

Pantheon Report

Generated at 2017-11-30 15:17:25 (UTC).

Data path: AWS India 1 Ethernet (*local*) → India Ethernet (*remote*).

Repeated the test of 14 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).

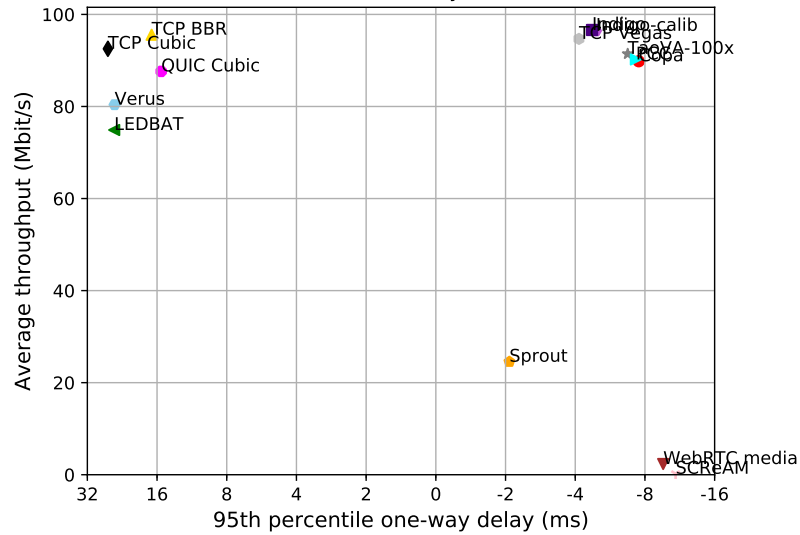
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against **nets.org.sg** and have been applied to correct the timestamps in logs.

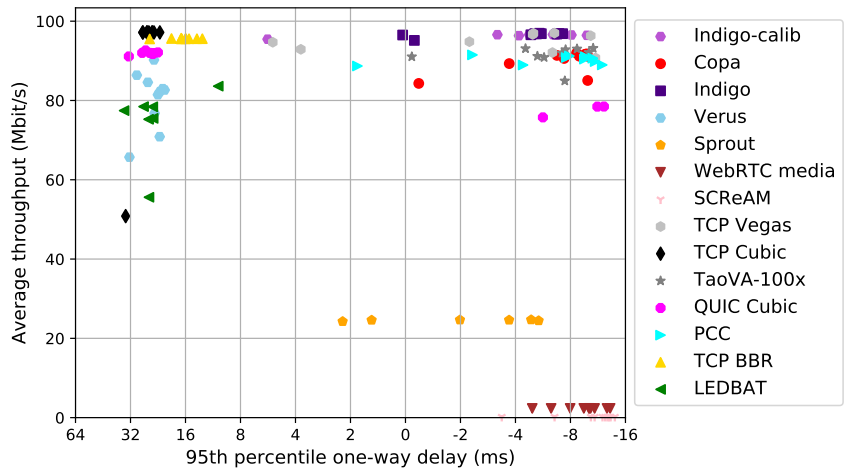
Git summary:

```
branch: indigos @ e3a57ad5ac5cfcaca0e3f983c8dd4cc3509e0262
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ b5b7c38e8391001927dc41c6cfa2627d03dde737
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906edff4876d5a7e5bfff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fab936fdca204b80db
third_party/indigo-no-send-rate @ b39dfa6b2c5f19cb7cd89626cb4f5bb81f9fecda
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaaeb30b267cde681
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/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from AWS India 1 Ethernet to India Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from AWS India 1 Ethernet to India Ethernet, 10 runs of 30s each per scheme



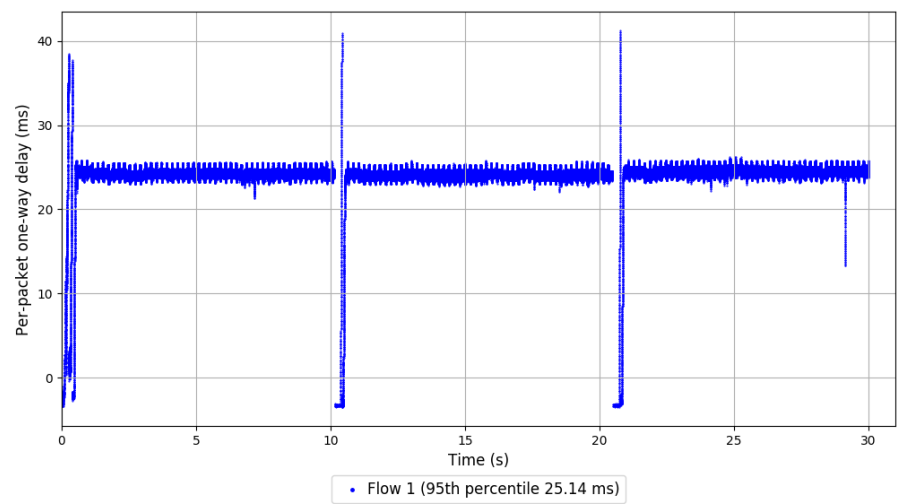
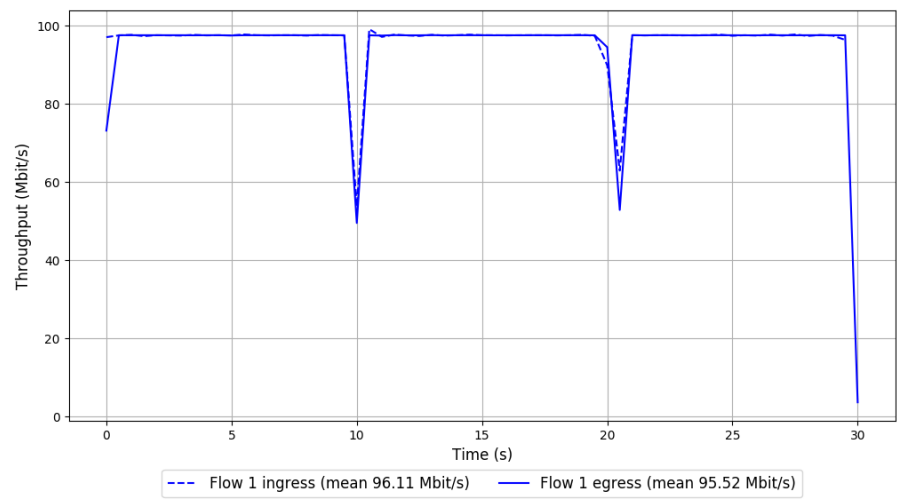
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	95.59	16.89	0.55
TCP Cubic	10	92.53	26.08	0.34
LEDBAT	7	74.89	24.51	0.13
PCC	10	90.21	-7.31	0.28
QUIC Cubic	10	87.62	15.35	0.35
SCReAM	10	0.21	-10.85	0.00
WebRTC media	10	2.33	-9.59	0.00
Sprout	6	24.55	-2.08	0.00
TaoVA-100x	10	91.43	-6.74	0.01
TCP Vegas	9	94.69	-4.15	0.10
Verus	10	80.39	24.41	19.29
Copa	10	89.82	-7.52	0.00
Indigo	10	96.62	-4.73	0.00
Indigo-calib	10	96.43	-4.91	0.00

Run 1: Statistics of TCP BBR

Start at: 2017-11-30 12:03:36
End at: 2017-11-30 12:04:07
Local clock offset: -2.376 ms
Remote clock offset: -16.693 ms

Below is generated by plot.py at 2017-11-30 14:57:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.52 Mbit/s
95th percentile per-packet one-way delay: 25.140 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 95.52 Mbit/s
95th percentile per-packet one-way delay: 25.140 ms
Loss rate: 0.52%

Run 1: Report of TCP BBR — Data Link

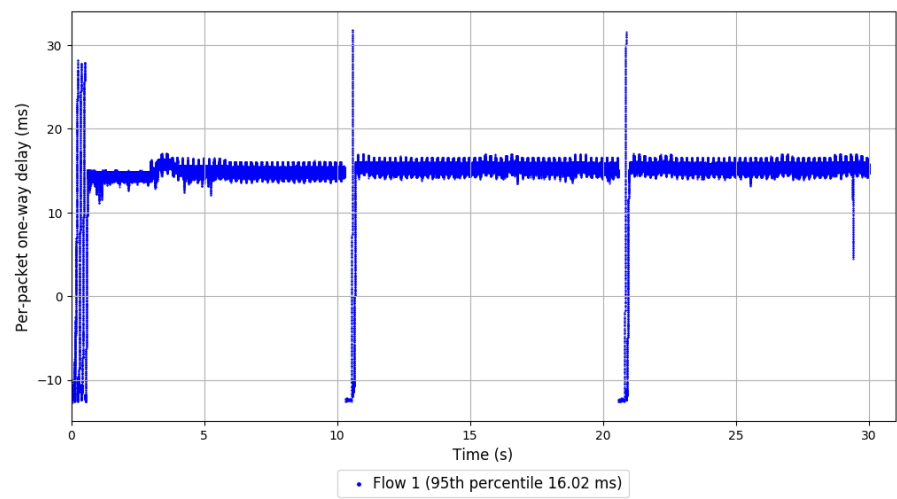
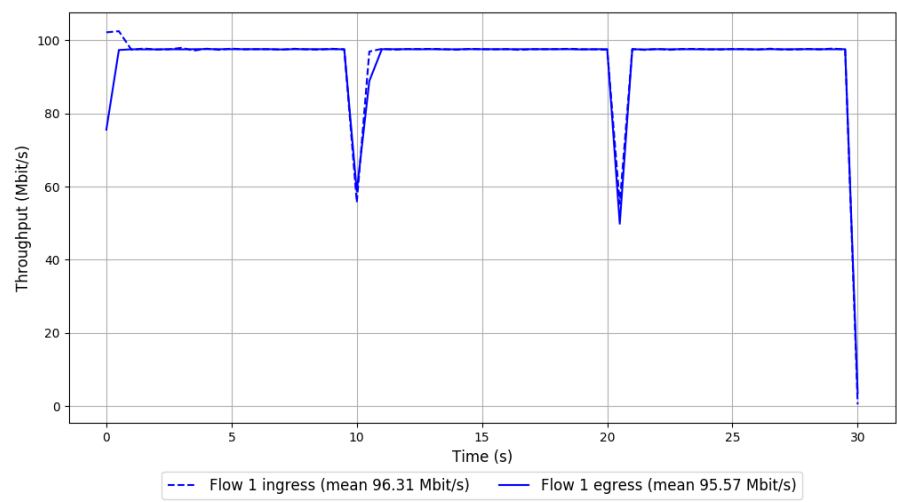


Run 2: Statistics of TCP BBR

Start at: 2017-11-30 12:20:10
End at: 2017-11-30 12:20:40
Local clock offset: -1.302 ms
Remote clock offset: -24.053 ms

Below is generated by plot.py at 2017-11-30 14:57:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.57 Mbit/s
95th percentile per-packet one-way delay: 16.023 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 95.57 Mbit/s
95th percentile per-packet one-way delay: 16.023 ms
Loss rate: 0.68%

Run 2: Report of TCP BBR — Data Link

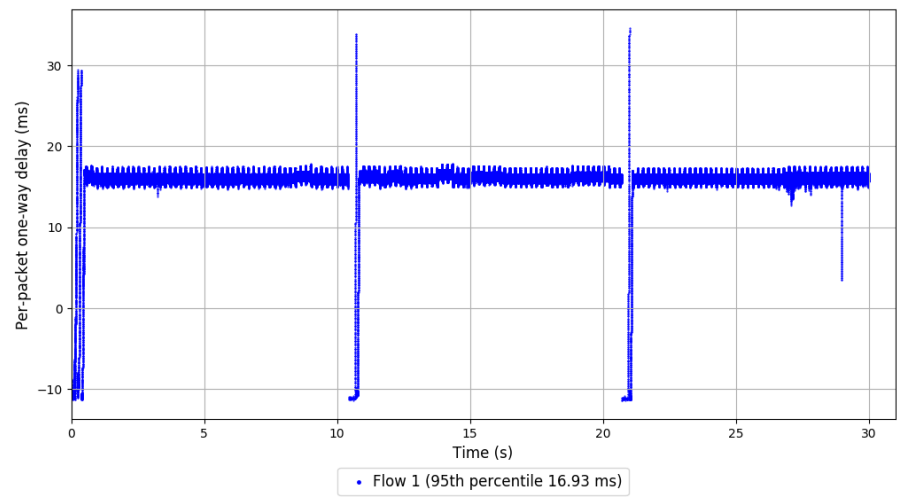
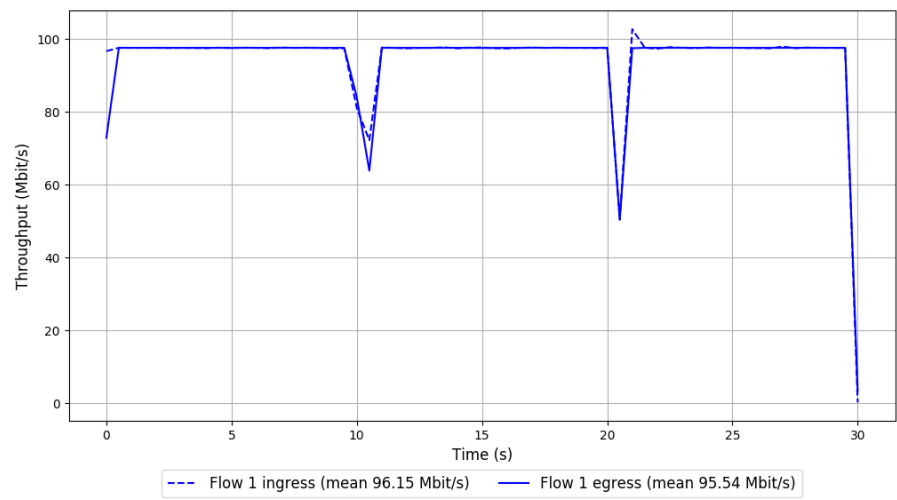


Run 3: Statistics of TCP BBR

Start at: 2017-11-30 12:37:10
End at: 2017-11-30 12:37:40
Local clock offset: -4.37 ms
Remote clock offset: -24.626 ms

Below is generated by plot.py at 2017-11-30 14:57:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.54 Mbit/s
95th percentile per-packet one-way delay: 16.927 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 95.54 Mbit/s
95th percentile per-packet one-way delay: 16.927 ms
Loss rate: 0.54%

Run 3: Report of TCP BBR — Data Link

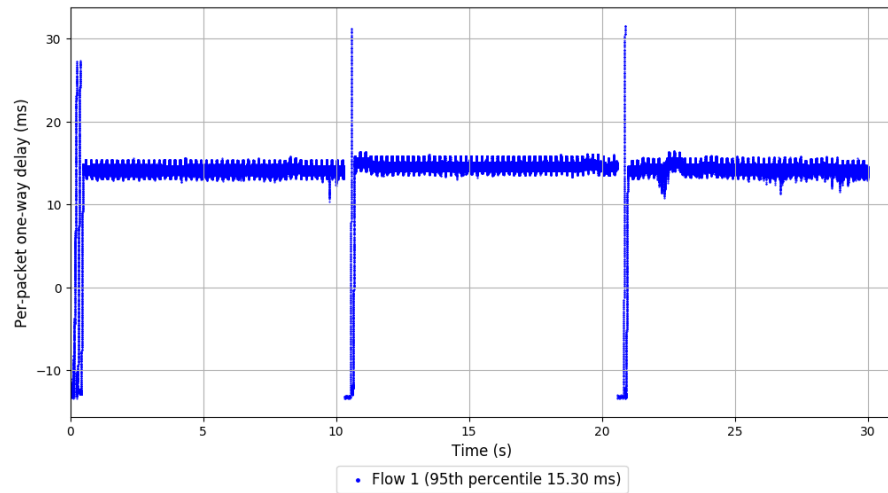
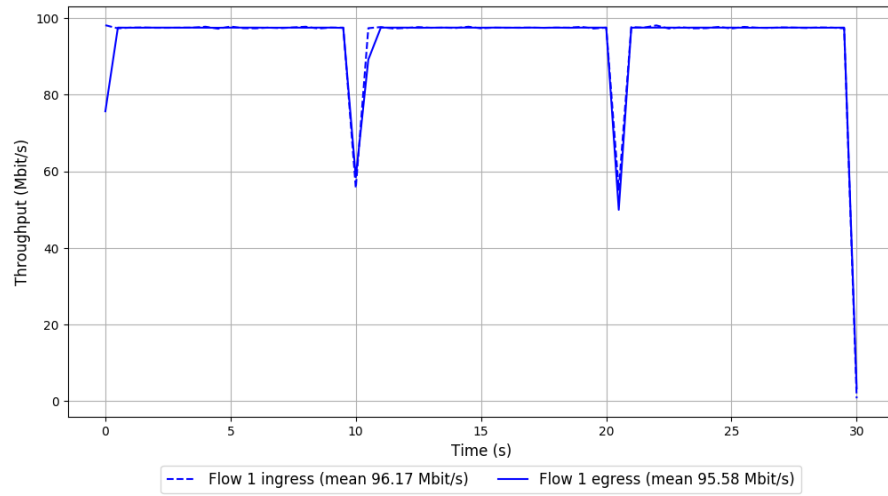


Run 4: Statistics of TCP BBR

Start at: 2017-11-30 12:53:52
End at: 2017-11-30 12:54:22
Local clock offset: -2.38 ms
Remote clock offset: -23.126 ms

Below is generated by plot.py at 2017-11-30 14:57:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.58 Mbit/s
95th percentile per-packet one-way delay: 15.304 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 95.58 Mbit/s
95th percentile per-packet one-way delay: 15.304 ms
Loss rate: 0.53%

Run 4: Report of TCP BBR — Data Link

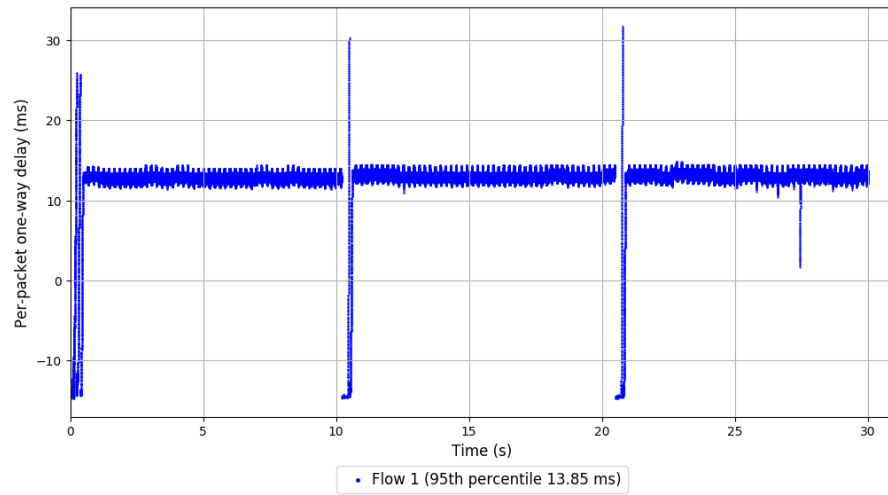
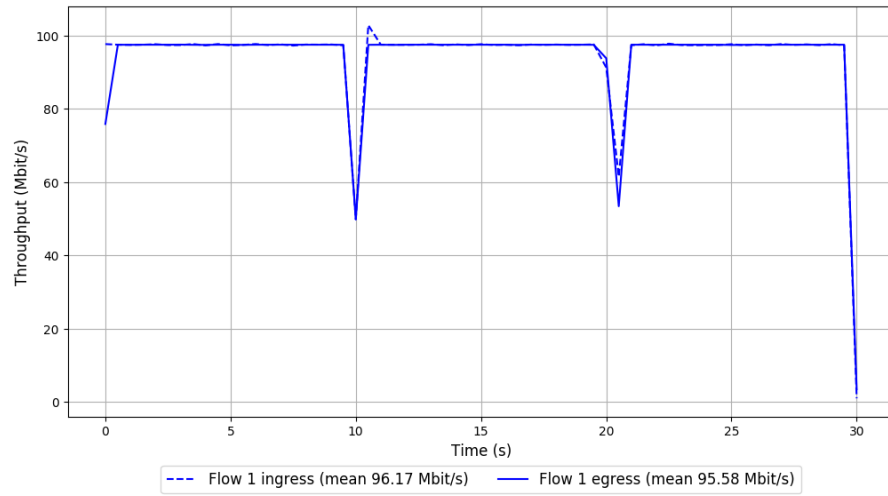


Run 5: Statistics of TCP BBR

Start at: 2017-11-30 13:10:55
End at: 2017-11-30 13:11:25
Local clock offset: -2.707 ms
Remote clock offset: -23.99 ms

Below is generated by plot.py at 2017-11-30 14:57:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.58 Mbit/s
95th percentile per-packet one-way delay: 13.854 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 95.58 Mbit/s
95th percentile per-packet one-way delay: 13.854 ms
Loss rate: 0.52%

Run 5: Report of TCP BBR — Data Link

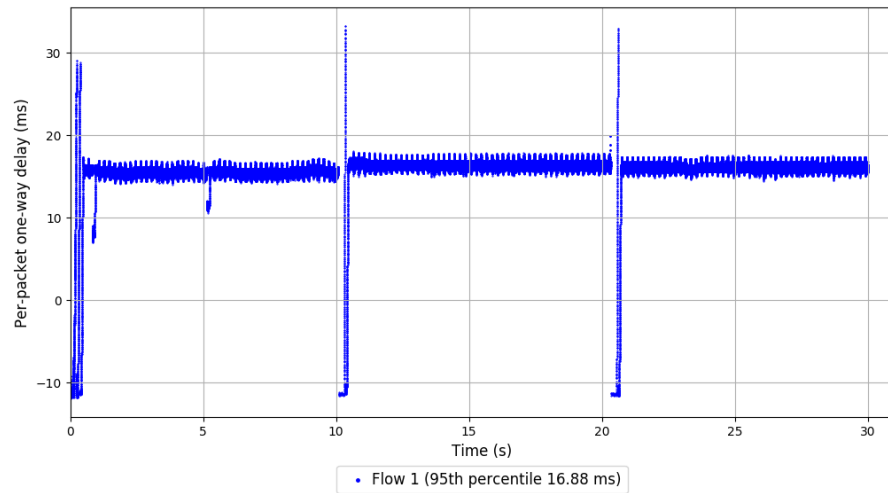
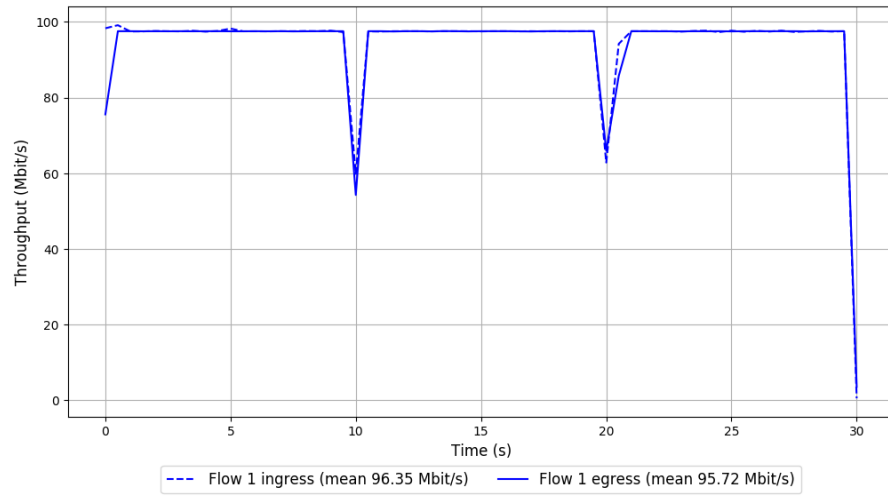


Run 6: Statistics of TCP BBR

Start at: 2017-11-30 13:27:35
End at: 2017-11-30 13:28:05
Local clock offset: -6.126 ms
Remote clock offset: -23.48 ms

Below is generated by plot.py at 2017-11-30 14:57:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.72 Mbit/s
95th percentile per-packet one-way delay: 16.878 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 95.72 Mbit/s
95th percentile per-packet one-way delay: 16.878 ms
Loss rate: 0.57%

Run 6: Report of TCP BBR — Data Link

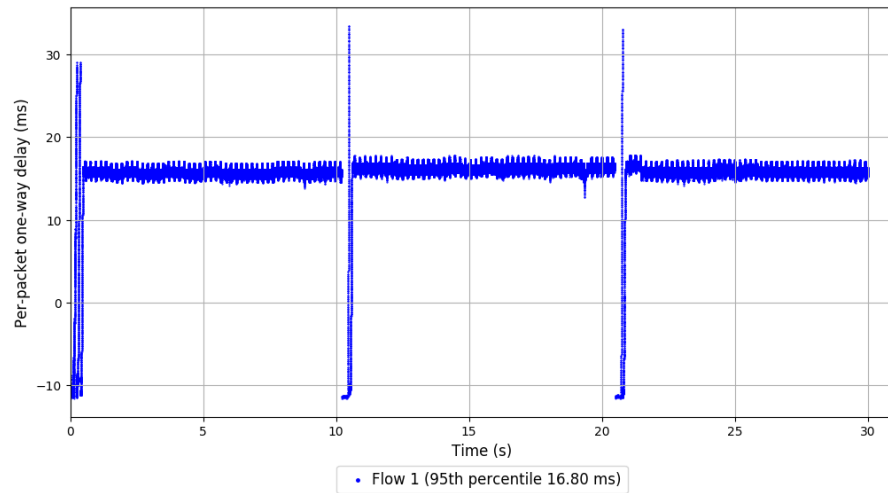
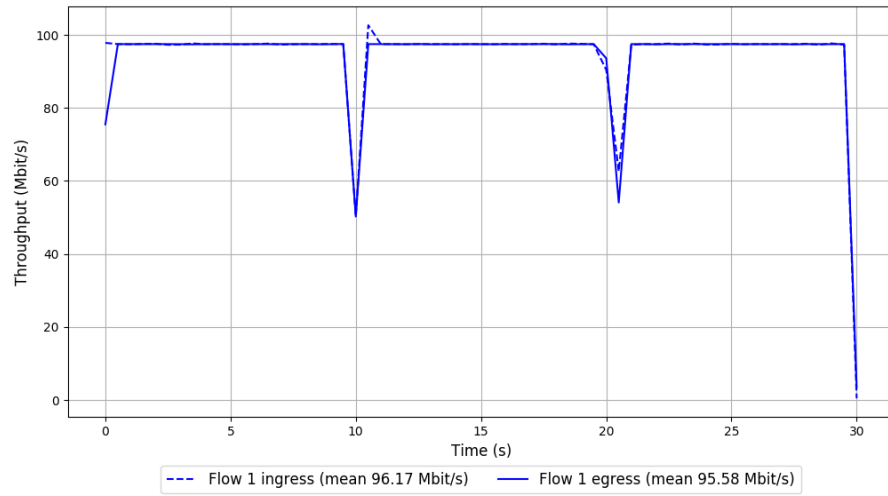


Run 7: Statistics of TCP BBR

Start at: 2017-11-30 13:44:00
End at: 2017-11-30 13:44:30
Local clock offset: -7.295 ms
Remote clock offset: -23.644 ms

Below is generated by plot.py at 2017-11-30 14:57:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.58 Mbit/s
95th percentile per-packet one-way delay: 16.801 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 95.58 Mbit/s
95th percentile per-packet one-way delay: 16.801 ms
Loss rate: 0.52%

Run 7: Report of TCP BBR — Data Link

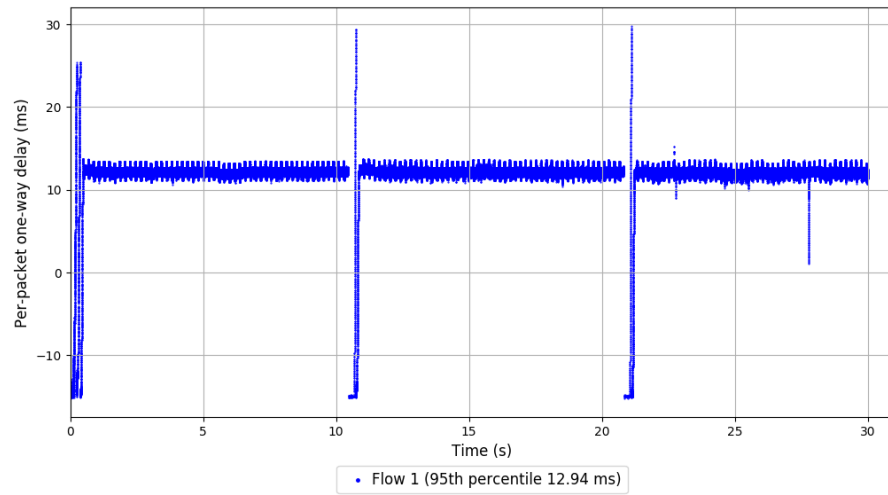
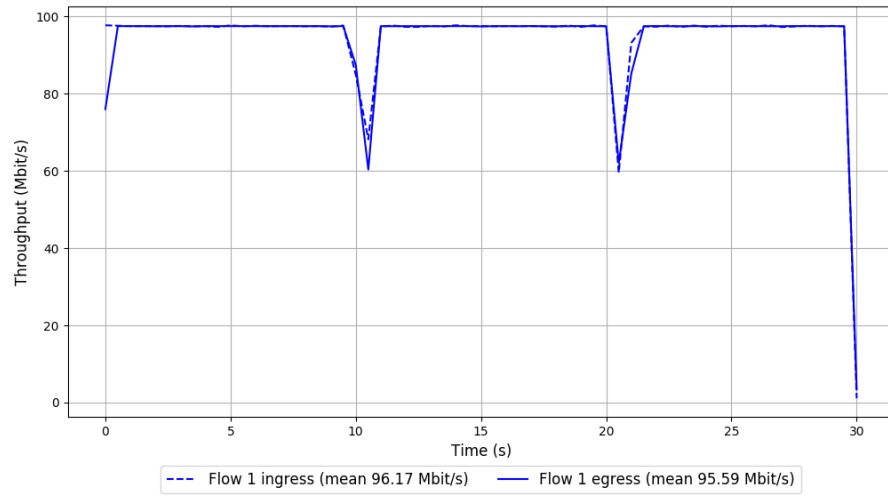


Run 8: Statistics of TCP BBR

Start at: 2017-11-30 14:00:34
End at: 2017-11-30 14:01:04
Local clock offset: -4.898 ms
Remote clock offset: -24.357 ms

Below is generated by plot.py at 2017-11-30 14:57:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.59 Mbit/s
95th percentile per-packet one-way delay: 12.938 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 95.59 Mbit/s
95th percentile per-packet one-way delay: 12.938 ms
Loss rate: 0.52%

Run 8: Report of TCP BBR — Data Link

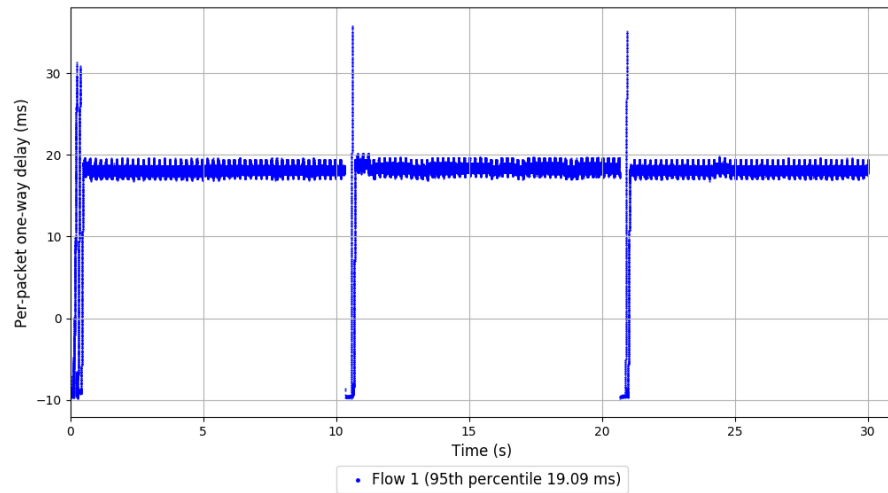
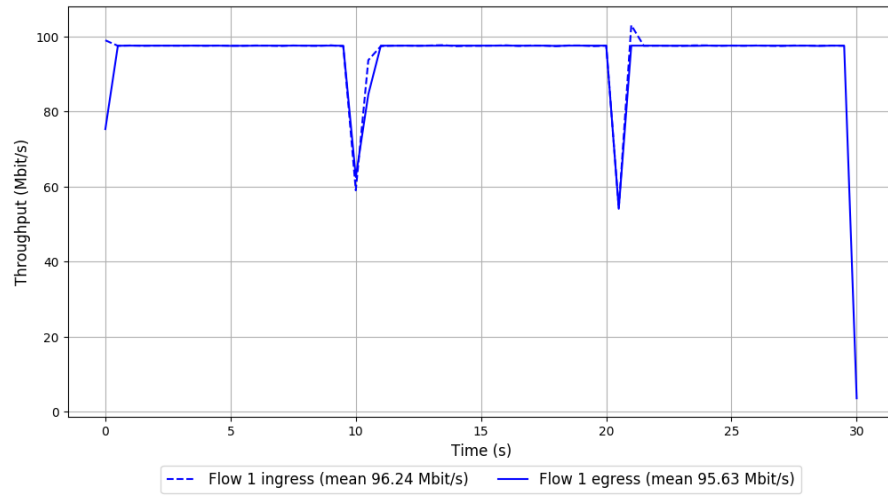


Run 9: Statistics of TCP BBR

Start at: 2017-11-30 14:17:06
End at: 2017-11-30 14:17:36
Local clock offset: -7.286 ms
Remote clock offset: -21.621 ms

Below is generated by plot.py at 2017-11-30 14:59:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.63 Mbit/s
95th percentile per-packet one-way delay: 19.092 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 95.63 Mbit/s
95th percentile per-packet one-way delay: 19.092 ms
Loss rate: 0.53%

Run 9: Report of TCP BBR — Data Link

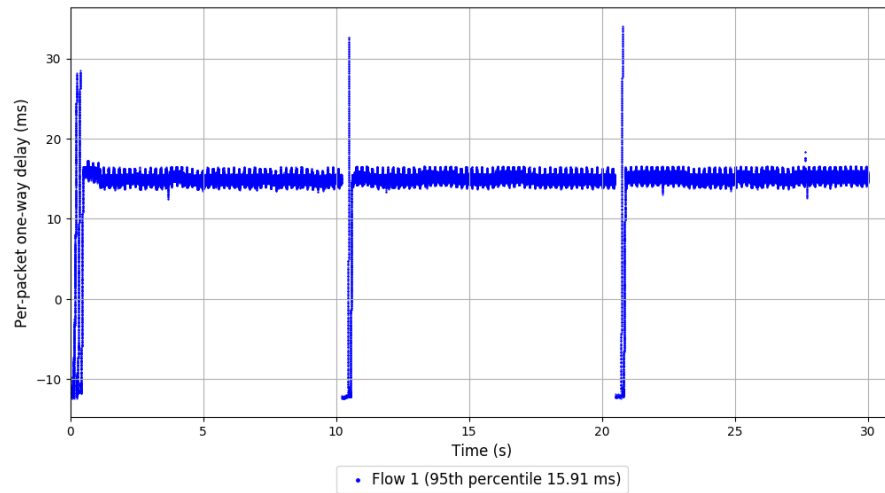
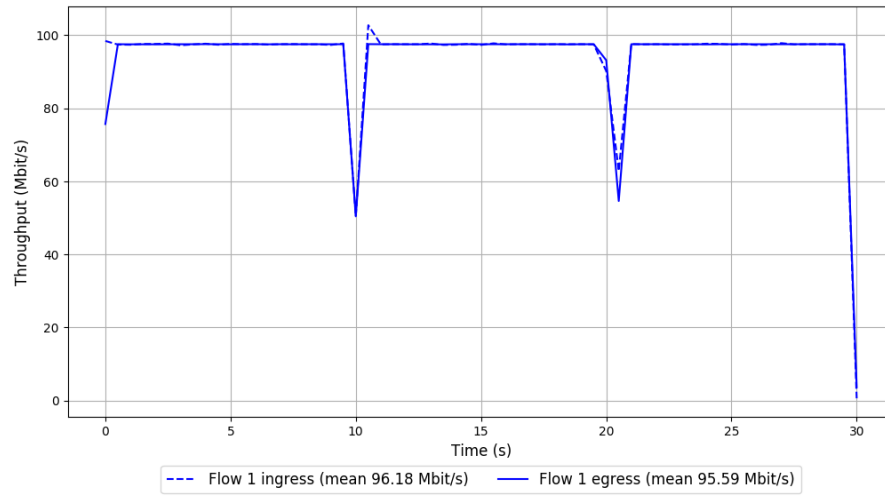


Run 10: Statistics of TCP BBR

Start at: 2017-11-30 14:33:30
End at: 2017-11-30 14:34:00
Local clock offset: -5.336 ms
Remote clock offset: -21.238 ms

Below is generated by plot.py at 2017-11-30 14:59:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.59 Mbit/s
95th percentile per-packet one-way delay: 15.907 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 95.59 Mbit/s
95th percentile per-packet one-way delay: 15.907 ms
Loss rate: 0.52%

Run 10: Report of TCP BBR — Data Link

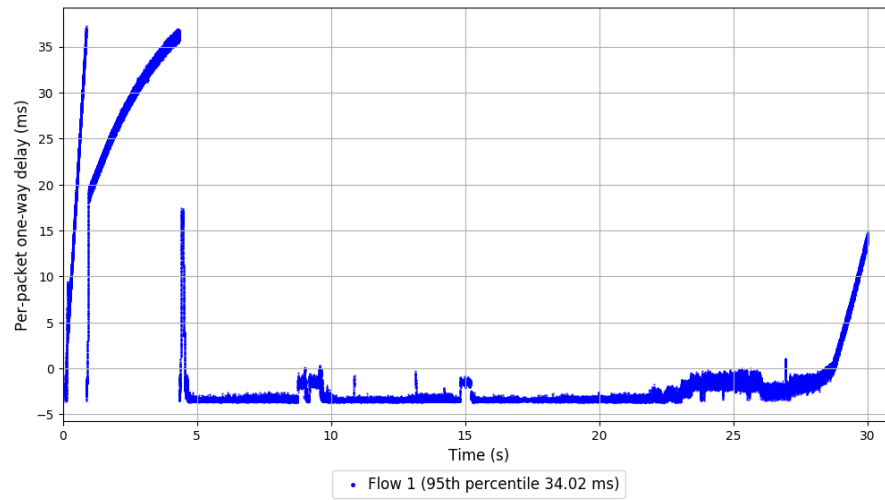
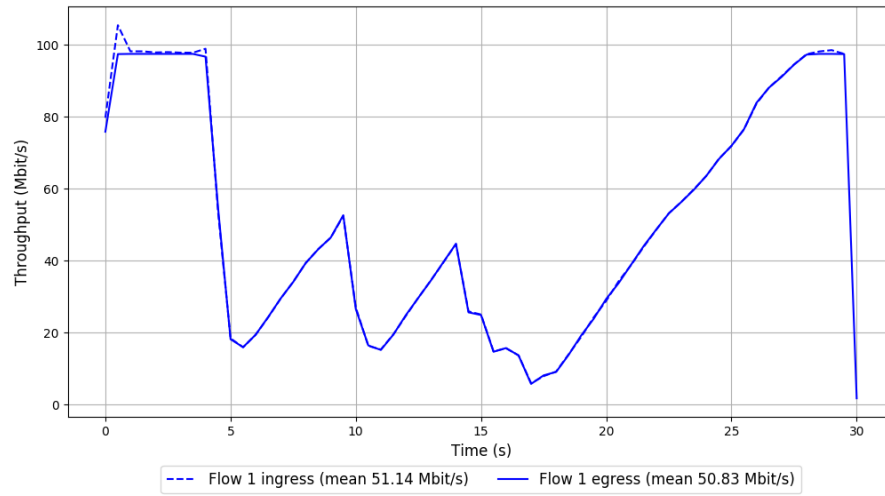


Run 1: Statistics of TCP Cubic

Start at: 2017-11-30 12:02:28
End at: 2017-11-30 12:02:58
Local clock offset: -3.734 ms
Remote clock offset: -18.144 ms

Below is generated by plot.py at 2017-11-30 14:59:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.83 Mbit/s
95th percentile per-packet one-way delay: 34.017 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 50.83 Mbit/s
95th percentile per-packet one-way delay: 34.017 ms
Loss rate: 0.55%

Run 1: Report of TCP Cubic — Data Link

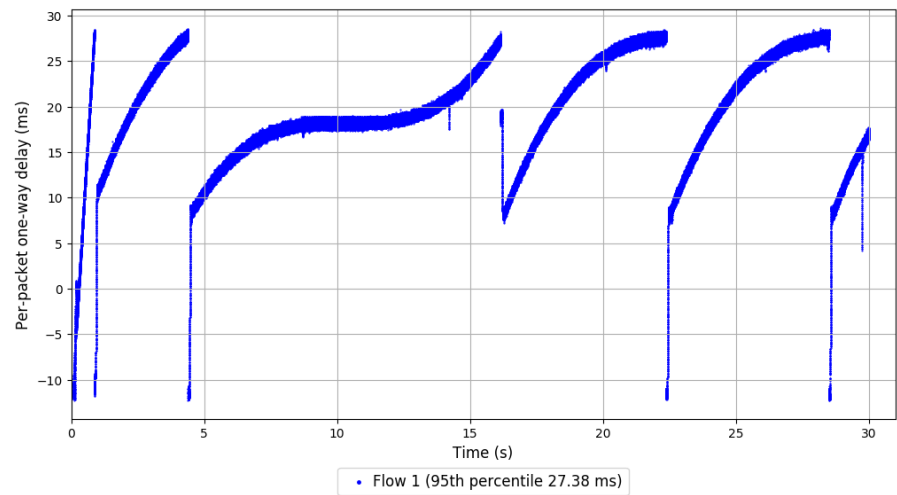
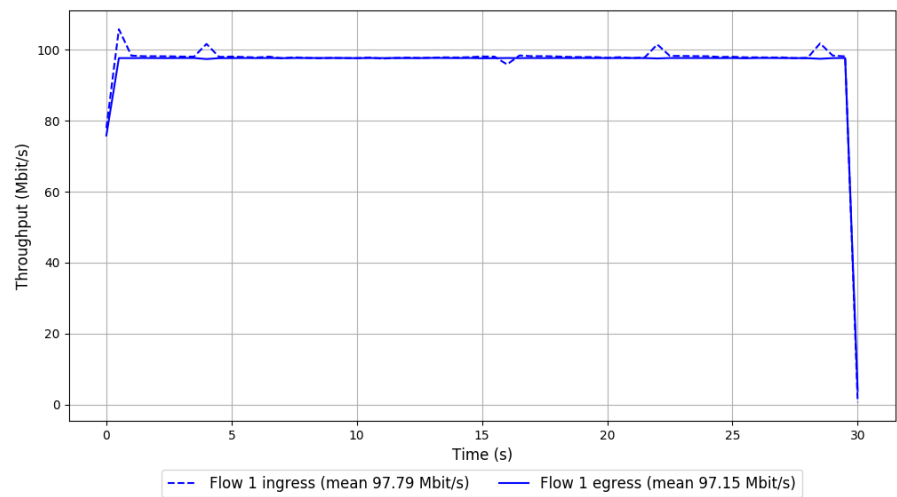


Run 2: Statistics of TCP Cubic

Start at: 2017-11-30 12:18:58
End at: 2017-11-30 12:19:28
Local clock offset: -1.337 ms
Remote clock offset: -23.69 ms

Below is generated by plot.py at 2017-11-30 14:59:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 27.379 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 27.379 ms
Loss rate: 0.56%

Run 2: Report of TCP Cubic — Data Link

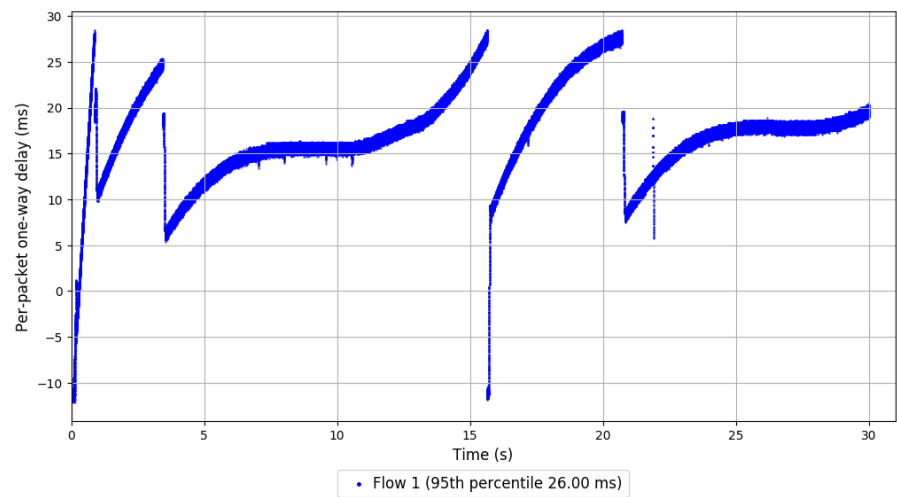
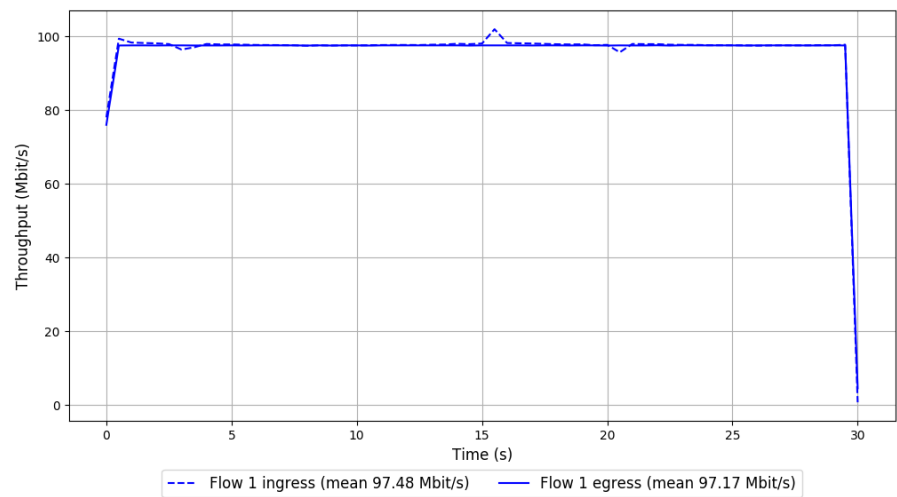


Run 3: Statistics of TCP Cubic

Start at: 2017-11-30 12:35:57
End at: 2017-11-30 12:36:27
Local clock offset: -2.576 ms
Remote clock offset: -23.929 ms

Below is generated by plot.py at 2017-11-30 14:59:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 26.005 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 26.005 ms
Loss rate: 0.21%

Run 3: Report of TCP Cubic — Data Link

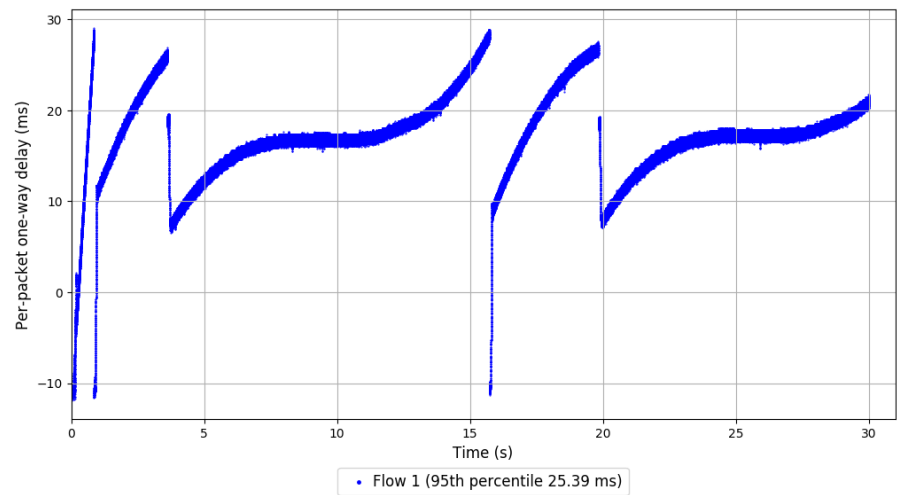
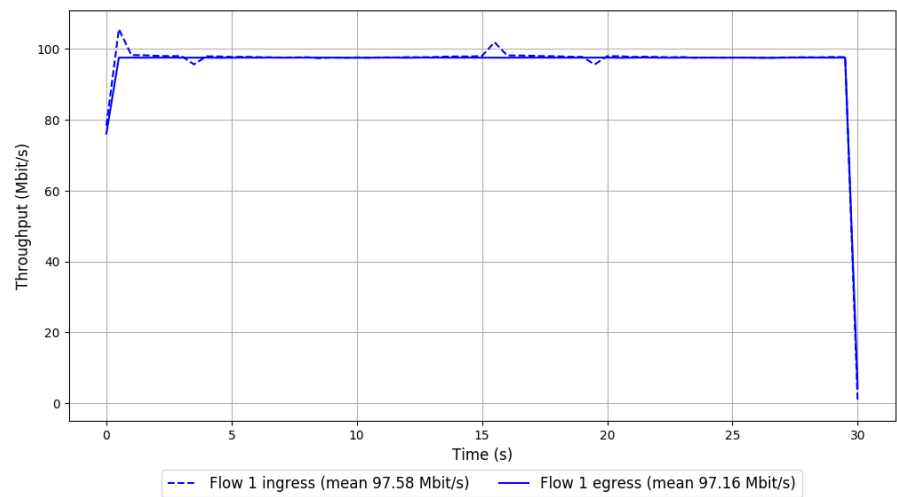


Run 4: Statistics of TCP Cubic

Start at: 2017-11-30 12:52:41
End at: 2017-11-30 12:53:11
Local clock offset: -3.199 ms
Remote clock offset: -22.305 ms

Below is generated by plot.py at 2017-11-30 14:59:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 25.394 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 25.394 ms
Loss rate: 0.32%

Run 4: Report of TCP Cubic — Data Link

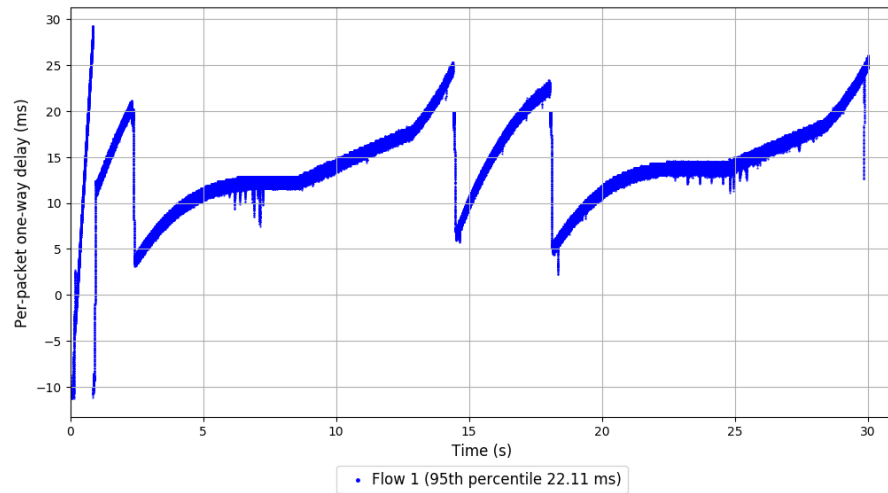
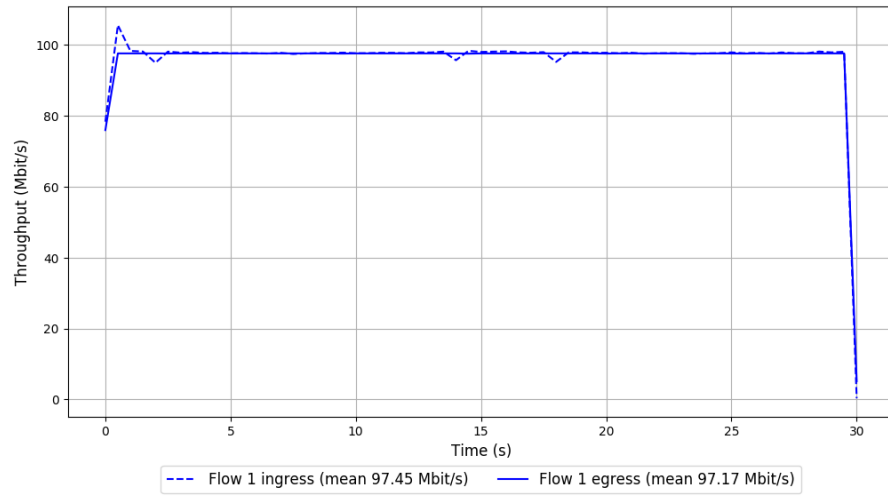


Run 5: Statistics of TCP Cubic

Start at: 2017-11-30 13:09:36
End at: 2017-11-30 13:10:06
Local clock offset: -5.311 ms
Remote clock offset: -23.157 ms

Below is generated by plot.py at 2017-11-30 14:59:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 22.113 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 22.113 ms
Loss rate: 0.17%

Run 5: Report of TCP Cubic — Data Link

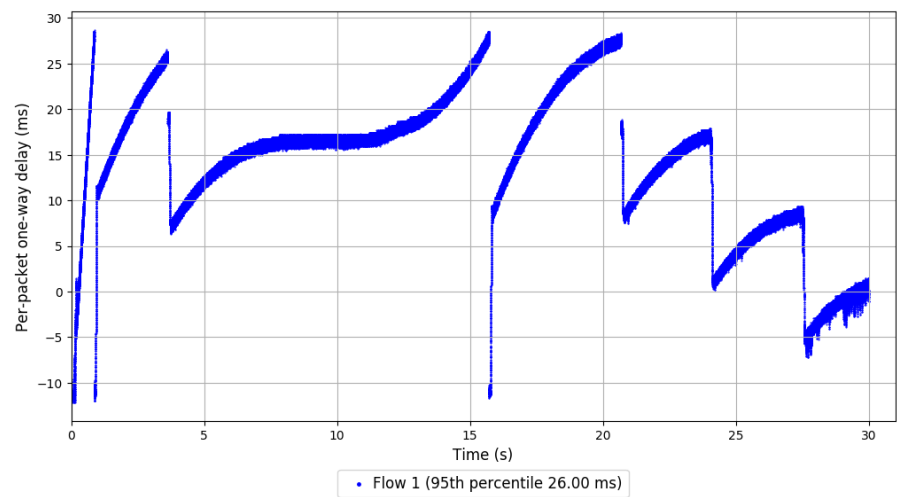
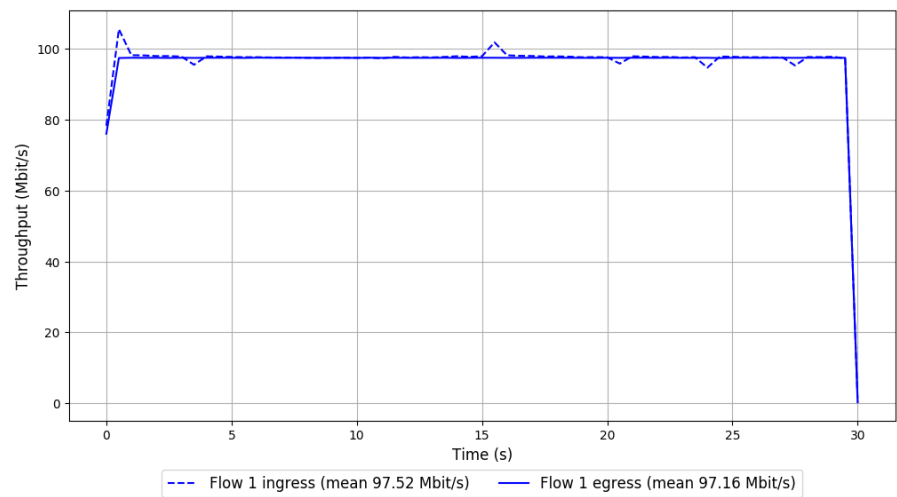


Run 6: Statistics of TCP Cubic

Start at: 2017-11-30 13:26:20
End at: 2017-11-30 13:26:50
Local clock offset: -6.361 ms
Remote clock offset: -23.988 ms

Below is generated by plot.py at 2017-11-30 14:59:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 25.995 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 25.995 ms
Loss rate: 0.33%

Run 6: Report of TCP Cubic — Data Link

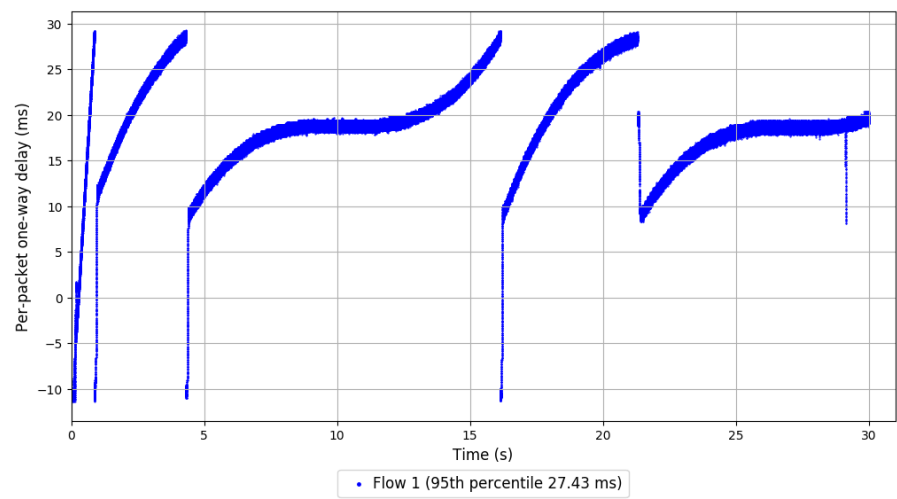
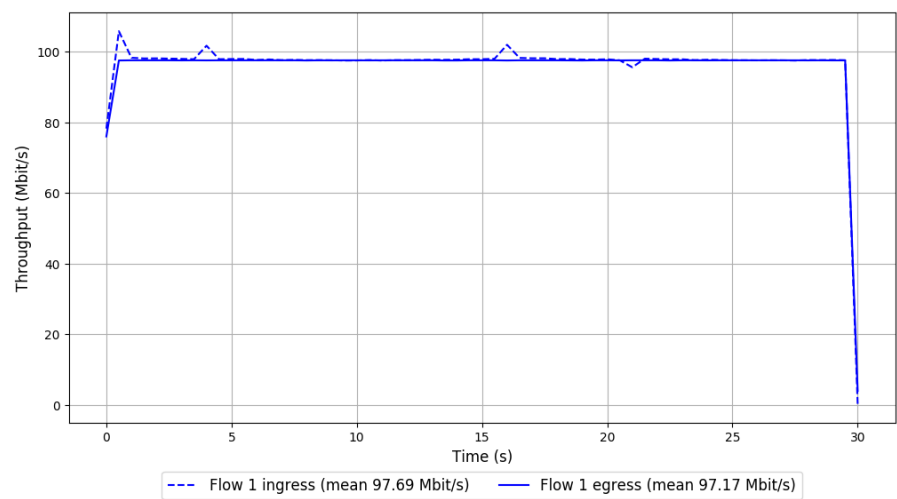


Run 7: Statistics of TCP Cubic

Start at: 2017-11-30 13:42:50
End at: 2017-11-30 13:43:20
Local clock offset: -6.888 ms
Remote clock offset: -23.104 ms

Below is generated by plot.py at 2017-11-30 14:59:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 27.430 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 27.430 ms
Loss rate: 0.43%

Run 7: Report of TCP Cubic — Data Link

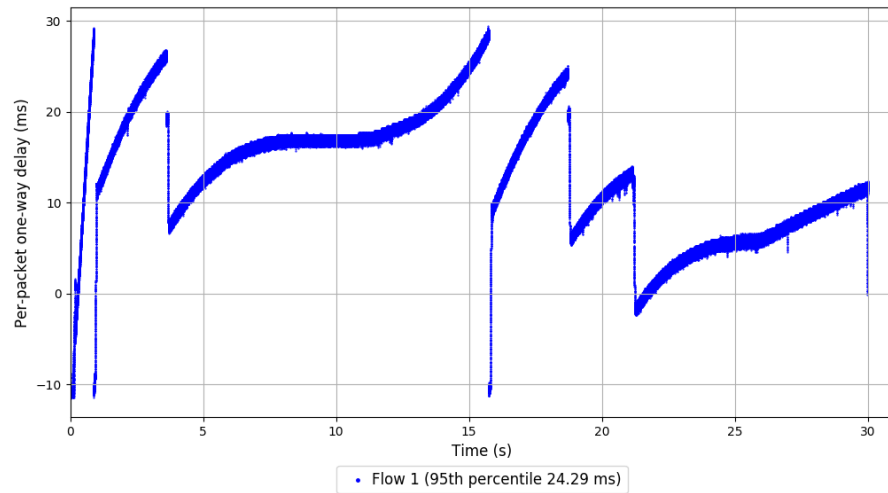
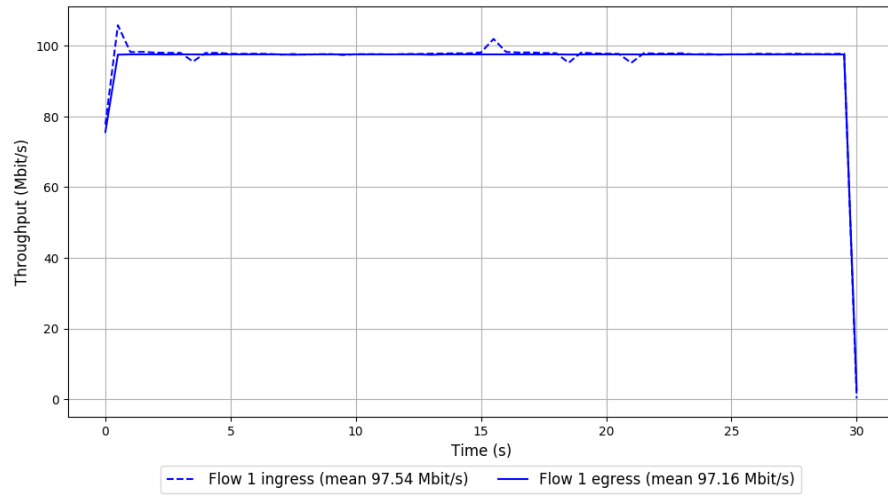


Run 8: Statistics of TCP Cubic

Start at: 2017-11-30 13:59:20
End at: 2017-11-30 13:59:50
Local clock offset: -6.301 ms
Remote clock offset: -22.424 ms

Below is generated by plot.py at 2017-11-30 15:00:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 24.288 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 24.288 ms
Loss rate: 0.31%

Run 8: Report of TCP Cubic — Data Link

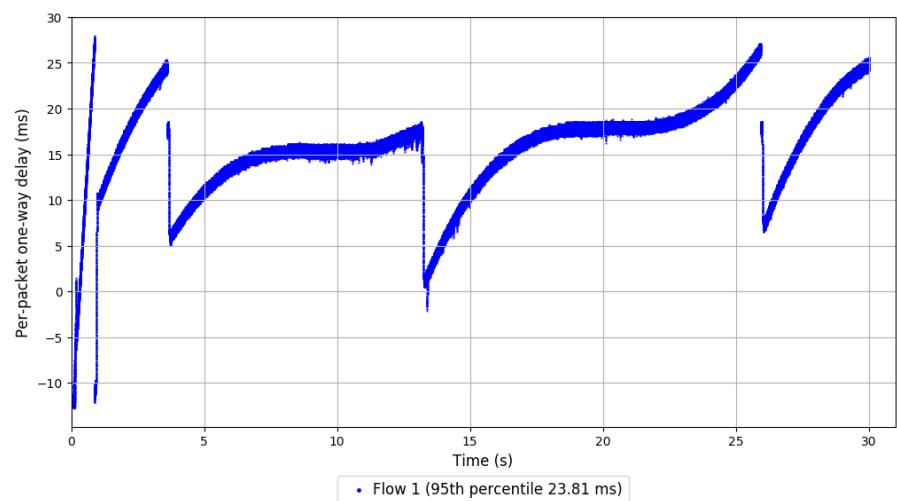
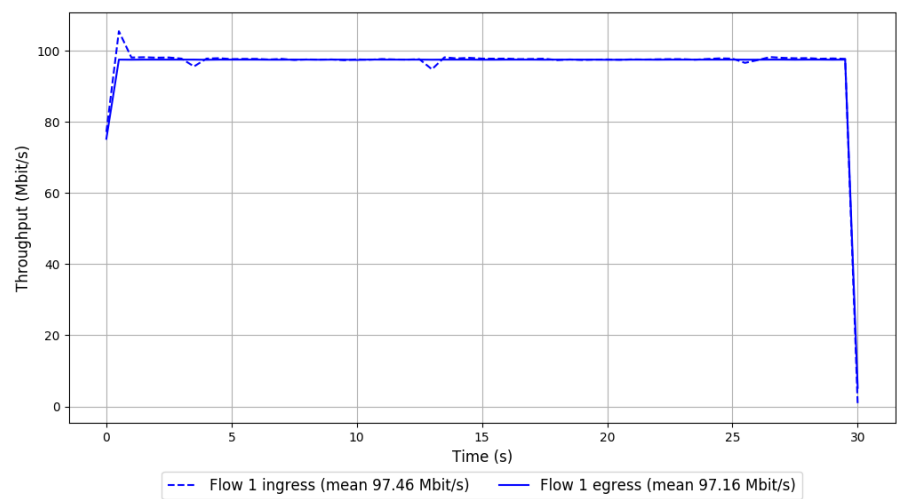


Run 9: Statistics of TCP Cubic

Start at: 2017-11-30 14:15:54
End at: 2017-11-30 14:16:24
Local clock offset: -5.389 ms
Remote clock offset: -22.806 ms

Below is generated by plot.py at 2017-11-30 15:00:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 23.808 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 23.808 ms
Loss rate: 0.19%

Run 9: Report of TCP Cubic — Data Link

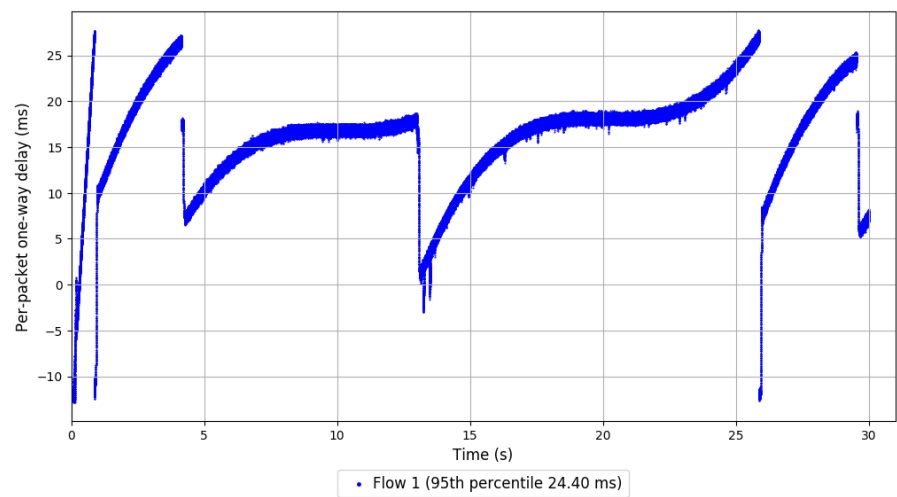
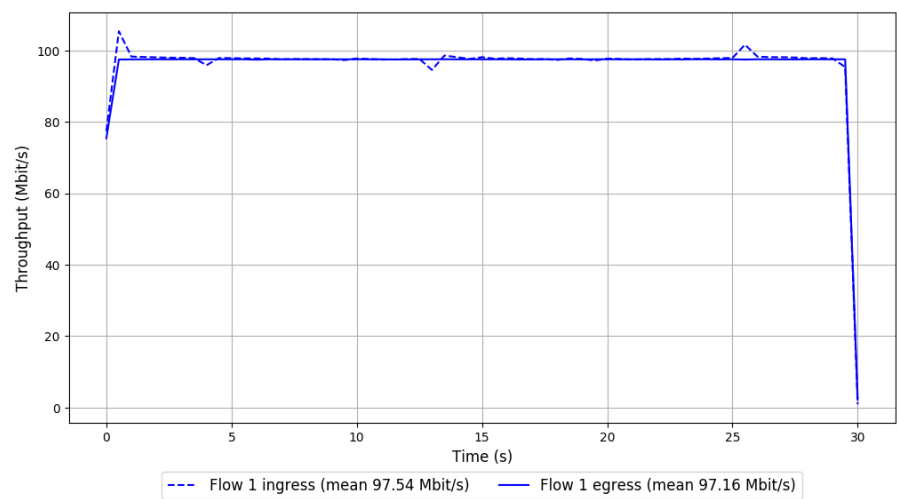


Run 10: Statistics of TCP Cubic

Start at: 2017-11-30 14:32:19
End at: 2017-11-30 14:32:49
Local clock offset: -5.466 ms
Remote clock offset: -22.247 ms

Below is generated by plot.py at 2017-11-30 15:00:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 24.402 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 24.402 ms
Loss rate: 0.33%

Run 10: Report of TCP Cubic — Data Link

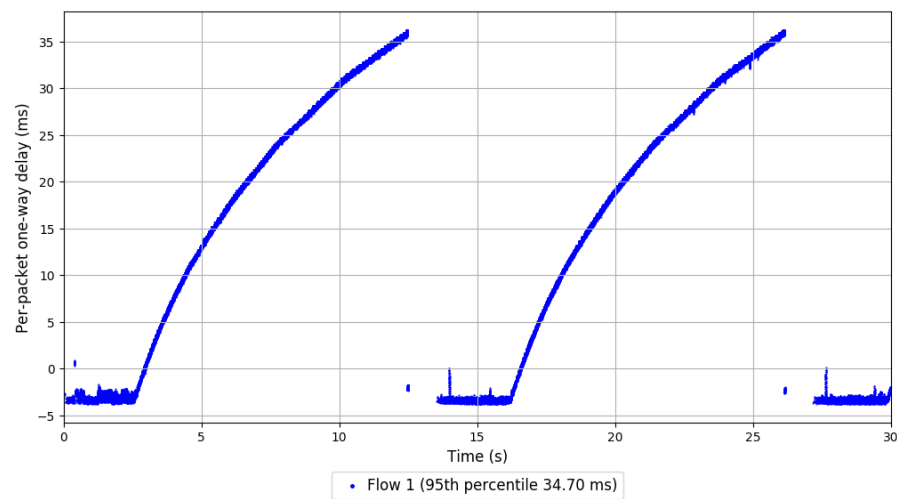
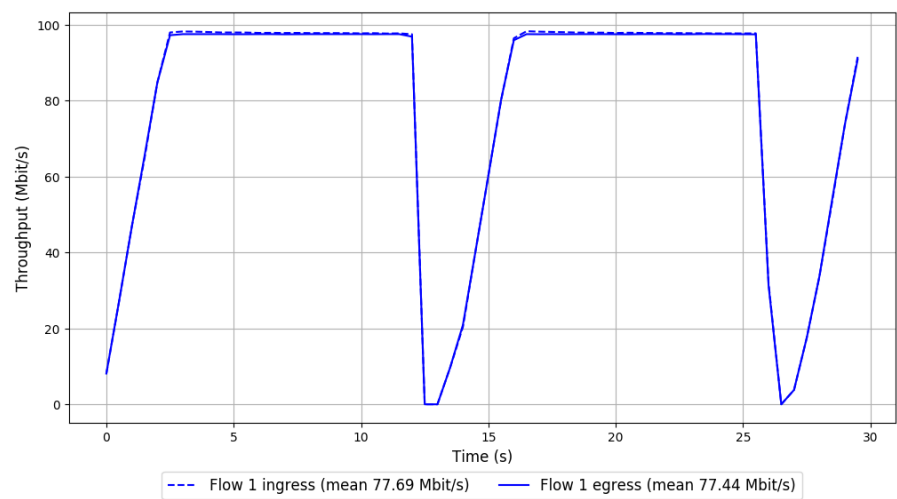


Run 1: Statistics of LEDBAT

Start at: 2017-11-30 11:51:38
End at: 2017-11-30 11:52:08
Local clock offset: -2.629 ms
Remote clock offset: -17.973 ms

Below is generated by plot.py at 2017-11-30 15:00:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.44 Mbit/s
95th percentile per-packet one-way delay: 34.702 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 77.44 Mbit/s
95th percentile per-packet one-way delay: 34.702 ms
Loss rate: 0.32%

Run 1: Report of LEDBAT — Data Link

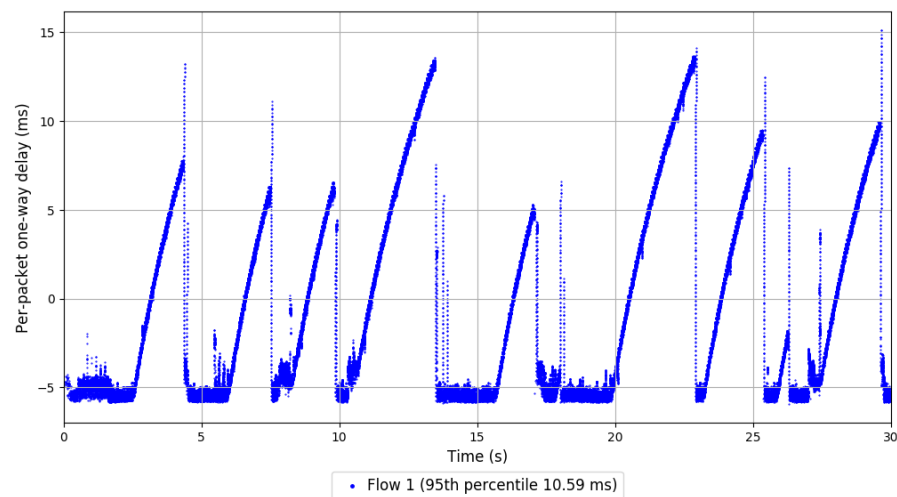
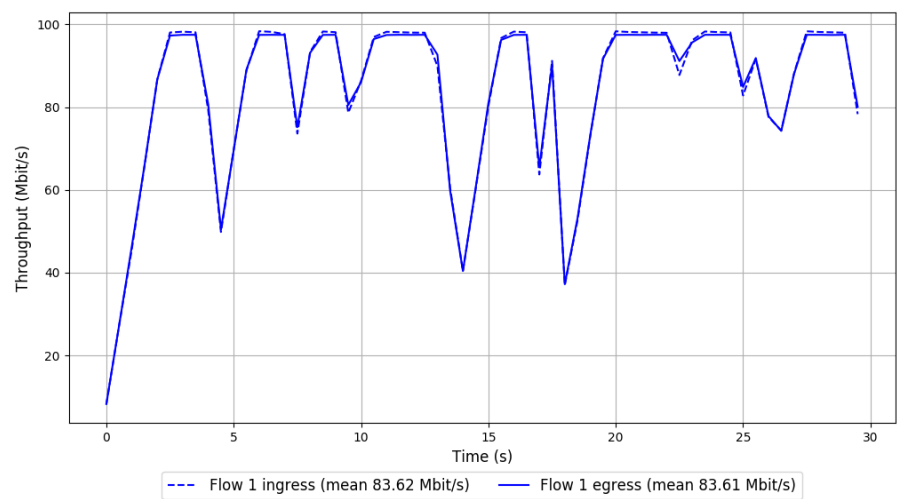


Run 2: Statistics of LEDBAT

Start at: 2017-11-30 12:08:05
End at: 2017-11-30 12:08:35
Local clock offset: -0.528 ms
Remote clock offset: -17.092 ms

Below is generated by plot.py at 2017-11-30 15:00:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.61 Mbit/s
95th percentile per-packet one-way delay: 10.593 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 83.61 Mbit/s
95th percentile per-packet one-way delay: 10.593 ms
Loss rate: 0.01%

Run 2: Report of LEDBAT — Data Link

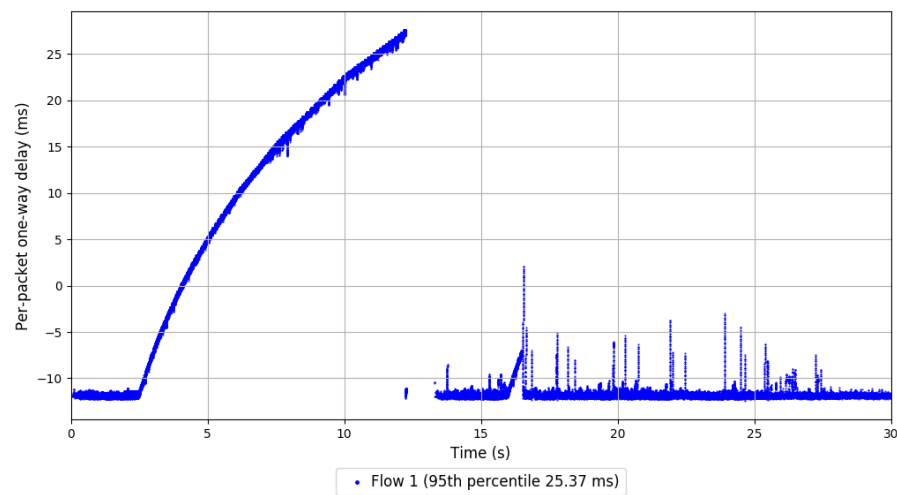
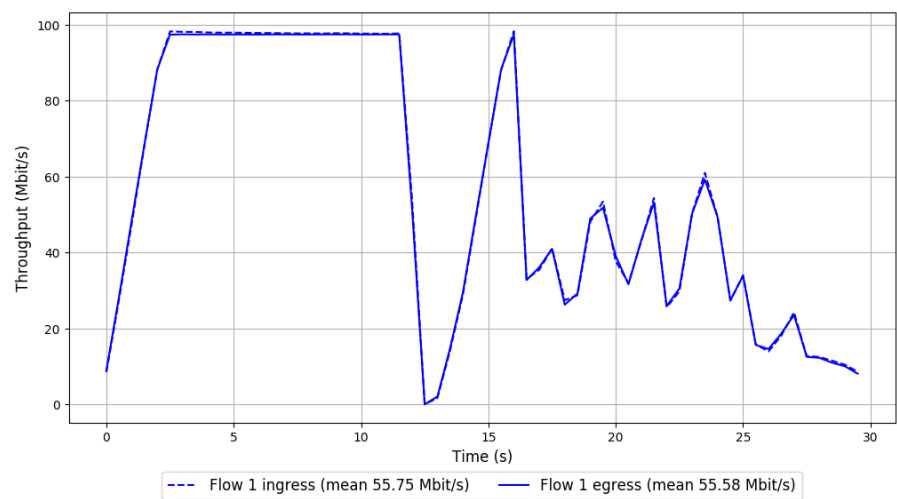


Run 3: Statistics of LEDBAT

Start at: 2017-11-30 12:24:51
End at: 2017-11-30 12:25:21
Local clock offset: -3.381 ms
Remote clock offset: -25.56 ms

Below is generated by plot.py at 2017-11-30 15:00:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.58 Mbit/s
95th percentile per-packet one-way delay: 25.368 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 55.58 Mbit/s
95th percentile per-packet one-way delay: 25.368 ms
Loss rate: 0.29%

Run 3: Report of LEDBAT — Data Link

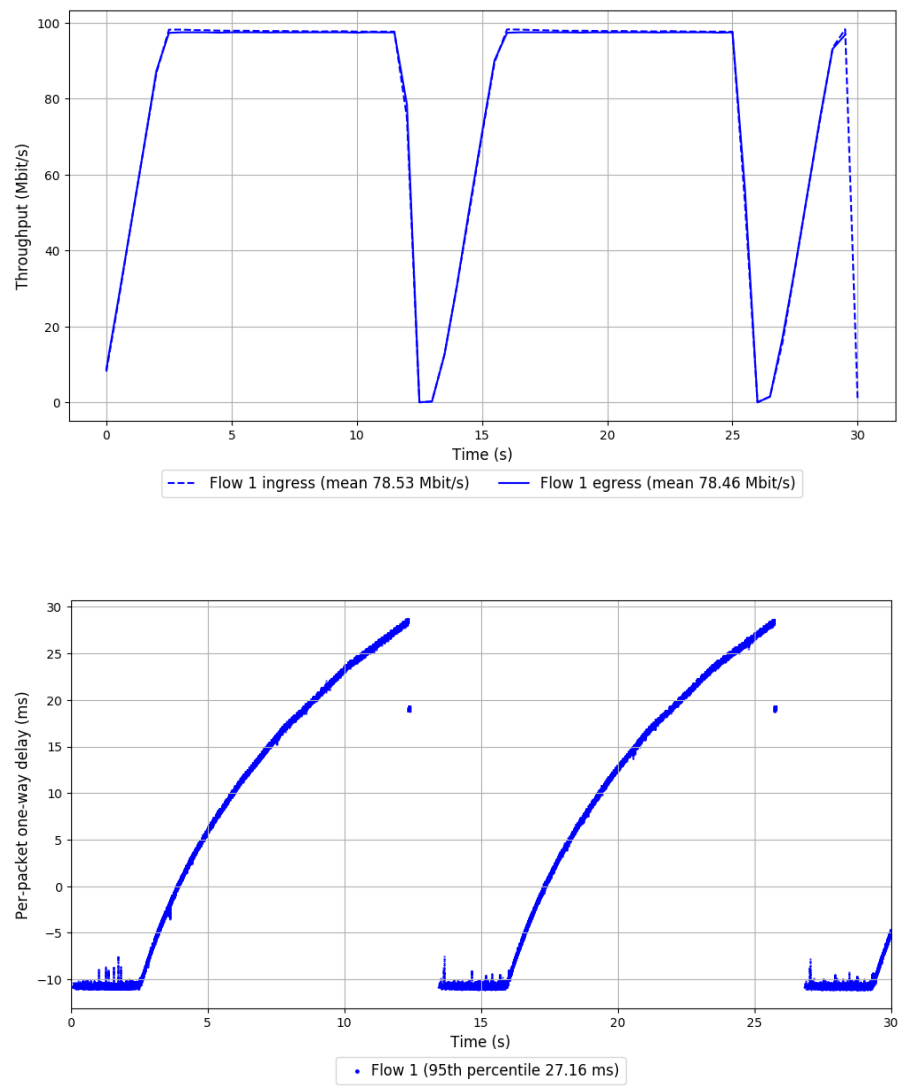


Run 4: Statistics of LEDBAT

Start at: 2017-11-30 12:41:46
End at: 2017-11-30 12:42:16
Local clock offset: -5.062 ms
Remote clock offset: -24.437 ms

Below is generated by plot.py at 2017-11-30 15:00:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.46 Mbit/s
95th percentile per-packet one-way delay: 27.163 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 78.46 Mbit/s
95th percentile per-packet one-way delay: 27.163 ms
Loss rate: 0.08%

Run 4: Report of LEDBAT — Data Link

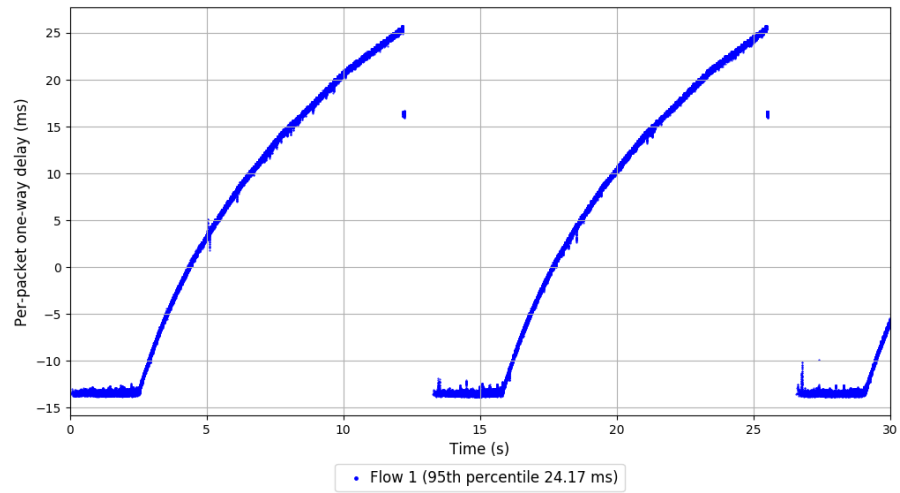
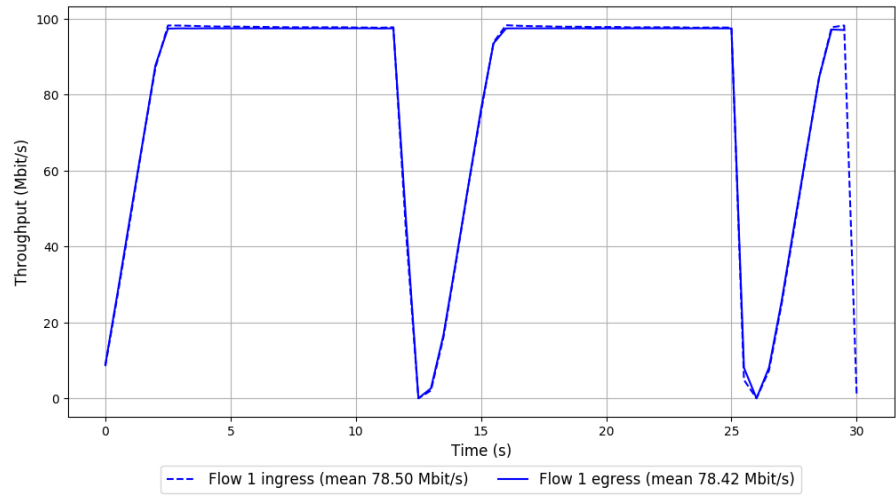


Run 5: Statistics of LEDBAT

Start at: 2017-11-30 12:58:28
End at: 2017-11-30 12:58:58
Local clock offset: -3.042 ms
Remote clock offset: -23.863 ms

Below is generated by plot.py at 2017-11-30 15:01:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.42 Mbit/s
95th percentile per-packet one-way delay: 24.170 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 78.42 Mbit/s
95th percentile per-packet one-way delay: 24.170 ms
Loss rate: 0.08%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

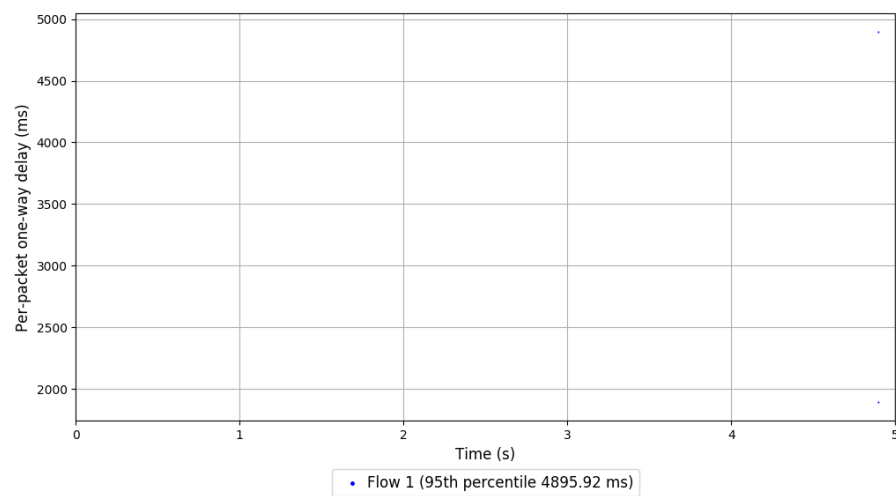
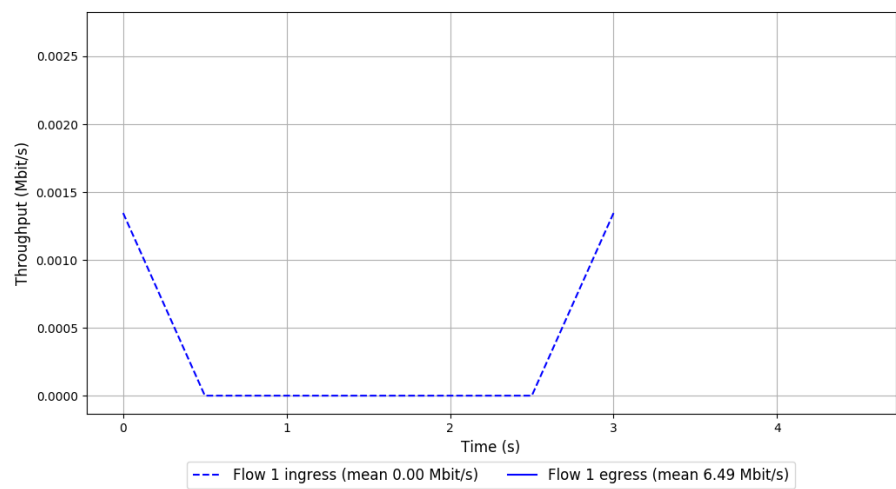
Start at: 2017-11-30 13:15:29

End at: 2017-11-30 13:15:59

Local clock offset: -3.423 ms

Remote clock offset: -22.18 ms

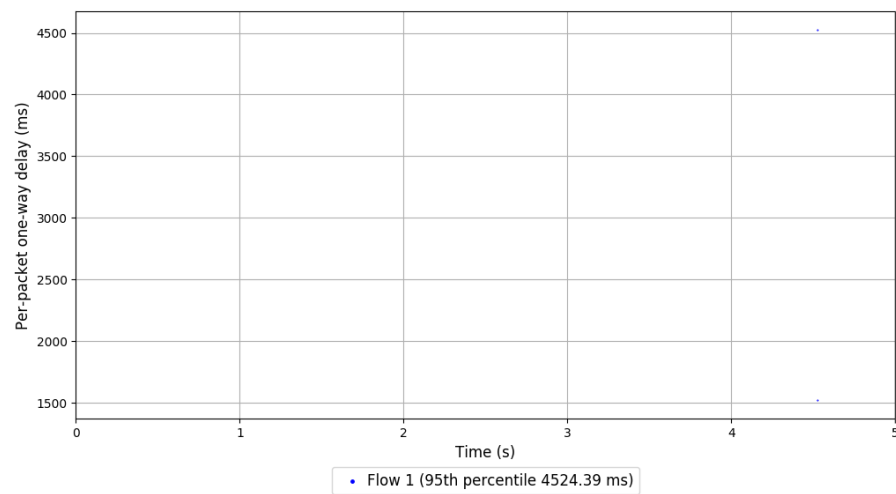
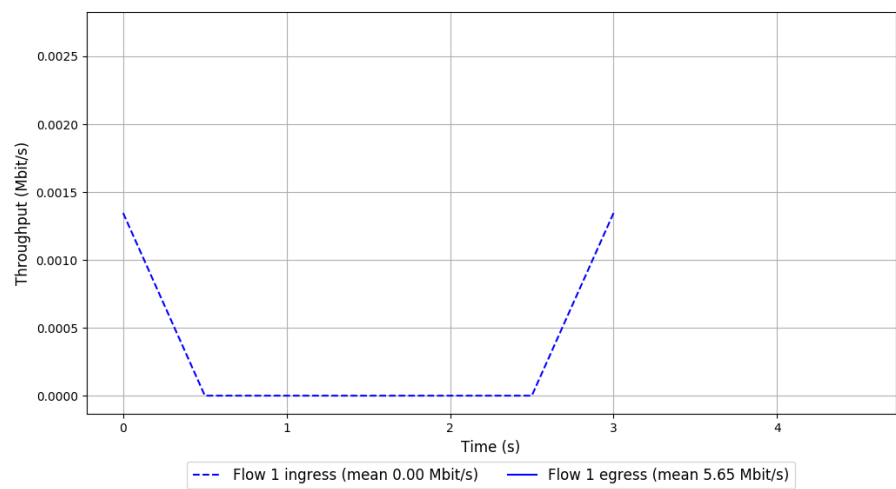
Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2017-11-30 13:32:09
End at: 2017-11-30 13:32:39
Local clock offset: -7.351 ms
Remote clock offset: -24.391 ms

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

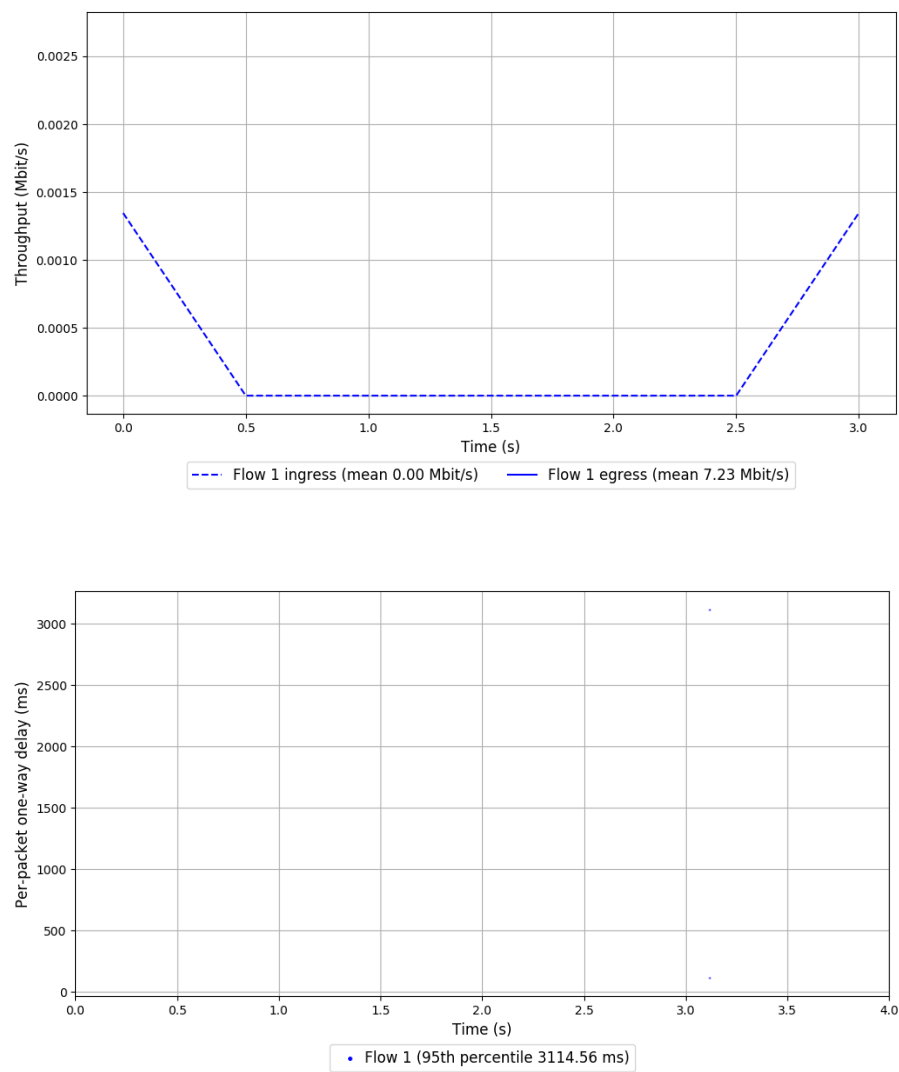
Start at: 2017-11-30 13:48:31

End at: 2017-11-30 13:49:01

Local clock offset: -7.087 ms

Remote clock offset: -24.103 ms

Run 8: Report of LEDBAT — Data Link

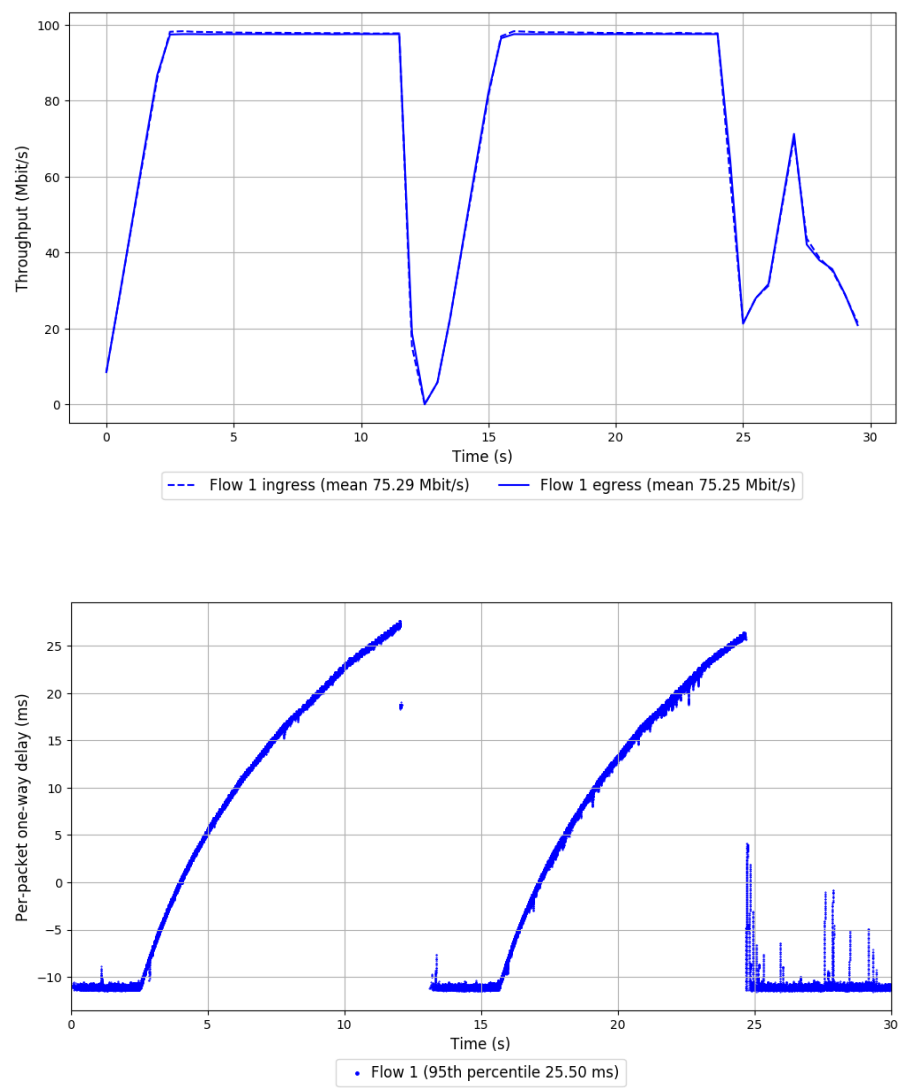


Run 9: Statistics of LEDBAT

Start at: 2017-11-30 14:05:07
End at: 2017-11-30 14:05:37
Local clock offset: -6.799 ms
Remote clock offset: -22.804 ms

Below is generated by plot.py at 2017-11-30 15:01:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.25 Mbit/s
95th percentile per-packet one-way delay: 25.498 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 75.25 Mbit/s
95th percentile per-packet one-way delay: 25.498 ms
Loss rate: 0.05%

Run 9: Report of LEDBAT — Data Link

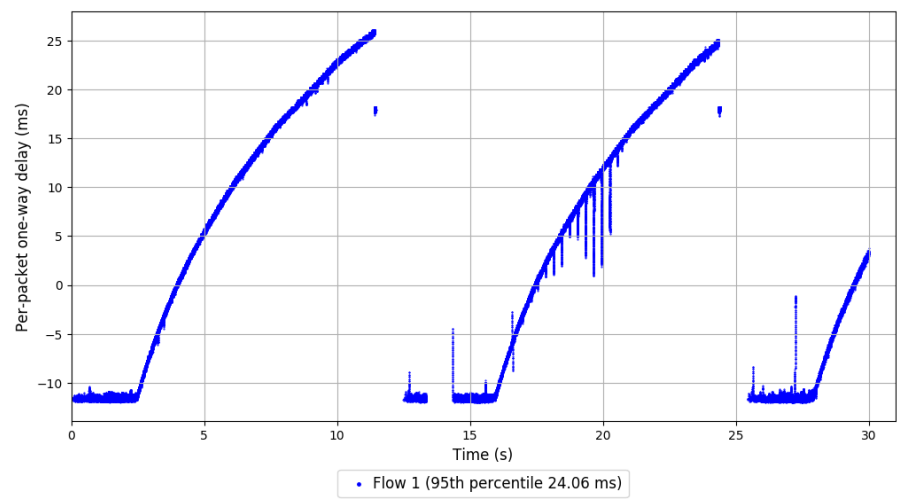
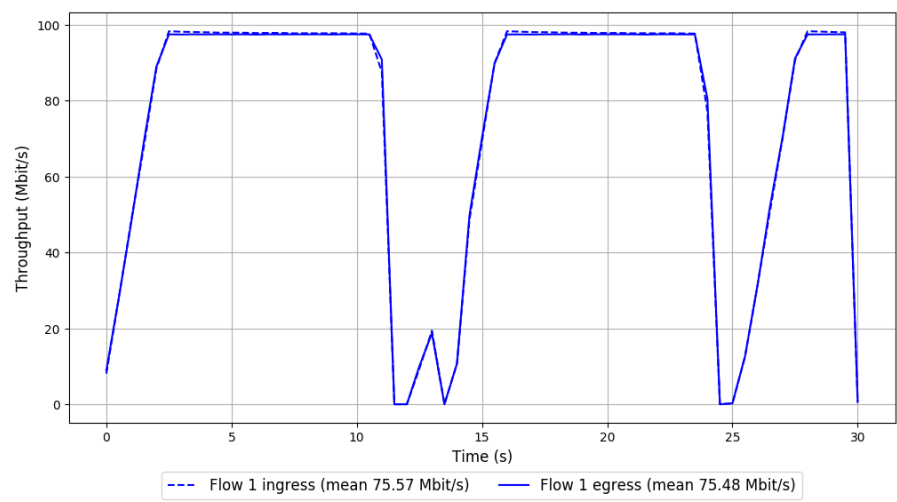


Run 10: Statistics of LEDBAT

Start at: 2017-11-30 14:21:31
End at: 2017-11-30 14:22:01
Local clock offset: -6.823 ms
Remote clock offset: -22.644 ms

Below is generated by plot.py at 2017-11-30 15:01:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.48 Mbit/s
95th percentile per-packet one-way delay: 24.057 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 75.48 Mbit/s
95th percentile per-packet one-way delay: 24.057 ms
Loss rate: 0.07%

Run 10: Report of LEDBAT — Data Link

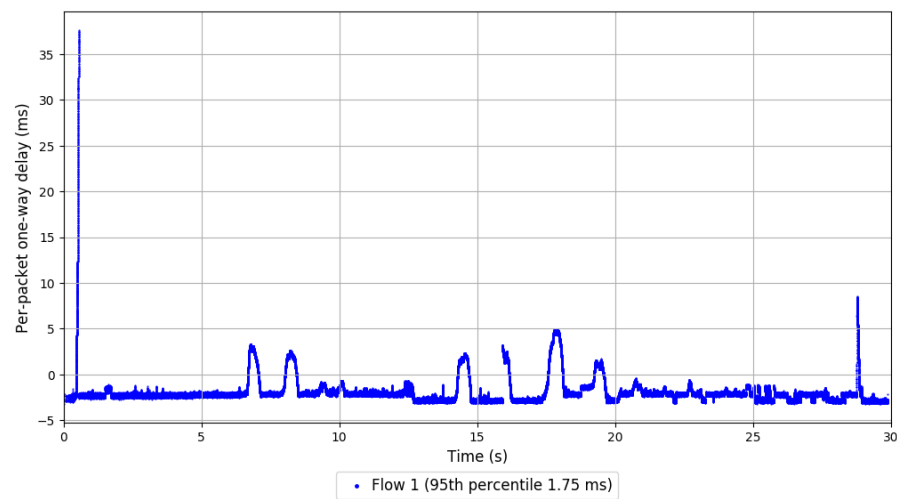
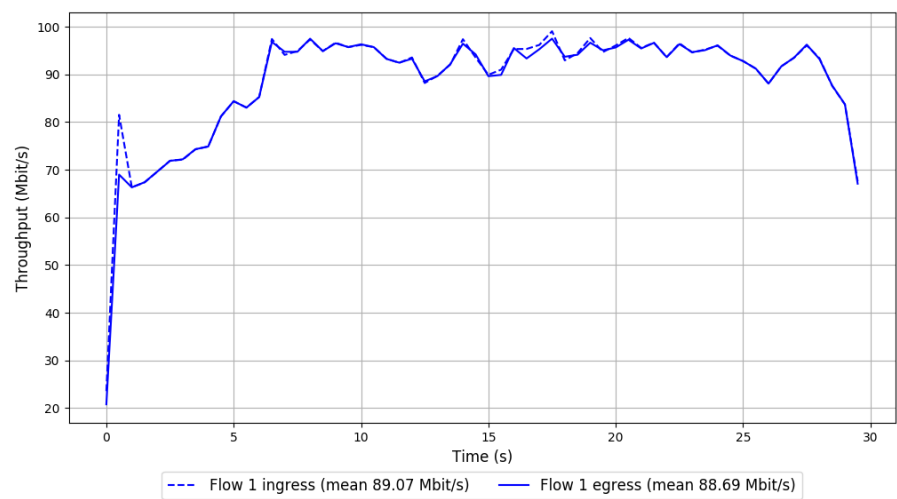


```
Run 1: Statistics of PCC

Start at: 2017-11-30 12:01:18
End at: 2017-11-30 12:01:49
Local clock offset: -3.472 ms
Remote clock offset: -17.423 ms

# Below is generated by plot.py at 2017-11-30 15:01:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.69 Mbit/s
95th percentile per-packet one-way delay: 1.746 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 88.69 Mbit/s
95th percentile per-packet one-way delay: 1.746 ms
Loss rate: 0.43%
```

Run 1: Report of PCC — Data Link

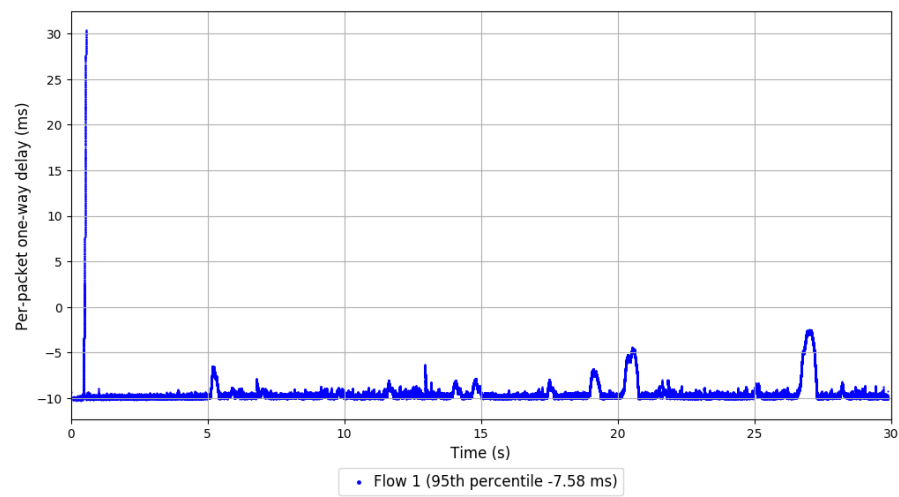
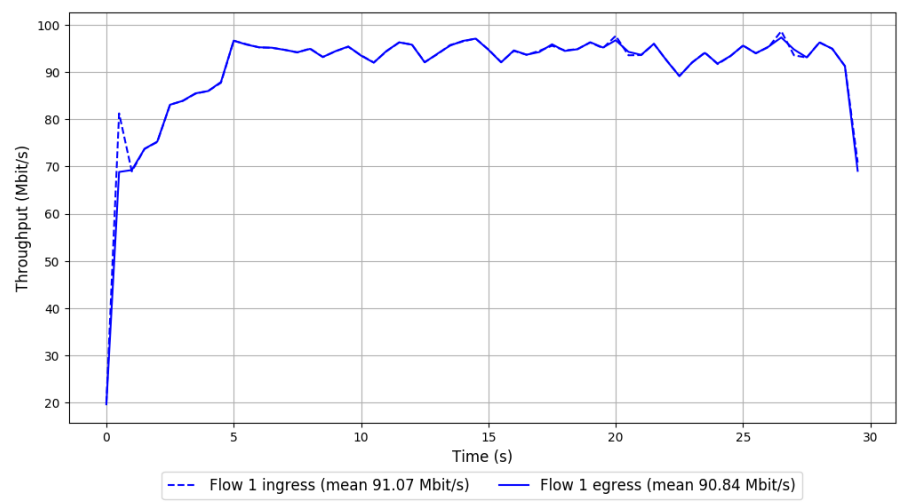


Run 2: Statistics of PCC

Start at: 2017-11-30 12:17:49
End at: 2017-11-30 12:18:19
Local clock offset: -0.686 ms
Remote clock offset: -20.763 ms

Below is generated by plot.py at 2017-11-30 15:01:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.84 Mbit/s
95th percentile per-packet one-way delay: -7.584 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 90.84 Mbit/s
95th percentile per-packet one-way delay: -7.584 ms
Loss rate: 0.25%

Run 2: Report of PCC — Data Link

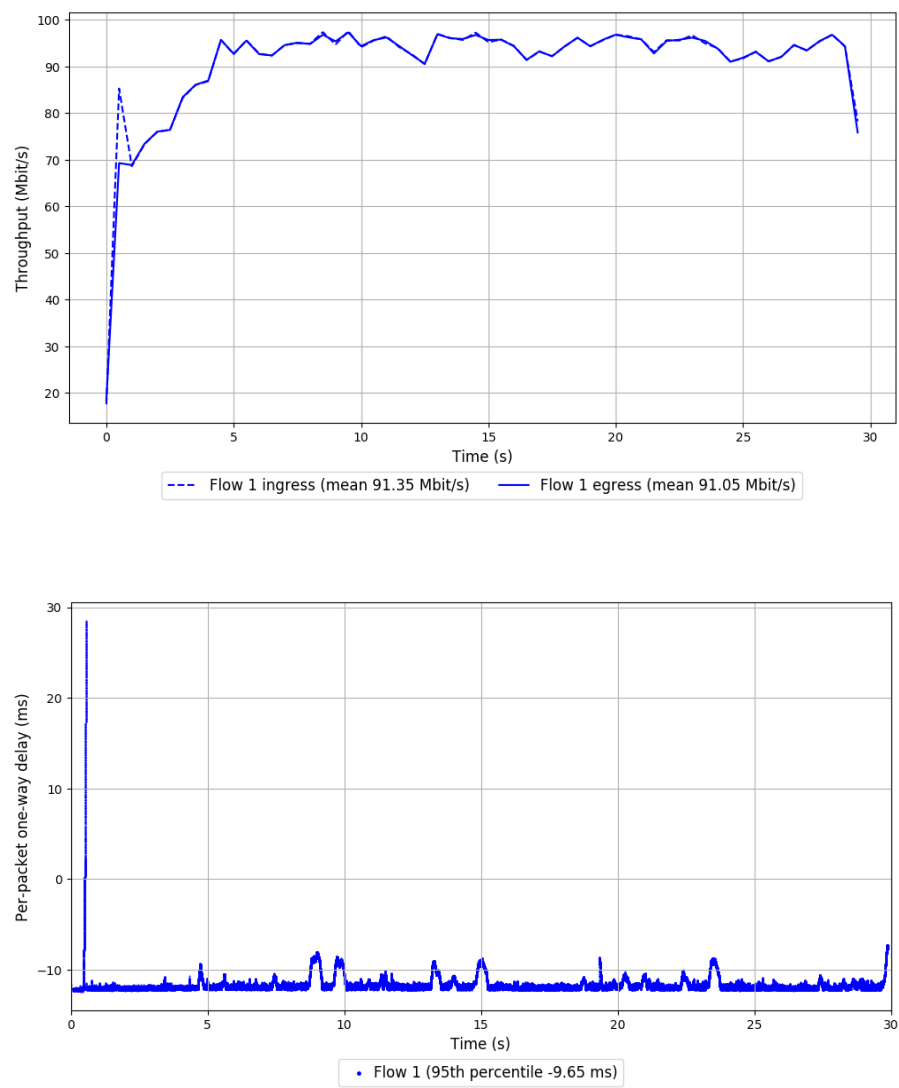


Run 3: Statistics of PCC

Start at: 2017-11-30 12:34:40
End at: 2017-11-30 12:35:10
Local clock offset: -3.954 ms
Remote clock offset: -25.763 ms

Below is generated by plot.py at 2017-11-30 15:01:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.05 Mbit/s
95th percentile per-packet one-way delay: -9.651 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 91.05 Mbit/s
95th percentile per-packet one-way delay: -9.651 ms
Loss rate: 0.31%

Run 3: Report of PCC — Data Link

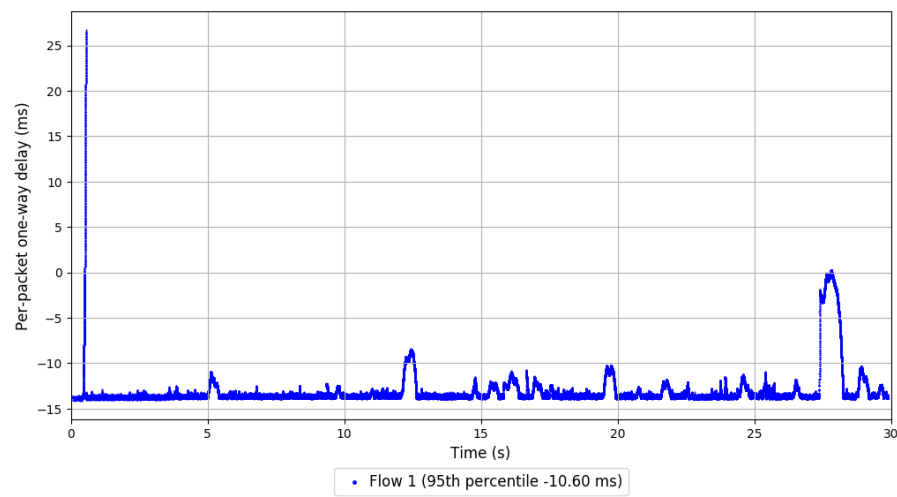
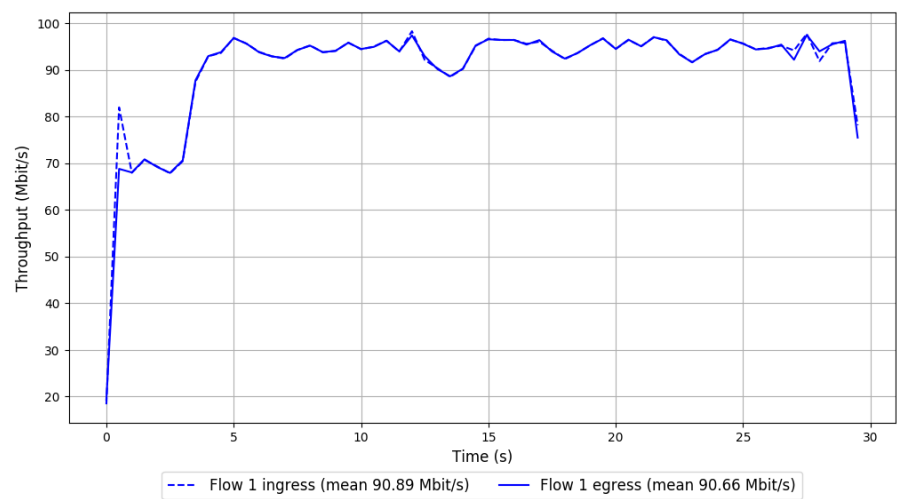


Run 4: Statistics of PCC

Start at: 2017-11-30 12:51:33
End at: 2017-11-30 12:52:03
Local clock offset: -3.491 ms
Remote clock offset: -24.864 ms

Below is generated by plot.py at 2017-11-30 15:01:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.66 Mbit/s
95th percentile per-packet one-way delay: -10.600 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 90.66 Mbit/s
95th percentile per-packet one-way delay: -10.600 ms
Loss rate: 0.26%

Run 4: Report of PCC — Data Link

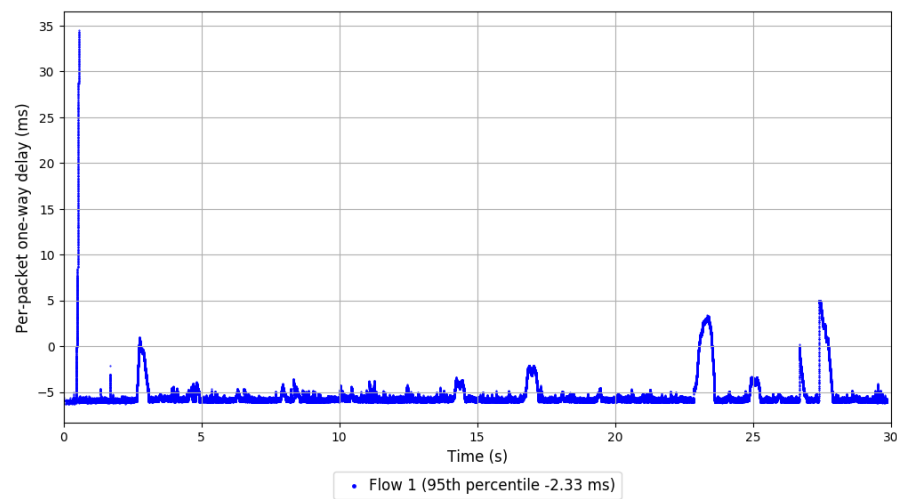
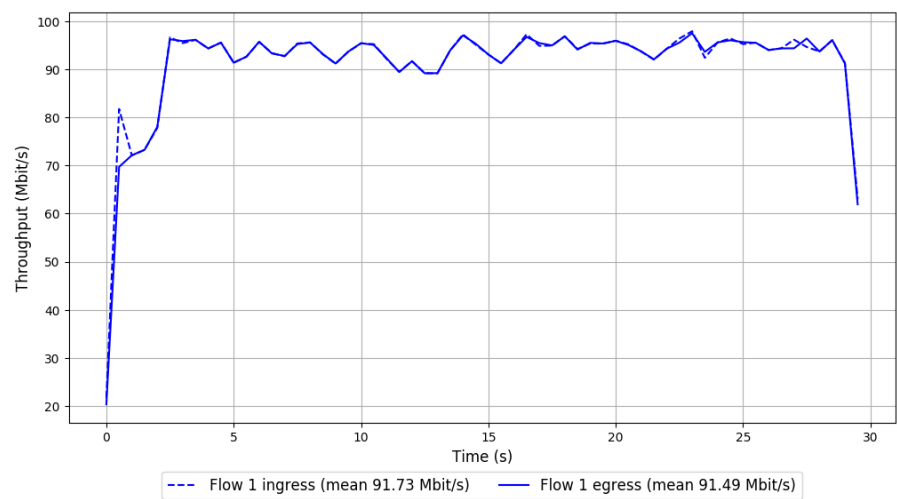


Run 5: Statistics of PCC

Start at: 2017-11-30 13:08:27
End at: 2017-11-30 13:08:57
Local clock offset: -9.07 ms
Remote clock offset: -21.952 ms

Below is generated by plot.py at 2017-11-30 15:02:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.49 Mbit/s
95th percentile per-packet one-way delay: -2.327 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 91.49 Mbit/s
95th percentile per-packet one-way delay: -2.327 ms
Loss rate: 0.26%

Run 5: Report of PCC — Data Link

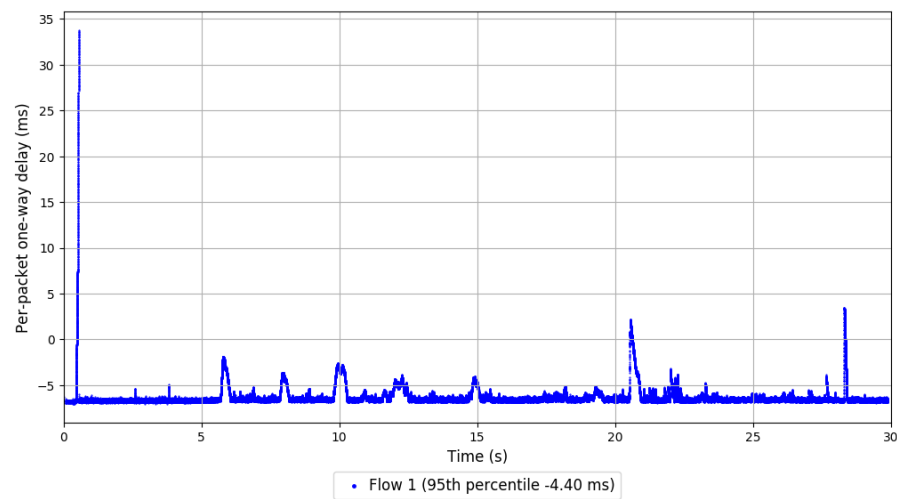
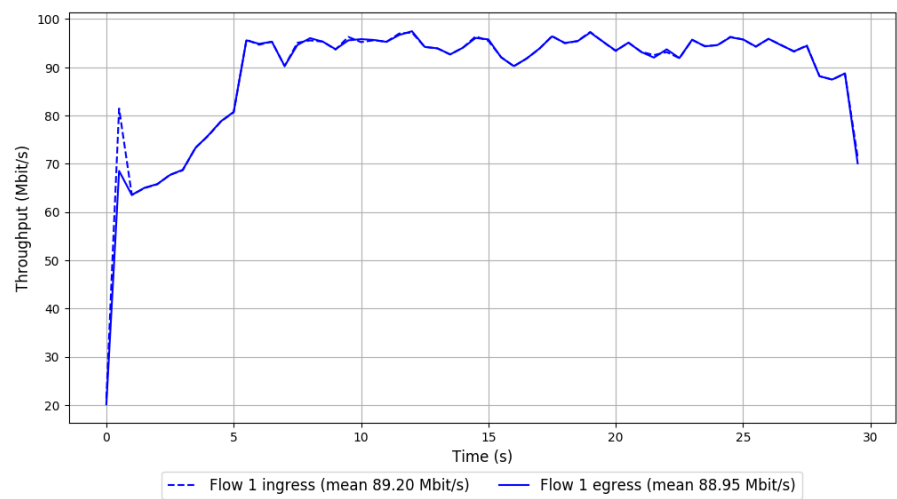


Run 6: Statistics of PCC

Start at: 2017-11-30 13:25:10
End at: 2017-11-30 13:25:40
Local clock offset: -5.259 ms
Remote clock offset: -17.838 ms

Below is generated by plot.py at 2017-11-30 15:02:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.95 Mbit/s
95th percentile per-packet one-way delay: -4.404 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 88.95 Mbit/s
95th percentile per-packet one-way delay: -4.404 ms
Loss rate: 0.28%

Run 6: Report of PCC — Data Link

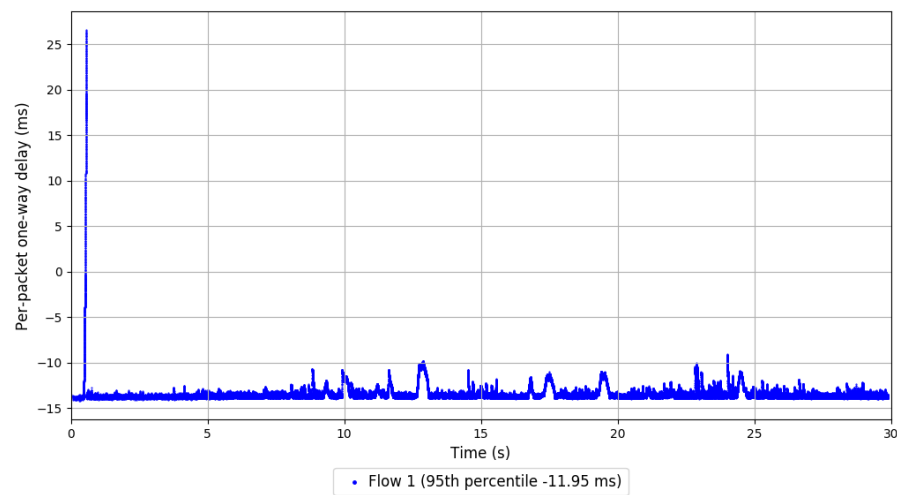
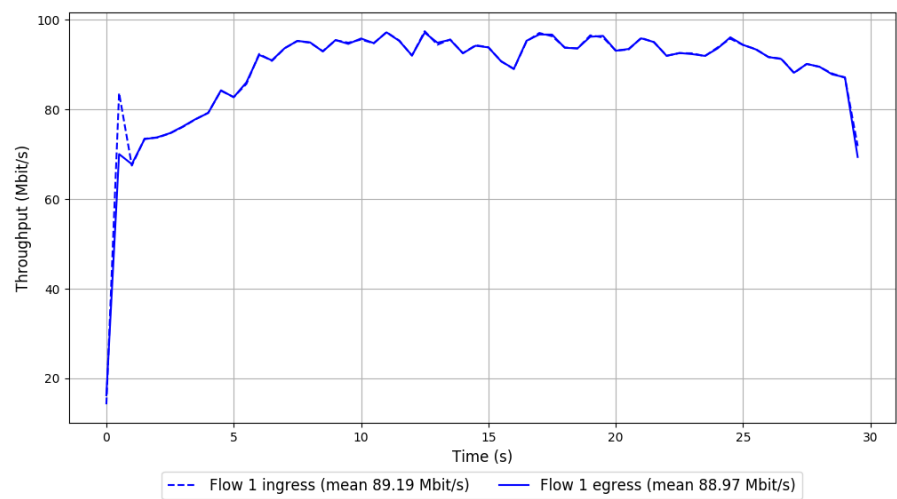


Run 7: Statistics of PCC

Start at: 2017-11-30 13:41:40
End at: 2017-11-30 13:42:10
Local clock offset: -5.666 ms
Remote clock offset: -24.462 ms

Below is generated by plot.py at 2017-11-30 15:02:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.97 Mbit/s
95th percentile per-packet one-way delay: -11.946 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 88.97 Mbit/s
95th percentile per-packet one-way delay: -11.946 ms
Loss rate: 0.25%

Run 7: Report of PCC — Data Link

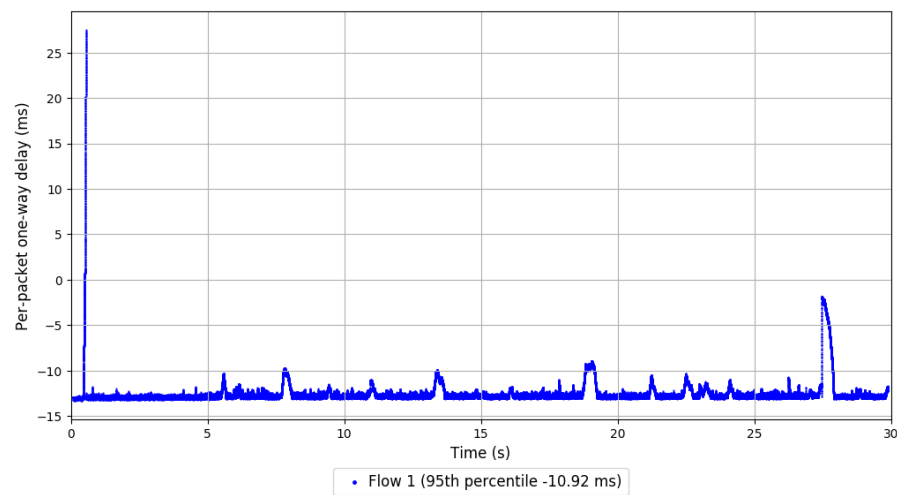
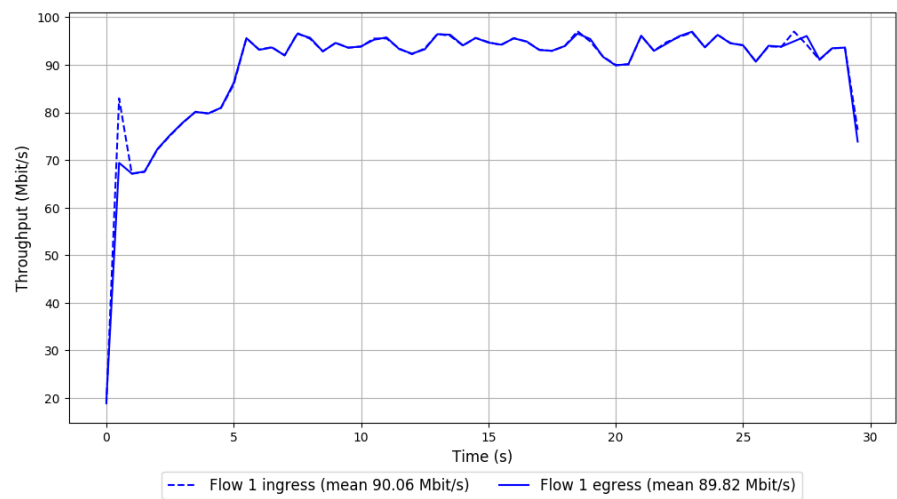


Run 8: Statistics of PCC

Start at: 2017-11-30 13:58:10
End at: 2017-11-30 13:58:40
Local clock offset: -5.093 ms
Remote clock offset: -22.372 ms

Below is generated by plot.py at 2017-11-30 15:02:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.82 Mbit/s
95th percentile per-packet one-way delay: -10.919 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 89.82 Mbit/s
95th percentile per-packet one-way delay: -10.919 ms
Loss rate: 0.27%

Run 8: Report of PCC — Data Link

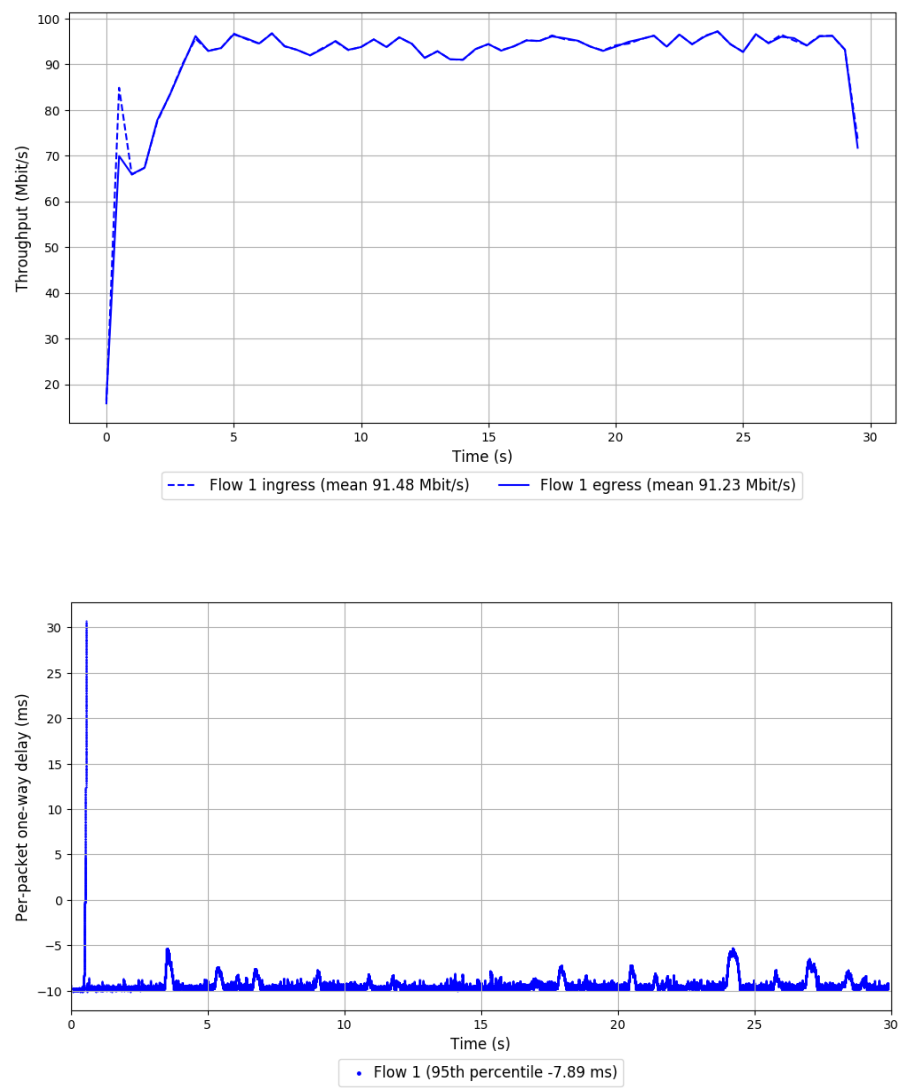


Run 9: Statistics of PCC

Start at: 2017-11-30 14:14:38
End at: 2017-11-30 14:15:08
Local clock offset: -7.379 ms
Remote clock offset: -21.879 ms

Below is generated by plot.py at 2017-11-30 15:03:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.23 Mbit/s
95th percentile per-packet one-way delay: -7.892 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 91.23 Mbit/s
95th percentile per-packet one-way delay: -7.892 ms
Loss rate: 0.28%

Run 9: Report of PCC — Data Link

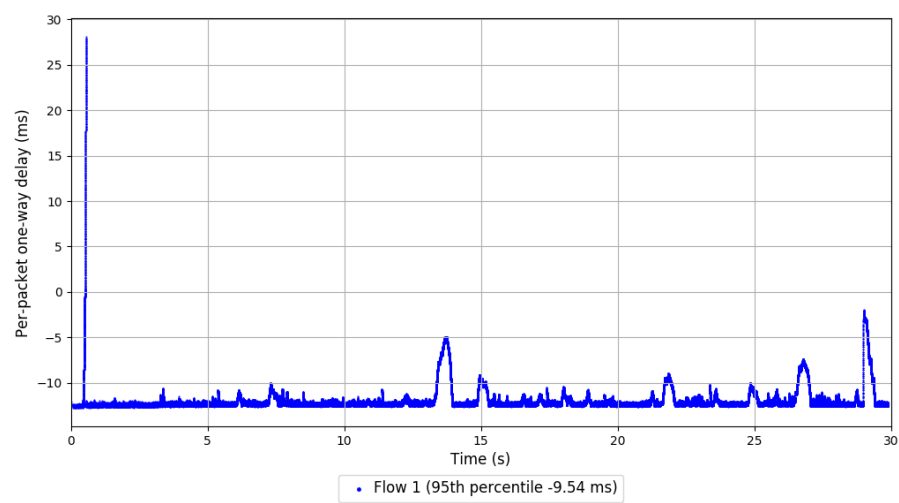
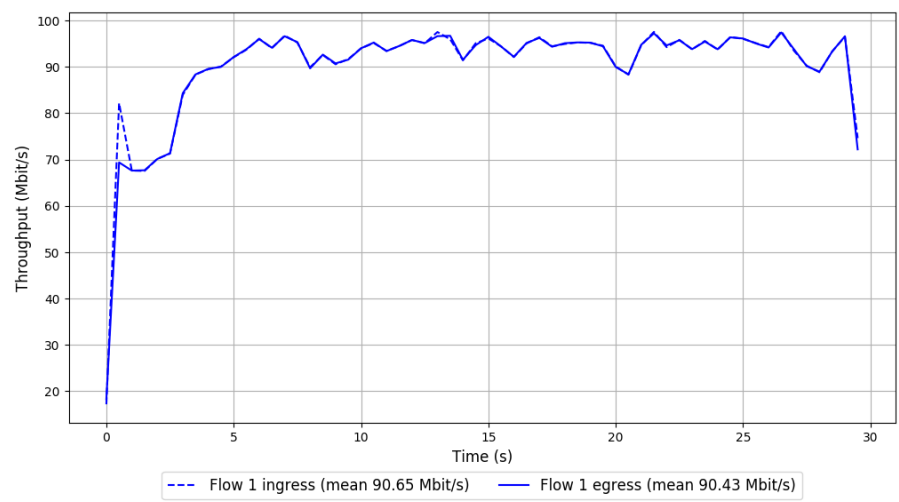


Run 10: Statistics of PCC

Start at: 2017-11-30 14:31:09
End at: 2017-11-30 14:31:39
Local clock offset: -4.225 ms
Remote clock offset: -20.622 ms

Below is generated by plot.py at 2017-11-30 15:03:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.43 Mbit/s
95th percentile per-packet one-way delay: -9.539 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 90.43 Mbit/s
95th percentile per-packet one-way delay: -9.539 ms
Loss rate: 0.25%

Run 10: Report of PCC — Data Link

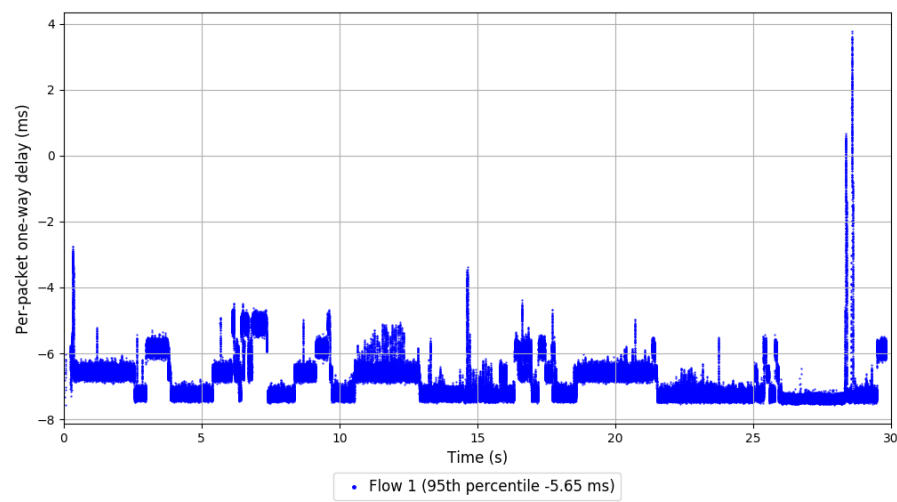
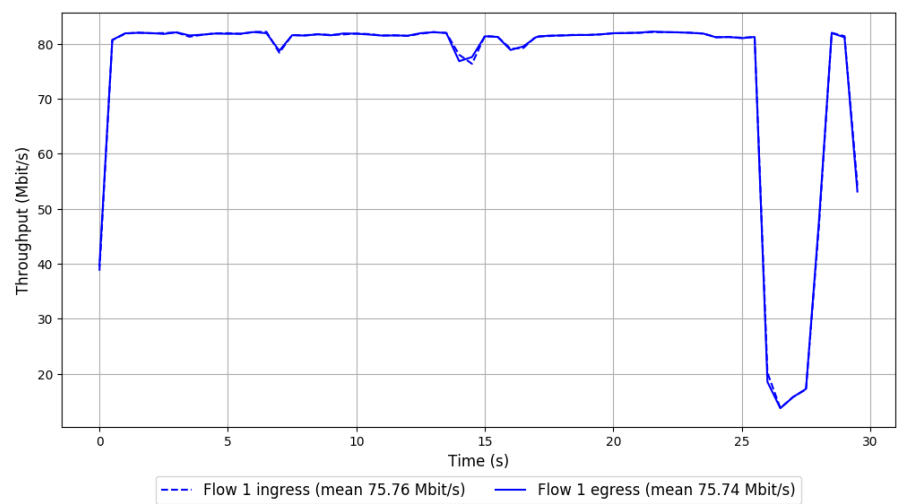


Run 1: Statistics of QUIC Cubic

Start at: 2017-11-30 12:00:07
End at: 2017-11-30 12:00:37
Local clock offset: -1.079 ms
Remote clock offset: -19.468 ms

Below is generated by plot.py at 2017-11-30 15:03:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.74 Mbit/s
95th percentile per-packet one-way delay: -5.652 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 75.74 Mbit/s
95th percentile per-packet one-way delay: -5.652 ms
Loss rate: 0.02%

Run 1: Report of QUIC Cubic — Data Link

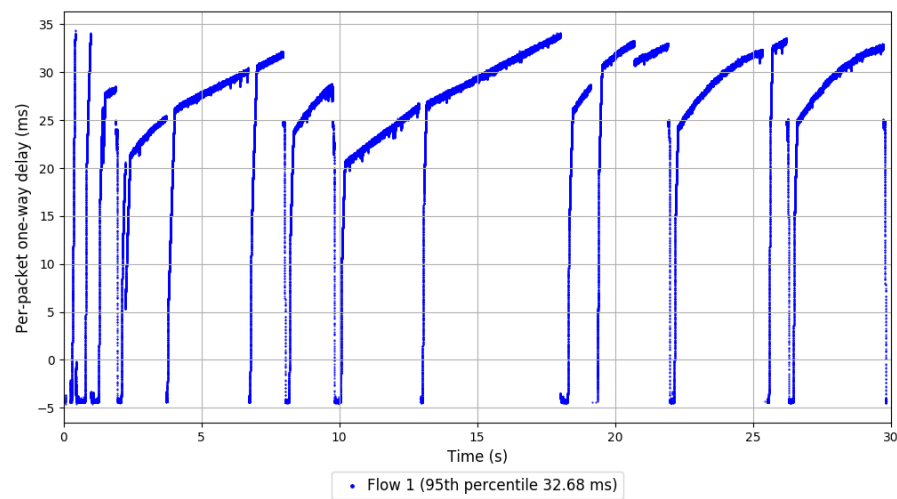
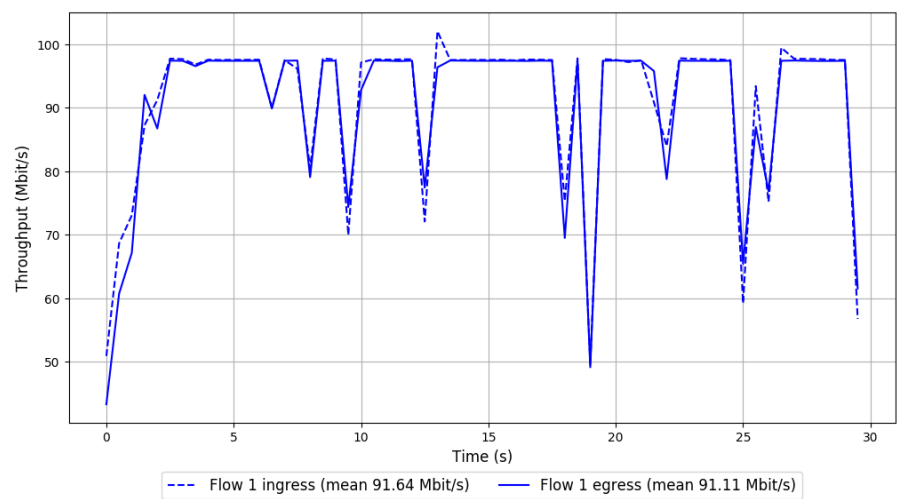


Run 2: Statistics of QUIC Cubic

Start at: 2017-11-30 12:16:37
End at: 2017-11-30 12:17:07
Local clock offset: -3.462 ms
Remote clock offset: -17.887 ms

Below is generated by plot.py at 2017-11-30 15:03:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.11 Mbit/s
95th percentile per-packet one-way delay: 32.681 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 91.11 Mbit/s
95th percentile per-packet one-way delay: 32.681 ms
Loss rate: 0.58%

Run 2: Report of QUIC Cubic — Data Link

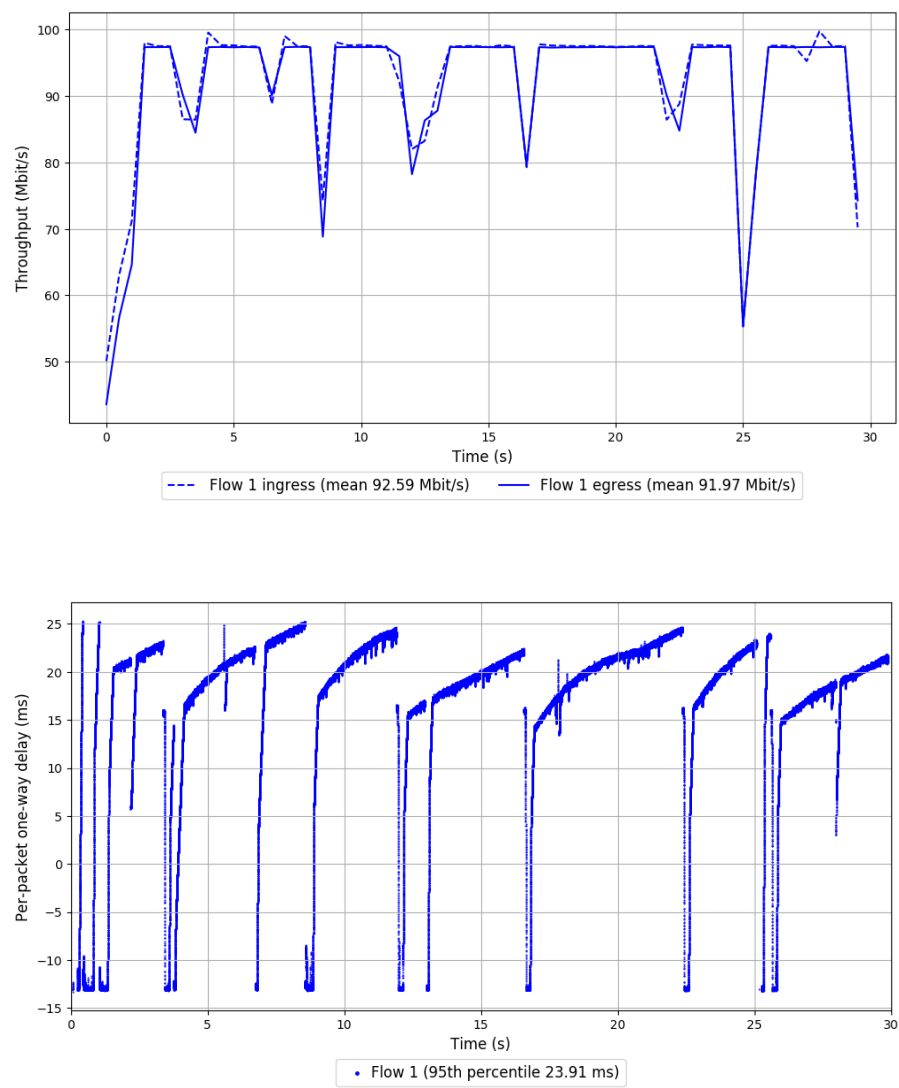


Run 3: Statistics of QUIC Cubic

Start at: 2017-11-30 12:33:26
End at: 2017-11-30 12:33:56
Local clock offset: -1.903 ms
Remote clock offset: -24.702 ms

Below is generated by plot.py at 2017-11-30 15:03:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.97 Mbit/s
95th percentile per-packet one-way delay: 23.908 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 91.97 Mbit/s
95th percentile per-packet one-way delay: 23.908 ms
Loss rate: 0.56%

Run 3: Report of QUIC Cubic — Data Link

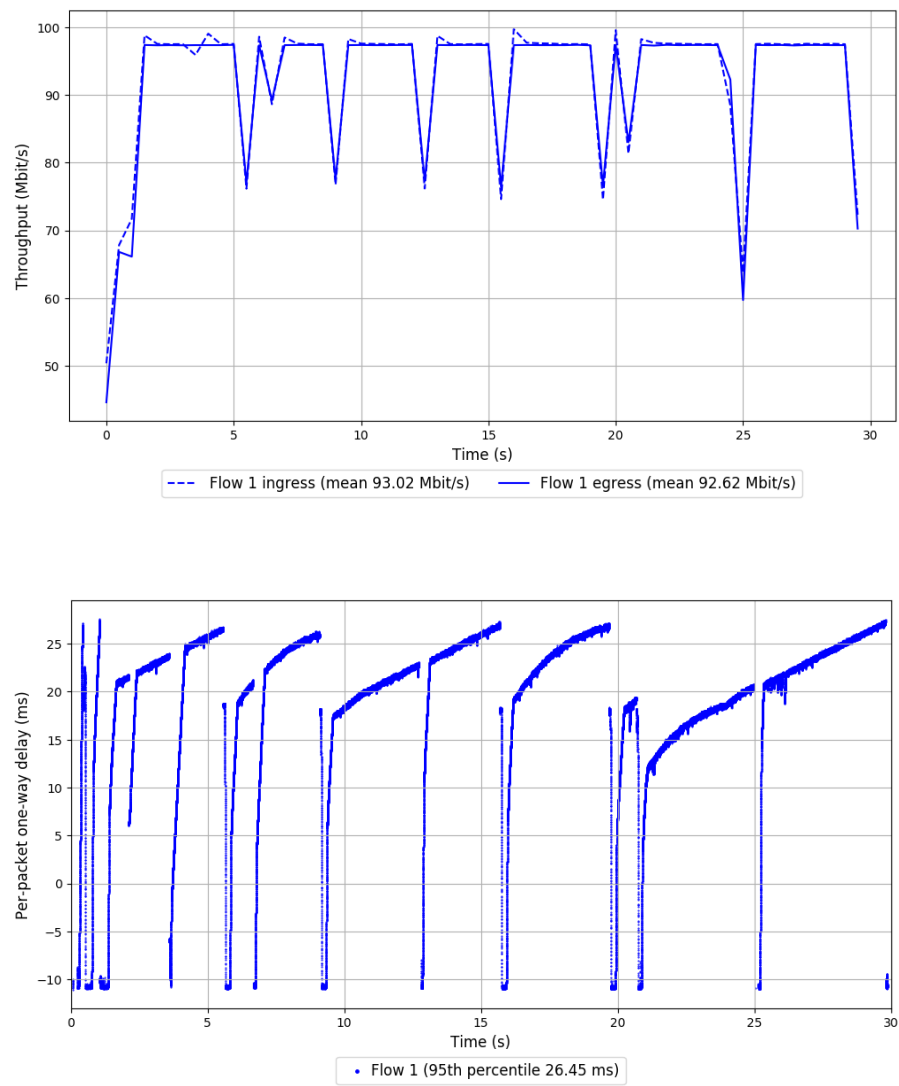


Run 4: Statistics of QUIC Cubic

Start at: 2017-11-30 12:50:23
End at: 2017-11-30 12:50:53
Local clock offset: -3.607 ms
Remote clock offset: -22.196 ms

Below is generated by plot.py at 2017-11-30 15:04:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.62 Mbit/s
95th percentile per-packet one-way delay: 26.455 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 92.62 Mbit/s
95th percentile per-packet one-way delay: 26.455 ms
Loss rate: 0.43%

Run 4: Report of QUIC Cubic — Data Link

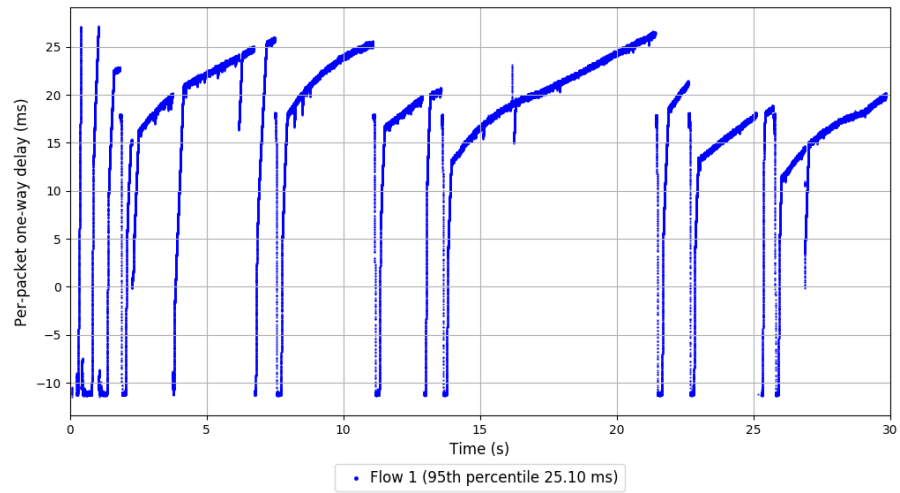
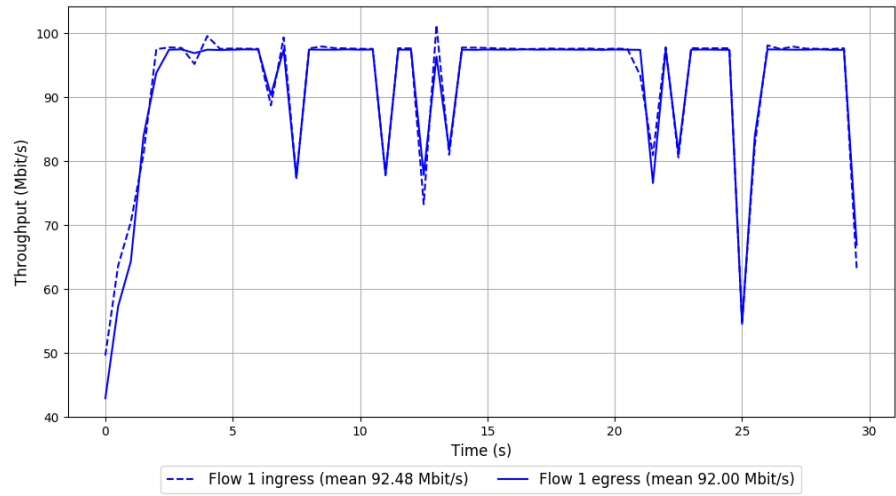


Run 5: Statistics of QUIC Cubic

Start at: 2017-11-30 13:07:16
End at: 2017-11-30 13:07:46
Local clock offset: -6.52 ms
Remote clock offset: -24.368 ms

Below is generated by plot.py at 2017-11-30 15:04:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.00 Mbit/s
95th percentile per-packet one-way delay: 25.099 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 92.00 Mbit/s
95th percentile per-packet one-way delay: 25.099 ms
Loss rate: 0.42%

Run 5: Report of QUIC Cubic — Data Link

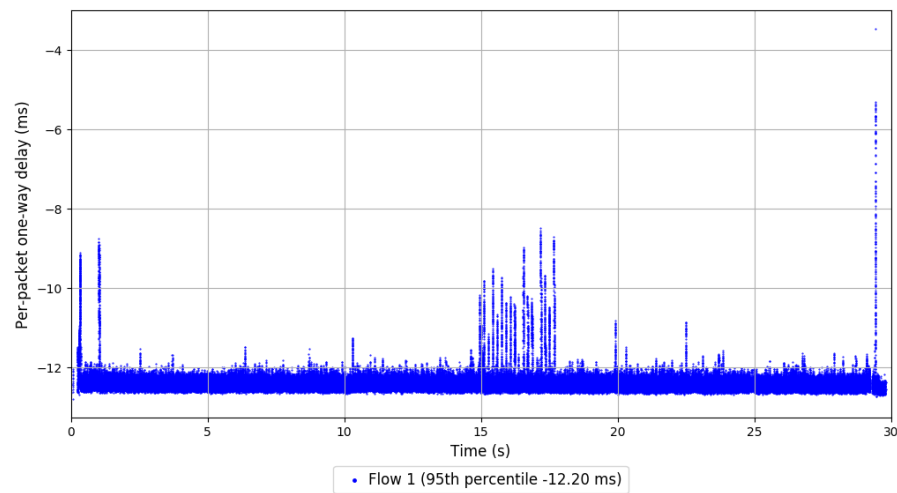
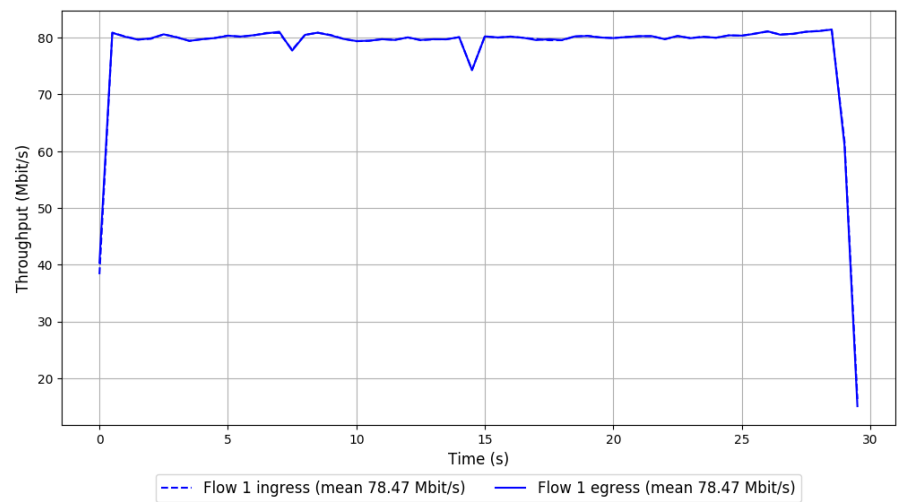


Run 6: Statistics of QUIC Cubic

Start at: 2017-11-30 13:23:57
End at: 2017-11-30 13:24:28
Local clock offset: -4.519 ms
Remote clock offset: -22.918 ms

Below is generated by plot.py at 2017-11-30 15:04:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.47 Mbit/s
95th percentile per-packet one-way delay: -12.195 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 78.47 Mbit/s
95th percentile per-packet one-way delay: -12.195 ms
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

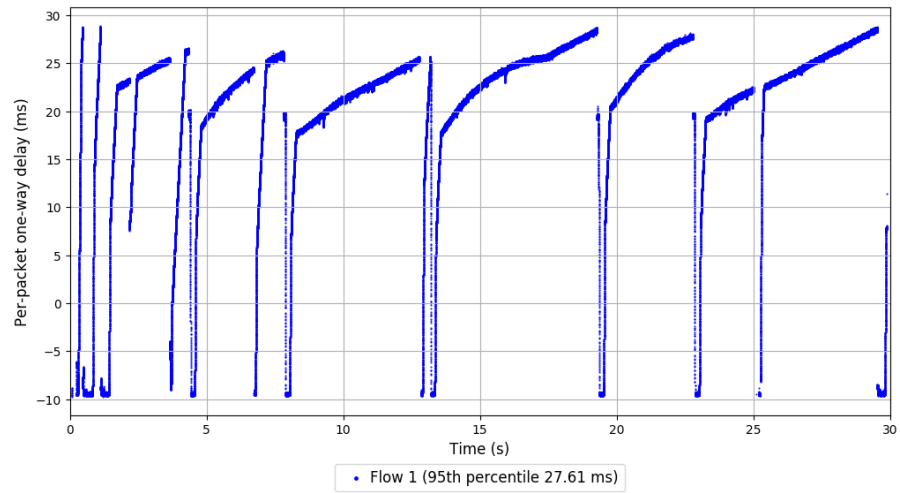
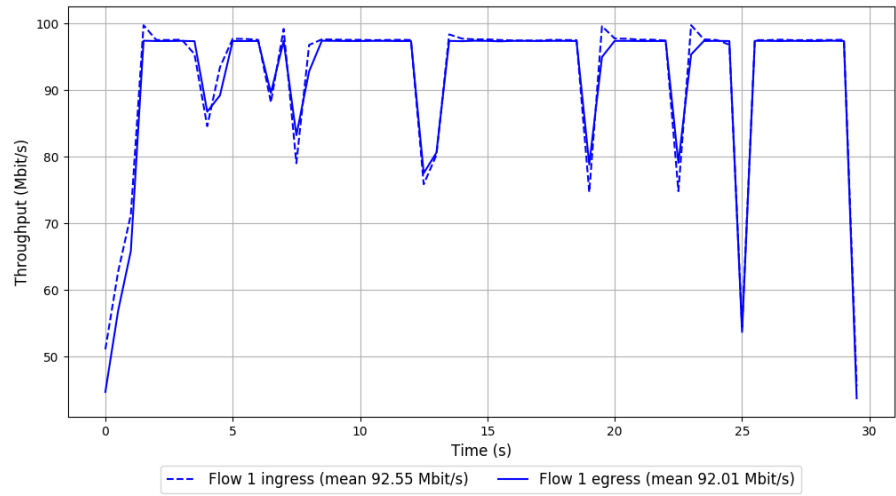


Run 7: Statistics of QUIC Cubic

Start at: 2017-11-30 13:40:29
End at: 2017-11-30 13:40:59
Local clock offset: -8.161 ms
Remote clock offset: -22.883 ms

Below is generated by plot.py at 2017-11-30 15:04:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.01 Mbit/s
95th percentile per-packet one-way delay: 27.615 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 92.01 Mbit/s
95th percentile per-packet one-way delay: 27.615 ms
Loss rate: 0.52%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2017-11-30 13:56:58

End at: 2017-11-30 13:57:28

Local clock offset: -6.837 ms

Remote clock offset: -22.63 ms

Below is generated by plot.py at 2017-11-30 15:04:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.45 Mbit/s

95th percentile per-packet one-way delay: -11.228 ms

Loss rate: 0.00%

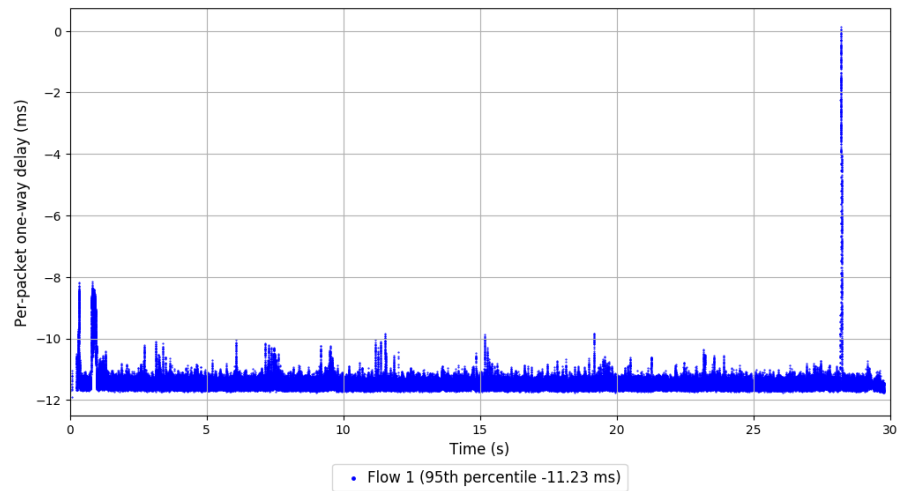
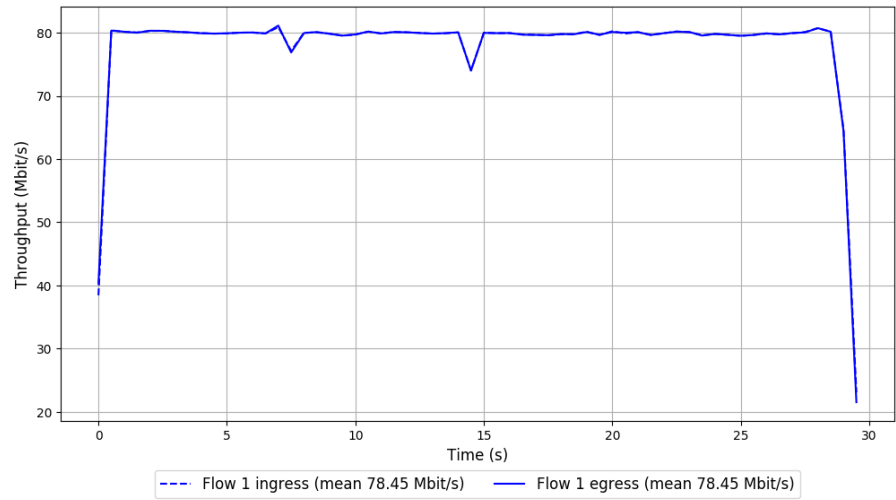
-- Flow 1:

Average throughput: 78.45 Mbit/s

95th percentile per-packet one-way delay: -11.228 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

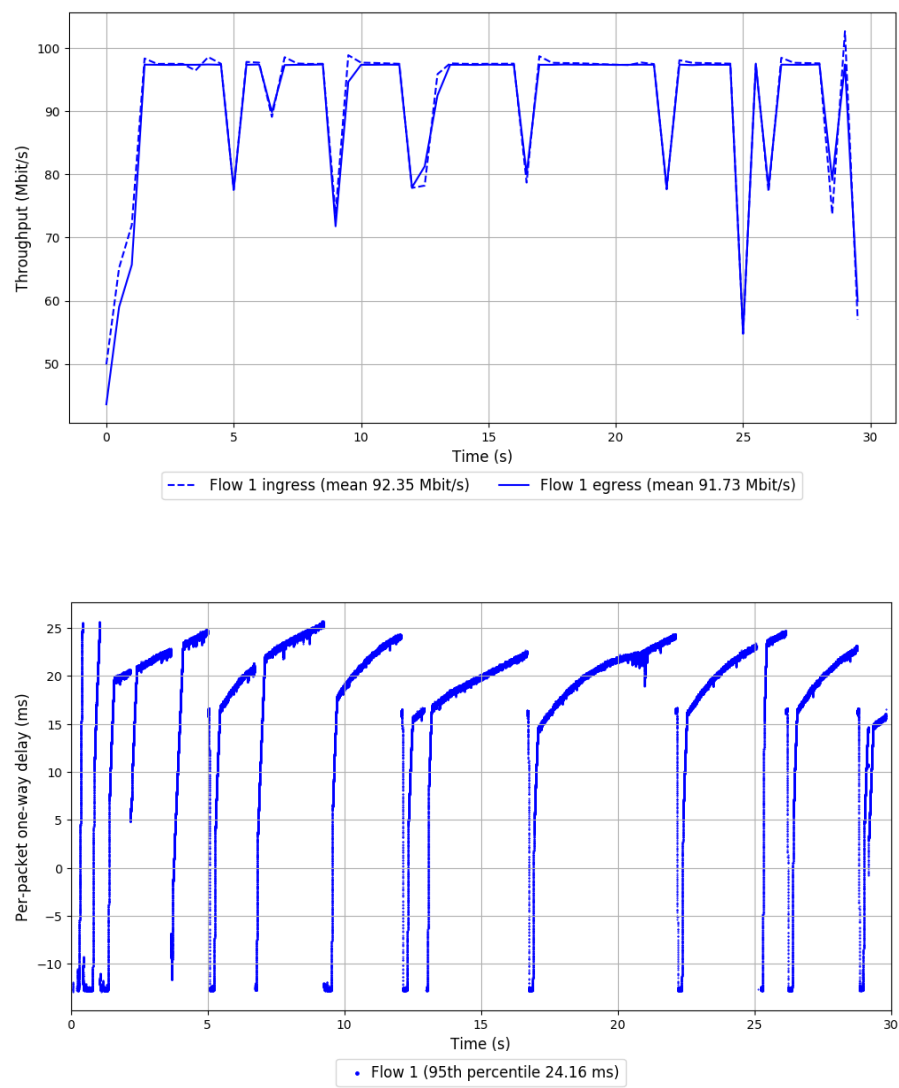


Run 9: Statistics of QUIC Cubic

Start at: 2017-11-30 14:13:27
End at: 2017-11-30 14:13:57
Local clock offset: -5.488 ms
Remote clock offset: -22.376 ms

Below is generated by plot.py at 2017-11-30 15:05:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.73 Mbit/s
95th percentile per-packet one-way delay: 24.165 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 91.73 Mbit/s
95th percentile per-packet one-way delay: 24.165 ms
Loss rate: 0.58%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2017-11-30 14:29:58

End at: 2017-11-30 14:30:28

Local clock offset: -6.587 ms

Remote clock offset: -23.609 ms

Below is generated by plot.py at 2017-11-30 15:05:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.12 Mbit/s

95th percentile per-packet one-way delay: 22.659 ms

Loss rate: 0.42%

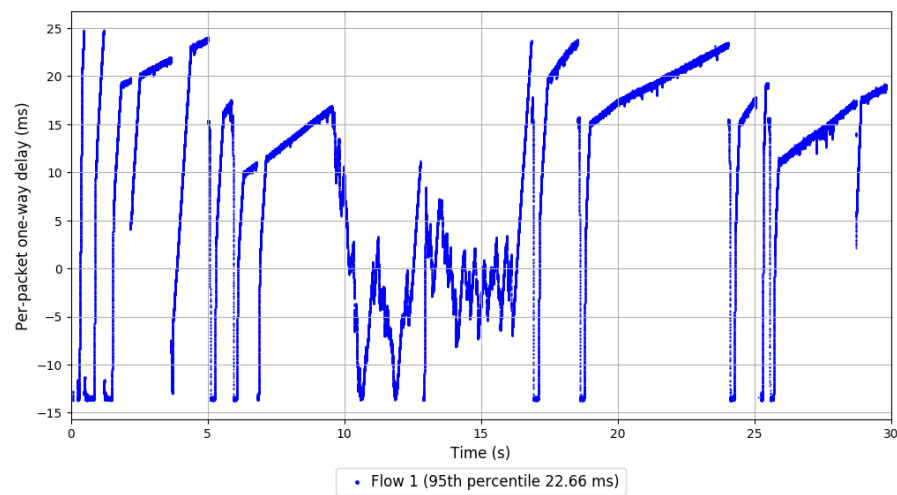
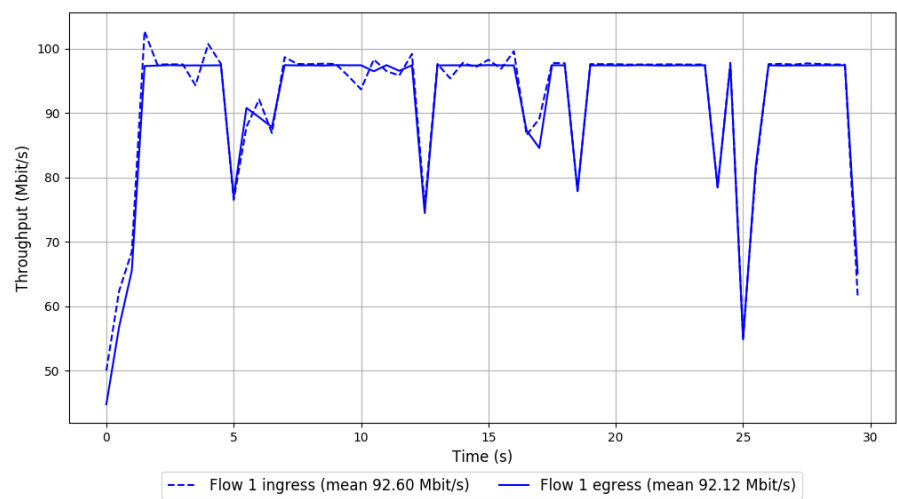
-- Flow 1:

Average throughput: 92.12 Mbit/s

95th percentile per-packet one-way delay: 22.659 ms

Loss rate: 0.42%

Run 10: Report of QUIC Cubic — Data Link

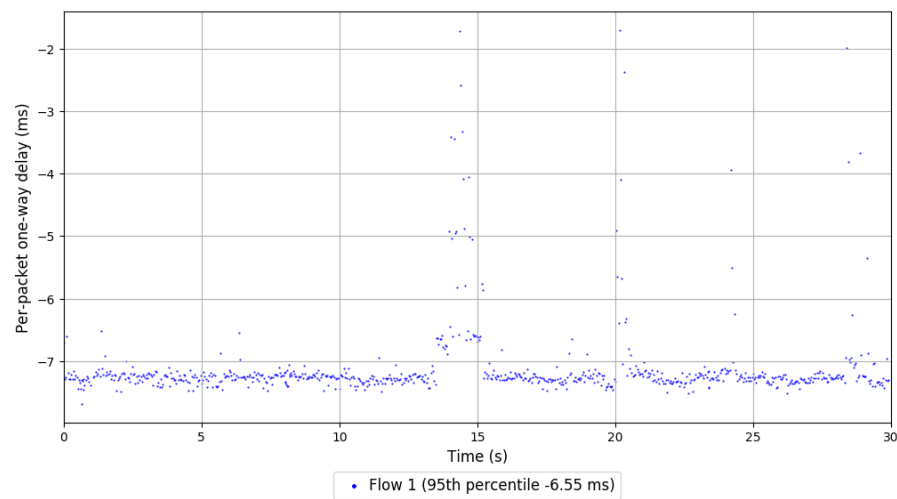
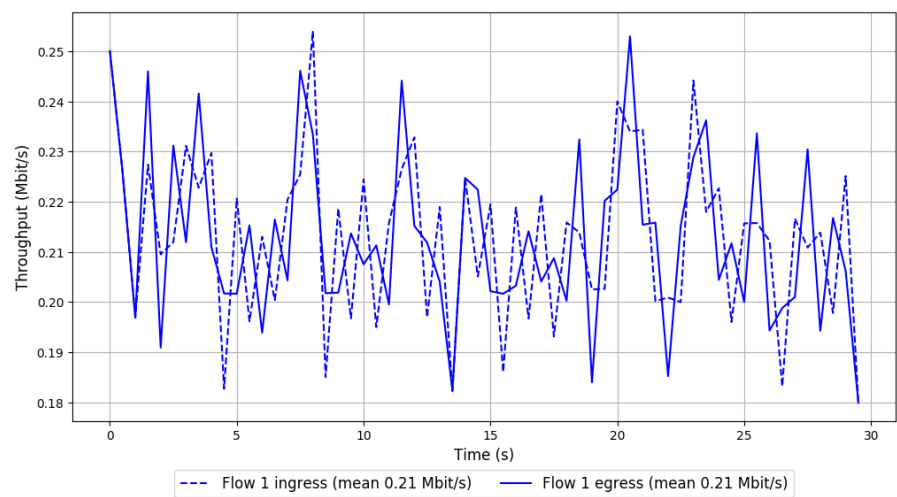


Run 1: Statistics of SCReAM

Start at: 2017-11-30 11:49:23
End at: 2017-11-30 11:49:53
Local clock offset: 1.829 ms
Remote clock offset: -17.308 ms

Below is generated by plot.py at 2017-11-30 15:05:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.550 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.550 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

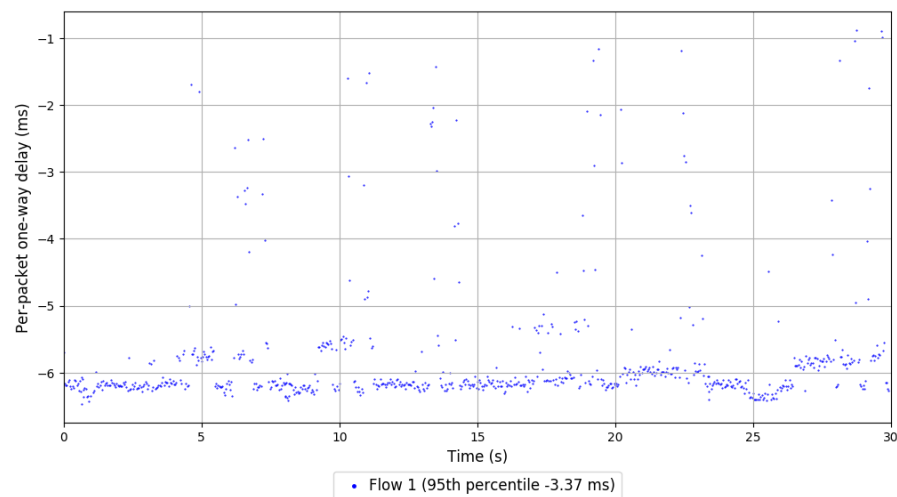
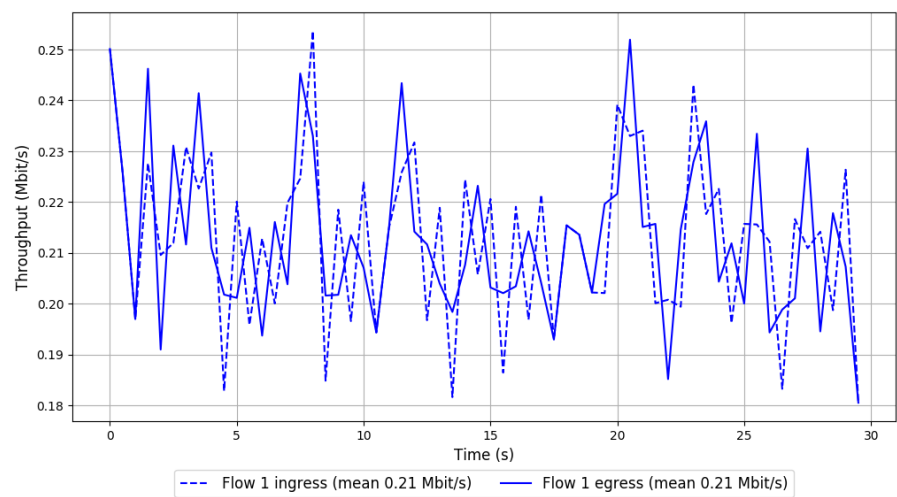


Run 2: Statistics of SCReAM

Start at: 2017-11-30 12:05:51
End at: 2017-11-30 12:06:21
Local clock offset: -1.744 ms
Remote clock offset: -18.909 ms

Below is generated by plot.py at 2017-11-30 15:05:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -3.365 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -3.365 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

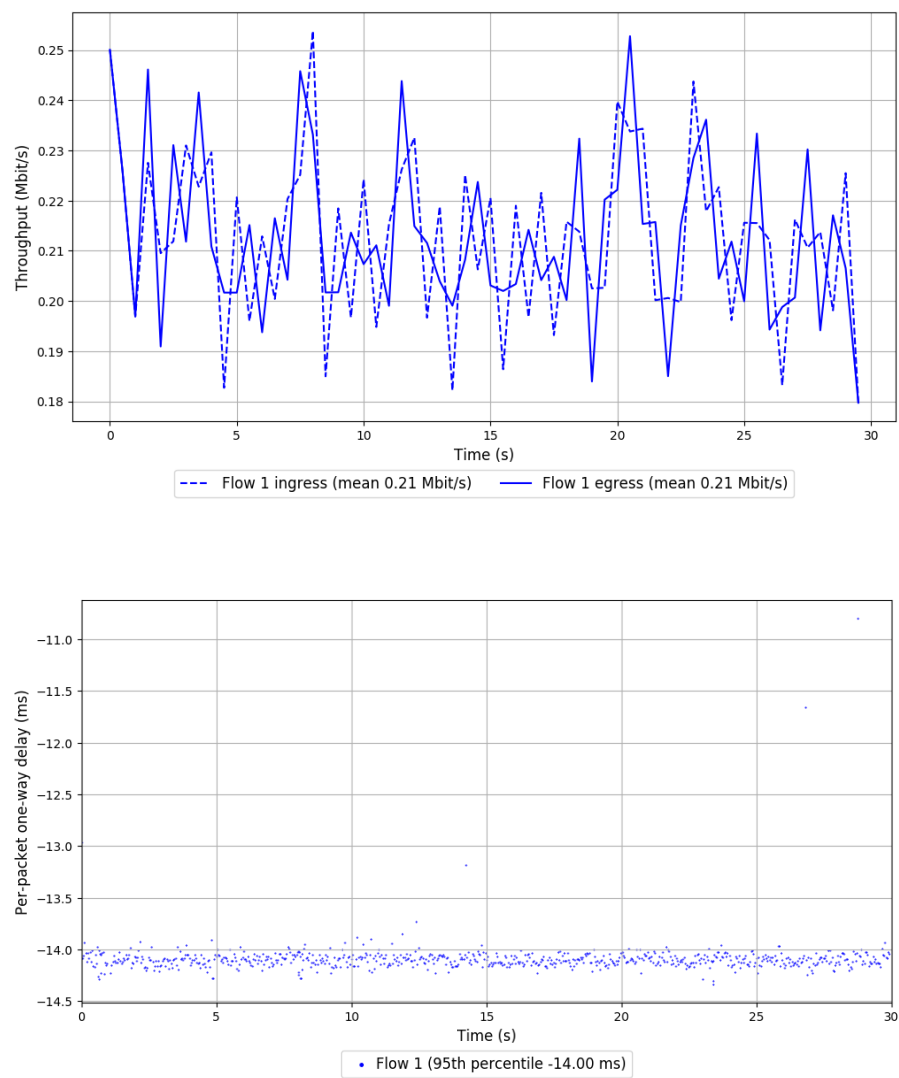


Run 3: Statistics of SCReAM

Start at: 2017-11-30 12:22:35
End at: 2017-11-30 12:23:05
Local clock offset: -1.673 ms
Remote clock offset: -25.993 ms

Below is generated by plot.py at 2017-11-30 15:05:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -14.001 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -14.001 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

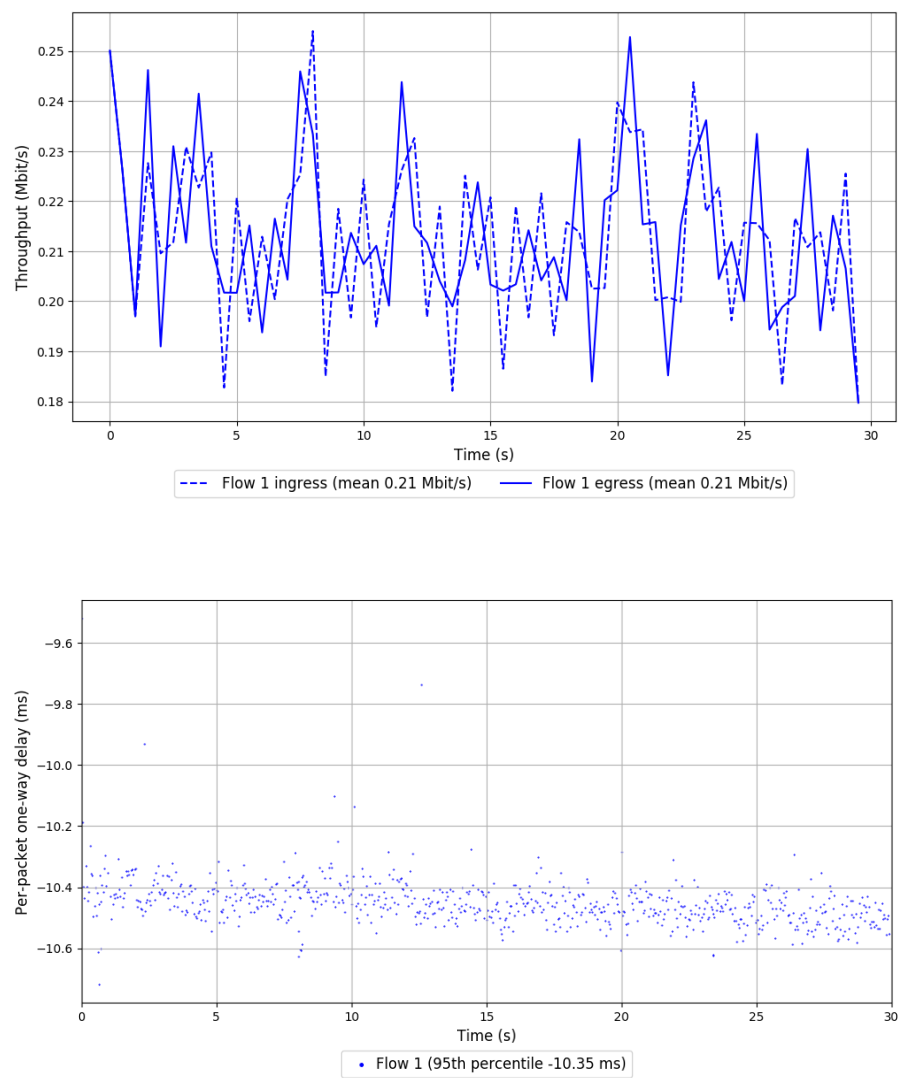


Run 4: Statistics of SCReAM

Start at: 2017-11-30 12:39:30
End at: 2017-11-30 12:40:00
Local clock offset: -4.542 ms
Remote clock offset: -23.653 ms

Below is generated by plot.py at 2017-11-30 15:05:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -10.347 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -10.347 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

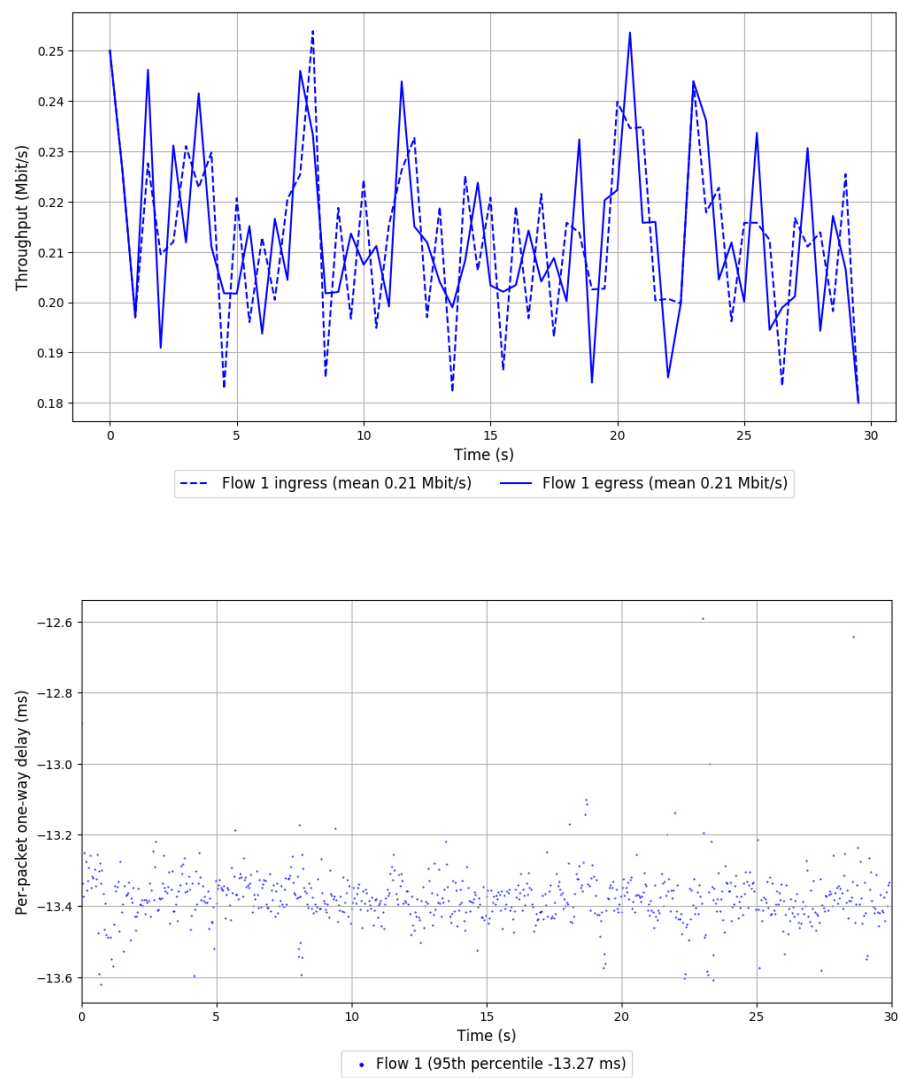


Run 5: Statistics of SCReAM

Start at: 2017-11-30 12:56:08
End at: 2017-11-30 12:56:38
Local clock offset: -4.084 ms
Remote clock offset: -24.633 ms

Below is generated by plot.py at 2017-11-30 15:05:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -13.274 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -13.274 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

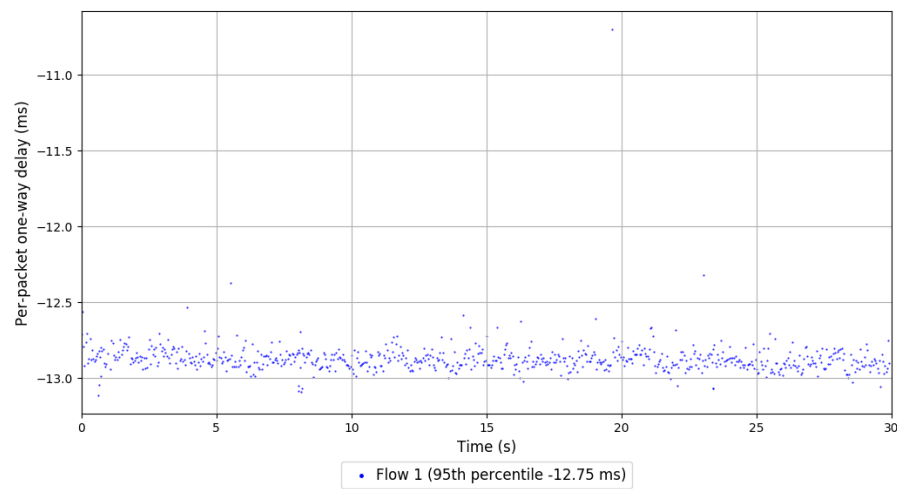
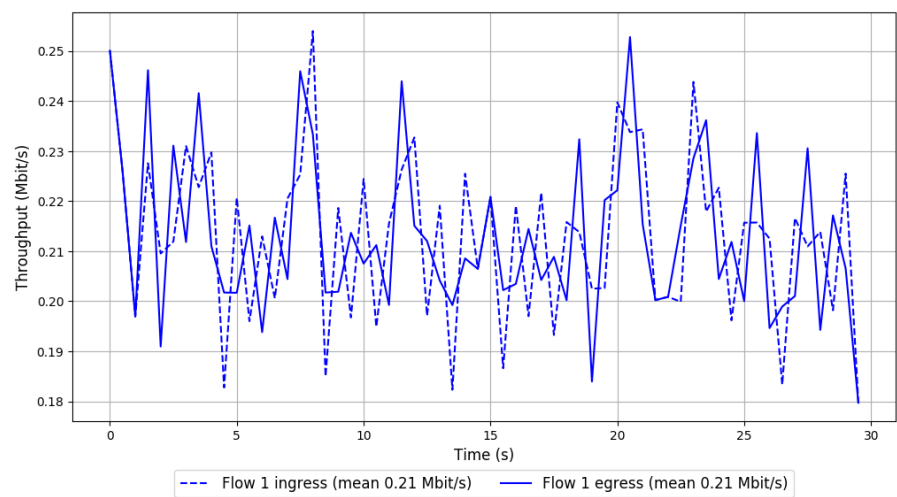


Run 6: Statistics of SCReAM

Start at: 2017-11-30 13:13:15
End at: 2017-11-30 13:13:45
Local clock offset: -3.334 ms
Remote clock offset: -22.578 ms

Below is generated by plot.py at 2017-11-30 15:05:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -12.753 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -12.753 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

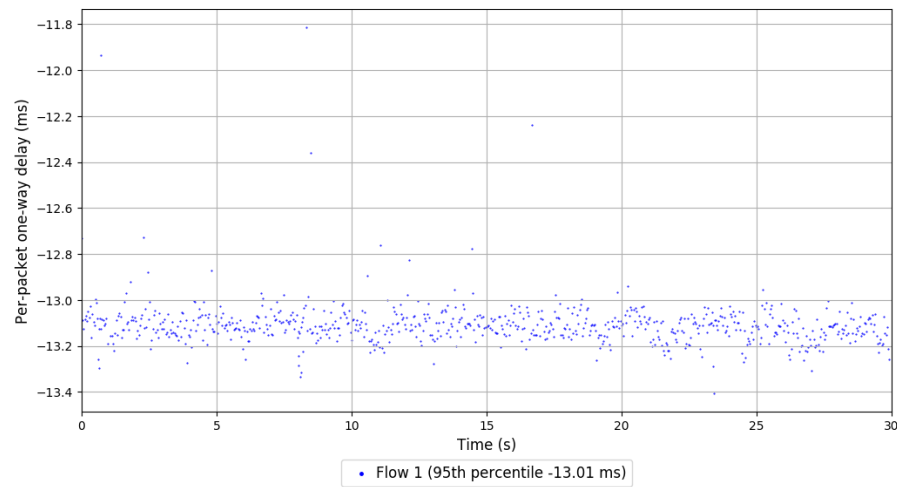
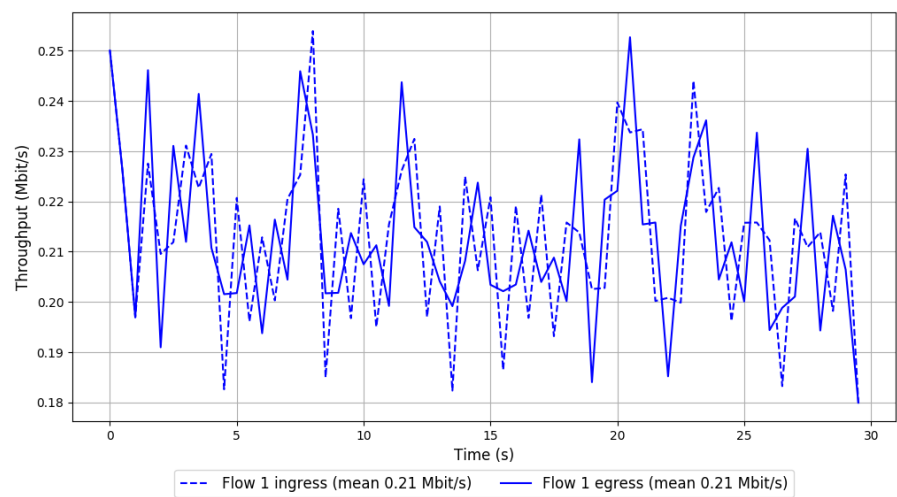


Run 7: Statistics of SCReAM

Start at: 2017-11-30 13:29:54
End at: 2017-11-30 13:30:24
Local clock offset: -6.134 ms
Remote clock offset: -24.628 ms

Below is generated by plot.py at 2017-11-30 15:05:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -13.013 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -13.013 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

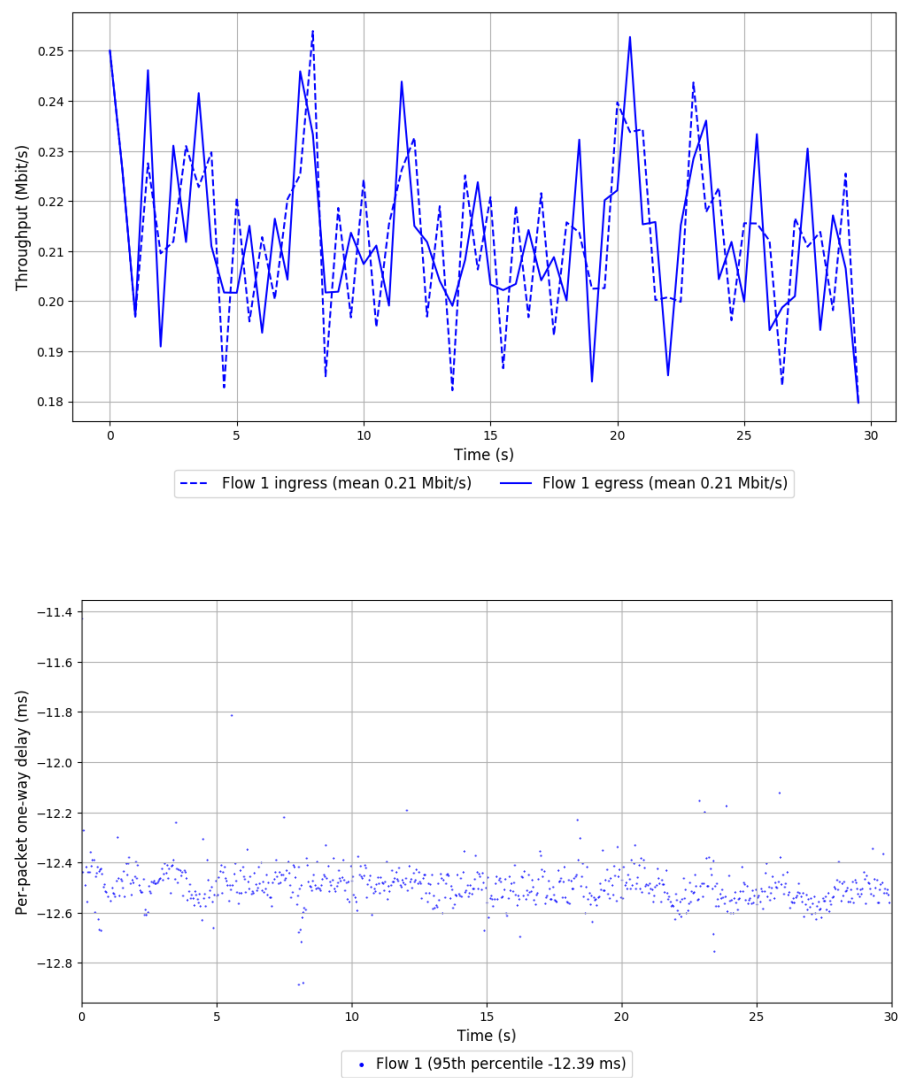


Run 8: Statistics of SCReAM

Start at: 2017-11-30 13:46:15
End at: 2017-11-30 13:46:45
Local clock offset: -6.173 ms
Remote clock offset: -23.954 ms

Below is generated by plot.py at 2017-11-30 15:05:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -12.389 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -12.389 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

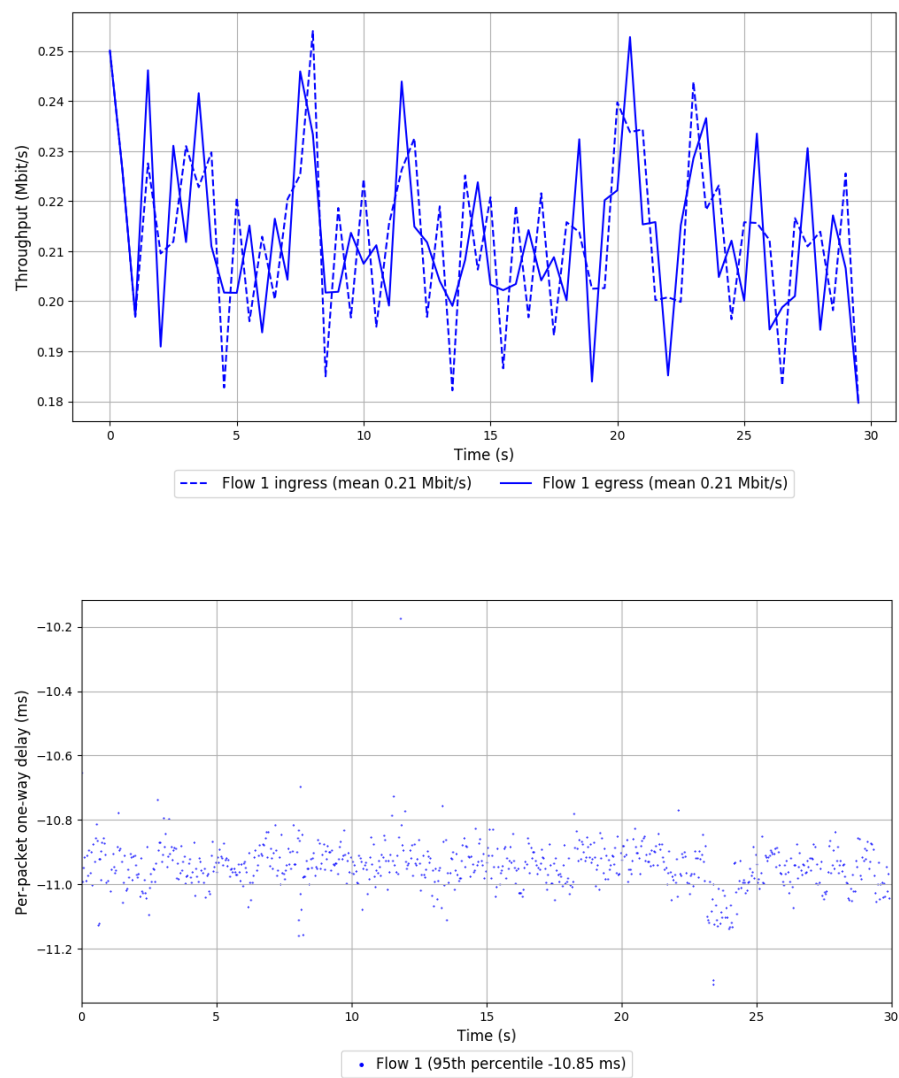


Run 9: Statistics of SCReAM

Start at: 2017-11-30 14:02:51
End at: 2017-11-30 14:03:21
Local clock offset: -7.231 ms
Remote clock offset: -22.96 ms

Below is generated by plot.py at 2017-11-30 15:05:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -10.853 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -10.853 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

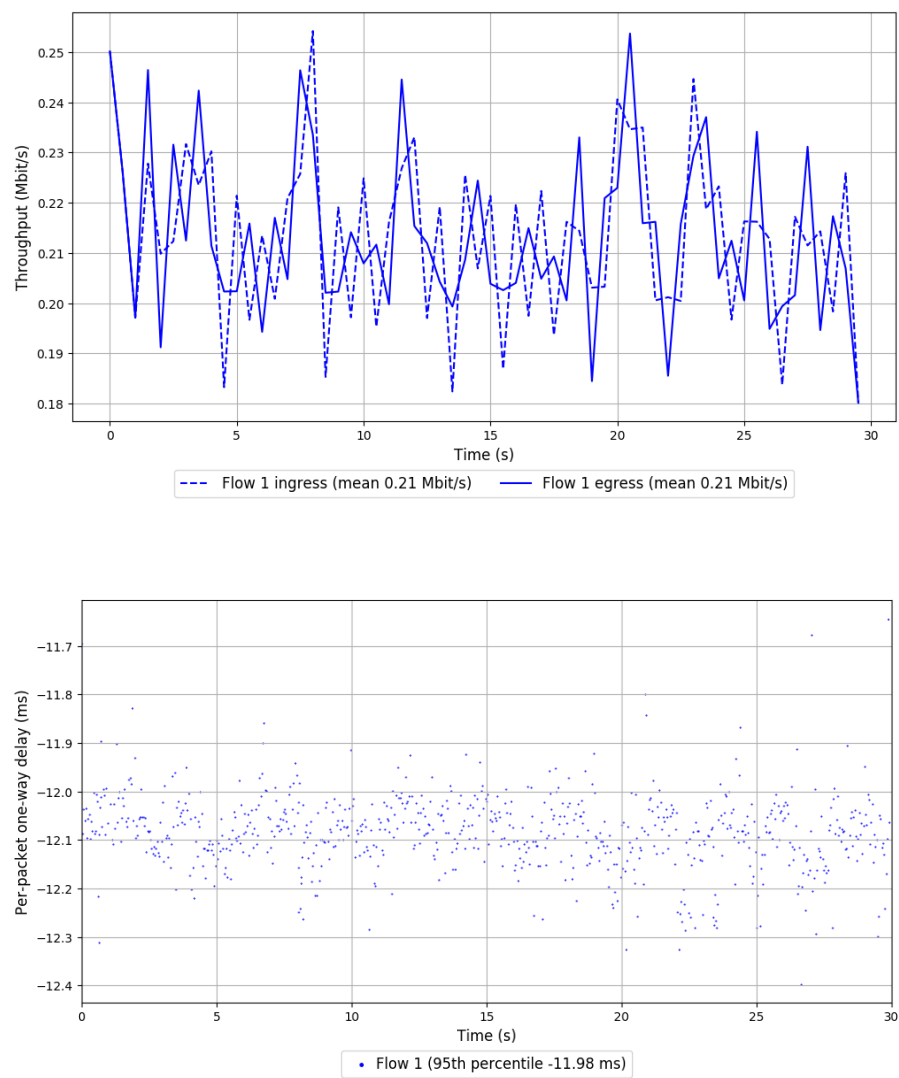


Run 10: Statistics of SCReAM

Start at: 2017-11-30 14:19:22
End at: 2017-11-30 14:19:52
Local clock offset: -5.104 ms
Remote clock offset: -21.387 ms

Below is generated by plot.py at 2017-11-30 15:05:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -11.978 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -11.978 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

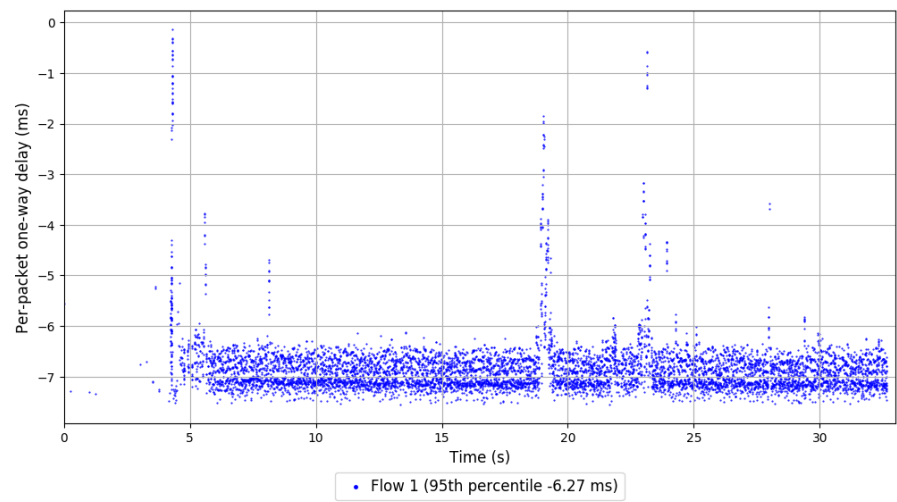
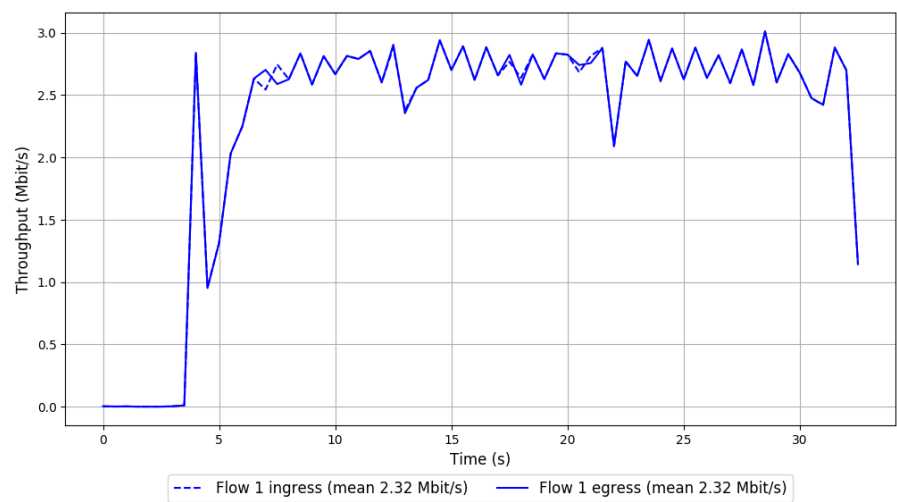


Run 1: Statistics of WebRTC media

Start at: 2017-11-30 11:48:18
End at: 2017-11-30 11:48:48
Local clock offset: 0.174 ms
Remote clock offset: -18.928 ms

Below is generated by plot.py at 2017-11-30 15:05:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -6.271 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -6.271 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

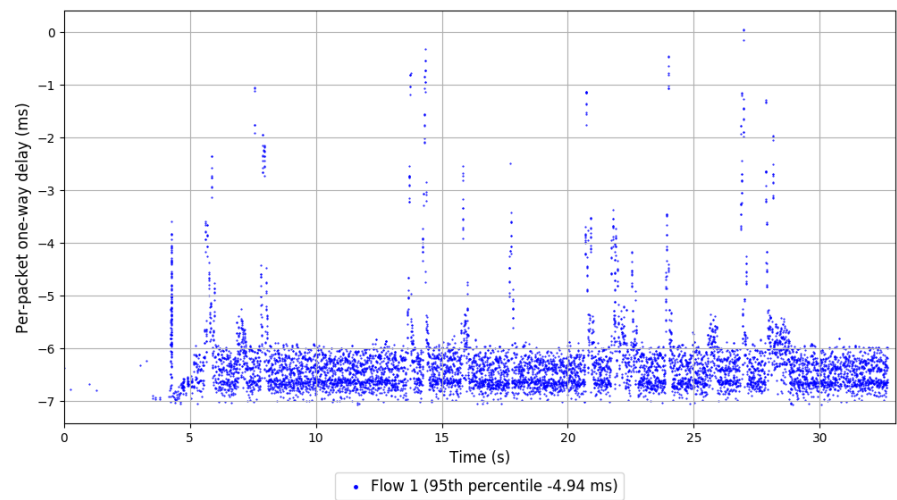
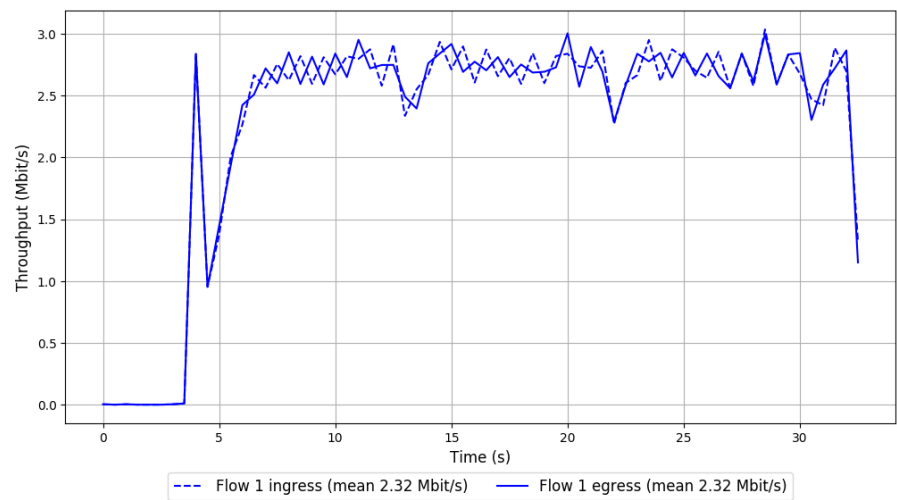


Run 2: Statistics of WebRTC media

Start at: 2017-11-30 12:04:46
End at: 2017-11-30 12:05:16
Local clock offset: -0.053 ms
Remote clock offset: -17.542 ms

Below is generated by plot.py at 2017-11-30 15:05:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -4.943 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -4.943 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

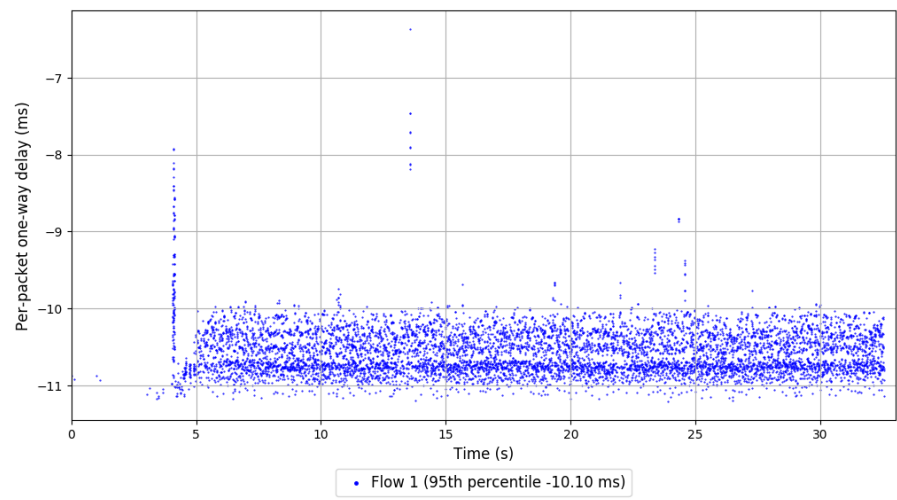
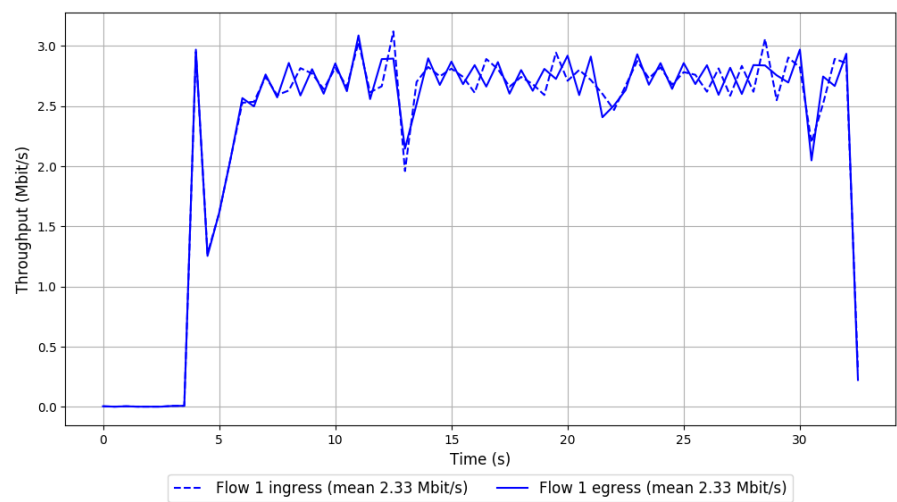


Run 3: Statistics of WebRTC media

Start at: 2017-11-30 12:21:31
End at: 2017-11-30 12:22:01
Local clock offset: -2.047 ms
Remote clock offset: -22.89 ms

Below is generated by plot.py at 2017-11-30 15:05:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -10.100 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -10.100 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

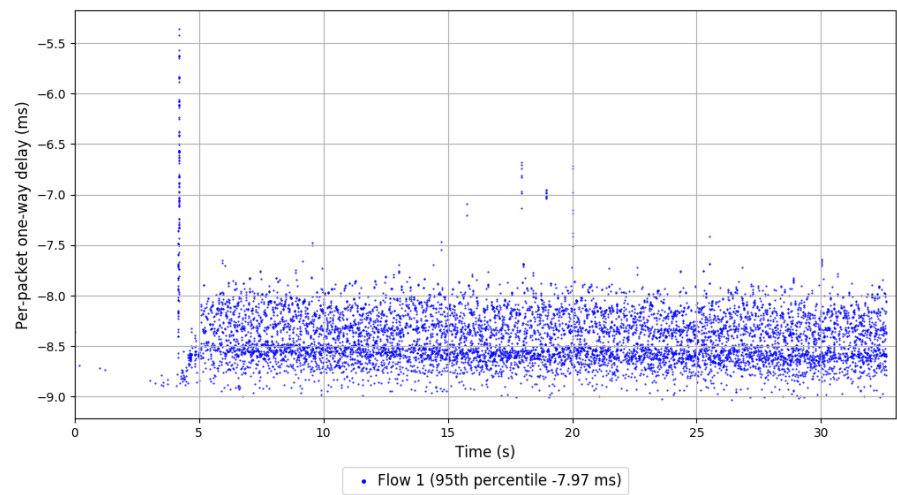
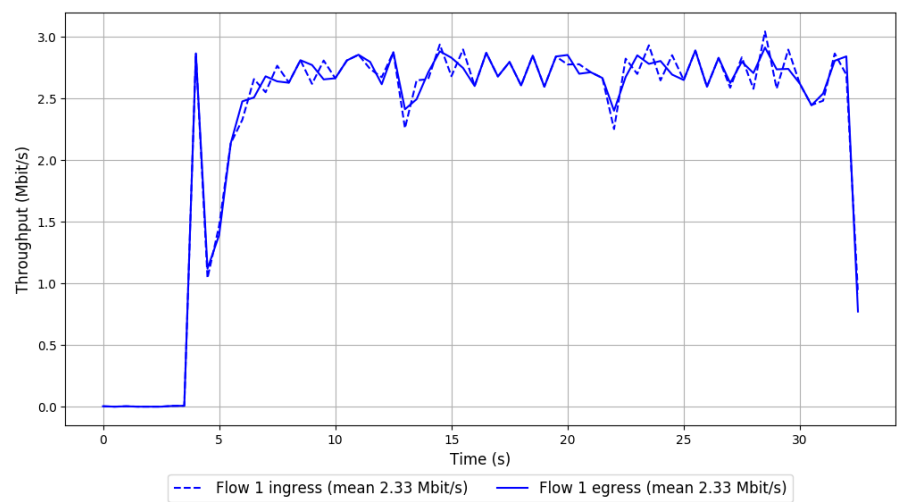


Run 4: Statistics of WebRTC media

Start at: 2017-11-30 12:38:26
End at: 2017-11-30 12:38:56
Local clock offset: -5.31 ms
Remote clock offset: -22.932 ms

Below is generated by plot.py at 2017-11-30 15:05:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -7.970 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -7.970 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

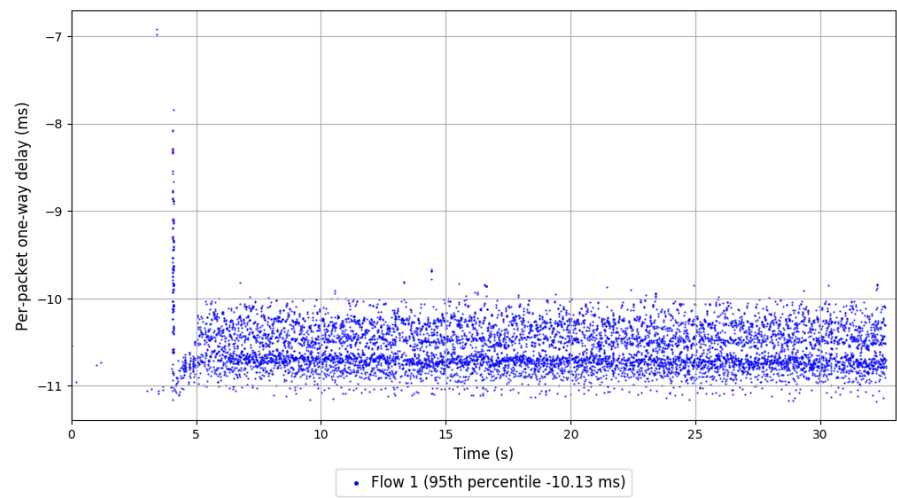
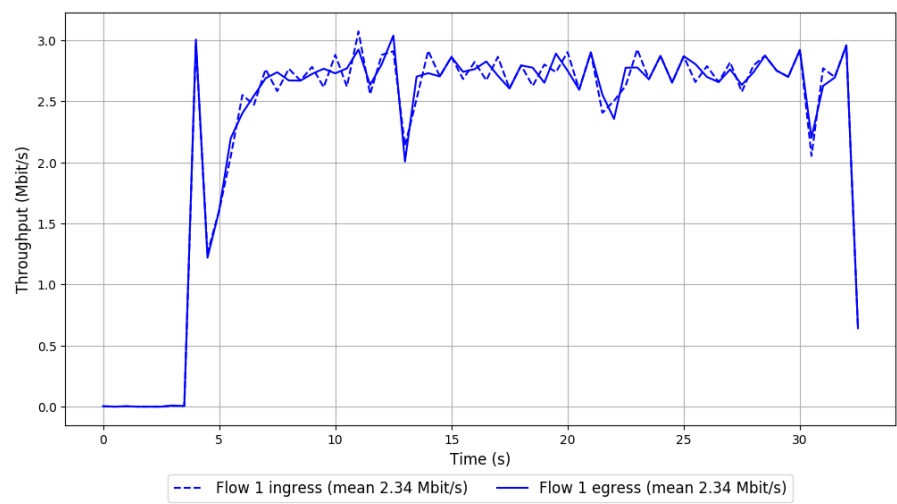


Run 5: Statistics of WebRTC media

Start at: 2017-11-30 12:55:03
End at: 2017-11-30 12:55:33
Local clock offset: -3.748 ms
Remote clock offset: -21.922 ms

Below is generated by plot.py at 2017-11-30 15:05:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -10.127 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -10.127 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

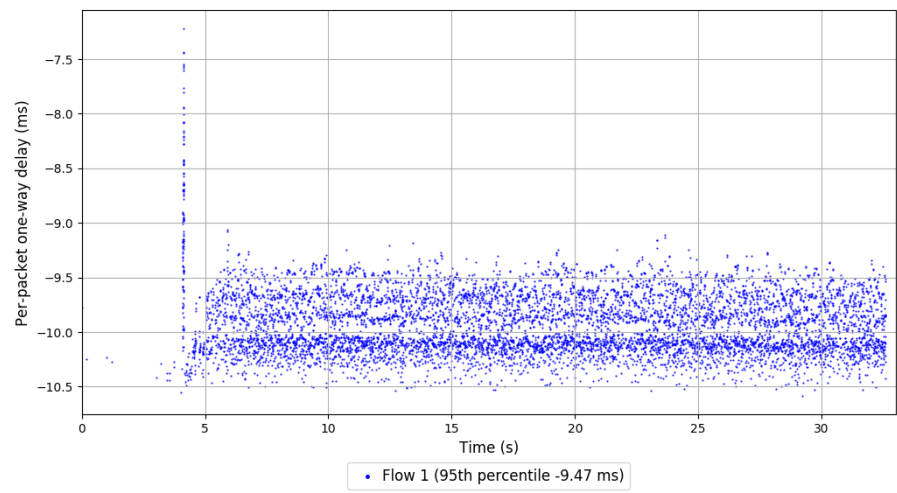
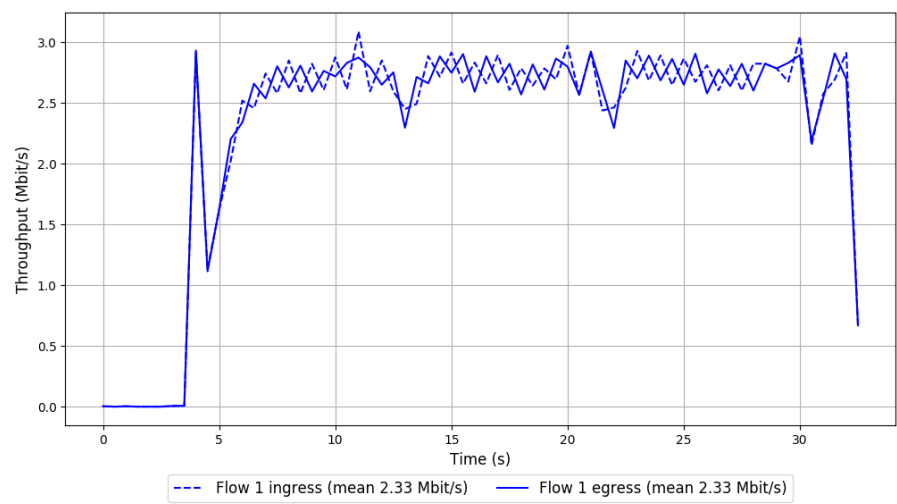


Run 6: Statistics of WebRTC media

Start at: 2017-11-30 13:12:09
End at: 2017-11-30 13:12:39
Local clock offset: -5.97 ms
Remote clock offset: -22.509 ms

Below is generated by plot.py at 2017-11-30 15:05:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -9.468 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -9.468 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

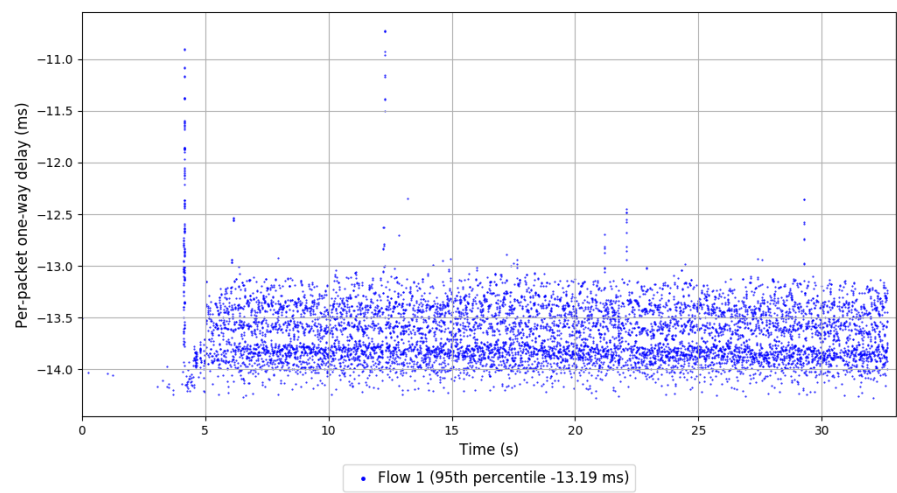
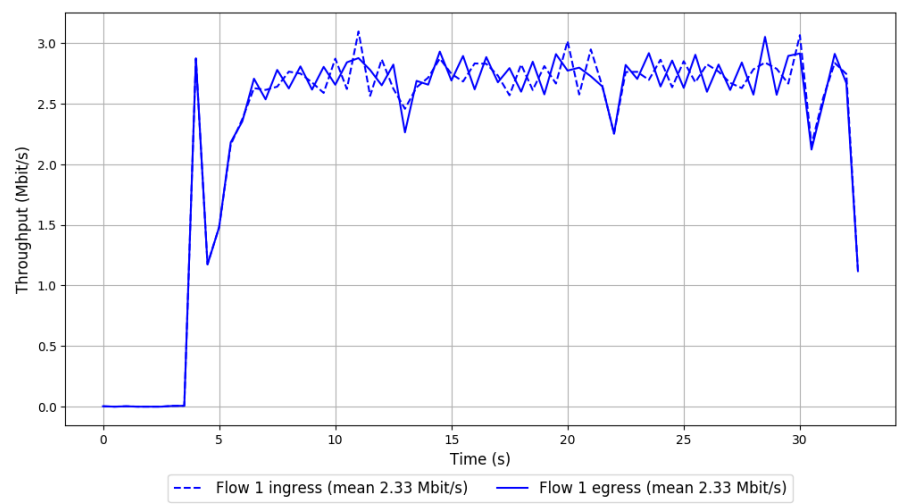


Run 7: Statistics of WebRTC media

Start at: 2017-11-30 13:28:49
End at: 2017-11-30 13:29:19
Local clock offset: -4.739 ms
Remote clock offset: -24.018 ms

Below is generated by plot.py at 2017-11-30 15:05:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -13.191 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -13.191 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

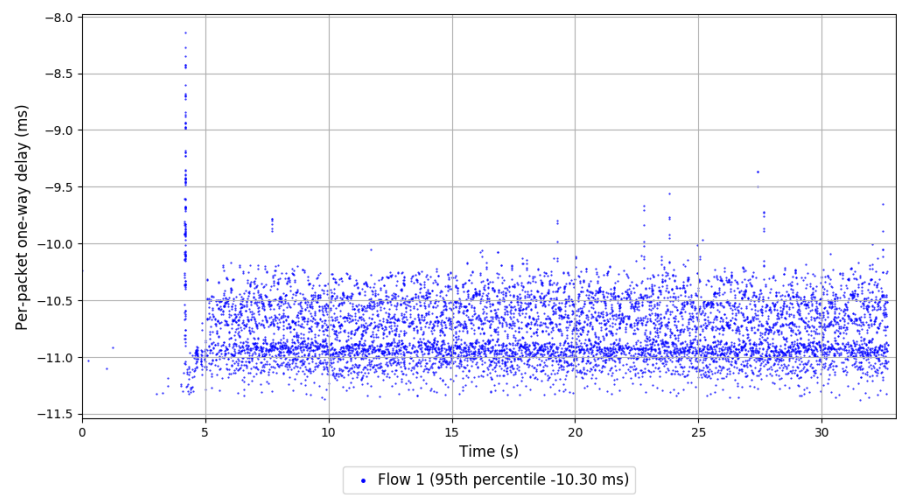
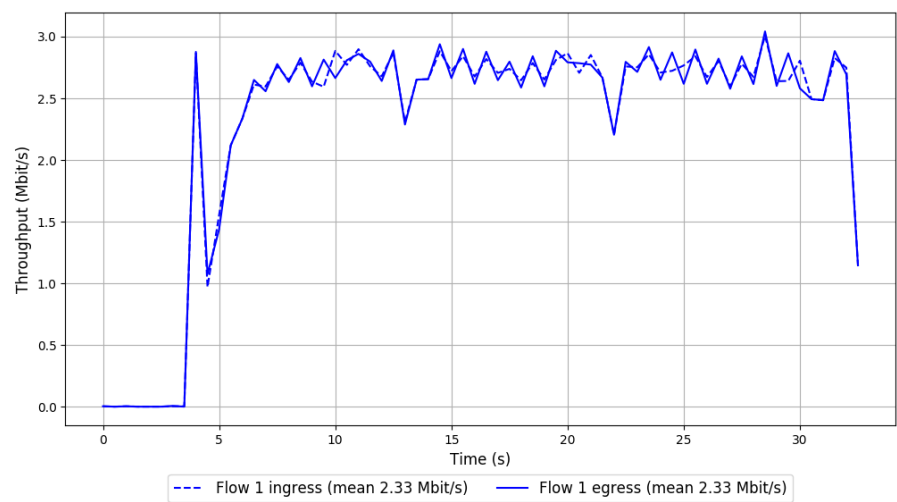


Run 8: Statistics of WebRTC media

Start at: 2017-11-30 13:45:10
End at: 2017-11-30 13:45:40
Local clock offset: -6.655 ms
Remote clock offset: -22.977 ms

Below is generated by plot.py at 2017-11-30 15:05:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -10.304 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -10.304 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

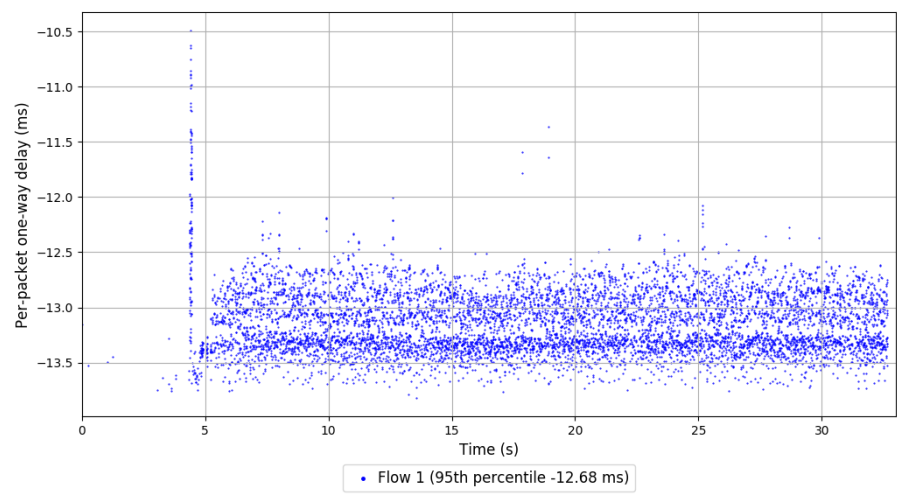
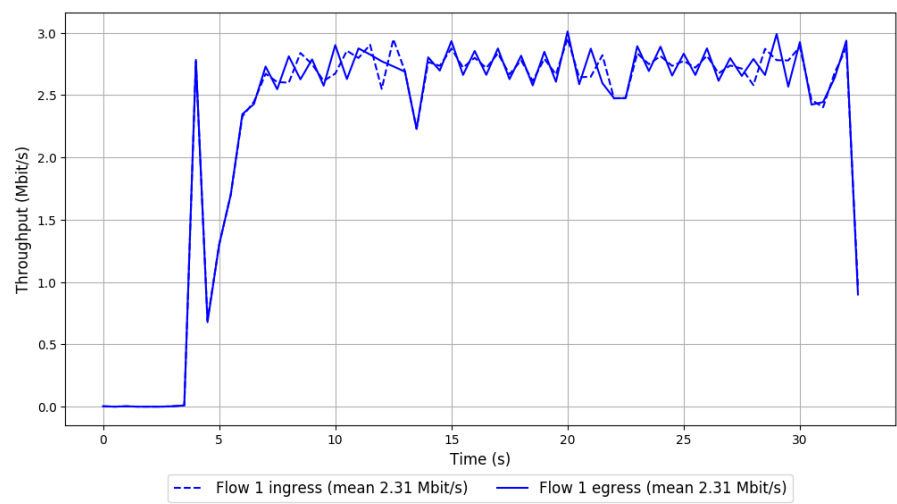


Run 9: Statistics of WebRTC media

Start at: 2017-11-30 14:01:46
End at: 2017-11-30 14:02:16
Local clock offset: -5.742 ms
Remote clock offset: -23.521 ms

Below is generated by plot.py at 2017-11-30 15:05:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: -12.681 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: -12.681 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

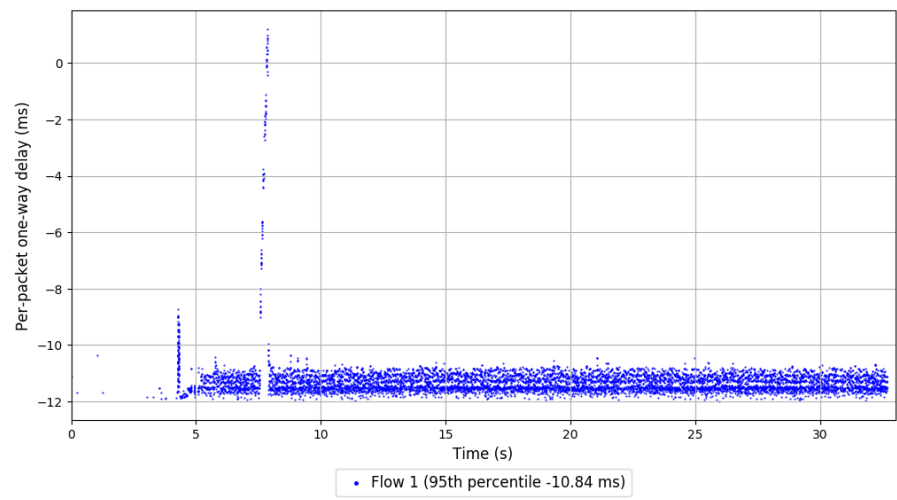
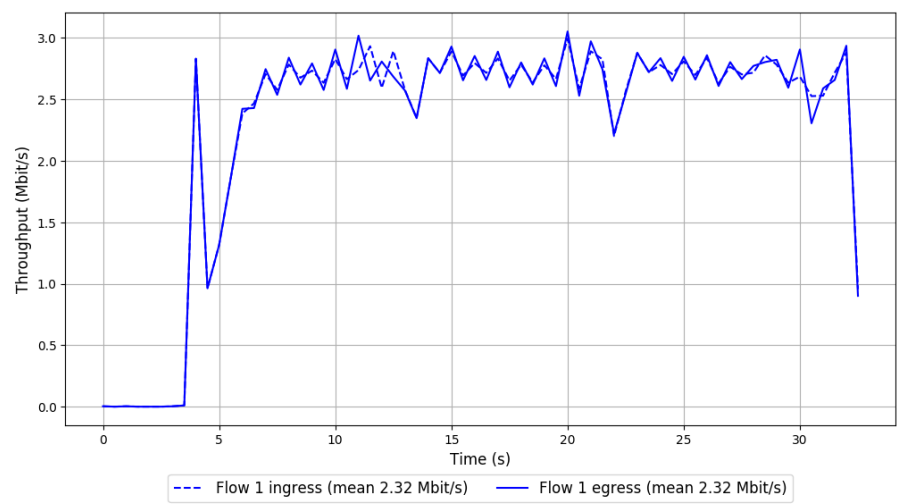


Run 10: Statistics of WebRTC media

Start at: 2017-11-30 14:18:17
End at: 2017-11-30 14:18:47
Local clock offset: -7.163 ms
Remote clock offset: -22.917 ms

Below is generated by plot.py at 2017-11-30 15:05:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -10.843 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -10.843 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

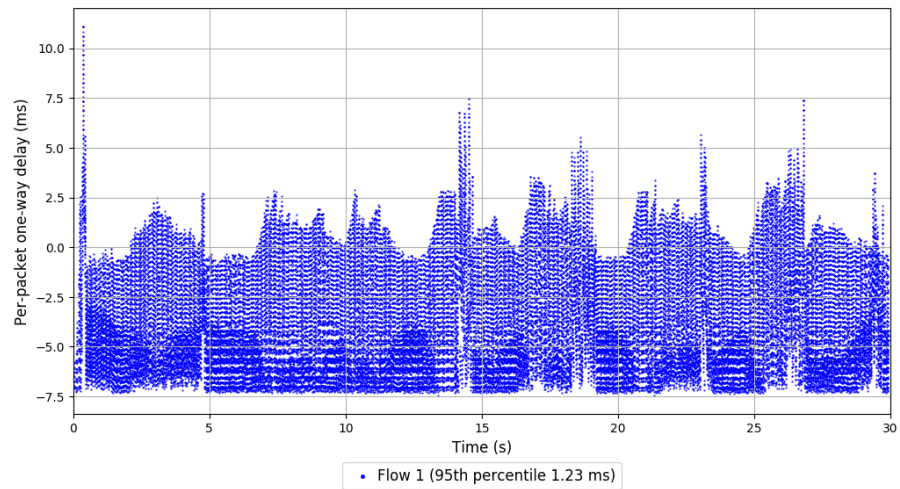
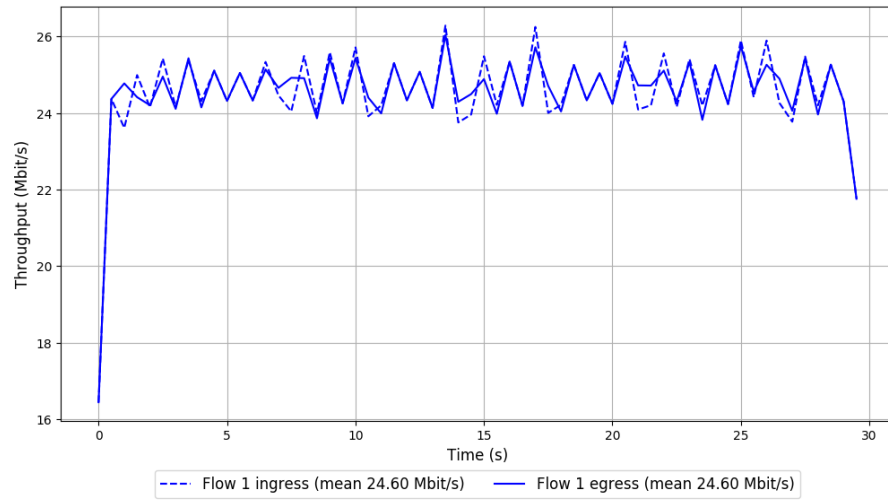


Run 1: Statistics of Sprout

Start at: 2017-11-30 11:55:24
End at: 2017-11-30 11:55:54
Local clock offset: 0.076 ms
Remote clock offset: -18.68 ms

Below is generated by plot.py at 2017-11-30 15:05:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 1.231 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 1.231 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

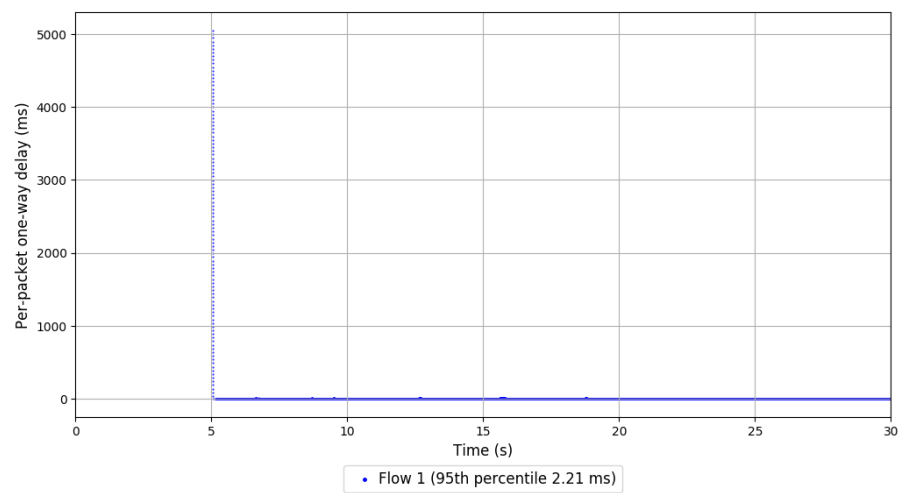
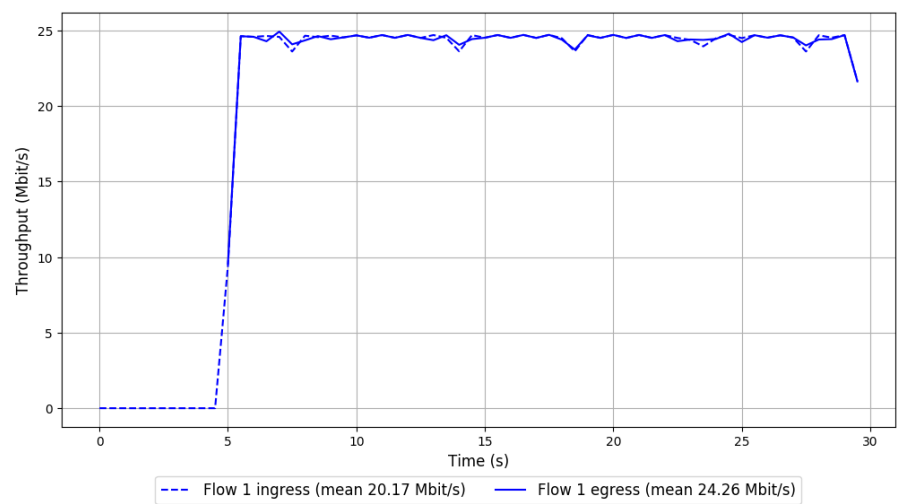


Run 2: Statistics of Sprout

Start at: 2017-11-30 12:11:50
End at: 2017-11-30 12:12:20
Local clock offset: -3.884 ms
Remote clock offset: -17.44 ms

Below is generated by plot.py at 2017-11-30 15:05:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.26 Mbit/s
95th percentile per-packet one-way delay: 2.208 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.26 Mbit/s
95th percentile per-packet one-way delay: 2.208 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

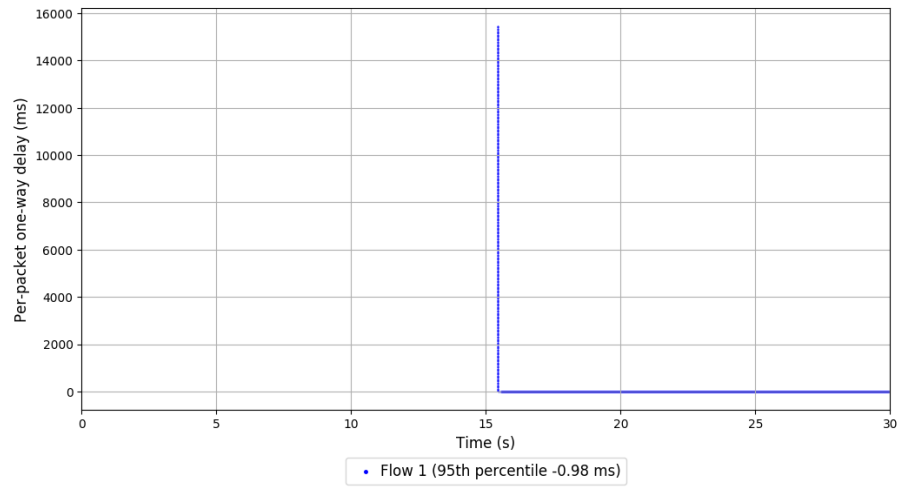
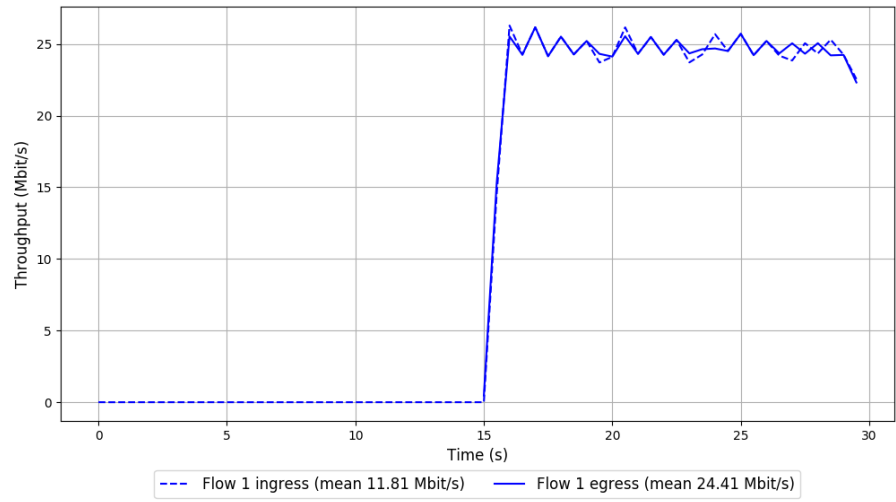
Start at: 2017-11-30 12:28:26

End at: 2017-11-30 12:28:56

Local clock offset: -4.455 ms

Remote clock offset: -23.659 ms

Run 3: Report of Sprout — Data Link

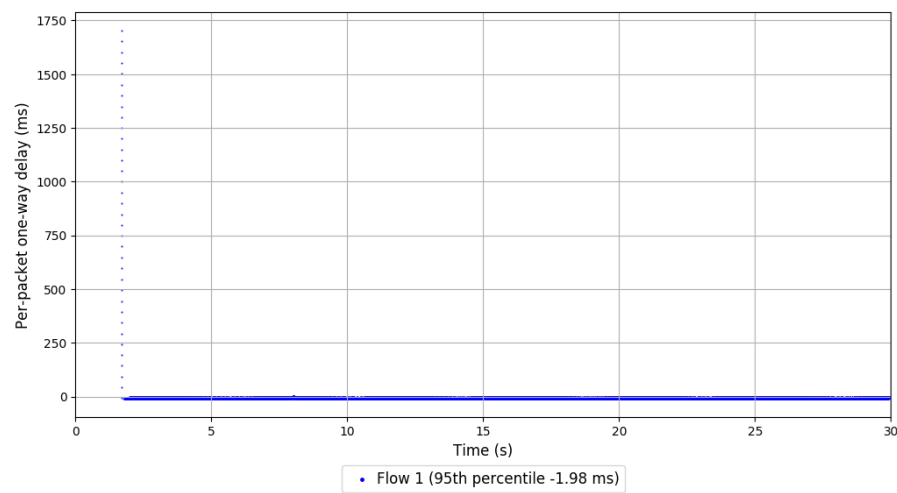
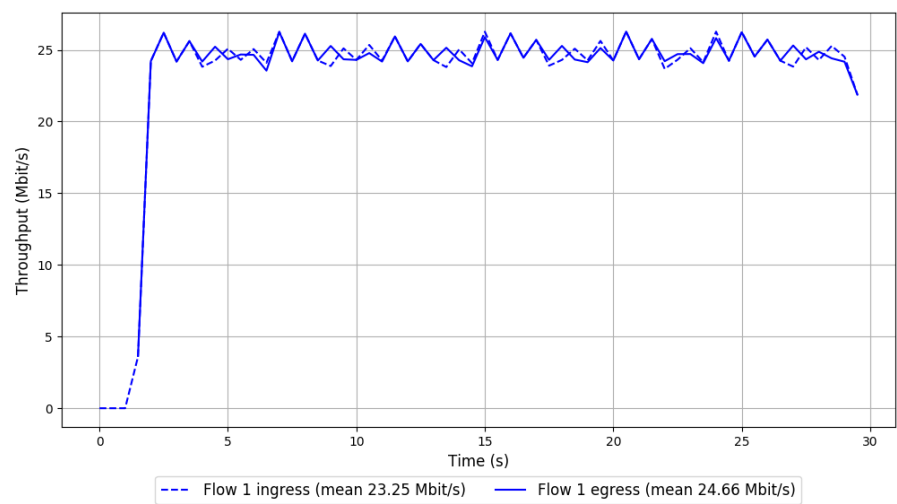


Run 4: Statistics of Sprout

Start at: 2017-11-30 12:45:31
End at: 2017-11-30 12:46:01
Local clock offset: -5.908 ms
Remote clock offset: -24.251 ms

Below is generated by plot.py at 2017-11-30 15:05:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: -1.981 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: -1.981 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

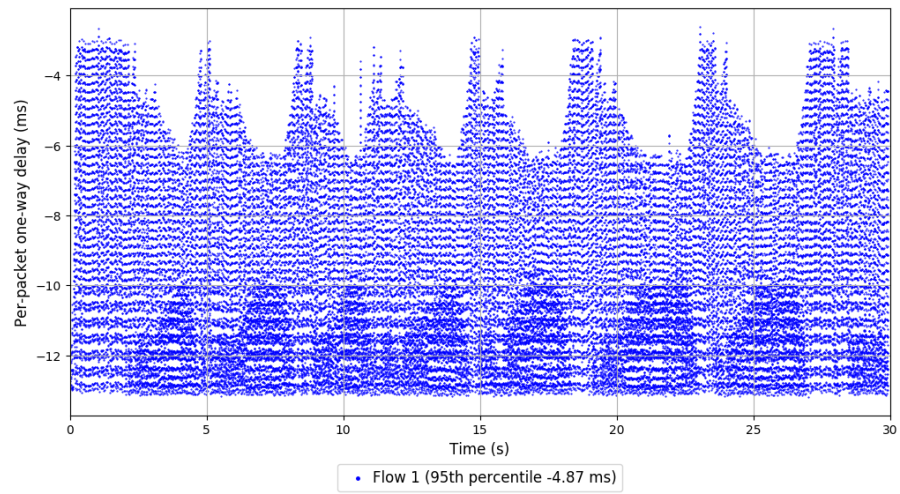
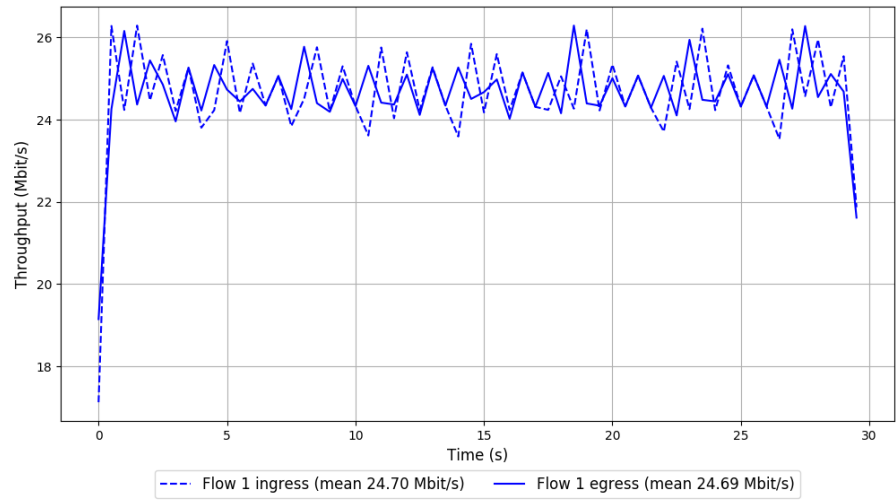


Run 5: Statistics of Sprout

Start at: 2017-11-30 13:02:21
End at: 2017-11-30 13:02:51
Local clock offset: -3.023 ms
Remote clock offset: -22.918 ms

Below is generated by plot.py at 2017-11-30 15:05:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: -4.874 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: -4.874 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

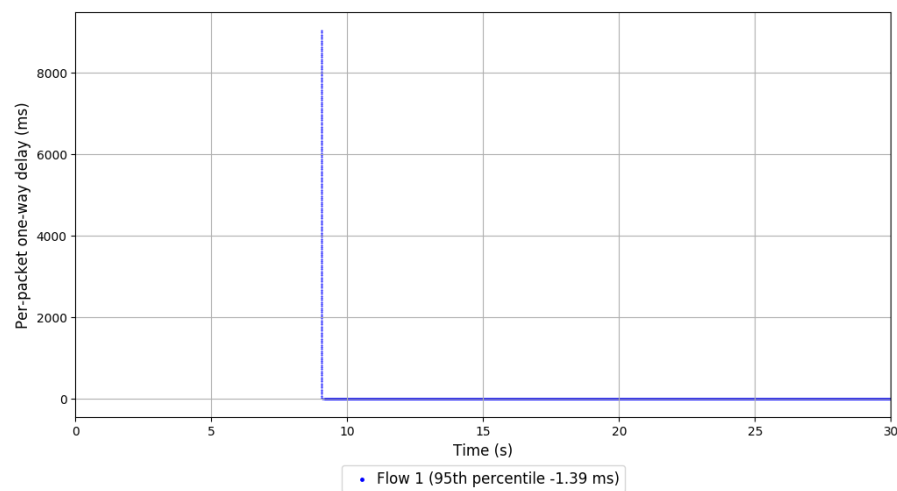
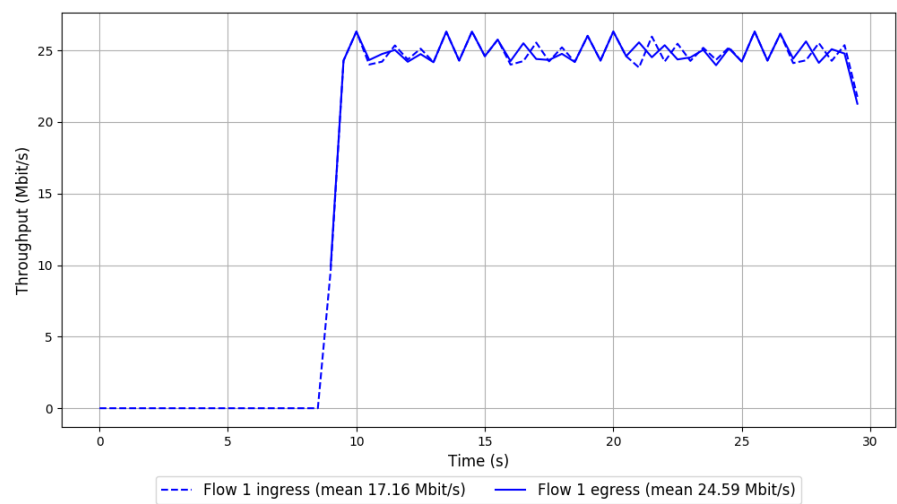
Start at: 2017-11-30 13:19:07

End at: 2017-11-30 13:19:37

Local clock offset: -4.947 ms

Remote clock offset: -21.092 ms

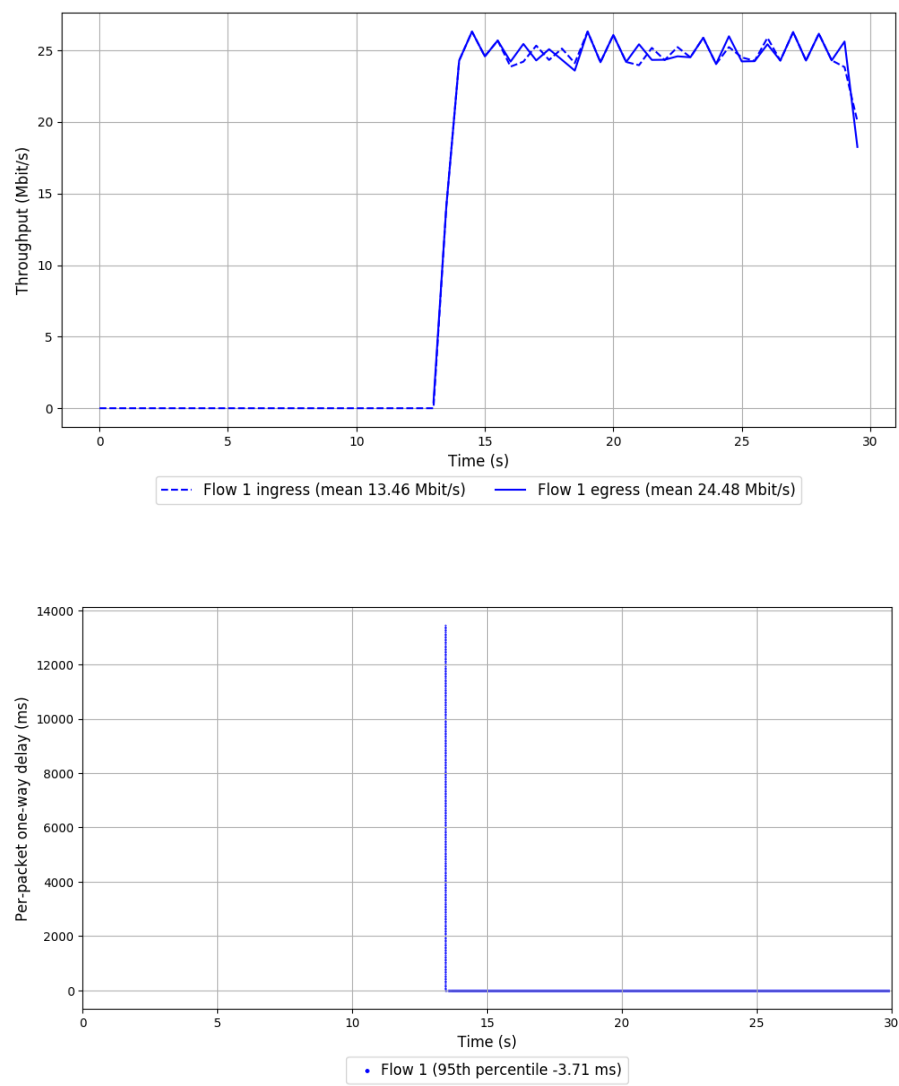
Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2017-11-30 13:35:40
End at: 2017-11-30 13:36:10
Local clock offset: -5.846 ms
Remote clock offset: -23.314 ms

Run 7: Report of Sprout — Data Link

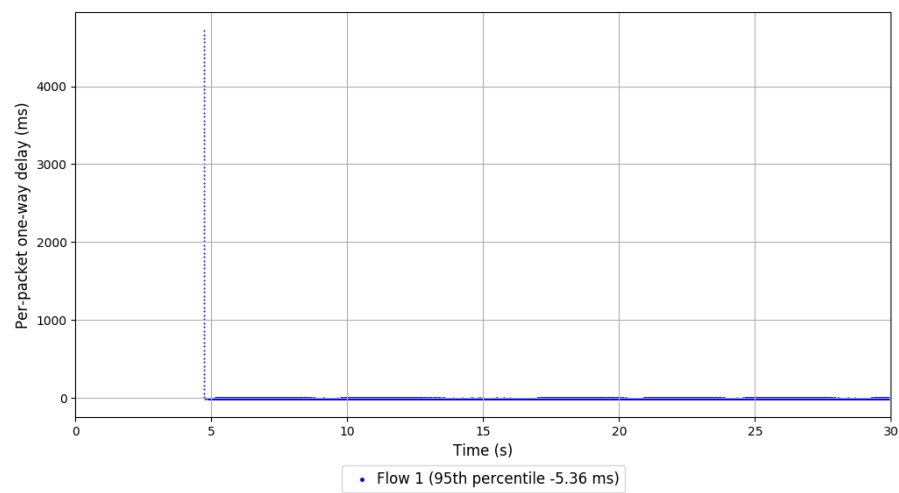
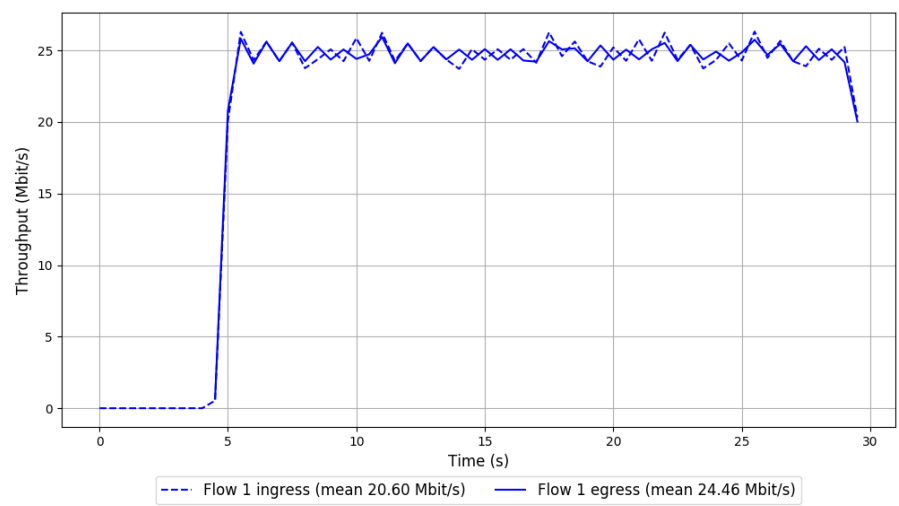


Run 8: Statistics of Sprout

Start at: 2017-11-30 13:52:10
End at: 2017-11-30 13:52:40
Local clock offset: -5.444 ms
Remote clock offset: -23.485 ms

Below is generated by plot.py at 2017-11-30 15:05:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.46 Mbit/s
95th percentile per-packet one-way delay: -5.356 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.46 Mbit/s
95th percentile per-packet one-way delay: -5.356 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

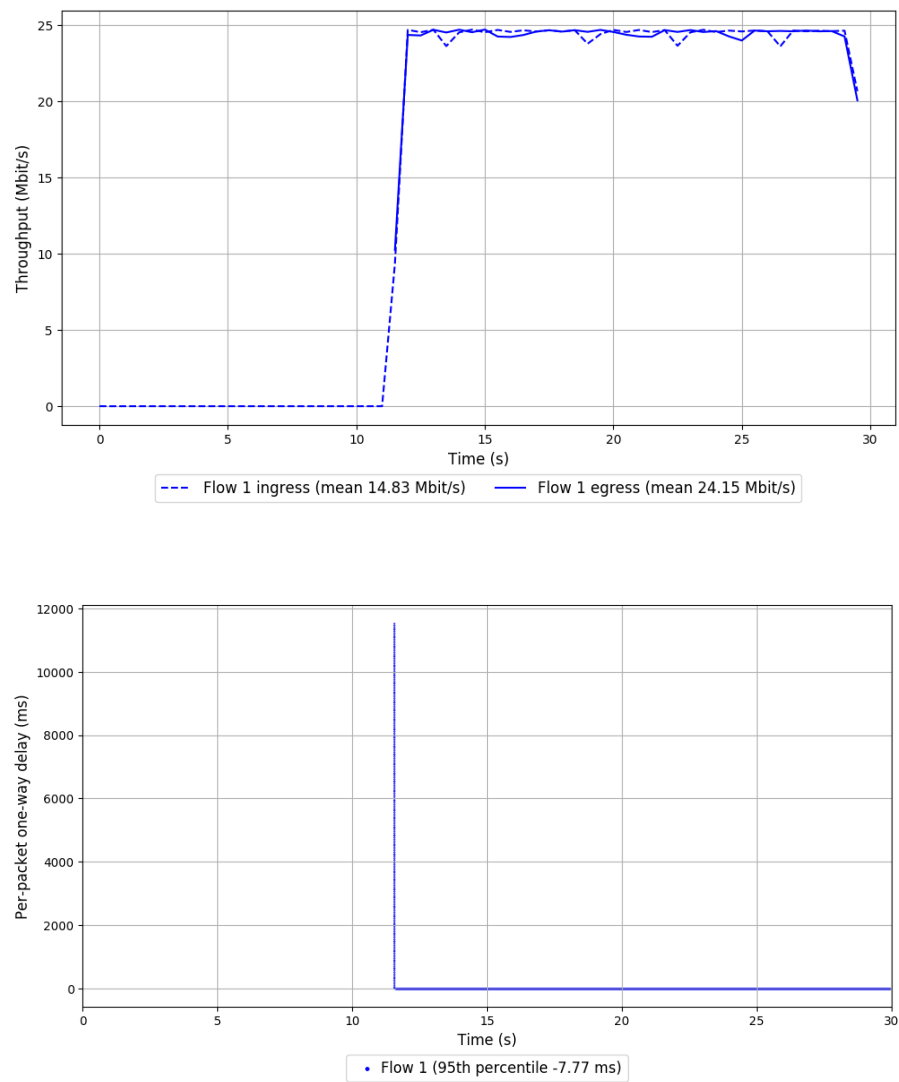
Start at: 2017-11-30 14:08:43

End at: 2017-11-30 14:09:13

Local clock offset: -5.437 ms

Remote clock offset: -22.129 ms

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2017-11-30 14:25:09

End at: 2017-11-30 14:25:39

Local clock offset: -6.825 ms

Remote clock offset: -22.4 ms

Below is generated by plot.py at 2017-11-30 15:05:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.62 Mbit/s

95th percentile per-packet one-way delay: -3.692 ms

Loss rate: 0.00%

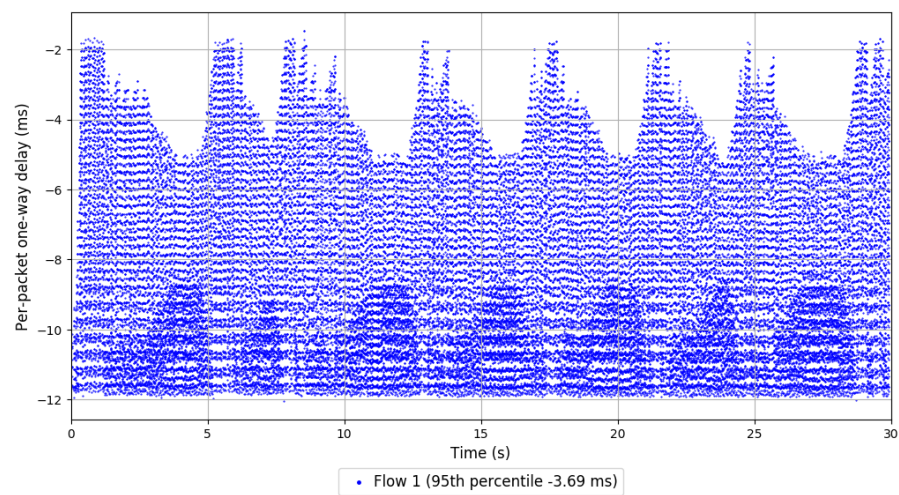
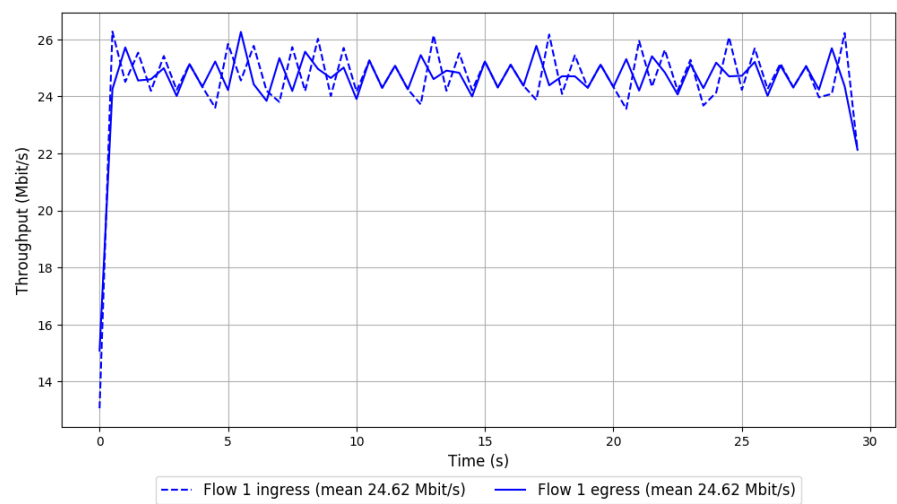
-- Flow 1:

Average throughput: 24.62 Mbit/s

95th percentile per-packet one-way delay: -3.692 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

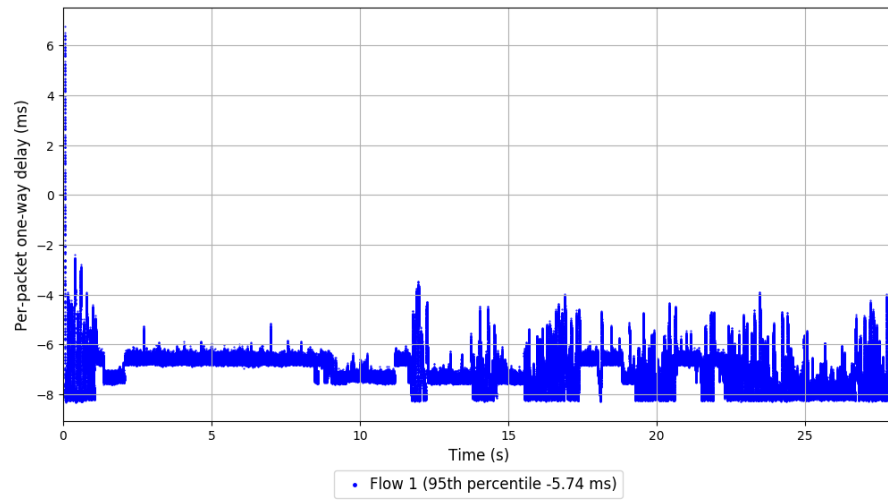
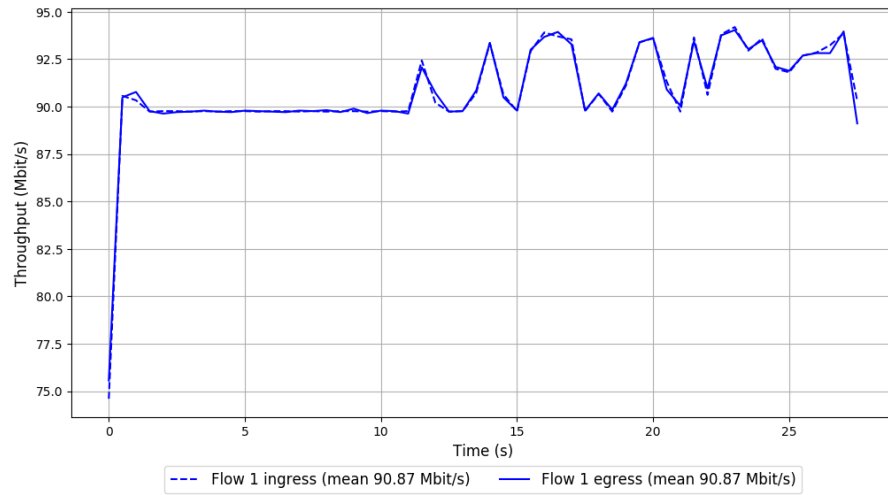


```
Run 1: Statistics of TaoVA-100x

Start at: 2017-11-30 11:52:49
End at: 2017-11-30 11:53:19
Local clock offset: 0.76 ms
Remote clock offset: -19.071 ms

# Below is generated by plot.py at 2017-11-30 15:07:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.87 Mbit/s
95th percentile per-packet one-way delay: -5.737 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.87 Mbit/s
95th percentile per-packet one-way delay: -5.737 ms
Loss rate: 0.00%
```


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

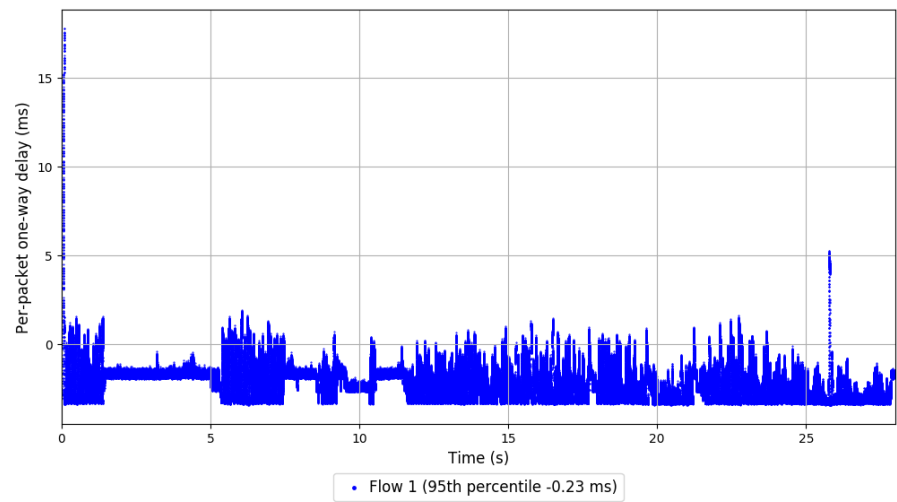
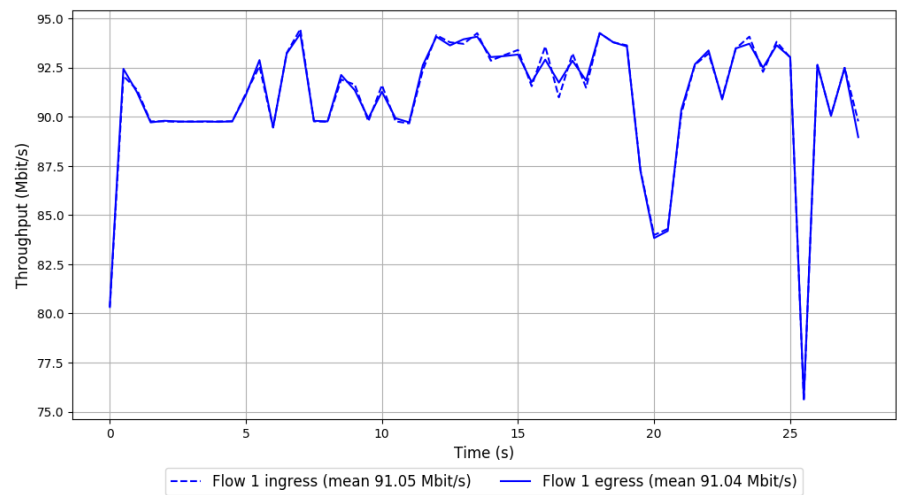


Run 2: Statistics of TaoVA-100x

Start at: 2017-11-30 12:09:16
End at: 2017-11-30 12:09:46
Local clock offset: -2.875 ms
Remote clock offset: -16.836 ms

Below is generated by plot.py at 2017-11-30 15:07:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.04 Mbit/s
95th percentile per-packet one-way delay: -0.230 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 91.04 Mbit/s
95th percentile per-packet one-way delay: -0.230 ms
Loss rate: 0.01%

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

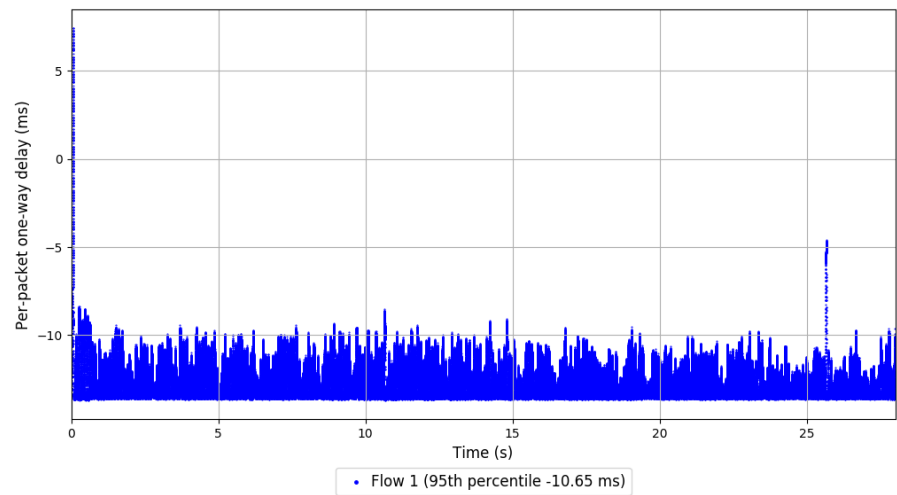
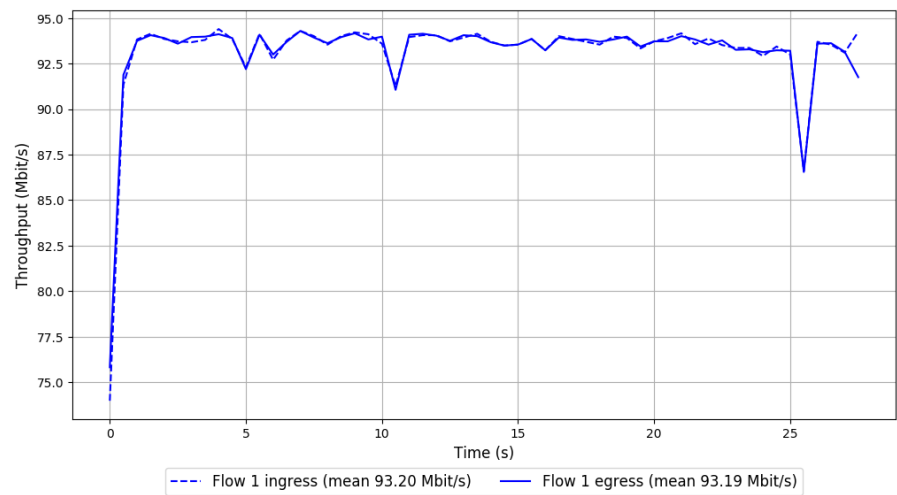


Run 3: Statistics of TaoVA-100x

Start at: 2017-11-30 12:26:01
End at: 2017-11-30 12:26:31
Local clock offset: -2.576 ms
Remote clock offset: -26.05 ms

Below is generated by plot.py at 2017-11-30 15:07:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.19 Mbit/s
95th percentile per-packet one-way delay: -10.651 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.19 Mbit/s
95th percentile per-packet one-way delay: -10.651 ms
Loss rate: 0.00%

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

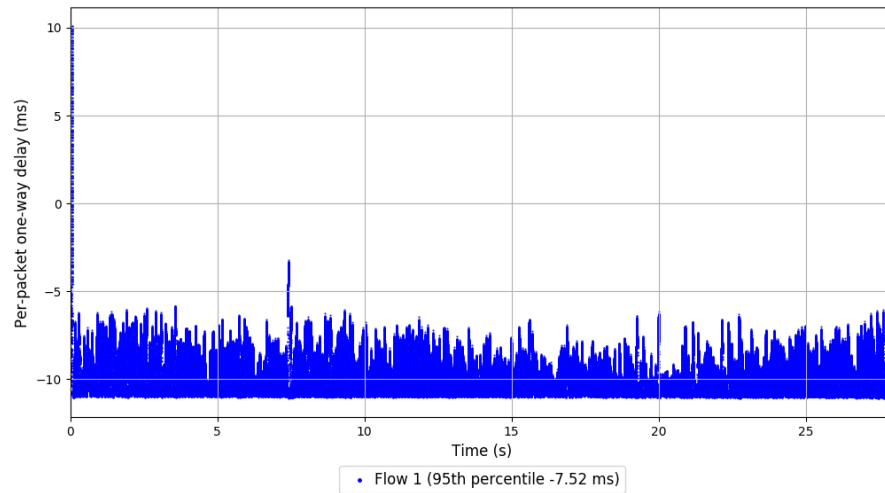
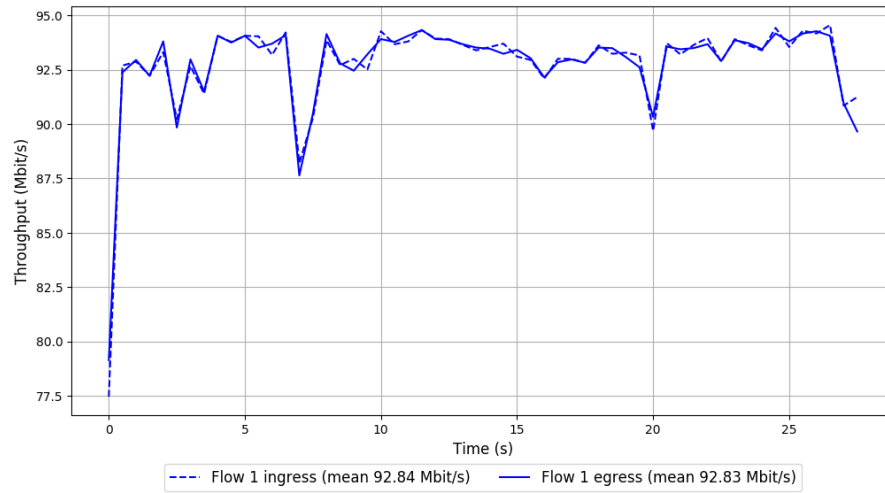


Run 4: Statistics of TaoVA-100x

Start at: 2017-11-30 12:42:58
End at: 2017-11-30 12:43:28
Local clock offset: -4.312 ms
Remote clock offset: -23.332 ms

Below is generated by plot.py at 2017-11-30 15:07:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.83 Mbit/s
95th percentile per-packet one-way delay: -7.523 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 92.83 Mbit/s
95th percentile per-packet one-way delay: -7.523 ms
Loss rate: 0.01%

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

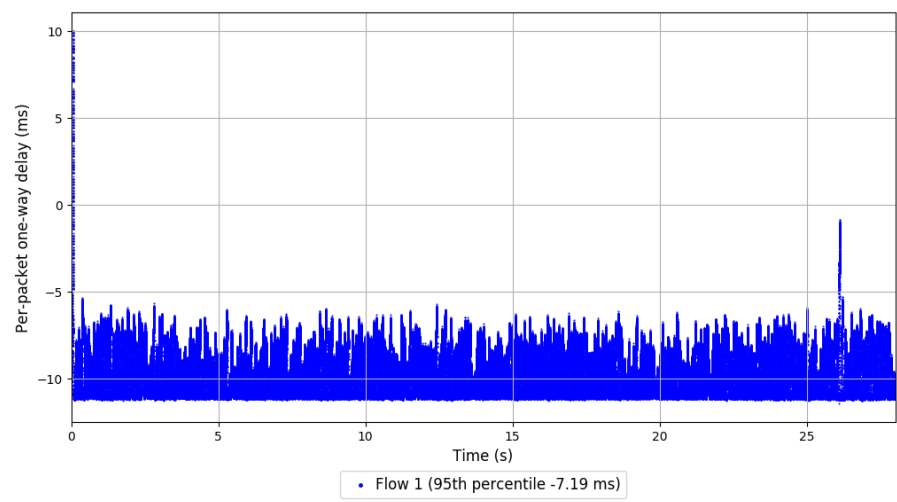
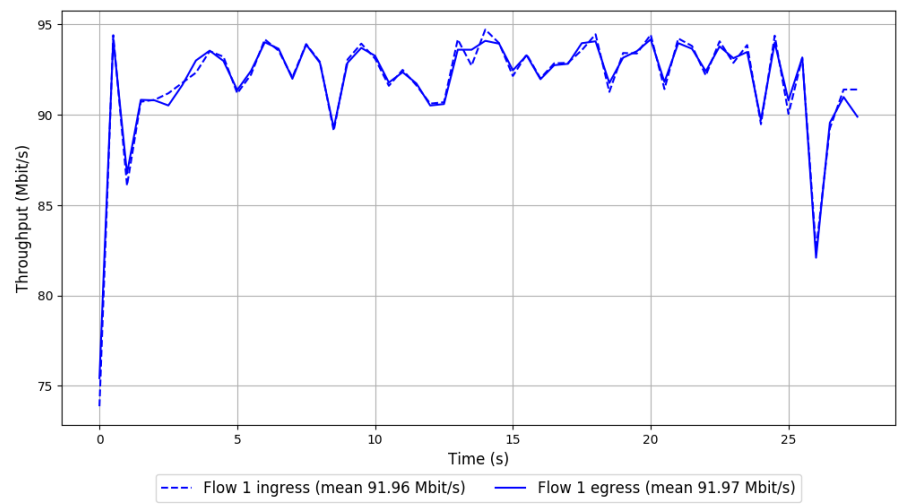


Run 5: Statistics of TaoVA-100x

Start at: 2017-11-30 12:59:39
End at: 2017-11-30 13:00:09
Local clock offset: -4.009 ms
Remote clock offset: -22.189 ms

Below is generated by plot.py at 2017-11-30 15:07:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.97 Mbit/s
95th percentile per-packet one-way delay: -7.190 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.97 Mbit/s
95th percentile per-packet one-way delay: -7.190 ms
Loss rate: 0.00%

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

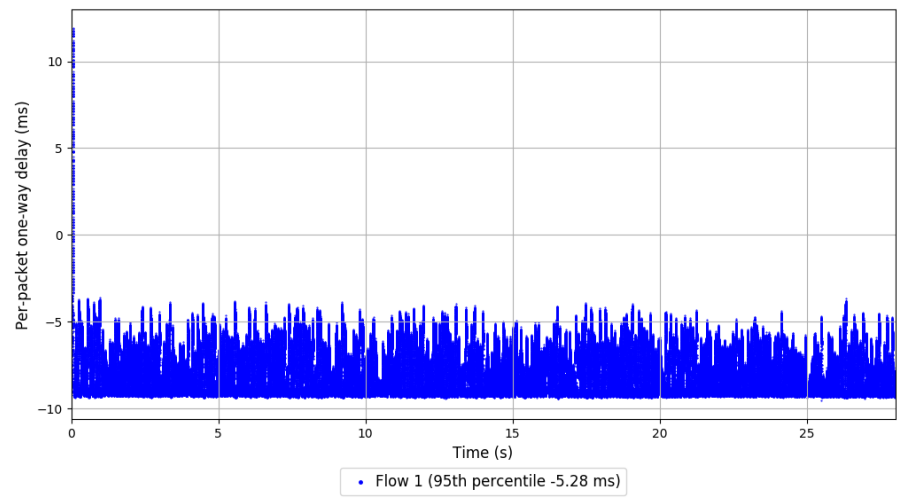
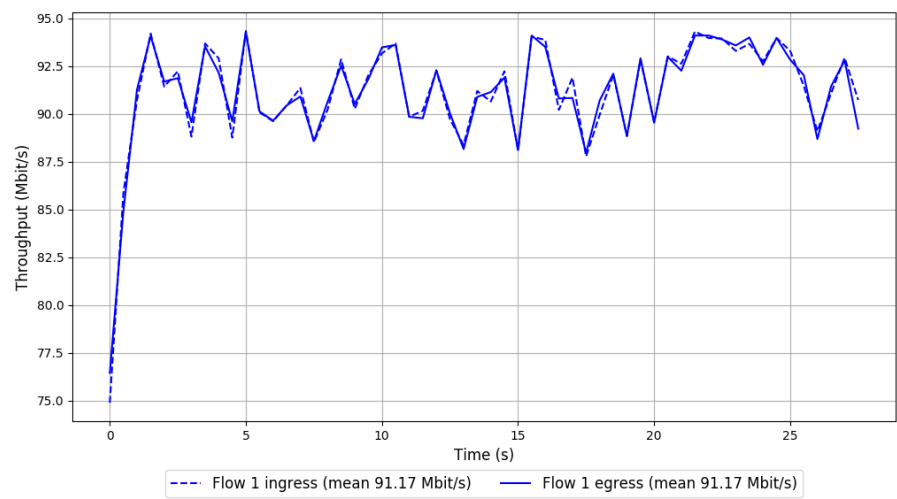


Run 6: Statistics of TaoVA-100x

Start at: 2017-11-30 13:16:34
End at: 2017-11-30 13:17:04
Local clock offset: -7.423 ms
Remote clock offset: -22.812 ms

Below is generated by plot.py at 2017-11-30 15:07:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.17 Mbit/s
95th percentile per-packet one-way delay: -5.275 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.17 Mbit/s
95th percentile per-packet one-way delay: -5.275 ms
Loss rate: 0.00%

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

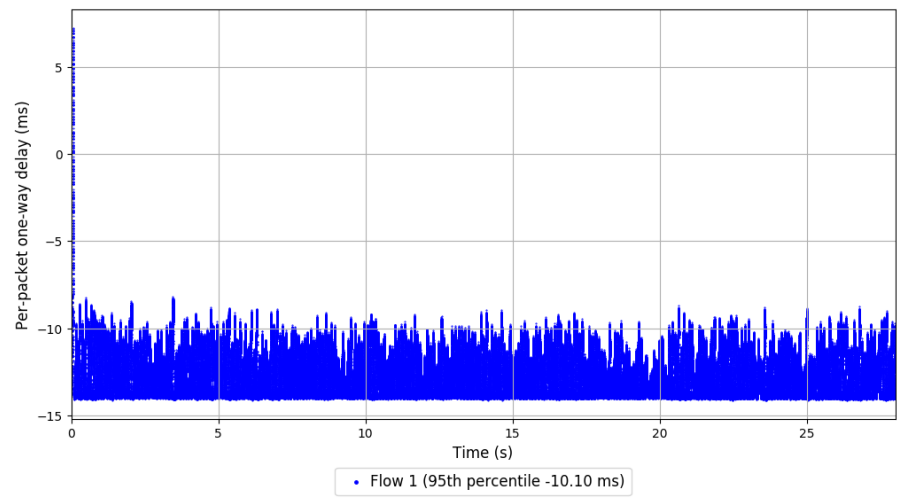
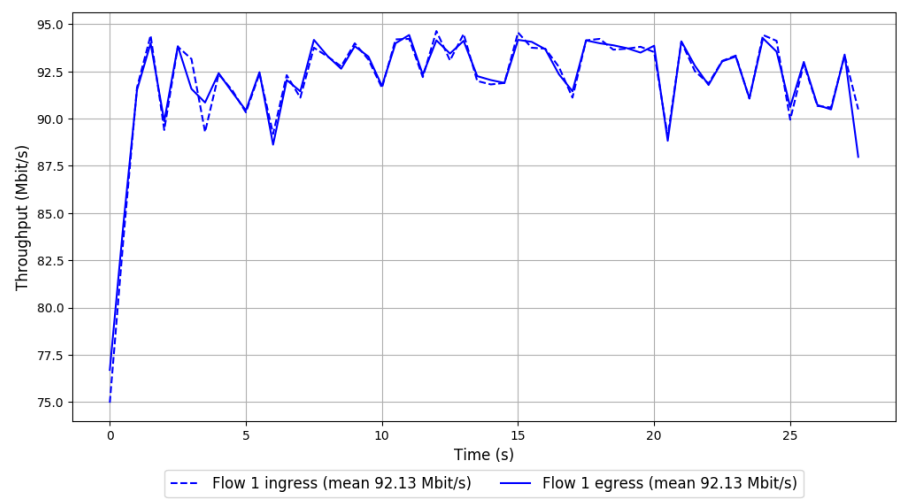


Run 7: Statistics of TaoVA-100x

Start at: 2017-11-30 13:33:13
End at: 2017-11-30 13:33:44
Local clock offset: -4.531 ms
Remote clock offset: -23.545 ms

Below is generated by plot.py at 2017-11-30 15:07:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.13 Mbit/s
95th percentile per-packet one-way delay: -10.098 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.13 Mbit/s
95th percentile per-packet one-way delay: -10.098 ms
Loss rate: 0.00%

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

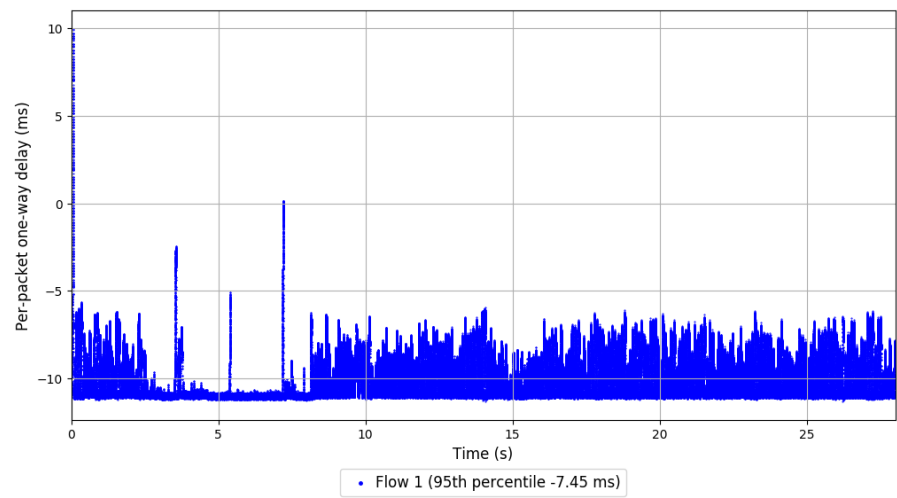
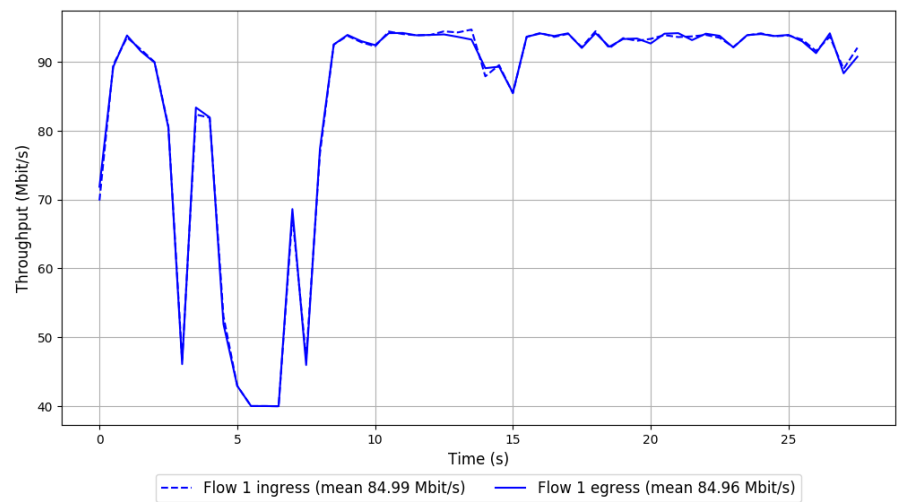


Run 8: Statistics of TaoVA-100x

Start at: 2017-11-30 13:49:36
End at: 2017-11-30 13:50:06
Local clock offset: -7.086 ms
Remote clock offset: -22.804 ms

Below is generated by plot.py at 2017-11-30 15:07:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.96 Mbit/s
95th percentile per-packet one-way delay: -7.449 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 84.96 Mbit/s
95th percentile per-packet one-way delay: -7.449 ms
Loss rate: 0.03%

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

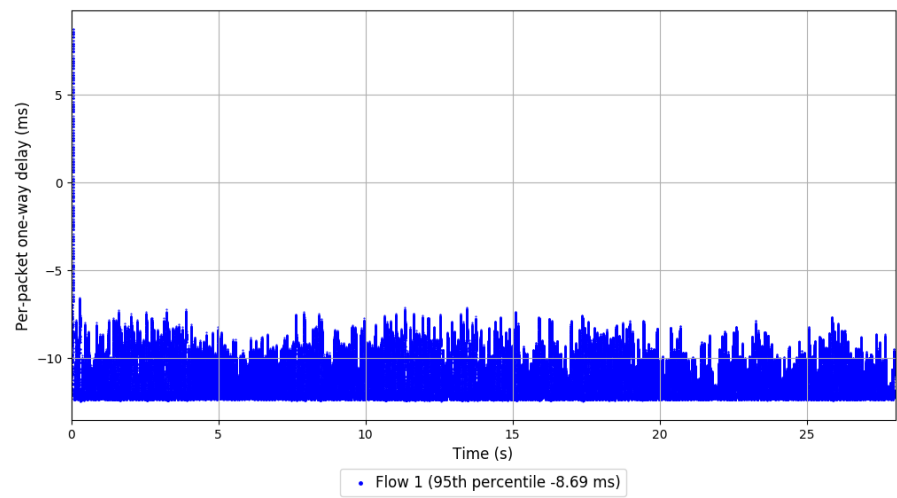
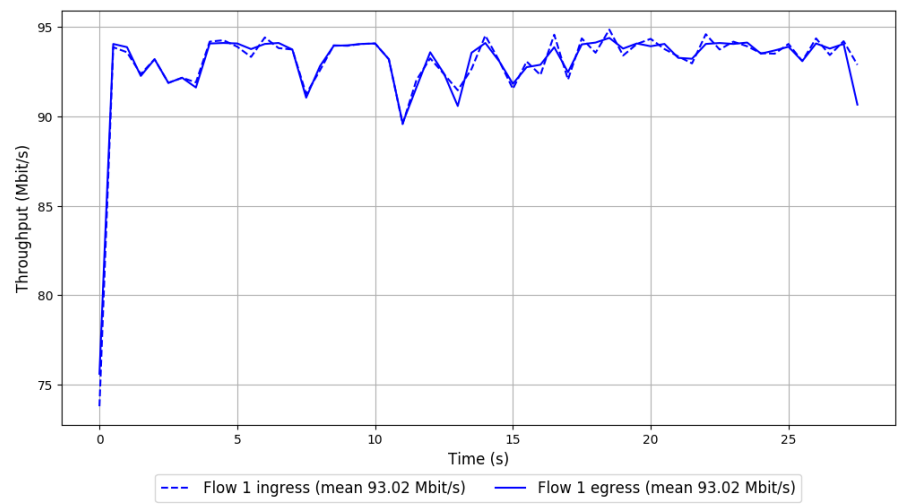


Run 9: Statistics of TaoVA-100x

Start at: 2017-11-30 14:06:17
End at: 2017-11-30 14:06:47
Local clock offset: -4.672 ms
Remote clock offset: -21.669 ms

Below is generated by plot.py at 2017-11-30 15:09:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.02 Mbit/s
95th percentile per-packet one-way delay: -8.690 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.02 Mbit/s
95th percentile per-packet one-way delay: -8.690 ms
Loss rate: 0.00%

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

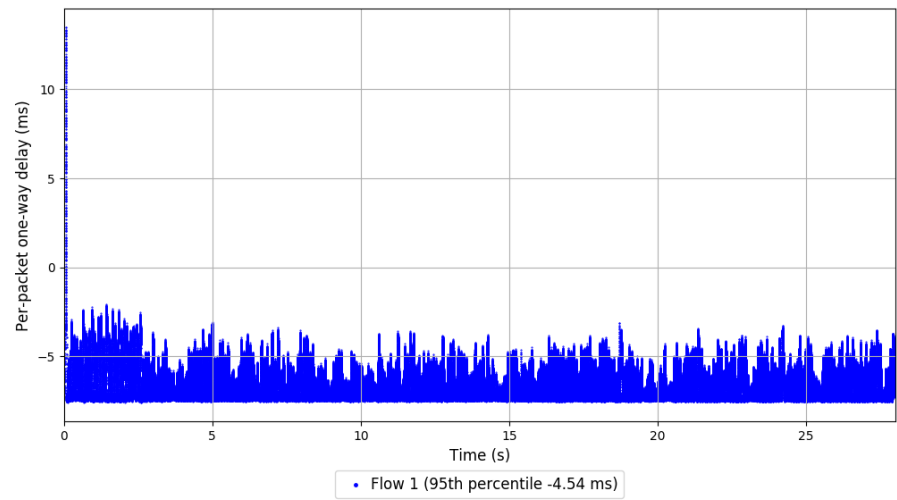
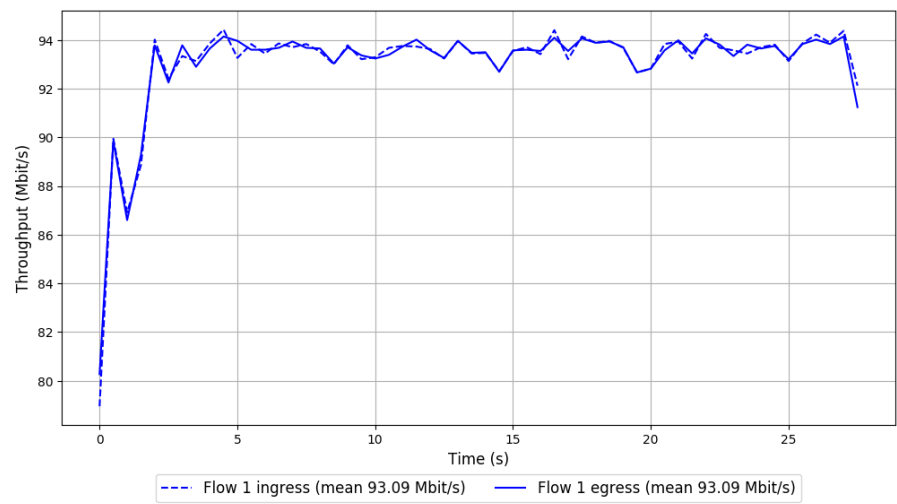


Run 10: Statistics of TaoVA-100x

Start at: 2017-11-30 14:22:43
End at: 2017-11-30 14:23:13
Local clock offset: -11.069 ms
Remote clock offset: -22.443 ms

Below is generated by plot.py at 2017-11-30 15:09:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.09 Mbit/s
95th percentile per-packet one-way delay: -4.540 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.09 Mbit/s
95th percentile per-packet one-way delay: -4.540 ms
Loss rate: 0.00%

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

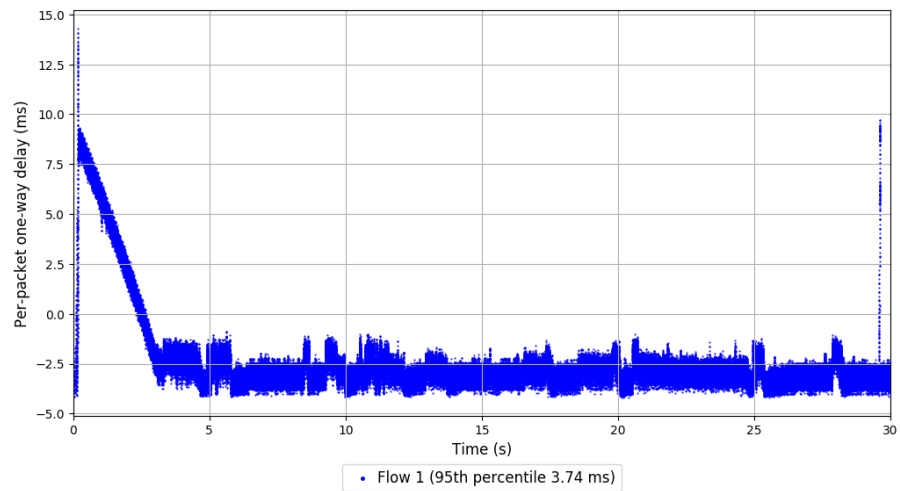
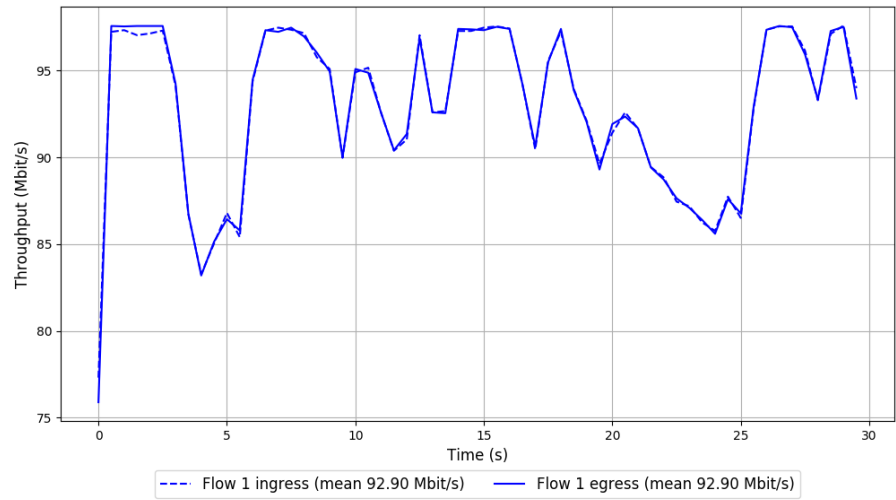


Run 1: Statistics of TCP Vegas

Start at: 2017-11-30 11:50:28
End at: 2017-11-30 11:50:58
Local clock offset: -1.678 ms
Remote clock offset: -17.307 ms

Below is generated by plot.py at 2017-11-30 15:09:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.90 Mbit/s
95th percentile per-packet one-way delay: 3.739 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.90 Mbit/s
95th percentile per-packet one-way delay: 3.739 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

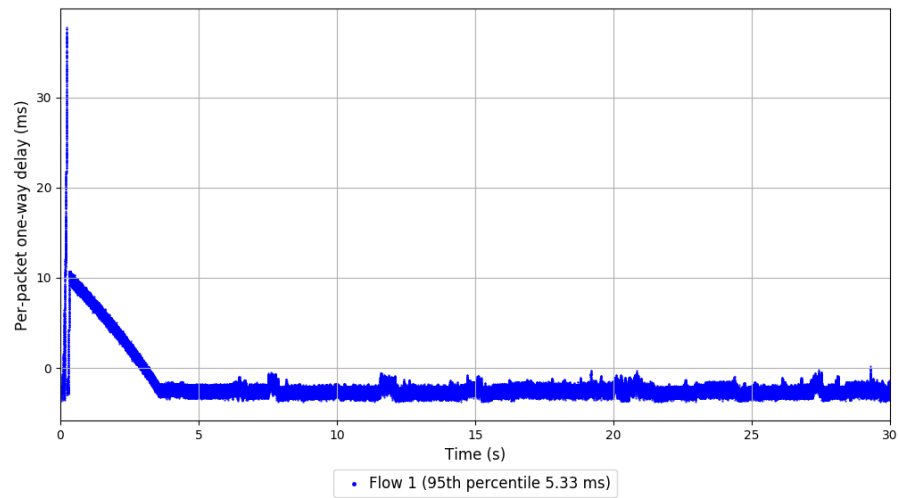
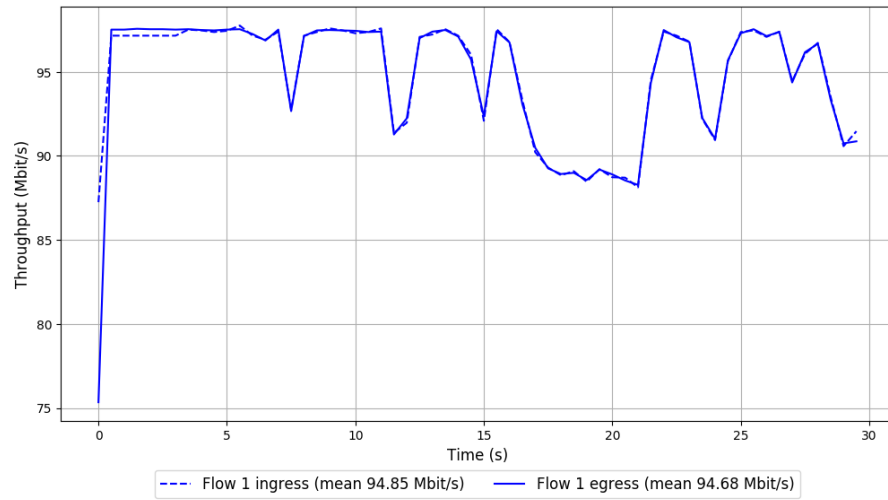


Run 2: Statistics of TCP Vegas

Start at: 2017-11-30 12:06:55
End at: 2017-11-30 12:07:25
Local clock offset: -1.914 ms
Remote clock offset: -16.352 ms

Below is generated by plot.py at 2017-11-30 15:09:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.68 Mbit/s
95th percentile per-packet one-way delay: 5.326 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 94.68 Mbit/s
95th percentile per-packet one-way delay: 5.326 ms
Loss rate: 0.18%

Run 2: Report of TCP Vegas — Data Link

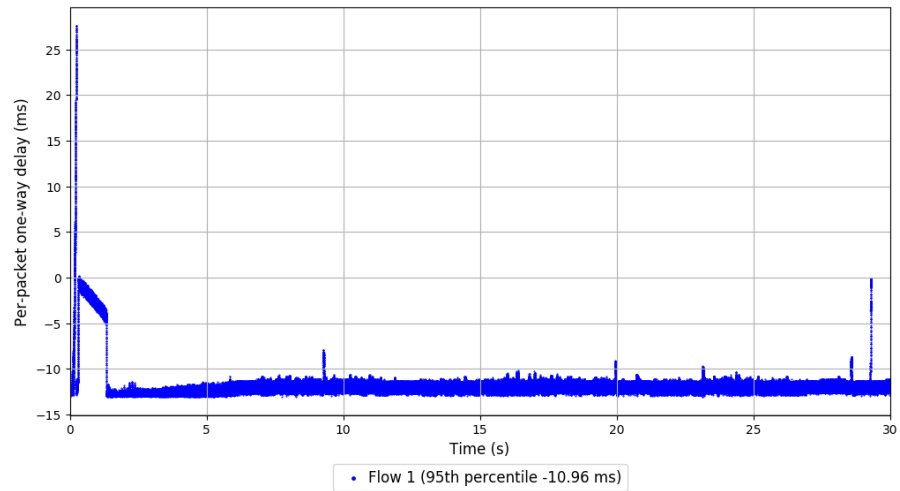
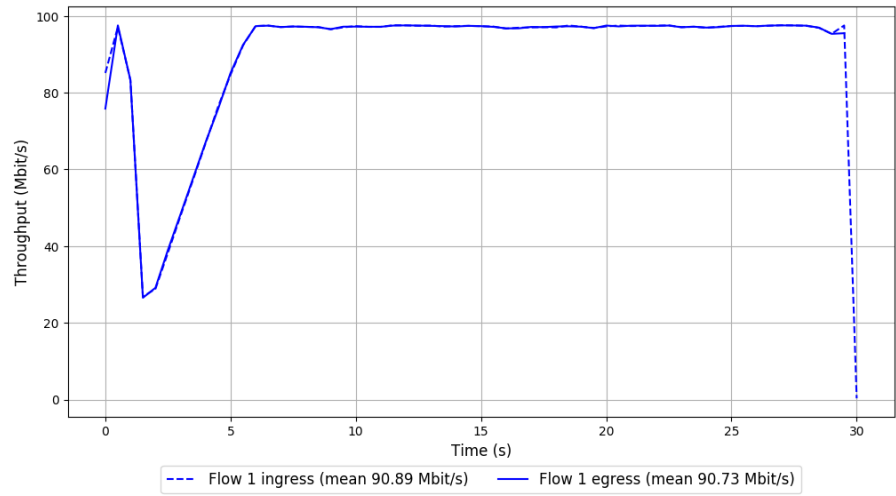


Run 3: Statistics of TCP Vegas

Start at: 2017-11-30 12:23:40
End at: 2017-11-30 12:24:10
Local clock offset: -2.147 ms
Remote clock offset: -25.027 ms

Below is generated by plot.py at 2017-11-30 15:09:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.73 Mbit/s
95th percentile per-packet one-way delay: -10.957 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 90.73 Mbit/s
95th percentile per-packet one-way delay: -10.957 ms
Loss rate: 0.18%

Run 3: Report of TCP Vegas — Data Link

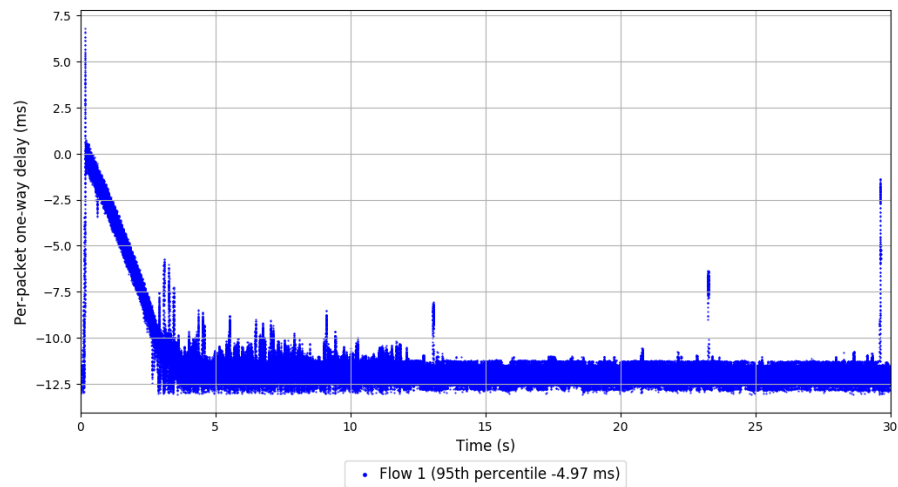
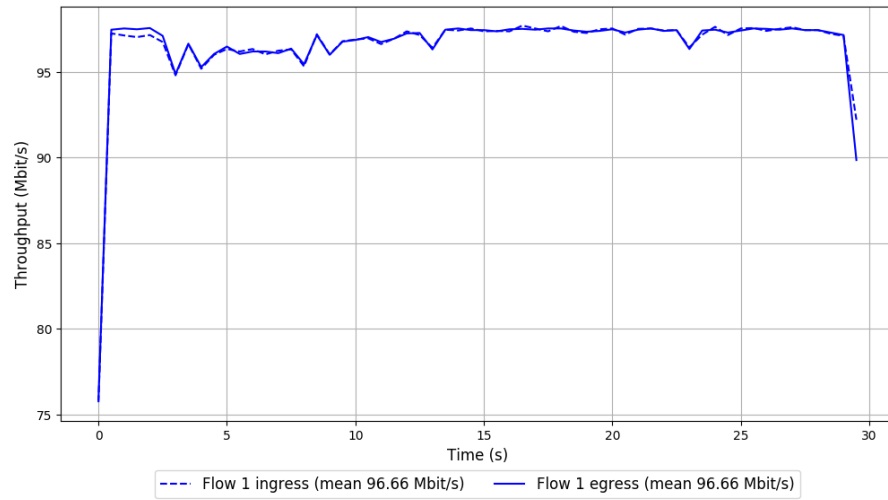


Run 4: Statistics of TCP Vegas

Start at: 2017-11-30 12:40:35
End at: 2017-11-30 12:41:05
Local clock offset: -2.663 ms
Remote clock offset: -24.145 ms

Below is generated by plot.py at 2017-11-30 15:09:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.66 Mbit/s
95th percentile per-packet one-way delay: -4.968 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.66 Mbit/s
95th percentile per-packet one-way delay: -4.968 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

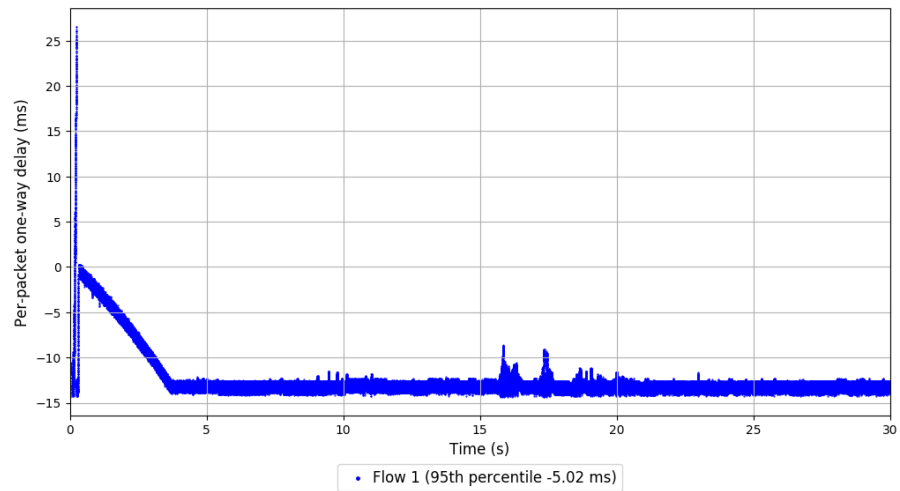
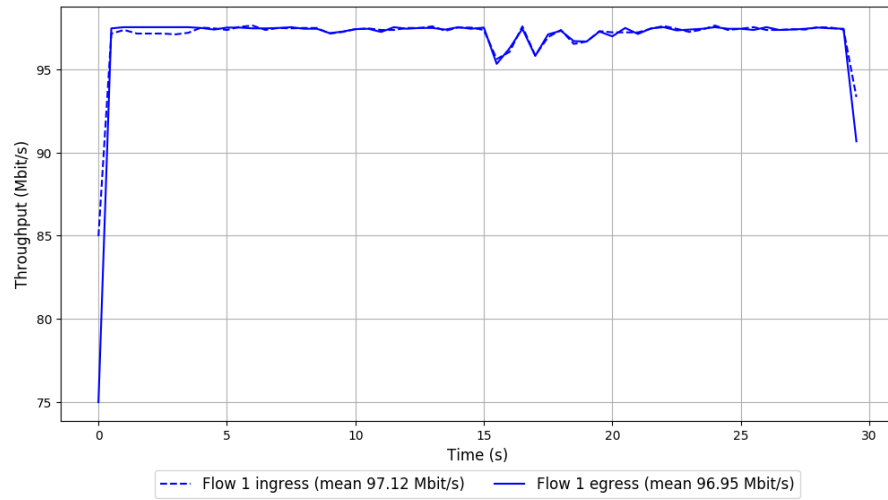


Run 5: Statistics of TCP Vegas

Start at: 2017-11-30 12:57:12
End at: 2017-11-30 12:57:42
Local clock offset: -1.898 ms
Remote clock offset: -23.327 ms

Below is generated by plot.py at 2017-11-30 15:09:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.95 Mbit/s
95th percentile per-packet one-way delay: -5.017 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 96.95 Mbit/s
95th percentile per-packet one-way delay: -5.017 ms
Loss rate: 0.18%

Run 5: Report of TCP Vegas — Data Link

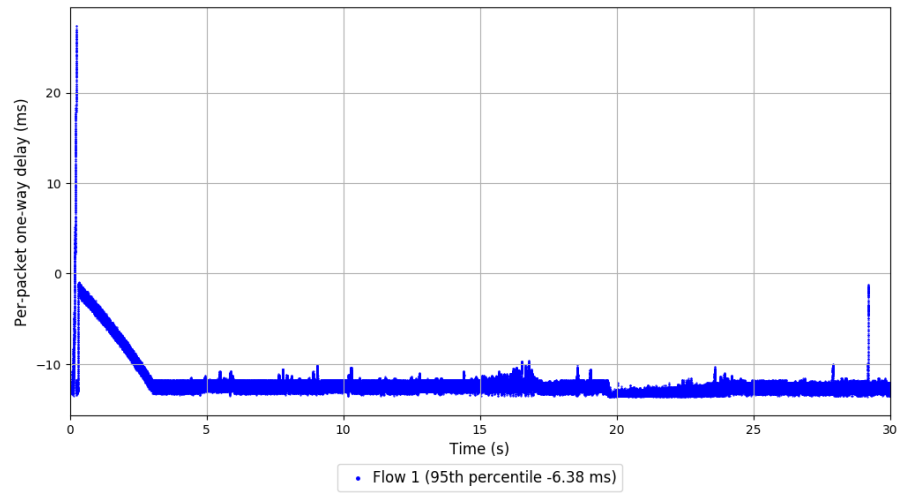
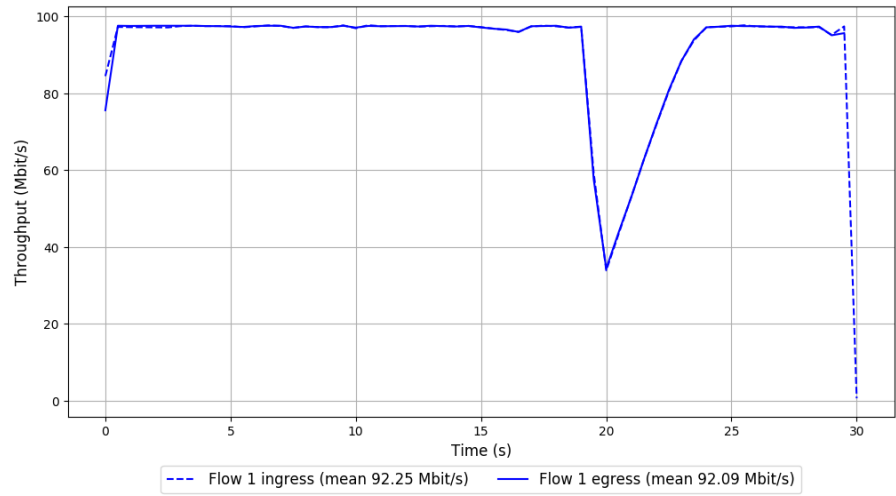


Run 6: Statistics of TCP Vegas

Start at: 2017-11-30 13:14:19
End at: 2017-11-30 13:14:49
Local clock offset: -3.804 ms
Remote clock offset: -23.573 ms

Below is generated by plot.py at 2017-11-30 15:09:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.09 Mbit/s
95th percentile per-packet one-way delay: -6.375 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 92.09 Mbit/s
95th percentile per-packet one-way delay: -6.375 ms
Loss rate: 0.17%

Run 6: Report of TCP Vegas — Data Link

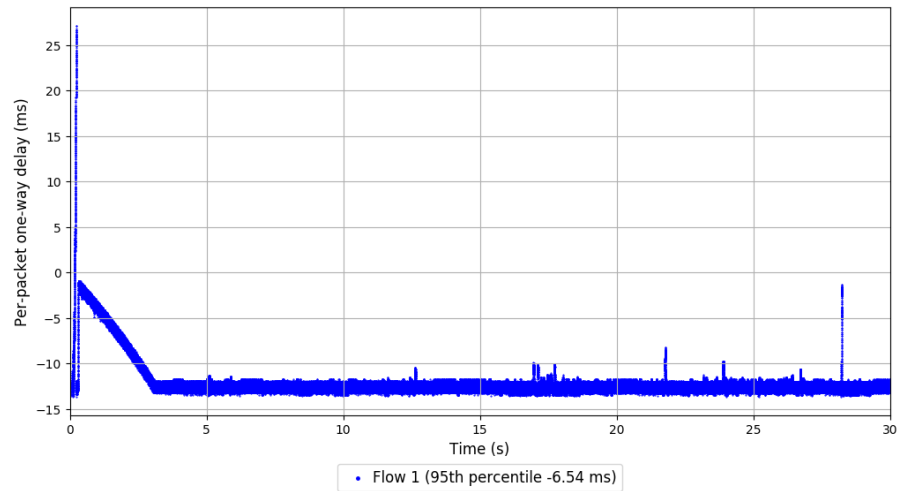
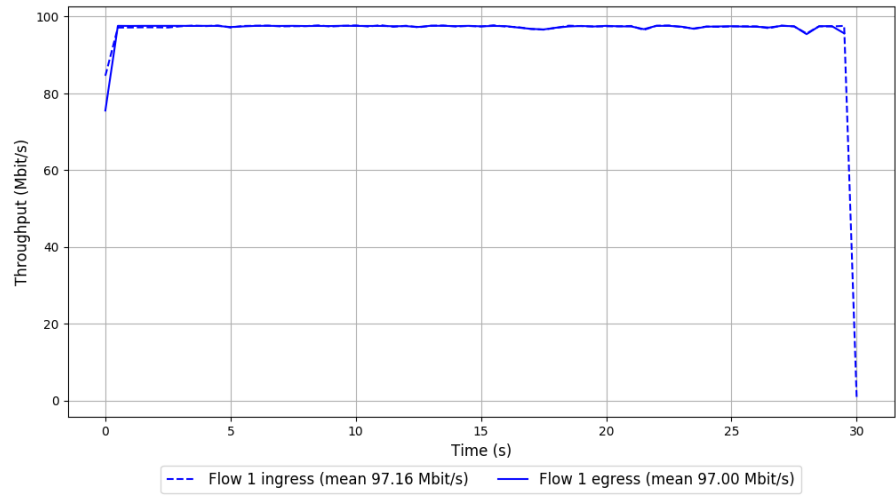


Run 7: Statistics of TCP Vegas

Start at: 2017-11-30 13:30:59
End at: 2017-11-30 13:31:29
Local clock offset: -4.243 ms
Remote clock offset: -23.012 ms

Below is generated by plot.py at 2017-11-30 15:10:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.00 Mbit/s
95th percentile per-packet one-way delay: -6.537 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 97.00 Mbit/s
95th percentile per-packet one-way delay: -6.537 ms
Loss rate: 0.16%

Run 7: Report of TCP Vegas — Data Link

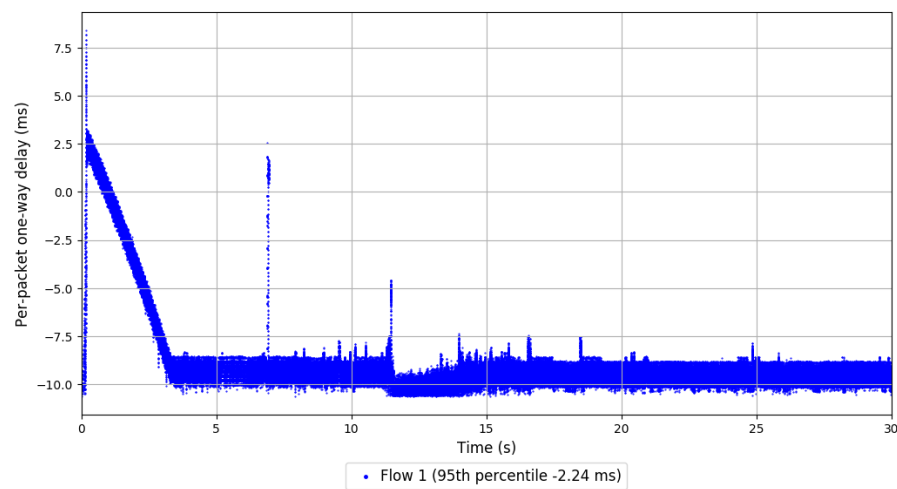
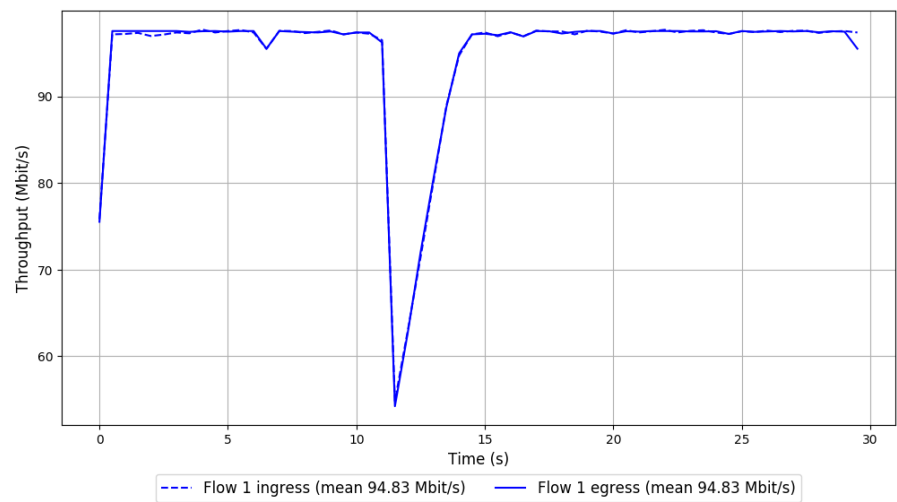


Run 8: Statistics of TCP Vegas

Start at: 2017-11-30 13:47:20
End at: 2017-11-30 13:47:50
Local clock offset: -7.28 ms
Remote clock offset: -22.896 ms

Below is generated by plot.py at 2017-11-30 15:10:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.83 Mbit/s
95th percentile per-packet one-way delay: -2.238 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.83 Mbit/s
95th percentile per-packet one-way delay: -2.238 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

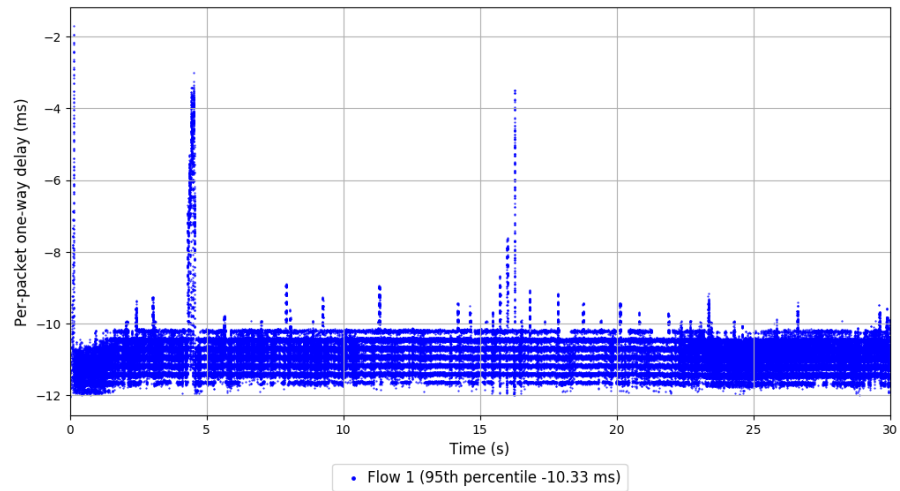
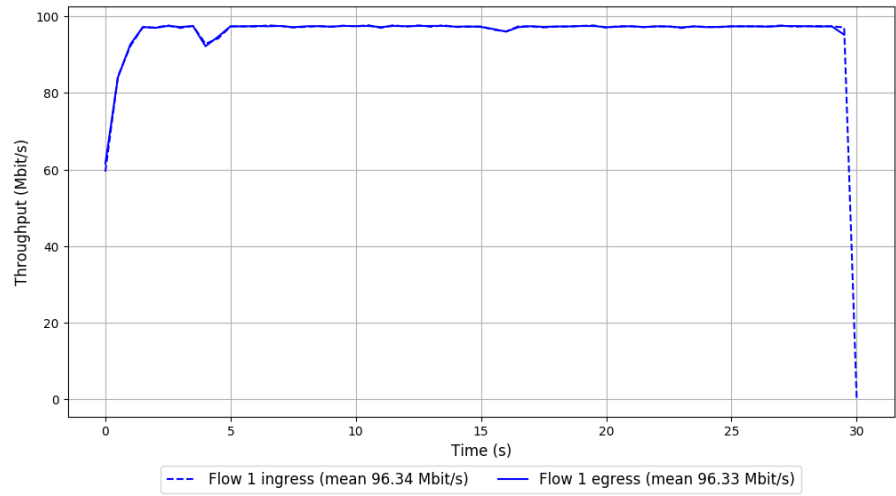


Run 9: Statistics of TCP Vegas

Start at: 2017-11-30 14:03:56
End at: 2017-11-30 14:04:26
Local clock offset: -6.164 ms
Remote clock offset: -22.754 ms

Below is generated by plot.py at 2017-11-30 15:10:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.33 Mbit/s
95th percentile per-packet one-way delay: -10.327 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.33 Mbit/s
95th percentile per-packet one-way delay: -10.327 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

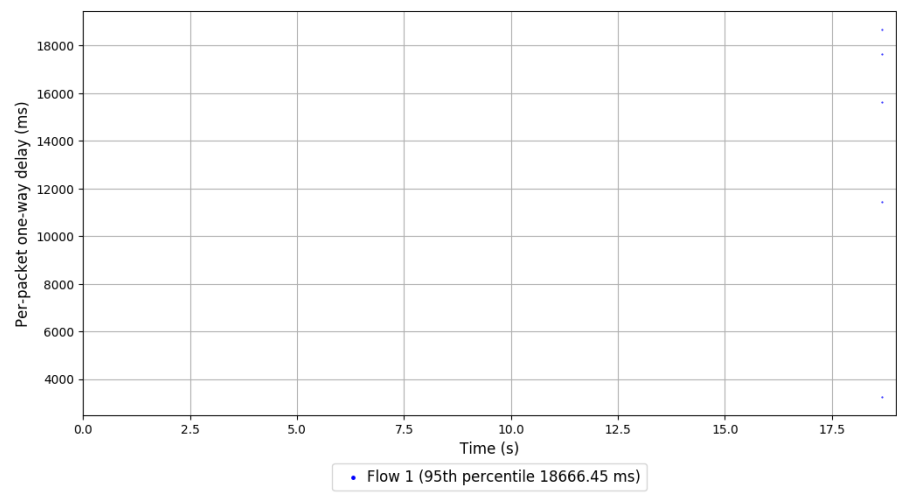
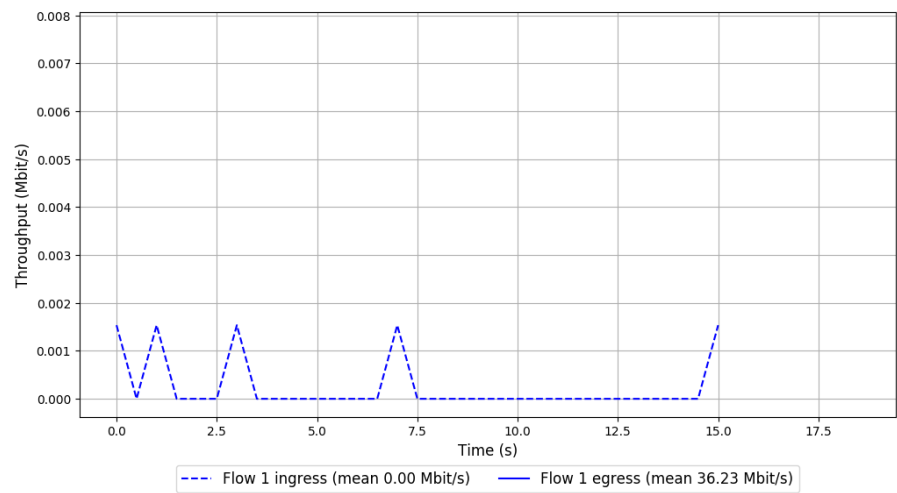
Start at: 2017-11-30 14:20:26

End at: 2017-11-30 14:20:56

Local clock offset: -5.906 ms

Remote clock offset: -21.797 ms

Run 10: Report of TCP Vegas — Data Link

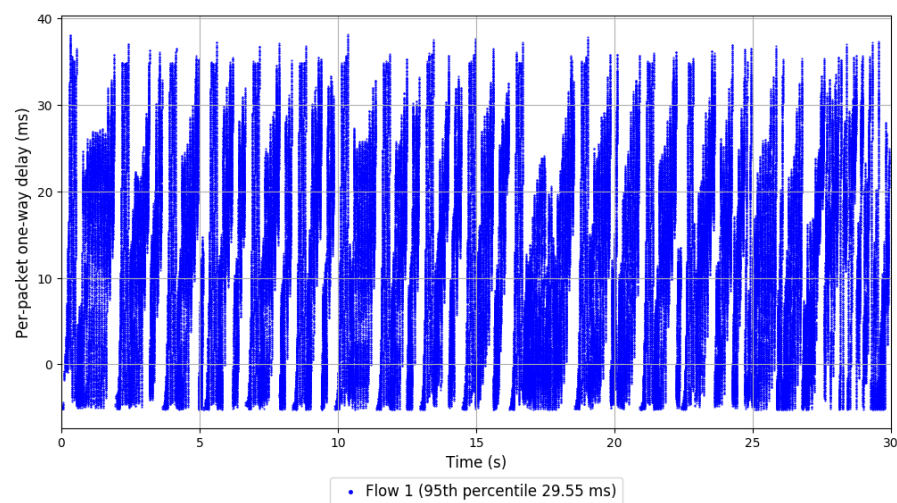
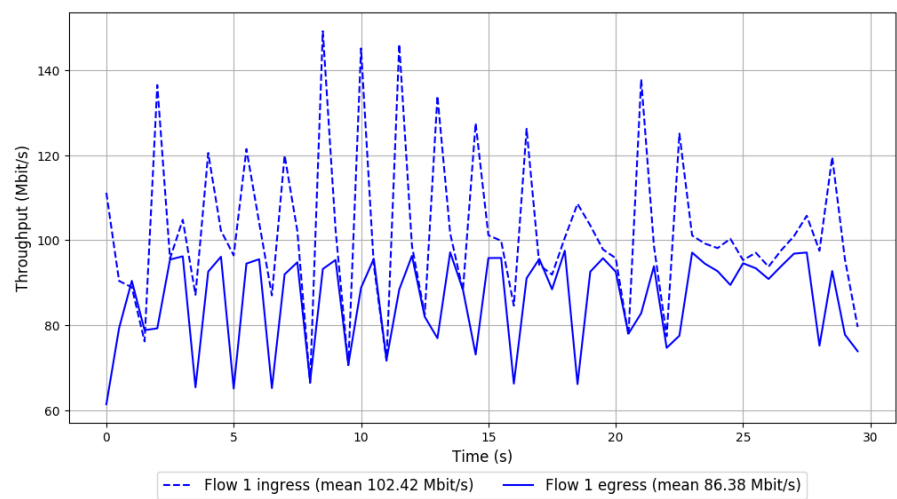


Run 1: Statistics of Verus

Start at: 2017-11-30 11:57:42
End at: 2017-11-30 11:58:12
Local clock offset: -2.21 ms
Remote clock offset: -18.468 ms

Below is generated by plot.py at 2017-11-30 15:10:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.38 Mbit/s
95th percentile per-packet one-way delay: 29.548 ms
Loss rate: 15.58%
-- Flow 1:
Average throughput: 86.38 Mbit/s
95th percentile per-packet one-way delay: 29.548 ms
Loss rate: 15.58%

Run 1: Report of Verus — Data Link

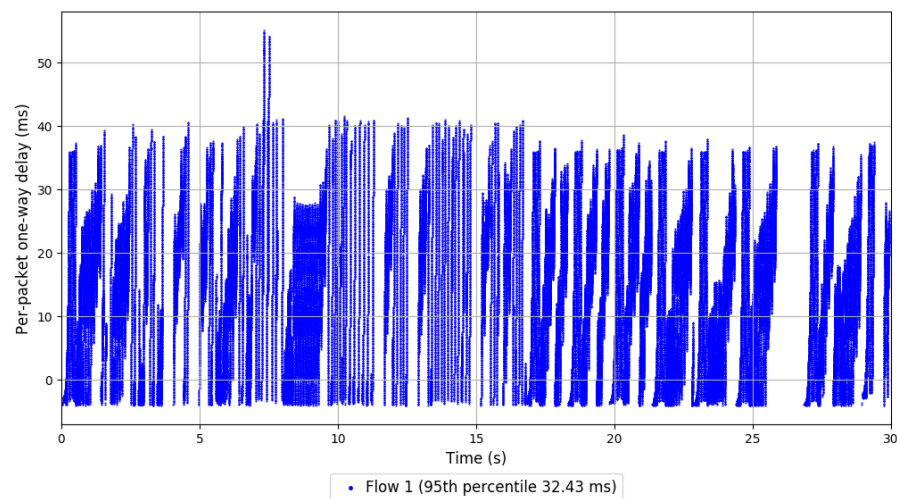
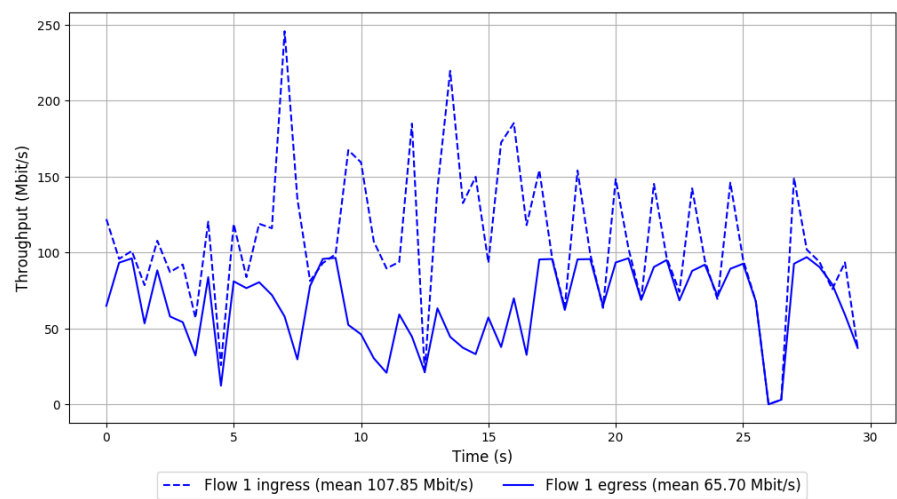


Run 2: Statistics of Verus

Start at: 2017-11-30 12:14:11
End at: 2017-11-30 12:14:41
Local clock offset: -3.689 ms
Remote clock offset: -18.013 ms

Below is generated by plot.py at 2017-11-30 15:10:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.70 Mbit/s
95th percentile per-packet one-way delay: 32.433 ms
Loss rate: 39.02%
-- Flow 1:
Average throughput: 65.70 Mbit/s
95th percentile per-packet one-way delay: 32.433 ms
Loss rate: 39.02%

Run 2: Report of Verus — Data Link

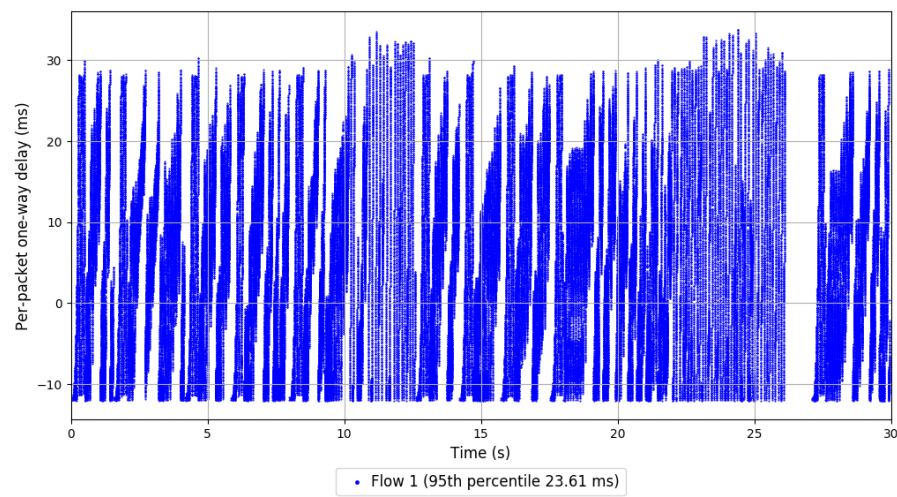
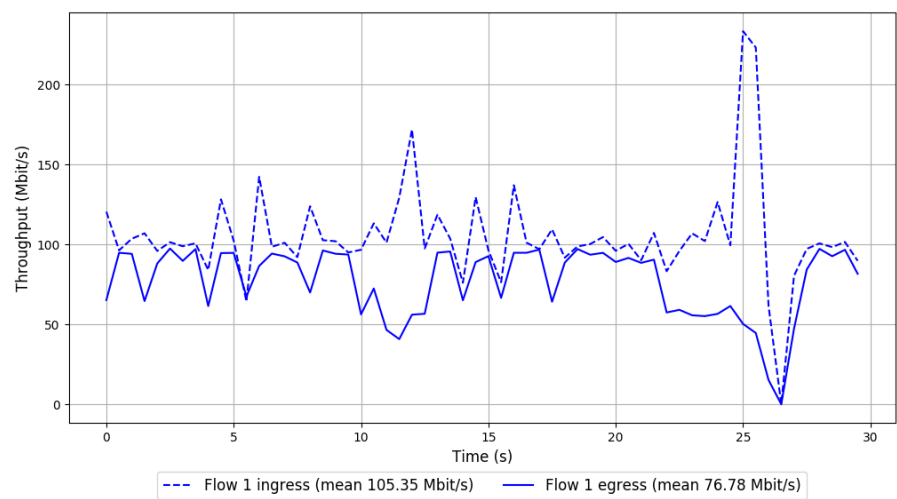


Run 3: Statistics of Verus

Start at: 2017-11-30 12:30:57
End at: 2017-11-30 12:31:27
Local clock offset: -2.255 ms
Remote clock offset: -24.057 ms

Below is generated by plot.py at 2017-11-30 15:10:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.78 Mbit/s
95th percentile per-packet one-way delay: 23.613 ms
Loss rate: 27.08%
-- Flow 1:
Average throughput: 76.78 Mbit/s
95th percentile per-packet one-way delay: 23.613 ms
Loss rate: 27.08%

Run 3: Report of Verus — Data Link

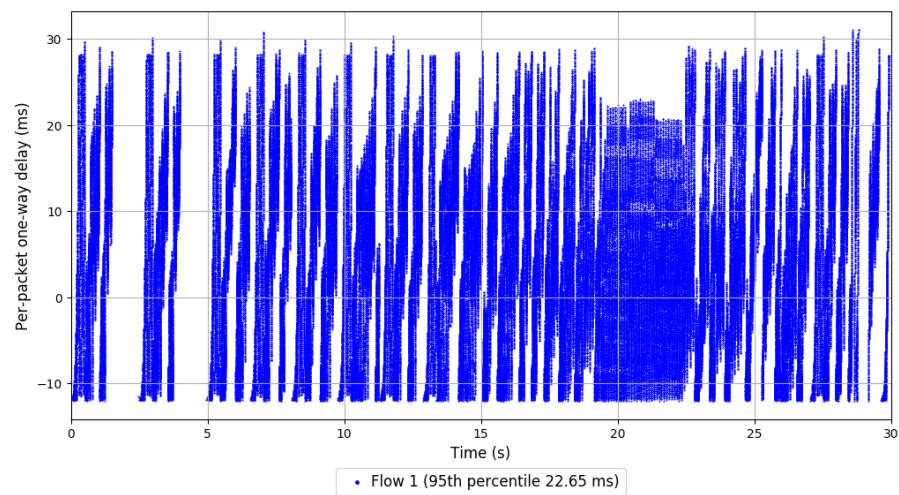
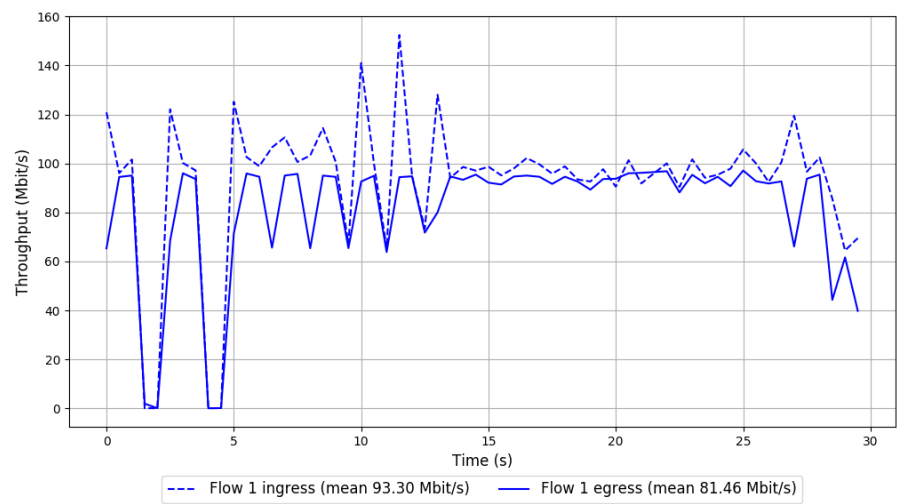


Run 4: Statistics of Verus

Start at: 2017-11-30 12:47:54
End at: 2017-11-30 12:48:25
Local clock offset: -3.692 ms
Remote clock offset: -23.27 ms

Below is generated by plot.py at 2017-11-30 15:10:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.46 Mbit/s
95th percentile per-packet one-way delay: 22.648 ms
Loss rate: 12.67%
-- Flow 1:
Average throughput: 81.46 Mbit/s
95th percentile per-packet one-way delay: 22.648 ms
Loss rate: 12.67%

Run 4: Report of Verus — Data Link

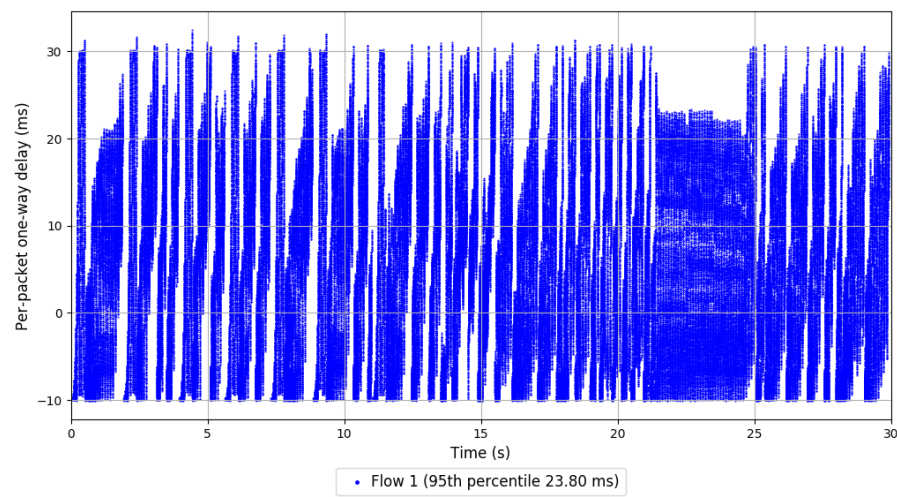
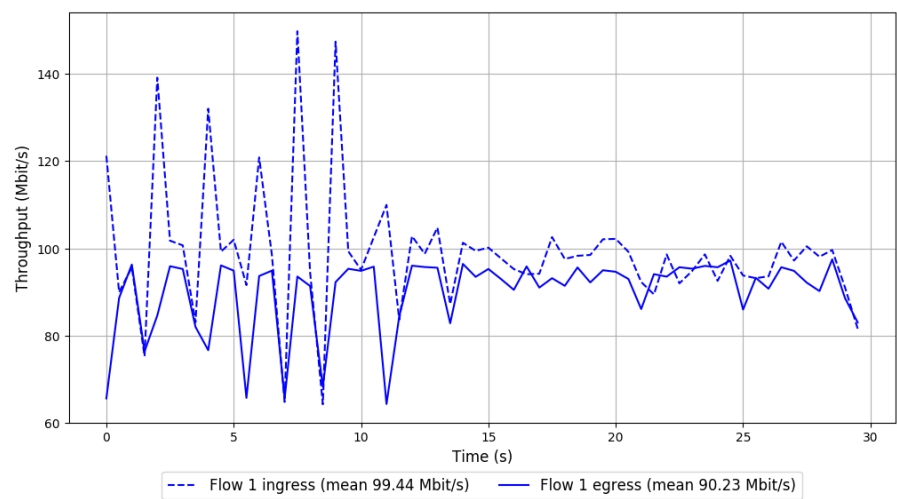


Run 5: Statistics of Verus

Start at: 2017-11-30 13:04:44
End at: 2017-11-30 13:05:14
Local clock offset: -5.56 ms
Remote clock offset: -22.261 ms

Below is generated by plot.py at 2017-11-30 15:10:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.23 Mbit/s
95th percentile per-packet one-way delay: 23.799 ms
Loss rate: 9.18%
-- Flow 1:
Average throughput: 90.23 Mbit/s
95th percentile per-packet one-way delay: 23.799 ms
Loss rate: 9.18%

Run 5: Report of Verus — Data Link

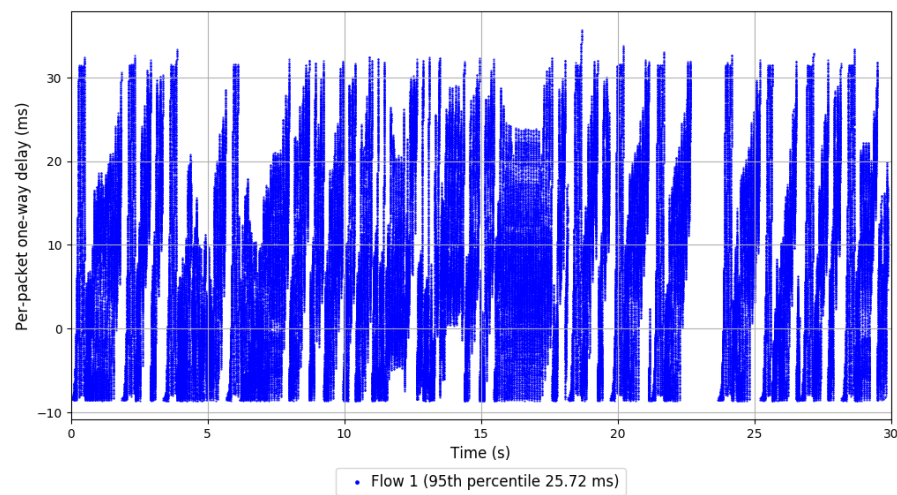
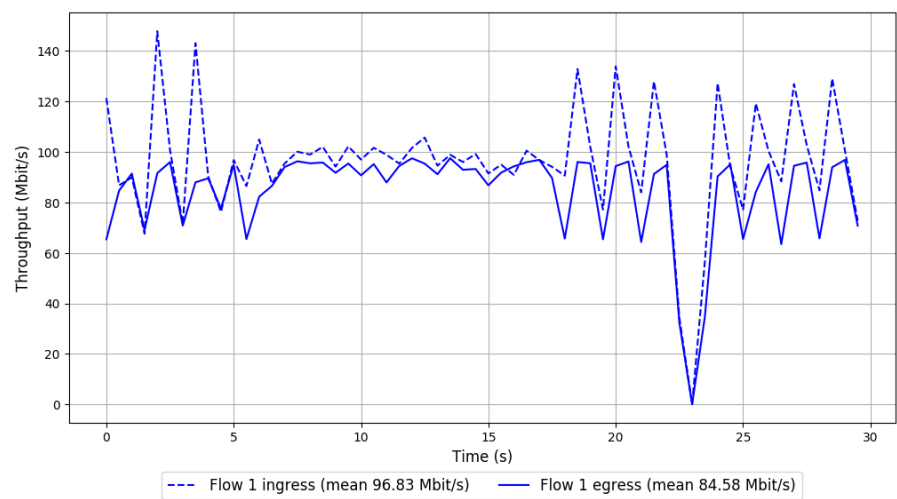


Run 6: Statistics of Verus

Start at: 2017-11-30 13:21:29
End at: 2017-11-30 13:21:59
Local clock offset: -7.172 ms
Remote clock offset: -21.41 ms

Below is generated by plot.py at 2017-11-30 15:11:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.58 Mbit/s
95th percentile per-packet one-way delay: 25.723 ms
Loss rate: 12.61%
-- Flow 1:
Average throughput: 84.58 Mbit/s
95th percentile per-packet one-way delay: 25.723 ms
Loss rate: 12.61%

Run 6: Report of Verus — Data Link

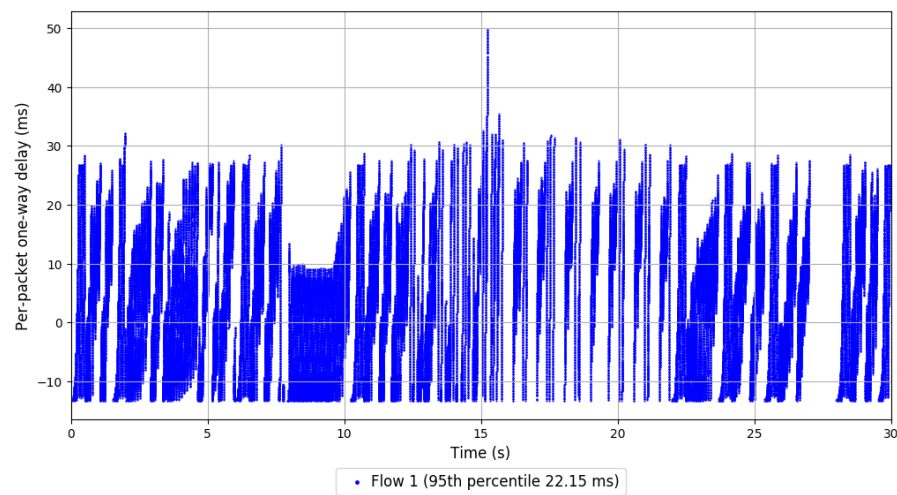
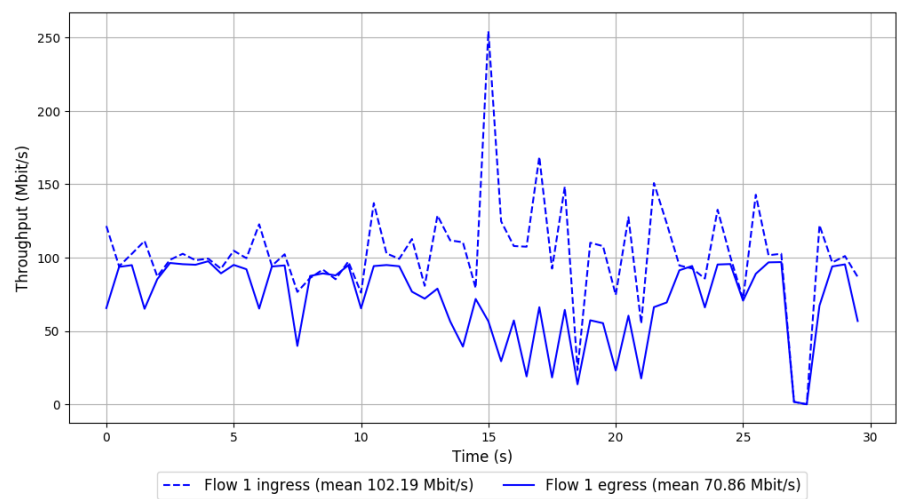


Run 7: Statistics of Verus

Start at: 2017-11-30 13:37:59
End at: 2017-11-30 13:38:29
Local clock offset: -5.871 ms
Remote clock offset: -23.874 ms

Below is generated by plot.py at 2017-11-30 15:11:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.86 Mbit/s
95th percentile per-packet one-way delay: 22.151 ms
Loss rate: 30.57%
-- Flow 1:
Average throughput: 70.86 Mbit/s
95th percentile per-packet one-way delay: 22.151 ms
Loss rate: 30.57%

Run 7: Report of Verus — Data Link

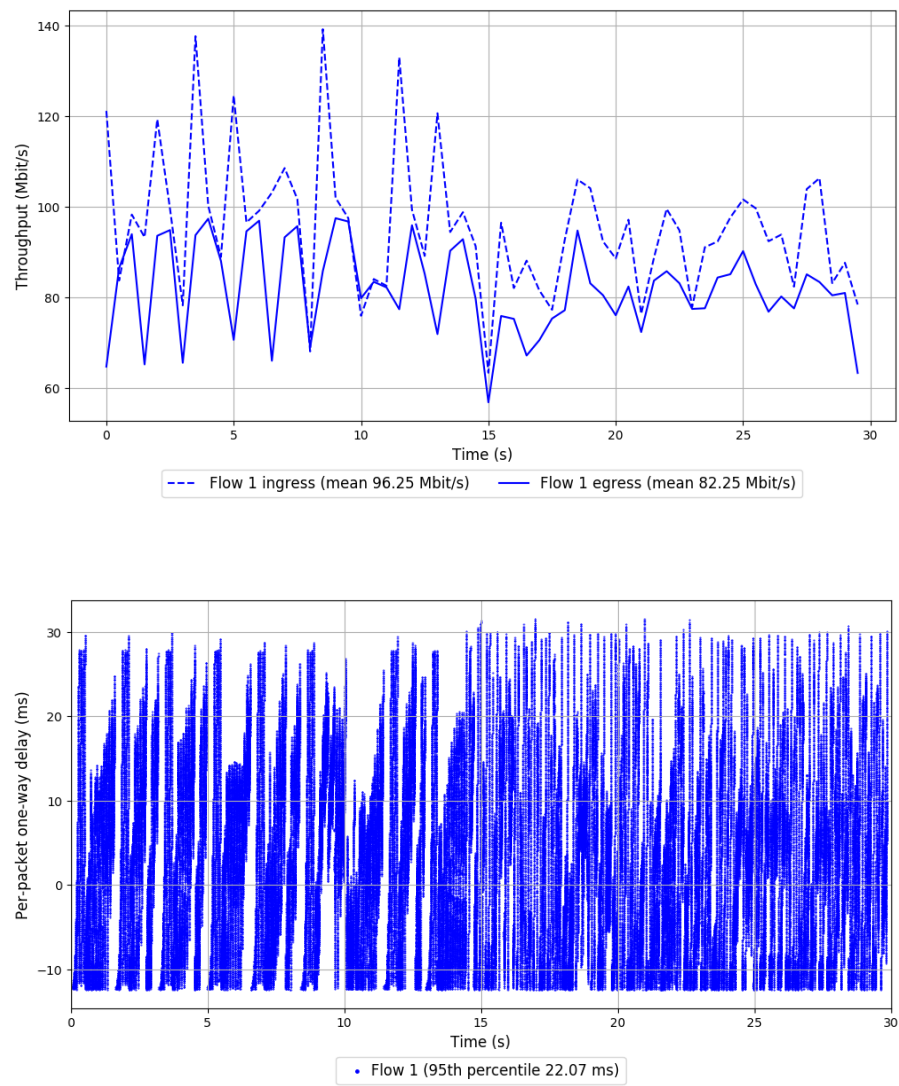


Run 8: Statistics of Verus

Start at: 2017-11-30 13:54:30
End at: 2017-11-30 13:55:00
Local clock offset: -7.348 ms
Remote clock offset: -24.204 ms

Below is generated by plot.py at 2017-11-30 15:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.25 Mbit/s
95th percentile per-packet one-way delay: 22.072 ms
Loss rate: 14.51%
-- Flow 1:
Average throughput: 82.25 Mbit/s
95th percentile per-packet one-way delay: 22.072 ms
Loss rate: 14.51%

Run 8: Report of Verus — Data Link

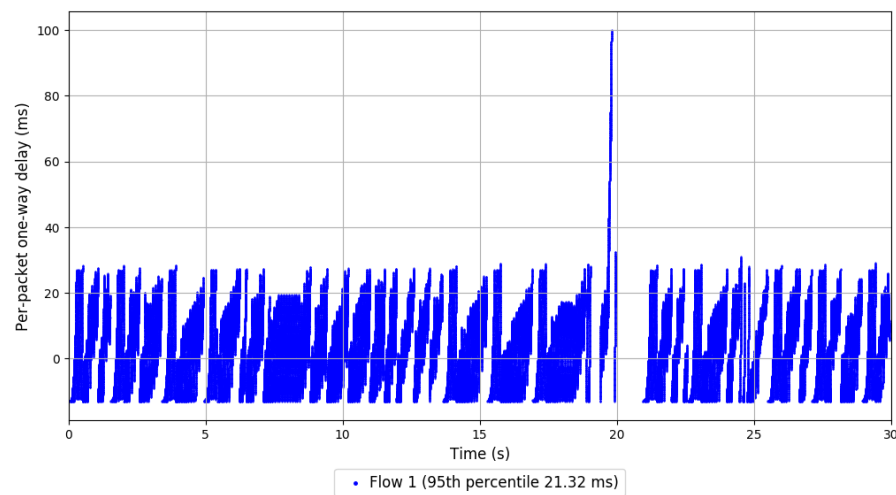
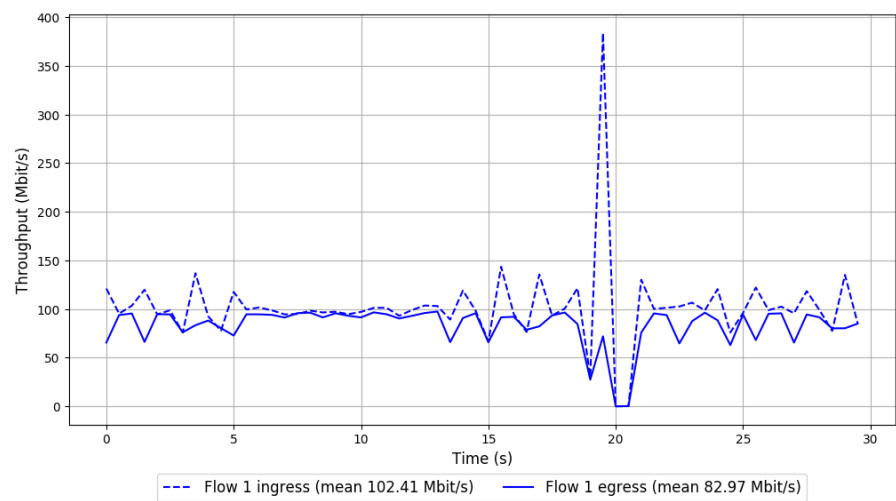


Run 9: Statistics of Verus

Start at: 2017-11-30 14:10:59
End at: 2017-11-30 14:11:29
Local clock offset: -5.136 ms
Remote clock offset: -22.439 ms

Below is generated by plot.py at 2017-11-30 15:11:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.97 Mbit/s
95th percentile per-packet one-way delay: 21.322 ms
Loss rate: 18.91%
-- Flow 1:
Average throughput: 82.97 Mbit/s
95th percentile per-packet one-way delay: 21.322 ms
Loss rate: 18.91%

Run 9: Report of Verus — Data Link

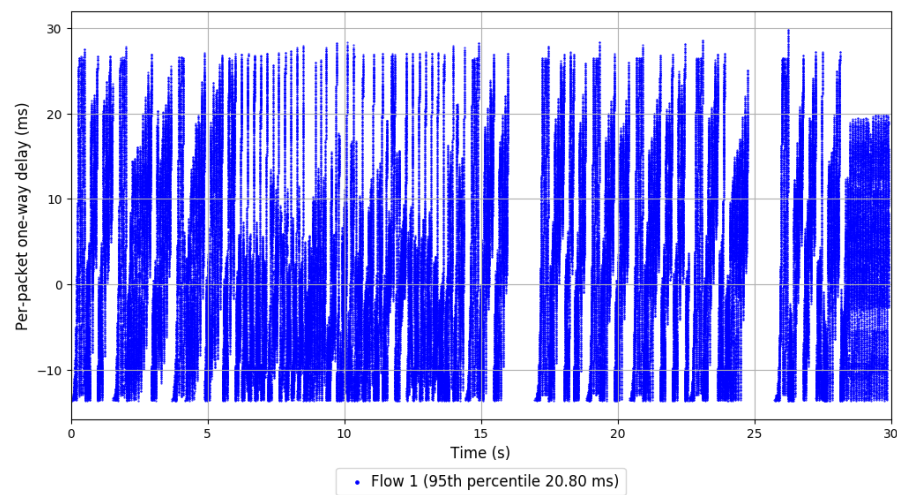
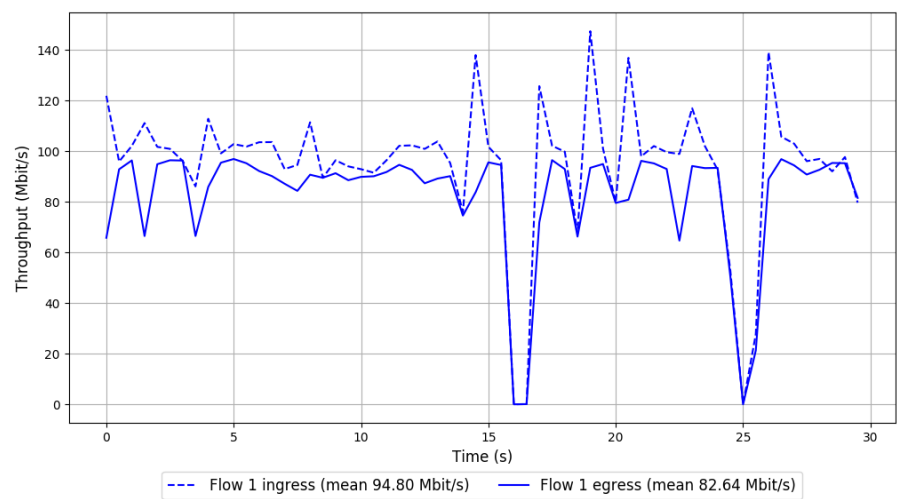


Run 10: Statistics of Verus

Start at: 2017-11-30 14:27:30
End at: 2017-11-30 14:28:00
Local clock offset: -5.406 ms
Remote clock offset: -22.39 ms

Below is generated by plot.py at 2017-11-30 15:11:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.64 Mbit/s
95th percentile per-packet one-way delay: 20.802 ms
Loss rate: 12.79%
-- Flow 1:
Average throughput: 82.64 Mbit/s
95th percentile per-packet one-way delay: 20.802 ms
Loss rate: 12.79%

Run 10: Report of Verus — Data Link

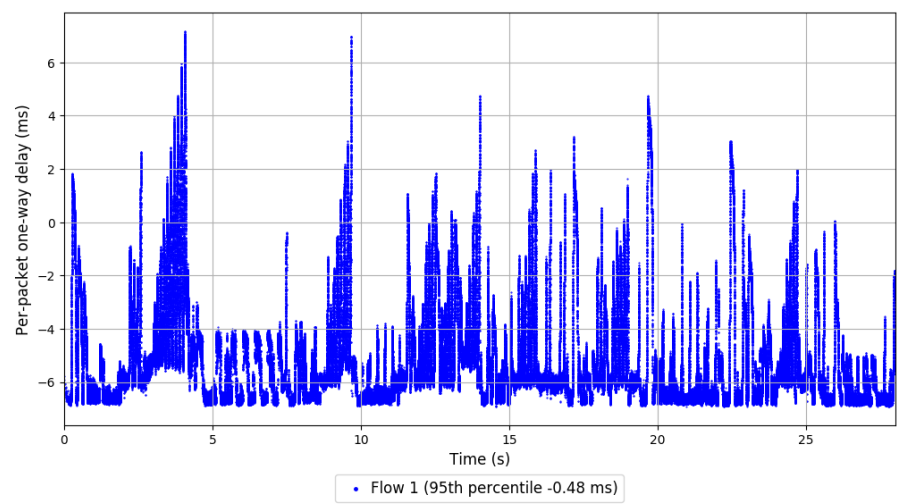
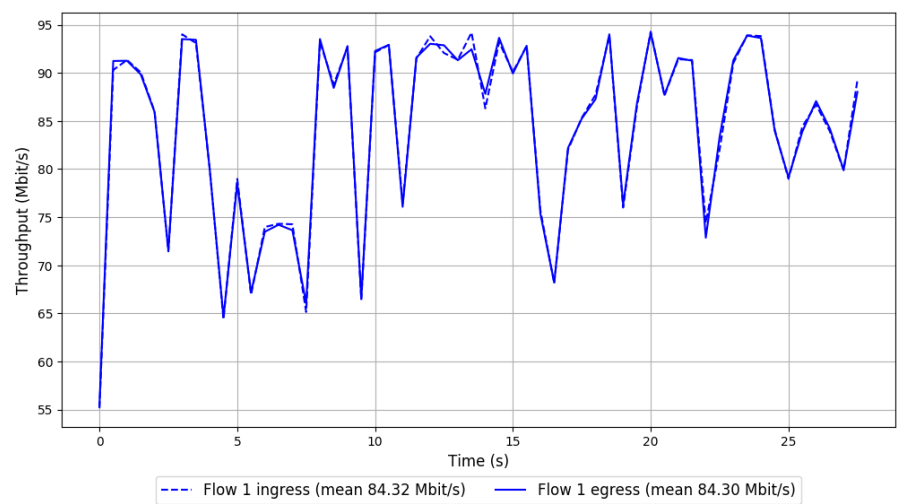


Run 1: Statistics of Copa

Start at: 2017-11-30 11:58:54
End at: 2017-11-30 11:59:24
Local clock offset: -1.732 ms
Remote clock offset: -19.744 ms

Below is generated by plot.py at 2017-11-30 15:12:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.30 Mbit/s
95th percentile per-packet one-way delay: -0.483 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 84.30 Mbit/s
95th percentile per-packet one-way delay: -0.483 ms
Loss rate: 0.01%

Run 1: Report of Copa — Data Link

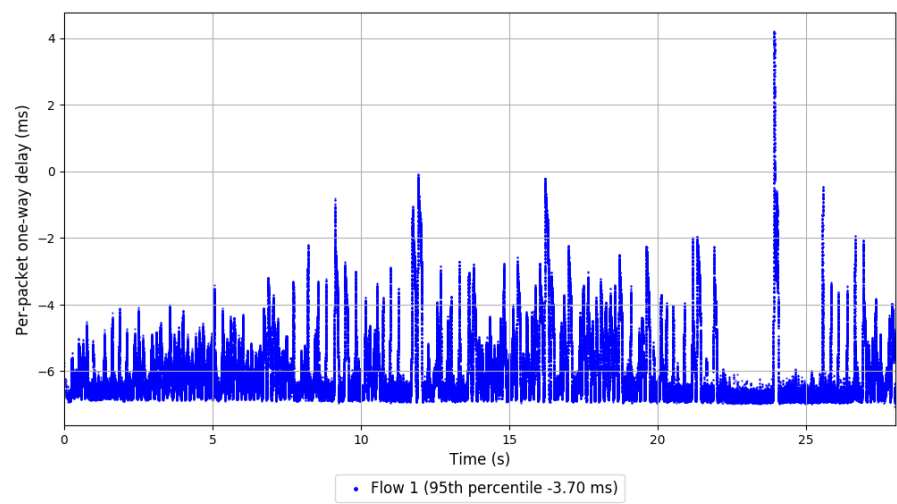
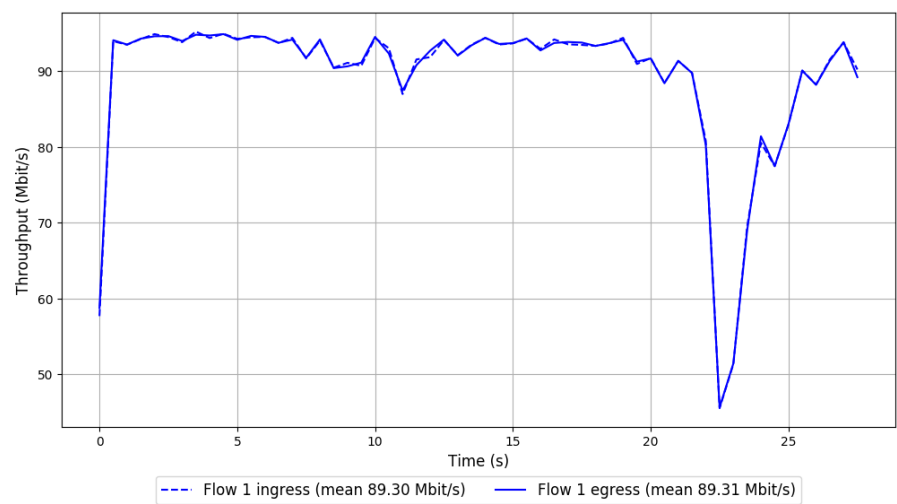


Run 2: Statistics of Copa

Start at: 2017-11-30 12:15:23
End at: 2017-11-30 12:15:53
Local clock offset: -2.47 ms
Remote clock offset: -19.511 ms

Below is generated by plot.py at 2017-11-30 15:12:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.31 Mbit/s
95th percentile per-packet one-way delay: -3.698 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.31 Mbit/s
95th percentile per-packet one-way delay: -3.698 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

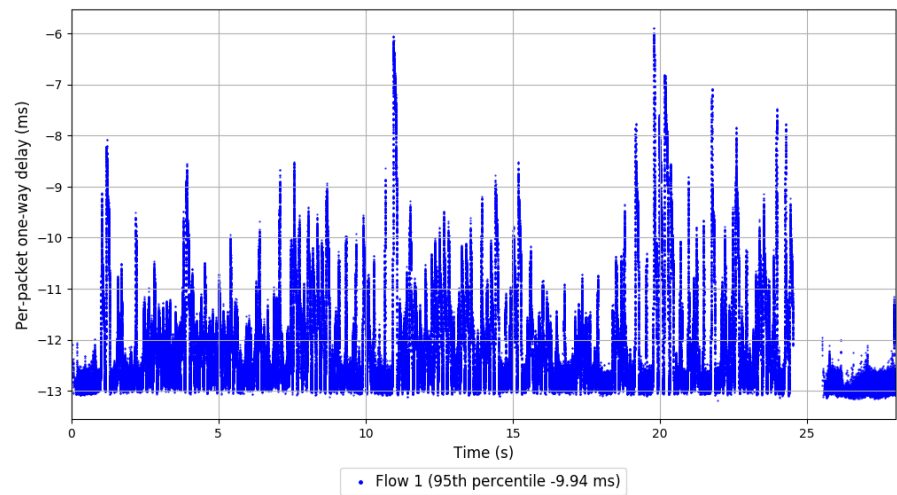
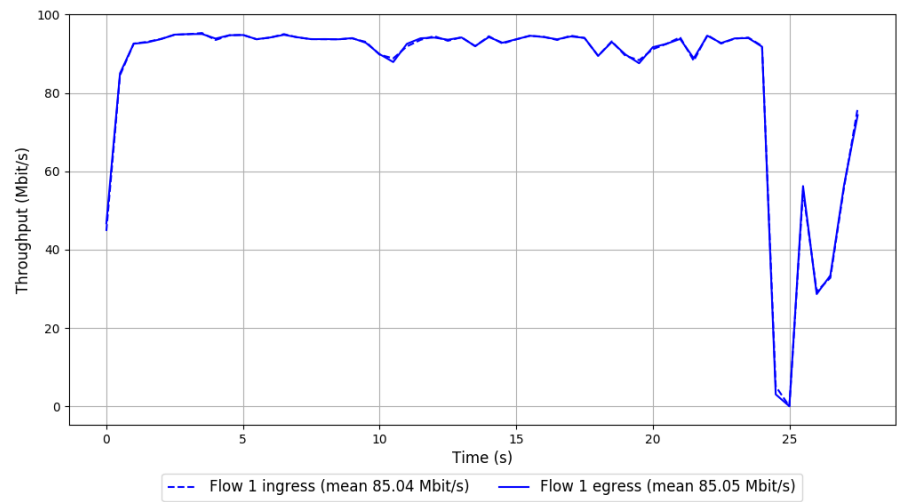


Run 3: Statistics of Copa

Start at: 2017-11-30 12:32:07
End at: 2017-11-30 12:32:37
Local clock offset: -3.014 ms
Remote clock offset: -25.803 ms

Below is generated by plot.py at 2017-11-30 15:12:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.05 Mbit/s
95th percentile per-packet one-way delay: -9.938 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.05 Mbit/s
95th percentile per-packet one-way delay: -9.938 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

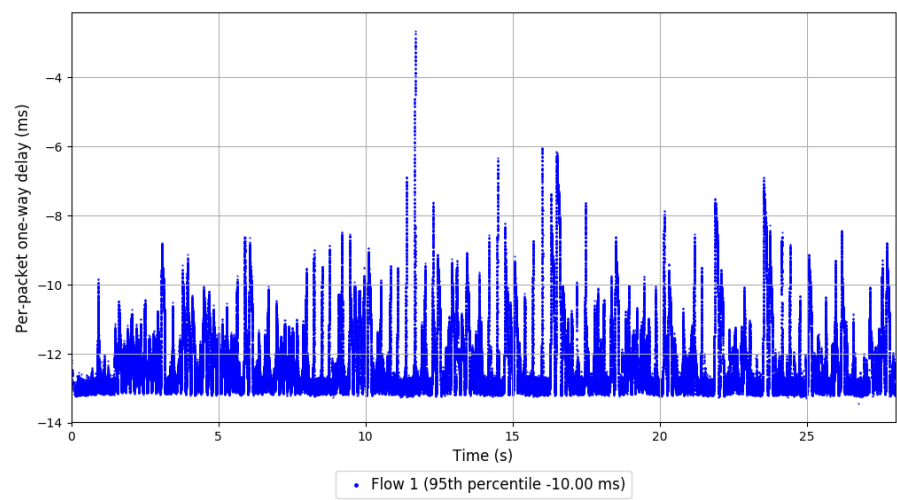
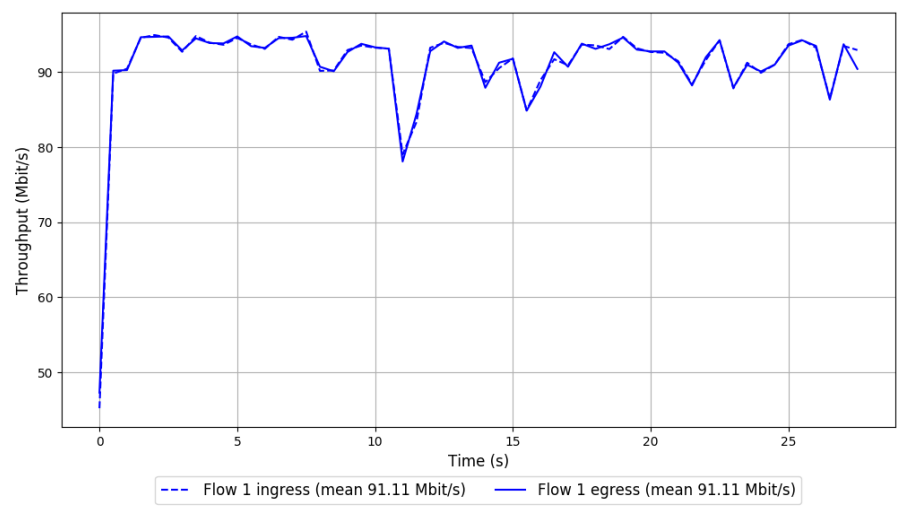


Run 4: Statistics of Copa

Start at: 2017-11-30 12:49:08
End at: 2017-11-30 12:49:38
Local clock offset: -2.264 ms
Remote clock offset: -23.09 ms

Below is generated by plot.py at 2017-11-30 15:13:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.11 Mbit/s
95th percentile per-packet one-way delay: -9.996 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.11 Mbit/s
95th percentile per-packet one-way delay: -9.996 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

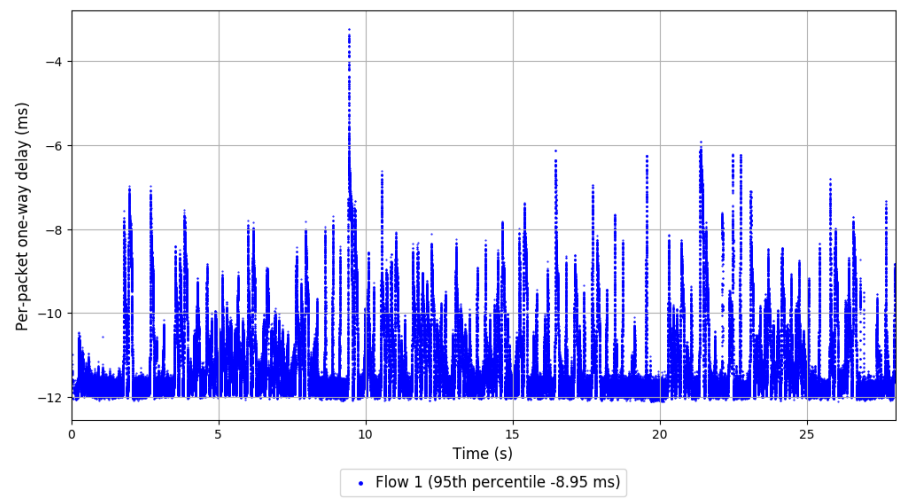
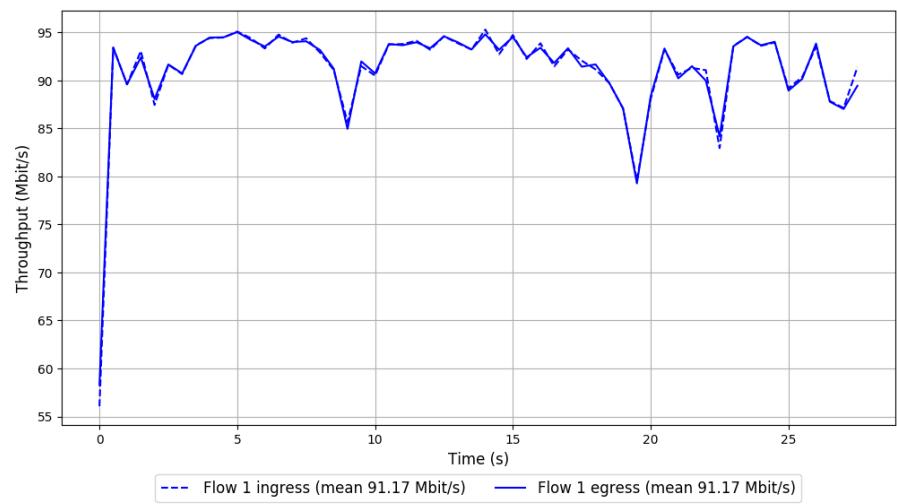


Run 5: Statistics of Copa

Start at: 2017-11-30 13:05:57
End at: 2017-11-30 13:06:27
Local clock offset: -3.727 ms
Remote clock offset: -22.584 ms

Below is generated by plot.py at 2017-11-30 15:13:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.17 Mbit/s
95th percentile per-packet one-way delay: -8.948 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.17 Mbit/s
95th percentile per-packet one-way delay: -8.948 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

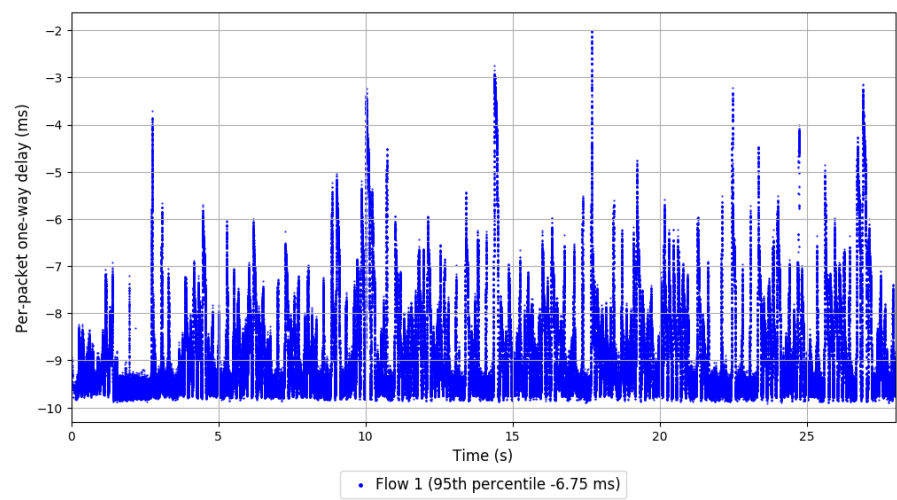
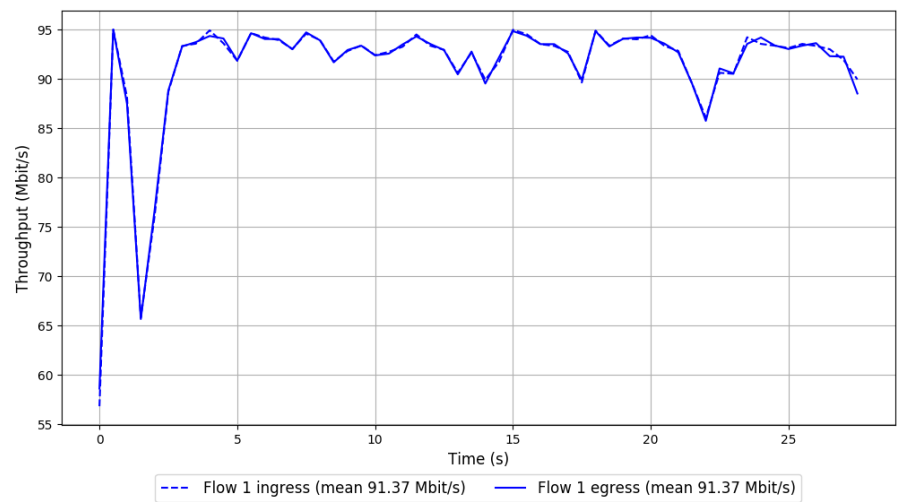


Run 6: Statistics of Copa

Start at: 2017-11-30 13:22:40
End at: 2017-11-30 13:23:10
Local clock offset: -6.508 ms
Remote clock offset: -21.996 ms

Below is generated by plot.py at 2017-11-30 15:13:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.37 Mbit/s
95th percentile per-packet one-way delay: -6.748 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.37 Mbit/s
95th percentile per-packet one-way delay: -6.748 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

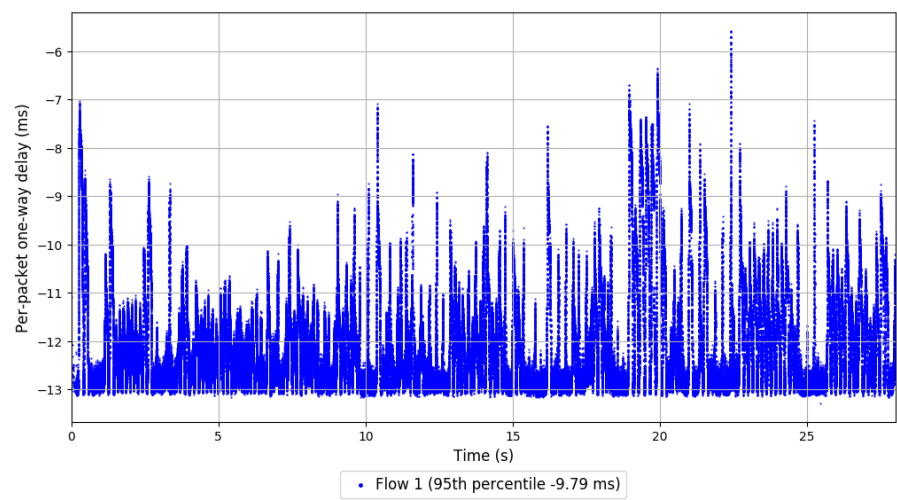
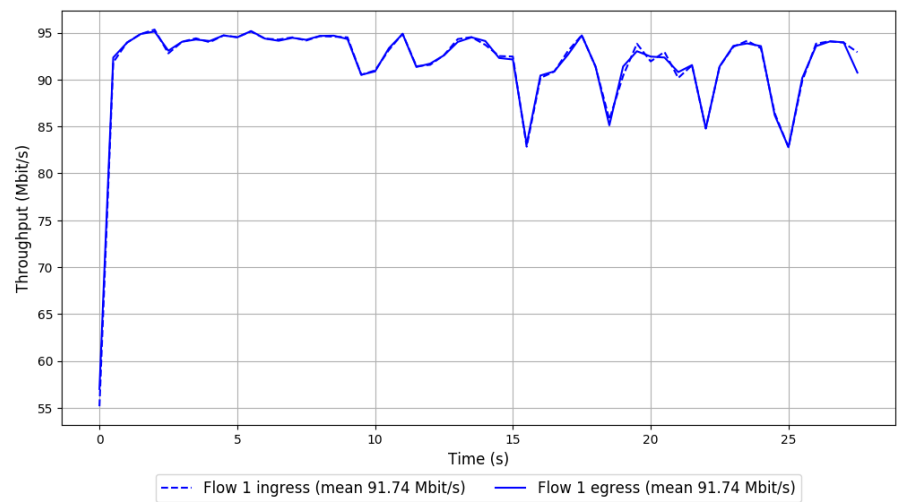


Run 7: Statistics of Copa

Start at: 2017-11-30 13:39:11
End at: 2017-11-30 13:39:41
Local clock offset: -6.553 ms
Remote clock offset: -24.409 ms

Below is generated by plot.py at 2017-11-30 15:13:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.74 Mbit/s
95th percentile per-packet one-way delay: -9.786 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.74 Mbit/s
95th percentile per-packet one-way delay: -9.786 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

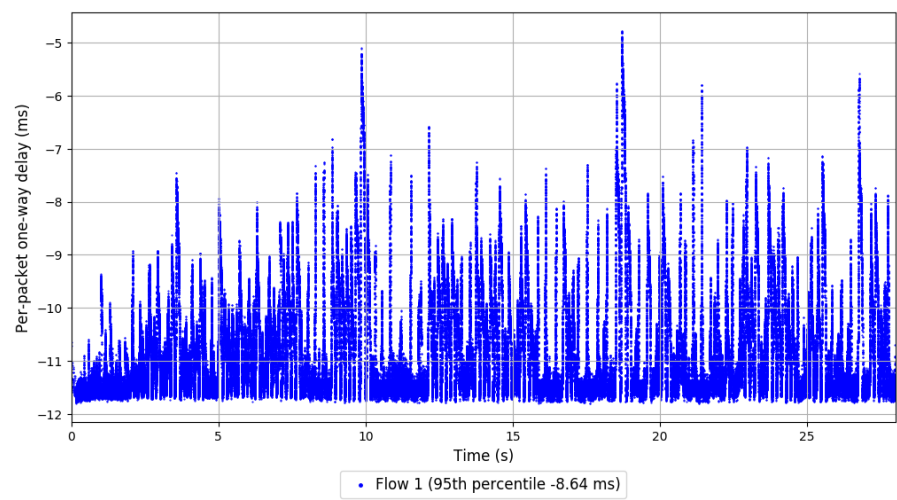
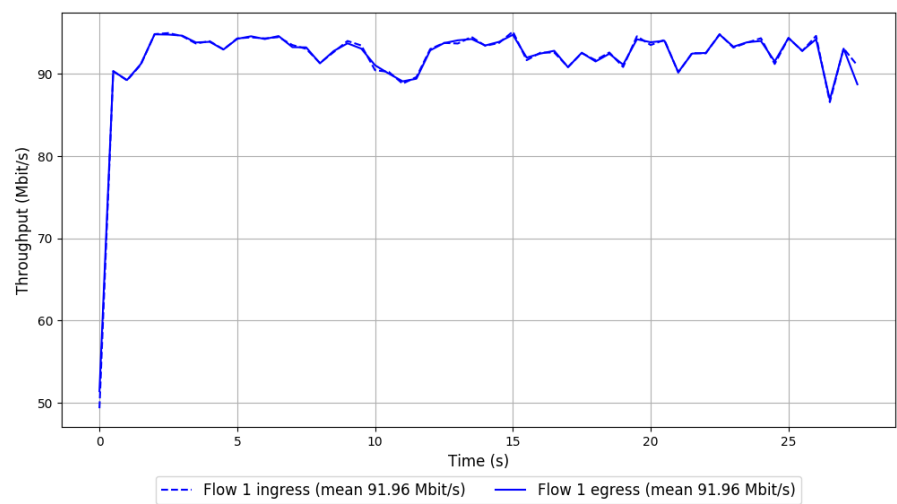


Run 8: Statistics of Copa

Start at: 2017-11-30 13:55:41
End at: 2017-11-30 13:56:11
Local clock offset: -5.681 ms
Remote clock offset: -21.989 ms

Below is generated by plot.py at 2017-11-30 15:13:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.96 Mbit/s
95th percentile per-packet one-way delay: -8.636 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.96 Mbit/s
95th percentile per-packet one-way delay: -8.636 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

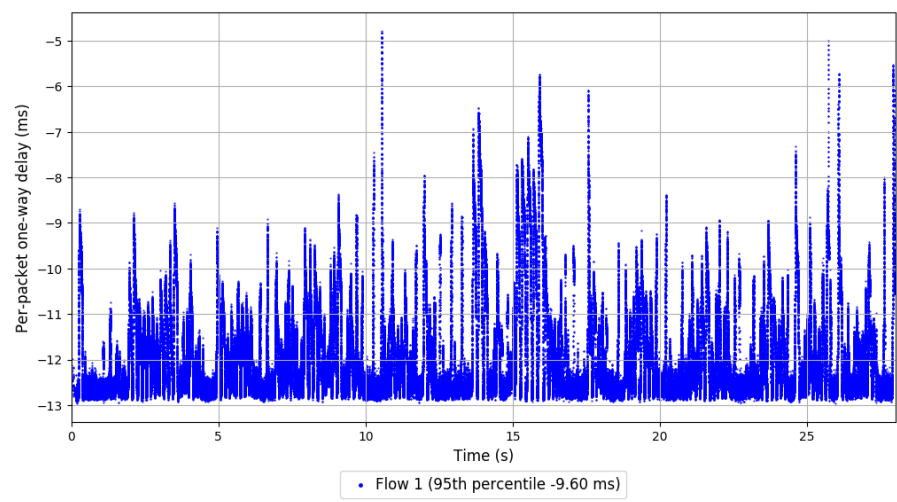
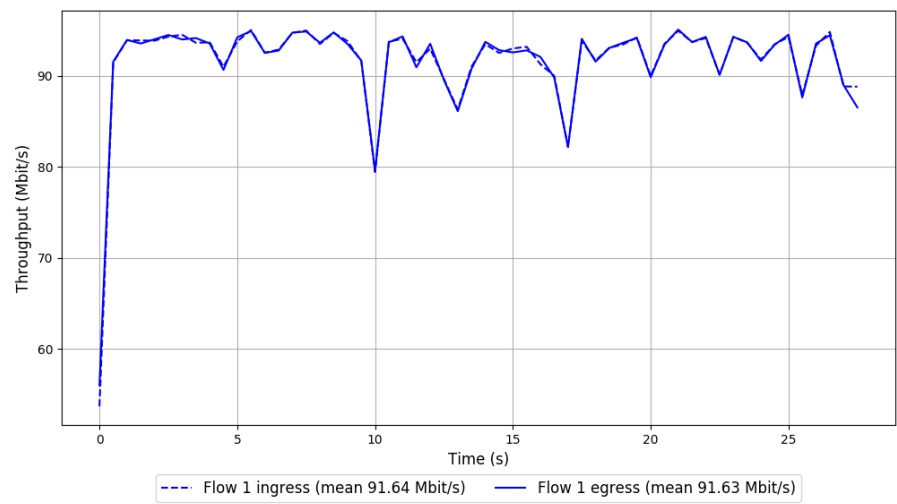


Run 9: Statistics of Copa

Start at: 2017-11-30 14:12:11
End at: 2017-11-30 14:12:41
Local clock offset: -5.366 ms
Remote clock offset: -22.805 ms

Below is generated by plot.py at 2017-11-30 15:14:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.63 Mbit/s
95th percentile per-packet one-way delay: -9.595 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.63 Mbit/s
95th percentile per-packet one-way delay: -9.595 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

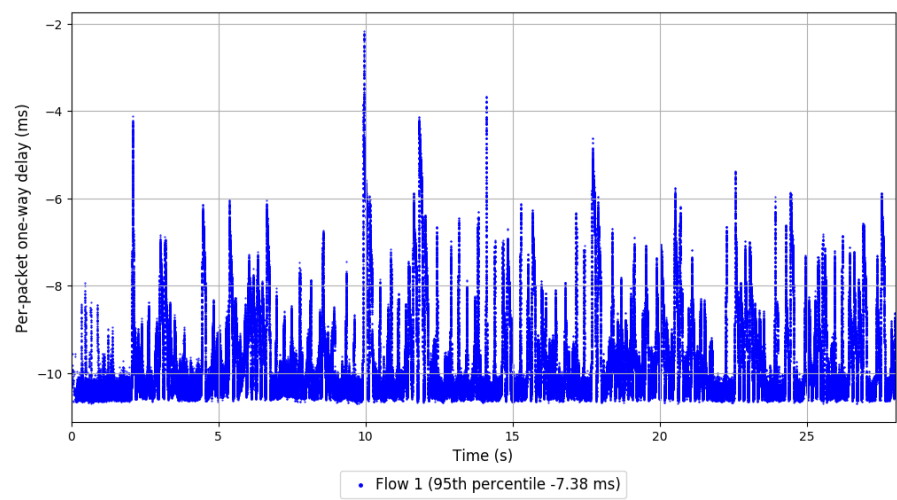
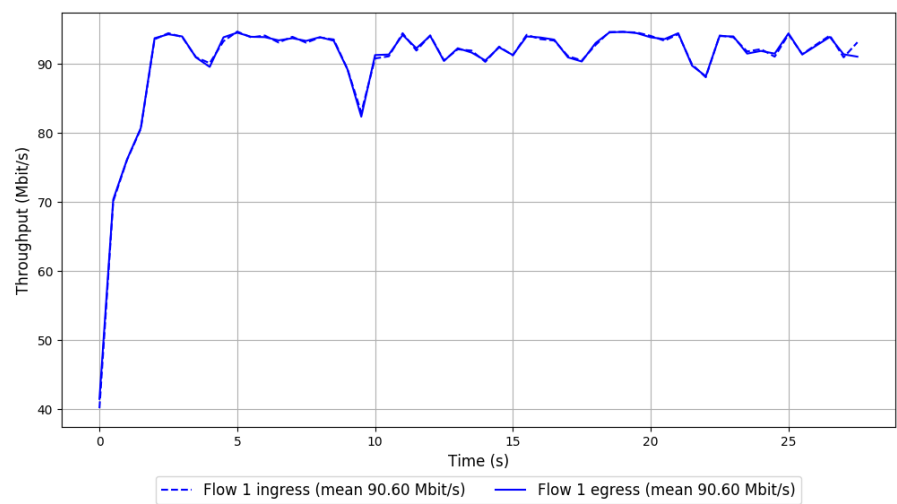


Run 10: Statistics of Copa

Start at: 2017-11-30 14:28:42
End at: 2017-11-30 14:29:12
Local clock offset: -6.734 ms
Remote clock offset: -21.148 ms

Below is generated by plot.py at 2017-11-30 15:15:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.60 Mbit/s
95th percentile per-packet one-way delay: -7.382 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.60 Mbit/s
95th percentile per-packet one-way delay: -7.382 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

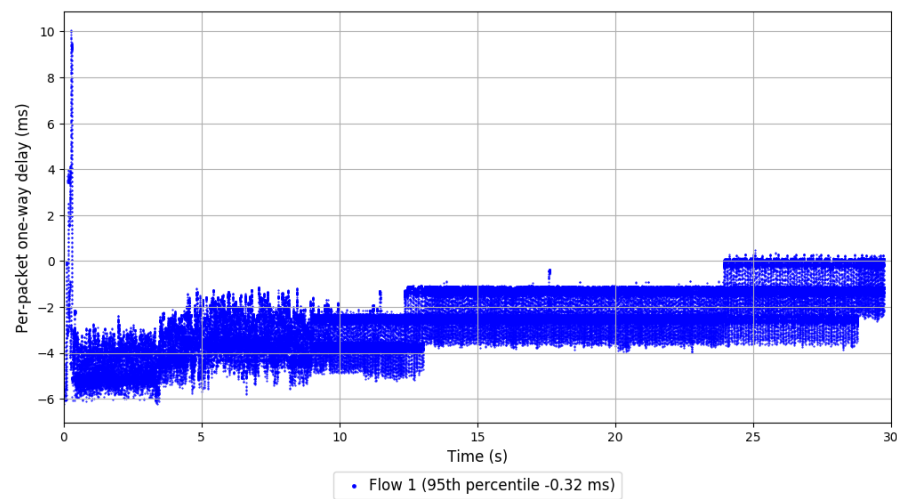
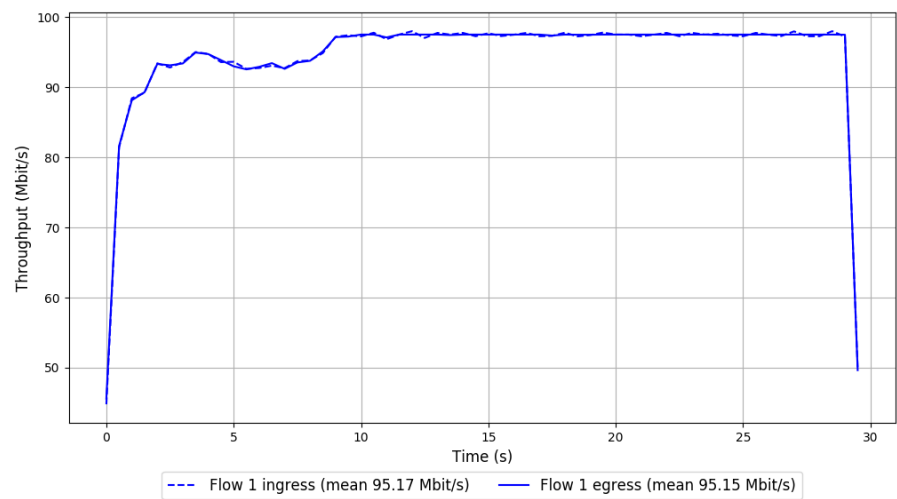


```
Run 1: Statistics of Indigo

Start at: 2017-11-30 11:56:30
End at: 2017-11-30 11:57:00
Local clock offset: -0.882 ms
Remote clock offset: -18.447 ms

# Below is generated by plot.py at 2017-11-30 15:15:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.15 Mbit/s
95th percentile per-packet one-way delay: -0.323 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.15 Mbit/s
95th percentile per-packet one-way delay: -0.323 ms
Loss rate: 0.00%
```


Run 1: Report of Indigo — Data Link

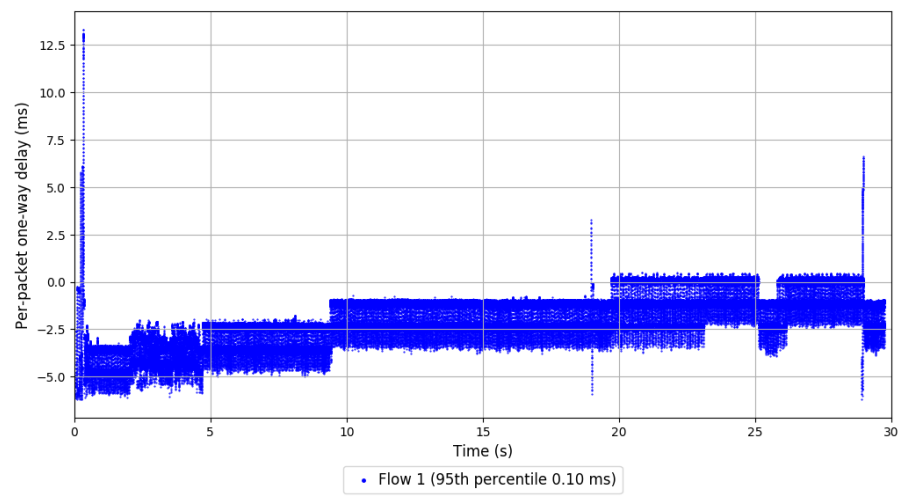
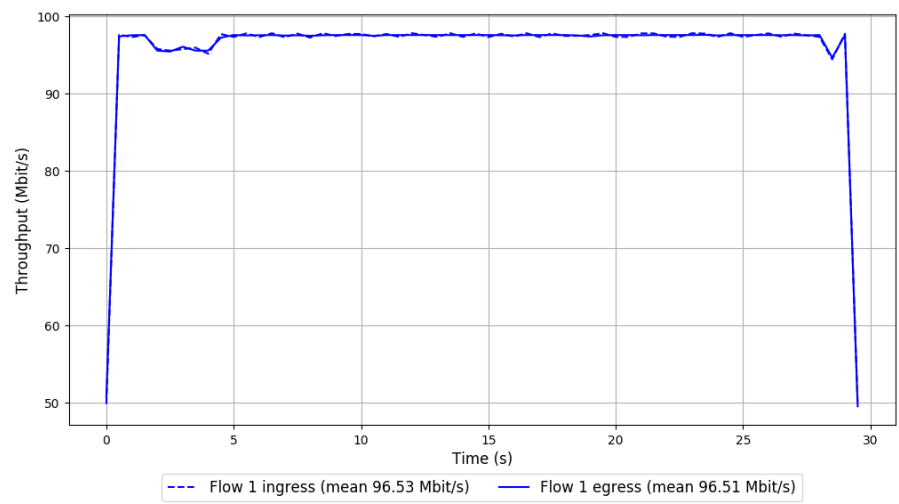


Run 2: Statistics of Indigo

Start at: 2017-11-30 12:12:55
End at: 2017-11-30 12:13:25
Local clock offset: -1.234 ms
Remote clock offset: -17.811 ms

Below is generated by plot.py at 2017-11-30 15:15:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.51 Mbit/s
95th percentile per-packet one-way delay: 0.103 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.51 Mbit/s
95th percentile per-packet one-way delay: 0.103 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

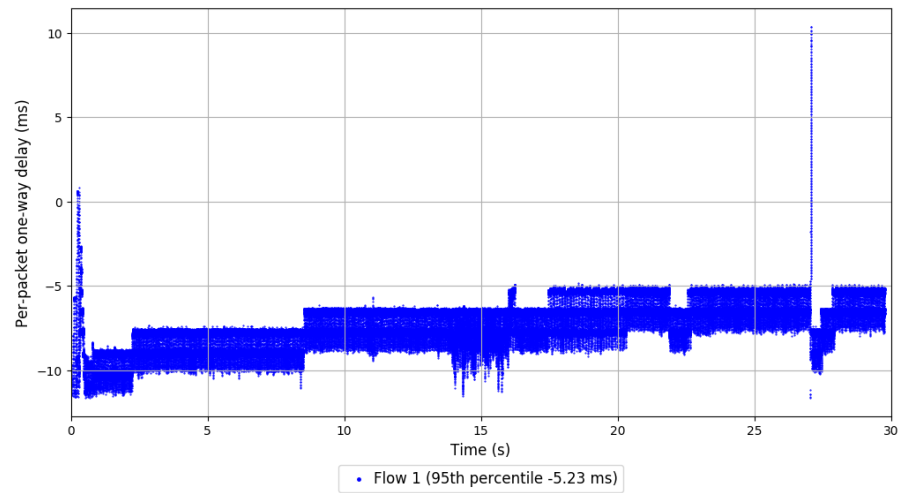
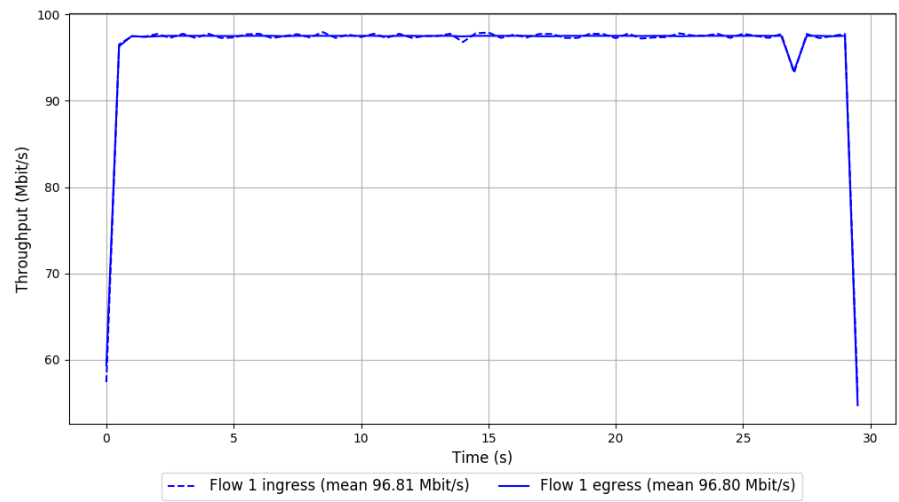


Run 3: Statistics of Indigo

Start at: 2017-11-30 12:29:31
End at: 2017-11-30 12:30:01
Local clock offset: -2.681 ms
Remote clock offset: -24.037 ms

Below is generated by plot.py at 2017-11-30 15:15:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.80 Mbit/s
95th percentile per-packet one-way delay: -5.227 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.80 Mbit/s
95th percentile per-packet one-way delay: -5.227 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

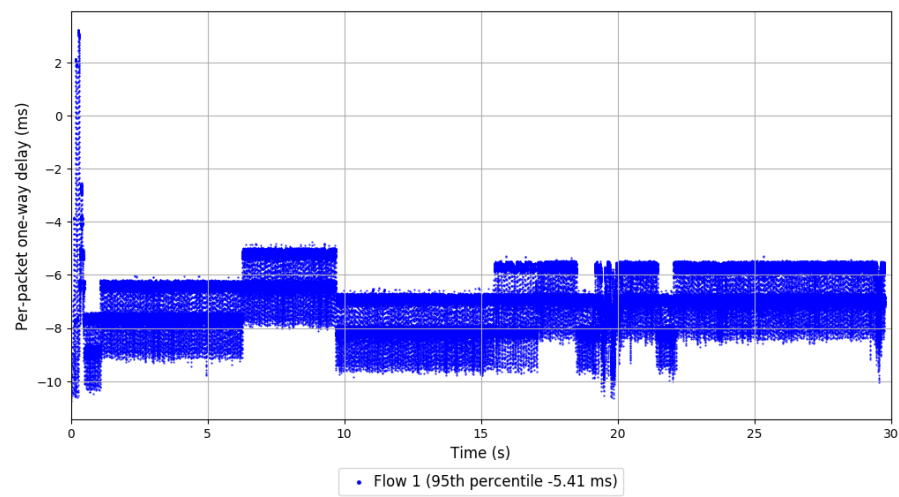
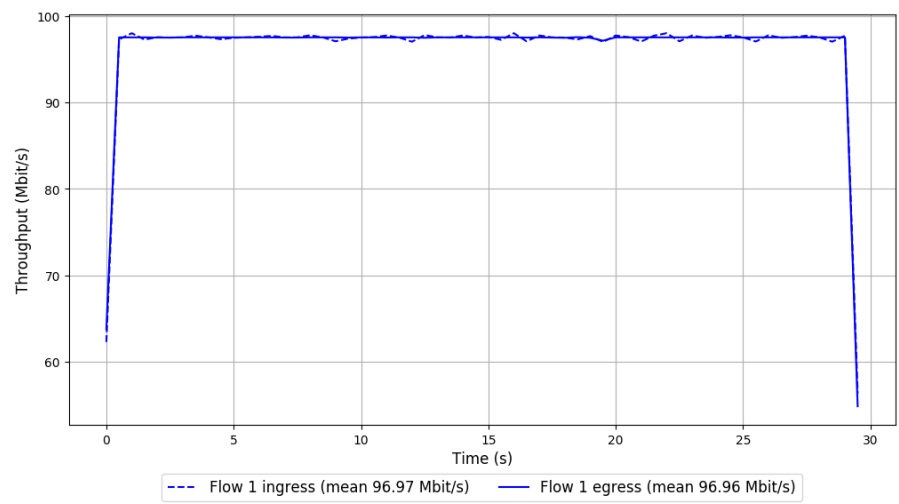


Run 4: Statistics of Indigo

Start at: 2017-11-30 12:46:38
End at: 2017-11-30 12:47:08
Local clock offset: -5.676 ms
Remote clock offset: -24.194 ms

Below is generated by plot.py at 2017-11-30 15:15:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.96 Mbit/s
95th percentile per-packet one-way delay: -5.406 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.96 Mbit/s
95th percentile per-packet one-way delay: -5.406 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2017-11-30 13:03:27

End at: 2017-11-30 13:03:57

Local clock offset: -4.226 ms

Remote clock offset: -22.253 ms

Below is generated by plot.py at 2017-11-30 15:15:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.86 Mbit/s

95th percentile per-packet one-way delay: -5.103 ms

Loss rate: 0.00%

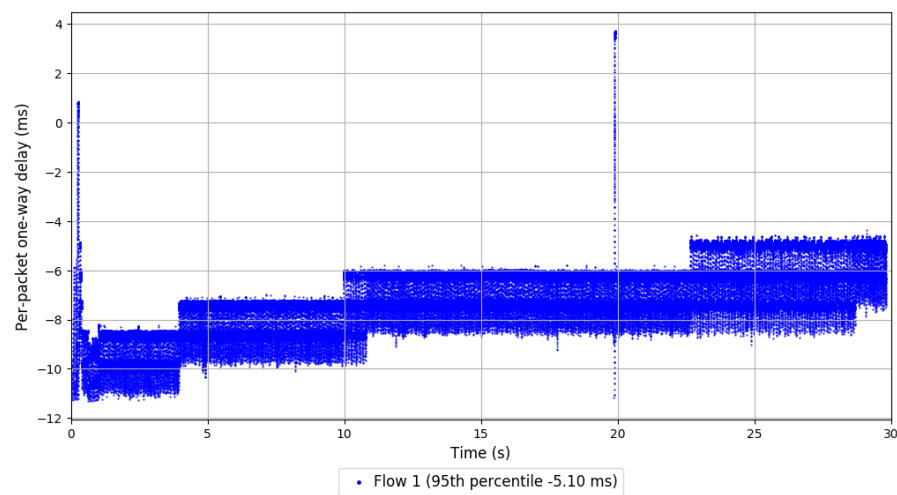
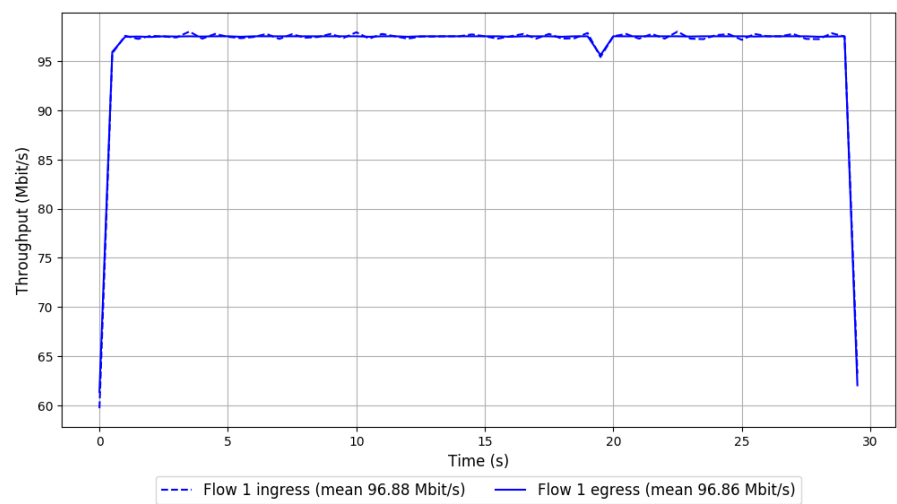
-- Flow 1:

Average throughput: 96.86 Mbit/s

95th percentile per-packet one-way delay: -5.103 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

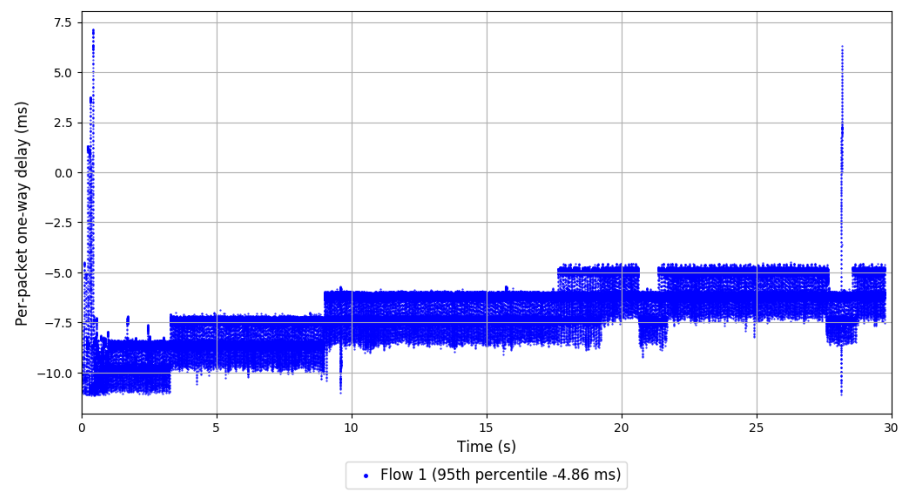
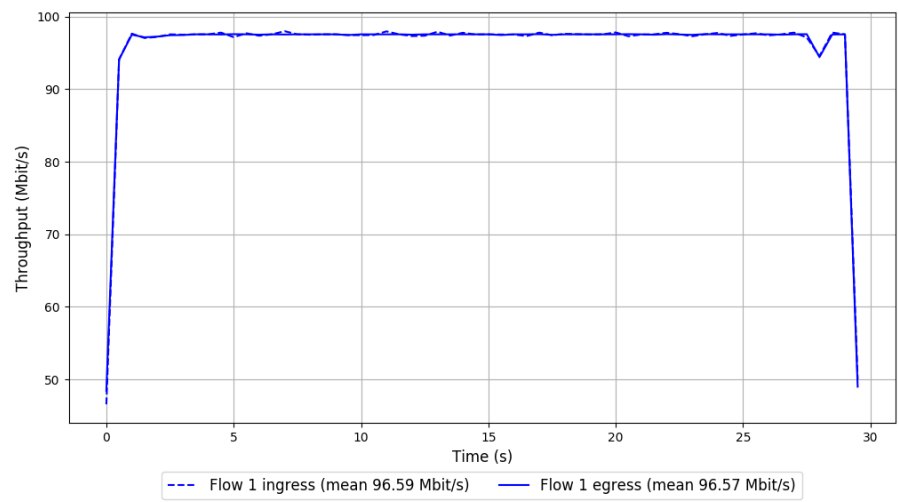


Run 6: Statistics of Indigo

Start at: 2017-11-30 13:20:13
End at: 2017-11-30 13:20:43
Local clock offset: -6.426 ms
Remote clock offset: -23.447 ms

Below is generated by plot.py at 2017-11-30 15:15:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.57 Mbit/s
95th percentile per-packet one-way delay: -4.859 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.57 Mbit/s
95th percentile per-packet one-way delay: -4.859 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

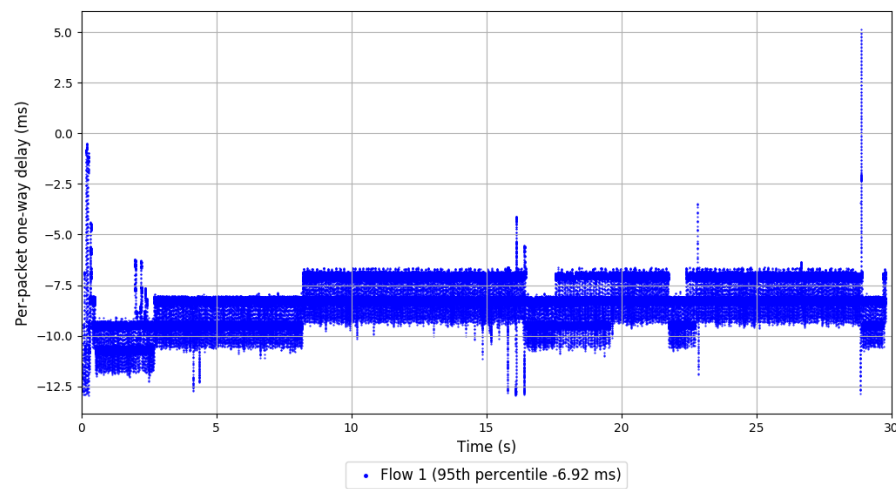
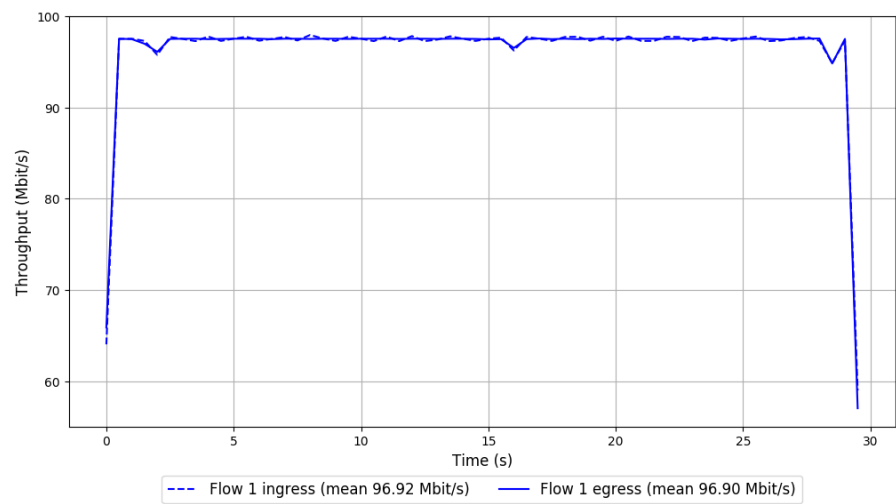


Run 7: Statistics of Indigo

Start at: 2017-11-30 13:36:46
End at: 2017-11-30 13:37:16
Local clock offset: -5.267 ms
Remote clock offset: -23.421 ms

Below is generated by plot.py at 2017-11-30 15:15:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.90 Mbit/s
95th percentile per-packet one-way delay: -6.915 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.90 Mbit/s
95th percentile per-packet one-way delay: -6.915 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

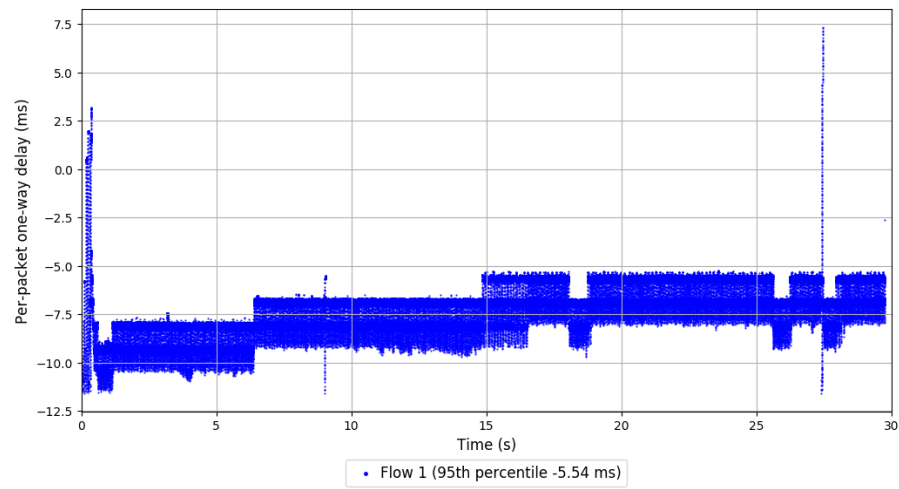
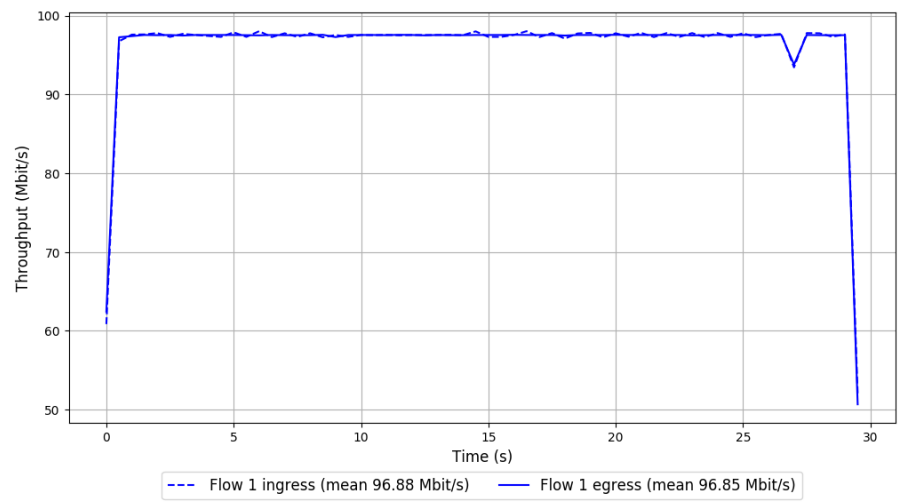


Run 8: Statistics of Indigo

Start at: 2017-11-30 13:53:18
End at: 2017-11-30 13:53:48
Local clock offset: -5.727 ms
Remote clock offset: -21.921 ms

Below is generated by plot.py at 2017-11-30 15:15:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.85 Mbit/s
95th percentile per-packet one-way delay: -5.543 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.85 Mbit/s
95th percentile per-packet one-way delay: -5.543 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

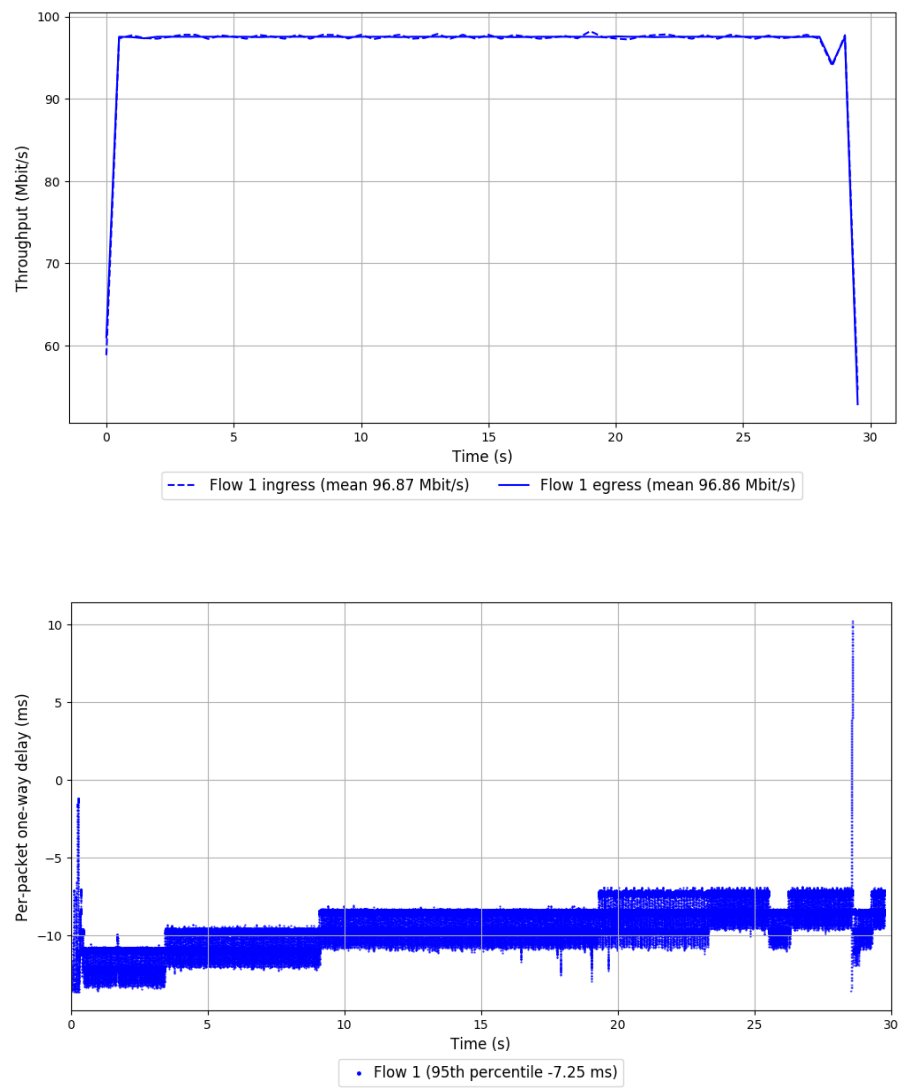


Run 9: Statistics of Indigo

Start at: 2017-11-30 14:09:48
End at: 2017-11-30 14:10:18
Local clock offset: -5.342 ms
Remote clock offset: -23.081 ms

Below is generated by plot.py at 2017-11-30 15:16:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: -7.248 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: -7.248 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link

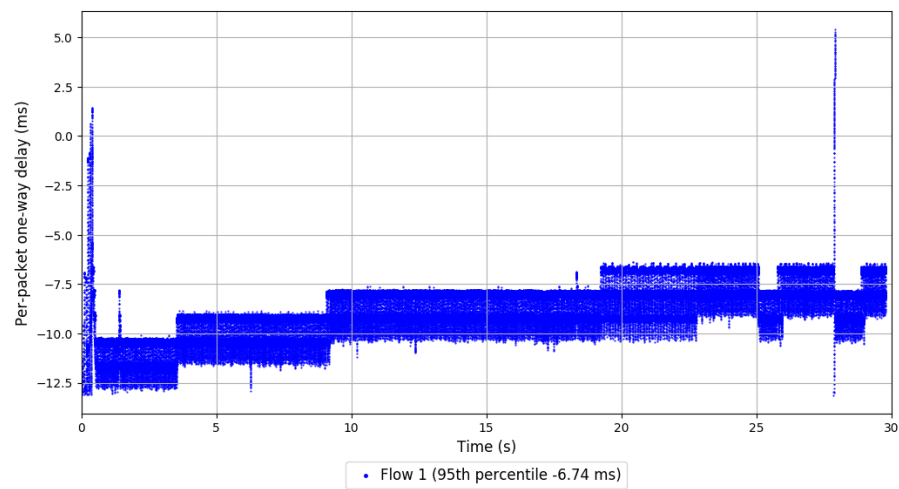
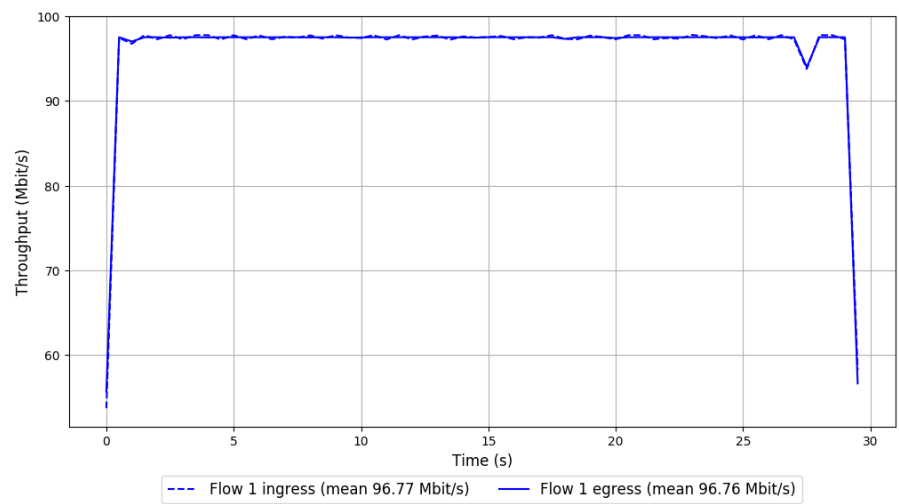


Run 10: Statistics of Indigo

Start at: 2017-11-30 14:26:17
End at: 2017-11-30 14:26:47
Local clock offset: -5.622 ms
Remote clock offset: -22.28 ms

Below is generated by plot.py at 2017-11-30 15:16:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.76 Mbit/s
95th percentile per-packet one-way delay: -6.743 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.76 Mbit/s
95th percentile per-packet one-way delay: -6.743 ms
Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

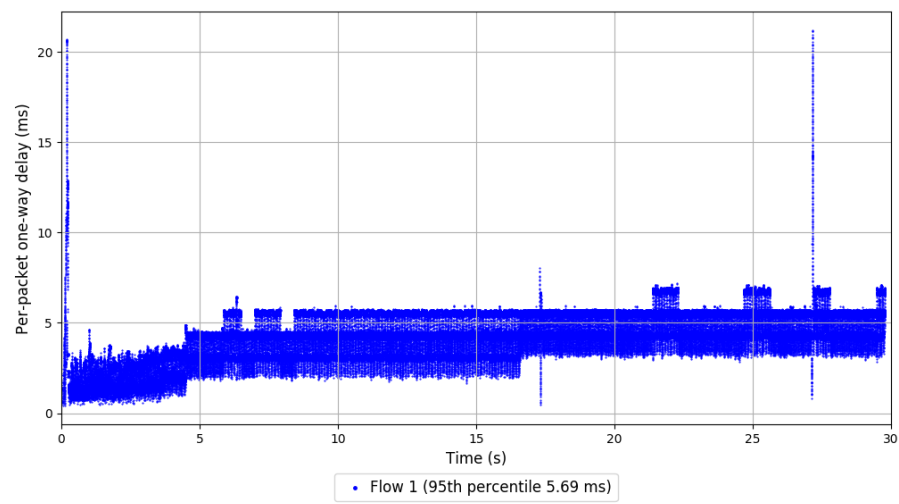
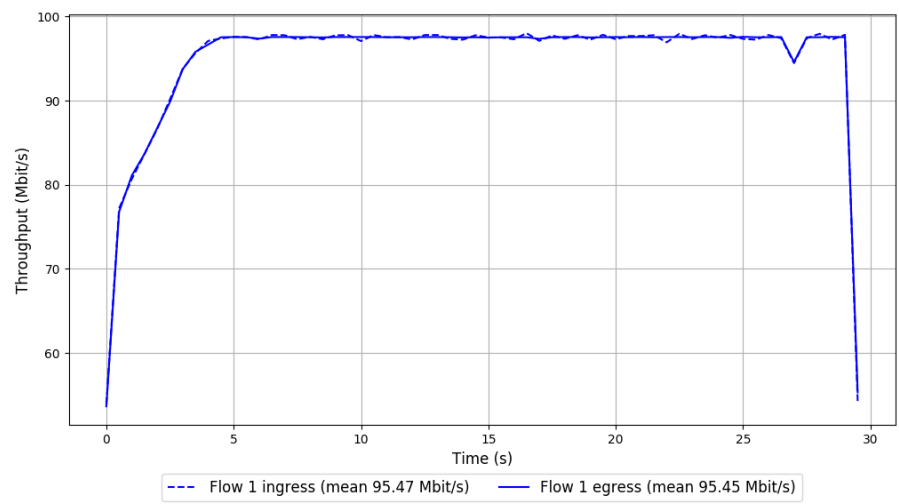


```
Run 1: Statistics of Indigo-calib

Start at: 2017-11-30 11:54:10
End at: 2017-11-30 11:54:40
Local clock offset: -9.929 ms
Remote clock offset: -20.802 ms

# Below is generated by plot.py at 2017-11-30 15:16:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.45 Mbit/s
95th percentile per-packet one-way delay: 5.686 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.45 Mbit/s
95th percentile per-packet one-way delay: 5.686 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-calib — Data Link

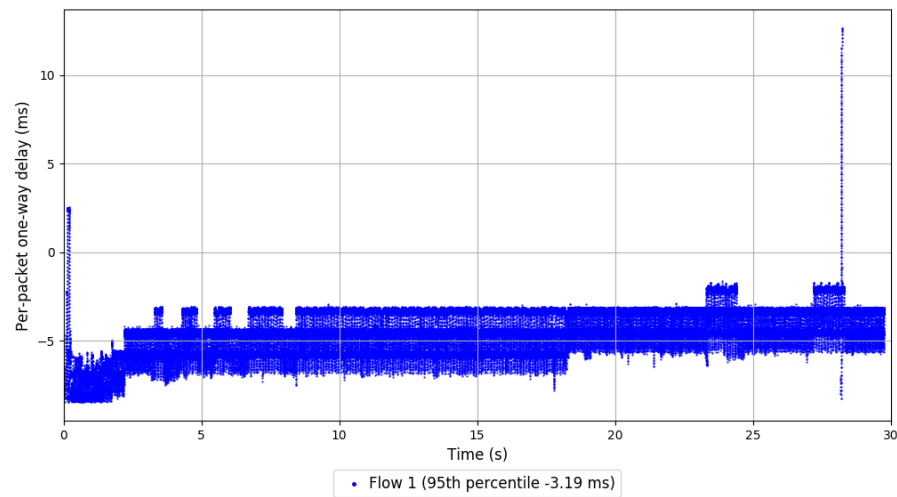
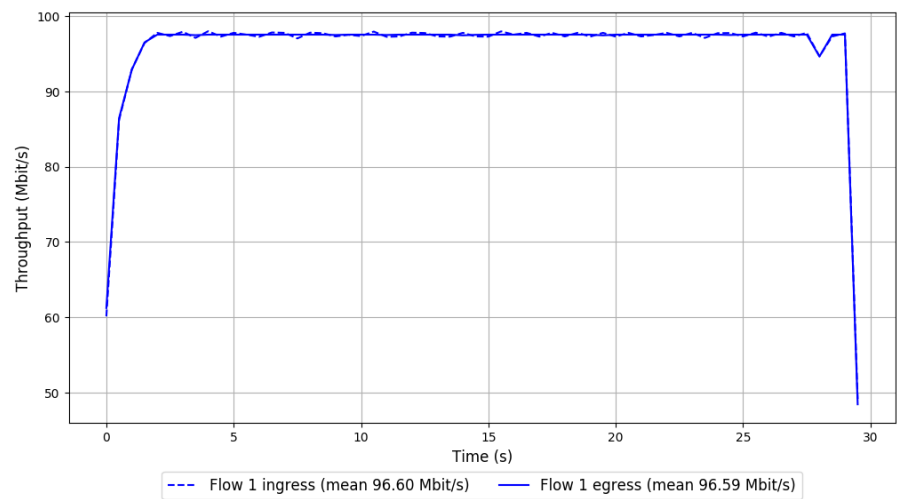


```
Run 2: Statistics of Indigo-calib

Start at: 2017-11-30 12:10:38
End at: 2017-11-30 12:11:08
Local clock offset: -0.403 ms
Remote clock offset: -19.339 ms

# Below is generated by plot.py at 2017-11-30 15:16:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.59 Mbit/s
95th percentile per-packet one-way delay: -3.185 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.59 Mbit/s
95th percentile per-packet one-way delay: -3.185 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-calib — Data Link

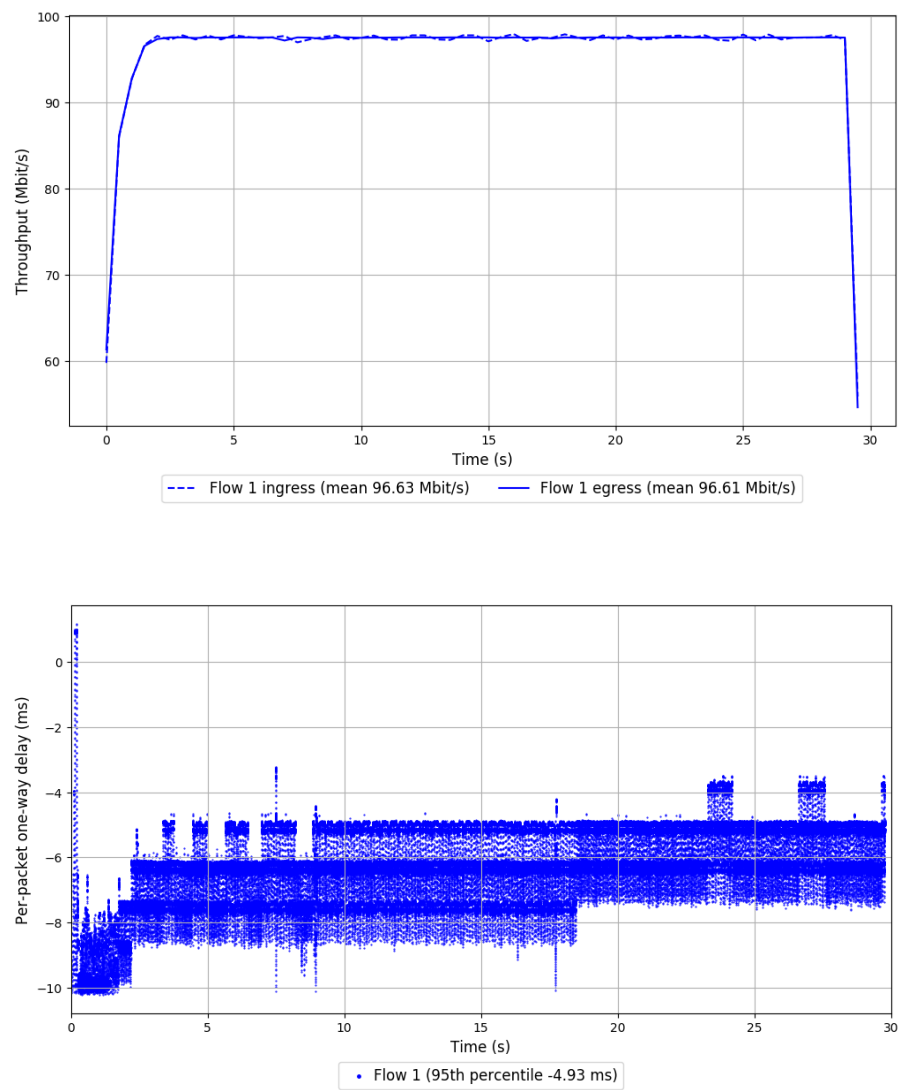


```
Run 3: Statistics of Indigo-calib

Start at: 2017-11-30 12:27:14
End at: 2017-11-30 12:27:44
Local clock offset: -4.239 ms
Remote clock offset: -24.231 ms

# Below is generated by plot.py at 2017-11-30 15:16:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: -4.929 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: -4.929 ms
Loss rate: 0.00%
```


Run 3: Report of Indigo-calib — Data Link

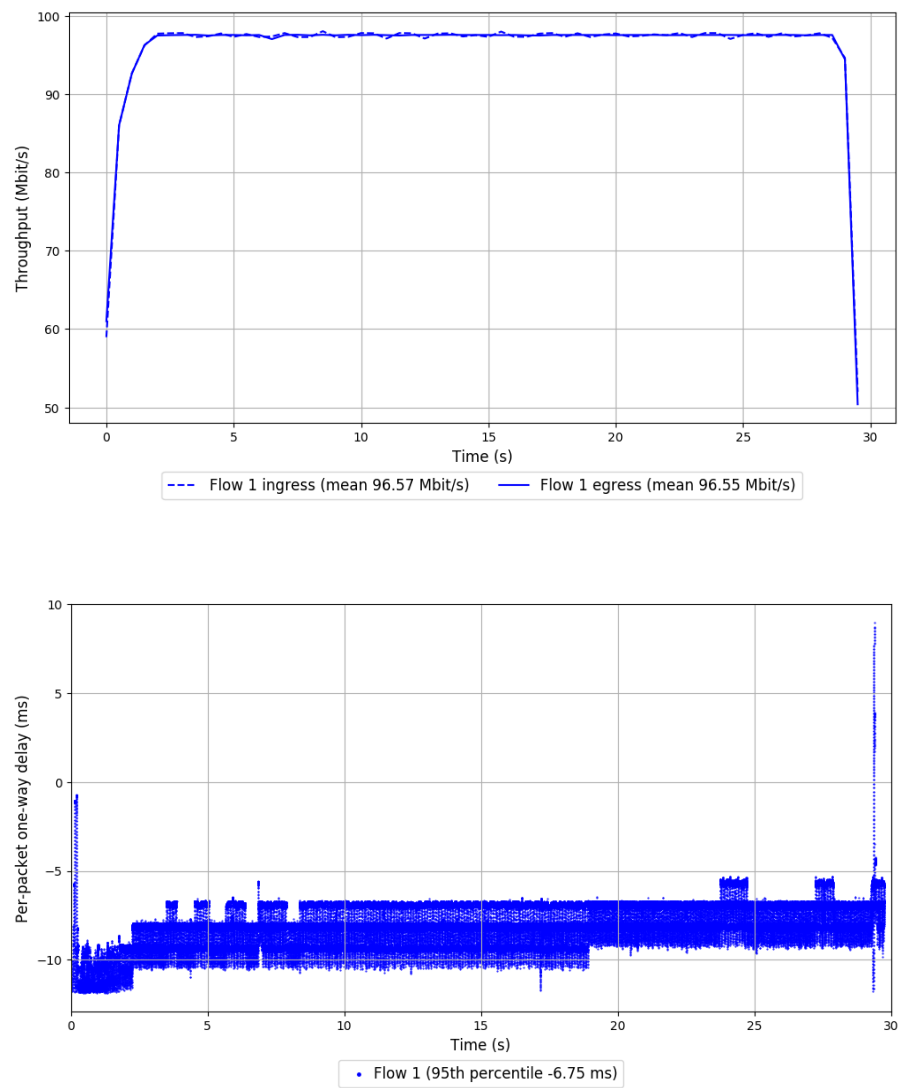


Run 4: Statistics of Indigo-calib

Start at: 2017-11-30 12:44:15
End at: 2017-11-30 12:44:45
Local clock offset: -3.326 ms
Remote clock offset: -23.205 ms

Below is generated by plot.py at 2017-11-30 15:16:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.55 Mbit/s
95th percentile per-packet one-way delay: -6.752 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.55 Mbit/s
95th percentile per-packet one-way delay: -6.752 ms
Loss rate: 0.00%

Run 4: Report of Indigo-calib — Data Link

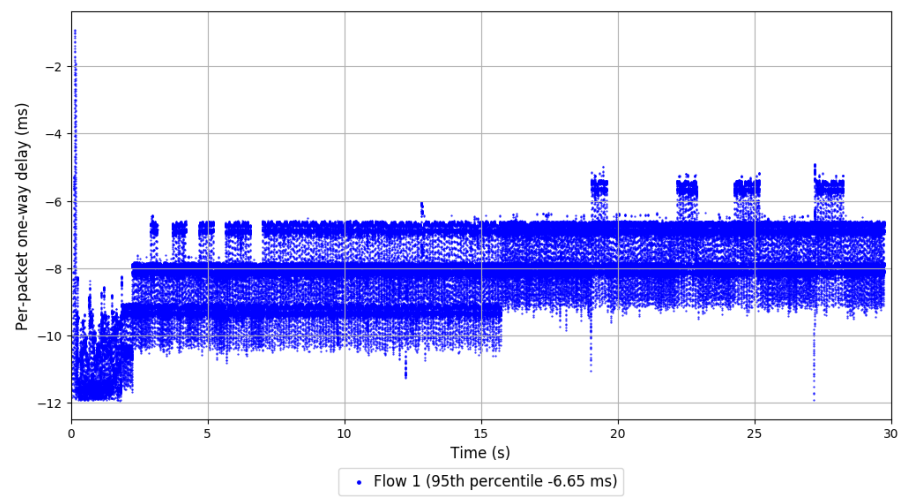
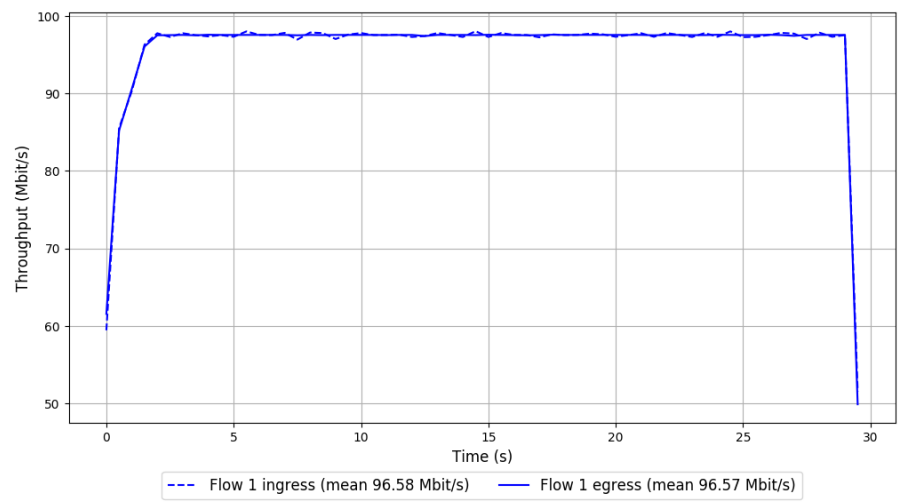


Run 5: Statistics of Indigo-calib

Start at: 2017-11-30 13:01:08
End at: 2017-11-30 13:01:38
Local clock offset: -4.278 ms
Remote clock offset: -22.972 ms

Below is generated by plot.py at 2017-11-30 15:16:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.57 Mbit/s
95th percentile per-packet one-way delay: -6.646 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.57 Mbit/s
95th percentile per-packet one-way delay: -6.646 ms
Loss rate: 0.00%

Run 5: Report of Indigo-calib — Data Link

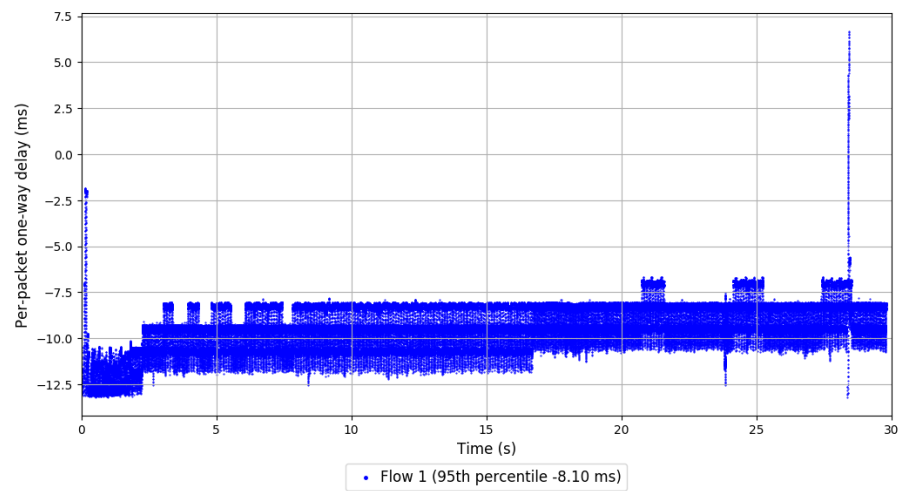
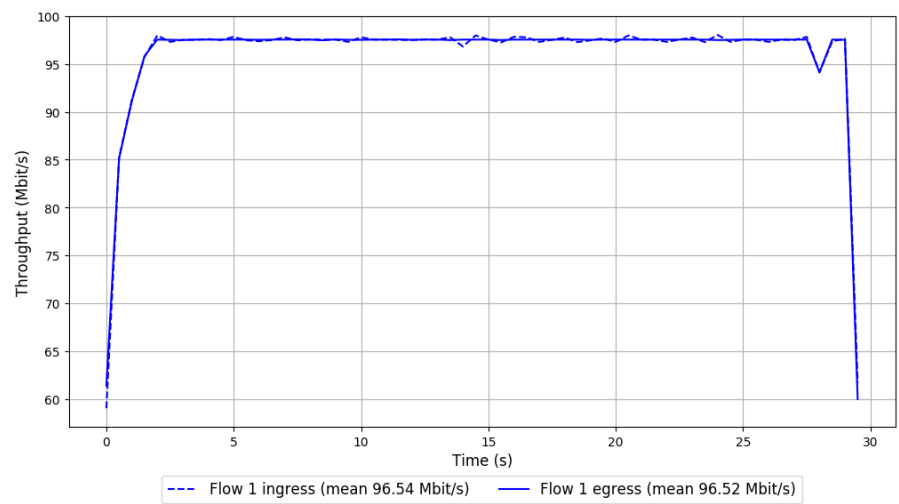


Run 6: Statistics of Indigo-calib

Start at: 2017-11-30 13:17:50
End at: 2017-11-30 13:18:20
Local clock offset: -4.926 ms
Remote clock offset: -24.134 ms

Below is generated by plot.py at 2017-11-30 15:17:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.52 Mbit/s
95th percentile per-packet one-way delay: -8.102 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.52 Mbit/s
95th percentile per-packet one-way delay: -8.102 ms
Loss rate: 0.00%

Run 6: Report of Indigo-calib — Data Link

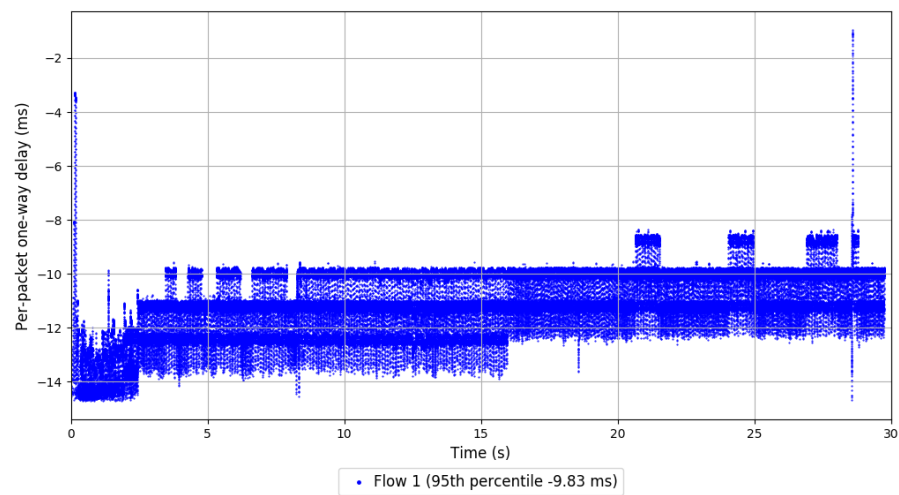
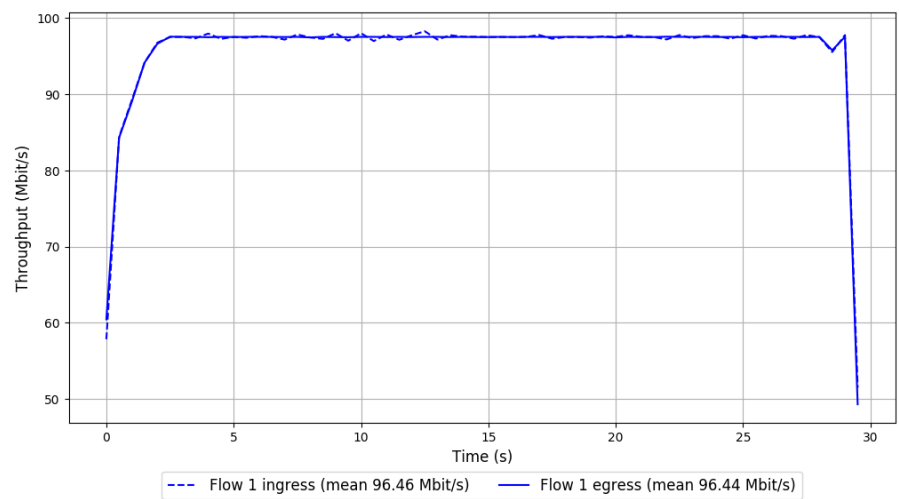


Run 7: Statistics of Indigo-calib

Start at: 2017-11-30 13:34:28
End at: 2017-11-30 13:34:58
Local clock offset: -4.266 ms
Remote clock offset: -24.219 ms

Below is generated by plot.py at 2017-11-30 15:17:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.44 Mbit/s
95th percentile per-packet one-way delay: -9.834 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.44 Mbit/s
95th percentile per-packet one-way delay: -9.834 ms
Loss rate: 0.01%

Run 7: Report of Indigo-calib — Data Link

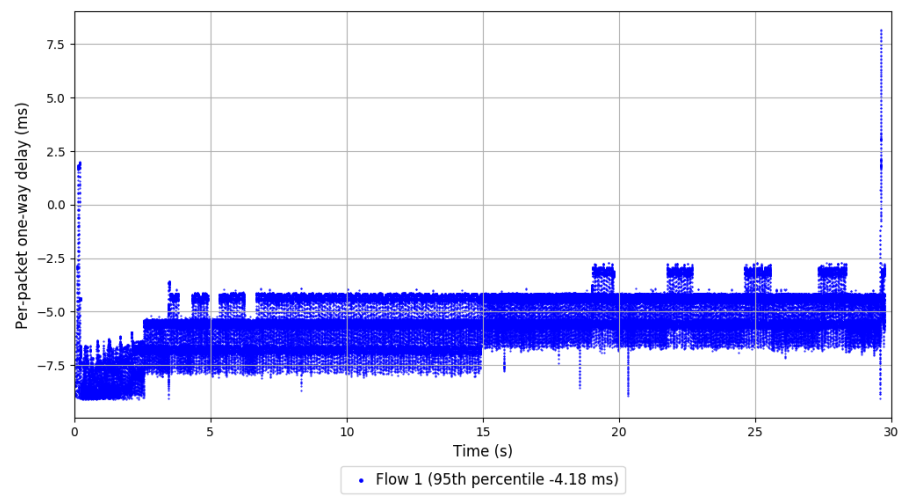
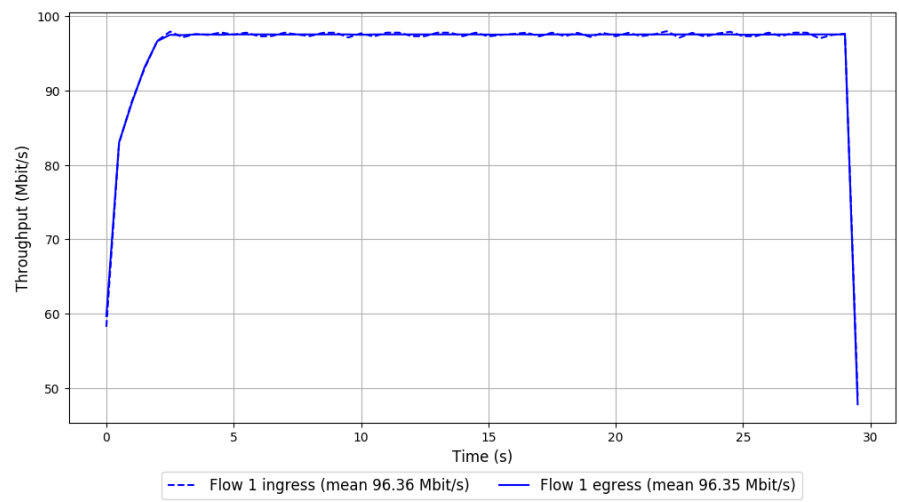


Run 8: Statistics of Indigo-calib

Start at: 2017-11-30 13:50:51
End at: 2017-11-30 13:51:21
Local clock offset: -7.373 ms
Remote clock offset: -21.245 ms

Below is generated by plot.py at 2017-11-30 15:17:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.35 Mbit/s
95th percentile per-packet one-way delay: -4.180 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.35 Mbit/s
95th percentile per-packet one-way delay: -4.180 ms
Loss rate: 0.00%

Run 8: Report of Indigo-calib — Data Link

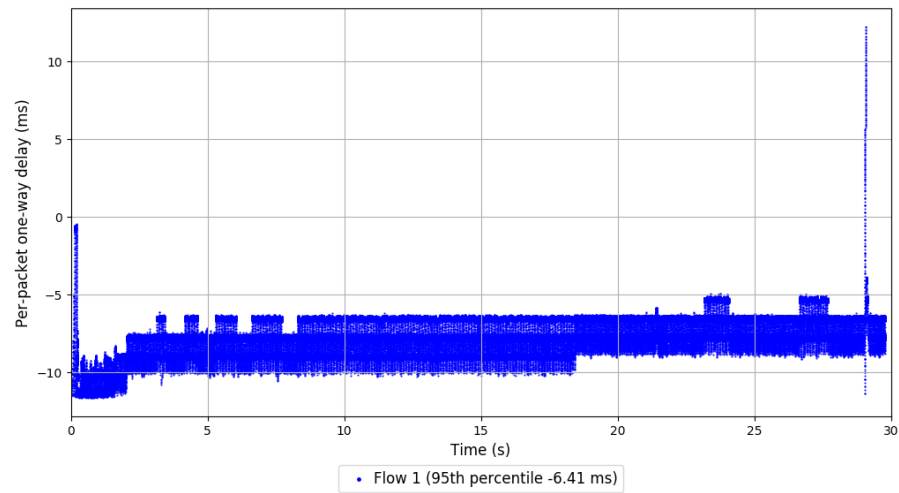
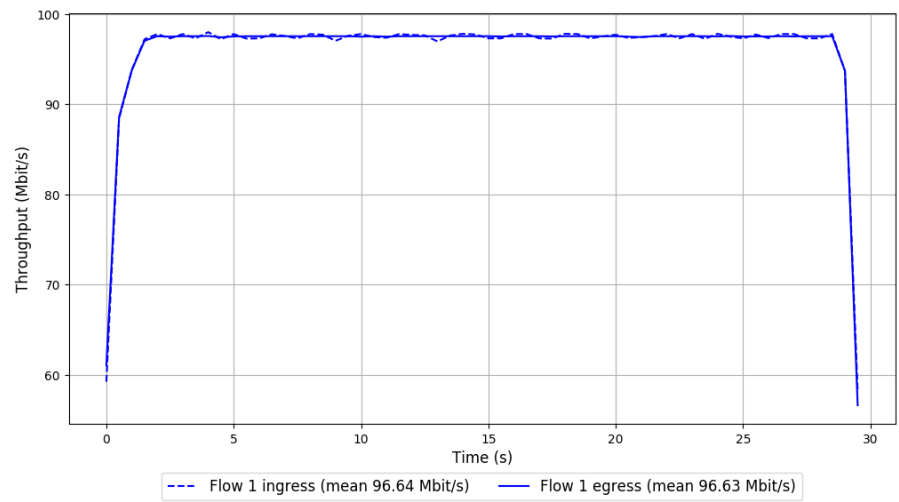


Run 9: Statistics of Indigo-calib

Start at: 2017-11-30 14:07:29
End at: 2017-11-30 14:07:59
Local clock offset: -5.094 ms
Remote clock offset: -20.906 ms

Below is generated by plot.py at 2017-11-30 15:17:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.63 Mbit/s
95th percentile per-packet one-way delay: -6.413 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.63 Mbit/s
95th percentile per-packet one-way delay: -6.413 ms
Loss rate: 0.00%

Run 9: Report of Indigo-calib — Data Link



Run 10: Statistics of Indigo-calib

Start at: 2017-11-30 14:23:57

End at: 2017-11-30 14:24:27

Local clock offset: -7.192 ms

Remote clock offset: -20.965 ms

Below is generated by plot.py at 2017-11-30 15:17:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.61 Mbit/s

95th percentile per-packet one-way delay: -4.759 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 96.61 Mbit/s

95th percentile per-packet one-way delay: -4.759 ms

Loss rate: 0.00%

Run 10: Report of Indigo-calib — Data Link

