

Pantheon Report

Generated at 2017-11-21 06:40:57 (UTC).

Data path: AWS Brazil 2 Ethernet (*local*) → Colombia Ethernet (*remote*).

Repeated the test of 14 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

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

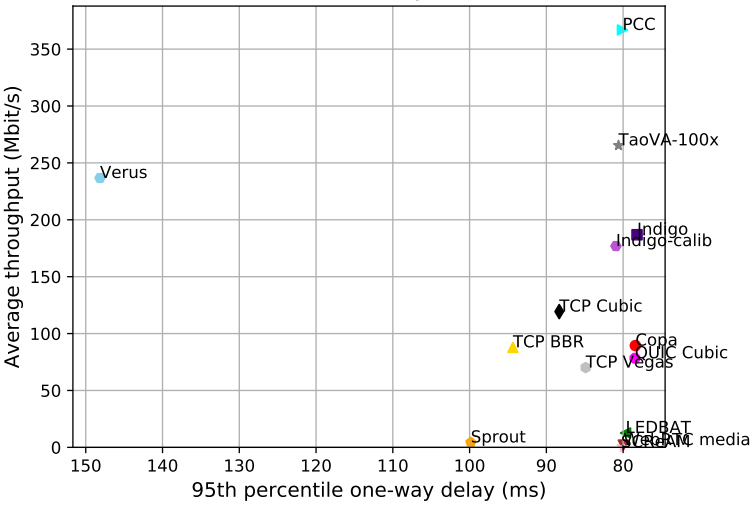
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against **gps.ntp.br** and have been applied to correct the timestamps in logs.

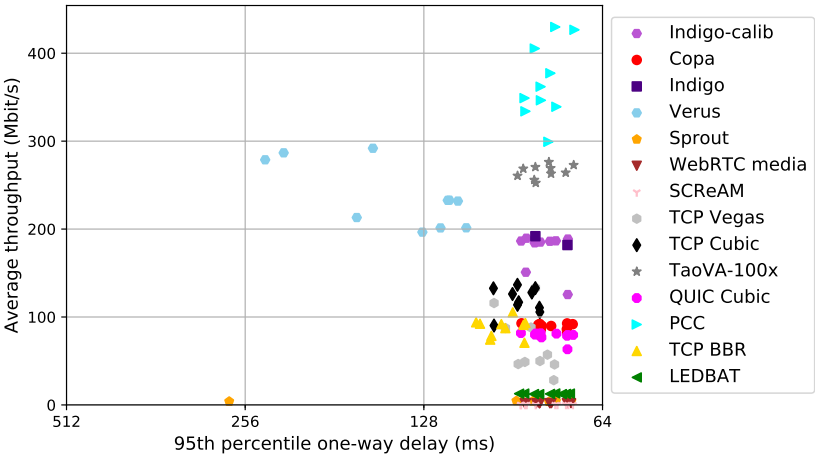
Git summary:

```
branch: indigos @ e3a57ad5ac5cfcaca0e3f983c8dd4cc3509e0262
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ b5b7c38e8391001927dc41c6cfa2627d03dde737
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906edff4876d5a7e5bfff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fab936fdca204b80db
third_party/indigo-no-send-rate @ b39dfa6b2c5f19cb7cd89626cb4f5bb81f9fecda
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaaeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



test from AWS Brazil 2 Ethernet to Colombia 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	87.90	94.36	0.03
TCP Cubic	10	119.33	88.32	0.02
LEDBAT	9	12.63	79.69	0.00
PCC	10	366.87	80.08	6.70
QUIC Cubic	10	78.34	78.47	0.00
SCReAM	10	0.21	80.27	0.00
WebRTC media	10	1.97	79.97	0.00
Sprout	10	4.31	99.84	0.08
TaoVA-100x	10	265.39	80.60	0.06
TCP Vegas	10	70.10	84.88	0.00
Verus	10	236.72	148.15	1.92
Copa	10	89.44	78.40	0.06
Indigo	2	186.88	78.19	0.00
Indigo-calib	10	176.90	80.94	0.00

Run 1: Statistics of TCP BBR

Start at: 2017-11-21 02:35:51

End at: 2017-11-21 02:36:21

Local clock offset: -0.214 ms

Remote clock offset: -3.58 ms

Below is generated by plot.py at 2017-11-21 06:06:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.94 Mbit/s

95th percentile per-packet one-way delay: 94.758 ms

Loss rate: 0.00%

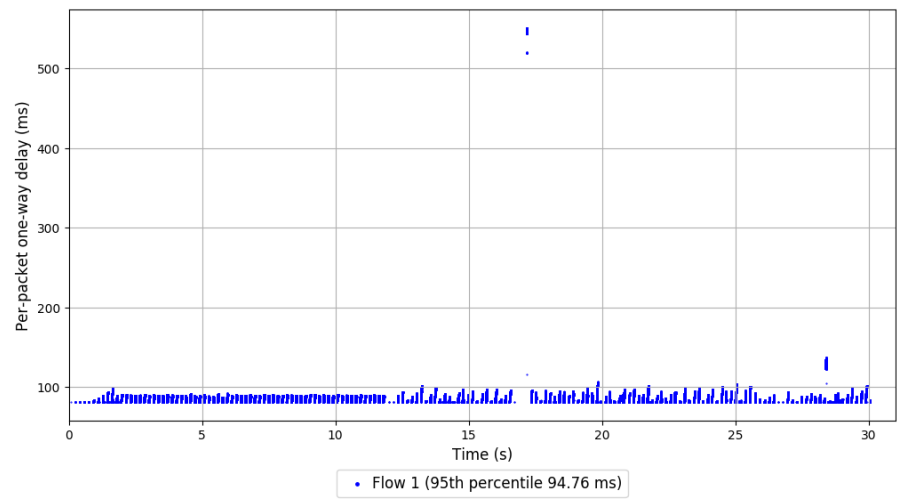
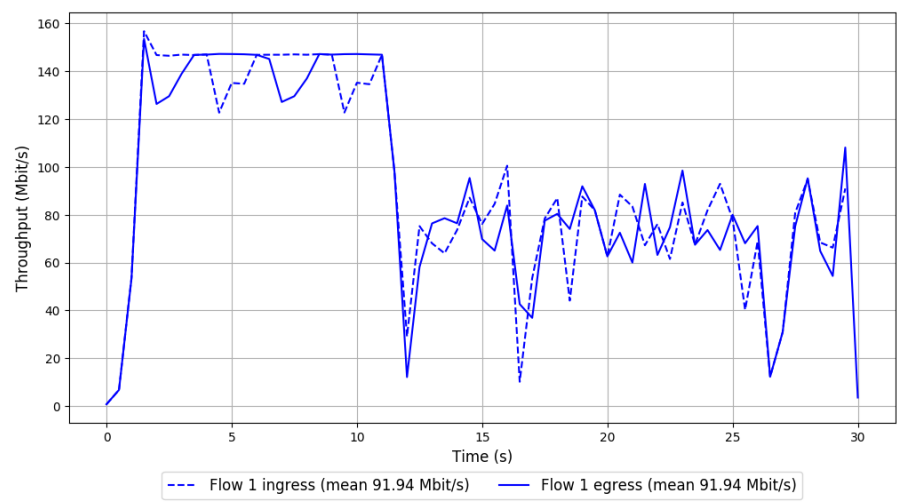
-- Flow 1:

Average throughput: 91.94 Mbit/s

95th percentile per-packet one-way delay: 94.758 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

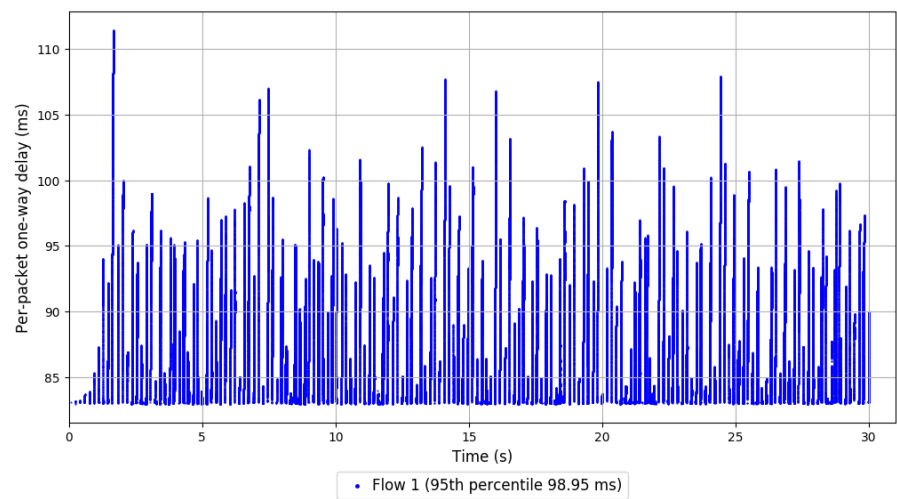
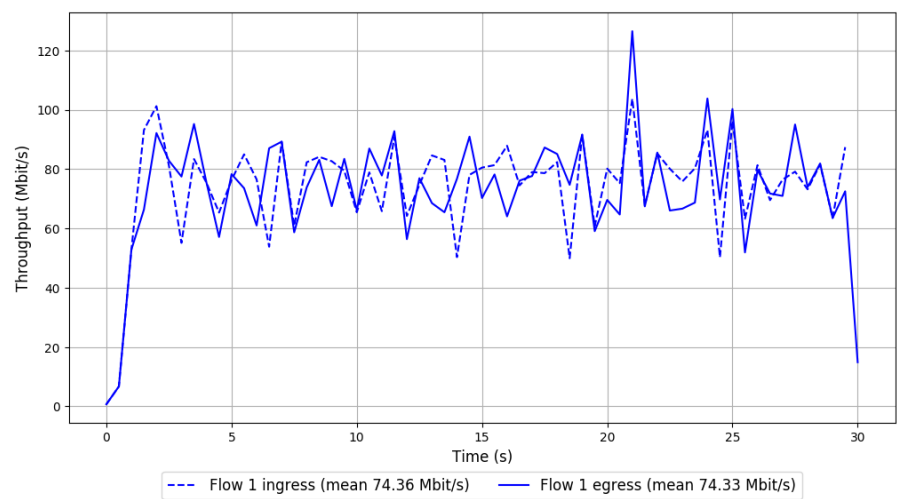


Run 2: Statistics of TCP BBR

Start at: 2017-11-21 02:53:41
End at: 2017-11-21 02:54:11
Local clock offset: -0.08 ms
Remote clock offset: -4.428 ms

Below is generated by plot.py at 2017-11-21 06:06:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.33 Mbit/s
95th percentile per-packet one-way delay: 98.952 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 74.33 Mbit/s
95th percentile per-packet one-way delay: 98.952 ms
Loss rate: 0.02%

Run 2: Report of TCP BBR — Data Link

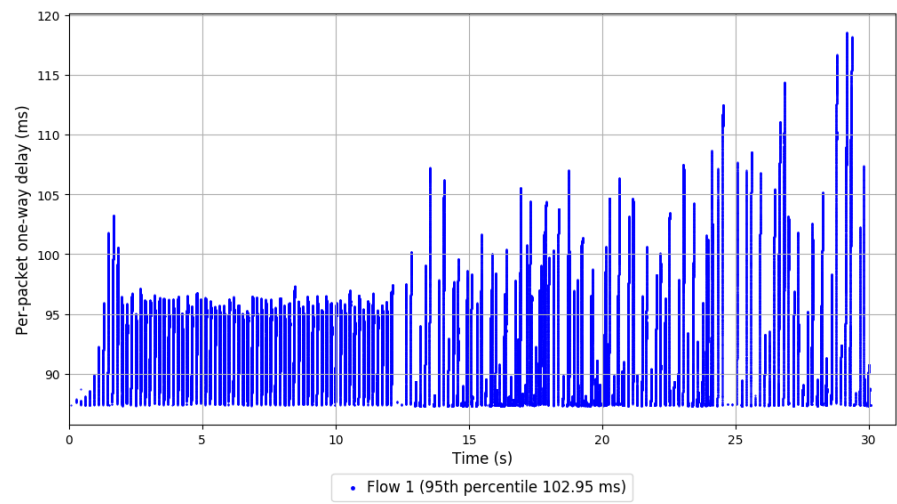
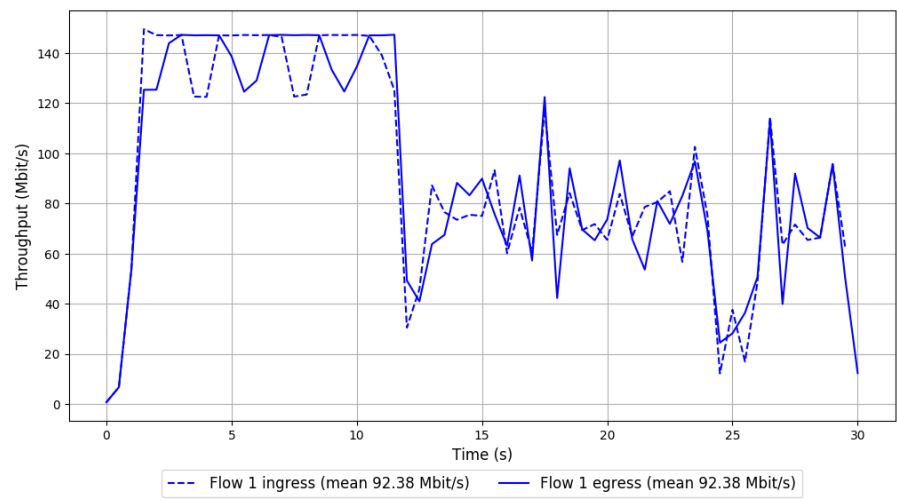


Run 3: Statistics of TCP BBR

Start at: 2017-11-21 03:11:43
End at: 2017-11-21 03:12:13
Local clock offset: -0.024 ms
Remote clock offset: -0.539 ms

Below is generated by plot.py at 2017-11-21 06:06:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.38 Mbit/s
95th percentile per-packet one-way delay: 102.952 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.38 Mbit/s
95th percentile per-packet one-way delay: 102.952 ms
Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link

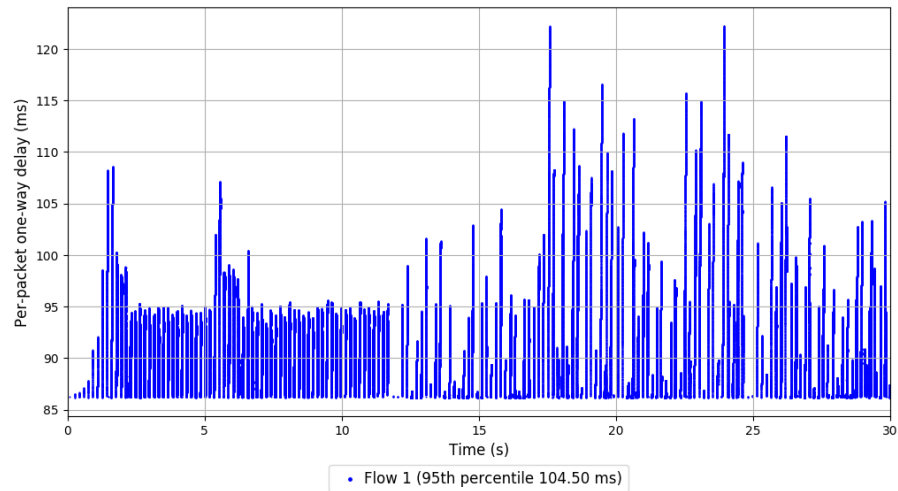
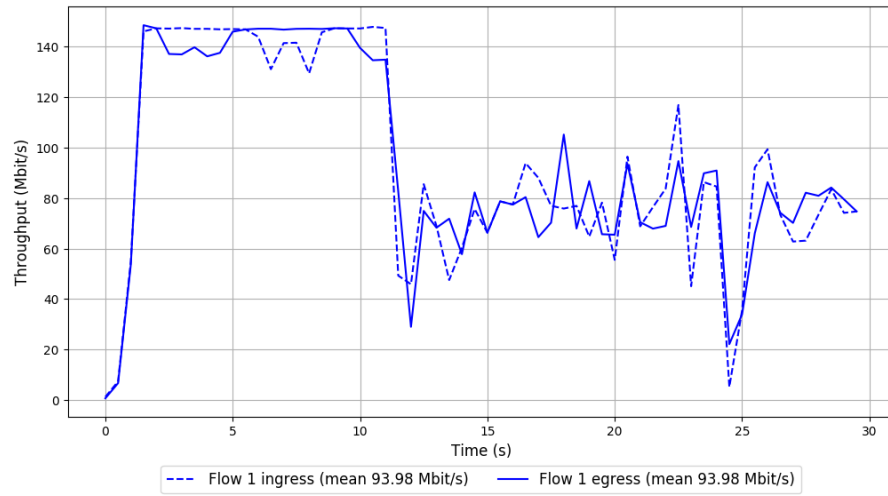


Run 4: Statistics of TCP BBR

Start at: 2017-11-21 03:29:44
End at: 2017-11-21 03:30:14
Local clock offset: -0.027 ms
Remote clock offset: -1.045 ms

Below is generated by plot.py at 2017-11-21 06:06:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.98 Mbit/s
95th percentile per-packet one-way delay: 104.502 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 93.98 Mbit/s
95th percentile per-packet one-way delay: 104.502 ms
Loss rate: 0.01%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2017-11-21 03:47:34

End at: 2017-11-21 03:48:04

Local clock offset: 0.006 ms

Remote clock offset: -6.33 ms

Below is generated by plot.py at 2017-11-21 06:06:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.58 Mbit/s

95th percentile per-packet one-way delay: 98.500 ms

Loss rate: 0.02%

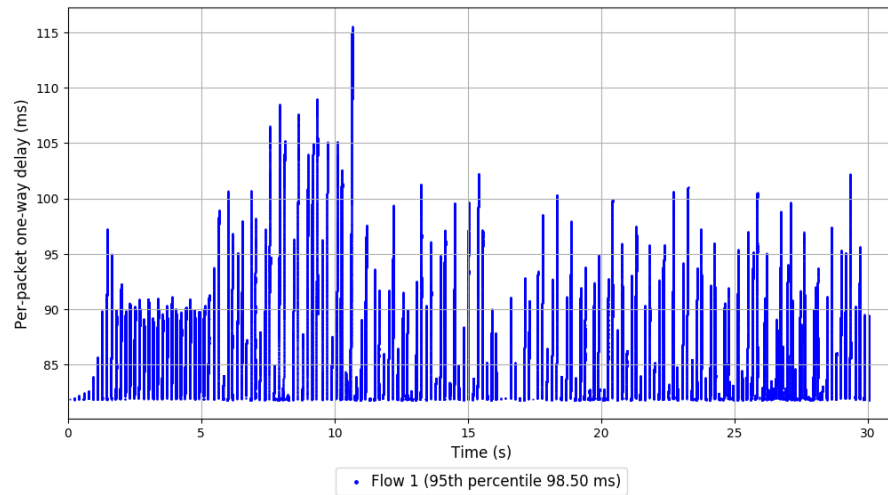
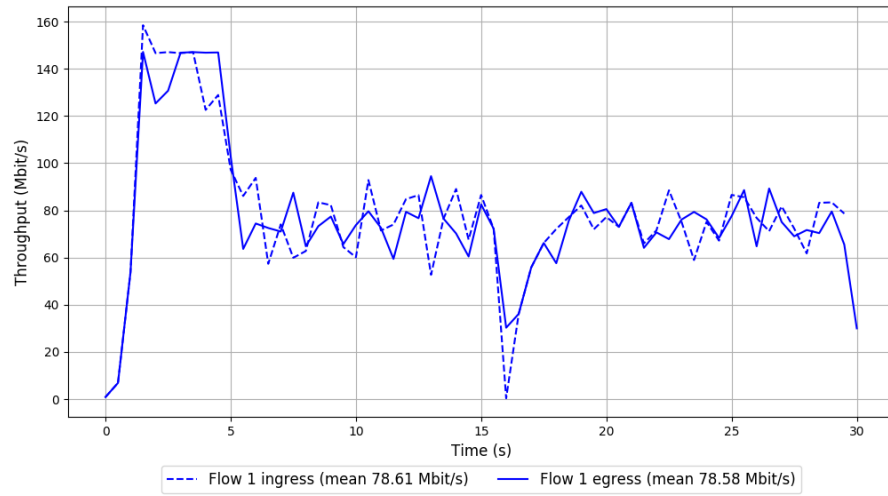
-- Flow 1:

Average throughput: 78.58 Mbit/s

95th percentile per-packet one-way delay: 98.500 ms

Loss rate: 0.02%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2017-11-21 04:05:21

End at: 2017-11-21 04:05:51

Local clock offset: 0.053 ms

Remote clock offset: -10.921 ms

Below is generated by plot.py at 2017-11-21 06:06:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 105.34 Mbit/s

95th percentile per-packet one-way delay: 90.667 ms

Loss rate: 0.00%

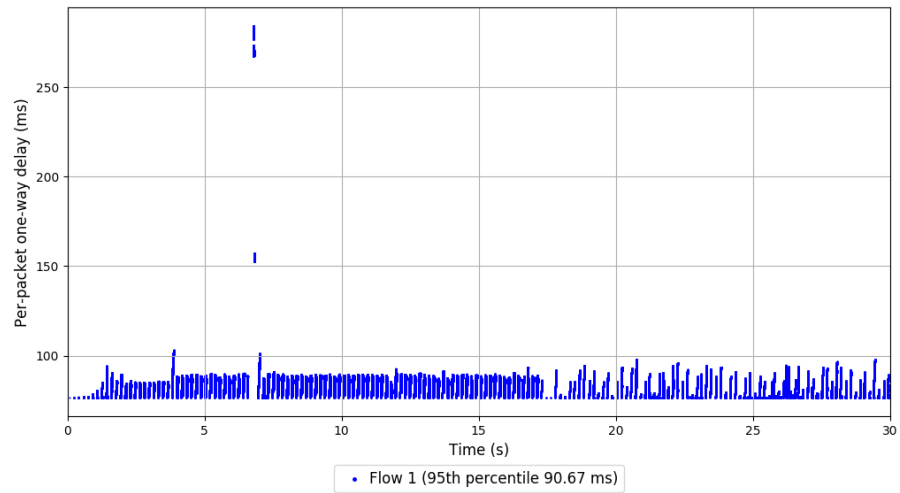
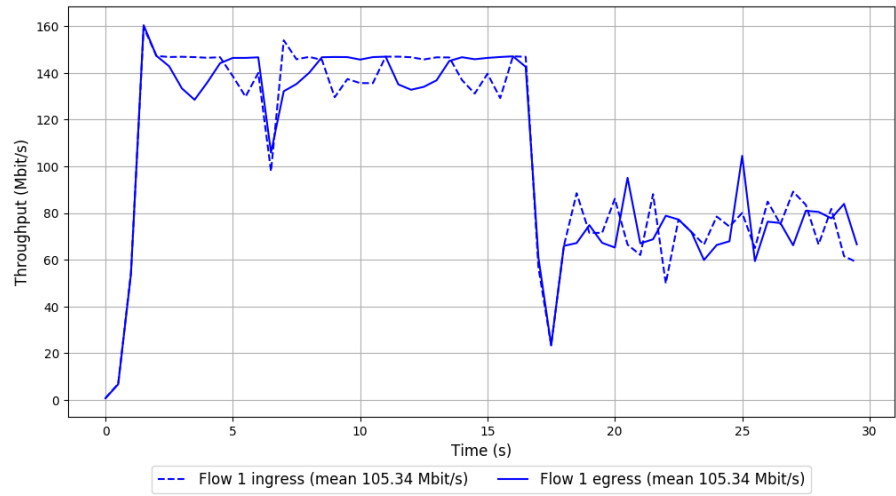
-- Flow 1:

Average throughput: 105.34 Mbit/s

95th percentile per-packet one-way delay: 90.667 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

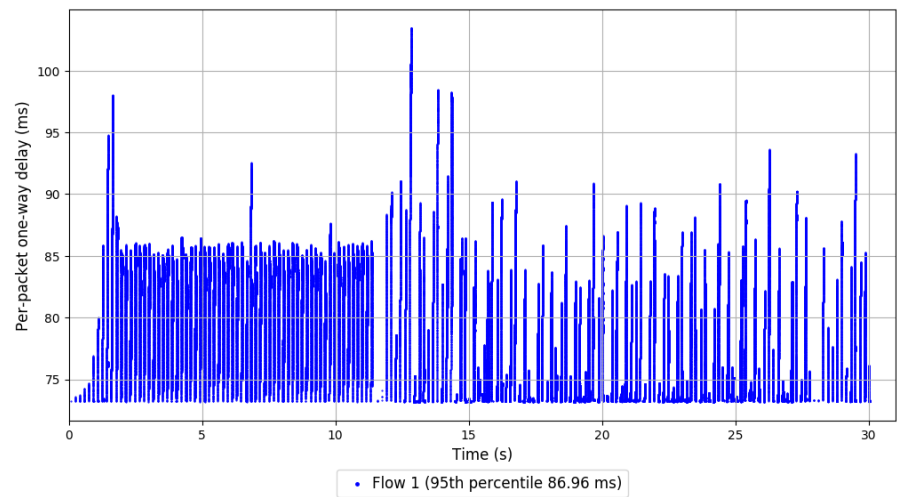
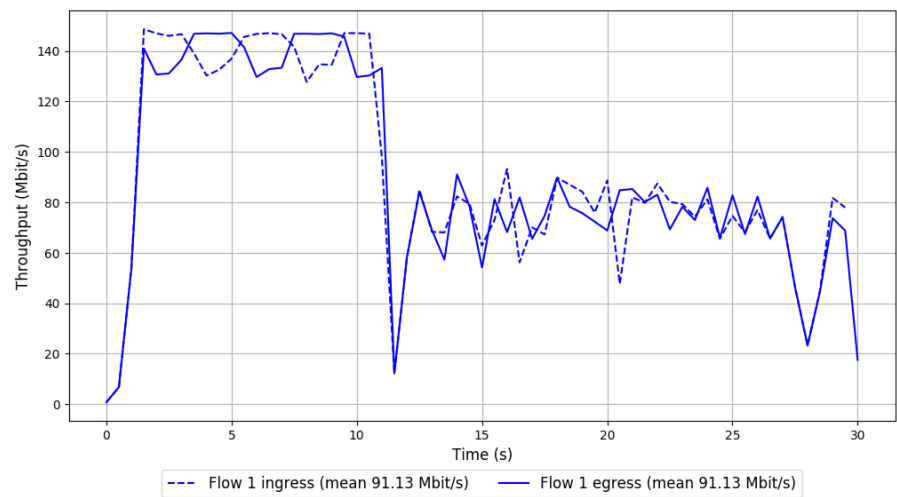


Run 7: Statistics of TCP BBR

Start at: 2017-11-21 04:23:18
End at: 2017-11-21 04:23:48
Local clock offset: 0.074 ms
Remote clock offset: -16.388 ms

Below is generated by plot.py at 2017-11-21 06:06:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.13 Mbit/s
95th percentile per-packet one-way delay: 86.964 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.13 Mbit/s
95th percentile per-packet one-way delay: 86.964 ms
Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link

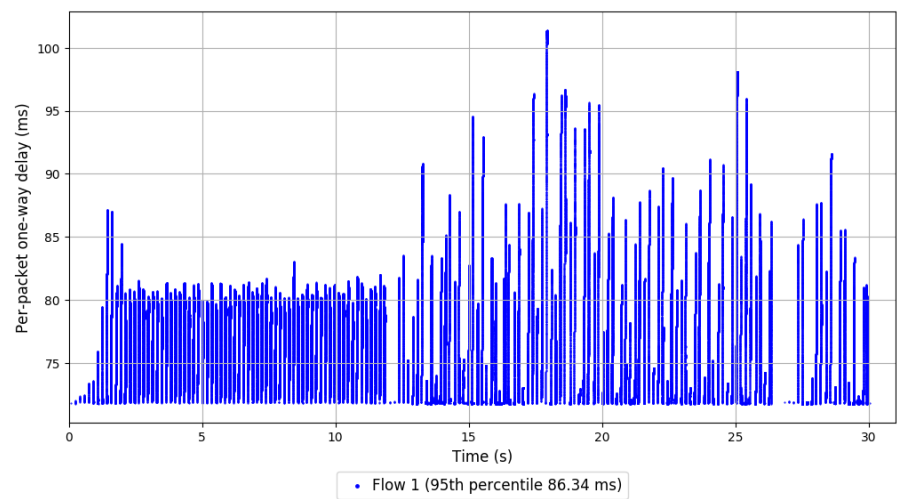
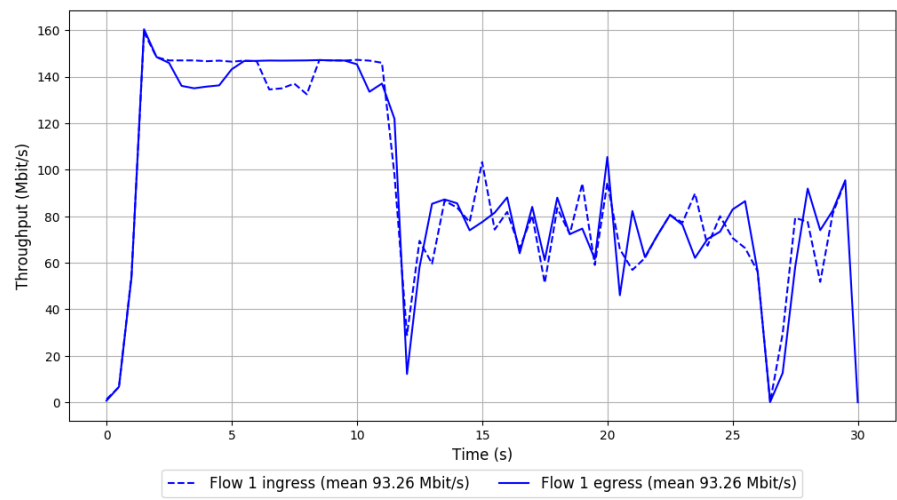


Run 8: Statistics of TCP BBR

Start at: 2017-11-21 04:41:29
End at: 2017-11-21 04:41:59
Local clock offset: 0.065 ms
Remote clock offset: -16.509 ms

Below is generated by plot.py at 2017-11-21 06:06:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.26 Mbit/s
95th percentile per-packet one-way delay: 86.336 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.26 Mbit/s
95th percentile per-packet one-way delay: 86.336 ms
Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link

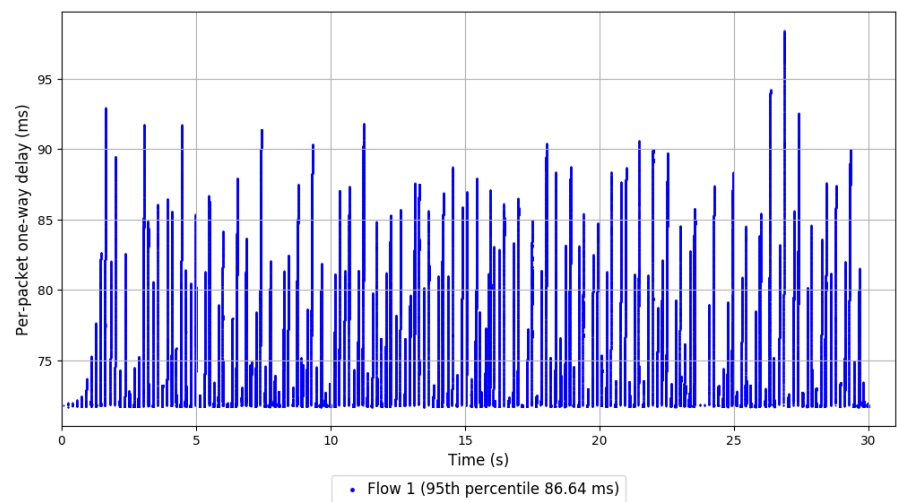
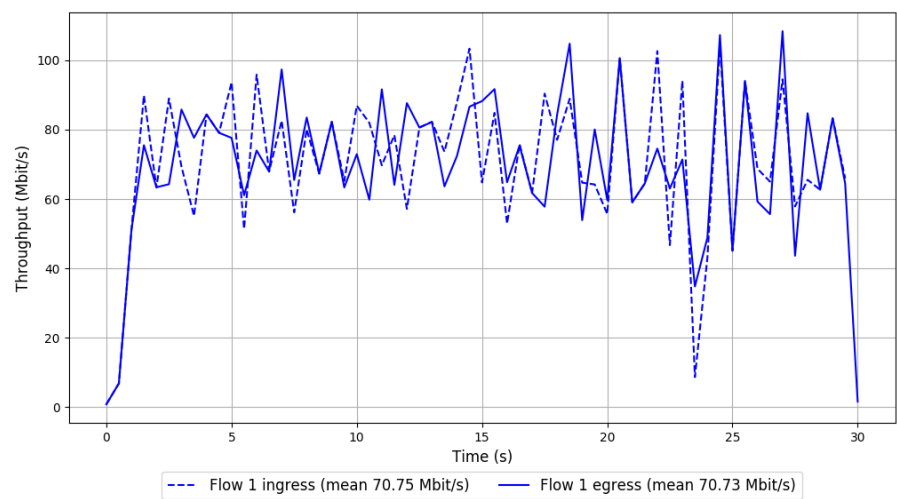


Run 9: Statistics of TCP BBR

Start at: 2017-11-21 04:59:50
End at: 2017-11-21 05:00:20
Local clock offset: 0.048 ms
Remote clock offset: -16.051 ms

Below is generated by plot.py at 2017-11-21 06:07:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.73 Mbit/s
95th percentile per-packet one-way delay: 86.643 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 70.73 Mbit/s
95th percentile per-packet one-way delay: 86.643 ms
Loss rate: 0.03%

Run 9: Report of TCP BBR — Data Link

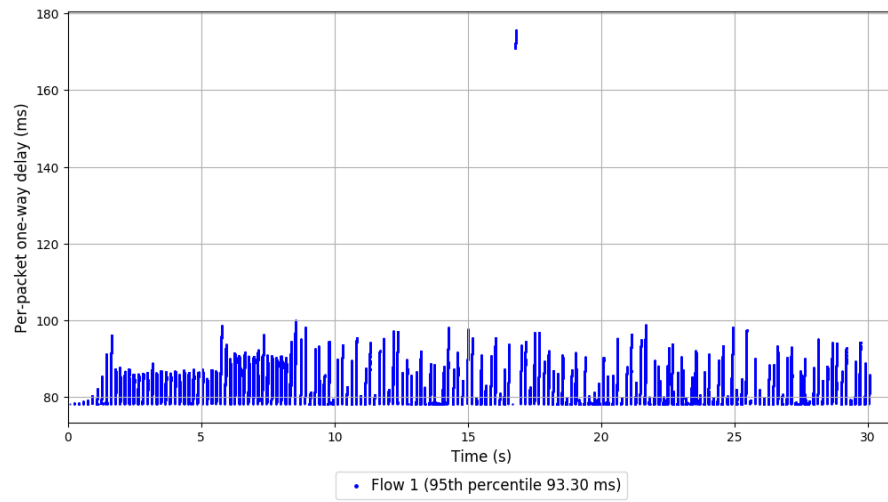
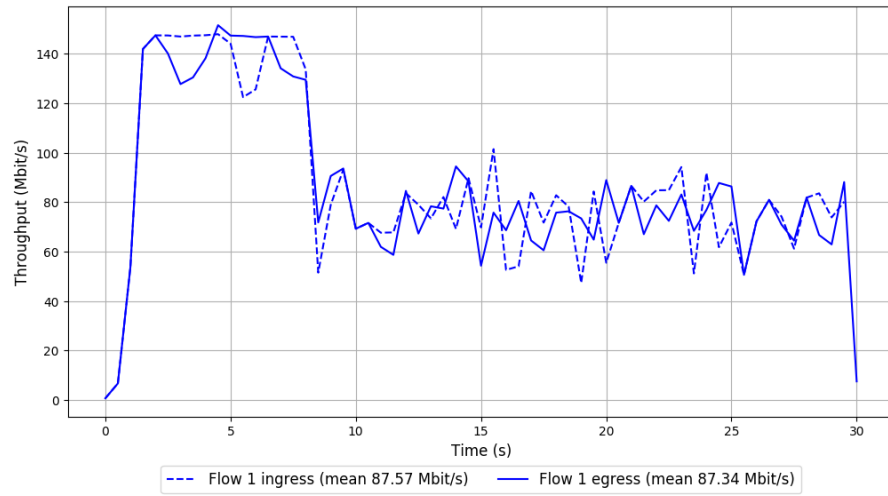


Run 10: Statistics of TCP BBR

Start at: 2017-11-21 05:18:08
End at: 2017-11-21 05:18:38
Local clock offset: 0.028 ms
Remote clock offset: -10.734 ms

Below is generated by plot.py at 2017-11-21 06:07:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.34 Mbit/s
95th percentile per-packet one-way delay: 93.295 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 87.34 Mbit/s
95th percentile per-packet one-way delay: 93.295 ms
Loss rate: 0.25%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2017-11-21 02:38:21

End at: 2017-11-21 02:38:51

Local clock offset: -0.104 ms

Remote clock offset: 1.37 ms

Below is generated by plot.py at 2017-11-21 06:08:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.30 Mbit/s

95th percentile per-packet one-way delay: 97.500 ms

Loss rate: 0.00%

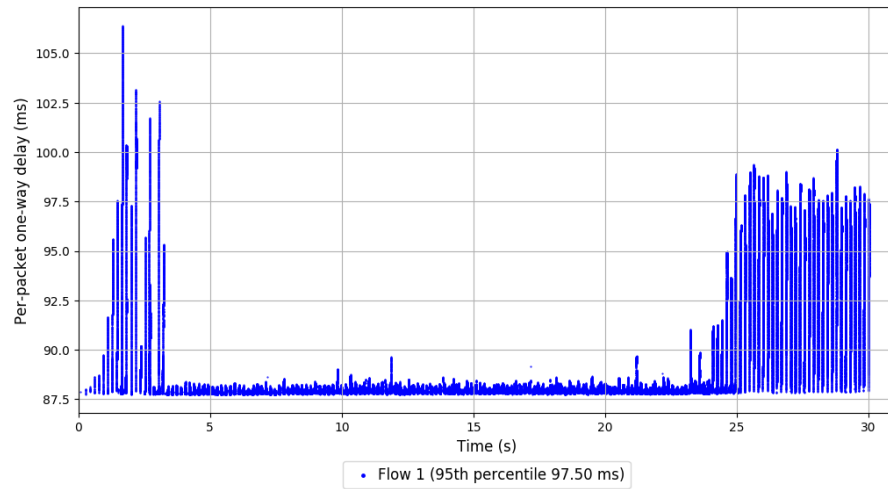
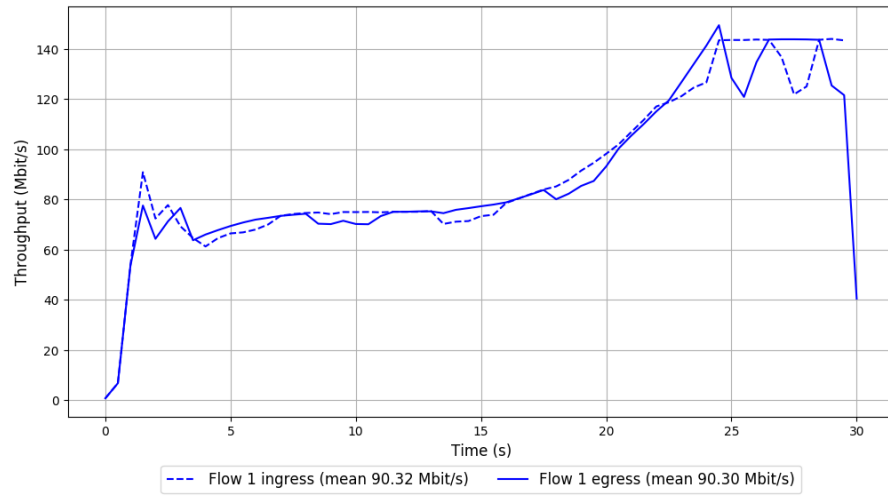
-- Flow 1:

Average throughput: 90.30 Mbit/s

95th percentile per-packet one-way delay: 97.500 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

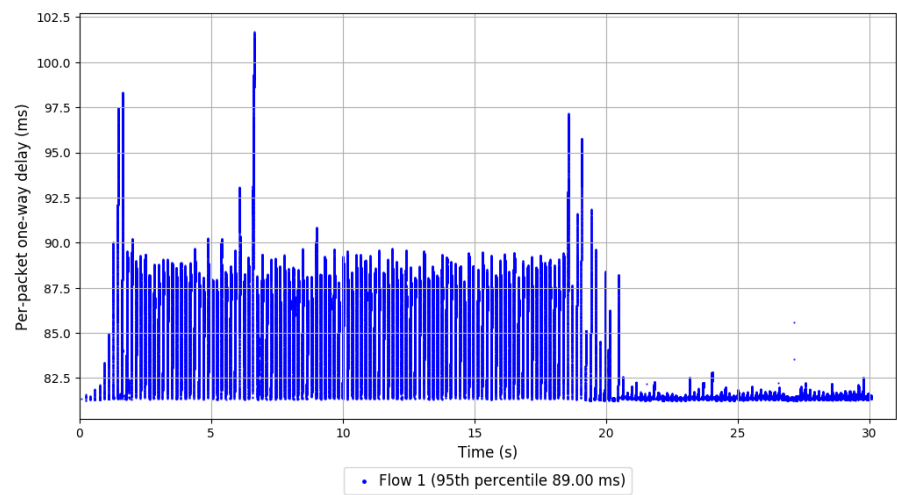
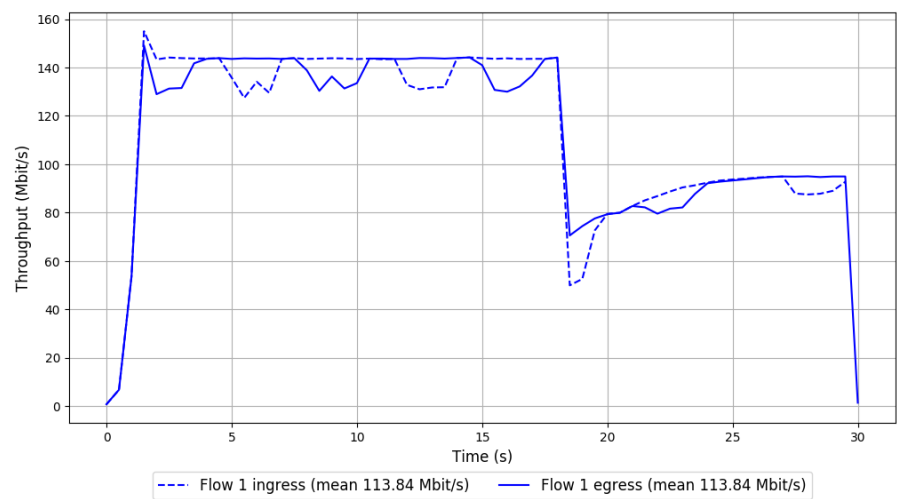


Run 2: Statistics of TCP Cubic

Start at: 2017-11-21 02:56:09
End at: 2017-11-21 02:56:39
Local clock offset: -0.065 ms
Remote clock offset: -4.572 ms

Below is generated by plot.py at 2017-11-21 06:08:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 113.84 Mbit/s
95th percentile per-packet one-way delay: 89.004 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 113.84 Mbit/s
95th percentile per-packet one-way delay: 89.004 ms
Loss rate: 0.01%

Run 2: Report of TCP Cubic — Data Link

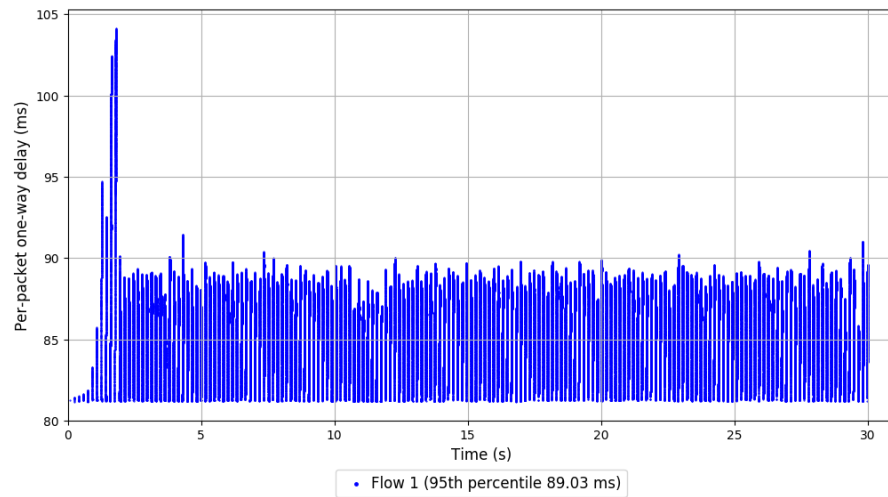
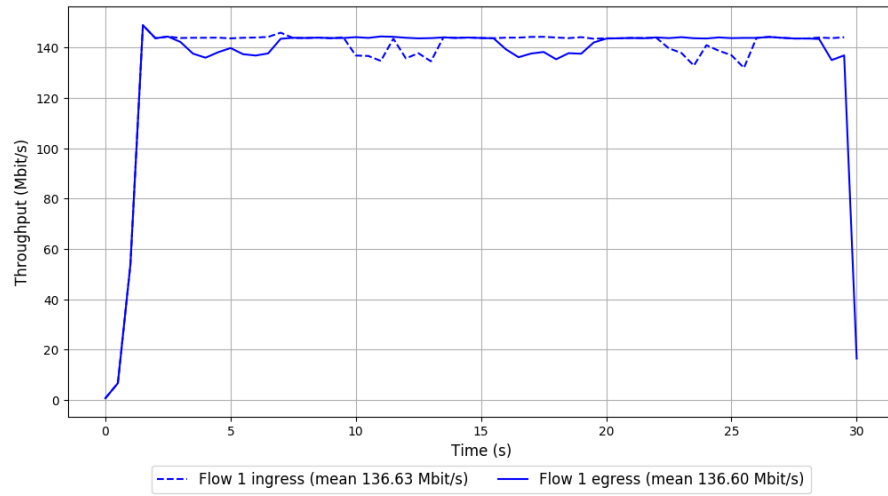


Run 3: Statistics of TCP Cubic

Start at: 2017-11-21 03:14:10
End at: 2017-11-21 03:14:40
Local clock offset: -0.023 ms
Remote clock offset: -5.422 ms

Below is generated by plot.py at 2017-11-21 06:08:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 136.60 Mbit/s
95th percentile per-packet one-way delay: 89.028 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 136.60 Mbit/s
95th percentile per-packet one-way delay: 89.028 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link

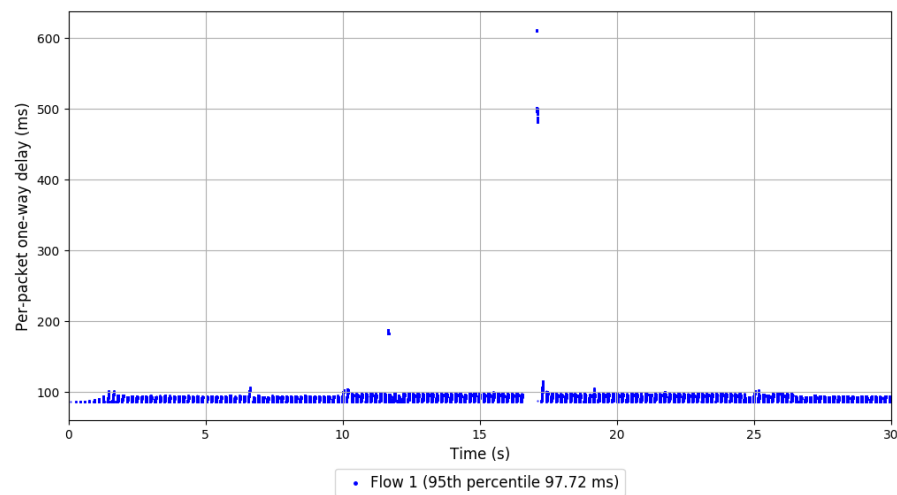
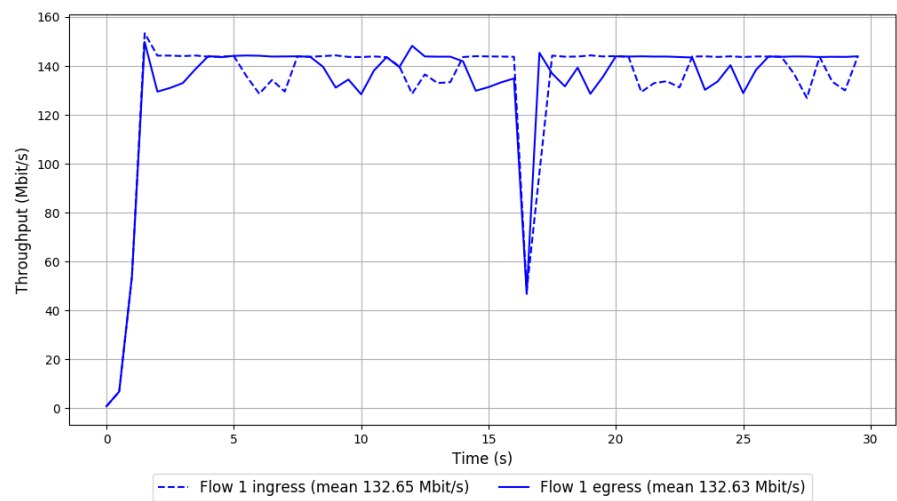


Run 4: Statistics of TCP Cubic

Start at: 2017-11-21 03:32:11
End at: 2017-11-21 03:32:41
Local clock offset: -0.084 ms
Remote clock offset: -1.096 ms

Below is generated by plot.py at 2017-11-21 06:08:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 132.63 Mbit/s
95th percentile per-packet one-way delay: 97.718 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.63 Mbit/s
95th percentile per-packet one-way delay: 97.718 ms
Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link

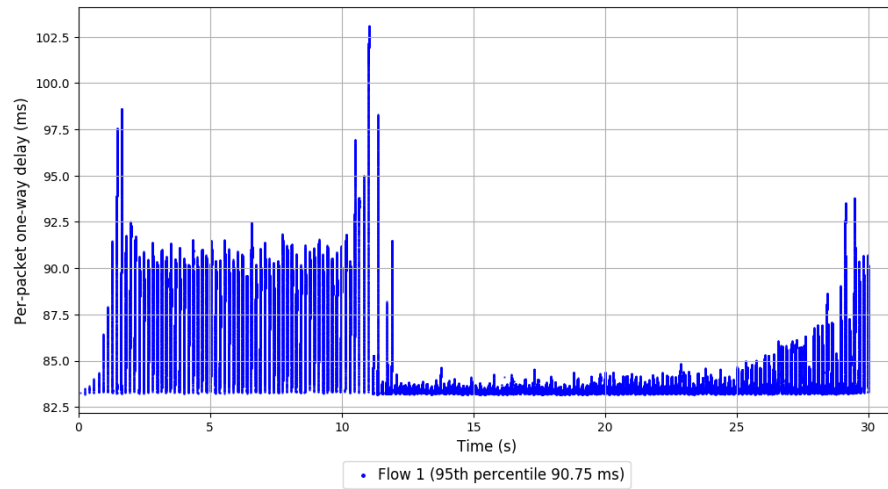
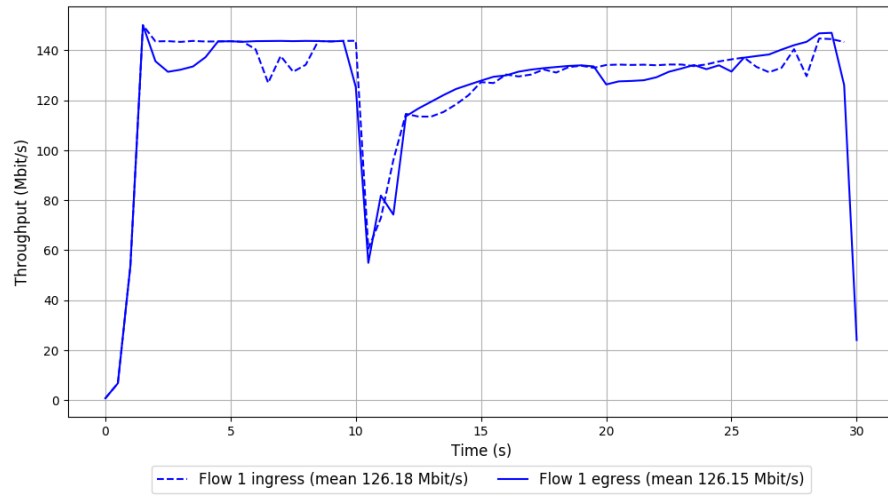


Run 5: Statistics of TCP Cubic

Start at: 2017-11-21 03:50:00
End at: 2017-11-21 03:50:31
Local clock offset: -0.046 ms
Remote clock offset: -6.282 ms

Below is generated by plot.py at 2017-11-21 06:08:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 126.15 Mbit/s
95th percentile per-packet one-way delay: 90.750 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 126.15 Mbit/s
95th percentile per-packet one-way delay: 90.750 ms
Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link

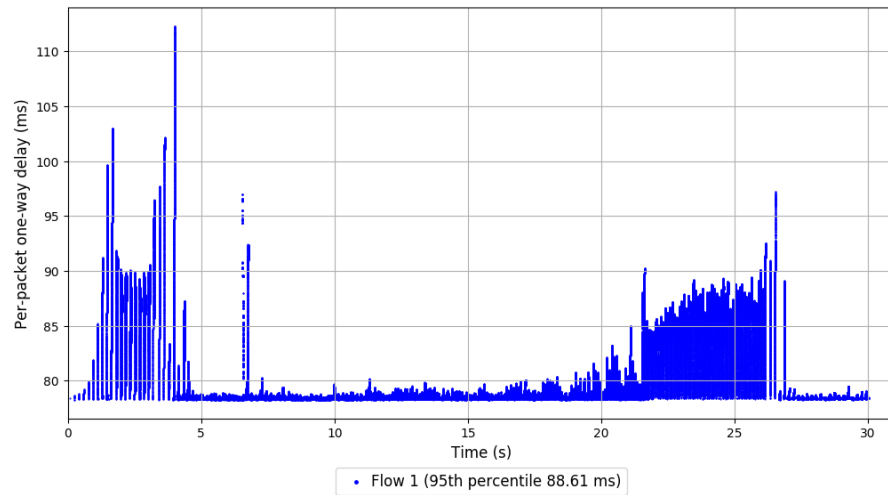
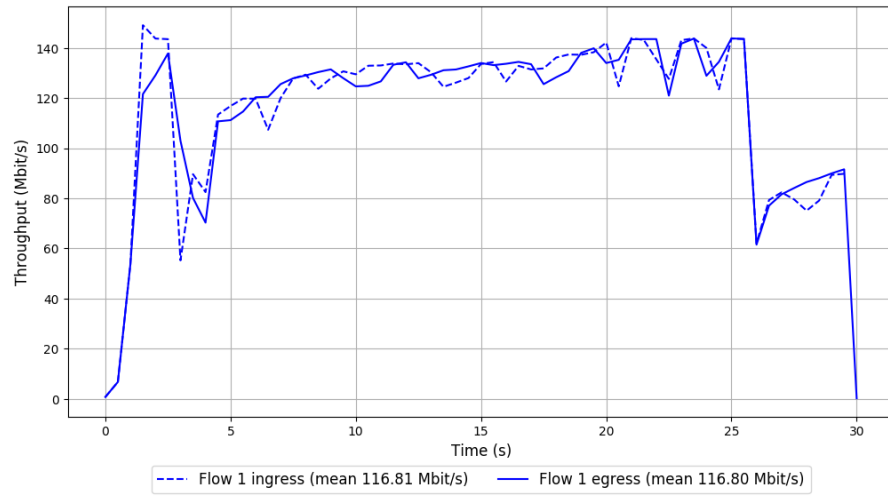


Run 6: Statistics of TCP Cubic

Start at: 2017-11-21 04:07:52
End at: 2017-11-21 04:08:22
Local clock offset: -0.014 ms
Remote clock offset: -10.999 ms

Below is generated by plot.py at 2017-11-21 06:08:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 116.80 Mbit/s
95th percentile per-packet one-way delay: 88.612 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 116.80 Mbit/s
95th percentile per-packet one-way delay: 88.612 ms
Loss rate: 0.01%

Run 6: Report of TCP Cubic — Data Link

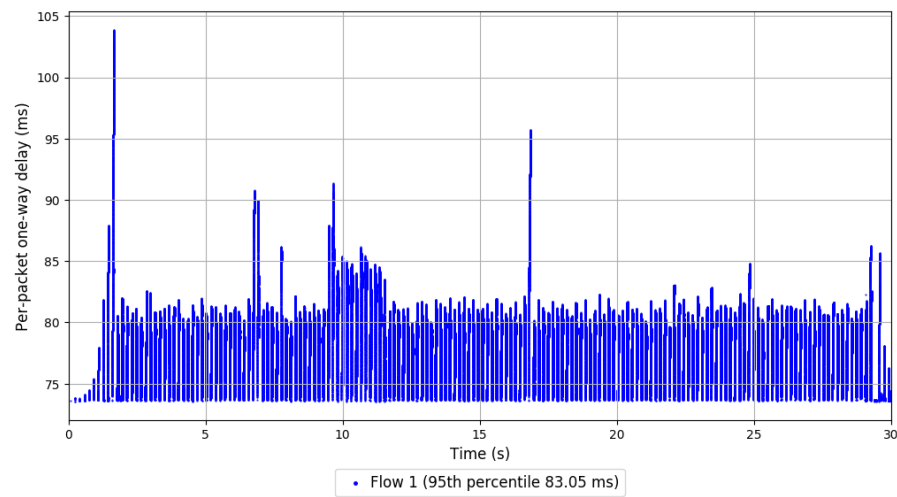
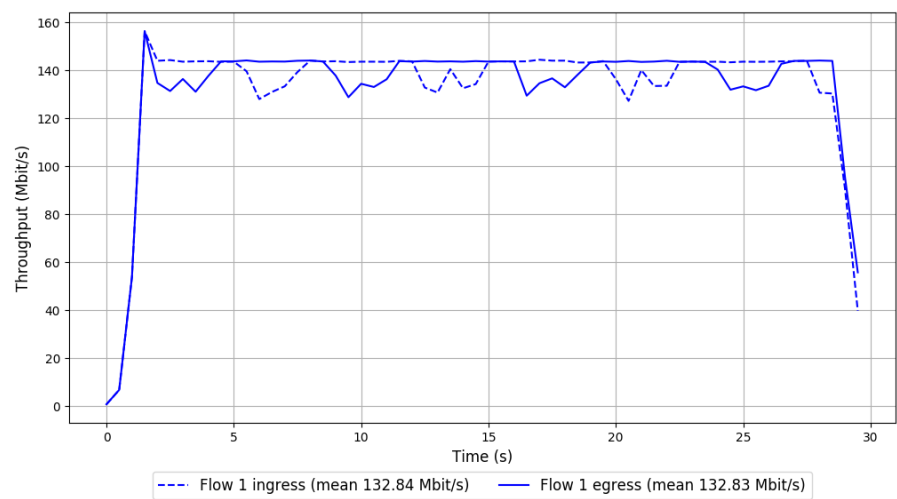


Run 7: Statistics of TCP Cubic

Start at: 2017-11-21 04:25:50
End at: 2017-11-21 04:26:20
Local clock offset: 0.074 ms
Remote clock offset: -16.335 ms

Below is generated by plot.py at 2017-11-21 06:09:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 132.83 Mbit/s
95th percentile per-packet one-way delay: 83.049 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.83 Mbit/s
95th percentile per-packet one-way delay: 83.049 ms
Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link

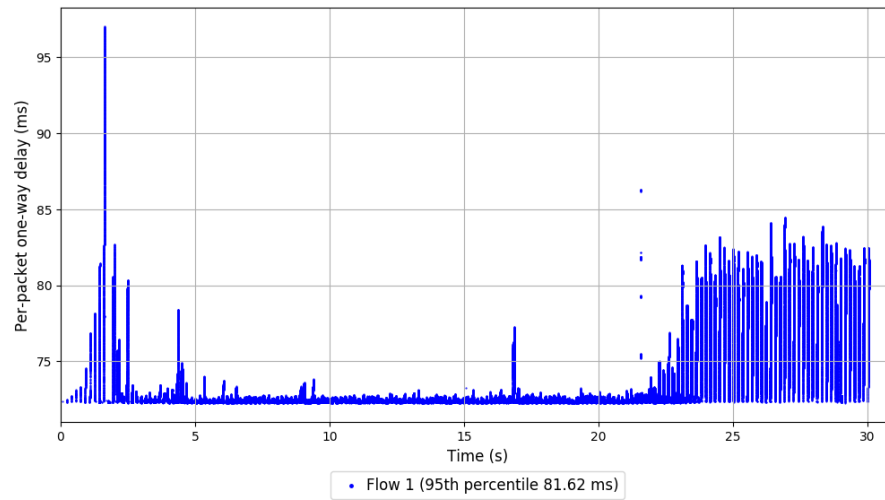
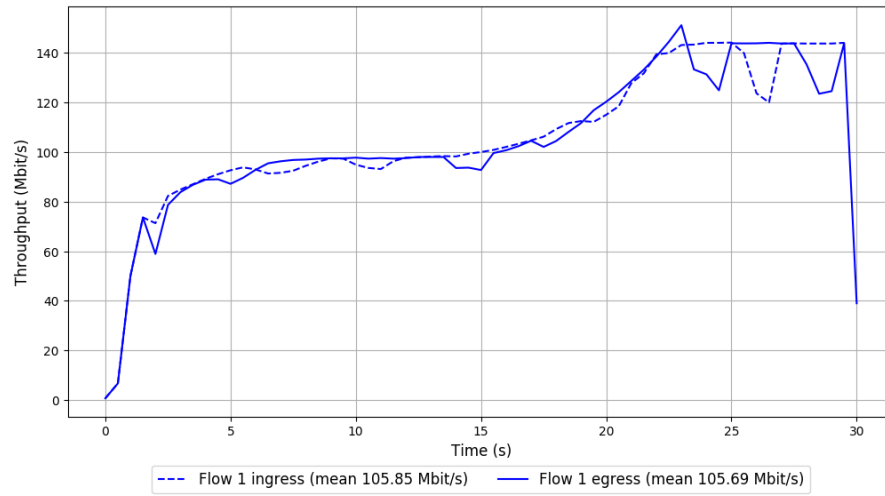


Run 8: Statistics of TCP Cubic

Start at: 2017-11-21 04:43:56
End at: 2017-11-21 04:44:26
Local clock offset: 0.066 ms
Remote clock offset: -16.61 ms

Below is generated by plot.py at 2017-11-21 06:09:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 105.69 Mbit/s
95th percentile per-packet one-way delay: 81.620 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 105.69 Mbit/s
95th percentile per-packet one-way delay: 81.620 ms
Loss rate: 0.14%

Run 8: Report of TCP Cubic — Data Link

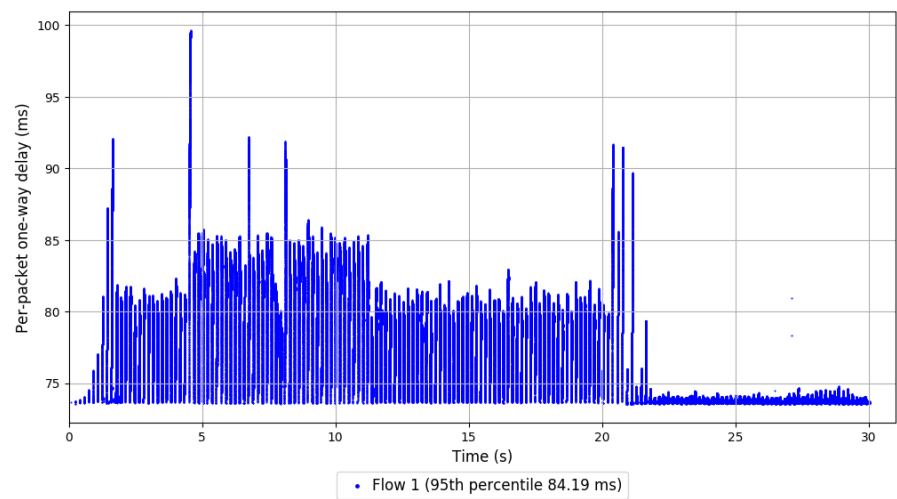
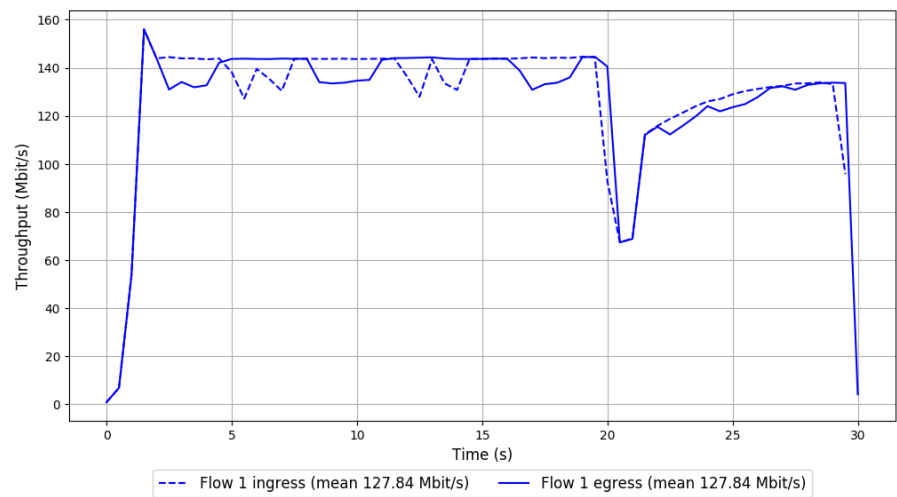


Run 9: Statistics of TCP Cubic

Start at: 2017-11-21 05:02:15
End at: 2017-11-21 05:02:45
Local clock offset: 0.057 ms
Remote clock offset: -15.975 ms

Below is generated by plot.py at 2017-11-21 06:10:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 127.84 Mbit/s
95th percentile per-packet one-way delay: 84.195 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 127.84 Mbit/s
95th percentile per-packet one-way delay: 84.195 ms
Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link

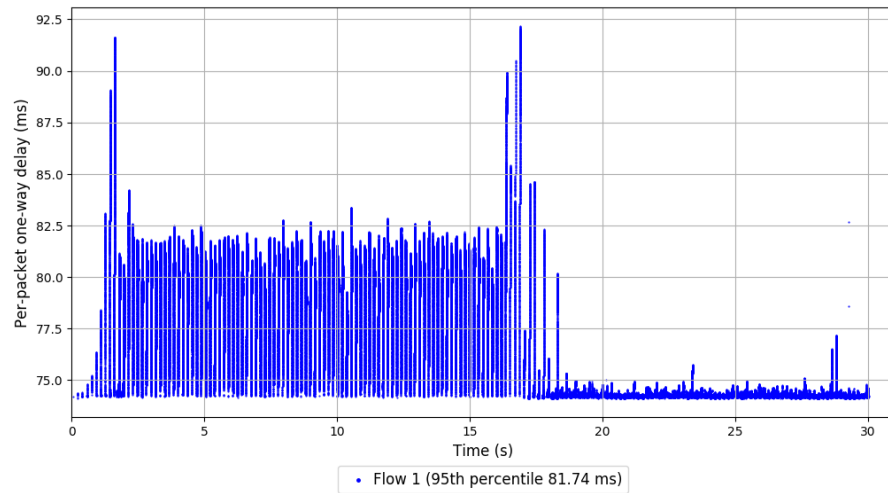
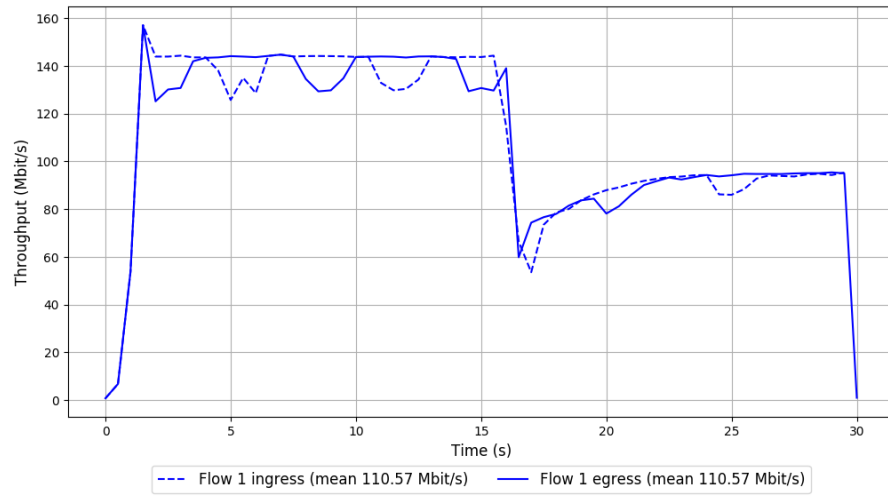


Run 10: Statistics of TCP Cubic

Start at: 2017-11-21 05:20:35
End at: 2017-11-21 05:21:05
Local clock offset: 0.039 ms
Remote clock offset: -15.787 ms

Below is generated by plot.py at 2017-11-21 06:10:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 110.57 Mbit/s
95th percentile per-packet one-way delay: 81.744 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 110.57 Mbit/s
95th percentile per-packet one-way delay: 81.744 ms
Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

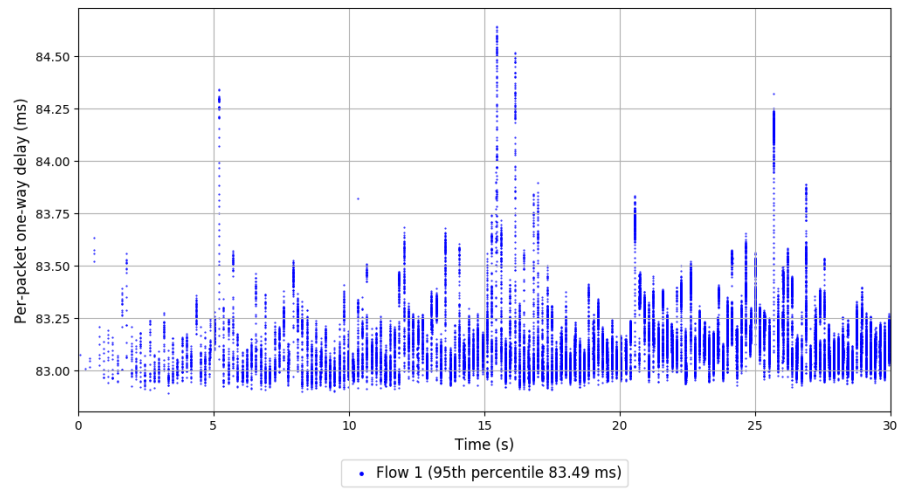
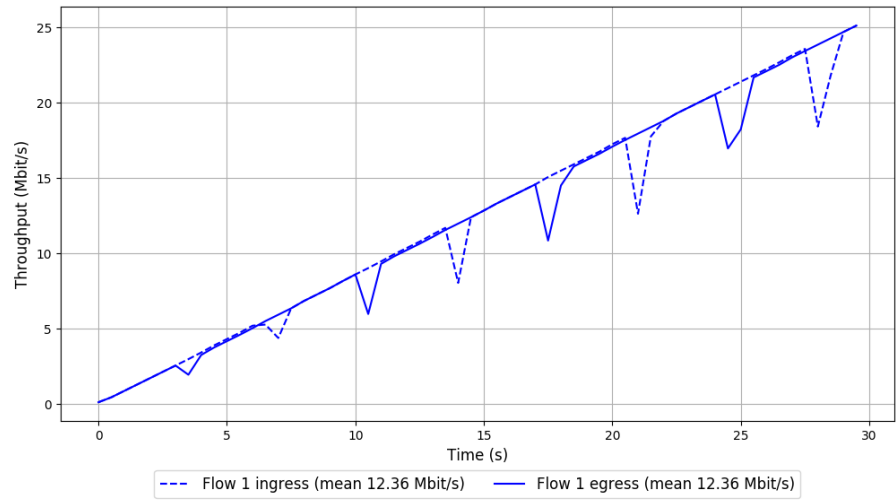


Run 1: Statistics of LEDBAT

Start at: 2017-11-21 02:41:02
End at: 2017-11-21 02:41:32
Local clock offset: -0.11 ms
Remote clock offset: -3.825 ms

Below is generated by plot.py at 2017-11-21 06:10:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.36 Mbit/s
95th percentile per-packet one-way delay: 83.492 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.36 Mbit/s
95th percentile per-packet one-way delay: 83.492 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

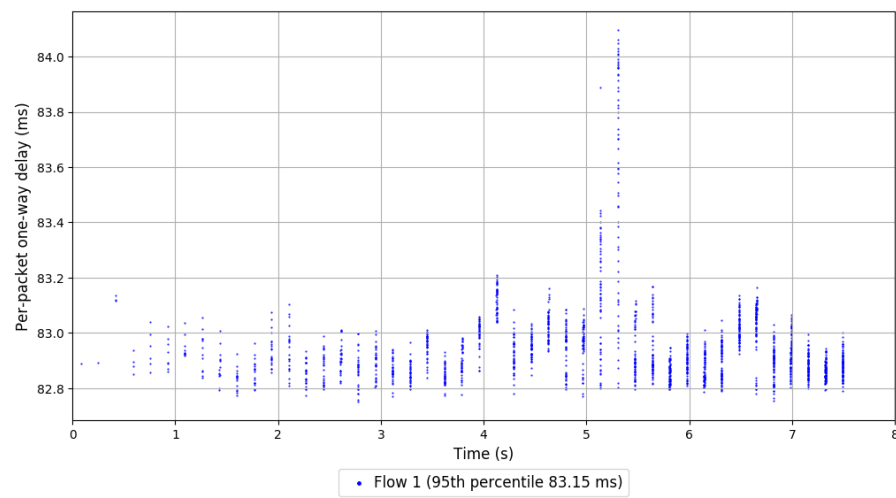
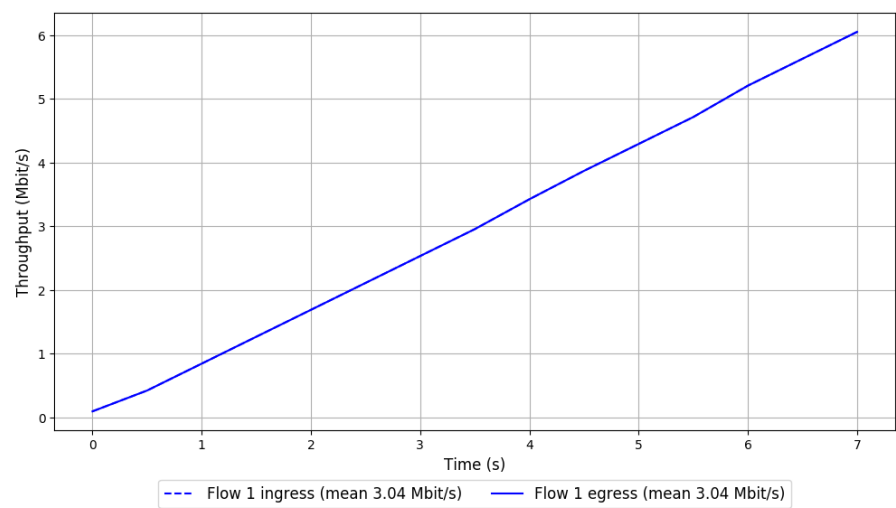
Start at: 2017-11-21 02:58:49

End at: 2017-11-21 02:59:19

Local clock offset: -0.12 ms

Remote clock offset: -4.762 ms

Run 2: Report of LEDBAT — Data Link

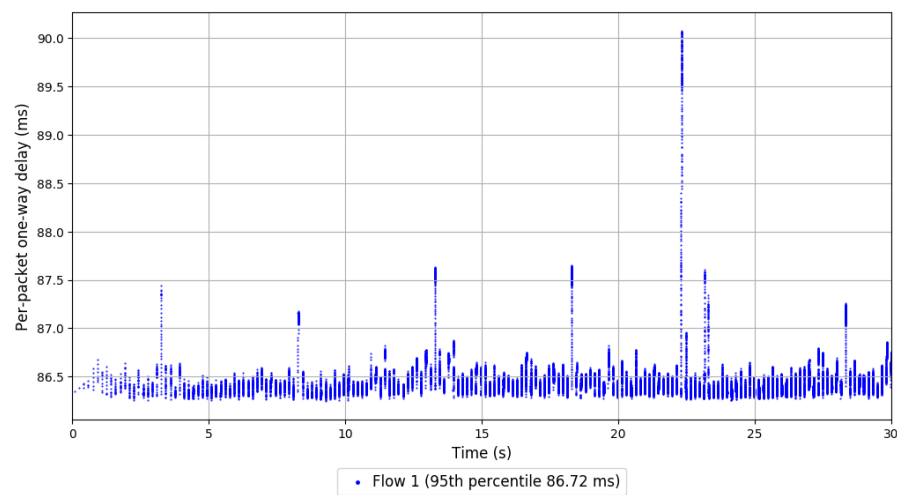
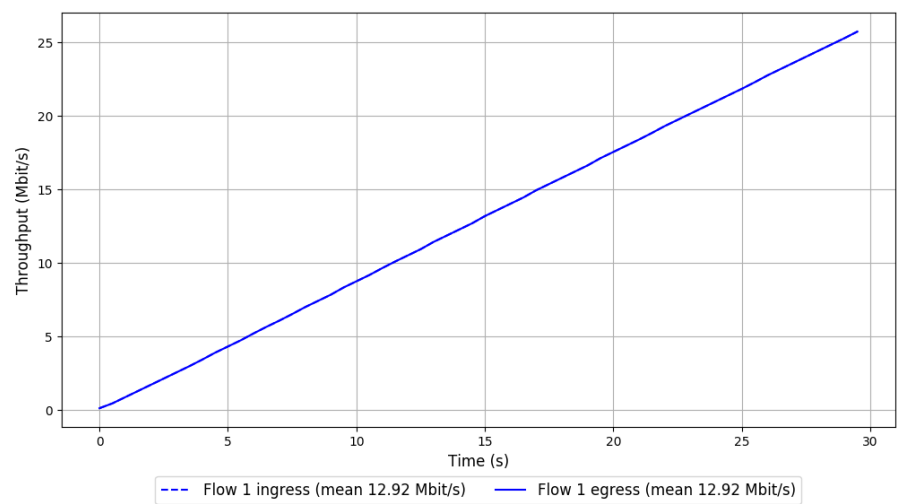


Run 3: Statistics of LEDBAT

Start at: 2017-11-21 03:16:52
End at: 2017-11-21 03:17:22
Local clock offset: -0.055 ms
Remote clock offset: -0.643 ms

Below is generated by plot.py at 2017-11-21 06:10:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.92 Mbit/s
95th percentile per-packet one-way delay: 86.723 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.92 Mbit/s
95th percentile per-packet one-way delay: 86.723 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

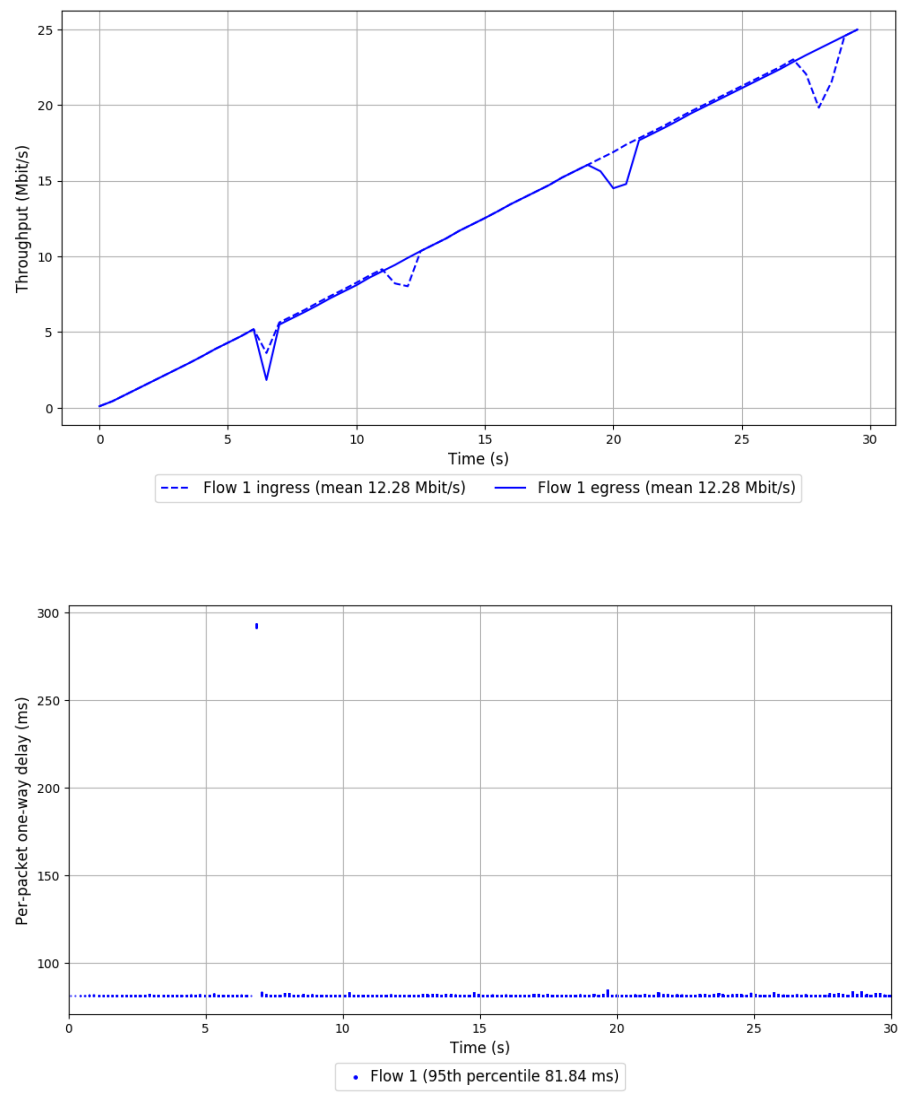


Run 4: Statistics of LEDBAT

Start at: 2017-11-21 03:34:57
End at: 2017-11-21 03:35:27
Local clock offset: 0.005 ms
Remote clock offset: -5.991 ms

Below is generated by plot.py at 2017-11-21 06:10:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.28 Mbit/s
95th percentile per-packet one-way delay: 81.837 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.28 Mbit/s
95th percentile per-packet one-way delay: 81.837 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

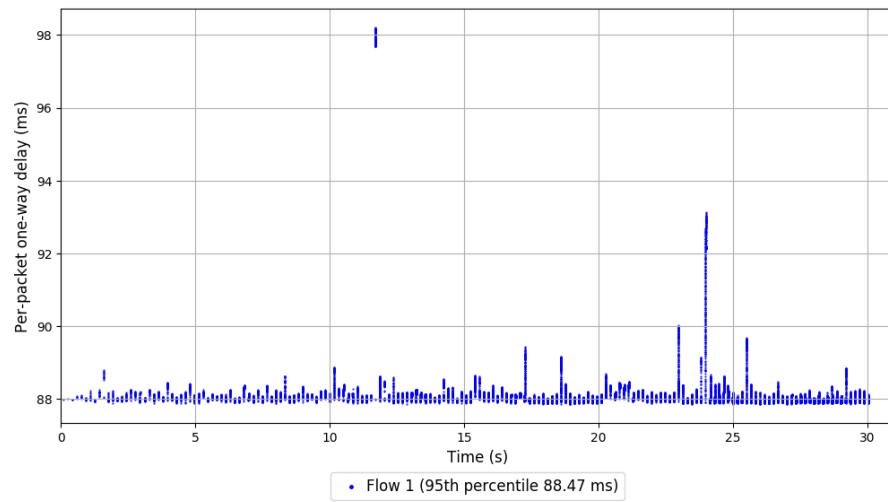
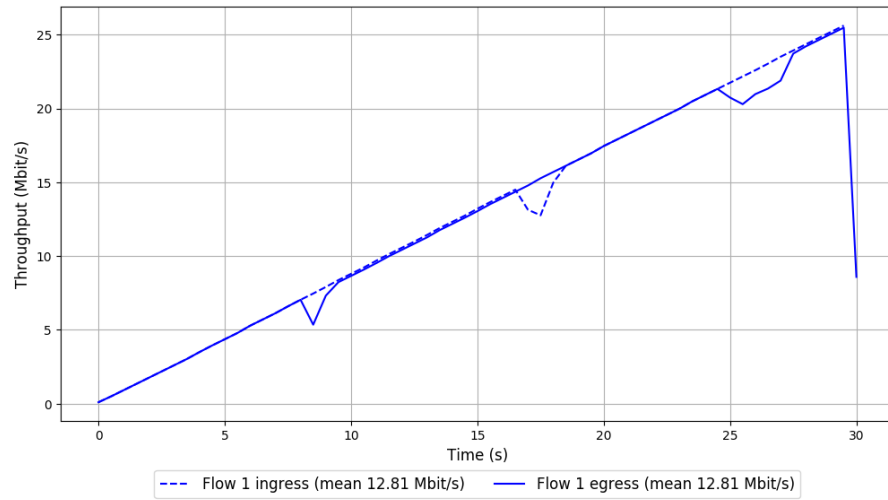


Run 5: Statistics of LEDBAT

Start at: 2017-11-21 03:52:41
End at: 2017-11-21 03:53:11
Local clock offset: 0.032 ms
Remote clock offset: -1.373 ms

Below is generated by plot.py at 2017-11-21 06:10:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.81 Mbit/s
95th percentile per-packet one-way delay: 88.466 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.81 Mbit/s
95th percentile per-packet one-way delay: 88.466 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

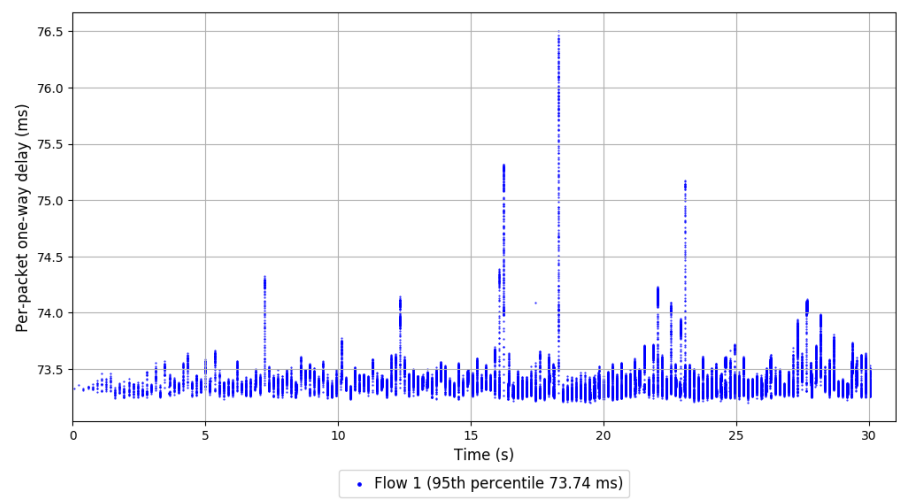
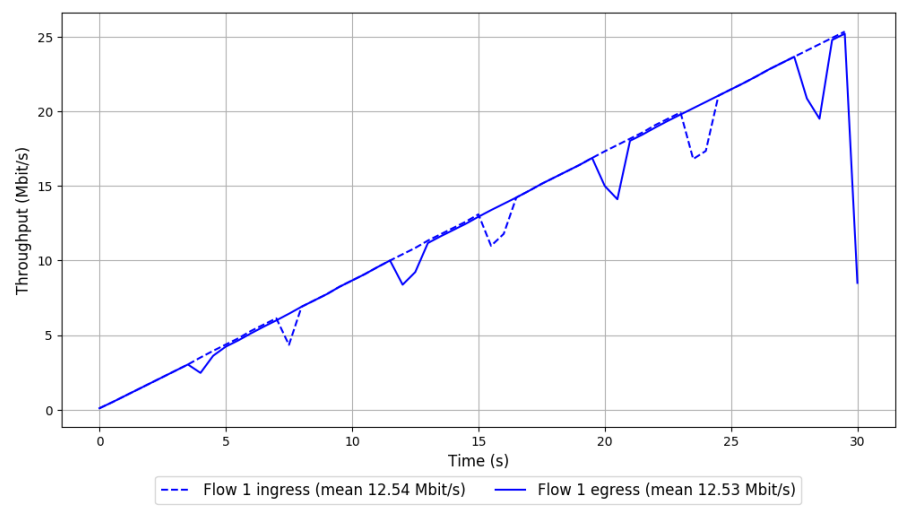


Run 6: Statistics of LEDBAT

Start at: 2017-11-21 04:10:32
End at: 2017-11-21 04:11:02
Local clock offset: 0.012 ms
Remote clock offset: -16.128 ms

Below is generated by plot.py at 2017-11-21 06:10:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.53 Mbit/s
95th percentile per-packet one-way delay: 73.737 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.53 Mbit/s
95th percentile per-packet one-way delay: 73.737 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

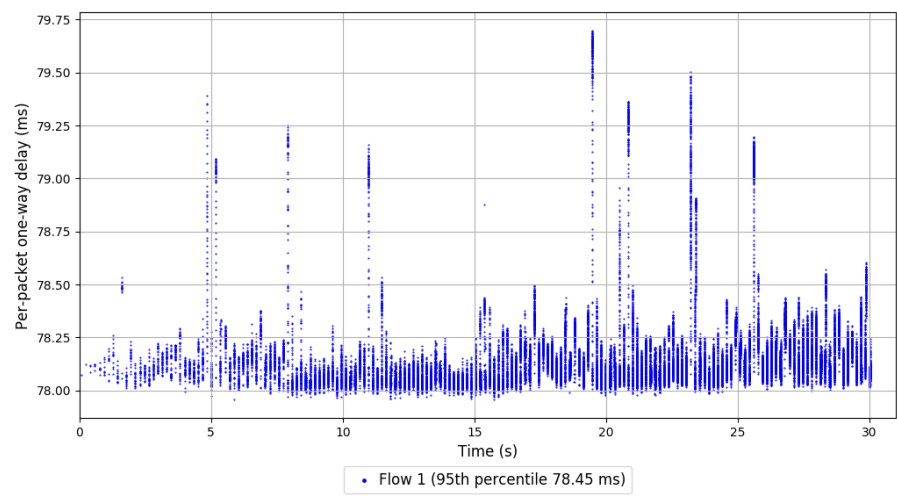
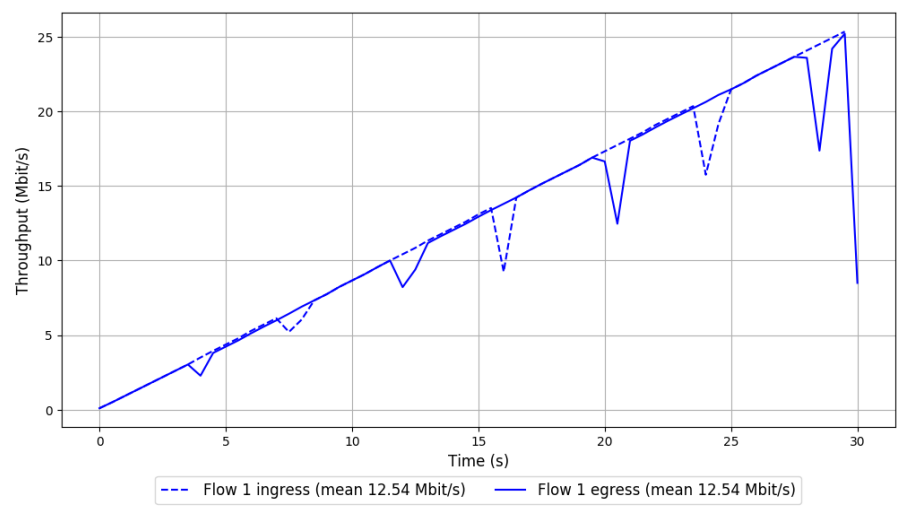


Run 7: Statistics of LEDBAT

Start at: 2017-11-21 04:28:37
End at: 2017-11-21 04:29:07
Local clock offset: 0.085 ms
Remote clock offset: -11.688 ms

Below is generated by plot.py at 2017-11-21 06:10:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.54 Mbit/s
95th percentile per-packet one-way delay: 78.451 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.54 Mbit/s
95th percentile per-packet one-way delay: 78.451 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

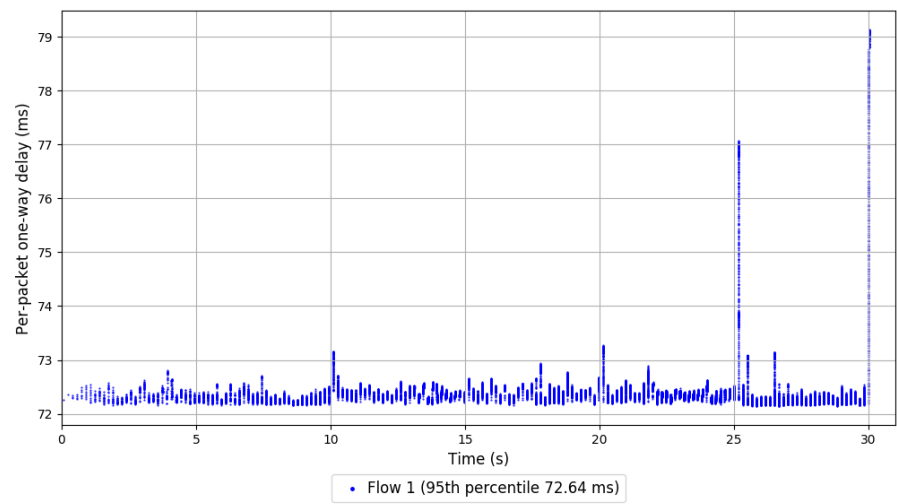
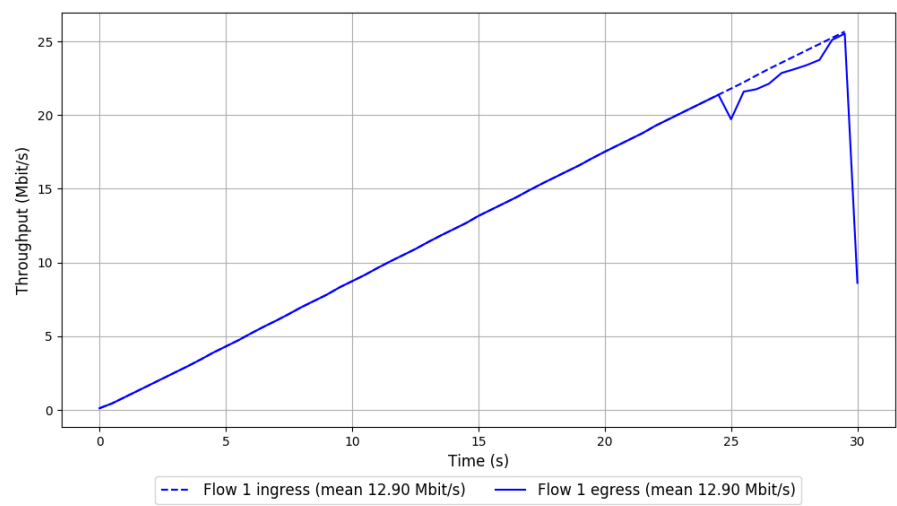


Run 8: Statistics of LEDBAT

Start at: 2017-11-21 04:46:43
End at: 2017-11-21 04:47:13
Local clock offset: 0.055 ms
Remote clock offset: -16.445 ms

Below is generated by plot.py at 2017-11-21 06:10:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.90 Mbit/s
95th percentile per-packet one-way delay: 72.645 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.90 Mbit/s
95th percentile per-packet one-way delay: 72.645 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

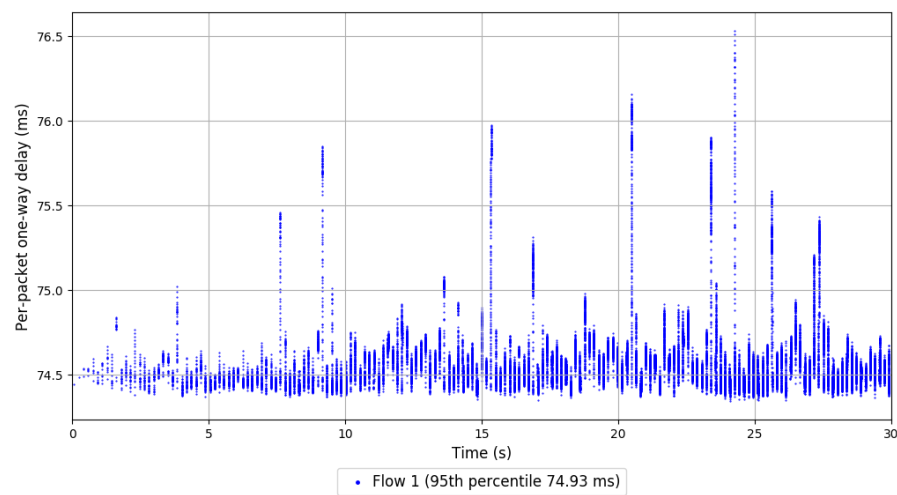
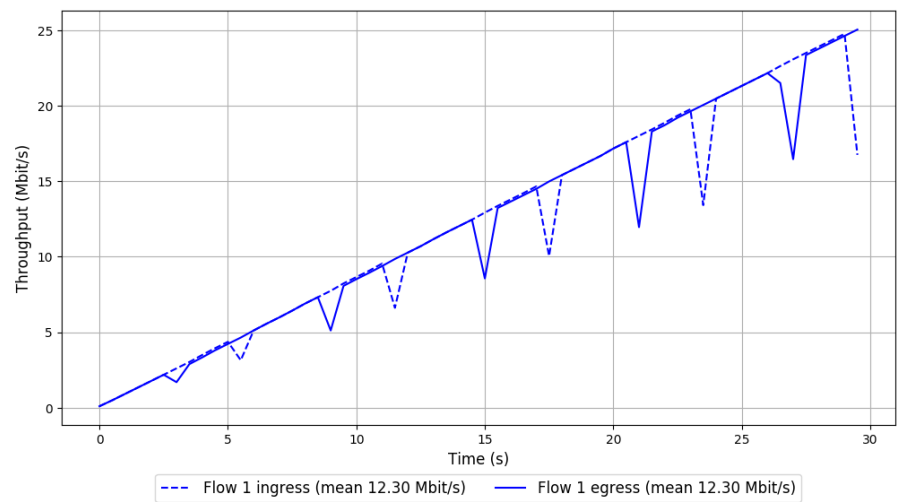


Run 9: Statistics of LEDBAT

Start at: 2017-11-21 05:05:01
End at: 2017-11-21 05:05:31
Local clock offset: -0.023 ms
Remote clock offset: -16.009 ms

Below is generated by plot.py at 2017-11-21 06:10:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.30 Mbit/s
95th percentile per-packet one-way delay: 74.933 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.30 Mbit/s
95th percentile per-packet one-way delay: 74.933 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

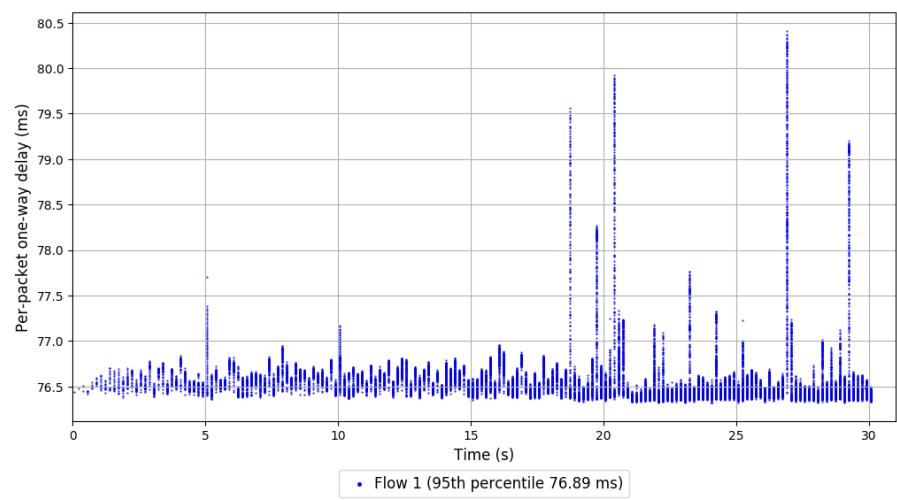
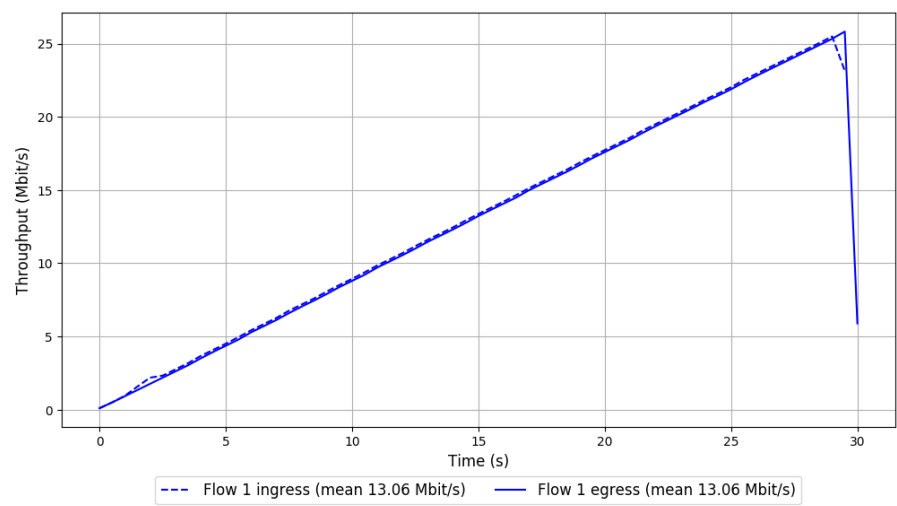


Run 10: Statistics of LEDBAT

Start at: 2017-11-21 05:23:13
End at: 2017-11-21 05:23:43
Local clock offset: 0.03 ms
Remote clock offset: -10.746 ms

Below is generated by plot.py at 2017-11-21 06:10:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.06 Mbit/s
95th percentile per-packet one-way delay: 76.888 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.06 Mbit/s
95th percentile per-packet one-way delay: 76.888 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

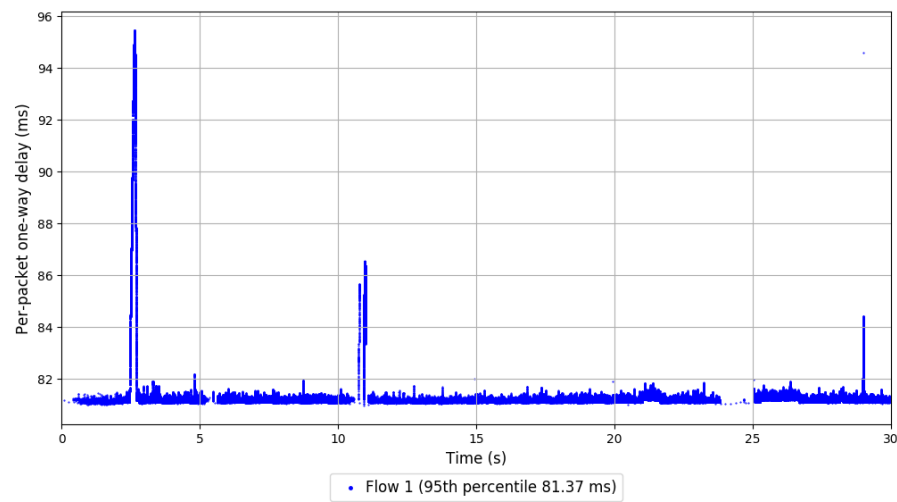
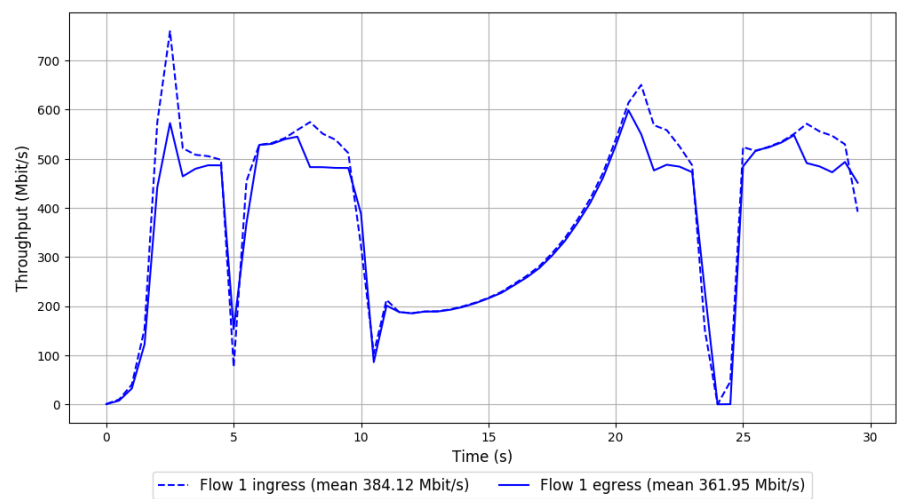


Run 1: Statistics of PCC

Start at: 2017-11-21 02:33:17
End at: 2017-11-21 02:33:48
Local clock offset: -0.114 ms
Remote clock offset: -3.351 ms

Below is generated by plot.py at 2017-11-21 06:14:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 361.95 Mbit/s
95th percentile per-packet one-way delay: 81.369 ms
Loss rate: 5.77%
-- Flow 1:
Average throughput: 361.95 Mbit/s
95th percentile per-packet one-way delay: 81.369 ms
Loss rate: 5.77%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2017-11-21 02:51:07

End at: 2017-11-21 02:51:37

Local clock offset: -0.061 ms

Remote clock offset: 0.643 ms

Below is generated by plot.py at 2017-11-21 06:14:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 348.96 Mbit/s

95th percentile per-packet one-way delay: 86.603 ms

Loss rate: 7.68%

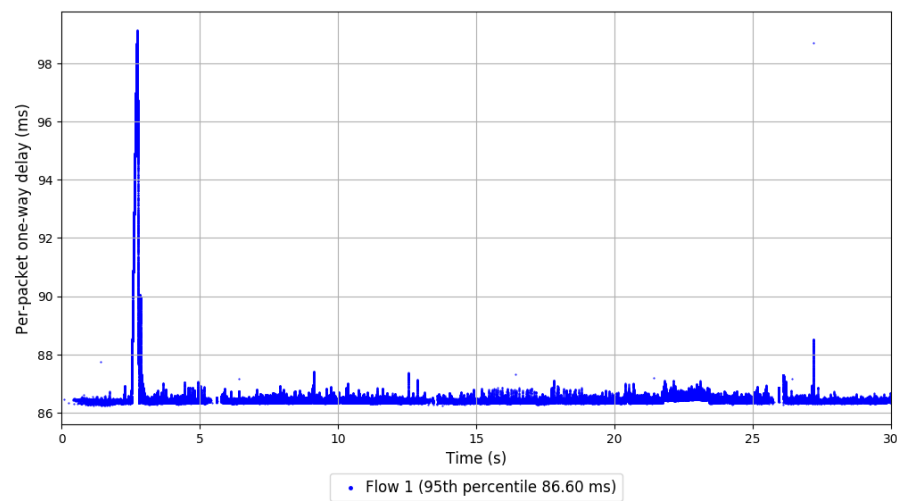
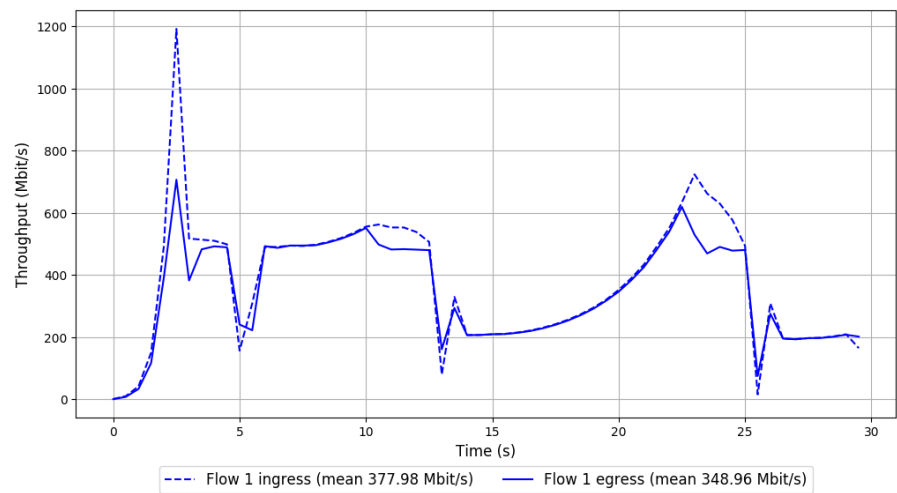
-- Flow 1:

Average throughput: 348.96 Mbit/s

95th percentile per-packet one-way delay: 86.603 ms

Loss rate: 7.68%

Run 2: Report of PCC — Data Link

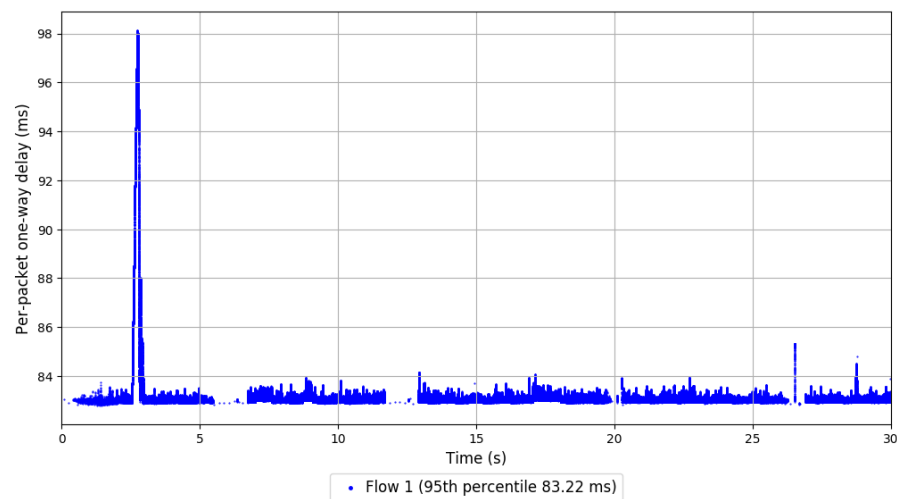
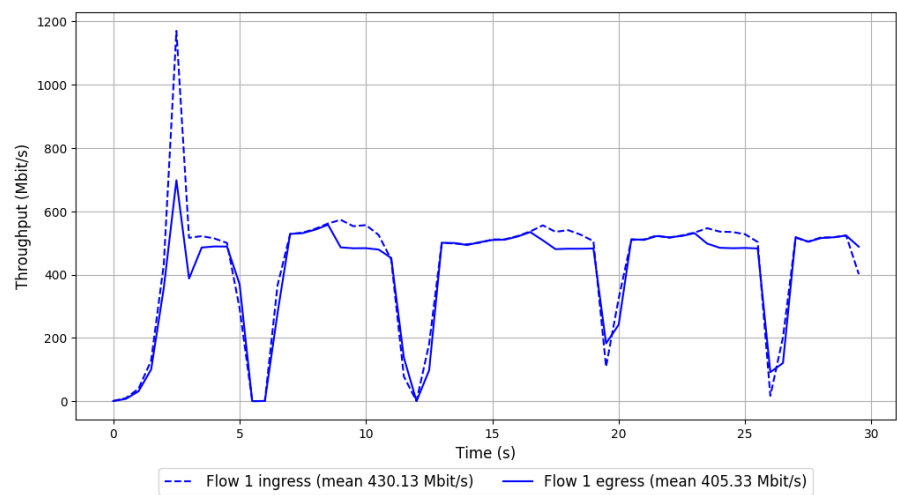


Run 3: Statistics of PCC

Start at: 2017-11-21 03:09:06
End at: 2017-11-21 03:09:36
Local clock offset: -0.067 ms
Remote clock offset: -5.004 ms

Below is generated by plot.py at 2017-11-21 06:15:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 405.33 Mbit/s
95th percentile per-packet one-way delay: 83.225 ms
Loss rate: 5.76%
-- Flow 1:
Average throughput: 405.33 Mbit/s
95th percentile per-packet one-way delay: 83.225 ms
Loss rate: 5.76%

Run 3: Report of PCC — Data Link

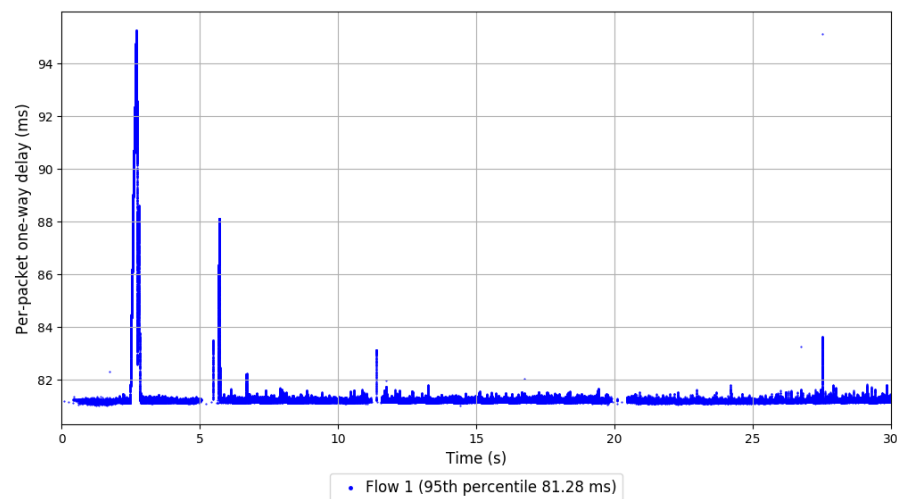
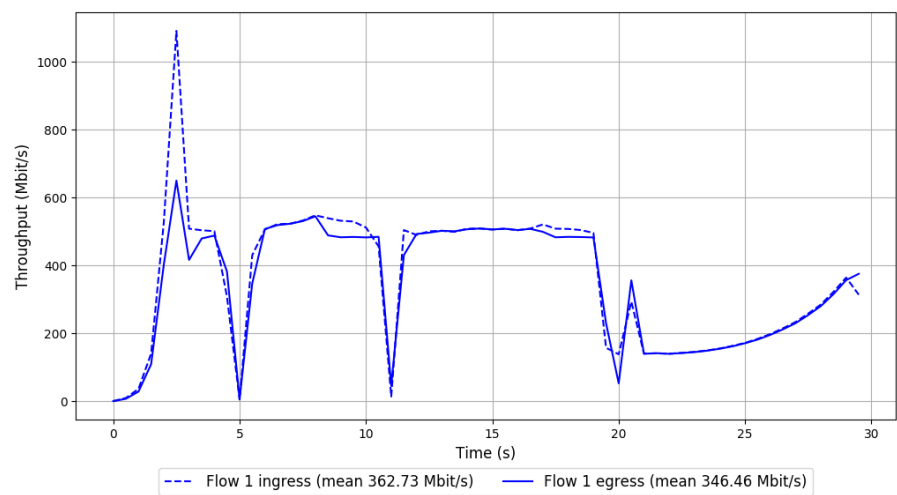


Run 4: Statistics of PCC

Start at: 2017-11-21 03:27:11
End at: 2017-11-21 03:27:41
Local clock offset: -0.041 ms
Remote clock offset: -5.955 ms

Below is generated by plot.py at 2017-11-21 06:15:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 346.46 Mbit/s
95th percentile per-packet one-way delay: 81.278 ms
Loss rate: 4.49%
-- Flow 1:
Average throughput: 346.46 Mbit/s
95th percentile per-packet one-way delay: 81.278 ms
Loss rate: 4.49%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2017-11-21 03:45:02

End at: 2017-11-21 03:45:32

Local clock offset: 0.003 ms

Remote clock offset: -1.23 ms

Below is generated by plot.py at 2017-11-21 06:15:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 333.92 Mbit/s

95th percentile per-packet one-way delay: 86.302 ms

Loss rate: 4.90%

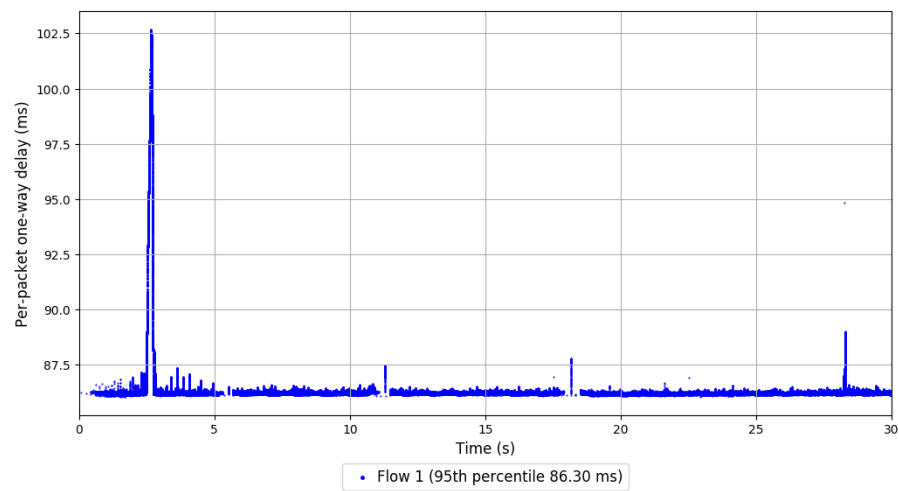
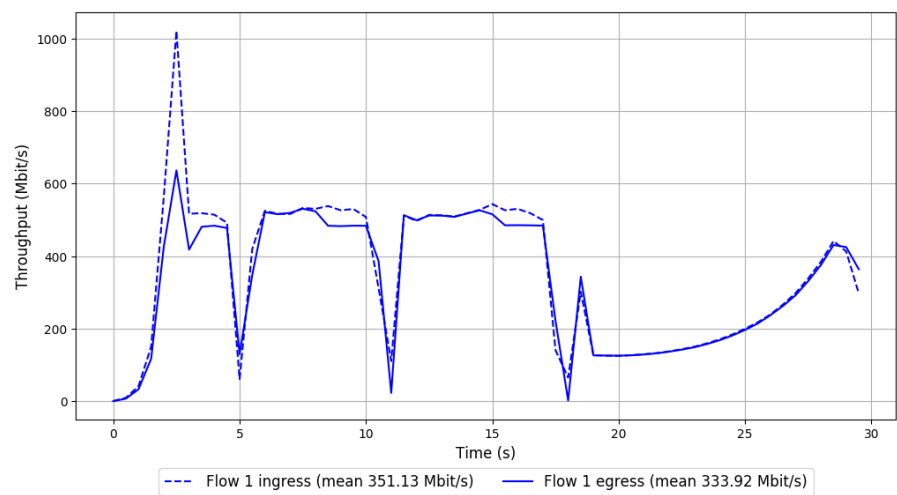
-- Flow 1:

Average throughput: 333.92 Mbit/s

95th percentile per-packet one-way delay: 86.302 ms

Loss rate: 4.90%

Run 5: Report of PCC — Data Link

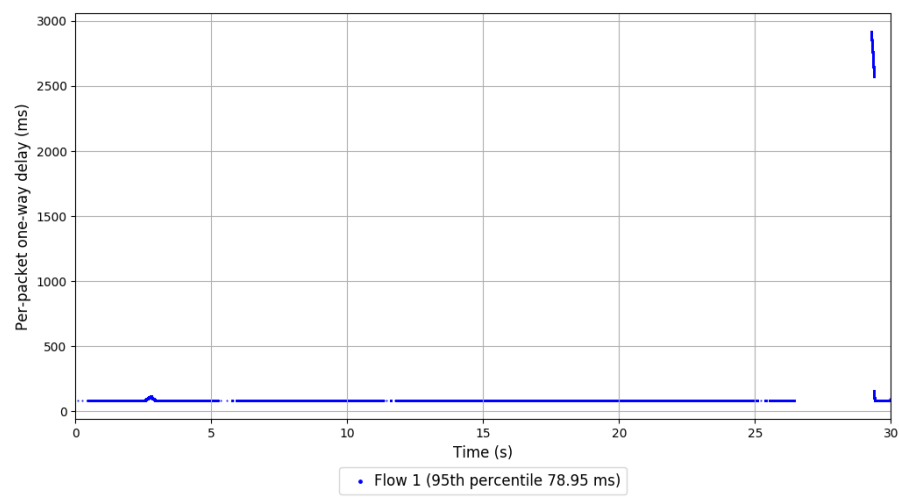
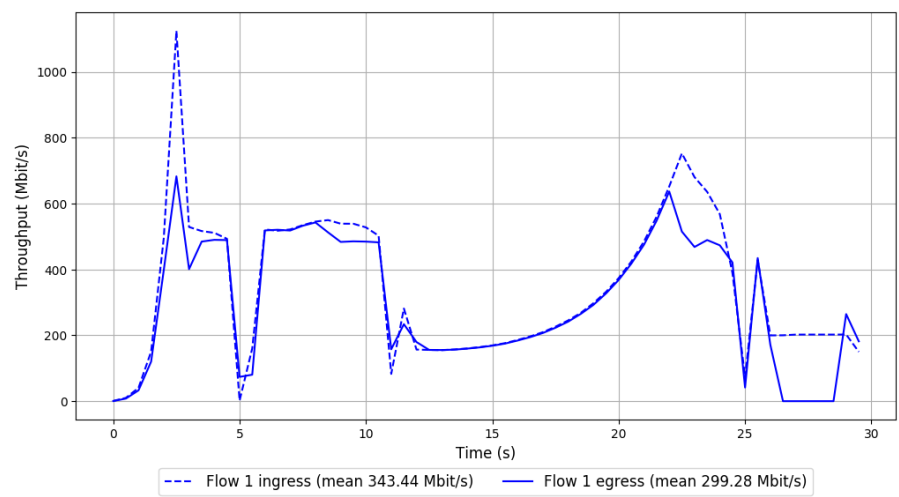


Run 6: Statistics of PCC

Start at: 2017-11-21 04:02:49
End at: 2017-11-21 04:03:19
Local clock offset: 0.042 ms
Remote clock offset: -10.854 ms

Below is generated by plot.py at 2017-11-21 06:15:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 299.28 Mbit/s
95th percentile per-packet one-way delay: 78.947 ms
Loss rate: 12.89%
-- Flow 1:
Average throughput: 299.28 Mbit/s
95th percentile per-packet one-way delay: 78.947 ms
Loss rate: 12.89%

Run 6: Report of PCC — Data Link

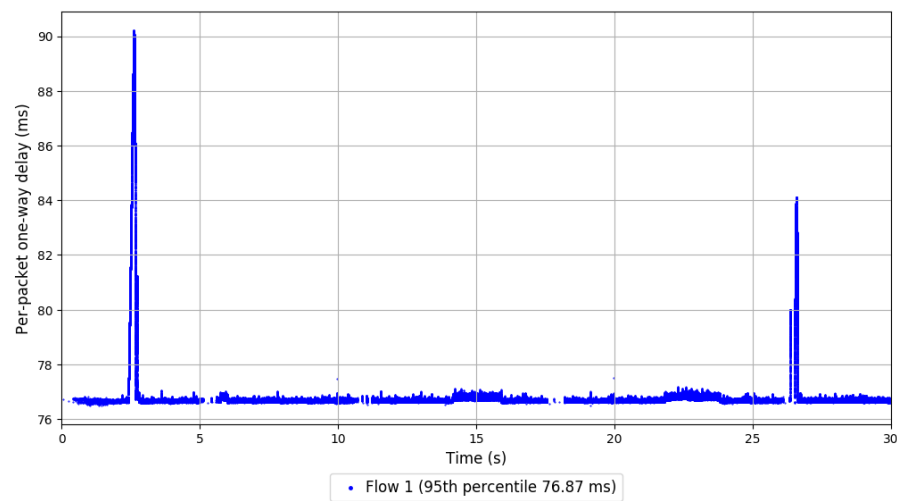
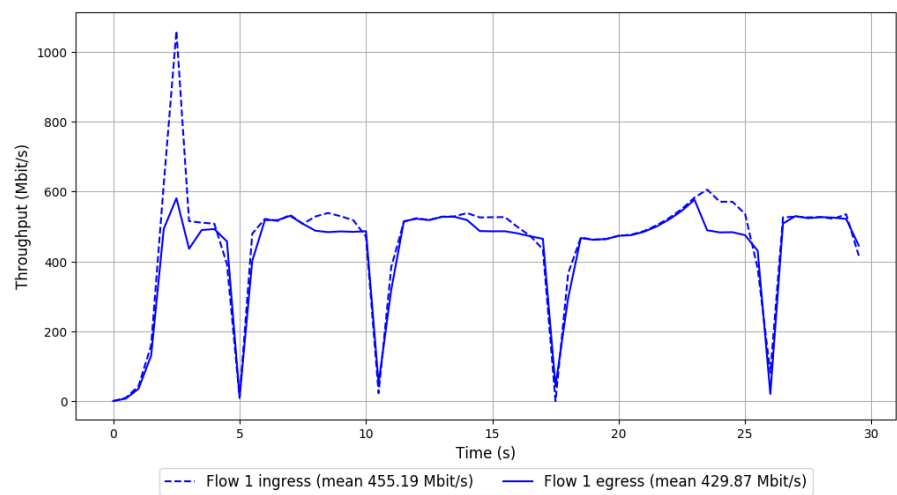


Run 7: Statistics of PCC

Start at: 2017-11-21 04:20:41
End at: 2017-11-21 04:21:11
Local clock offset: 0.064 ms
Remote clock offset: -11.437 ms

Below is generated by plot.py at 2017-11-21 06:16:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 429.87 Mbit/s
95th percentile per-packet one-way delay: 76.870 ms
Loss rate: 5.56%
-- Flow 1:
Average throughput: 429.87 Mbit/s
95th percentile per-packet one-way delay: 76.870 ms
Loss rate: 5.56%

Run 7: Report of PCC — Data Link

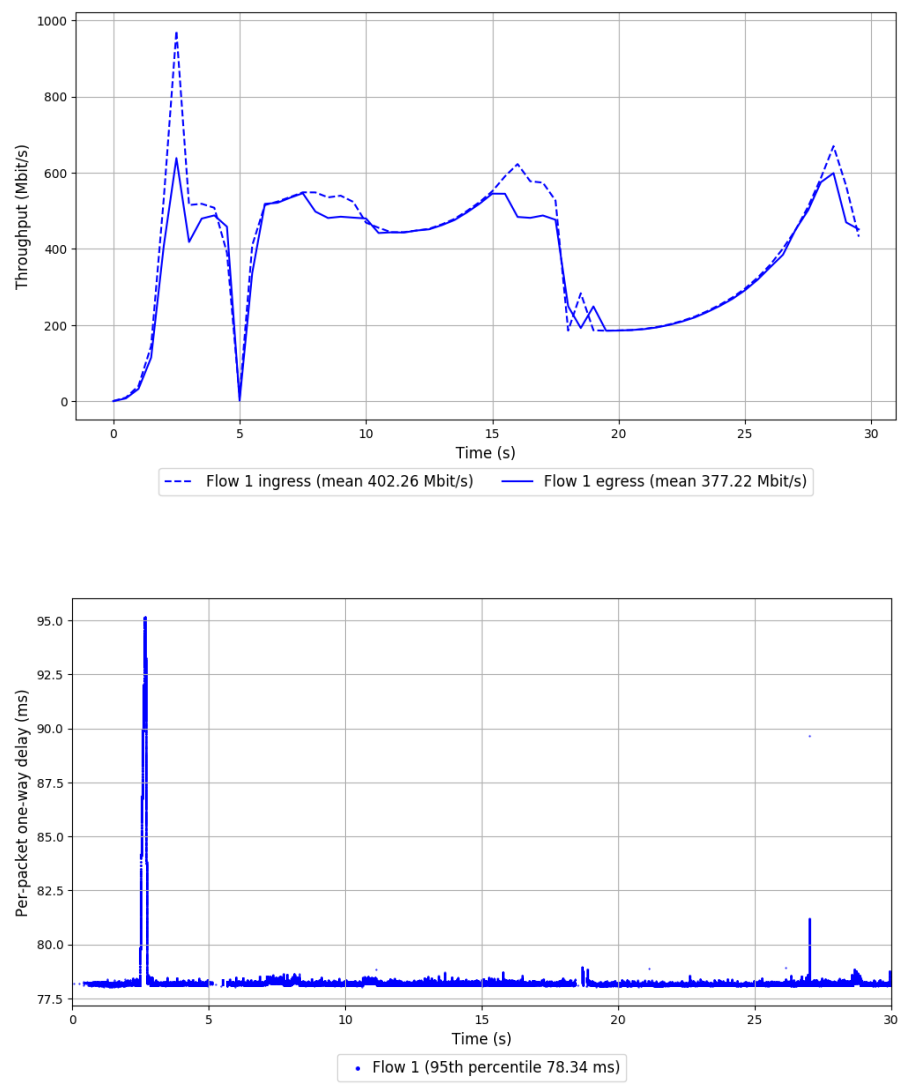


Run 8: Statistics of PCC

Start at: 2017-11-21 04:38:50
End at: 2017-11-21 04:39:21
Local clock offset: 0.06 ms
Remote clock offset: -11.81 ms

Below is generated by plot.py at 2017-11-21 06:16:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 377.22 Mbit/s
95th percentile per-packet one-way delay: 78.339 ms
Loss rate: 6.22%
-- Flow 1:
Average throughput: 377.22 Mbit/s
95th percentile per-packet one-way delay: 78.339 ms
Loss rate: 6.22%

Run 8: Report of PCC — Data Link

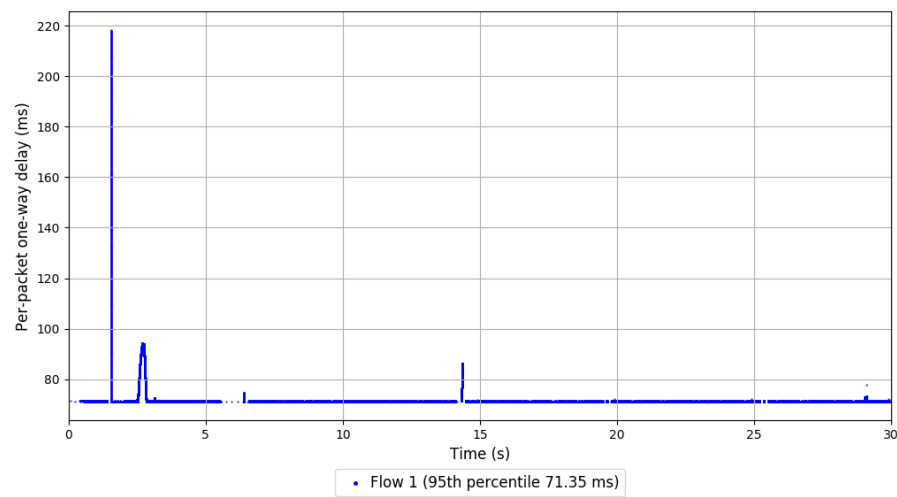
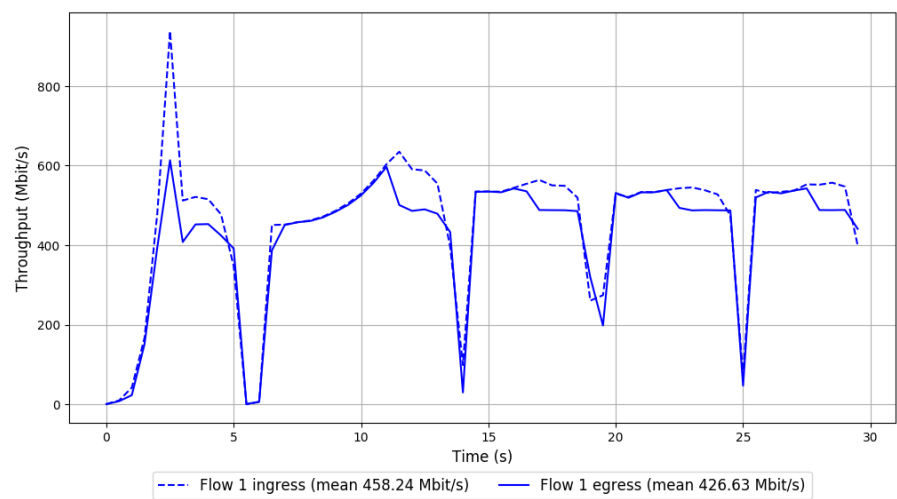


Run 9: Statistics of PCC

Start at: 2017-11-21 04:57:05
End at: 2017-11-21 04:57:35
Local clock offset: 0.056 ms
Remote clock offset: -16.172 ms

Below is generated by plot.py at 2017-11-21 06:20:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 426.63 Mbit/s
95th percentile per-packet one-way delay: 71.352 ms
Loss rate: 6.90%
-- Flow 1:
Average throughput: 426.63 Mbit/s
95th percentile per-packet one-way delay: 71.352 ms
Loss rate: 6.90%

Run 9: Report of PCC — Data Link

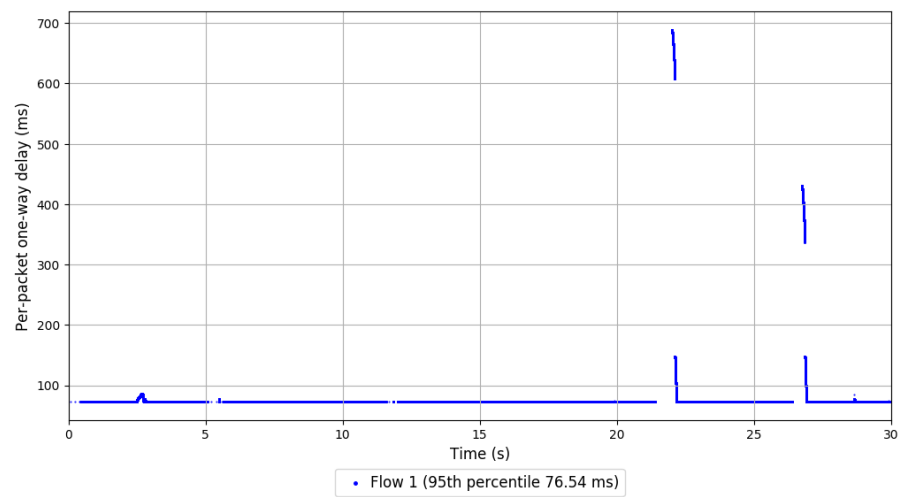
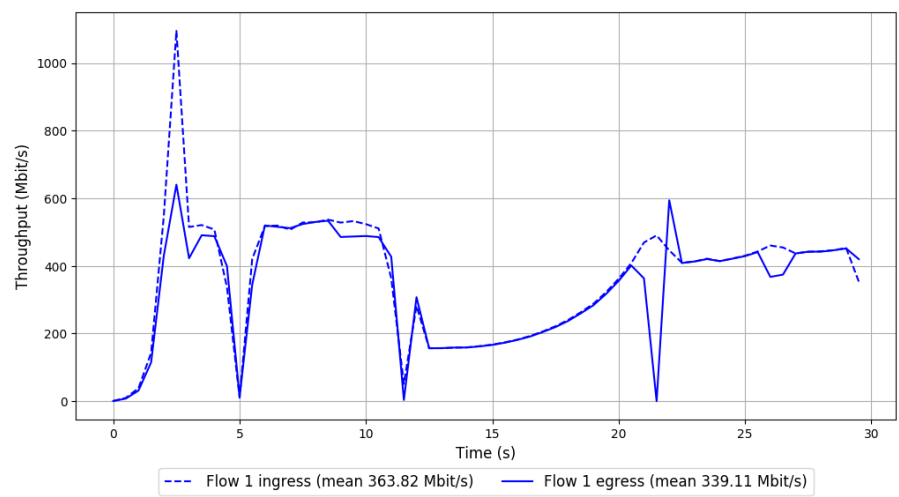


Run 10: Statistics of PCC

Start at: 2017-11-21 05:15:28
End at: 2017-11-21 05:15:58
Local clock offset: -0.051 ms
Remote clock offset: -15.935 ms

Below is generated by plot.py at 2017-11-21 06:20:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 339.11 Mbit/s
95th percentile per-packet one-way delay: 76.536 ms
Loss rate: 6.79%
-- Flow 1:
Average throughput: 339.11 Mbit/s
95th percentile per-packet one-way delay: 76.536 ms
Loss rate: 6.79%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2017-11-21 02:32:03

End at: 2017-11-21 02:32:33

Local clock offset: -0.126 ms

Remote clock offset: -3.348 ms

Below is generated by plot.py at 2017-11-21 06:20:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.51 Mbit/s

95th percentile per-packet one-way delay: 81.343 ms

Loss rate: 0.00%

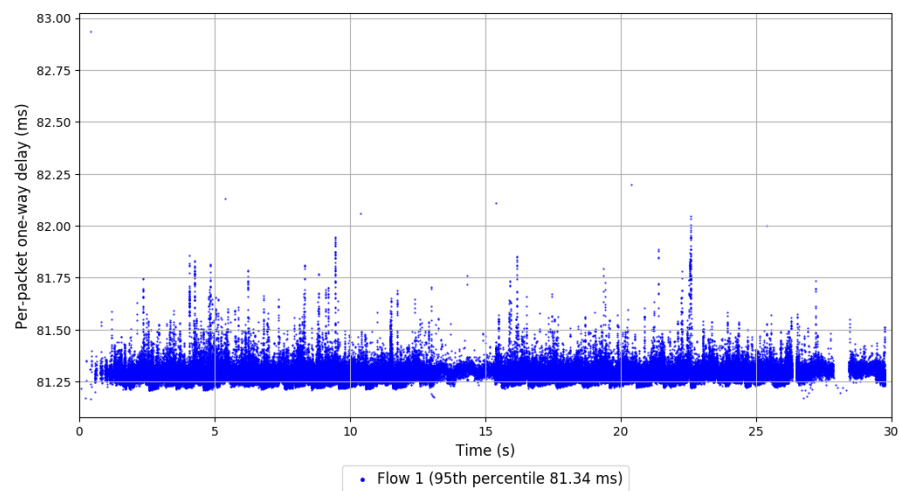
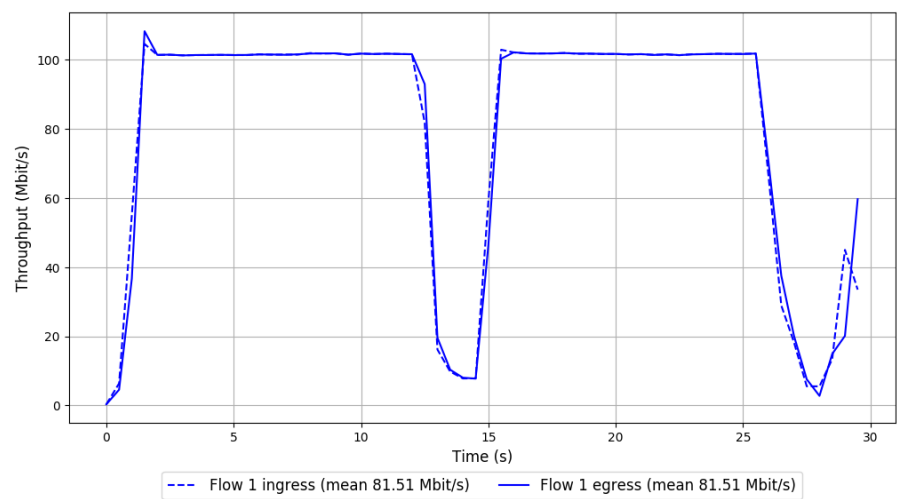
-- Flow 1:

Average throughput: 81.51 Mbit/s

95th percentile per-packet one-way delay: 81.343 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link

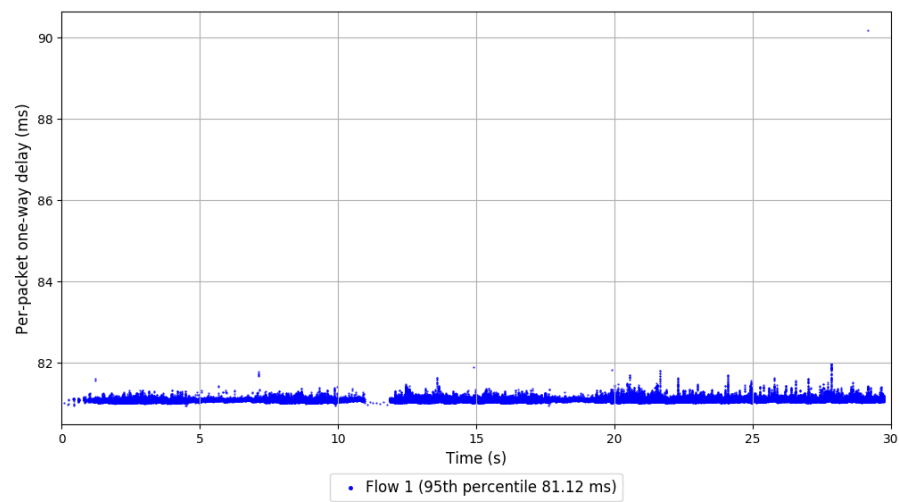
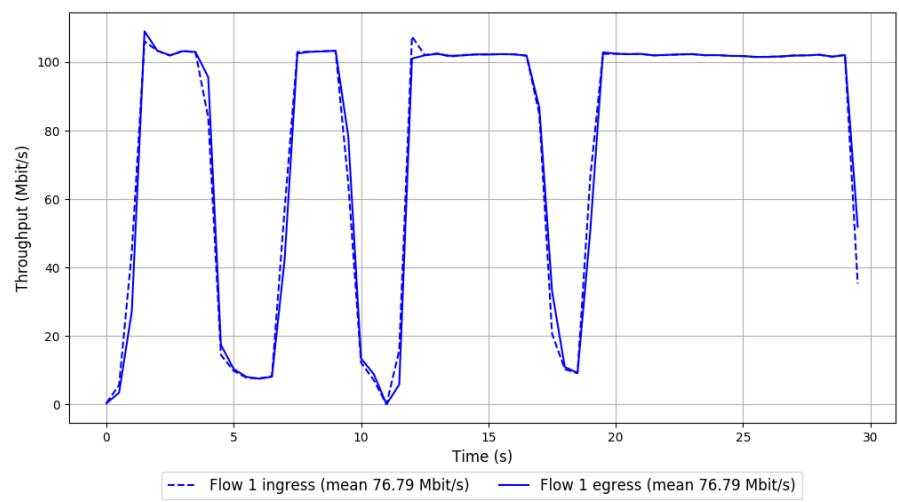


Run 2: Statistics of QUIC Cubic

Start at: 2017-11-21 02:49:53
End at: 2017-11-21 02:50:23
Local clock offset: -0.139 ms
Remote clock offset: -4.311 ms

Below is generated by plot.py at 2017-11-21 06:20:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.79 Mbit/s
95th percentile per-packet one-way delay: 81.121 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.79 Mbit/s
95th percentile per-packet one-way delay: 81.121 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2017-11-21 03:07:52

End at: 2017-11-21 03:08:22

Local clock offset: -0.121 ms

Remote clock offset: -5.143 ms

Below is generated by plot.py at 2017-11-21 06:20:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.25 Mbit/s

95th percentile per-packet one-way delay: 82.901 ms

Loss rate: 0.00%

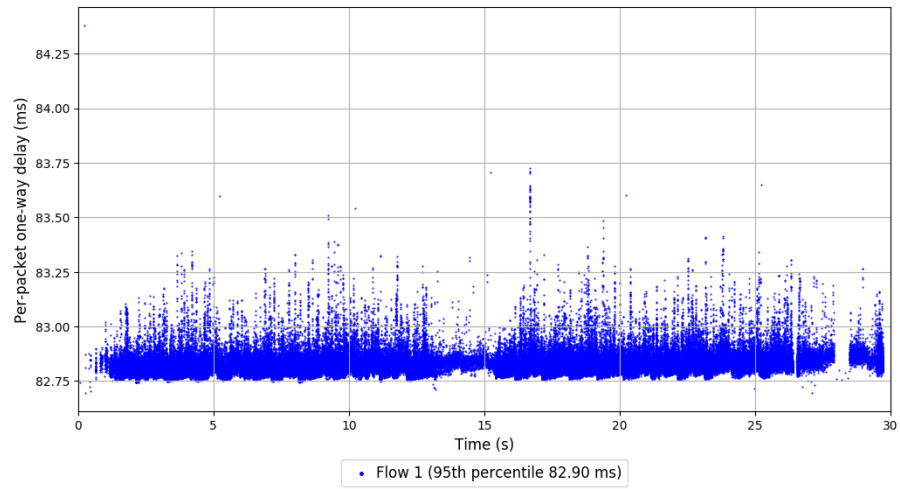
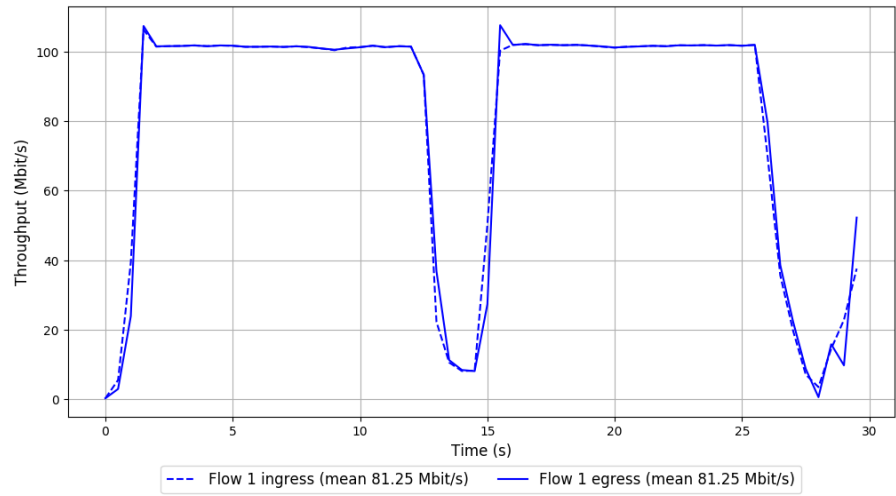
-- Flow 1:

Average throughput: 81.25 Mbit/s

95th percentile per-packet one-way delay: 82.901 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2017-11-21 03:25:57

End at: 2017-11-21 03:26:27

Local clock offset: -0.099 ms

Remote clock offset: -0.848 ms

Below is generated by plot.py at 2017-11-21 06:20:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.75 Mbit/s

95th percentile per-packet one-way delay: 87.839 ms

Loss rate: 0.00%

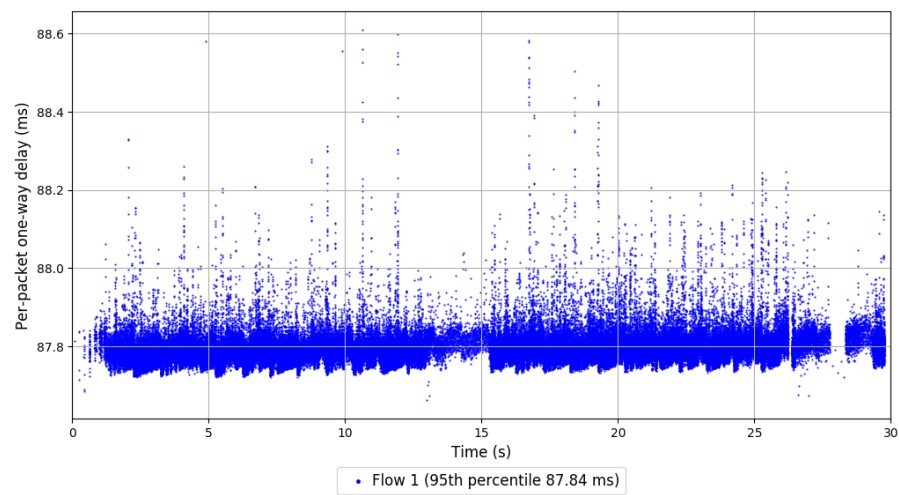
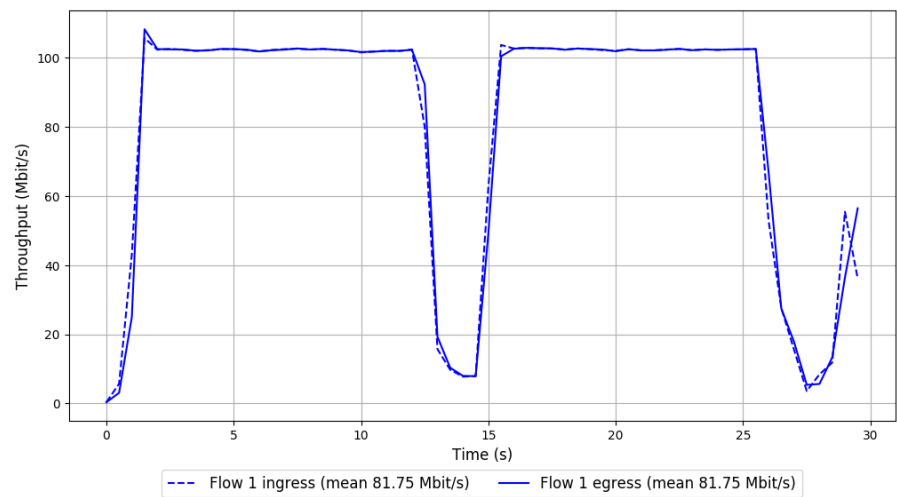
-- Flow 1:

Average throughput: 81.75 Mbit/s

95th percentile per-packet one-way delay: 87.839 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2017-11-21 03:43:48

End at: 2017-11-21 03:44:18

Local clock offset: 0.003 ms

Remote clock offset: -6.136 ms

Below is generated by plot.py at 2017-11-21 06:20:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.95 Mbit/s

95th percentile per-packet one-way delay: 83.173 ms

Loss rate: 0.00%

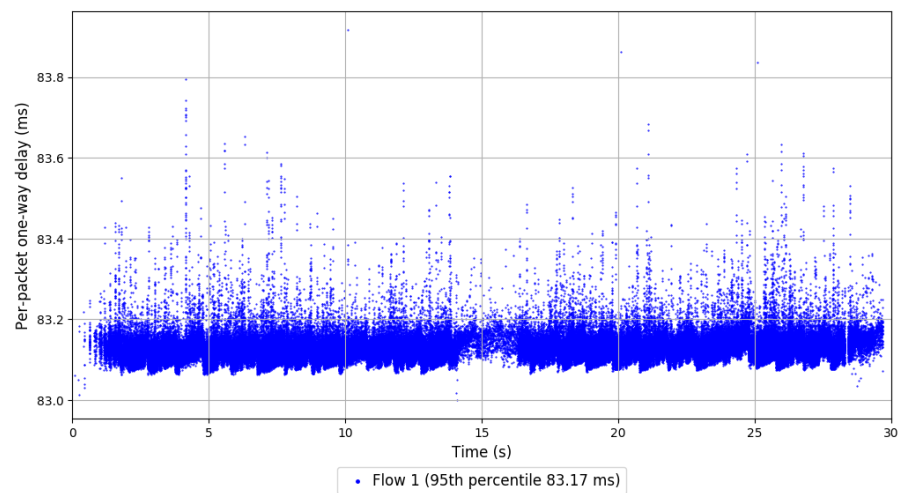
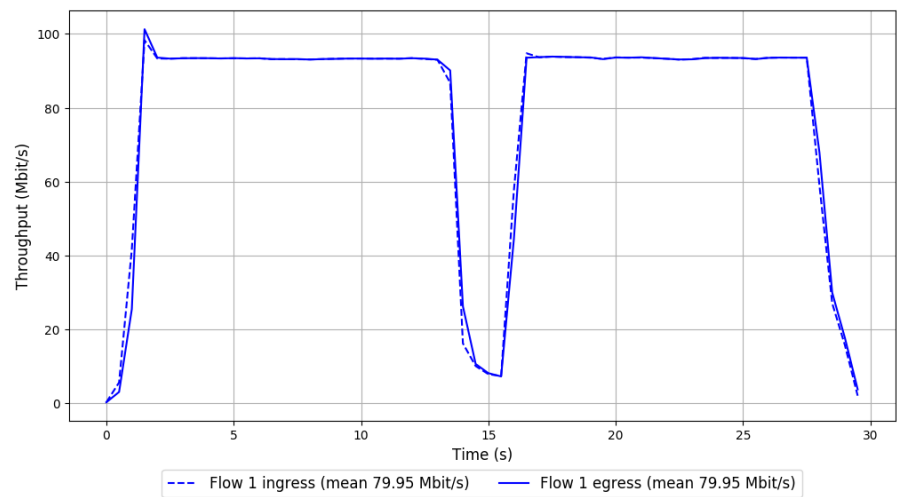
-- Flow 1:

Average throughput: 79.95 Mbit/s

95th percentile per-packet one-way delay: 83.173 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

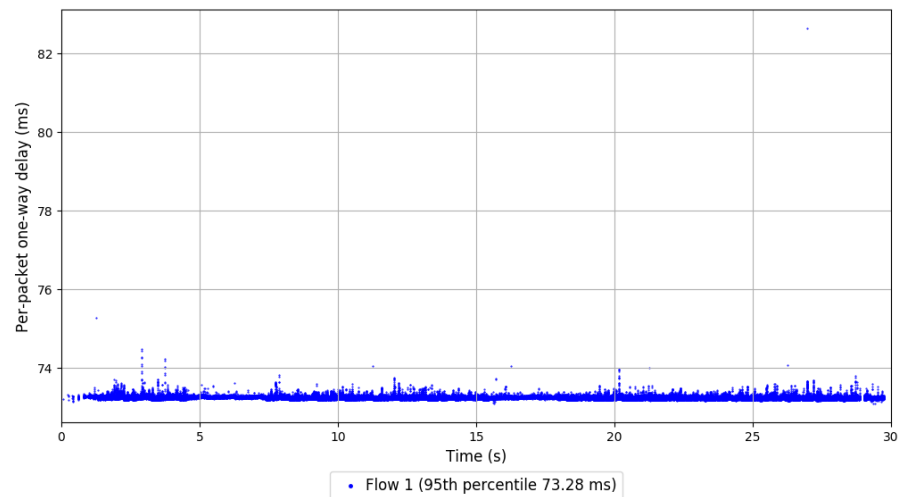
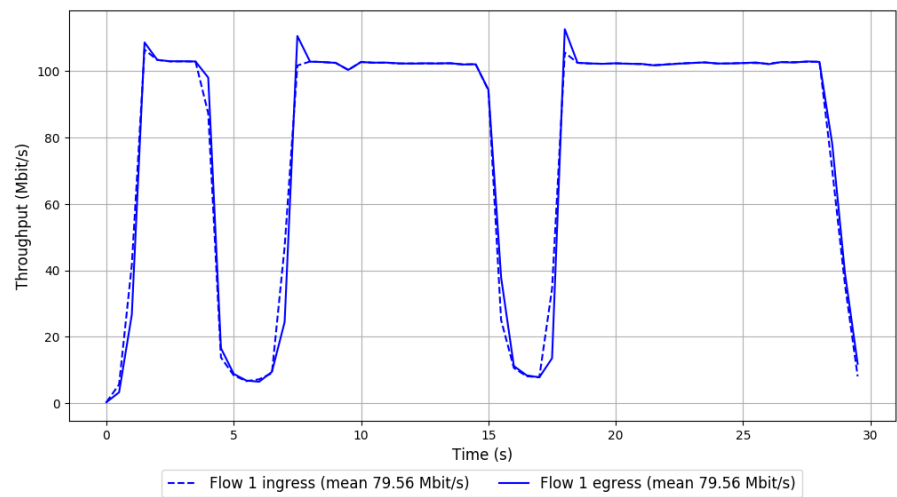


Run 6: Statistics of QUIC Cubic

Start at: 2017-11-21 04:01:35
End at: 2017-11-21 04:02:05
Local clock offset: -0.028 ms
Remote clock offset: -16.027 ms

Below is generated by plot.py at 2017-11-21 06:20:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.56 Mbit/s
95th percentile per-packet one-way delay: 73.279 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 79.56 Mbit/s
95th percentile per-packet one-way delay: 73.279 ms
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

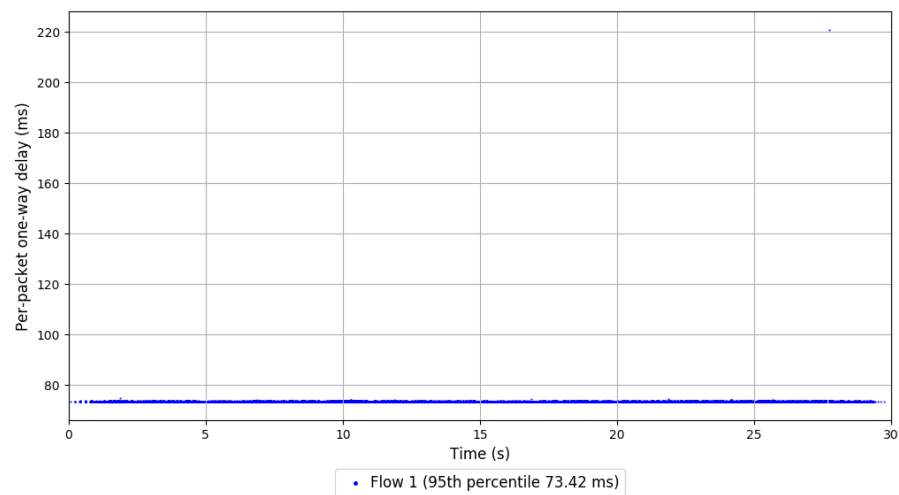
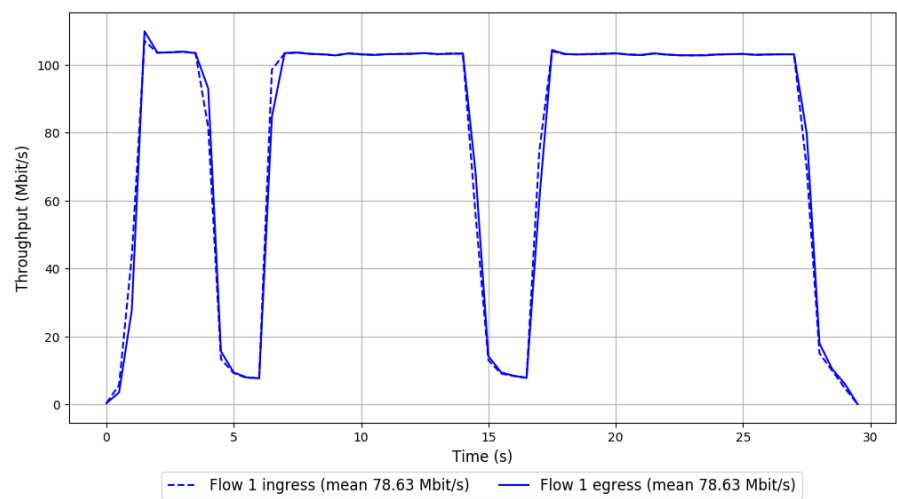


Run 7: Statistics of QUIC Cubic

Start at: 2017-11-21 04:19:27
End at: 2017-11-21 04:19:57
Local clock offset: 0.062 ms
Remote clock offset: -16.366 ms

Below is generated by plot.py at 2017-11-21 06:20:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.63 Mbit/s
95th percentile per-packet one-way delay: 73.425 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 78.63 Mbit/s
95th percentile per-packet one-way delay: 73.425 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

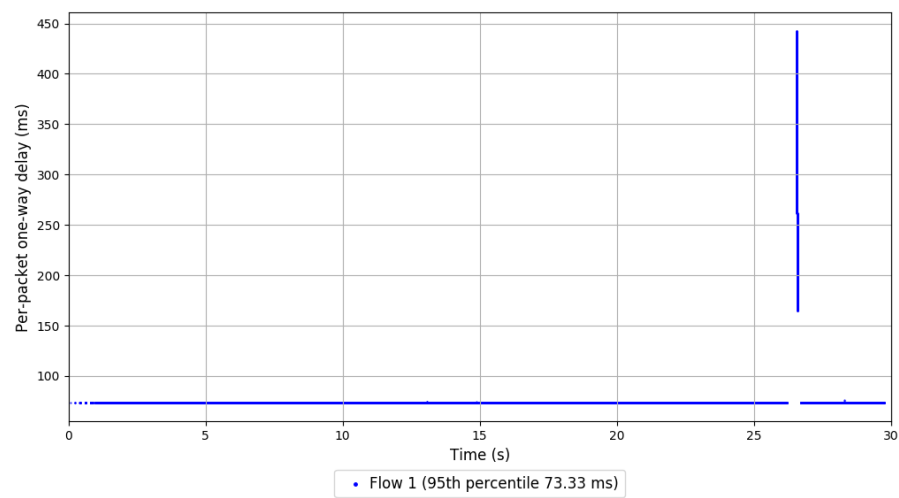
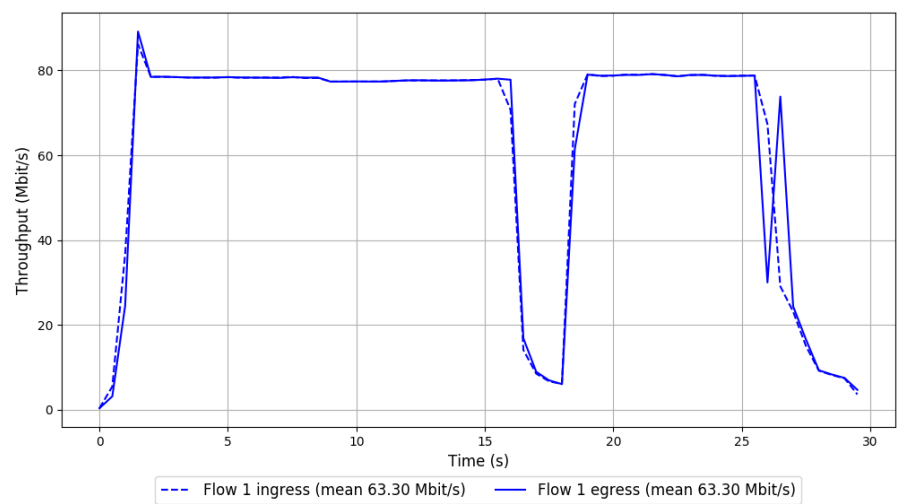


Run 8: Statistics of QUIC Cubic

Start at: 2017-11-21 04:37:37
End at: 2017-11-21 04:38:07
Local clock offset: 0.047 ms
Remote clock offset: -16.689 ms

Below is generated by plot.py at 2017-11-21 06:20:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.30 Mbit/s
95th percentile per-packet one-way delay: 73.326 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.30 Mbit/s
95th percentile per-packet one-way delay: 73.326 ms
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

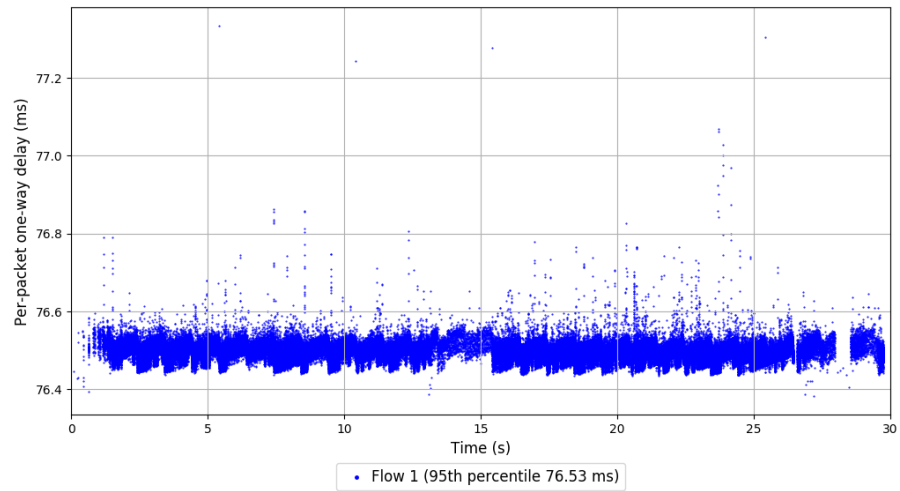
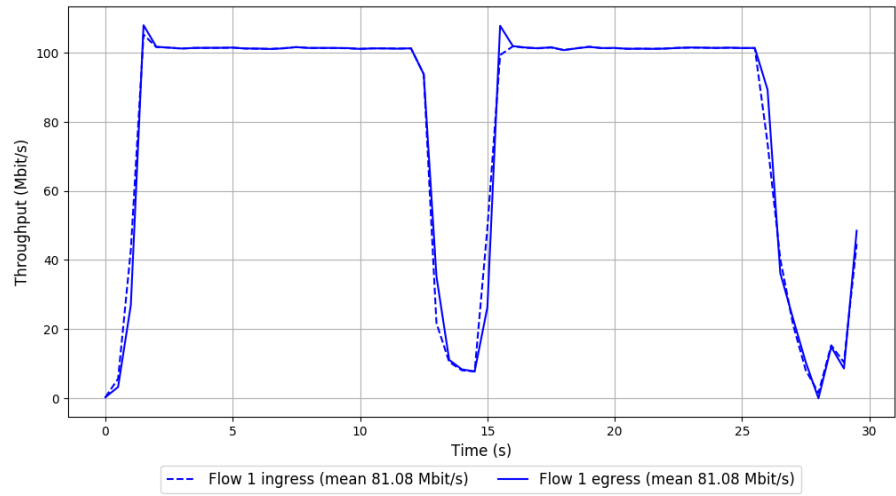


Run 9: Statistics of QUIC Cubic

Start at: 2017-11-21 04:55:51
End at: 2017-11-21 04:56:21
Local clock offset: 0.016 ms
Remote clock offset: -11.247 ms

Below is generated by plot.py at 2017-11-21 06:20:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.08 Mbit/s
95th percentile per-packet one-way delay: 76.527 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 81.08 Mbit/s
95th percentile per-packet one-way delay: 76.527 ms
Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2017-11-21 05:14:14

End at: 2017-11-21 05:14:44

Local clock offset: -0.063 ms

Remote clock offset: -15.795 ms

Below is generated by plot.py at 2017-11-21 06:20:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.61 Mbit/s

95th percentile per-packet one-way delay: 71.729 ms

Loss rate: 0.00%

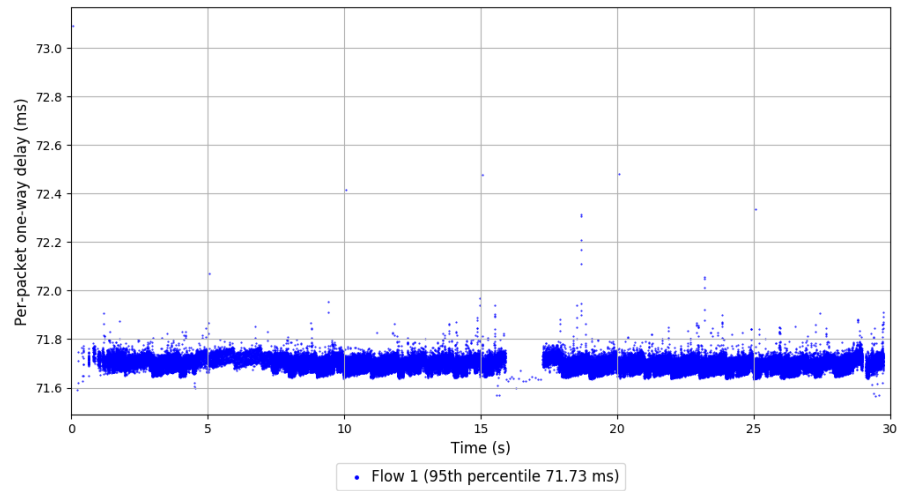
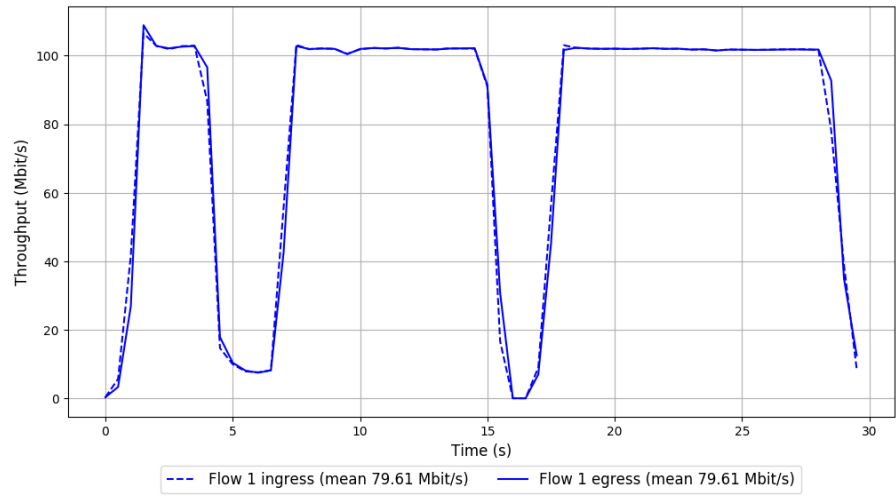
-- Flow 1:

Average throughput: 79.61 Mbit/s

95th percentile per-packet one-way delay: 71.729 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

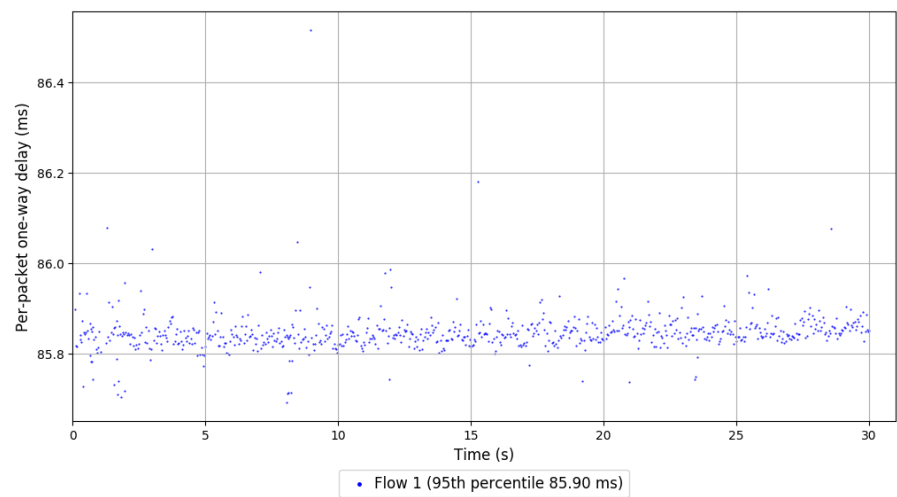
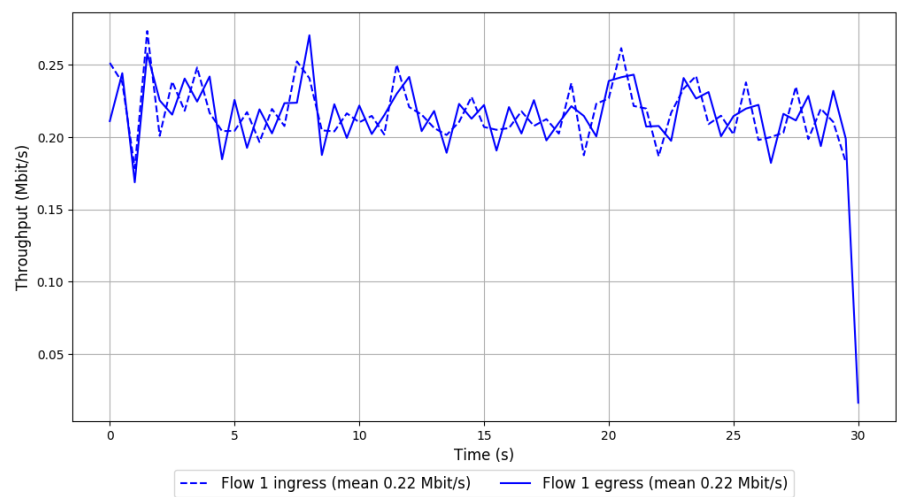


```
Run 1: Statistics of SCReAM

Start at: 2017-11-21 02:44:39
End at: 2017-11-21 02:45:09
Local clock offset: -0.146 ms
Remote clock offset: 0.843 ms

# Below is generated by plot.py at 2017-11-21 06:20:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.903 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.903 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

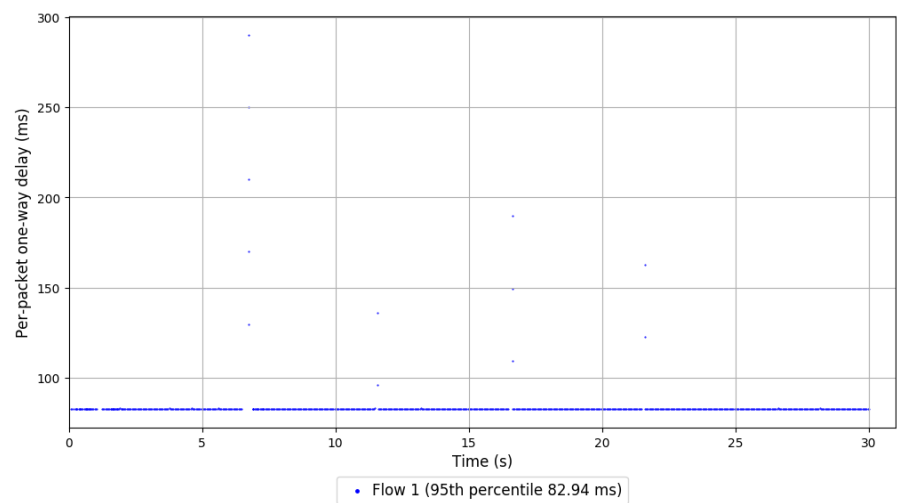
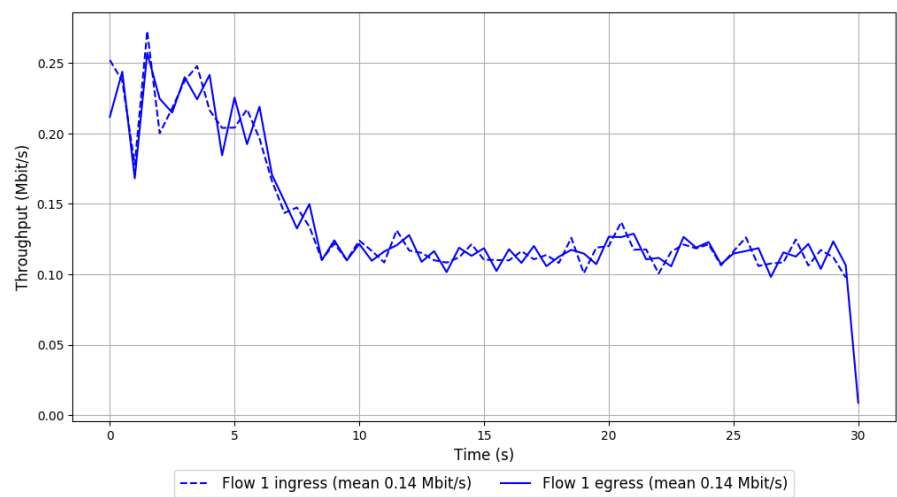


Run 2: Statistics of SCReAM

Start at: 2017-11-21 03:02:40
End at: 2017-11-21 03:03:10
Local clock offset: -0.061 ms
Remote clock offset: -4.753 ms

Below is generated by plot.py at 2017-11-21 06:20:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 82.945 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 82.945 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

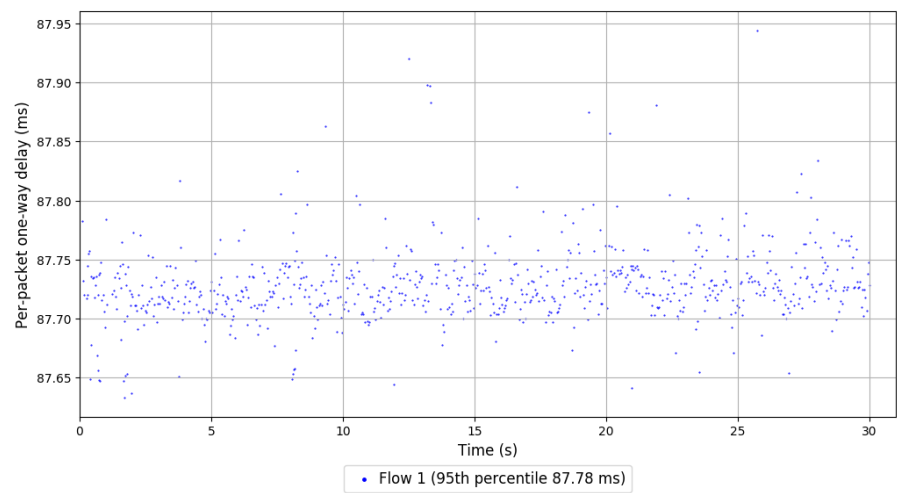
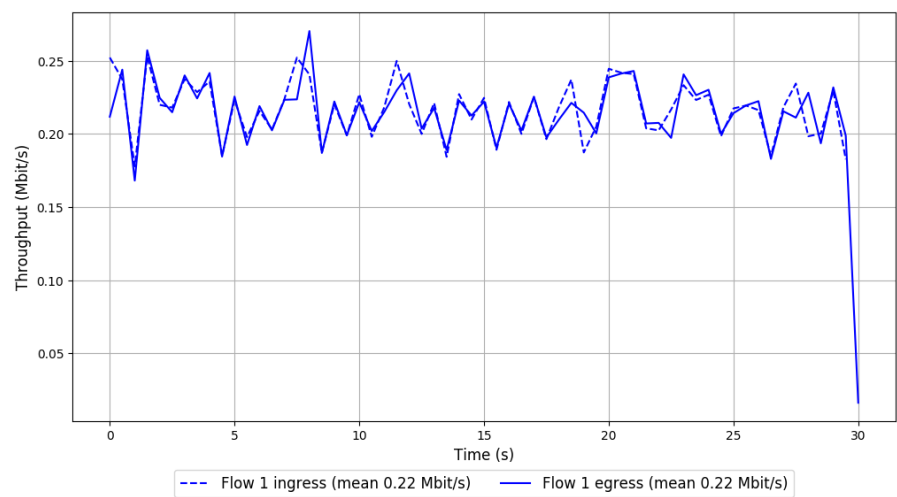


Run 3: Statistics of SCReAM

Start at: 2017-11-21 03:20:40
End at: 2017-11-21 03:21:10
Local clock offset: -0.02 ms
Remote clock offset: -0.686 ms

Below is generated by plot.py at 2017-11-21 06:20:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.780 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.780 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

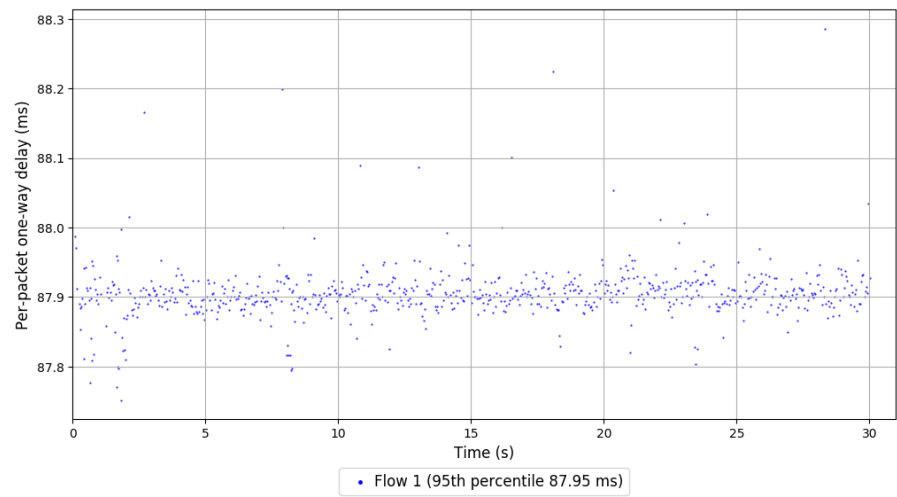
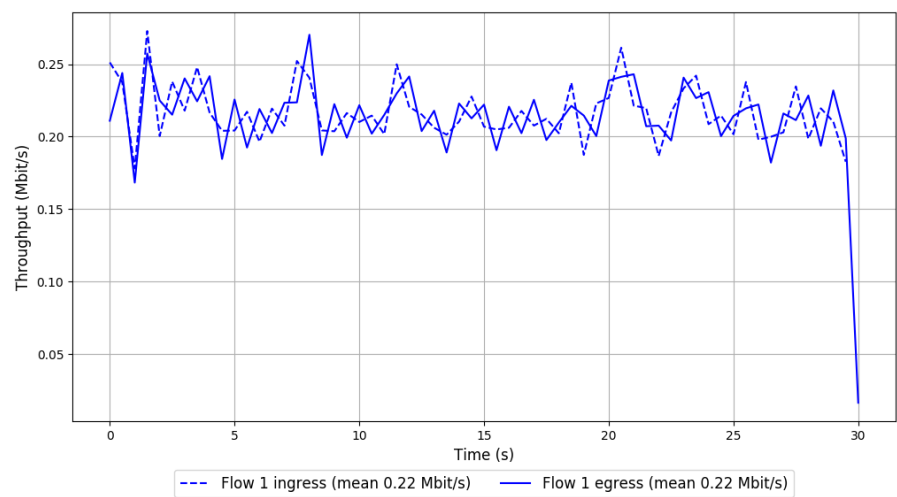


Run 4: Statistics of SCReAM

Start at: 2017-11-21 03:38:34
End at: 2017-11-21 03:39:04
Local clock offset: -0.07 ms
Remote clock offset: -1.159 ms

Below is generated by plot.py at 2017-11-21 06:20:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.950 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.950 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

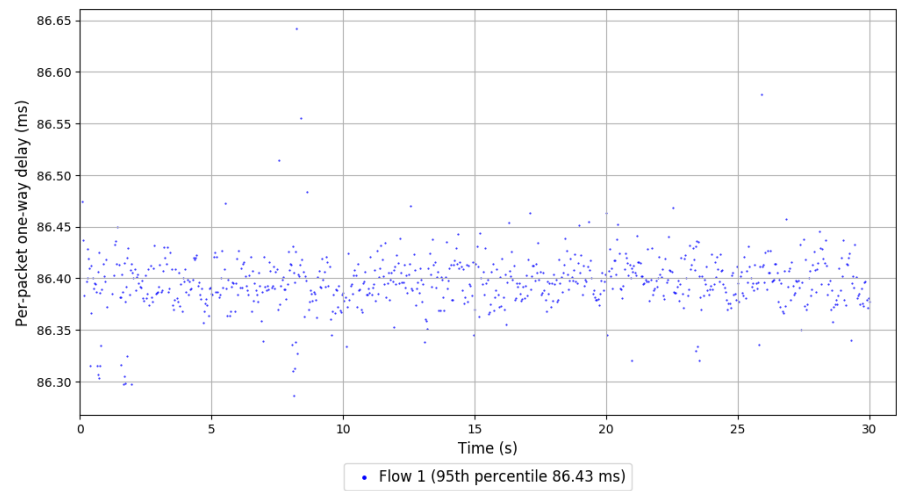
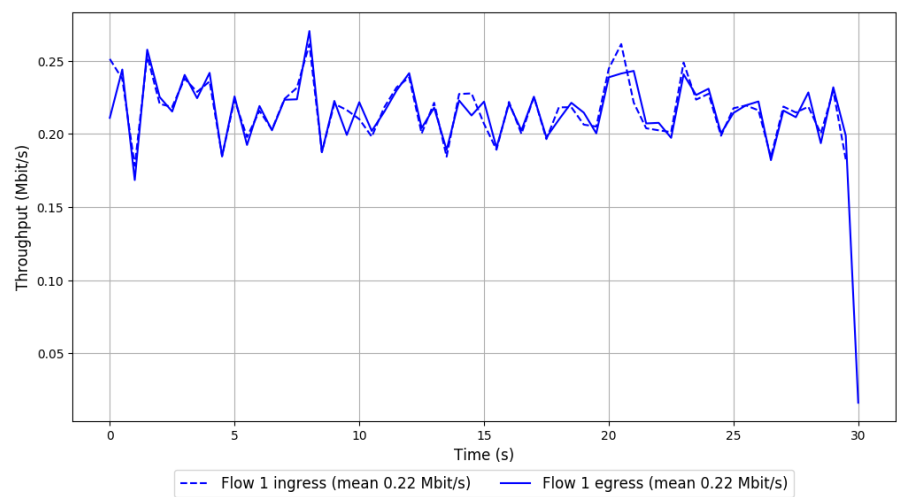


Run 5: Statistics of SCReAM

Start at: 2017-11-21 03:56:18
End at: 2017-11-21 03:56:48
Local clock offset: -0.039 ms
Remote clock offset: -1.601 ms

Below is generated by plot.py at 2017-11-21 06:20:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.433 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.433 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

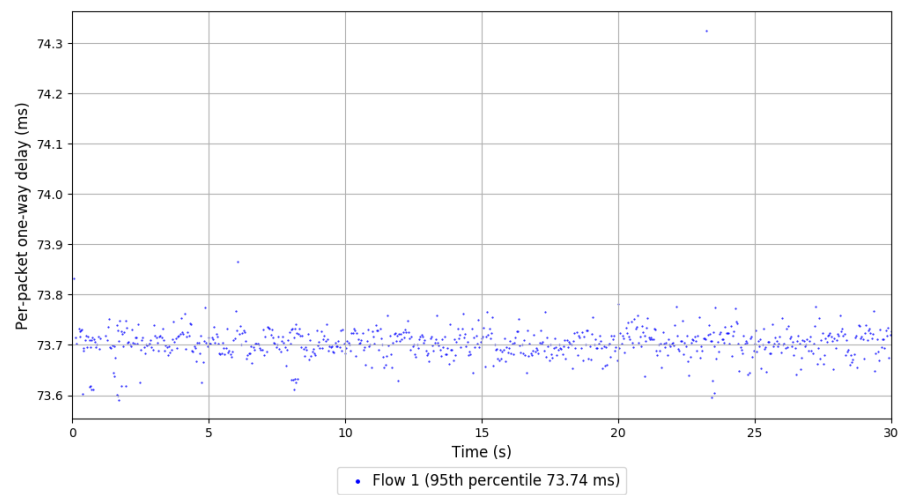
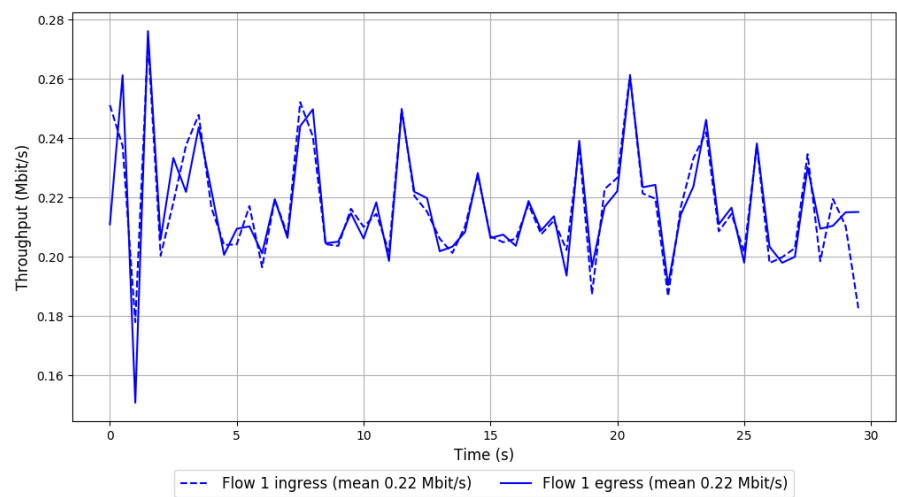


Run 6: Statistics of SCReAM

Start at: 2017-11-21 04:14:09
End at: 2017-11-21 04:14:39
Local clock offset: 0.033 ms
Remote clock offset: -15.997 ms

Below is generated by plot.py at 2017-11-21 06:20:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 73.743 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 73.743 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

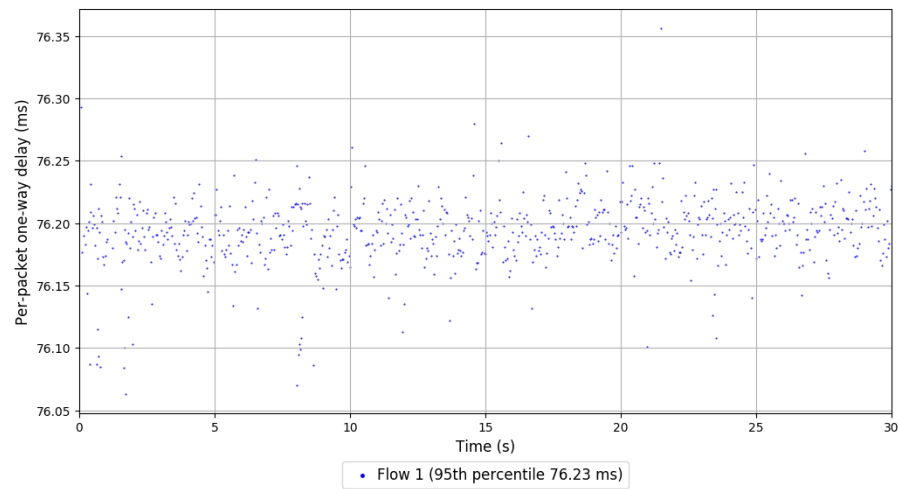
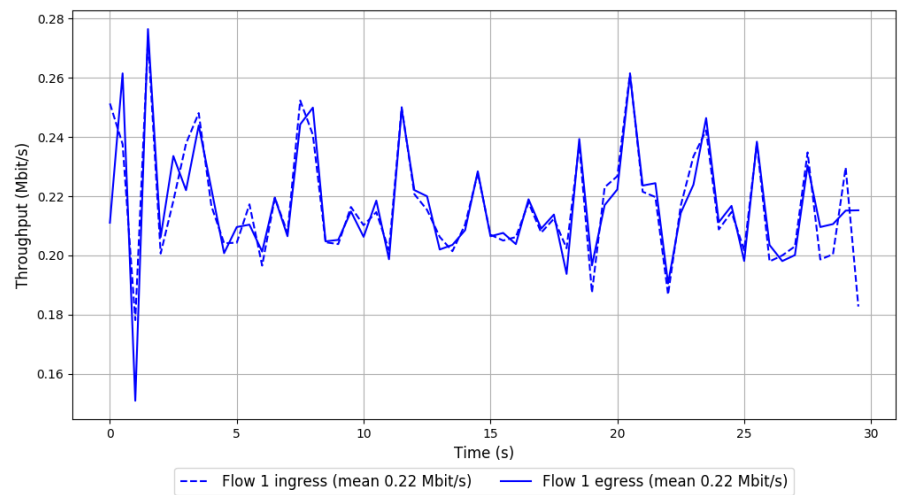


Run 7: Statistics of SCReAM

Start at: 2017-11-21 04:32:24
End at: 2017-11-21 04:32:54
Local clock offset: 0.103 ms
Remote clock offset: -11.582 ms

Below is generated by plot.py at 2017-11-21 06:20:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 76.231 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 76.231 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

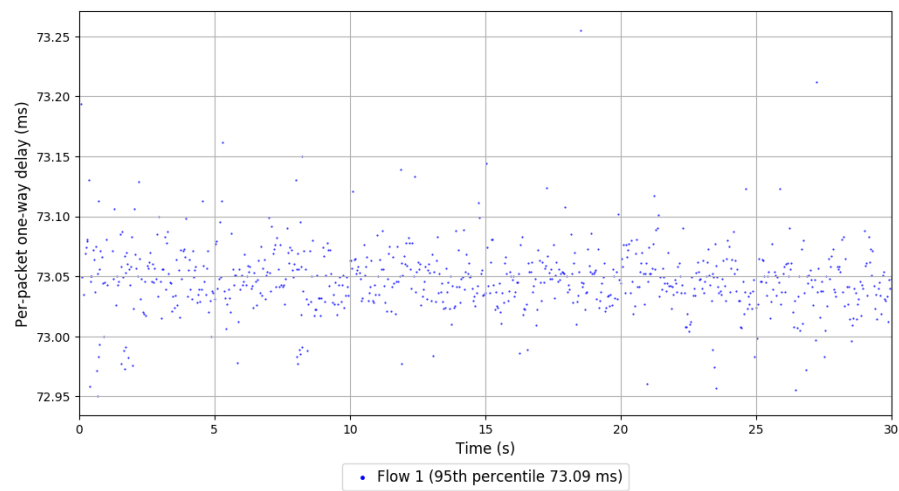
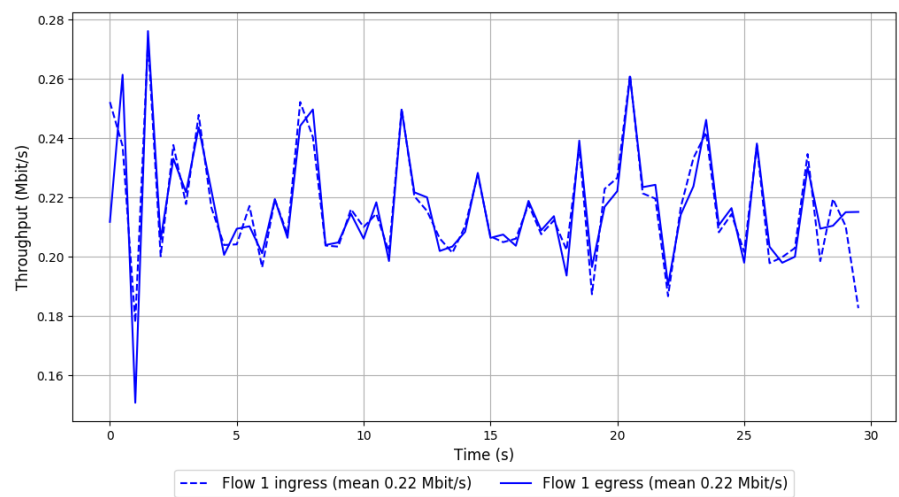


Run 8: Statistics of SCReAM

Start at: 2017-11-21 04:50:35
End at: 2017-11-21 04:51:05
Local clock offset: -0.021 ms
Remote clock offset: -16.361 ms

Below is generated by plot.py at 2017-11-21 06:20:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 73.088 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 73.088 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

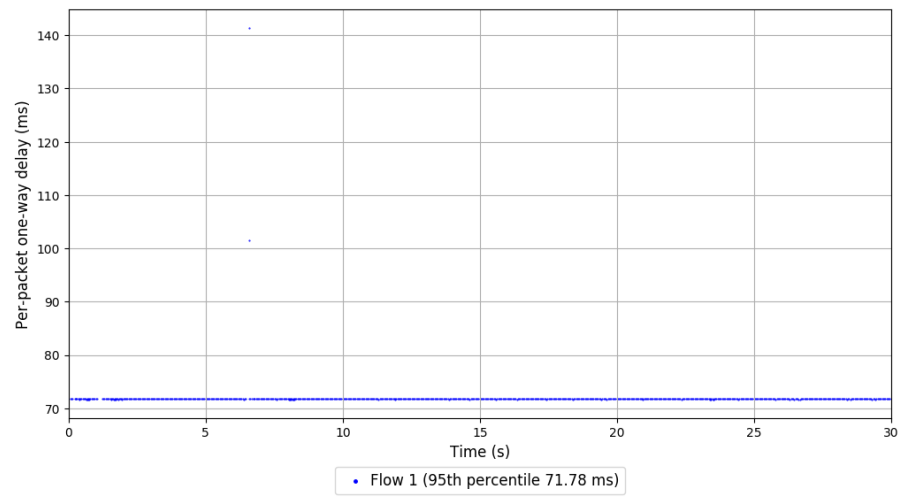
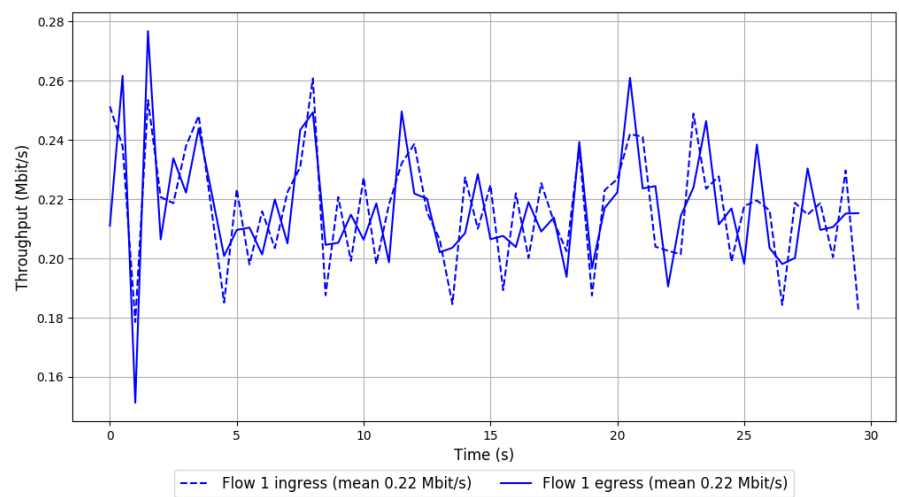


Run 9: Statistics of SCReAM

Start at: 2017-11-21 05:08:51
End at: 2017-11-21 05:09:21
Local clock offset: 0.02 ms
Remote clock offset: -16.033 ms

Below is generated by plot.py at 2017-11-21 06:20:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 71.780 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 71.780 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

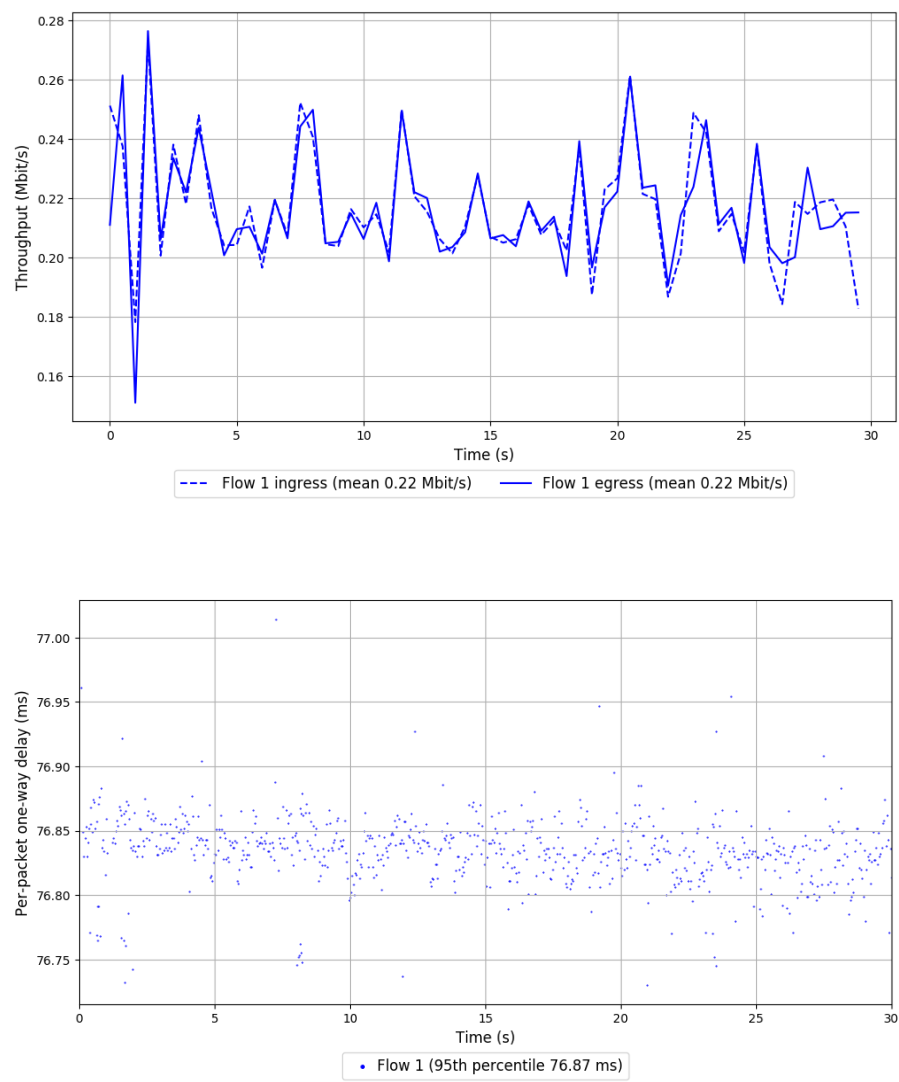


Run 10: Statistics of SReAM

Start at: 2017-11-21 05:27:01
End at: 2017-11-21 05:27:31
Local clock offset: 0.028 ms
Remote clock offset: -10.565 ms

Below is generated by plot.py at 2017-11-21 06:20:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 76.869 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 76.869 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of WebRTC media

Start at: 2017-11-21 02:30:53

End at: 2017-11-21 02:31:24

Local clock offset: -0.169 ms

Remote clock offset: 1.517 ms

Below is generated by plot.py at 2017-11-21 06:20:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 86.554 ms

Loss rate: 0.00%

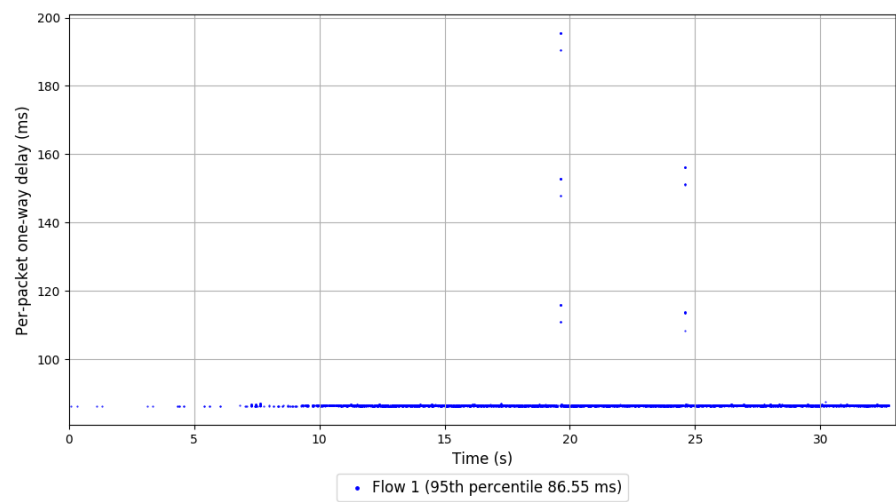
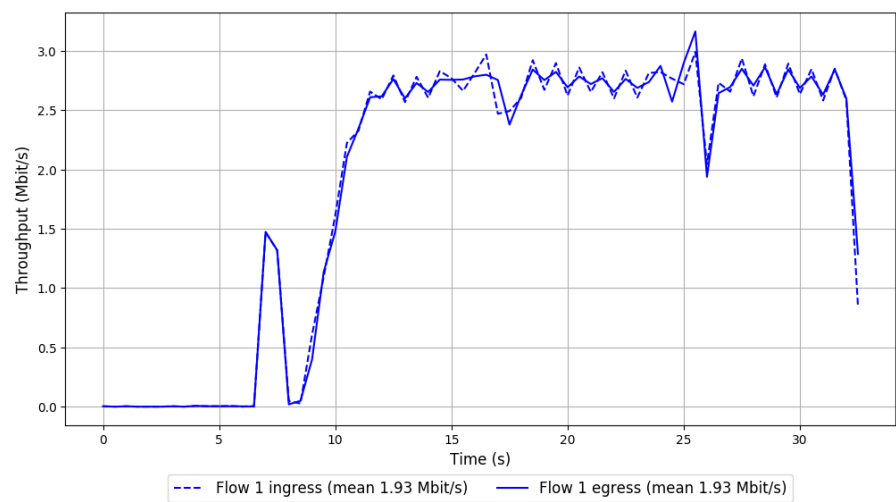
-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 86.554 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

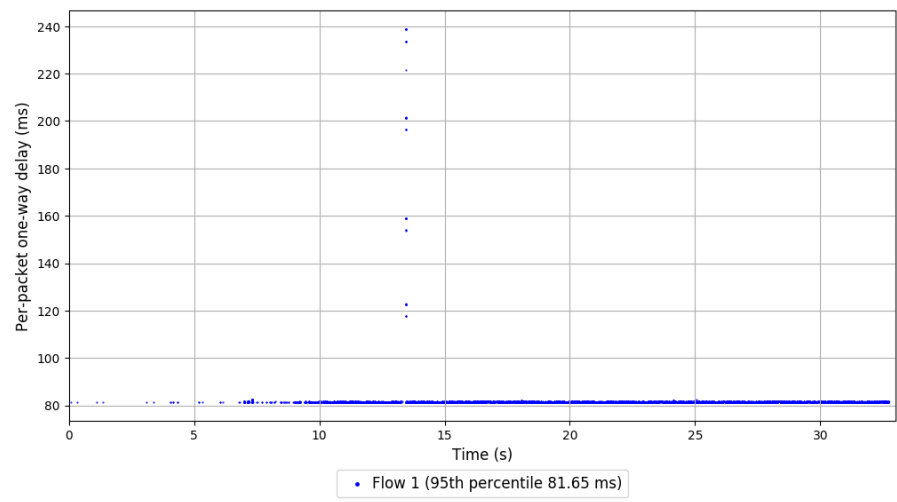
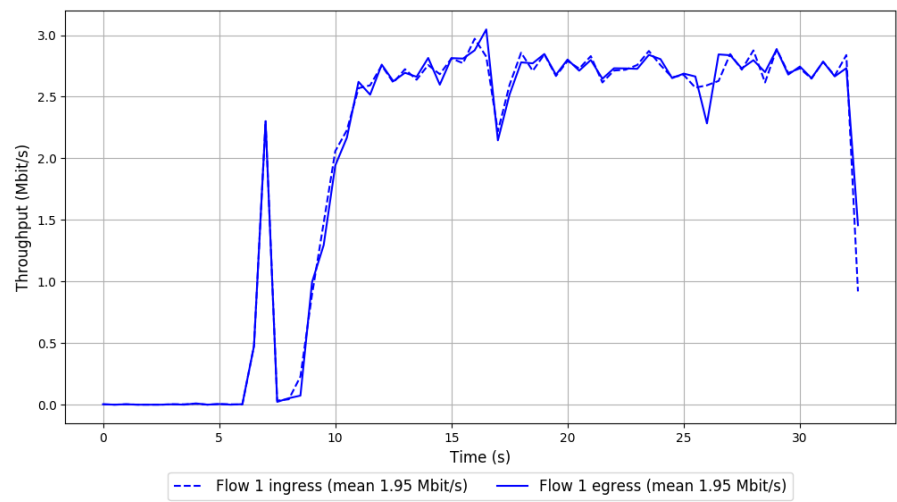


Run 2: Statistics of WebRTC media

Start at: 2017-11-21 02:48:43
End at: 2017-11-21 02:49:13
Local clock offset: -0.094 ms
Remote clock offset: -4.077 ms

Below is generated by plot.py at 2017-11-21 06:20:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 81.651 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 81.651 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

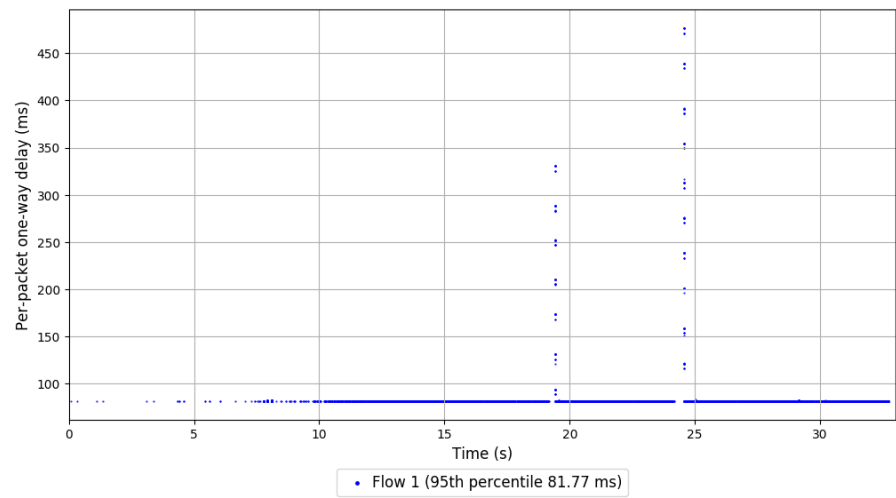
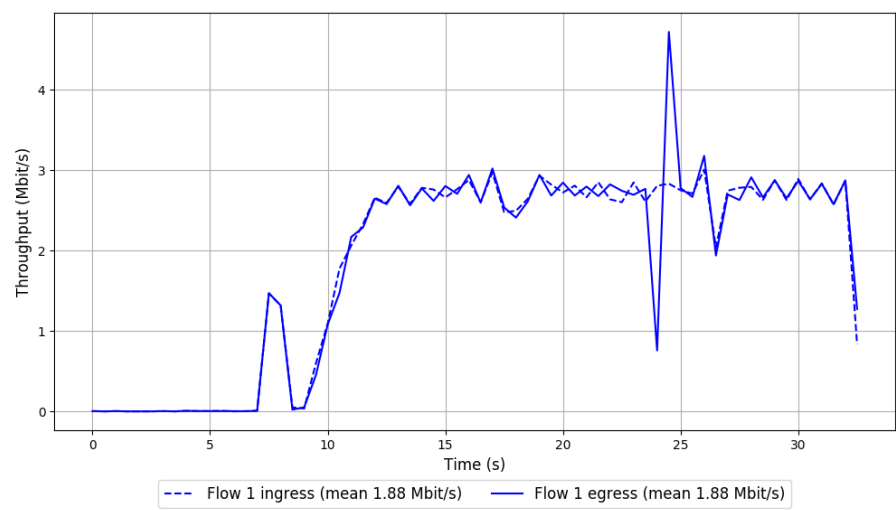


Run 3: Statistics of WebRTC media

Start at: 2017-11-21 03:06:42
End at: 2017-11-21 03:07:12
Local clock offset: -0.043 ms
Remote clock offset: -5.034 ms

Below is generated by plot.py at 2017-11-21 06:20:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 81.773 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 81.773 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

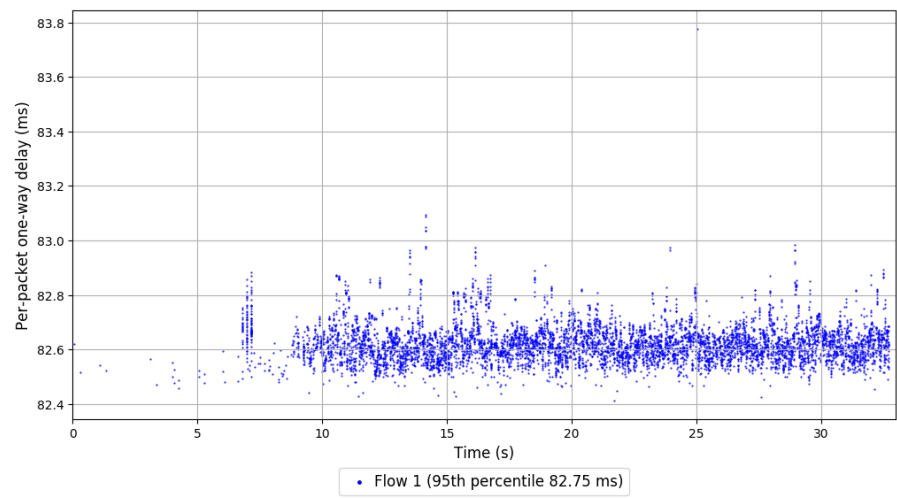
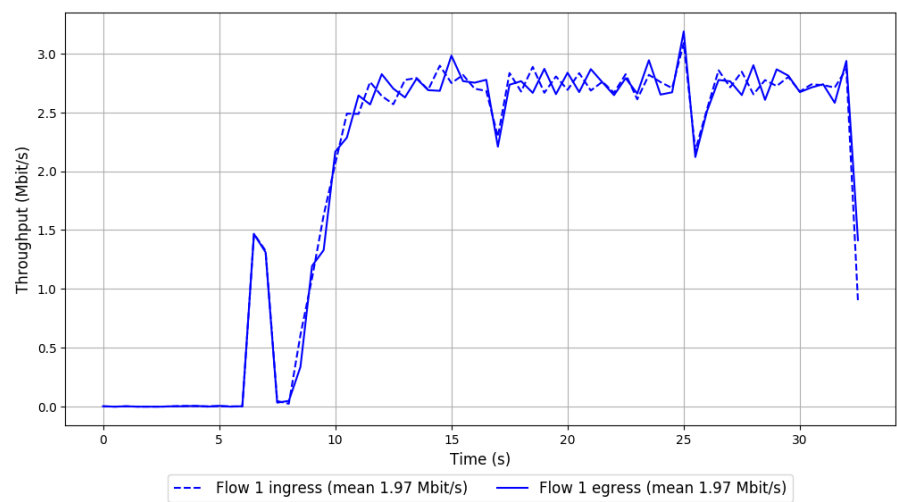


Run 4: Statistics of WebRTC media

Start at: 2017-11-21 03:24:47
End at: 2017-11-21 03:25:17
Local clock offset: -0.048 ms
Remote clock offset: -5.866 ms

Below is generated by plot.py at 2017-11-21 06:20:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 82.753 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 82.753 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

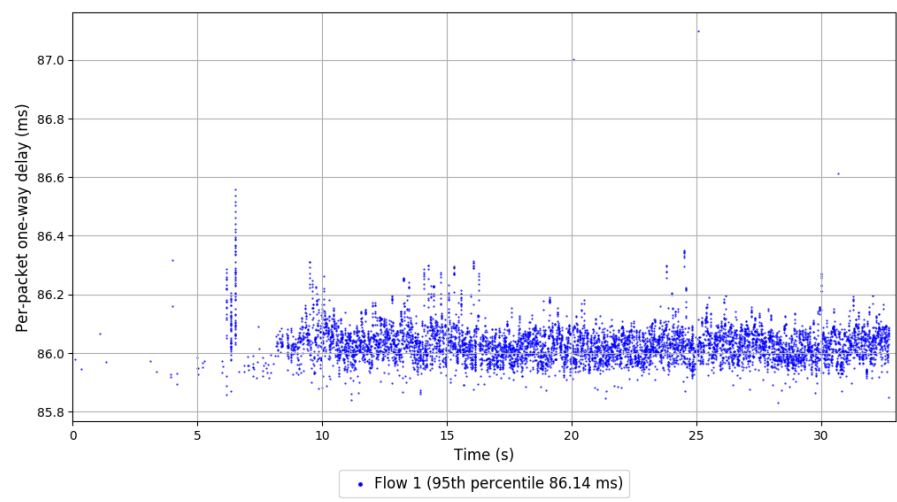
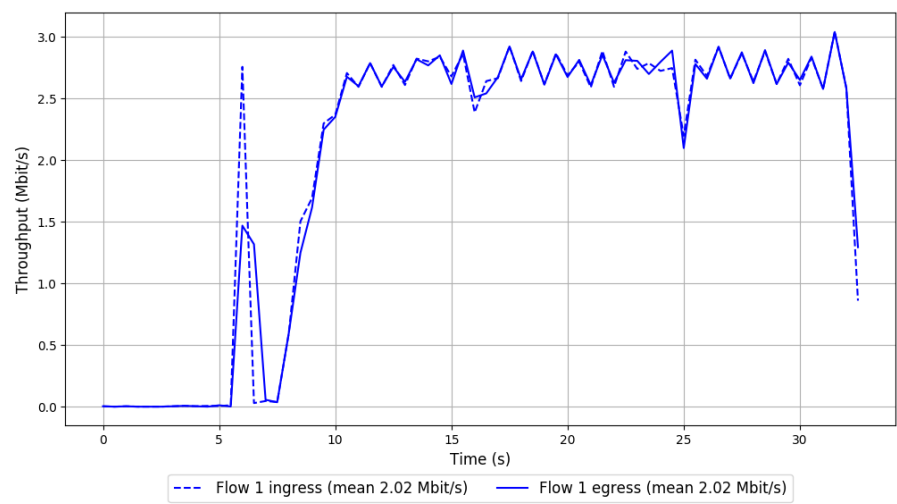


Run 5: Statistics of WebRTC media

Start at: 2017-11-21 03:42:38
End at: 2017-11-21 03:43:08
Local clock offset: 0.014 ms
Remote clock offset: -1.074 ms

Below is generated by plot.py at 2017-11-21 06:20:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 86.137 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 86.137 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

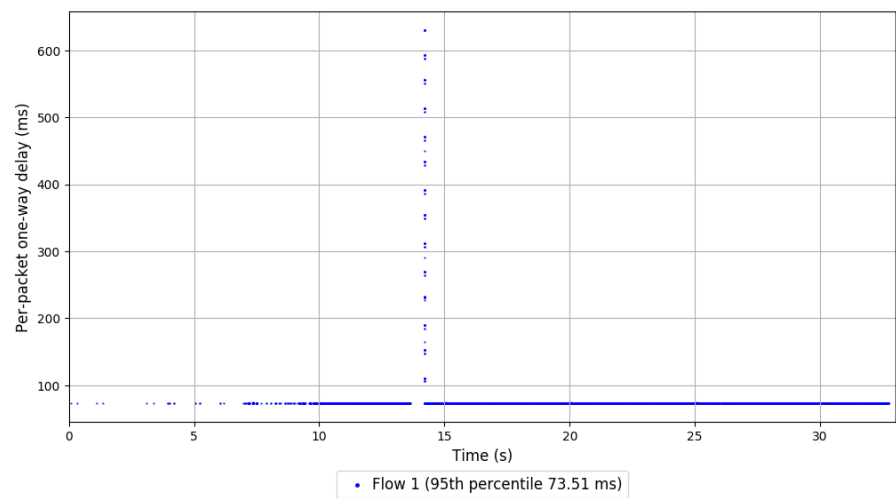
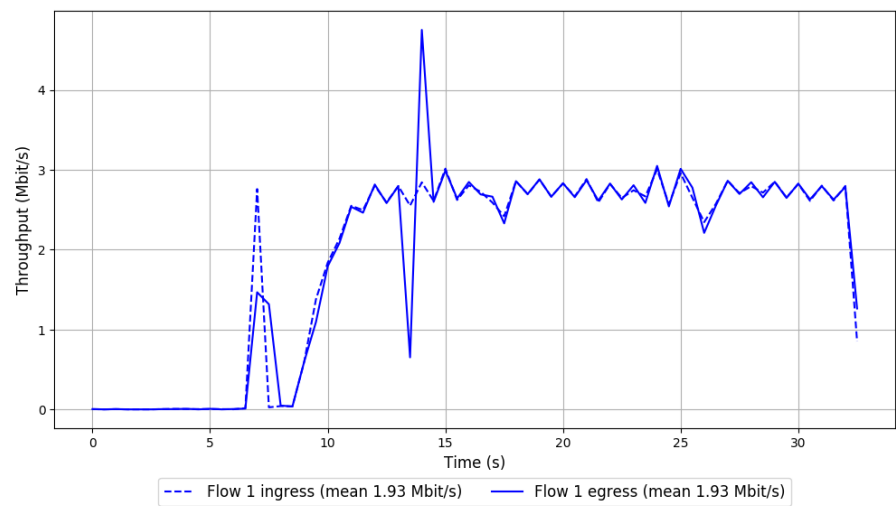


Run 6: Statistics of WebRTC media

Start at: 2017-11-21 04:00:25
End at: 2017-11-21 04:00:55
Local clock offset: -0.045 ms
Remote clock offset: -16.059 ms

Below is generated by plot.py at 2017-11-21 06:20:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 73.511 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 73.511 ms
Loss rate: 0.01%

Run 6: Report of WebRTC media — Data Link

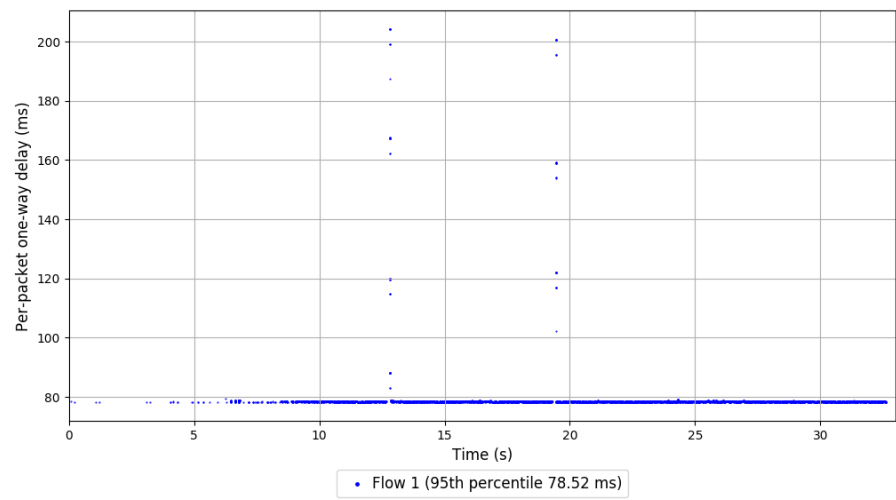
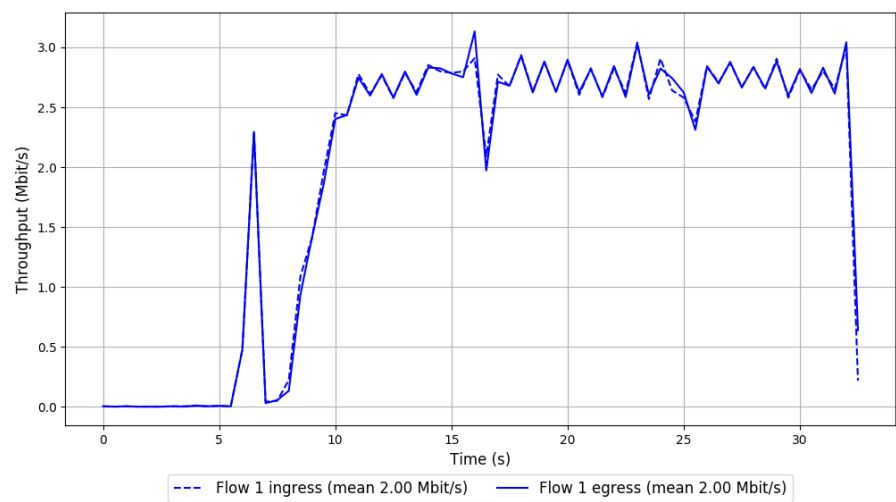


Run 7: Statistics of WebRTC media

Start at: 2017-11-21 04:18:17
End at: 2017-11-21 04:18:47
Local clock offset: 0.074 ms
Remote clock offset: -11.302 ms

Below is generated by plot.py at 2017-11-21 06:20:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 78.522 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 78.522 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

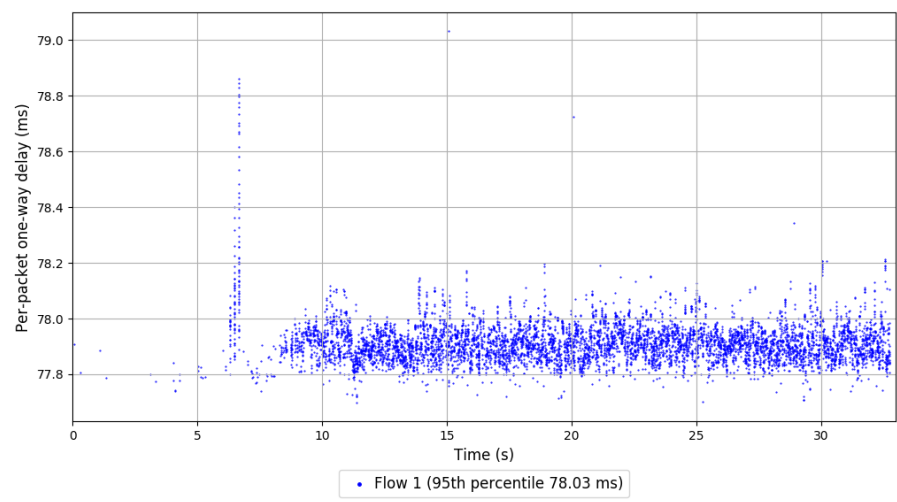
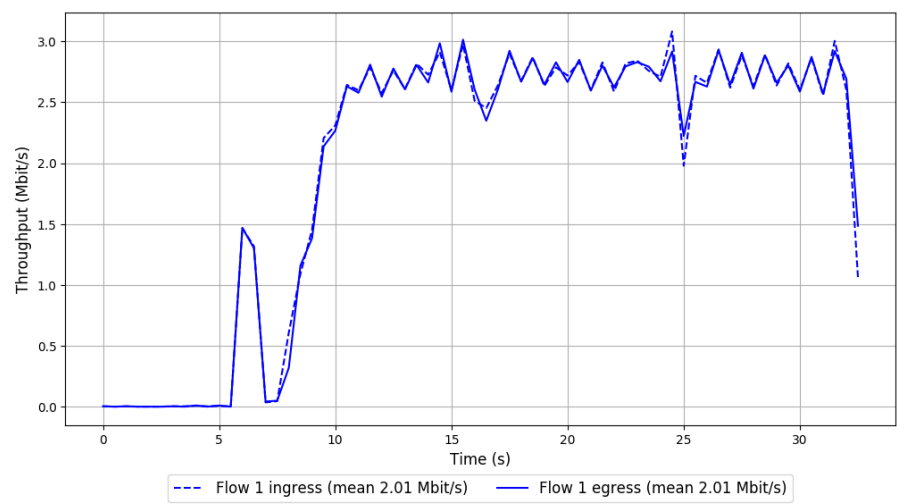


Run 8: Statistics of WebRTC media

Start at: 2017-11-21 04:36:27
End at: 2017-11-21 04:36:57
Local clock offset: 0.052 ms
Remote clock offset: -11.774 ms

Below is generated by plot.py at 2017-11-21 06:20:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 78.026 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 78.026 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

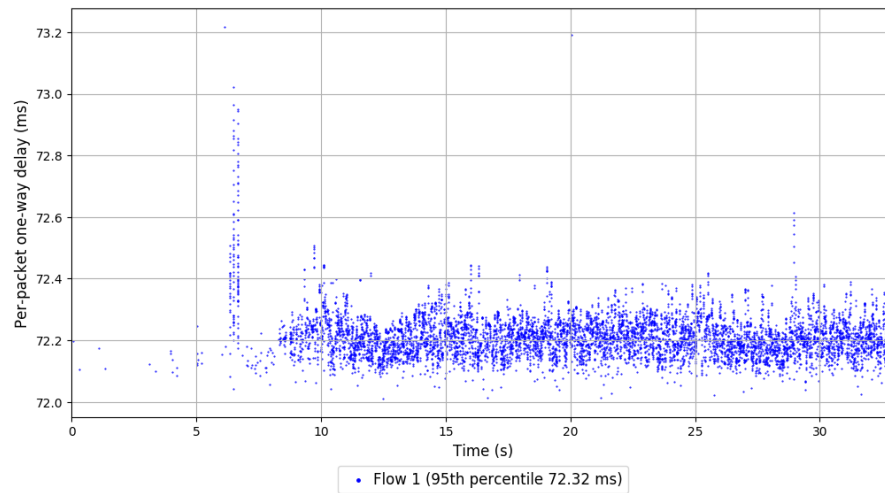
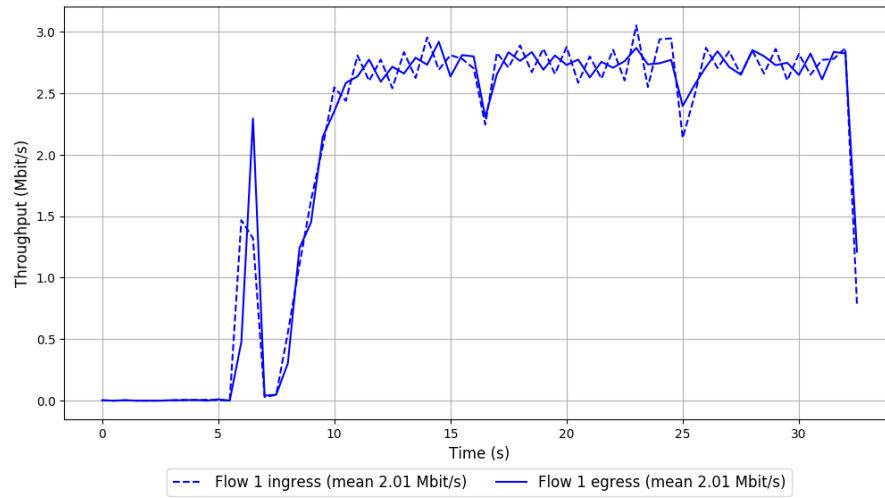


Run 9: Statistics of WebRTC media

Start at: 2017-11-21 04:54:41
End at: 2017-11-21 04:55:11
Local clock offset: -0.018 ms
Remote clock offset: -16.139 ms

Below is generated by plot.py at 2017-11-21 06:20:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 72.323 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 72.323 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

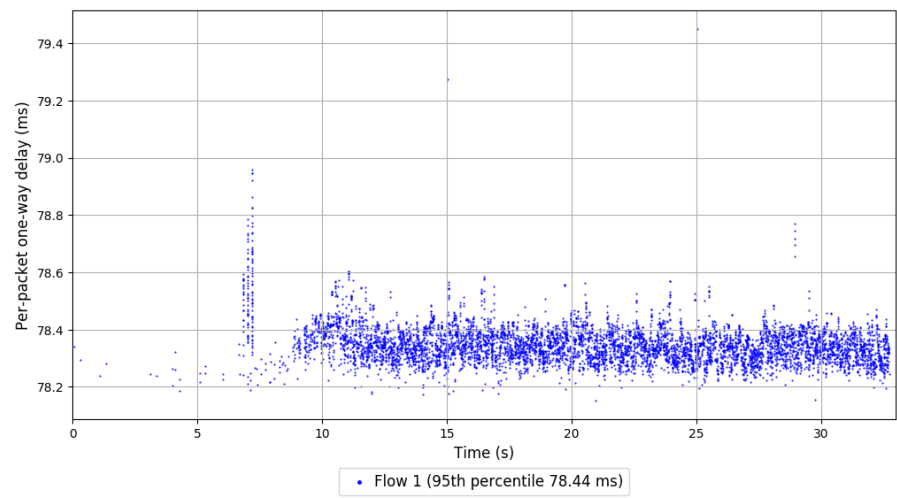
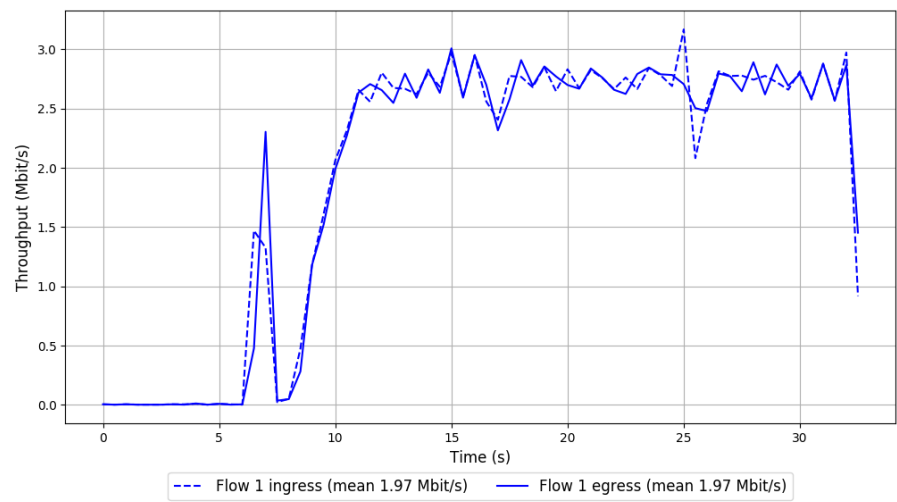


Run 10: Statistics of WebRTC media

Start at: 2017-11-21 05:13:04
End at: 2017-11-21 05:13:34
Local clock offset: -0.022 ms
Remote clock offset: -10.887 ms

Below is generated by plot.py at 2017-11-21 06:20:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 78.443 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 78.443 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2017-11-21 02:34:41

End at: 2017-11-21 02:35:11

Local clock offset: -0.119 ms

Remote clock offset: 1.412 ms

Below is generated by plot.py at 2017-11-21 06:20:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.25 Mbit/s

95th percentile per-packet one-way delay: 87.311 ms

Loss rate: 0.00%

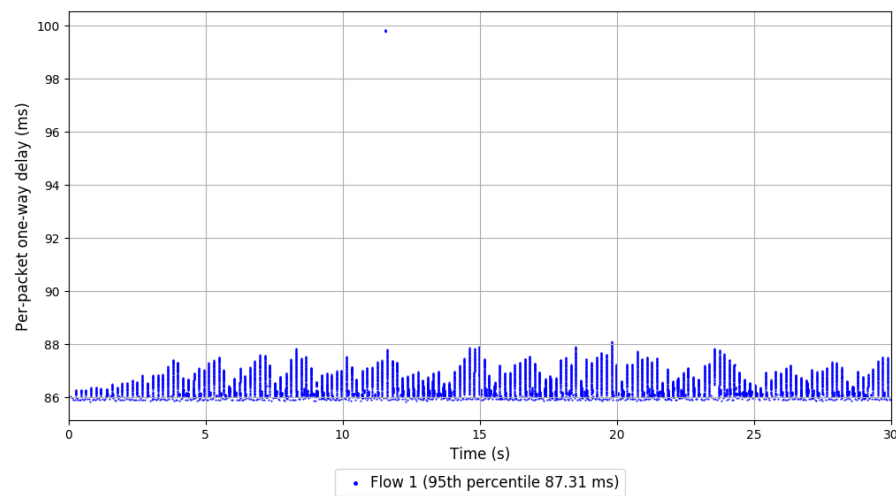
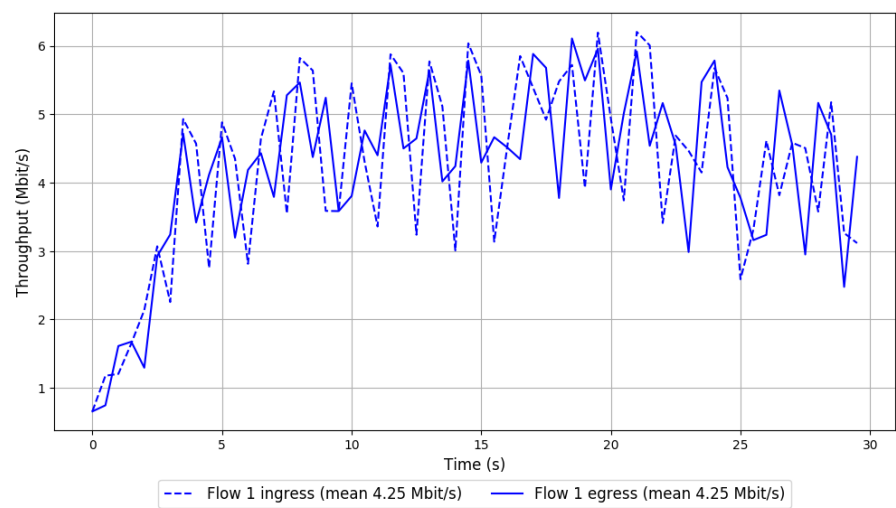
-- Flow 1:

Average throughput: 4.25 Mbit/s

95th percentile per-packet one-way delay: 87.311 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

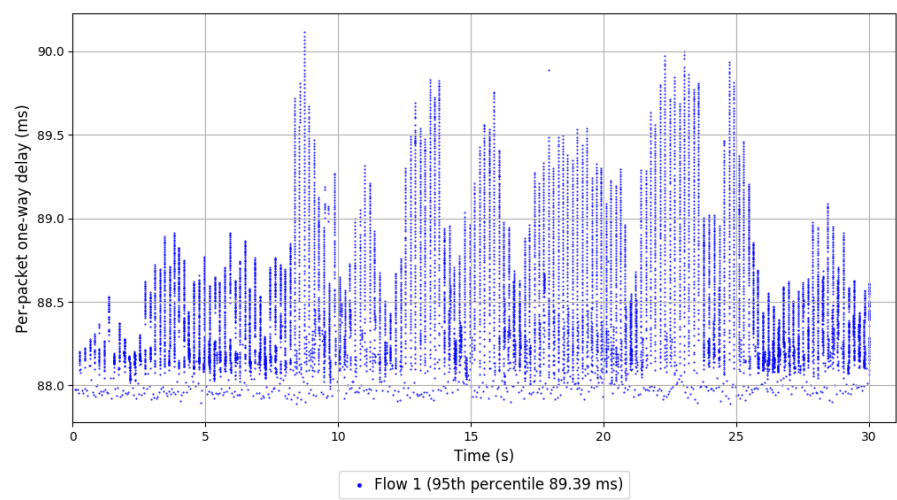
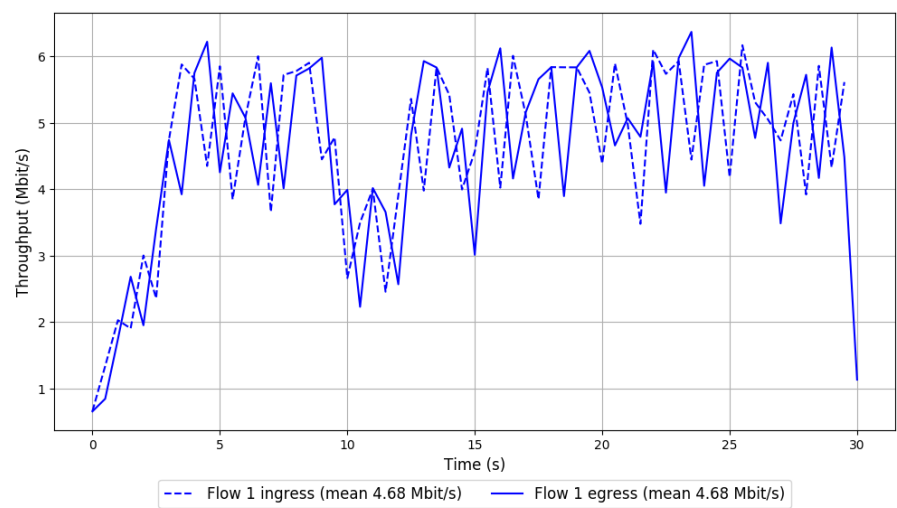


Run 2: Statistics of Sprout

Start at: 2017-11-21 02:52:30
End at: 2017-11-21 02:53:00
Local clock offset: -0.074 ms
Remote clock offset: 0.589 ms

Below is generated by plot.py at 2017-11-21 06:20:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.68 Mbit/s
95th percentile per-packet one-way delay: 89.387 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.68 Mbit/s
95th percentile per-packet one-way delay: 89.387 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

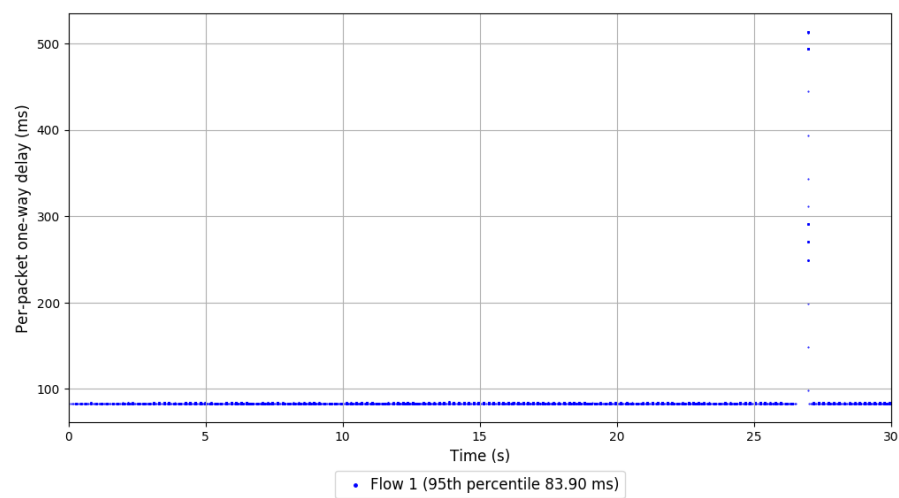
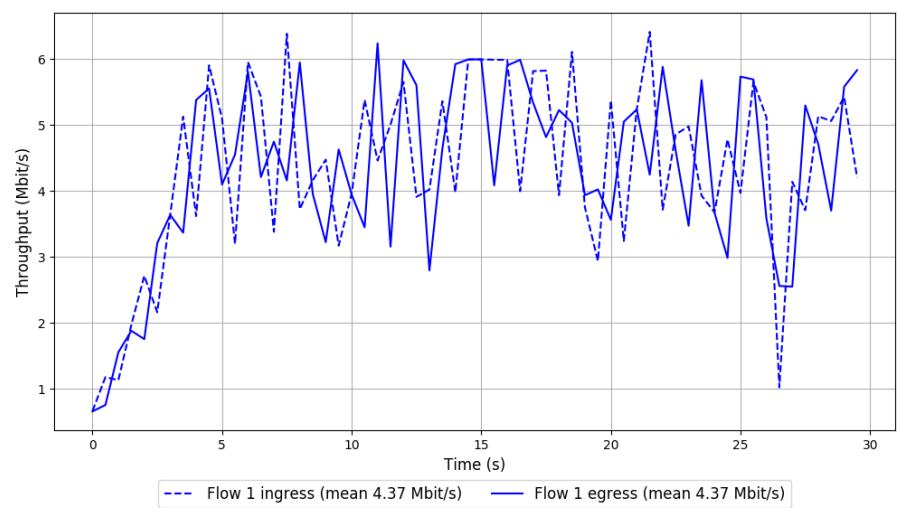


Run 3: Statistics of Sprout

Start at: 2017-11-21 03:10:32
End at: 2017-11-21 03:11:02
Local clock offset: -0.059 ms
Remote clock offset: -5.139 ms

Below is generated by plot.py at 2017-11-21 06:20:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.37 Mbit/s
95th percentile per-packet one-way delay: 83.903 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.37 Mbit/s
95th percentile per-packet one-way delay: 83.903 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

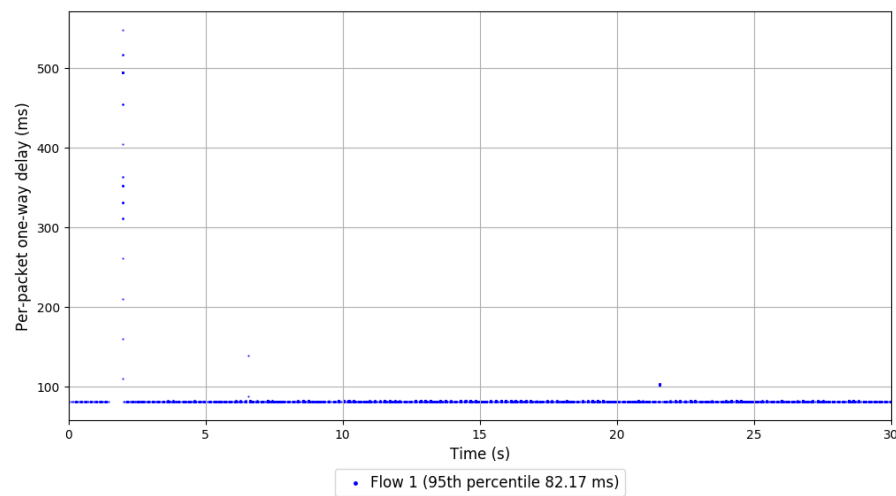
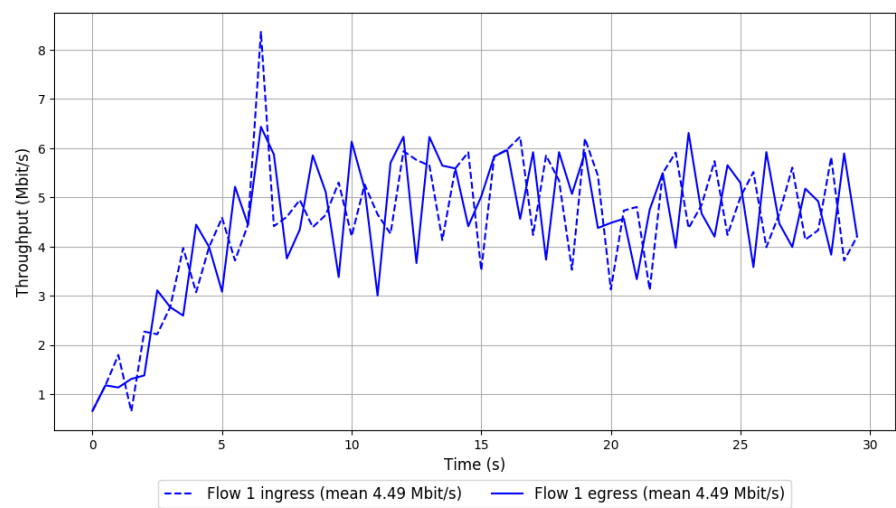


Run 4: Statistics of Sprout

Start at: 2017-11-21 03:28:34
End at: 2017-11-21 03:29:04
Local clock offset: -0.067 ms
Remote clock offset: -5.776 ms

Below is generated by plot.py at 2017-11-21 06:20:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 82.175 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 82.175 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

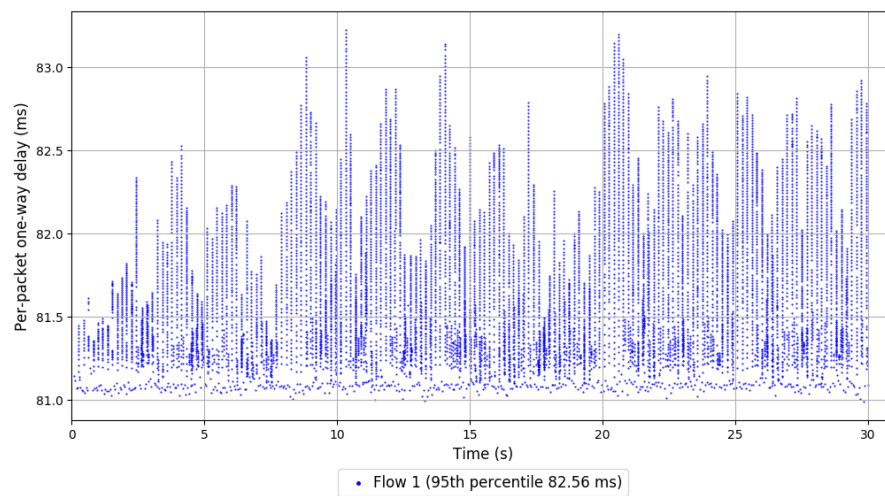
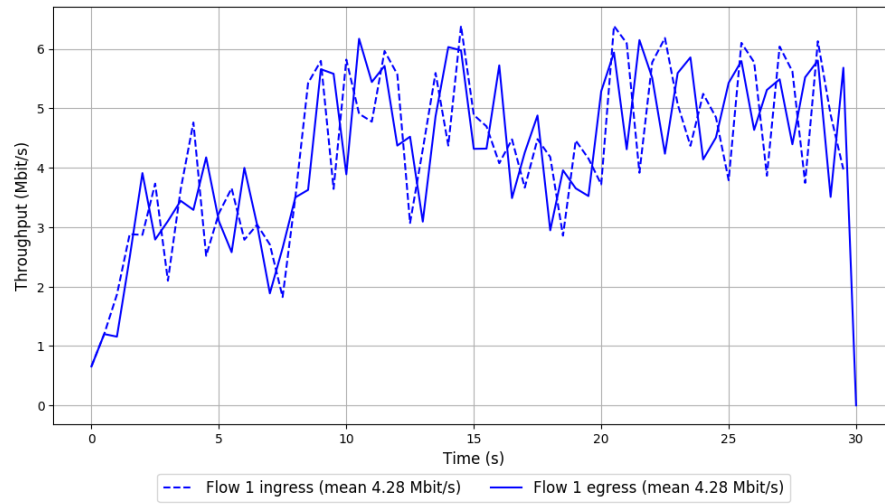


Run 5: Statistics of Sprout

Start at: 2017-11-21 03:46:23
End at: 2017-11-21 03:46:53
Local clock offset: 0.02 ms
Remote clock offset: -6.304 ms

Below is generated by plot.py at 2017-11-21 06:20:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.28 Mbit/s
95th percentile per-packet one-way delay: 82.560 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.28 Mbit/s
95th percentile per-packet one-way delay: 82.560 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

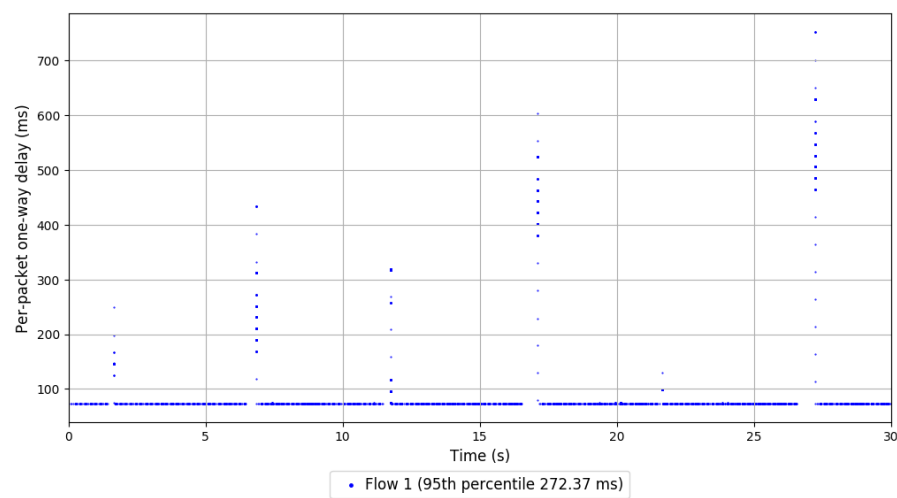
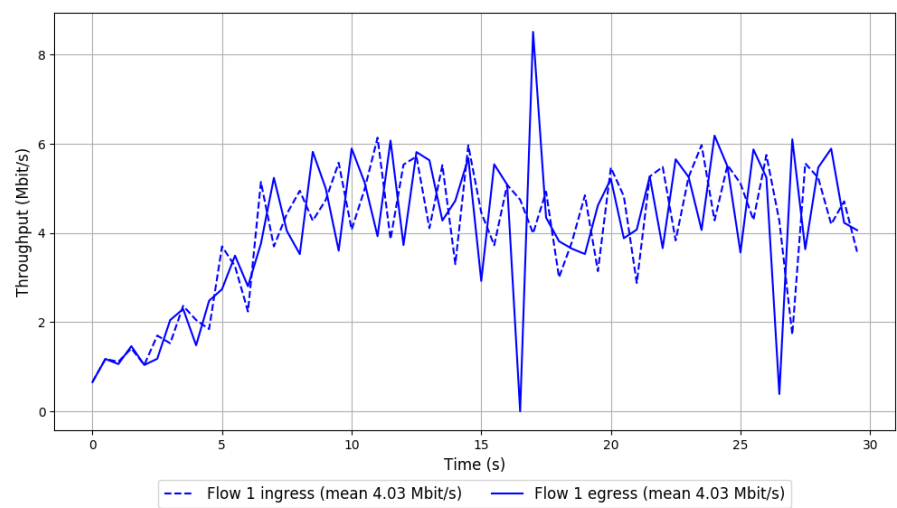


Run 6: Statistics of Sprout

Start at: 2017-11-21 04:04:10
End at: 2017-11-21 04:04:40
Local clock offset: 0.051 ms
Remote clock offset: -15.752 ms

Below is generated by plot.py at 2017-11-21 06:20:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: 272.368 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: 272.368 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

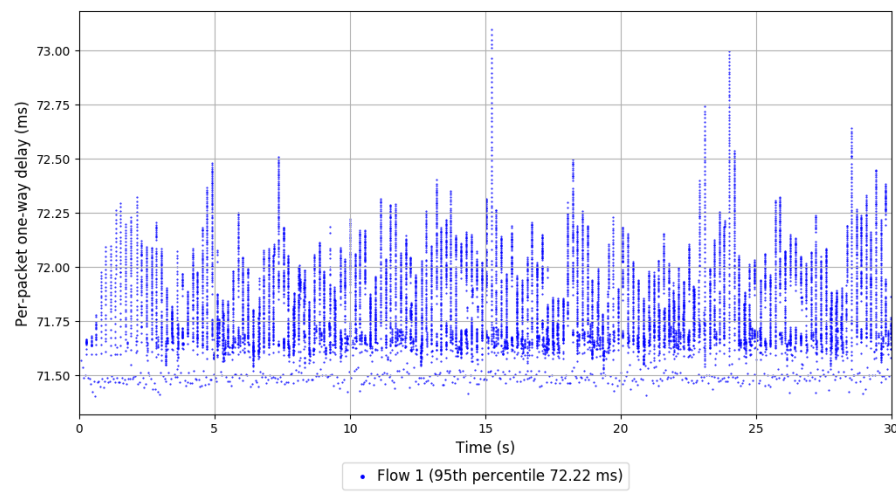
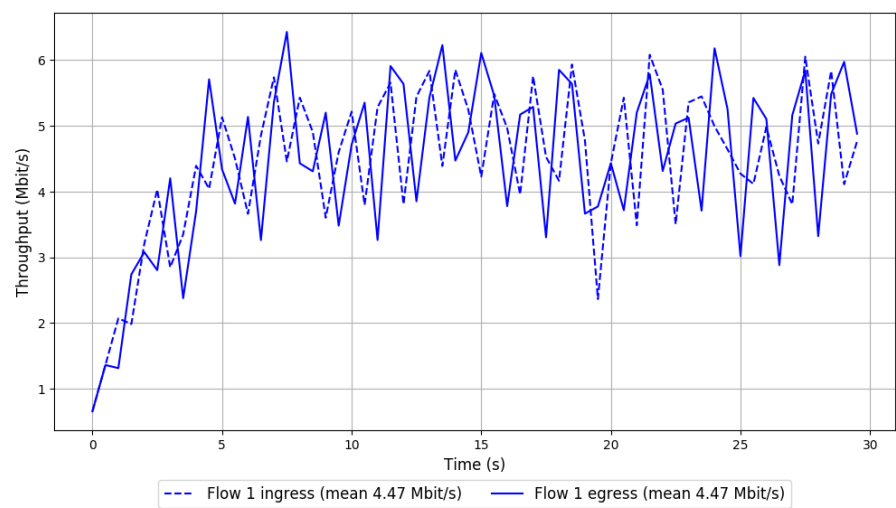


Run 7: Statistics of Sprout

Start at: 2017-11-21 04:22:07
End at: 2017-11-21 04:22:37
Local clock offset: -0.009 ms
Remote clock offset: -16.45 ms

Below is generated by plot.py at 2017-11-21 06:20:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.47 Mbit/s
95th percentile per-packet one-way delay: 72.216 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.47 Mbit/s
95th percentile per-packet one-way delay: 72.216 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

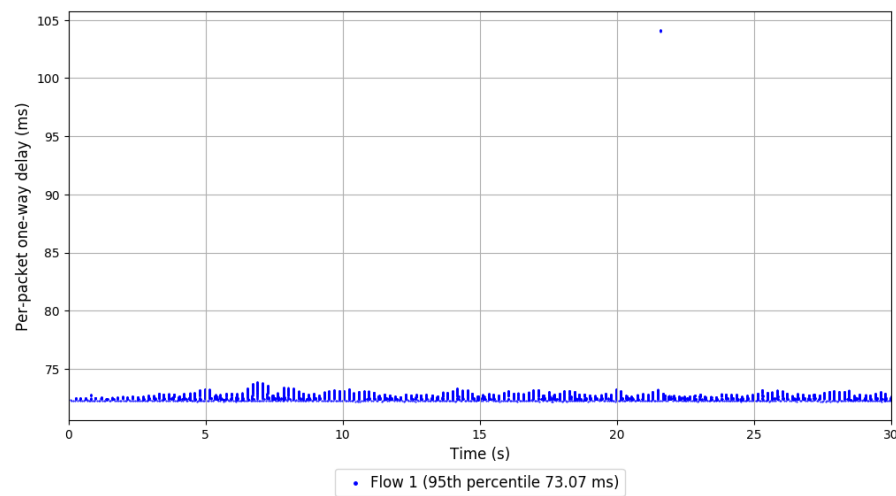
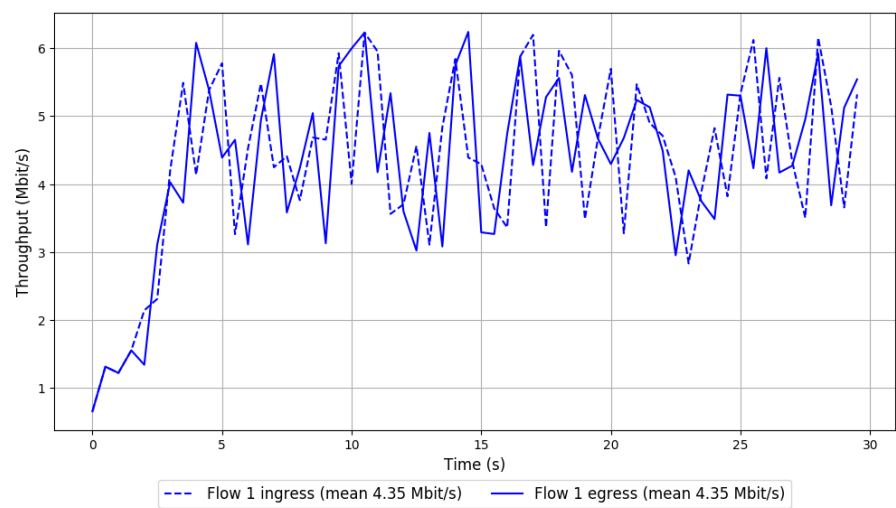


Run 8: Statistics of Sprout

Start at: 2017-11-21 04:40:18
End at: 2017-11-21 04:40:48
Local clock offset: 0.053 ms
Remote clock offset: -16.588 ms

Below is generated by plot.py at 2017-11-21 06:20:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.35 Mbit/s
95th percentile per-packet one-way delay: 73.068 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.35 Mbit/s
95th percentile per-packet one-way delay: 73.068 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

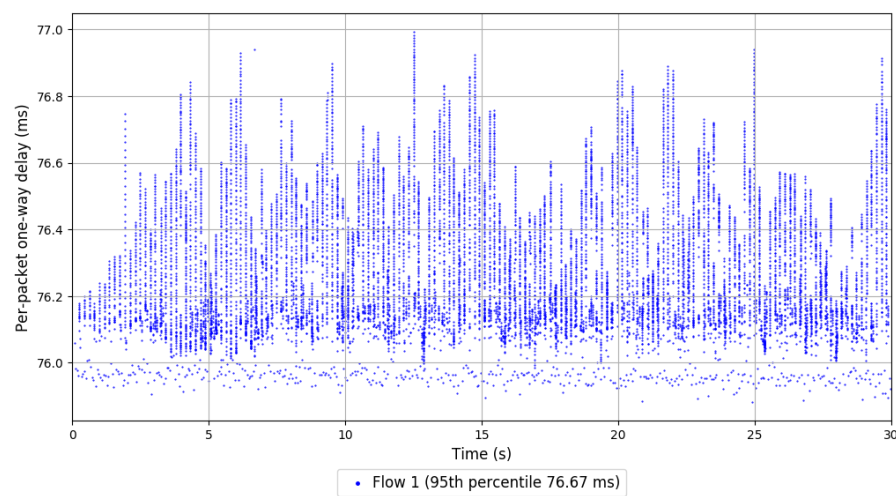
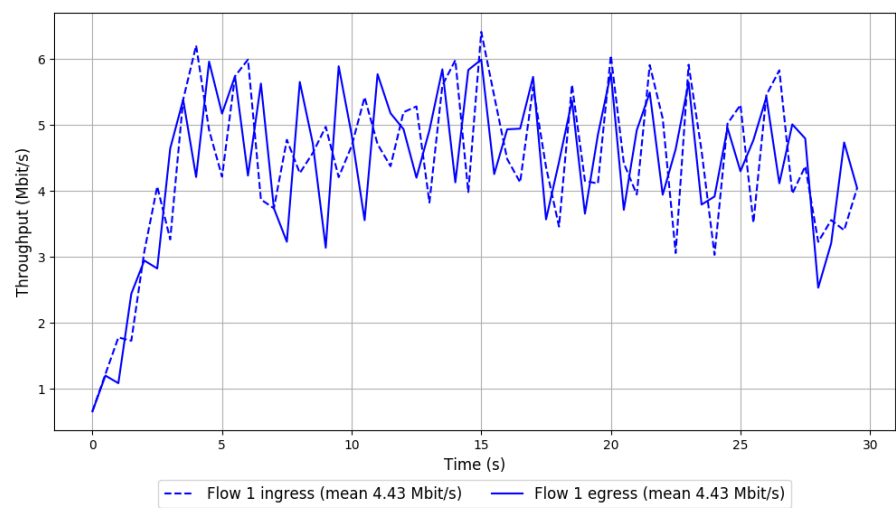


Run 9: Statistics of Sprout

Start at: 2017-11-21 04:58:39
End at: 2017-11-21 04:59:09
Local clock offset: 0.073 ms
Remote clock offset: -11.366 ms

Below is generated by plot.py at 2017-11-21 06:20:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.43 Mbit/s
95th percentile per-packet one-way delay: 76.675 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.43 Mbit/s
95th percentile per-packet one-way delay: 76.675 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2017-11-21 05:16:57

End at: 2017-11-21 05:17:27

Local clock offset: 0.035 ms

Remote clock offset: -11.0 ms

Below is generated by plot.py at 2017-11-21 06:20:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.74 Mbit/s

95th percentile per-packet one-way delay: 78.783 ms

Loss rate: 0.77%

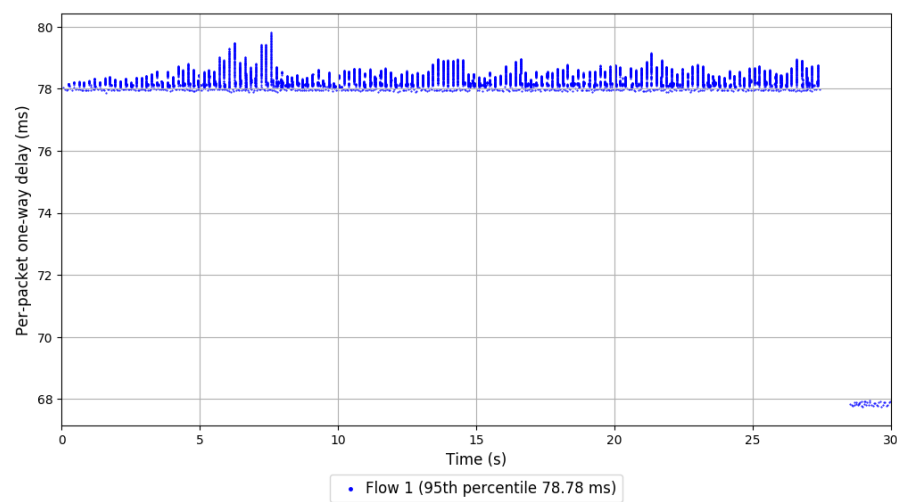
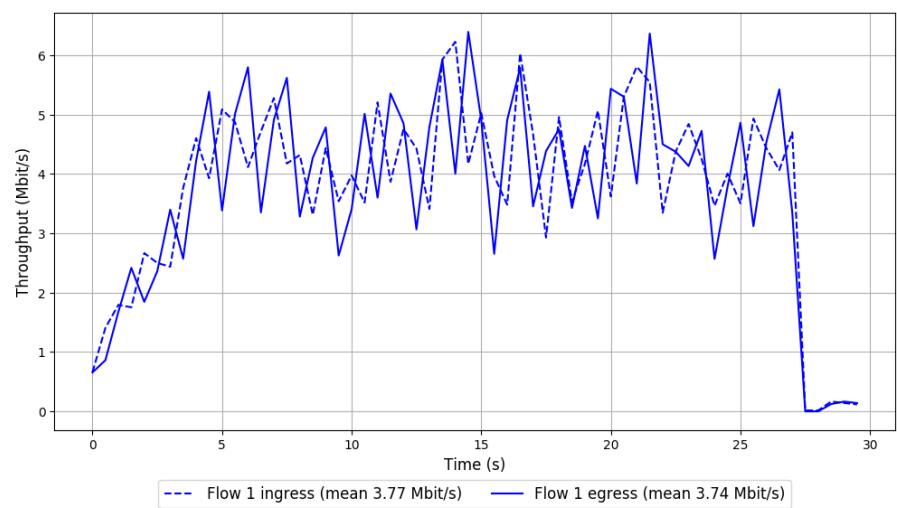
-- Flow 1:

Average throughput: 3.74 Mbit/s

95th percentile per-packet one-way delay: 78.783 ms

Loss rate: 0.77%

Run 10: Report of Sprout — Data Link

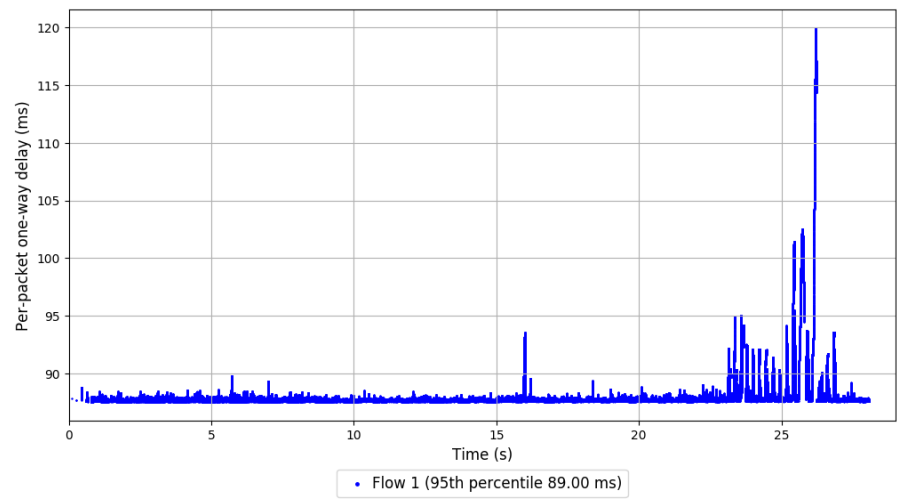
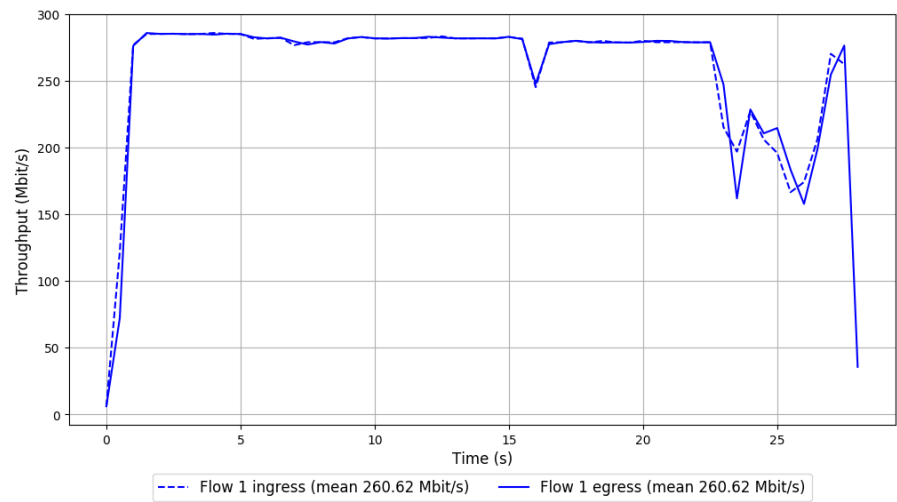


```
Run 1: Statistics of TaoVA-100x

Start at: 2017-11-21 02:29:23
End at: 2017-11-21 02:29:53
Local clock offset: -0.123 ms
Remote clock offset: 1.55 ms

# Below is generated by plot.py at 2017-11-21 06:24:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 260.62 Mbit/s
95th percentile per-packet one-way delay: 88.999 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 260.62 Mbit/s
95th percentile per-packet one-way delay: 88.999 ms
Loss rate: 0.00%
```


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

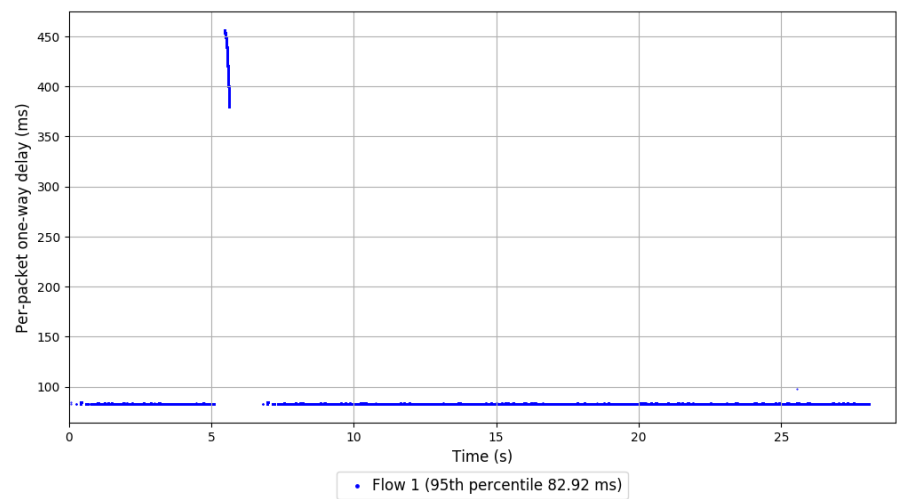
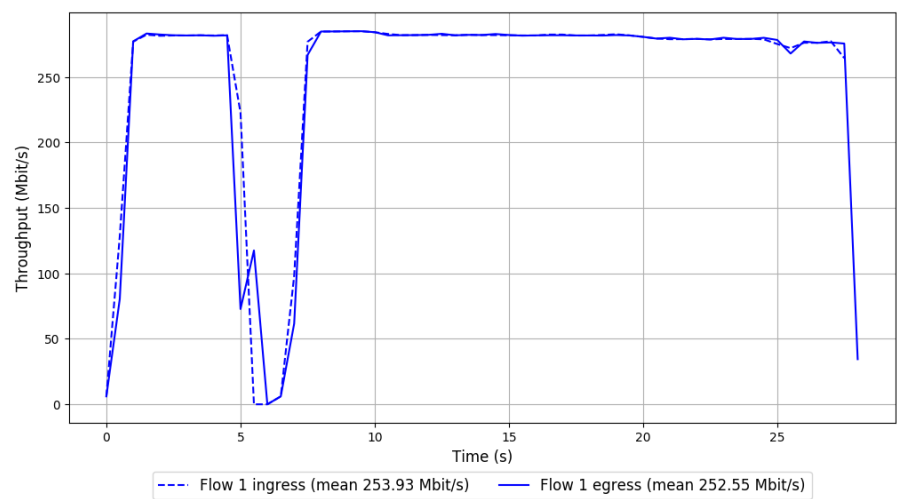


Run 2: Statistics of TaoVA-100x

Start at: 2017-11-21 02:47:11
End at: 2017-11-21 02:47:41
Local clock offset: -0.071 ms
Remote clock offset: -4.068 ms

Below is generated by plot.py at 2017-11-21 06:24:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 252.55 Mbit/s
95th percentile per-packet one-way delay: 82.916 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 252.55 Mbit/s
95th percentile per-packet one-way delay: 82.916 ms
Loss rate: 0.55%

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

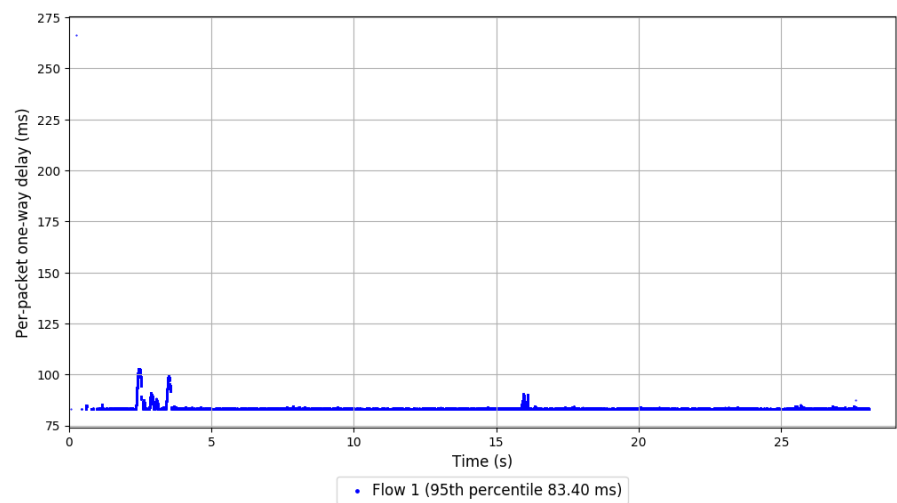
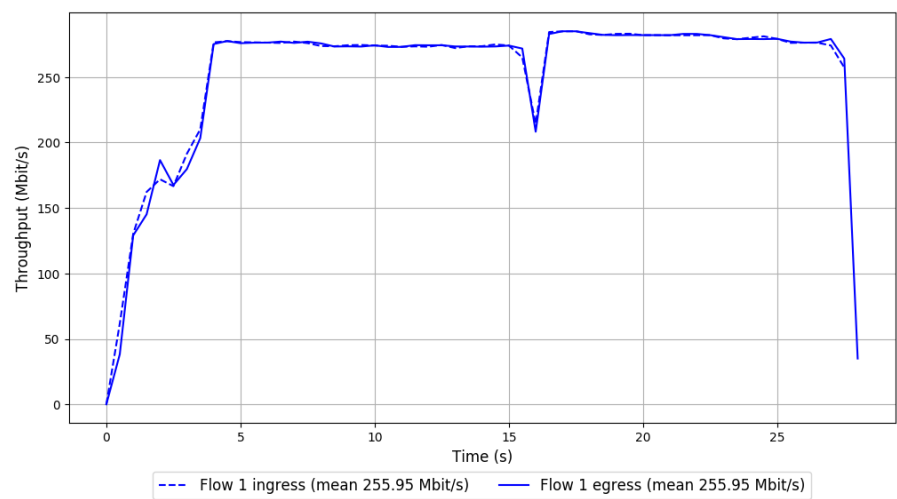


Run 3: Statistics of TaoVA-100x

Start at: 2017-11-21 03:05:10
End at: 2017-11-21 03:05:40
Local clock offset: -0.109 ms
Remote clock offset: -4.919 ms

Below is generated by plot.py at 2017-11-21 06:24:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 255.95 Mbit/s
95th percentile per-packet one-way delay: 83.396 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 255.95 Mbit/s
95th percentile per-packet one-way delay: 83.396 ms
Loss rate: 0.00%

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

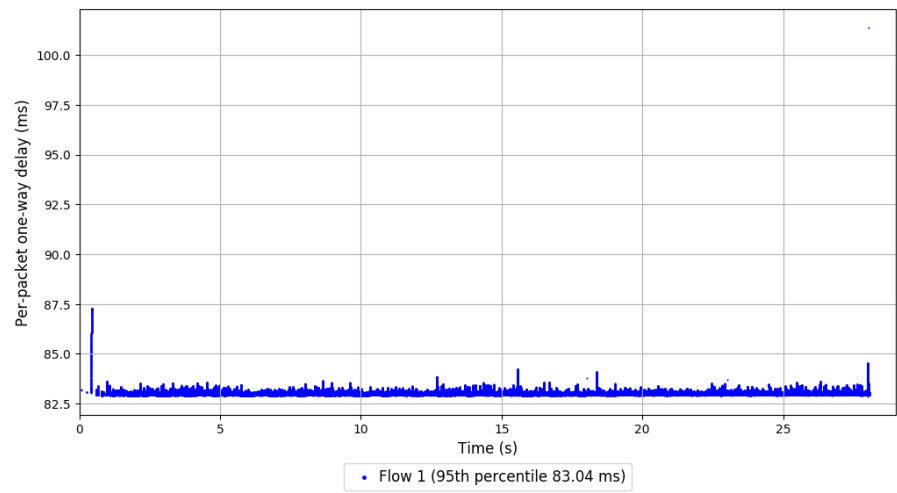
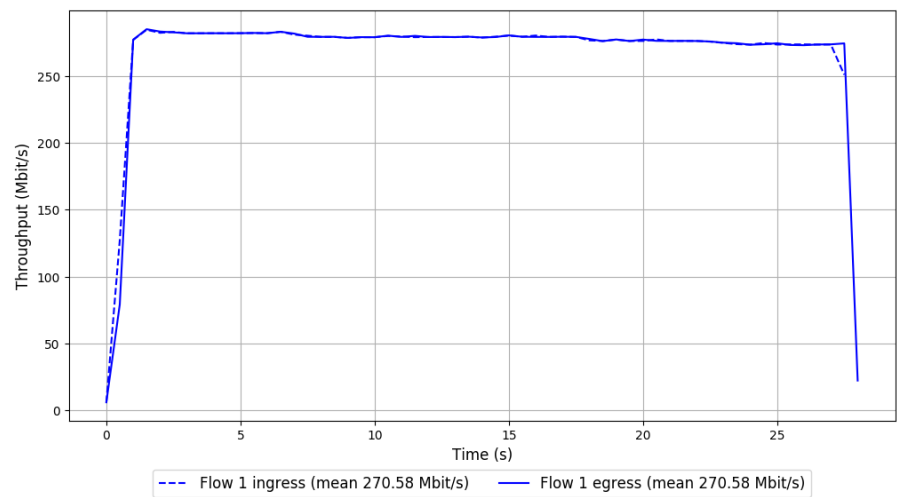


Run 4: Statistics of TaoVA-100x

Start at: 2017-11-21 03:23:13
End at: 2017-11-21 03:23:43
Local clock offset: -0.051 ms
Remote clock offset: -5.747 ms

Below is generated by plot.py at 2017-11-21 06:24:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 270.58 Mbit/s
95th percentile per-packet one-way delay: 83.042 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 270.58 Mbit/s
95th percentile per-packet one-way delay: 83.042 ms
Loss rate: 0.00%

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

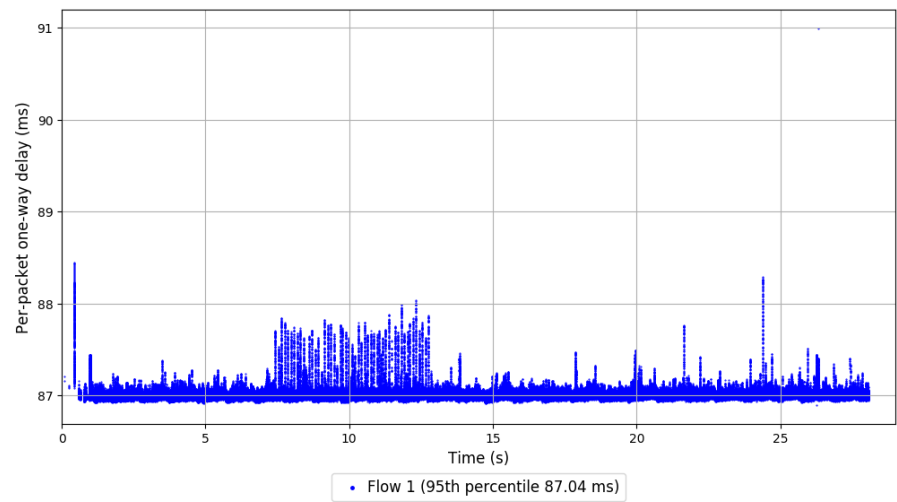
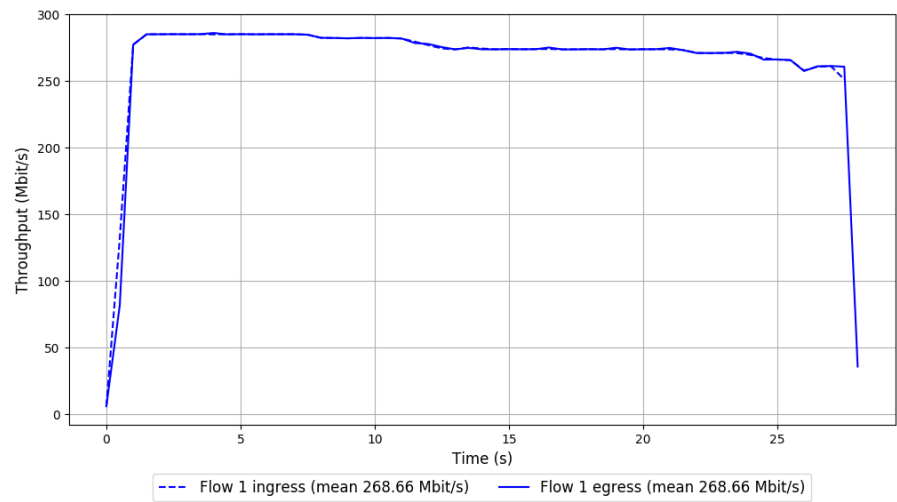


Run 5: Statistics of TaoVA-100x

Start at: 2017-11-21 03:41:06
End at: 2017-11-21 03:41:36
Local clock offset: -0.032 ms
Remote clock offset: -1.231 ms

Below is generated by plot.py at 2017-11-21 06:24:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 268.66 Mbit/s
95th percentile per-packet one-way delay: 87.044 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 268.66 Mbit/s
95th percentile per-packet one-way delay: 87.044 ms
Loss rate: 0.00%

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

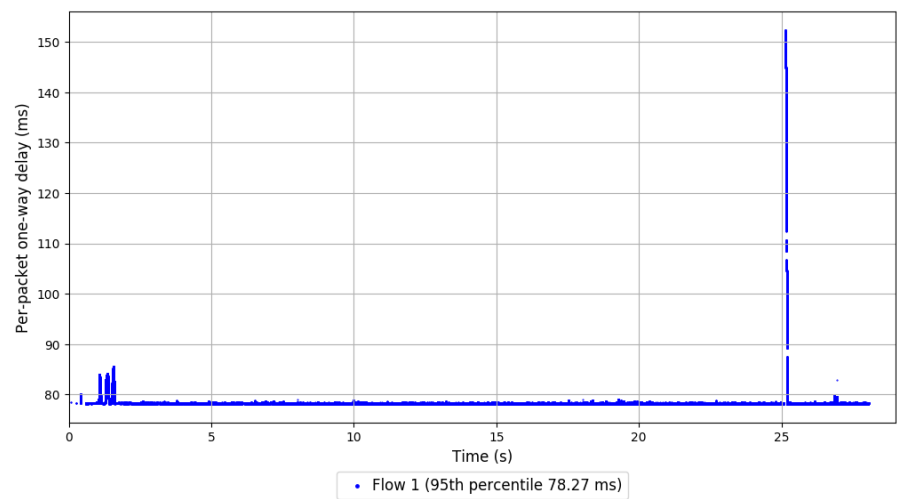
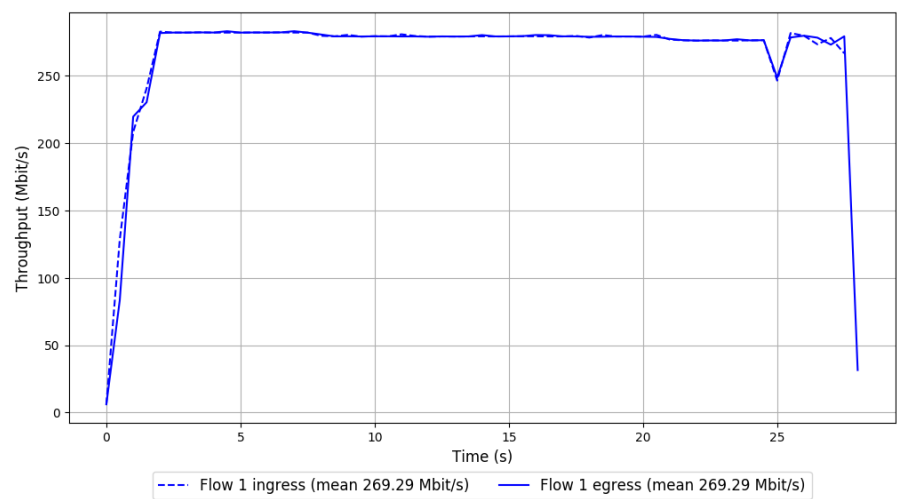


Run 6: Statistics of TaoVA-100x

Start at: 2017-11-21 03:58:49
End at: 2017-11-21 03:59:19
Local clock offset: 0.027 ms
Remote clock offset: -11.078 ms

Below is generated by plot.py at 2017-11-21 06:24:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 269.29 Mbit/s
95th percentile per-packet one-way delay: 78.270 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 269.29 Mbit/s
95th percentile per-packet one-way delay: 78.270 ms
Loss rate: 0.00%

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

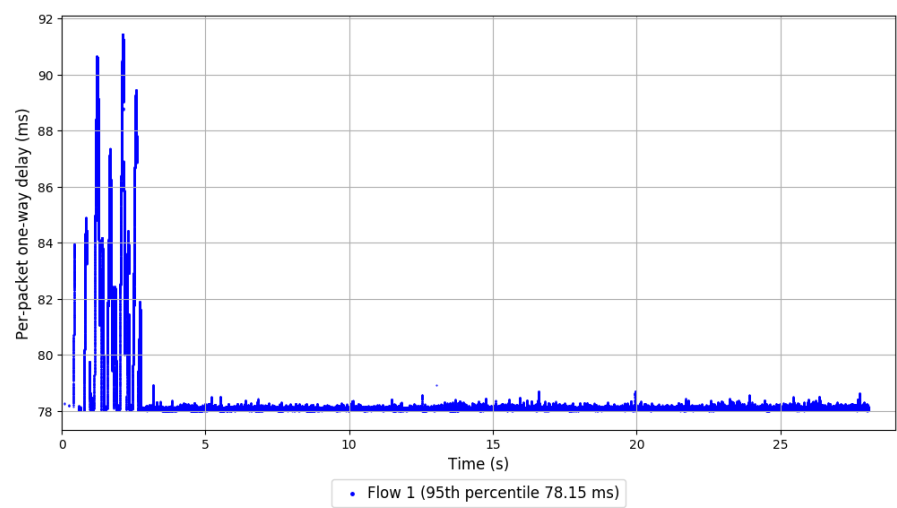
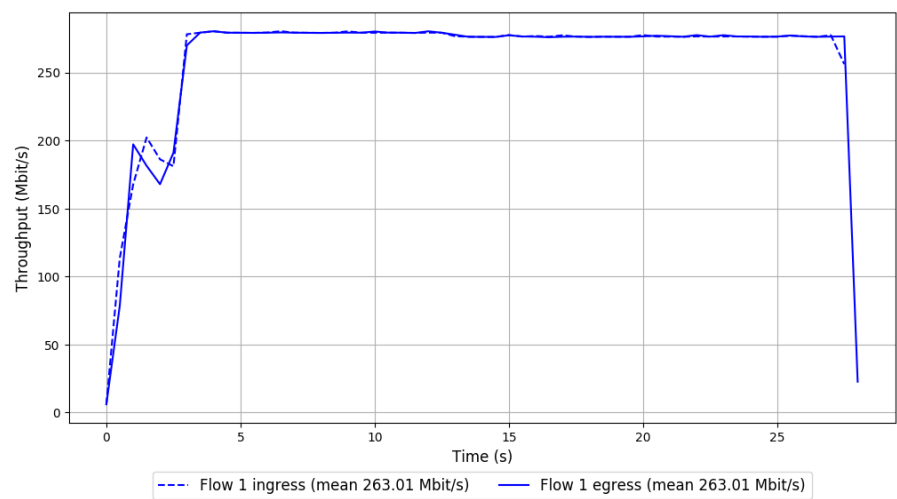


Run 7: Statistics of TaoVA-100x

Start at: 2017-11-21 04:16:45
End at: 2017-11-21 04:17:15
Local clock offset: 0.053 ms
Remote clock offset: -11.32 ms

Below is generated by plot.py at 2017-11-21 06:26:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 263.01 Mbit/s
95th percentile per-packet one-way delay: 78.154 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 263.01 Mbit/s
95th percentile per-packet one-way delay: 78.154 ms
Loss rate: 0.00%

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

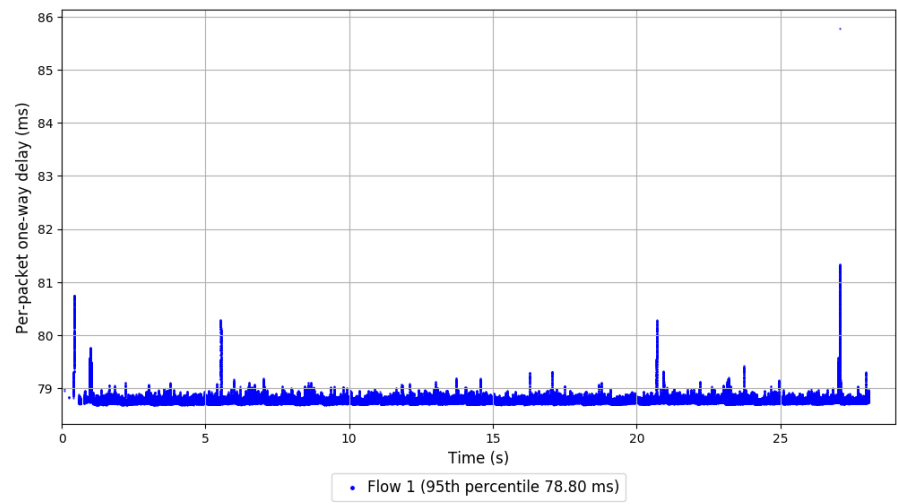
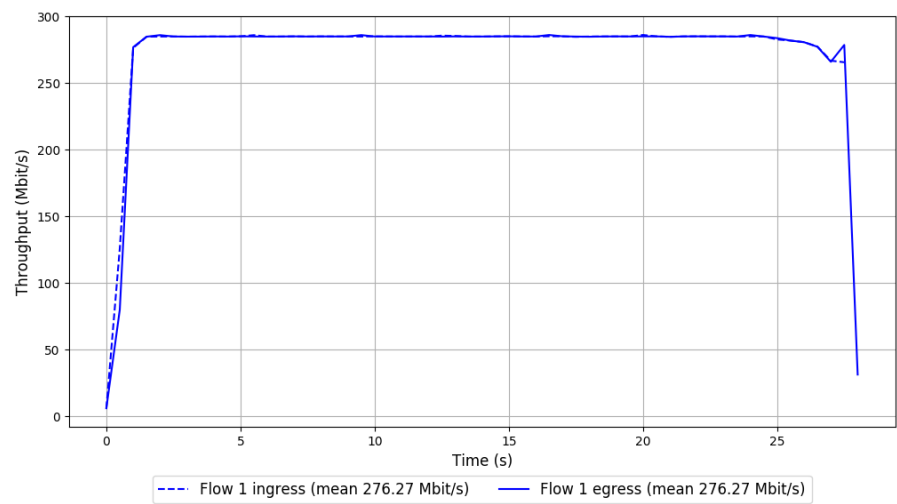


Run 8: Statistics of TaoVA-100x

Start at: 2017-11-21 04:34:53
End at: 2017-11-21 04:35:23
Local clock offset: 0.083 ms
Remote clock offset: -11.544 ms

Below is generated by plot.py at 2017-11-21 06:28:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 276.27 Mbit/s
95th percentile per-packet one-way delay: 78.802 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 276.27 Mbit/s
95th percentile per-packet one-way delay: 78.802 ms
Loss rate: 0.00%

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

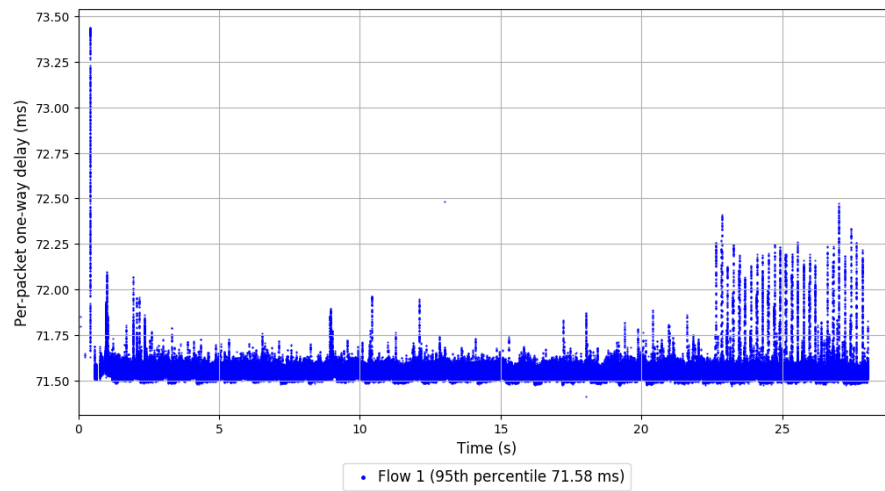
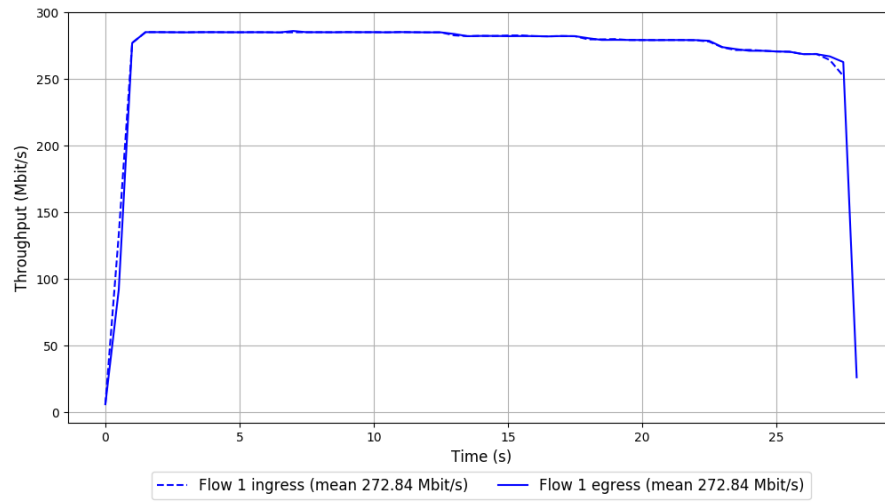


Run 9: Statistics of TaoVA-100x

Start at: 2017-11-21 04:53:09
End at: 2017-11-21 04:53:39
Local clock offset: 0.054 ms
Remote clock offset: -16.238 ms

Below is generated by plot.py at 2017-11-21 06:31:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 272.84 Mbit/s
95th percentile per-packet one-way delay: 71.585 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 272.84 Mbit/s
95th percentile per-packet one-way delay: 71.585 ms
Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2017-11-21 05:11:26

End at: 2017-11-21 05:11:56

Local clock offset: 0.06 ms

Remote clock offset: -15.832 ms

Below is generated by plot.py at 2017-11-21 06:31:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 264.15 Mbit/s

95th percentile per-packet one-way delay: 73.826 ms

Loss rate: 0.00%

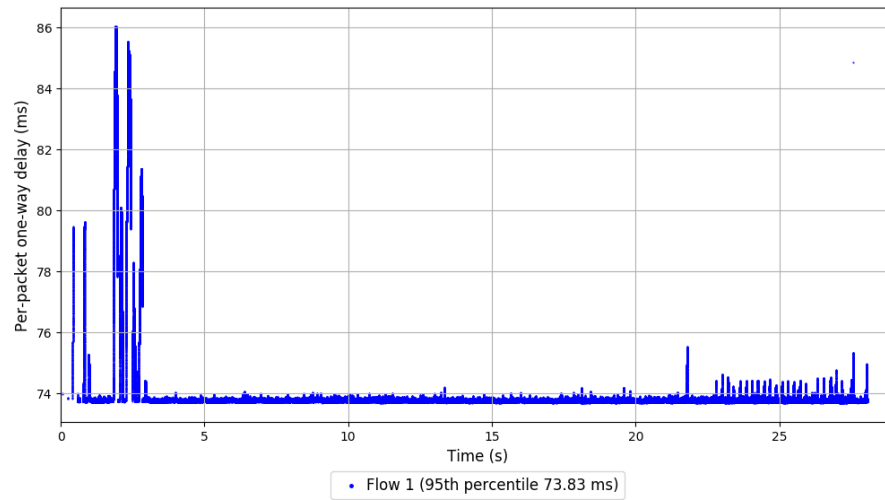
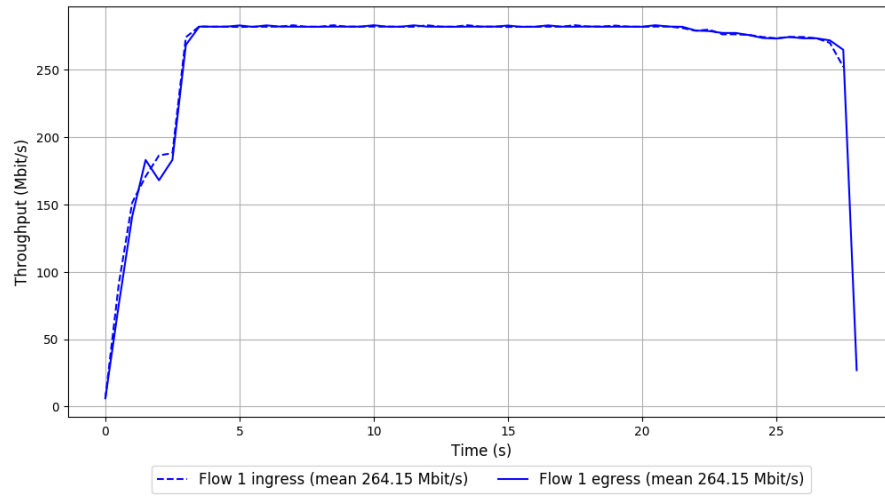
-- Flow 1:

Average throughput: 264.15 Mbit/s

95th percentile per-packet one-way delay: 73.826 ms

Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2017-11-21 02:37:06

End at: 2017-11-21 02:37:36

Local clock offset: -0.122 ms

Remote clock offset: 1.445 ms

Below is generated by plot.py at 2017-11-21 06:31:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 115.87 Mbit/s

95th percentile per-packet one-way delay: 97.486 ms

Loss rate: 0.01%

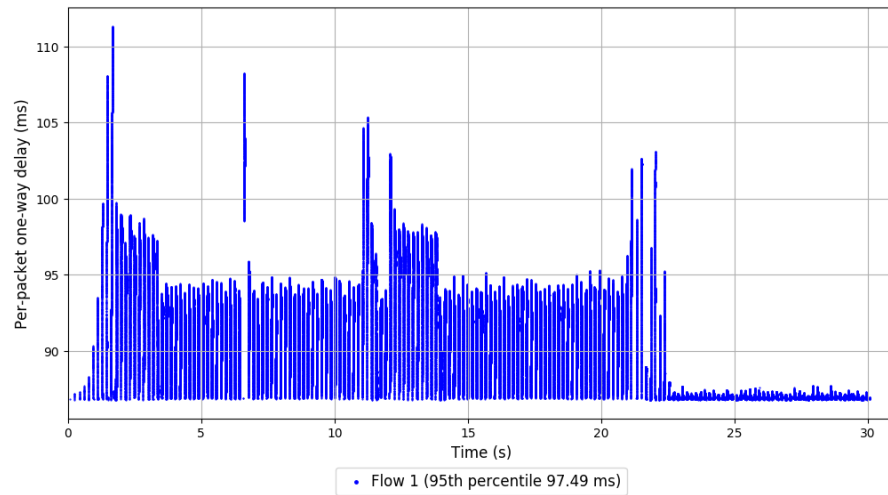
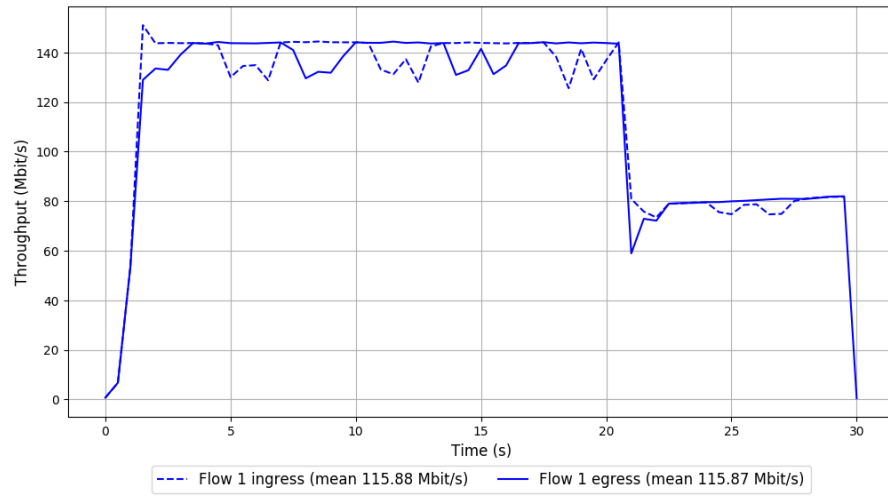
-- Flow 1:

Average throughput: 115.87 Mbit/s

95th percentile per-packet one-way delay: 97.486 ms

Loss rate: 0.01%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2017-11-21 02:54:55

End at: 2017-11-21 02:55:25

Local clock offset: -0.057 ms

Remote clock offset: 0.46 ms

Below is generated by plot.py at 2017-11-21 06:31:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.44 Mbit/s

95th percentile per-packet one-way delay: 93.280 ms

Loss rate: 0.00%

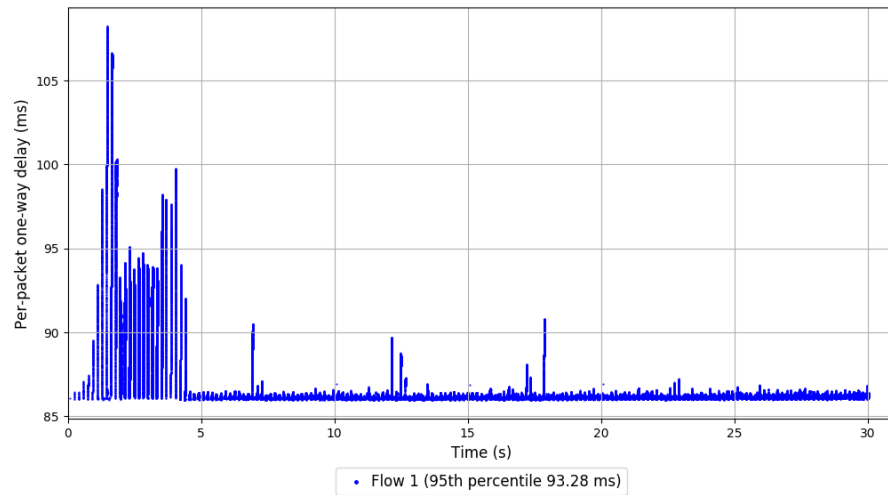
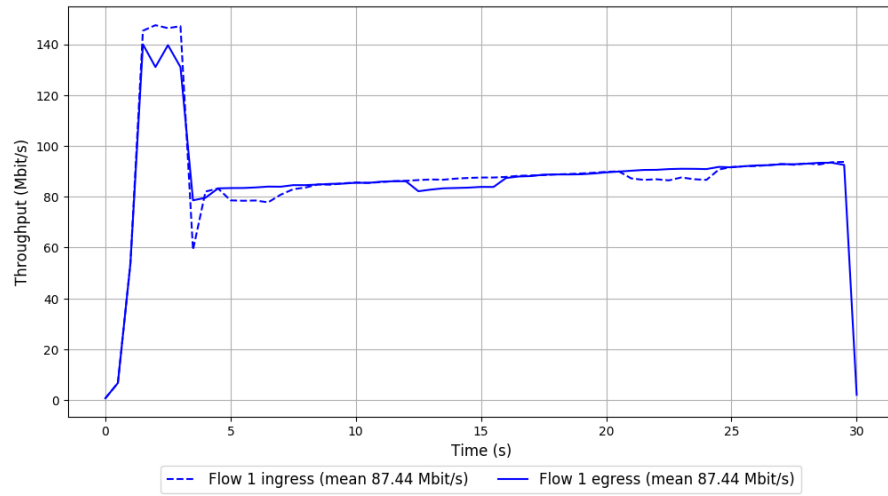
-- Flow 1:

Average throughput: 87.44 Mbit/s

95th percentile per-packet one-way delay: 93.280 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

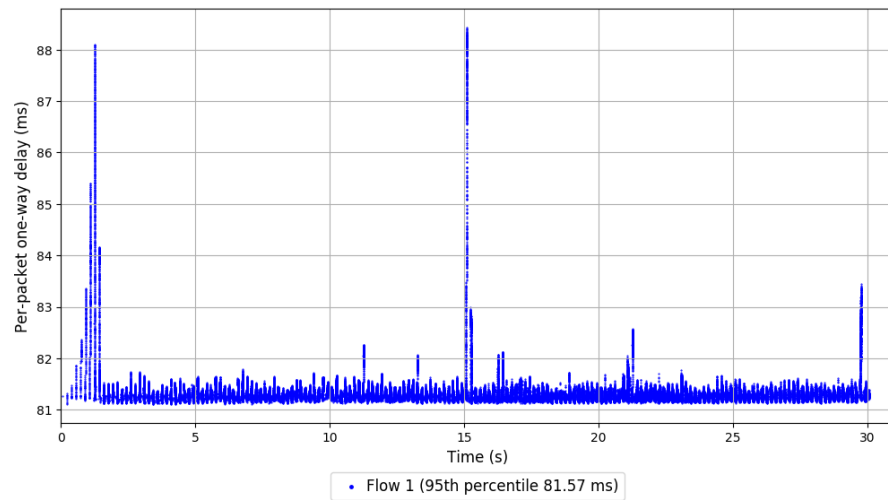
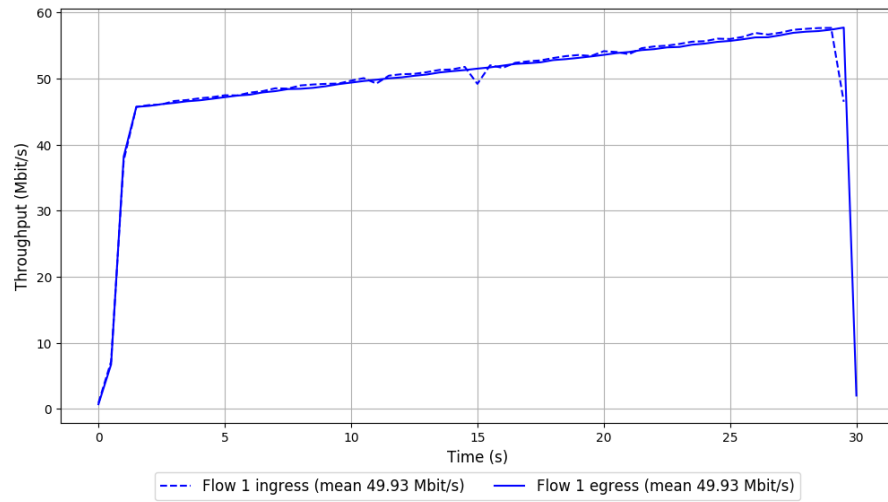


Run 3: Statistics of TCP Vegas

Start at: 2017-11-21 03:12:57
End at: 2017-11-21 03:13:27
Local clock offset: -0.043 ms
Remote clock offset: -5.412 ms

Below is generated by plot.py at 2017-11-21 06:31:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 49.93 Mbit/s
95th percentile per-packet one-way delay: 81.573 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.93 Mbit/s
95th percentile per-packet one-way delay: 81.573 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

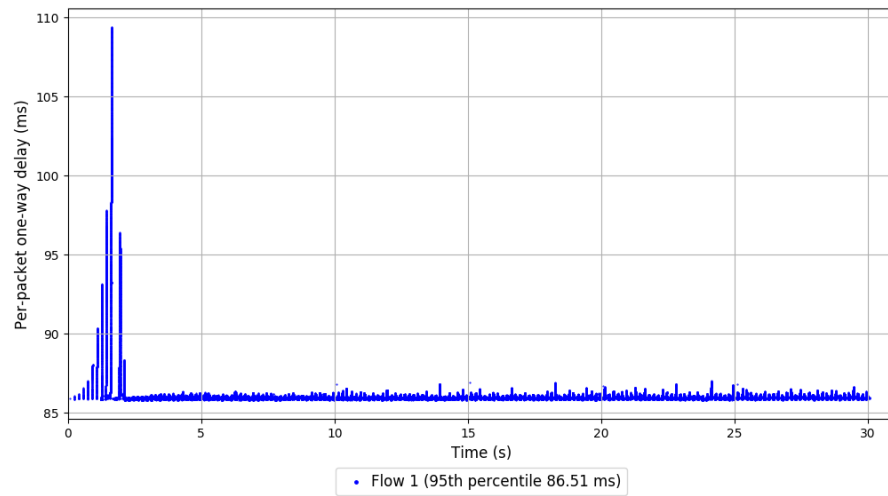
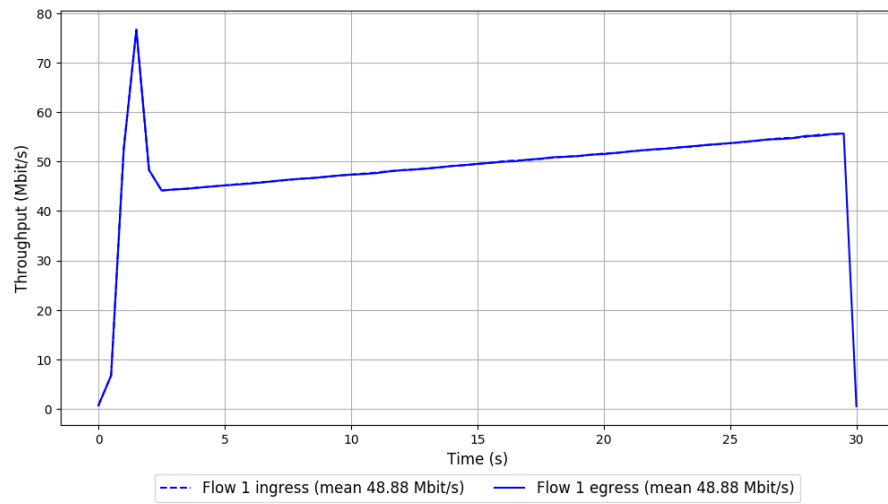


Run 4: Statistics of TCP Vegas

Start at: 2017-11-21 03:30:59
End at: 2017-11-21 03:31:29
Local clock offset: 0.001 ms
Remote clock offset: -1.032 ms

Below is generated by plot.py at 2017-11-21 06:31:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 48.88 Mbit/s
95th percentile per-packet one-way delay: 86.506 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 48.88 Mbit/s
95th percentile per-packet one-way delay: 86.506 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2017-11-21 03:48:48

End at: 2017-11-21 03:49:18

Local clock offset: -0.005 ms

Remote clock offset: -1.33 ms

Below is generated by plot.py at 2017-11-21 06:31:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.49 Mbit/s

95th percentile per-packet one-way delay: 88.768 ms

Loss rate: 0.00%

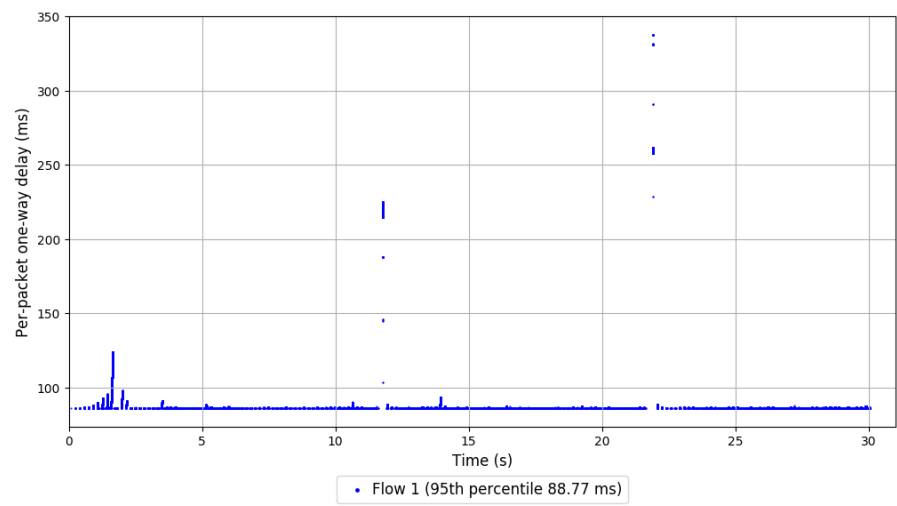
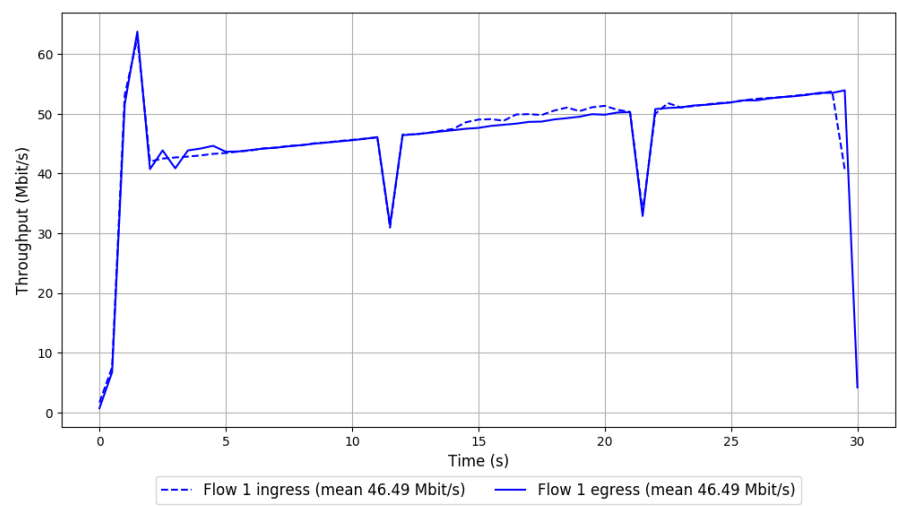
-- Flow 1:

Average throughput: 46.49 Mbit/s

95th percentile per-packet one-way delay: 88.768 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

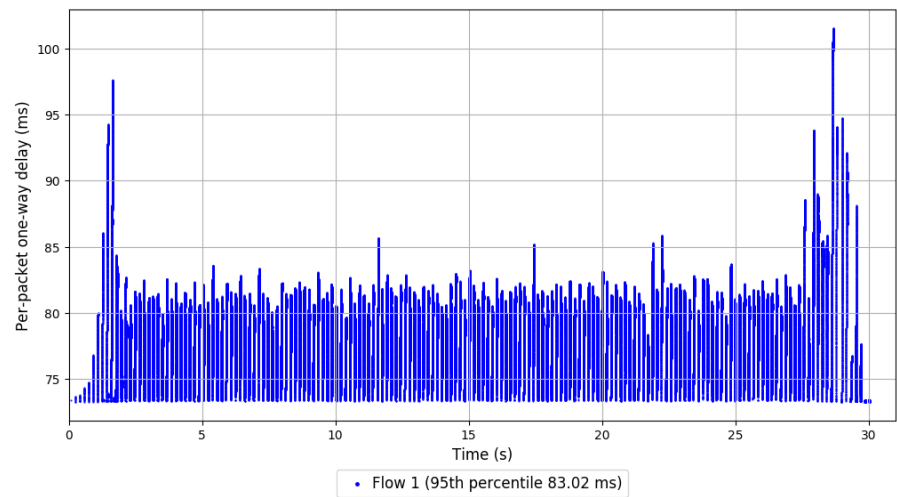
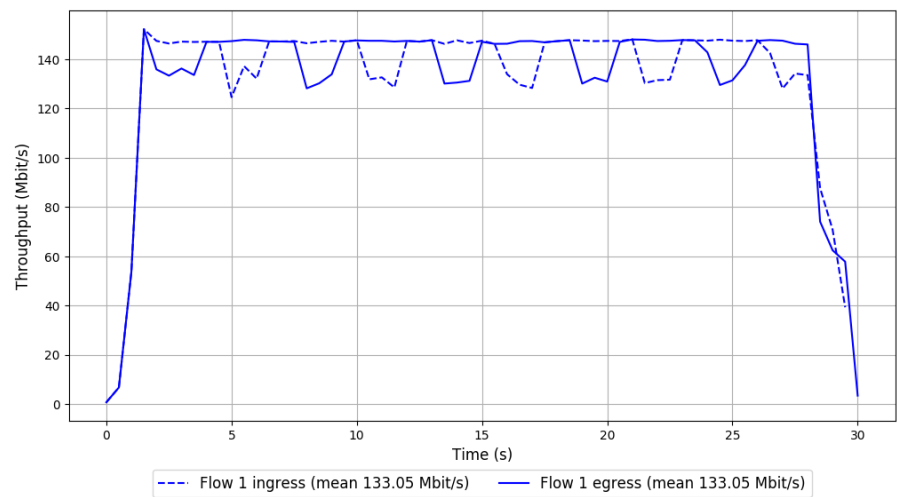


Run 6: Statistics of TCP Vegas

Start at: 2017-11-21 04:06:36
End at: 2017-11-21 04:07:06
Local clock offset: 0.035 ms
Remote clock offset: -15.912 ms

Below is generated by plot.py at 2017-11-21 06:31:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 133.05 Mbit/s
95th percentile per-packet one-way delay: 83.024 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 133.05 Mbit/s
95th percentile per-packet one-way delay: 83.024 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

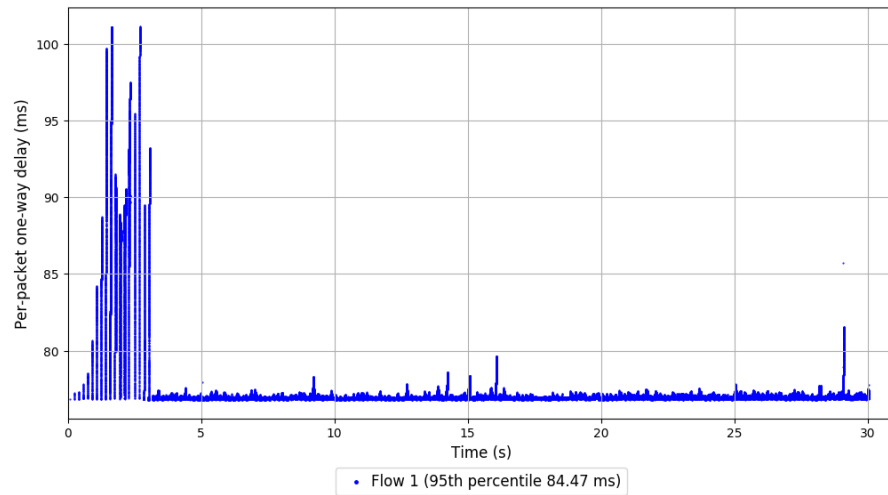
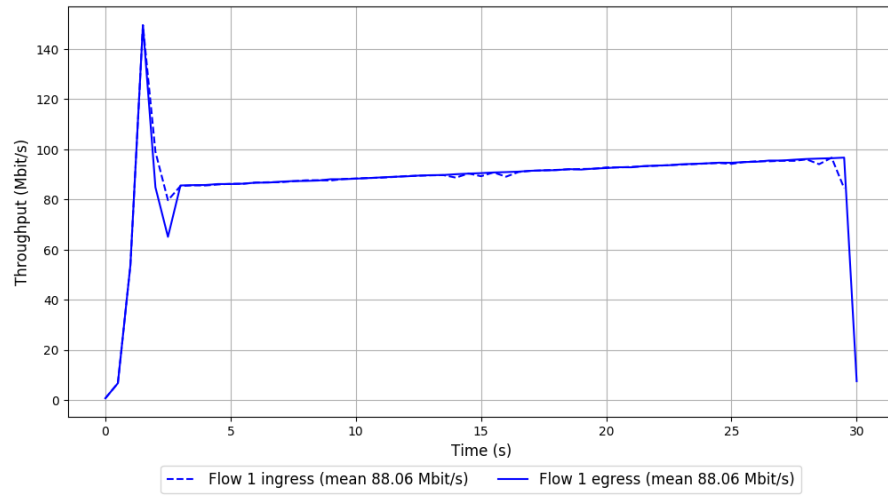


Run 7: Statistics of TCP Vegas

Start at: 2017-11-21 04:24:33
End at: 2017-11-21 04:25:03
Local clock offset: 0.009 ms
Remote clock offset: -11.346 ms

Below is generated by plot.py at 2017-11-21 06:31:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.06 Mbit/s
95th percentile per-packet one-way delay: 84.472 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.06 Mbit/s
95th percentile per-packet one-way delay: 84.472 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

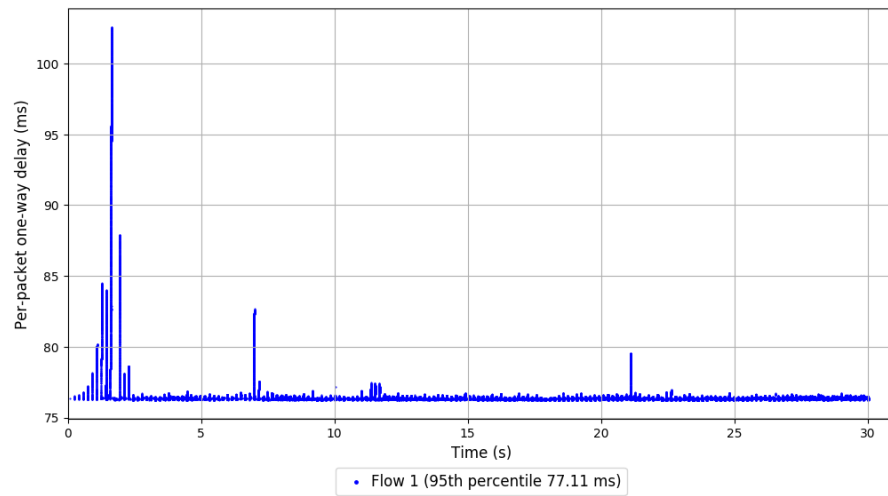
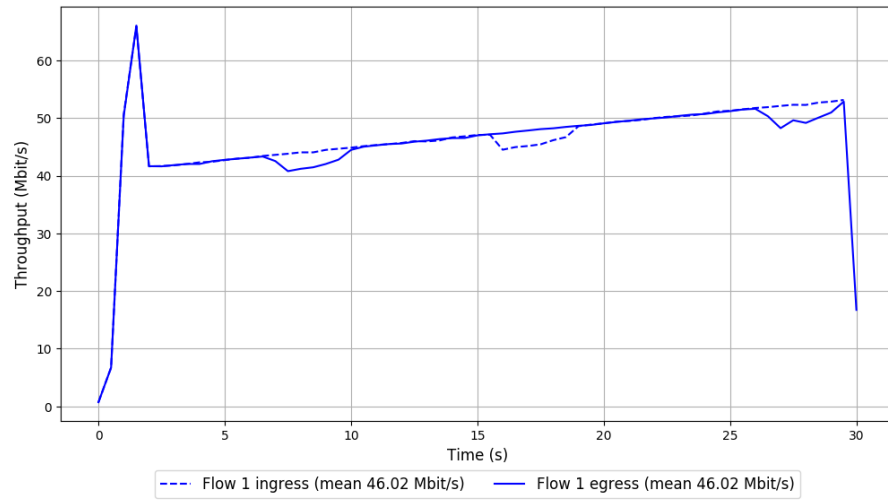


Run 8: Statistics of TCP Vegas

Start at: 2017-11-21 04:42:44
End at: 2017-11-21 04:43:14
Local clock offset: 0.064 ms
Remote clock offset: -11.731 ms

Below is generated by plot.py at 2017-11-21 06:31:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 46.02 Mbit/s
95th percentile per-packet one-way delay: 77.107 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.02 Mbit/s
95th percentile per-packet one-way delay: 77.107 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

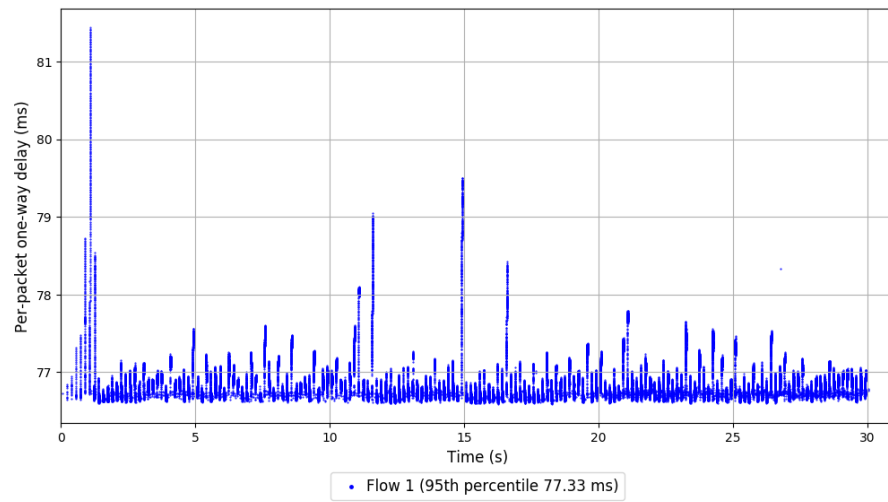
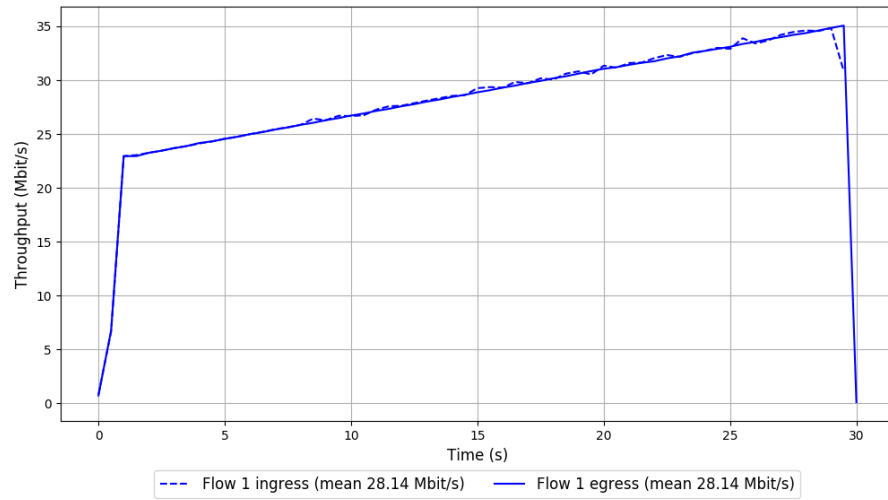


Run 9: Statistics of TCP Vegas

Start at: 2017-11-21 05:01:04
End at: 2017-11-21 05:01:34
Local clock offset: 0.032 ms
Remote clock offset: -11.288 ms

Below is generated by plot.py at 2017-11-21 06:31:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 28.14 Mbit/s
95th percentile per-packet one-way delay: 77.327 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 28.14 Mbit/s
95th percentile per-packet one-way delay: 77.327 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

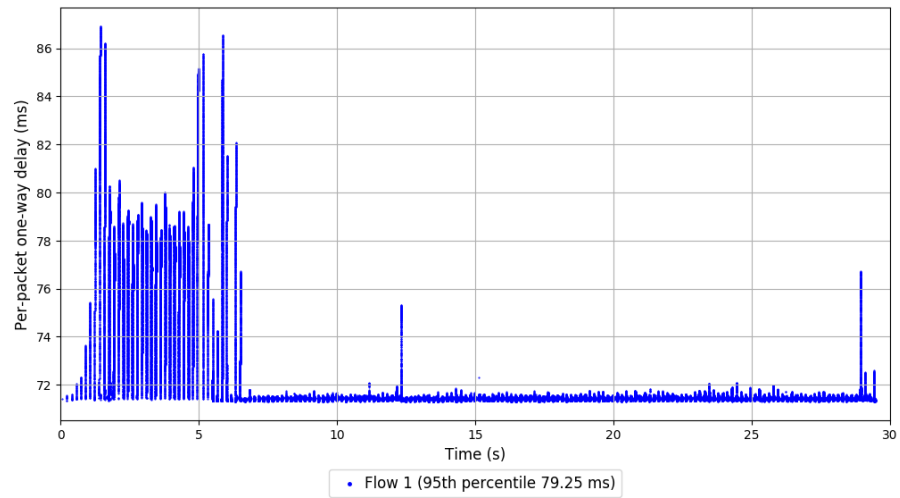
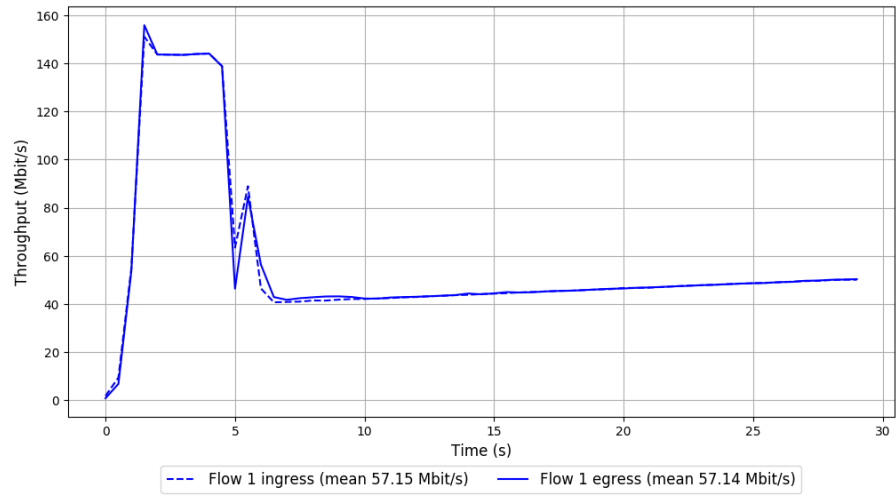


Run 10: Statistics of TCP Vegas

Start at: 2017-11-21 05:19:22
End at: 2017-11-21 05:19:52
Local clock offset: 0.035 ms
Remote clock offset: -15.607 ms

Below is generated by plot.py at 2017-11-21 06:31:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.14 Mbit/s
95th percentile per-packet one-way delay: 79.250 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.14 Mbit/s
95th percentile per-packet one-way delay: 79.250 ms
Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2017-11-21 02:39:35

End at: 2017-11-21 02:40:05

Local clock offset: -0.102 ms

Remote clock offset: 1.207 ms

Below is generated by plot.py at 2017-11-21 06:31:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 232.87 Mbit/s

95th percentile per-packet one-way delay: 115.931 ms

Loss rate: 0.72%

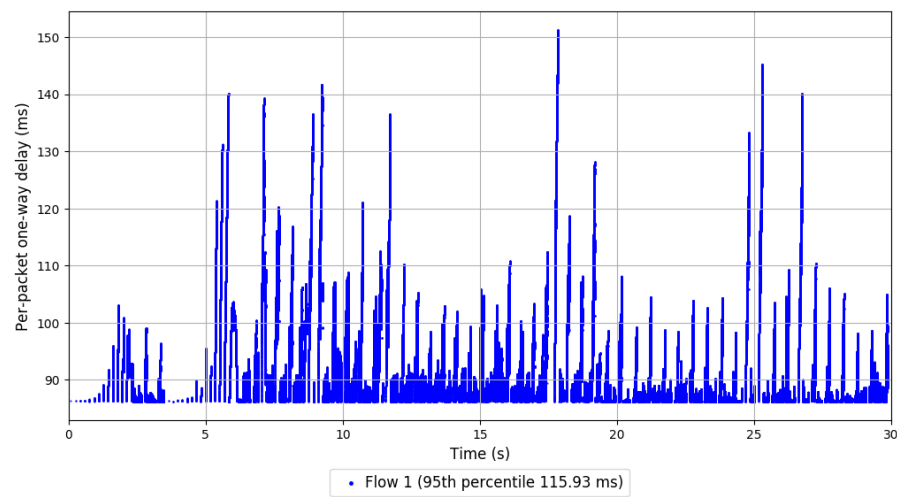
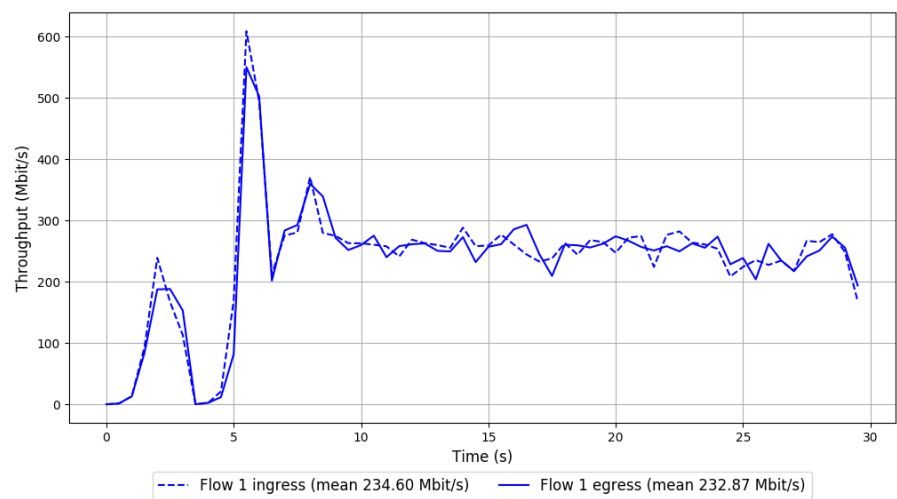
-- Flow 1:

Average throughput: 232.87 Mbit/s

95th percentile per-packet one-way delay: 115.931 ms

Loss rate: 0.72%

Run 1: Report of Verus — Data Link

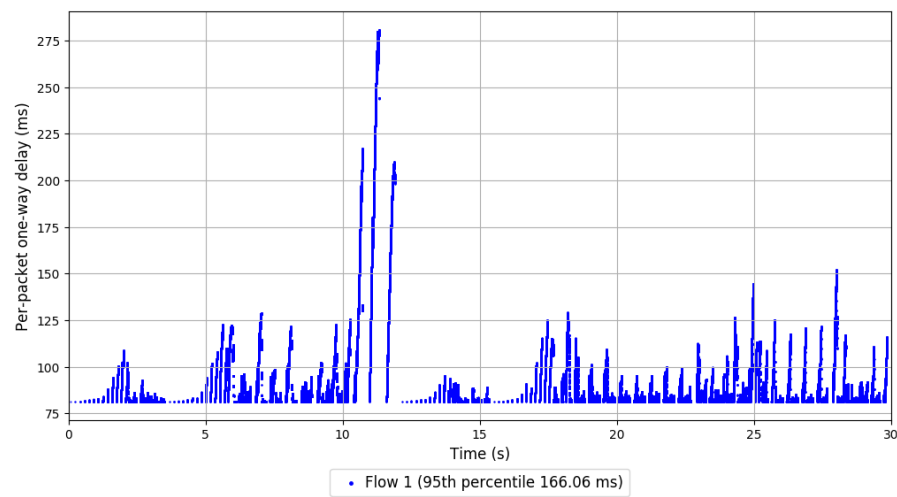
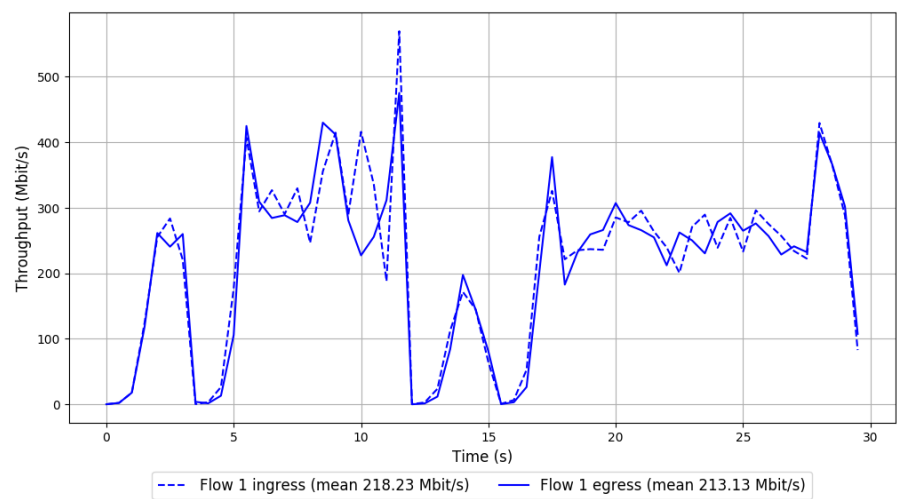


Run 2: Statistics of Verus

Start at: 2017-11-21 02:57:25
End at: 2017-11-21 02:57:55
Local clock offset: -0.048 ms
Remote clock offset: -4.571 ms

Below is generated by plot.py at 2017-11-21 06:31:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 213.13 Mbit/s
95th percentile per-packet one-way delay: 166.055 ms
Loss rate: 2.31%
-- Flow 1:
Average throughput: 213.13 Mbit/s
95th percentile per-packet one-way delay: 166.055 ms
Loss rate: 2.31%

Run 2: Report of Verus — Data Link

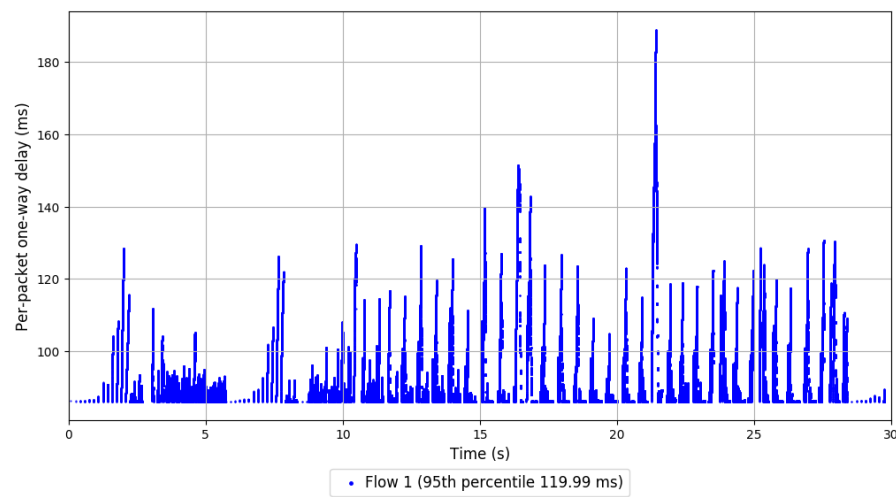
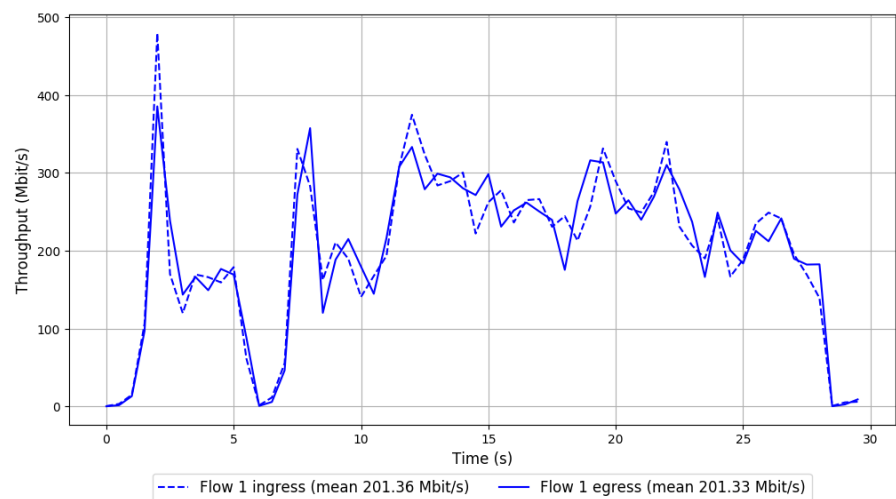


Run 3: Statistics of Verus

Start at: 2017-11-21 03:15:26
End at: 2017-11-21 03:15:56
Local clock offset: -0.127 ms
Remote clock offset: -0.554 ms

Below is generated by plot.py at 2017-11-21 06:31:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 201.33 Mbit/s
95th percentile per-packet one-way delay: 119.992 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 201.33 Mbit/s
95th percentile per-packet one-way delay: 119.992 ms
Loss rate: 0.01%

Run 3: Report of Verus — Data Link

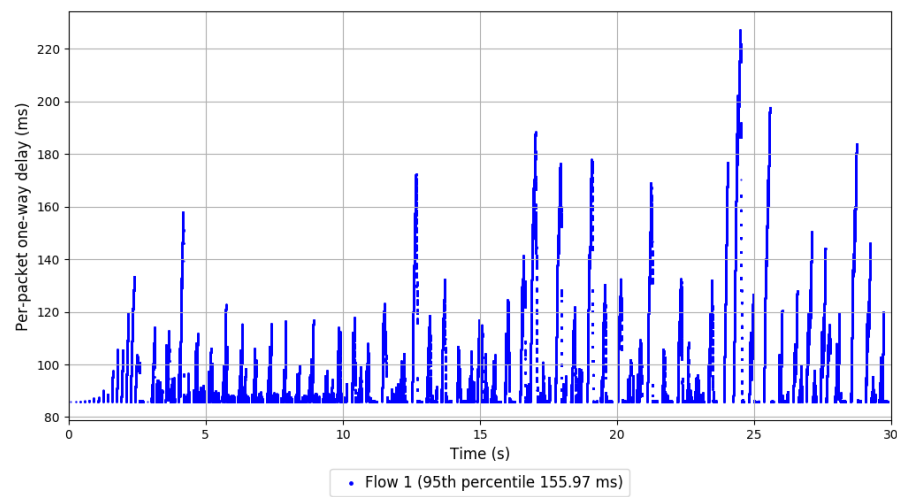
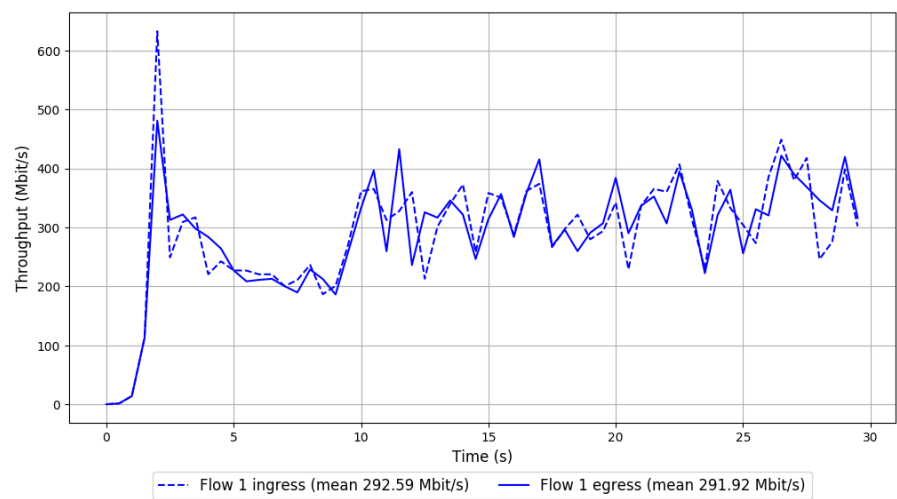


Run 4: Statistics of Verus

Start at: 2017-11-21 03:33:27
End at: 2017-11-21 03:33:57
Local clock offset: -0.009 ms
Remote clock offset: -1.174 ms

Below is generated by plot.py at 2017-11-21 06:32:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 291.92 Mbit/s
95th percentile per-packet one-way delay: 155.967 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 291.92 Mbit/s
95th percentile per-packet one-way delay: 155.967 ms
Loss rate: 0.23%

Run 4: Report of Verus — Data Link

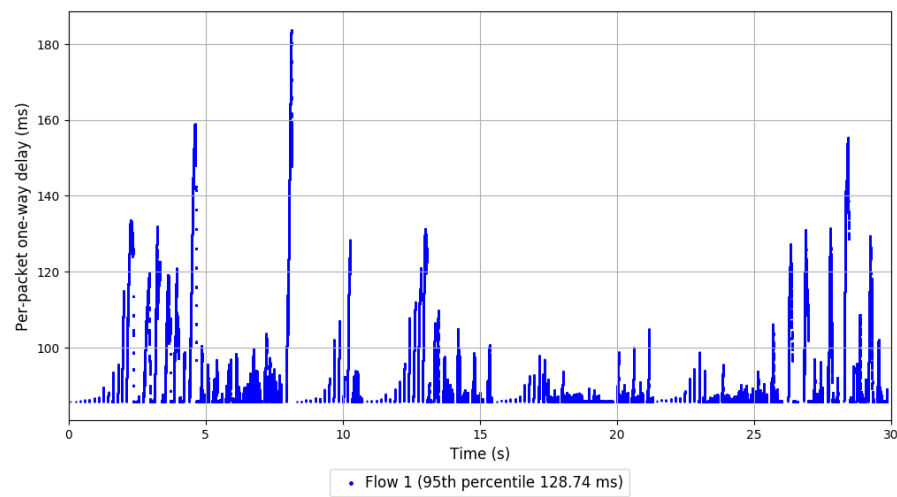
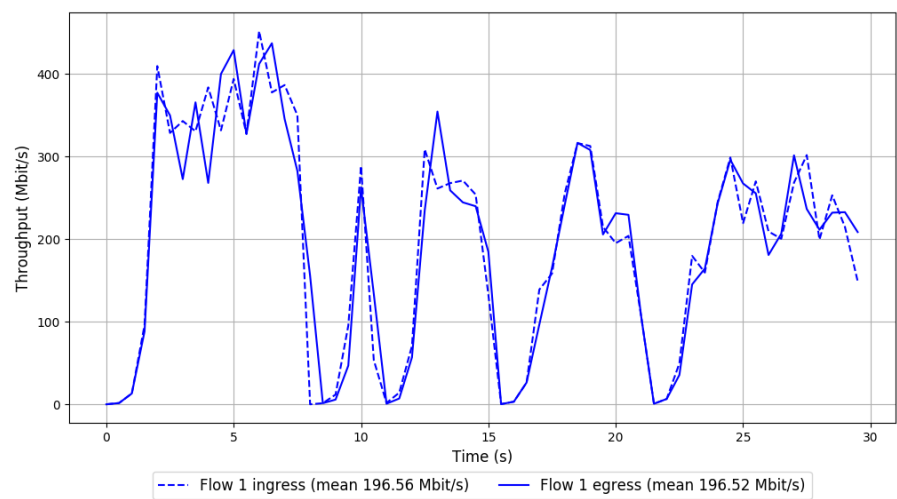


Run 5: Statistics of Verus

Start at: 2017-11-21 03:51:16
End at: 2017-11-21 03:51:46
Local clock offset: 0.011 ms
Remote clock offset: -1.645 ms

Below is generated by plot.py at 2017-11-21 06:32:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 196.52 Mbit/s
95th percentile per-packet one-way delay: 128.737 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 196.52 Mbit/s
95th percentile per-packet one-way delay: 128.737 ms
Loss rate: 0.01%

Run 5: Report of Verus — Data Link

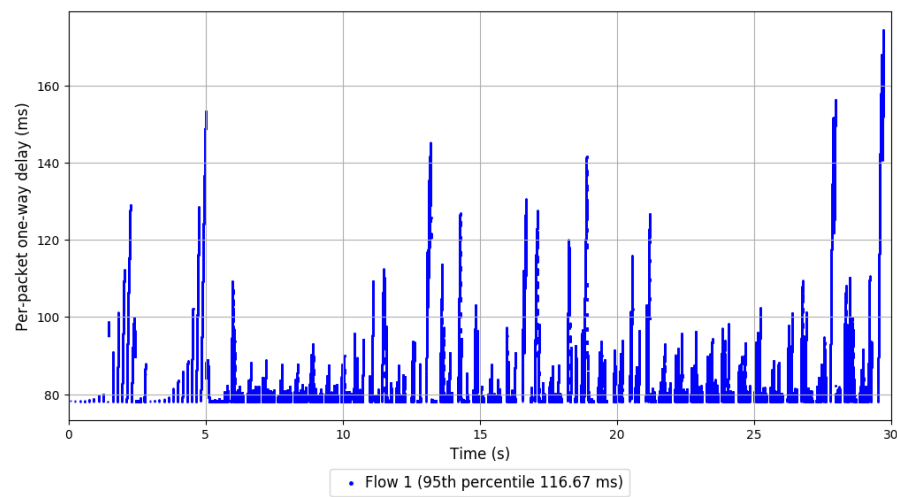
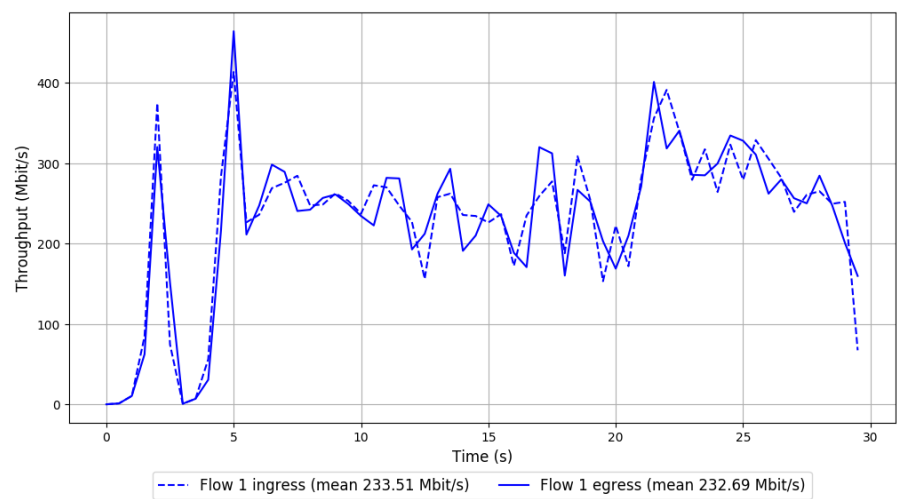


Run 6: Statistics of Verus

Start at: 2017-11-21 04:09:08
End at: 2017-11-21 04:09:38
Local clock offset: 0.061 ms
Remote clock offset: -11.139 ms

Below is generated by plot.py at 2017-11-21 06:32:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 232.69 Mbit/s
95th percentile per-packet one-way delay: 116.669 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 232.69 Mbit/s
95th percentile per-packet one-way delay: 116.669 ms
Loss rate: 0.03%

Run 6: Report of Verus — Data Link

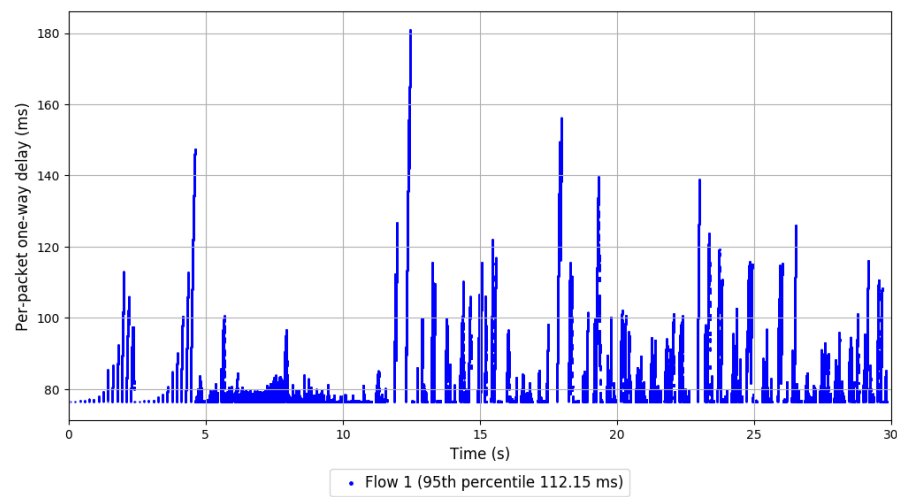
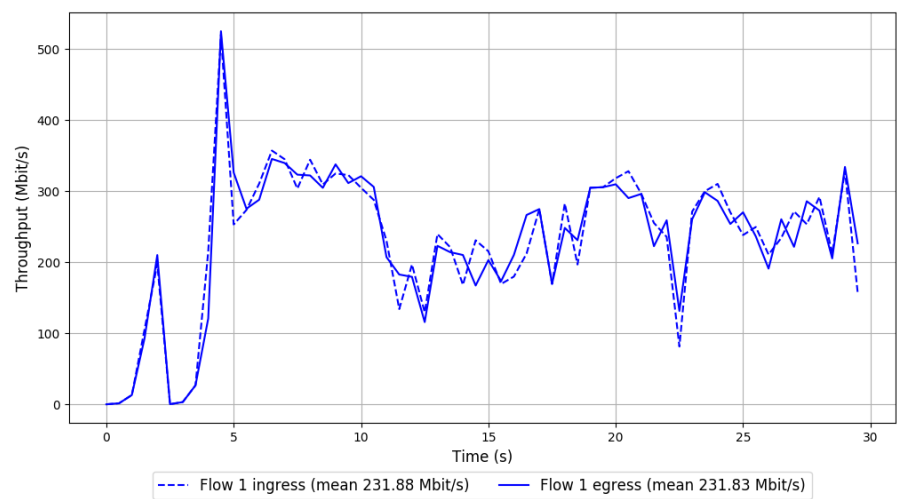


Run 7: Statistics of Verus

Start at: 2017-11-21 04:27:07
End at: 2017-11-21 04:27:37
Local clock offset: 0.066 ms
Remote clock offset: -11.678 ms

Below is generated by plot.py at 2017-11-21 06:33:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 231.83 Mbit/s
95th percentile per-packet one-way delay: 112.152 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 231.83 Mbit/s
95th percentile per-packet one-way delay: 112.152 ms
Loss rate: 0.02%

Run 7: Report of Verus — Data Link

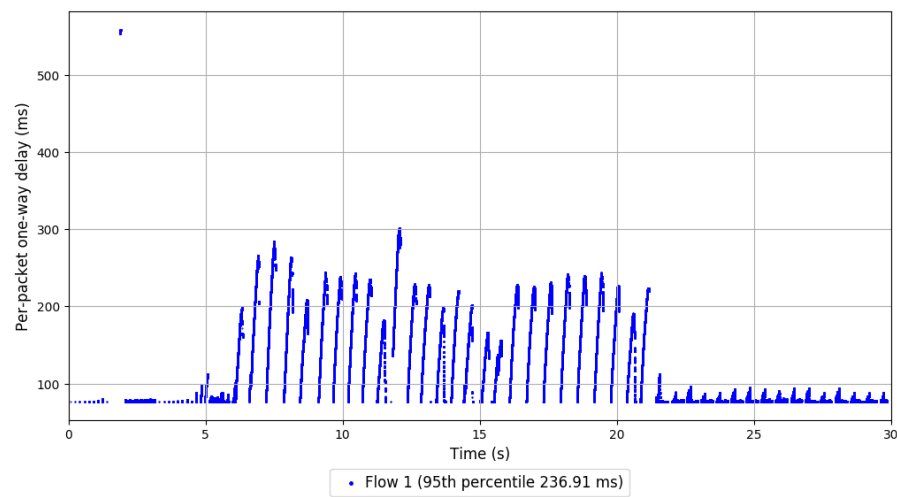
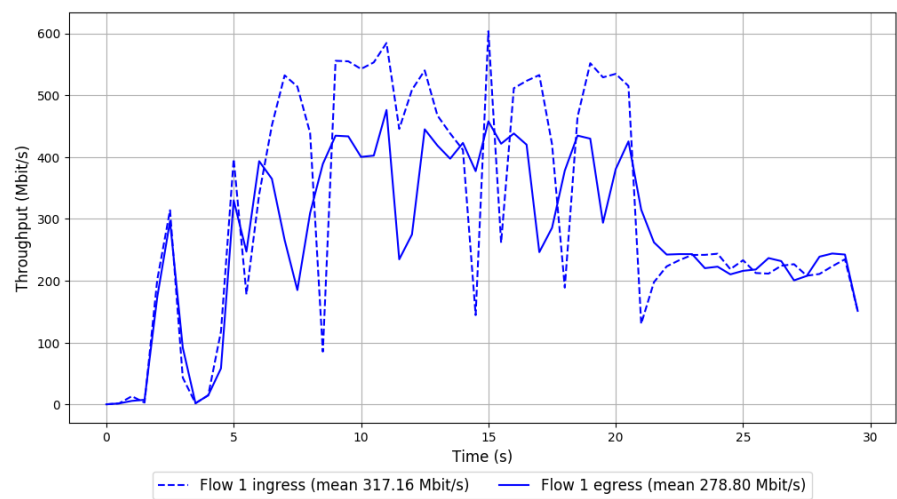


Run 8: Statistics of Verus

Start at: 2017-11-21 04:45:11
End at: 2017-11-21 04:45:41
Local clock offset: -0.025 ms
Remote clock offset: -11.749 ms

Below is generated by plot.py at 2017-11-21 06:34:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 278.80 Mbit/s
95th percentile per-packet one-way delay: 236.906 ms
Loss rate: 12.10%
-- Flow 1:
Average throughput: 278.80 Mbit/s
95th percentile per-packet one-way delay: 236.906 ms
Loss rate: 12.10%

Run 8: Report of Verus — Data Link

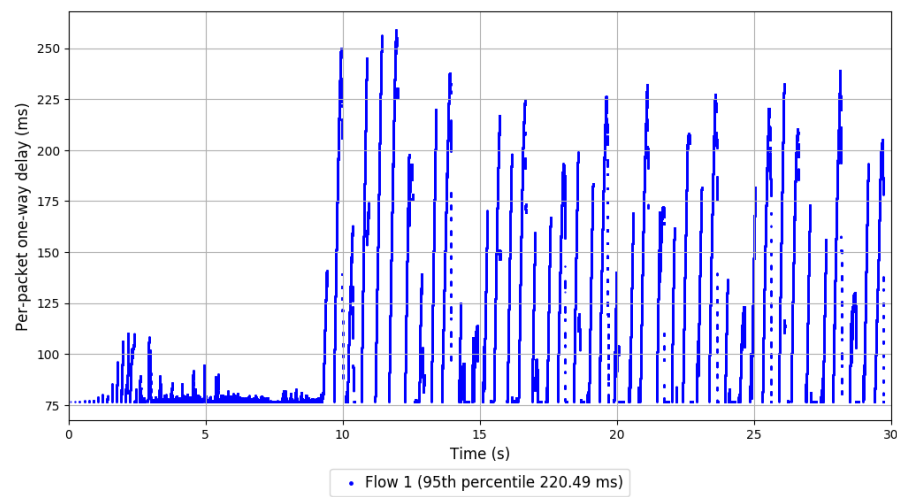
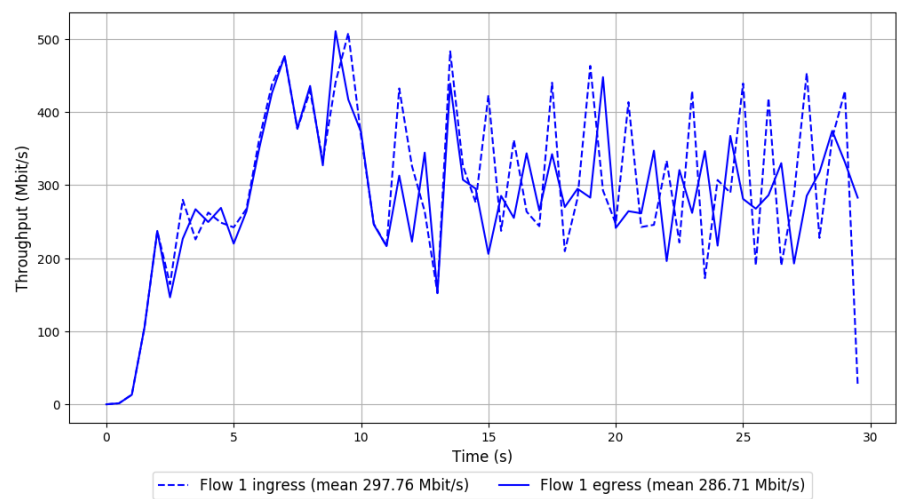


Run 9: Statistics of Verus

Start at: 2017-11-21 05:03:31
End at: 2017-11-21 05:04:01
Local clock offset: 0.041 ms
Remote clock offset: -11.228 ms

Below is generated by plot.py at 2017-11-21 06:34:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 286.71 Mbit/s
95th percentile per-packet one-way delay: 220.487 ms
Loss rate: 3.71%
-- Flow 1:
Average throughput: 286.71 Mbit/s
95th percentile per-packet one-way delay: 220.487 ms
Loss rate: 3.71%

Run 9: Report of Verus — Data Link

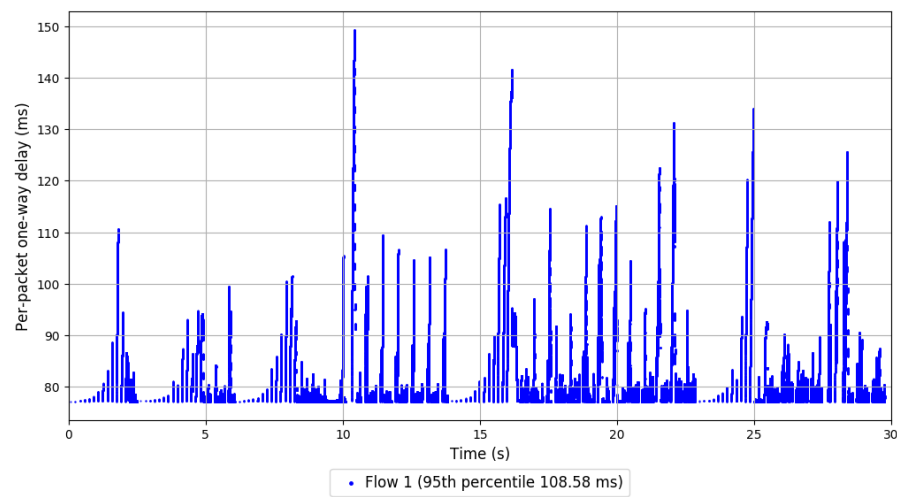
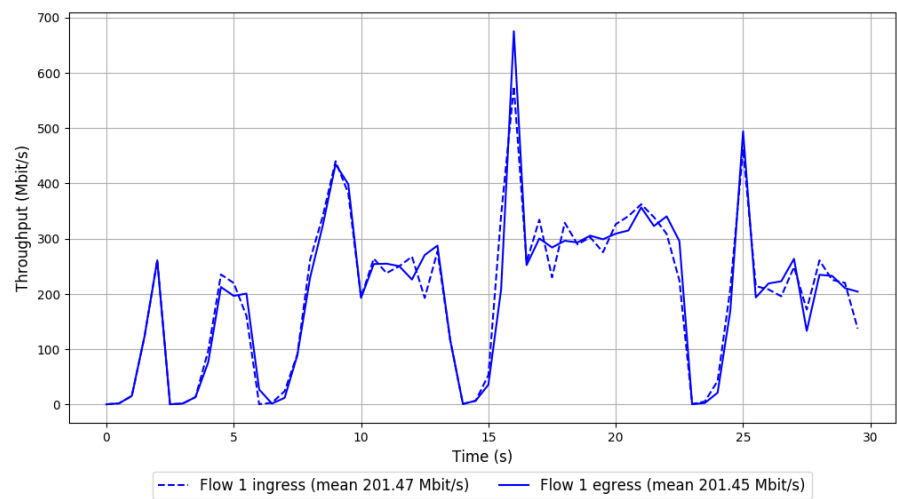


Run 10: Statistics of Verus

Start at: 2017-11-21 05:21:50
End at: 2017-11-21 05:22:20
Local clock offset: 0.024 ms
Remote clock offset: -10.746 ms

Below is generated by plot.py at 2017-11-21 06:34:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 201.45 Mbit/s
95th percentile per-packet one-way delay: 108.584 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 201.45 Mbit/s
95th percentile per-packet one-way delay: 108.584 ms
Loss rate: 0.01%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2017-11-21 02:43:22

End at: 2017-11-21 02:43:52

Local clock offset: -0.093 ms

Remote clock offset: -3.98 ms

Below is generated by plot.py at 2017-11-21 06:34:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.92 Mbit/s

95th percentile per-packet one-way delay: 80.998 ms

Loss rate: 0.00%

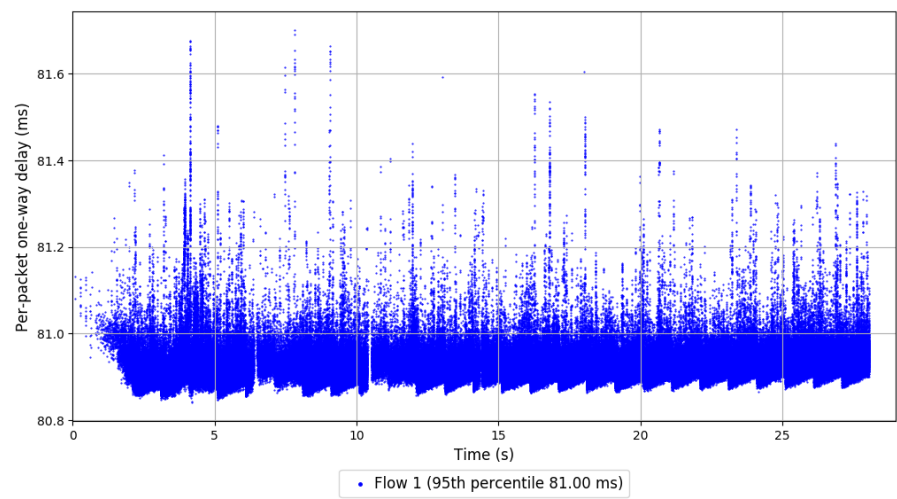
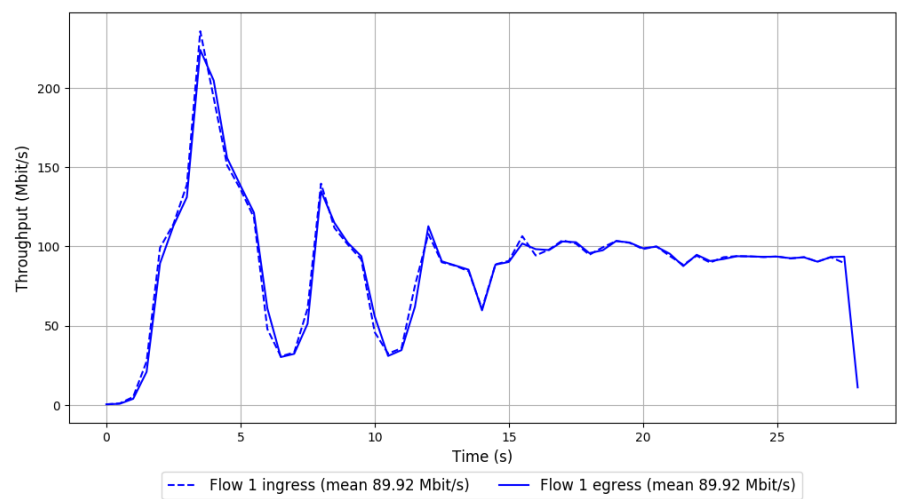
-- Flow 1:

Average throughput: 89.92 Mbit/s

95th percentile per-packet one-way delay: 80.998 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link

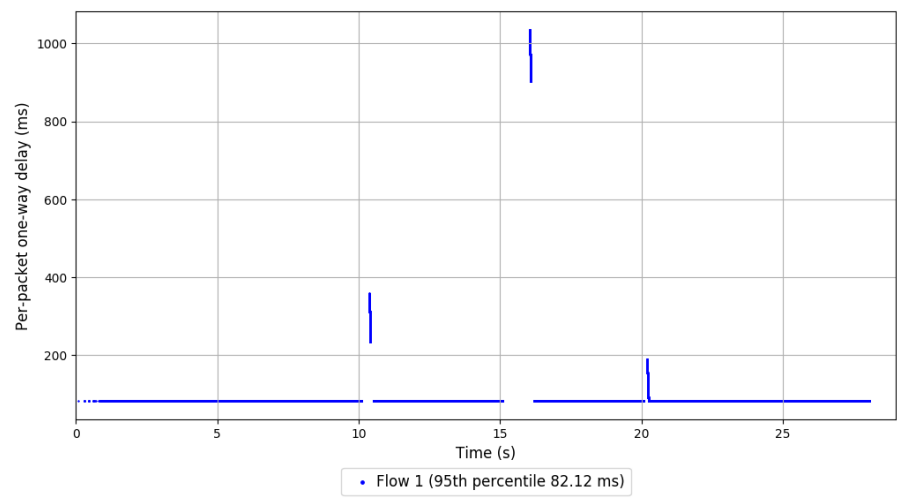
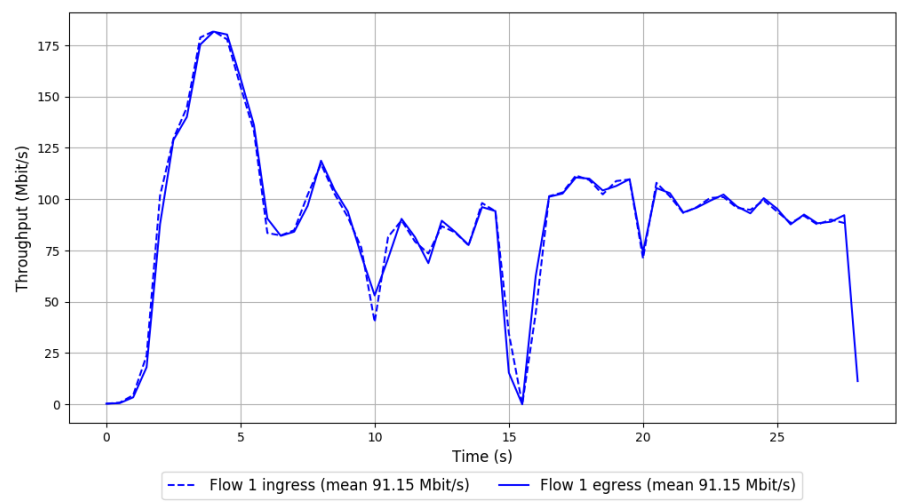


Run 2: Statistics of Copa

Start at: 2017-11-21 03:01:23
End at: 2017-11-21 03:01:53
Local clock offset: -0.148 ms
Remote clock offset: -4.908 ms

Below is generated by plot.py at 2017-11-21 06:34:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.15 Mbit/s
95th percentile per-packet one-way delay: 82.117 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.15 Mbit/s
95th percentile per-packet one-way delay: 82.117 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

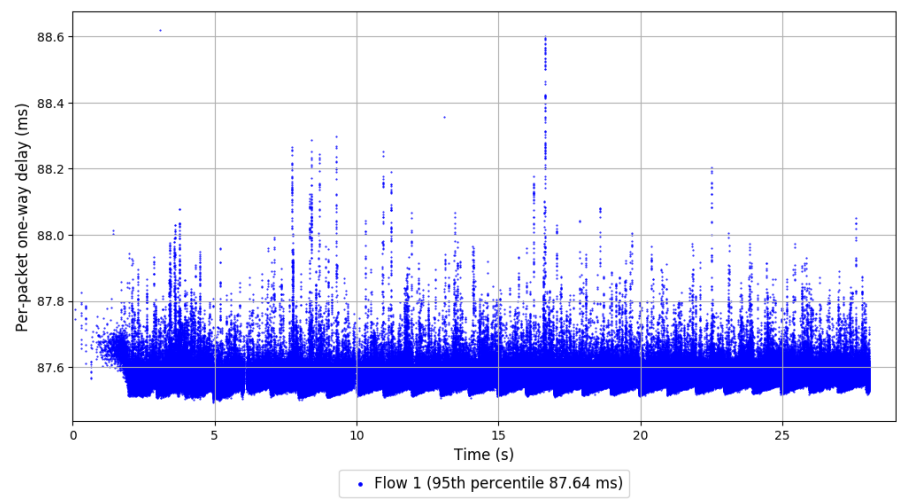
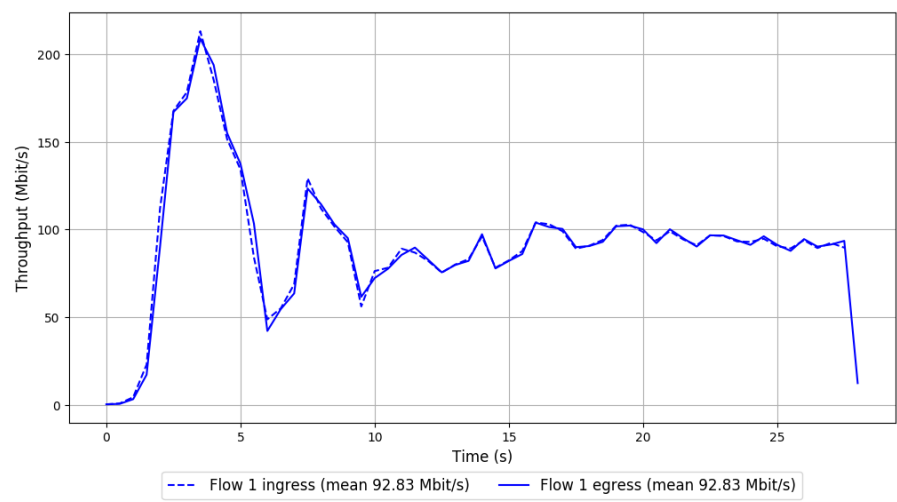


Run 3: Statistics of Copa

Start at: 2017-11-21 03:19:22
End at: 2017-11-21 03:19:52
Local clock offset: -0.042 ms
Remote clock offset: -0.752 ms

Below is generated by plot.py at 2017-11-21 06:34:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.83 Mbit/s
95th percentile per-packet one-way delay: 87.641 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.83 Mbit/s
95th percentile per-packet one-way delay: 87.641 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

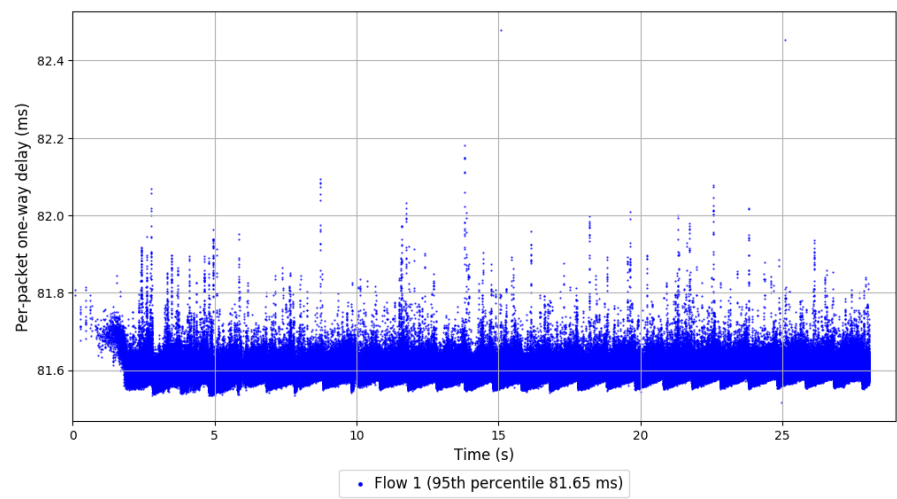
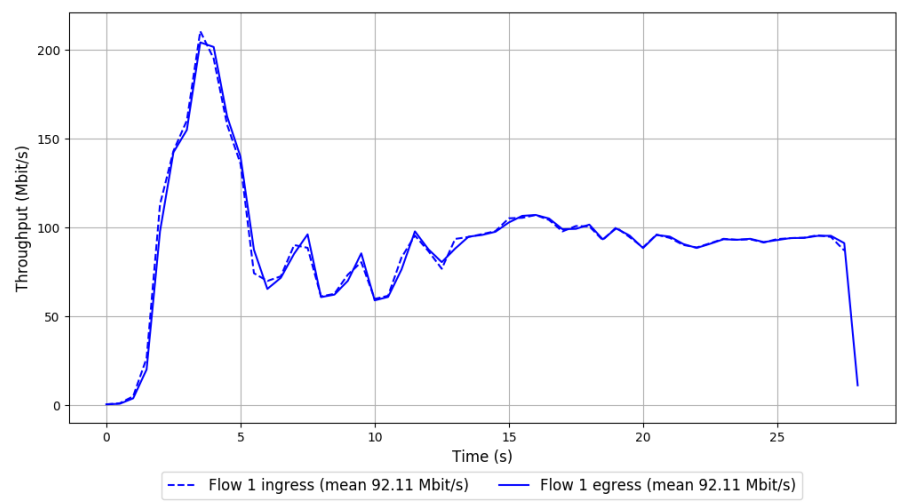


Run 4: Statistics of Copa

Start at: 2017-11-21 03:37:17
End at: 2017-11-21 03:37:47
Local clock offset: -0.066 ms
Remote clock offset: -6.088 ms

Below is generated by plot.py at 2017-11-21 06:34:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.11 Mbit/s
95th percentile per-packet one-way delay: 81.652 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.11 Mbit/s
95th percentile per-packet one-way delay: 81.652 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

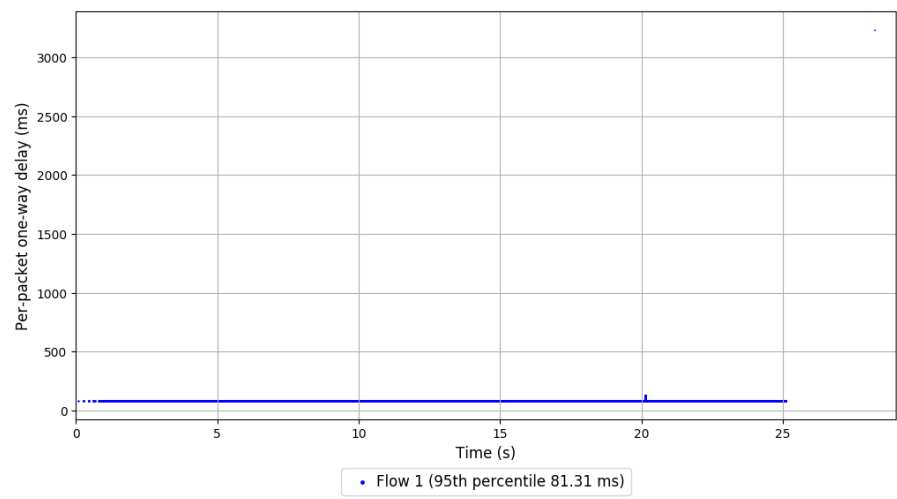
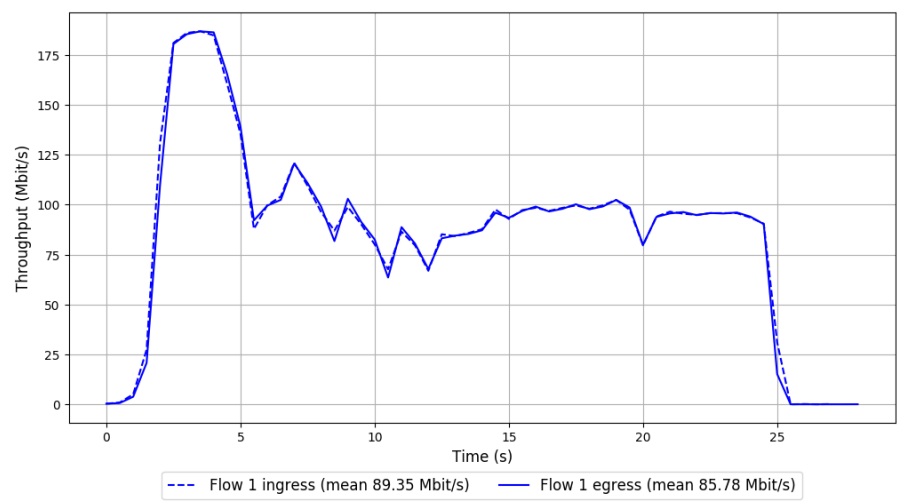


Run 5: Statistics of Copa

Start at: 2017-11-21 03:55:01
End at: 2017-11-21 03:55:31
Local clock offset: 0.029 ms
Remote clock offset: -6.308 ms

Below is generated by plot.py at 2017-11-21 06:35:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.78 Mbit/s
95th percentile per-packet one-way delay: 81.311 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 85.78 Mbit/s
95th percentile per-packet one-way delay: 81.311 ms
Loss rate: 0.64%

Run 5: Report of Copa — Data Link

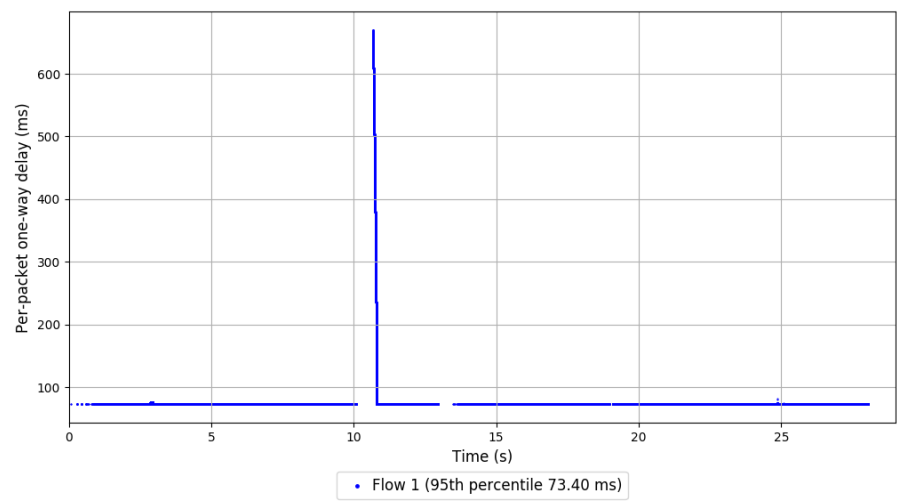
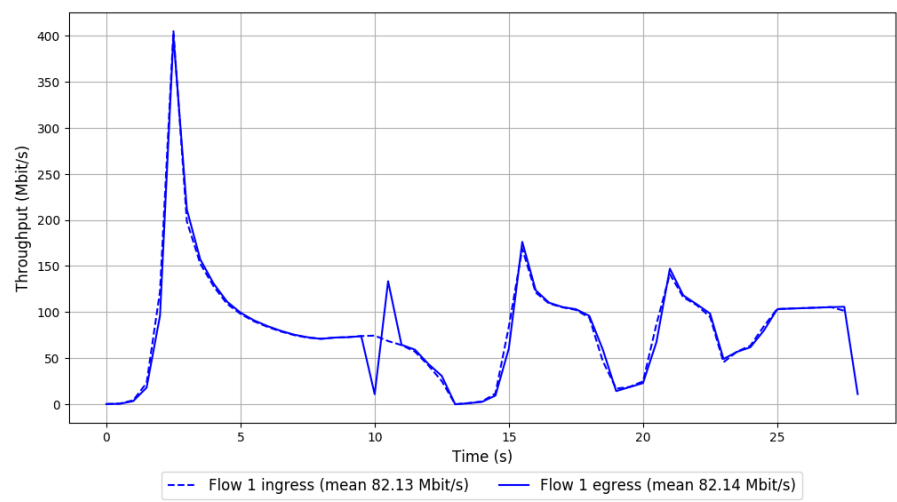


Run 6: Statistics of Copa

Start at: 2017-11-21 04:12:53
End at: 2017-11-21 04:13:23
Local clock offset: -0.005 ms
Remote clock offset: -16.063 ms

Below is generated by plot.py at 2017-11-21 06:35:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.14 Mbit/s
95th percentile per-packet one-way delay: 73.397 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.14 Mbit/s
95th percentile per-packet one-way delay: 73.397 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

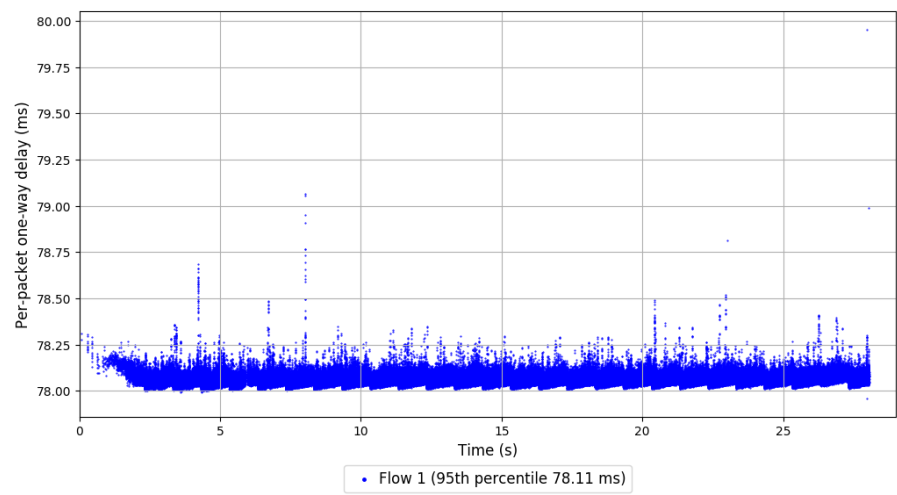
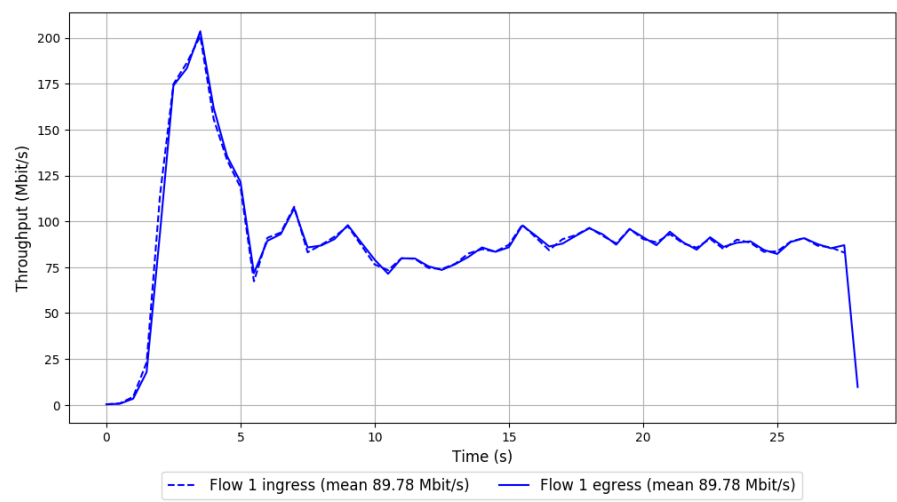


Run 7: Statistics of Copa

Start at: 2017-11-21 04:31:07
End at: 2017-11-21 04:31:37
Local clock offset: 0.081 ms
Remote clock offset: -11.73 ms

Below is generated by plot.py at 2017-11-21 06:36:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.78 Mbit/s
95th percentile per-packet one-way delay: 78.110 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.78 Mbit/s
95th percentile per-packet one-way delay: 78.110 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

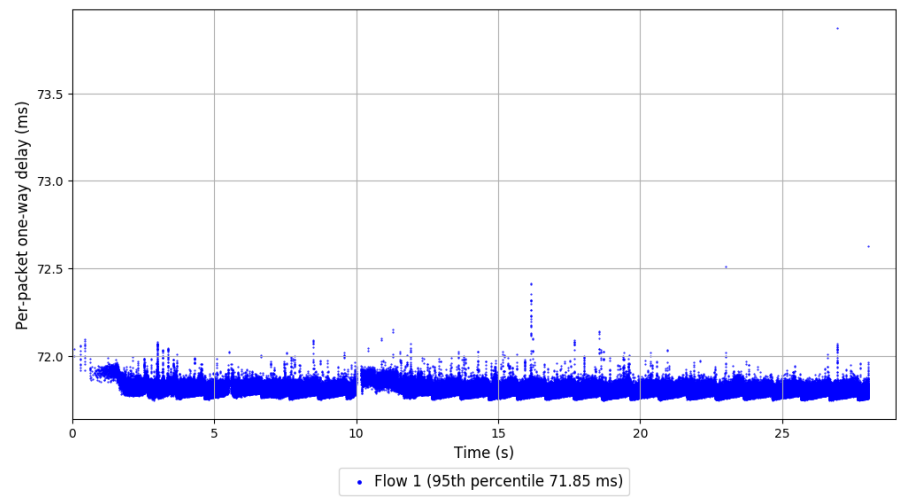
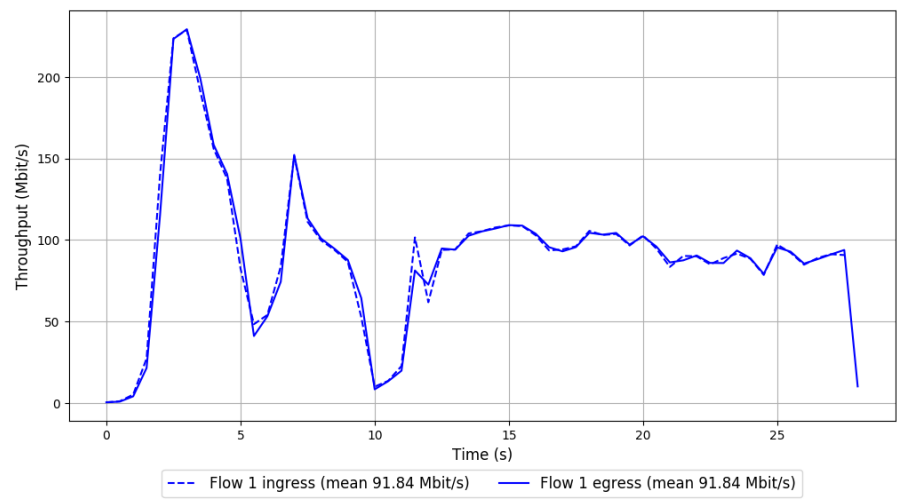


Run 8: Statistics of Copa

Start at: 2017-11-21 04:49:14
End at: 2017-11-21 04:49:44
Local clock offset: 0.083 ms
Remote clock offset: -16.288 ms

Below is generated by plot.py at 2017-11-21 06:36:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.84 Mbit/s
95th percentile per-packet one-way delay: 71.850 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.84 Mbit/s
95th percentile per-packet one-way delay: 71.850 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

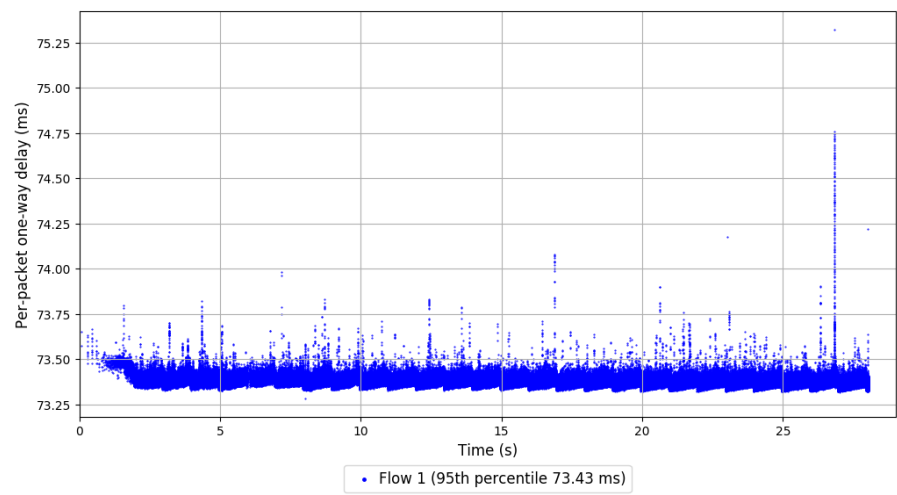
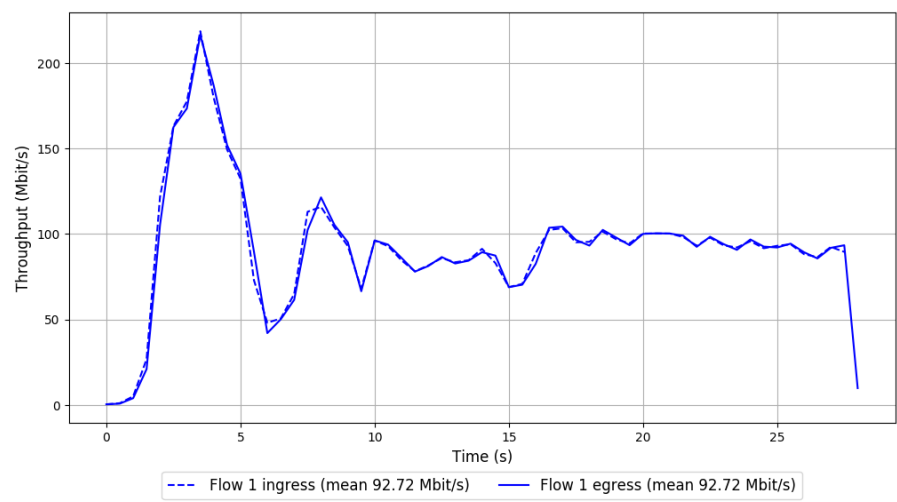


Run 9: Statistics of Copa

Start at: 2017-11-21 05:07:31
End at: 2017-11-21 05:08:01
Local clock offset: 0.048 ms
Remote clock offset: -16.114 ms

Below is generated by plot.py at 2017-11-21 06:36:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.72 Mbit/s
95th percentile per-packet one-way delay: 73.427 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.72 Mbit/s
95th percentile per-packet one-way delay: 73.427 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

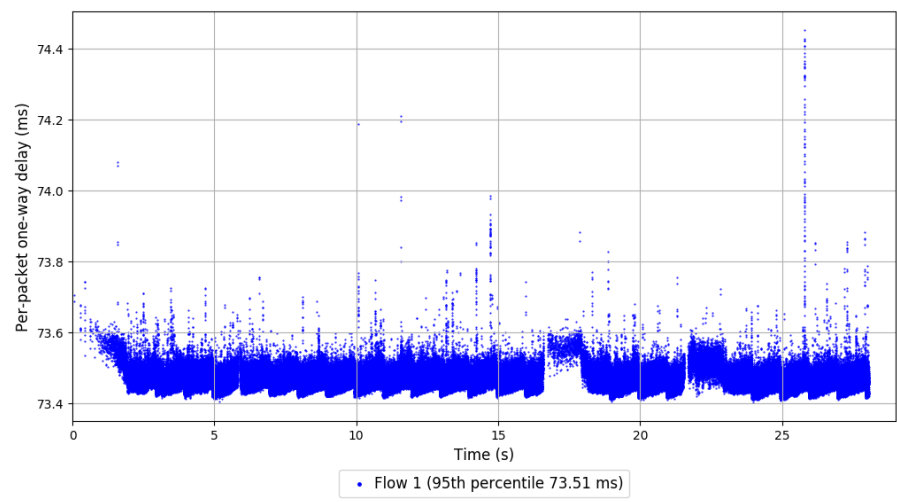
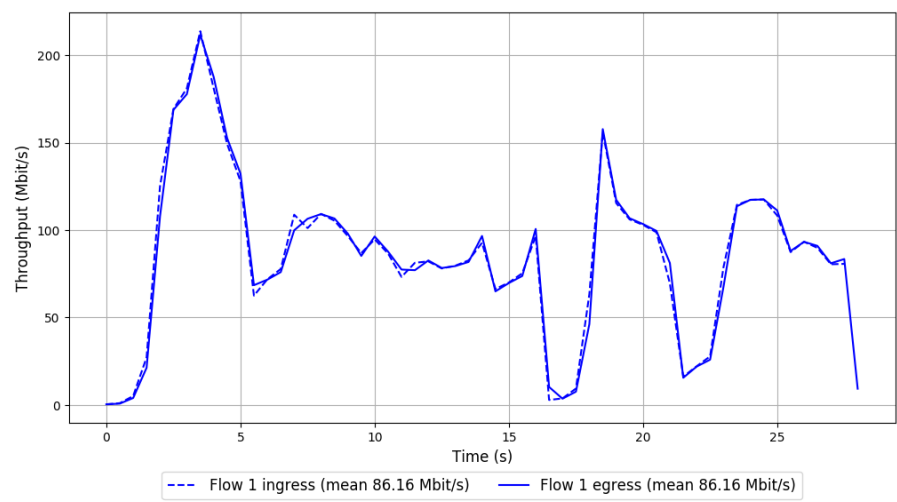


Run 10: Statistics of Copa

Start at: 2017-11-21 05:25:44
End at: 2017-11-21 05:26:14
Local clock offset: 0.033 ms
Remote clock offset: -15.533 ms

Below is generated by plot.py at 2017-11-21 06:36:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.16 Mbit/s
95th percentile per-packet one-way delay: 73.511 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.16 Mbit/s
95th percentile per-packet one-way delay: 73.511 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of Indigo

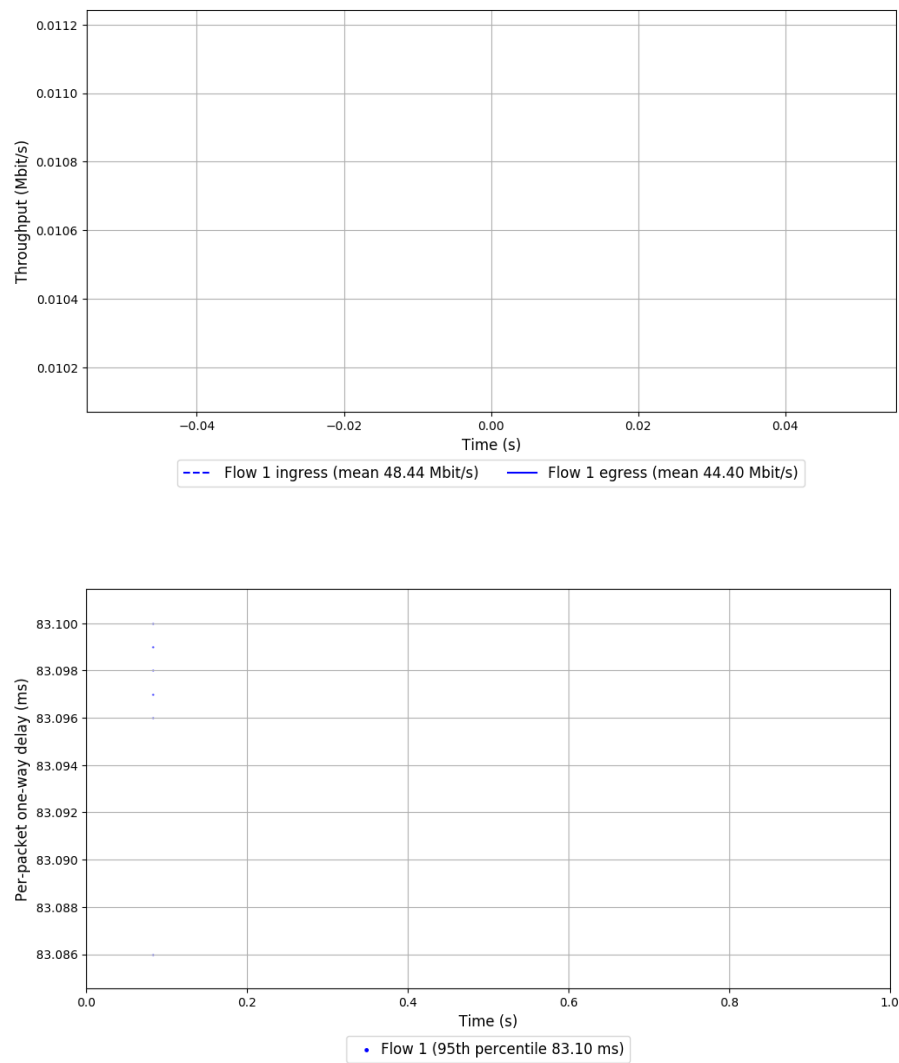
Start at: 2017-11-21 02:42:13

End at: 2017-11-21 02:42:43

Local clock offset: -0.111 ms

Remote clock offset: -3.782 ms

Run 1: Report of Indigo — Data Link

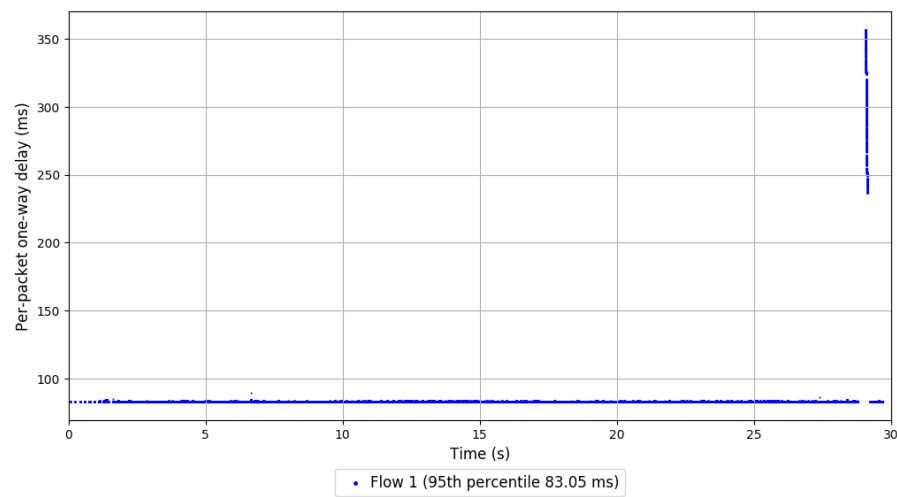
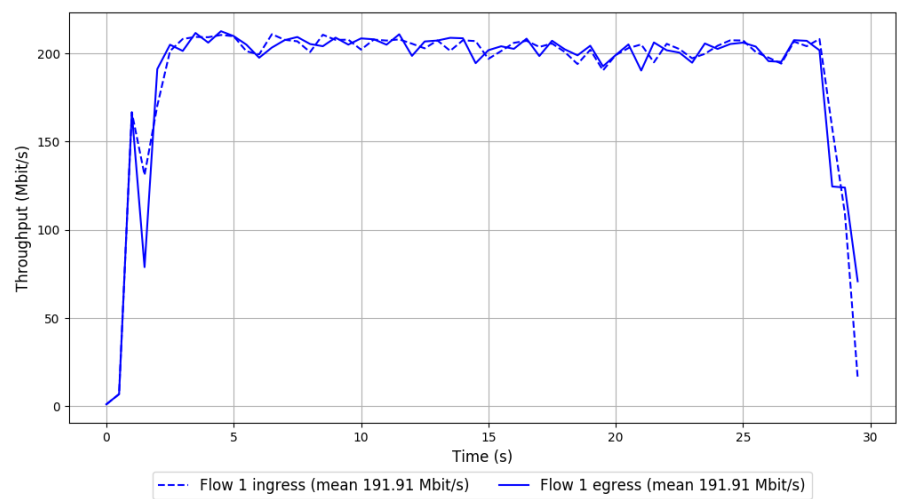


Run 2: Statistics of Indigo

Start at: 2017-11-21 02:59:59
End at: 2017-11-21 03:00:29
Local clock offset: -0.127 ms
Remote clock offset: -4.717 ms

Below is generated by plot.py at 2017-11-21 06:37:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 191.91 Mbit/s
95th percentile per-packet one-way delay: 83.045 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 191.91 Mbit/s
95th percentile per-packet one-way delay: 83.045 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

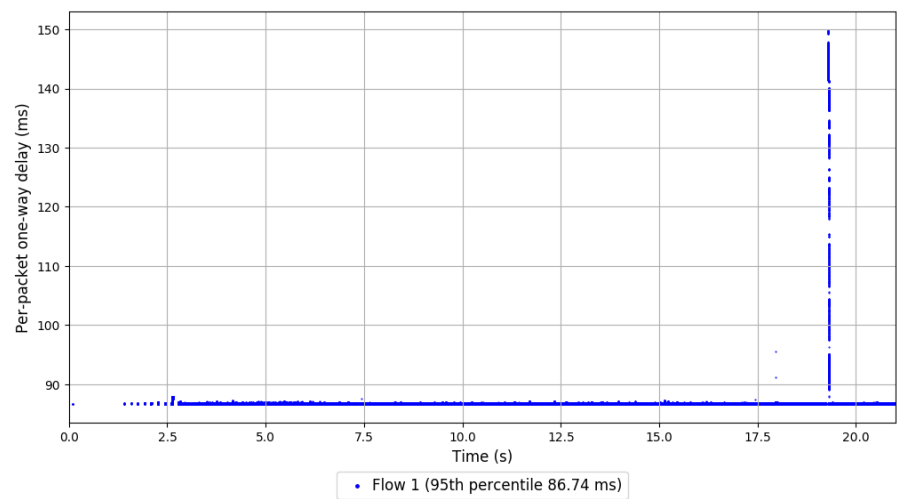
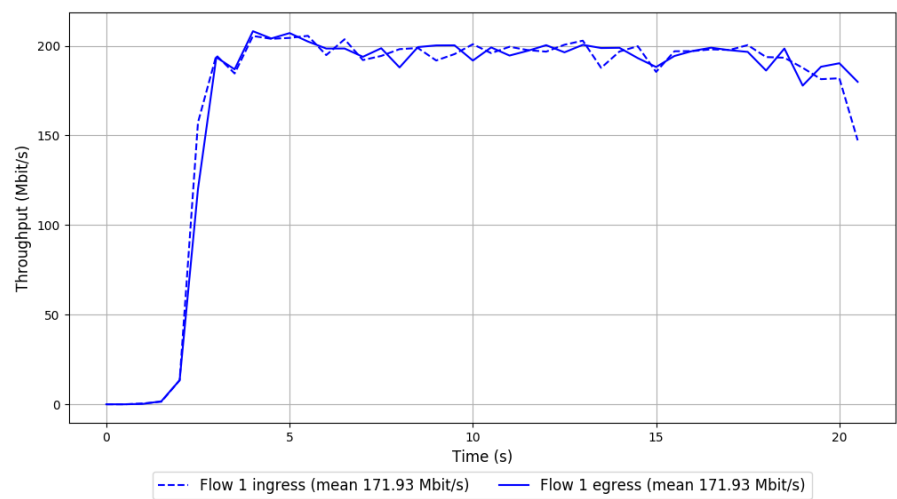
Start at: 2017-11-21 03:18:03

End at: 2017-11-21 03:18:33

Local clock offset: -0.037 ms

Remote clock offset: -0.623 ms

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

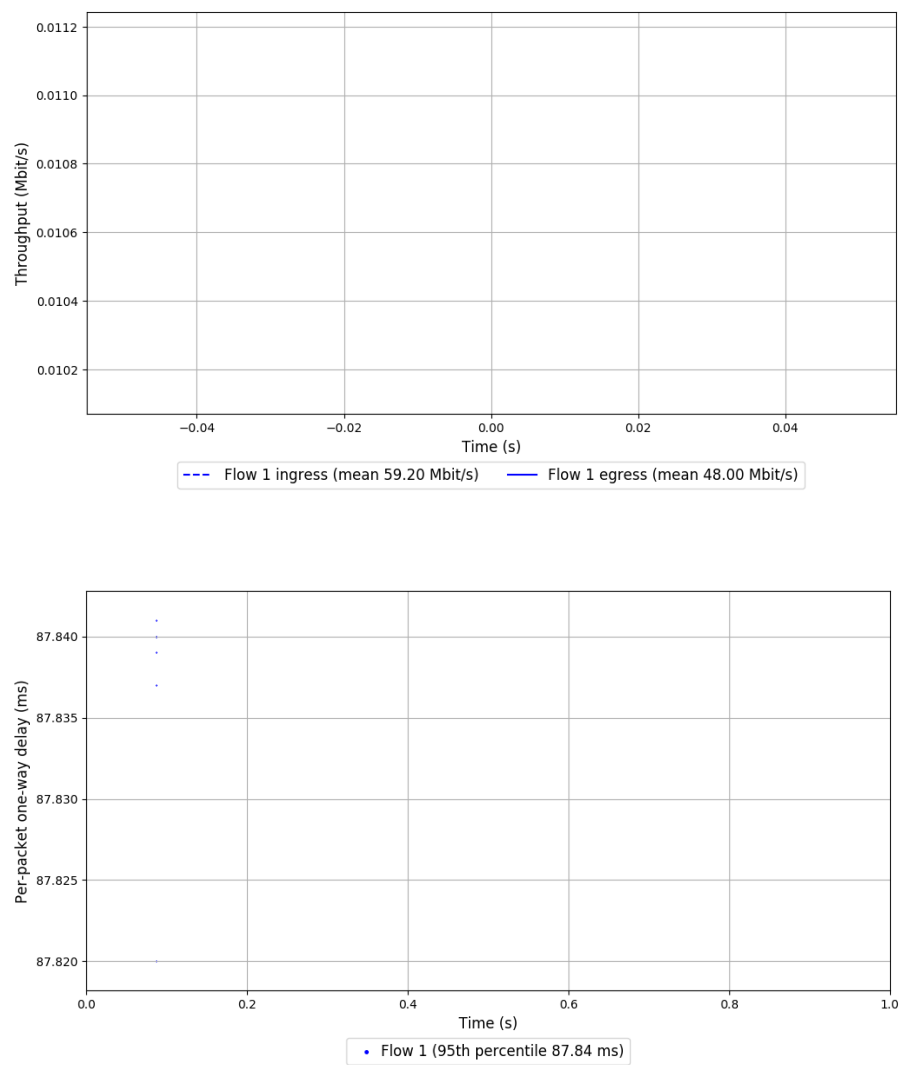
Start at: 2017-11-21 03:36:07

End at: 2017-11-21 03:36:38

Local clock offset: -0.012 ms

Remote clock offset: -1.289 ms

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

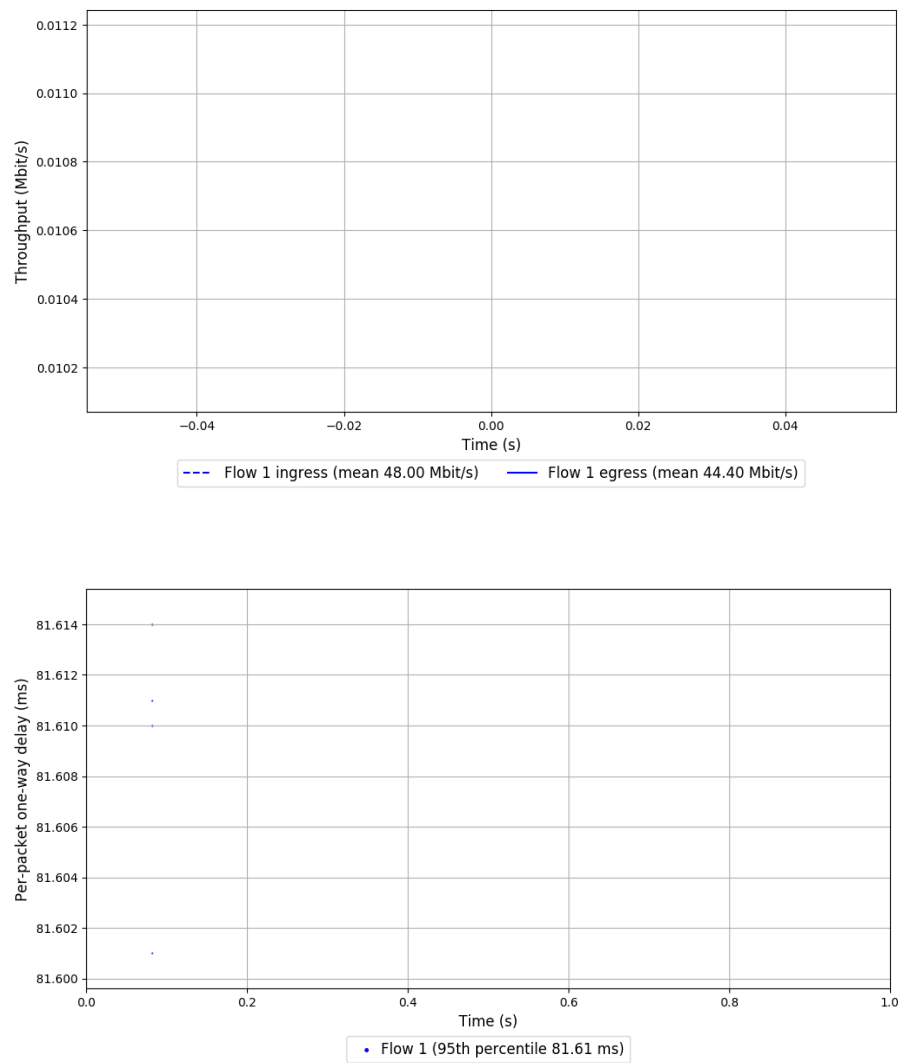
Start at: 2017-11-21 03:53:52

End at: 2017-11-21 03:54:22

Local clock offset: 0.027 ms

Remote clock offset: -6.347 ms

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

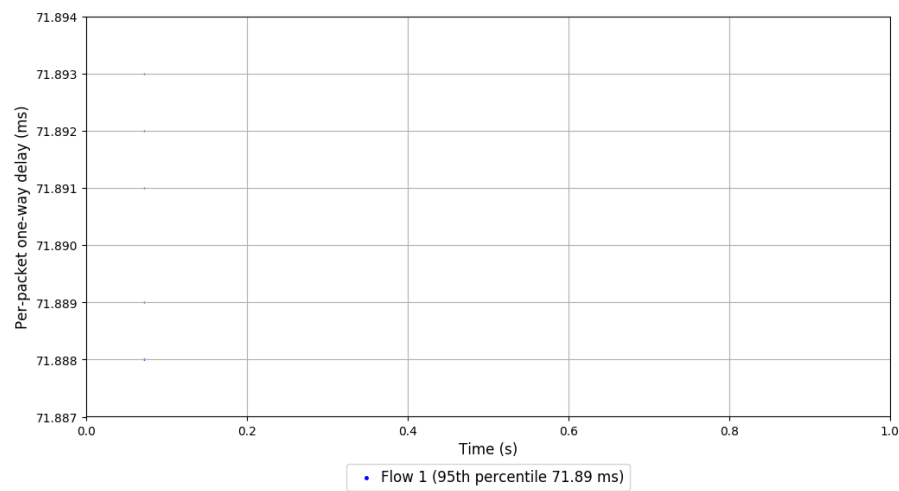
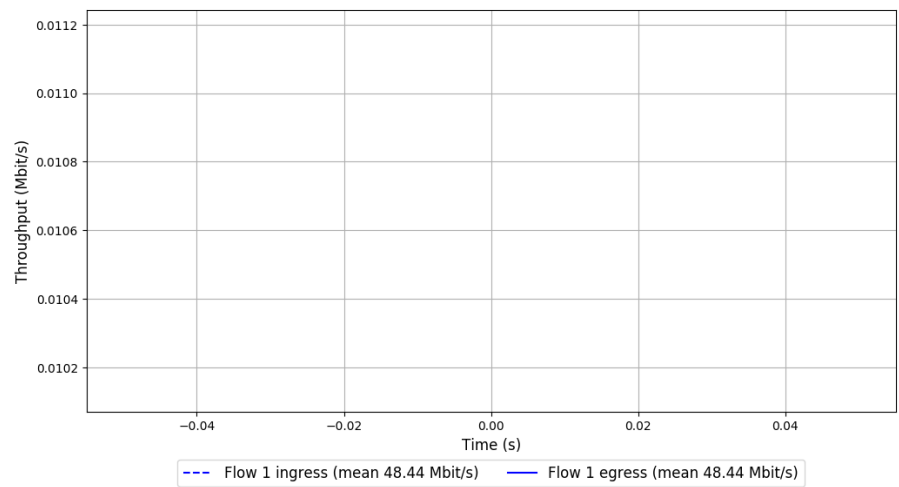
Start at: 2017-11-21 04:11:43

End at: 2017-11-21 04:12:13

Local clock offset: 0.054 ms

Remote clock offset: -15.92 ms

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

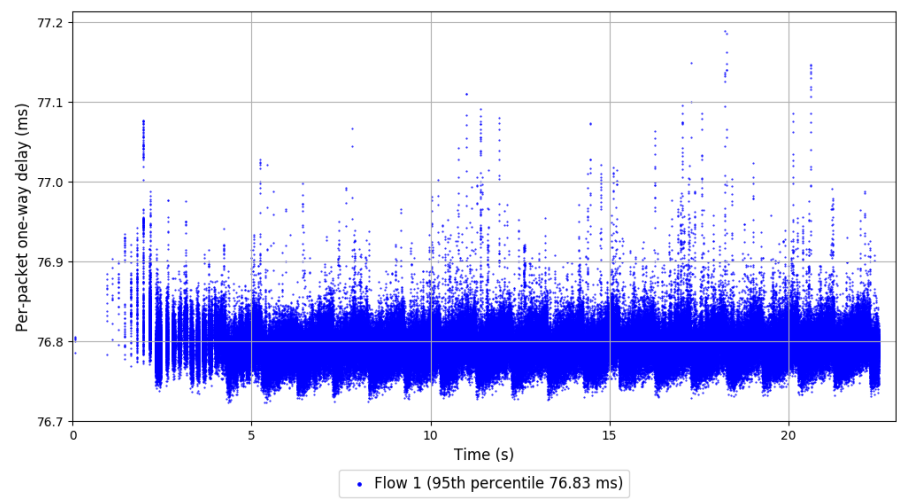
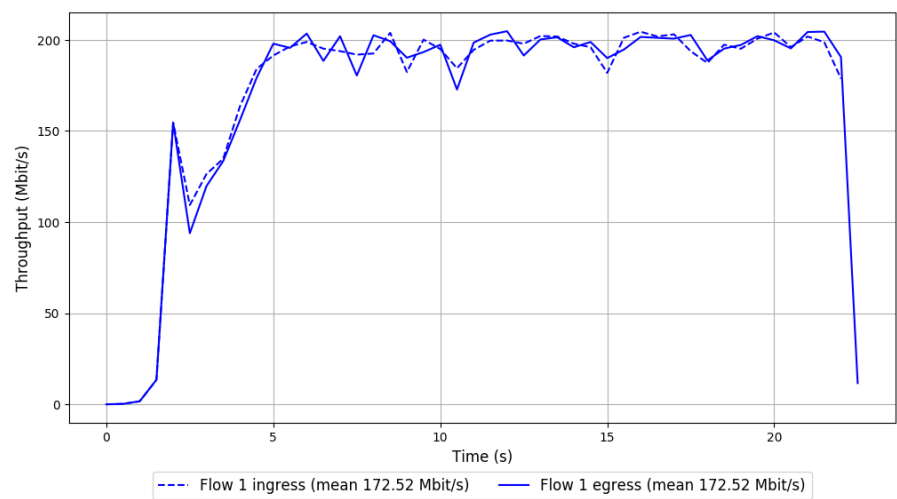
Start at: 2017-11-21 04:29:48

End at: 2017-11-21 04:30:18

Local clock offset: 0.029 ms

Remote clock offset: -11.466 ms

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

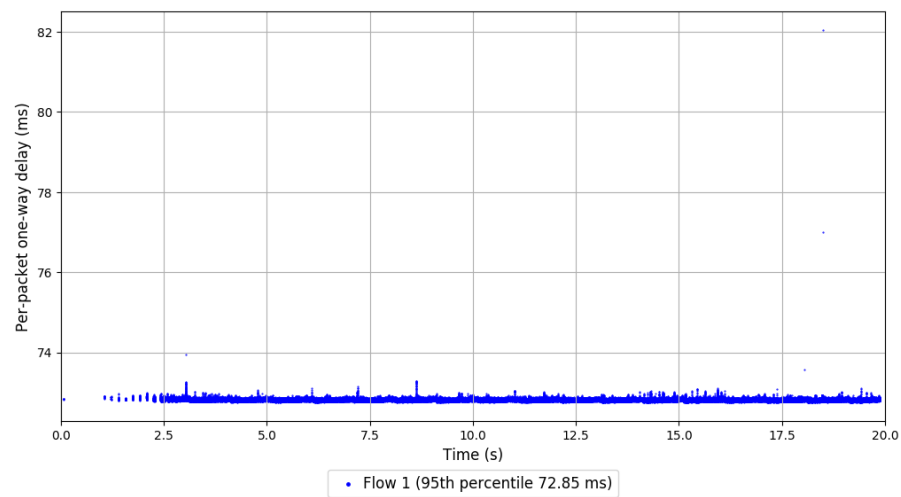
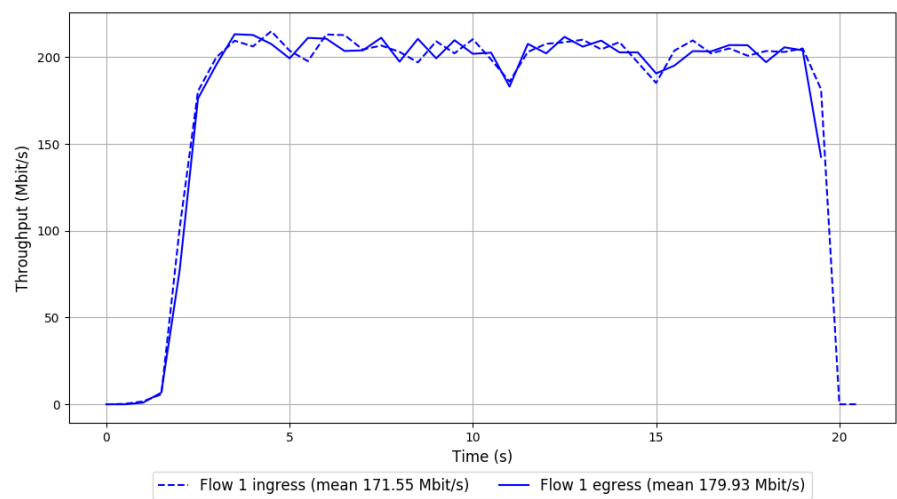
Start at: 2017-11-21 04:47:54

End at: 2017-11-21 04:48:24

Local clock offset: -0.013 ms

Remote clock offset: -16.358 ms

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

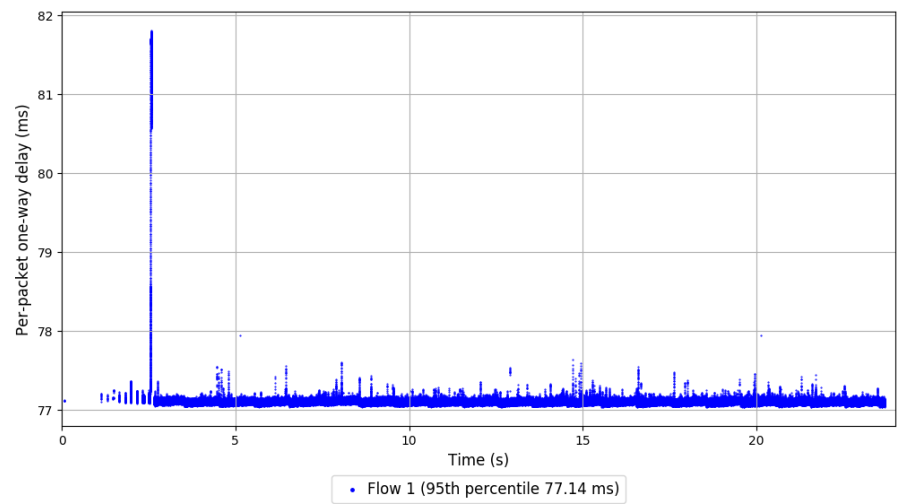
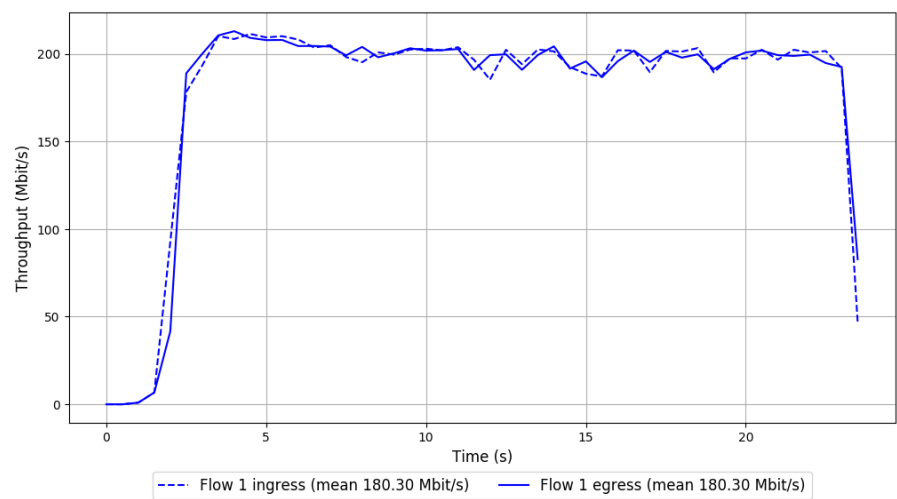
Start at: 2017-11-21 05:06:12

End at: 2017-11-21 05:06:42

Local clock offset: 0.066 ms

Remote clock offset: -11.23 ms

Run 9: Report of Indigo — Data Link

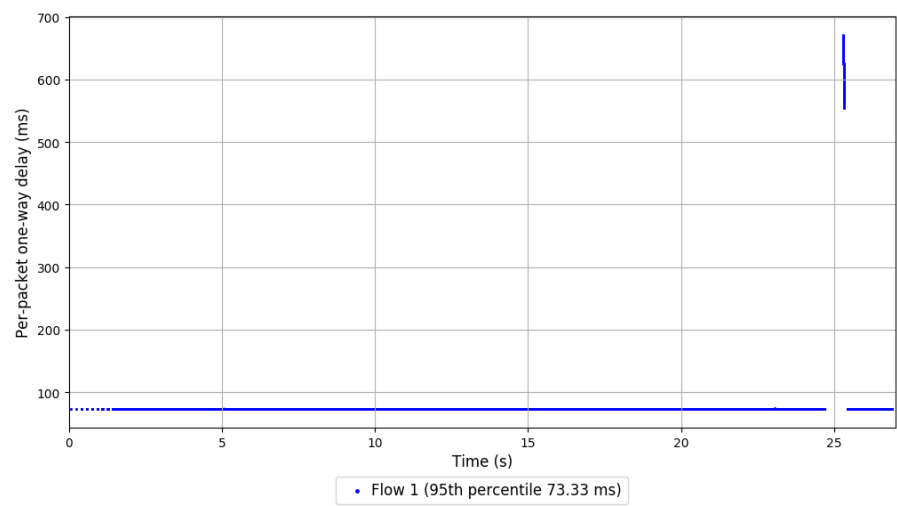
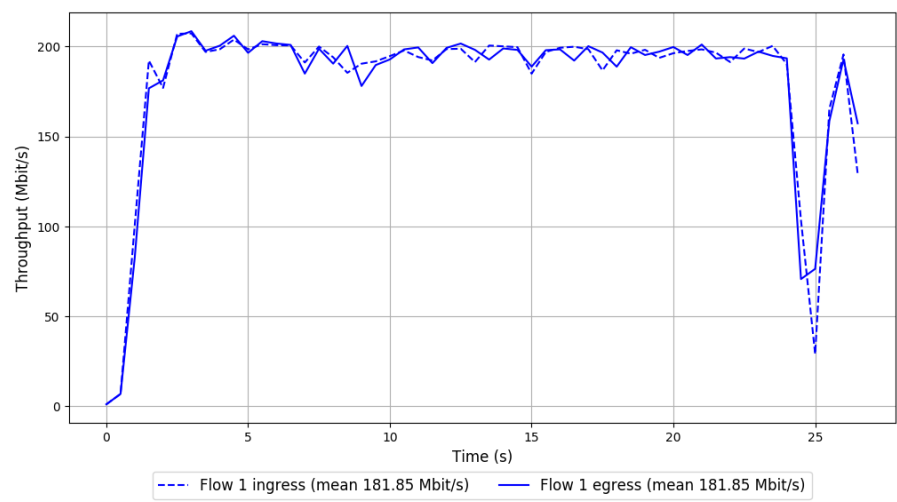


Run 10: Statistics of Indigo

Start at: 2017-11-21 05:24:24
End at: 2017-11-21 05:24:54
Local clock offset: -0.039 ms
Remote clock offset: -15.625 ms

Below is generated by plot.py at 2017-11-21 06:38:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 181.85 Mbit/s
95th percentile per-packet one-way delay: 73.331 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 181.85 Mbit/s
95th percentile per-packet one-way delay: 73.331 ms
Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

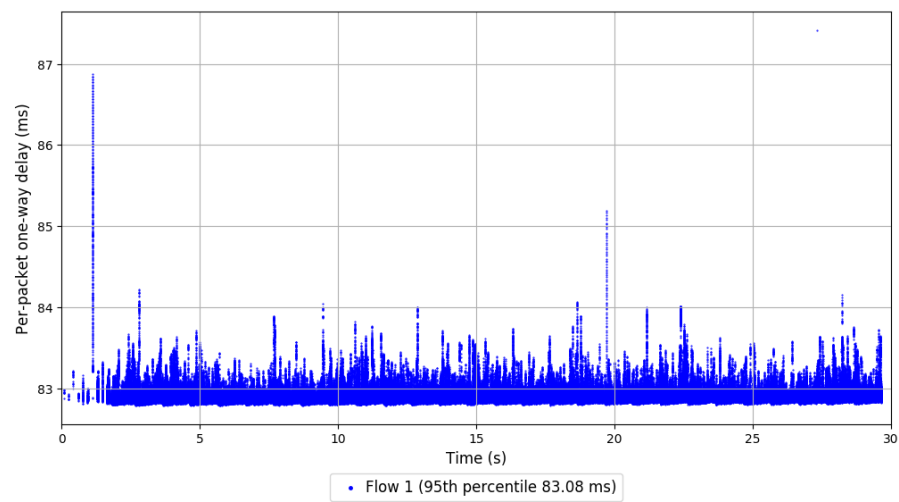
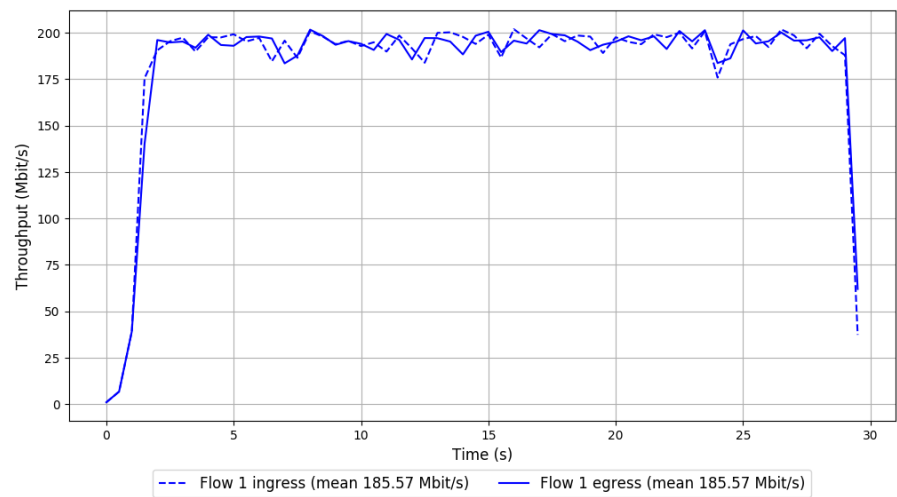


```
Run 1: Statistics of Indigo-calib

Start at: 2017-11-21 02:28:01
End at: 2017-11-21 02:28:31
Local clock offset: -0.139 ms
Remote clock offset: -3.156 ms

# Below is generated by plot.py at 2017-11-21 06:39:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 185.57 Mbit/s
95th percentile per-packet one-way delay: 83.080 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 185.57 Mbit/s
95th percentile per-packet one-way delay: 83.080 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-calib — Data Link

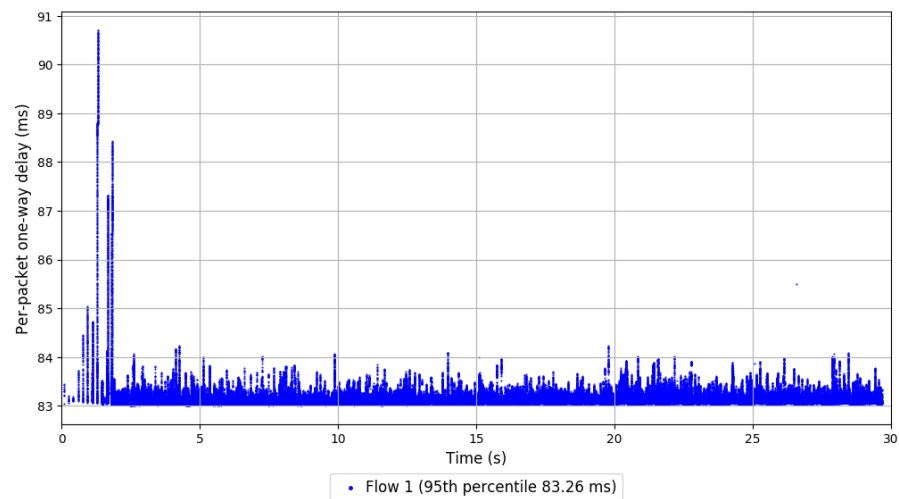
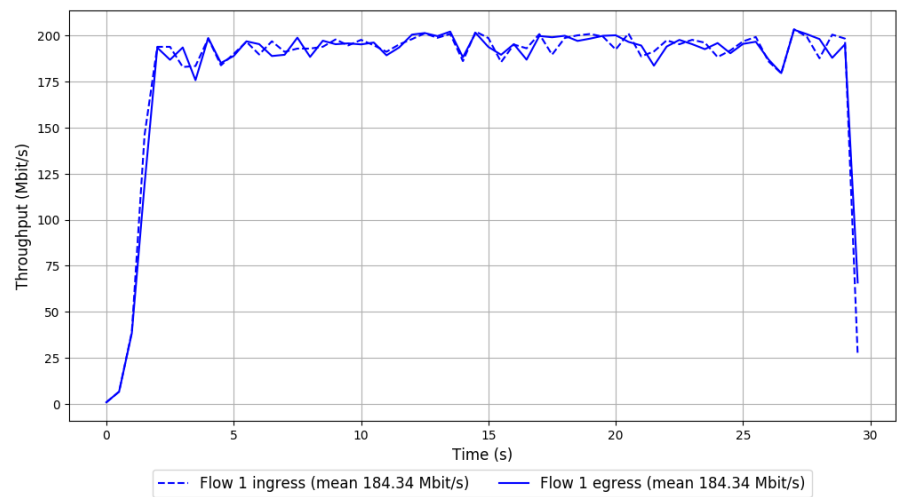


Run 2: Statistics of Indigo-calib

Start at: 2017-11-21 02:45:49
End at: 2017-11-21 02:46:19
Local clock offset: -0.079 ms
Remote clock offset: -3.938 ms

Below is generated by plot.py at 2017-11-21 06:39:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 184.34 Mbit/s
95th percentile per-packet one-way delay: 83.262 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 184.34 Mbit/s
95th percentile per-packet one-way delay: 83.262 ms
Loss rate: 0.00%

Run 2: Report of Indigo-calib — Data Link

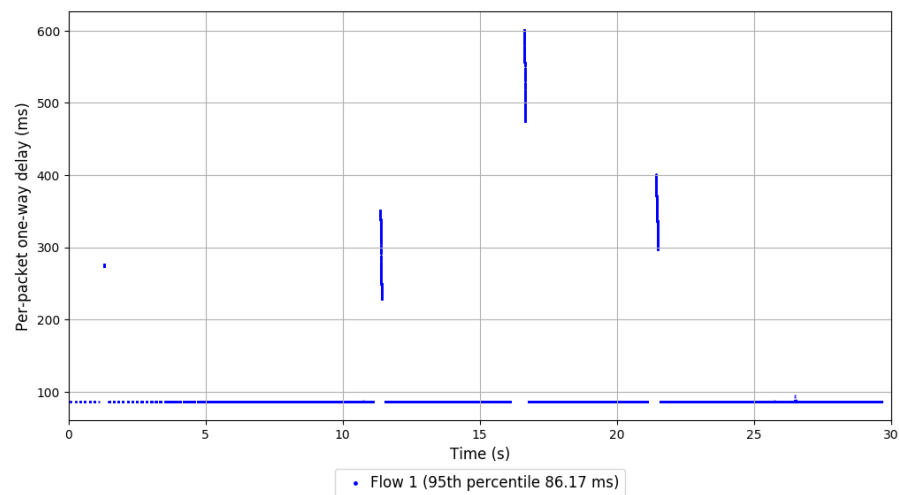
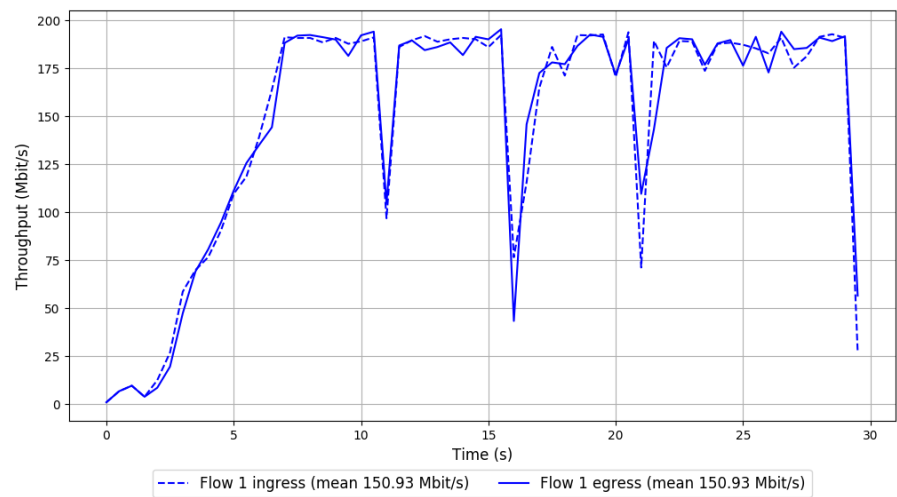


Run 3: Statistics of Indigo-calib

Start at: 2017-11-21 03:03:50
End at: 2017-11-21 03:04:20
Local clock offset: -0.118 ms
Remote clock offset: -0.134 ms

Below is generated by plot.py at 2017-11-21 06:39:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 150.93 Mbit/s
95th percentile per-packet one-way delay: 86.169 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 150.93 Mbit/s
95th percentile per-packet one-way delay: 86.169 ms
Loss rate: 0.00%

Run 3: Report of Indigo-calib — Data Link

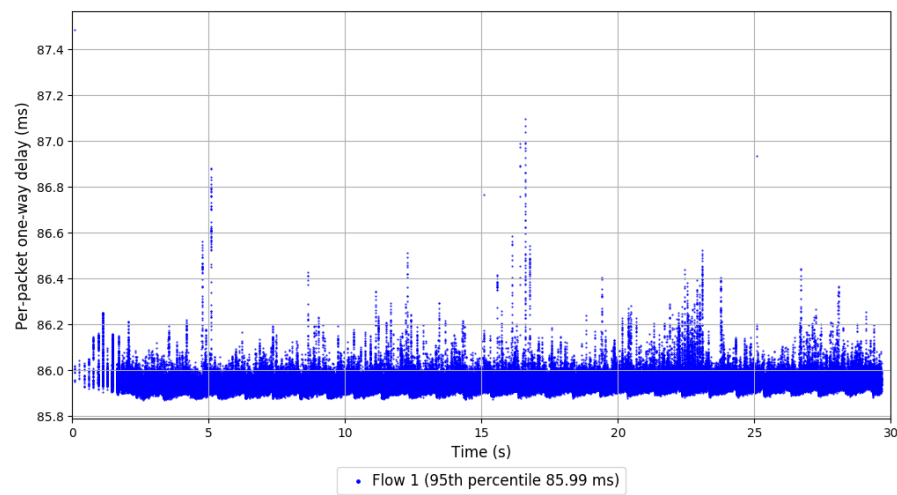
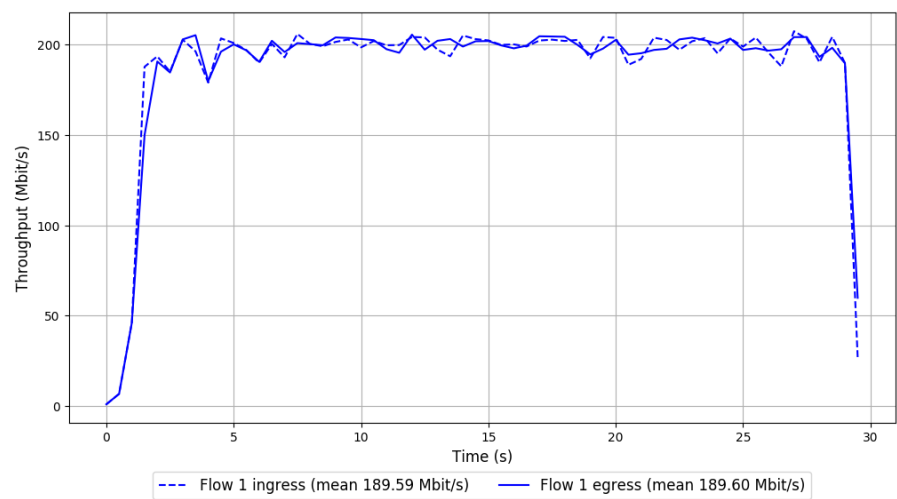


Run 4: Statistics of Indigo-calib

Start at: 2017-11-21 03:21:50
End at: 2017-11-21 03:22:20
Local clock offset: -0.008 ms
Remote clock offset: -0.746 ms

Below is generated by plot.py at 2017-11-21 06:40:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 189.60 Mbit/s
95th percentile per-packet one-way delay: 85.991 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 189.60 Mbit/s
95th percentile per-packet one-way delay: 85.991 ms
Loss rate: 0.00%

Run 4: Report of Indigo-calib — Data Link



Run 5: Statistics of Indigo-calib

Start at: 2017-11-21 03:39:44

End at: 2017-11-21 03:40:14

Local clock offset: -0.005 ms

Remote clock offset: -1.291 ms

Below is generated by plot.py at 2017-11-21 06:40:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.42 Mbit/s

95th percentile per-packet one-way delay: 87.770 ms

Loss rate: 0.00%

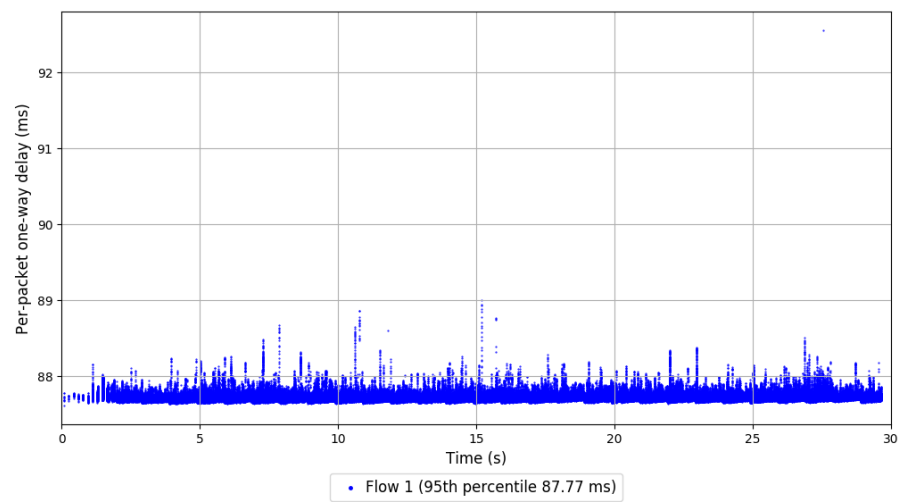
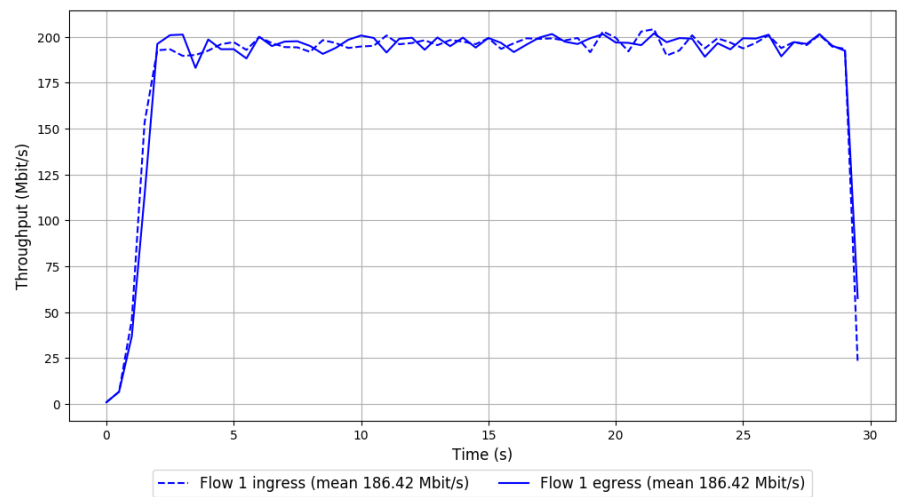
-- Flow 1:

Average throughput: 186.42 Mbit/s

95th percentile per-packet one-way delay: 87.770 ms

Loss rate: 0.00%

Run 5: Report of Indigo-calib — Data Link



Run 6: Statistics of Indigo-calib

Start at: 2017-11-21 03:57:28

End at: 2017-11-21 03:57:58

Local clock offset: 0.063 ms

Remote clock offset: -6.466 ms

Below is generated by plot.py at 2017-11-21 06:40:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 185.20 Mbit/s

95th percentile per-packet one-way delay: 81.465 ms

Loss rate: 0.00%

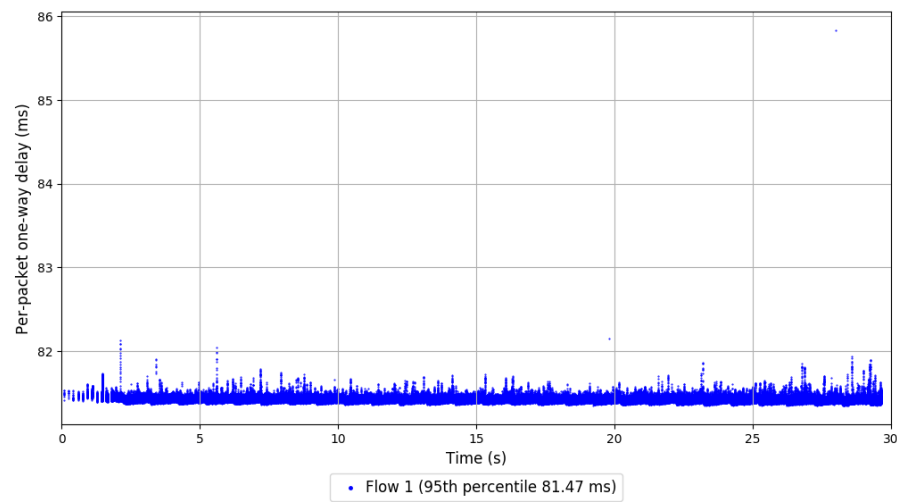
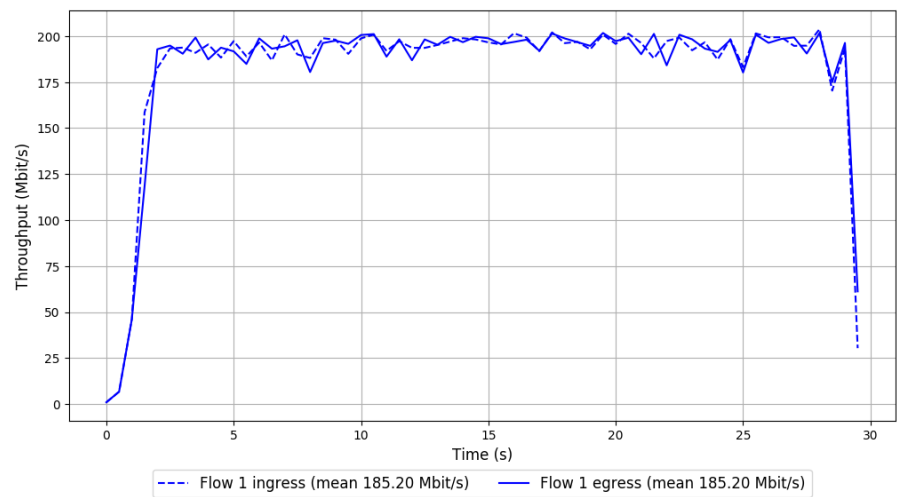
-- Flow 1:

Average throughput: 185.20 Mbit/s

95th percentile per-packet one-way delay: 81.465 ms

Loss rate: 0.00%

Run 6: Report of Indigo-calib — Data Link

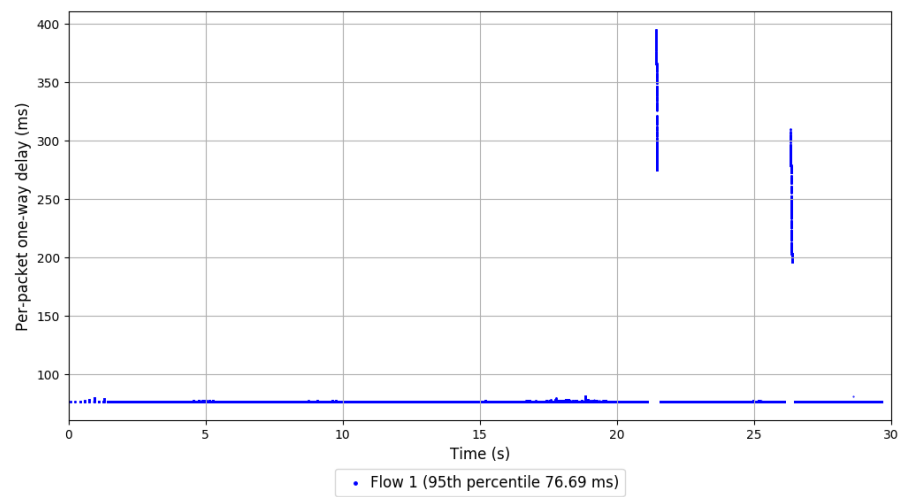
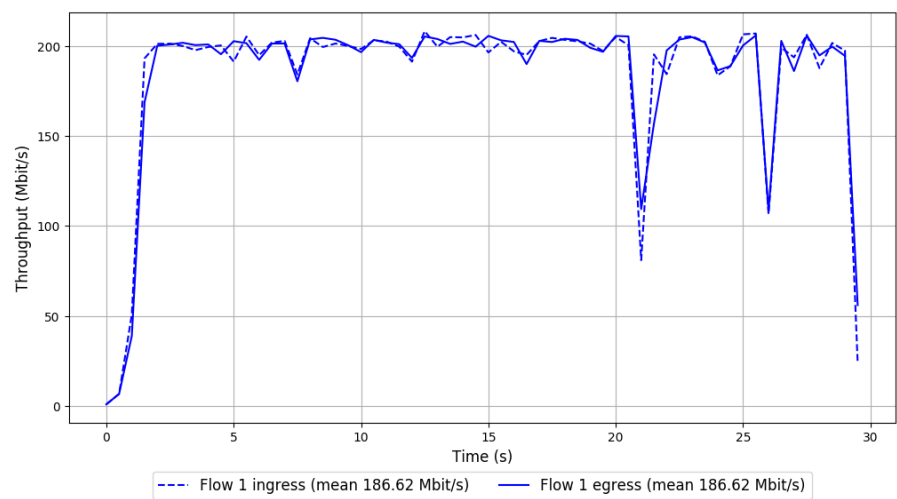


Run 7: Statistics of Indigo-calib

Start at: 2017-11-21 04:15:19
End at: 2017-11-21 04:15:49
Local clock offset: 0.049 ms
Remote clock offset: -11.321 ms

Below is generated by plot.py at 2017-11-21 06:40:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 186.62 Mbit/s
95th percentile per-packet one-way delay: 76.689 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 186.62 Mbit/s
95th percentile per-packet one-way delay: 76.689 ms
Loss rate: 0.00%

Run 7: Report of Indigo-calib — Data Link

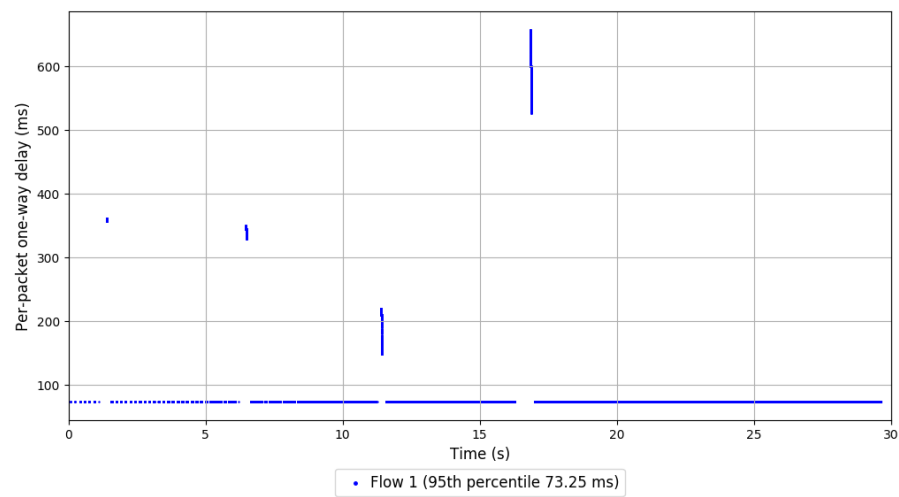
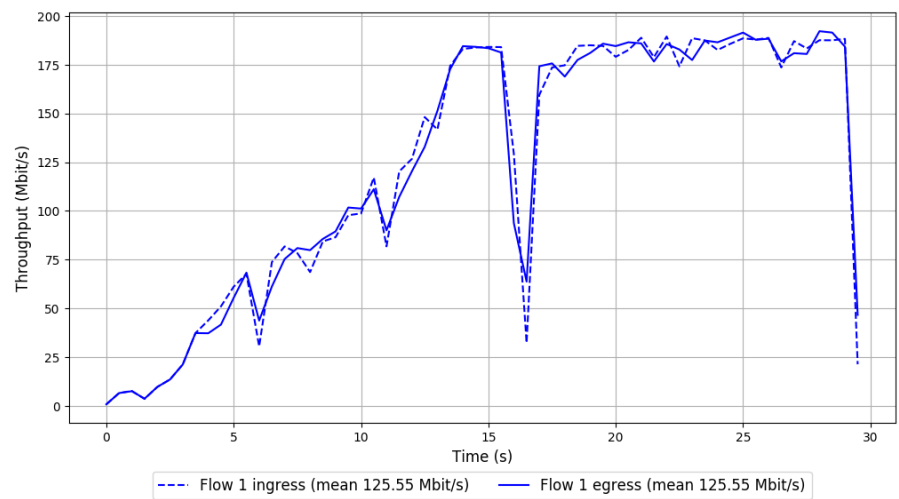


Run 8: Statistics of Indigo-calib

Start at: 2017-11-21 04:33:34
End at: 2017-11-21 04:34:04
Local clock offset: 0.073 ms
Remote clock offset: -16.676 ms

Below is generated by plot.py at 2017-11-21 06:40:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 125.55 Mbit/s
95th percentile per-packet one-way delay: 73.246 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 125.55 Mbit/s
95th percentile per-packet one-way delay: 73.246 ms
Loss rate: 0.00%

Run 8: Report of Indigo-calib — Data Link

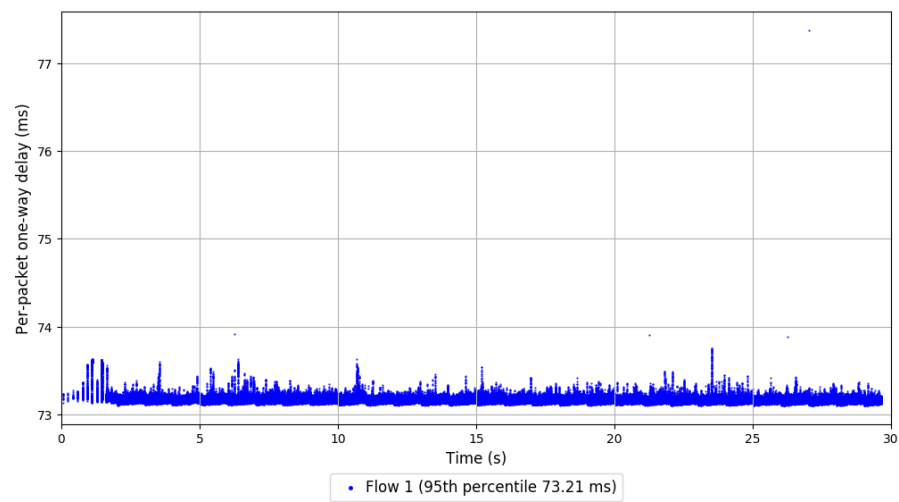
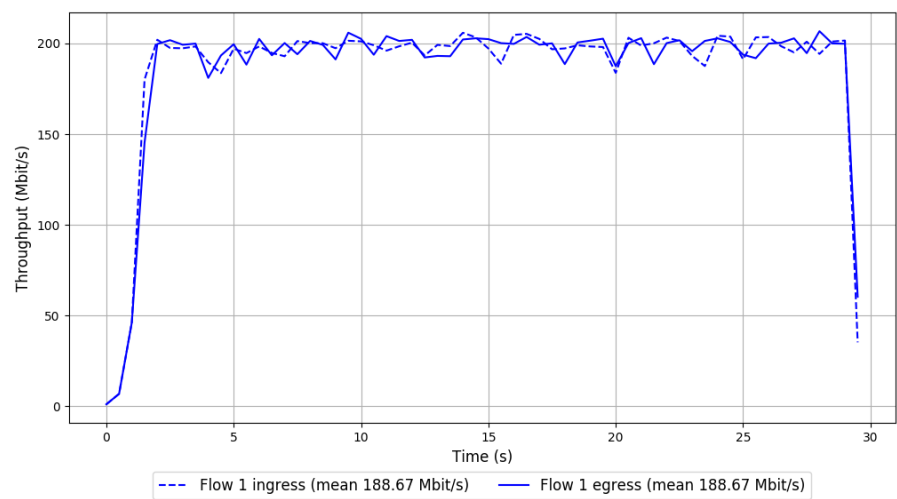


Run 9: Statistics of Indigo-calib

Start at: 2017-11-21 04:51:45
End at: 2017-11-21 04:52:15
Local clock offset: 0.041 ms
Remote clock offset: -16.437 ms

Below is generated by plot.py at 2017-11-21 06:40:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 188.67 Mbit/s
95th percentile per-packet one-way delay: 73.207 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 188.67 Mbit/s
95th percentile per-packet one-way delay: 73.207 ms
Loss rate: 0.00%

Run 9: Report of Indigo-calib — Data Link



Run 10: Statistics of Indigo-calib

Start at: 2017-11-21 05:10:01

End at: 2017-11-21 05:10:31

Local clock offset: 0.016 ms

Remote clock offset: -11.014 ms

Below is generated by plot.py at 2017-11-21 06:40:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.13 Mbit/s

95th percentile per-packet one-way delay: 78.489 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 186.13 Mbit/s

95th percentile per-packet one-way delay: 78.489 ms

Loss rate: 0.00%

Run 10: Report of Indigo-calib — Data Link

