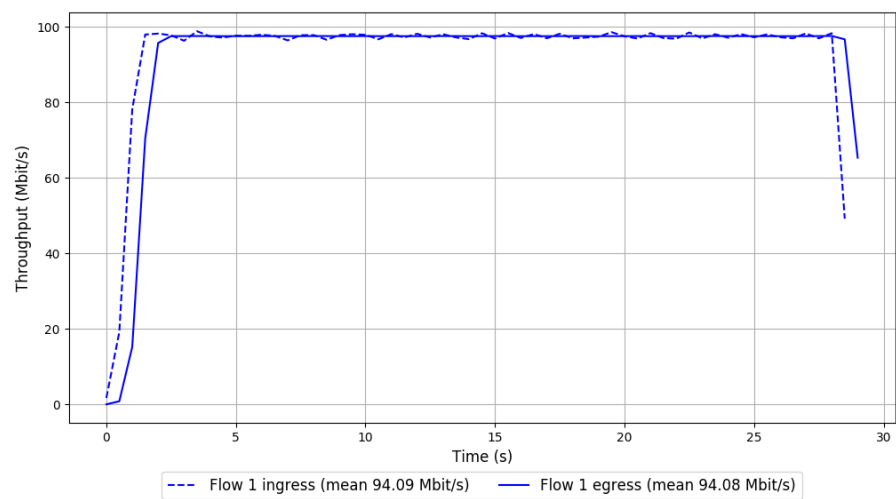


Run 3: Statistics of Indigo-MusesD

Start at: 2019-08-26 18:41:37
End at: 2019-08-26 18:42:07
Local clock offset: 11.238 ms
Remote clock offset: 34.797 ms

Below is generated by plot.py at 2019-08-26 20:05:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.08 Mbit/s
95th percentile per-packet one-way delay: 80.893 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.08 Mbit/s
95th percentile per-packet one-way delay: 80.893 ms
Loss rate: 0.00%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-08-26 19:09:50

End at: 2019-08-26 19:10:20

Local clock offset: 6.943 ms

Remote clock offset: 74.515 ms

Below is generated by plot.py at 2019-08-26 20:05:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.34 Mbit/s

95th percentile per-packet one-way delay: 86.581 ms

Loss rate: 0.05%

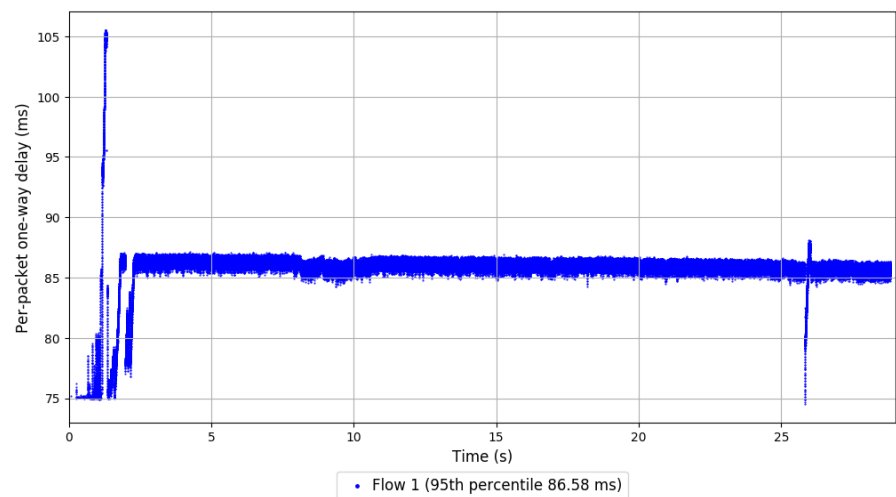
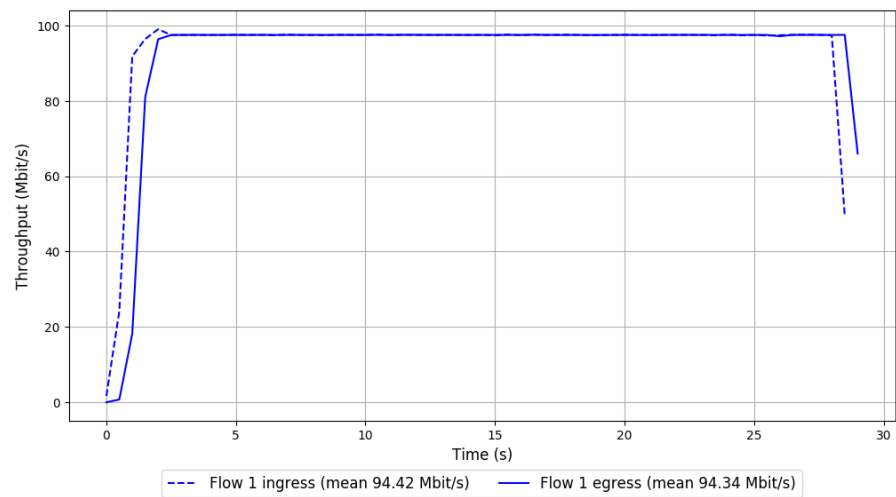
-- Flow 1:

Average throughput: 94.34 Mbit/s

95th percentile per-packet one-way delay: 86.581 ms

Loss rate: 0.05%

Run 4: Report of Indigo-MusesD — Data Link

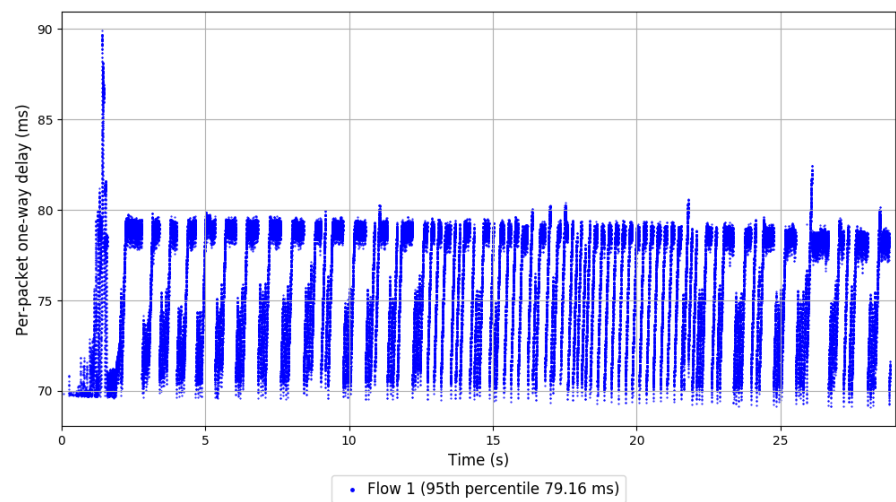
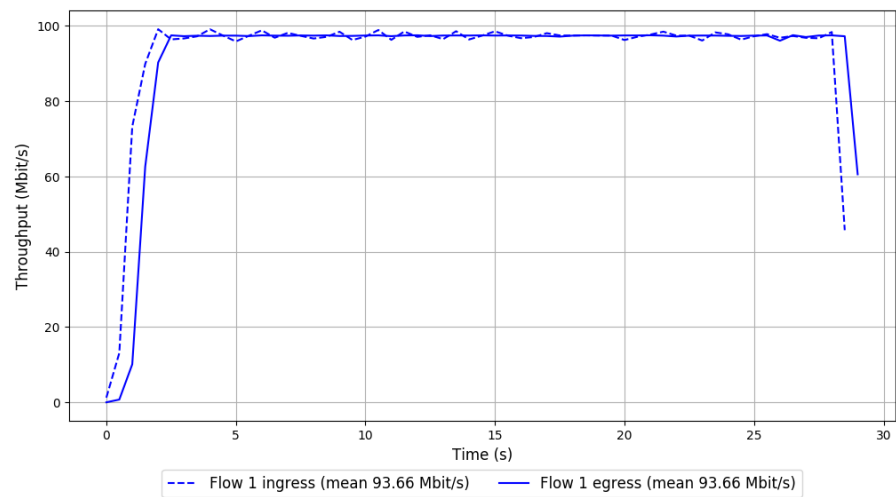


Run 5: Statistics of Indigo-MusesD

Start at: 2019-08-26 19:38:03
End at: 2019-08-26 19:38:33
Local clock offset: 3.37 ms
Remote clock offset: 105.482 ms

Below is generated by plot.py at 2019-08-26 20:05:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.66 Mbit/s
95th percentile per-packet one-way delay: 79.156 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 93.66 Mbit/s
95th percentile per-packet one-way delay: 79.156 ms
Loss rate: 0.01%

Run 5: Report of Indigo-MusesD — Data Link

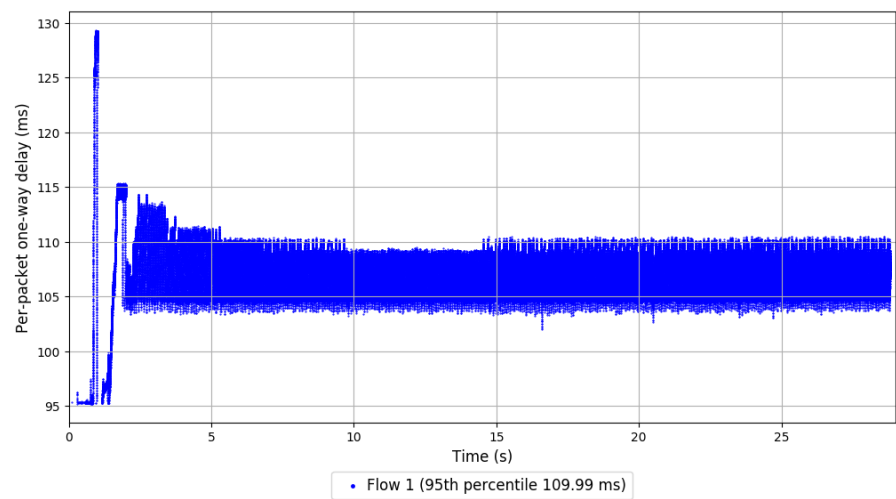
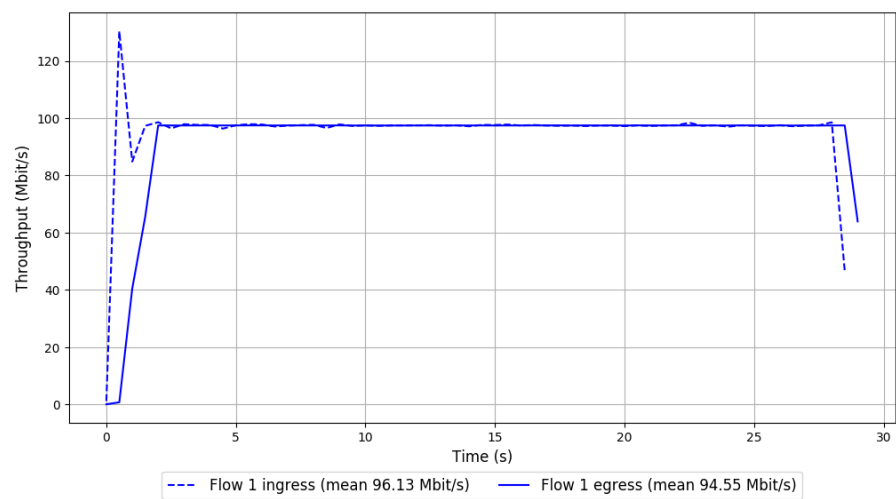


```
Run 1: Statistics of Indigo-MusesT

Start at: 2019-08-26 17:46:14
End at: 2019-08-26 17:46:44
Local clock offset: 15.045 ms
Remote clock offset: -96.189 ms

# Below is generated by plot.py at 2019-08-26 20:06:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.55 Mbit/s
95th percentile per-packet one-way delay: 109.993 ms
Loss rate: 1.68%
-- Flow 1:
Average throughput: 94.55 Mbit/s
95th percentile per-packet one-way delay: 109.993 ms
Loss rate: 1.68%
```

Run 1: Report of Indigo-MusesT — Data Link

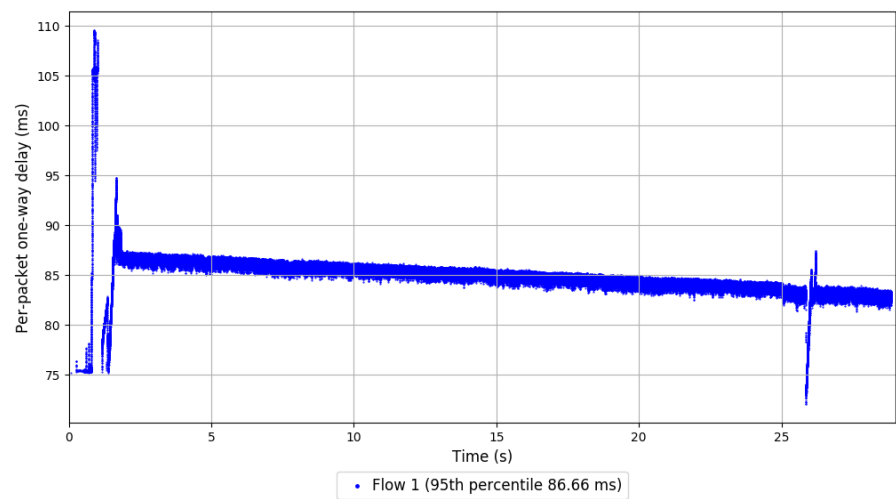
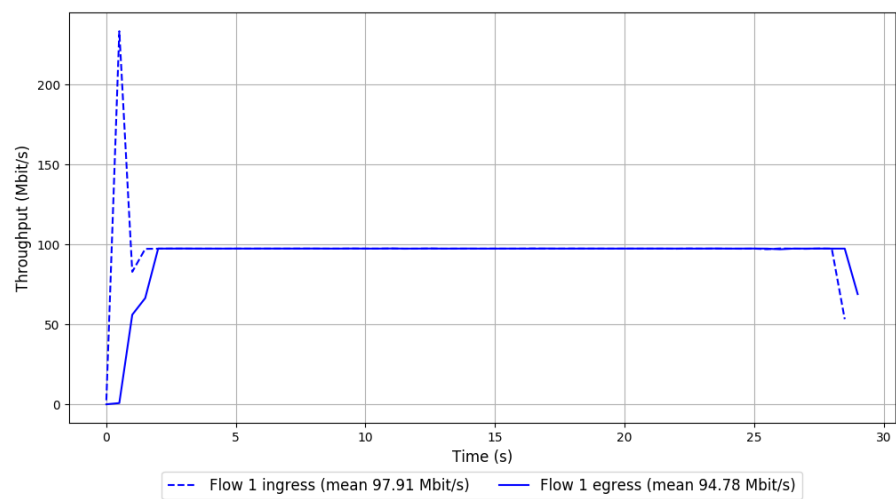


Run 2: Statistics of Indigo-MusesT

Start at: 2019-08-26 18:14:34
End at: 2019-08-26 18:15:04
Local clock offset: 16.475 ms
Remote clock offset: -56.383 ms

Below is generated by plot.py at 2019-08-26 20:06:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.78 Mbit/s
95th percentile per-packet one-way delay: 86.661 ms
Loss rate: 3.18%
-- Flow 1:
Average throughput: 94.78 Mbit/s
95th percentile per-packet one-way delay: 86.661 ms
Loss rate: 3.18%

Run 2: Report of Indigo-MusesT — Data Link

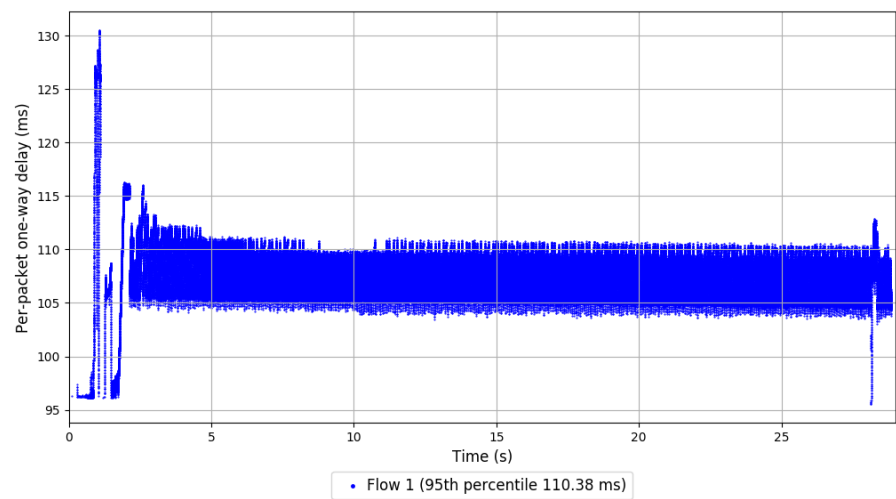
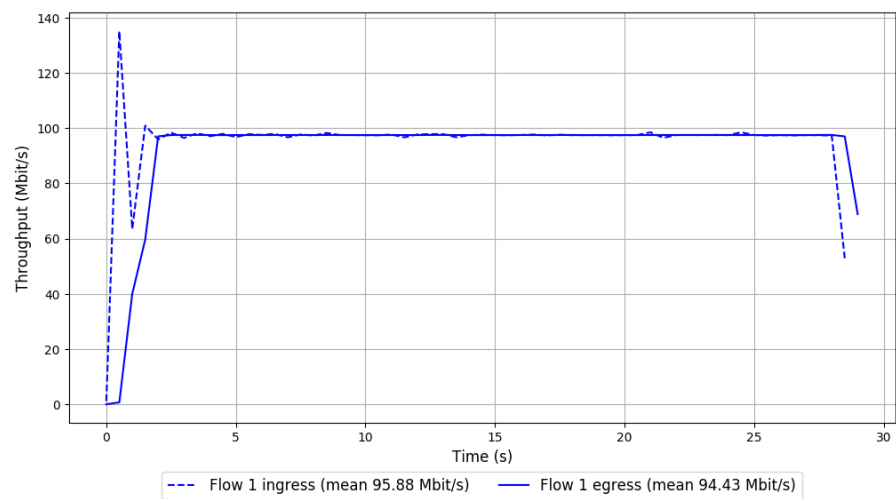


Run 3: Statistics of Indigo-MusesT

Start at: 2019-08-26 18:42:49
End at: 2019-08-26 18:43:19
Local clock offset: 10.973 ms
Remote clock offset: 37.543 ms

Below is generated by plot.py at 2019-08-26 20:06:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.43 Mbit/s
95th percentile per-packet one-way delay: 110.375 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 94.43 Mbit/s
95th percentile per-packet one-way delay: 110.375 ms
Loss rate: 1.56%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-08-26 19:11:02

End at: 2019-08-26 19:11:32

Local clock offset: 7.092 ms

Remote clock offset: 76.289 ms

Below is generated by plot.py at 2019-08-26 20:06:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.09 Mbit/s

95th percentile per-packet one-way delay: 86.531 ms

Loss rate: 0.50%

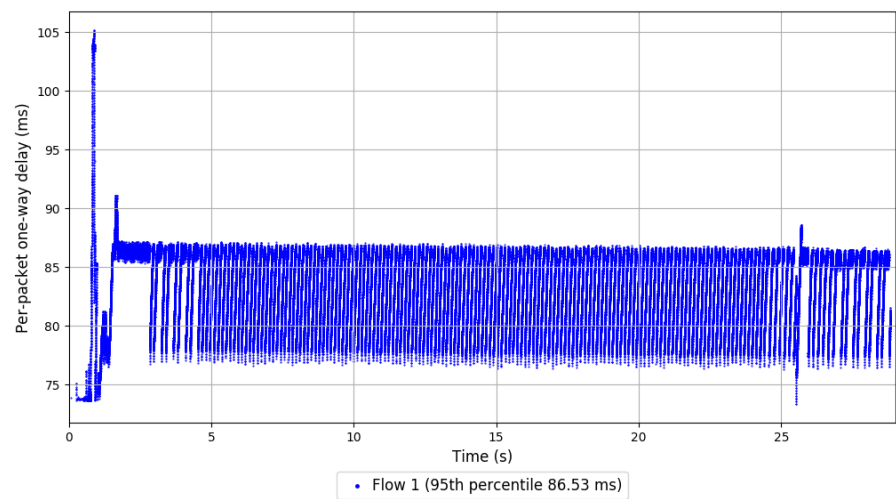
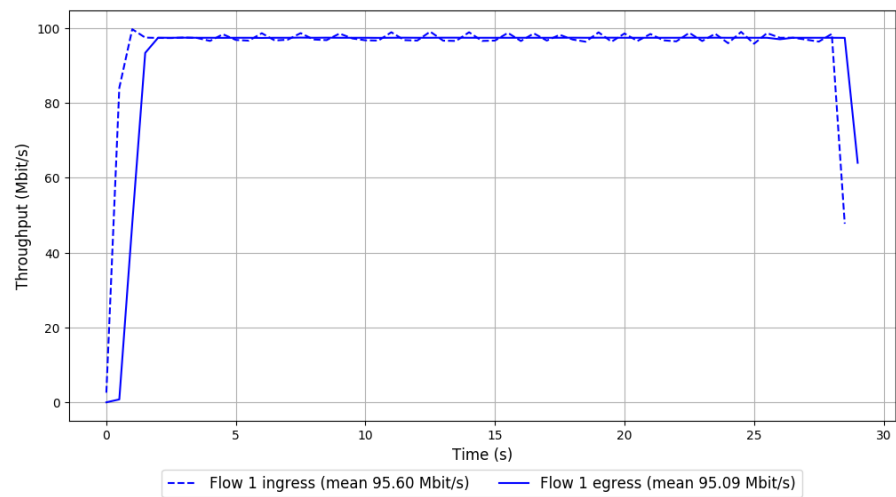
-- Flow 1:

Average throughput: 95.09 Mbit/s

95th percentile per-packet one-way delay: 86.531 ms

Loss rate: 0.50%

Run 4: Report of Indigo-MusesT — Data Link

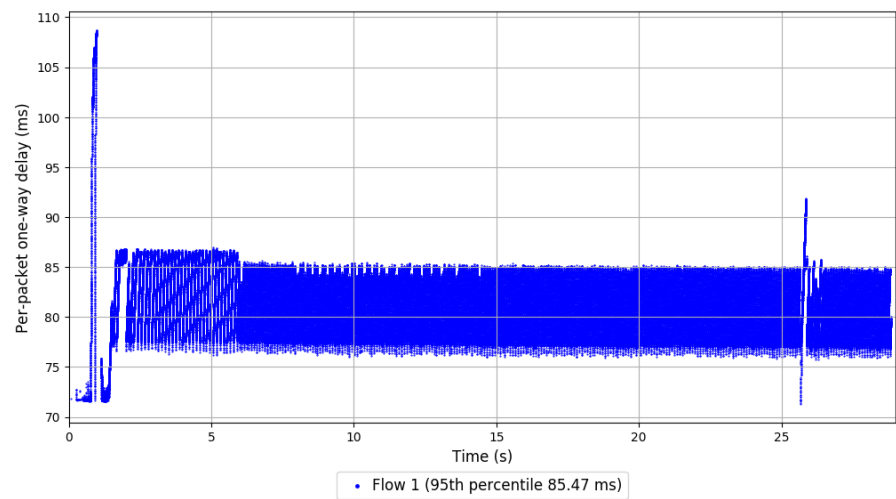
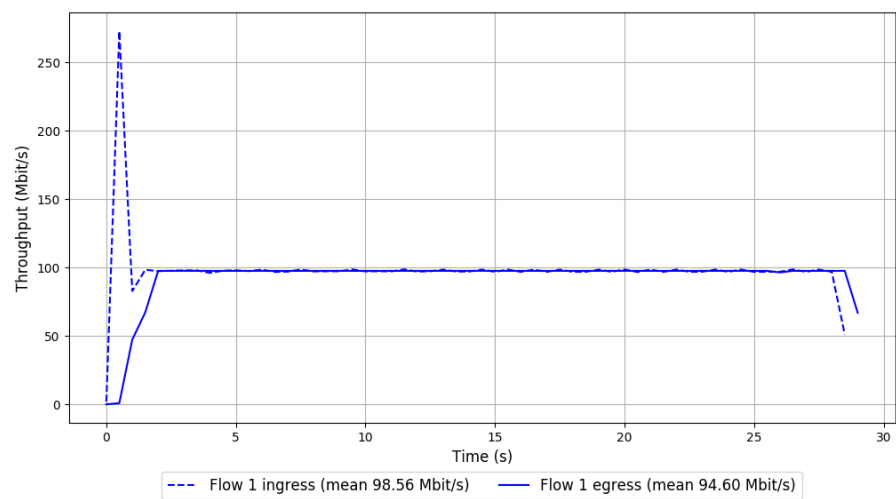


Run 5: Statistics of Indigo-MusesT

Start at: 2019-08-26 19:39:14
End at: 2019-08-26 19:39:45
Local clock offset: 4.015 ms
Remote clock offset: 111.415 ms

Below is generated by plot.py at 2019-08-26 20:06:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.60 Mbit/s
95th percentile per-packet one-way delay: 85.469 ms
Loss rate: 3.99%
-- Flow 1:
Average throughput: 94.60 Mbit/s
95th percentile per-packet one-way delay: 85.469 ms
Loss rate: 3.99%

Run 5: Report of Indigo-MusesT — Data Link

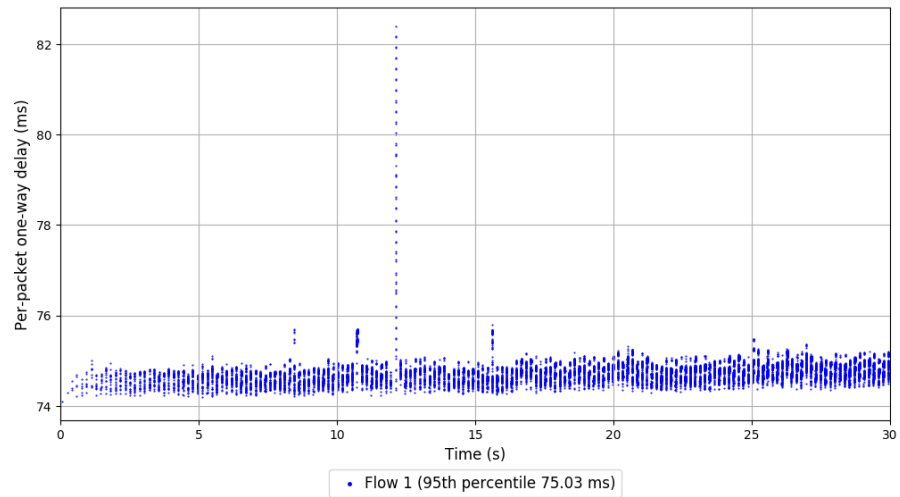
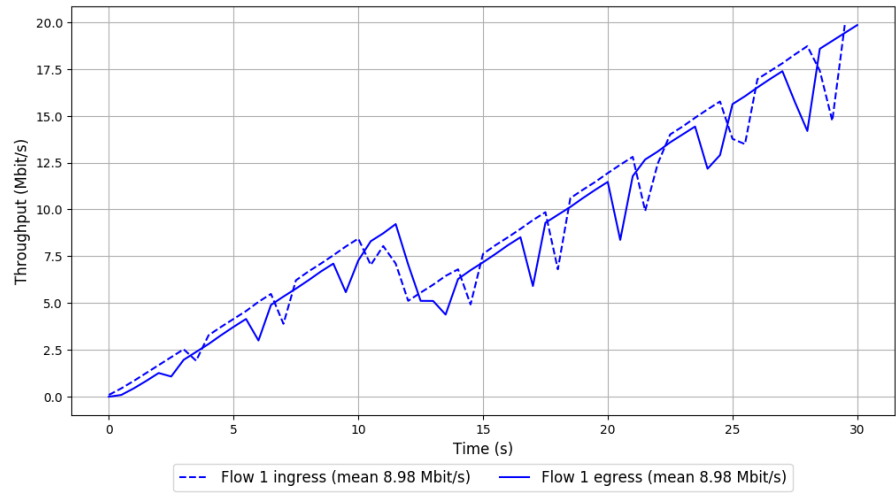


```
Run 1: Statistics of LEDBAT

Start at: 2019-08-26 18:00:17
End at: 2019-08-26 18:00:47
Local clock offset: 14.475 ms
Remote clock offset: -100.037 ms

# Below is generated by plot.py at 2019-08-26 20:06:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.98 Mbit/s
95th percentile per-packet one-way delay: 75.030 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 8.98 Mbit/s
95th percentile per-packet one-way delay: 75.030 ms
Loss rate: 0.01%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-08-26 18:28:38

End at: 2019-08-26 18:29:08

Local clock offset: 18.732 ms

Remote clock offset: 8.804 ms

Below is generated by plot.py at 2019-08-26 20:06:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.90 Mbit/s

95th percentile per-packet one-way delay: 72.955 ms

Loss rate: 0.00%

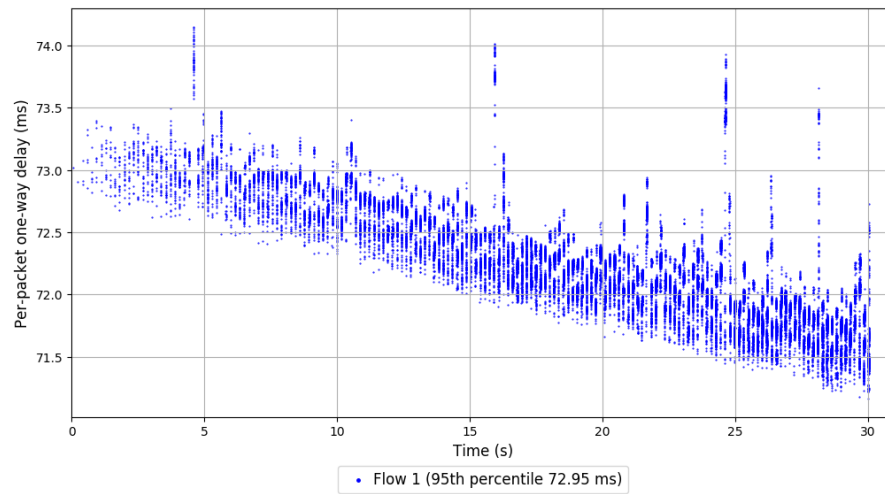
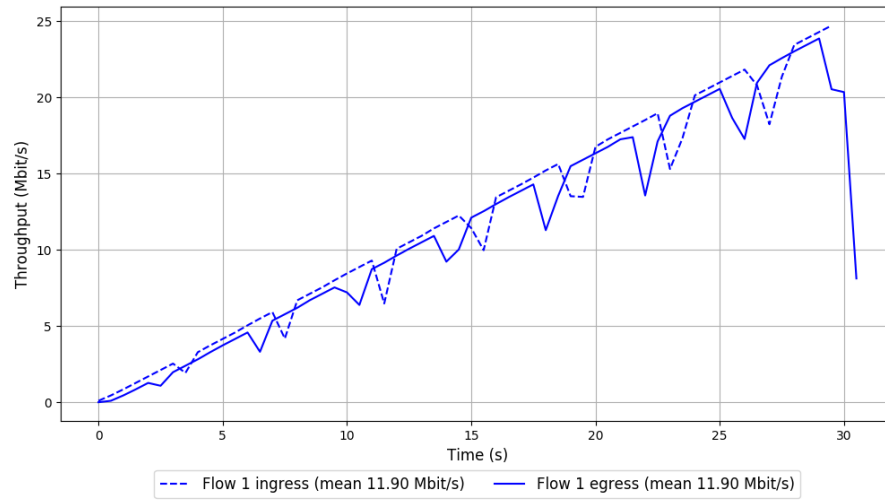
-- Flow 1:

Average throughput: 11.90 Mbit/s

95th percentile per-packet one-way delay: 72.955 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

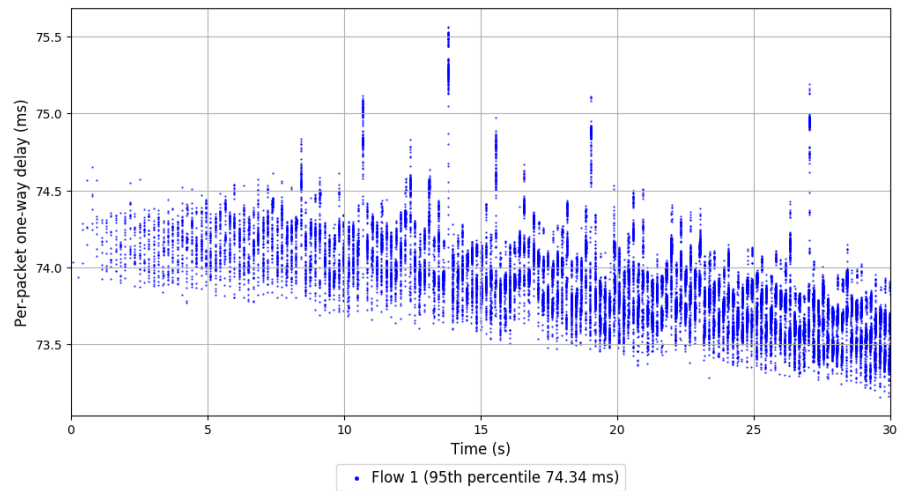
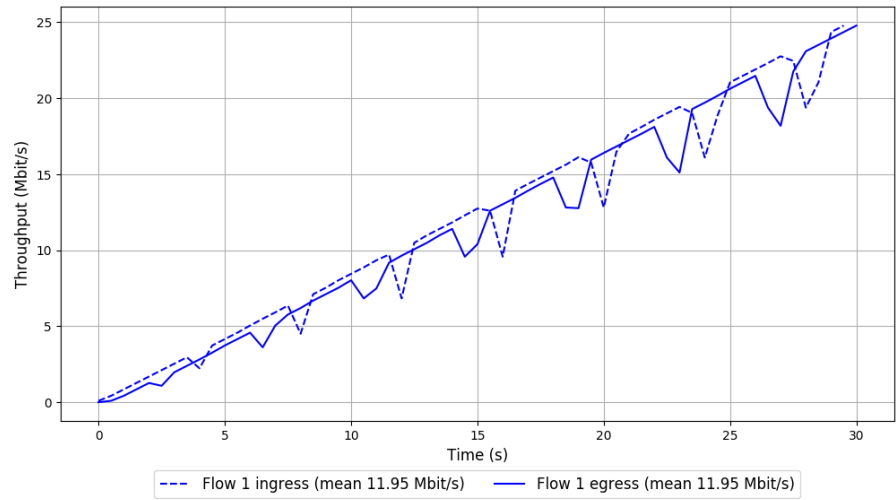


Run 3: Statistics of LEDBAT

Start at: 2019-08-26 18:56:52
End at: 2019-08-26 18:57:22
Local clock offset: 7.146 ms
Remote clock offset: 57.069 ms

Below is generated by plot.py at 2019-08-26 20:06:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.95 Mbit/s
95th percentile per-packet one-way delay: 74.345 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.95 Mbit/s
95th percentile per-packet one-way delay: 74.345 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

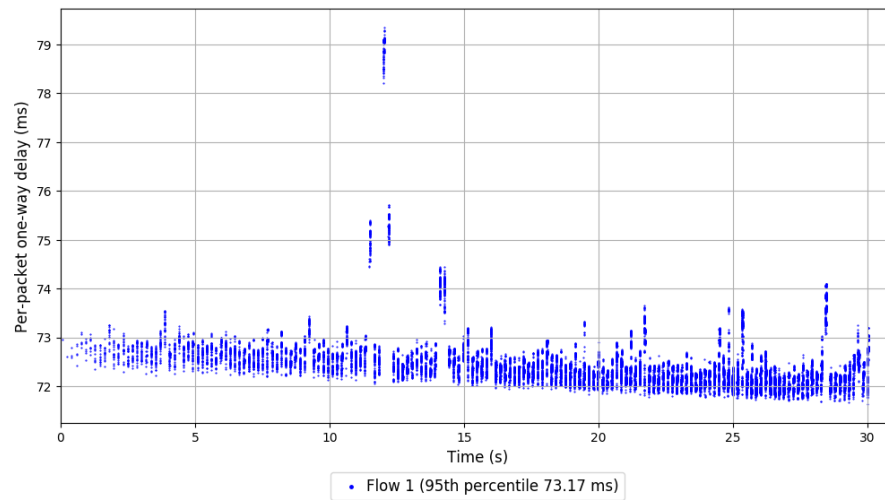
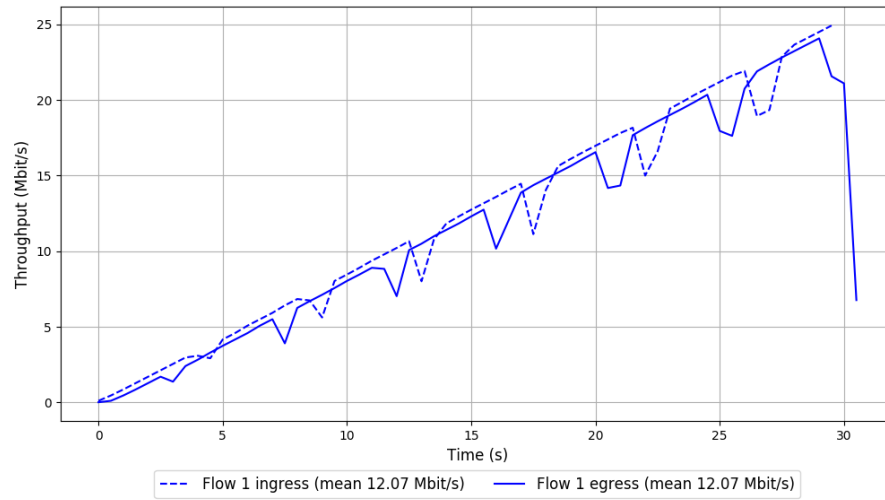


Run 4: Statistics of LEDBAT

Start at: 2019-08-26 19:25:05
End at: 2019-08-26 19:25:35
Local clock offset: 4.716 ms
Remote clock offset: 93.314 ms

Below is generated by plot.py at 2019-08-26 20:06:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.07 Mbit/s
95th percentile per-packet one-way delay: 73.172 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.07 Mbit/s
95th percentile per-packet one-way delay: 73.172 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

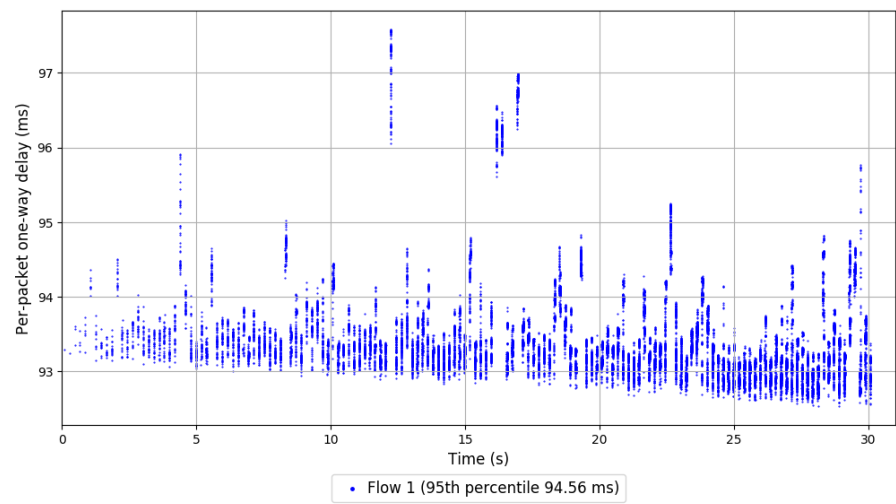
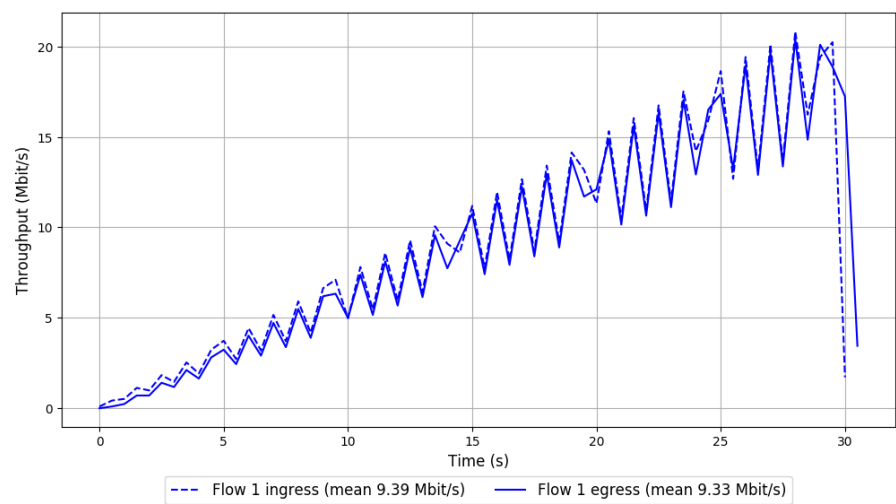


Run 5: Statistics of LEDBAT

Start at: 2019-08-26 19:53:19
End at: 2019-08-26 19:53:49
Local clock offset: 2.785 ms
Remote clock offset: 126.571 ms

Below is generated by plot.py at 2019-08-26 20:06:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.33 Mbit/s
95th percentile per-packet one-way delay: 94.561 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 9.33 Mbit/s
95th percentile per-packet one-way delay: 94.561 ms
Loss rate: 0.69%

Run 5: Report of LEDBAT — Data Link

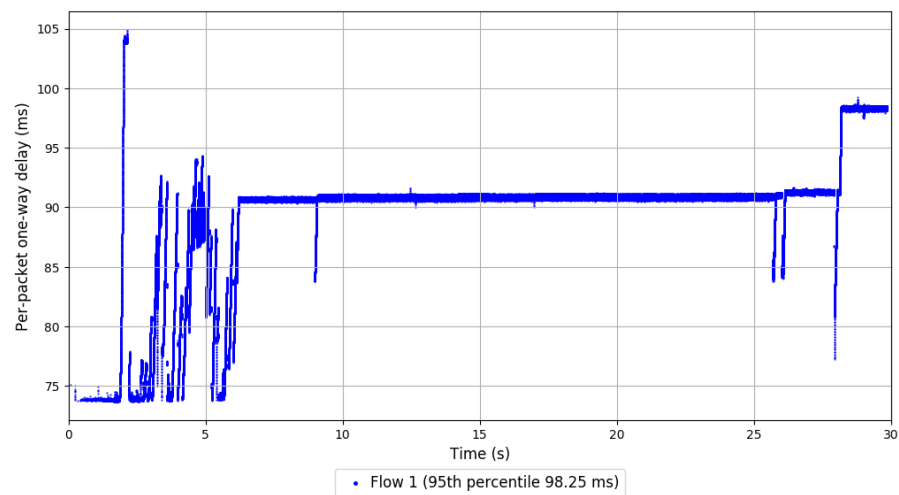
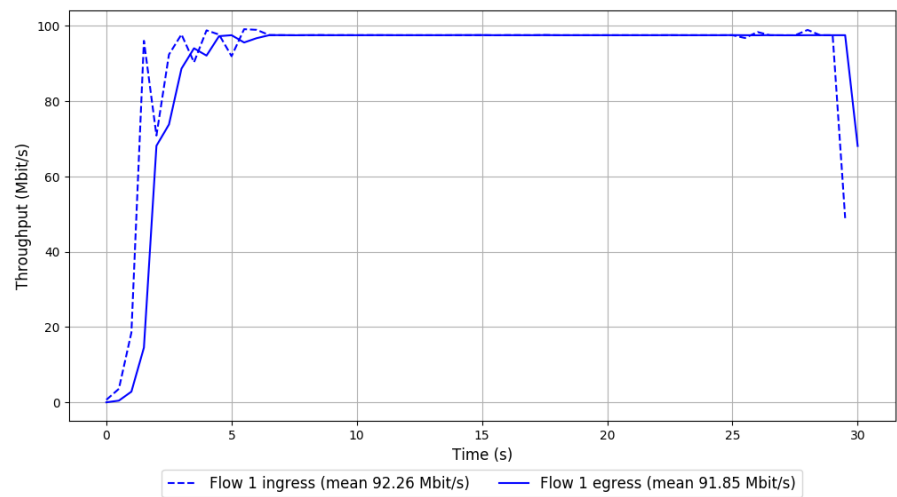


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-08-26 17:59:05
End at: 2019-08-26 17:59:35
Local clock offset: 14.455 ms
Remote clock offset: -98.626 ms

# Below is generated by plot.py at 2019-08-26 20:06:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.85 Mbit/s
95th percentile per-packet one-way delay: 98.250 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 91.85 Mbit/s
95th percentile per-packet one-way delay: 98.250 ms
Loss rate: 0.36%
```

Run 1: Report of Muses_DecisionTree — Data Link



Run 2: Statistics of Muses_DecisionTree

Start at: 2019-08-26 18:27:26

End at: 2019-08-26 18:27:56

Local clock offset: 18.218 ms

Remote clock offset: 5.804 ms

Below is generated by plot.py at 2019-08-26 20:06:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.93 Mbit/s

95th percentile per-packet one-way delay: 93.310 ms

Loss rate: 0.39%

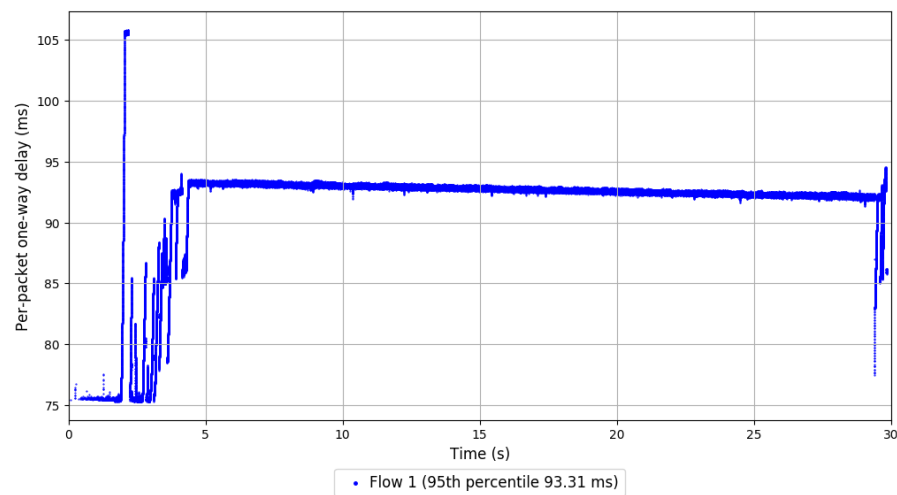
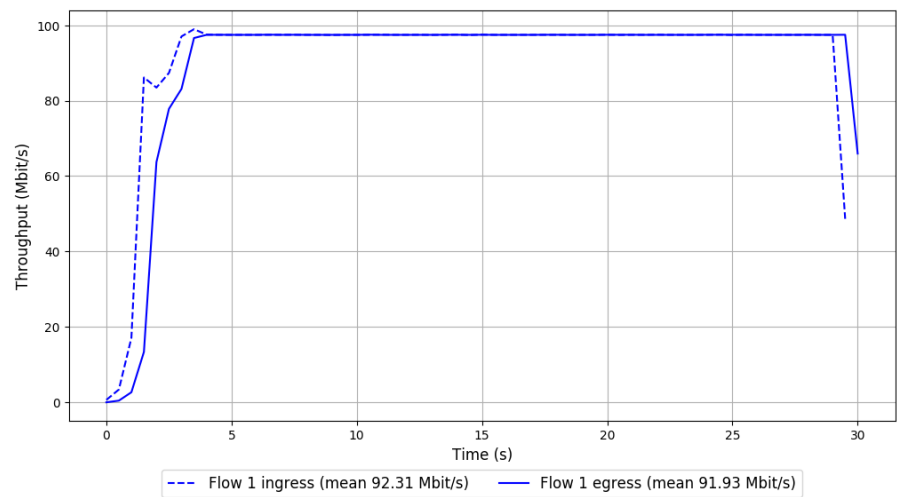
-- Flow 1:

Average throughput: 91.93 Mbit/s

95th percentile per-packet one-way delay: 93.310 ms

Loss rate: 0.39%

Run 2: Report of Muses_DecisionTree — Data Link

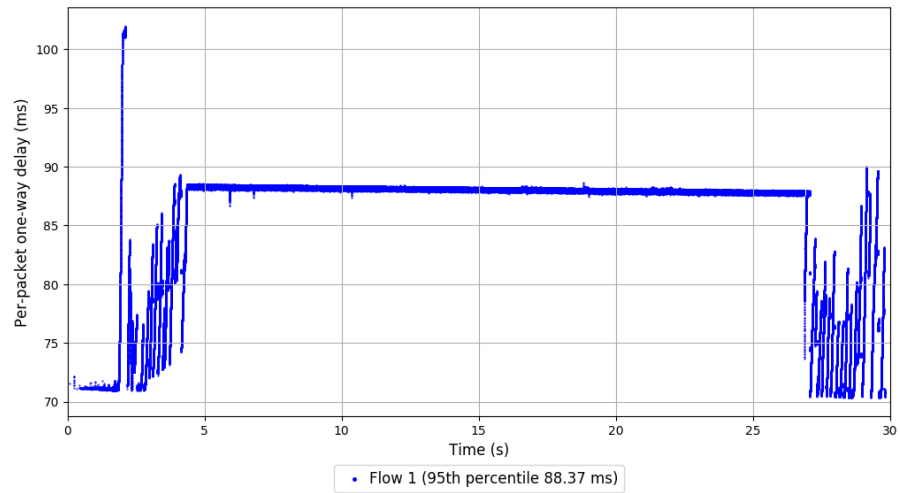
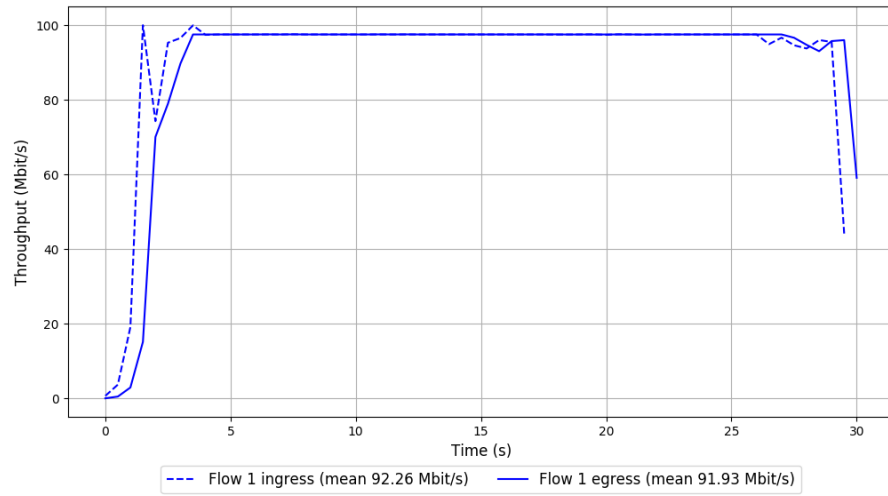


Run 3: Statistics of Muses_DecisionTree

Start at: 2019-08-26 18:55:40
End at: 2019-08-26 18:56:10
Local clock offset: 8.076 ms
Remote clock offset: 54.663 ms

Below is generated by plot.py at 2019-08-26 20:06:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.93 Mbit/s
95th percentile per-packet one-way delay: 88.370 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 91.93 Mbit/s
95th percentile per-packet one-way delay: 88.370 ms
Loss rate: 0.36%

Run 3: Report of Muses_DecisionTree — Data Link

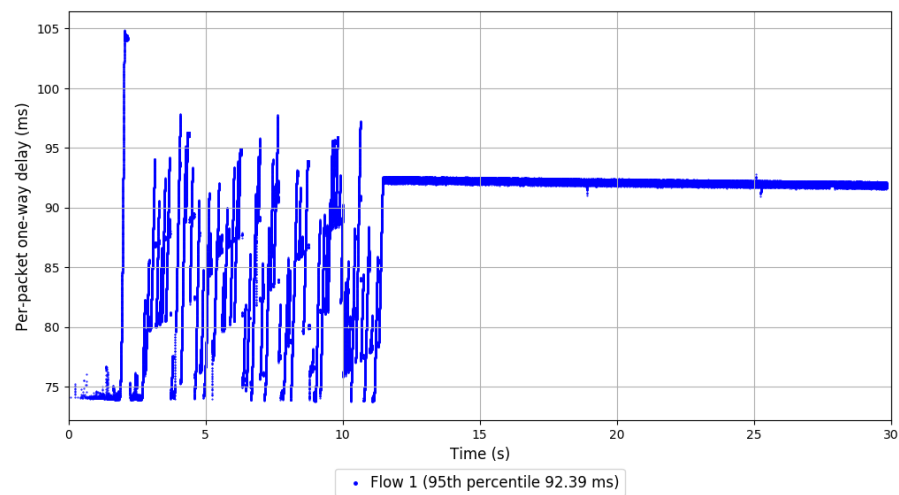
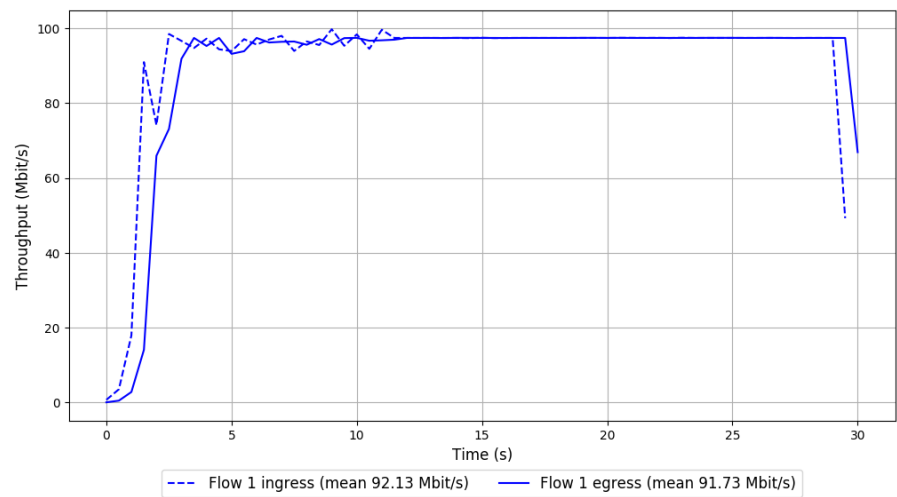


Run 4: Statistics of Muses_DecisionTree

Start at: 2019-08-26 19:23:53
End at: 2019-08-26 19:24:23
Local clock offset: 4.959 ms
Remote clock offset: 91.709 ms

Below is generated by plot.py at 2019-08-26 20:07:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.73 Mbit/s
95th percentile per-packet one-way delay: 92.386 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 91.73 Mbit/s
95th percentile per-packet one-way delay: 92.386 ms
Loss rate: 0.38%

Run 4: Report of Muses_DecisionTree — Data Link

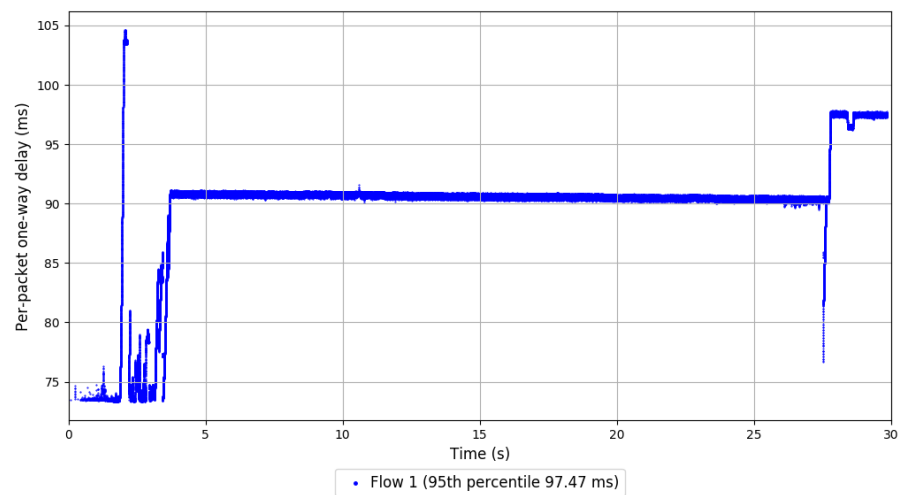
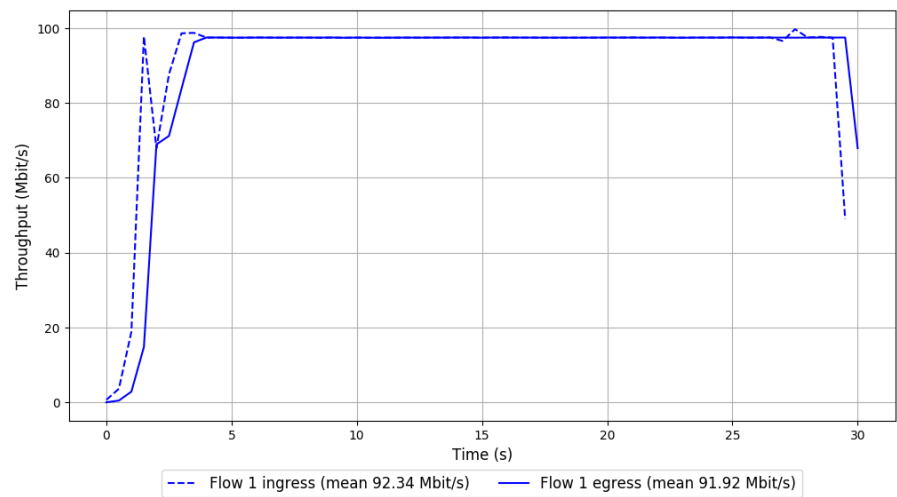


Run 5: Statistics of Muses_DecisionTree

Start at: 2019-08-26 19:52:07
End at: 2019-08-26 19:52:37
Local clock offset: 2.838 ms
Remote clock offset: 128.874 ms

Below is generated by plot.py at 2019-08-26 20:07:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.92 Mbit/s
95th percentile per-packet one-way delay: 97.472 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 91.92 Mbit/s
95th percentile per-packet one-way delay: 97.472 ms
Loss rate: 0.37%

Run 5: Report of Muses_DecisionTree — Data Link

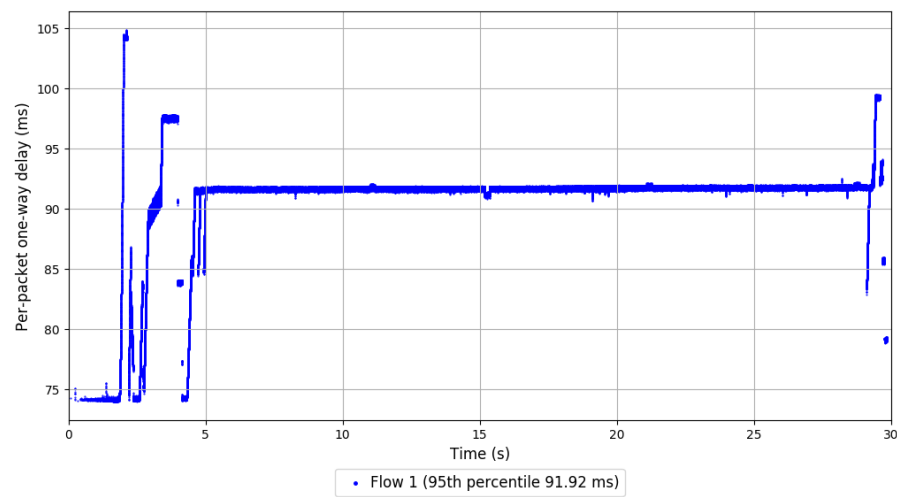
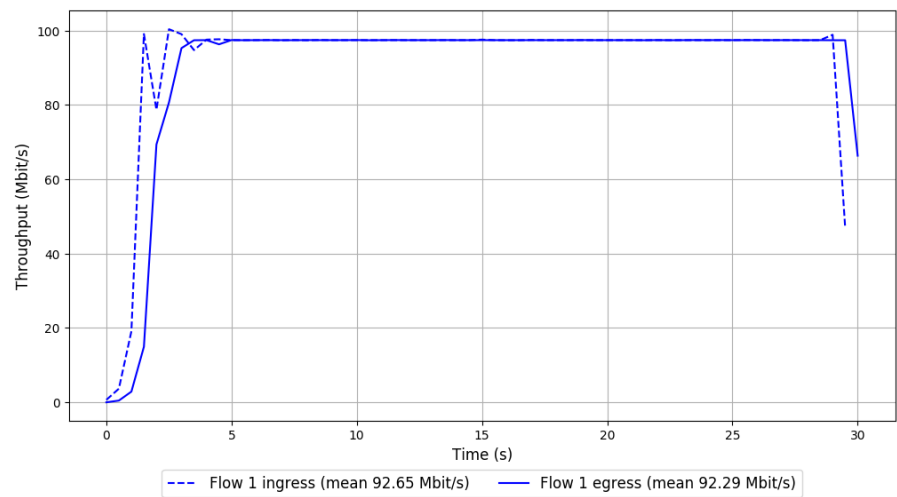


Run 1: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-26 17:36:47
End at: 2019-08-26 17:37:17
Local clock offset: 12.336 ms
Remote clock offset: -92.428 ms

Below is generated by plot.py at 2019-08-26 20:07:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.29 Mbit/s
95th percentile per-packet one-way delay: 91.925 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 92.29 Mbit/s
95th percentile per-packet one-way delay: 91.925 ms
Loss rate: 0.37%

Run 1: Report of Muses_DecisionTreeH0 — Data Link

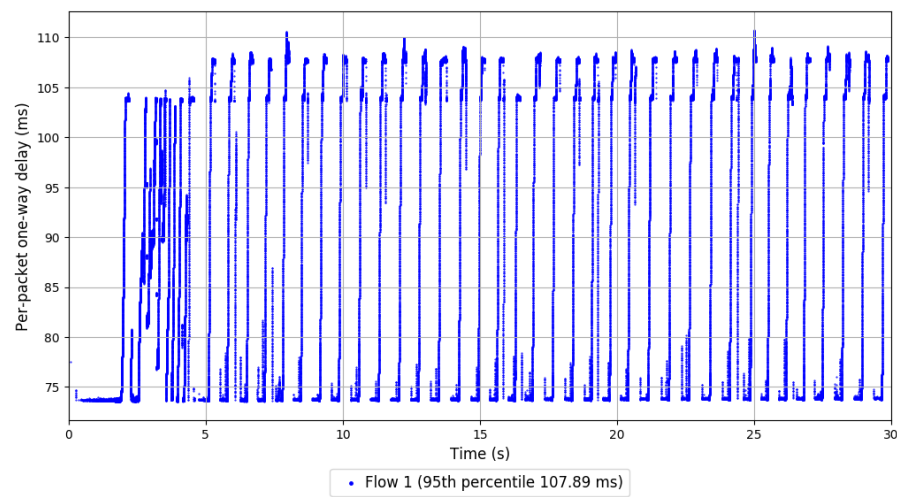
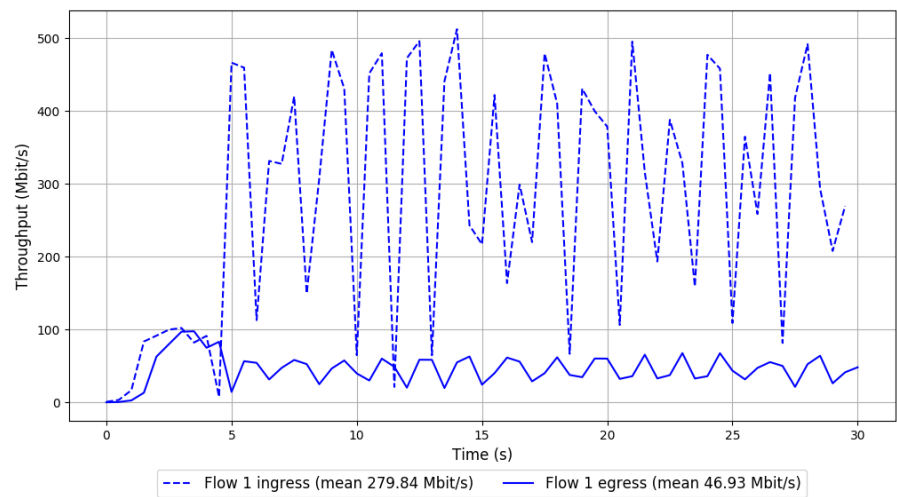


Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-26 18:04:58
End at: 2019-08-26 18:05:28
Local clock offset: 15.026 ms
Remote clock offset: -103.684 ms

Below is generated by plot.py at 2019-08-26 20:07:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 46.93 Mbit/s
95th percentile per-packet one-way delay: 107.885 ms
Loss rate: 83.21%
-- Flow 1:
Average throughput: 46.93 Mbit/s
95th percentile per-packet one-way delay: 107.885 ms
Loss rate: 83.21%

Run 2: Report of Muses_DecisionTreeH0 — Data Link

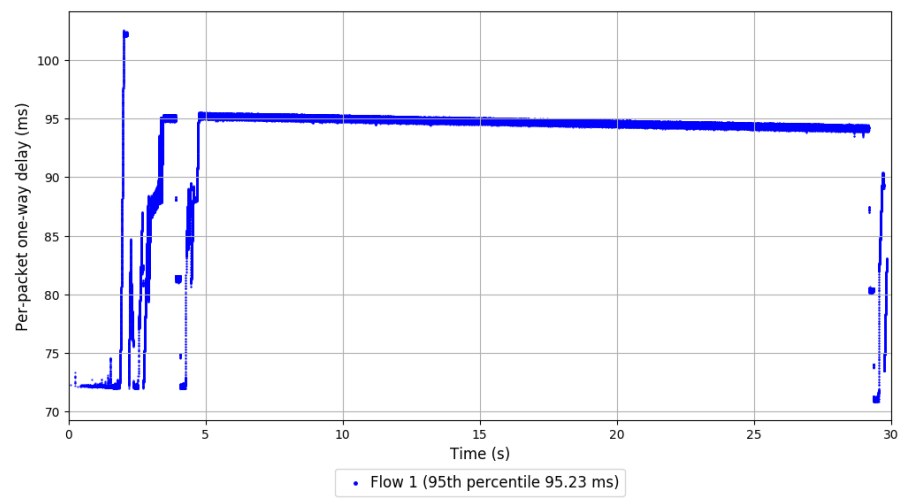
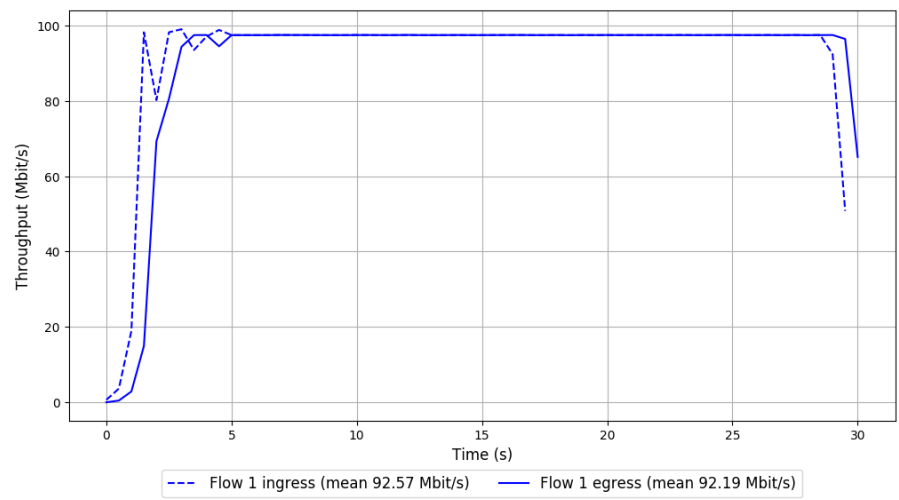


Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-26 18:33:19
End at: 2019-08-26 18:33:49
Local clock offset: 14.959 ms
Remote clock offset: 20.342 ms

Below is generated by plot.py at 2019-08-26 20:07:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.19 Mbit/s
95th percentile per-packet one-way delay: 95.232 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 92.19 Mbit/s
95th percentile per-packet one-way delay: 95.232 ms
Loss rate: 0.37%

Run 3: Report of Muses_DecisionTreeH0 — Data Link

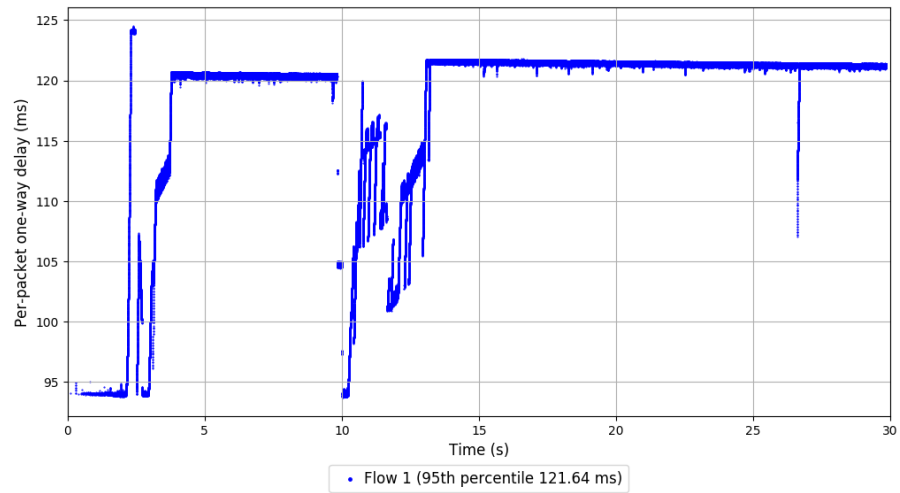
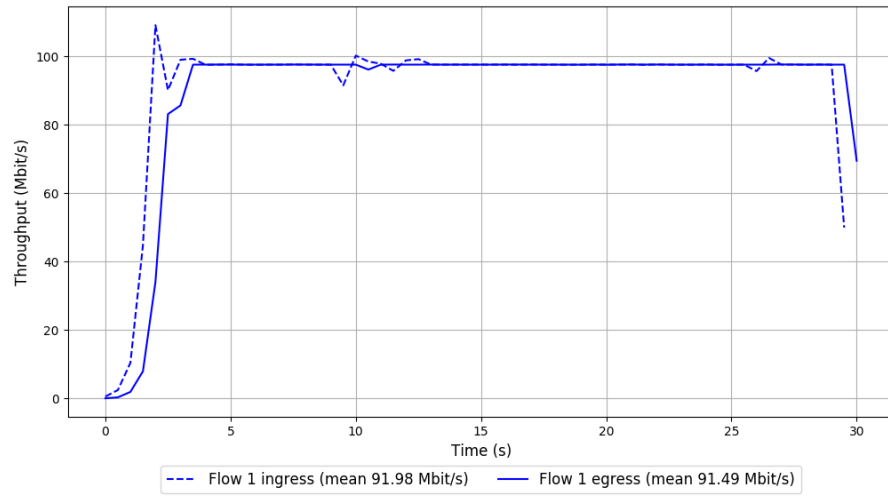


Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-26 19:01:34
End at: 2019-08-26 19:02:04
Local clock offset: 7.555 ms
Remote clock offset: 63.408 ms

Below is generated by plot.py at 2019-08-26 20:07:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.49 Mbit/s
95th percentile per-packet one-way delay: 121.639 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 91.49 Mbit/s
95th percentile per-packet one-way delay: 121.639 ms
Loss rate: 0.51%

Run 4: Report of Muses_DecisionTreeH0 — Data Link

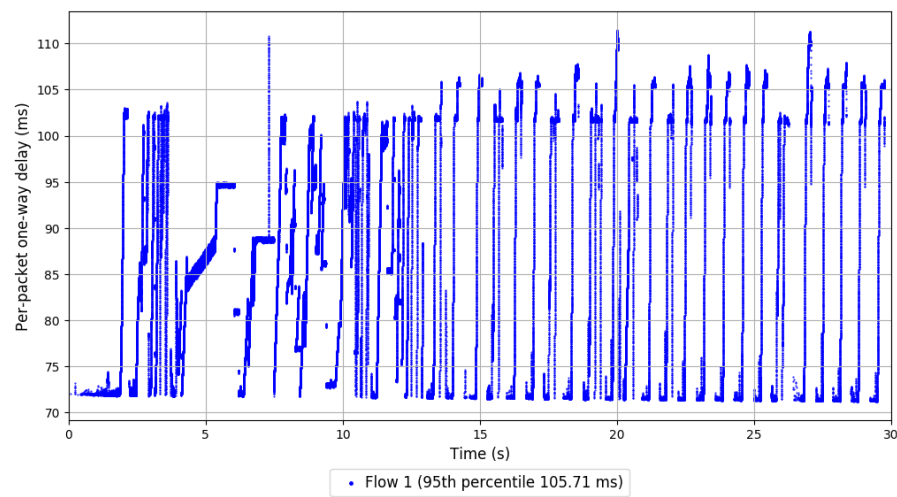
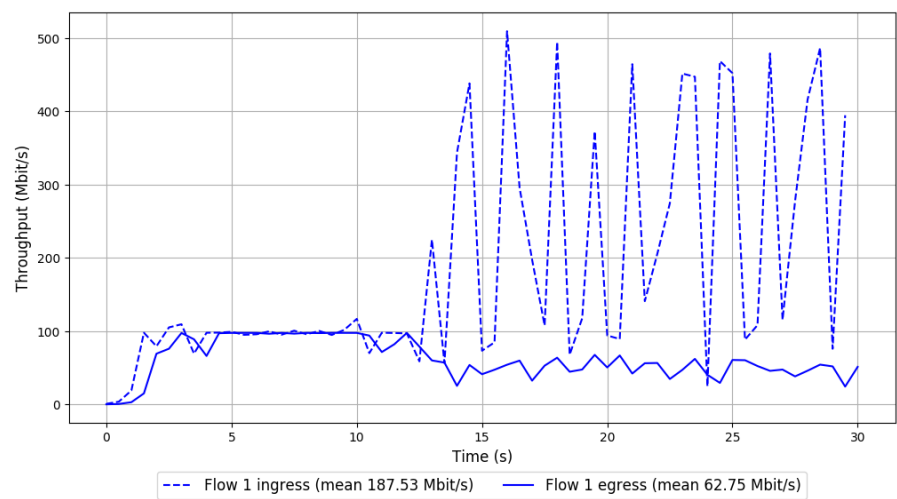


Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-26 19:29:46
End at: 2019-08-26 19:30:16
Local clock offset: 4.874 ms
Remote clock offset: 98.879 ms

Below is generated by plot.py at 2019-08-26 20:07:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.75 Mbit/s
95th percentile per-packet one-way delay: 105.707 ms
Loss rate: 66.51%
-- Flow 1:
Average throughput: 62.75 Mbit/s
95th percentile per-packet one-way delay: 105.707 ms
Loss rate: 66.51%

Run 5: Report of Muses_DecisionTreeH0 — Data Link

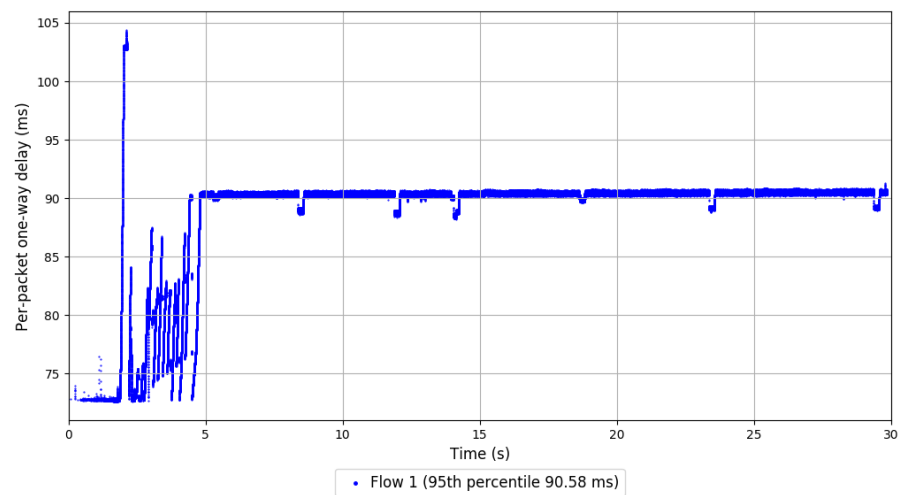
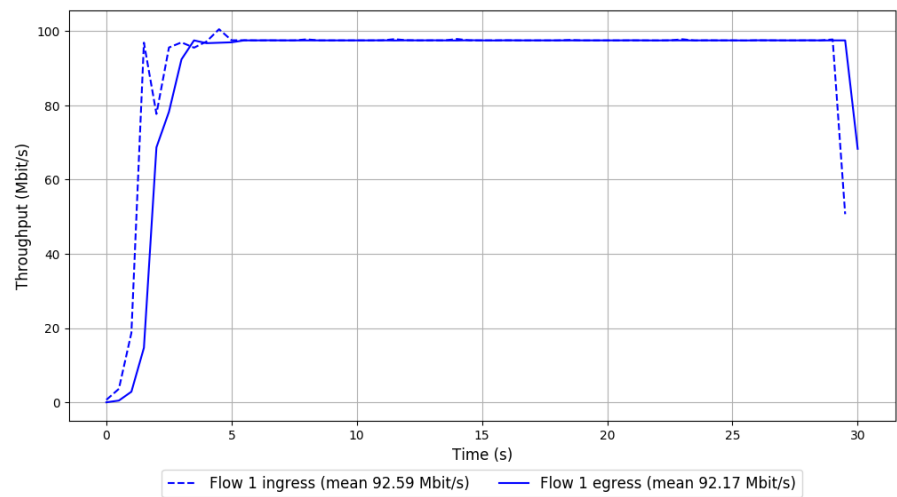


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-08-26 17:41:27
End at: 2019-08-26 17:41:57
Local clock offset: 14.029 ms
Remote clock offset: -94.335 ms

# Below is generated by plot.py at 2019-08-26 20:07:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.17 Mbit/s
95th percentile per-packet one-way delay: 90.580 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 92.17 Mbit/s
95th percentile per-packet one-way delay: 90.580 ms
Loss rate: 0.40%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

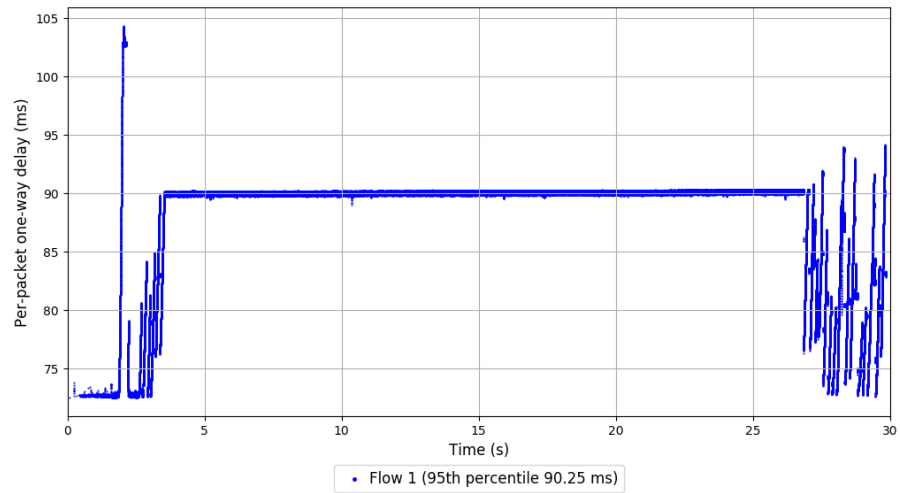
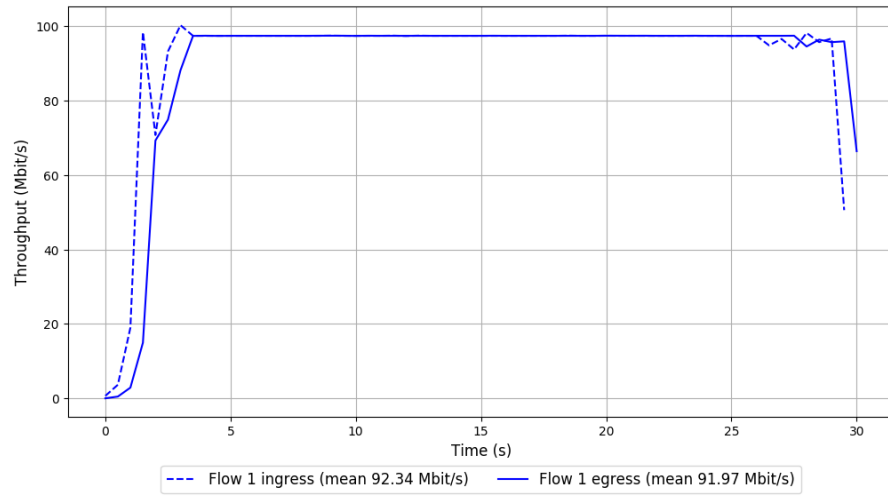


Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-26 18:09:47
End at: 2019-08-26 18:10:17
Local clock offset: 15.641 ms
Remote clock offset: -102.954 ms

Below is generated by plot.py at 2019-08-26 20:08:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.97 Mbit/s
95th percentile per-packet one-way delay: 90.245 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 91.97 Mbit/s
95th percentile per-packet one-way delay: 90.245 ms
Loss rate: 0.37%

Run 2: Report of Muses_DecisionTreeR0 — Data Link

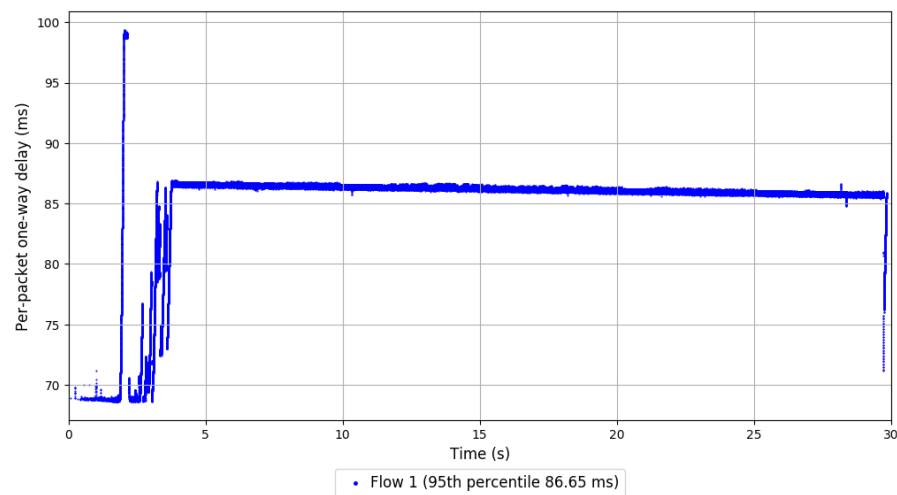
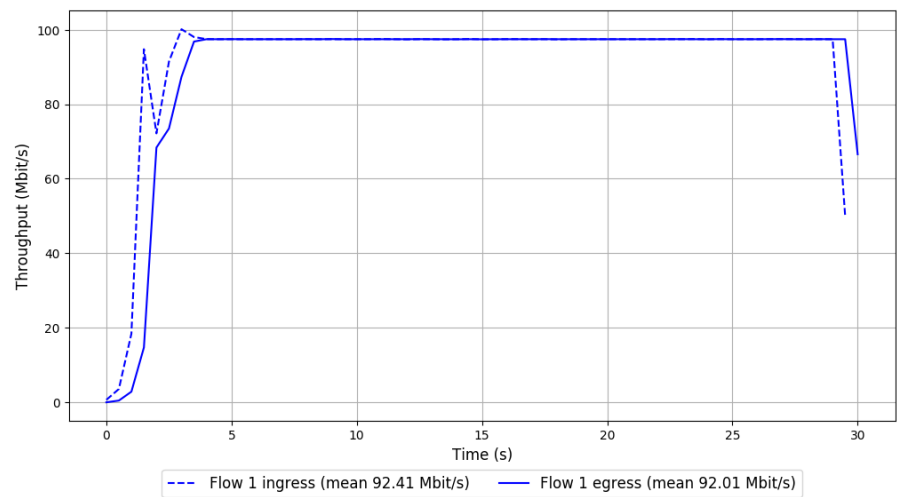


```
Run 3: Statistics of Muses\_DecisionTreeR0

Start at: 2019-08-26 18:38:01
End at: 2019-08-26 18:38:31
Local clock offset: 13.359 ms
Remote clock offset: 25.79 ms

# Below is generated by plot.py at 2019-08-26 20:08:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.01 Mbit/s
95th percentile per-packet one-way delay: 86.653 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 92.01 Mbit/s
95th percentile per-packet one-way delay: 86.653 ms
Loss rate: 0.38%
```

Run 3: Report of Muses_DecisionTreeR0 — Data Link

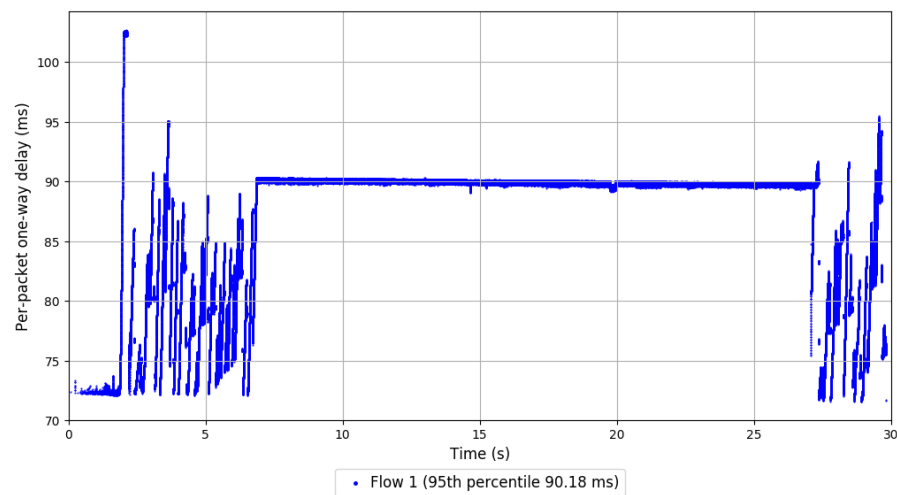
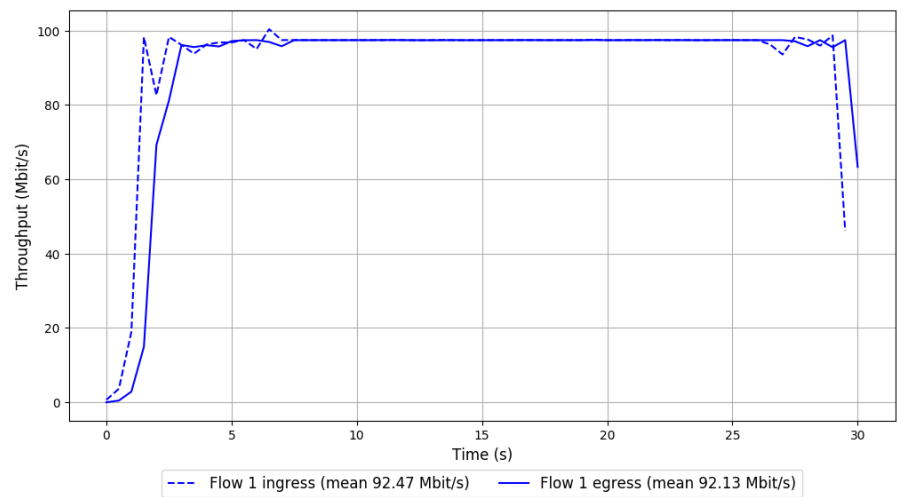


Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-26 19:06:15
End at: 2019-08-26 19:06:45
Local clock offset: 6.819 ms
Remote clock offset: 68.529 ms

Below is generated by plot.py at 2019-08-26 20:08:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.13 Mbit/s
95th percentile per-packet one-way delay: 90.184 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 92.13 Mbit/s
95th percentile per-packet one-way delay: 90.184 ms
Loss rate: 0.38%

Run 4: Report of Muses_DecisionTreeR0 — Data Link

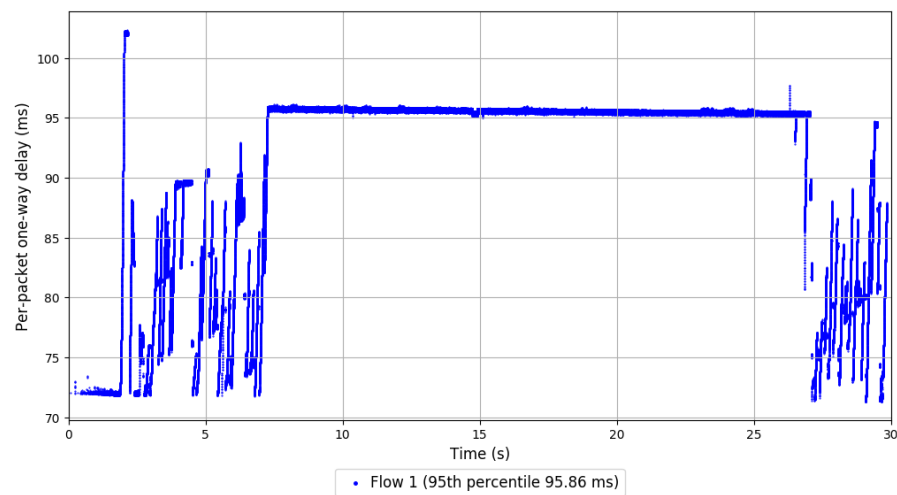
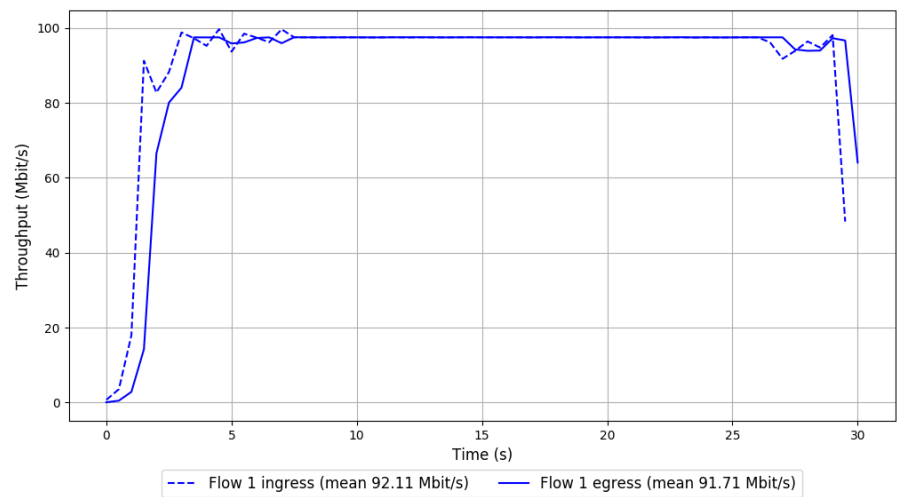


```
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2019-08-26 19:34:27
End at: 2019-08-26 19:34:57
Local clock offset: 3.794 ms
Remote clock offset: 103.178 ms

# Below is generated by plot.py at 2019-08-26 20:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.71 Mbit/s
95th percentile per-packet one-way delay: 95.864 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 91.71 Mbit/s
95th percentile per-packet one-way delay: 95.864 ms
Loss rate: 0.39%
```

Run 5: Report of Muses_DecisionTreeR0 — Data Link

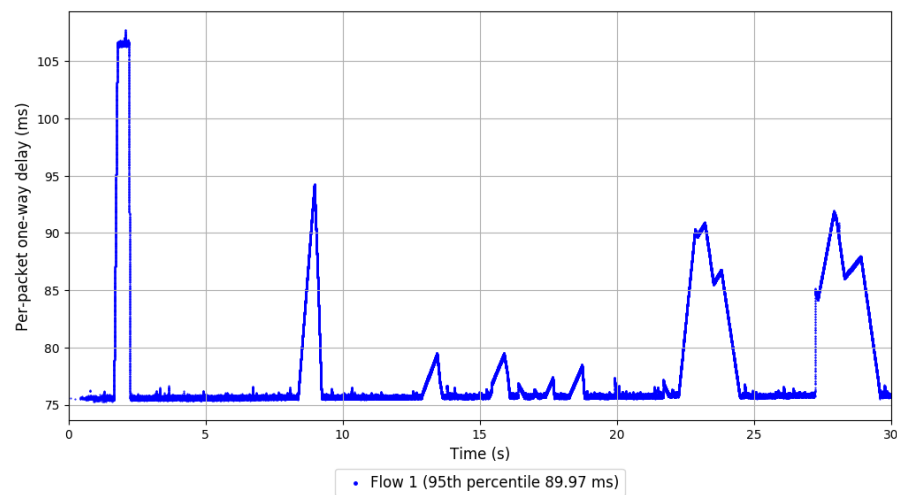
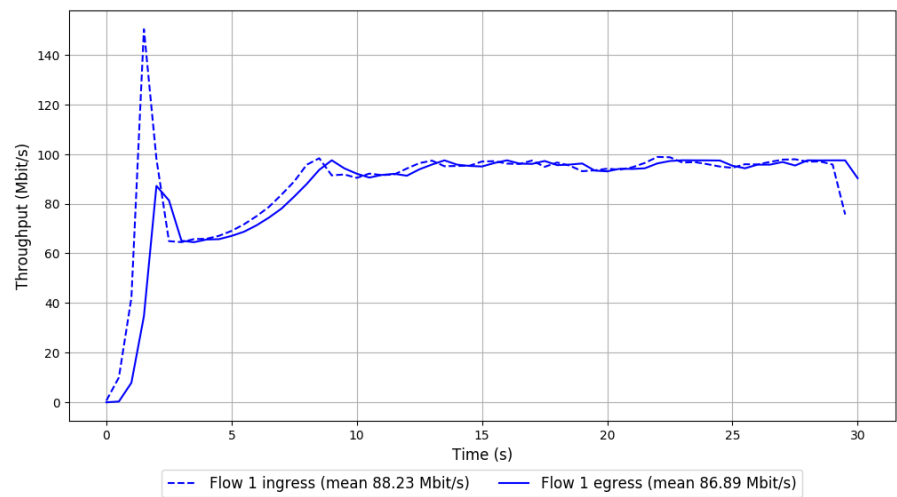


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-08-26 17:57:54
End at: 2019-08-26 17:58:24
Local clock offset: 14.376 ms
Remote clock offset: -97.986 ms

# Below is generated by plot.py at 2019-08-26 20:08:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.89 Mbit/s
95th percentile per-packet one-way delay: 89.968 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 86.89 Mbit/s
95th percentile per-packet one-way delay: 89.968 ms
Loss rate: 1.52%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-08-26 18:26:15

End at: 2019-08-26 18:26:45

Local clock offset: 19.188 ms

Remote clock offset: 3.587 ms

Below is generated by plot.py at 2019-08-26 20:08:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.43 Mbit/s

95th percentile per-packet one-way delay: 87.860 ms

Loss rate: 1.50%

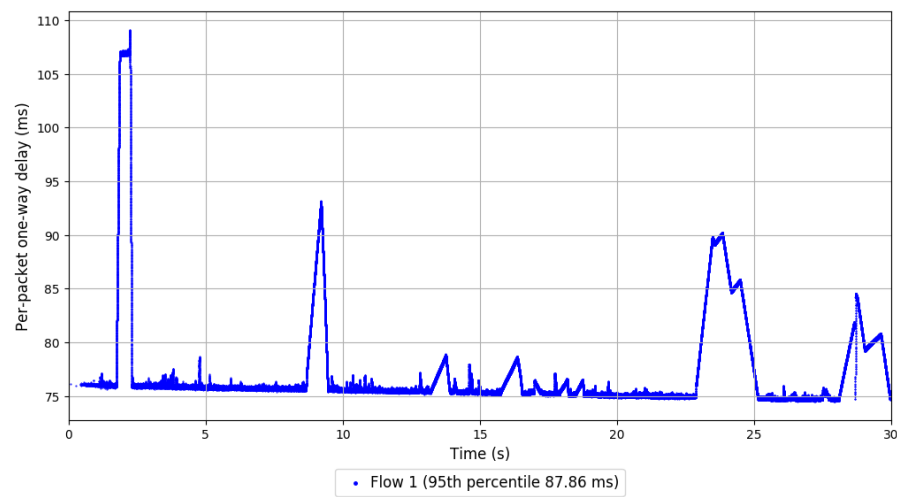
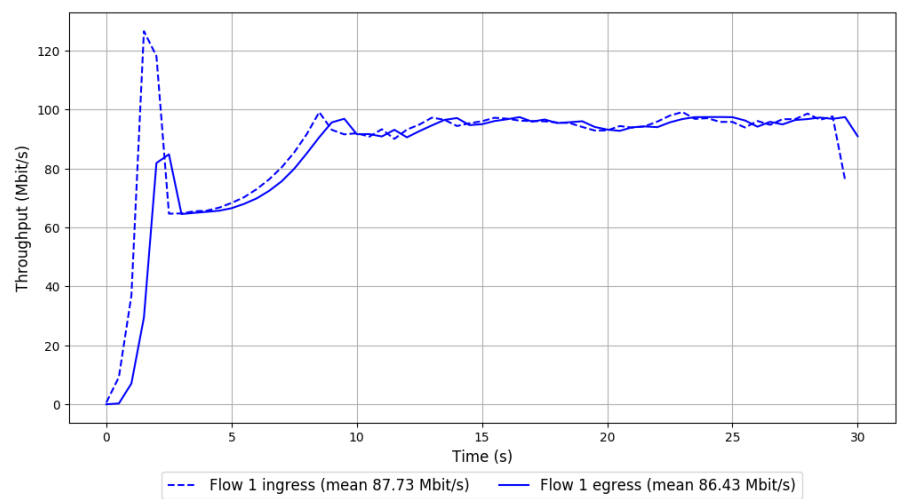
-- Flow 1:

Average throughput: 86.43 Mbit/s

95th percentile per-packet one-way delay: 87.860 ms

Loss rate: 1.50%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-08-26 18:54:29

End at: 2019-08-26 18:54:59

Local clock offset: 8.159 ms

Remote clock offset: 52.976 ms

Below is generated by plot.py at 2019-08-26 20:08:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.77 Mbit/s

95th percentile per-packet one-way delay: 91.832 ms

Loss rate: 1.52%

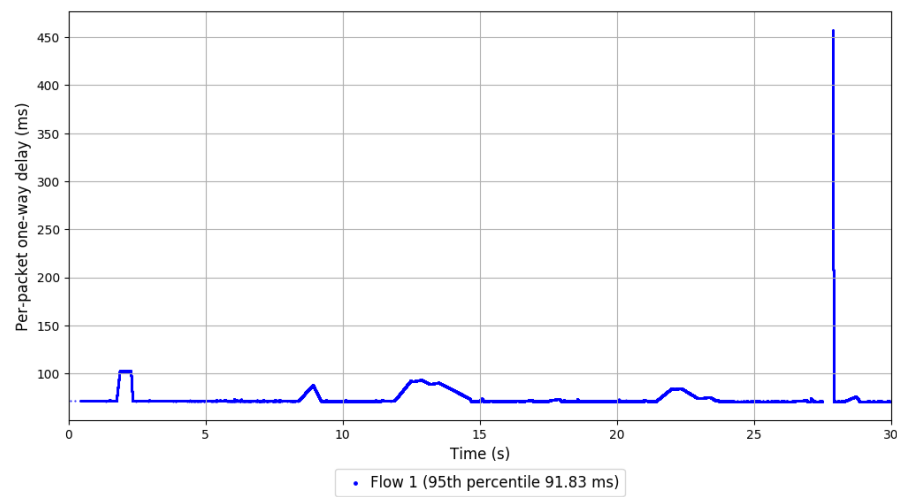
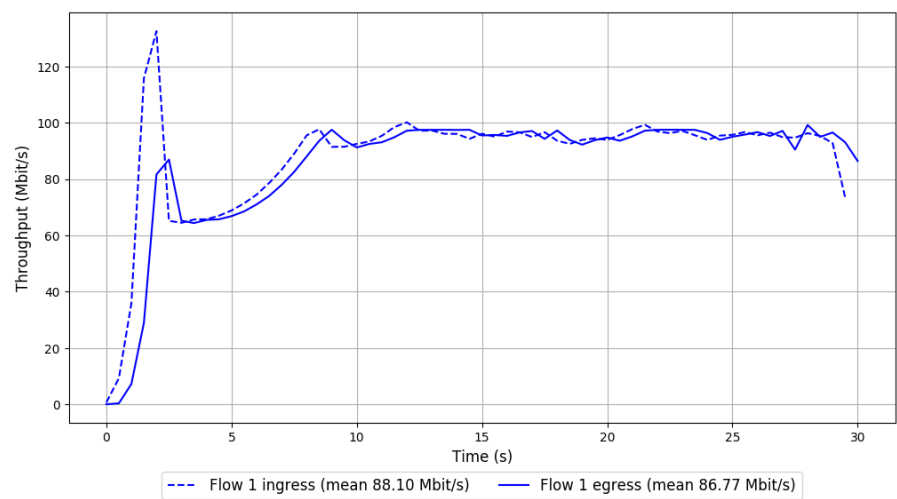
-- Flow 1:

Average throughput: 86.77 Mbit/s

95th percentile per-packet one-way delay: 91.832 ms

Loss rate: 1.52%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-08-26 19:22:42

End at: 2019-08-26 19:23:12

Local clock offset: 5.961 ms

Remote clock offset: 90.592 ms

Below is generated by plot.py at 2019-08-26 20:09:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.87 Mbit/s

95th percentile per-packet one-way delay: 116.557 ms

Loss rate: 1.75%

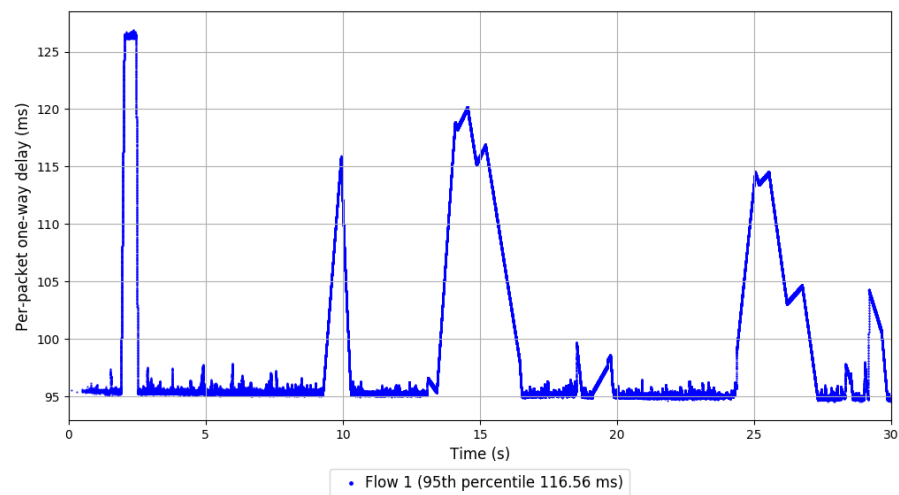
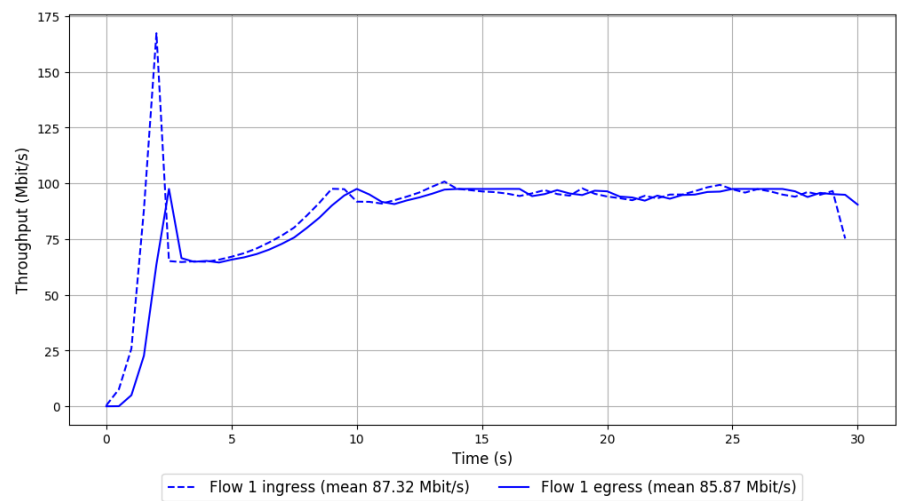
-- Flow 1:

Average throughput: 85.87 Mbit/s

95th percentile per-packet one-way delay: 116.557 ms

Loss rate: 1.75%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-08-26 19:50:56

End at: 2019-08-26 19:51:26

Local clock offset: 2.795 ms

Remote clock offset: 126.832 ms

Below is generated by plot.py at 2019-08-26 20:09:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.15 Mbit/s

95th percentile per-packet one-way delay: 101.240 ms

Loss rate: 1.63%

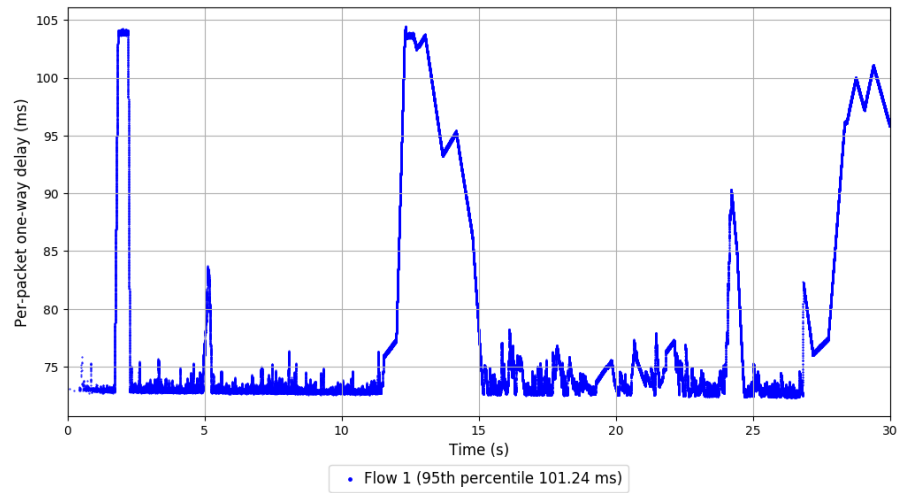
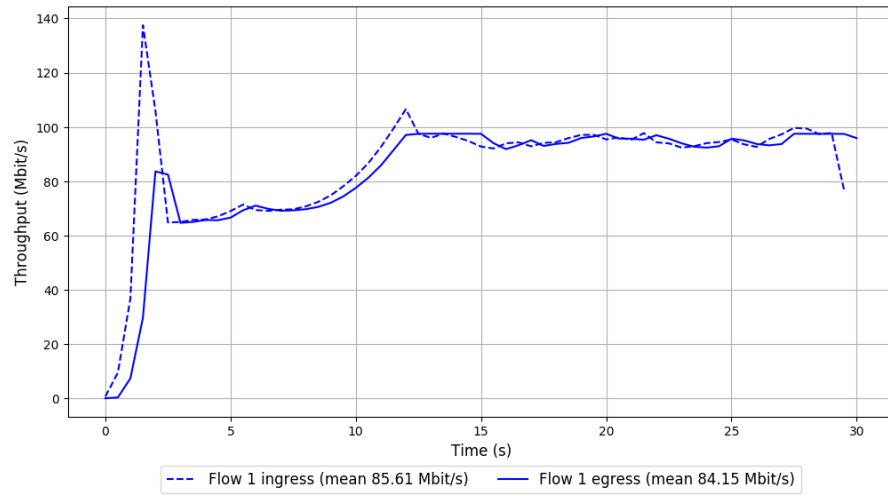
-- Flow 1:

Average throughput: 84.15 Mbit/s

95th percentile per-packet one-way delay: 101.240 ms

Loss rate: 1.63%

Run 5: Report of PCC-Allegro — Data Link

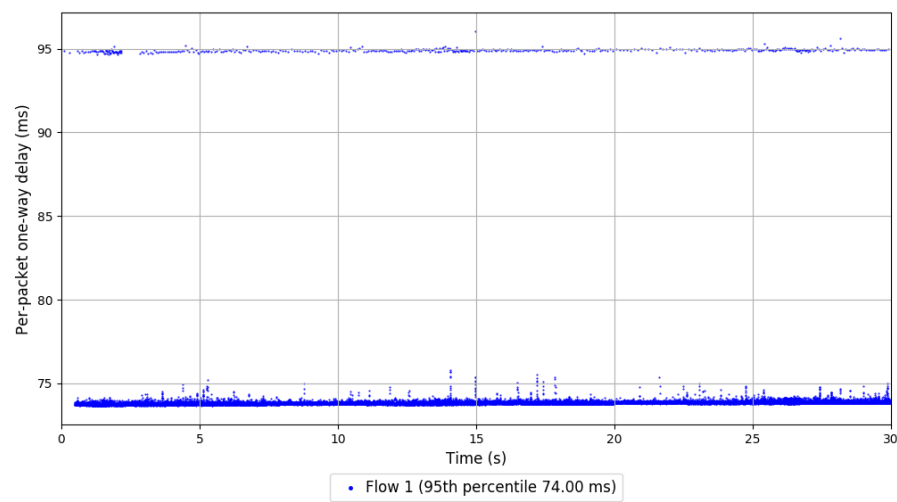
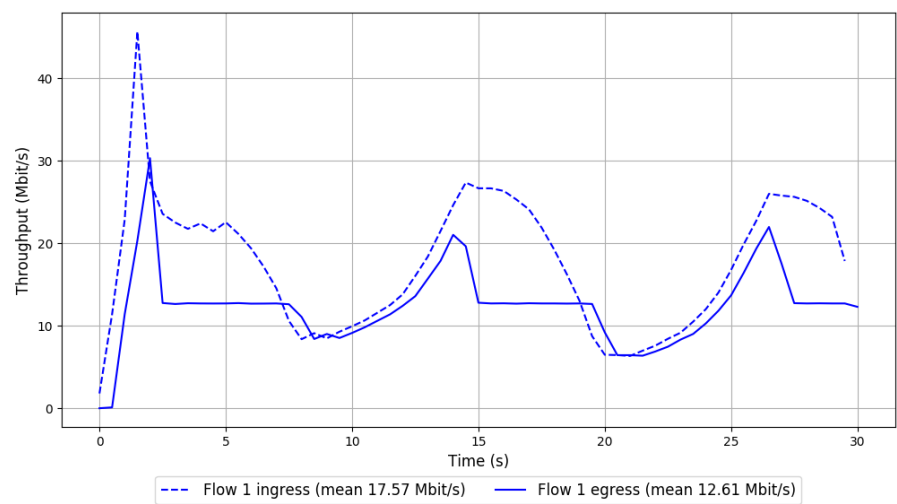


Run 1: Statistics of PCC-Expr

Start at: 2019-08-26 17:55:37
End at: 2019-08-26 17:56:07
Local clock offset: 15.057 ms
Remote clock offset: -99.15 ms

Below is generated by plot.py at 2019-08-26 20:09:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.61 Mbit/s
95th percentile per-packet one-way delay: 73.999 ms
Loss rate: 28.28%
-- Flow 1:
Average throughput: 12.61 Mbit/s
95th percentile per-packet one-way delay: 73.999 ms
Loss rate: 28.28%

Run 1: Report of PCC-Expr — Data Link

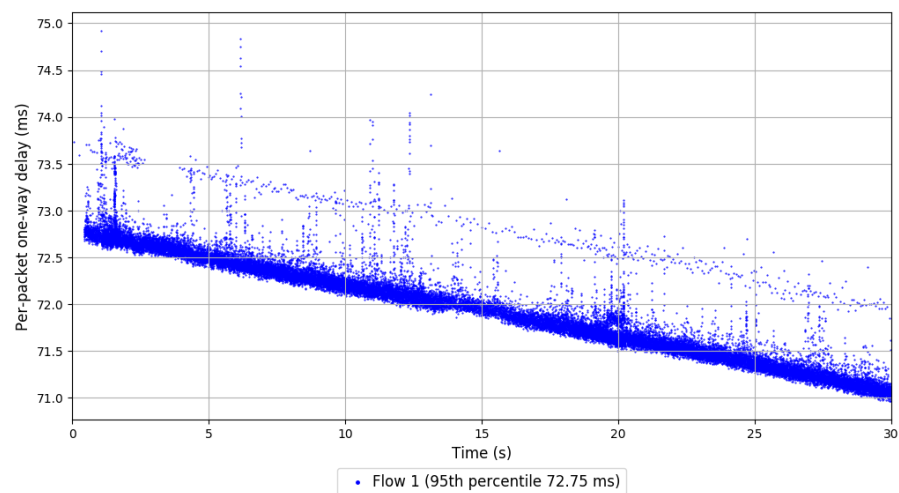
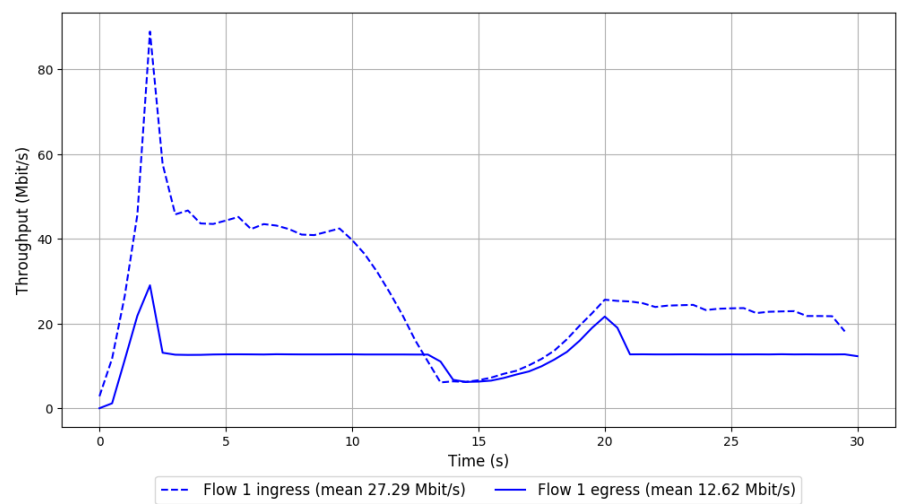


Run 2: Statistics of PCC-Expr

Start at: 2019-08-26 18:23:58
End at: 2019-08-26 18:24:28
Local clock offset: 19.224 ms
Remote clock offset: -4.895 ms

Below is generated by plot.py at 2019-08-26 20:09:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.62 Mbit/s
95th percentile per-packet one-way delay: 72.747 ms
Loss rate: 53.77%
-- Flow 1:
Average throughput: 12.62 Mbit/s
95th percentile per-packet one-way delay: 72.747 ms
Loss rate: 53.77%

Run 2: Report of PCC-Expr — Data Link

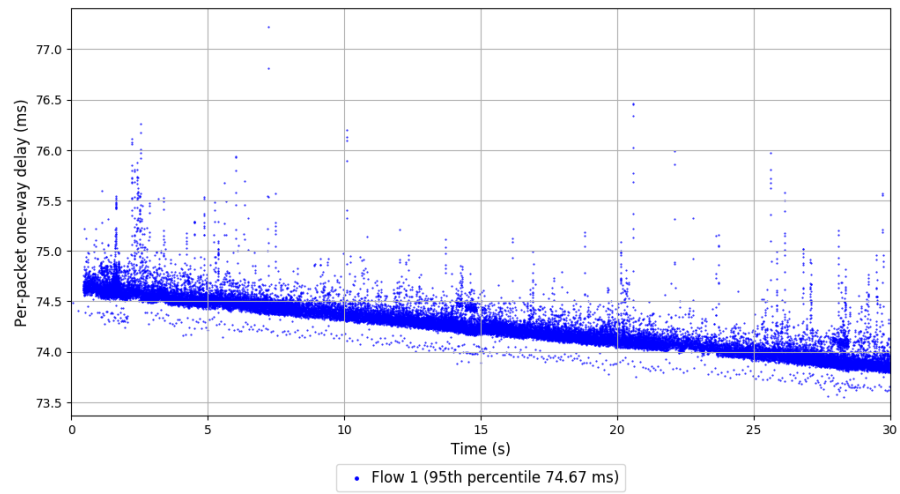
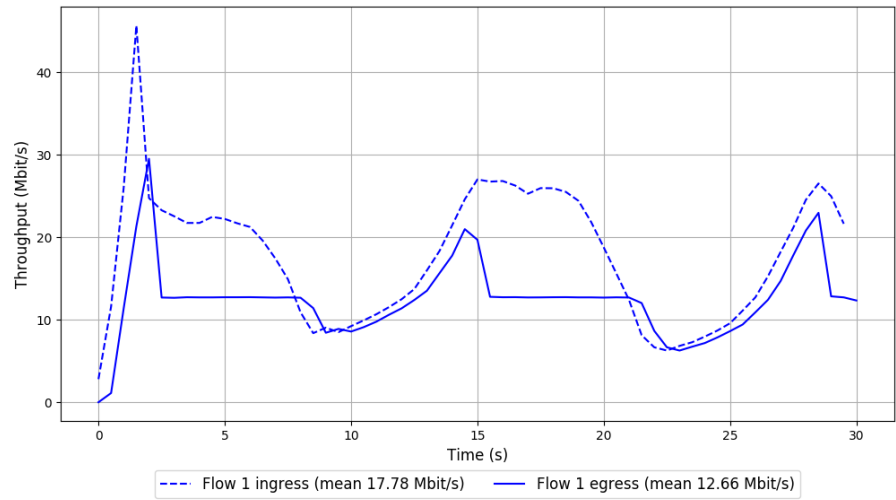


Run 3: Statistics of PCC-Expr

Start at: 2019-08-26 18:52:12
End at: 2019-08-26 18:52:42
Local clock offset: 7.858 ms
Remote clock offset: 50.359 ms

Below is generated by plot.py at 2019-08-26 20:09:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.66 Mbit/s
95th percentile per-packet one-way delay: 74.669 ms
Loss rate: 28.84%
-- Flow 1:
Average throughput: 12.66 Mbit/s
95th percentile per-packet one-way delay: 74.669 ms
Loss rate: 28.84%

Run 3: Report of PCC-Expr — Data Link

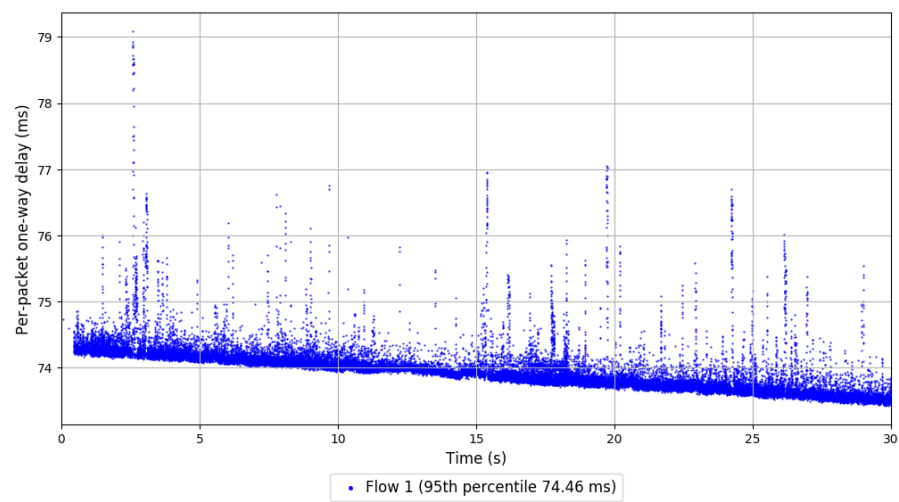
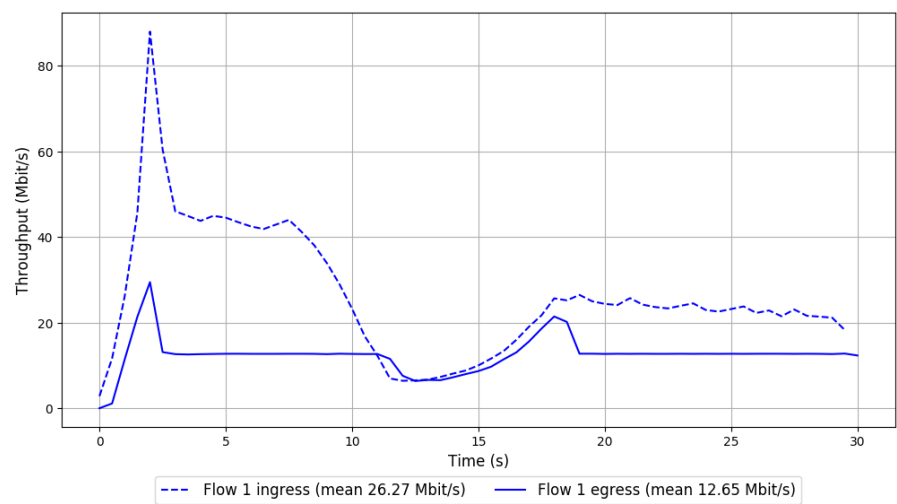


Run 4: Statistics of PCC-Expr

Start at: 2019-08-26 19:20:25
End at: 2019-08-26 19:20:55
Local clock offset: 6.546 ms
Remote clock offset: 87.591 ms

Below is generated by plot.py at 2019-08-26 20:09:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.65 Mbit/s
95th percentile per-packet one-way delay: 74.457 ms
Loss rate: 51.85%
-- Flow 1:
Average throughput: 12.65 Mbit/s
95th percentile per-packet one-way delay: 74.457 ms
Loss rate: 51.85%

Run 4: Report of PCC-Expr — Data Link

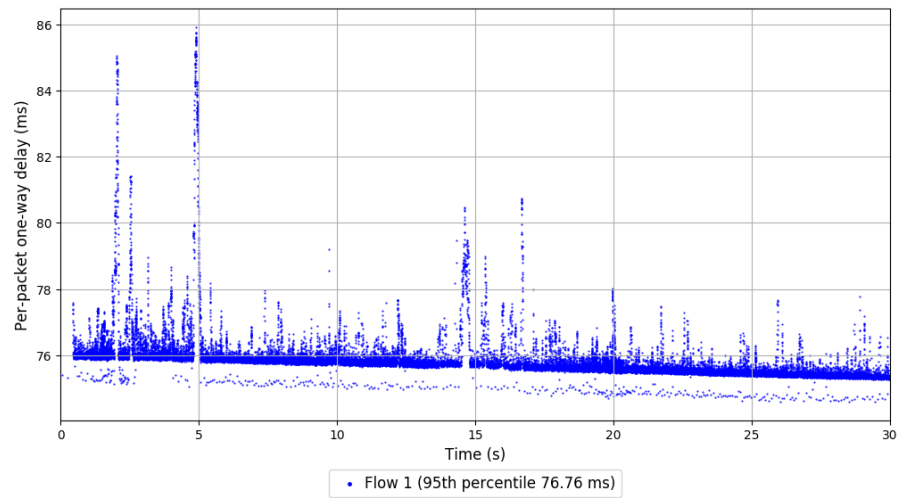
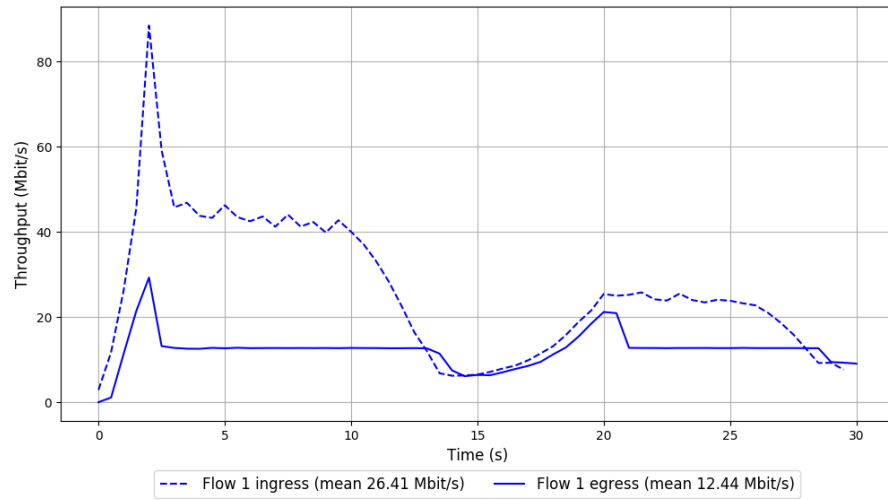


Run 5: Statistics of PCC-Expr

Start at: 2019-08-26 19:48:39
End at: 2019-08-26 19:49:09
Local clock offset: 2.795 ms
Remote clock offset: 124.516 ms

Below is generated by plot.py at 2019-08-26 20:09:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.44 Mbit/s
95th percentile per-packet one-way delay: 76.762 ms
Loss rate: 52.88%
-- Flow 1:
Average throughput: 12.44 Mbit/s
95th percentile per-packet one-way delay: 76.762 ms
Loss rate: 52.88%

Run 5: Report of PCC-Expr — Data Link

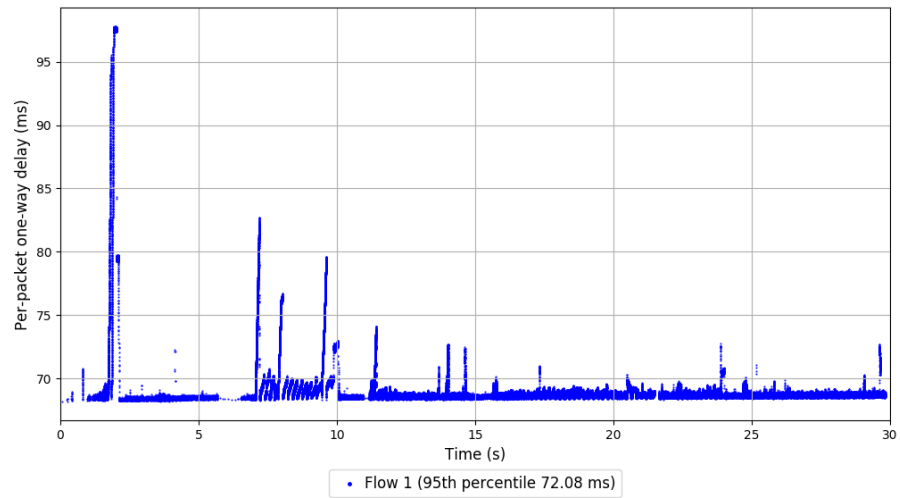
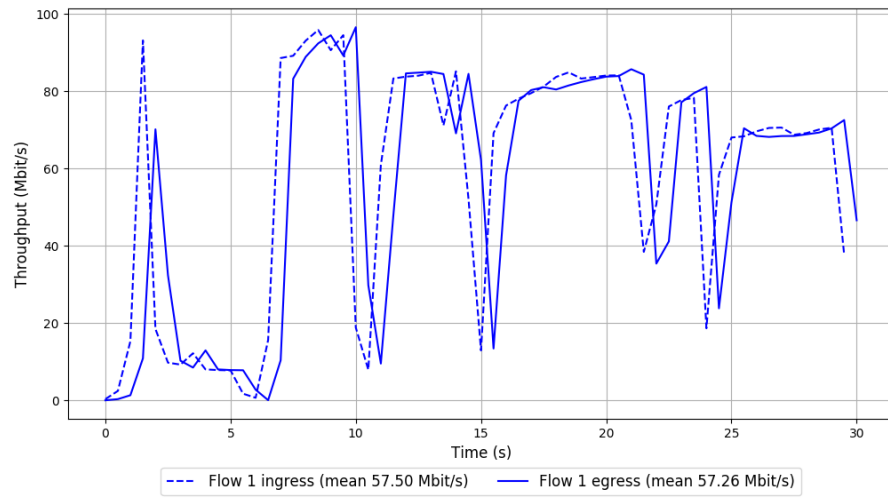


Run 1: Statistics of QUIC Cubic

Start at: 2019-08-26 17:43:52
End at: 2019-08-26 17:44:22
Local clock offset: 14.512 ms
Remote clock offset: -99.172 ms

Below is generated by plot.py at 2019-08-26 20:09:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.26 Mbit/s
95th percentile per-packet one-way delay: 72.075 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 57.26 Mbit/s
95th percentile per-packet one-way delay: 72.075 ms
Loss rate: 0.42%

Run 1: Report of QUIC Cubic — Data Link

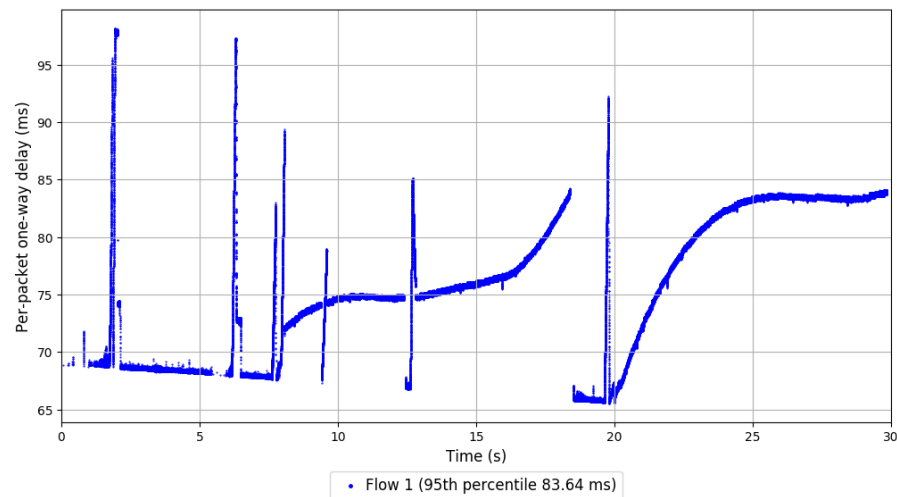
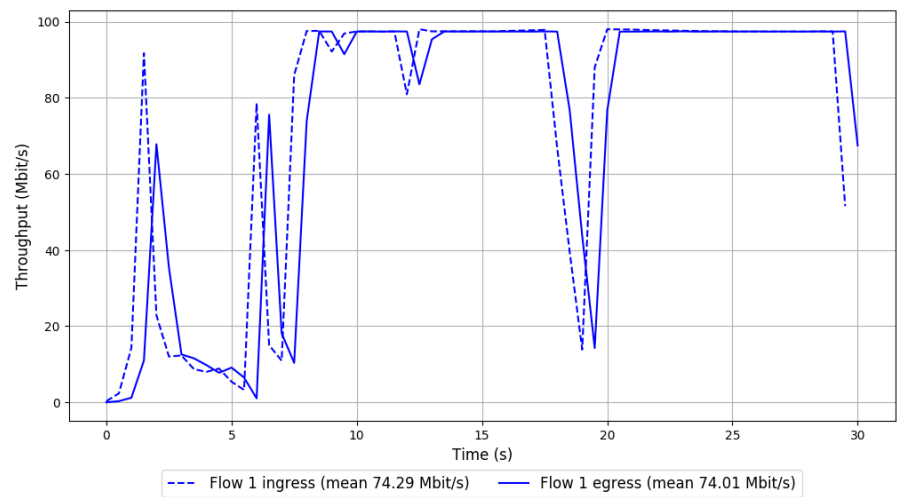


Run 2: Statistics of QUIC Cubic

Start at: 2019-08-26 18:12:11
End at: 2019-08-26 18:12:41
Local clock offset: 16.055 ms
Remote clock offset: -85.111 ms

Below is generated by plot.py at 2019-08-26 20:09:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.01 Mbit/s
95th percentile per-packet one-way delay: 83.642 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 74.01 Mbit/s
95th percentile per-packet one-way delay: 83.642 ms
Loss rate: 0.34%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-08-26 18:40:25

End at: 2019-08-26 18:40:55

Local clock offset: 11.664 ms

Remote clock offset: 31.891 ms

Below is generated by plot.py at 2019-08-26 20:09:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.76 Mbit/s

95th percentile per-packet one-way delay: 83.521 ms

Loss rate: 0.34%

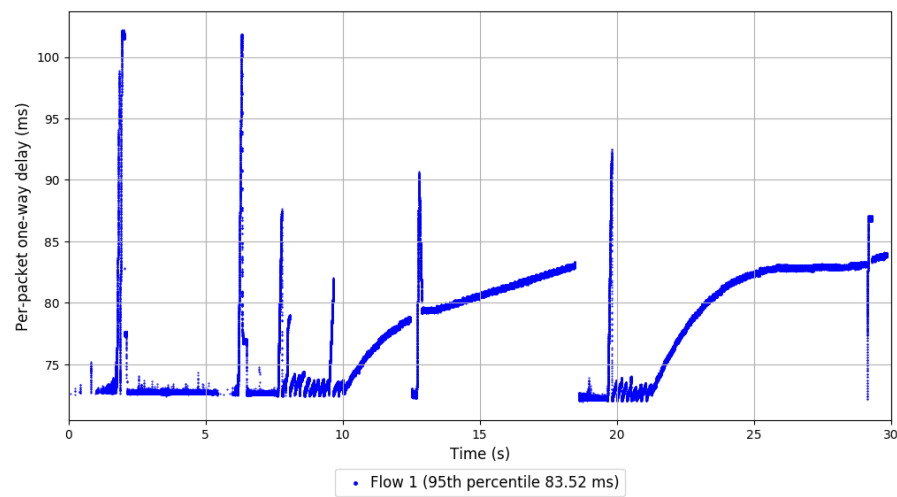
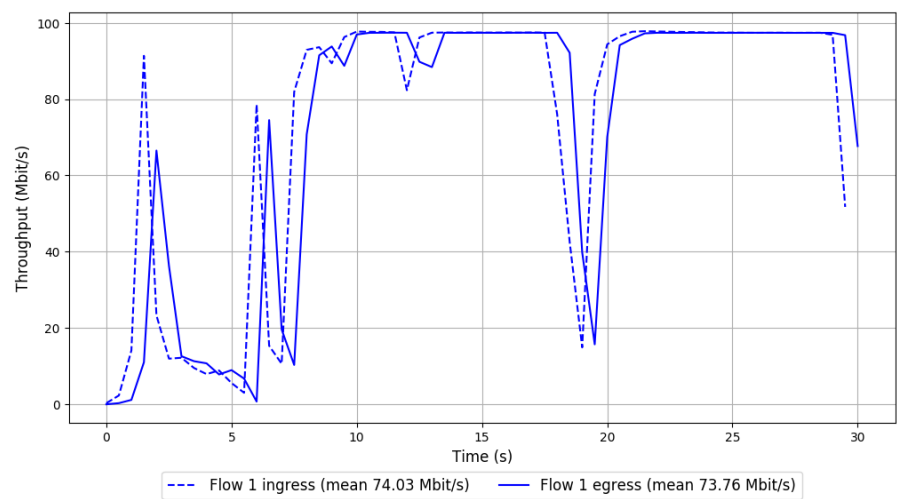
-- Flow 1:

Average throughput: 73.76 Mbit/s

95th percentile per-packet one-way delay: 83.521 ms

Loss rate: 0.34%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-08-26 19:08:39

End at: 2019-08-26 19:09:09

Local clock offset: 7.724 ms

Remote clock offset: 73.487 ms

Below is generated by plot.py at 2019-08-26 20:09:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.76 Mbit/s

95th percentile per-packet one-way delay: 92.815 ms

Loss rate: 0.37%

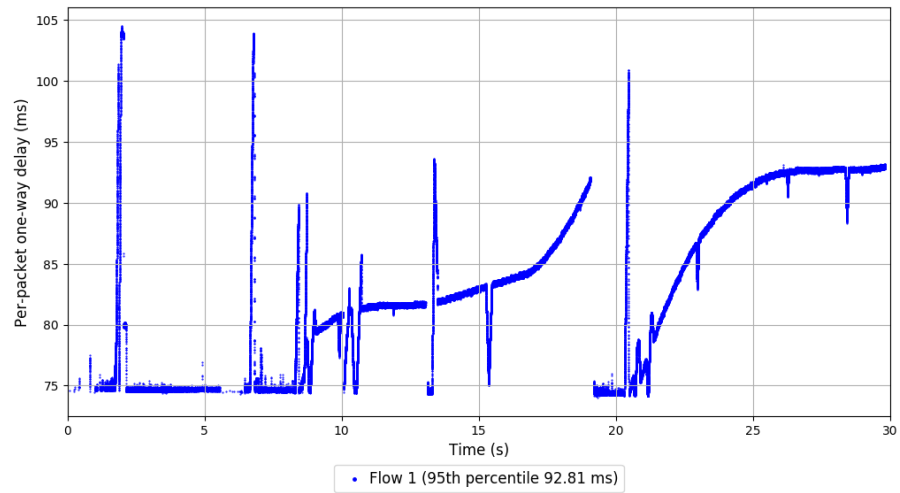
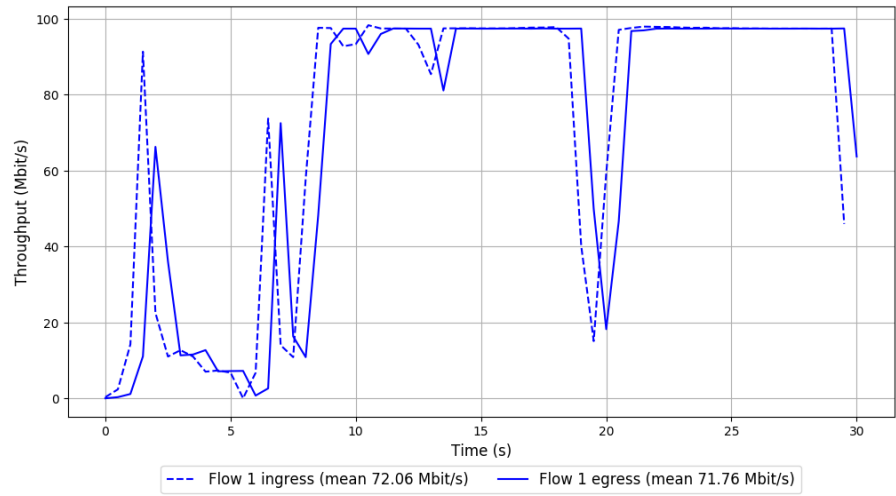
-- Flow 1:

Average throughput: 71.76 Mbit/s

95th percentile per-packet one-way delay: 92.815 ms

Loss rate: 0.37%

Run 4: Report of QUIC Cubic — Data Link

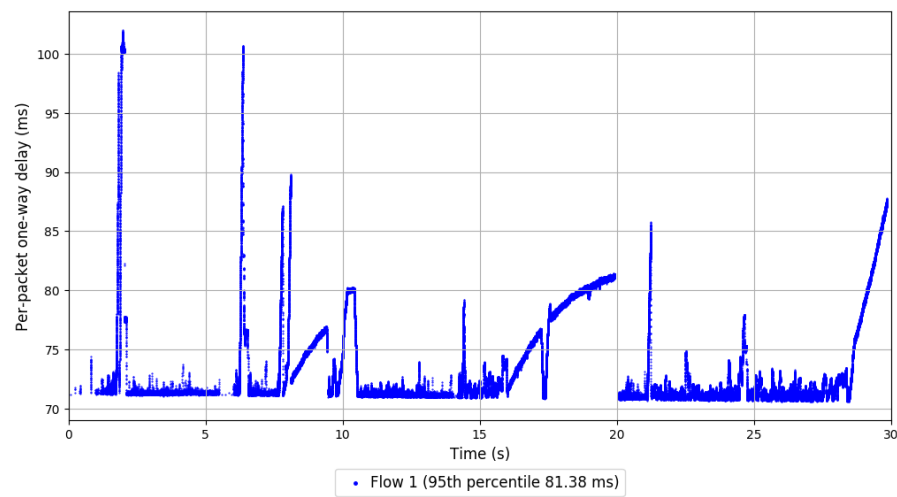
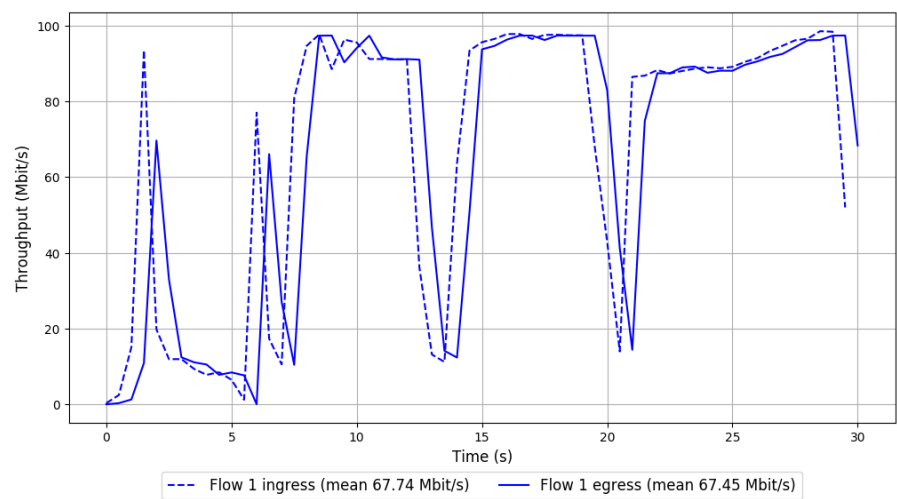


Run 5: Statistics of QUIC Cubic

Start at: 2019-08-26 19:36:51
End at: 2019-08-26 19:37:21
Local clock offset: 3.529 ms
Remote clock offset: 107.045 ms

Below is generated by plot.py at 2019-08-26 20:09:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.45 Mbit/s
95th percentile per-packet one-way delay: 81.379 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 67.45 Mbit/s
95th percentile per-packet one-way delay: 81.379 ms
Loss rate: 0.37%

Run 5: Report of QUIC Cubic — Data Link

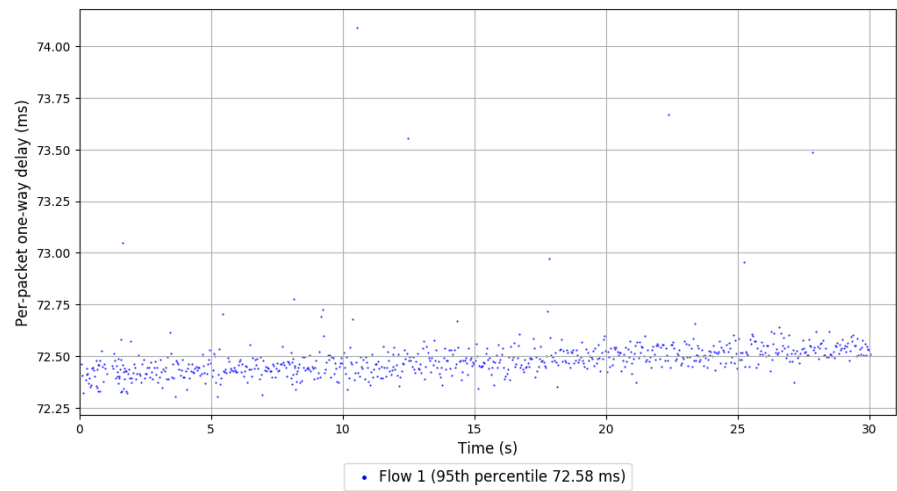
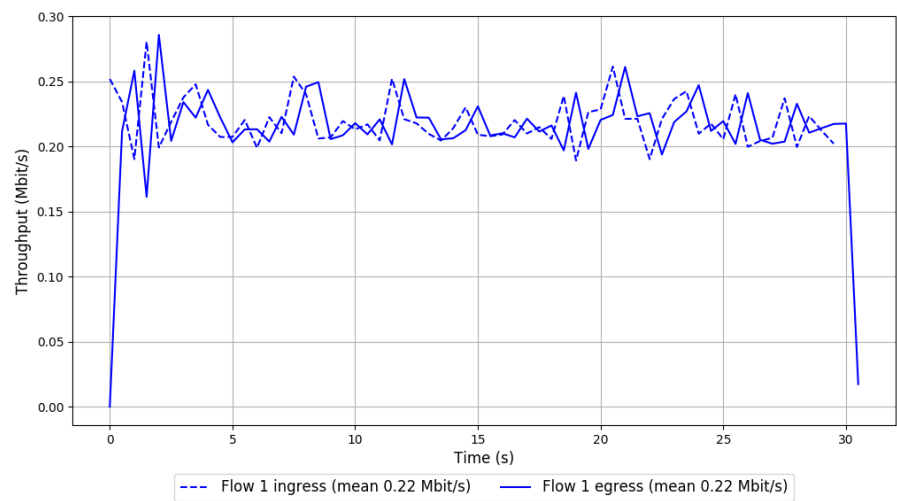


Run 1: Statistics of SCReAM

Start at: 2019-08-26 17:52:11
End at: 2019-08-26 17:52:41
Local clock offset: 14.972 ms
Remote clock offset: -97.448 ms

Below is generated by plot.py at 2019-08-26 20:09:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 72.582 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 72.582 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

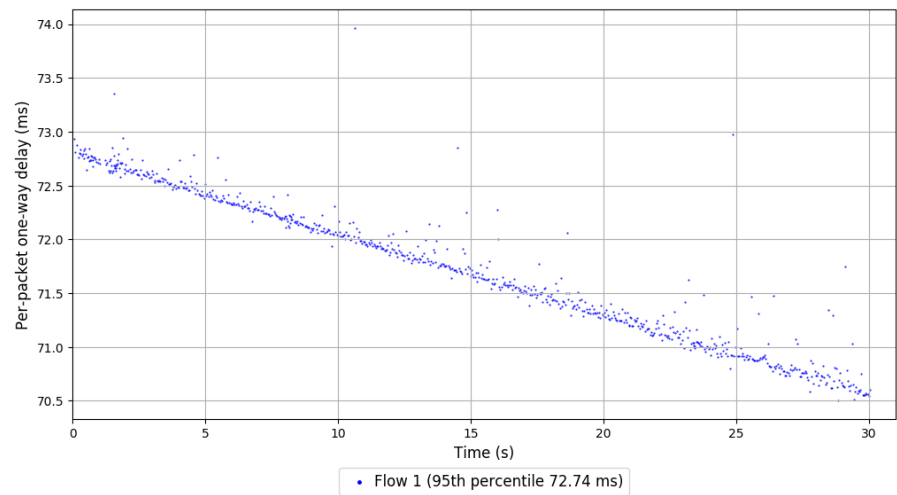
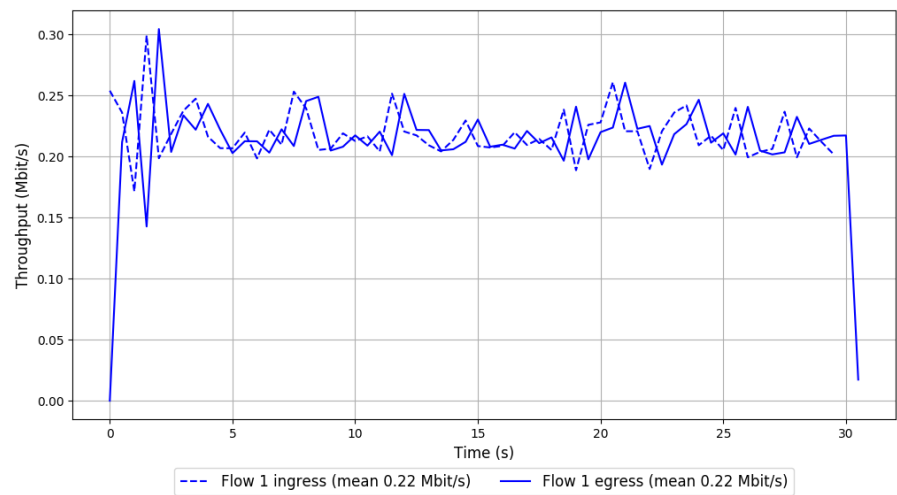


Run 2: Statistics of SCReAM

Start at: 2019-08-26 18:20:31
End at: 2019-08-26 18:21:01
Local clock offset: 18.478 ms
Remote clock offset: -20.069 ms

Below is generated by plot.py at 2019-08-26 20:09:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 72.739 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 72.739 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2019-08-26 18:48:46

End at: 2019-08-26 18:49:16

Local clock offset: 8.626 ms

Remote clock offset: 45.58 ms

Below is generated by plot.py at 2019-08-26 20:09:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 74.102 ms

Loss rate: 0.00%

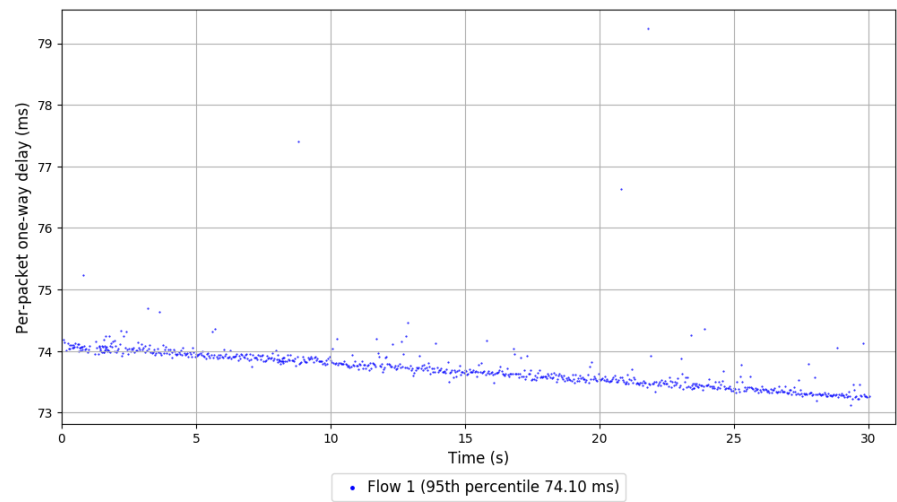
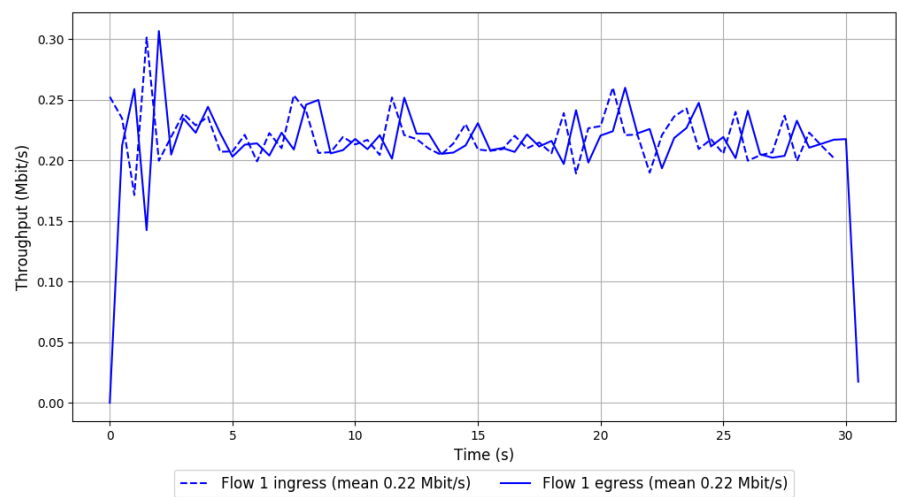
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 74.102 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

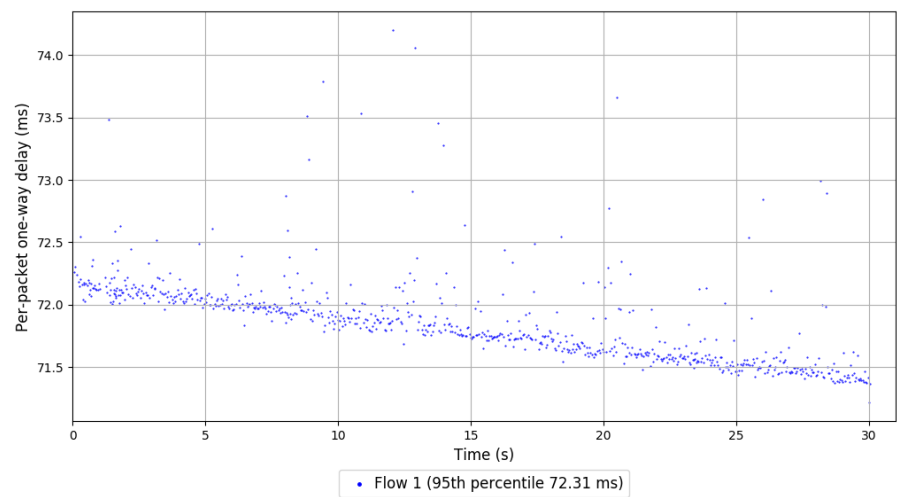
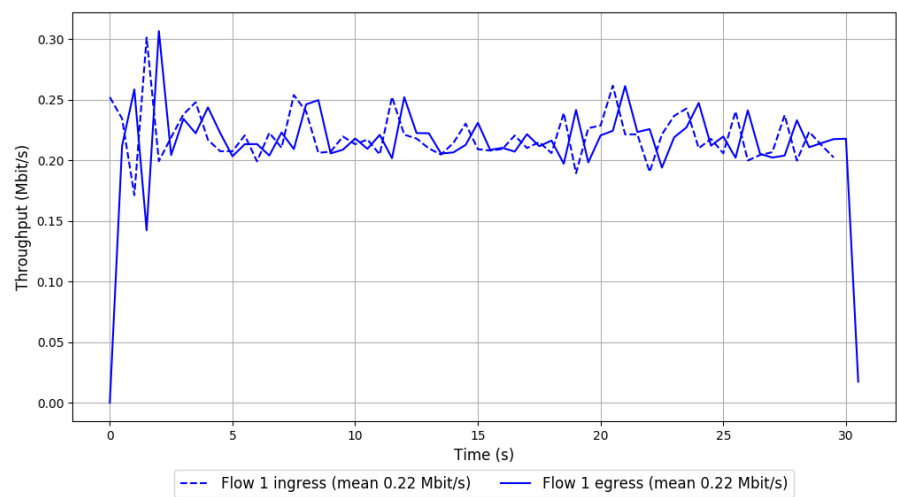


Run 4: Statistics of SCReAM

Start at: 2019-08-26 19:16:58
End at: 2019-08-26 19:17:28
Local clock offset: 6.464 ms
Remote clock offset: 82.325 ms

Below is generated by plot.py at 2019-08-26 20:09:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 72.307 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 72.307 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

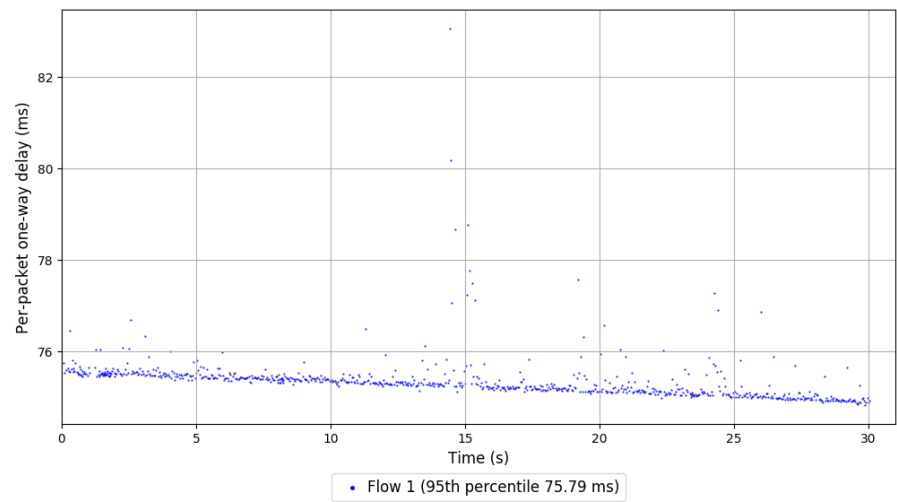
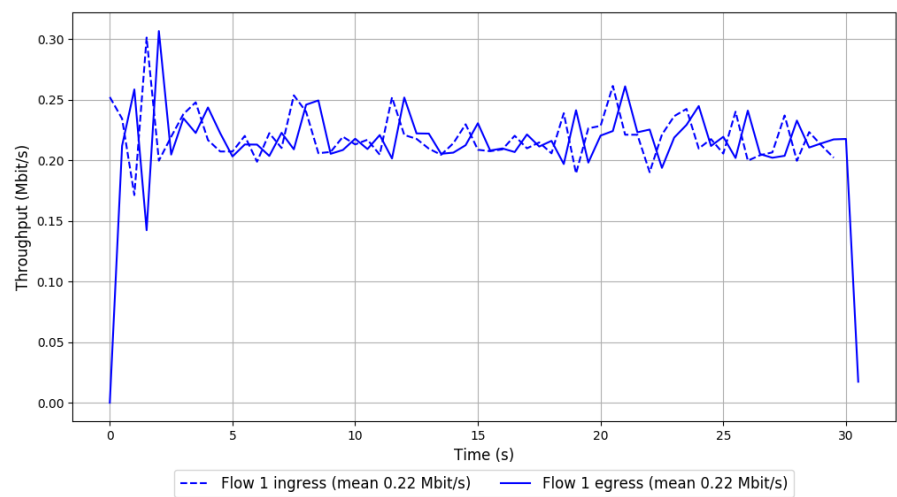


Run 5: Statistics of SCReAM

Start at: 2019-08-26 19:45:13
End at: 2019-08-26 19:45:43
Local clock offset: 2.854 ms
Remote clock offset: 120.379 ms

Below is generated by plot.py at 2019-08-26 20:09:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 75.791 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 75.791 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

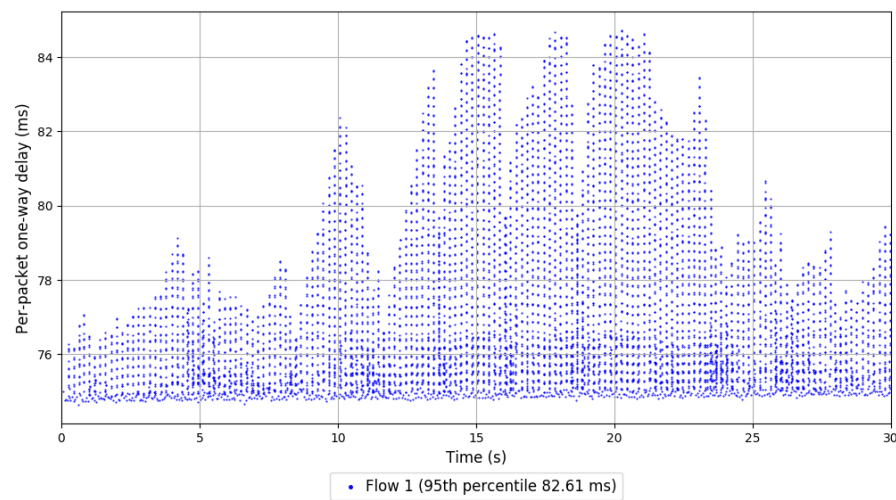
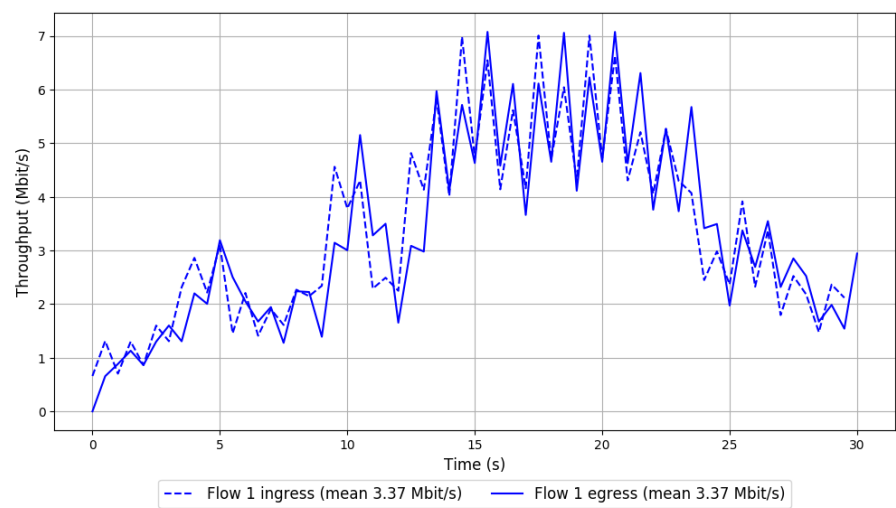


Run 1: Statistics of Sprout

Start at: 2019-08-26 17:56:46
End at: 2019-08-26 17:57:16
Local clock offset: 14.331 ms
Remote clock offset: -99.103 ms

Below is generated by plot.py at 2019-08-26 20:09:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.37 Mbit/s
95th percentile per-packet one-way delay: 82.613 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.37 Mbit/s
95th percentile per-packet one-way delay: 82.613 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

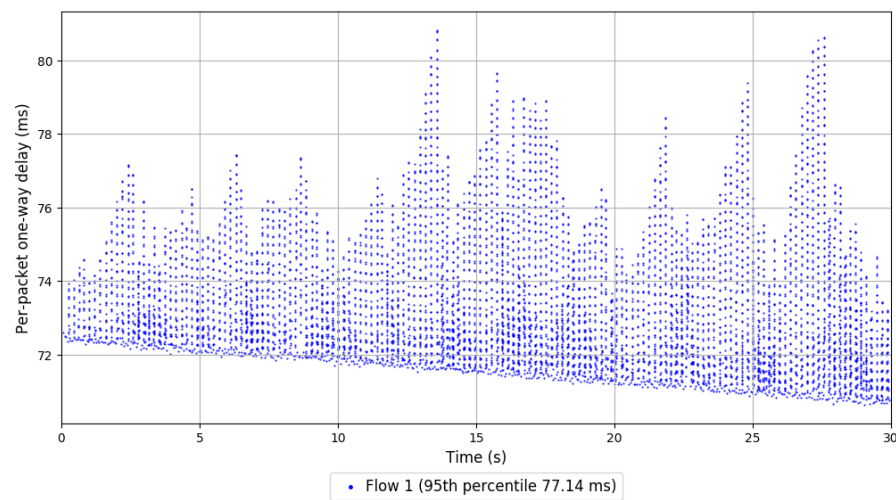
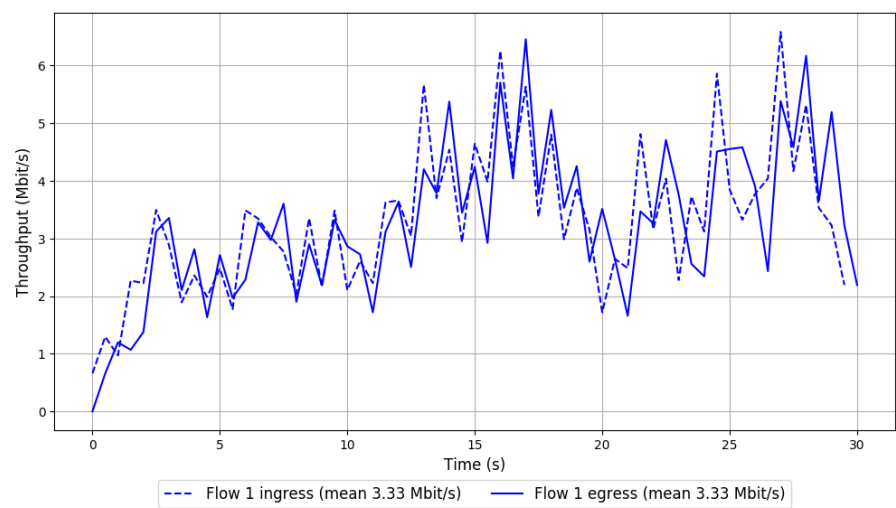


Run 2: Statistics of Sprout

Start at: 2019-08-26 18:25:07
End at: 2019-08-26 18:25:37
Local clock offset: 19.352 ms
Remote clock offset: -1.773 ms

Below is generated by plot.py at 2019-08-26 20:09:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.33 Mbit/s
95th percentile per-packet one-way delay: 77.145 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.33 Mbit/s
95th percentile per-packet one-way delay: 77.145 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

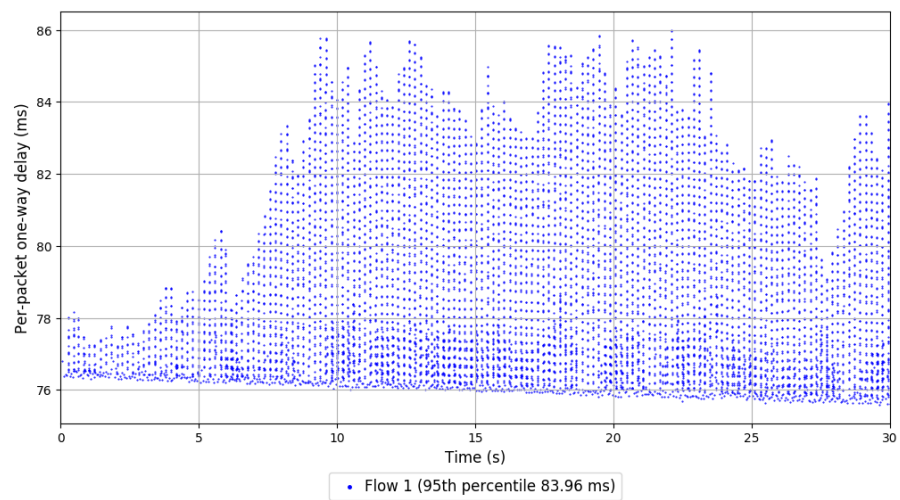
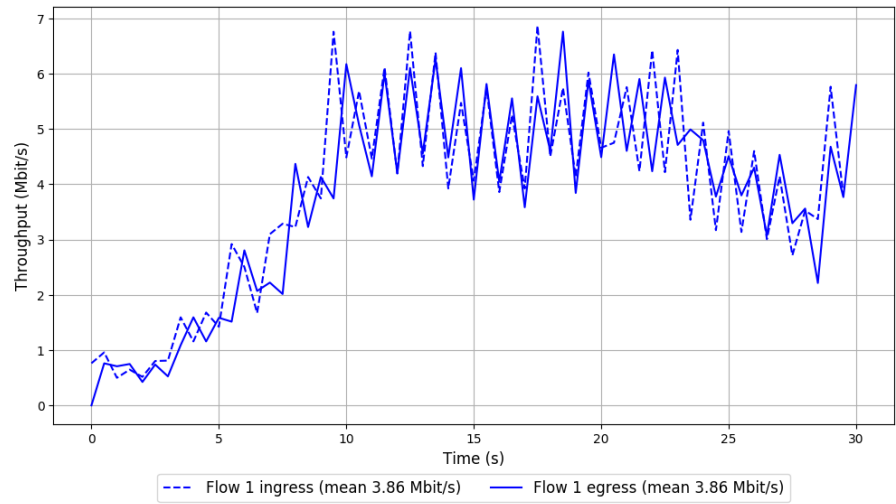


Run 3: Statistics of Sprout

Start at: 2019-08-26 18:53:21
End at: 2019-08-26 18:53:51
Local clock offset: 7.65 ms
Remote clock offset: 52.644 ms

Below is generated by plot.py at 2019-08-26 20:09:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 83.964 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 83.964 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

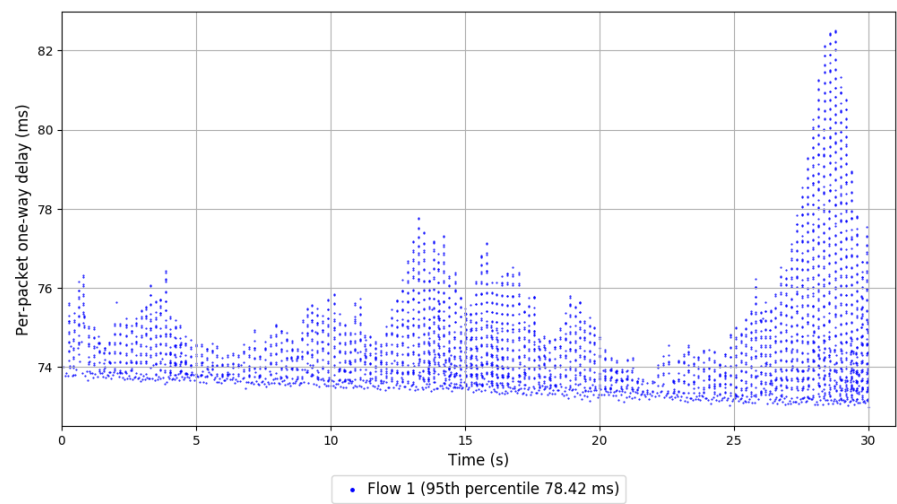
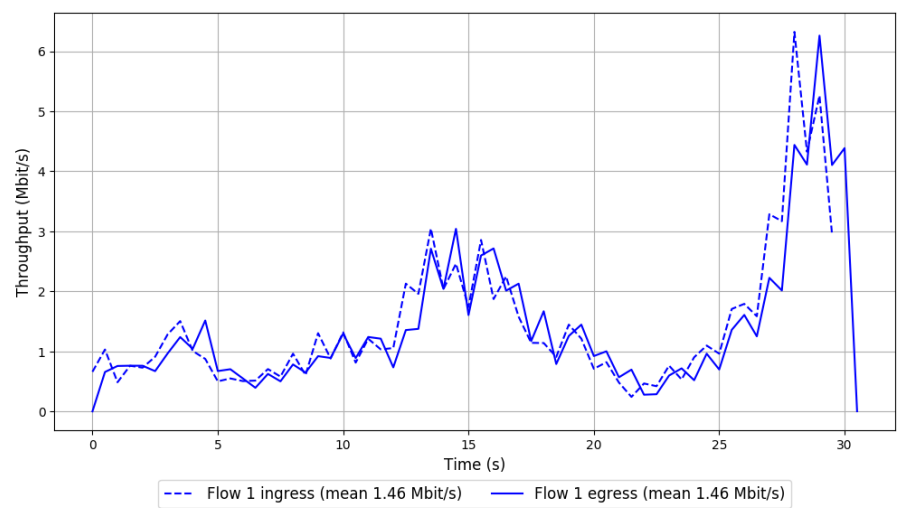


Run 4: Statistics of Sprout

Start at: 2019-08-26 19:21:34
End at: 2019-08-26 19:22:04
Local clock offset: 6.267 ms
Remote clock offset: 88.711 ms

Below is generated by plot.py at 2019-08-26 20:09:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 78.424 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 78.424 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

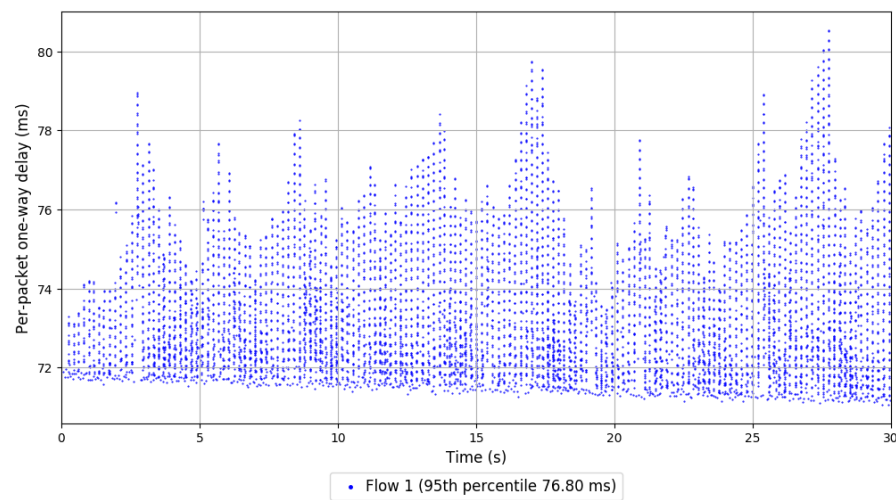
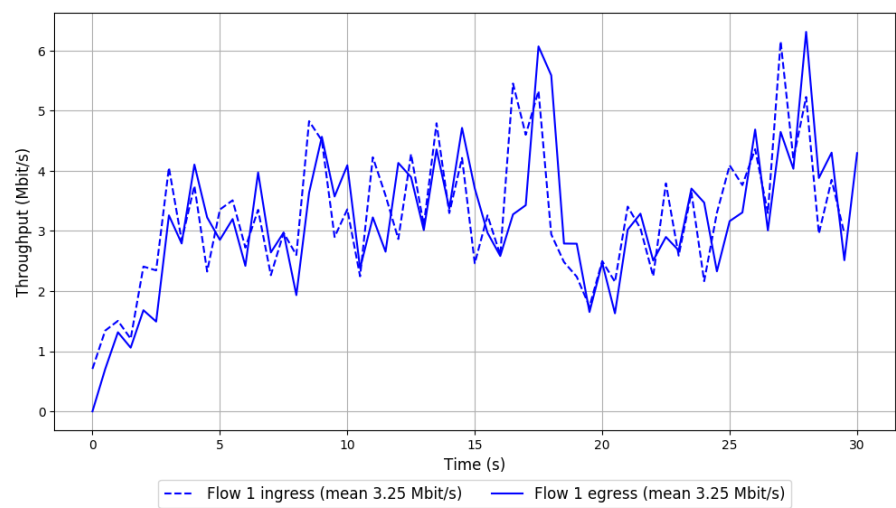


Run 5: Statistics of Sprout

Start at: 2019-08-26 19:49:48
End at: 2019-08-26 19:50:18
Local clock offset: 3.546 ms
Remote clock offset: 123.803 ms

Below is generated by plot.py at 2019-08-26 20:09:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.25 Mbit/s
95th percentile per-packet one-way delay: 76.797 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.25 Mbit/s
95th percentile per-packet one-way delay: 76.797 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

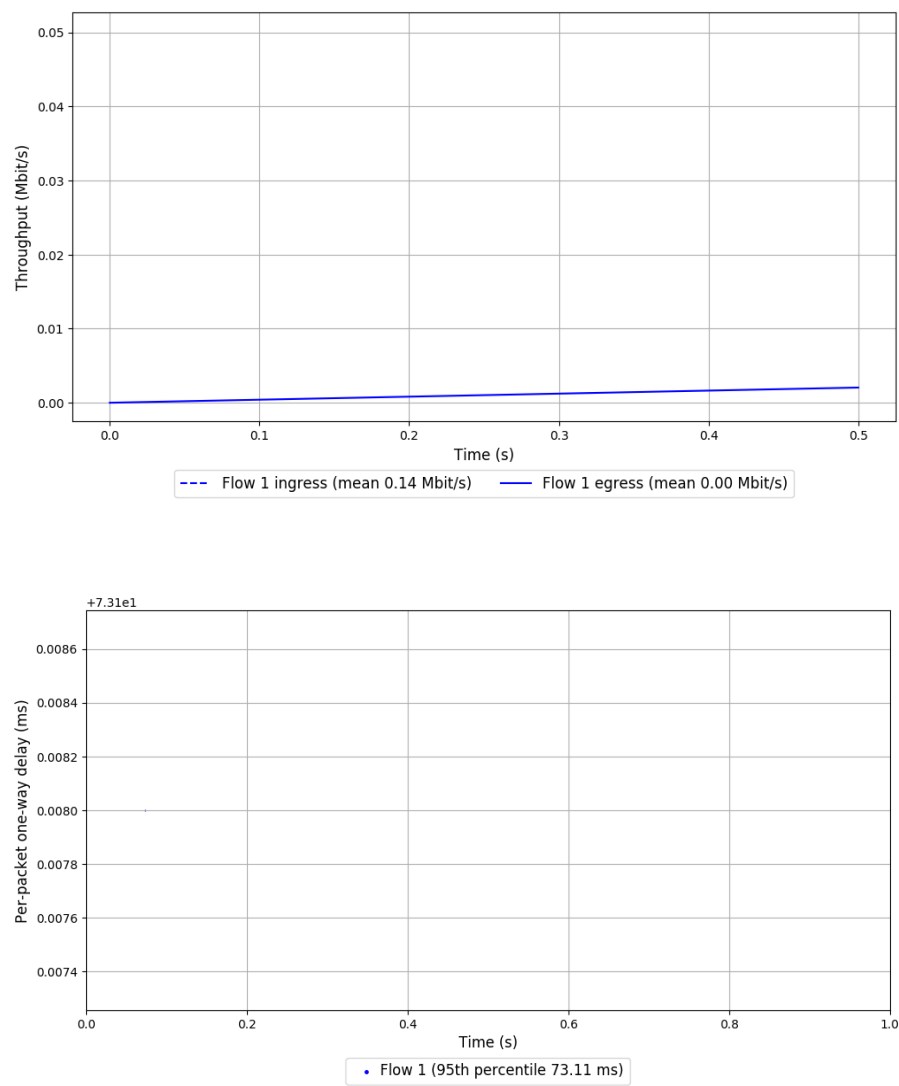
Start at: 2019-08-26 17:39:08

End at: 2019-08-26 17:39:38

Local clock offset: 12.774 ms

Remote clock offset: -94.735 ms

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



Run 2: Statistics of TaoVA-100x

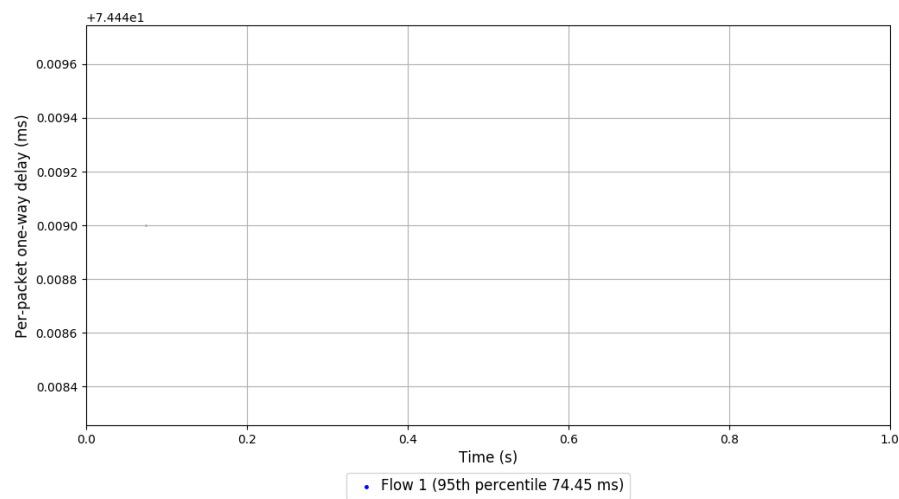
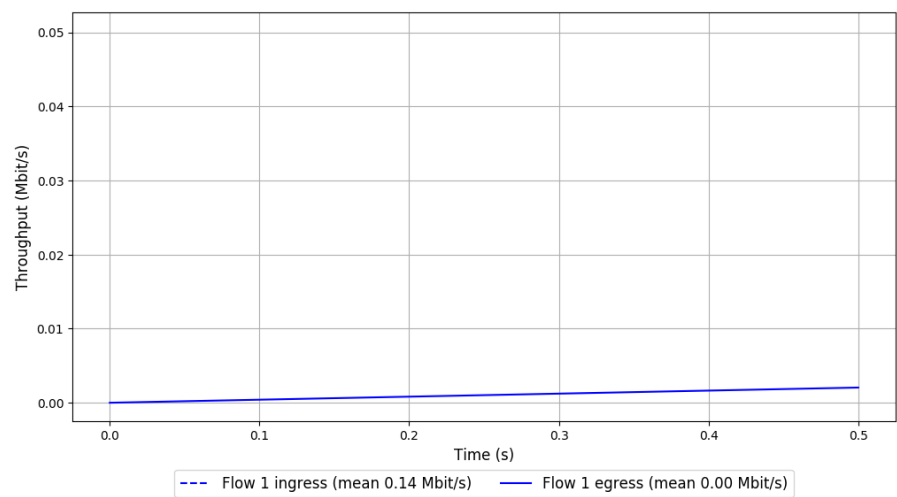
Start at: 2019-08-26 18:07:27

End at: 2019-08-26 18:07:57

Local clock offset: 15.329 ms

Remote clock offset: -101.666 ms

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



Run 3: Statistics of TaoVA-100x

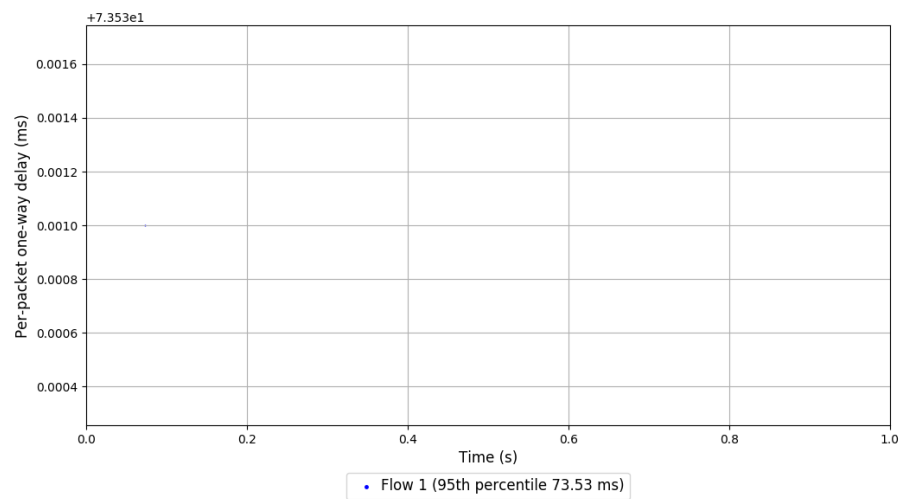
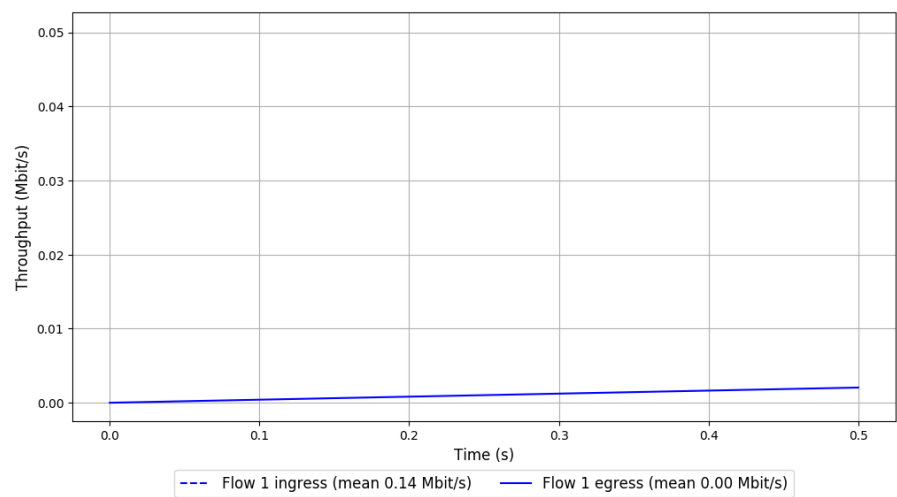
Start at: 2019-08-26 18:35:42

End at: 2019-08-26 18:36:12

Local clock offset: 14.368 ms

Remote clock offset: 25.157 ms

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



Run 4: Statistics of TaoVA-100x

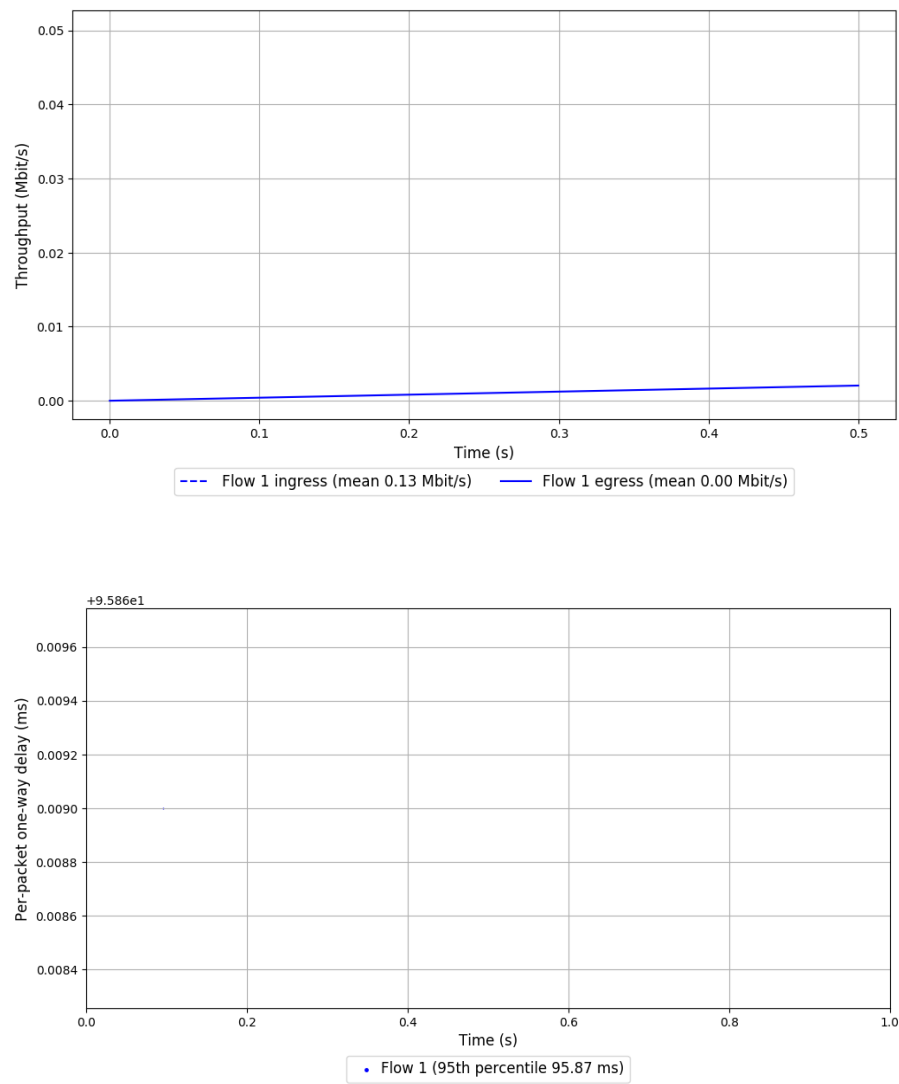
Start at: 2019-08-26 19:03:56

End at: 2019-08-26 19:04:26

Local clock offset: 6.839 ms

Remote clock offset: 65.851 ms

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



Run 5: Statistics of TaoVA-100x

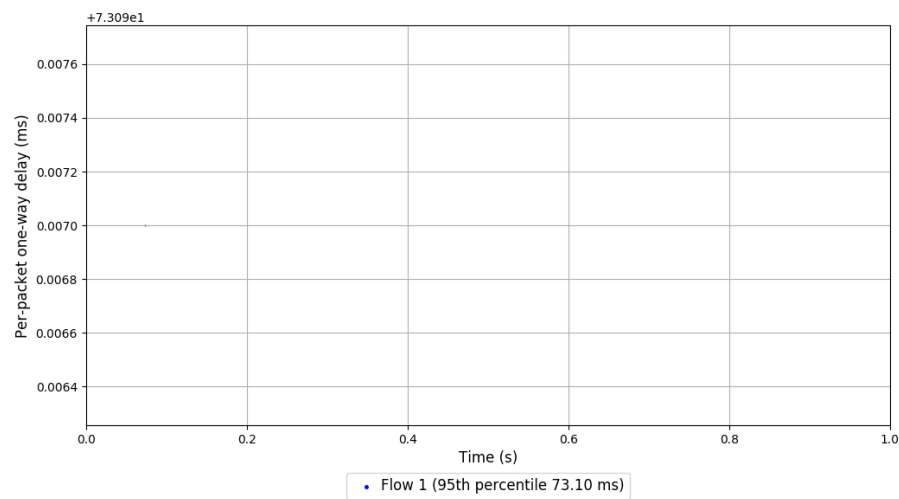
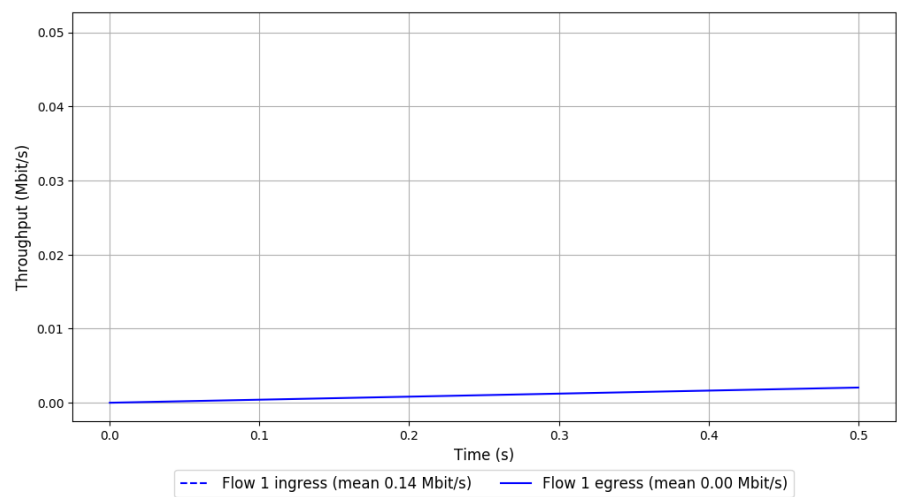
Start at: 2019-08-26 19:32:08

End at: 2019-08-26 19:32:38

Local clock offset: 4.657 ms

Remote clock offset: 102.12 ms

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

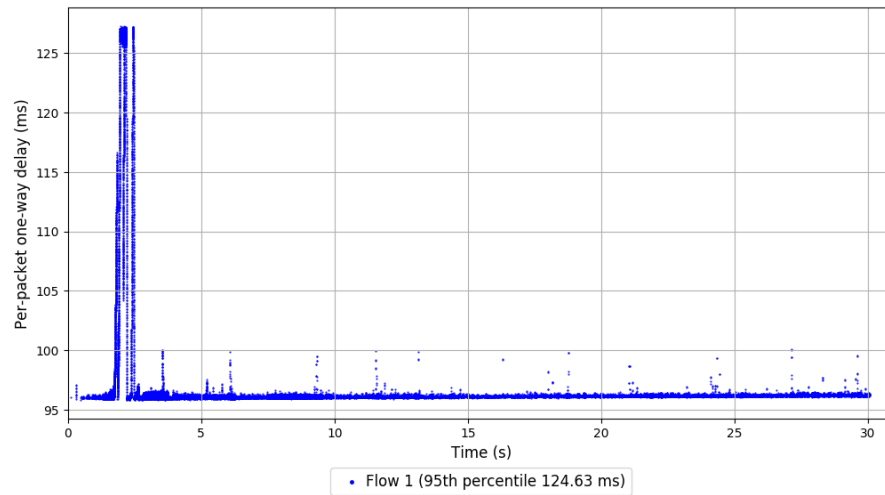
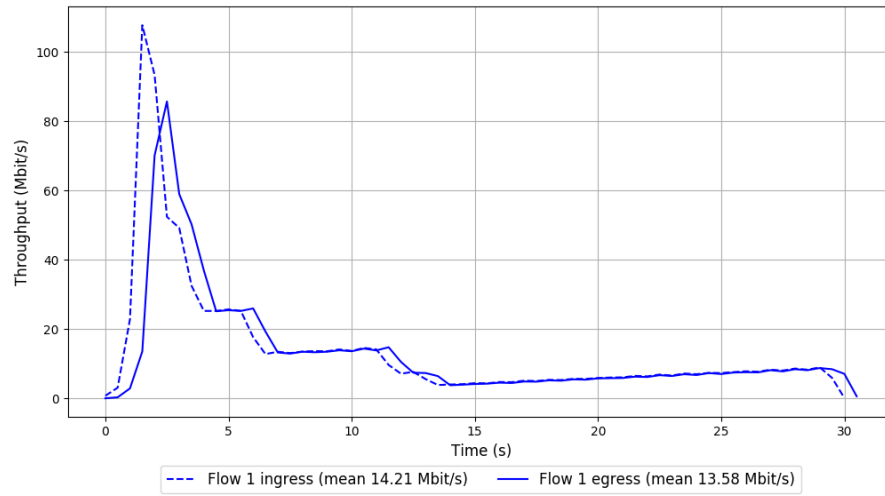


Run 1: Statistics of TCP Vegas

Start at: 2019-08-26 17:37:59
End at: 2019-08-26 17:38:29
Local clock offset: 13.39 ms
Remote clock offset: -93.53 ms

Below is generated by plot.py at 2019-08-26 20:09:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.58 Mbit/s
95th percentile per-packet one-way delay: 124.630 ms
Loss rate: 4.56%
-- Flow 1:
Average throughput: 13.58 Mbit/s
95th percentile per-packet one-way delay: 124.630 ms
Loss rate: 4.56%

Run 1: Report of TCP Vegas — Data Link

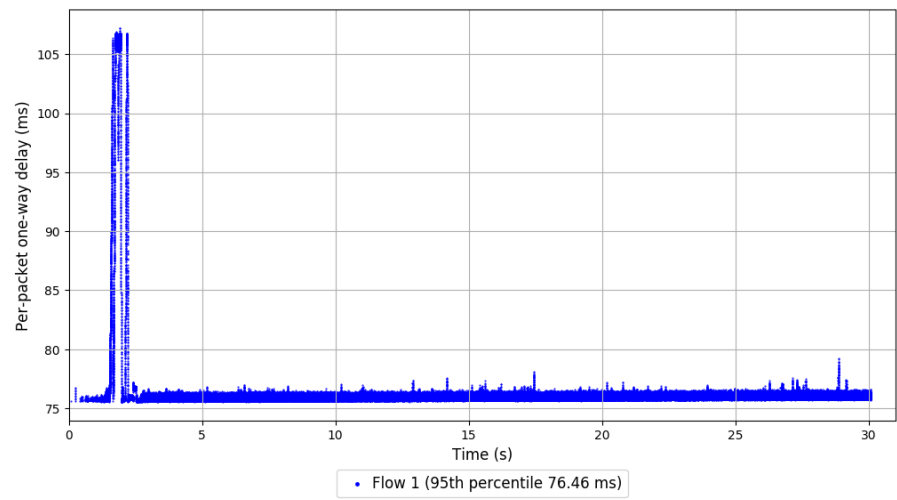
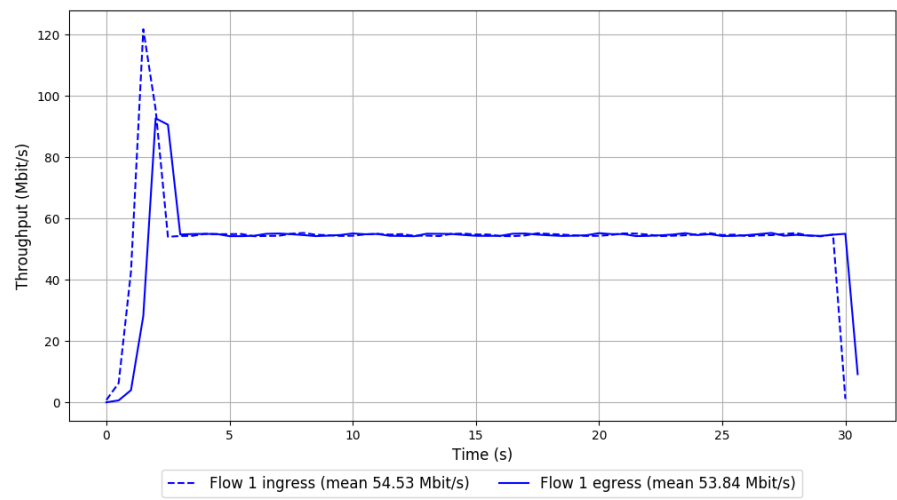


Run 2: Statistics of TCP Vegas

Start at: 2019-08-26 18:06:17
End at: 2019-08-26 18:06:47
Local clock offset: 15.164 ms
Remote clock offset: -100.974 ms

Below is generated by plot.py at 2019-08-26 20:09:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 53.84 Mbit/s
95th percentile per-packet one-way delay: 76.460 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 53.84 Mbit/s
95th percentile per-packet one-way delay: 76.460 ms
Loss rate: 1.27%

Run 2: Report of TCP Vegas — Data Link

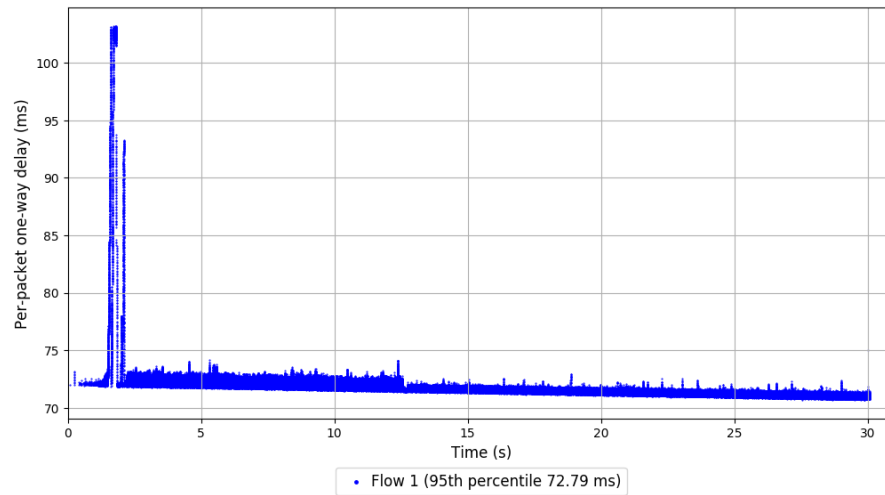
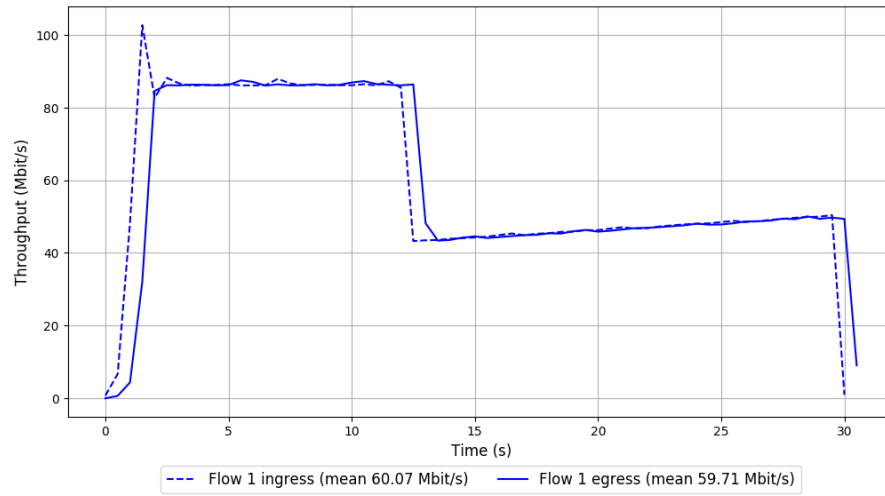


Run 3: Statistics of TCP Vegas

Start at: 2019-08-26 18:34:31
End at: 2019-08-26 18:35:01
Local clock offset: 14.237 ms
Remote clock offset: 22.304 ms

Below is generated by plot.py at 2019-08-26 20:10:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.71 Mbit/s
95th percentile per-packet one-way delay: 72.789 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 59.71 Mbit/s
95th percentile per-packet one-way delay: 72.789 ms
Loss rate: 0.61%

Run 3: Report of TCP Vegas — Data Link

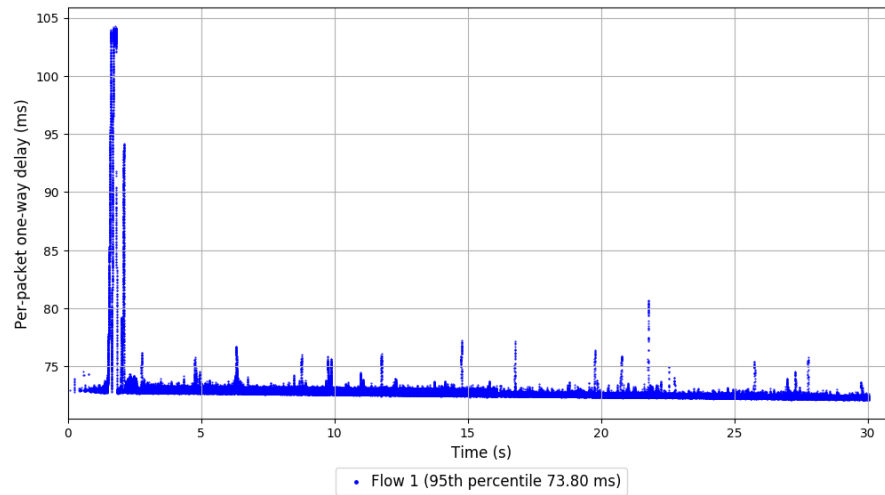
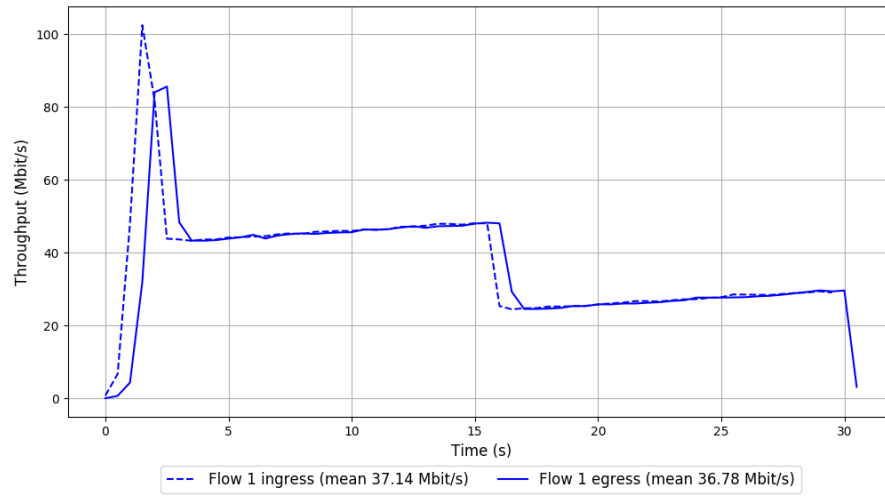


Run 4: Statistics of TCP Vegas

Start at: 2019-08-26 19:02:46
End at: 2019-08-26 19:03:16
Local clock offset: 7.613 ms
Remote clock offset: 65.674 ms

Below is generated by plot.py at 2019-08-26 20:10:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 36.78 Mbit/s
95th percentile per-packet one-way delay: 73.799 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 36.78 Mbit/s
95th percentile per-packet one-way delay: 73.799 ms
Loss rate: 0.99%

Run 4: Report of TCP Vegas — Data Link

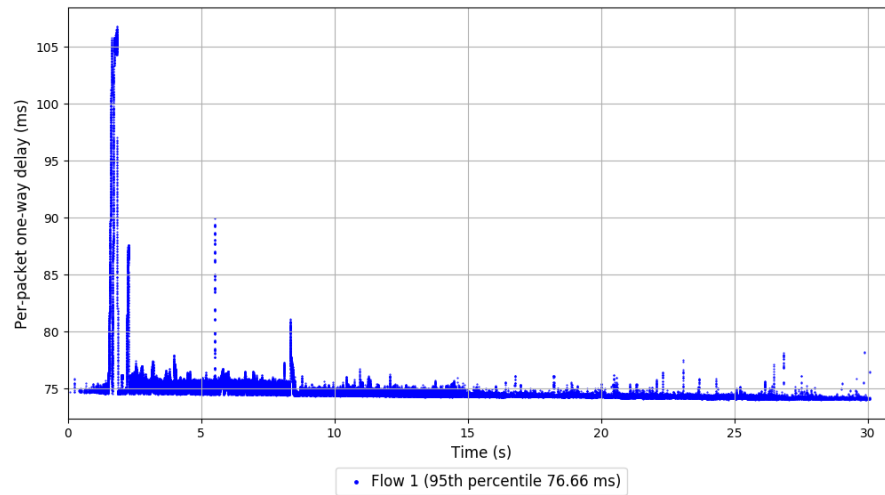
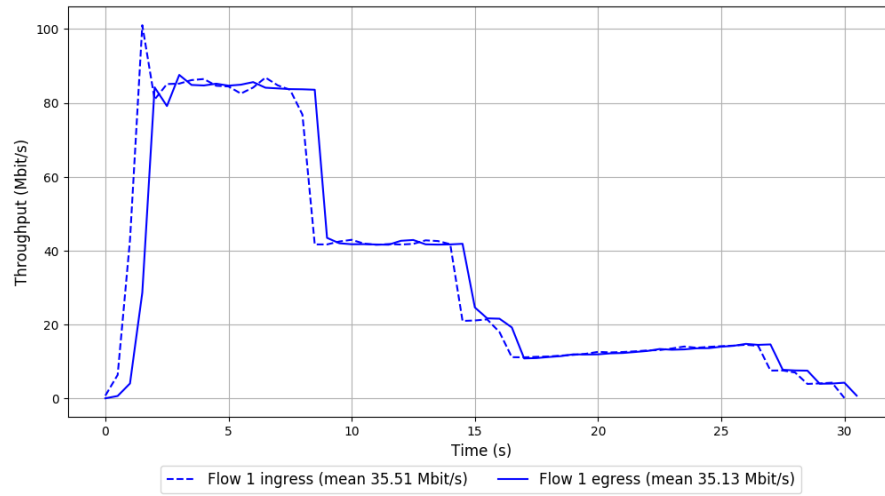


Run 5: Statistics of TCP Vegas

Start at: 2019-08-26 19:30:58
End at: 2019-08-26 19:31:28
Local clock offset: 4.669 ms
Remote clock offset: 101.498 ms

Below is generated by plot.py at 2019-08-26 20:10:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.13 Mbit/s
95th percentile per-packet one-way delay: 76.661 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 35.13 Mbit/s
95th percentile per-packet one-way delay: 76.661 ms
Loss rate: 1.05%

Run 5: Report of TCP Vegas — Data Link

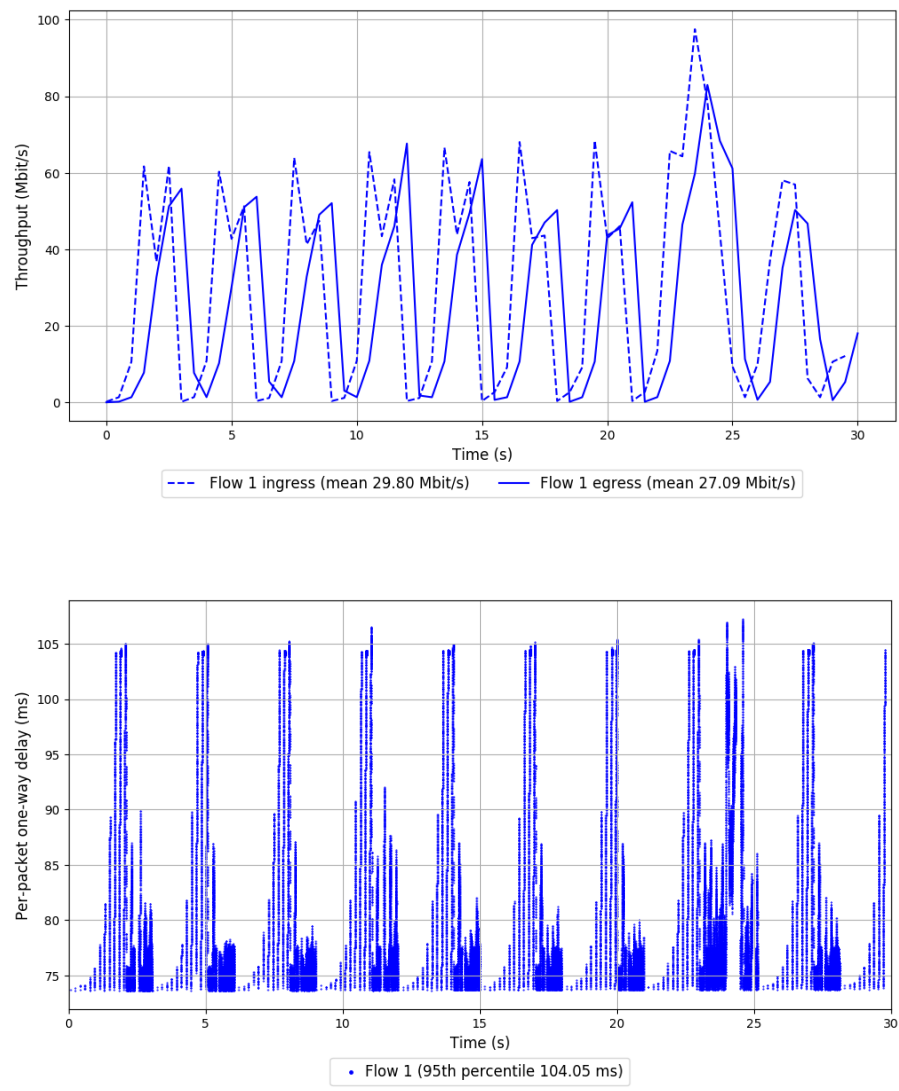


Run 1: Statistics of Verus

Start at: 2019-08-26 17:47:26
End at: 2019-08-26 17:47:56
Local clock offset: 14.169 ms
Remote clock offset: -99.002 ms

Below is generated by plot.py at 2019-08-26 20:10:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 27.09 Mbit/s
95th percentile per-packet one-way delay: 104.050 ms
Loss rate: 9.00%
-- Flow 1:
Average throughput: 27.09 Mbit/s
95th percentile per-packet one-way delay: 104.050 ms
Loss rate: 9.00%

Run 1: Report of Verus — Data Link

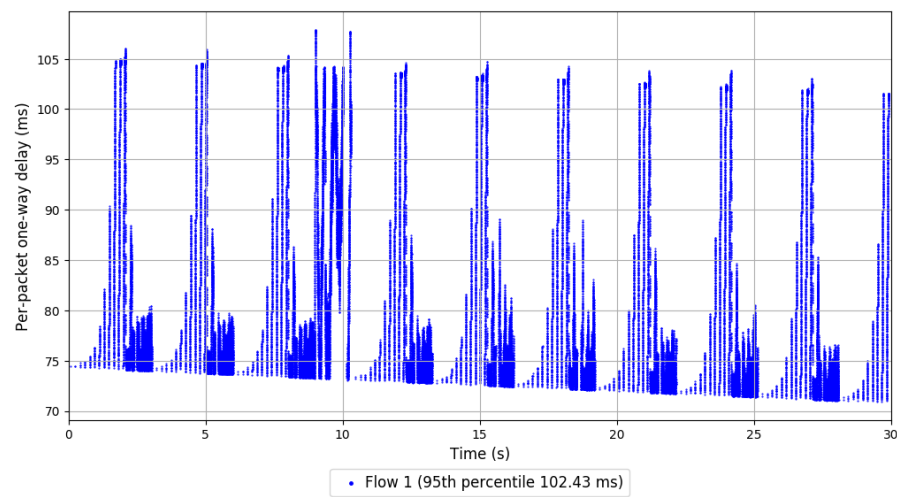
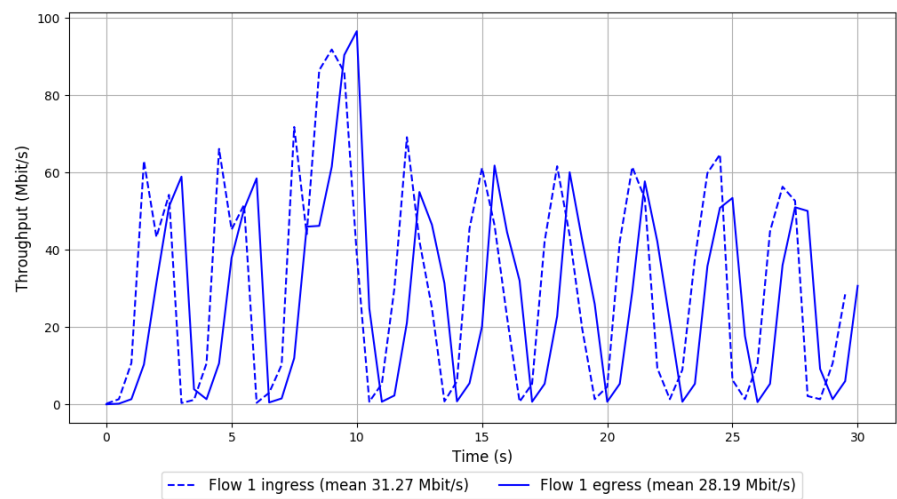


Run 2: Statistics of Verus

Start at: 2019-08-26 18:15:46
End at: 2019-08-26 18:16:16
Local clock offset: 17.404 ms
Remote clock offset: -47.317 ms

Below is generated by plot.py at 2019-08-26 20:10:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 28.19 Mbit/s
95th percentile per-packet one-way delay: 102.429 ms
Loss rate: 9.78%
-- Flow 1:
Average throughput: 28.19 Mbit/s
95th percentile per-packet one-way delay: 102.429 ms
Loss rate: 9.78%

Run 2: Report of Verus — Data Link

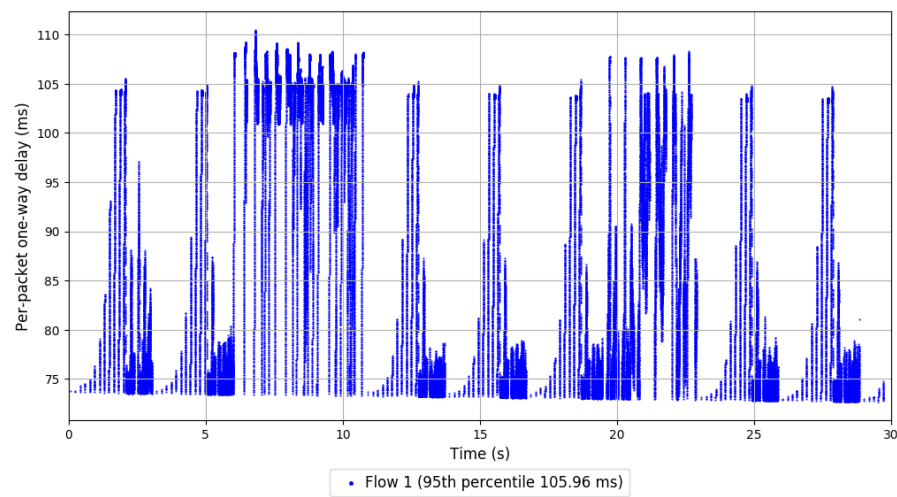
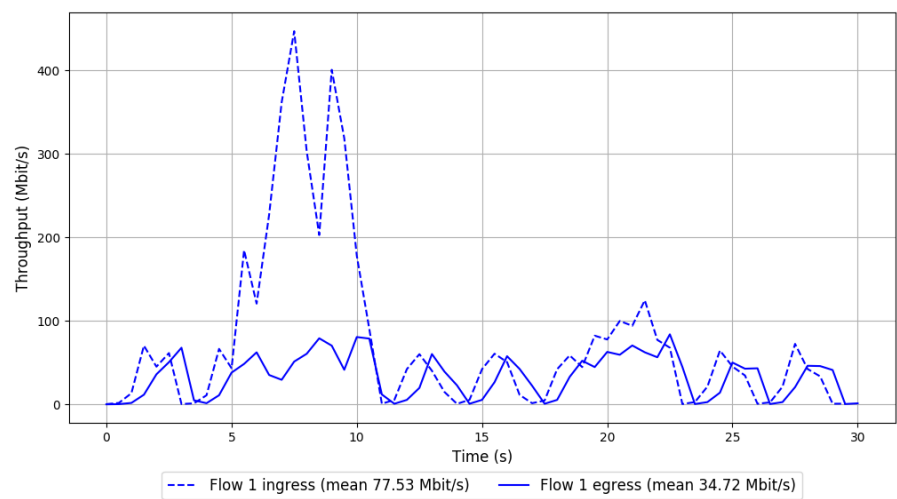


Run 3: Statistics of Verus

Start at: 2019-08-26 18:44:01
End at: 2019-08-26 18:44:31
Local clock offset: 10.396 ms
Remote clock offset: 38.559 ms

Below is generated by plot.py at 2019-08-26 20:10:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.72 Mbit/s
95th percentile per-packet one-way delay: 105.958 ms
Loss rate: 55.21%
-- Flow 1:
Average throughput: 34.72 Mbit/s
95th percentile per-packet one-way delay: 105.958 ms
Loss rate: 55.21%

Run 3: Report of Verus — Data Link

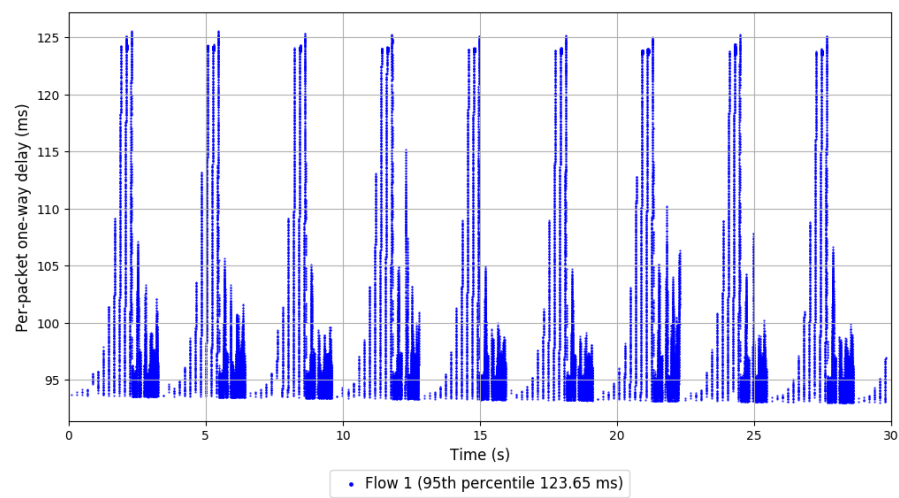
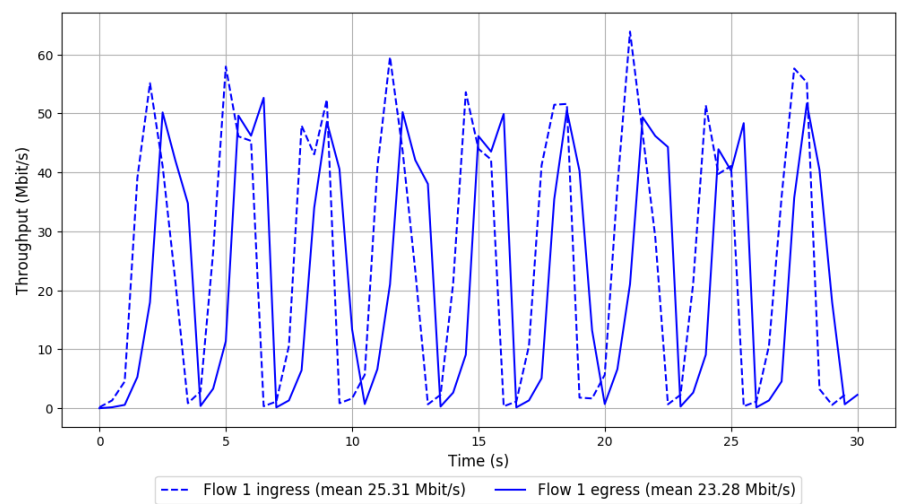


Run 4: Statistics of Verus

Start at: 2019-08-26 19:12:14
End at: 2019-08-26 19:12:44
Local clock offset: 7.169 ms
Remote clock offset: 76.186 ms

Below is generated by plot.py at 2019-08-26 20:10:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.28 Mbit/s
95th percentile per-packet one-way delay: 123.651 ms
Loss rate: 8.00%
-- Flow 1:
Average throughput: 23.28 Mbit/s
95th percentile per-packet one-way delay: 123.651 ms
Loss rate: 8.00%

Run 4: Report of Verus — Data Link

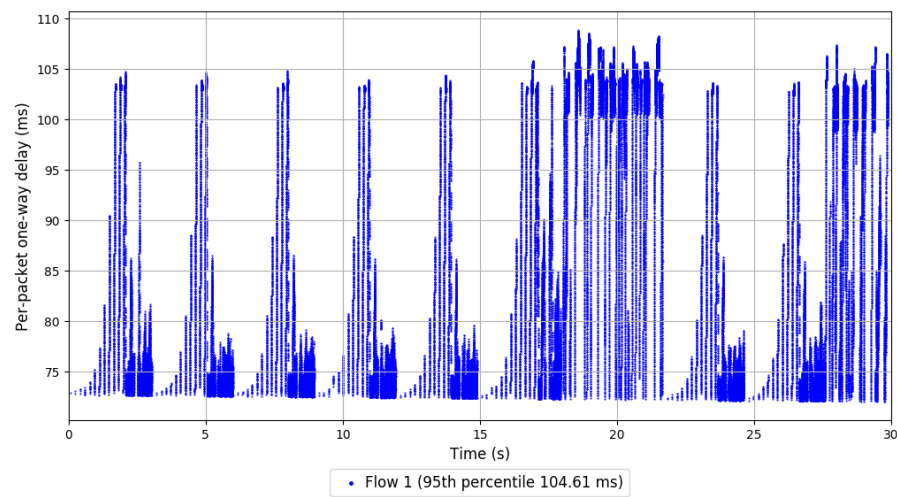
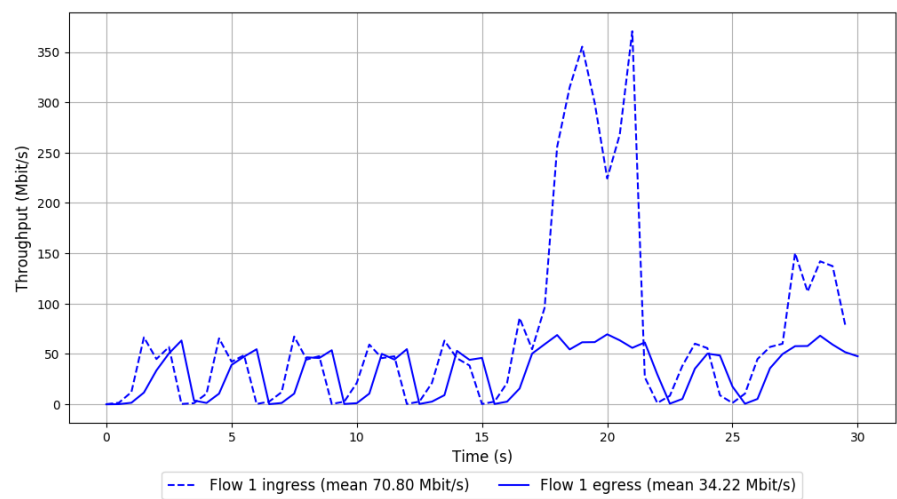


Run 5: Statistics of Verus

Start at: 2019-08-26 19:40:27
End at: 2019-08-26 19:40:57
Local clock offset: 3.83 ms
Remote clock offset: 112.267 ms

Below is generated by plot.py at 2019-08-26 20:10:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.22 Mbit/s
95th percentile per-packet one-way delay: 104.615 ms
Loss rate: 51.61%
-- Flow 1:
Average throughput: 34.22 Mbit/s
95th percentile per-packet one-way delay: 104.615 ms
Loss rate: 51.61%

Run 5: Report of Verus — Data Link

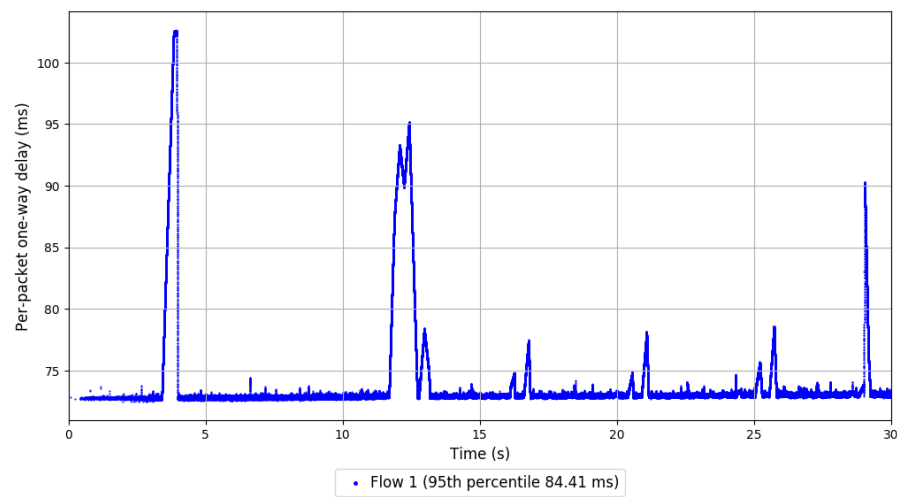
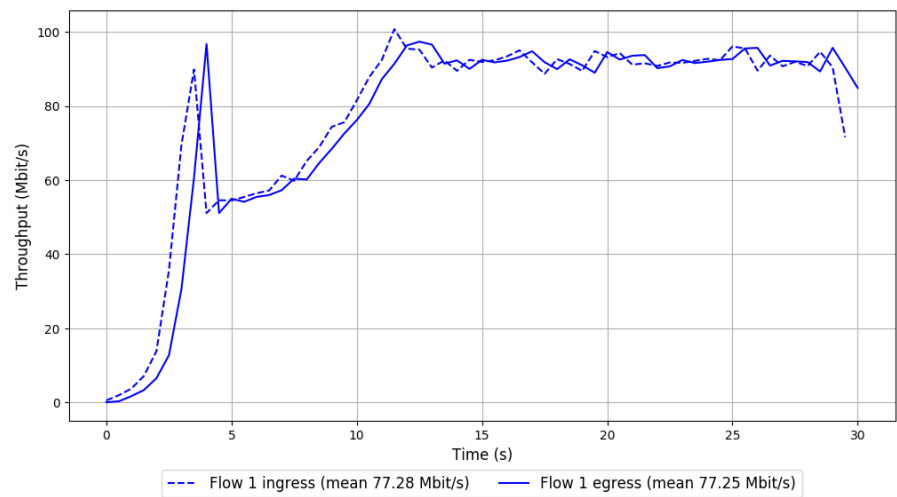


Run 1: Statistics of PCC-Vivace

Start at: 2019-08-26 18:03:46
End at: 2019-08-26 18:04:16
Local clock offset: 15.637 ms
Remote clock offset: -99.939 ms

Below is generated by plot.py at 2019-08-26 20:10:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.25 Mbit/s
95th percentile per-packet one-way delay: 84.405 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 77.25 Mbit/s
95th percentile per-packet one-way delay: 84.405 ms
Loss rate: 0.04%

Run 1: Report of PCC-Vivace — Data Link

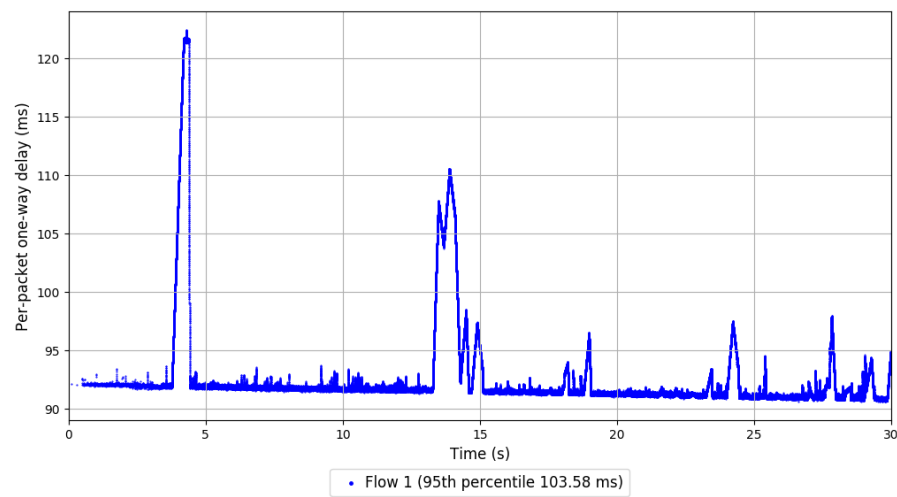
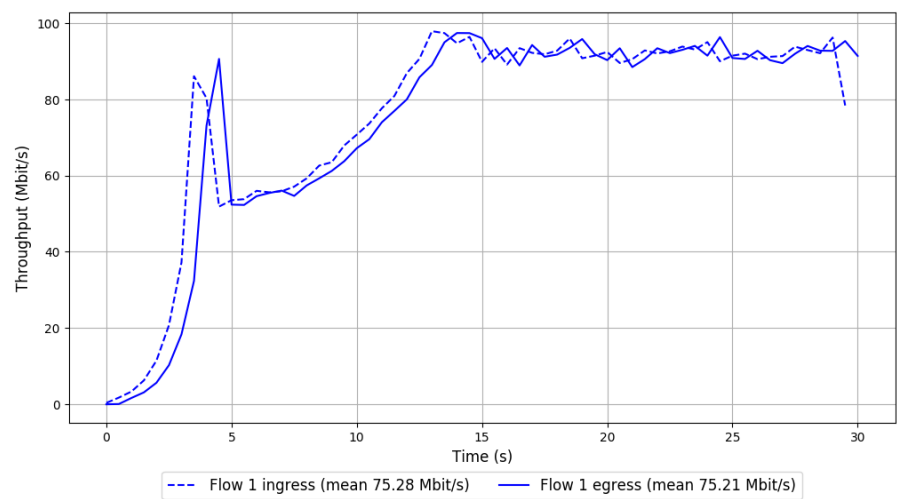


Run 2: Statistics of PCC-Vivace

Start at: 2019-08-26 18:32:07
End at: 2019-08-26 18:32:37
Local clock offset: 15.769 ms
Remote clock offset: 16.032 ms

Below is generated by plot.py at 2019-08-26 20:10:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.21 Mbit/s
95th percentile per-packet one-way delay: 103.578 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 75.21 Mbit/s
95th percentile per-packet one-way delay: 103.578 ms
Loss rate: 0.16%

Run 2: Report of PCC-Vivace — Data Link

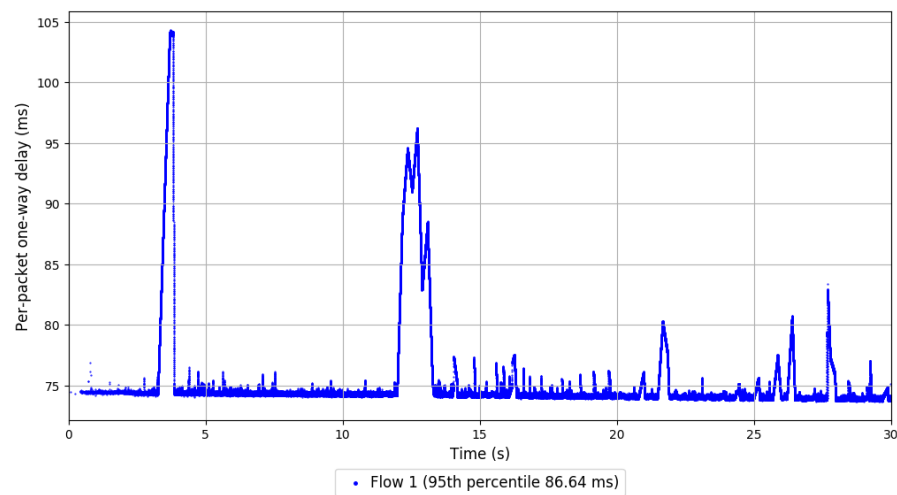
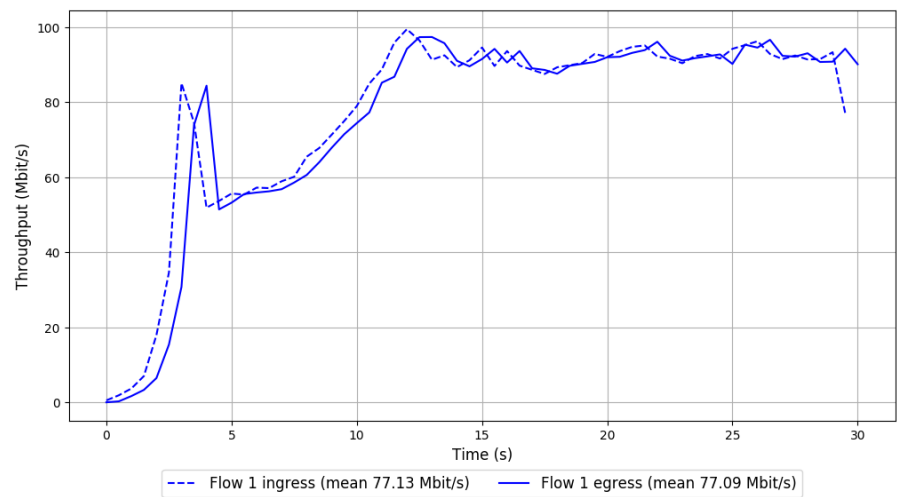


Run 3: Statistics of PCC-Vivace

Start at: 2019-08-26 19:00:21
End at: 2019-08-26 19:00:51
Local clock offset: 7.678 ms
Remote clock offset: 62.435 ms

Below is generated by plot.py at 2019-08-26 20:10:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.09 Mbit/s
95th percentile per-packet one-way delay: 86.639 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 77.09 Mbit/s
95th percentile per-packet one-way delay: 86.639 ms
Loss rate: 0.05%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-08-26 19:28:34

End at: 2019-08-26 19:29:04

Local clock offset: 4.909 ms

Remote clock offset: 98.932 ms

Below is generated by plot.py at 2019-08-26 20:11:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.41 Mbit/s

95th percentile per-packet one-way delay: 100.828 ms

Loss rate: 0.13%

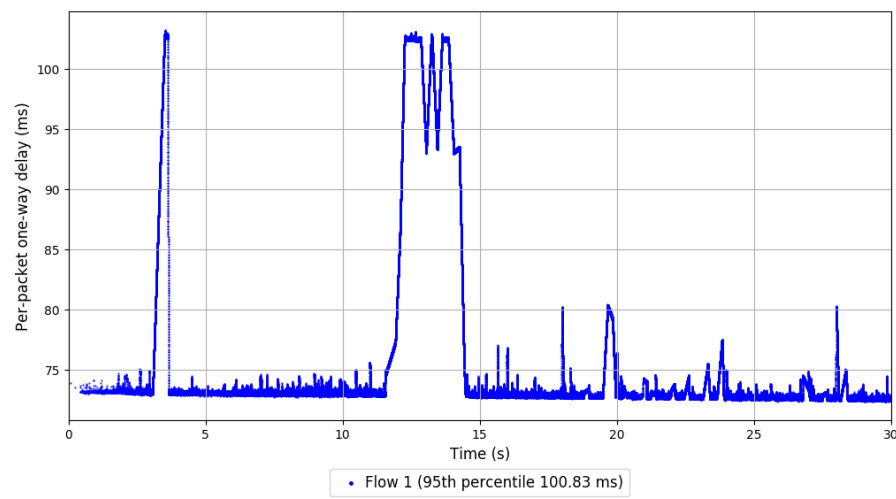
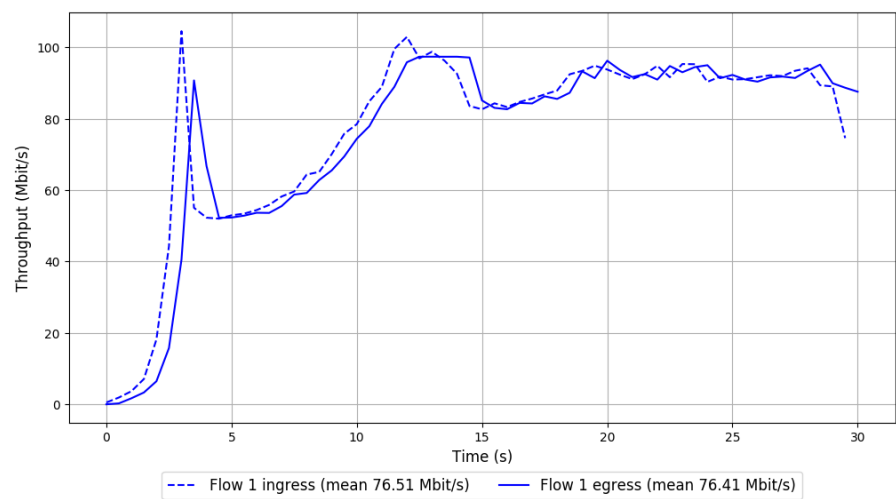
-- Flow 1:

Average throughput: 76.41 Mbit/s

95th percentile per-packet one-way delay: 100.828 ms

Loss rate: 0.13%

Run 4: Report of PCC-Vivace — Data Link

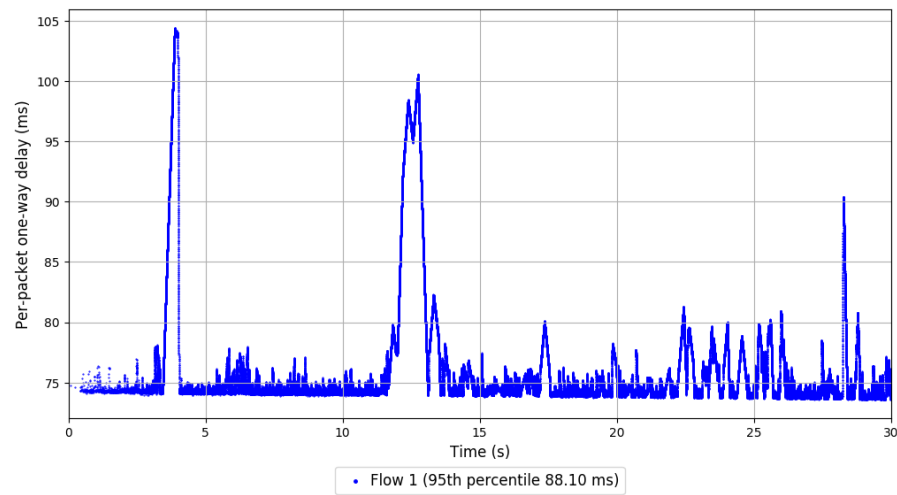
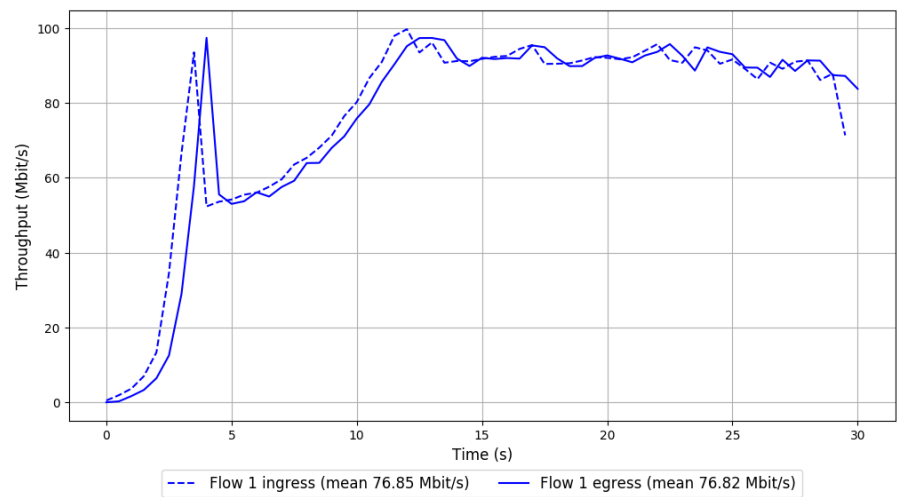


Run 5: Statistics of PCC-Vivace

Start at: 2019-08-26 19:56:48
End at: 2019-08-26 19:57:18
Local clock offset: 2.989 ms
Remote clock offset: 133.428 ms

Below is generated by plot.py at 2019-08-26 20:11:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.82 Mbit/s
95th percentile per-packet one-way delay: 88.099 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 76.82 Mbit/s
95th percentile per-packet one-way delay: 88.099 ms
Loss rate: 0.05%

Run 5: Report of PCC-Vivace — Data Link

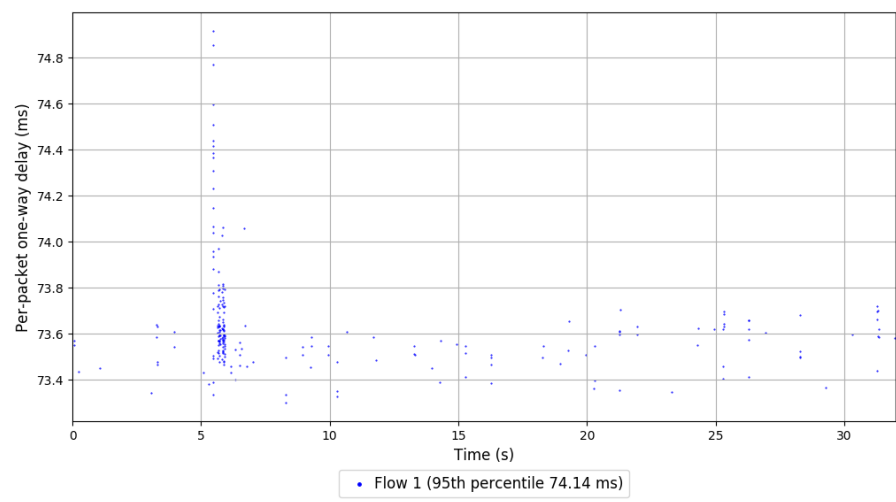
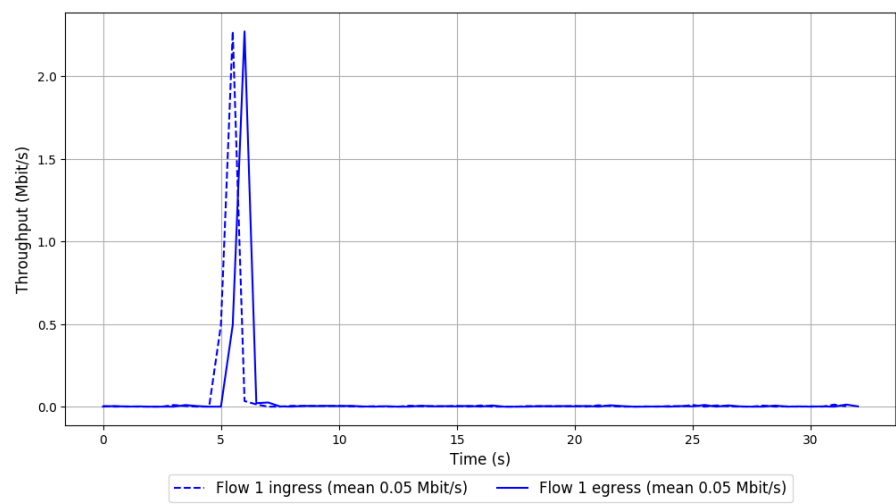


Run 1: Statistics of WebRTC media

Start at: 2019-08-26 18:02:38
End at: 2019-08-26 18:03:08
Local clock offset: 14.763 ms
Remote clock offset: -99.905 ms

Below is generated by plot.py at 2019-08-26 20:11:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 74.145 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 74.145 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

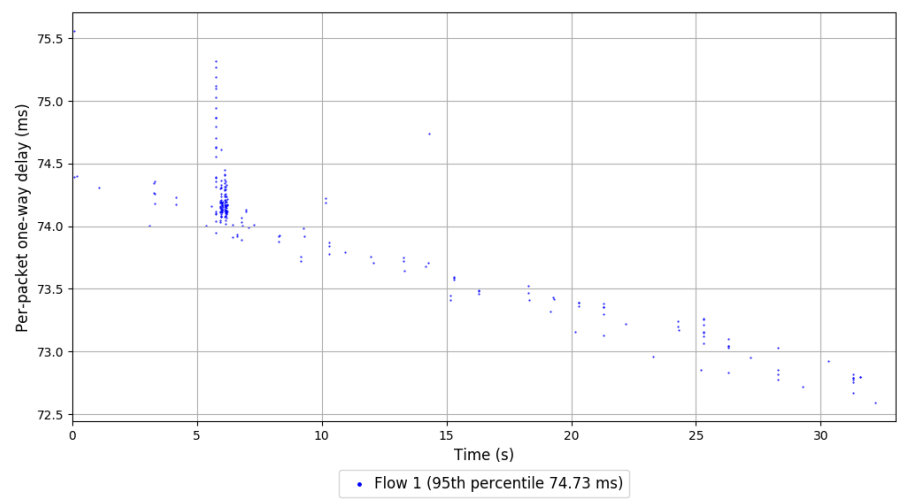
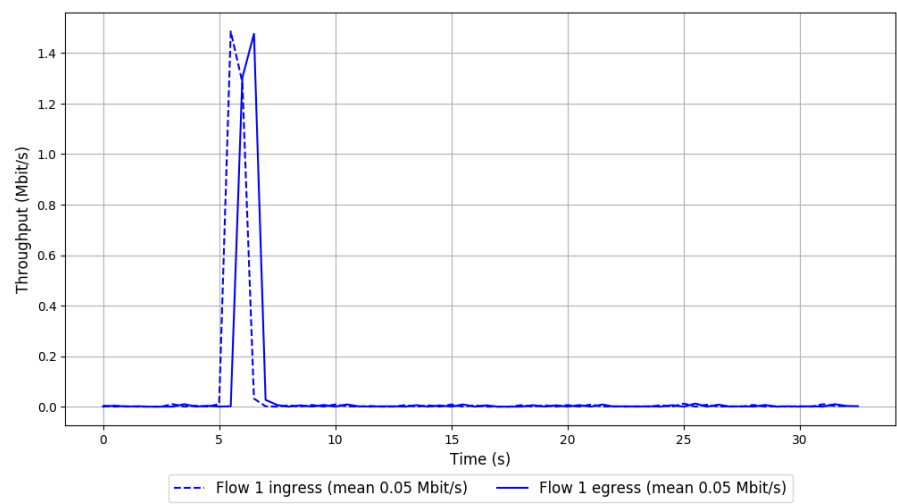


Run 2: Statistics of WebRTC media

Start at: 2019-08-26 18:31:00
End at: 2019-08-26 18:31:30
Local clock offset: 16.645 ms
Remote clock offset: 15.781 ms

Below is generated by plot.py at 2019-08-26 20:11:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 74.735 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 74.735 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

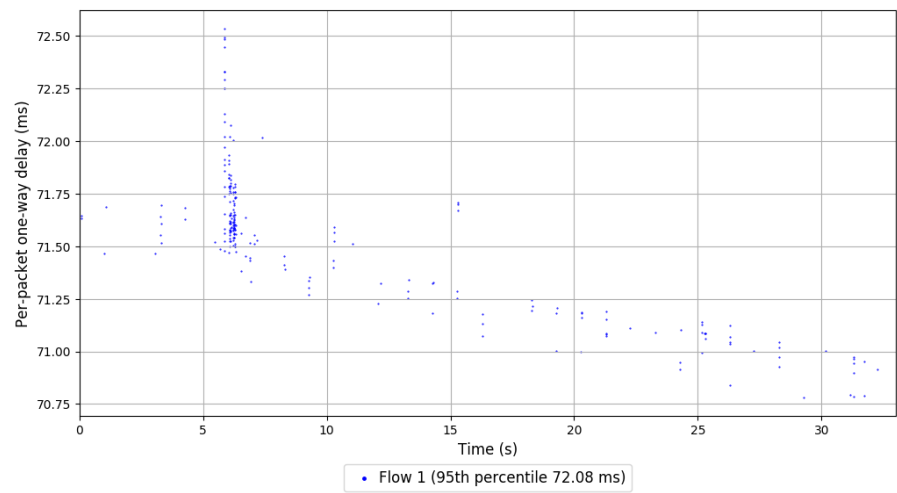
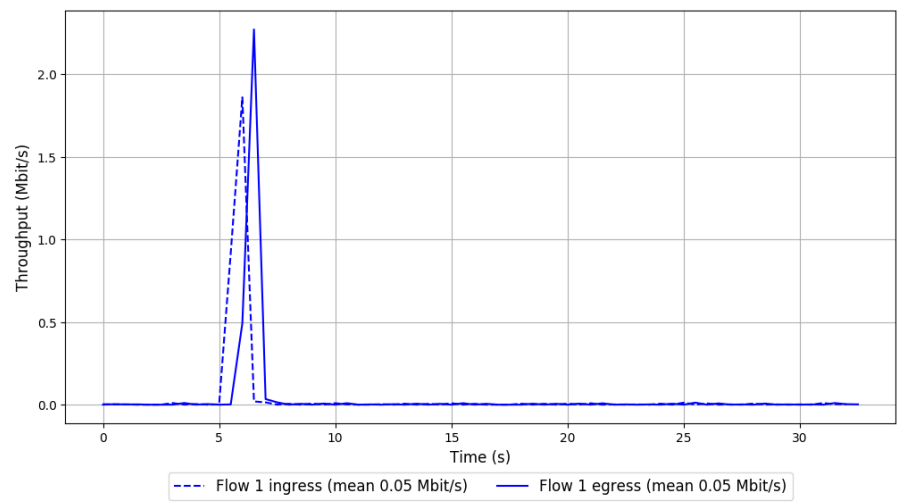


Run 3: Statistics of WebRTC media

Start at: 2019-08-26 18:59:14
End at: 2019-08-26 18:59:44
Local clock offset: 7.657 ms
Remote clock offset: 59.475 ms

Below is generated by plot.py at 2019-08-26 20:11:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 72.075 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 72.075 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

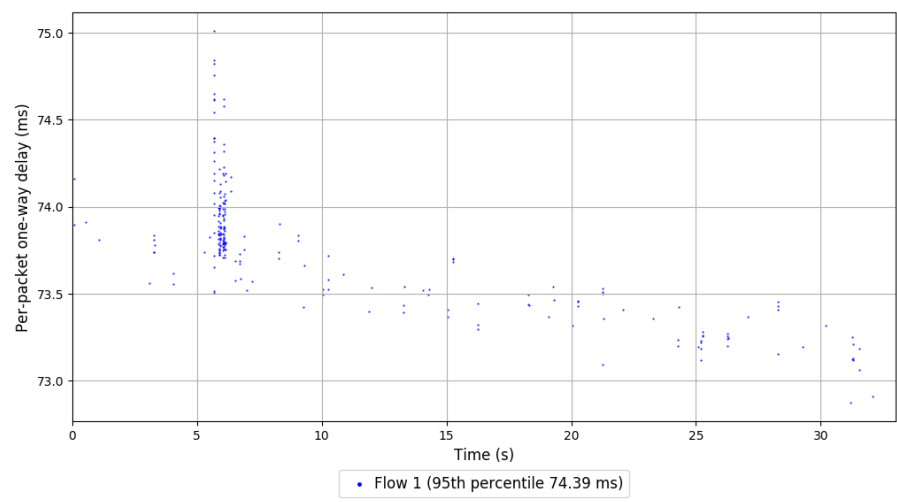
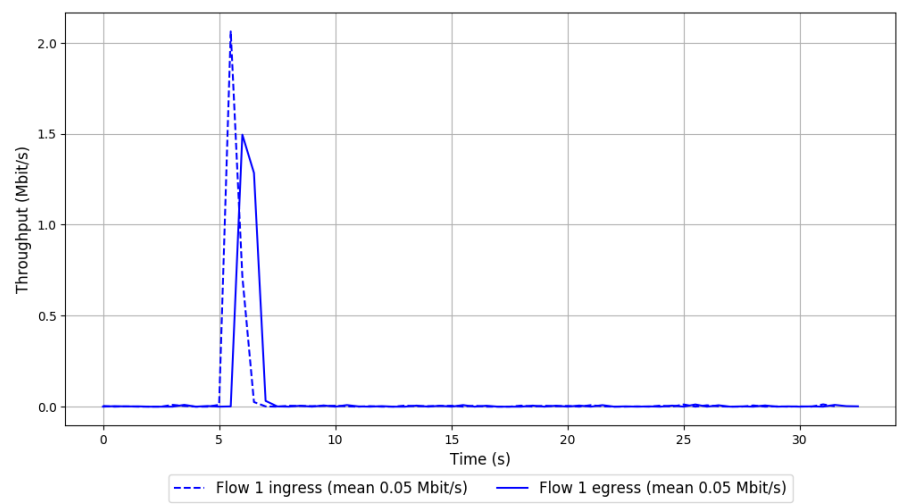


Run 4: Statistics of WebRTC media

Start at: 2019-08-26 19:27:26
End at: 2019-08-26 19:27:56
Local clock offset: 4.272 ms
Remote clock offset: 95.856 ms

Below is generated by plot.py at 2019-08-26 20:11:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 74.393 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 74.393 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-08-26 19:55:41
End at: 2019-08-26 19:56:11
Local clock offset: 2.923 ms
Remote clock offset: 133.15 ms

Below is generated by plot.py at 2019-08-26 20:11:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 74.415 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 74.415 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

