

Pantheon Report

Generated at 2017-12-05 15:51:25 (UTC).

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

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).

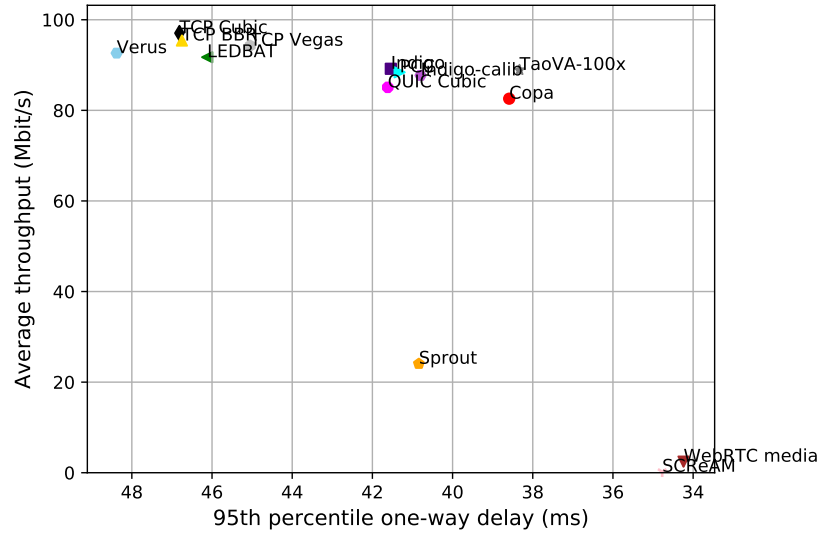
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

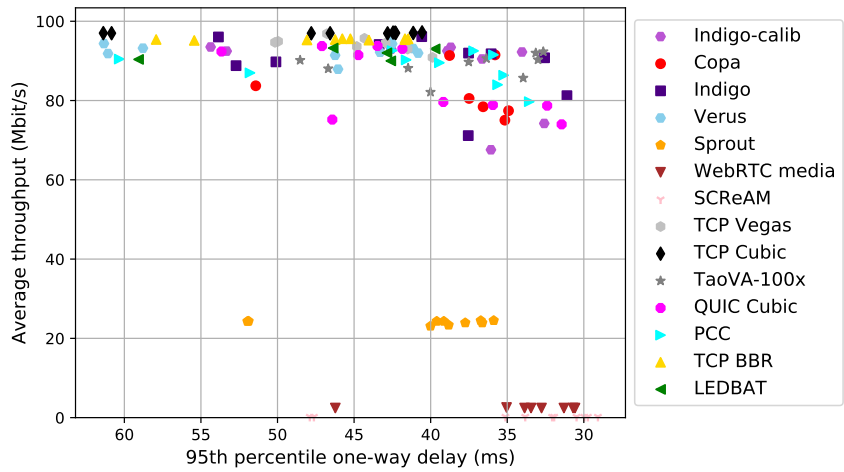
Git summary:

```
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 @ 03455460fd1a8ffbdad86fabb936fdca204b80db
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 India Ethernet to AWS India 1 Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



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



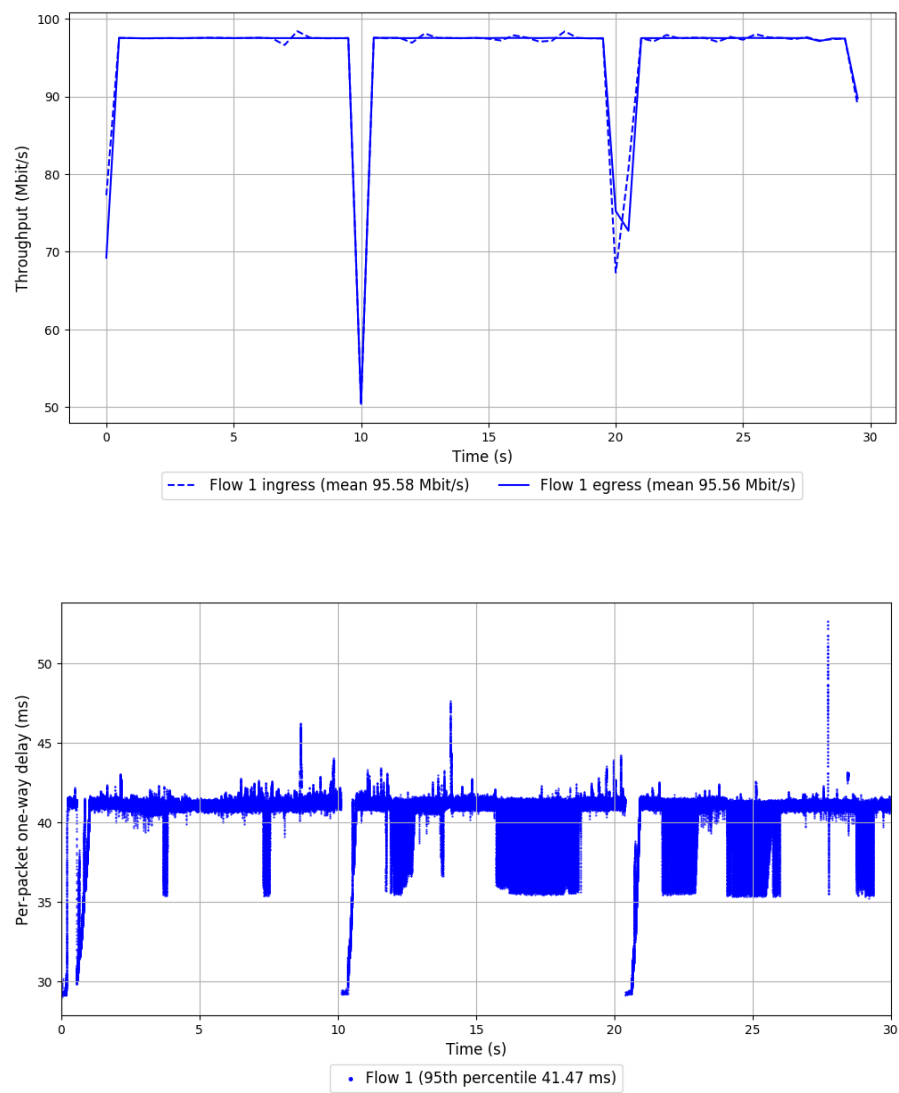
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	95.42	46.75	0.15
TCP Cubic	10	97.04	46.81	0.14
LEDBAT	5	91.73	46.12	0.13
PCC	10	88.40	41.32	0.11
QUIC Cubic	10	85.08	41.62	0.15
SCReAM	10	0.22	34.77	0.10
WebRTC media	8	2.44	34.24	0.11
Sprout	10	24.06	40.84	0.09
TaoVA-100x	10	88.92	38.33	0.12
TCP Vegas	8	94.27	45.05	0.11
Verus	10	92.63	48.38	0.15
Copa	7	82.57	38.59	0.12
Indigo	10	89.18	41.54	0.23
Indigo-calib	9	87.71	40.80	0.13

Run 1: Statistics of TCP BBR

Start at: 2017-12-05 09:51:15
End at: 2017-12-05 09:51:45
Local clock offset: 5.669 ms
Remote clock offset: -11.054 ms

Below is generated by plot.py at 2017-12-05 15:33:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.56 Mbit/s
95th percentile per-packet one-way delay: 41.473 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 95.56 Mbit/s
95th percentile per-packet one-way delay: 41.473 ms
Loss rate: 0.12%

Run 1: Report of TCP BBR — Data Link

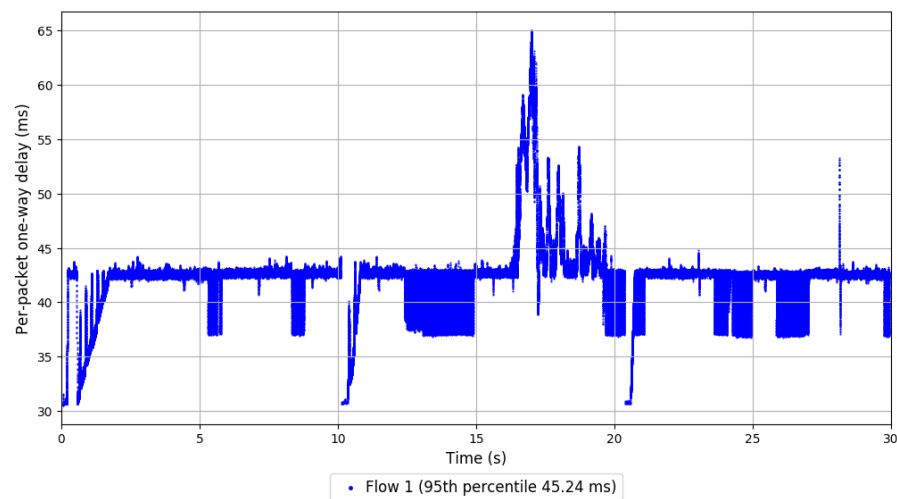
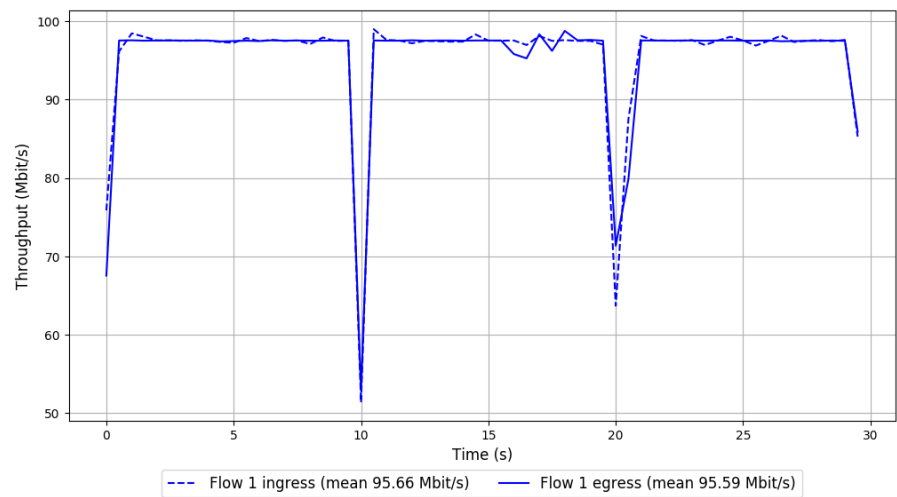


Run 2: Statistics of TCP BBR

Start at: 2017-12-05 10:08:40
End at: 2017-12-05 10:09:10
Local clock offset: 7.314 ms
Remote clock offset: -10.976 ms

Below is generated by plot.py at 2017-12-05 15:33:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.59 Mbit/s
95th percentile per-packet one-way delay: 45.242 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 95.59 Mbit/s
95th percentile per-packet one-way delay: 45.242 ms
Loss rate: 0.19%

Run 2: Report of TCP BBR — Data Link

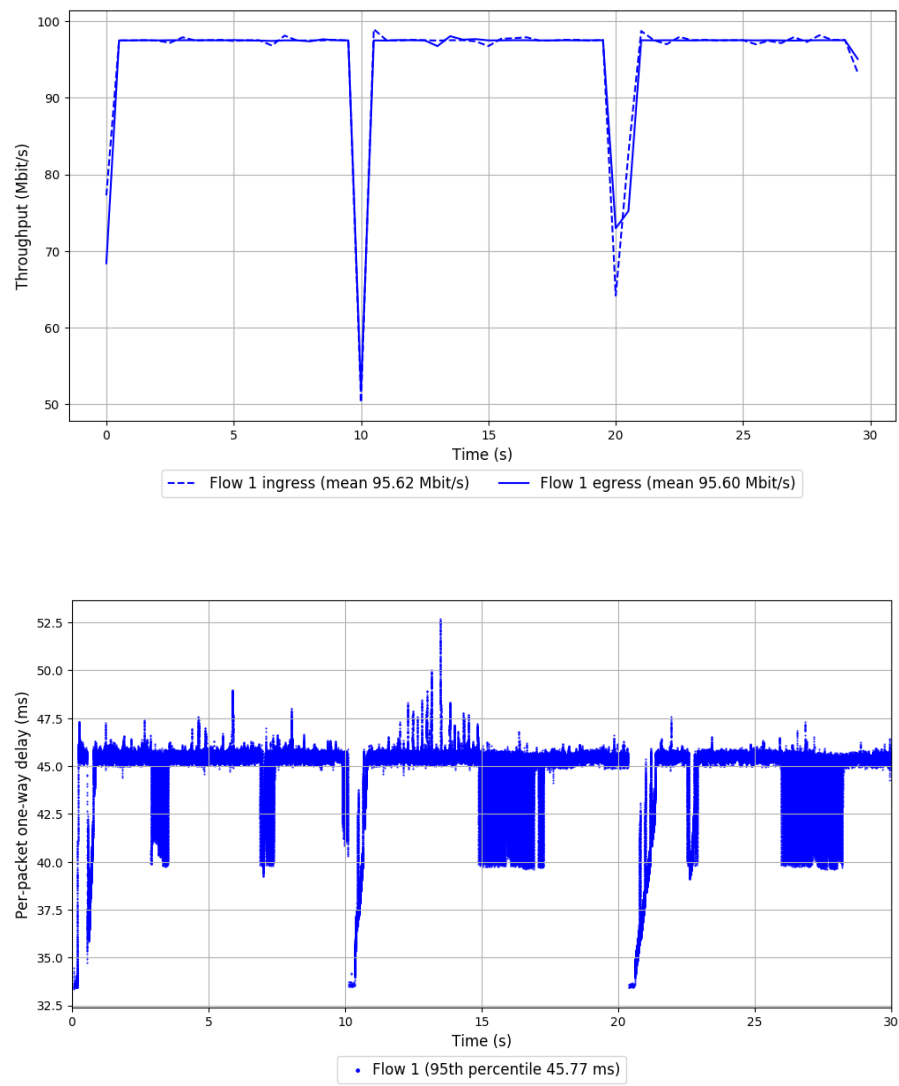


Run 3: Statistics of TCP BBR

Start at: 2017-12-05 10:26:12
End at: 2017-12-05 10:26:42
Local clock offset: 8.88 ms
Remote clock offset: -12.761 ms

Below is generated by plot.py at 2017-12-05 15:33:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: 45.768 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: 45.768 ms
Loss rate: 0.12%

Run 3: Report of TCP BBR — Data Link

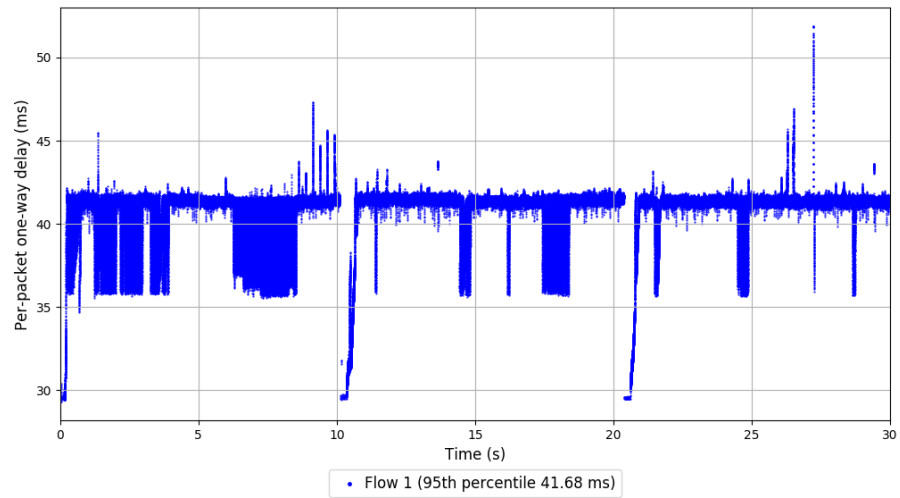
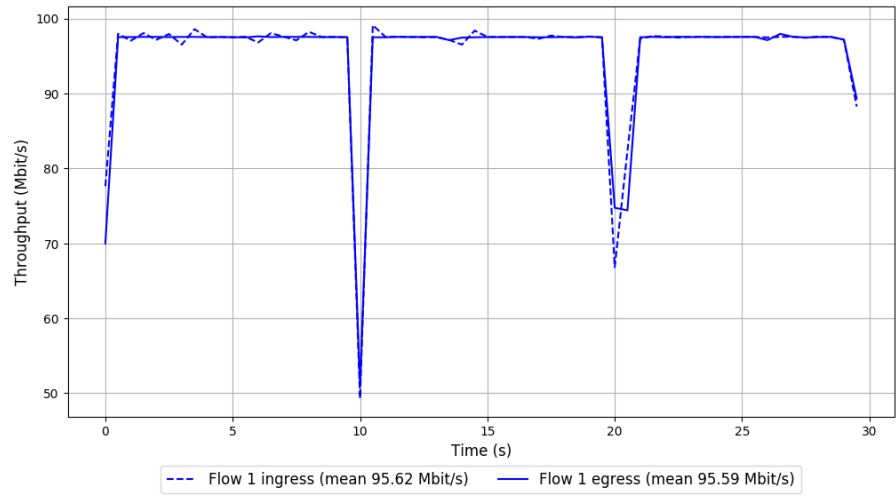


Run 4: Statistics of TCP BBR

Start at: 2017-12-05 10:43:35
End at: 2017-12-05 10:44:05
Local clock offset: 8.689 ms
Remote clock offset: -10.676 ms

Below is generated by plot.py at 2017-12-05 15:33:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.59 Mbit/s
95th percentile per-packet one-way delay: 41.677 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 95.59 Mbit/s
95th percentile per-packet one-way delay: 41.677 ms
Loss rate: 0.12%

Run 4: Report of TCP BBR — Data Link

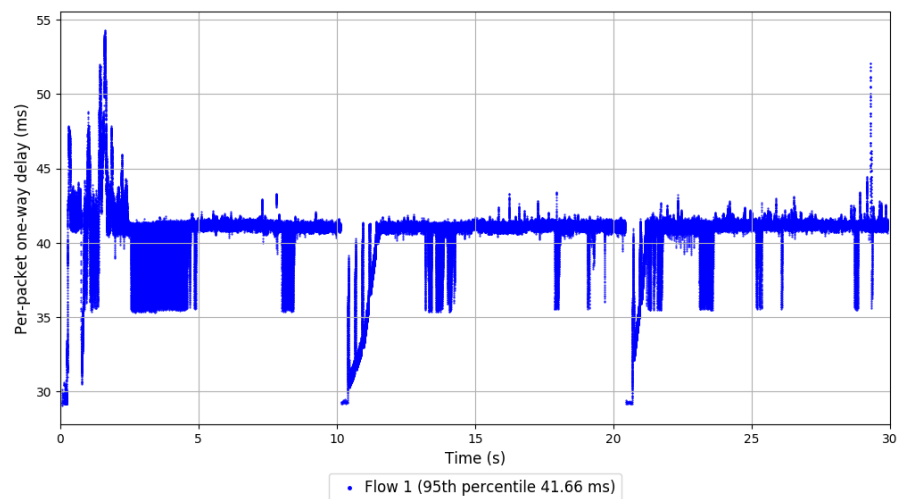
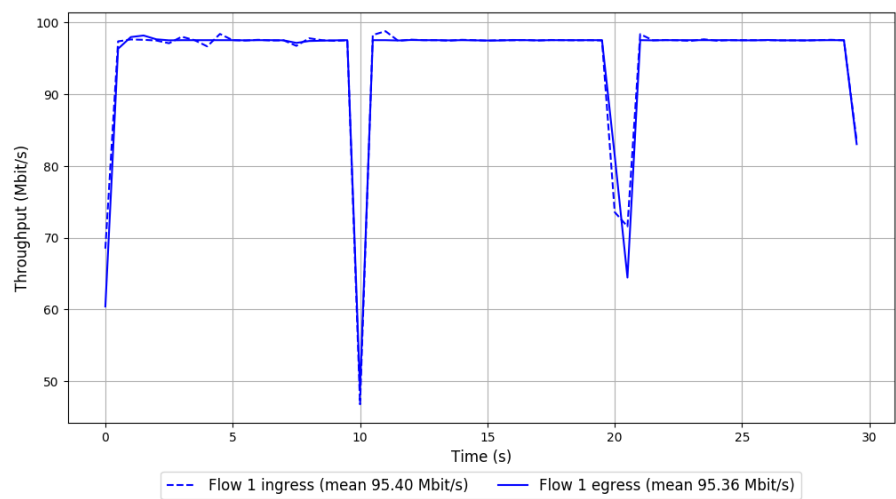


Run 5: Statistics of TCP BBR

Start at: 2017-12-05 11:00:52
End at: 2017-12-05 11:01:22
Local clock offset: 6.863 ms
Remote clock offset: -10.453 ms

Below is generated by plot.py at 2017-12-05 15:33:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.36 Mbit/s
95th percentile per-packet one-way delay: 41.655 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 95.36 Mbit/s
95th percentile per-packet one-way delay: 41.655 ms
Loss rate: 0.15%

Run 5: Report of TCP BBR — Data Link

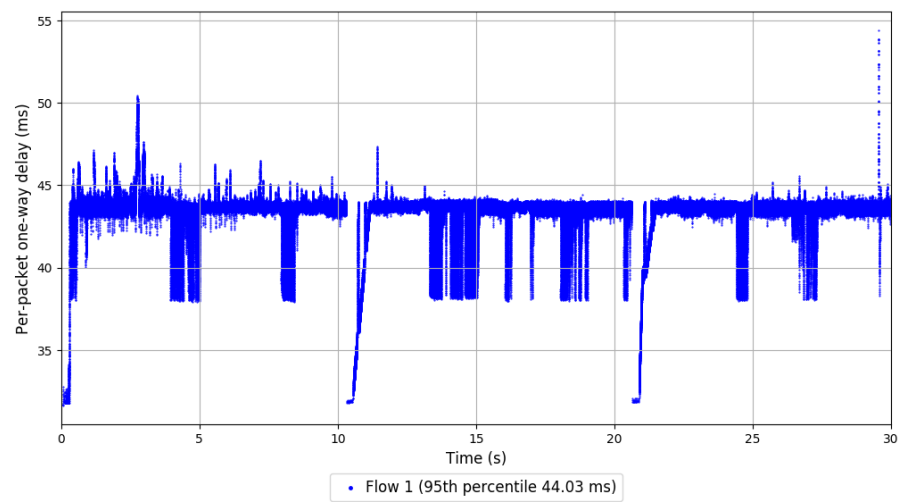
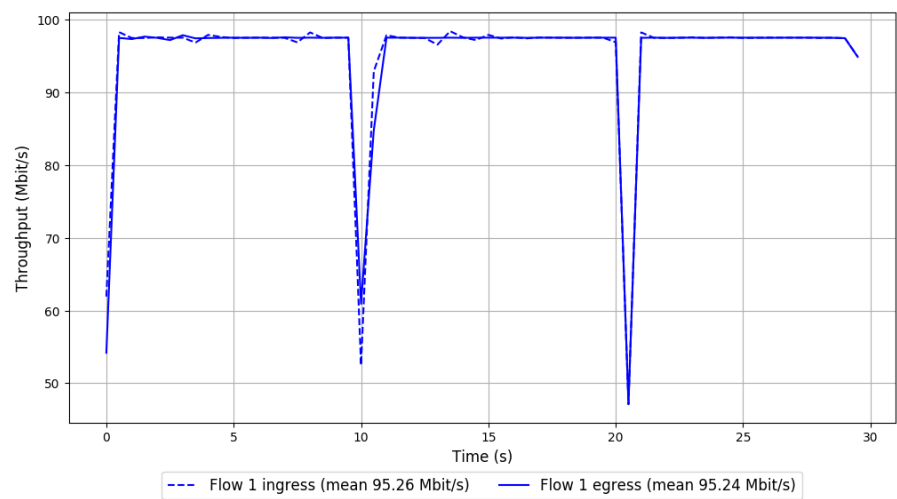


Run 6: Statistics of TCP BBR

Start at: 2017-12-05 11:17:51
End at: 2017-12-05 11:18:21
Local clock offset: 7.296 ms
Remote clock offset: -11.94 ms

Below is generated by plot.py at 2017-12-05 15:33:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.24 Mbit/s
95th percentile per-packet one-way delay: 44.030 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 95.24 Mbit/s
95th percentile per-packet one-way delay: 44.030 ms
Loss rate: 0.15%

Run 6: Report of TCP BBR — Data Link

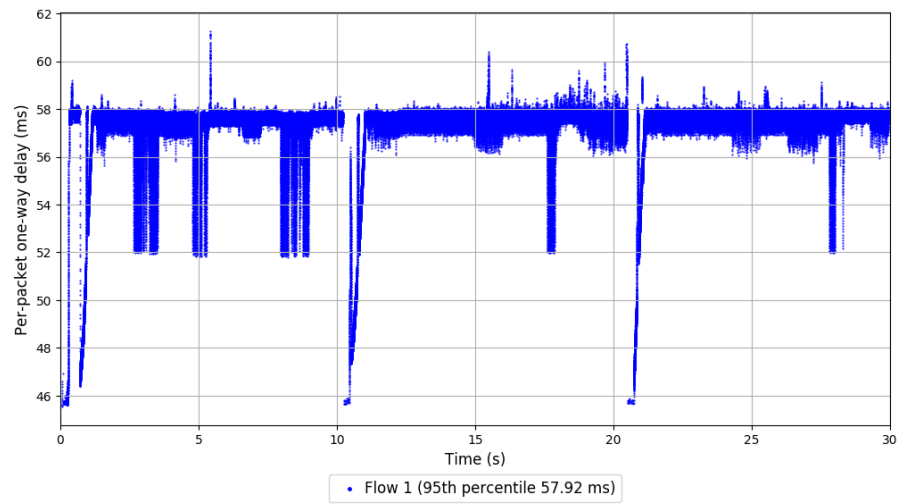
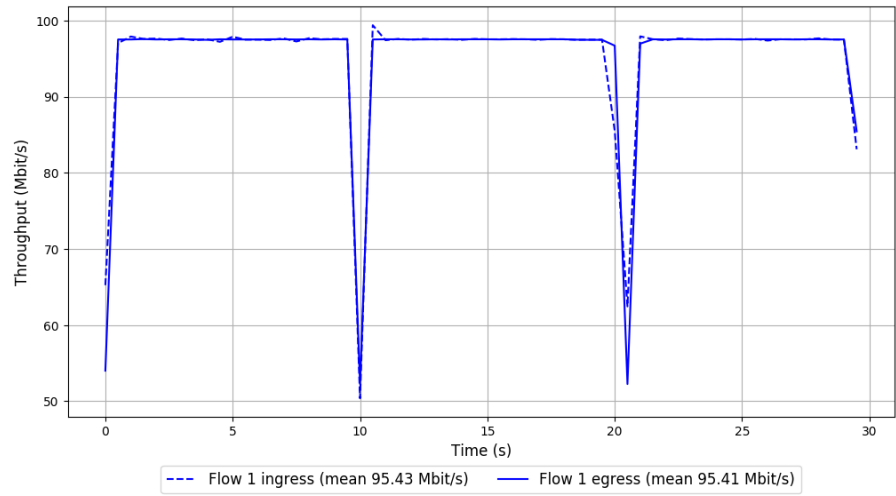


Run 7: Statistics of TCP BBR

Start at: 2017-12-05 11:34:59
End at: 2017-12-05 11:35:29
Local clock offset: 5.066 ms
Remote clock offset: -28.487 ms

Below is generated by plot.py at 2017-12-05 15:33:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.41 Mbit/s
95th percentile per-packet one-way delay: 57.924 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 95.41 Mbit/s
95th percentile per-packet one-way delay: 57.924 ms
Loss rate: 0.16%

Run 7: Report of TCP BBR — Data Link

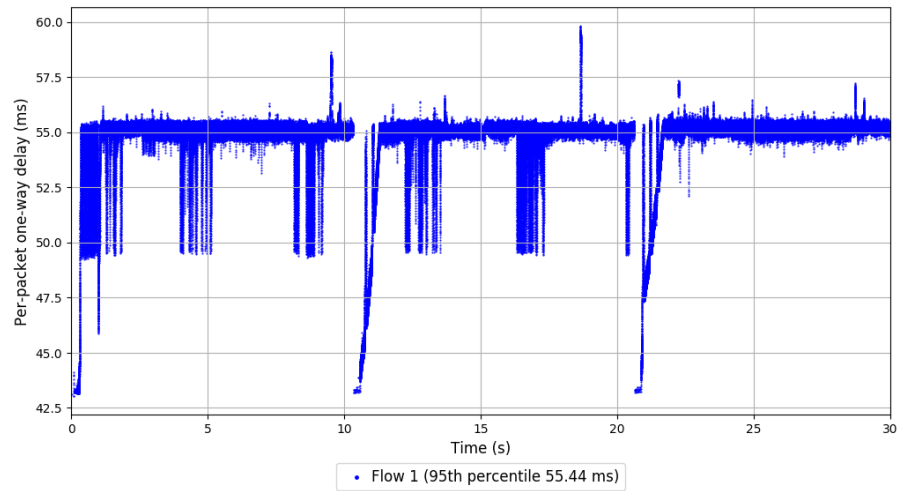
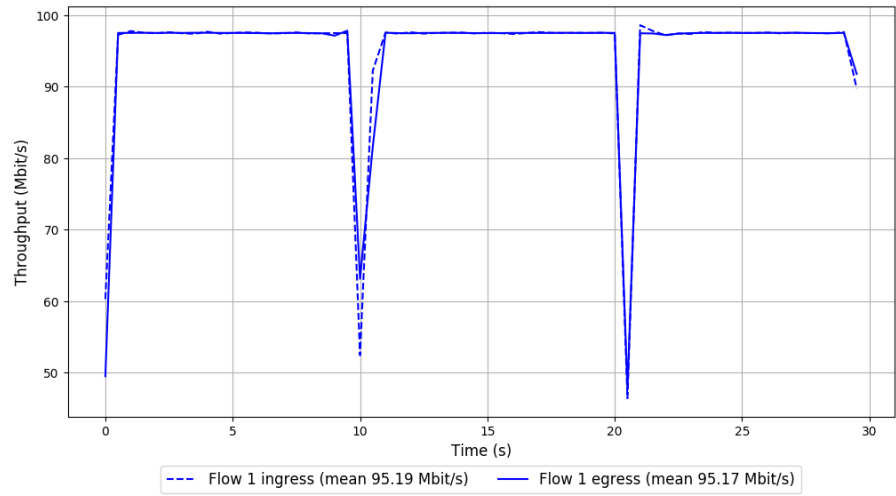


Run 8: Statistics of TCP BBR

Start at: 2017-12-05 11:52:38
End at: 2017-12-05 11:53:08
Local clock offset: 5.098 ms
Remote clock offset: -24.668 ms

Below is generated by plot.py at 2017-12-05 15:33:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.17 Mbit/s
95th percentile per-packet one-way delay: 55.436 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 95.17 Mbit/s
95th percentile per-packet one-way delay: 55.436 ms
Loss rate: 0.15%

Run 8: Report of TCP BBR — Data Link

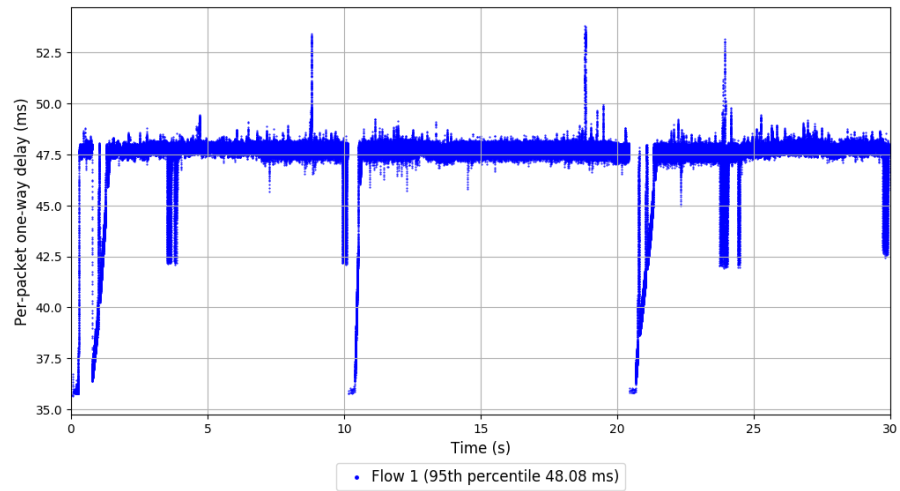
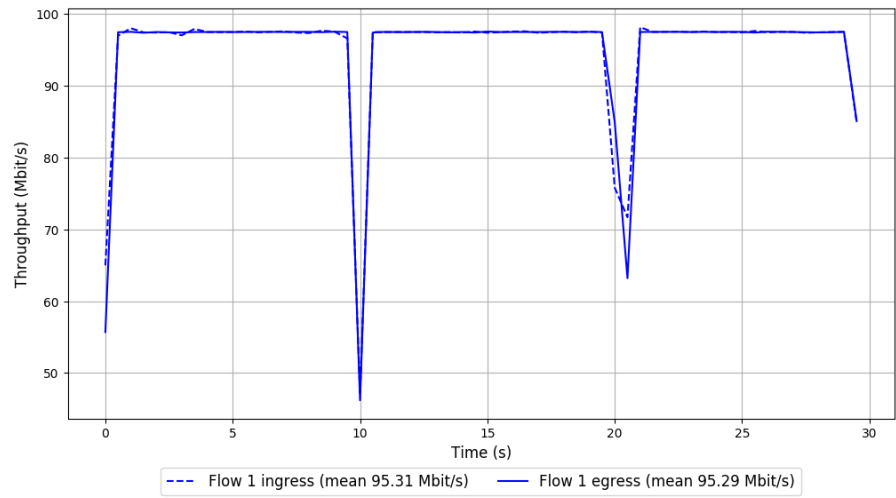


Run 9: Statistics of TCP BBR

Start at: 2017-12-05 12:09:44
End at: 2017-12-05 12:10:14
Local clock offset: 4.165 ms
Remote clock offset: -14.759 ms

Below is generated by plot.py at 2017-12-05 15:34:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.29 Mbit/s
95th percentile per-packet one-way delay: 48.076 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 95.29 Mbit/s
95th percentile per-packet one-way delay: 48.076 ms
Loss rate: 0.16%

Run 9: Report of TCP BBR — Data Link

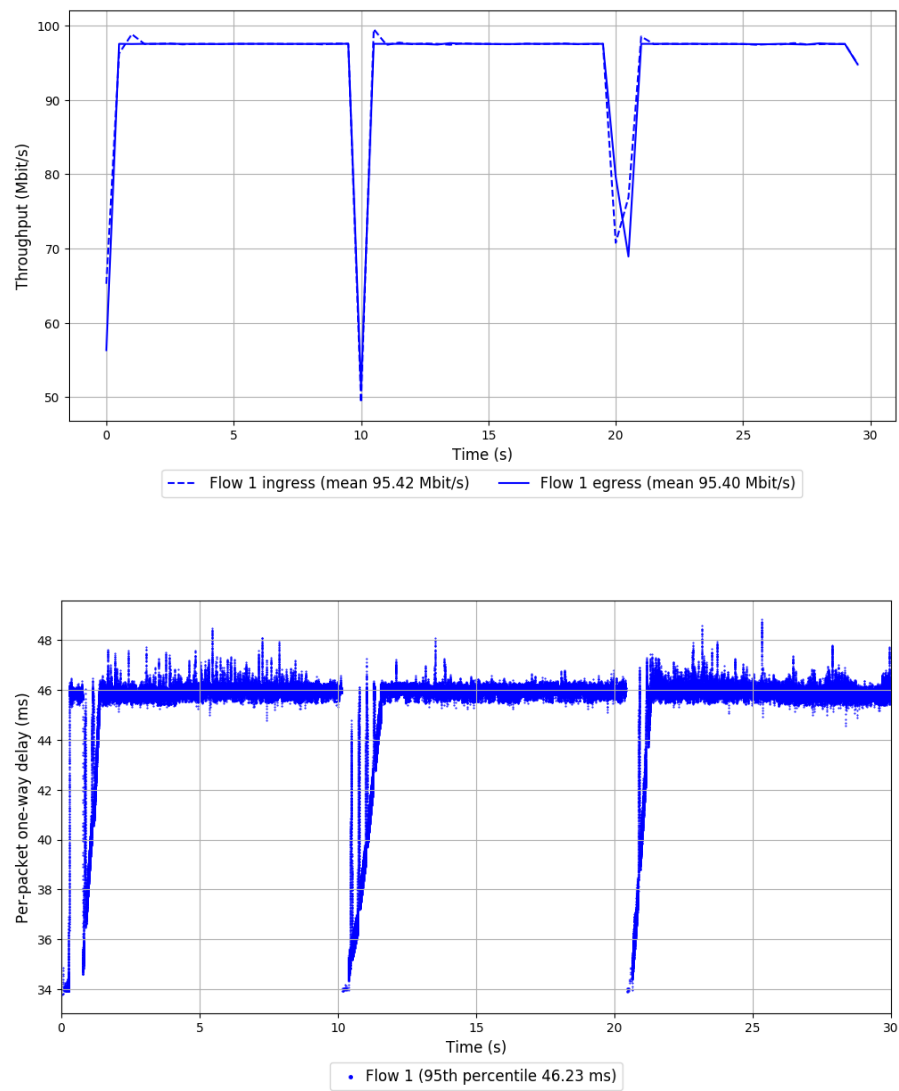


Run 10: Statistics of TCP BBR

Start at: 2017-12-05 12:26:59
End at: 2017-12-05 12:27:29
Local clock offset: 2.77 ms
Remote clock offset: -13.369 ms

Below is generated by plot.py at 2017-12-05 15:34:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.40 Mbit/s
95th percentile per-packet one-way delay: 46.233 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 95.40 Mbit/s
95th percentile per-packet one-way delay: 46.233 ms
Loss rate: 0.16%

Run 10: Report of TCP BBR — Data Link

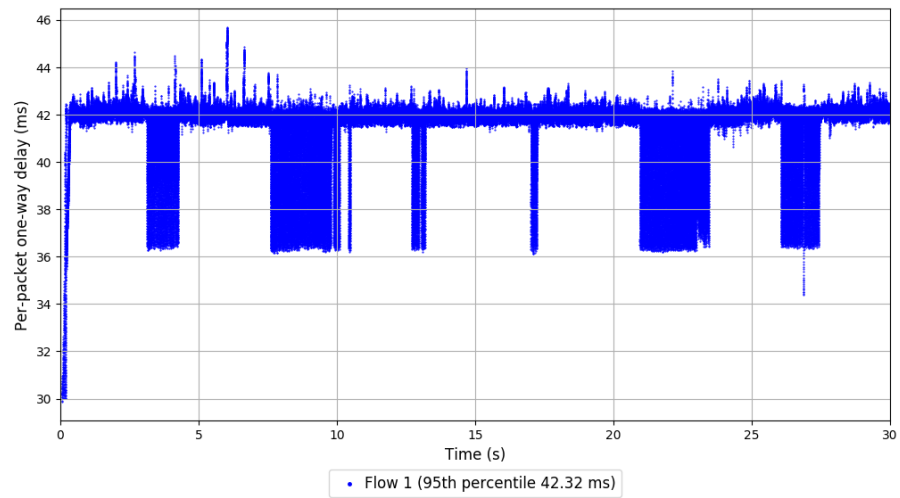
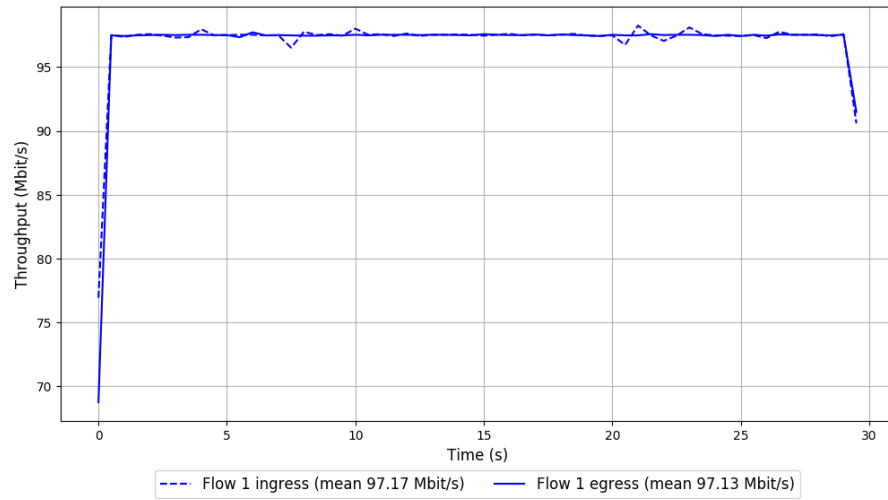


Run 1: Statistics of TCP Cubic

Start at: 2017-12-05 10:00:21
End at: 2017-12-05 10:00:51
Local clock offset: 5.406 ms
Remote clock offset: -12.232 ms

Below is generated by plot.py at 2017-12-05 15:34:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 42.323 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 42.323 ms
Loss rate: 0.13%

Run 1: Report of TCP Cubic — Data Link

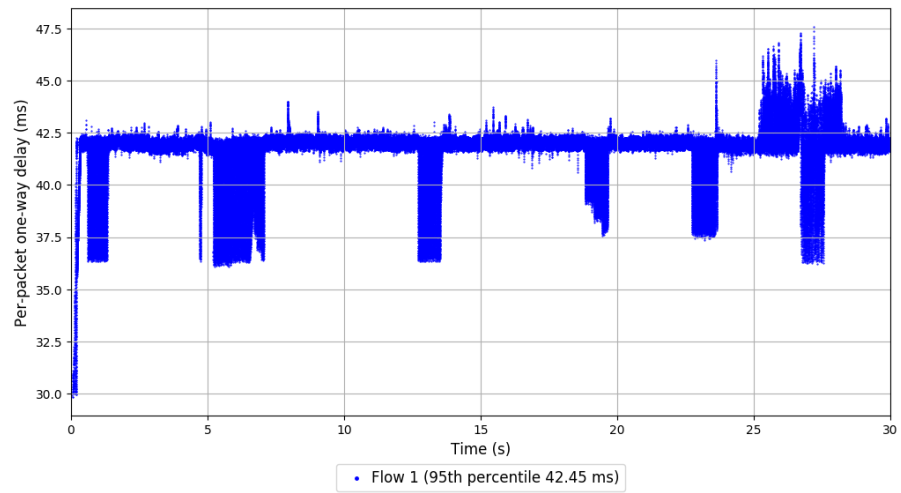
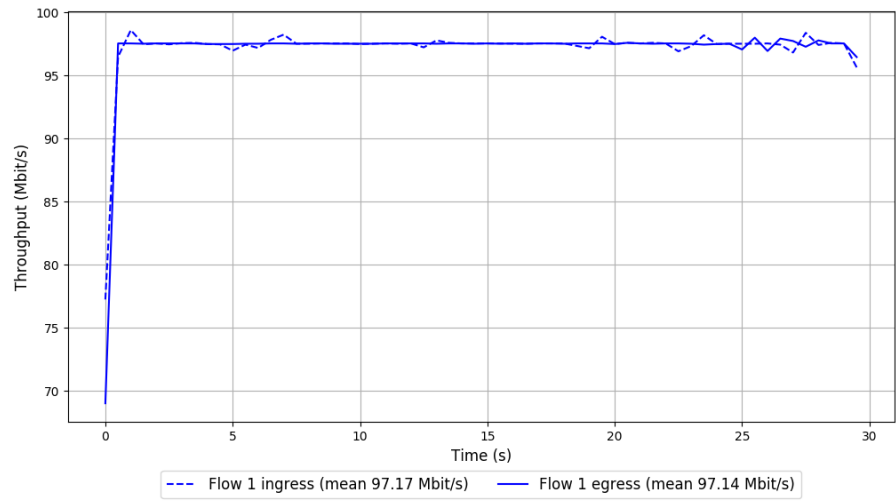


Run 2: Statistics of TCP Cubic

Start at: 2017-12-05 10:17:24
End at: 2017-12-05 10:17:54
Local clock offset: 5.574 ms
Remote clock offset: -12.355 ms

Below is generated by plot.py at 2017-12-05 15:34:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 42.453 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 42.453 ms
Loss rate: 0.13%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2017-12-05 10:35:02

End at: 2017-12-05 10:35:32

Local clock offset: 7.0 ms

Remote clock offset: -11.33 ms

Below is generated by plot.py at 2017-12-05 15:34:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.19 Mbit/s

95th percentile per-packet one-way delay: 40.560 ms

Loss rate: 0.12%

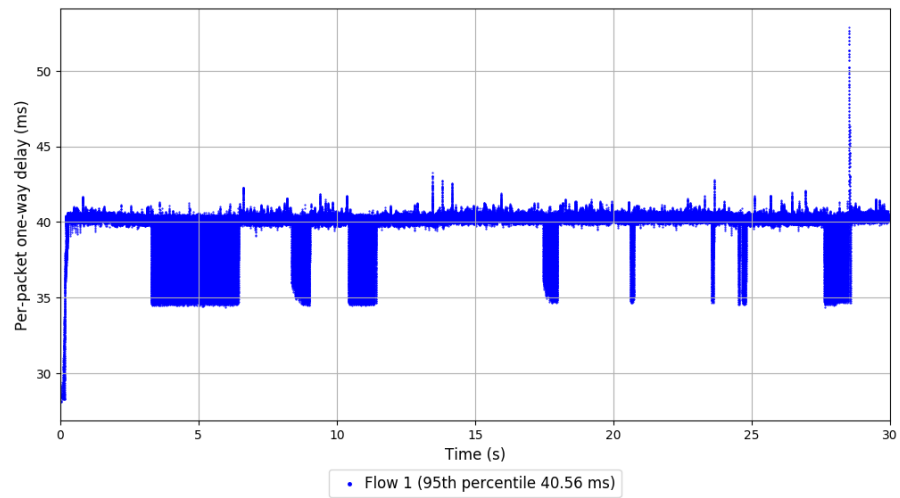
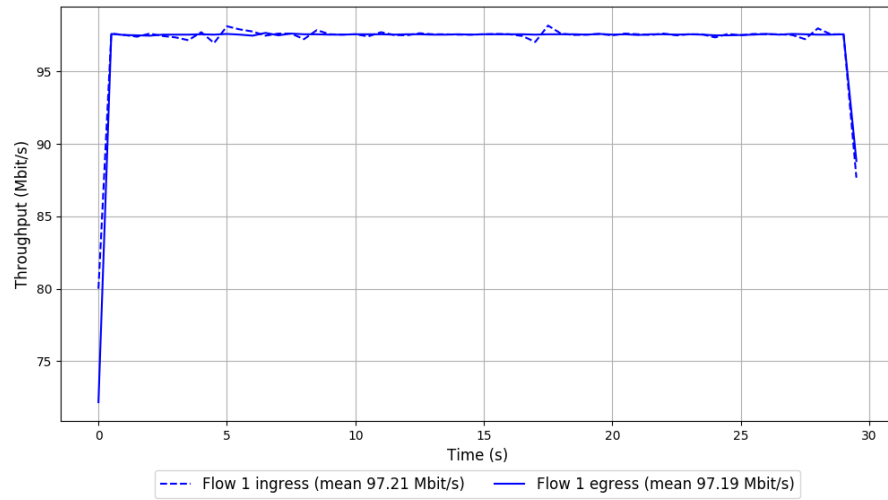
-- Flow 1:

Average throughput: 97.19 Mbit/s

95th percentile per-packet one-way delay: 40.560 ms

Loss rate: 0.12%

Run 3: Report of TCP Cubic — Data Link

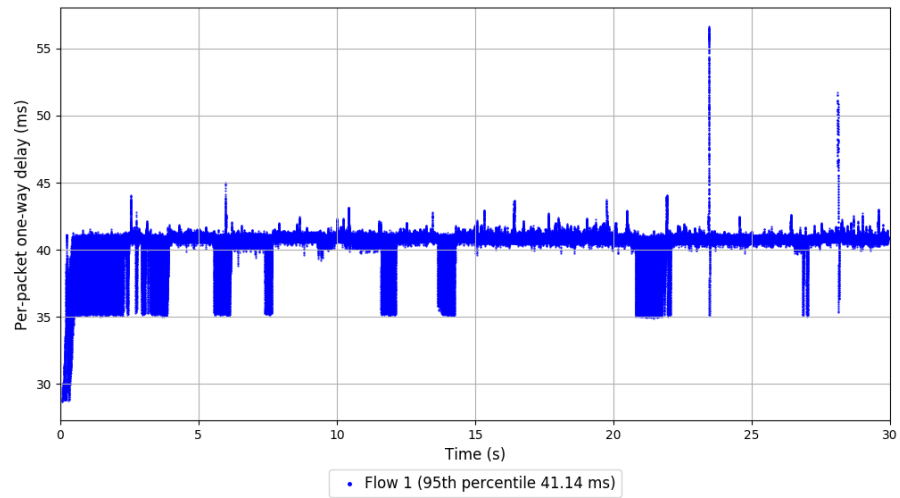
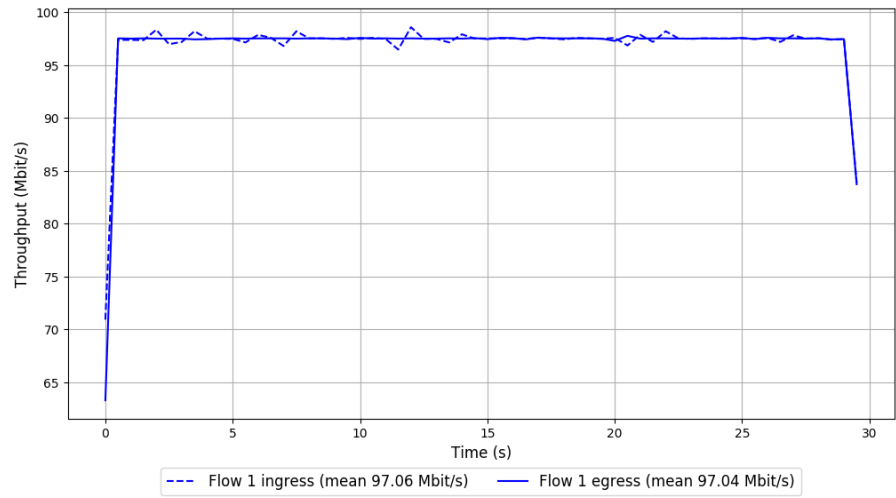


Run 4: Statistics of TCP Cubic

Start at: 2017-12-05 10:52:11
End at: 2017-12-05 10:52:41
Local clock offset: 8.321 ms
Remote clock offset: -10.281 ms

Below is generated by plot.py at 2017-12-05 15:34:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.04 Mbit/s
95th percentile per-packet one-way delay: 41.136 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 97.04 Mbit/s
95th percentile per-packet one-way delay: 41.136 ms
Loss rate: 0.14%

Run 4: Report of TCP Cubic — Data Link

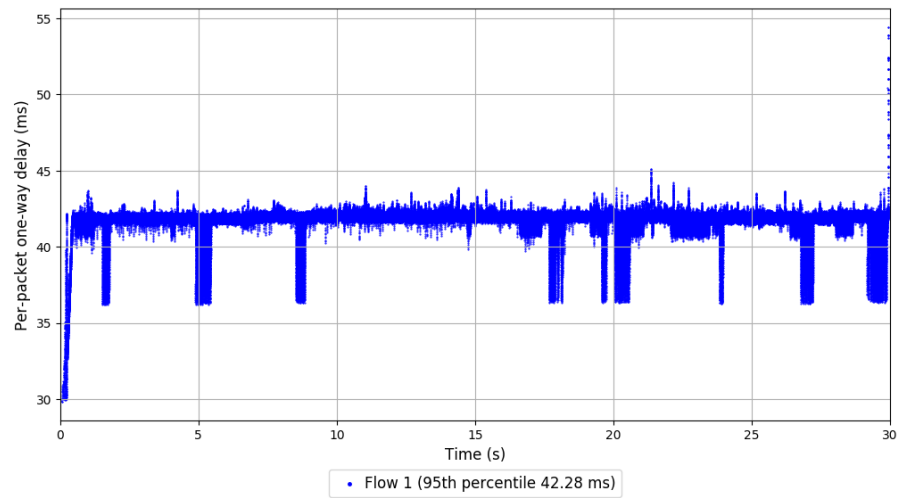
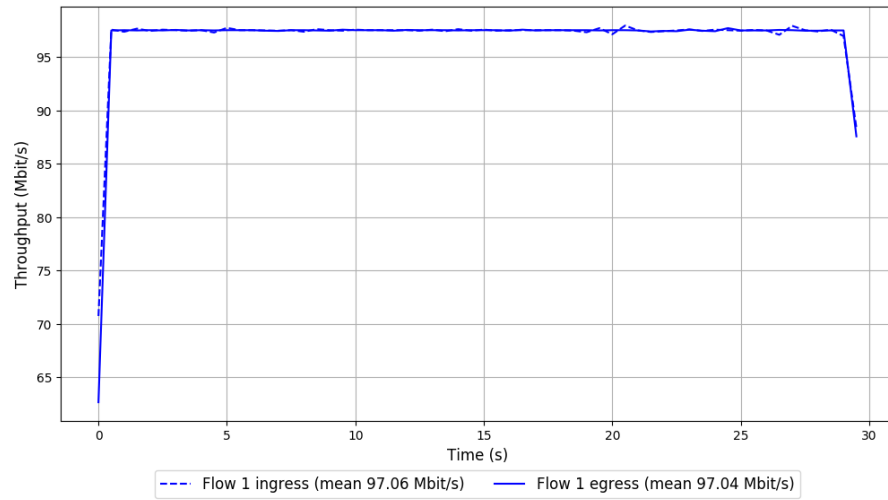


Run 5: Statistics of TCP Cubic

Start at: 2017-12-05 11:09:29
End at: 2017-12-05 11:09:59
Local clock offset: 8.335 ms
Remote clock offset: -9.751 ms

Below is generated by plot.py at 2017-12-05 15:34:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.04 Mbit/s
95th percentile per-packet one-way delay: 42.283 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 97.04 Mbit/s
95th percentile per-packet one-way delay: 42.283 ms
Loss rate: 0.15%

Run 5: Report of TCP Cubic — Data Link

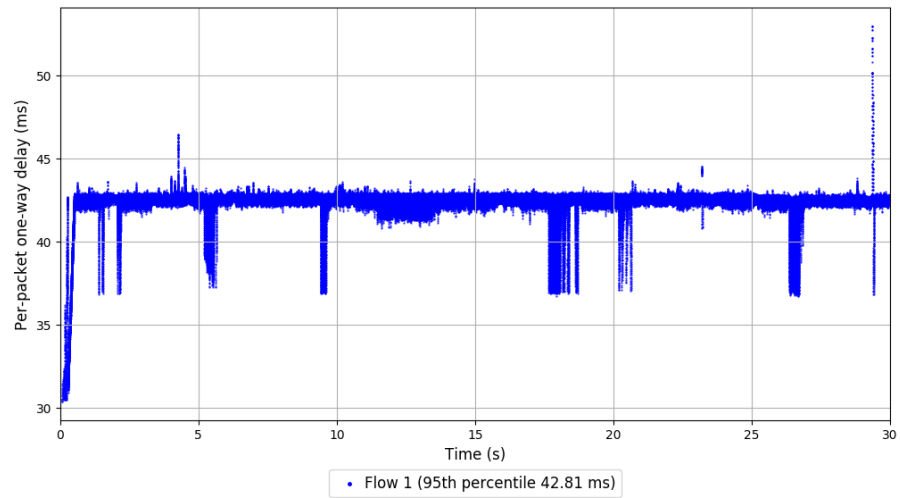
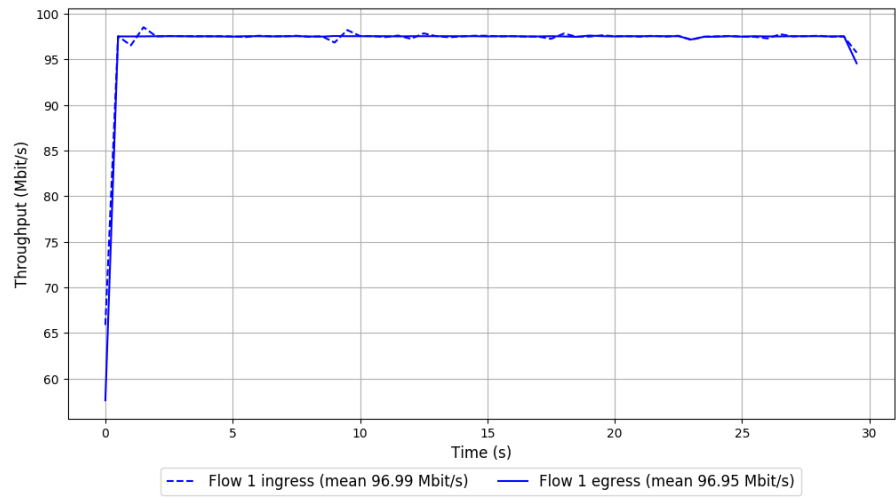


Run 6: Statistics of TCP Cubic

Start at: 2017-12-05 11:26:28
End at: 2017-12-05 11:26:58
Local clock offset: 5.904 ms
Remote clock offset: -11.391 ms

Below is generated by plot.py at 2017-12-05 15:34:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.95 Mbit/s
95th percentile per-packet one-way delay: 42.814 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 96.95 Mbit/s
95th percentile per-packet one-way delay: 42.814 ms
Loss rate: 0.16%

Run 6: Report of TCP Cubic — Data Link

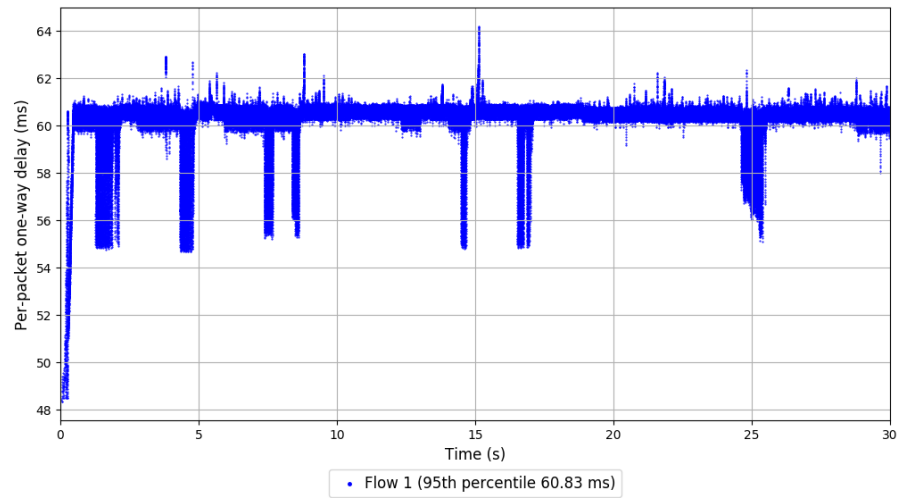
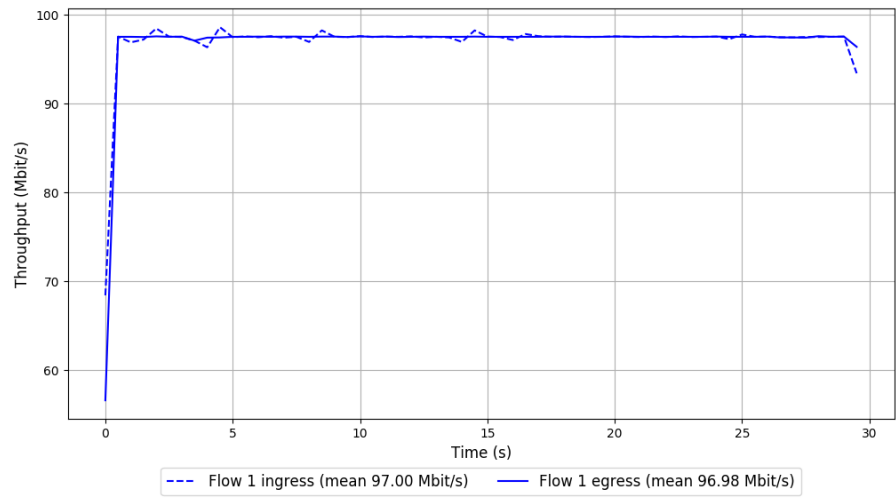


Run 7: Statistics of TCP Cubic

Start at: 2017-12-05 11:44:07
End at: 2017-12-05 11:44:37
Local clock offset: 7.113 ms
Remote clock offset: -28.716 ms

Below is generated by plot.py at 2017-12-05 15:36:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.98 Mbit/s
95th percentile per-packet one-way delay: 60.833 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 96.98 Mbit/s
95th percentile per-packet one-way delay: 60.833 ms
Loss rate: 0.15%

Run 7: Report of TCP Cubic — Data Link

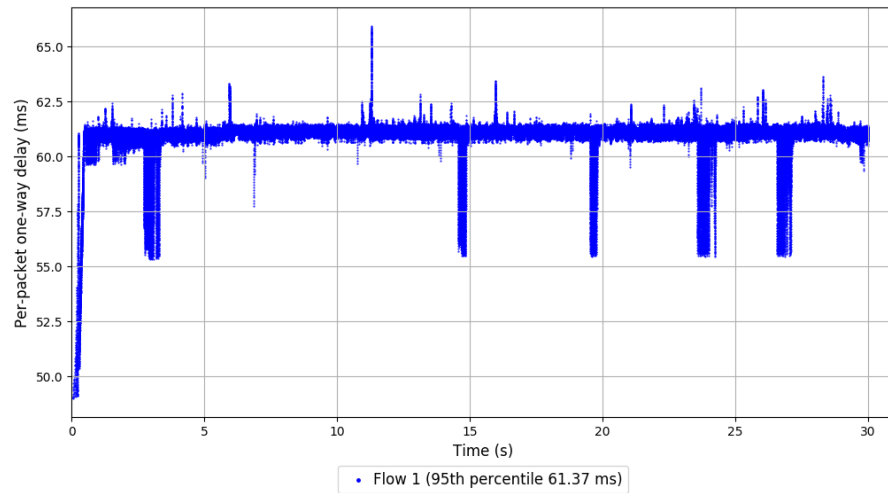
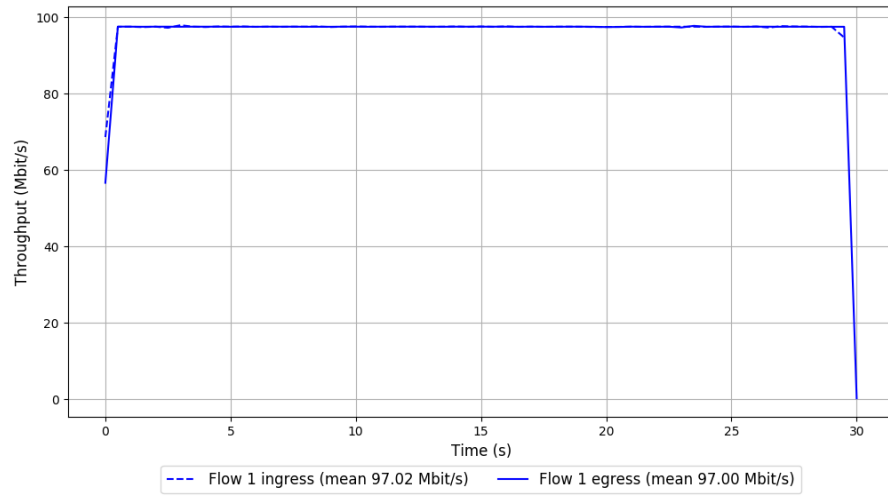


Run 8: Statistics of TCP Cubic

Start at: 2017-12-05 12:01:16
End at: 2017-12-05 12:01:46
Local clock offset: 5.989 ms
Remote clock offset: -29.048 ms

Below is generated by plot.py at 2017-12-05 15:36:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.00 Mbit/s
95th percentile per-packet one-way delay: 61.373 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 97.00 Mbit/s
95th percentile per-packet one-way delay: 61.373 ms
Loss rate: 0.15%

Run 8: Report of TCP Cubic — Data Link

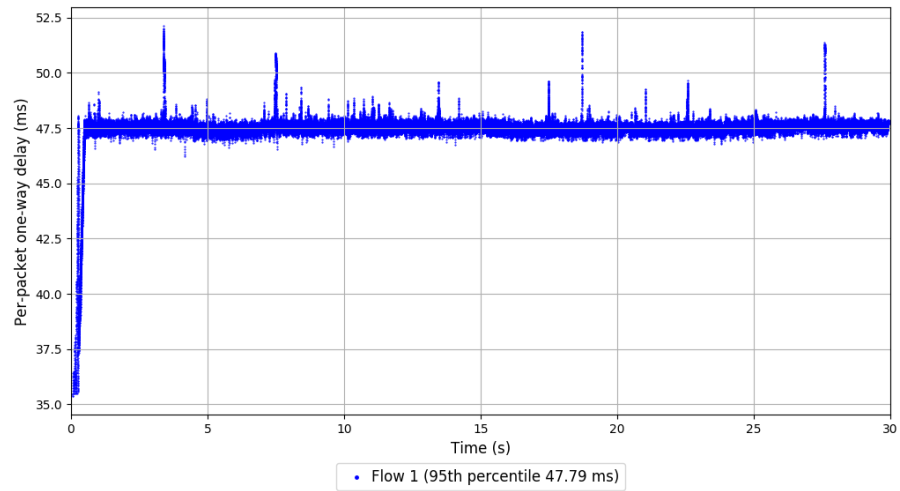
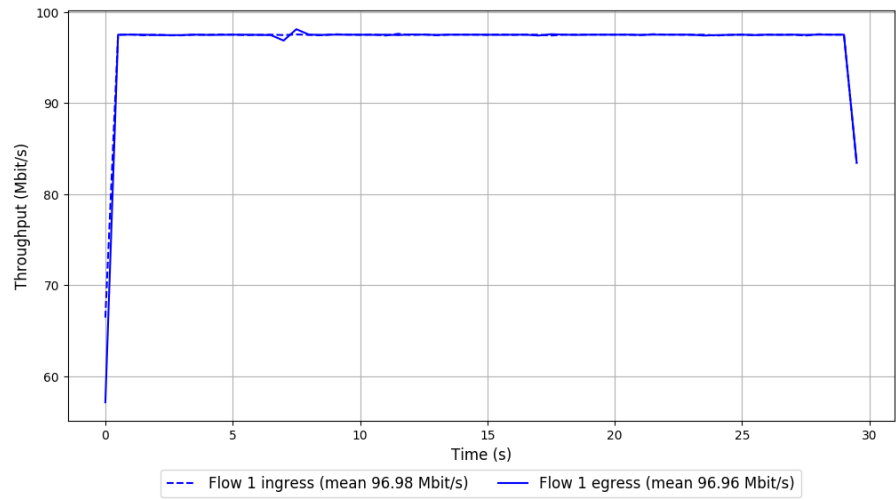


Run 9: Statistics of TCP Cubic

Start at: 2017-12-05 12:18:21
End at: 2017-12-05 12:18:51
Local clock offset: 3.459 ms
Remote clock offset: -14.59 ms

Below is generated by plot.py at 2017-12-05 15:36:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.96 Mbit/s
95th percentile per-packet one-way delay: 47.793 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 96.96 Mbit/s
95th percentile per-packet one-way delay: 47.793 ms
Loss rate: 0.16%

Run 9: Report of TCP Cubic — Data Link

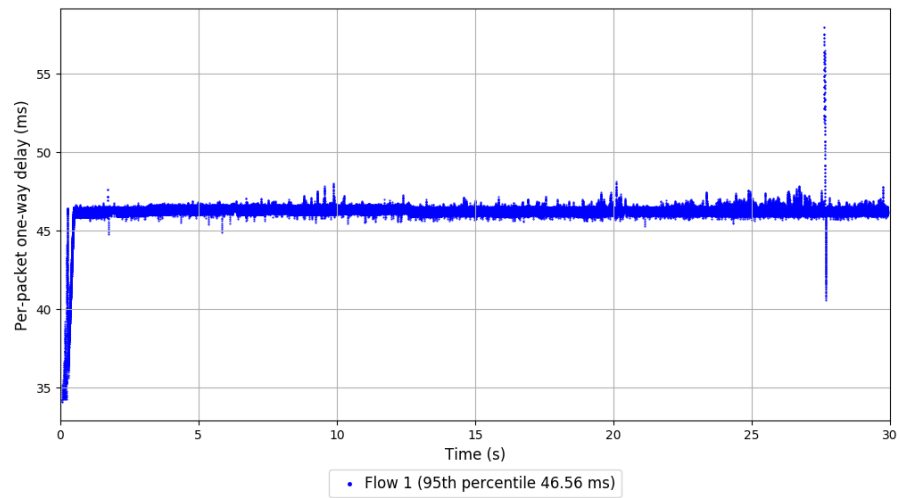
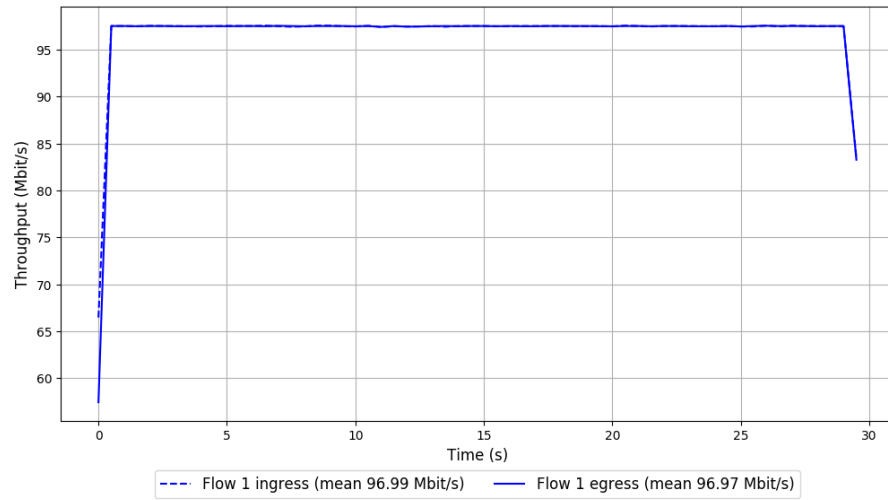


Run 10: Statistics of TCP Cubic

Start at: 2017-12-05 12:35:24
End at: 2017-12-05 12:35:54
Local clock offset: 3.1 ms
Remote clock offset: -13.649 ms

Below is generated by plot.py at 2017-12-05 15:36:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.97 Mbit/s
95th percentile per-packet one-way delay: 46.564 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 96.97 Mbit/s
95th percentile per-packet one-way delay: 46.564 ms
Loss rate: 0.16%

Run 10: Report of TCP Cubic — Data Link

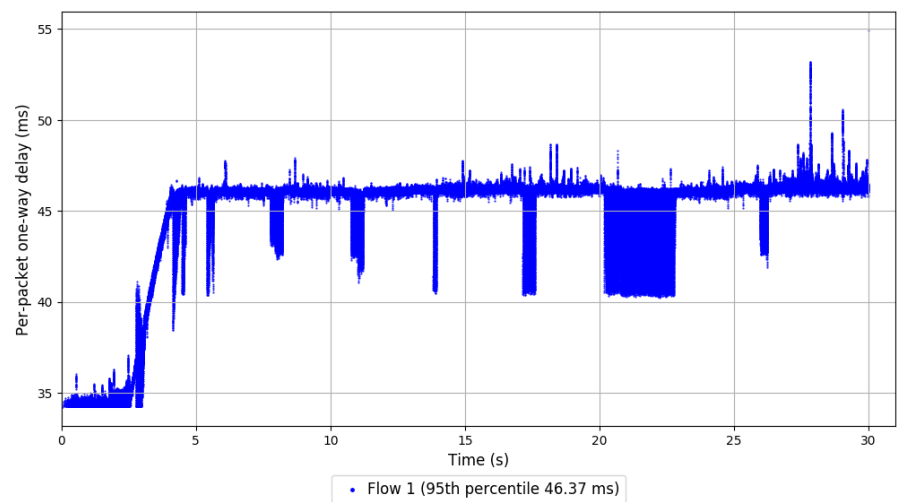
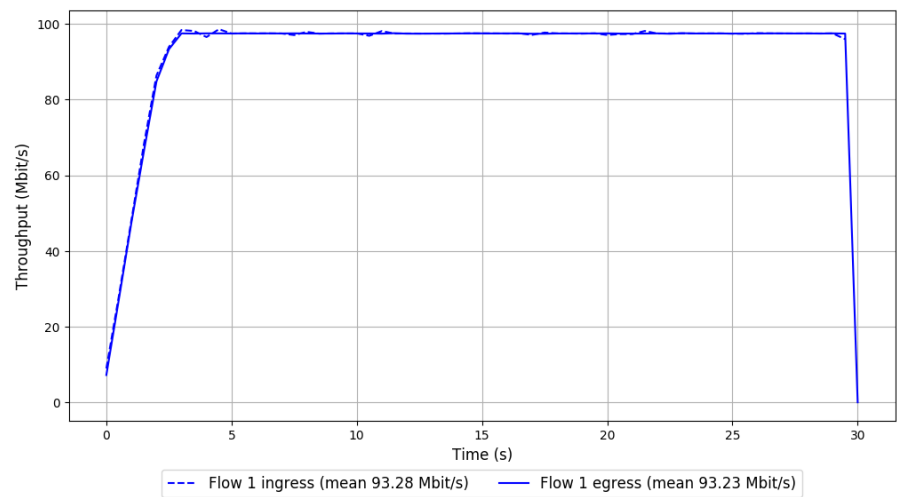


```
Run 1: Statistics of LEDBAT

Start at: 2017-12-05 09:58:54
End at: 2017-12-05 09:59:24
Local clock offset: 8.401 ms
Remote clock offset: -13.509 ms

# Below is generated by plot.py at 2017-12-05 15:36:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.23 Mbit/s
95th percentile per-packet one-way delay: 46.366 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 93.23 Mbit/s
95th percentile per-packet one-way delay: 46.366 ms
Loss rate: 0.13%
```


Run 1: Report of LEDBAT — Data Link

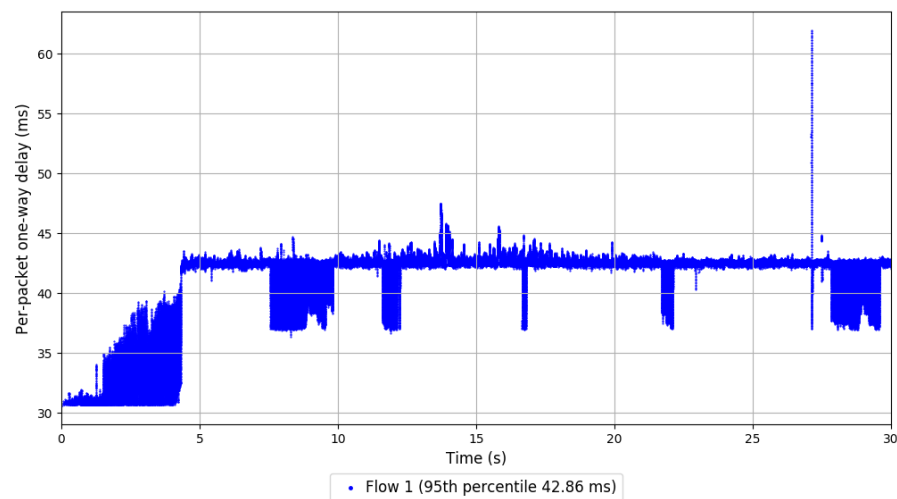
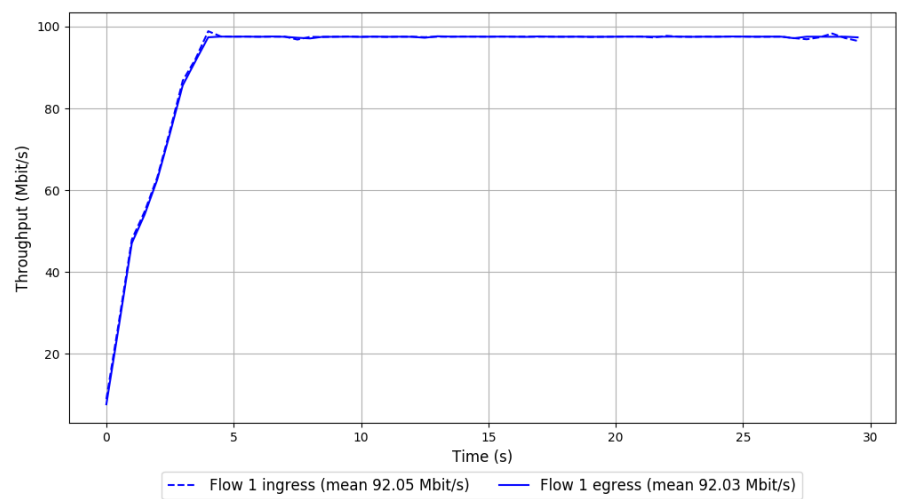


Run 2: Statistics of LEDBAT

Start at: 2017-12-05 10:16:06
End at: 2017-12-05 10:16:36
Local clock offset: 6.16 ms
Remote clock offset: -12.455 ms

Below is generated by plot.py at 2017-12-05 15:36:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.03 Mbit/s
95th percentile per-packet one-way delay: 42.856 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 92.03 Mbit/s
95th percentile per-packet one-way delay: 42.856 ms
Loss rate: 0.13%

Run 2: Report of LEDBAT — Data Link

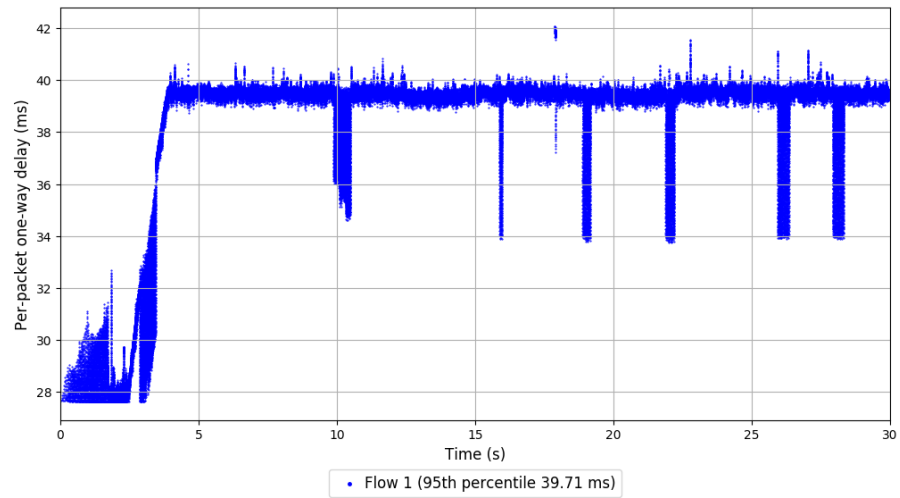
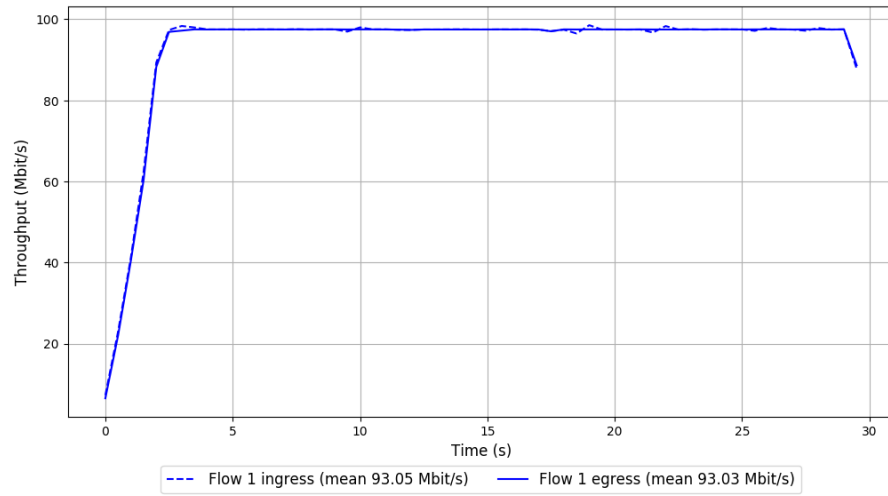


Run 3: Statistics of LEDBAT

Start at: 2017-12-05 10:33:43
End at: 2017-12-05 10:34:13
Local clock offset: 6.497 ms
Remote clock offset: -11.265 ms

Below is generated by plot.py at 2017-12-05 15:36:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.03 Mbit/s
95th percentile per-packet one-way delay: 39.708 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 93.03 Mbit/s
95th percentile per-packet one-way delay: 39.708 ms
Loss rate: 0.12%

Run 3: Report of LEDBAT — Data Link

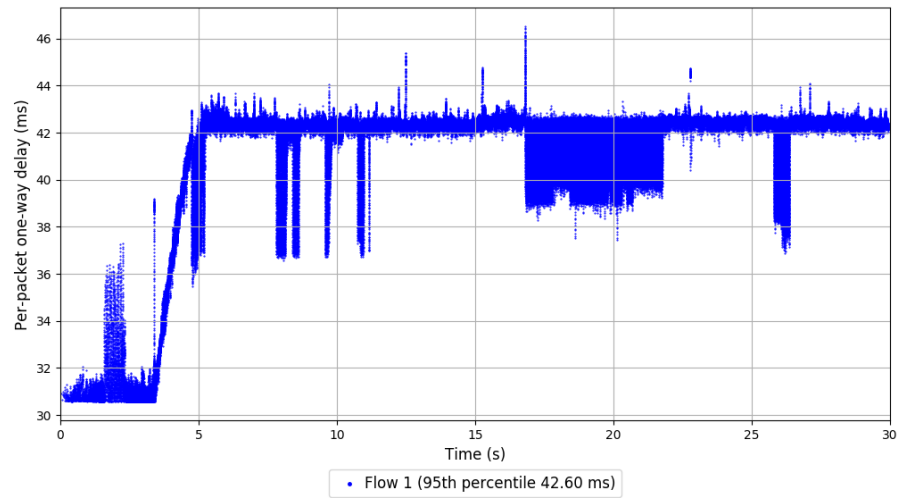
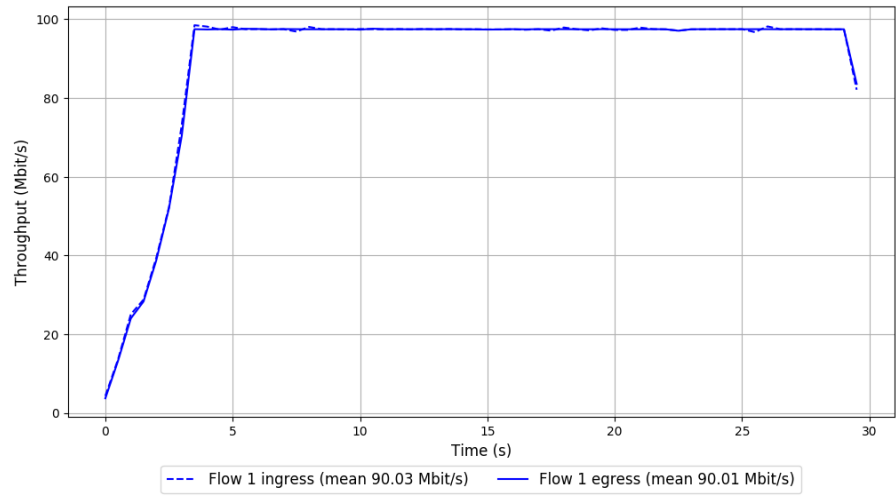


Run 4: Statistics of LEDBAT

Start at: 2017-12-05 10:50:51
End at: 2017-12-05 10:51:21
Local clock offset: 9.424 ms
Remote clock offset: -11.016 ms

Below is generated by plot.py at 2017-12-05 15:36:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.01 Mbit/s
95th percentile per-packet one-way delay: 42.604 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 90.01 Mbit/s
95th percentile per-packet one-way delay: 42.604 ms
Loss rate: 0.12%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

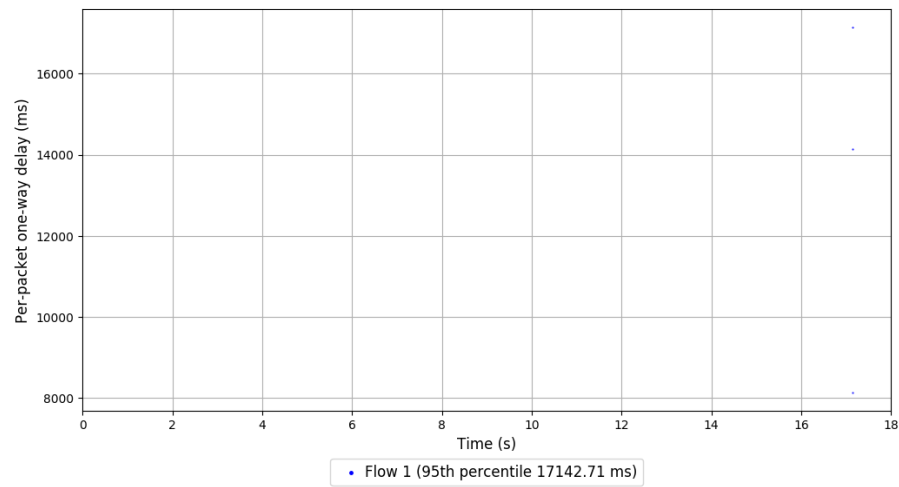
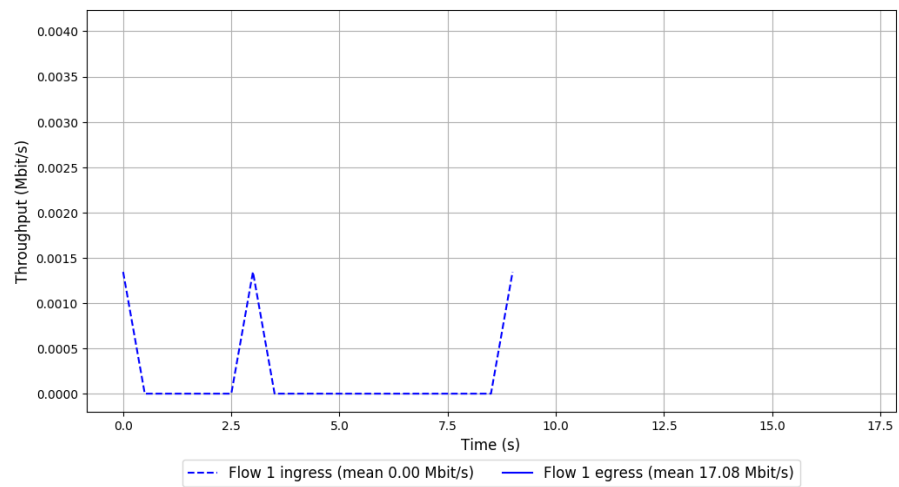
Start at: 2017-12-05 11:08:24

End at: 2017-12-05 11:08:54

Local clock offset: 9.204 ms

Remote clock offset: -10.775 ms

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

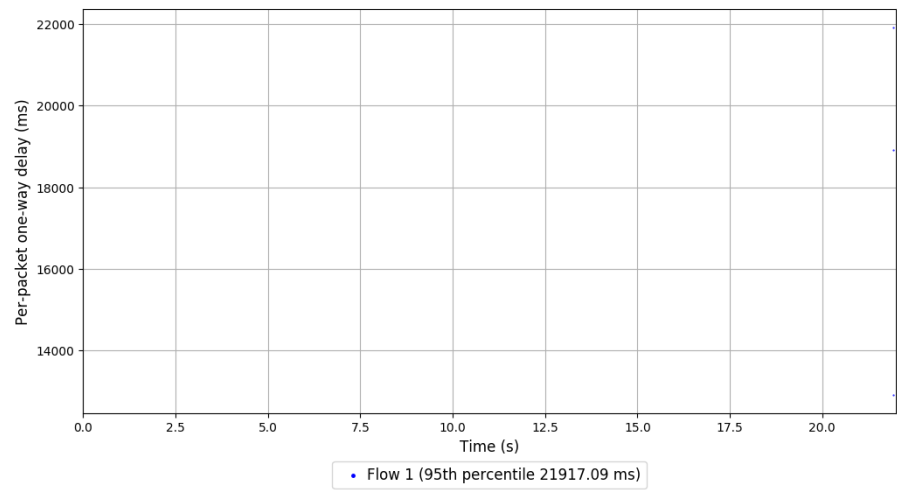
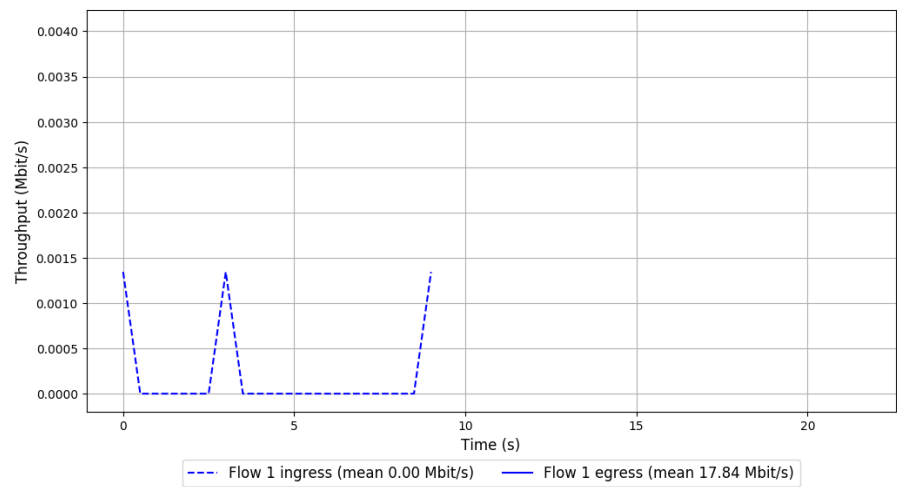
Start at: 2017-12-05 11:25:23

End at: 2017-12-05 11:25:53

Local clock offset: 7.473 ms

Remote clock offset: -10.58 ms

Run 6: Report of LEDBAT — Data Link

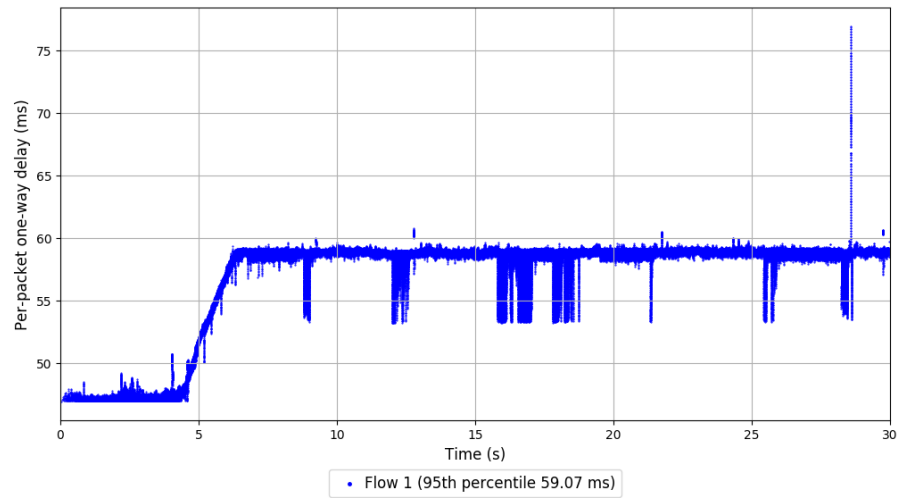
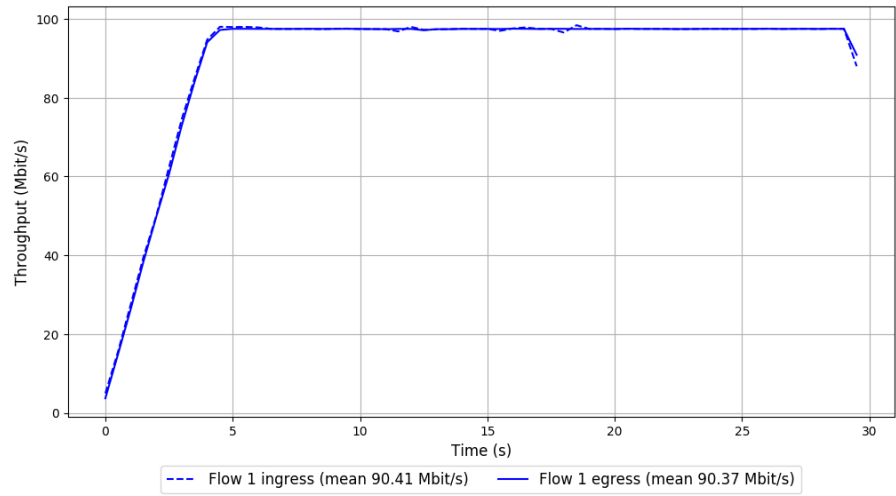


Run 7: Statistics of LEDBAT

Start at: 2017-12-05 11:42:52
End at: 2017-12-05 11:43:22
Local clock offset: 6.604 ms
Remote clock offset: -27.878 ms

Below is generated by plot.py at 2017-12-05 15:37:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.37 Mbit/s
95th percentile per-packet one-way delay: 59.073 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 90.37 Mbit/s
95th percentile per-packet one-way delay: 59.073 ms
Loss rate: 0.16%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

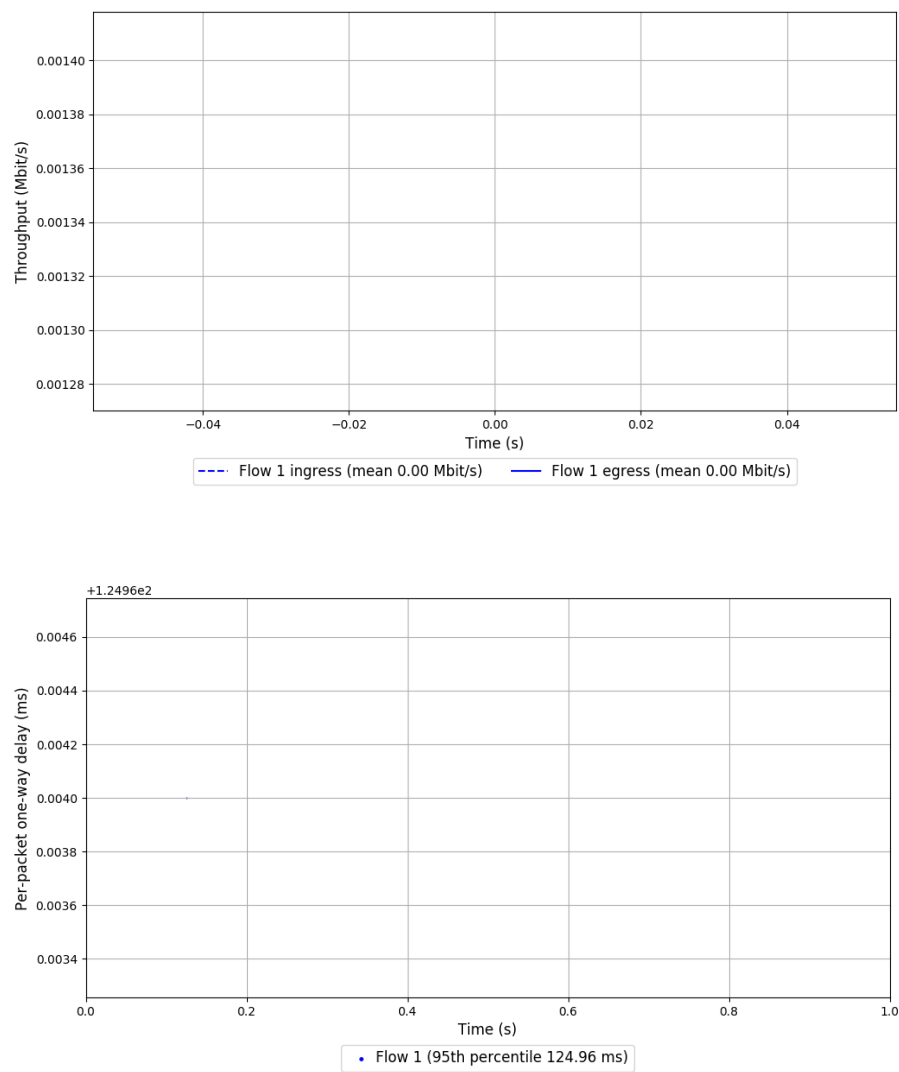
Start at: 2017-12-05 12:00:12

End at: 2017-12-05 12:00:42

Local clock offset: 4.29 ms

Remote clock offset: -28.885 ms

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

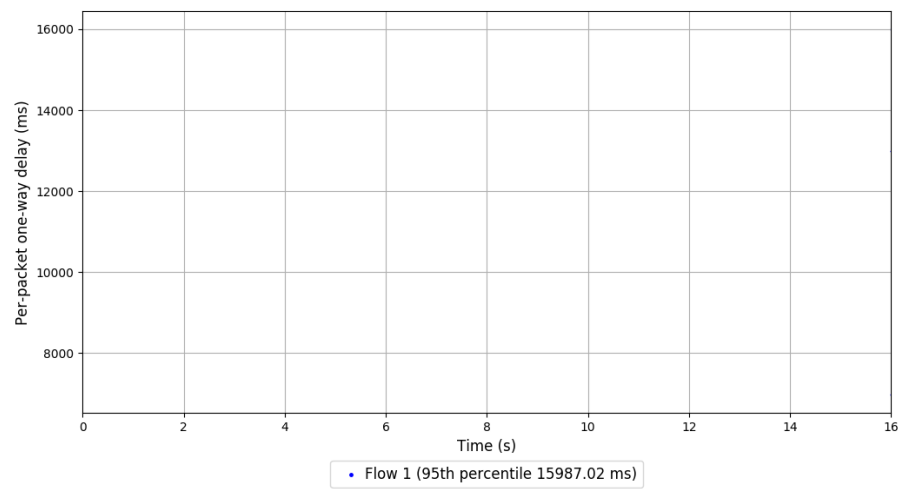
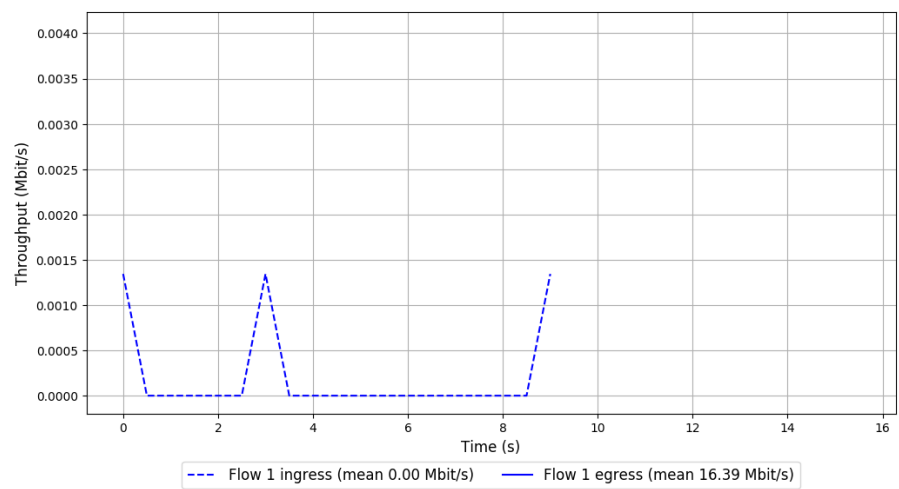
Start at: 2017-12-05 12:17:16

End at: 2017-12-05 12:17:46

Local clock offset: 3.802 ms

Remote clock offset: -13.429 ms

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

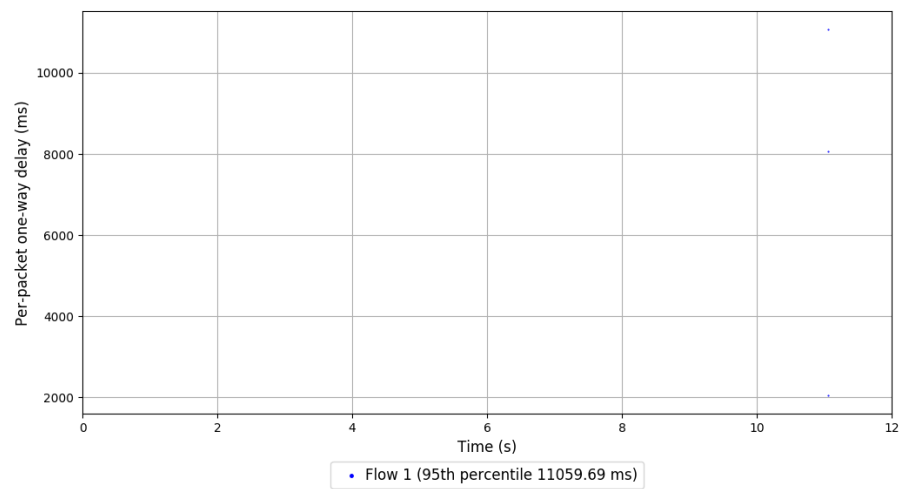
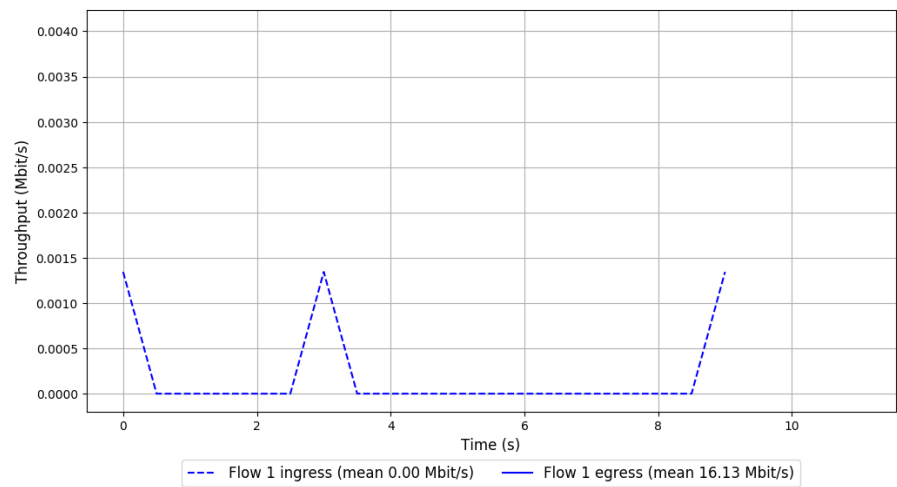
Start at: 2017-12-05 12:34:19

End at: 2017-12-05 12:34:49

Local clock offset: 0.245 ms

Remote clock offset: -15.473 ms

Run 10: Report of LEDBAT — Data Link

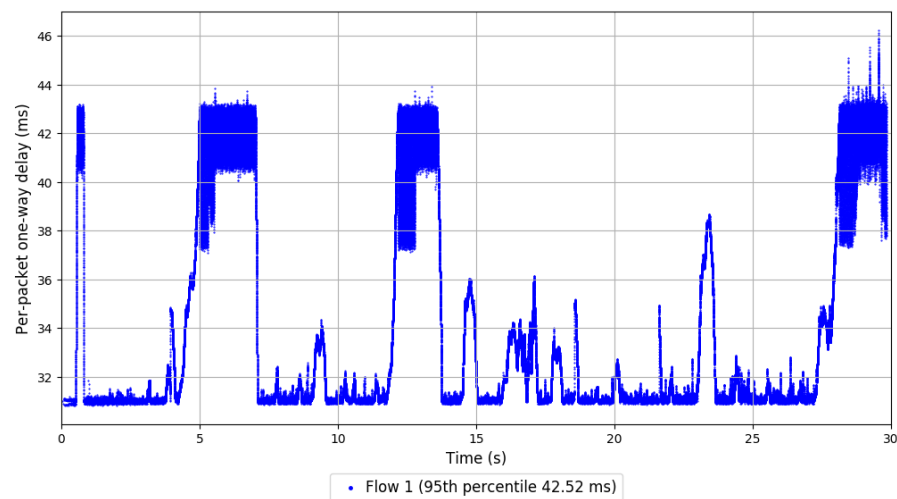
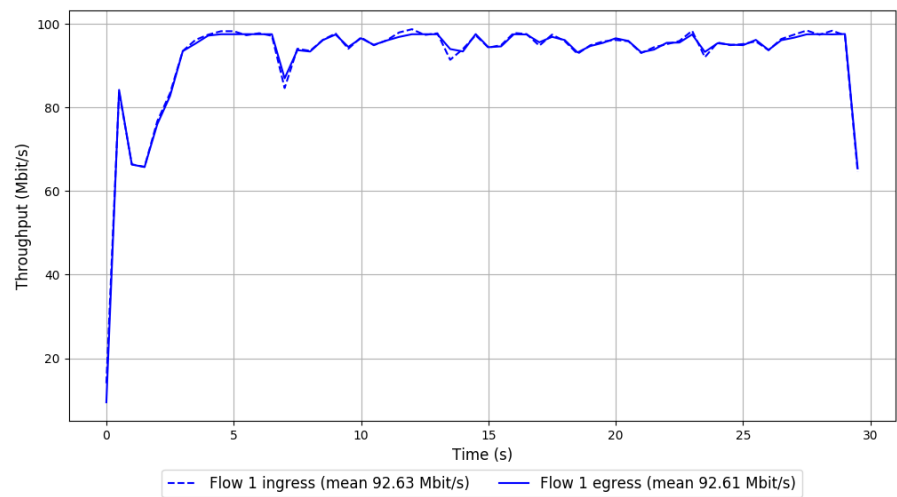


Run 1: Statistics of PCC

Start at: 2017-12-05 09:57:40
End at: 2017-12-05 09:58:10
Local clock offset: 5.593 ms
Remote clock offset: -13.097 ms

Below is generated by plot.py at 2017-12-05 15:37:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.61 Mbit/s
95th percentile per-packet one-way delay: 42.521 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 92.61 Mbit/s
95th percentile per-packet one-way delay: 42.521 ms
Loss rate: 0.13%

Run 1: Report of PCC — Data Link

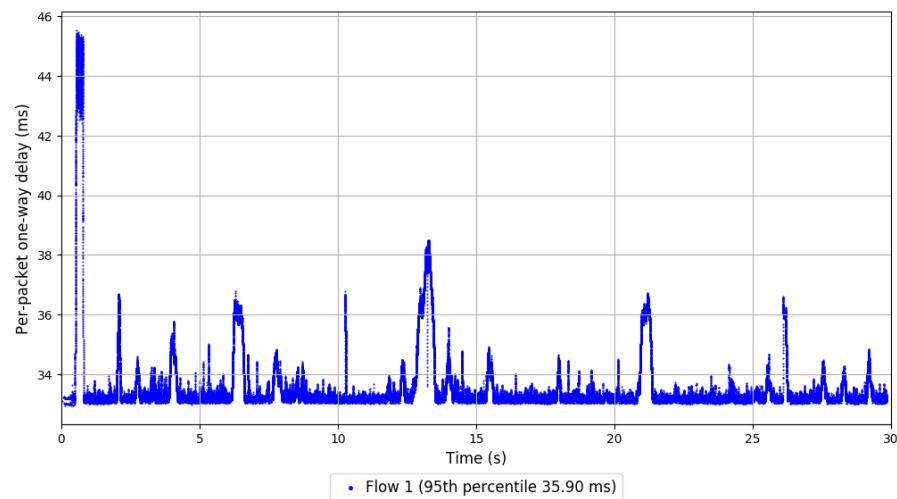
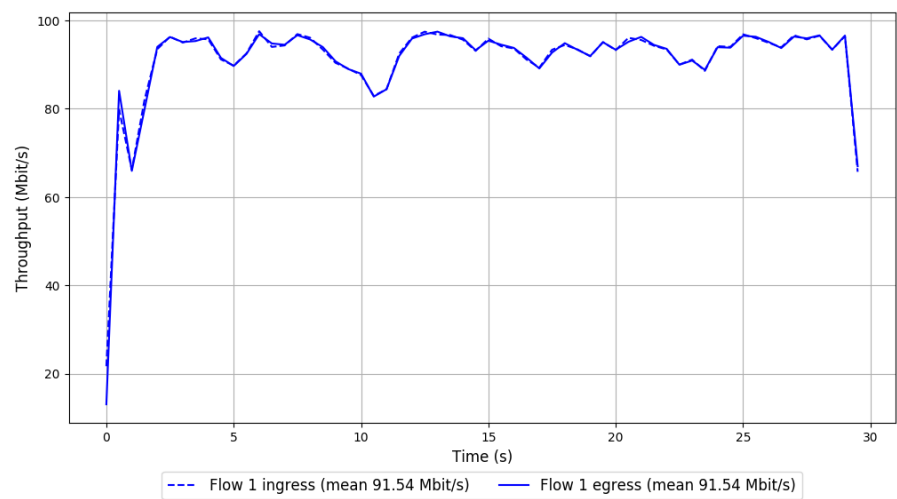


Run 2: Statistics of PCC

Start at: 2017-12-05 10:14:56
End at: 2017-12-05 10:15:26
Local clock offset: 8.481 ms
Remote clock offset: -12.532 ms

Below is generated by plot.py at 2017-12-05 15:37:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.54 Mbit/s
95th percentile per-packet one-way delay: 35.899 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 91.54 Mbit/s
95th percentile per-packet one-way delay: 35.899 ms
Loss rate: 0.09%

Run 2: Report of PCC — Data Link

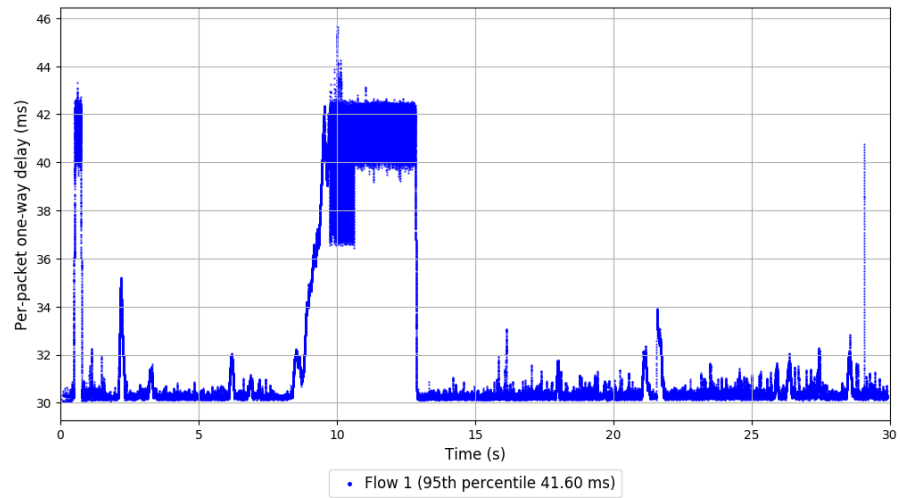
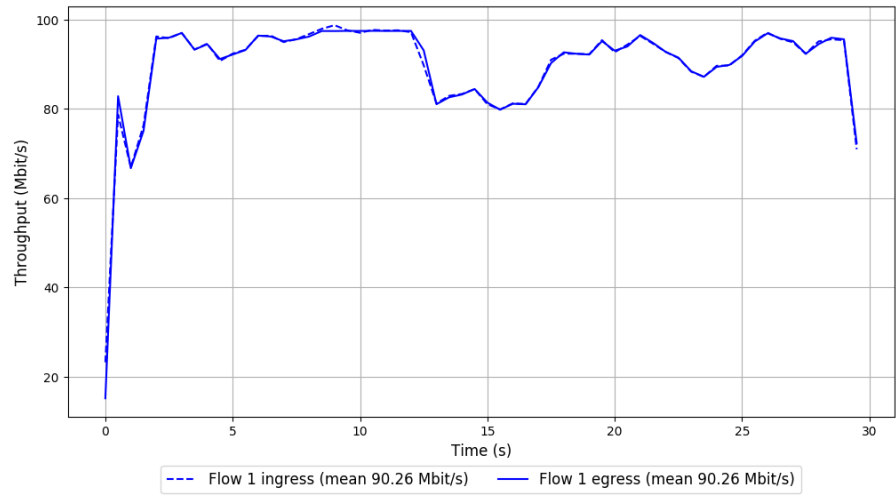


Run 3: Statistics of PCC

Start at: 2017-12-05 10:32:27
End at: 2017-12-05 10:32:57
Local clock offset: 9.72 ms
Remote clock offset: -10.671 ms

Below is generated by plot.py at 2017-12-05 15:37:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.26 Mbit/s
95th percentile per-packet one-way delay: 41.600 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 90.26 Mbit/s
95th percentile per-packet one-way delay: 41.600 ms
Loss rate: 0.08%

Run 3: Report of PCC — Data Link

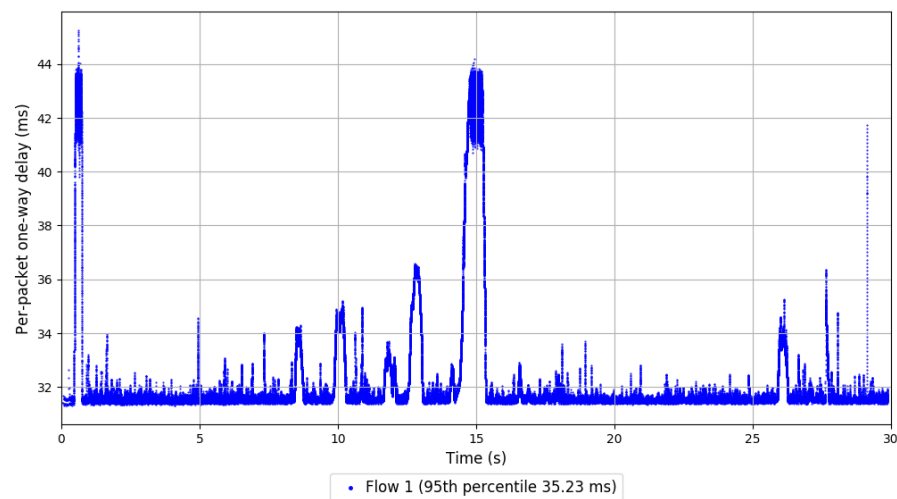
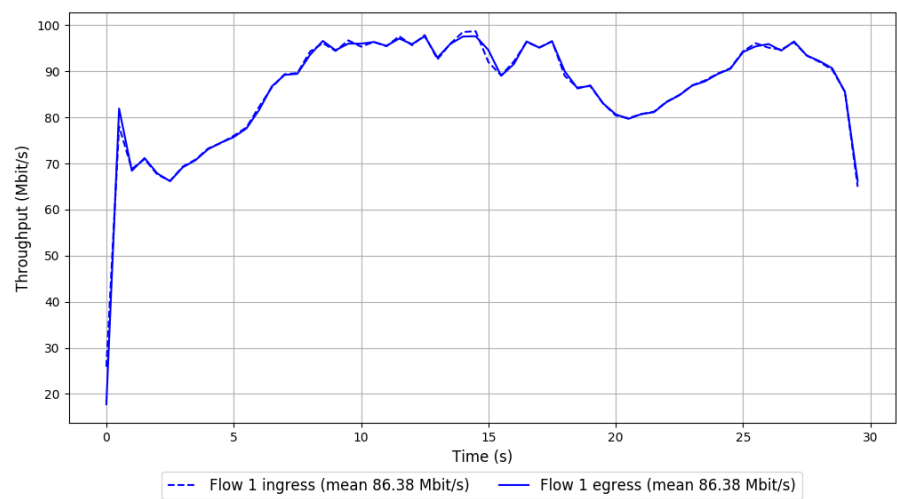


Run 4: Statistics of PCC

Start at: 2017-12-05 10:49:36
End at: 2017-12-05 10:50:06
Local clock offset: 9.534 ms
Remote clock offset: -11.828 ms

Below is generated by plot.py at 2017-12-05 15:37:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.38 Mbit/s
95th percentile per-packet one-way delay: 35.233 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 86.38 Mbit/s
95th percentile per-packet one-way delay: 35.233 ms
Loss rate: 0.08%

Run 4: Report of PCC — Data Link

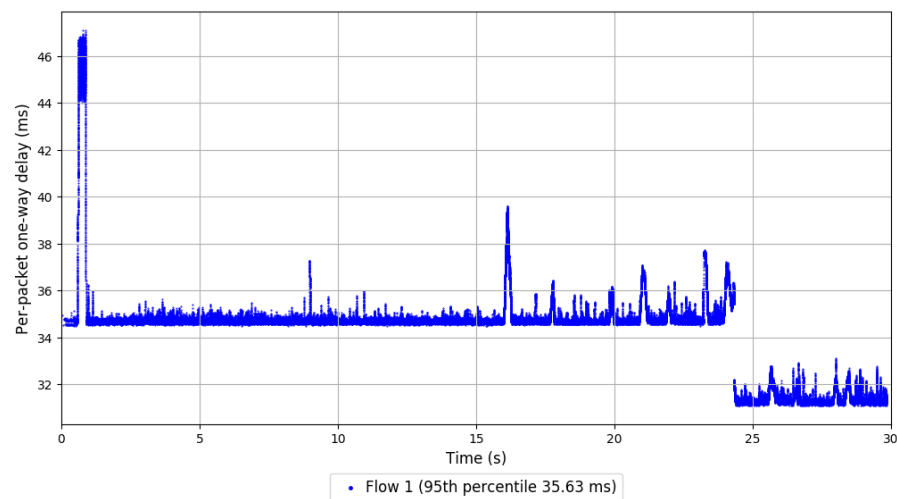
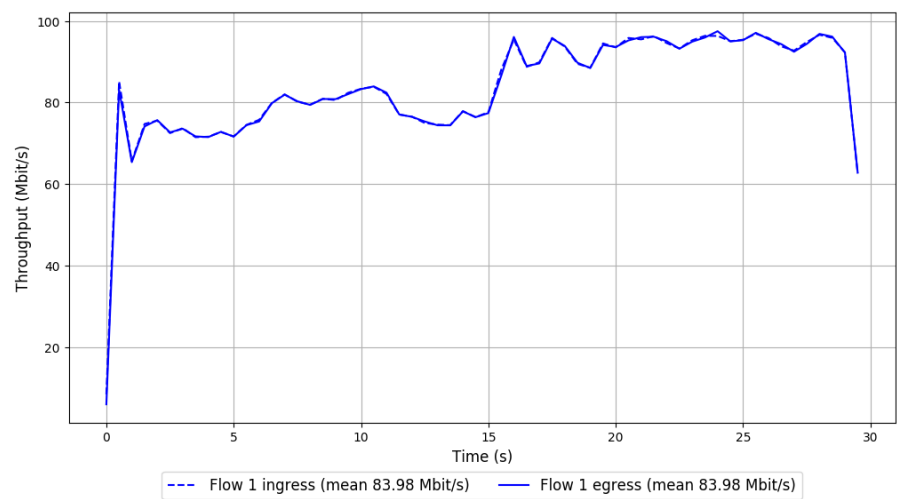


Run 5: Statistics of PCC

Start at: 2017-12-05 11:07:10
End at: 2017-12-05 11:07:40
Local clock offset: 10.22 ms
Remote clock offset: -11.007 ms

Below is generated by plot.py at 2017-12-05 15:37:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.98 Mbit/s
95th percentile per-packet one-way delay: 35.628 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 83.98 Mbit/s
95th percentile per-packet one-way delay: 35.628 ms
Loss rate: 0.11%

Run 5: Report of PCC — Data Link

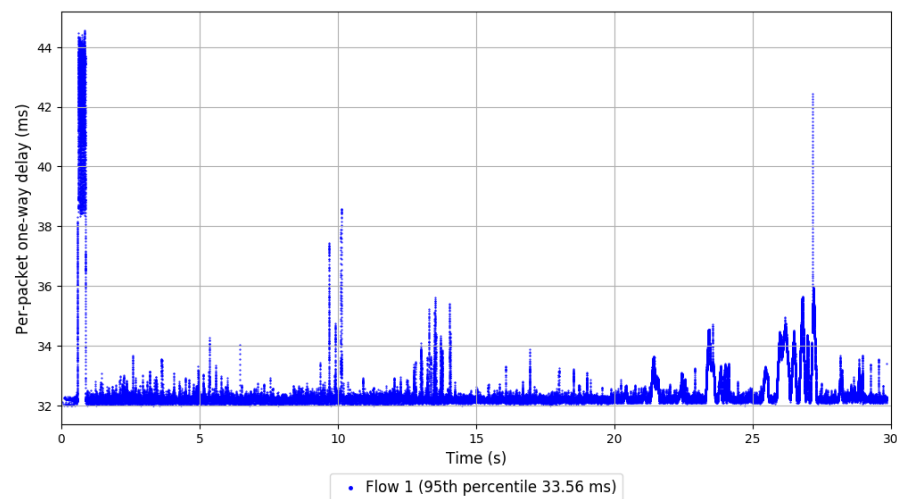
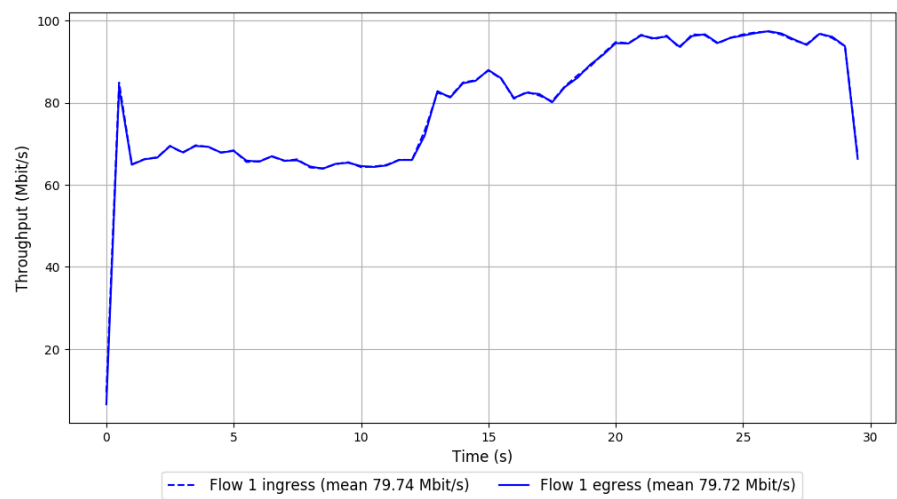


Run 6: Statistics of PCC

Start at: 2017-12-05 11:24:12
End at: 2017-12-05 11:24:42
Local clock offset: 8.746 ms
Remote clock offset: -10.374 ms

Below is generated by plot.py at 2017-12-05 15:37:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.72 Mbit/s
95th percentile per-packet one-way delay: 33.562 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 79.72 Mbit/s
95th percentile per-packet one-way delay: 33.562 ms
Loss rate: 0.14%

Run 6: Report of PCC — Data Link

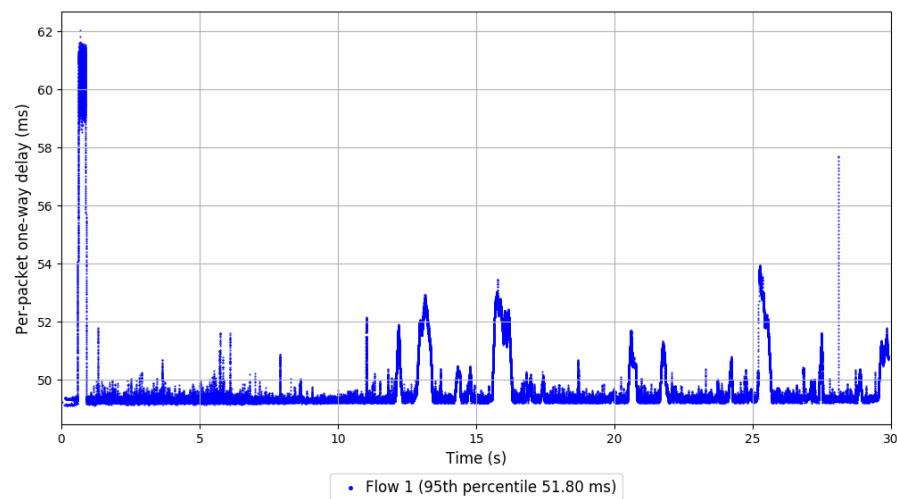
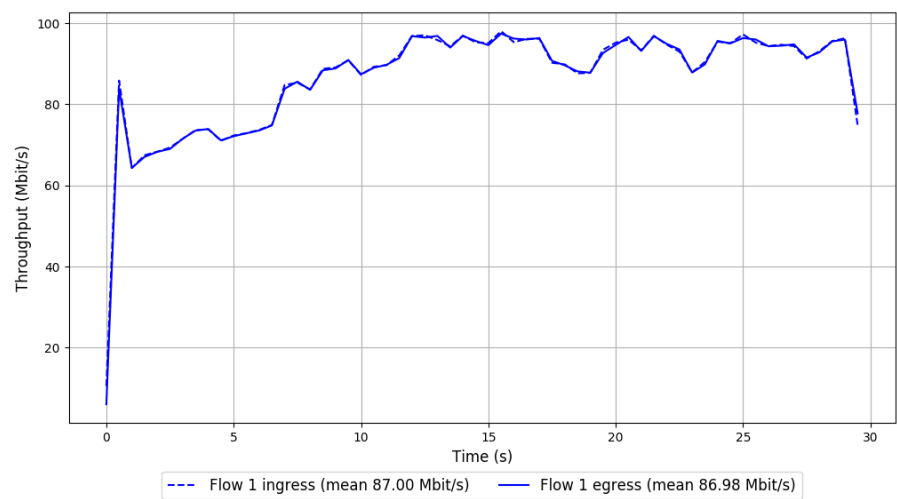


Run 7: Statistics of PCC

Start at: 2017-12-05 11:41:41
End at: 2017-12-05 11:42:11
Local clock offset: 7.286 ms
Remote clock offset: -29.576 ms

Below is generated by plot.py at 2017-12-05 15:37:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.98 Mbit/s
95th percentile per-packet one-way delay: 51.796 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 86.98 Mbit/s
95th percentile per-packet one-way delay: 51.796 ms
Loss rate: 0.13%

Run 7: Report of PCC — Data Link

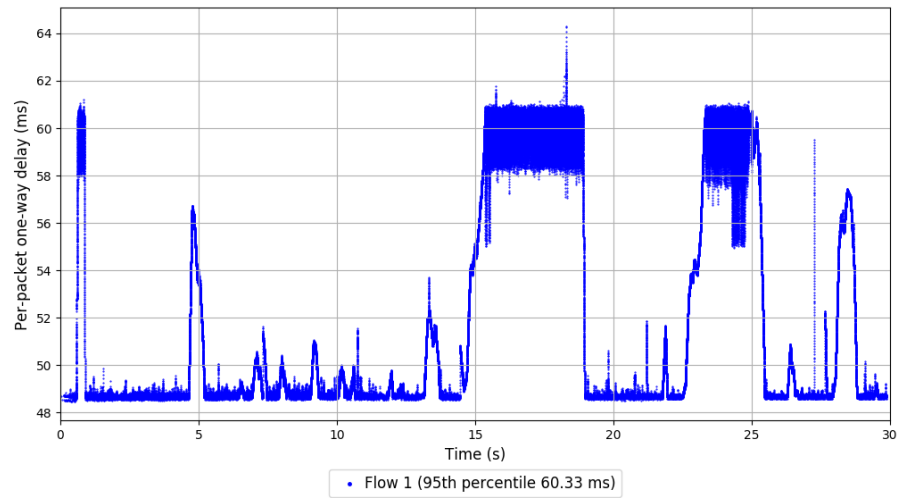
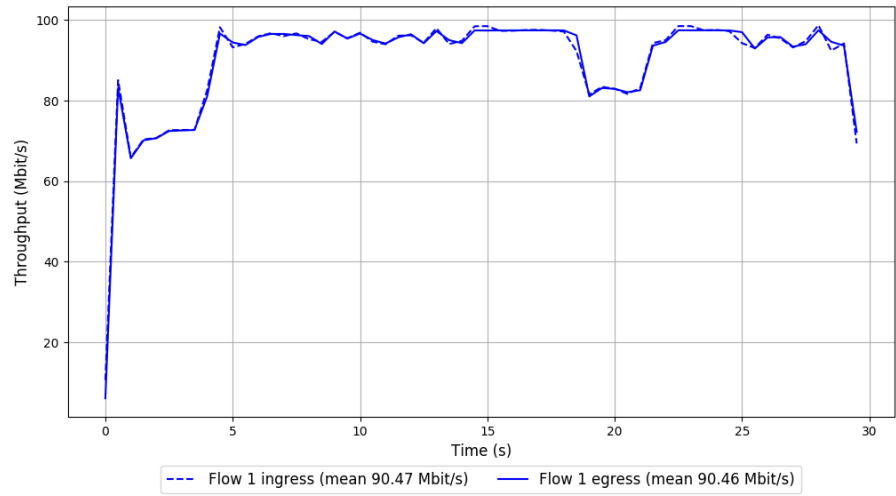


Run 8: Statistics of PCC

Start at: 2017-12-05 11:59:01
End at: 2017-12-05 11:59:31
Local clock offset: 5.866 ms
Remote clock offset: -28.962 ms

Below is generated by plot.py at 2017-12-05 15:38:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.46 Mbit/s
95th percentile per-packet one-way delay: 60.334 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 90.46 Mbit/s
95th percentile per-packet one-way delay: 60.334 ms
Loss rate: 0.12%

Run 8: Report of PCC — Data Link

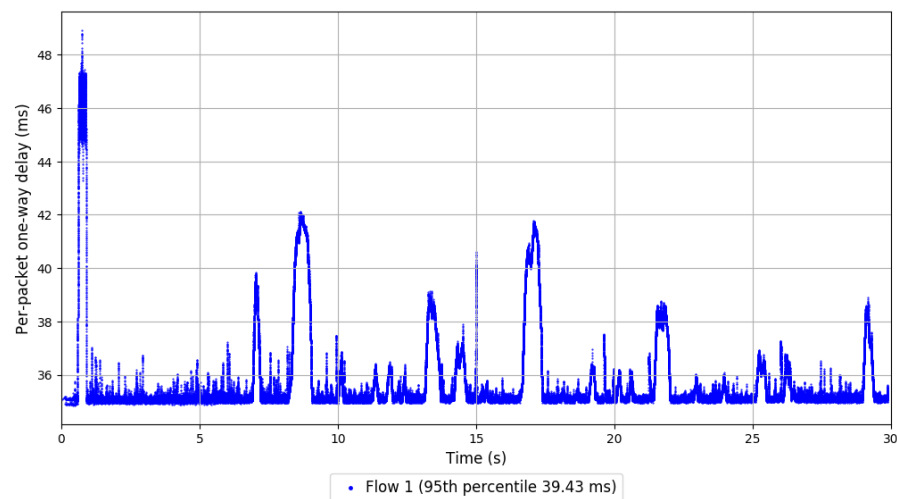
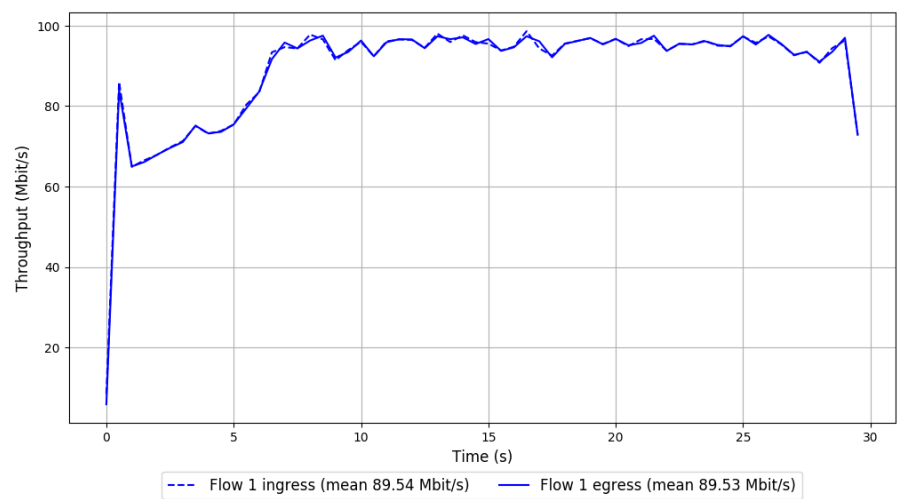


Run 9: Statistics of PCC

Start at: 2017-12-05 12:16:03
End at: 2017-12-05 12:16:33
Local clock offset: 4.147 ms
Remote clock offset: -13.605 ms

Below is generated by plot.py at 2017-12-05 15:38:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.53 Mbit/s
95th percentile per-packet one-way delay: 39.430 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 89.53 Mbit/s
95th percentile per-packet one-way delay: 39.430 ms
Loss rate: 0.12%

Run 9: Report of PCC — Data Link

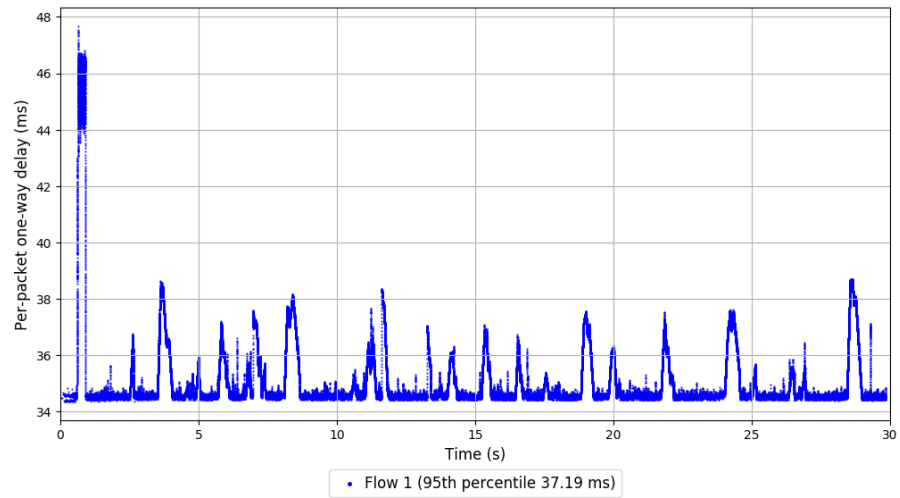
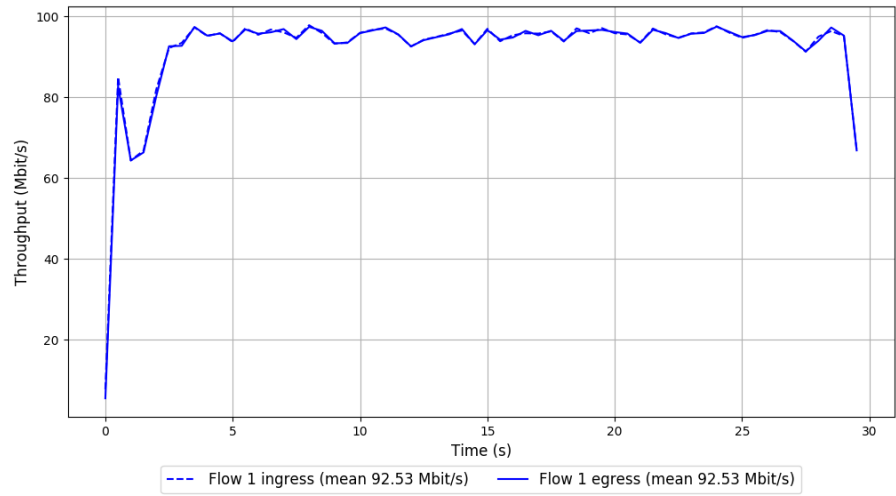


Run 10: Statistics of PCC

Start at: 2017-12-05 12:33:07
End at: 2017-12-05 12:33:37
Local clock offset: 2.747 ms
Remote clock offset: -14.212 ms

Below is generated by plot.py at 2017-12-05 15:39:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.53 Mbit/s
95th percentile per-packet one-way delay: 37.194 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 92.53 Mbit/s
95th percentile per-packet one-way delay: 37.194 ms
Loss rate: 0.12%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2017-12-05 09:49:52
End at: 2017-12-05 09:50:22
Local clock offset: 7.711 ms
Remote clock offset: -12.684 ms

Below is generated by plot.py at 2017-12-05 15:39:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.74 Mbit/s

95th percentile per-packet one-way delay: 47.099 ms

Loss rate: 0.13%

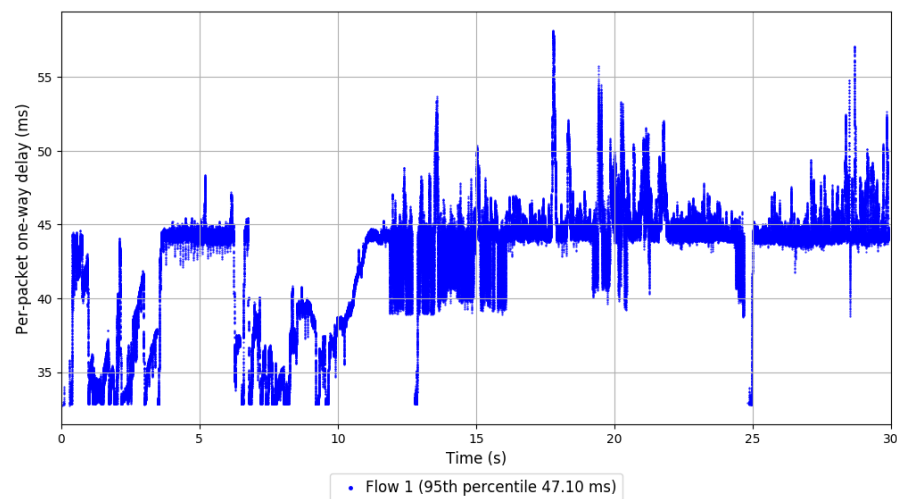
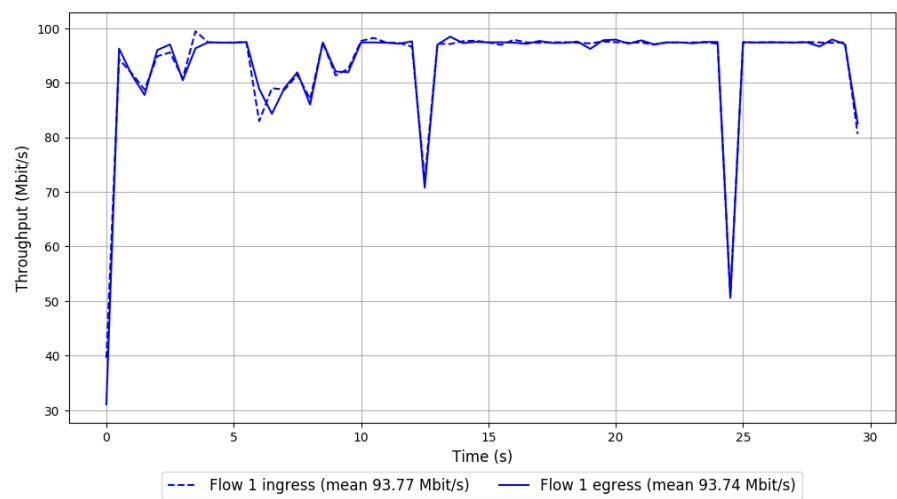
-- Flow 1:

Average throughput: 93.74 Mbit/s

95th percentile per-packet one-way delay: 47.099 ms

Loss rate: 0.13%

Run 1: Report of QUIC Cubic — Data Link

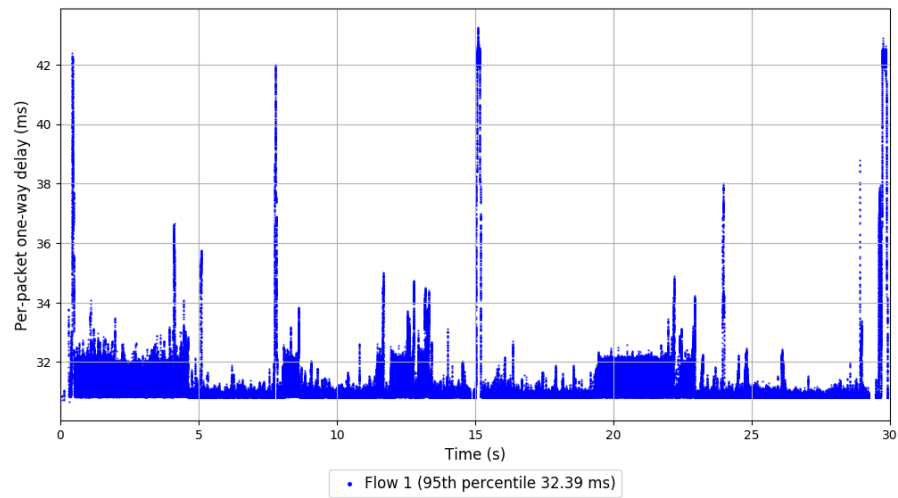
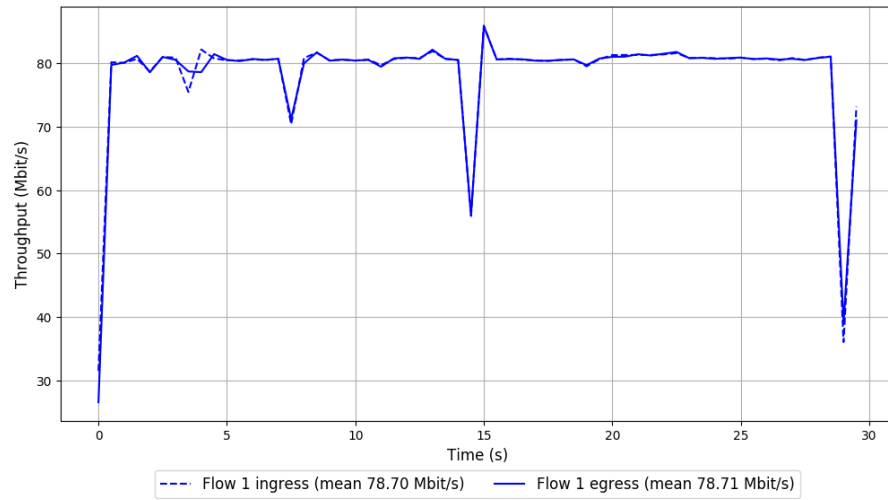


Run 2: Statistics of QUIC Cubic

Start at: 2017-12-05 10:07:27
End at: 2017-12-05 10:07:57
Local clock offset: 5.616 ms
Remote clock offset: -12.812 ms

Below is generated by plot.py at 2017-12-05 15:39:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.71 Mbit/s
95th percentile per-packet one-way delay: 32.393 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 78.71 Mbit/s
95th percentile per-packet one-way delay: 32.393 ms
Loss rate: 0.09%

Run 2: Report of QUIC Cubic — Data Link

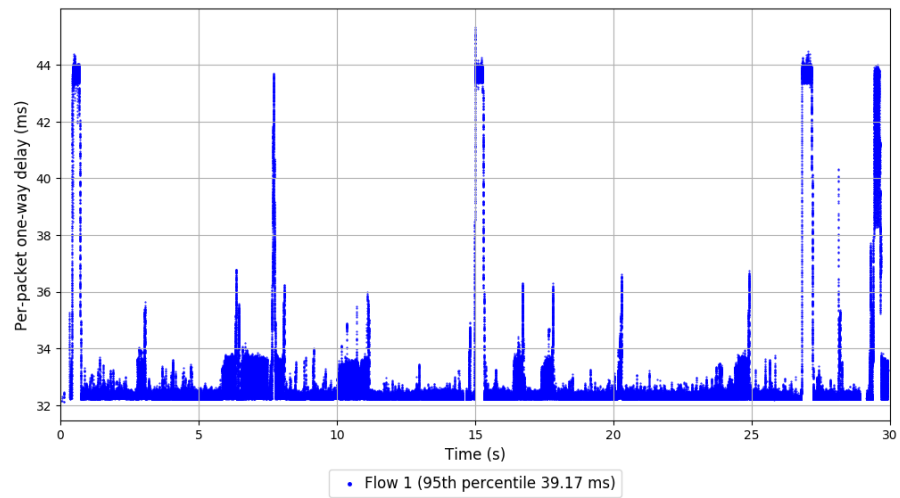
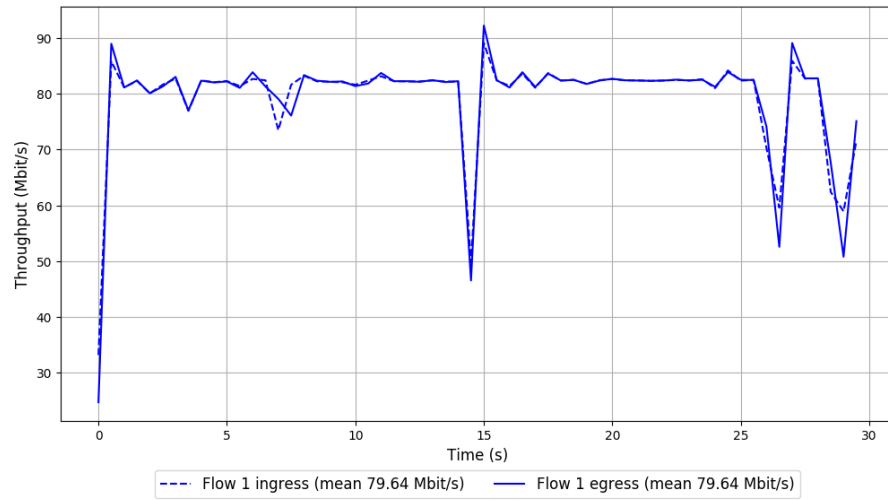


Run 3: Statistics of QUIC Cubic

Start at: 2017-12-05 10:24:58
End at: 2017-12-05 10:25:28
Local clock offset: 8.321 ms
Remote clock offset: -12.059 ms

Below is generated by plot.py at 2017-12-05 15:39:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.64 Mbit/s
95th percentile per-packet one-way delay: 39.173 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 79.64 Mbit/s
95th percentile per-packet one-way delay: 39.173 ms
Loss rate: 0.10%

Run 3: Report of QUIC Cubic — Data Link

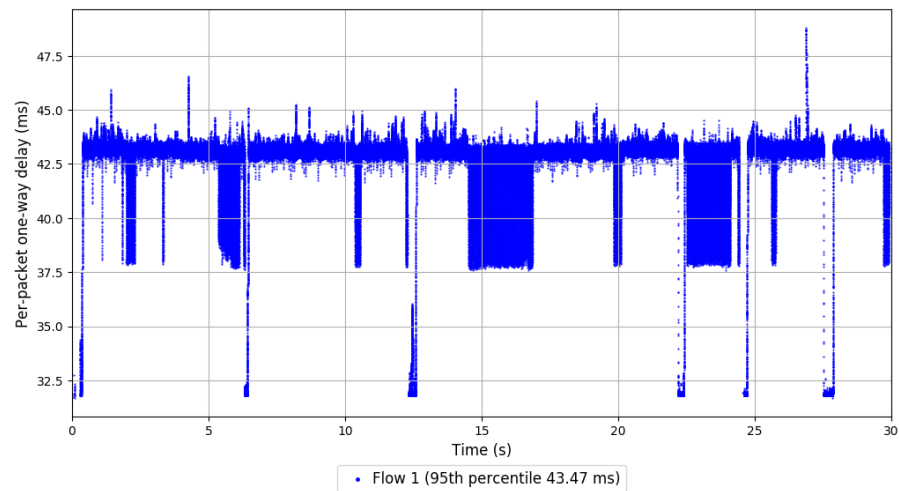
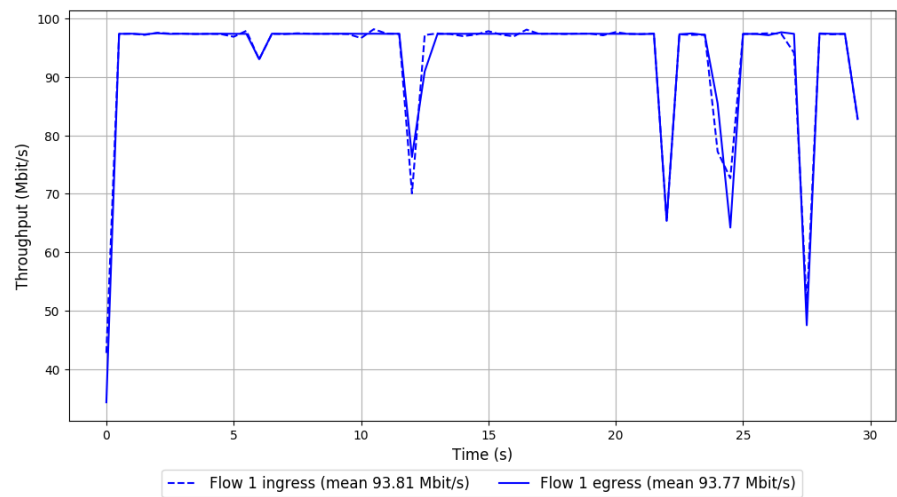


Run 4: Statistics of QUIC Cubic

Start at: 2017-12-05 10:42:20
End at: 2017-12-05 10:42:50
Local clock offset: 10.636 ms
Remote clock offset: -11.129 ms

Below is generated by plot.py at 2017-12-05 15:39:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.77 Mbit/s
95th percentile per-packet one-way delay: 43.470 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 93.77 Mbit/s
95th percentile per-packet one-way delay: 43.470 ms
Loss rate: 0.15%

Run 4: Report of QUIC Cubic — Data Link

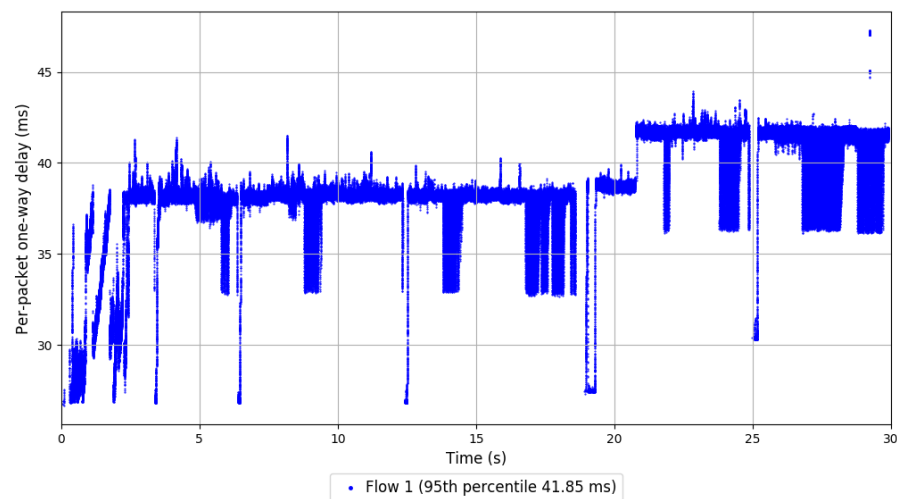
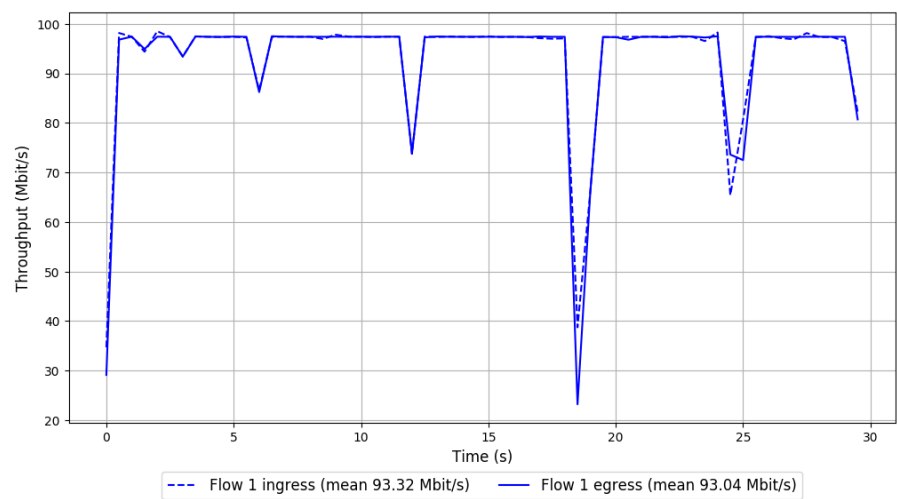


Run 5: Statistics of QUIC Cubic

Start at: 2017-12-05 10:59:35
End at: 2017-12-05 11:00:05
Local clock offset: 6.428 ms
Remote clock offset: -10.349 ms

Below is generated by plot.py at 2017-12-05 15:39:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.04 Mbit/s
95th percentile per-packet one-way delay: 41.846 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 93.04 Mbit/s
95th percentile per-packet one-way delay: 41.846 ms
Loss rate: 0.41%

Run 5: Report of QUIC Cubic — Data Link

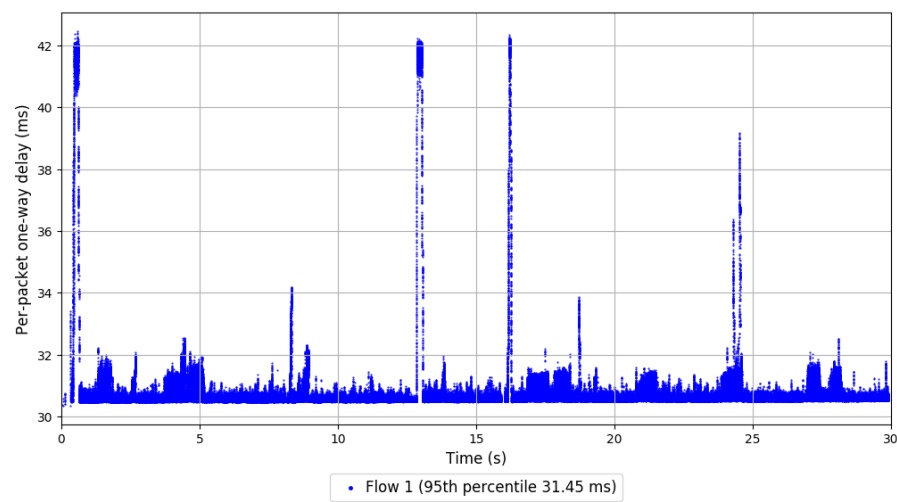
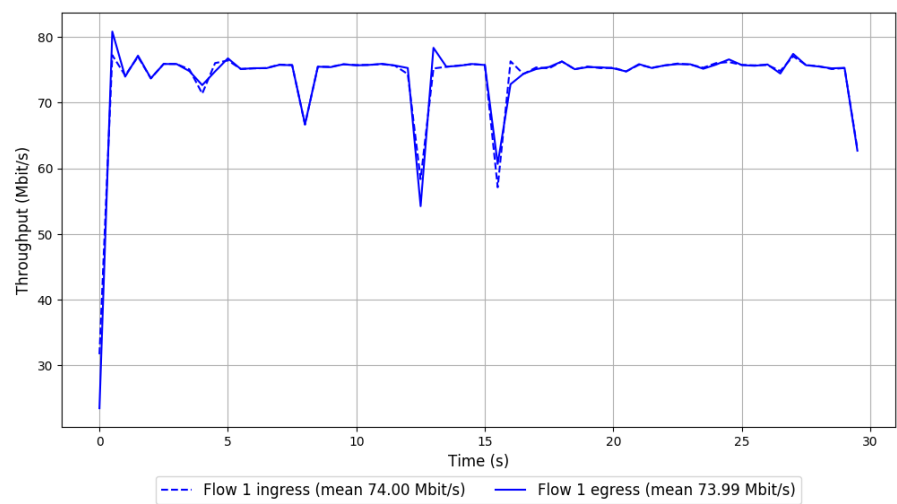


Run 6: Statistics of QUIC Cubic

Start at: 2017-12-05 11:16:33
End at: 2017-12-05 11:17:03
Local clock offset: 7.986 ms
Remote clock offset: -10.092 ms

Below is generated by plot.py at 2017-12-05 15:40:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.99 Mbit/s
95th percentile per-packet one-way delay: 31.448 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 73.99 Mbit/s
95th percentile per-packet one-way delay: 31.448 ms
Loss rate: 0.11%

Run 6: Report of QUIC Cubic — Data Link

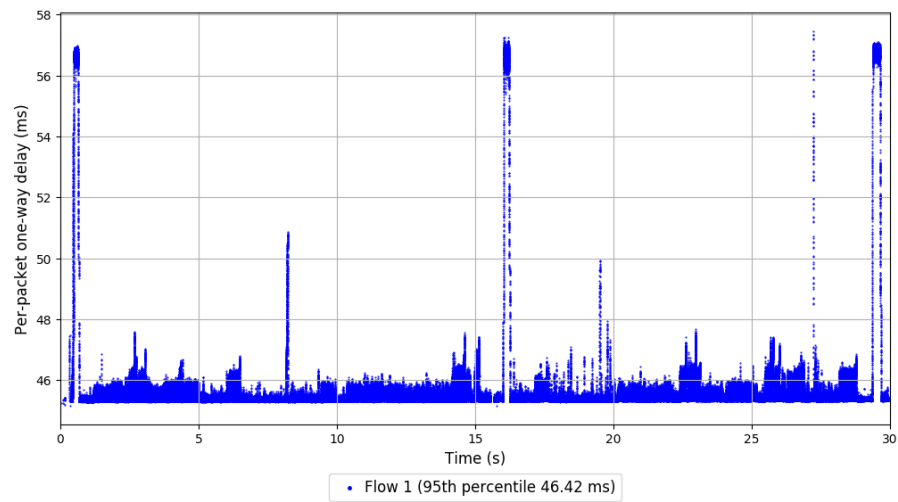
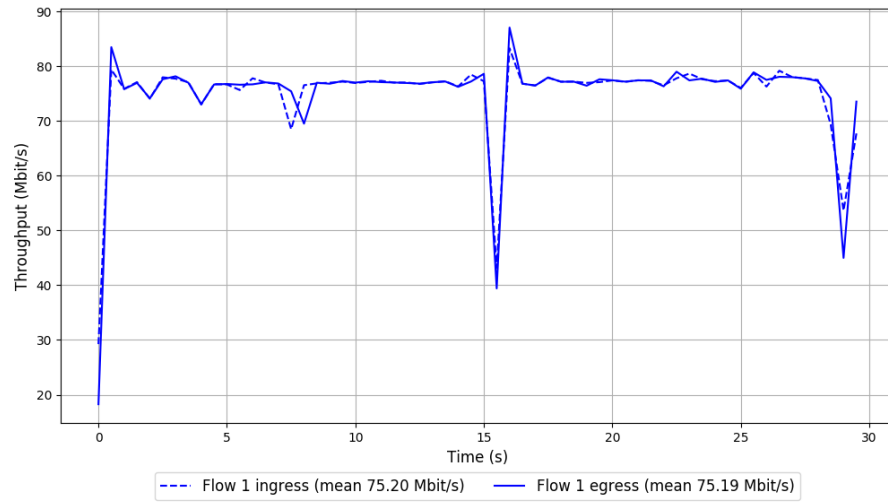


Run 7: Statistics of QUIC Cubic

Start at: 2017-12-05 11:33:45
End at: 2017-12-05 11:34:15
Local clock offset: 5.164 ms
Remote clock offset: -28.124 ms

Below is generated by plot.py at 2017-12-05 15:40:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.19 Mbit/s
95th percentile per-packet one-way delay: 46.422 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 75.19 Mbit/s
95th percentile per-packet one-way delay: 46.422 ms
Loss rate: 0.12%

Run 7: Report of QUIC Cubic — Data Link

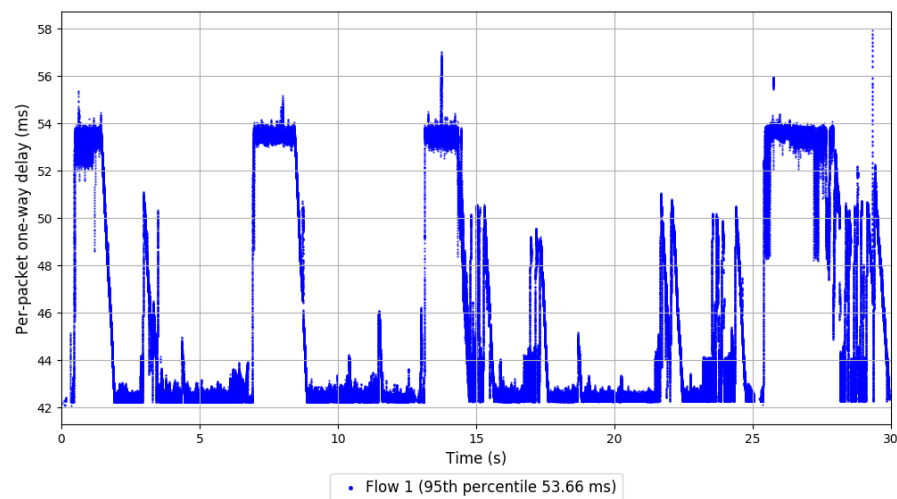
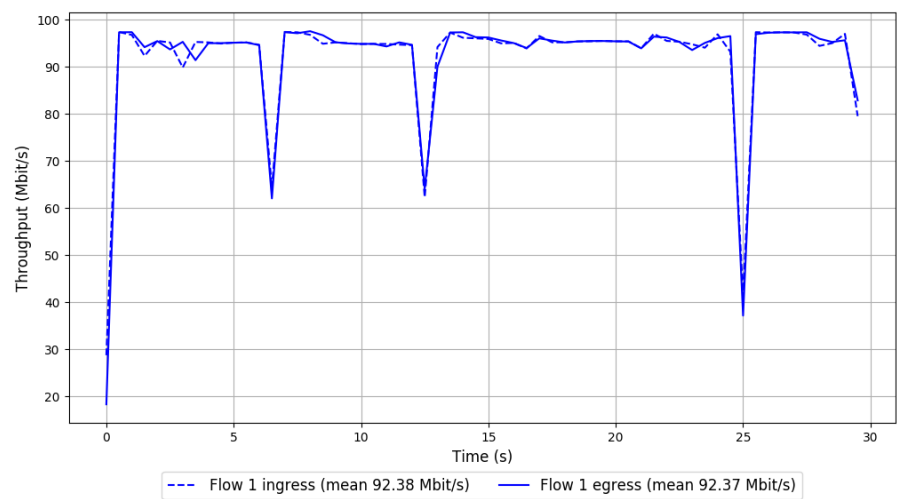


Run 8: Statistics of QUIC Cubic

Start at: 2017-12-05 11:51:23
End at: 2017-12-05 11:51:53
Local clock offset: 5.729 ms
Remote clock offset: -23.214 ms

Below is generated by plot.py at 2017-12-05 15:40:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.37 Mbit/s
95th percentile per-packet one-way delay: 53.659 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 92.37 Mbit/s
95th percentile per-packet one-way delay: 53.659 ms
Loss rate: 0.11%

Run 8: Report of QUIC Cubic — Data Link

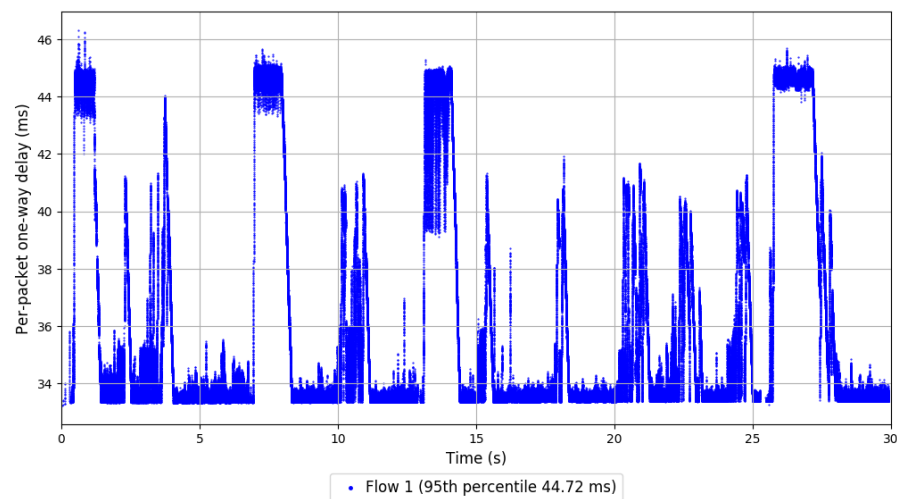
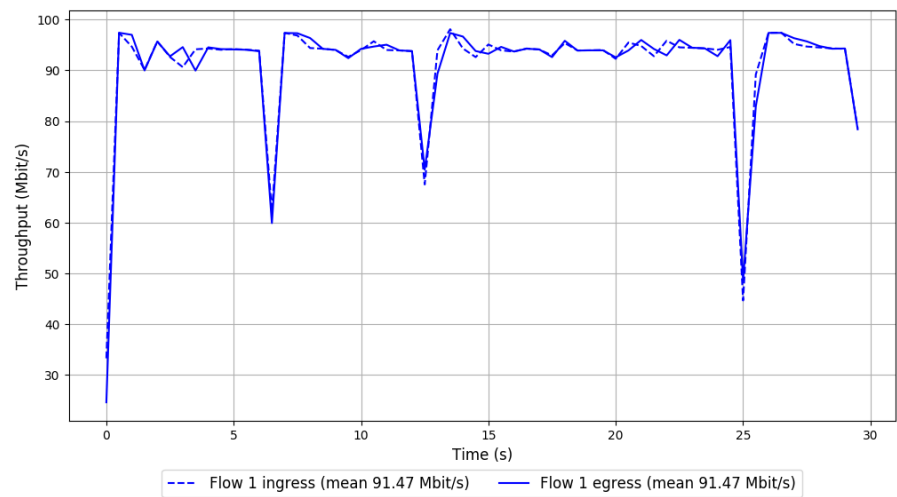


Run 9: Statistics of QUIC Cubic

Start at: 2017-12-05 12:08:28
End at: 2017-12-05 12:08:58
Local clock offset: 3.344 ms
Remote clock offset: -13.291 ms

Below is generated by plot.py at 2017-12-05 15:40:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.47 Mbit/s
95th percentile per-packet one-way delay: 44.722 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 91.47 Mbit/s
95th percentile per-packet one-way delay: 44.722 ms
Loss rate: 0.12%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2017-12-05 12:25:48

End at: 2017-12-05 12:26:18

Local clock offset: 3.78 ms

Remote clock offset: -13.387 ms

Below is generated by plot.py at 2017-12-05 15:40:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.88 Mbit/s

95th percentile per-packet one-way delay: 35.939 ms

Loss rate: 0.19%

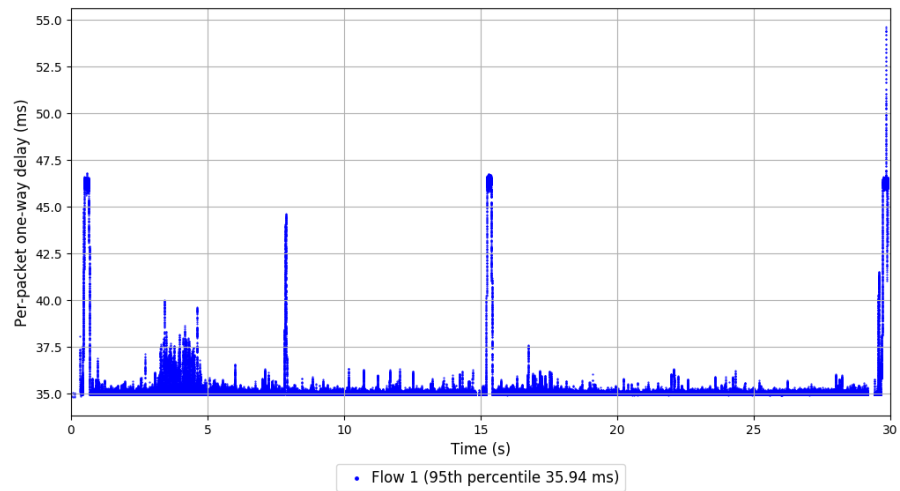
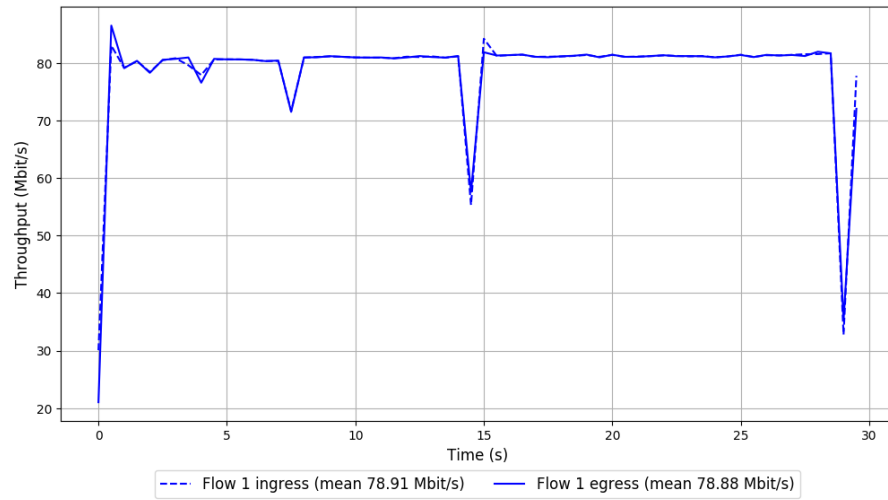
-- Flow 1:

Average throughput: 78.88 Mbit/s

95th percentile per-packet one-way delay: 35.939 ms

Loss rate: 0.19%

Run 10: Report of QUIC Cubic — Data Link

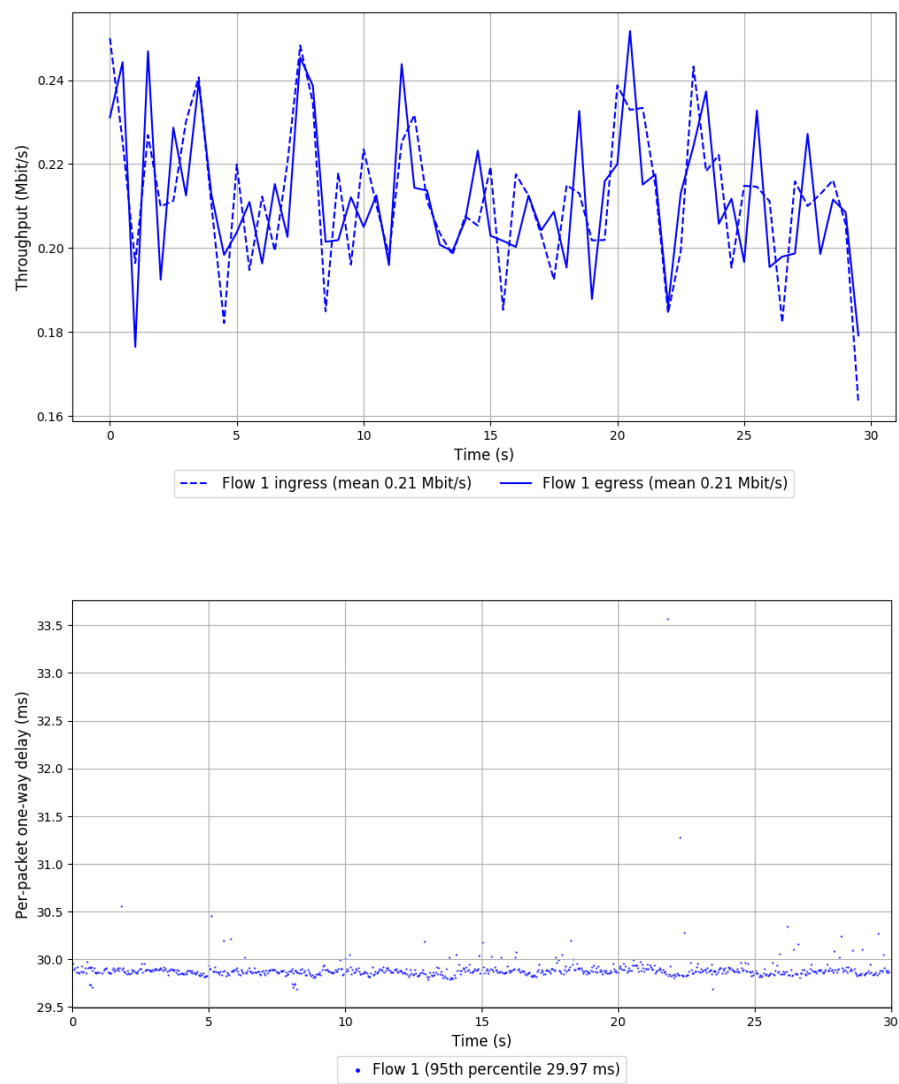


Run 1: Statistics of SCReAM

Start at: 2017-12-05 09:48:47
End at: 2017-12-05 09:49:18
Local clock offset: 4.929 ms
Remote clock offset: -12.442 ms

Below is generated by plot.py at 2017-12-05 15:40:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 29.968 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 29.968 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

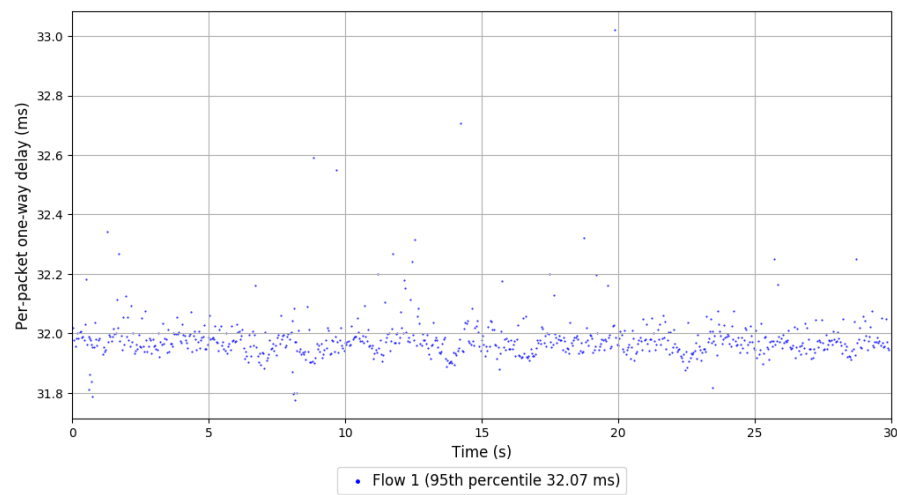
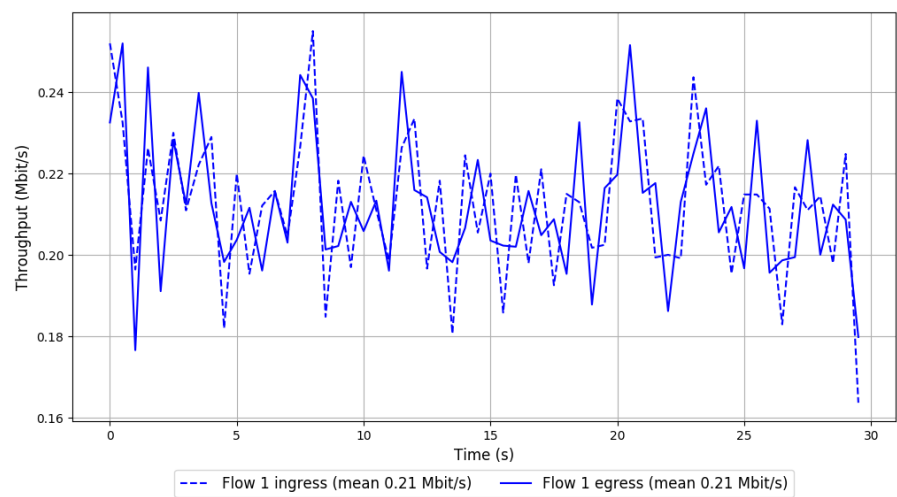


Run 2: Statistics of SCReAM

Start at: 2017-12-05 10:06:22
End at: 2017-12-05 10:06:52
Local clock offset: 7.093 ms
Remote clock offset: -12.397 ms

Below is generated by plot.py at 2017-12-05 15:40:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 32.072 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 32.072 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

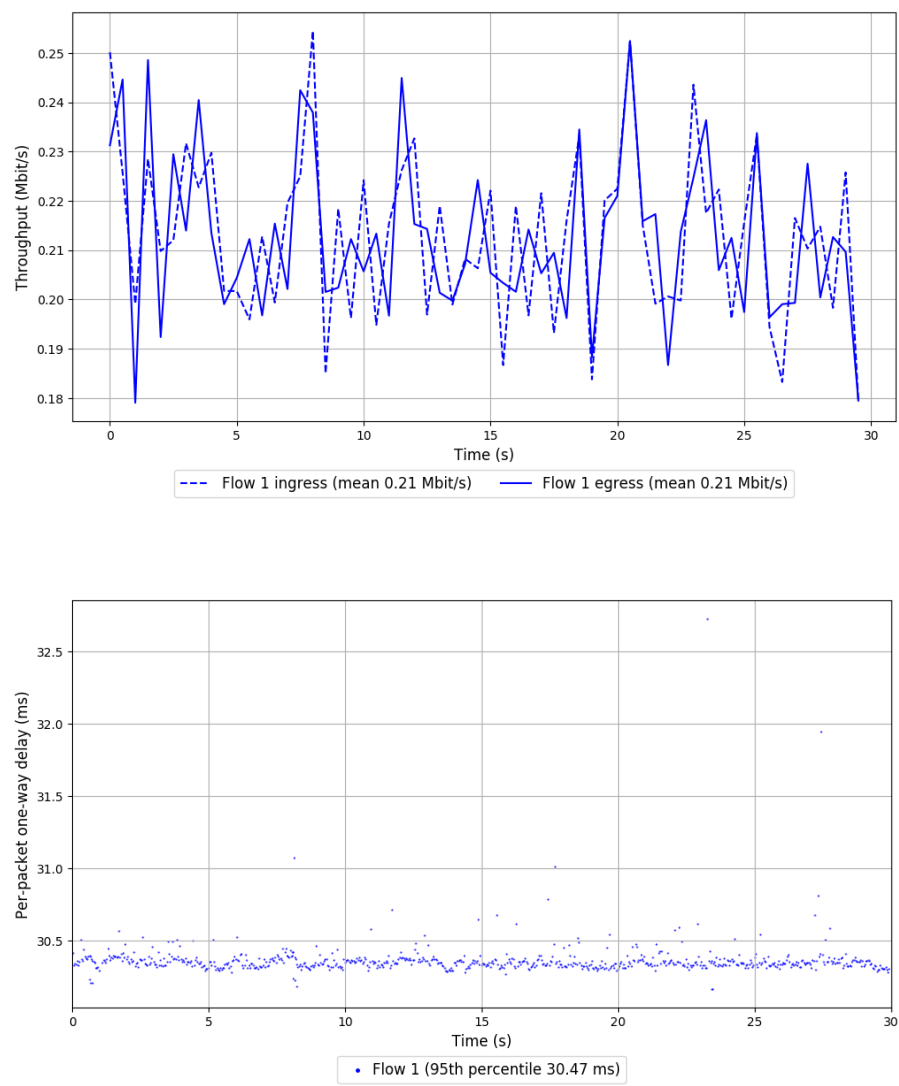


Run 3: Statistics of SCReAM

Start at: 2017-12-05 10:23:53
End at: 2017-12-05 10:24:23
Local clock offset: 6.394 ms
Remote clock offset: -12.029 ms

Below is generated by plot.py at 2017-12-05 15:40:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.474 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.474 ms
Loss rate: 0.13%

Run 3: Report of SReAM — Data Link

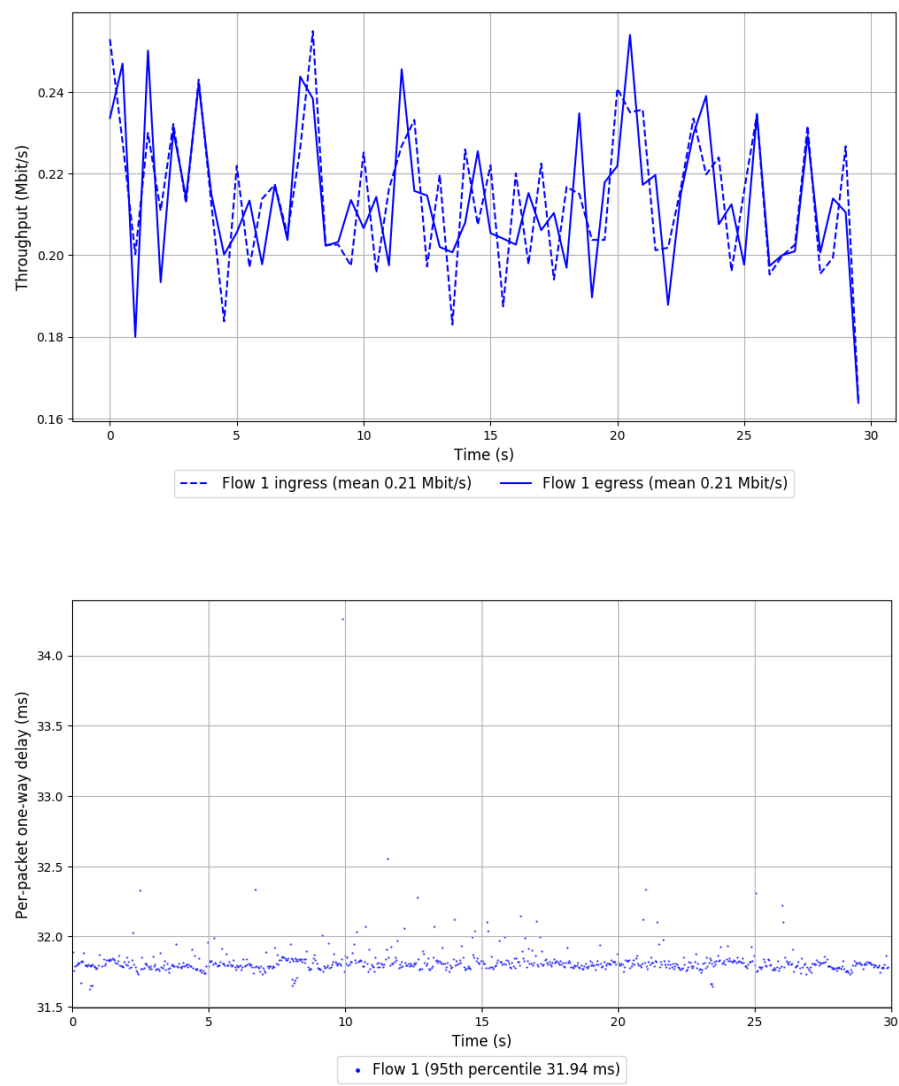


Run 4: Statistics of SCReAM

Start at: 2017-12-05 10:41:14
End at: 2017-12-05 10:41:45
Local clock offset: 9.202 ms
Remote clock offset: -12.527 ms

Below is generated by plot.py at 2017-12-05 15:40:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.936 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.936 ms
Loss rate: 0.13%

Run 4: Report of SCRaM — Data Link

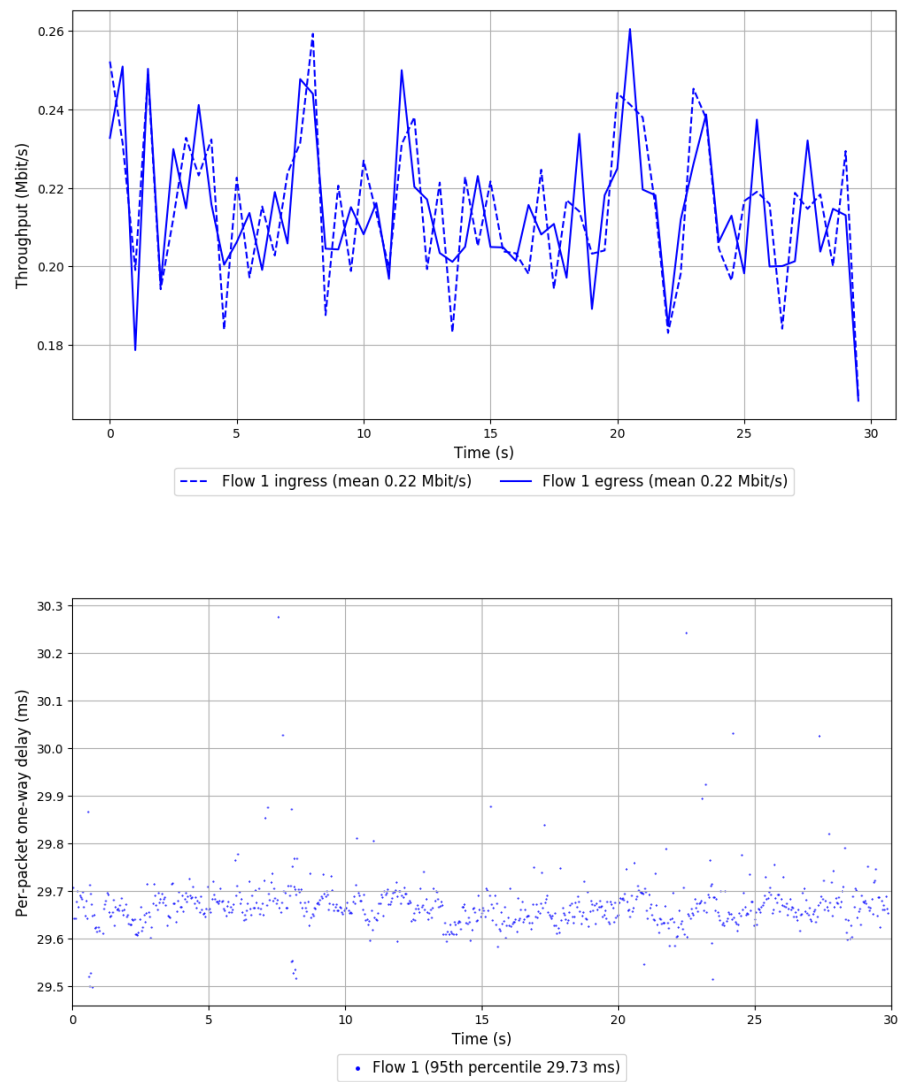


Run 5: Statistics of SCReAM

Start at: 2017-12-05 10:58:31
End at: 2017-12-05 10:59:01
Local clock offset: 8.945 ms
Remote clock offset: -10.583 ms

Below is generated by plot.py at 2017-12-05 15:40:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.735 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.735 ms
Loss rate: 0.13%

Run 5: Report of SReAM — Data Link

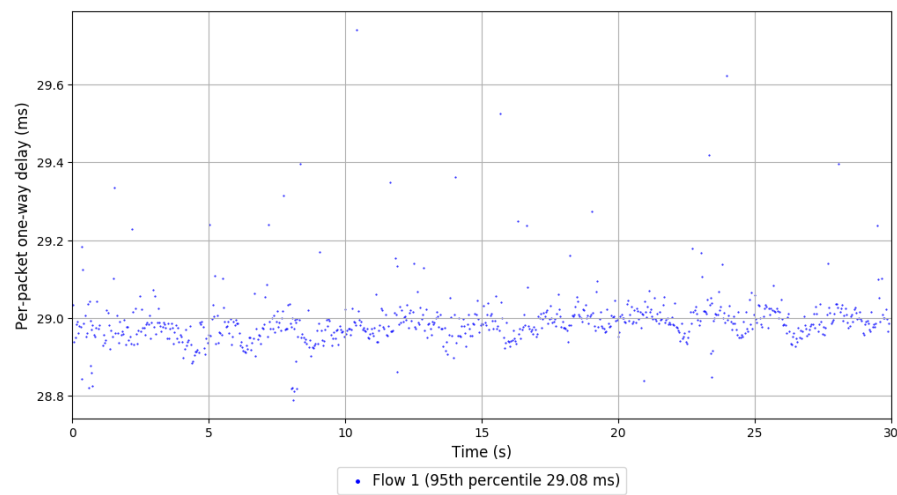
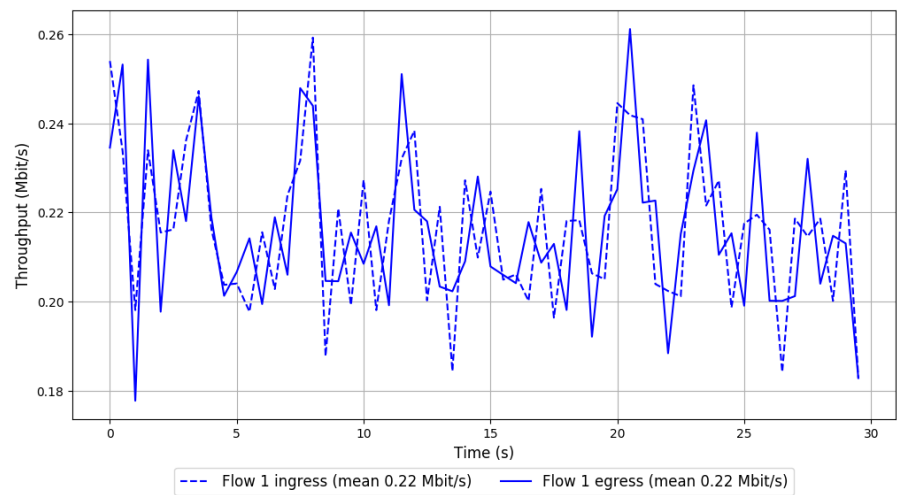


Run 6: Statistics of SCReAM

Start at: 2017-12-05 11:15:29
End at: 2017-12-05 11:15:59
Local clock offset: 6.435 ms
Remote clock offset: -10.193 ms

Below is generated by plot.py at 2017-12-05 15:40:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.079 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.079 ms
Loss rate: 0.13%

Run 6: Report of SReAM — Data Link

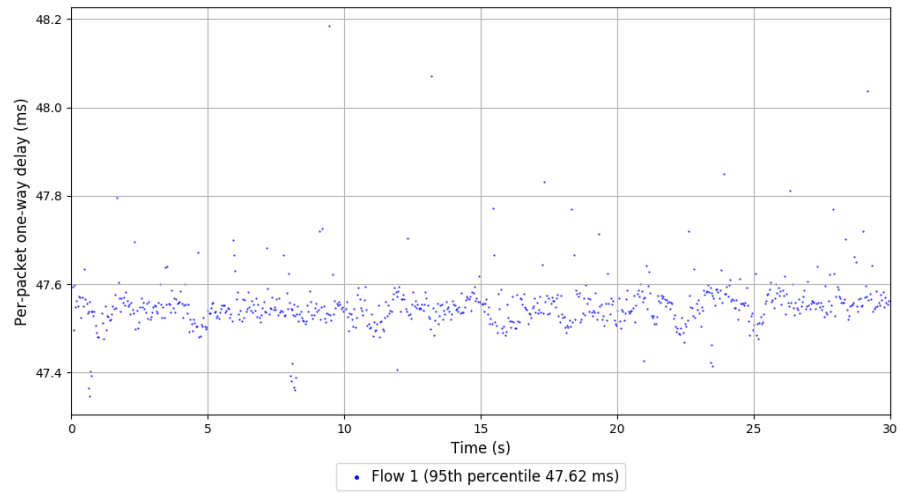
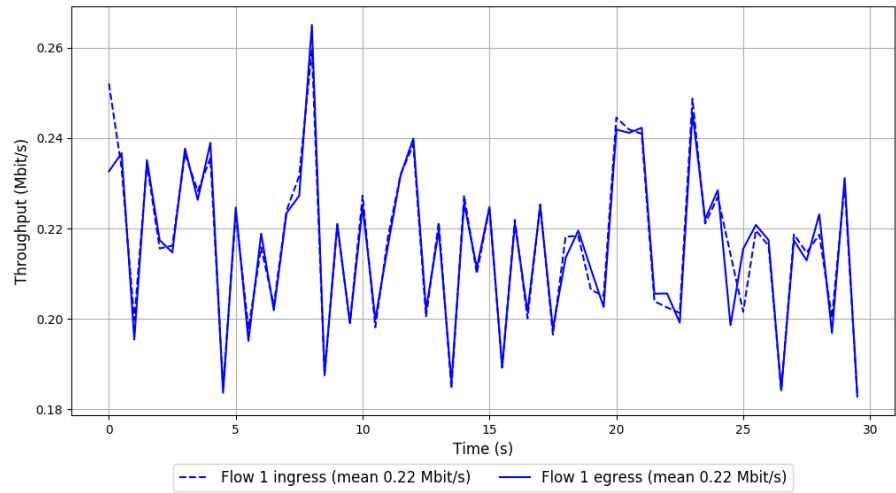


Run 7: Statistics of SCReAM

Start at: 2017-12-05 11:32:40
End at: 2017-12-05 11:33:11
Local clock offset: 7.809 ms
Remote clock offset: -27.731 ms

Below is generated by plot.py at 2017-12-05 15:40:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.623 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.623 ms
Loss rate: 0.13%

Run 7: Report of SReAM — Data Link

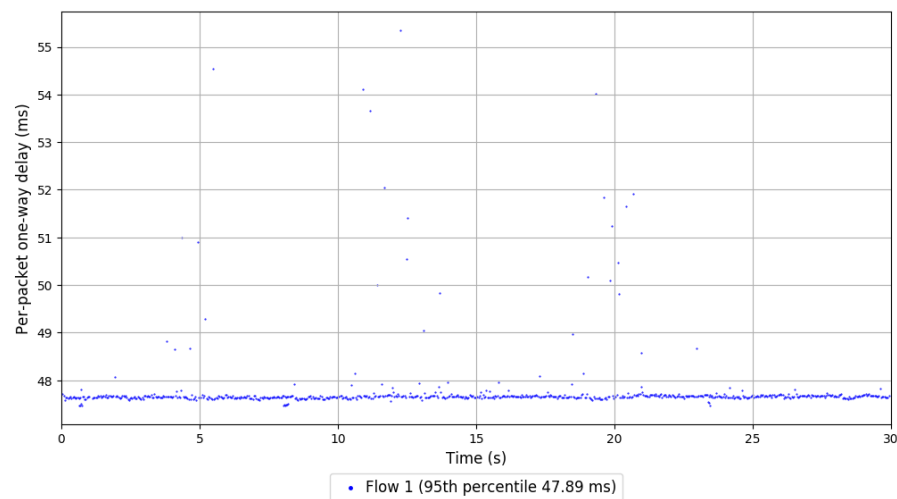
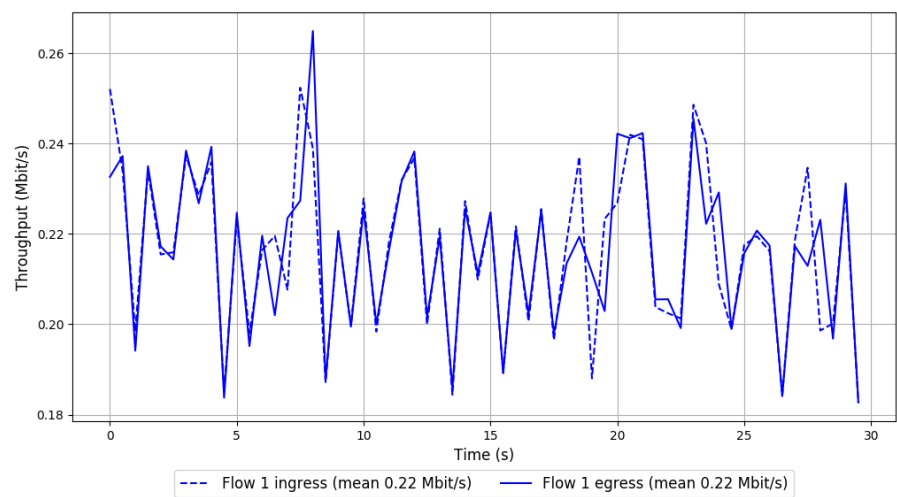


Run 8: Statistics of SCReAM

Start at: 2017-12-05 11:50:18
End at: 2017-12-05 11:50:48
Local clock offset: 6.384 ms
Remote clock offset: -27.989 ms

Below is generated by plot.py at 2017-12-05 15:40:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.892 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.892 ms
Loss rate: 0.13%

Run 8: Report of SReAM — Data Link

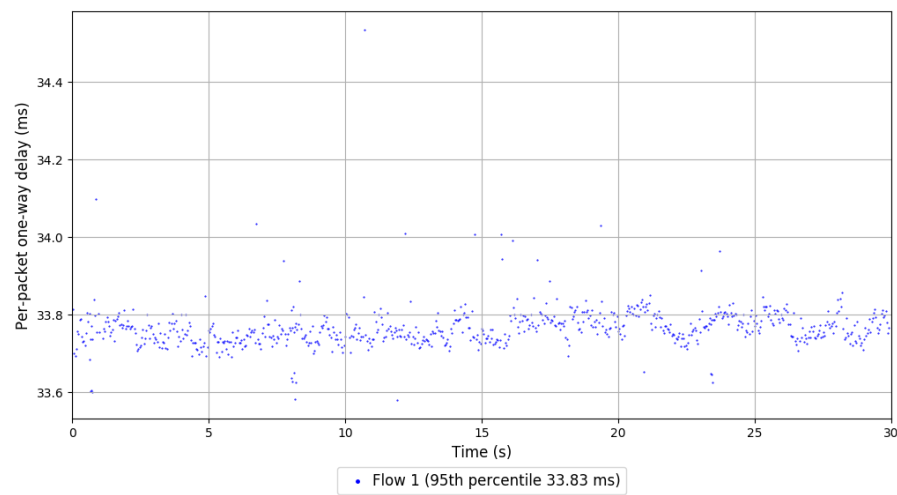
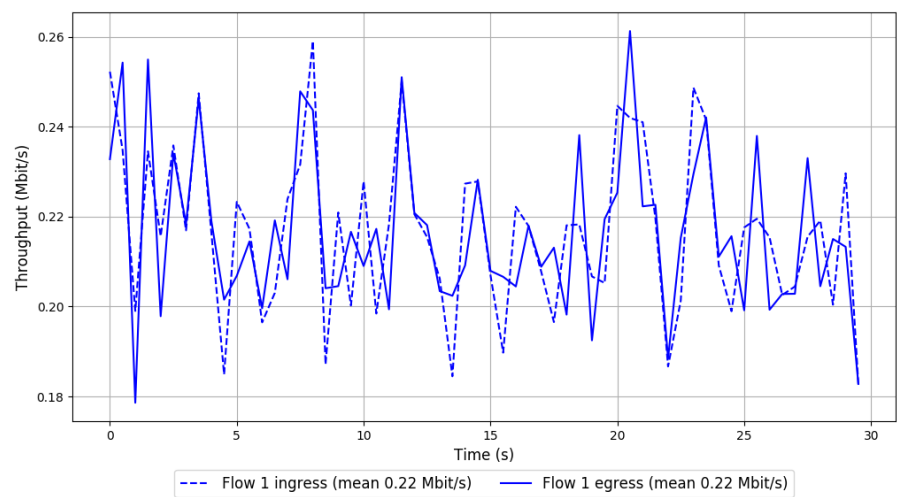


Run 9: Statistics of SCReAM

Start at: 2017-12-05 12:07:22
End at: 2017-12-05 12:07:52
Local clock offset: 3.624 ms
Remote clock offset: -13.477 ms

Below is generated by plot.py at 2017-12-05 15:40:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.825 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.825 ms
Loss rate: 0.13%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2017-12-05 12:24:43

End at: 2017-12-05 12:25:13

Local clock offset: 3.291 ms

Remote clock offset: -13.79 ms

Below is generated by plot.py at 2017-12-05 15:40:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 35.115 ms

Loss rate: 0.13%

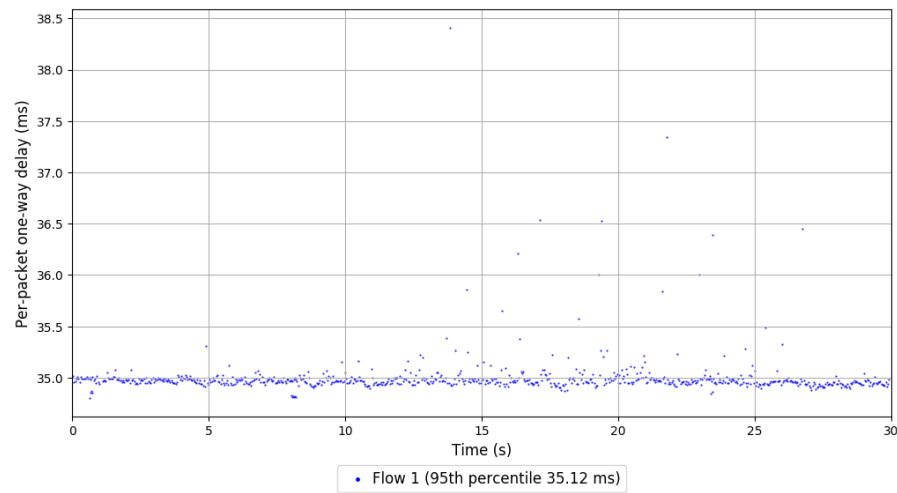
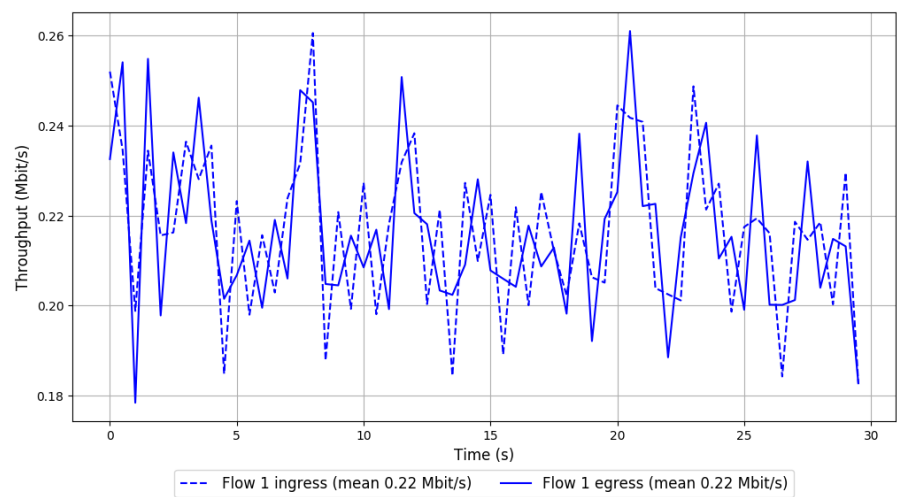
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 35.115 ms

Loss rate: 0.13%

Run 10: Report of SReAM — Data Link

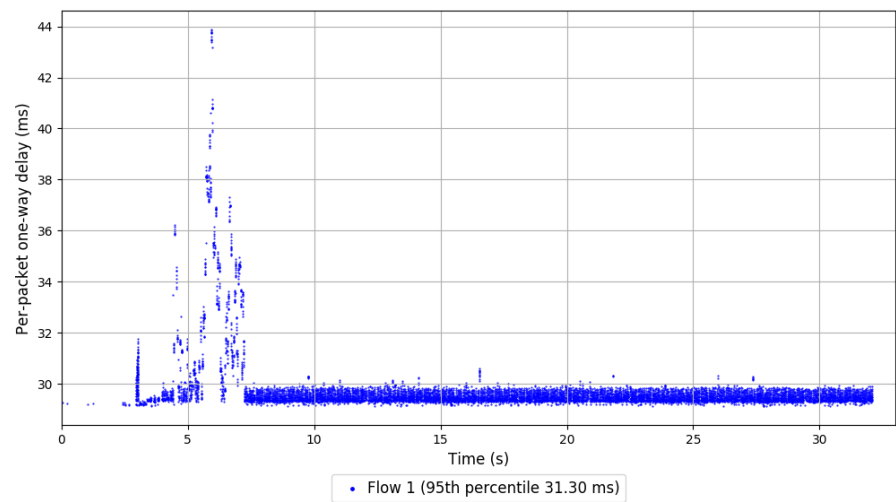
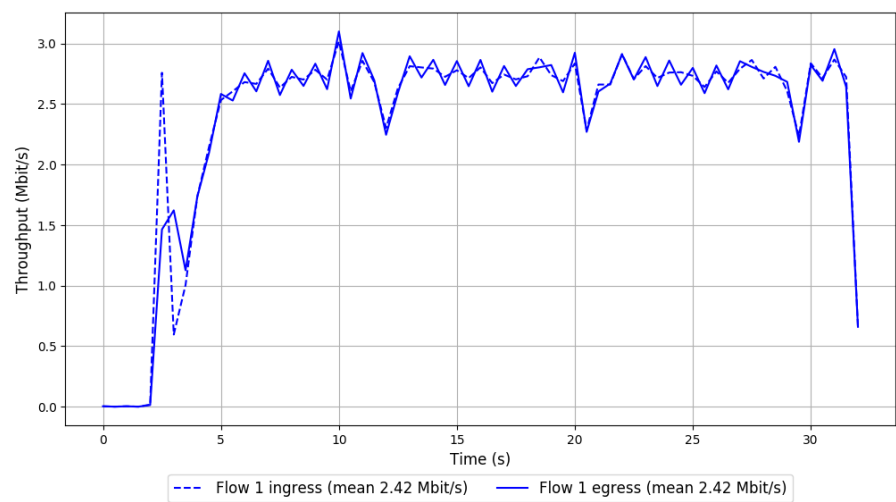


Run 1: Statistics of WebRTC media

Start at: 2017-12-05 09:47:43
End at: 2017-12-05 09:48:13
Local clock offset: 4.773 ms
Remote clock offset: -12.056 ms

Below is generated by plot.py at 2017-12-05 15:40:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 31.299 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 31.299 ms
Loss rate: 0.15%

Run 1: Report of WebRTC media — Data Link

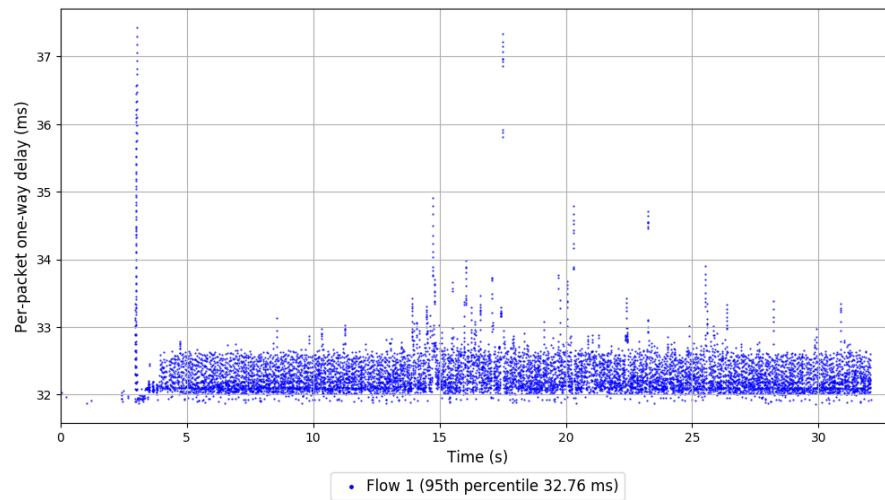
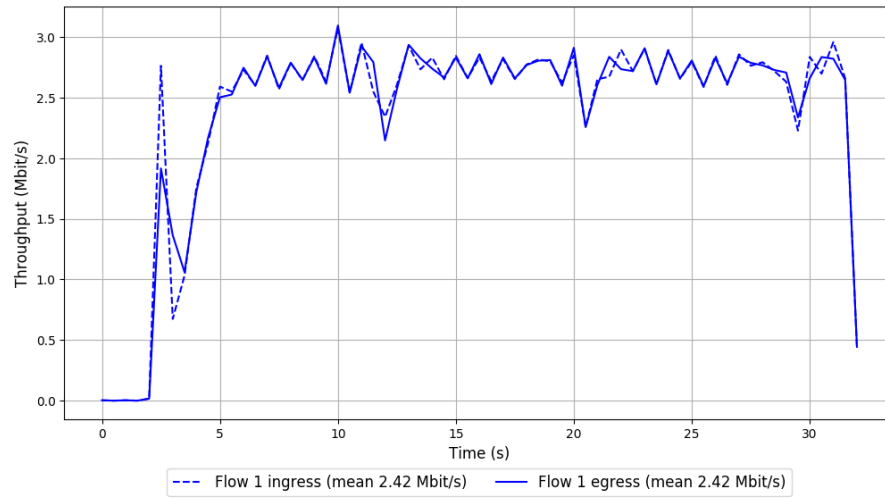


Run 2: Statistics of WebRTC media

Start at: 2017-12-05 10:05:17
End at: 2017-12-05 10:05:47
Local clock offset: 7.738 ms
Remote clock offset: -11.853 ms

Below is generated by plot.py at 2017-12-05 15:40:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 32.762 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 32.762 ms
Loss rate: 0.14%

Run 2: Report of WebRTC media — Data Link

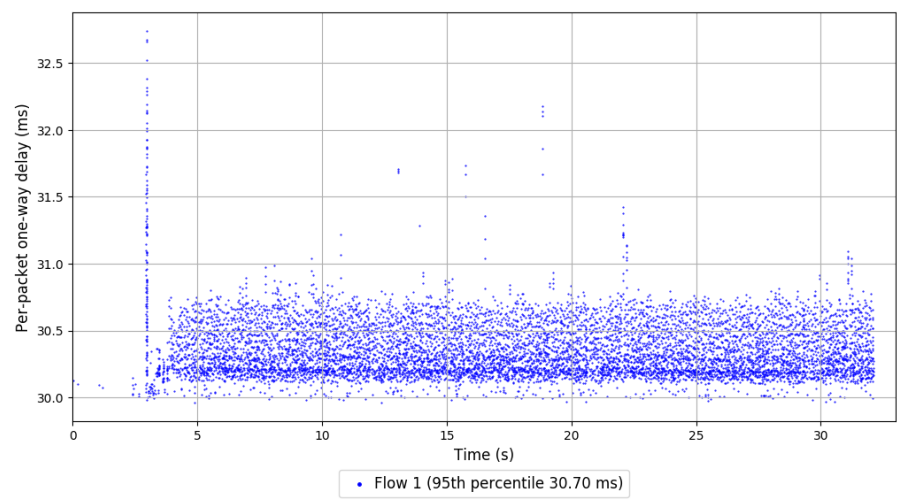
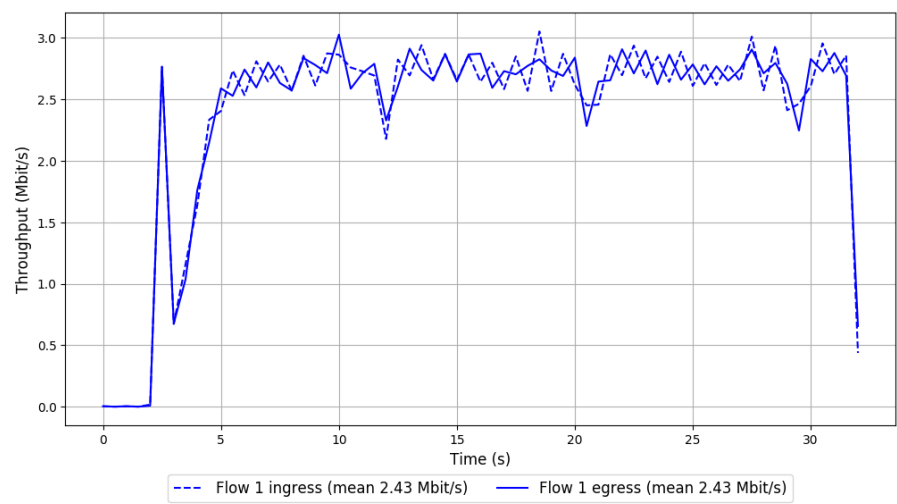


Run 3: Statistics of WebRTC media

Start at: 2017-12-05 10:22:48
End at: 2017-12-05 10:23:18
Local clock offset: 6.382 ms
Remote clock offset: -11.851 ms

Below is generated by plot.py at 2017-12-05 15:40:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 30.698 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 30.698 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

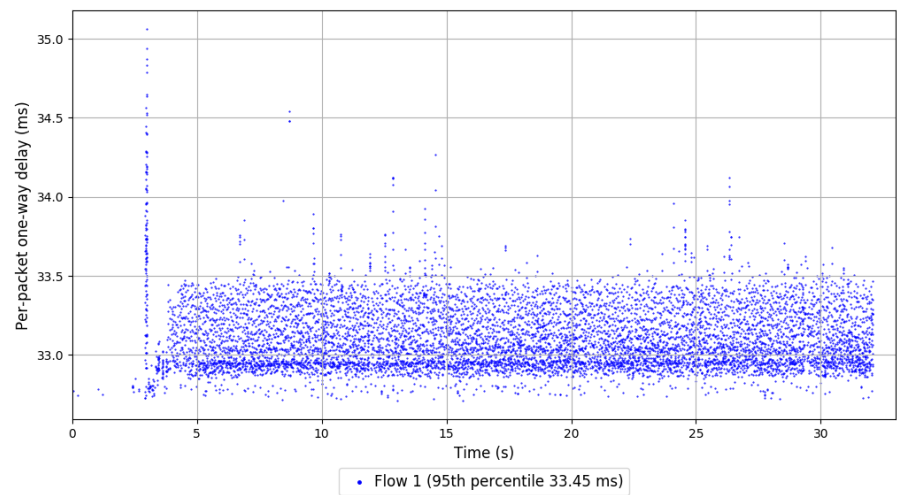
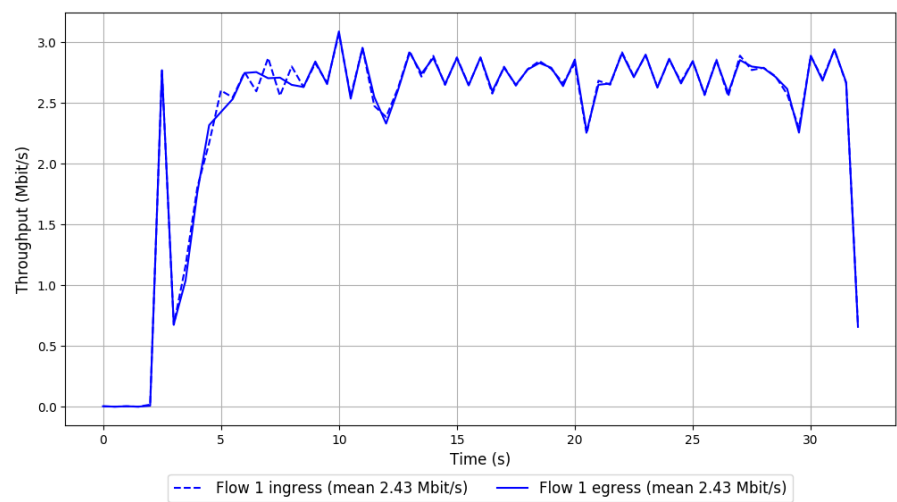


Run 4: Statistics of WebRTC media

Start at: 2017-12-05 10:40:09
End at: 2017-12-05 10:40:39
Local clock offset: 4.708 ms
Remote clock offset: -18.159 ms

Below is generated by plot.py at 2017-12-05 15:40:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 33.447 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 33.447 ms
Loss rate: 0.15%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

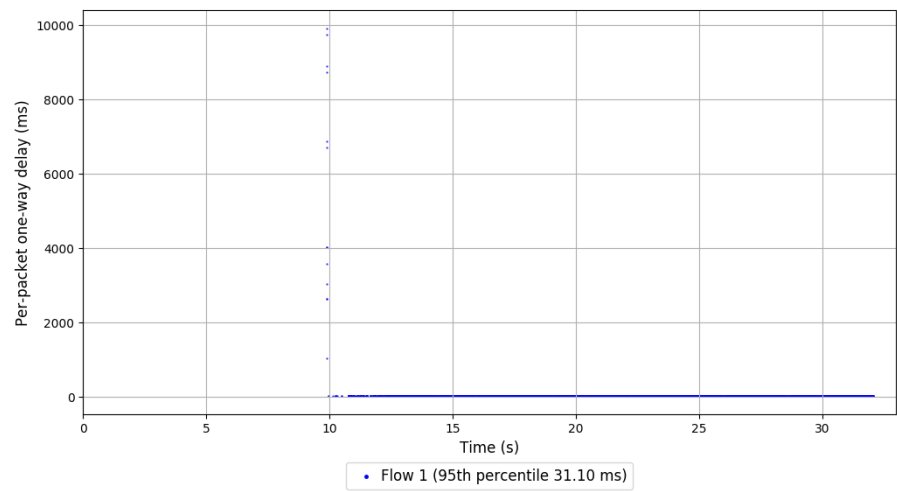
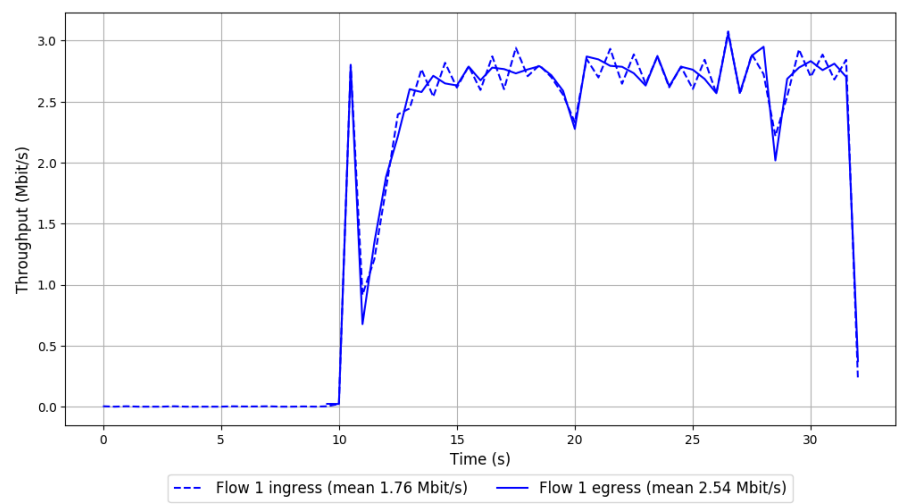
Start at: 2017-12-05 10:57:26

End at: 2017-12-05 10:57:56

Local clock offset: 8.36 ms

Remote clock offset: -12.078 ms

Run 5: Report of WebRTC media — Data Link

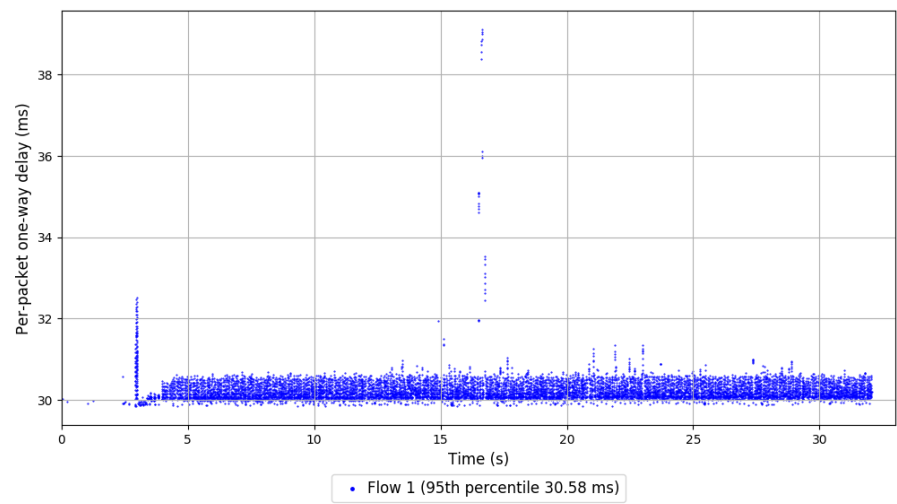
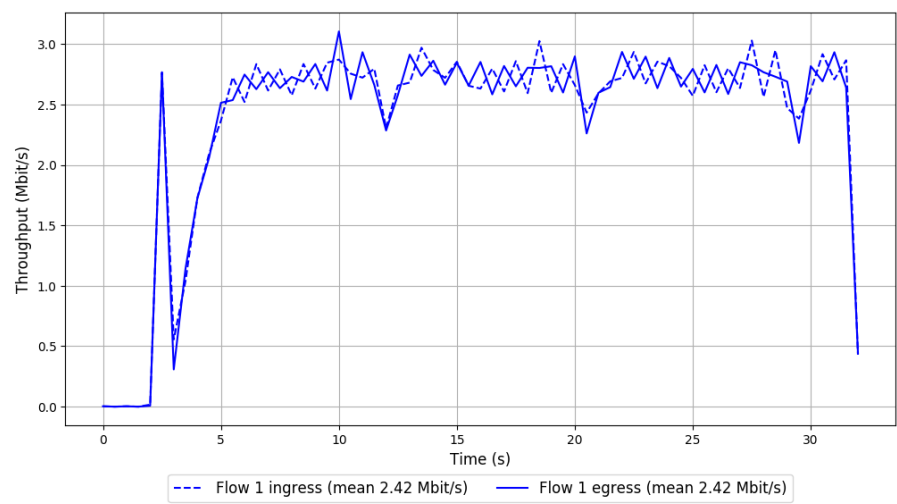


Run 6: Statistics of WebRTC media

Start at: 2017-12-05 11:14:23
End at: 2017-12-05 11:14:53
Local clock offset: 6.853 ms
Remote clock offset: -10.934 ms

Below is generated by plot.py at 2017-12-05 15:40:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 30.578 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 30.578 ms
Loss rate: 0.14%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

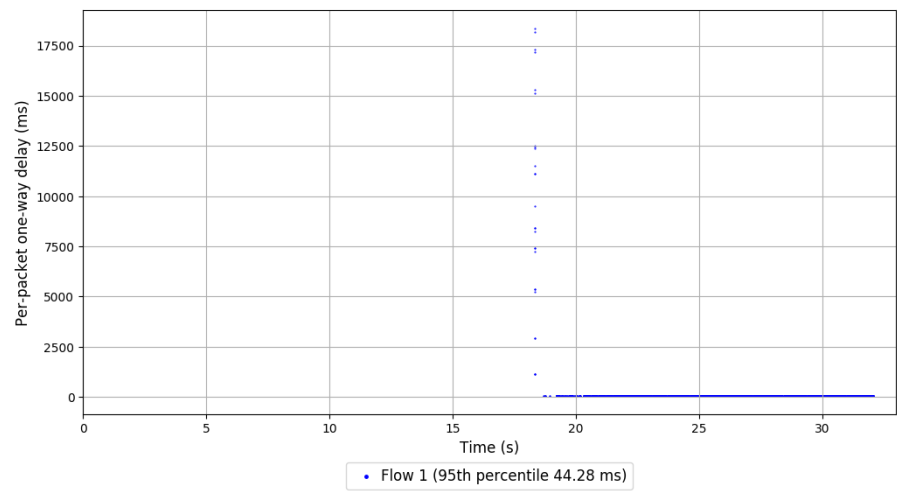
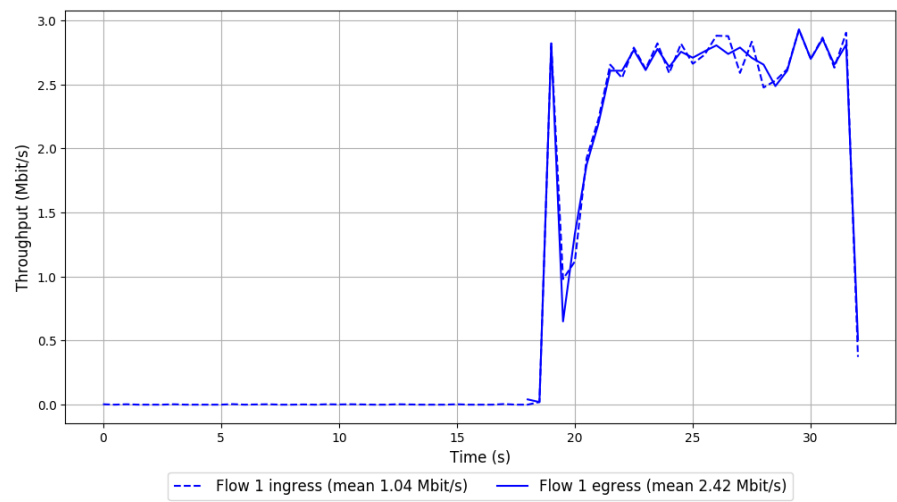
Start at: 2017-12-05 11:31:36

End at: 2017-12-05 11:32:06

Local clock offset: 5.054 ms

Remote clock offset: -26.752 ms

Run 7: Report of WebRTC media — Data Link

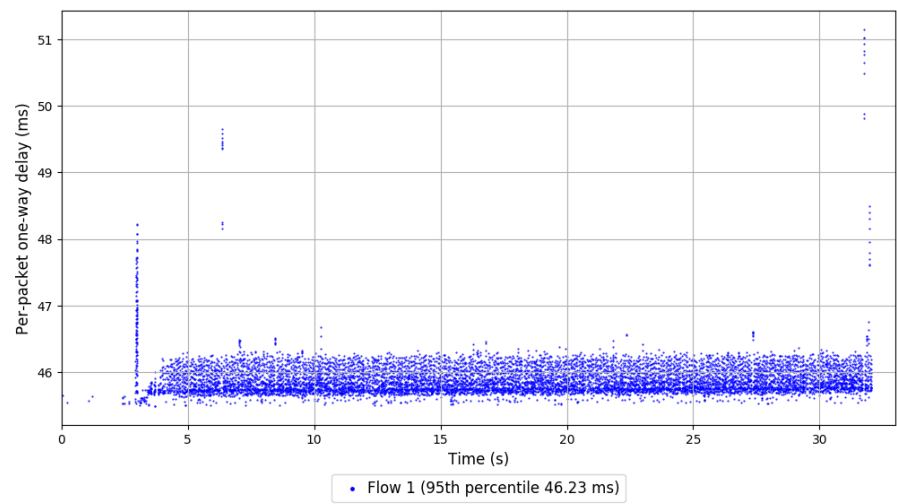
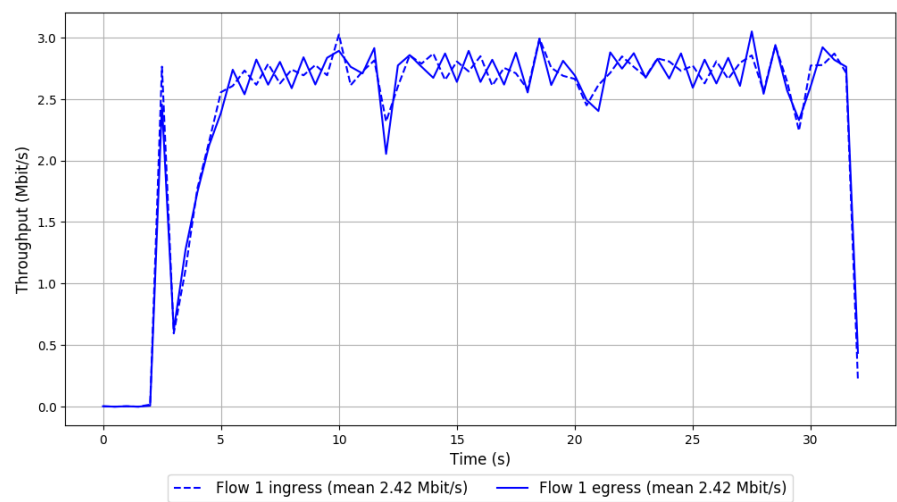


Run 8: Statistics of WebRTC media

Start at: 2017-12-05 11:49:12
End at: 2017-12-05 11:49:42
Local clock offset: 4.51 ms
Remote clock offset: -28.019 ms

Below is generated by plot.py at 2017-12-05 15:40:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 46.225 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 46.225 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

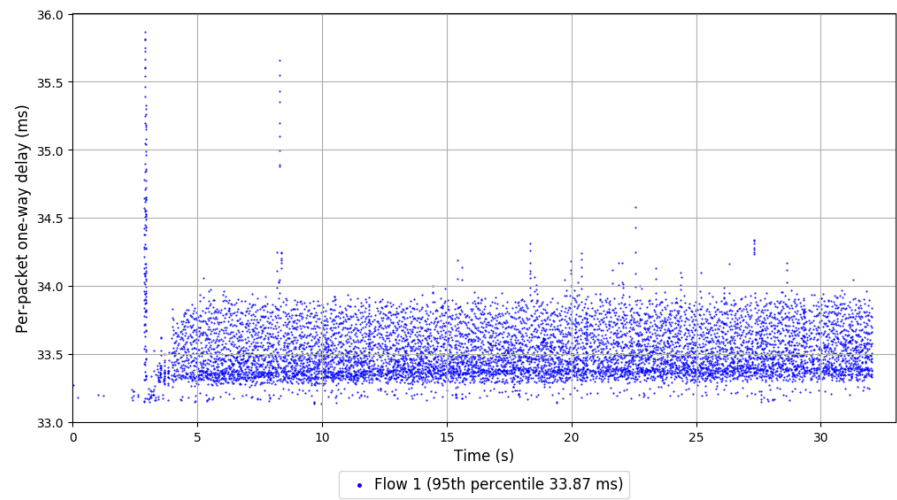
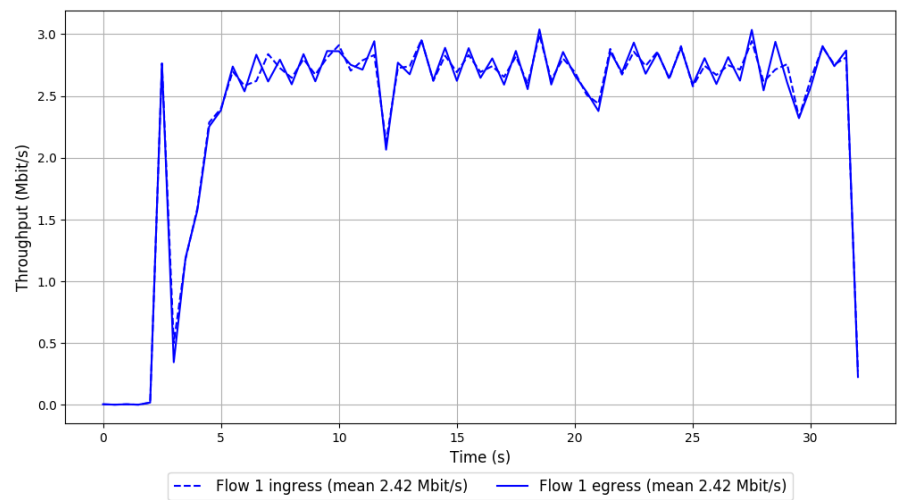


Run 9: Statistics of WebRTC media

Start at: 2017-12-05 12:06:16
End at: 2017-12-05 12:06:46
Local clock offset: 3.442 ms
Remote clock offset: -13.34 ms

Below is generated by plot.py at 2017-12-05 15:40:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 33.868 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 33.868 ms
Loss rate: 0.14%

Run 9: Report of WebRTC media — Data Link

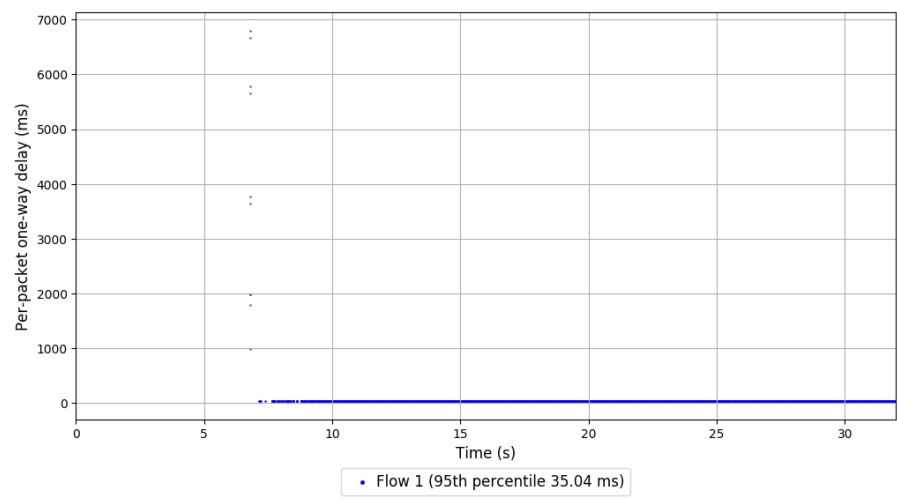
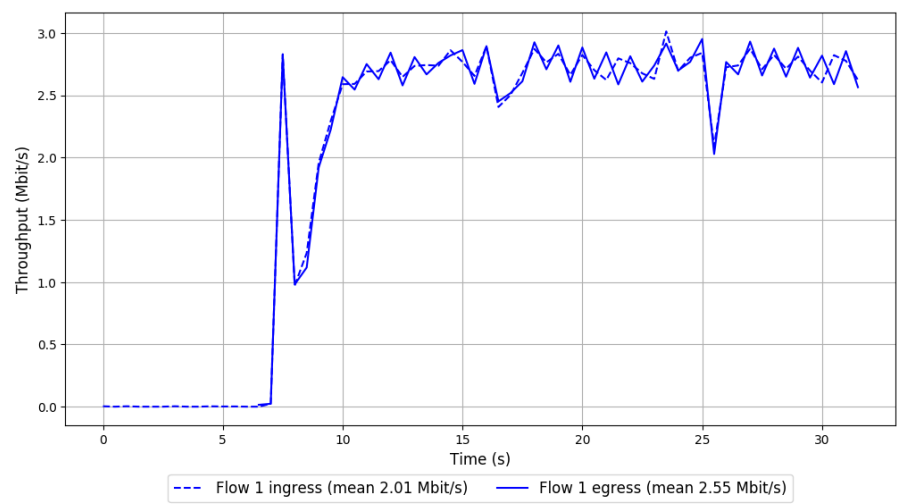


Run 10: Statistics of WebRTC media

Start at: 2017-12-05 12:23:38
End at: 2017-12-05 12:24:08
Local clock offset: 3.851 ms
Remote clock offset: -12.803 ms

Below is generated by plot.py at 2017-12-05 15:40:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.55 Mbit/s
95th percentile per-packet one-way delay: 35.044 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 2.55 Mbit/s
95th percentile per-packet one-way delay: 35.044 ms
Loss rate: 0.16%

Run 10: Report of WebRTC media — Data Link

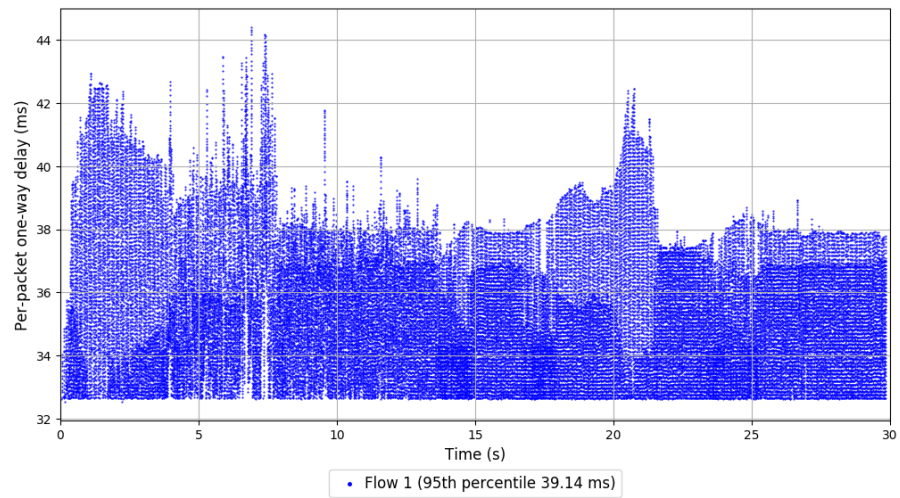
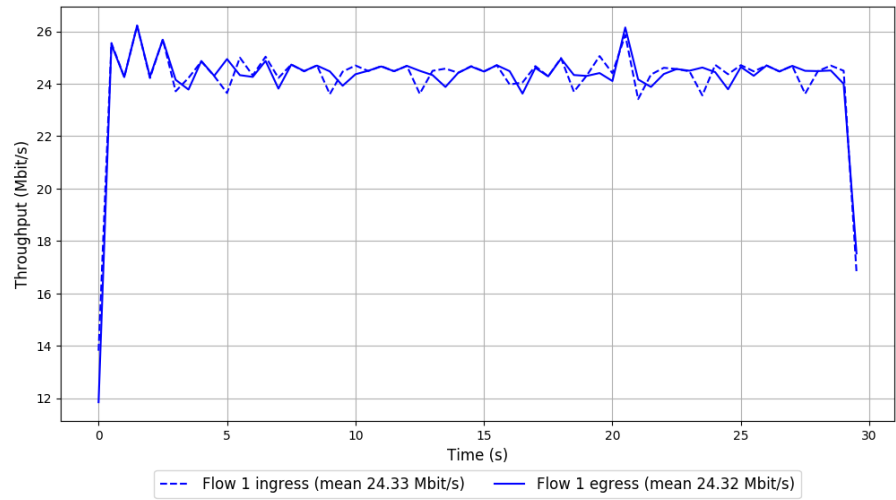


Run 1: Statistics of Sprout

Start at: 2017-12-05 09:55:16
End at: 2017-12-05 09:55:46
Local clock offset: 8.018 ms
Remote clock offset: -12.265 ms

Below is generated by plot.py at 2017-12-05 15:40:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.32 Mbit/s
95th percentile per-packet one-way delay: 39.142 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.32 Mbit/s
95th percentile per-packet one-way delay: 39.142 ms
Loss rate: 0.07%

Run 1: Report of Sprout — Data Link

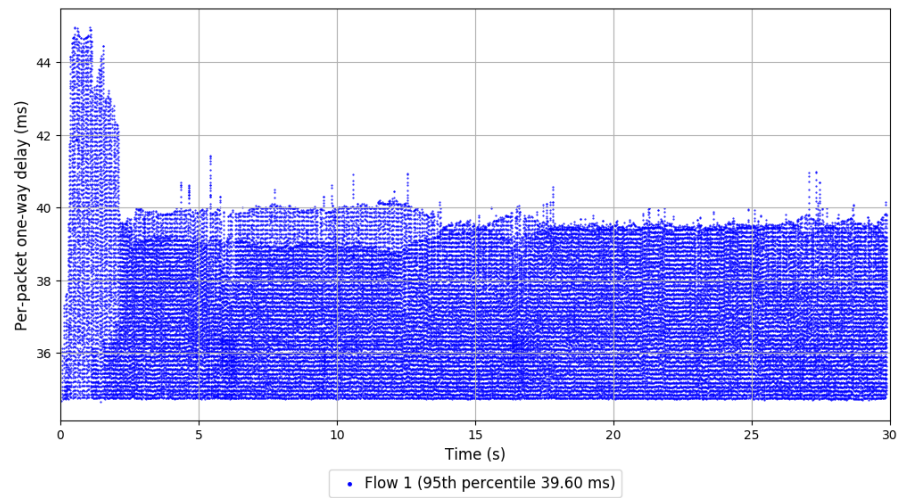
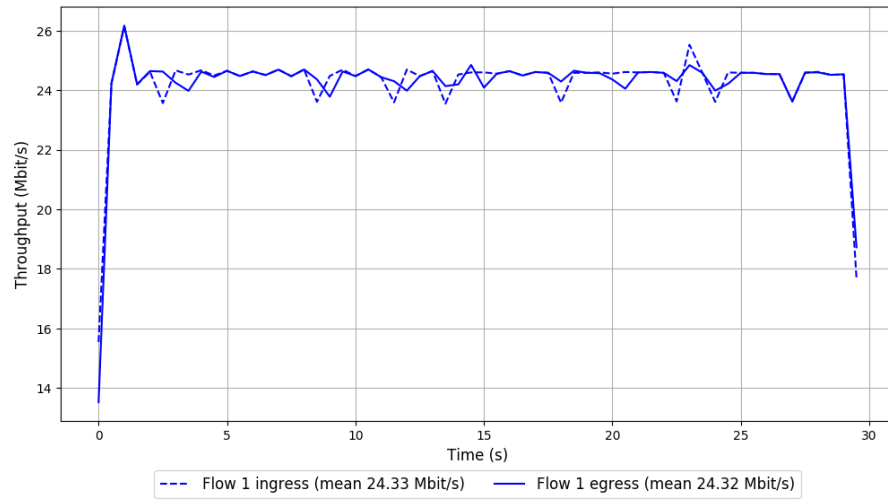


Run 2: Statistics of Sprout

Start at: 2017-12-05 10:12:32
End at: 2017-12-05 10:13:02
Local clock offset: 8.654 ms
Remote clock offset: -13.836 ms

Below is generated by plot.py at 2017-12-05 15:40:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.32 Mbit/s
95th percentile per-packet one-way delay: 39.602 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 24.32 Mbit/s
95th percentile per-packet one-way delay: 39.602 ms
Loss rate: 0.06%

Run 2: Report of Sprout — Data Link

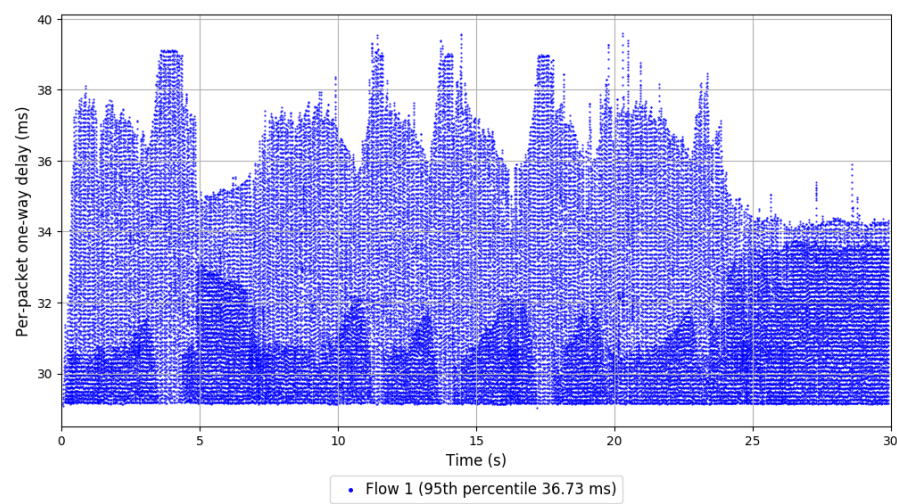
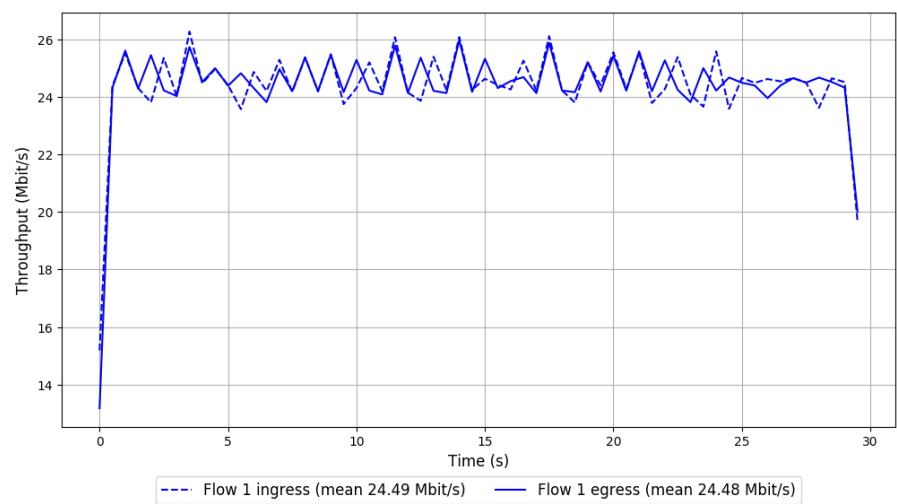


Run 3: Statistics of Sprout

Start at: 2017-12-05 10:30:07
End at: 2017-12-05 10:30:37
Local clock offset: 8.305 ms
Remote clock offset: -10.887 ms

Below is generated by plot.py at 2017-12-05 15:40:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.48 Mbit/s
95th percentile per-packet one-way delay: 36.727 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 24.48 Mbit/s
95th percentile per-packet one-way delay: 36.727 ms
Loss rate: 0.06%

Run 3: Report of Sprout — Data Link

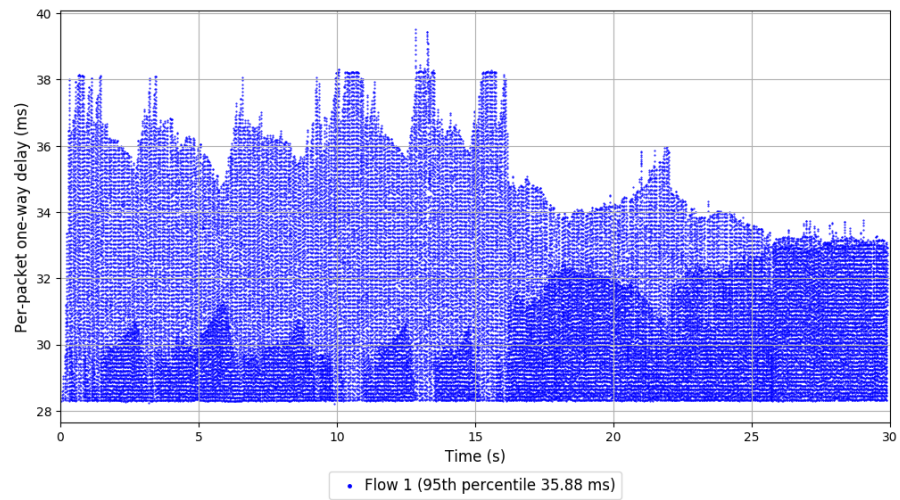
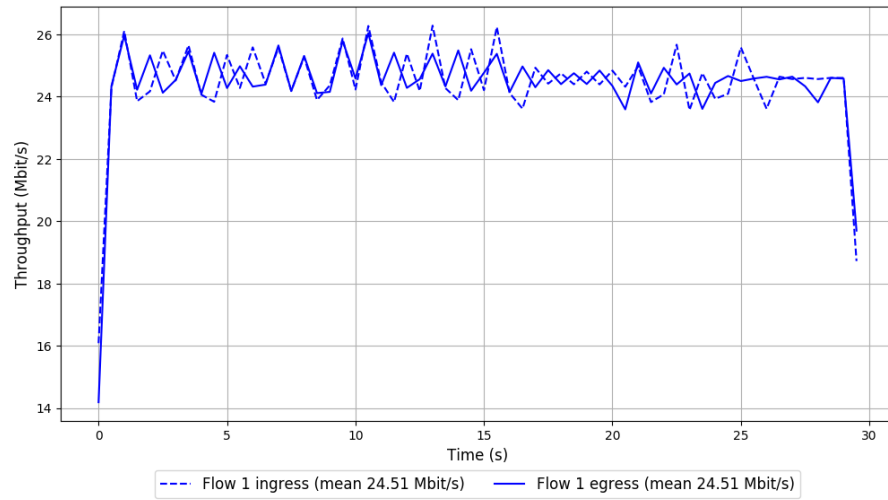


Run 4: Statistics of Sprout

Start at: 2017-12-05 10:47:16
End at: 2017-12-05 10:47:46
Local clock offset: 7.105 ms
Remote clock offset: -11.081 ms

Below is generated by plot.py at 2017-12-05 15:40:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.51 Mbit/s
95th percentile per-packet one-way delay: 35.884 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.51 Mbit/s
95th percentile per-packet one-way delay: 35.884 ms
Loss rate: 0.07%

Run 4: Report of Sprout — Data Link

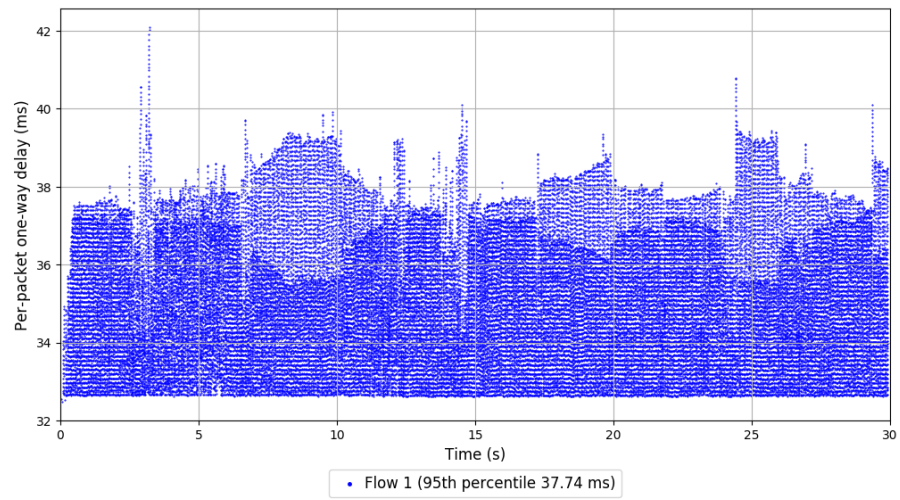
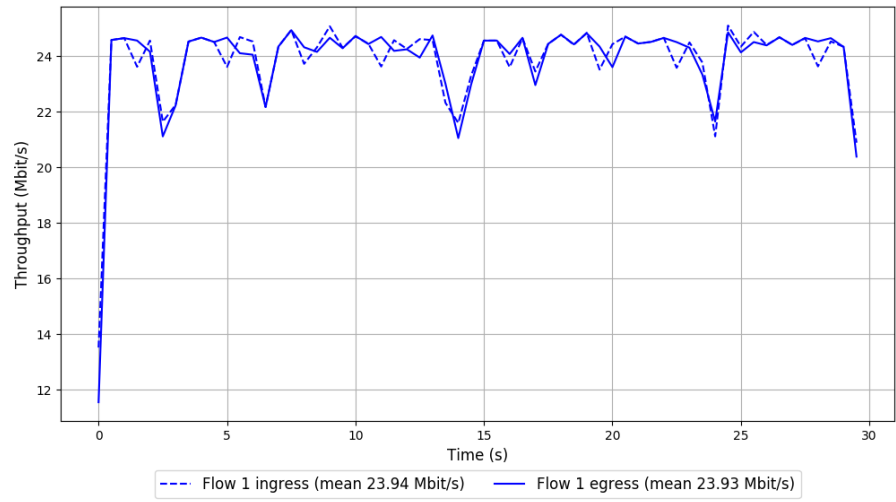


Run 5: Statistics of Sprout

Start at: 2017-12-05 11:04:46
End at: 2017-12-05 11:05:16
Local clock offset: 8.212 ms
Remote clock offset: -12.611 ms

Below is generated by plot.py at 2017-12-05 15:40:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.93 Mbit/s
95th percentile per-packet one-way delay: 37.741 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 23.93 Mbit/s
95th percentile per-packet one-way delay: 37.741 ms
Loss rate: 0.10%

Run 5: Report of Sprout — Data Link

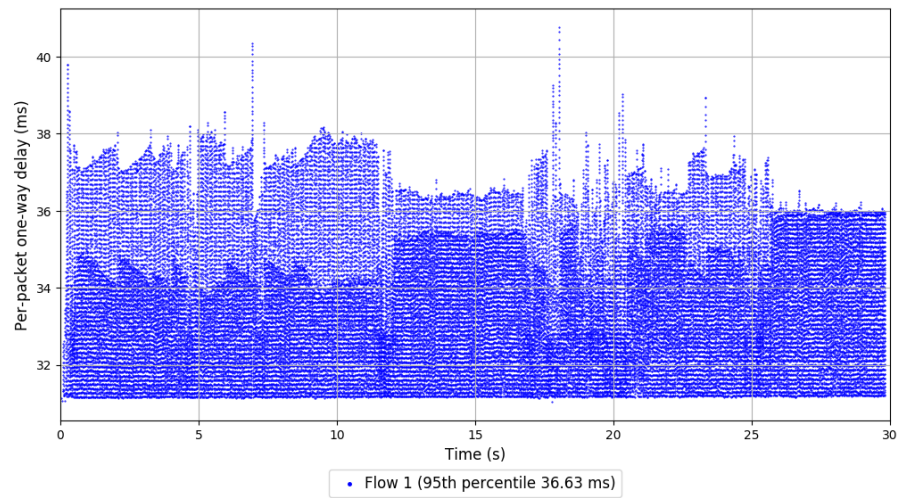
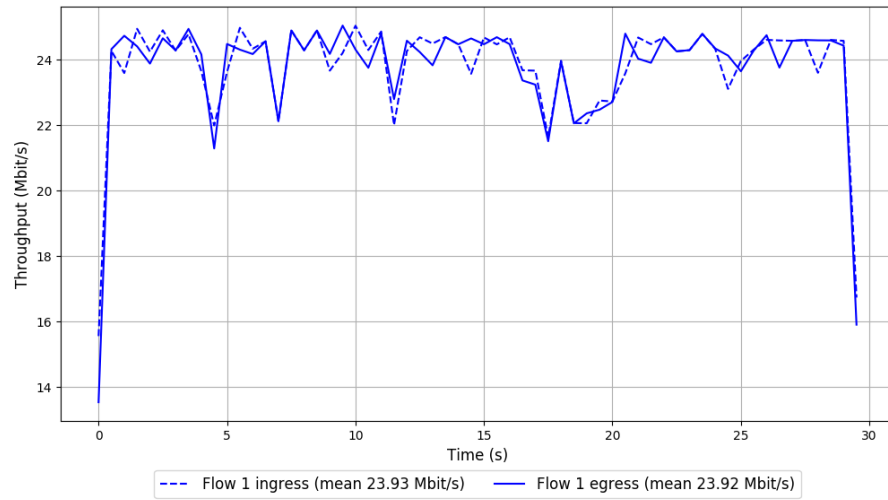


Run 6: Statistics of Sprout

Start at: 2017-12-05 11:21:42
End at: 2017-12-05 11:22:12
Local clock offset: 6.133 ms
Remote clock offset: -12.14 ms

Below is generated by plot.py at 2017-12-05 15:40:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.92 Mbit/s
95th percentile per-packet one-way delay: 36.631 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 23.92 Mbit/s
95th percentile per-packet one-way delay: 36.631 ms
Loss rate: 0.14%

Run 6: Report of Sprout — Data Link

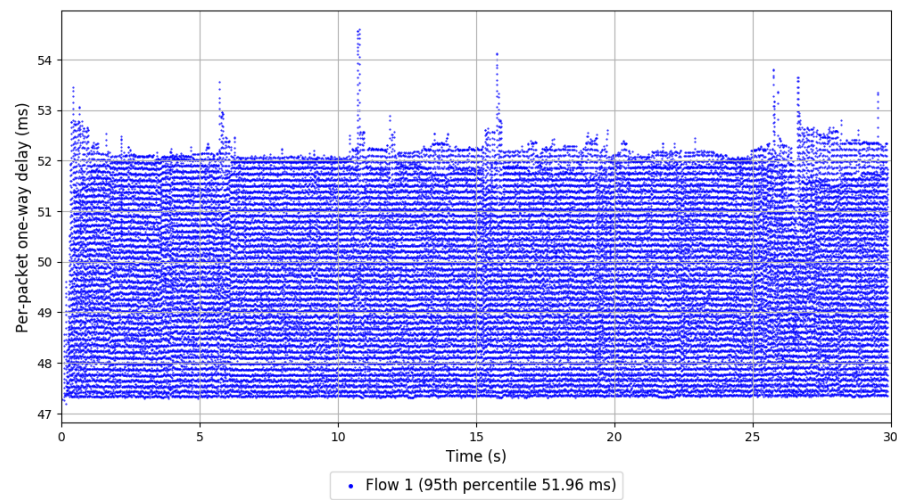
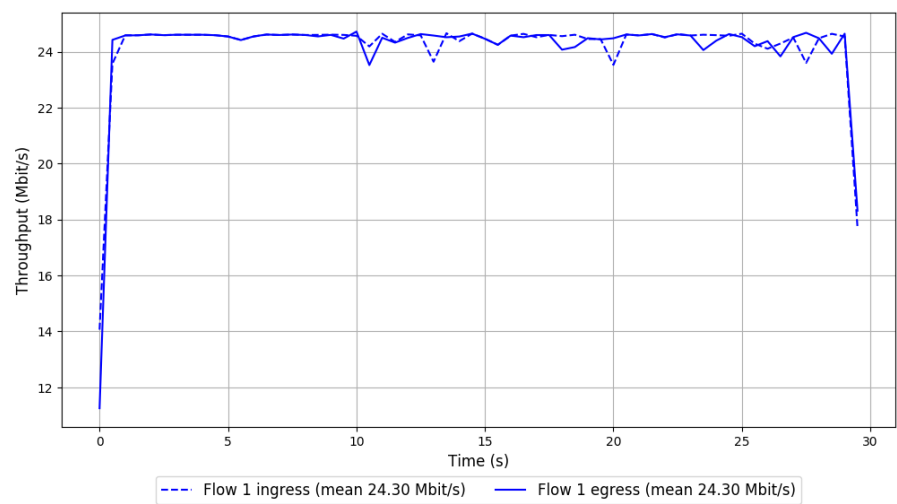


Run 7: Statistics of Sprout

Start at: 2017-12-05 11:38:48
End at: 2017-12-05 11:39:18
Local clock offset: 7.172 ms
Remote clock offset: -27.835 ms

Below is generated by plot.py at 2017-12-05 15:40:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 51.961 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 51.961 ms
Loss rate: 0.14%

Run 7: Report of Sprout — Data Link

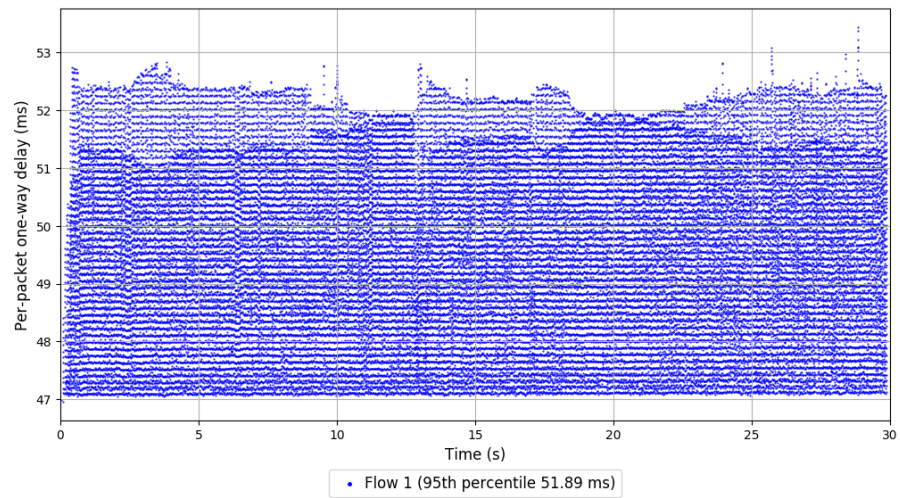
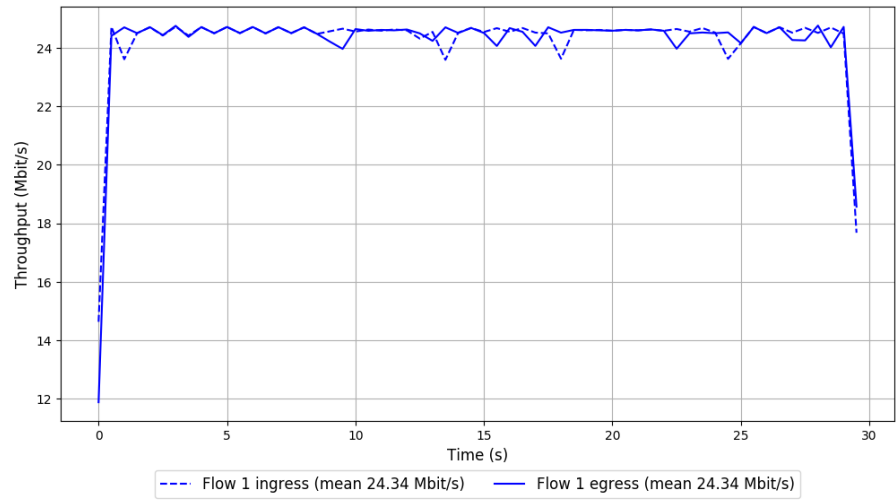


Run 8: Statistics of Sprout

Start at: 2017-12-05 11:56:33
End at: 2017-12-05 11:57:03
Local clock offset: 4.713 ms
Remote clock offset: -28.672 ms

Below is generated by plot.py at 2017-12-05 15:40:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: 51.888 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: 51.888 ms
Loss rate: 0.13%

Run 8: Report of Sprout — Data Link

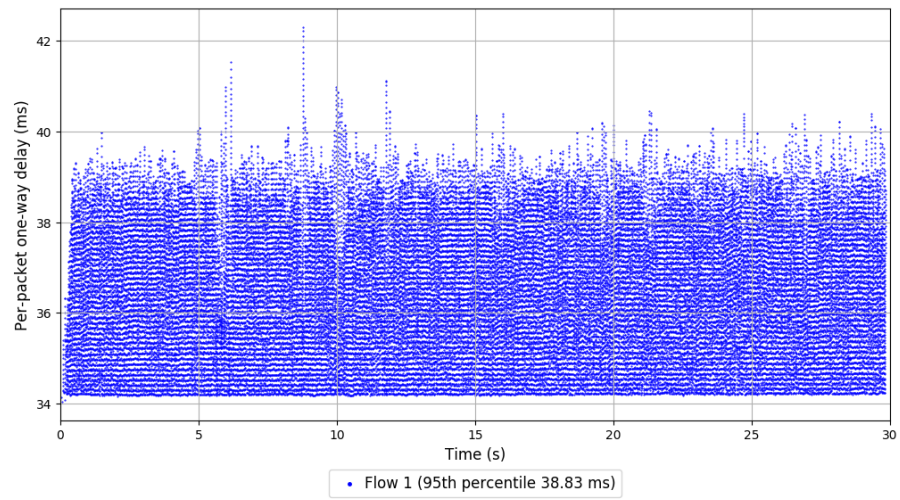
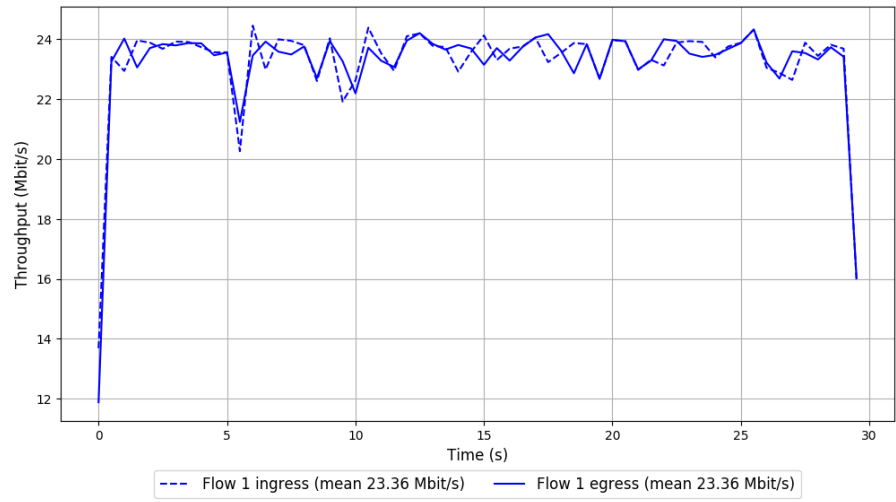


Run 9: Statistics of Sprout

Start at: 2017-12-05 12:13:36
End at: 2017-12-05 12:14:06
Local clock offset: 2.658 ms
Remote clock offset: -14.369 ms

Below is generated by plot.py at 2017-12-05 15:40:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.36 Mbit/s
95th percentile per-packet one-way delay: 38.827 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 23.36 Mbit/s
95th percentile per-packet one-way delay: 38.827 ms
Loss rate: 0.13%

Run 9: Report of Sprout — Data Link

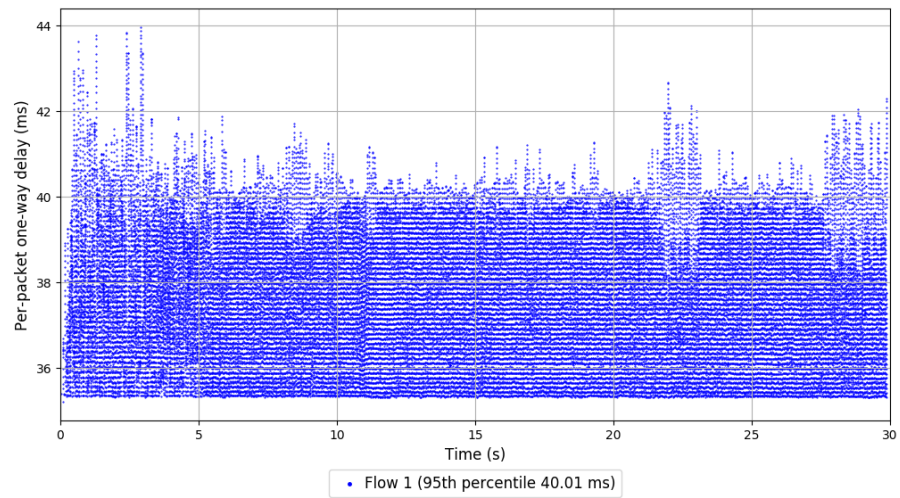
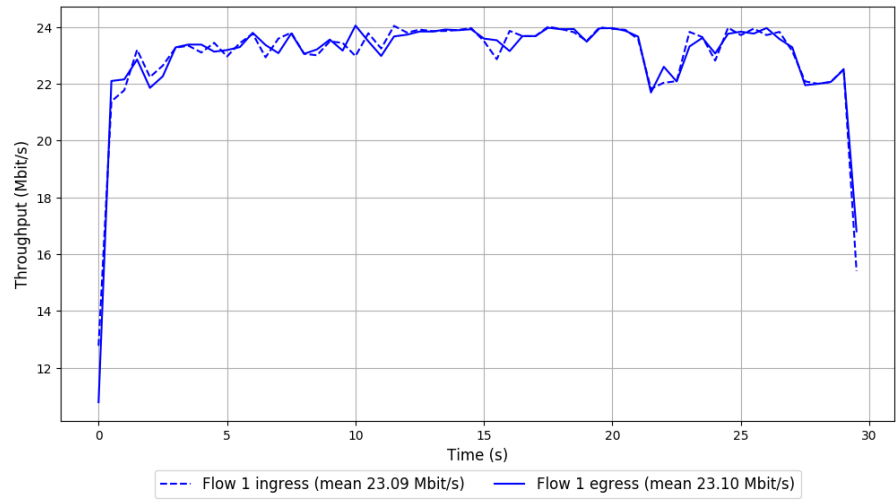


Run 10: Statistics of Sprout

Start at: 2017-12-05 12:30:45
End at: 2017-12-05 12:31:15
Local clock offset: 3.317 ms
Remote clock offset: -14.306 ms

Below is generated by plot.py at 2017-12-05 15:40:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.10 Mbit/s
95th percentile per-packet one-way delay: 40.011 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 23.10 Mbit/s
95th percentile per-packet one-way delay: 40.011 ms
Loss rate: 0.04%

Run 10: Report of Sprout — Data Link

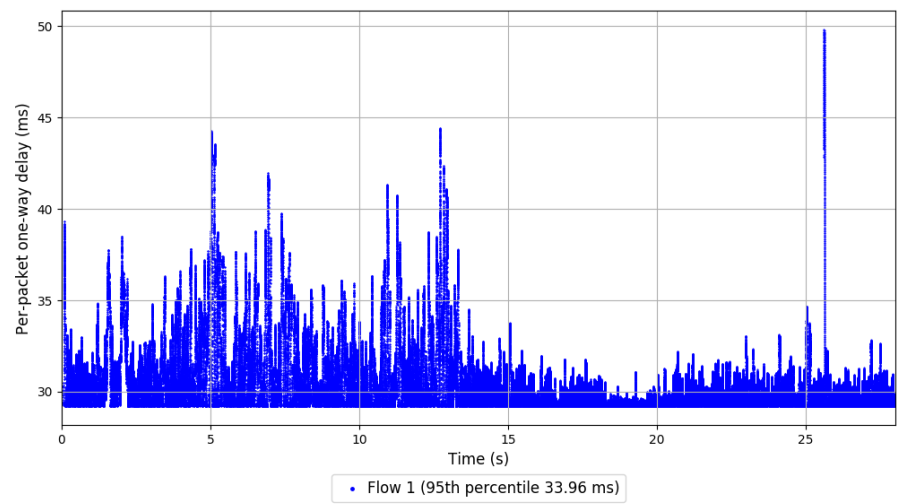
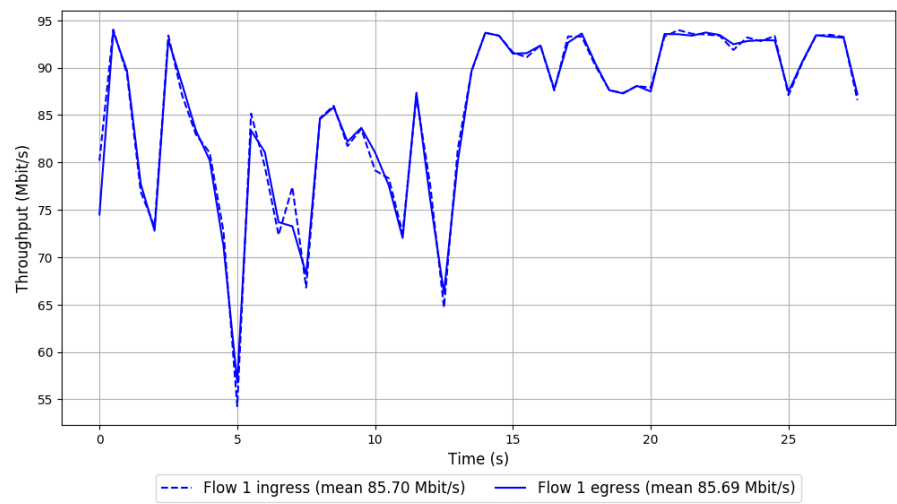


```
Run 1: Statistics of TaoVA-100x

Start at: 2017-12-05 09:52:32
End at: 2017-12-05 09:53:02
Local clock offset: 4.907 ms
Remote clock offset: -11.895 ms

# Below is generated by plot.py at 2017-12-05 15:42:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.69 Mbit/s
95th percentile per-packet one-way delay: 33.958 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 85.69 Mbit/s
95th percentile per-packet one-way delay: 33.958 ms
Loss rate: 0.10%
```


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

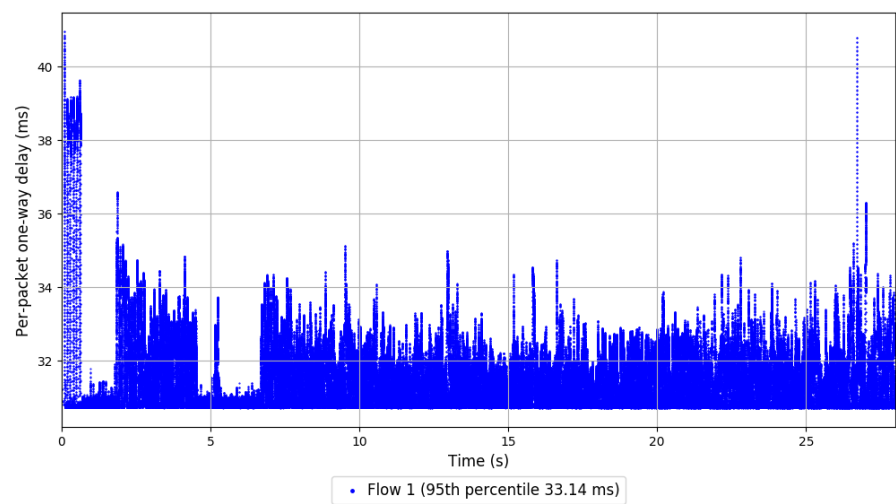
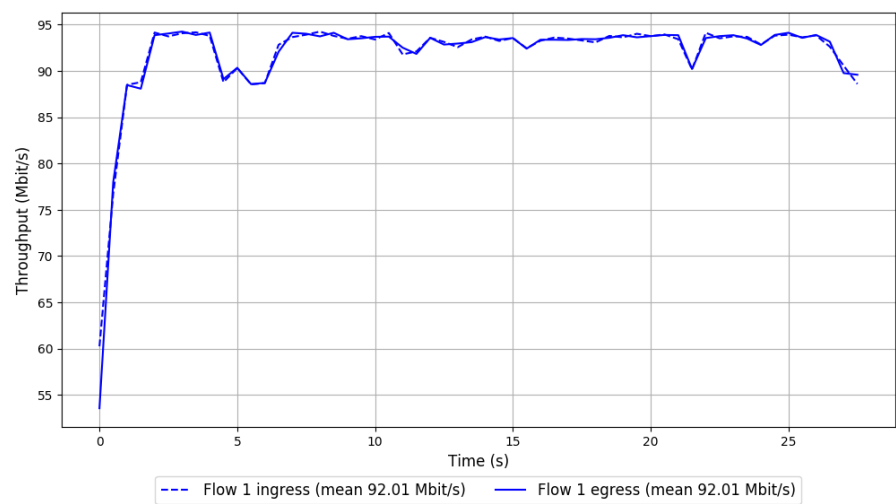


Run 2: Statistics of TaoVA-100x

Start at: 2017-12-05 10:09:56
End at: 2017-12-05 10:10:26
Local clock offset: 5.282 ms
Remote clock offset: -13.122 ms

Below is generated by plot.py at 2017-12-05 15:42:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.01 Mbit/s
95th percentile per-packet one-way delay: 33.140 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 92.01 Mbit/s
95th percentile per-packet one-way delay: 33.140 ms
Loss rate: 0.10%

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

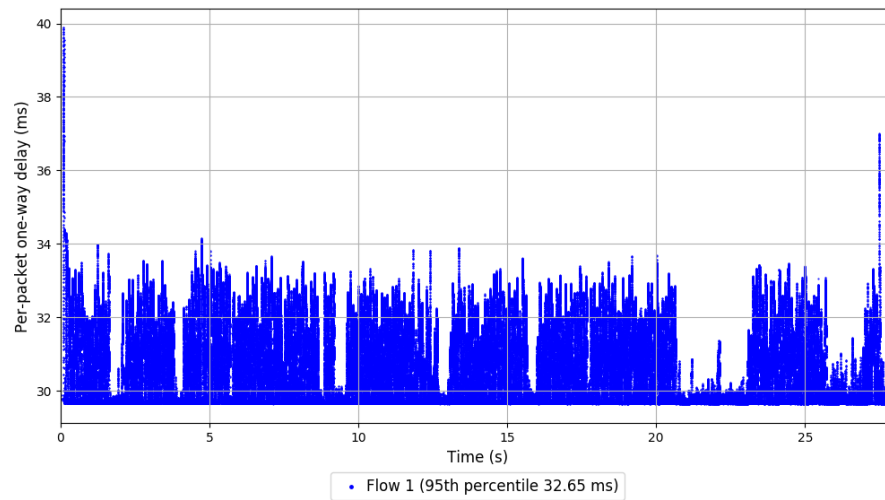
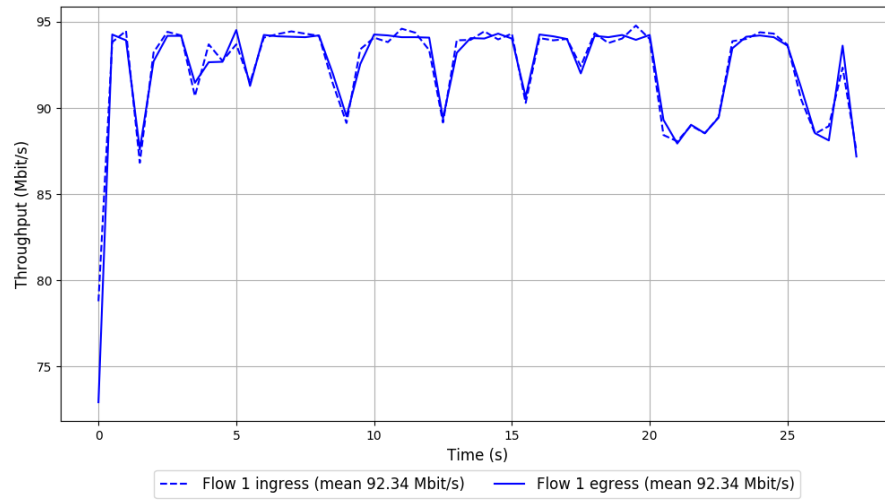


Run 3: Statistics of TaoVA-100x

Start at: 2017-12-05 10:27:28
End at: 2017-12-05 10:27:58
Local clock offset: 8.374 ms
Remote clock offset: -11.256 ms

Below is generated by plot.py at 2017-12-05 15:42:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.34 Mbit/s
95th percentile per-packet one-way delay: 32.645 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 92.34 Mbit/s
95th percentile per-packet one-way delay: 32.645 ms
Loss rate: 0.10%

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

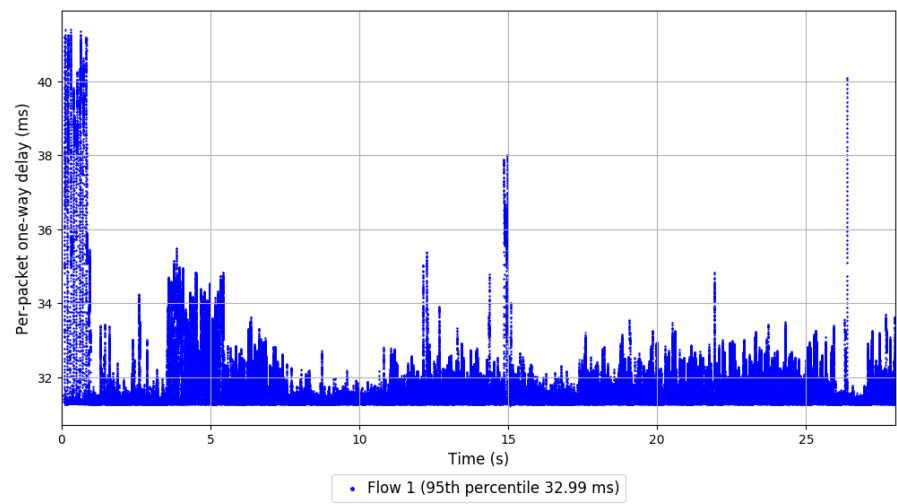
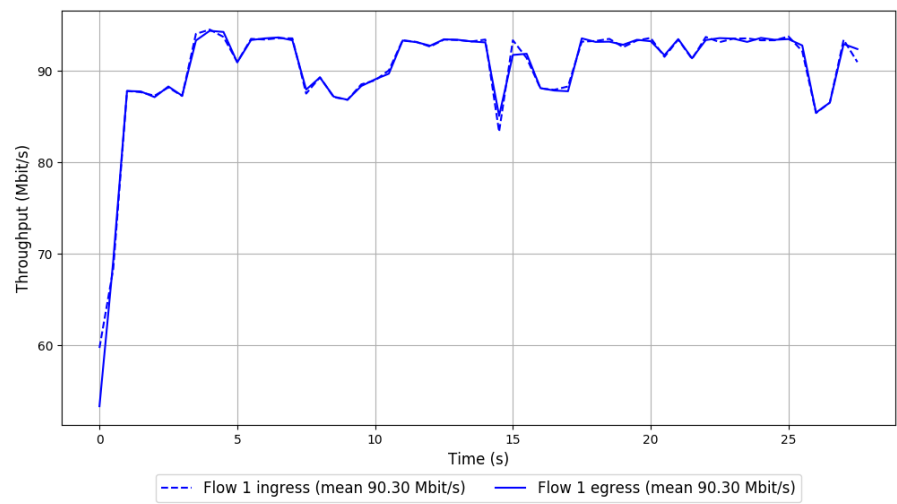


Run 4: Statistics of TaoVA-100x

Start at: 2017-12-05 10:44:51
End at: 2017-12-05 10:45:21
Local clock offset: 8.752 ms
Remote clock offset: -12.468 ms

Below is generated by plot.py at 2017-12-05 15:42:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.30 Mbit/s
95th percentile per-packet one-way delay: 32.990 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 90.30 Mbit/s
95th percentile per-packet one-way delay: 32.990 ms
Loss rate: 0.09%

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

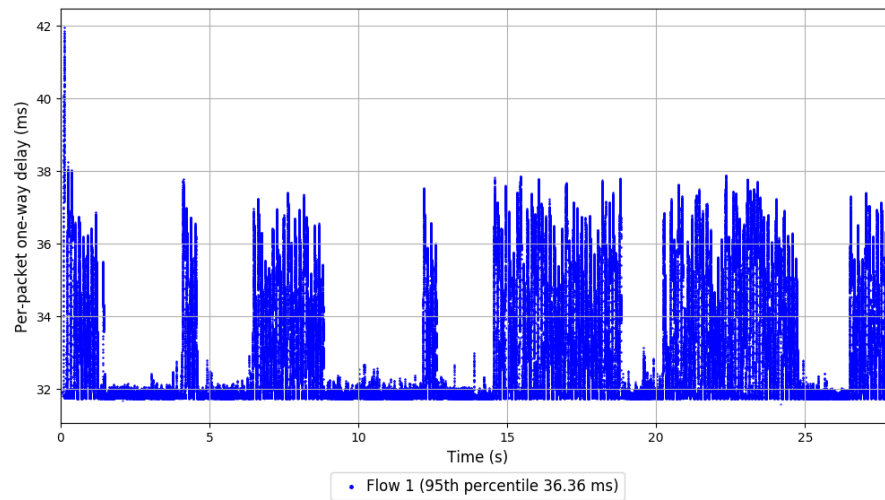
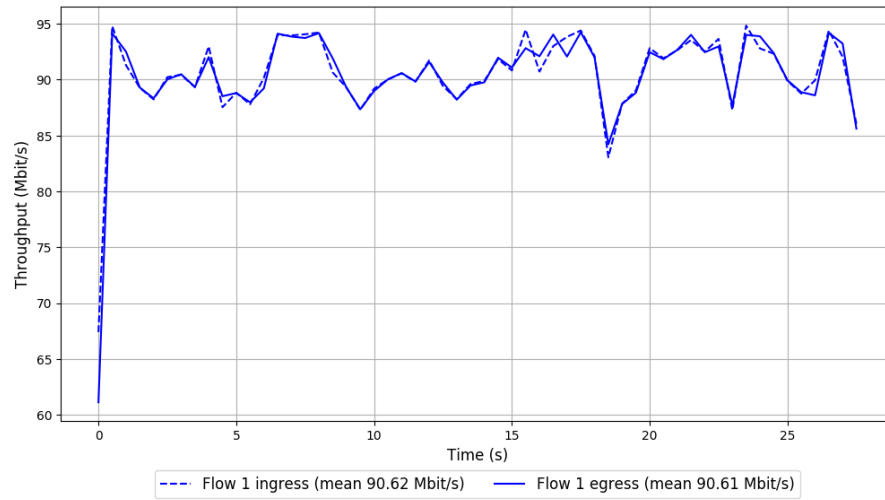


Run 5: Statistics of TaoVA-100x

Start at: 2017-12-05 11:02:12
End at: 2017-12-05 11:02:42
Local clock offset: 9.168 ms
Remote clock offset: -10.757 ms

Below is generated by plot.py at 2017-12-05 15:42:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.61 Mbit/s
95th percentile per-packet one-way delay: 36.359 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 90.61 Mbit/s
95th percentile per-packet one-way delay: 36.359 ms
Loss rate: 0.13%

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



Run 6: Statistics of TaoVA-100x

Start at: 2017-12-05 11:19:06

End at: 2017-12-05 11:19:36

Local clock offset: 8.651 ms

Remote clock offset: -11.16 ms

Below is generated by plot.py at 2017-12-05 15:42:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.74 Mbit/s

95th percentile per-packet one-way delay: 37.517 ms

Loss rate: 0.12%

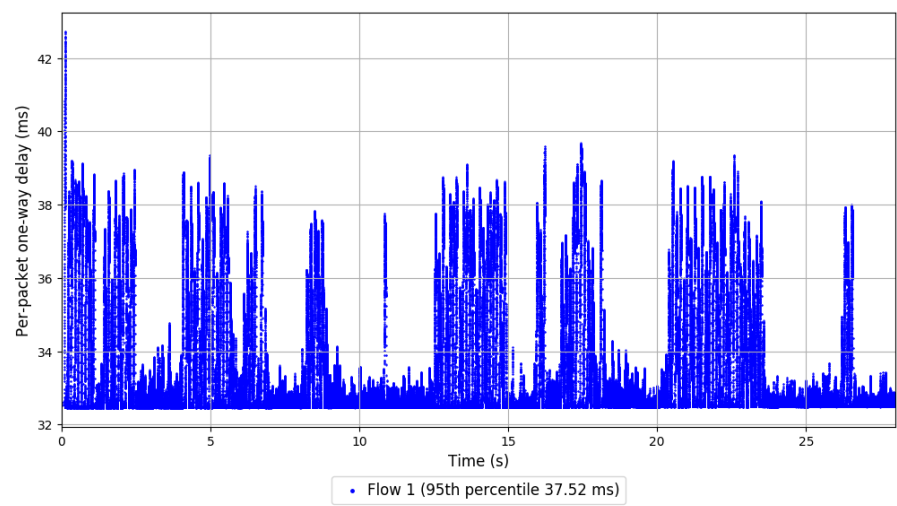
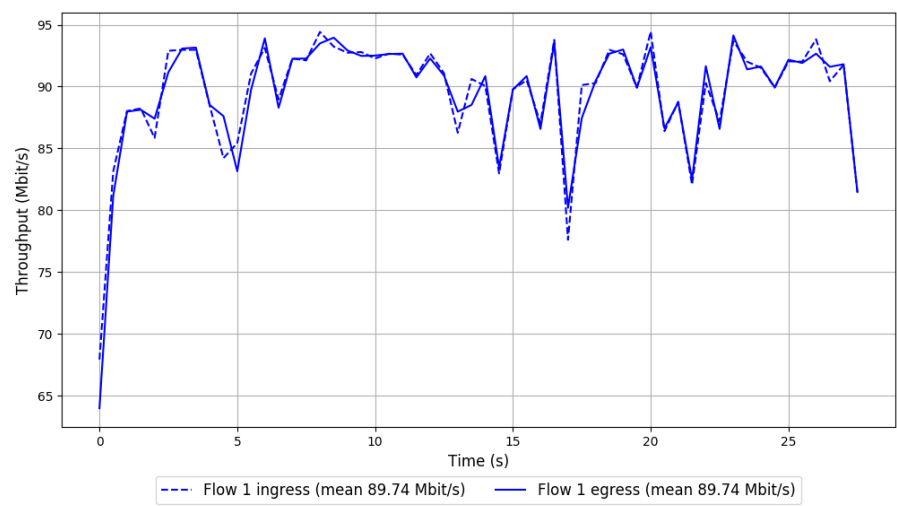
-- Flow 1:

Average throughput: 89.74 Mbit/s

95th percentile per-packet one-way delay: 37.517 ms

Loss rate: 0.12%

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

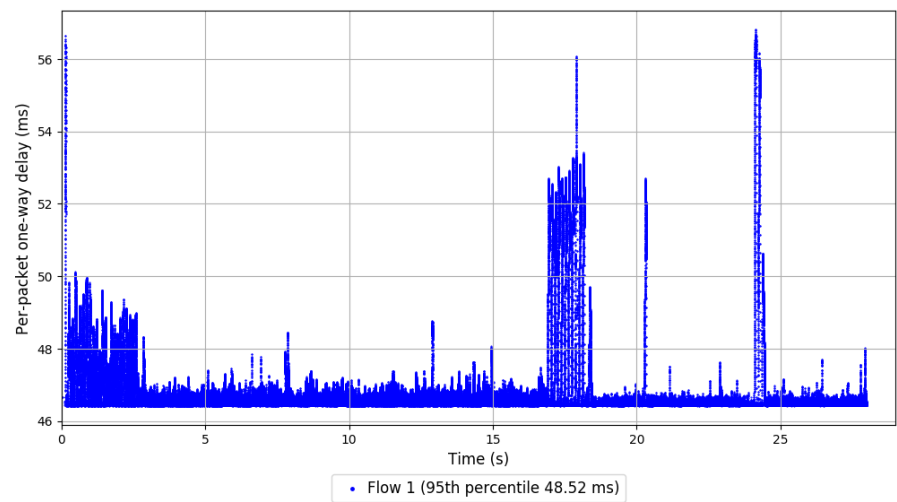
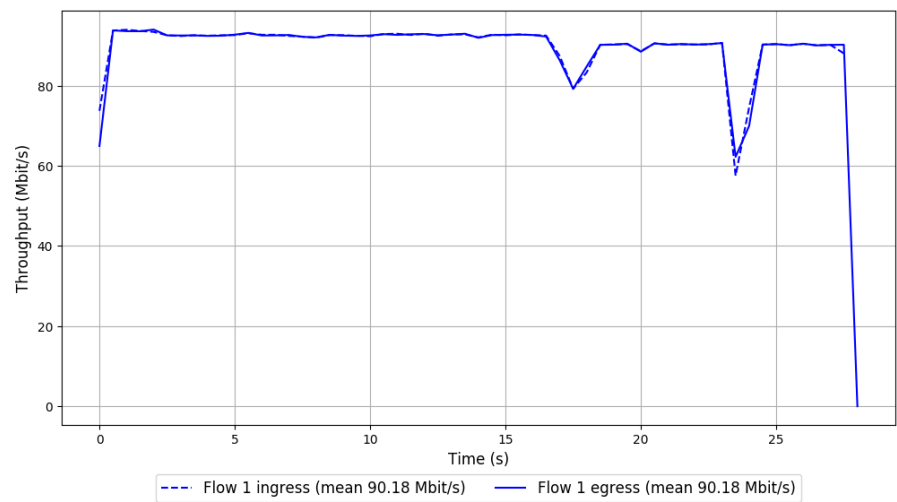


Run 7: Statistics of TaoVA-100x

Start at: 2017-12-05 11:36:14
End at: 2017-12-05 11:36:44
Local clock offset: 6.022 ms
Remote clock offset: -28.251 ms

Below is generated by plot.py at 2017-12-05 15:42:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.18 Mbit/s
95th percentile per-packet one-way delay: 48.523 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 90.18 Mbit/s
95th percentile per-packet one-way delay: 48.523 ms
Loss rate: 0.12%

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

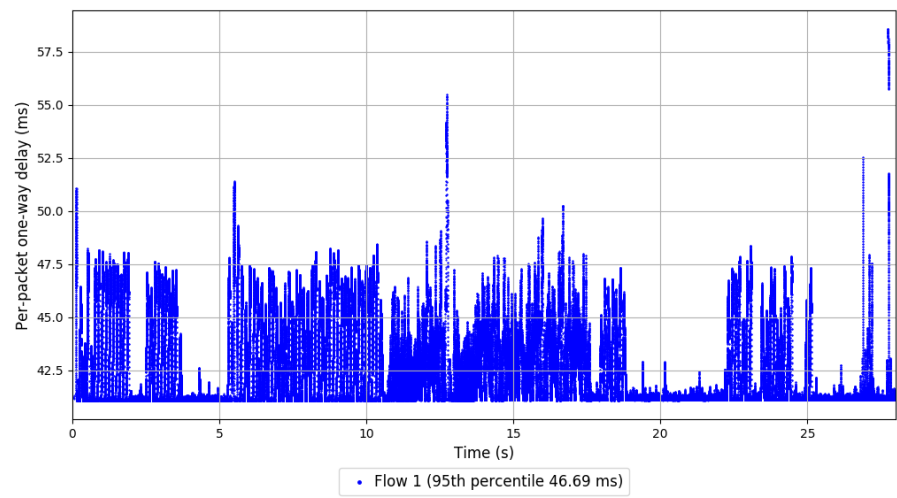
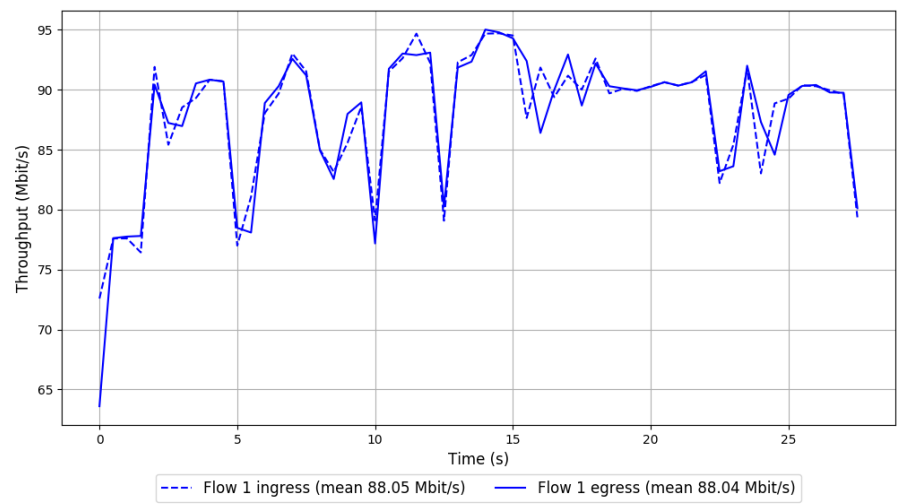


Run 8: Statistics of TaoVA-100x

Start at: 2017-12-05 11:53:52
End at: 2017-12-05 11:54:22
Local clock offset: 3.042 ms
Remote clock offset: -24.559 ms

Below is generated by plot.py at 2017-12-05 15:42:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.04 Mbit/s
95th percentile per-packet one-way delay: 46.689 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 88.04 Mbit/s
95th percentile per-packet one-way delay: 46.689 ms
Loss rate: 0.14%

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

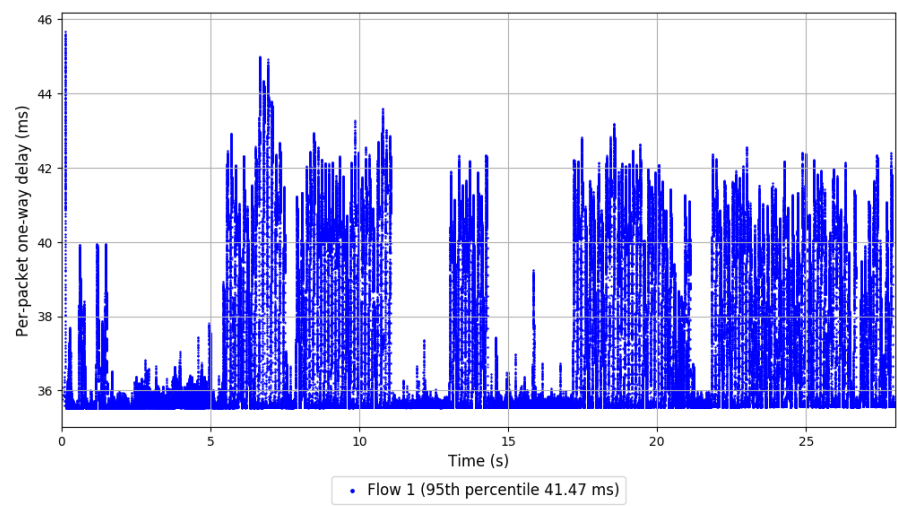
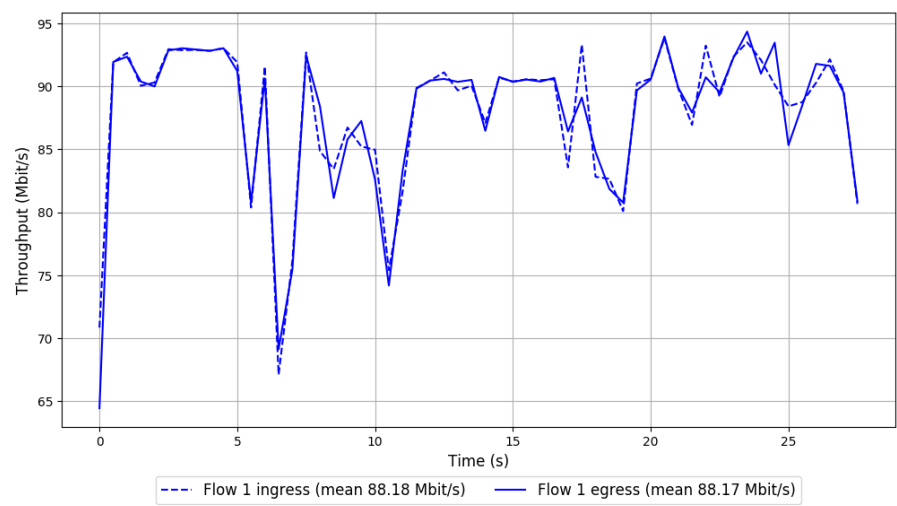


Run 9: Statistics of TaoVA-100x

Start at: 2017-12-05 12:11:00
End at: 2017-12-05 12:11:30
Local clock offset: 3.276 ms
Remote clock offset: -15.319 ms

Below is generated by plot.py at 2017-12-05 15:44:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.17 Mbit/s
95th percentile per-packet one-way delay: 41.472 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 88.17 Mbit/s
95th percentile per-packet one-way delay: 41.472 ms
Loss rate: 0.14%

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



Run 10: Statistics of TaoVA-100x

Start at: 2017-12-05 12:28:15

End at: 2017-12-05 12:28:45

Local clock offset: 2.543 ms

Remote clock offset: -13.1 ms

Below is generated by plot.py at 2017-12-05 15:44:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.14 Mbit/s

95th percentile per-packet one-way delay: 40.011 ms

Loss rate: 0.18%

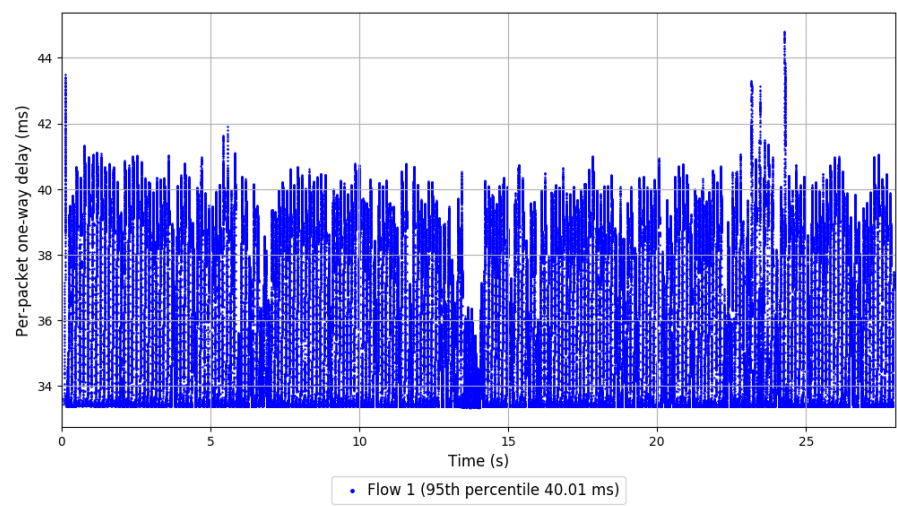
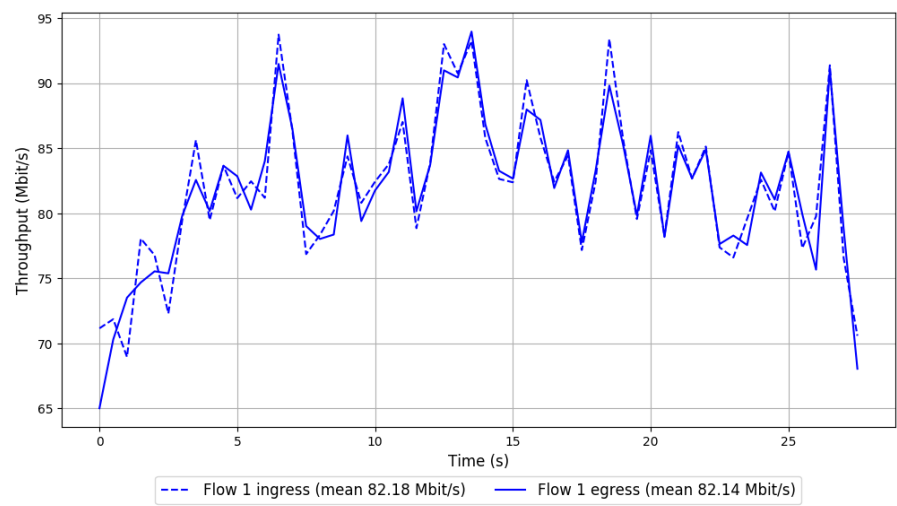
-- Flow 1:

Average throughput: 82.14 Mbit/s

95th percentile per-packet one-way delay: 40.011 ms

Loss rate: 0.18%

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

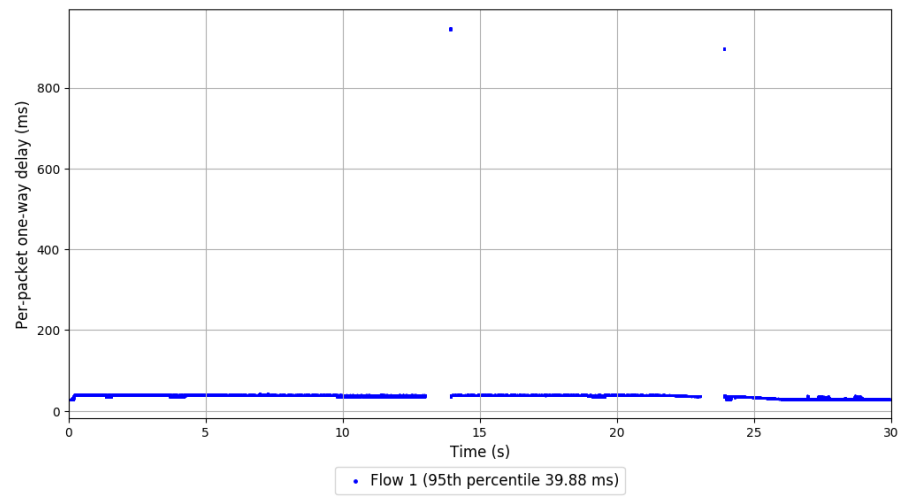
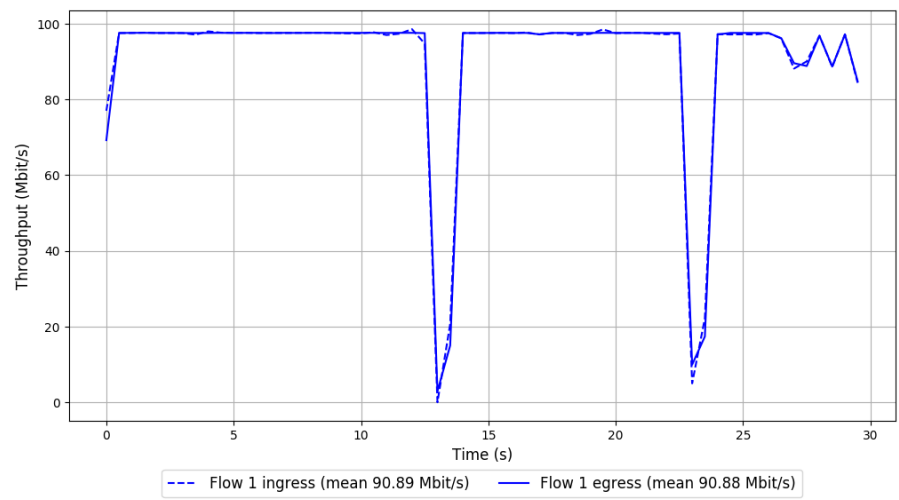


Run 1: Statistics of TCP Vegas

Start at: 2017-12-05 09:54:00
End at: 2017-12-05 09:54:30
Local clock offset: 4.639 ms
Remote clock offset: -10.659 ms

Below is generated by plot.py at 2017-12-05 15:44:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.88 Mbit/s
95th percentile per-packet one-way delay: 39.882 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 90.88 Mbit/s
95th percentile per-packet one-way delay: 39.882 ms
Loss rate: 0.09%

Run 1: Report of TCP Vegas — Data Link

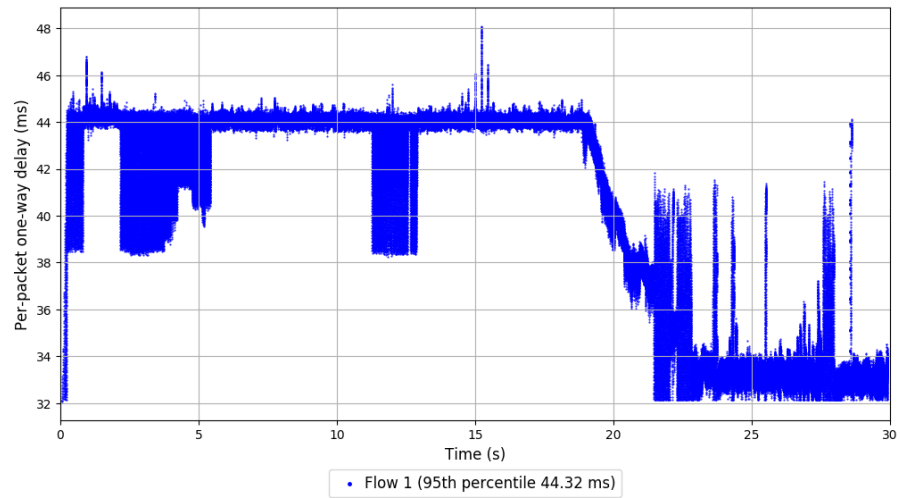
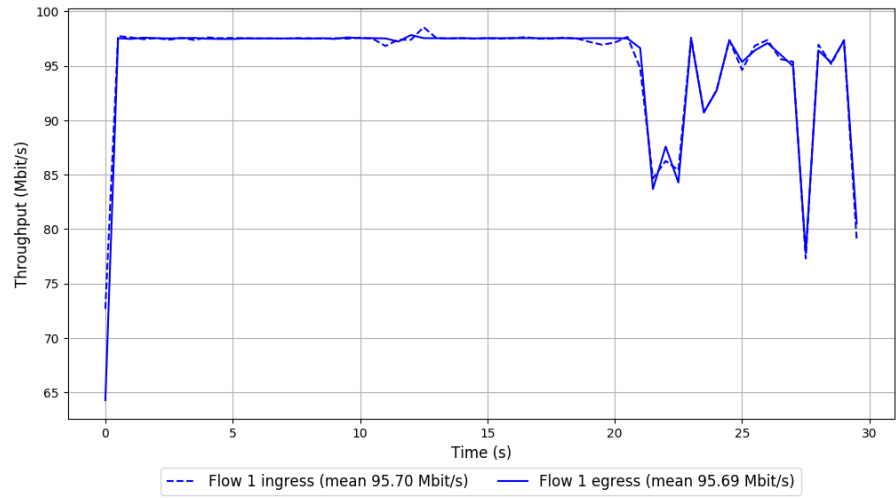


Run 2: Statistics of TCP Vegas

Start at: 2017-12-05 10:11:18
End at: 2017-12-05 10:11:48
Local clock offset: 7.485 ms
Remote clock offset: -12.382 ms

Below is generated by plot.py at 2017-12-05 15:44:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.69 Mbit/s
95th percentile per-packet one-way delay: 44.323 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 95.69 Mbit/s
95th percentile per-packet one-way delay: 44.323 ms
Loss rate: 0.09%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

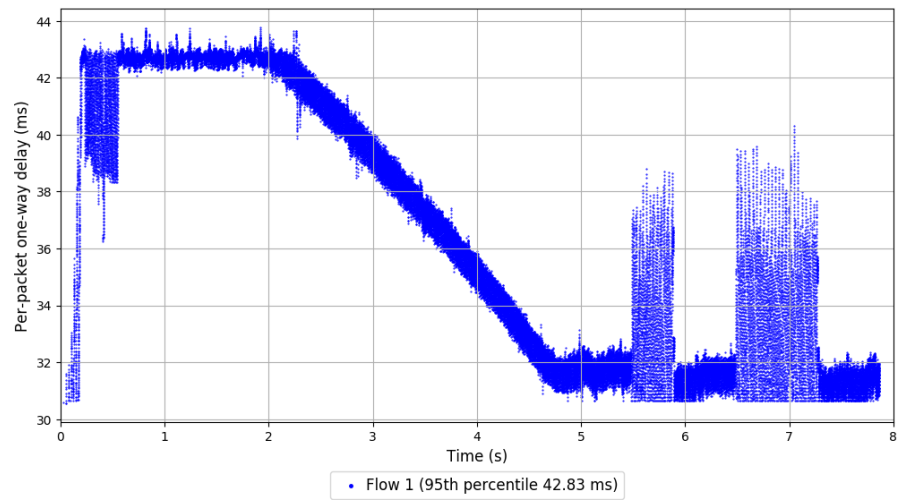
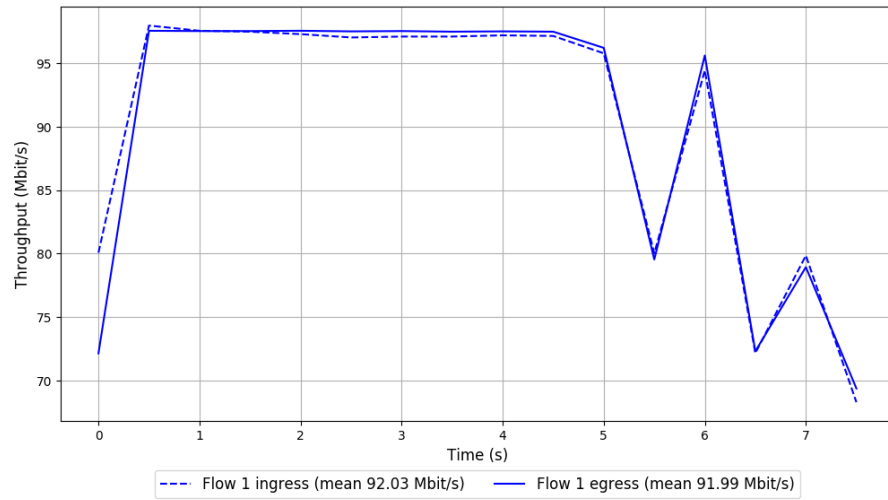
Start at: 2017-12-05 10:29:00

End at: 2017-12-05 10:29:30

Local clock offset: 9.076 ms

Remote clock offset: -11.613 ms

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

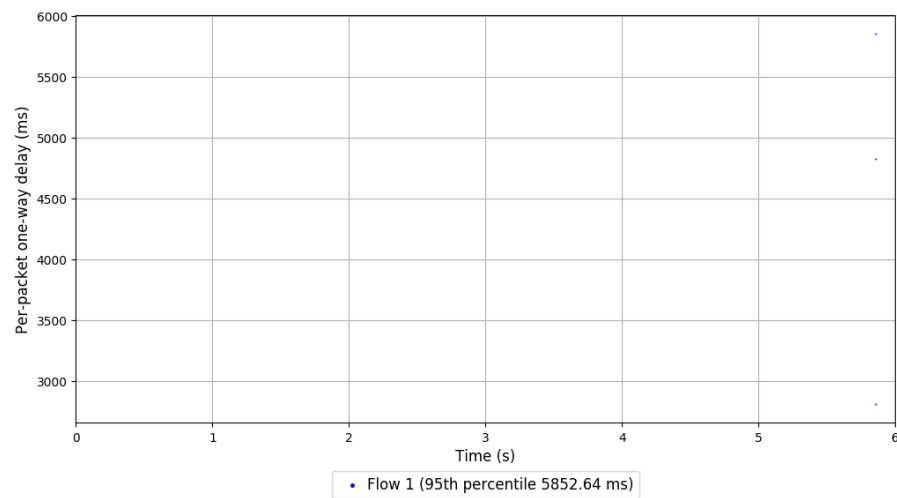
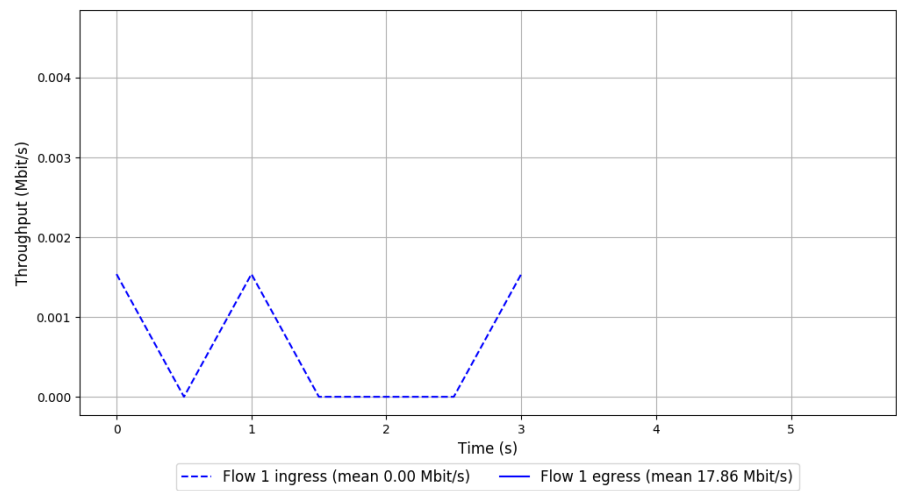
Start at: 2017-12-05 10:46:12

End at: 2017-12-05 10:46:42

Local clock offset: 9.67 ms

Remote clock offset: -11.051 ms

Run 4: Report of TCP Vegas — Data Link

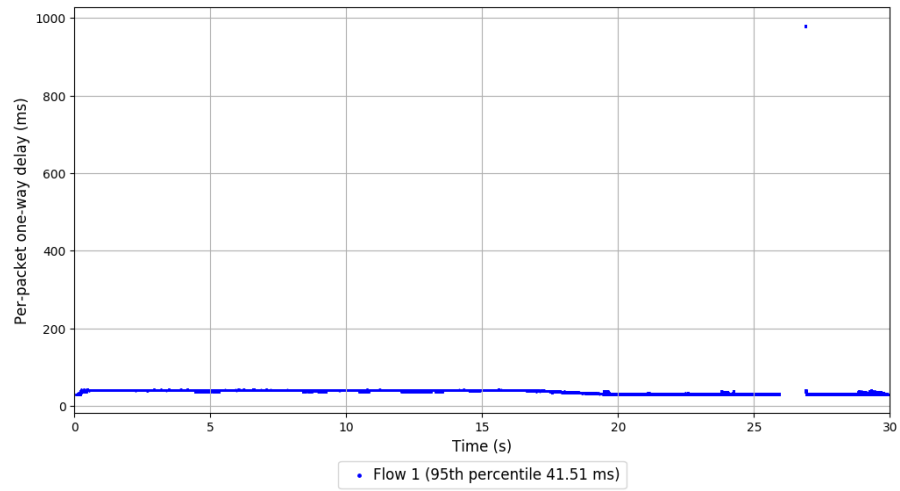
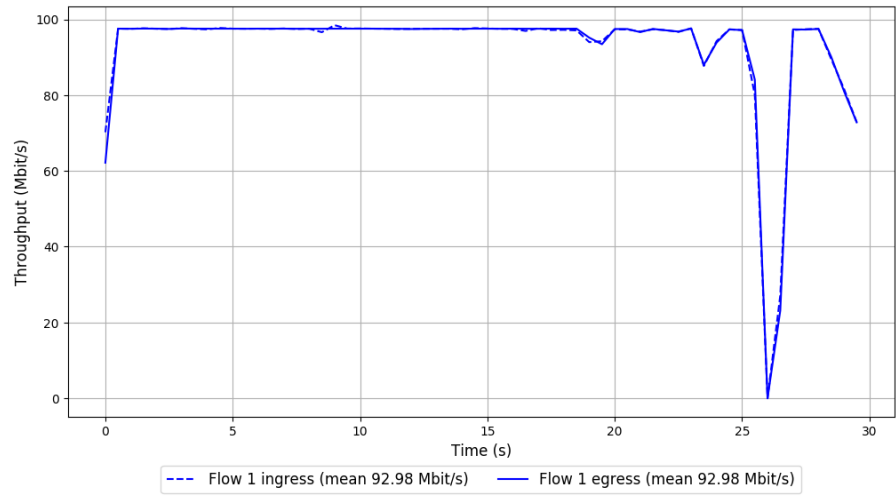


Run 5: Statistics of TCP Vegas

Start at: 2017-12-05 11:03:31
End at: 2017-12-05 11:04:01
Local clock offset: 6.516 ms
Remote clock offset: -11.025 ms

Below is generated by plot.py at 2017-12-05 15:44:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.98 Mbit/s
95th percentile per-packet one-way delay: 41.505 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 92.98 Mbit/s
95th percentile per-packet one-way delay: 41.505 ms
Loss rate: 0.11%

Run 5: Report of TCP Vegas — Data Link

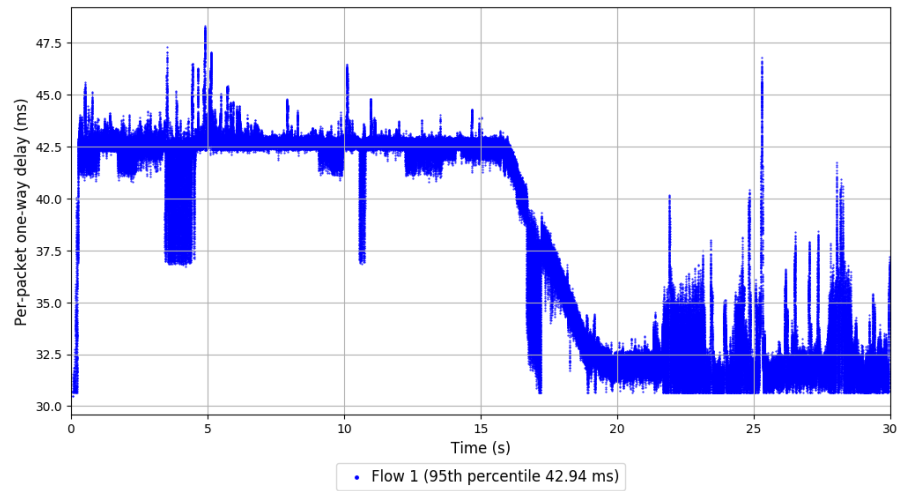
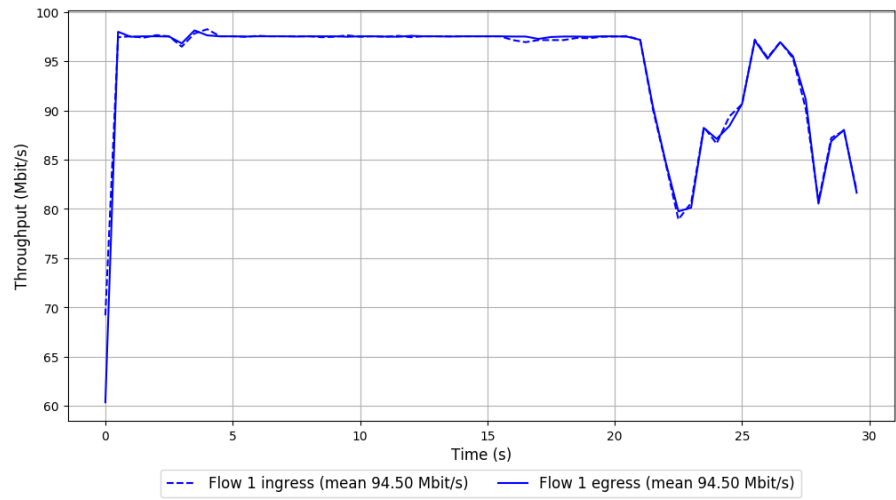


Run 6: Statistics of TCP Vegas

Start at: 2017-12-05 11:20:23
End at: 2017-12-05 11:20:53
Local clock offset: 7.822 ms
Remote clock offset: -10.059 ms

Below is generated by plot.py at 2017-12-05 15:44:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.50 Mbit/s
95th percentile per-packet one-way delay: 42.941 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 94.50 Mbit/s
95th percentile per-packet one-way delay: 42.941 ms
Loss rate: 0.10%

Run 6: Report of TCP Vegas — Data Link

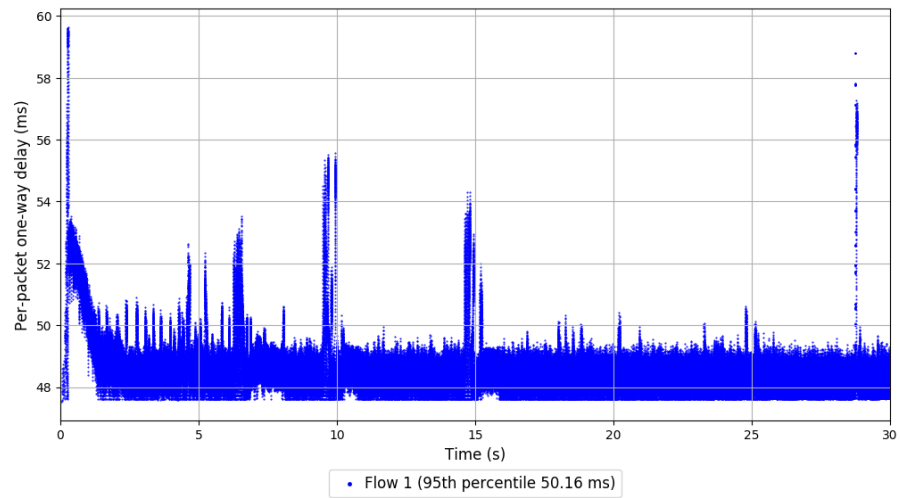
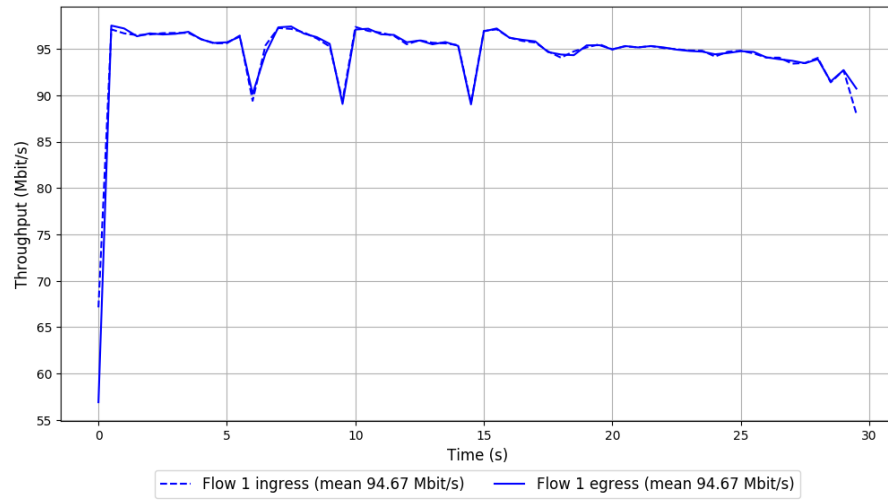


Run 7: Statistics of TCP Vegas

Start at: 2017-12-05 11:37:34
End at: 2017-12-05 11:38:04
Local clock offset: 6.349 ms
Remote clock offset: -29.035 ms

Below is generated by plot.py at 2017-12-05 15:44:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.67 Mbit/s
95th percentile per-packet one-way delay: 50.165 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 94.67 Mbit/s
95th percentile per-packet one-way delay: 50.165 ms
Loss rate: 0.11%

Run 7: Report of TCP Vegas — Data Link

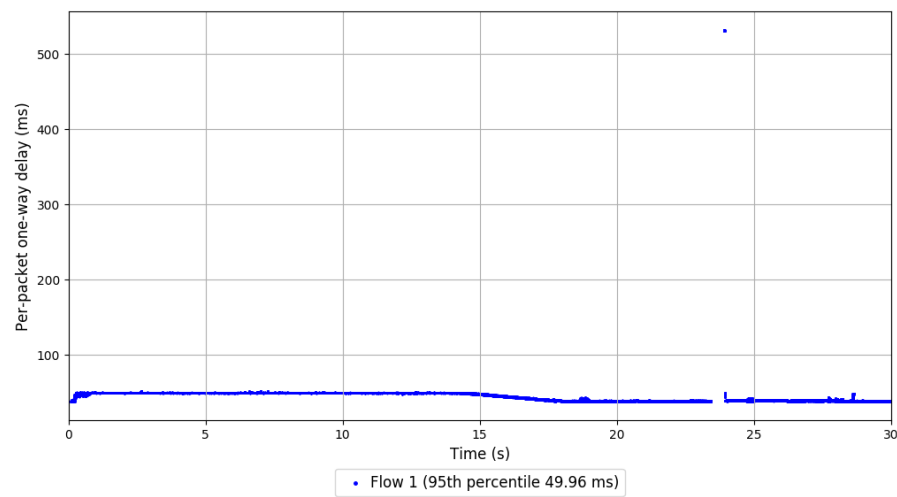
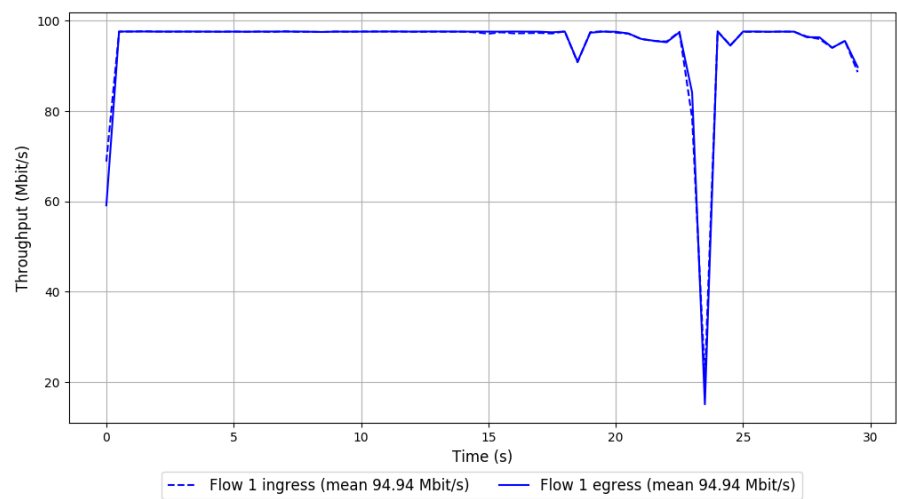


Run 8: Statistics of TCP Vegas

Start at: 2017-12-05 11:55:15
End at: 2017-12-05 11:55:45
Local clock offset: 5.251 ms
Remote clock offset: -19.03 ms

Below is generated by plot.py at 2017-12-05 15:44:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.94 Mbit/s
95th percentile per-packet one-way delay: 49.960 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 94.94 Mbit/s
95th percentile per-packet one-way delay: 49.960 ms
Loss rate: 0.11%

Run 8: Report of TCP Vegas — Data Link

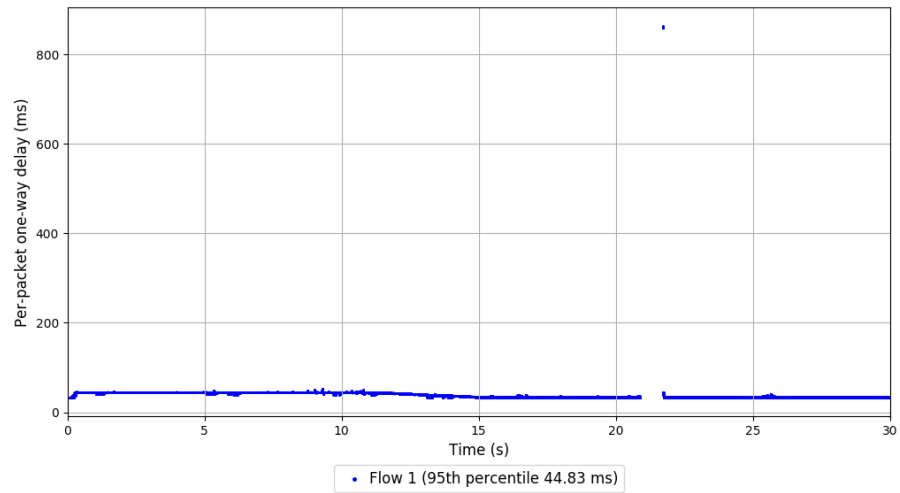
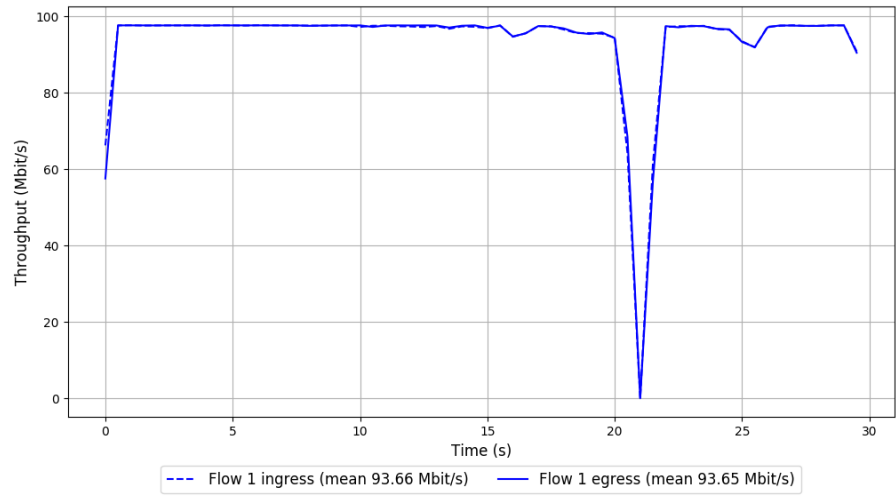


Run 9: Statistics of TCP Vegas

Start at: 2017-12-05 12:12:23
End at: 2017-12-05 12:12:53
Local clock offset: 1.264 ms
Remote clock offset: -14.349 ms

Below is generated by plot.py at 2017-12-05 15:45:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.65 Mbit/s
95th percentile per-packet one-way delay: 44.825 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 93.65 Mbit/s
95th percentile per-packet one-way delay: 44.825 ms
Loss rate: 0.12%

Run 9: Report of TCP Vegas — Data Link

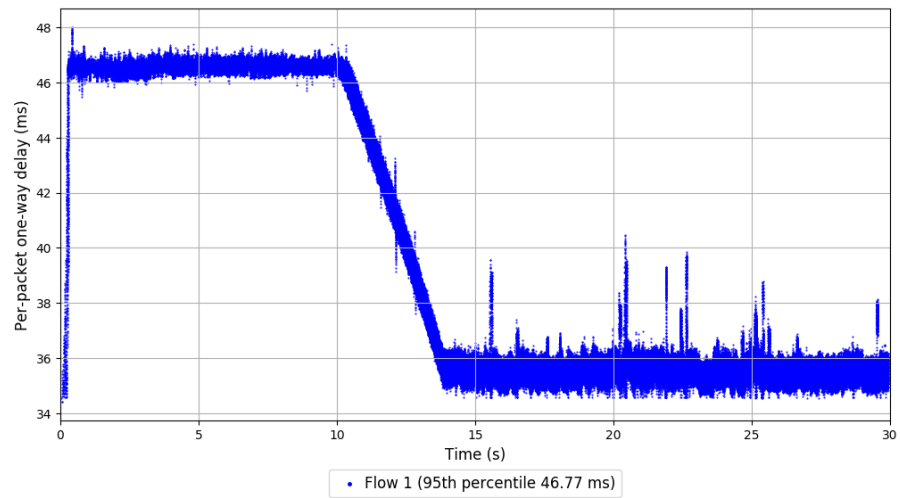
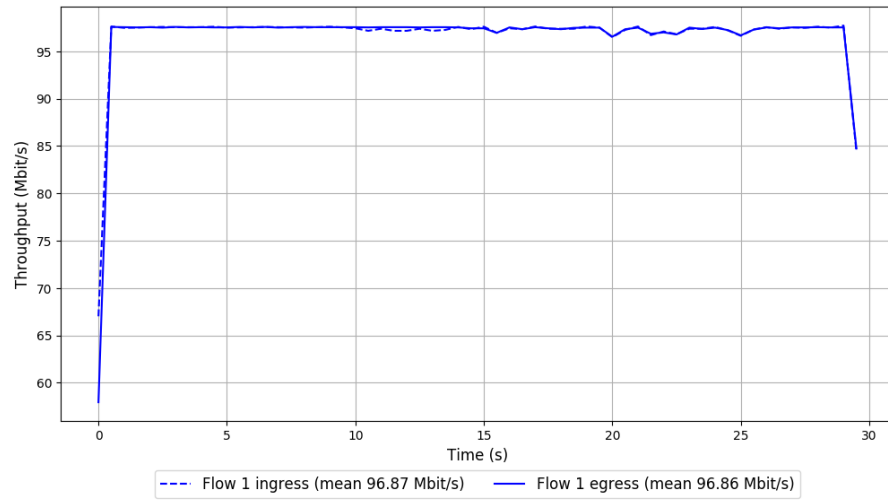


Run 10: Statistics of TCP Vegas

Start at: 2017-12-05 12:29:33
End at: 2017-12-05 12:30:03
Local clock offset: 0.797 ms
Remote clock offset: -16.057 ms

Below is generated by plot.py at 2017-12-05 15:45:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 46.771 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 46.771 ms
Loss rate: 0.12%

Run 10: Report of TCP Vegas — Data Link

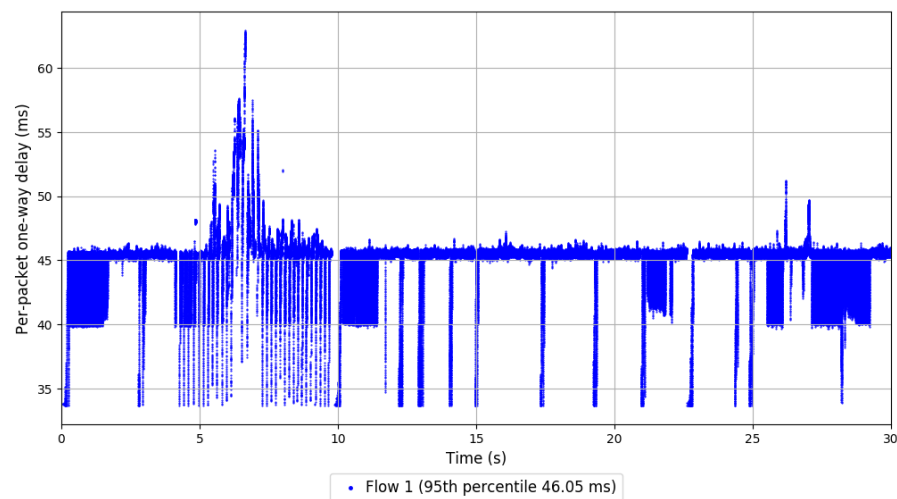
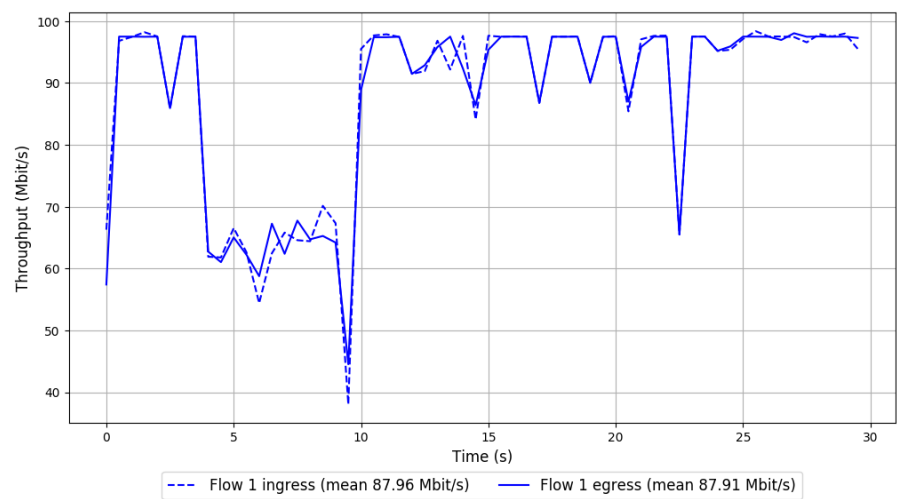


Run 1: Statistics of Verus

Start at: 2017-12-05 10:01:43
End at: 2017-12-05 10:02:13
Local clock offset: 8.903 ms
Remote clock offset: -12.34 ms

Below is generated by plot.py at 2017-12-05 15:45:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.91 Mbit/s
95th percentile per-packet one-way delay: 46.048 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 87.91 Mbit/s
95th percentile per-packet one-way delay: 46.048 ms
Loss rate: 0.16%

Run 1: Report of Verus — Data Link

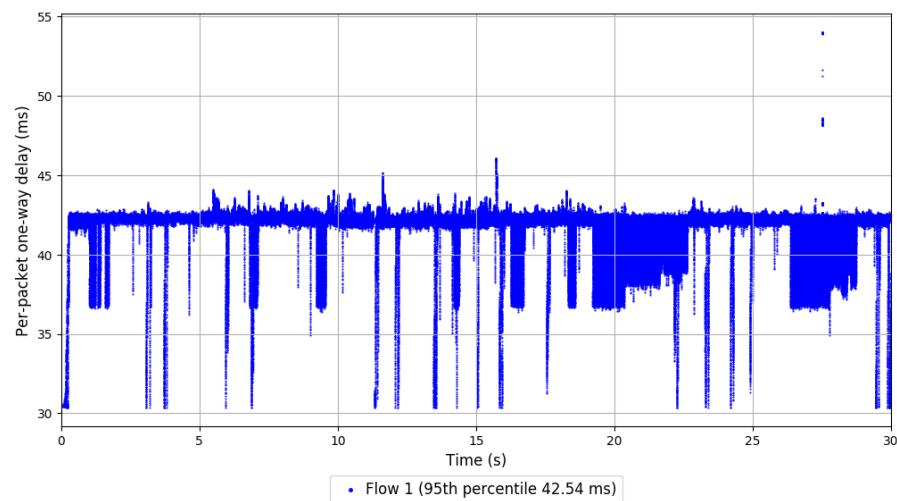
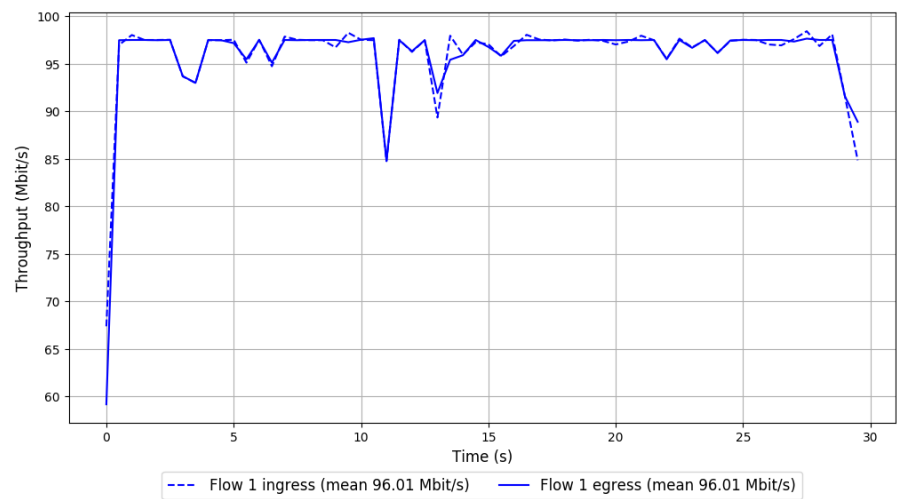


Run 2: Statistics of Verus

Start at: 2017-12-05 10:18:40
End at: 2017-12-05 10:19:10
Local clock offset: 6.917 ms
Remote clock offset: -11.431 ms

Below is generated by plot.py at 2017-12-05 15:45:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.01 Mbit/s
95th percentile per-packet one-way delay: 42.541 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 96.01 Mbit/s
95th percentile per-packet one-way delay: 42.541 ms
Loss rate: 0.07%

Run 2: Report of Verus — Data Link

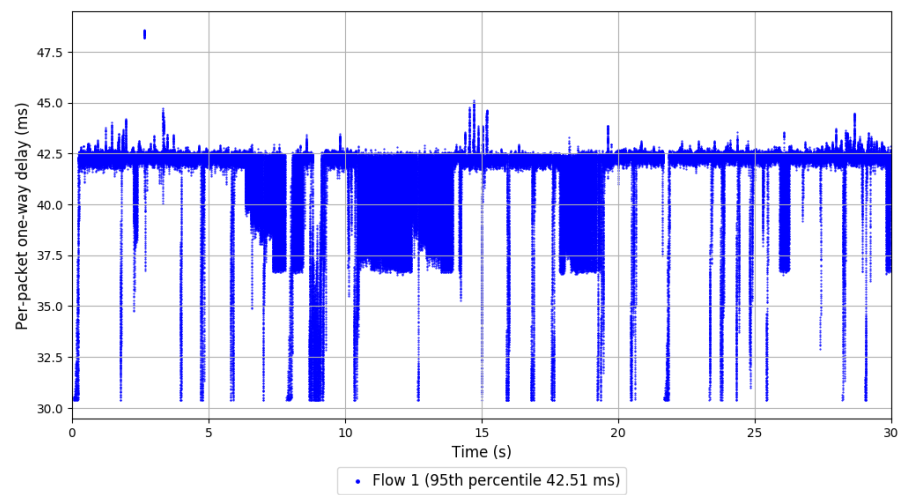
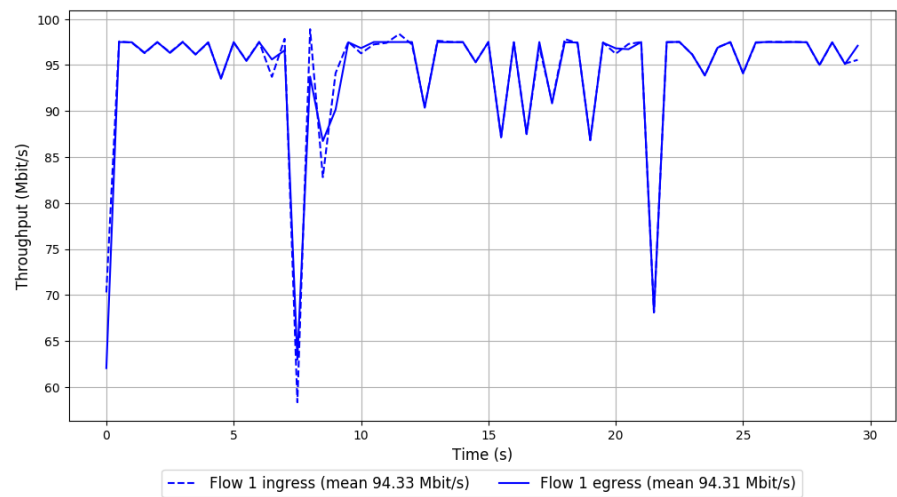


Run 3: Statistics of Verus

Start at: 2017-12-05 10:36:17
End at: 2017-12-05 10:36:47
Local clock offset: 10.245 ms
Remote clock offset: -10.167 ms

Below is generated by plot.py at 2017-12-05 15:45:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.31 Mbit/s
95th percentile per-packet one-way delay: 42.514 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 94.31 Mbit/s
95th percentile per-packet one-way delay: 42.514 ms
Loss rate: 0.12%

Run 3: Report of Verus — Data Link

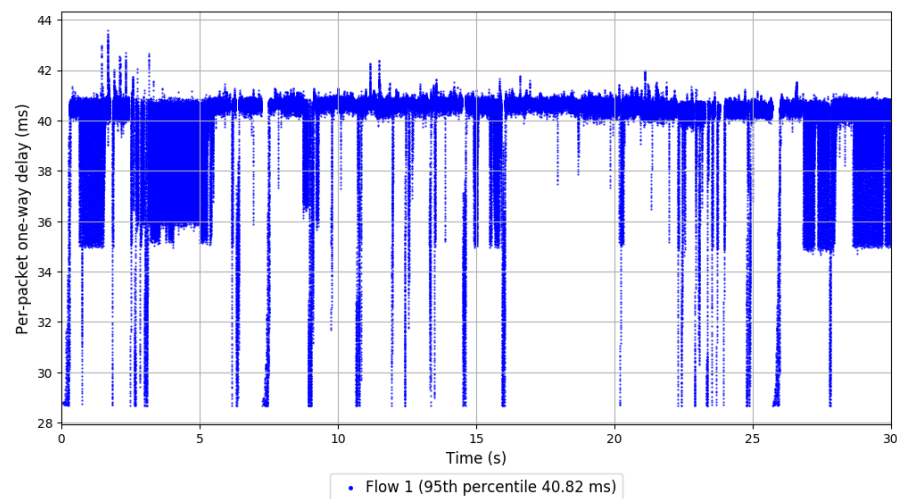
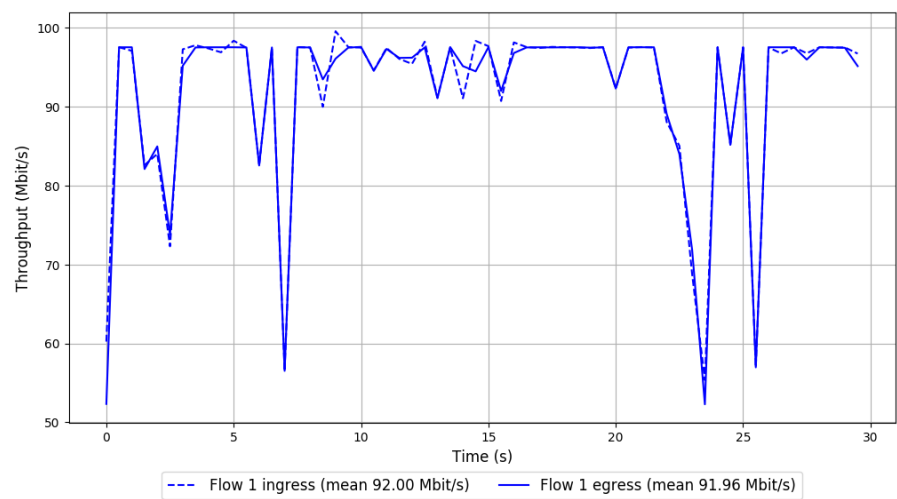


Run 4: Statistics of Verus

Start at: 2017-12-05 10:53:36
End at: 2017-12-05 10:54:06
Local clock offset: 7.081 ms
Remote clock offset: -11.454 ms

Below is generated by plot.py at 2017-12-05 15:45:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.96 Mbit/s
95th percentile per-packet one-way delay: 40.817 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 91.96 Mbit/s
95th percentile per-packet one-way delay: 40.817 ms
Loss rate: 0.17%

Run 4: Report of Verus — Data Link

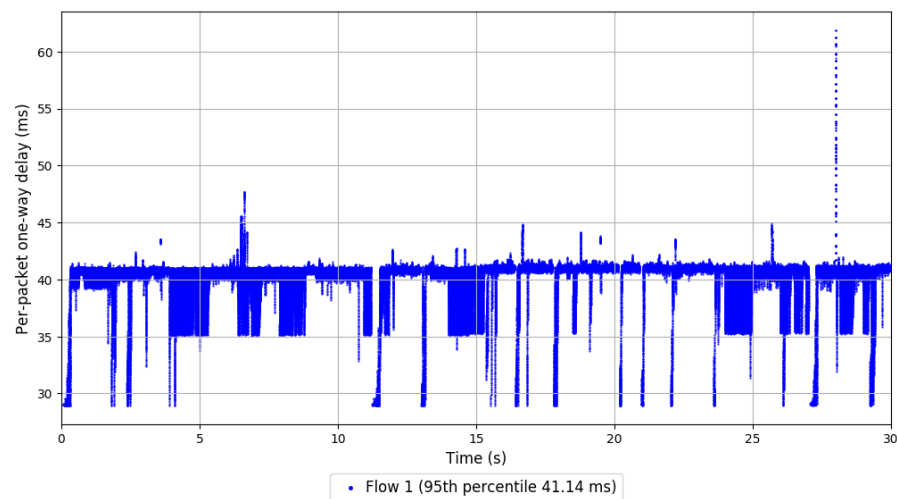
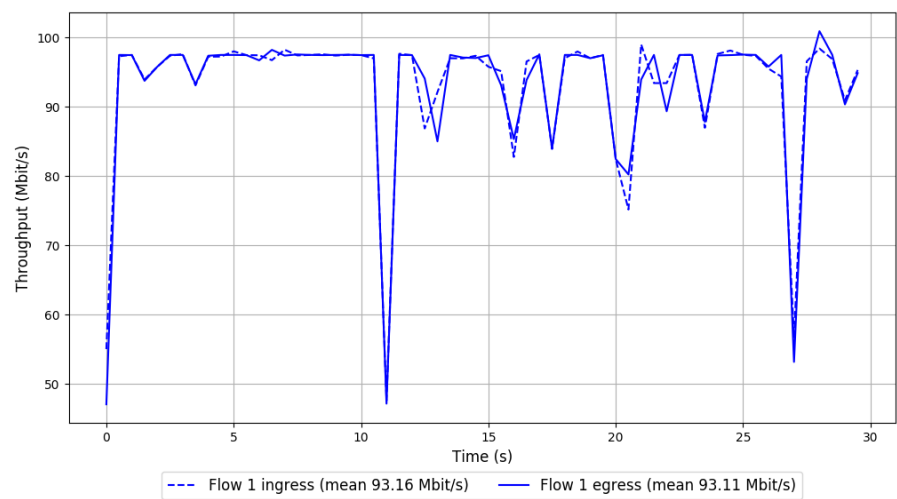


Run 5: Statistics of Verus

Start at: 2017-12-05 11:10:47
End at: 2017-12-05 11:11:17
Local clock offset: 7.515 ms
Remote clock offset: -9.474 ms

Below is generated by plot.py at 2017-12-05 15:45:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.11 Mbit/s
95th percentile per-packet one-way delay: 41.141 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 93.11 Mbit/s
95th percentile per-packet one-way delay: 41.141 ms
Loss rate: 0.15%

Run 5: Report of Verus — Data Link

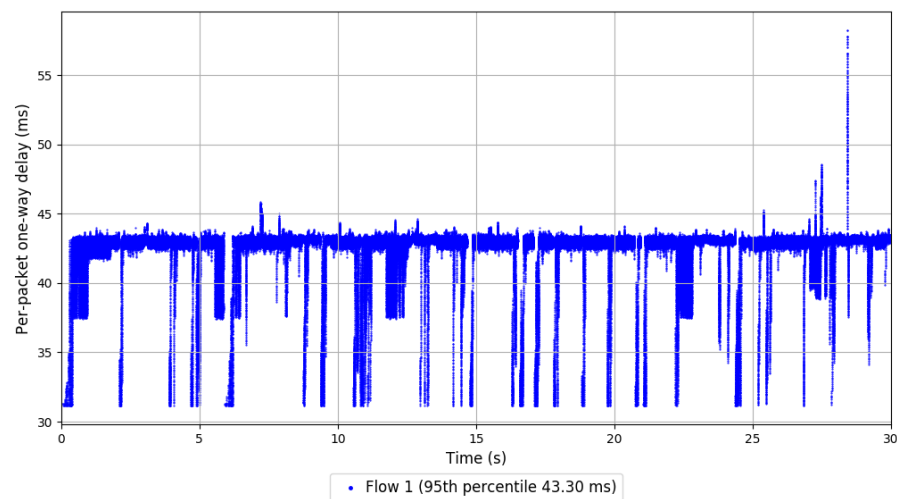
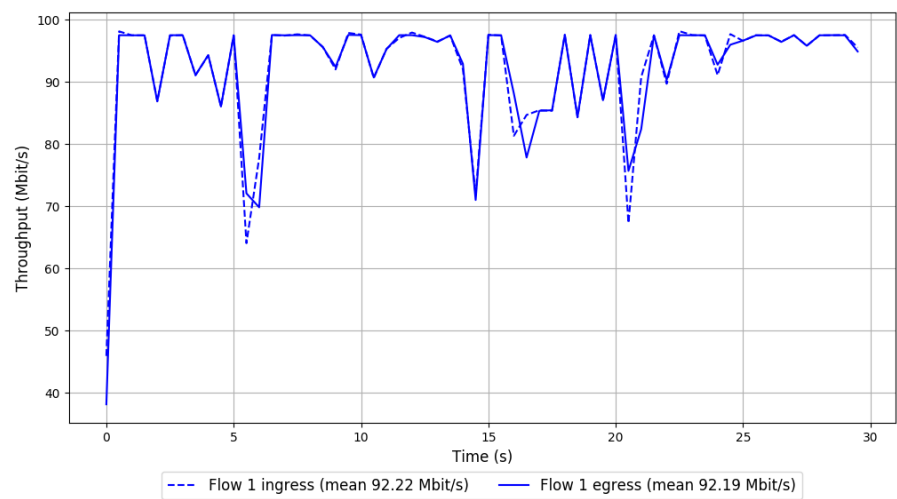


Run 6: Statistics of Verus

Start at: 2017-12-05 11:27:41
End at: 2017-12-05 11:28:11
Local clock offset: 5.373 ms
Remote clock offset: -12.467 ms

Below is generated by plot.py at 2017-12-05 15:46:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.19 Mbit/s
95th percentile per-packet one-way delay: 43.303 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 92.19 Mbit/s
95th percentile per-packet one-way delay: 43.303 ms
Loss rate: 0.16%

Run 6: Report of Verus — Data Link

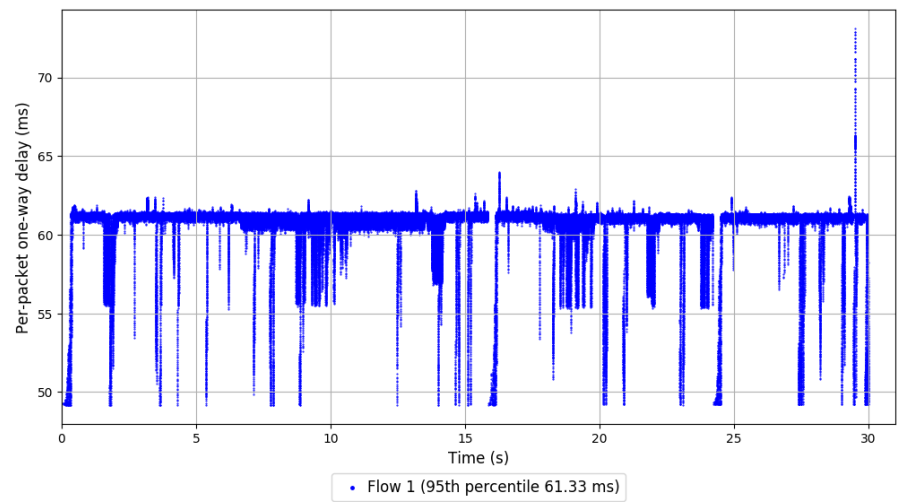
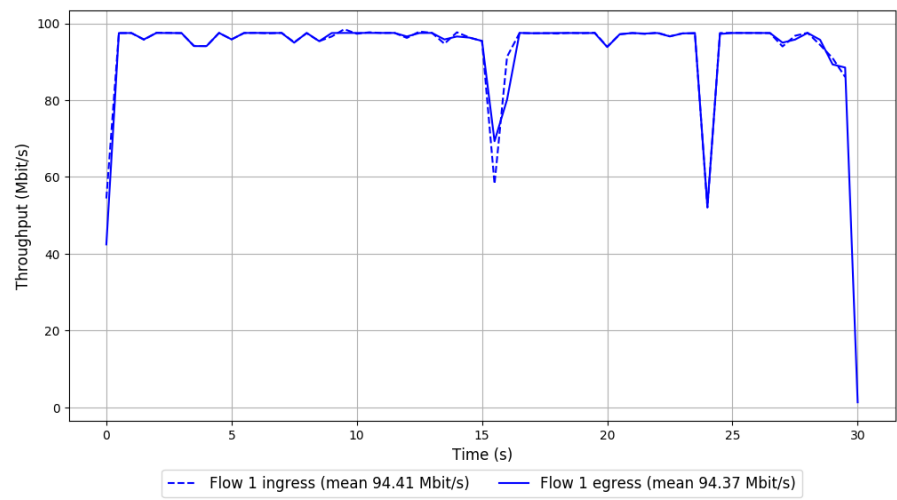


Run 7: Statistics of Verus

Start at: 2017-12-05 11:45:25
End at: 2017-12-05 11:45:55
Local clock offset: 6.853 ms
Remote clock offset: -29.55 ms

Below is generated by plot.py at 2017-12-05 15:46:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.37 Mbit/s
95th percentile per-packet one-way delay: 61.333 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 94.37 Mbit/s
95th percentile per-packet one-way delay: 61.333 ms
Loss rate: 0.15%

Run 7: Report of Verus — Data Link

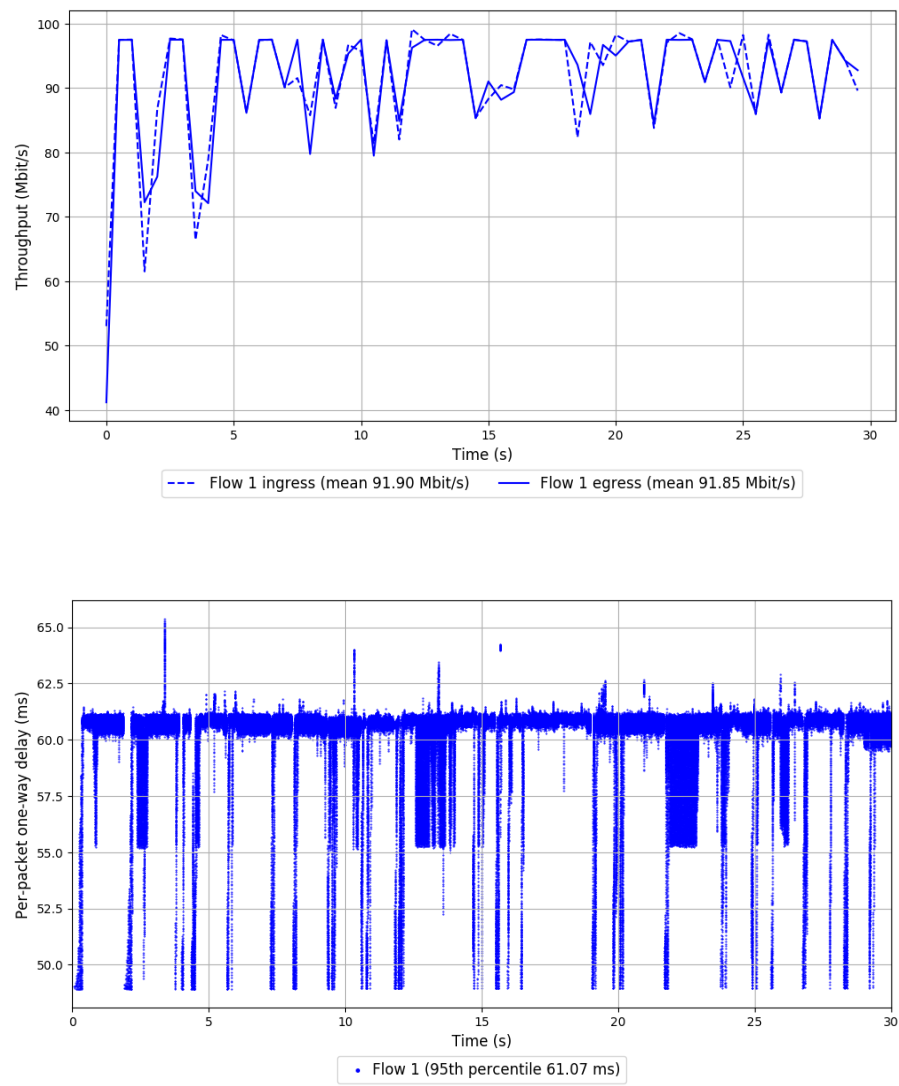


Run 8: Statistics of Verus

Start at: 2017-12-05 12:02:34
End at: 2017-12-05 12:03:04
Local clock offset: 4.028 ms
Remote clock offset: -30.74 ms

Below is generated by plot.py at 2017-12-05 15:46:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.85 Mbit/s
95th percentile per-packet one-way delay: 61.066 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 91.85 Mbit/s
95th percentile per-packet one-way delay: 61.066 ms
Loss rate: 0.16%

Run 8: Report of Verus — Data Link

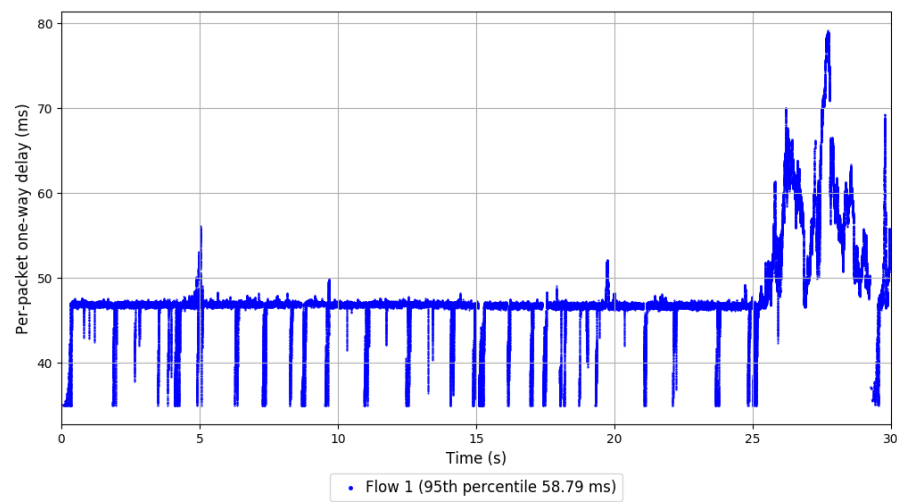
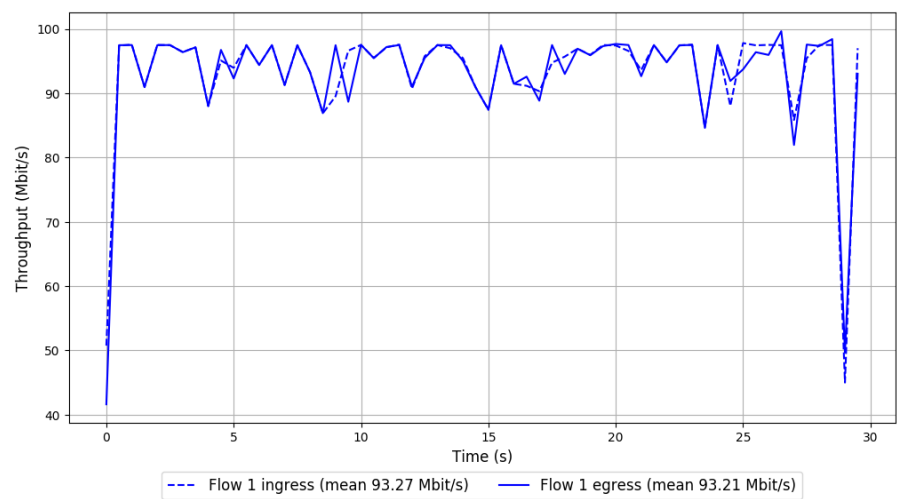


Run 9: Statistics of Verus

Start at: 2017-12-05 12:19:34
End at: 2017-12-05 12:20:04
Local clock offset: 4.275 ms
Remote clock offset: -13.098 ms

Below is generated by plot.py at 2017-12-05 15:46:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.21 Mbit/s
95th percentile per-packet one-way delay: 58.786 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 93.21 Mbit/s
95th percentile per-packet one-way delay: 58.786 ms
Loss rate: 0.18%

Run 9: Report of Verus — Data Link

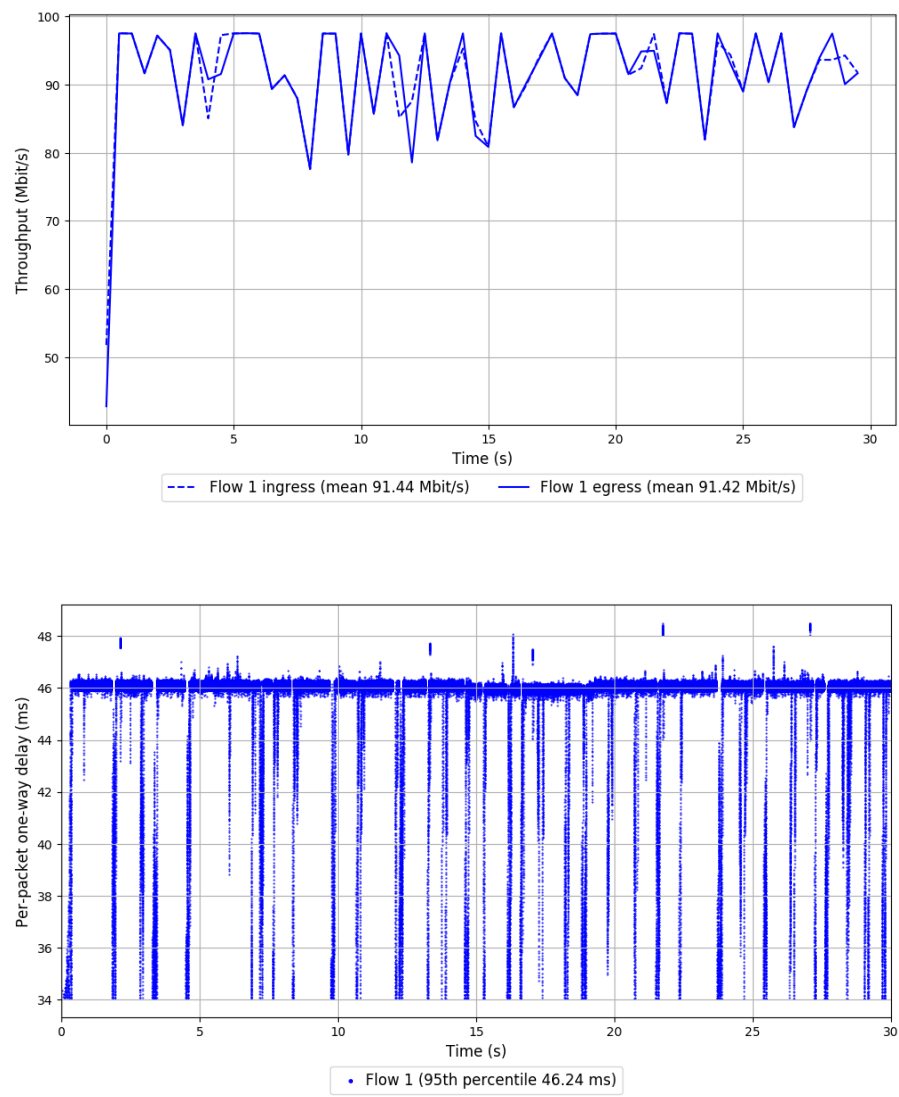


Run 10: Statistics of Verus

Start at: 2017-12-05 12:36:38
End at: 2017-12-05 12:37:08
Local clock offset: 2.639 ms
Remote clock offset: -13.983 ms

Below is generated by plot.py at 2017-12-05 15:46:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.42 Mbit/s
95th percentile per-packet one-way delay: 46.239 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 91.42 Mbit/s
95th percentile per-packet one-way delay: 46.239 ms
Loss rate: 0.17%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

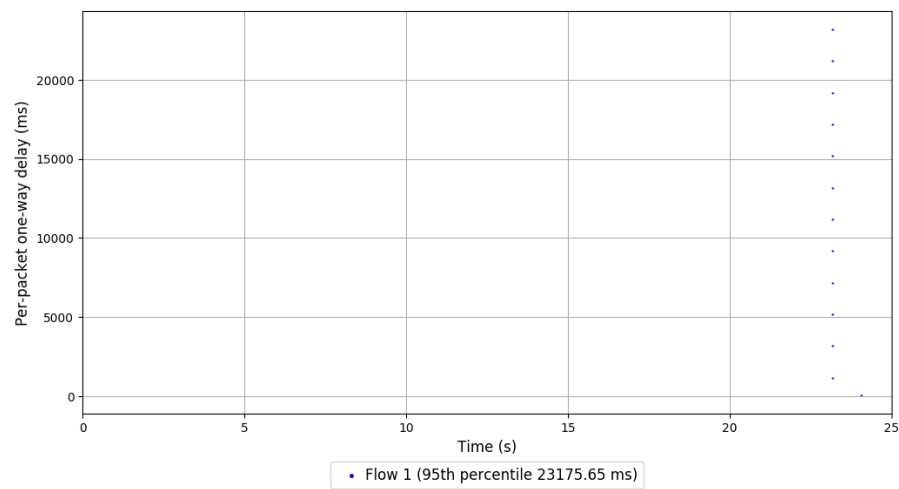
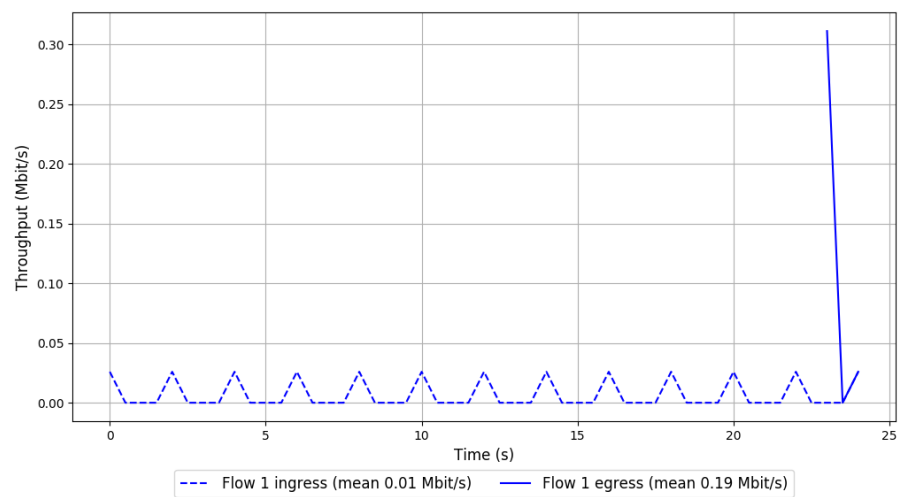
Start at: 2017-12-05 10:02:58

End at: 2017-12-05 10:03:28

Local clock offset: 8.106 ms

Remote clock offset: -11.518 ms

Run 1: Report of Copa — Data Link

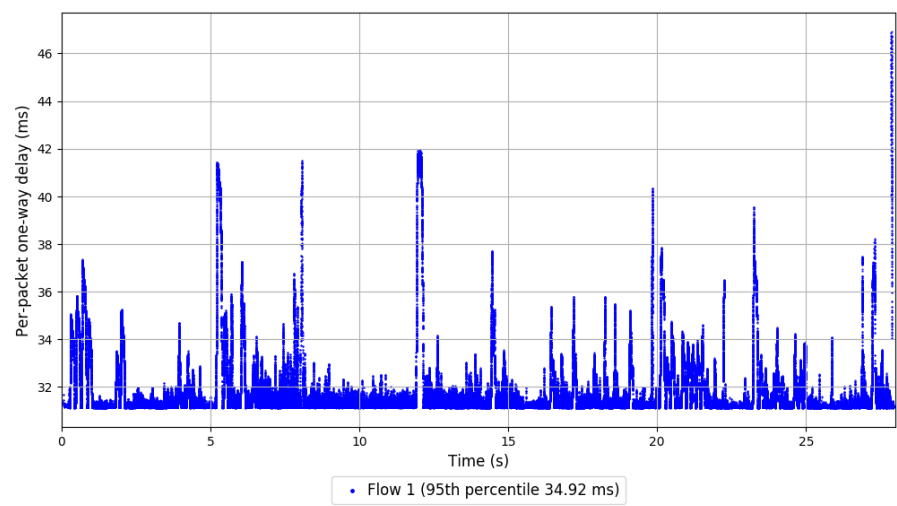
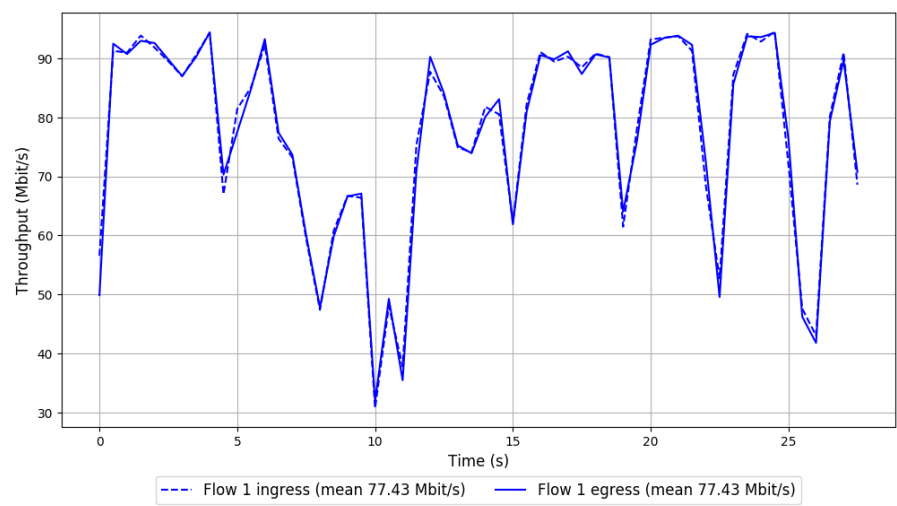


Run 2: Statistics of Copa

Start at: 2017-12-05 10:19:59
End at: 2017-12-05 10:20:29
Local clock offset: 5.799 ms
Remote clock offset: -13.325 ms

Below is generated by plot.py at 2017-12-05 15:47:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.43 Mbit/s
95th percentile per-packet one-way delay: 34.916 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 77.43 Mbit/s
95th percentile per-packet one-way delay: 34.916 ms
Loss rate: 0.09%

Run 2: Report of Copa — Data Link

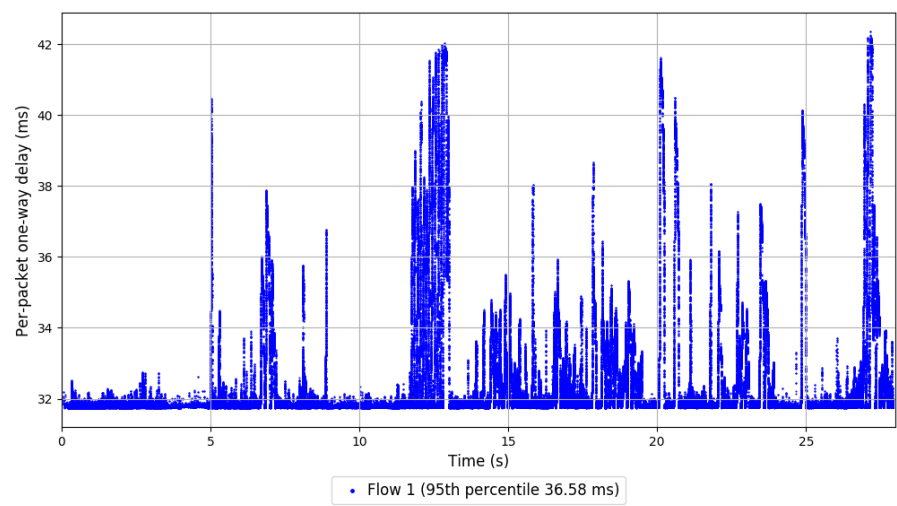
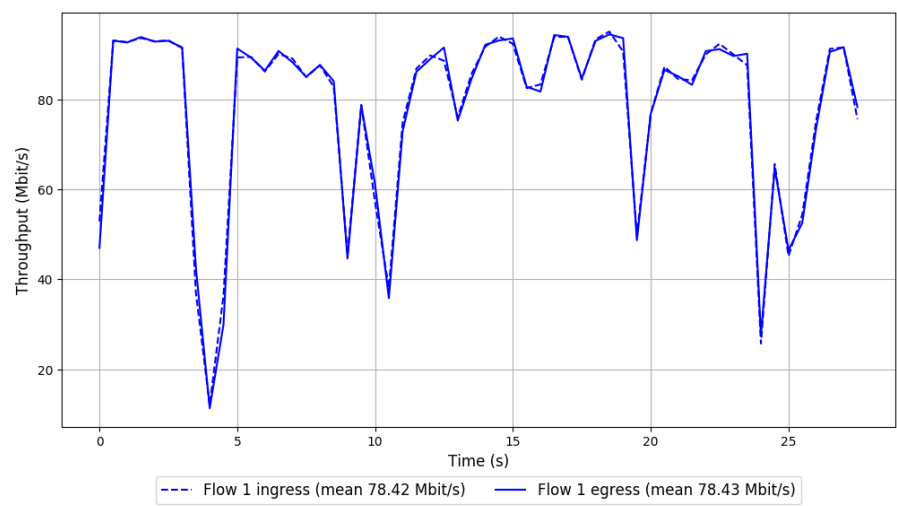


Run 3: Statistics of Copa

Start at: 2017-12-05 10:37:37
End at: 2017-12-05 10:38:07
Local clock offset: 9.616 ms
Remote clock offset: -12.146 ms

Below is generated by plot.py at 2017-12-05 15:47:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.43 Mbit/s
95th percentile per-packet one-way delay: 36.576 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 78.43 Mbit/s
95th percentile per-packet one-way delay: 36.576 ms
Loss rate: 0.08%

Run 3: Report of Copa — Data Link

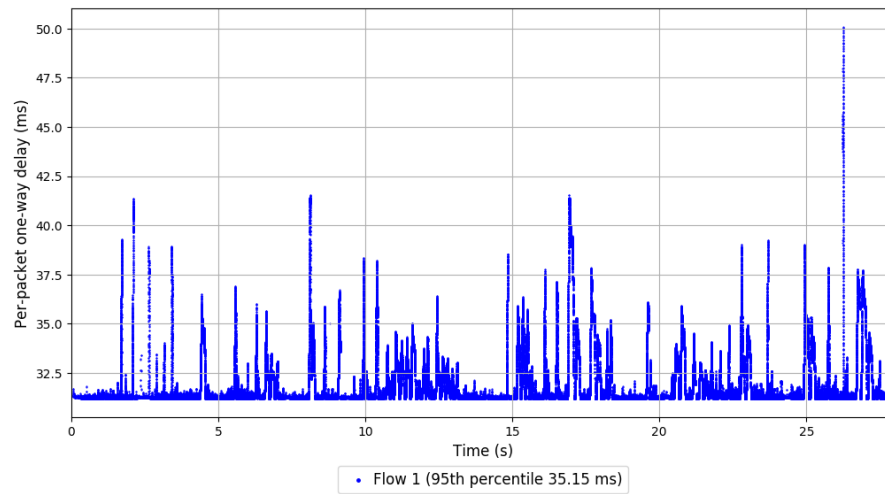
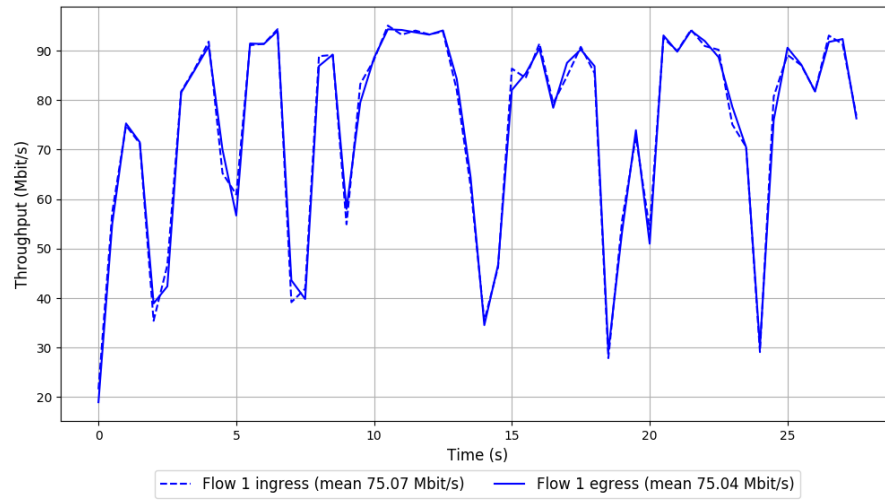


Run 4: Statistics of Copa

Start at: 2017-12-05 10:54:50
End at: 2017-12-05 10:55:20
Local clock offset: 9.356 ms
Remote clock offset: -11.705 ms

Below is generated by plot.py at 2017-12-05 15:47:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.04 Mbit/s
95th percentile per-packet one-way delay: 35.153 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 75.04 Mbit/s
95th percentile per-packet one-way delay: 35.153 ms
Loss rate: 0.14%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

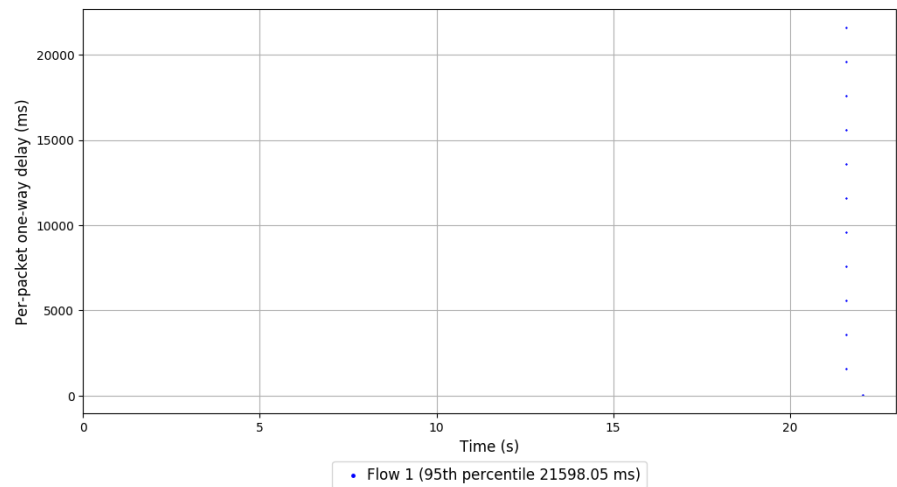
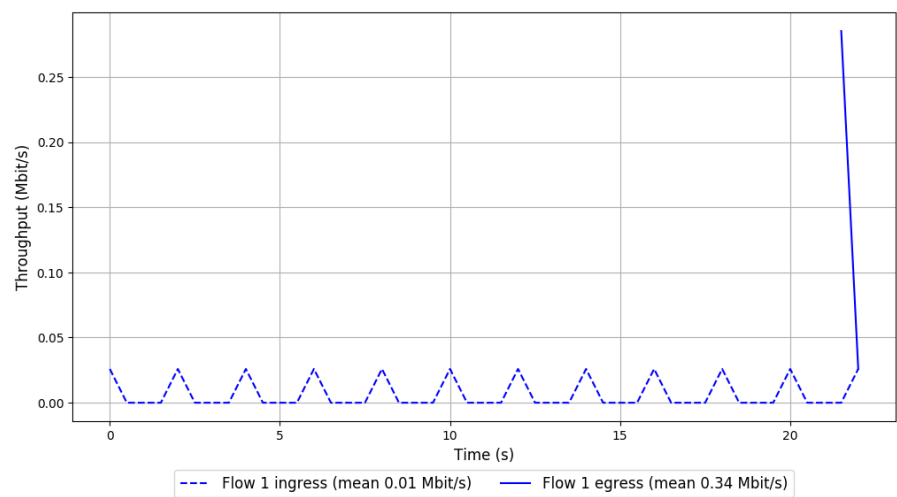
Start at: 2017-12-05 11:12:05

End at: 2017-12-05 11:12:35

Local clock offset: 6.519 ms

Remote clock offset: -11.043 ms

Run 5: Report of Copa — Data Link

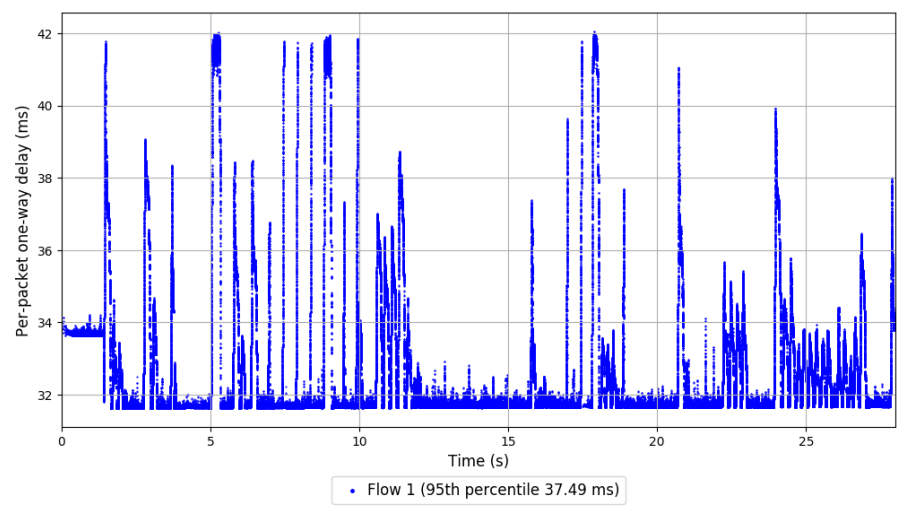
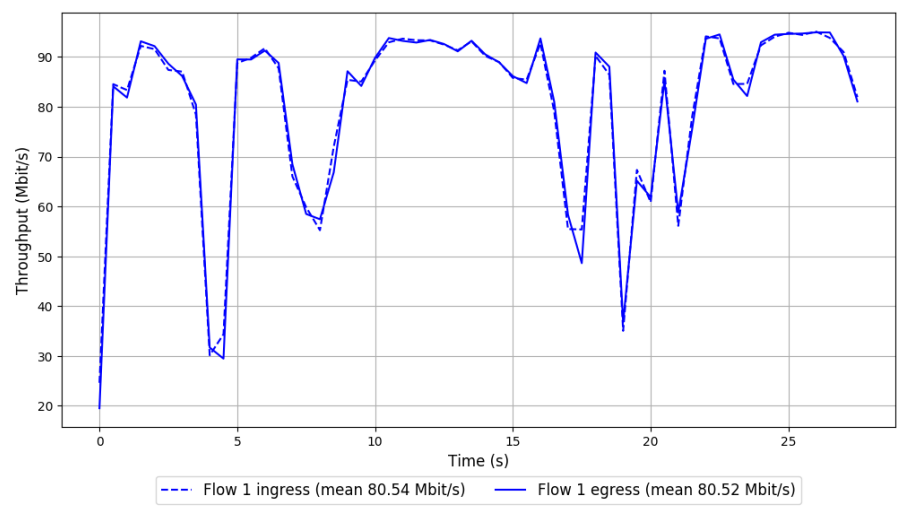


Run 6: Statistics of Copa

Start at: 2017-12-05 11:29:00
End at: 2017-12-05 11:29:30
Local clock offset: 7.736 ms
Remote clock offset: -12.224 ms

Below is generated by plot.py at 2017-12-05 15:48:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.52 Mbit/s
95th percentile per-packet one-way delay: 37.489 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 80.52 Mbit/s
95th percentile per-packet one-way delay: 37.489 ms
Loss rate: 0.15%

Run 6: Report of Copa — Data Link

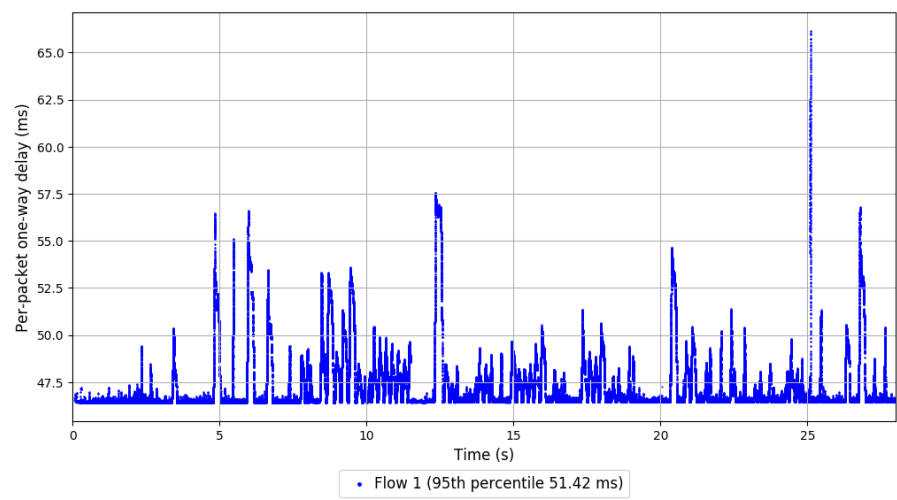
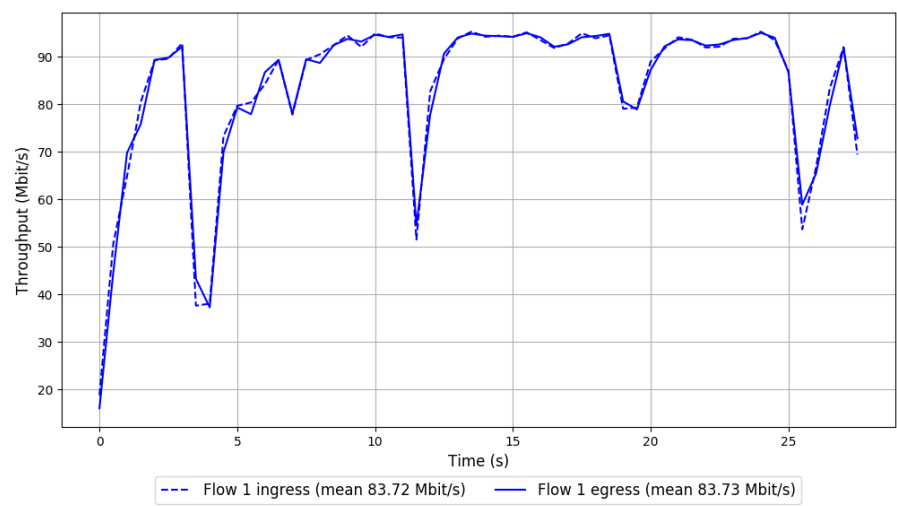


Run 7: Statistics of Copa

Start at: 2017-12-05 11:46:39
End at: 2017-12-05 11:47:09
Local clock offset: 5.483 ms
Remote clock offset: -28.037 ms

Below is generated by plot.py at 2017-12-05 15:49:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.73 Mbit/s
95th percentile per-packet one-way delay: 51.421 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 83.73 Mbit/s
95th percentile per-packet one-way delay: 51.421 ms
Loss rate: 0.11%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

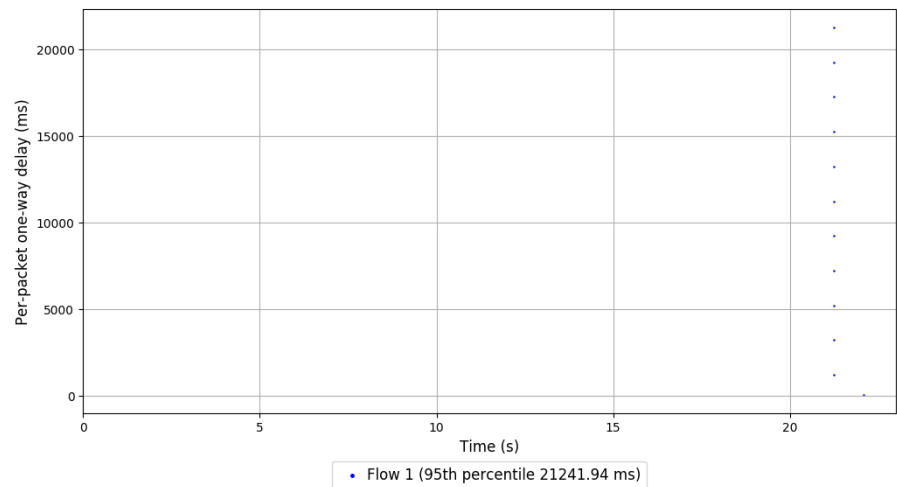
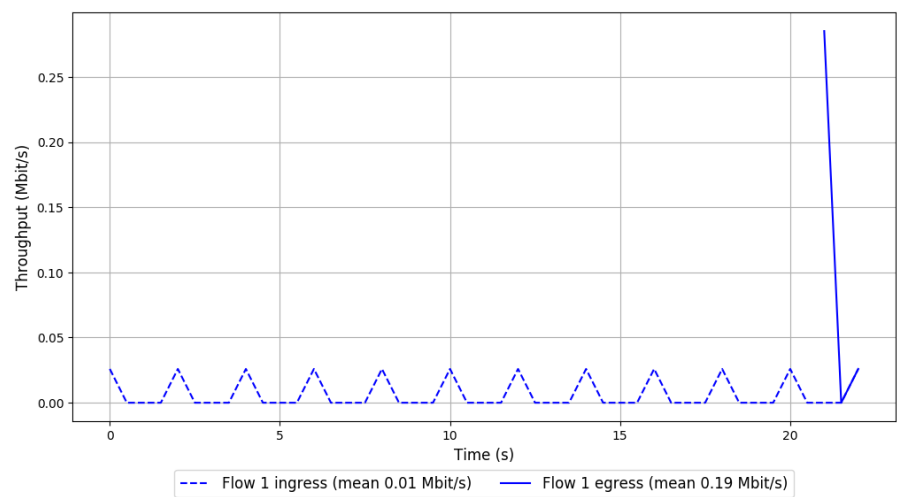
Start at: 2017-12-05 12:03:54

End at: 2017-12-05 12:04:24

Local clock offset: 5.94 ms

Remote clock offset: -29.312 ms

Run 8: Report of Copa — Data Link

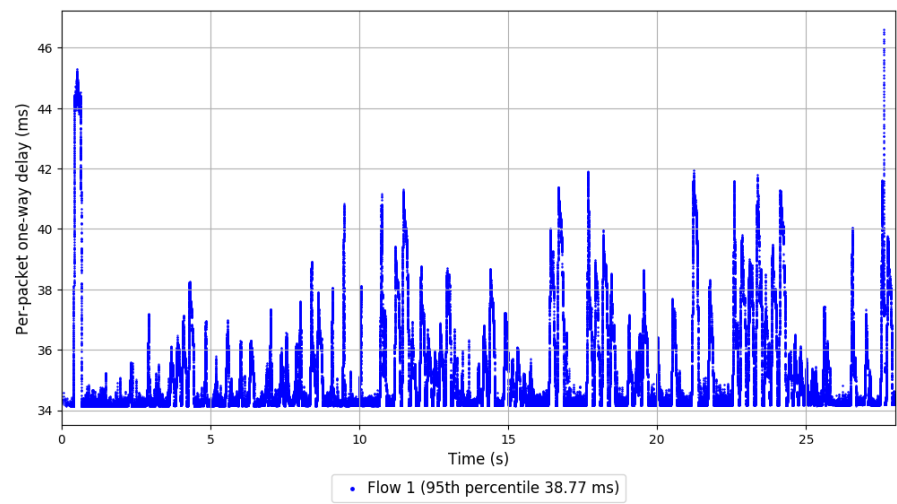
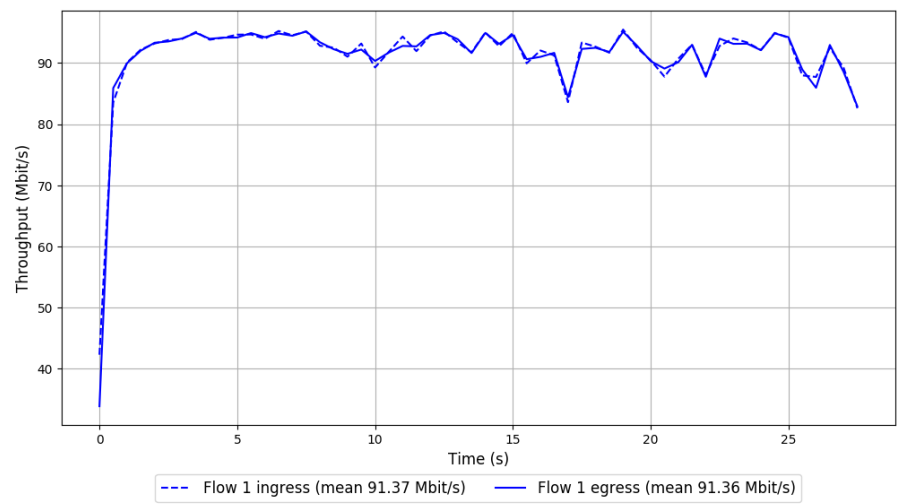


Run 9: Statistics of Copa

Start at: 2017-12-05 12:20:57
End at: 2017-12-05 12:21:27
Local clock offset: 4.756 ms
Remote clock offset: -11.74 ms

Below is generated by plot.py at 2017-12-05 15:49:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.36 Mbit/s
95th percentile per-packet one-way delay: 38.765 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 91.36 Mbit/s
95th percentile per-packet one-way delay: 38.765 ms
Loss rate: 0.14%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2017-12-05 12:37:51

End at: 2017-12-05 12:38:21

Local clock offset: 0.266 ms

Remote clock offset: -14.283 ms

Below is generated by plot.py at 2017-12-05 15:49:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.51 Mbit/s

95th percentile per-packet one-way delay: 35.797 ms

Loss rate: 0.13%

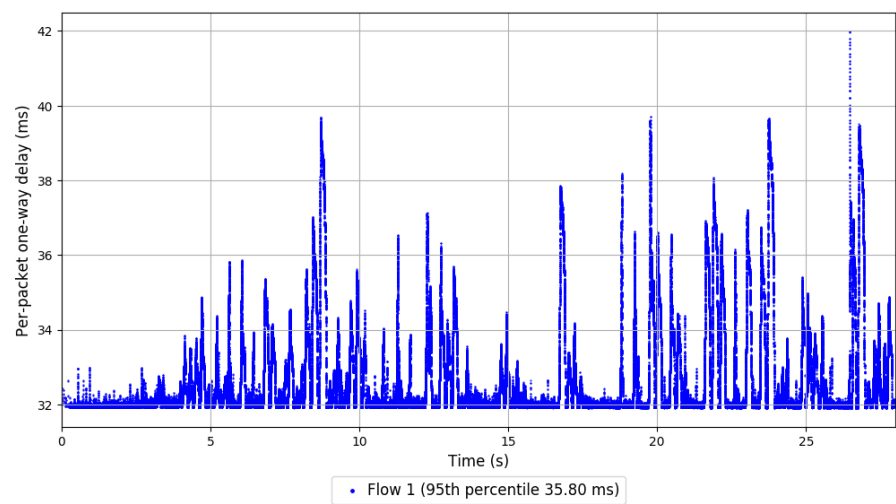
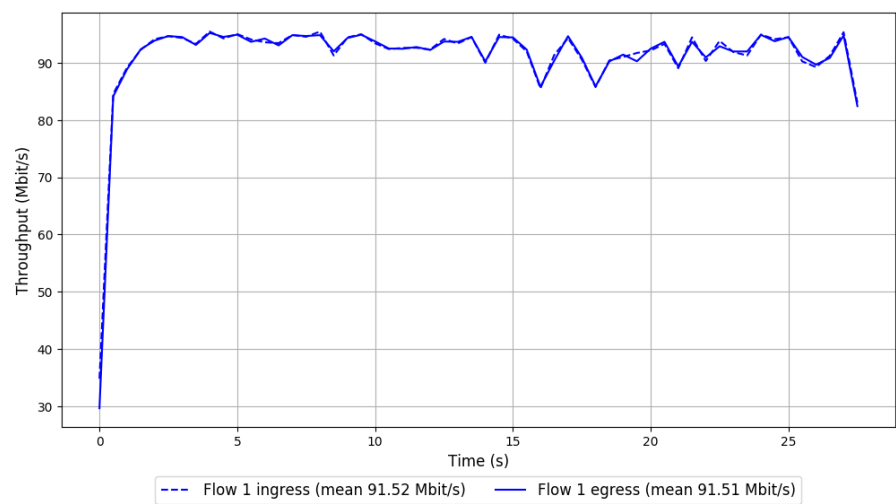
-- Flow 1:

Average throughput: 91.51 Mbit/s

95th percentile per-packet one-way delay: 35.797 ms

Loss rate: 0.13%

Run 10: Report of Copa — Data Link

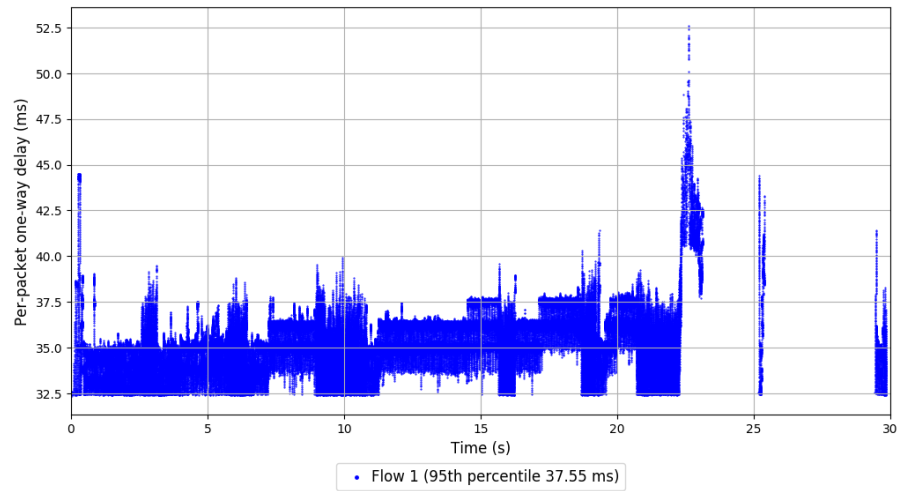
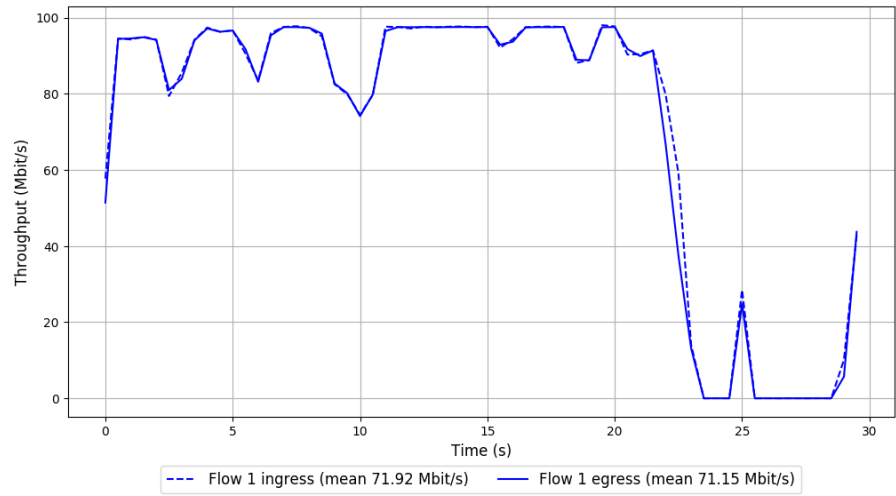


```
Run 1: Statistics of Indigo

Start at: 2017-12-05 10:04:03
End at: 2017-12-05 10:04:33
Local clock offset: 7.675 ms
Remote clock offset: -12.292 ms

# Below is generated by plot.py at 2017-12-05 15:49:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.15 Mbit/s
95th percentile per-packet one-way delay: 37.546 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 71.15 Mbit/s
95th percentile per-packet one-way delay: 37.546 ms
Loss rate: 1.15%
```


Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2017-12-05 10:21:27

End at: 2017-12-05 10:21:57

Local clock offset: 7.389 ms

Remote clock offset: -11.577 ms

Below is generated by plot.py at 2017-12-05 15:49:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.79 Mbit/s

95th percentile per-packet one-way delay: 36.052 ms

Loss rate: 0.11%

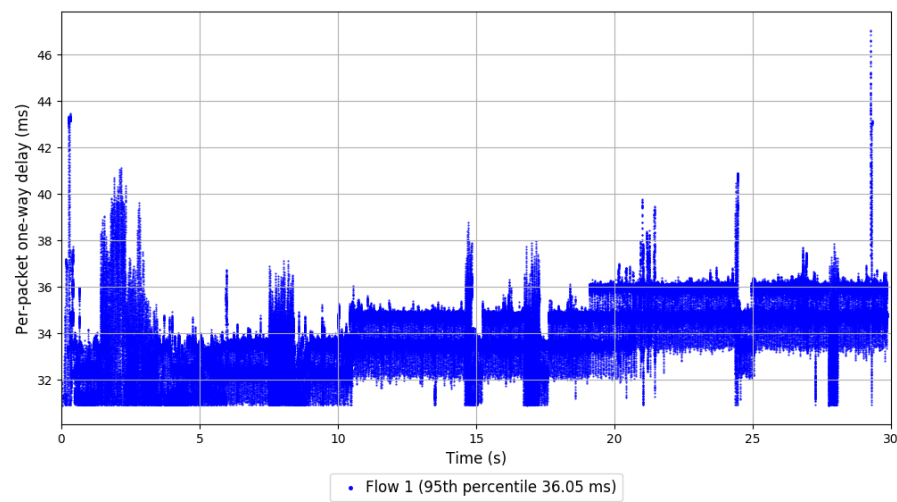
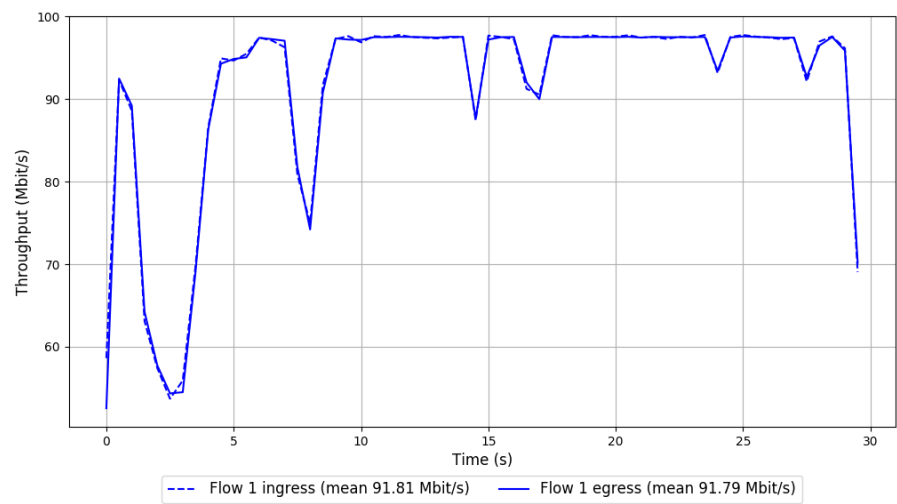
-- Flow 1:

Average throughput: 91.79 Mbit/s

95th percentile per-packet one-way delay: 36.052 ms

Loss rate: 0.11%

Run 2: Report of Indigo — Data Link

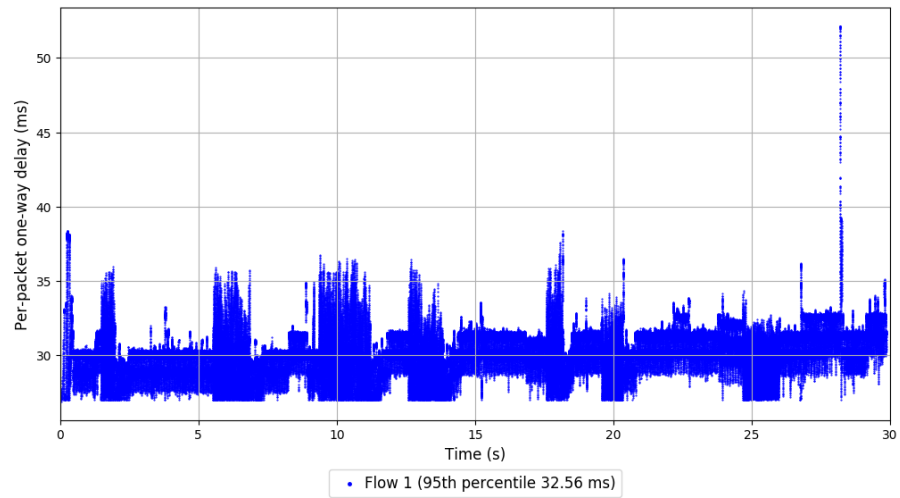
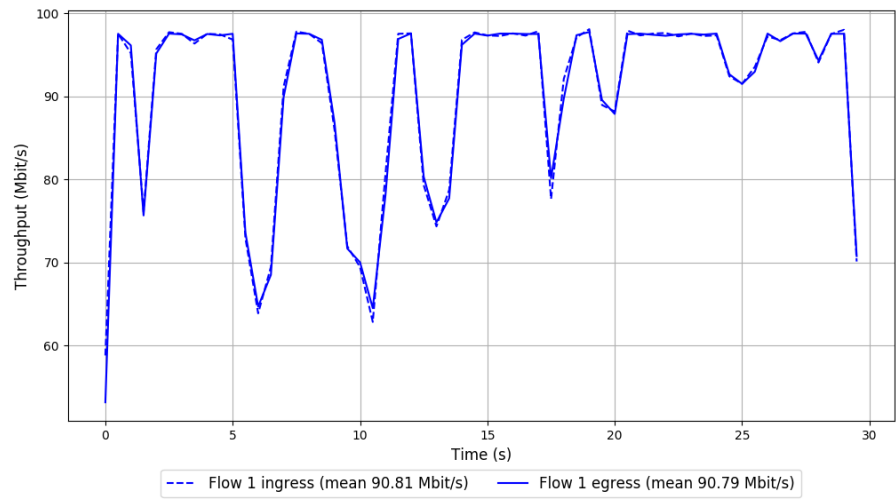


Run 3: Statistics of Indigo

Start at: 2017-12-05 10:38:52
End at: 2017-12-05 10:39:22
Local clock offset: 6.562 ms
Remote clock offset: -10.439 ms

Below is generated by plot.py at 2017-12-05 15:49:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.79 Mbit/s
95th percentile per-packet one-way delay: 32.561 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 90.79 Mbit/s
95th percentile per-packet one-way delay: 32.561 ms
Loss rate: 0.10%

Run 3: Report of Indigo — Data Link

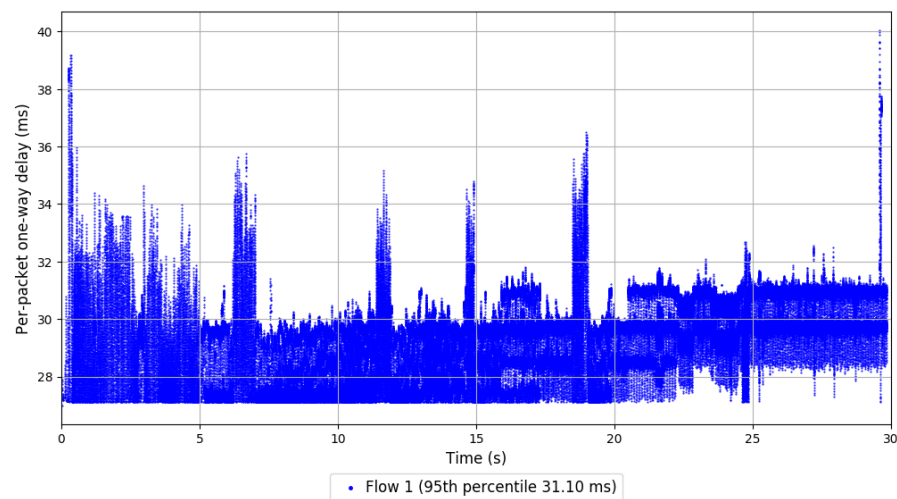
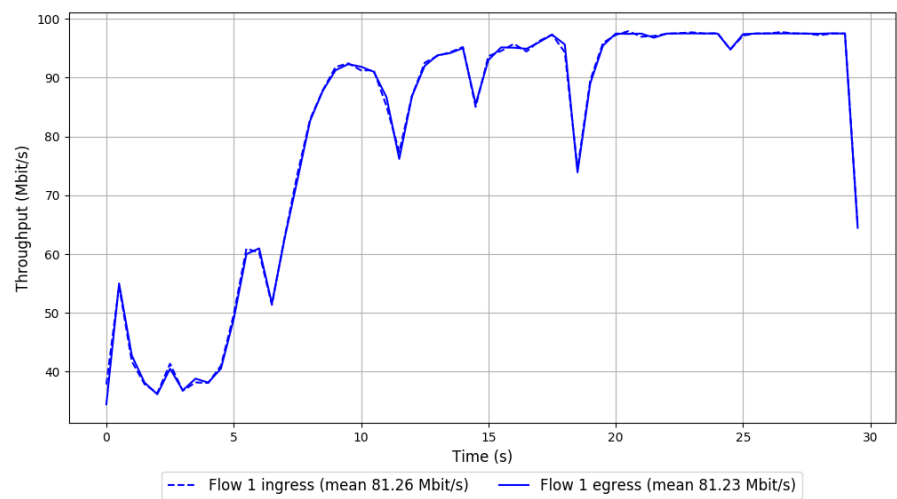


Run 4: Statistics of Indigo

Start at: 2017-12-05 10:56:10
End at: 2017-12-05 10:56:40
Local clock offset: 6.487 ms
Remote clock offset: -10.499 ms

Below is generated by plot.py at 2017-12-05 15:49:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.23 Mbit/s
95th percentile per-packet one-way delay: 31.102 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 81.23 Mbit/s
95th percentile per-packet one-way delay: 31.102 ms
Loss rate: 0.13%

Run 4: Report of Indigo — Data Link

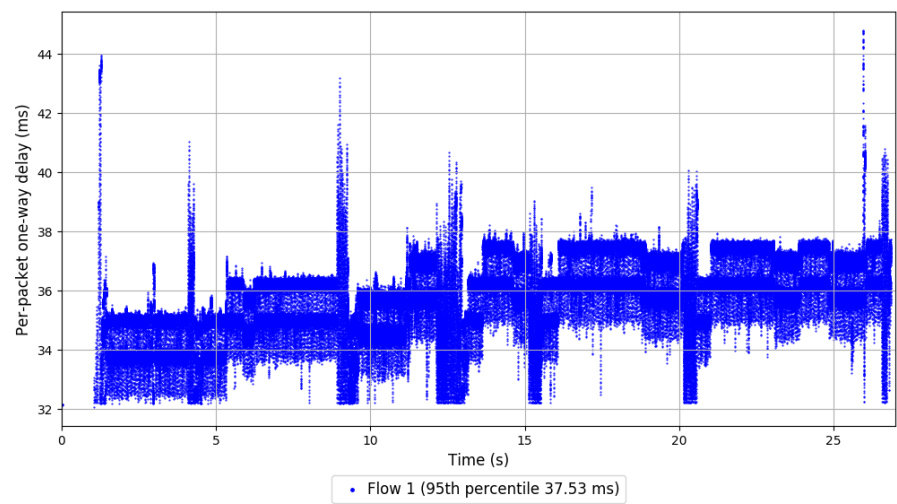
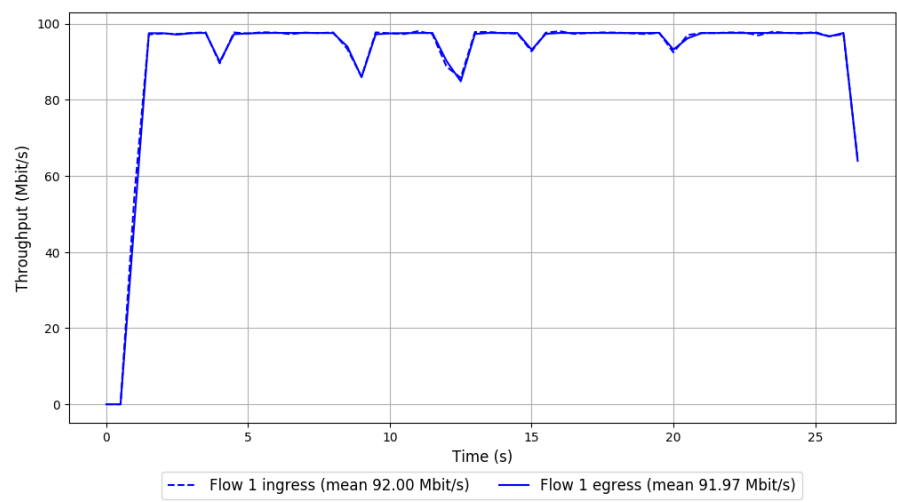


Run 5: Statistics of Indigo

Start at: 2017-12-05 11:13:10
End at: 2017-12-05 11:13:40
Local clock offset: 9.212 ms
Remote clock offset: -10.846 ms

Below is generated by plot.py at 2017-12-05 15:49:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.97 Mbit/s
95th percentile per-packet one-way delay: 37.527 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 91.97 Mbit/s
95th percentile per-packet one-way delay: 37.527 ms
Loss rate: 0.14%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2017-12-05 11:30:20

End at: 2017-12-05 11:30:51

Local clock offset: 5.905 ms

Remote clock offset: -30.028 ms

Below is generated by plot.py at 2017-12-05 15:49:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.04 Mbit/s

95th percentile per-packet one-way delay: 53.858 ms

Loss rate: 0.13%

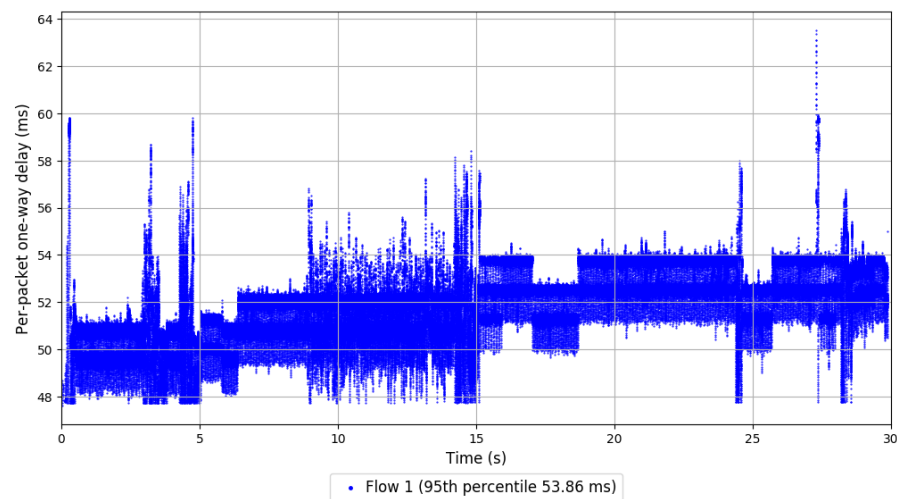
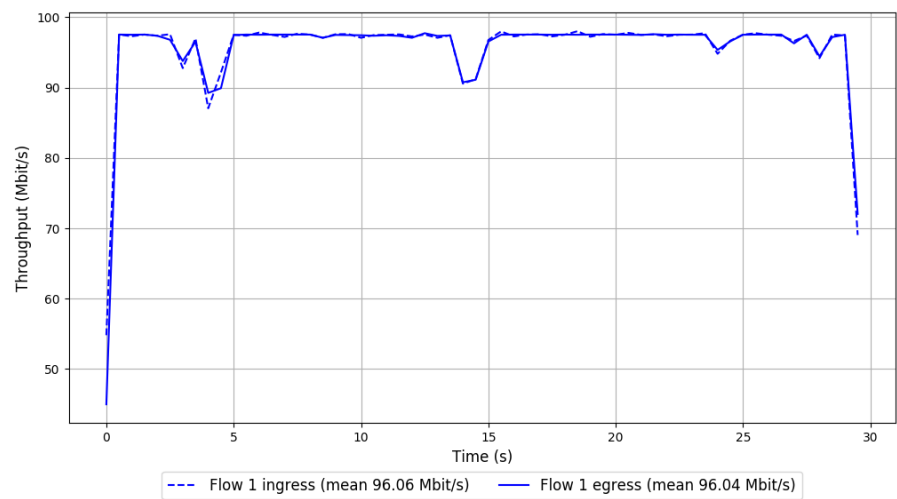
-- Flow 1:

Average throughput: 96.04 Mbit/s

95th percentile per-packet one-way delay: 53.858 ms

Loss rate: 0.13%

Run 6: Report of Indigo — Data Link

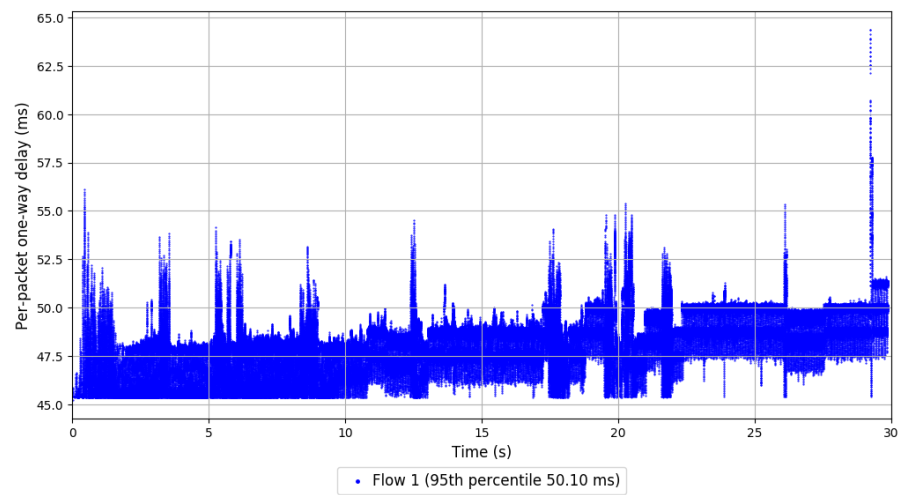
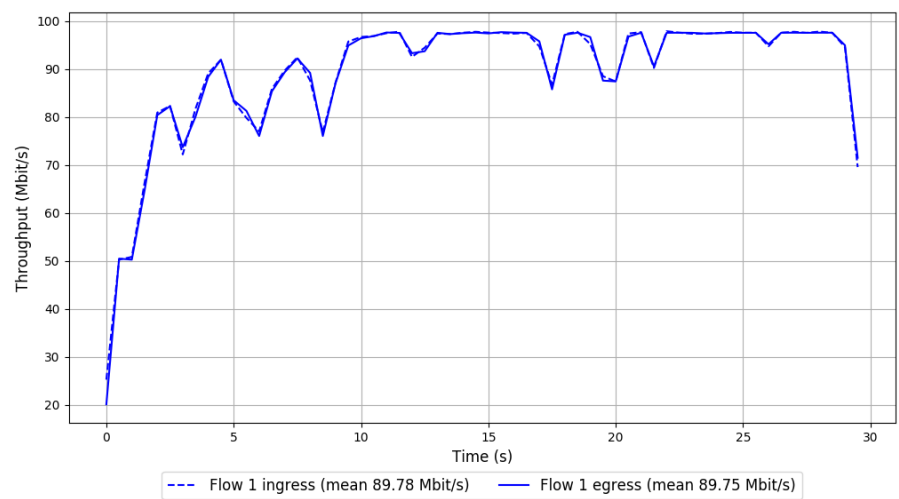


Run 7: Statistics of Indigo

Start at: 2017-12-05 11:47:59
End at: 2017-12-05 11:48:29
Local clock offset: 4.355 ms
Remote clock offset: -27.961 ms

Below is generated by plot.py at 2017-12-05 15:50:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.75 Mbit/s
95th percentile per-packet one-way delay: 50.104 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 89.75 Mbit/s
95th percentile per-packet one-way delay: 50.104 ms
Loss rate: 0.14%

Run 7: Report of Indigo — Data Link

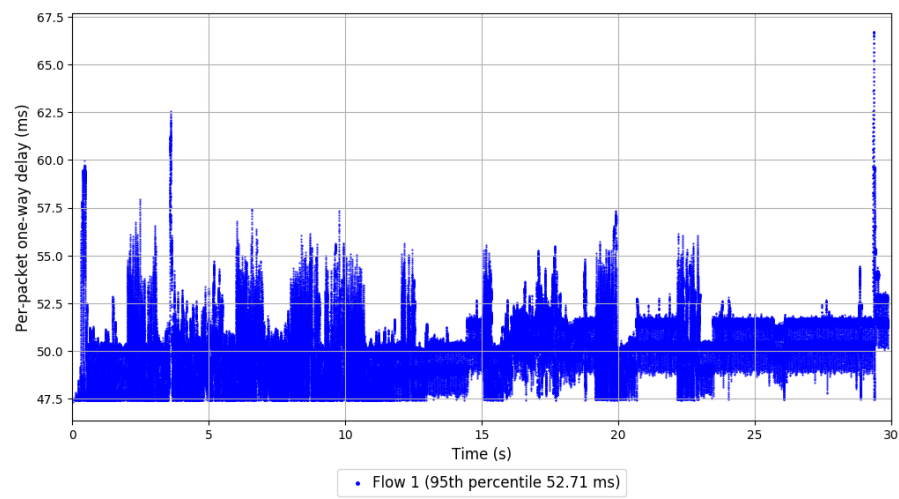
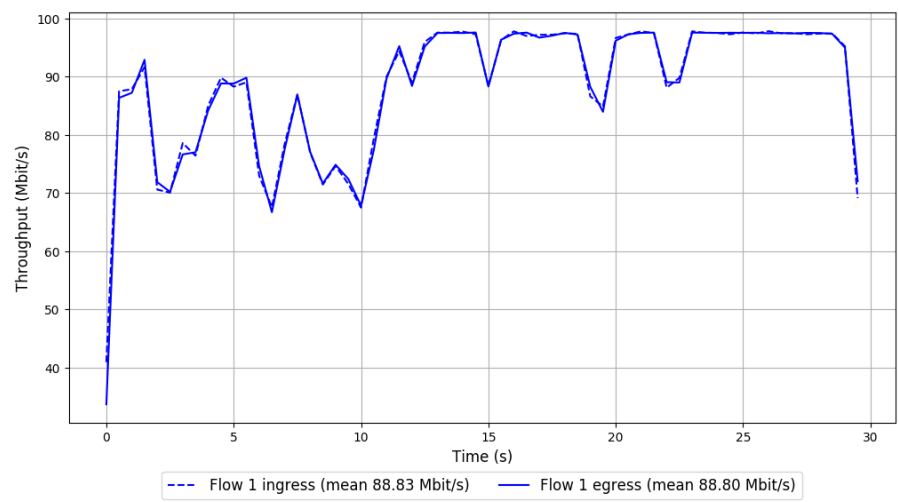


Run 8: Statistics of Indigo

Start at: 2017-12-05 12:04:59
End at: 2017-12-05 12:05:29
Local clock offset: 4.661 ms
Remote clock offset: -28.348 ms

Below is generated by plot.py at 2017-12-05 15:50:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.80 Mbit/s
95th percentile per-packet one-way delay: 52.706 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 88.80 Mbit/s
95th percentile per-packet one-way delay: 52.706 ms
Loss rate: 0.13%

Run 8: Report of Indigo — Data Link

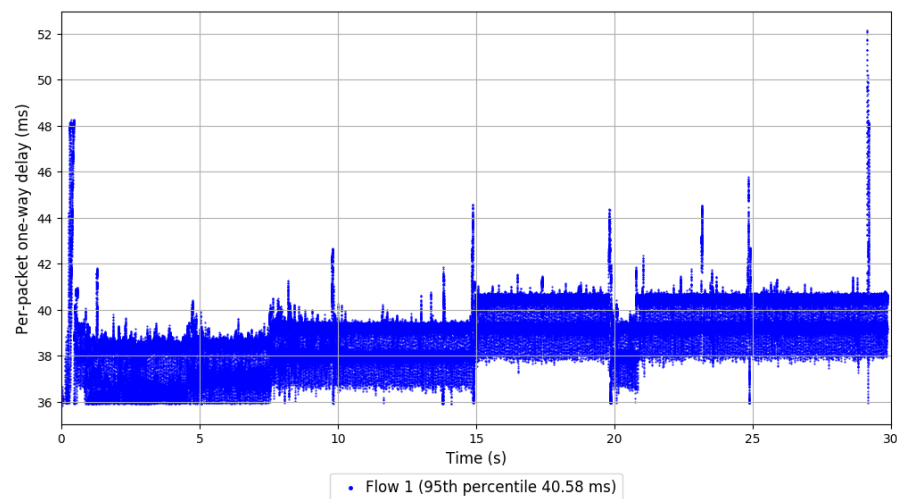
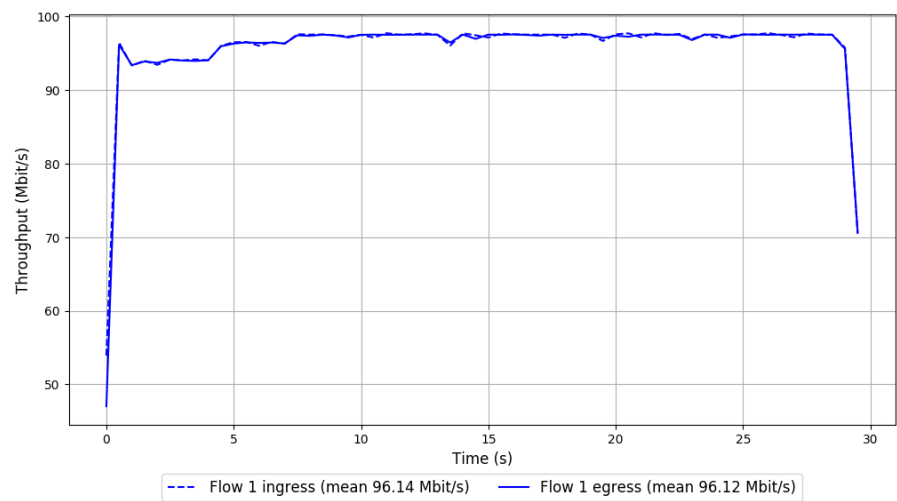


Run 9: Statistics of Indigo

Start at: 2017-12-05 12:22:19
End at: 2017-12-05 12:22:49
Local clock offset: 2.375 ms
Remote clock offset: -15.787 ms

Below is generated by plot.py at 2017-12-05 15:50:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.12 Mbit/s
95th percentile per-packet one-way delay: 40.583 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 96.12 Mbit/s
95th percentile per-packet one-way delay: 40.583 ms
Loss rate: 0.13%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2017-12-05 12:39:07

End at: 2017-12-05 12:39:37

Local clock offset: 3.355 ms

Remote clock offset: -16.33 ms

Below is generated by plot.py at 2017-12-05 15:50:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.13 Mbit/s

95th percentile per-packet one-way delay: 43.363 ms

Loss rate: 0.14%

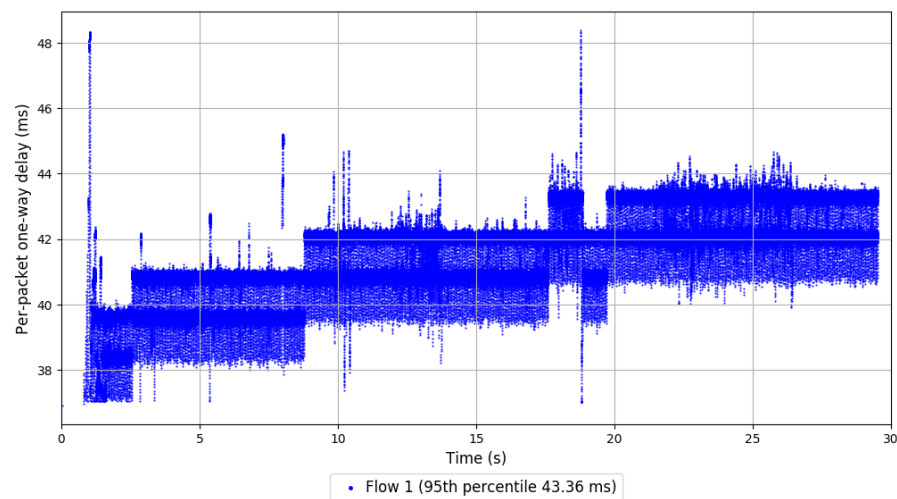
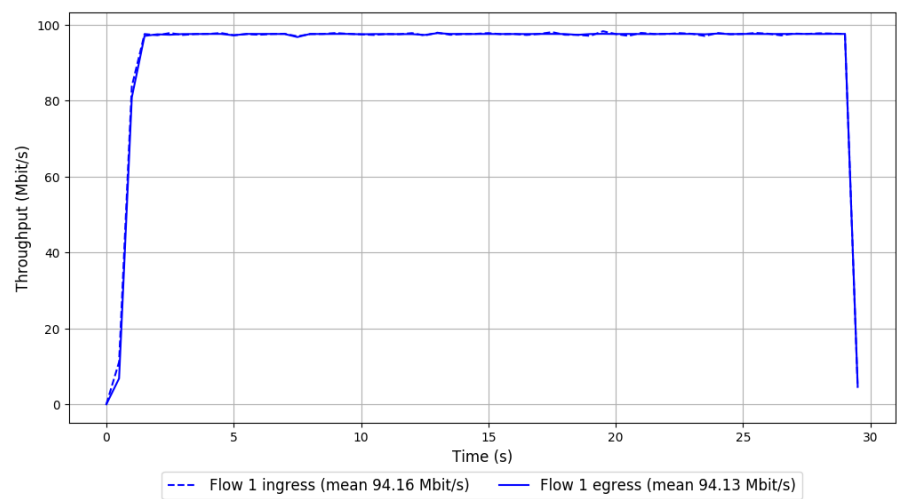
-- Flow 1:

Average throughput: 94.13 Mbit/s

95th percentile per-packet one-way delay: 43.363 ms

Loss rate: 0.14%

Run 10: Report of Indigo — Data Link

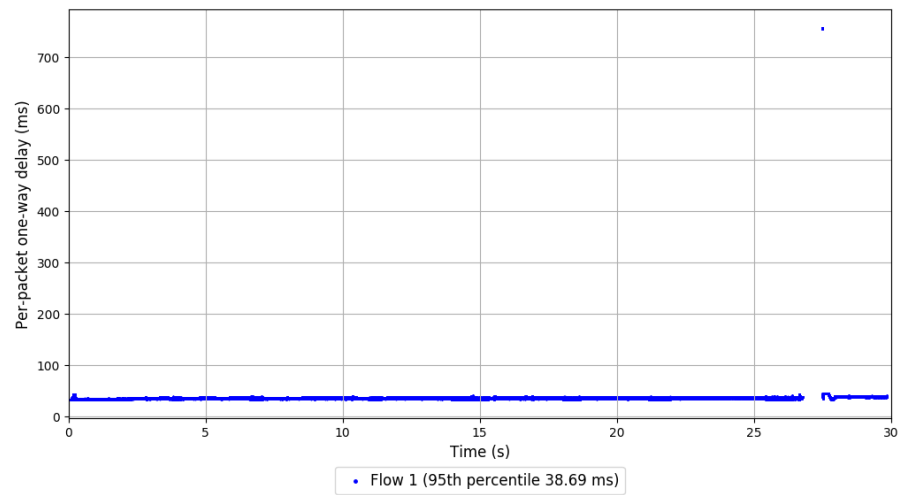
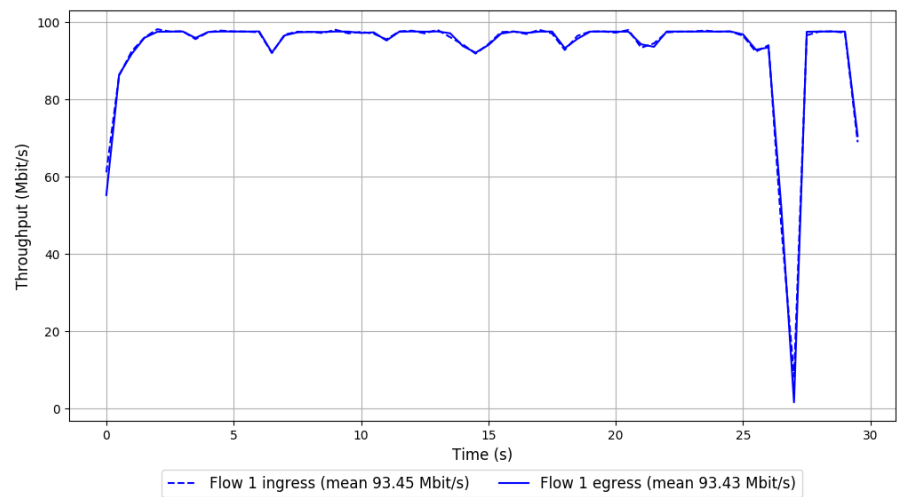


```
Run 1: Statistics of Indigo-calib

Start at: 2017-12-05 09:56:24
End at: 2017-12-05 09:56:54
Local clock offset: 7.08 ms
Remote clock offset: -13.038 ms

# Below is generated by plot.py at 2017-12-05 15:50:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.43 Mbit/s
95th percentile per-packet one-way delay: 38.688 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 93.43 Mbit/s
95th percentile per-packet one-way delay: 38.688 ms
Loss rate: 0.11%
```

Run 1: Report of Indigo-calib — Data Link



Run 2: Statistics of Indigo-calib

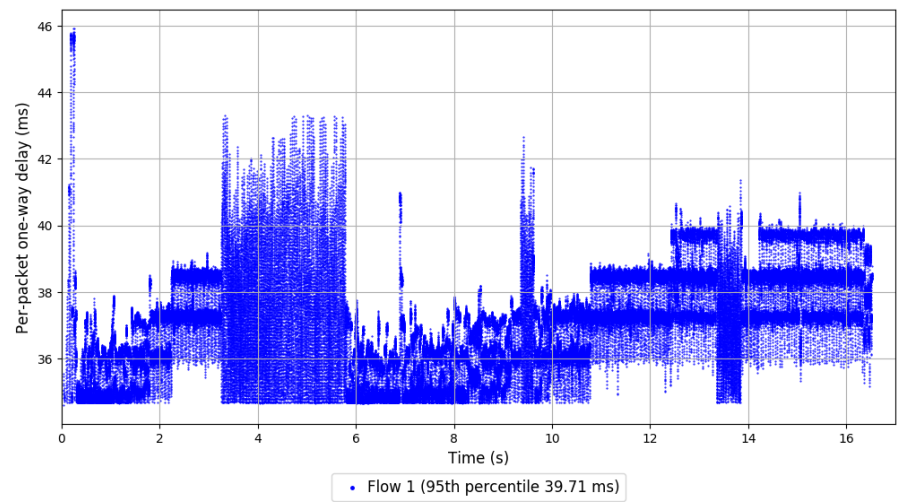
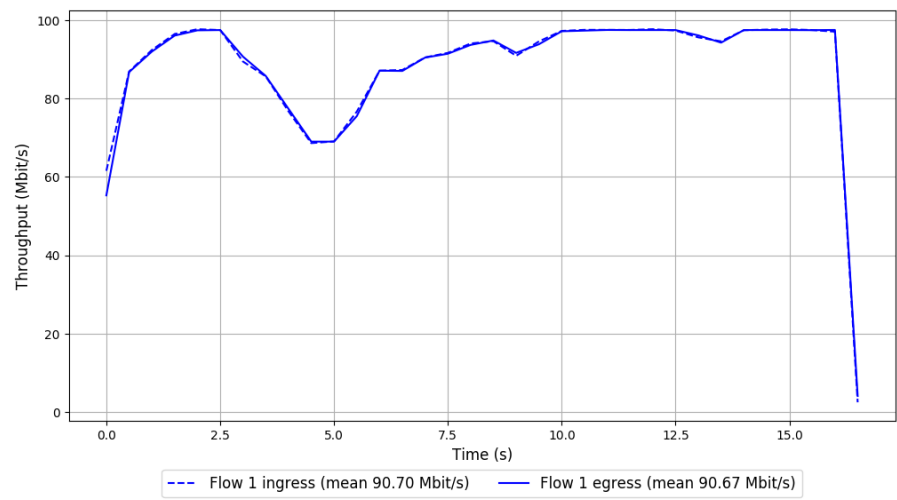
Start at: 2017-12-05 10:13:39

End at: 2017-12-05 10:14:09

Local clock offset: 9.339 ms

Remote clock offset: -13.161 ms

Run 2: Report of Indigo-calib — Data Link

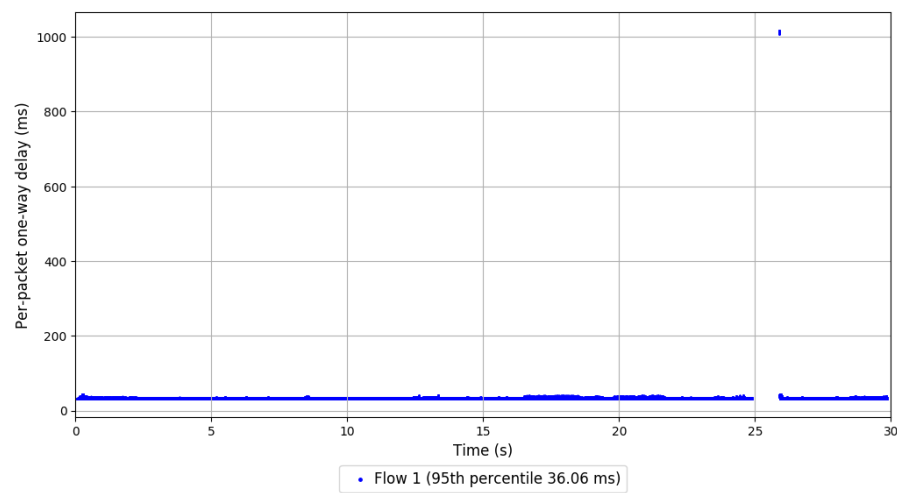
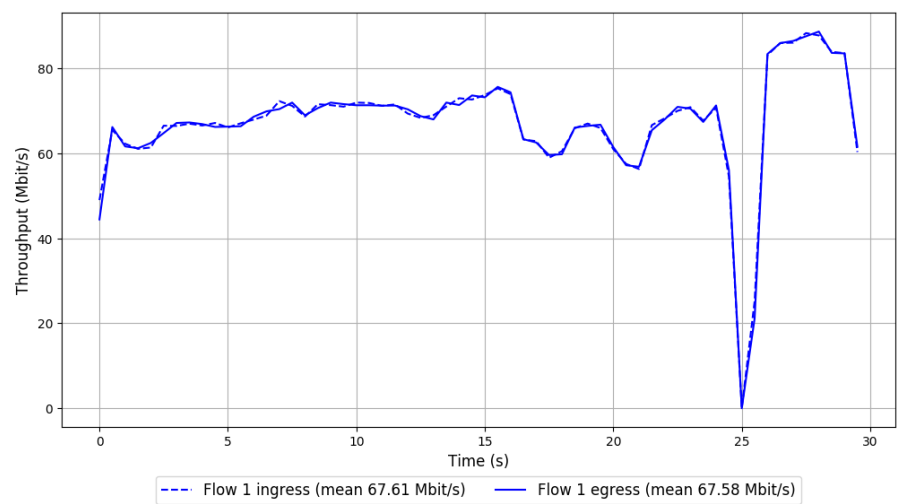


```
Run 3: Statistics of Indigo-calib

Start at: 2017-12-05 10:31:15
End at: 2017-12-05 10:31:45
Local clock offset: 9.322 ms
Remote clock offset: -12.438 ms

# Below is generated by plot.py at 2017-12-05 15:50:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.58 Mbit/s
95th percentile per-packet one-way delay: 36.064 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 67.58 Mbit/s
95th percentile per-packet one-way delay: 36.064 ms
Loss rate: 0.13%
```


Run 3: Report of Indigo-calib — Data Link



Run 4: Statistics of Indigo-calib

Start at: 2017-12-05 10:48:24

End at: 2017-12-05 10:48:54

Local clock offset: 6.293 ms

Remote clock offset: -10.931 ms

Below is generated by plot.py at 2017-12-05 15:50:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.22 Mbit/s

95th percentile per-packet one-way delay: 32.583 ms

Loss rate: 0.10%

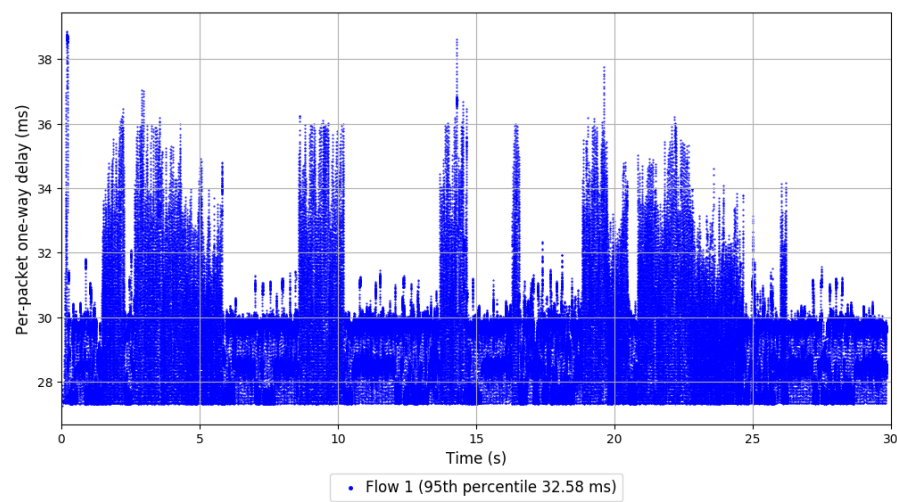
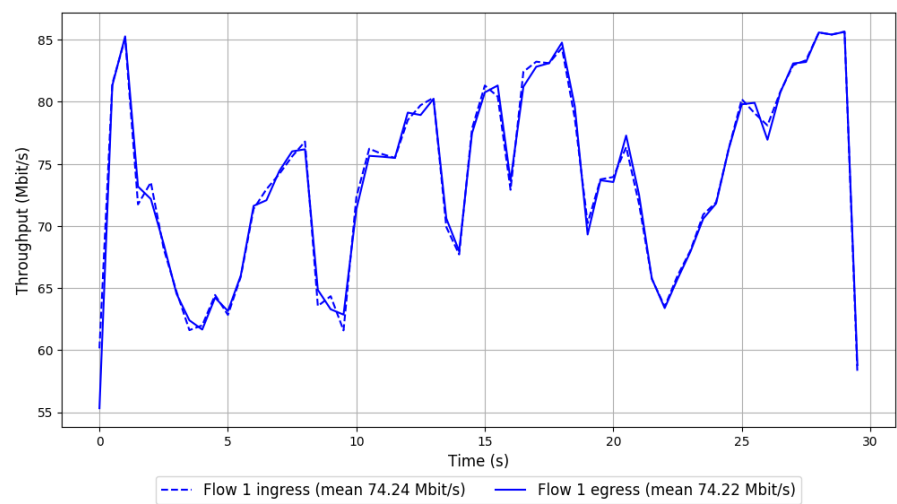
-- Flow 1:

Average throughput: 74.22 Mbit/s

95th percentile per-packet one-way delay: 32.583 ms

Loss rate: 0.10%

Run 4: Report of Indigo-calib — Data Link

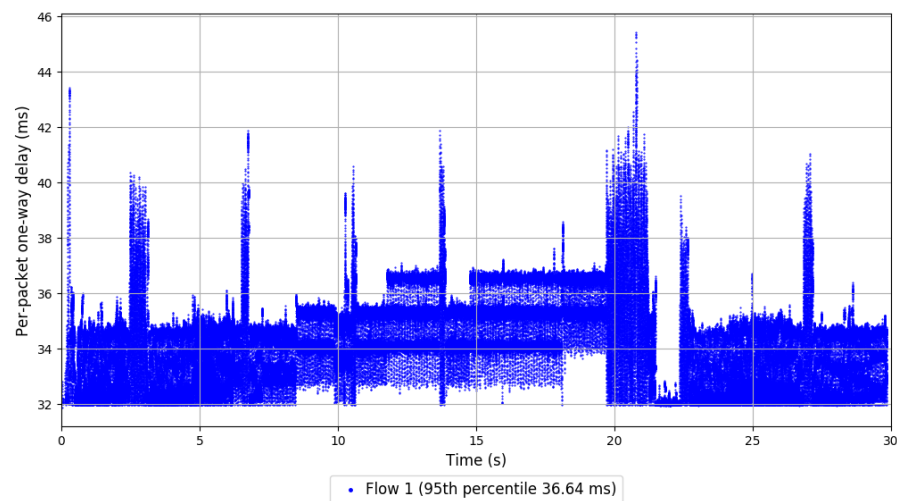
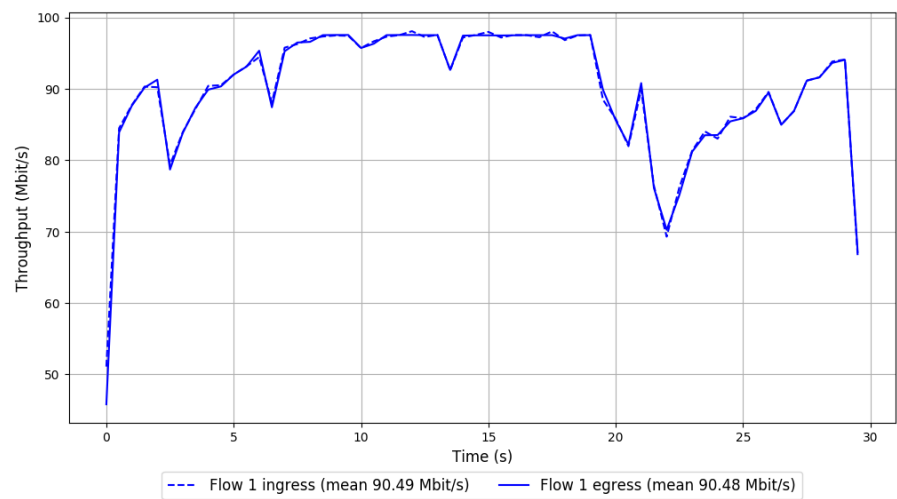


Run 5: Statistics of Indigo-calib

Start at: 2017-12-05 11:05:53
End at: 2017-12-05 11:06:23
Local clock offset: 9.328 ms
Remote clock offset: -10.887 ms

Below is generated by plot.py at 2017-12-05 15:51:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.48 Mbit/s
95th percentile per-packet one-way delay: 36.639 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 90.48 Mbit/s
95th percentile per-packet one-way delay: 36.639 ms
Loss rate: 0.11%

Run 5: Report of Indigo-calib — Data Link

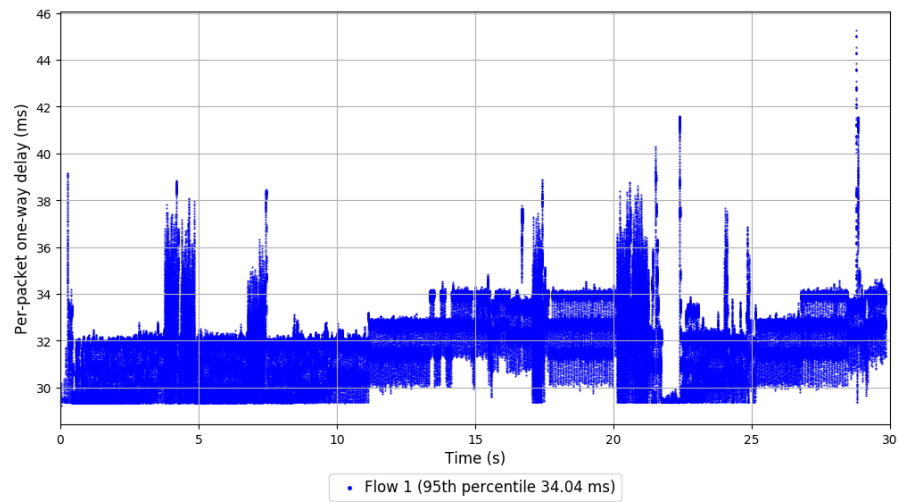
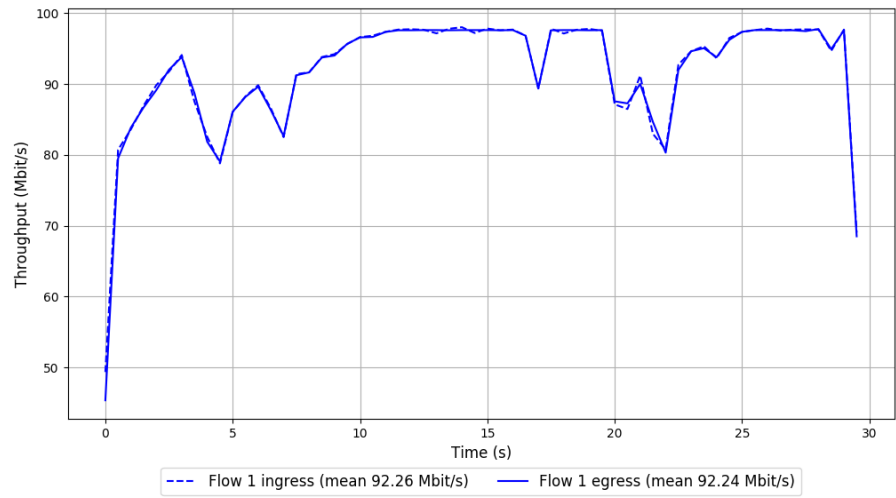


Run 6: Statistics of Indigo-calib

Start at: 2017-12-05 11:22:48
End at: 2017-12-05 11:23:18
Local clock offset: 6.353 ms
Remote clock offset: -10.059 ms

Below is generated by plot.py at 2017-12-05 15:51:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.24 Mbit/s
95th percentile per-packet one-way delay: 34.036 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 92.24 Mbit/s
95th percentile per-packet one-way delay: 34.036 ms
Loss rate: 0.13%

Run 6: Report of Indigo-calib — Data Link

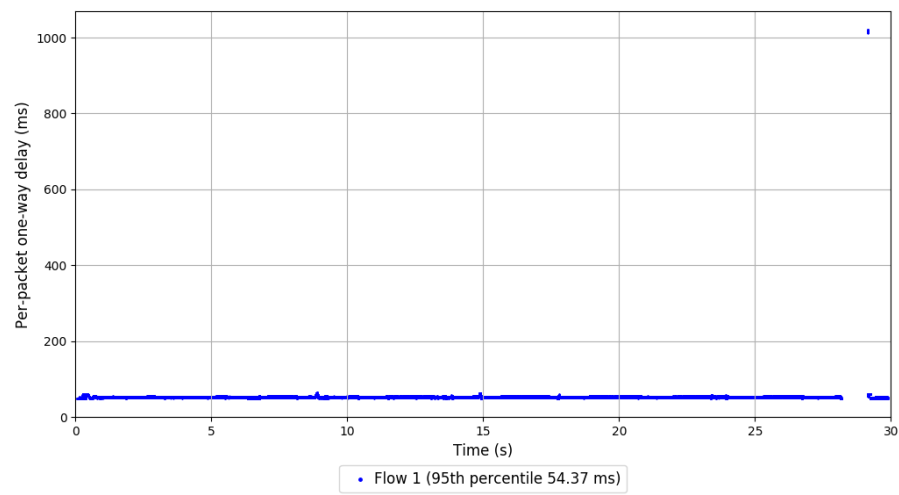
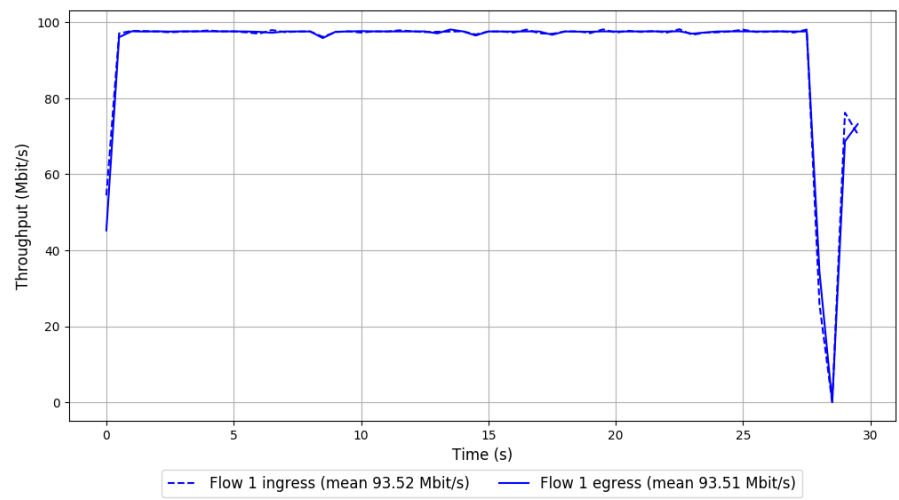


Run 7: Statistics of Indigo-calib

Start at: 2017-12-05 11:40:00
End at: 2017-12-05 11:40:30
Local clock offset: 7.892 ms
Remote clock offset: -27.948 ms

Below is generated by plot.py at 2017-12-05 15:51:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.51 Mbit/s
95th percentile per-packet one-way delay: 54.367 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 93.51 Mbit/s
95th percentile per-packet one-way delay: 54.367 ms
Loss rate: 0.12%

Run 7: Report of Indigo-calib — Data Link

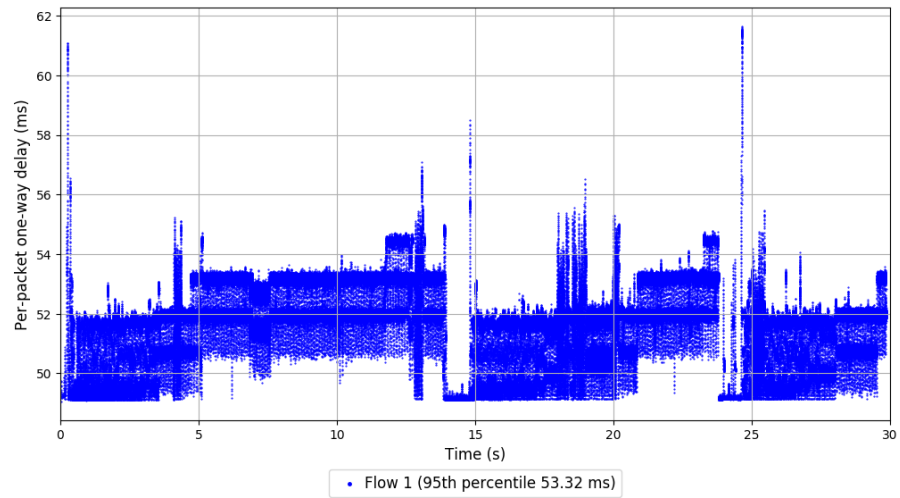
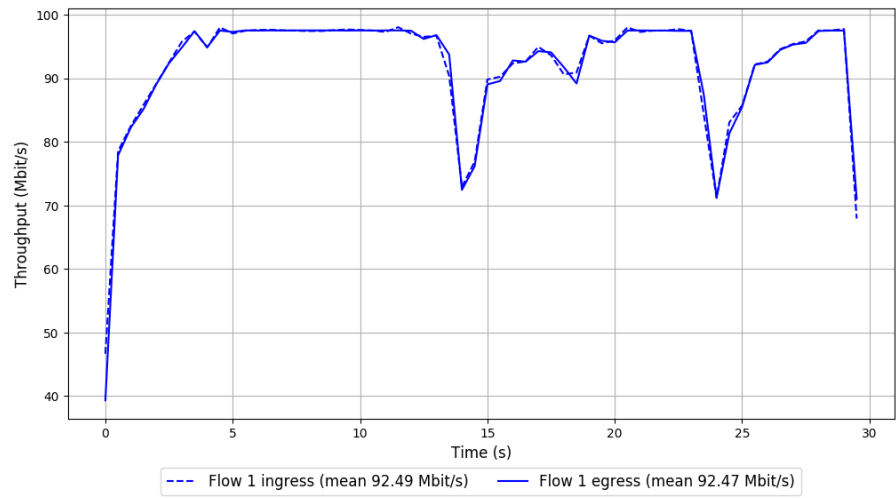


Run 8: Statistics of Indigo-calib

Start at: 2017-12-05 11:57:45
End at: 2017-12-05 11:58:15
Local clock offset: 5.769 ms
Remote clock offset: -29.608 ms

Below is generated by plot.py at 2017-12-05 15:51:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.47 Mbit/s
95th percentile per-packet one-way delay: 53.318 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 92.47 Mbit/s
95th percentile per-packet one-way delay: 53.318 ms
Loss rate: 0.13%

Run 8: Report of Indigo-calib — Data Link

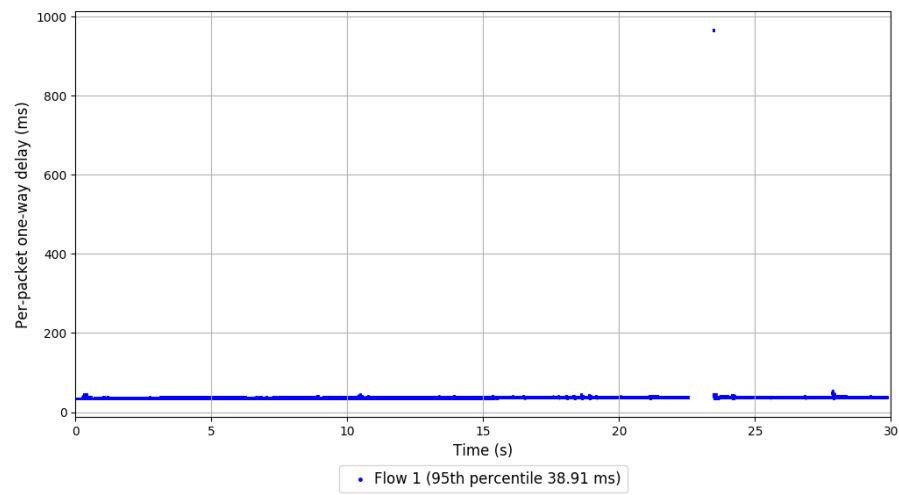
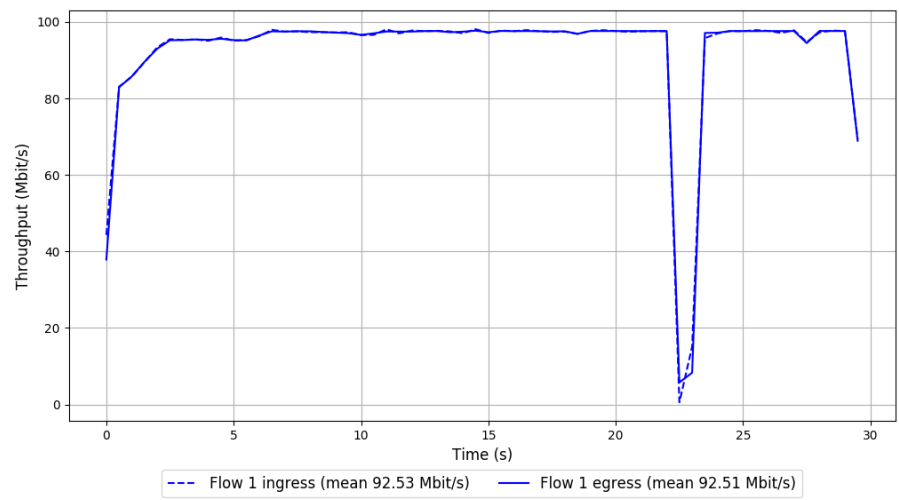


Run 9: Statistics of Indigo-calib

Start at: 2017-12-05 12:14:44
End at: 2017-12-05 12:15:14
Local clock offset: 2.905 ms
Remote clock offset: -14.106 ms

Below is generated by plot.py at 2017-12-05 15:51:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.51 Mbit/s
95th percentile per-packet one-way delay: 38.912 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 92.51 Mbit/s
95th percentile per-packet one-way delay: 38.912 ms
Loss rate: 0.14%

Run 9: Report of Indigo-calib — Data Link



Run 10: Statistics of Indigo-calib

Start at: 2017-12-05 12:31:53

End at: 2017-12-05 12:32:23

Local clock offset: 2.258 ms

Remote clock offset: -14.575 ms

Below is generated by plot.py at 2017-12-05 15:51:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.97 Mbit/s

95th percentile per-packet one-way delay: 42.570 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 92.97 Mbit/s

95th percentile per-packet one-way delay: 42.570 ms

Loss rate: 0.18%

Run 10: Report of Indigo-calib — Data Link

