

## Pantheon Report

Generated at 2019-01-21 08:10:38 (UTC).

Data path: AWS California 1 on `ens5` (*local*) → Stanford on `eno1` (*remote*).

Repeated the test of 21 congestion control schemes 5 times.

Each test lasted for 30 seconds running 1 flow.

NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

### System info:

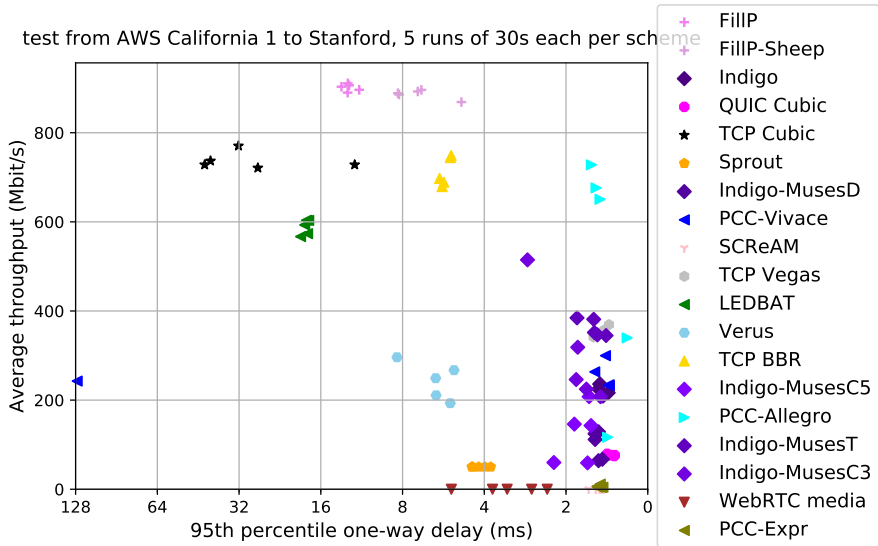
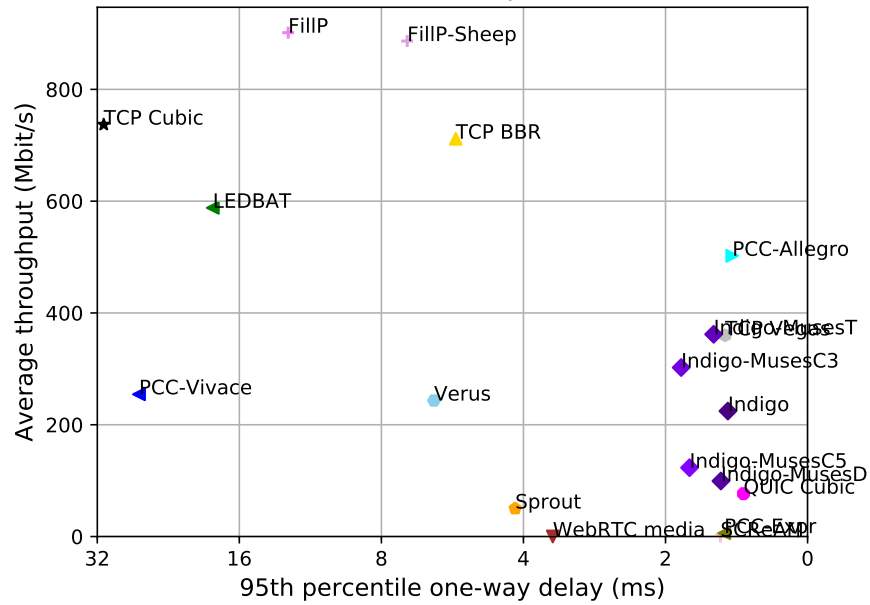
```
Linux 4.15.0-1031-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

### Git summary:

```
branch: muses @ 89d24e57783e7fbfec537a619071de937b639e38
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 1ddcff131048c6962f123bcd22b4d166a422adde
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 California 1 to Stanford, 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	711.70	5.57	0.01
Copa	0	N/A	N/A	N/A
TCP Cubic	5	736.96	31.01	0.06
FillP	5	901.39	12.61	3.33
FillP-Sheep	5	886.44	7.05	2.16
Indigo	5	224.46	1.12	0.00
Indigo-MusesC3	5	302.35	1.78	0.01
Indigo-MusesC5	5	123.15	1.66	0.02
Indigo-MusesD	5	99.33	1.22	0.00
Indigo-MusesT	5	361.79	1.32	0.00
LEDBAT	5	588.06	18.21	0.05
PCC-Allegro	5	502.20	1.06	0.01
PCC-Expr	5	6.11	1.17	13.09
QUIC Cubic	5	76.68	0.90	0.00
SCReAM	5	0.22	1.23	0.00
Sprout	5	50.11	4.16	0.00
TaoVA-100x	0	N/A	N/A	N/A
TCP Vegas	5	359.90	1.16	0.00
Verus	5	243.28	6.19	0.53
PCC-Vivace	5	254.48	26.11	0.43
WebRTC media	5	0.05	3.47	0.00



Run 1: Statistics of TCP BBR

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

End at: 2019-01-21 05:01:59

Local clock offset: 3.933 ms

Remote clock offset: -4.603 ms

# Below is generated by plot.py at 2019-01-21 07:31:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 744.27 Mbit/s

95th percentile per-packet one-way delay: 5.332 ms

Loss rate: 0.01%

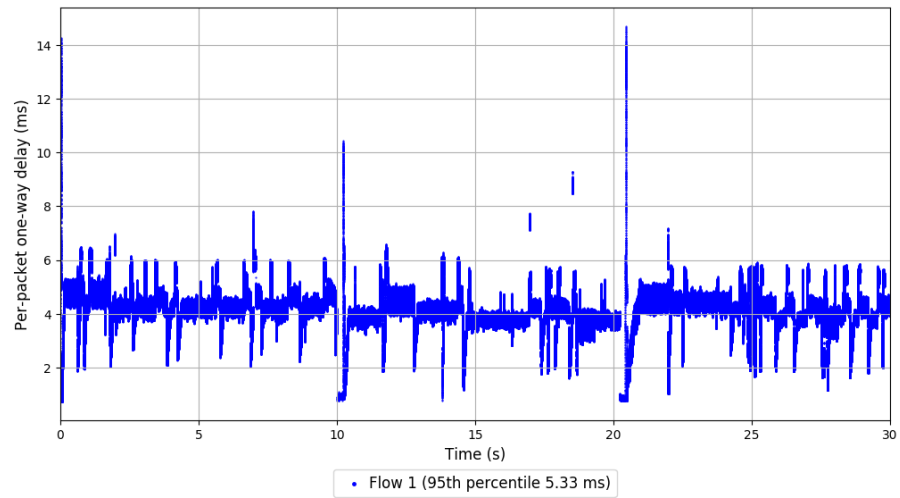
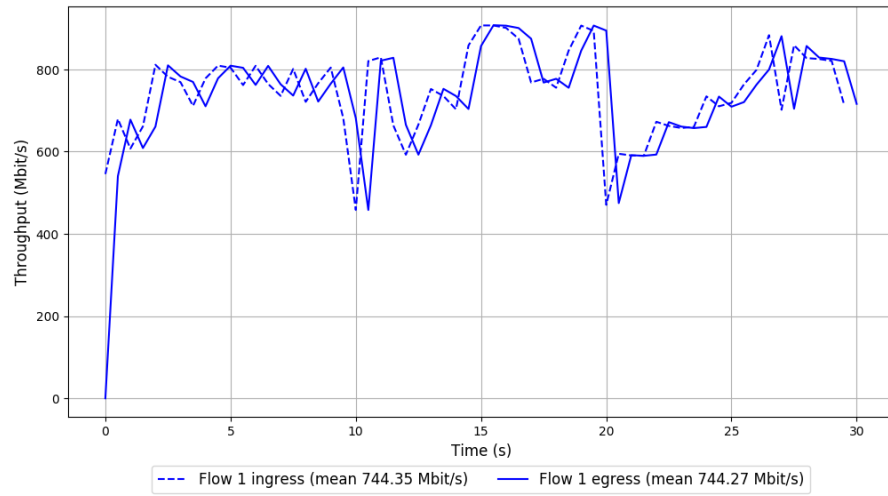
-- Flow 1:

Average throughput: 744.27 Mbit/s

95th percentile per-packet one-way delay: 5.332 ms

Loss rate: 0.01%

# Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-01-21 05:30:32

End at: 2019-01-21 05:31:02

Local clock offset: 3.707 ms

Remote clock offset: -6.021 ms

# Below is generated by plot.py at 2019-01-21 07:31:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 689.03 Mbit/s

95th percentile per-packet one-way delay: 5.640 ms

Loss rate: 0.02%

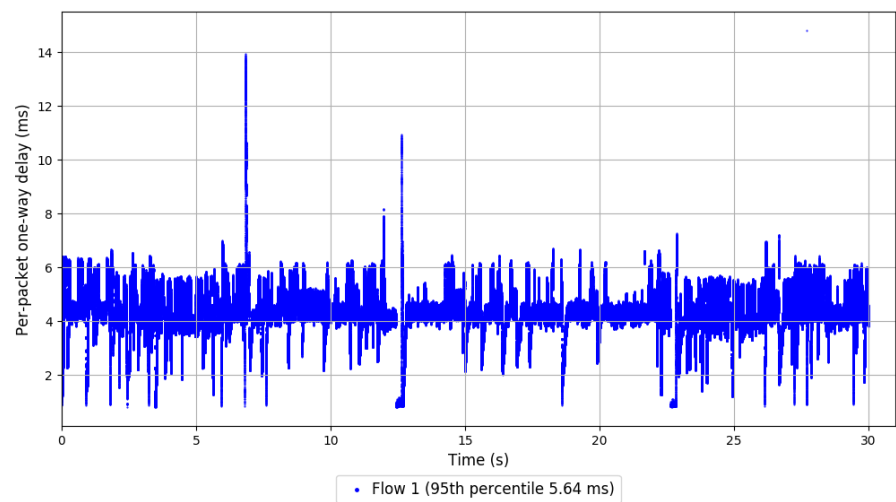
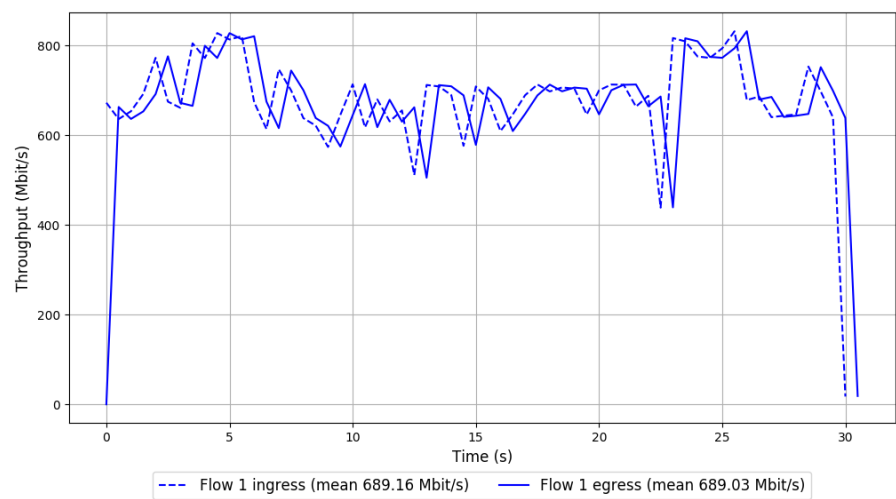
-- Flow 1:

Average throughput: 689.03 Mbit/s

95th percentile per-packet one-way delay: 5.640 ms

Loss rate: 0.02%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-01-21 05:59:18

End at: 2019-01-21 05:59:48

Local clock offset: 3.02 ms

Remote clock offset: 4.964 ms

# Below is generated by plot.py at 2019-01-21 07:31:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 679.19 Mbit/s

95th percentile per-packet one-way delay: 5.719 ms

Loss rate: 0.01%

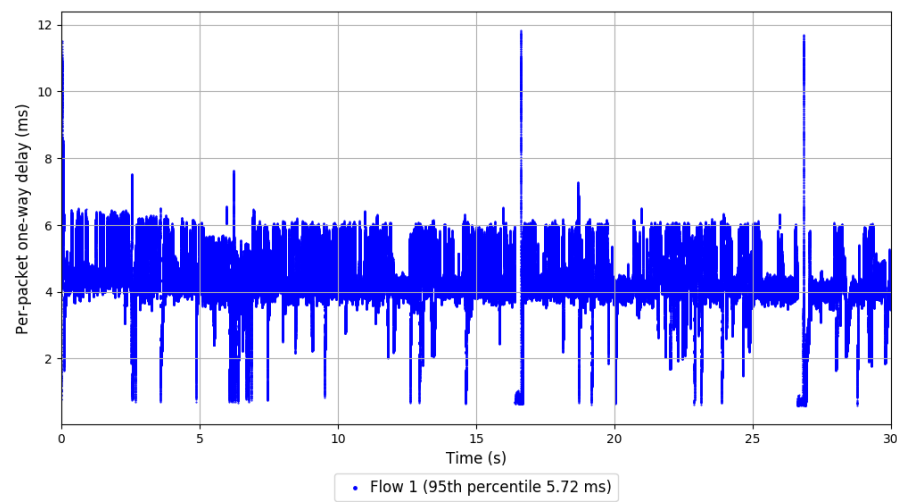
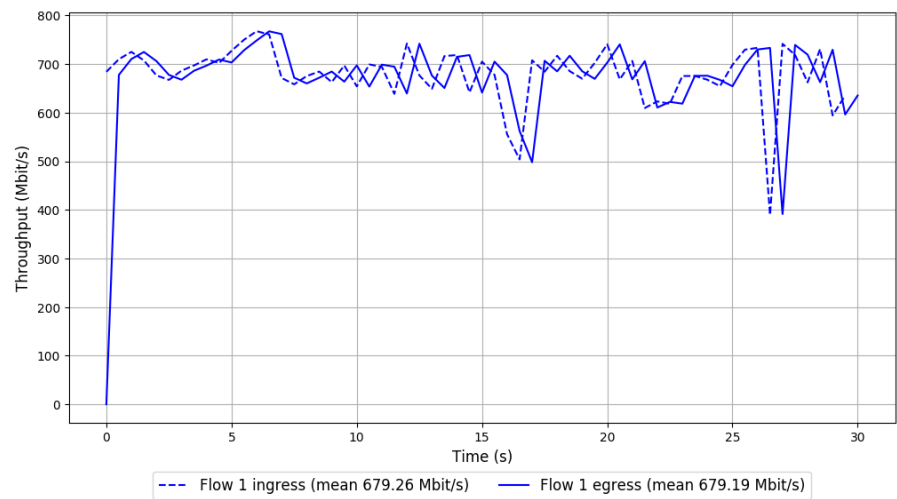
-- Flow 1:

Average throughput: 679.19 Mbit/s

95th percentile per-packet one-way delay: 5.719 ms

Loss rate: 0.01%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-01-21 06:28:10

End at: 2019-01-21 06:28:40

Local clock offset: 3.058 ms

Remote clock offset: 9.133 ms

# Below is generated by plot.py at 2019-01-21 07:31:24

# Datalink statistics

-- Total of 1 flow:

Average throughput: 748.64 Mbit/s

95th percentile per-packet one-way delay: 5.296 ms

Loss rate: 0.01%

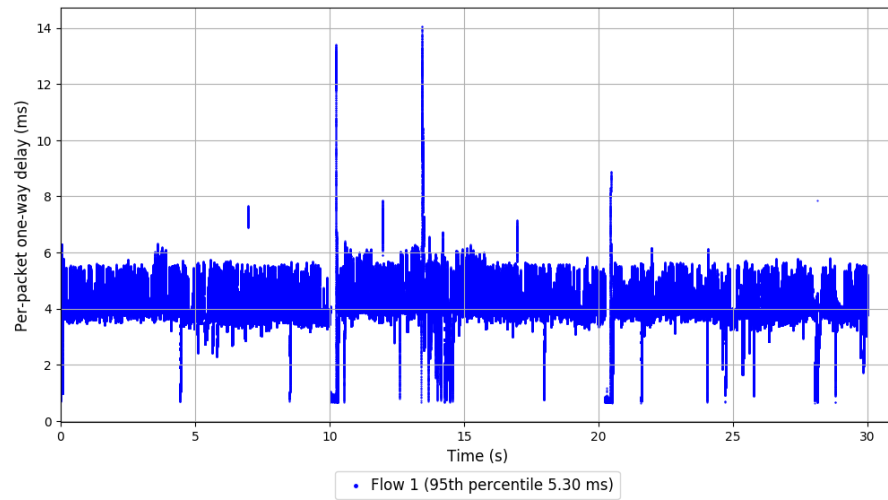
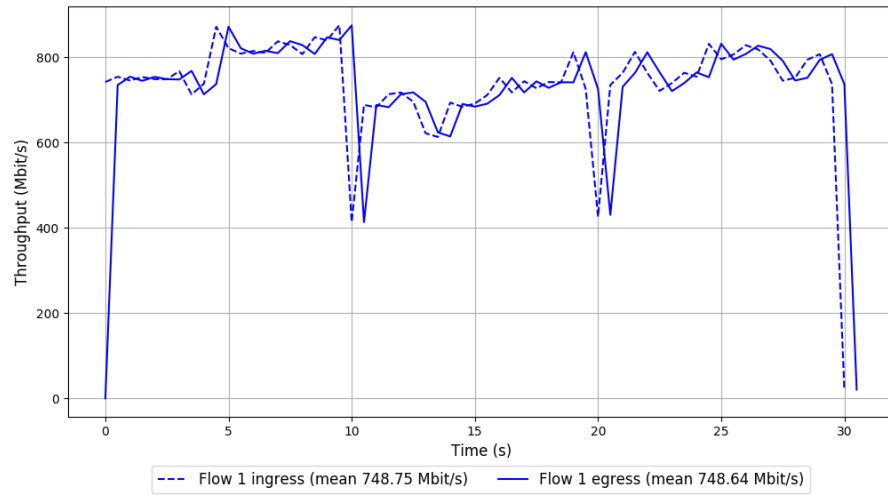
-- Flow 1:

Average throughput: 748.64 Mbit/s

95th percentile per-packet one-way delay: 5.296 ms

Loss rate: 0.01%

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





Run 5: Statistics of TCP BBR

Start at: 2019-01-21 06:57:12

End at: 2019-01-21 06:57:42

Local clock offset: 2.821 ms

Remote clock offset: 2.481 ms

# Below is generated by plot.py at 2019-01-21 07:31:24

# Datalink statistics

-- Total of 1 flow:

Average throughput: 697.35 Mbit/s

95th percentile per-packet one-way delay: 5.842 ms

Loss rate: 0.02%

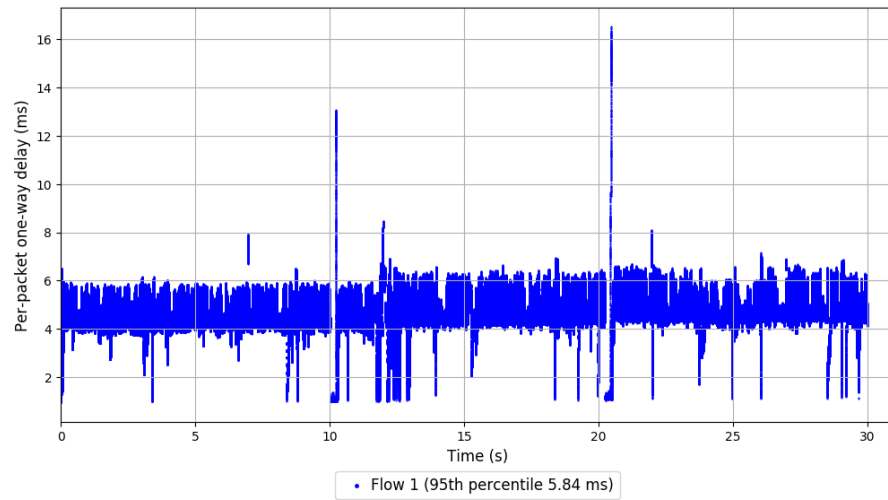
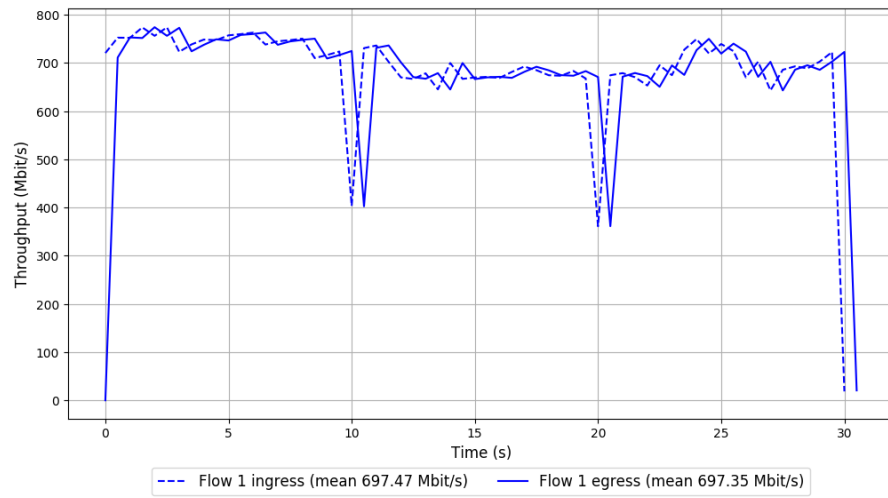
-- Flow 1:

Average throughput: 697.35 Mbit/s

95th percentile per-packet one-way delay: 5.842 ms

Loss rate: 0.02%

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



Run 1: Statistics of Copa

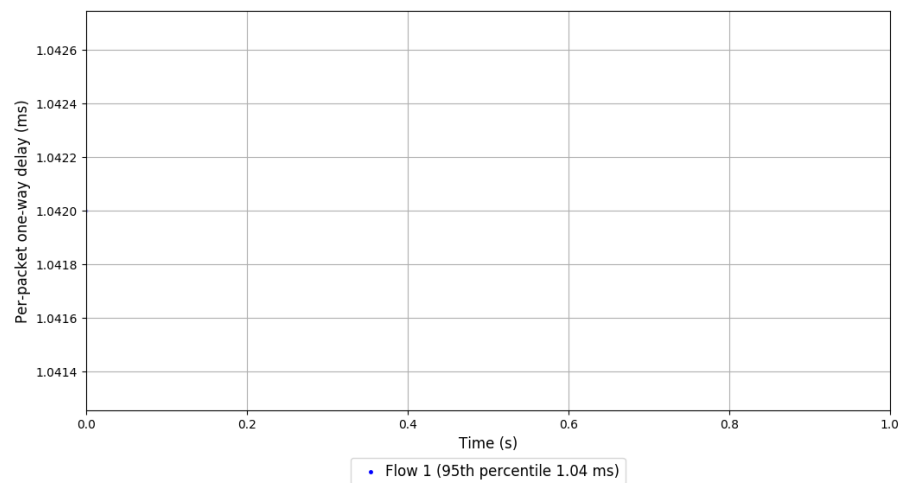
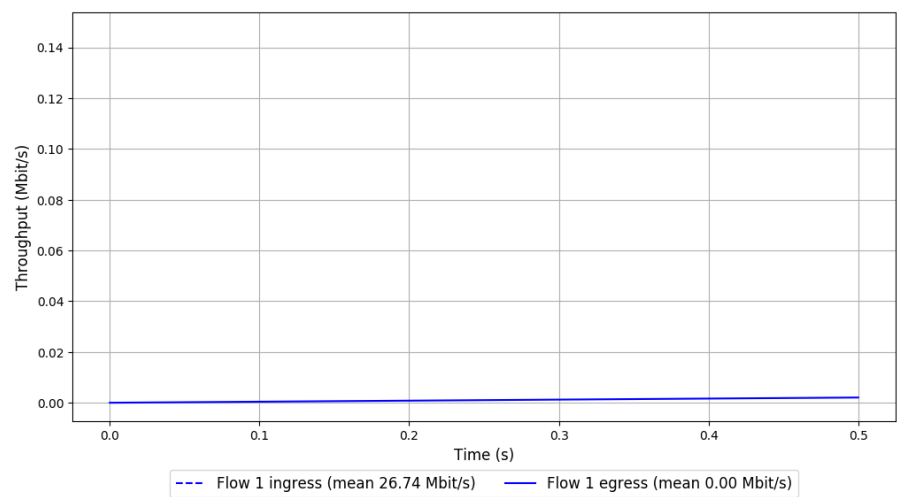
Start at: 2019-01-21 05:08:27

End at: 2019-01-21 05:08:57

Local clock offset: 3.959 ms

Remote clock offset: -4.964 ms

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

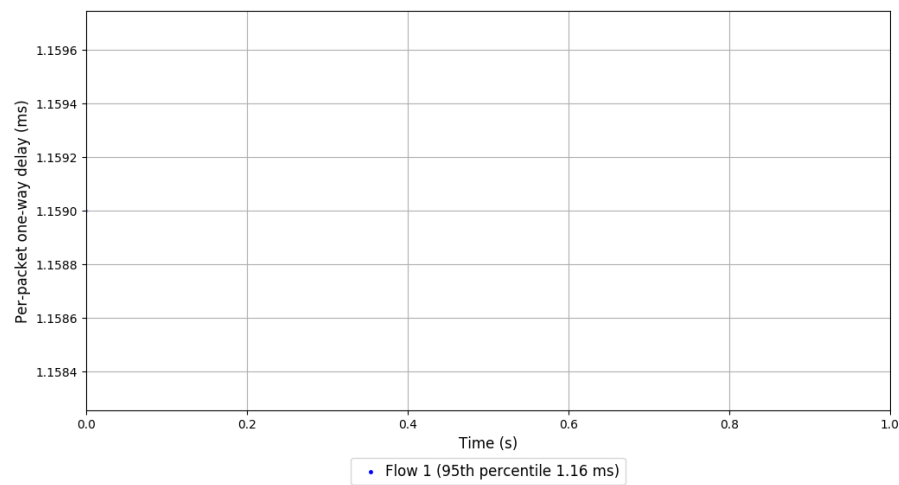
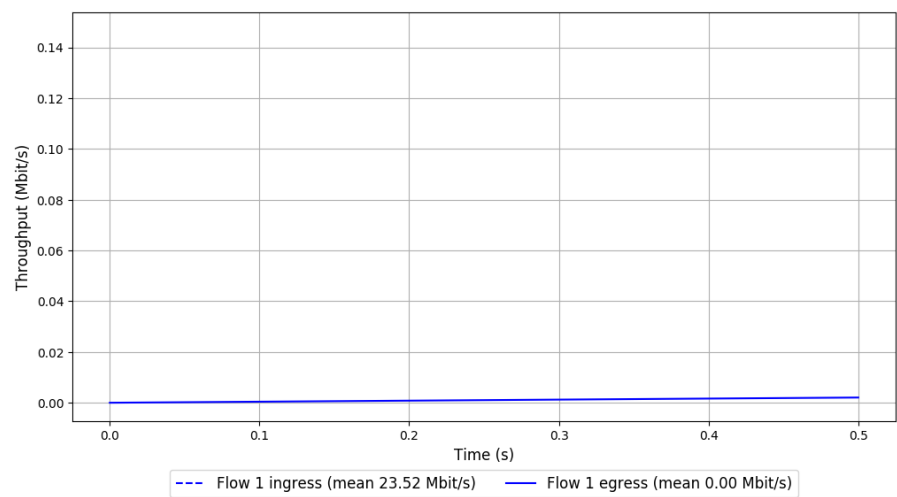
Start at: 2019-01-21 05:37:28

End at: 2019-01-21 05:37:58

Local clock offset: 3.73 ms

Remote clock offset: -6.397 ms

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

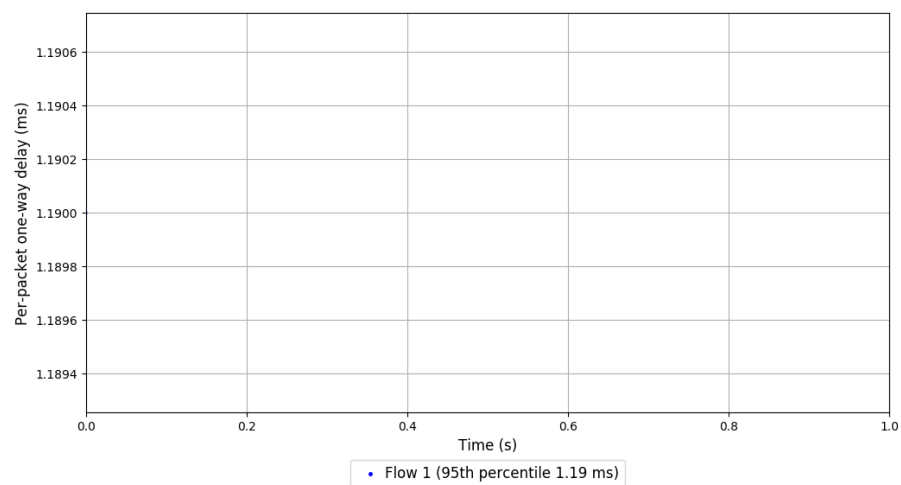
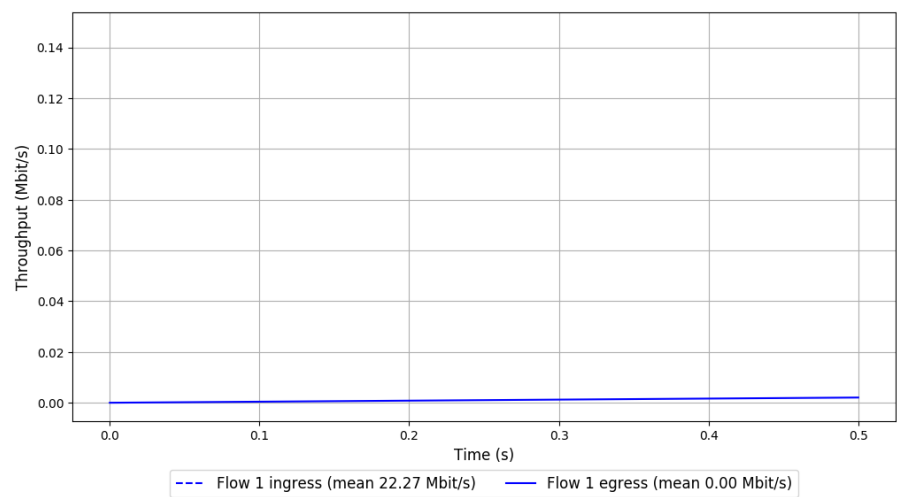
Start at: 2019-01-21 06:06:10

End at: 2019-01-21 06:06:40

Local clock offset: 2.832 ms

Remote clock offset: 6.152 ms

Run 3: Report of Copa — Data Link





Run 4: Statistics of Copa

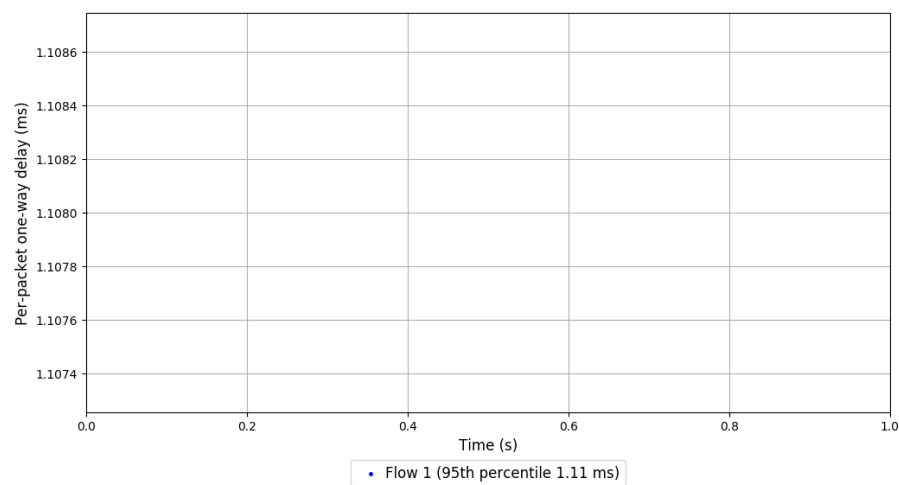
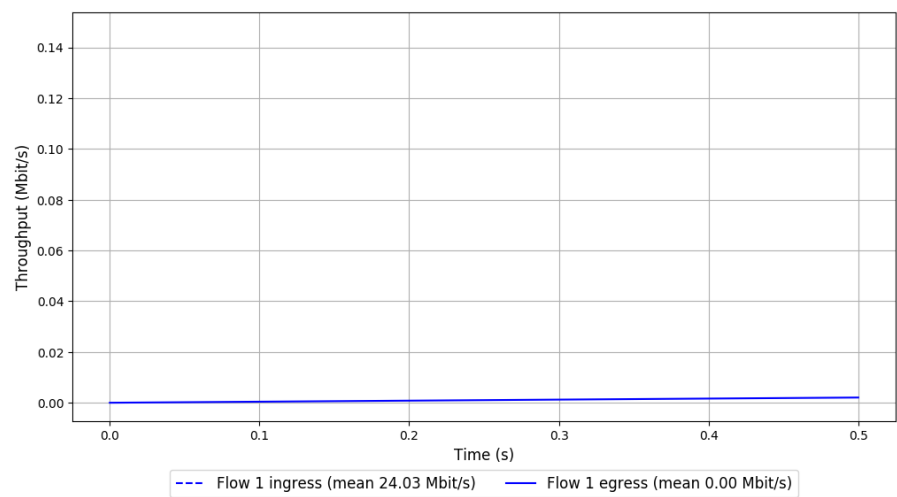
Start at: 2019-01-21 06:35:05

End at: 2019-01-21 06:35:35

Local clock offset: 3.193 ms

Remote clock offset: 10.054 ms

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

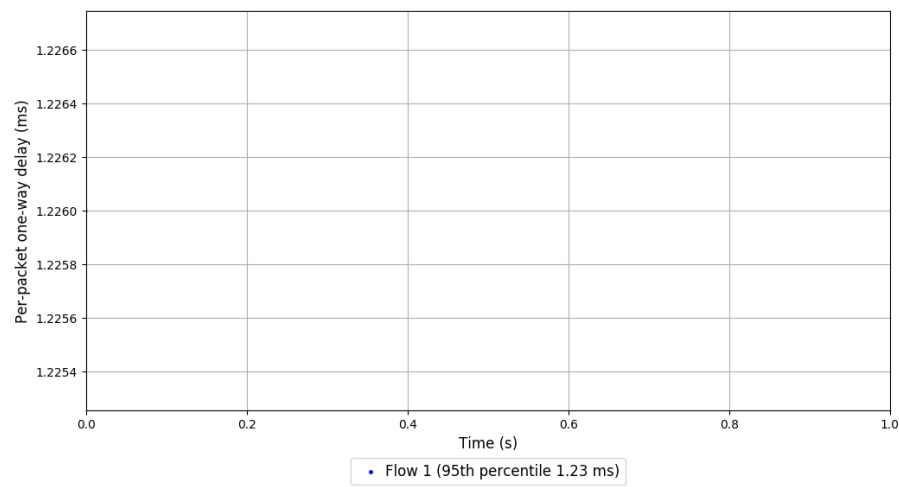
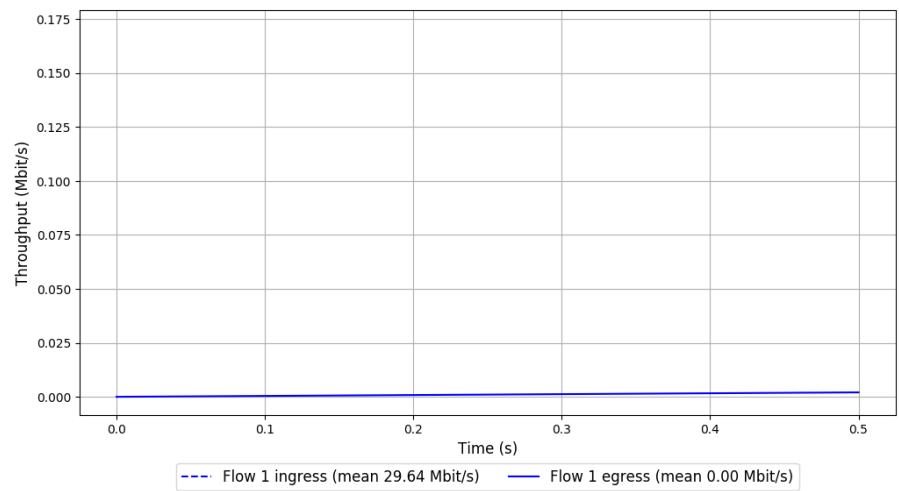
Start at: 2019-01-21 07:04:12

End at: 2019-01-21 07:04:42

Local clock offset: 2.642 ms

Remote clock offset: 0.228 ms

Run 5: Report of Copa — Data Link

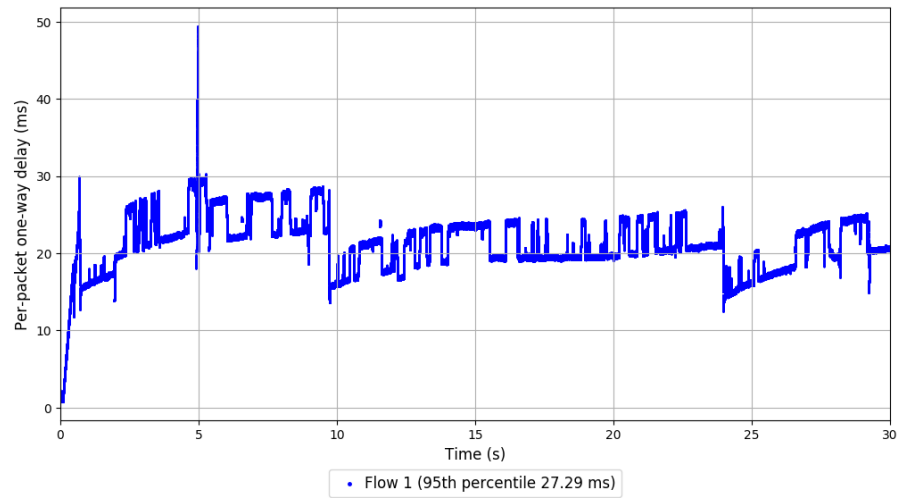
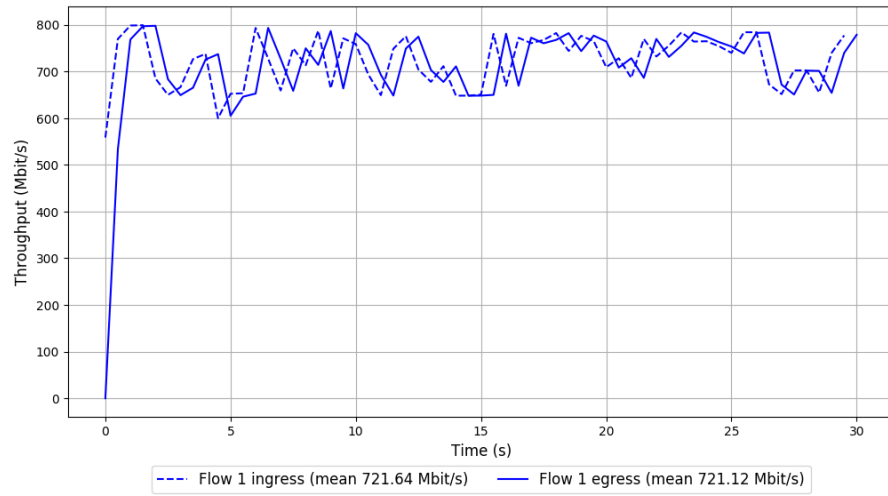


Run 1: Statistics of TCP Cubic

Start at: 2019-01-21 05:04:19  
End at: 2019-01-21 05:04:49  
Local clock offset: 3.919 ms  
Remote clock offset: -4.715 ms

# Below is generated by plot.py at 2019-01-21 07:31:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 721.12 Mbit/s  
95th percentile per-packet one-way delay: 27.290 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 721.12 Mbit/s  
95th percentile per-packet one-way delay: 27.290 ms  
Loss rate: 0.07%

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

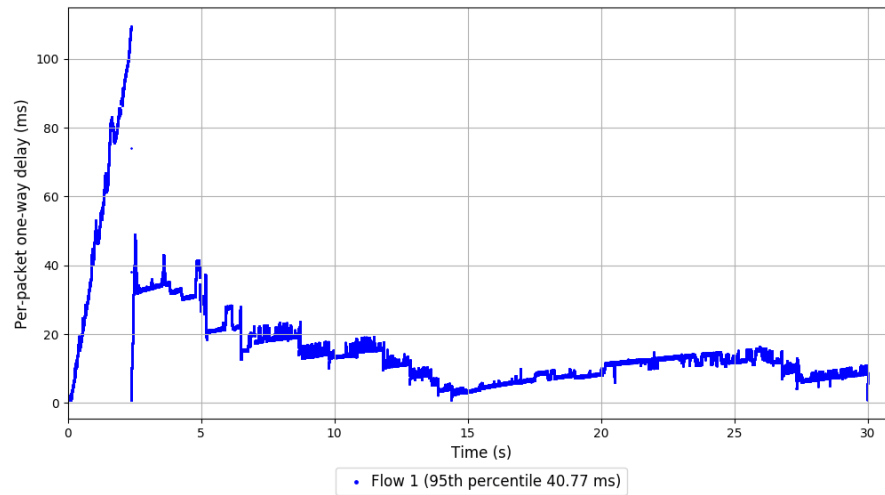
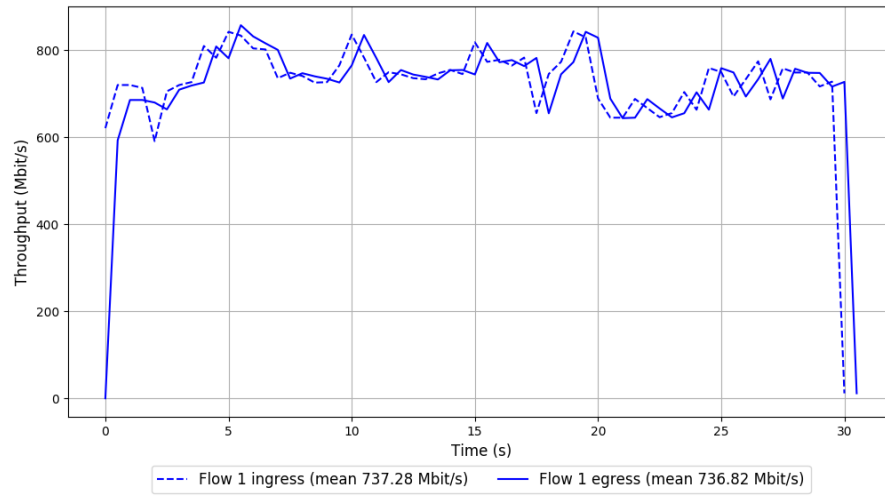


Run 2: Statistics of TCP Cubic

Start at: 2019-01-21 05:33:19  
End at: 2019-01-21 05:33:49  
Local clock offset: 3.704 ms  
Remote clock offset: -6.173 ms

# Below is generated by plot.py at 2019-01-21 07:31:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 736.82 Mbit/s  
95th percentile per-packet one-way delay: 40.771 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 736.82 Mbit/s  
95th percentile per-packet one-way delay: 40.771 ms  
Loss rate: 0.06%

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





Run 3: Statistics of TCP Cubic

Start at: 2019-01-21 06:02:05

End at: 2019-01-21 06:02:35

Local clock offset: 2.921 ms

Remote clock offset: 5.508 ms

# Below is generated by plot.py at 2019-01-21 07:31:24

# Datalink statistics

-- Total of 1 flow:

Average throughput: 728.17 Mbit/s

95th percentile per-packet one-way delay: 42.842 ms

Loss rate: 0.04%

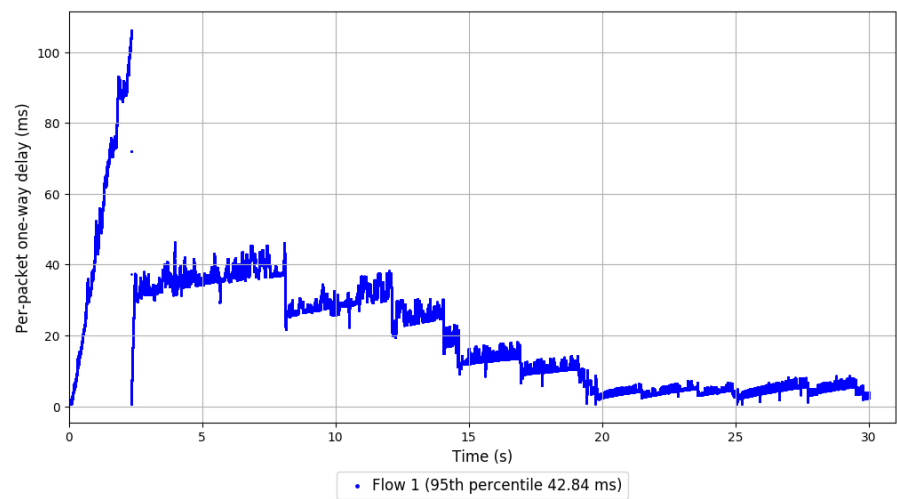
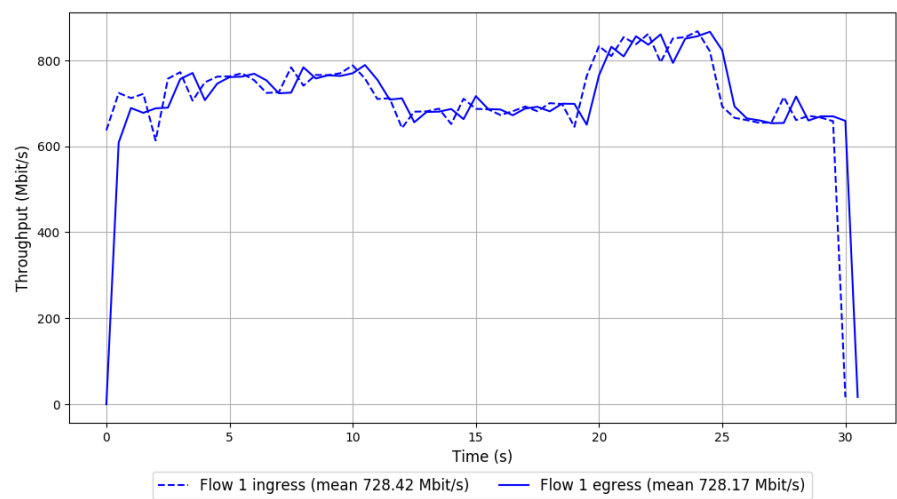
-- Flow 1:

Average throughput: 728.17 Mbit/s

95th percentile per-packet one-way delay: 42.842 ms

Loss rate: 0.04%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-01-21 06:30:59

End at: 2019-01-21 06:31:29

Local clock offset: 3.118 ms

Remote clock offset: 9.509 ms

# Below is generated by plot.py at 2019-01-21 07:37:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 728.17 Mbit/s

95th percentile per-packet one-way delay: 12.005 ms

Loss rate: 0.05%

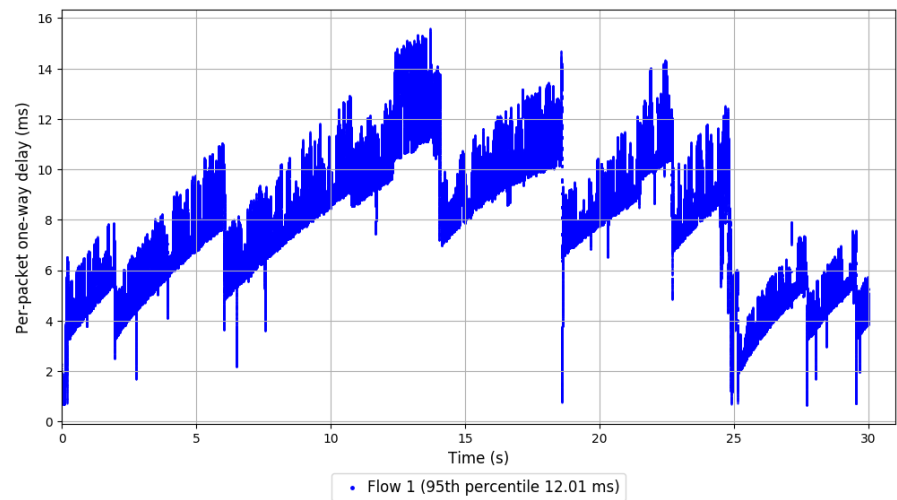
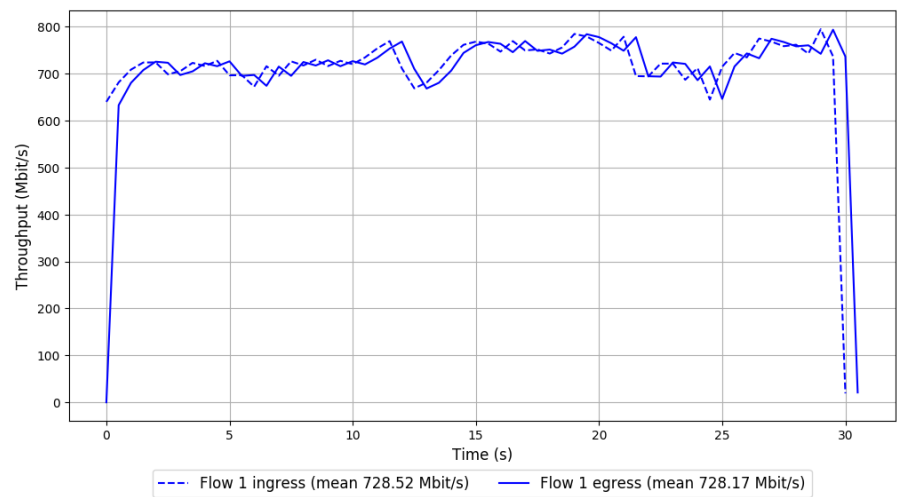
-- Flow 1:

Average throughput: 728.17 Mbit/s

95th percentile per-packet one-way delay: 12.005 ms

Loss rate: 0.05%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-01-21 07:00:00

End at: 2019-01-21 07:00:30

Local clock offset: 2.734 ms

Remote clock offset: 1.311 ms

# Below is generated by plot.py at 2019-01-21 07:37:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 770.53 Mbit/s

95th percentile per-packet one-way delay: 32.165 ms

Loss rate: 0.06%

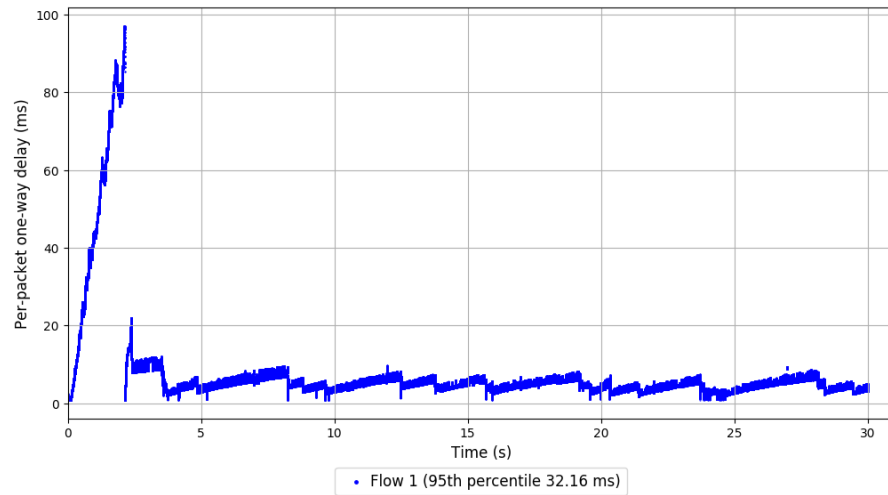
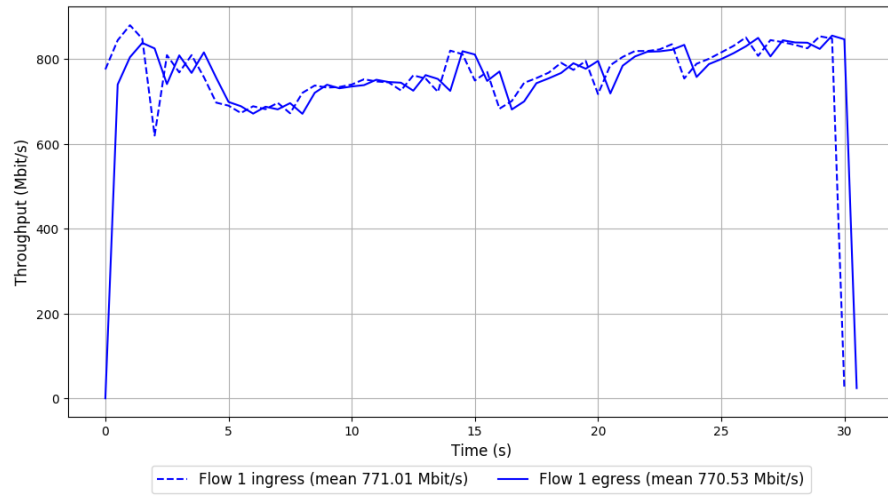
-- Flow 1:

Average throughput: 770.53 Mbit/s

95th percentile per-packet one-way delay: 32.165 ms

Loss rate: 0.06%

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

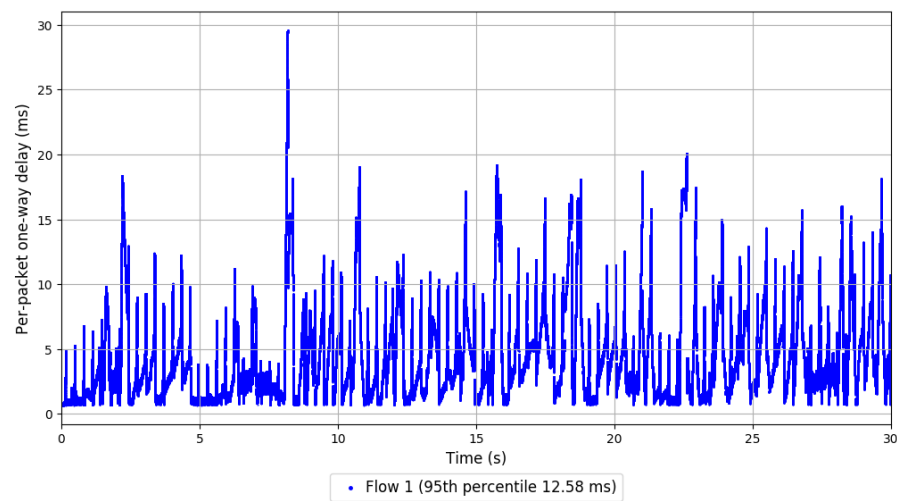
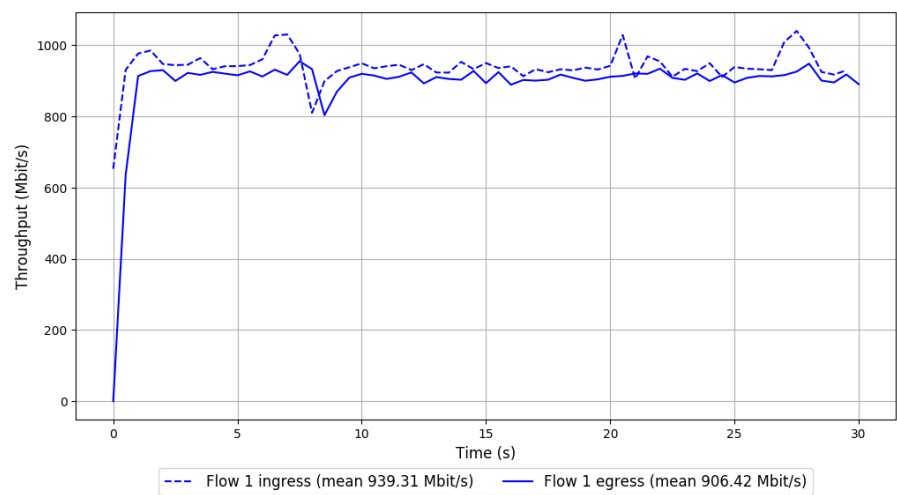


Run 1: Statistics of FillP

Start at: 2019-01-21 05:15:16  
End at: 2019-01-21 05:15:46  
Local clock offset: 4.068 ms  
Remote clock offset: -5.377 ms

# Below is generated by plot.py at 2019-01-21 07:42:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 906.42 Mbit/s  
95th percentile per-packet one-way delay: 12.578 ms  
Loss rate: 3.50%  
-- Flow 1:  
Average throughput: 906.42 Mbit/s  
95th percentile per-packet one-way delay: 12.578 ms  
Loss rate: 3.50%

Run 1: Report of FillP — Data Link



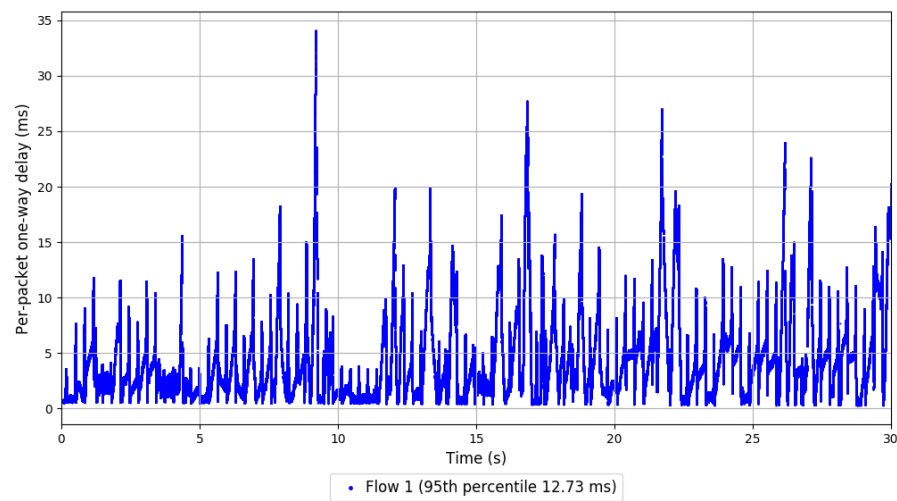
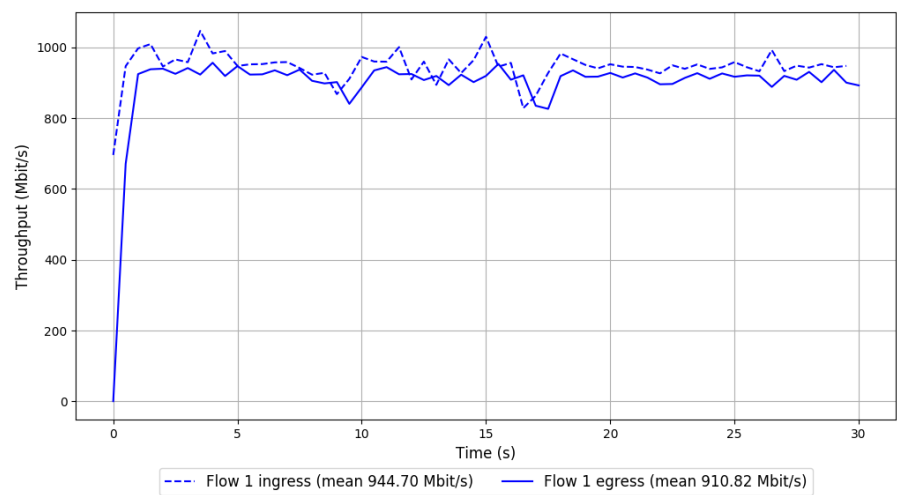


Run 2: Statistics of FillP

Start at: 2019-01-21 05:44:07  
End at: 2019-01-21 05:44:37  
Local clock offset: 3.817 ms  
Remote clock offset: -0.669 ms

# Below is generated by plot.py at 2019-01-21 07:42:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 910.82 Mbit/s  
95th percentile per-packet one-way delay: 12.728 ms  
Loss rate: 3.59%  
-- Flow 1:  
Average throughput: 910.82 Mbit/s  
95th percentile per-packet one-way delay: 12.728 ms  
Loss rate: 3.59%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-01-21 06:12:59

End at: 2019-01-21 06:13:29

Local clock offset: 2.735 ms

Remote clock offset: 7.208 ms

# Below is generated by plot.py at 2019-01-21 07:43:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 903.29 Mbit/s

95th percentile per-packet one-way delay: 13.433 ms

Loss rate: 3.92%

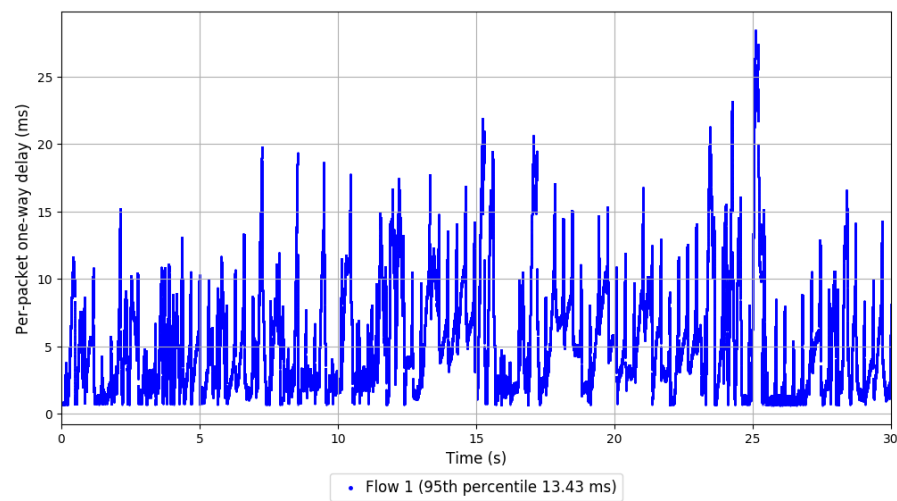
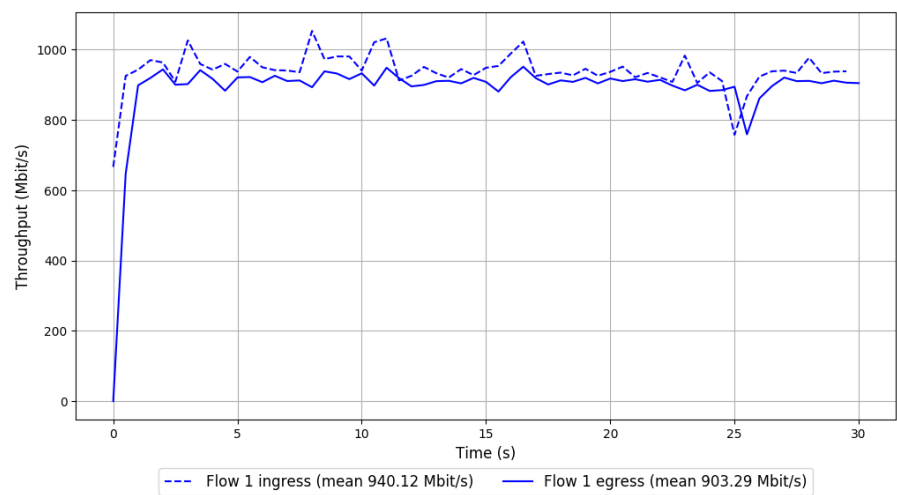
-- Flow 1:

Average throughput: 903.29 Mbit/s

95th percentile per-packet one-way delay: 13.433 ms

Loss rate: 3.92%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-01-21 06:42:01

End at: 2019-01-21 06:42:31

Local clock offset: 3.25 ms

Remote clock offset: 10.94 ms

# Below is generated by plot.py at 2019-01-21 07:43:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 896.35 Mbit/s

95th percentile per-packet one-way delay: 11.552 ms

Loss rate: 2.88%

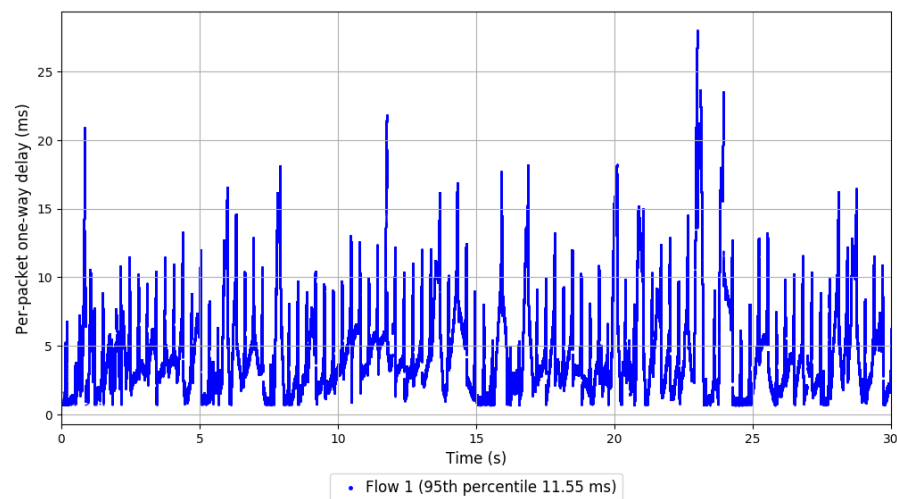
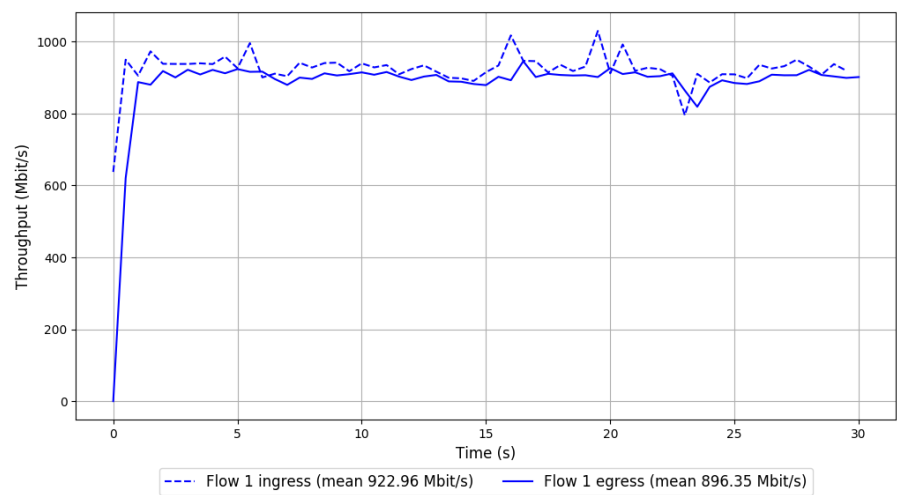
-- Flow 1:

Average throughput: 896.35 Mbit/s

95th percentile per-packet one-way delay: 11.552 ms

Loss rate: 2.88%

Run 4: Report of FillP — Data Link

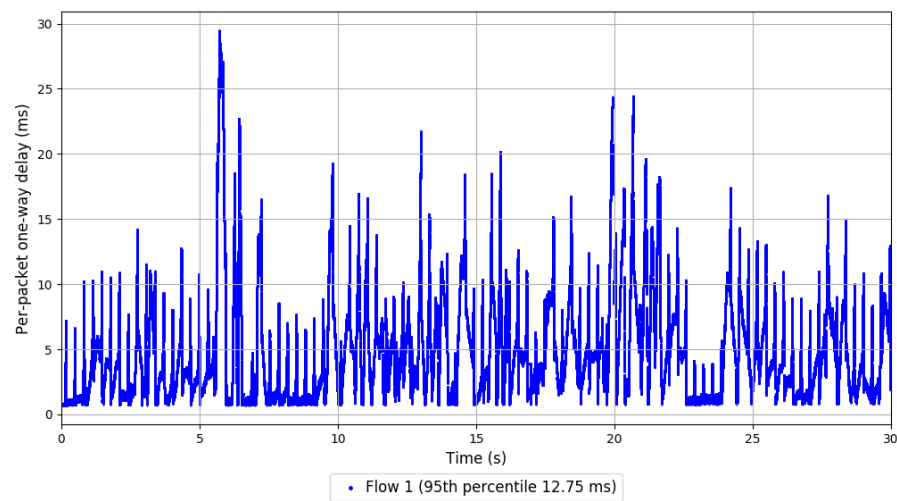
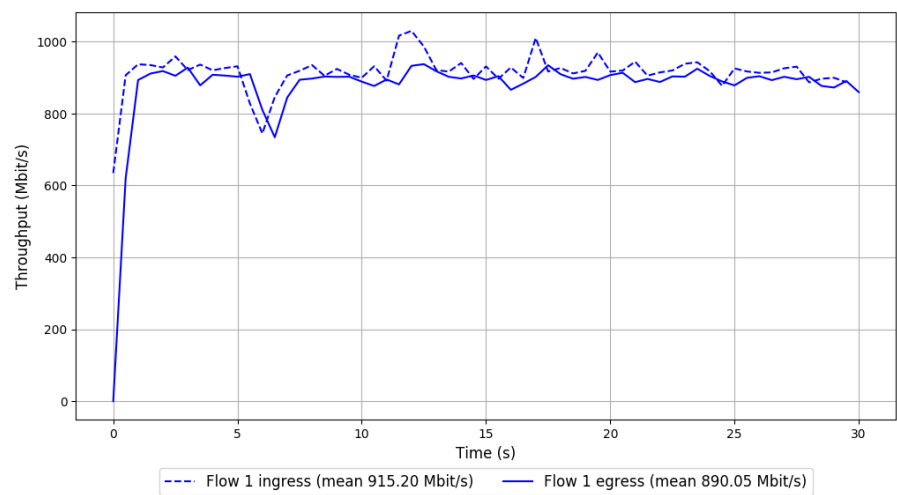


Run 5: Statistics of FillP

Start at: 2019-01-21 07:10:48  
End at: 2019-01-21 07:11:18  
Local clock offset: 2.546 ms  
Remote clock offset: -1.153 ms

# Below is generated by plot.py at 2019-01-21 07:43:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 890.05 Mbit/s  
95th percentile per-packet one-way delay: 12.747 ms  
Loss rate: 2.75%  
-- Flow 1:  
Average throughput: 890.05 Mbit/s  
95th percentile per-packet one-way delay: 12.747 ms  
Loss rate: 2.75%

Run 5: Report of FillP — Data Link



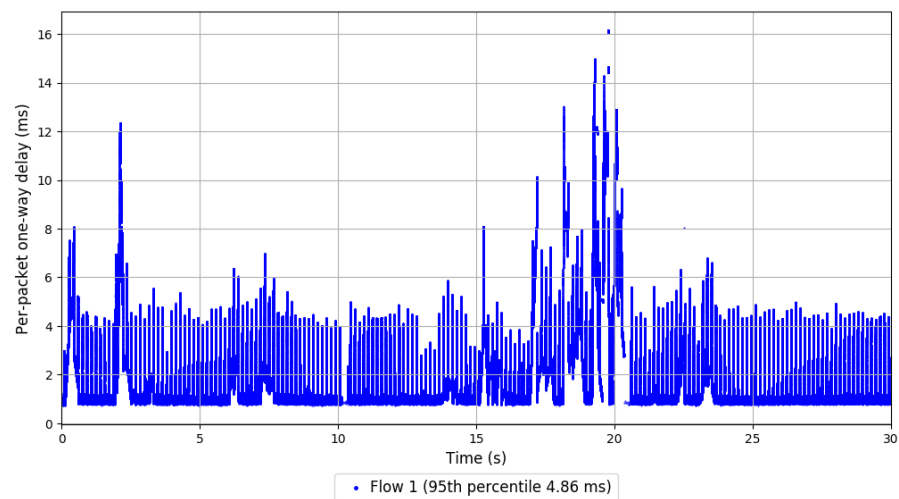
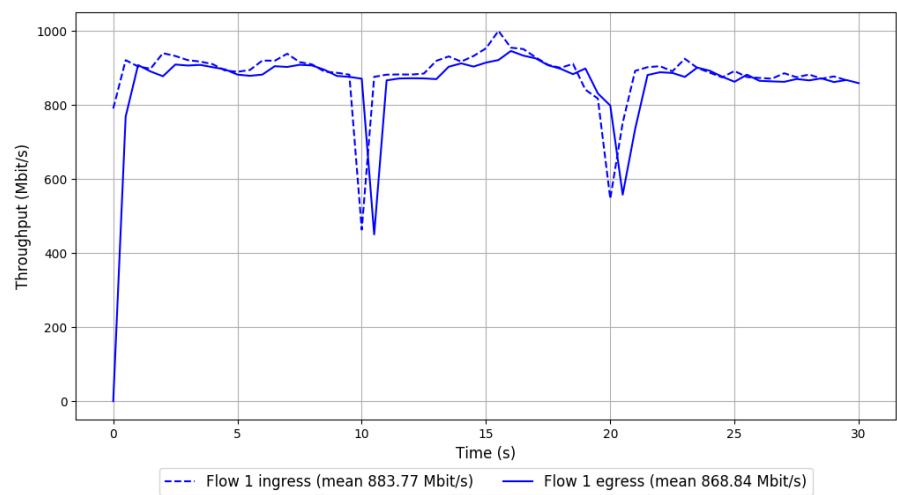


Run 1: Statistics of FillP-Sheep

Start at: 2019-01-21 04:57:05  
End at: 2019-01-21 04:57:35  
Local clock offset: 4.056 ms  
Remote clock offset: -4.251 ms

# Below is generated by plot.py at 2019-01-21 07:43:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 868.84 Mbit/s  
95th percentile per-packet one-way delay: 4.857 ms  
Loss rate: 1.69%  
-- Flow 1:  
Average throughput: 868.84 Mbit/s  
95th percentile per-packet one-way delay: 4.857 ms  
Loss rate: 1.69%

Run 1: Report of FillP-Sheep — Data Link

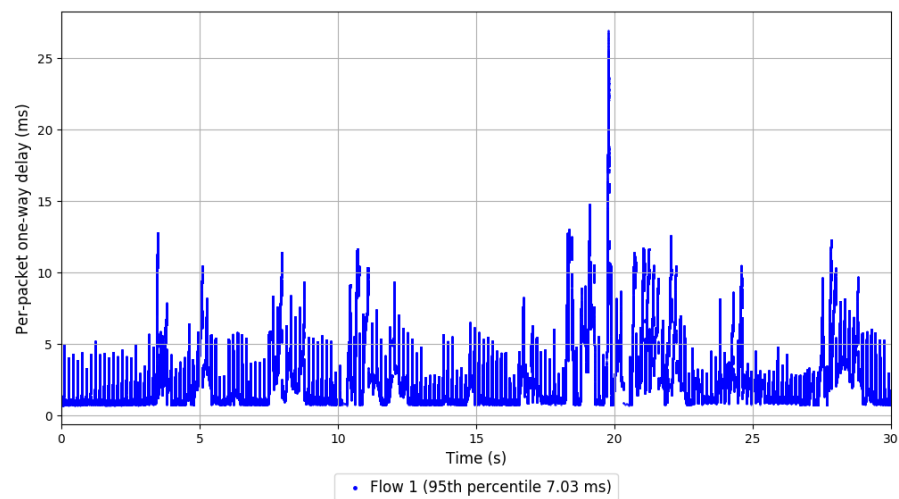
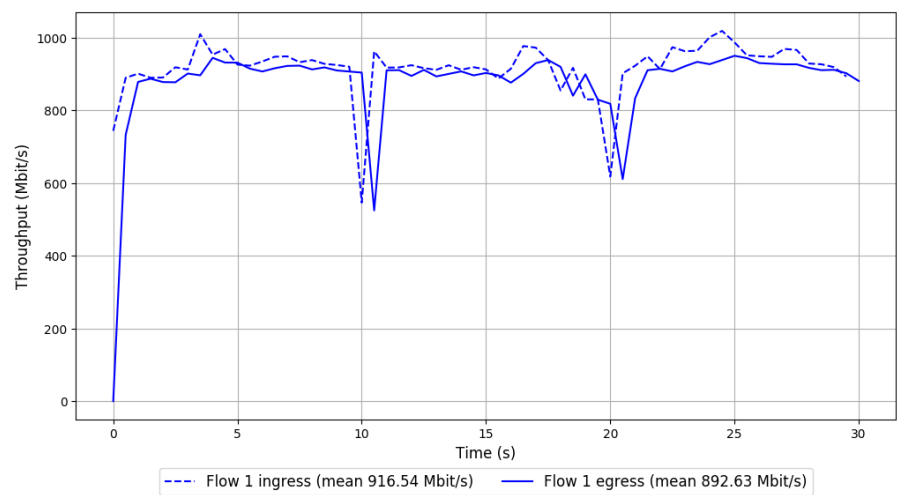


Run 2: Statistics of FillP-Sheep

Start at: 2019-01-21 05:26:06  
End at: 2019-01-21 05:26:36  
Local clock offset: 3.782 ms  
Remote clock offset: -5.867 ms

# Below is generated by plot.py at 2019-01-21 07:50:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 892.63 Mbit/s  
95th percentile per-packet one-way delay: 7.032 ms  
Loss rate: 2.61%  
-- Flow 1:  
Average throughput: 892.63 Mbit/s  
95th percentile per-packet one-way delay: 7.032 ms  
Loss rate: 2.61%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-01-21 05:54:57

End at: 2019-01-21 05:55:27

Local clock offset: 3.257 ms

Remote clock offset: 3.885 ms

# Below is generated by plot.py at 2019-01-21 07:50:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 896.16 Mbit/s

95th percentile per-packet one-way delay: 6.819 ms

Loss rate: 2.08%

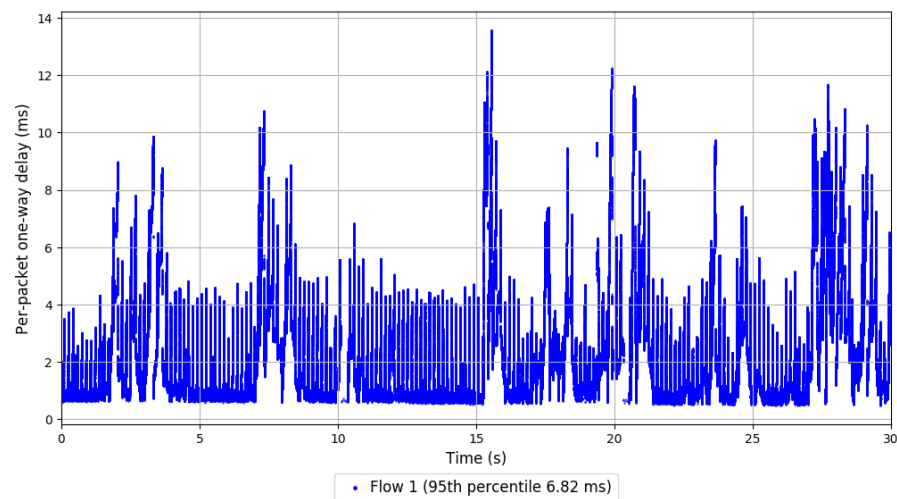
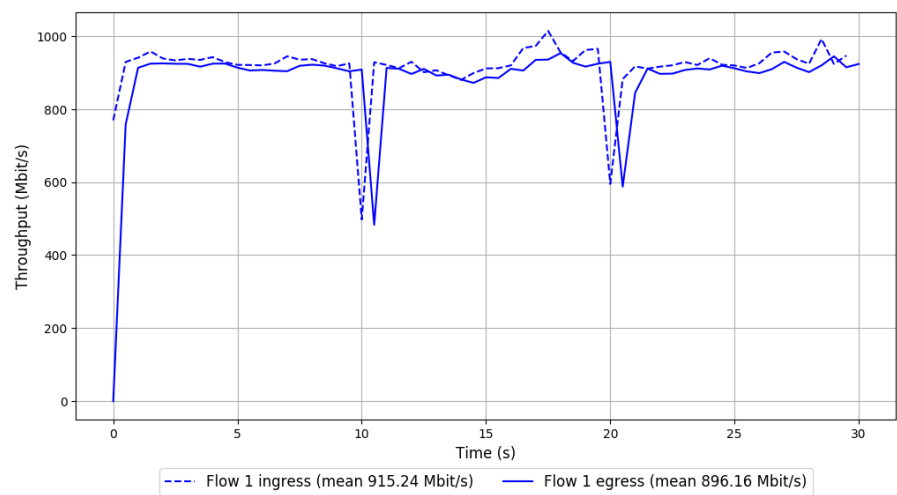
-- Flow 1:

Average throughput: 896.16 Mbit/s

95th percentile per-packet one-way delay: 6.819 ms

Loss rate: 2.08%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-01-21 06:23:45

End at: 2019-01-21 06:24:15

Local clock offset: 2.935 ms

Remote clock offset: 8.613 ms

# Below is generated by plot.py at 2019-01-21 07:54:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 888.71 Mbit/s

95th percentile per-packet one-way delay: 8.324 ms

Loss rate: 2.07%

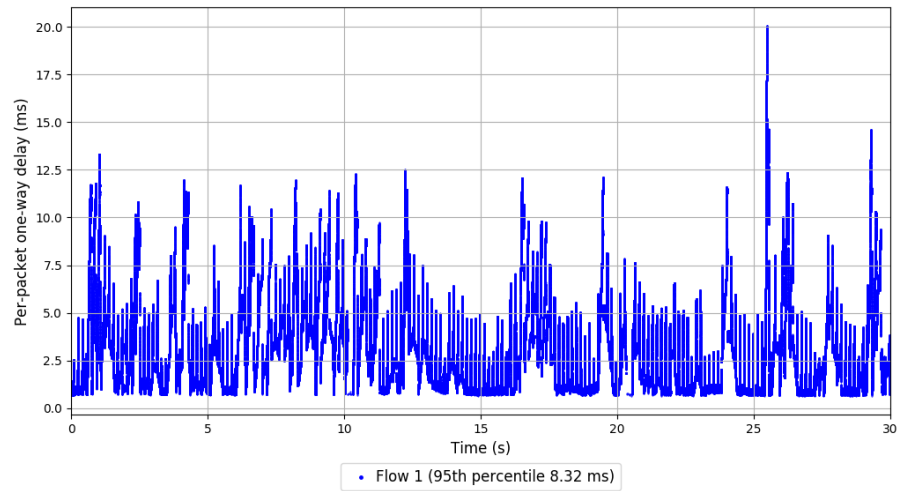
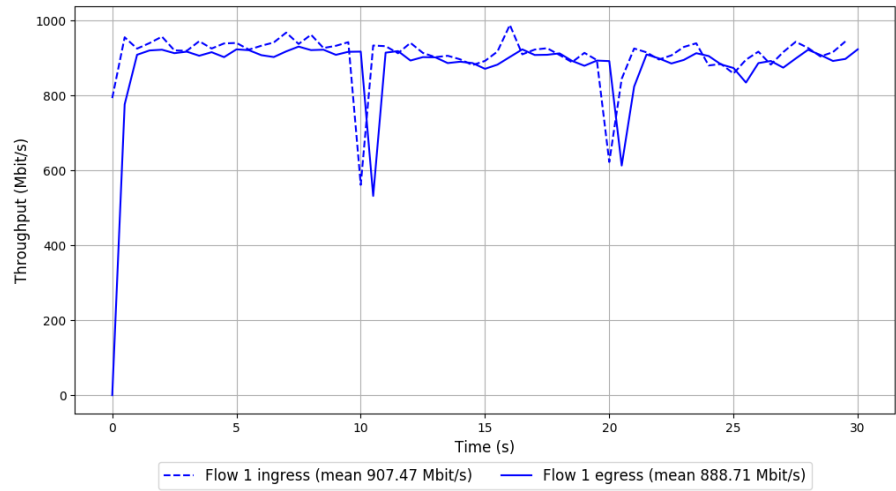
-- Flow 1:

Average throughput: 888.71 Mbit/s

95th percentile per-packet one-way delay: 8.324 ms

Loss rate: 2.07%

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





Run 5: Statistics of FillP-Sheep

Start at: 2019-01-21 06:52:48

End at: 2019-01-21 06:53:18

Local clock offset: 3.008 ms

Remote clock offset: 4.612 ms

# Below is generated by plot.py at 2019-01-21 07:54:52

# Datalink statistics

-- Total of 1 flow:

Average throughput: 885.85 Mbit/s

95th percentile per-packet one-way delay: 8.236 ms

Loss rate: 2.37%

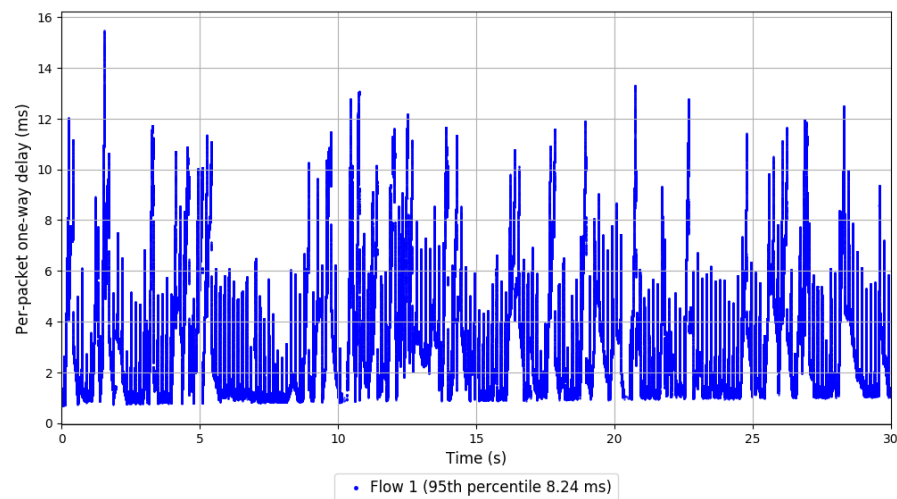
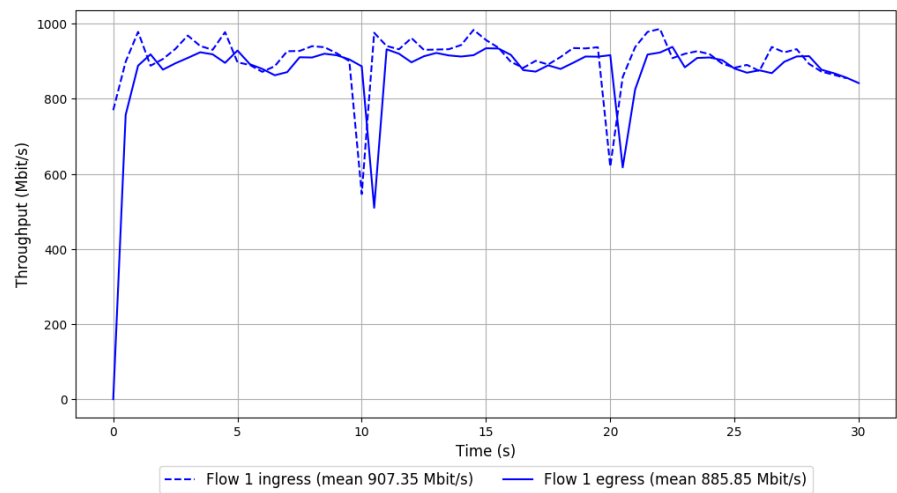
-- Flow 1:

Average throughput: 885.85 Mbit/s

95th percentile per-packet one-way delay: 8.236 ms

Loss rate: 2.37%

Run 5: Report of FillP-Sheep — Data Link

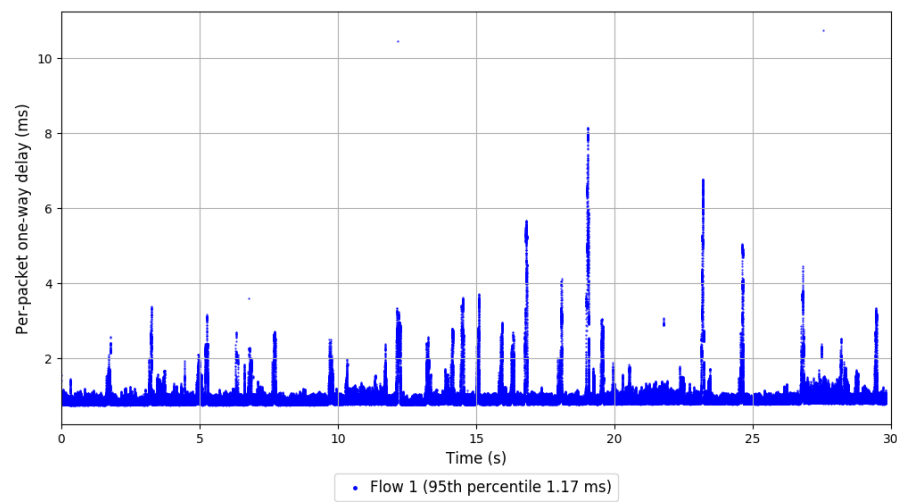
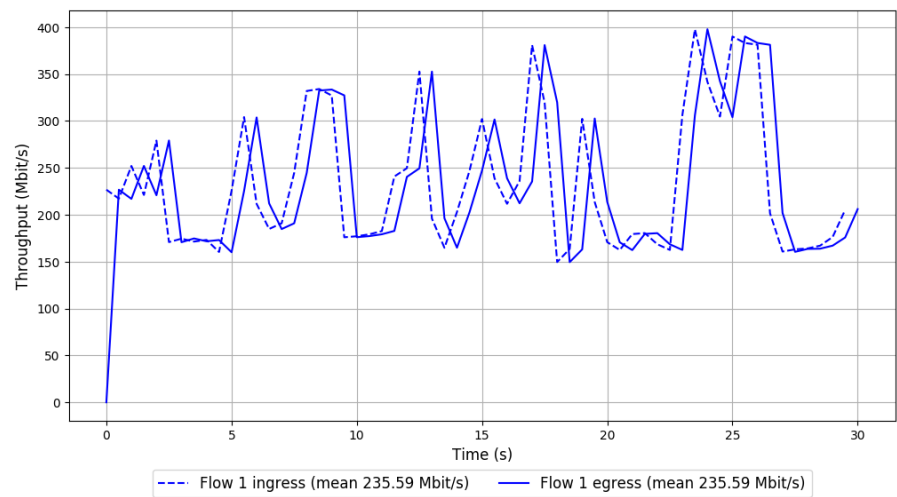


Run 1: Statistics of Indigo

Start at: 2019-01-21 05:13:53  
End at: 2019-01-21 05:14:23  
Local clock offset: 4.04 ms  
Remote clock offset: -5.231 ms

# Below is generated by plot.py at 2019-01-21 07:54:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 235.59 Mbit/s  
95th percentile per-packet one-way delay: 1.172 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 235.59 Mbit/s  
95th percentile per-packet one-way delay: 1.172 ms  
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

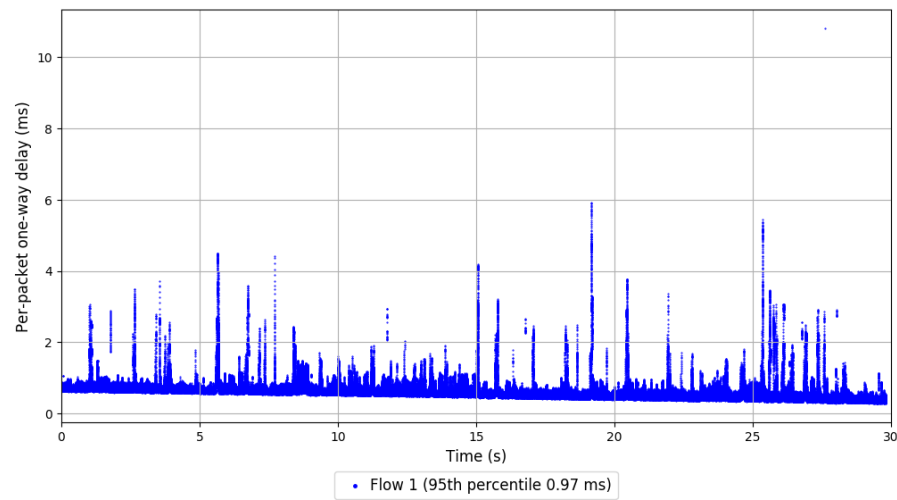
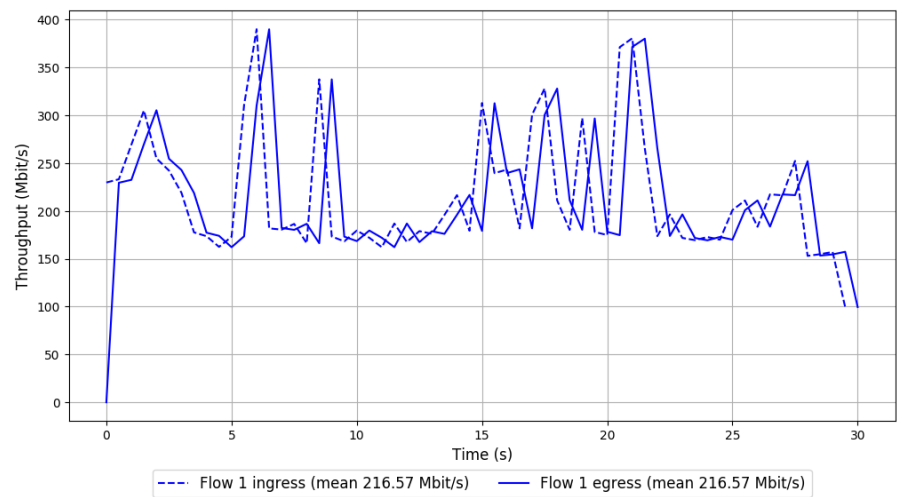


Run 2: Statistics of Indigo

Start at: 2019-01-21 05:42:45  
End at: 2019-01-21 05:43:15  
Local clock offset: 3.788 ms  
Remote clock offset: -1.543 ms

# Below is generated by plot.py at 2019-01-21 07:54:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 216.57 Mbit/s  
95th percentile per-packet one-way delay: 0.968 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 216.57 Mbit/s  
95th percentile per-packet one-way delay: 0.968 ms  
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-01-21 06:11:37

End at: 2019-01-21 06:12:07

Local clock offset: 2.767 ms

Remote clock offset: 6.995 ms

# Below is generated by plot.py at 2019-01-21 07:54:52

# Datalink statistics

-- Total of 1 flow:

Average throughput: 224.90 Mbit/s

95th percentile per-packet one-way delay: 1.201 ms

Loss rate: 0.00%

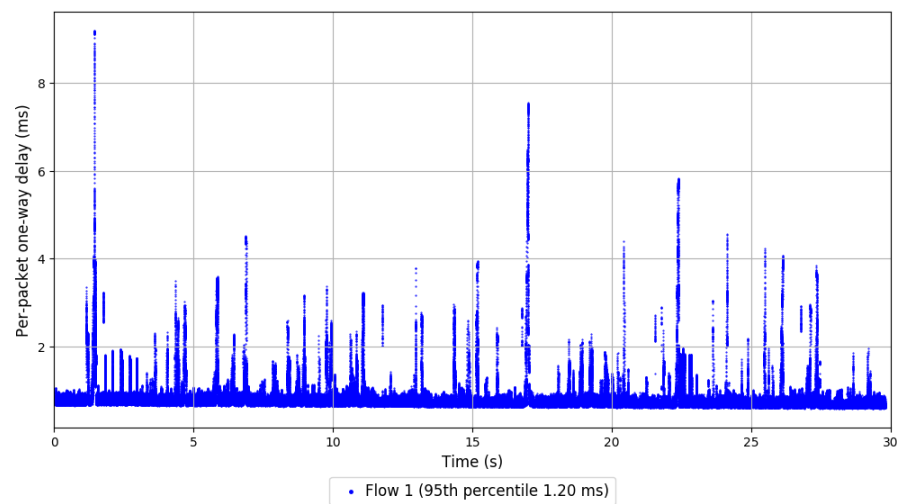
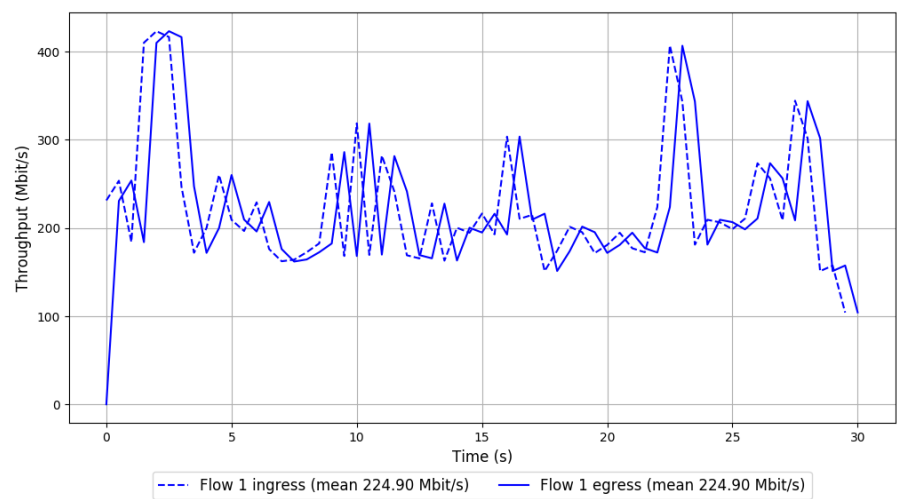
-- Flow 1:

Average throughput: 224.90 Mbit/s

95th percentile per-packet one-way delay: 1.201 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



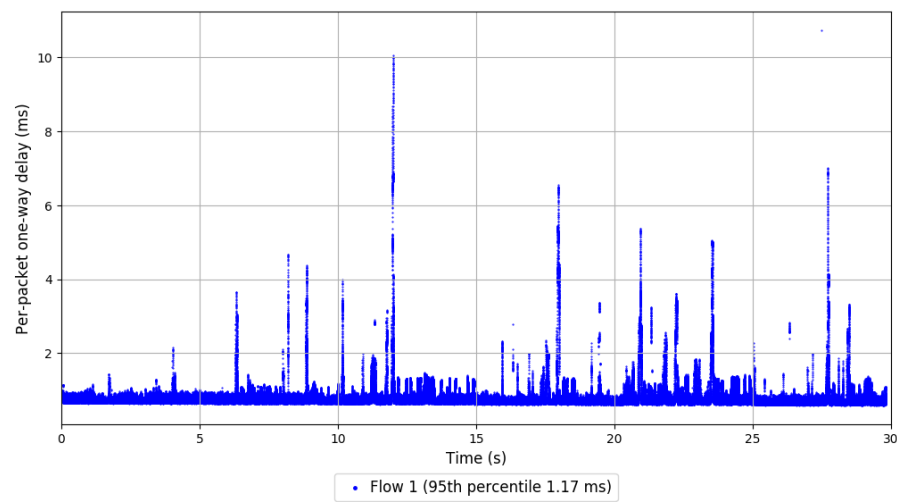
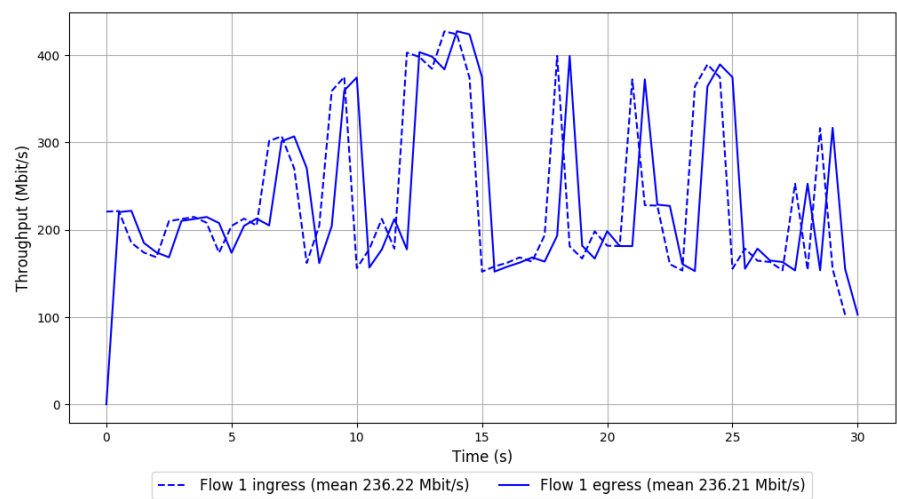


Run 4: Statistics of Indigo

Start at: 2019-01-21 06:40:39  
End at: 2019-01-21 06:41:09  
Local clock offset: 3.242 ms  
Remote clock offset: 10.645 ms

# Below is generated by plot.py at 2019-01-21 07:54:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 236.21 Mbit/s  
95th percentile per-packet one-way delay: 1.171 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 236.21 Mbit/s  
95th percentile per-packet one-way delay: 1.171 ms  
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

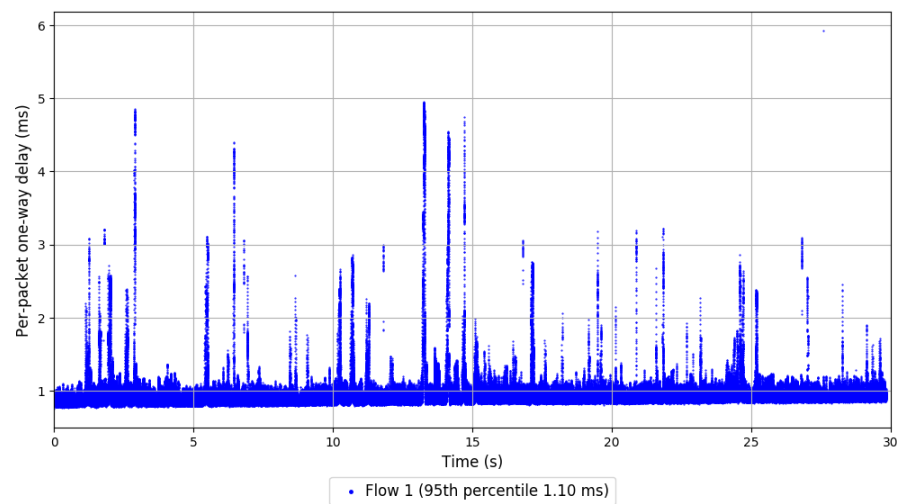
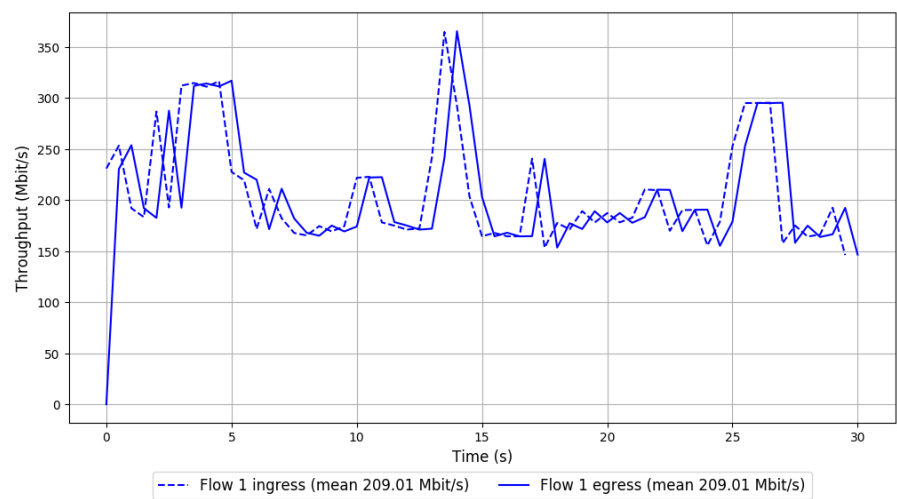


Run 5: Statistics of Indigo

Start at: 2019-01-21 07:09:27  
End at: 2019-01-21 07:09:57  
Local clock offset: 2.566 ms  
Remote clock offset: -0.867 ms

# Below is generated by plot.py at 2019-01-21 07:54:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 209.01 Mbit/s  
95th percentile per-packet one-way delay: 1.096 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 209.01 Mbit/s  
95th percentile per-packet one-way delay: 1.096 ms  
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

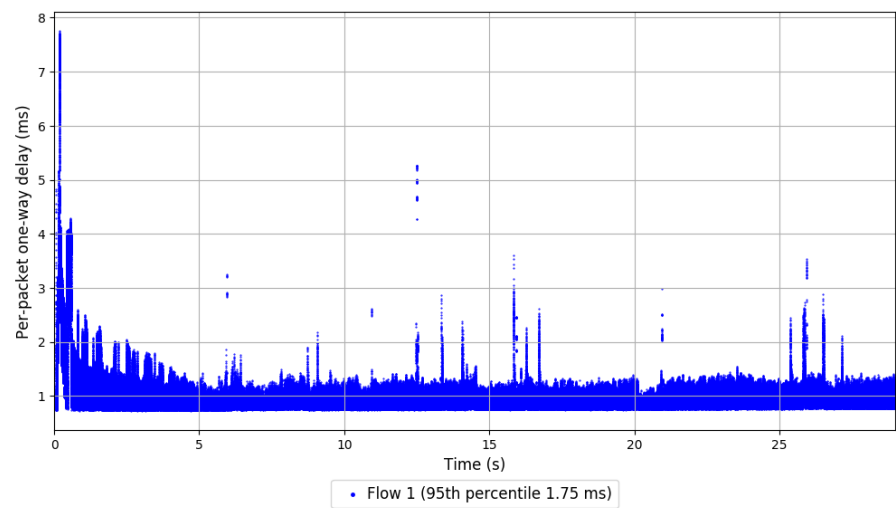
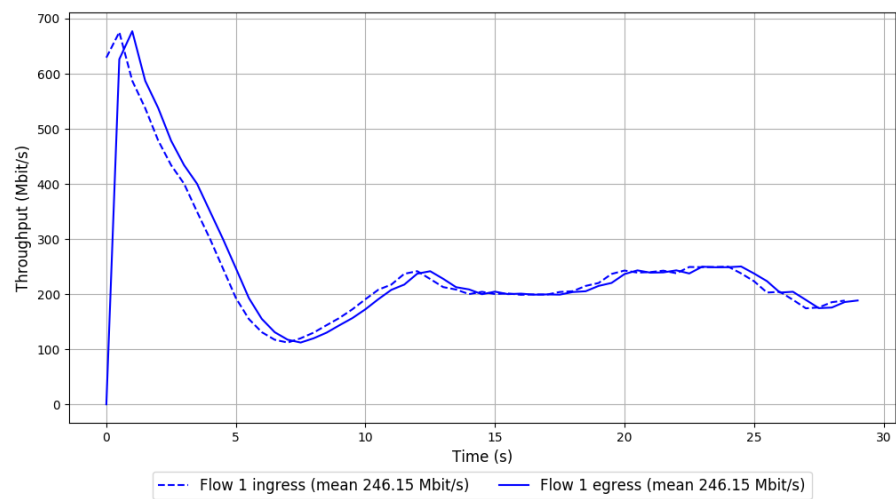


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-01-21 05:12:33  
End at: 2019-01-21 05:13:03  
Local clock offset: 4.012 ms  
Remote clock offset: -5.211 ms

# Below is generated by plot.py at 2019-01-21 07:54:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 246.15 Mbit/s  
95th percentile per-packet one-way delay: 1.751 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 246.15 Mbit/s  
95th percentile per-packet one-way delay: 1.751 ms  
Loss rate: 0.00%

Run 1: Report of Indigo-MusesC3 — Data Link

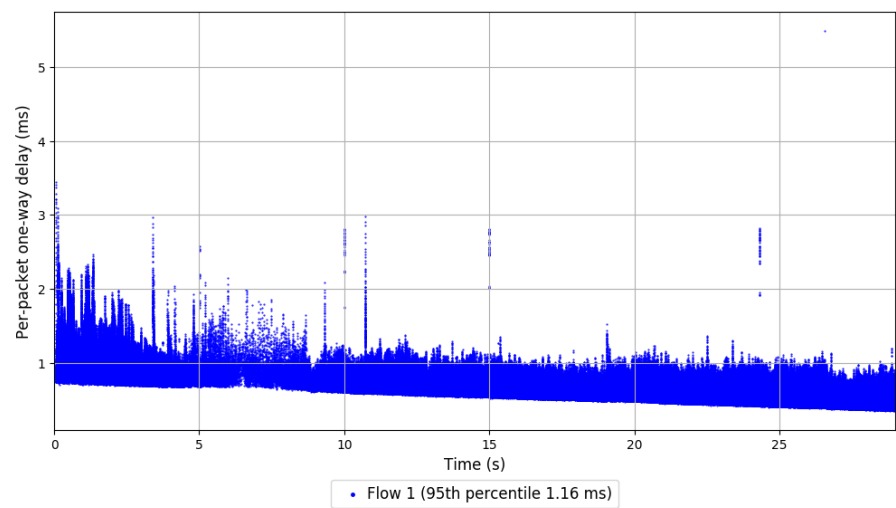
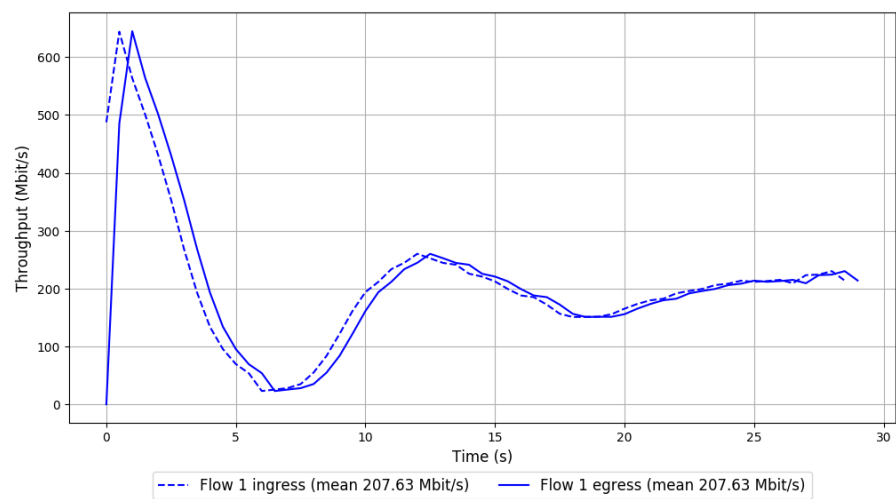


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-01-21 05:41:26  
End at: 2019-01-21 05:41:56  
Local clock offset: 3.758 ms  
Remote clock offset: -2.449 ms

# Below is generated by plot.py at 2019-01-21 07:54:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 207.63 Mbit/s  
95th percentile per-packet one-way delay: 1.158 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 207.63 Mbit/s  
95th percentile per-packet one-way delay: 1.158 ms  
Loss rate: 0.00%

Run 2: Report of Indigo-MusesC3 — Data Link





Run 3: Statistics of Indigo-MusesC3

Start at: 2019-01-21 06:10:17

End at: 2019-01-21 06:10:47

Local clock offset: 2.771 ms

Remote clock offset: 6.795 ms

# Below is generated by plot.py at 2019-01-21 07:54:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 224.64 Mbit/s

95th percentile per-packet one-way delay: 1.502 ms

Loss rate: 0.00%

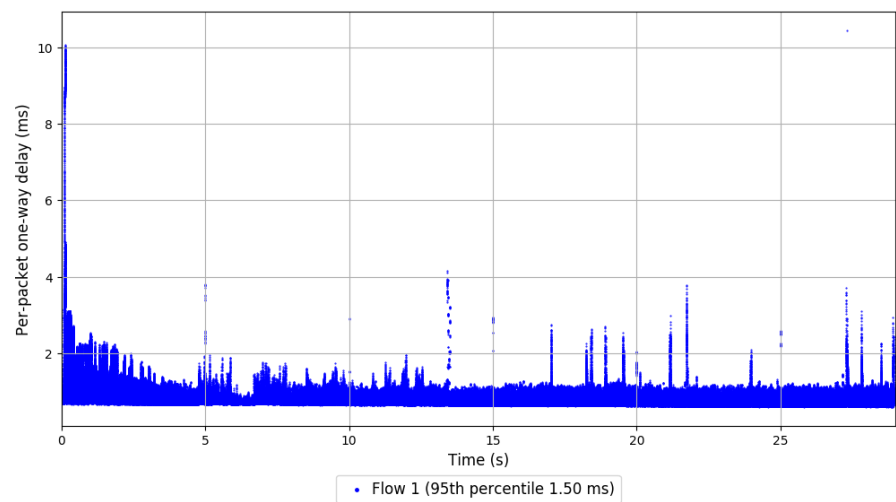
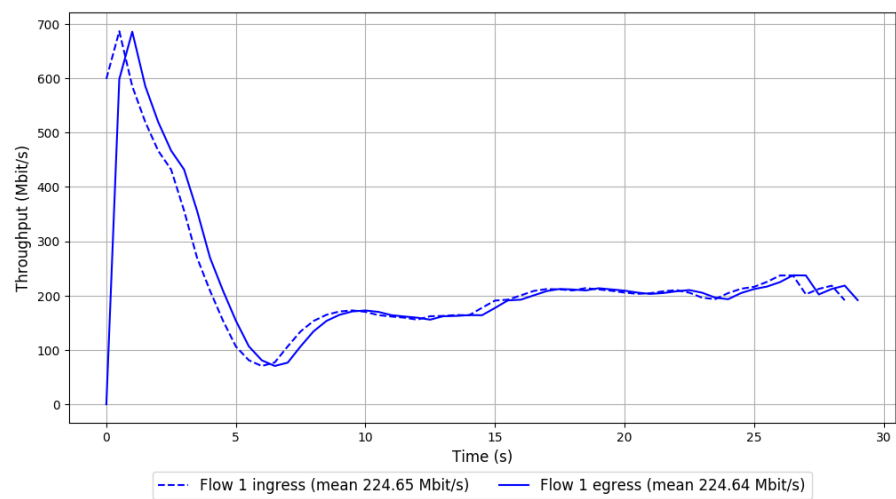
-- Flow 1:

Average throughput: 224.64 Mbit/s

95th percentile per-packet one-way delay: 1.502 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-01-21 06:39:10

End at: 2019-01-21 06:39:40

Local clock offset: 3.228 ms

Remote clock offset: 10.56 ms

# Below is generated by plot.py at 2019-01-21 07:54:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 514.72 Mbit/s

95th percentile per-packet one-way delay: 2.773 ms

Loss rate: 0.00%

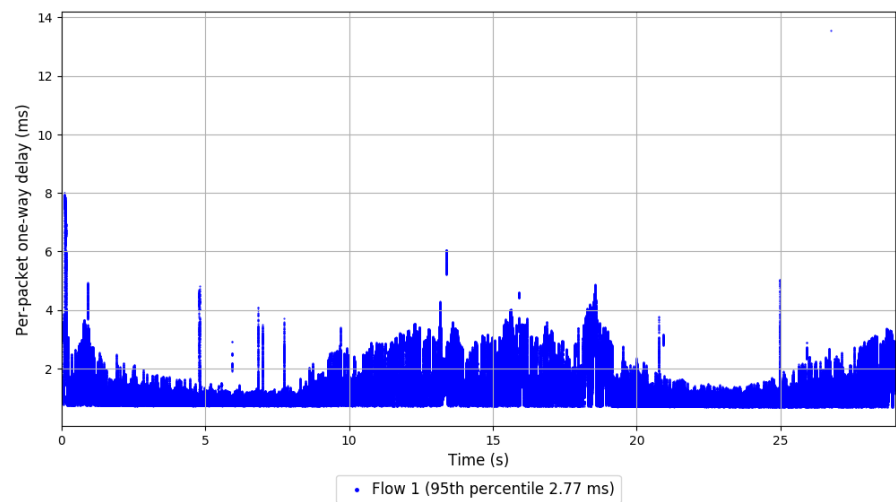
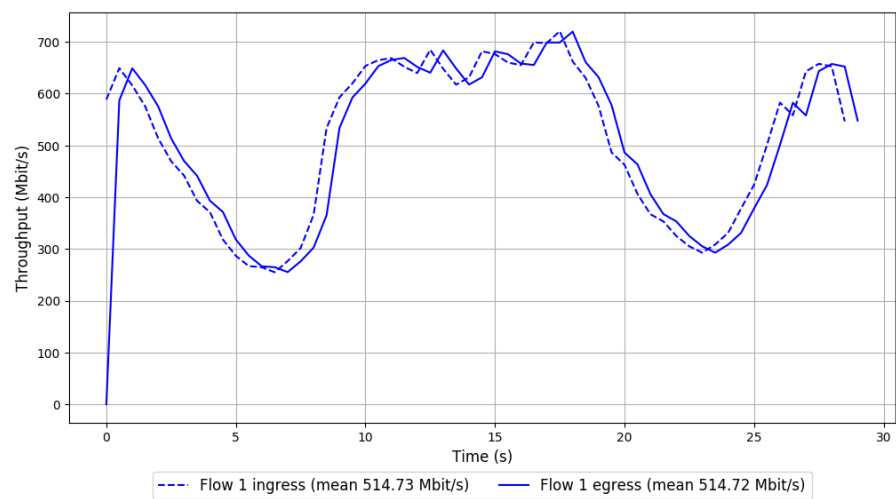
-- Flow 1:

Average throughput: 514.72 Mbit/s

95th percentile per-packet one-way delay: 2.773 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesC3 — Data Link

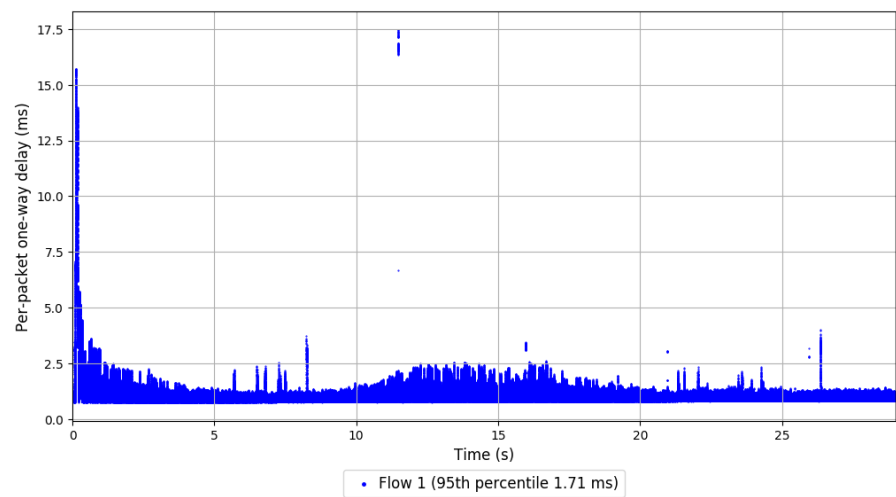
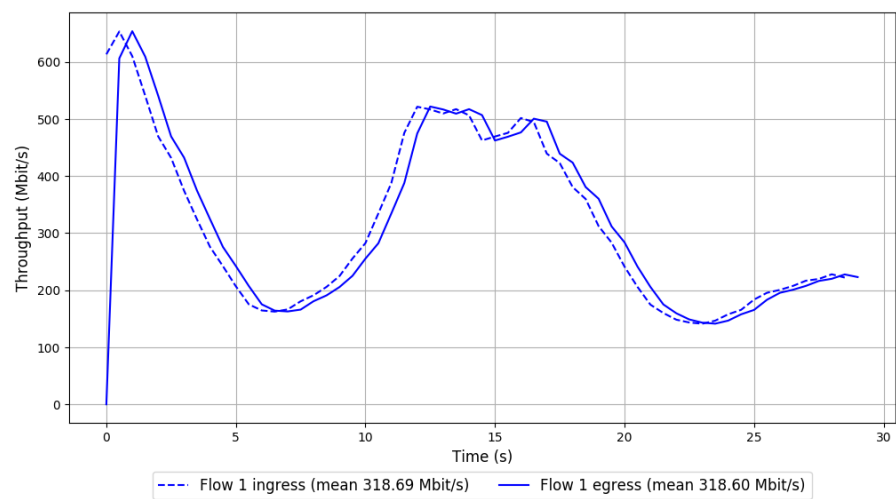


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-01-21 07:08:04  
End at: 2019-01-21 07:08:34  
Local clock offset: 2.581 ms  
Remote clock offset: -0.684 ms

# Below is generated by plot.py at 2019-01-21 07:54:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 318.60 Mbit/s  
95th percentile per-packet one-way delay: 1.714 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 318.60 Mbit/s  
95th percentile per-packet one-way delay: 1.714 ms  
Loss rate: 0.03%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-01-21 05:05:54

End at: 2019-01-21 05:06:24

Local clock offset: 3.91 ms

Remote clock offset: -4.848 ms

# Below is generated by plot.py at 2019-01-21 07:54:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 146.08 Mbit/s

95th percentile per-packet one-way delay: 1.796 ms

Loss rate: 0.07%

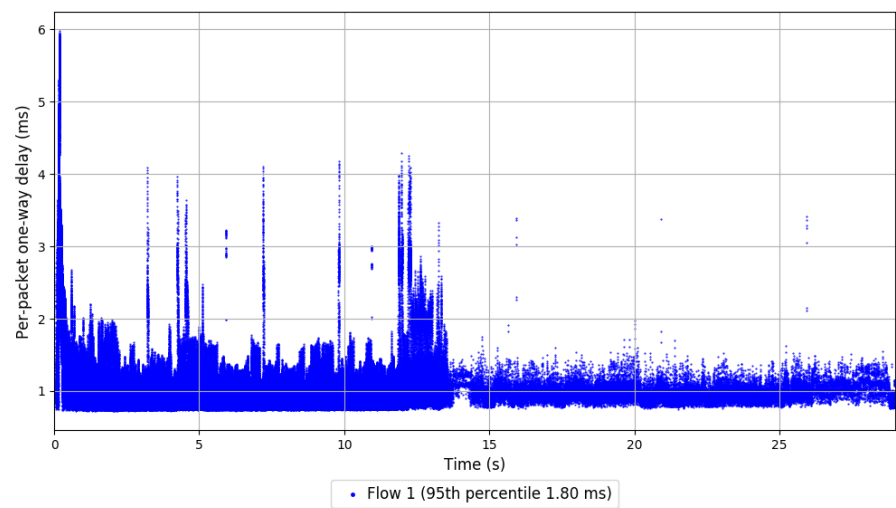
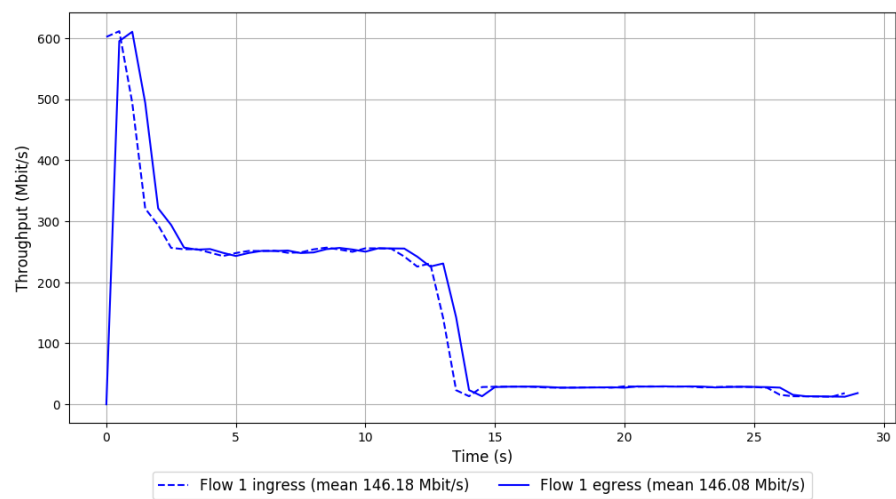
-- Flow 1:

Average throughput: 146.08 Mbit/s

95th percentile per-packet one-way delay: 1.796 ms

Loss rate: 0.07%

Run 1: Report of Indigo-MusesC5 — Data Link



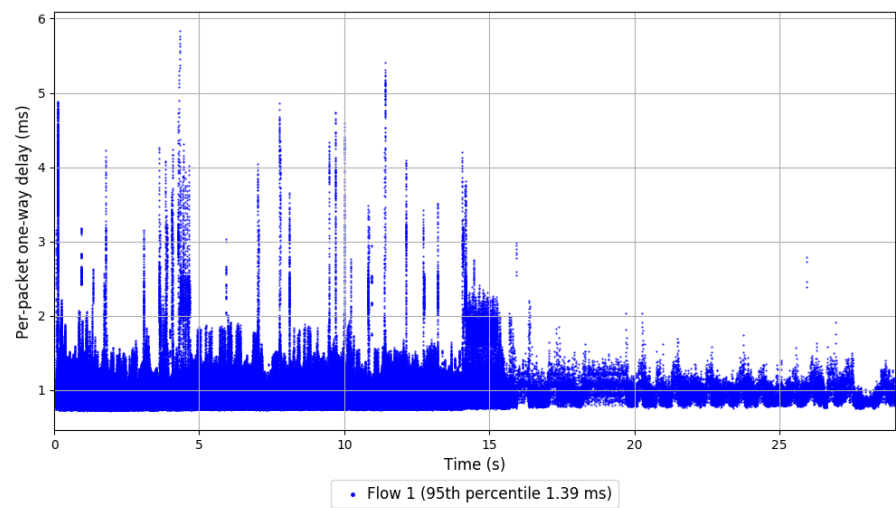
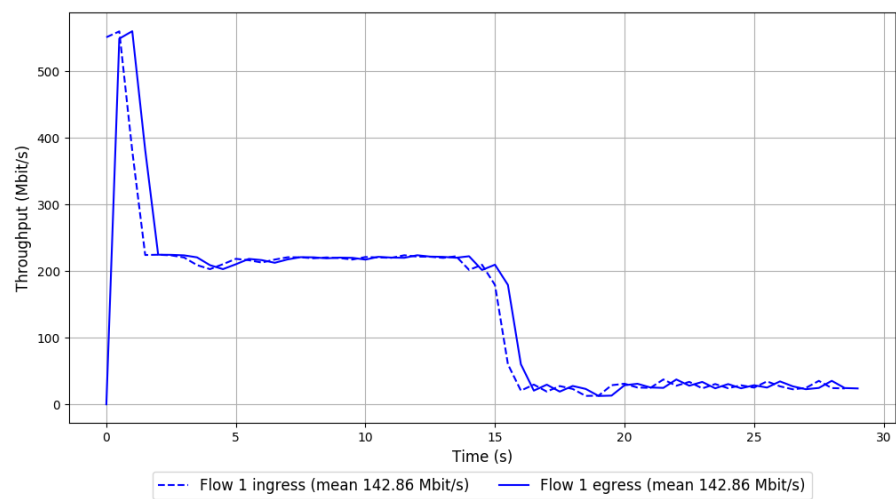


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-01-21 05:34:55  
End at: 2019-01-21 05:35:25  
Local clock offset: 3.696 ms  
Remote clock offset: -6.309 ms

# Below is generated by plot.py at 2019-01-21 07:54:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 142.86 Mbit/s  
95th percentile per-packet one-way delay: 1.388 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 142.86 Mbit/s  
95th percentile per-packet one-way delay: 1.388 ms  
Loss rate: 0.00%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-01-21 06:03:40

End at: 2019-01-21 06:04:10

Local clock offset: 2.873 ms

Remote clock offset: 5.795 ms

# Below is generated by plot.py at 2019-01-21 07:54:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 59.10 Mbit/s

95th percentile per-packet one-way delay: 1.473 ms

Loss rate: 0.01%

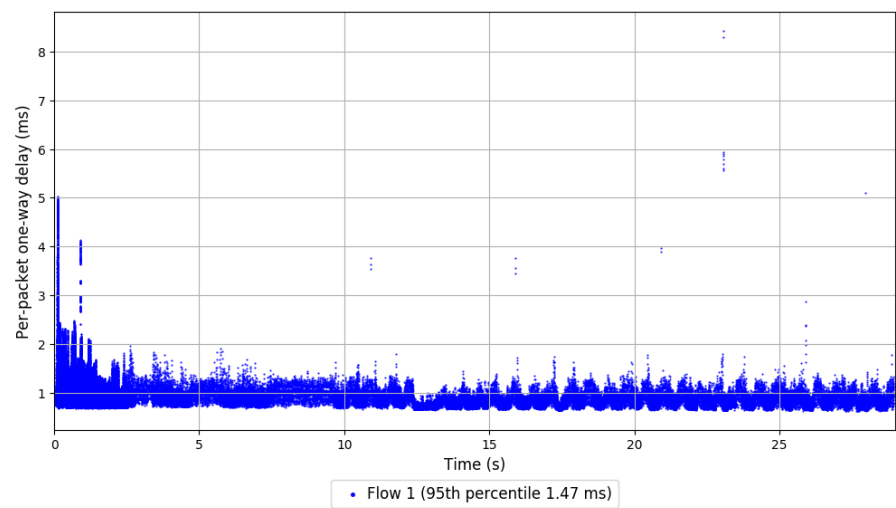
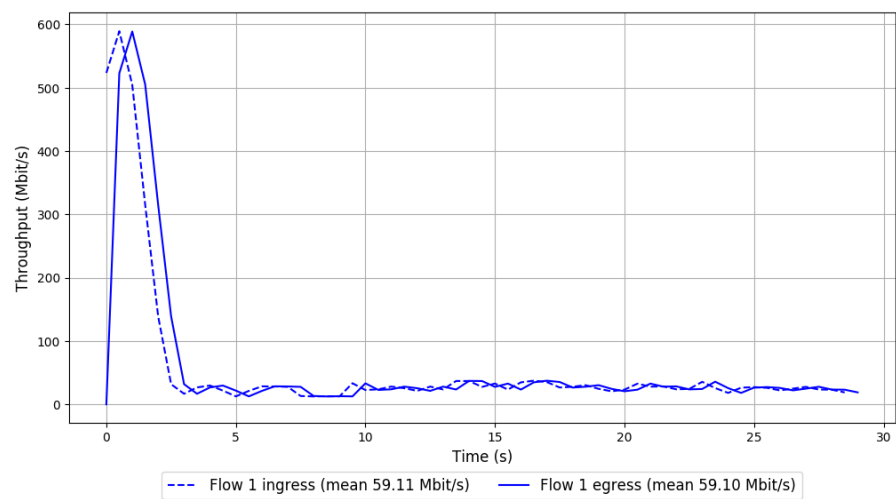
-- Flow 1:

Average throughput: 59.10 Mbit/s

95th percentile per-packet one-way delay: 1.473 ms

Loss rate: 0.01%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-01-21 06:32:35

End at: 2019-01-21 06:33:05

Local clock offset: 3.154 ms

Remote clock offset: 9.762 ms

# Below is generated by plot.py at 2019-01-21 07:54:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 59.98 Mbit/s

95th percentile per-packet one-way delay: 2.217 ms

Loss rate: 0.00%

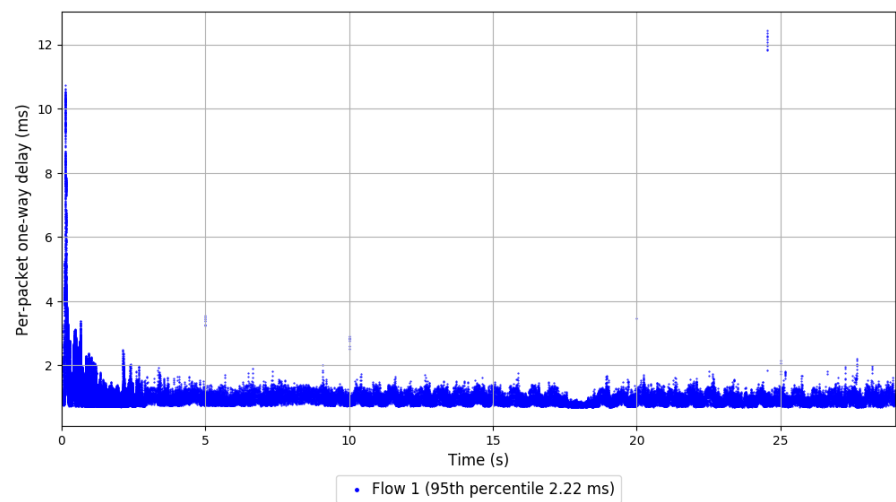
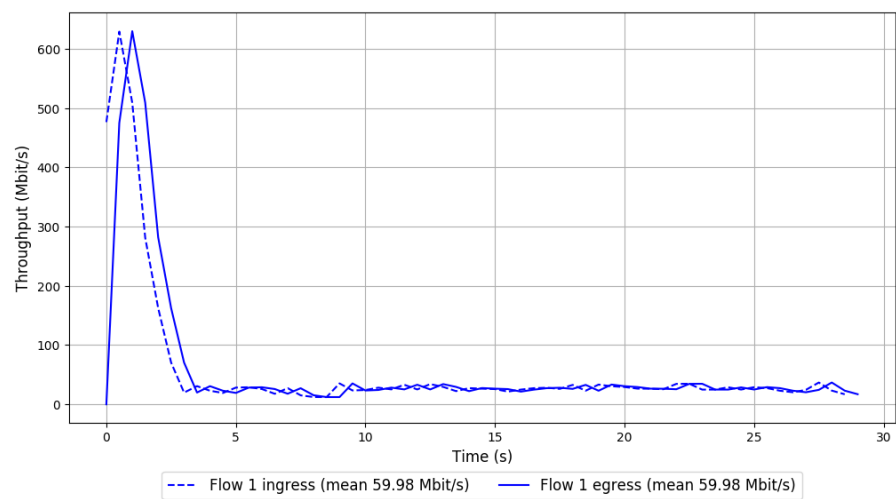
-- Flow 1:

Average throughput: 59.98 Mbit/s

95th percentile per-packet one-way delay: 2.217 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-01-21 07:01:37

End at: 2019-01-21 07:02:07

Local clock offset: 2.696 ms

Remote clock offset: 0.876 ms

# Below is generated by plot.py at 2019-01-21 07:54:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 207.75 Mbit/s

95th percentile per-packet one-way delay: 1.435 ms

Loss rate: 0.00%

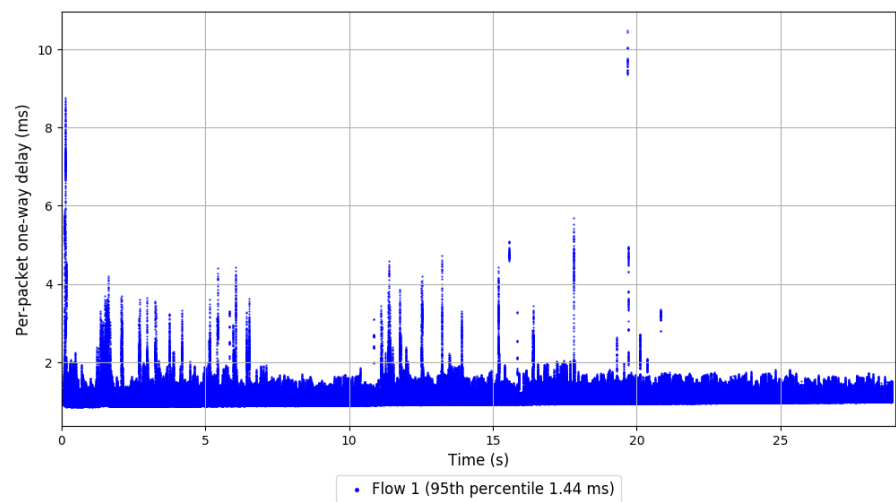
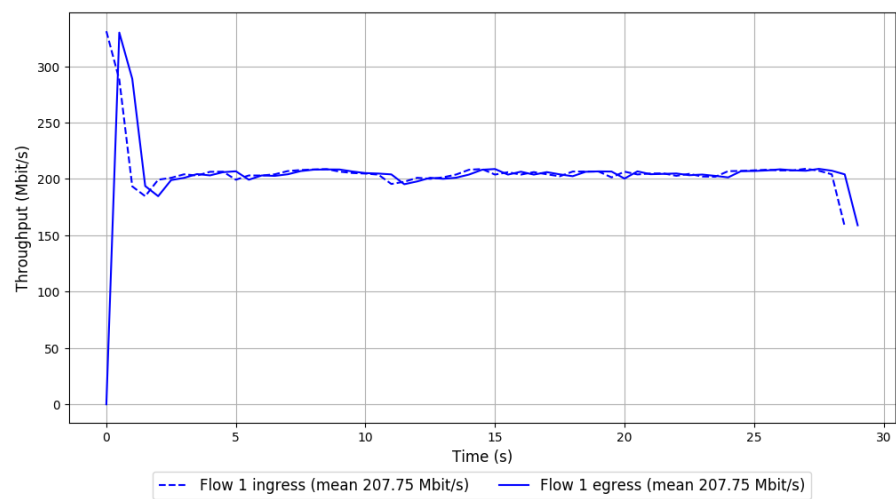
-- Flow 1:

Average throughput: 207.75 Mbit/s

95th percentile per-packet one-way delay: 1.435 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesC5 — Data Link





Run 1: Statistics of Indigo-MusesD

Start at: 2019-01-21 05:18:07

End at: 2019-01-21 05:18:37

Local clock offset: 4.153 ms

Remote clock offset: -5.387 ms

# Below is generated by plot.py at 2019-01-21 07:54:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 111.67 Mbit/s

95th percentile per-packet one-way delay: 1.288 ms

Loss rate: 0.00%

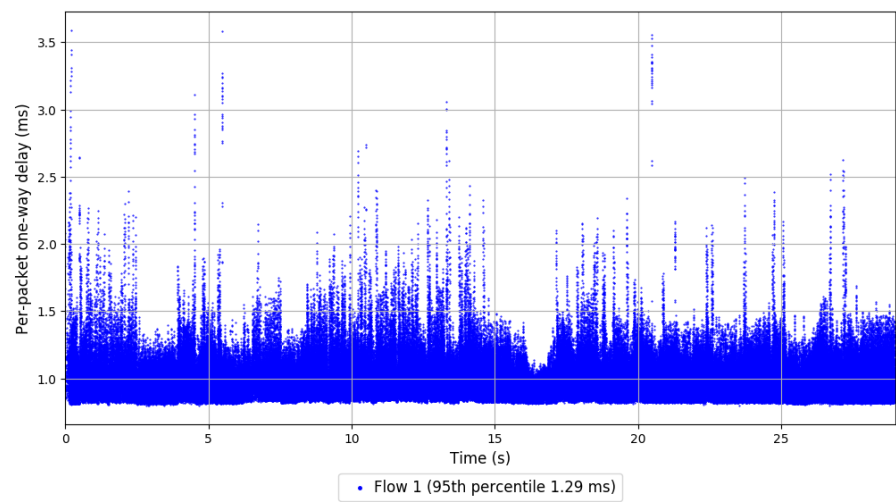
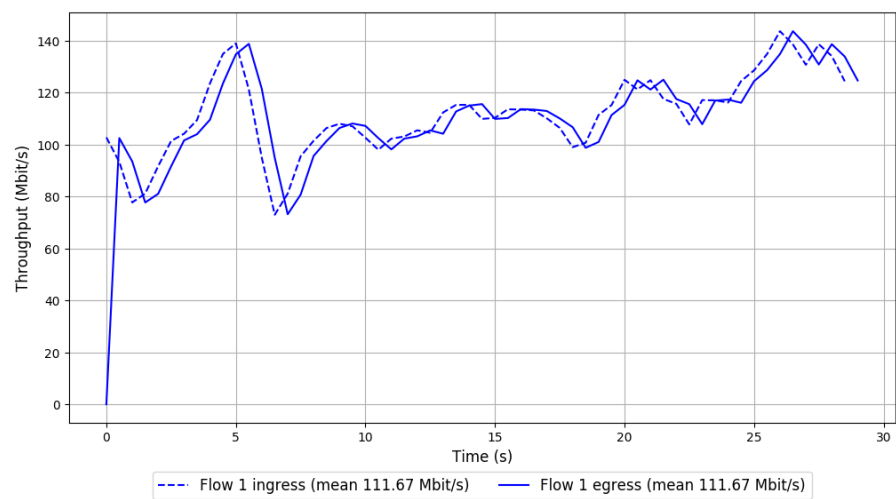
-- Flow 1:

Average throughput: 111.67 Mbit/s

95th percentile per-packet one-way delay: 1.288 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-01-21 05:46:58

End at: 2019-01-21 05:47:28

Local clock offset: 3.838 ms

Remote clock offset: 1.082 ms

# Below is generated by plot.py at 2019-01-21 07:54:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 128.96 Mbit/s

95th percentile per-packet one-way delay: 1.206 ms

Loss rate: 0.00%

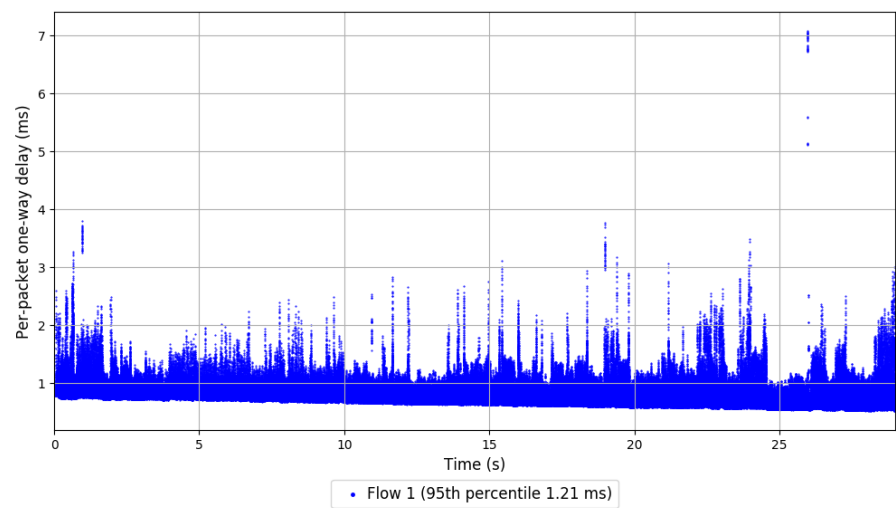
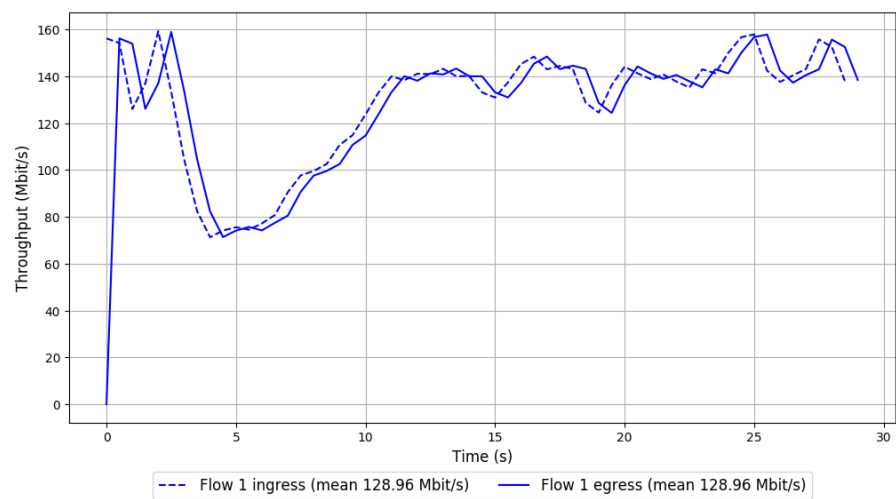
-- Flow 1:

Average throughput: 128.96 Mbit/s

95th percentile per-packet one-way delay: 1.206 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-01-21 06:15:50

End at: 2019-01-21 06:16:20

Local clock offset: 2.756 ms

Remote clock offset: 7.659 ms

# Below is generated by plot.py at 2019-01-21 07:54:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 64.18 Mbit/s

95th percentile per-packet one-way delay: 1.205 ms

Loss rate: 0.00%

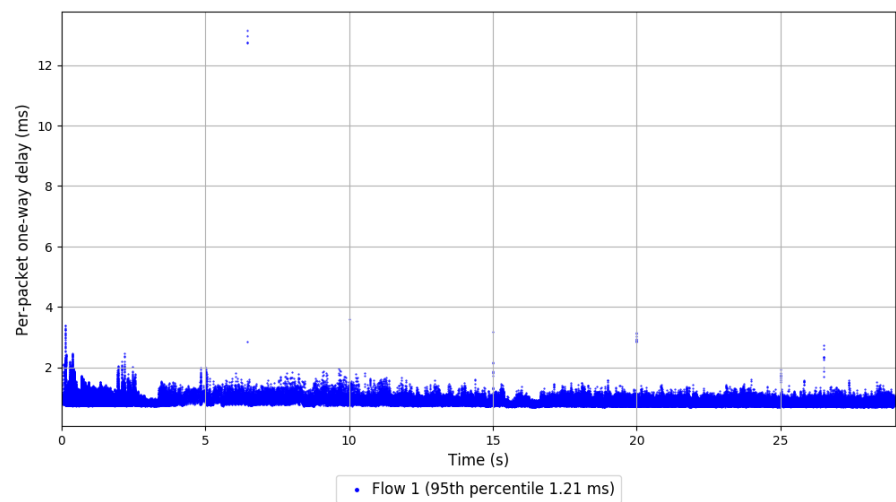
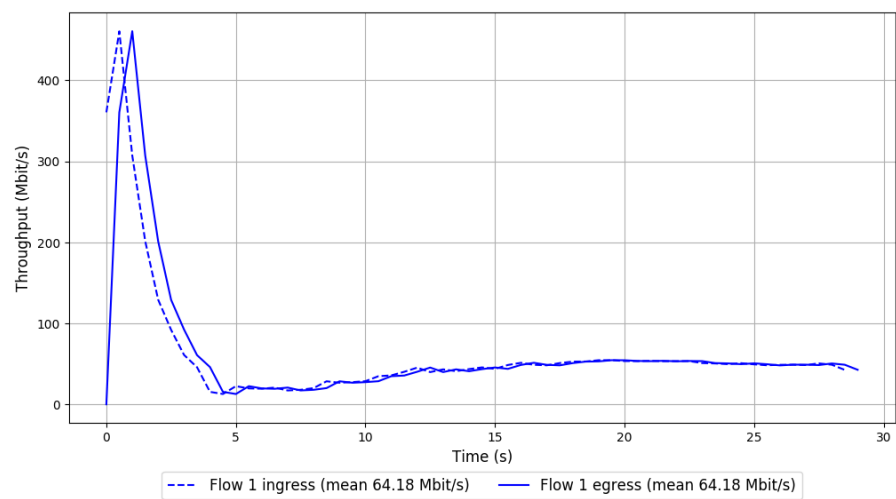
-- Flow 1:

Average throughput: 64.18 Mbit/s

95th percentile per-packet one-way delay: 1.205 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesD — Data Link

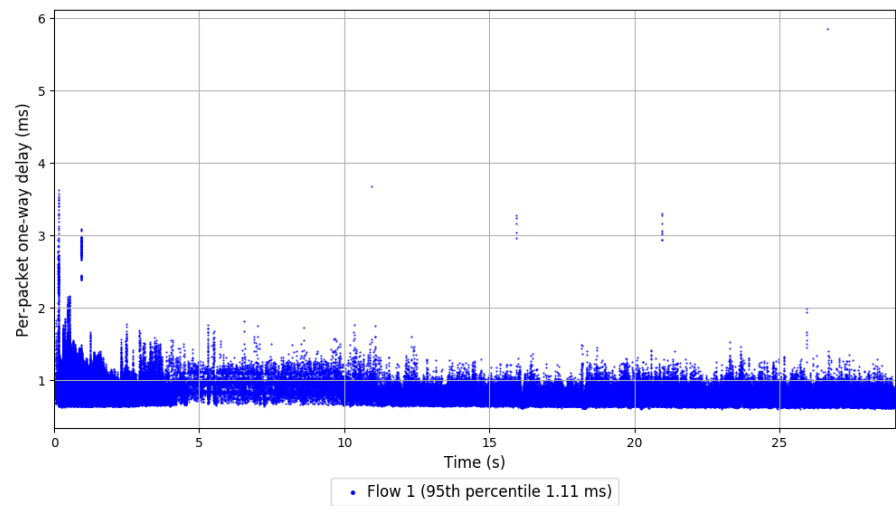
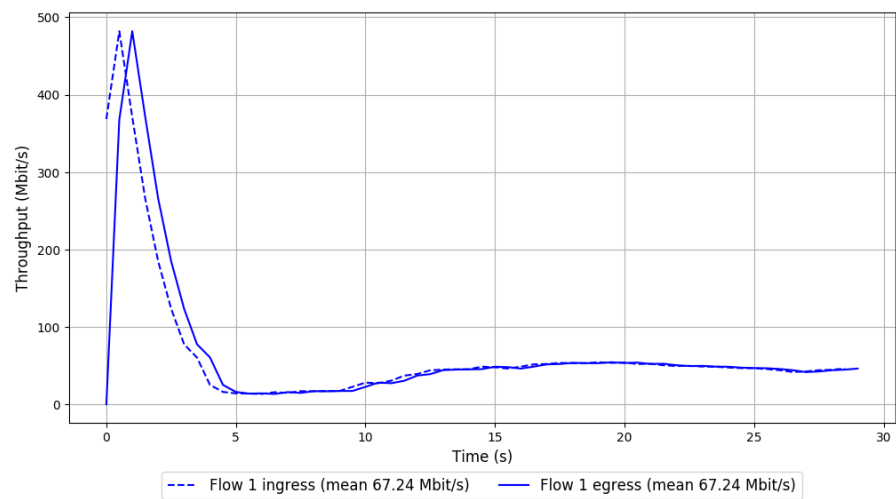


Run 4: Statistics of Indigo-MusesD

Start at: 2019-01-21 06:44:51  
End at: 2019-01-21 06:45:21  
Local clock offset: 3.271 ms  
Remote clock offset: 11.187 ms

# Below is generated by plot.py at 2019-01-21 07:54:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 67.24 Mbit/s  
95th percentile per-packet one-way delay: 1.111 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 67.24 Mbit/s  
95th percentile per-packet one-way delay: 1.111 ms  
Loss rate: 0.00%

Run 4: Report of Indigo-MusesD — Data Link





Run 5: Statistics of Indigo-MusesD

Start at: 2019-01-21 07:13:38

End at: 2019-01-21 07:14:08

Local clock offset: 2.517 ms

Remote clock offset: -1.528 ms

# Below is generated by plot.py at 2019-01-21 07:54:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 124.60 Mbit/s

95th percentile per-packet one-way delay: 1.290 ms

Loss rate: 0.00%

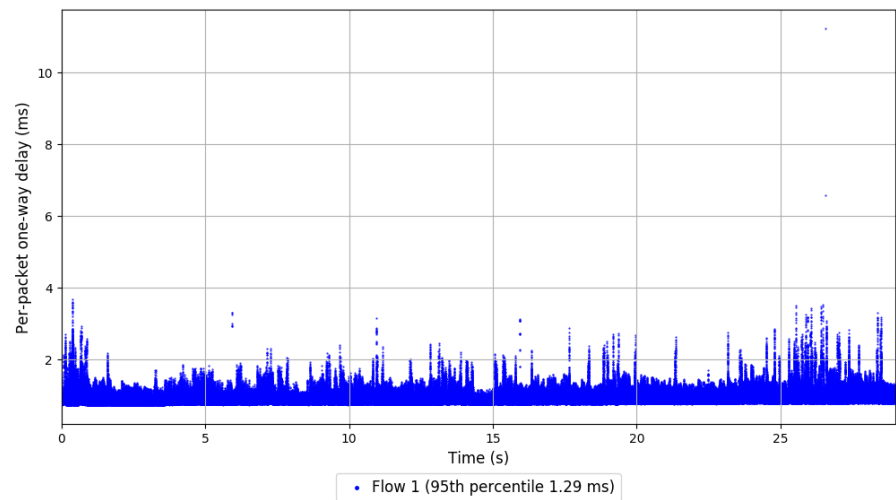
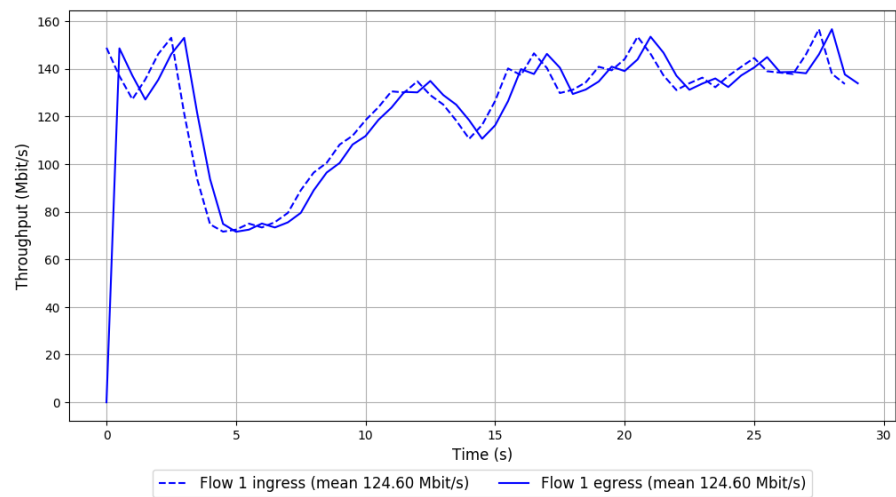
-- Flow 1:

Average throughput: 124.60 Mbit/s

95th percentile per-packet one-way delay: 1.290 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesD — Data Link

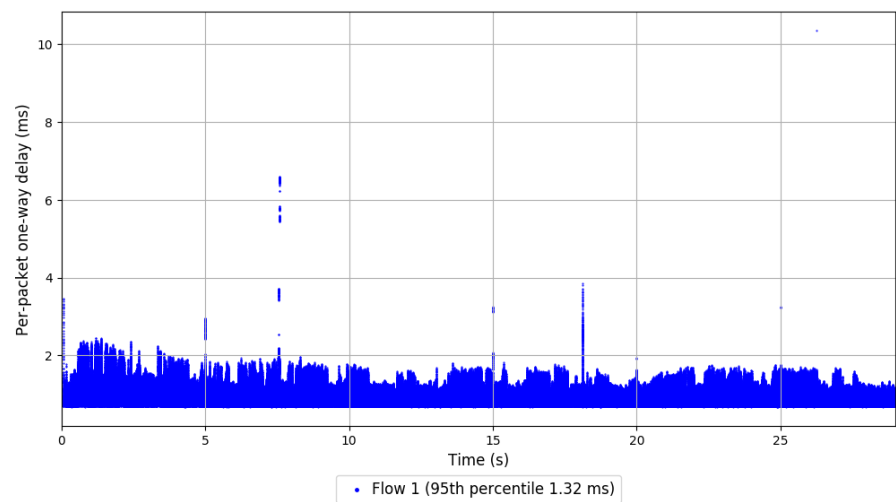
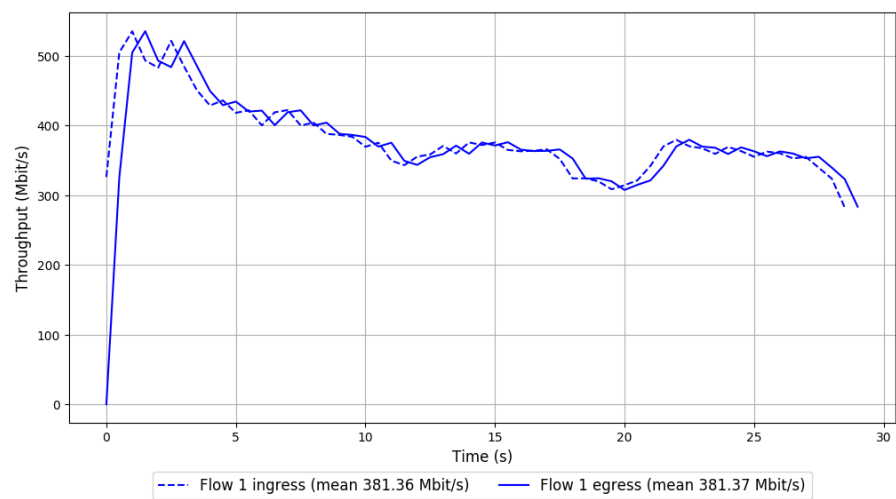


```
Run 1: Statistics of Indigo-MusesT

Start at: 2019-01-21 05:21:02
End at: 2019-01-21 05:21:32
Local clock offset: 4.002 ms
Remote clock offset: -5.609 ms

# Below is generated by plot.py at 2019-01-21 07:56:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 381.37 Mbit/s
95th percentile per-packet one-way delay: 1.323 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 381.37 Mbit/s
95th percentile per-packet one-way delay: 1.323 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-01-21 05:49:54

End at: 2019-01-21 05:50:24

Local clock offset: 3.733 ms

Remote clock offset: 2.226 ms

# Below is generated by plot.py at 2019-01-21 07:56:06

# Datalink statistics

-- Total of 1 flow:

Average throughput: 344.87 Mbit/s

95th percentile per-packet one-way delay: 1.020 ms

Loss rate: 0.00%

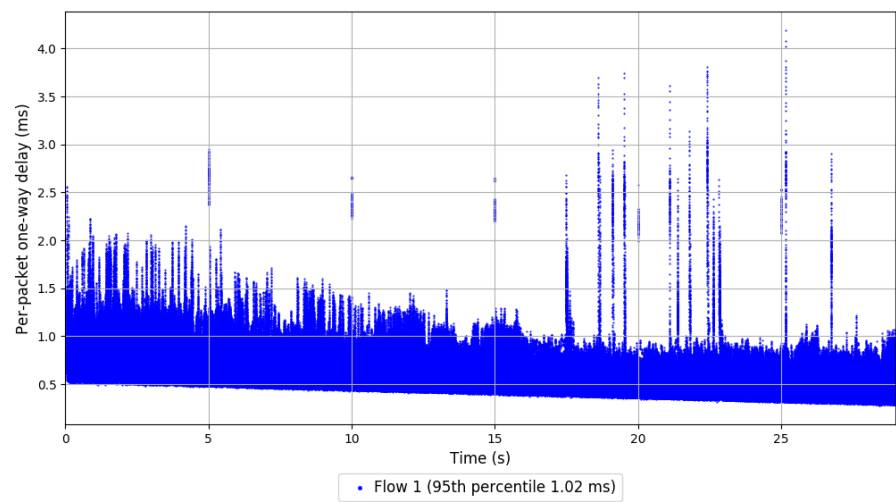
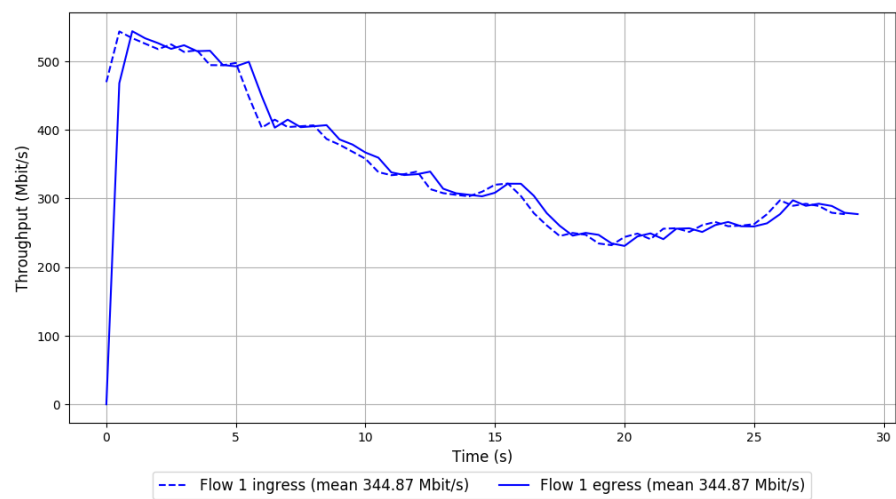
-- Flow 1:

Average throughput: 344.87 Mbit/s

95th percentile per-packet one-way delay: 1.020 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-01-21 06:18:42

End at: 2019-01-21 06:19:12

Local clock offset: 2.728 ms

Remote clock offset: 7.938 ms

# Below is generated by plot.py at 2019-01-21 07:56:06

# Datalink statistics

-- Total of 1 flow:

Average throughput: 346.41 Mbit/s

95th percentile per-packet one-way delay: 1.232 ms

Loss rate: 0.00%

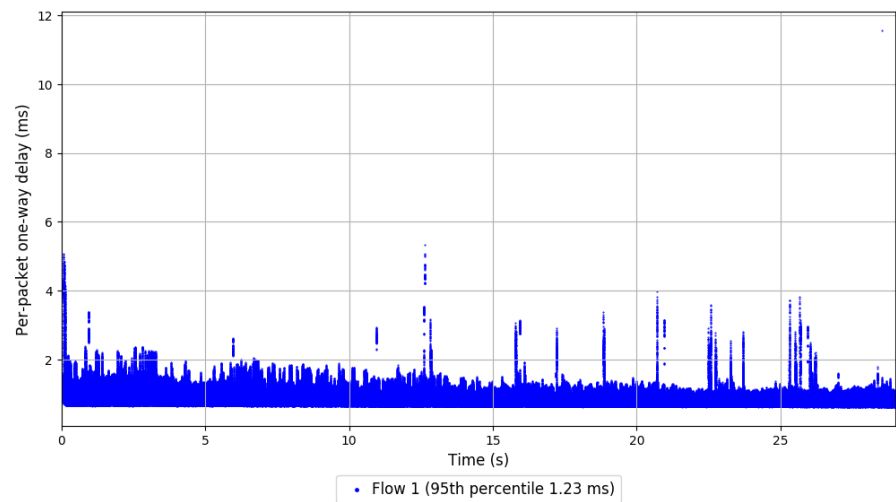
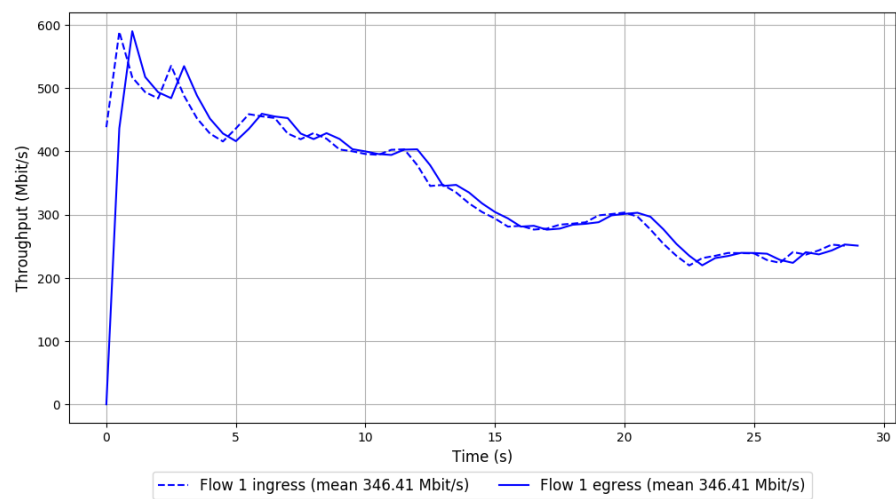
-- Flow 1:

Average throughput: 346.41 Mbit/s

95th percentile per-packet one-way delay: 1.232 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesT — Data Link





Run 4: Statistics of Indigo-MusesT

Start at: 2019-01-21 06:47:44

End at: 2019-01-21 06:48:14

Local clock offset: 3.282 ms

Remote clock offset: 9.066 ms

# Below is generated by plot.py at 2019-01-21 07:56:43

# Datalink statistics

-- Total of 1 flow:

Average throughput: 384.57 Mbit/s

95th percentile per-packet one-way delay: 1.731 ms

Loss rate: 0.00%

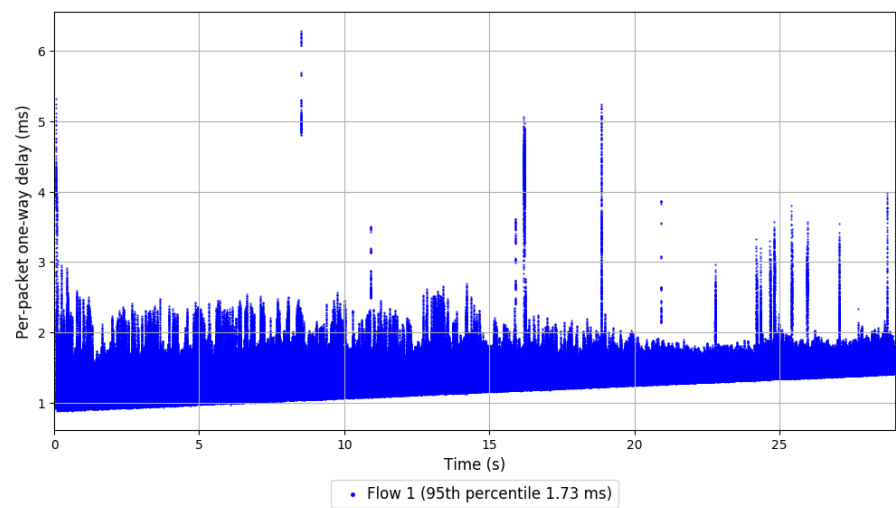
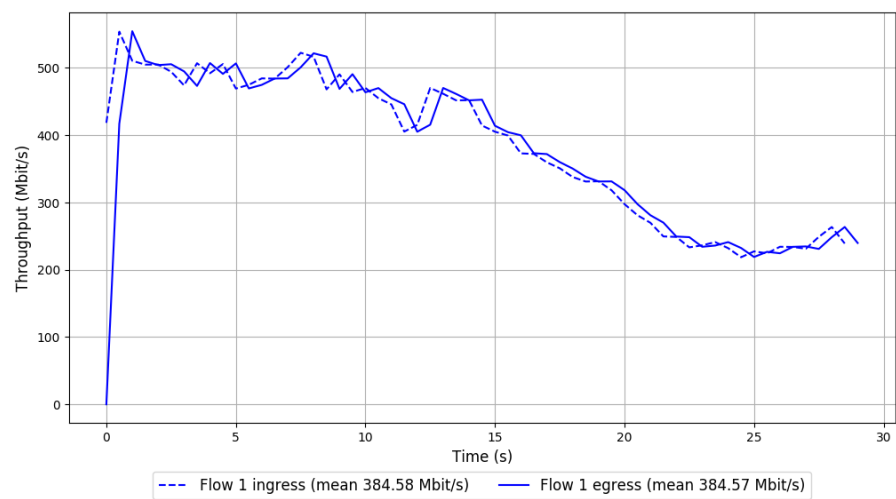
-- Flow 1:

Average throughput: 384.57 Mbit/s

95th percentile per-packet one-way delay: 1.731 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-01-21 07:16:33

End at: 2019-01-21 07:17:03

Local clock offset: 2.478 ms

Remote clock offset: -1.889 ms

# Below is generated by plot.py at 2019-01-21 07:56:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 351.71 Mbit/s

95th percentile per-packet one-way delay: 1.306 ms

Loss rate: 0.00%

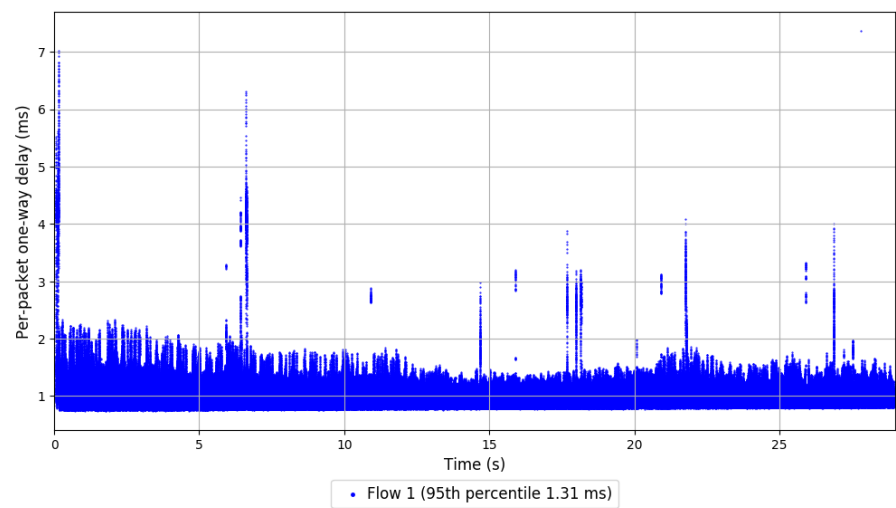
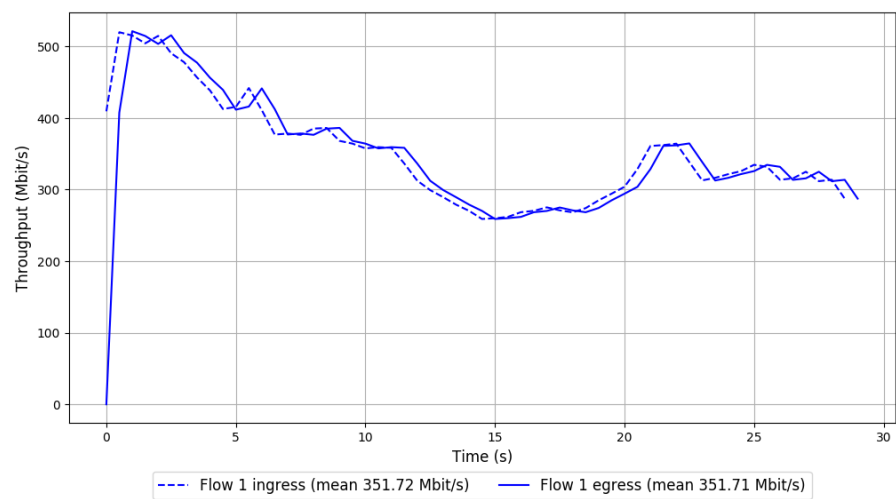
-- Flow 1:

Average throughput: 351.71 Mbit/s

95th percentile per-packet one-way delay: 1.306 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesT — Data Link



Run 1: Statistics of LEDBAT

Start at: 2019-01-21 05:19:23

End at: 2019-01-21 05:19:53

Local clock offset: 4.115 ms

Remote clock offset: -5.5 ms

# Below is generated by plot.py at 2019-01-21 07:59:49

# Datalink statistics

-- Total of 1 flow:

Average throughput: 603.15 Mbit/s

95th percentile per-packet one-way delay: 17.735 ms

Loss rate: 0.04%

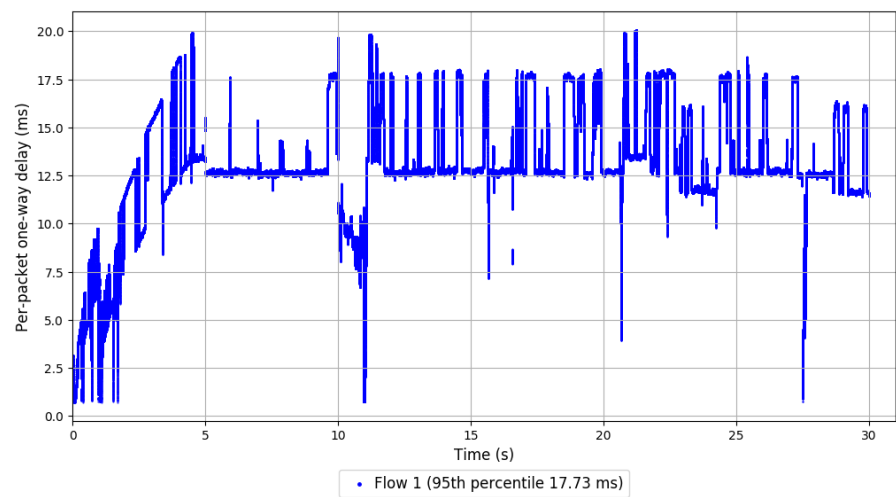
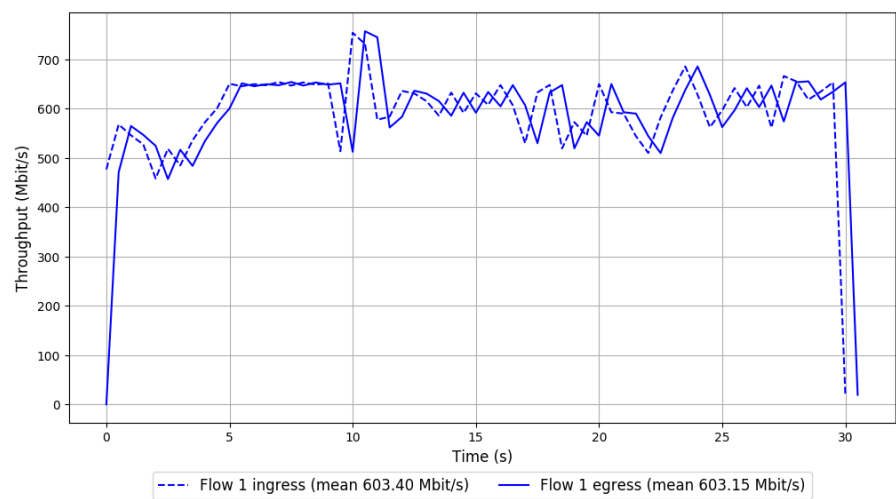
-- Flow 1:

Average throughput: 603.15 Mbit/s

95th percentile per-packet one-way delay: 17.735 ms

Loss rate: 0.04%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-01-21 05:48:15

End at: 2019-01-21 05:48:45

Local clock offset: 3.876 ms

Remote clock offset: 1.648 ms

# Below is generated by plot.py at 2019-01-21 08:01:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 603.51 Mbit/s

95th percentile per-packet one-way delay: 18.078 ms

Loss rate: 0.05%

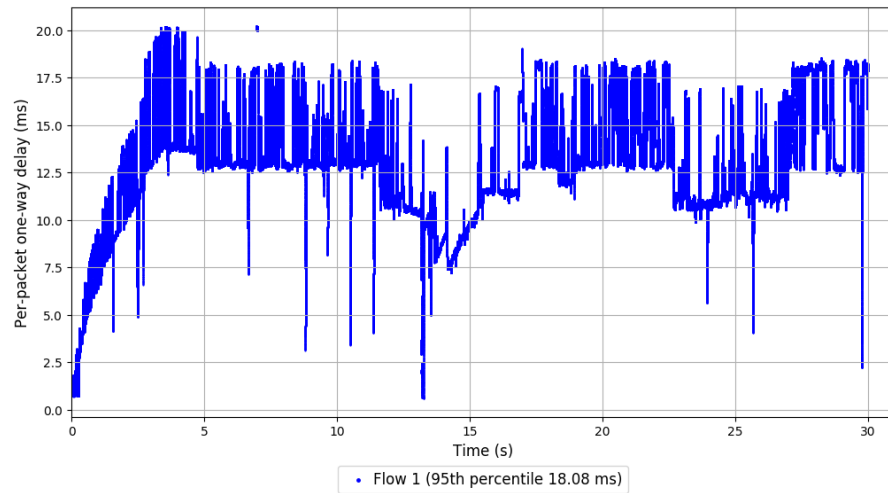
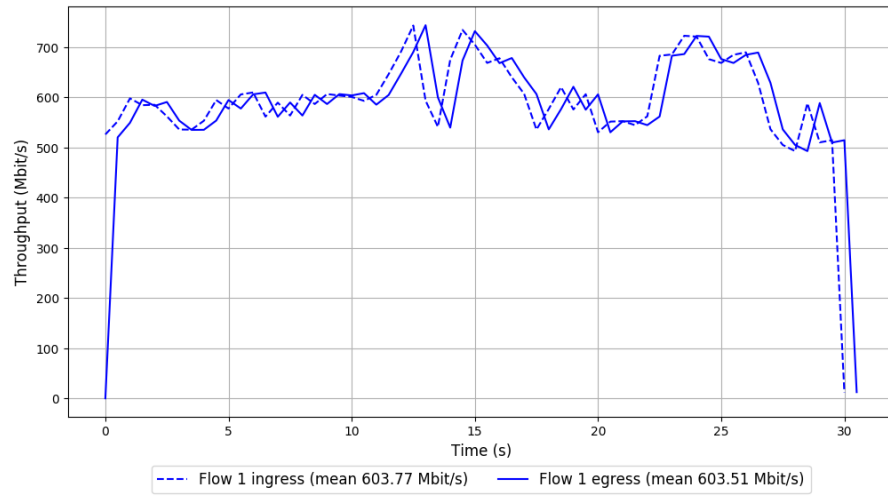
-- Flow 1:

Average throughput: 603.51 Mbit/s

95th percentile per-packet one-way delay: 18.078 ms

Loss rate: 0.05%

## Run 2: Report of LEDBAT — Data Link





Run 3: Statistics of LEDBAT

Start at: 2019-01-21 06:17:05

End at: 2019-01-21 06:17:35

Local clock offset: 2.727 ms

Remote clock offset: 7.689 ms

# Below is generated by plot.py at 2019-01-21 08:01:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 566.98 Mbit/s

95th percentile per-packet one-way delay: 19.002 ms

Loss rate: 0.04%

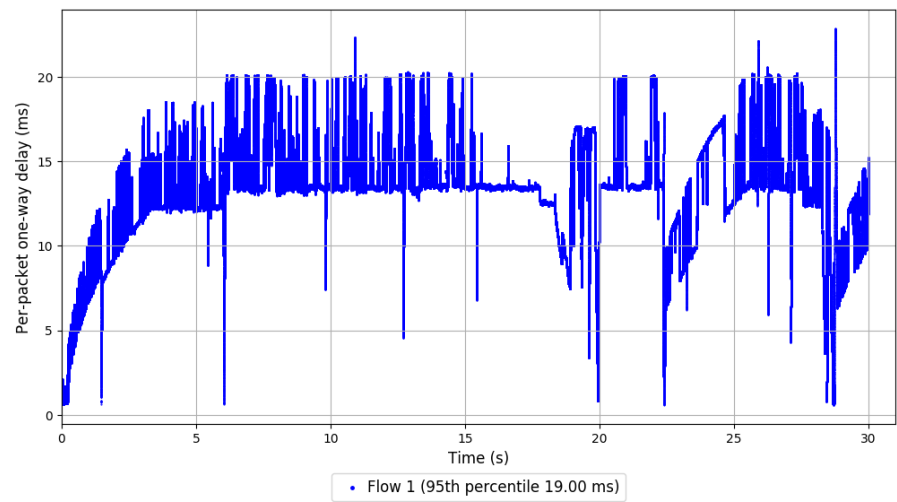
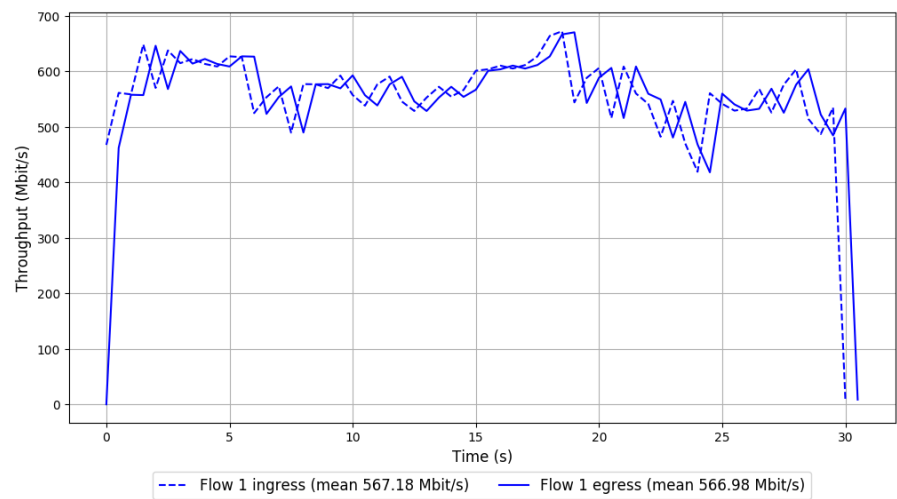
-- Flow 1:

Average throughput: 566.98 Mbit/s

95th percentile per-packet one-way delay: 19.002 ms

Loss rate: 0.04%

Run 3: Report of LEDBAT — Data Link

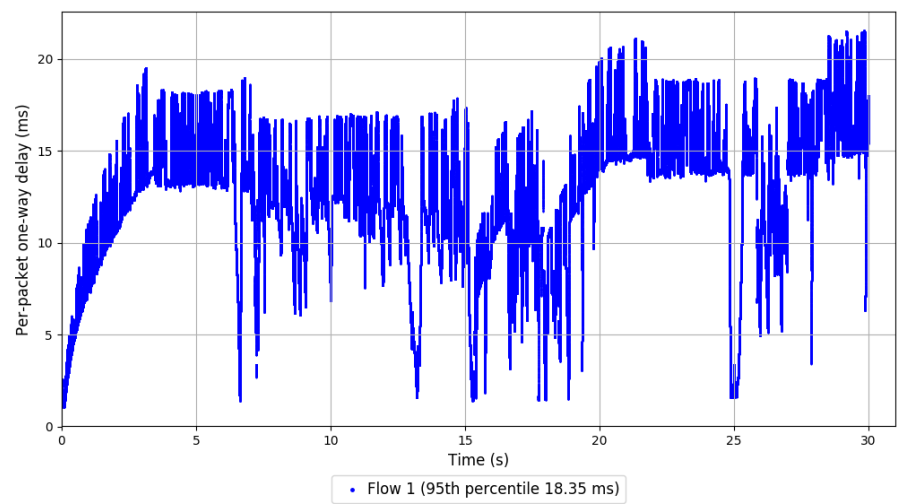
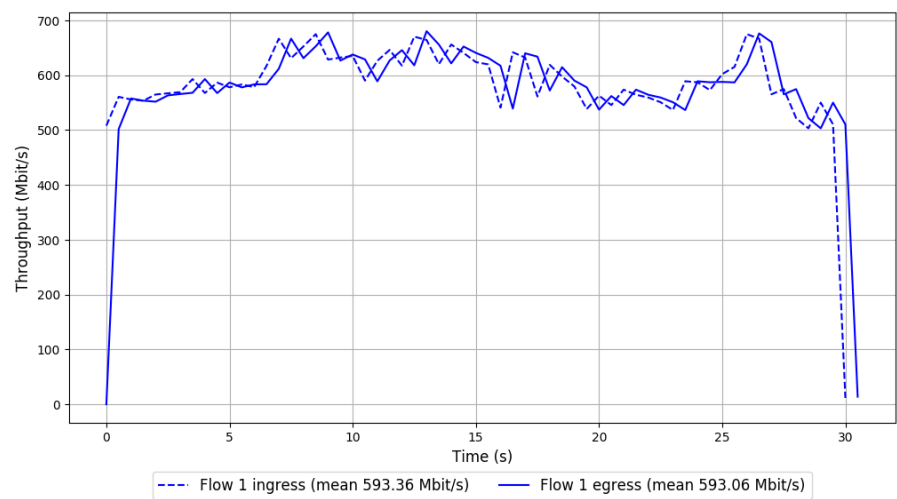


Run 4: Statistics of LEDBAT

Start at: 2019-01-21 06:46:06  
End at: 2019-01-21 06:46:36  
Local clock offset: 3.289 ms  
Remote clock offset: 11.233 ms

# Below is generated by plot.py at 2019-01-21 08:02:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 593.06 Mbit/s  
95th percentile per-packet one-way delay: 18.353 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 593.06 Mbit/s  
95th percentile per-packet one-way delay: 18.353 ms  
Loss rate: 0.05%

Run 4: Report of LEDBAT — Data Link

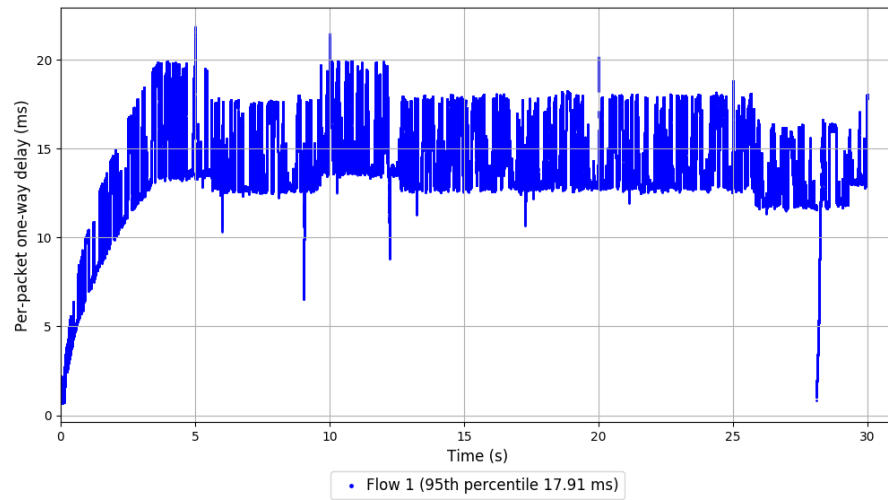
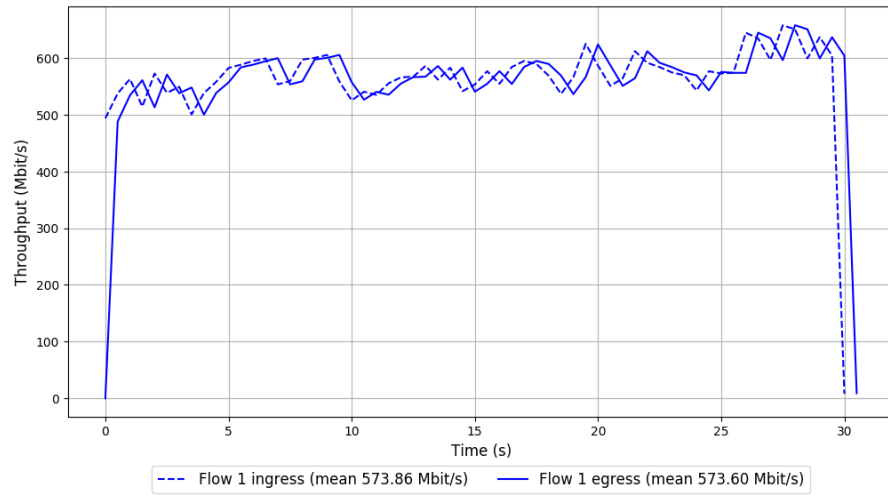


Run 5: Statistics of LEDBAT

Start at: 2019-01-21 07:14:55  
End at: 2019-01-21 07:15:25  
Local clock offset: 2.506 ms  
Remote clock offset: -1.725 ms

# Below is generated by plot.py at 2019-01-21 08:02:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 573.60 Mbit/s  
95th percentile per-packet one-way delay: 17.905 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 573.60 Mbit/s  
95th percentile per-packet one-way delay: 17.905 ms  
Loss rate: 0.05%

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

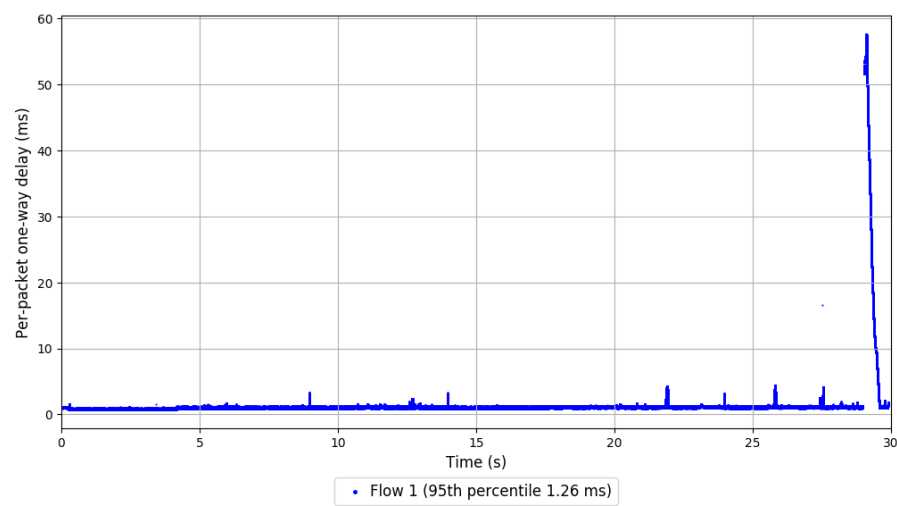
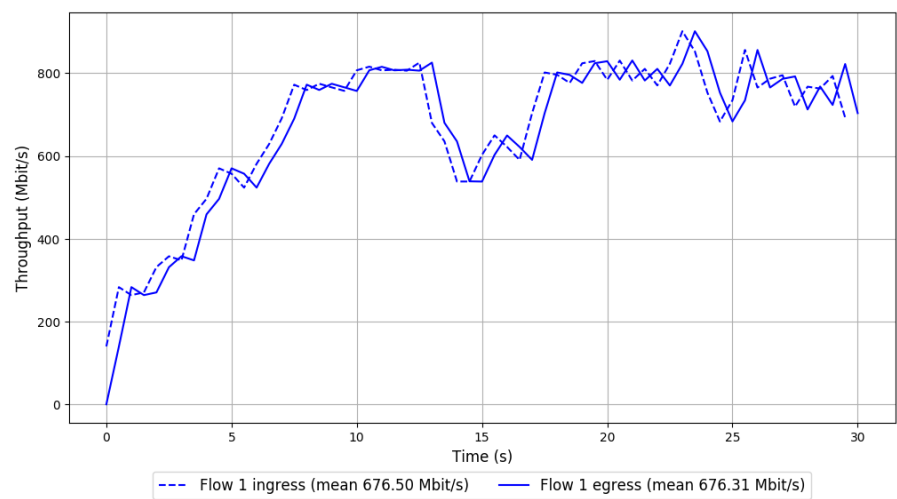


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-01-21 05:09:39
End at: 2019-01-21 05:10:09
Local clock offset: 3.962 ms
Remote clock offset: -5.057 ms

# Below is generated by plot.py at 2019-01-21 08:03:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 676.31 Mbit/s
95th percentile per-packet one-way delay: 1.265 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 676.31 Mbit/s
95th percentile per-packet one-way delay: 1.265 ms
Loss rate: 0.03%
```

Run 1: Report of PCC-Allegro — Data Link



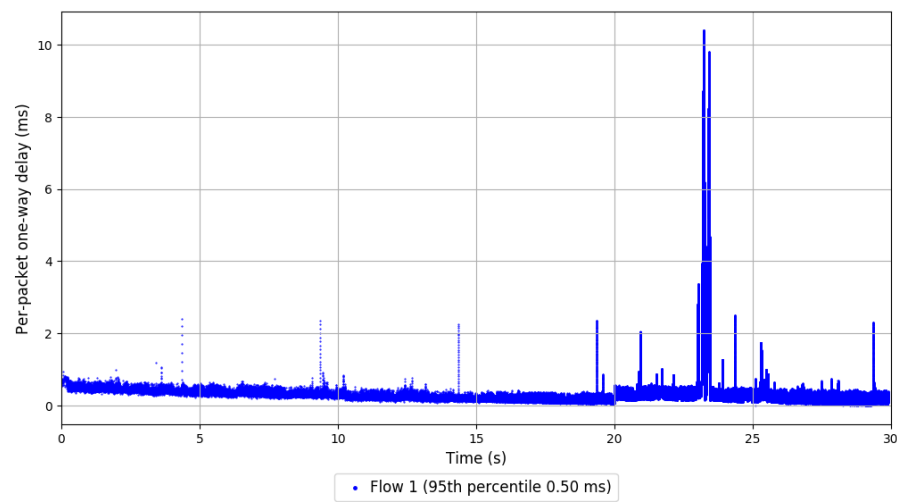
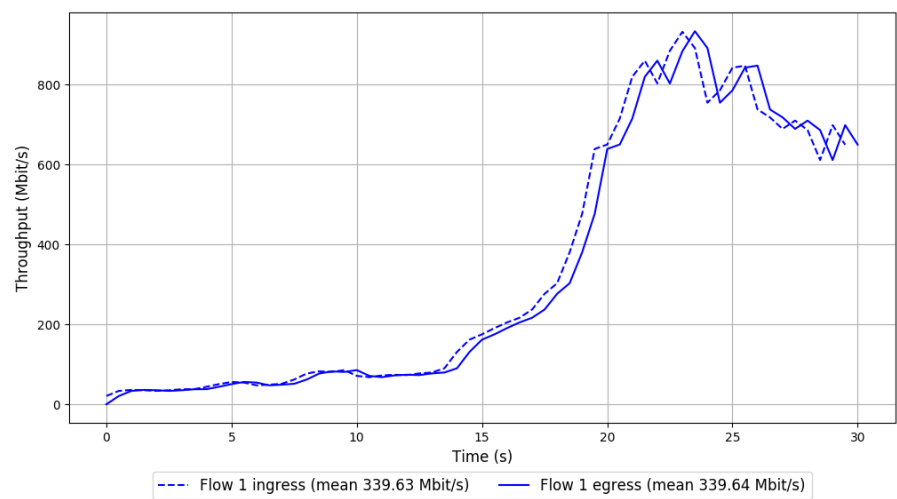


Run 2: Statistics of PCC-Allegro

Start at: 2019-01-21 05:38:41  
End at: 2019-01-21 05:39:11  
Local clock offset: 3.727 ms  
Remote clock offset: -5.405 ms

# Below is generated by plot.py at 2019-01-21 08:03:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 339.64 Mbit/s  
95th percentile per-packet one-way delay: 0.504 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 339.64 Mbit/s  
95th percentile per-packet one-way delay: 0.504 ms  
Loss rate: 0.00%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-01-21 06:07:23

End at: 2019-01-21 06:07:53

Local clock offset: 2.824 ms

Remote clock offset: 6.445 ms

# Below is generated by plot.py at 2019-01-21 08:05:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 727.91 Mbit/s

95th percentile per-packet one-way delay: 1.379 ms

Loss rate: 0.01%

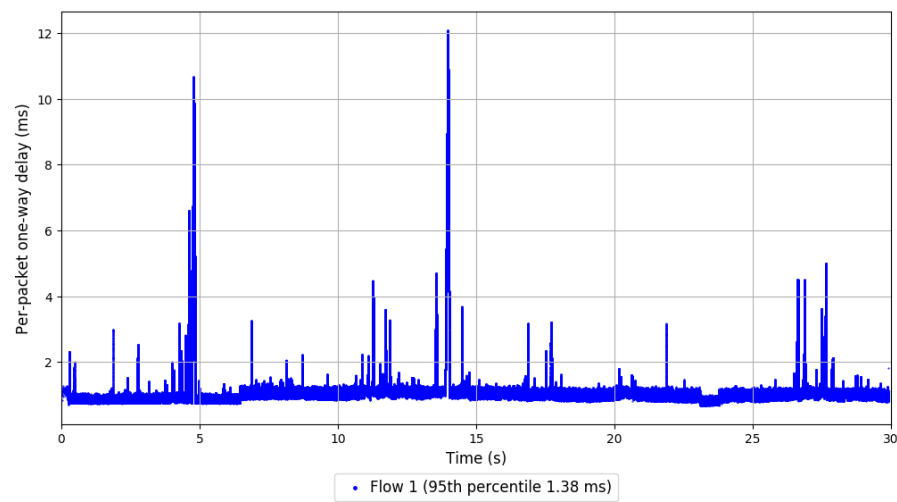
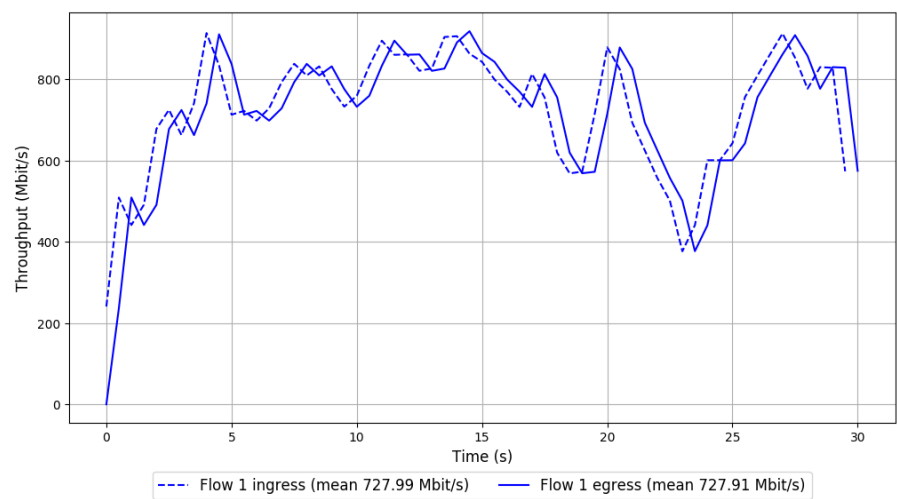
-- Flow 1:

Average throughput: 727.91 Mbit/s

95th percentile per-packet one-way delay: 1.379 ms

Loss rate: 0.01%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-01-21 06:36:18

End at: 2019-01-21 06:36:48

Local clock offset: 3.206 ms

Remote clock offset: 10.148 ms

# Below is generated by plot.py at 2019-01-21 08:07:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 650.51 Mbit/s

95th percentile per-packet one-way delay: 1.168 ms

Loss rate: 0.03%

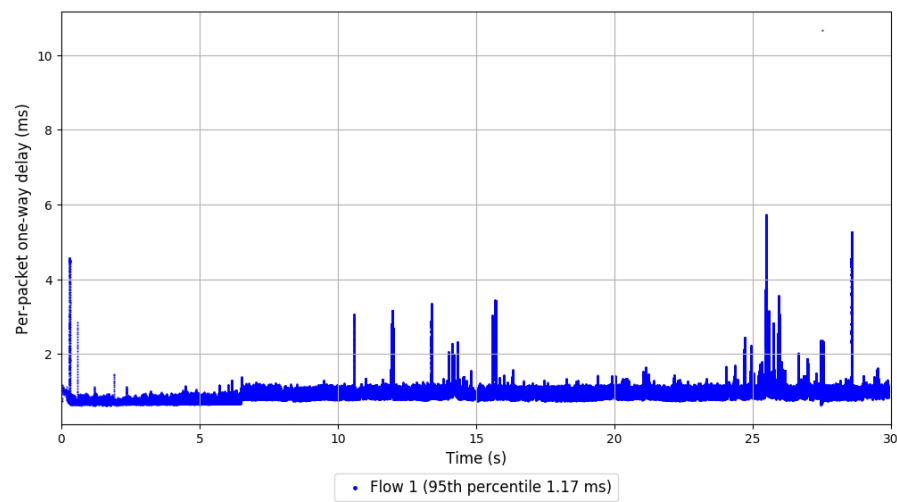
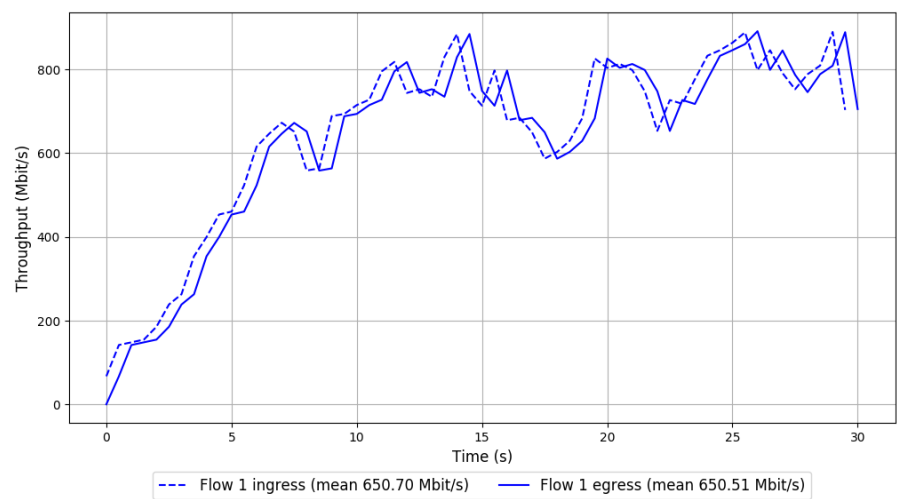
-- Flow 1:

Average throughput: 650.51 Mbit/s

95th percentile per-packet one-way delay: 1.168 ms

Loss rate: 0.03%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-01-21 07:05:25

End at: 2019-01-21 07:05:55

Local clock offset: 2.609 ms

Remote clock offset: -0.202 ms

# Below is generated by plot.py at 2019-01-21 08:07:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 116.63 Mbit/s

95th percentile per-packet one-way delay: 0.982 ms

Loss rate: 0.00%

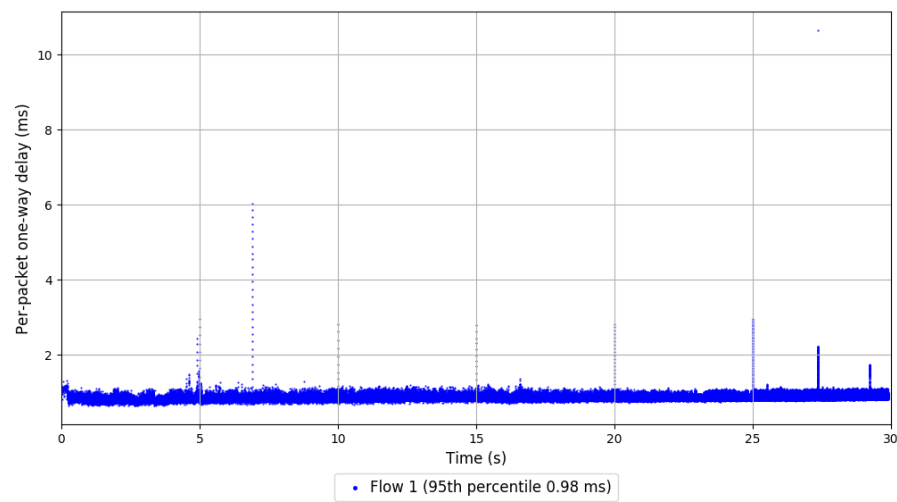
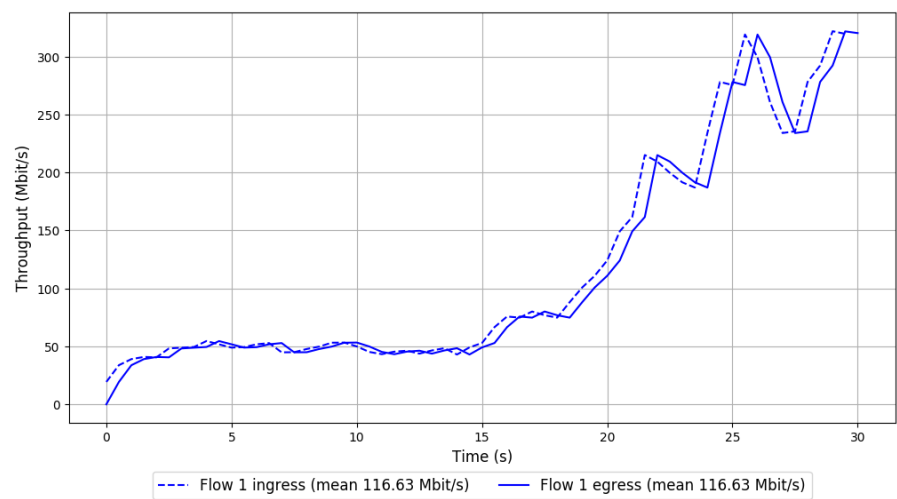
-- Flow 1:

Average throughput: 116.63 Mbit/s

95th percentile per-packet one-way delay: 0.982 ms

Loss rate: 0.00%

Run 5: Report of PCC-Allegro — Data Link





Run 1: Statistics of PCC-Expr

Start at: 2019-01-21 05:16:53

End at: 2019-01-21 05:17:23

Local clock offset: 4.121 ms

Remote clock offset: -5.371 ms

# Below is generated by plot.py at 2019-01-21 08:07:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.48 Mbit/s

95th percentile per-packet one-way delay: 1.163 ms

Loss rate: 52.87%

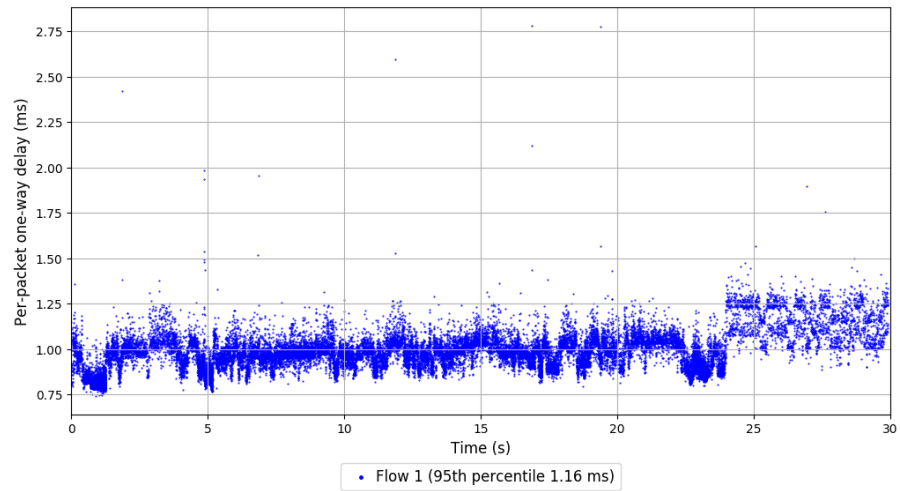
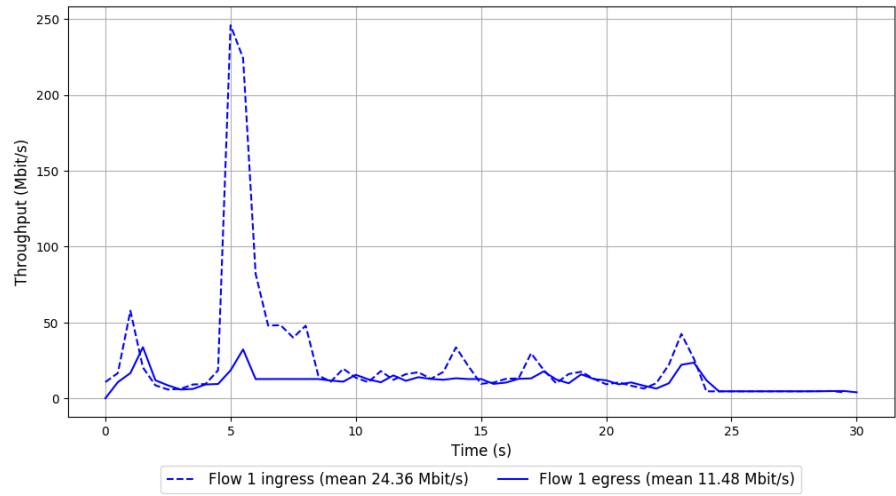
-- Flow 1:

Average throughput: 11.48 Mbit/s

95th percentile per-packet one-way delay: 1.163 ms

Loss rate: 52.87%

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



Run 2: Statistics of PCC-Expr

Start at: 2019-01-21 05:45:45

End at: 2019-01-21 05:46:15

Local clock offset: 3.845 ms

Remote clock offset: 0.429 ms

# Below is generated by plot.py at 2019-01-21 08:07:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.50 Mbit/s

95th percentile per-packet one-way delay: 1.098 ms

Loss rate: 0.00%

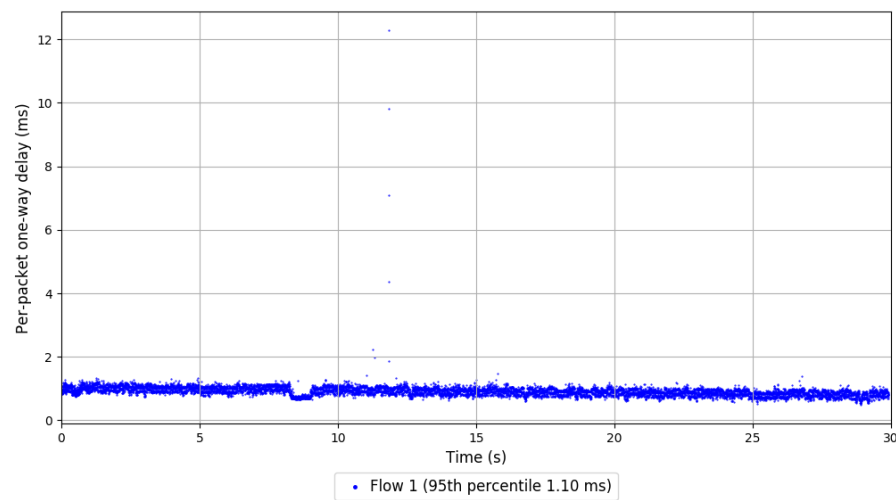
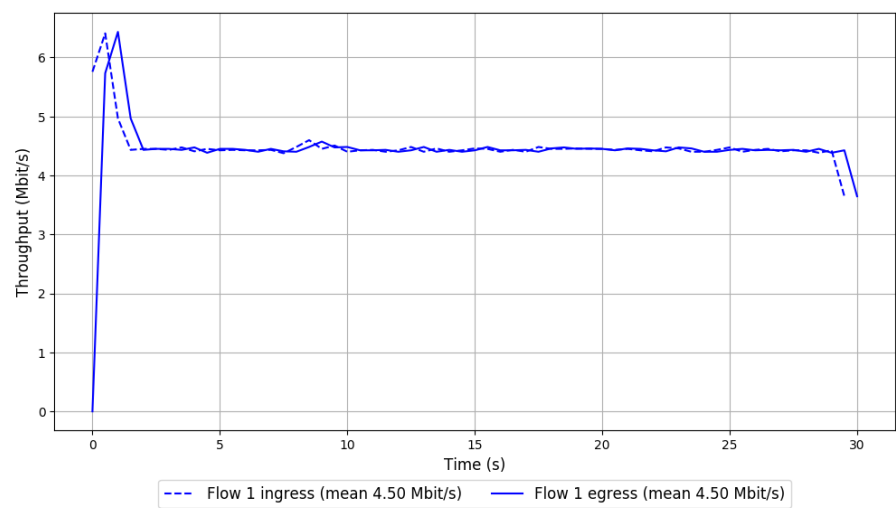
-- Flow 1:

Average throughput: 4.50 Mbit/s

95th percentile per-packet one-way delay: 1.098 ms

Loss rate: 0.00%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-01-21 06:14:37

End at: 2019-01-21 06:15:07

Local clock offset: 2.738 ms

Remote clock offset: 7.487 ms

# Below is generated by plot.py at 2019-01-21 08:07:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.32 Mbit/s

95th percentile per-packet one-way delay: 1.226 ms

Loss rate: 0.00%

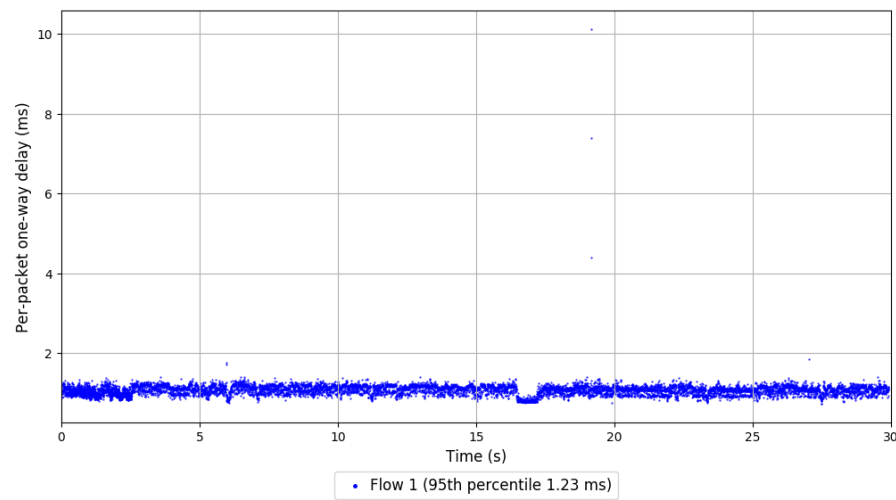
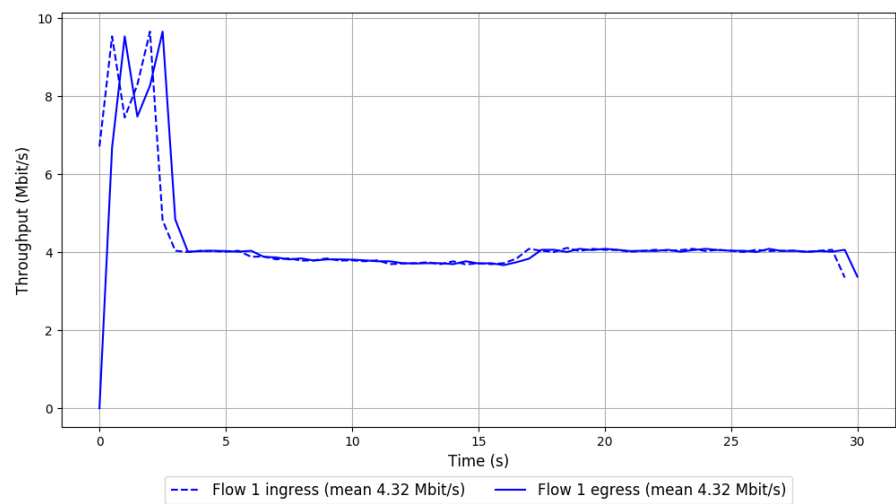
-- Flow 1:

Average throughput: 4.32 Mbit/s

95th percentile per-packet one-way delay: 1.226 ms

Loss rate: 0.00%

Run 3: Report of PCC-Expr — Data Link

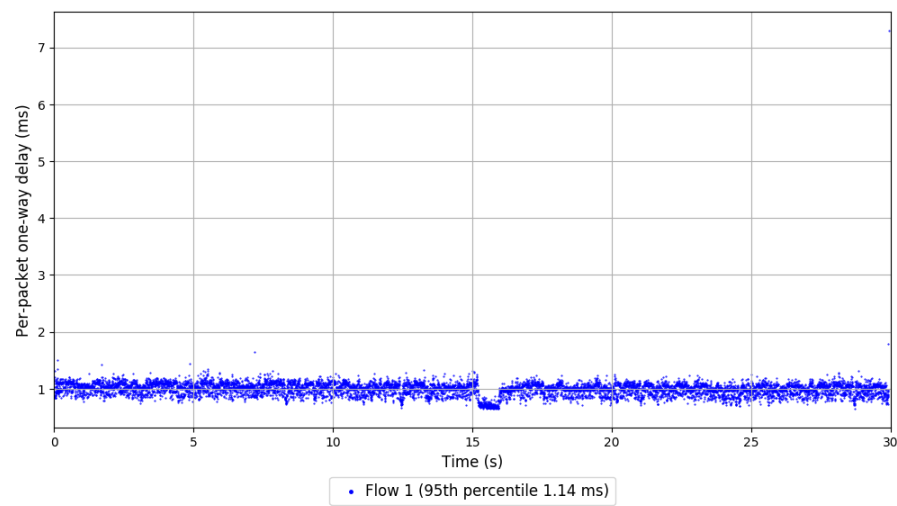
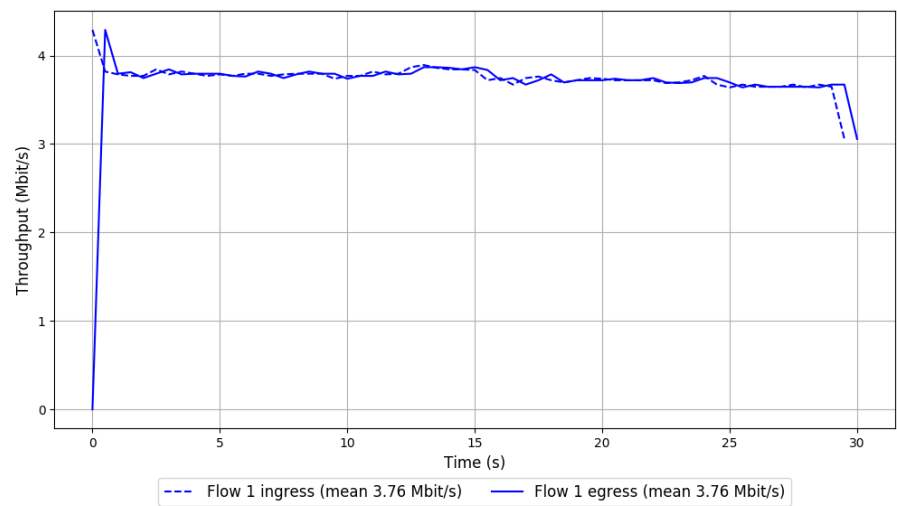


Run 4: Statistics of PCC-Expr

Start at: 2019-01-21 06:43:38  
End at: 2019-01-21 06:44:08  
Local clock offset: 3.266 ms  
Remote clock offset: 11.046 ms

# Below is generated by plot.py at 2019-01-21 08:07:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 3.76 Mbit/s  
95th percentile per-packet one-way delay: 1.141 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 3.76 Mbit/s  
95th percentile per-packet one-way delay: 1.141 ms  
Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link



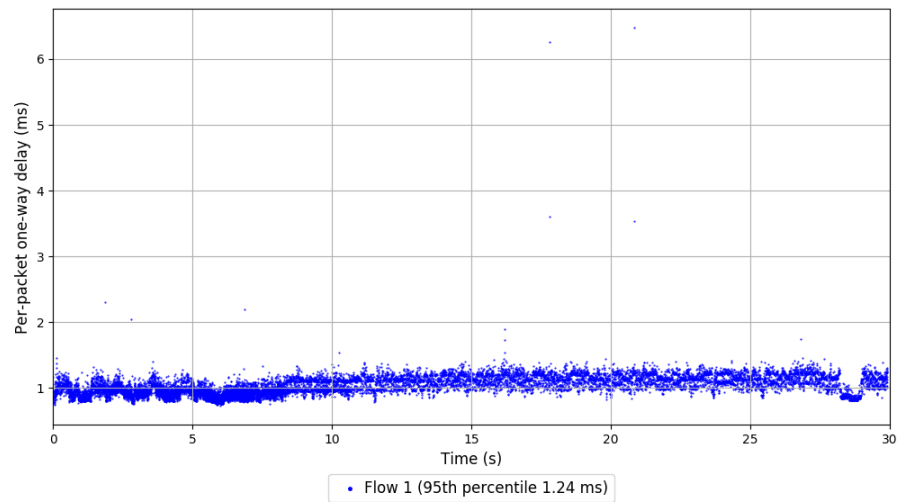
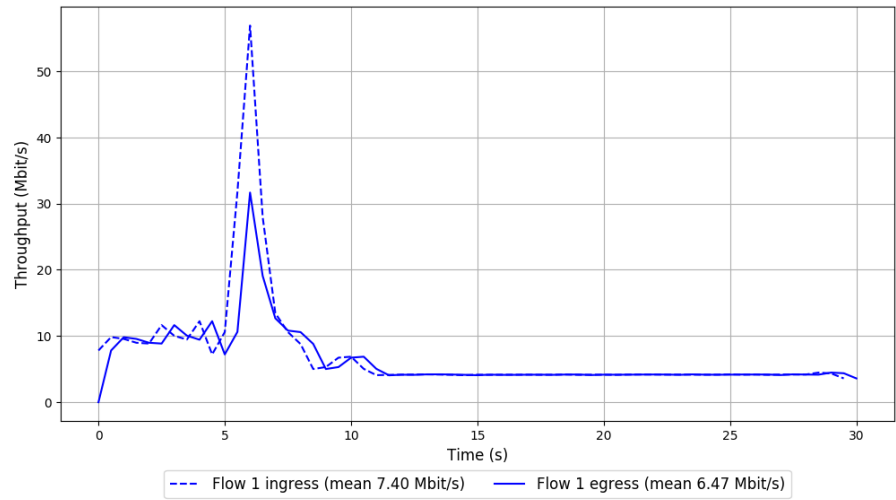


Run 5: Statistics of PCC-Expr

Start at: 2019-01-21 07:12:25  
End at: 2019-01-21 07:12:55  
Local clock offset: 2.525 ms  
Remote clock offset: -1.362 ms

# Below is generated by plot.py at 2019-01-21 08:07:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 6.47 Mbit/s  
95th percentile per-packet one-way delay: 1.241 ms  
Loss rate: 12.60%  
-- Flow 1:  
Average throughput: 6.47 Mbit/s  
95th percentile per-packet one-way delay: 1.241 ms  
Loss rate: 12.60%

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

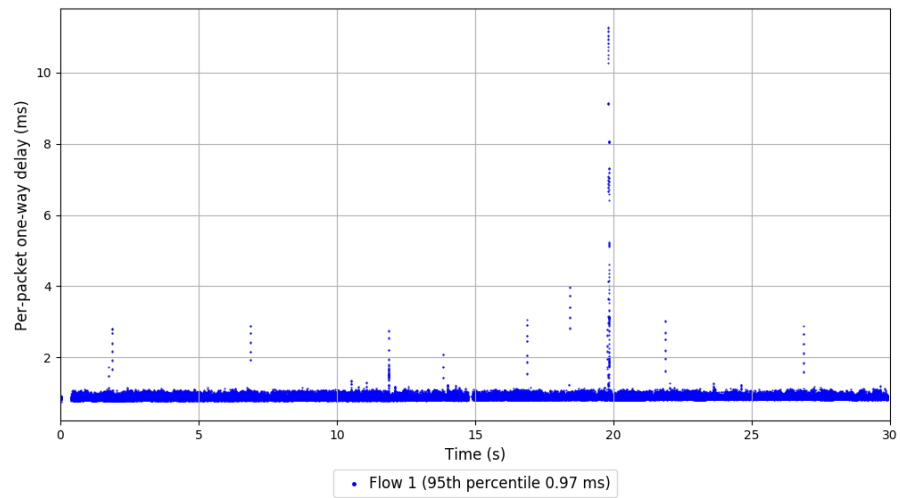
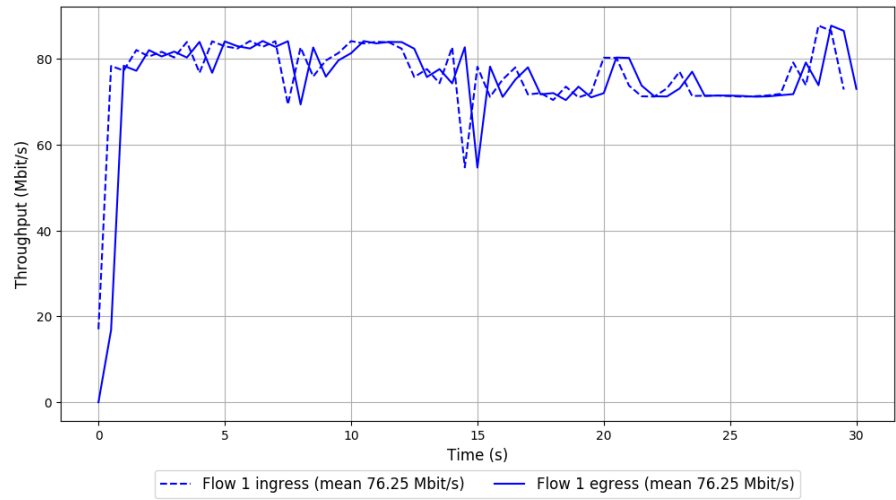


Run 1: Statistics of QUIC Cubic

Start at: 2019-01-21 05:07:11  
End at: 2019-01-21 05:07:41  
Local clock offset: 3.93 ms  
Remote clock offset: -4.855 ms

# Below is generated by plot.py at 2019-01-21 08:07:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 76.25 Mbit/s  
95th percentile per-packet one-way delay: 0.970 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 76.25 Mbit/s  
95th percentile per-packet one-way delay: 0.970 ms  
Loss rate: 0.00%

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



Run 2: Statistics of QUIC Cubic

Start at: 2019-01-21 05:36:12

End at: 2019-01-21 05:36:42

Local clock offset: 3.726 ms

Remote clock offset: -6.268 ms

# Below is generated by plot.py at 2019-01-21 08:07:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 79.45 Mbit/s

95th percentile per-packet one-way delay: 0.993 ms

Loss rate: 0.00%

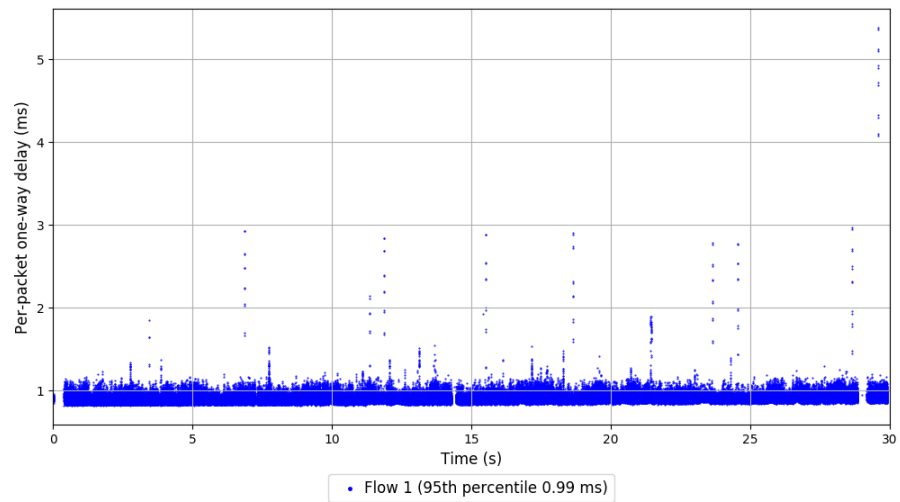
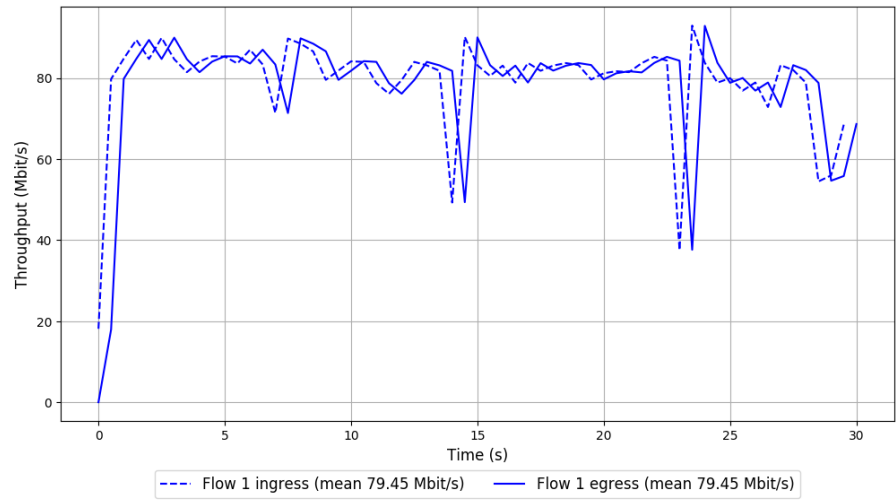
-- Flow 1:

Average throughput: 79.45 Mbit/s

95th percentile per-packet one-way delay: 0.993 ms

Loss rate: 0.00%

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



Run 3: Statistics of QUIC Cubic

Start at: 2019-01-21 06:04:55

End at: 2019-01-21 06:05:25

Local clock offset: 2.852 ms

Remote clock offset: 5.994 ms

# Below is generated by plot.py at 2019-01-21 08:07:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.54 Mbit/s

95th percentile per-packet one-way delay: 0.807 ms

Loss rate: 0.00%

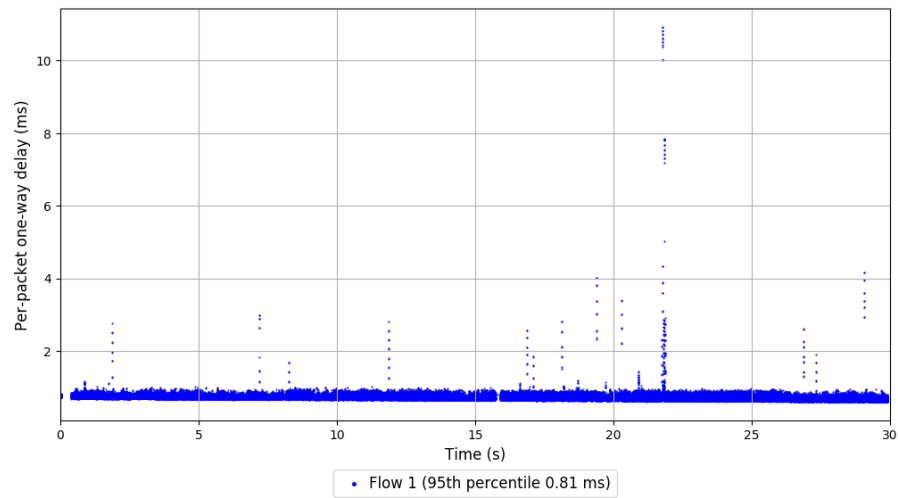
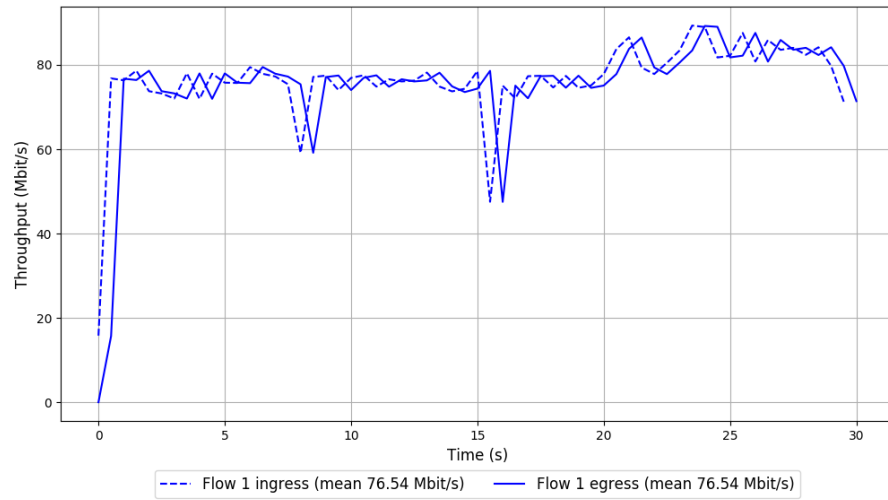
-- Flow 1:

Average throughput: 76.54 Mbit/s

95th percentile per-packet one-way delay: 0.807 ms

Loss rate: 0.00%

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





Run 4: Statistics of QUIC Cubic

Start at: 2019-01-21 06:33:50

End at: 2019-01-21 06:34:20

Local clock offset: 3.171 ms

Remote clock offset: 9.881 ms

# Below is generated by plot.py at 2019-01-21 08:07:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 74.51 Mbit/s

95th percentile per-packet one-way delay: 0.820 ms

Loss rate: 0.00%

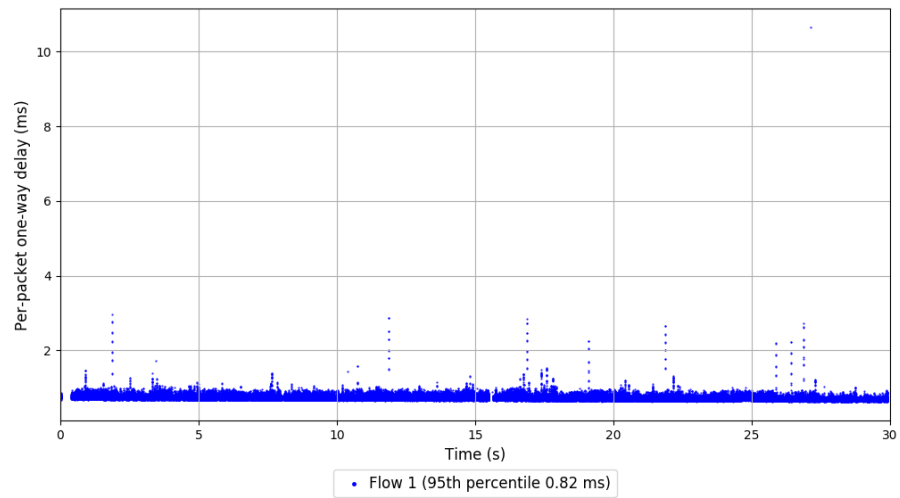
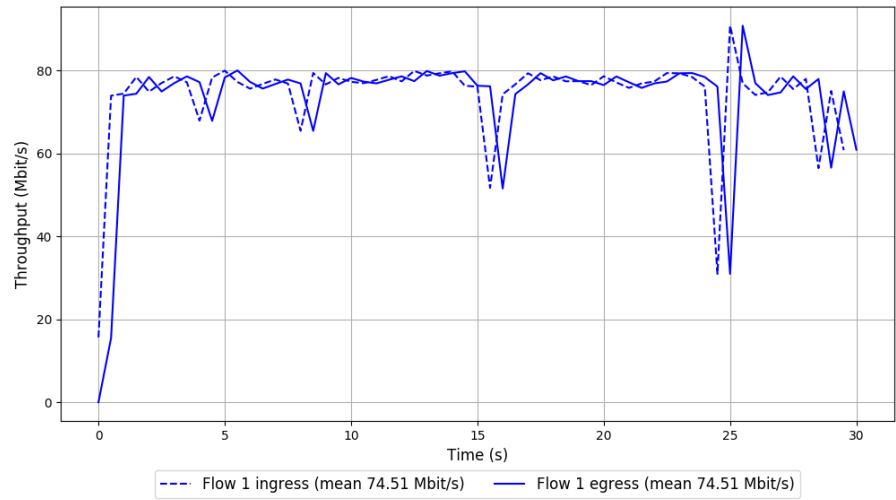
-- Flow 1:

Average throughput: 74.51 Mbit/s

95th percentile per-packet one-way delay: 0.820 ms

Loss rate: 0.00%

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



Run 5: Statistics of QUIC Cubic

Start at: 2019-01-21 07:02:57

End at: 2019-01-21 07:03:27

Local clock offset: 2.648 ms

Remote clock offset: 0.359 ms

# Below is generated by plot.py at 2019-01-21 08:07:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.63 Mbit/s

95th percentile per-packet one-way delay: 0.920 ms

Loss rate: 0.00%

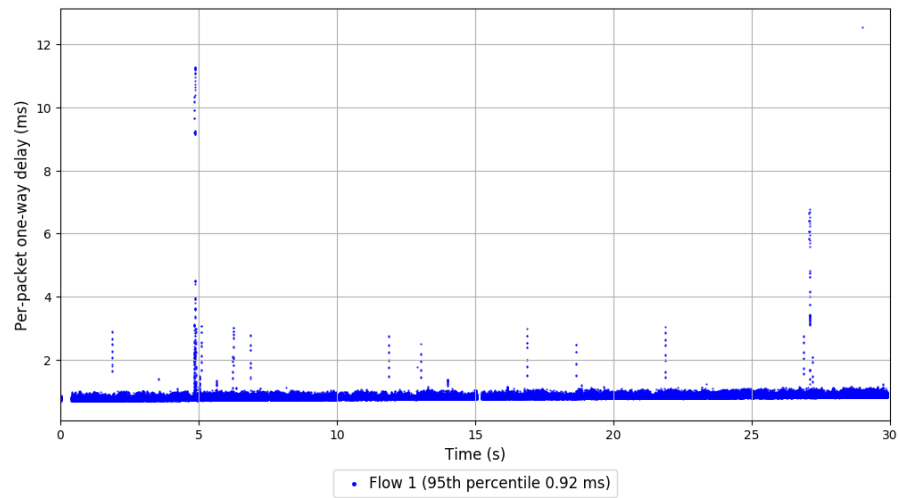
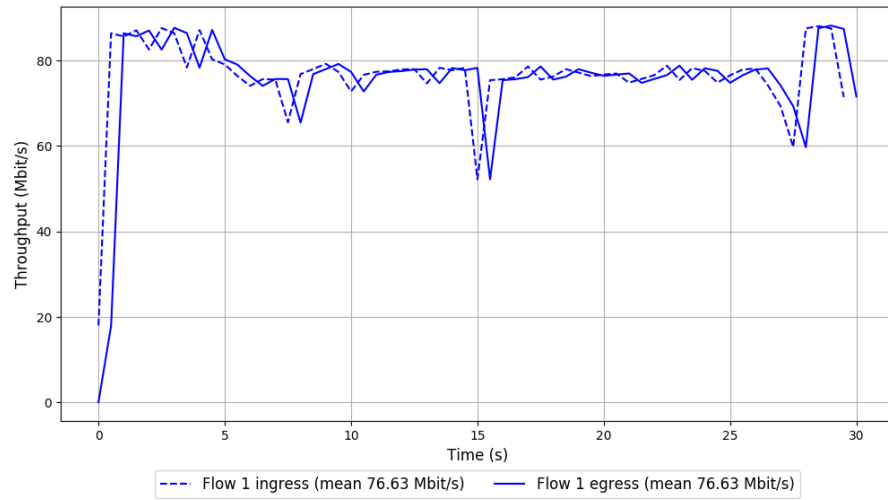
-- Flow 1:

Average throughput: 76.63 Mbit/s

95th percentile per-packet one-way delay: 0.920 ms

Loss rate: 0.00%

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

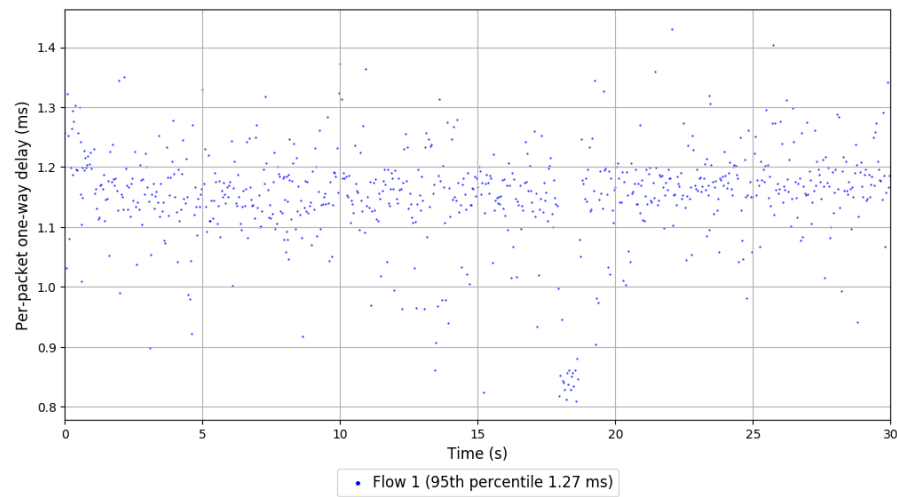
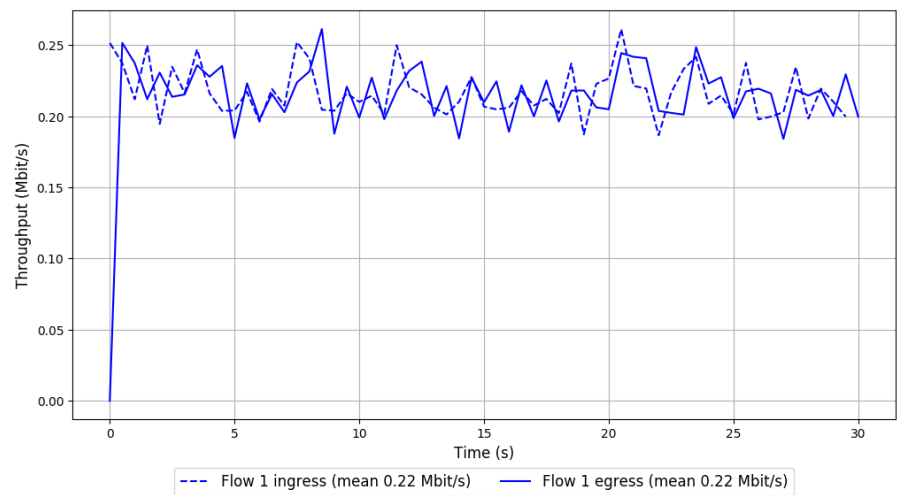


Run 1: Statistics of SCReAM

Start at: 2019-01-21 05:03:06  
End at: 2019-01-21 05:03:36  
Local clock offset: 3.913 ms  
Remote clock offset: -4.611 ms

# Below is generated by plot.py at 2019-01-21 08:07:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.271 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.271 ms  
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

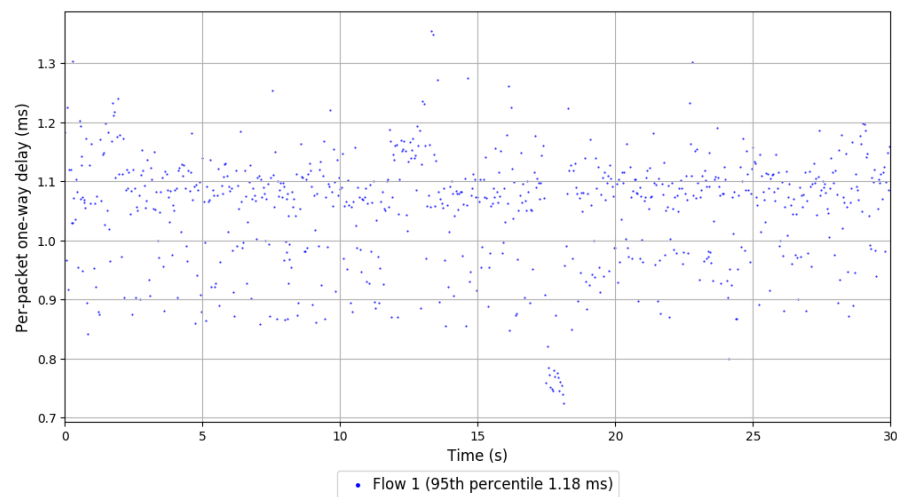
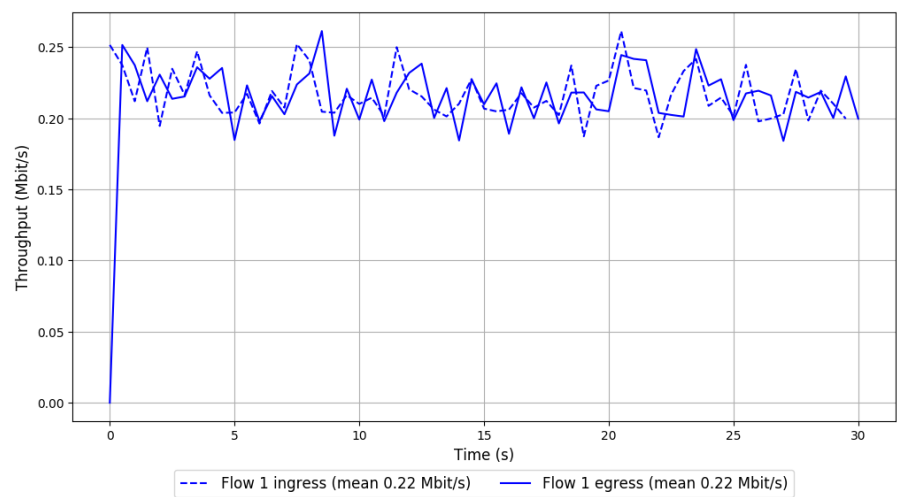


Run 2: Statistics of SCReAM

Start at: 2019-01-21 05:32:06  
End at: 2019-01-21 05:32:36  
Local clock offset: 3.704 ms  
Remote clock offset: -6.173 ms

# Below is generated by plot.py at 2019-01-21 08:07:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.177 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.177 ms  
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link





Run 3: Statistics of SCReAM

Start at: 2019-01-21 06:00:52

End at: 2019-01-21 06:01:22

Local clock offset: 2.97 ms

Remote clock offset: 5.226 ms

# Below is generated by plot.py at 2019-01-21 08:07:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.082 ms

Loss rate: 0.00%

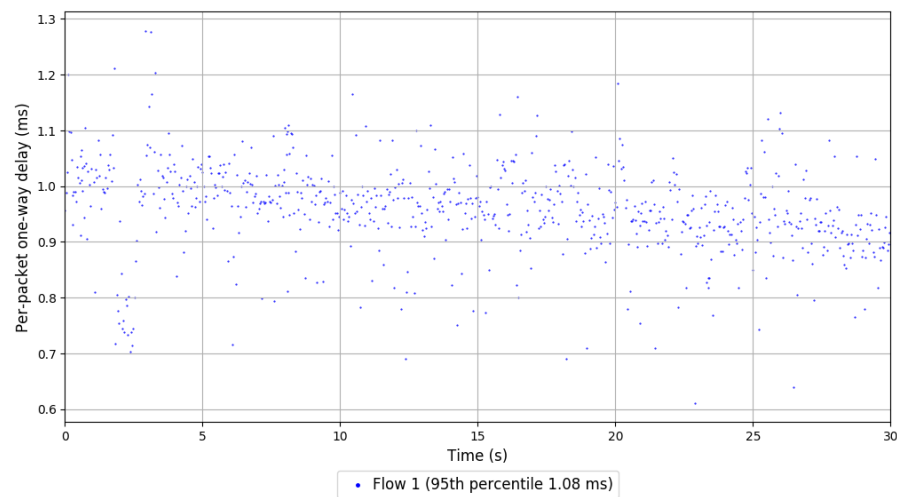
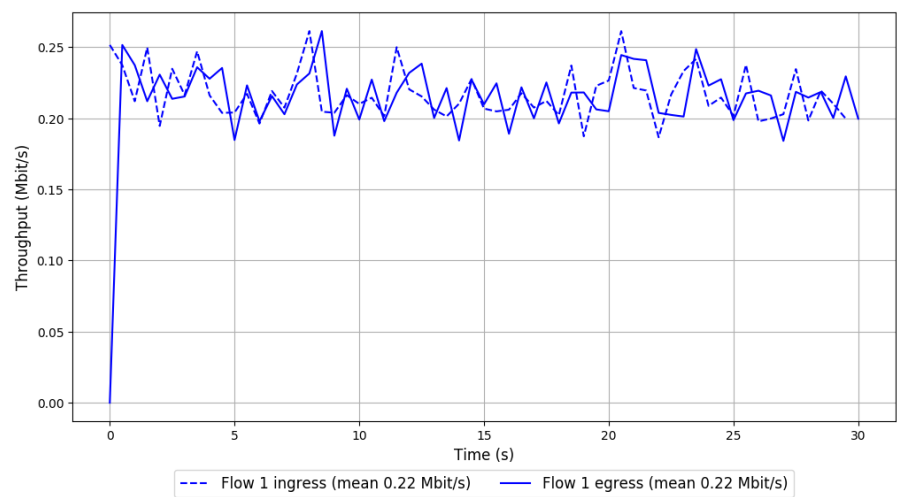
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.082 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2019-01-21 06:29:47

End at: 2019-01-21 06:30:17

Local clock offset: 3.096 ms

Remote clock offset: 9.38 ms

# Below is generated by plot.py at 2019-01-21 08:07:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.153 ms

Loss rate: 0.00%

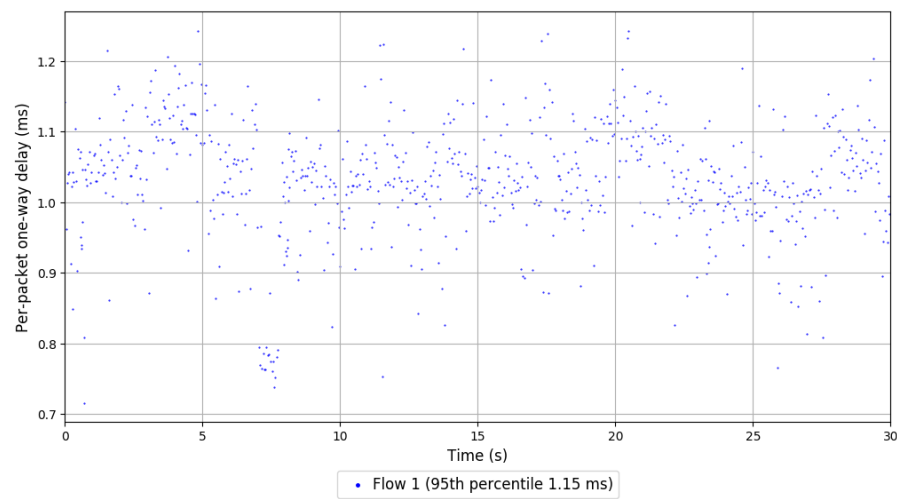
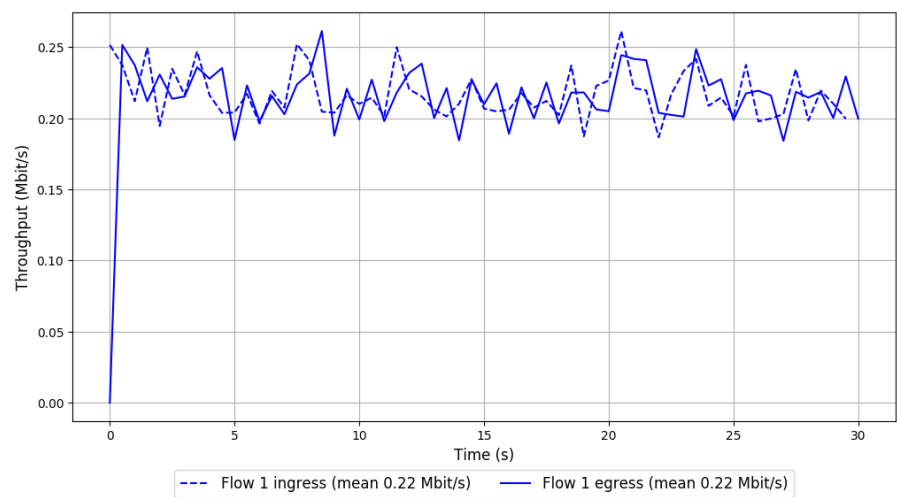
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.153 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2019-01-21 06:58:47

End at: 2019-01-21 06:59:17

Local clock offset: 2.774 ms

Remote clock offset: 1.78 ms

# Below is generated by plot.py at 2019-01-21 08:07:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.447 ms

Loss rate: 0.00%

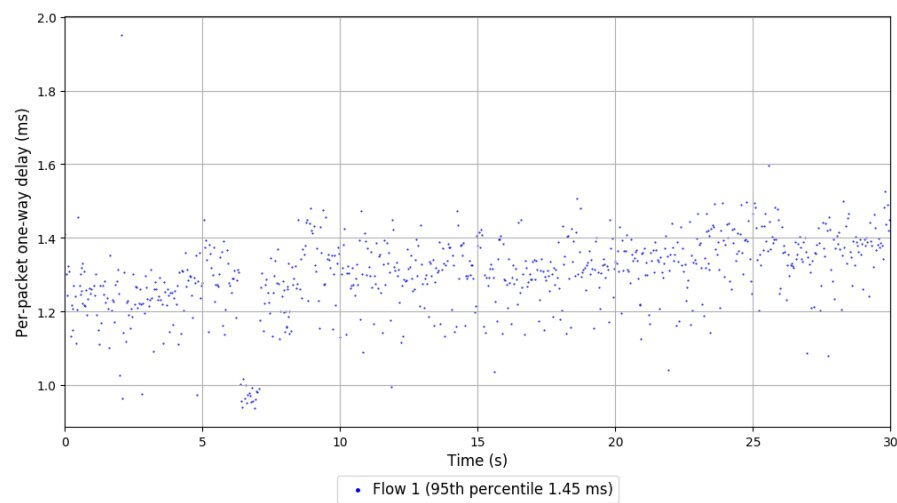
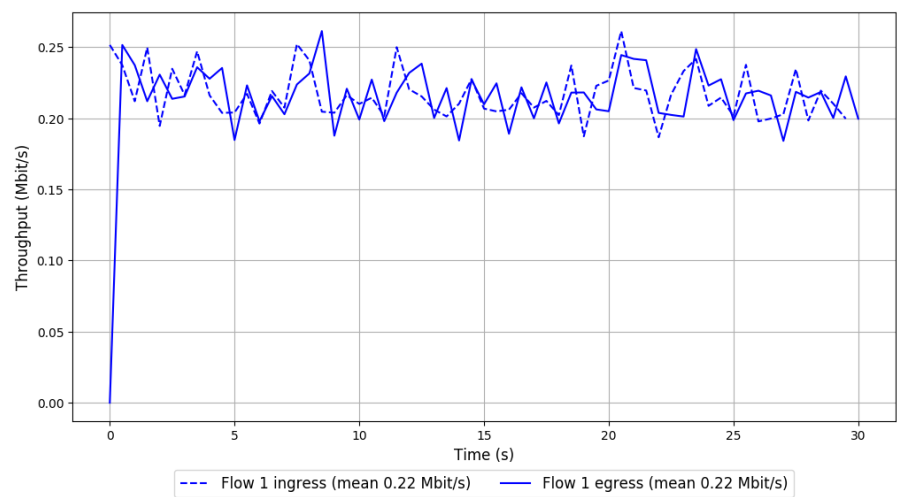
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.447 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

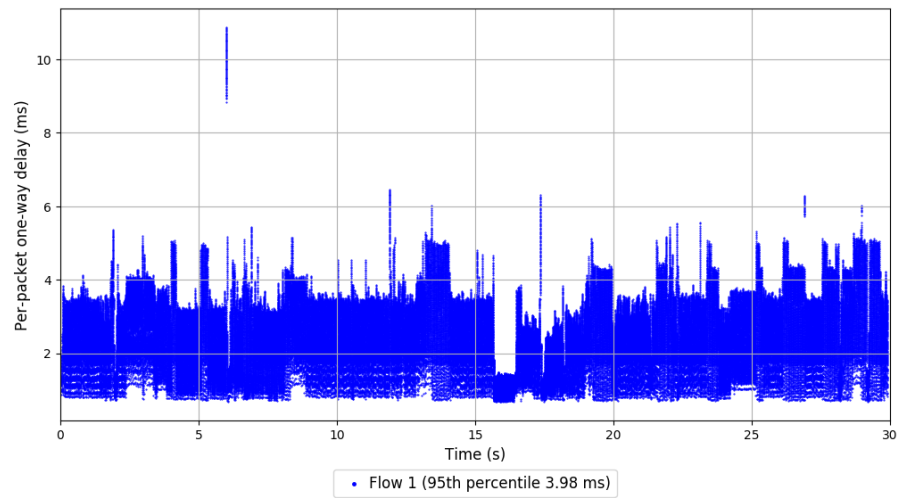
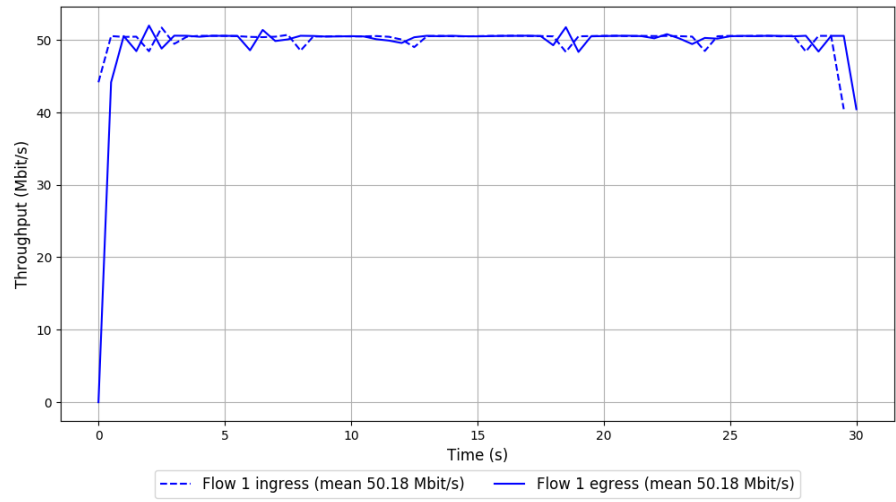


Run 1: Statistics of Sprout

Start at: 2019-01-21 04:54:38  
End at: 2019-01-21 04:55:08  
Local clock offset: 4.21 ms  
Remote clock offset: -4.147 ms

# Below is generated by plot.py at 2019-01-21 08:07:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 50.18 Mbit/s  
95th percentile per-packet one-way delay: 3.979 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 50.18 Mbit/s  
95th percentile per-packet one-way delay: 3.979 ms  
Loss rate: 0.00%

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



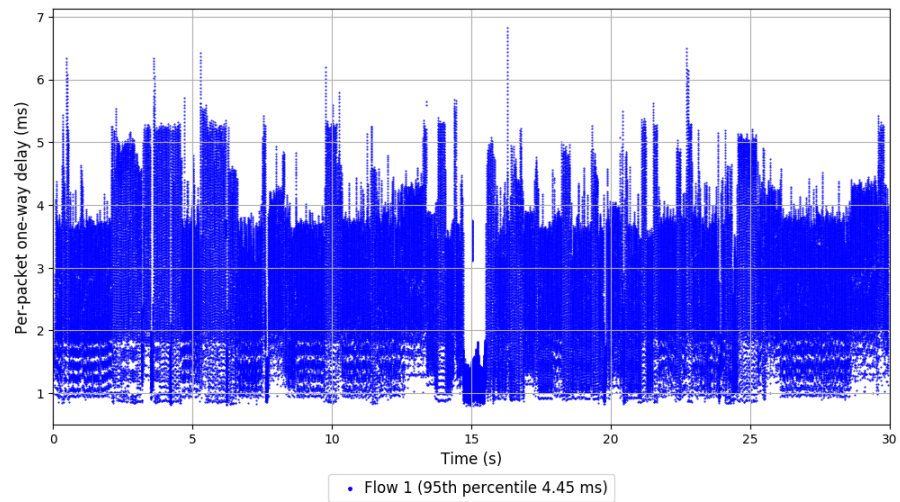
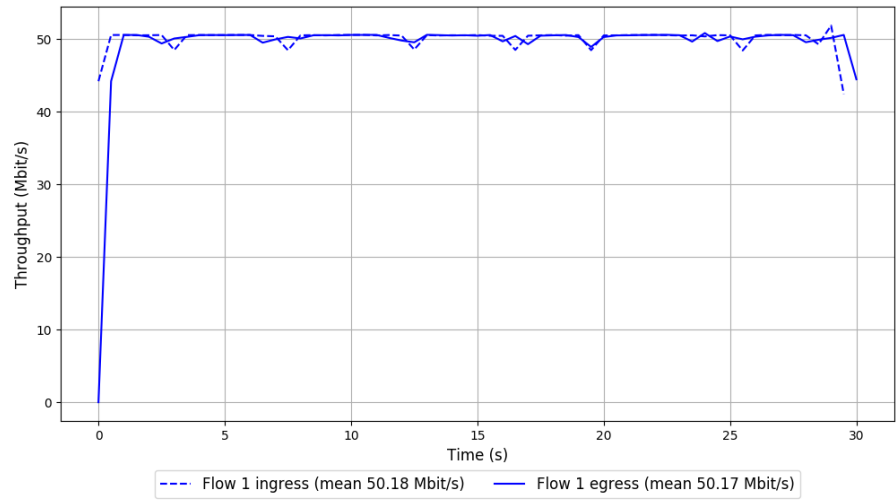


Run 2: Statistics of Sprout

Start at: 2019-01-21 05:23:39  
End at: 2019-01-21 05:24:09  
Local clock offset: 3.858 ms  
Remote clock offset: -5.661 ms

# Below is generated by plot.py at 2019-01-21 08:07:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 50.17 Mbit/s  
95th percentile per-packet one-way delay: 4.446 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 50.17 Mbit/s  
95th percentile per-packet one-way delay: 4.446 ms  
Loss rate: 0.00%

## Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2019-01-21 05:52:30

End at: 2019-01-21 05:53:00

Local clock offset: 3.475 ms

Remote clock offset: 3.222 ms

# Below is generated by plot.py at 2019-01-21 08:07:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 50.09 Mbit/s

95th percentile per-packet one-way delay: 3.788 ms

Loss rate: 0.02%

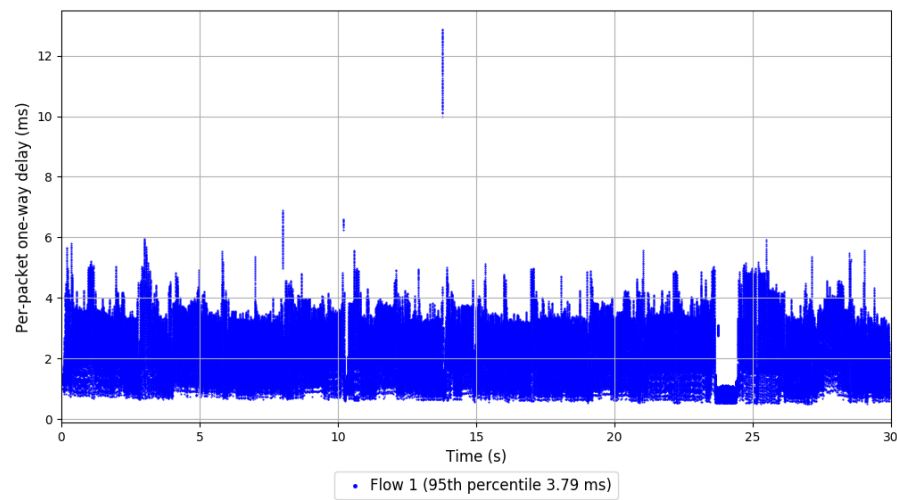
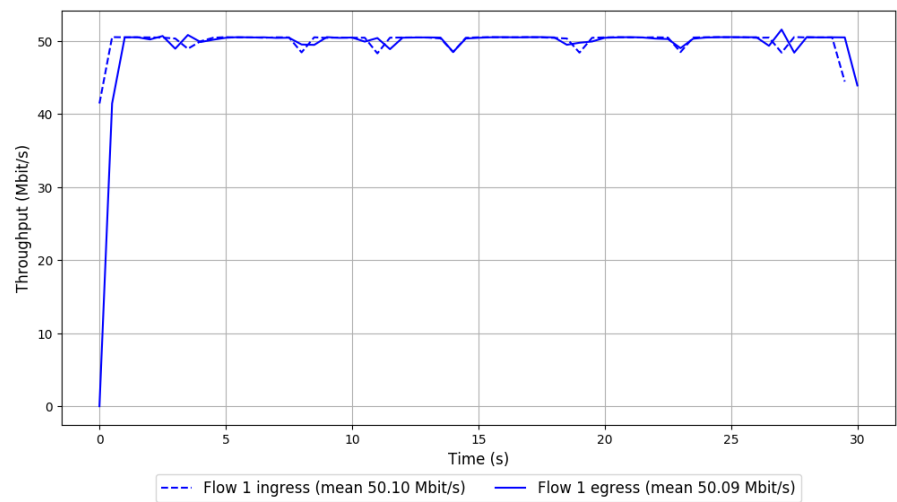
-- Flow 1:

Average throughput: 50.09 Mbit/s

95th percentile per-packet one-way delay: 3.788 ms

Loss rate: 0.02%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2019-01-21 06:21:18

End at: 2019-01-21 06:21:48

Local clock offset: 2.852 ms

Remote clock offset: 8.364 ms

# Below is generated by plot.py at 2019-01-21 08:07:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 50.03 Mbit/s

95th percentile per-packet one-way delay: 4.196 ms

Loss rate: 0.00%

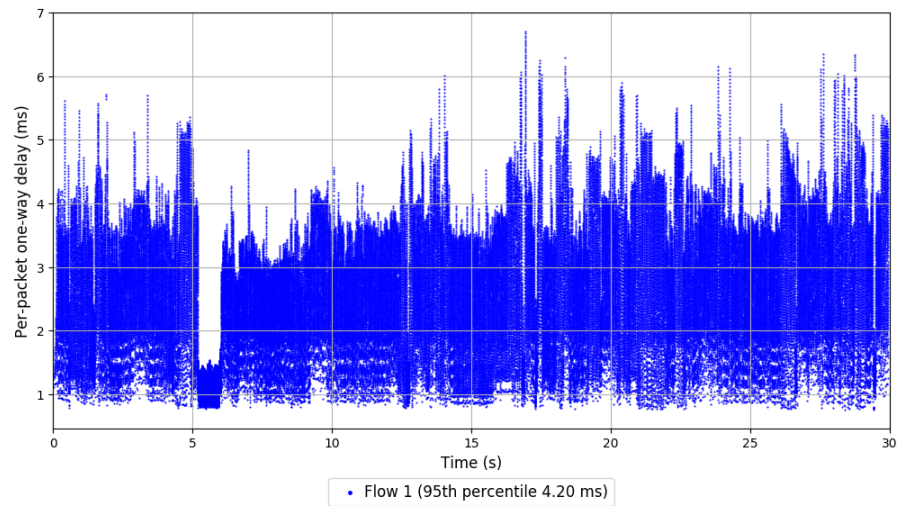
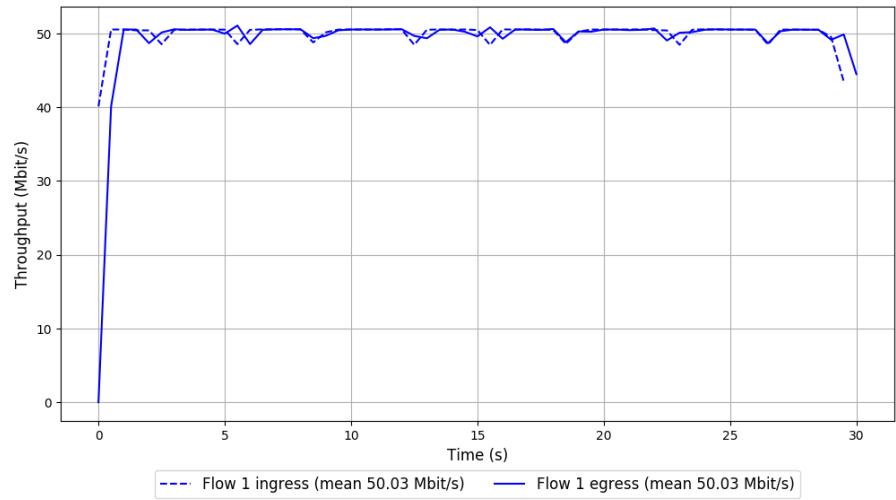
-- Flow 1:

Average throughput: 50.03 Mbit/s

95th percentile per-packet one-way delay: 4.196 ms

Loss rate: 0.00%

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



Run 5: Statistics of Sprout

Start at: 2019-01-21 06:50:22

End at: 2019-01-21 06:50:52

Local clock offset: 3.182 ms

Remote clock offset: 6.67 ms

# Below is generated by plot.py at 2019-01-21 08:07:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 50.10 Mbit/s

95th percentile per-packet one-way delay: 4.415 ms

Loss rate: 0.00%

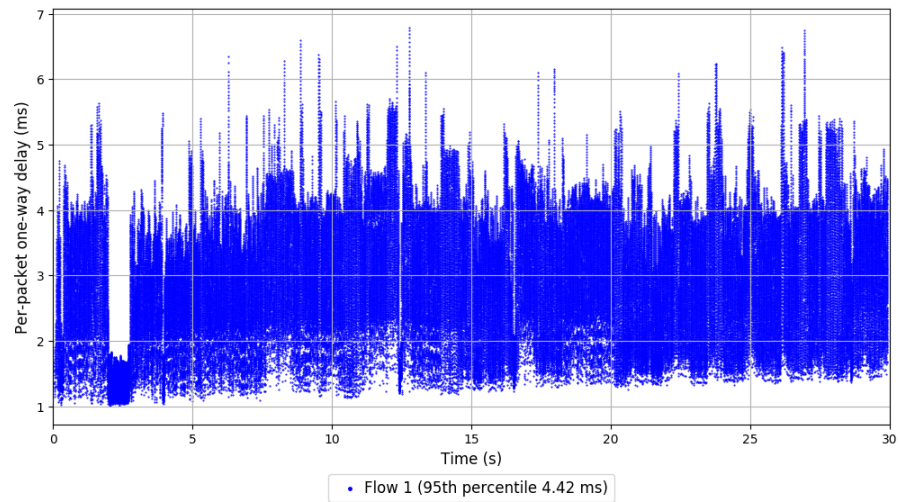
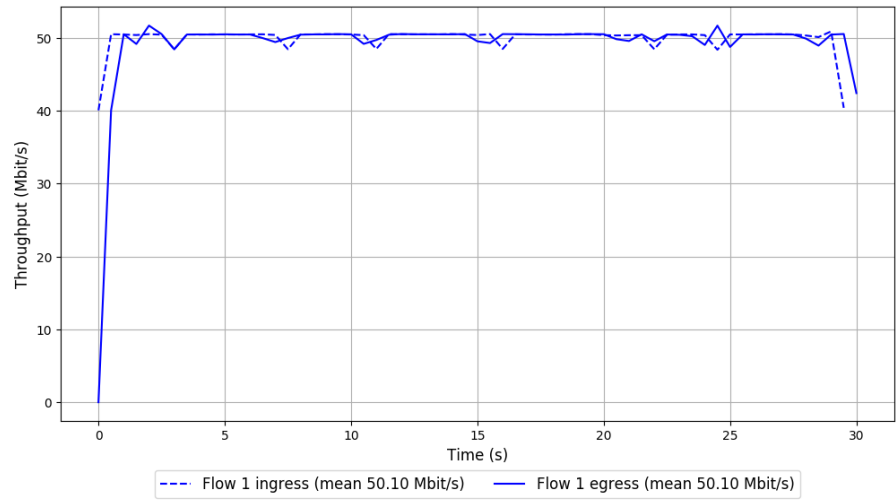
-- Flow 1:

Average throughput: 50.10 Mbit/s

95th percentile per-packet one-way delay: 4.415 ms

Loss rate: 0.00%

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





Run 1: Statistics of TaoVA-100x

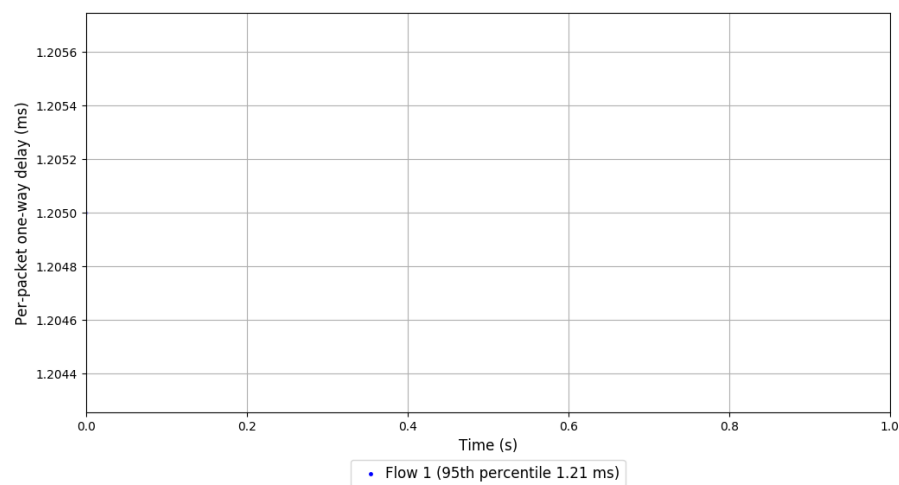
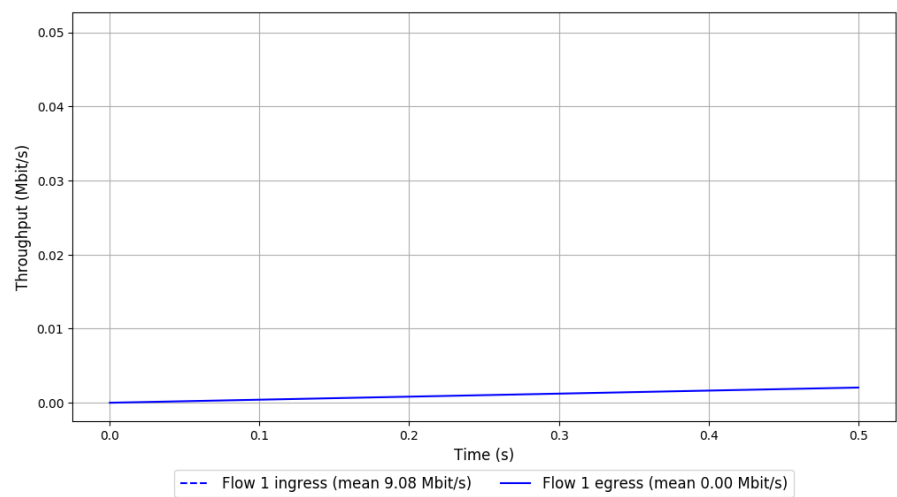
Start at: 2019-01-21 04:53:25

End at: 2019-01-21 04:53:55

Local clock offset: 4.308 ms

Remote clock offset: -4.005 ms

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



Run 2: Statistics of TaoVA-100x

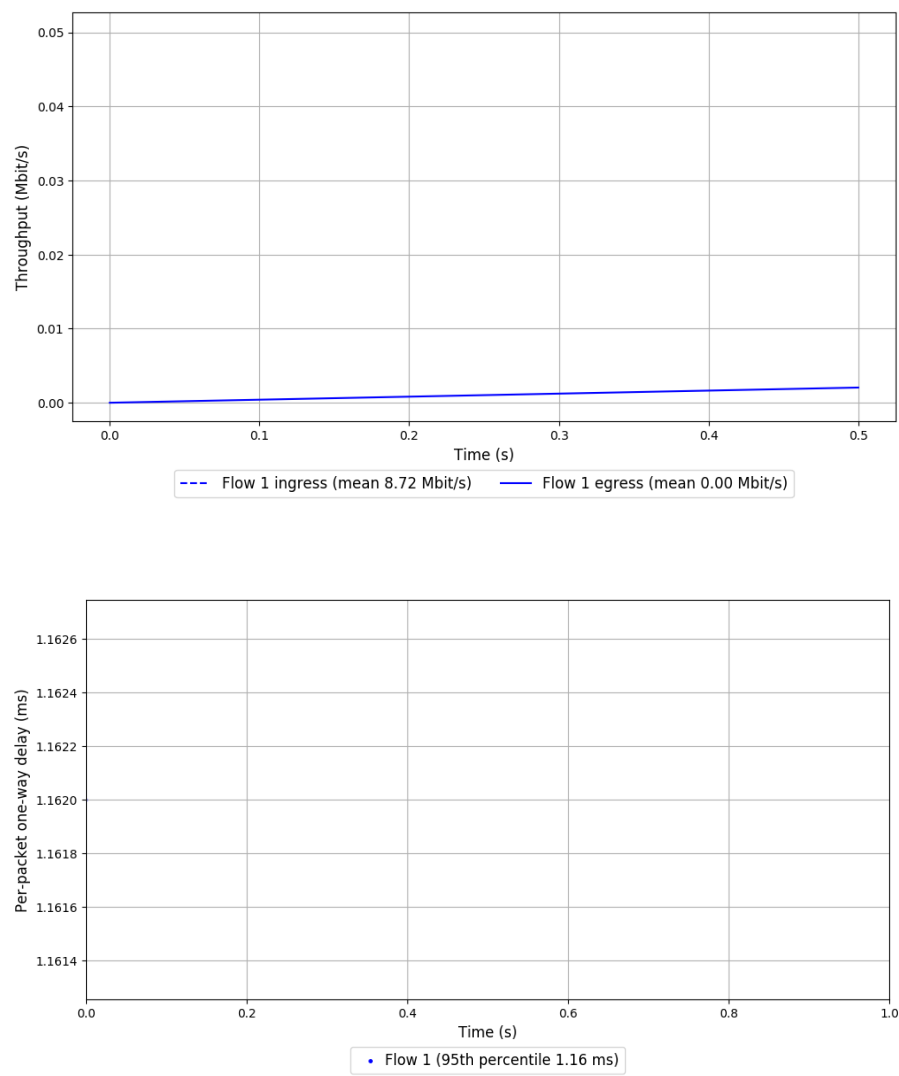
Start at: 2019-01-21 05:22:26

End at: 2019-01-21 05:22:56

Local clock offset: 3.927 ms

Remote clock offset: -5.685 ms

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



Run 3: Statistics of TaoVA-100x

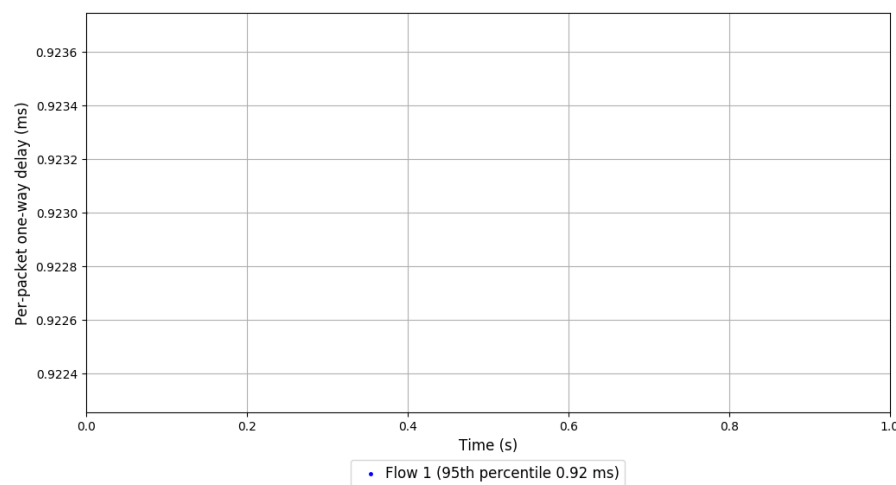
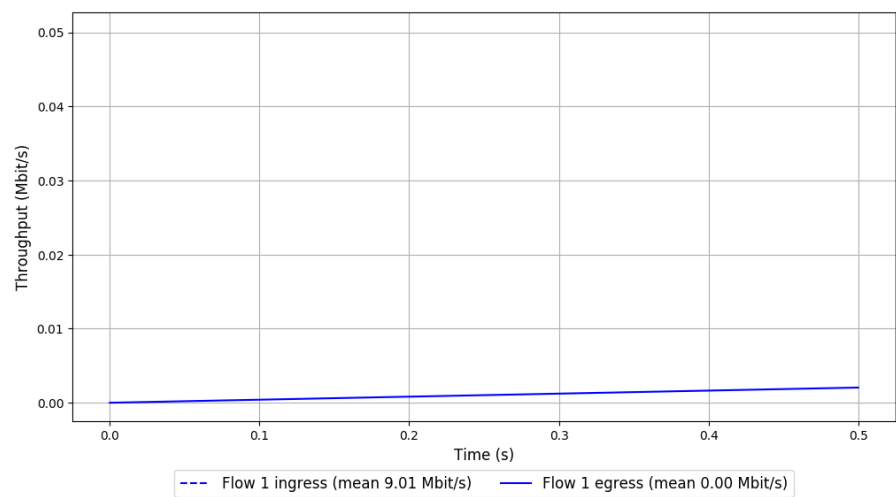
Start at: 2019-01-21 05:51:17

End at: 2019-01-21 05:51:47

Local clock offset: 3.587 ms

Remote clock offset: 2.729 ms

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



Run 4: Statistics of TaoVA-100x

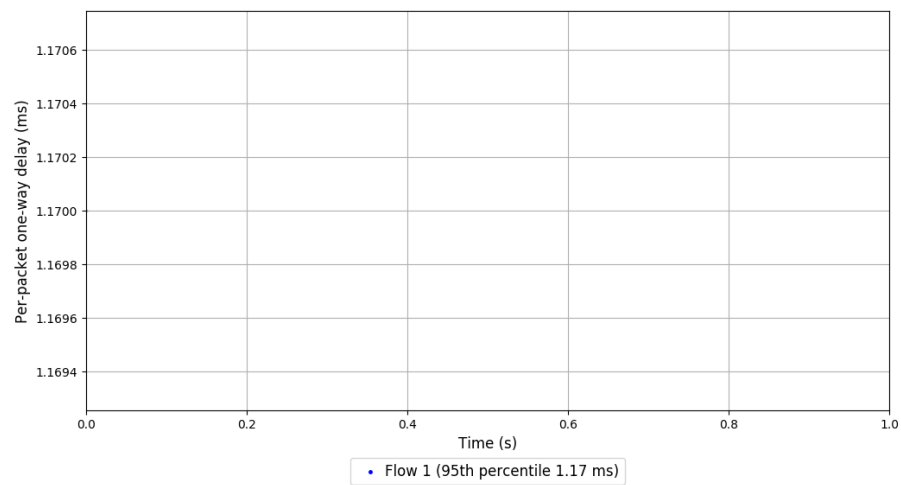
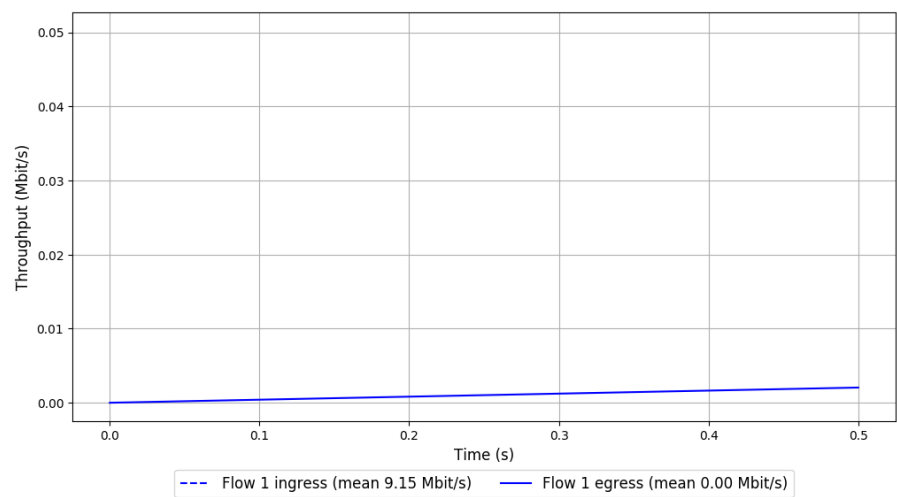
Start at: 2019-01-21 06:20:06

End at: 2019-01-21 06:20:36

Local clock offset: 2.792 ms

Remote clock offset: 8.126 ms

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





Run 5: Statistics of TaoVA-100x

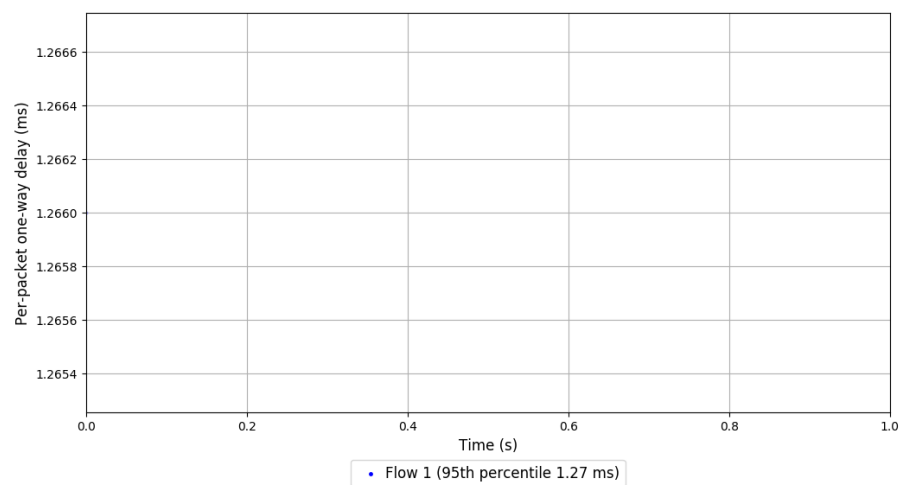
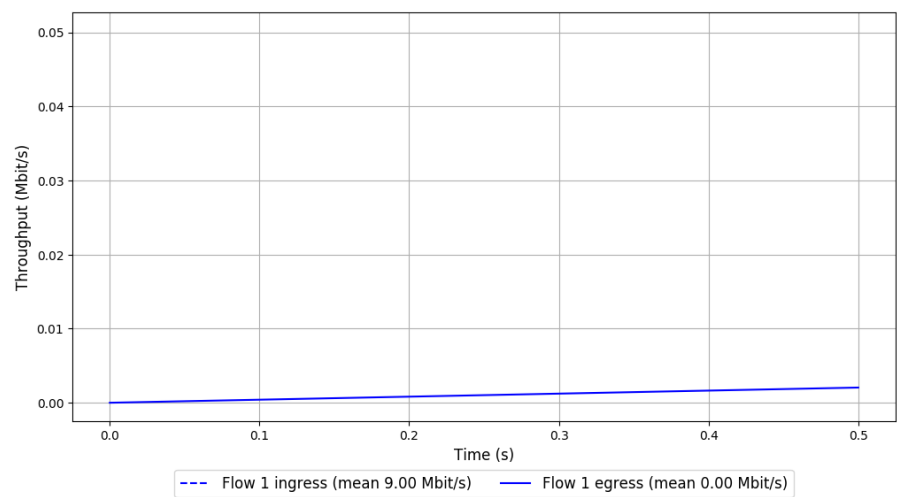
Start at: 2019-01-21 06:49:09

End at: 2019-01-21 06:49:39

Local clock offset: 3.276 ms

Remote clock offset: 7.663 ms

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

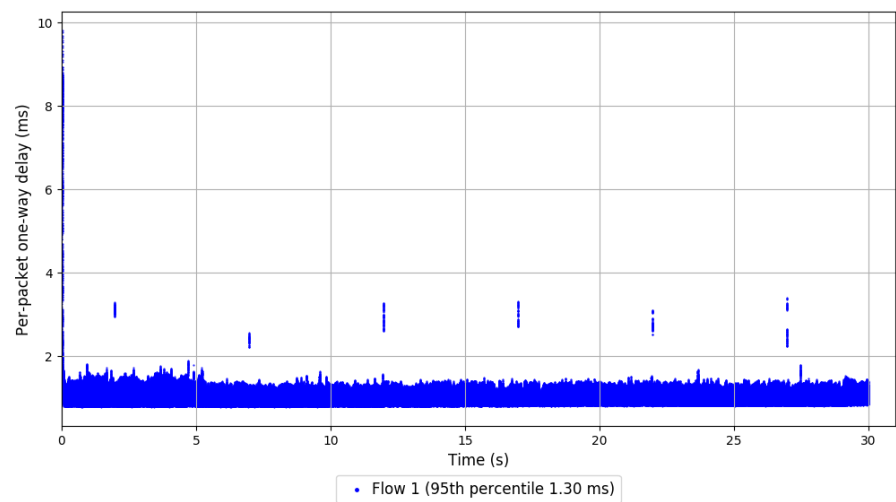
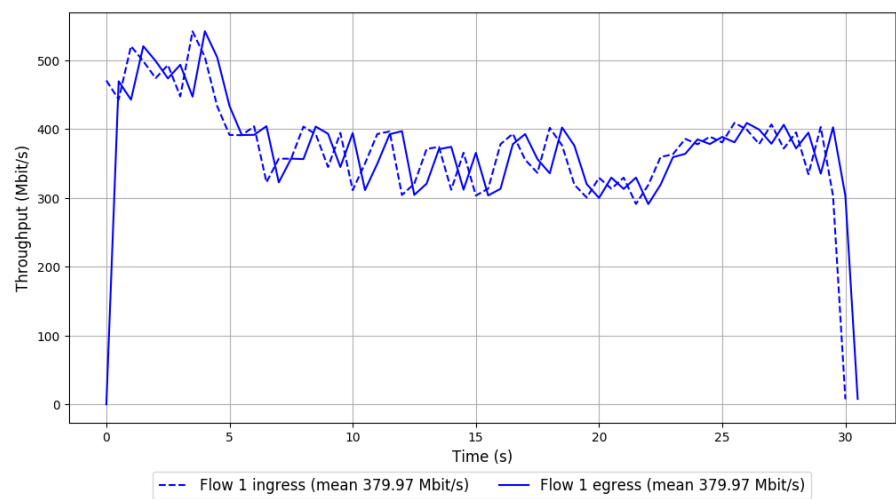


Run 1: Statistics of TCP Vegas

Start at: 2019-01-21 05:11:08  
End at: 2019-01-21 05:11:38  
Local clock offset: 3.989 ms  
Remote clock offset: -5.055 ms

# Below is generated by plot.py at 2019-01-21 08:07:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 379.97 Mbit/s  
95th percentile per-packet one-way delay: 1.301 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 379.97 Mbit/s  
95th percentile per-packet one-way delay: 1.301 ms  
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-01-21 05:40:01

End at: 2019-01-21 05:40:31

Local clock offset: 3.748 ms

Remote clock offset: -3.86 ms

# Below is generated by plot.py at 2019-01-21 08:07:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 369.30 Mbit/s

95th percentile per-packet one-way delay: 0.948 ms

Loss rate: 0.00%

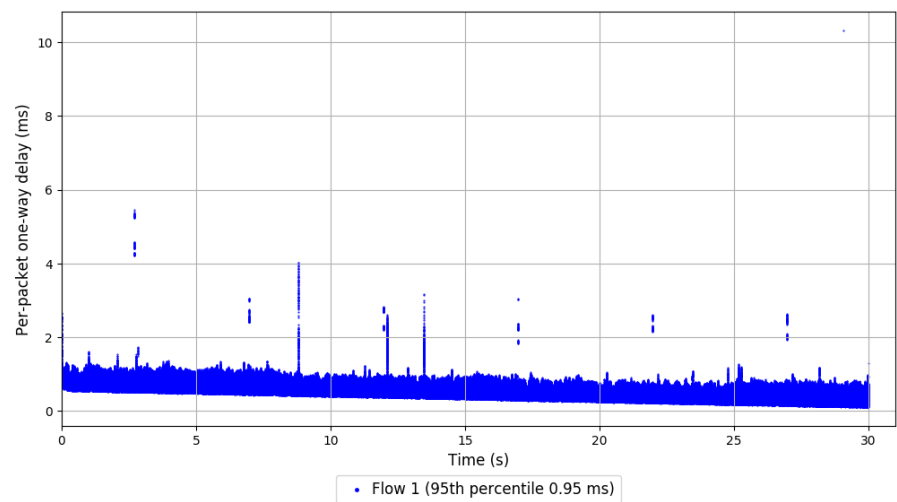
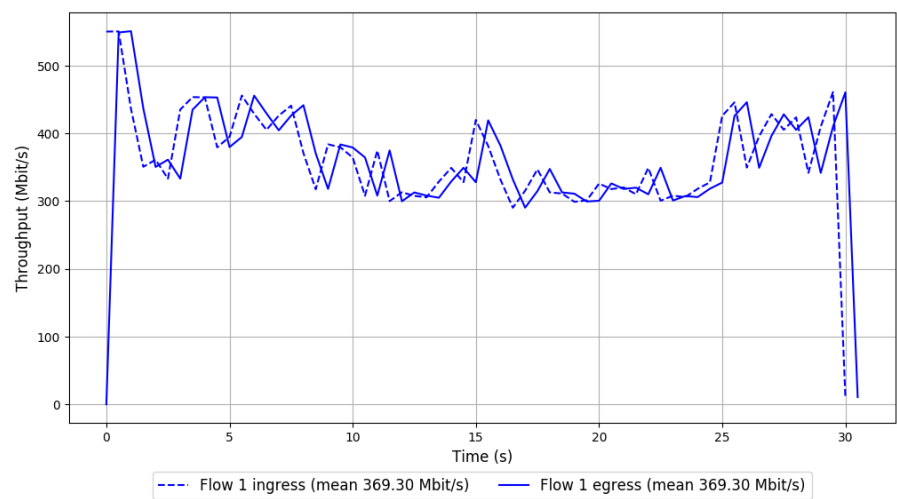
-- Flow 1:

Average throughput: 369.30 Mbit/s

95th percentile per-packet one-way delay: 0.948 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-01-21 06:08:53

End at: 2019-01-21 06:09:23

Local clock offset: 2.802 ms

Remote clock offset: 6.576 ms

# Below is generated by plot.py at 2019-01-21 08:07:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 357.84 Mbit/s

95th percentile per-packet one-way delay: 1.055 ms

Loss rate: 0.00%

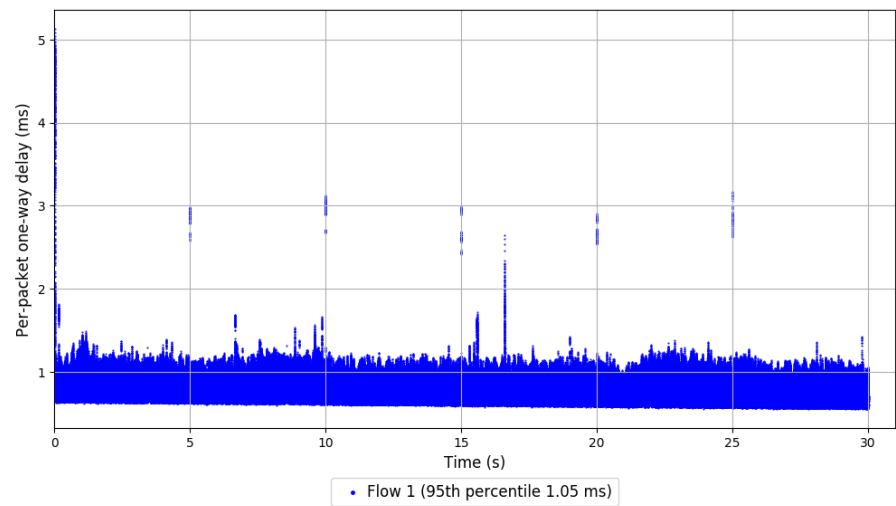
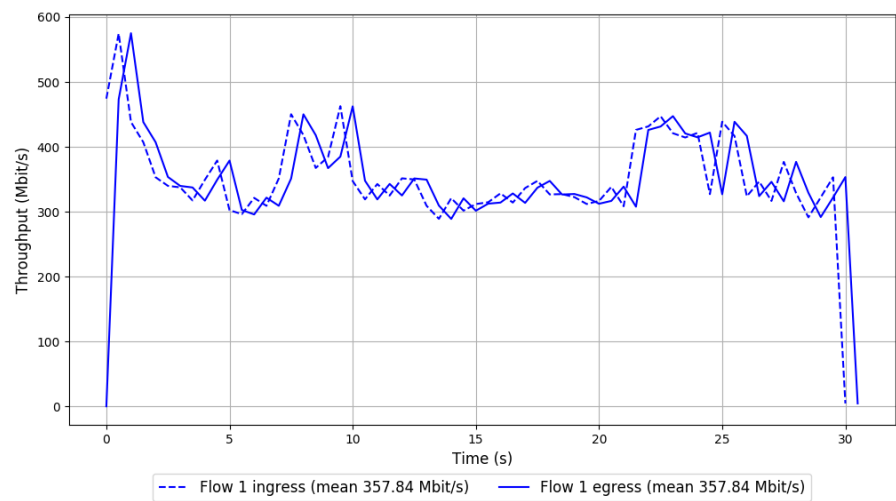
-- Flow 1:

Average throughput: 357.84 Mbit/s

95th percentile per-packet one-way delay: 1.055 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



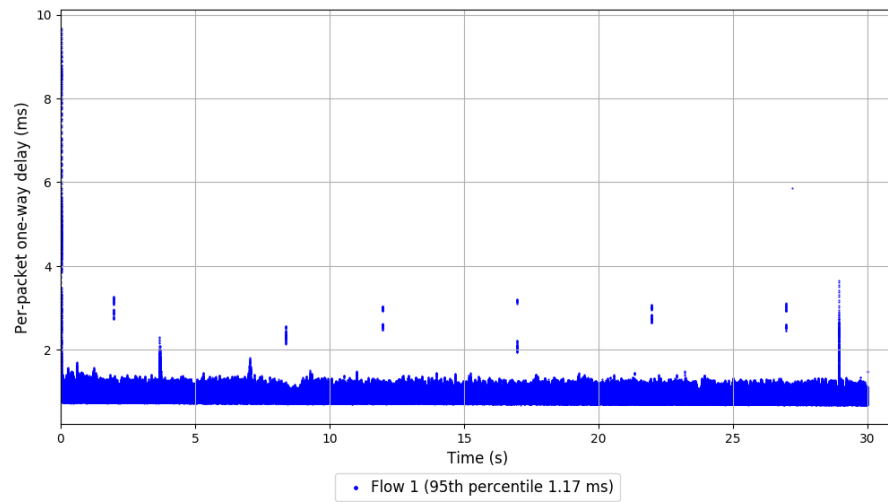
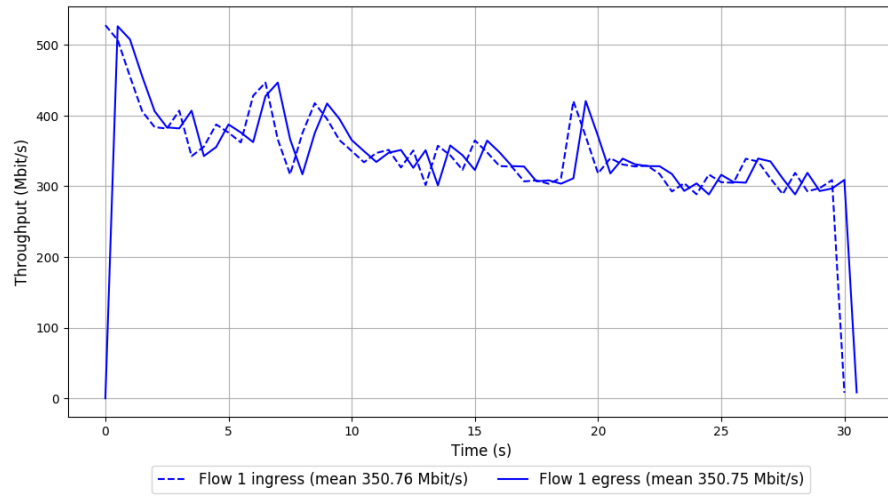


Run 4: Statistics of TCP Vegas

Start at: 2019-01-21 06:37:46  
End at: 2019-01-21 06:38:16  
Local clock offset: 3.205 ms  
Remote clock offset: 10.372 ms

# Below is generated by plot.py at 2019-01-21 08:07:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 350.75 Mbit/s  
95th percentile per-packet one-way delay: 1.174 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 350.75 Mbit/s  
95th percentile per-packet one-way delay: 1.174 ms  
Loss rate: 0.00%

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

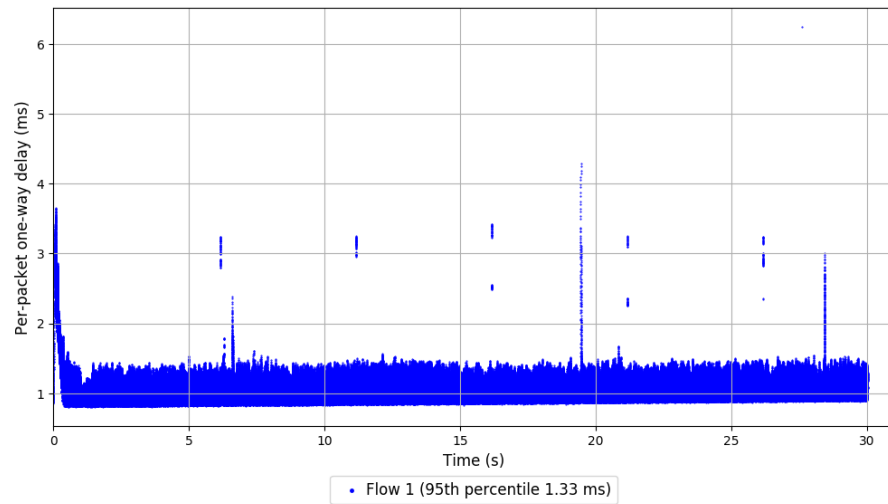
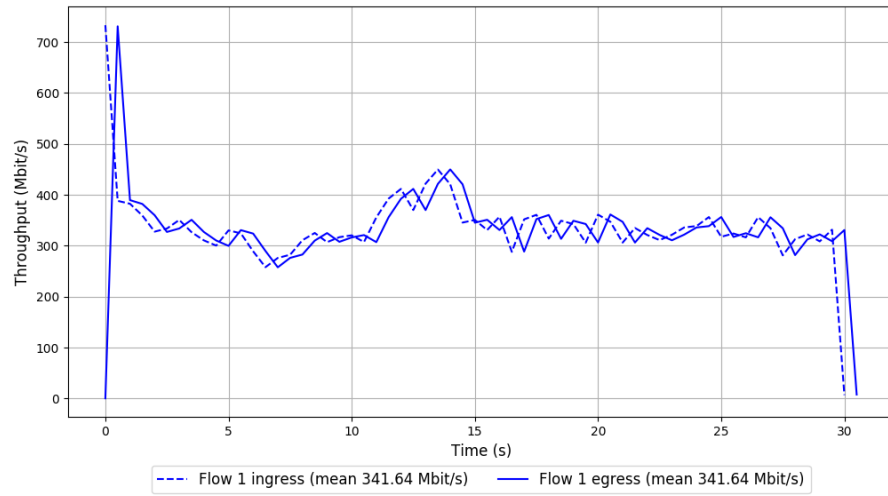


Run 5: Statistics of TCP Vegas

Start at: 2019-01-21 07:06:40  
End at: 2019-01-21 07:07:10  
Local clock offset: 2.577 ms  
Remote clock offset: -0.378 ms

# Below is generated by plot.py at 2019-01-21 08:07:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 341.64 Mbit/s  
95th percentile per-packet one-way delay: 1.328 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 341.64 Mbit/s  
95th percentile per-packet one-way delay: 1.328 ms  
Loss rate: 0.00%

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

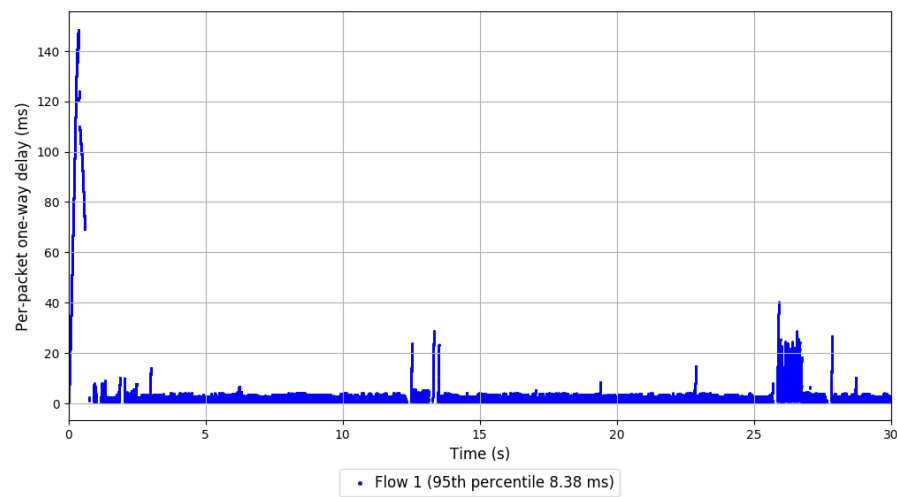
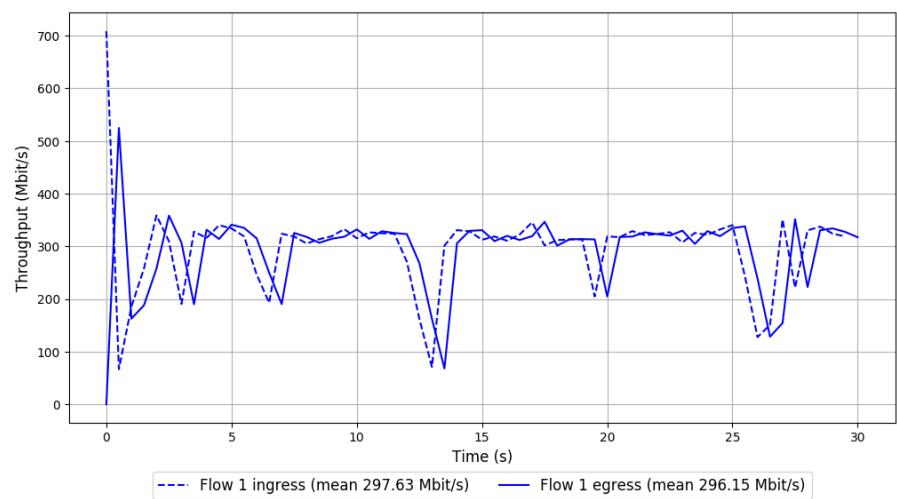


Run 1: Statistics of Verus

Start at: 2019-01-21 05:00:04  
End at: 2019-01-21 05:00:34  
Local clock offset: 3.956 ms  
Remote clock offset: -4.522 ms

# Below is generated by plot.py at 2019-01-21 08:07:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 296.15 Mbit/s  
95th percentile per-packet one-way delay: 8.385 ms  
Loss rate: 0.49%  
-- Flow 1:  
Average throughput: 296.15 Mbit/s  
95th percentile per-packet one-way delay: 8.385 ms  
Loss rate: 0.49%

Run 1: Report of Verus — Data Link

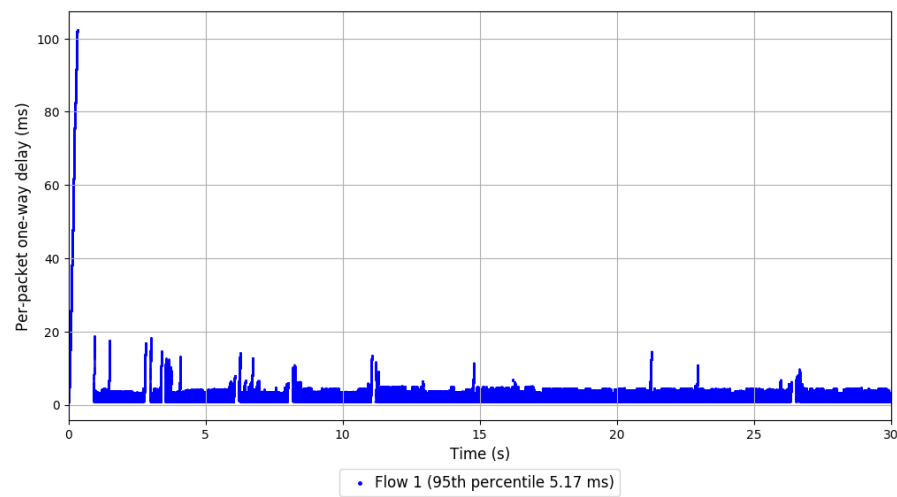
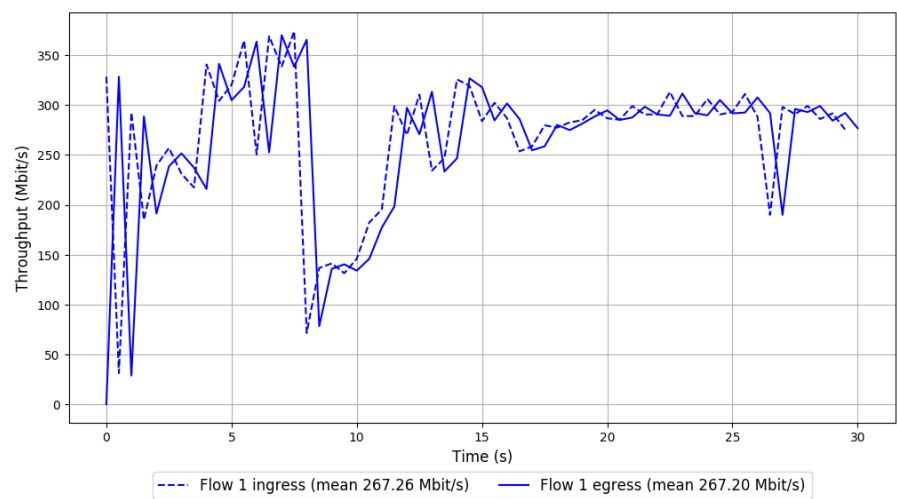


Run 2: Statistics of Verus

Start at: 2019-01-21 05:29:07  
End at: 2019-01-21 05:29:38  
Local clock offset: 3.719 ms  
Remote clock offset: -5.915 ms

# Below is generated by plot.py at 2019-01-21 08:08:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 267.20 Mbit/s  
95th percentile per-packet one-way delay: 5.168 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 267.20 Mbit/s  
95th percentile per-packet one-way delay: 5.168 ms  
Loss rate: 0.02%

Run 2: Report of Verus — Data Link





Run 3: Statistics of Verus

Start at: 2019-01-21 05:57:57

End at: 2019-01-21 05:58:27

Local clock offset: 3.079 ms

Remote clock offset: 4.602 ms

# Below is generated by plot.py at 2019-01-21 08:09:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 193.09 Mbit/s

95th percentile per-packet one-way delay: 5.337 ms

Loss rate: 0.79%

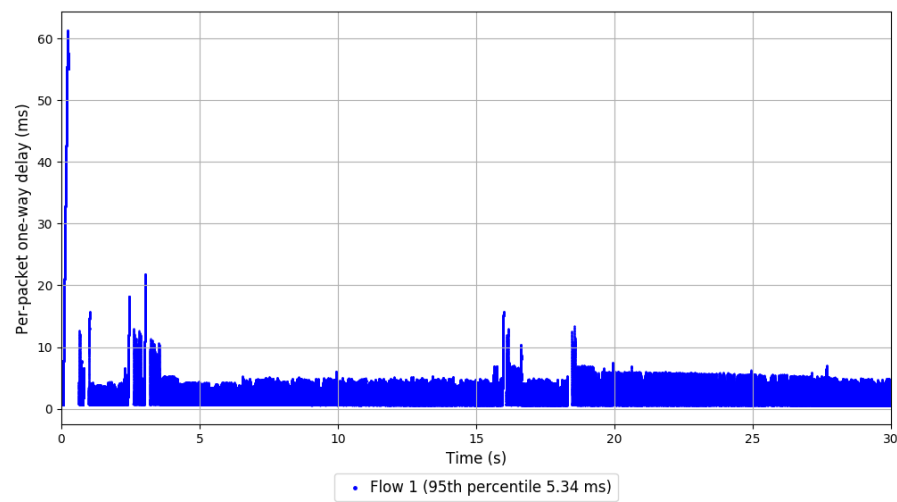
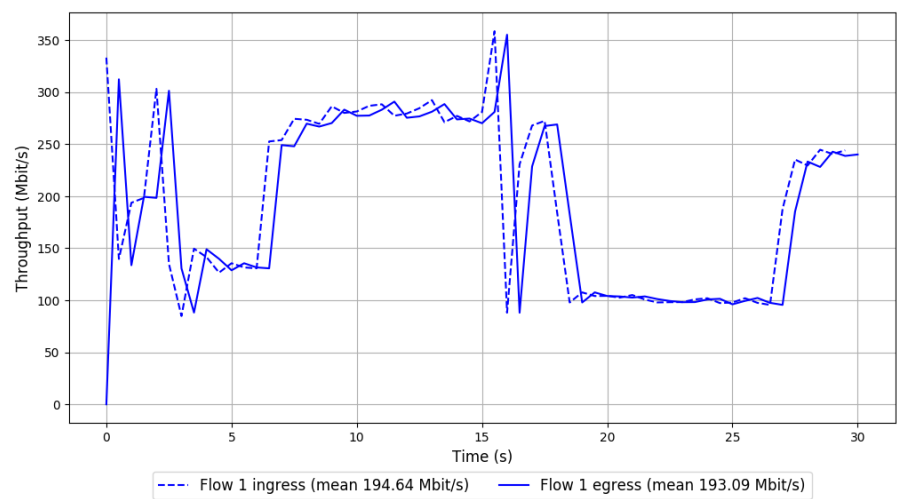
-- Flow 1:

Average throughput: 193.09 Mbit/s

95th percentile per-packet one-way delay: 5.337 ms

Loss rate: 0.79%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-01-21 06:26:48

End at: 2019-01-21 06:27:18

Local clock offset: 3.031 ms

Remote clock offset: 8.973 ms

# Below is generated by plot.py at 2019-01-21 08:09:59

# Datalink statistics

-- Total of 1 flow:

Average throughput: 210.76 Mbit/s

95th percentile per-packet one-way delay: 6.019 ms

Loss rate: 0.49%

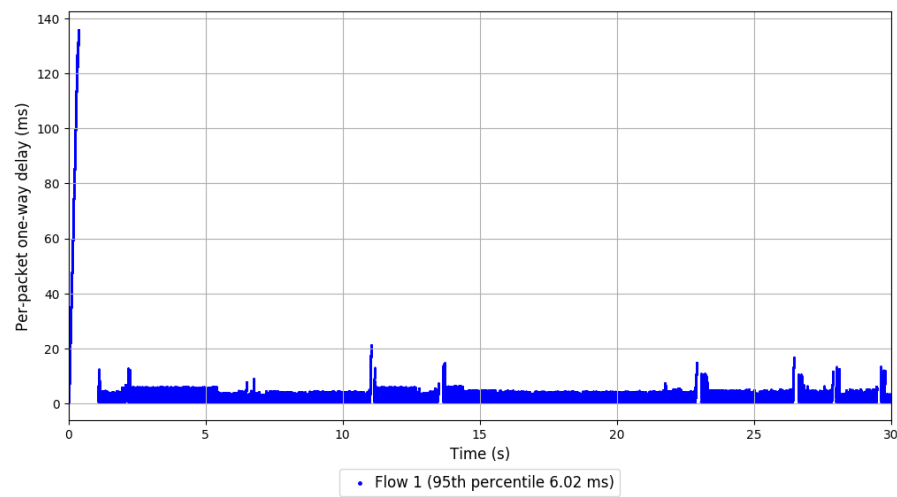
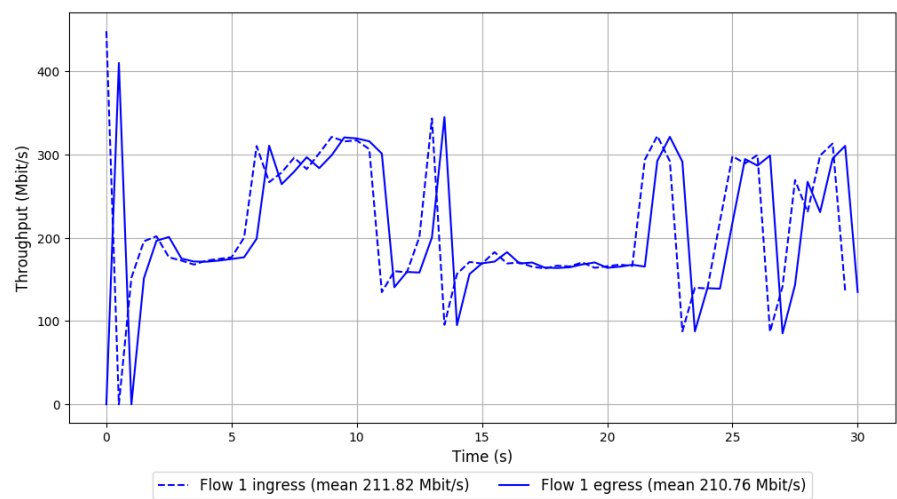
-- Flow 1:

Average throughput: 210.76 Mbit/s

95th percentile per-packet one-way delay: 6.019 ms

Loss rate: 0.49%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-01-21 06:55:49

End at: 2019-01-21 06:56:19

Local clock offset: 2.877 ms

Remote clock offset: 3.003 ms

# Below is generated by plot.py at 2019-01-21 08:10:20

# Datalink statistics

-- Total of 1 flow:

Average throughput: 249.21 Mbit/s

95th percentile per-packet one-way delay: 6.040 ms

Loss rate: 0.84%

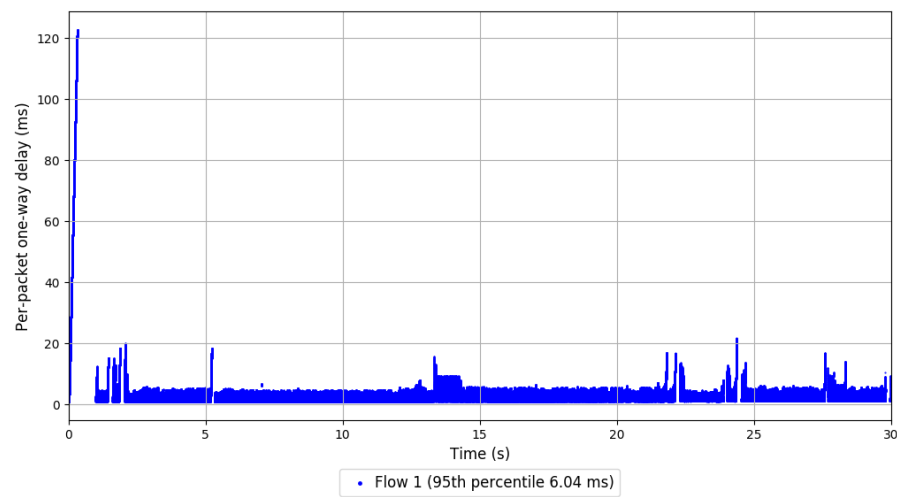
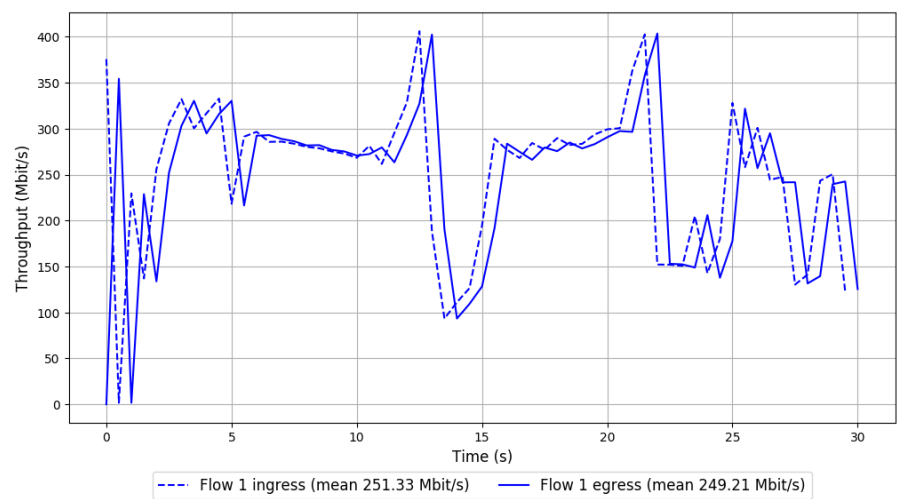
-- Flow 1:

Average throughput: 249.21 Mbit/s

95th percentile per-packet one-way delay: 6.040 ms

Loss rate: 0.84%

Run 5: Report of Verus — Data Link

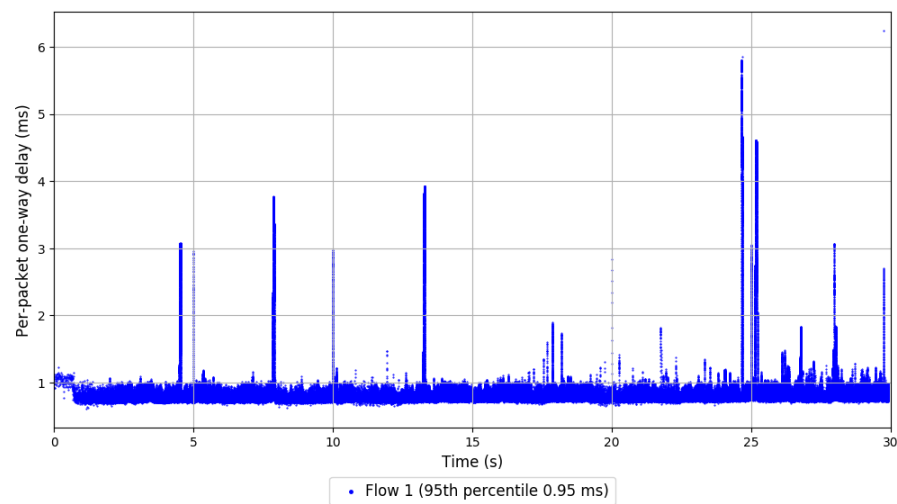
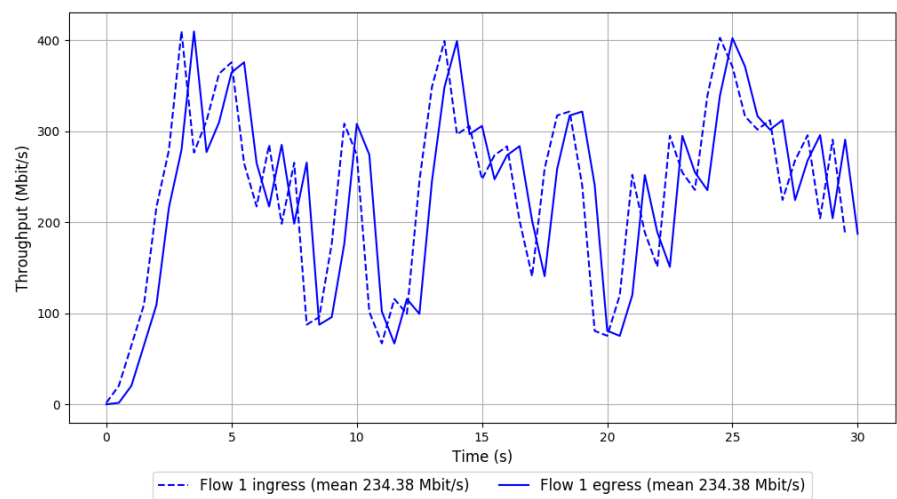


Run 1: Statistics of PCC-Vivace

Start at: 2019-01-21 04:58:40  
End at: 2019-01-21 04:59:10  
Local clock offset: 3.989 ms  
Remote clock offset: -4.443 ms

# Below is generated by plot.py at 2019-01-21 08:10:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 234.38 Mbit/s  
95th percentile per-packet one-way delay: 0.948 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 234.38 Mbit/s  
95th percentile per-packet one-way delay: 0.948 ms  
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link





Run 2: Statistics of PCC-Vivace

Start at: 2019-01-21 05:27:43

End at: 2019-01-21 05:28:13

Local clock offset: 3.742 ms

Remote clock offset: -5.959 ms

# Below is generated by plot.py at 2019-01-21 08:10:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 263.34 Mbit/s

95th percentile per-packet one-way delay: 1.298 ms

Loss rate: 0.00%

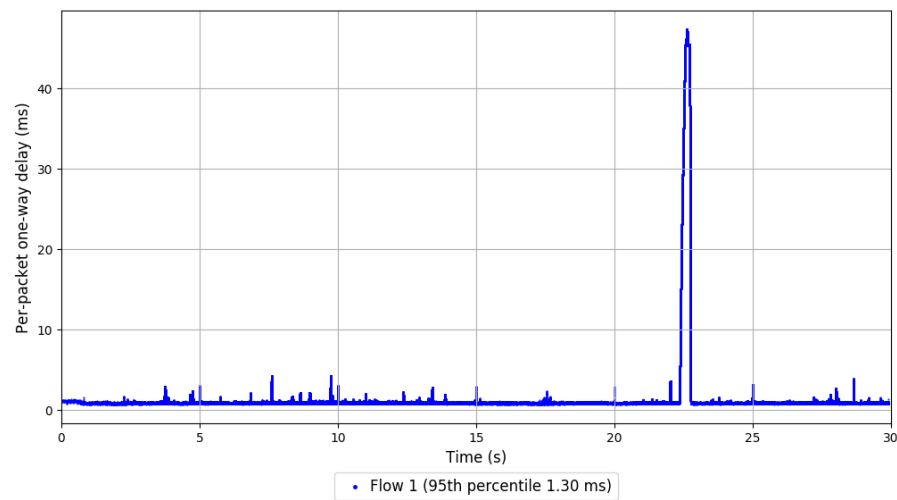
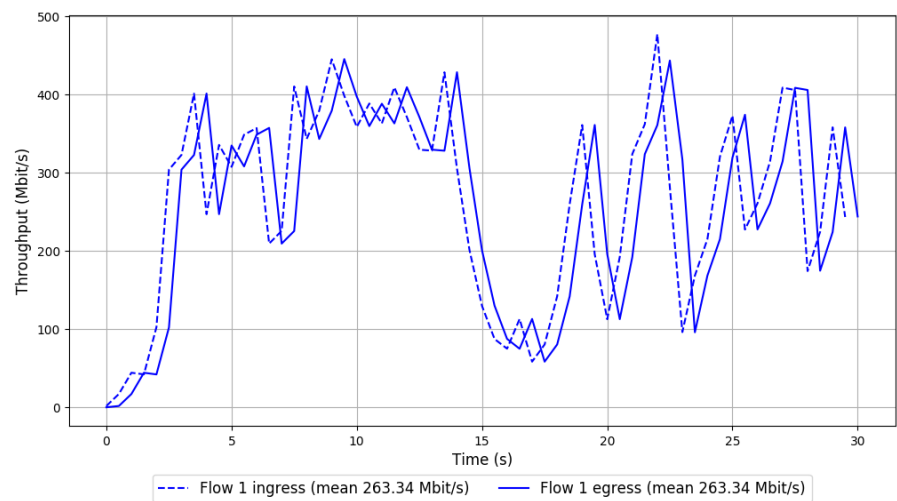
-- Flow 1:

Average throughput: 263.34 Mbit/s

95th percentile per-packet one-way delay: 1.298 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-01-21 05:56:33

End at: 2019-01-21 05:57:03

Local clock offset: 3.149 ms

Remote clock offset: 4.36 ms

# Below is generated by plot.py at 2019-01-21 08:10:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 232.25 Mbit/s

95th percentile per-packet one-way delay: 0.941 ms

Loss rate: 0.00%

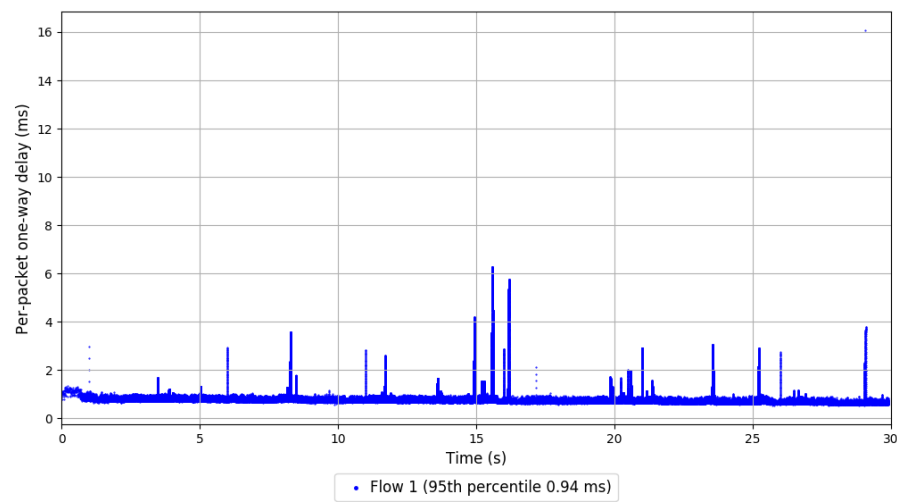
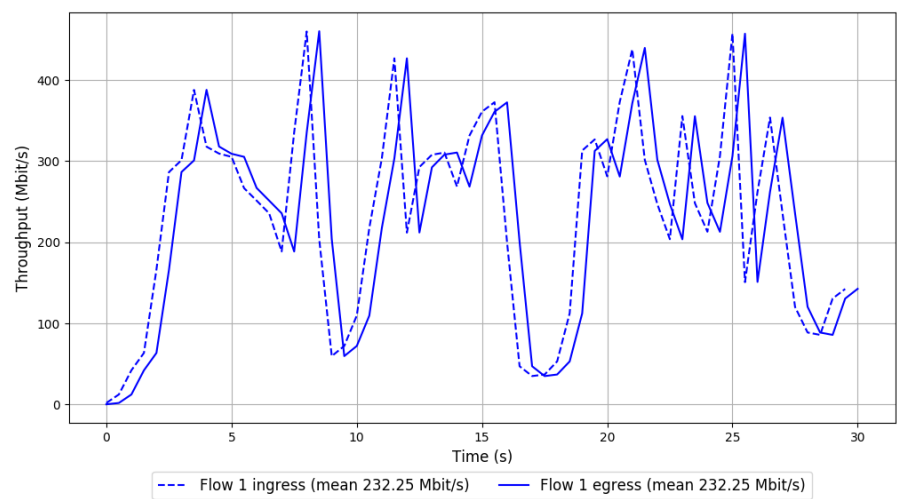
-- Flow 1:

Average throughput: 232.25 Mbit/s

95th percentile per-packet one-way delay: 0.941 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-01-21 06:25:22

End at: 2019-01-21 06:25:52

Local clock offset: 2.978 ms

Remote clock offset: 8.845 ms

# Below is generated by plot.py at 2019-01-21 08:10:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 299.74 Mbit/s

95th percentile per-packet one-way delay: 1.036 ms

Loss rate: 0.00%

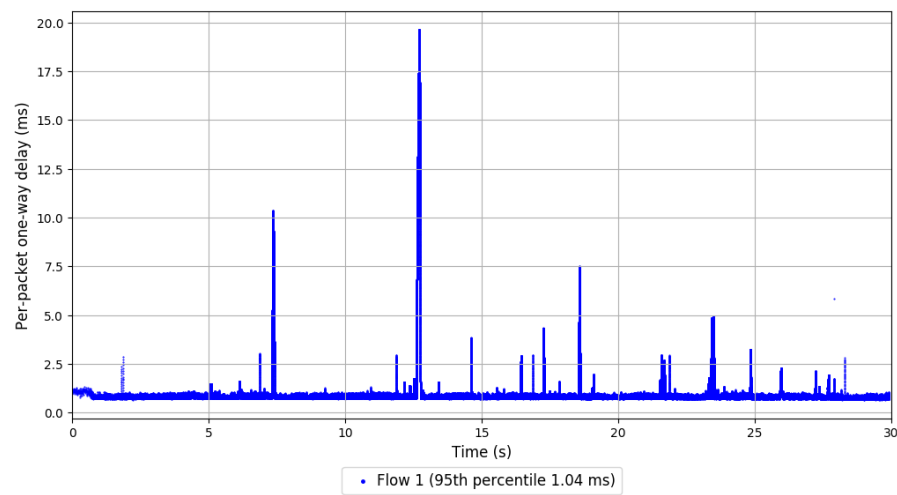
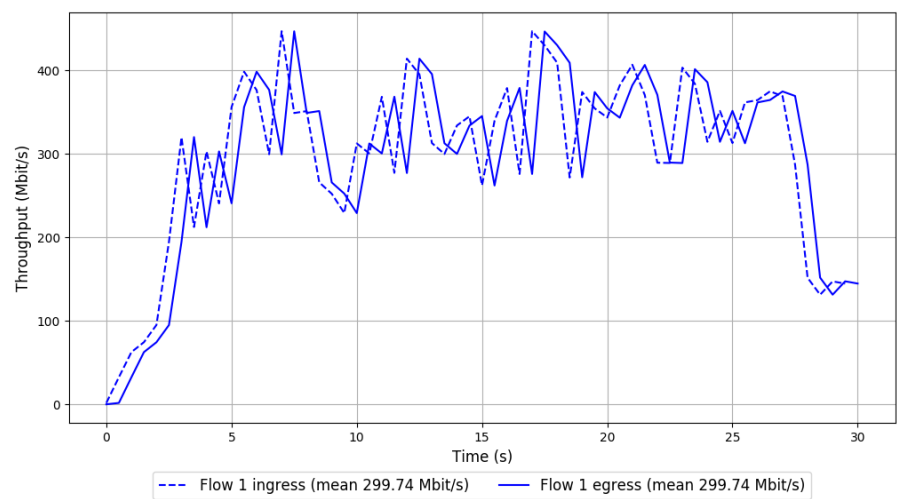
-- Flow 1:

Average throughput: 299.74 Mbit/s

95th percentile per-packet one-way delay: 1.036 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-01-21 06:54:25

End at: 2019-01-21 06:54:55

Local clock offset: 2.952 ms

Remote clock offset: 3.662 ms

# Below is generated by plot.py at 2019-01-21 08:10:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 242.67 Mbit/s

95th percentile per-packet one-way delay: 126.326 ms

Loss rate: 2.17%

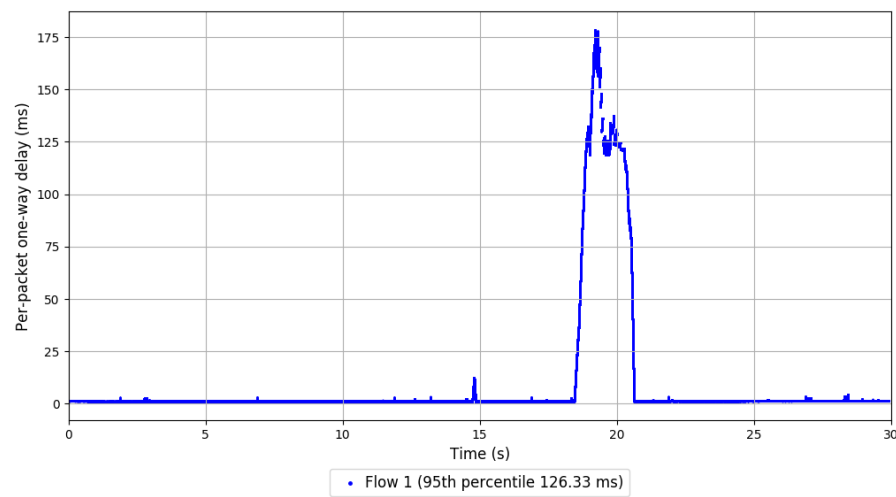
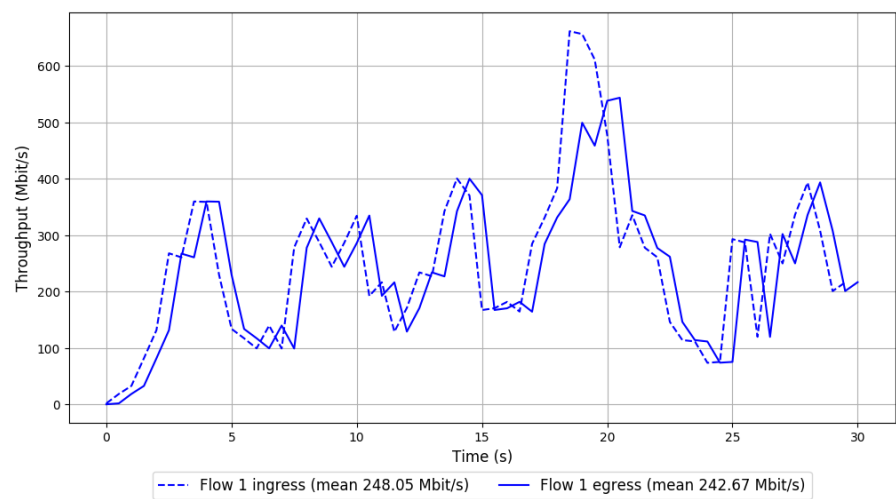
-- Flow 1:

Average throughput: 242.67 Mbit/s

95th percentile per-packet one-way delay: 126.326 ms

Loss rate: 2.17%

Run 5: Report of PCC-Vivace — Data Link



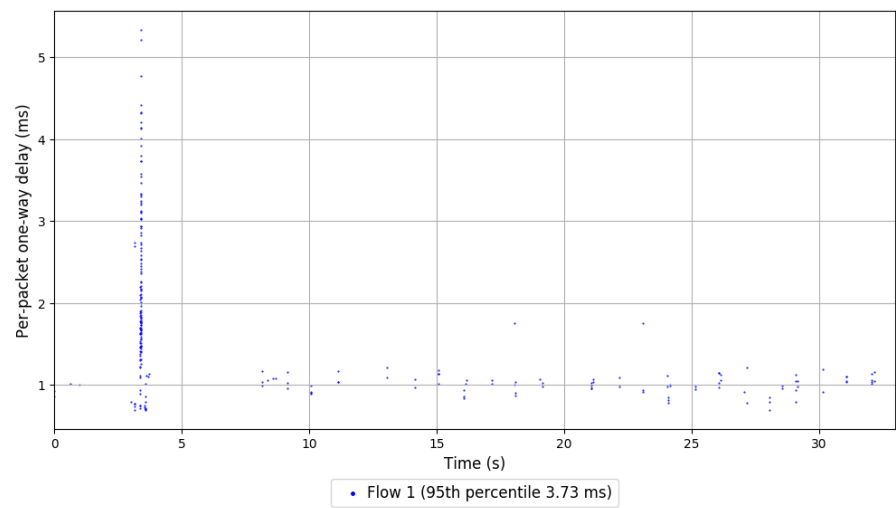
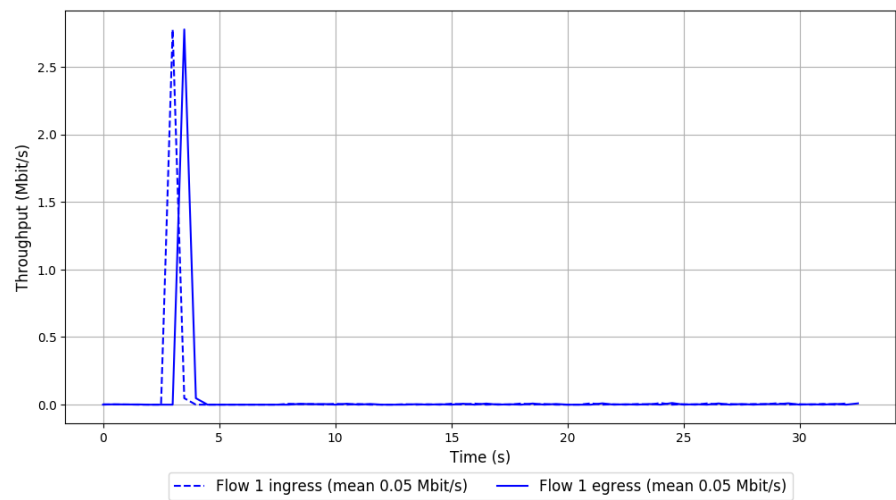


Run 1: Statistics of WebRTC media

Start at: 2019-01-21 04:55:52  
End at: 2019-01-21 04:56:22  
Local clock offset: 4.121 ms  
Remote clock offset: -4.214 ms

# Below is generated by plot.py at 2019-01-21 08:10:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 3.730 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 3.730 ms  
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

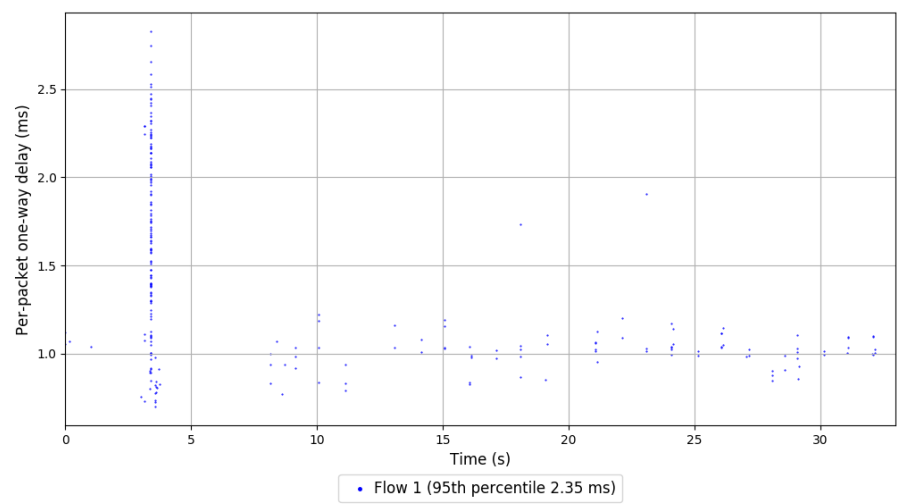
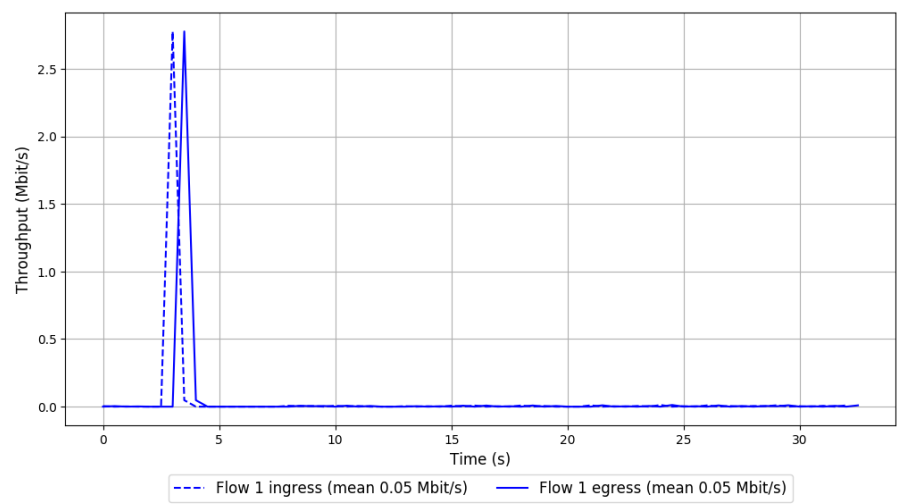


Run 2: Statistics of WebRTC media

Start at: 2019-01-21 05:24:53  
End at: 2019-01-21 05:25:23  
Local clock offset: 3.815 ms  
Remote clock offset: -5.792 ms

# Below is generated by plot.py at 2019-01-21 08:10:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 2.345 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 2.345 ms  
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-01-21 05:53:44

End at: 2019-01-21 05:54:14

Local clock offset: 3.337 ms

Remote clock offset: 3.637 ms

# Below is generated by plot.py at 2019-01-21 08:10:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 5.288 ms

Loss rate: 0.00%

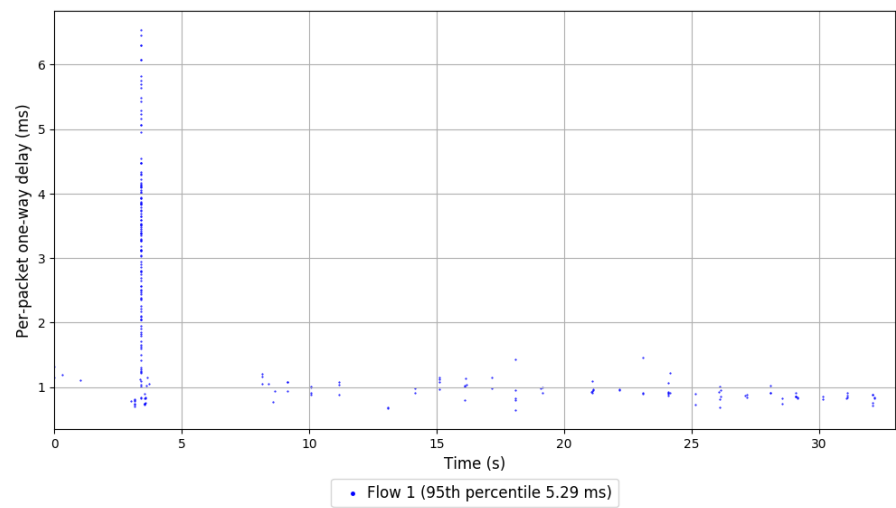
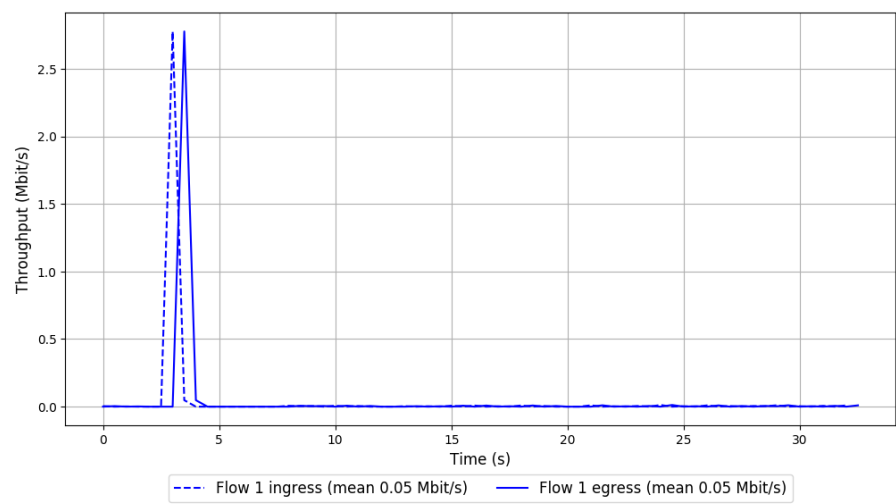
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 5.288 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-01-21 06:22:32

End at: 2019-01-21 06:23:02

Local clock offset: 2.889 ms

Remote clock offset: 8.556 ms

# Below is generated by plot.py at 2019-01-21 08:10:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 3.294 ms

Loss rate: 0.00%

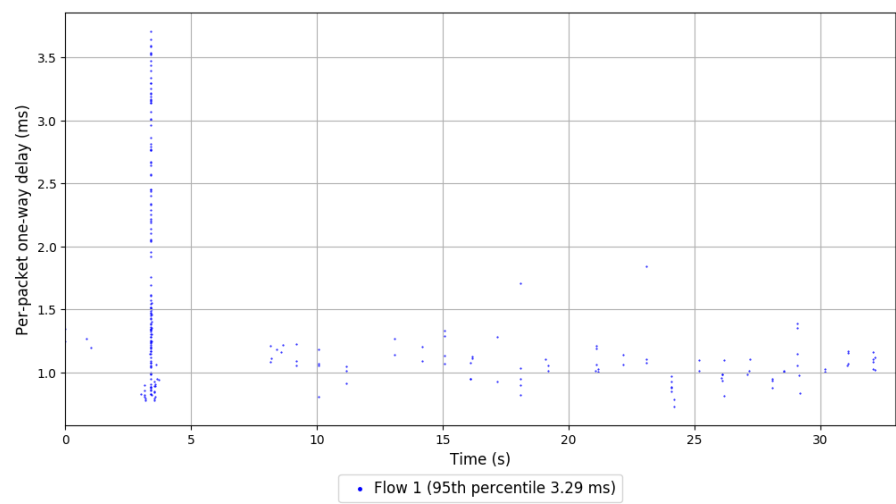
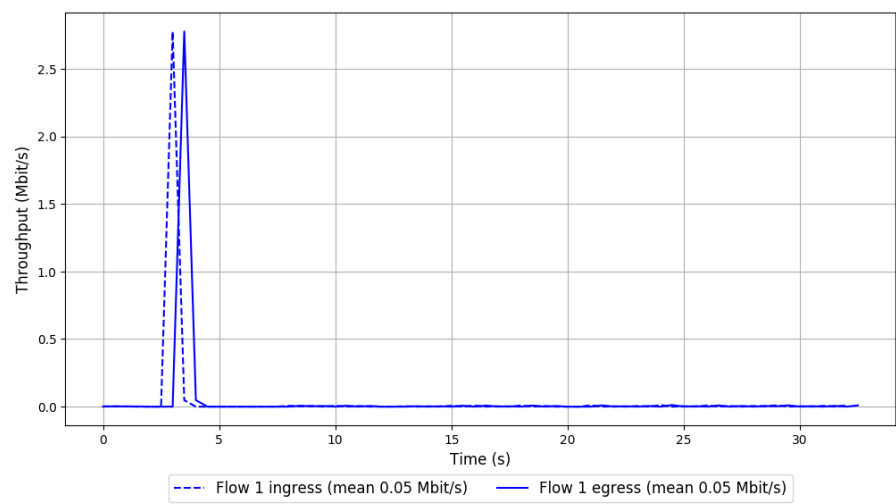
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 3.294 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link





Run 5: Statistics of WebRTC media

Start at: 2019-01-21 06:51:35

End at: 2019-01-21 06:52:05

Local clock offset: 3.081 ms

Remote clock offset: 5.568 ms

# Below is generated by plot.py at 2019-01-21 08:10:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 2.678 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 2.678 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

