

## Pantheon Report

Generated at 2018-01-25 12:43:18 (UTC).

Data path: AWS Korea Ethernet (*local*) → China Ethernet (*remote*).

Repeated the test of 15 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

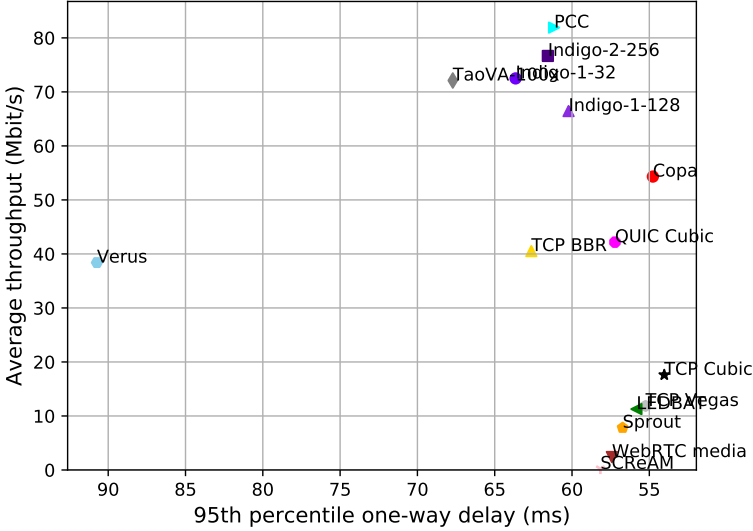
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

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

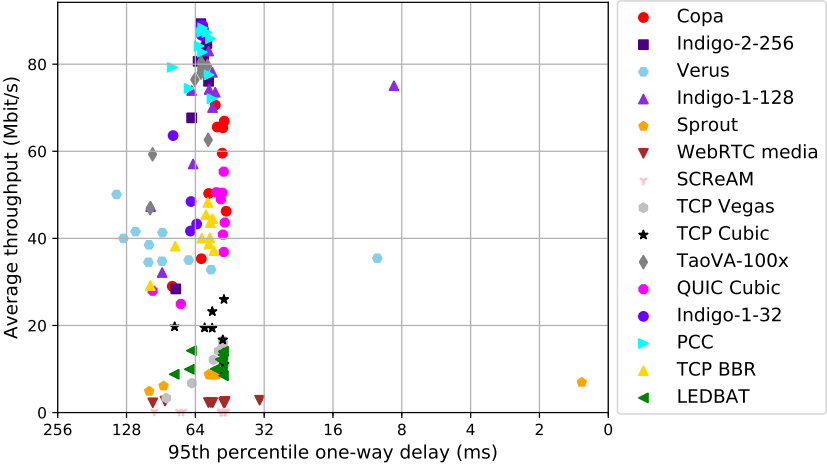
Git summary:

```
branch: master @ 636f858be90392c1dac0ee13c40fd1646f45f9e2
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ ec9585325218d5048c4d4152fa42240af54c6e67
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
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/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeab30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  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 @ 423cbca3e8ea1d599e7b5cf725835e8a2b6bfac6
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from AWS Korea Ethernet to China Ethernet, 10 runs of 30s each per scheme  
(mean of all runs by scheme)



test from AWS Korea Ethernet to China Ethernet, 10 runs of 30s each per scheme



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	40.53	62.63	32.66
TCP Cubic	9	17.61	54.03	0.39
LEDBAT	10	11.27	55.84	0.50
PCC	10	81.90	61.16	0.86
QUIC Cubic	9	42.18	57.22	0.38
SCReAM	10	0.22	58.17	0.02
WebRTC media	10	2.40	57.42	0.09
Sprout	9	7.82	56.73	3.33
TaoVA-100x	10	72.11	67.71	2.88
TCP Vegas	9	11.85	55.24	0.44
Verus	10	38.40	90.73	74.98
Copa	9	54.32	54.77	0.88
Indigo-2-256	10	76.66	61.56	3.61
Indigo-1-32	10	72.49	63.65	3.72
Indigo-1-128	10	66.46	60.22	7.32

Run 1: Statistics of TCP BBR

Start at: 2018-01-25 09:08:40

End at: 2018-01-25 09:09:10

Local clock offset: 0.095 ms

Remote clock offset: -1.654 ms

# Below is generated by plot.py at 2018-01-25 12:30:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 40.06 Mbit/s

95th percentile per-packet one-way delay: 60.038 ms

Loss rate: 33.94%

-- Flow 1:

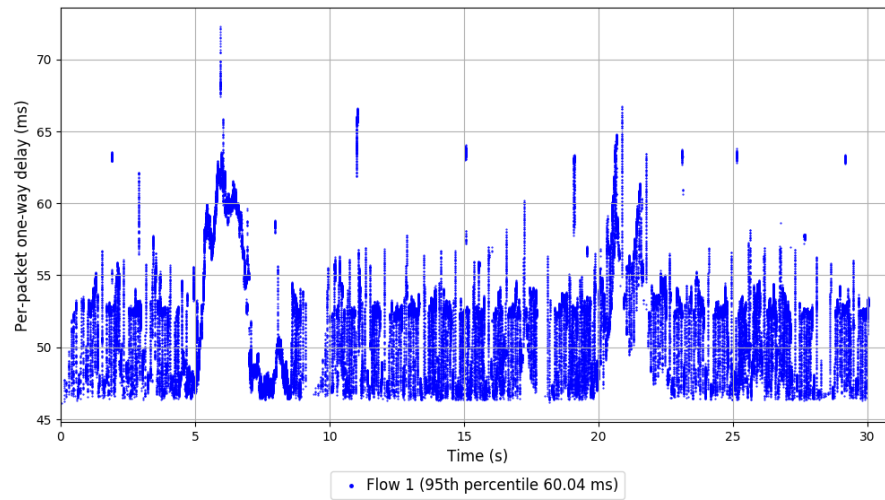
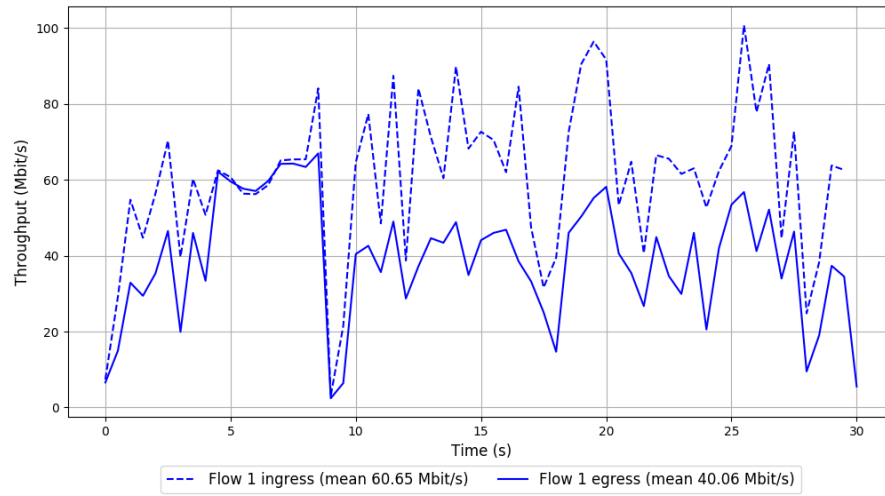
Average throughput: 40.06 Mbit/s

95th percentile per-packet one-way delay: 60.038 ms

Loss rate: 33.94%



# Run 1: Report of TCP BBR — Data Link

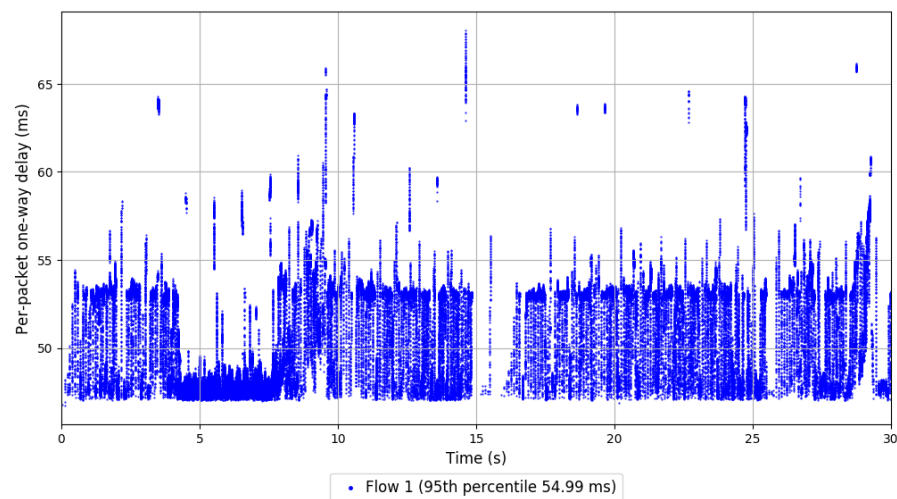
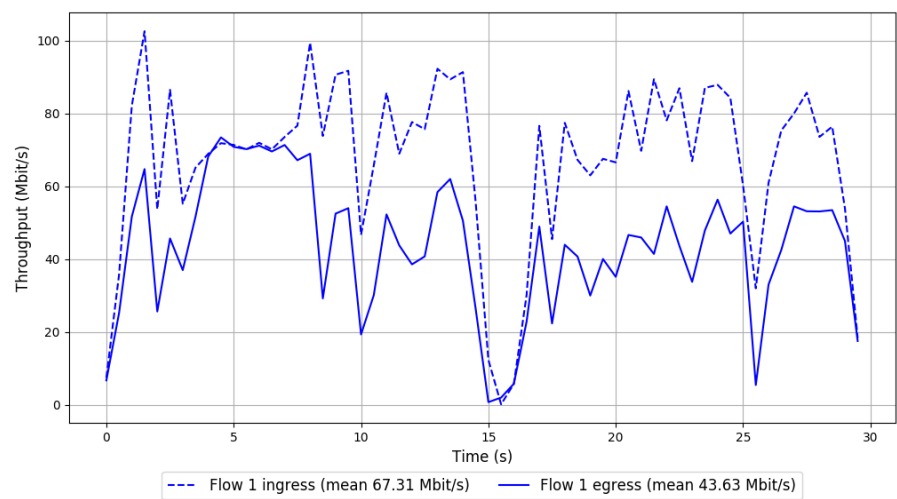


Run 2: Statistics of TCP BBR

Start at: 2018-01-25 09:28:00  
End at: 2018-01-25 09:28:30  
Local clock offset: -0.439 ms  
Remote clock offset: -2.501 ms

# Below is generated by plot.py at 2018-01-25 12:30:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 43.63 Mbit/s  
95th percentile per-packet one-way delay: 54.993 ms  
Loss rate: 35.18%  
-- Flow 1:  
Average throughput: 43.63 Mbit/s  
95th percentile per-packet one-way delay: 54.993 ms  
Loss rate: 35.18%

Run 2: Report of TCP BBR — Data Link

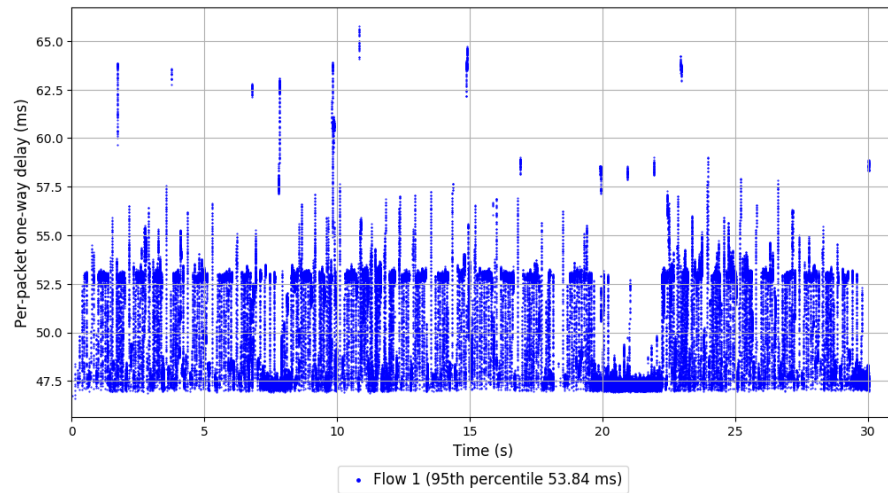
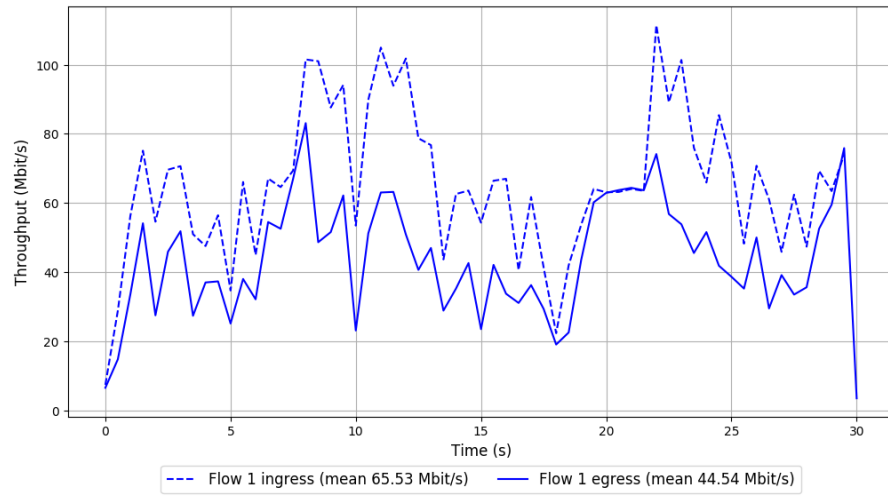


Run 3: Statistics of TCP BBR

Start at: 2018-01-25 09:46:56  
End at: 2018-01-25 09:47:26  
Local clock offset: -0.749 ms  
Remote clock offset: -3.728 ms

# Below is generated by plot.py at 2018-01-25 12:30:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 44.54 Mbit/s  
95th percentile per-packet one-way delay: 53.842 ms  
Loss rate: 32.03%  
-- Flow 1:  
Average throughput: 44.54 Mbit/s  
95th percentile per-packet one-way delay: 53.842 ms  
Loss rate: 32.03%

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



Run 4: Statistics of TCP BBR

Start at: 2018-01-25 10:06:00

End at: 2018-01-25 10:06:30

Local clock offset: -0.373 ms

Remote clock offset: -4.7 ms

# Below is generated by plot.py at 2018-01-25 12:30:16

# Datalink statistics

-- Total of 1 flow:

Average throughput: 38.71 Mbit/s

95th percentile per-packet one-way delay: 55.899 ms

Loss rate: 36.13%

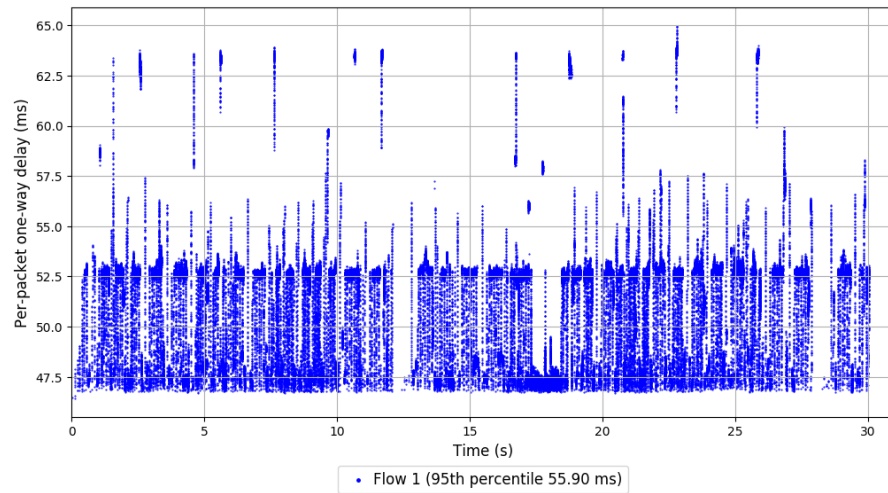
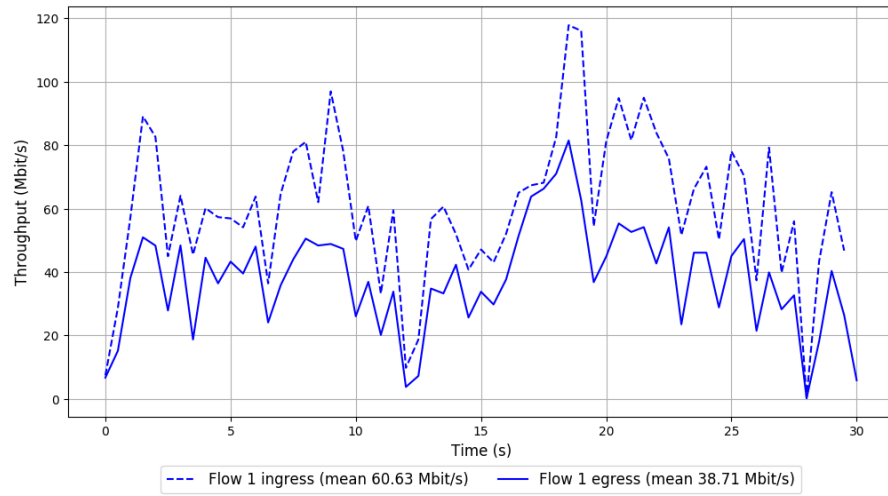
-- Flow 1:

Average throughput: 38.71 Mbit/s

95th percentile per-packet one-way delay: 55.899 ms

Loss rate: 36.13%

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



Run 5: Statistics of TCP BBR

Start at: 2018-01-25 10:25:05

End at: 2018-01-25 10:25:35

Local clock offset: -1.014 ms

Remote clock offset: -5.53 ms

# Below is generated by plot.py at 2018-01-25 12:30:18

# Datalink statistics

-- Total of 1 flow:

Average throughput: 48.26 Mbit/s

95th percentile per-packet one-way delay: 56.463 ms

Loss rate: 28.70%

-- Flow 1:

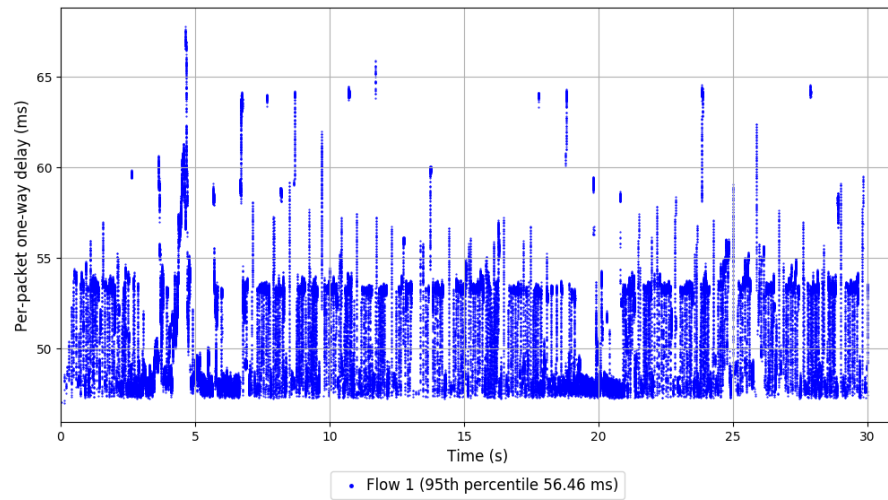
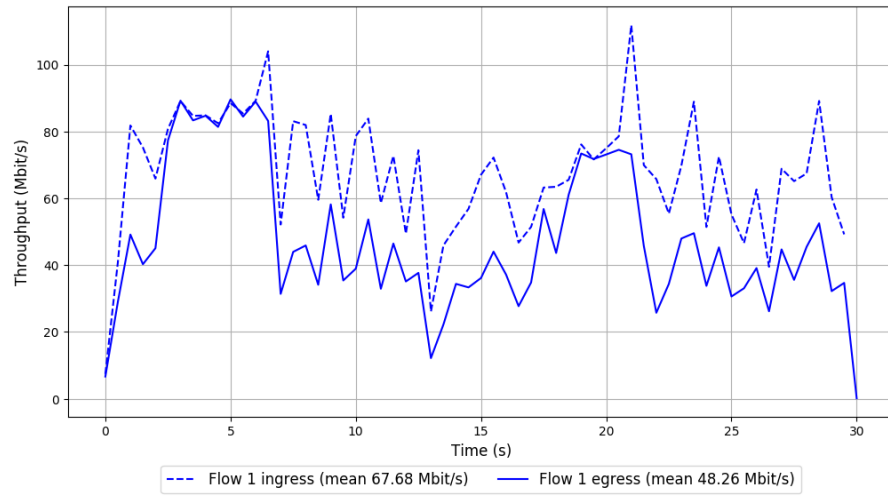
Average throughput: 48.26 Mbit/s

95th percentile per-packet one-way delay: 56.463 ms

Loss rate: 28.70%



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

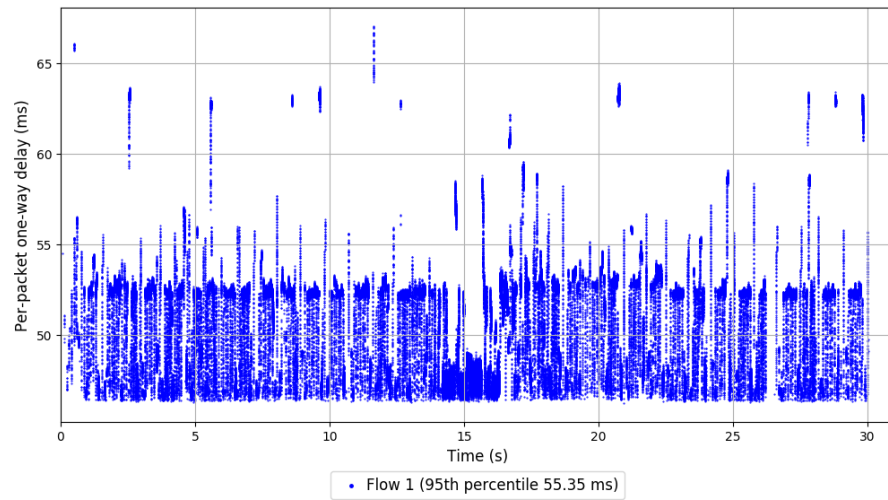
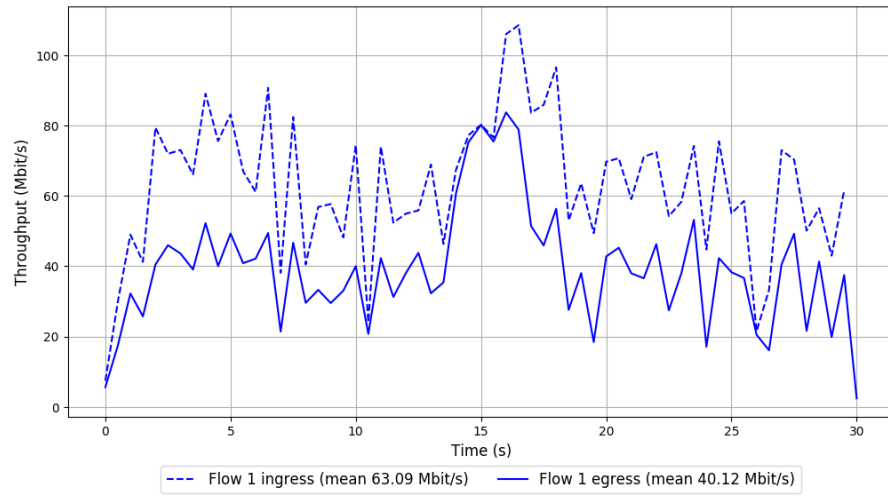


Run 6: Statistics of TCP BBR

Start at: 2018-01-25 10:44:27  
End at: 2018-01-25 10:44:57  
Local clock offset: -0.193 ms  
Remote clock offset: -5.743 ms

# Below is generated by plot.py at 2018-01-25 12:30:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 40.12 Mbit/s  
95th percentile per-packet one-way delay: 55.347 ms  
Loss rate: 36.42%  
-- Flow 1:  
Average throughput: 40.12 Mbit/s  
95th percentile per-packet one-way delay: 55.347 ms  
Loss rate: 36.42%

## Run 6: Report of TCP BBR — Data Link

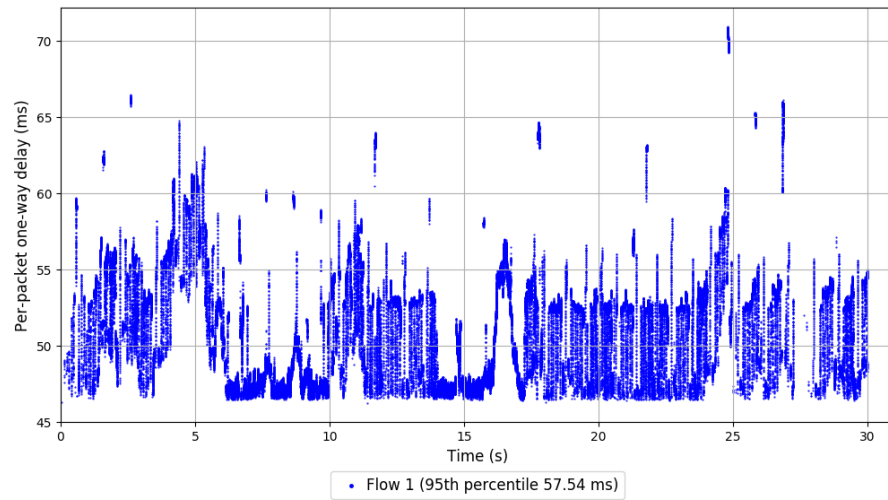
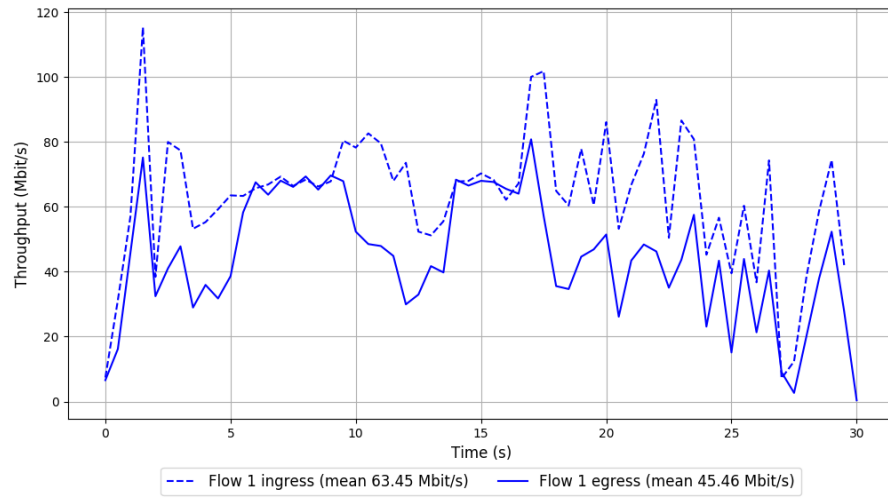


Run 7: Statistics of TCP BBR

Start at: 2018-01-25 11:03:35  
End at: 2018-01-25 11:04:05  
Local clock offset: -0.367 ms  
Remote clock offset: -5.752 ms

# Below is generated by plot.py at 2018-01-25 12:30:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 45.46 Mbit/s  
95th percentile per-packet one-way delay: 57.543 ms  
Loss rate: 28.36%  
-- Flow 1:  
Average throughput: 45.46 Mbit/s  
95th percentile per-packet one-way delay: 57.543 ms  
Loss rate: 28.36%

### Run 7: Report of TCP BBR — Data Link

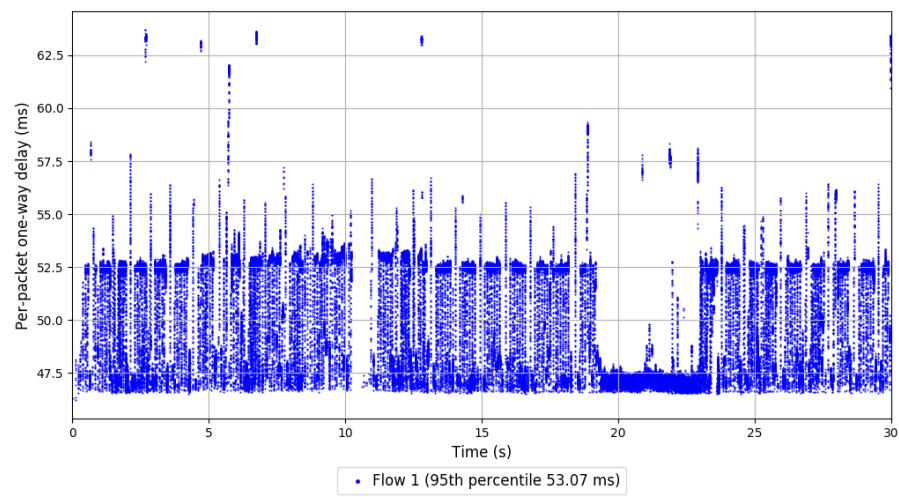
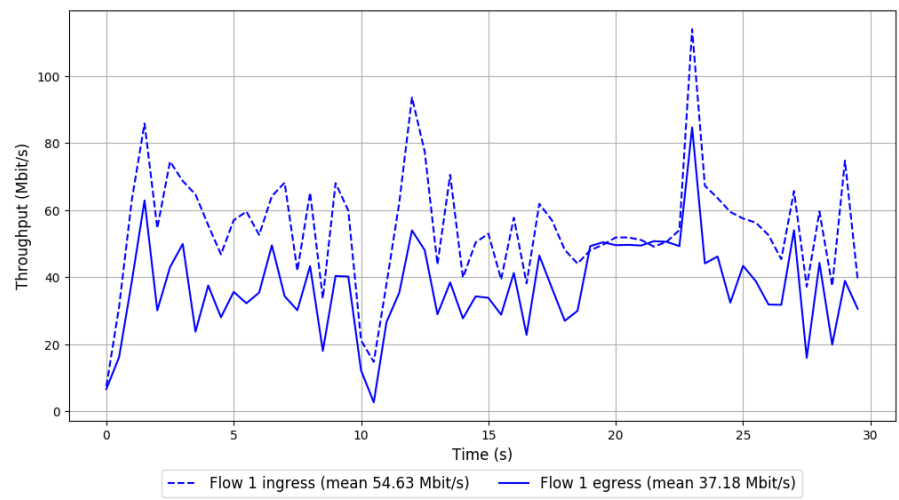


Run 8: Statistics of TCP BBR

Start at: 2018-01-25 11:22:37  
End at: 2018-01-25 11:23:07  
Local clock offset: -0.455 ms  
Remote clock offset: -4.465 ms

# Below is generated by plot.py at 2018-01-25 12:30:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 37.18 Mbit/s  
95th percentile per-packet one-way delay: 53.070 ms  
Loss rate: 31.92%  
-- Flow 1:  
Average throughput: 37.18 Mbit/s  
95th percentile per-packet one-way delay: 53.070 ms  
Loss rate: 31.92%

Run 8: Report of TCP BBR — Data Link



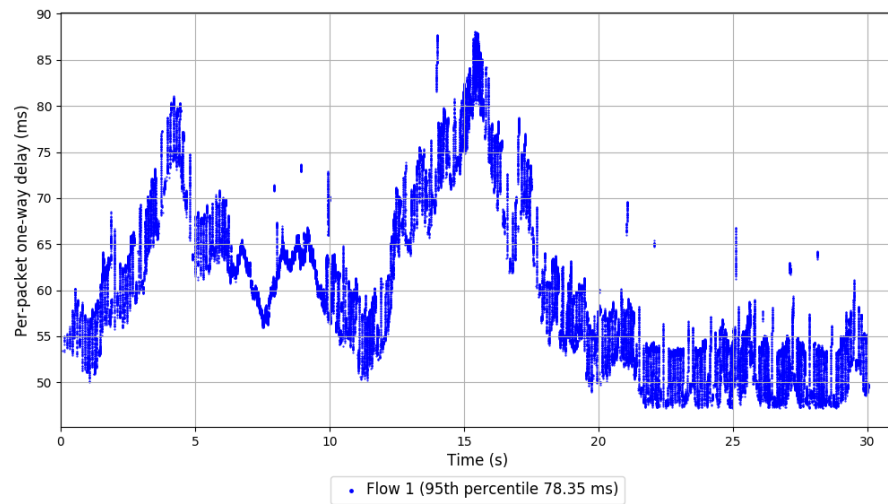
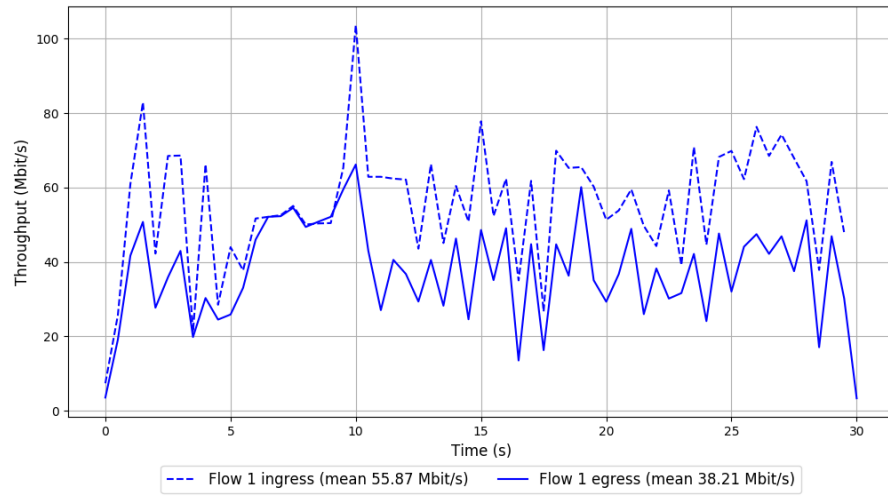
Run 9: Statistics of TCP BBR

Start at: 2018-01-25 11:41:40  
End at: 2018-01-25 11:42:10  
Local clock offset: -1.106 ms  
Remote clock offset: -2.916 ms

# Below is generated by plot.py at 2018-01-25 12:30:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 38.21 Mbit/s  
95th percentile per-packet one-way delay: 78.353 ms  
Loss rate: 31.61%  
-- Flow 1:  
Average throughput: 38.21 Mbit/s  
95th percentile per-packet one-way delay: 78.353 ms  
Loss rate: 31.61%



### Run 9: Report of TCP BBR — Data Link

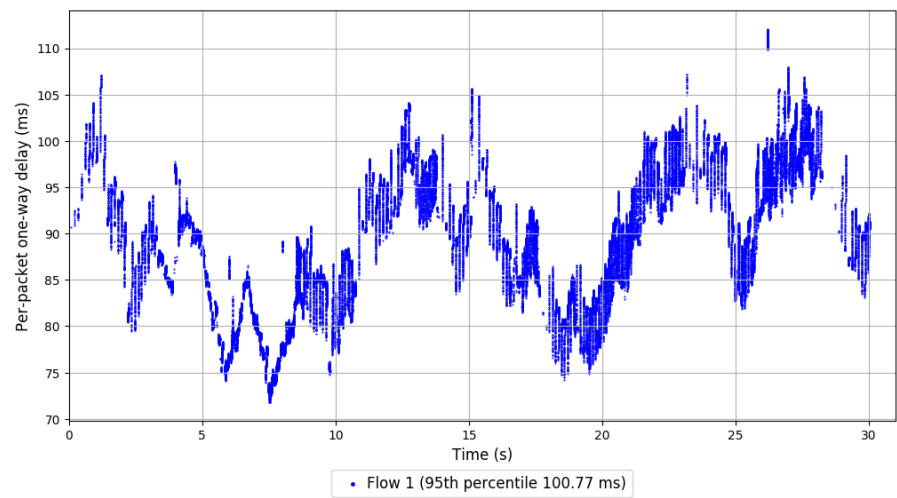
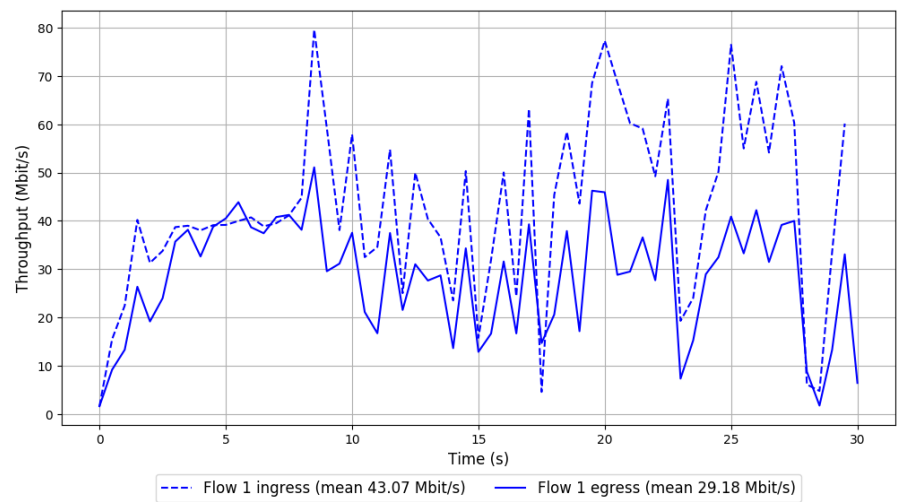


Run 10: Statistics of TCP BBR

Start at: 2018-01-25 12:00:45  
End at: 2018-01-25 12:01:15  
Local clock offset: -0.673 ms  
Remote clock offset: -0.326 ms

# Below is generated by plot.py at 2018-01-25 12:30:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 29.18 Mbit/s  
95th percentile per-packet one-way delay: 100.774 ms  
Loss rate: 32.26%  
-- Flow 1:  
Average throughput: 29.18 Mbit/s  
95th percentile per-packet one-way delay: 100.774 ms  
Loss rate: 32.26%

Run 10: Report of TCP BBR — Data Link

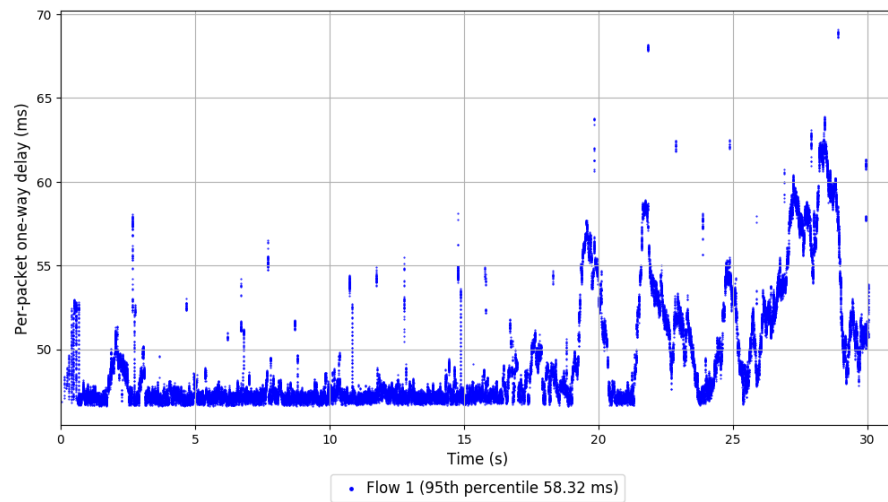
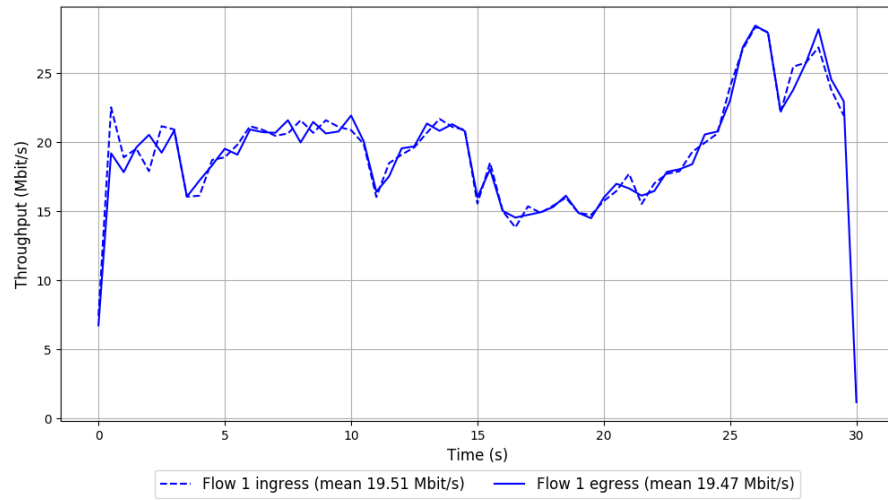


Run 1: Statistics of TCP Cubic

Start at: 2018-01-25 09:12:32  
End at: 2018-01-25 09:13:02  
Local clock offset: -0.269 ms  
Remote clock offset: -1.834 ms

# Below is generated by plot.py at 2018-01-25 12:30:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 19.47 Mbit/s  
95th percentile per-packet one-way delay: 58.322 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 19.47 Mbit/s  
95th percentile per-packet one-way delay: 58.322 ms  
Loss rate: 0.20%

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

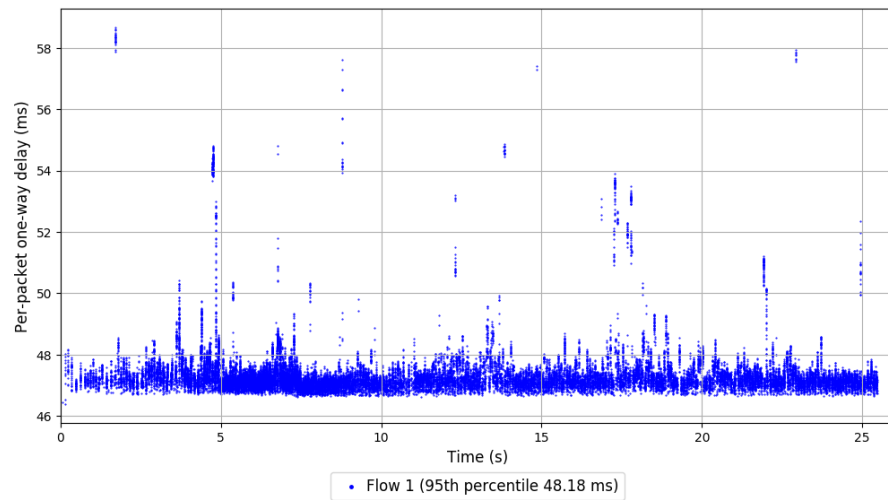
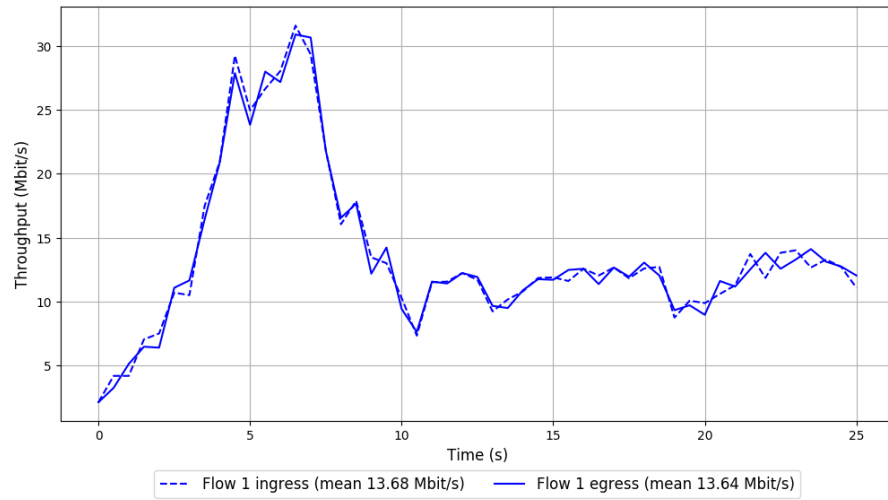


Run 2: Statistics of TCP Cubic

Start at: 2018-01-25 09:31:39  
End at: 2018-01-25 09:32:09  
Local clock offset: -0.061 ms  
Remote clock offset: -2.719 ms

# Below is generated by plot.py at 2018-01-25 12:30:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 13.64 Mbit/s  
95th percentile per-packet one-way delay: 48.180 ms  
Loss rate: 0.28%  
-- Flow 1:  
Average throughput: 13.64 Mbit/s  
95th percentile per-packet one-way delay: 48.180 ms  
Loss rate: 0.28%

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



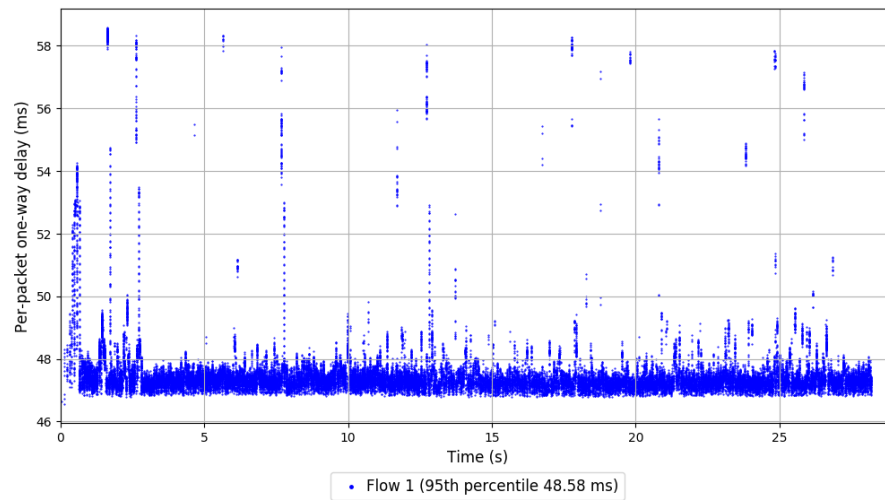
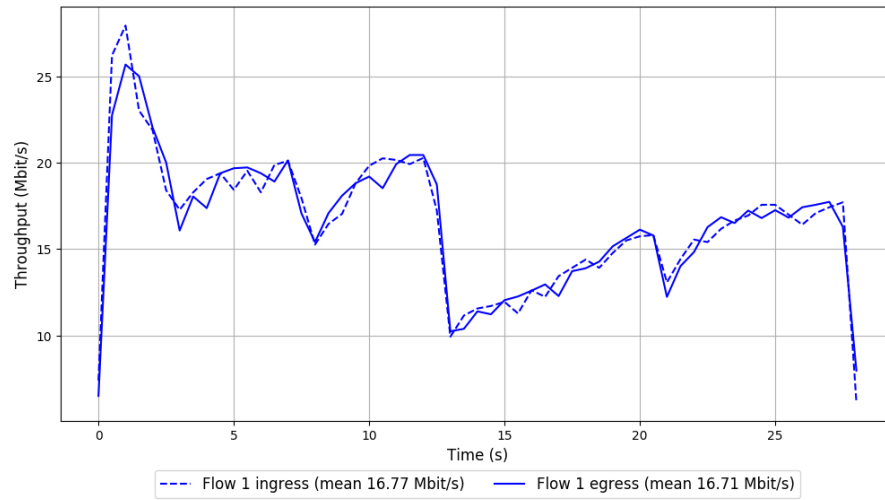
Run 3: Statistics of TCP Cubic

Start at: 2018-01-25 09:50:36  
End at: 2018-01-25 09:51:06  
Local clock offset: -0.36 ms  
Remote clock offset: -3.932 ms

# Below is generated by plot.py at 2018-01-25 12:30:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 16.71 Mbit/s  
95th percentile per-packet one-way delay: 48.575 ms  
Loss rate: 0.33%  
-- Flow 1:  
Average throughput: 16.71 Mbit/s  
95th percentile per-packet one-way delay: 48.575 ms  
Loss rate: 0.33%



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

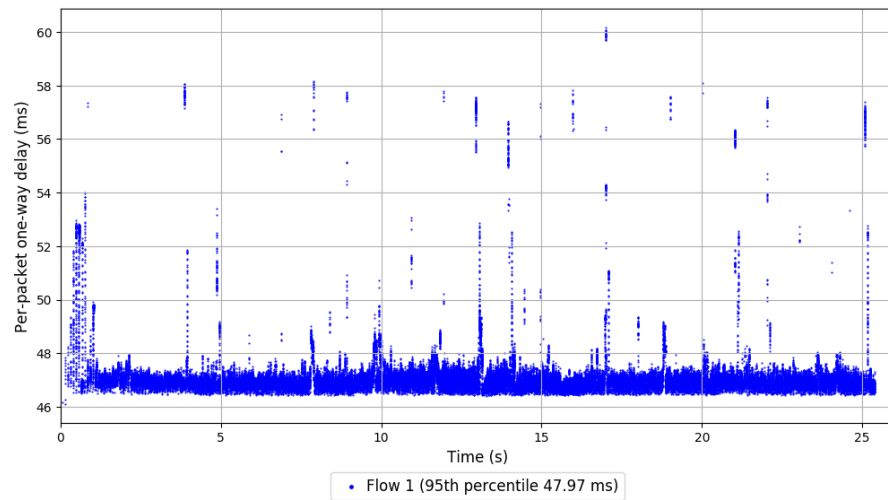
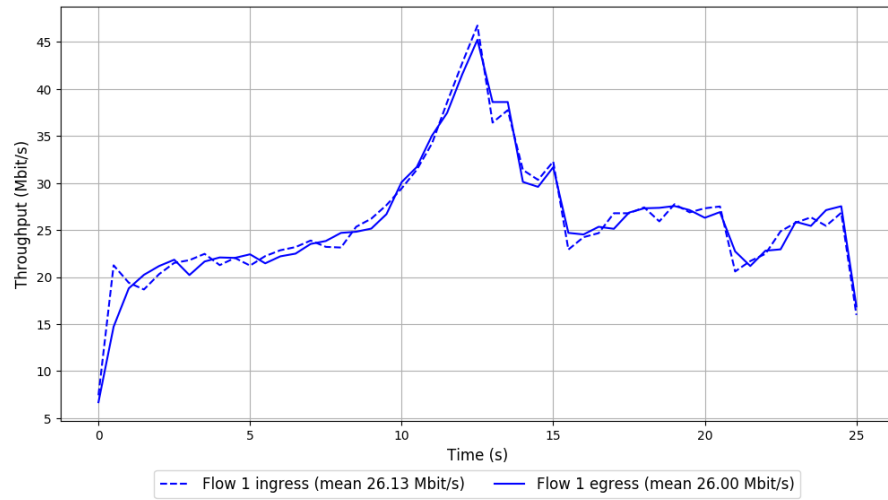


Run 4: Statistics of TCP Cubic

Start at: 2018-01-25 10:09:41  
End at: 2018-01-25 10:10:11  
Local clock offset: -0.368 ms  
Remote clock offset: -4.877 ms

# Below is generated by plot.py at 2018-01-25 12:30:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 26.00 Mbit/s  
95th percentile per-packet one-way delay: 47.966 ms  
Loss rate: 0.49%  
-- Flow 1:  
Average throughput: 26.00 Mbit/s  
95th percentile per-packet one-way delay: 47.966 ms  
Loss rate: 0.49%

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

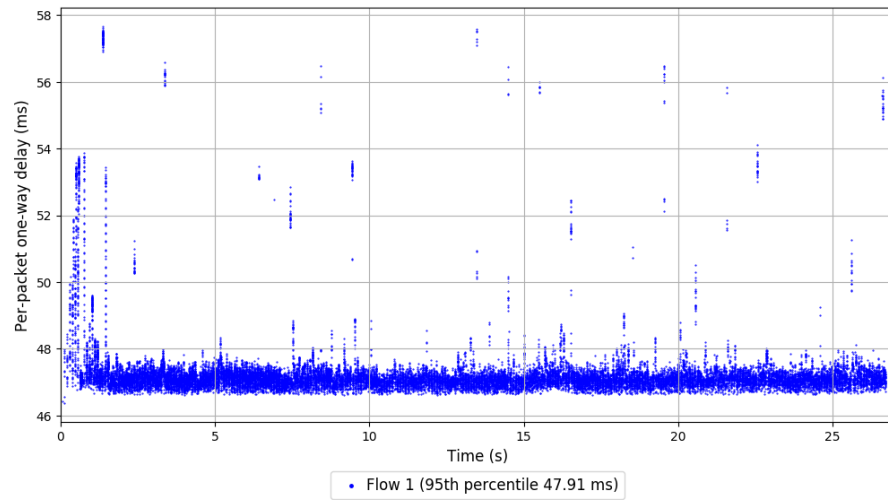
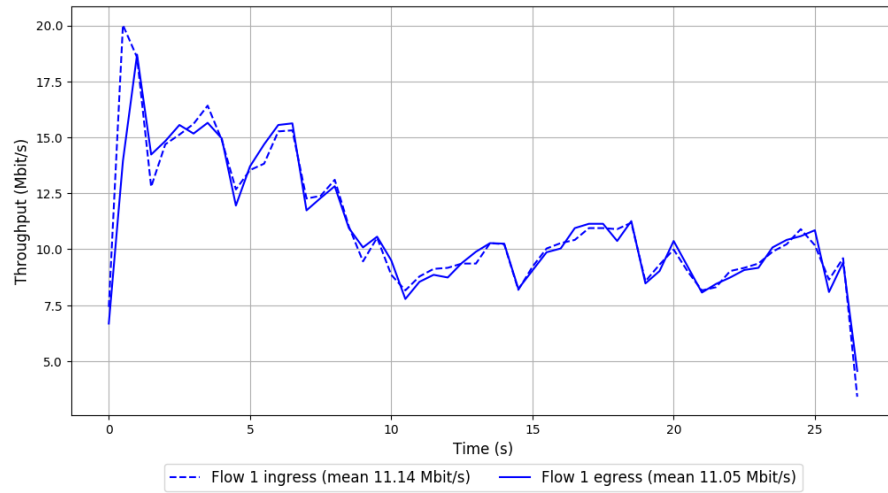


Run 5: Statistics of TCP Cubic

Start at: 2018-01-25 10:28:45  
End at: 2018-01-25 10:29:15  
Local clock offset: -0.411 ms  
Remote clock offset: -5.601 ms

# Below is generated by plot.py at 2018-01-25 12:30:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.05 Mbit/s  
95th percentile per-packet one-way delay: 47.908 ms  
Loss rate: 0.76%  
-- Flow 1:  
Average throughput: 11.05 Mbit/s  
95th percentile per-packet one-way delay: 47.908 ms  
Loss rate: 0.76%

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

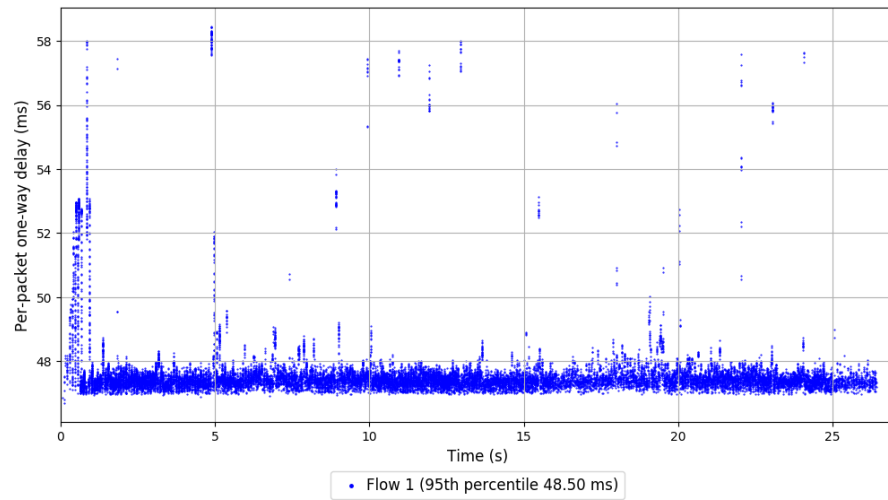
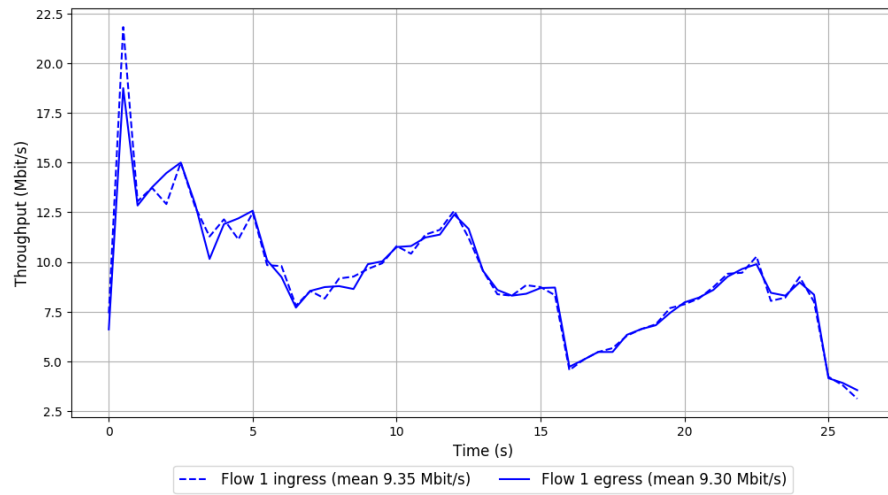


Run 6: Statistics of TCP Cubic

Start at: 2018-01-25 10:48:08  
End at: 2018-01-25 10:48:38  
Local clock offset: -0.904 ms  
Remote clock offset: -5.874 ms

# Below is generated by plot.py at 2018-01-25 12:30:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 9.30 Mbit/s  
95th percentile per-packet one-way delay: 48.497 ms  
Loss rate: 0.46%  
-- Flow 1:  
Average throughput: 9.30 Mbit/s  
95th percentile per-packet one-way delay: 48.497 ms  
Loss rate: 0.46%

## Run 6: Report of TCP Cubic — Data Link



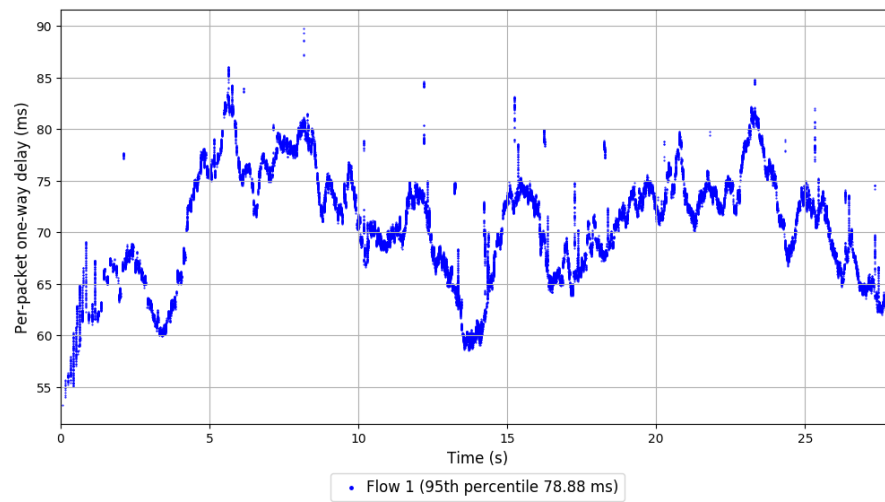
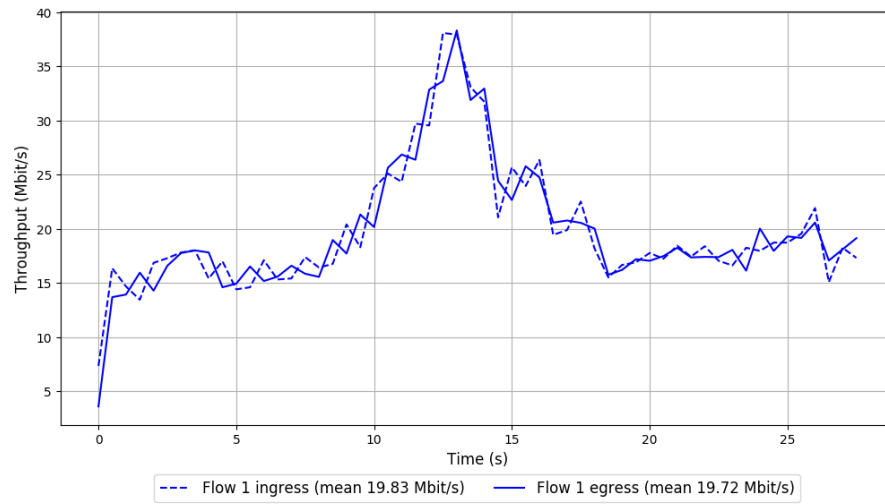
Run 7: Statistics of TCP Cubic

Start at: 2018-01-25 11:07:14  
End at: 2018-01-25 11:07:44  
Local clock offset: -0.764 ms  
Remote clock offset: -5.499 ms

# Below is generated by plot.py at 2018-01-25 12:30:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 19.72 Mbit/s  
95th percentile per-packet one-way delay: 78.876 ms  
Loss rate: 0.56%  
-- Flow 1:  
Average throughput: 19.72 Mbit/s  
95th percentile per-packet one-way delay: 78.876 ms  
Loss rate: 0.56%



### Run 7: Report of TCP Cubic — Data Link

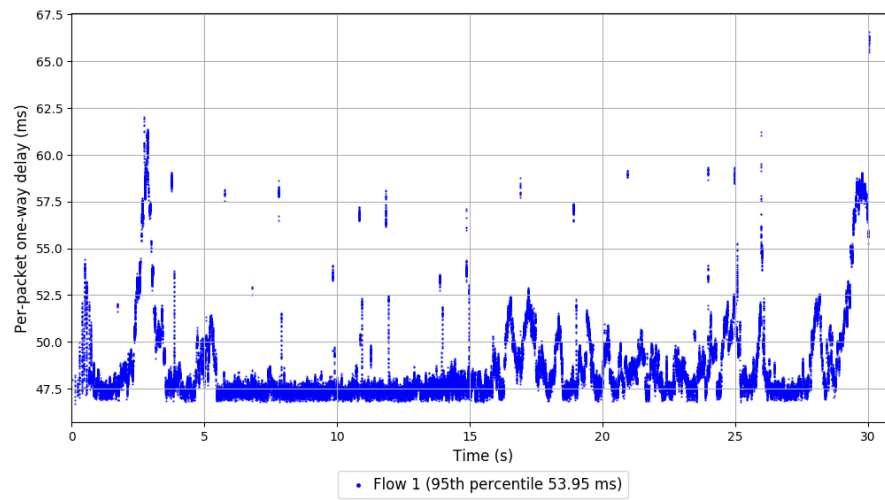
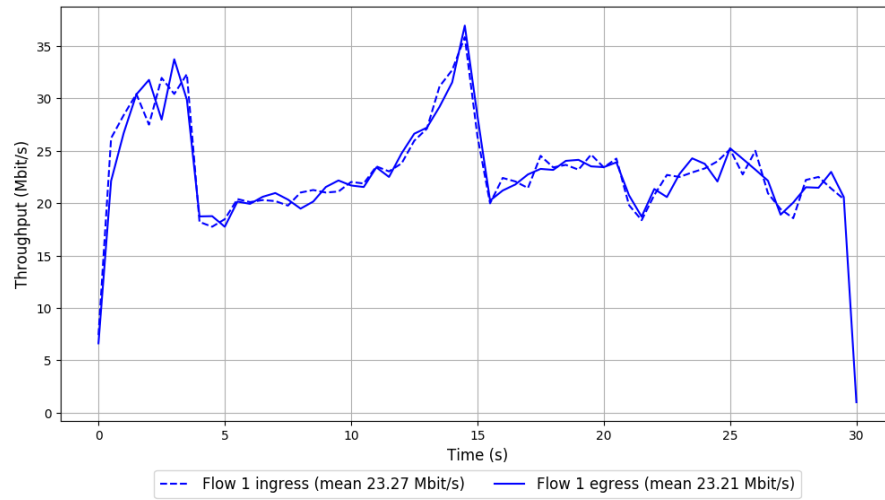


Run 8: Statistics of TCP Cubic

Start at: 2018-01-25 11:26:16  
End at: 2018-01-25 11:26:46  
Local clock offset: -0.509 ms  
Remote clock offset: -4.302 ms

# Below is generated by plot.py at 2018-01-25 12:30:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 23.21 Mbit/s  
95th percentile per-packet one-way delay: 53.953 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 23.21 Mbit/s  
95th percentile per-packet one-way delay: 53.953 ms  
Loss rate: 0.20%

## Run 8: Report of TCP Cubic — Data Link

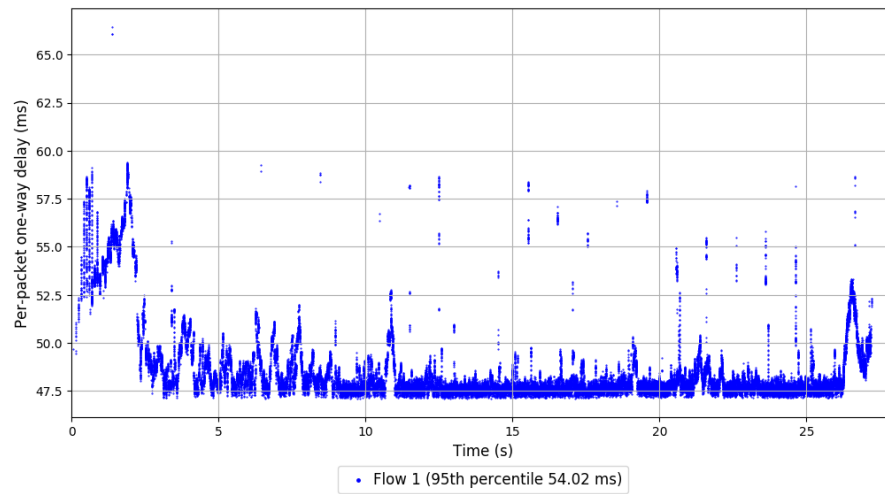
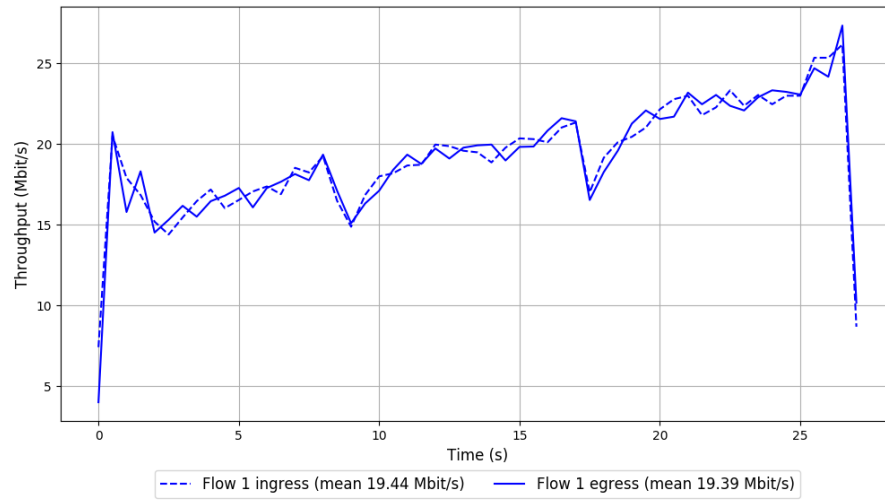


Run 9: Statistics of TCP Cubic

Start at: 2018-01-25 11:45:21  
End at: 2018-01-25 11:45:51  
Local clock offset: -0.954 ms  
Remote clock offset: -2.344 ms

# Below is generated by plot.py at 2018-01-25 12:30:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 19.39 Mbit/s  
95th percentile per-packet one-way delay: 54.019 ms  
Loss rate: 0.27%  
-- Flow 1:  
Average throughput: 19.39 Mbit/s  
95th percentile per-packet one-way delay: 54.019 ms  
Loss rate: 0.27%

### Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

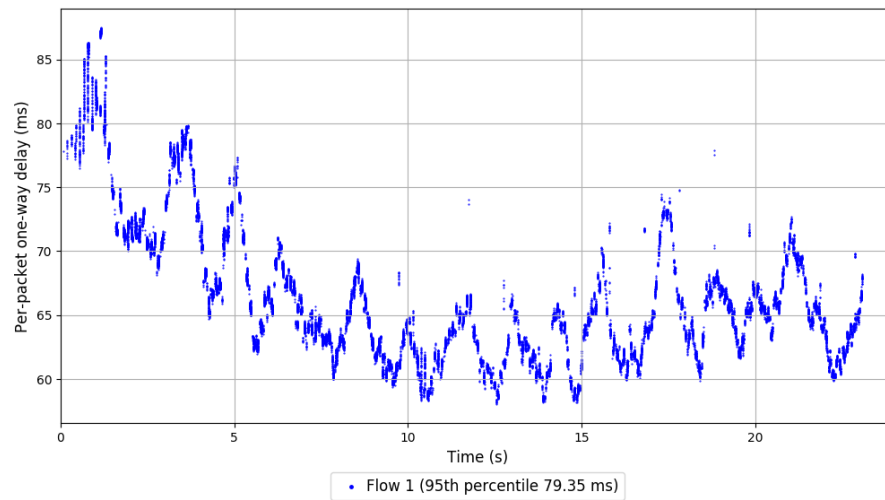
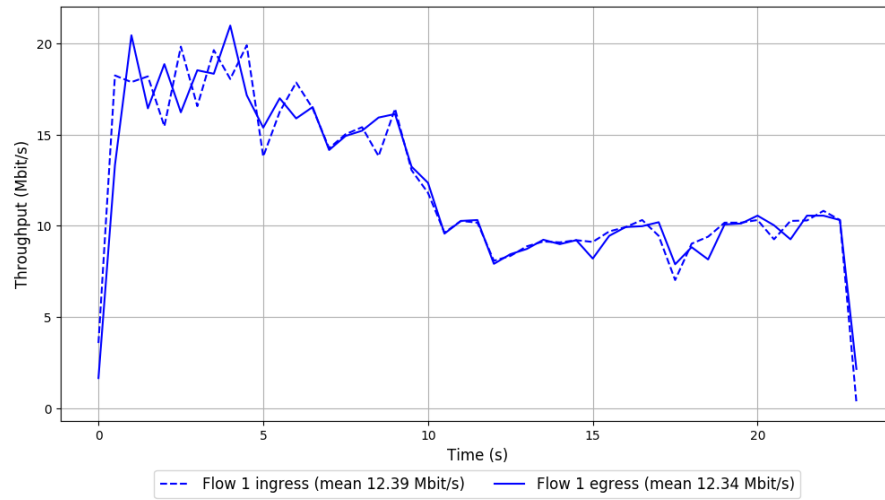
Start at: 2018-01-25 12:04:24

End at: 2018-01-25 12:04:54

Local clock offset: -0.7 ms

Remote clock offset: 0.094 ms

### Run 10: Report of TCP Cubic — Data Link



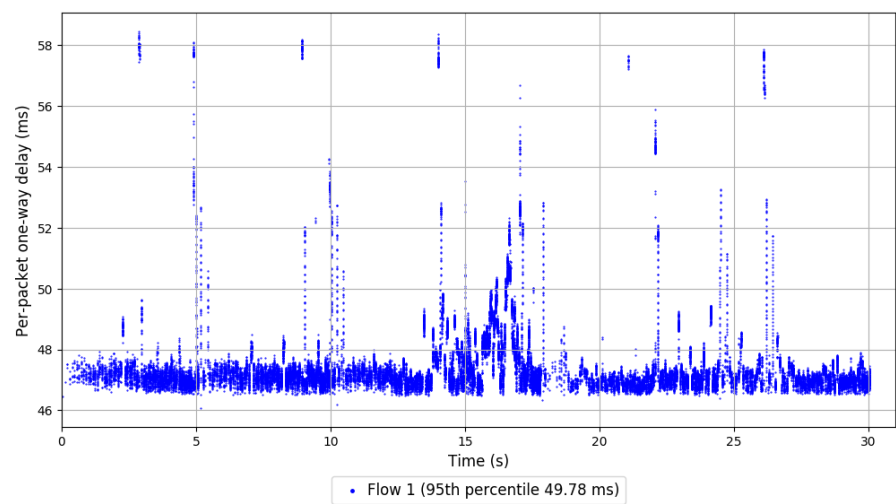
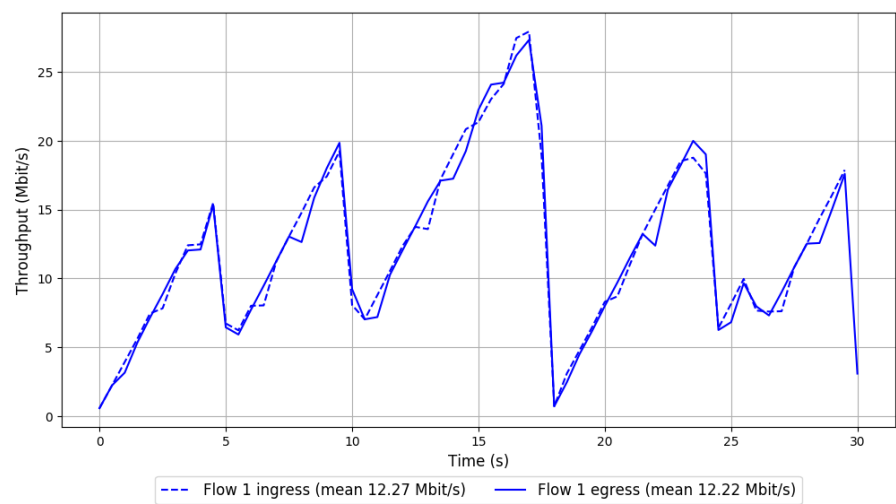
Run 1: Statistics of LEDBAT

Start at: 2018-01-25 09:19:45  
End at: 2018-01-25 09:20:15  
Local clock offset: -0.135 ms  
Remote clock offset: -2.106 ms

# Below is generated by plot.py at 2018-01-25 12:30:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.22 Mbit/s  
95th percentile per-packet one-way delay: 49.778 ms  
Loss rate: 0.41%  
-- Flow 1:  
Average throughput: 12.22 Mbit/s  
95th percentile per-packet one-way delay: 49.778 ms  
Loss rate: 0.41%



Run 1: Report of LEDBAT — Data Link

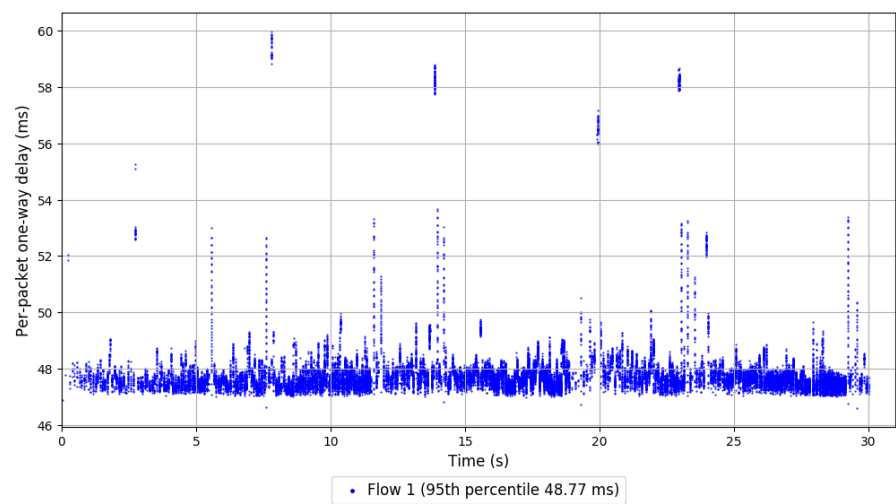
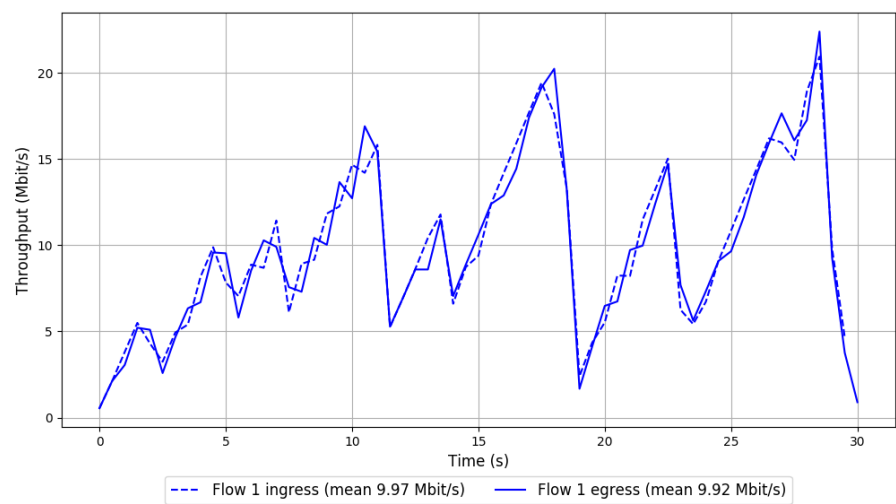


Run 2: Statistics of LEDBAT

Start at: 2018-01-25 09:38:45  
End at: 2018-01-25 09:39:15  
Local clock offset: -0.531 ms  
Remote clock offset: -3.196 ms

# Below is generated by plot.py at 2018-01-25 12:30:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 9.92 Mbit/s  
95th percentile per-packet one-way delay: 48.765 ms  
Loss rate: 0.51%  
-- Flow 1:  
Average throughput: 9.92 Mbit/s  
95th percentile per-packet one-way delay: 48.765 ms  
Loss rate: 0.51%

Run 2: Report of LEDBAT — Data Link

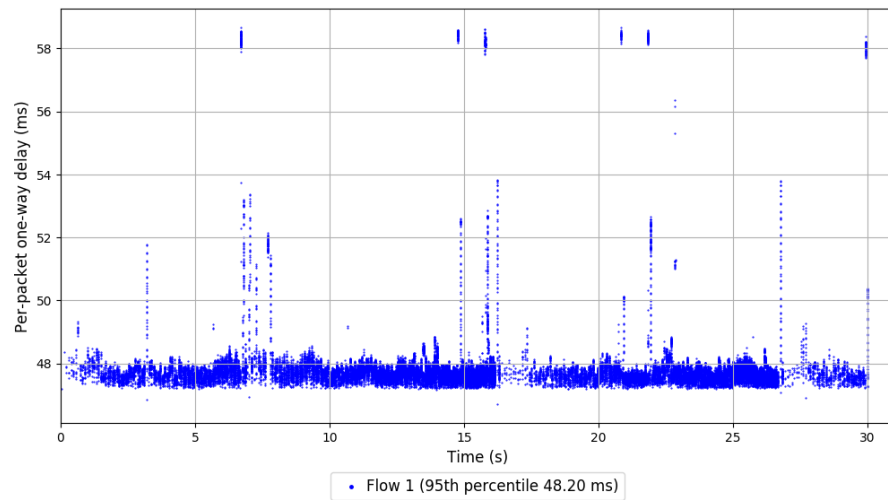
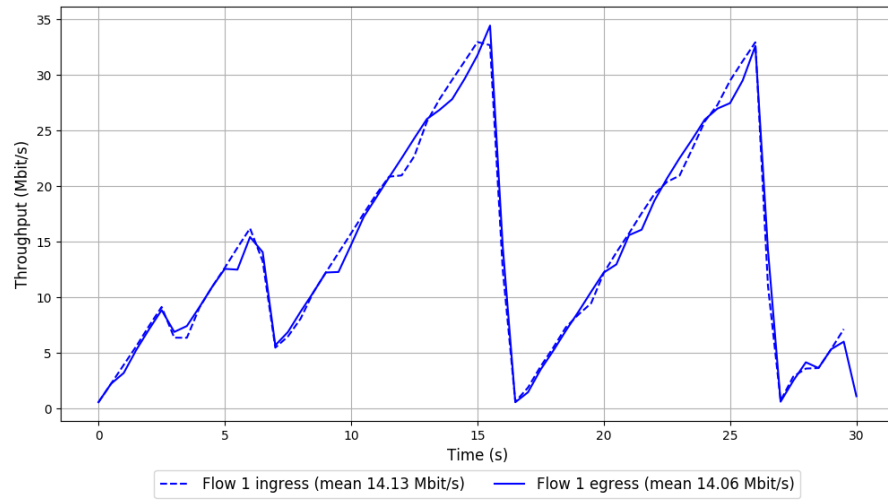


Run 3: Statistics of LEDBAT

Start at: 2018-01-25 09:57:47  
End at: 2018-01-25 09:58:18  
Local clock offset: -0.925 ms  
Remote clock offset: -4.109 ms

# Below is generated by plot.py at 2018-01-25 12:30:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 14.06 Mbit/s  
95th percentile per-packet one-way delay: 48.203 ms  
Loss rate: 0.47%  
-- Flow 1:  
Average throughput: 14.06 Mbit/s  
95th percentile per-packet one-way delay: 48.203 ms  
Loss rate: 0.47%

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

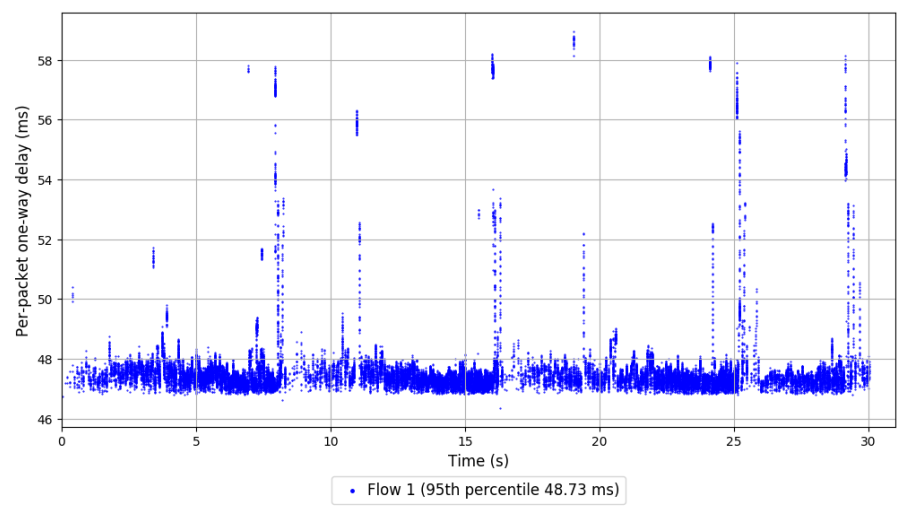
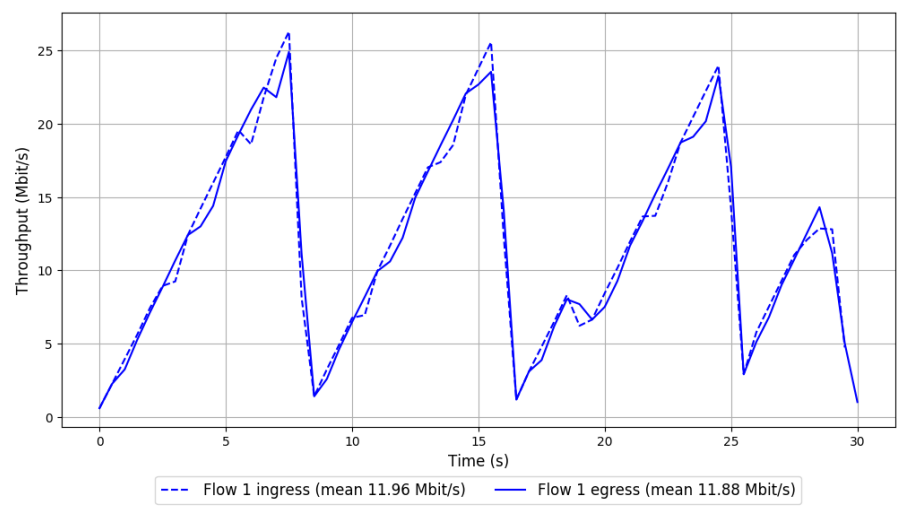


Run 4: Statistics of LEDBAT

Start at: 2018-01-25 10:16:53  
End at: 2018-01-25 10:17:23  
Local clock offset: -0.84 ms  
Remote clock offset: -5.251 ms

# Below is generated by plot.py at 2018-01-25 12:30:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.88 Mbit/s  
95th percentile per-packet one-way delay: 48.725 ms  
Loss rate: 0.62%  
-- Flow 1:  
Average throughput: 11.88 Mbit/s  
95th percentile per-packet one-way delay: 48.725 ms  
Loss rate: 0.62%

Run 4: Report of LEDBAT — Data Link



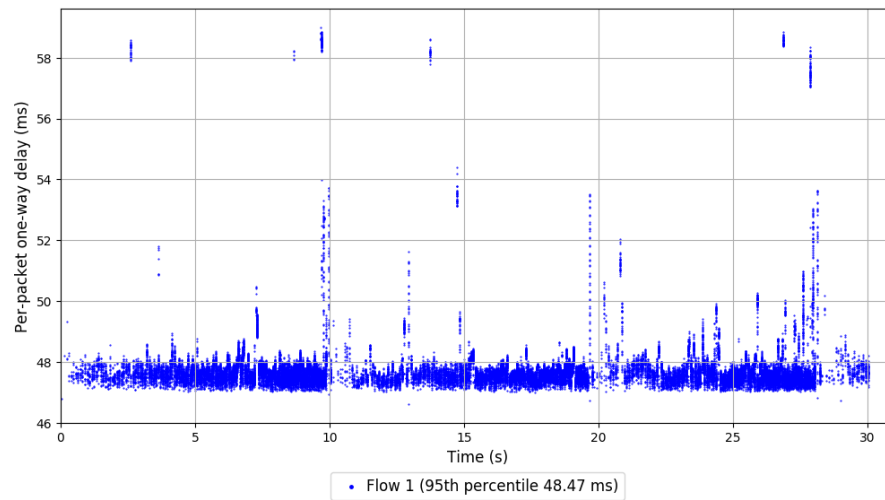
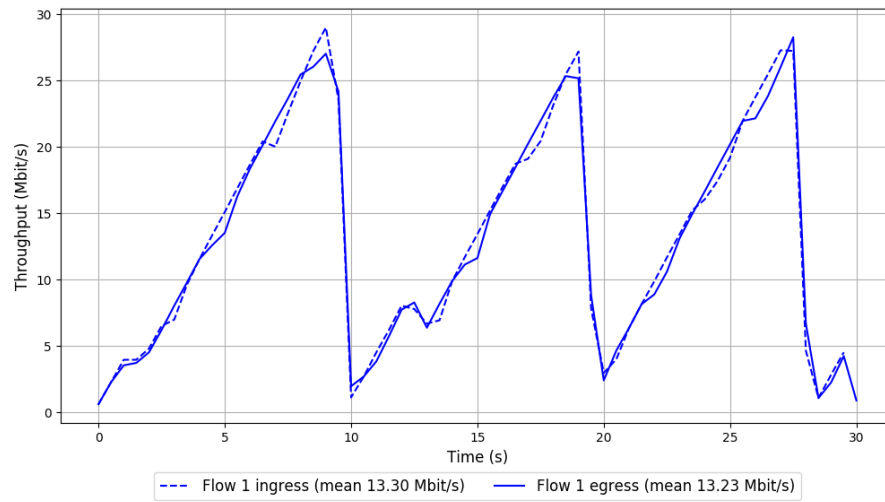
Run 5: Statistics of LEDBAT

Start at: 2018-01-25 10:35:56  
End at: 2018-01-25 10:36:26  
Local clock offset: -1.06 ms  
Remote clock offset: -5.687 ms

# Below is generated by plot.py at 2018-01-25 12:31:02  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 13.23 Mbit/s  
95th percentile per-packet one-way delay: 48.470 ms  
Loss rate: 0.53%  
-- Flow 1:  
Average throughput: 13.23 Mbit/s  
95th percentile per-packet one-way delay: 48.470 ms  
Loss rate: 0.53%



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

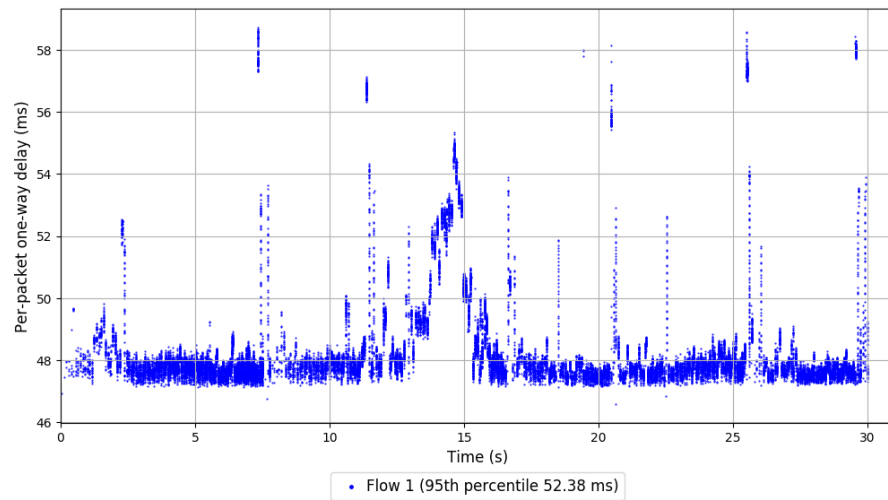
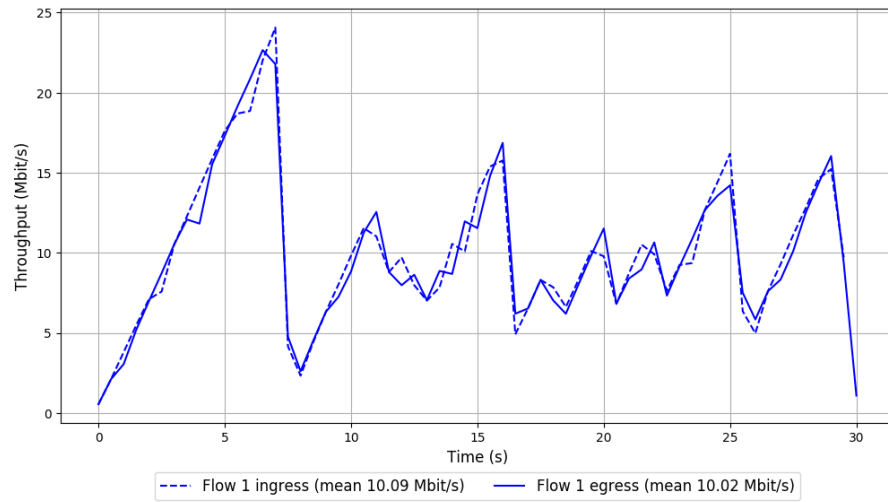


Run 6: Statistics of LEDBAT

Start at: 2018-01-25 10:55:17  
End at: 2018-01-25 10:55:47  
Local clock offset: -0.849 ms  
Remote clock offset: -6.027 ms

# Below is generated by plot.py at 2018-01-25 12:31:02  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 10.02 Mbit/s  
95th percentile per-packet one-way delay: 52.375 ms  
Loss rate: 0.66%  
-- Flow 1:  
Average throughput: 10.02 Mbit/s  
95th percentile per-packet one-way delay: 52.375 ms  
Loss rate: 0.66%

## Run 6: Report of LEDBAT — Data Link

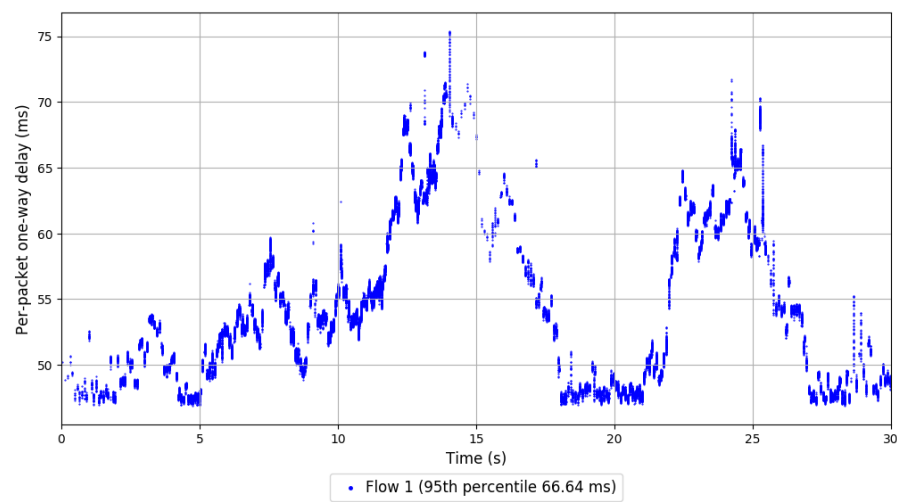
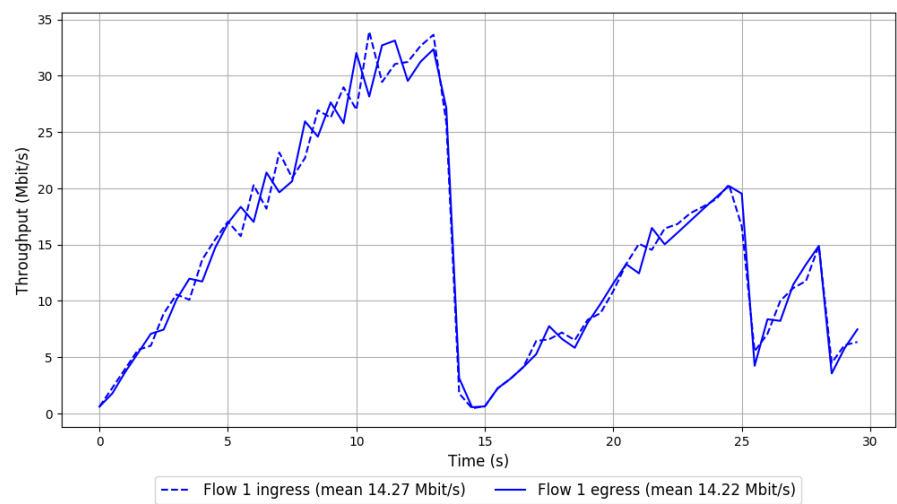


Run 7: Statistics of LEDBAT

Start at: 2018-01-25 11:14:22  
End at: 2018-01-25 11:14:52  
Local clock offset: -0.603 ms  
Remote clock offset: -5.048 ms

# Below is generated by plot.py at 2018-01-25 12:31:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 14.22 Mbit/s  
95th percentile per-packet one-way delay: 66.643 ms  
Loss rate: 0.35%  
-- Flow 1:  
Average throughput: 14.22 Mbit/s  
95th percentile per-packet one-way delay: 66.643 ms  
Loss rate: 0.35%

Run 7: Report of LEDBAT — Data Link

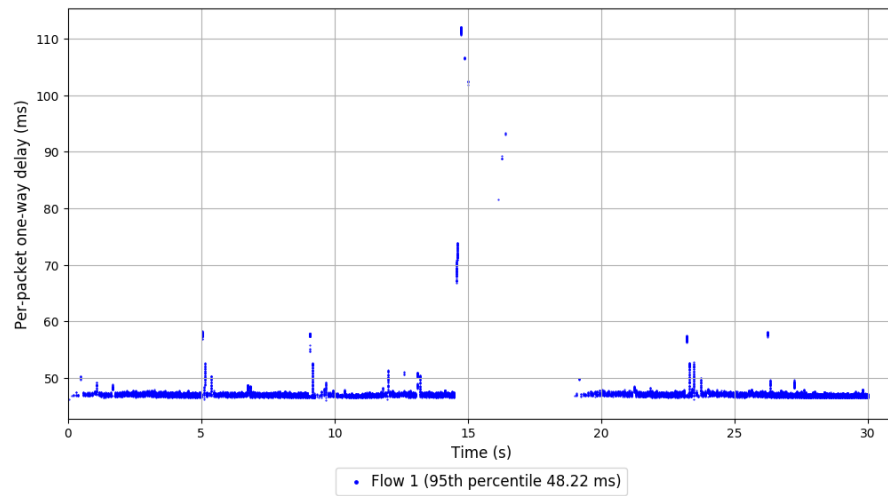
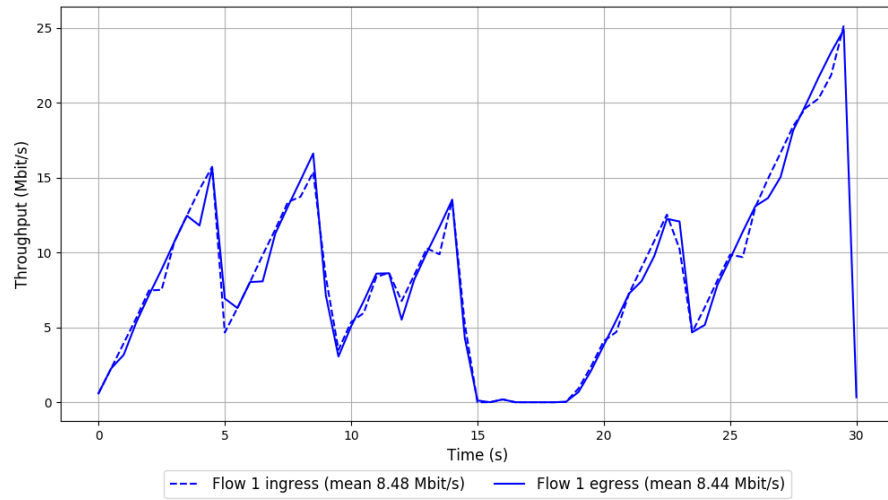


Run 8: Statistics of LEDBAT

Start at: 2018-01-25 11:33:25  
End at: 2018-01-25 11:33:55  
Local clock offset: -0.324 ms  
Remote clock offset: -3.942 ms

# Below is generated by plot.py at 2018-01-25 12:31:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 8.44 Mbit/s  
95th percentile per-packet one-way delay: 48.223 ms  
Loss rate: 0.47%  
-- Flow 1:  
Average throughput: 8.44 Mbit/s  
95th percentile per-packet one-way delay: 48.223 ms  
Loss rate: 0.47%

## Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-01-25 11:52:28

End at: 2018-01-25 11:52:58

Local clock offset: -0.525 ms

Remote clock offset: -1.41 ms

# Below is generated by plot.py at 2018-01-25 12:31:04

# Datalink statistics

-- Total of 1 flow:

Average throughput: 8.80 Mbit/s

95th percentile per-packet one-way delay: 79.166 ms

Loss rate: 0.45%

-- Flow 1:

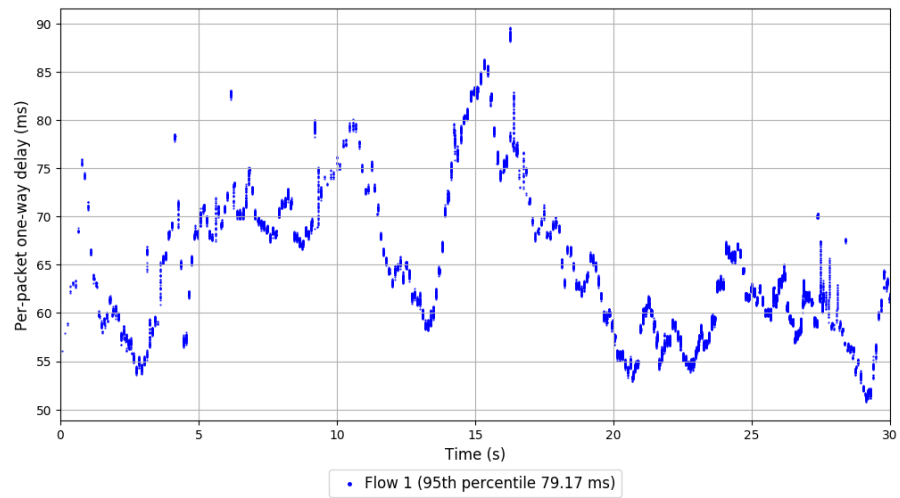
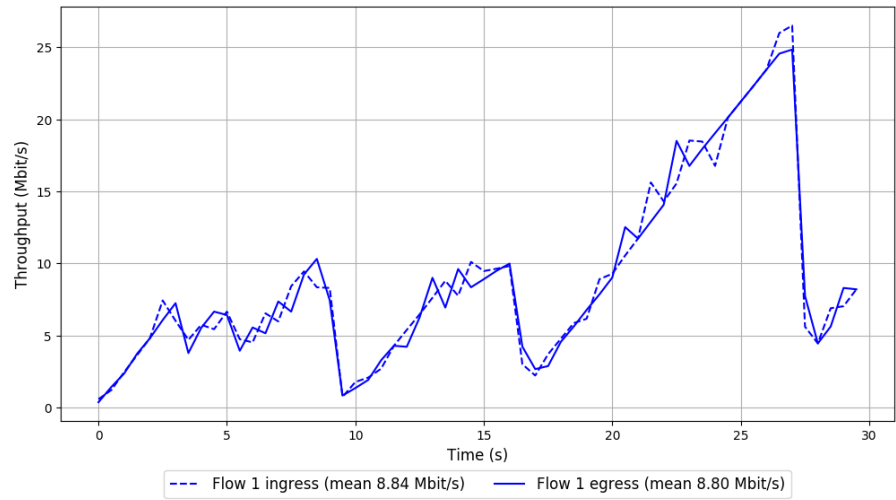
Average throughput: 8.80 Mbit/s

95th percentile per-packet one-way delay: 79.166 ms

Loss rate: 0.45%



### Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-01-25 12:11:29

End at: 2018-01-25 12:11:59

Local clock offset: -0.832 ms

Remote clock offset: 0.927 ms

# Below is generated by plot.py at 2018-01-25 12:31:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.94 Mbit/s

95th percentile per-packet one-way delay: 68.010 ms

Loss rate: 0.52%

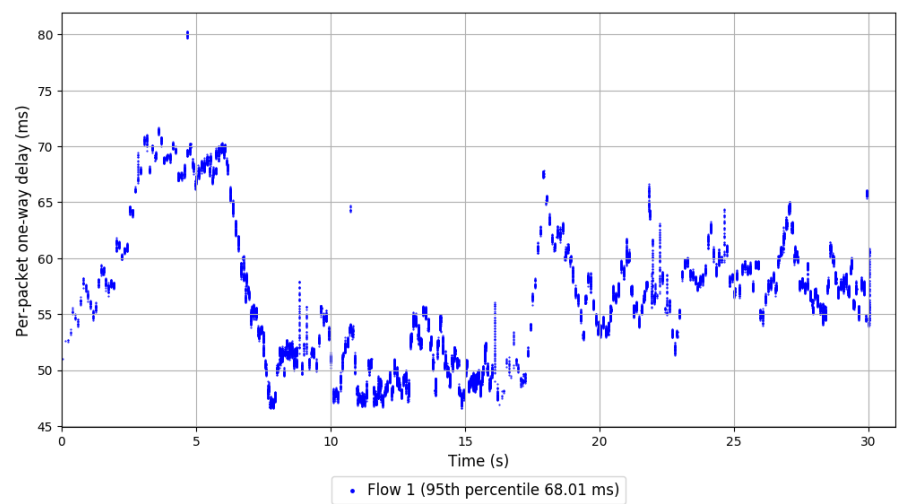
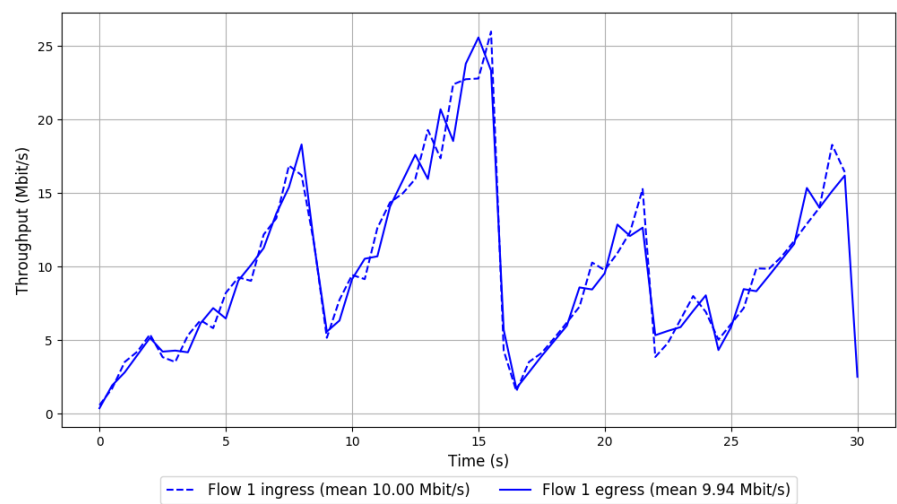
-- Flow 1:

Average throughput: 9.94 Mbit/s

95th percentile per-packet one-way delay: 68.010 ms

Loss rate: 0.52%

Run 10: Report of LEDBAT — Data Link

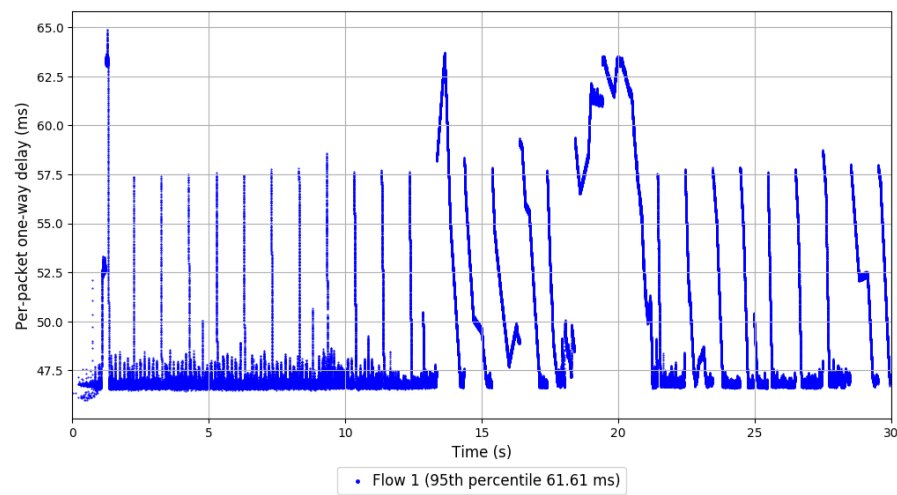
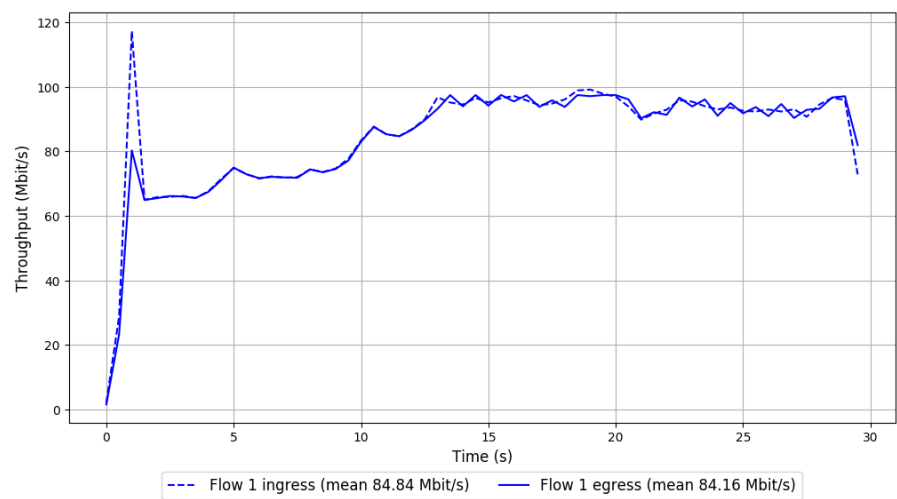


```
Run 1: Statistics of PCC

Start at: 2018-01-25 09:20:54
End at: 2018-01-25 09:21:24
Local clock offset: -0.016 ms
Remote clock offset: -2.237 ms

# Below is generated by plot.py at 2018-01-25 12:32:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.16 Mbit/s
95th percentile per-packet one-way delay: 61.607 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 84.16 Mbit/s
95th percentile per-packet one-way delay: 61.607 ms
Loss rate: 0.80%
```

Run 1: Report of PCC — Data Link

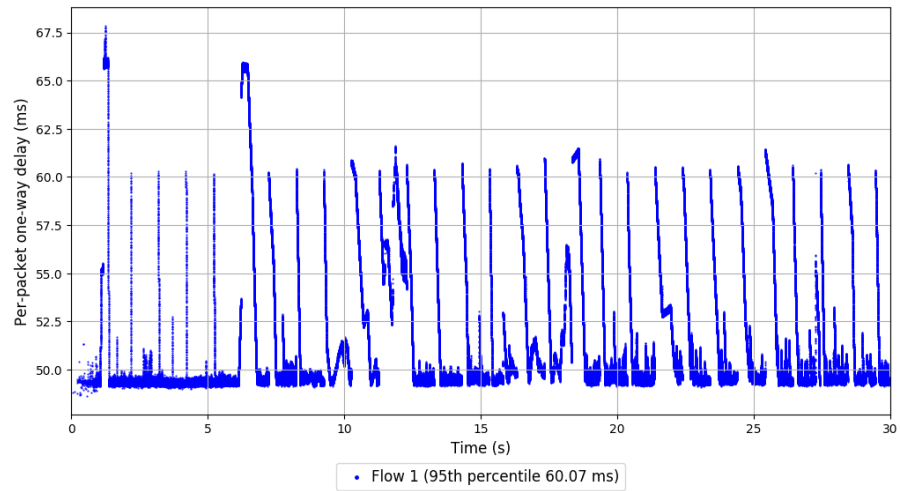
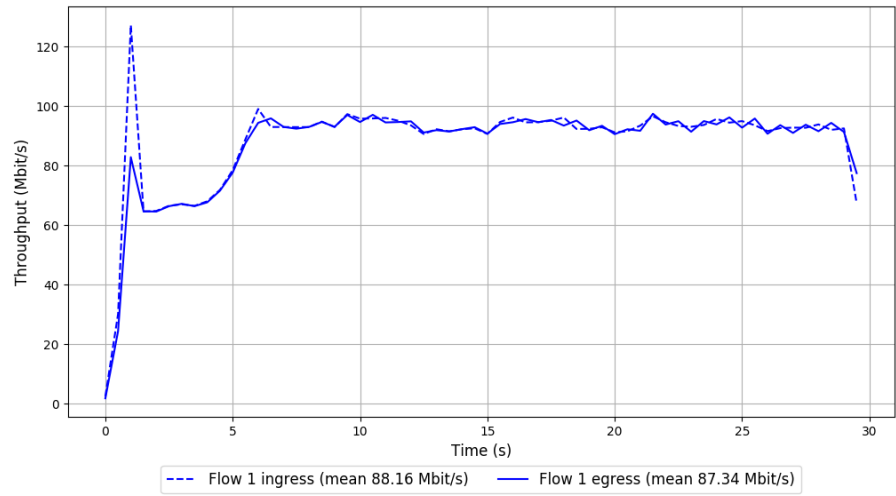


Run 2: Statistics of PCC

Start at: 2018-01-25 09:39:54  
End at: 2018-01-25 09:40:24  
Local clock offset: -2.904 ms  
Remote clock offset: -3.271 ms

# Below is generated by plot.py at 2018-01-25 12:32:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.34 Mbit/s  
95th percentile per-packet one-way delay: 60.068 ms  
Loss rate: 0.93%  
-- Flow 1:  
Average throughput: 87.34 Mbit/s  
95th percentile per-packet one-way delay: 60.068 ms  
Loss rate: 0.93%

## Run 2: Report of PCC — Data Link



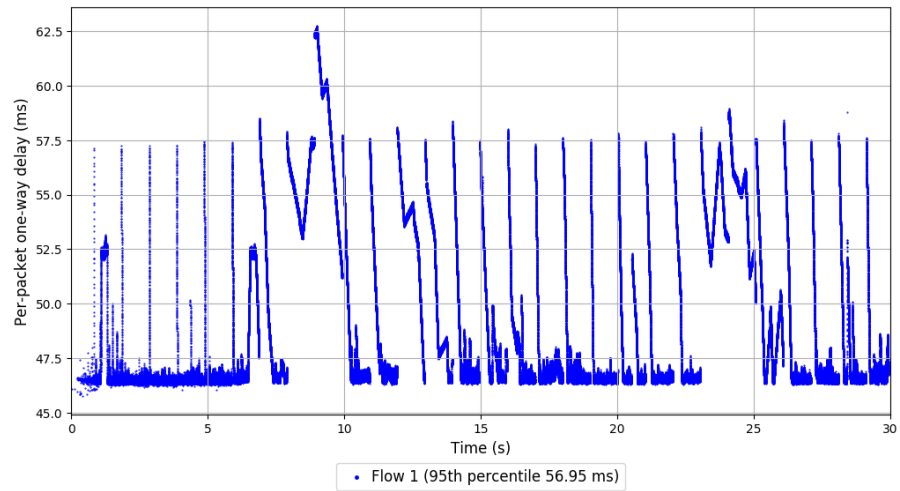
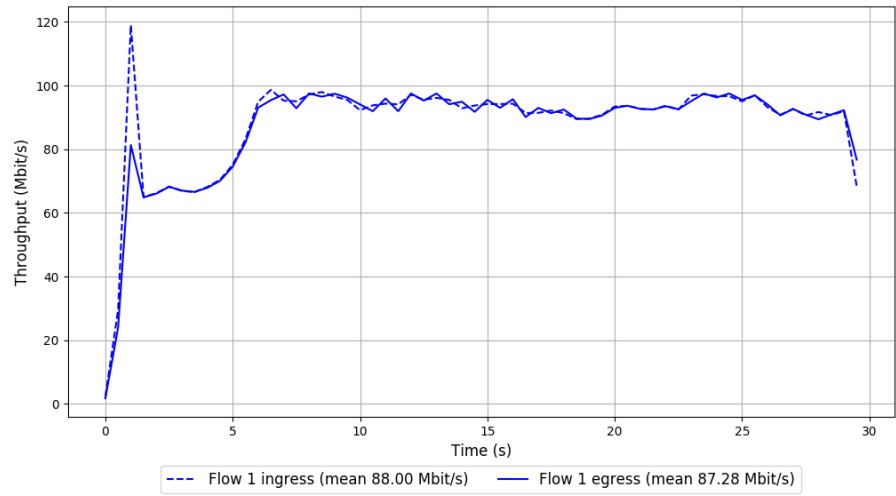
Run 3: Statistics of PCC

Start at: 2018-01-25 09:58:57  
End at: 2018-01-25 09:59:27  
Local clock offset: -0.221 ms  
Remote clock offset: -4.351 ms

# Below is generated by plot.py at 2018-01-25 12:32:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.28 Mbit/s  
95th percentile per-packet one-way delay: 56.951 ms  
Loss rate: 0.81%  
-- Flow 1:  
Average throughput: 87.28 Mbit/s  
95th percentile per-packet one-way delay: 56.951 ms  
Loss rate: 0.81%



### Run 3: Report of PCC — Data Link

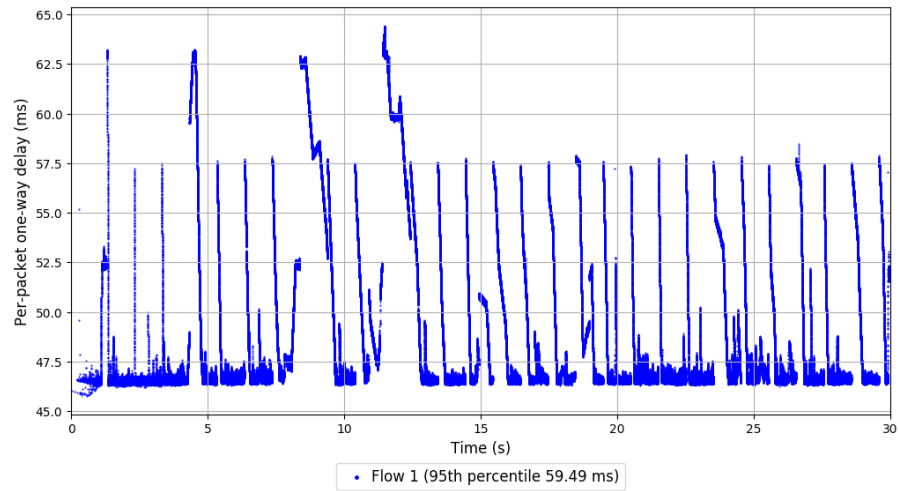
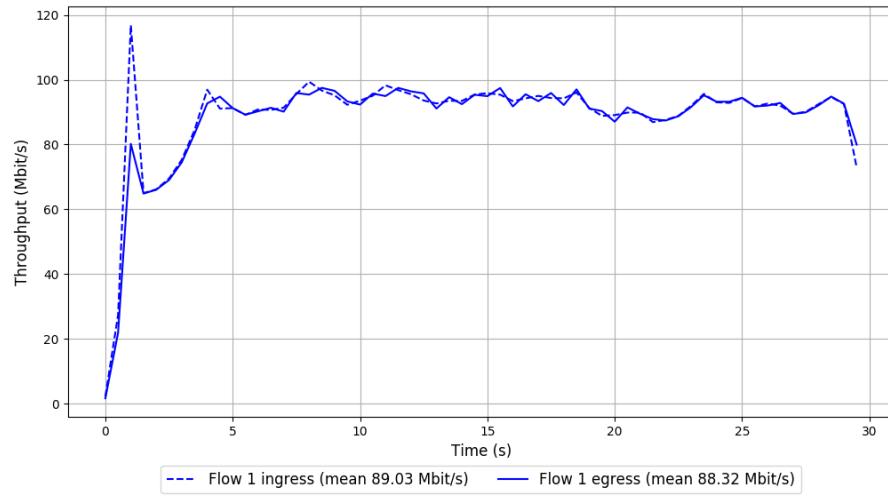


Run 4: Statistics of PCC

Start at: 2018-01-25 10:18:02  
End at: 2018-01-25 10:18:32  
Local clock offset: -0.298 ms  
Remote clock offset: -5.262 ms

# Below is generated by plot.py at 2018-01-25 12:32:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.32 Mbit/s  
95th percentile per-packet one-way delay: 59.495 ms  
Loss rate: 0.78%  
-- Flow 1:  
Average throughput: 88.32 Mbit/s  
95th percentile per-packet one-way delay: 59.495 ms  
Loss rate: 0.78%

#### Run 4: Report of PCC — Data Link

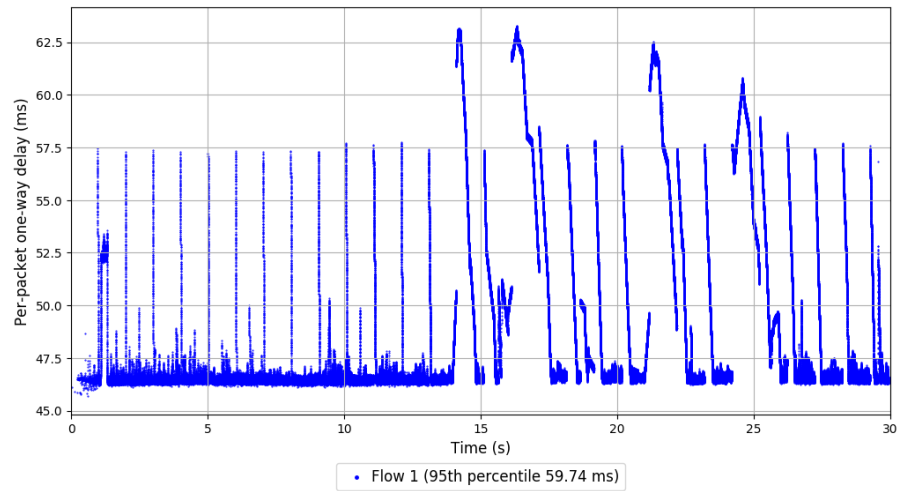
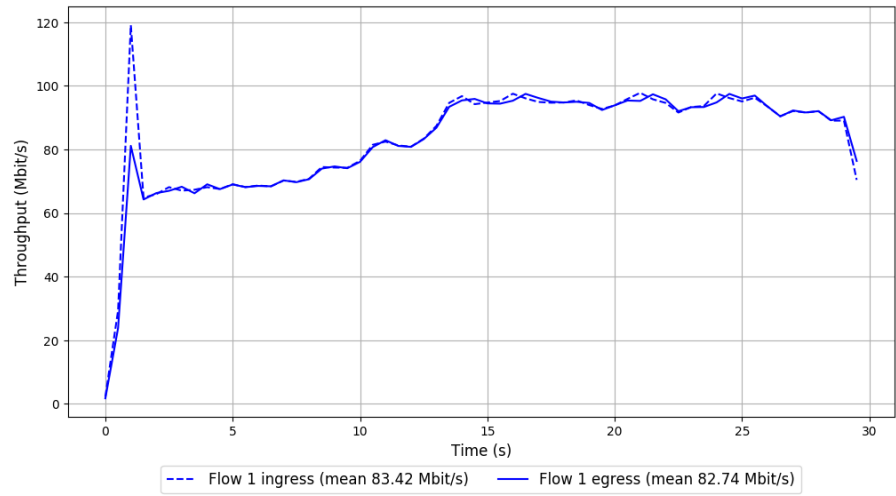


Run 5: Statistics of PCC

Start at: 2018-01-25 10:37:05  
End at: 2018-01-25 10:37:35  
Local clock offset: -0.219 ms  
Remote clock offset: -5.667 ms

# Below is generated by plot.py at 2018-01-25 12:32:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 82.74 Mbit/s  
95th percentile per-packet one-way delay: 59.737 ms  
Loss rate: 0.81%  
-- Flow 1:  
Average throughput: 82.74 Mbit/s  
95th percentile per-packet one-way delay: 59.737 ms  
Loss rate: 0.81%

### Run 5: Report of PCC — Data Link

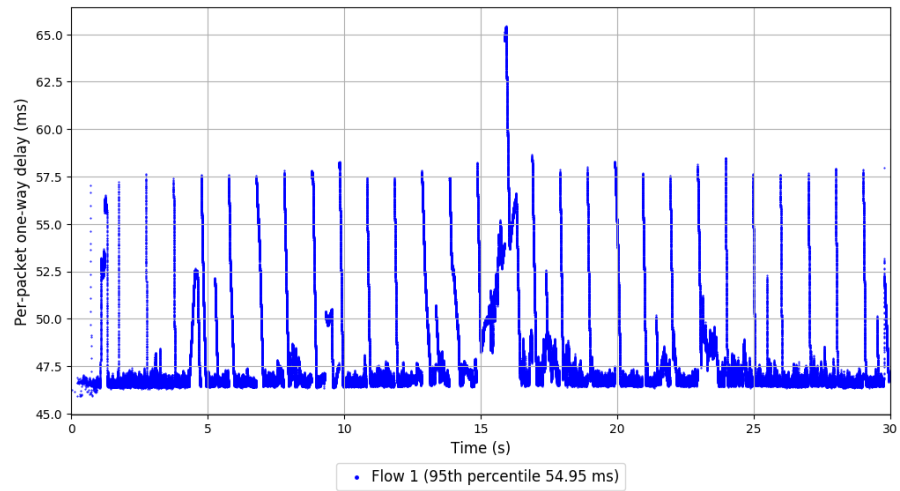
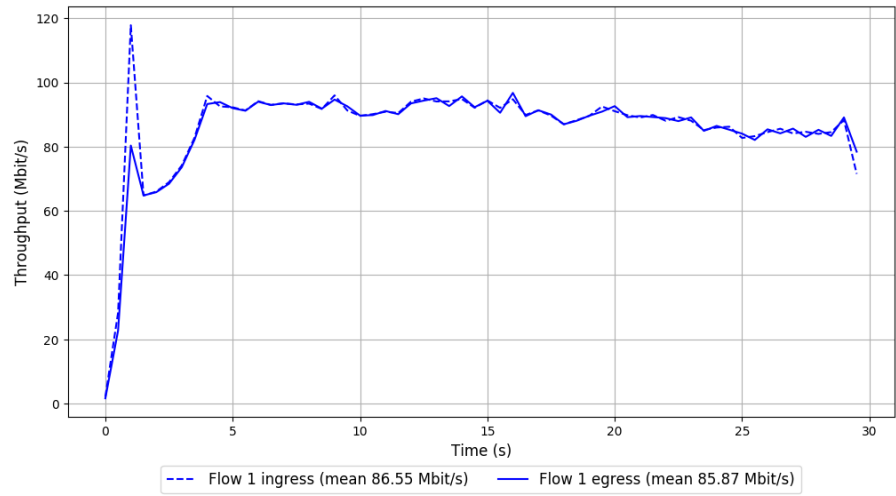


Run 6: Statistics of PCC

Start at: 2018-01-25 10:56:26  
End at: 2018-01-25 10:56:56  
Local clock offset: -0.062 ms  
Remote clock offset: -6.019 ms

# Below is generated by plot.py at 2018-01-25 12:32:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.87 Mbit/s  
95th percentile per-packet one-way delay: 54.953 ms  
Loss rate: 0.79%  
-- Flow 1:  
Average throughput: 85.87 Mbit/s  
95th percentile per-packet one-way delay: 54.953 ms  
Loss rate: 0.79%

## Run 6: Report of PCC — Data Link



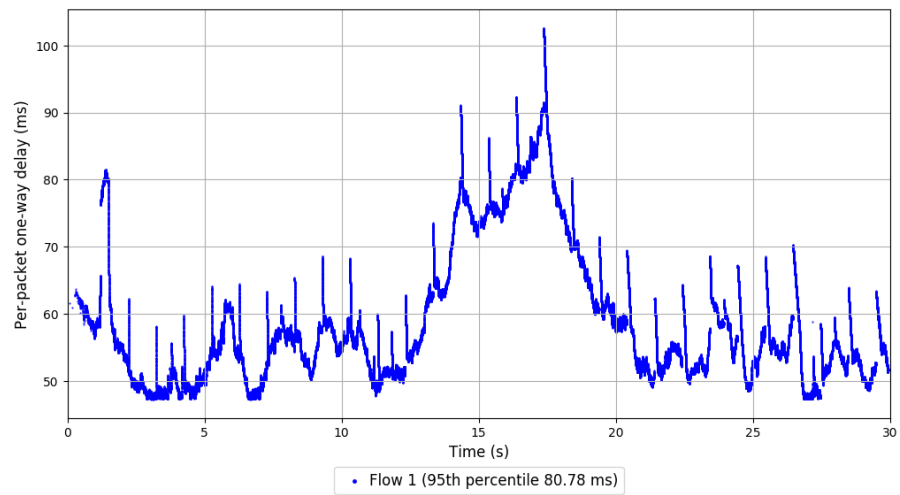
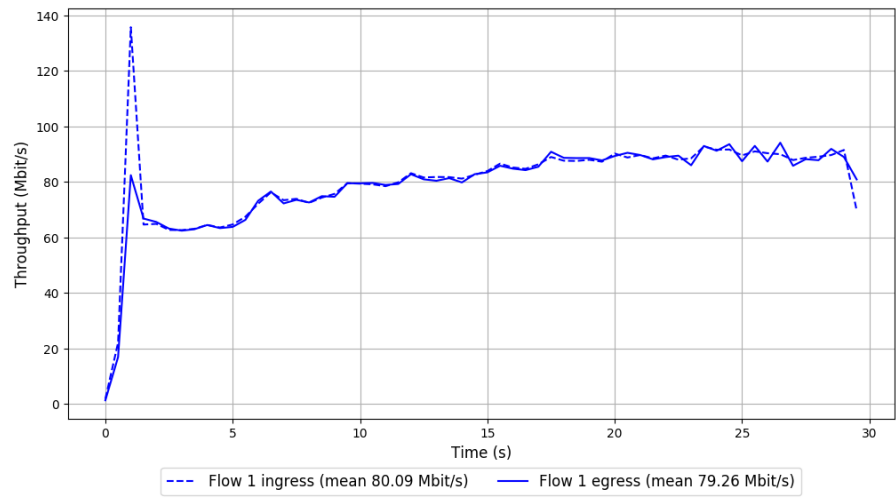
Run 7: Statistics of PCC

Start at: 2018-01-25 11:15:31  
End at: 2018-01-25 11:16:01  
Local clock offset: -0.965 ms  
Remote clock offset: -4.919 ms

# Below is generated by plot.py at 2018-01-25 12:32:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 79.26 Mbit/s  
95th percentile per-packet one-way delay: 80.782 ms  
Loss rate: 1.08%  
-- Flow 1:  
Average throughput: 79.26 Mbit/s  
95th percentile per-packet one-way delay: 80.782 ms  
Loss rate: 1.08%



## Run 7: Report of PCC — Data Link

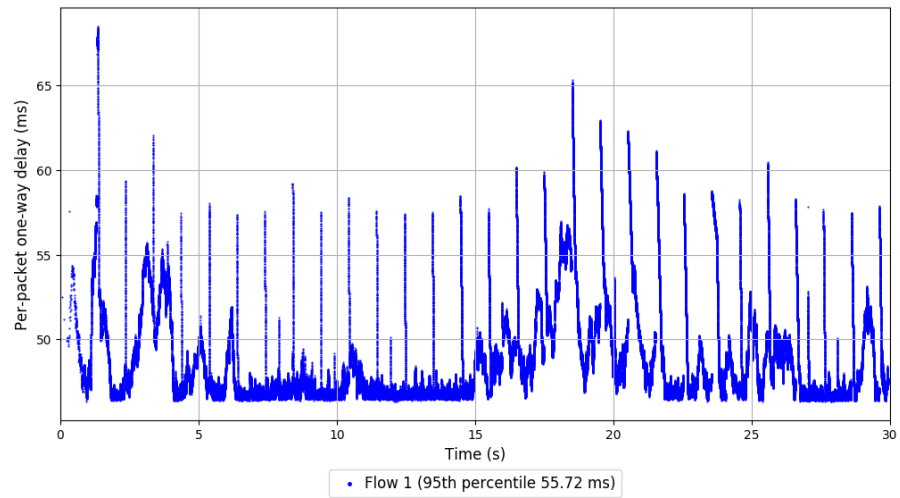
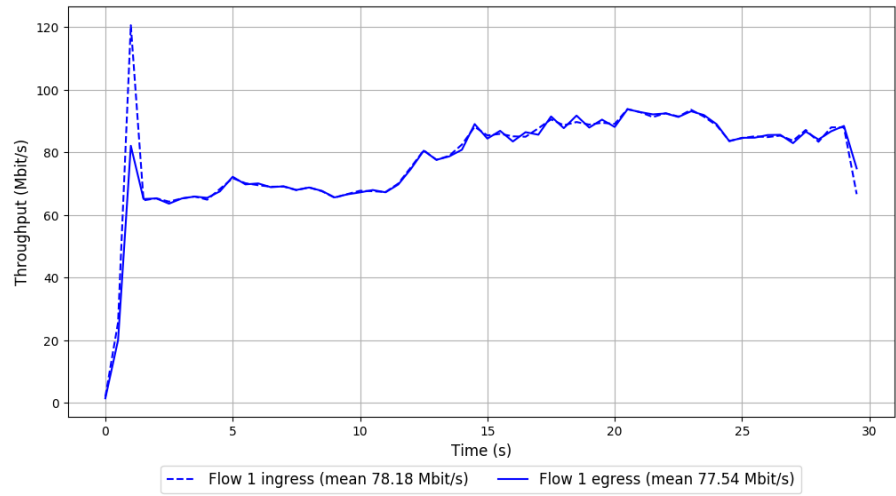


Run 8: Statistics of PCC

Start at: 2018-01-25 11:34:34  
End at: 2018-01-25 11:35:04  
Local clock offset: -0.501 ms  
Remote clock offset: -3.851 ms

# Below is generated by plot.py at 2018-01-25 12:32:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 77.54 Mbit/s  
95th percentile per-packet one-way delay: 55.724 ms  
Loss rate: 0.84%  
-- Flow 1:  
Average throughput: 77.54 Mbit/s  
95th percentile per-packet one-way delay: 55.724 ms  
Loss rate: 0.84%

## Run 8: Report of PCC — Data Link

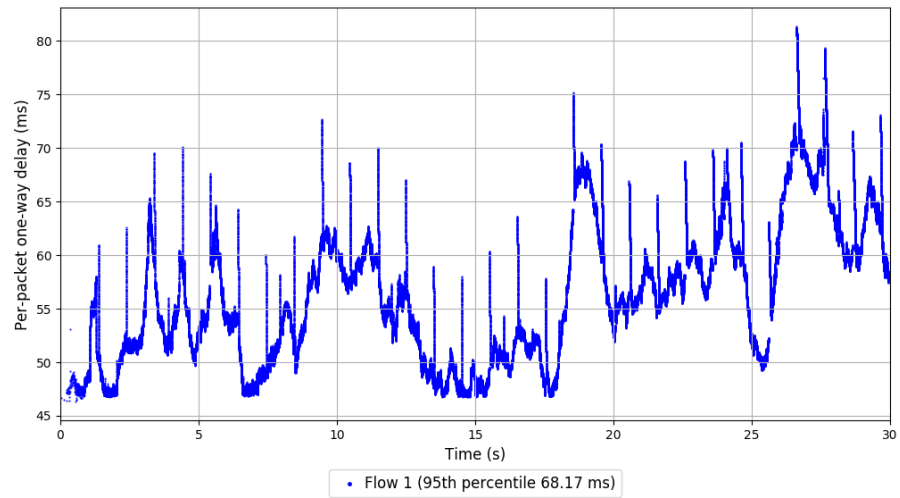
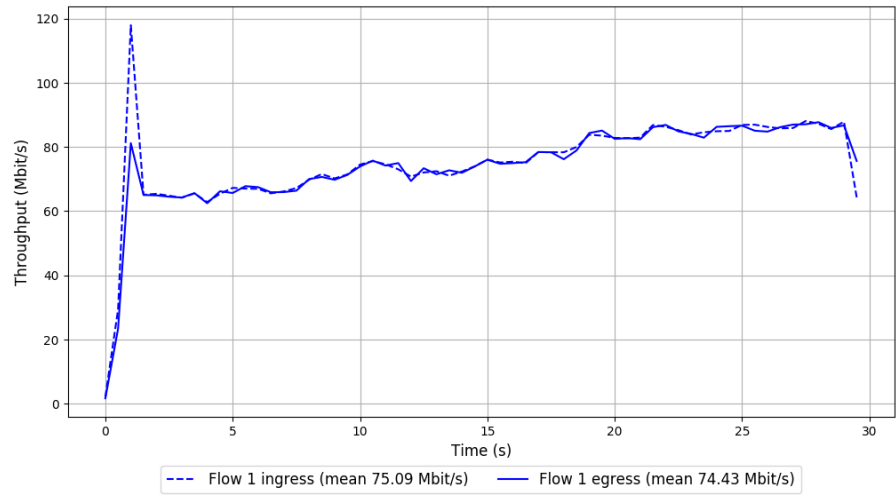


Run 9: Statistics of PCC

Start at: 2018-01-25 11:53:37  
End at: 2018-01-25 11:54:08  
Local clock offset: -0.713 ms  
Remote clock offset: -1.288 ms

# Below is generated by plot.py at 2018-01-25 12:33:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 74.43 Mbit/s  
95th percentile per-packet one-way delay: 68.172 ms  
Loss rate: 0.85%  
-- Flow 1:  
Average throughput: 74.43 Mbit/s  
95th percentile per-packet one-way delay: 68.172 ms  
Loss rate: 0.85%

### Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-01-25 12:12:38

End at: 2018-01-25 12:13:08

Local clock offset: -0.657 ms

Remote clock offset: 0.978 ms

# Below is generated by plot.py at 2018-01-25 12:33:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 72.07 Mbit/s

95th percentile per-packet one-way delay: 54.107 ms

Loss rate: 0.89%

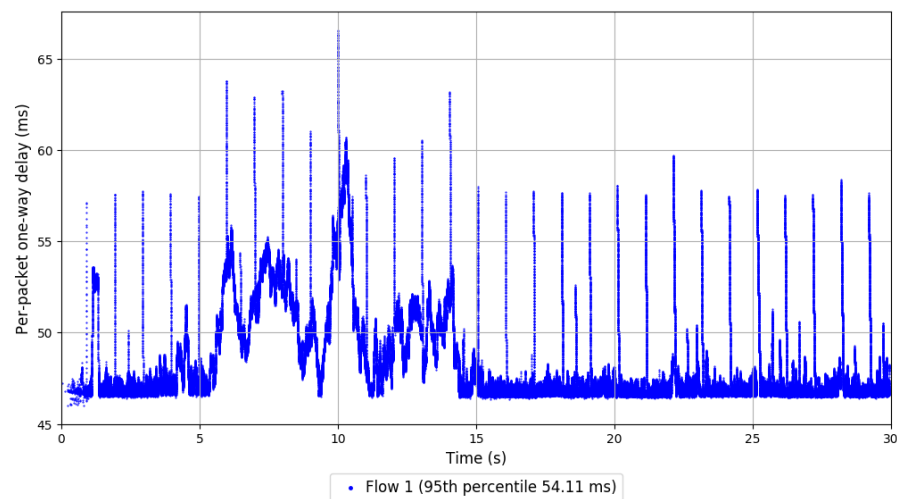
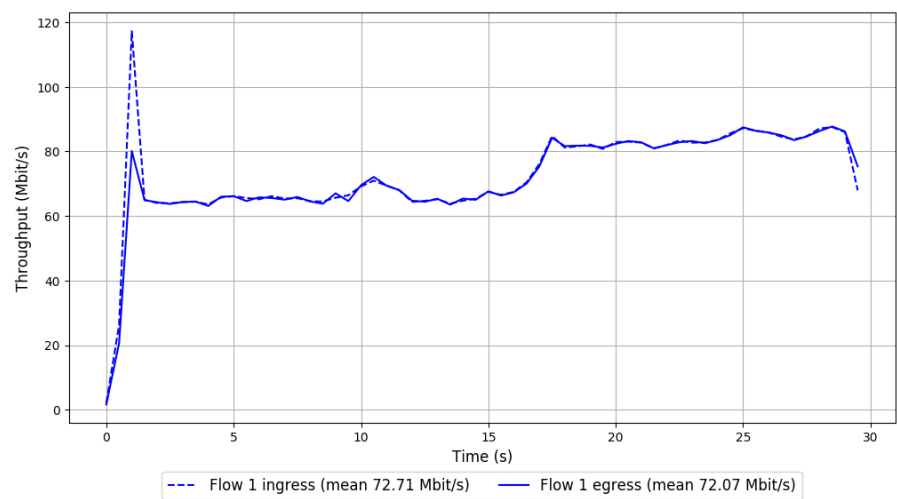
-- Flow 1:

Average throughput: 72.07 Mbit/s

95th percentile per-packet one-way delay: 54.107 ms

Loss rate: 0.89%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-01-25 09:18:34

End at: 2018-01-25 09:19:04

Local clock offset: 0.089 ms

Remote clock offset: -2.126 ms

# Below is generated by plot.py at 2018-01-25 12:33:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 50.59 Mbit/s

95th percentile per-packet one-way delay: 51.890 ms

Loss rate: 0.35%

-- Flow 1:

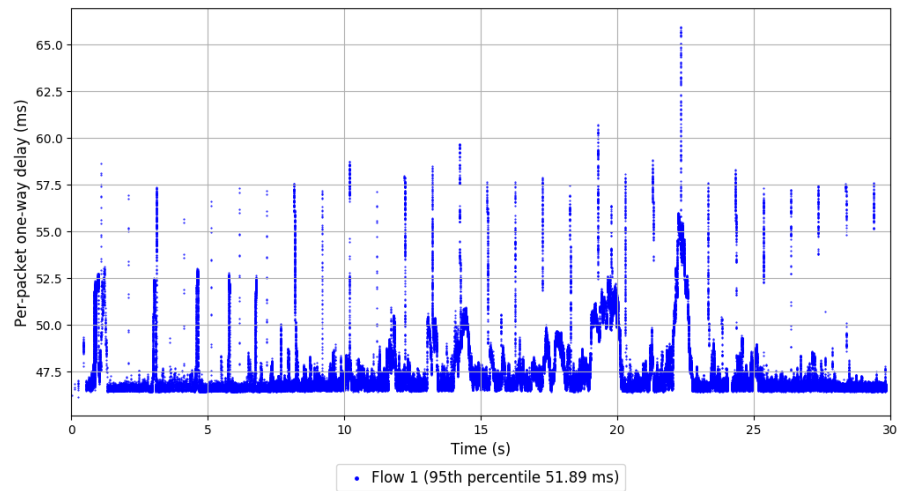
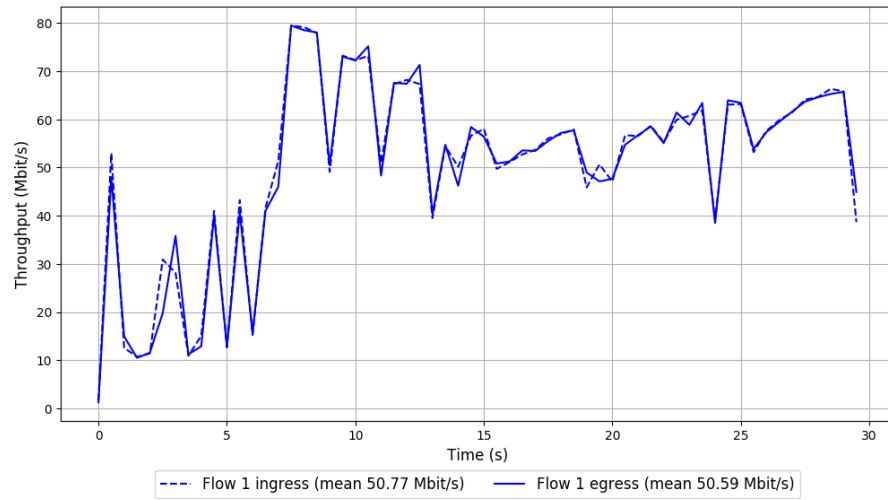
Average throughput: 50.59 Mbit/s

95th percentile per-packet one-way delay: 51.890 ms

Loss rate: 0.35%



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



Run 2: Statistics of QUIC Cubic

Start at: 2018-01-25 09:37:34

End at: 2018-01-25 09:38:04

Local clock offset: -0.065 ms

Remote clock offset: -3.175 ms

# Below is generated by plot.py at 2018-01-25 12:33:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 36.88 Mbit/s

95th percentile per-packet one-way delay: 48.086 ms

Loss rate: 0.22%

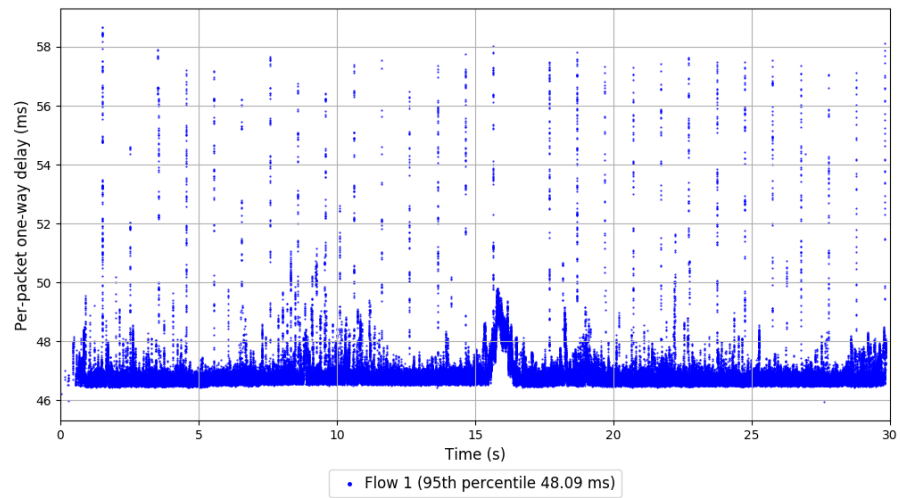
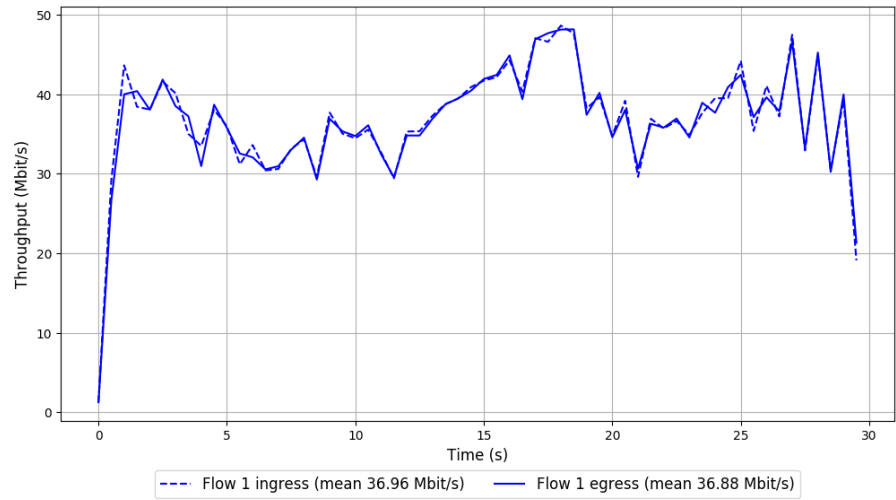
-- Flow 1:

Average throughput: 36.88 Mbit/s

95th percentile per-packet one-way delay: 48.086 ms

Loss rate: 0.22%

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



Run 3: Statistics of QUIC Cubic

Start at: 2018-01-25 09:56:37

End at: 2018-01-25 09:57:07

Local clock offset: -0.44 ms

Remote clock offset: -4.259 ms

# Below is generated by plot.py at 2018-01-25 12:33:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 40.87 Mbit/s

95th percentile per-packet one-way delay: 48.489 ms

Loss rate: 0.37%

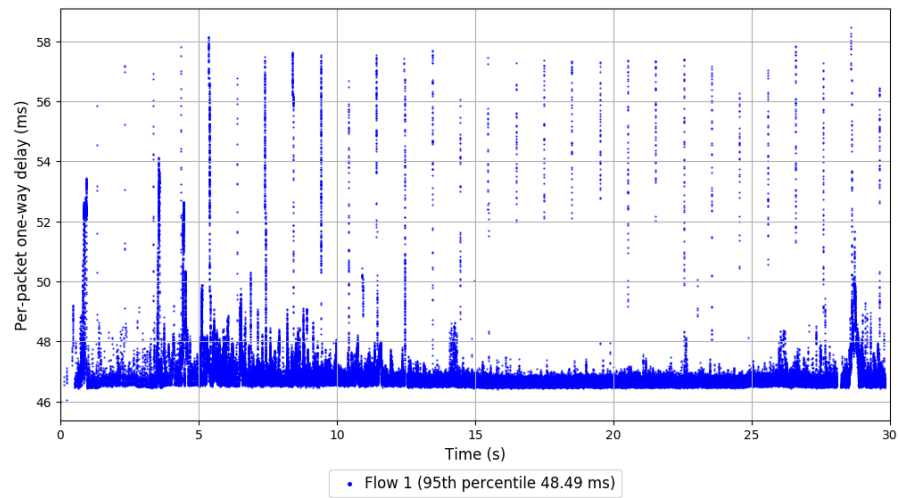
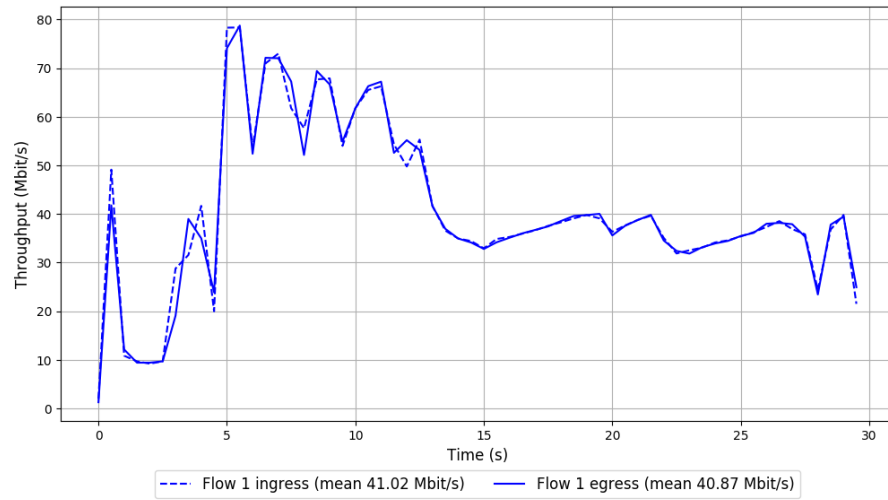
-- Flow 1:

Average throughput: 40.87 Mbit/s

95th percentile per-packet one-way delay: 48.489 ms

Loss rate: 0.37%

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



Run 4: Statistics of QUIC Cubic

Start at: 2018-01-25 10:15:42

End at: 2018-01-25 10:16:12

Local clock offset: -0.692 ms

Remote clock offset: -5.14 ms

# Below is generated by plot.py at 2018-01-25 12:33:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 48.97 Mbit/s

95th percentile per-packet one-way delay: 49.510 ms

Loss rate: 0.58%

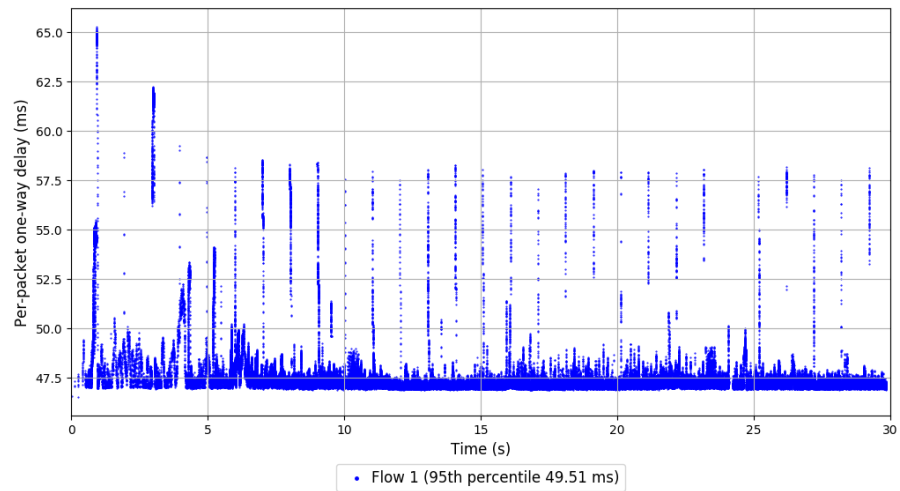
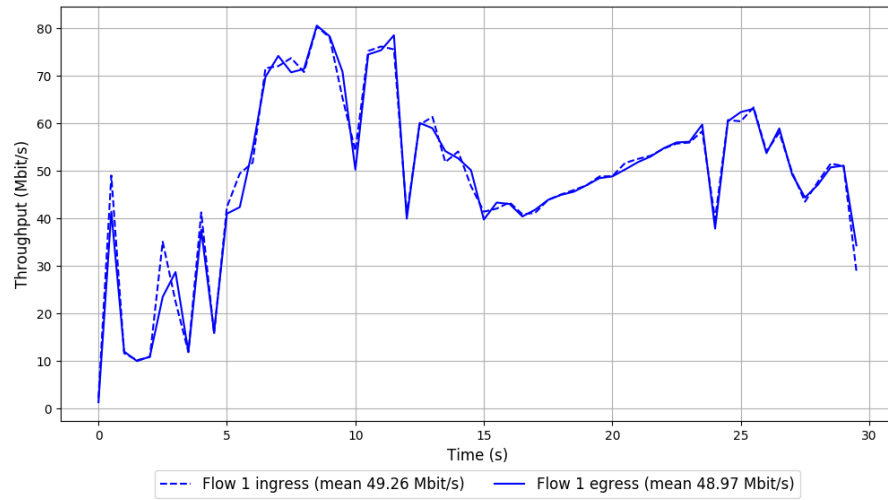
-- Flow 1:

Average throughput: 48.97 Mbit/s

95th percentile per-packet one-way delay: 49.510 ms

Loss rate: 0.58%

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



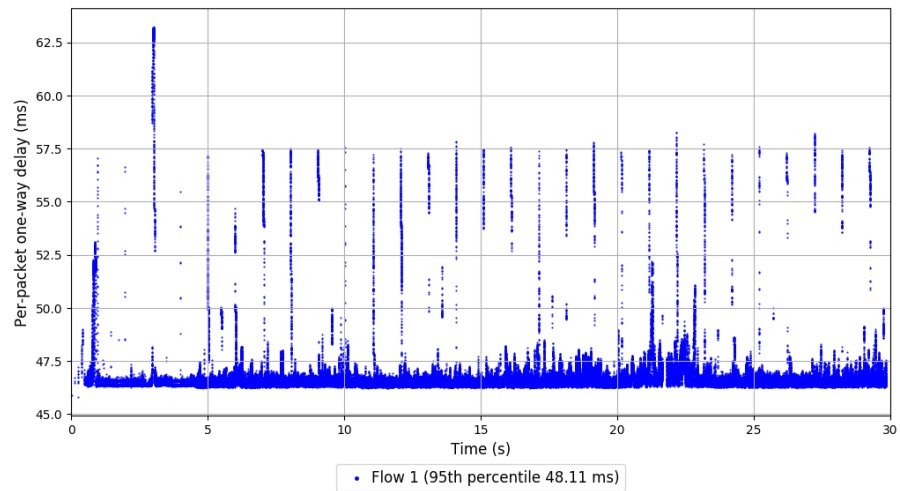
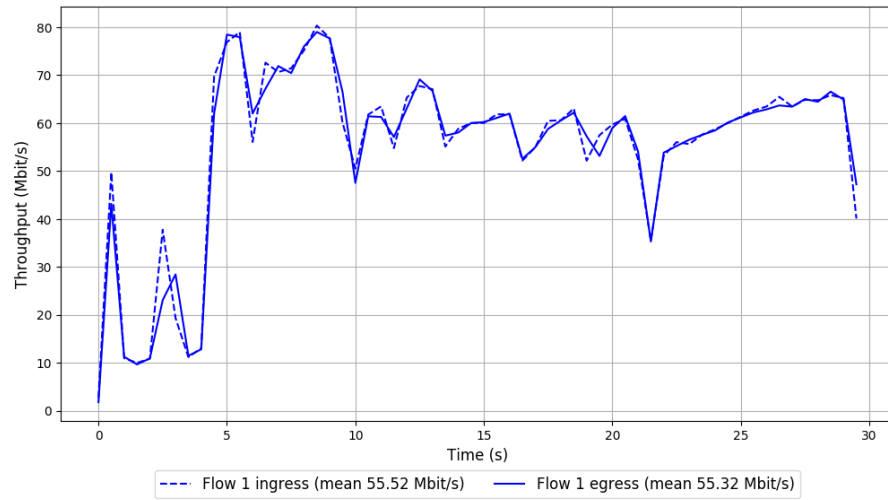
Run 5: Statistics of QUIC Cubic

Start at: 2018-01-25 10:34:45  
End at: 2018-01-25 10:35:15  
Local clock offset: -0.365 ms  
Remote clock offset: -5.677 ms

# Below is generated by plot.py at 2018-01-25 12:33:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 55.32 Mbit/s  
95th percentile per-packet one-way delay: 48.112 ms  
Loss rate: 0.37%  
-- Flow 1:  
Average throughput: 55.32 Mbit/s  
95th percentile per-packet one-way delay: 48.112 ms  
Loss rate: 0.37%



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



Run 6: Statistics of QUIC Cubic

Start at: 2018-01-25 10:54:06

End at: 2018-01-25 10:54:36

Local clock offset: -0.43 ms

Remote clock offset: -5.978 ms

# Below is generated by plot.py at 2018-01-25 12:33:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 50.47 Mbit/s

95th percentile per-packet one-way delay: 48.752 ms

Loss rate: 0.49%

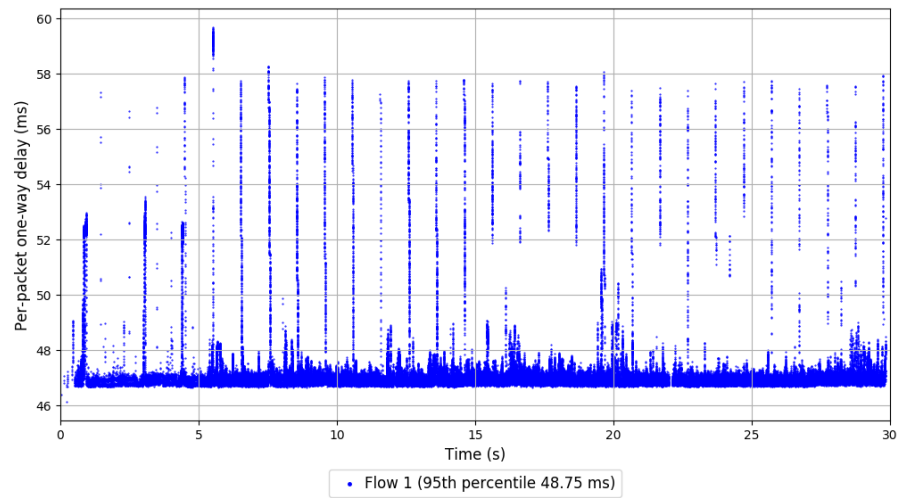
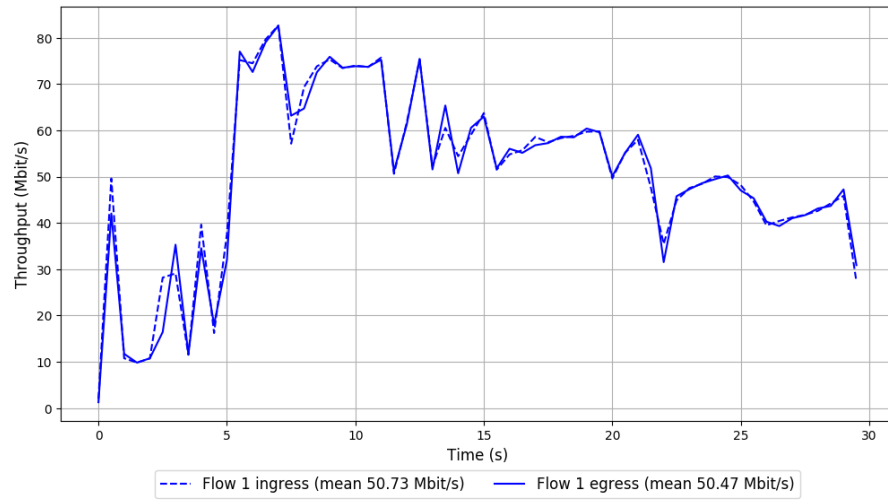
-- Flow 1:

Average throughput: 50.47 Mbit/s

95th percentile per-packet one-way delay: 48.752 ms

Loss rate: 0.49%

## Run 6: Report of QUIC Cubic — Data Link

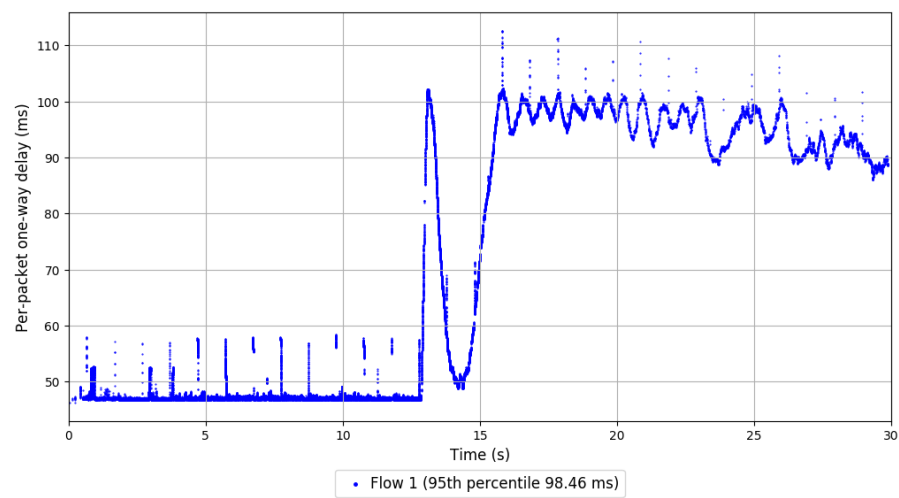
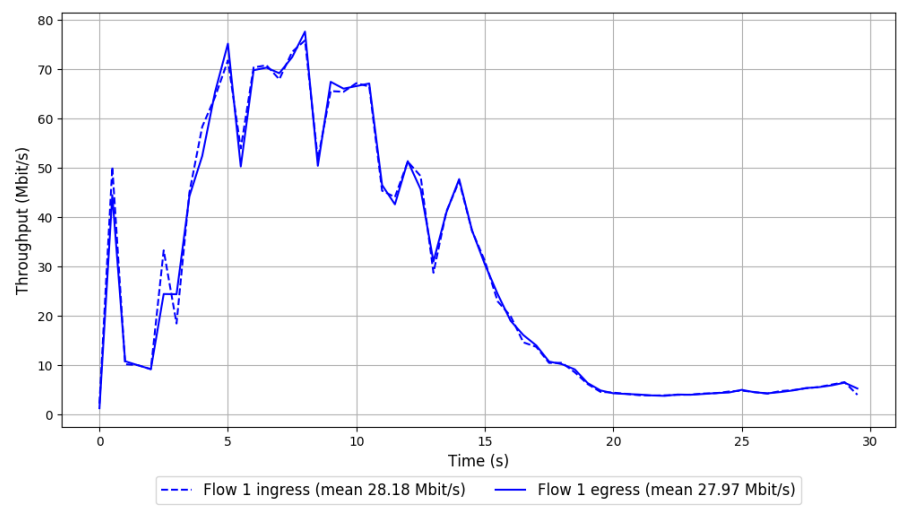


Run 7: Statistics of QUIC Cubic

Start at: 2018-01-25 11:13:10  
End at: 2018-01-25 11:13:40  
Local clock offset: -0.813 ms  
Remote clock offset: -5.116 ms

# Below is generated by plot.py at 2018-01-25 12:33:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 27.97 Mbit/s  
95th percentile per-packet one-way delay: 98.459 ms  
Loss rate: 0.59%  
-- Flow 1:  
Average throughput: 27.97 Mbit/s  
95th percentile per-packet one-way delay: 98.459 ms  
Loss rate: 0.59%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-01-25 11:32:14

End at: 2018-01-25 11:32:44

Local clock offset: -0.248 ms

Remote clock offset: -3.939 ms

# Below is generated by plot.py at 2018-01-25 12:33:52

# Datalink statistics

-- Total of 1 flow:

Average throughput: 43.63 Mbit/s

95th percentile per-packet one-way delay: 47.591 ms

Loss rate: 0.38%

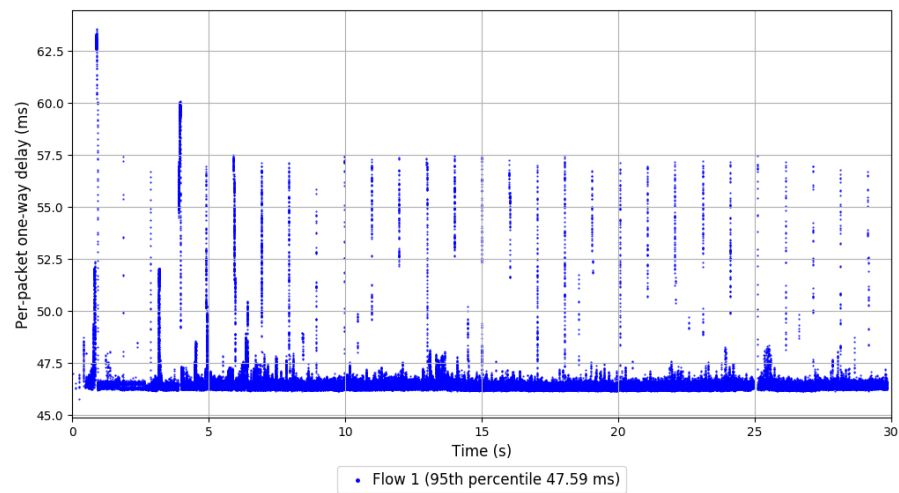
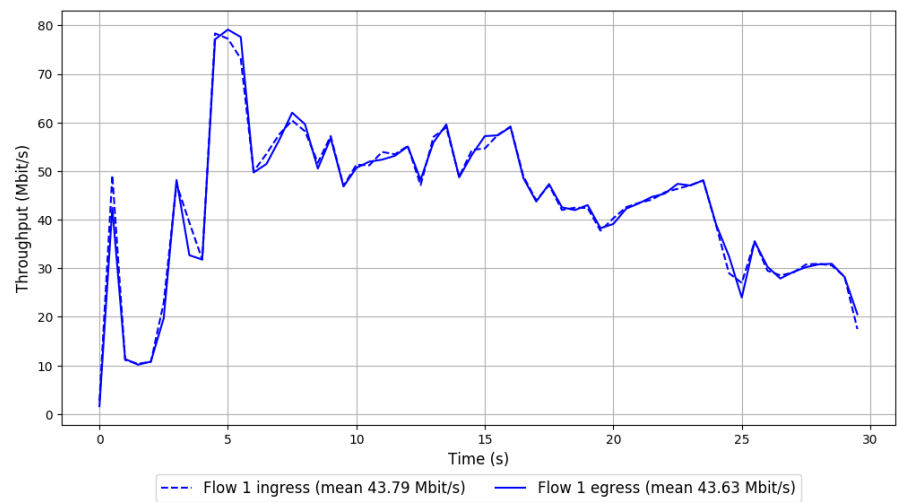
-- Flow 1:

Average throughput: 43.63 Mbit/s

95th percentile per-packet one-way delay: 47.591 ms

Loss rate: 0.38%

Run 8: Report of QUIC Cubic — Data Link



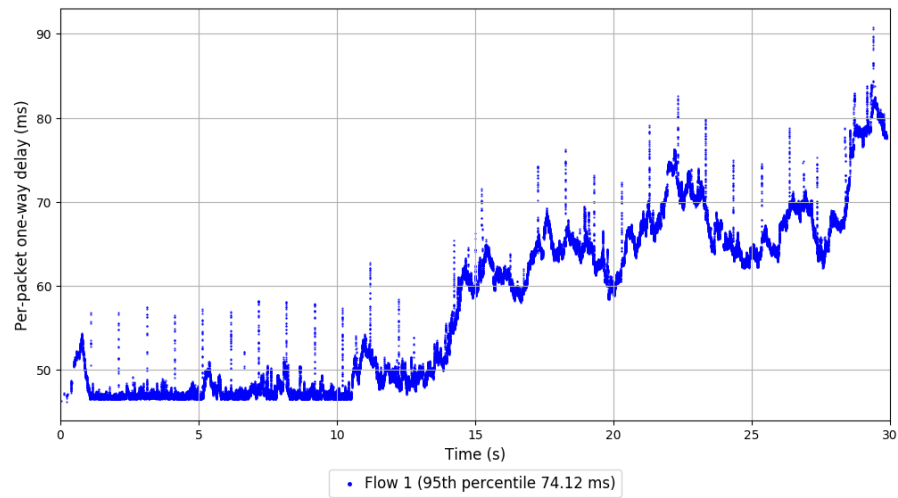
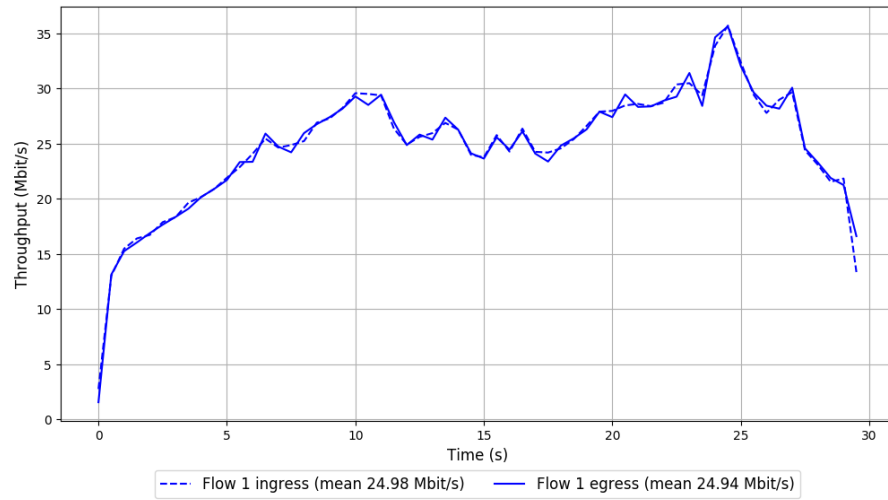
Run 9: Statistics of QUIC Cubic

Start at: 2018-01-25 11:51:17  
End at: 2018-01-25 11:51:47  
Local clock offset: -0.51 ms  
Remote clock offset: -1.588 ms

# Below is generated by plot.py at 2018-01-25 12:33:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.94 Mbit/s  
95th percentile per-packet one-way delay: 74.117 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 24.94 Mbit/s  
95th percentile per-packet one-way delay: 74.117 ms  
Loss rate: 0.04%



### Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

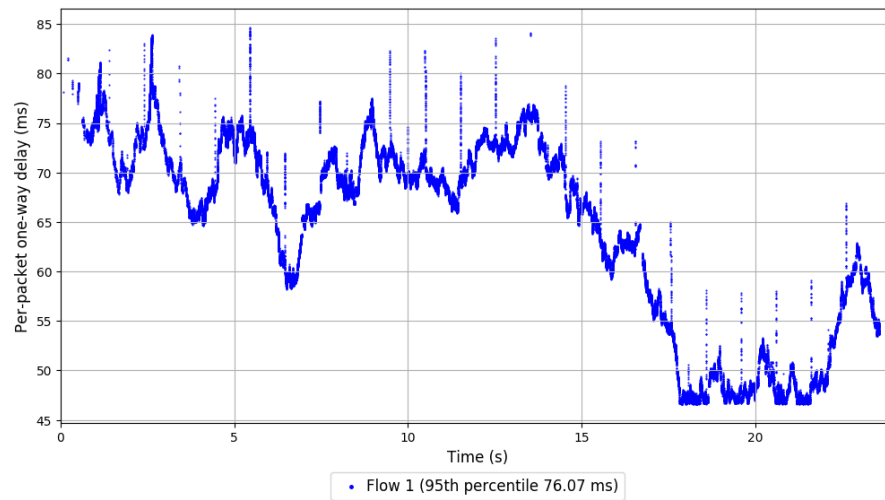
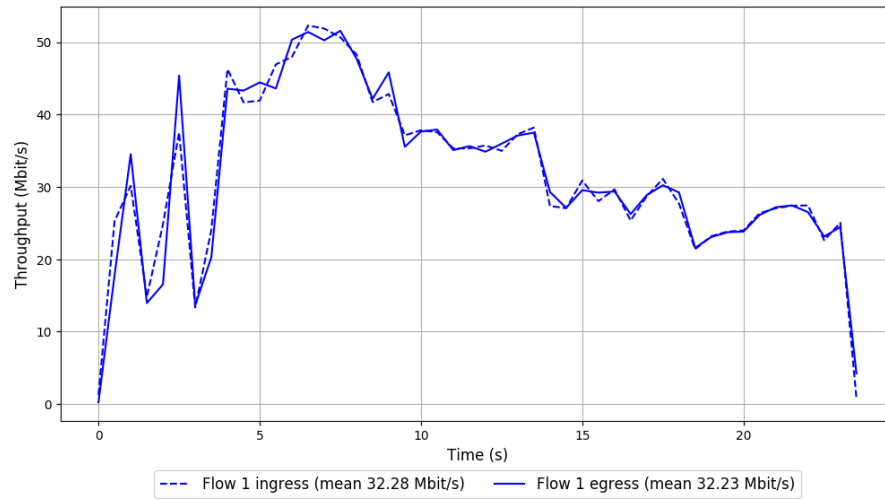
Start at: 2018-01-25 12:10:19

End at: 2018-01-25 12:10:49

Local clock offset: -0.815 ms

Remote clock offset: 0.724 ms

# Run 10: Report of QUIC Cubic — Data Link

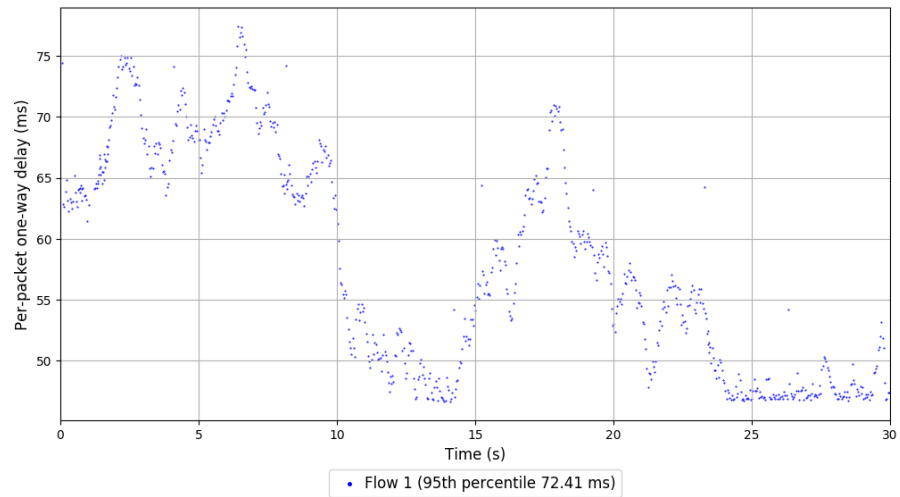
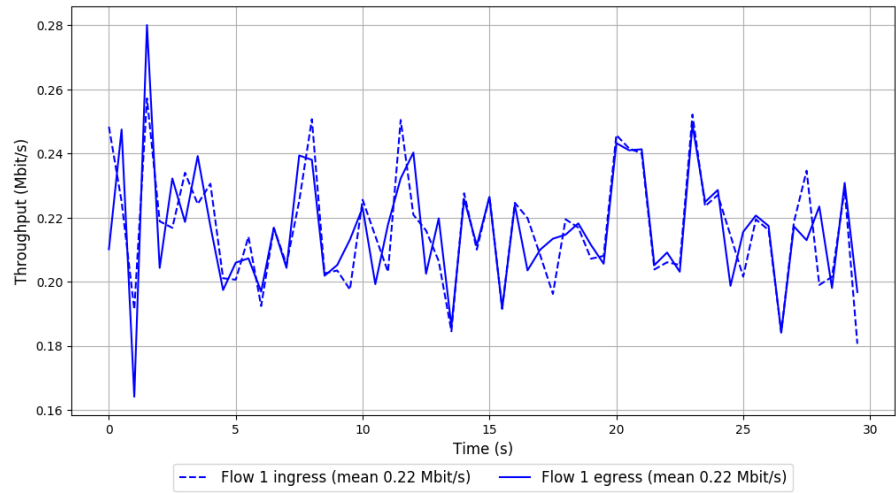


Run 1: Statistics of SCReAM

Start at: 2018-01-25 09:02:18  
End at: 2018-01-25 09:02:48  
Local clock offset: -0.02 ms  
Remote clock offset: -1.451 ms

# Below is generated by plot.py at 2018-01-25 12:33:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 72.412 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 72.412 ms  
Loss rate: 0.00%

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

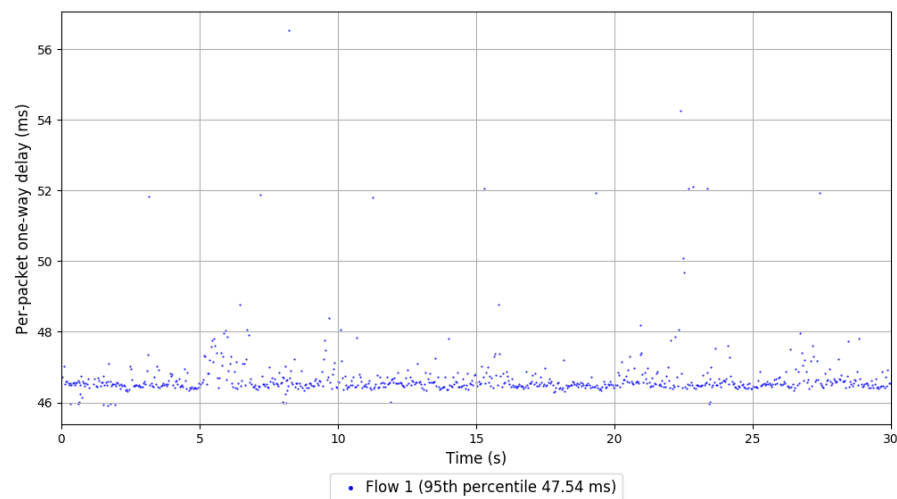
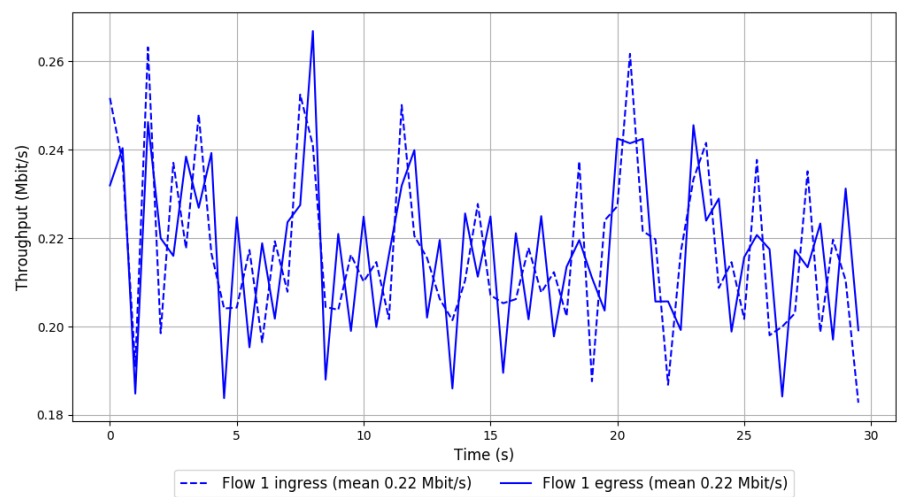


Run 2: Statistics of SCReAM

Start at: 2018-01-25 09:22:06  
End at: 2018-01-25 09:22:36  
Local clock offset: -0.076 ms  
Remote clock offset: -2.268 ms

# Below is generated by plot.py at 2018-01-25 12:33:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 47.537 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 47.537 ms  
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



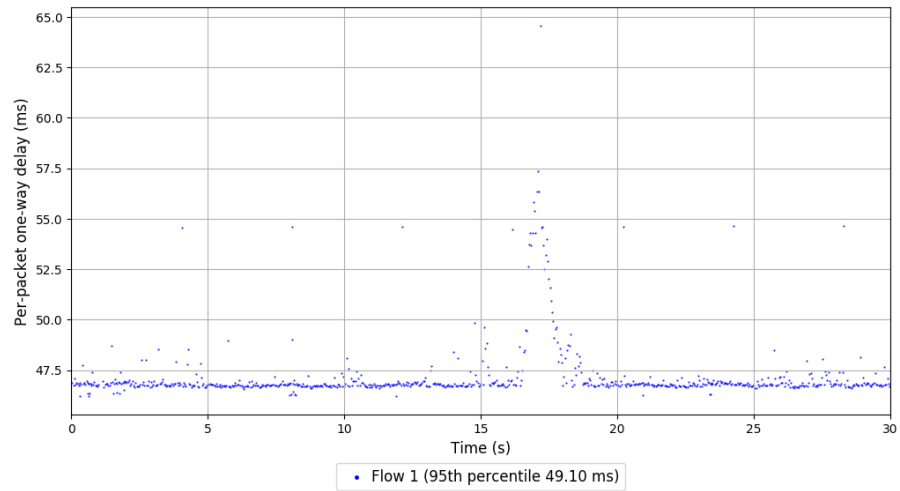
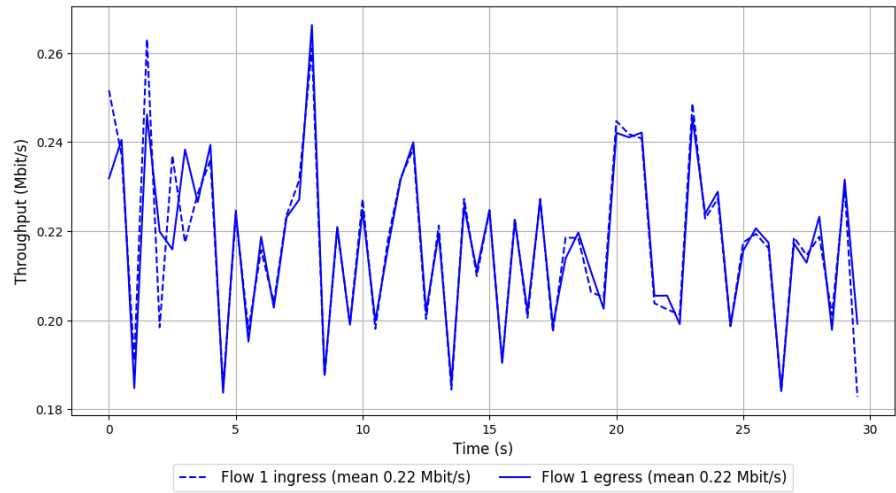
Run 3: Statistics of SCReAM

Start at: 2018-01-25 09:41:06  
End at: 2018-01-25 09:41:36  
Local clock offset: -0.182 ms  
Remote clock offset: -3.388 ms

# Below is generated by plot.py at 2018-01-25 12:33:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 49.098 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 49.098 ms  
Loss rate: 0.00%



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



Run 4: Statistics of SCReAM

Start at: 2018-01-25 10:00:09

End at: 2018-01-25 10:00:39

Local clock offset: -0.171 ms

Remote clock offset: -4.41 ms

# Below is generated by plot.py at 2018-01-25 12:33:52

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 47.123 ms

Loss rate: 0.00%

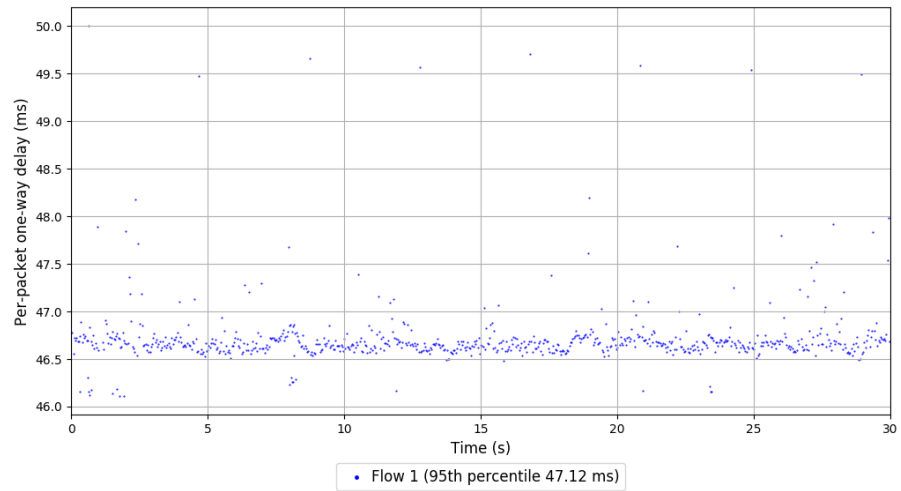
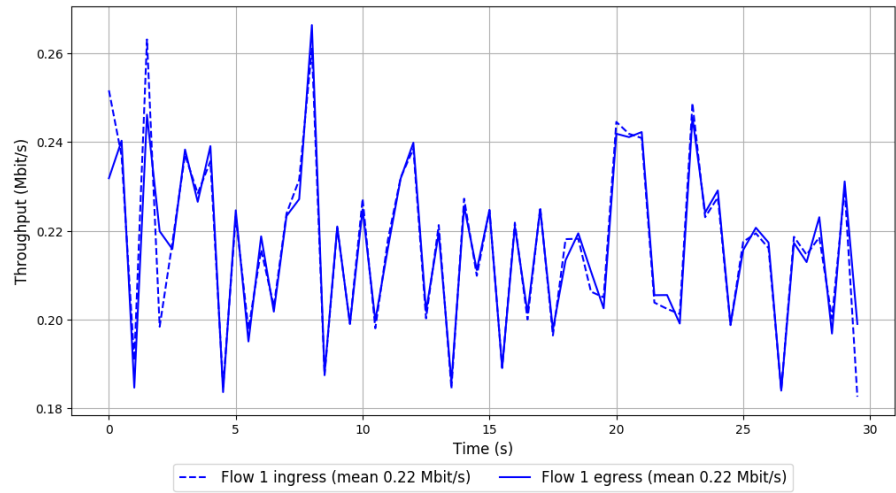
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 47.123 ms

Loss rate: 0.00%

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

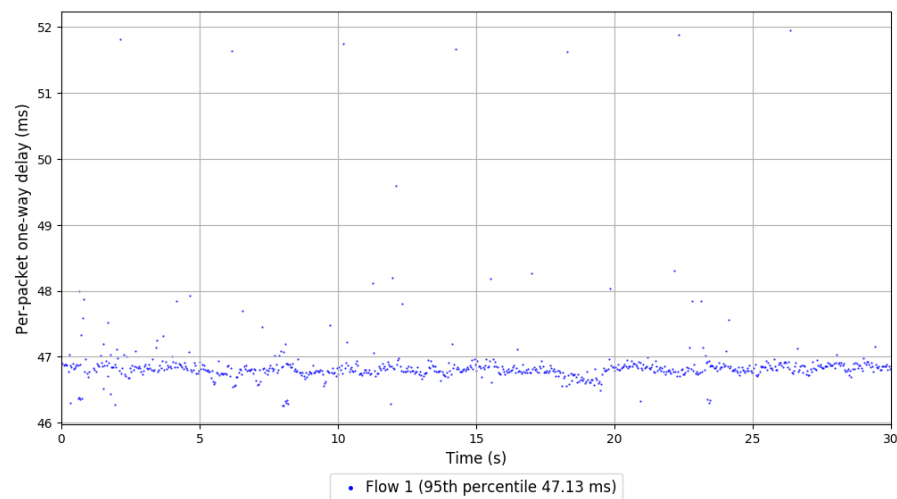
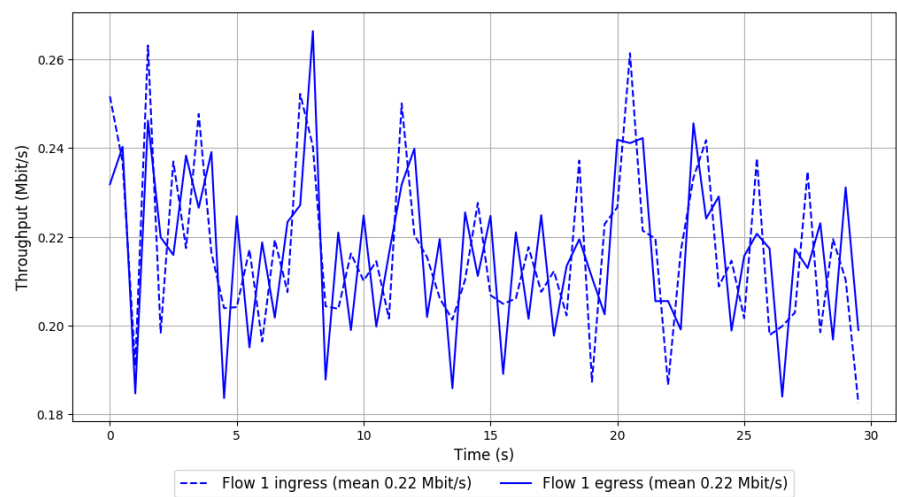


Run 5: Statistics of SCReAM

Start at: 2018-01-25 10:19:14  
End at: 2018-01-25 10:19:44  
Local clock offset: -0.713 ms  
Remote clock offset: -5.319 ms

# Below is generated by plot.py at 2018-01-25 12:33:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 47.128 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 47.128 ms  
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

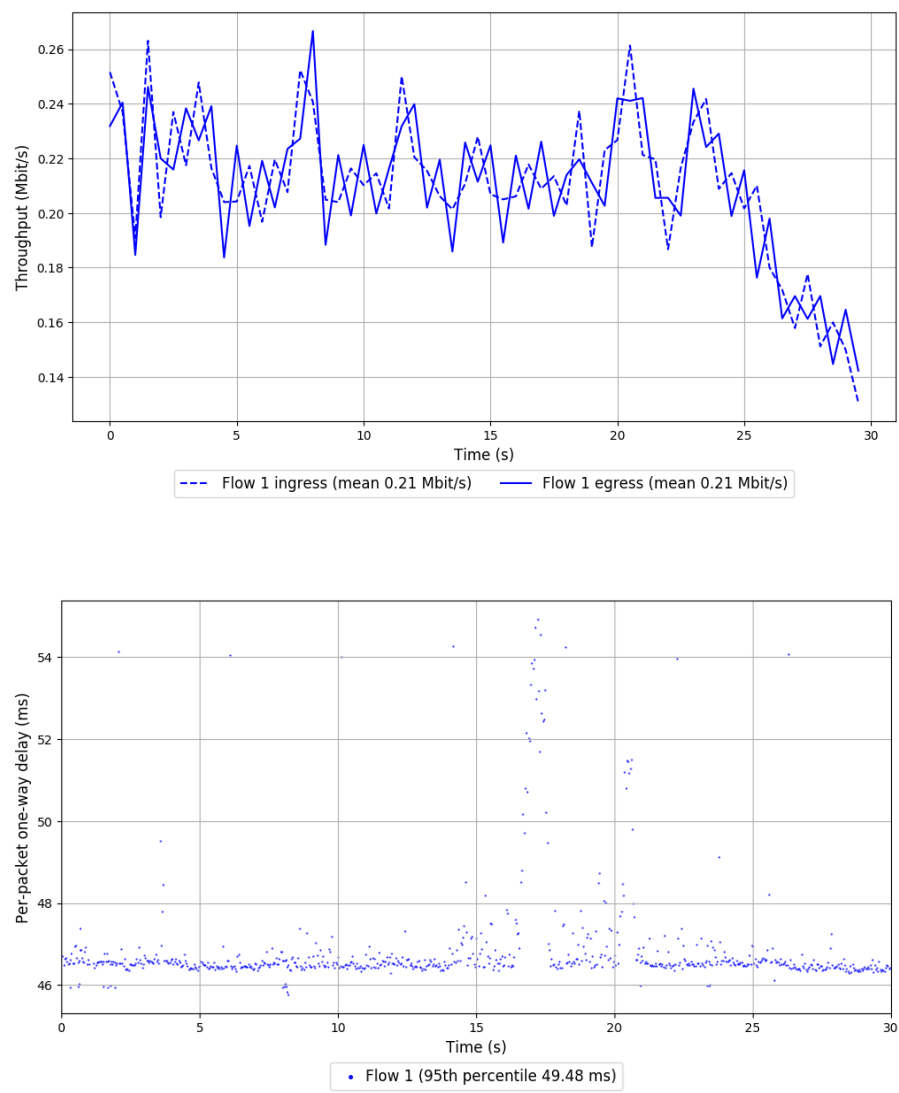


Run 6: Statistics of SCReAM

Start at: 2018-01-25 10:38:17  
End at: 2018-01-25 10:38:47  
Local clock offset: -0.393 ms  
Remote clock offset: -5.719 ms

# Below is generated by plot.py at 2018-01-25 12:33:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 49.479 ms  
Loss rate: 0.16%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 49.479 ms  
Loss rate: 0.16%

Run 6: Report of SReAM — Data Link



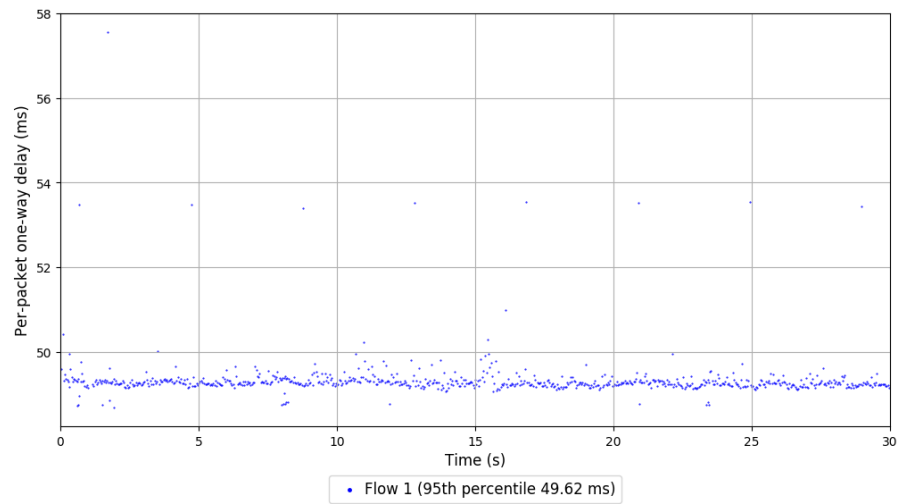
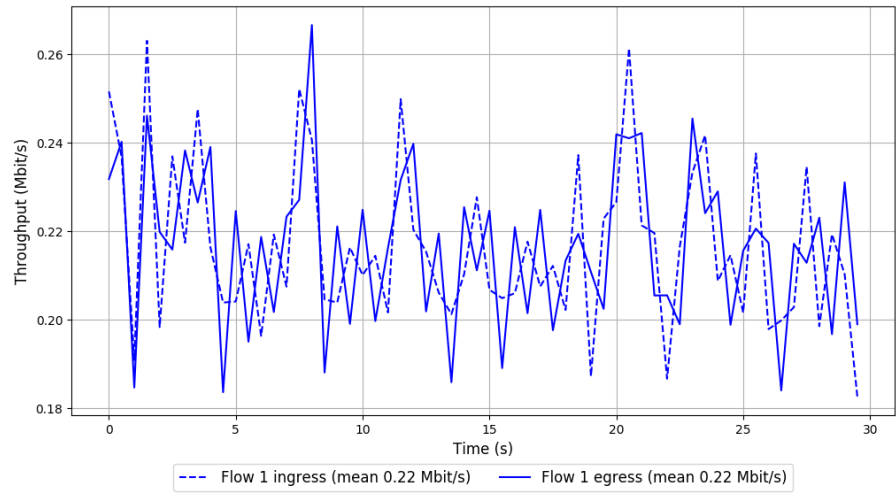
Run 7: Statistics of SCReAM

Start at: 2018-01-25 10:57:38  
End at: 2018-01-25 10:58:08  
Local clock offset: -3.098 ms  
Remote clock offset: -6.095 ms

# Below is generated by plot.py at 2018-01-25 12:33:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 49.624 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 49.624 ms  
Loss rate: 0.00%



## Run 7: Report of SReAM — Data Link

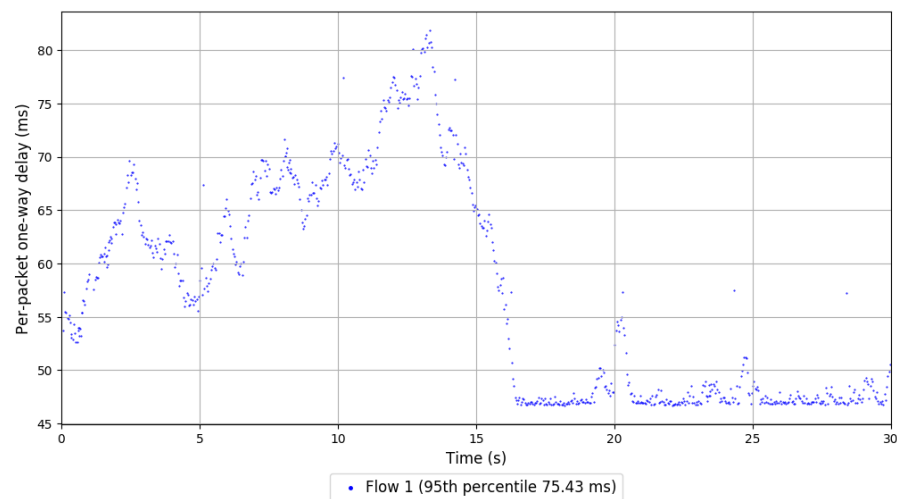
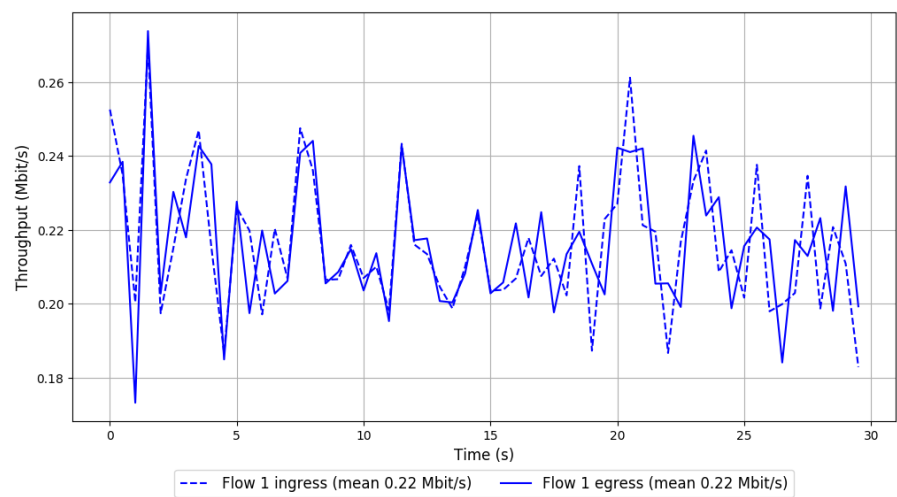


Run 8: Statistics of SCReAM

Start at: 2018-01-25 11:16:43  
End at: 2018-01-25 11:17:13  
Local clock offset: -0.651 ms  
Remote clock offset: -4.831 ms

# Below is generated by plot.py at 2018-01-25 12:33:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 75.428 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 75.428 ms  
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

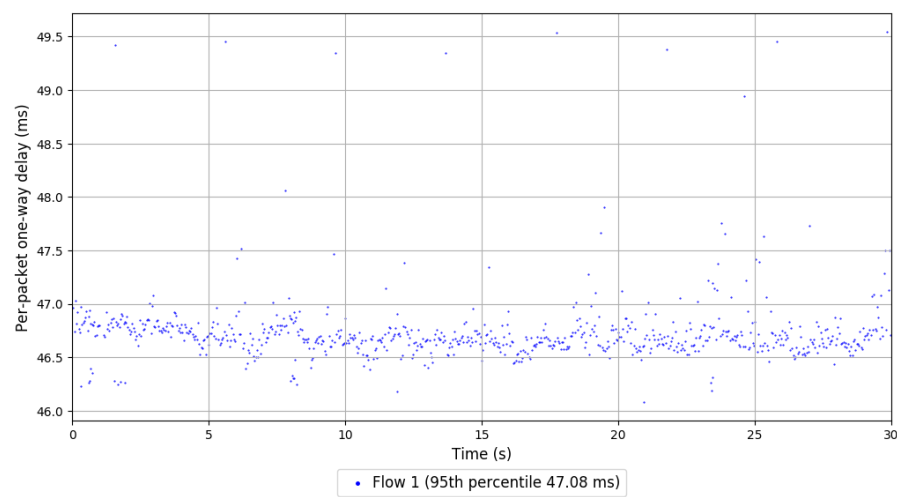
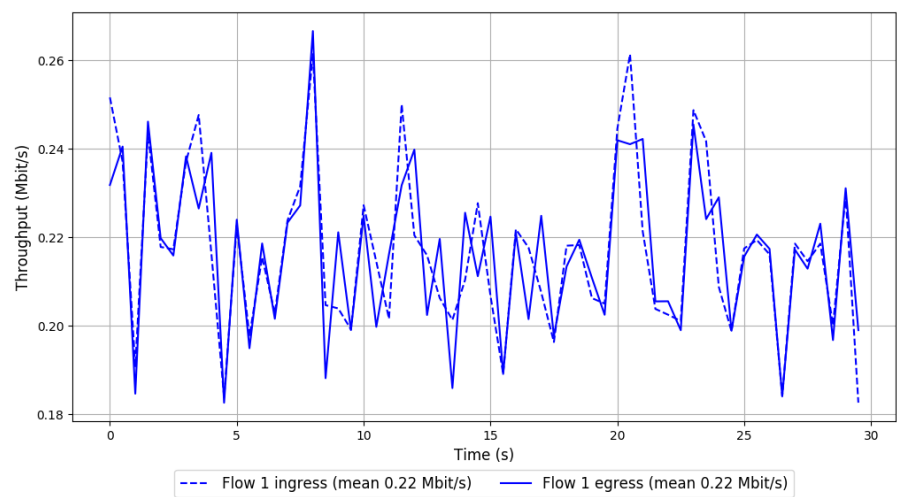


Run 9: Statistics of SCReAM

Start at: 2018-01-25 11:35:46  
End at: 2018-01-25 11:36:16  
Local clock offset: -0.376 ms  
Remote clock offset: -3.689 ms

# Below is generated by plot.py at 2018-01-25 12:33:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 47.082 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 47.082 ms  
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

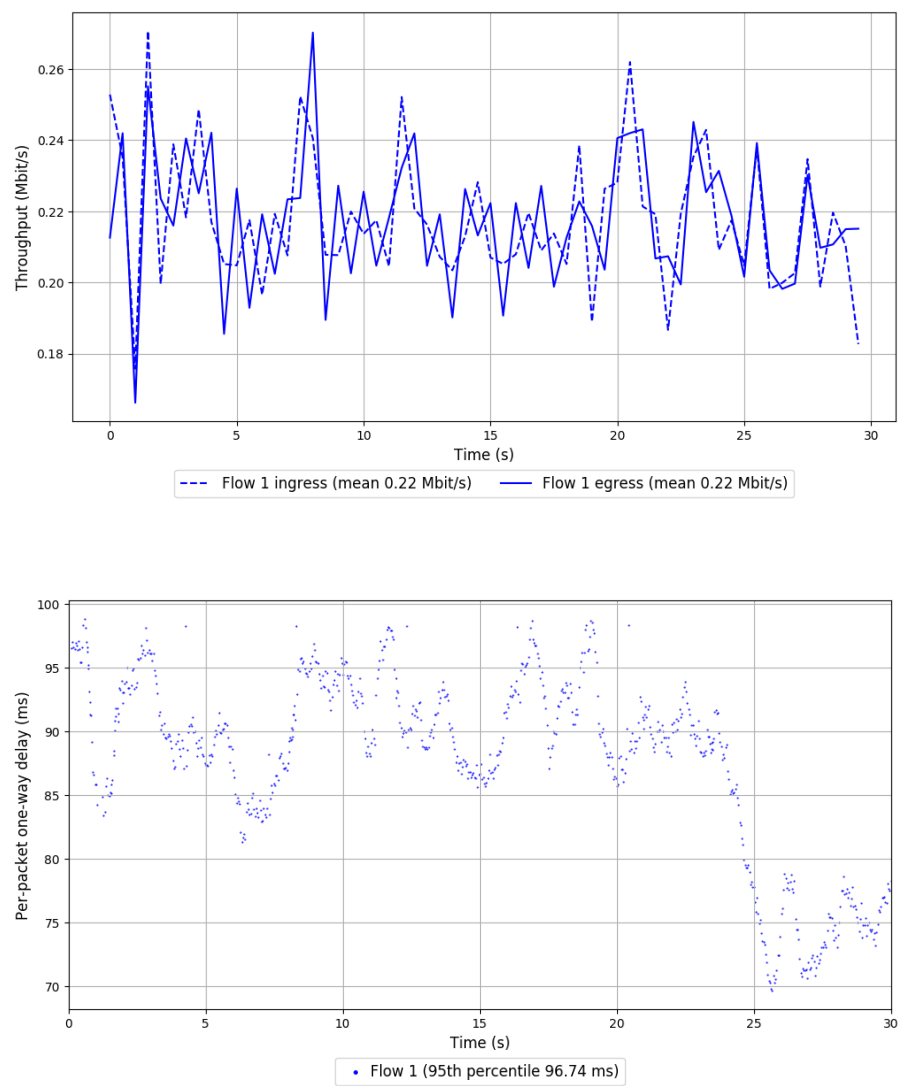


Run 10: Statistics of SCReAM

Start at: 2018-01-25 11:54:49  
End at: 2018-01-25 11:55:19  
Local clock offset: -0.317 ms  
Remote clock offset: -1.096 ms

# Below is generated by plot.py at 2018-01-25 12:33:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 96.744 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 96.744 ms  
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



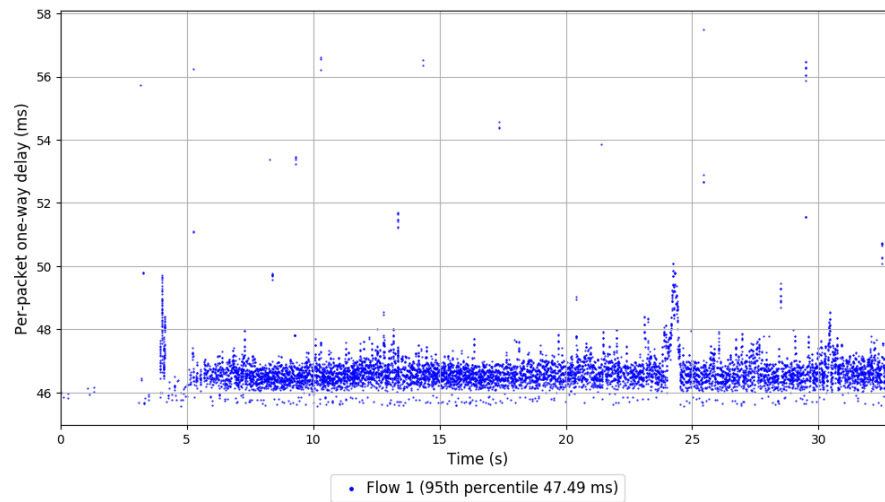
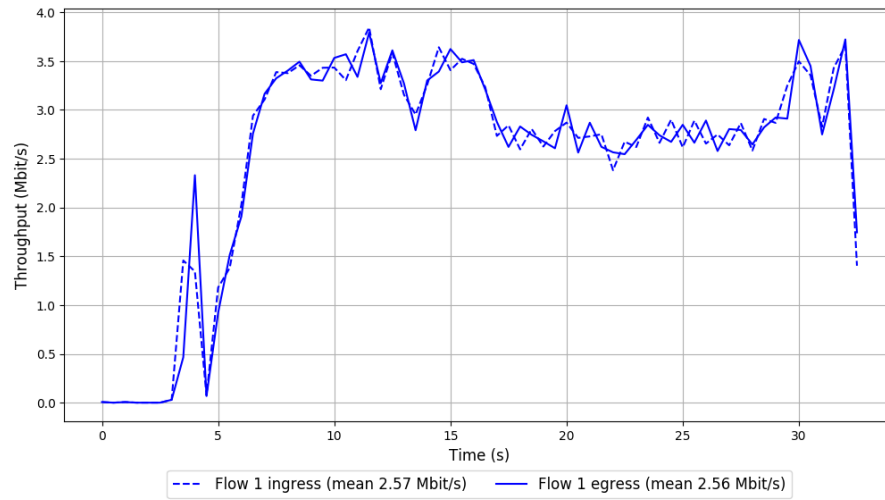
Run 1: Statistics of WebRTC media

Start at: 2018-01-25 09:03:30  
End at: 2018-01-25 09:04:00  
Local clock offset: 0.218 ms  
Remote clock offset: -1.477 ms

# Below is generated by plot.py at 2018-01-25 12:33:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.56 Mbit/s  
95th percentile per-packet one-way delay: 47.491 ms  
Loss rate: 0.17%  
-- Flow 1:  
Average throughput: 2.56 Mbit/s  
95th percentile per-packet one-way delay: 47.491 ms  
Loss rate: 0.17%



# Run 1: Report of WebRTC media — Data Link

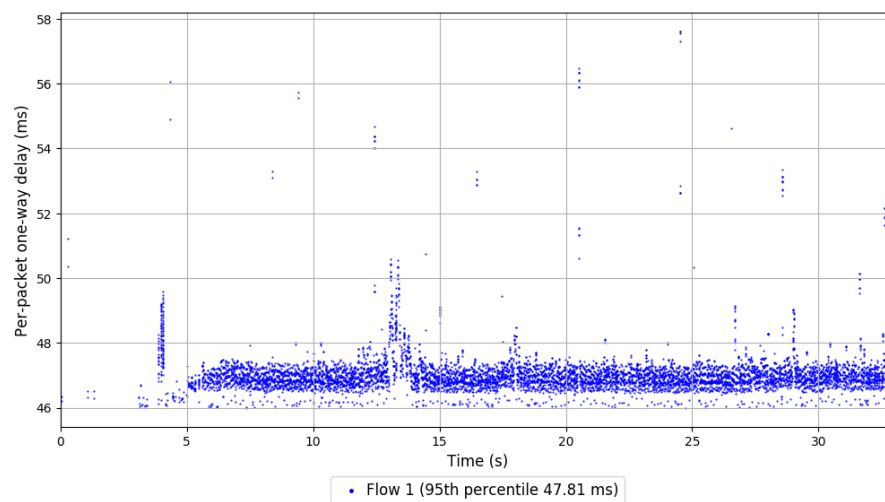
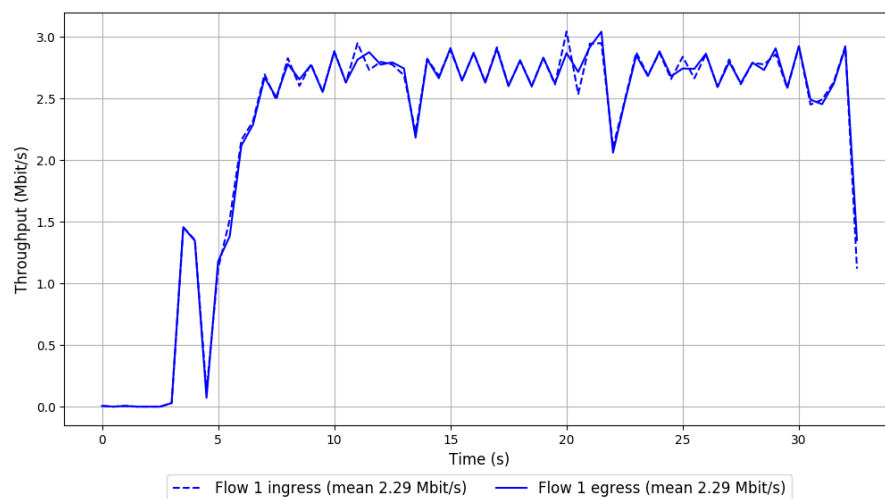


Run 2: Statistics of WebRTC media

Start at: 2018-01-25 09:23:14  
End at: 2018-01-25 09:23:44  
Local clock offset: -0.07 ms  
Remote clock offset: -2.332 ms

# Below is generated by plot.py at 2018-01-25 12:33:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.29 Mbit/s  
95th percentile per-packet one-way delay: 47.809 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 2.29 Mbit/s  
95th percentile per-packet one-way delay: 47.809 ms  
Loss rate: 0.01%

## Run 2: Report of WebRTC media — Data Link

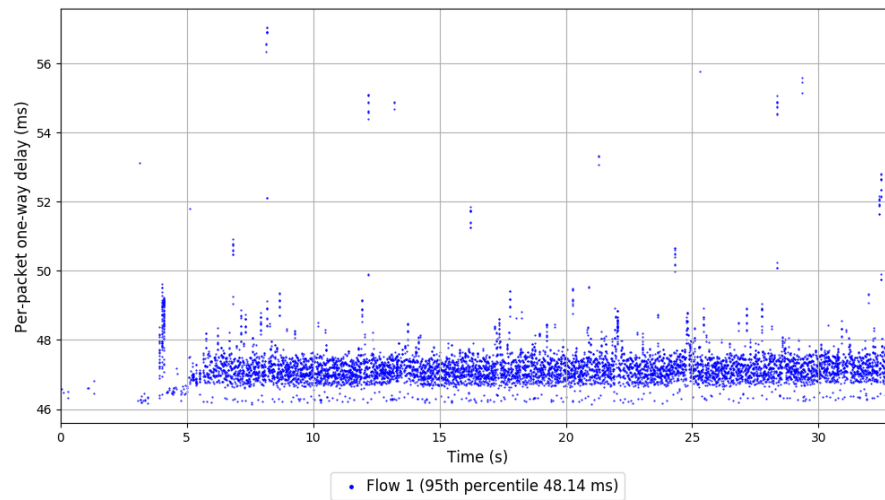
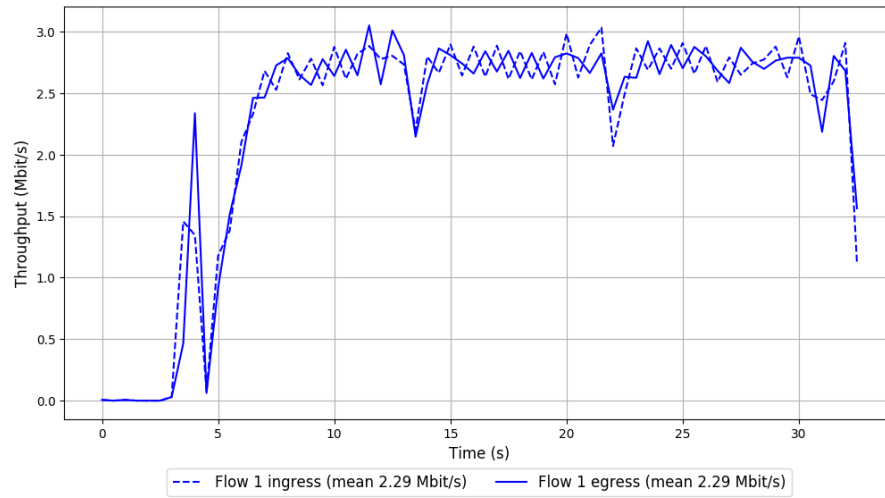


Run 3: Statistics of WebRTC media

Start at: 2018-01-25 09:42:14  
End at: 2018-01-25 09:42:45  
Local clock offset: -0.62 ms  
Remote clock offset: -3.493 ms

# Below is generated by plot.py at 2018-01-25 12:33:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.29 Mbit/s  
95th percentile per-packet one-way delay: 48.143 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.29 Mbit/s  
95th percentile per-packet one-way delay: 48.143 ms  
Loss rate: 0.00%

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

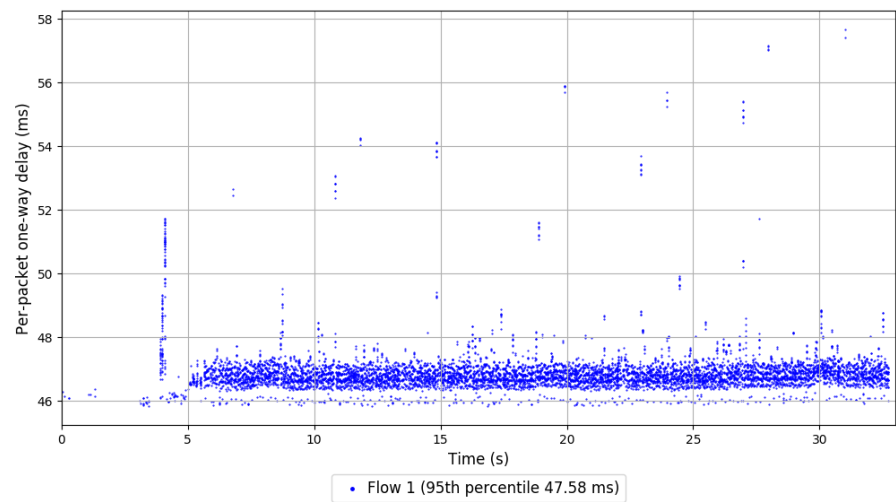
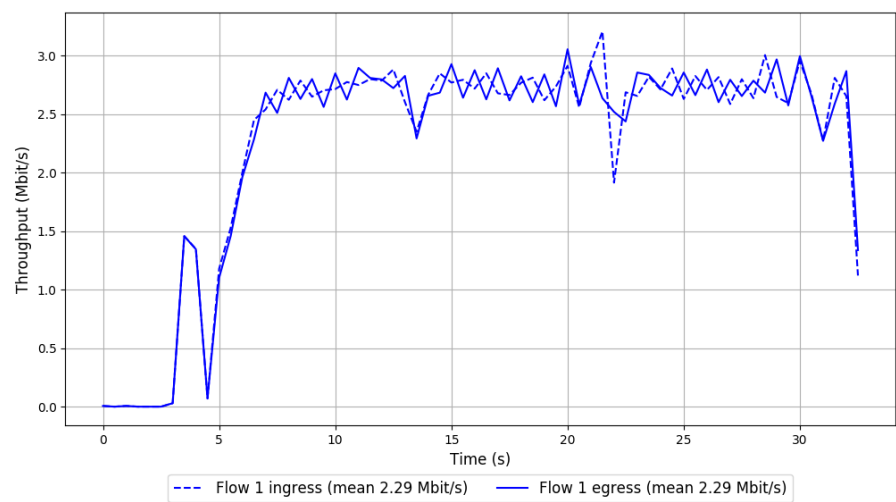


Run 4: Statistics of WebRTC media

Start at: 2018-01-25 10:01:17  
End at: 2018-01-25 10:01:47  
Local clock offset: -0.42 ms  
Remote clock offset: -4.484 ms

# Below is generated by plot.py at 2018-01-25 12:33:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.29 Mbit/s  
95th percentile per-packet one-way delay: 47.575 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 2.29 Mbit/s  
95th percentile per-packet one-way delay: 47.575 ms  
Loss rate: 0.01%

Run 4: Report of WebRTC media — Data Link



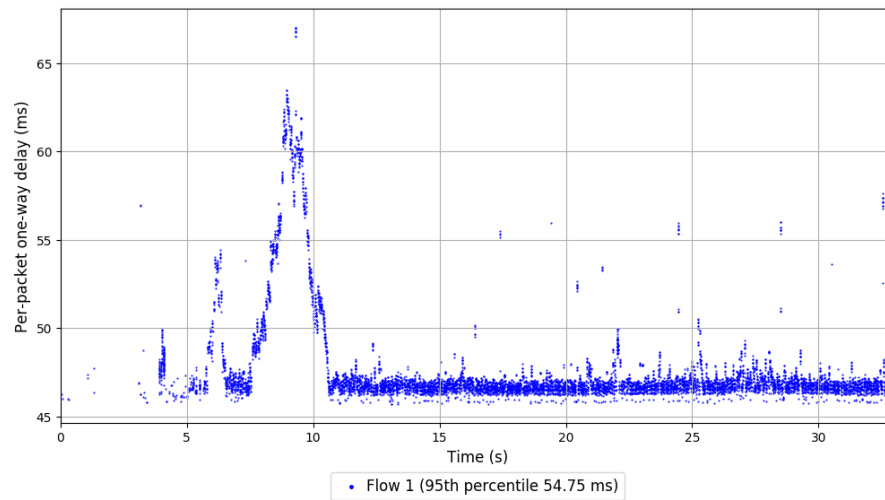
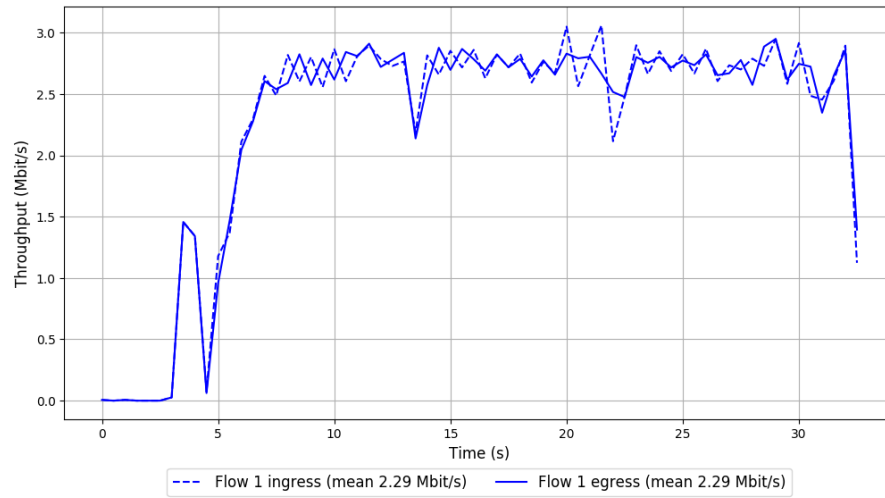
Run 5: Statistics of WebRTC media

Start at: 2018-01-25 10:20:22  
End at: 2018-01-25 10:20:52  
Local clock offset: -0.328 ms  
Remote clock offset: -5.351 ms

# Below is generated by plot.py at 2018-01-25 12:33:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.29 Mbit/s  
95th percentile per-packet one-way delay: 54.751 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 2.29 Mbit/s  
95th percentile per-packet one-way delay: 54.751 ms  
Loss rate: 0.01%



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

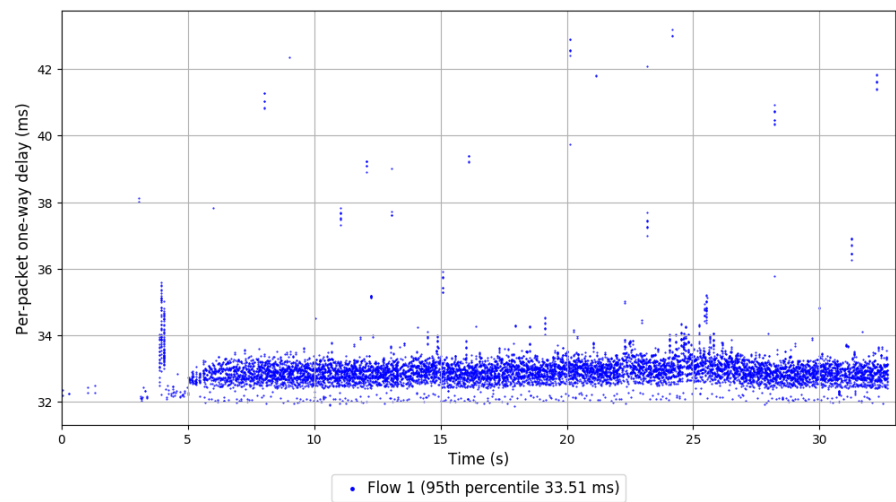
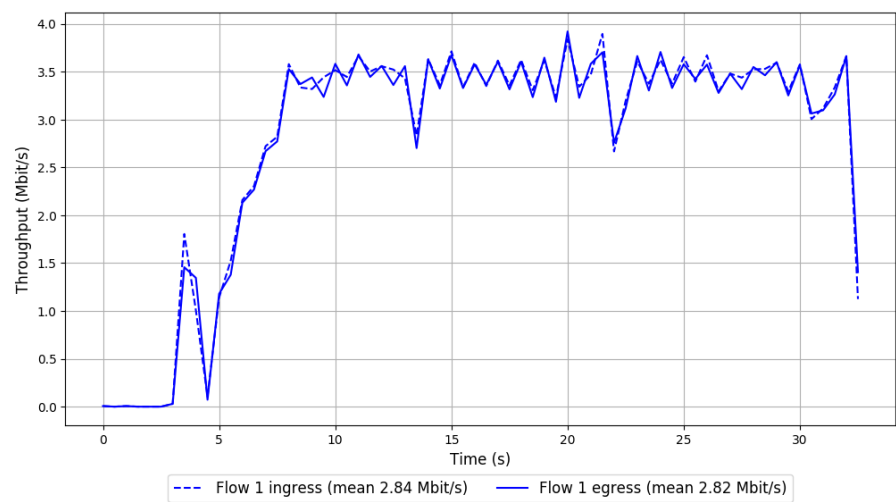


Run 6: Statistics of WebRTC media

Start at: 2018-01-25 10:39:26  
End at: 2018-01-25 10:39:56  
Local clock offset: -0.385 ms  
Remote clock offset: -19.842 ms

# Below is generated by plot.py at 2018-01-25 12:33:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.82 Mbit/s  
95th percentile per-packet one-way delay: 33.507 ms  
Loss rate: 0.59%  
-- Flow 1:  
Average throughput: 2.82 Mbit/s  
95th percentile per-packet one-way delay: 33.507 ms  
Loss rate: 0.59%

Run 6: Report of WebRTC media — Data Link

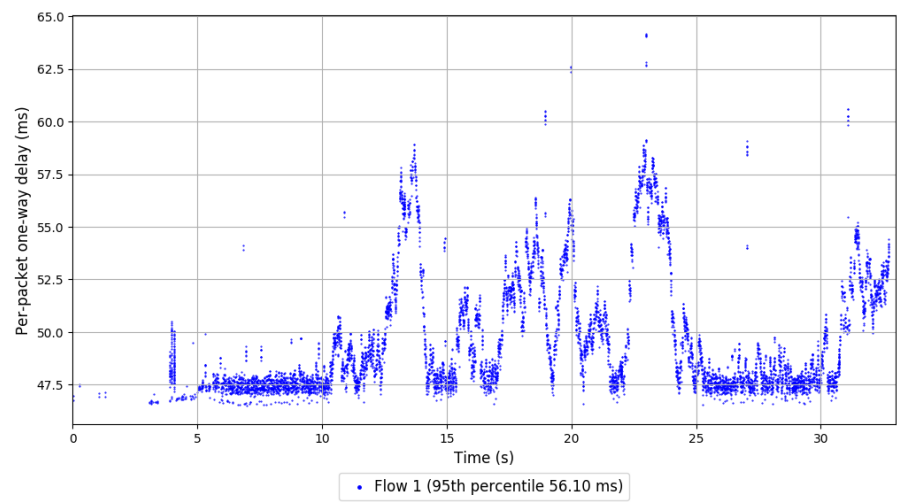
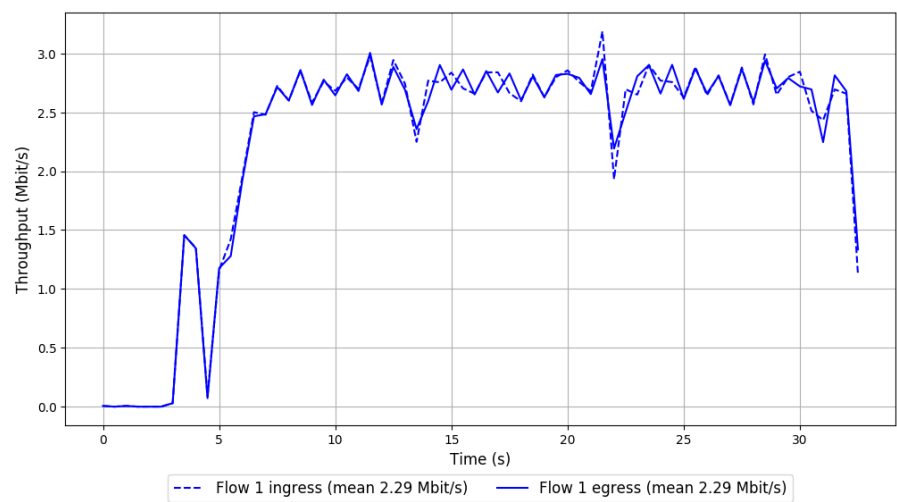


Run 7: Statistics of WebRTC media

Start at: 2018-01-25 10:58:46  
End at: 2018-01-25 10:59:16  
Local clock offset: -0.832 ms  
Remote clock offset: -6.095 ms

# Below is generated by plot.py at 2018-01-25 12:33:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.29 Mbit/s  
95th percentile per-packet one-way delay: 56.096 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 2.29 Mbit/s  
95th percentile per-packet one-way delay: 56.096 ms  
Loss rate: 0.01%

Run 7: Report of WebRTC media — Data Link

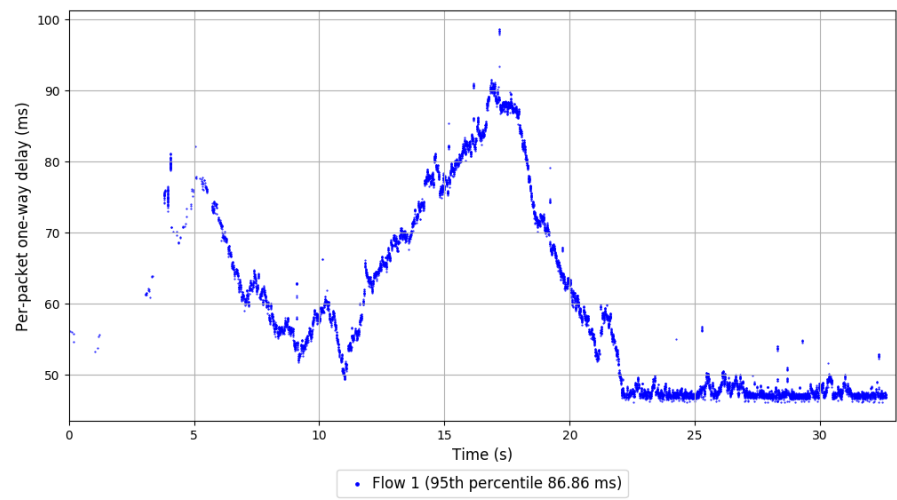
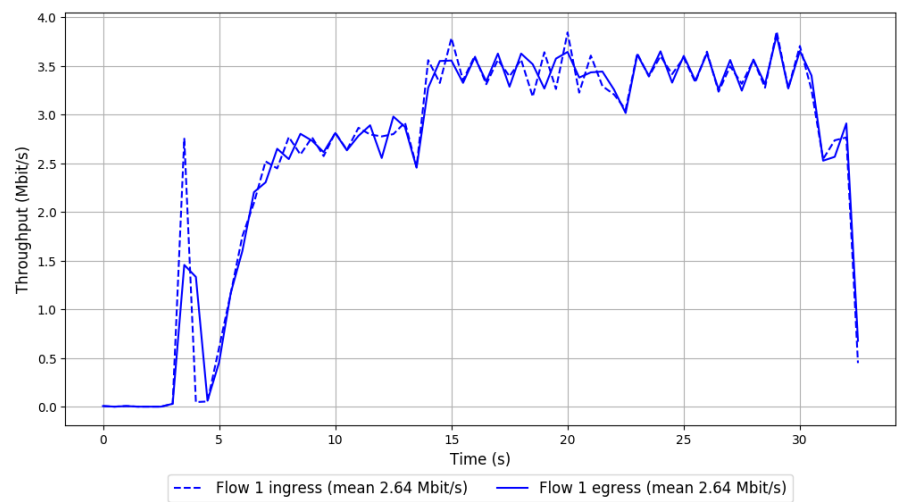


Run 8: Statistics of WebRTC media

Start at: 2018-01-25 11:17:51  
End at: 2018-01-25 11:18:21  
Local clock offset: -0.635 ms  
Remote clock offset: -4.792 ms

# Below is generated by plot.py at 2018-01-25 12:33:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.64 Mbit/s  
95th percentile per-packet one-way delay: 86.862 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 2.64 Mbit/s  
95th percentile per-packet one-way delay: 86.862 ms  
Loss rate: 0.06%

Run 8: Report of WebRTC media — Data Link



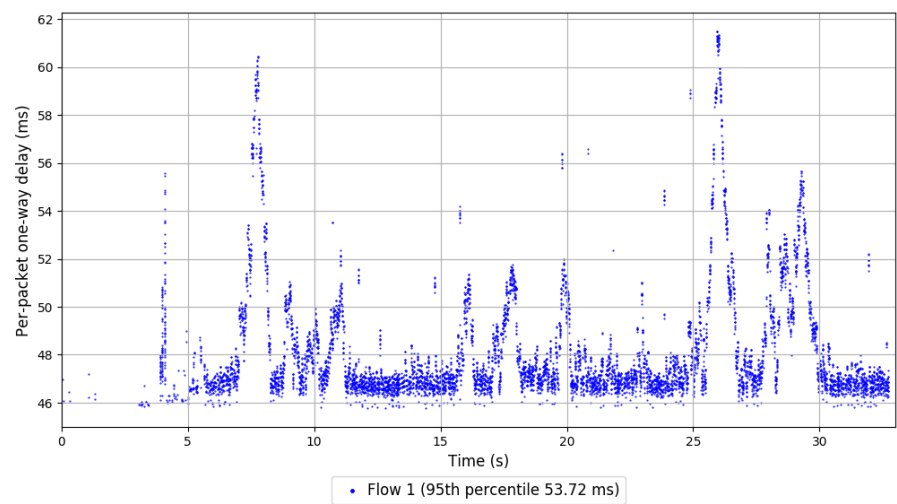
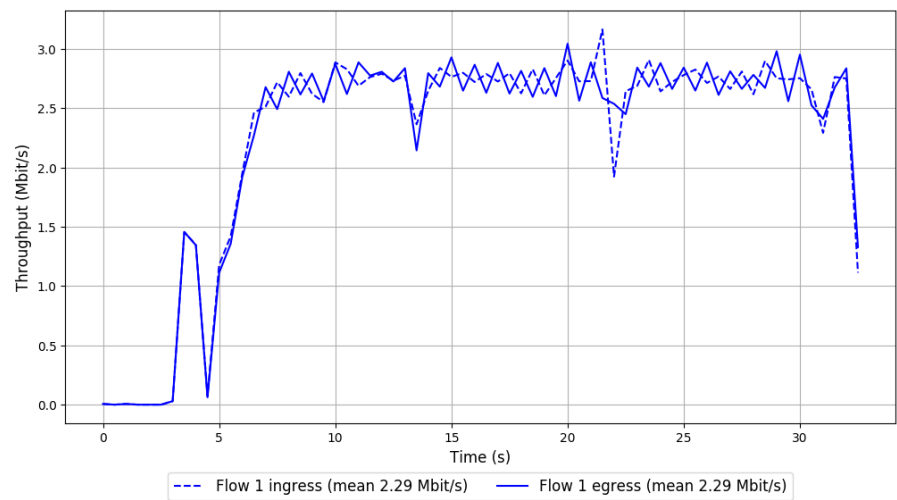
Run 9: Statistics of WebRTC media

Start at: 2018-01-25 11:36:54  
End at: 2018-01-25 11:37:24  
Local clock offset: -0.284 ms  
Remote clock offset: -3.569 ms

# Below is generated by plot.py at 2018-01-25 12:33:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.29 Mbit/s  
95th percentile per-packet one-way delay: 53.719 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.29 Mbit/s  
95th percentile per-packet one-way delay: 53.719 ms  
Loss rate: 0.00%



Run 9: Report of WebRTC media — Data Link

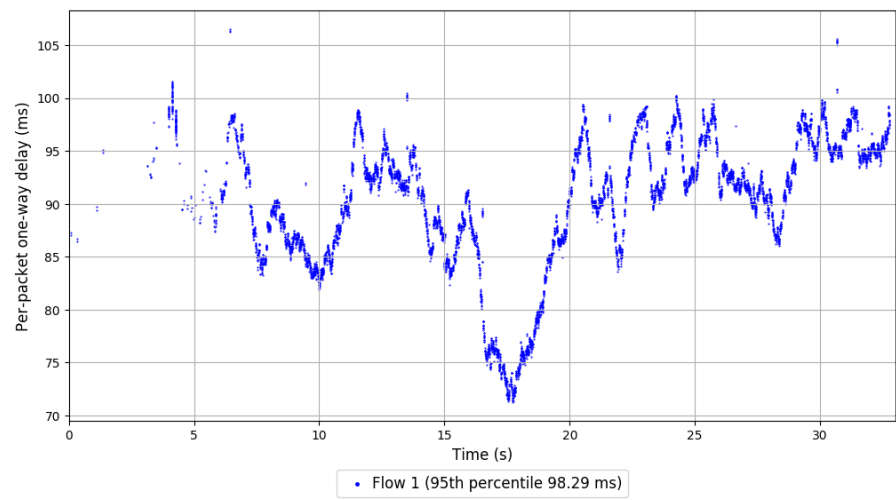
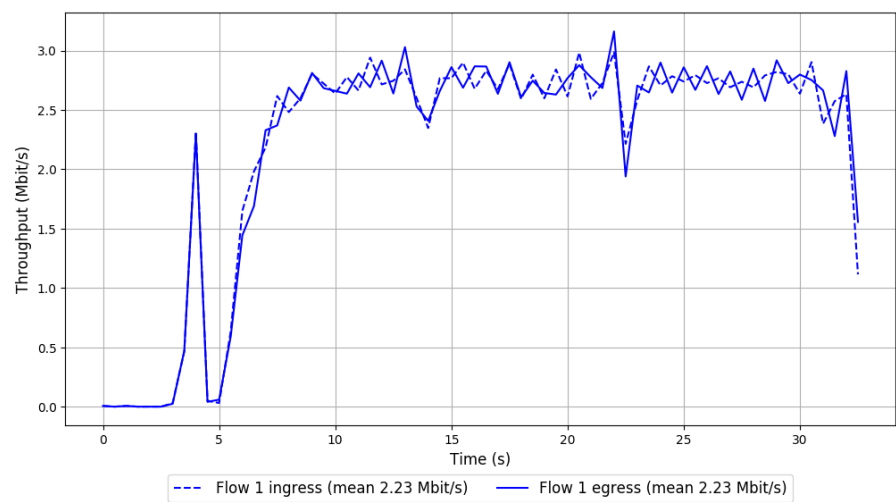


Run 10: Statistics of WebRTC media

Start at: 2018-01-25 11:55:59  
End at: 2018-01-25 11:56:29  
Local clock offset: -0.565 ms  
Remote clock offset: -0.897 ms

# Below is generated by plot.py at 2018-01-25 12:33:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.23 Mbit/s  
95th percentile per-packet one-way delay: 98.286 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 2.23 Mbit/s  
95th percentile per-packet one-way delay: 98.286 ms  
Loss rate: 0.02%

Run 10: Report of WebRTC media — Data Link

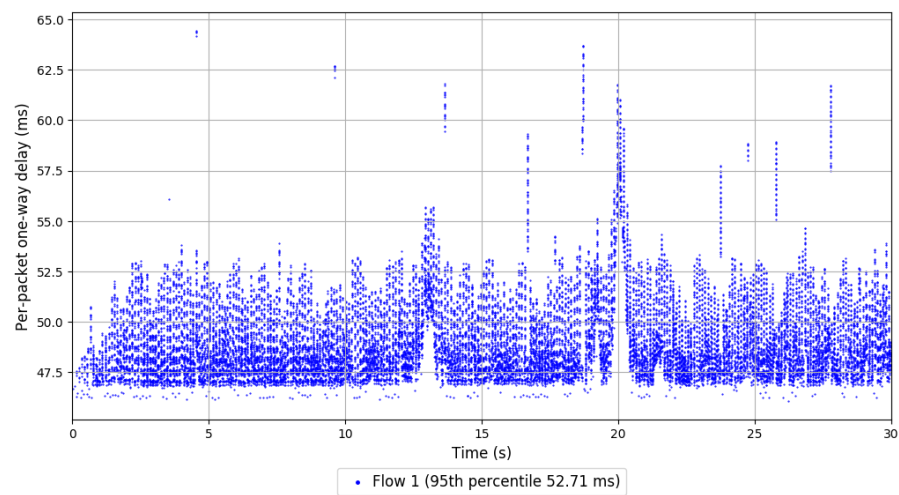
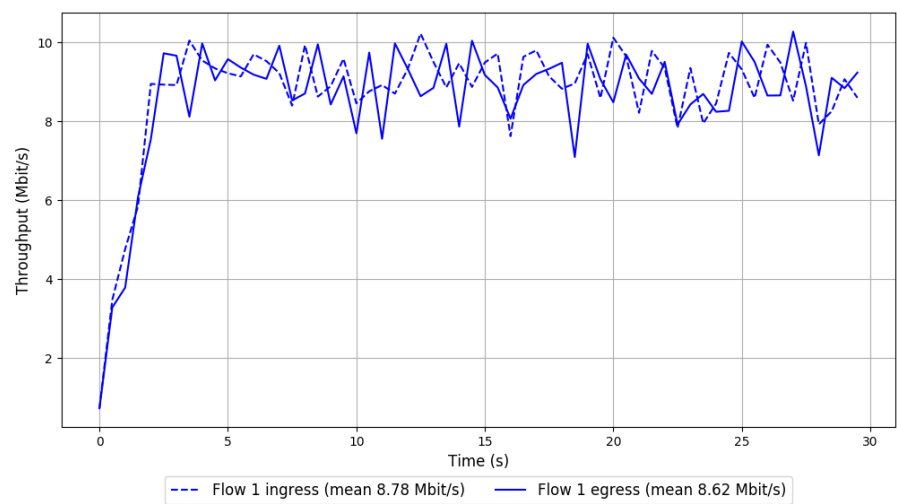


Run 1: Statistics of Sprout

Start at: 2018-01-25 09:07:31  
End at: 2018-01-25 09:08:01  
Local clock offset: 0.055 ms  
Remote clock offset: -1.581 ms

# Below is generated by plot.py at 2018-01-25 12:33:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 8.62 Mbit/s  
95th percentile per-packet one-way delay: 52.706 ms  
Loss rate: 1.82%  
-- Flow 1:  
Average throughput: 8.62 Mbit/s  
95th percentile per-packet one-way delay: 52.706 ms  
Loss rate: 1.82%

Run 1: Report of Sprout — Data Link

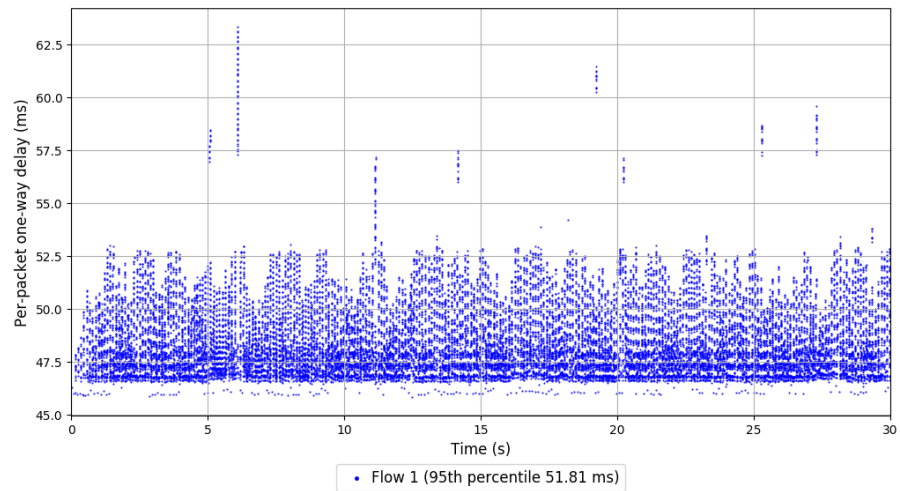
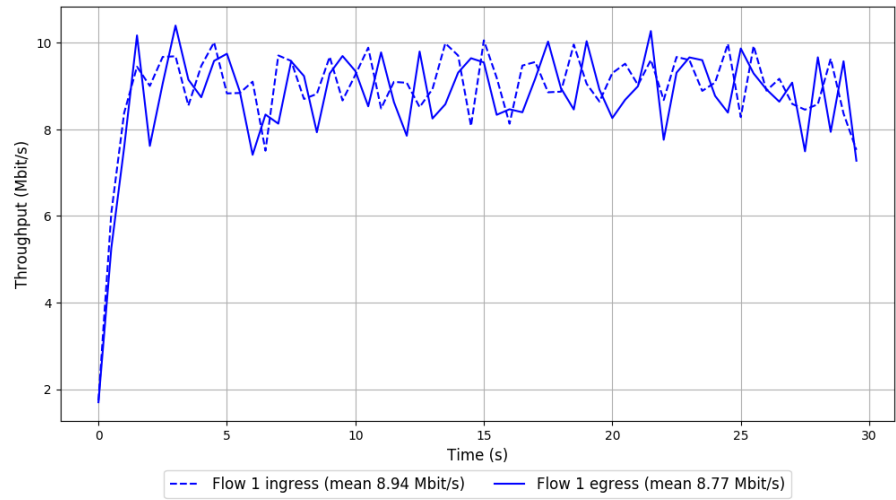


Run 2: Statistics of Sprout

Start at: 2018-01-25 09:26:51  
End at: 2018-01-25 09:27:21  
Local clock offset: -0.072 ms  
Remote clock offset: -2.496 ms

# Below is generated by plot.py at 2018-01-25 12:33:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 8.77 Mbit/s  
95th percentile per-packet one-way delay: 51.815 ms  
Loss rate: 1.88%  
-- Flow 1:  
Average throughput: 8.77 Mbit/s  
95th percentile per-packet one-way delay: 51.815 ms  
Loss rate: 1.88%

## Run 2: Report of Sprout — Data Link



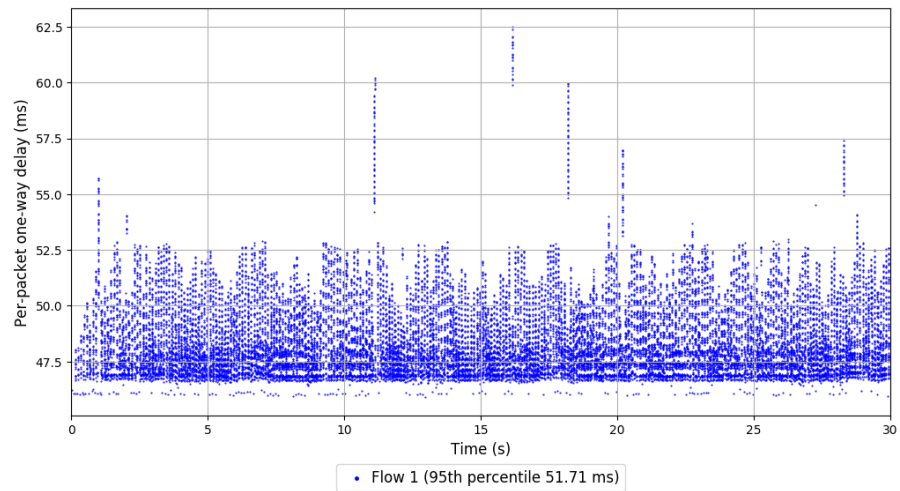
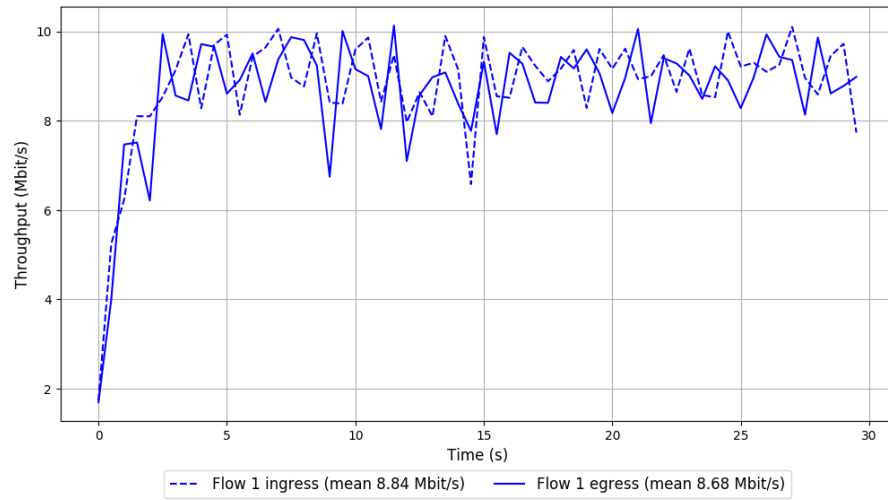
Run 3: Statistics of Sprout

Start at: 2018-01-25 09:45:47  
End at: 2018-01-25 09:46:17  
Local clock offset: -0.144 ms  
Remote clock offset: -3.582 ms

# Below is generated by plot.py at 2018-01-25 12:33:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 8.68 Mbit/s  
95th percentile per-packet one-way delay: 51.706 ms  
Loss rate: 1.76%  
-- Flow 1:  
Average throughput: 8.68 Mbit/s  
95th percentile per-packet one-way delay: 51.706 ms  
Loss rate: 1.76%



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



Run 4: Statistics of Sprout

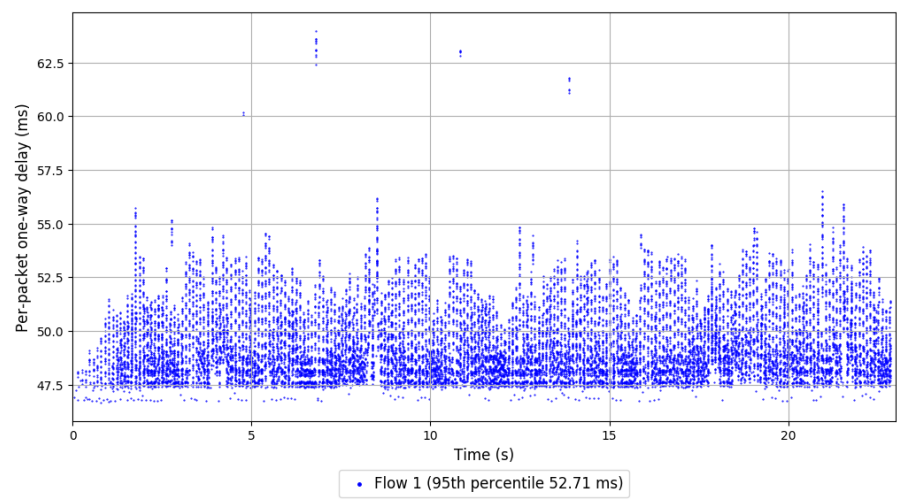
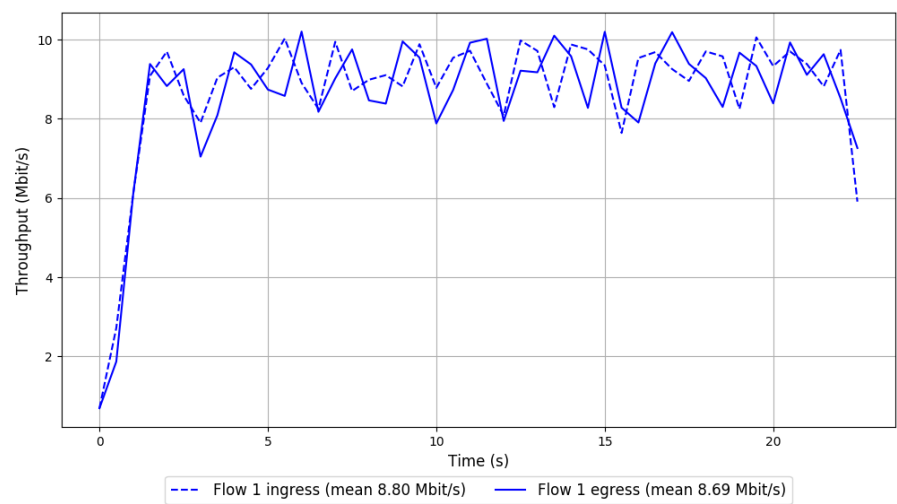
Start at: 2018-01-25 10:04:51

End at: 2018-01-25 10:05:22

Local clock offset: -0.839 ms

Remote clock offset: -4.653 ms

Run 4: Report of Sprout — Data Link

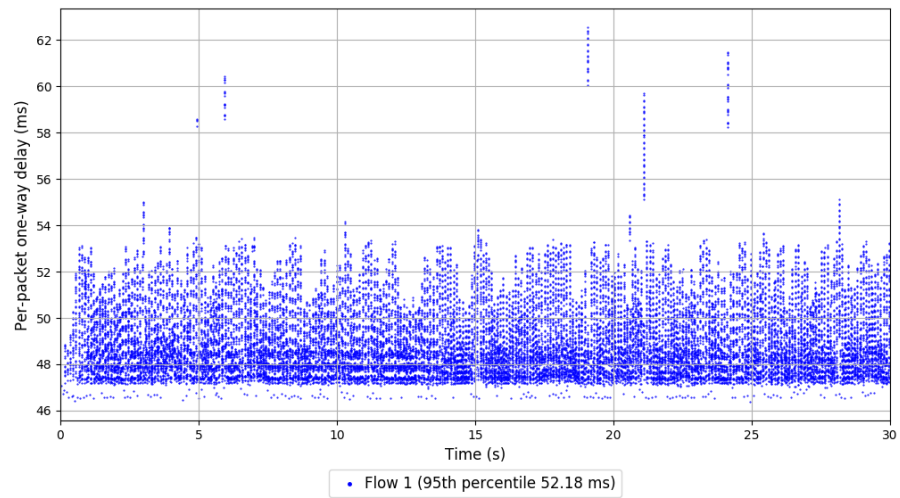
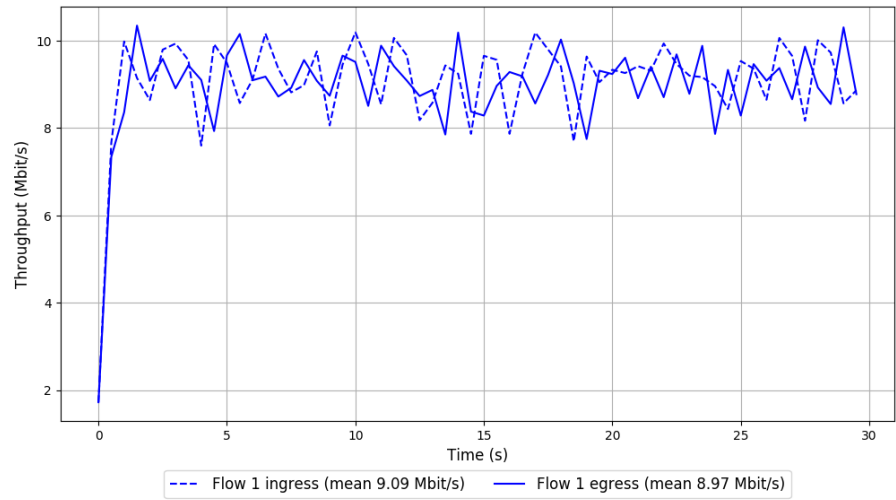


Run 5: Statistics of Sprout

Start at: 2018-01-25 10:23:56  
End at: 2018-01-25 10:24:26  
Local clock offset: -0.985 ms  
Remote clock offset: -5.497 ms

# Below is generated by plot.py at 2018-01-25 12:33:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 8.97 Mbit/s  
95th percentile per-packet one-way delay: 52.176 ms  
Loss rate: 1.29%  
-- Flow 1:  
Average throughput: 8.97 Mbit/s  
95th percentile per-packet one-way delay: 52.176 ms  
Loss rate: 1.29%

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

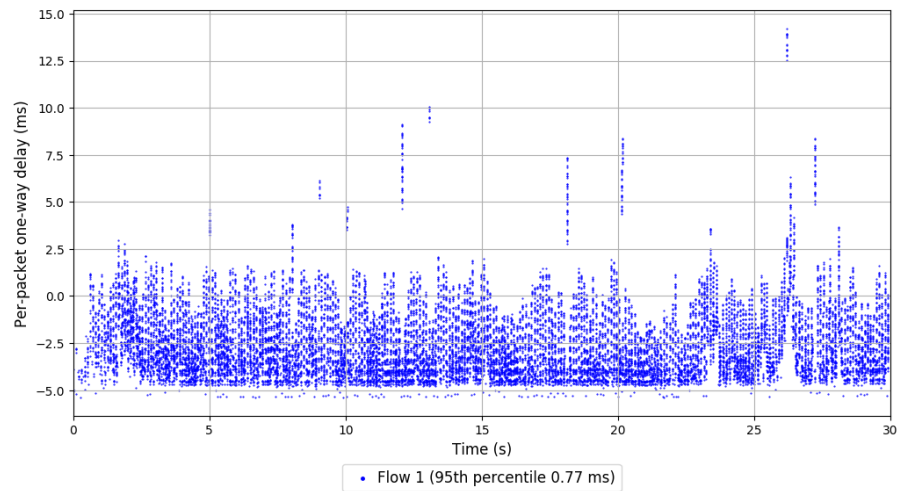
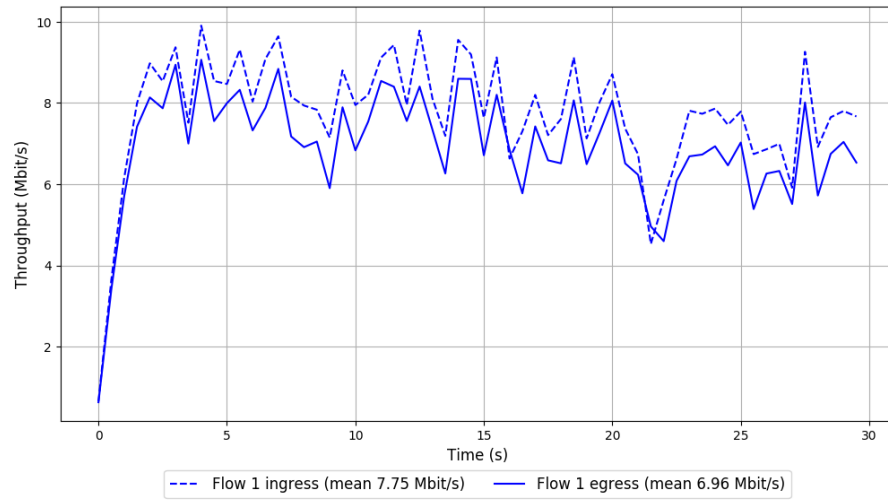


Run 6: Statistics of Sprout

Start at: 2018-01-25 10:43:15  
End at: 2018-01-25 10:43:45  
Local clock offset: -0.889 ms  
Remote clock offset: -57.68 ms

# Below is generated by plot.py at 2018-01-25 12:33:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 6.96 Mbit/s  
95th percentile per-packet one-way delay: 0.771 ms  
Loss rate: 10.21%  
-- Flow 1:  
Average throughput: 6.96 Mbit/s  
95th percentile per-packet one-way delay: 0.771 ms  
Loss rate: 10.21%

## Run 6: Report of Sprout — Data Link



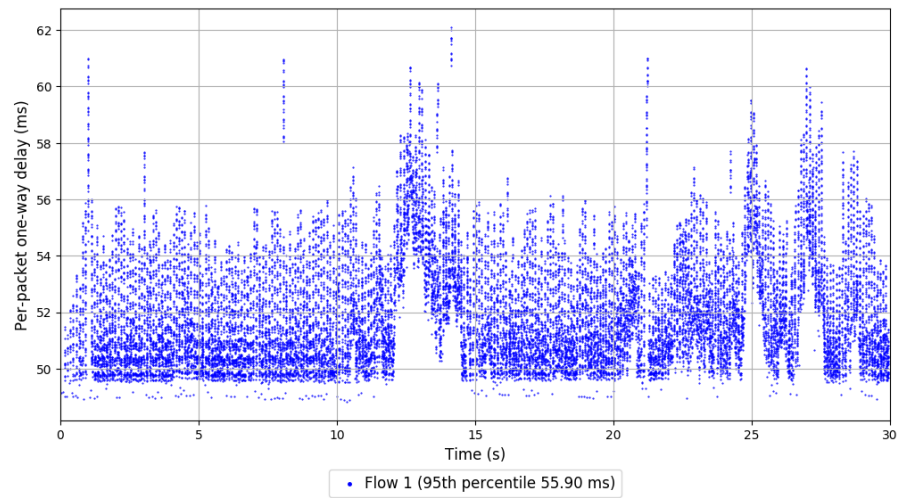
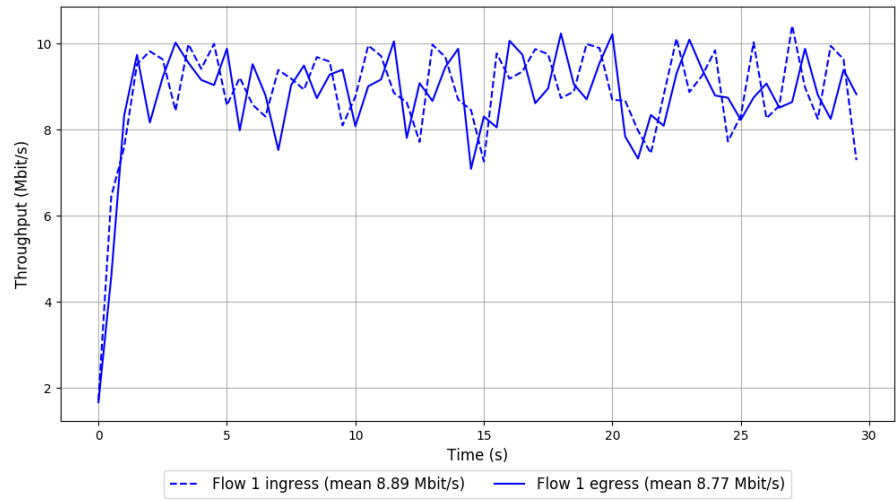
Run 7: Statistics of Sprout

Start at: 2018-01-25 11:02:25  
End at: 2018-01-25 11:02:55  
Local clock offset: -3.055 ms  
Remote clock offset: -5.865 ms

# Below is generated by plot.py at 2018-01-25 12:33:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 8.77 Mbit/s  
95th percentile per-packet one-way delay: 55.895 ms  
Loss rate: 1.34%  
-- Flow 1:  
Average throughput: 8.77 Mbit/s  
95th percentile per-packet one-way delay: 55.895 ms  
Loss rate: 1.34%



### Run 7: Report of Sprout — Data Link

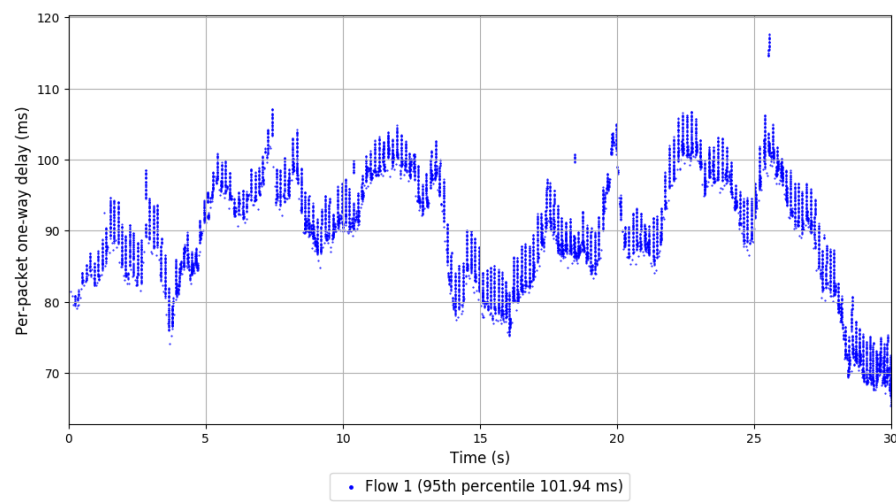
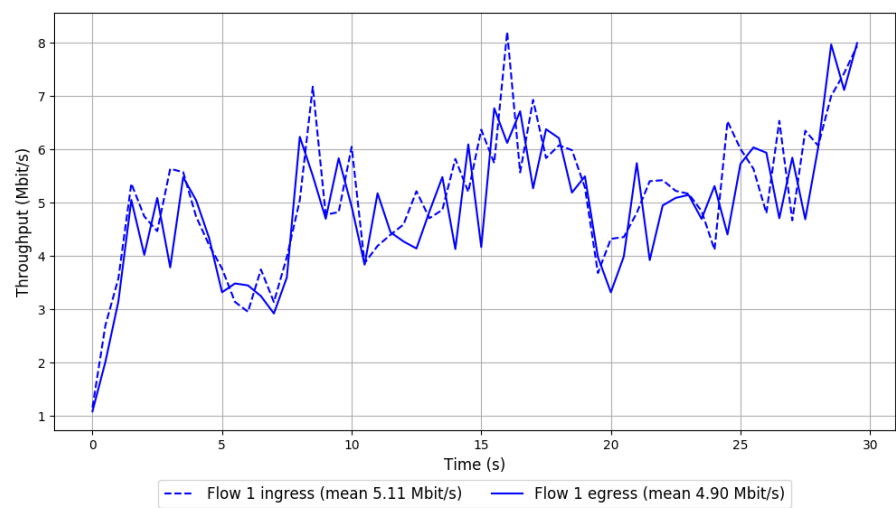


Run 8: Statistics of Sprout

Start at: 2018-01-25 11:21:27  
End at: 2018-01-25 11:21:58  
Local clock offset: -3.051 ms  
Remote clock offset: -4.489 ms

# Below is generated by plot.py at 2018-01-25 12:33:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 4.90 Mbit/s  
95th percentile per-packet one-way delay: 101.944 ms  
Loss rate: 4.02%  
-- Flow 1:  
Average throughput: 4.90 Mbit/s  
95th percentile per-packet one-way delay: 101.944 ms  
Loss rate: 4.02%

Run 8: Report of Sprout — Data Link

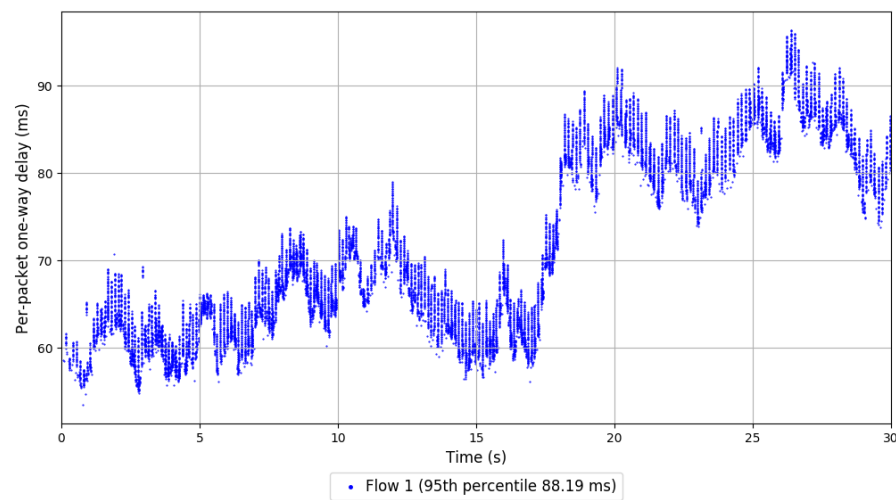
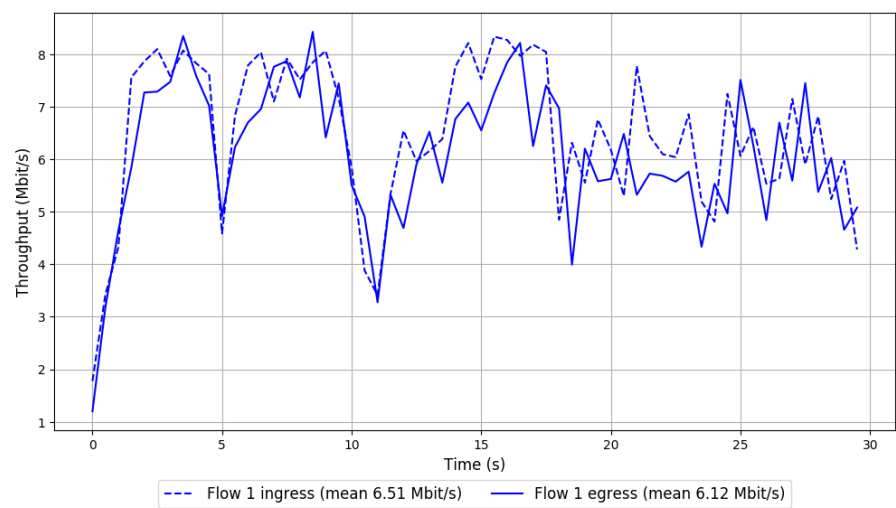


Run 9: Statistics of Sprout

Start at: 2018-01-25 11:40:30  
End at: 2018-01-25 11:41:00  
Local clock offset: -0.694 ms  
Remote clock offset: -3.029 ms

# Below is generated by plot.py at 2018-01-25 12:33:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 6.12 Mbit/s  
95th percentile per-packet one-way delay: 88.195 ms  
Loss rate: 6.01%  
-- Flow 1:  
Average throughput: 6.12 Mbit/s  
95th percentile per-packet one-way delay: 88.195 ms  
Loss rate: 6.01%

Run 9: Report of Sprout — Data Link

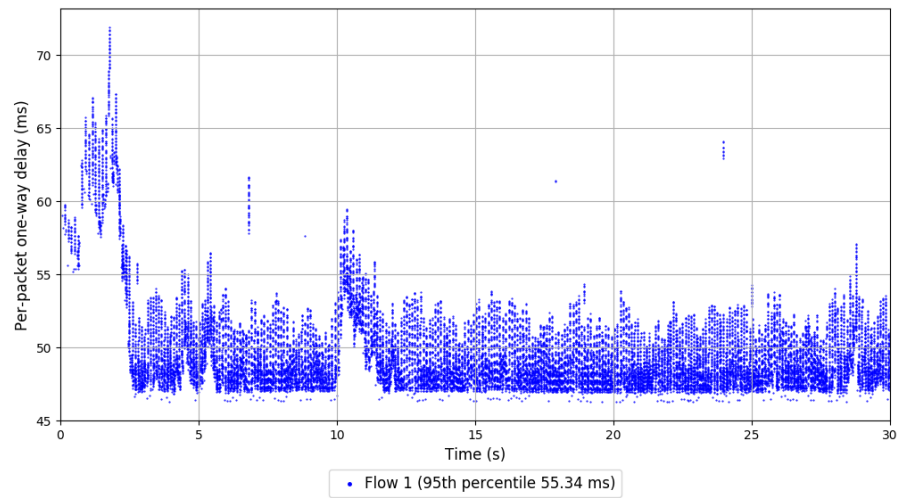
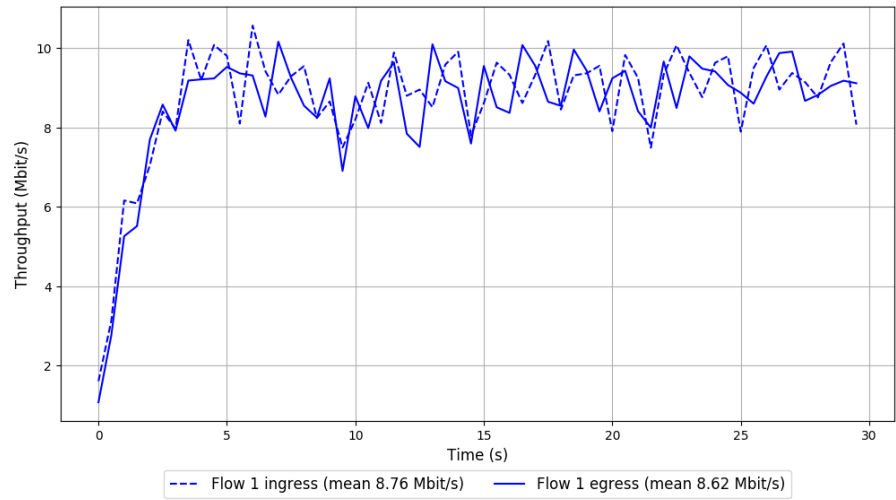


Run 10: Statistics of Sprout

Start at: 2018-01-25 11:59:35  
End at: 2018-01-25 12:00:05  
Local clock offset: -0.733 ms  
Remote clock offset: -0.492 ms

# Below is generated by plot.py at 2018-01-25 12:33:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 8.62 Mbit/s  
95th percentile per-packet one-way delay: 55.341 ms  
Loss rate: 1.64%  
-- Flow 1:  
Average throughput: 8.62 Mbit/s  
95th percentile per-packet one-way delay: 55.341 ms  
Loss rate: 1.64%

# Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-01-25 09:11:16

End at: 2018-01-25 09:11:46

Local clock offset: 0.144 ms

Remote clock offset: -1.794 ms

# Below is generated by plot.py at 2018-01-25 12:35:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 79.39 Mbit/s

95th percentile per-packet one-way delay: 59.573 ms

Loss rate: 2.95%

-- Flow 1:

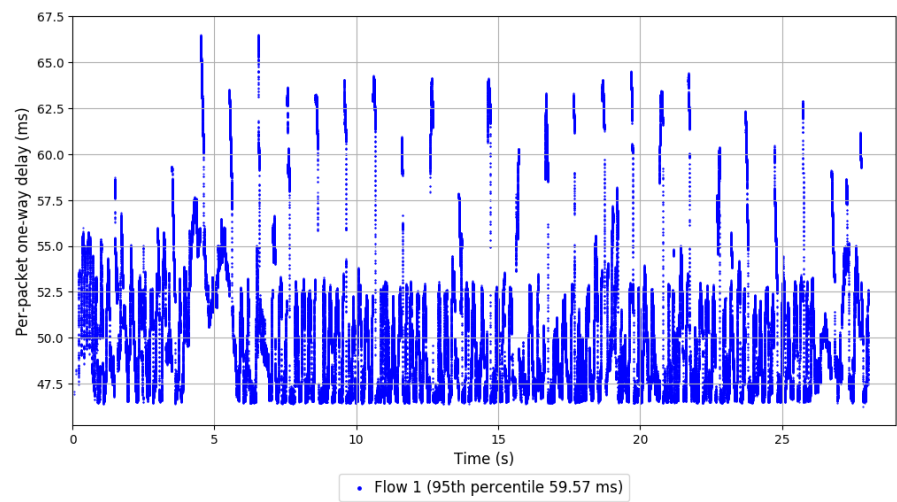
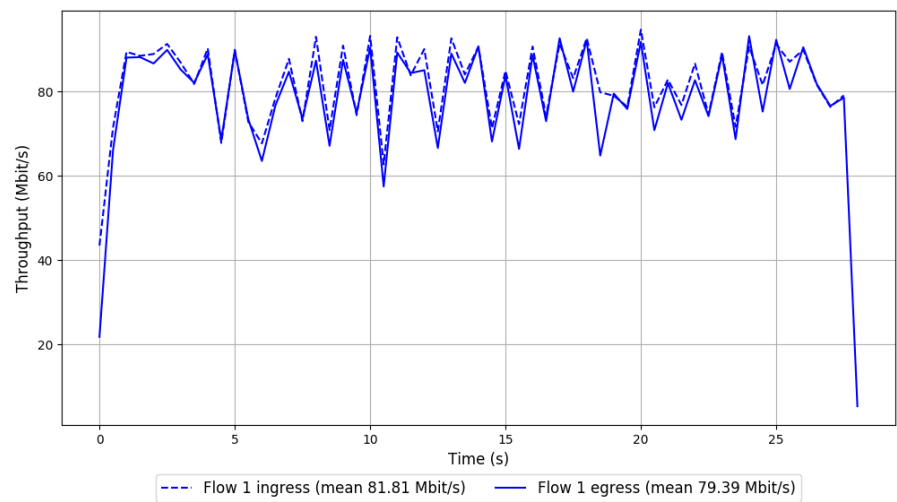
Average throughput: 79.39 Mbit/s

95th percentile per-packet one-way delay: 59.573 ms

Loss rate: 2.95%



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

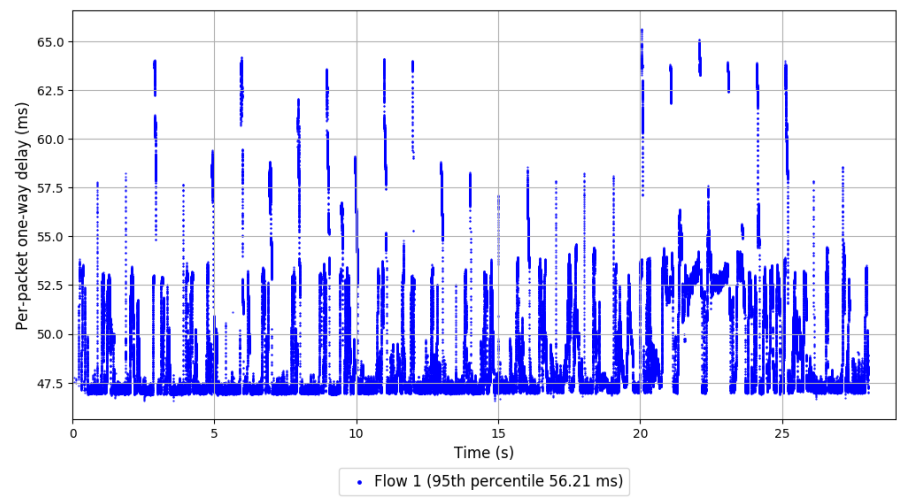
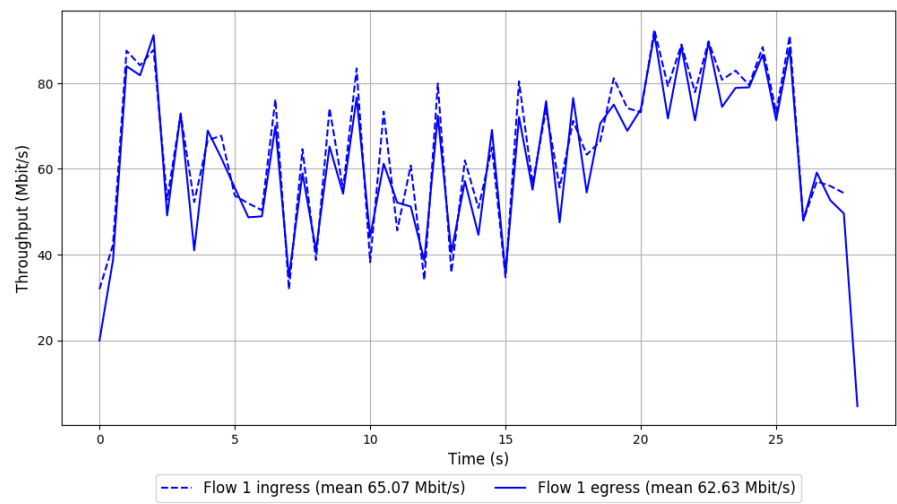


Run 2: Statistics of TaoVA-100x

Start at: 2018-01-25 09:30:25  
End at: 2018-01-25 09:30:55  
Local clock offset: -0.354 ms  
Remote clock offset: -2.638 ms

# Below is generated by plot.py at 2018-01-25 12:35:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 62.63 Mbit/s  
95th percentile per-packet one-way delay: 56.211 ms  
Loss rate: 3.75%  
-- Flow 1:  
Average throughput: 62.63 Mbit/s  
95th percentile per-packet one-way delay: 56.211 ms  
Loss rate: 3.75%

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

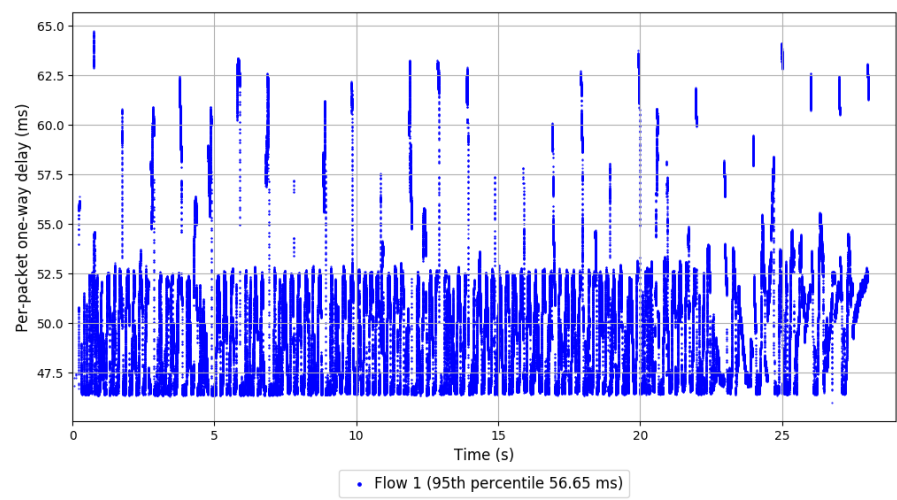
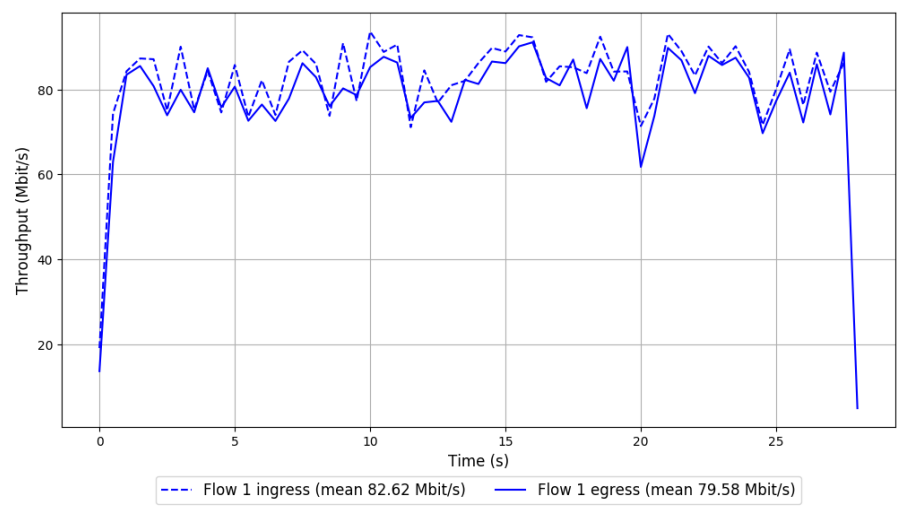


Run 3: Statistics of TaoVA-100x

Start at: 2018-01-25 09:49:21  
End at: 2018-01-25 09:49:51  
Local clock offset: -0.141 ms  
Remote clock offset: -3.828 ms

# Below is generated by plot.py at 2018-01-25 12:35:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 79.58 Mbit/s  
95th percentile per-packet one-way delay: 56.646 ms  
Loss rate: 3.66%  
-- Flow 1:  
Average throughput: 79.58 Mbit/s  
95th percentile per-packet one-way delay: 56.646 ms  
Loss rate: 3.66%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-01-25 10:08:26

End at: 2018-01-25 10:08:56

Local clock offset: -0.219 ms

Remote clock offset: -4.71 ms

# Below is generated by plot.py at 2018-01-25 12:35:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 79.50 Mbit/s

95th percentile per-packet one-way delay: 60.044 ms

Loss rate: 3.54%

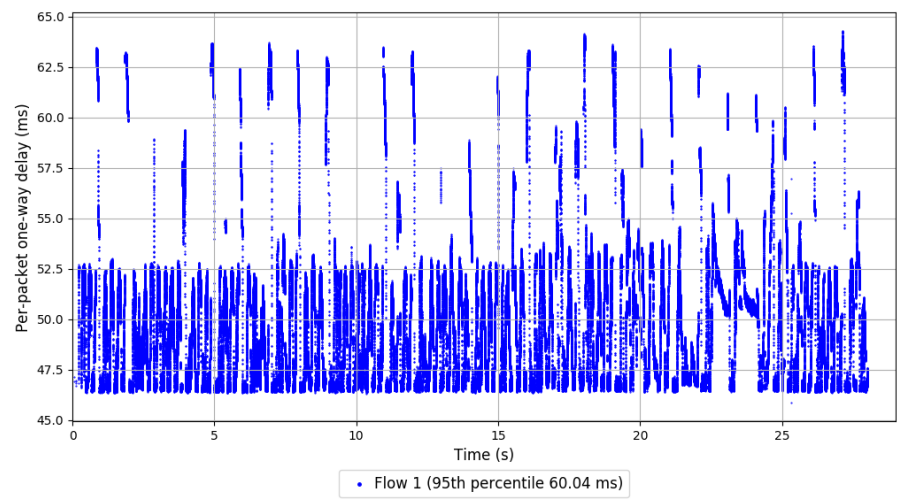
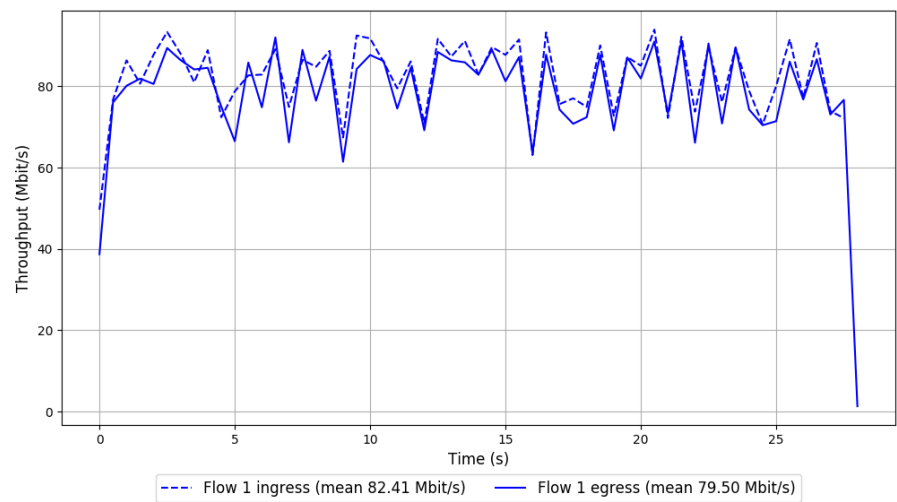
-- Flow 1:

Average throughput: 79.50 Mbit/s

95th percentile per-packet one-way delay: 60.044 ms

Loss rate: 3.54%

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



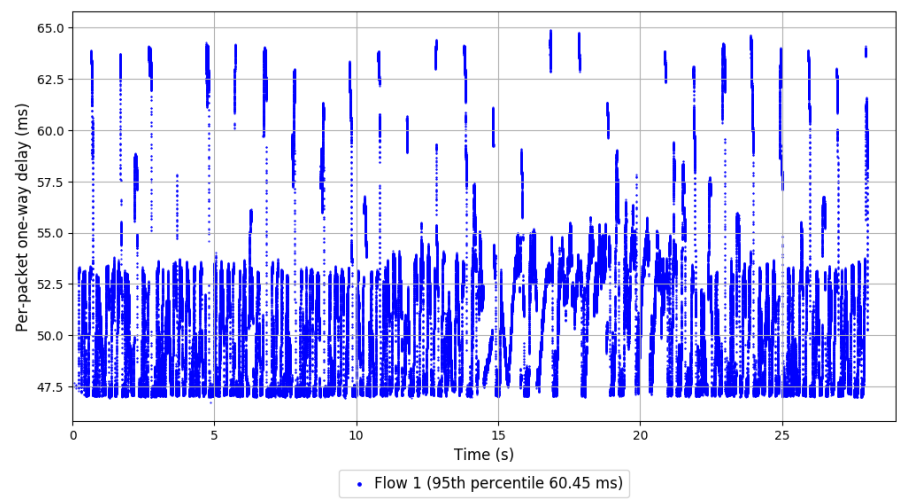
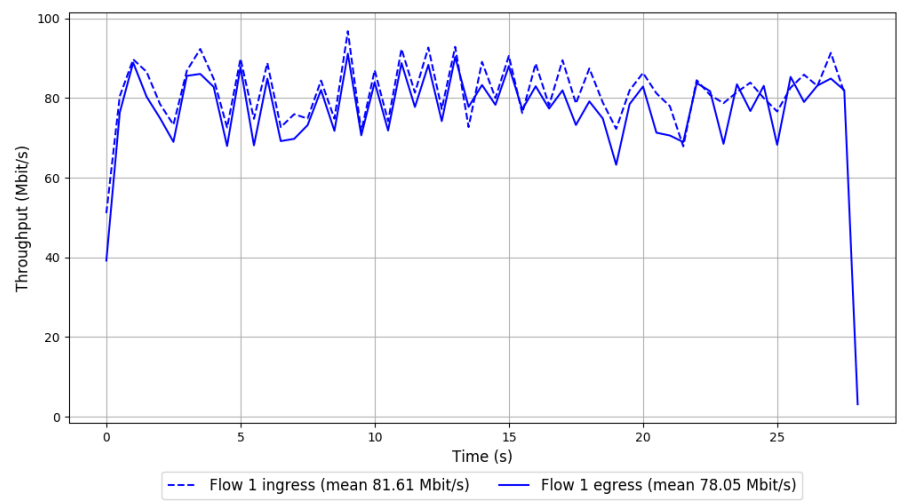
Run 5: Statistics of TaoVA-100x

Start at: 2018-01-25 10:27:30  
End at: 2018-01-25 10:28:00  
Local clock offset: -0.733 ms  
Remote clock offset: -5.533 ms

# Below is generated by plot.py at 2018-01-25 12:35:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.05 Mbit/s  
95th percentile per-packet one-way delay: 60.447 ms  
Loss rate: 4.35%  
-- Flow 1:  
Average throughput: 78.05 Mbit/s  
95th percentile per-packet one-way delay: 60.447 ms  
Loss rate: 4.35%



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

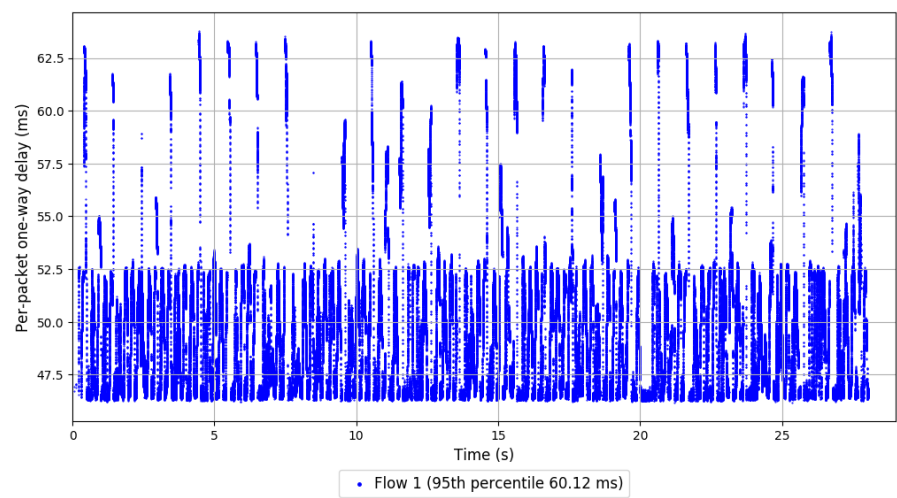
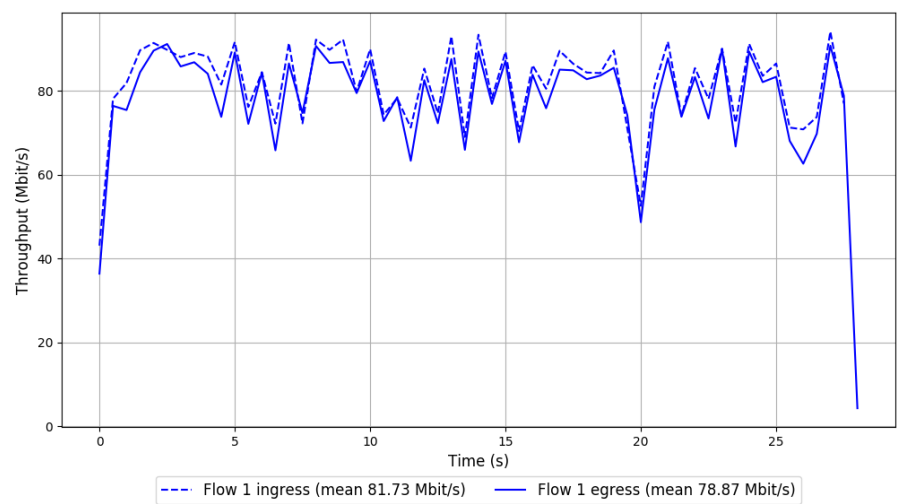


Run 6: Statistics of TaoVA-100x

Start at: 2018-01-25 10:46:53  
End at: 2018-01-25 10:47:23  
Local clock offset: -0.317 ms  
Remote clock offset: -5.928 ms

# Below is generated by plot.py at 2018-01-25 12:35:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.87 Mbit/s  
95th percentile per-packet one-way delay: 60.125 ms  
Loss rate: 3.49%  
-- Flow 1:  
Average throughput: 78.87 Mbit/s  
95th percentile per-packet one-way delay: 60.125 ms  
Loss rate: 3.49%

Run 6: Report of TaoVA-100x — Data Link

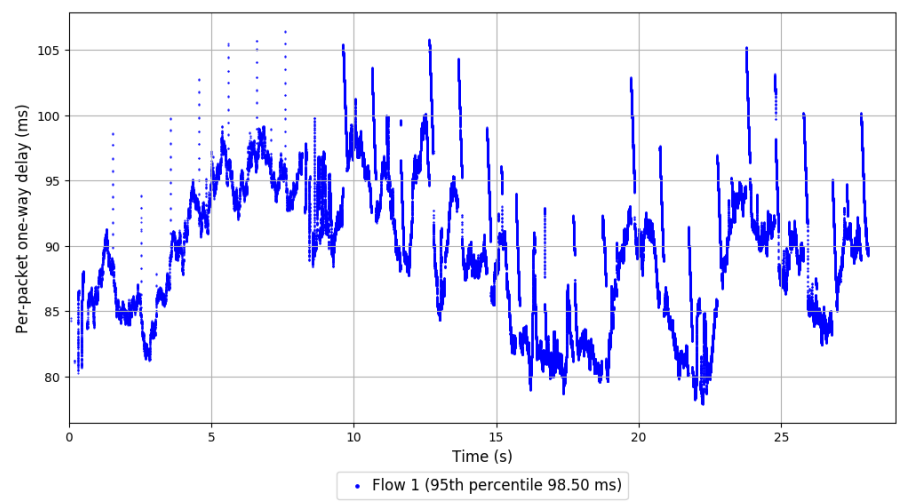
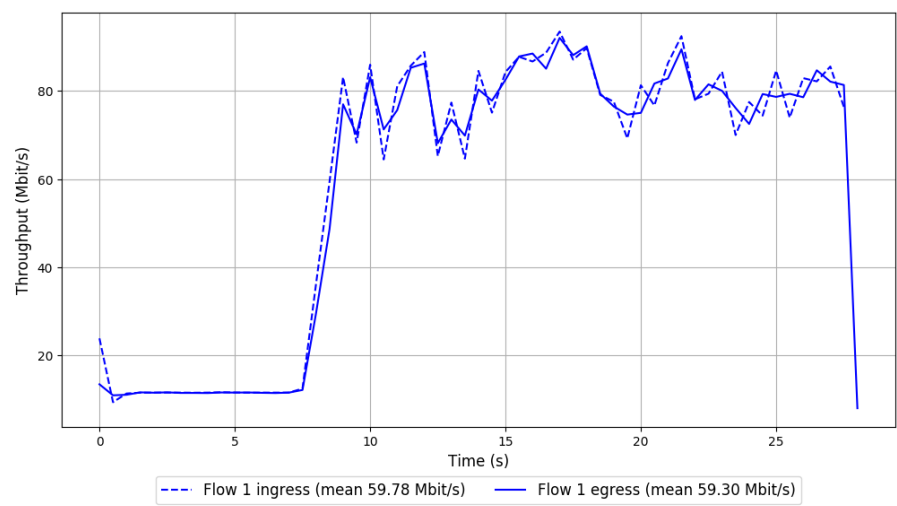


Run 7: Statistics of TaoVA-100x

Start at: 2018-01-25 11:06:00  
End at: 2018-01-25 11:06:30  
Local clock offset: -0.359 ms  
Remote clock offset: -5.554 ms

# Below is generated by plot.py at 2018-01-25 12:35:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 59.30 Mbit/s  
95th percentile per-packet one-way delay: 98.495 ms  
Loss rate: 0.87%  
-- Flow 1:  
Average throughput: 59.30 Mbit/s  
95th percentile per-packet one-way delay: 98.495 ms  
Loss rate: 0.87%

Run 7: Report of TaoVA-100x — Data Link



Run 8: Statistics of TaoVA-100x

Start at: 2018-01-25 11:25:02

End at: 2018-01-25 11:25:32

Local clock offset: -0.44 ms

Remote clock offset: -4.335 ms

# Below is generated by plot.py at 2018-01-25 12:35:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 46.93 Mbit/s

95th percentile per-packet one-way delay: 100.848 ms

Loss rate: 3.09%

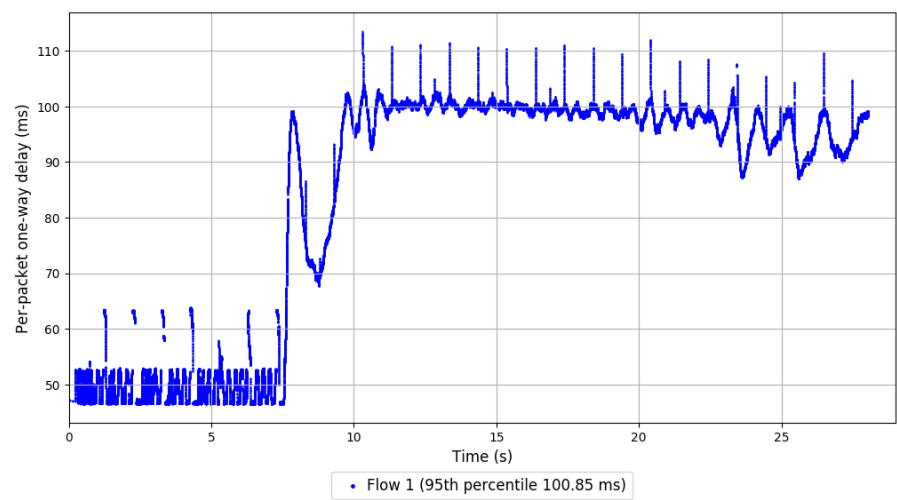
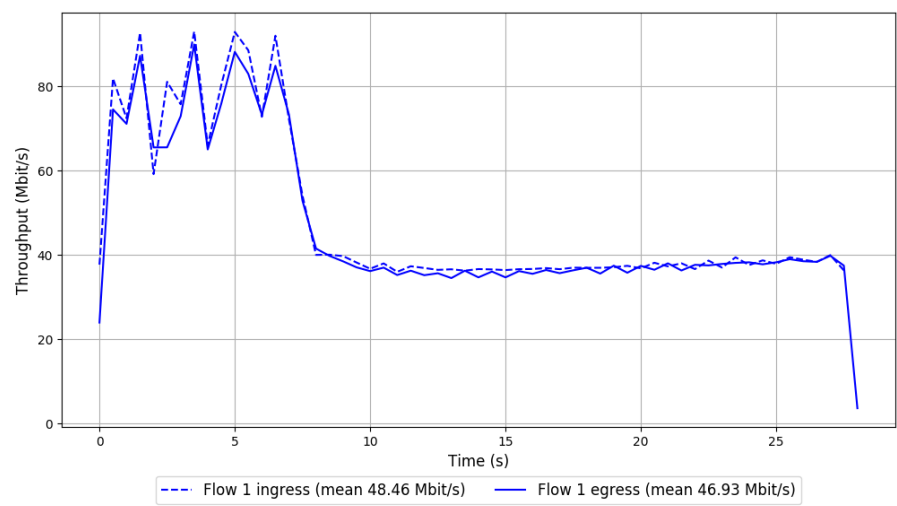
-- Flow 1:

Average throughput: 46.93 Mbit/s

95th percentile per-packet one-way delay: 100.848 ms

Loss rate: 3.09%

Run 8: Report of TaoVA-100x — Data Link



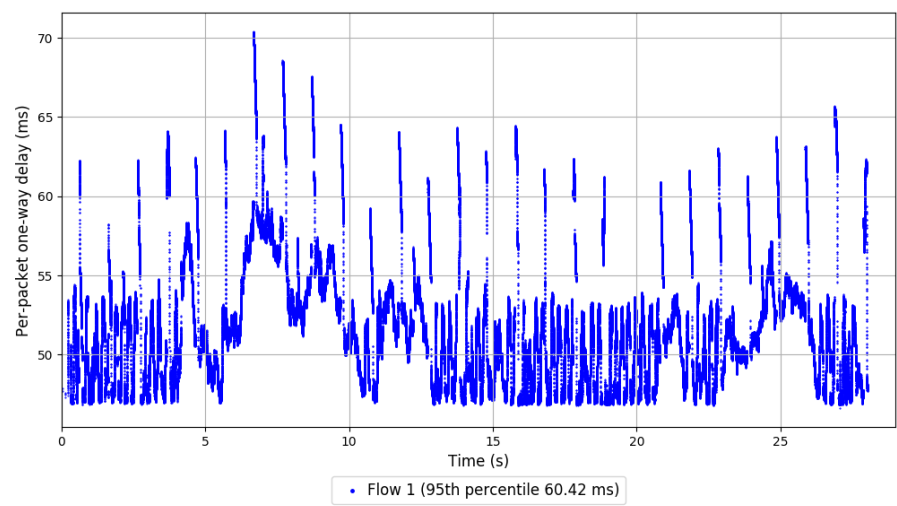
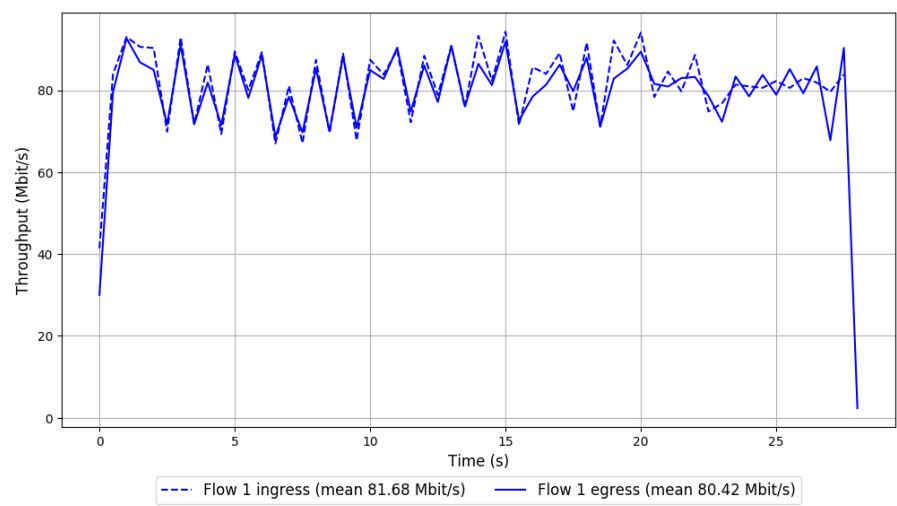
Run 9: Statistics of TaoVA-100x

Start at: 2018-01-25 11:44:06  
End at: 2018-01-25 11:44:36  
Local clock offset: -0.935 ms  
Remote clock offset: -2.479 ms

# Below is generated by plot.py at 2018-01-25 12:36:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 80.42 Mbit/s  
95th percentile per-packet one-way delay: 60.420 ms  
Loss rate: 1.55%  
-- Flow 1:  
Average throughput: 80.42 Mbit/s  
95th percentile per-packet one-way delay: 60.420 ms  
Loss rate: 1.55%



Run 9: Report of TaoVA-100x — Data Link



Run 10: Statistics of TaoVA-100x

Start at: 2018-01-25 12:03:08

End at: 2018-01-25 12:03:38

Local clock offset: -1.051 ms

Remote clock offset: 1.921 ms

# Below is generated by plot.py at 2018-01-25 12:37:06

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.44 Mbit/s

95th percentile per-packet one-way delay: 64.310 ms

Loss rate: 1.58%

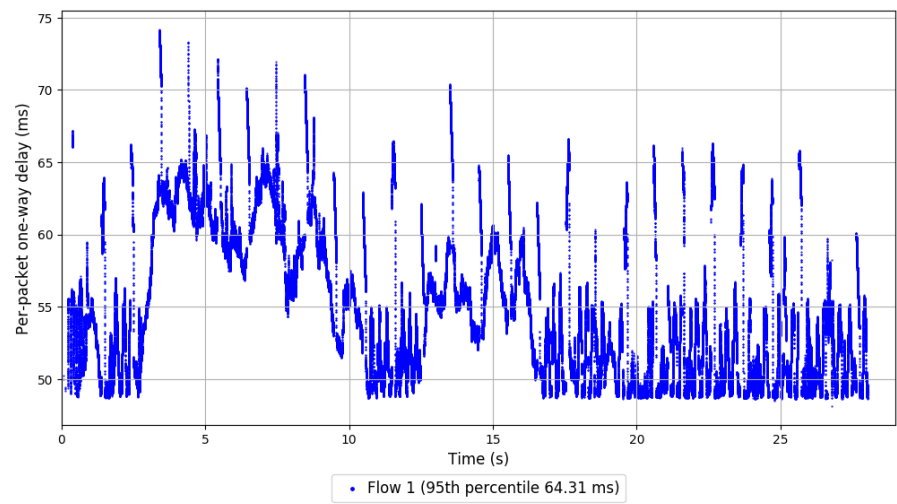
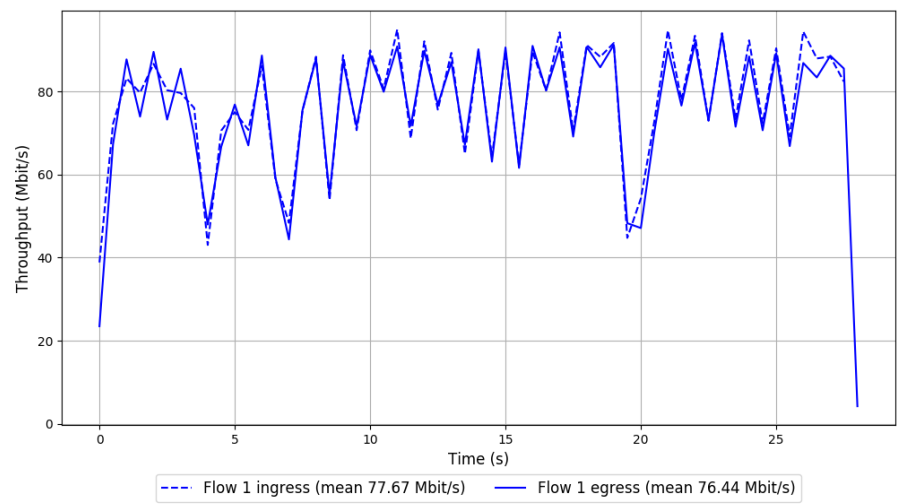
-- Flow 1:

Average throughput: 76.44 Mbit/s

95th percentile per-packet one-way delay: 64.310 ms

Loss rate: 1.58%

Run 10: Report of TaoVA-100x — Data Link

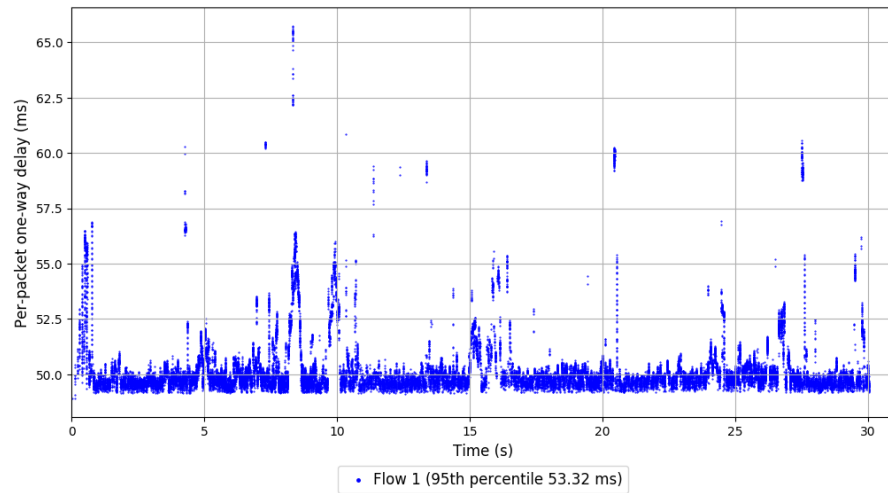
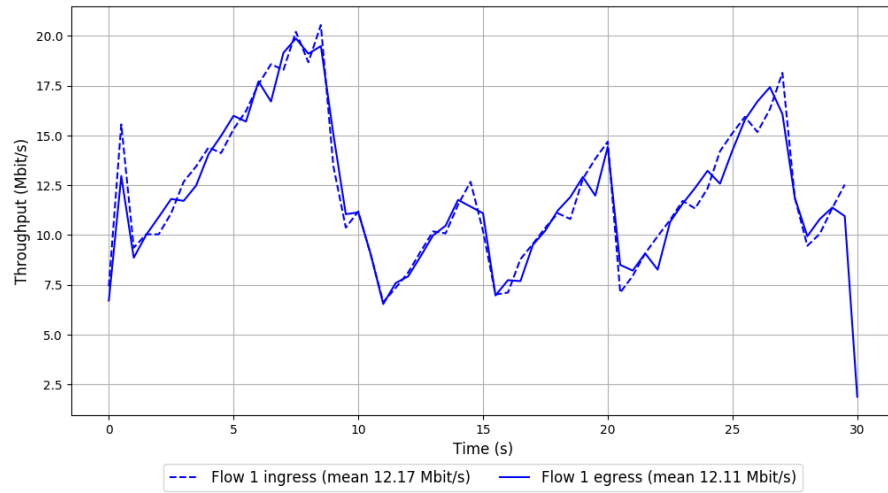


Run 1: Statistics of TCP Vegas

Start at: 2018-01-25 09:14:55  
End at: 2018-01-25 09:15:25  
Local clock offset: -2.762 ms  
Remote clock offset: -1.921 ms

# Below is generated by plot.py at 2018-01-25 12:37:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.11 Mbit/s  
95th percentile per-packet one-way delay: 53.317 ms  
Loss rate: 0.50%  
-- Flow 1:  
Average throughput: 12.11 Mbit/s  
95th percentile per-packet one-way delay: 53.317 ms  
Loss rate: 0.50%

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

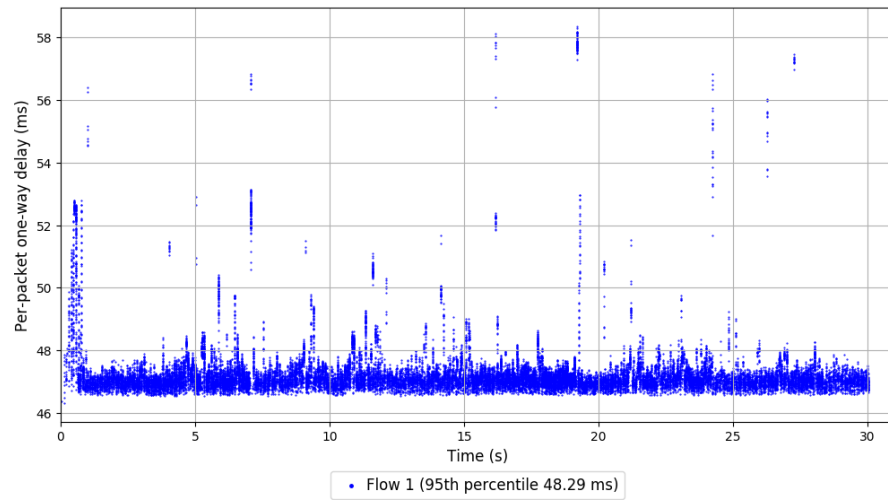
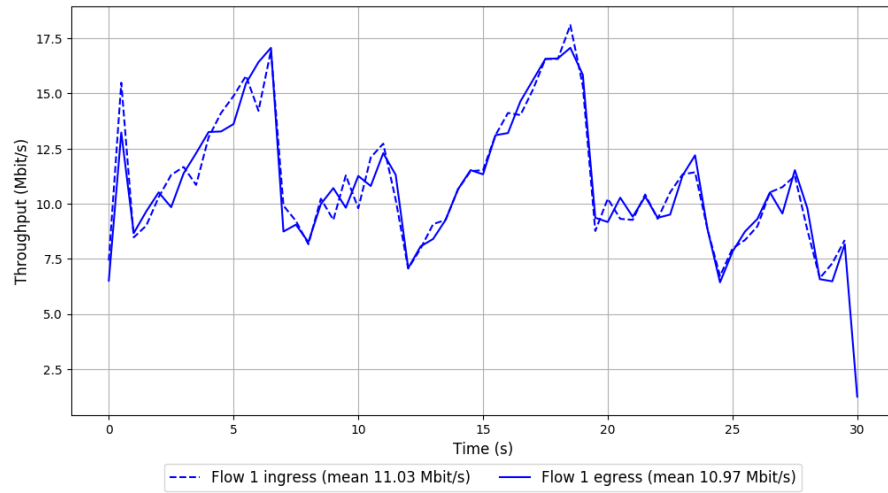


Run 2: Statistics of TCP Vegas

Start at: 2018-01-25 09:34:03  
End at: 2018-01-25 09:34:33  
Local clock offset: -0.254 ms  
Remote clock offset: -2.876 ms

# Below is generated by plot.py at 2018-01-25 12:37:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 10.97 Mbit/s  
95th percentile per-packet one-way delay: 48.286 ms  
Loss rate: 0.48%  
-- Flow 1:  
Average throughput: 10.97 Mbit/s  
95th percentile per-packet one-way delay: 48.286 ms  
Loss rate: 0.48%

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



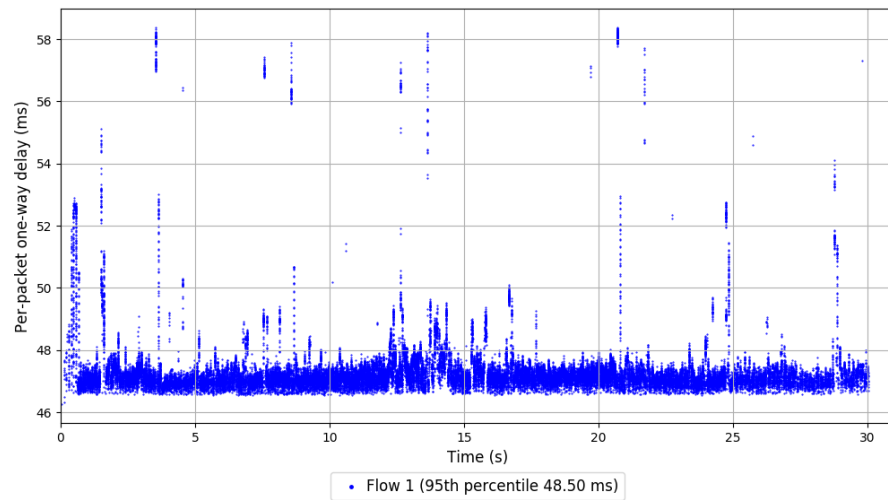
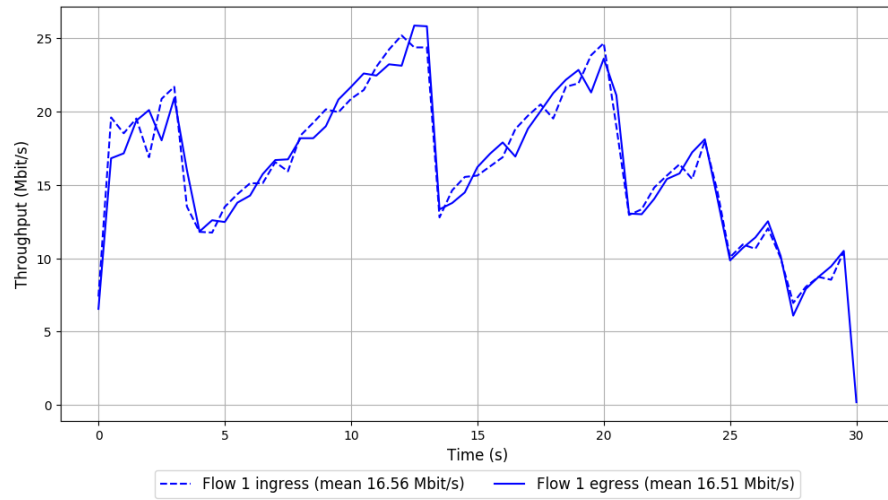
Run 3: Statistics of TCP Vegas

Start at: 2018-01-25 09:53:00  
End at: 2018-01-25 09:53:30  
Local clock offset: -0.102 ms  
Remote clock offset: -4.045 ms

# Below is generated by plot.py at 2018-01-25 12:37:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 16.51 Mbit/s  
95th percentile per-packet one-way delay: 48.496 ms  
Loss rate: 0.32%  
-- Flow 1:  
Average throughput: 16.51 Mbit/s  
95th percentile per-packet one-way delay: 48.496 ms  
Loss rate: 0.32%



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

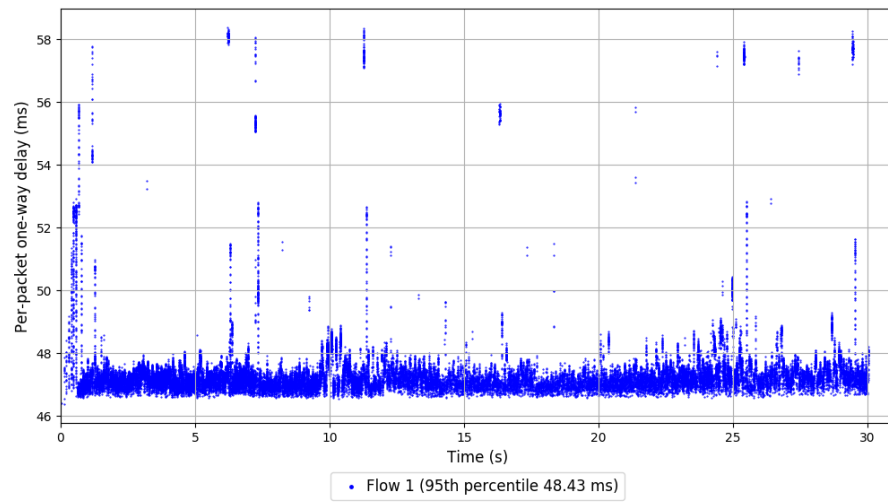
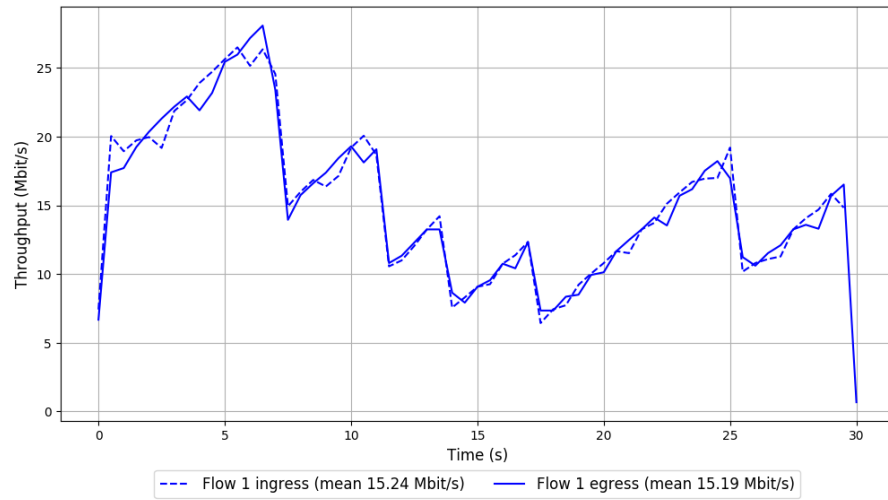


Run 4: Statistics of TCP Vegas

Start at: 2018-01-25 10:12:04  
End at: 2018-01-25 10:12:34  
Local clock offset: -0.306 ms  
Remote clock offset: -5.02 ms

# Below is generated by plot.py at 2018-01-25 12:37:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 15.19 Mbit/s  
95th percentile per-packet one-way delay: 48.427 ms  
Loss rate: 0.37%  
-- Flow 1:  
Average throughput: 15.19 Mbit/s  
95th percentile per-packet one-way delay: 48.427 ms  
Loss rate: 0.37%

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

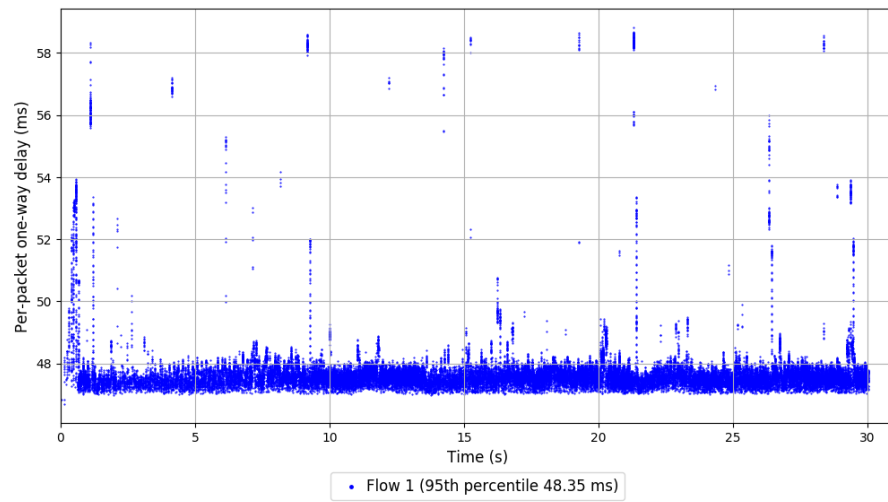
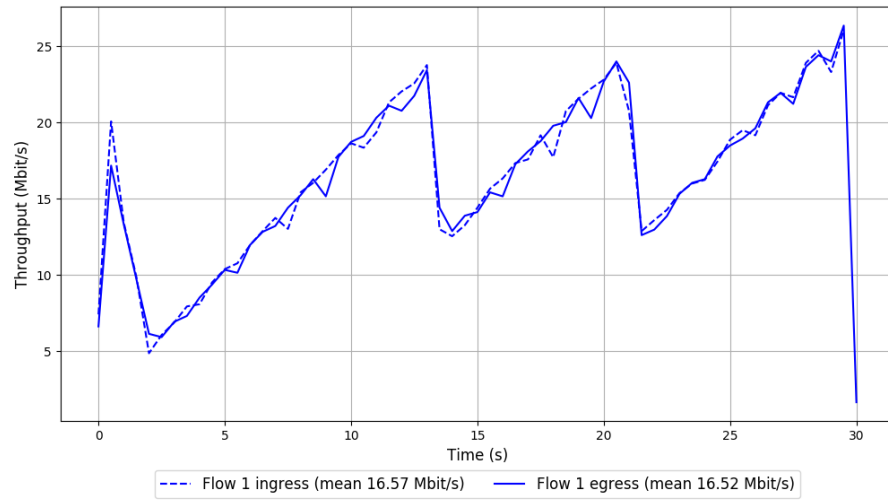


Run 5: Statistics of TCP Vegas

Start at: 2018-01-25 10:31:08  
End at: 2018-01-25 10:31:38  
Local clock offset: -1.006 ms  
Remote clock offset: -5.612 ms

# Below is generated by plot.py at 2018-01-25 12:37:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 16.52 Mbit/s  
95th percentile per-packet one-way delay: 48.355 ms  
Loss rate: 0.32%  
-- Flow 1:  
Average throughput: 16.52 Mbit/s  
95th percentile per-packet one-way delay: 48.355 ms  
Loss rate: 0.32%

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

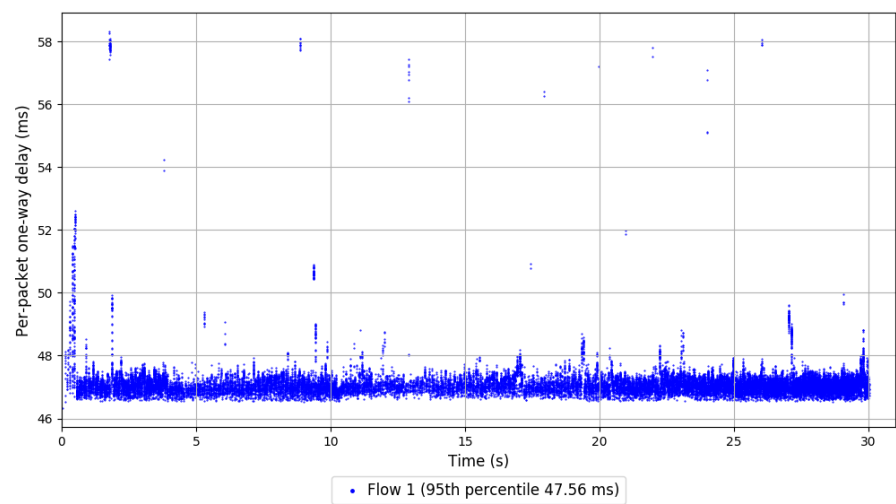
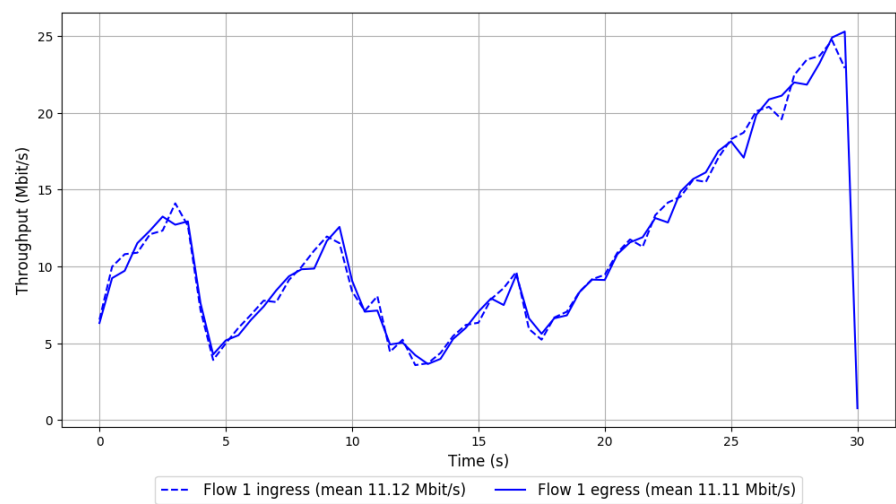


Run 6: Statistics of TCP Vegas

Start at: 2018-01-25 10:50:31  
End at: 2018-01-25 10:51:01  
Local clock offset: -0.273 ms  
Remote clock offset: -5.987 ms

# Below is generated by plot.py at 2018-01-25 12:37:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.11 Mbit/s  
95th percentile per-packet one-way delay: 47.557 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 11.11 Mbit/s  
95th percentile per-packet one-way delay: 47.557 ms  
Loss rate: 0.06%

Run 6: Report of TCP Vegas — Data Link



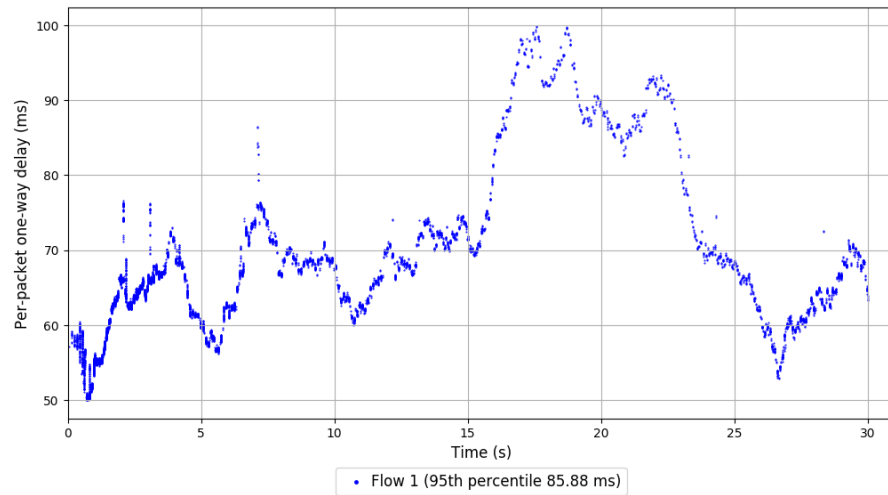
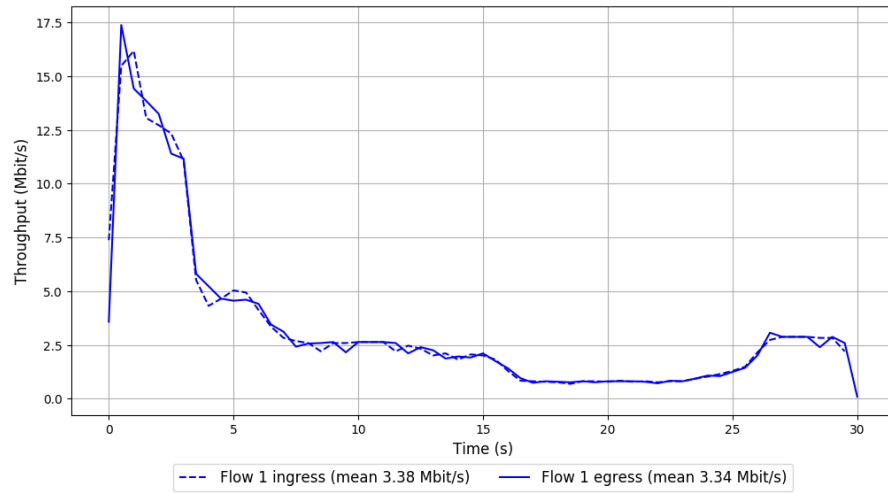
Run 7: Statistics of TCP Vegas

Start at: 2018-01-25 11:09:36  
End at: 2018-01-25 11:10:06  
Local clock offset: -0.813 ms  
Remote clock offset: -5.309 ms

# Below is generated by plot.py at 2018-01-25 12:37:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 3.34 Mbit/s  
95th percentile per-packet one-way delay: 85.883 ms  
Loss rate: 0.95%  
-- Flow 1:  
Average throughput: 3.34 Mbit/s  
95th percentile per-packet one-way delay: 85.883 ms  
Loss rate: 0.95%



## Run 7: Report of TCP Vegas — Data Link

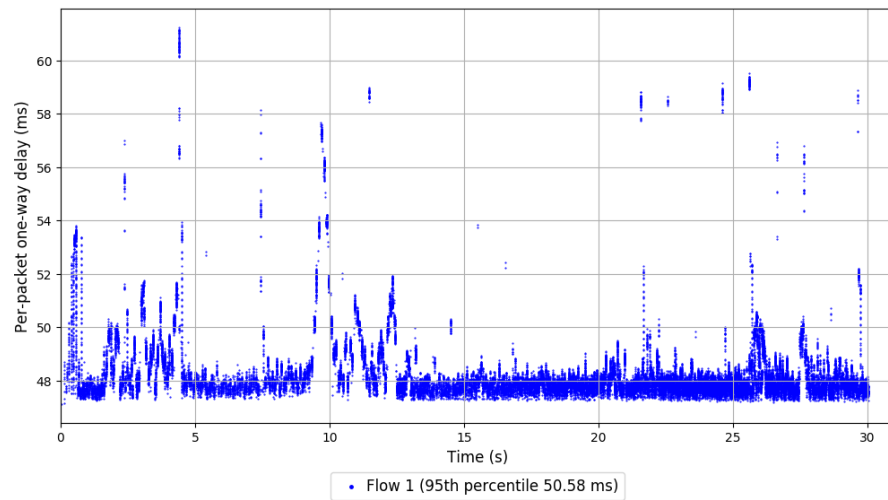
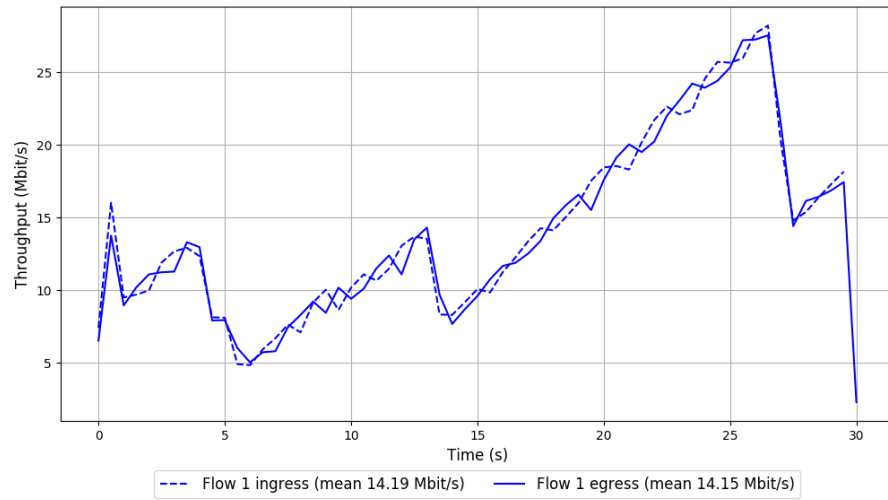


Run 8: Statistics of TCP Vegas

Start at: 2018-01-25 11:28:38  
End at: 2018-01-25 11:29:08  
Local clock offset: -0.943 ms  
Remote clock offset: -4.156 ms

# Below is generated by plot.py at 2018-01-25 12:37:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 14.15 Mbit/s  
95th percentile per-packet one-way delay: 50.575 ms  
Loss rate: 0.26%  
-- Flow 1:  
Average throughput: 14.15 Mbit/s  
95th percentile per-packet one-way delay: 50.575 ms  
Loss rate: 0.26%

### Run 8: Report of TCP Vegas — Data Link

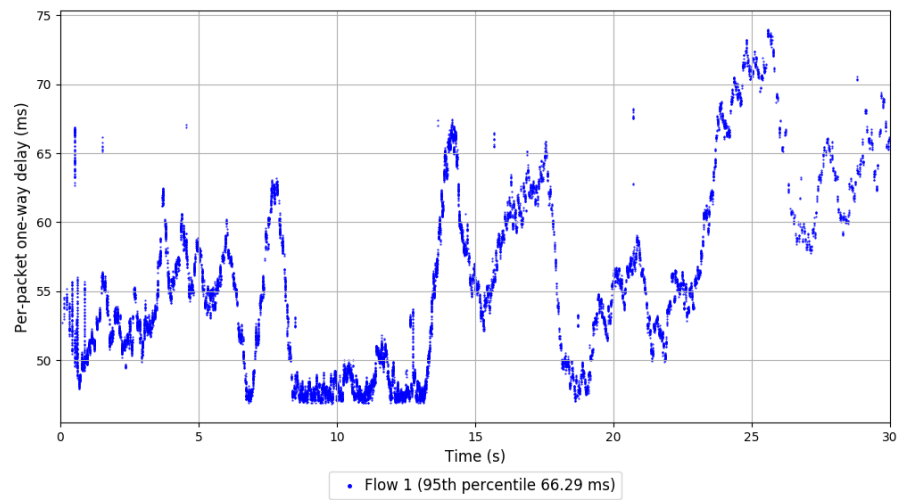
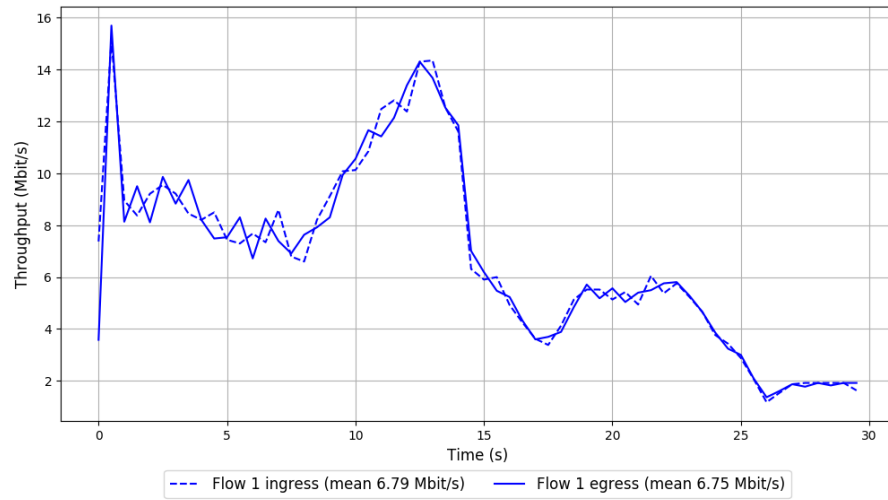


Run 9: Statistics of TCP Vegas

Start at: 2018-01-25 11:47:42  
End at: 2018-01-25 11:48:12  
Local clock offset: -0.695 ms  
Remote clock offset: -2.041 ms

# Below is generated by plot.py at 2018-01-25 12:37:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 6.75 Mbit/s  
95th percentile per-packet one-way delay: 66.294 ms  
Loss rate: 0.67%  
-- Flow 1:  
Average throughput: 6.75 Mbit/s  
95th percentile per-packet one-way delay: 66.294 ms  
Loss rate: 0.67%

### Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

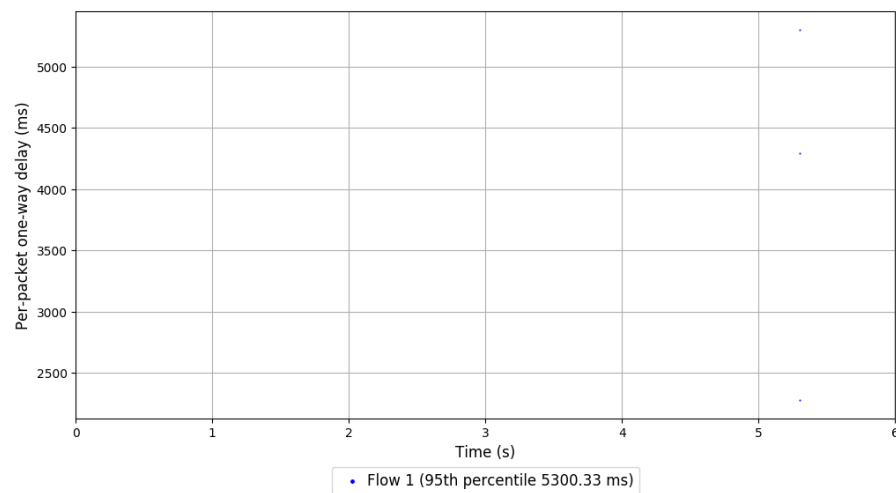
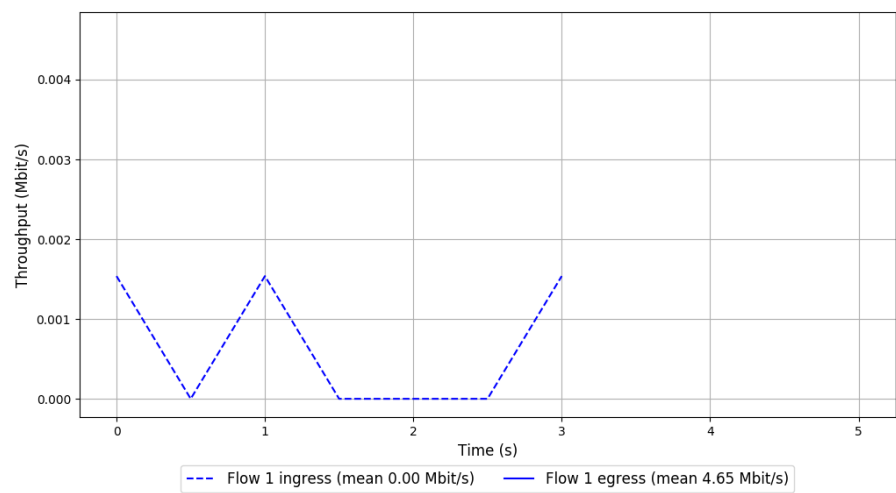
Start at: 2018-01-25 12:06:47

End at: 2018-01-25 12:07:17

Local clock offset: -0.611 ms

Remote clock offset: 0.394 ms

Run 10: Report of TCP Vegas — Data Link



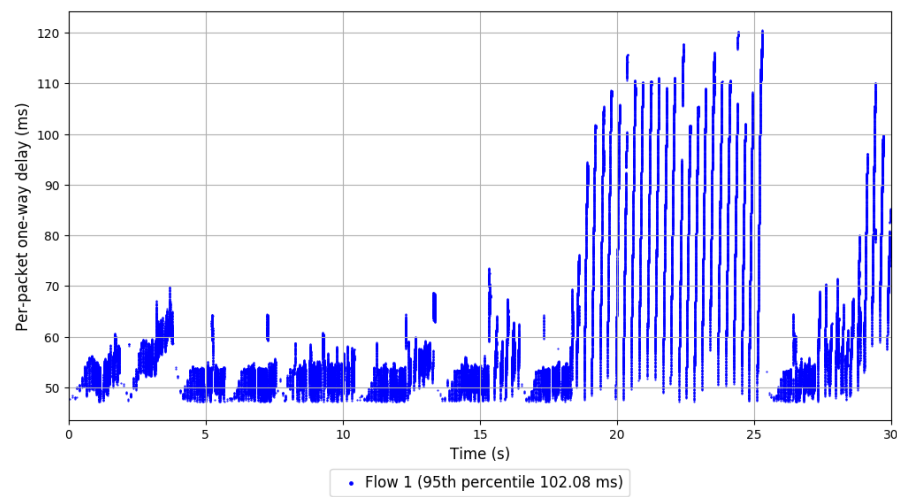
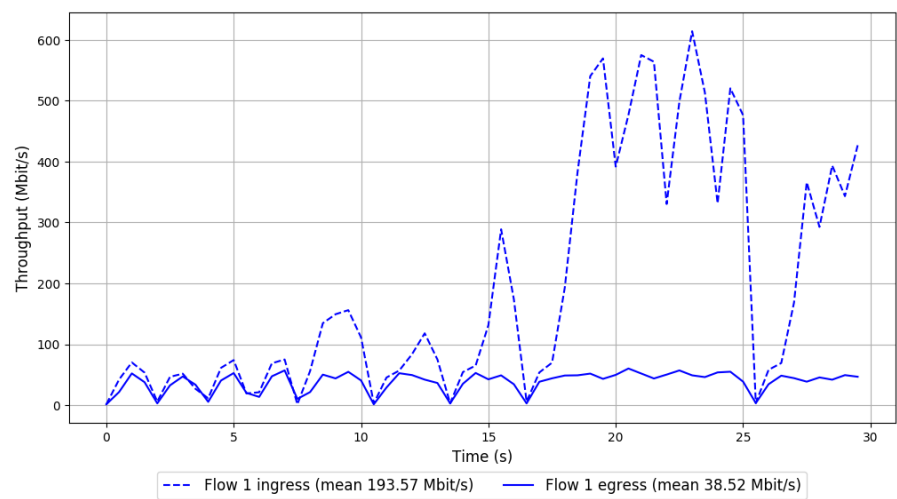
Run 1: Statistics of Verus

Start at: 2018-01-25 09:06:12  
End at: 2018-01-25 09:06:42  
Local clock offset: -0.525 ms  
Remote clock offset: -1.535 ms

# Below is generated by plot.py at 2018-01-25 12:37:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 38.52 Mbit/s  
95th percentile per-packet one-way delay: 102.077 ms  
Loss rate: 80.07%  
-- Flow 1:  
Average throughput: 38.52 Mbit/s  
95th percentile per-packet one-way delay: 102.077 ms  
Loss rate: 80.07%



Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-01-25 09:25:36

End at: 2018-01-25 09:26:06

Local clock offset: -0.342 ms

Remote clock offset: -2.42 ms

# Below is generated by plot.py at 2018-01-25 12:37:39

# Datalink statistics

-- Total of 1 flow:

Average throughput: 41.55 Mbit/s

95th percentile per-packet one-way delay: 116.921 ms

Loss rate: 87.18%

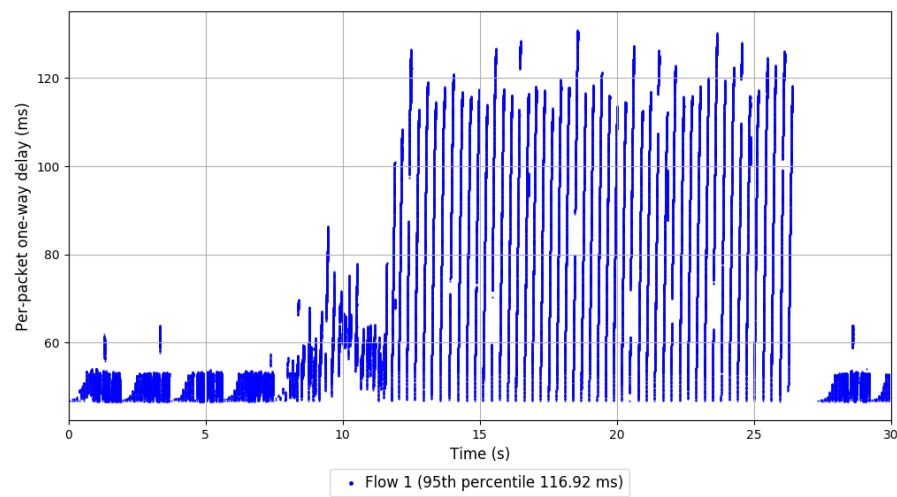
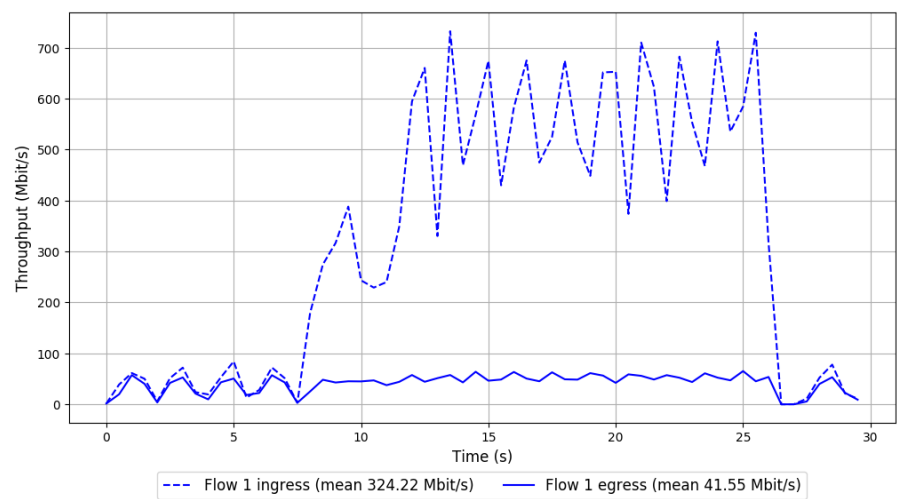
-- Flow 1:

Average throughput: 41.55 Mbit/s

95th percentile per-packet one-way delay: 116.921 ms

Loss rate: 87.18%

Run 2: Report of Verus — Data Link

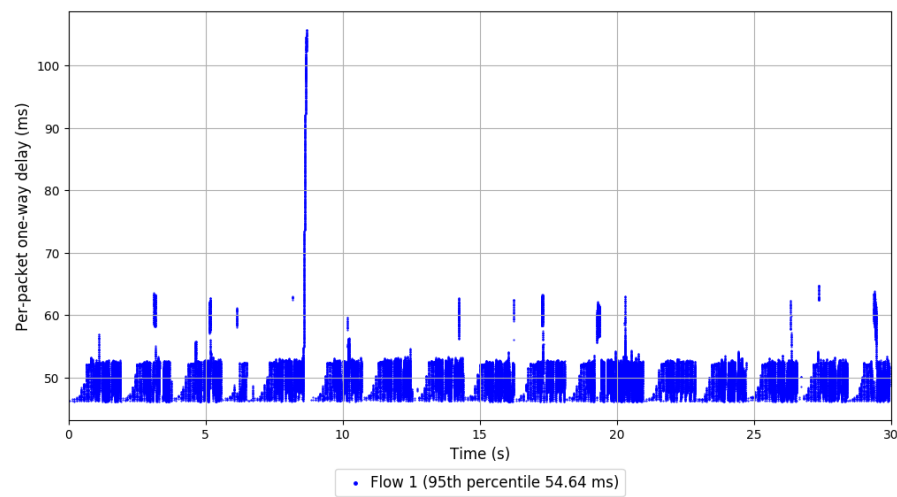
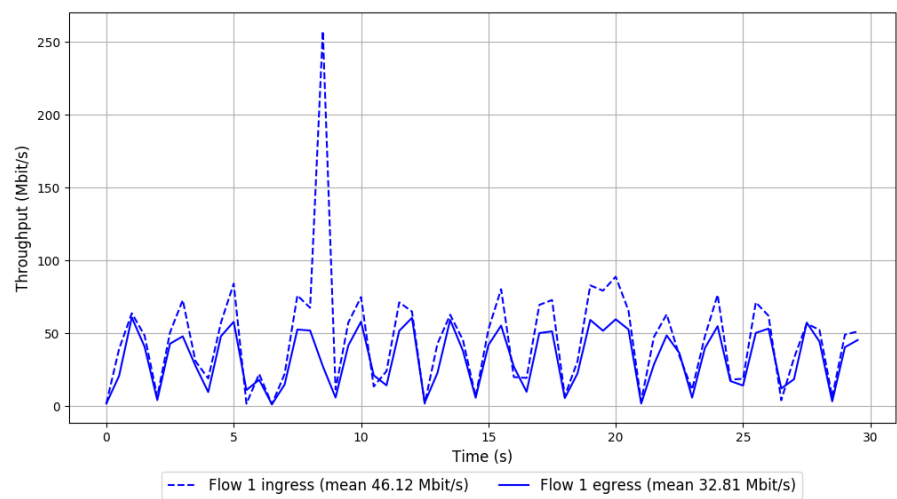


Run 3: Statistics of Verus

Start at: 2018-01-25 09:44:36  
End at: 2018-01-25 09:45:06  
Local clock offset: 0.047 ms  
Remote clock offset: -3.585 ms

# Below is generated by plot.py at 2018-01-25 12:37:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 32.81 Mbit/s  
95th percentile per-packet one-way delay: 54.644 ms  
Loss rate: 28.84%  
-- Flow 1:  
Average throughput: 32.81 Mbit/s  
95th percentile per-packet one-way delay: 54.644 ms  
Loss rate: 28.84%

Run 3: Report of Verus — Data Link

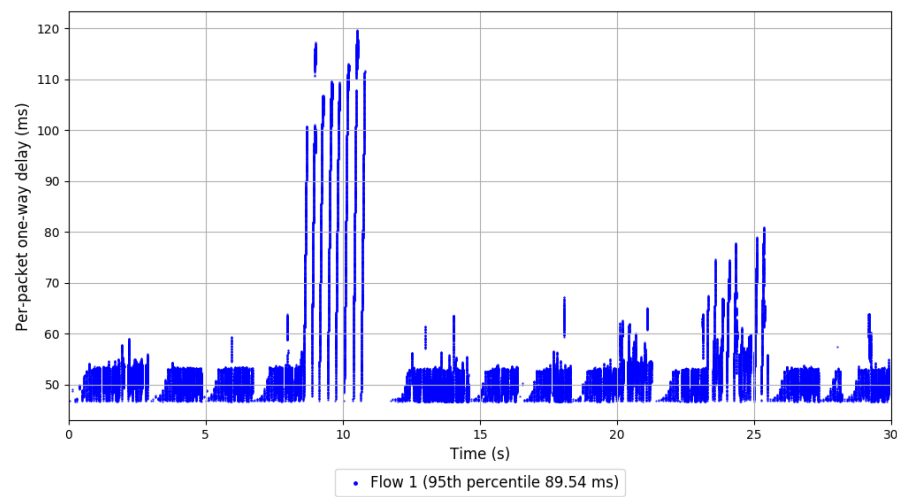
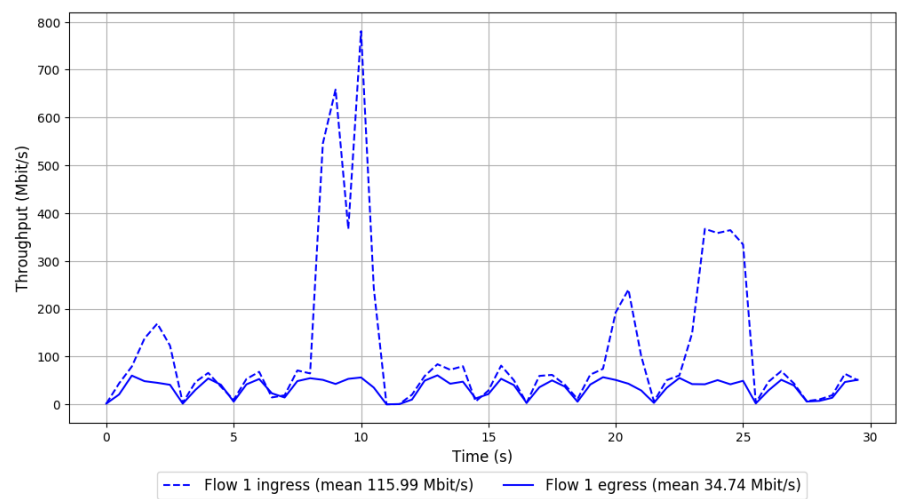


Run 4: Statistics of Verus

Start at: 2018-01-25 10:03:40  
End at: 2018-01-25 10:04:10  
Local clock offset: -0.314 ms  
Remote clock offset: -4.558 ms

# Below is generated by plot.py at 2018-01-25 12:37:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 34.74 Mbit/s  
95th percentile per-packet one-way delay: 89.539 ms  
Loss rate: 70.04%  
-- Flow 1:  
Average throughput: 34.74 Mbit/s  
95th percentile per-packet one-way delay: 89.539 ms  
Loss rate: 70.04%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-01-25 10:22:44

End at: 2018-01-25 10:23:14

Local clock offset: -0.234 ms

Remote clock offset: -5.44 ms

# Below is generated by plot.py at 2018-01-25 12:37:39

# Datalink statistics

-- Total of 1 flow:

Average throughput: 35.03 Mbit/s

95th percentile per-packet one-way delay: 68.461 ms

Loss rate: 70.00%

-- Flow 1:

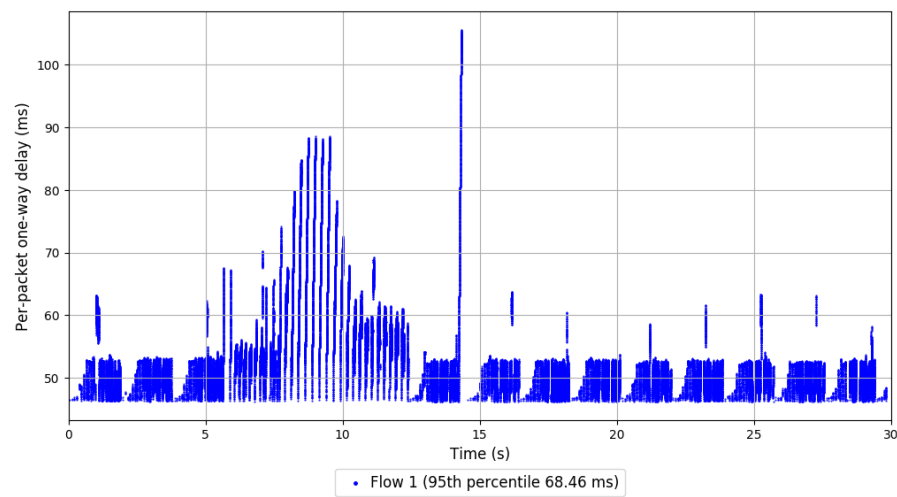
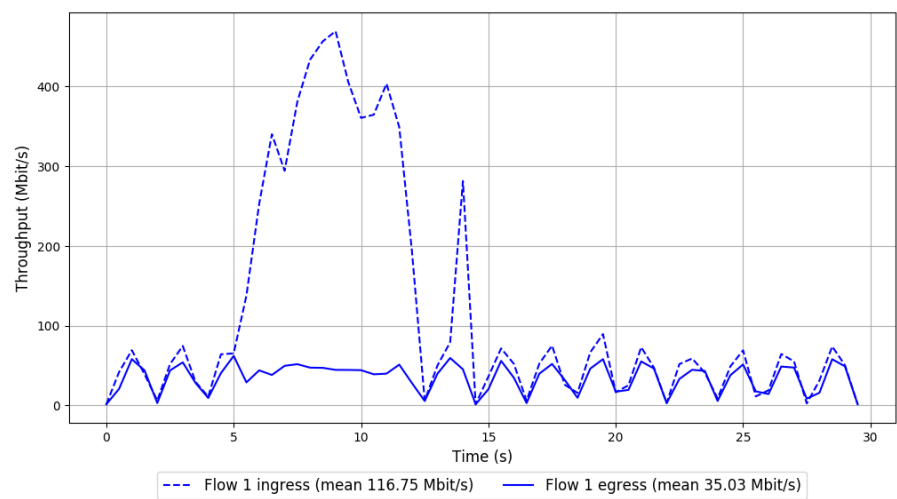
Average throughput: 35.03 Mbit/s

95th percentile per-packet one-way delay: 68.461 ms

Loss rate: 70.00%



Run 5: Report of Verus — Data Link

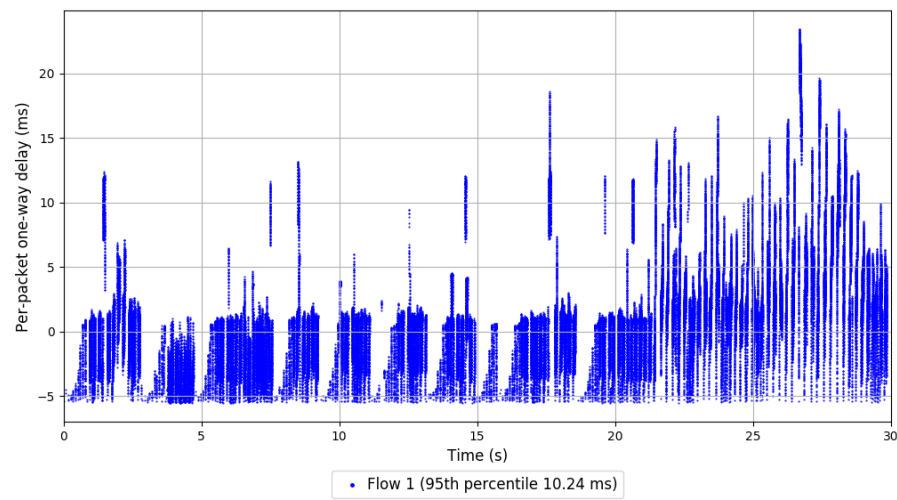
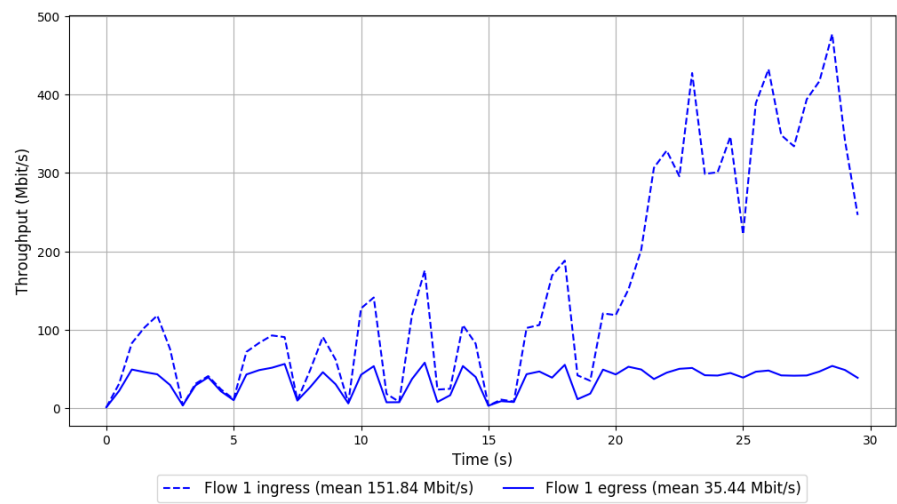


Run 6: Statistics of Verus

Start at: 2018-01-25 10:41:57  
End at: 2018-01-25 10:42:27  
Local clock offset: -0.309 ms  
Remote clock offset: -57.609 ms

# Below is generated by plot.py at 2018-01-25 12:37:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 35.44 Mbit/s  
95th percentile per-packet one-way delay: 10.237 ms  
Loss rate: 76.65%  
-- Flow 1:  
Average throughput: 35.44 Mbit/s  
95th percentile per-packet one-way delay: 10.237 ms  
Loss rate: 76.65%

Run 6: Report of Verus — Data Link

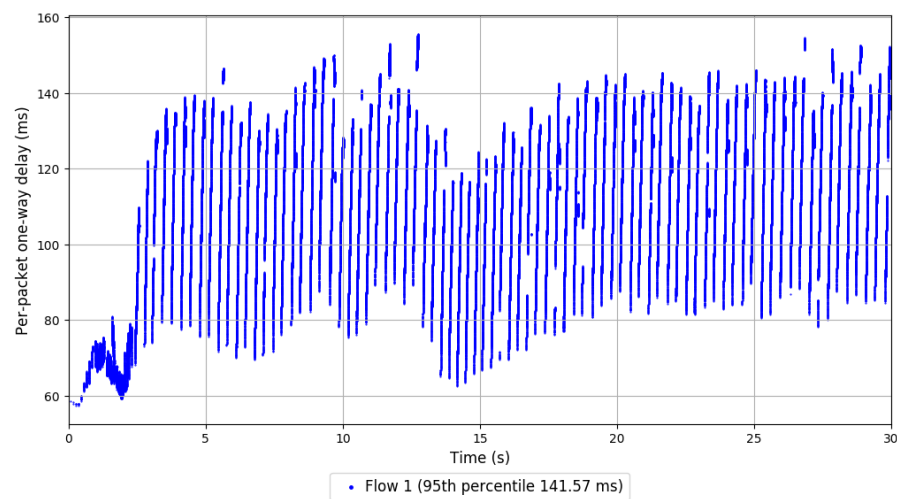
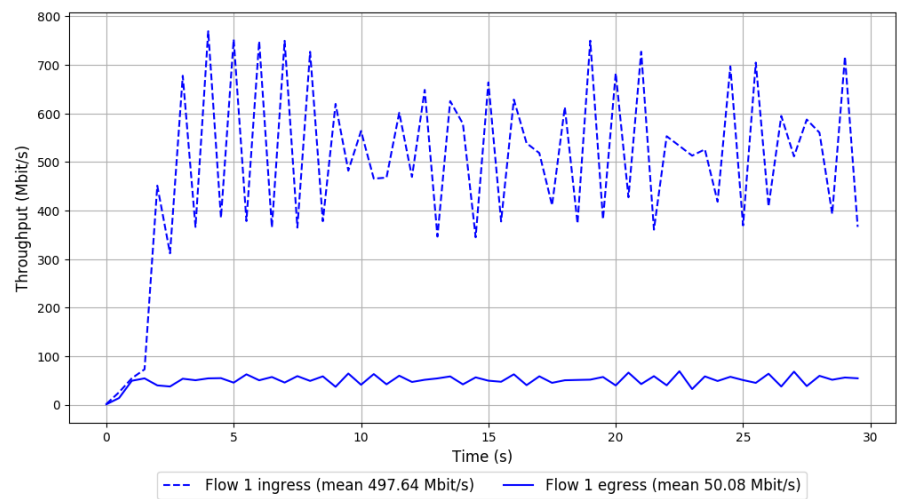


Run 7: Statistics of Verus

Start at: 2018-01-25 11:01:07  
End at: 2018-01-25 11:01:37  
Local clock offset: -0.152 ms  
Remote clock offset: -5.935 ms

# Below is generated by plot.py at 2018-01-25 12:39:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 50.08 Mbit/s  
95th percentile per-packet one-way delay: 141.572 ms  
Loss rate: 89.91%  
-- Flow 1:  
Average throughput: 50.08 Mbit/s  
95th percentile per-packet one-way delay: 141.572 ms  
Loss rate: 89.91%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-01-25 11:20:12

End at: 2018-01-25 11:20:42

Local clock offset: -0.372 ms

Remote clock offset: -4.63 ms

# Below is generated by plot.py at 2018-01-25 12:39:13

# Datalink statistics

-- Total of 1 flow:

Average throughput: 39.99 Mbit/s

95th percentile per-packet one-way delay: 132.027 ms

Loss rate: 85.75%

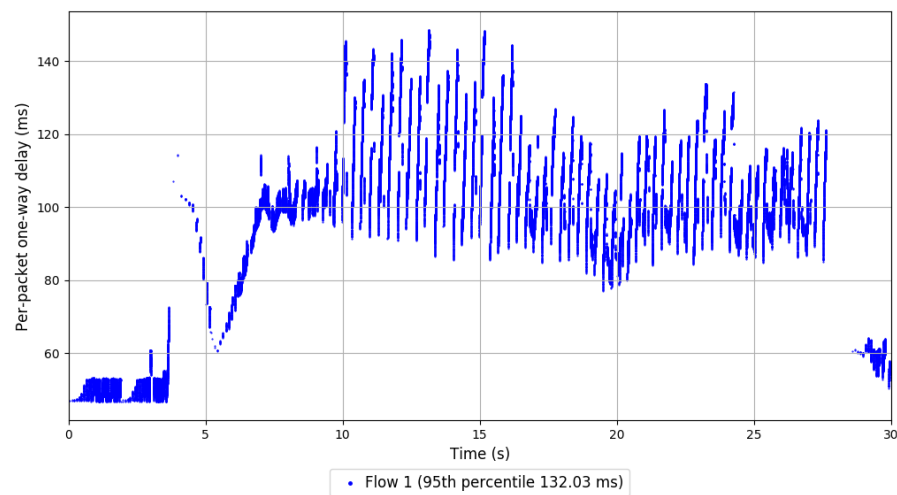
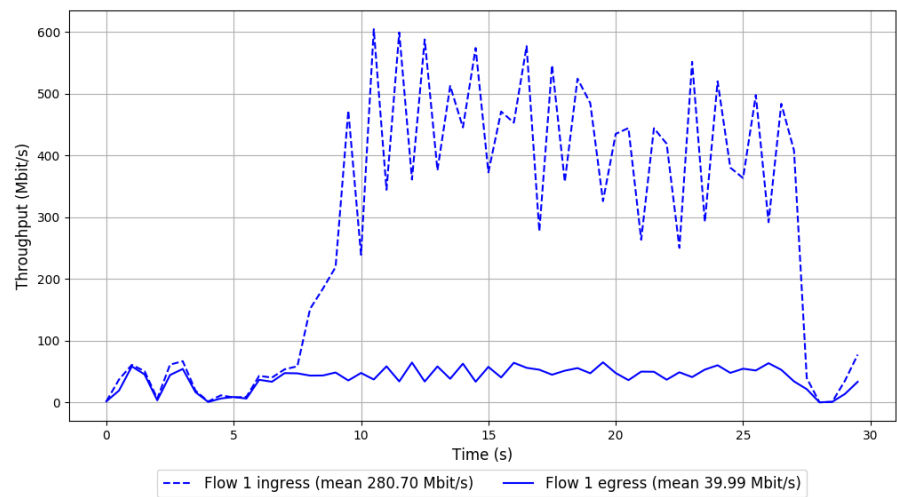
-- Flow 1:

Average throughput: 39.99 Mbit/s

95th percentile per-packet one-way delay: 132.027 ms

Loss rate: 85.75%

Run 8: Report of Verus — Data Link



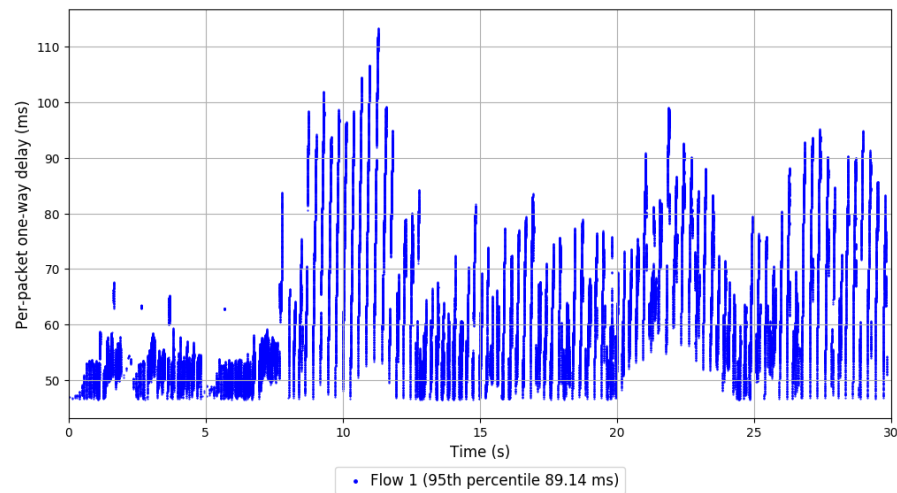
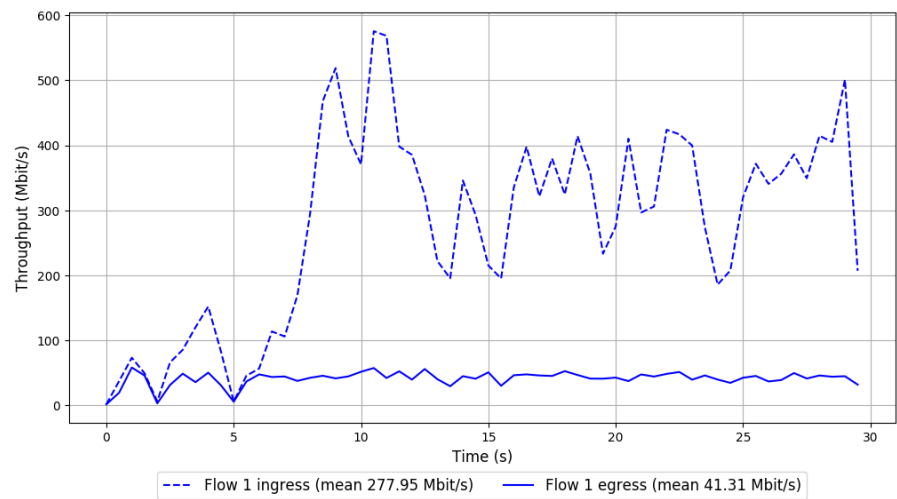
Run 9: Statistics of Verus

Start at: 2018-01-25 11:39:16  
End at: 2018-01-25 11:39:46  
Local clock offset: -0.316 ms  
Remote clock offset: -3.142 ms

# Below is generated by plot.py at 2018-01-25 12:39:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 41.31 Mbit/s  
95th percentile per-packet one-way delay: 89.142 ms  
Loss rate: 85.13%  
-- Flow 1:  
Average throughput: 41.31 Mbit/s  
95th percentile per-packet one-way delay: 89.142 ms  
Loss rate: 85.13%



Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-01-25 11:58:22

End at: 2018-01-25 11:58:52

Local clock offset: -0.54 ms

Remote clock offset: -0.61 ms

# Below is generated by plot.py at 2018-01-25 12:39:13

# Datalink statistics

-- Total of 1 flow:

Average throughput: 34.51 Mbit/s

95th percentile per-packet one-way delay: 102.693 ms

Loss rate: 76.24%

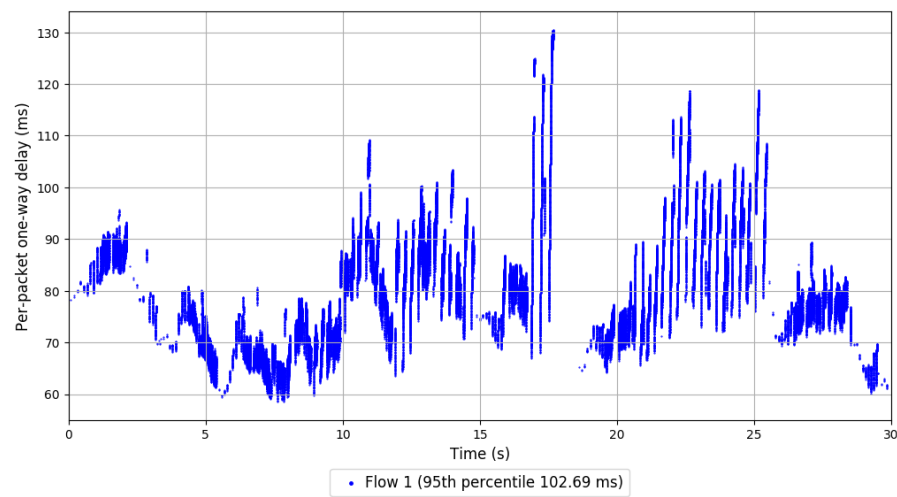
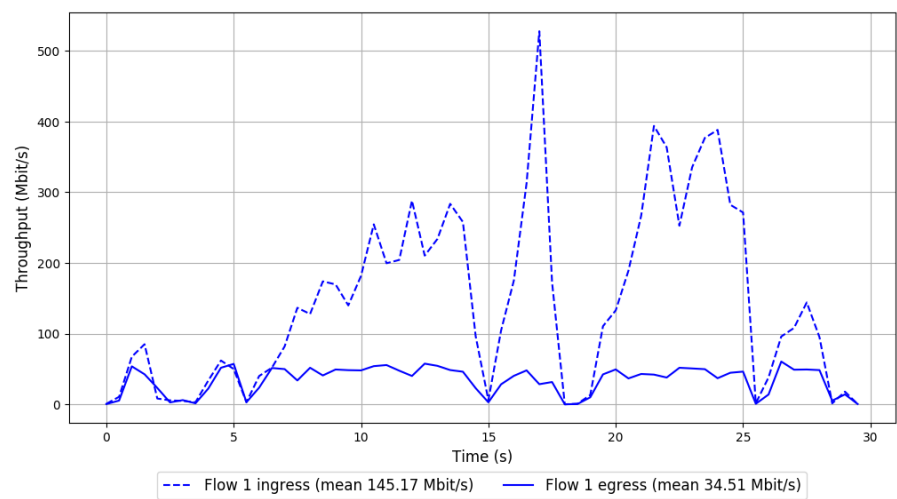
-- Flow 1:

Average throughput: 34.51 Mbit/s

95th percentile per-packet one-way delay: 102.693 ms

Loss rate: 76.24%

Run 10: Report of Verus — Data Link

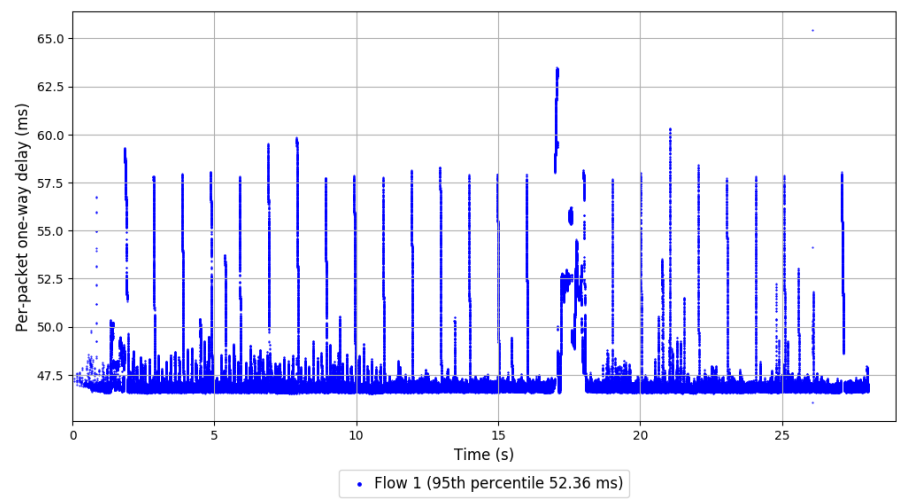
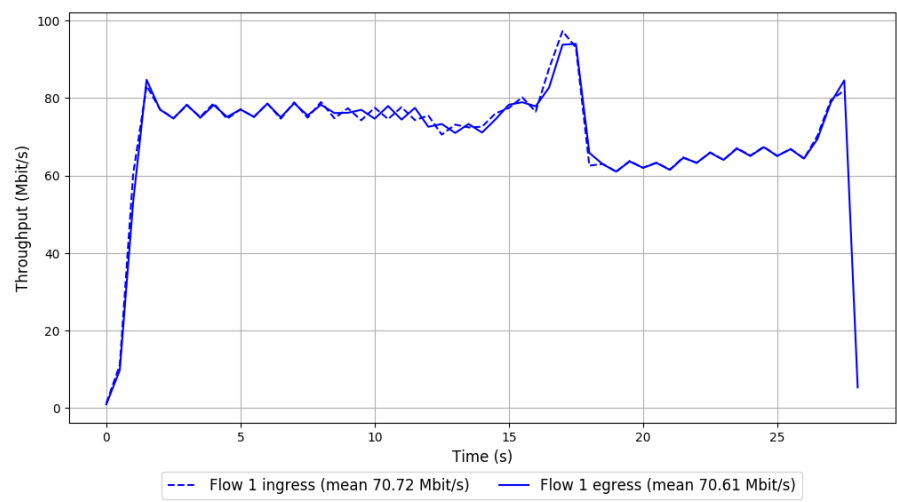


Run 1: Statistics of Copa

Start at: 2018-01-25 09:16:05  
End at: 2018-01-25 09:16:35  
Local clock offset: 0.046 ms  
Remote clock offset: -2.004 ms

# Below is generated by plot.py at 2018-01-25 12:39:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 70.61 Mbit/s  
95th percentile per-packet one-way delay: 52.363 ms  
Loss rate: 0.16%  
-- Flow 1:  
Average throughput: 70.61 Mbit/s  
95th percentile per-packet one-way delay: 52.363 ms  
Loss rate: 0.16%

Run 1: Report of Copa — Data Link

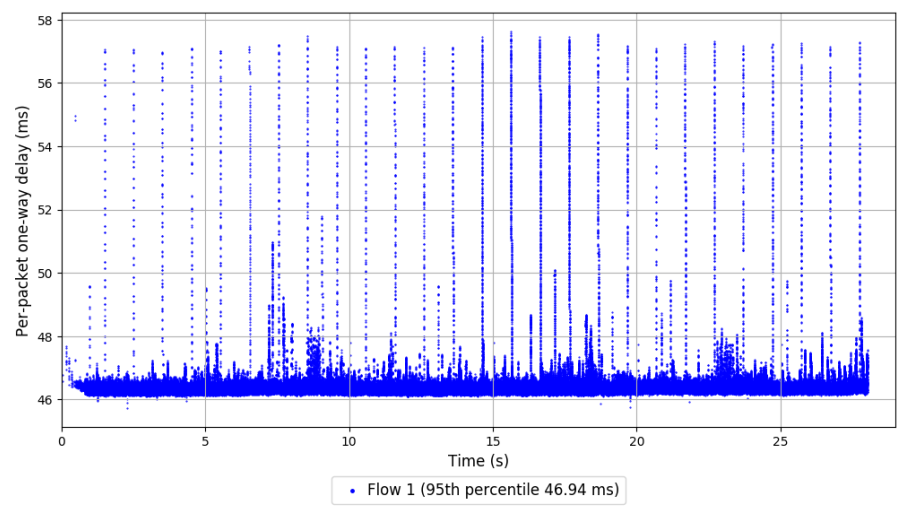
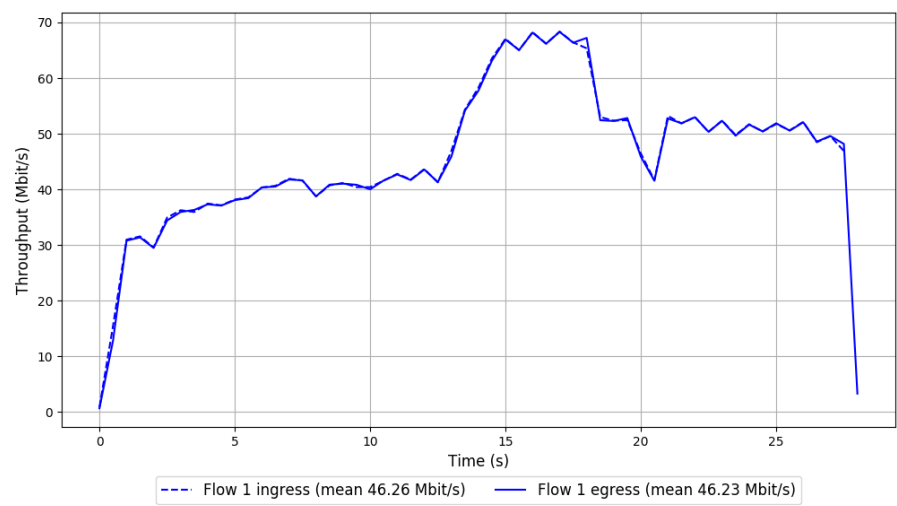


Run 2: Statistics of Copa

Start at: 2018-01-25 09:35:12  
End at: 2018-01-25 09:35:42  
Local clock offset: 0.094 ms  
Remote clock offset: -2.999 ms

# Below is generated by plot.py at 2018-01-25 12:39:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 46.23 Mbit/s  
95th percentile per-packet one-way delay: 46.939 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 46.23 Mbit/s  
95th percentile per-packet one-way delay: 46.939 ms  
Loss rate: 0.07%

Run 2: Report of Copa — Data Link



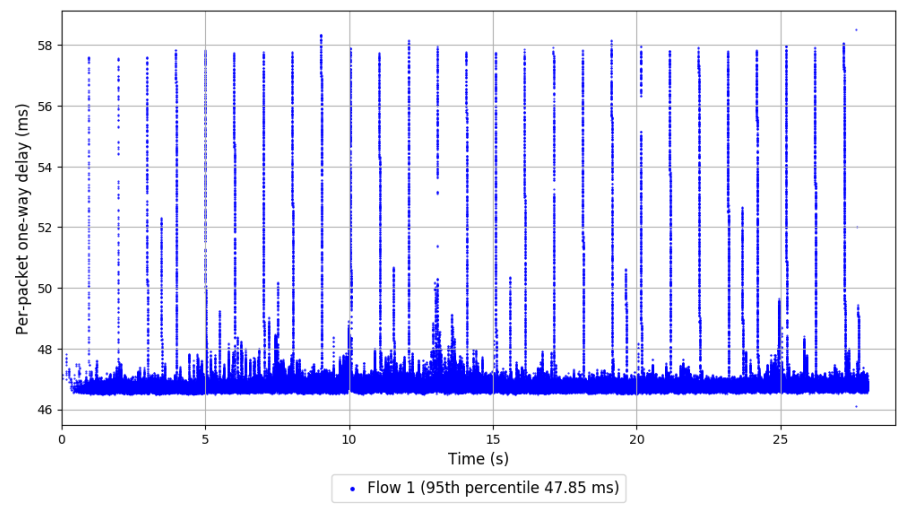
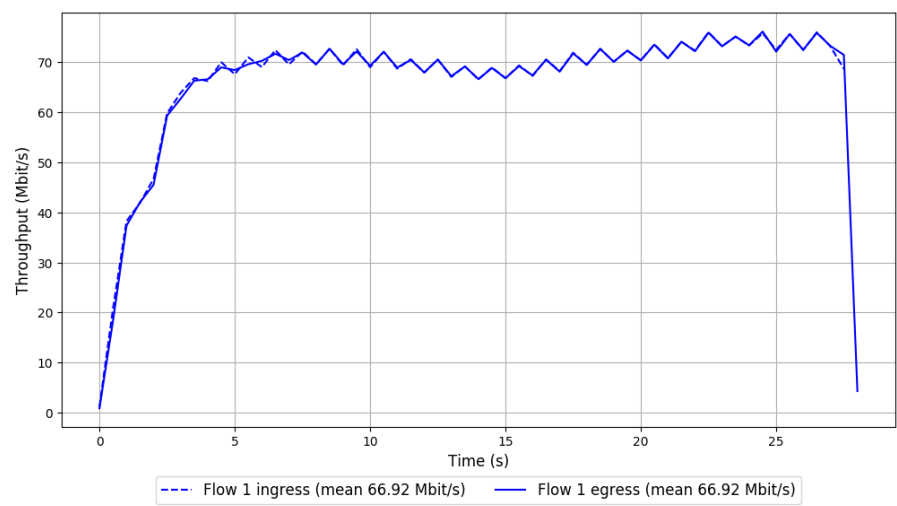
Run 3: Statistics of Copa

Start at: 2018-01-25 09:54:09  
End at: 2018-01-25 09:54:39  
Local clock offset: -0.371 ms  
Remote clock offset: -4.091 ms

# Below is generated by plot.py at 2018-01-25 12:39:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 66.92 Mbit/s  
95th percentile per-packet one-way delay: 47.851 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 66.92 Mbit/s  
95th percentile per-packet one-way delay: 47.851 ms  
Loss rate: 0.01%



Run 3: Report of Copa — Data Link

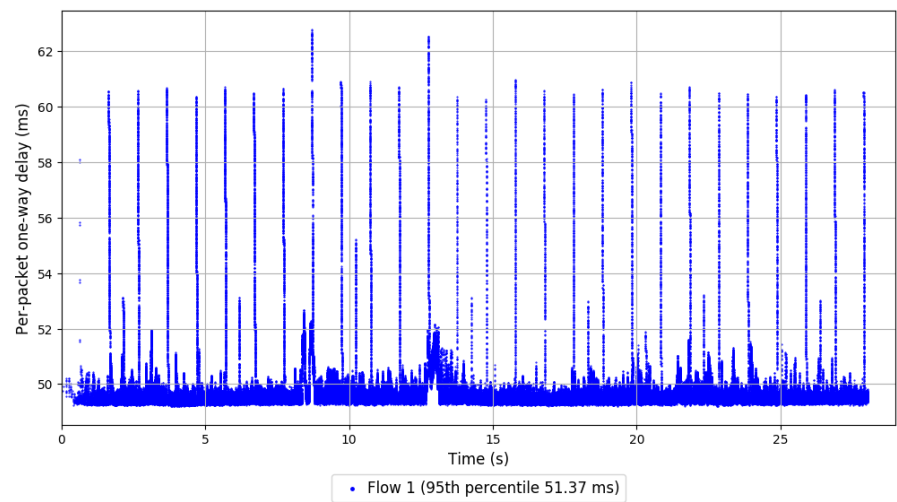
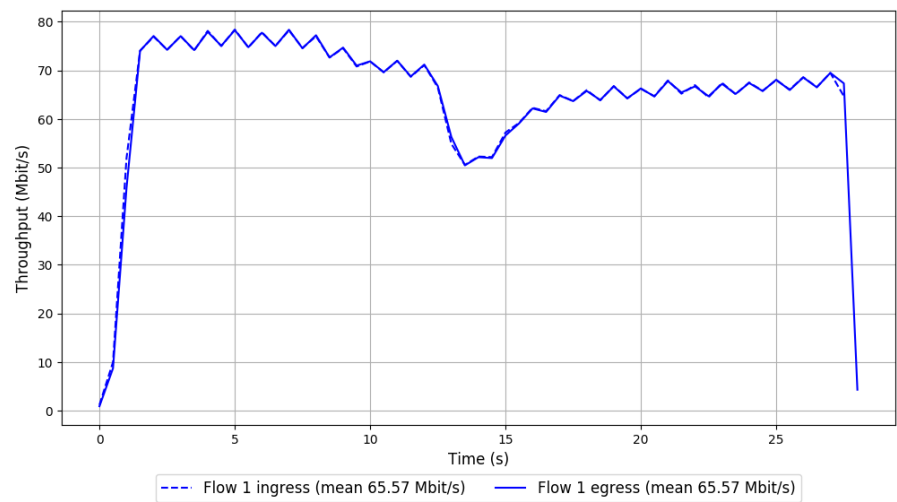


Run 4: Statistics of Copa

Start at: 2018-01-25 10:13:14  
End at: 2018-01-25 10:13:44  
Local clock offset: -2.956 ms  
Remote clock offset: -5.038 ms

# Below is generated by plot.py at 2018-01-25 12:39:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 65.57 Mbit/s  
95th percentile per-packet one-way delay: 51.372 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 65.57 Mbit/s  
95th percentile per-packet one-way delay: 51.372 ms  
Loss rate: 0.01%

Run 4: Report of Copa — Data Link

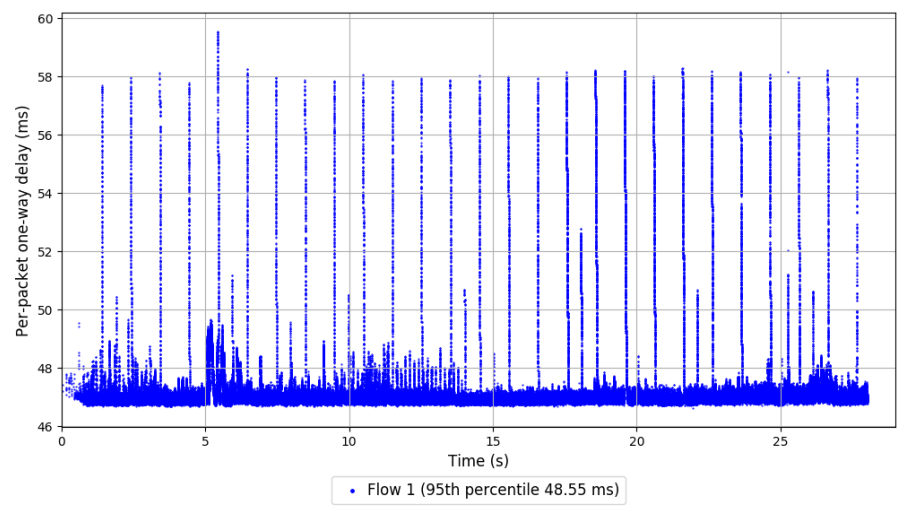
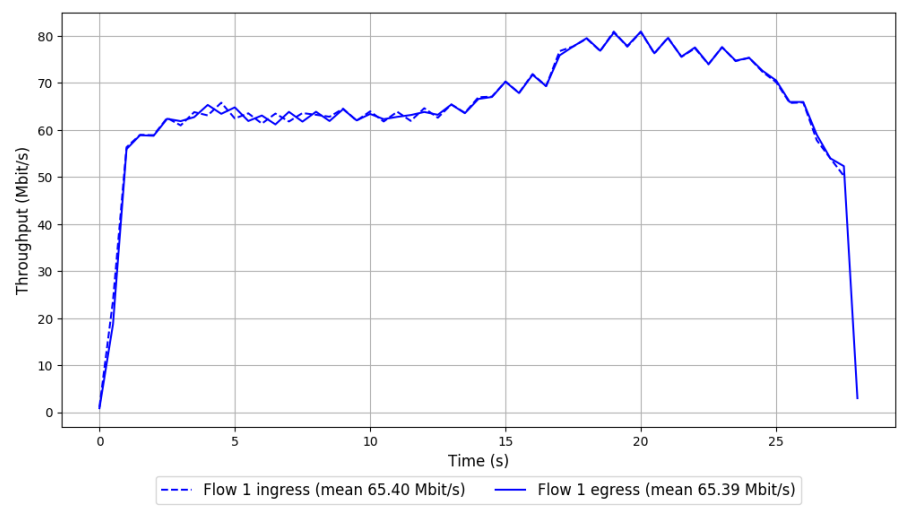


Run 5: Statistics of Copa

Start at: 2018-01-25 10:32:17  
End at: 2018-01-25 10:32:47  
Local clock offset: -0.507 ms  
Remote clock offset: -5.639 ms

# Below is generated by plot.py at 2018-01-25 12:39:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 65.39 Mbit/s  
95th percentile per-packet one-way delay: 48.548 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 65.39 Mbit/s  
95th percentile per-packet one-way delay: 48.548 ms  
Loss rate: 0.01%

Run 5: Report of Copa — Data Link

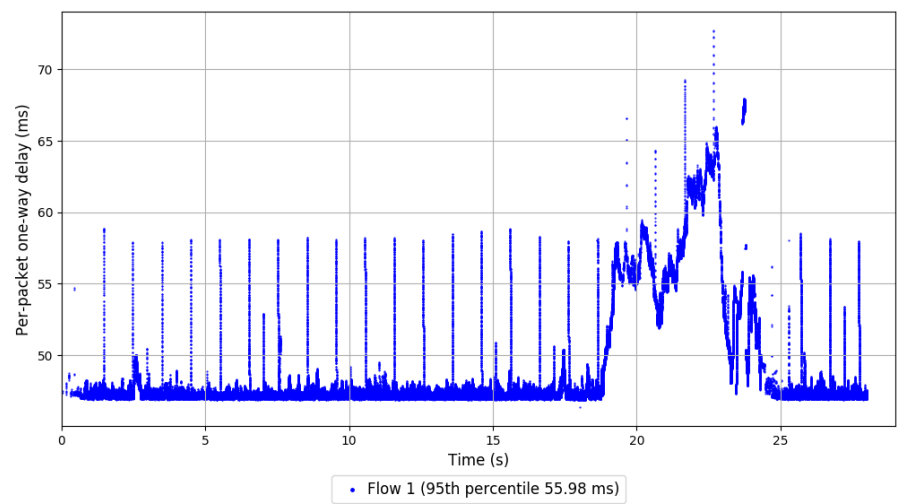
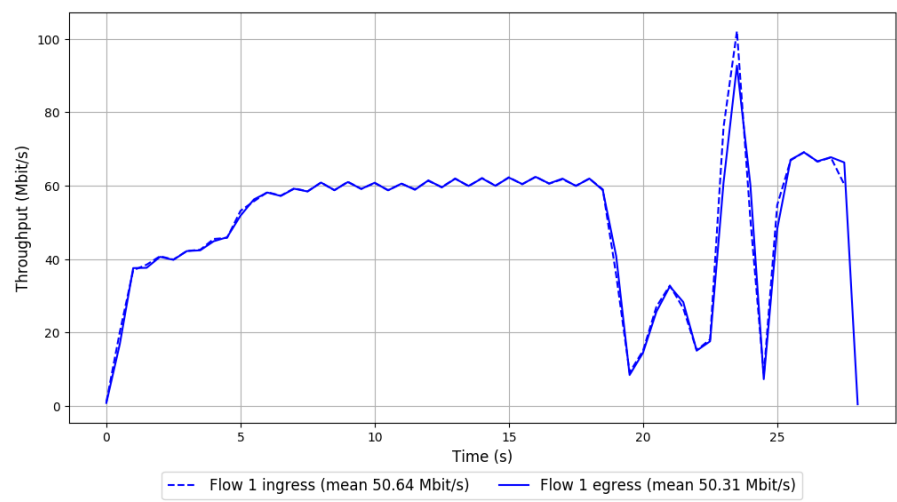


Run 6: Statistics of Copa

Start at: 2018-01-25 10:51:40  
End at: 2018-01-25 10:52:10  
Local clock offset: -0.584 ms  
Remote clock offset: -5.924 ms

# Below is generated by plot.py at 2018-01-25 12:39:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 50.31 Mbit/s  
95th percentile per-packet one-way delay: 55.983 ms  
Loss rate: 0.66%  
-- Flow 1:  
Average throughput: 50.31 Mbit/s  
95th percentile per-packet one-way delay: 55.983 ms  
Loss rate: 0.66%

Run 6: Report of Copa — Data Link



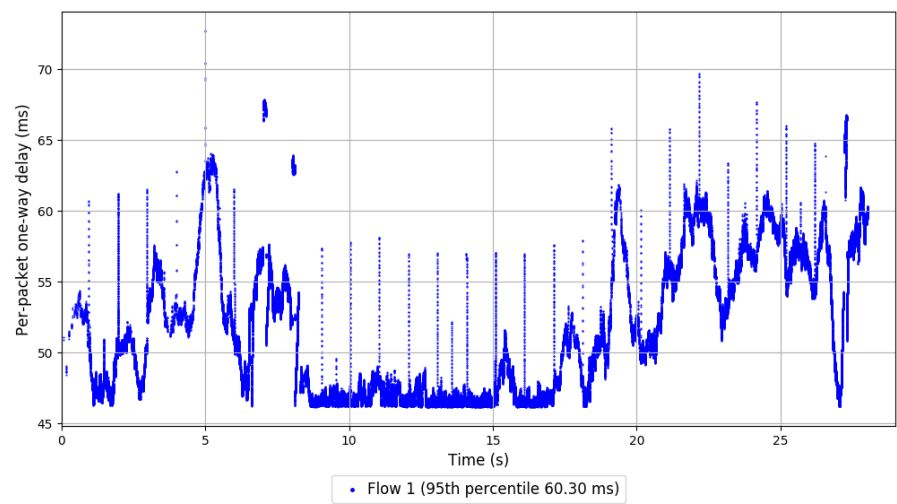
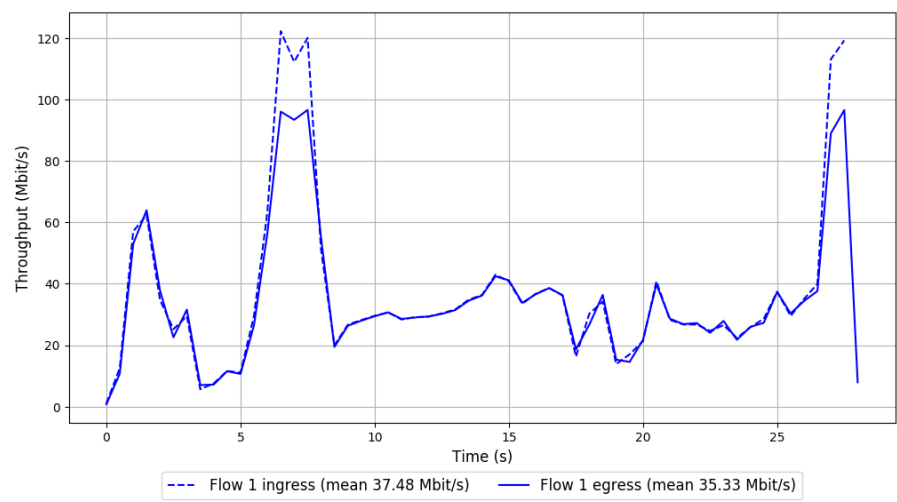
Run 7: Statistics of Copa

Start at: 2018-01-25 11:10:45  
End at: 2018-01-25 11:11:15  
Local clock offset: -0.129 ms  
Remote clock offset: -5.265 ms

# Below is generated by plot.py at 2018-01-25 12:39:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 35.33 Mbit/s  
95th percentile per-packet one-way delay: 60.296 ms  
Loss rate: 5.71%  
-- Flow 1:  
Average throughput: 35.33 Mbit/s  
95th percentile per-packet one-way delay: 60.296 ms  
Loss rate: 5.71%



Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-01-25 11:29:47

End at: 2018-01-25 11:30:17

Local clock offset: -0.384 ms

Remote clock offset: -4.14 ms

# Below is generated by plot.py at 2018-01-25 12:39:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 59.56 Mbit/s

95th percentile per-packet one-way delay: 48.819 ms

Loss rate: 0.02%

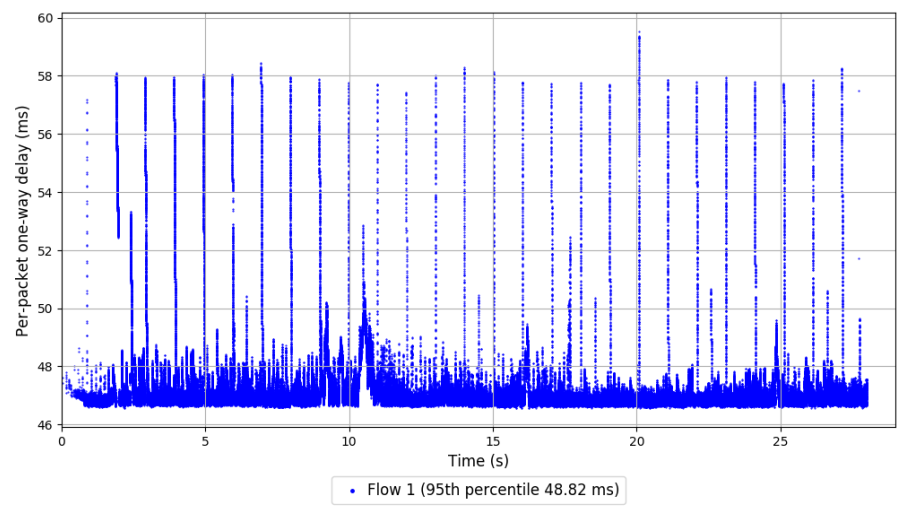
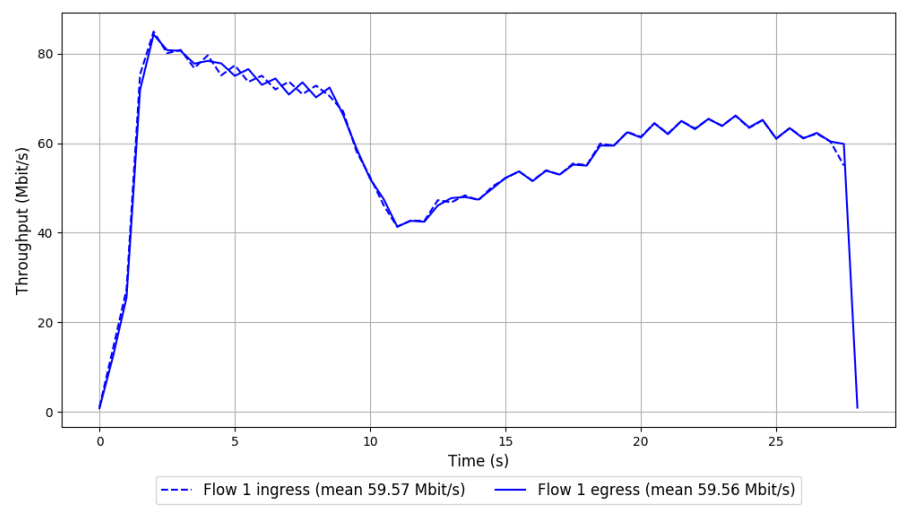
-- Flow 1:

Average throughput: 59.56 Mbit/s

95th percentile per-packet one-way delay: 48.819 ms

Loss rate: 0.02%

Run 8: Report of Copa — Data Link

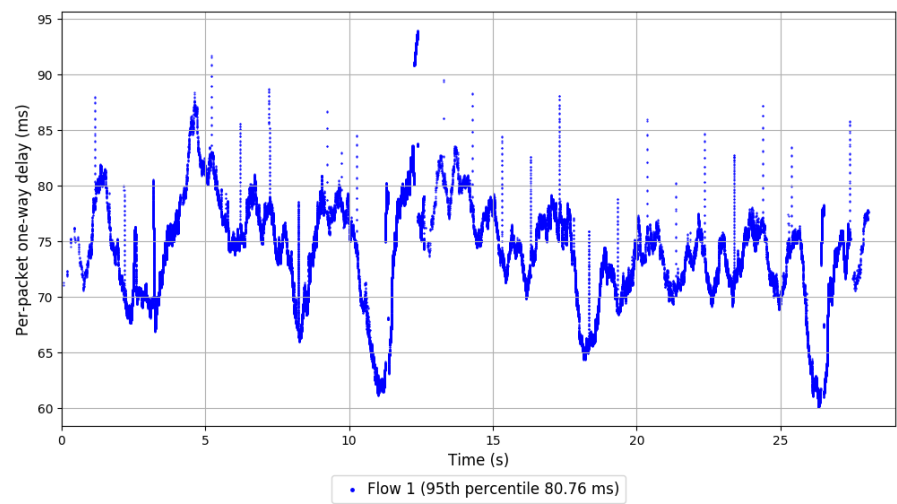
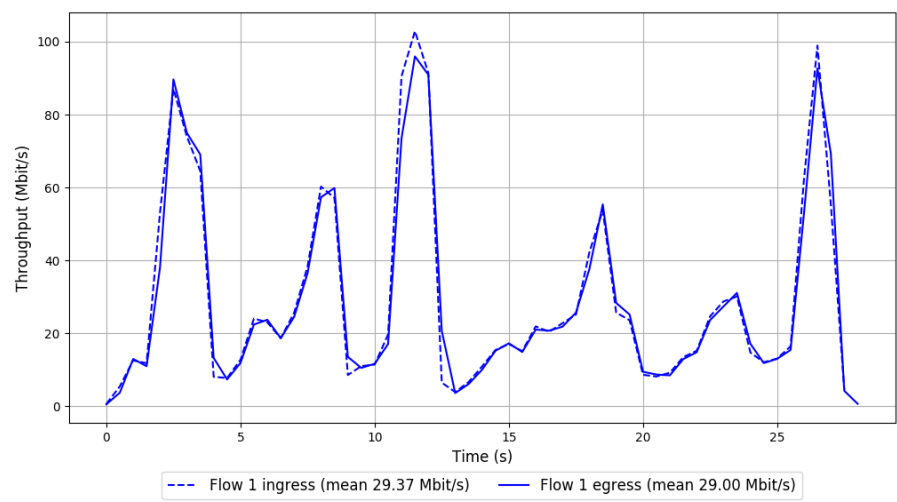


Run 9: Statistics of Copa

Start at: 2018-01-25 11:48:51  
End at: 2018-01-25 11:49:21  
Local clock offset: -0.451 ms  
Remote clock offset: -1.894 ms

# Below is generated by plot.py at 2018-01-25 12:39:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 29.00 Mbit/s  
95th percentile per-packet one-way delay: 80.764 ms  
Loss rate: 1.29%  
-- Flow 1:  
Average throughput: 29.00 Mbit/s  
95th percentile per-packet one-way delay: 80.764 ms  
Loss rate: 1.29%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

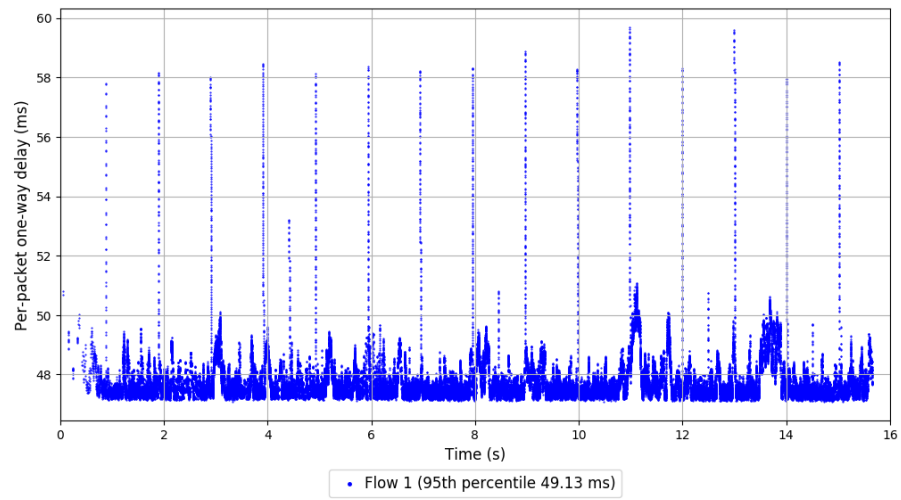
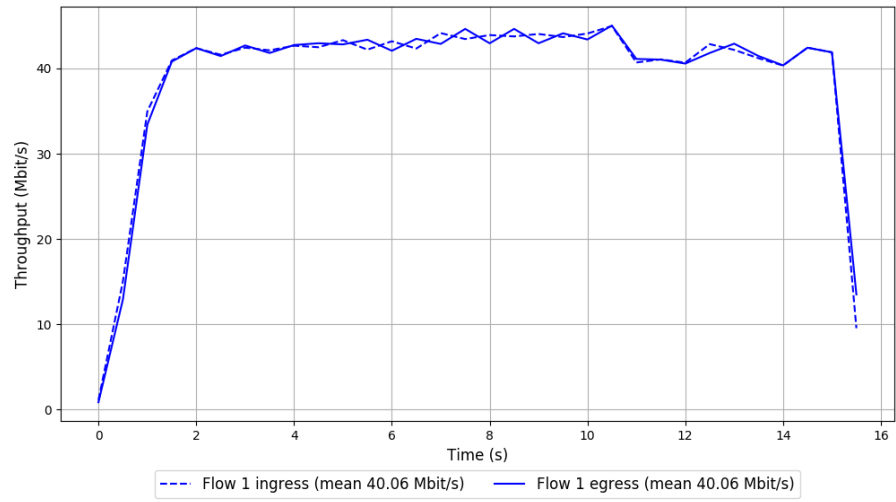
Start at: 2018-01-25 12:07:55

End at: 2018-01-25 12:08:25

Local clock offset: -1.223 ms

Remote clock offset: 0.517 ms

# Run 10: Report of Copa — Data Link



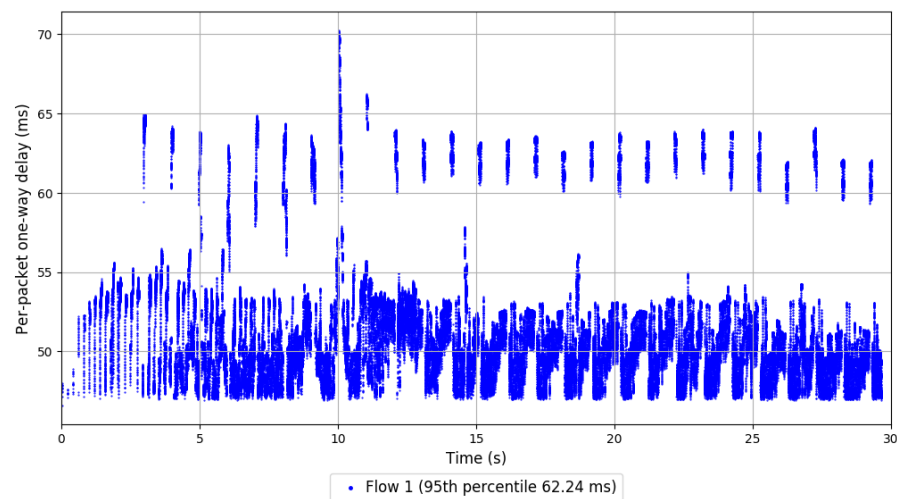
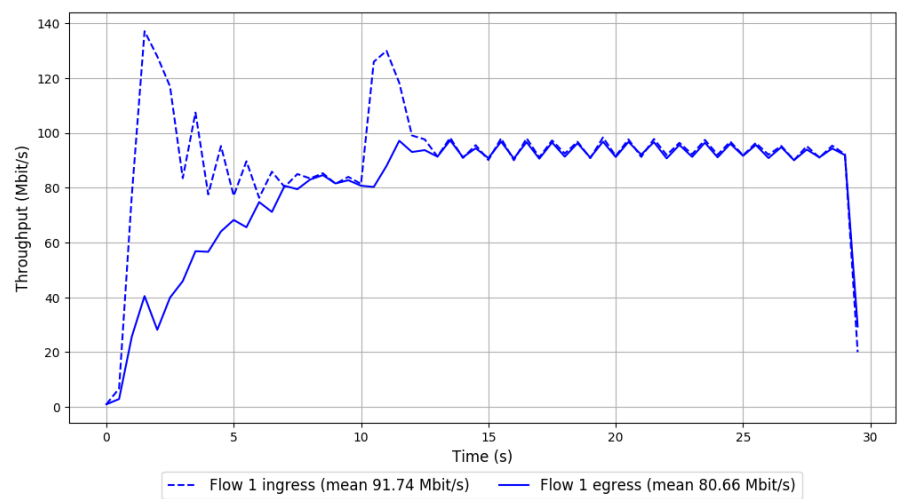
```
Run 1: Statistics of Indigo-2-256

Start at: 2018-01-25 09:09:53
End at: 2018-01-25 09:10:23
Local clock offset: -0.522 ms
Remote clock offset: -1.69 ms

# Below is generated by plot.py at 2018-01-25 12:40:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.66 Mbit/s
95th percentile per-packet one-way delay: 62.236 ms
Loss rate: 12.06%
-- Flow 1:
Average throughput: 80.66 Mbit/s
95th percentile per-packet one-way delay: 62.236 ms
Loss rate: 12.06%
```



Run 1: Report of Indigo-2-256 — Data Link

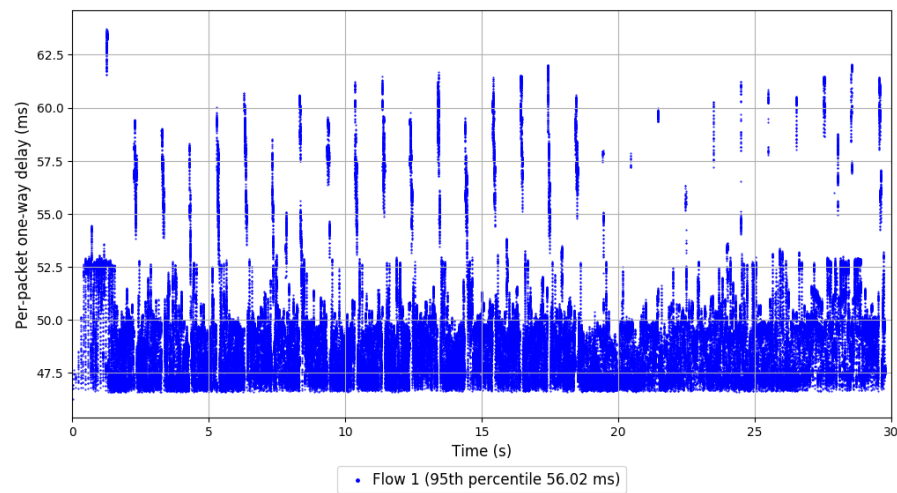
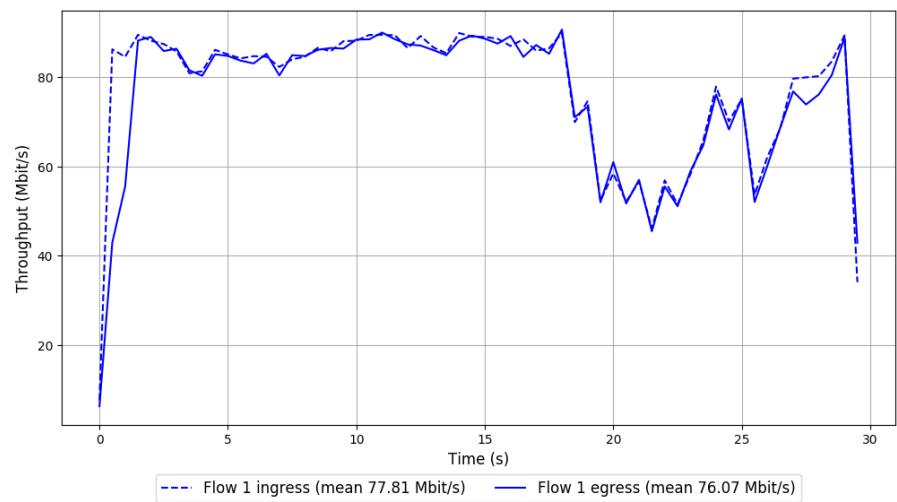


Run 2: Statistics of Indigo-2-256

Start at: 2018-01-25 09:29:12  
End at: 2018-01-25 09:29:42  
Local clock offset: -0.067 ms  
Remote clock offset: -2.576 ms

# Below is generated by plot.py at 2018-01-25 12:40:25  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 76.07 Mbit/s  
95th percentile per-packet one-way delay: 56.020 ms  
Loss rate: 2.23%  
-- Flow 1:  
Average throughput: 76.07 Mbit/s  
95th percentile per-packet one-way delay: 56.020 ms  
Loss rate: 2.23%

Run 2: Report of Indigo-2-256 — Data Link

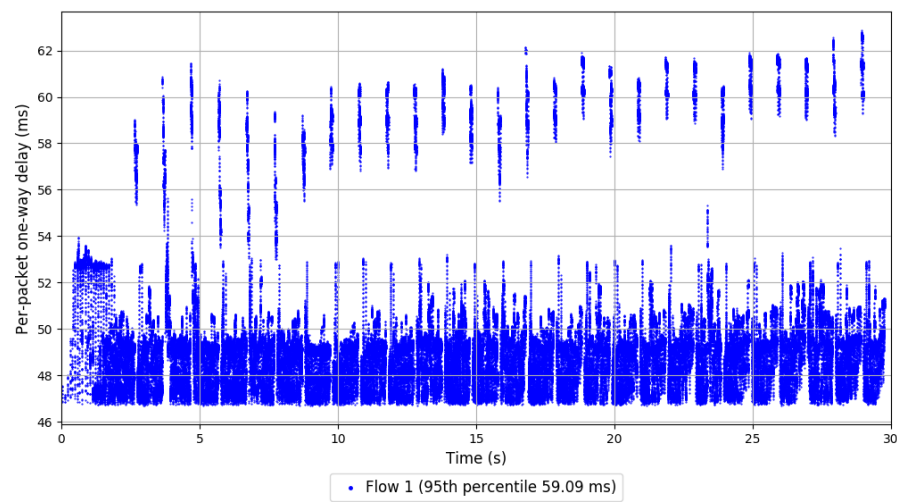
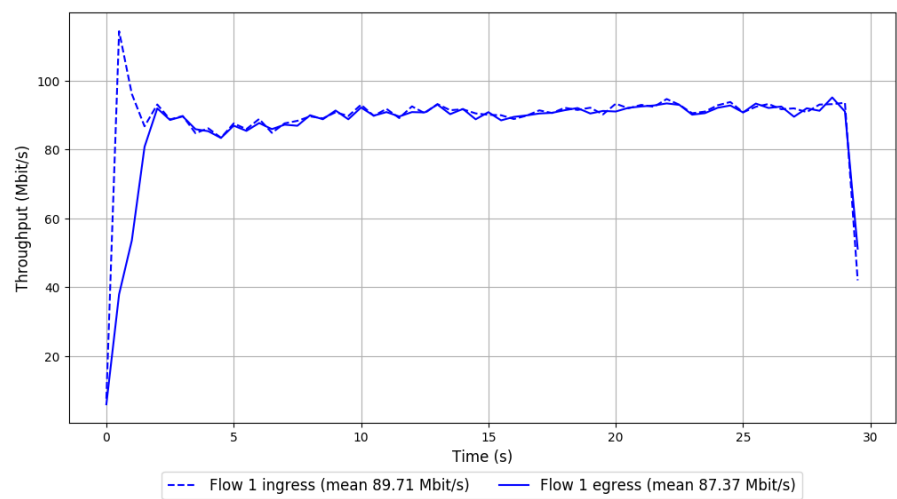


Run 3: Statistics of Indigo-2-256

Start at: 2018-01-25 09:48:07  
End at: 2018-01-25 09:48:38  
Local clock offset: -0.282 ms  
Remote clock offset: -3.835 ms

# Below is generated by plot.py at 2018-01-25 12:40:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.37 Mbit/s  
95th percentile per-packet one-way delay: 59.095 ms  
Loss rate: 2.60%  
-- Flow 1:  
Average throughput: 87.37 Mbit/s  
95th percentile per-packet one-way delay: 59.095 ms  
Loss rate: 2.60%

Run 3: Report of Indigo-2-256 — Data Link

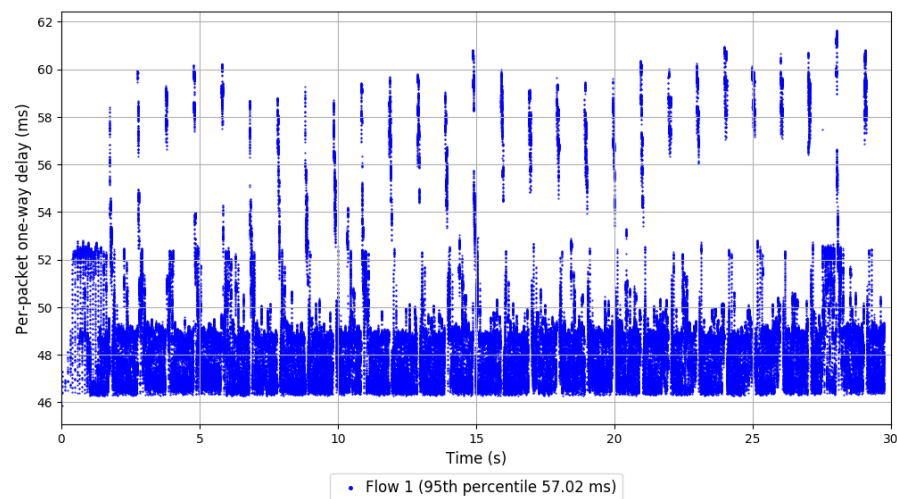
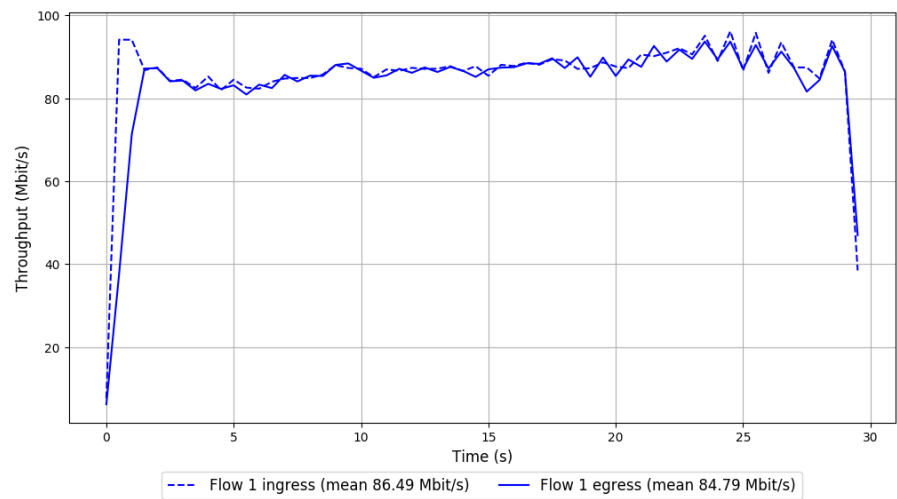


Run 4: Statistics of Indigo-2-256

Start at: 2018-01-25 10:07:12  
End at: 2018-01-25 10:07:42  
Local clock offset: -0.242 ms  
Remote clock offset: -4.762 ms

# Below is generated by plot.py at 2018-01-25 12:40:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.79 Mbit/s  
95th percentile per-packet one-way delay: 57.015 ms  
Loss rate: 1.96%  
-- Flow 1:  
Average throughput: 84.79 Mbit/s  
95th percentile per-packet one-way delay: 57.015 ms  
Loss rate: 1.96%

Run 4: Report of Indigo-2-256 — Data Link



Run 5: Statistics of Indigo-2-256

Start at: 2018-01-25 10:26:16

End at: 2018-01-25 10:26:46

Local clock offset: -0.832 ms

Remote clock offset: -5.56 ms

# Below is generated by plot.py at 2018-01-25 12:40:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.75 Mbit/s

95th percentile per-packet one-way delay: 57.605 ms

Loss rate: 2.09%

-- Flow 1:

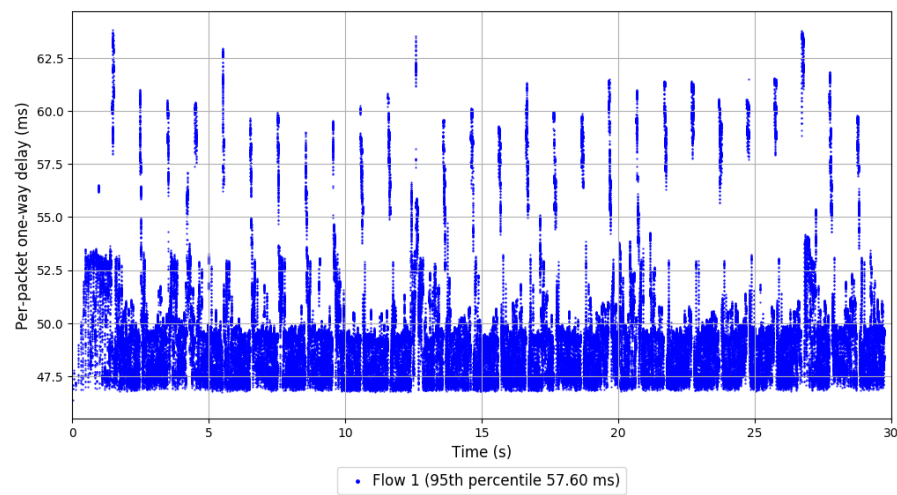
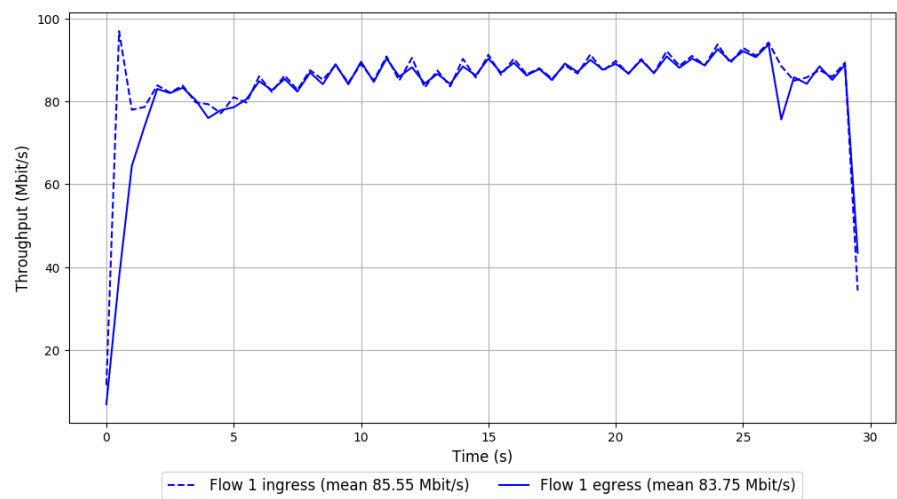
Average throughput: 83.75 Mbit/s

95th percentile per-packet one-way delay: 57.605 ms

Loss rate: 2.09%



Run 5: Report of Indigo-2-256 — Data Link

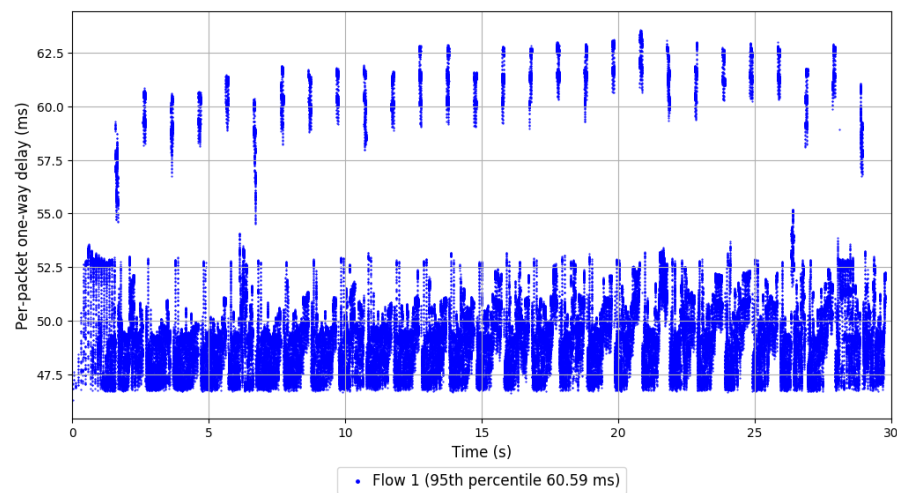
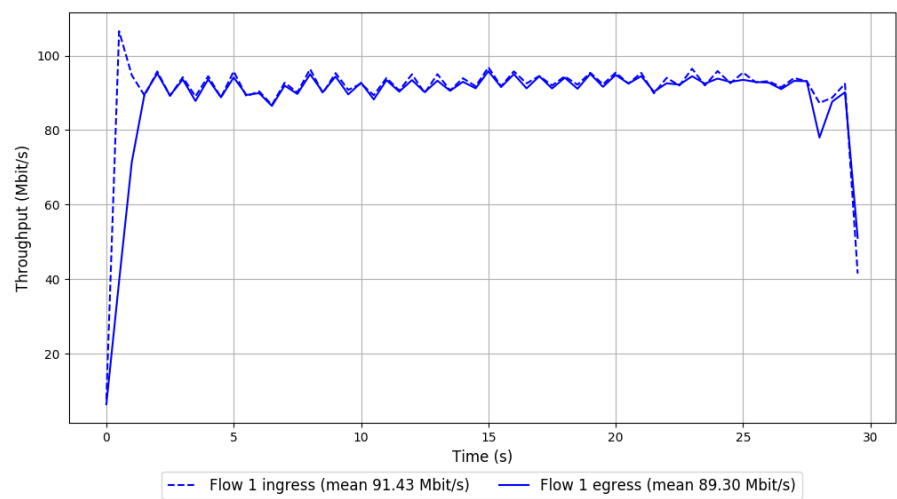


Run 6: Statistics of Indigo-2-256

Start at: 2018-01-25 10:45:39  
End at: 2018-01-25 10:46:09  
Local clock offset: -0.386 ms  
Remote clock offset: -5.806 ms

# Below is generated by plot.py at 2018-01-25 12:40:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.30 Mbit/s  
95th percentile per-packet one-way delay: 60.588 ms  
Loss rate: 2.32%  
-- Flow 1:  
Average throughput: 89.30 Mbit/s  
95th percentile per-packet one-way delay: 60.588 ms  
Loss rate: 2.32%

Run 6: Report of Indigo-2-256 — Data Link

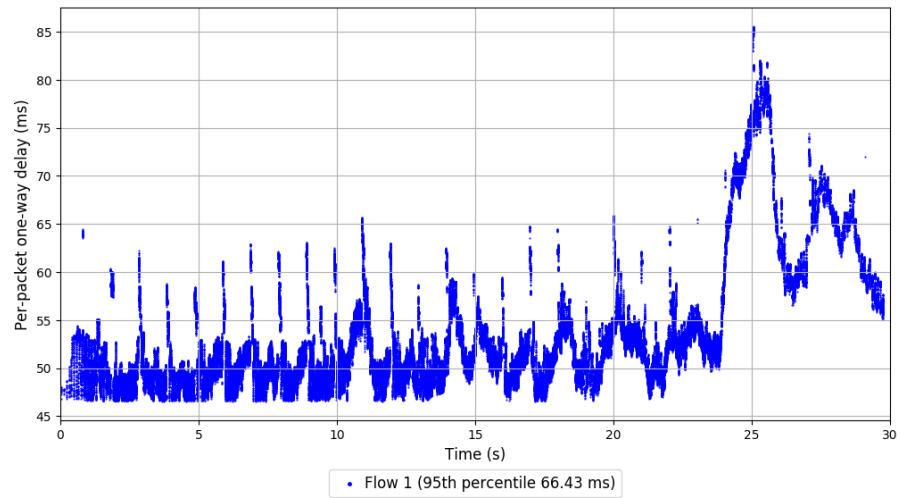
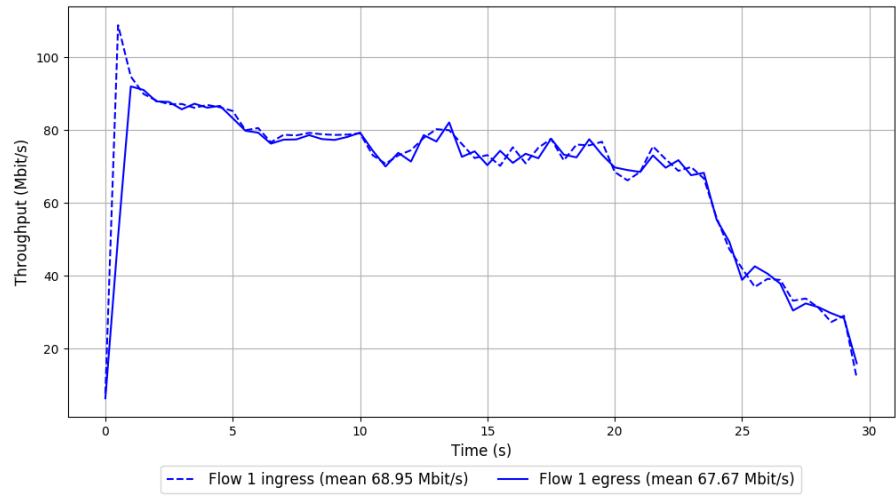


Run 7: Statistics of Indigo-2-256

Start at: 2018-01-25 11:04:47  
End at: 2018-01-25 11:05:17  
Local clock offset: -0.474 ms  
Remote clock offset: -5.687 ms

# Below is generated by plot.py at 2018-01-25 12:40:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 67.67 Mbit/s  
95th percentile per-packet one-way delay: 66.434 ms  
Loss rate: 1.82%  
-- Flow 1:  
Average throughput: 67.67 Mbit/s  
95th percentile per-packet one-way delay: 66.434 ms  
Loss rate: 1.82%

## Run 7: Report of Indigo-2-256 — Data Link

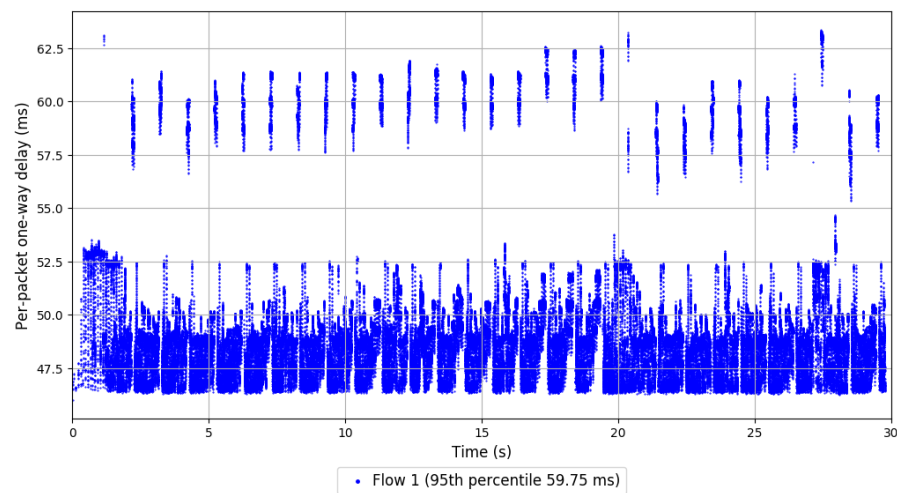
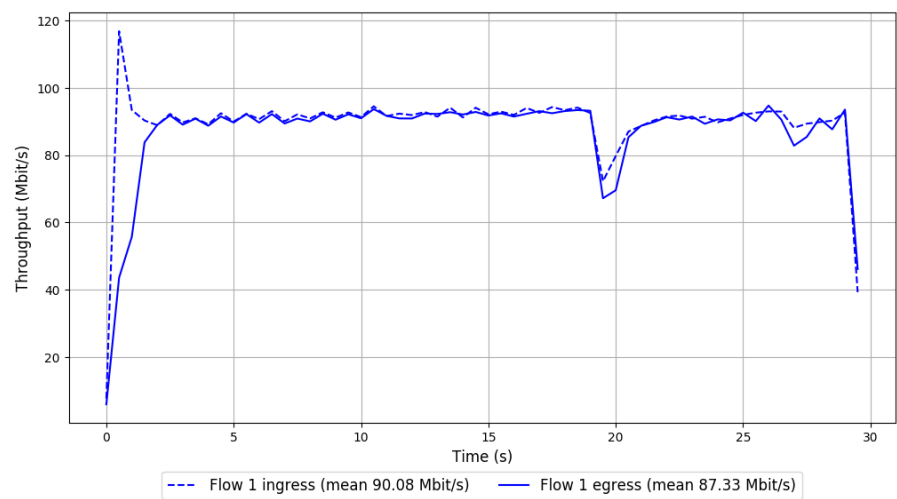


Run 8: Statistics of Indigo-2-256

Start at: 2018-01-25 11:23:48  
End at: 2018-01-25 11:24:18  
Local clock offset: -0.262 ms  
Remote clock offset: -4.399 ms

# Below is generated by plot.py at 2018-01-25 12:41:00  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.33 Mbit/s  
95th percentile per-packet one-way delay: 59.753 ms  
Loss rate: 3.05%  
-- Flow 1:  
Average throughput: 87.33 Mbit/s  
95th percentile per-packet one-way delay: 59.753 ms  
Loss rate: 3.05%

Run 8: Report of Indigo-2-256 — Data Link



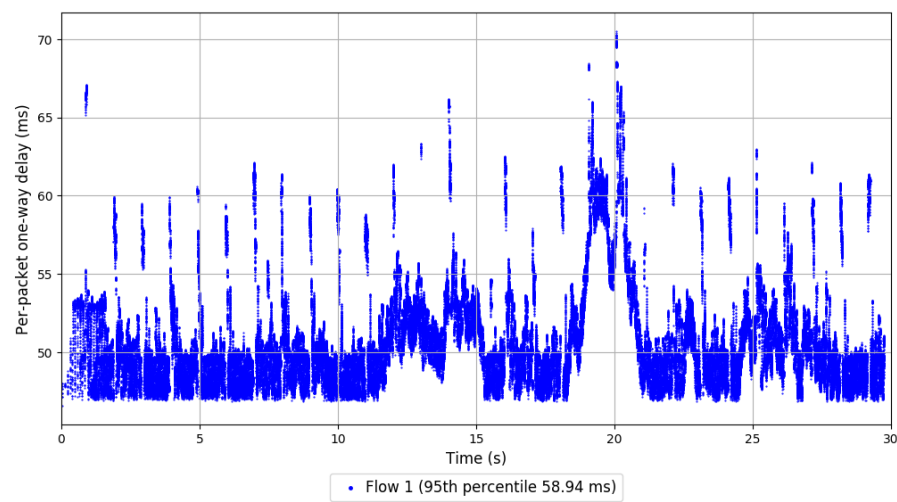
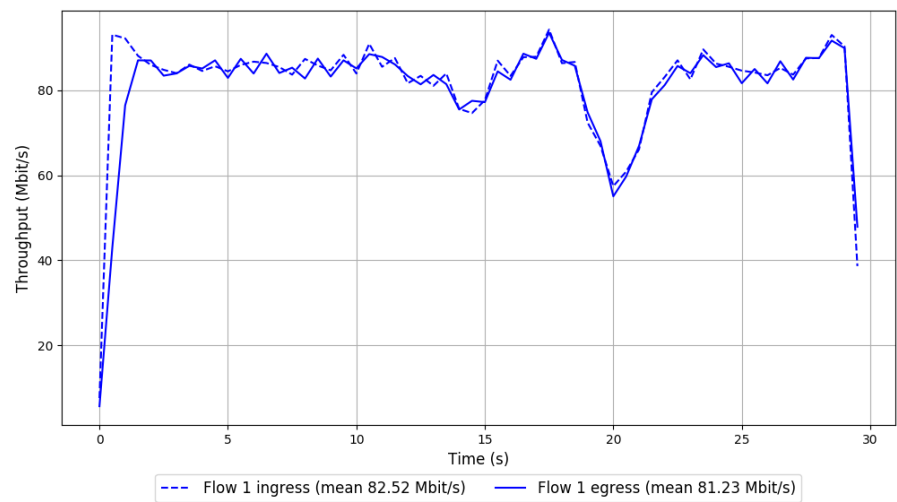
Run 9: Statistics of Indigo-2-256

Start at: 2018-01-25 11:42:51  
End at: 2018-01-25 11:43:21  
Local clock offset: -0.729 ms  
Remote clock offset: -2.705 ms

# Below is generated by plot.py at 2018-01-25 12:41:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 81.23 Mbit/s  
95th percentile per-packet one-way delay: 58.943 ms  
Loss rate: 1.55%  
-- Flow 1:  
Average throughput: 81.23 Mbit/s  
95th percentile per-packet one-way delay: 58.943 ms  
Loss rate: 1.55%



Run 9: Report of Indigo-2-256 — Data Link

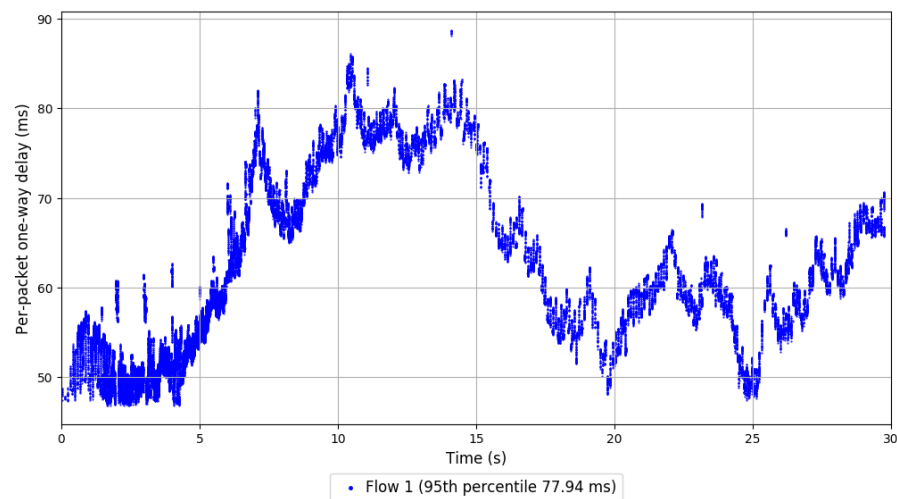
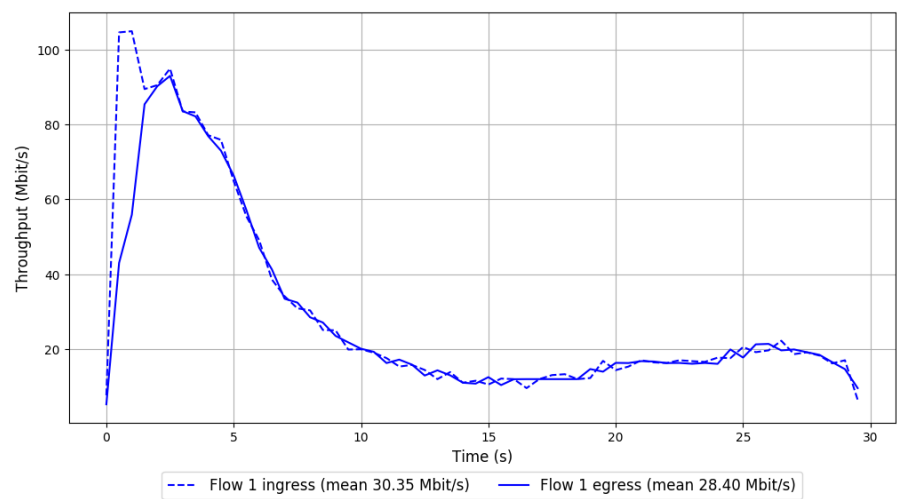


Run 10: Statistics of Indigo-2-256

Start at: 2018-01-25 12:01:57  
End at: 2018-01-25 12:02:27  
Local clock offset: -0.831 ms  
Remote clock offset: -0.203 ms

# Below is generated by plot.py at 2018-01-25 12:41:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 28.40 Mbit/s  
95th percentile per-packet one-way delay: 77.938 ms  
Loss rate: 6.39%  
-- Flow 1:  
Average throughput: 28.40 Mbit/s  
95th percentile per-packet one-way delay: 77.938 ms  
Loss rate: 6.39%

Run 10: Report of Indigo-2-256 — Data Link

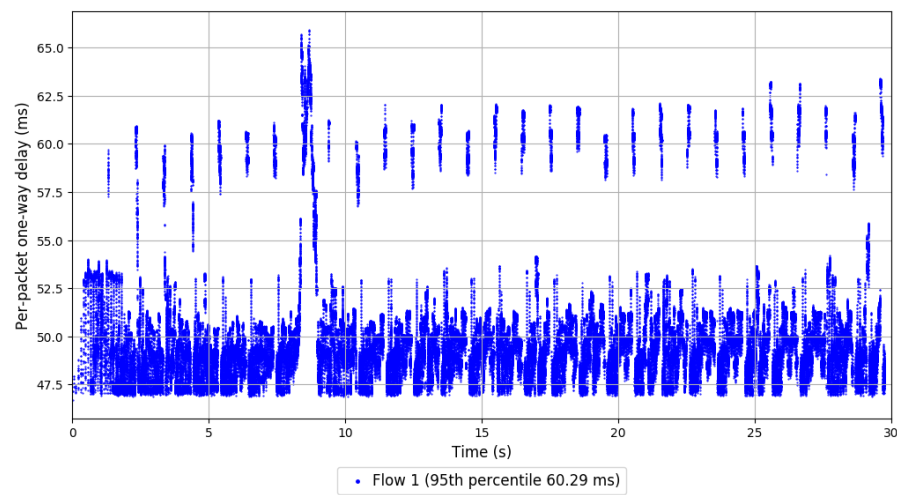
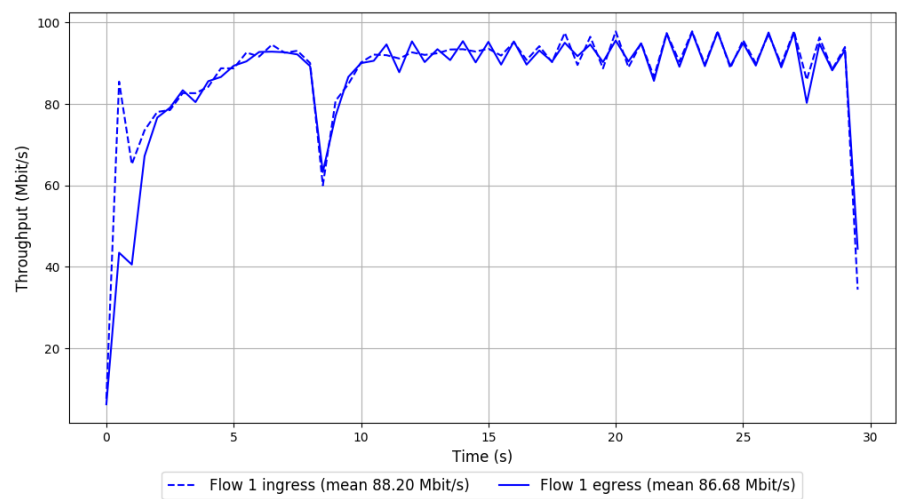


Run 1: Statistics of Indigo-1-32

Start at: 2018-01-25 09:13:41  
End at: 2018-01-25 09:14:11  
Local clock offset: -0.168 ms  
Remote clock offset: -1.773 ms

# Below is generated by plot.py at 2018-01-25 12:41:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 86.68 Mbit/s  
95th percentile per-packet one-way delay: 60.290 ms  
Loss rate: 1.72%  
-- Flow 1:  
Average throughput: 86.68 Mbit/s  
95th percentile per-packet one-way delay: 60.290 ms  
Loss rate: 1.72%

Run 1: Report of Indigo-1-32 — Data Link



Run 2: Statistics of Indigo-1-32

Start at: 2018-01-25 09:32:49

End at: 2018-01-25 09:33:19

Local clock offset: 0.025 ms

Remote clock offset: -2.83 ms

# Below is generated by plot.py at 2018-01-25 12:41:52

# Datalink statistics

-- Total of 1 flow:

Average throughput: 88.87 Mbit/s

95th percentile per-packet one-way delay: 60.925 ms

Loss rate: 11.43%

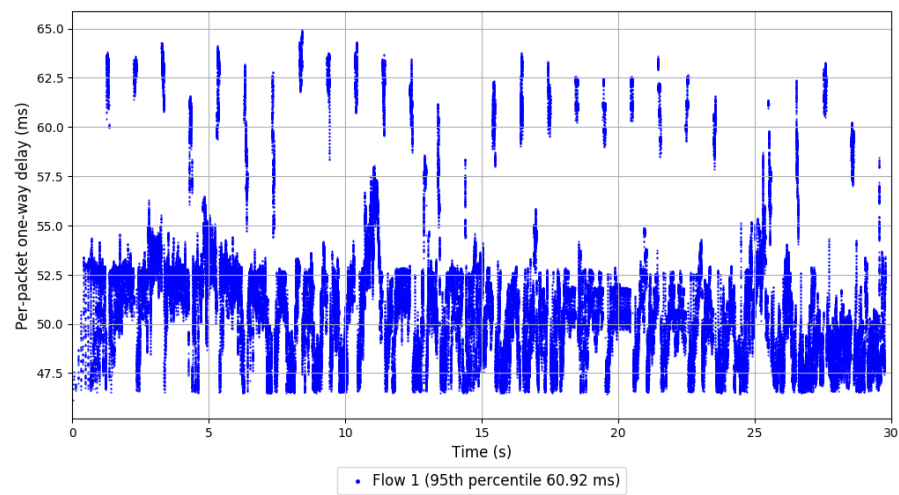
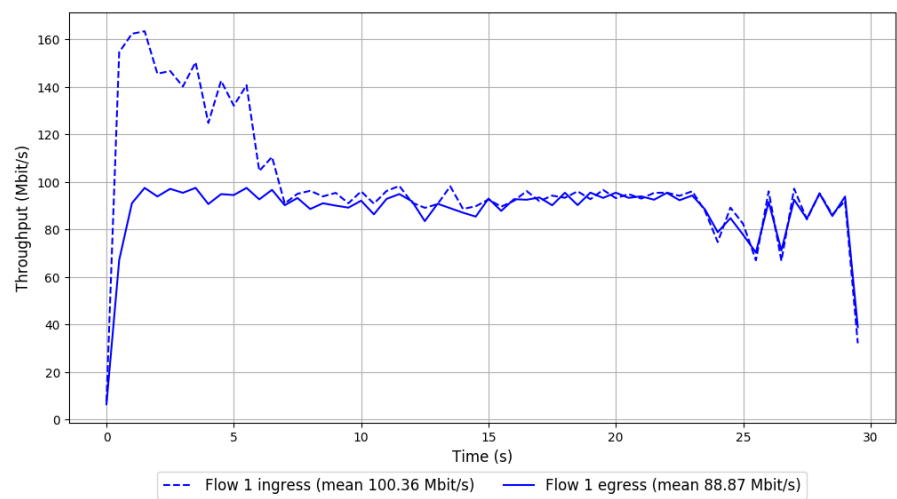
-- Flow 1:

Average throughput: 88.87 Mbit/s

95th percentile per-packet one-way delay: 60.925 ms

Loss rate: 11.43%

Run 2: Report of Indigo-1-32 — Data Link



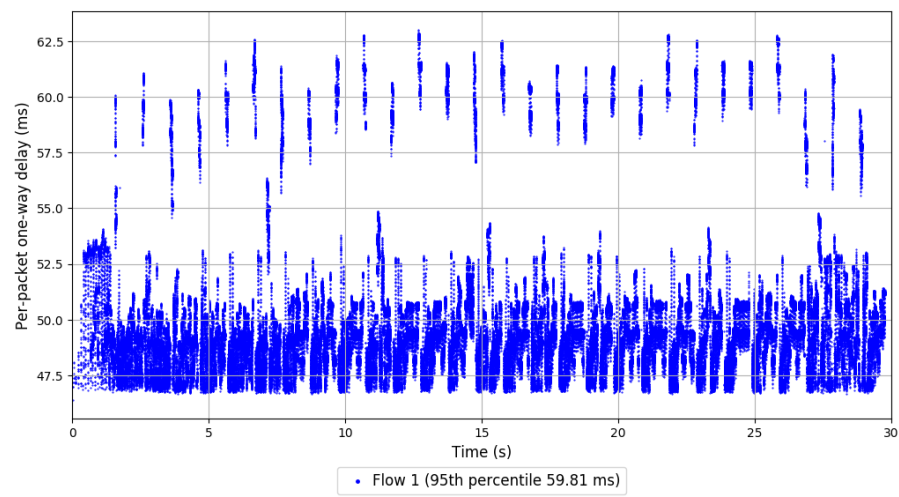
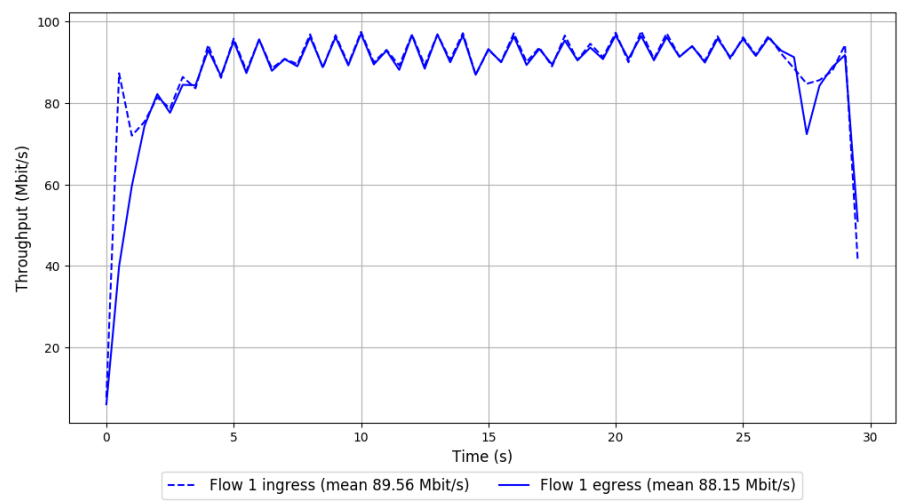
Run 3: Statistics of Indigo-1-32

Start at: 2018-01-25 09:51:46  
End at: 2018-01-25 09:52:16  
Local clock offset: -0.338 ms  
Remote clock offset: -4.035 ms

# Below is generated by plot.py at 2018-01-25 12:41:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.15 Mbit/s  
95th percentile per-packet one-way delay: 59.813 ms  
Loss rate: 1.56%  
-- Flow 1:  
Average throughput: 88.15 Mbit/s  
95th percentile per-packet one-way delay: 59.813 ms  
Loss rate: 1.56%



Run 3: Report of Indigo-1-32 — Data Link

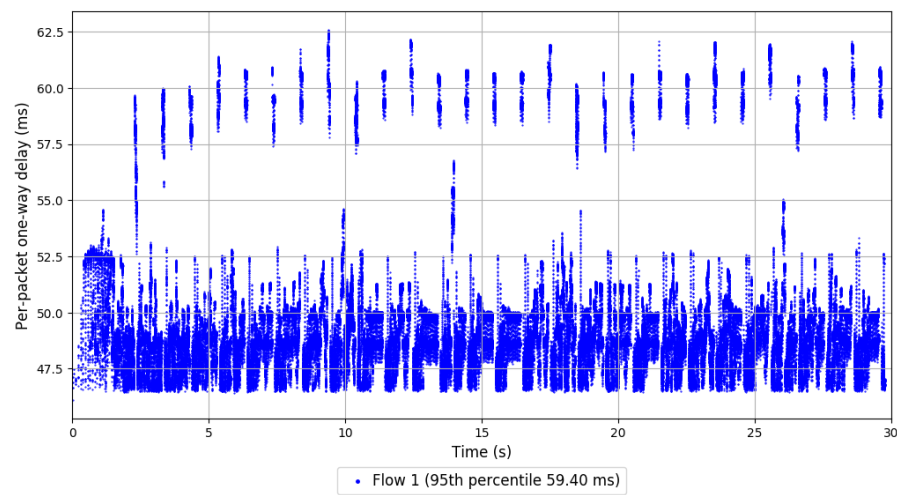
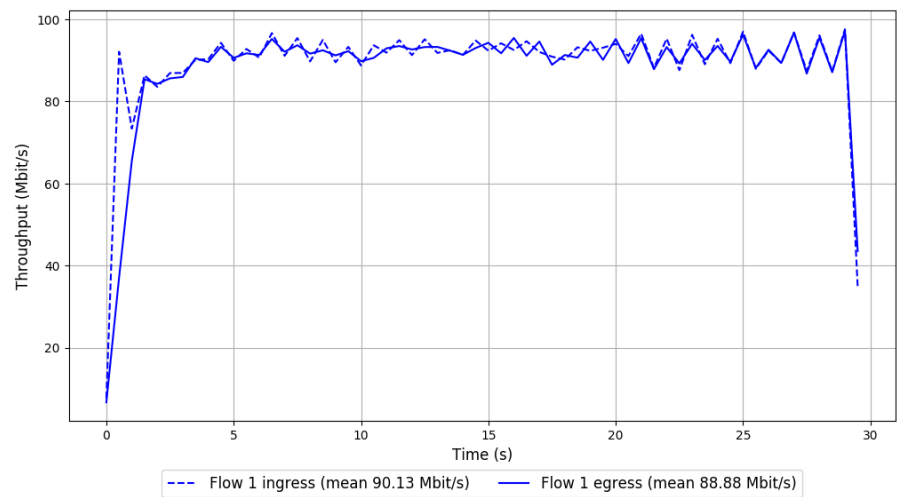


Run 4: Statistics of Indigo-1-32

Start at: 2018-01-25 10:10:50  
End at: 2018-01-25 10:11:20  
Local clock offset: -0.459 ms  
Remote clock offset: -4.958 ms

# Below is generated by plot.py at 2018-01-25 12:41:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.88 Mbit/s  
95th percentile per-packet one-way delay: 59.404 ms  
Loss rate: 1.38%  
-- Flow 1:  
Average throughput: 88.88 Mbit/s  
95th percentile per-packet one-way delay: 59.404 ms  
Loss rate: 1.38%

Run 4: Report of Indigo-1-32 — Data Link

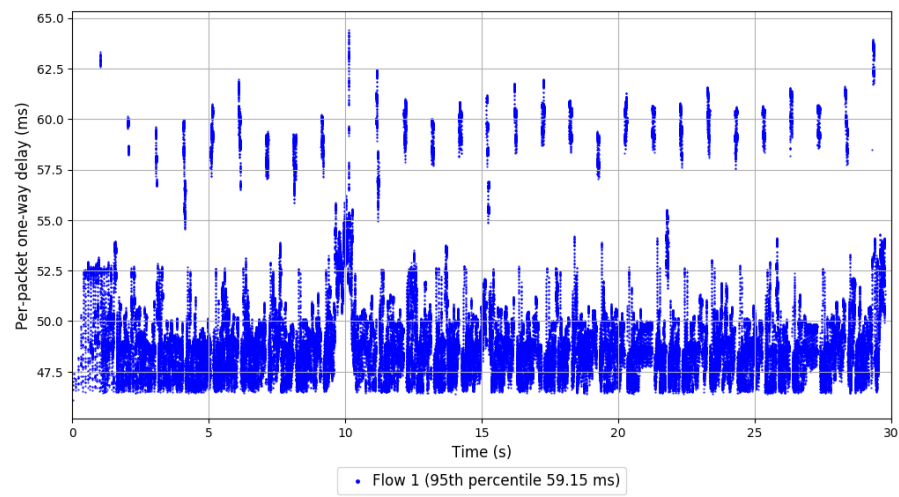
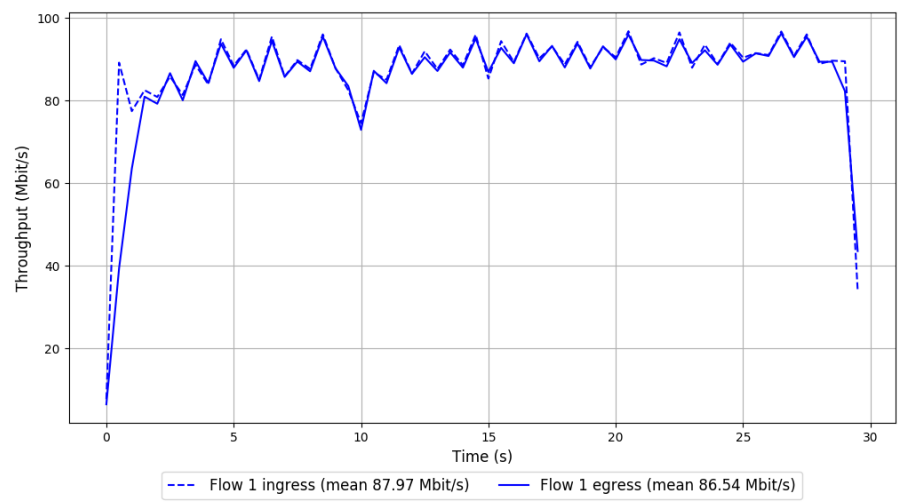


Run 5: Statistics of Indigo-1-32

Start at: 2018-01-25 10:29:54  
End at: 2018-01-25 10:30:24  
Local clock offset: -0.471 ms  
Remote clock offset: -5.569 ms

# Below is generated by plot.py at 2018-01-25 12:41:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 86.54 Mbit/s  
95th percentile per-packet one-way delay: 59.148 ms  
Loss rate: 1.61%  
-- Flow 1:  
Average throughput: 86.54 Mbit/s  
95th percentile per-packet one-way delay: 59.148 ms  
Loss rate: 1.61%

Run 5: Report of Indigo-1-32 — Data Link

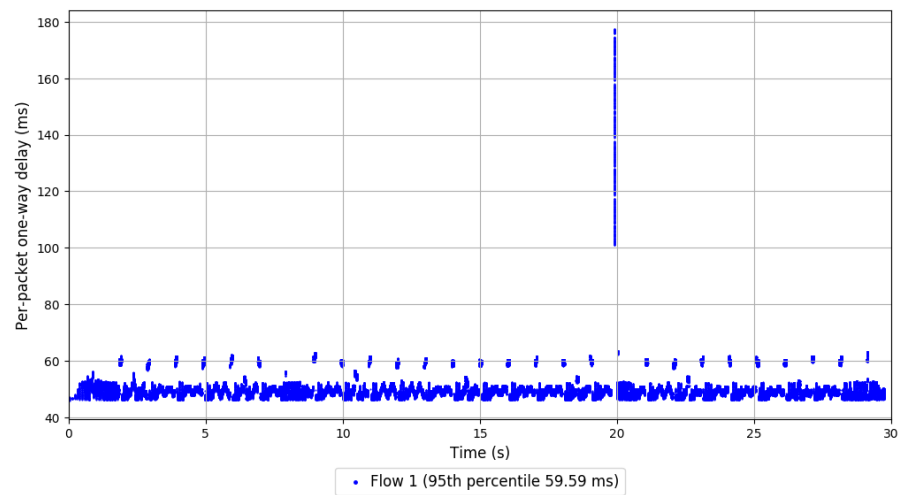
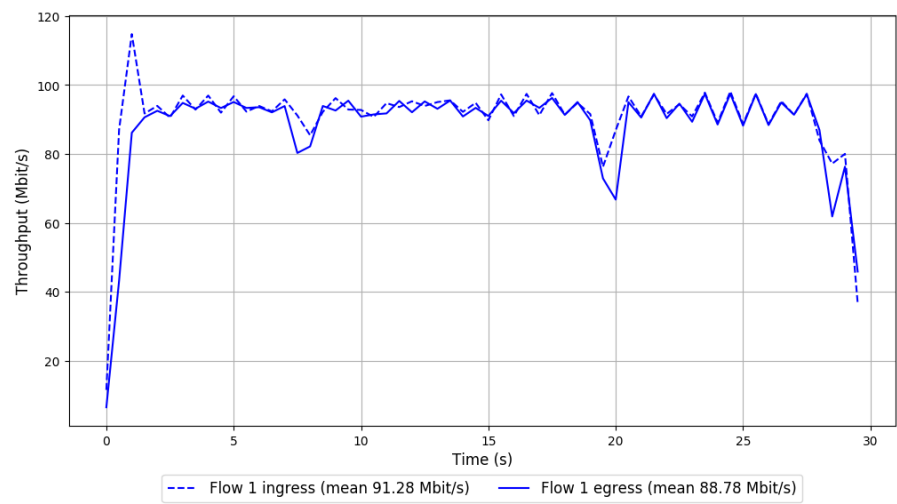


Run 6: Statistics of Indigo-1-32

Start at: 2018-01-25 10:49:17  
End at: 2018-01-25 10:49:47  
Local clock offset: -0.109 ms  
Remote clock offset: -5.884 ms

# Below is generated by plot.py at 2018-01-25 12:42:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.78 Mbit/s  
95th percentile per-packet one-way delay: 59.589 ms  
Loss rate: 2.73%  
-- Flow 1:  
Average throughput: 88.78 Mbit/s  
95th percentile per-packet one-way delay: 59.589 ms  
Loss rate: 2.73%

Run 6: Report of Indigo-1-32 — Data Link



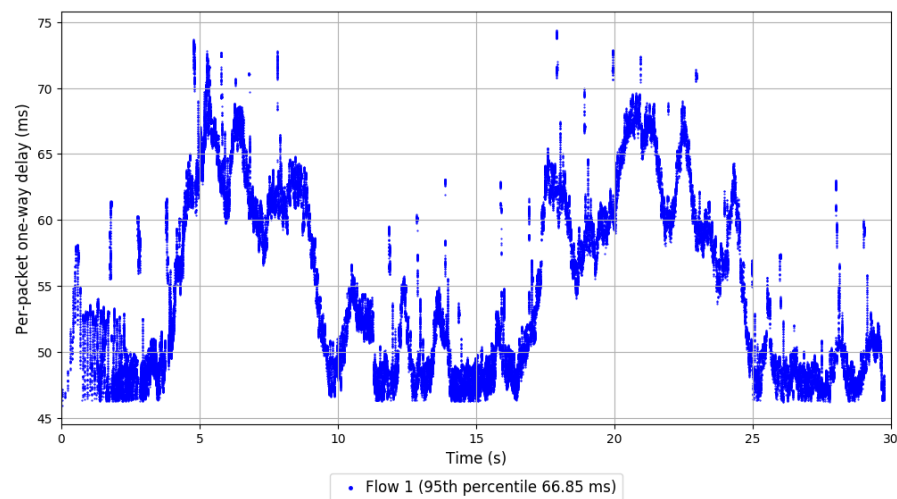
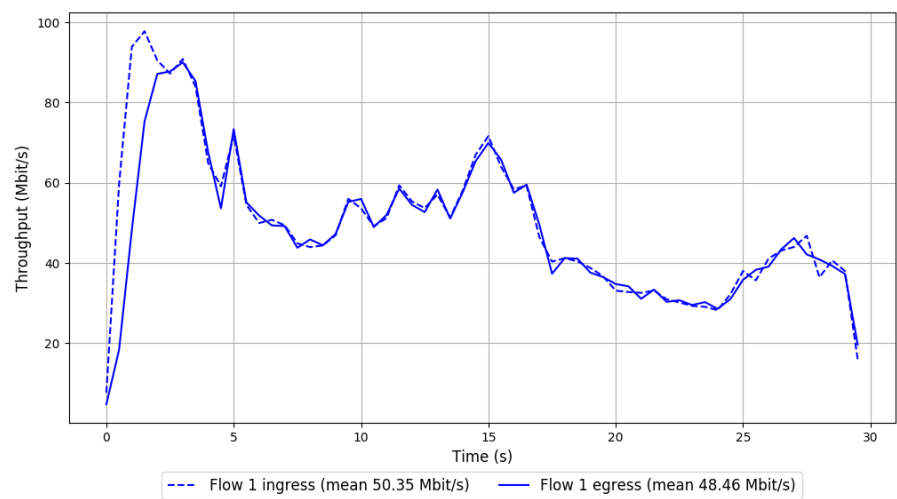
Run 7: Statistics of Indigo-1-32

Start at: 2018-01-25 11:08:24  
End at: 2018-01-25 11:08:54  
Local clock offset: -0.112 ms  
Remote clock offset: -5.384 ms

# Below is generated by plot.py at 2018-01-25 12:42:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 48.46 Mbit/s  
95th percentile per-packet one-way delay: 66.847 ms  
Loss rate: 3.74%  
-- Flow 1:  
Average throughput: 48.46 Mbit/s  
95th percentile per-packet one-way delay: 66.847 ms  
Loss rate: 3.74%



Run 7: Report of Indigo-1-32 — Data Link

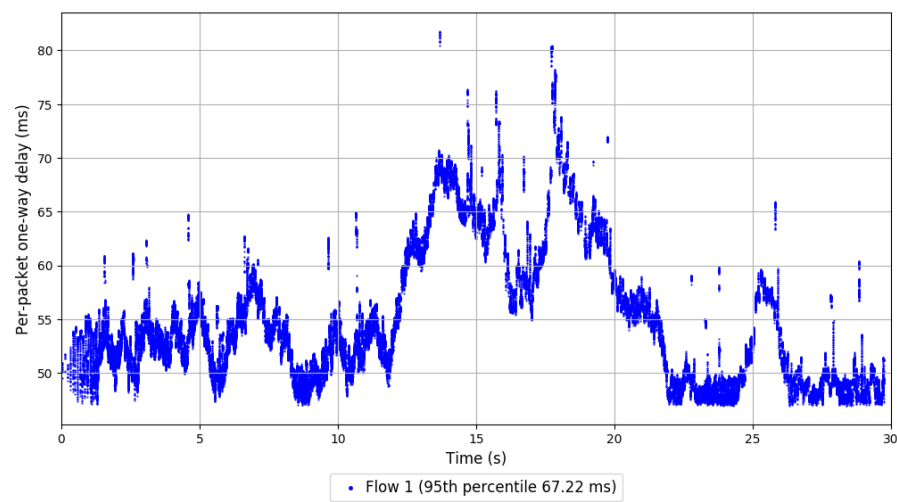
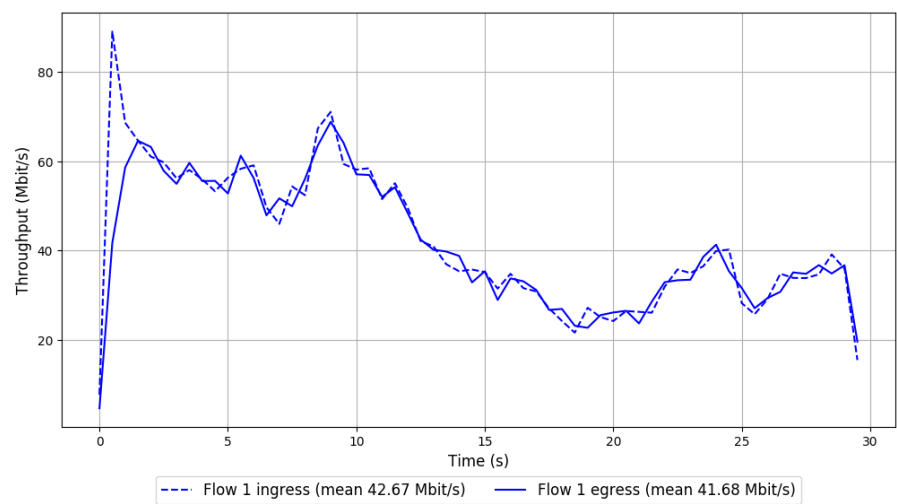


Run 8: Statistics of Indigo-1-32

Start at: 2018-01-25 11:27:27  
End at: 2018-01-25 11:27:57  
Local clock offset: -0.947 ms  
Remote clock offset: -4.244 ms

# Below is generated by plot.py at 2018-01-25 12:42:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 41.68 Mbit/s  
95th percentile per-packet one-way delay: 67.225 ms  
Loss rate: 2.33%  
-- Flow 1:  
Average throughput: 41.68 Mbit/s  
95th percentile per-packet one-way delay: 67.225 ms  
Loss rate: 2.33%

Run 8: Report of Indigo-1-32 — Data Link

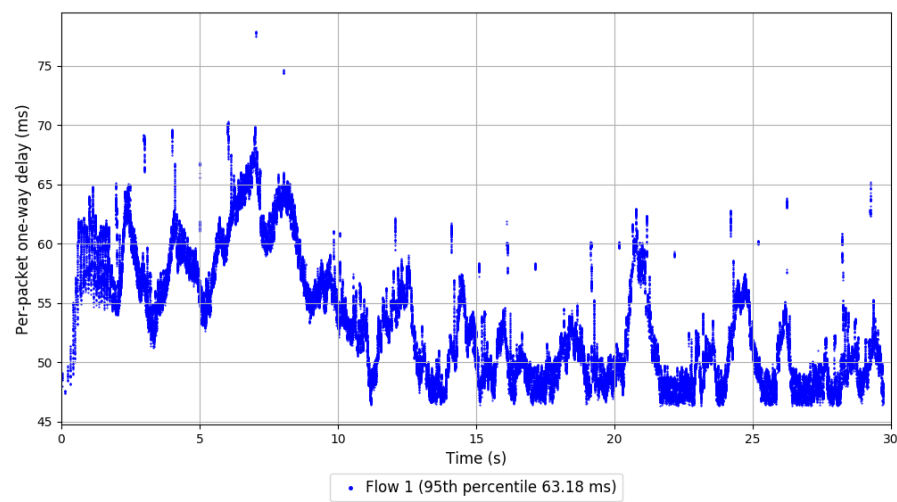
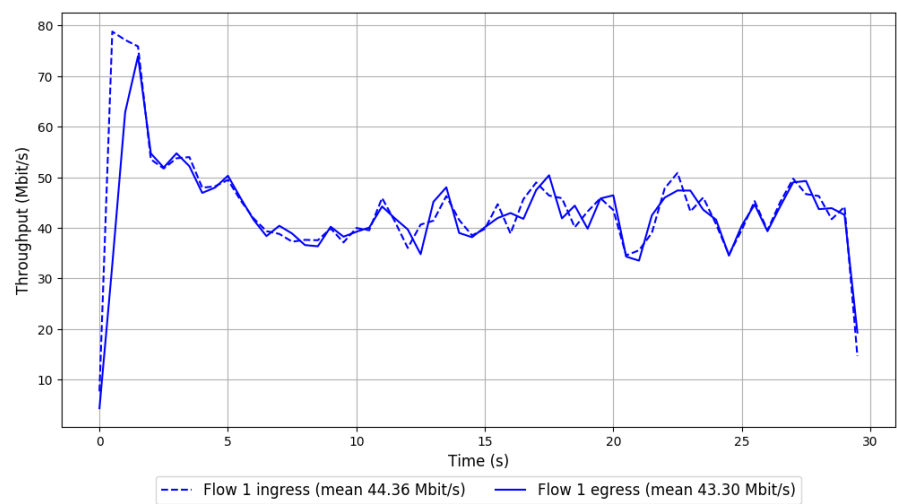


Run 9: Statistics of Indigo-1-32

Start at: 2018-01-25 11:46:30  
End at: 2018-01-25 11:47:01  
Local clock offset: -0.449 ms  
Remote clock offset: -2.164 ms

# Below is generated by plot.py at 2018-01-25 12:42:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 43.30 Mbit/s  
95th percentile per-packet one-way delay: 63.178 ms  
Loss rate: 2.39%  
-- Flow 1:  
Average throughput: 43.30 Mbit/s  
95th percentile per-packet one-way delay: 63.178 ms  
Loss rate: 2.39%

Run 9: Report of Indigo-1-32 — Data Link



Run 10: Statistics of Indigo-1-32

Start at: 2018-01-25 12:05:33

End at: 2018-01-25 12:06:03

Local clock offset: -3.411 ms

Remote clock offset: 0.279 ms

# Below is generated by plot.py at 2018-01-25 12:42:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 63.60 Mbit/s

95th percentile per-packet one-way delay: 80.082 ms

Loss rate: 8.28%

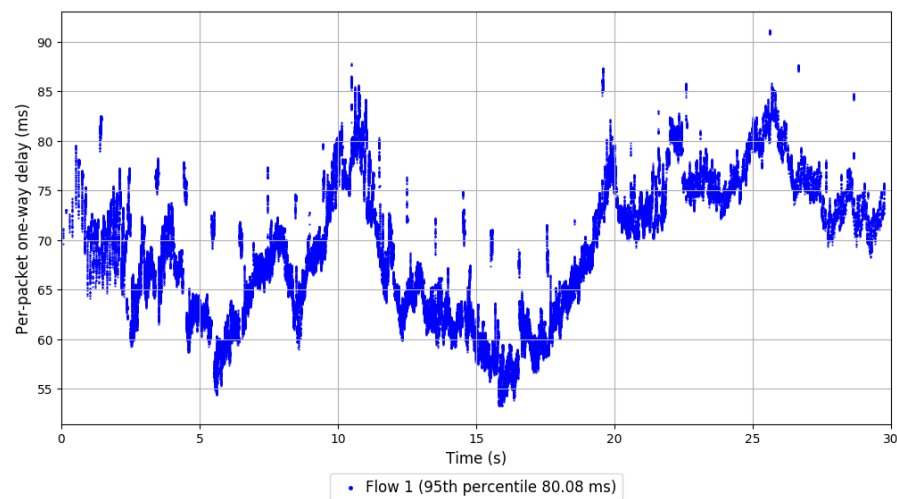
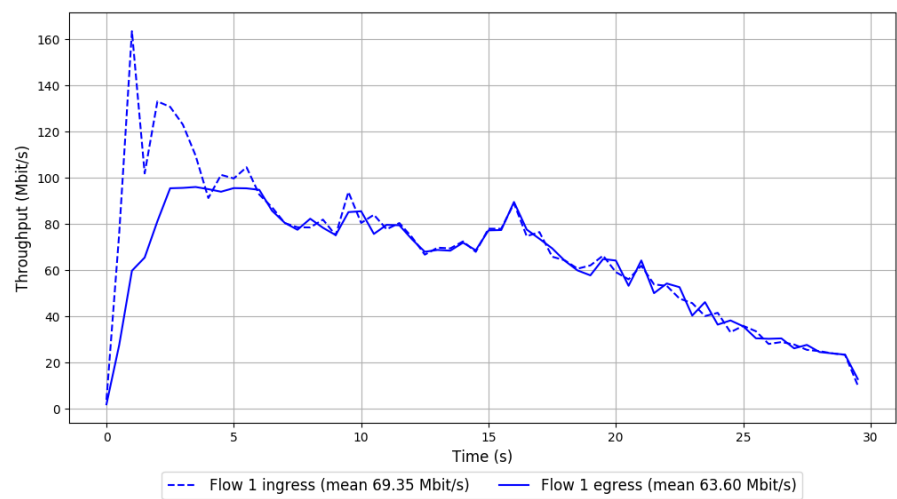
-- Flow 1:

Average throughput: 63.60 Mbit/s

95th percentile per-packet one-way delay: 80.082 ms

Loss rate: 8.28%

Run 10: Report of Indigo-1-32 — Data Link



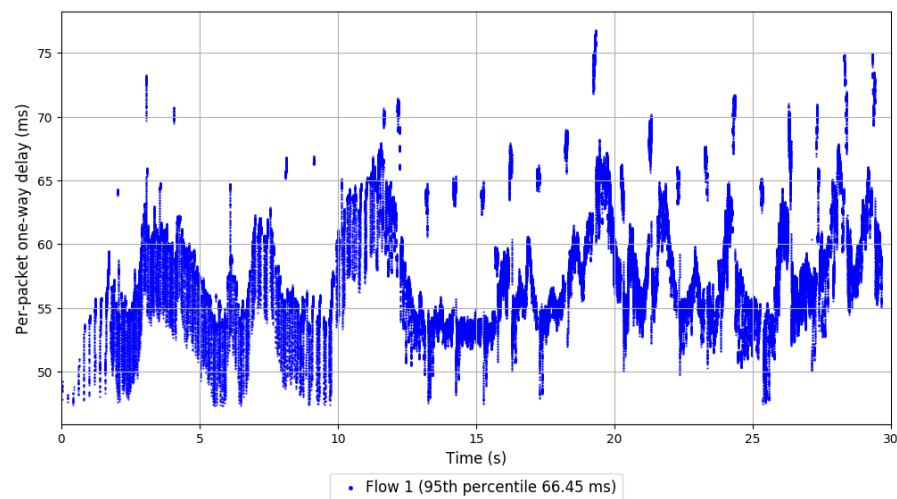
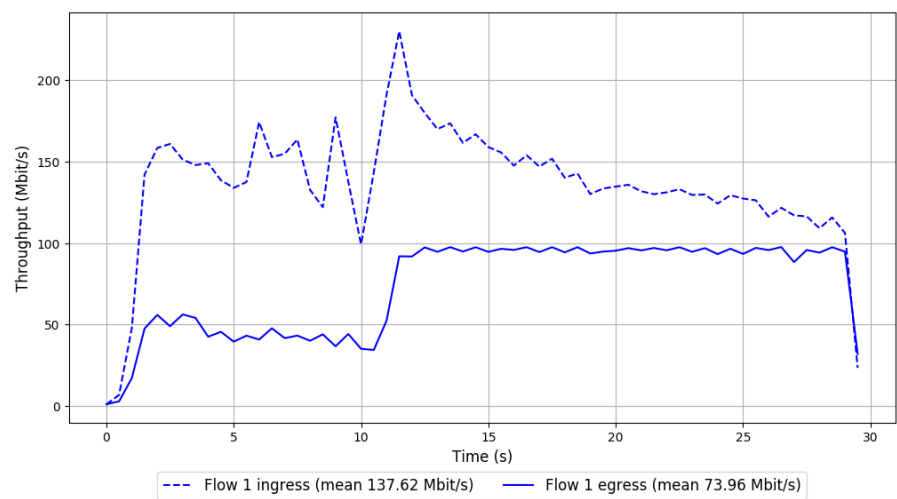
Run 1: Statistics of Indigo-1-128

Start at: 2018-01-25 09:04:49  
End at: 2018-01-25 09:05:19  
Local clock offset: -0.508 ms  
Remote clock offset: -1.445 ms

# Below is generated by plot.py at 2018-01-25 12:43:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 73.96 Mbit/s  
95th percentile per-packet one-way delay: 66.448 ms  
Loss rate: 46.24%  
-- Flow 1:  
Average throughput: 73.96 Mbit/s  
95th percentile per-packet one-way delay: 66.448 ms  
Loss rate: 46.24%



Run 1: Report of Indigo-1-128 — Data Link



Run 2: Statistics of Indigo-1-128

Start at: 2018-01-25 09:24:23

End at: 2018-01-25 09:24:53

Local clock offset: -0.686 ms

Remote clock offset: -2.375 ms

# Below is generated by plot.py at 2018-01-25 12:43:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.04 Mbit/s

95th percentile per-packet one-way delay: 53.829 ms

Loss rate: 2.20%

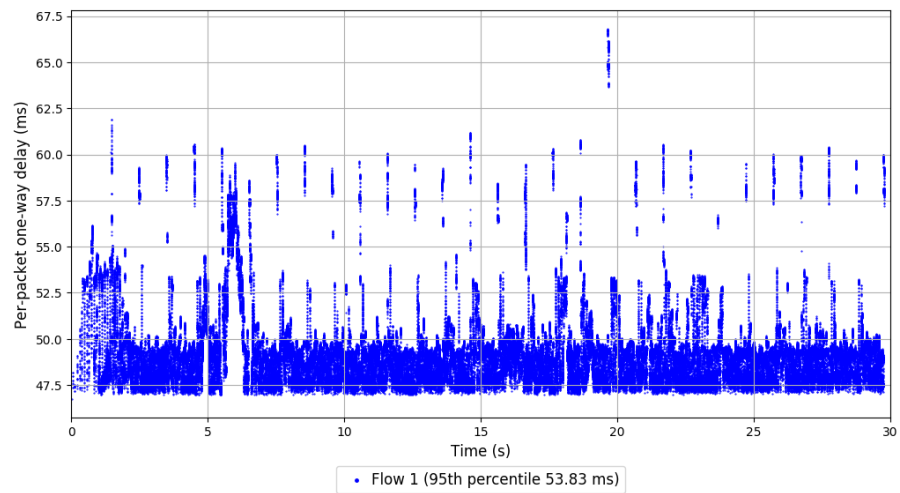
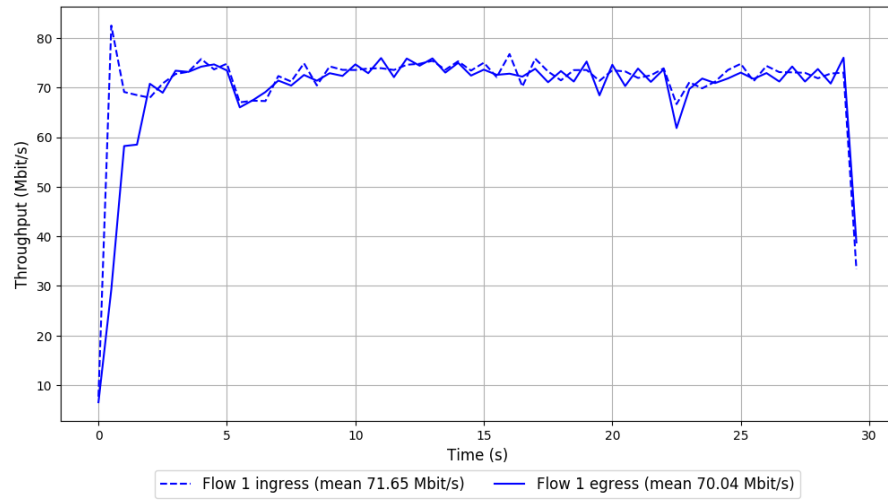
-- Flow 1:

Average throughput: 70.04 Mbit/s

95th percentile per-packet one-way delay: 53.829 ms

Loss rate: 2.20%

## Run 2: Report of Indigo-1-128 — Data Link



Run 3: Statistics of Indigo-1-128

Start at: 2018-01-25 09:43:23

End at: 2018-01-25 09:43:53

Local clock offset: -0.178 ms

Remote clock offset: -3.513 ms

# Below is generated by plot.py at 2018-01-25 12:43:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.56 Mbit/s

95th percentile per-packet one-way delay: 52.370 ms

Loss rate: 1.81%

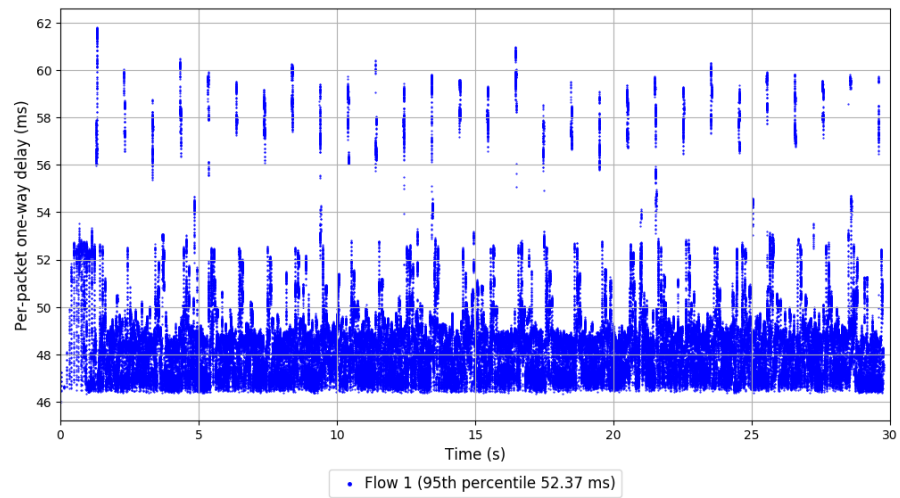
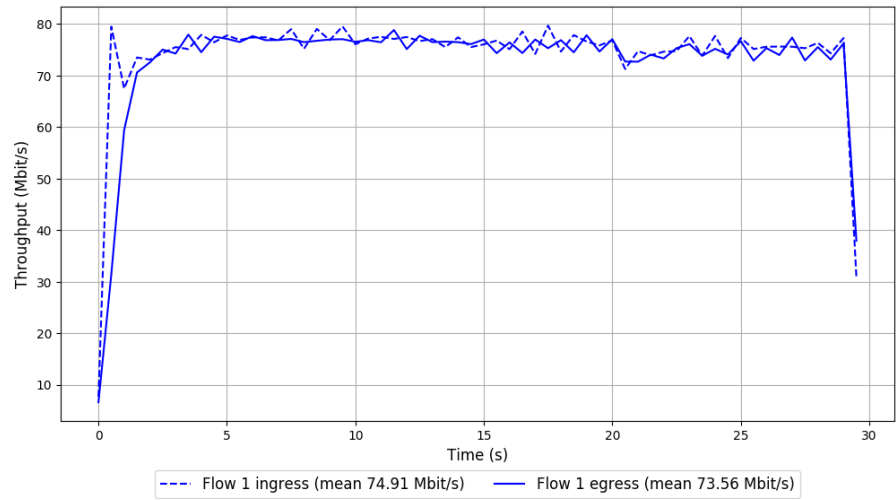
-- Flow 1:

Average throughput: 73.56 Mbit/s

95th percentile per-packet one-way delay: 52.370 ms

Loss rate: 1.81%

### Run 3: Report of Indigo-1-128 — Data Link



Run 4: Statistics of Indigo-1-128

Start at: 2018-01-25 10:02:26

End at: 2018-01-25 10:02:56

Local clock offset: -0.541 ms

Remote clock offset: -4.49 ms

# Below is generated by plot.py at 2018-01-25 12:43:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.02 Mbit/s

95th percentile per-packet one-way delay: 55.979 ms

Loss rate: 2.37%

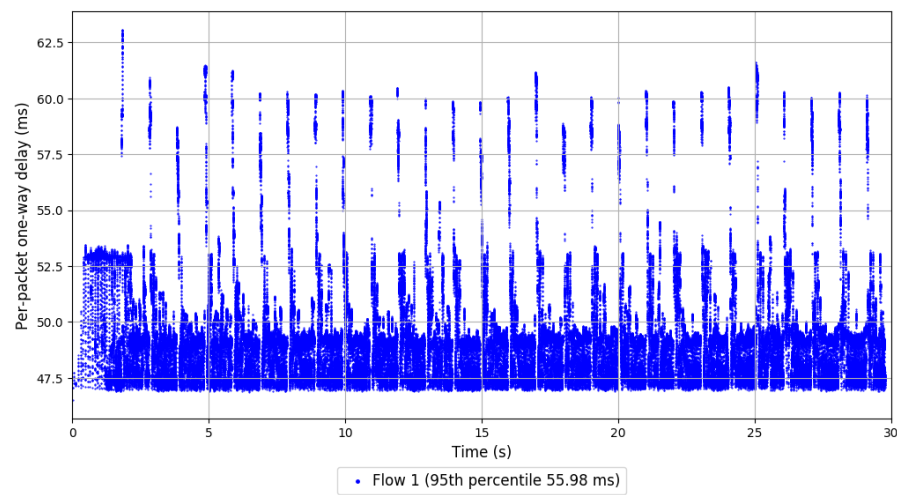
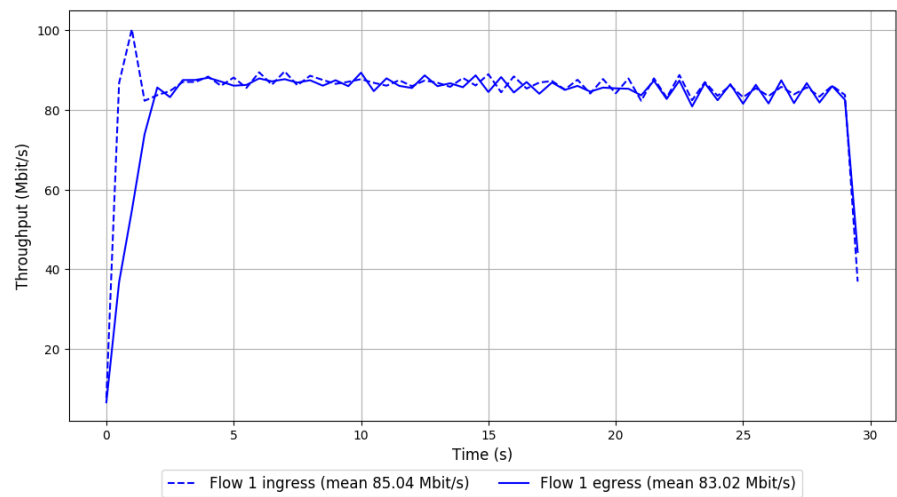
-- Flow 1:

Average throughput: 83.02 Mbit/s

95th percentile per-packet one-way delay: 55.979 ms

Loss rate: 2.37%

Run 4: Report of Indigo-1-128 — Data Link



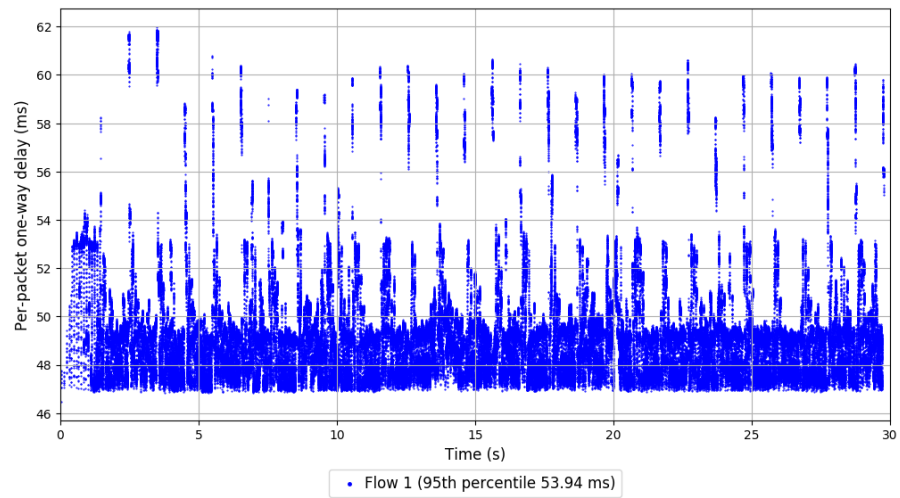
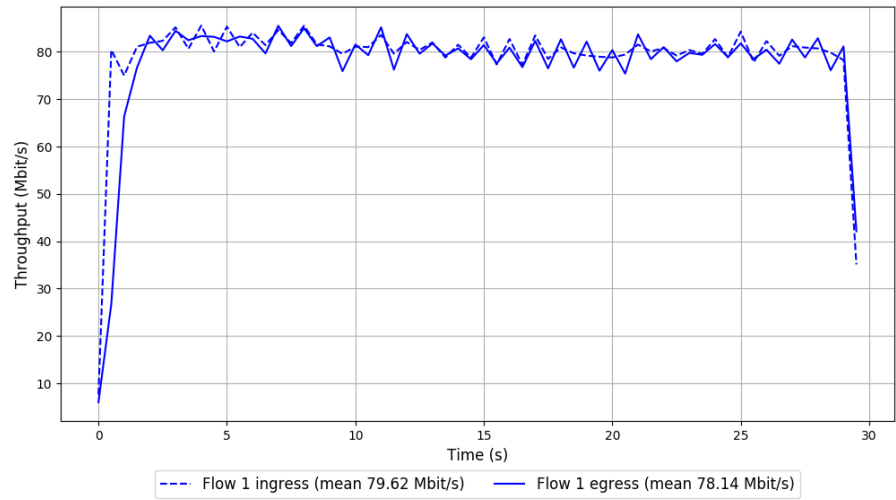
Run 5: Statistics of Indigo-1-128

Start at: 2018-01-25 10:21:30  
End at: 2018-01-25 10:22:01  
Local clock offset: -0.582 ms  
Remote clock offset: -5.385 ms

# Below is generated by plot.py at 2018-01-25 12:43:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.14 Mbit/s  
95th percentile per-packet one-way delay: 53.940 ms  
Loss rate: 1.83%  
-- Flow 1:  
Average throughput: 78.14 Mbit/s  
95th percentile per-packet one-way delay: 53.940 ms  
Loss rate: 1.83%



Run 5: Report of Indigo-1-128 — Data Link

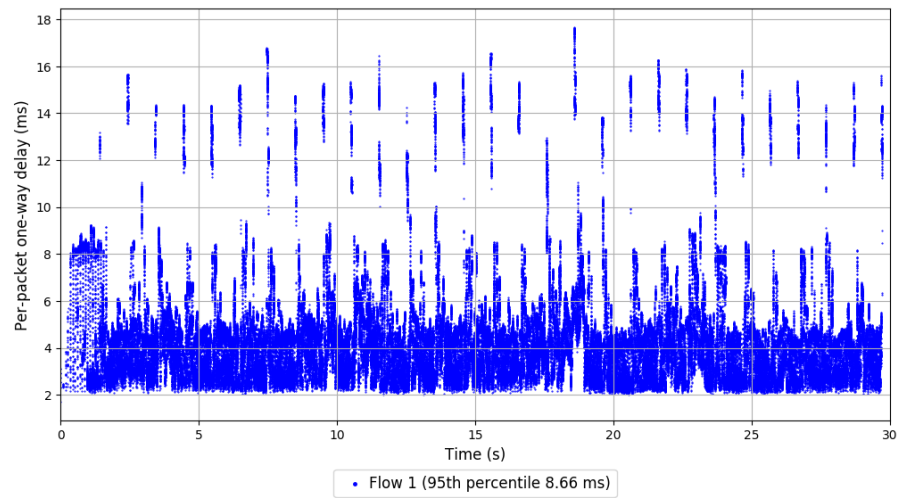
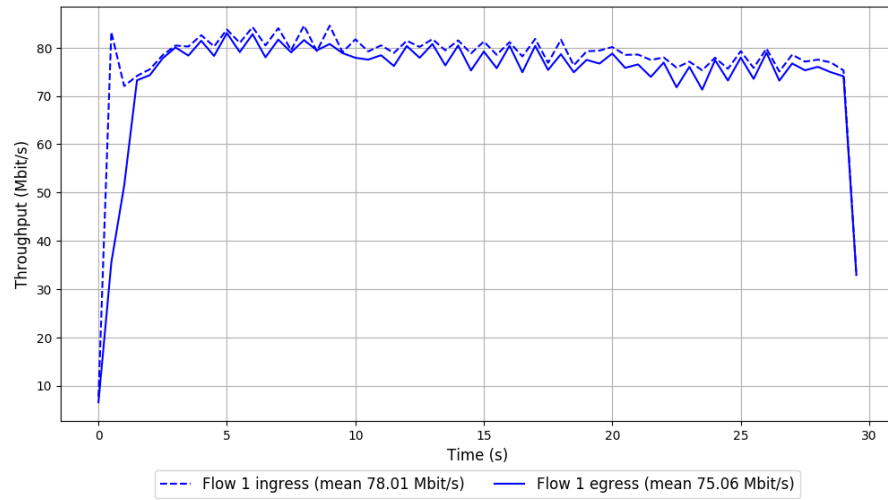


Run 6: Statistics of Indigo-1-128

Start at: 2018-01-25 10:40:39  
End at: 2018-01-25 10:41:09  
Local clock offset: -0.728 ms  
Remote clock offset: -50.424 ms

# Below is generated by plot.py at 2018-01-25 12:43:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 75.06 Mbit/s  
95th percentile per-packet one-way delay: 8.661 ms  
Loss rate: 3.76%  
-- Flow 1:  
Average throughput: 75.06 Mbit/s  
95th percentile per-packet one-way delay: 8.661 ms  
Loss rate: 3.76%

# Run 6: Report of Indigo-1-128 — Data Link

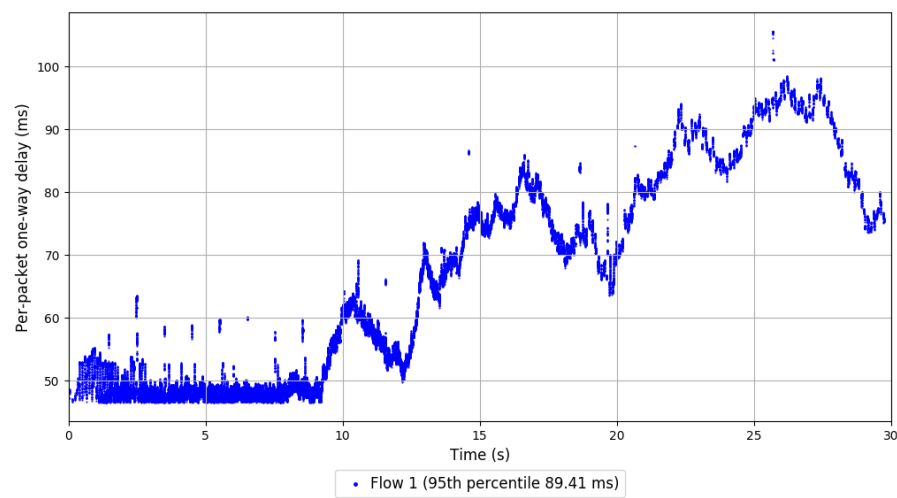
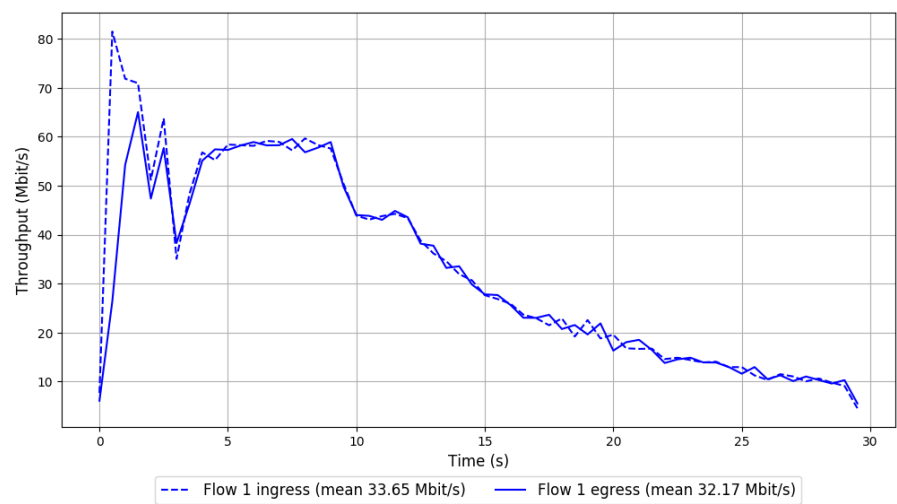


Run 7: Statistics of Indigo-1-128

Start at: 2018-01-25 10:59:55  
End at: 2018-01-25 11:00:25  
Local clock offset: -0.333 ms  
Remote clock offset: -6.029 ms

# Below is generated by plot.py at 2018-01-25 12:43:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 32.17 Mbit/s  
95th percentile per-packet one-way delay: 89.405 ms  
Loss rate: 4.31%  
-- Flow 1:  
Average throughput: 32.17 Mbit/s  
95th percentile per-packet one-way delay: 89.405 ms  
Loss rate: 4.31%

Run 7: Report of Indigo-1-128 — Data Link

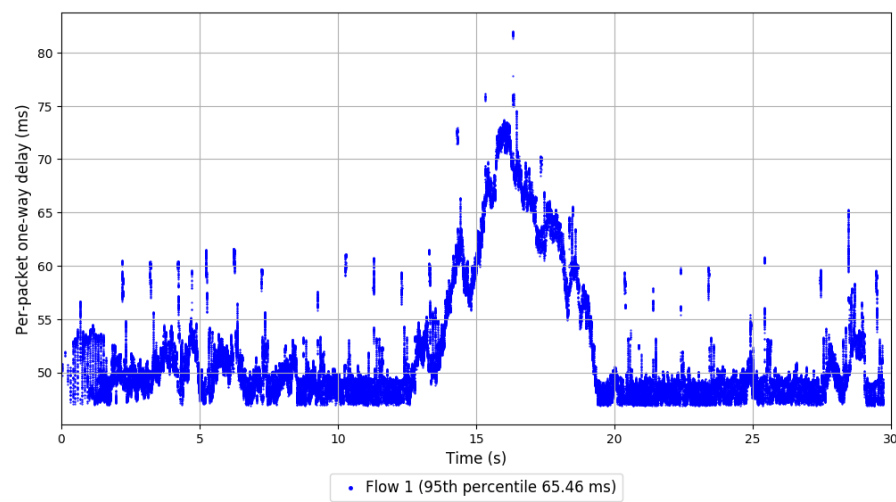
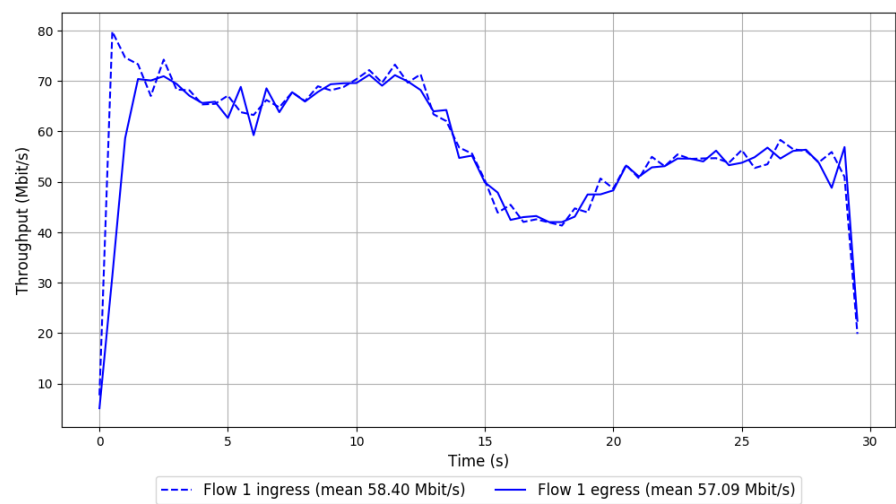


Run 8: Statistics of Indigo-1-128

Start at: 2018-01-25 11:19:00  
End at: 2018-01-25 11:19:30  
Local clock offset: -0.85 ms  
Remote clock offset: -4.732 ms

# Below is generated by plot.py at 2018-01-25 12:43:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 57.09 Mbit/s  
95th percentile per-packet one-way delay: 65.456 ms  
Loss rate: 2.26%  
-- Flow 1:  
Average throughput: 57.09 Mbit/s  
95th percentile per-packet one-way delay: 65.456 ms  
Loss rate: 2.26%

Run 8: Report of Indigo-1-128 — Data Link



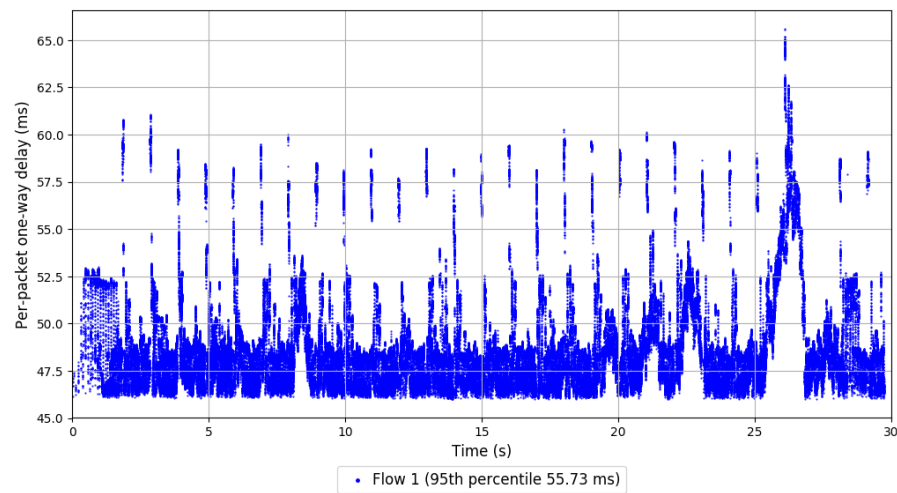
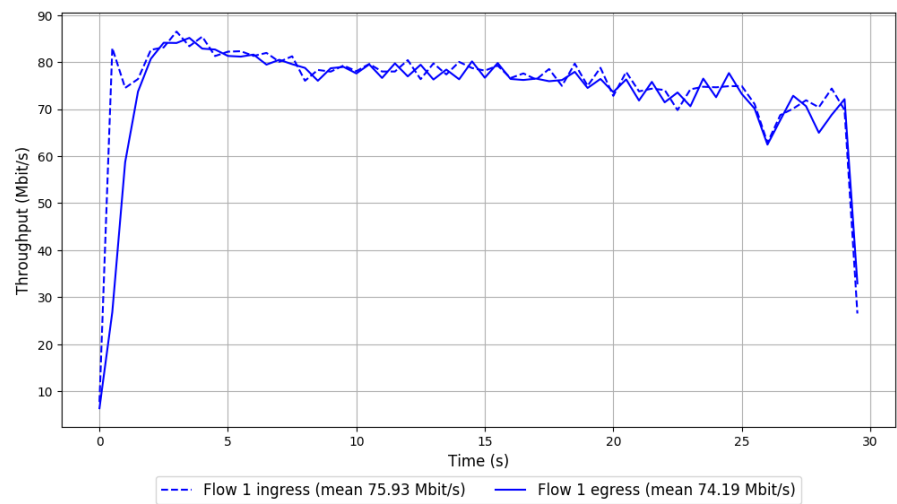
Run 9: Statistics of Indigo-1-128

Start at: 2018-01-25 11:38:03  
End at: 2018-01-25 11:38:33  
Local clock offset: -0.105 ms  
Remote clock offset: -3.297 ms

# Below is generated by plot.py at 2018-01-25 12:43:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 74.19 Mbit/s  
95th percentile per-packet one-way delay: 55.728 ms  
Loss rate: 2.29%  
-- Flow 1:  
Average throughput: 74.19 Mbit/s  
95th percentile per-packet one-way delay: 55.728 ms  
Loss rate: 2.29%



Run 9: Report of Indigo-1-128 — Data Link



Run 10: Statistics of Indigo-1-128

Start at: 2018-01-25 11:57:09

End at: 2018-01-25 11:57:39

Local clock offset: -1.181 ms

Remote clock offset: -0.793 ms

# Below is generated by plot.py at 2018-01-25 12:43:16

# Datalink statistics

-- Total of 1 flow:

Average throughput: 47.32 Mbit/s

95th percentile per-packet one-way delay: 100.425 ms

Loss rate: 6.16%

-- Flow 1:

Average throughput: 47.32 Mbit/s

95th percentile per-packet one-way delay: 100.425 ms

Loss rate: 6.16%

Run 10: Report of Indigo-1-128 — Data Link

