

## Pantheon Report

Generated at 2019-05-29 21:45:13 (UTC).

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

Repeated the test of 21 congestion control schemes 5 times.

Each test lasted for 30 seconds running 1 flow.

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

### System info:

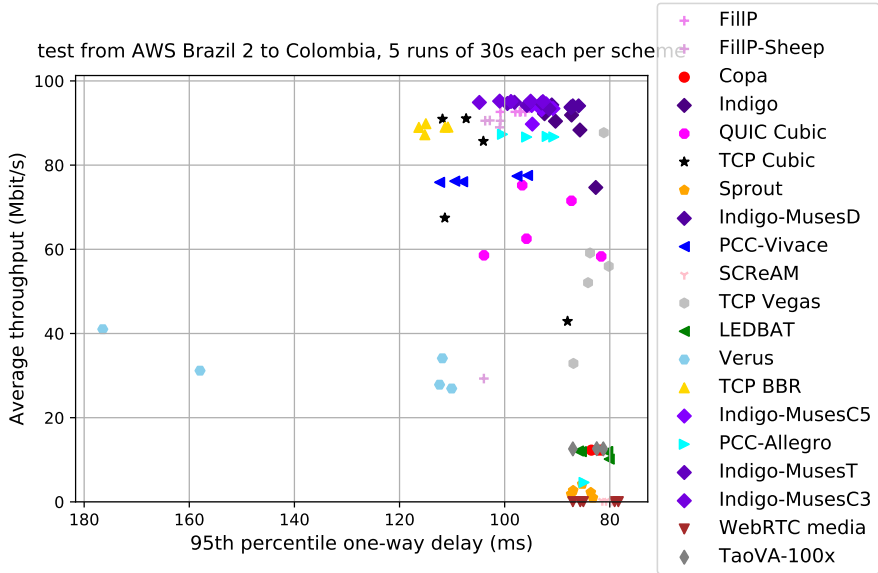
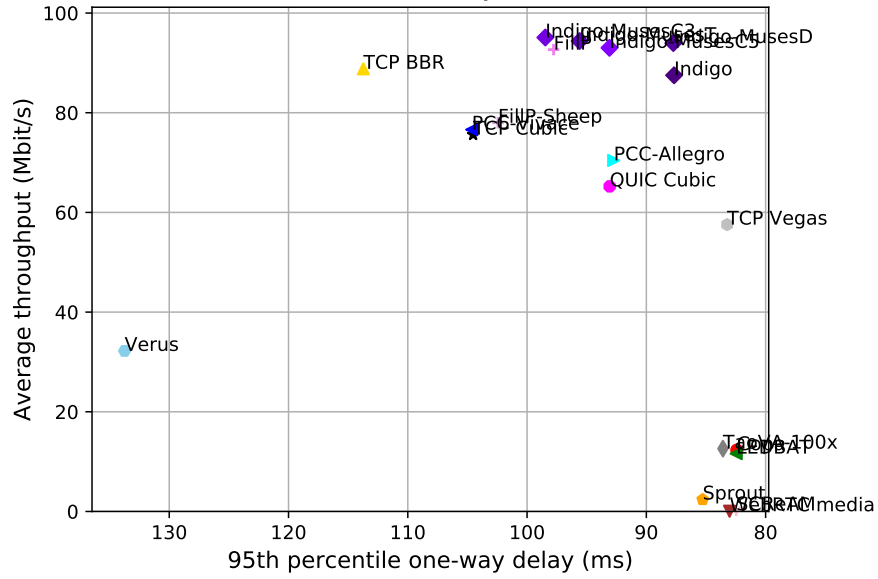
```
Linux 4.15.0-1035-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

### Git summary:

```
branch: muses @ 7a686f7c2ed0a333082c0bab1fa5c921ab47e6ee
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
```

third\_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851

test from 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)	mean 95th-%ile delay (ms)	mean loss rate (%)
		flow 1	flow 1	flow 1
TCP BBR	5	88.82	113.72	4.08
Copa	3	12.30	82.41	72.56
TCP Cubic	5	75.60	104.52	0.77
FillP	5	92.66	97.77	1.03
FillP-Sheep	5	77.99	102.44	1.62
Indigo	5	87.51	87.67	0.93
Indigo-MusesC3	5	95.10	98.47	0.19
Indigo-MusesC5	5	93.02	93.09	0.07
Indigo-MusesD	5	93.98	87.74	0.13
Indigo-MusesT	5	94.38	95.59	1.51
LEDBAT	5	11.61	82.47	0.00
PCC-Allegro	5	70.42	92.74	1.20
PCC-Expr	0	N/A	N/A	N/A
QUIC Cubic	5	65.23	93.07	0.38
SReAM	5	0.22	82.46	0.00
Sprout	5	2.39	85.28	0.00
TaoVA-100x	3	12.61	83.58	22.77
TCP Vegas	5	57.55	83.23	1.12
Verus	5	32.21	133.75	42.21
PCC-Vivace	5	76.61	104.64	0.10
WebRTC media	5	0.05	83.02	0.00



Run 1: Statistics of TCP BBR

Start at: 2019-05-29 19:36:03

End at: 2019-05-29 19:36:33

Local clock offset: -8.754 ms

Remote clock offset: 2.304 ms

# Below is generated by plot.py at 2019-05-29 21:37:22

# Datalink statistics

-- Total of 1 flow:

Average throughput: 89.01 Mbit/s

95th percentile per-packet one-way delay: 111.329 ms

Loss rate: 4.32%

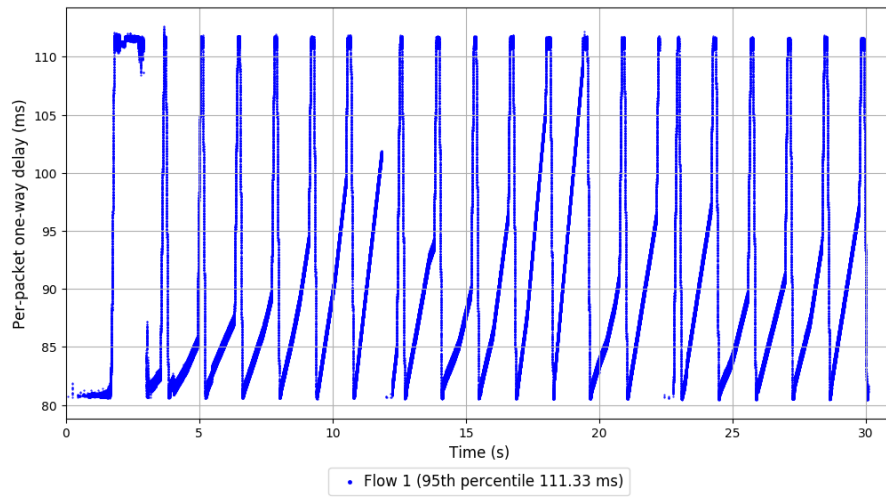
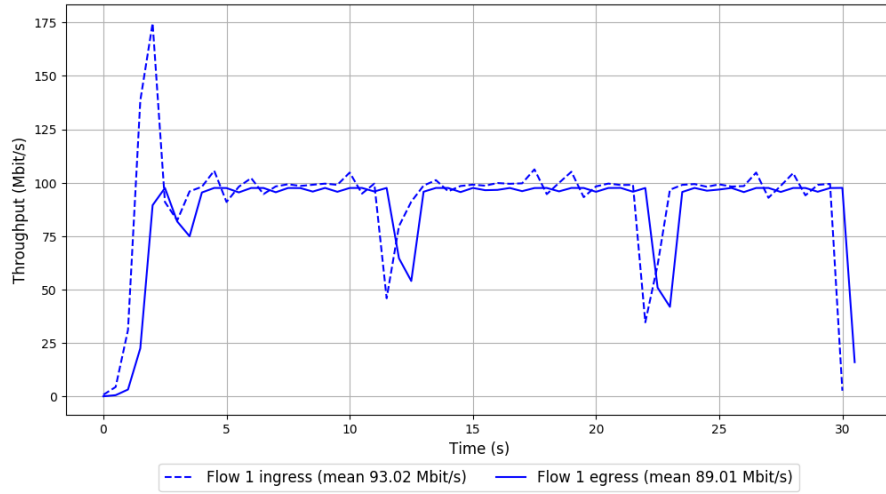
-- Flow 1:

Average throughput: 89.01 Mbit/s

95th percentile per-packet one-way delay: 111.329 ms

Loss rate: 4.32%

### Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-05-29 20:01:00

End at: 2019-05-29 20:01:30

Local clock offset: -5.747 ms

Remote clock offset: 3.241 ms

# Below is generated by plot.py at 2019-05-29 21:37:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 89.04 Mbit/s

95th percentile per-packet one-way delay: 110.795 ms

Loss rate: 4.60%

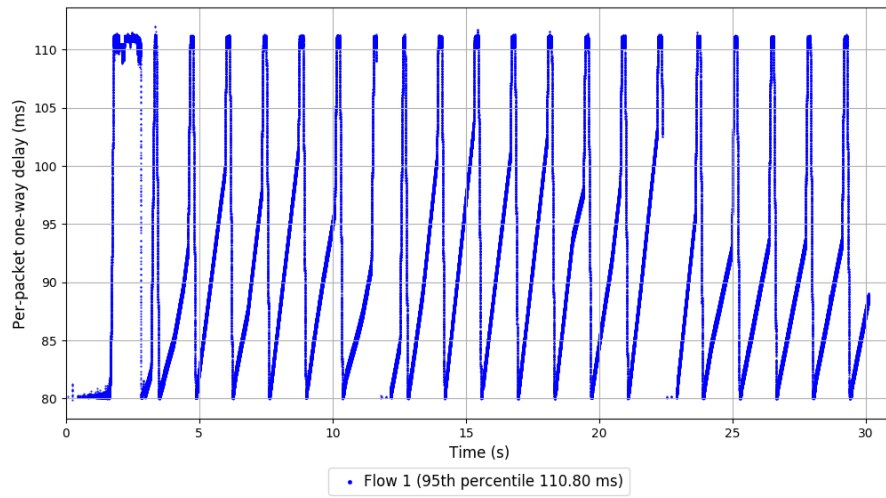
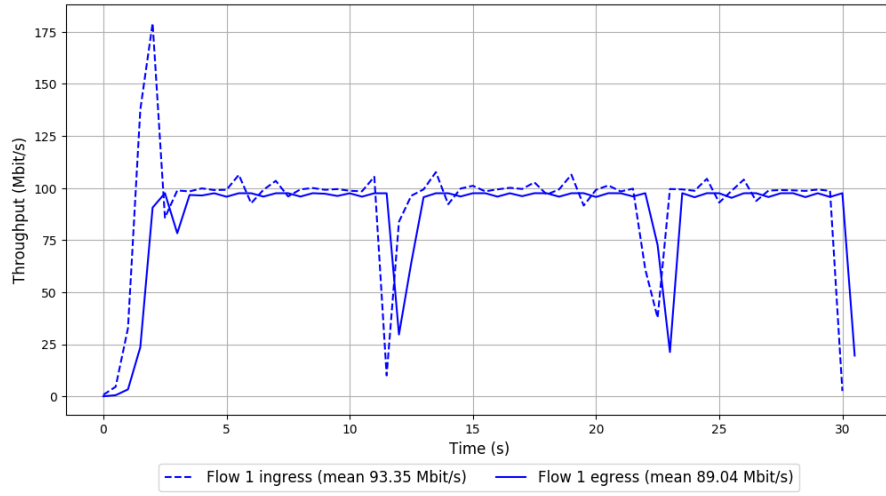
-- Flow 1:

Average throughput: 89.04 Mbit/s

95th percentile per-packet one-way delay: 110.795 ms

Loss rate: 4.60%

## Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-05-29 20:26:13

End at: 2019-05-29 20:26:43

Local clock offset: -6.095 ms

Remote clock offset: 6.975 ms

# Below is generated by plot.py at 2019-05-29 21:37:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 88.96 Mbit/s

95th percentile per-packet one-way delay: 116.325 ms

Loss rate: 4.22%

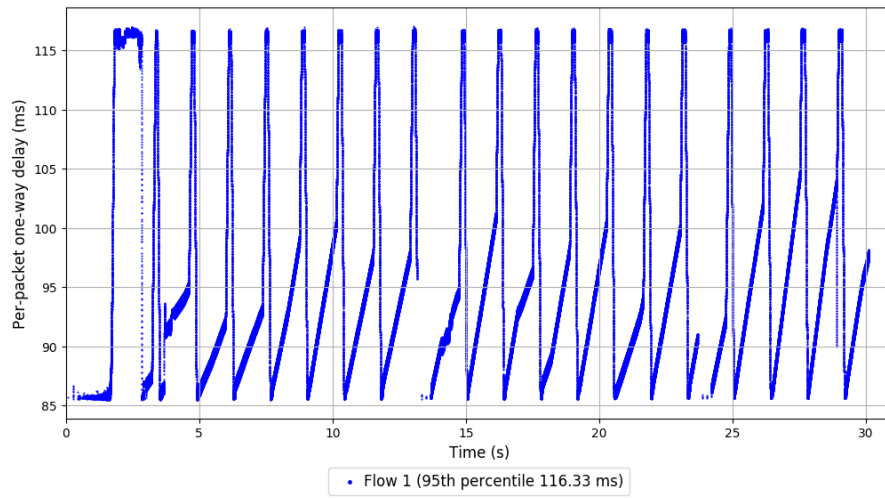
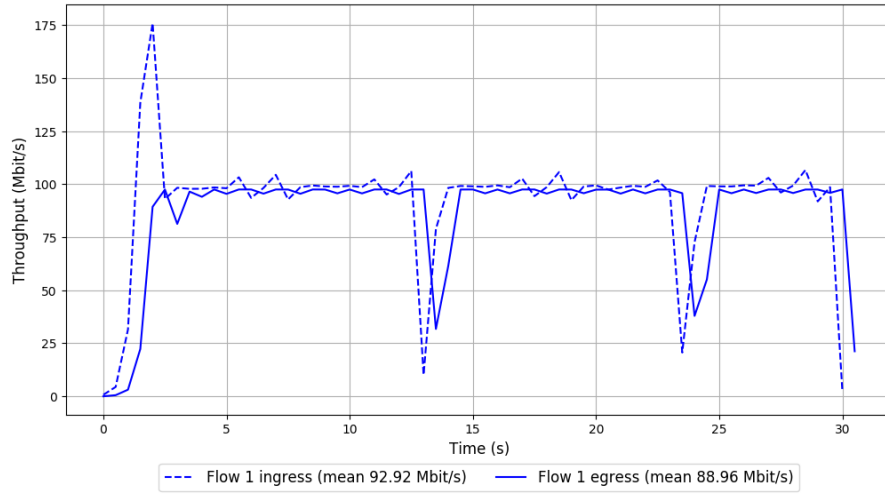
-- Flow 1:

Average throughput: 88.96 Mbit/s

95th percentile per-packet one-way delay: 116.325 ms

Loss rate: 4.22%

### Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-05-29 20:53:12

End at: 2019-05-29 20:53:42

Local clock offset: -4.501 ms

Remote clock offset: 4.282 ms

# Below is generated by plot.py at 2019-05-29 21:37:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 89.85 Mbit/s

95th percentile per-packet one-way delay: 114.990 ms

Loss rate: 3.84%

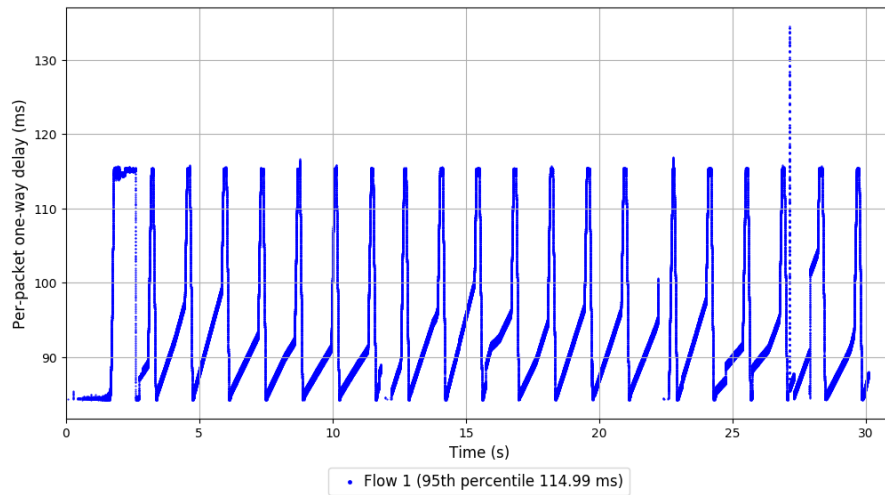
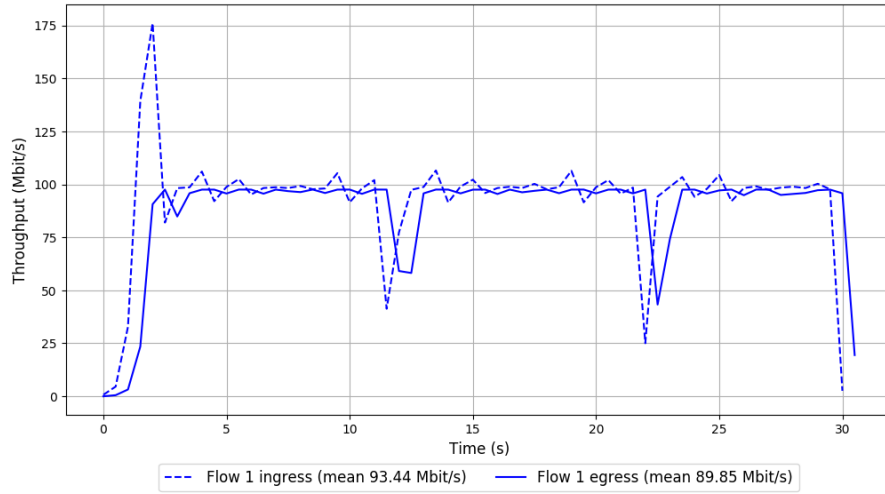
-- Flow 1:

Average throughput: 89.85 Mbit/s

95th percentile per-packet one-way delay: 114.990 ms

Loss rate: 3.84%

### Run 4: Report of TCP BBR — Data Link





Run 5: Statistics of TCP BBR

Start at: 2019-05-29 21:17:53

End at: 2019-05-29 21:18:23

Local clock offset: -5.54 ms

Remote clock offset: 4.051 ms

# Below is generated by plot.py at 2019-05-29 21:37:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.22 Mbit/s

95th percentile per-packet one-way delay: 115.186 ms

Loss rate: 3.42%

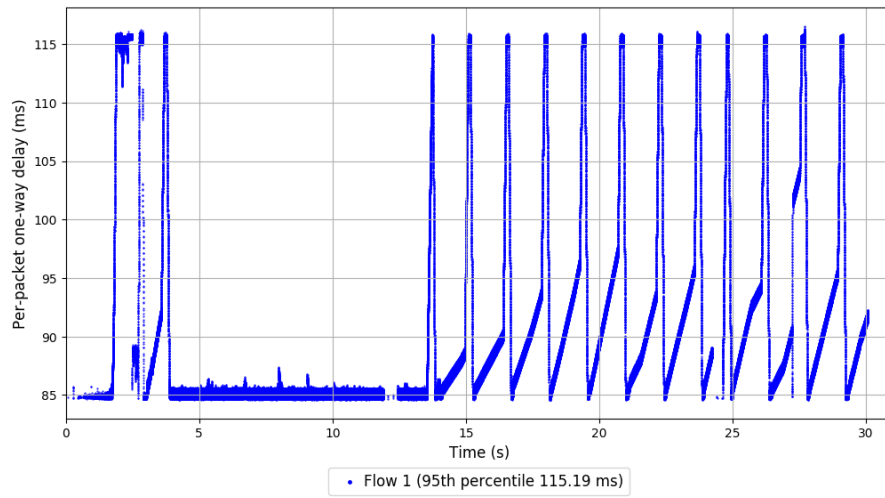
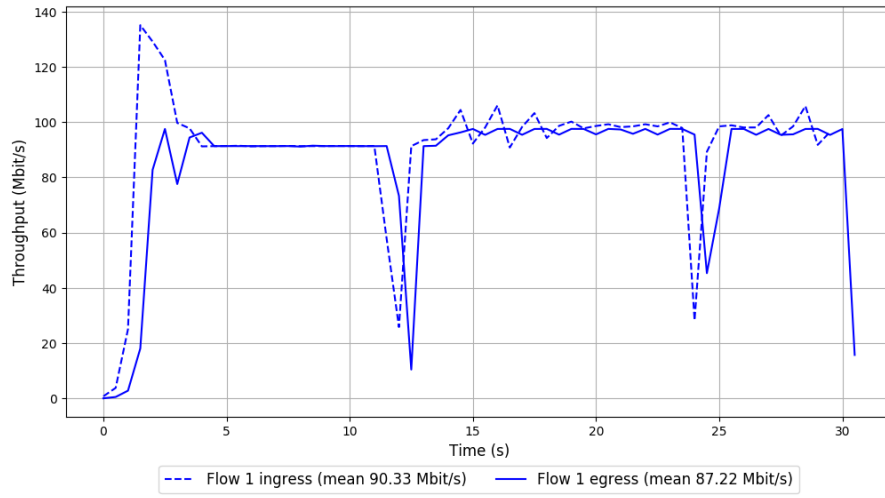
-- Flow 1:

Average throughput: 87.22 Mbit/s

95th percentile per-packet one-way delay: 115.186 ms

Loss rate: 3.42%

### Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

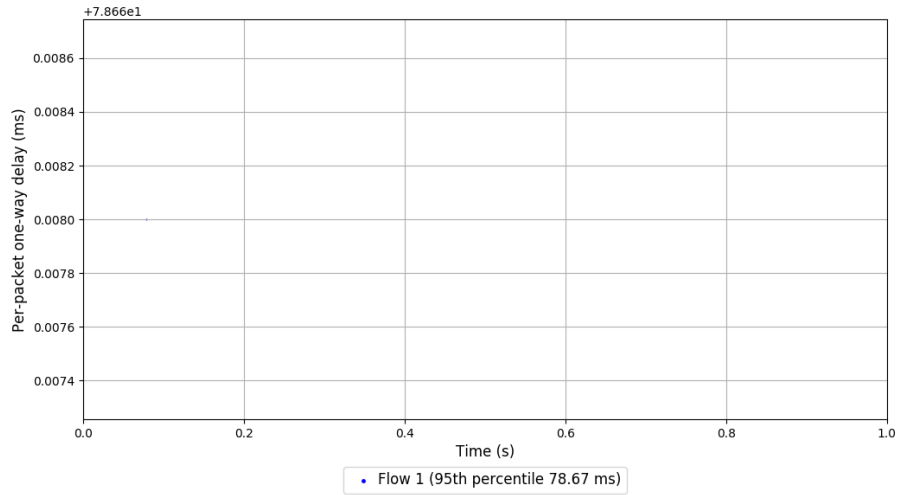
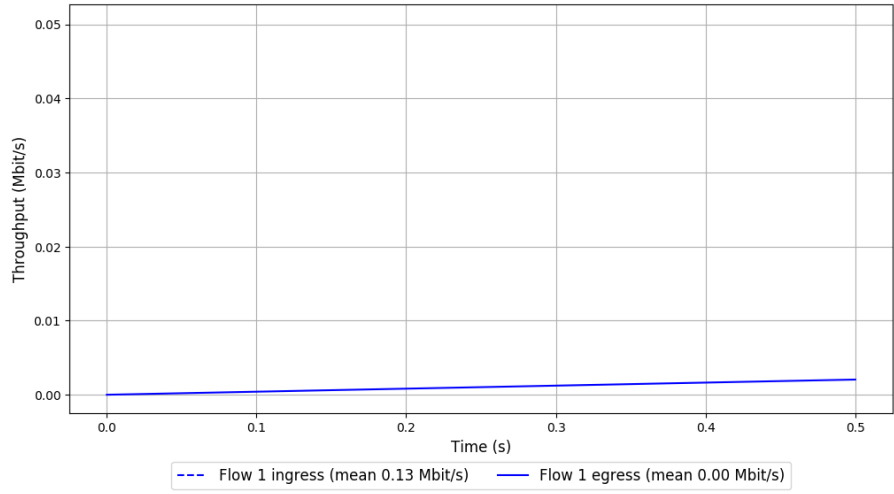
Start at: 2019-05-29 19:45:28

End at: 2019-05-29 19:45:58

Local clock offset: -7.128 ms

Remote clock offset: 4.623 ms

### Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2019-05-29 20:10:42

End at: 2019-05-29 20:11:12

Local clock offset: -5.645 ms

Remote clock offset: 6.638 ms

# Below is generated by plot.py at 2019-05-29 21:37:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 12.29 Mbit/s

95th percentile per-packet one-way delay: 83.496 ms

Loss rate: 73.41%

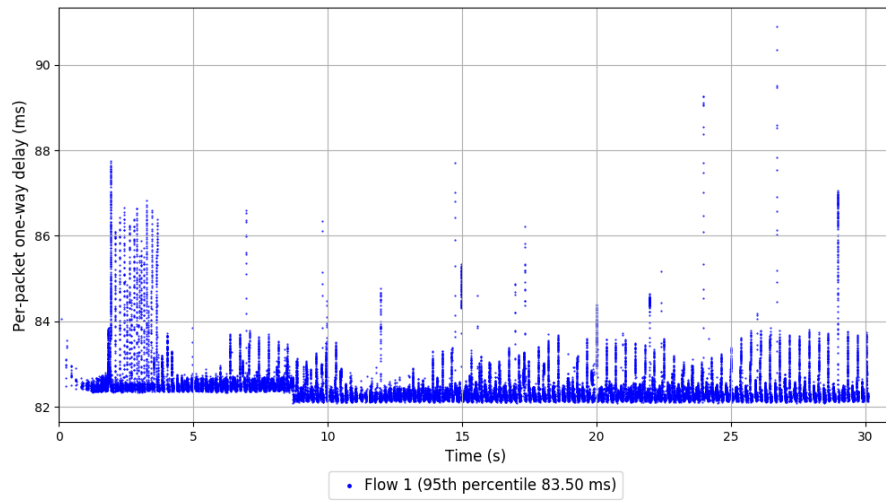
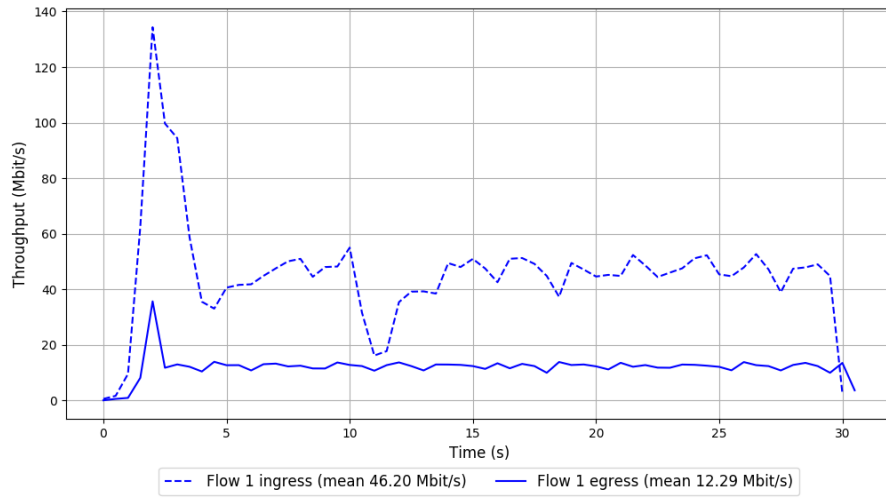
-- Flow 1:

Average throughput: 12.29 Mbit/s

95th percentile per-packet one-way delay: 83.496 ms

Loss rate: 73.41%

## Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2019-05-29 20:35:40

End at: 2019-05-29 20:36:10

Local clock offset: -6.428 ms

Remote clock offset: 1.212 ms

# Below is generated by plot.py at 2019-05-29 21:37:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 12.31 Mbit/s

95th percentile per-packet one-way delay: 81.548 ms

Loss rate: 74.35%

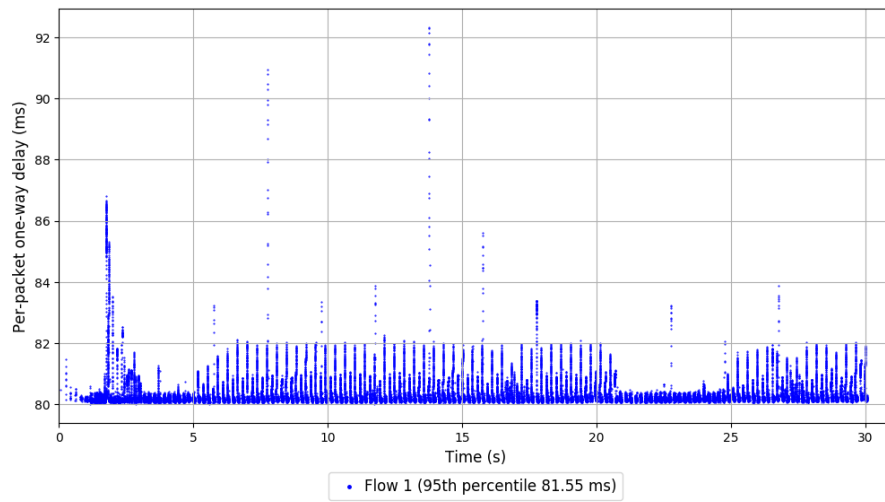
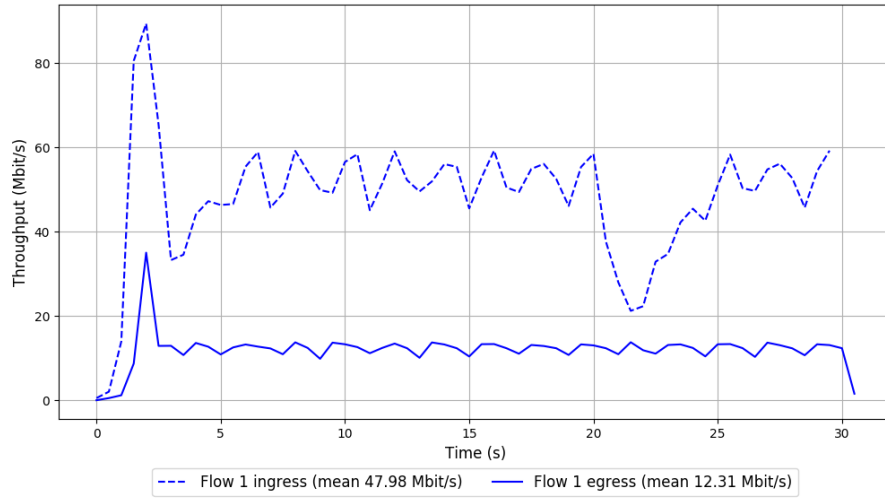
-- Flow 1:

Average throughput: 12.31 Mbit/s

95th percentile per-packet one-way delay: 81.548 ms

Loss rate: 74.35%

### Run 3: Report of Copa — Data Link





Run 4: Statistics of Copa

Start at: 2019-05-29 21:02:37

End at: 2019-05-29 21:03:07

Local clock offset: -4.539 ms

Remote clock offset: 0.917 ms

# Below is generated by plot.py at 2019-05-29 21:37:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 12.30 Mbit/s

95th percentile per-packet one-way delay: 82.188 ms

Loss rate: 69.92%

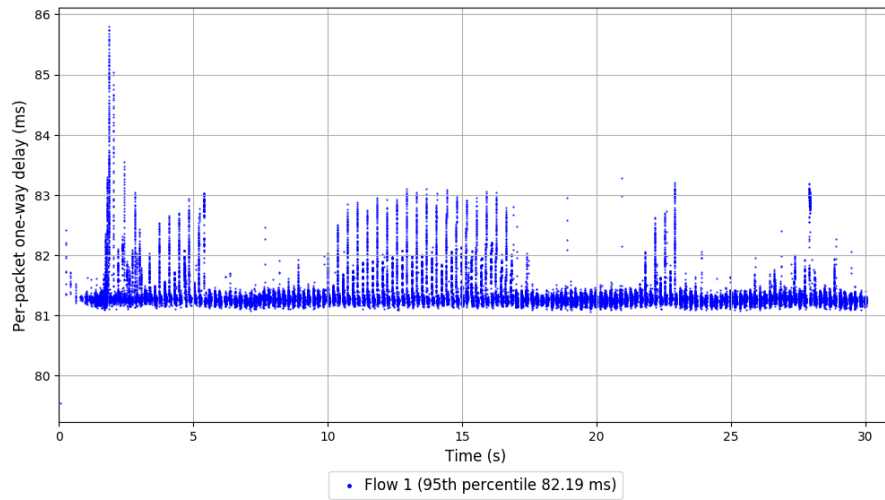
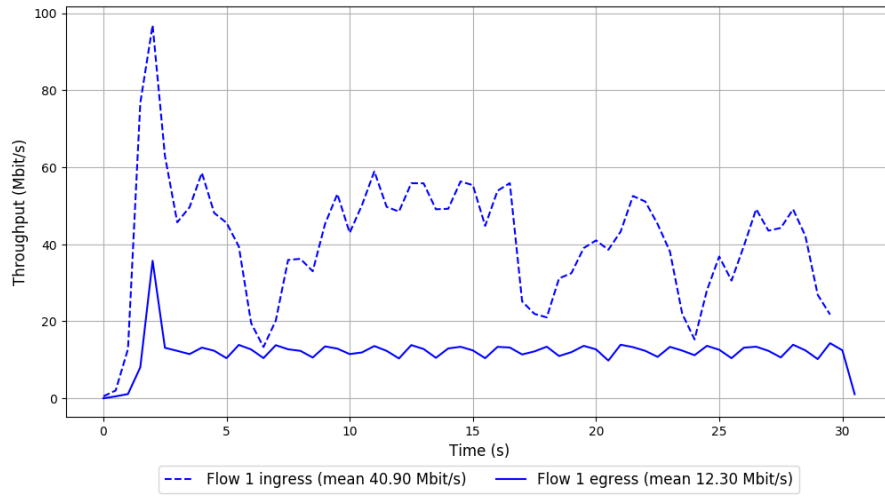
-- Flow 1:

Average throughput: 12.30 Mbit/s

95th percentile per-packet one-way delay: 82.188 ms

Loss rate: 69.92%

### Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

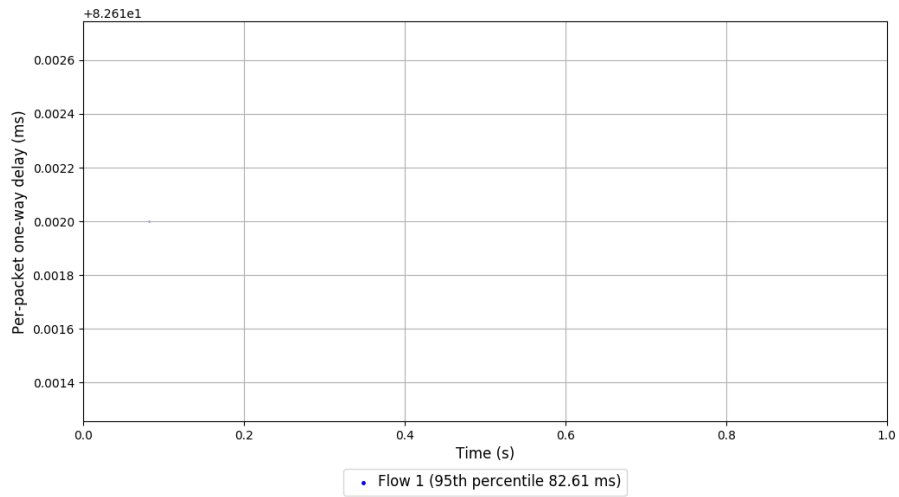
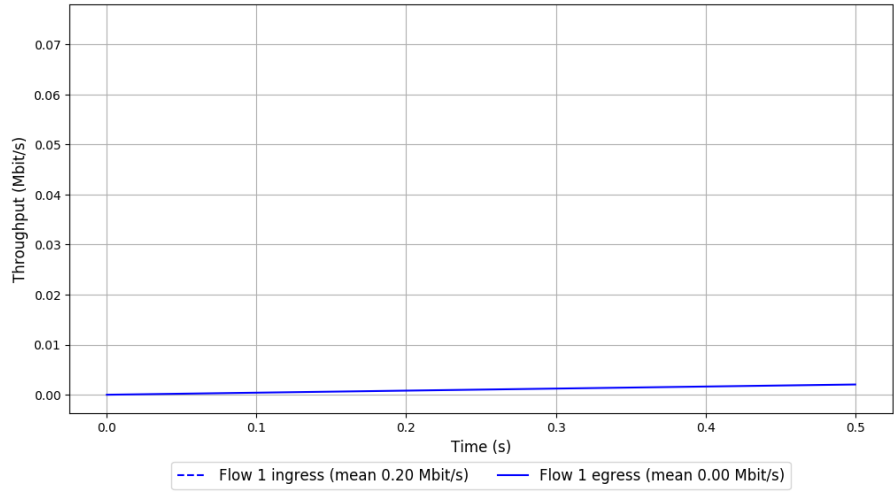
Start at: 2019-05-29 21:27:19

End at: 2019-05-29 21:27:49

Local clock offset: -5.151 ms

Remote clock offset: 5.354 ms

### Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-05-29 19:30:12

End at: 2019-05-29 19:30:42

Local clock offset: -9.097 ms

Remote clock offset: 0.056 ms

# Below is generated by plot.py at 2019-05-29 21:37:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.04 Mbit/s

95th percentile per-packet one-way delay: 107.332 ms

Loss rate: 0.92%

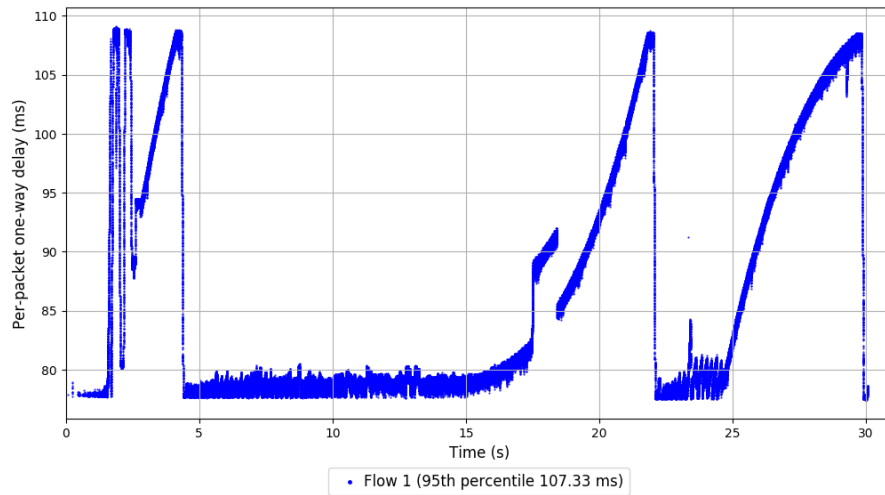
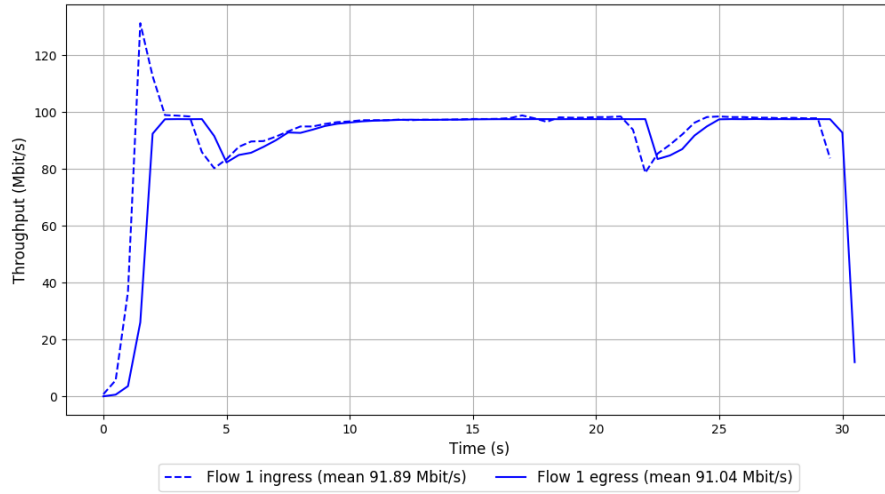
-- Flow 1:

Average throughput: 91.04 Mbit/s

95th percentile per-packet one-way delay: 107.332 ms

Loss rate: 0.92%

### Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-05-29 19:55:09

End at: 2019-05-29 19:55:39

Local clock offset: -5.731 ms

Remote clock offset: 7.83 ms

# Below is generated by plot.py at 2019-05-29 21:37:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 85.67 Mbit/s

95th percentile per-packet one-way delay: 104.045 ms

Loss rate: 0.49%

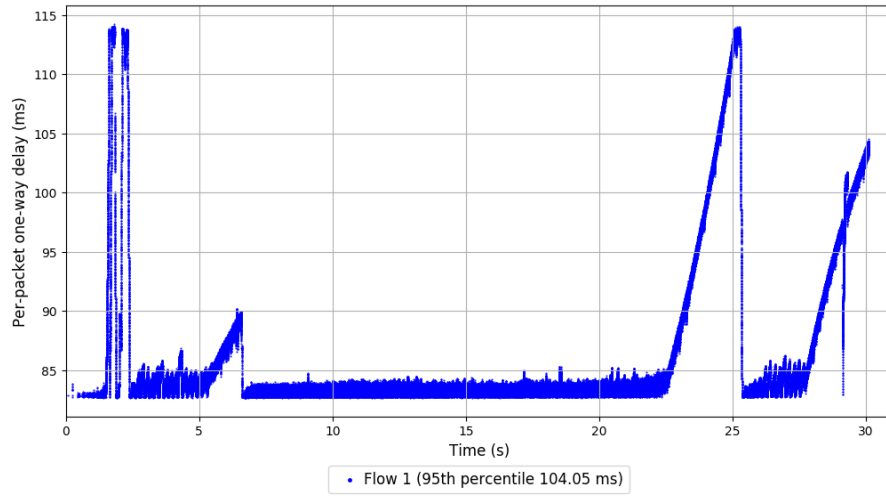
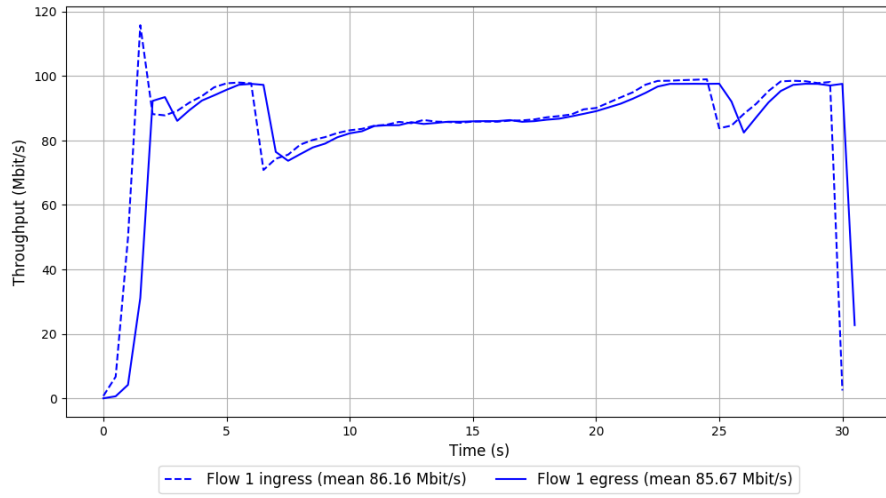
-- Flow 1:

Average throughput: 85.67 Mbit/s

95th percentile per-packet one-way delay: 104.045 ms

Loss rate: 0.49%

## Run 2: Report of TCP Cubic — Data Link





Run 3: Statistics of TCP Cubic

Start at: 2019-05-29 20:20:08

End at: 2019-05-29 20:20:38

Local clock offset: -5.99 ms

Remote clock offset: 9.581 ms

# Below is generated by plot.py at 2019-05-29 21:37:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 42.91 Mbit/s

95th percentile per-packet one-way delay: 88.037 ms

Loss rate: 0.70%

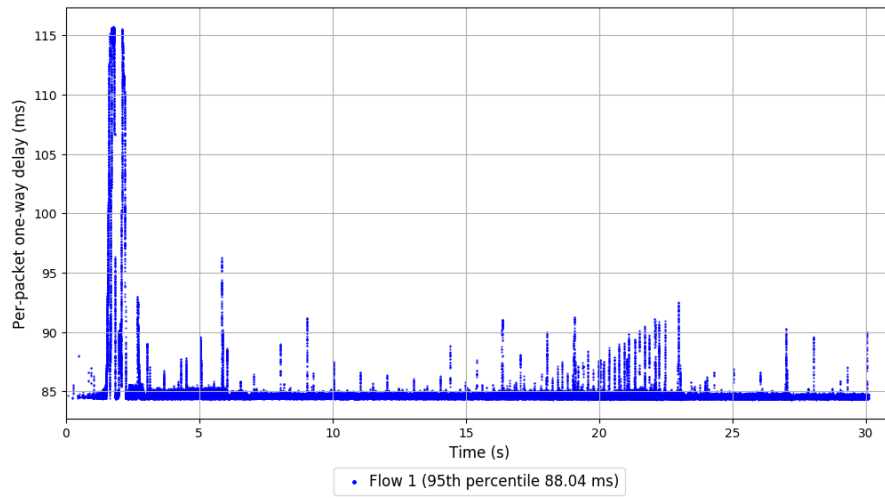
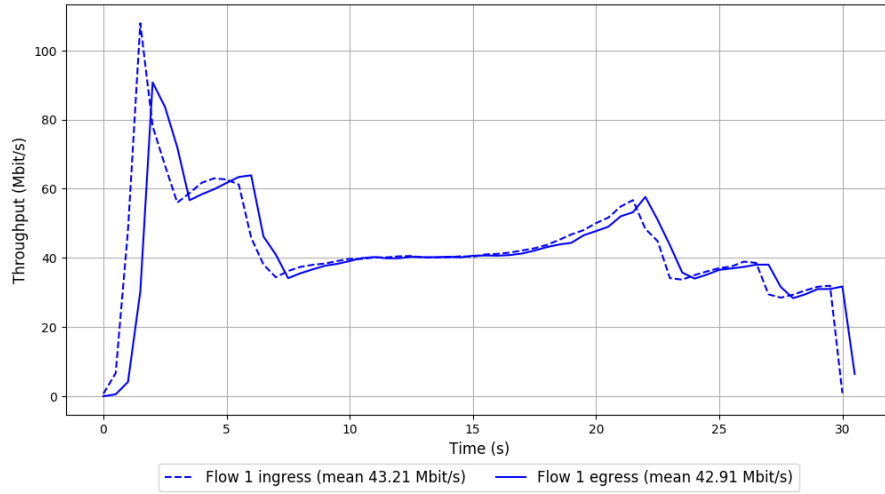
-- Flow 1:

Average throughput: 42.91 Mbit/s

95th percentile per-packet one-way delay: 88.037 ms

Loss rate: 0.70%

### Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-05-29 20:45:14

End at: 2019-05-29 20:45:44

Local clock offset: -5.038 ms

Remote clock offset: 5.366 ms

# Below is generated by plot.py at 2019-05-29 21:37:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 67.45 Mbit/s

95th percentile per-packet one-way delay: 111.378 ms

Loss rate: 1.25%

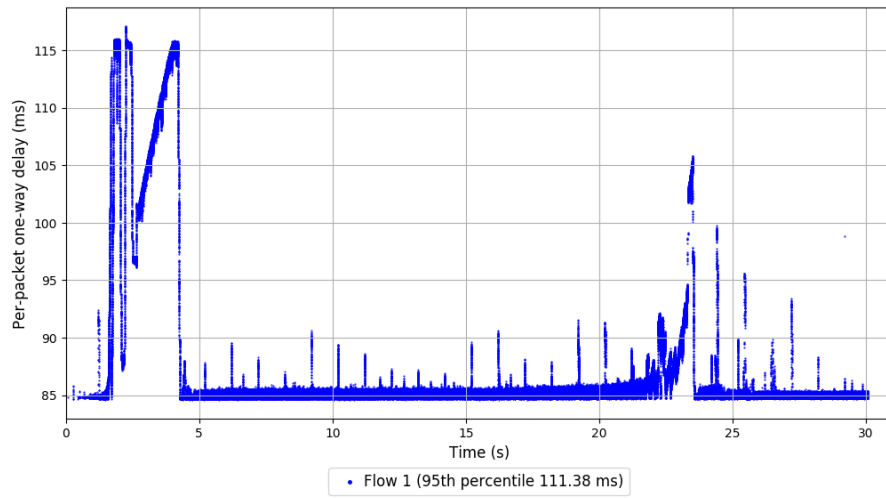
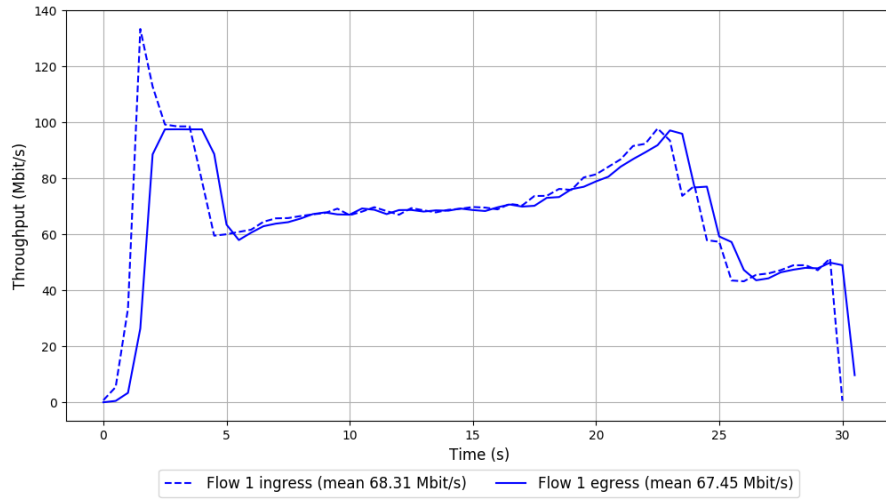
-- Flow 1:

Average throughput: 67.45 Mbit/s

95th percentile per-packet one-way delay: 111.378 ms

Loss rate: 1.25%

#### Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-05-29 21:12:02

End at: 2019-05-29 21:12:33

Local clock offset: -4.002 ms

Remote clock offset: 5.164 ms

# Below is generated by plot.py at 2019-05-29 21:38:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.94 Mbit/s

95th percentile per-packet one-way delay: 111.825 ms

Loss rate: 0.47%

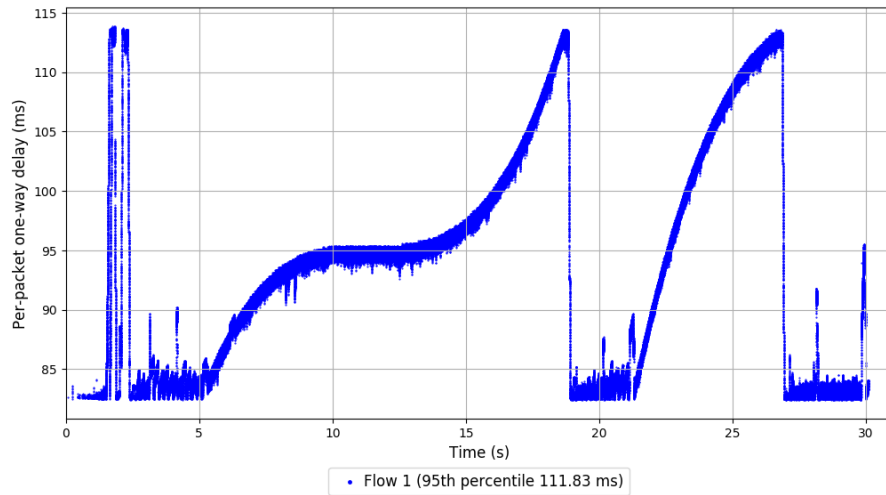
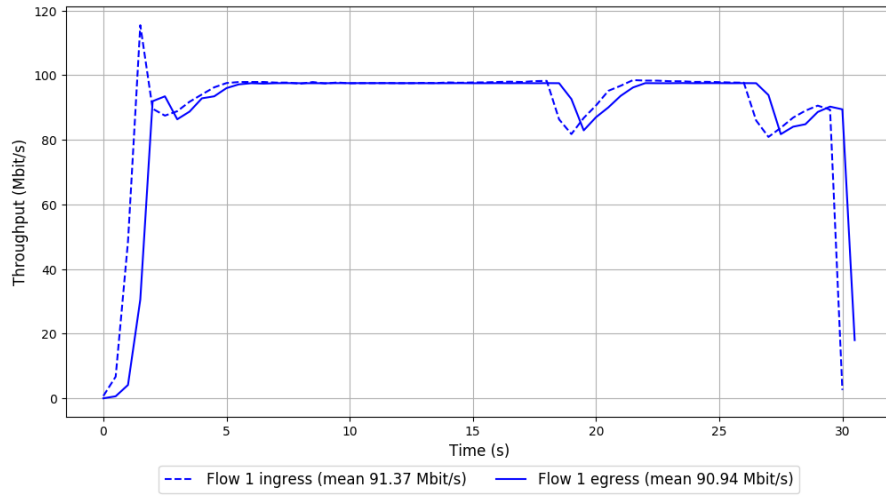
-- Flow 1:

Average throughput: 90.94 Mbit/s

95th percentile per-packet one-way delay: 111.825 ms

Loss rate: 0.47%

### Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-05-29 19:51:20

End at: 2019-05-29 19:51:50

Local clock offset: -5.716 ms

Remote clock offset: 3.392 ms

# Below is generated by plot.py at 2019-05-29 21:38:37

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.71 Mbit/s

95th percentile per-packet one-way delay: 96.911 ms

Loss rate: 1.00%

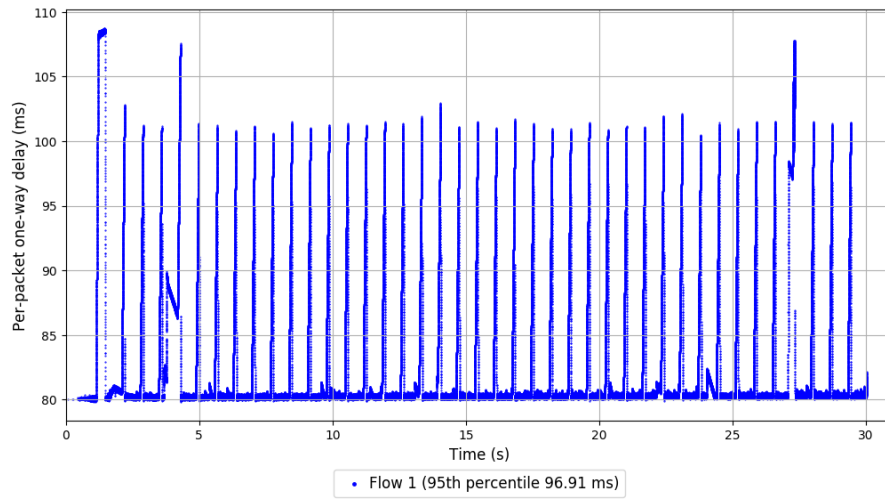
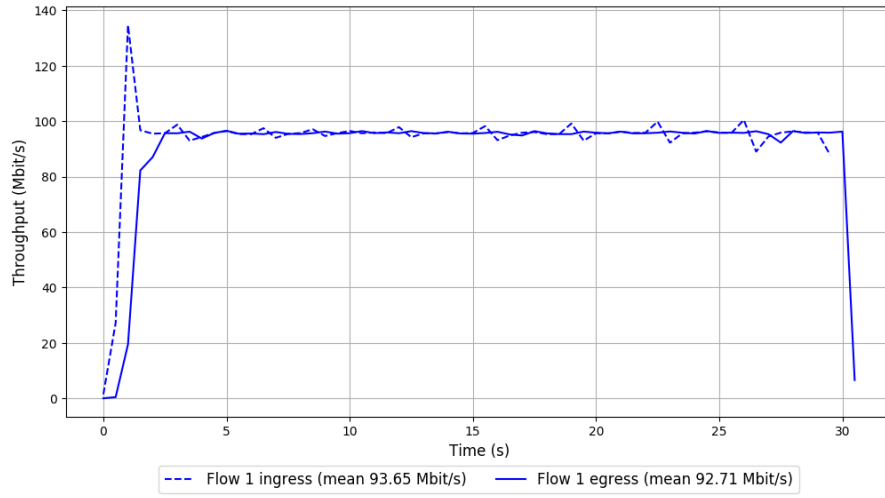
-- Flow 1:

Average throughput: 92.71 Mbit/s

95th percentile per-packet one-way delay: 96.911 ms

Loss rate: 1.00%

### Run 1: Report of FillP — Data Link





Run 2: Statistics of FillP

Start at: 2019-05-29 20:16:39

End at: 2019-05-29 20:17:09

Local clock offset: -6.0 ms

Remote clock offset: 3.104 ms

# Below is generated by plot.py at 2019-05-29 21:38:37

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.65 Mbit/s

95th percentile per-packet one-way delay: 96.067 ms

Loss rate: 1.05%

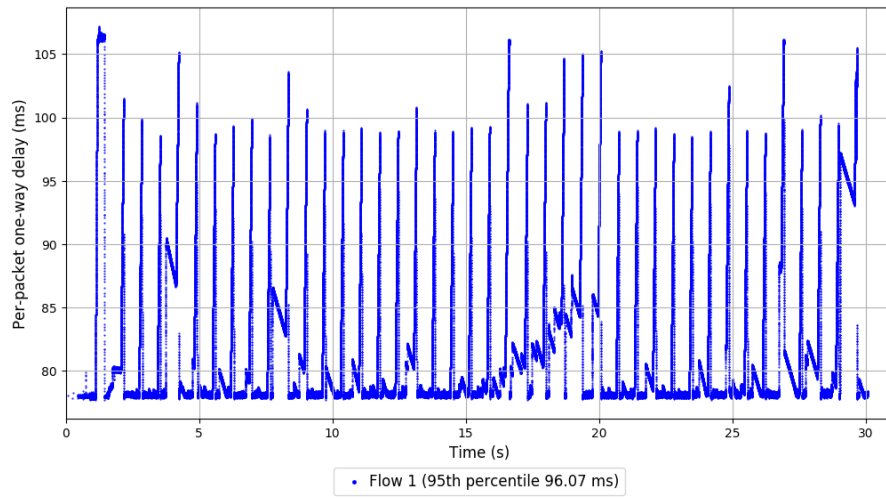
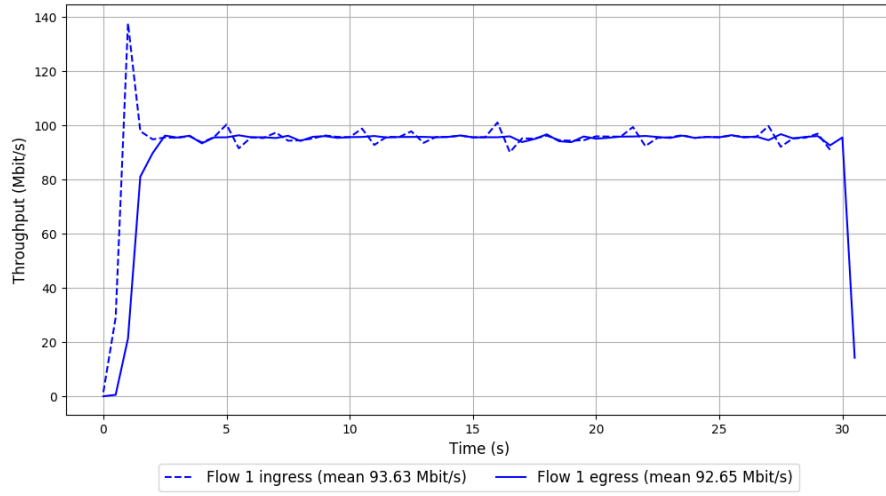
-- Flow 1:

Average throughput: 92.65 Mbit/s

95th percentile per-packet one-way delay: 96.067 ms

Loss rate: 1.05%

## Run 2: Report of FillP — Data Link

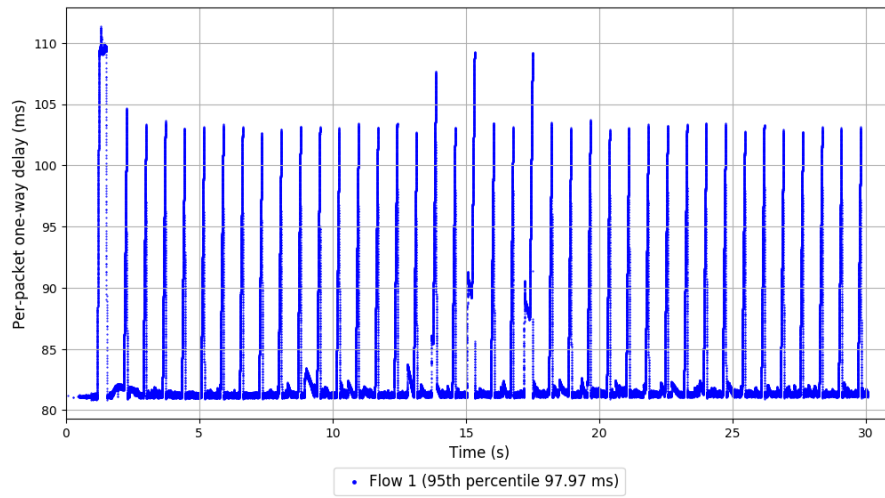
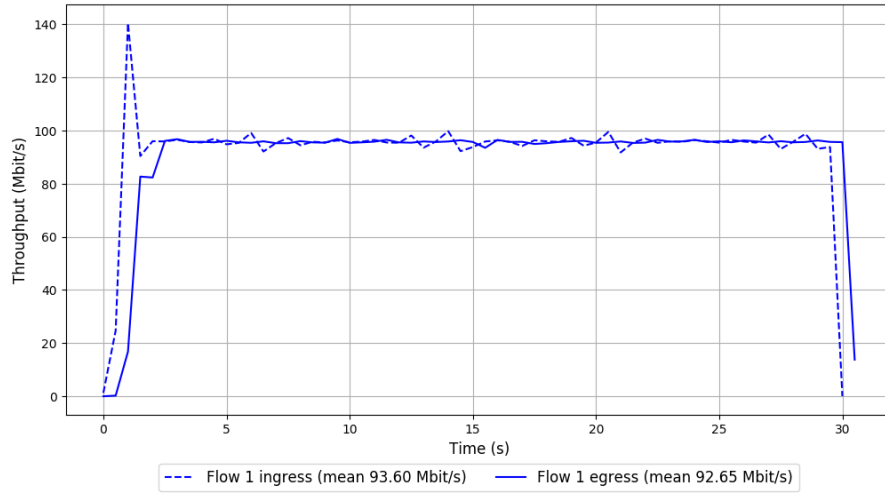


Run 3: Statistics of FillP

Start at: 2019-05-29 20:41:44  
End at: 2019-05-29 20:42:14  
Local clock offset: -5.552 ms  
Remote clock offset: -0.375 ms

# Below is generated by plot.py at 2019-05-29 21:38:37  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.65 Mbit/s  
95th percentile per-packet one-way delay: 97.967 ms  
Loss rate: 1.06%  
-- Flow 1:  
Average throughput: 92.65 Mbit/s  
95th percentile per-packet one-way delay: 97.967 ms  
Loss rate: 1.06%

### Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-05-29 21:08:33

End at: 2019-05-29 21:09:03

Local clock offset: -4.411 ms

Remote clock offset: 0.746 ms

# Below is generated by plot.py at 2019-05-29 21:38:37

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.64 Mbit/s

95th percentile per-packet one-way delay: 97.122 ms

Loss rate: 1.06%

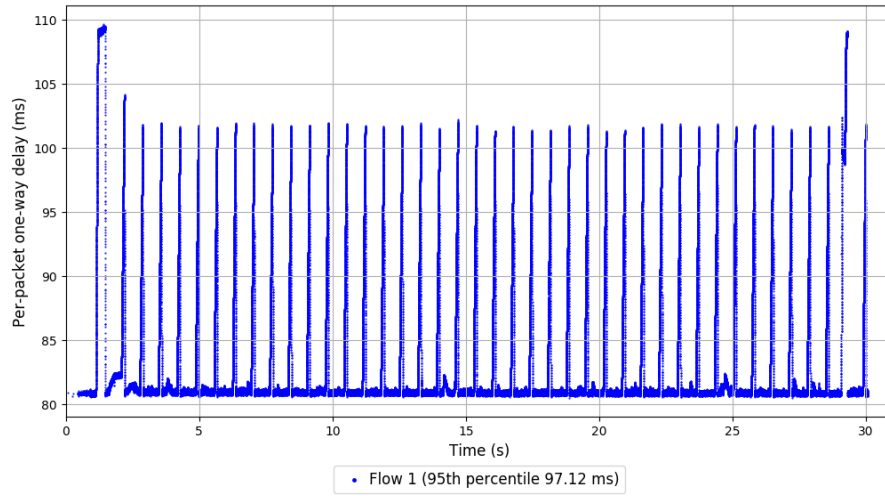
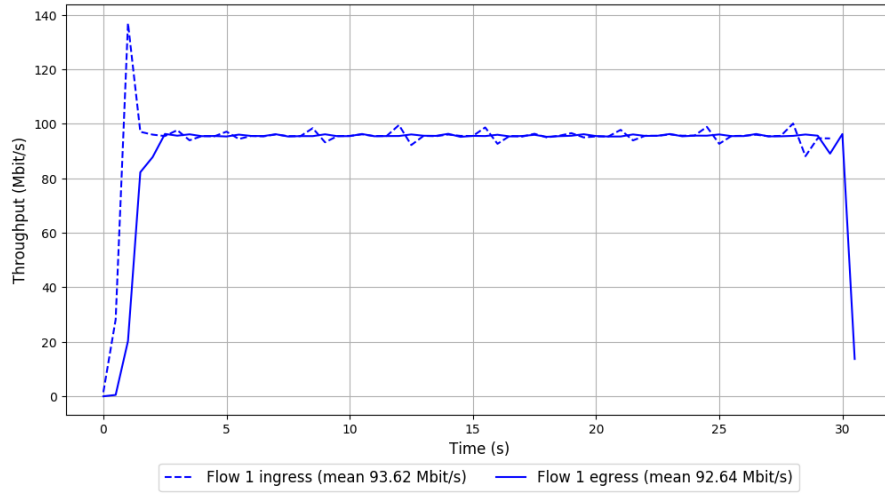
-- Flow 1:

Average throughput: 92.64 Mbit/s

95th percentile per-packet one-way delay: 97.122 ms

Loss rate: 1.06%

### Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-05-29 21:33:18

End at: 2019-05-29 21:33:48

Local clock offset: -5.059 ms

Remote clock offset: 3.886 ms

# Below is generated by plot.py at 2019-05-29 21:38:49

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.64 Mbit/s

95th percentile per-packet one-way delay: 100.805 ms

Loss rate: 1.00%

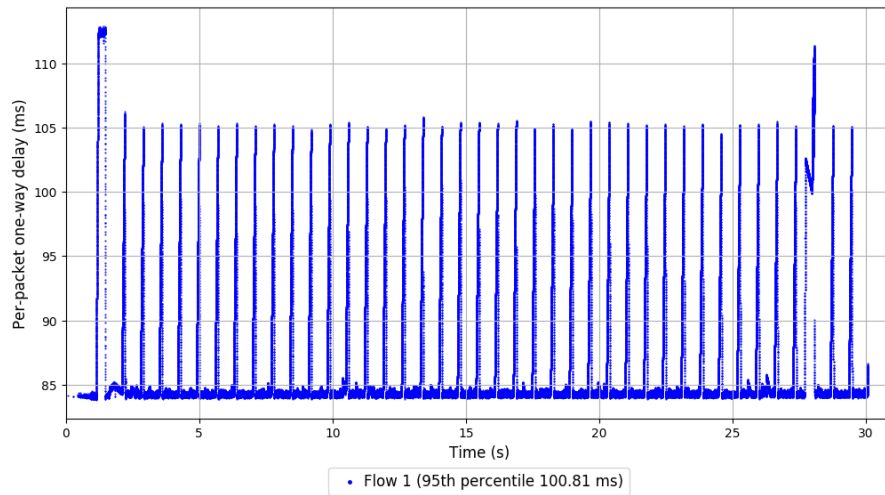
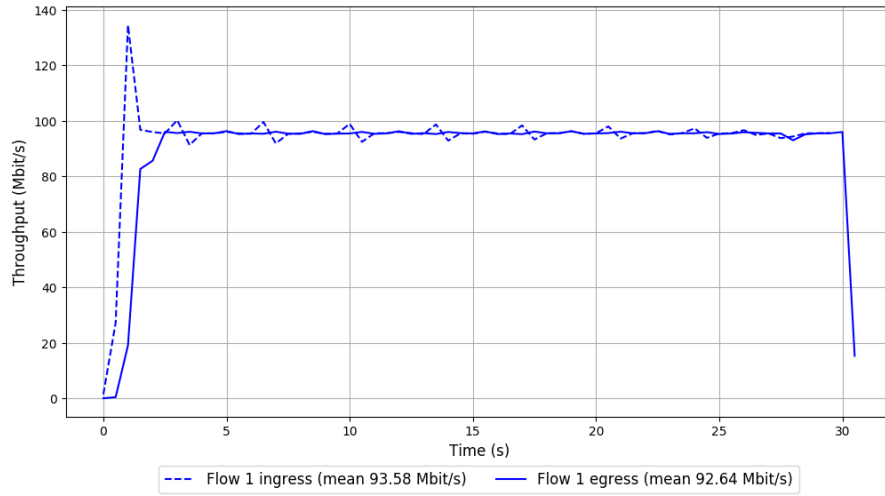
-- Flow 1:

Average throughput: 92.64 Mbit/s

95th percentile per-packet one-way delay: 100.805 ms

Loss rate: 1.00%

### Run 5: Report of FillP — Data Link





Run 1: Statistics of FillP-Sheep

Start at: 2019-05-29 19:31:24

End at: 2019-05-29 19:31:54

Local clock offset: -9.301 ms

Remote clock offset: 6.913 ms

# Below is generated by plot.py at 2019-05-29 21:38:50

# Datalink statistics

-- Total of 1 flow:

Average throughput: 88.98 Mbit/s

95th percentile per-packet one-way delay: 100.931 ms

Loss rate: 1.14%

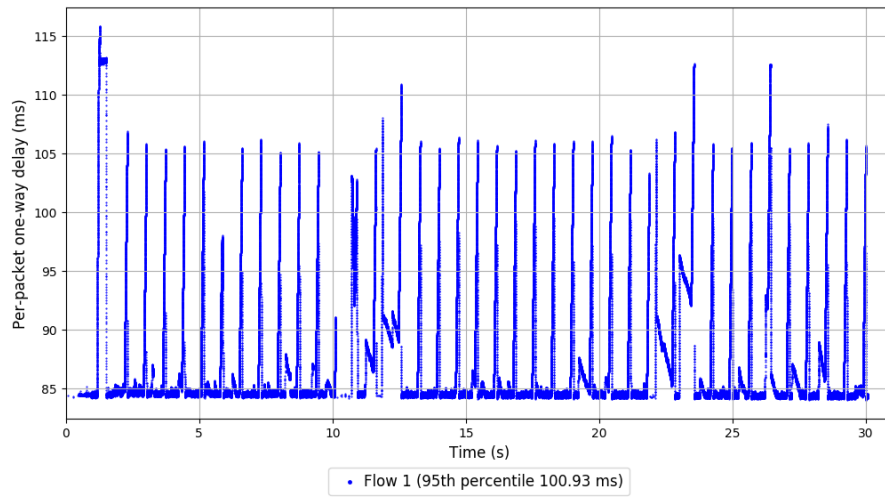
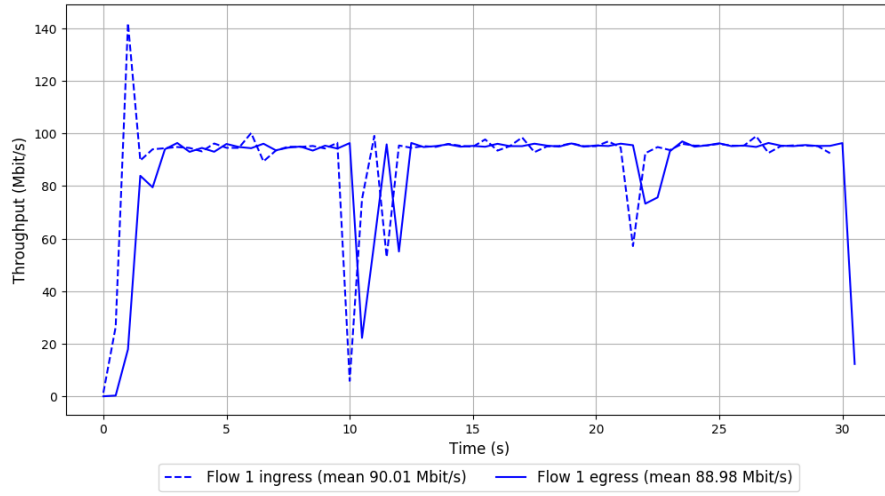
-- Flow 1:

Average throughput: 88.98 Mbit/s

95th percentile per-packet one-way delay: 100.931 ms

Loss rate: 1.14%

# Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-05-29 19:56:21

End at: 2019-05-29 19:56:51

Local clock offset: -6.272 ms

Remote clock offset: 7.708 ms

# Below is generated by plot.py at 2019-05-29 21:39:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.54 Mbit/s

95th percentile per-packet one-way delay: 103.704 ms

Loss rate: 1.15%

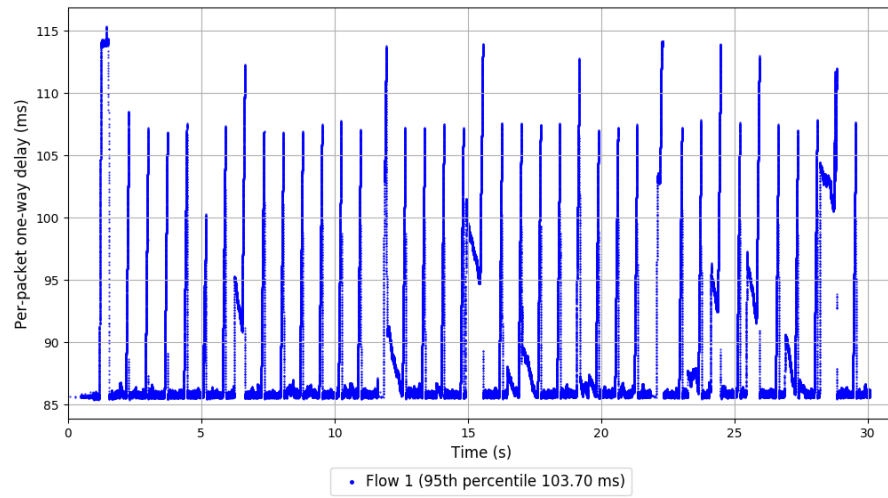
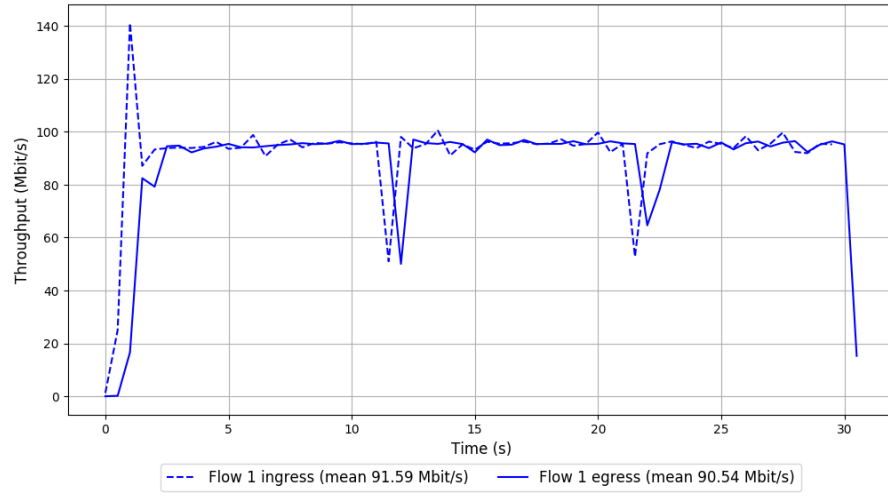
-- Flow 1:

Average throughput: 90.54 Mbit/s

95th percentile per-packet one-way delay: 103.704 ms

Loss rate: 1.15%

## Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-05-29 20:21:18

End at: 2019-05-29 20:21:48

Local clock offset: -5.209 ms

Remote clock offset: 9.868 ms

# Below is generated by plot.py at 2019-05-29 21:39:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.61 Mbit/s

95th percentile per-packet one-way delay: 102.823 ms

Loss rate: 1.06%

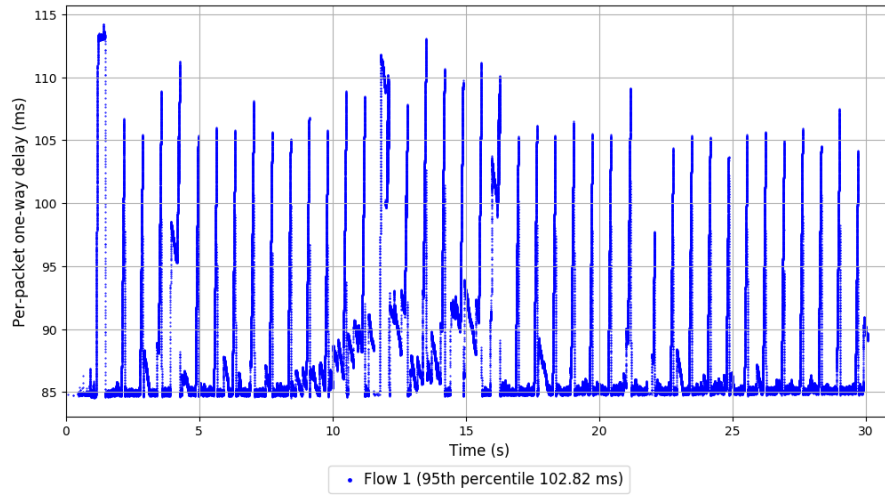
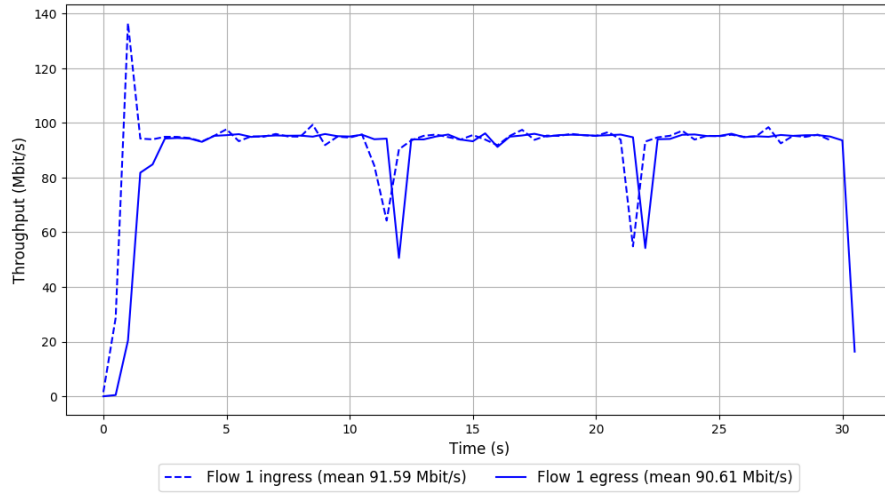
-- Flow 1:

Average throughput: 90.61 Mbit/s

95th percentile per-packet one-way delay: 102.823 ms

Loss rate: 1.06%

### Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-05-29 20:47:36

End at: 2019-05-29 20:48:06

Local clock offset: -4.872 ms

Remote clock offset: 4.119 ms

# Below is generated by plot.py at 2019-05-29 21:39:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 29.29 Mbit/s

95th percentile per-packet one-way delay: 103.955 ms

Loss rate: 3.68%

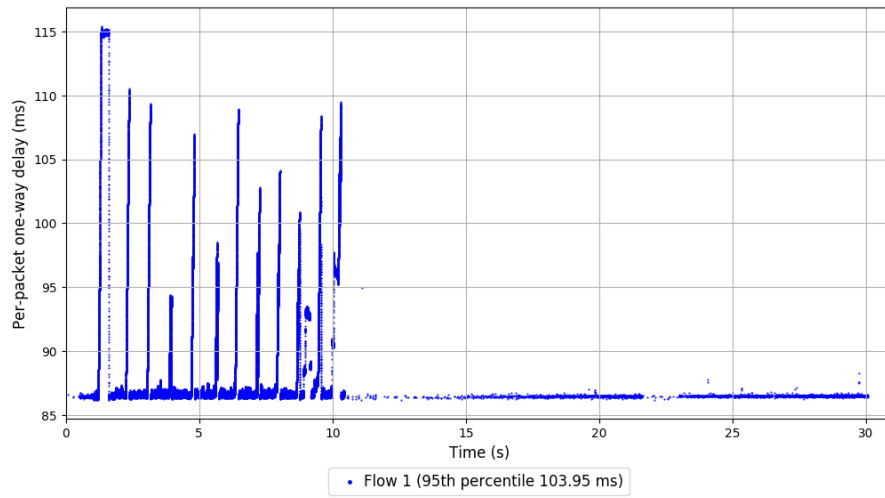
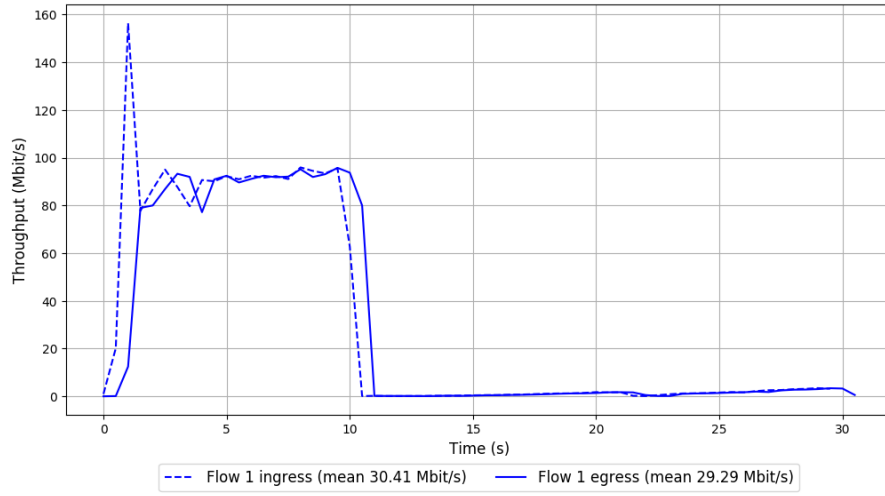
-- Flow 1:

Average throughput: 29.29 Mbit/s

95th percentile per-packet one-way delay: 103.955 ms

Loss rate: 3.68%

#### Run 4: Report of FillP-Sheep — Data Link





Run 5: Statistics of FillP-Sheep

Start at: 2019-05-29 21:13:15

End at: 2019-05-29 21:13:45

Local clock offset: -5.152 ms

Remote clock offset: 1.198 ms

# Below is generated by plot.py at 2019-05-29 21:39:51

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.53 Mbit/s

95th percentile per-packet one-way delay: 100.781 ms

Loss rate: 1.08%

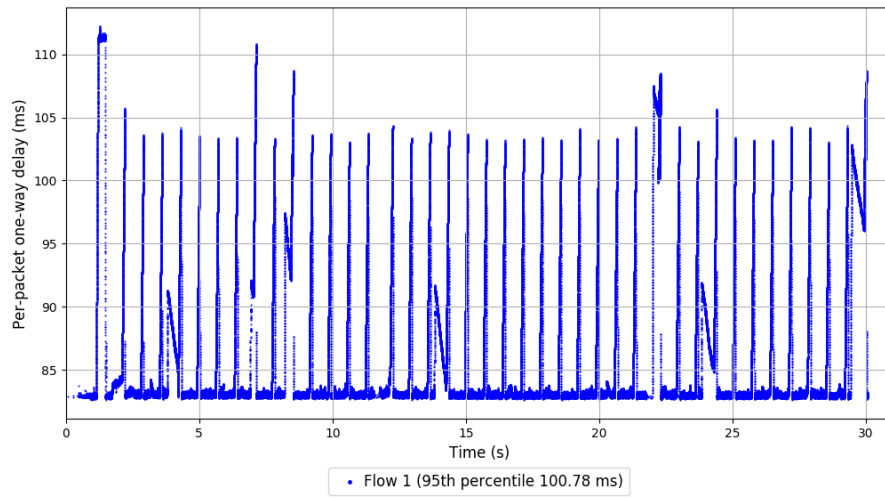
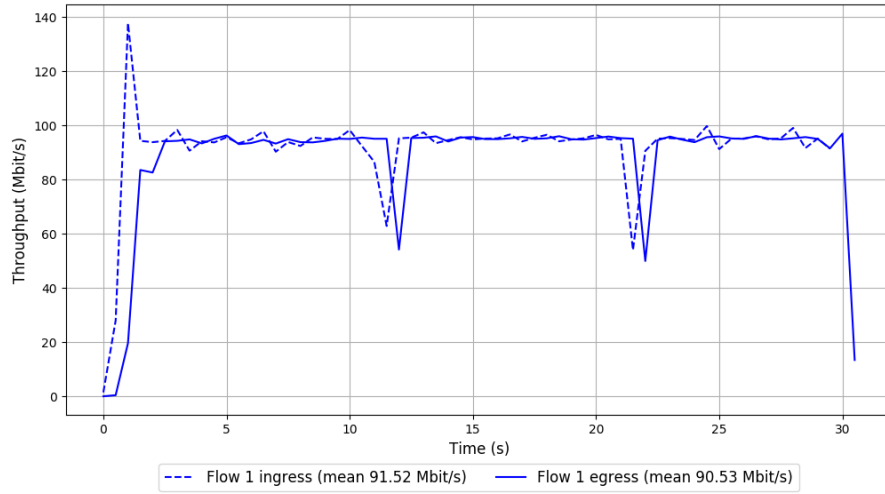
-- Flow 1:

Average throughput: 90.53 Mbit/s

95th percentile per-packet one-way delay: 100.781 ms

Loss rate: 1.08%

### Run 5: Report of FillP-Sheep — Data Link

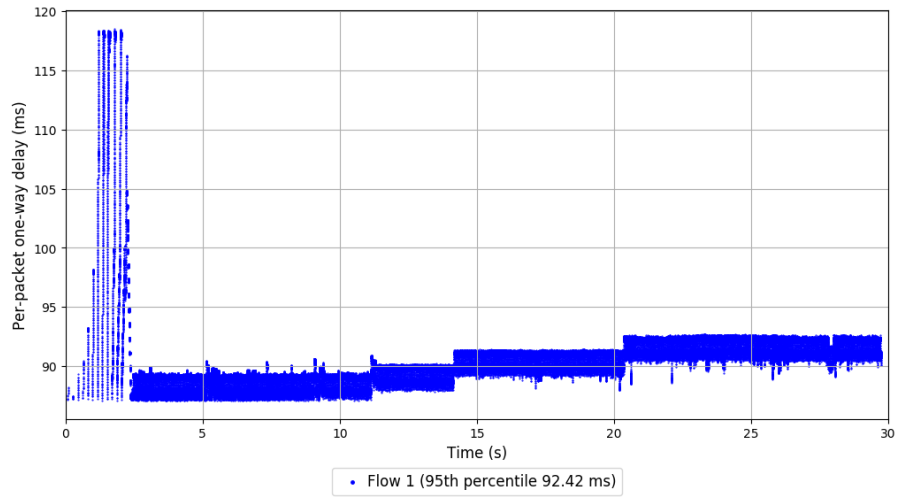
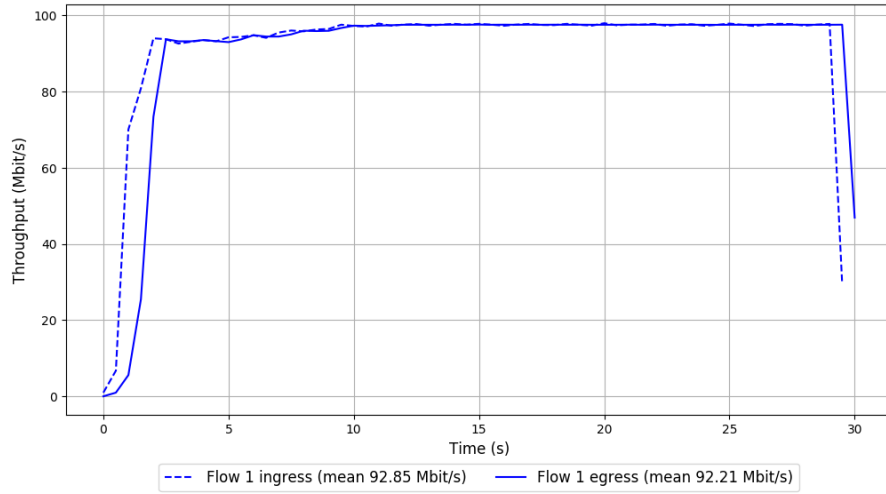


Run 1: Statistics of Indigo

Start at: 2019-05-29 19:41:57  
End at: 2019-05-29 19:42:27  
Local clock offset: -7.901 ms  
Remote clock offset: 10.032 ms

# Below is generated by plot.py at 2019-05-29 21:39:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.21 Mbit/s  
95th percentile per-packet one-way delay: 92.417 ms  
Loss rate: 0.69%  
-- Flow 1:  
Average throughput: 92.21 Mbit/s  
95th percentile per-packet one-way delay: 92.417 ms  
Loss rate: 0.69%

### Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-05-29 20:06:55

End at: 2019-05-29 20:07:25

Local clock offset: -5.97 ms

Remote clock offset: 3.745 ms

# Below is generated by plot.py at 2019-05-29 21:39:51

# Datalink statistics

-- Total of 1 flow:

Average throughput: 74.69 Mbit/s

95th percentile per-packet one-way delay: 82.664 ms

Loss rate: 0.72%

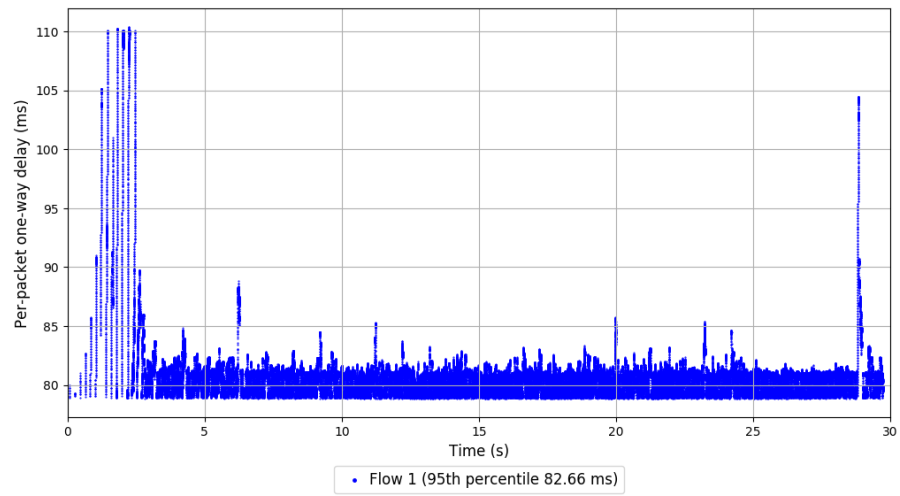
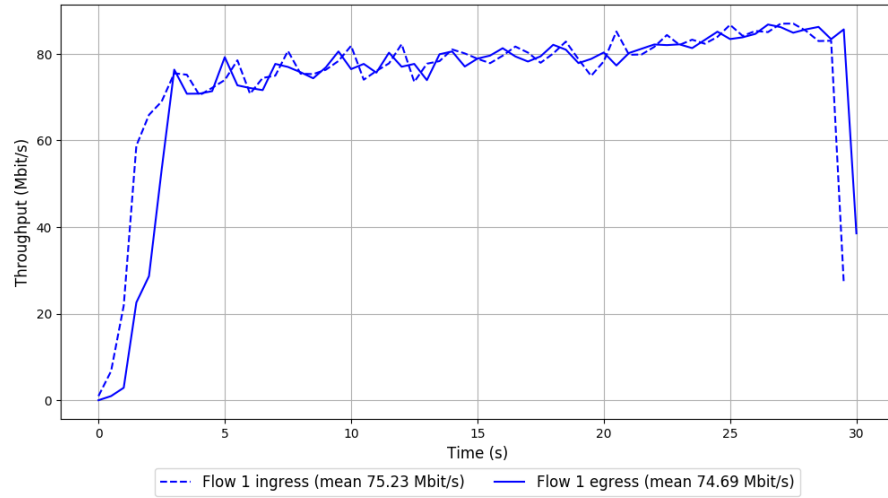
-- Flow 1:

Average throughput: 74.69 Mbit/s

95th percentile per-packet one-way delay: 82.664 ms

Loss rate: 0.72%

## Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-05-29 20:32:10

End at: 2019-05-29 20:32:40

Local clock offset: -6.265 ms

Remote clock offset: 5.165 ms

# Below is generated by plot.py at 2019-05-29 21:39:52

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.43 Mbit/s

95th percentile per-packet one-way delay: 90.332 ms

Loss rate: 1.33%

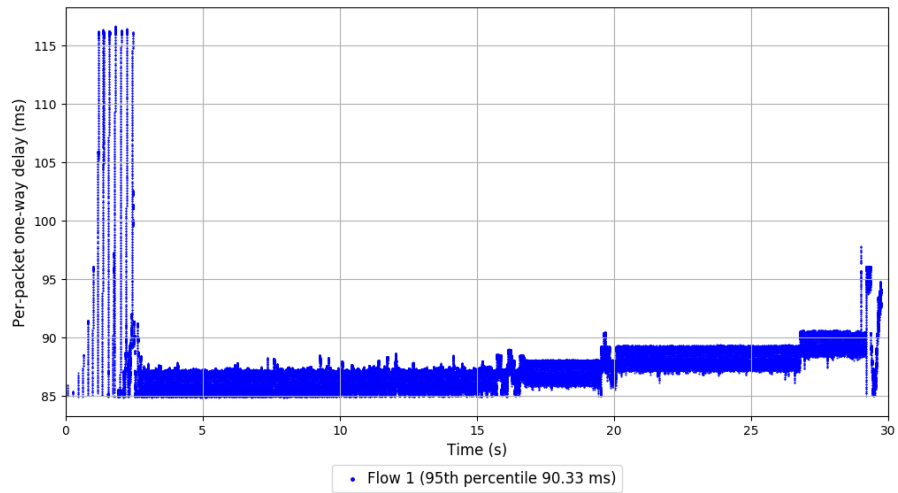
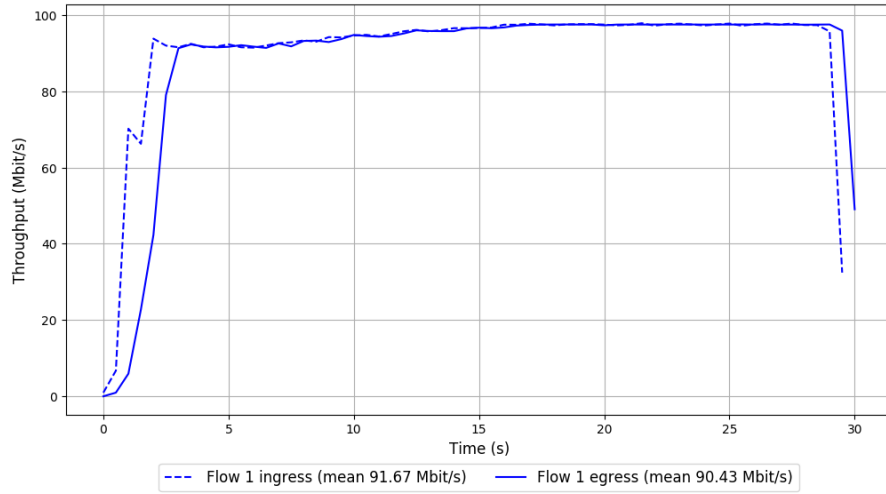
-- Flow 1:

Average throughput: 90.43 Mbit/s

95th percentile per-packet one-way delay: 90.332 ms

Loss rate: 1.33%

### Run 3: Report of Indigo — Data Link





Run 4: Statistics of Indigo

Start at: 2019-05-29 20:59:06

End at: 2019-05-29 20:59:36

Local clock offset: -4.426 ms

Remote clock offset: 0.556 ms

# Below is generated by plot.py at 2019-05-29 21:39:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.89 Mbit/s

95th percentile per-packet one-way delay: 87.273 ms

Loss rate: 0.69%

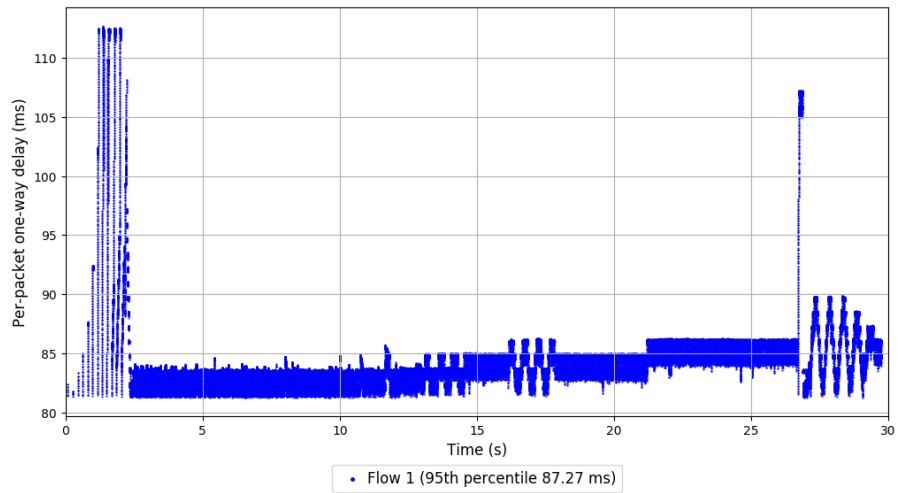
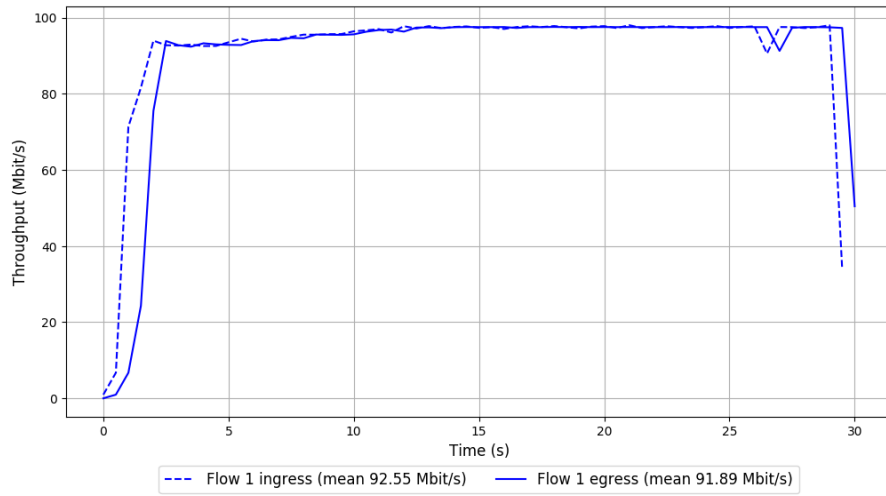
-- Flow 1:

Average throughput: 91.89 Mbit/s

95th percentile per-packet one-way delay: 87.273 ms

Loss rate: 0.69%

### Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-05-29 21:23:48

End at: 2019-05-29 21:24:19

Local clock offset: -5.56 ms

Remote clock offset: 0.137 ms

# Below is generated by plot.py at 2019-05-29 21:39:59

# Datalink statistics

-- Total of 1 flow:

Average throughput: 88.34 Mbit/s

95th percentile per-packet one-way delay: 85.682 ms

Loss rate: 1.24%

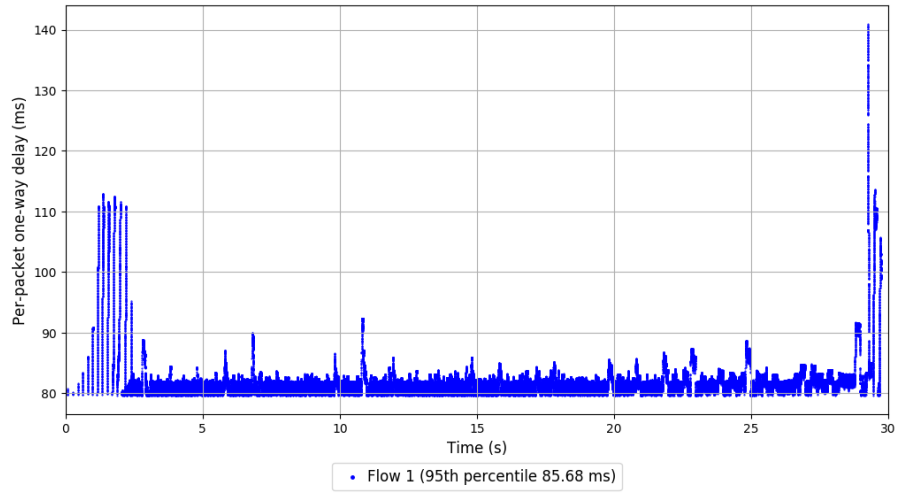
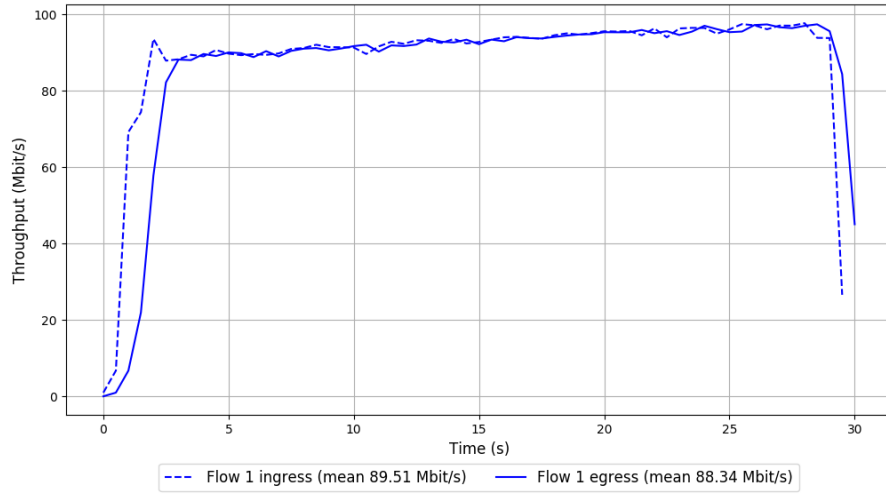
-- Flow 1:

Average throughput: 88.34 Mbit/s

95th percentile per-packet one-way delay: 85.682 ms

Loss rate: 1.24%

### Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-05-29 19:40:45

End at: 2019-05-29 19:41:15

Local clock offset: -8.616 ms

Remote clock offset: 9.965 ms

# Below is generated by plot.py at 2019-05-29 21:40:04

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.12 Mbit/s

95th percentile per-packet one-way delay: 98.801 ms

Loss rate: 0.17%

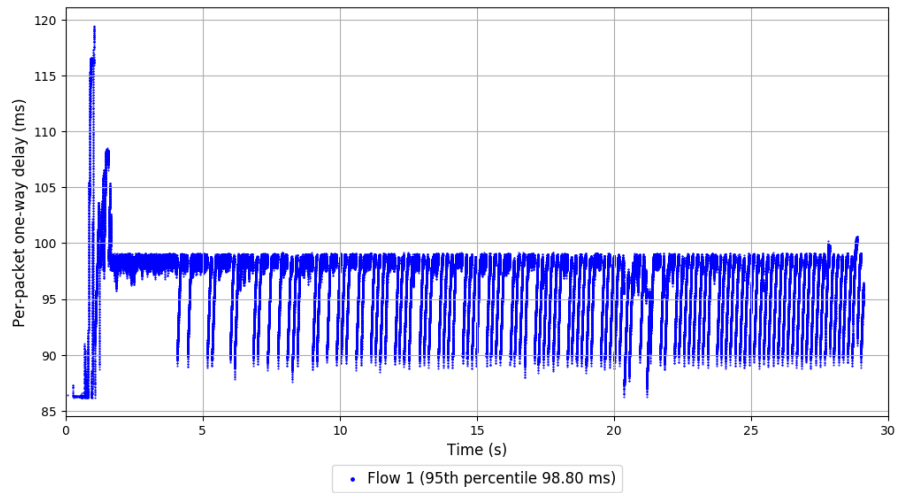
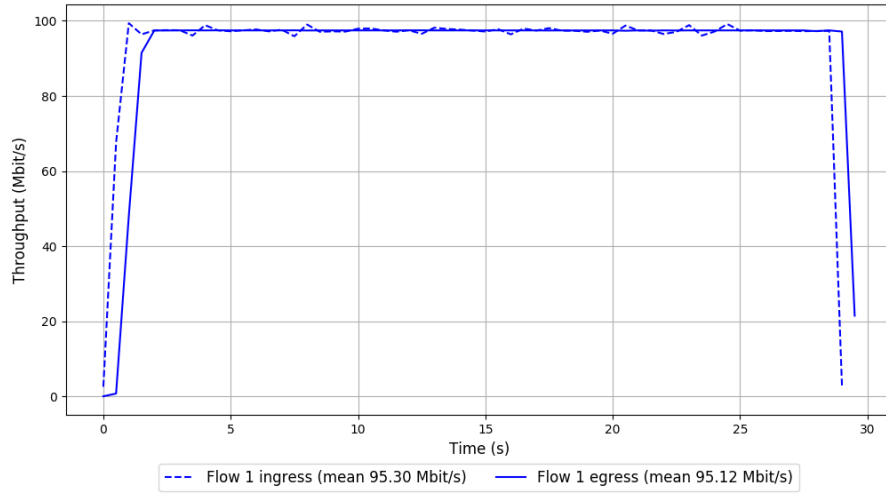
-- Flow 1:

Average throughput: 95.12 Mbit/s

95th percentile per-packet one-way delay: 98.801 ms

Loss rate: 0.17%

### Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-05-29 20:05:43

End at: 2019-05-29 20:06:13

Local clock offset: -5.634 ms

Remote clock offset: 8.884 ms

# Below is generated by plot.py at 2019-05-29 21:40:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.90 Mbit/s

95th percentile per-packet one-way delay: 104.810 ms

Loss rate: 0.26%

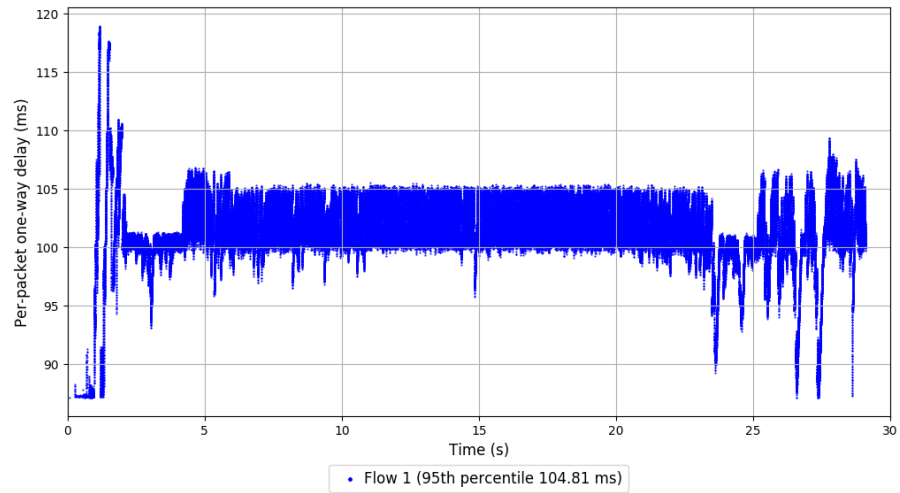
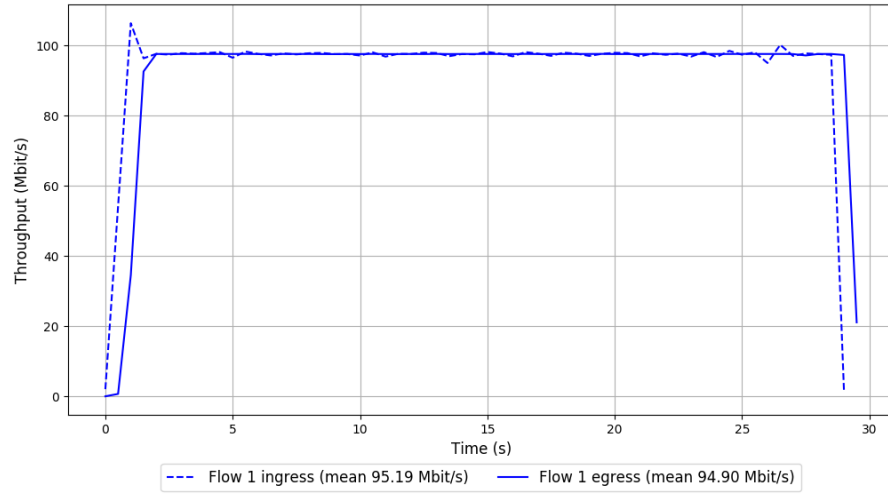
-- Flow 1:

Average throughput: 94.90 Mbit/s

95th percentile per-packet one-way delay: 104.810 ms

Loss rate: 0.26%

## Run 2: Report of Indigo-MusesC3 — Data Link





Run 3: Statistics of Indigo-MusesC3

Start at: 2019-05-29 20:30:57

End at: 2019-05-29 20:31:27

Local clock offset: -5.444 ms

Remote clock offset: 1.496 ms

# Below is generated by plot.py at 2019-05-29 21:40:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.09 Mbit/s

95th percentile per-packet one-way delay: 92.723 ms

Loss rate: 0.24%

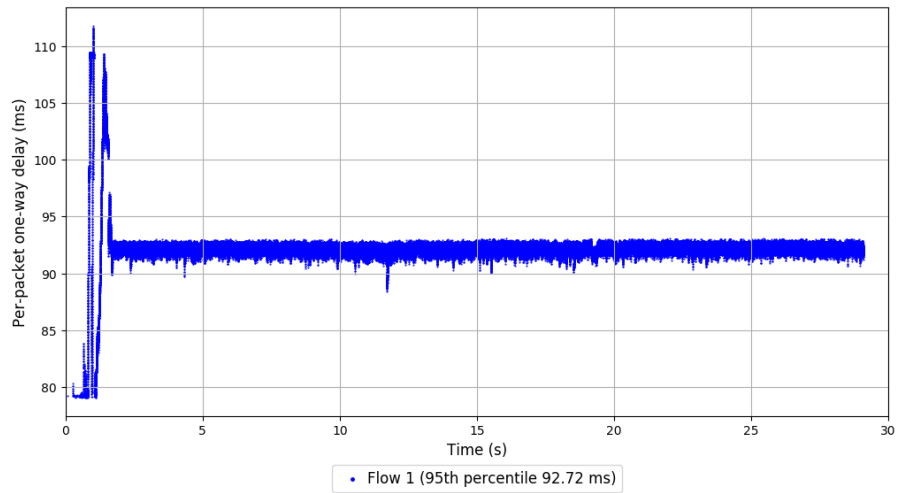
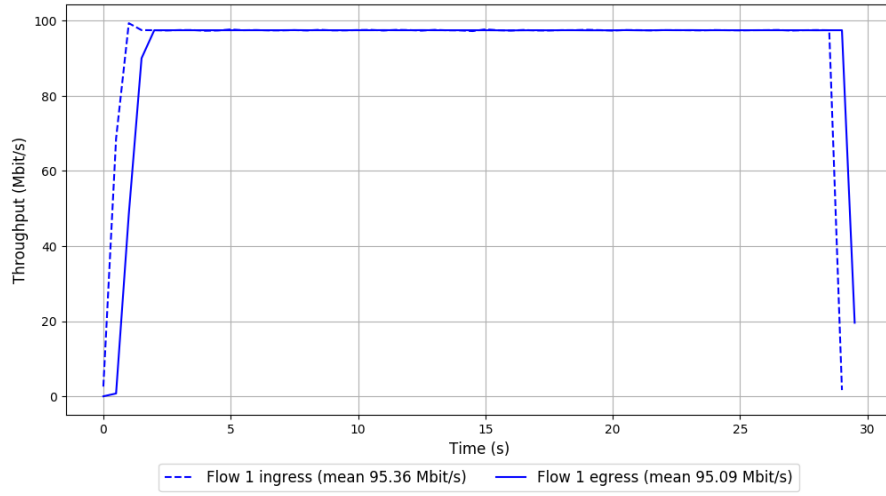
-- Flow 1:

Average throughput: 95.09 Mbit/s

95th percentile per-packet one-way delay: 92.723 ms

Loss rate: 0.24%

### Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-05-29 20:57:54

End at: 2019-05-29 20:58:24

Local clock offset: -4.376 ms

Remote clock offset: 4.783 ms

# Below is generated by plot.py at 2019-05-29 21:40:43

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.20 Mbit/s

95th percentile per-packet one-way delay: 100.955 ms

Loss rate: 0.06%

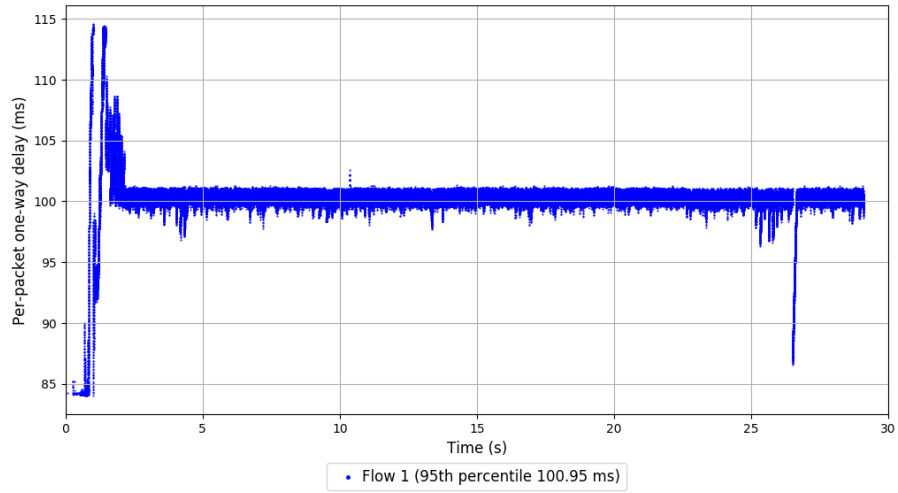
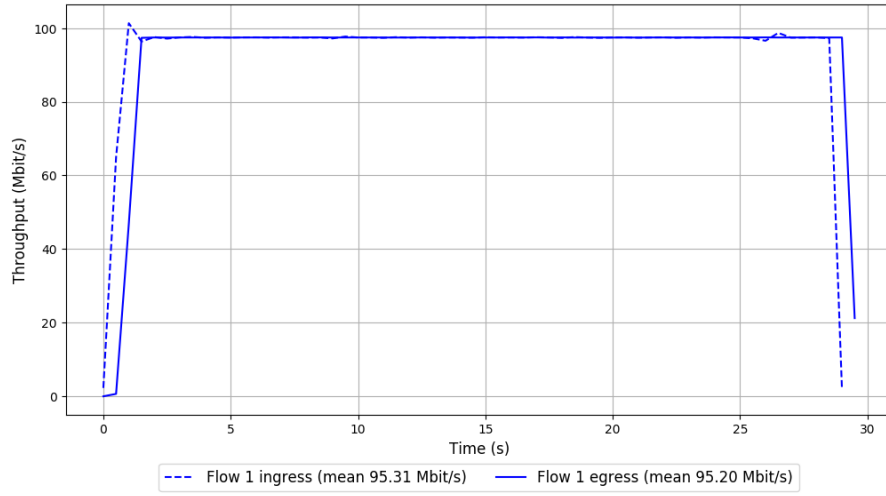
-- Flow 1:

Average throughput: 95.20 Mbit/s

95th percentile per-packet one-way delay: 100.955 ms

Loss rate: 0.06%

### Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-05-29 21:22:36

End at: 2019-05-29 21:23:06

Local clock offset: -5.493 ms

Remote clock offset: 3.946 ms

# Below is generated by plot.py at 2019-05-29 21:40:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.19 Mbit/s

95th percentile per-packet one-way delay: 95.057 ms

Loss rate: 0.21%

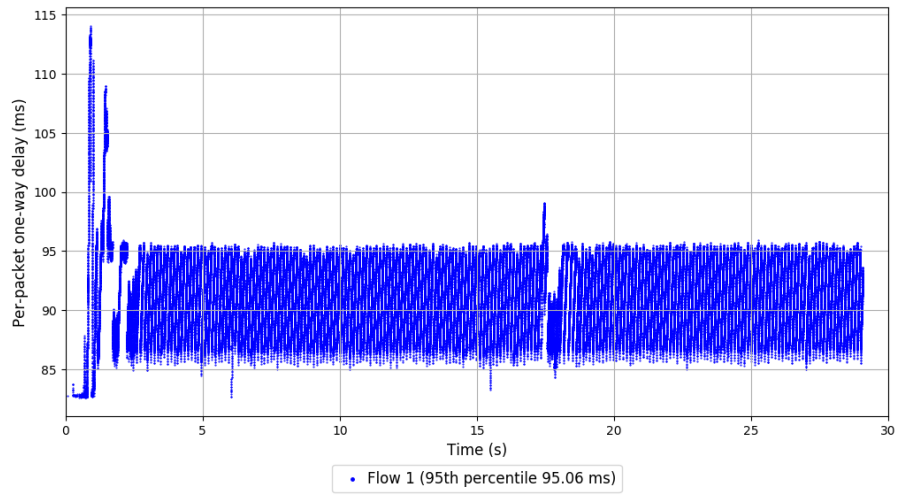
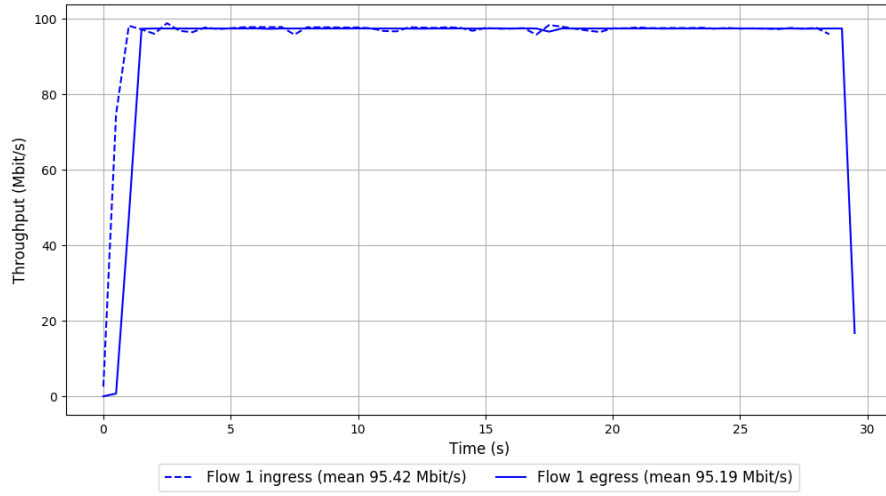
-- Flow 1:

Average throughput: 95.19 Mbit/s

95th percentile per-packet one-way delay: 95.057 ms

Loss rate: 0.21%

### Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-05-29 19:38:26

End at: 2019-05-29 19:38:56

Local clock offset: -9.303 ms

Remote clock offset: 8.14 ms

# Below is generated by plot.py at 2019-05-29 21:40:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.55 Mbit/s

95th percentile per-packet one-way delay: 92.089 ms

Loss rate: 0.12%

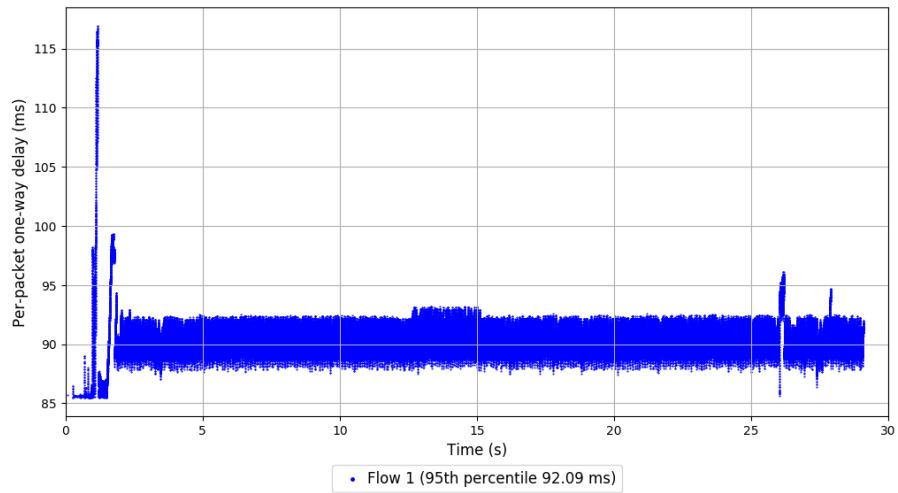
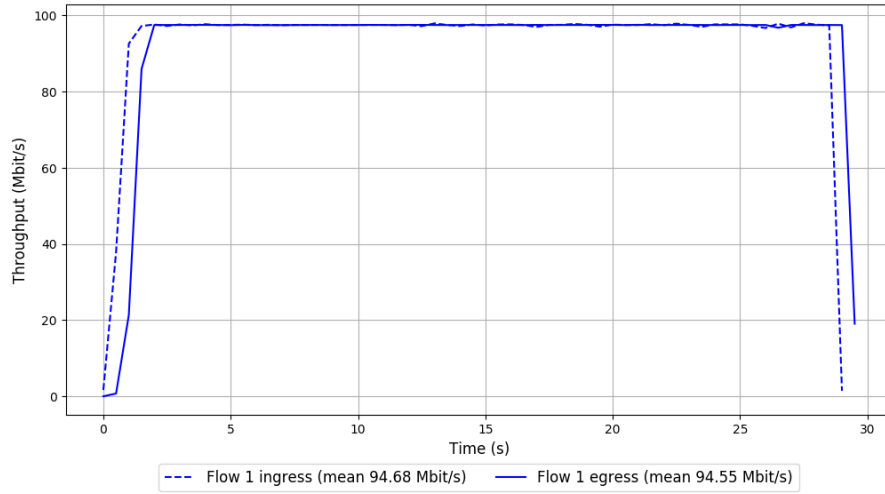
-- Flow 1:

Average throughput: 94.55 Mbit/s

95th percentile per-packet one-way delay: 92.089 ms

Loss rate: 0.12%

# Run 1: Report of Indigo-MusesC5 — Data Link





Run 2: Statistics of Indigo-MusesC5

Start at: 2019-05-29 20:03:24

End at: 2019-05-29 20:03:54

Local clock offset: -5.635 ms

Remote clock offset: 3.208 ms

# Below is generated by plot.py at 2019-05-29 21:40:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 89.74 Mbit/s

95th percentile per-packet one-way delay: 94.733 ms

Loss rate: 0.00%

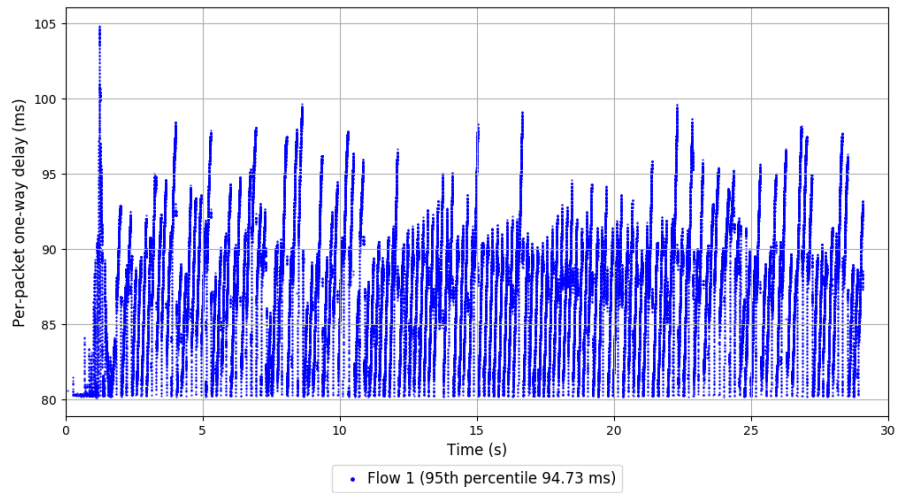
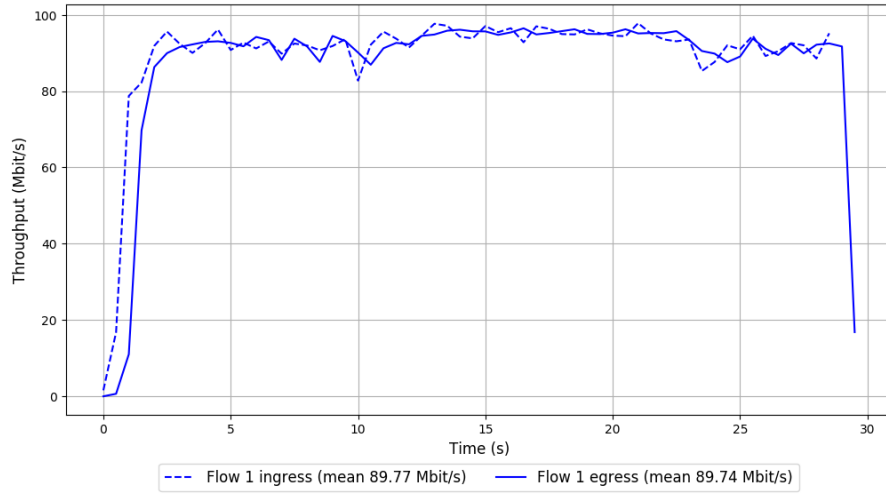
-- Flow 1:

Average throughput: 89.74 Mbit/s

95th percentile per-packet one-way delay: 94.733 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-05-29 20:28:37

End at: 2019-05-29 20:29:07

Local clock offset: -6.151 ms

Remote clock offset: 6.191 ms

# Below is generated by plot.py at 2019-05-29 21:41:02

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.43 Mbit/s

95th percentile per-packet one-way delay: 90.809 ms

Loss rate: 0.04%

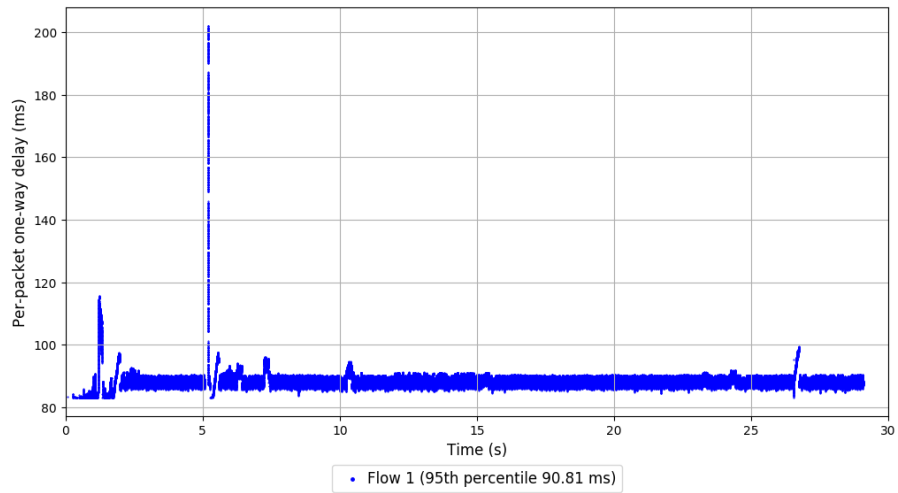
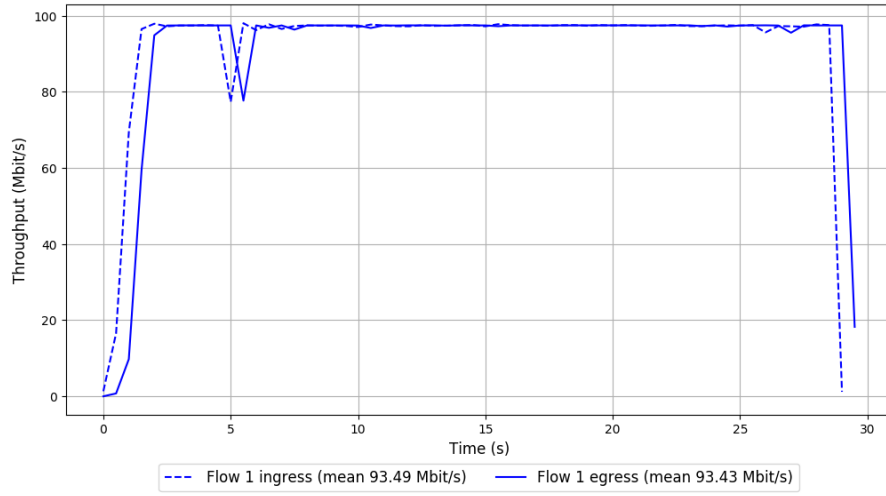
-- Flow 1:

Average throughput: 93.43 Mbit/s

95th percentile per-packet one-way delay: 90.809 ms

Loss rate: 0.04%

### Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-05-29 20:55:35

End at: 2019-05-29 20:56:05

Local clock offset: -3.65 ms

Remote clock offset: 3.262 ms

# Below is generated by plot.py at 2019-05-29 21:41:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.16 Mbit/s

95th percentile per-packet one-way delay: 94.866 ms

Loss rate: 0.01%

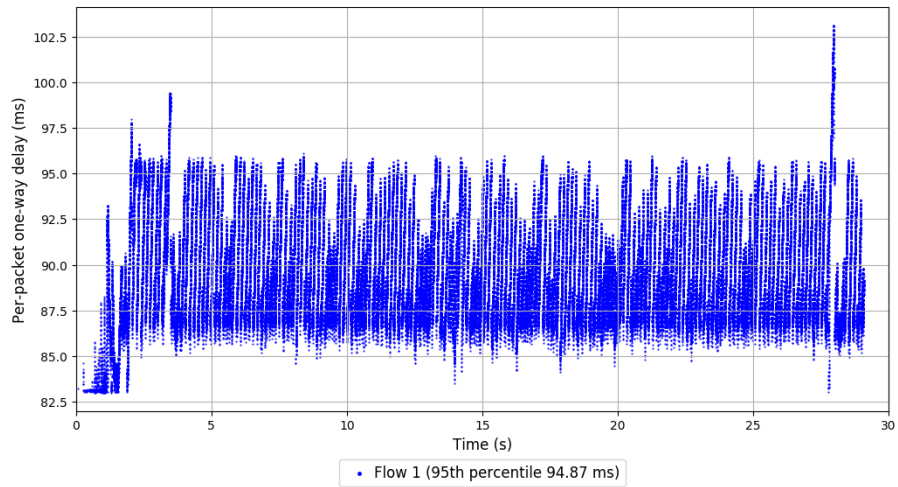
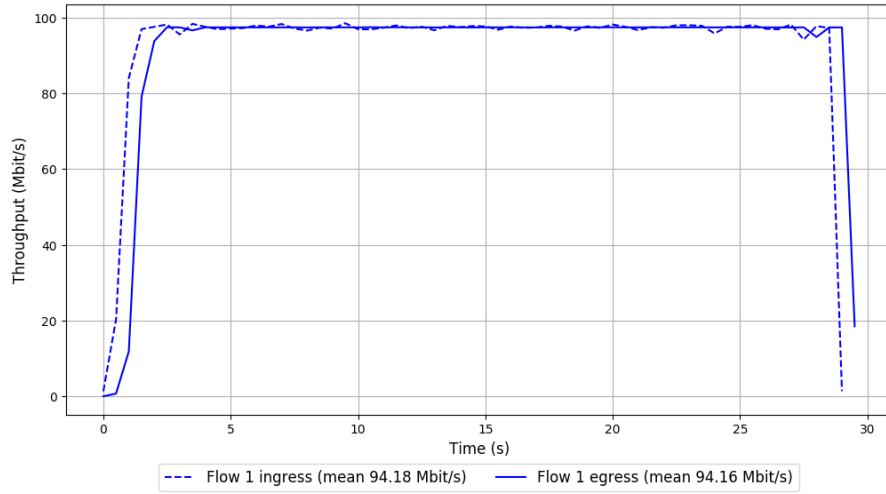
-- Flow 1:

Average throughput: 94.16 Mbit/s

95th percentile per-packet one-way delay: 94.866 ms

Loss rate: 0.01%

### Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-05-29 21:20:17

End at: 2019-05-29 21:20:47

Local clock offset: -4.627 ms

Remote clock offset: 3.901 ms

# Below is generated by plot.py at 2019-05-29 21:41:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.20 Mbit/s

95th percentile per-packet one-way delay: 92.962 ms

Loss rate: 0.18%

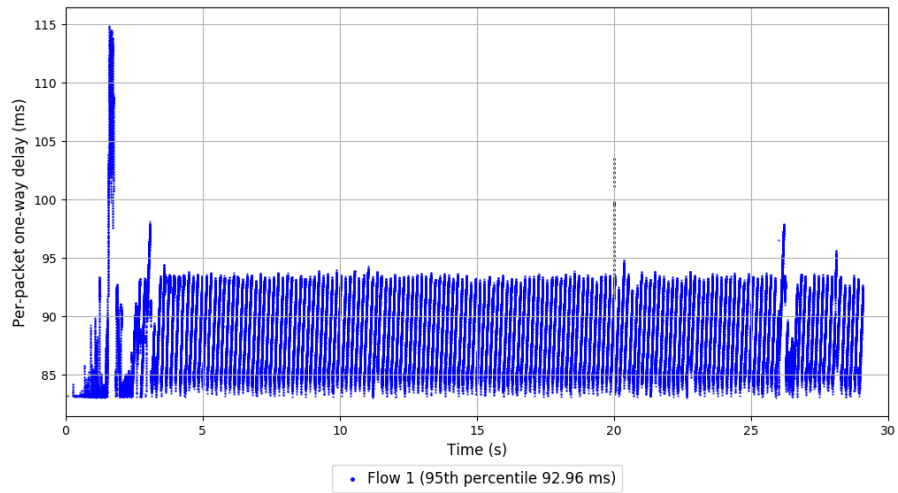
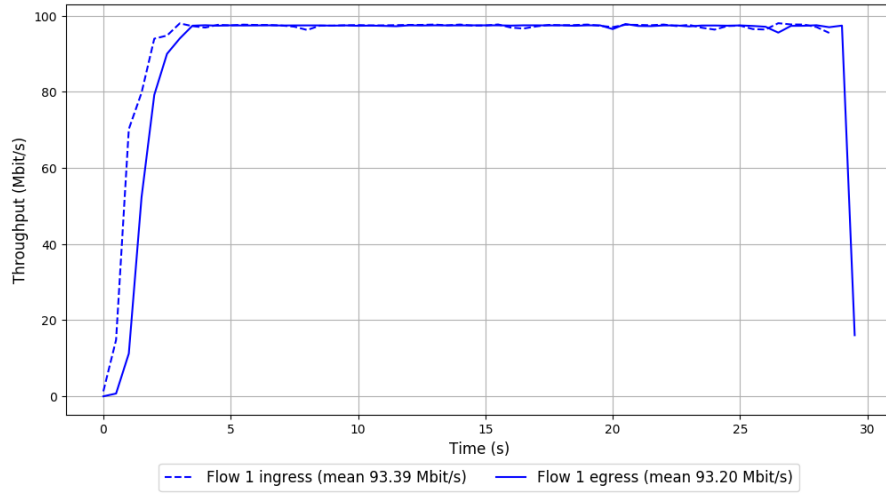
-- Flow 1:

Average throughput: 93.20 Mbit/s

95th percentile per-packet one-way delay: 92.962 ms

Loss rate: 0.18%

### Run 5: Report of Indigo-MusesC5 — Data Link





Run 1: Statistics of Indigo-MusesD

Start at: 2019-05-29 19:48:59

End at: 2019-05-29 19:49:29

Local clock offset: -6.84 ms

Remote clock offset: 10.296 ms

# Below is generated by plot.py at 2019-05-29 21:41:44

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.29 Mbit/s

95th percentile per-packet one-way delay: 91.038 ms

Loss rate: 0.42%

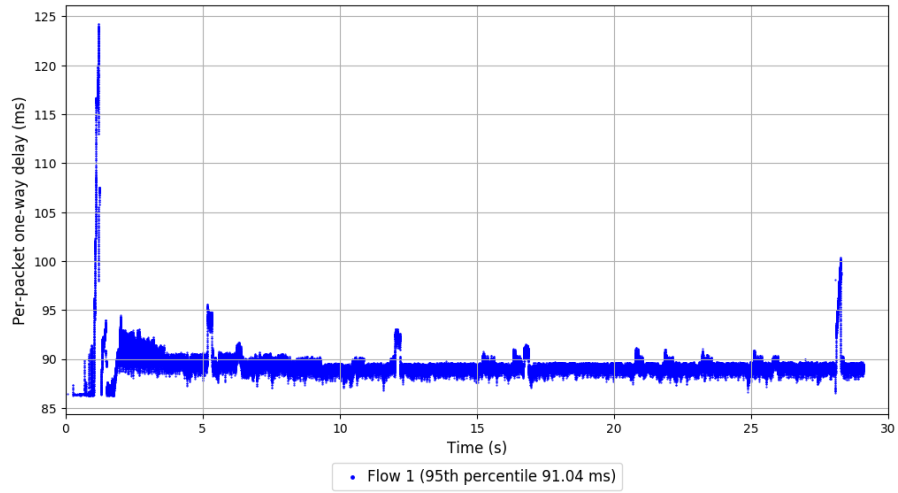
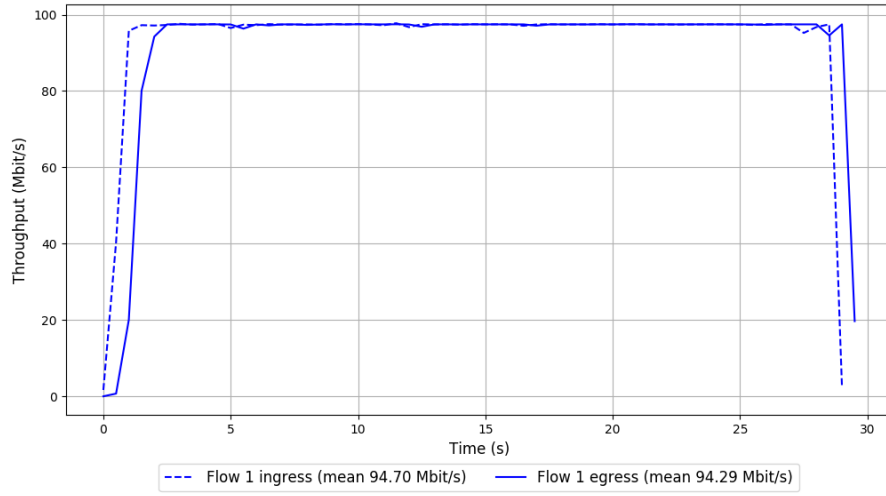
-- Flow 1:

Average throughput: 94.29 Mbit/s

95th percentile per-packet one-way delay: 91.038 ms

Loss rate: 0.42%

### Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-05-29 20:14:16

End at: 2019-05-29 20:14:46

Local clock offset: -5.271 ms

Remote clock offset: 2.83 ms

# Below is generated by plot.py at 2019-05-29 21:41:49

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.67 Mbit/s

95th percentile per-packet one-way delay: 87.322 ms

Loss rate: 0.00%

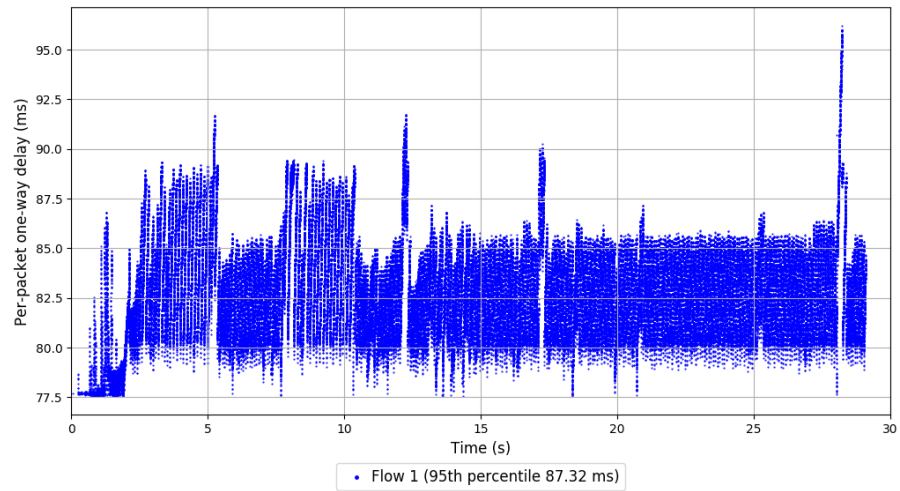
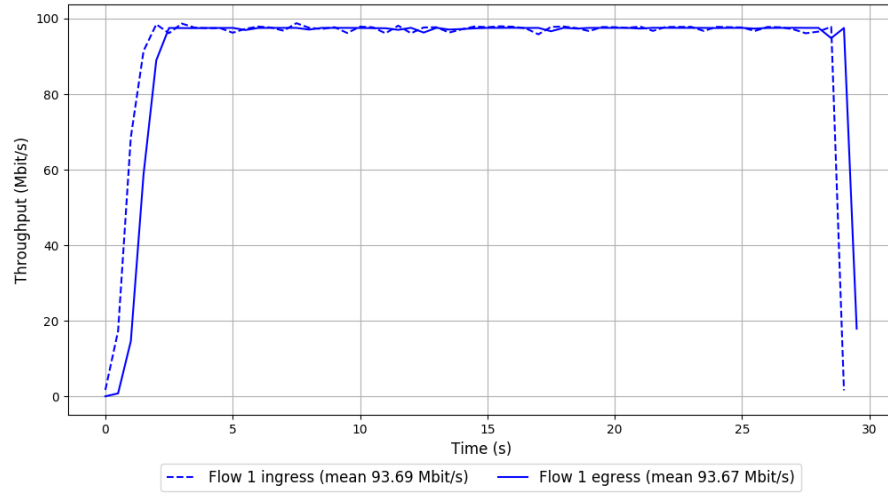
-- Flow 1:

Average throughput: 93.67 Mbit/s

95th percentile per-packet one-way delay: 87.322 ms

Loss rate: 0.00%

## Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-05-29 20:39:17

End at: 2019-05-29 20:39:47

Local clock offset: -6.064 ms

Remote clock offset: -0.53 ms

# Below is generated by plot.py at 2019-05-29 21:41:54

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.07 Mbit/s

95th percentile per-packet one-way delay: 85.932 ms

Loss rate: 0.22%

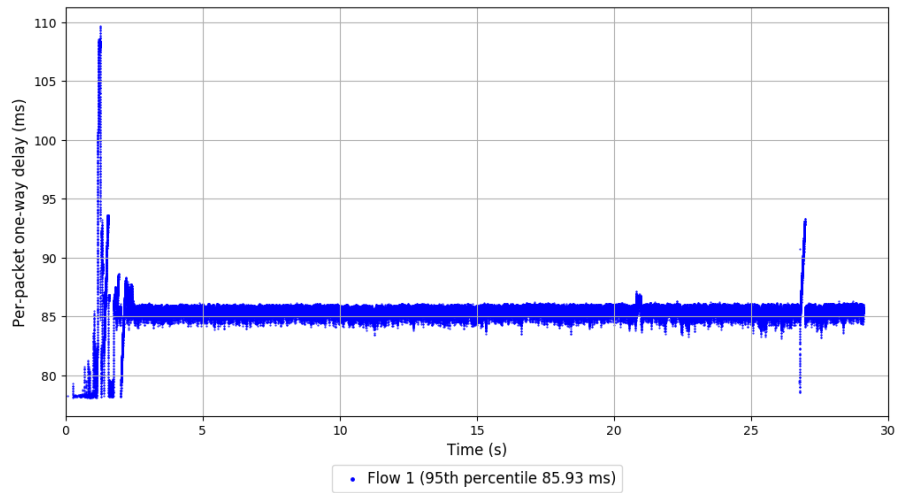
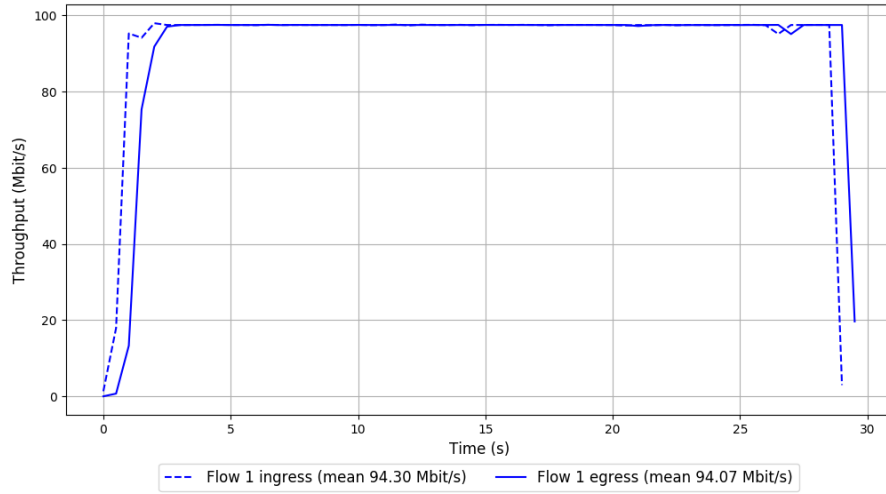
-- Flow 1:

Average throughput: 94.07 Mbit/s

95th percentile per-packet one-way delay: 85.932 ms

Loss rate: 0.22%

### Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-05-29 21:06:10

End at: 2019-05-29 21:06:40

Local clock offset: -4.284 ms

Remote clock offset: 3.713 ms

# Below is generated by plot.py at 2019-05-29 21:41:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.79 Mbit/s

95th percentile per-packet one-way delay: 87.365 ms

Loss rate: 0.00%

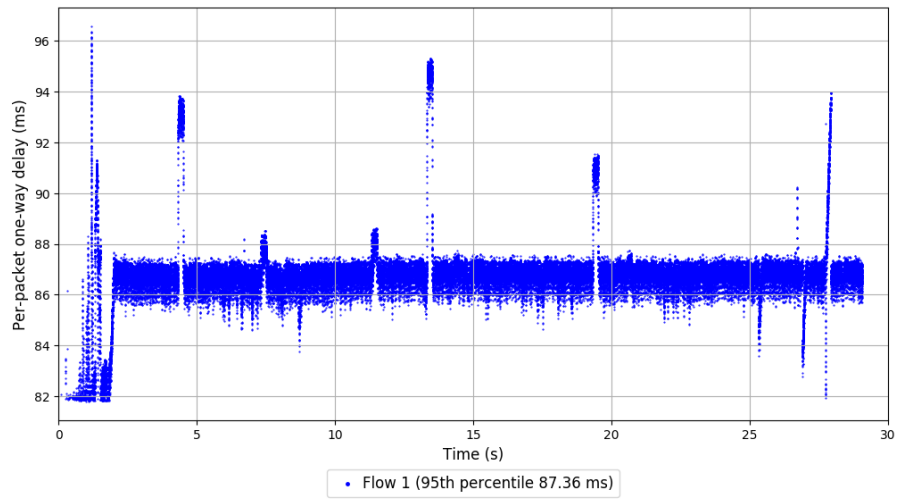
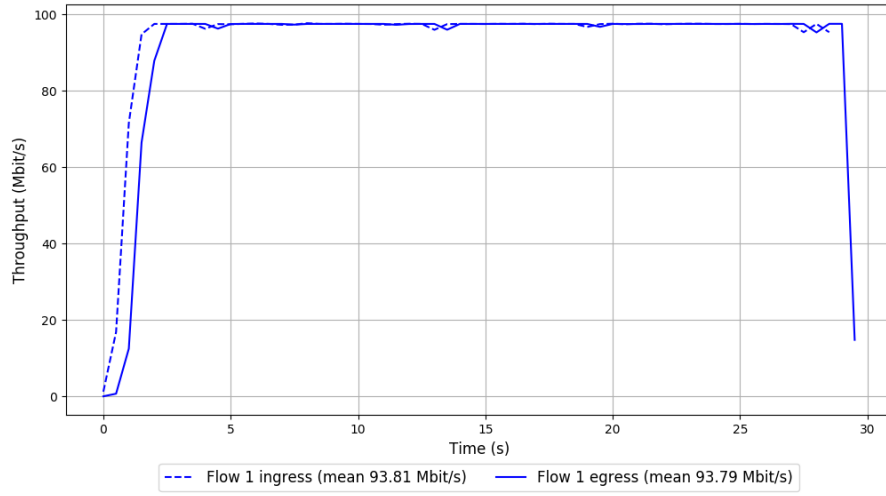
-- Flow 1:

Average throughput: 93.79 Mbit/s

95th percentile per-packet one-way delay: 87.365 ms

Loss rate: 0.00%

### Run 4: Report of Indigo-MusesD — Data Link





Run 5: Statistics of Indigo-MusesD

Start at: 2019-05-29 21:30:55

End at: 2019-05-29 21:31:25

Local clock offset: -5.781 ms

Remote clock offset: 0.284 ms

# Below is generated by plot.py at 2019-05-29 21:41:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.08 Mbit/s

95th percentile per-packet one-way delay: 87.028 ms

Loss rate: 0.00%

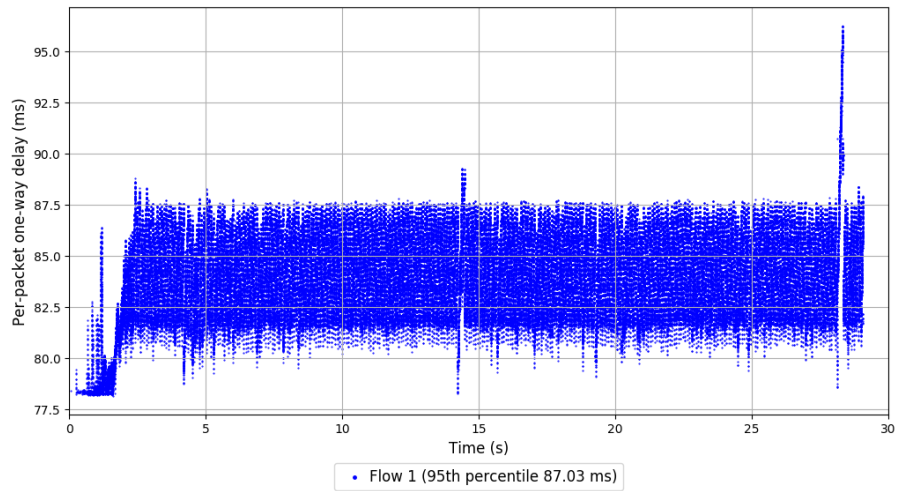
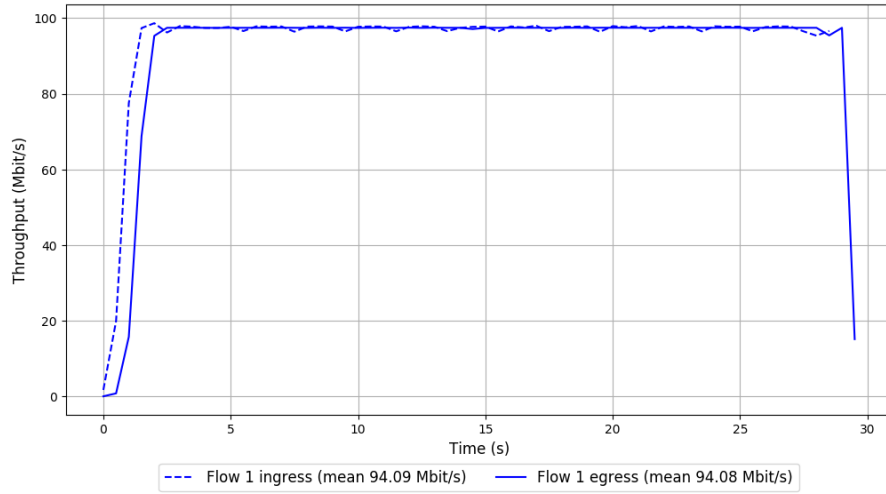
-- Flow 1:

Average throughput: 94.08 Mbit/s

95th percentile per-packet one-way delay: 87.028 ms

Loss rate: 0.00%

### Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-05-29 19:34:51

End at: 2019-05-29 19:35:21

Local clock offset: -9.396 ms

Remote clock offset: 1.762 ms

# Below is generated by plot.py at 2019-05-29 21:42:02

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.40 Mbit/s

95th percentile per-packet one-way delay: 91.559 ms

Loss rate: 1.32%

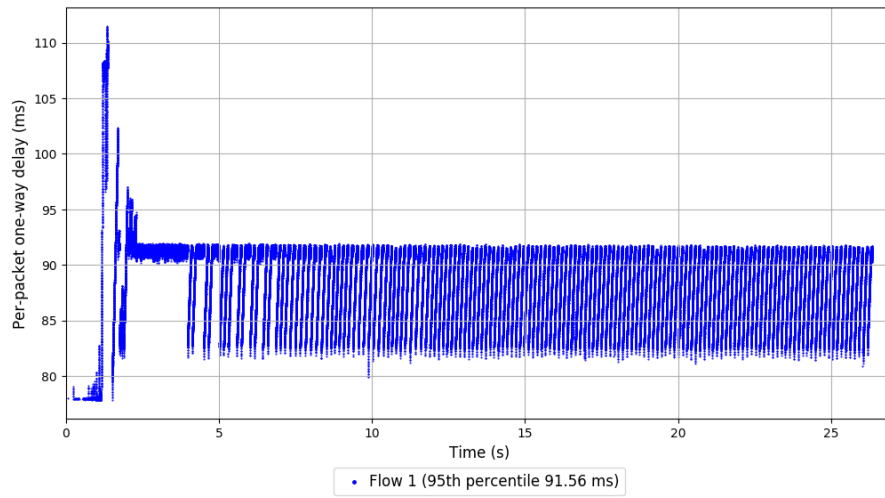
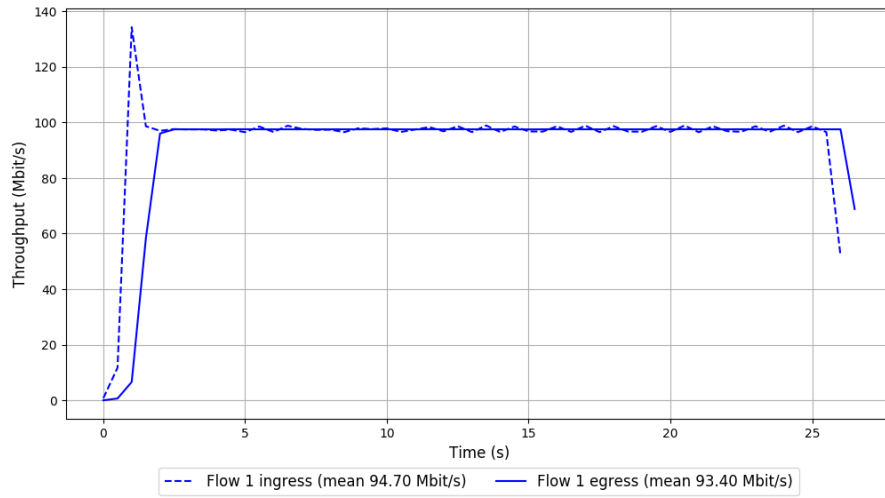
-- Flow 1:

Average throughput: 93.40 Mbit/s

95th percentile per-packet one-way delay: 91.559 ms

Loss rate: 1.32%

### Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MuseST

Start at: 2019-05-29 19:59:48

End at: 2019-05-29 20:00:18

Local clock offset: -6.291 ms

Remote clock offset: 8.7 ms

# Below is generated by plot.py at 2019-05-29 21:42:18

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.93 Mbit/s

95th percentile per-packet one-way delay: 98.139 ms

Loss rate: 0.74%

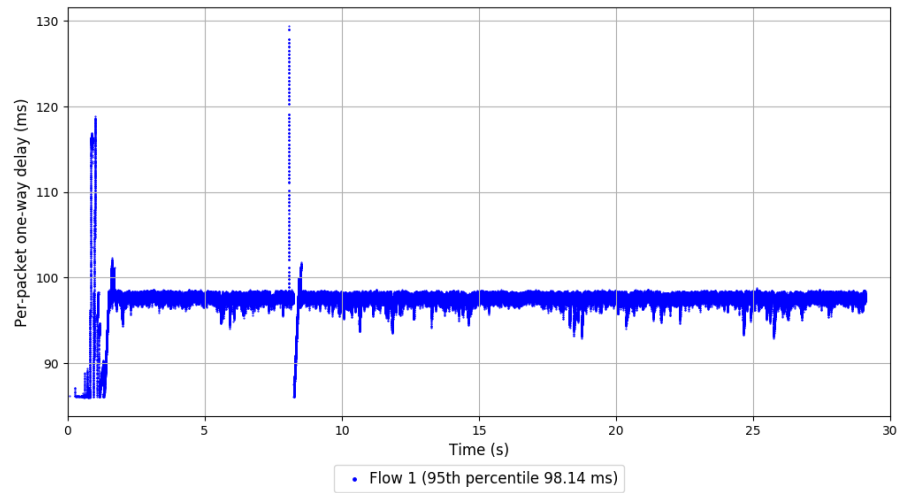
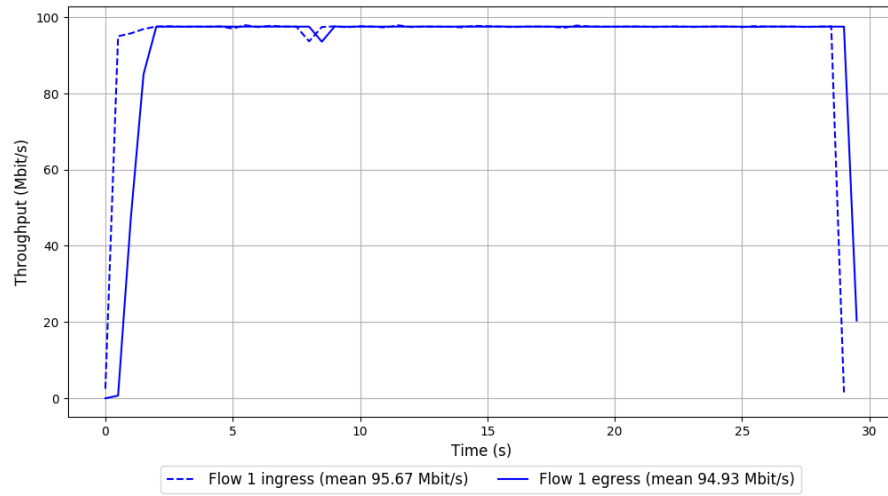
-- Flow 1:

Average throughput: 94.93 Mbit/s

95th percentile per-packet one-way delay: 98.139 ms

Loss rate: 0.74%

## Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MuseST

Start at: 2019-05-29 20:24:45

End at: 2019-05-29 20:25:15

Local clock offset: -5.33 ms

Remote clock offset: 6.094 ms

# Below is generated by plot.py at 2019-05-29 21:42:43

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.19 Mbit/s

95th percentile per-packet one-way delay: 95.775 ms

Loss rate: 1.33%

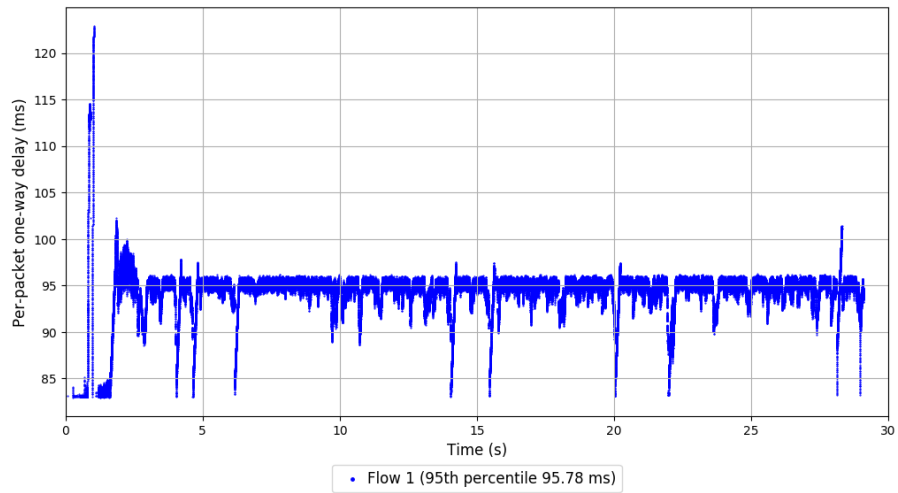
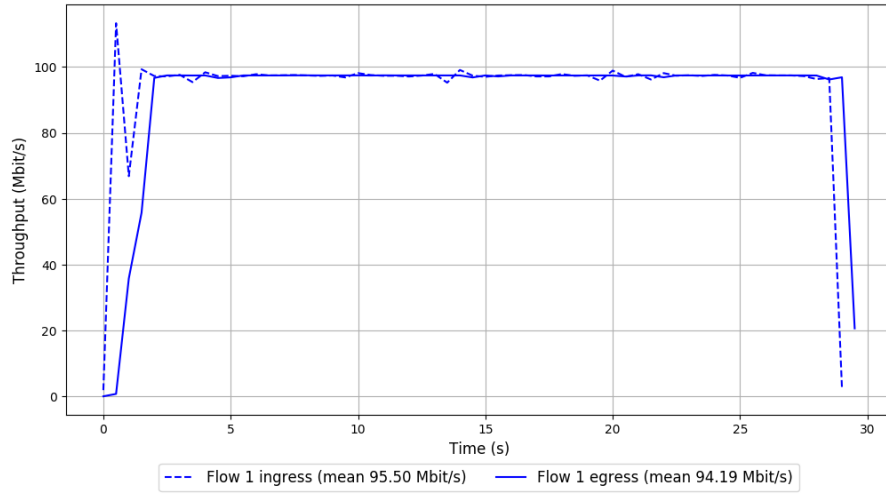
-- Flow 1:

Average throughput: 94.19 Mbit/s

95th percentile per-packet one-way delay: 95.775 ms

Loss rate: 1.33%

### Run 3: Report of Indigo-MusesT — Data Link





Run 4: Statistics of Indigo-MuseST

Start at: 2019-05-29 20:51:51

End at: 2019-05-29 20:52:21

Local clock offset: -4.561 ms

Remote clock offset: 0.329 ms

# Below is generated by plot.py at 2019-05-29 21:42:49

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.77 Mbit/s

95th percentile per-packet one-way delay: 93.017 ms

Loss rate: 1.72%

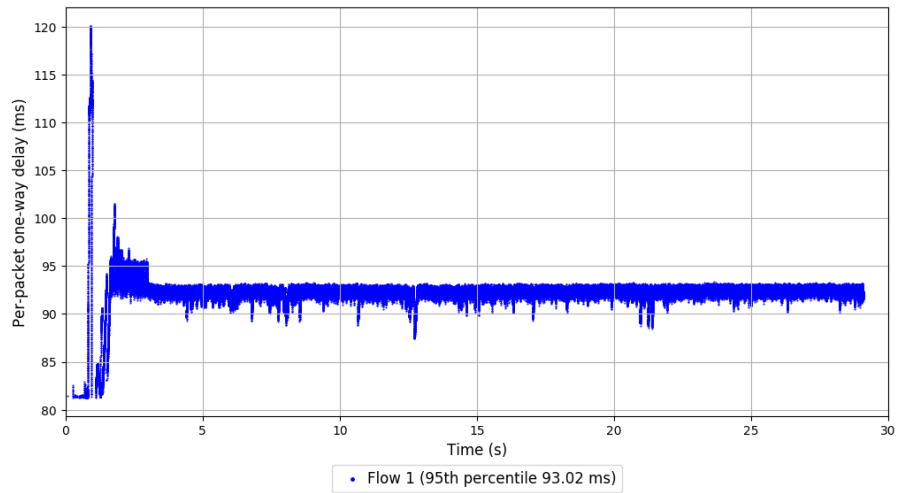
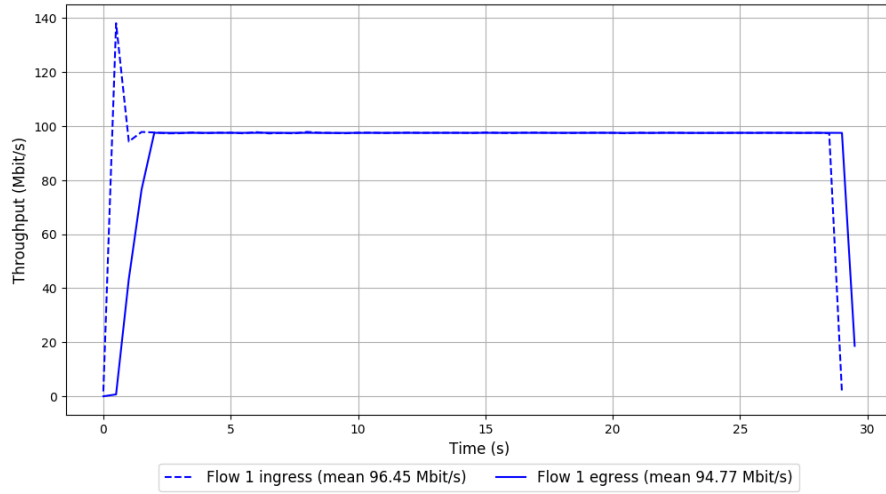
-- Flow 1:

Average throughput: 94.77 Mbit/s

95th percentile per-packet one-way delay: 93.017 ms

Loss rate: 1.72%

### Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MuseST

Start at: 2019-05-29 21:16:41

End at: 2019-05-29 21:17:11

Local clock offset: -4.627 ms

Remote clock offset: 5.191 ms

# Below is generated by plot.py at 2019-05-29 21:42:55

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.63 Mbit/s

95th percentile per-packet one-way delay: 99.479 ms

Loss rate: 2.44%

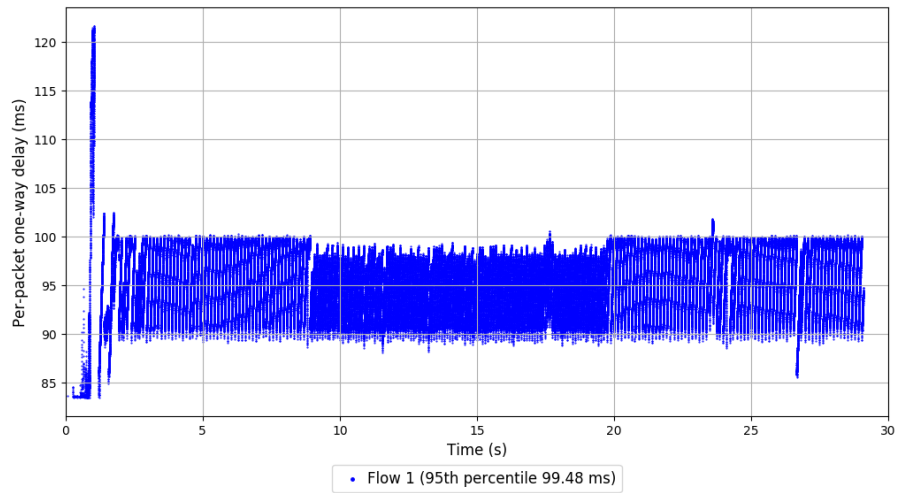
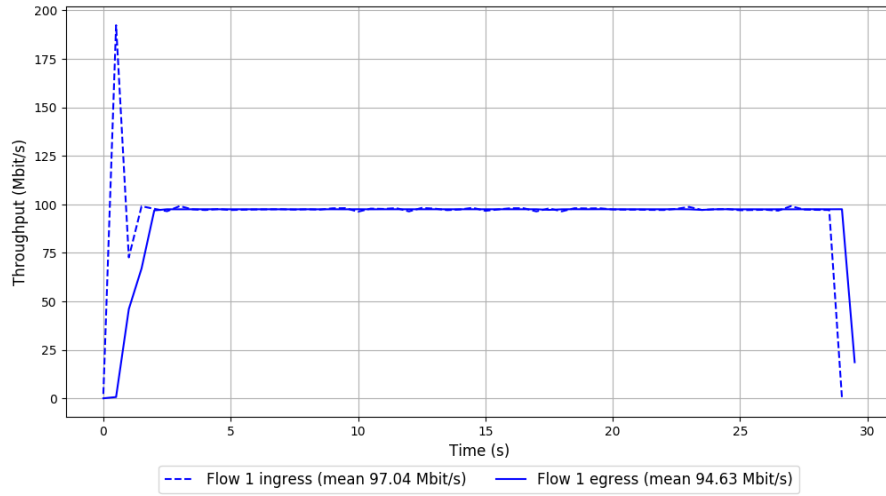
-- Flow 1:

Average throughput: 94.63 Mbit/s

95th percentile per-packet one-way delay: 99.479 ms

Loss rate: 2.44%

### Run 5: Report of Indigo-MusesT — Data Link



Run 1: Statistics of LEDBAT

Start at: 2019-05-29 19:44:19

End at: 2019-05-29 19:44:49

Local clock offset: -7.619 ms

Remote clock offset: 9.467 ms

# Below is generated by plot.py at 2019-05-29 21:42:55

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.94 Mbit/s

95th percentile per-packet one-way delay: 85.410 ms

Loss rate: 0.00%

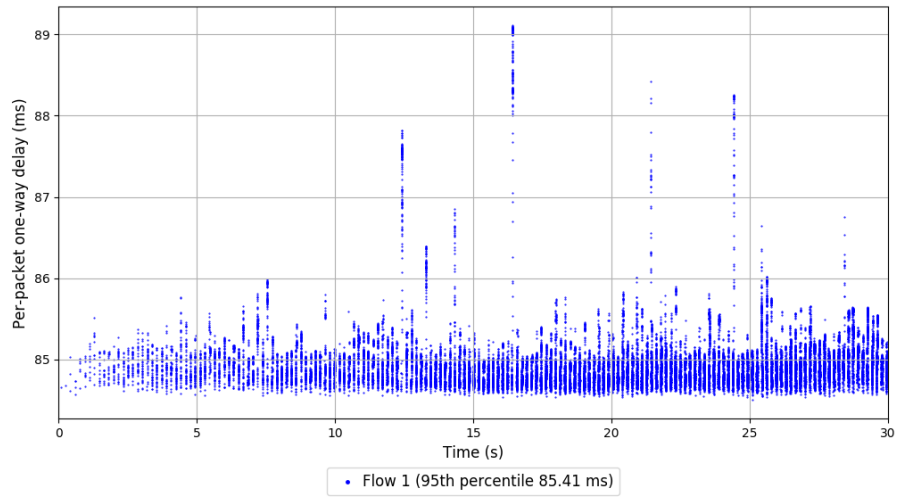
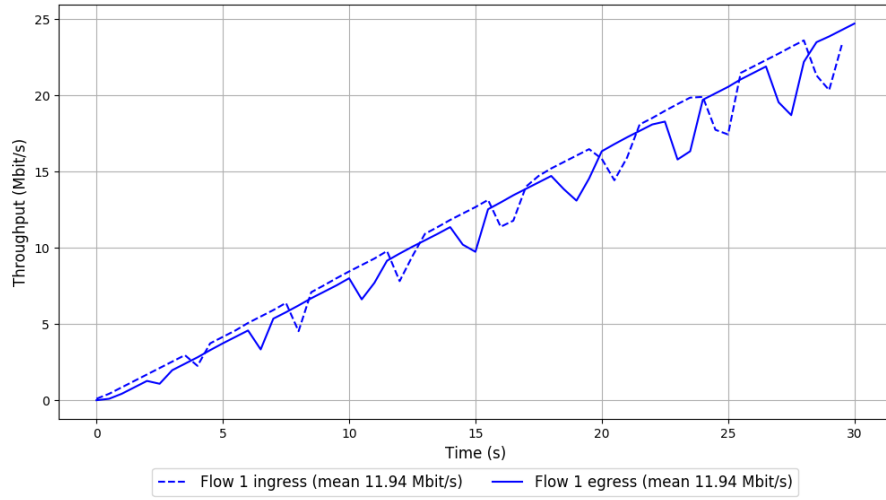
-- Flow 1:

Average throughput: 11.94 Mbit/s

95th percentile per-packet one-way delay: 85.410 ms

Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-05-29 20:09:33

End at: 2019-05-29 20:10:03

Local clock offset: -6.312 ms

Remote clock offset: 8.848 ms

# Below is generated by plot.py at 2019-05-29 21:42:55

# Datalink statistics

-- Total of 1 flow:

Average throughput: 12.08 Mbit/s

95th percentile per-packet one-way delay: 85.954 ms

Loss rate: 0.00%

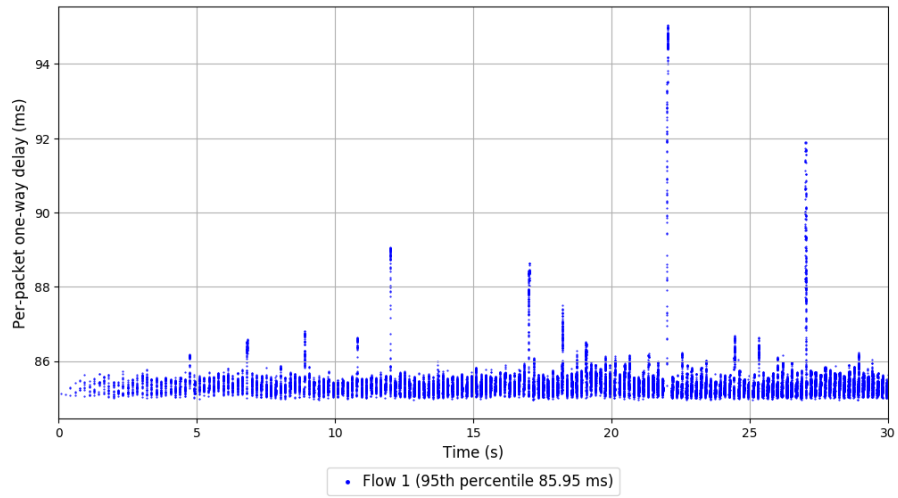
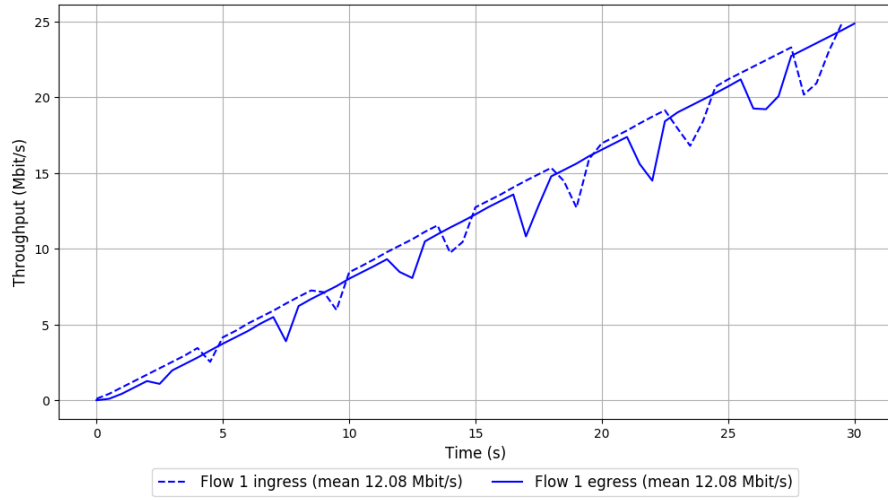
-- Flow 1:

Average throughput: 12.08 Mbit/s

95th percentile per-packet one-way delay: 85.954 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



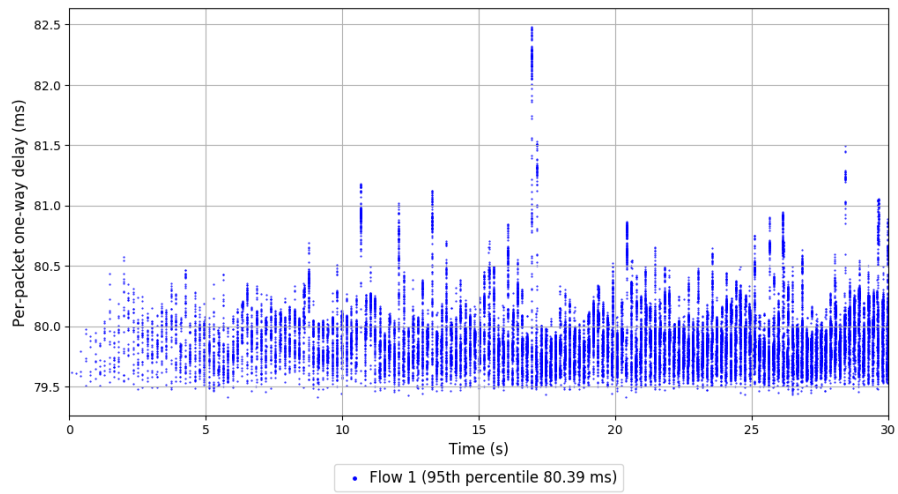
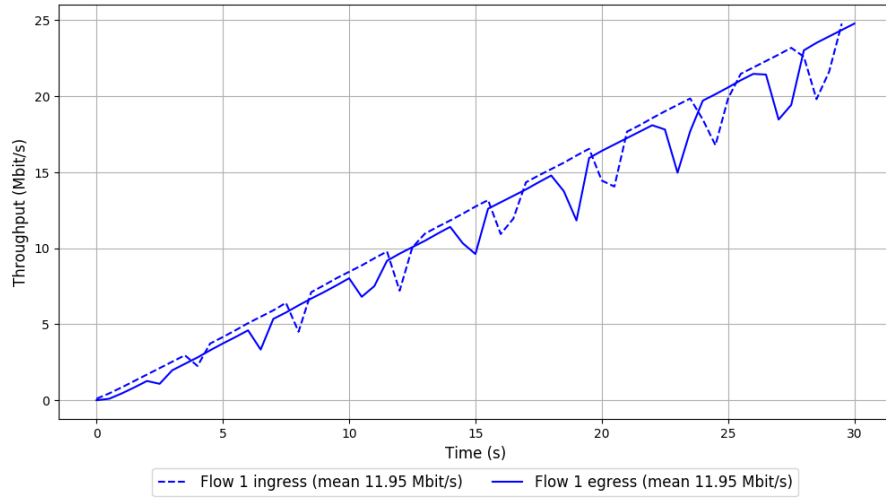


Run 3: Statistics of LEDBAT

Start at: 2019-05-29 20:34:31  
End at: 2019-05-29 20:35:01  
Local clock offset: -6.316 ms  
Remote clock offset: -0.157 ms

# Below is generated by plot.py at 2019-05-29 21:42:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.95 Mbit/s  
95th percentile per-packet one-way delay: 80.390 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 11.95 Mbit/s  
95th percentile per-packet one-way delay: 80.390 ms  
Loss rate: 0.00%

### Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-05-29 21:01:28

End at: 2019-05-29 21:01:58

Local clock offset: -3.544 ms

Remote clock offset: 0.768 ms

# Below is generated by plot.py at 2019-05-29 21:42:55

# Datalink statistics

-- Total of 1 flow:

Average throughput: 10.16 Mbit/s

95th percentile per-packet one-way delay: 80.111 ms

Loss rate: 0.02%

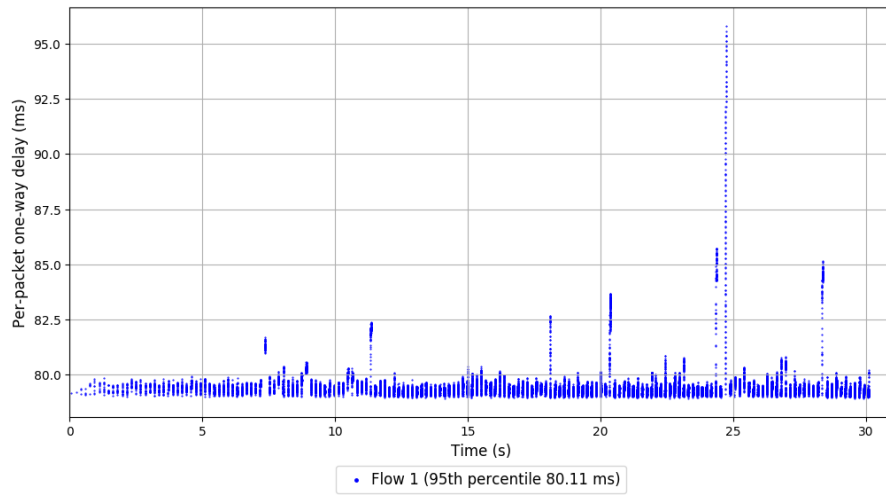
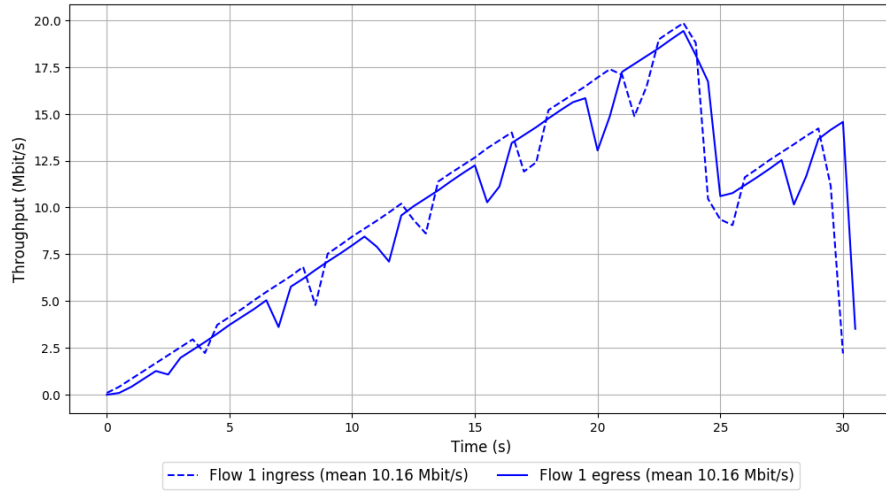
-- Flow 1:

Average throughput: 10.16 Mbit/s

95th percentile per-packet one-way delay: 80.111 ms

Loss rate: 0.02%

### Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-05-29 21:26:10

End at: 2019-05-29 21:26:40

Local clock offset: -5.64 ms

Remote clock offset: -0.0 ms

# Below is generated by plot.py at 2019-05-29 21:42:55

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.92 Mbit/s

95th percentile per-packet one-way delay: 80.483 ms

Loss rate: 0.00%

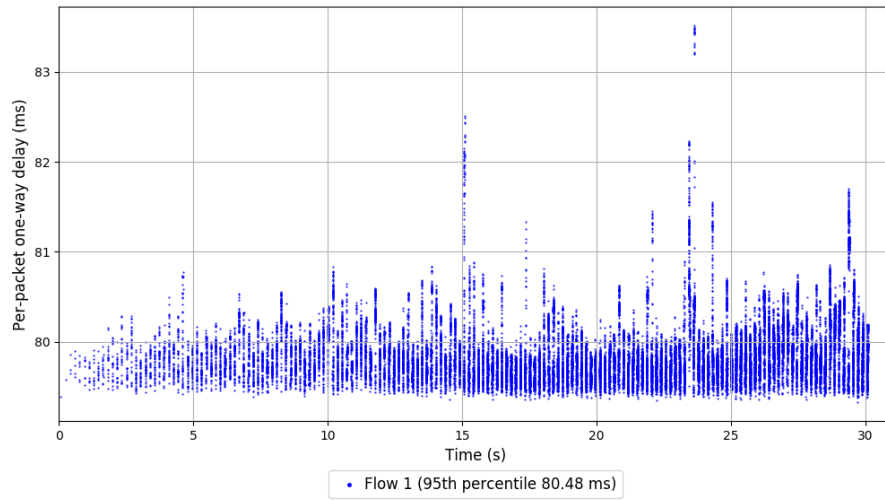
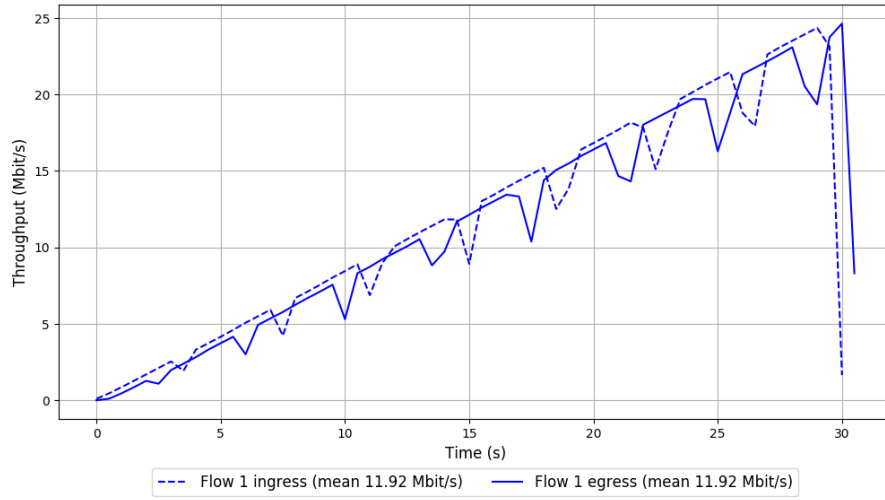
-- Flow 1:

Average throughput: 11.92 Mbit/s

95th percentile per-packet one-way delay: 80.483 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-05-29 19:50:11

End at: 2019-05-29 19:50:41

Local clock offset: -5.746 ms

Remote clock offset: 8.785 ms

# Below is generated by plot.py at 2019-05-29 21:42:55

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.61 Mbit/s

95th percentile per-packet one-way delay: 84.892 ms

Loss rate: 0.01%

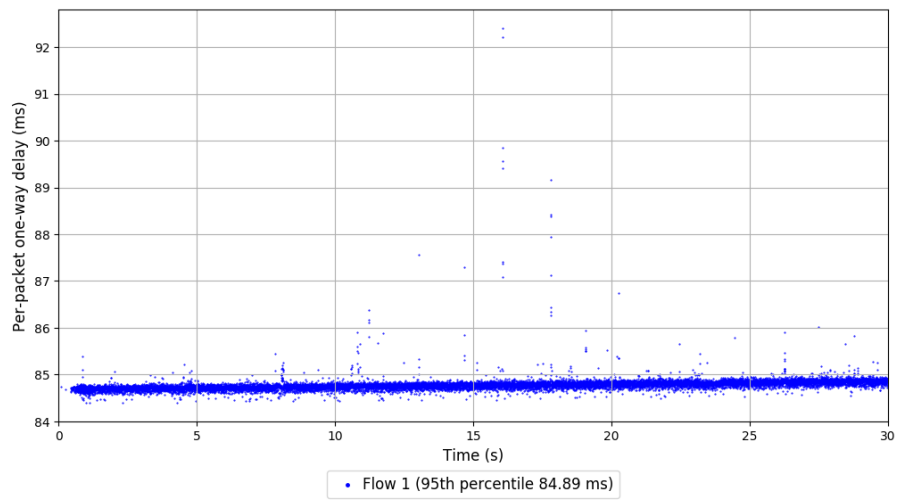
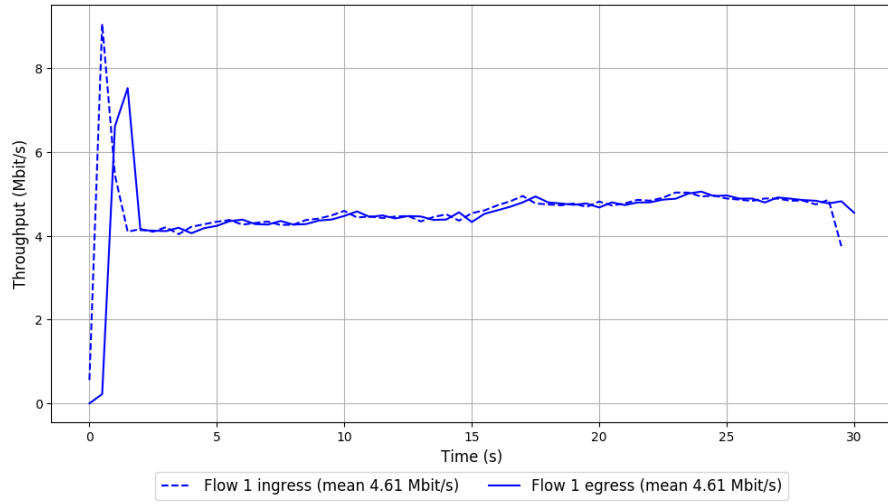
-- Flow 1:

Average throughput: 4.61 Mbit/s

95th percentile per-packet one-way delay: 84.892 ms

Loss rate: 0.01%

Run 1: Report of PCC-Allegro — Data Link





Run 2: Statistics of PCC-Allegro

Start at: 2019-05-29 20:15:28

End at: 2019-05-29 20:15:58

Local clock offset: -5.247 ms

Remote clock offset: 4.092 ms

# Below is generated by plot.py at 2019-05-29 21:43:13

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.69 Mbit/s

95th percentile per-packet one-way delay: 90.645 ms

Loss rate: 1.52%

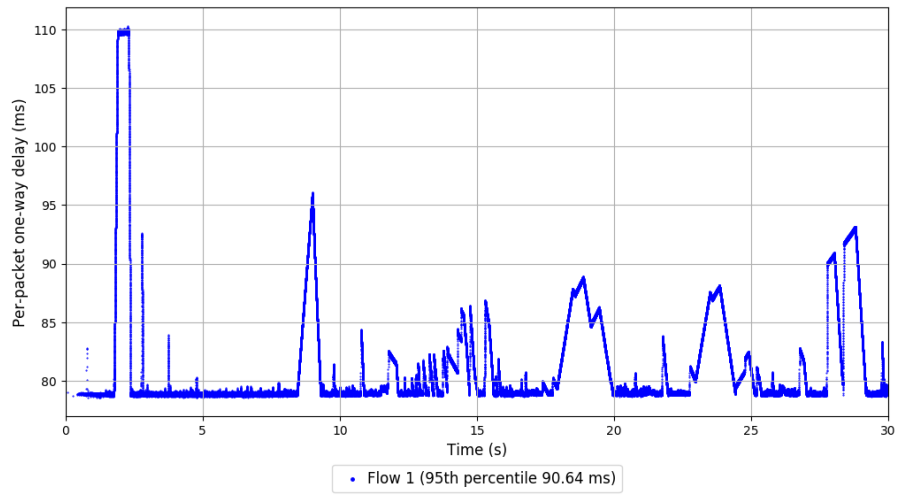
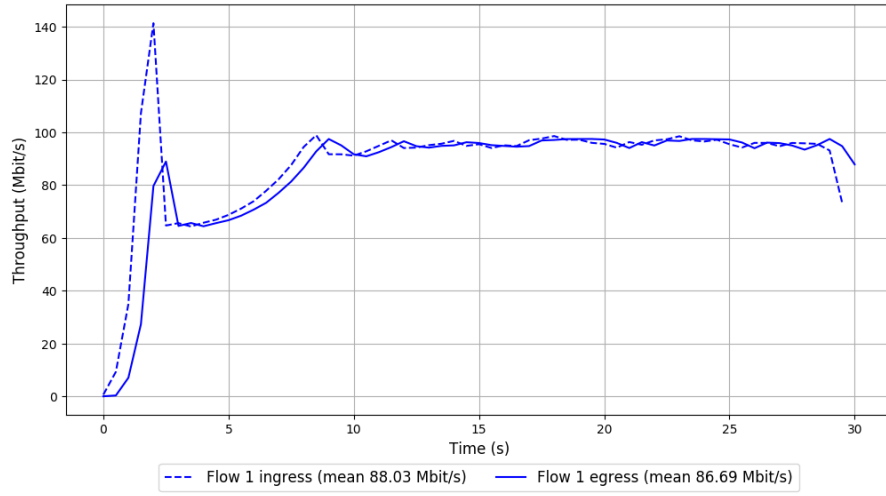
-- Flow 1:

Average throughput: 86.69 Mbit/s

95th percentile per-packet one-way delay: 90.645 ms

Loss rate: 1.52%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-05-29 20:40:32

End at: 2019-05-29 20:41:02

Local clock offset: -5.189 ms

Remote clock offset: 3.56 ms

# Below is generated by plot.py at 2019-05-29 21:43:16

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.81 Mbit/s

95th percentile per-packet one-way delay: 91.908 ms

Loss rate: 1.49%

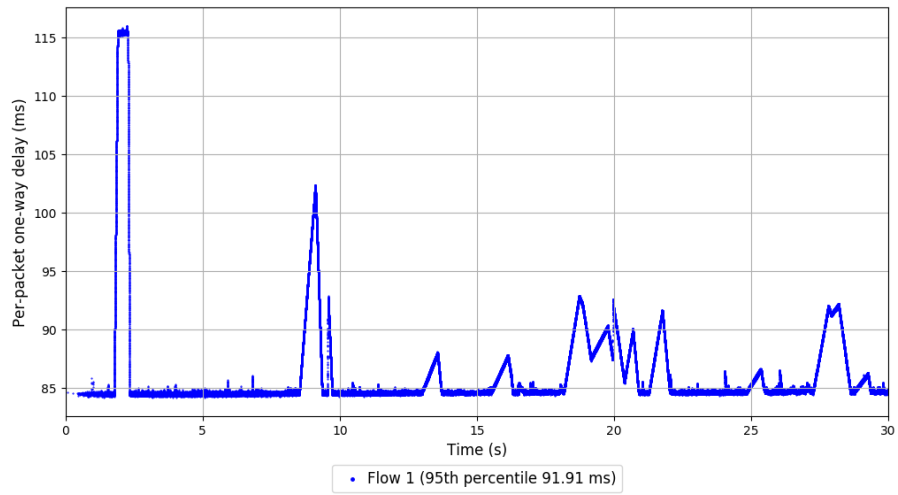
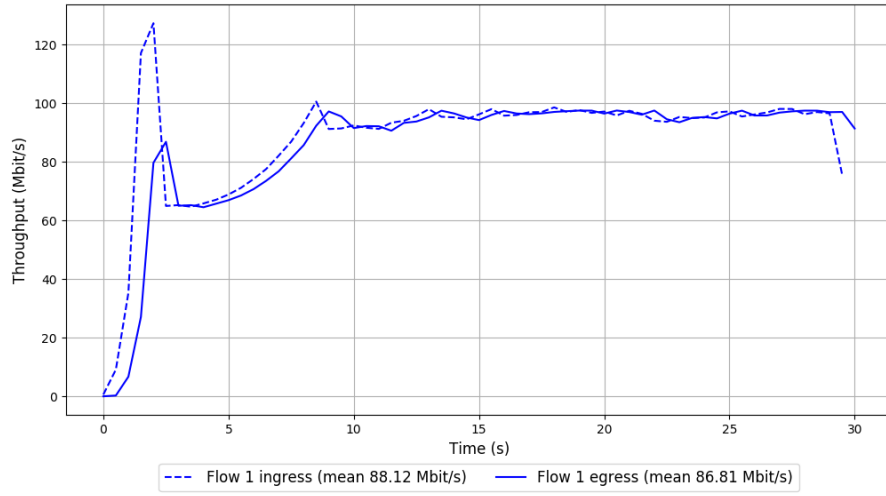
-- Flow 1:

Average throughput: 86.81 Mbit/s

95th percentile per-packet one-way delay: 91.908 ms

Loss rate: 1.49%

### Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-05-29 21:07:22

End at: 2019-05-29 21:07:52

Local clock offset: -3.72 ms

Remote clock offset: 0.787 ms

# Below is generated by plot.py at 2019-05-29 21:43:20

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.67 Mbit/s

95th percentile per-packet one-way delay: 95.817 ms

Loss rate: 1.52%

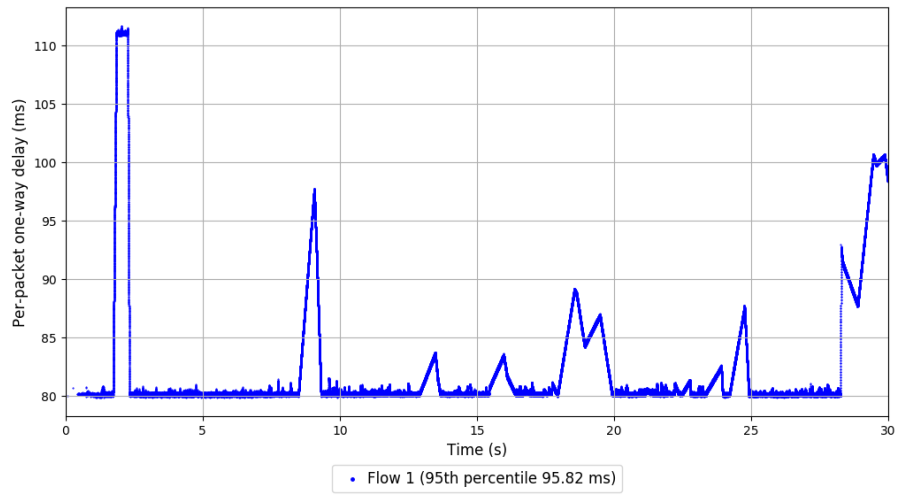
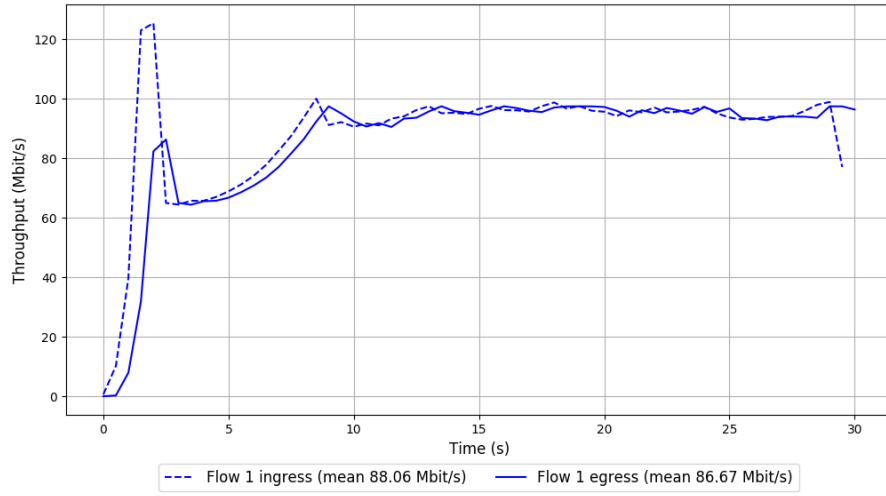
-- Flow 1:

Average throughput: 86.67 Mbit/s

95th percentile per-packet one-way delay: 95.817 ms

Loss rate: 1.52%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-05-29 21:32:07

End at: 2019-05-29 21:32:37

Local clock offset: -5.83 ms

Remote clock offset: 5.15 ms

# Below is generated by plot.py at 2019-05-29 21:43:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.32 Mbit/s

95th percentile per-packet one-way delay: 100.414 ms

Loss rate: 1.47%

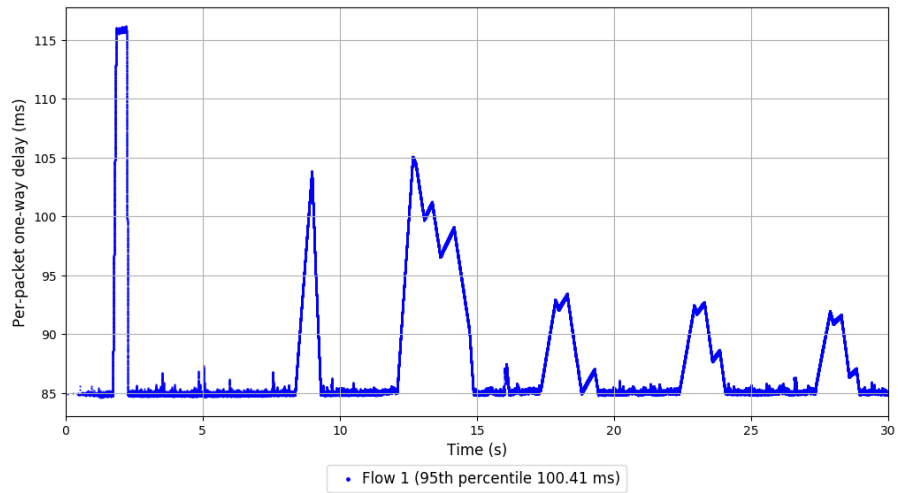
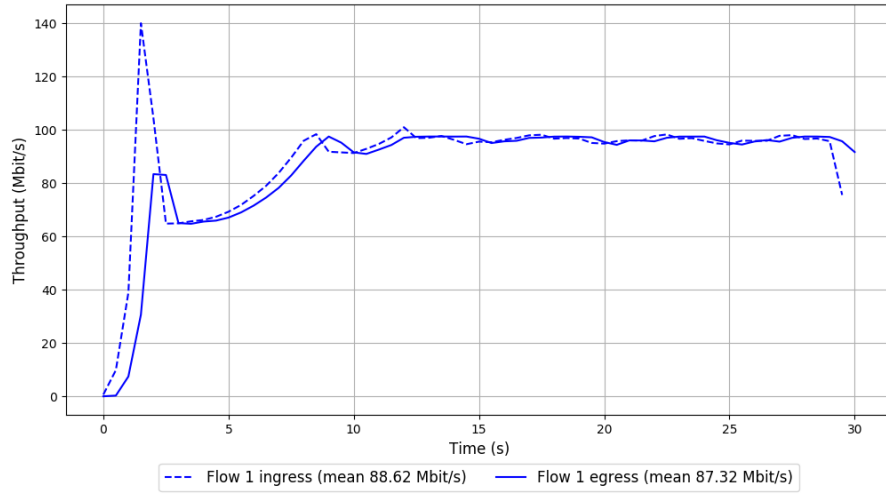
-- Flow 1:

Average throughput: 87.32 Mbit/s

95th percentile per-packet one-way delay: 100.414 ms

Loss rate: 1.47%

### Run 5: Report of PCC-Allegro — Data Link





Run 1: Statistics of PCC-Expr

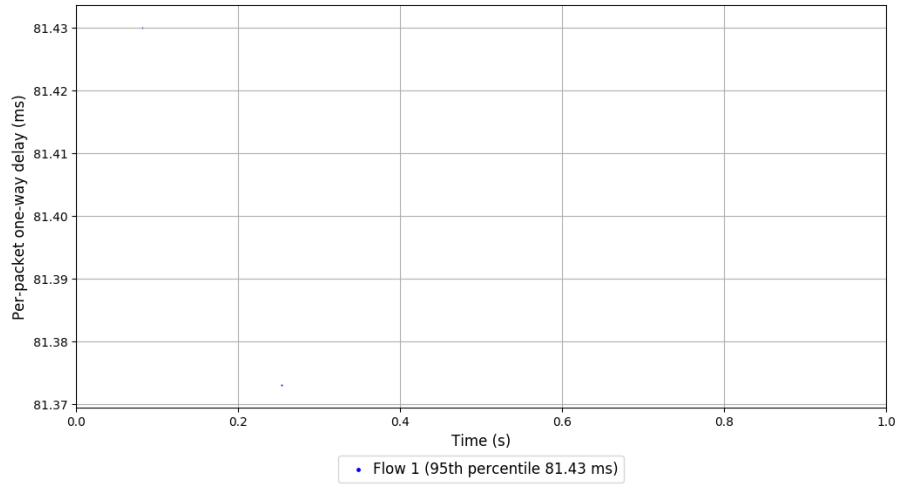
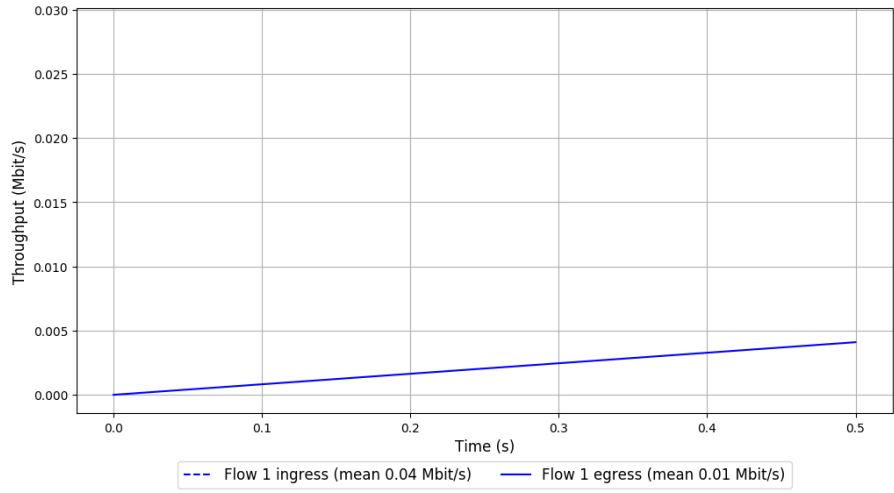
Start at: 2019-05-29 19:33:44

End at: 2019-05-29 19:34:14

Local clock offset: -8.519 ms

Remote clock offset: 5.615 ms

### Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

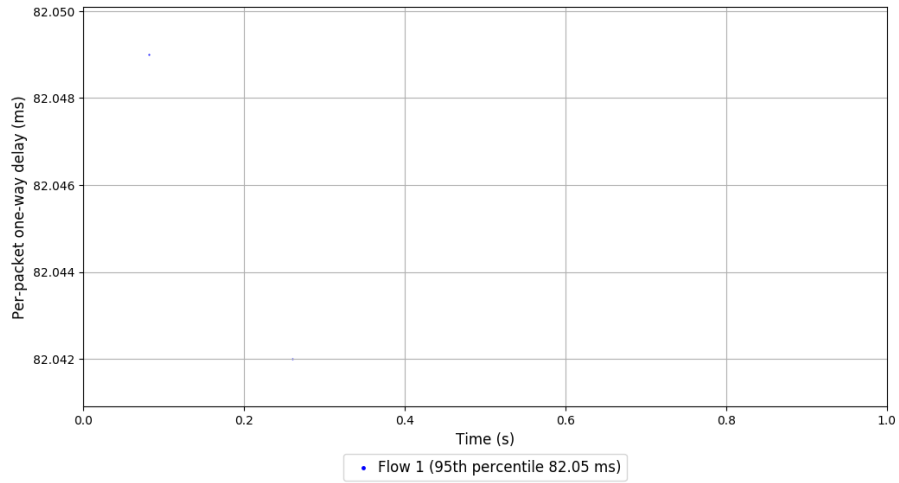
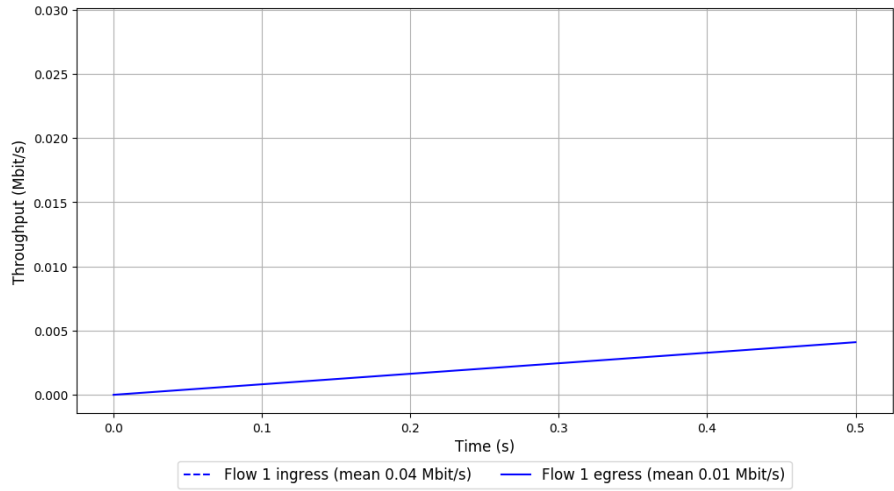
Start at: 2019-05-29 19:58:41

End at: 2019-05-29 19:59:11

Local clock offset: -5.48 ms

Remote clock offset: 7.257 ms

## Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

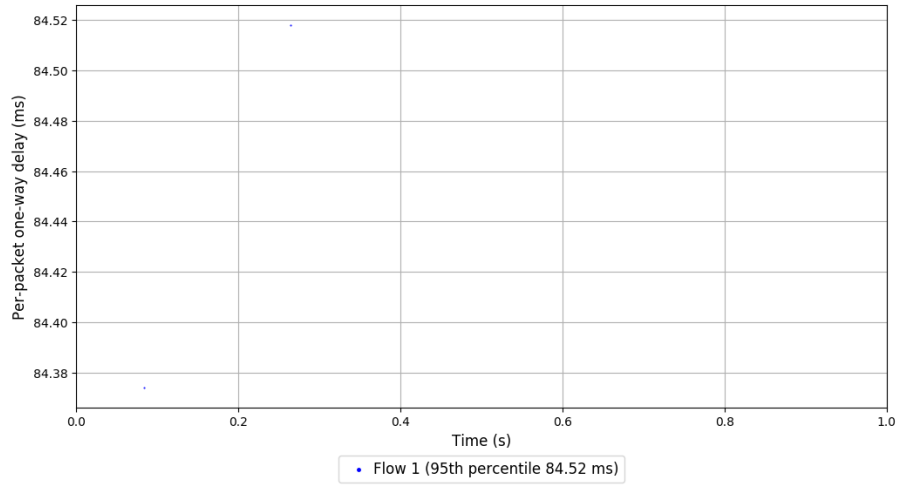
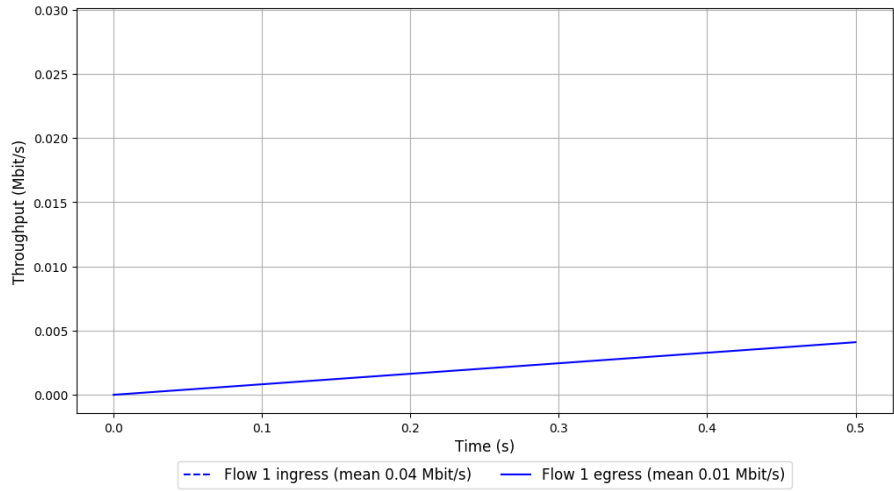
Start at: 2019-05-29 20:23:38

End at: 2019-05-29 20:24:08

Local clock offset: -5.456 ms

Remote clock offset: 7.831 ms

### Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

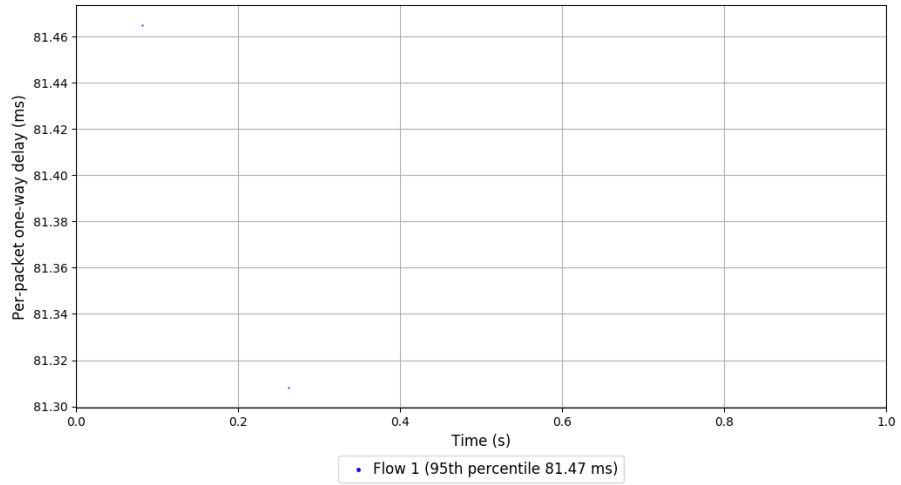
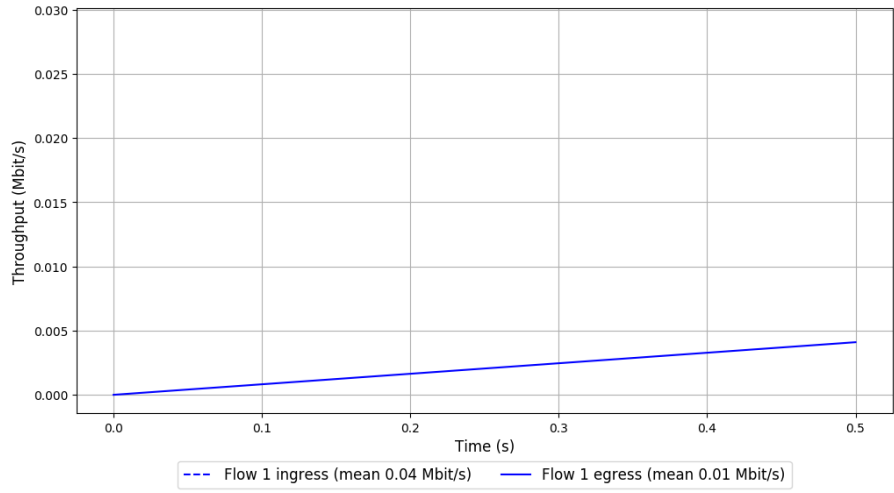
Start at: 2019-05-29 20:50:44

End at: 2019-05-29 20:51:14

Local clock offset: -3.849 ms

Remote clock offset: 0.375 ms

### Run 4: Report of PCC-Expr — Data Link





Run 5: Statistics of PCC-Expr

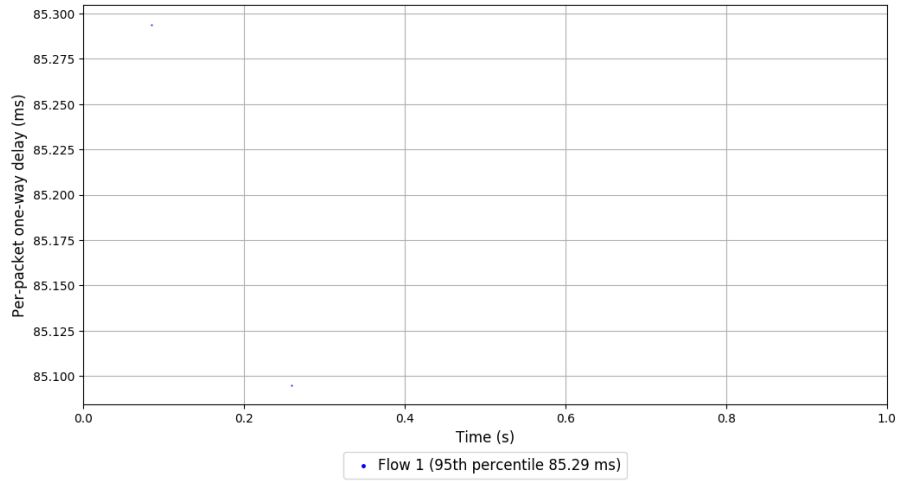
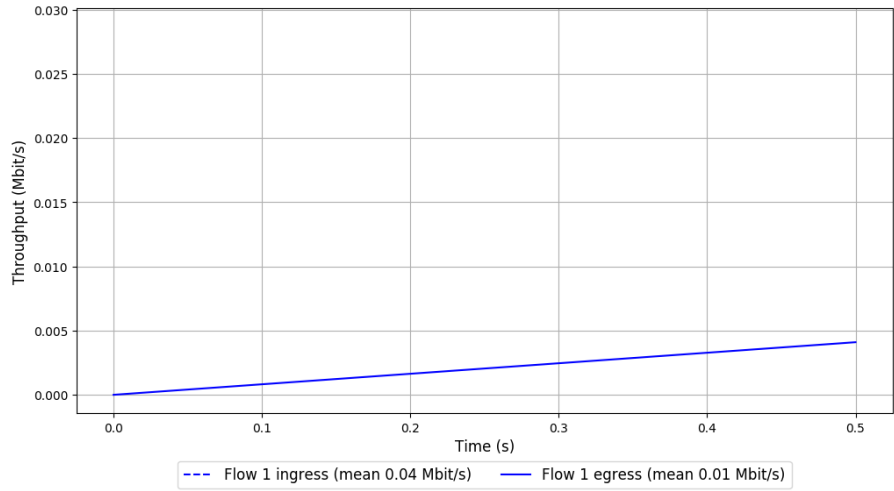
Start at: 2019-05-29 21:15:34

End at: 2019-05-29 21:16:04

Local clock offset: -4.567 ms

Remote clock offset: 4.918 ms

### Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-05-29 19:47:48

End at: 2019-05-29 19:48:18

Local clock offset: -7.053 ms

Remote clock offset: 10.745 ms

# Below is generated by plot.py at 2019-05-29 21:43:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 58.57 Mbit/s

95th percentile per-packet one-way delay: 103.936 ms

Loss rate: 0.43%

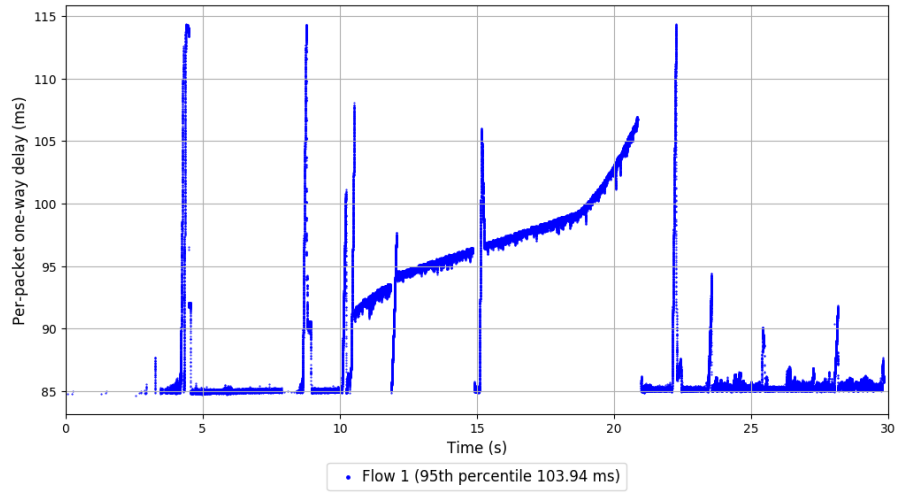
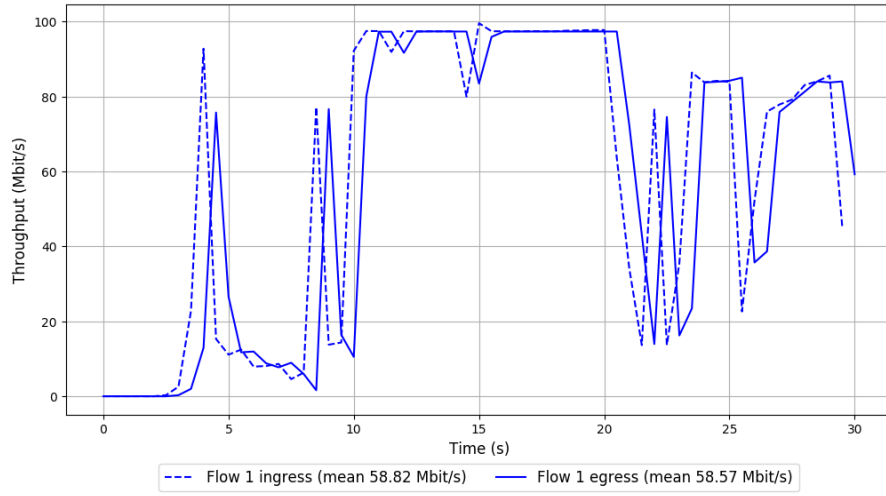
-- Flow 1:

Average throughput: 58.57 Mbit/s

95th percentile per-packet one-way delay: 103.936 ms

Loss rate: 0.43%

### Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-05-29 20:13:04

End at: 2019-05-29 20:13:34

Local clock offset: -6.113 ms

Remote clock offset: 9.16 ms

# Below is generated by plot.py at 2019-05-29 21:43:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 62.52 Mbit/s

95th percentile per-packet one-way delay: 95.851 ms

Loss rate: 0.42%

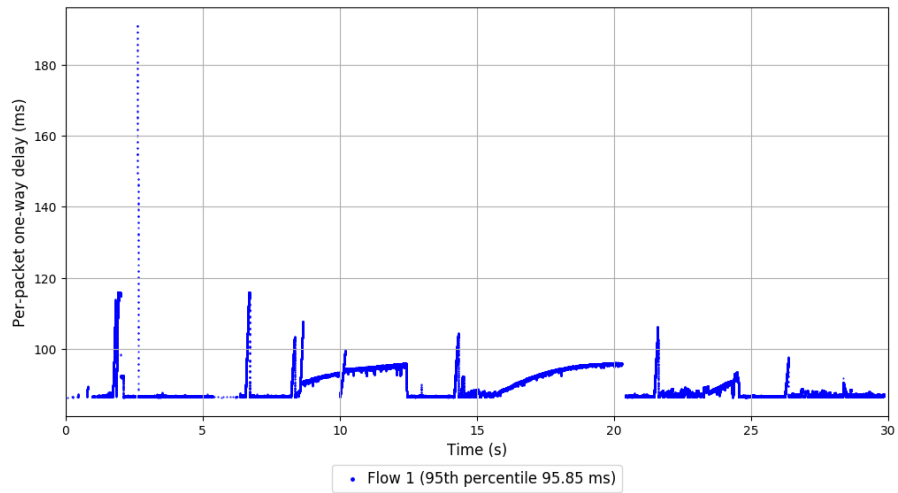
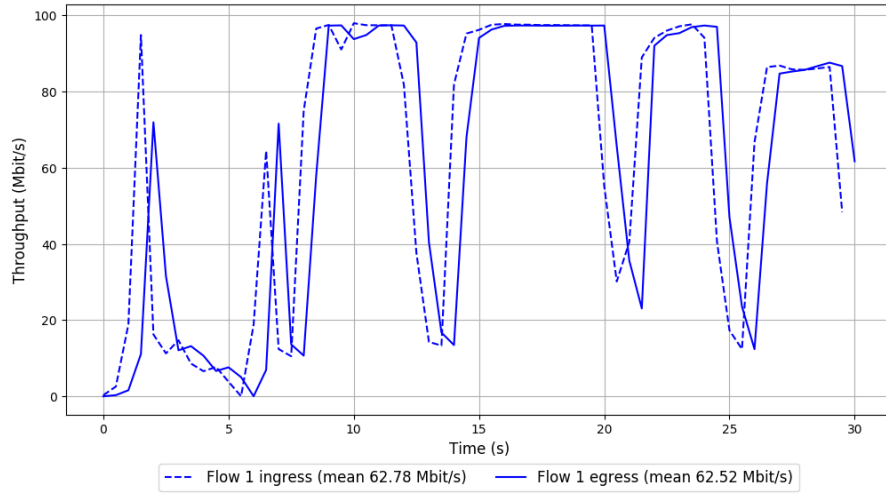
-- Flow 1:

Average throughput: 62.52 Mbit/s

95th percentile per-packet one-way delay: 95.851 ms

Loss rate: 0.42%

## Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-05-29 20:38:04

End at: 2019-05-29 20:38:34

Local clock offset: -6.327 ms

Remote clock offset: 3.979 ms

# Below is generated by plot.py at 2019-05-29 21:43:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 75.21 Mbit/s

95th percentile per-packet one-way delay: 96.661 ms

Loss rate: 0.32%

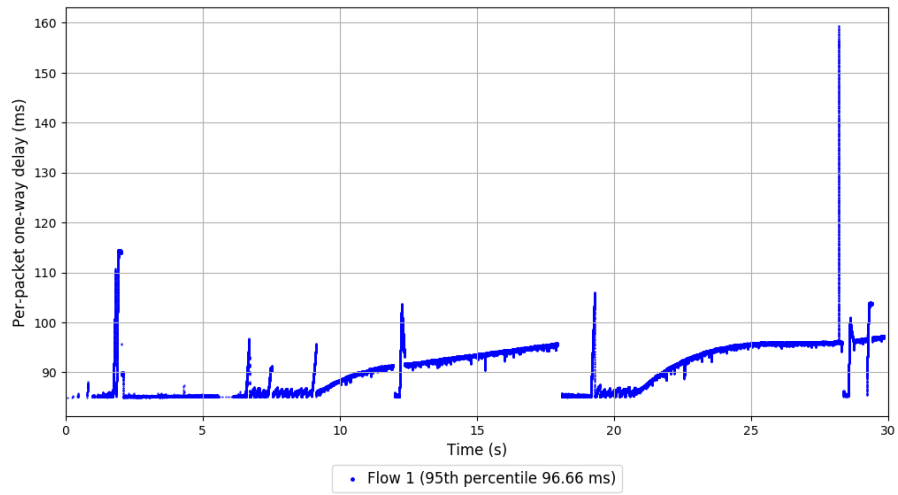
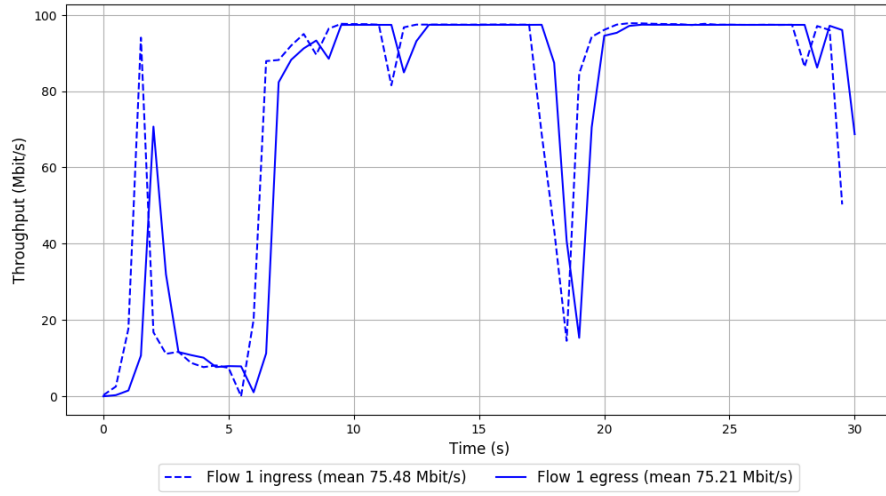
-- Flow 1:

Average throughput: 75.21 Mbit/s

95th percentile per-packet one-way delay: 96.661 ms

Loss rate: 0.32%

### Run 3: Report of QUIC Cubic — Data Link





Run 4: Statistics of QUIC Cubic

Start at: 2019-05-29 21:04:59

End at: 2019-05-29 21:05:29

Local clock offset: -3.509 ms

Remote clock offset: 0.808 ms

# Below is generated by plot.py at 2019-05-29 21:43:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 71.53 Mbit/s

95th percentile per-packet one-way delay: 87.293 ms

Loss rate: 0.34%

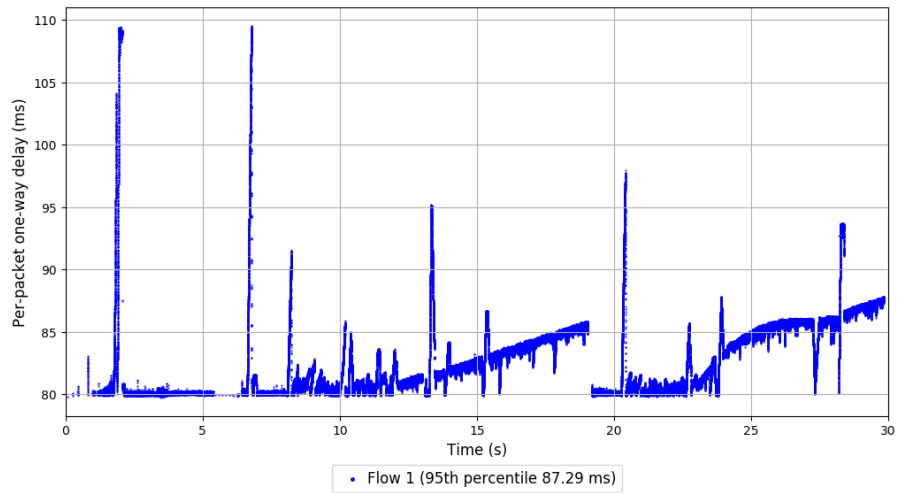
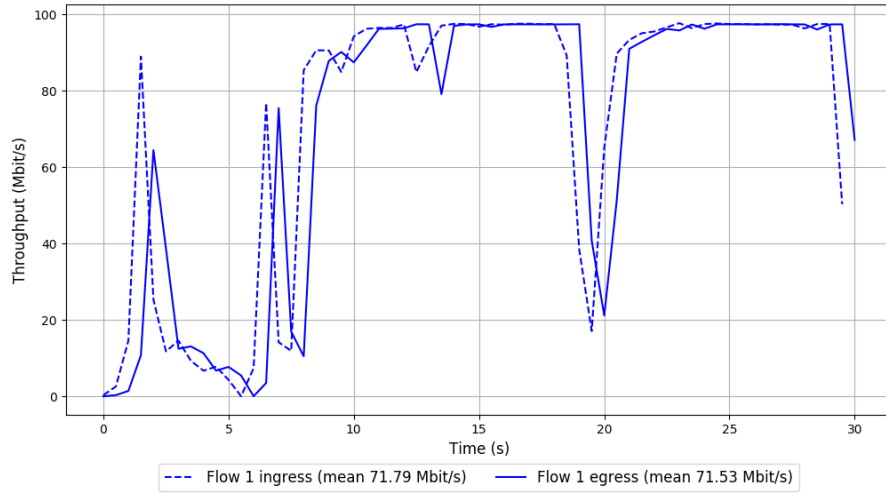
-- Flow 1:

Average throughput: 71.53 Mbit/s

95th percentile per-packet one-way delay: 87.293 ms

Loss rate: 0.34%

### Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-05-29 21:29:44

End at: 2019-05-29 21:30:14

Local clock offset: -5.767 ms

Remote clock offset: 0.369 ms

# Below is generated by plot.py at 2019-05-29 21:43:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 58.31 Mbit/s

95th percentile per-packet one-way delay: 81.629 ms

Loss rate: 0.39%

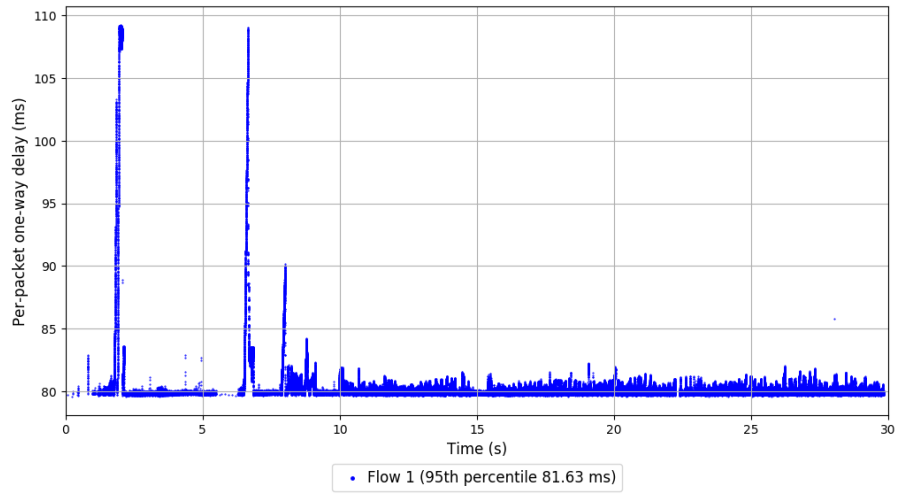
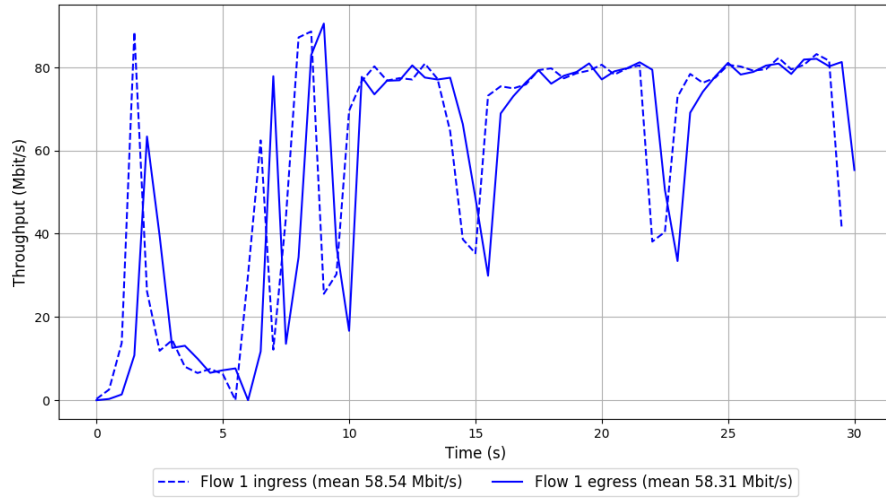
-- Flow 1:

Average throughput: 58.31 Mbit/s

95th percentile per-packet one-way delay: 81.629 ms

Loss rate: 0.39%

### Run 5: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2019-05-29 19:52:46

End at: 2019-05-29 19:53:16

Local clock offset: -6.366 ms

Remote clock offset: 4.047 ms

# Below is generated by plot.py at 2019-05-29 21:43:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.416 ms

Loss rate: 0.00%

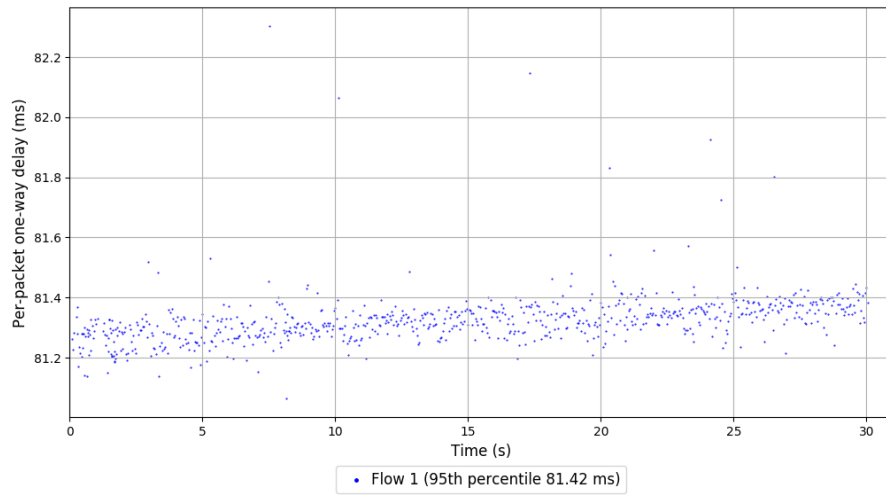
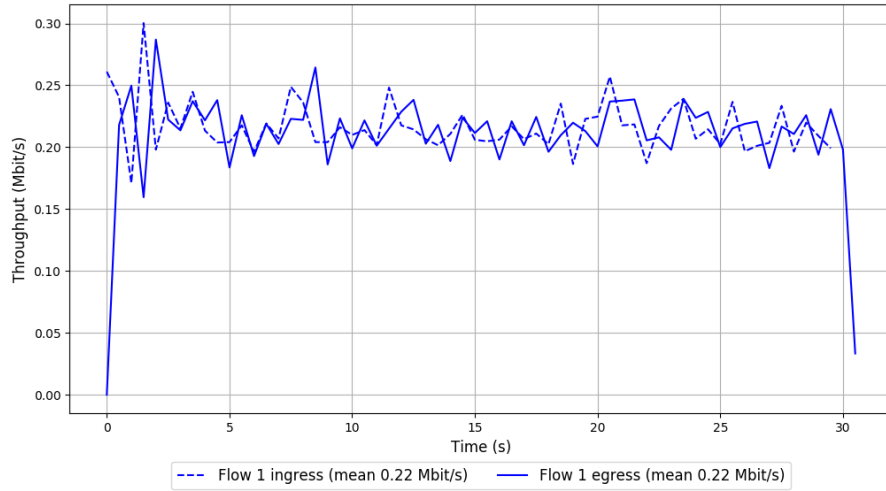
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.416 ms

Loss rate: 0.00%

### Run 1: Report of SCReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2019-05-29 20:17:50

End at: 2019-05-29 20:18:20

Local clock offset: -5.998 ms

Remote clock offset: 3.965 ms

# Below is generated by plot.py at 2019-05-29 21:43:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 80.711 ms

Loss rate: 0.00%

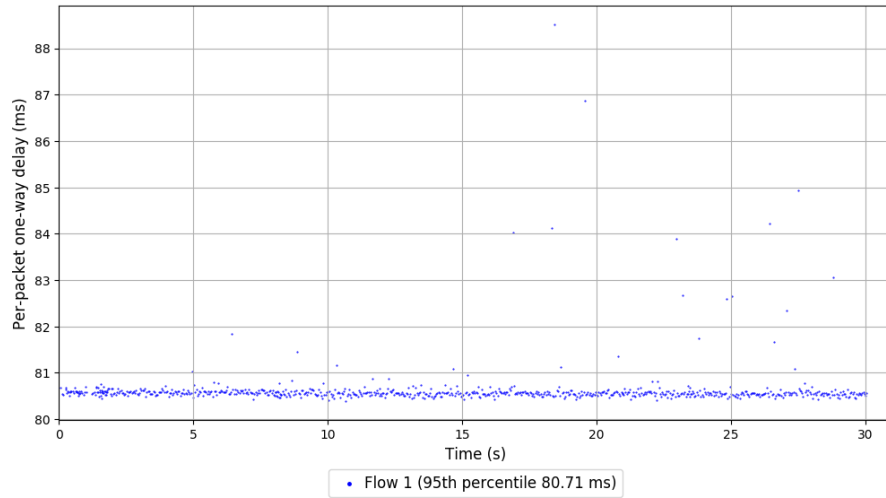
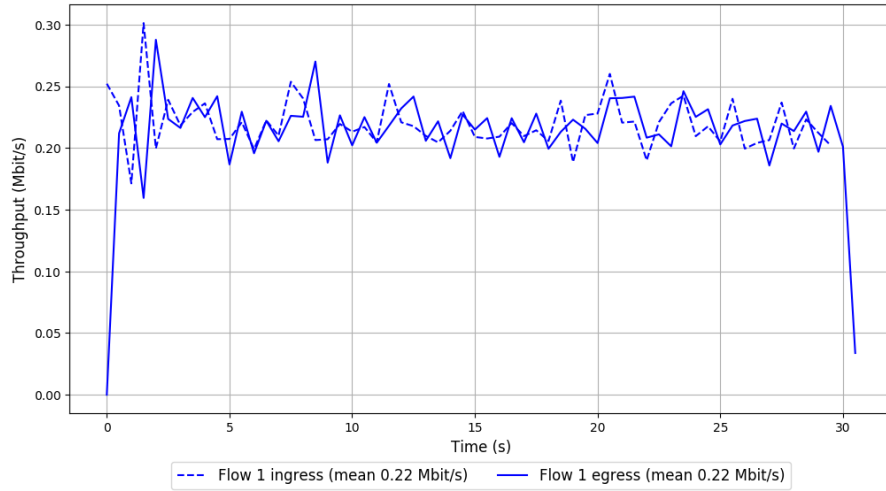
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 80.711 ms

Loss rate: 0.00%

## Run 2: Report of SCReAM — Data Link





Run 3: Statistics of SCReAM

Start at: 2019-05-29 20:42:56

End at: 2019-05-29 20:43:26

Local clock offset: -4.574 ms

Remote clock offset: 4.597 ms

# Below is generated by plot.py at 2019-05-29 21:43:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.342 ms

Loss rate: 0.00%

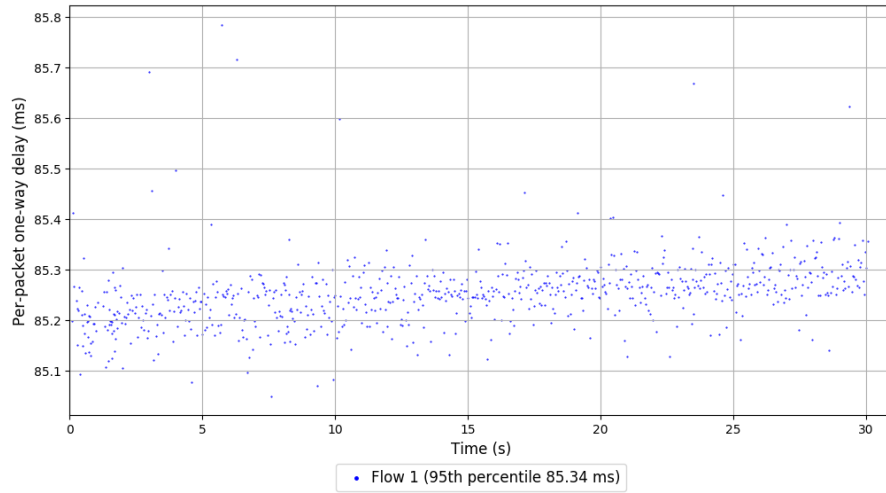
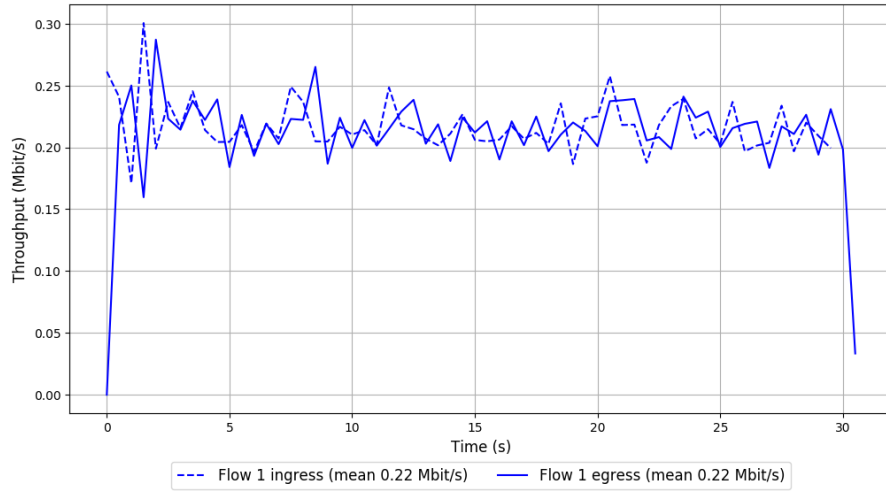
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.342 ms

Loss rate: 0.00%

### Run 3: Report of SCReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2019-05-29 21:09:45

End at: 2019-05-29 21:10:15

Local clock offset: -3.801 ms

Remote clock offset: 6.254 ms

# Below is generated by plot.py at 2019-05-29 21:43:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.331 ms

Loss rate: 0.00%

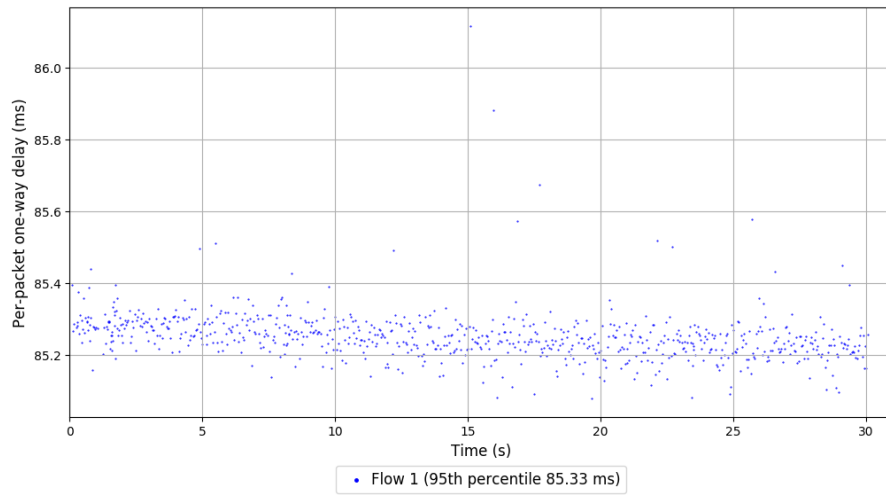
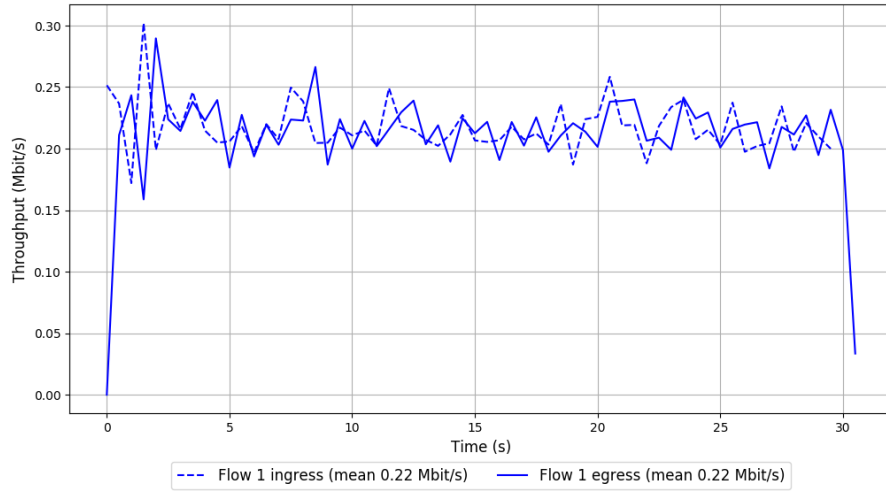
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.331 ms

Loss rate: 0.00%

#### Run 4: Report of SCReAM — Data Link

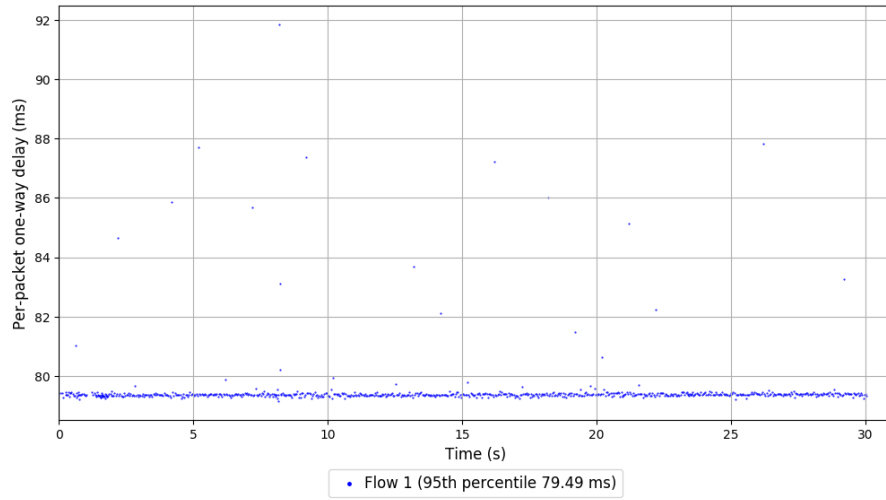
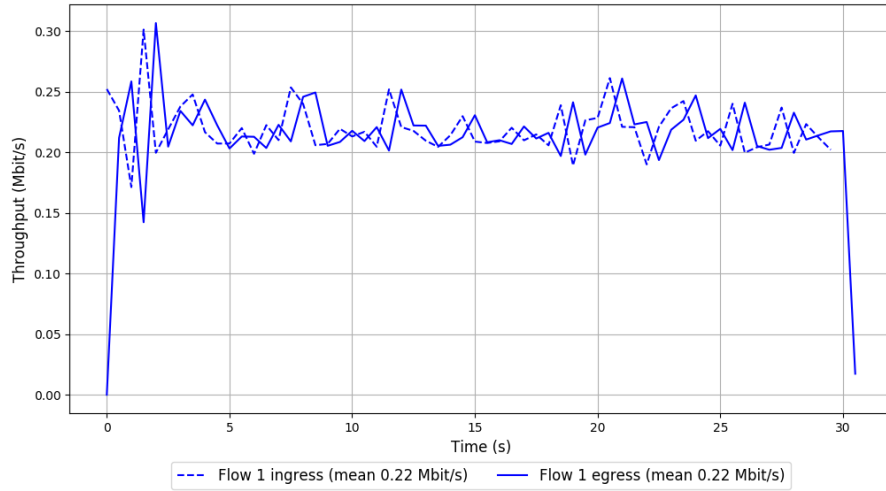


Run 5: Statistics of SCReAM

Start at: 2019-05-29 21:34:29  
End at: 2019-05-29 21:34:59  
Local clock offset: -5.175 ms  
Remote clock offset: -0.242 ms

# Below is generated by plot.py at 2019-05-29 21:43:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 79.490 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 79.490 ms  
Loss rate: 0.00%

### Run 5: Report of SCReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-05-29 19:32:36

End at: 2019-05-29 19:33:06

Local clock offset: -9.184 ms

Remote clock offset: 1.167 ms

# Below is generated by plot.py at 2019-05-29 21:43:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.22 Mbit/s

95th percentile per-packet one-way delay: 85.243 ms

Loss rate: 0.00%

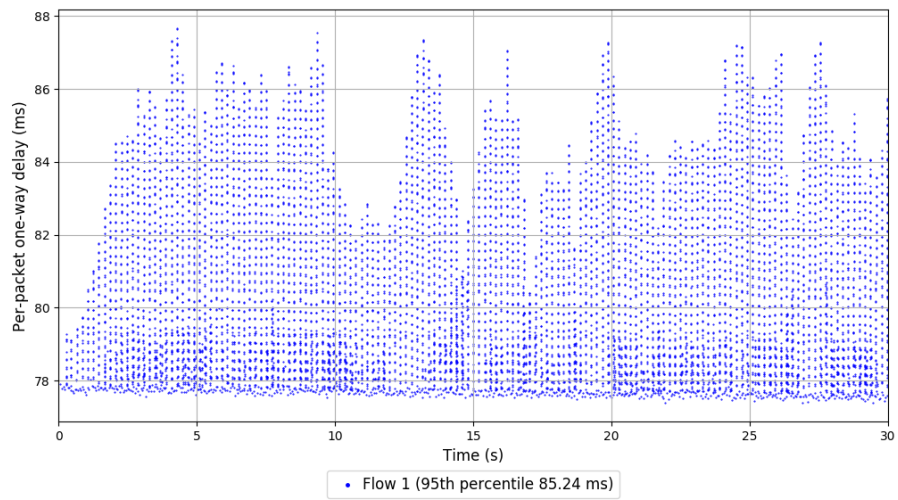
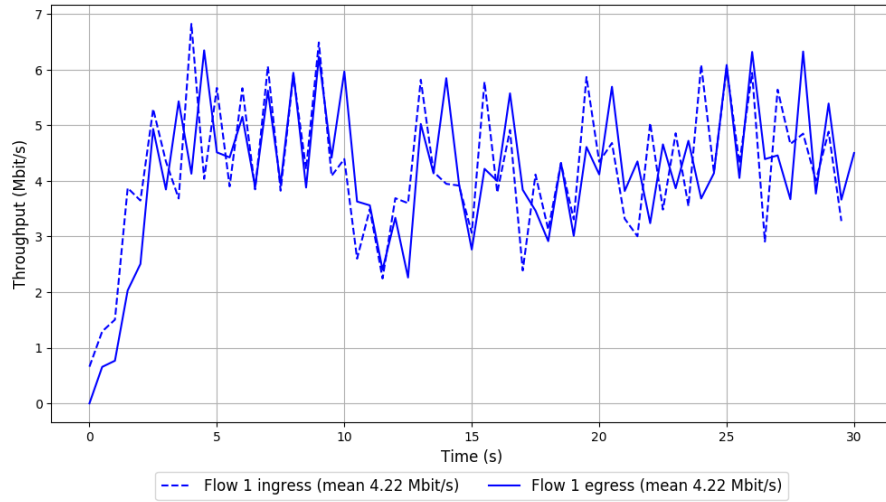
-- Flow 1:

Average throughput: 4.22 Mbit/s

95th percentile per-packet one-way delay: 85.243 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link





Run 2: Statistics of Sprout

Start at: 2019-05-29 19:57:33

End at: 2019-05-29 19:58:03

Local clock offset: -6.345 ms

Remote clock offset: 2.253 ms

# Below is generated by plot.py at 2019-05-29 21:43:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 83.613 ms

Loss rate: 0.00%

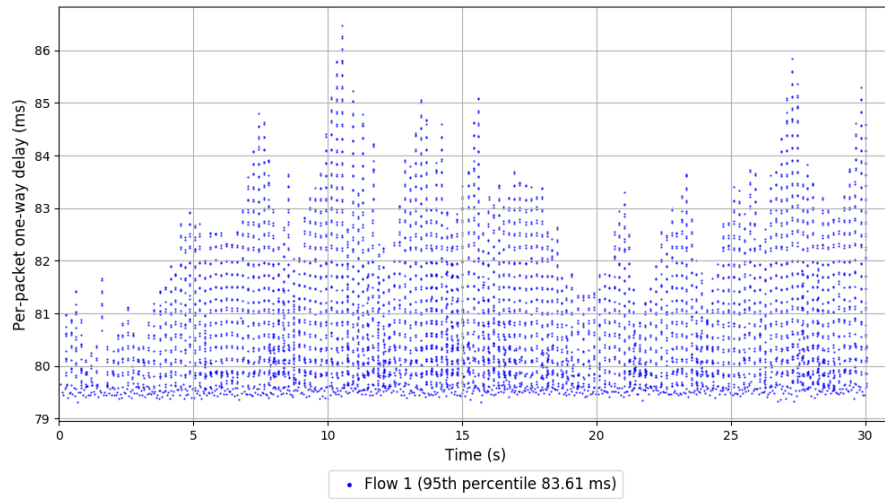
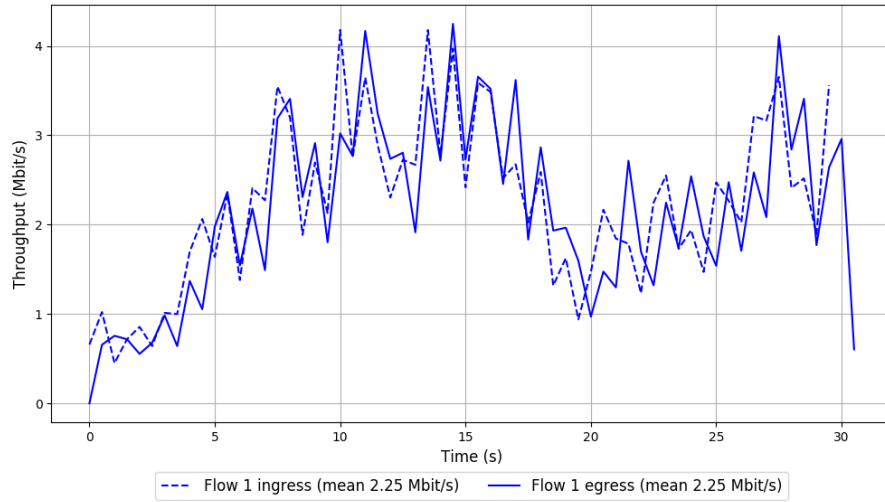
-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 83.613 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2019-05-29 20:22:30

End at: 2019-05-29 20:23:00

Local clock offset: -6.026 ms

Remote clock offset: 3.024 ms

# Below is generated by plot.py at 2019-05-29 21:43:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.96 Mbit/s

95th percentile per-packet one-way delay: 83.218 ms

Loss rate: 0.00%

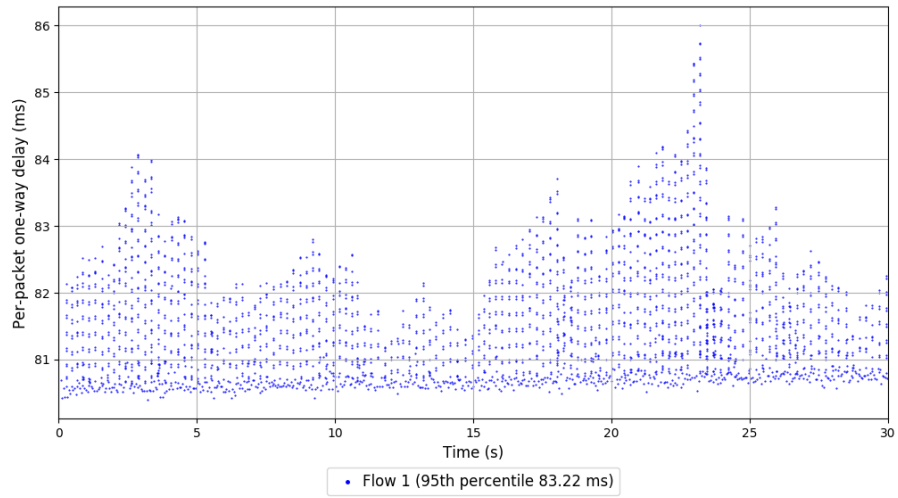
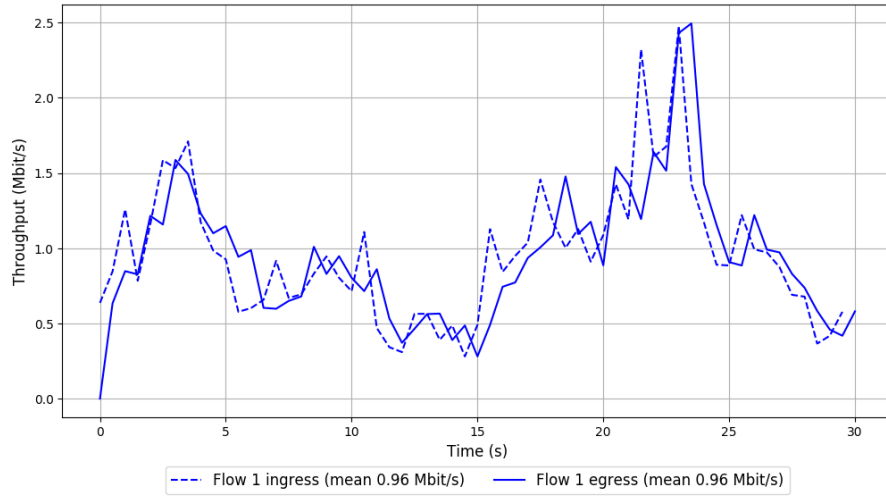
-- Flow 1:

Average throughput: 0.96 Mbit/s

95th percentile per-packet one-way delay: 83.218 ms

Loss rate: 0.00%

### Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2019-05-29 20:49:35

End at: 2019-05-29 20:50:05

Local clock offset: -4.112 ms

Remote clock offset: 4.394 ms

# Below is generated by plot.py at 2019-05-29 21:43:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.83 Mbit/s

95th percentile per-packet one-way delay: 87.347 ms

Loss rate: 0.00%

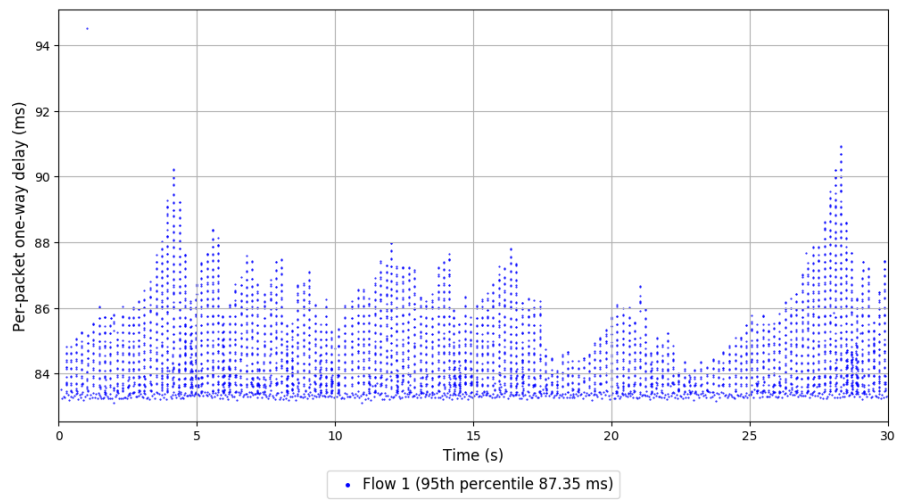
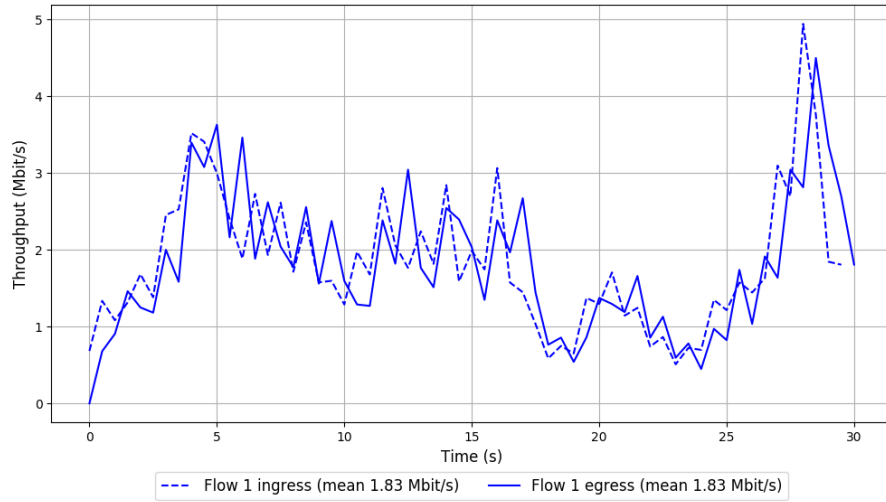
-- Flow 1:

Average throughput: 1.83 Mbit/s

95th percentile per-packet one-way delay: 87.347 ms

Loss rate: 0.00%

### Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-05-29 21:14:26

End at: 2019-05-29 21:14:56

Local clock offset: -5.303 ms

Remote clock offset: 0.089 ms

# Below is generated by plot.py at 2019-05-29 21:43:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.71 Mbit/s

95th percentile per-packet one-way delay: 86.968 ms

Loss rate: 0.00%

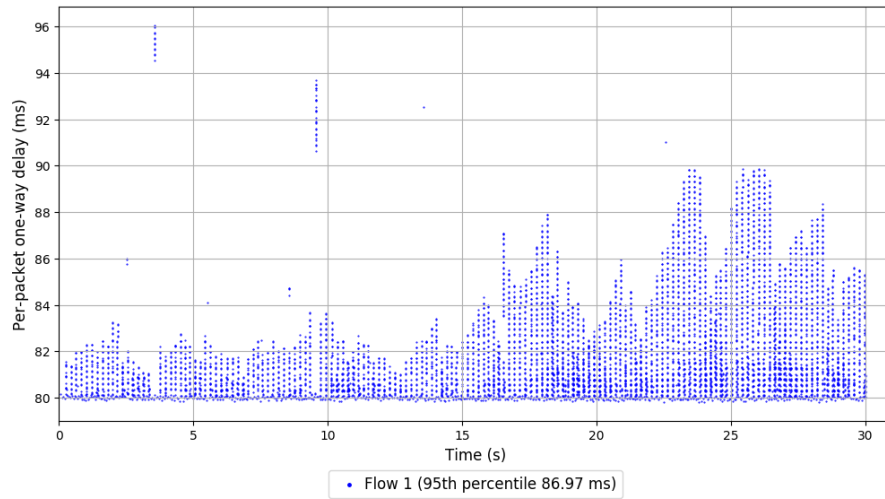
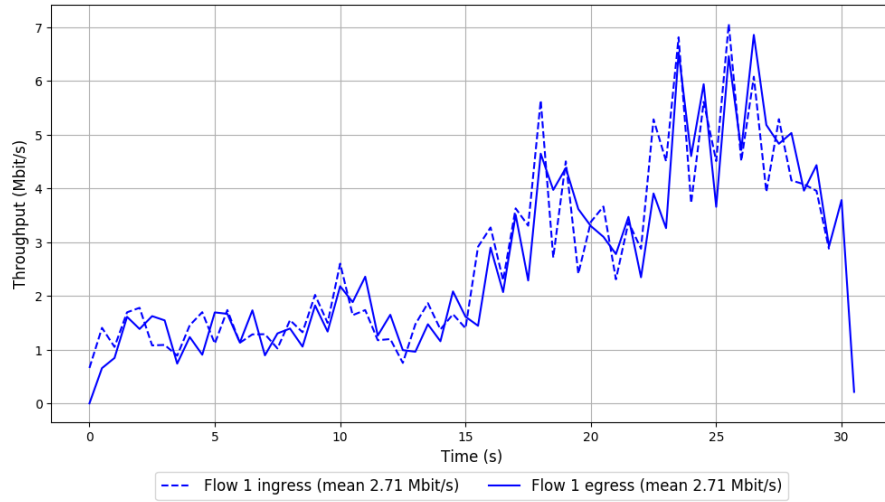
-- Flow 1:

Average throughput: 2.71 Mbit/s

95th percentile per-packet one-way delay: 86.968 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link





Run 1: Statistics of TaoVA-100x

Start at: 2019-05-29 19:43:10

End at: 2019-05-29 19:43:40

Local clock offset: -7.108 ms

Remote clock offset: 4.22 ms

# Below is generated by plot.py at 2019-05-29 21:43:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 12.59 Mbit/s

95th percentile per-packet one-way delay: 81.230 ms

Loss rate: 22.06%

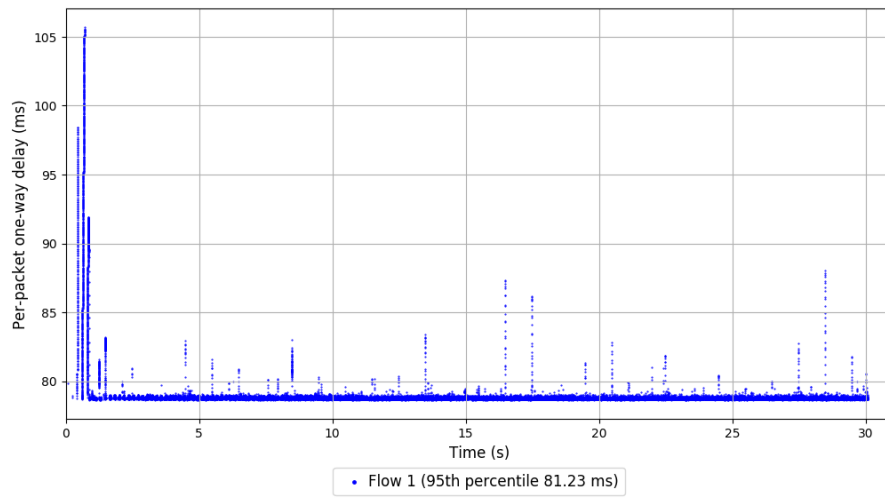
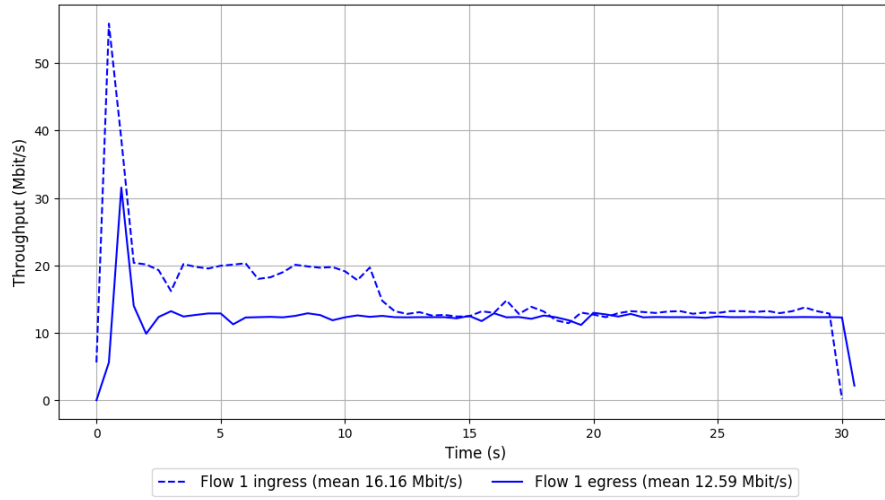
-- Flow 1:

Average throughput: 12.59 Mbit/s

95th percentile per-packet one-way delay: 81.230 ms

Loss rate: 22.06%

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



Run 2: Statistics of TaoVA-100x

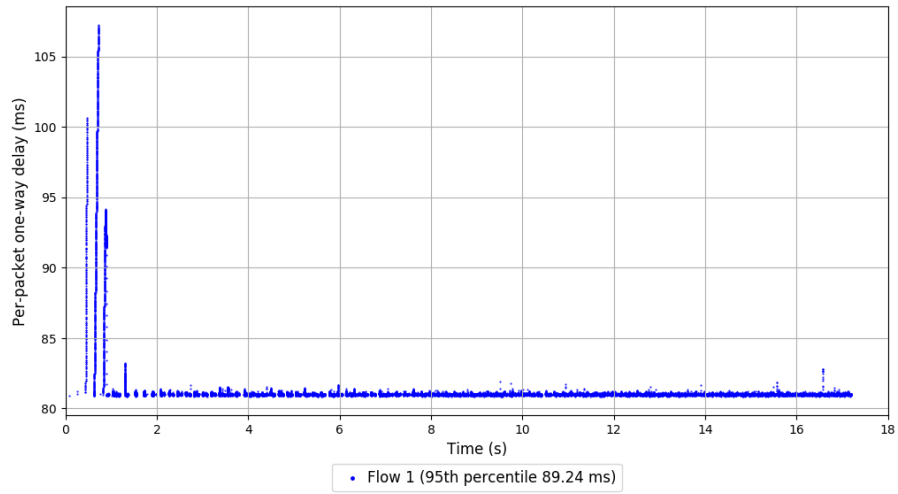
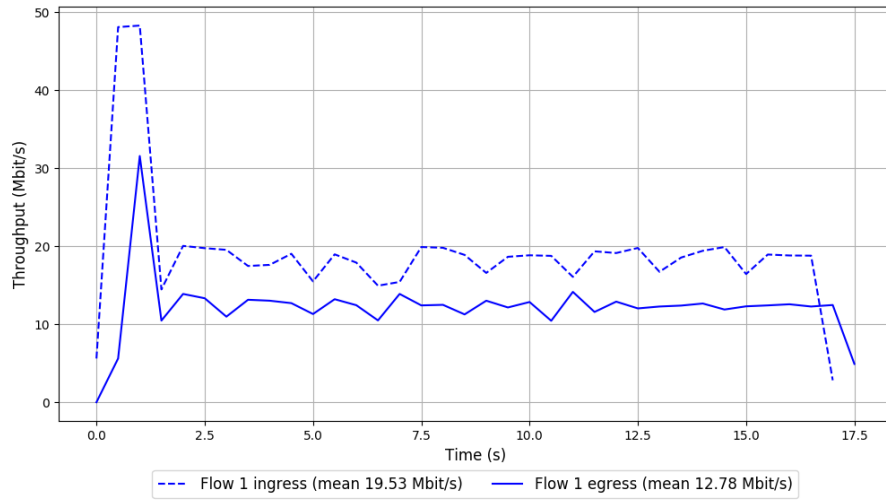
Start at: 2019-05-29 20:08:24

End at: 2019-05-29 20:08:54

Local clock offset: -6.712 ms

Remote clock offset: 3.399 ms

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



Run 3: Statistics of TaoVA-100x

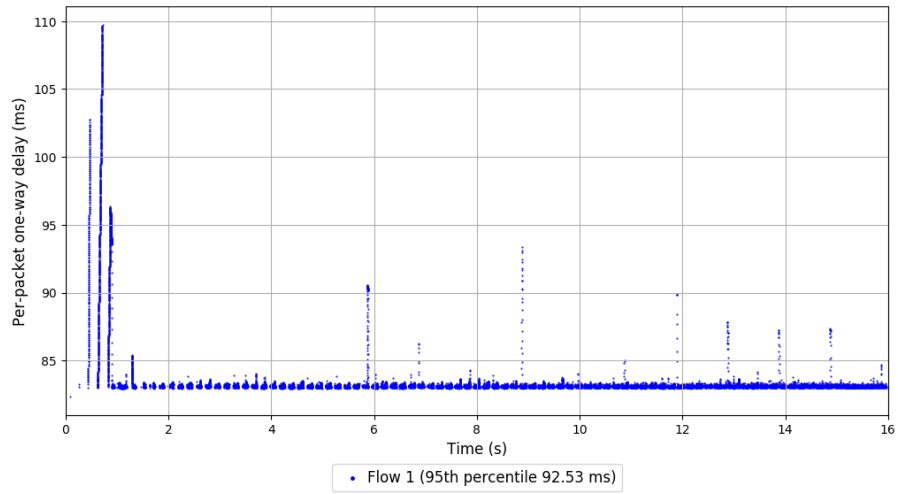
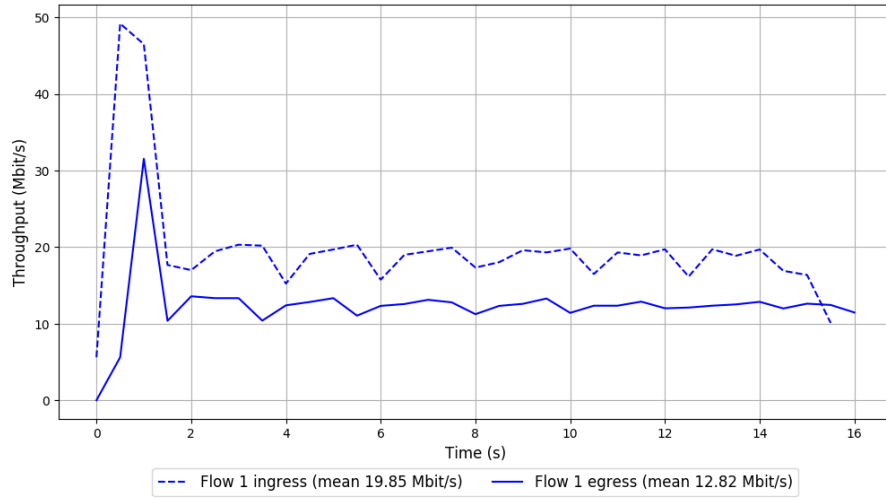
Start at: 2019-05-29 20:33:23

End at: 2019-05-29 20:33:53

Local clock offset: -5.51 ms

Remote clock offset: 5.225 ms

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-05-29 21:00:19

End at: 2019-05-29 21:00:49

Local clock offset: -3.567 ms

Remote clock offset: 0.705 ms

# Below is generated by plot.py at 2019-05-29 21:43:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 12.64 Mbit/s

95th percentile per-packet one-way delay: 82.479 ms

Loss rate: 29.47%

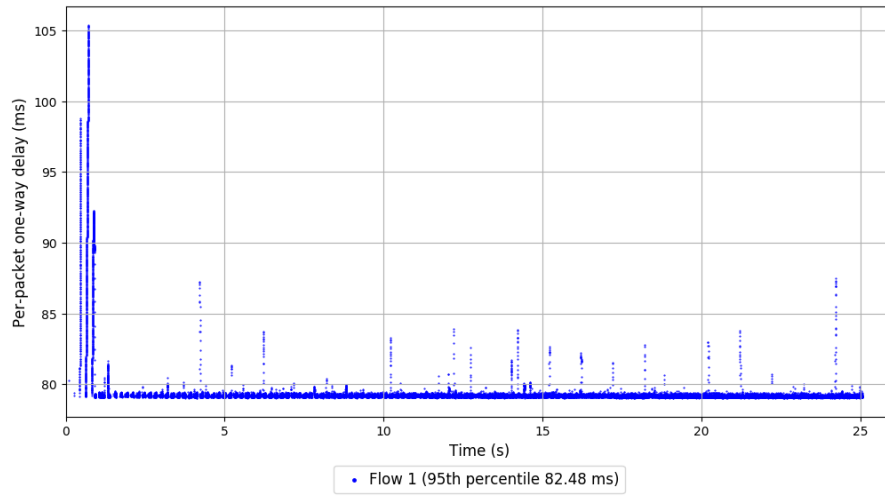
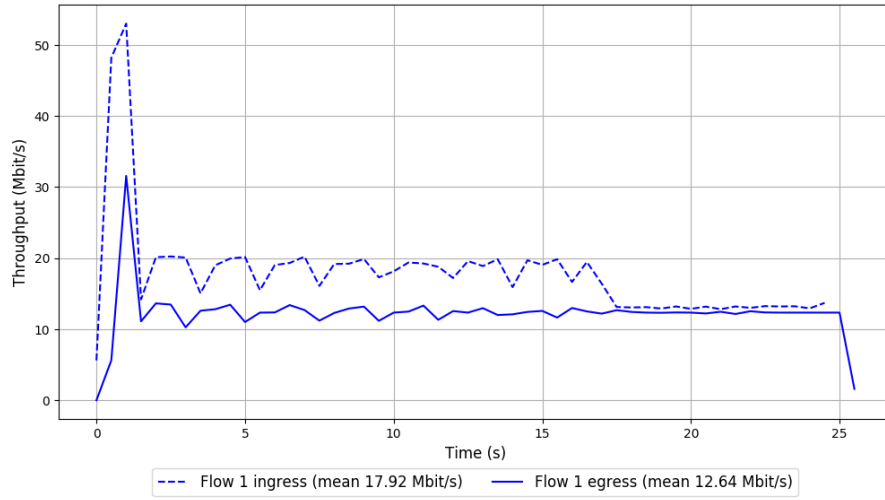
-- Flow 1:

Average throughput: 12.64 Mbit/s

95th percentile per-packet one-way delay: 82.479 ms

Loss rate: 29.47%

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





Run 5: Statistics of TaoVA-100x

Start at: 2019-05-29 21:25:01

End at: 2019-05-29 21:25:31

Local clock offset: -5.611 ms

Remote clock offset: 5.313 ms

# Below is generated by plot.py at 2019-05-29 21:43:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 12.59 Mbit/s

95th percentile per-packet one-way delay: 87.028 ms

Loss rate: 16.77%

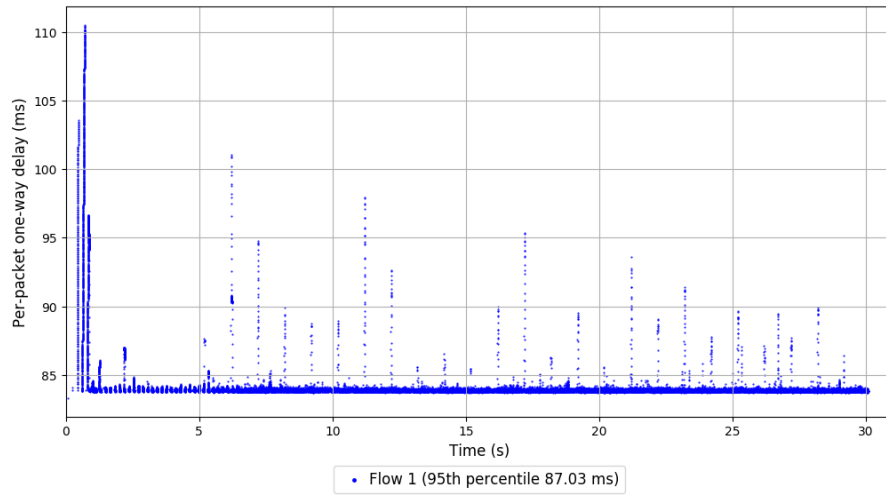
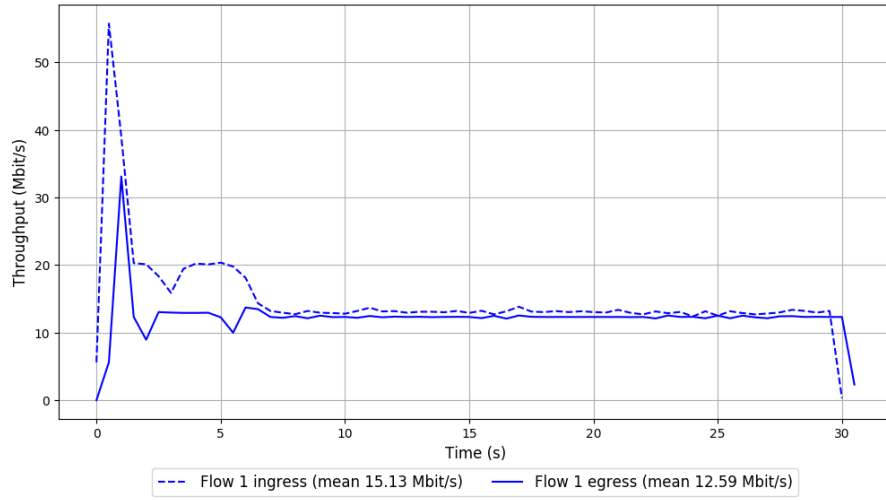
-- Flow 1:

Average throughput: 12.59 Mbit/s

95th percentile per-packet one-way delay: 87.028 ms

Loss rate: 16.77%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-05-29 19:37:15

End at: 2019-05-29 19:37:45

Local clock offset: -9.662 ms

Remote clock offset: 2.724 ms

# Below is generated by plot.py at 2019-05-29 21:44:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 55.97 Mbit/s

95th percentile per-packet one-way delay: 80.200 ms

Loss rate: 0.67%

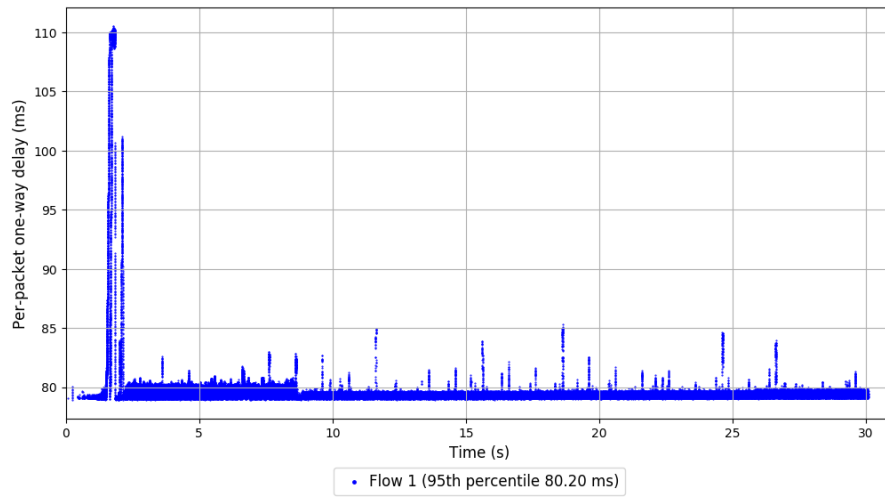
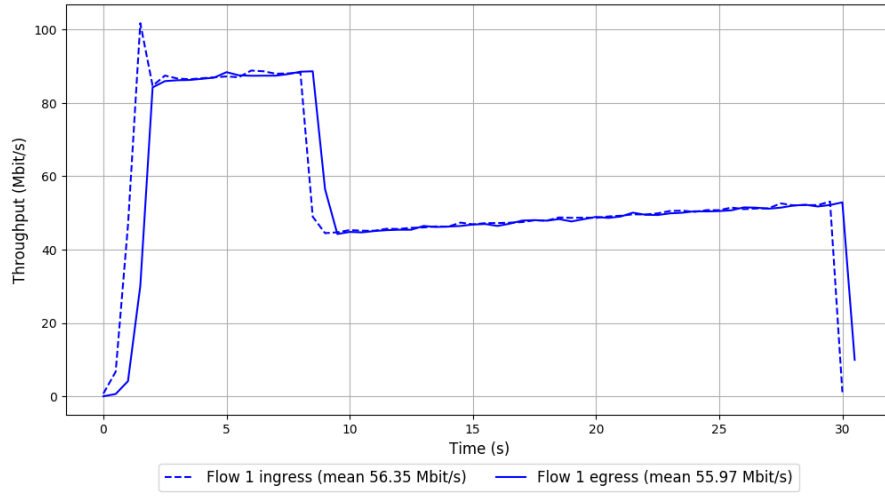
-- Flow 1:

Average throughput: 55.97 Mbit/s

95th percentile per-packet one-way delay: 80.200 ms

Loss rate: 0.67%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-05-29 20:02:13

End at: 2019-05-29 20:02:43

Local clock offset: -6.339 ms

Remote clock offset: 6.094 ms

# Below is generated by plot.py at 2019-05-29 21:44:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 52.07 Mbit/s

95th percentile per-packet one-way delay: 84.134 ms

Loss rate: 1.28%

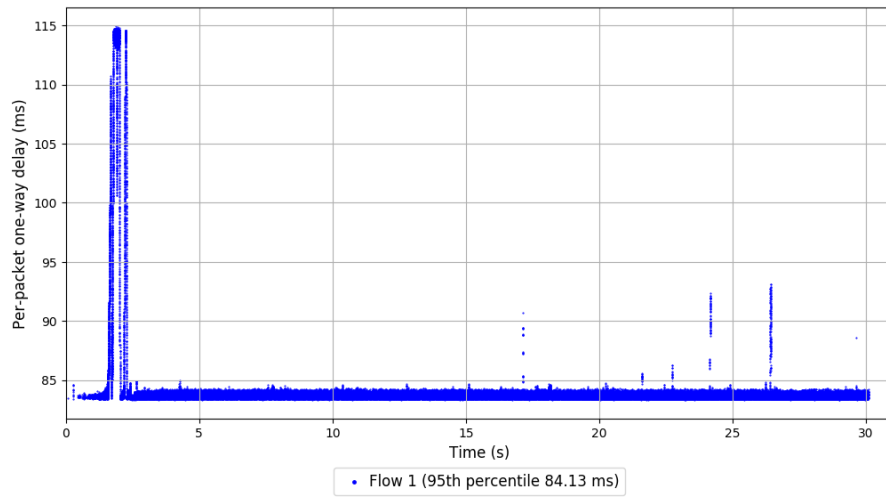
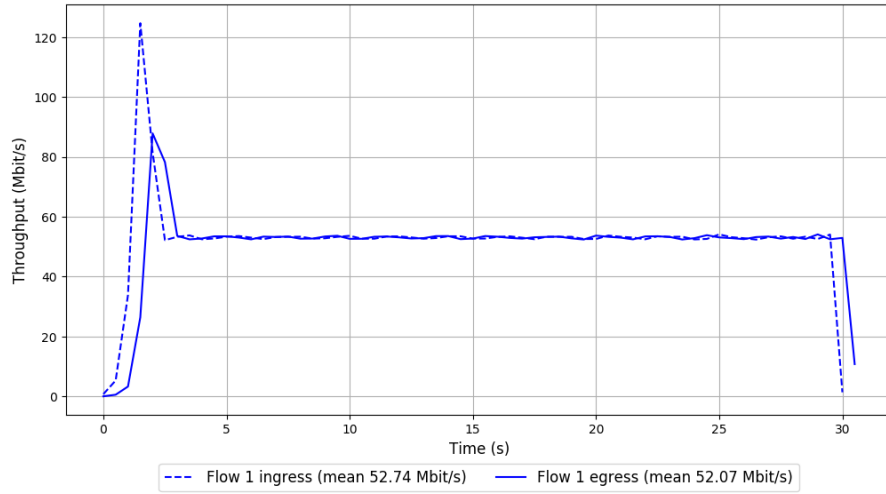
-- Flow 1:

Average throughput: 52.07 Mbit/s

95th percentile per-packet one-way delay: 84.134 ms

Loss rate: 1.28%

## Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-05-29 20:27:26

End at: 2019-05-29 20:27:56

Local clock offset: -5.538 ms

Remote clock offset: 5.008 ms

# Below is generated by plot.py at 2019-05-29 21:44:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 59.13 Mbit/s

95th percentile per-packet one-way delay: 83.758 ms

Loss rate: 1.16%

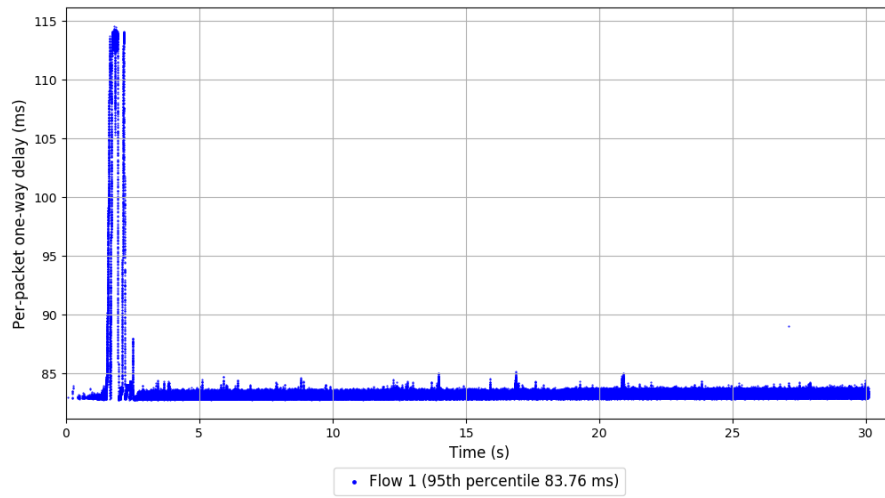
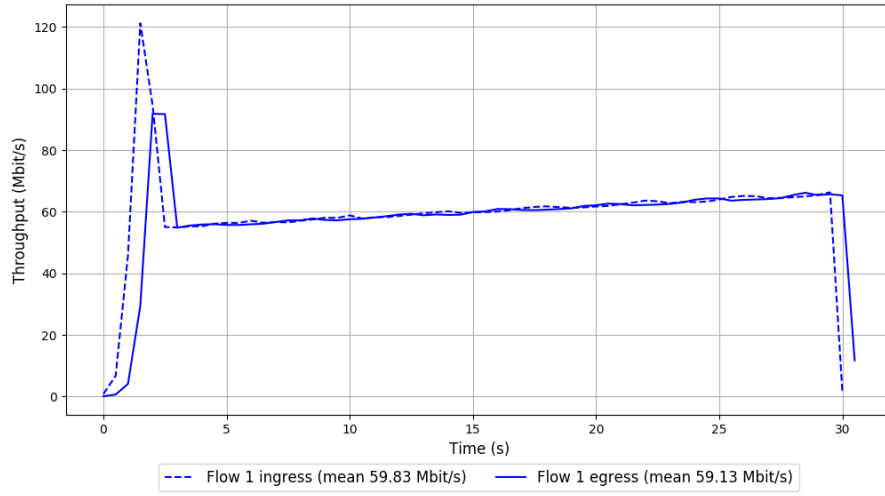
-- Flow 1:

Average throughput: 59.13 Mbit/s

95th percentile per-packet one-way delay: 83.758 ms

Loss rate: 1.16%

### Run 3: Report of TCP Vegas — Data Link





Run 4: Statistics of TCP Vegas

Start at: 2019-05-29 20:54:25

End at: 2019-05-29 20:54:55

Local clock offset: -4.473 ms

Remote clock offset: 3.397 ms

# Below is generated by plot.py at 2019-05-29 21:44:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 32.89 Mbit/s

95th percentile per-packet one-way delay: 86.916 ms

Loss rate: 2.08%

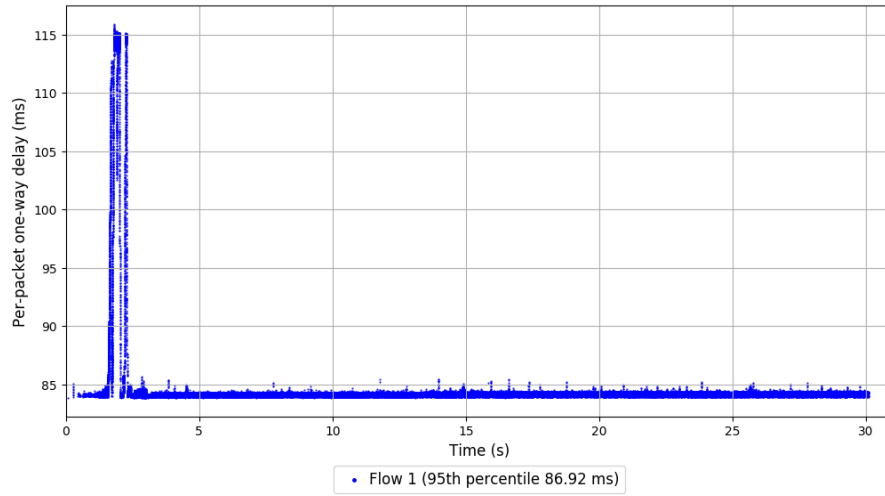
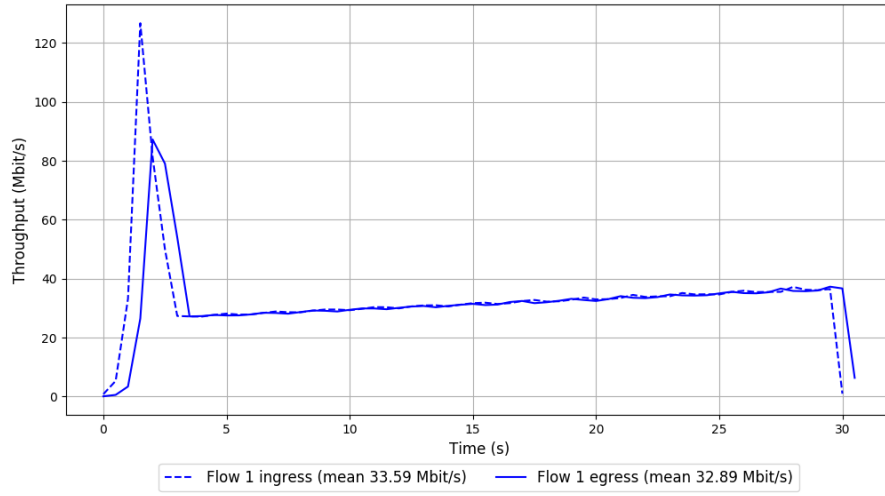
-- Flow 1:

Average throughput: 32.89 Mbit/s

95th percentile per-packet one-way delay: 86.916 ms

Loss rate: 2.08%

### Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-05-29 21:19:05

End at: 2019-05-29 21:19:35

Local clock offset: -4.776 ms

Remote clock offset: 0.225 ms

# Below is generated by plot.py at 2019-05-29 21:44:43

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.70 Mbit/s

95th percentile per-packet one-way delay: 81.137 ms

Loss rate: 0.42%

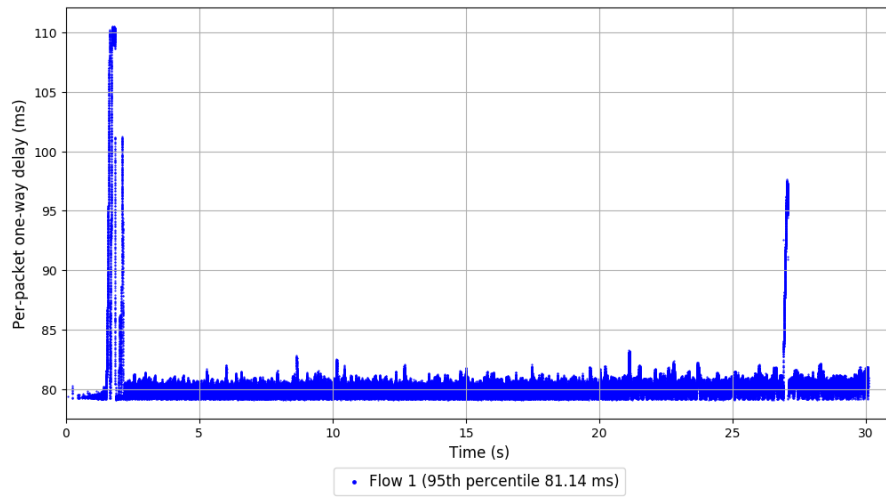
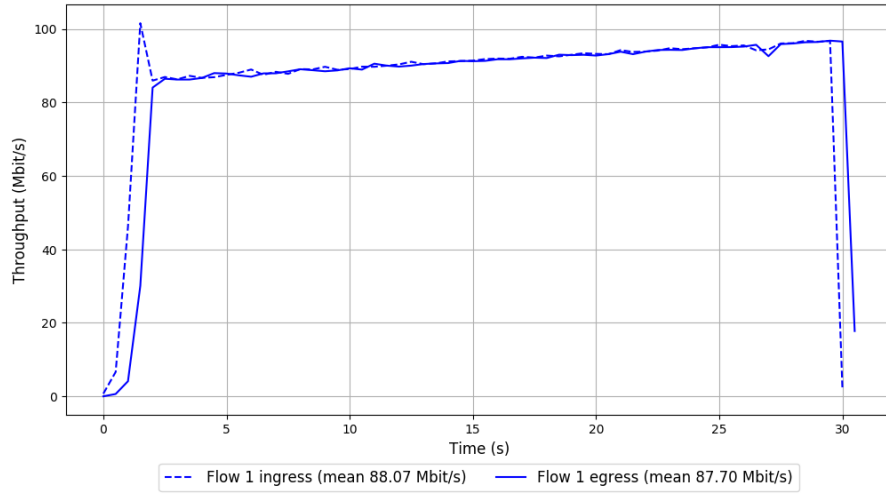
-- Flow 1:

Average throughput: 87.70 Mbit/s

95th percentile per-packet one-way delay: 81.137 ms

Loss rate: 0.42%

### Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-05-29 19:29:02

End at: 2019-05-29 19:29:32

Local clock offset: -9.168 ms

Remote clock offset: 0.814 ms

# Below is generated by plot.py at 2019-05-29 21:44:43

# Datalink statistics

-- Total of 1 flow:

Average throughput: 26.93 Mbit/s

95th percentile per-packet one-way delay: 110.079 ms

Loss rate: 9.45%

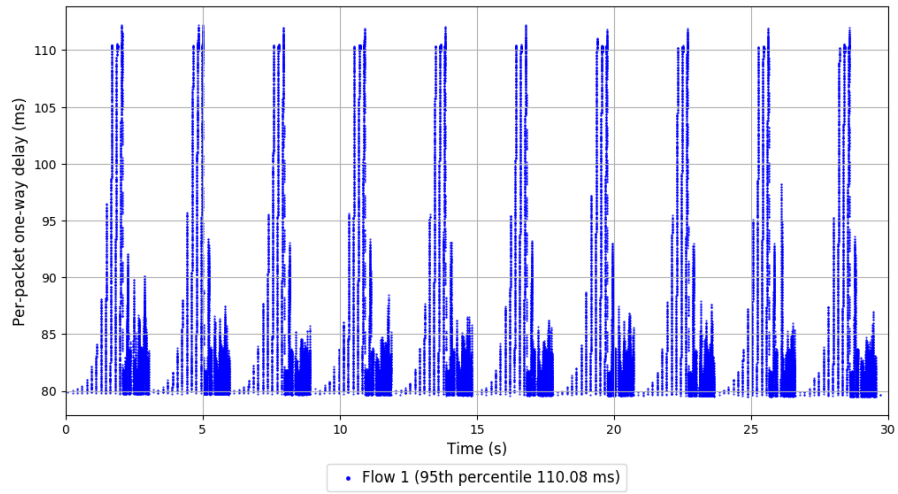
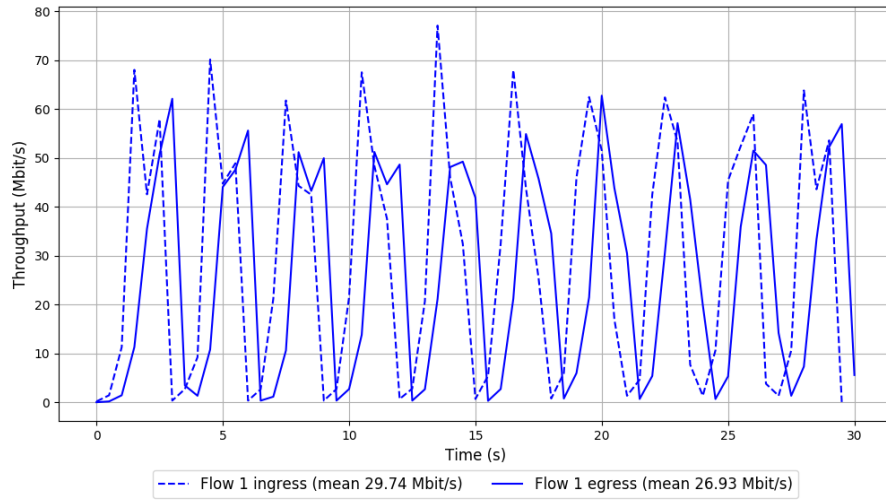
-- Flow 1:

Average throughput: 26.93 Mbit/s

95th percentile per-packet one-way delay: 110.079 ms

Loss rate: 9.45%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-05-29 19:53:54

End at: 2019-05-29 19:54:24

Local clock offset: -5.531 ms

Remote clock offset: 2.842 ms

# Below is generated by plot.py at 2019-05-29 21:45:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 41.01 Mbit/s

95th percentile per-packet one-way delay: 176.460 ms

Loss rate: 87.24%

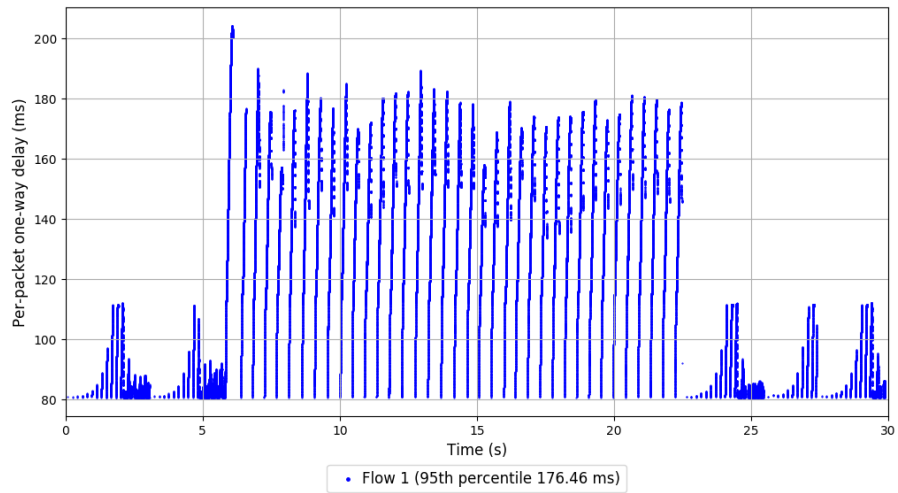
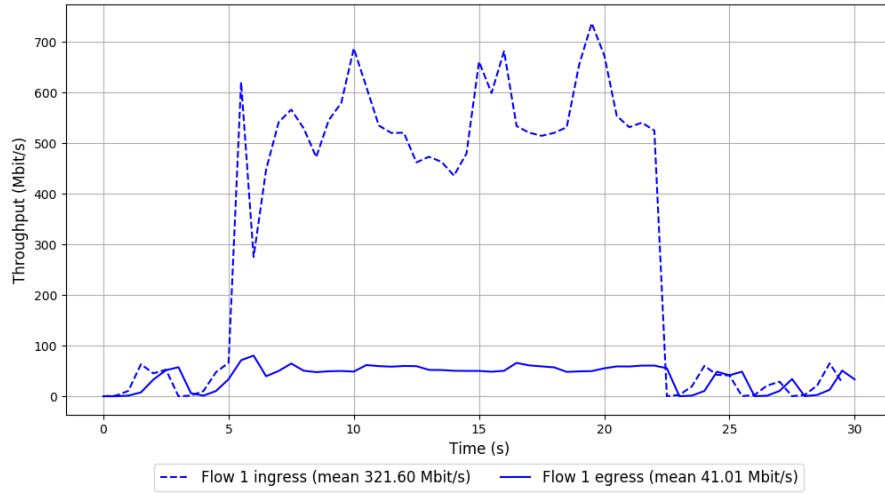
-- Flow 1:

Average throughput: 41.01 Mbit/s

95th percentile per-packet one-way delay: 176.460 ms

Loss rate: 87.24%

Run 2: Report of Verus — Data Link





Run 3: Statistics of Verus

Start at: 2019-05-29 20:18:58

End at: 2019-05-29 20:19:28

Local clock offset: -5.204 ms

Remote clock offset: 4.442 ms

# Below is generated by plot.py at 2019-05-29 21:45:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 27.84 Mbit/s

95th percentile per-packet one-way delay: 112.384 ms

Loss rate: 16.55%

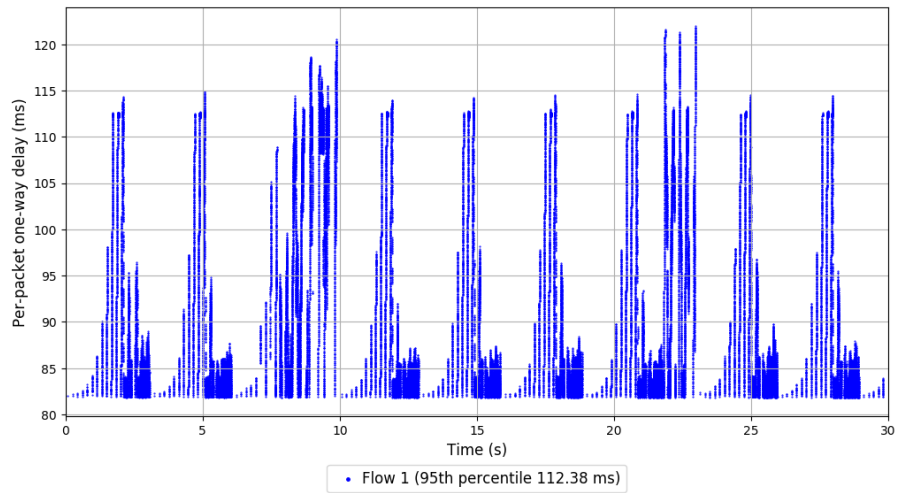
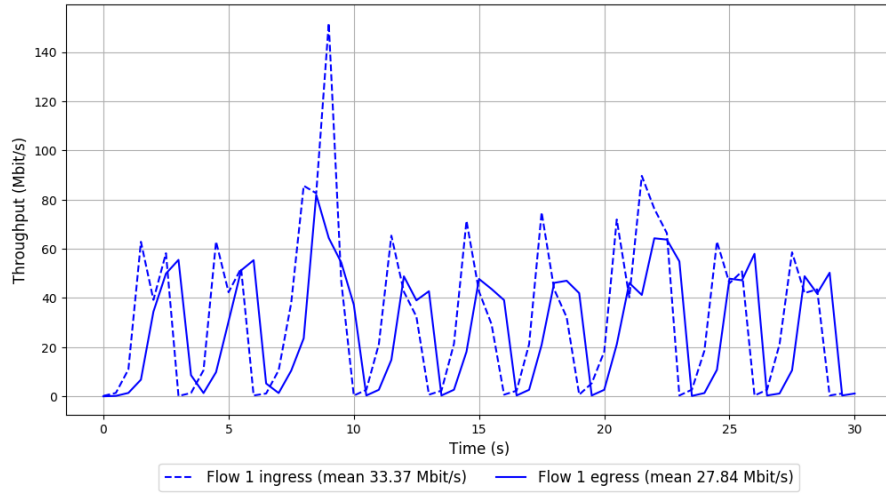
-- Flow 1:

Average throughput: 27.84 Mbit/s

95th percentile per-packet one-way delay: 112.384 ms

Loss rate: 16.55%

### Run 3: Report of Verus — Data Link

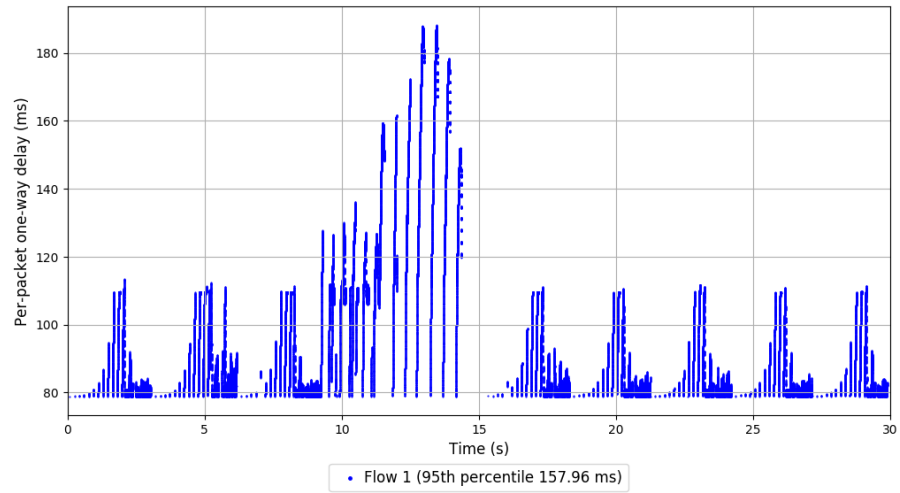
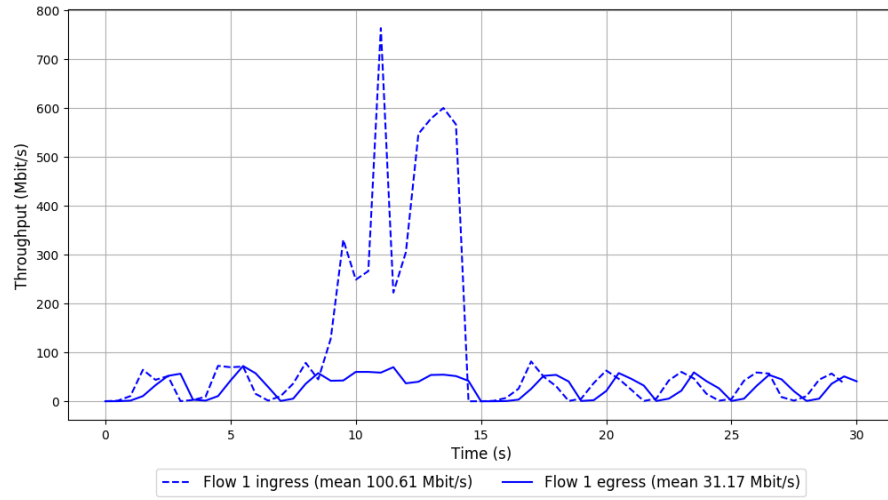


Run 4: Statistics of Verus

Start at: 2019-05-29 20:44:03  
End at: 2019-05-29 20:44:33  
Local clock offset: -5.166 ms  
Remote clock offset: -0.562 ms

# Below is generated by plot.py at 2019-05-29 21:45:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 31.17 Mbit/s  
95th percentile per-packet one-way delay: 157.958 ms  
Loss rate: 69.01%  
-- Flow 1:  
Average throughput: 31.17 Mbit/s  
95th percentile per-packet one-way delay: 157.958 ms  
Loss rate: 69.01%

### Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-05-29 21:10:52

End at: 2019-05-29 21:11:22

Local clock offset: -3.97 ms

Remote clock offset: 3.857 ms

# Below is generated by plot.py at 2019-05-29 21:45:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 34.11 Mbit/s

95th percentile per-packet one-way delay: 111.852 ms

Loss rate: 28.80%

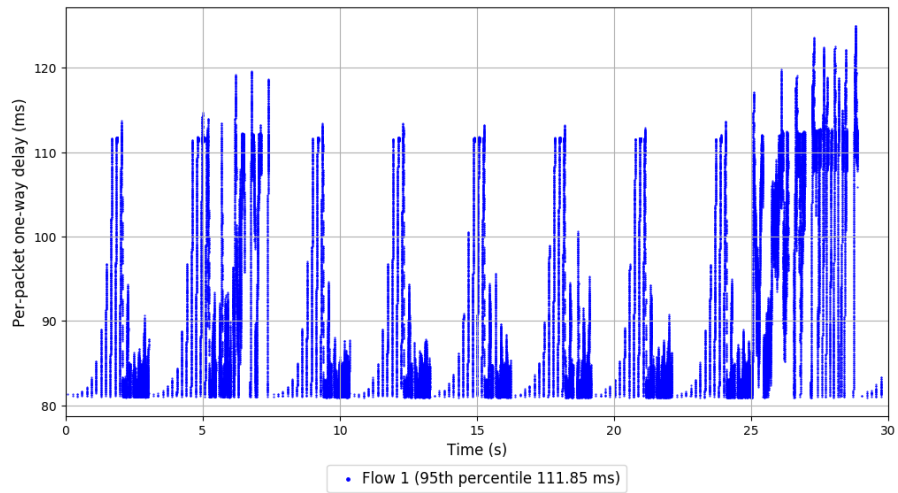
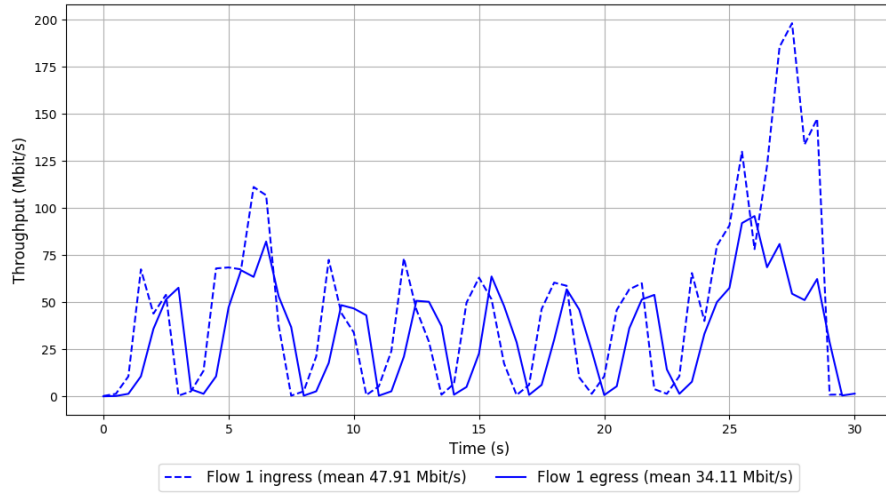
-- Flow 1:

Average throughput: 34.11 Mbit/s

95th percentile per-packet one-way delay: 111.852 ms

Loss rate: 28.80%

### Run 5: Report of Verus — Data Link

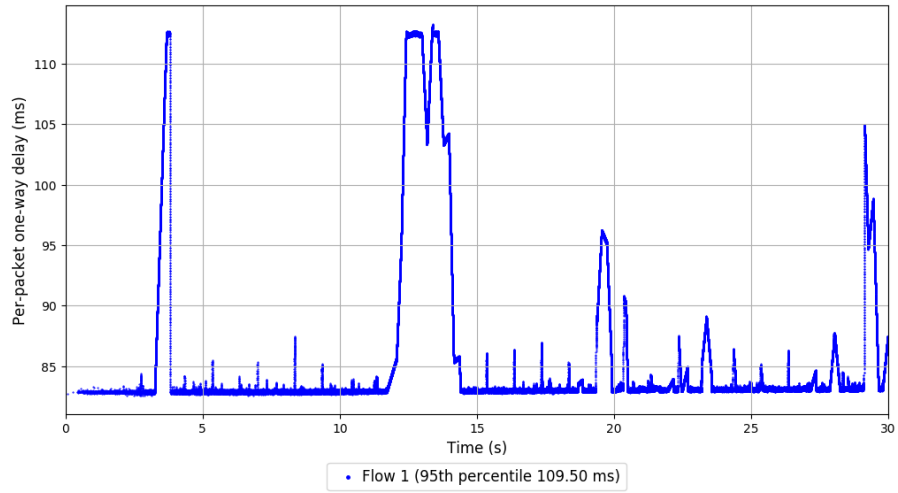
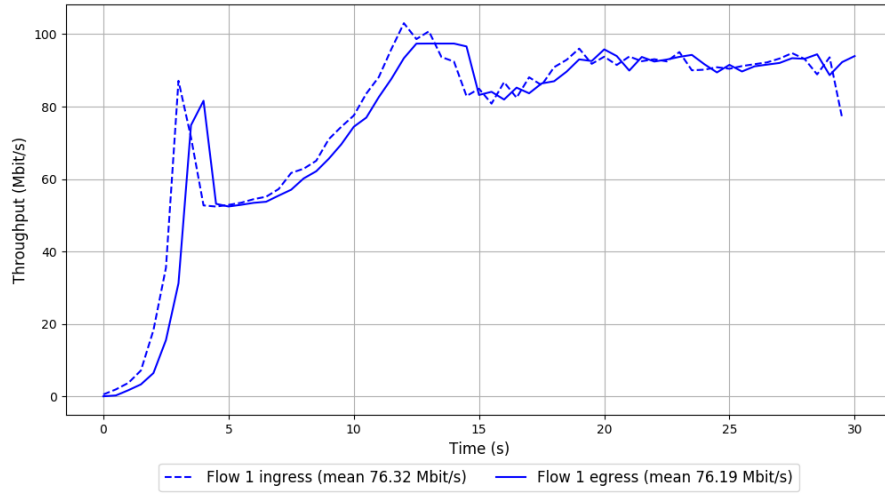


Run 1: Statistics of PCC-Vivace

Start at: 2019-05-29 19:46:35  
End at: 2019-05-29 19:47:05  
Local clock offset: -6.206 ms  
Remote clock offset: 10.091 ms

# Below is generated by plot.py at 2019-05-29 21:45:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 76.19 Mbit/s  
95th percentile per-packet one-way delay: 109.499 ms  
Loss rate: 0.16%  
-- Flow 1:  
Average throughput: 76.19 Mbit/s  
95th percentile per-packet one-way delay: 109.499 ms  
Loss rate: 0.16%

Run 1: Report of PCC-Vivace — Data Link





Run 2: Statistics of PCC-Vivace

Start at: 2019-05-29 20:11:51

End at: 2019-05-29 20:12:21

Local clock offset: -5.367 ms

Remote clock offset: 7.773 ms

# Below is generated by plot.py at 2019-05-29 21:45:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 75.91 Mbit/s

95th percentile per-packet one-way delay: 112.376 ms

Loss rate: 0.13%

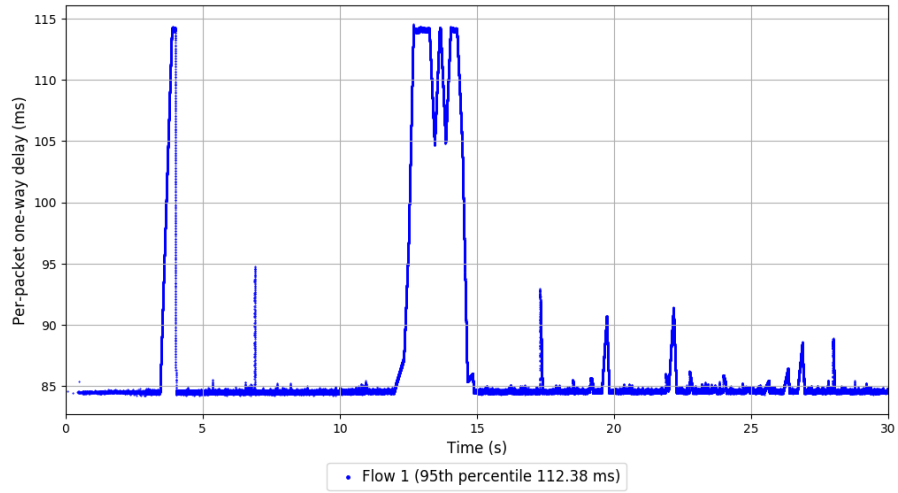
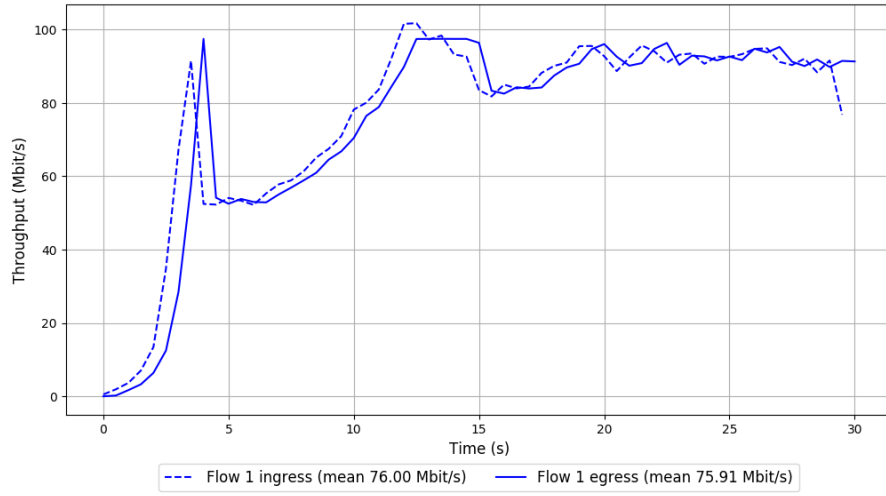
-- Flow 1:

Average throughput: 75.91 Mbit/s

95th percentile per-packet one-way delay: 112.376 ms

Loss rate: 0.13%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-05-29 20:36:49

End at: 2019-05-29 20:37:19

Local clock offset: -6.619 ms

Remote clock offset: 4.979 ms

# Below is generated by plot.py at 2019-05-29 21:45:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.38 Mbit/s

95th percentile per-packet one-way delay: 97.656 ms

Loss rate: 0.04%

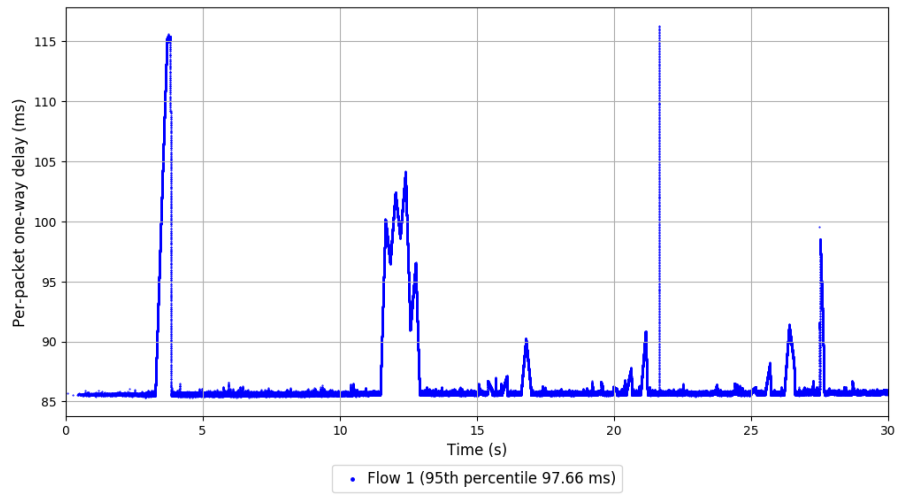
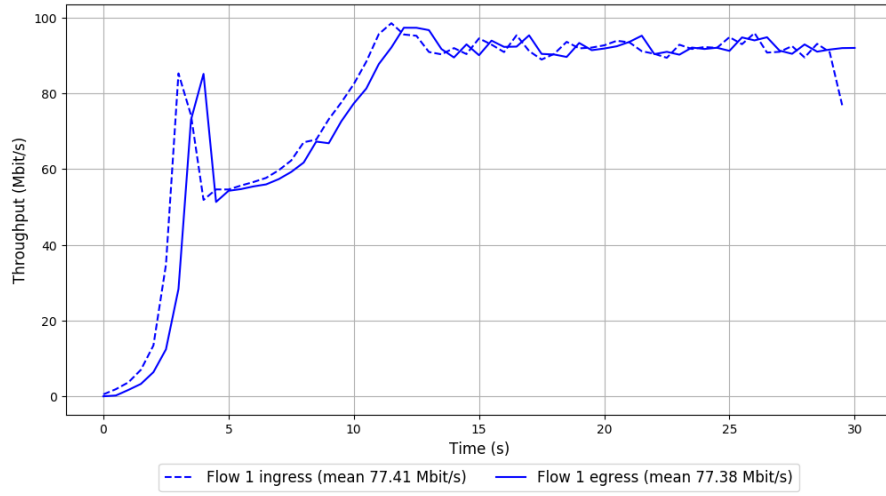
-- Flow 1:

Average throughput: 77.38 Mbit/s

95th percentile per-packet one-way delay: 97.656 ms

Loss rate: 0.04%

### Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-05-29 21:03:46

End at: 2019-05-29 21:04:16

Local clock offset: -3.587 ms

Remote clock offset: 0.887 ms

# Below is generated by plot.py at 2019-05-29 21:45:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.05 Mbit/s

95th percentile per-packet one-way delay: 107.997 ms

Loss rate: 0.16%

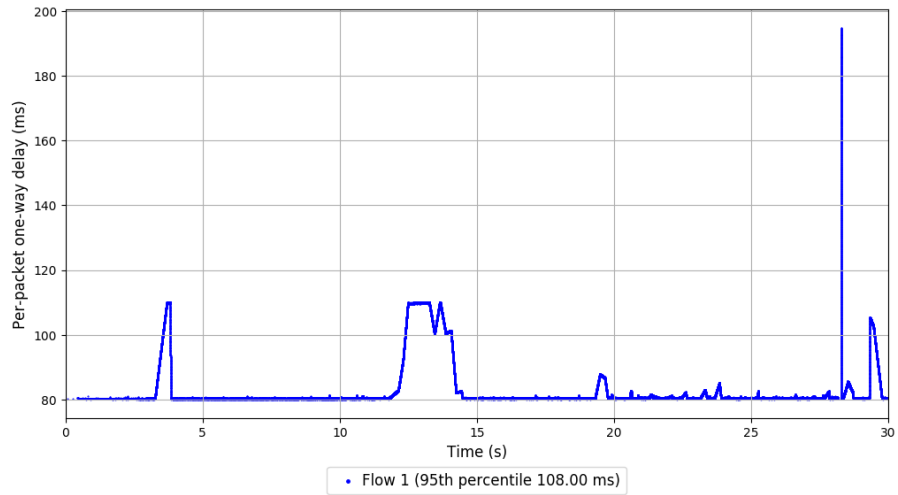
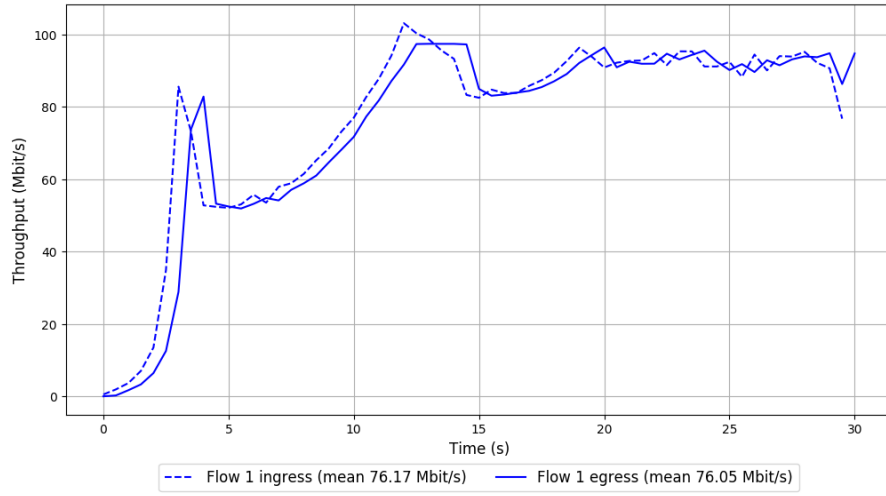
-- Flow 1:

Average throughput: 76.05 Mbit/s

95th percentile per-packet one-way delay: 107.997 ms

Loss rate: 0.16%

#### Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-05-29 21:28:26

End at: 2019-05-29 21:28:56

Local clock offset: -5.137 ms

Remote clock offset: 5.273 ms

# Below is generated by plot.py at 2019-05-29 21:45:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.54 Mbit/s

95th percentile per-packet one-way delay: 95.653 ms

Loss rate: 0.03%

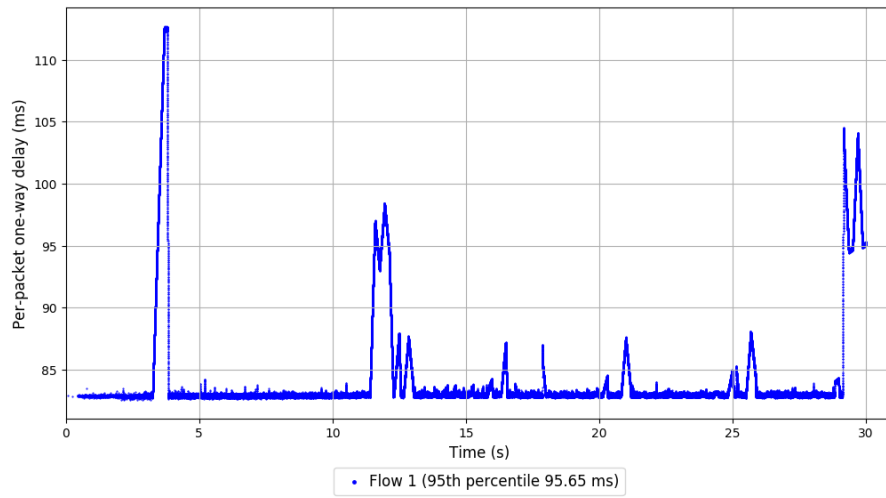
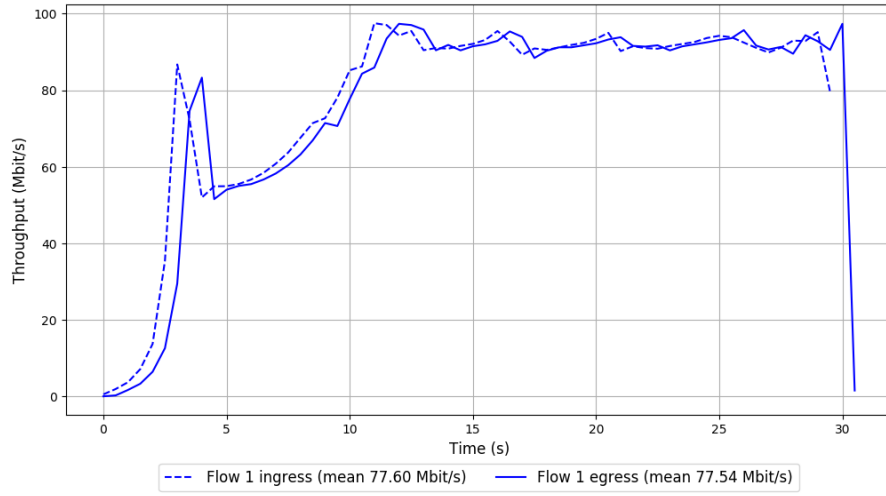
-- Flow 1:

Average throughput: 77.54 Mbit/s

95th percentile per-packet one-way delay: 95.653 ms

Loss rate: 0.03%

Run 5: Report of PCC-Vivace — Data Link





Run 1: Statistics of WebRTC media

Start at: 2019-05-29 19:39:38

End at: 2019-05-29 19:40:08

Local clock offset: -8.797 ms

Remote clock offset: 8.404 ms

# Below is generated by plot.py at 2019-05-29 21:45:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 85.615 ms

Loss rate: 0.00%

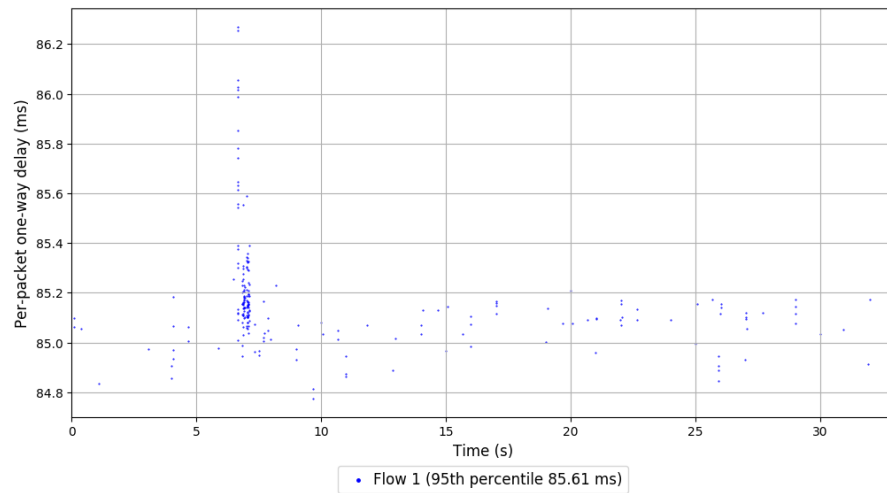
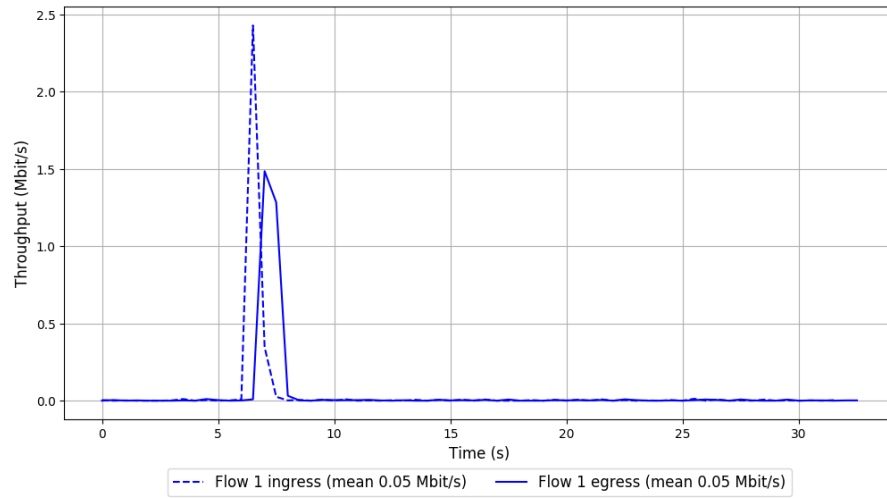
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 85.615 ms

Loss rate: 0.00%

### Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-05-29 20:04:36

End at: 2019-05-29 20:05:06

Local clock offset: -6.398 ms

Remote clock offset: 8.648 ms

# Below is generated by plot.py at 2019-05-29 21:45:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 85.030 ms

Loss rate: 0.00%

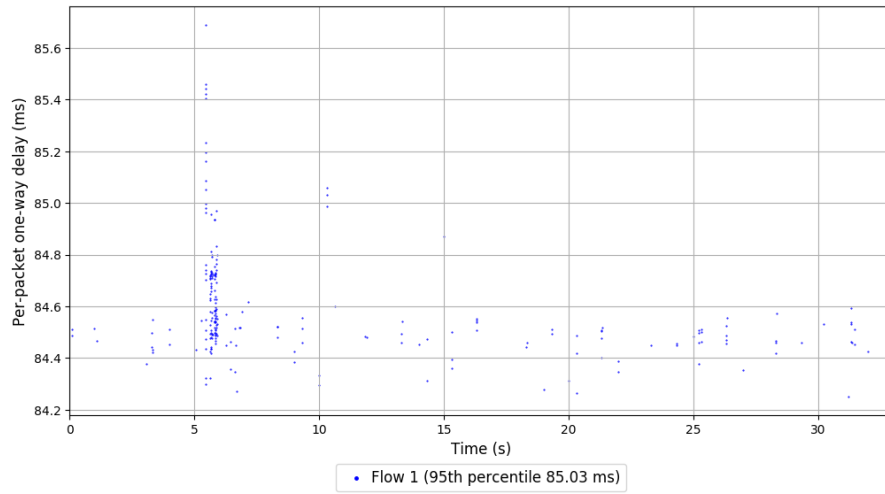
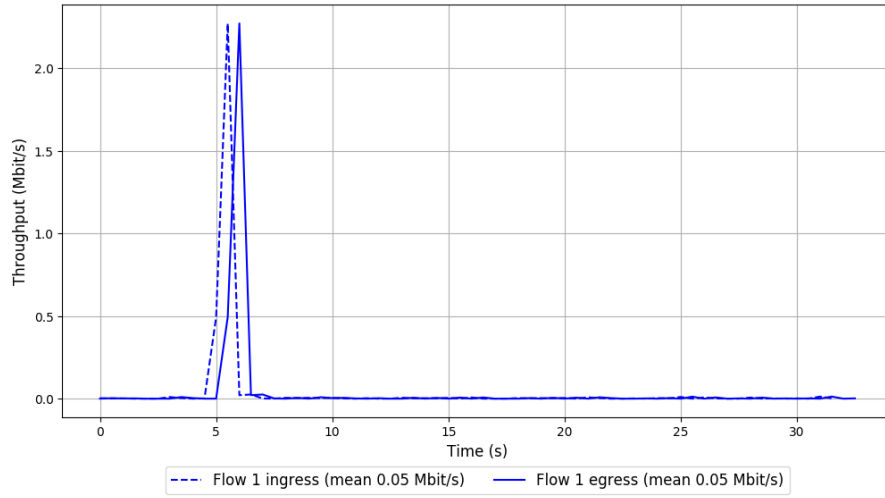
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 85.030 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-05-29 20:29:50

End at: 2019-05-29 20:30:20

Local clock offset: -5.442 ms

Remote clock offset: 1.809 ms

# Below is generated by plot.py at 2019-05-29 21:45:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 79.079 ms

Loss rate: 0.00%

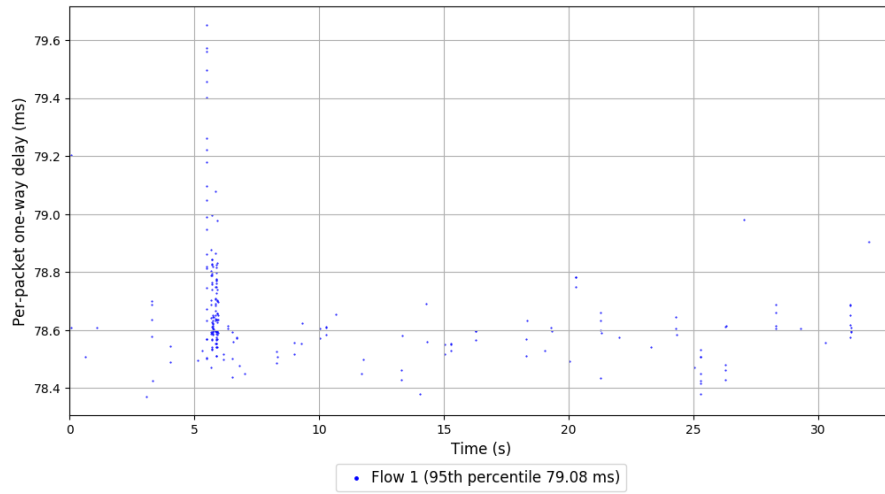
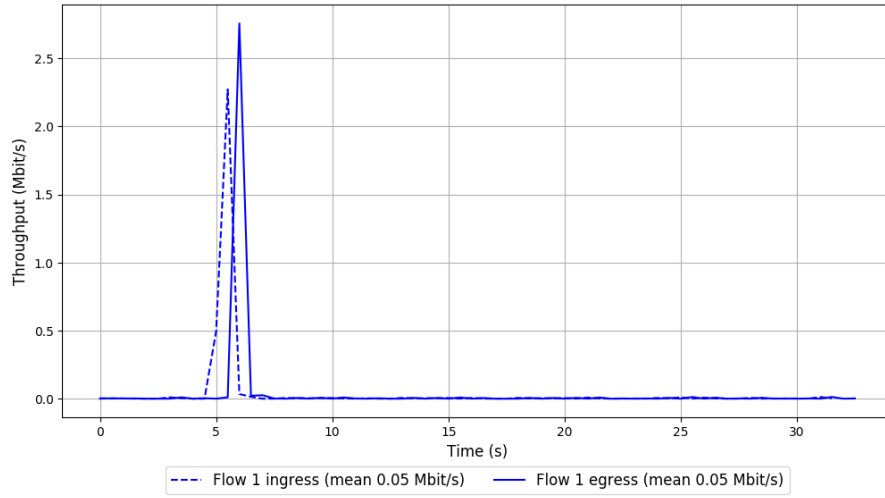
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 79.079 ms

Loss rate: 0.00%

### Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-05-29 20:56:47

End at: 2019-05-29 20:57:17

Local clock offset: -3.622 ms

Remote clock offset: -0.91 ms

# Below is generated by plot.py at 2019-05-29 21:45:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 78.371 ms

Loss rate: 0.00%

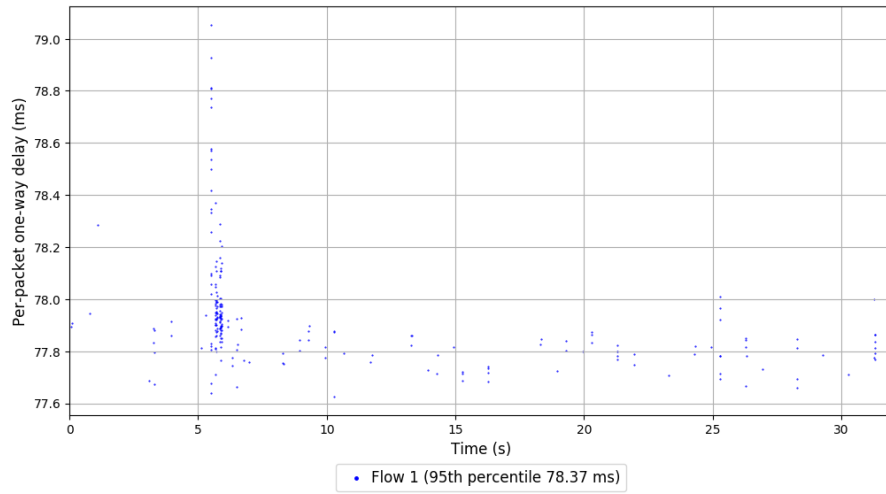
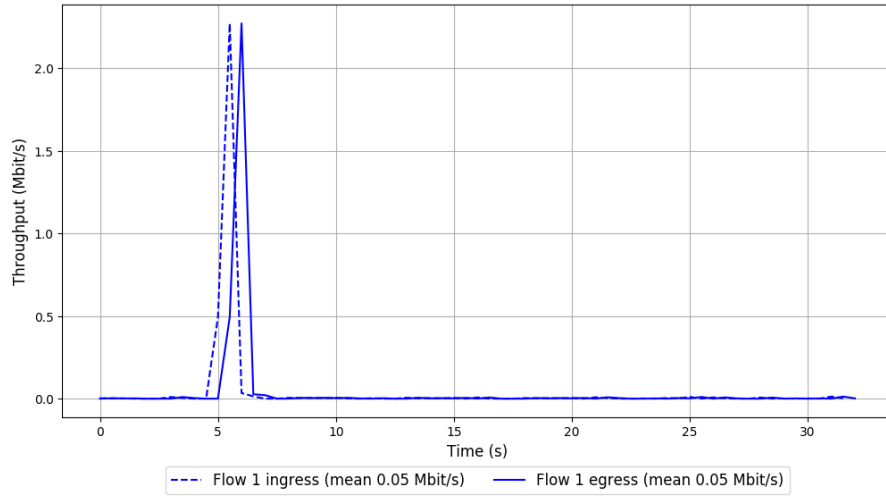
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 78.371 ms

Loss rate: 0.00%

### Run 4: Report of WebRTC media — Data Link





Run 5: Statistics of WebRTC media

Start at: 2019-05-29 21:21:29

End at: 2019-05-29 21:21:59

Local clock offset: -5.759 ms

Remote clock offset: 6.62 ms

# Below is generated by plot.py at 2019-05-29 21:45:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 87.022 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 87.022 ms

Loss rate: 0.00%

### Run 5: Report of WebRTC media — Data Link

