

## Pantheon Report

Generated at 2018-04-10 18:06:54 (UTC).

Data path: AWS California 2 Ethernet (*local*) → Mexico Ethernet (*remote*).

Repeated the test of 17 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).

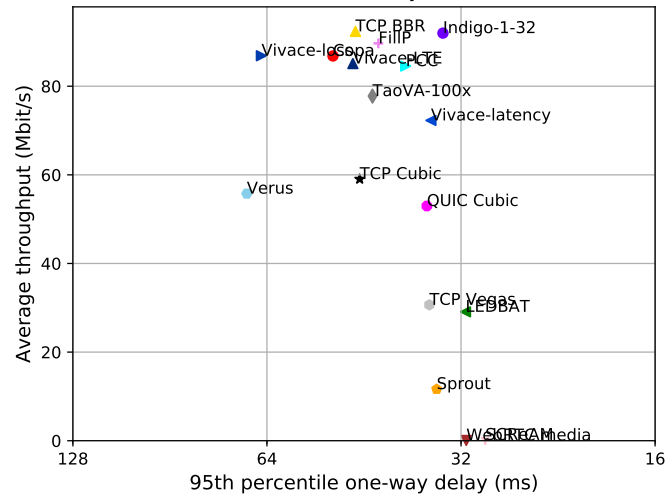
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

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

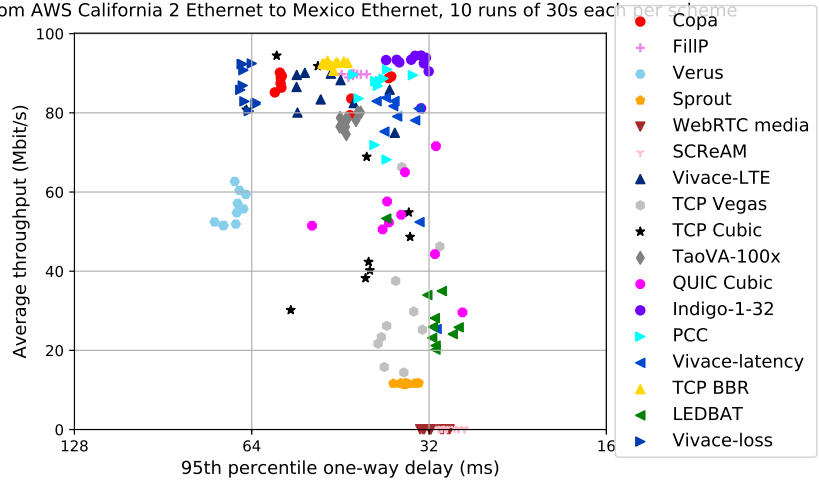
Git summary:

```
branch: master @ eb420b5be9bafccd22cf68b99ff5a2000462fc59
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 11f8c46a2bf1dc797253db7e8ca04076272b2a44
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
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-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
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 @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webRTC @ f271183af822eee5d0031620f4bebf38aedc5581
```

test from AWS California 2 Ethernet to Mexico Ethernet, 10 runs of 30s each per scheme  
(mean of all runs by scheme)



test from AWS California 2 Ethernet to Mexico 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	92.38	46.66	0.96
TCP Cubic	10	59.05	45.96	0.30
LEDBAT	10	29.09	31.50	0.17
PCC	10	84.54	38.99	1.08
QUIC Cubic	9	52.97	36.15	0.33
SCReAM	10	0.18	29.35	0.15
WebRTC media	10	0.06	31.41	0.01
Sprout	10	11.64	34.91	0.17
TaoVA-100x	10	77.77	43.90	0.23
TCP Vegas	10	30.66	35.83	0.96
Verus	10	55.76	68.77	41.41
Copa	10	86.83	50.55	50.77
FillP	10	89.67	42.99	1.60
Indigo-1-32	10	91.98	34.14	0.25
Vivace-latency	10	72.28	35.64	0.16
Vivace-loss	10	86.87	65.28	4.67
Vivace-LTE	10	85.12	47.09	1.06

Run 1: Statistics of TCP BBR

Start at: 2018-04-10 13:12:44

End at: 2018-04-10 13:13:14

Local clock offset: 0.078 ms

Remote clock offset: -2.472 ms

# Below is generated by plot.py at 2018-04-10 17:41:18

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.17 Mbit/s

95th percentile per-packet one-way delay: 47.572 ms

Loss rate: 0.58%

-- Flow 1:

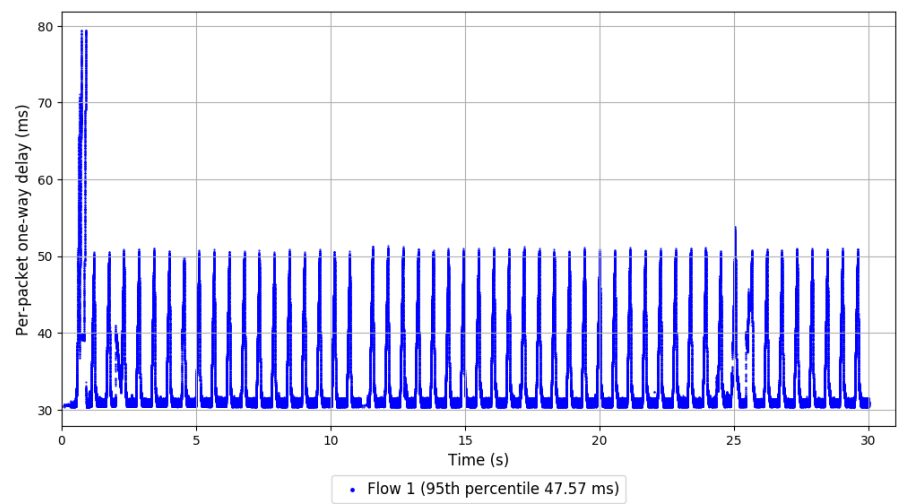
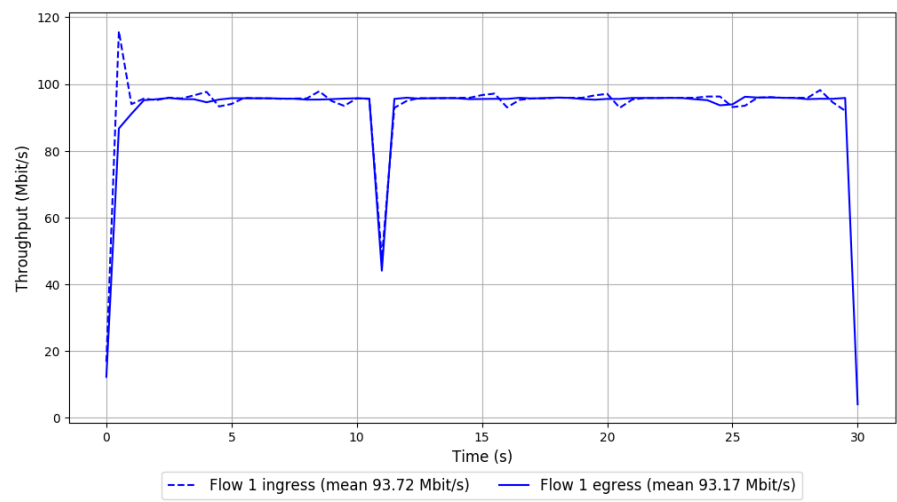
Average throughput: 93.17 Mbit/s

95th percentile per-packet one-way delay: 47.572 ms

Loss rate: 0.58%



Run 1: Report of TCP BBR — Data Link

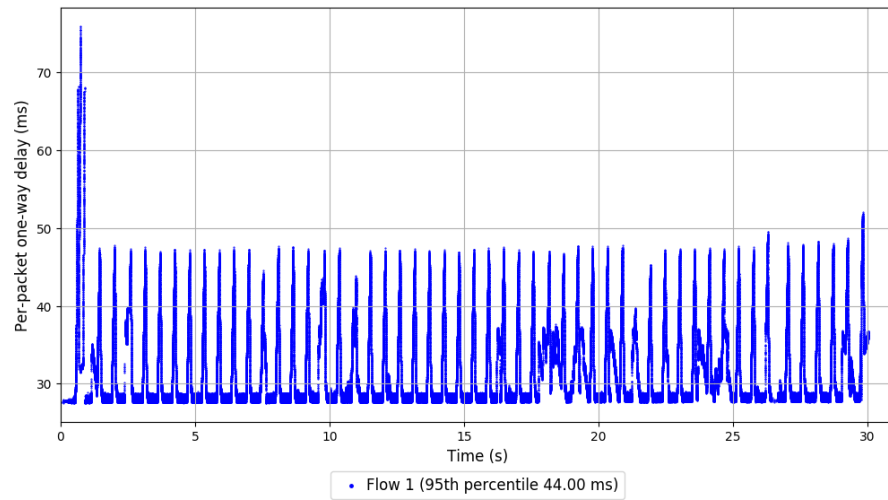
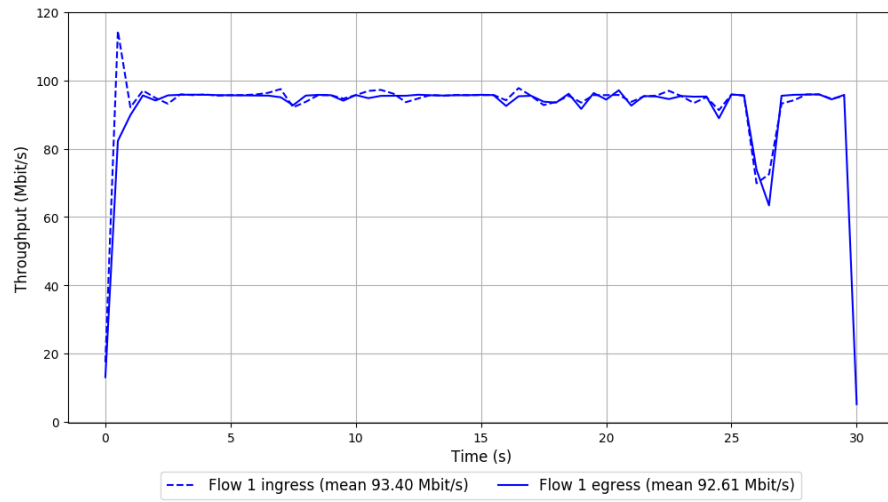


Run 2: Statistics of TCP BBR

Start at: 2018-04-10 13:37:07  
End at: 2018-04-10 13:37:37  
Local clock offset: 0.211 ms  
Remote clock offset: -3.172 ms

# Below is generated by plot.py at 2018-04-10 17:41:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.61 Mbit/s  
95th percentile per-packet one-way delay: 44.004 ms  
Loss rate: 0.81%  
-- Flow 1:  
Average throughput: 92.61 Mbit/s  
95th percentile per-packet one-way delay: 44.004 ms  
Loss rate: 0.81%

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

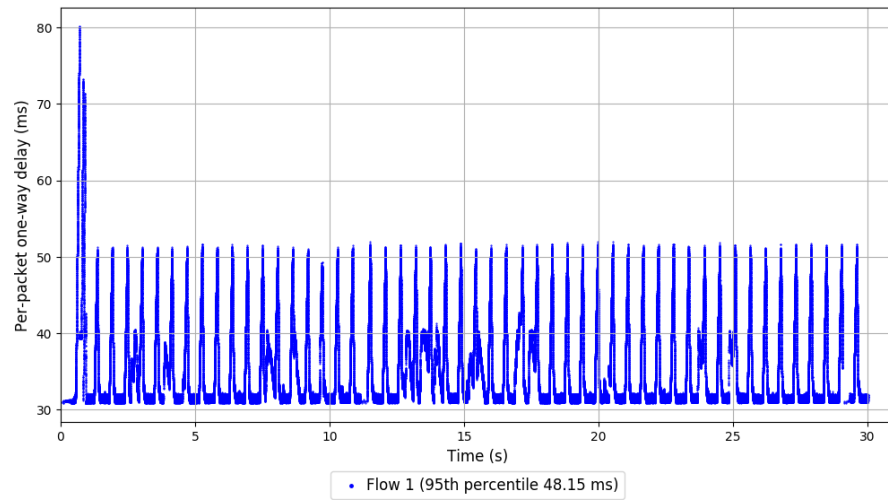
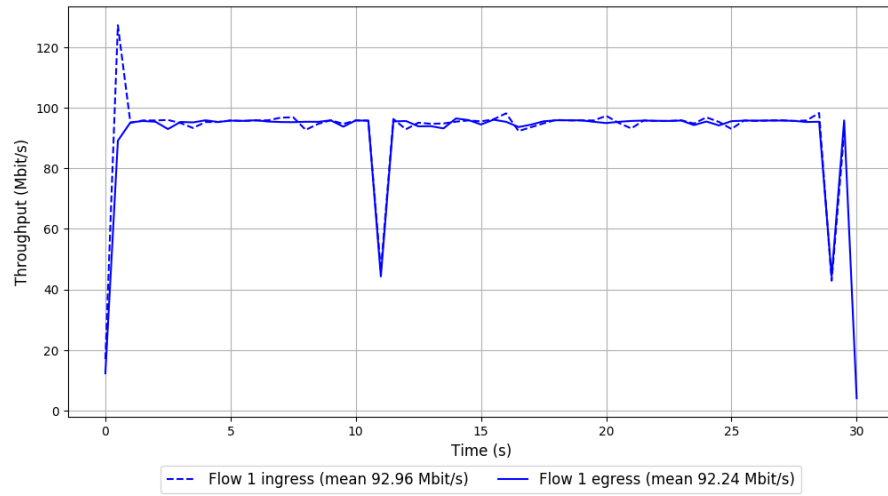


Run 3: Statistics of TCP BBR

Start at: 2018-04-10 14:01:11  
End at: 2018-04-10 14:01:41  
Local clock offset: 0.089 ms  
Remote clock offset: -3.033 ms

# Below is generated by plot.py at 2018-04-10 17:41:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.24 Mbit/s  
95th percentile per-packet one-way delay: 48.154 ms  
Loss rate: 0.77%  
-- Flow 1:  
Average throughput: 92.24 Mbit/s  
95th percentile per-packet one-way delay: 48.154 ms  
Loss rate: 0.77%

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



Run 4: Statistics of TCP BBR

Start at: 2018-04-10 14:25:25

End at: 2018-04-10 14:25:55

Local clock offset: 0.148 ms

Remote clock offset: -2.301 ms

# Below is generated by plot.py at 2018-04-10 17:41:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.63 Mbit/s

95th percentile per-packet one-way delay: 46.494 ms

Loss rate: 1.89%

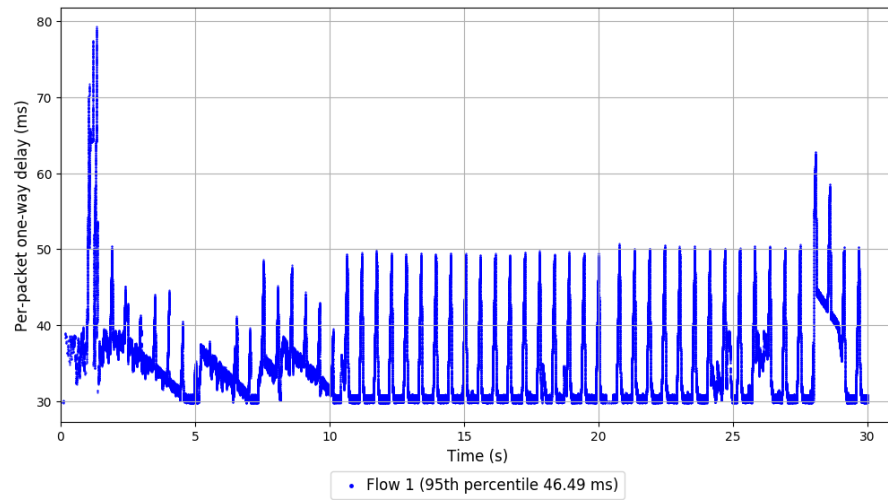
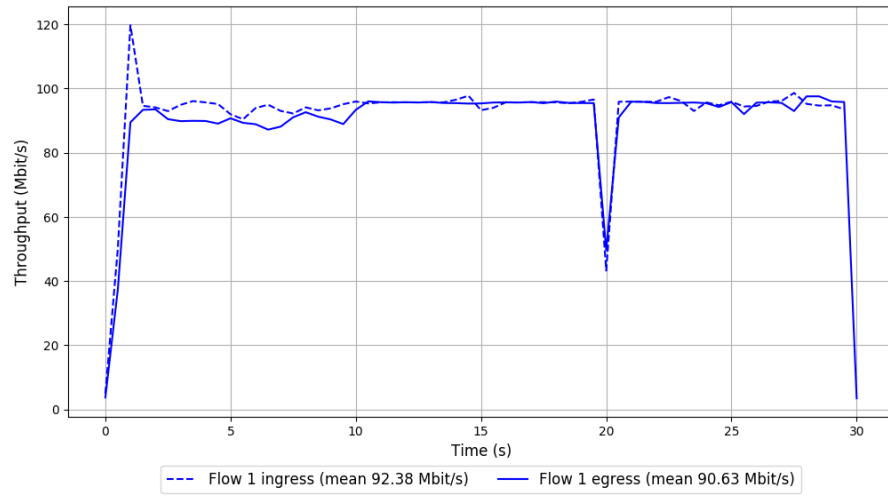
-- Flow 1:

Average throughput: 90.63 Mbit/s

95th percentile per-packet one-way delay: 46.494 ms

Loss rate: 1.89%

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



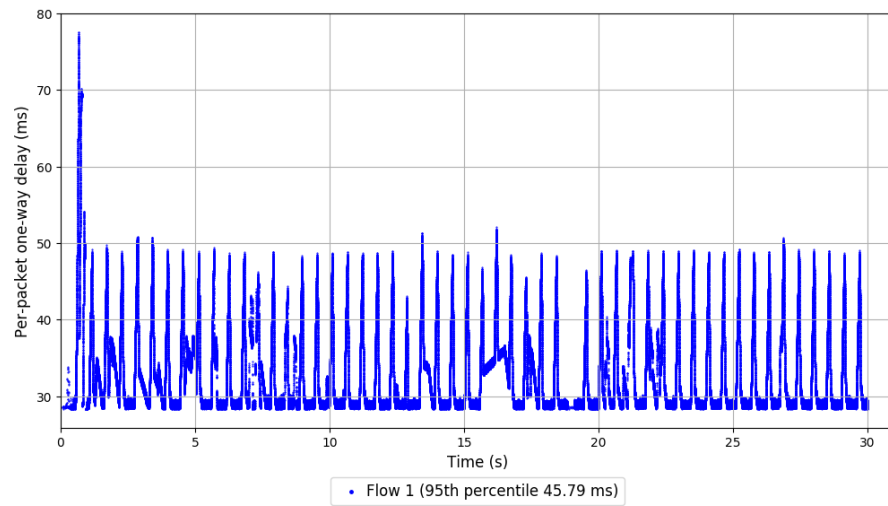
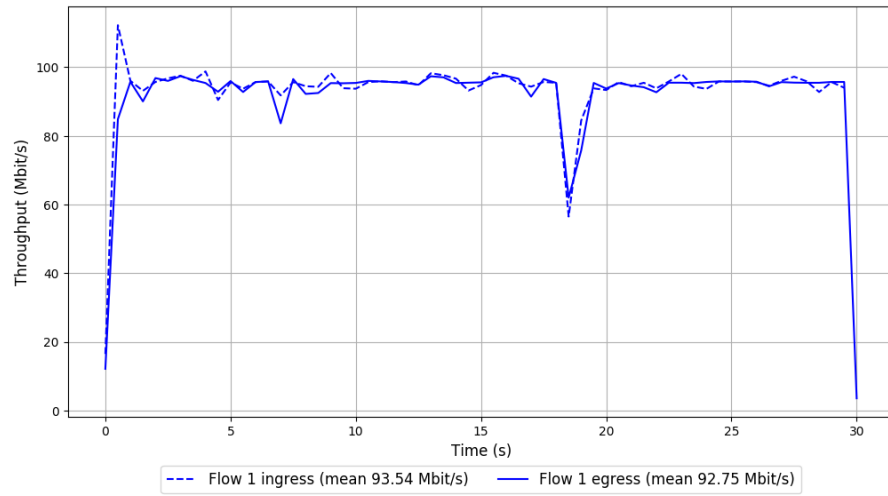
Run 5: Statistics of TCP BBR

Start at: 2018-04-10 14:50:19  
End at: 2018-04-10 14:50:49  
Local clock offset: 0.095 ms  
Remote clock offset: -3.927 ms

# Below is generated by plot.py at 2018-04-10 17:41:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.75 Mbit/s  
95th percentile per-packet one-way delay: 45.790 ms  
Loss rate: 0.84%  
-- Flow 1:  
Average throughput: 92.75 Mbit/s  
95th percentile per-packet one-way delay: 45.790 ms  
Loss rate: 0.84%



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

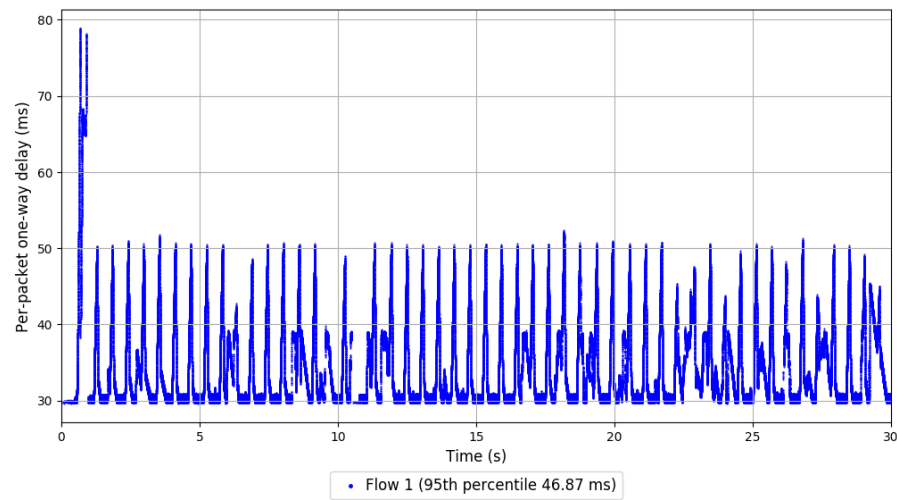
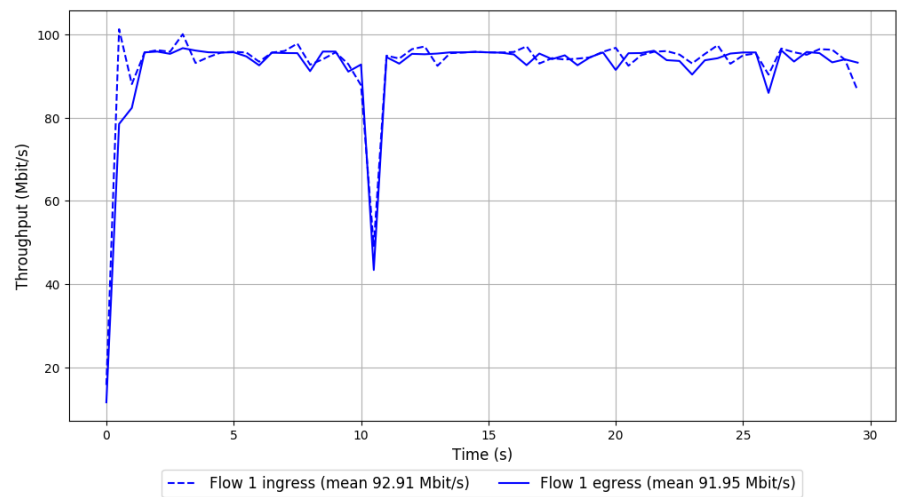


Run 6: Statistics of TCP BBR

Start at: 2018-04-10 15:14:42  
End at: 2018-04-10 15:15:12  
Local clock offset: 0.002 ms  
Remote clock offset: -2.054 ms

# Below is generated by plot.py at 2018-04-10 17:41:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 91.95 Mbit/s  
95th percentile per-packet one-way delay: 46.867 ms  
Loss rate: 1.03%  
-- Flow 1:  
Average throughput: 91.95 Mbit/s  
95th percentile per-packet one-way delay: 46.867 ms  
Loss rate: 1.03%

Run 6: Report of TCP BBR — Data Link

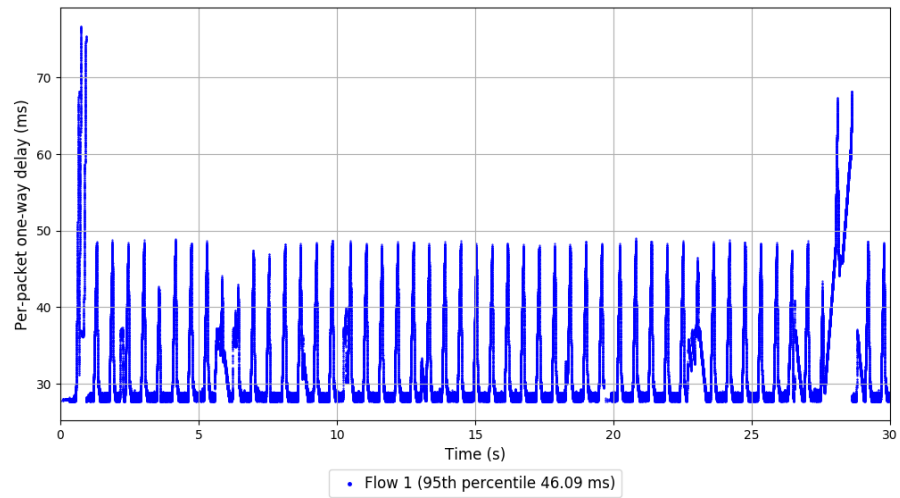
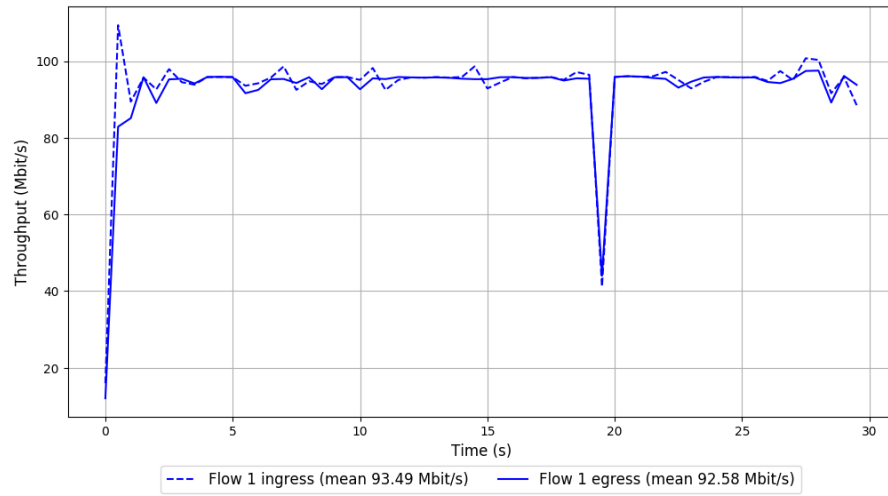


Run 7: Statistics of TCP BBR

Start at: 2018-04-10 15:39:29  
End at: 2018-04-10 15:39:59  
Local clock offset: 0.244 ms  
Remote clock offset: -4.102 ms

# Below is generated by plot.py at 2018-04-10 17:41:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.58 Mbit/s  
95th percentile per-packet one-way delay: 46.085 ms  
Loss rate: 0.97%  
-- Flow 1:  
Average throughput: 92.58 Mbit/s  
95th percentile per-packet one-way delay: 46.085 ms  
Loss rate: 0.97%

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



Run 8: Statistics of TCP BBR

Start at: 2018-04-10 16:04:26

End at: 2018-04-10 16:04:57

Local clock offset: 0.18 ms

Remote clock offset: -4.54 ms

# Below is generated by plot.py at 2018-04-10 17:41:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.98 Mbit/s

95th percentile per-packet one-way delay: 44.652 ms

Loss rate: 0.82%

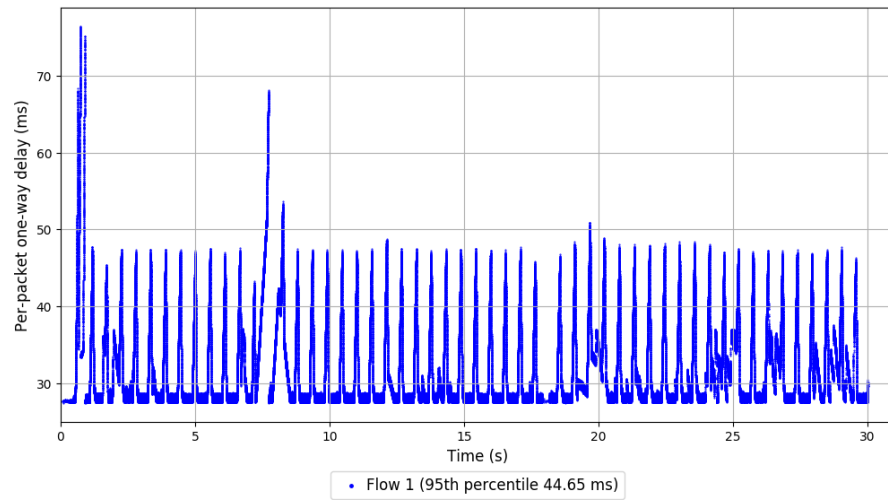
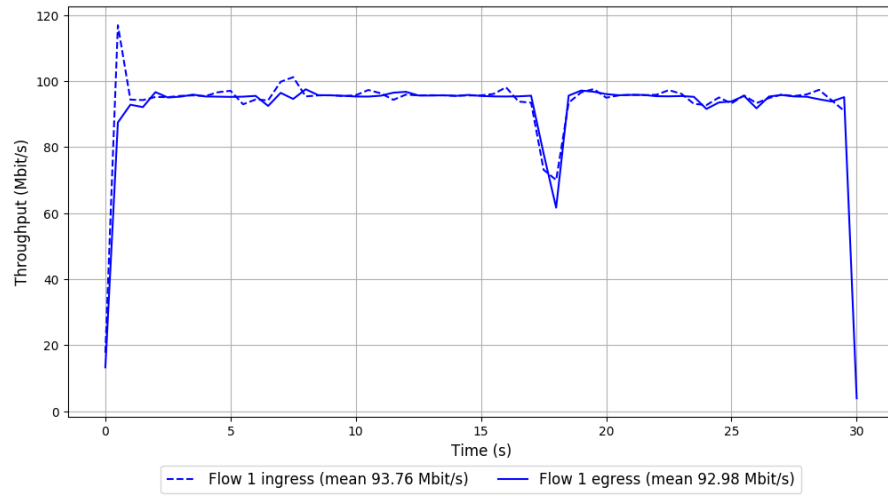
-- Flow 1:

Average throughput: 92.98 Mbit/s

95th percentile per-packet one-way delay: 44.652 ms

Loss rate: 0.82%

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



Run 9: Statistics of TCP BBR

Start at: 2018-04-10 16:30:32

End at: 2018-04-10 16:31:02

Local clock offset: -0.26 ms

Remote clock offset: -2.178 ms

# Below is generated by plot.py at 2018-04-10 17:42:43

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.49 Mbit/s

95th percentile per-packet one-way delay: 48.525 ms

Loss rate: 0.73%

-- Flow 1:

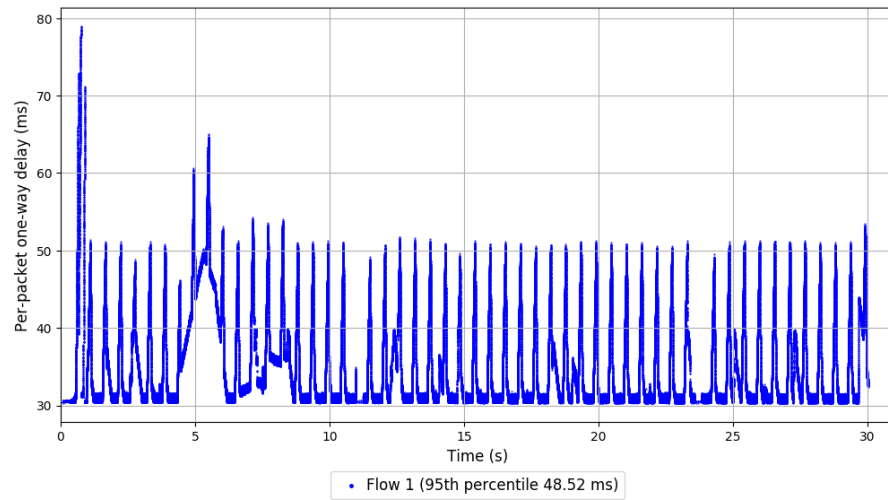
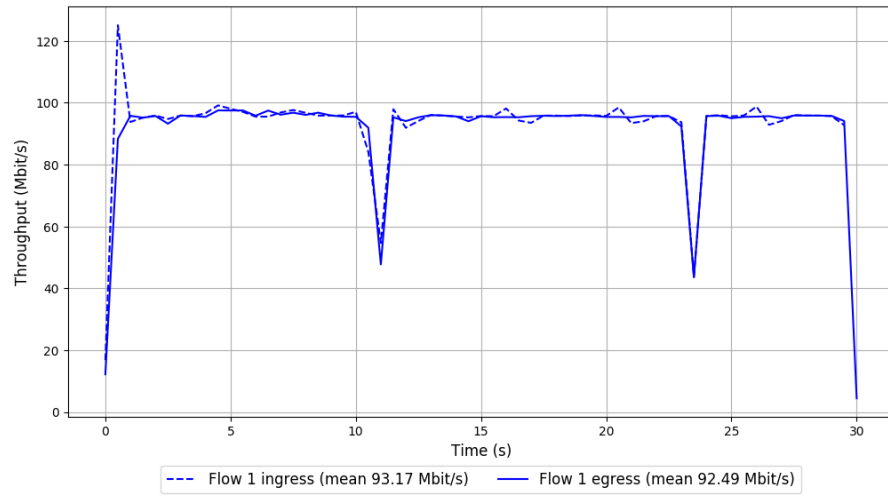
Average throughput: 92.49 Mbit/s

95th percentile per-packet one-way delay: 48.525 ms

Loss rate: 0.73%



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

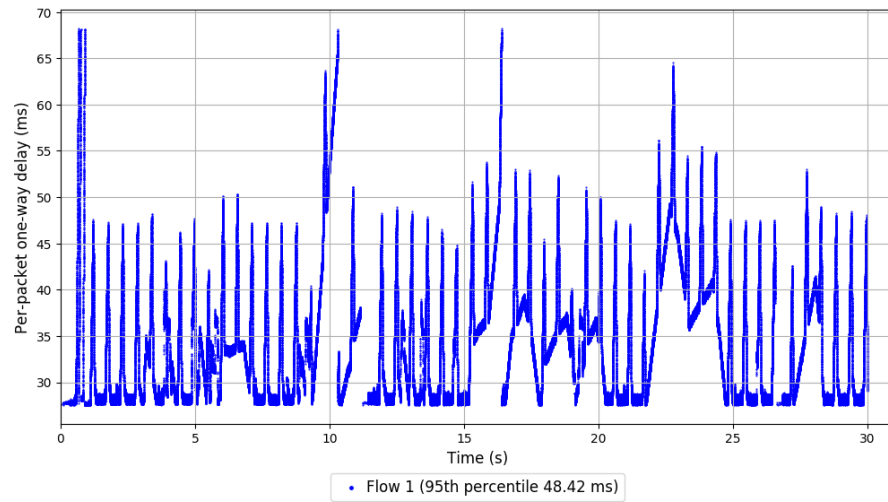
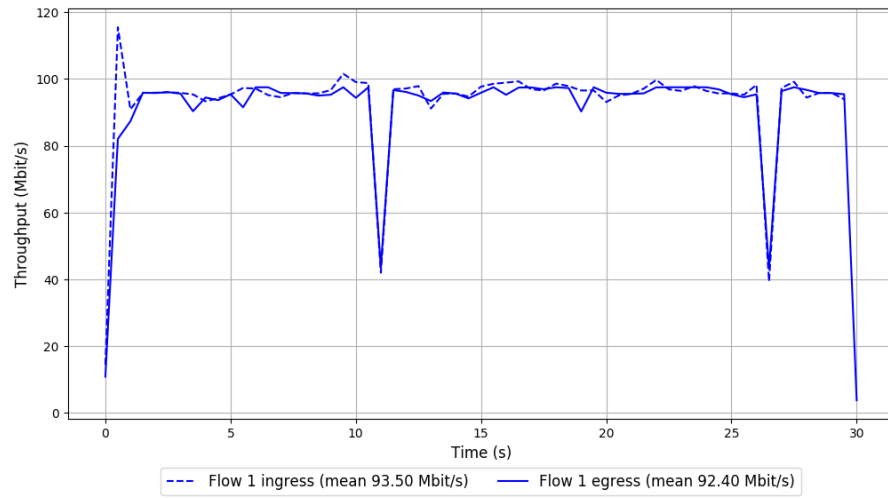


Run 10: Statistics of TCP BBR

Start at: 2018-04-10 16:56:25  
End at: 2018-04-10 16:56:55  
Local clock offset: -0.431 ms  
Remote clock offset: -2.635 ms

# Below is generated by plot.py at 2018-04-10 17:42:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.40 Mbit/s  
95th percentile per-packet one-way delay: 48.424 ms  
Loss rate: 1.17%  
-- Flow 1:  
Average throughput: 92.40 Mbit/s  
95th percentile per-packet one-way delay: 48.424 ms  
Loss rate: 1.17%

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

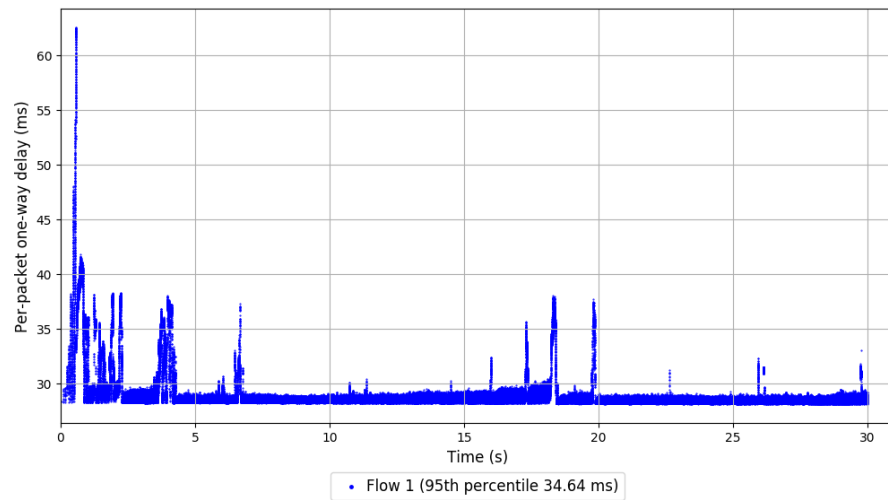
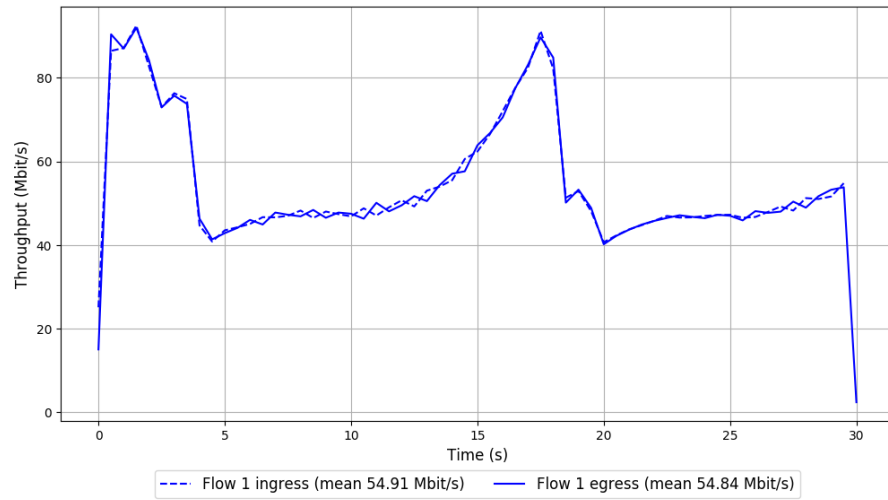


Run 1: Statistics of TCP Cubic

Start at: 2018-04-10 13:02:58  
End at: 2018-04-10 13:03:28  
Local clock offset: -0.104 ms  
Remote clock offset: -6.778 ms

# Below is generated by plot.py at 2018-04-10 17:42:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 54.84 Mbit/s  
95th percentile per-packet one-way delay: 34.639 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 54.84 Mbit/s  
95th percentile per-packet one-way delay: 34.639 ms  
Loss rate: 0.13%

# Run 1: Report of TCP Cubic — Data Link

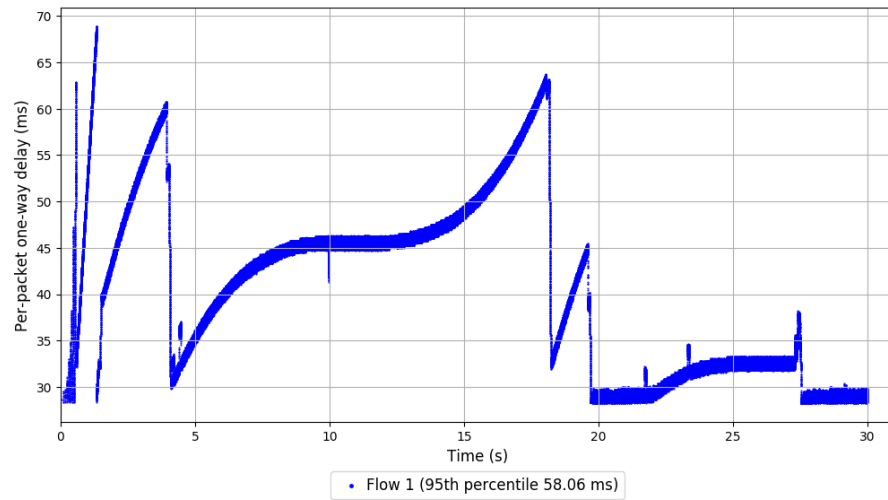
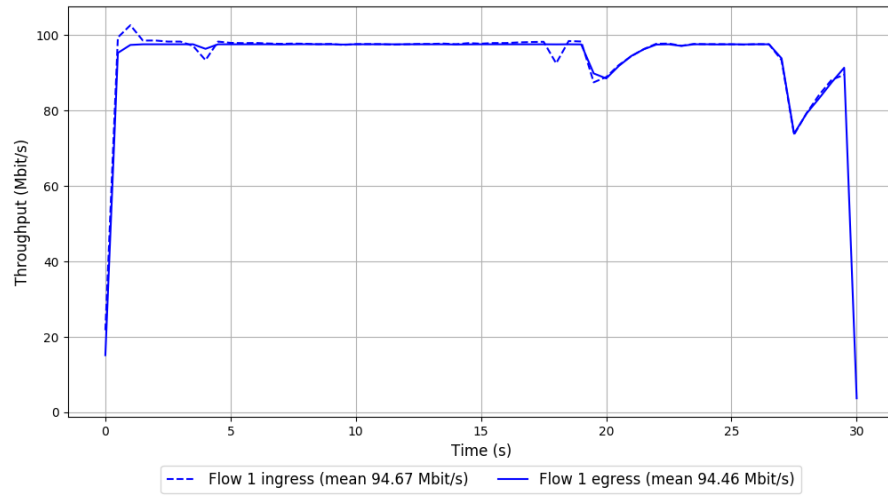


Run 2: Statistics of TCP Cubic

Start at: 2018-04-10 13:27:25  
End at: 2018-04-10 13:27:55  
Local clock offset: 0.221 ms  
Remote clock offset: -3.327 ms

# Below is generated by plot.py at 2018-04-10 17:42:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.46 Mbit/s  
95th percentile per-packet one-way delay: 58.056 ms  
Loss rate: 0.23%  
-- Flow 1:  
Average throughput: 94.46 Mbit/s  
95th percentile per-packet one-way delay: 58.056 ms  
Loss rate: 0.23%

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



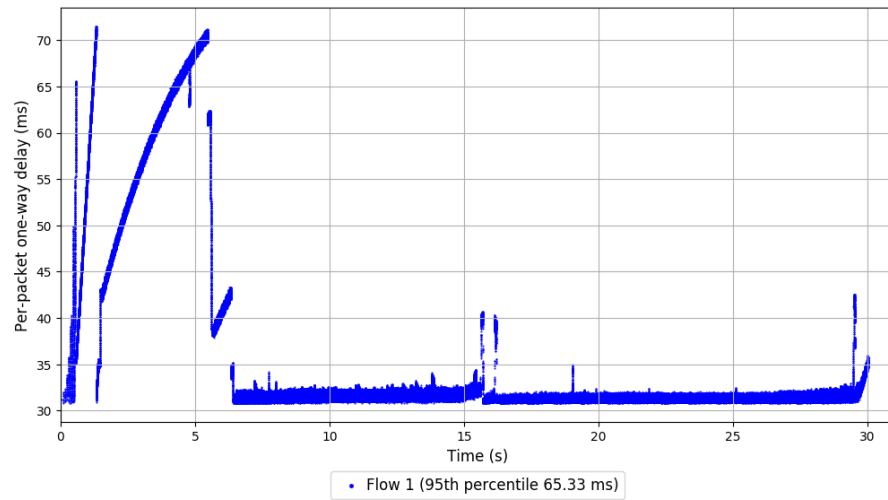
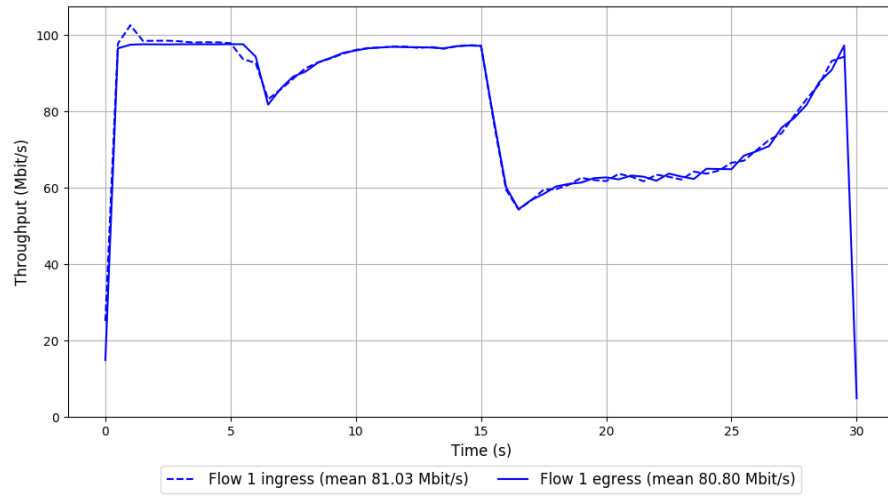
Run 3: Statistics of TCP Cubic

Start at: 2018-04-10 13:51:39  
End at: 2018-04-10 13:52:09  
Local clock offset: 0.19 ms  
Remote clock offset: -2.563 ms

# Below is generated by plot.py at 2018-04-10 17:42:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 80.80 Mbit/s  
95th percentile per-packet one-way delay: 65.332 ms  
Loss rate: 0.27%  
-- Flow 1:  
Average throughput: 80.80 Mbit/s  
95th percentile per-packet one-way delay: 65.332 ms  
Loss rate: 0.27%



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

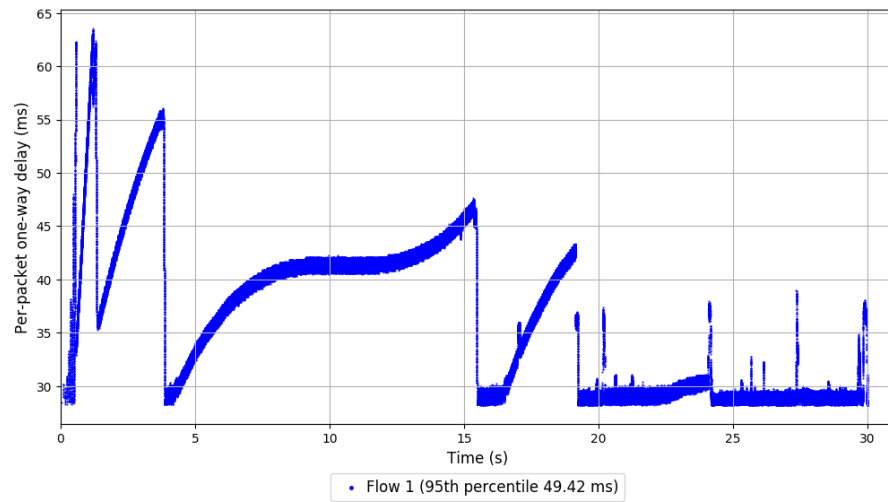
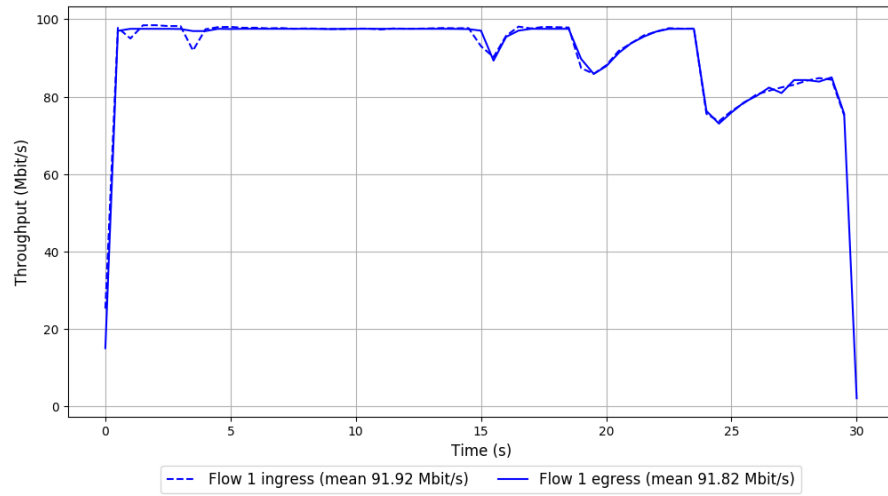


Run 4: Statistics of TCP Cubic

Start at: 2018-04-10 14:15:51  
End at: 2018-04-10 14:16:21  
Local clock offset: 0.128 ms  
Remote clock offset: -5.219 ms

# Below is generated by plot.py at 2018-04-10 17:42:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 91.82 Mbit/s  
95th percentile per-packet one-way delay: 49.422 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 91.82 Mbit/s  
95th percentile per-packet one-way delay: 49.422 ms  
Loss rate: 0.11%

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

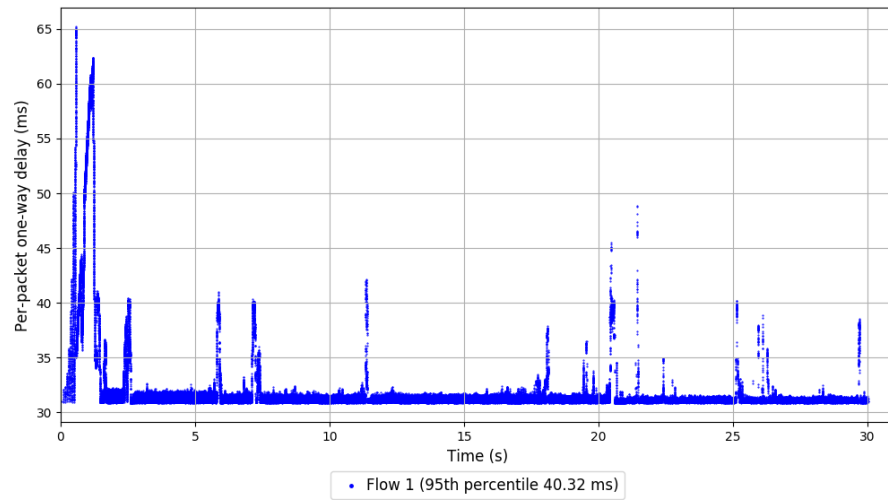
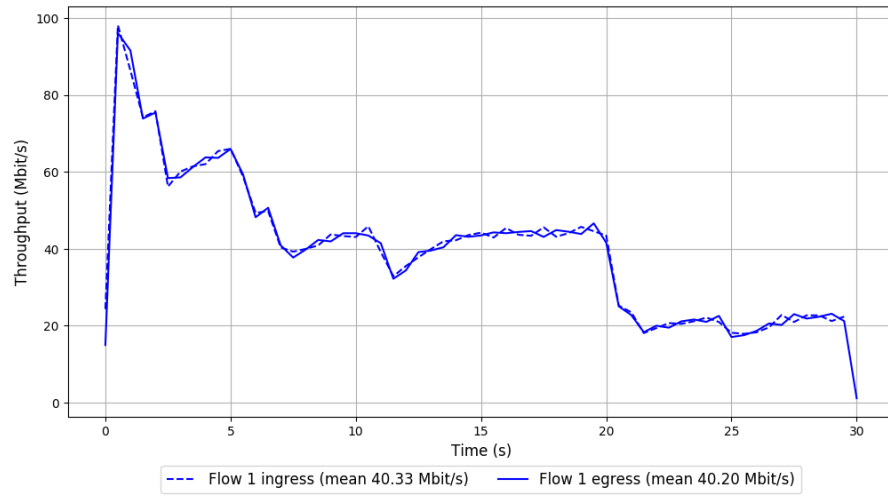


Run 5: Statistics of TCP Cubic

Start at: 2018-04-10 14:40:09  
End at: 2018-04-10 14:40:39  
Local clock offset: 0.249 ms  
Remote clock offset: -1.223 ms

# Below is generated by plot.py at 2018-04-10 17:42:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 40.20 Mbit/s  
95th percentile per-packet one-way delay: 40.323 ms  
Loss rate: 0.33%  
-- Flow 1:  
Average throughput: 40.20 Mbit/s  
95th percentile per-packet one-way delay: 40.323 ms  
Loss rate: 0.33%

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

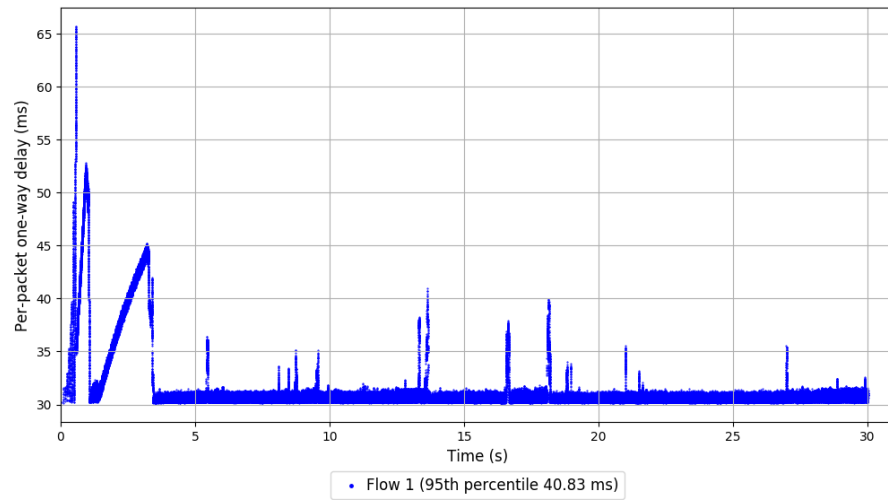
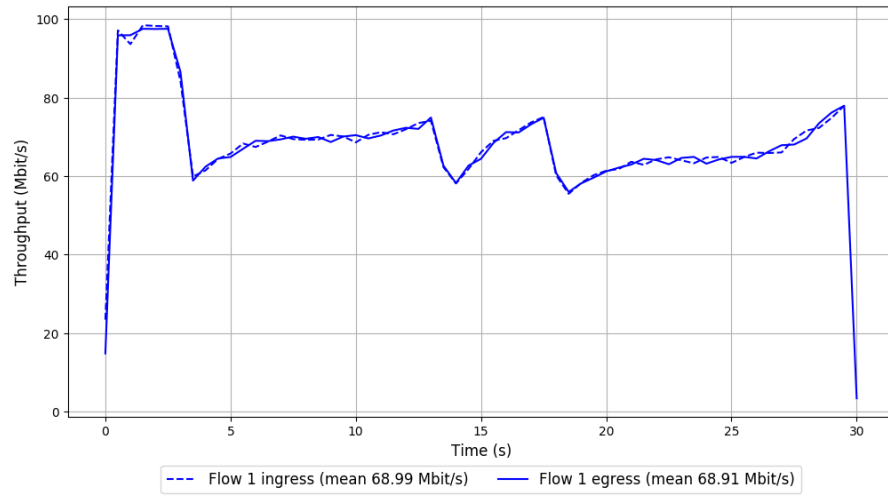


Run 6: Statistics of TCP Cubic

Start at: 2018-04-10 15:05:09  
End at: 2018-04-10 15:05:40  
Local clock offset: -0.031 ms  
Remote clock offset: -1.531 ms

# Below is generated by plot.py at 2018-04-10 17:42:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 68.91 Mbit/s  
95th percentile per-packet one-way delay: 40.831 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 68.91 Mbit/s  
95th percentile per-packet one-way delay: 40.831 ms  
Loss rate: 0.11%

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



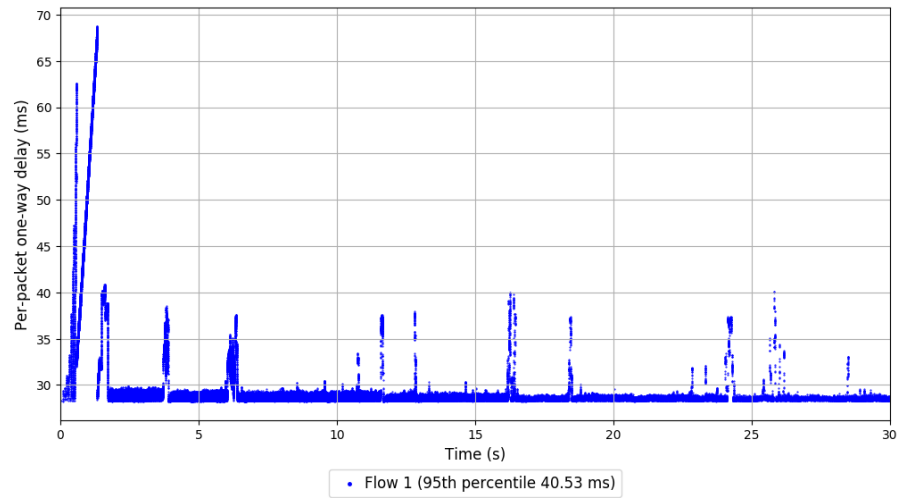
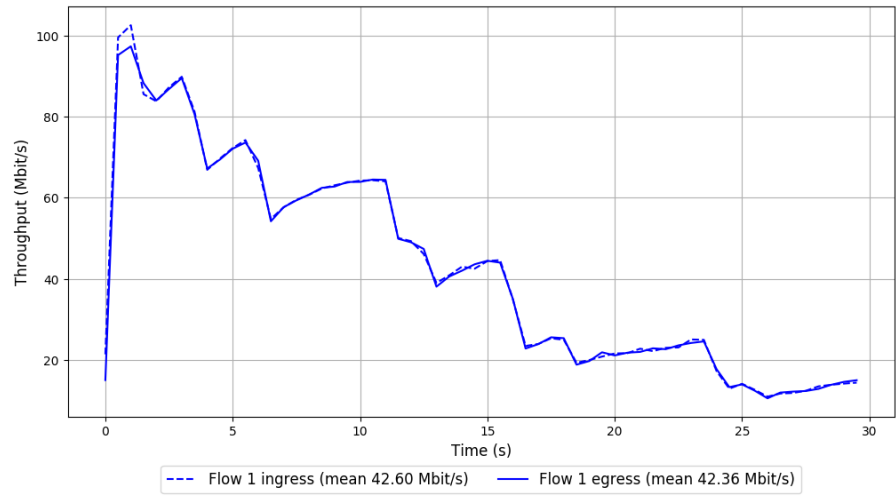
Run 7: Statistics of TCP Cubic

Start at: 2018-04-10 15:29:41  
End at: 2018-04-10 15:30:11  
Local clock offset: 0.245 ms  
Remote clock offset: -4.082 ms

# Below is generated by plot.py at 2018-04-10 17:42:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 42.36 Mbit/s  
95th percentile per-packet one-way delay: 40.530 ms  
Loss rate: 0.58%  
-- Flow 1:  
Average throughput: 42.36 Mbit/s  
95th percentile per-packet one-way delay: 40.530 ms  
Loss rate: 0.58%



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

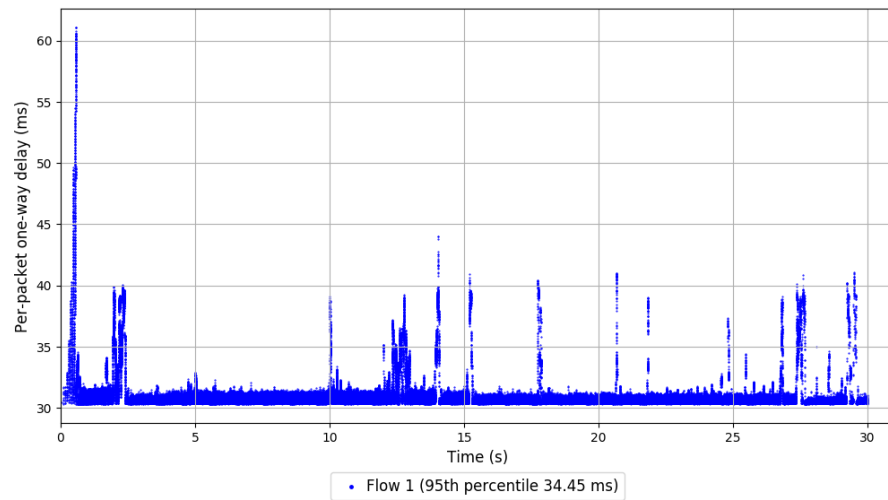
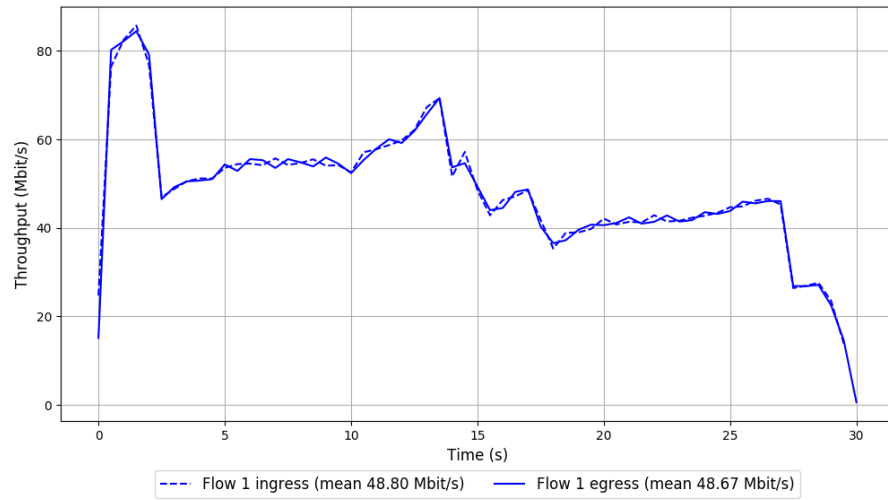


Run 8: Statistics of TCP Cubic

Start at: 2018-04-10 15:54:10  
End at: 2018-04-10 15:54:40  
Local clock offset: 0.436 ms  
Remote clock offset: -1.964 ms

# Below is generated by plot.py at 2018-04-10 17:42:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 48.67 Mbit/s  
95th percentile per-packet one-way delay: 34.454 ms  
Loss rate: 0.26%  
-- Flow 1:  
Average throughput: 48.67 Mbit/s  
95th percentile per-packet one-way delay: 34.454 ms  
Loss rate: 0.26%

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

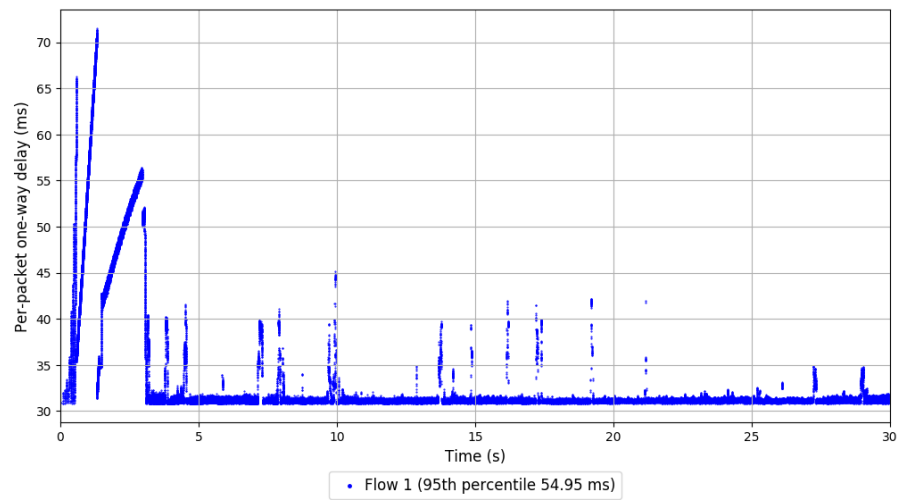
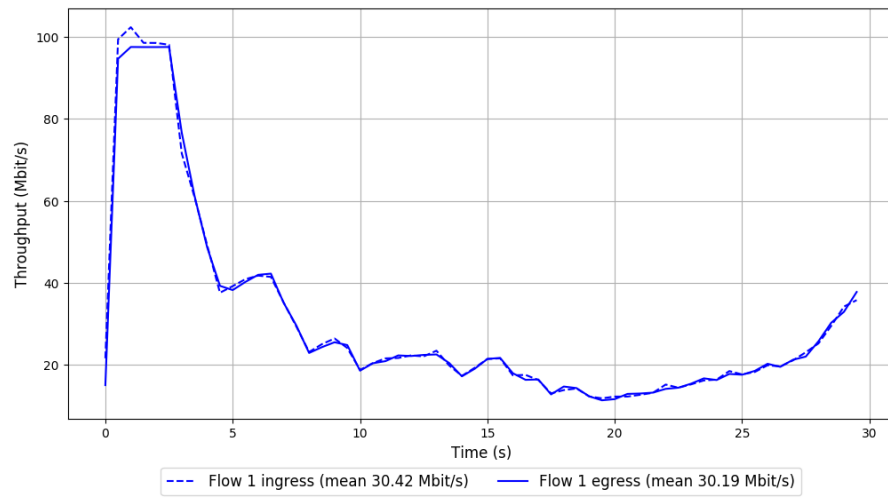


Run 9: Statistics of TCP Cubic

Start at: 2018-04-10 16:20:22  
End at: 2018-04-10 16:20:53  
Local clock offset: -0.161 ms  
Remote clock offset: -2.216 ms

# Below is generated by plot.py at 2018-04-10 17:42:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 30.19 Mbit/s  
95th percentile per-packet one-way delay: 54.947 ms  
Loss rate: 0.77%  
-- Flow 1:  
Average throughput: 30.19 Mbit/s  
95th percentile per-packet one-way delay: 54.947 ms  
Loss rate: 0.77%

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

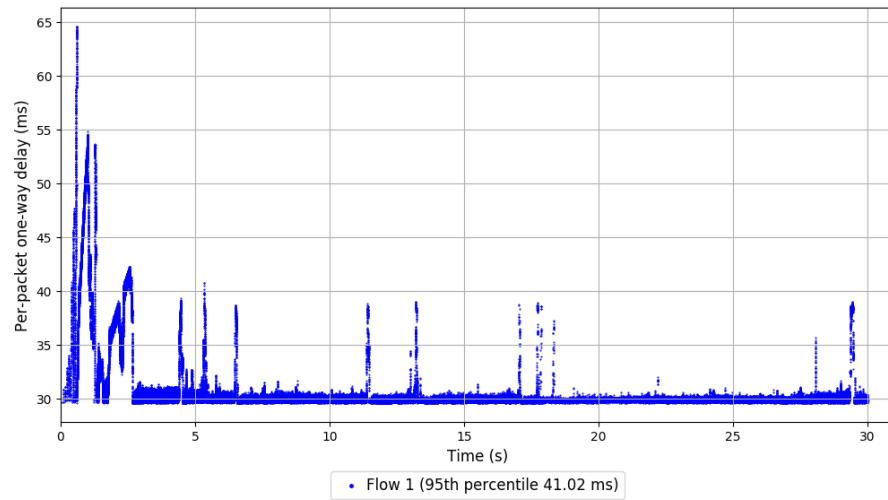
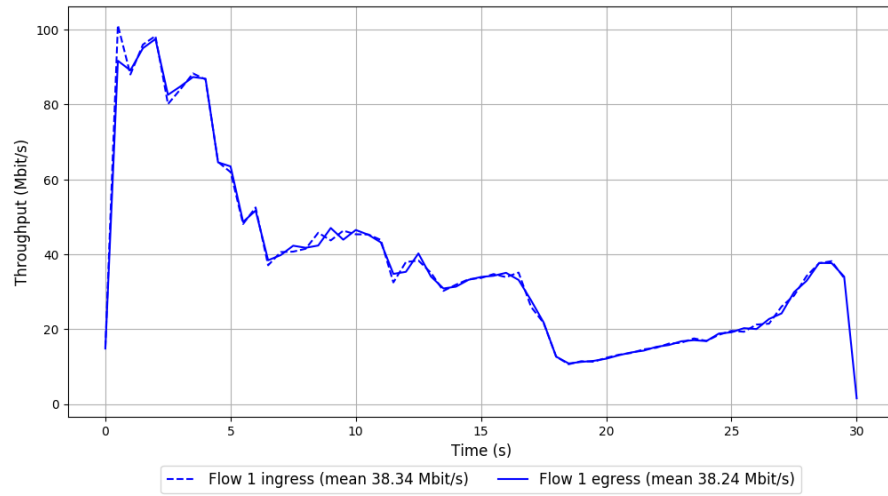


Run 10: Statistics of TCP Cubic

Start at: 2018-04-10 16:45:20  
End at: 2018-04-10 16:45:50  
Local clock offset: -0.315 ms  
Remote clock offset: -0.957 ms

# Below is generated by plot.py at 2018-04-10 17:43:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 38.24 Mbit/s  
95th percentile per-packet one-way delay: 41.022 ms  
Loss rate: 0.24%  
-- Flow 1:  
Average throughput: 38.24 Mbit/s  
95th percentile per-packet one-way delay: 41.022 ms  
Loss rate: 0.24%

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



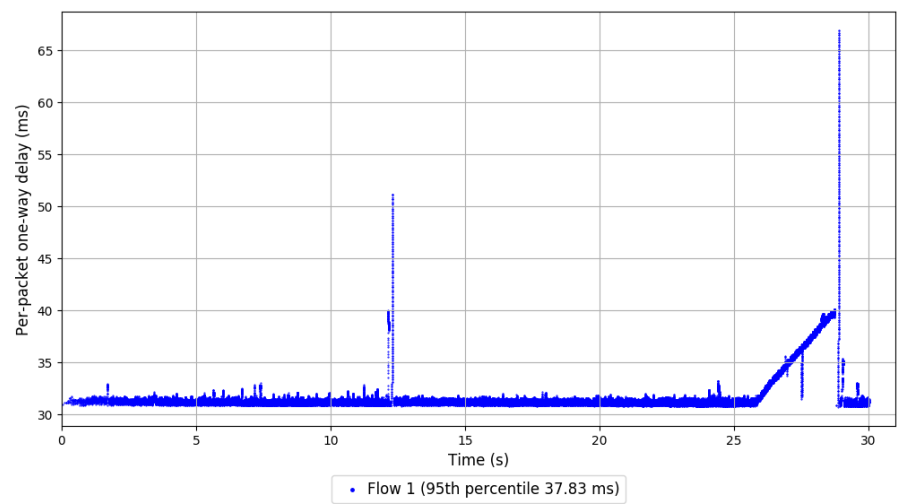
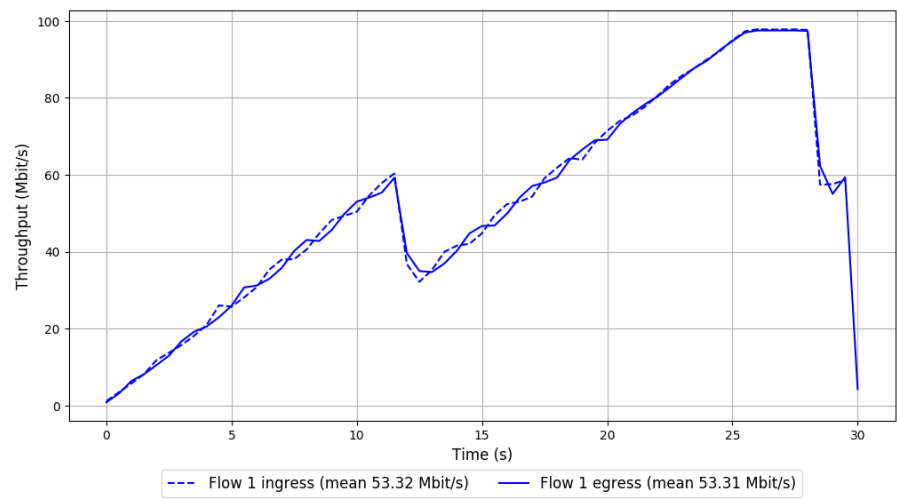
Run 1: Statistics of LEDBAT

Start at: 2018-04-10 13:07:19  
End at: 2018-04-10 13:07:49  
Local clock offset: -0.005 ms  
Remote clock offset: -2.974 ms

# Below is generated by plot.py at 2018-04-10 17:43:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 53.31 Mbit/s  
95th percentile per-packet one-way delay: 37.829 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 53.31 Mbit/s  
95th percentile per-packet one-way delay: 37.829 ms  
Loss rate: 0.01%



Run 1: Report of LEDBAT — Data Link

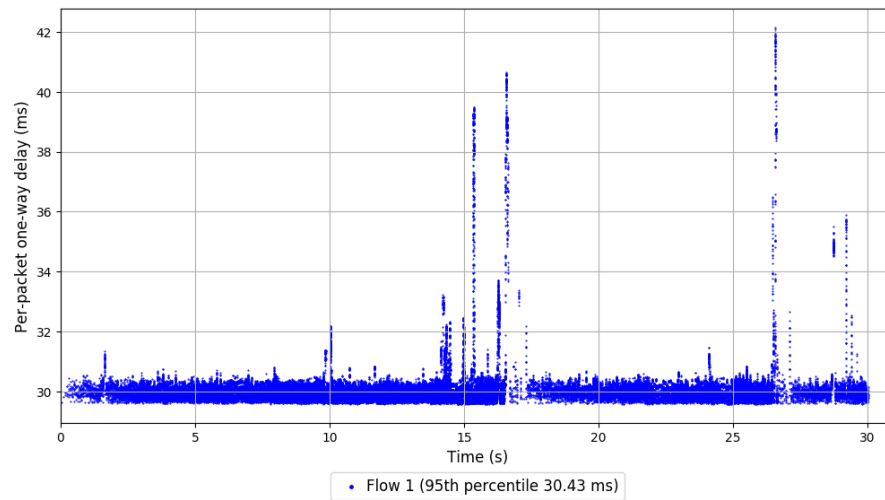
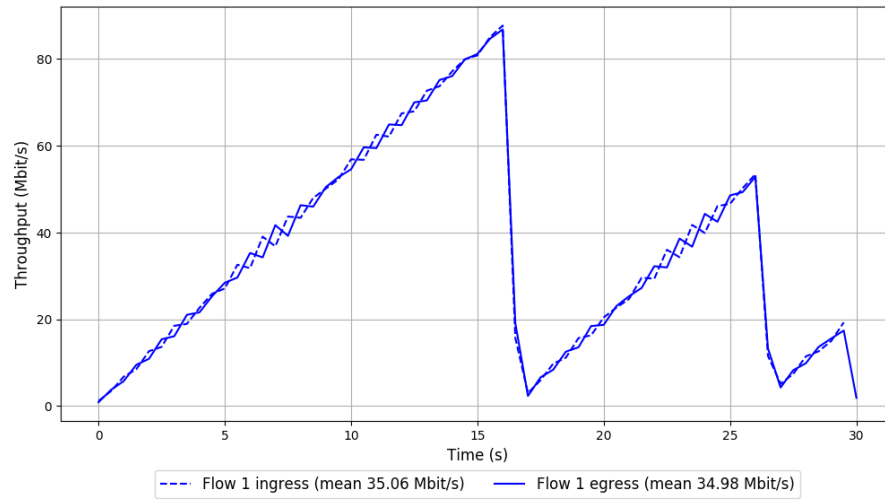


Run 2: Statistics of LEDBAT

Start at: 2018-04-10 13:31:44  
End at: 2018-04-10 13:32:14  
Local clock offset: 0.214 ms  
Remote clock offset: -1.188 ms

# Below is generated by plot.py at 2018-04-10 17:43:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 34.98 Mbit/s  
95th percentile per-packet one-way delay: 30.435 ms  
Loss rate: 0.22%  
-- Flow 1:  
Average throughput: 34.98 Mbit/s  
95th percentile per-packet one-way delay: 30.435 ms  
Loss rate: 0.22%

## Run 2: Report of LEDBAT — Data Link

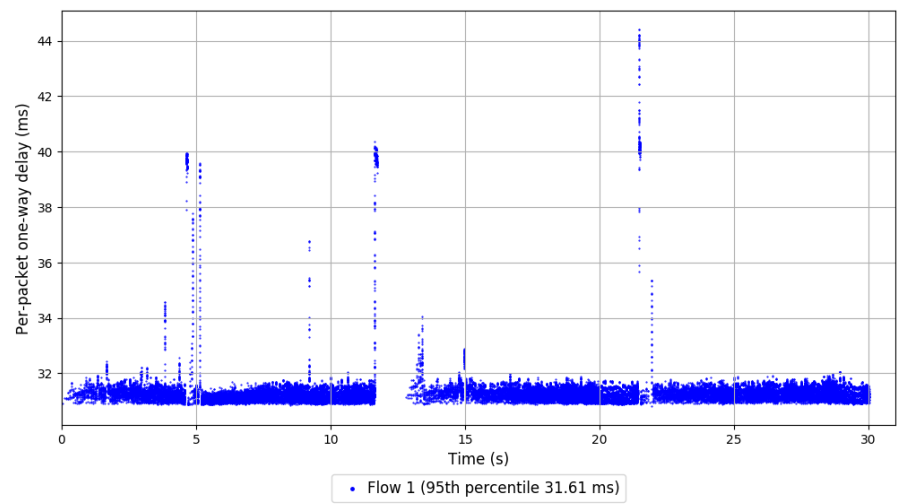
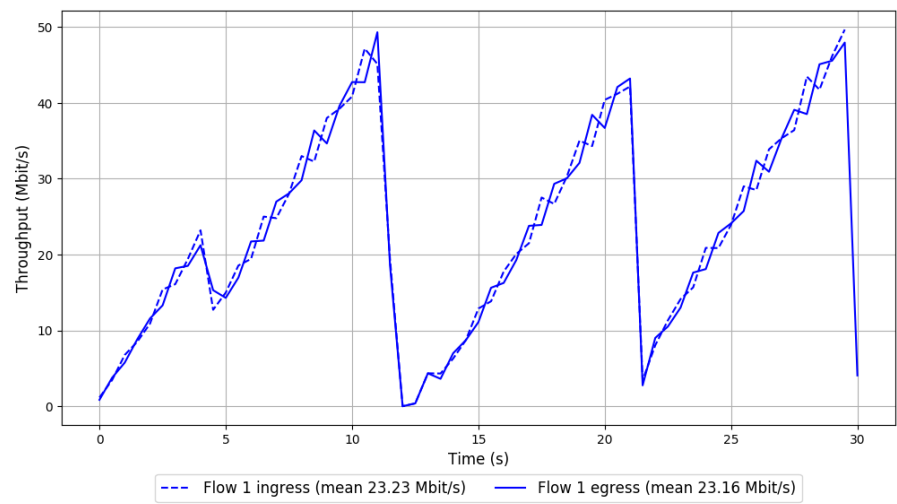


Run 3: Statistics of LEDBAT

Start at: 2018-04-10 13:55:46  
End at: 2018-04-10 13:56:16  
Local clock offset: 0.089 ms  
Remote clock offset: -2.814 ms

# Below is generated by plot.py at 2018-04-10 17:43:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 23.16 Mbit/s  
95th percentile per-packet one-way delay: 31.610 ms  
Loss rate: 0.29%  
-- Flow 1:  
Average throughput: 23.16 Mbit/s  
95th percentile per-packet one-way delay: 31.610 ms  
Loss rate: 0.29%

Run 3: Report of LEDBAT — Data Link

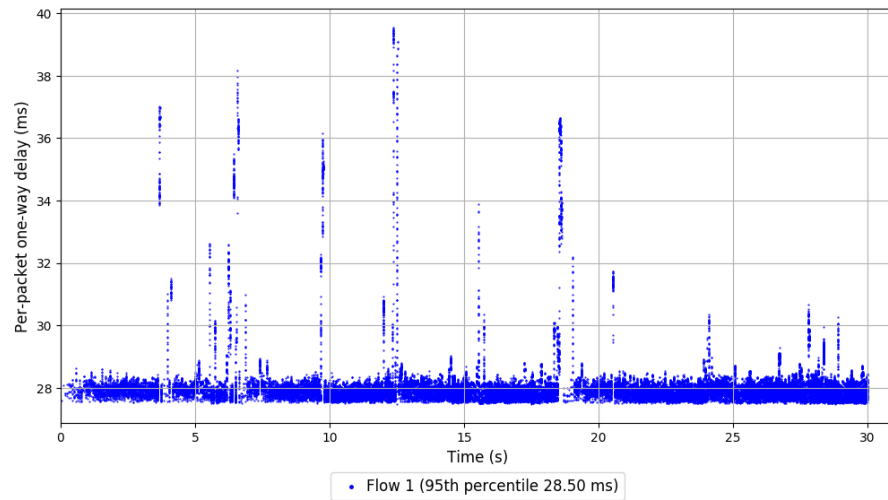
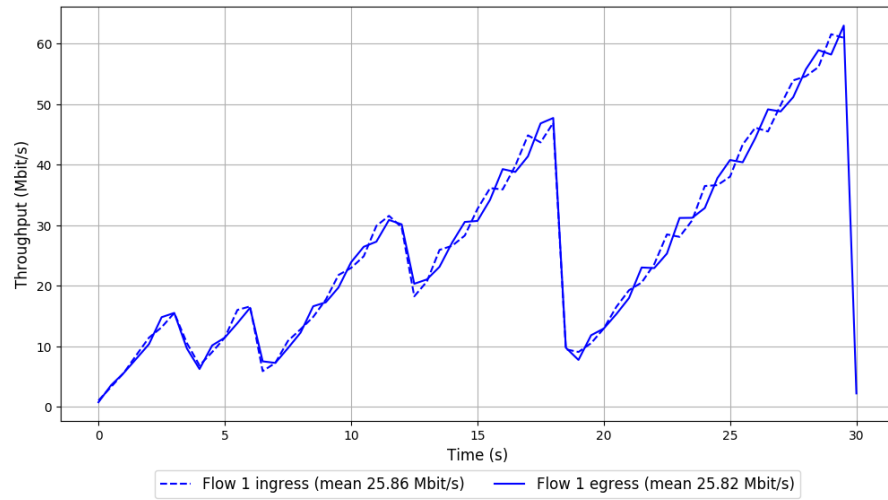


Run 4: Statistics of LEDBAT

Start at: 2018-04-10 14:20:01  
End at: 2018-04-10 14:20:31  
Local clock offset: 0.21 ms  
Remote clock offset: -4.764 ms

# Below is generated by plot.py at 2018-04-10 17:43:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 25.82 Mbit/s  
95th percentile per-packet one-way delay: 28.502 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 25.82 Mbit/s  
95th percentile per-packet one-way delay: 28.502 ms  
Loss rate: 0.15%

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



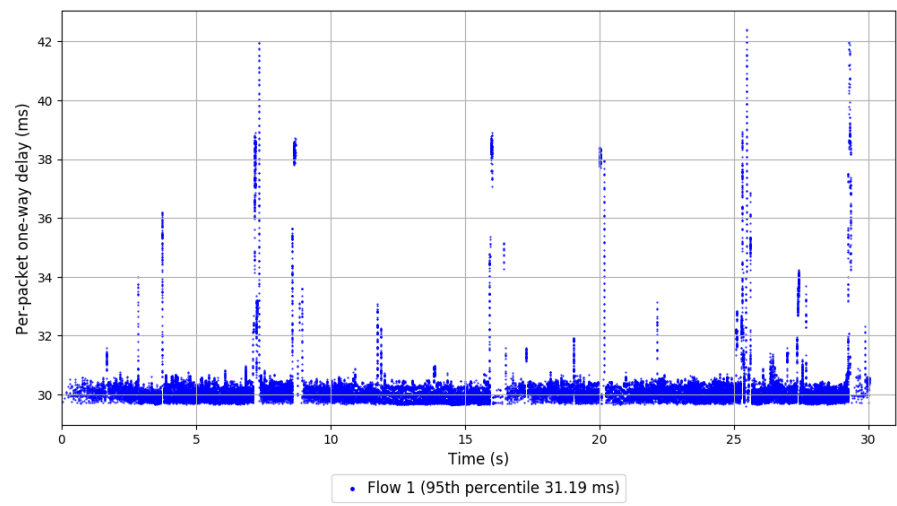
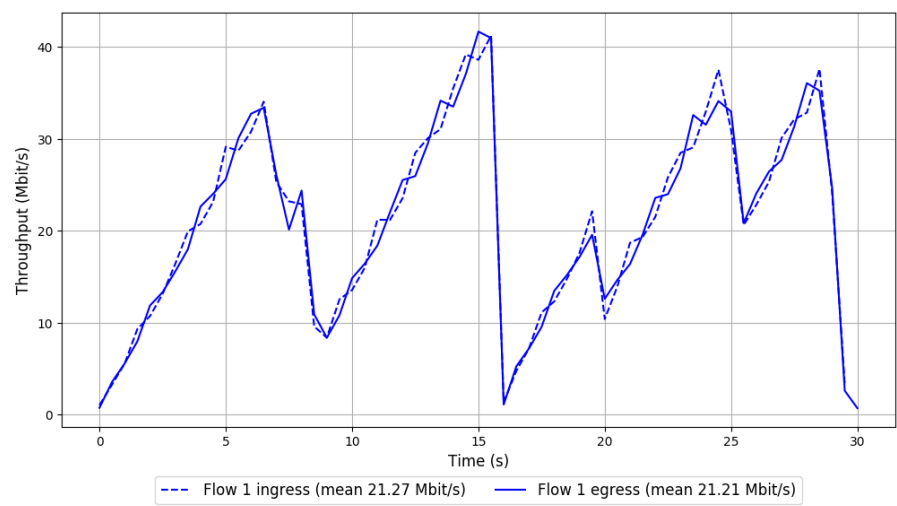
Run 5: Statistics of LEDBAT

Start at: 2018-04-10 14:44:43  
End at: 2018-04-10 14:45:13  
Local clock offset: 0.196 ms  
Remote clock offset: -1.614 ms

# Below is generated by plot.py at 2018-04-10 17:43:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 21.21 Mbit/s  
95th percentile per-packet one-way delay: 31.193 ms  
Loss rate: 0.28%  
-- Flow 1:  
Average throughput: 21.21 Mbit/s  
95th percentile per-packet one-way delay: 31.193 ms  
Loss rate: 0.28%



Run 5: Report of LEDBAT — Data Link

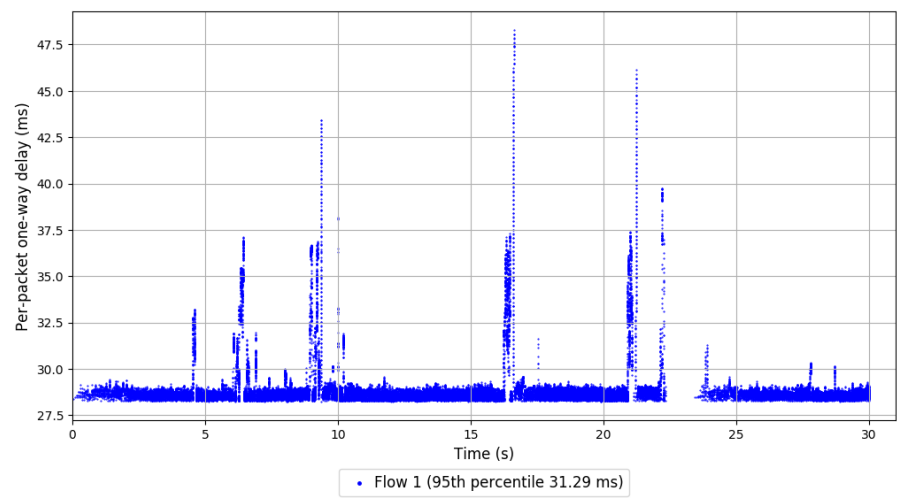
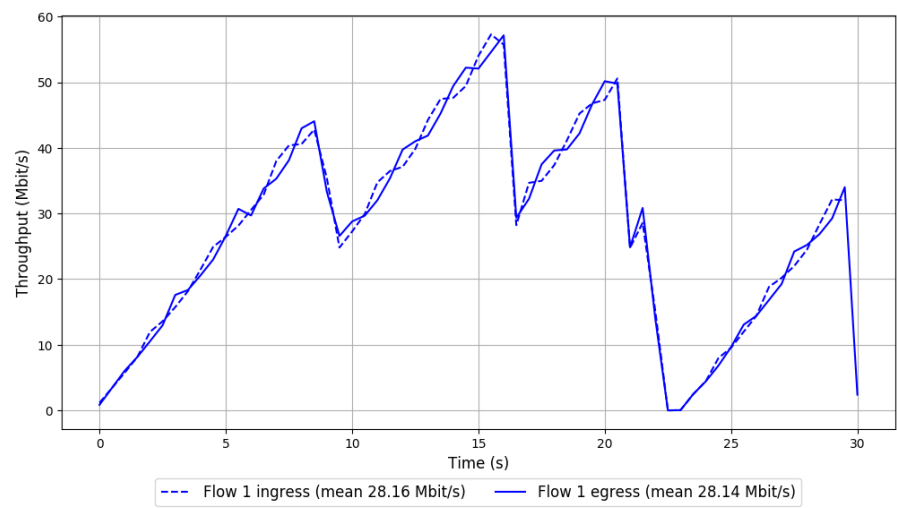


Run 6: Statistics of LEDBAT

Start at: 2018-04-10 15:09:18  
End at: 2018-04-10 15:09:48  
Local clock offset: 0.035 ms  
Remote clock offset: -4.073 ms

# Below is generated by plot.py at 2018-04-10 17:43:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 28.14 Mbit/s  
95th percentile per-packet one-way delay: 31.288 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 28.14 Mbit/s  
95th percentile per-packet one-way delay: 31.288 ms  
Loss rate: 0.08%

Run 6: Report of LEDBAT — Data Link

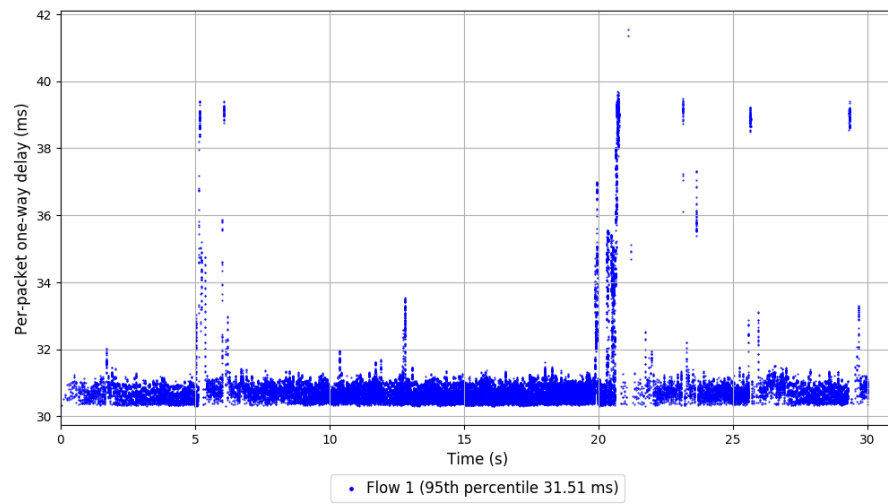
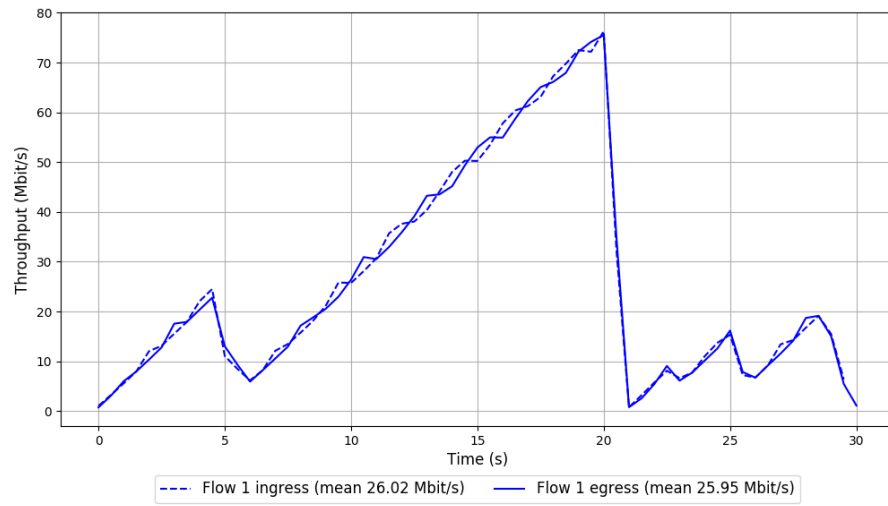


Run 7: Statistics of LEDBAT

Start at: 2018-04-10 15:33:50  
End at: 2018-04-10 15:34:20  
Local clock offset: 0.29 ms  
Remote clock offset: -2.035 ms

# Below is generated by plot.py at 2018-04-10 17:43:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 25.95 Mbit/s  
95th percentile per-packet one-way delay: 31.513 ms  
Loss rate: 0.26%  
-- Flow 1:  
Average throughput: 25.95 Mbit/s  
95th percentile per-packet one-way delay: 31.513 ms  
Loss rate: 0.26%

## Run 7: Report of LEDBAT — Data Link

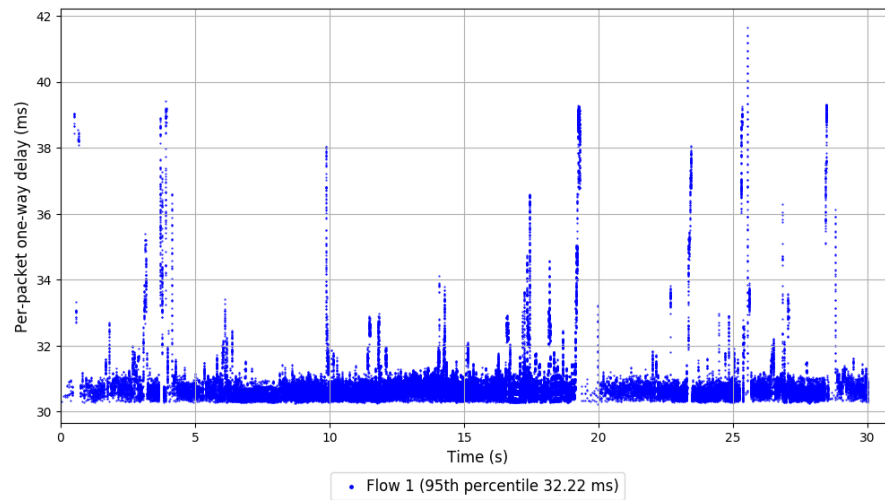
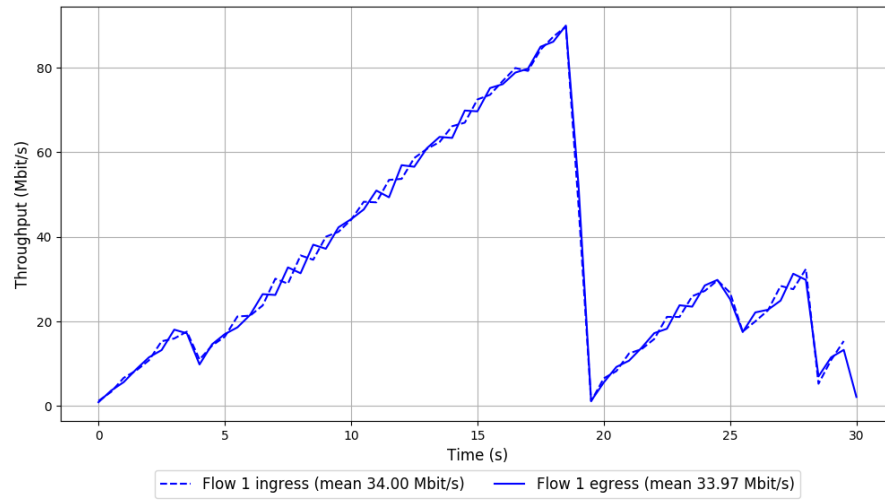


Run 8: Statistics of LEDBAT

Start at: 2018-04-10 15:58:43  
End at: 2018-04-10 15:59:13  
Local clock offset: 0.184 ms  
Remote clock offset: -1.686 ms

# Below is generated by plot.py at 2018-04-10 17:43:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 33.97 Mbit/s  
95th percentile per-packet one-way delay: 32.217 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 33.97 Mbit/s  
95th percentile per-packet one-way delay: 32.217 ms  
Loss rate: 0.08%

# Run 8: Report of LEDBAT — Data Link



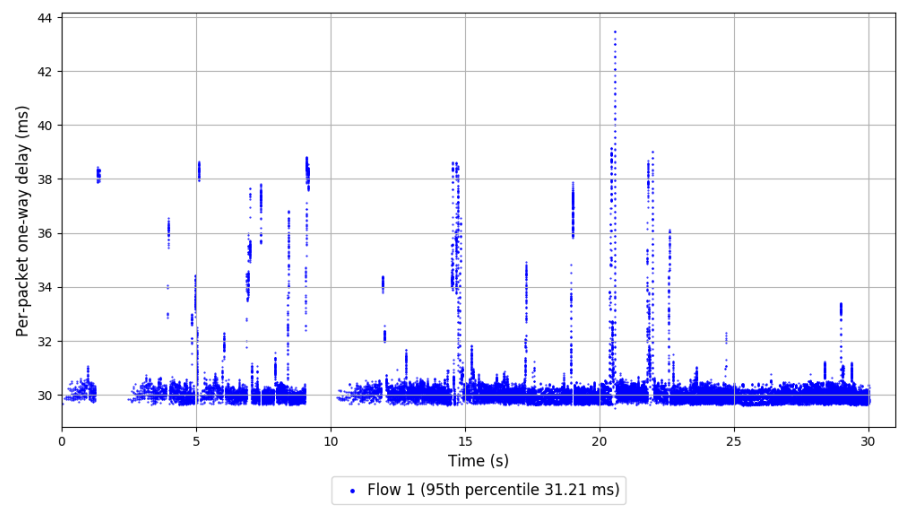
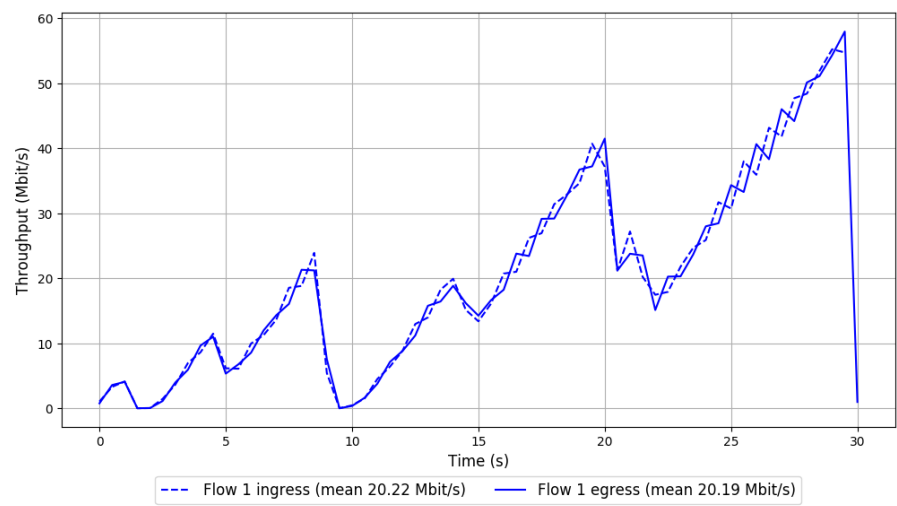
Run 9: Statistics of LEDBAT

Start at: 2018-04-10 16:25:04  
End at: 2018-04-10 16:25:34  
Local clock offset: -0.128 ms  
Remote clock offset: -2.713 ms

# Below is generated by plot.py at 2018-04-10 17:43:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 20.19 Mbit/s  
95th percentile per-packet one-way delay: 31.208 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 20.19 Mbit/s  
95th percentile per-packet one-way delay: 31.208 ms  
Loss rate: 0.13%



Run 9: Report of LEDBAT — Data Link

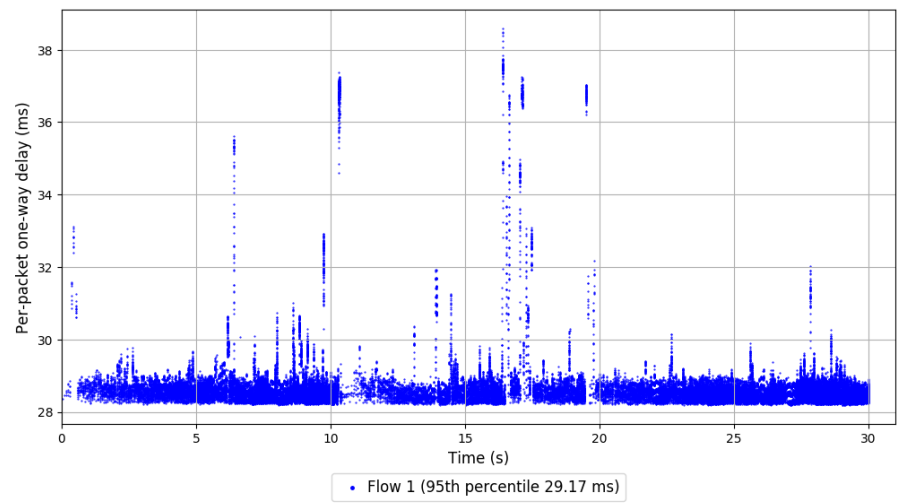
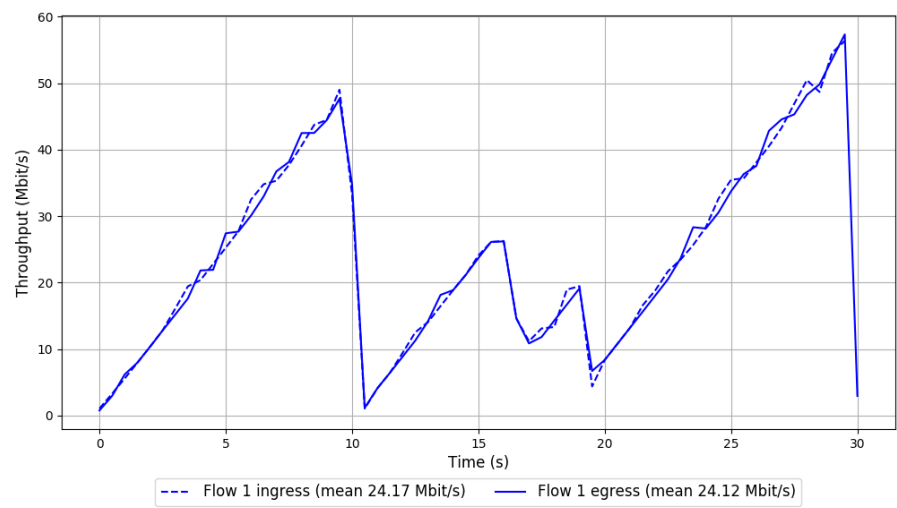


Run 10: Statistics of LEDBAT

Start at: 2018-04-10 16:50:16  
End at: 2018-04-10 16:50:46  
Local clock offset: -0.347 ms  
Remote clock offset: -2.793 ms

# Below is generated by plot.py at 2018-04-10 17:43:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.12 Mbit/s  
95th percentile per-packet one-way delay: 29.174 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 24.12 Mbit/s  
95th percentile per-packet one-way delay: 29.174 ms  
Loss rate: 0.21%

Run 10: Report of LEDBAT — Data Link

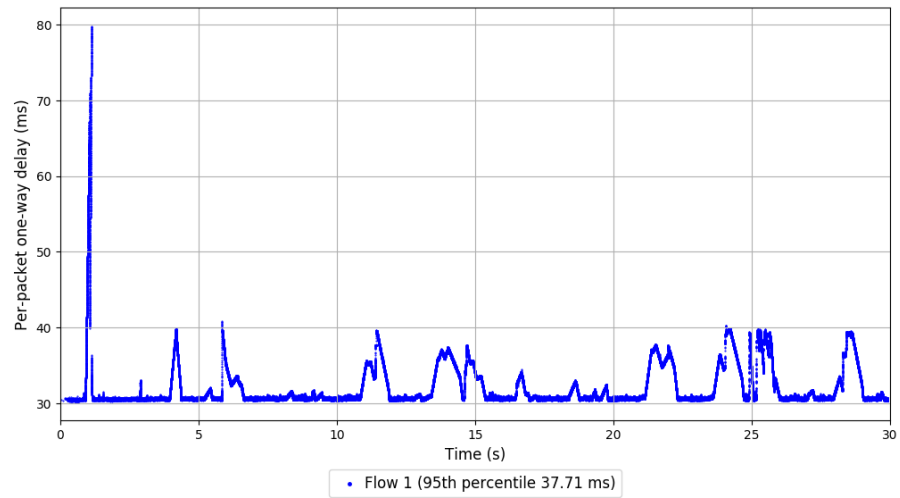
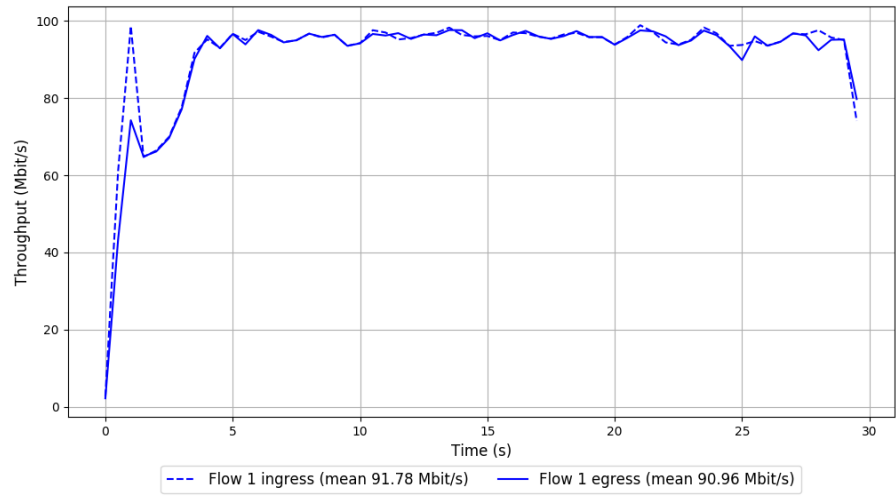


```
Run 1: Statistics of PCC

Start at: 2018-04-10 13:22:08
End at: 2018-04-10 13:22:39
Local clock offset: 0.115 ms
Remote clock offset: -1.59 ms

# Below is generated by plot.py at 2018-04-10 17:44:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.96 Mbit/s
95th percentile per-packet one-way delay: 37.706 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 90.96 Mbit/s
95th percentile per-packet one-way delay: 37.706 ms
Loss rate: 0.90%
```

## Run 1: Report of PCC — Data Link

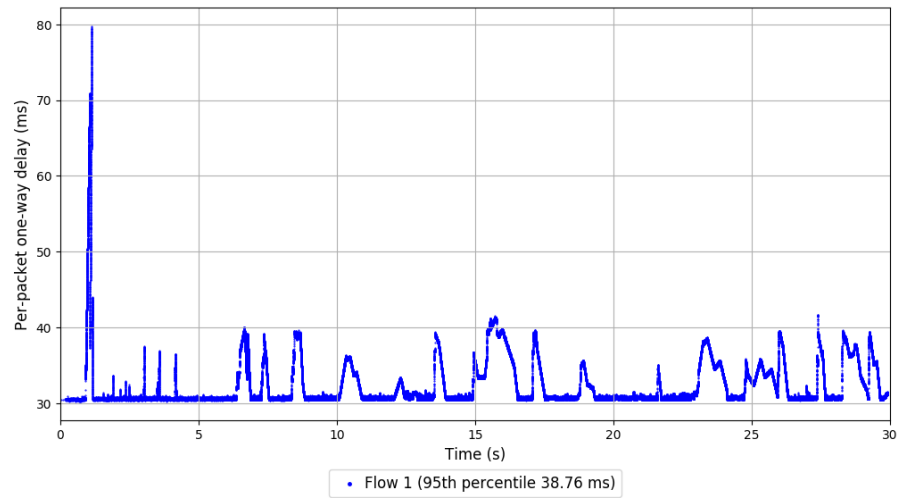
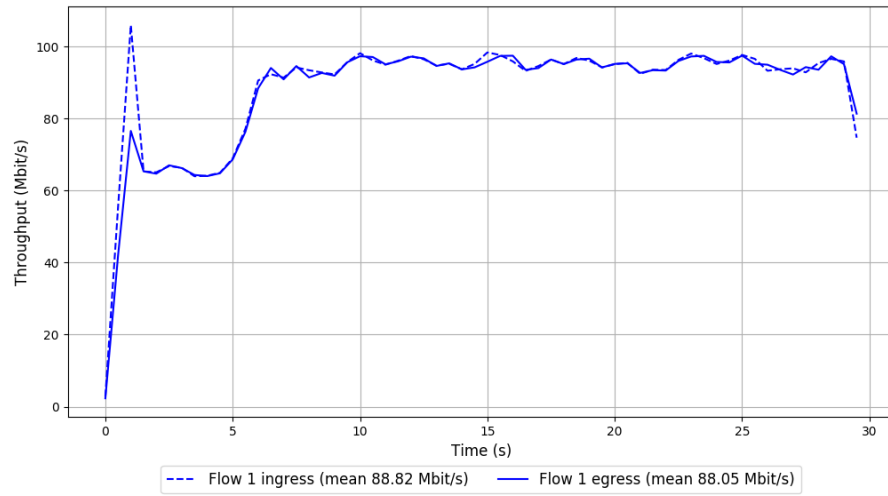


Run 2: Statistics of PCC

Start at: 2018-04-10 13:46:26  
End at: 2018-04-10 13:46:56  
Local clock offset: 0.108 ms  
Remote clock offset: -2.635 ms

# Below is generated by plot.py at 2018-04-10 17:44:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.05 Mbit/s  
95th percentile per-packet one-way delay: 38.761 ms  
Loss rate: 0.87%  
-- Flow 1:  
Average throughput: 88.05 Mbit/s  
95th percentile per-packet one-way delay: 38.761 ms  
Loss rate: 0.87%

## Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-04-10 14:10:35

End at: 2018-04-10 14:11:05

Local clock offset: 0.085 ms

Remote clock offset: -5.84 ms

# Below is generated by plot.py at 2018-04-10 17:44:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 89.52 Mbit/s

95th percentile per-packet one-way delay: 34.083 ms

Loss rate: 0.73%

-- Flow 1:

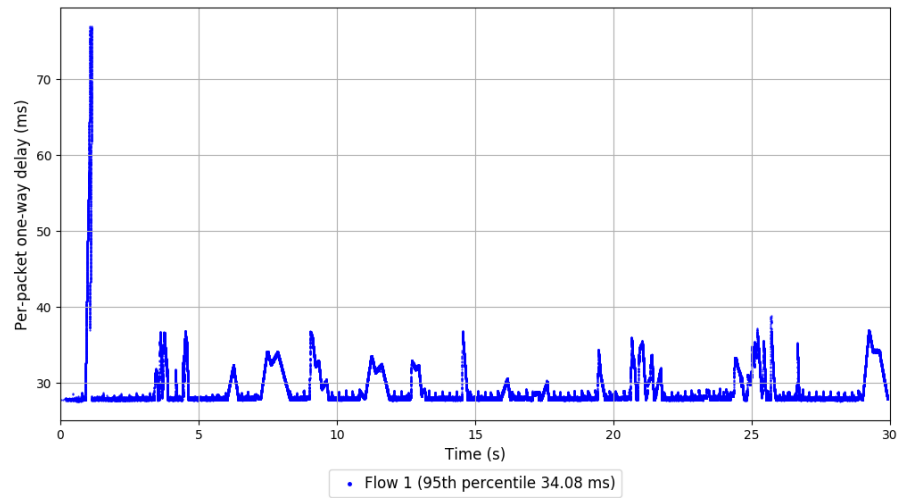
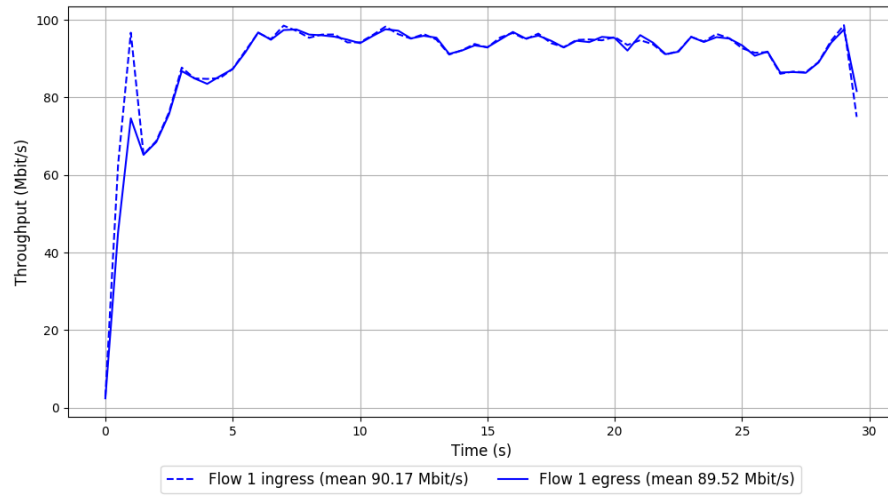
Average throughput: 89.52 Mbit/s

95th percentile per-packet one-way delay: 34.083 ms

Loss rate: 0.73%



### Run 3: Report of PCC — Data Link

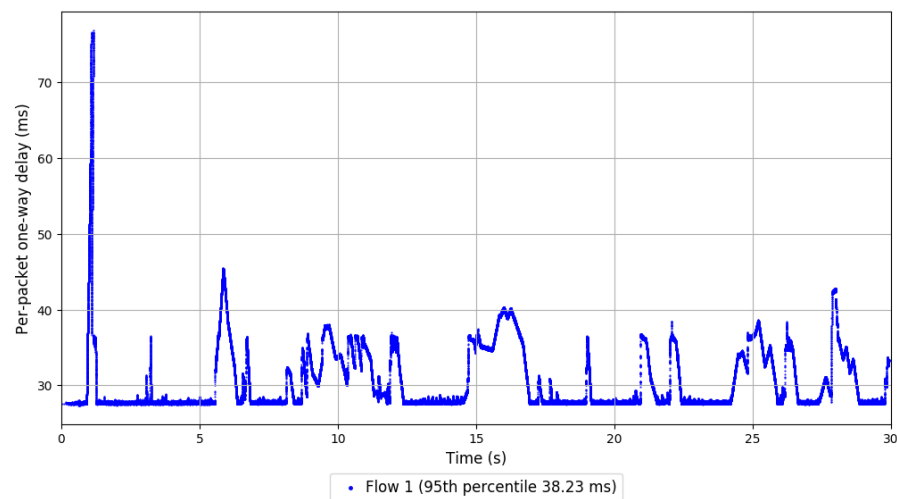
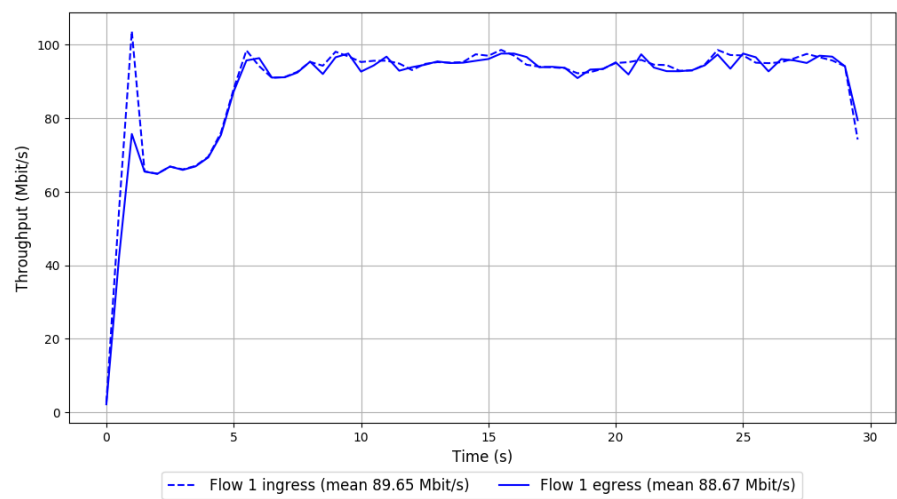


Run 4: Statistics of PCC

Start at: 2018-04-10 14:34:44  
End at: 2018-04-10 14:35:14  
Local clock offset: 0.258 ms  
Remote clock offset: -3.953 ms

# Below is generated by plot.py at 2018-04-10 17:44:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.67 Mbit/s  
95th percentile per-packet one-way delay: 38.226 ms  
Loss rate: 1.07%  
-- Flow 1:  
Average throughput: 88.67 Mbit/s  
95th percentile per-packet one-way delay: 38.226 ms  
Loss rate: 1.07%

Run 4: Report of PCC — Data Link

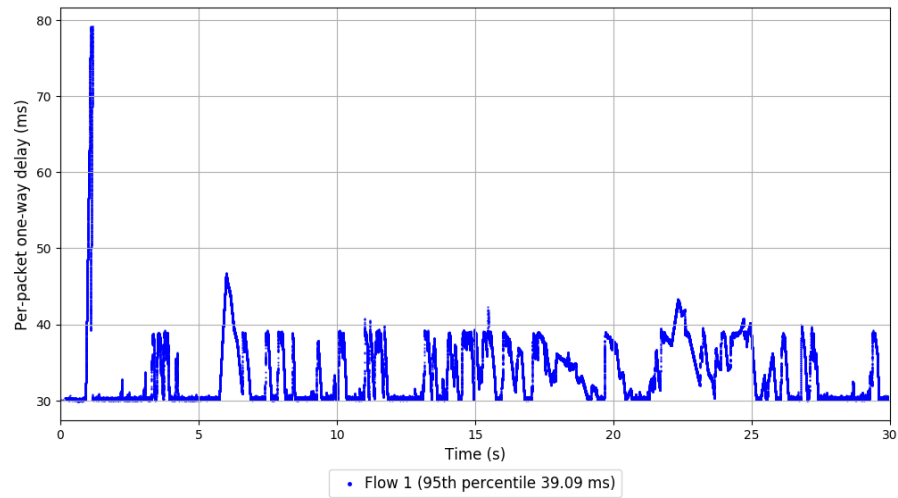
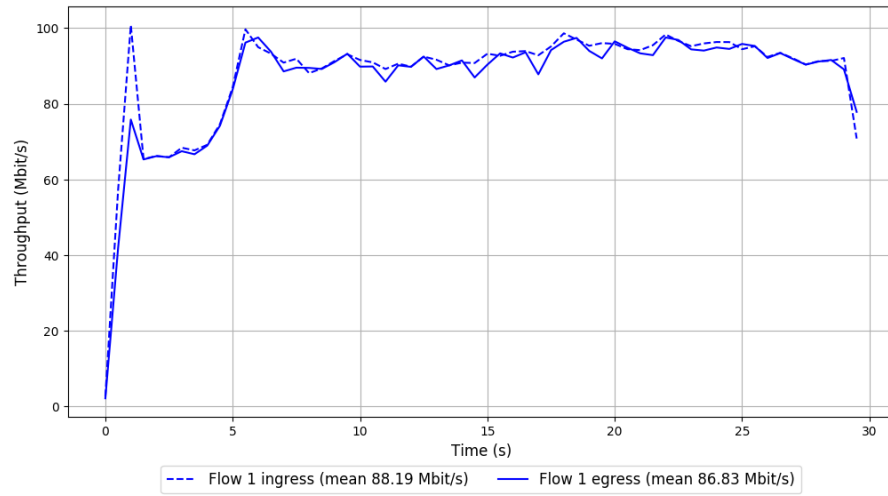


Run 5: Statistics of PCC

Start at: 2018-04-10 14:59:57  
End at: 2018-04-10 15:00:27  
Local clock offset: 0.111 ms  
Remote clock offset: -1.584 ms

# Below is generated by plot.py at 2018-04-10 17:44:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 86.83 Mbit/s  
95th percentile per-packet one-way delay: 39.086 ms  
Loss rate: 1.55%  
-- Flow 1:  
Average throughput: 86.83 Mbit/s  
95th percentile per-packet one-way delay: 39.086 ms  
Loss rate: 1.55%

### Run 5: Report of PCC — Data Link

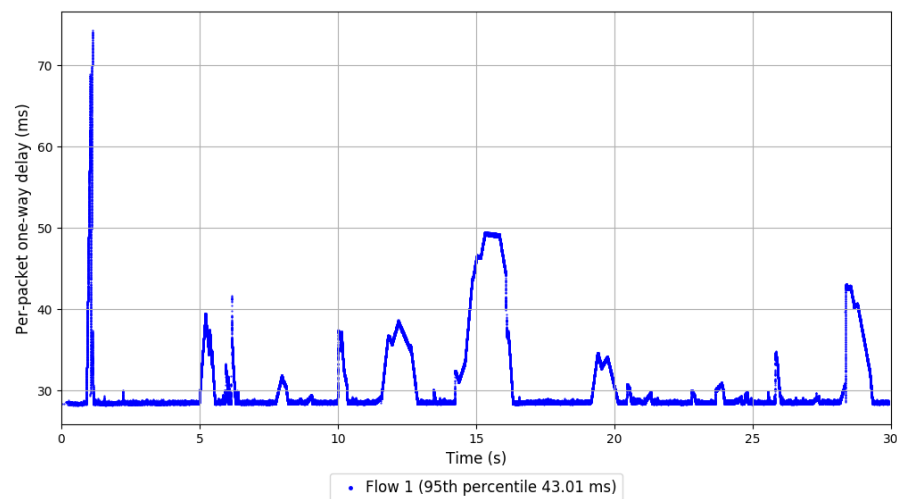
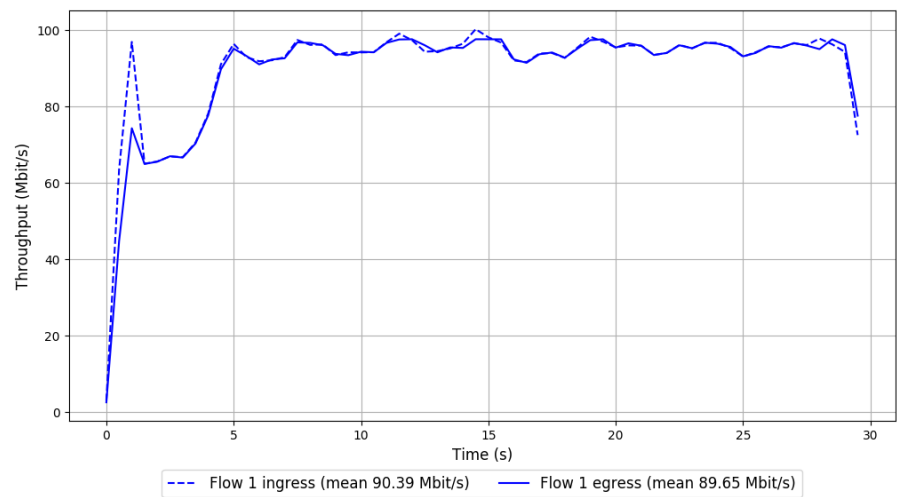


Run 6: Statistics of PCC

Start at: 2018-04-10 15:24:16  
End at: 2018-04-10 15:24:46  
Local clock offset: 0.074 ms  
Remote clock offset: -4.168 ms

# Below is generated by plot.py at 2018-04-10 17:45:02  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.65 Mbit/s  
95th percentile per-packet one-way delay: 43.010 ms  
Loss rate: 0.82%  
-- Flow 1:  
Average throughput: 89.65 Mbit/s  
95th percentile per-packet one-way delay: 43.010 ms  
Loss rate: 0.82%

Run 6: Report of PCC — Data Link



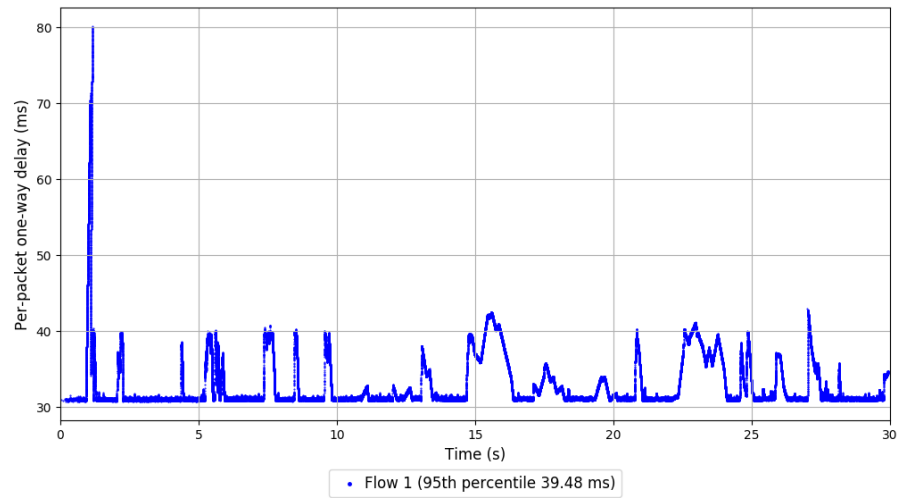
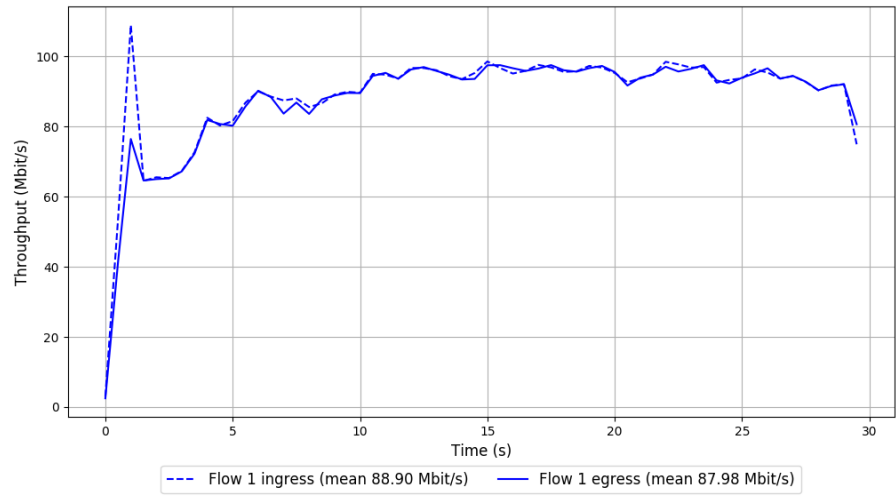
Run 7: Statistics of PCC

Start at: 2018-04-10 15:48:53  
End at: 2018-04-10 15:49:23  
Local clock offset: 0.373 ms  
Remote clock offset: -1.573 ms

# Below is generated by plot.py at 2018-04-10 17:45:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.98 Mbit/s  
95th percentile per-packet one-way delay: 39.480 ms  
Loss rate: 1.02%  
-- Flow 1:  
Average throughput: 87.98 Mbit/s  
95th percentile per-packet one-way delay: 39.480 ms  
Loss rate: 1.02%



## Run 7: Report of PCC — Data Link

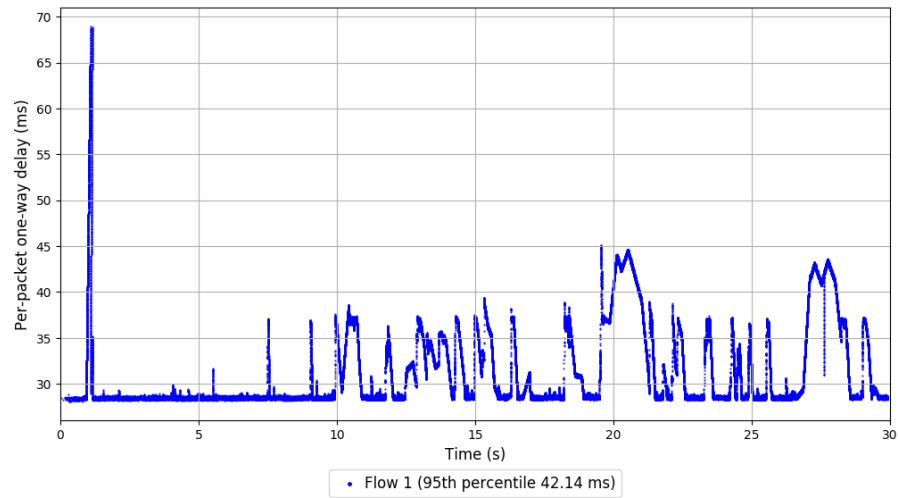
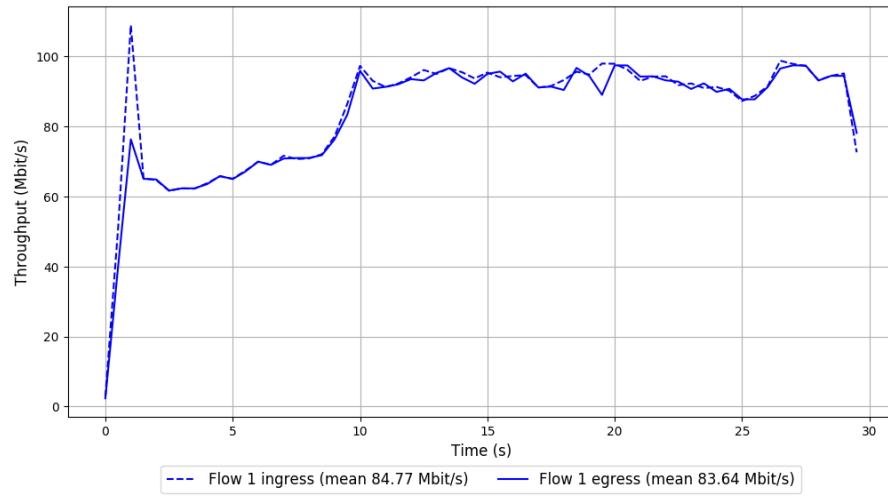


Run 8: Statistics of PCC

Start at: 2018-04-10 16:14:50  
End at: 2018-04-10 16:15:20  
Local clock offset: 0.021 ms  
Remote clock offset: -4.661 ms

# Below is generated by plot.py at 2018-04-10 17:45:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 83.64 Mbit/s  
95th percentile per-packet one-way delay: 42.138 ms  
Loss rate: 1.34%  
-- Flow 1:  
Average throughput: 83.64 Mbit/s  
95th percentile per-packet one-way delay: 42.138 ms  
Loss rate: 1.34%

## Run 8: Report of PCC — Data Link

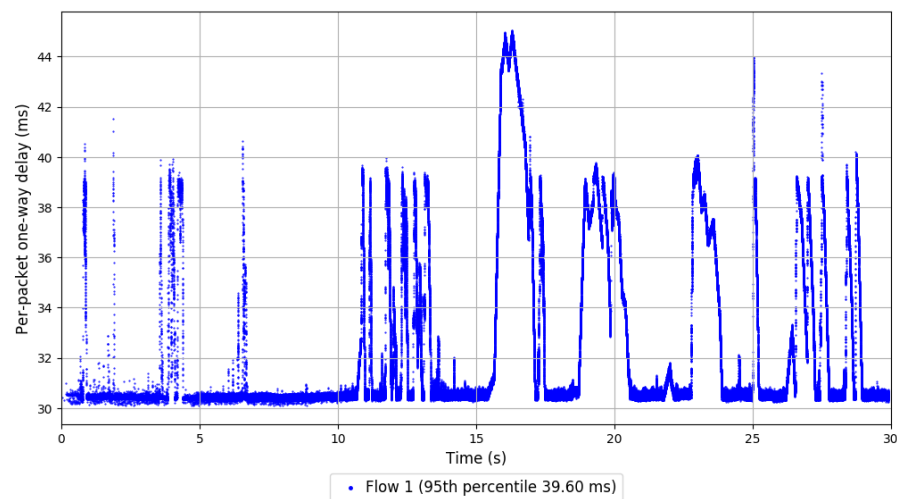
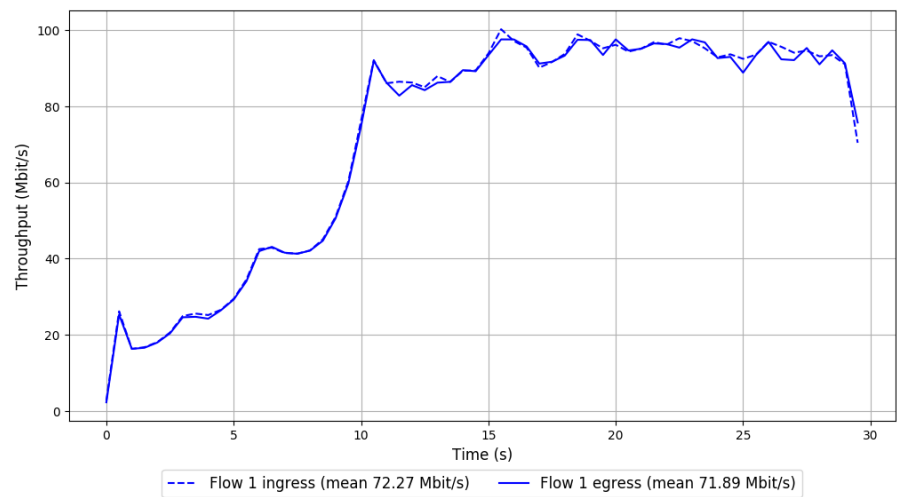


Run 9: Statistics of PCC

Start at: 2018-04-10 16:40:06  
End at: 2018-04-10 16:40:36  
Local clock offset: -0.266 ms  
Remote clock offset: -1.156 ms

# Below is generated by plot.py at 2018-04-10 17:45:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 71.89 Mbit/s  
95th percentile per-packet one-way delay: 39.605 ms  
Loss rate: 0.53%  
-- Flow 1:  
Average throughput: 71.89 Mbit/s  
95th percentile per-packet one-way delay: 39.605 ms  
Loss rate: 0.53%

Run 9: Report of PCC — Data Link

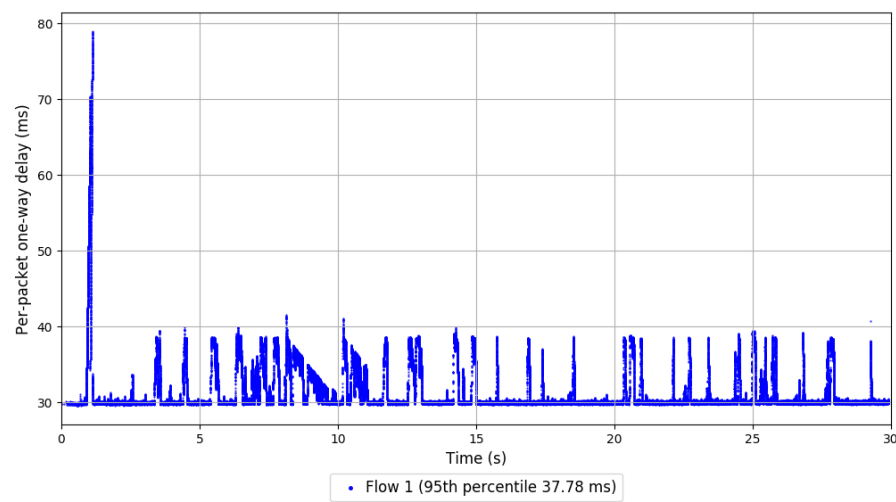
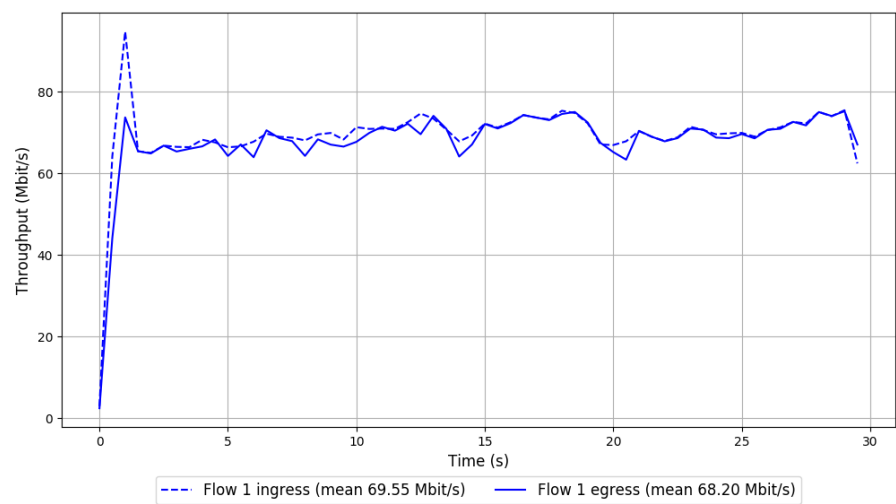


Run 10: Statistics of PCC

Start at: 2018-04-10 17:06:56  
End at: 2018-04-10 17:07:26  
Local clock offset: 0.106 ms  
Remote clock offset: -0.888 ms

# Below is generated by plot.py at 2018-04-10 17:45:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 68.20 Mbit/s  
95th percentile per-packet one-way delay: 37.779 ms  
Loss rate: 1.95%  
-- Flow 1:  
Average throughput: 68.20 Mbit/s  
95th percentile per-packet one-way delay: 37.779 ms  
Loss rate: 1.95%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-04-10 13:16:57

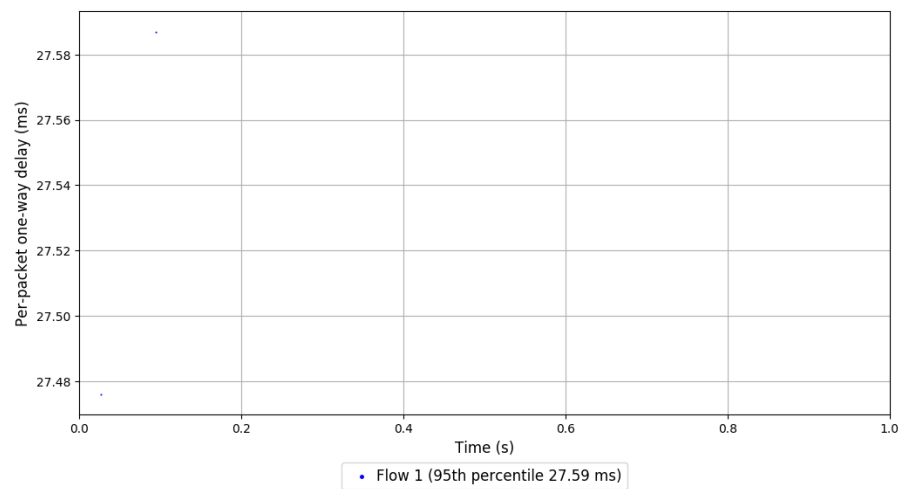
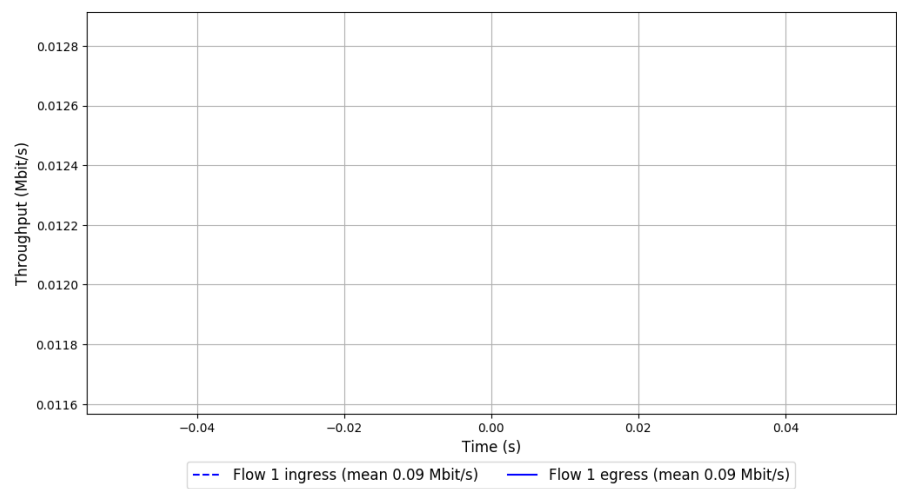
End at: 2018-04-10 13:17:27

Local clock offset: 0.185 ms

Remote clock offset: -4.022 ms



Run 1: Report of QUIC Cubic — Data Link

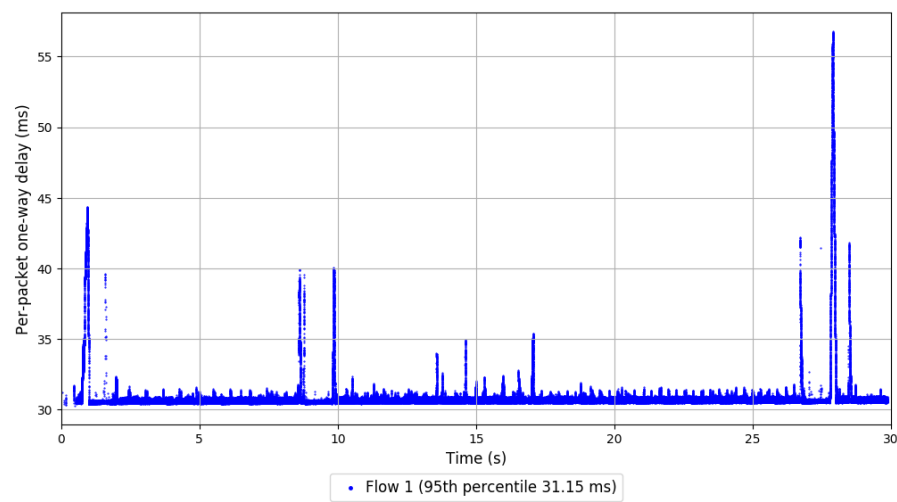
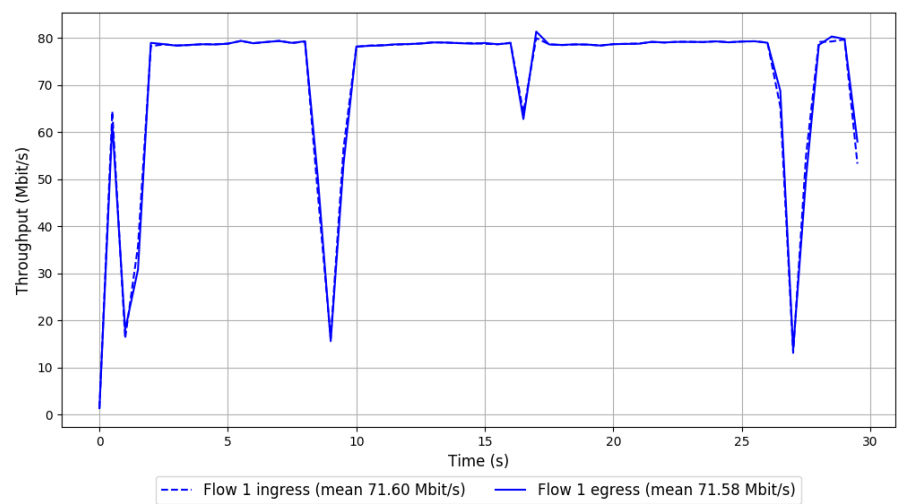


Run 2: Statistics of QUIC Cubic

Start at: 2018-04-10 13:41:11  
End at: 2018-04-10 13:41:41  
Local clock offset: 0.119 ms  
Remote clock offset: -1.944 ms

# Below is generated by plot.py at 2018-04-10 17:46:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 71.58 Mbit/s  
95th percentile per-packet one-way delay: 31.148 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 71.58 Mbit/s  
95th percentile per-packet one-way delay: 31.148 ms  
Loss rate: 0.03%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-04-10 14:05:20

End at: 2018-04-10 14:05:50

Local clock offset: 0.098 ms

Remote clock offset: -5.749 ms

# Below is generated by plot.py at 2018-04-10 17:46:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 29.59 Mbit/s

95th percentile per-packet one-way delay: 28.080 ms

Loss rate: 0.23%

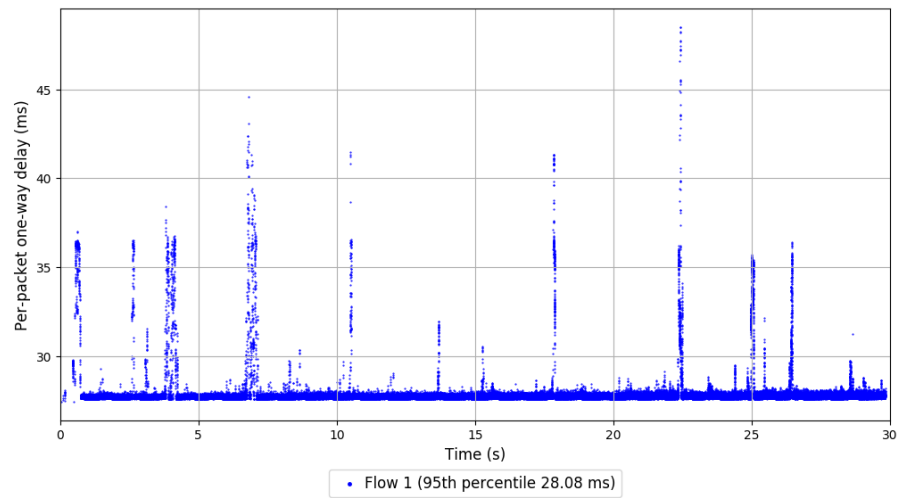
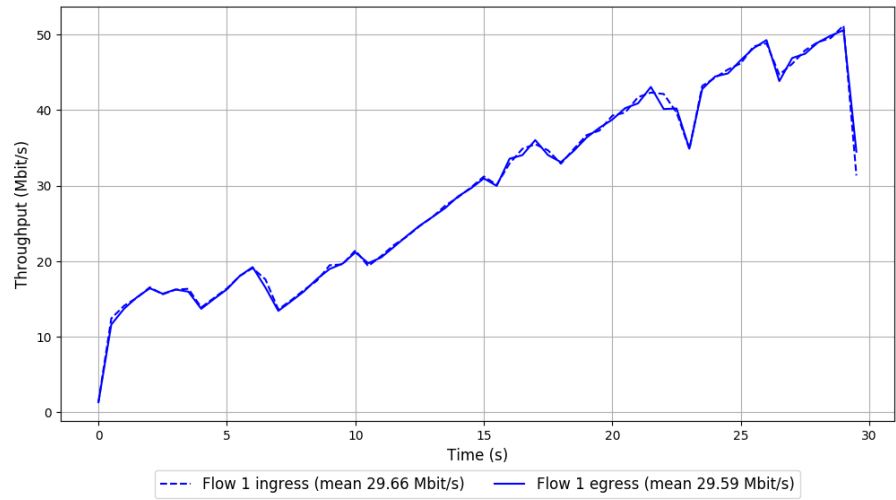
-- Flow 1:

Average throughput: 29.59 Mbit/s

95th percentile per-packet one-way delay: 28.080 ms

Loss rate: 0.23%

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



Run 4: Statistics of QUIC Cubic

Start at: 2018-04-10 14:29:29

End at: 2018-04-10 14:29:59

Local clock offset: 0.159 ms

Remote clock offset: -1.638 ms

# Below is generated by plot.py at 2018-04-10 17:46:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 50.56 Mbit/s

95th percentile per-packet one-way delay: 38.364 ms

Loss rate: 0.32%

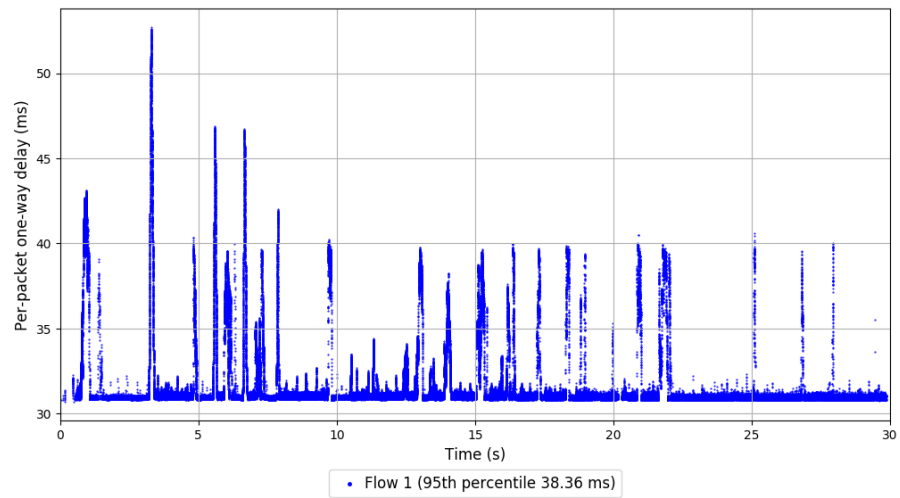
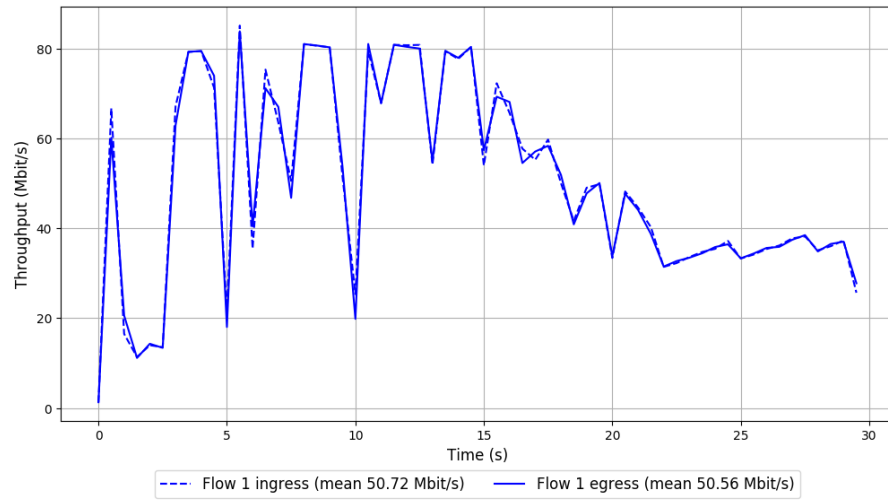
-- Flow 1:

Average throughput: 50.56 Mbit/s

95th percentile per-packet one-way delay: 38.364 ms

Loss rate: 0.32%

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



Run 5: Statistics of QUIC Cubic

Start at: 2018-04-10 14:54:36

End at: 2018-04-10 14:55:06

Local clock offset: 0.073 ms

Remote clock offset: -1.504 ms

# Below is generated by plot.py at 2018-04-10 17:46:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 44.33 Mbit/s

95th percentile per-packet one-way delay: 31.268 ms

Loss rate: 0.17%

-- Flow 1:

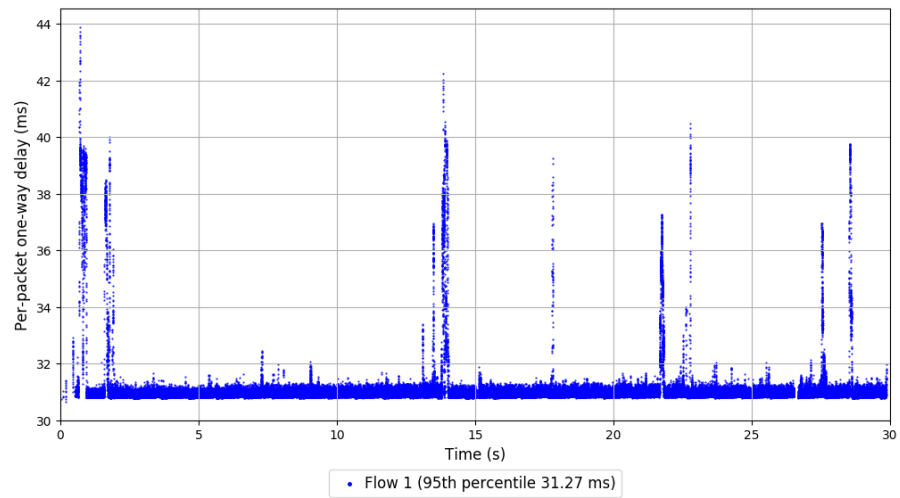
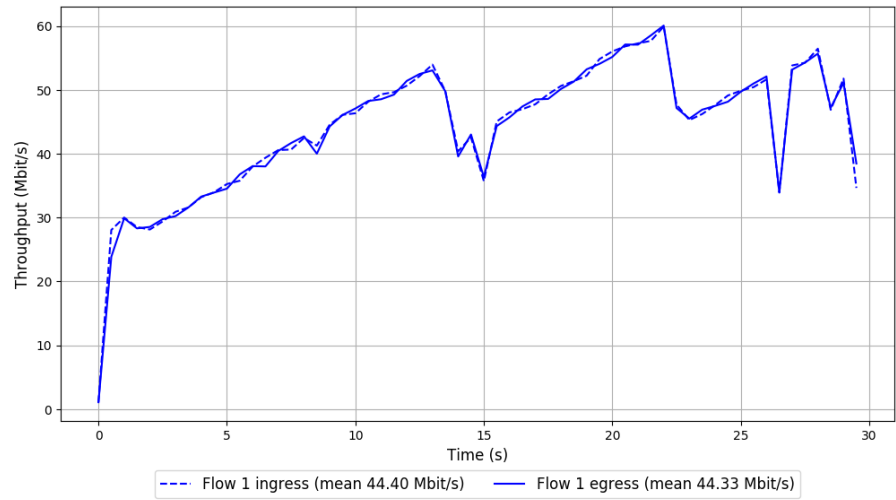
Average throughput: 44.33 Mbit/s

95th percentile per-packet one-way delay: 31.268 ms

Loss rate: 0.17%



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



Run 6: Statistics of QUIC Cubic

Start at: 2018-04-10 15:18:53

End at: 2018-04-10 15:19:23

Local clock offset: 0.016 ms

Remote clock offset: -2.089 ms

# Below is generated by plot.py at 2018-04-10 17:46:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 52.32 Mbit/s

95th percentile per-packet one-way delay: 37.435 ms

Loss rate: 0.53%

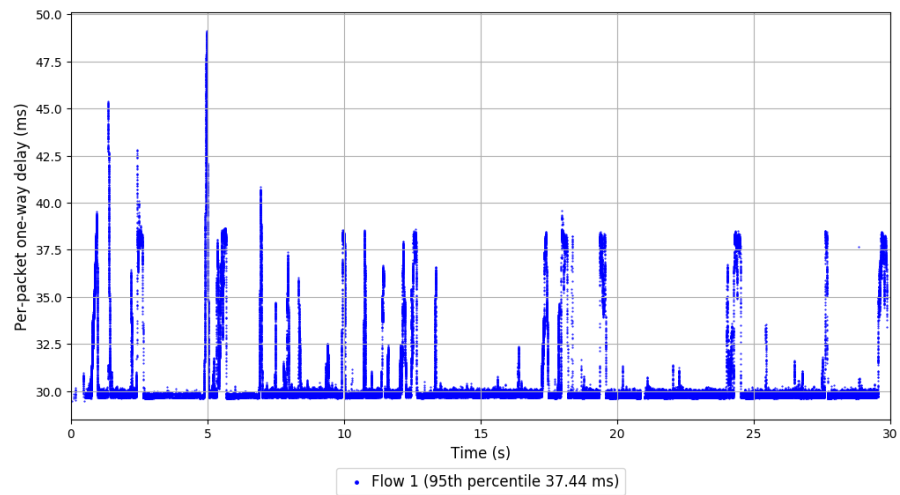
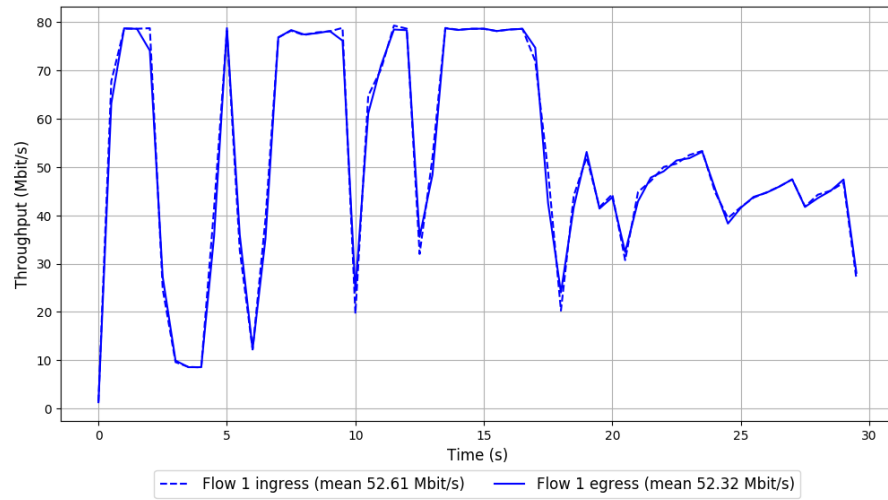
-- Flow 1:

Average throughput: 52.32 Mbit/s

95th percentile per-packet one-way delay: 37.435 ms

Loss rate: 0.53%

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



Run 7: Statistics of QUIC Cubic

Start at: 2018-04-10 15:43:36

End at: 2018-04-10 15:44:07

Local clock offset: 0.394 ms

Remote clock offset: -4.1 ms

# Below is generated by plot.py at 2018-04-10 17:46:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 51.48 Mbit/s

95th percentile per-packet one-way delay: 50.559 ms

Loss rate: 0.91%

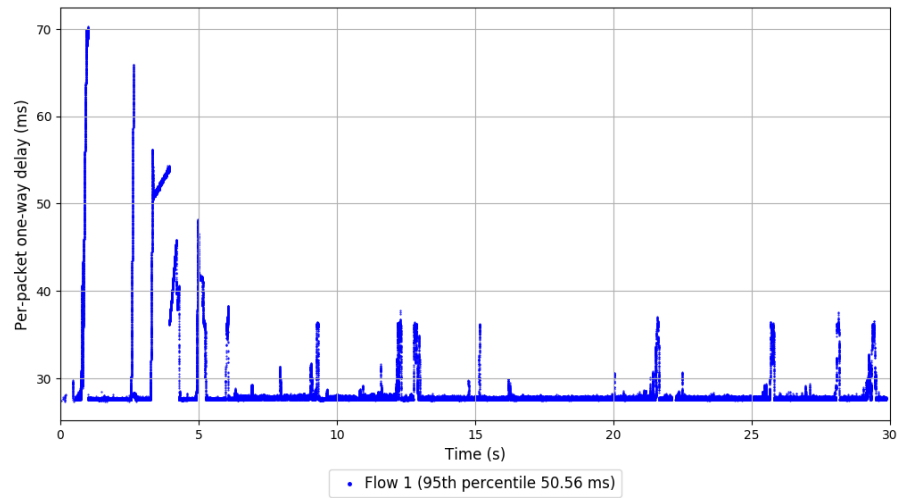
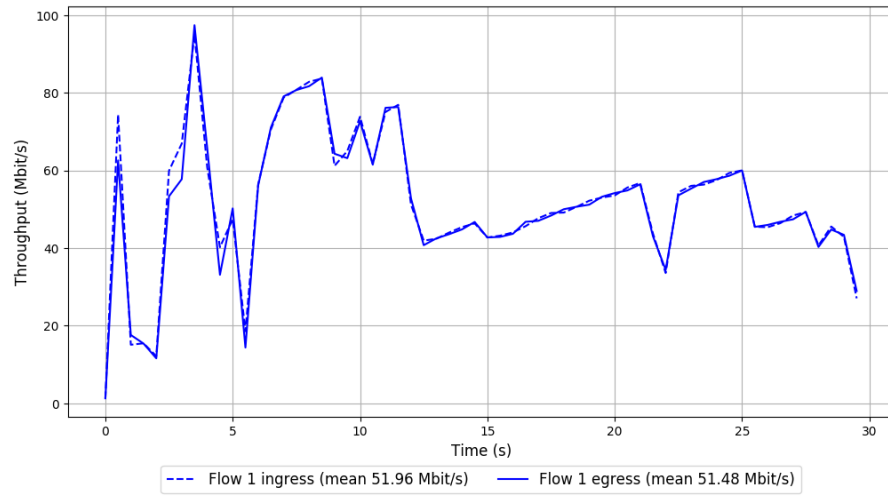
-- Flow 1:

Average throughput: 51.48 Mbit/s

95th percentile per-packet one-way delay: 50.559 ms

Loss rate: 0.91%

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



Run 8: Statistics of QUIC Cubic

Start at: 2018-04-10 16:09:01

End at: 2018-04-10 16:09:31

Local clock offset: 0.09 ms

Remote clock offset: -2.522 ms

# Below is generated by plot.py at 2018-04-10 17:46:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 65.01 Mbit/s

95th percentile per-packet one-way delay: 35.156 ms

Loss rate: 0.16%

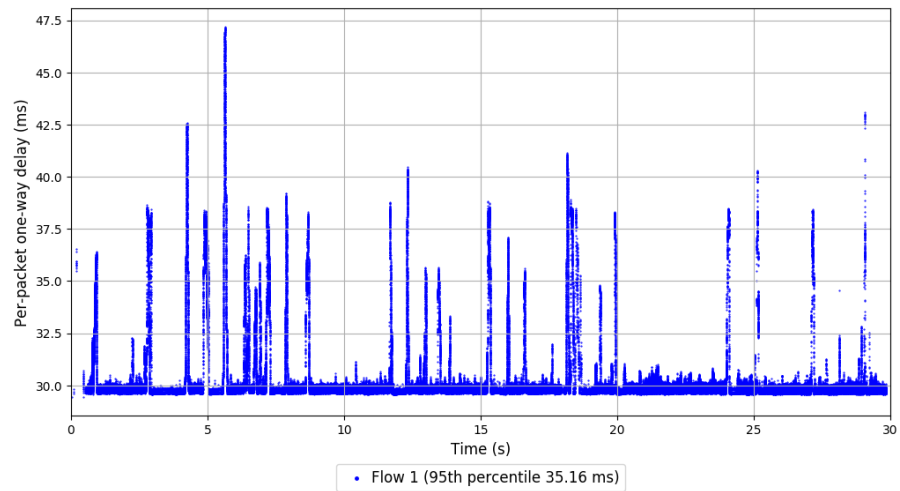
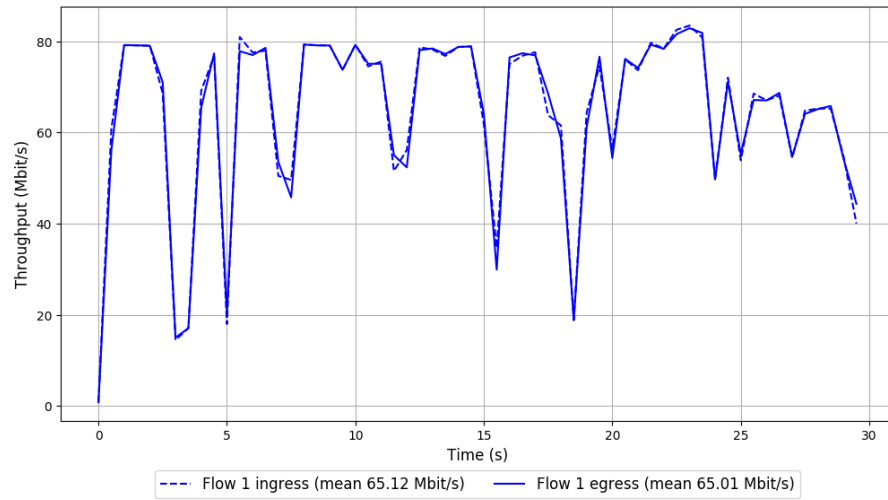
-- Flow 1:

Average throughput: 65.01 Mbit/s

95th percentile per-packet one-way delay: 35.156 ms

Loss rate: 0.16%

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



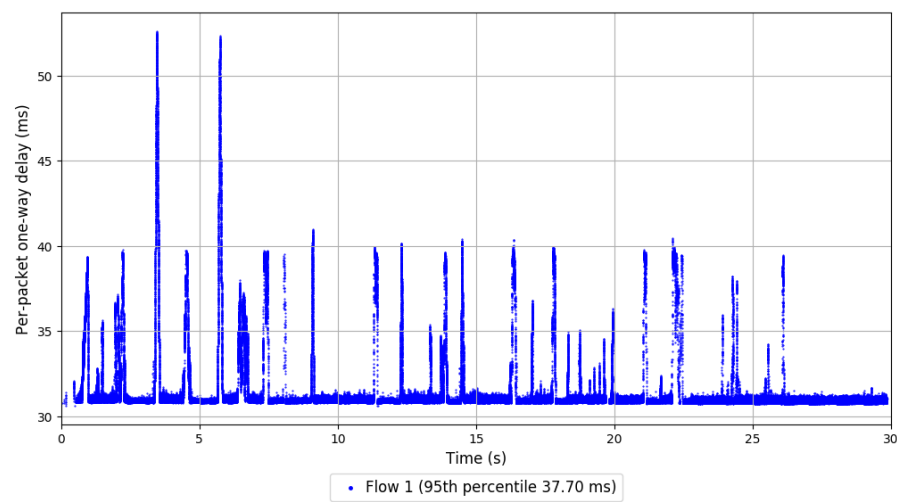
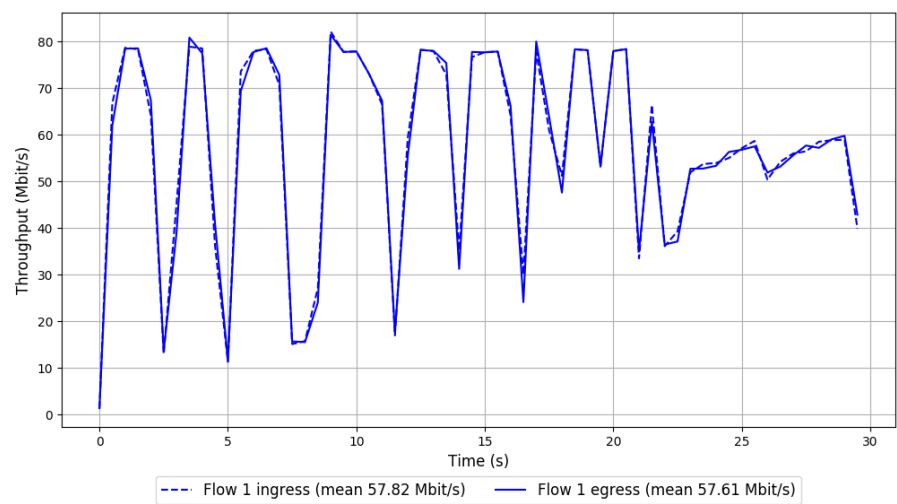
Run 9: Statistics of QUIC Cubic

Start at: 2018-04-10 16:34:47  
End at: 2018-04-10 16:35:17  
Local clock offset: -0.309 ms  
Remote clock offset: -1.123 ms

# Below is generated by plot.py at 2018-04-10 17:46:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 57.61 Mbit/s  
95th percentile per-packet one-way delay: 37.699 ms  
Loss rate: 0.37%  
-- Flow 1:  
Average throughput: 57.61 Mbit/s  
95th percentile per-packet one-way delay: 37.699 ms  
Loss rate: 0.37%



Run 9: Report of QUIC Cubic — Data Link

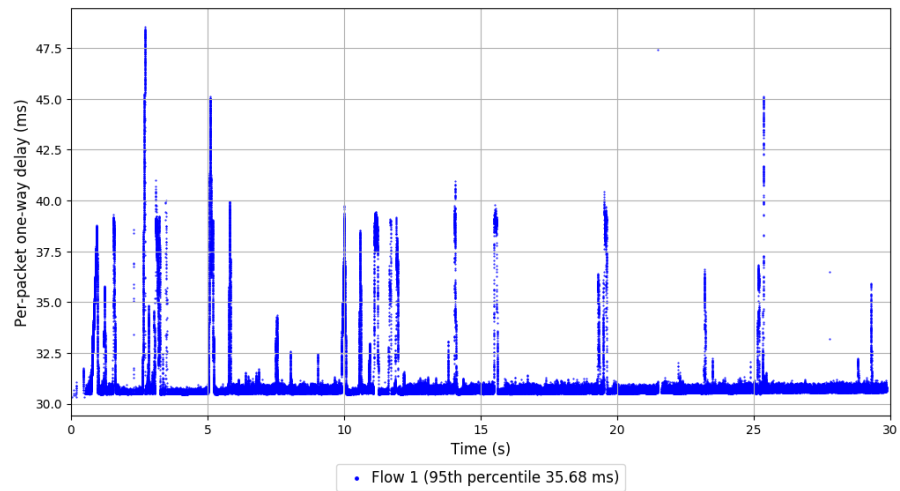
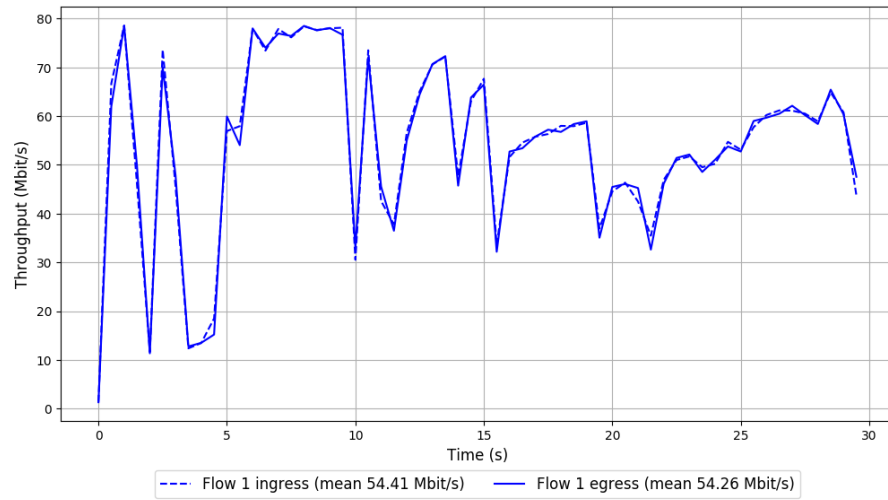


Run 10: Statistics of QUIC Cubic

Start at: 2018-04-10 17:01:19  
End at: 2018-04-10 17:01:49  
Local clock offset: -0.582 ms  
Remote clock offset: -0.381 ms

# Below is generated by plot.py at 2018-04-10 17:46:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 54.26 Mbit/s  
95th percentile per-packet one-way delay: 35.677 ms  
Loss rate: 0.28%  
-- Flow 1:  
Average throughput: 54.26 Mbit/s  
95th percentile per-packet one-way delay: 35.677 ms  
Loss rate: 0.28%

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

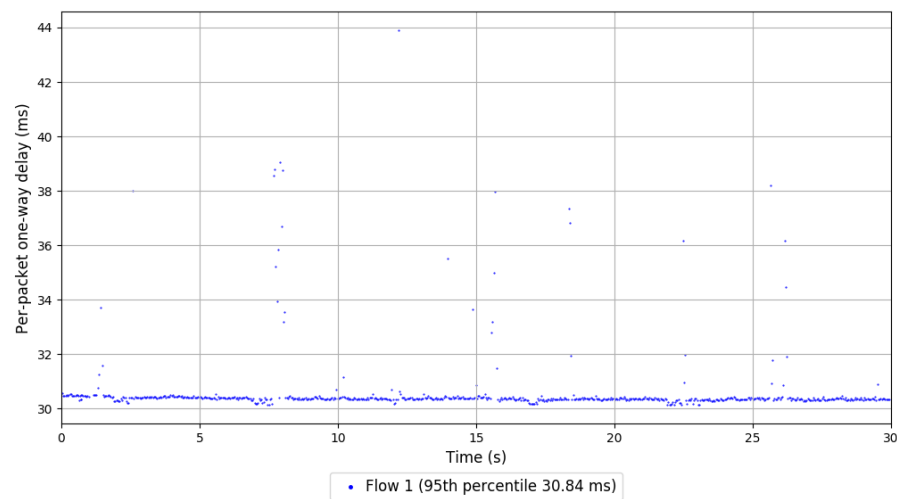
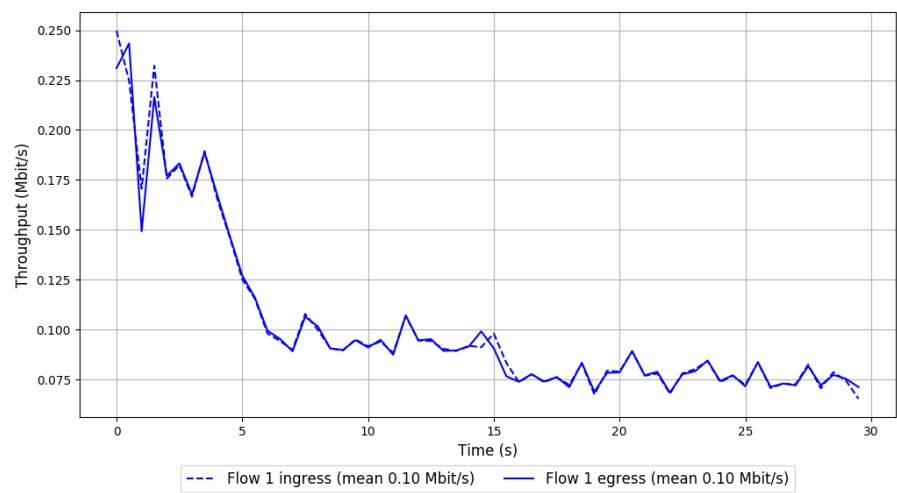


Run 1: Statistics of SCReAM

Start at: 2018-04-10 13:24:48  
End at: 2018-04-10 13:25:18  
Local clock offset: 0.208 ms  
Remote clock offset: -1.443 ms

# Below is generated by plot.py at 2018-04-10 17:46:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.10 Mbit/s  
95th percentile per-packet one-way delay: 30.836 ms  
Loss rate: 0.45%  
-- Flow 1:  
Average throughput: 0.10 Mbit/s  
95th percentile per-packet one-way delay: 30.836 ms  
Loss rate: 0.45%

Run 1: Report of SReAM — Data Link

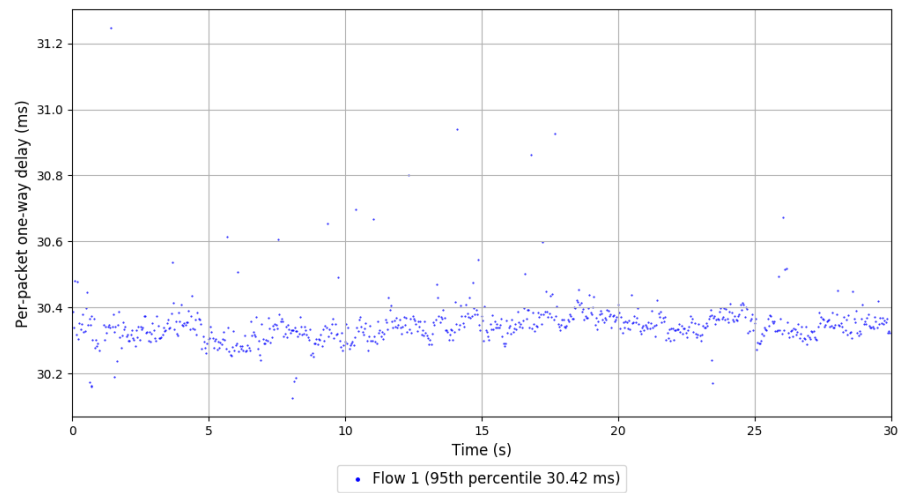
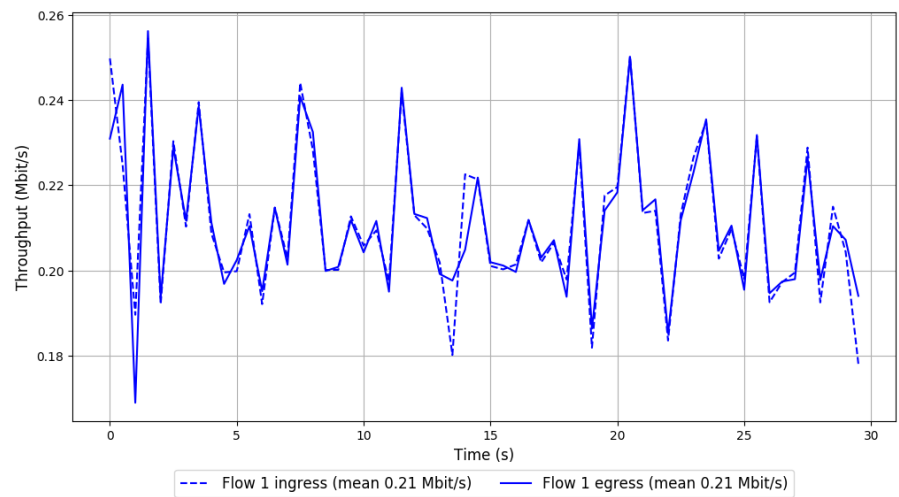


Run 2: Statistics of SCReAM

Start at: 2018-04-10 13:49:03  
End at: 2018-04-10 13:49:33  
Local clock offset: 0.113 ms  
Remote clock offset: -2.382 ms

# Below is generated by plot.py at 2018-04-10 17:46:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 30.423 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 30.423 ms  
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



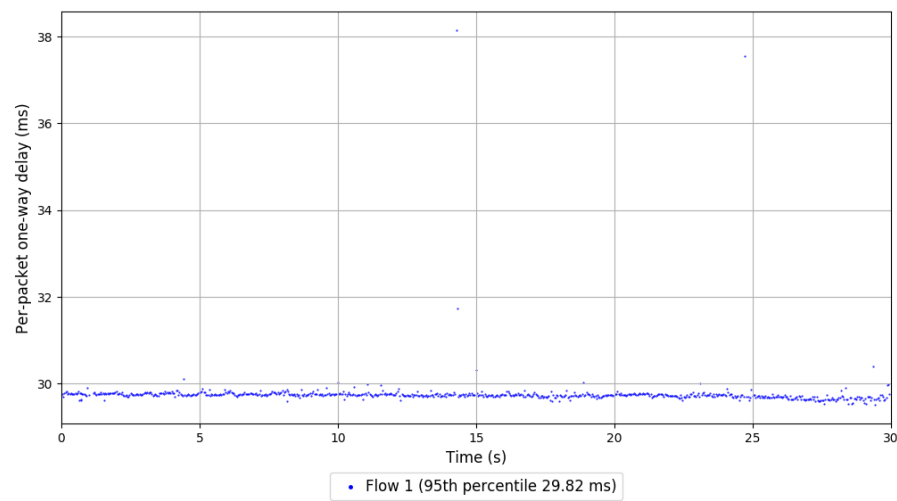
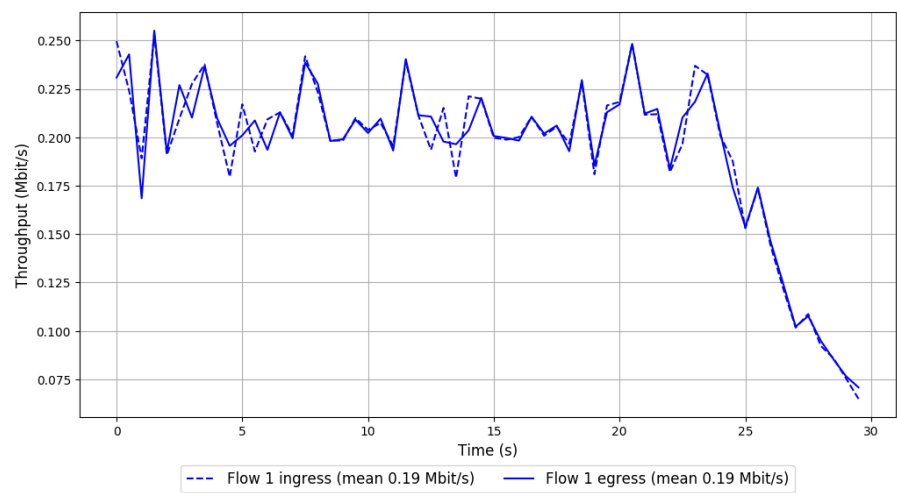
Run 3: Statistics of SCReAM

Start at: 2018-04-10 14:13:14  
End at: 2018-04-10 14:13:44  
Local clock offset: 0.127 ms  
Remote clock offset: -3.448 ms

# Below is generated by plot.py at 2018-04-10 17:46:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.19 Mbit/s  
95th percentile per-packet one-way delay: 29.822 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.19 Mbit/s  
95th percentile per-packet one-way delay: 29.822 ms  
Loss rate: 0.13%



Run 3: Report of SReAM — Data Link

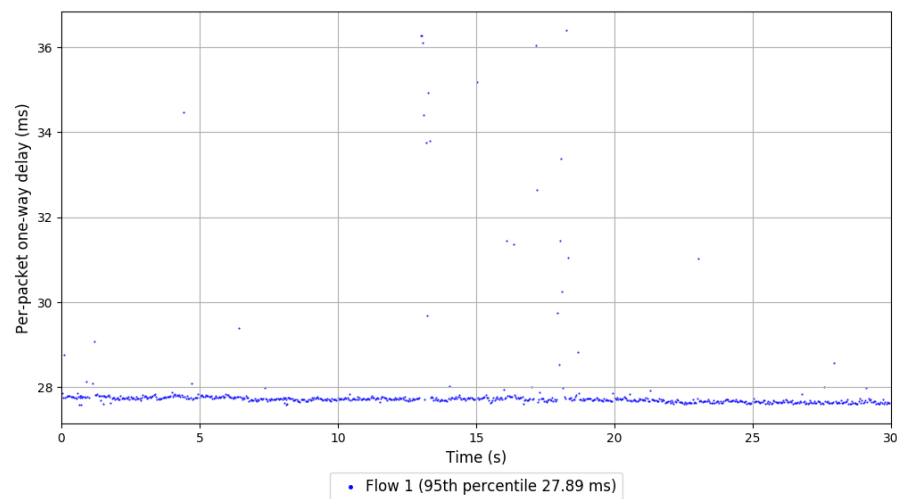
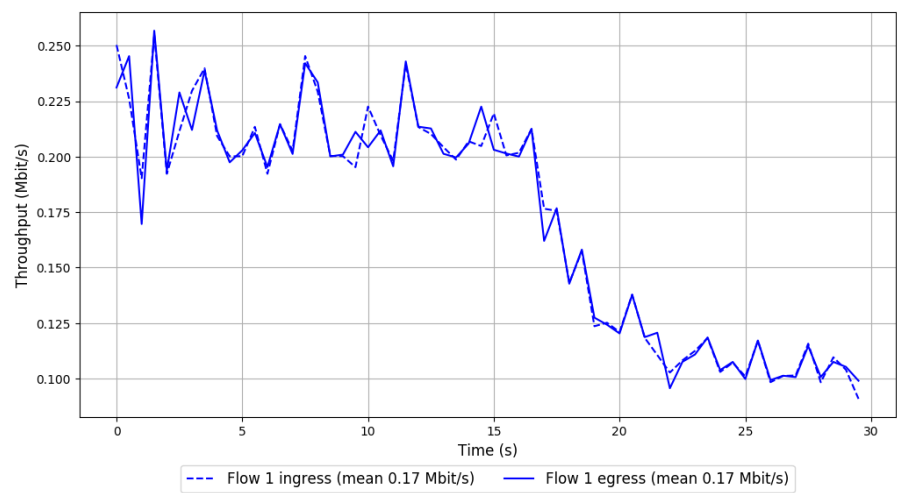


Run 4: Statistics of SCReAM

Start at: 2018-04-10 14:37:28  
End at: 2018-04-10 14:37:58  
Local clock offset: 0.172 ms  
Remote clock offset: -3.893 ms

# Below is generated by plot.py at 2018-04-10 17:46:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.17 Mbit/s  
95th percentile per-packet one-way delay: 27.887 ms  
Loss rate: 0.17%  
-- Flow 1:  
Average throughput: 0.17 Mbit/s  
95th percentile per-packet one-way delay: 27.887 ms  
Loss rate: 0.17%

Run 4: Report of SReAM — Data Link

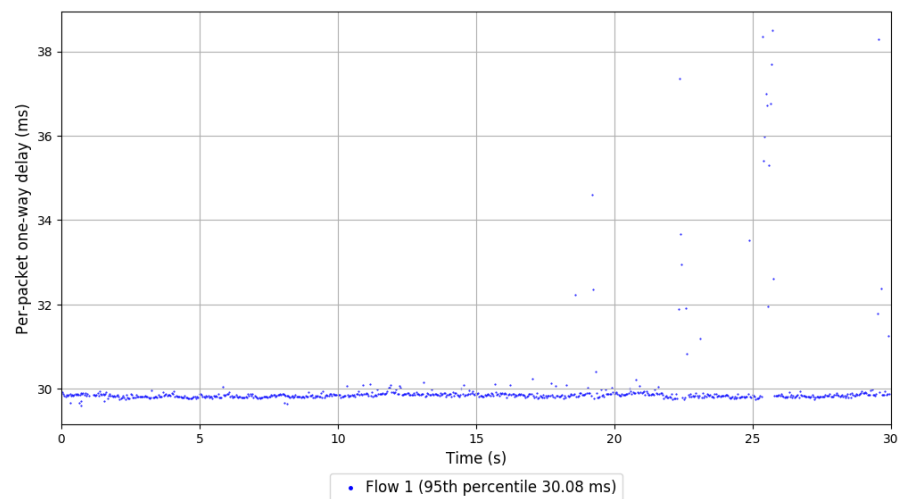
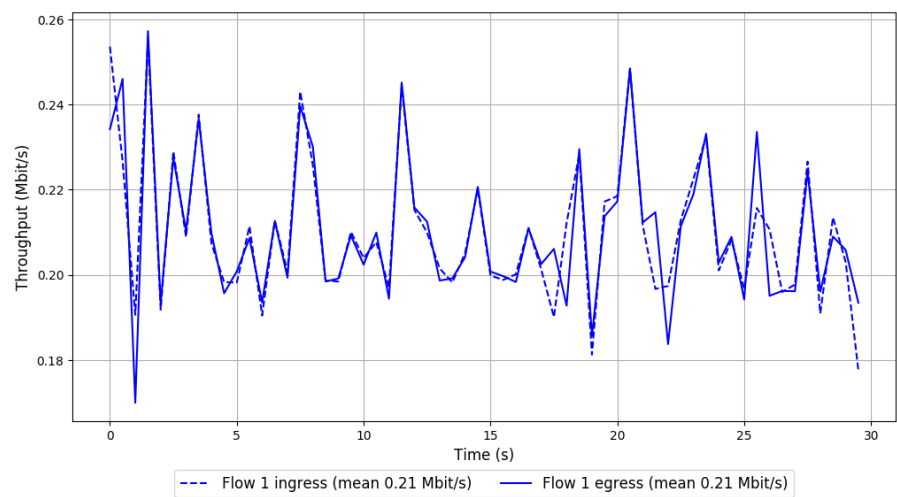


Run 5: Statistics of SCReAM

Start at: 2018-04-10 15:02:34  
End at: 2018-04-10 15:03:04  
Local clock offset: 0.019 ms  
Remote clock offset: -1.991 ms

# Below is generated by plot.py at 2018-04-10 17:46:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 30.079 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 30.079 ms  
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

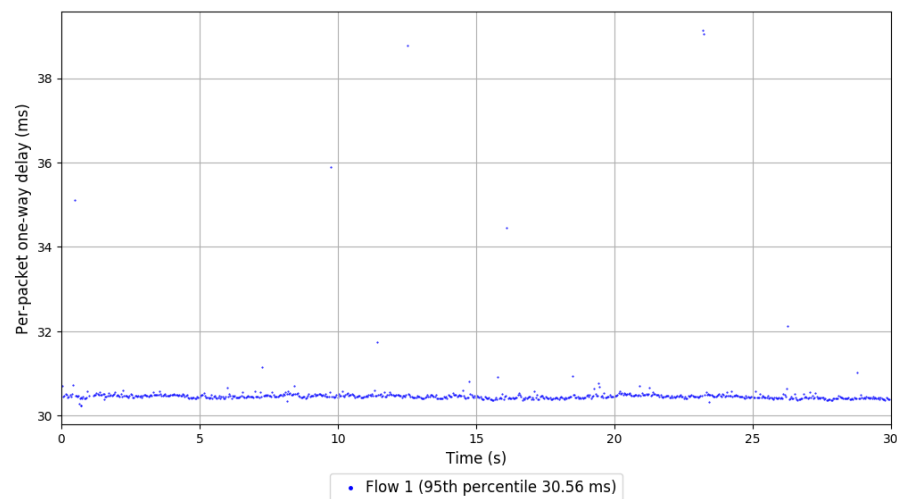
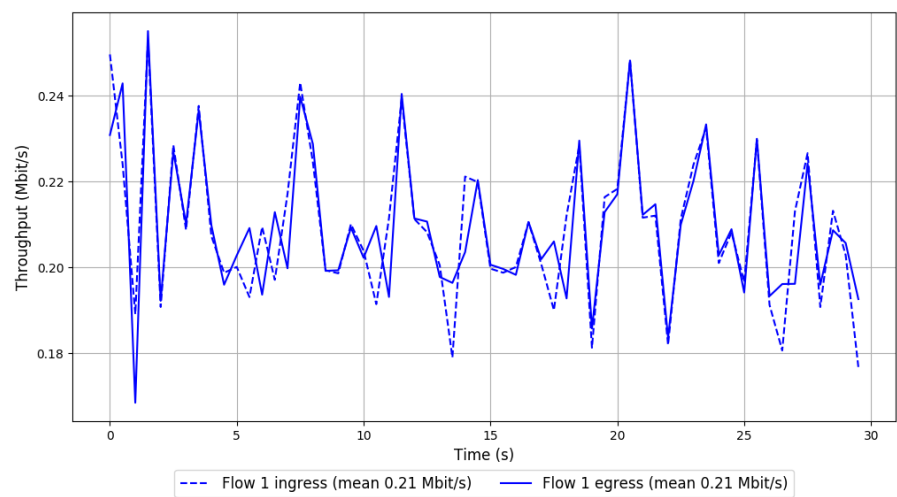


Run 6: Statistics of SCReAM

Start at: 2018-04-10 15:26:58  
End at: 2018-04-10 15:27:28  
Local clock offset: 0.181 ms  
Remote clock offset: -2.079 ms

# Below is generated by plot.py at 2018-04-10 17:46:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 30.563 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 30.563 ms  
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



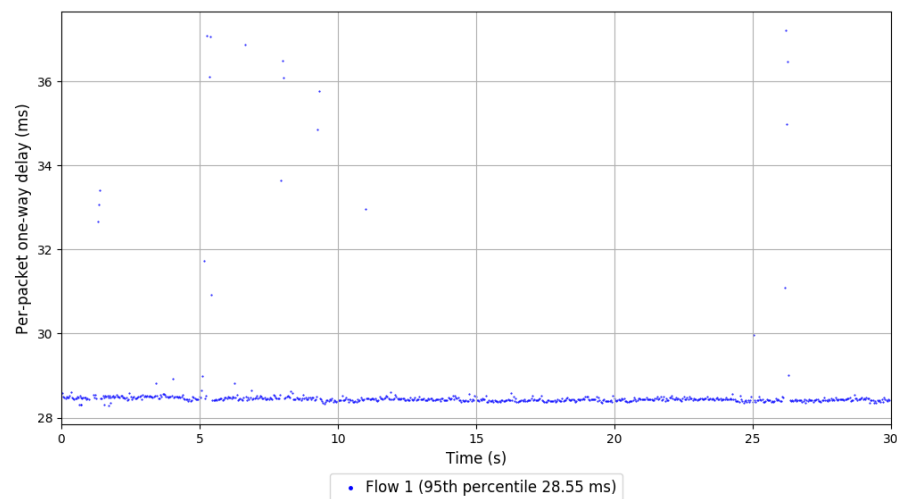
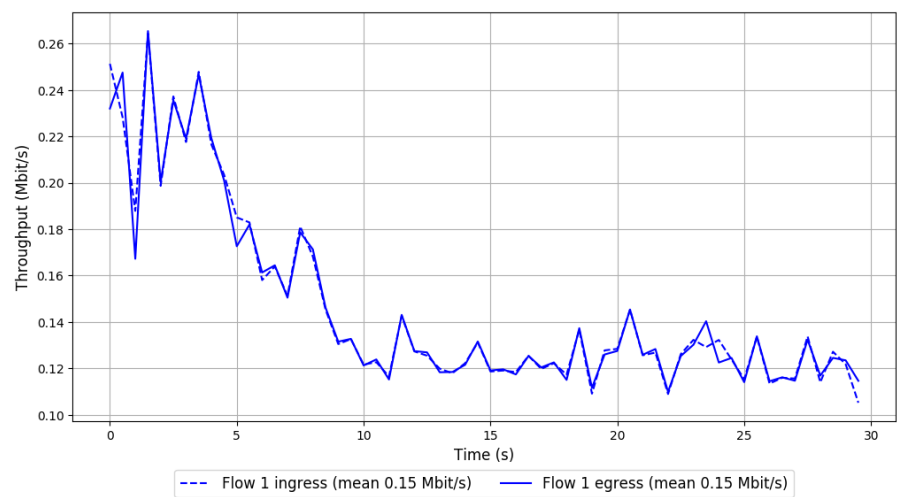
Run 7: Statistics of SCReAM

Start at: 2018-04-10 15:51:32  
End at: 2018-04-10 15:52:02  
Local clock offset: 0.4 ms  
Remote clock offset: -4.007 ms

# Below is generated by plot.py at 2018-04-10 17:46:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.15 Mbit/s  
95th percentile per-packet one-way delay: 28.550 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 0.15 Mbit/s  
95th percentile per-packet one-way delay: 28.550 ms  
Loss rate: 0.19%



Run 7: Report of SReAM — Data Link

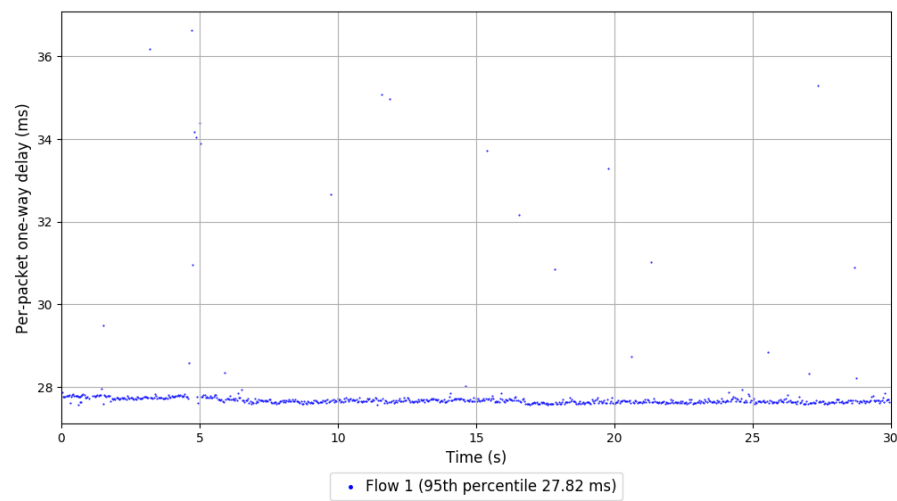
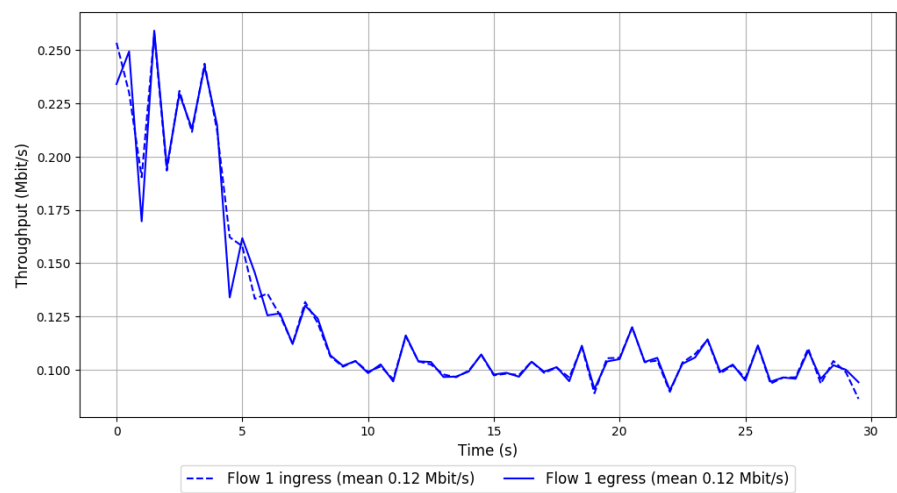


Run 8: Statistics of SCReAM

Start at: 2018-04-10 16:17:31  
End at: 2018-04-10 16:18:01  
Local clock offset: -0.013 ms  
Remote clock offset: -4.641 ms

# Below is generated by plot.py at 2018-04-10 17:46:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.12 Mbit/s  
95th percentile per-packet one-way delay: 27.823 ms  
Loss rate: 0.38%  
-- Flow 1:  
Average throughput: 0.12 Mbit/s  
95th percentile per-packet one-way delay: 27.823 ms  
Loss rate: 0.38%

Run 8: Report of SReAM — Data Link

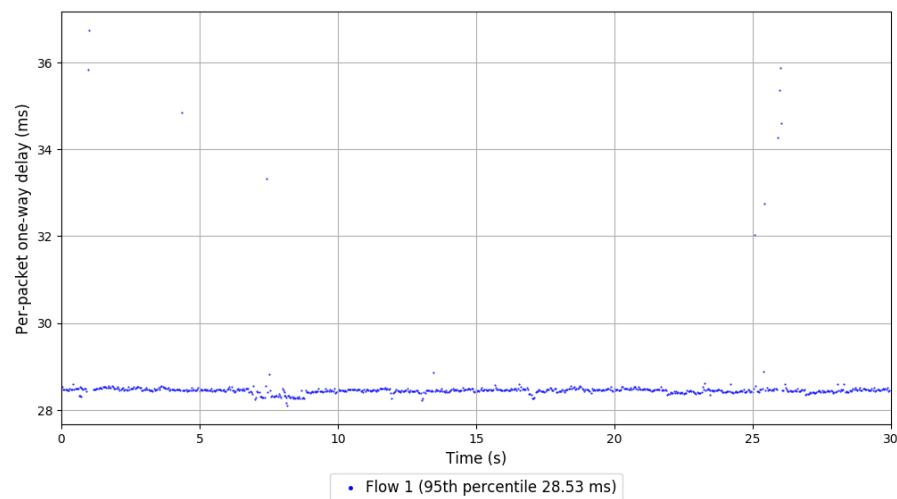
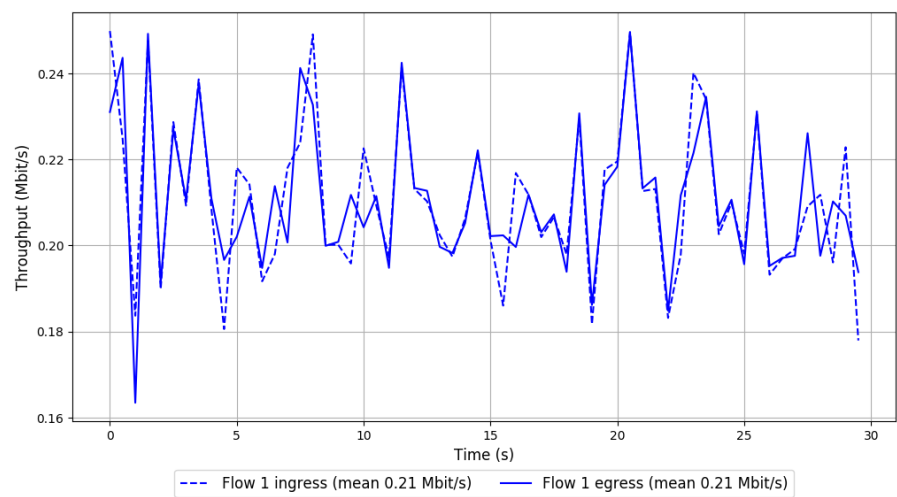


Run 9: Statistics of SCReAM

Start at: 2018-04-10 16:42:43  
End at: 2018-04-10 16:43:13  
Local clock offset: -0.354 ms  
Remote clock offset: -3.098 ms

# Below is generated by plot.py at 2018-04-10 17:46:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 28.531 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 28.531 ms  
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-04-10 17:09:44

End at: 2018-04-10 17:10:14

Local clock offset: 0.344 ms

Remote clock offset: -3.234 ms

# Below is generated by plot.py at 2018-04-10 17:46:59

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 28.968 ms

Loss rate: 0.13%

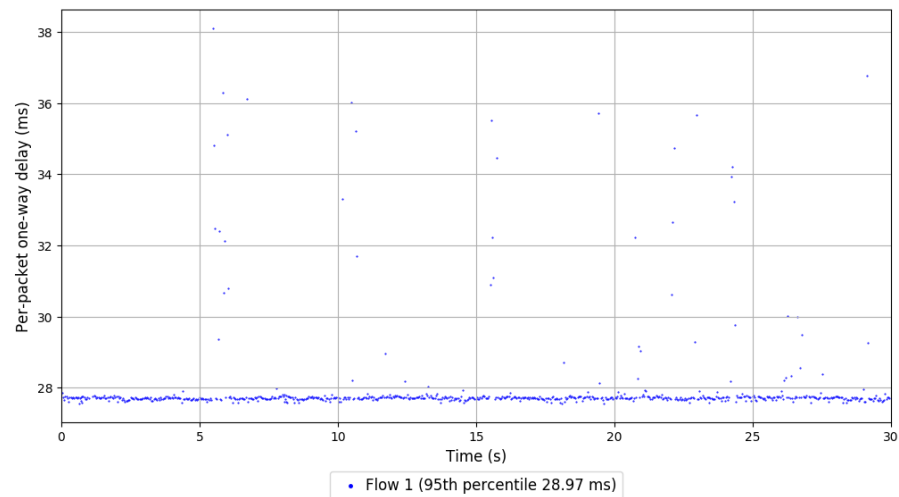
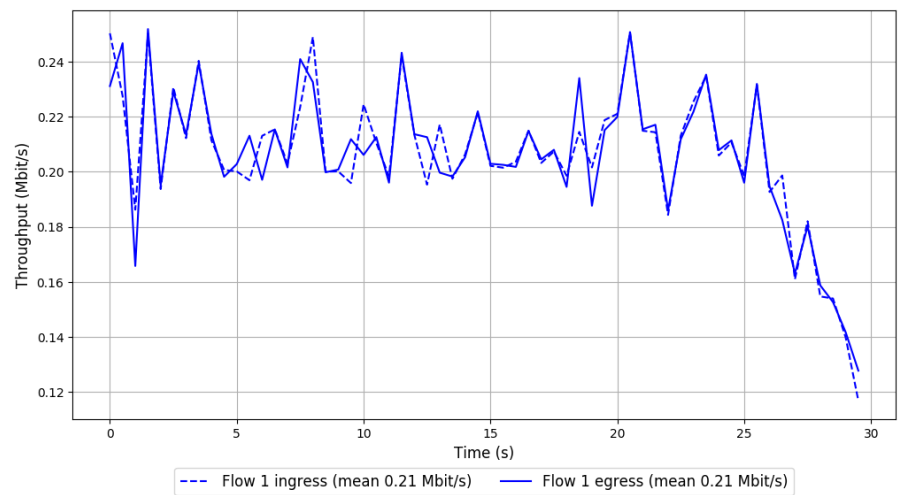
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 28.968 ms

Loss rate: 0.13%

Run 10: Report of SReAM — Data Link



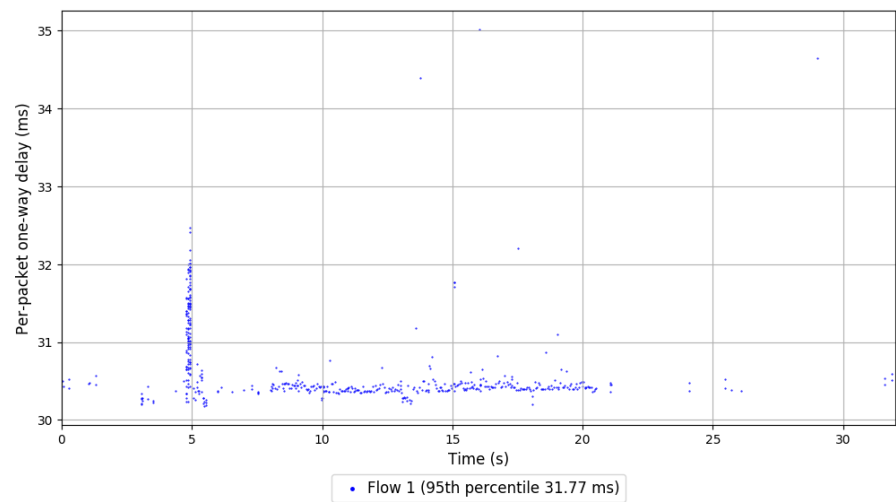
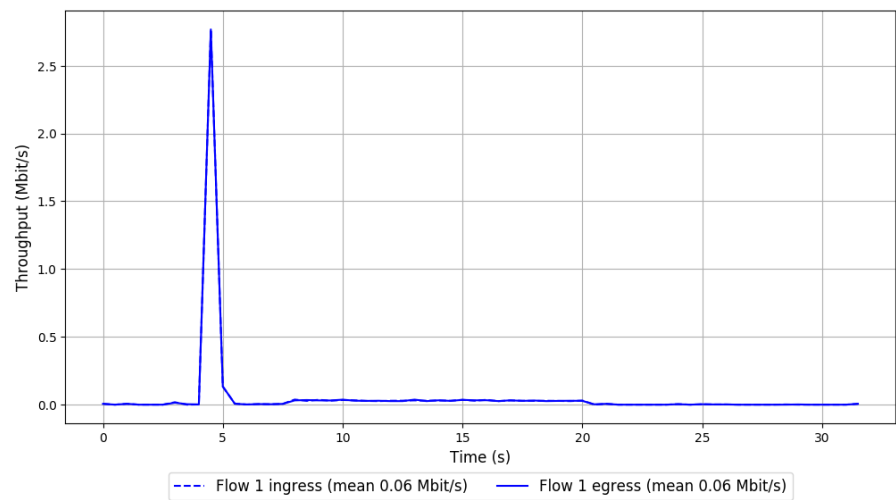
Run 1: Statistics of WebRTC media

Start at: 2018-04-10 13:18:13  
End at: 2018-04-10 13:18:43  
Local clock offset: 0.083 ms  
Remote clock offset: -1.867 ms

# Below is generated by plot.py at 2018-04-10 17:46:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 31.771 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 31.771 ms  
Loss rate: 0.00%



Run 1: Report of WebRTC media — Data Link

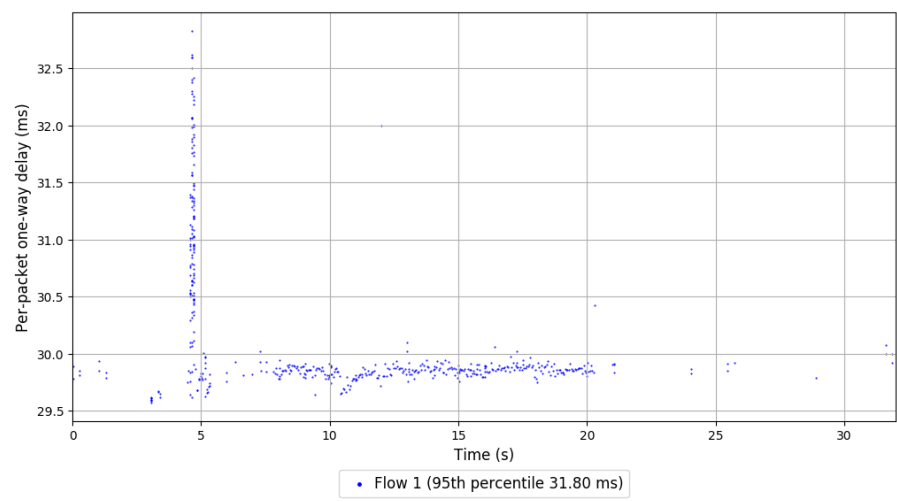
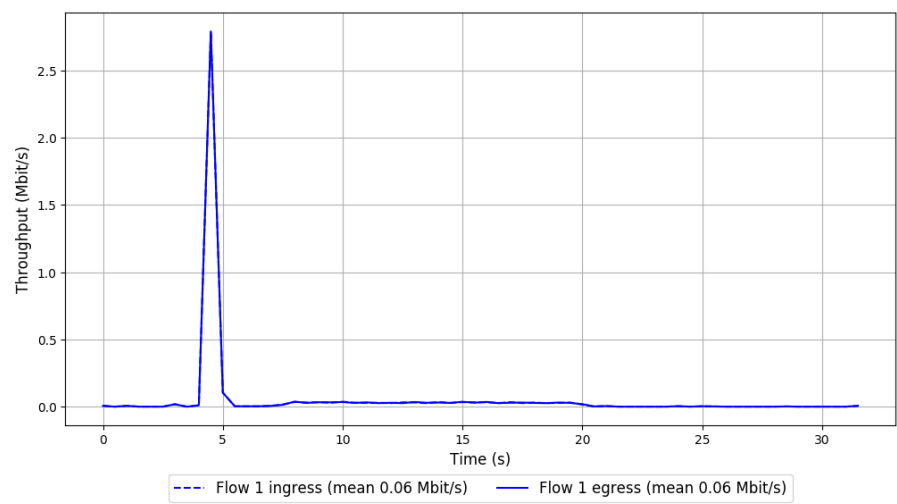


Run 2: Statistics of WebRTC media

Start at: 2018-04-10 13:42:30  
End at: 2018-04-10 13:43:00  
Local clock offset: 0.091 ms  
Remote clock offset: -2.126 ms

# Below is generated by plot.py at 2018-04-10 17:46:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 31.803 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 31.803 ms  
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

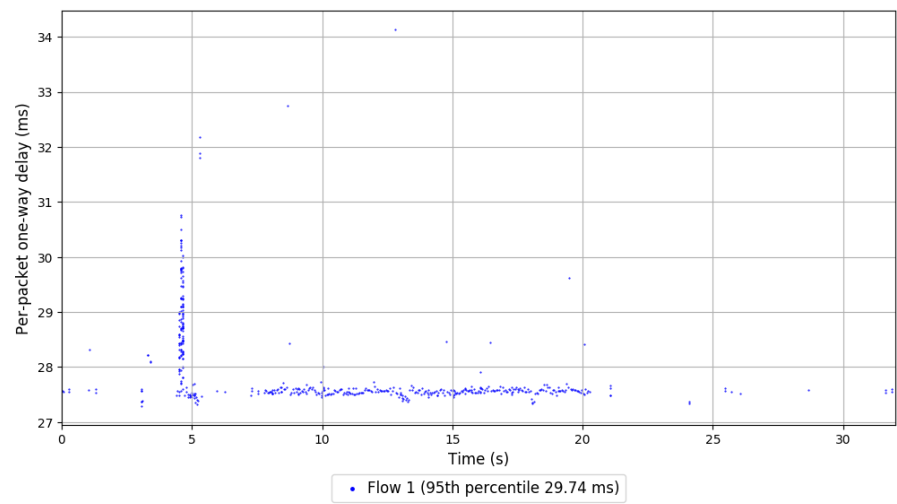
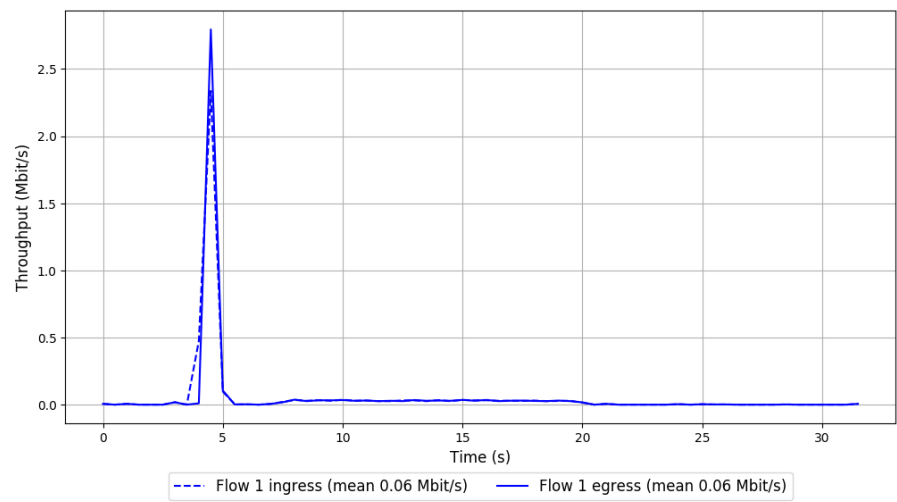


Run 3: Statistics of WebRTC media

Start at: 2018-04-10 14:06:38  
End at: 2018-04-10 14:07:08  
Local clock offset: 0.18 ms  
Remote clock offset: -5.808 ms

# Below is generated by plot.py at 2018-04-10 17:46:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 29.739 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 29.739 ms  
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

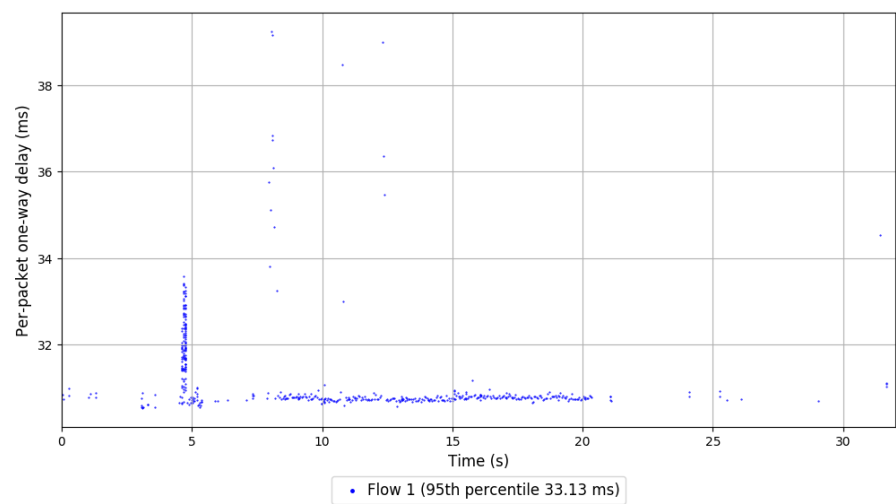
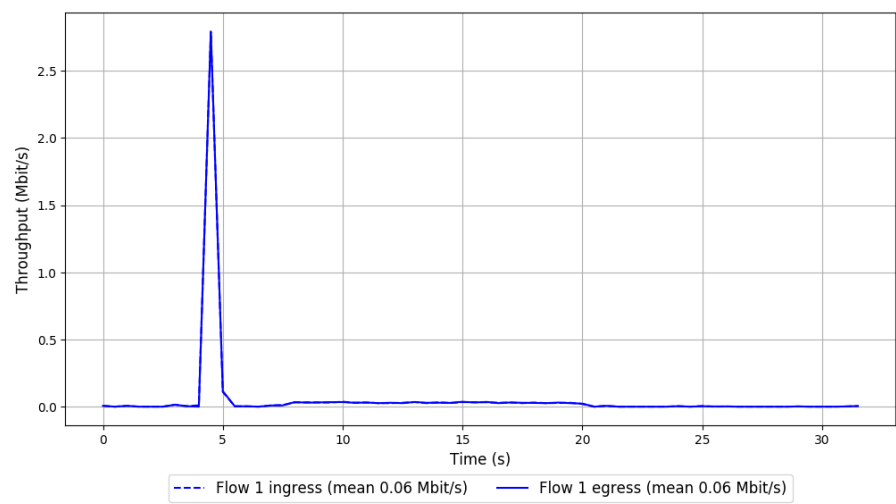


Run 4: Statistics of WebRTC media

Start at: 2018-04-10 14:30:48  
End at: 2018-04-10 14:31:18  
Local clock offset: 0.246 ms  
Remote clock offset: -1.606 ms

# Below is generated by plot.py at 2018-04-10 17:46:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 33.130 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 33.130 ms  
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



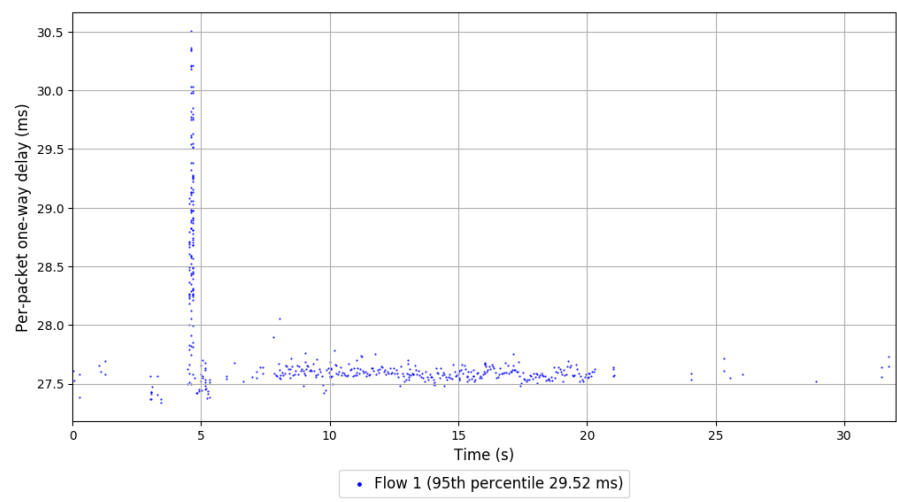
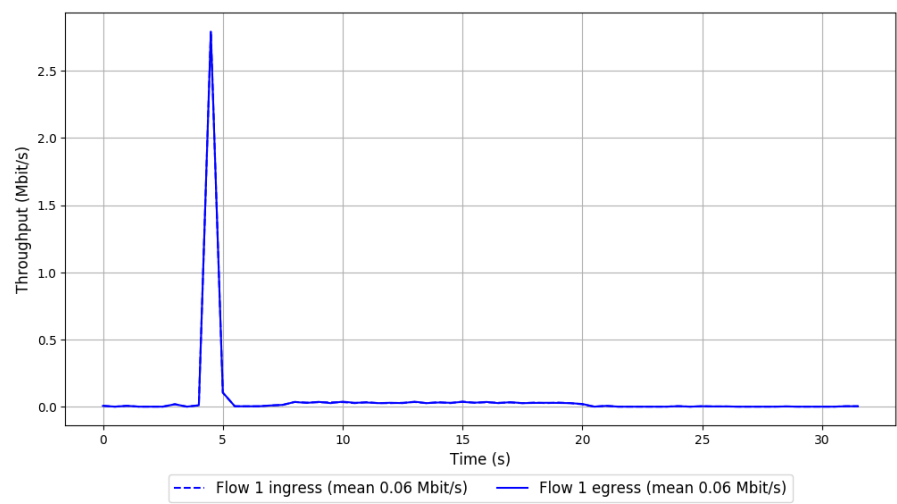
Run 5: Statistics of WebRTC media

Start at: 2018-04-10 14:56:00  
End at: 2018-04-10 14:56:30  
Local clock offset: 0.135 ms  
Remote clock offset: -4.034 ms

# Below is generated by plot.py at 2018-04-10 17:46:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 29.517 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 29.517 ms  
Loss rate: 0.00%



Run 5: Report of WebRTC media — Data Link

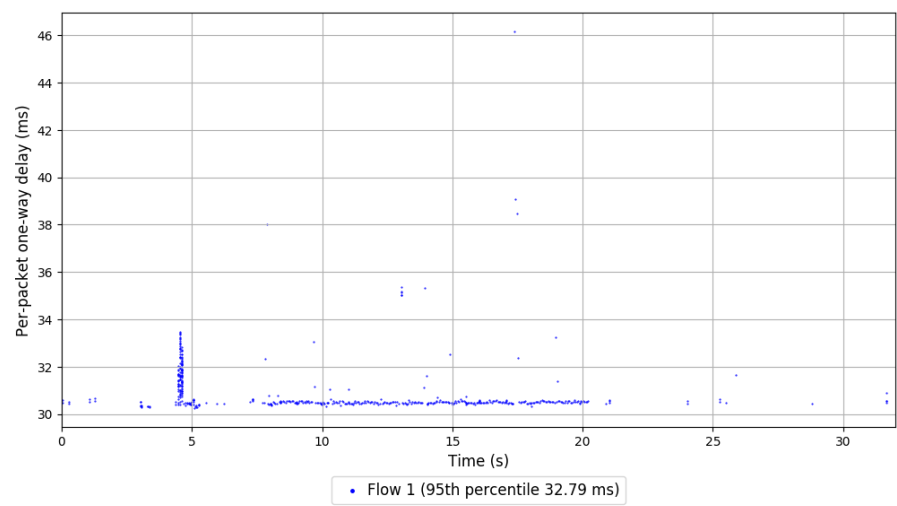
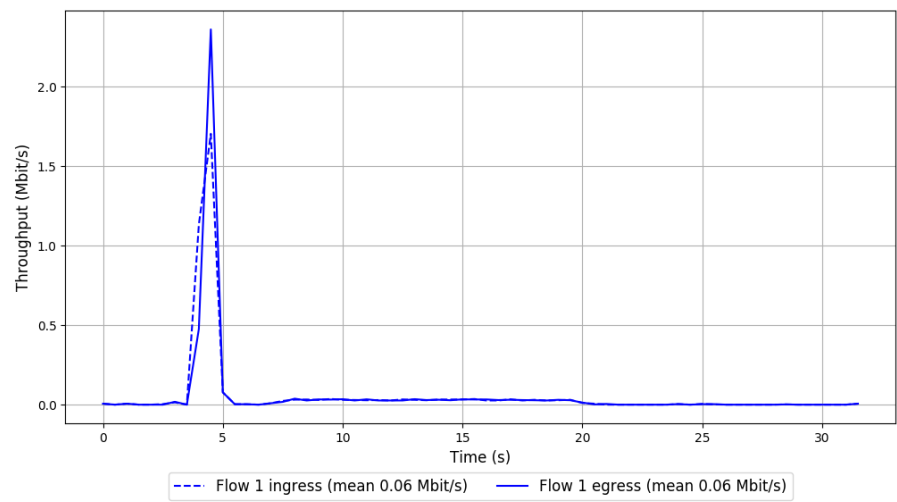


Run 6: Statistics of WebRTC media

Start at: 2018-04-10 15:20:15  
End at: 2018-04-10 15:20:45  
Local clock offset: -0.033 ms  
Remote clock offset: -2.052 ms

# Below is generated by plot.py at 2018-04-10 17:46:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 32.788 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 32.788 ms  
Loss rate: 0.07%

Run 6: Report of WebRTC media — Data Link

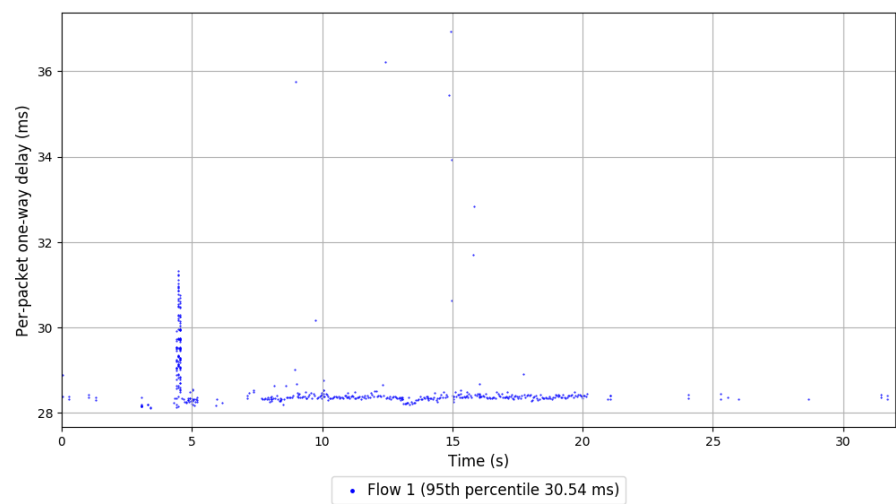
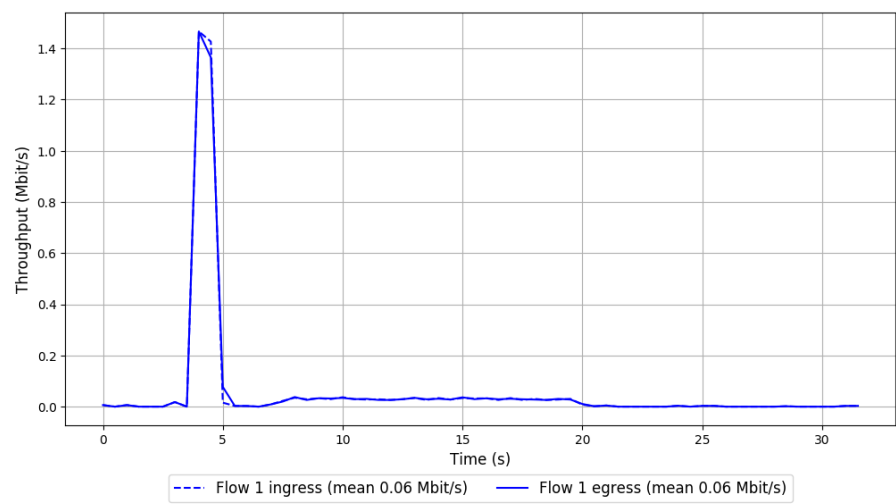


Run 7: Statistics of WebRTC media

Start at: 2018-04-10 15:44:56  
End at: 2018-04-10 15:45:26  
Local clock offset: 0.291 ms  
Remote clock offset: -4.104 ms

# Below is generated by plot.py at 2018-04-10 17:46:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 30.541 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 30.541 ms  
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

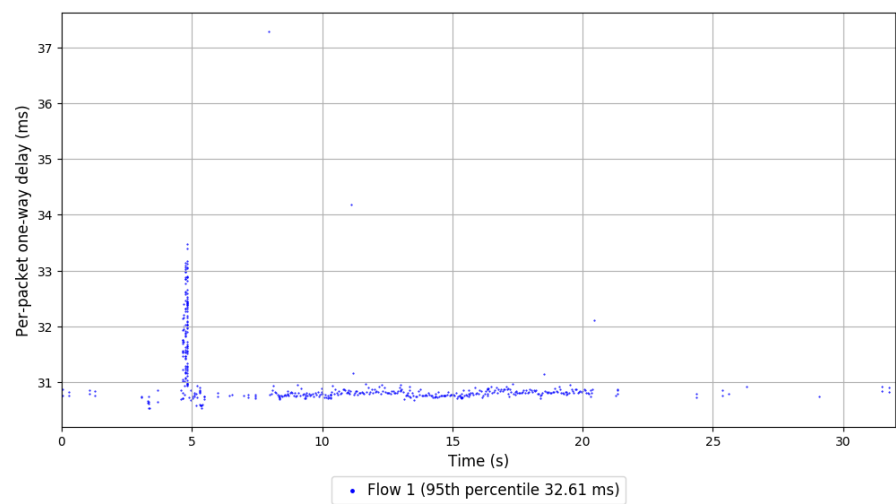
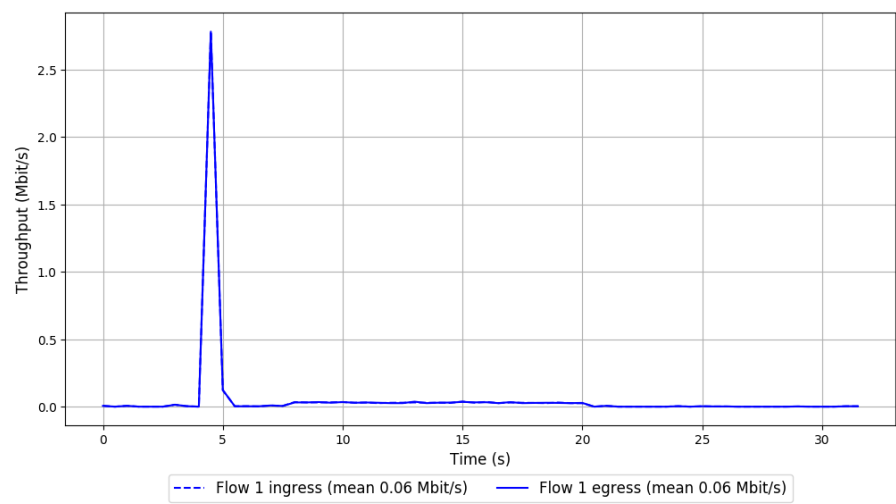


Run 8: Statistics of WebRTC media

Start at: 2018-04-10 16:10:35  
End at: 2018-04-10 16:11:05  
Local clock offset: 0.071 ms  
Remote clock offset: -2.109 ms

# Below is generated by plot.py at 2018-04-10 17:46:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 32.607 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 32.607 ms  
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



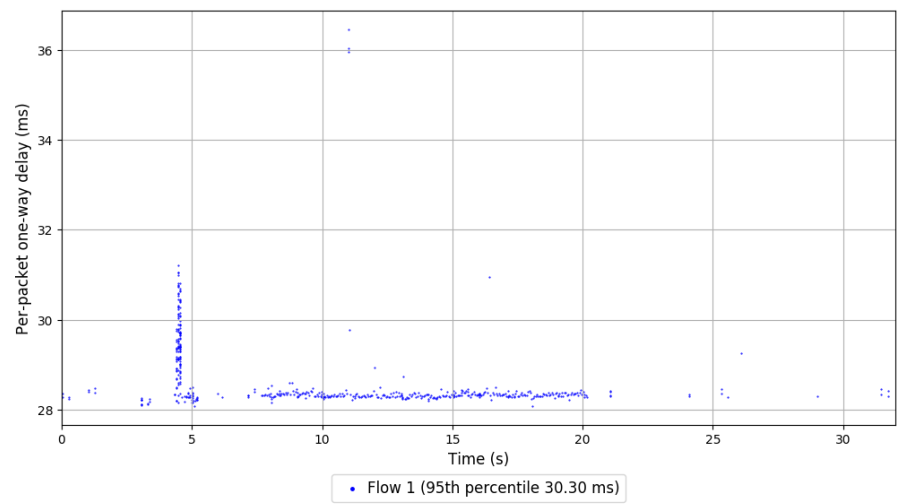
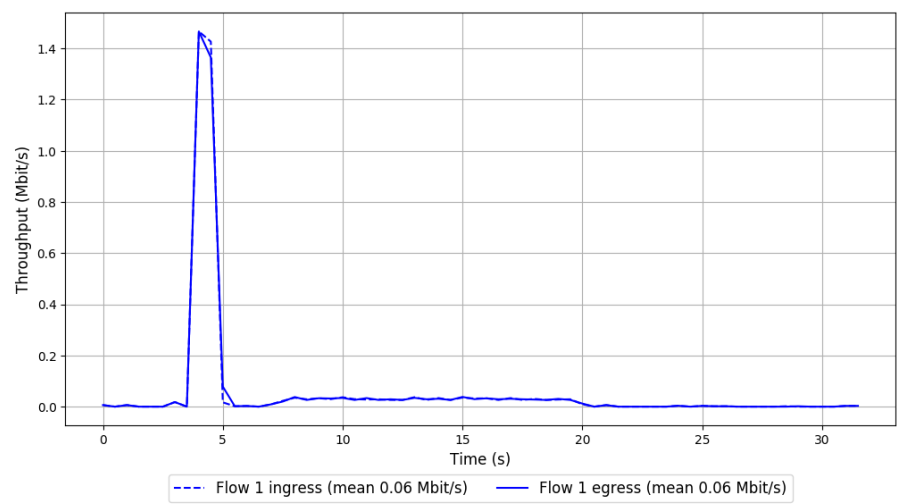
Run 9: Statistics of WebRTC media

Start at: 2018-04-10 16:36:08  
End at: 2018-04-10 16:36:38  
Local clock offset: -0.322 ms  
Remote clock offset: -3.525 ms

# Below is generated by plot.py at 2018-04-10 17:46:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 30.301 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 30.301 ms  
Loss rate: 0.00%



Run 9: Report of WebRTC media — Data Link

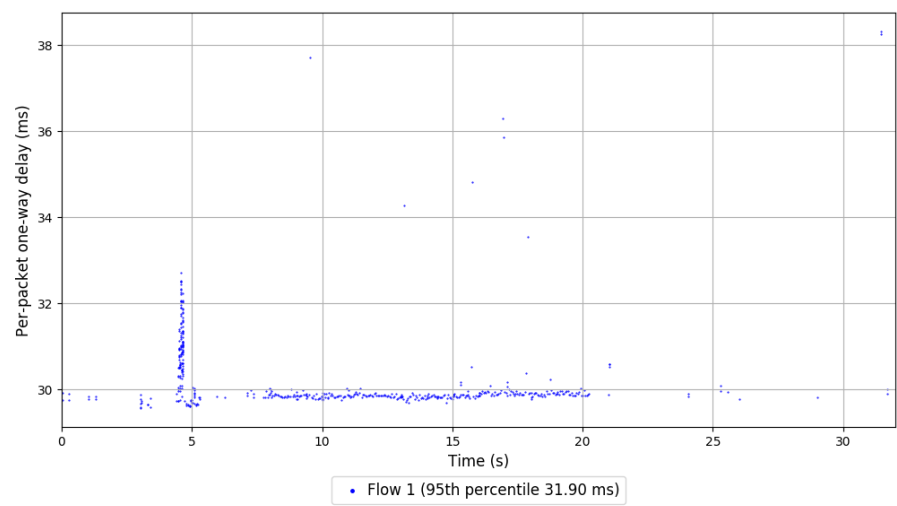
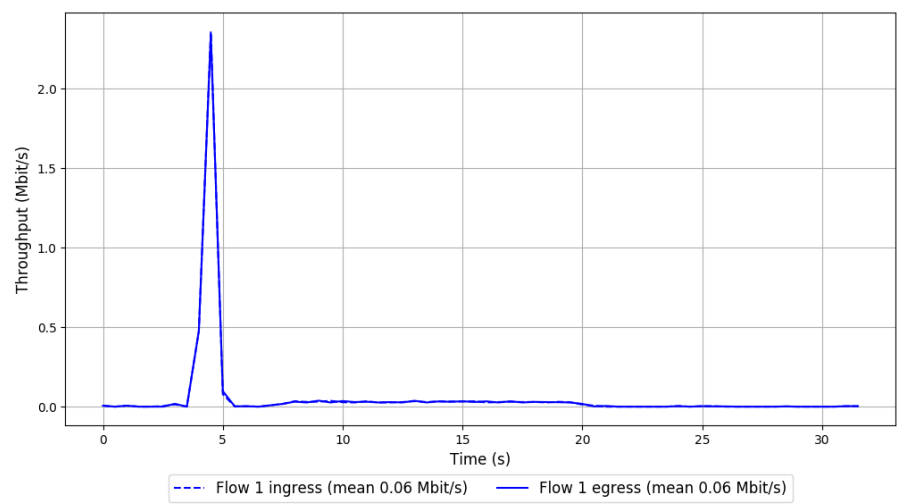


Run 10: Statistics of WebRTC media

Start at: 2018-04-10 17:02:46  
End at: 2018-04-10 17:03:16  
Local clock offset: -0.355 ms  
Remote clock offset: -0.496 ms

# Below is generated by plot.py at 2018-04-10 17:46:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 31.904 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 31.904 ms  
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

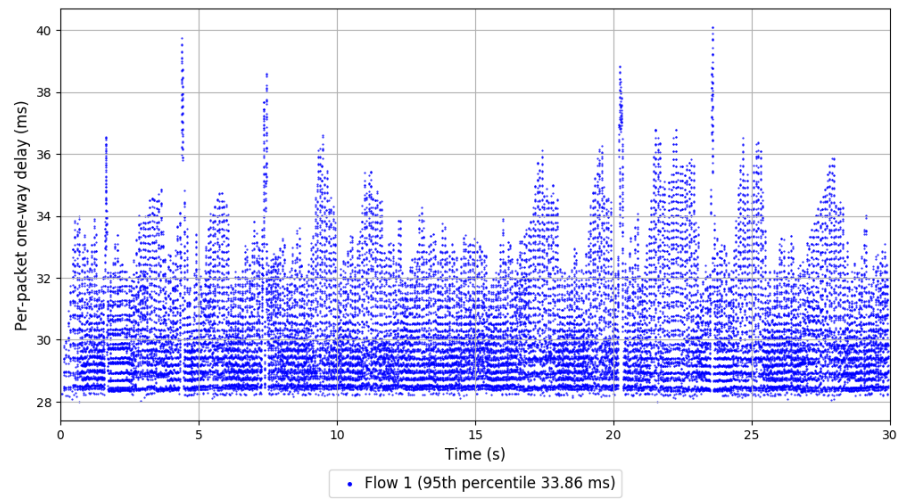
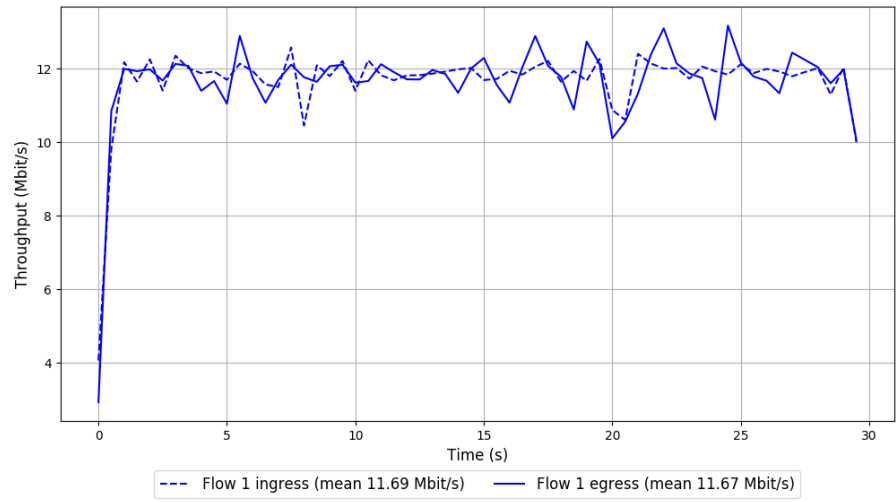


Run 1: Statistics of Sprout

Start at: 2018-04-10 13:20:52  
End at: 2018-04-10 13:21:22  
Local clock offset: 0.196 ms  
Remote clock offset: -3.776 ms

# Below is generated by plot.py at 2018-04-10 17:46:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.67 Mbit/s  
95th percentile per-packet one-way delay: 33.858 ms  
Loss rate: 0.16%  
-- Flow 1:  
Average throughput: 11.67 Mbit/s  
95th percentile per-packet one-way delay: 33.858 ms  
Loss rate: 0.16%

# Run 1: Report of Sprout — Data Link

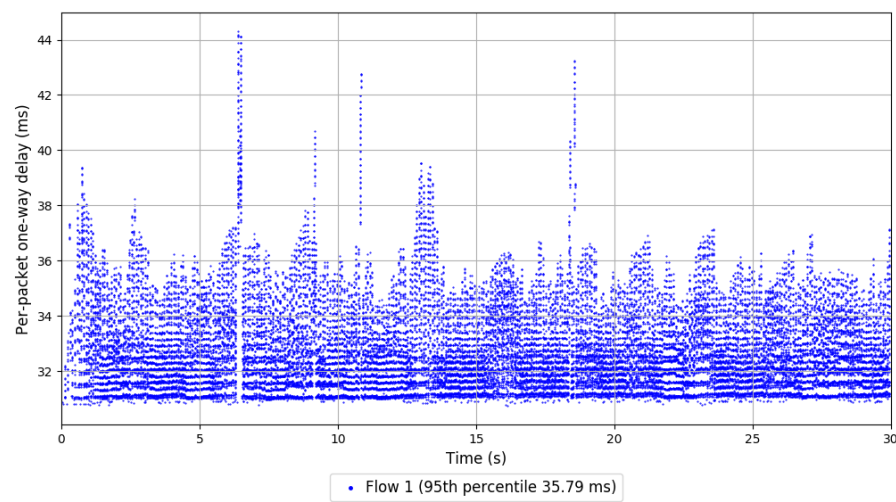
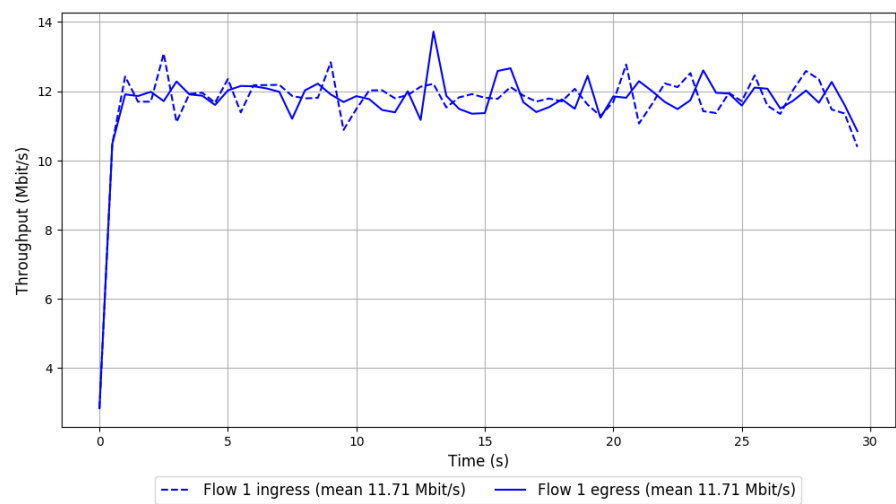


Run 2: Statistics of Sprout

Start at: 2018-04-10 13:45:09  
End at: 2018-04-10 13:45:39  
Local clock offset: 0.192 ms  
Remote clock offset: -2.012 ms

# Below is generated by plot.py at 2018-04-10 17:46:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.71 Mbit/s  
95th percentile per-packet one-way delay: 35.794 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 11.71 Mbit/s  
95th percentile per-packet one-way delay: 35.794 ms  
Loss rate: 0.01%

Run 2: Report of Sprout — Data Link



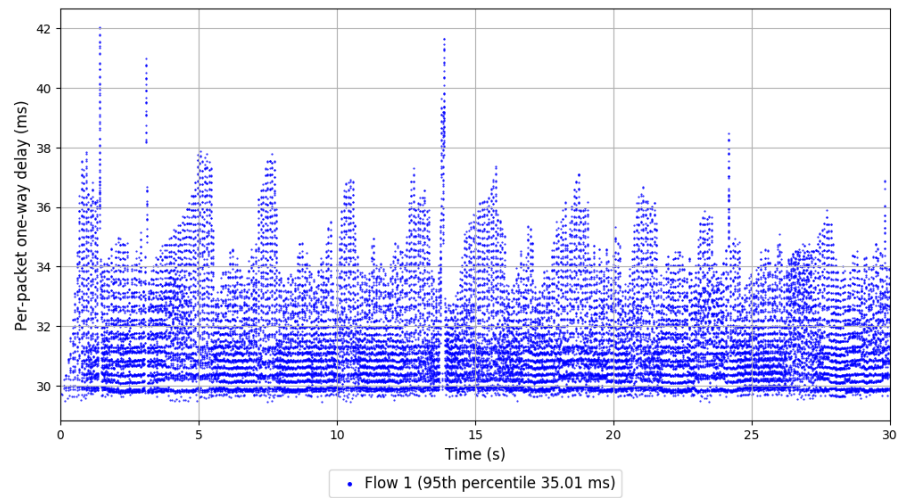
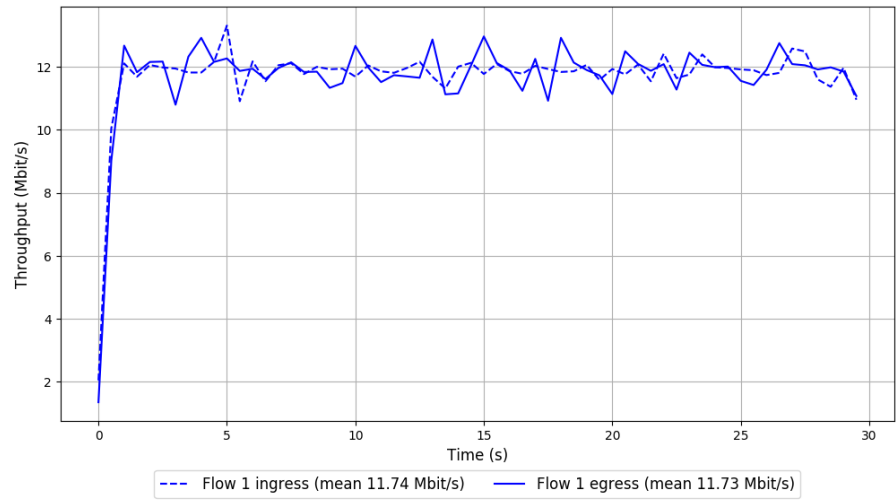
Run 3: Statistics of Sprout

Start at: 2018-04-10 14:09:17  
End at: 2018-04-10 14:09:48  
Local clock offset: 0.155 ms  
Remote clock offset: -3.779 ms

# Below is generated by plot.py at 2018-04-10 17:46:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.73 Mbit/s  
95th percentile per-packet one-way delay: 35.009 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 11.73 Mbit/s  
95th percentile per-packet one-way delay: 35.009 ms  
Loss rate: 0.05%



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



Run 4: Statistics of Sprout

Start at: 2018-04-10 14:33:27

End at: 2018-04-10 14:33:57

Local clock offset: 0.246 ms

Remote clock offset: -3.98 ms

# Below is generated by plot.py at 2018-04-10 17:46:59

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.74 Mbit/s

95th percentile per-packet one-way delay: 33.300 ms

Loss rate: 0.02%

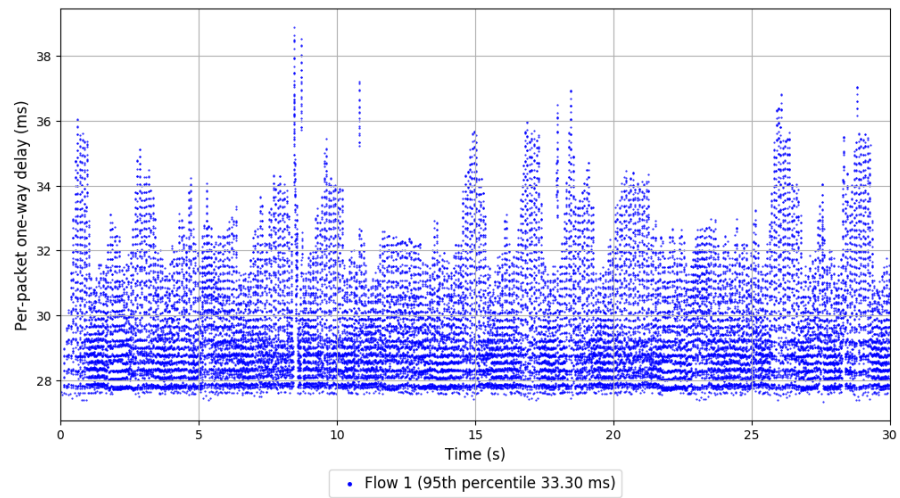
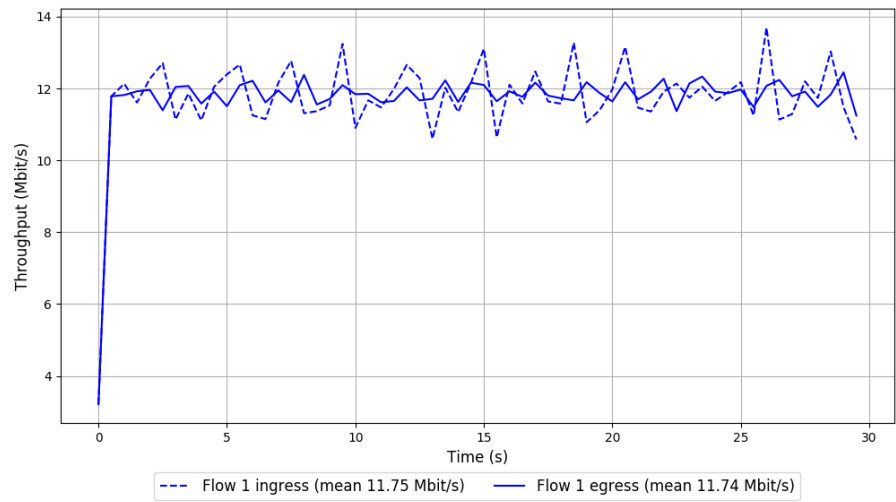
-- Flow 1:

Average throughput: 11.74 Mbit/s

95th percentile per-packet one-way delay: 33.300 ms

Loss rate: 0.02%

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

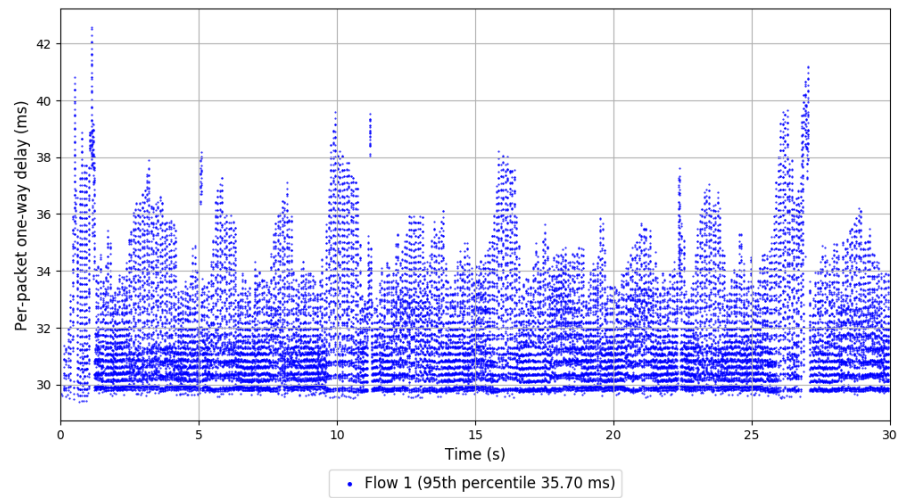
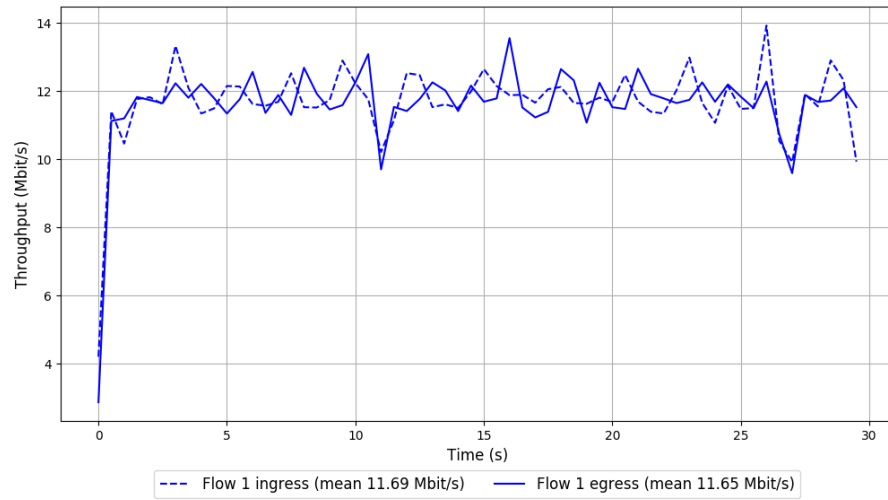


Run 5: Statistics of Sprout

Start at: 2018-04-10 14:58:40  
End at: 2018-04-10 14:59:10  
Local clock offset: 0.12 ms  
Remote clock offset: -2.006 ms

# Below is generated by plot.py at 2018-04-10 17:46:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.65 Mbit/s  
95th percentile per-packet one-way delay: 35.703 ms  
Loss rate: 0.39%  
-- Flow 1:  
Average throughput: 11.65 Mbit/s  
95th percentile per-packet one-way delay: 35.703 ms  
Loss rate: 0.39%

## Run 5: Report of Sprout — Data Link

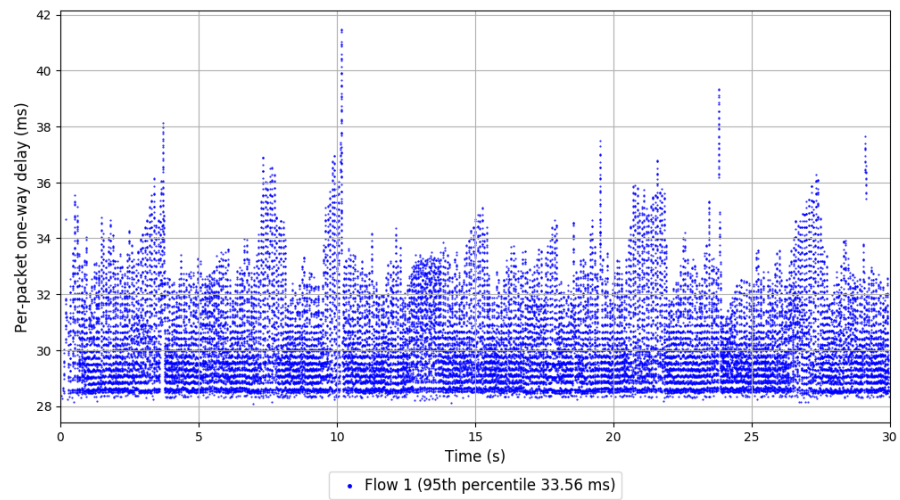
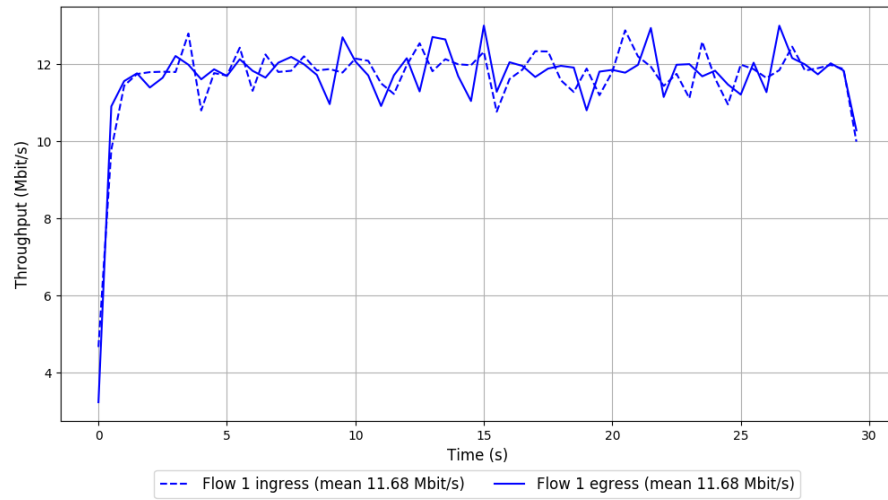


Run 6: Statistics of Sprout

Start at: 2018-04-10 15:22:59  
End at: 2018-04-10 15:23:29  
Local clock offset: 0.042 ms  
Remote clock offset: -4.171 ms

# Below is generated by plot.py at 2018-04-10 17:46:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.68 Mbit/s  
95th percentile per-packet one-way delay: 33.557 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 11.68 Mbit/s  
95th percentile per-packet one-way delay: 33.557 ms  
Loss rate: 0.01%

## Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-04-10 15:47:36

End at: 2018-04-10 15:48:06

Local clock offset: 0.428 ms

Remote clock offset: -1.54 ms

# Below is generated by plot.py at 2018-04-10 17:46:59

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.63 Mbit/s

95th percentile per-packet one-way delay: 36.795 ms

Loss rate: 0.38%

-- Flow 1:

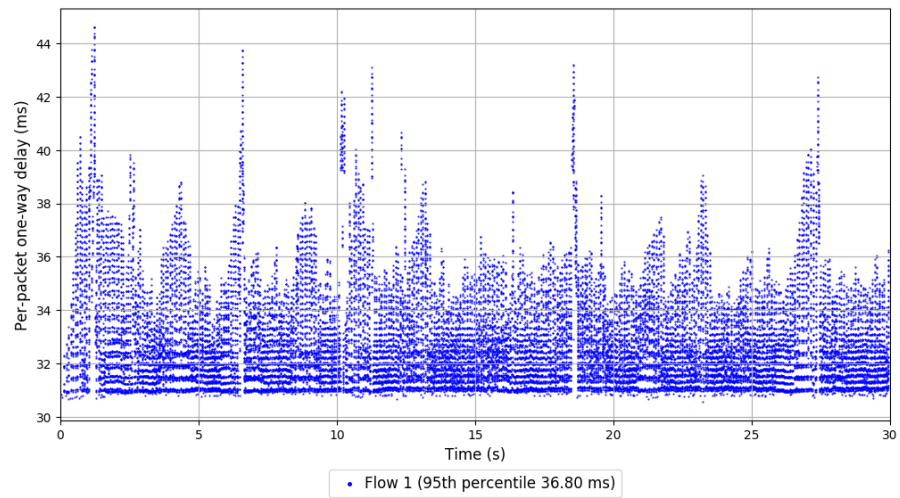
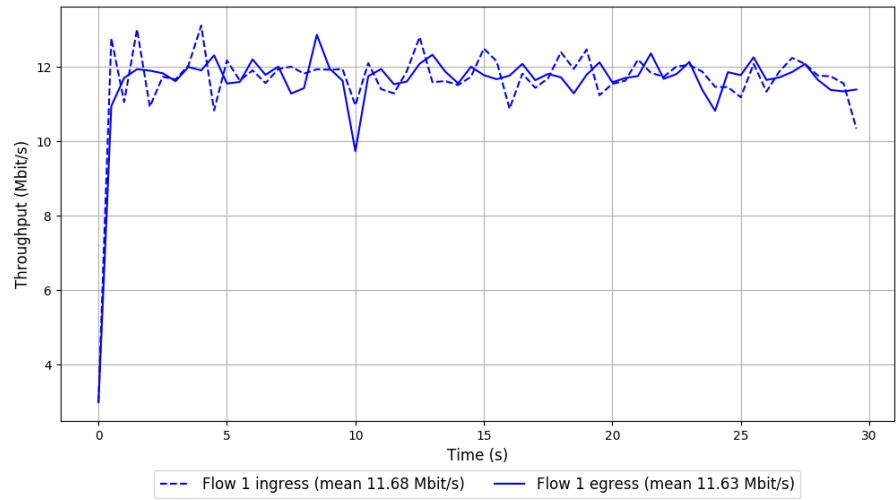
Average throughput: 11.63 Mbit/s

95th percentile per-packet one-way delay: 36.795 ms

Loss rate: 0.38%



## Run 7: Report of Sprout — Data Link

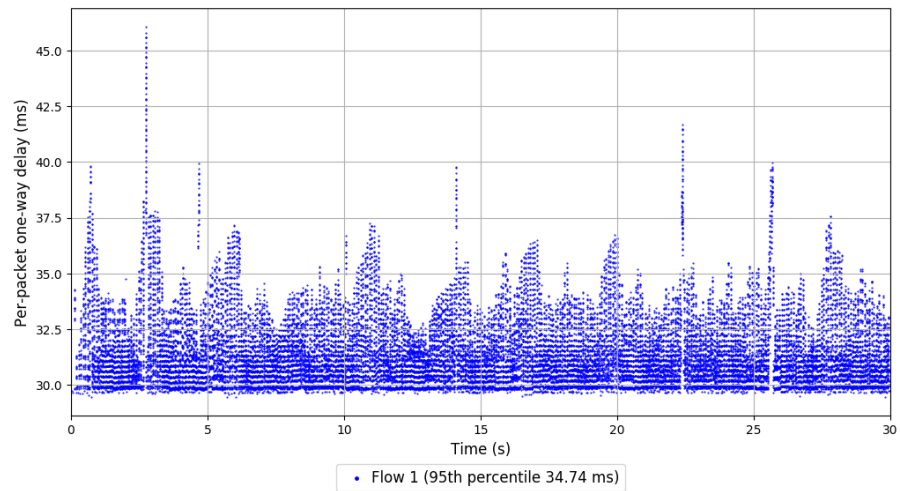
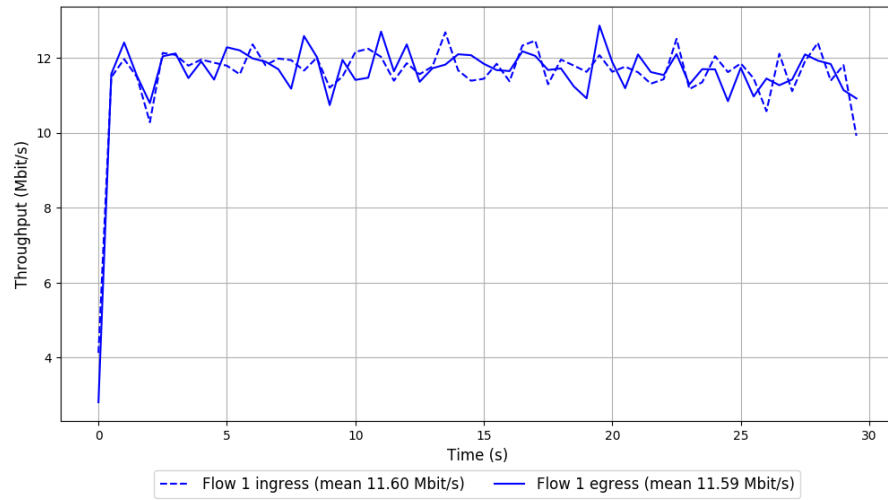


Run 8: Statistics of Sprout

Start at: 2018-04-10 16:13:33  
End at: 2018-04-10 16:14:03  
Local clock offset: 0.03 ms  
Remote clock offset: -2.581 ms

# Below is generated by plot.py at 2018-04-10 17:46:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.59 Mbit/s  
95th percentile per-packet one-way delay: 34.739 ms  
Loss rate: 0.17%  
-- Flow 1:  
Average throughput: 11.59 Mbit/s  
95th percentile per-packet one-way delay: 34.739 ms  
Loss rate: 0.17%

# Run 8: Report of Sprout — Data Link

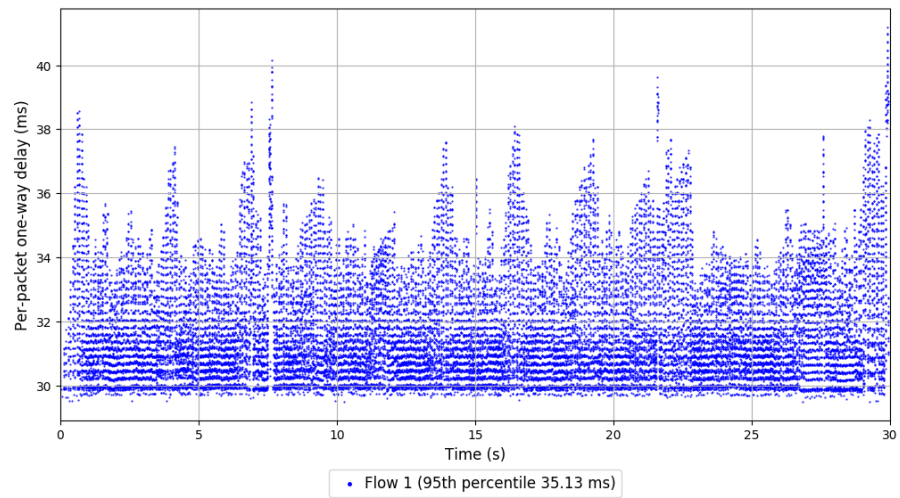
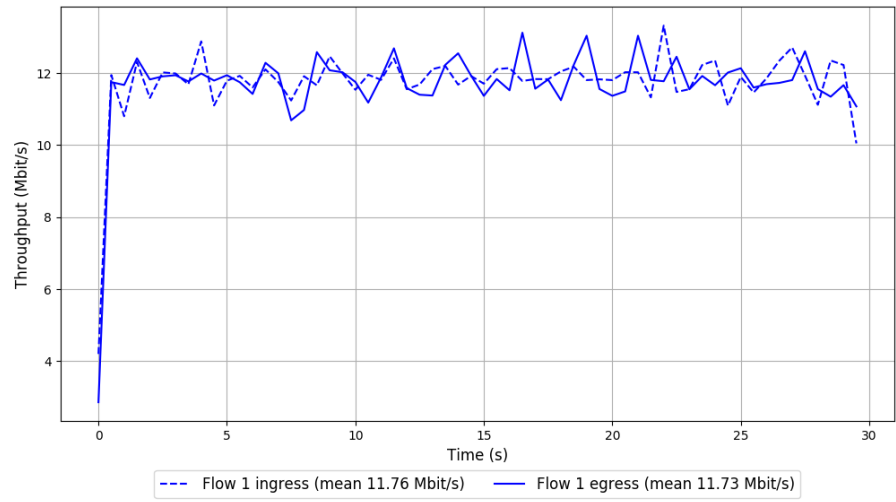


Run 9: Statistics of Sprout

Start at: 2018-04-10 16:38:49  
End at: 2018-04-10 16:39:19  
Local clock offset: -0.346 ms  
Remote clock offset: -1.258 ms

# Below is generated by plot.py at 2018-04-10 17:46:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.73 Mbit/s  
95th percentile per-packet one-way delay: 35.127 ms  
Loss rate: 0.30%  
-- Flow 1:  
Average throughput: 11.73 Mbit/s  
95th percentile per-packet one-way delay: 35.127 ms  
Loss rate: 0.30%

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

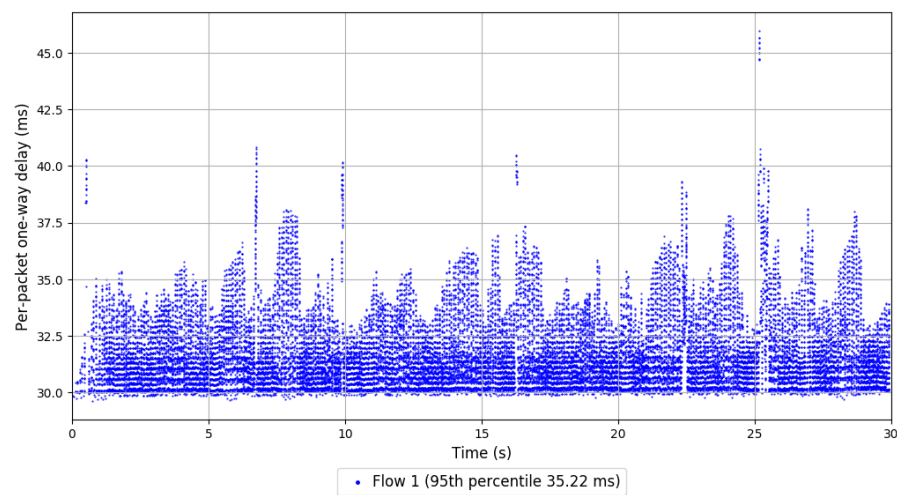
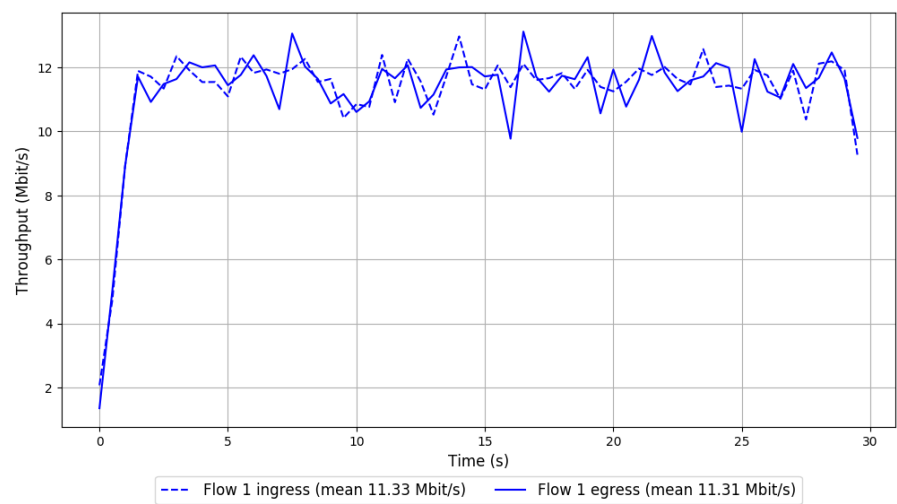


Run 10: Statistics of Sprout

Start at: 2018-04-10 17:05:38  
End at: 2018-04-10 17:06:08  
Local clock offset: -0.074 ms  
Remote clock offset: -0.772 ms

# Below is generated by plot.py at 2018-04-10 17:46:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.31 Mbit/s  
95th percentile per-packet one-way delay: 35.224 ms  
Loss rate: 0.23%  
-- Flow 1:  
Average throughput: 11.31 Mbit/s  
95th percentile per-packet one-way delay: 35.224 ms  
Loss rate: 0.23%

Run 10: Report of Sprout — Data Link



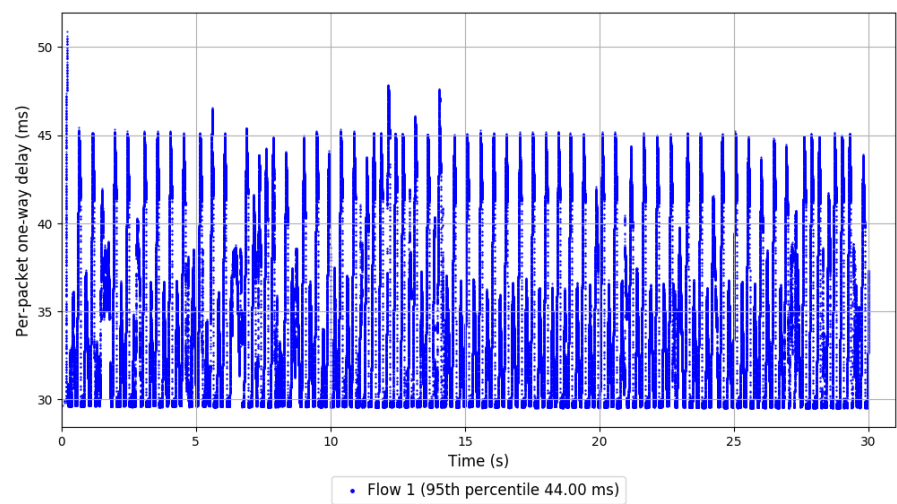
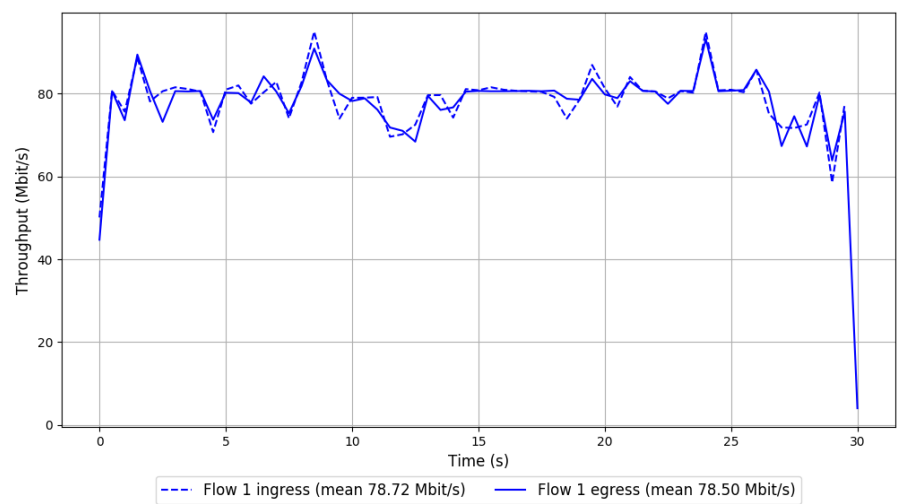
```
Run 1: Statistics of TaoVA-100x

Start at: 2018-04-10 13:09:59
End at: 2018-04-10 13:10:29
Local clock offset: 0.131 ms
Remote clock offset: -2.921 ms

# Below is generated by plot.py at 2018-04-10 17:48:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.50 Mbit/s
95th percentile per-packet one-way delay: 43.998 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 78.50 Mbit/s
95th percentile per-packet one-way delay: 43.998 ms
Loss rate: 0.25%
```



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



Run 2: Statistics of TaoVA-100x

Start at: 2018-04-10 13:34:22

End at: 2018-04-10 13:34:52

Local clock offset: 0.198 ms

Remote clock offset: -1.114 ms

# Below is generated by plot.py at 2018-04-10 17:48:55

# Datalink statistics

-- Total of 1 flow:

Average throughput: 74.60 Mbit/s

95th percentile per-packet one-way delay: 44.213 ms

Loss rate: 0.13%

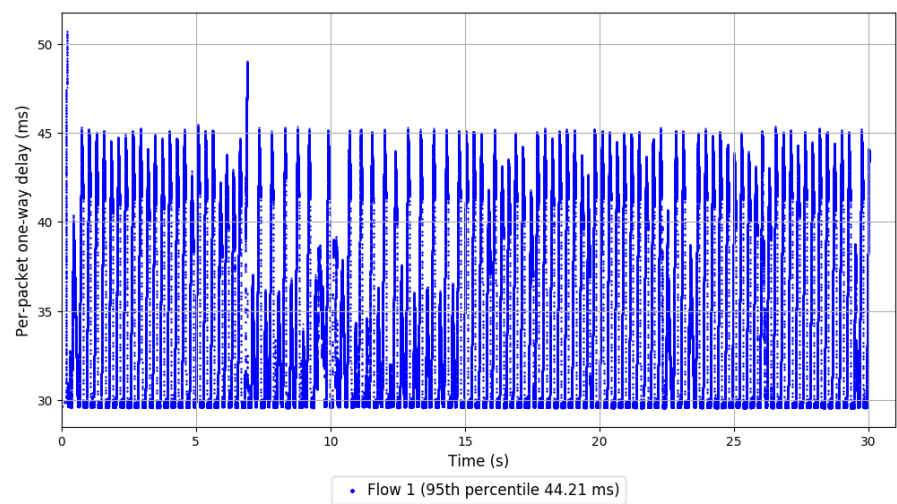
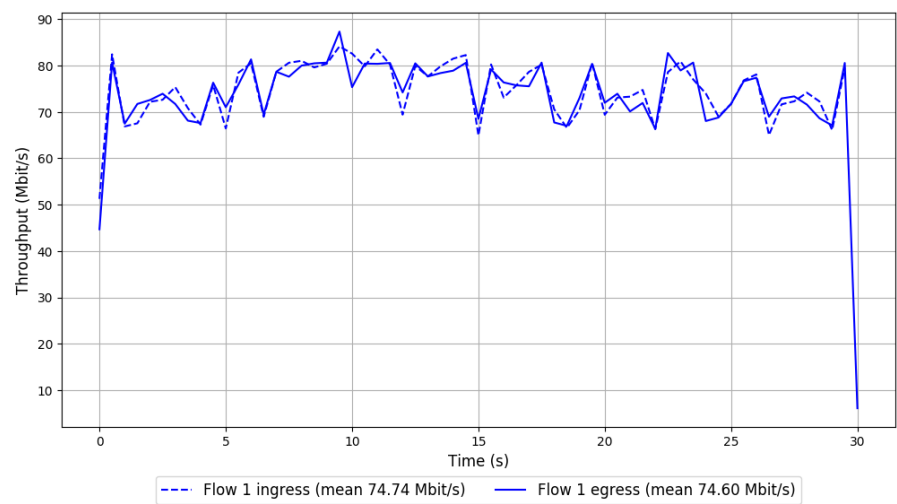
-- Flow 1:

Average throughput: 74.60 Mbit/s

95th percentile per-packet one-way delay: 44.213 ms

Loss rate: 0.13%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-04-10 13:58:24

End at: 2018-04-10 13:58:54

Local clock offset: 0.115 ms

Remote clock offset: -3.395 ms

# Below is generated by plot.py at 2018-04-10 17:49:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 78.74 Mbit/s

95th percentile per-packet one-way delay: 45.287 ms

Loss rate: 0.07%

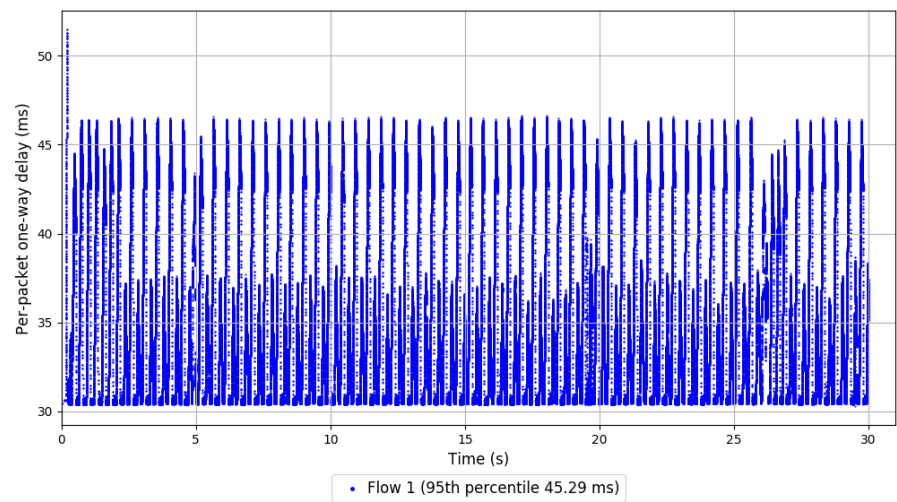
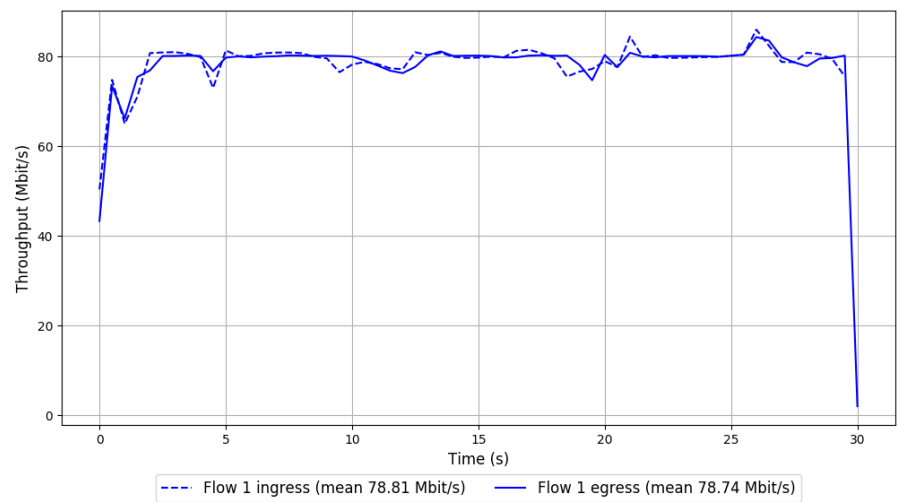
-- Flow 1:

Average throughput: 78.74 Mbit/s

95th percentile per-packet one-way delay: 45.287 ms

Loss rate: 0.07%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-04-10 14:22:40

End at: 2018-04-10 14:23:10

Local clock offset: 0.266 ms

Remote clock offset: -2.449 ms

# Below is generated by plot.py at 2018-04-10 17:49:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 78.31 Mbit/s

95th percentile per-packet one-way delay: 44.302 ms

Loss rate: 0.11%

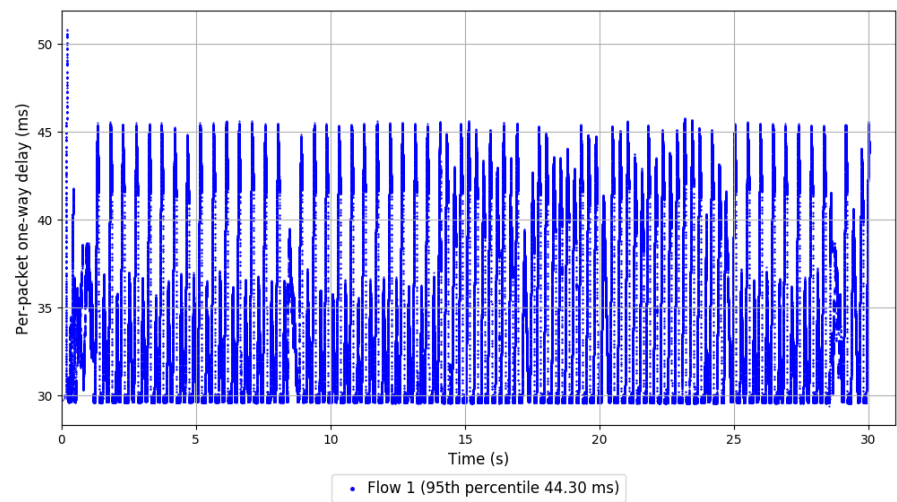
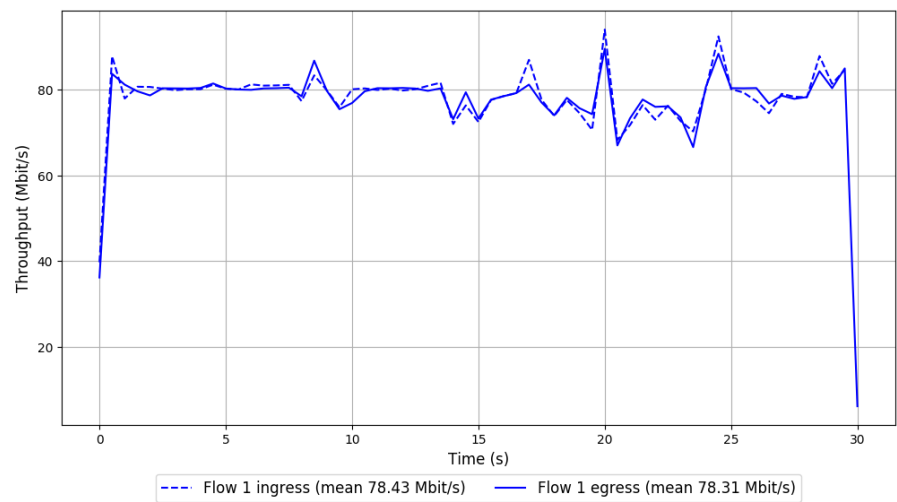
-- Flow 1:

Average throughput: 78.31 Mbit/s

95th percentile per-packet one-way delay: 44.302 ms

Loss rate: 0.11%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-04-10 14:47:22

End at: 2018-04-10 14:47:52

Local clock offset: 0.165 ms

Remote clock offset: -3.819 ms

# Below is generated by plot.py at 2018-04-10 17:49:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 80.08 Mbit/s

95th percentile per-packet one-way delay: 41.819 ms

Loss rate: 0.42%

-- Flow 1:

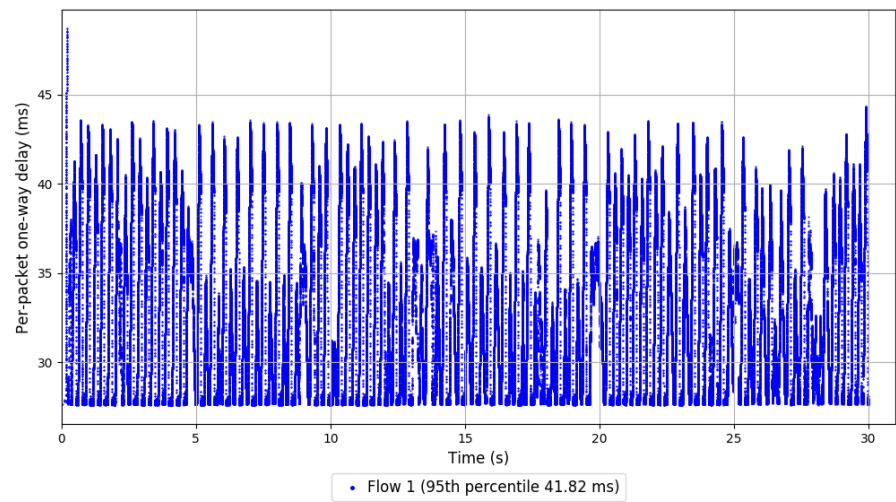
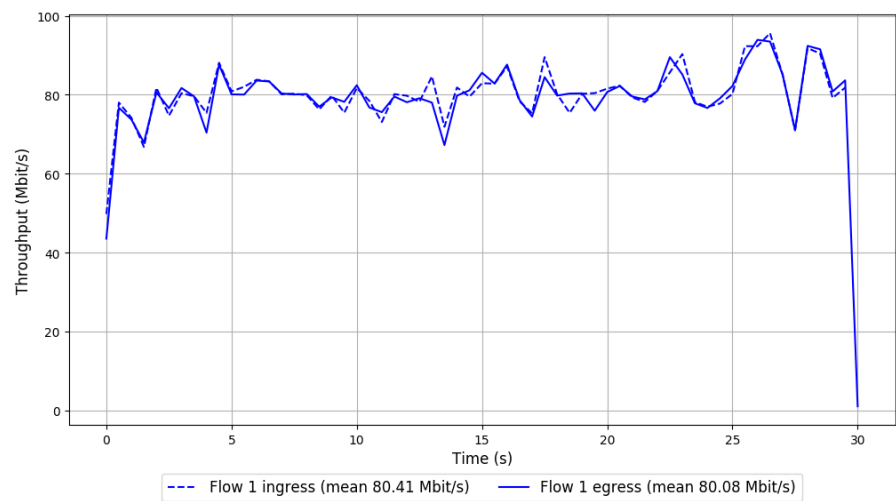
Average throughput: 80.08 Mbit/s

95th percentile per-packet one-way delay: 41.819 ms

Loss rate: 0.42%



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

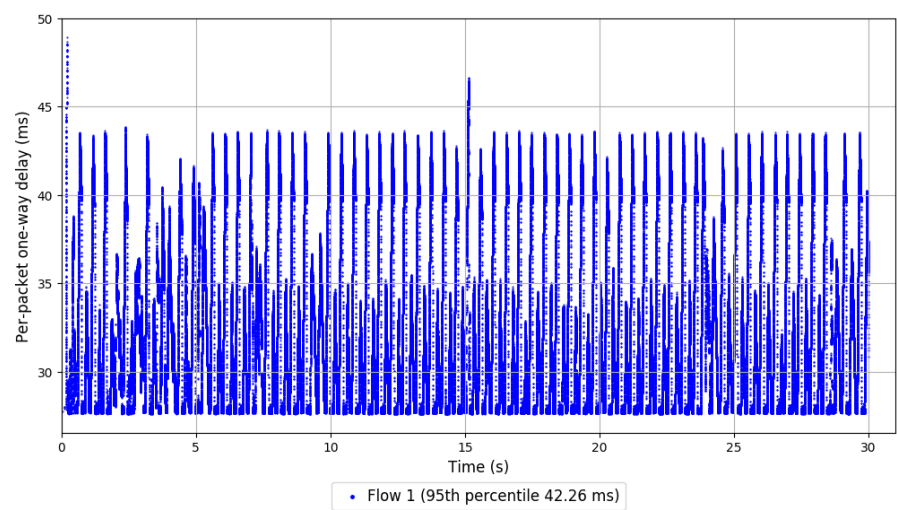
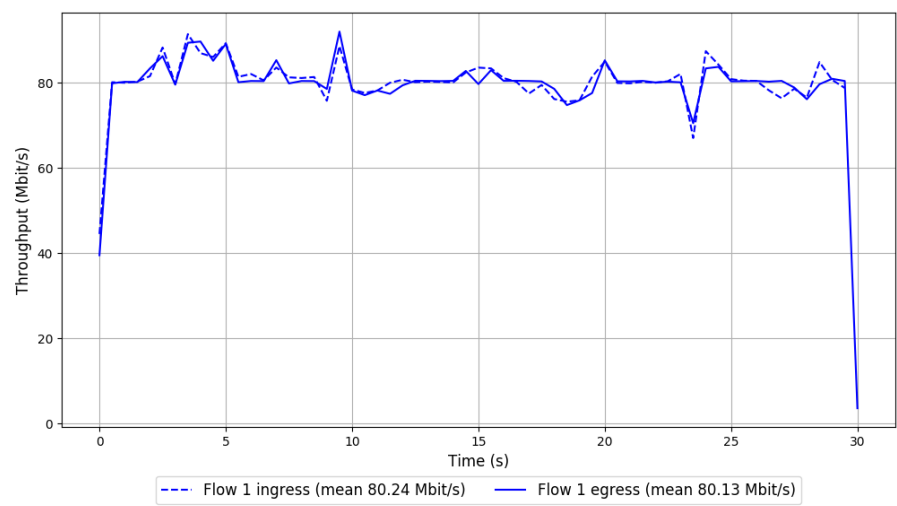


Run 6: Statistics of TaoVA-100x

Start at: 2018-04-10 15:11:57  
End at: 2018-04-10 15:12:27  
Local clock offset: -0.047 ms  
Remote clock offset: -4.116 ms

# Below is generated by plot.py at 2018-04-10 17:49:01  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 80.13 Mbit/s  
95th percentile per-packet one-way delay: 42.255 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 80.13 Mbit/s  
95th percentile per-packet one-way delay: 42.255 ms  
Loss rate: 0.14%

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

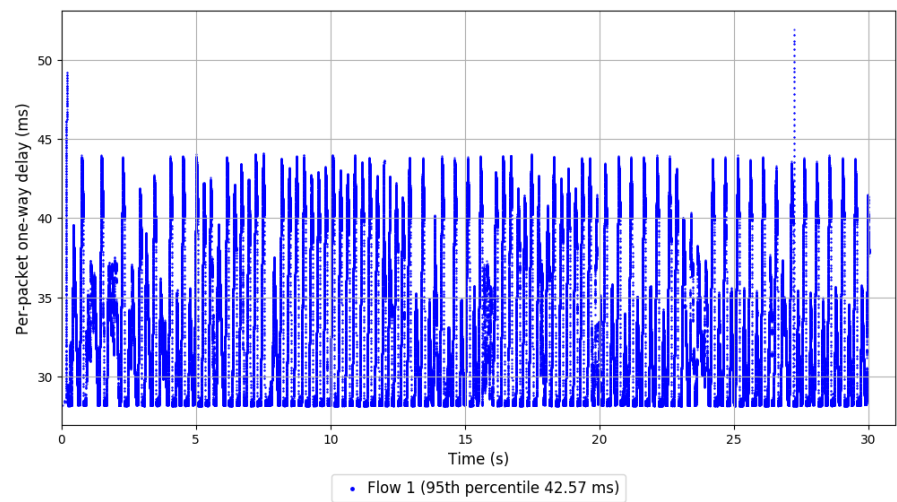
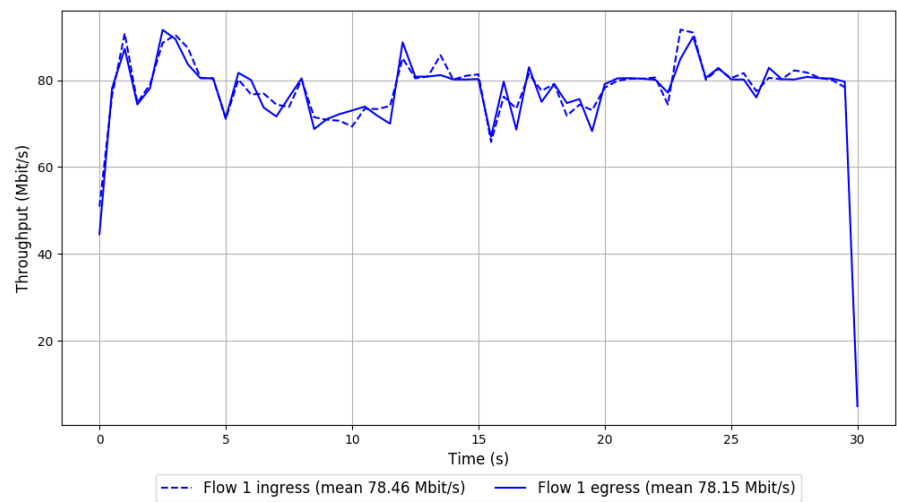


Run 7: Statistics of TaoVA-100x

Start at: 2018-04-10 15:36:37  
End at: 2018-04-10 15:37:07  
Local clock offset: 0.354 ms  
Remote clock offset: -4.176 ms

# Below is generated by plot.py at 2018-04-10 17:49:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.15 Mbit/s  
95th percentile per-packet one-way delay: 42.572 ms  
Loss rate: 0.37%  
-- Flow 1:  
Average throughput: 78.15 Mbit/s  
95th percentile per-packet one-way delay: 42.572 ms  
Loss rate: 0.37%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-04-10 16:01:26

End at: 2018-04-10 16:01:56

Local clock offset: 0.236 ms

Remote clock offset: -1.918 ms

# Below is generated by plot.py at 2018-04-10 17:49:10

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.52 Mbit/s

95th percentile per-packet one-way delay: 45.353 ms

Loss rate: 0.21%

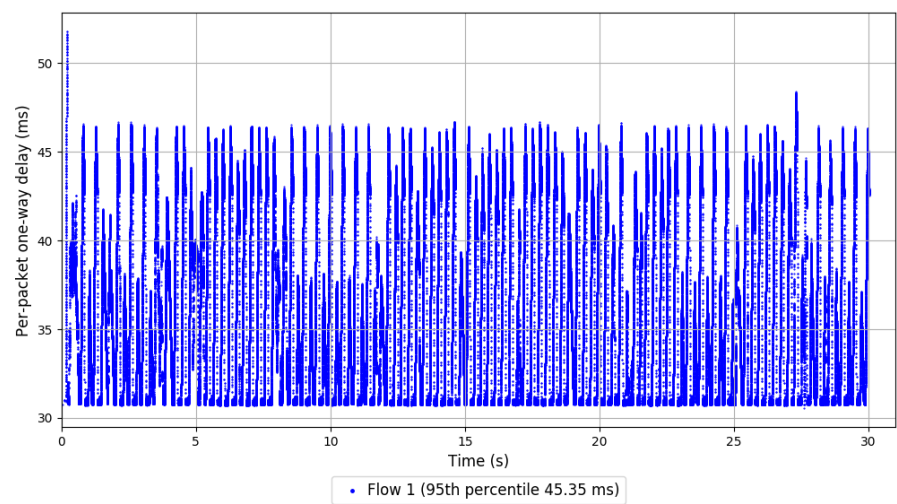
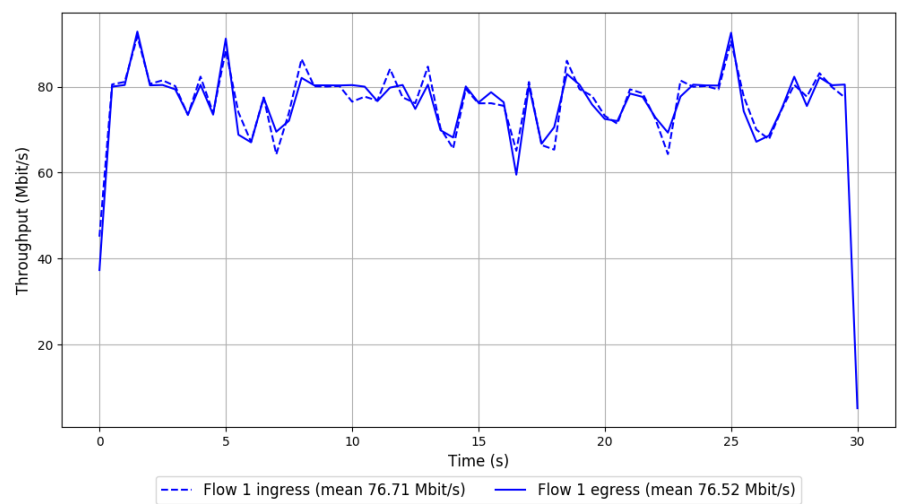
-- Flow 1:

Average throughput: 76.52 Mbit/s

95th percentile per-packet one-way delay: 45.353 ms

Loss rate: 0.21%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-04-10 16:27:44

End at: 2018-04-10 16:28:14

Local clock offset: -0.236 ms

Remote clock offset: -2.709 ms

# Below is generated by plot.py at 2018-04-10 17:51:04

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.49 Mbit/s

95th percentile per-packet one-way delay: 44.342 ms

Loss rate: 0.34%

-- Flow 1:

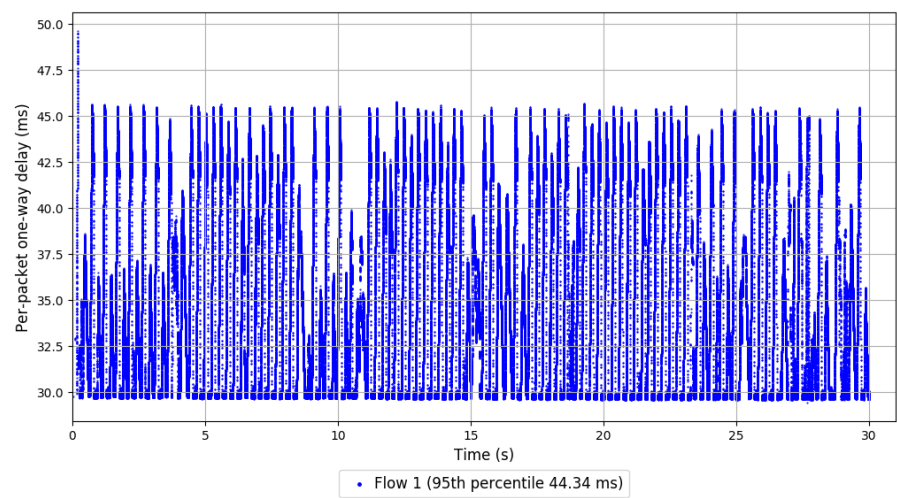
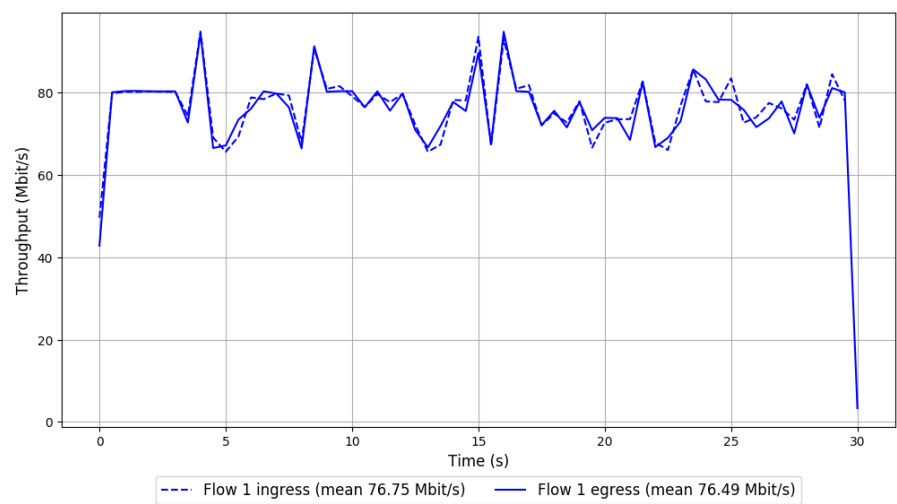
Average throughput: 76.49 Mbit/s

95th percentile per-packet one-way delay: 44.342 ms

Loss rate: 0.34%



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

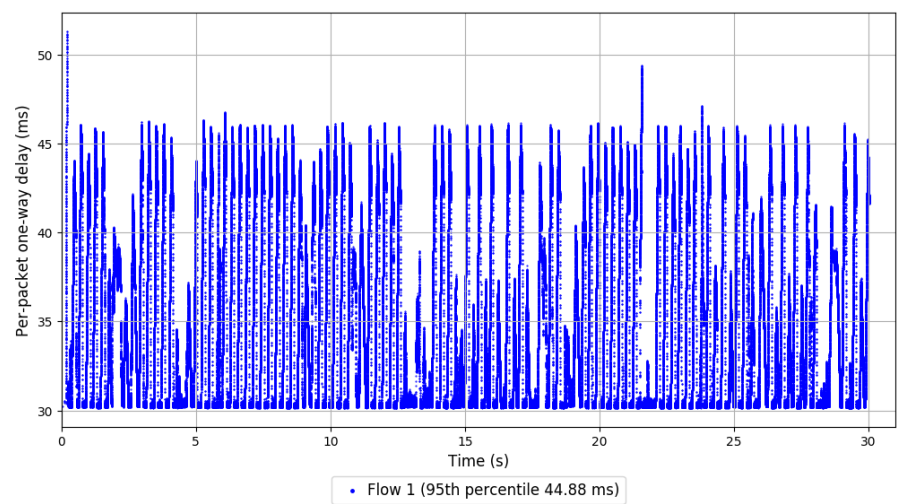
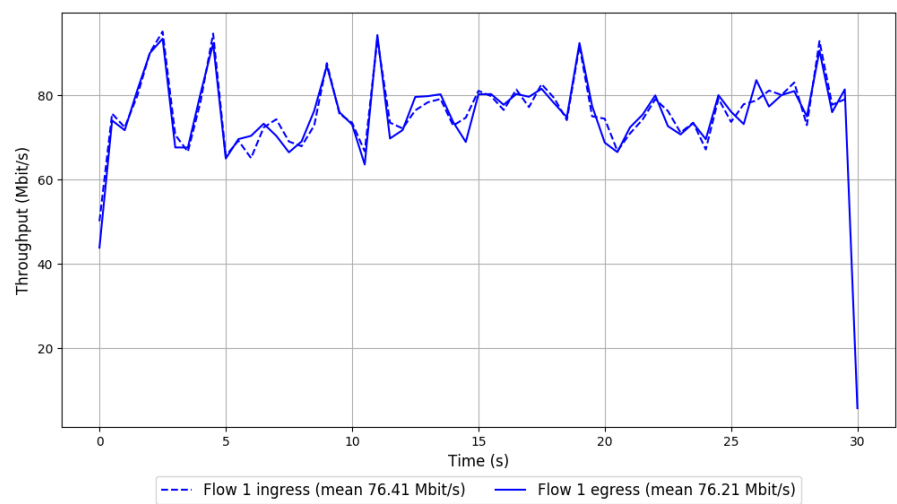


Run 10: Statistics of TaoVA-100x

Start at: 2018-04-10 16:53:01  
End at: 2018-04-10 16:53:31  
Local clock offset: -0.473 ms  
Remote clock offset: -0.163 ms

# Below is generated by plot.py at 2018-04-10 17:51:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 76.21 Mbit/s  
95th percentile per-packet one-way delay: 44.883 ms  
Loss rate: 0.23%  
-- Flow 1:  
Average throughput: 76.21 Mbit/s  
95th percentile per-packet one-way delay: 44.883 ms  
Loss rate: 0.23%

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

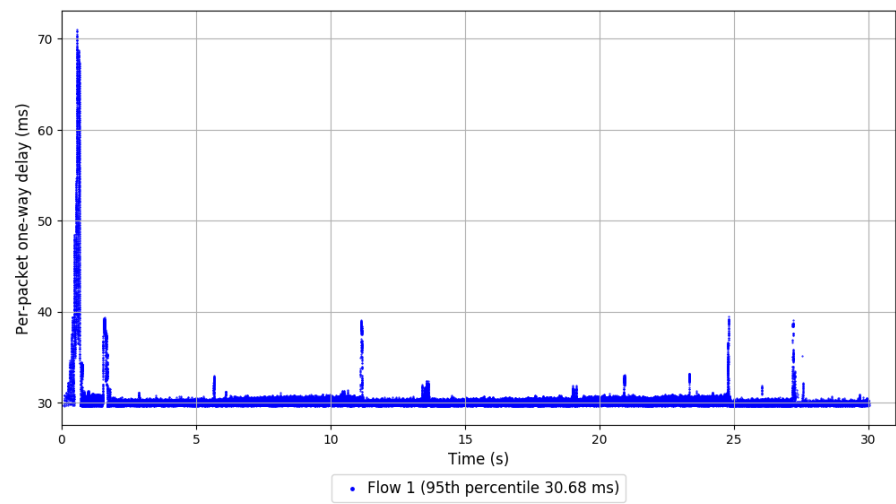
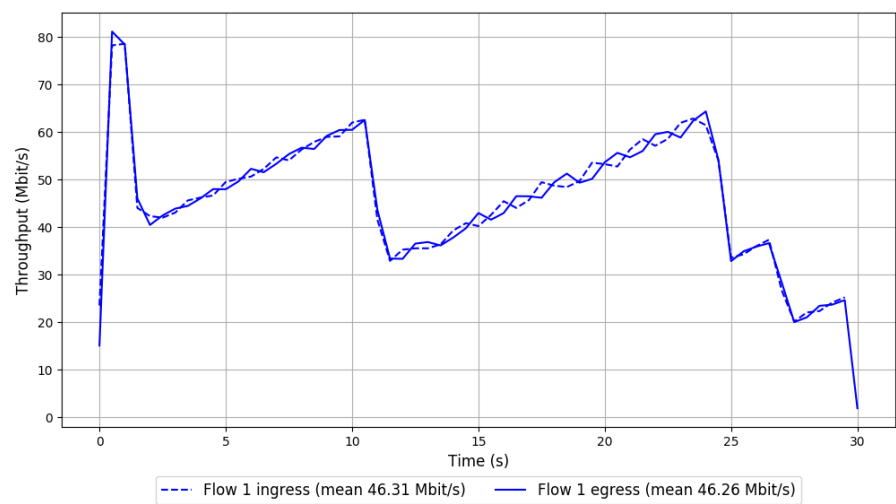


Run 1: Statistics of TCP Vegas

Start at: 2018-04-10 13:23:29  
End at: 2018-04-10 13:23:59  
Local clock offset: 0.186 ms  
Remote clock offset: -1.532 ms

# Below is generated by plot.py at 2018-04-10 17:51:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 46.26 Mbit/s  
95th percentile per-packet one-way delay: 30.679 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 46.26 Mbit/s  
95th percentile per-packet one-way delay: 30.679 ms  
Loss rate: 0.12%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-04-10 13:47:45

End at: 2018-04-10 13:48:15

Local clock offset: 0.216 ms

Remote clock offset: -2.22 ms

# Below is generated by plot.py at 2018-04-10 17:51:09

# Datalink statistics

-- Total of 1 flow:

Average throughput: 26.20 Mbit/s

95th percentile per-packet one-way delay: 37.759 ms

Loss rate: 2.28%

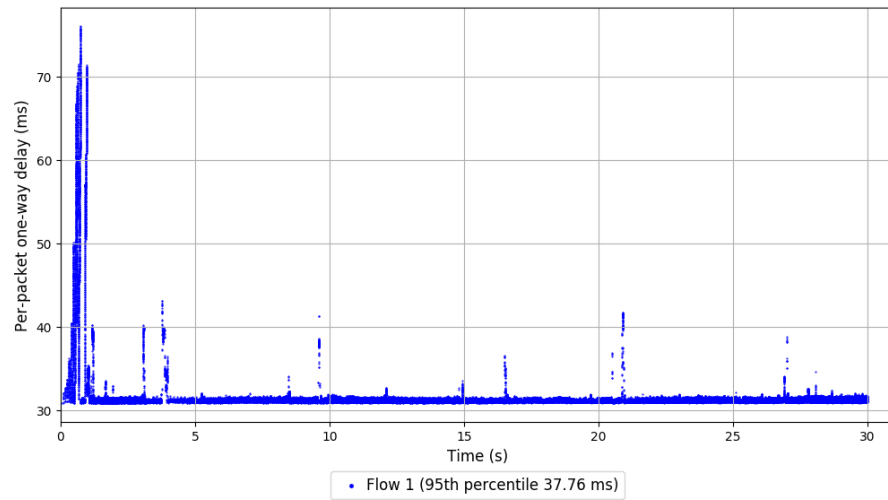
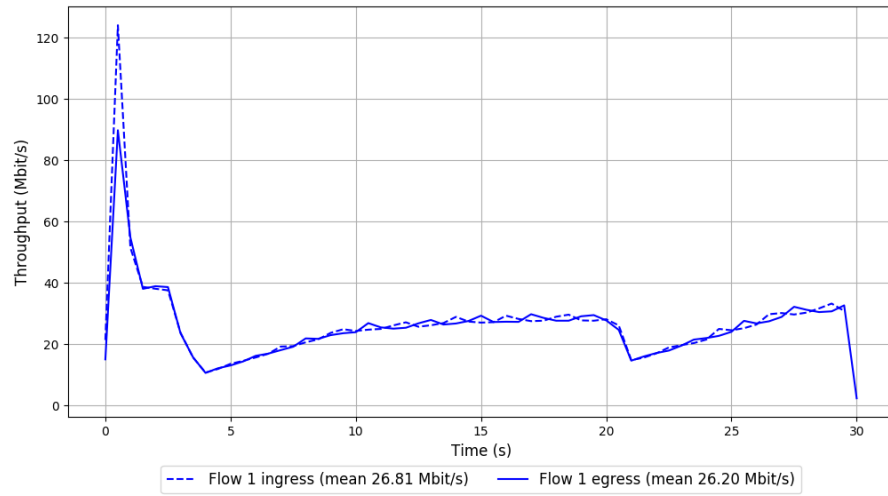
-- Flow 1:

Average throughput: 26.20 Mbit/s

95th percentile per-packet one-way delay: 37.759 ms

Loss rate: 2.28%

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



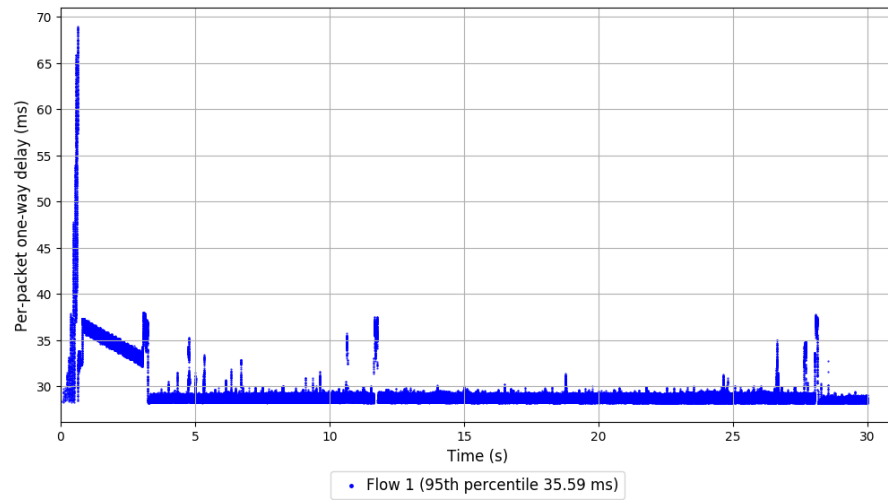
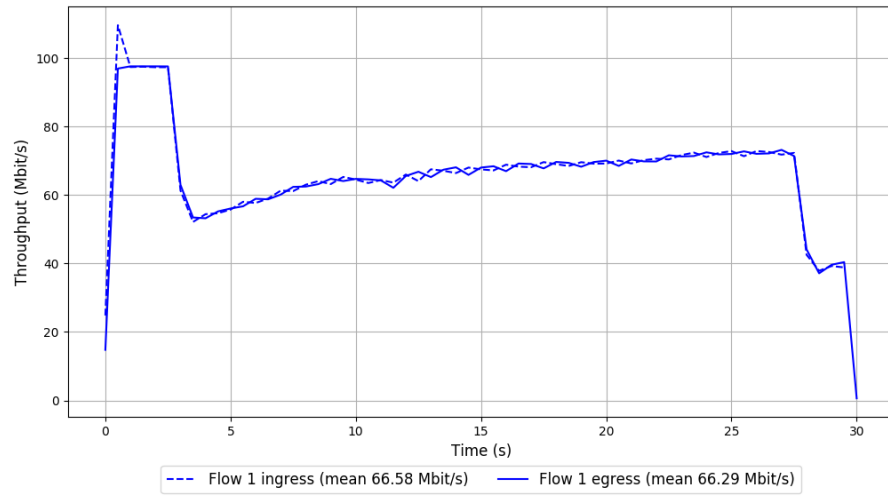
Run 3: Statistics of TCP Vegas

Start at: 2018-04-10 14:11:54  
End at: 2018-04-10 14:12:24  
Local clock offset: 0.084 ms  
Remote clock offset: -5.766 ms

# Below is generated by plot.py at 2018-04-10 17:51:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 66.29 Mbit/s  
95th percentile per-packet one-way delay: 35.592 ms  
Loss rate: 0.43%  
-- Flow 1:  
Average throughput: 66.29 Mbit/s  
95th percentile per-packet one-way delay: 35.592 ms  
Loss rate: 0.43%



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

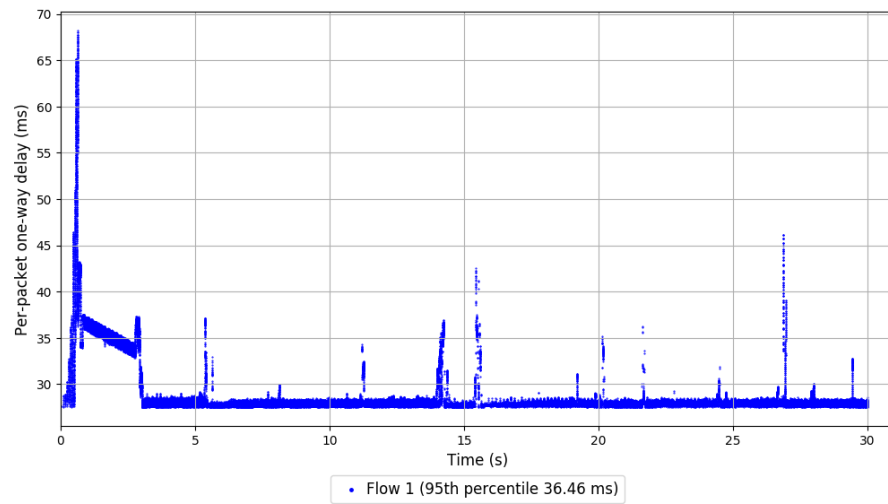
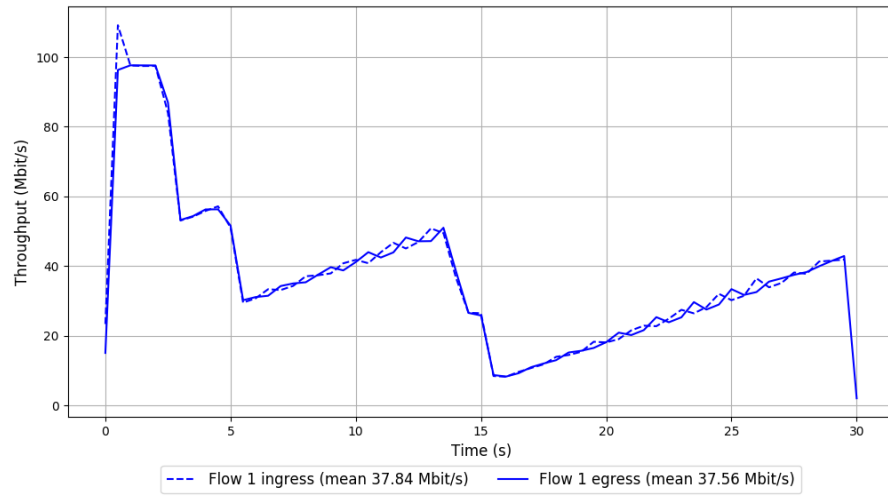


Run 4: Statistics of TCP Vegas

Start at: 2018-04-10 14:36:04  
End at: 2018-04-10 14:36:34  
Local clock offset: 0.233 ms  
Remote clock offset: -3.959 ms

# Below is generated by plot.py at 2018-04-10 17:51:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 37.56 Mbit/s  
95th percentile per-packet one-way delay: 36.458 ms  
Loss rate: 0.73%  
-- Flow 1:  
Average throughput: 37.56 Mbit/s  
95th percentile per-packet one-way delay: 36.458 ms  
Loss rate: 0.73%

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

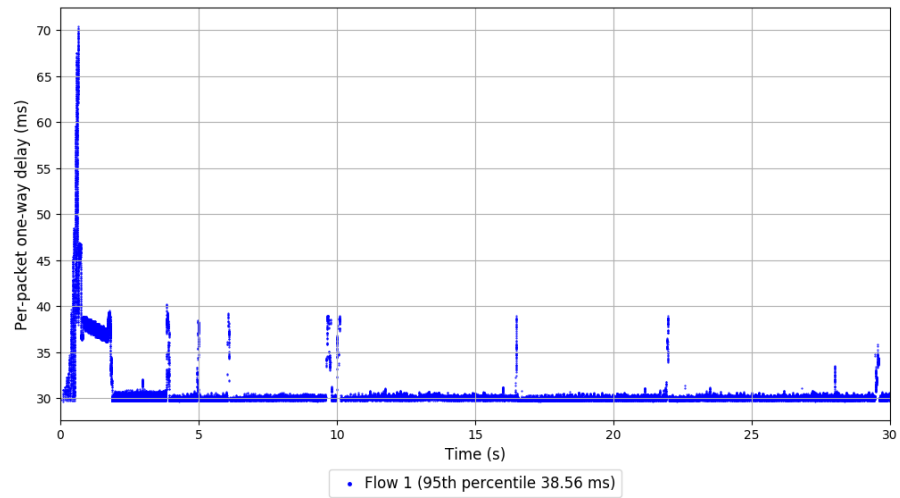
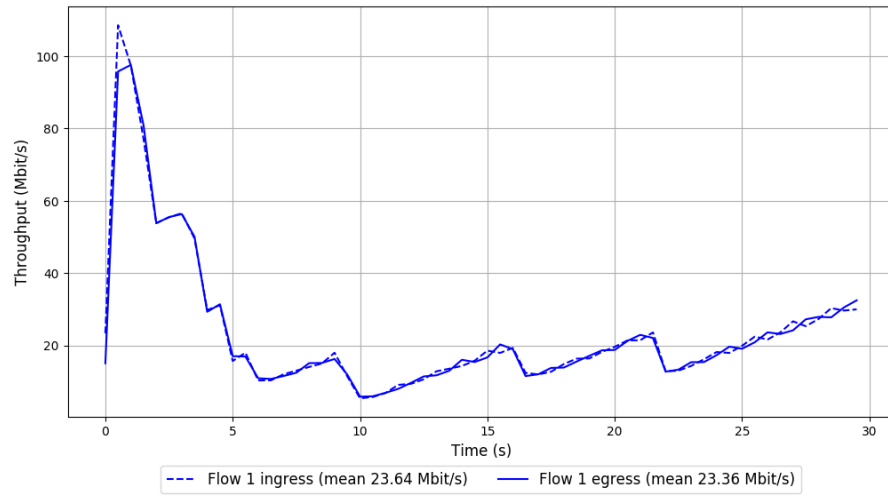


Run 5: Statistics of TCP Vegas

Start at: 2018-04-10 15:01:17  
End at: 2018-04-10 15:01:47  
Local clock offset: 0.025 ms  
Remote clock offset: -1.984 ms

# Below is generated by plot.py at 2018-04-10 17:51:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 23.36 Mbit/s  
95th percentile per-packet one-way delay: 38.564 ms  
Loss rate: 1.17%  
-- Flow 1:  
Average throughput: 23.36 Mbit/s  
95th percentile per-packet one-way delay: 38.564 ms  
Loss rate: 1.17%

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

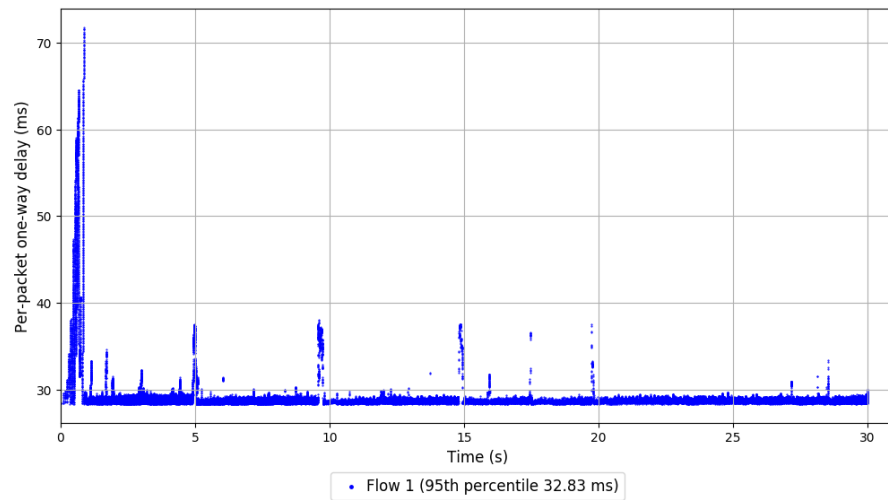
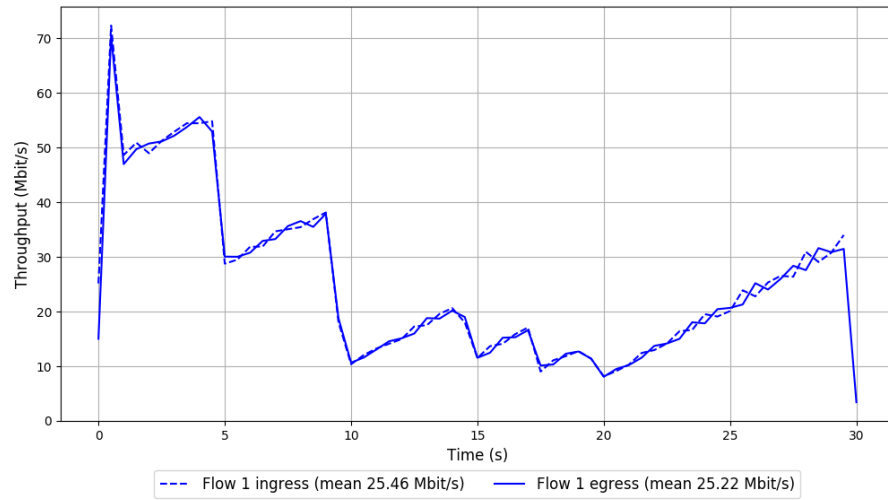


Run 6: Statistics of TCP Vegas

Start at: 2018-04-10 15:25:40  
End at: 2018-04-10 15:26:10  
Local clock offset: 0.093 ms  
Remote clock offset: -4.095 ms

# Below is generated by plot.py at 2018-04-10 17:51:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 25.22 Mbit/s  
95th percentile per-packet one-way delay: 32.832 ms  
Loss rate: 0.94%  
-- Flow 1:  
Average throughput: 25.22 Mbit/s  
95th percentile per-packet one-way delay: 32.832 ms  
Loss rate: 0.94%

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



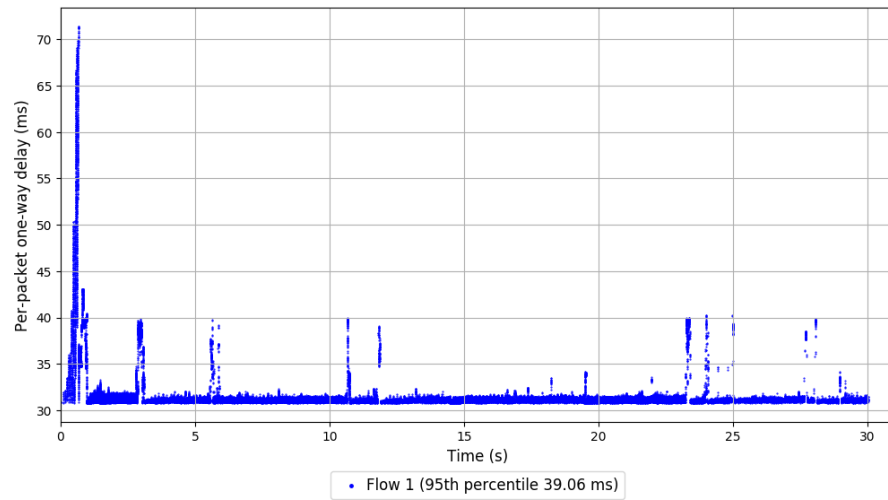
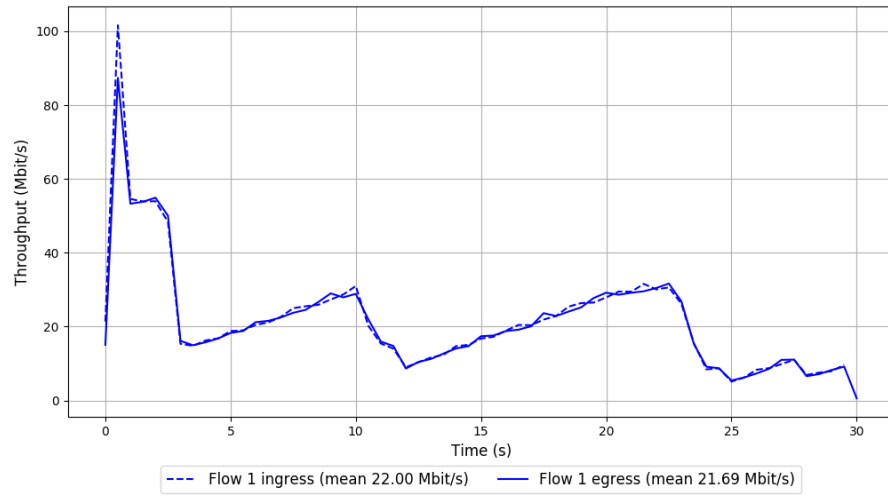
Run 7: Statistics of TCP Vegas

Start at: 2018-04-10 15:50:14  
End at: 2018-04-10 15:50:44  
Local clock offset: 0.468 ms  
Remote clock offset: -1.484 ms

# Below is generated by plot.py at 2018-04-10 17:51:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 21.69 Mbit/s  
95th percentile per-packet one-way delay: 39.060 ms  
Loss rate: 1.45%  
-- Flow 1:  
Average throughput: 21.69 Mbit/s  
95th percentile per-packet one-way delay: 39.060 ms  
Loss rate: 1.45%



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

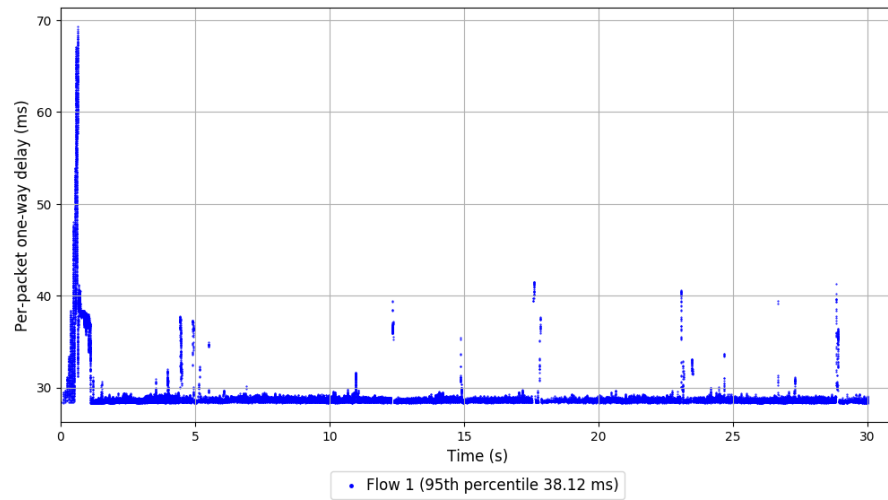
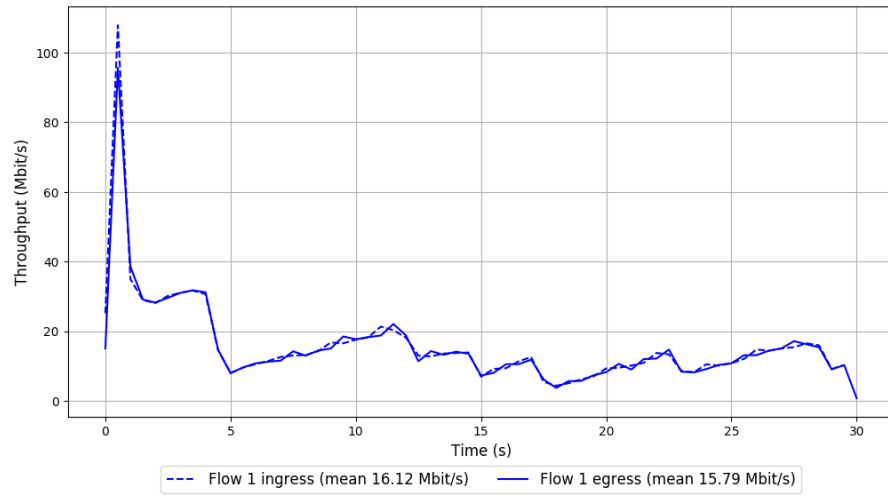


Run 8: Statistics of TCP Vegas

Start at: 2018-04-10 16:16:12  
End at: 2018-04-10 16:16:42  
Local clock offset: -0.099 ms  
Remote clock offset: -4.712 ms

# Below is generated by plot.py at 2018-04-10 17:51:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 15.79 Mbit/s  
95th percentile per-packet one-way delay: 38.122 ms  
Loss rate: 2.04%  
-- Flow 1:  
Average throughput: 15.79 Mbit/s  
95th percentile per-packet one-way delay: 38.122 ms  
Loss rate: 2.04%

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

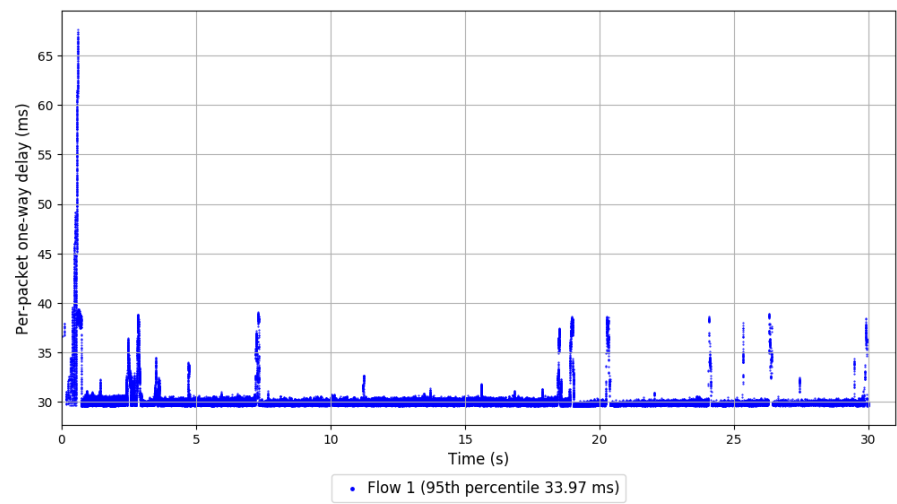
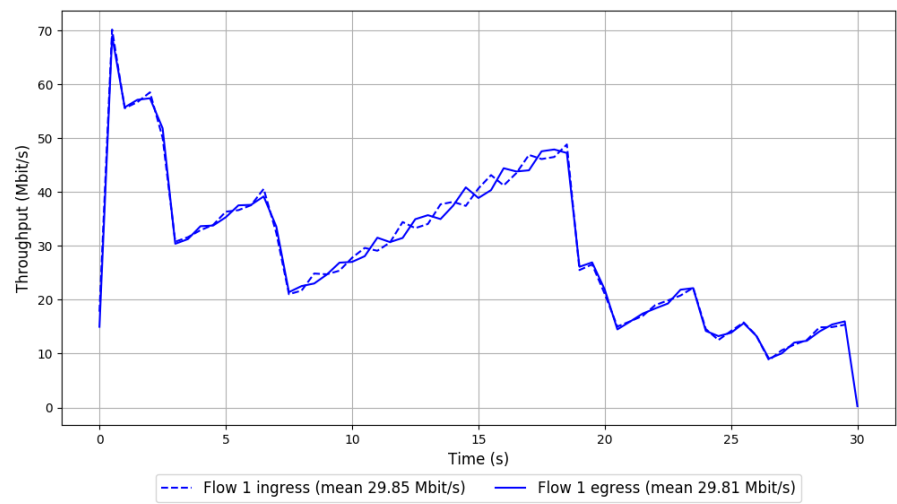


Run 9: Statistics of TCP Vegas

Start at: 2018-04-10 16:41:26  
End at: 2018-04-10 16:41:56  
Local clock offset: -0.262 ms  
Remote clock offset: -1.092 ms

# Below is generated by plot.py at 2018-04-10 17:51:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 29.81 Mbit/s  
95th percentile per-packet one-way delay: 33.967 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 29.81 Mbit/s  
95th percentile per-packet one-way delay: 33.967 ms  
Loss rate: 0.15%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-04-10 17:08:21

End at: 2018-04-10 17:08:51

Local clock offset: 0.135 ms

Remote clock offset: -1.03 ms

# Below is generated by plot.py at 2018-04-10 17:51:09

# Datalink statistics

-- Total of 1 flow:

Average throughput: 14.41 Mbit/s

95th percentile per-packet one-way delay: 35.313 ms

Loss rate: 0.32%

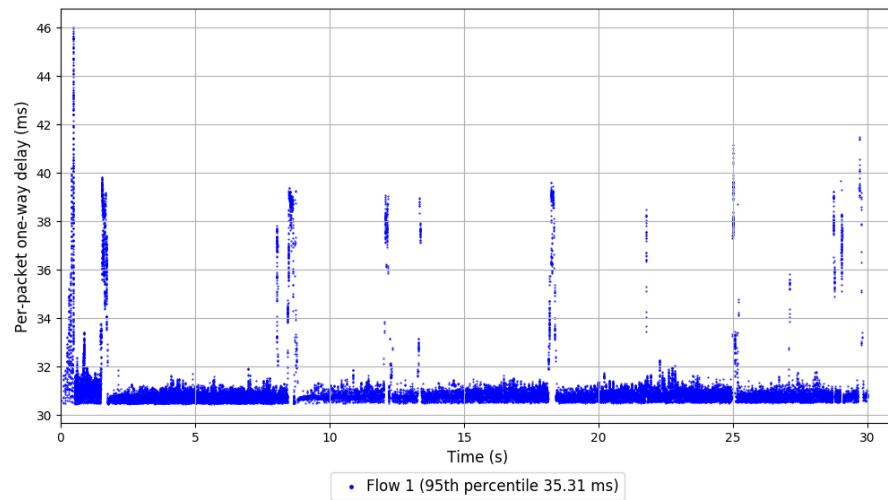
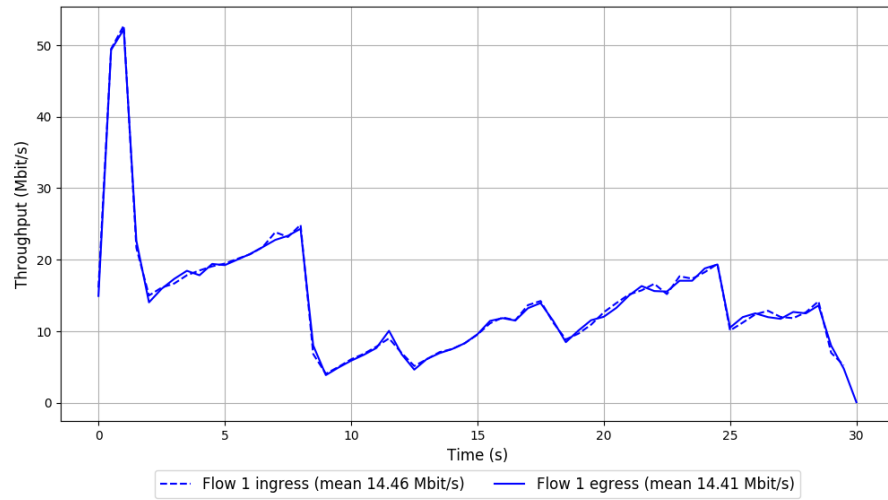
-- Flow 1:

Average throughput: 14.41 Mbit/s

95th percentile per-packet one-way delay: 35.313 ms

Loss rate: 0.32%

# Run 10: Report of TCP Vegas — Data Link



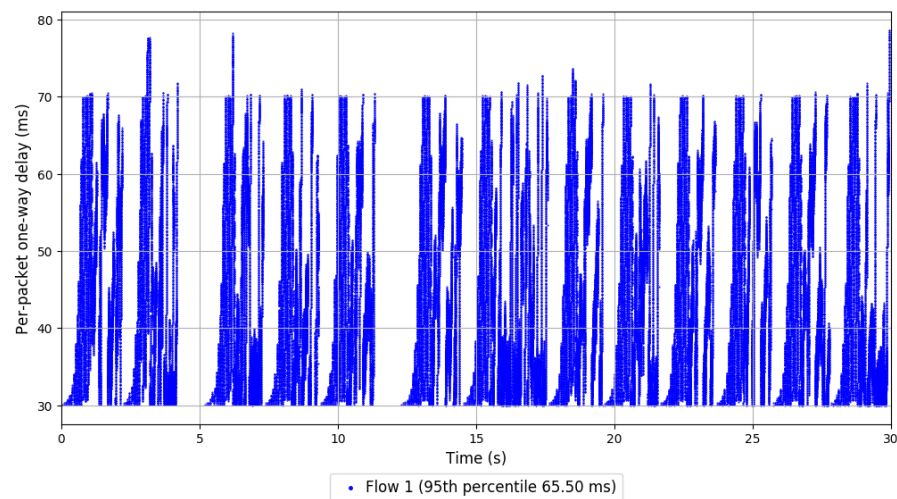
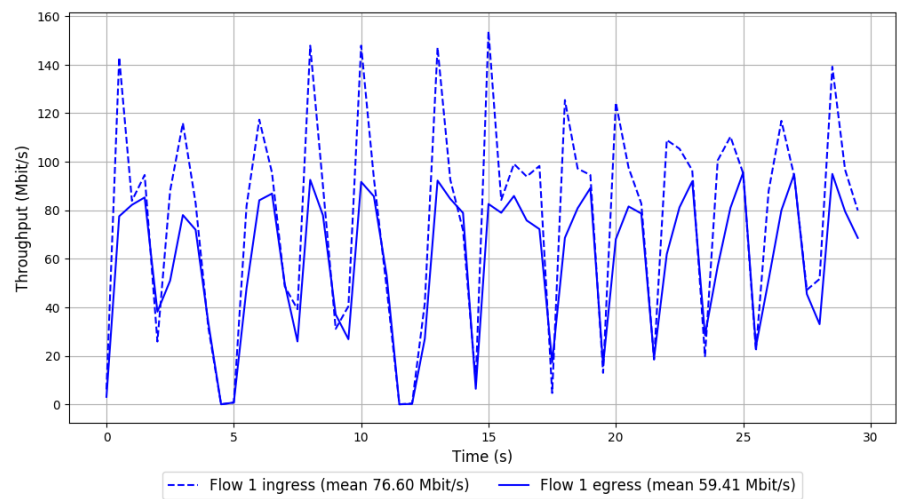
Run 1: Statistics of Verus

Start at: 2018-04-10 13:08:38  
End at: 2018-04-10 13:09:08  
Local clock offset: 0.1 ms  
Remote clock offset: -2.702 ms

# Below is generated by plot.py at 2018-04-10 17:51:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 59.41 Mbit/s  
95th percentile per-packet one-way delay: 65.495 ms  
Loss rate: 22.34%  
-- Flow 1:  
Average throughput: 59.41 Mbit/s  
95th percentile per-packet one-way delay: 65.495 ms  
Loss rate: 22.34%



Run 1: Report of Verus — Data Link

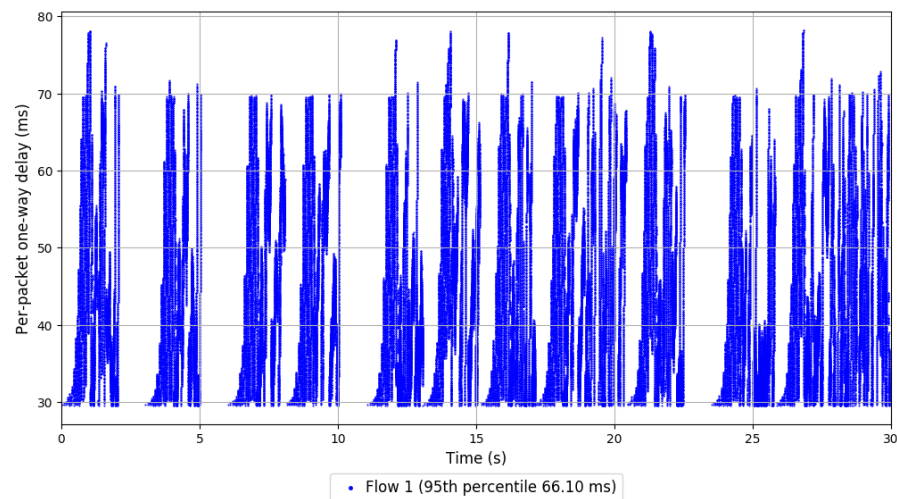
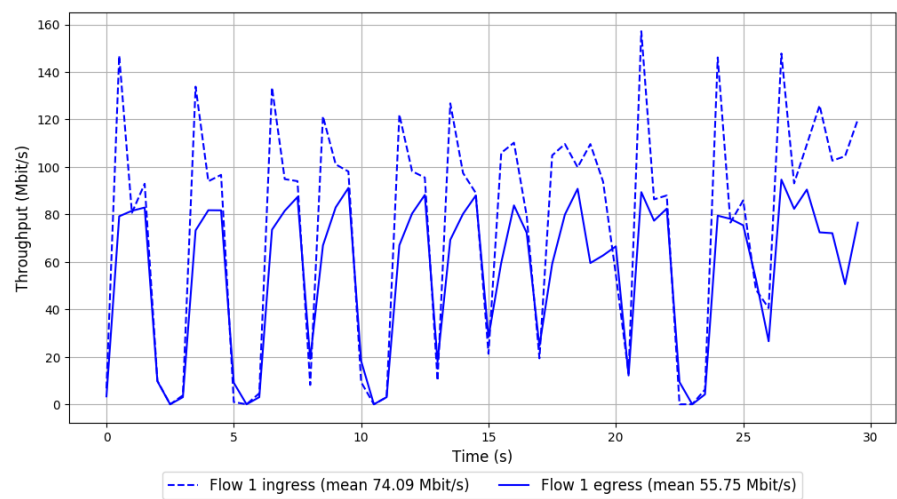


Run 2: Statistics of Verus

Start at: 2018-04-10 13:33:02  
End at: 2018-04-10 13:33:32  
Local clock offset: 0.228 ms  
Remote clock offset: -1.148 ms

# Below is generated by plot.py at 2018-04-10 17:51:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 55.75 Mbit/s  
95th percentile per-packet one-way delay: 66.099 ms  
Loss rate: 24.73%  
-- Flow 1:  
Average throughput: 55.75 Mbit/s  
95th percentile per-packet one-way delay: 66.099 ms  
Loss rate: 24.73%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-04-10 13:57:04

End at: 2018-04-10 13:57:34

Local clock offset: 0.186 ms

Remote clock offset: -3.33 ms

# Below is generated by plot.py at 2018-04-10 17:51:09

# Datalink statistics

-- Total of 1 flow:

Average throughput: 51.92 Mbit/s

95th percentile per-packet one-way delay: 68.105 ms

Loss rate: 50.09%

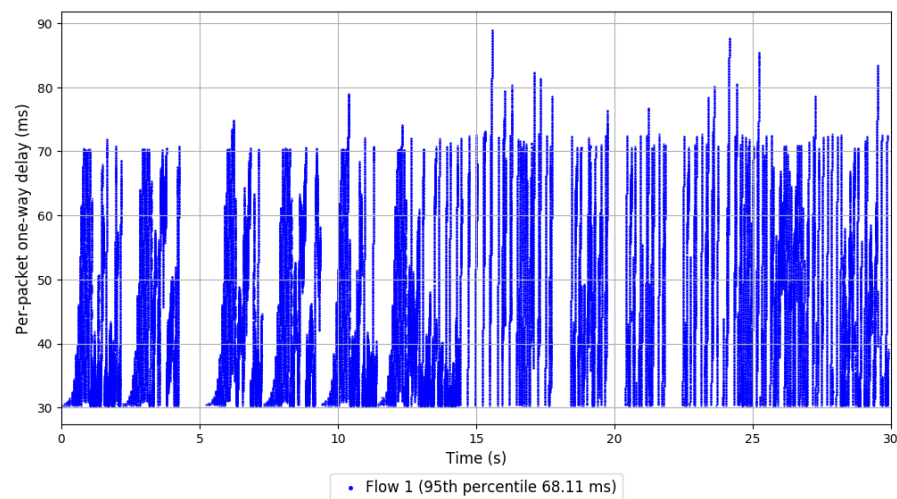
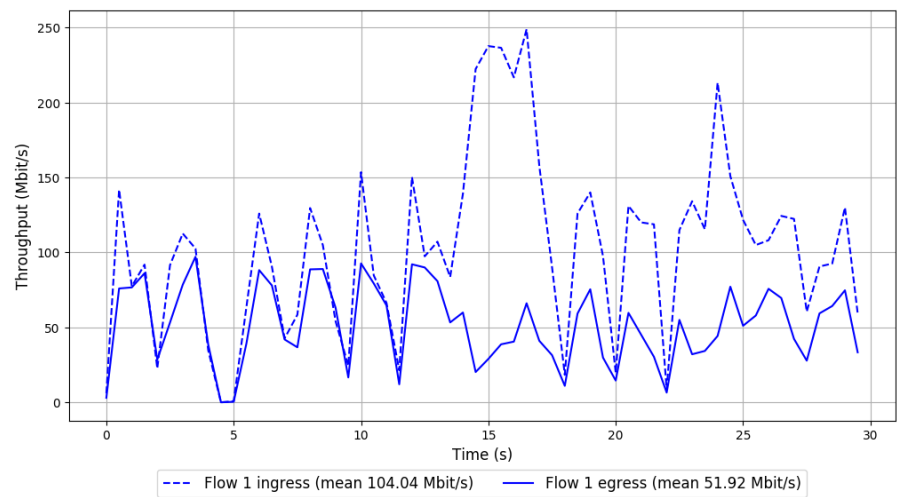
-- Flow 1:

Average throughput: 51.92 Mbit/s

95th percentile per-packet one-way delay: 68.105 ms

Loss rate: 50.09%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-04-10 14:21:19

End at: 2018-04-10 14:21:49

Local clock offset: 0.263 ms

Remote clock offset: -2.56 ms

# Below is generated by plot.py at 2018-04-10 17:51:09

# Datalink statistics

-- Total of 1 flow:

Average throughput: 51.58 Mbit/s

95th percentile per-packet one-way delay: 71.450 ms

Loss rate: 64.83%

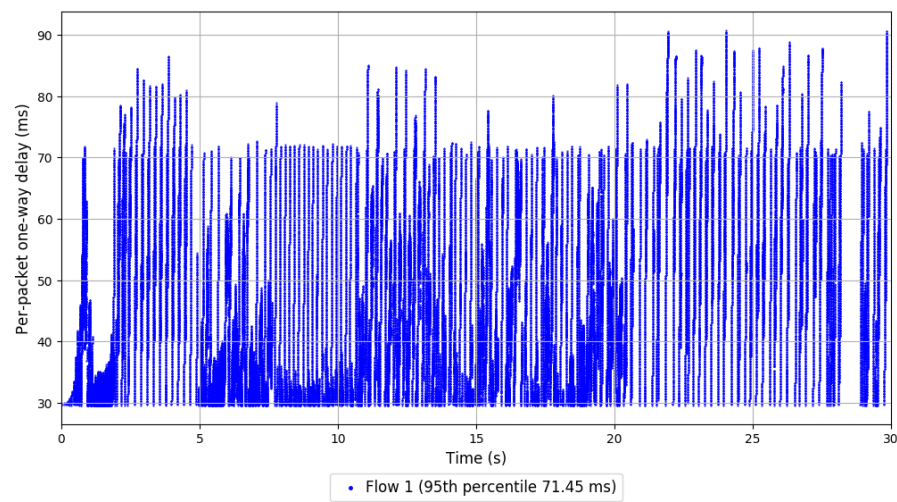
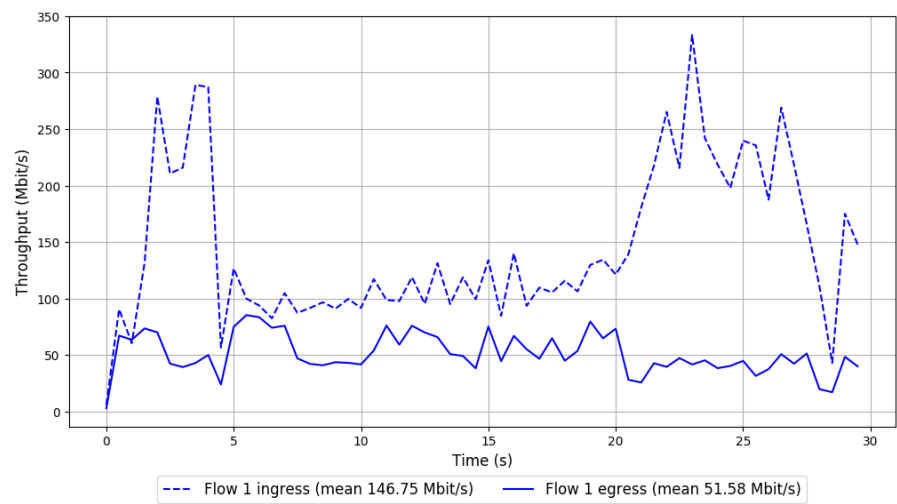
-- Flow 1:

Average throughput: 51.58 Mbit/s

95th percentile per-packet one-way delay: 71.450 ms

Loss rate: 64.83%

Run 4: Report of Verus — Data Link



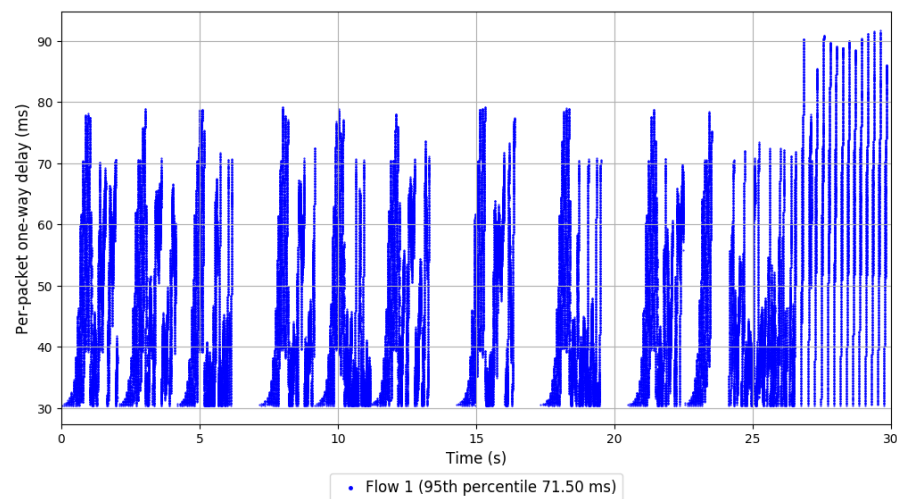
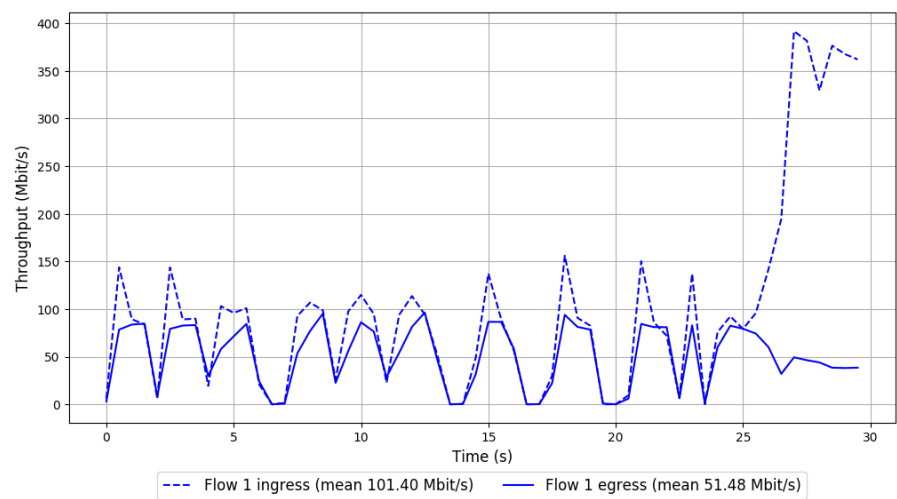
Run 5: Statistics of Verus

Start at: 2018-04-10 14:46:01  
End at: 2018-04-10 14:46:31  
Local clock offset: 0.168 ms  
Remote clock offset: -1.605 ms

# Below is generated by plot.py at 2018-04-10 17:51:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 51.48 Mbit/s  
95th percentile per-packet one-way delay: 71.503 ms  
Loss rate: 49.19%  
-- Flow 1:  
Average throughput: 51.48 Mbit/s  
95th percentile per-packet one-way delay: 71.503 ms  
Loss rate: 49.19%



Run 5: Report of Verus — Data Link

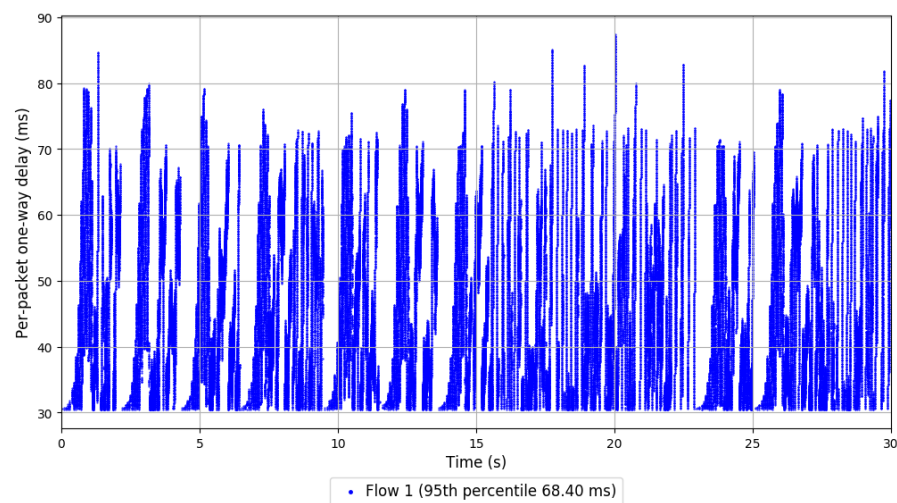
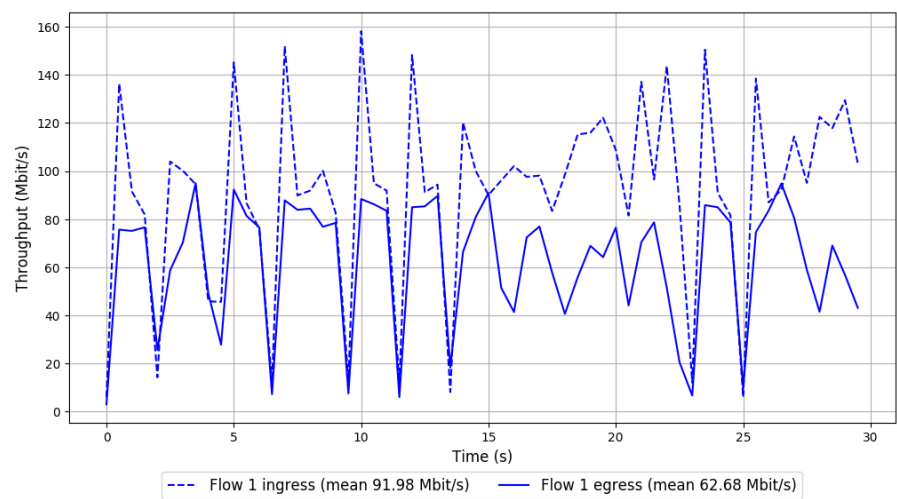


Run 6: Statistics of Verus

Start at: 2018-04-10 15:10:36  
End at: 2018-04-10 15:11:06  
Local clock offset: -0.061 ms  
Remote clock offset: -1.988 ms

# Below is generated by plot.py at 2018-04-10 17:51:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 62.68 Mbit/s  
95th percentile per-packet one-way delay: 68.401 ms  
Loss rate: 31.77%  
-- Flow 1:  
Average throughput: 62.68 Mbit/s  
95th percentile per-packet one-way delay: 68.401 ms  
Loss rate: 31.77%

Run 6: Report of Verus — Data Link

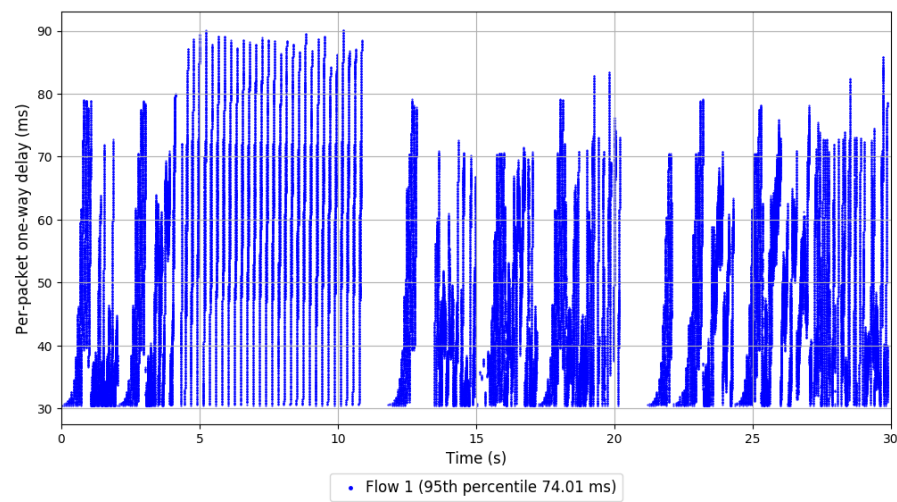
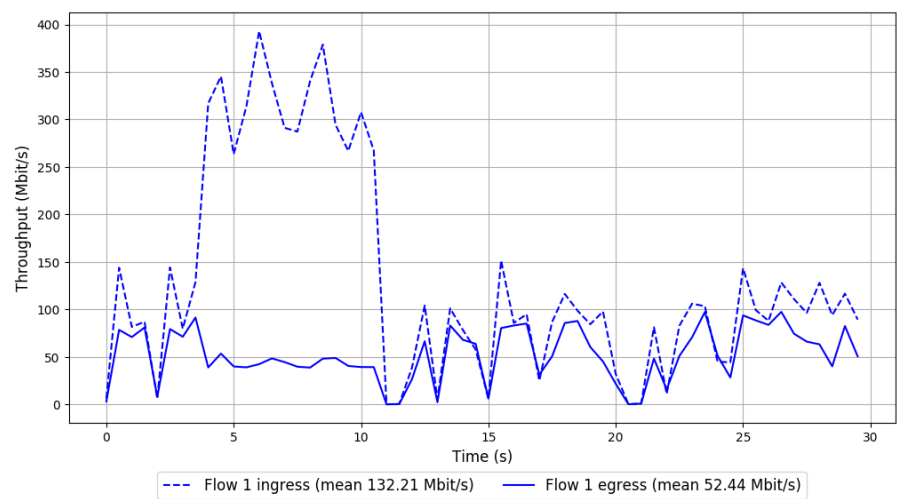


Run 7: Statistics of Verus

Start at: 2018-04-10 15:35:09  
End at: 2018-04-10 15:35:39  
Local clock offset: 0.211 ms  
Remote clock offset: -1.984 ms

# Below is generated by plot.py at 2018-04-10 17:51:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 52.44 Mbit/s  
95th percentile per-packet one-way delay: 74.007 ms  
Loss rate: 60.42%  
-- Flow 1:  
Average throughput: 52.44 Mbit/s  
95th percentile per-packet one-way delay: 74.007 ms  
Loss rate: 60.42%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-04-10 16:00:03

End at: 2018-04-10 16:00:33

Local clock offset: 0.153 ms

Remote clock offset: -4.39 ms

# Below is generated by plot.py at 2018-04-10 17:51:55

# Datalink statistics

-- Total of 1 flow:

Average throughput: 60.44 Mbit/s

95th percentile per-packet one-way delay: 67.159 ms

Loss rate: 50.22%

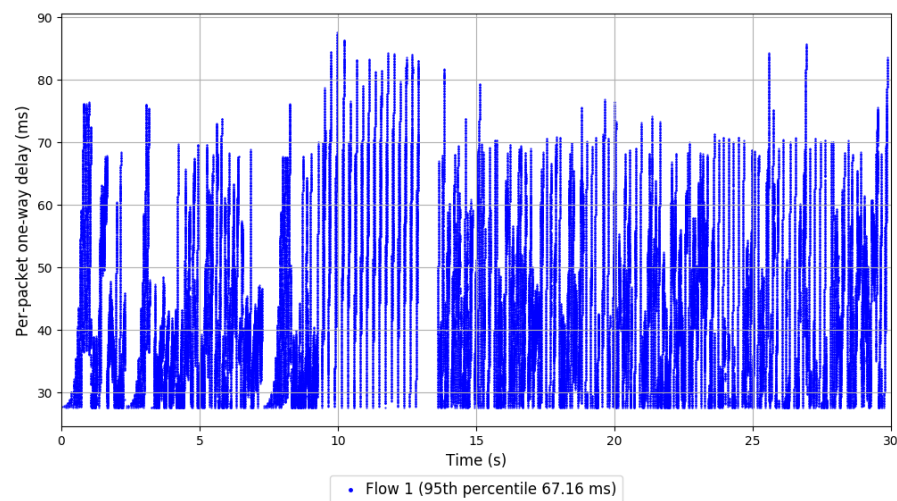
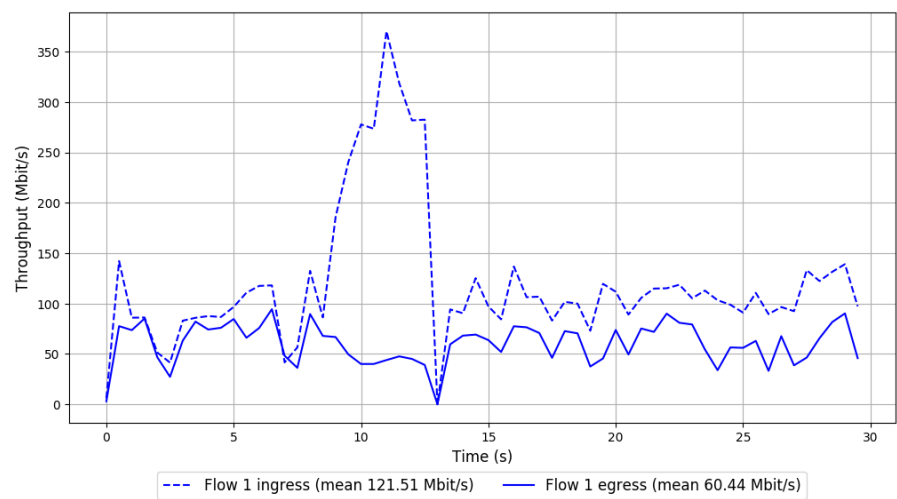
-- Flow 1:

Average throughput: 60.44 Mbit/s

95th percentile per-packet one-way delay: 67.159 ms

Loss rate: 50.22%

Run 8: Report of Verus — Data Link



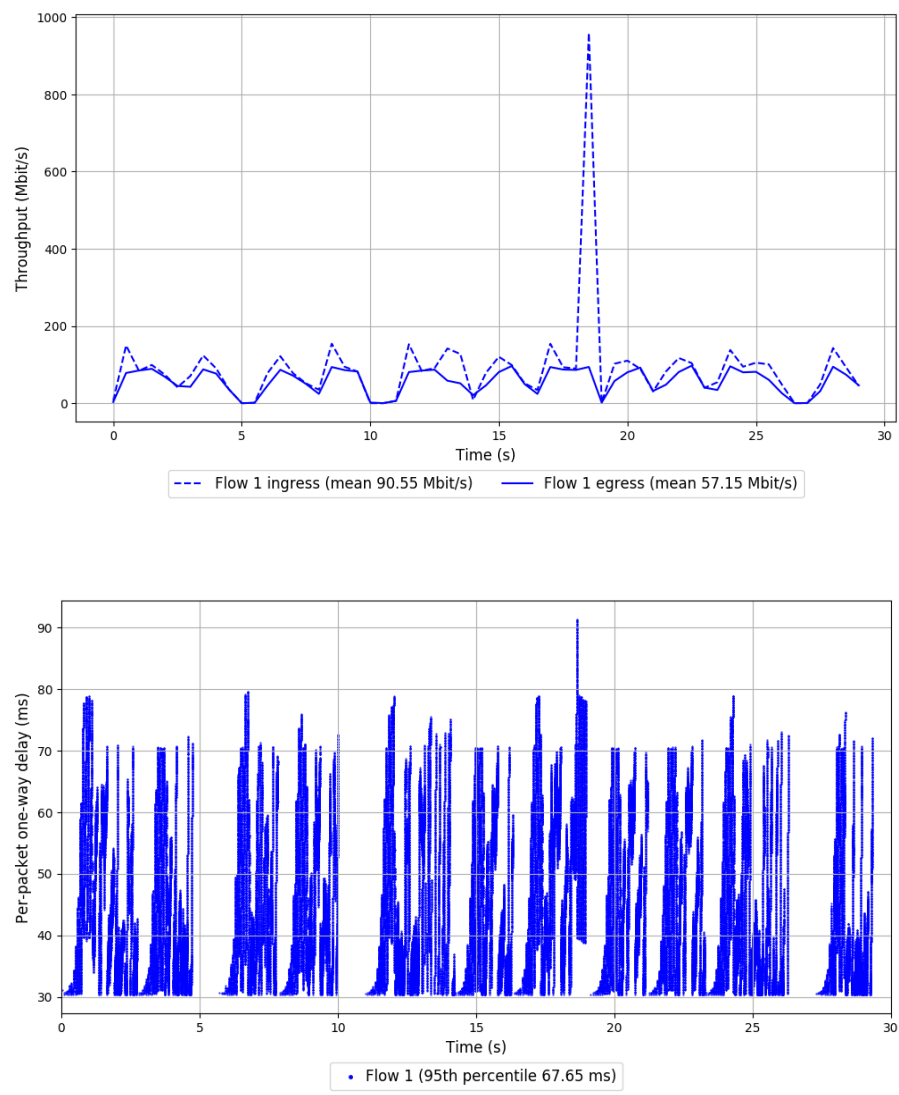
Run 9: Statistics of Verus

Start at: 2018-04-10 16:26:22  
End at: 2018-04-10 16:26:52  
Local clock offset: -0.233 ms  
Remote clock offset: -2.774 ms

# Below is generated by plot.py at 2018-04-10 17:51:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 57.15 Mbit/s  
95th percentile per-packet one-way delay: 67.649 ms  
Loss rate: 36.85%  
-- Flow 1:  
Average throughput: 57.15 Mbit/s  
95th percentile per-packet one-way delay: 67.649 ms  
Loss rate: 36.85%



Run 9: Report of Verus — Data Link

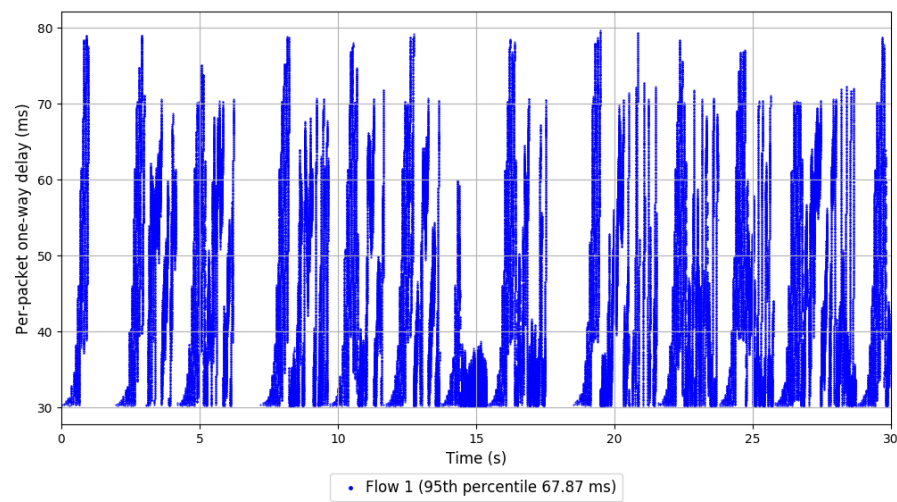
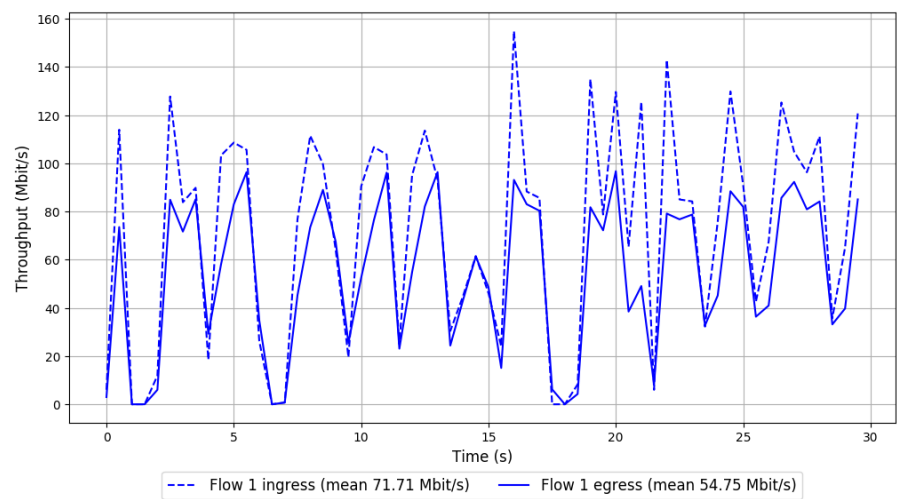


Run 10: Statistics of Verus

Start at: 2018-04-10 16:51:37  
End at: 2018-04-10 16:52:07  
Local clock offset: -0.38 ms  
Remote clock offset: -0.755 ms

# Below is generated by plot.py at 2018-04-10 17:51:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 54.75 Mbit/s  
95th percentile per-packet one-way delay: 67.872 ms  
Loss rate: 23.64%  
-- Flow 1:  
Average throughput: 54.75 Mbit/s  
95th percentile per-packet one-way delay: 67.872 ms  
Loss rate: 23.64%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-04-10 13:04:17

End at: 2018-04-10 13:04:47

Local clock offset: -0.022 ms

Remote clock offset: -6.33 ms

# Below is generated by plot.py at 2018-04-10 17:59:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.37 Mbit/s

95th percentile per-packet one-way delay: 56.996 ms

Loss rate: 88.90%

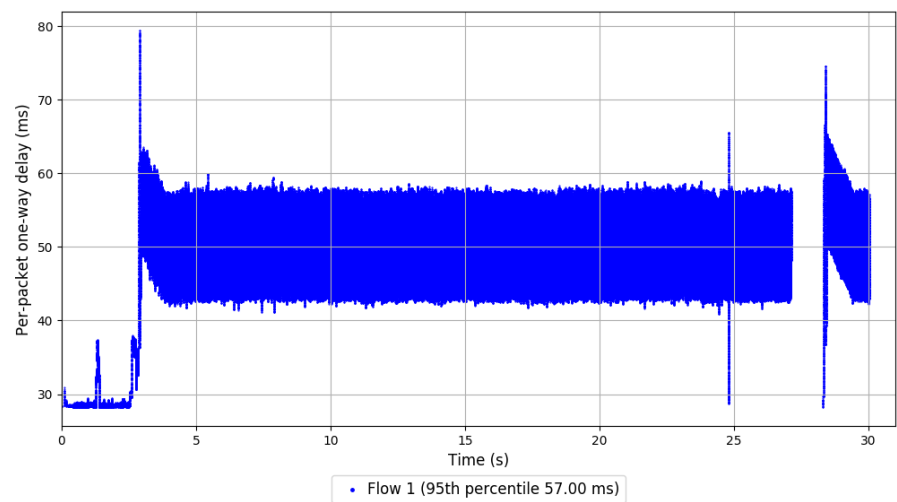
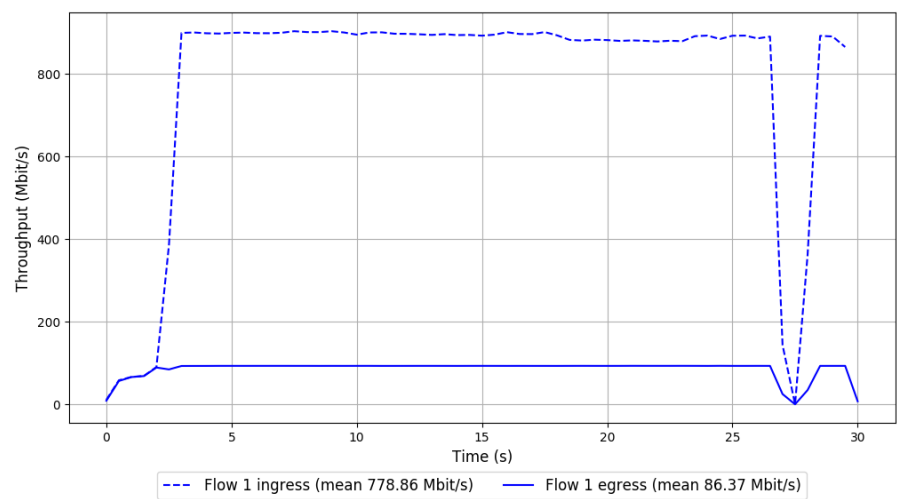
-- Flow 1:

Average throughput: 86.37 Mbit/s

95th percentile per-packet one-way delay: 56.996 ms

Loss rate: 88.90%

Run 1: Report of Copa — Data Link

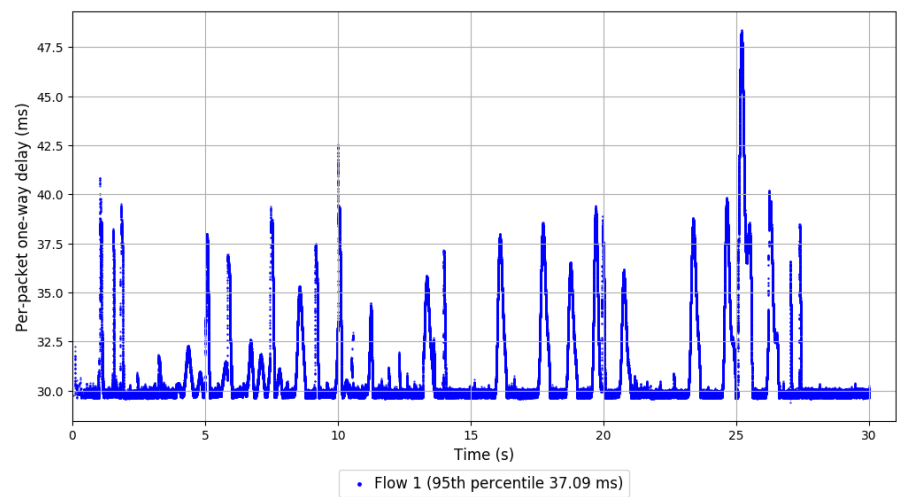
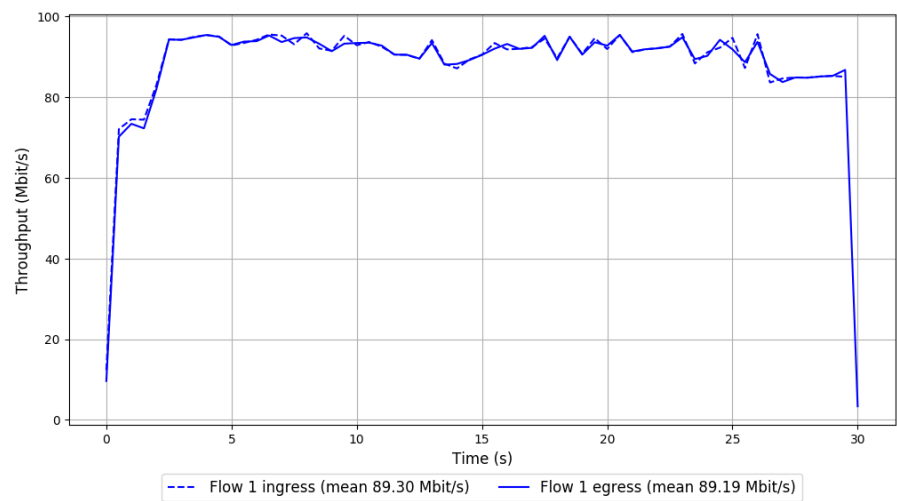


Run 2: Statistics of Copa

Start at: 2018-04-10 13:28:47  
End at: 2018-04-10 13:29:17  
Local clock offset: 0.234 ms  
Remote clock offset: -1.252 ms

# Below is generated by plot.py at 2018-04-10 17:59:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.19 Mbit/s  
95th percentile per-packet one-way delay: 37.093 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 89.19 Mbit/s  
95th percentile per-packet one-way delay: 37.093 ms  
Loss rate: 0.13%

Run 2: Report of Copa — Data Link



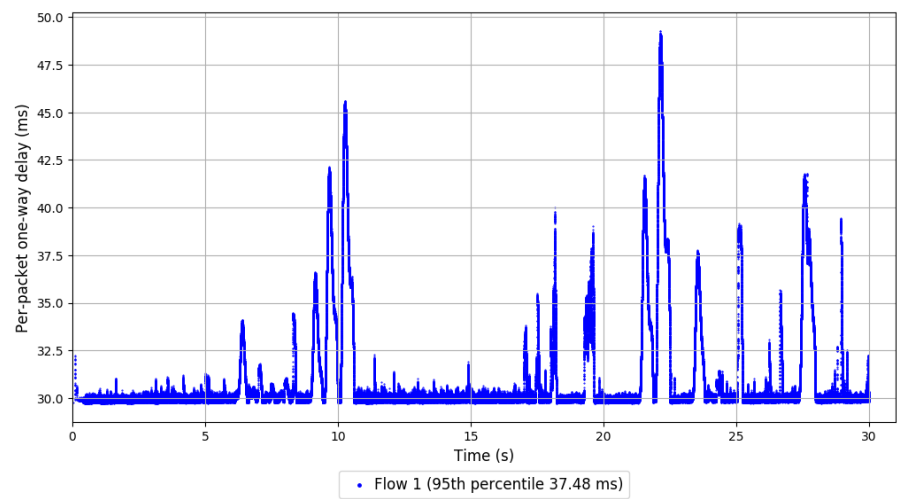
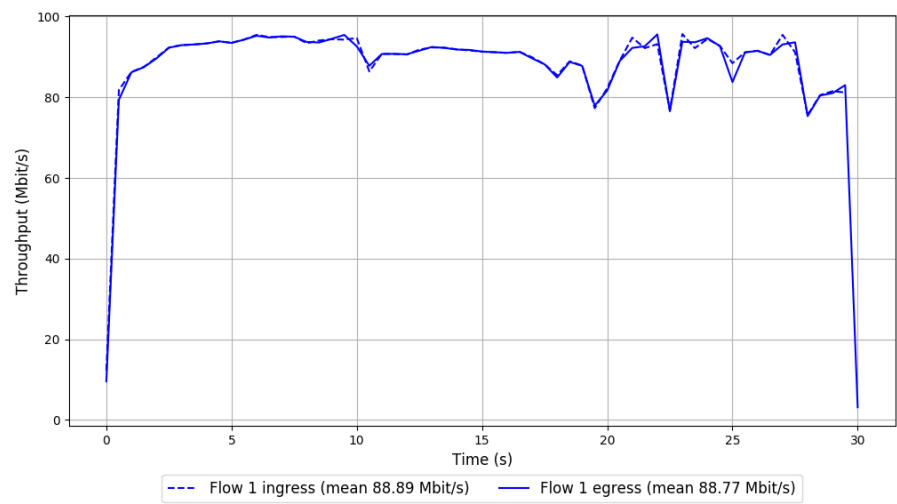
Run 3: Statistics of Copa

Start at: 2018-04-10 13:52:59  
End at: 2018-04-10 13:53:29  
Local clock offset: 0.117 ms  
Remote clock offset: -3.123 ms

# Below is generated by plot.py at 2018-04-10 17:59:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.77 Mbit/s  
95th percentile per-packet one-way delay: 37.482 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 88.77 Mbit/s  
95th percentile per-packet one-way delay: 37.482 ms  
Loss rate: 0.14%



Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-04-10 14:17:13

End at: 2018-04-10 14:17:43

Local clock offset: 0.225 ms

Remote clock offset: -2.93 ms

# Below is generated by plot.py at 2018-04-10 17:59:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.59 Mbit/s

95th percentile per-packet one-way delay: 43.366 ms

Loss rate: 0.08%

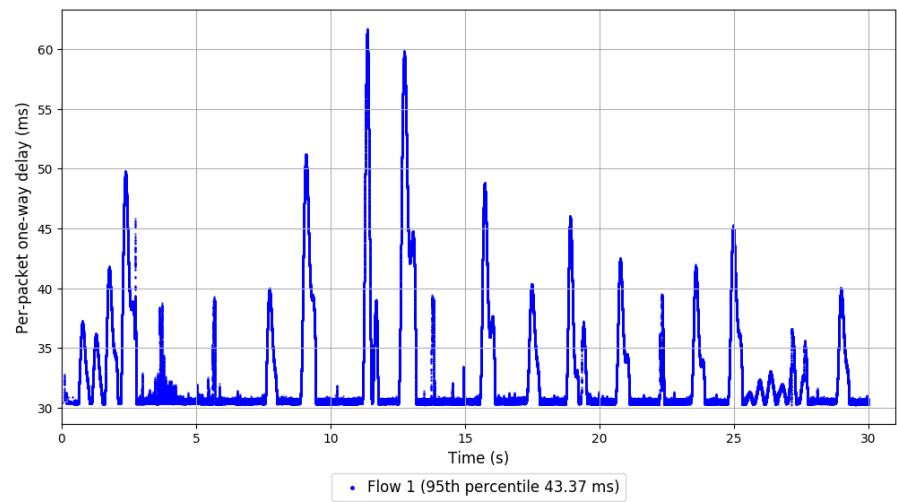
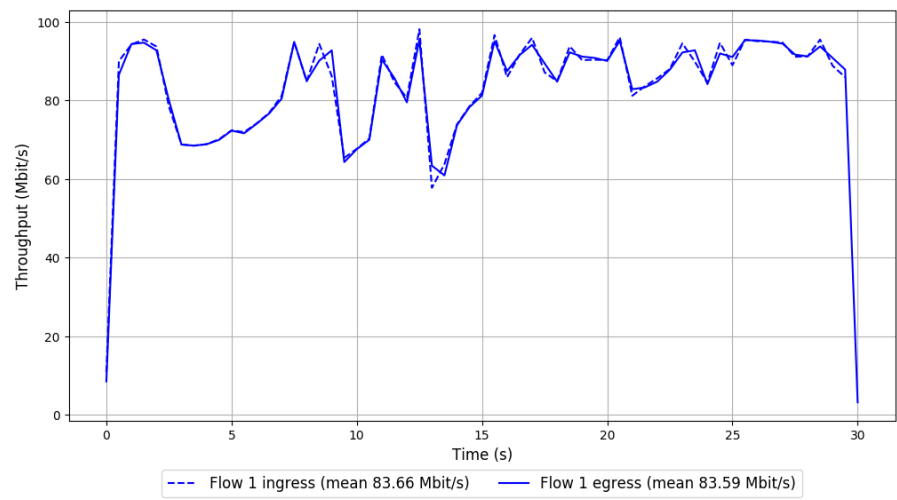
-- Flow 1:

Average throughput: 83.59 Mbit/s

95th percentile per-packet one-way delay: 43.366 ms

Loss rate: 0.08%

Run 4: Report of Copa — Data Link

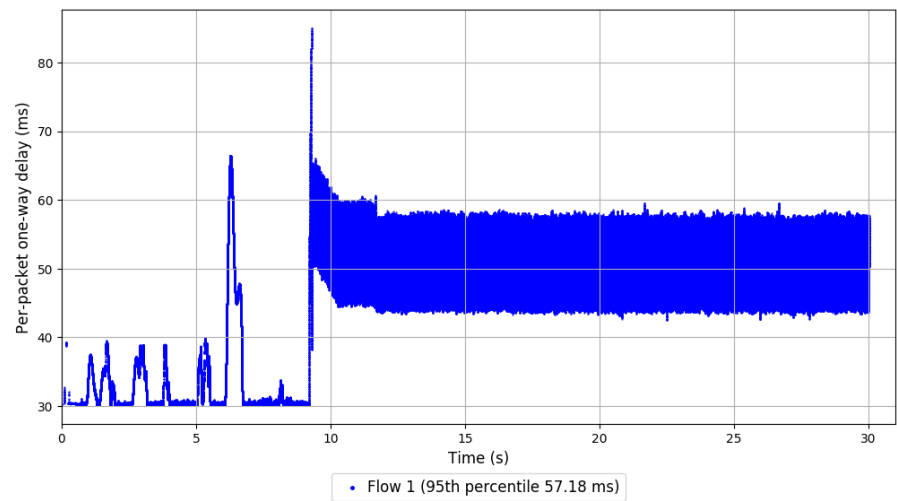
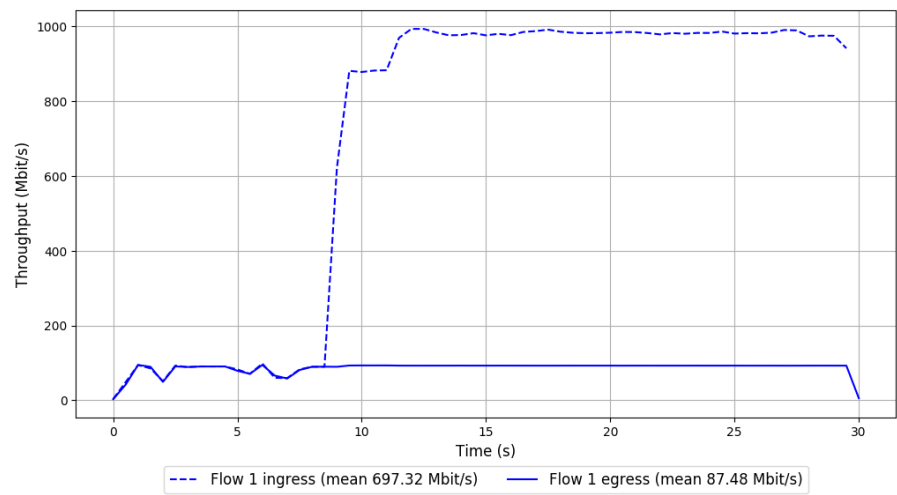


Run 5: Statistics of Copa

Start at: 2018-04-10 14:41:30  
End at: 2018-04-10 14:42:01  
Local clock offset: 0.174 ms  
Remote clock offset: -1.278 ms

# Below is generated by plot.py at 2018-04-10 17:59:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.48 Mbit/s  
95th percentile per-packet one-way delay: 57.181 ms  
Loss rate: 87.45%  
-- Flow 1:  
Average throughput: 87.48 Mbit/s  
95th percentile per-packet one-way delay: 57.181 ms  
Loss rate: 87.45%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-04-10 15:06:29

End at: 2018-04-10 15:06:59

Local clock offset: -0.042 ms

Remote clock offset: -1.48 ms

# Below is generated by plot.py at 2018-04-10 17:59:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 85.17 Mbit/s

95th percentile per-packet one-way delay: 58.472 ms

Loss rate: 65.74%

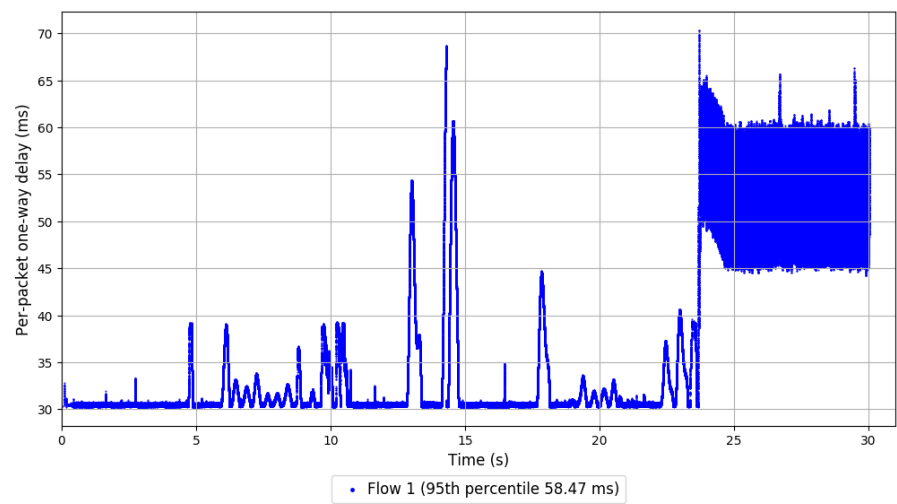
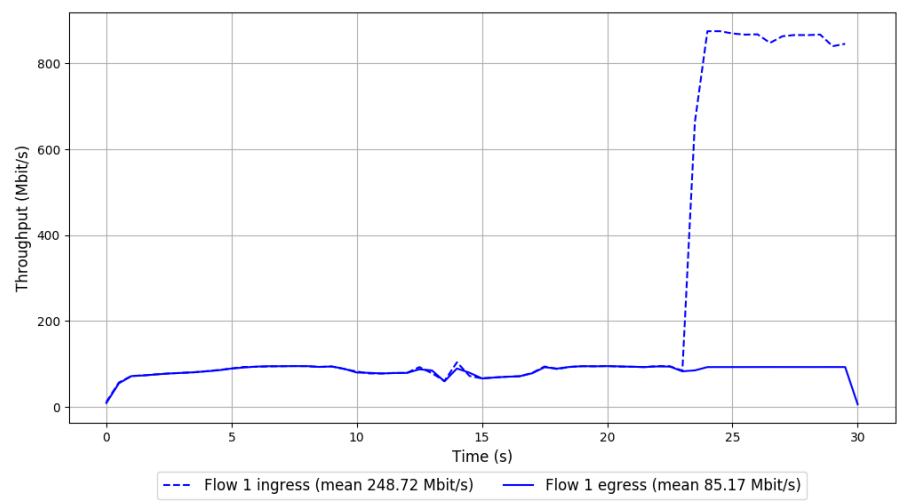
-- Flow 1:

Average throughput: 85.17 Mbit/s

95th percentile per-packet one-way delay: 58.472 ms

Loss rate: 65.74%

Run 6: Report of Copa — Data Link



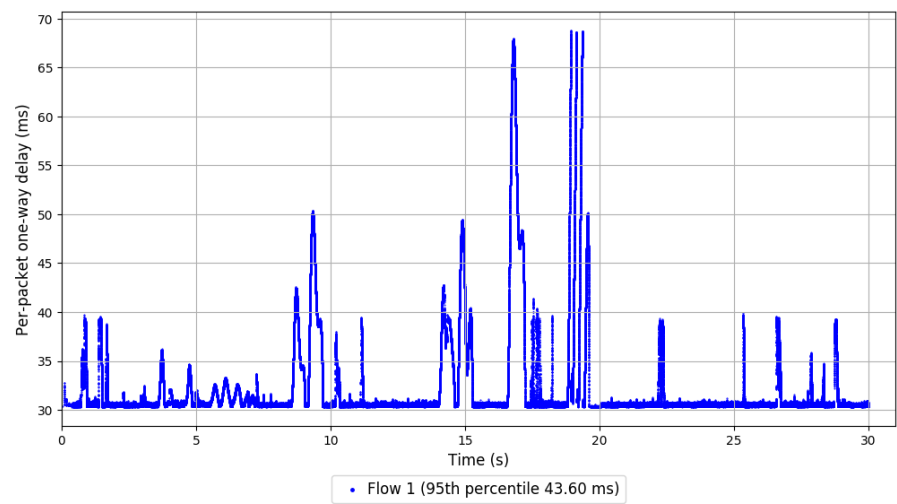
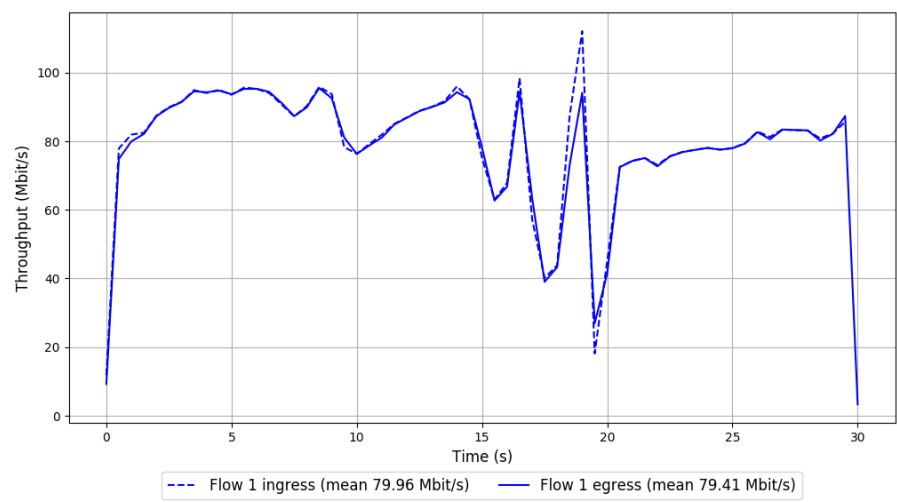
Run 7: Statistics of Copa

Start at: 2018-04-10 15:31:01  
End at: 2018-04-10 15:31:31  
Local clock offset: 0.238 ms  
Remote clock offset: -2.051 ms

# Below is generated by plot.py at 2018-04-10 17:59:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 79.41 Mbit/s  
95th percentile per-packet one-way delay: 43.596 ms  
Loss rate: 0.70%  
-- Flow 1:  
Average throughput: 79.41 Mbit/s  
95th percentile per-packet one-way delay: 43.596 ms  
Loss rate: 0.70%



Run 7: Report of Copa — Data Link

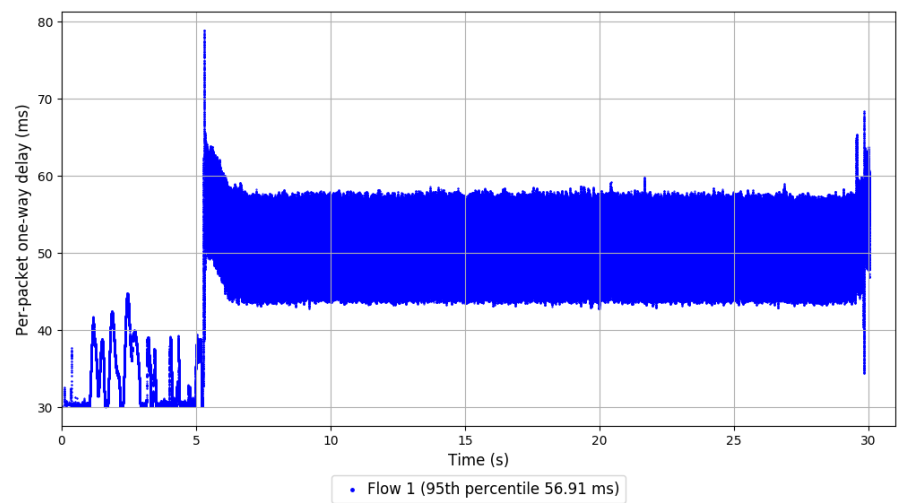
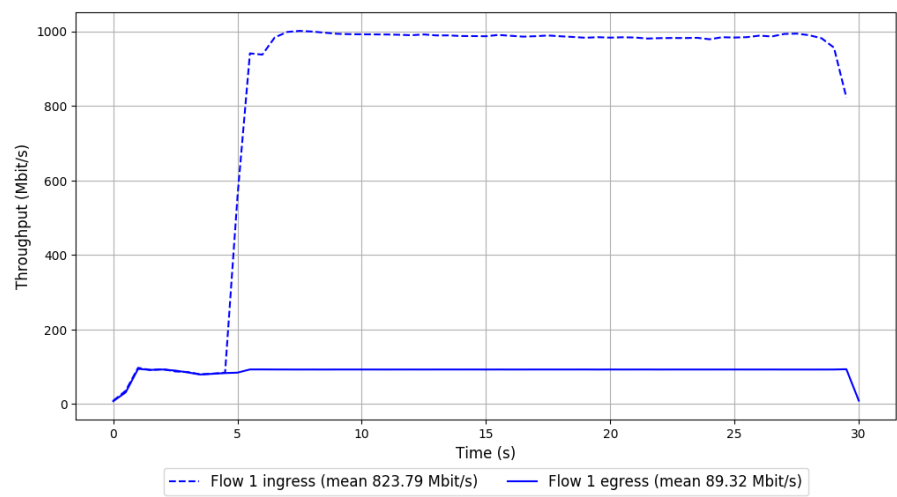


Run 8: Statistics of Copa

Start at: 2018-04-10 15:55:30  
End at: 2018-04-10 15:56:00  
Local clock offset: 0.305 ms  
Remote clock offset: -1.611 ms

# Below is generated by plot.py at 2018-04-10 18:01:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.32 Mbit/s  
95th percentile per-packet one-way delay: 56.907 ms  
Loss rate: 89.15%  
-- Flow 1:  
Average throughput: 89.32 Mbit/s  
95th percentile per-packet one-way delay: 56.907 ms  
Loss rate: 89.15%

Run 8: Report of Copa — Data Link

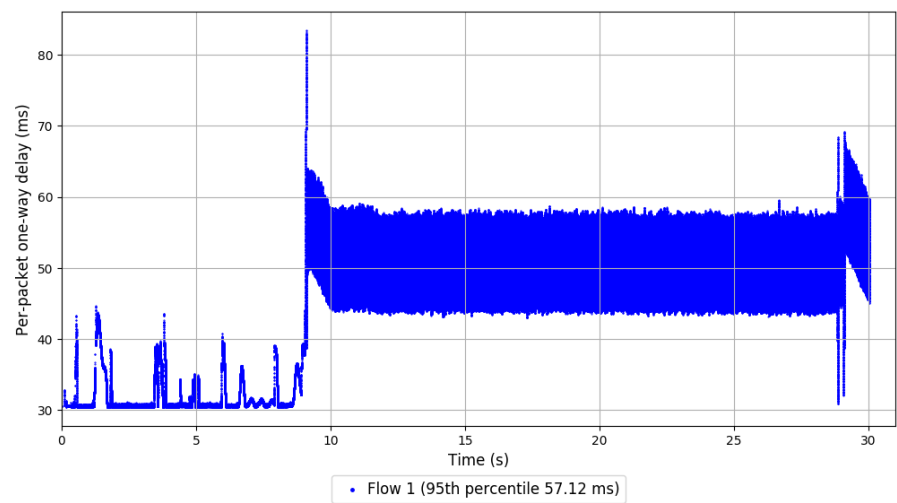
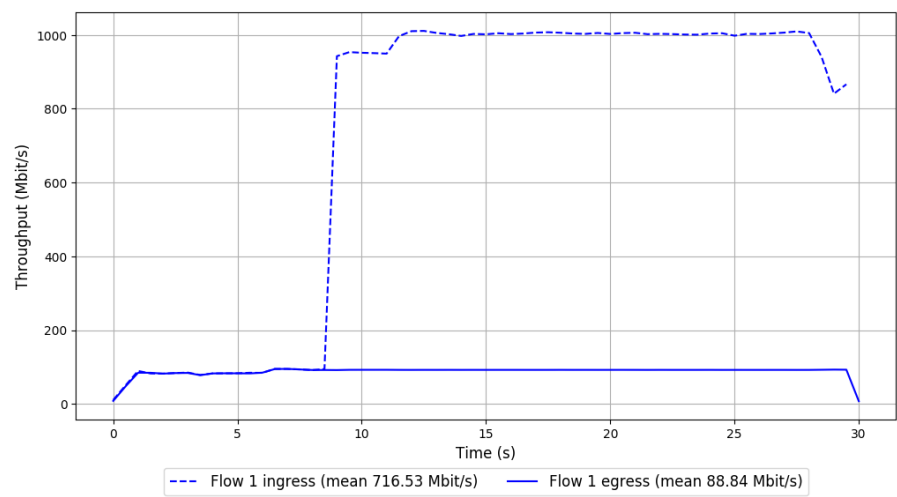


Run 9: Statistics of Copa

Start at: 2018-04-10 16:21:44  
End at: 2018-04-10 16:22:14  
Local clock offset: -0.15 ms  
Remote clock offset: -2.643 ms

# Below is generated by plot.py at 2018-04-10 18:01:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.84 Mbit/s  
95th percentile per-packet one-way delay: 57.123 ms  
Loss rate: 87.59%  
-- Flow 1:  
Average throughput: 88.84 Mbit/s  
95th percentile per-packet one-way delay: 57.123 ms  
Loss rate: 87.59%

Run 9: Report of Copa — Data Link

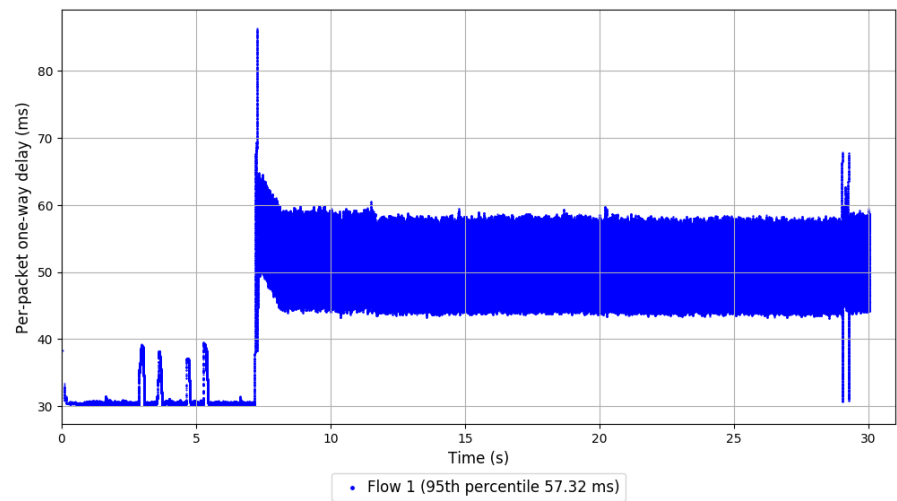
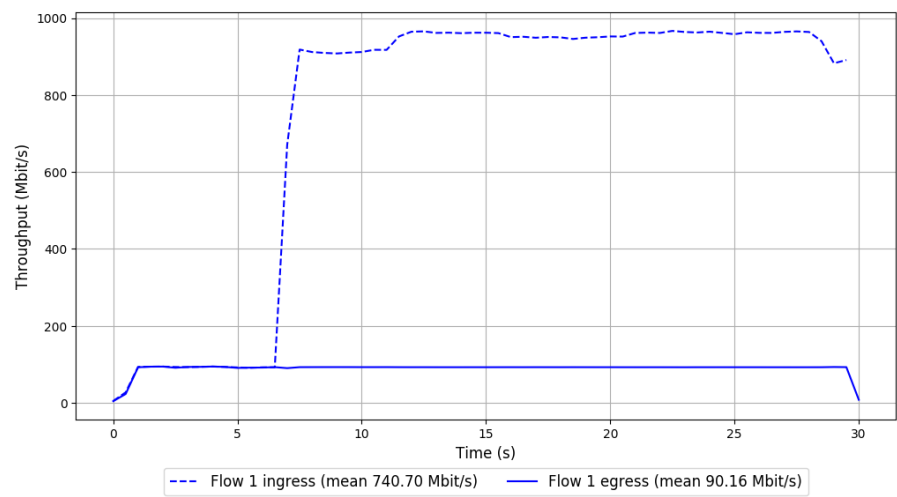


Run 10: Statistics of Copa

Start at: 2018-04-10 16:46:41  
End at: 2018-04-10 16:47:11  
Local clock offset: -0.394 ms  
Remote clock offset: -0.438 ms

# Below is generated by plot.py at 2018-04-10 18:01:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.16 Mbit/s  
95th percentile per-packet one-way delay: 57.321 ms  
Loss rate: 87.82%  
-- Flow 1:  
Average throughput: 90.16 Mbit/s  
95th percentile per-packet one-way delay: 57.321 ms  
Loss rate: 87.82%

Run 10: Report of Copa — Data Link



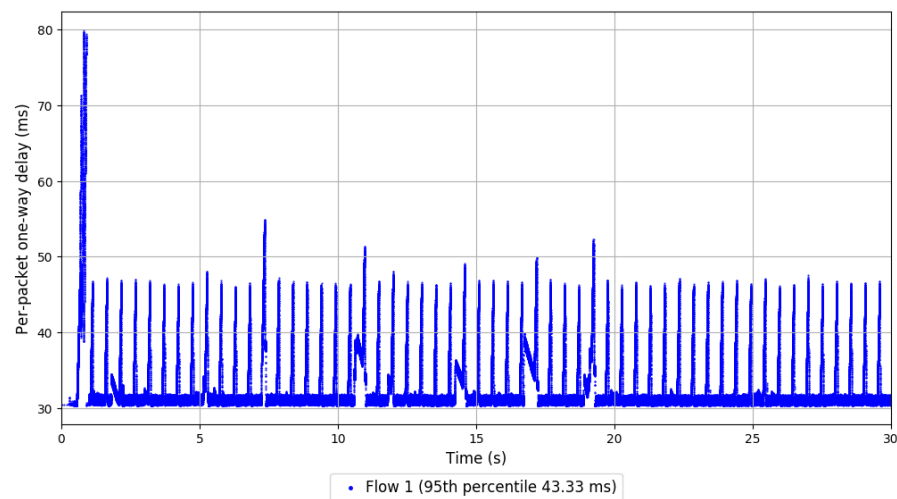
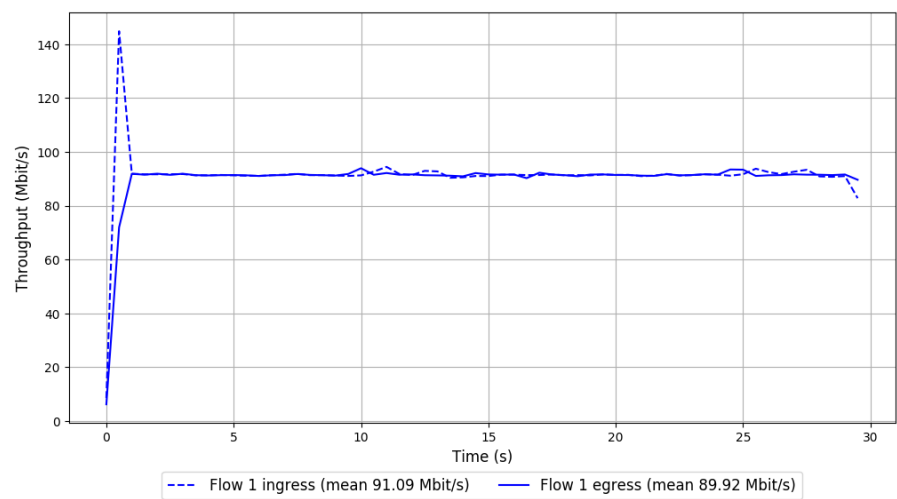
```
Run 1: Statistics of FillP

Start at: 2018-04-10 13:26:04
End at: 2018-04-10 13:26:34
Local clock offset: 0.12 ms
Remote clock offset: -1.409 ms

# Below is generated by plot.py at 2018-04-10 18:01:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.92 Mbit/s
95th percentile per-packet one-way delay: 43.328 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 89.92 Mbit/s
95th percentile per-packet one-way delay: 43.328 ms
Loss rate: 1.29%
```



Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-04-10 13:50:19

End at: 2018-04-10 13:50:49

Local clock offset: 0.179 ms

Remote clock offset: -2.9 ms

# Below is generated by plot.py at 2018-04-10 18:01:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 89.69 Mbit/s

95th percentile per-packet one-way delay: 43.311 ms

Loss rate: 1.55%

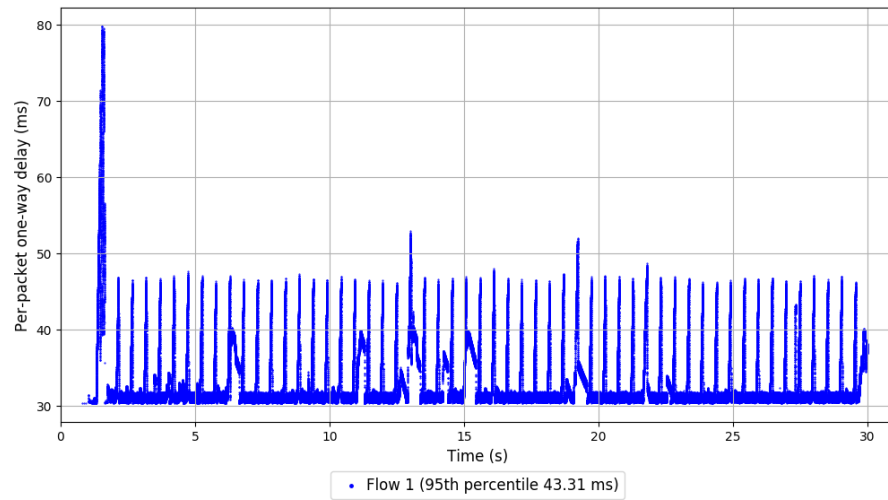
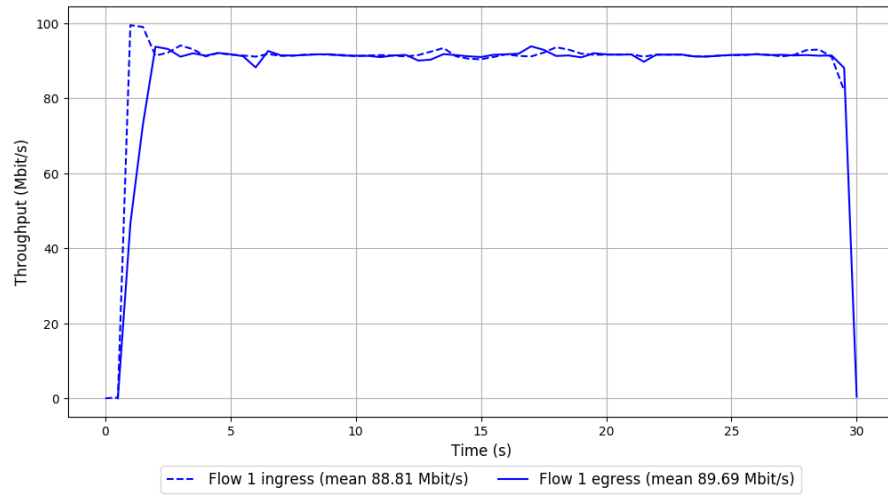
-- Flow 1:

Average throughput: 89.69 Mbit/s

95th percentile per-packet one-way delay: 43.311 ms

Loss rate: 1.55%

## Run 2: Report of FillP — Data Link

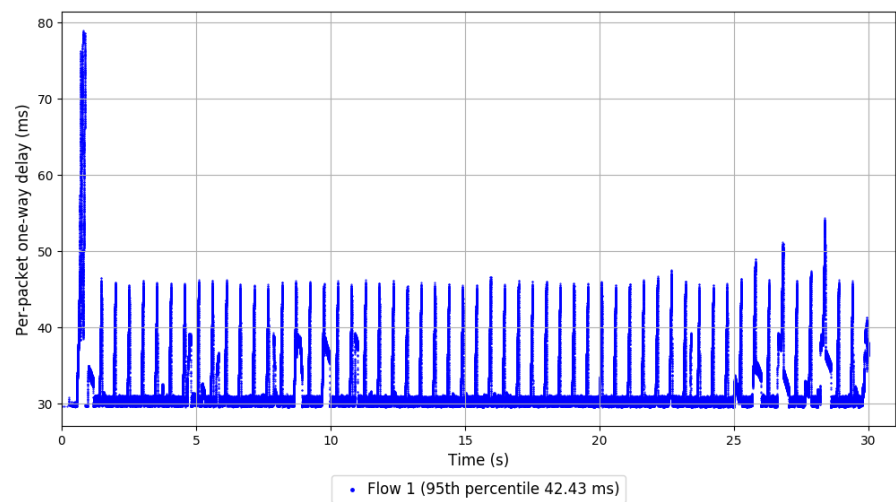
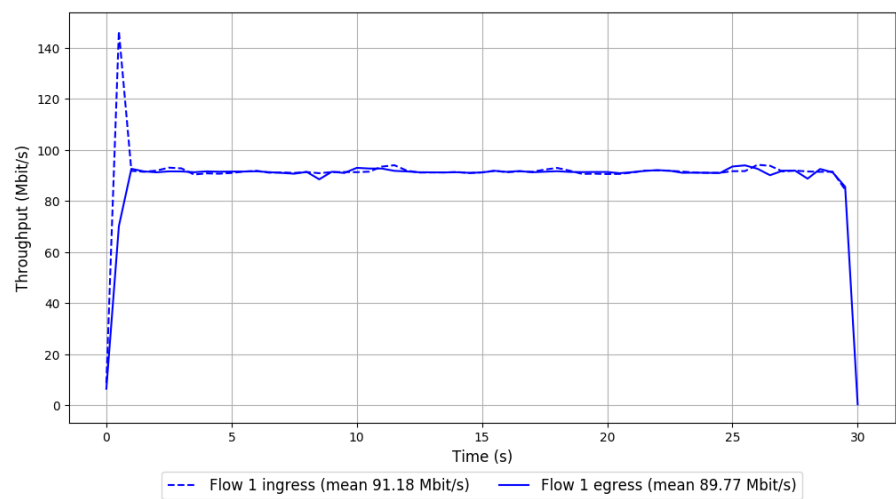


Run 3: Statistics of FillP

Start at: 2018-04-10 14:14:30  
End at: 2018-04-10 14:15:00  
Local clock offset: 0.112 ms  
Remote clock offset: -3.296 ms

# Below is generated by plot.py at 2018-04-10 18:01:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.77 Mbit/s  
95th percentile per-packet one-way delay: 42.428 ms  
Loss rate: 1.52%  
-- Flow 1:  
Average throughput: 89.77 Mbit/s  
95th percentile per-packet one-way delay: 42.428 ms  
Loss rate: 1.52%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-04-10 14:38:44

End at: 2018-04-10 14:39:14

Local clock offset: 0.147 ms

Remote clock offset: -1.28 ms

# Below is generated by plot.py at 2018-04-10 18:01:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 89.77 Mbit/s

95th percentile per-packet one-way delay: 45.027 ms

Loss rate: 1.48%

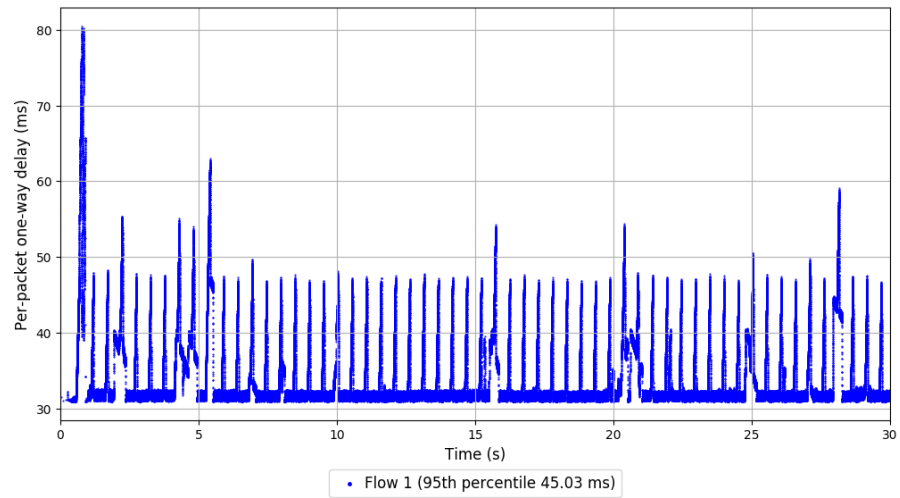
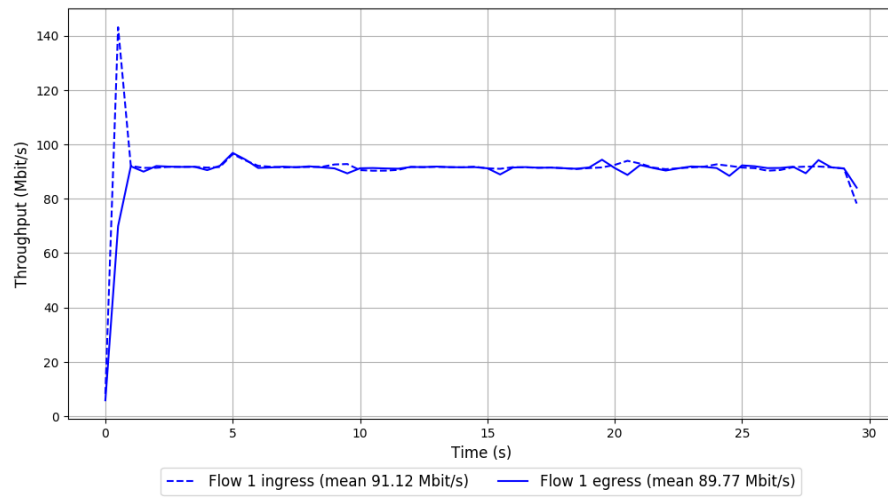
-- Flow 1:

Average throughput: 89.77 Mbit/s

95th percentile per-packet one-way delay: 45.027 ms

Loss rate: 1.48%

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



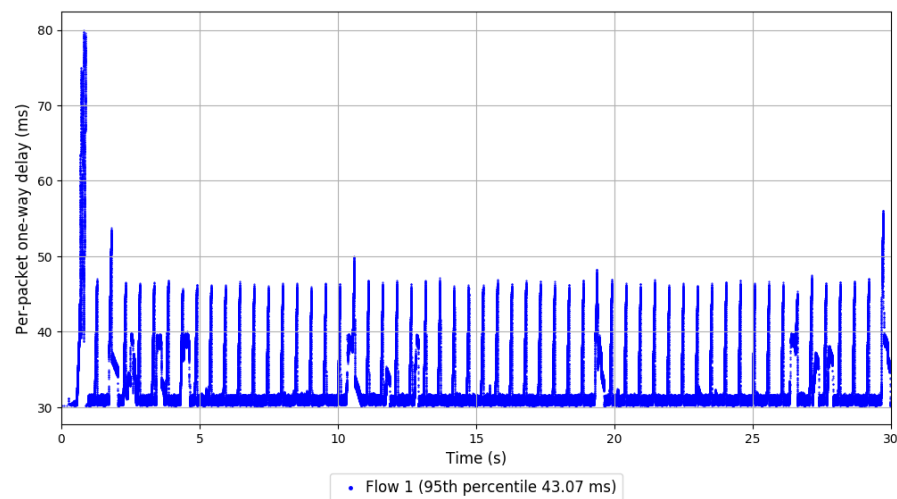
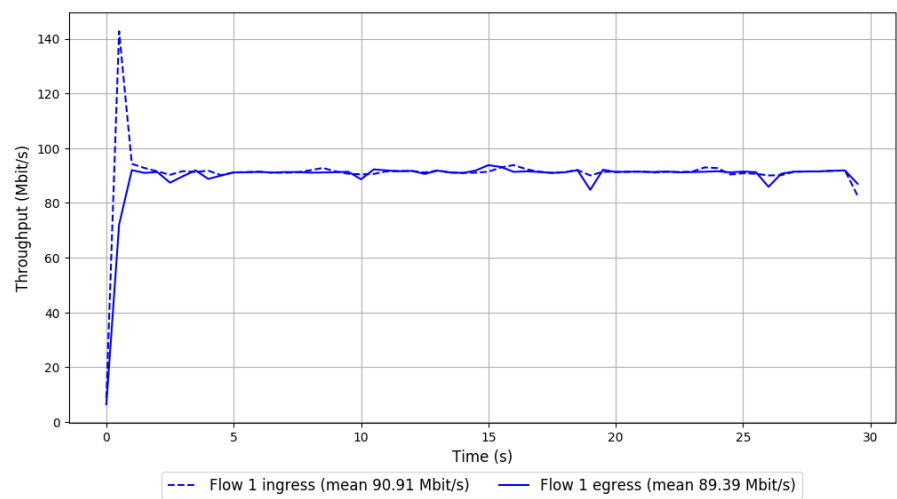
Run 5: Statistics of FillP

Start at: 2018-04-10 15:03:50  
End at: 2018-04-10 15:04:20  
Local clock offset: -0.042 ms  
Remote clock offset: -1.501 ms

# Below is generated by plot.py at 2018-04-10 18:01:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.39 Mbit/s  
95th percentile per-packet one-way delay: 43.068 ms  
Loss rate: 1.68%  
-- Flow 1:  
Average throughput: 89.39 Mbit/s  
95th percentile per-packet one-way delay: 43.068 ms  
Loss rate: 1.68%



Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-04-10 15:28:15

End at: 2018-04-10 15:28:45

Local clock offset: 0.219 ms

Remote clock offset: -4.11 ms

# Below is generated by plot.py at 2018-04-10 18:01:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 89.77 Mbit/s

95th percentile per-packet one-way delay: 40.839 ms

Loss rate: 1.49%

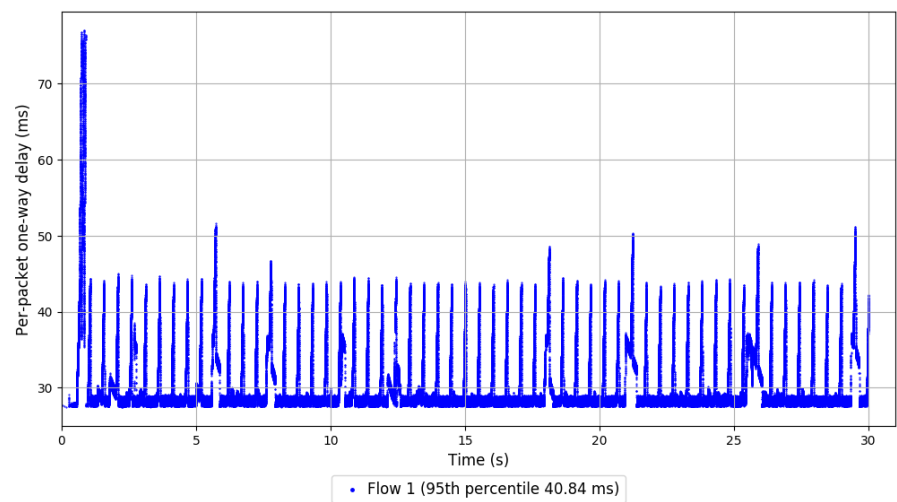
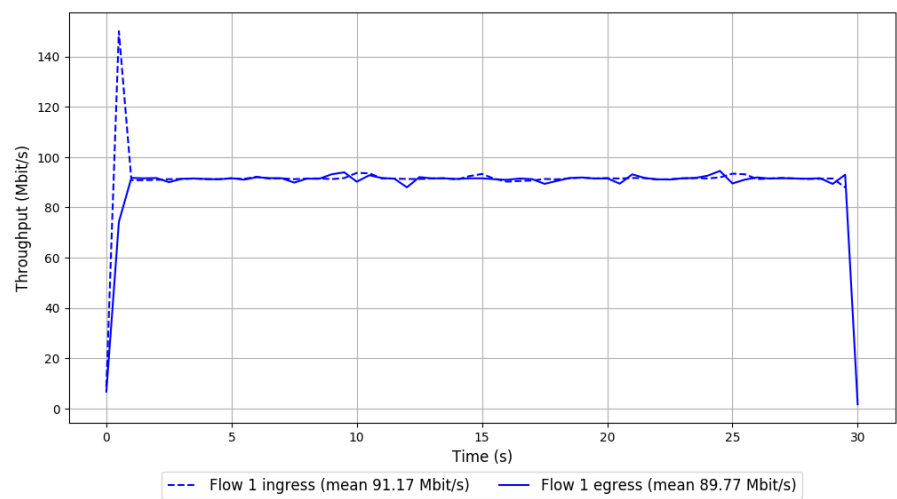
-- Flow 1:

Average throughput: 89.77 Mbit/s

95th percentile per-packet one-way delay: 40.839 ms

Loss rate: 1.49%

Run 6: Report of FillP — Data Link

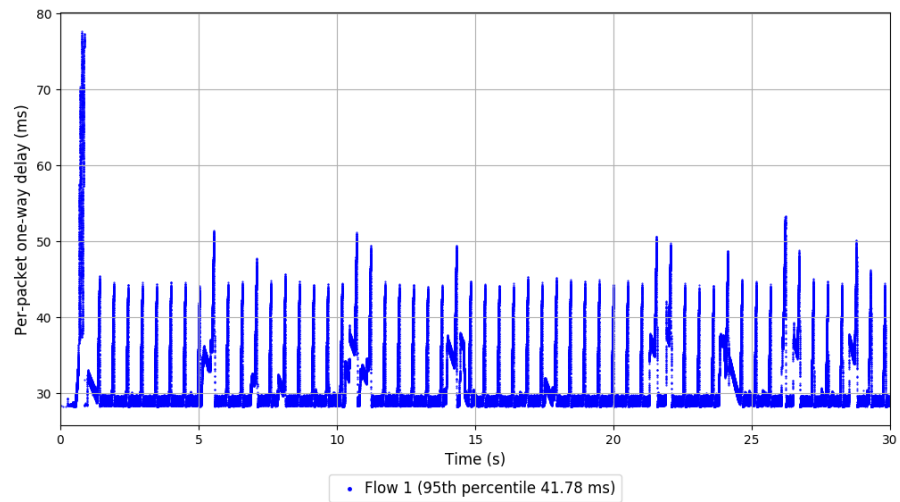
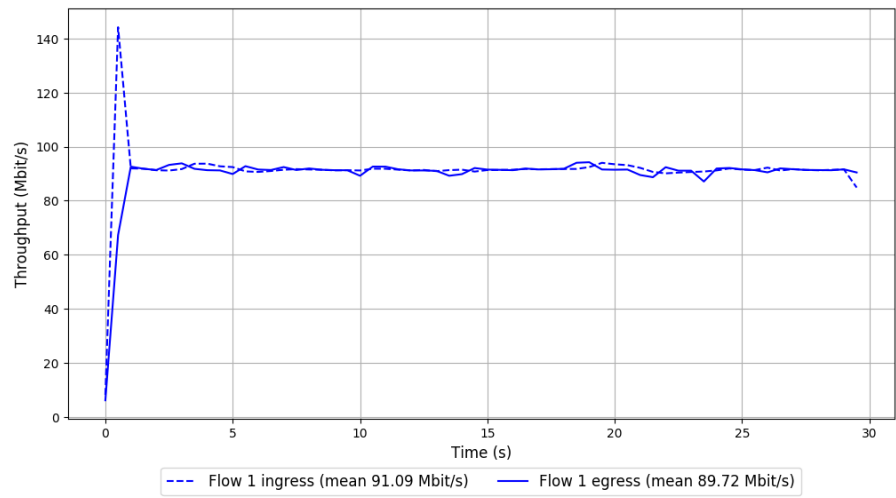


Run 7: Statistics of FillP

Start at: 2018-04-10 15:52:48  
End at: 2018-04-10 15:53:18  
Local clock offset: 0.411 ms  
Remote clock offset: -4.054 ms

# Below is generated by plot.py at 2018-04-10 18:01:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.72 Mbit/s  
95th percentile per-packet one-way delay: 41.776 ms  
Loss rate: 1.50%  
-- Flow 1:  
Average throughput: 89.72 Mbit/s  
95th percentile per-packet one-way delay: 41.776 ms  
Loss rate: 1.50%

## Run 7: Report of FillP — Data Link

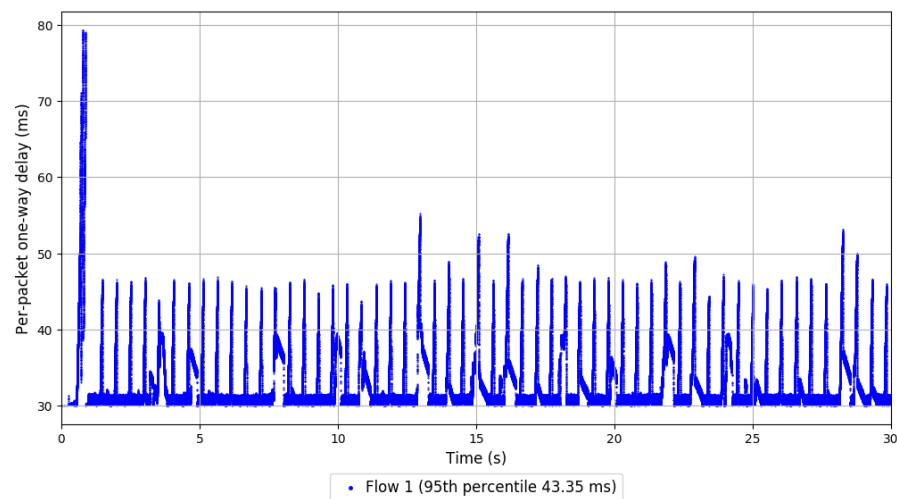
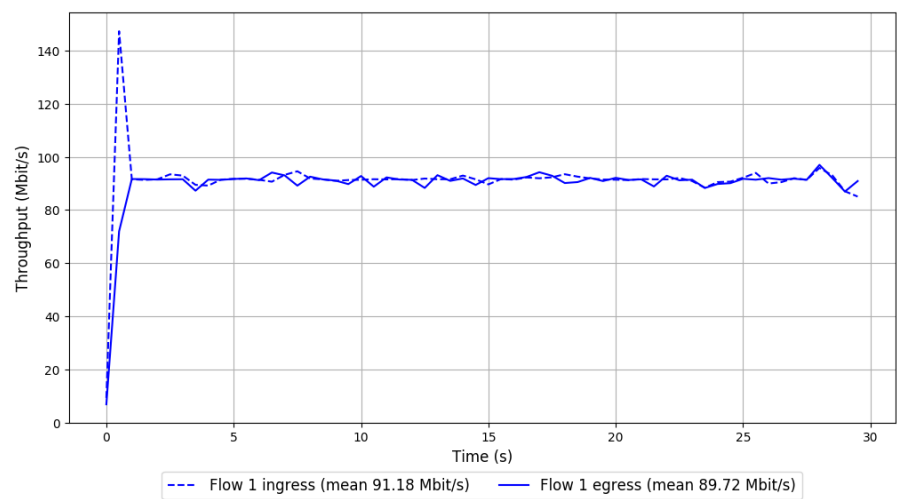


Run 8: Statistics of FillP

Start at: 2018-04-10 16:18:47  
End at: 2018-04-10 16:19:17  
Local clock offset: -0.06 ms  
Remote clock offset: -2.209 ms

# Below is generated by plot.py at 2018-04-10 18:01:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.72 Mbit/s  
95th percentile per-packet one-way delay: 43.346 ms  
Loss rate: 1.59%  
-- Flow 1:  
Average throughput: 89.72 Mbit/s  
95th percentile per-packet one-way delay: 43.346 ms  
Loss rate: 1.59%

Run 8: Report of FillP — Data Link



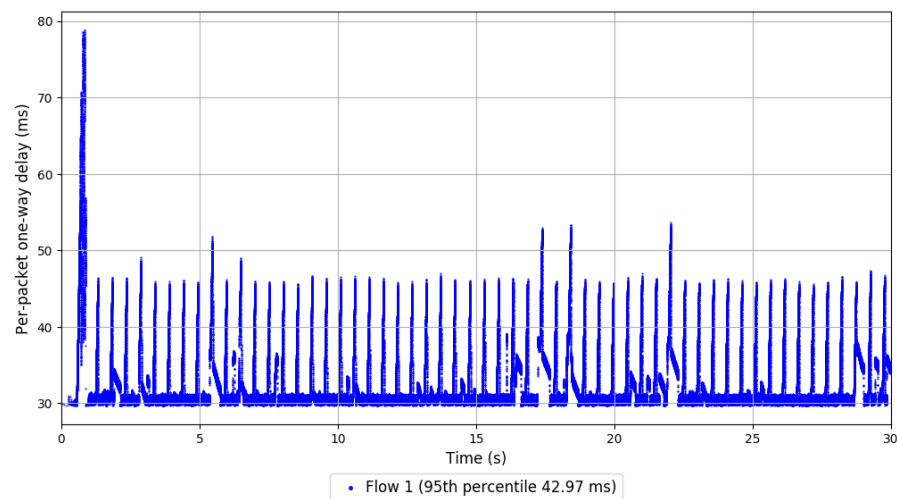
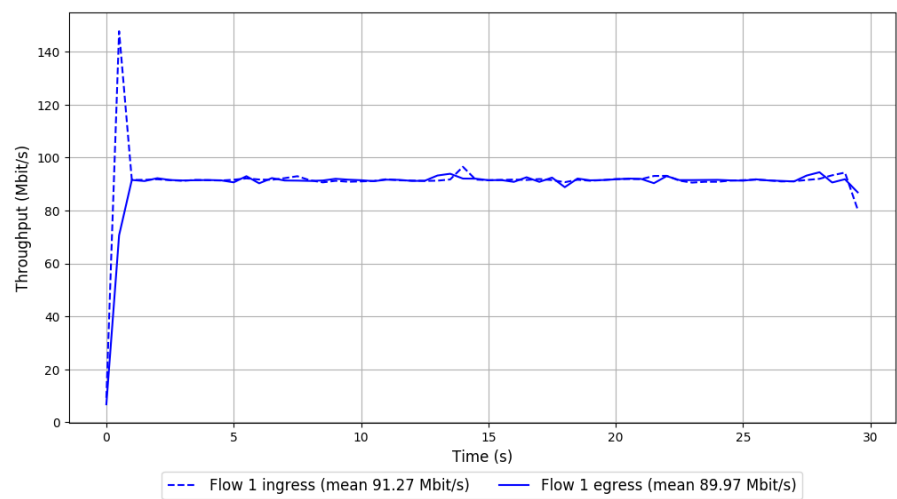
Run 9: Statistics of FillP

Start at: 2018-04-10 16:44:00  
End at: 2018-04-10 16:44:30  
Local clock offset: -0.297 ms  
Remote clock offset: -0.859 ms

# Below is generated by plot.py at 2018-04-10 18:01:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.97 Mbit/s  
95th percentile per-packet one-way delay: 42.966 ms  
Loss rate: 1.40%  
-- Flow 1:  
Average throughput: 89.97 Mbit/s  
95th percentile per-packet one-way delay: 42.966 ms  
Loss rate: 1.40%



Run 9: Report of FillP — Data Link

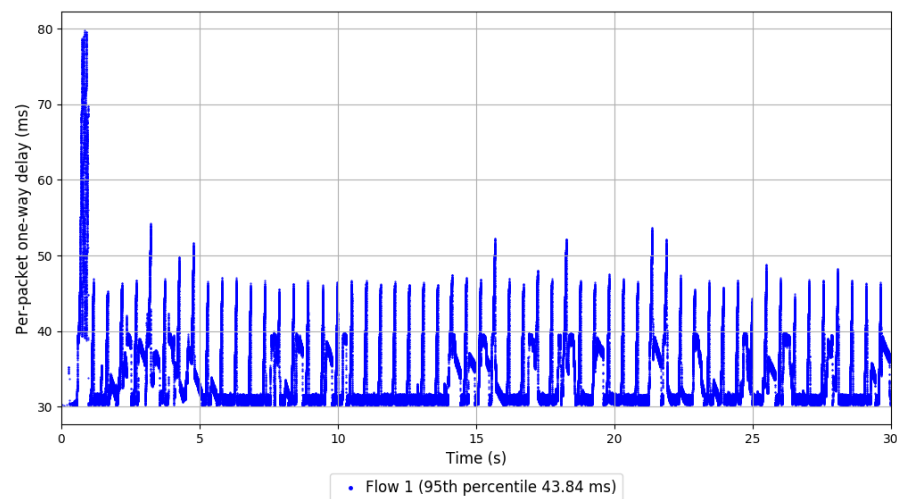
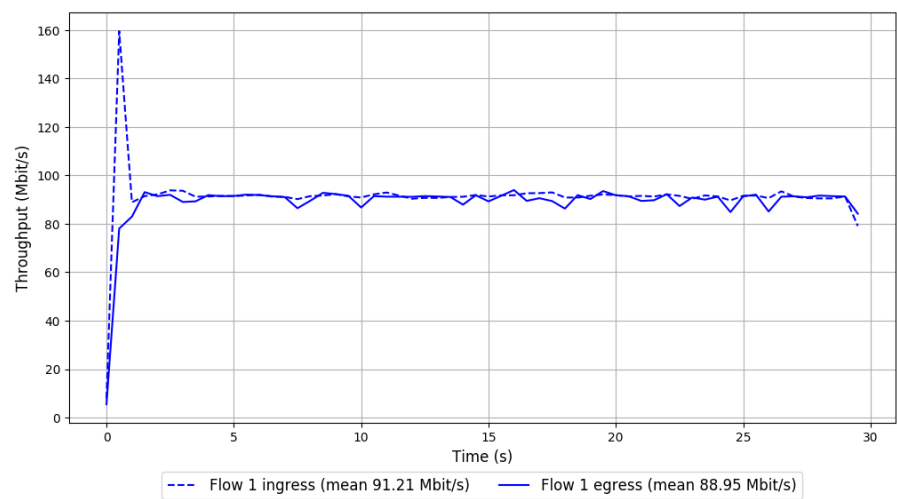


Run 10: Statistics of FillP

Start at: 2018-04-10 17:11:00  
End at: 2018-04-10 17:11:30  
Local clock offset: 0.325 ms  
Remote clock offset: -0.704 ms

# Below is generated by plot.py at 2018-04-10 18:01:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.95 Mbit/s  
95th percentile per-packet one-way delay: 43.845 ms  
Loss rate: 2.48%  
-- Flow 1:  
Average throughput: 88.95 Mbit/s  
95th percentile per-packet one-way delay: 43.845 ms  
Loss rate: 2.48%

Run 10: Report of FillP — Data Link

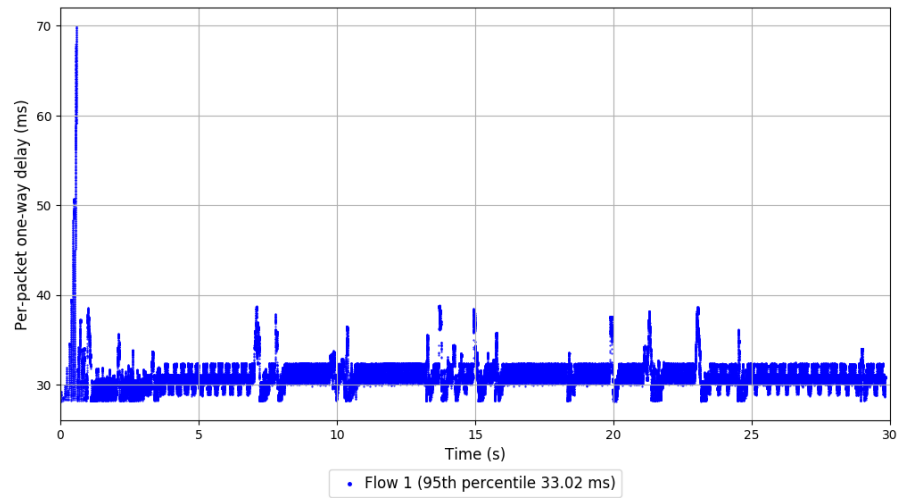
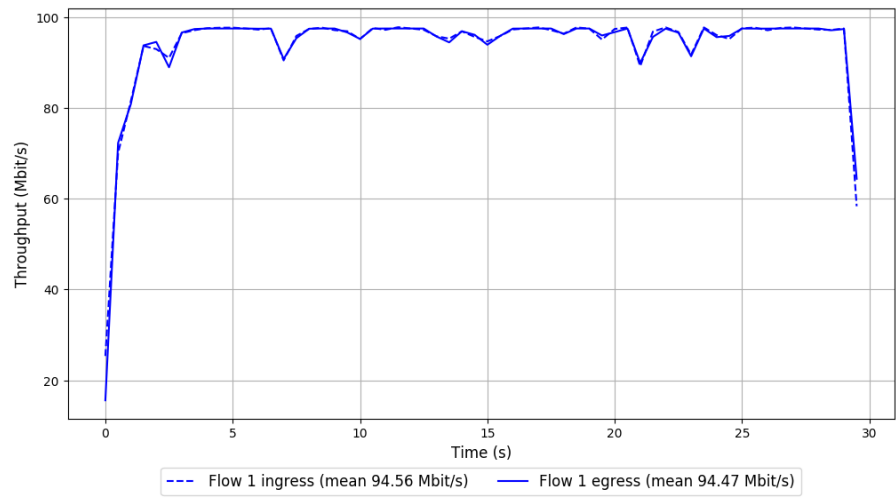


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-04-10 13:19:29
End at: 2018-04-10 13:19:59
Local clock offset: 0.21 ms
Remote clock offset: -3.868 ms

# Below is generated by plot.py at 2018-04-10 18:01:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.47 Mbit/s
95th percentile per-packet one-way delay: 33.022 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 94.47 Mbit/s
95th percentile per-packet one-way delay: 33.022 ms
Loss rate: 0.09%
```

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



Run 2: Statistics of Indigo-1-32

Start at: 2018-04-10 13:43:47

End at: 2018-04-10 13:44:17

Local clock offset: 0.193 ms

Remote clock offset: -1.851 ms

# Below is generated by plot.py at 2018-04-10 18:01:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.41 Mbit/s

95th percentile per-packet one-way delay: 33.800 ms

Loss rate: 0.14%

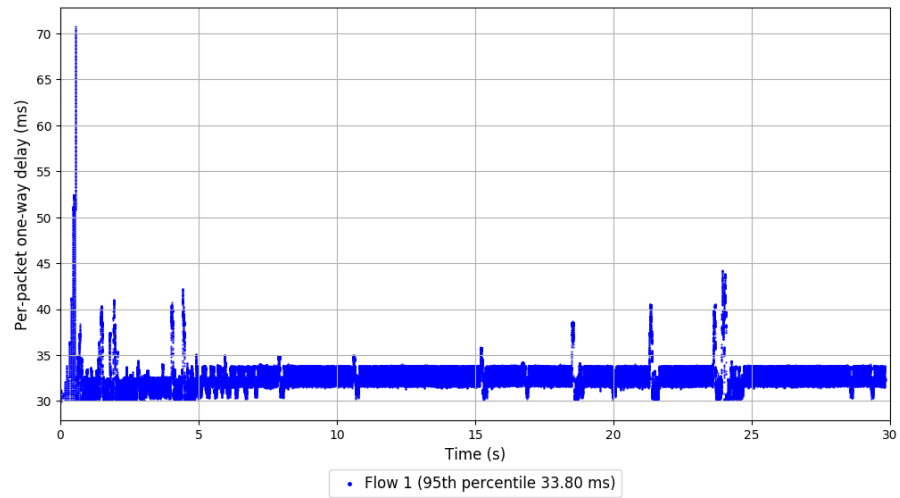
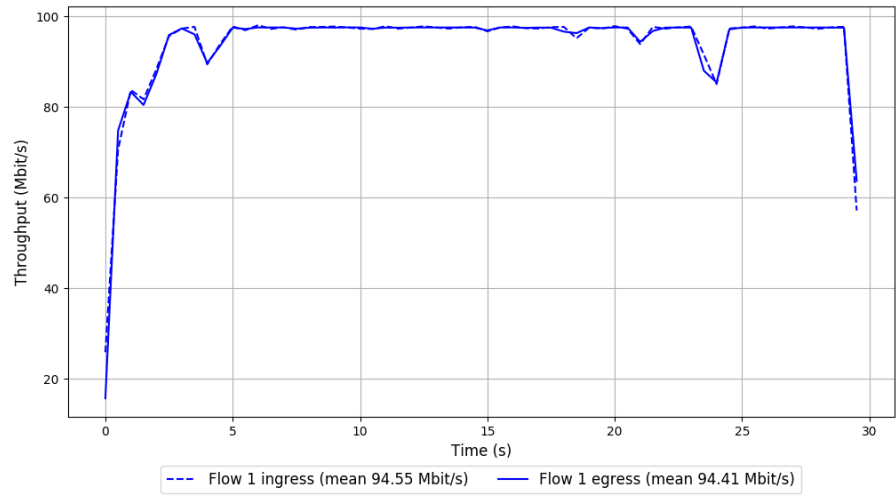
-- Flow 1:

Average throughput: 94.41 Mbit/s

95th percentile per-packet one-way delay: 33.800 ms

Loss rate: 0.14%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-04-10 14:07:54

End at: 2018-04-10 14:08:24

Local clock offset: 0.151 ms

Remote clock offset: -5.826 ms

# Below is generated by plot.py at 2018-04-10 18:01:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.51 Mbit/s

95th percentile per-packet one-way delay: 32.656 ms

Loss rate: 0.24%

-- Flow 1:

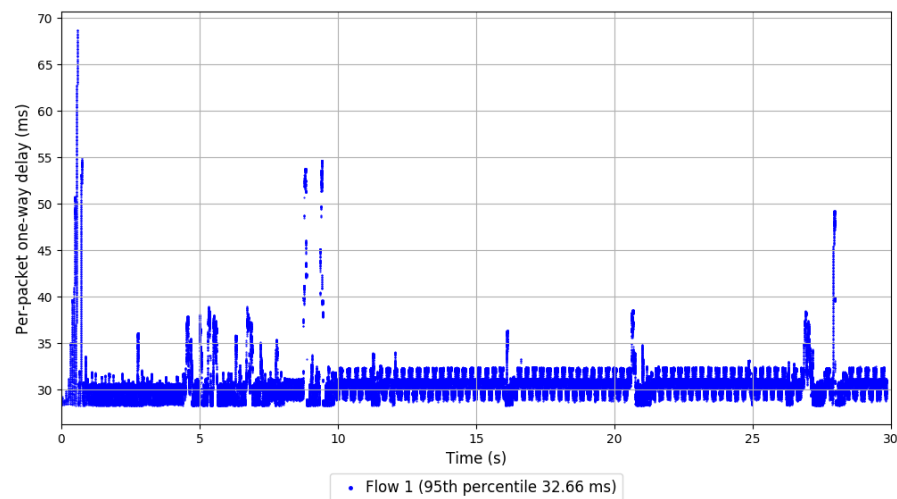
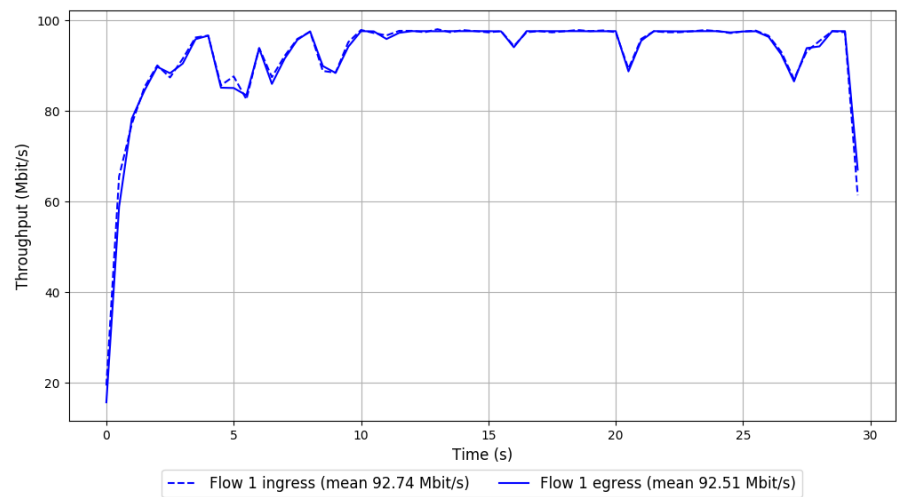
Average throughput: 92.51 Mbit/s

95th percentile per-packet one-way delay: 32.656 ms

Loss rate: 0.24%



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



Run 4: Statistics of Indigo-1-32

Start at: 2018-04-10 14:32:04

End at: 2018-04-10 14:32:34

Local clock offset: 0.156 ms

Remote clock offset: -1.979 ms

# Below is generated by plot.py at 2018-04-10 18:01:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.39 Mbit/s

95th percentile per-packet one-way delay: 36.321 ms

Loss rate: 0.42%

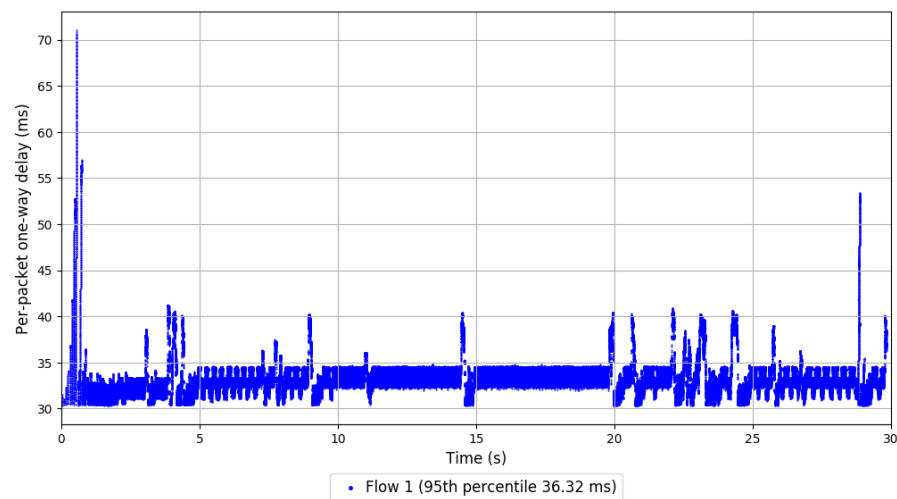
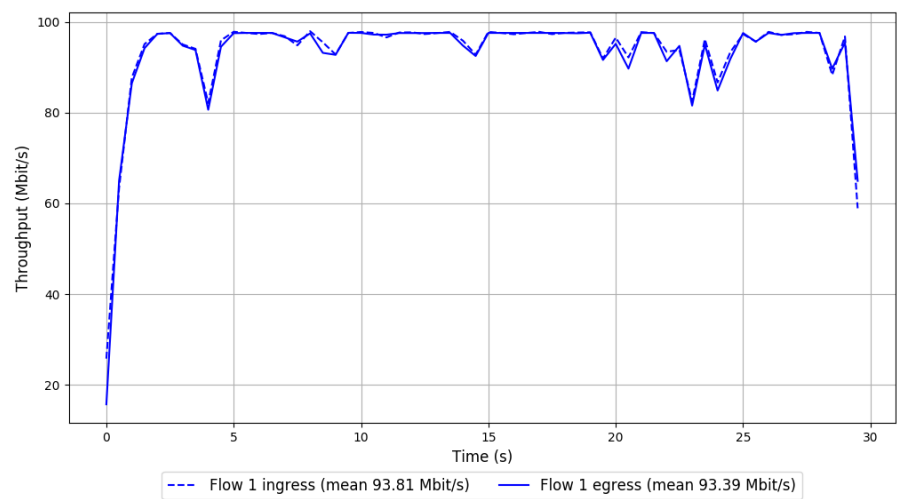
-- Flow 1:

Average throughput: 93.39 Mbit/s

95th percentile per-packet one-way delay: 36.321 ms

Loss rate: 0.42%

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

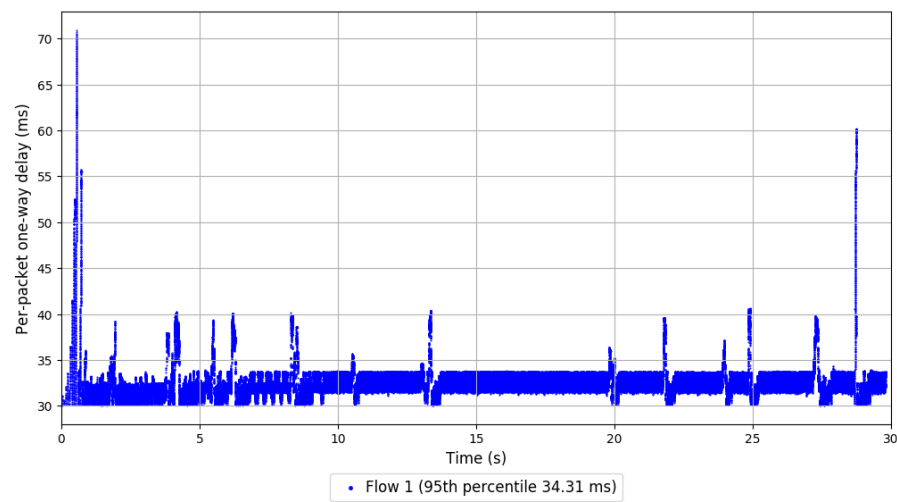
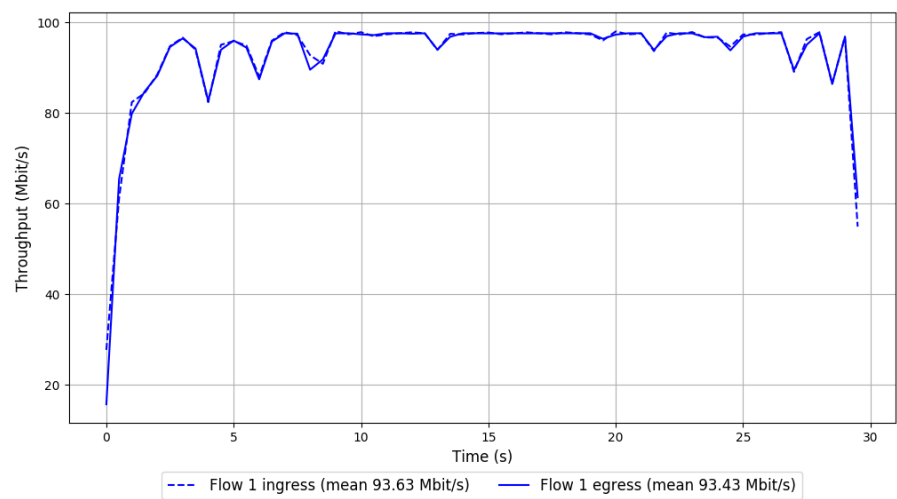


Run 5: Statistics of Indigo-1-32

Start at: 2018-04-10 14:57:16  
End at: 2018-04-10 14:57:46  
Local clock offset: 0.125 ms  
Remote clock offset: -1.503 ms

# Below is generated by plot.py at 2018-04-10 18:01:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.43 Mbit/s  
95th percentile per-packet one-way delay: 34.312 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 93.43 Mbit/s  
95th percentile per-packet one-way delay: 34.312 ms  
Loss rate: 0.21%

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

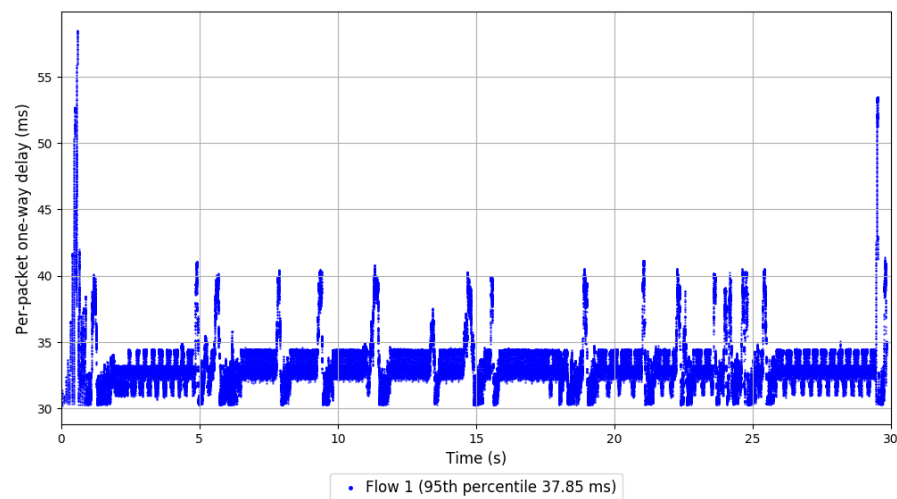
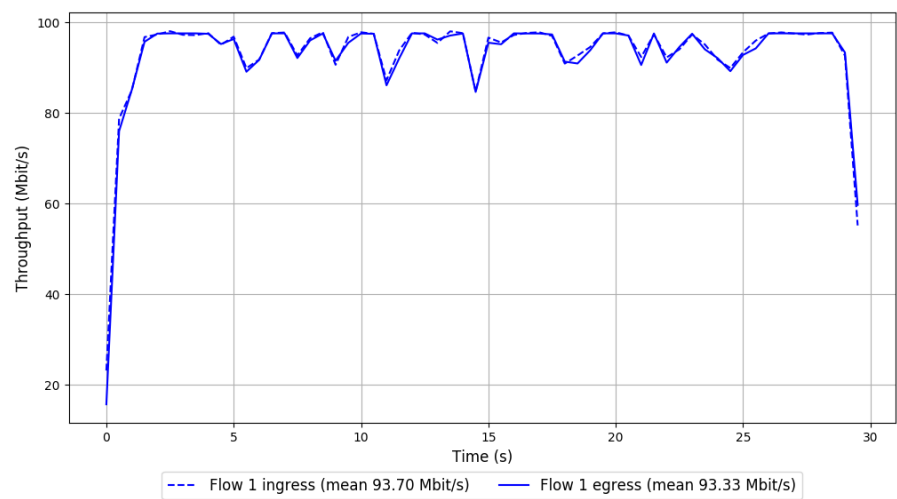


Run 6: Statistics of Indigo-1-32

Start at: 2018-04-10 15:21:31  
End at: 2018-04-10 15:22:01  
Local clock offset: 0.104 ms  
Remote clock offset: -2.116 ms

# Below is generated by plot.py at 2018-04-10 18:01:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.33 Mbit/s  
95th percentile per-packet one-way delay: 37.851 ms  
Loss rate: 0.39%  
-- Flow 1:  
Average throughput: 93.33 Mbit/s  
95th percentile per-packet one-way delay: 37.851 ms  
Loss rate: 0.39%

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



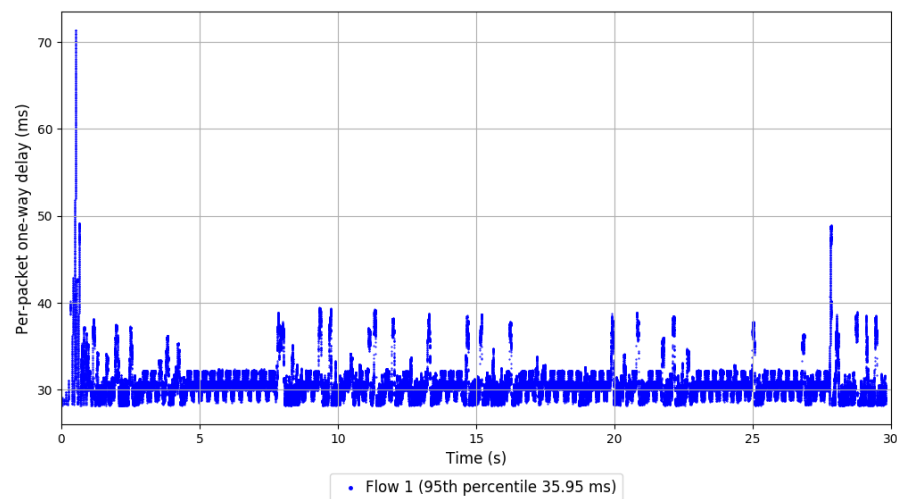
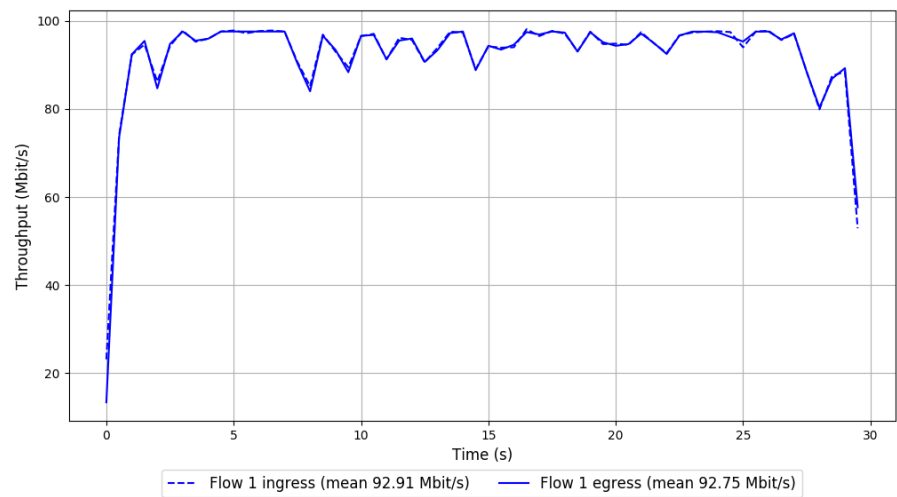
Run 7: Statistics of Indigo-1-32

Start at: 2018-04-10 15:46:13  
End at: 2018-04-10 15:46:43  
Local clock offset: 0.404 ms  
Remote clock offset: -4.141 ms

# Below is generated by plot.py at 2018-04-10 18:01:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.75 Mbit/s  
95th percentile per-packet one-way delay: 35.947 ms  
Loss rate: 0.17%  
-- Flow 1:  
Average throughput: 92.75 Mbit/s  
95th percentile per-packet one-way delay: 35.947 ms  
Loss rate: 0.17%



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



Run 8: Statistics of Indigo-1-32

Start at: 2018-04-10 16:11:52

End at: 2018-04-10 16:12:22

Local clock offset: 0.053 ms

Remote clock offset: -4.625 ms

# Below is generated by plot.py at 2018-04-10 18:02:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.49 Mbit/s

95th percentile per-packet one-way delay: 32.046 ms

Loss rate: 0.20%

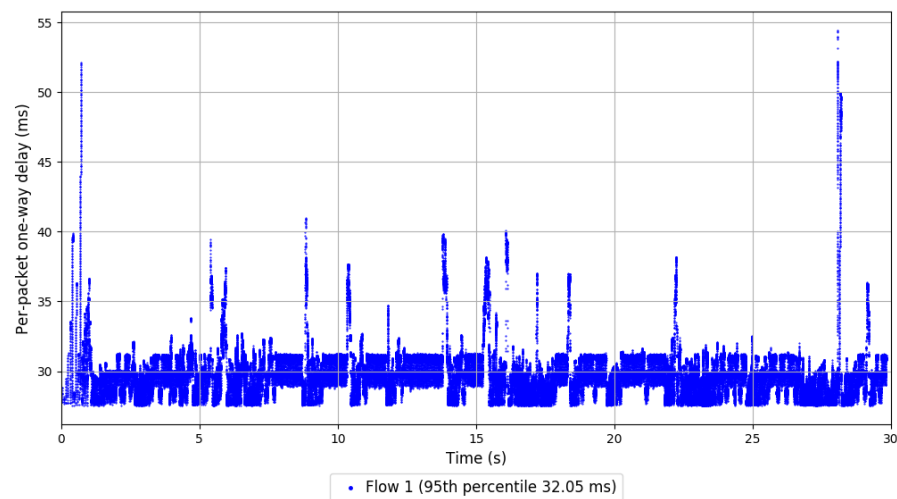
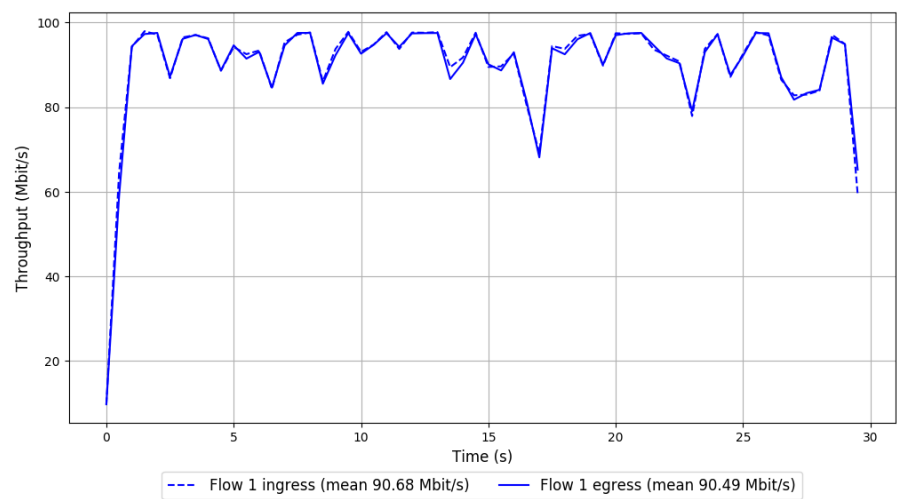
-- Flow 1:

Average throughput: 90.49 Mbit/s

95th percentile per-packet one-way delay: 32.046 ms

Loss rate: 0.20%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-04-10 16:37:24

End at: 2018-04-10 16:37:54

Local clock offset: -0.34 ms

Remote clock offset: -3.386 ms

# Below is generated by plot.py at 2018-04-10 18:02:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.90 Mbit/s

95th percentile per-packet one-way delay: 32.392 ms

Loss rate: 0.29%

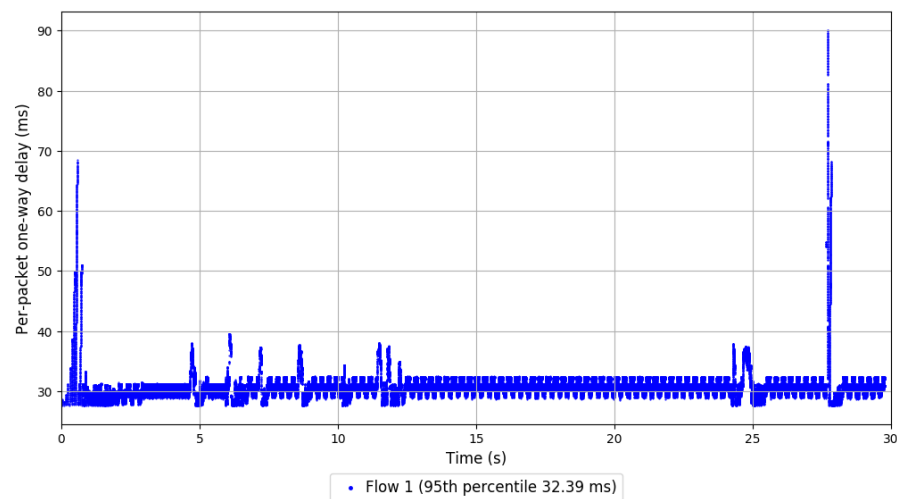
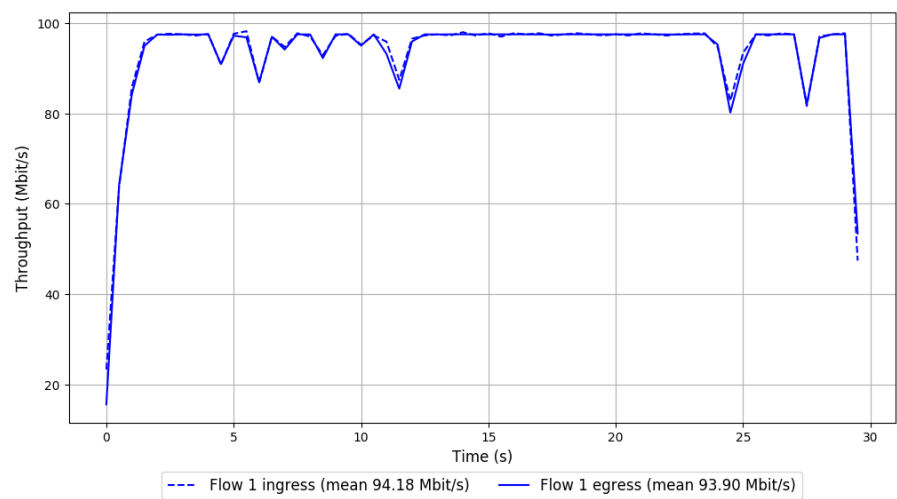
-- Flow 1:

Average throughput: 93.90 Mbit/s

95th percentile per-packet one-way delay: 32.392 ms

Loss rate: 0.29%

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

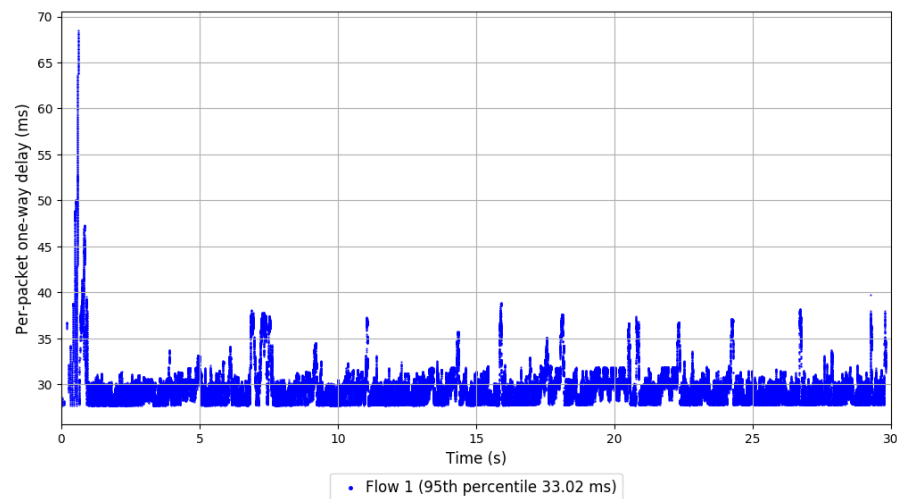
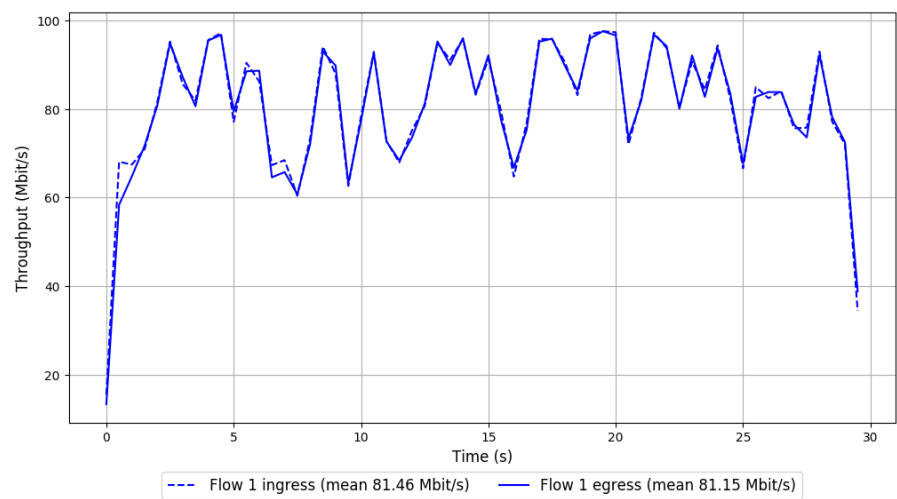


Run 10: Statistics of Indigo-1-32

Start at: 2018-04-10 17:04:01  
End at: 2018-04-10 17:04:31  
Local clock offset: -0.214 ms  
Remote clock offset: -2.735 ms

# Below is generated by plot.py at 2018-04-10 18:02:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 81.15 Mbit/s  
95th percentile per-packet one-way delay: 33.017 ms  
Loss rate: 0.37%  
-- Flow 1:  
Average throughput: 81.15 Mbit/s  
95th percentile per-packet one-way delay: 33.017 ms  
Loss rate: 0.37%

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



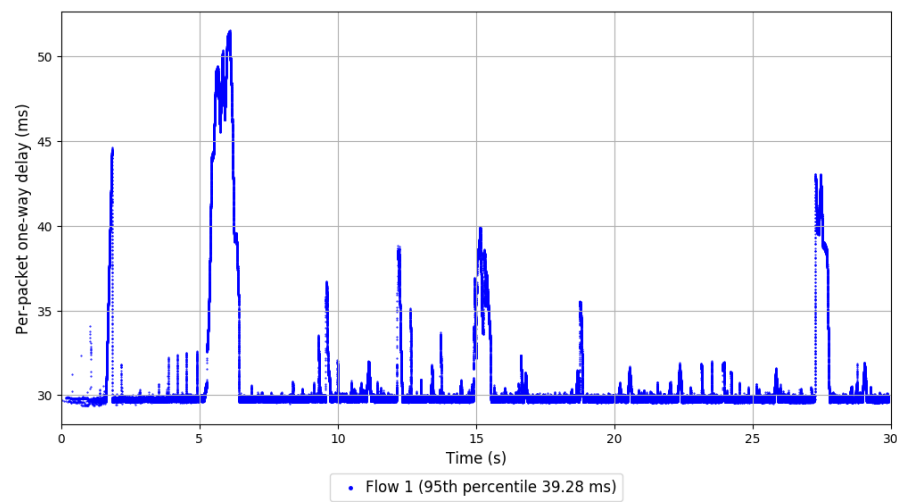
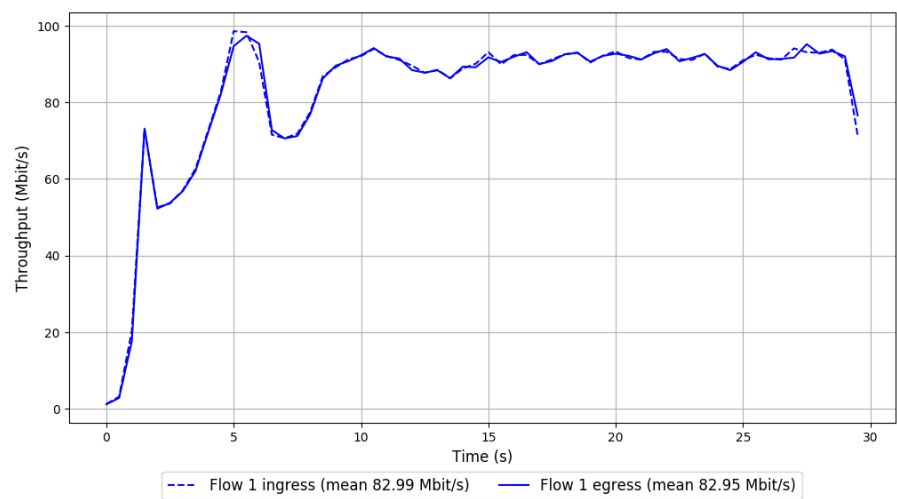
Run 1: Statistics of Vivace-latency

Start at: 2018-04-10 13:14:05  
End at: 2018-04-10 13:14:35  
Local clock offset: 0.182 ms  
Remote clock offset: -2.274 ms

# Below is generated by plot.py at 2018-04-10 18:02:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 82.95 Mbit/s  
95th percentile per-packet one-way delay: 39.283 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 82.95 Mbit/s  
95th percentile per-packet one-way delay: 39.283 ms  
Loss rate: 0.04%



Run 1: Report of Vivace-latency — Data Link

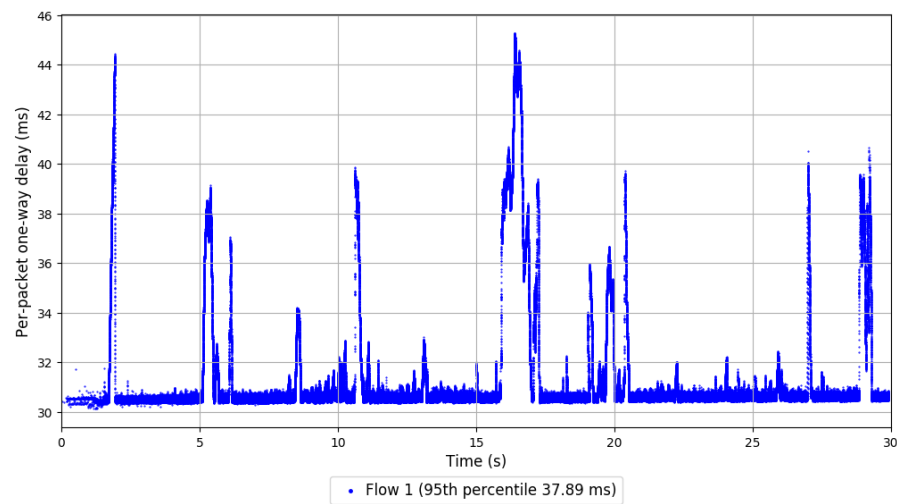
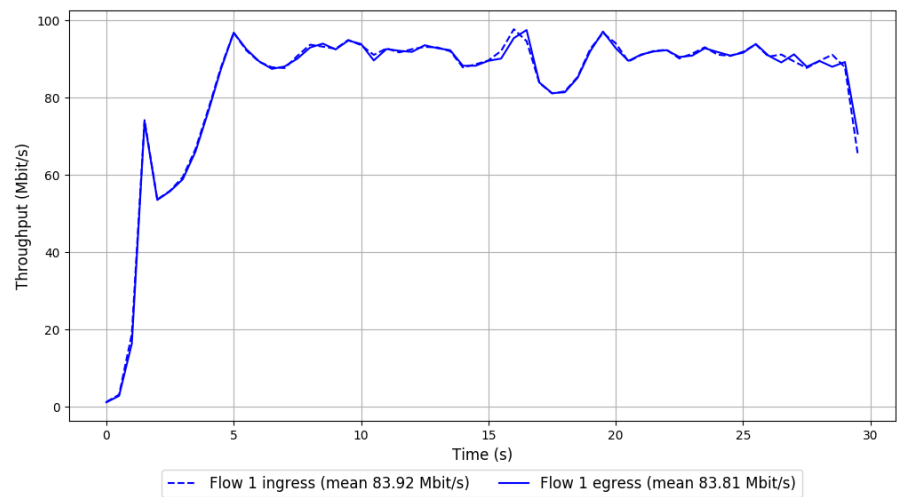


Run 2: Statistics of Vivace-latency

Start at: 2018-04-10 13:38:27  
End at: 2018-04-10 13:38:57  
Local clock offset: 0.214 ms  
Remote clock offset: -1.406 ms

# Below is generated by plot.py at 2018-04-10 18:02:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 83.81 Mbit/s  
95th percentile per-packet one-way delay: 37.887 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 83.81 Mbit/s  
95th percentile per-packet one-way delay: 37.887 ms  
Loss rate: 0.13%

Run 2: Report of Vivace-latency — Data Link

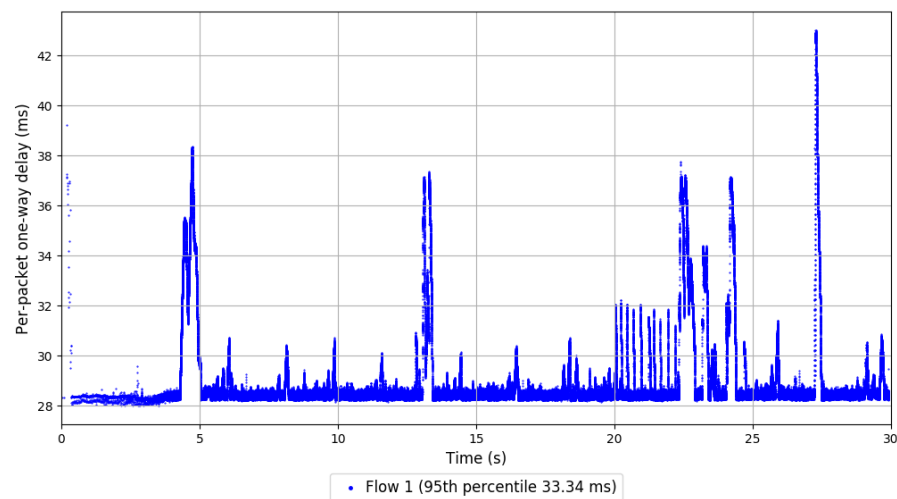
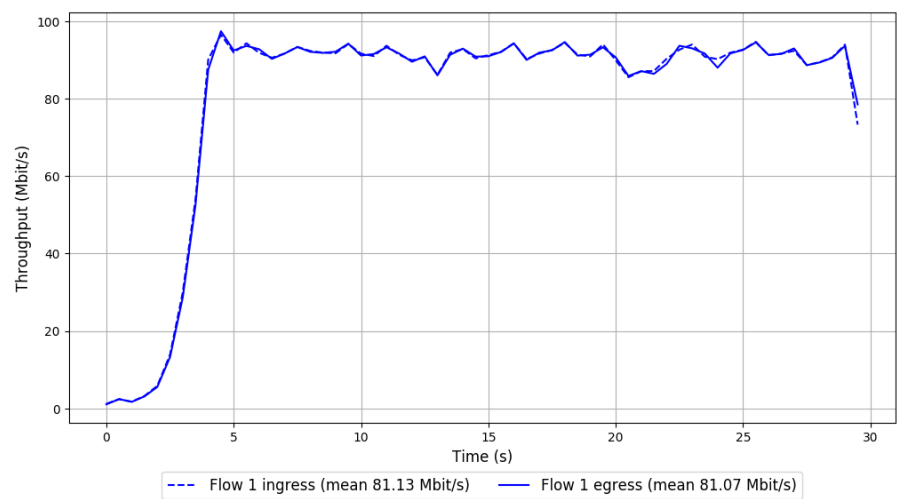


Run 3: Statistics of Vivace-latency

Start at: 2018-04-10 14:02:32  
End at: 2018-04-10 14:03:02  
Local clock offset: 0.18 ms  
Remote clock offset: -5.674 ms

# Below is generated by plot.py at 2018-04-10 18:03:00  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 81.07 Mbit/s  
95th percentile per-packet one-way delay: 33.335 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 81.07 Mbit/s  
95th percentile per-packet one-way delay: 33.335 ms  
Loss rate: 0.07%

Run 3: Report of Vivace-latency — Data Link

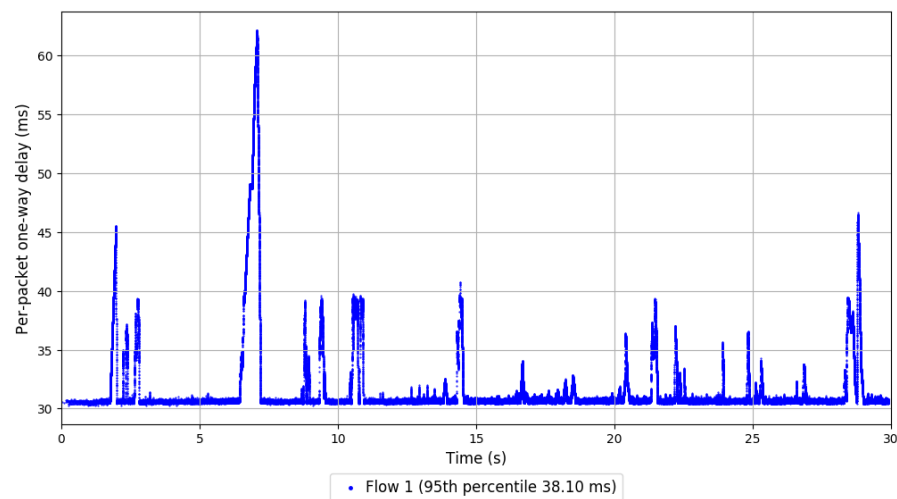
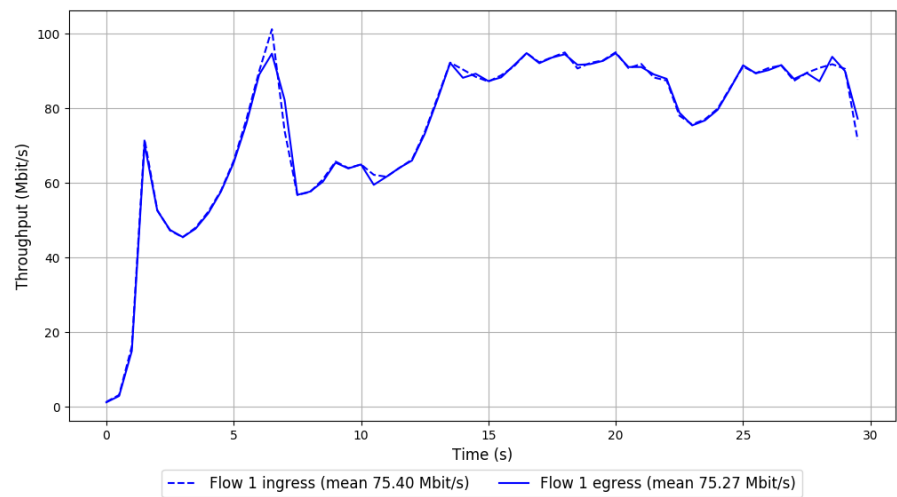


Run 4: Statistics of Vivace-latency

Start at: 2018-04-10 14:26:46  
End at: 2018-04-10 14:27:16  
Local clock offset: 0.129 ms  
Remote clock offset: -2.211 ms

# Below is generated by plot.py at 2018-04-10 18:03:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 75.27 Mbit/s  
95th percentile per-packet one-way delay: 38.105 ms  
Loss rate: 0.17%  
-- Flow 1:  
Average throughput: 75.27 Mbit/s  
95th percentile per-packet one-way delay: 38.105 ms  
Loss rate: 0.17%

Run 4: Report of Vivace-latency — Data Link



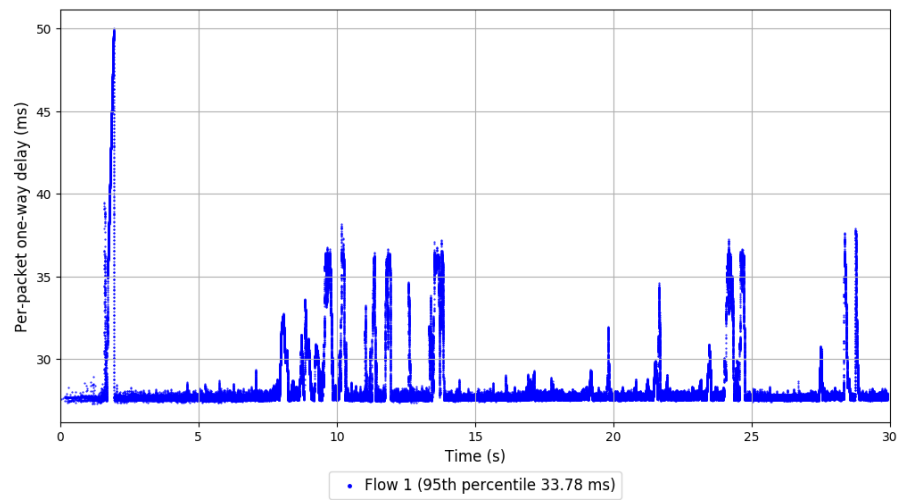
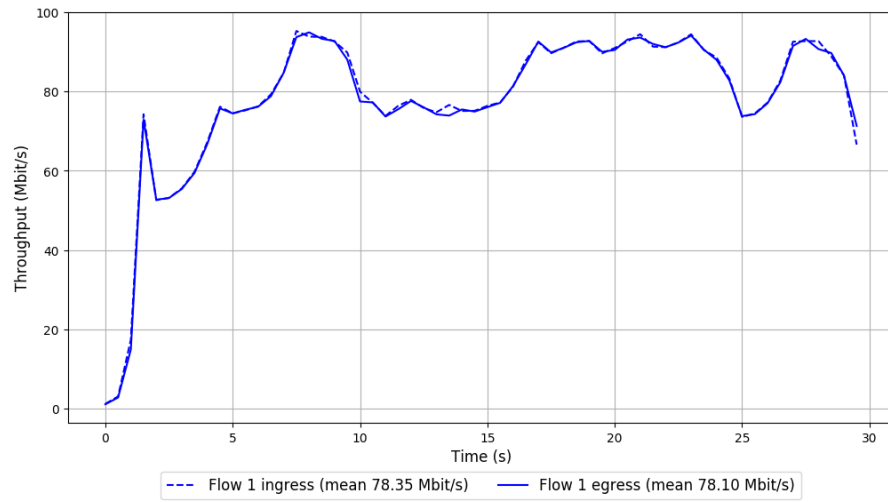
Run 5: Statistics of Vivace-latency

Start at: 2018-04-10 14:51:44  
End at: 2018-04-10 14:52:14  
Local clock offset: 0.164 ms  
Remote clock offset: -4.031 ms

# Below is generated by plot.py at 2018-04-10 18:03:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.10 Mbit/s  
95th percentile per-packet one-way delay: 33.785 ms  
Loss rate: 0.32%  
-- Flow 1:  
Average throughput: 78.10 Mbit/s  
95th percentile per-packet one-way delay: 33.785 ms  
Loss rate: 0.32%



### Run 5: Report of Vivace-latency — Data Link

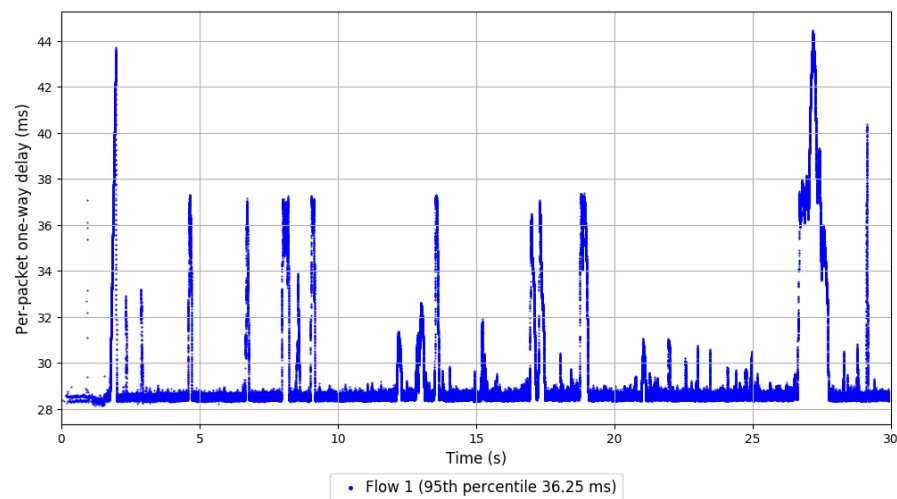
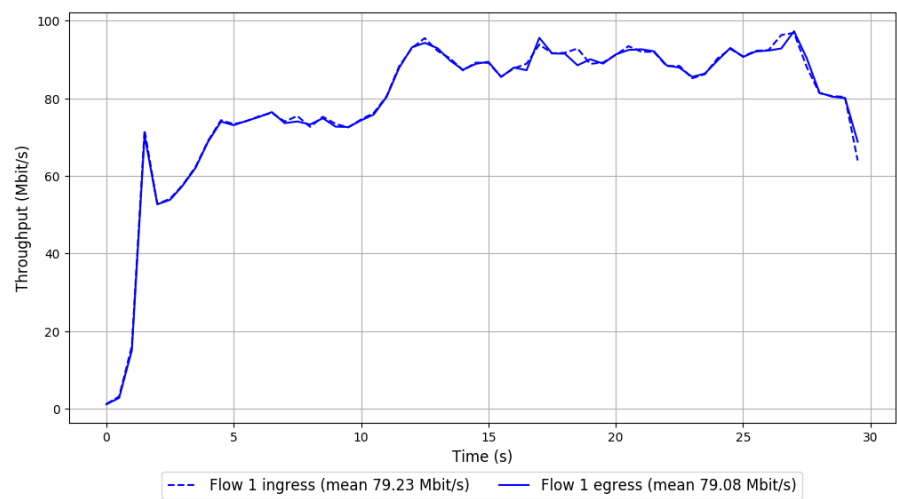


Run 6: Statistics of Vivace-latency

Start at: 2018-04-10 15:16:04  
End at: 2018-04-10 15:16:34  
Local clock offset: -0.041 ms  
Remote clock offset: -4.087 ms

# Below is generated by plot.py at 2018-04-10 18:03:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 79.08 Mbit/s  
95th percentile per-packet one-way delay: 36.252 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 79.08 Mbit/s  
95th percentile per-packet one-way delay: 36.252 ms  
Loss rate: 0.19%

Run 6: Report of Vivace-latency — Data Link

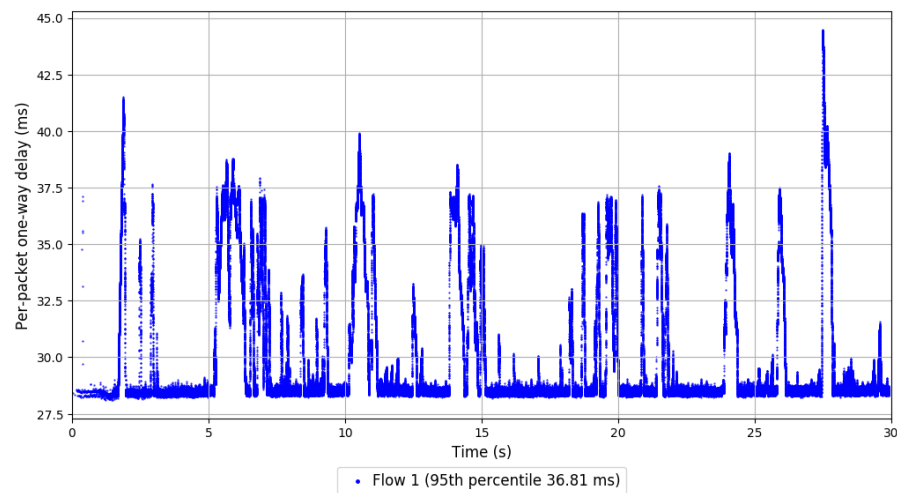
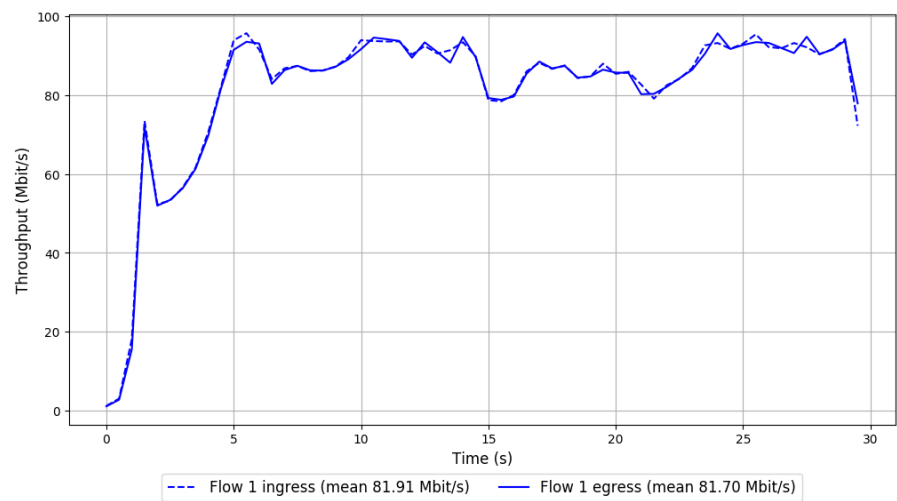


Run 7: Statistics of Vivace-latency

Start at: 2018-04-10 15:40:51  
End at: 2018-04-10 15:41:21  
Local clock offset: 0.266 ms  
Remote clock offset: -4.131 ms

# Below is generated by plot.py at 2018-04-10 18:03:37  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 81.70 Mbit/s  
95th percentile per-packet one-way delay: 36.808 ms  
Loss rate: 0.26%  
-- Flow 1:  
Average throughput: 81.70 Mbit/s  
95th percentile per-packet one-way delay: 36.808 ms  
Loss rate: 0.26%

Run 7: Report of Vivace-latency — Data Link

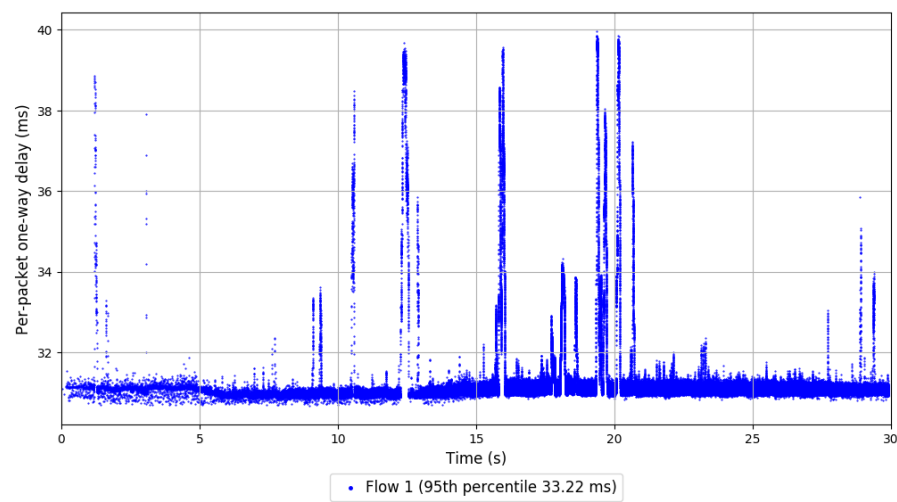
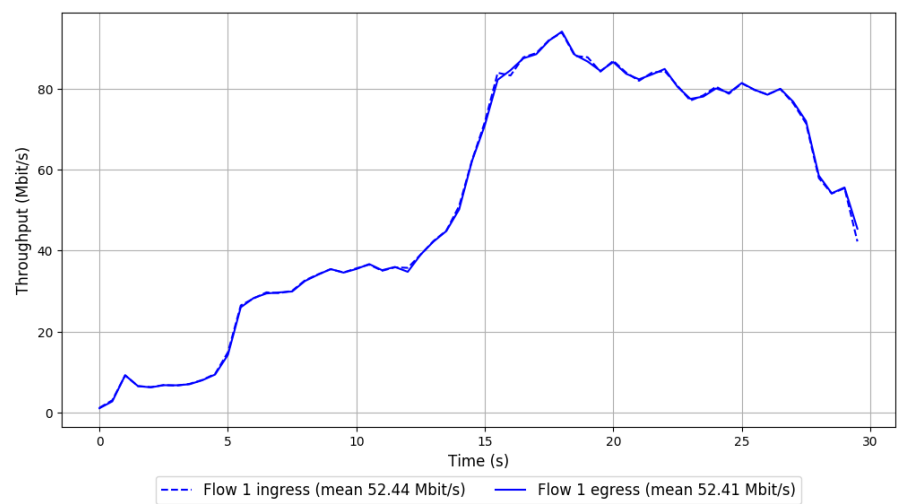


Run 8: Statistics of Vivace-latency

Start at: 2018-04-10 16:05:56  
End at: 2018-04-10 16:06:26  
Local clock offset: 0.05 ms  
Remote clock offset: -1.942 ms

# Below is generated by plot.py at 2018-04-10 18:03:37  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 52.41 Mbit/s  
95th percentile per-packet one-way delay: 33.217 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 52.41 Mbit/s  
95th percentile per-packet one-way delay: 33.217 ms  
Loss rate: 0.06%

Run 8: Report of Vivace-latency — Data Link



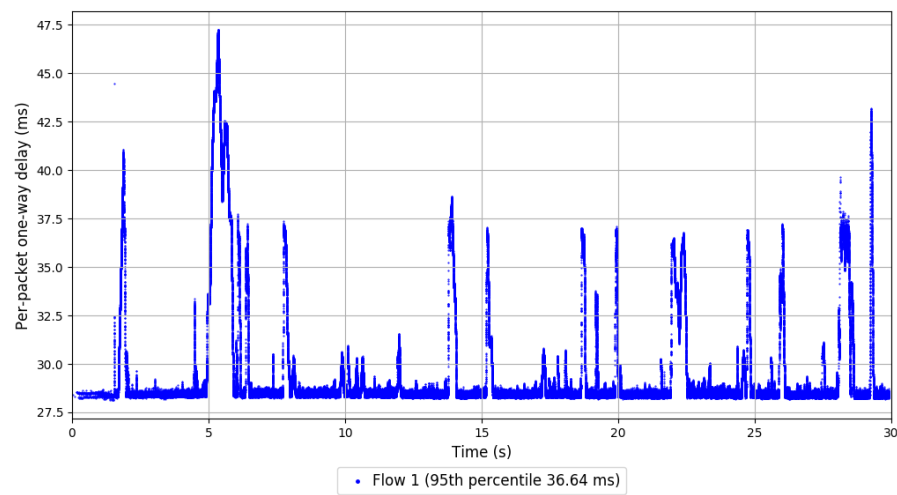
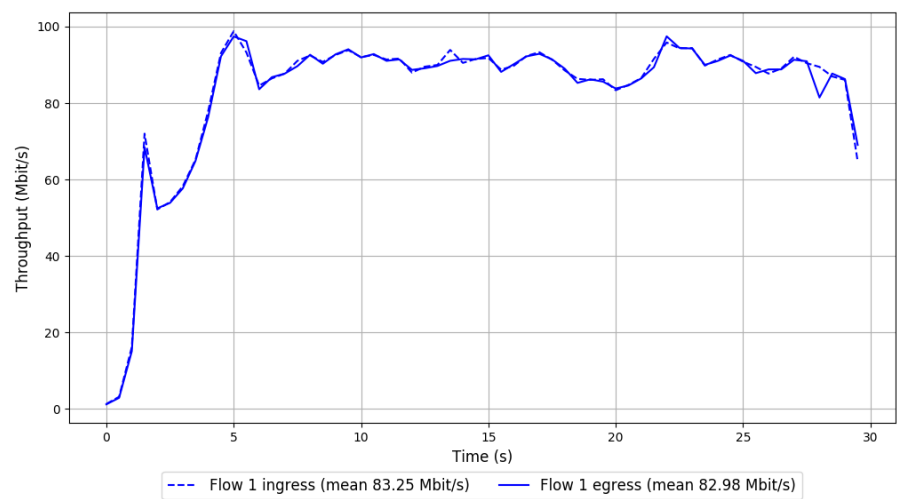
Run 9: Statistics of Vivace-latency

Start at: 2018-04-10 16:31:54  
End at: 2018-04-10 16:32:24  
Local clock offset: -0.261 ms  
Remote clock offset: -4.024 ms

# Below is generated by plot.py at 2018-04-10 18:03:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 82.98 Mbit/s  
95th percentile per-packet one-way delay: 36.636 ms  
Loss rate: 0.33%  
-- Flow 1:  
Average throughput: 82.98 Mbit/s  
95th percentile per-packet one-way delay: 36.636 ms  
Loss rate: 0.33%



Run 9: Report of Vivace-latency — Data Link

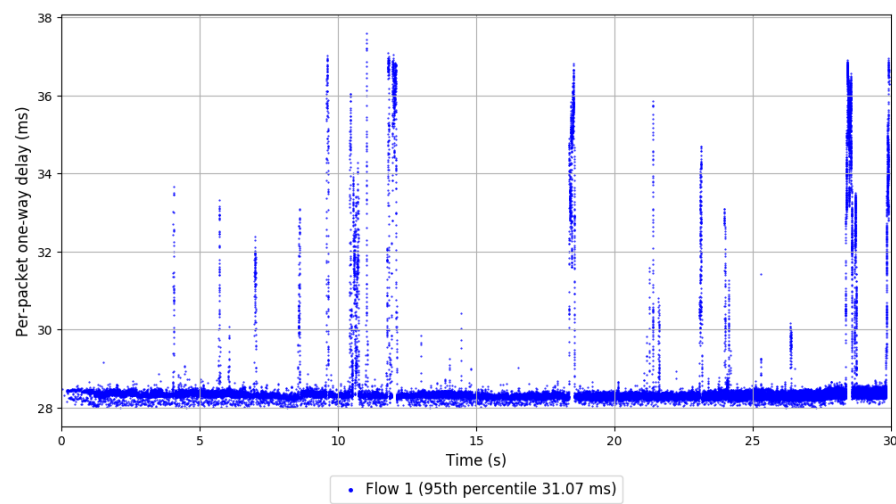
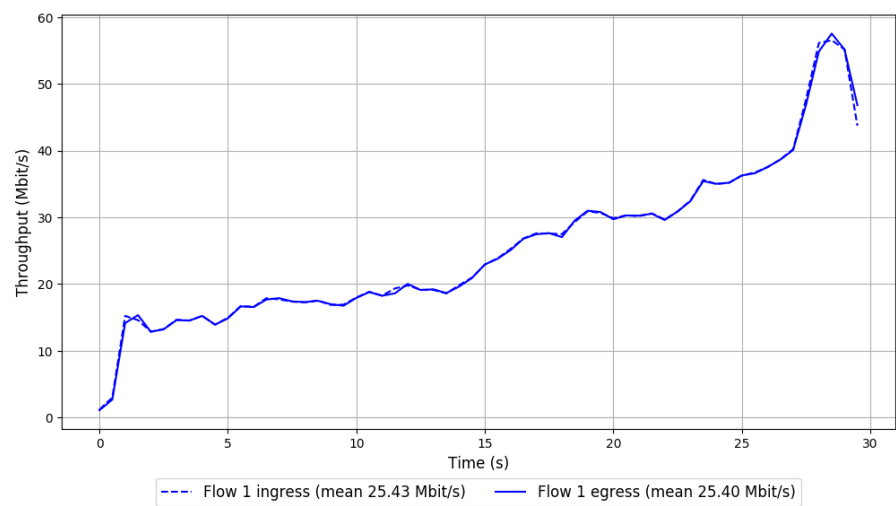


Run 10: Statistics of Vivace-latency

Start at: 2018-04-10 16:58:07  
End at: 2018-04-10 16:58:37  
Local clock offset: -0.513 ms  
Remote clock offset: -2.646 ms

# Below is generated by plot.py at 2018-04-10 18:03:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 25.40 Mbit/s  
95th percentile per-packet one-way delay: 31.069 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 25.40 Mbit/s  
95th percentile per-packet one-way delay: 31.069 ms  
Loss rate: 0.06%

Run 10: Report of Vivace-latency — Data Link

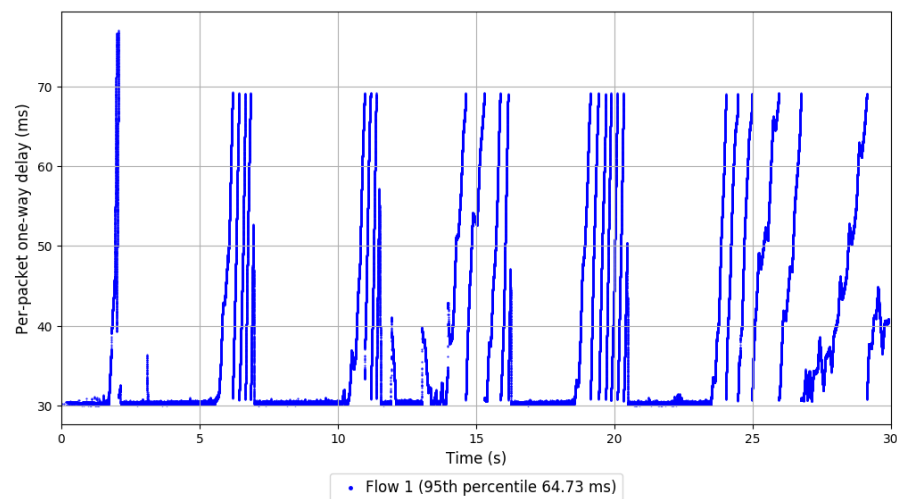
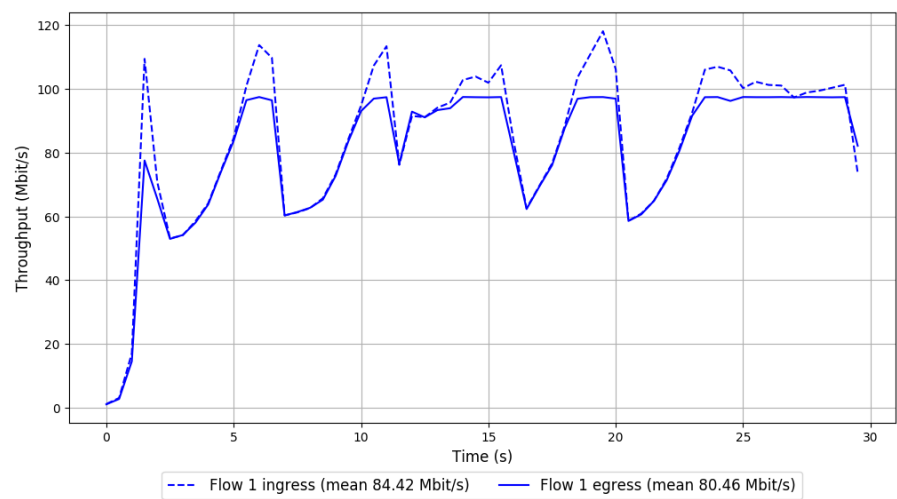


```
Run 1: Statistics of Vivace-loss

Start at: 2018-04-10 13:05:58
End at: 2018-04-10 13:06:28
Local clock offset: 0.062 ms
Remote clock offset: -3.859 ms

# Below is generated by plot.py at 2018-04-10 18:04:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.46 Mbit/s
95th percentile per-packet one-way delay: 64.727 ms
Loss rate: 4.66%
-- Flow 1:
Average throughput: 80.46 Mbit/s
95th percentile per-packet one-way delay: 64.727 ms
Loss rate: 4.66%
```

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-04-10 13:30:13

End at: 2018-04-10 13:30:43

Local clock offset: 0.114 ms

Remote clock offset: -3.292 ms

# Below is generated by plot.py at 2018-04-10 18:04:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 82.19 Mbit/s

95th percentile per-packet one-way delay: 63.024 ms

Loss rate: 5.04%

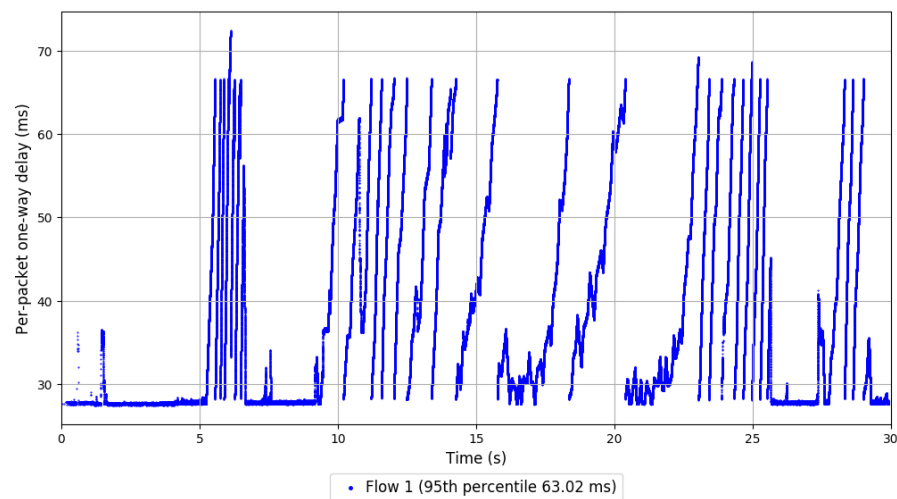
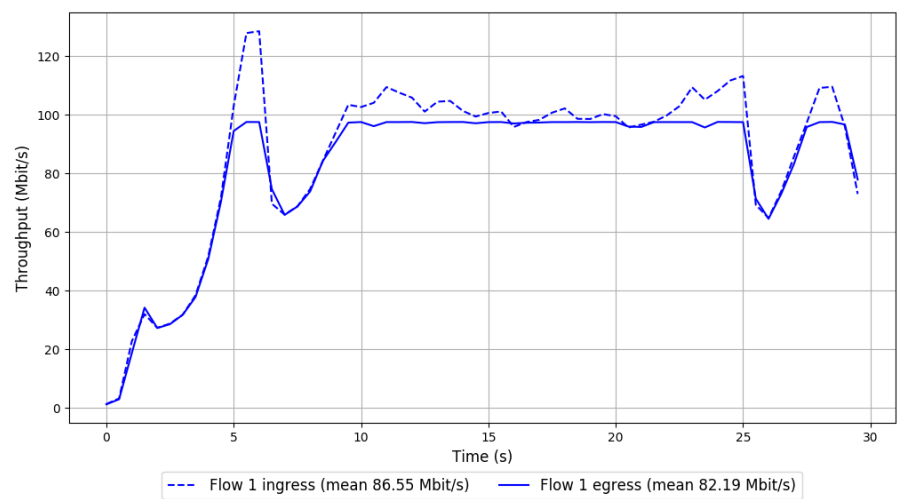
-- Flow 1:

Average throughput: 82.19 Mbit/s

95th percentile per-packet one-way delay: 63.024 ms

Loss rate: 5.04%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-04-10 13:54:24

End at: 2018-04-10 13:54:54

Local clock offset: 0.11 ms

Remote clock offset: -5.308 ms

# Below is generated by plot.py at 2018-04-10 18:04:43

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.47 Mbit/s

95th percentile per-packet one-way delay: 63.984 ms

Loss rate: 5.17%

-- Flow 1:

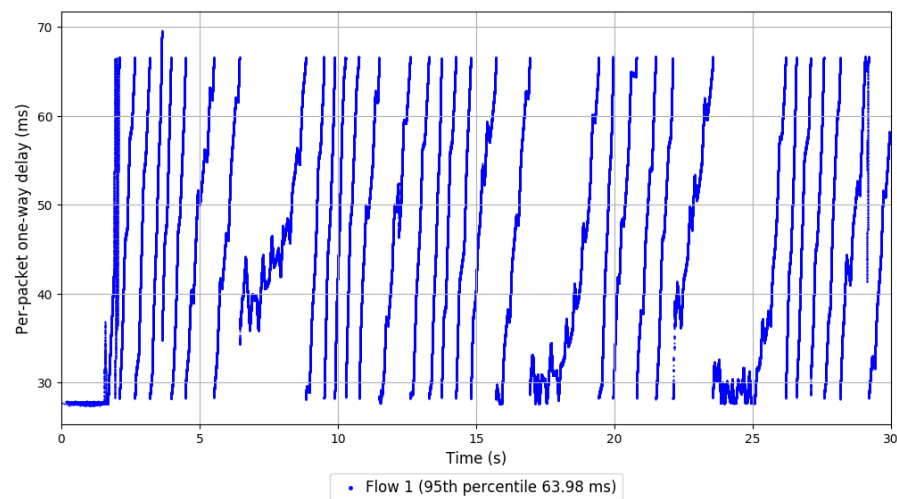
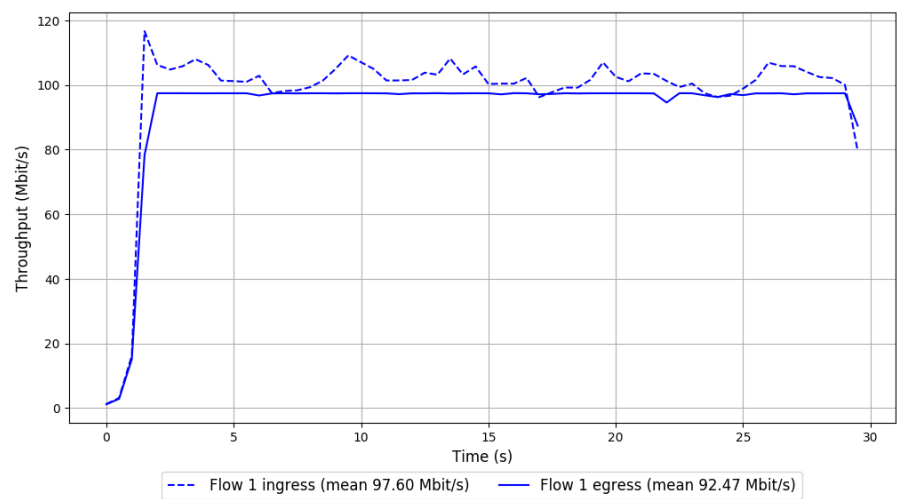
Average throughput: 92.47 Mbit/s

95th percentile per-packet one-way delay: 63.984 ms

Loss rate: 5.17%



Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-04-10 14:18:38

End at: 2018-04-10 14:19:08

Local clock offset: 0.151 ms

Remote clock offset: -2.367 ms

# Below is generated by plot.py at 2018-04-10 18:04:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 85.82 Mbit/s

95th percentile per-packet one-way delay: 66.925 ms

Loss rate: 7.04%

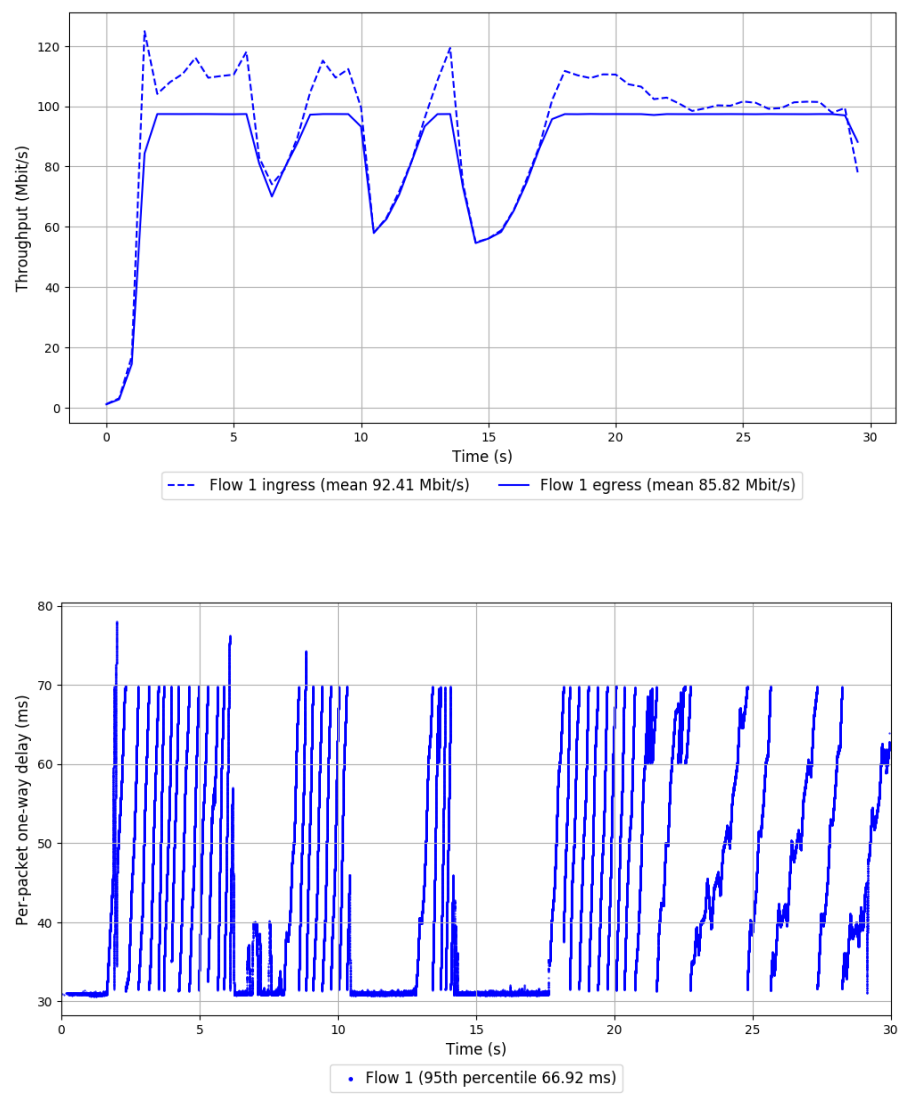
-- Flow 1:

Average throughput: 85.82 Mbit/s

95th percentile per-packet one-way delay: 66.925 ms

Loss rate: 7.04%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-04-10 14:43:18

End at: 2018-04-10 14:43:48

Local clock offset: 0.167 ms

Remote clock offset: -1.639 ms

# Below is generated by plot.py at 2018-04-10 18:04:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.91 Mbit/s

95th percentile per-packet one-way delay: 66.285 ms

Loss rate: 4.29%

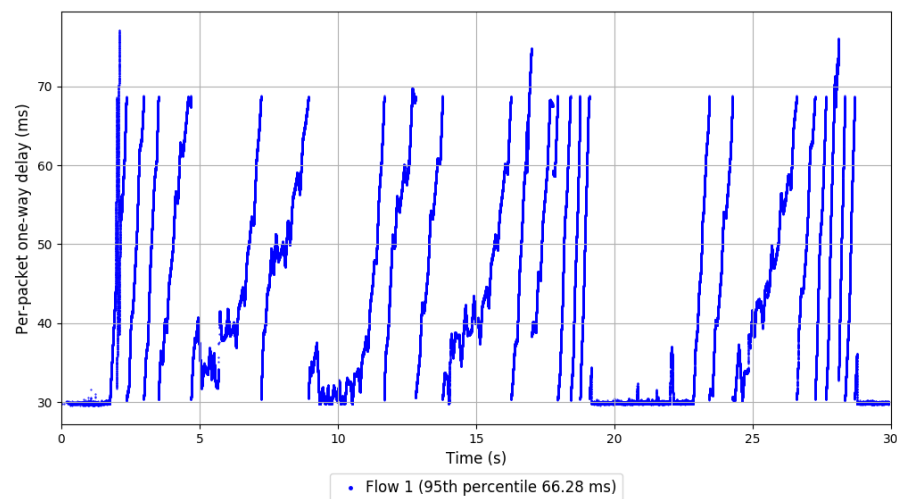
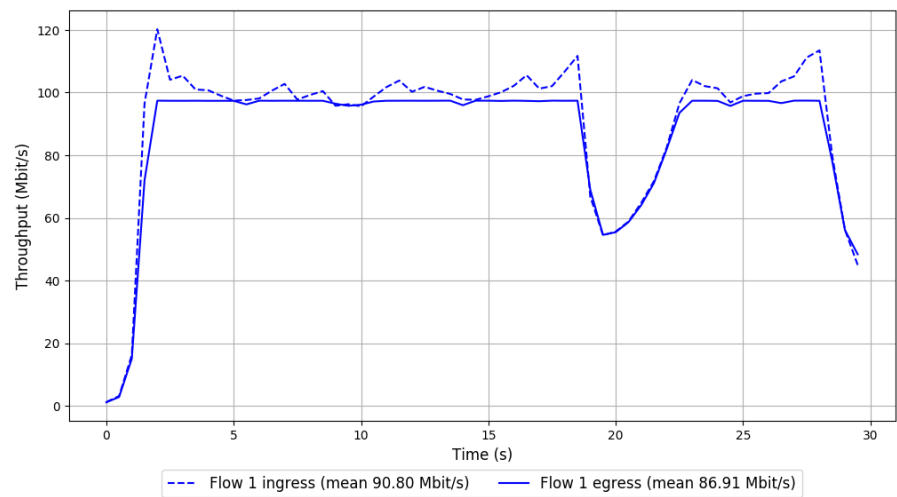
-- Flow 1:

Average throughput: 86.91 Mbit/s

95th percentile per-packet one-way delay: 66.285 ms

Loss rate: 4.29%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-04-10 15:07:56

End at: 2018-04-10 15:08:26

Local clock offset: 0.072 ms

Remote clock offset: -2.033 ms

# Below is generated by plot.py at 2018-04-10 18:05:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.31 Mbit/s

95th percentile per-packet one-way delay: 66.570 ms

Loss rate: 3.55%

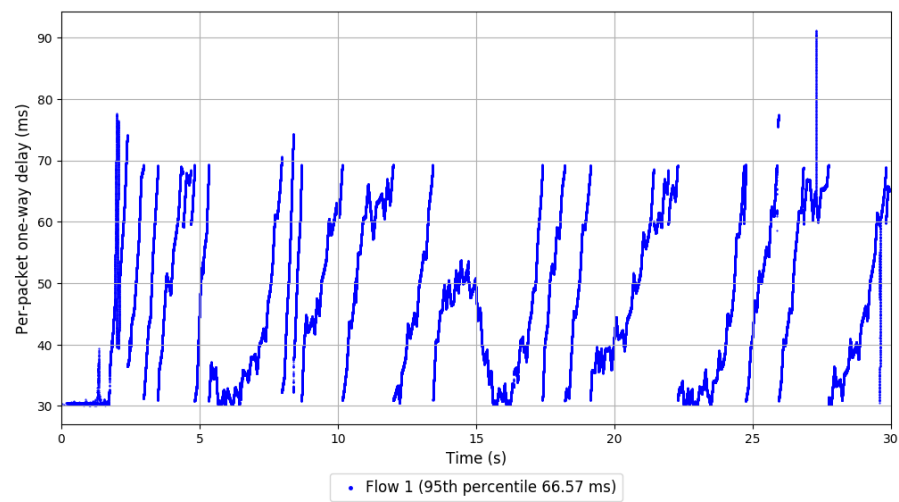
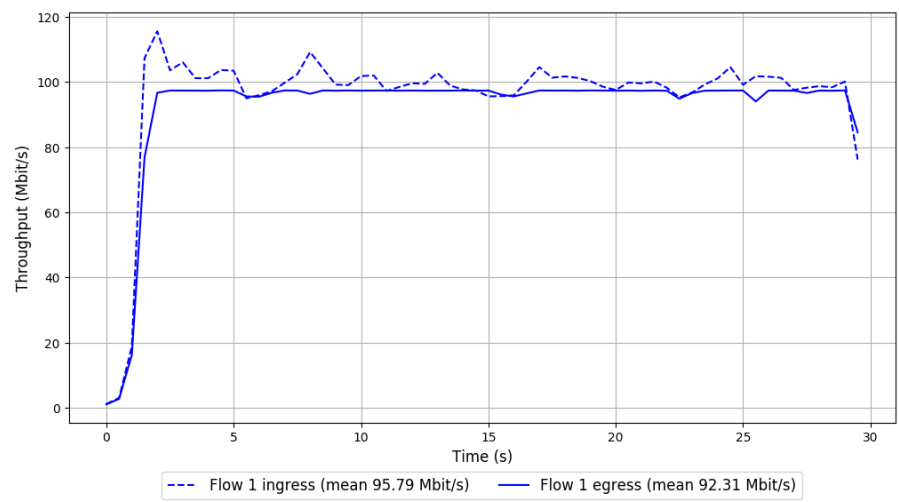
-- Flow 1:

Average throughput: 92.31 Mbit/s

95th percentile per-packet one-way delay: 66.570 ms

Loss rate: 3.55%

Run 6: Report of Vivace-loss — Data Link



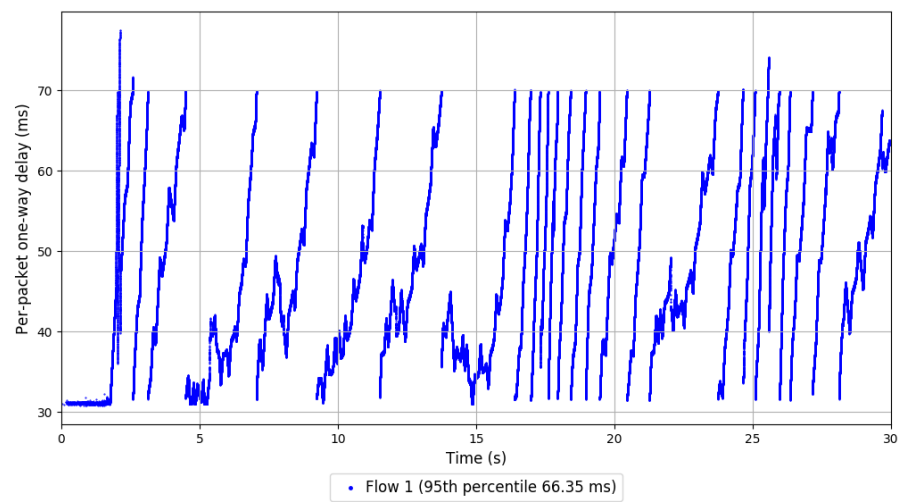
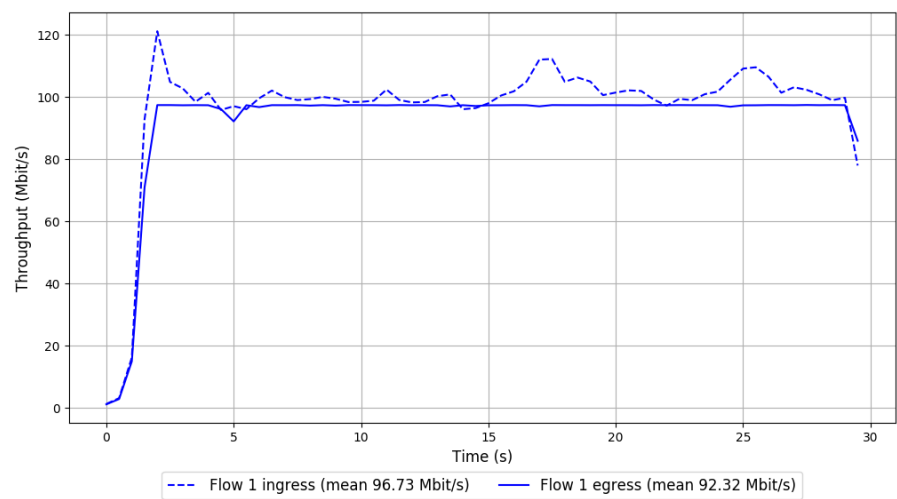
Run 7: Statistics of Vivace-loss

Start at: 2018-04-10 15:32:25  
End at: 2018-04-10 15:32:55  
Local clock offset: 0.146 ms  
Remote clock offset: -1.526 ms

# Below is generated by plot.py at 2018-04-10 18:05:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.32 Mbit/s  
95th percentile per-packet one-way delay: 66.348 ms  
Loss rate: 4.49%  
-- Flow 1:  
Average throughput: 92.32 Mbit/s  
95th percentile per-packet one-way delay: 66.348 ms  
Loss rate: 4.49%



Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-04-10 15:57:18

End at: 2018-04-10 15:57:48

Local clock offset: 0.222 ms

Remote clock offset: -2.194 ms

# Below is generated by plot.py at 2018-04-10 18:05:11

# Datalink statistics

-- Total of 1 flow:

Average throughput: 82.90 Mbit/s

95th percentile per-packet one-way delay: 65.847 ms

Loss rate: 5.96%

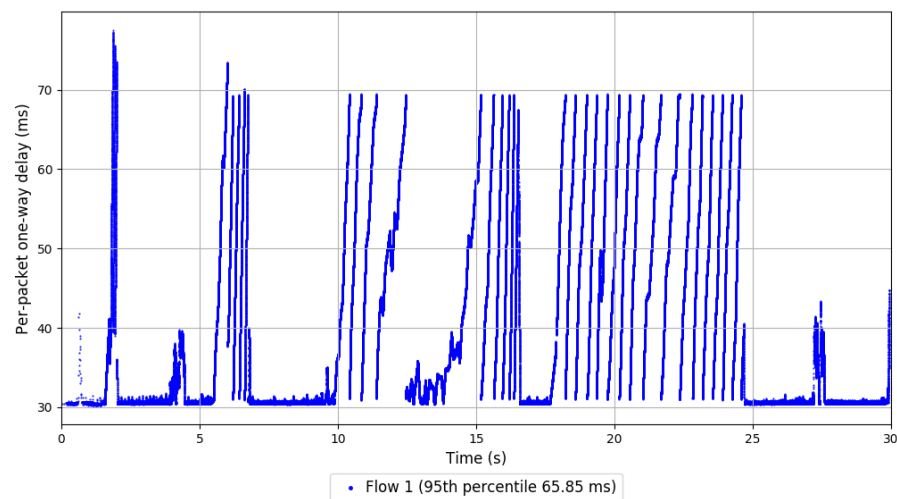
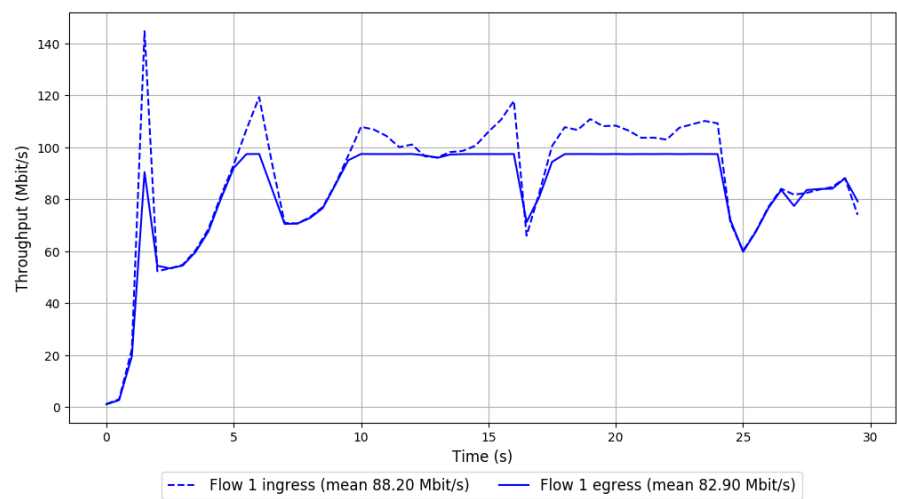
-- Flow 1:

Average throughput: 82.90 Mbit/s

95th percentile per-packet one-way delay: 65.847 ms

Loss rate: 5.96%

Run 8: Report of Vivace-loss — Data Link

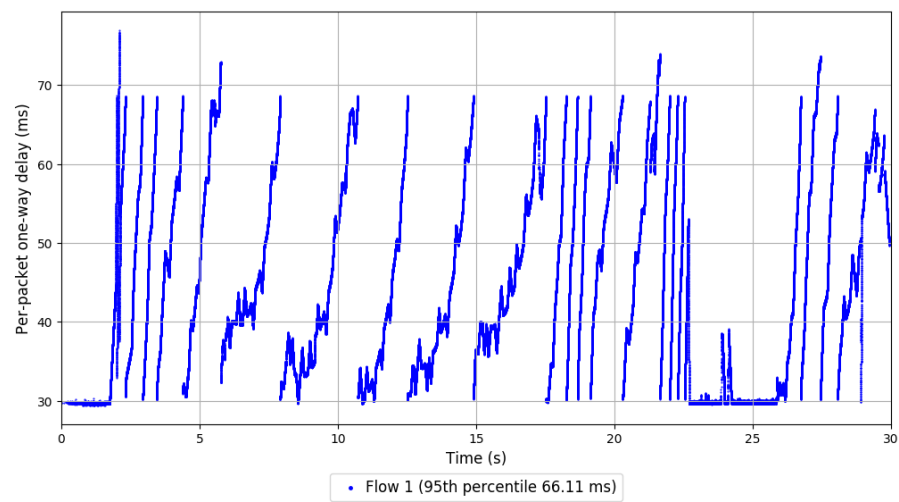
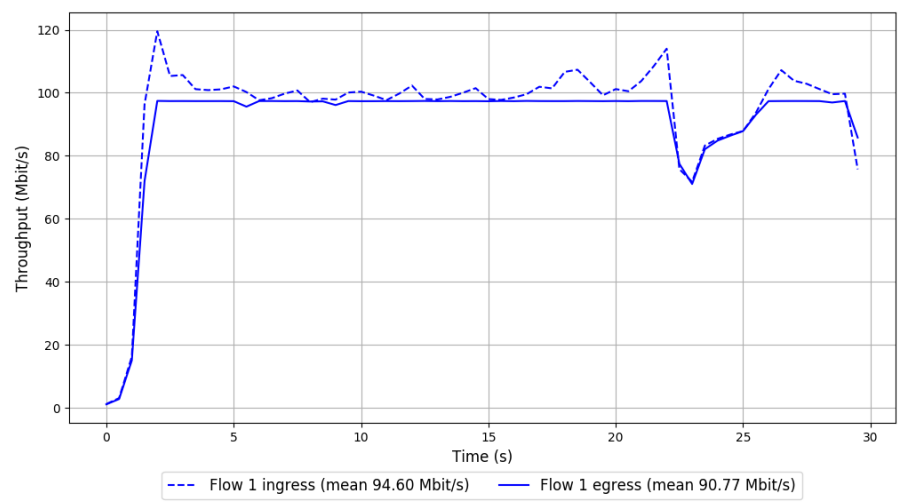


Run 9: Statistics of Vivace-loss

Start at: 2018-04-10 16:23:32  
End at: 2018-04-10 16:24:02  
Local clock offset: -0.107 ms  
Remote clock offset: -2.682 ms

# Below is generated by plot.py at 2018-04-10 18:05:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.77 Mbit/s  
95th percentile per-packet one-way delay: 66.113 ms  
Loss rate: 3.98%  
-- Flow 1:  
Average throughput: 90.77 Mbit/s  
95th percentile per-packet one-way delay: 66.113 ms  
Loss rate: 3.98%

Run 9: Report of Vivace-loss — Data Link

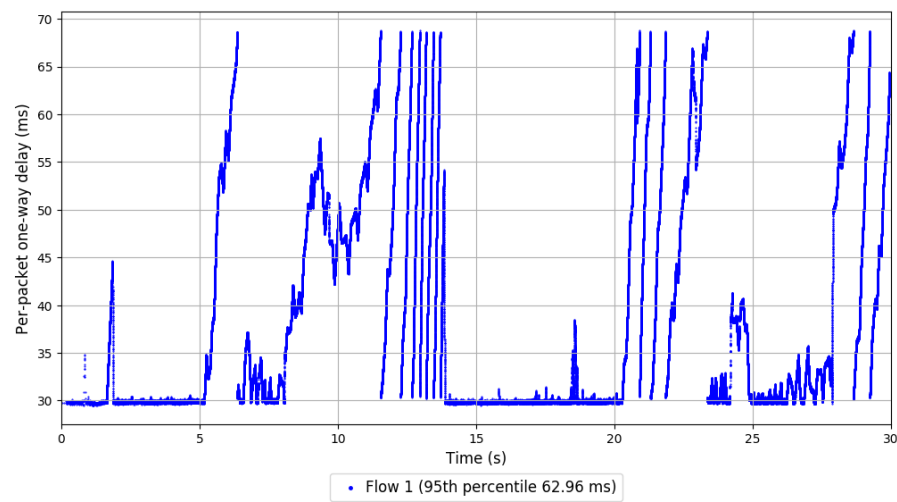
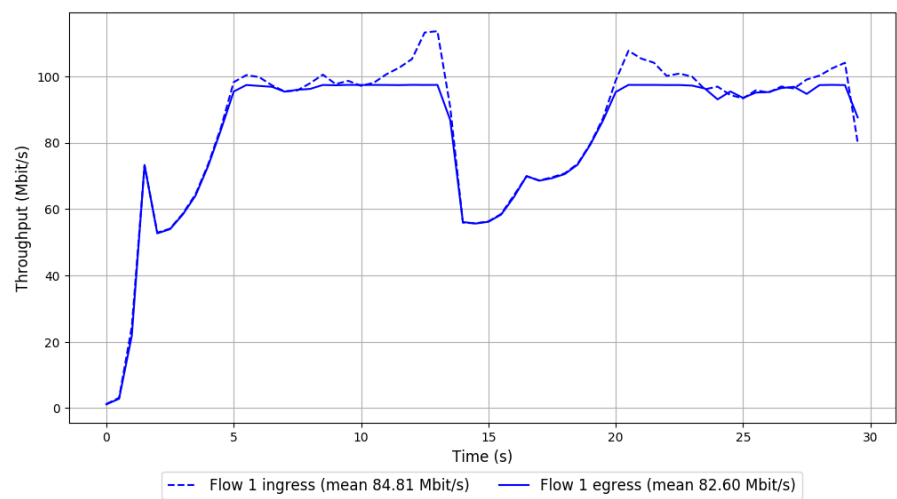


Run 10: Statistics of Vivace-loss

Start at: 2018-04-10 16:48:35  
End at: 2018-04-10 16:49:05  
Local clock offset: -0.413 ms  
Remote clock offset: -0.795 ms

# Below is generated by plot.py at 2018-04-10 18:05:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 82.60 Mbit/s  
95th percentile per-packet one-way delay: 62.963 ms  
Loss rate: 2.51%  
-- Flow 1:  
Average throughput: 82.60 Mbit/s  
95th percentile per-packet one-way delay: 62.963 ms  
Loss rate: 2.51%

Run 10: Report of Vivace-loss — Data Link



Run 1: Statistics of Vivace-LTE

Start at: 2018-04-10 13:11:22

End at: 2018-04-10 13:11:52

Local clock offset: 0.157 ms

Remote clock offset: -2.722 ms

# Below is generated by plot.py at 2018-04-10 18:06:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 89.90 Mbit/s

95th percentile per-packet one-way delay: 46.979 ms

Loss rate: 0.85%

-- Flow 1:

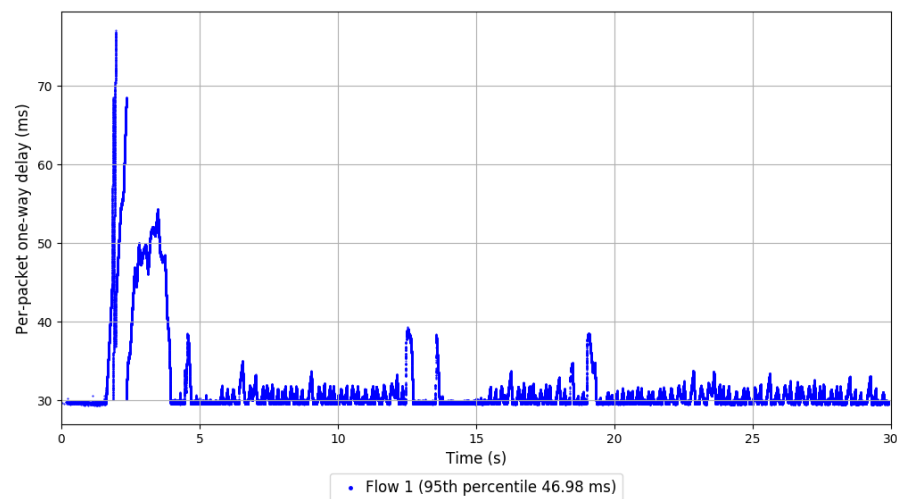
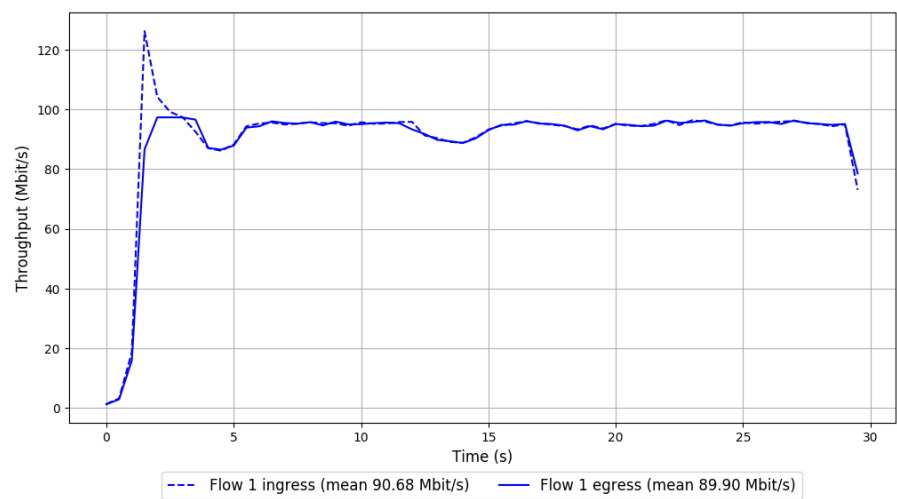
Average throughput: 89.90 Mbit/s

95th percentile per-packet one-way delay: 46.979 ms

Loss rate: 0.85%



Run 1: Report of Vivace-LTE — Data Link

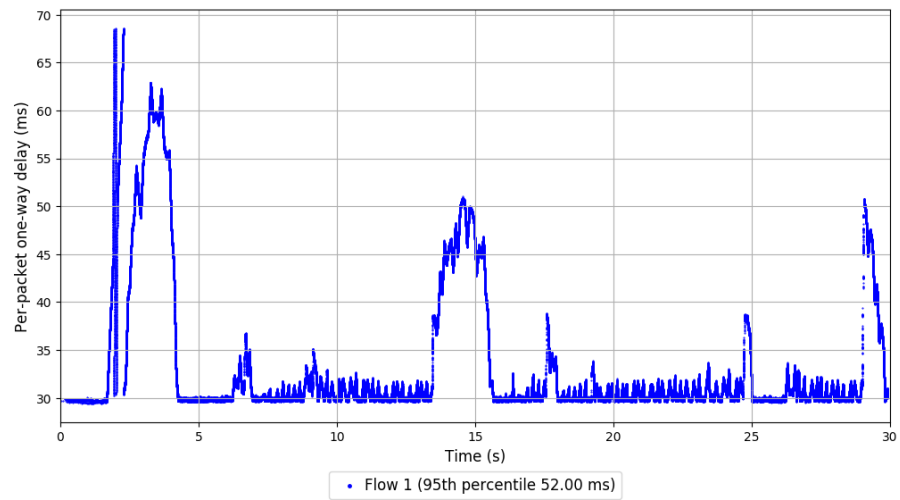
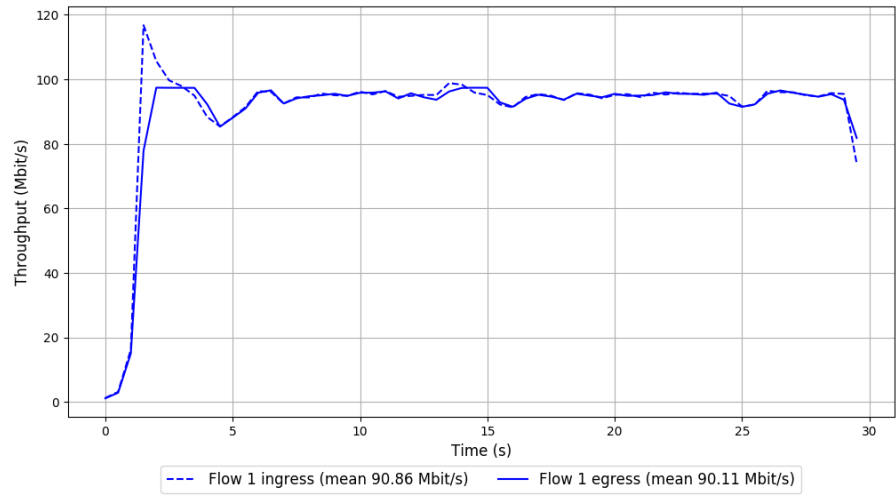


Run 2: Statistics of Vivace-LTE

Start at: 2018-04-10 13:35:45  
End at: 2018-04-10 13:36:15  
Local clock offset: 0.197 ms  
Remote clock offset: -1.055 ms

# Below is generated by plot.py at 2018-04-10 18:06:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.11 Mbit/s  
95th percentile per-packet one-way delay: 52.004 ms  
Loss rate: 0.83%  
-- Flow 1:  
Average throughput: 90.11 Mbit/s  
95th percentile per-packet one-way delay: 52.004 ms  
Loss rate: 0.83%

## Run 2: Report of Vivace-LTE — Data Link

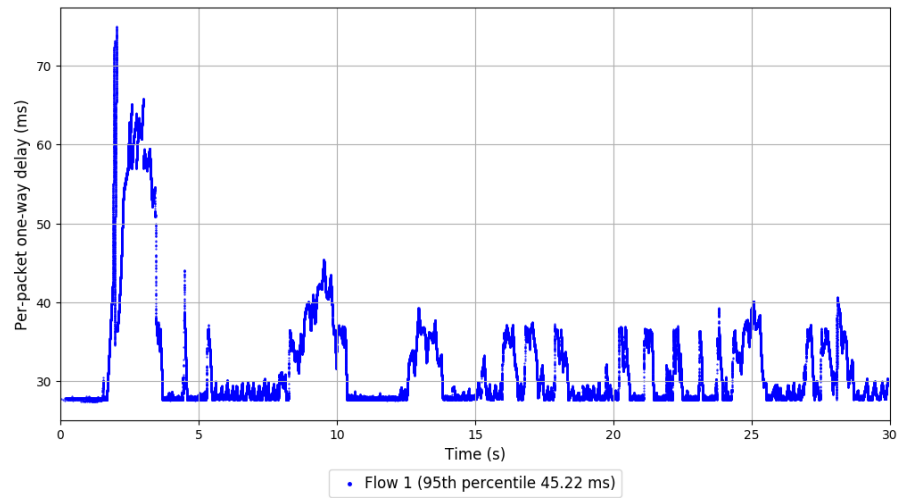
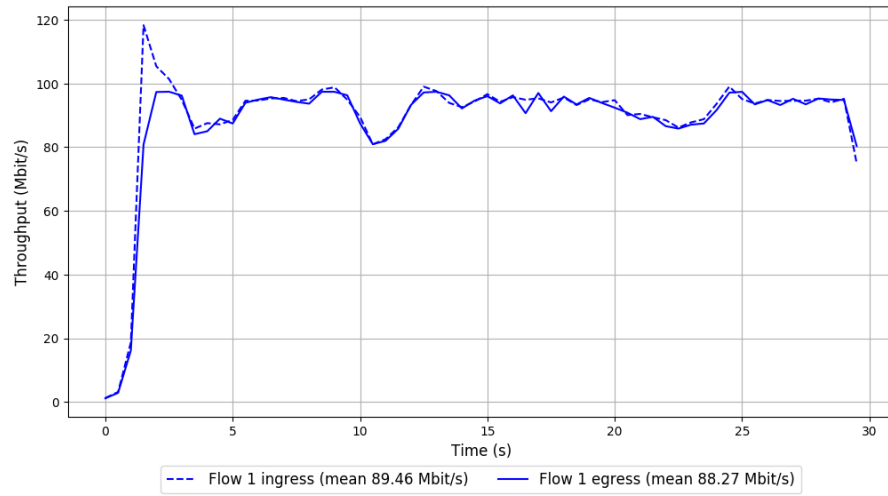


Run 3: Statistics of Vivace-LTE

Start at: 2018-04-10 13:59:47  
End at: 2018-04-10 14:00:17  
Local clock offset: 0.095 ms  
Remote clock offset: -5.539 ms

# Below is generated by plot.py at 2018-04-10 18:06:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.27 Mbit/s  
95th percentile per-packet one-way delay: 45.221 ms  
Loss rate: 1.32%  
-- Flow 1:  
Average throughput: 88.27 Mbit/s  
95th percentile per-packet one-way delay: 45.221 ms  
Loss rate: 1.32%

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

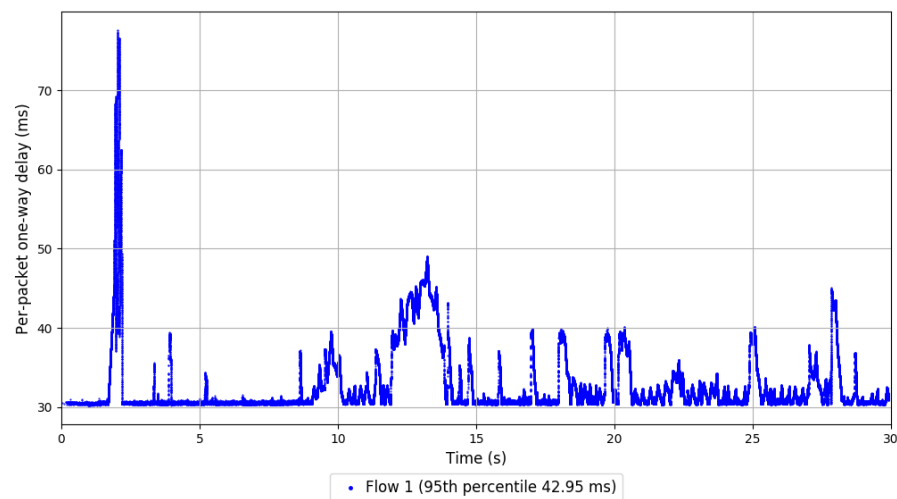
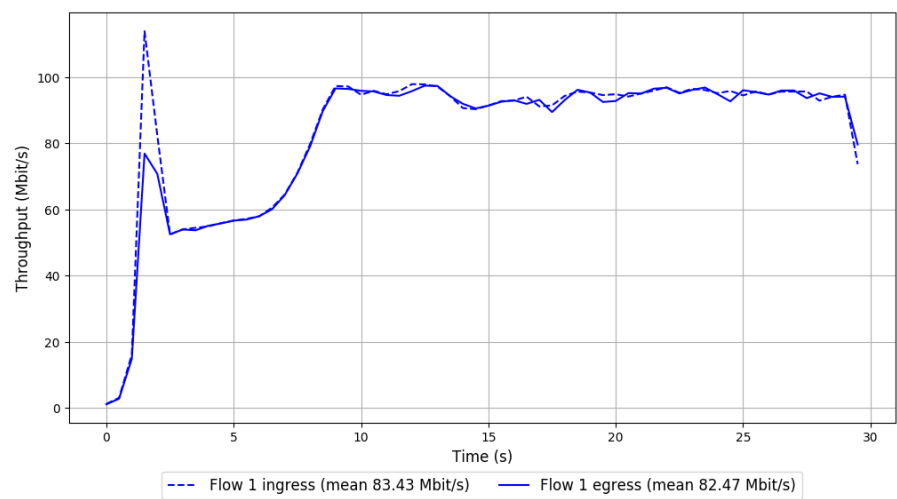


Run 4: Statistics of Vivace-LTE

Start at: 2018-04-10 14:24:03  
End at: 2018-04-10 14:24:33  
Local clock offset: 0.271 ms  
Remote clock offset: -2.328 ms

# Below is generated by plot.py at 2018-04-10 18:06:26  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 82.47 Mbit/s  
95th percentile per-packet one-way delay: 42.955 ms  
Loss rate: 1.15%  
-- Flow 1:  
Average throughput: 82.47 Mbit/s  
95th percentile per-packet one-way delay: 42.955 ms  
Loss rate: 1.15%

Run 4: Report of Vivace-LTE — Data Link



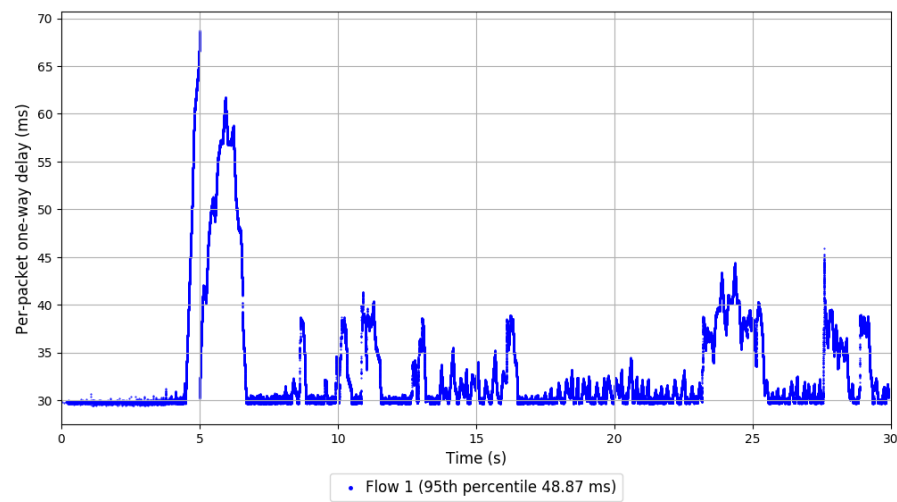
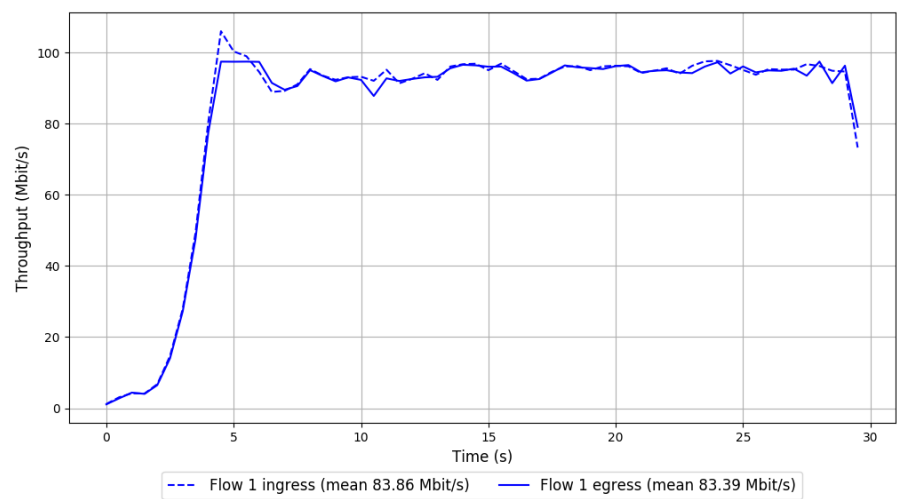
Run 5: Statistics of Vivace-LTE

Start at: 2018-04-10 14:48:46  
End at: 2018-04-10 14:49:16  
Local clock offset: 0.2 ms  
Remote clock offset: -1.815 ms

# Below is generated by plot.py at 2018-04-10 18:06:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 83.39 Mbit/s  
95th percentile per-packet one-way delay: 48.874 ms  
Loss rate: 0.55%  
-- Flow 1:  
Average throughput: 83.39 Mbit/s  
95th percentile per-packet one-way delay: 48.874 ms  
Loss rate: 0.55%



Run 5: Report of Vivace-LTE — Data Link

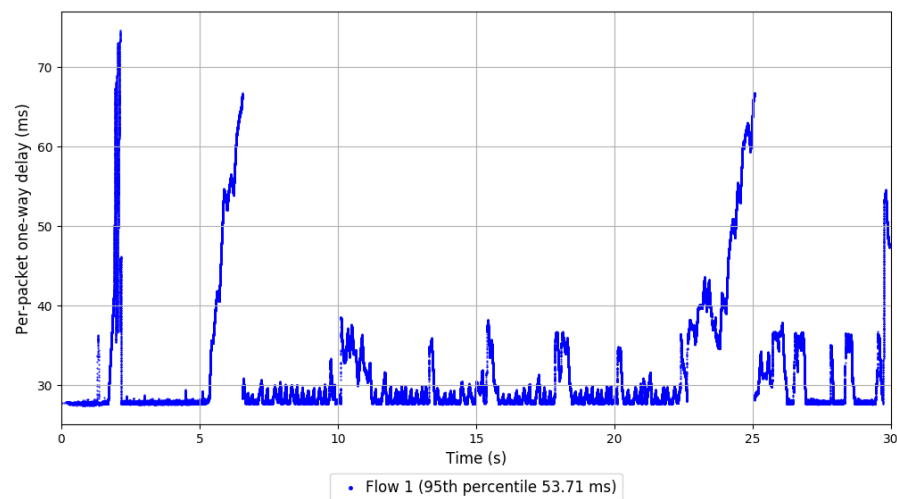
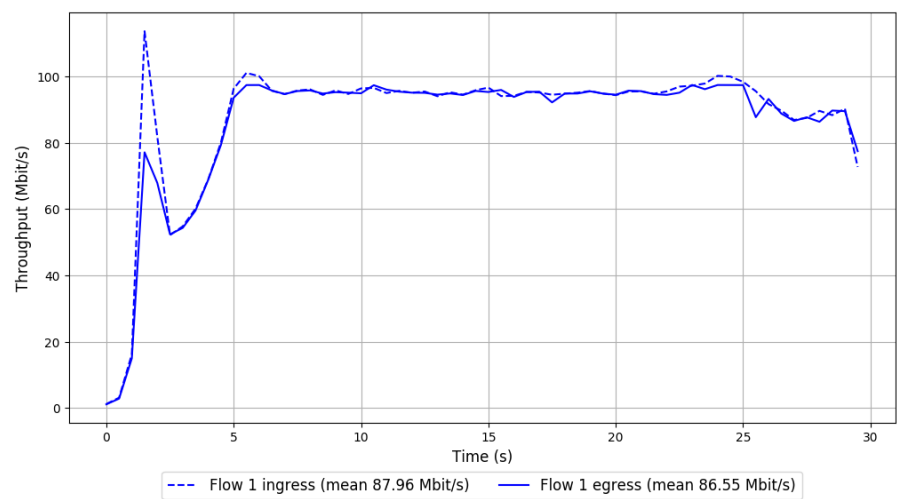


Run 6: Statistics of Vivace-LTE

Start at: 2018-04-10 15:13:19  
End at: 2018-04-10 15:13:49  
Local clock offset: -0.058 ms  
Remote clock offset: -4.092 ms

# Below is generated by plot.py at 2018-04-10 18:06:37  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 86.55 Mbit/s  
95th percentile per-packet one-way delay: 53.713 ms  
Loss rate: 1.54%  
-- Flow 1:  
Average throughput: 86.55 Mbit/s  
95th percentile per-packet one-way delay: 53.713 ms  
Loss rate: 1.54%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-04-10 15:38:06

End at: 2018-04-10 15:38:36

Local clock offset: 0.239 ms

Remote clock offset: -4.1 ms

# Below is generated by plot.py at 2018-04-10 18:06:43

# Datalink statistics

-- Total of 1 flow:

Average throughput: 74.97 Mbit/s

95th percentile per-packet one-way delay: 36.581 ms

Loss rate: 0.63%

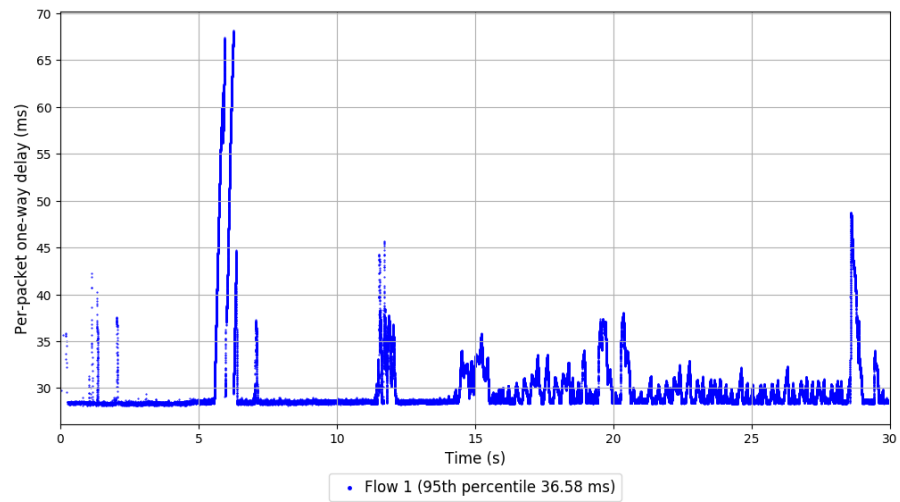
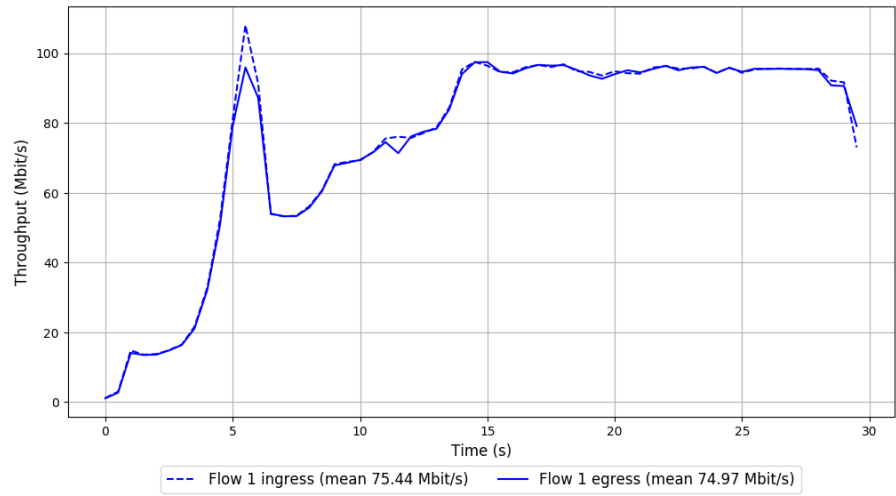
-- Flow 1:

Average throughput: 74.97 Mbit/s

95th percentile per-packet one-way delay: 36.581 ms

Loss rate: 0.63%

### Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-04-10 16:02:57

End at: 2018-04-10 16:03:27

Local clock offset: 0.105 ms

Remote clock offset: -1.967 ms

# Below is generated by plot.py at 2018-04-10 18:06:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 85.86 Mbit/s

95th percentile per-packet one-way delay: 37.327 ms

Loss rate: 1.24%

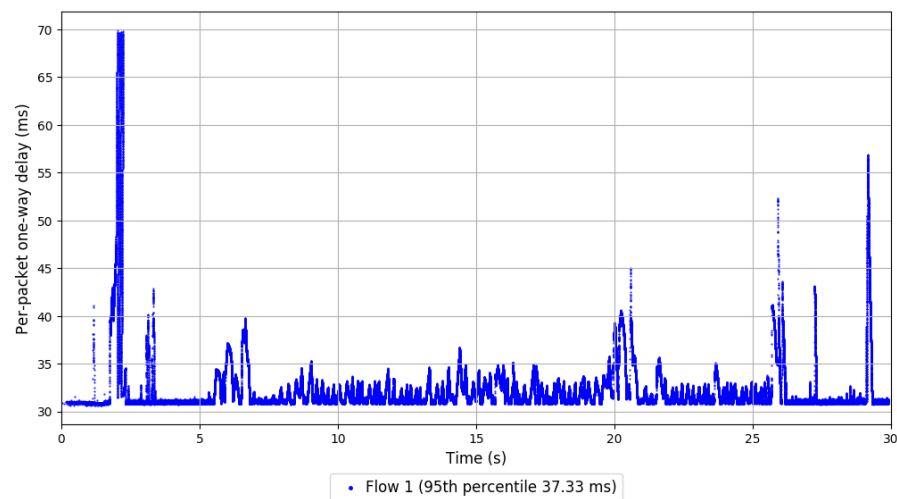
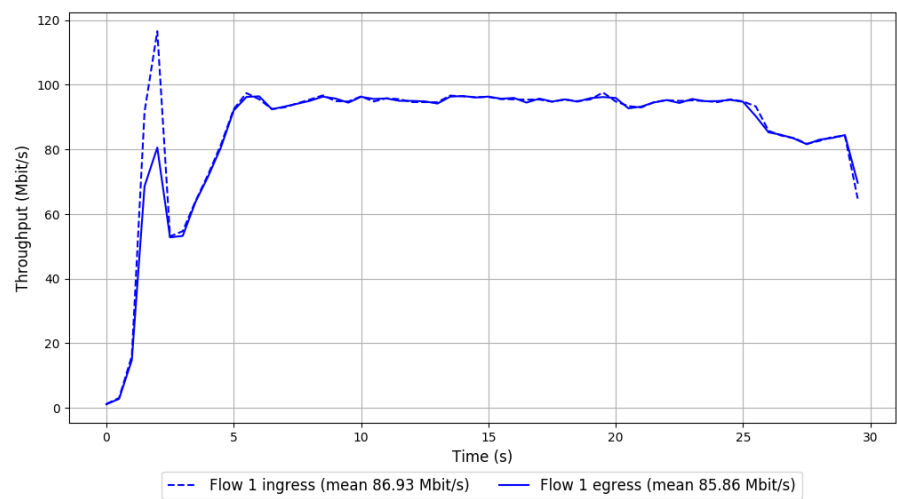
-- Flow 1:

Average throughput: 85.86 Mbit/s

95th percentile per-packet one-way delay: 37.327 ms

Loss rate: 1.24%

Run 8: Report of Vivace-LTE — Data Link



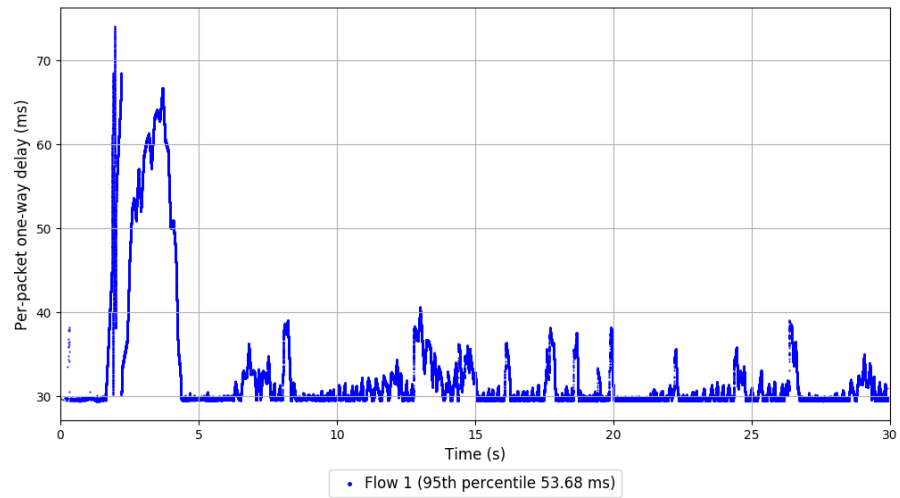
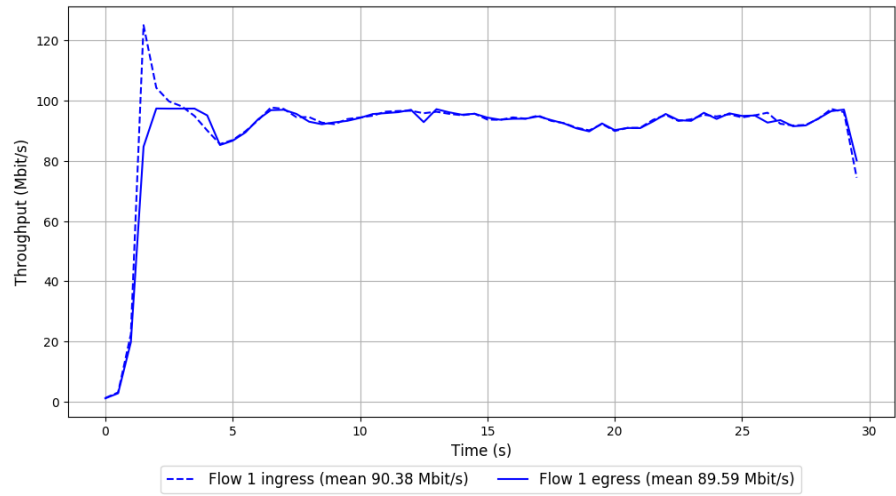
Run 9: Statistics of Vivace-LTE

Start at: 2018-04-10 16:29:08  
End at: 2018-04-10 16:29:38  
Local clock offset: -0.181 ms  
Remote clock offset: -2.499 ms

# Below is generated by plot.py at 2018-04-10 18:06:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.59 Mbit/s  
95th percentile per-packet one-way delay: 53.680 ms  
Loss rate: 0.87%  
-- Flow 1:  
Average throughput: 89.59 Mbit/s  
95th percentile per-packet one-way delay: 53.680 ms  
Loss rate: 0.87%



### Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-04-10 16:54:41

End at: 2018-04-10 16:55:11

Local clock offset: -0.496 ms

Remote clock offset: -0.19 ms

# Below is generated by plot.py at 2018-04-10 18:06:52

# Datalink statistics

-- Total of 1 flow:

Average throughput: 80.07 Mbit/s

95th percentile per-packet one-way delay: 53.520 ms

Loss rate: 1.61%

-- Flow 1:

Average throughput: 80.07 Mbit/s

95th percentile per-packet one-way delay: 53.520 ms

Loss rate: 1.61%

# Run 10: Report of Vivace-LTE — Data Link

