

Pantheon Report

Generated at 2017-09-21 18:03:37 (UTC).

Data path: AWS California 1 Ethernet (*local*) → Stanford 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).

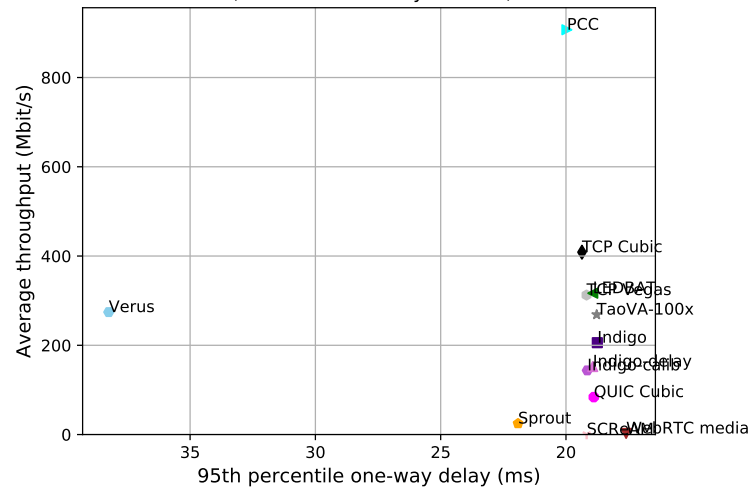
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

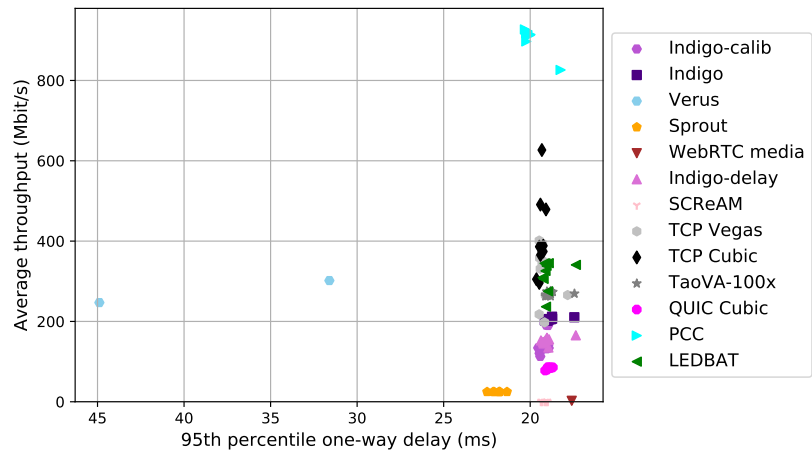
Git summary:

```
branch: indigos @ 46c7c812d4acb71eea4f5fb0b03b3657cea3062f
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906edff4876d5a7e5bfff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fabb936fdca204b80db
third_party/indigo-no-send-rate @ b39dfa6b2c5f19cb7cd89626cb4f5bb81f9fecda
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaaeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



test from AWS California 1 Ethernet to Stanford 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	0	N/A	N/A	N/A
TCP Cubic	10	408.61	19.36	0.04
LEDBAT	10	316.65	18.93	0.01
PCC	10	907.03	19.96	0.27
QUIC Cubic	10	83.92	18.89	0.00
SCReAM	8	0.22	19.17	0.00
WebRTC media	1	2.44	17.60	0.02
Sprout	7	24.73	21.91	0.01
TaoVA-100x	10	268.77	18.78	0.01
TCP Vegas	10	312.57	19.18	0.02
Verus	2	274.38	38.25	10.22
Indigo	9	205.83	18.75	0.00
Indigo-calib	10	143.77	19.15	0.00
Indigo-delay	10	152.39	18.93	0.00

Run 1: Statistics of TCP BBR

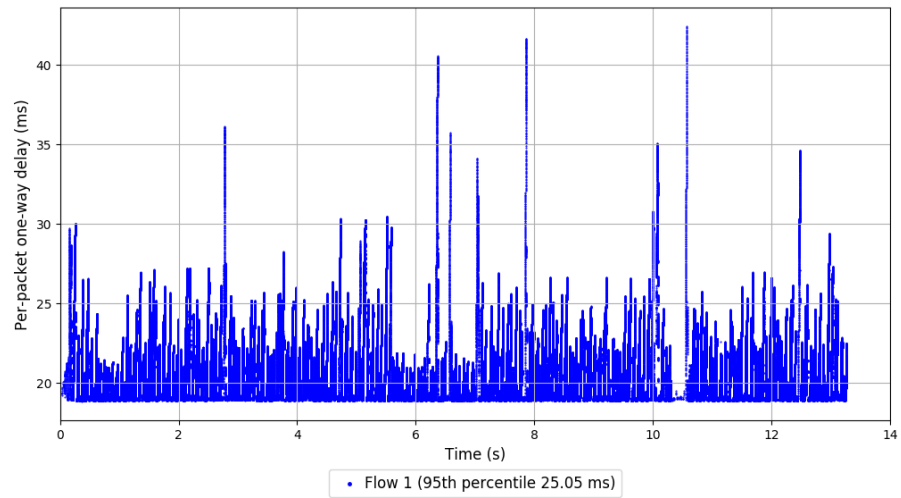
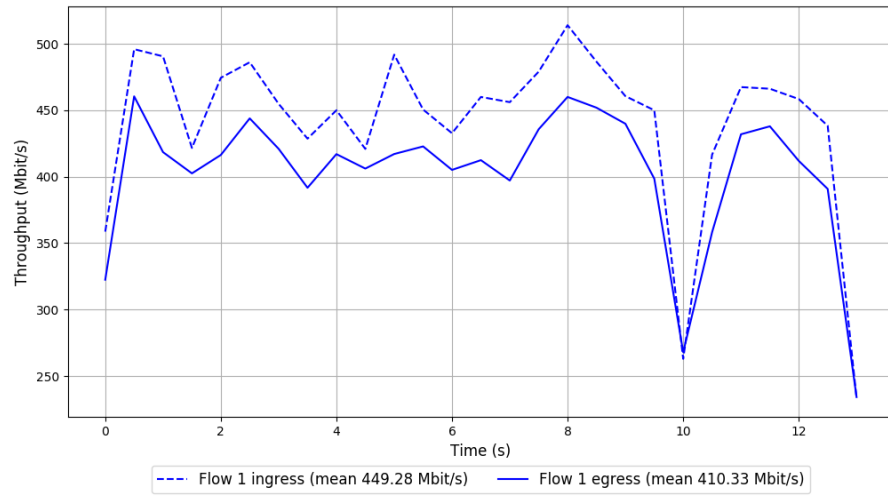
Start at: 2017-09-21 12:45:43

End at: 2017-09-21 12:46:14

Local clock offset: -0.291 ms

Remote clock offset: -1.629 ms

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

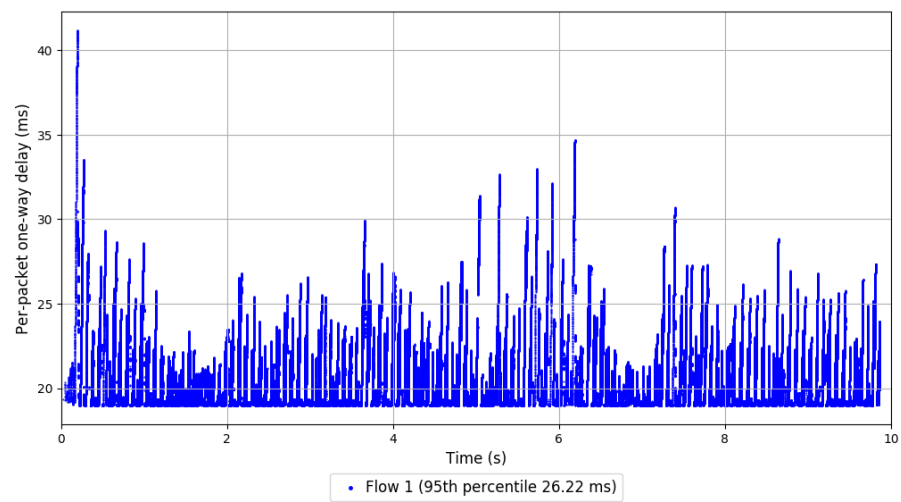
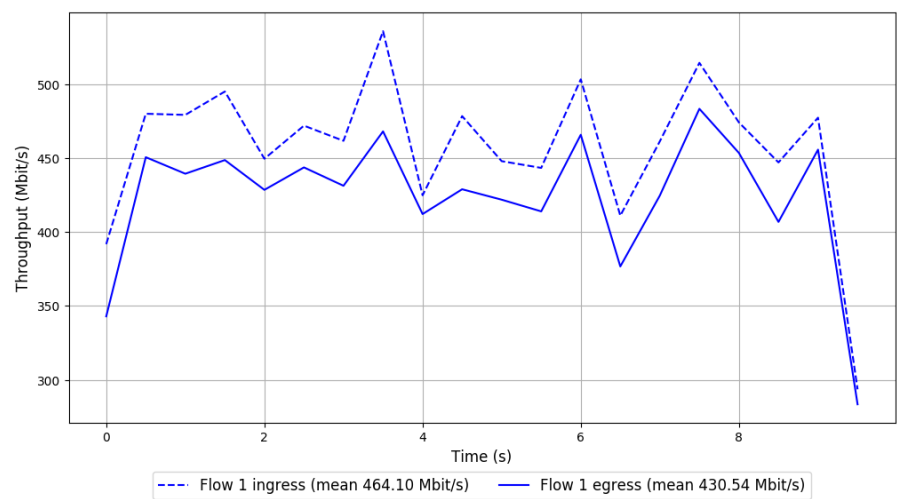
Start at: 2017-09-21 13:04:26

End at: 2017-09-21 13:04:56

Local clock offset: -0.531 ms

Remote clock offset: -1.706 ms

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

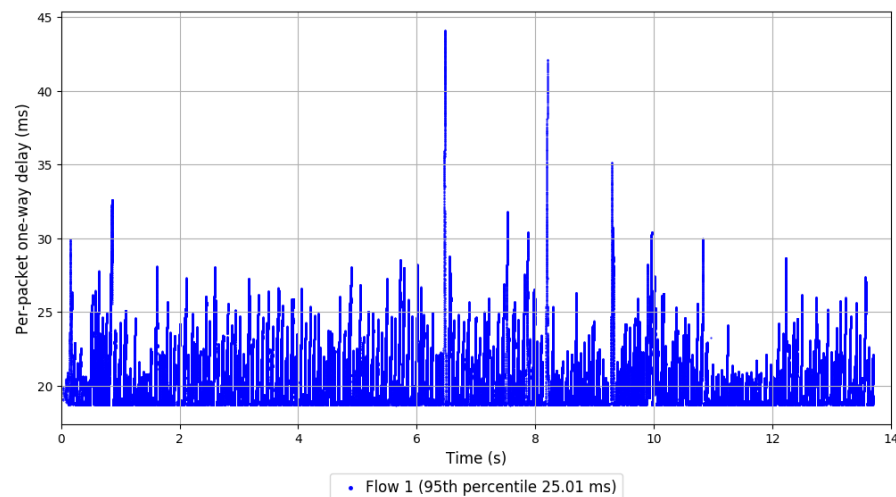
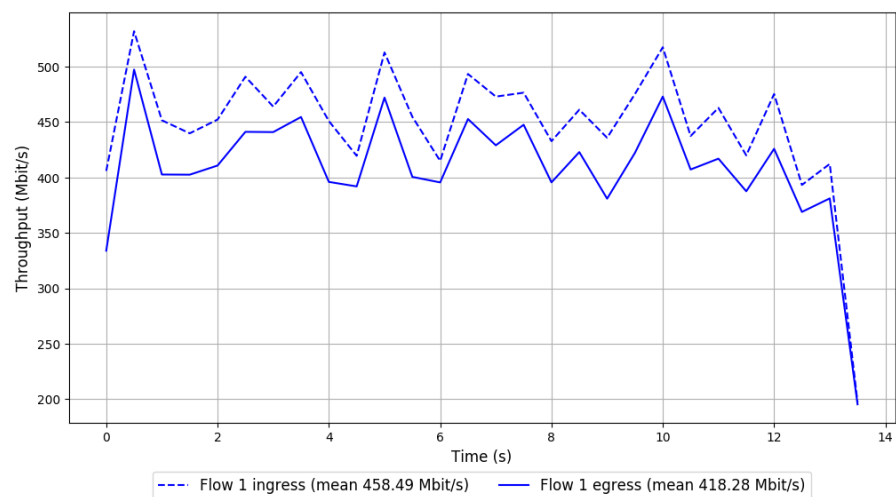
Start at: 2017-09-21 13:23:17

End at: 2017-09-21 13:23:47

Local clock offset: -0.704 ms

Remote clock offset: -2.224 ms

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

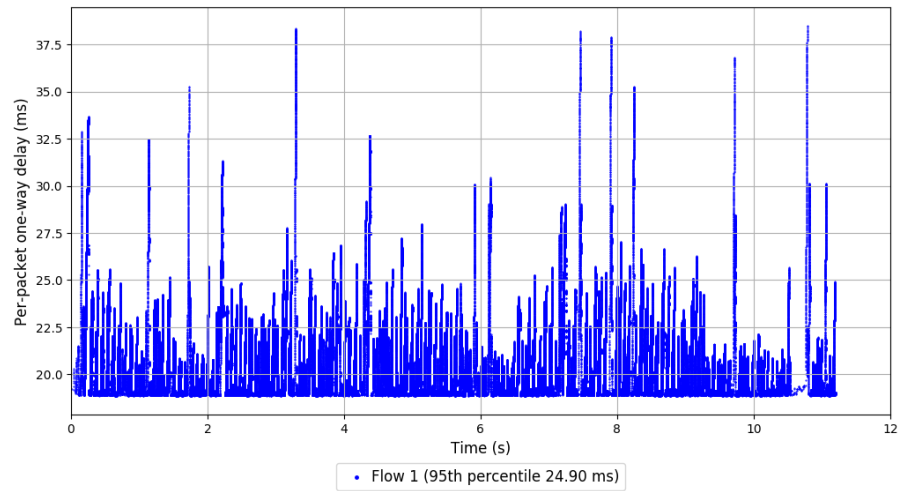
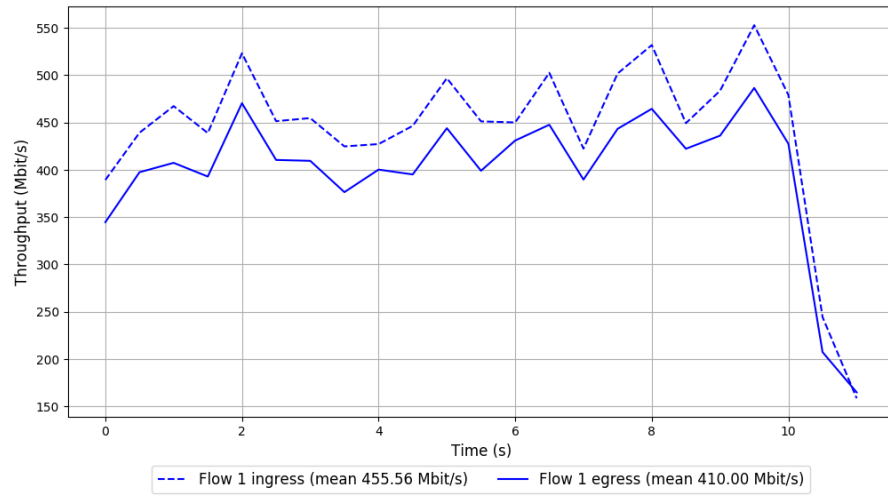
Start at: 2017-09-21 13:41:52

End at: 2017-09-21 13:42:22

Local clock offset: -0.641 ms

Remote clock offset: -2.35 ms

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

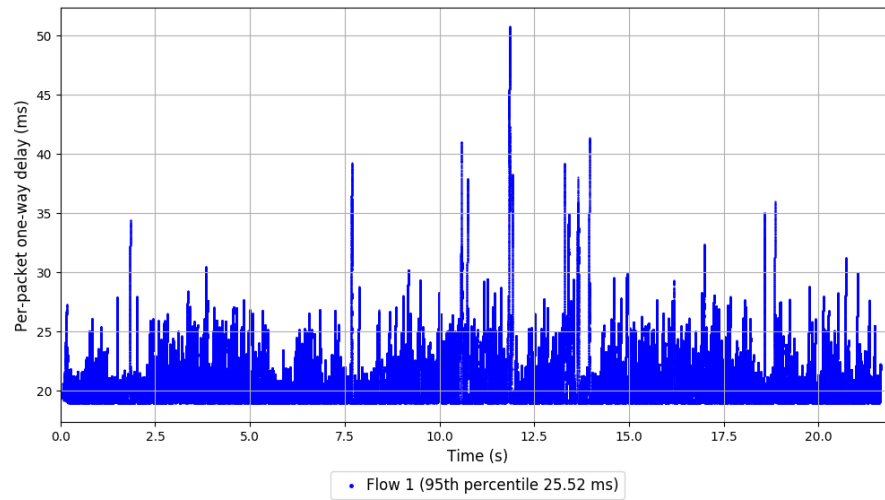
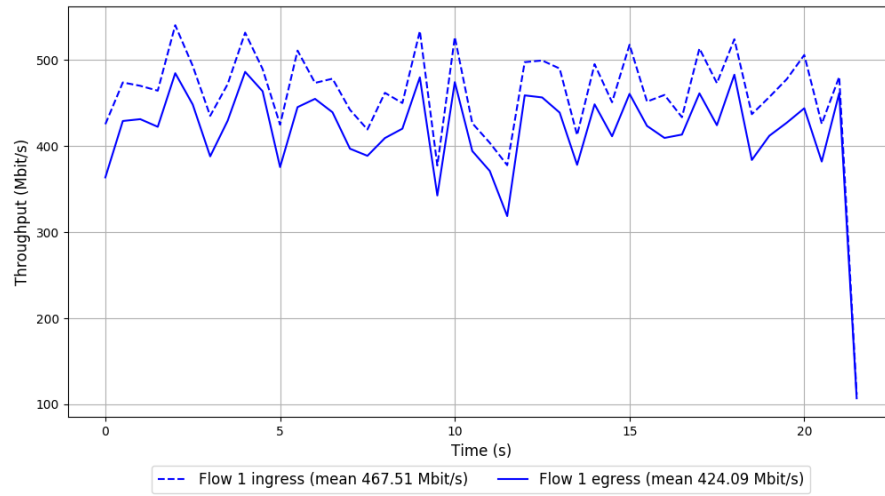
Start at: 2017-09-21 14:00:35

End at: 2017-09-21 14:01:05

Local clock offset: -0.589 ms

Remote clock offset: -2.454 ms

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

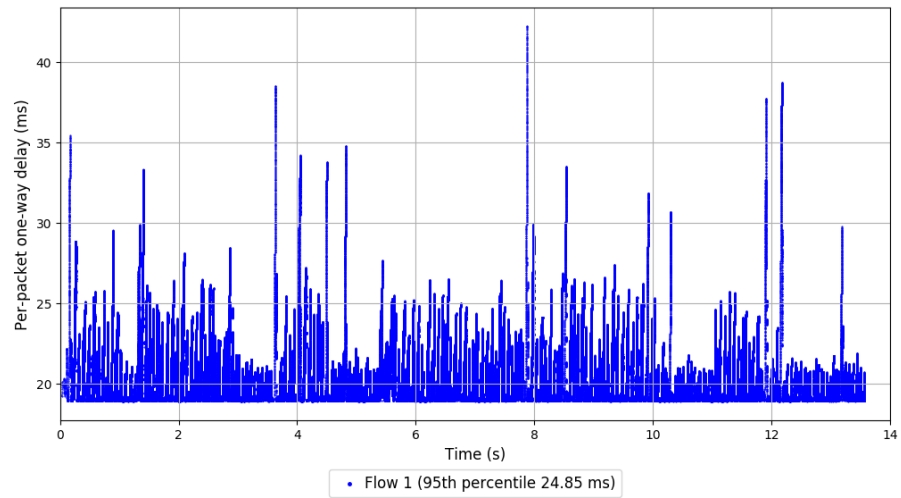
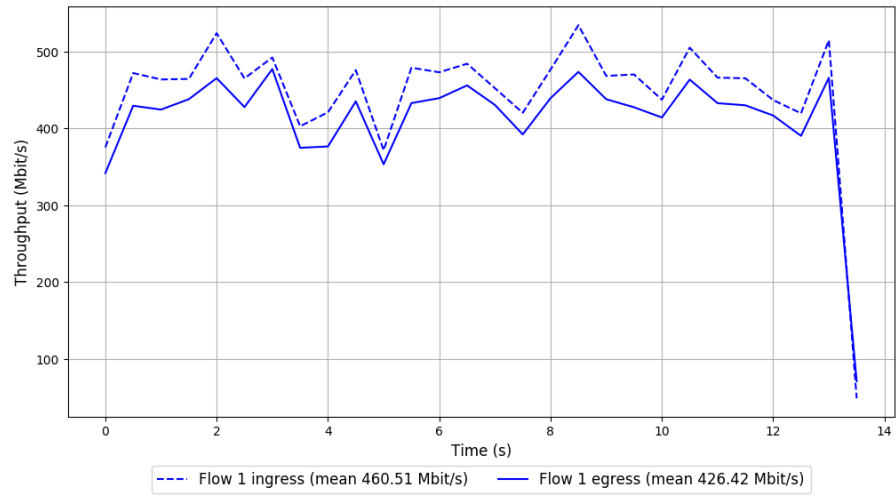
Start at: 2017-09-21 14:19:26

End at: 2017-09-21 14:19:56

Local clock offset: -0.558 ms

Remote clock offset: -2.503 ms

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

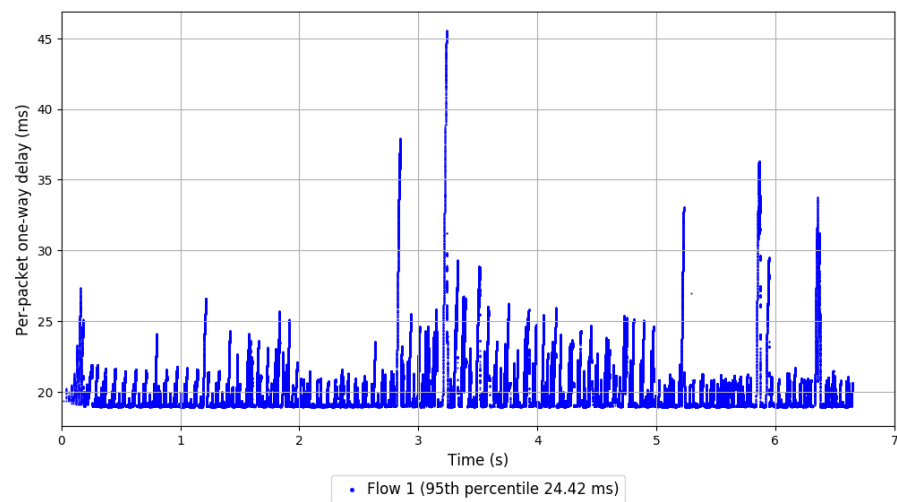
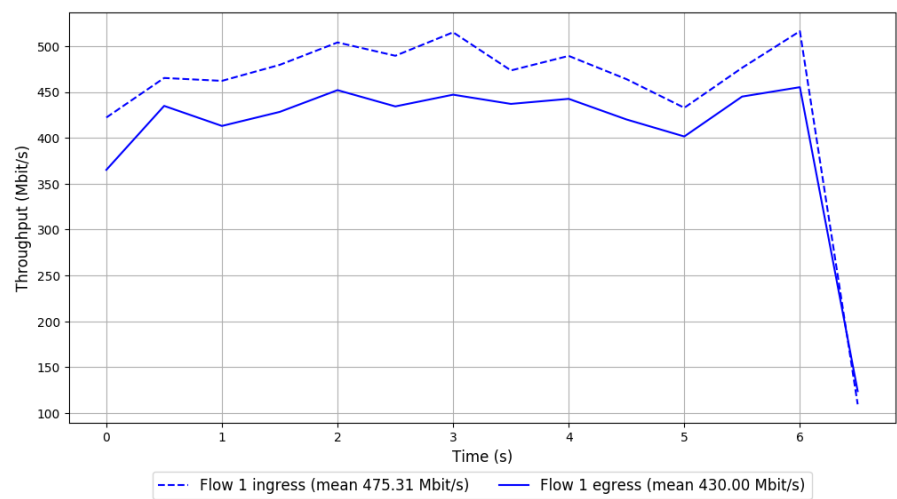
Start at: 2017-09-21 14:37:51

End at: 2017-09-21 14:38:21

Local clock offset: -0.723 ms

Remote clock offset: -2.34 ms

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

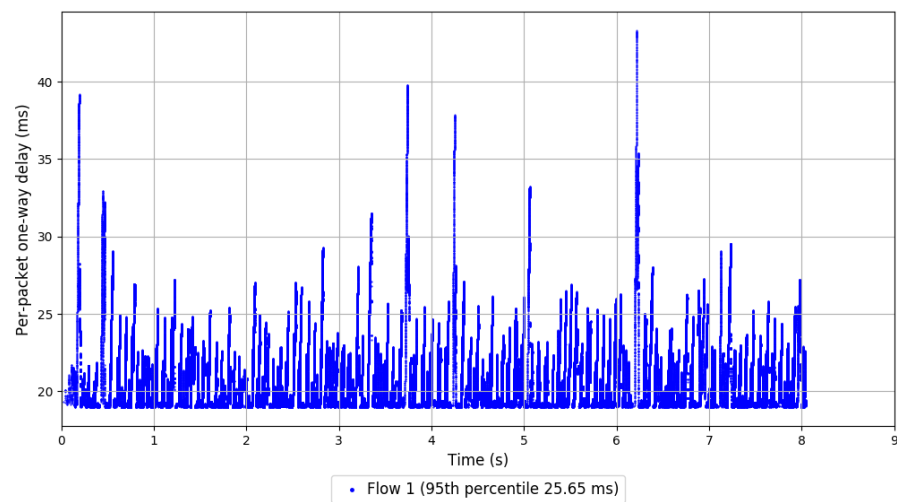
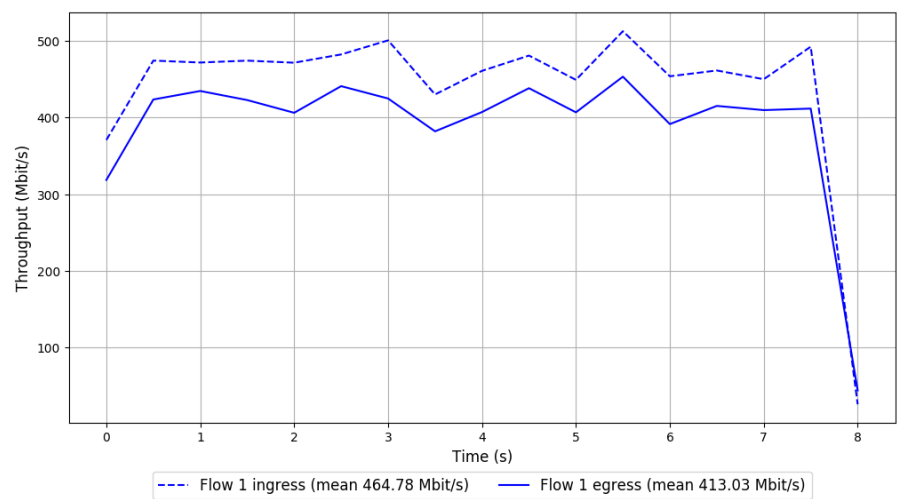
Start at: 2017-09-21 14:56:18

End at: 2017-09-21 14:56:48

Local clock offset: -0.73 ms

Remote clock offset: -2.479 ms

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

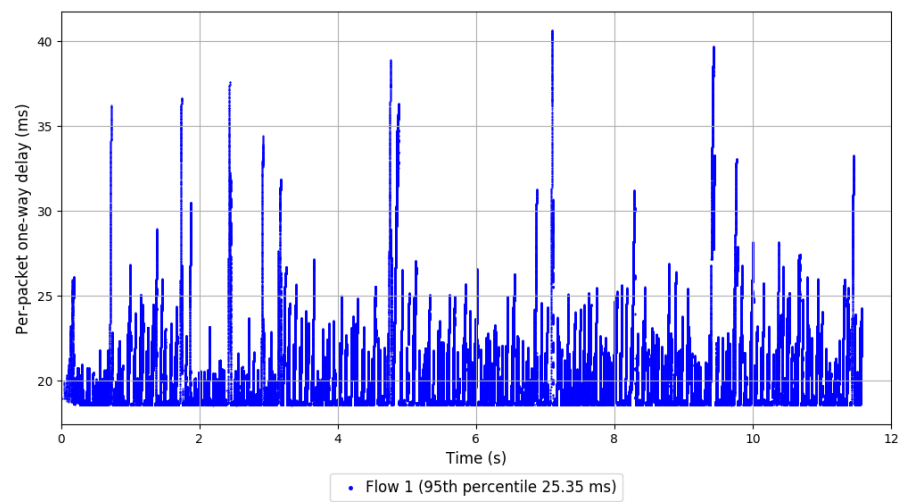
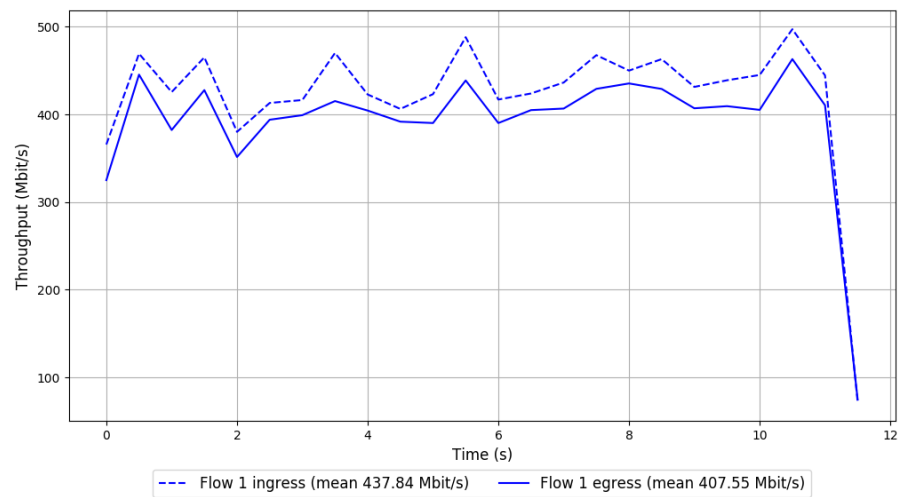
Start at: 2017-09-21 15:14:52

End at: 2017-09-21 15:15:22

Local clock offset: -0.488 ms

Remote clock offset: -2.73 ms

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

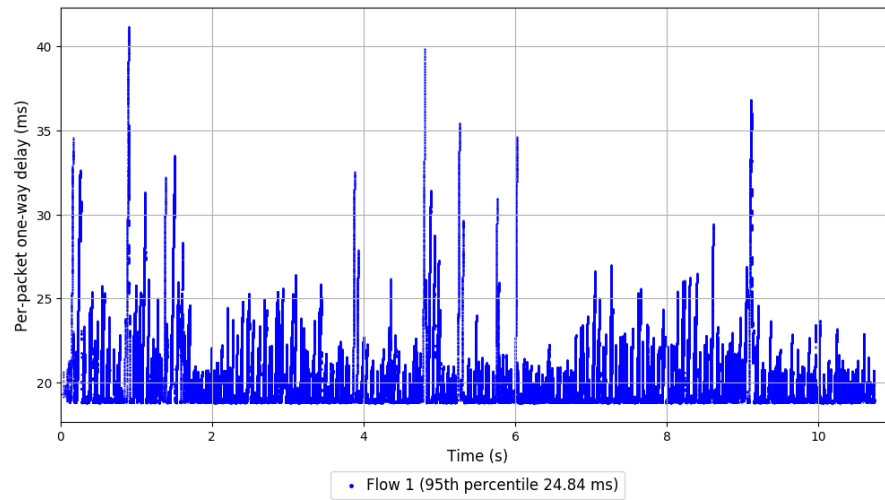
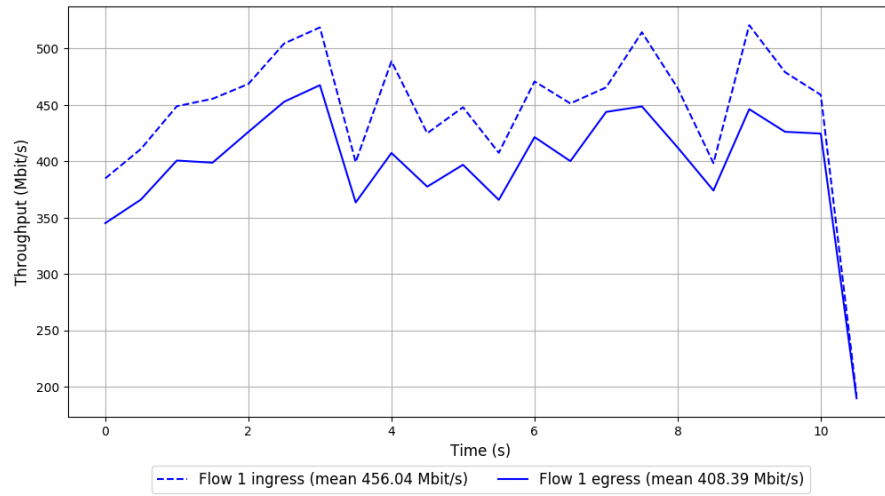
Start at: 2017-09-21 15:33:31

End at: 2017-09-21 15:34:01

Local clock offset: -0.273 ms

Remote clock offset: -2.66 ms

Run 10: Report of TCP BBR — Data Link

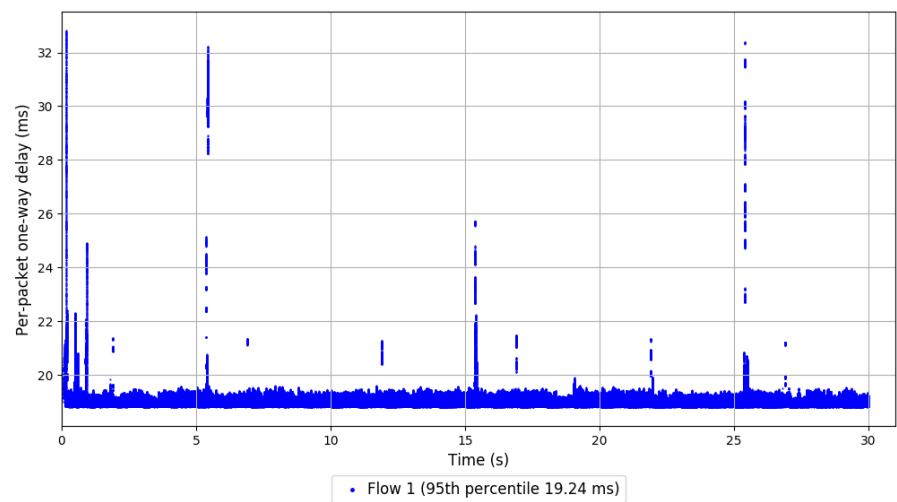
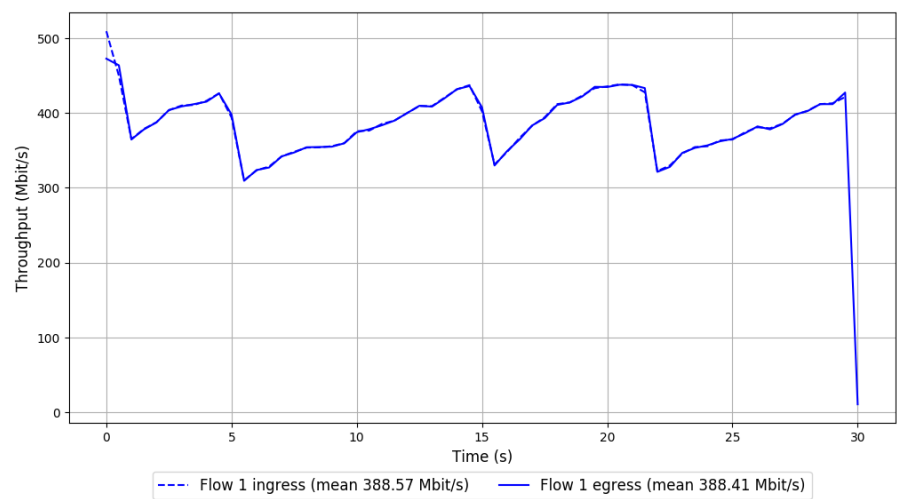


Run 1: Statistics of TCP Cubic

Start at: 2017-09-21 12:43:00
End at: 2017-09-21 12:43:30
Local clock offset: -0.198 ms
Remote clock offset: -1.671 ms

Below is generated by plot.py at 2017-09-21 17:10:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 388.41 Mbit/s
95th percentile per-packet one-way delay: 19.243 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 388.41 Mbit/s
95th percentile per-packet one-way delay: 19.243 ms
Loss rate: 0.04%

Run 1: Report of TCP Cubic — Data Link

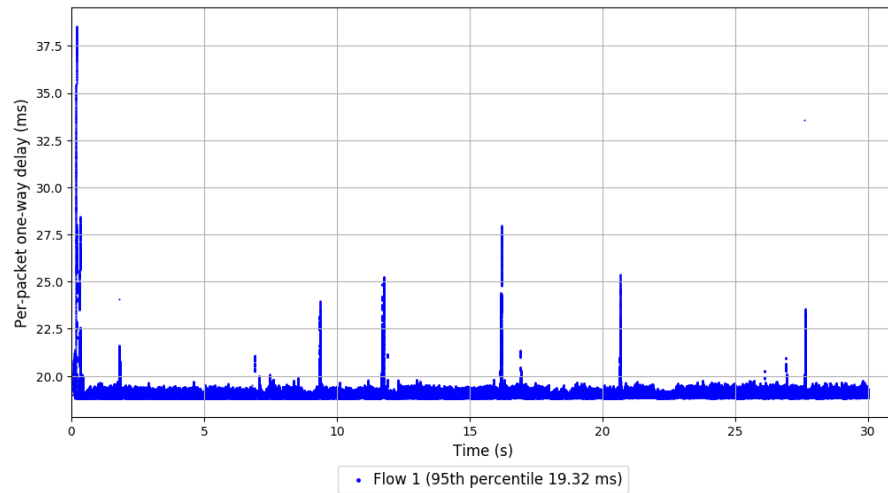
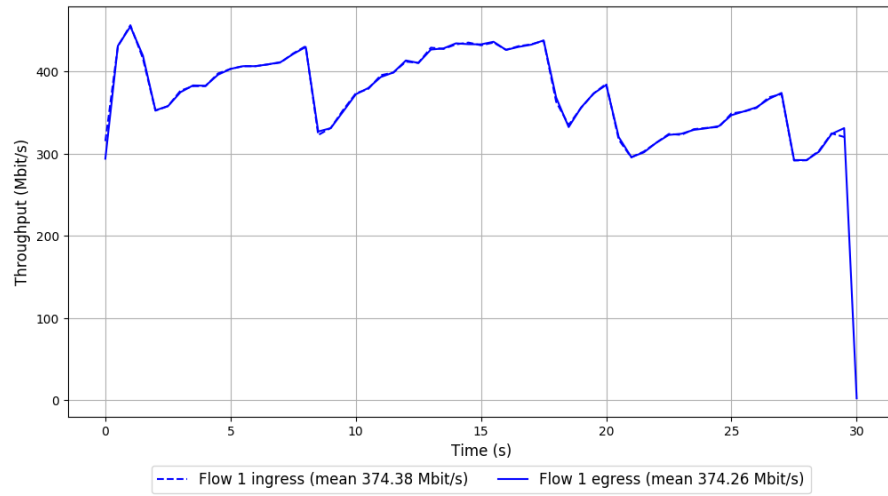


Run 2: Statistics of TCP Cubic

Start at: 2017-09-21 13:01:44
End at: 2017-09-21 13:02:14
Local clock offset: -0.39 ms
Remote clock offset: -1.683 ms

Below is generated by plot.py at 2017-09-21 17:10:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 374.26 Mbit/s
95th percentile per-packet one-way delay: 19.321 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 374.26 Mbit/s
95th percentile per-packet one-way delay: 19.321 ms
Loss rate: 0.03%

Run 2: Report of TCP Cubic — Data Link

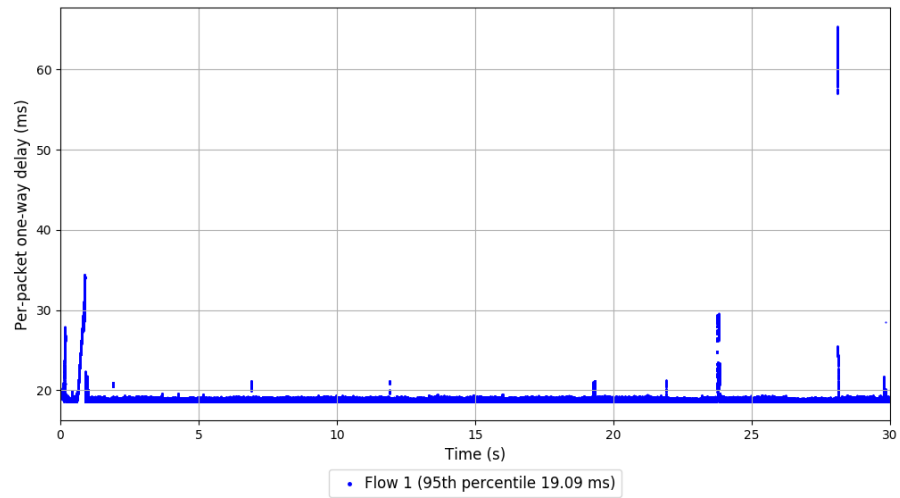
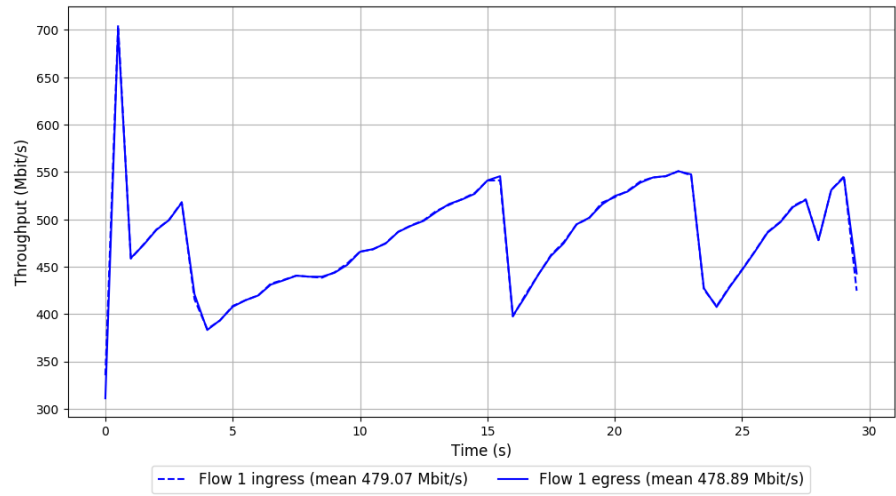


Run 3: Statistics of TCP Cubic

Start at: 2017-09-21 13:20:30
End at: 2017-09-21 13:21:00
Local clock offset: -0.63 ms
Remote clock offset: -2.188 ms

Below is generated by plot.py at 2017-09-21 17:12:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 478.89 Mbit/s
95th percentile per-packet one-way delay: 19.089 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 478.89 Mbit/s
95th percentile per-packet one-way delay: 19.089 ms
Loss rate: 0.06%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2017-09-21 13:39:09

End at: 2017-09-21 13:39:39

Local clock offset: -0.648 ms

Remote clock offset: -2.35 ms

Below is generated by plot.py at 2017-09-21 17:12:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 374.14 Mbit/s

95th percentile per-packet one-way delay: 19.245 ms

Loss rate: 0.06%

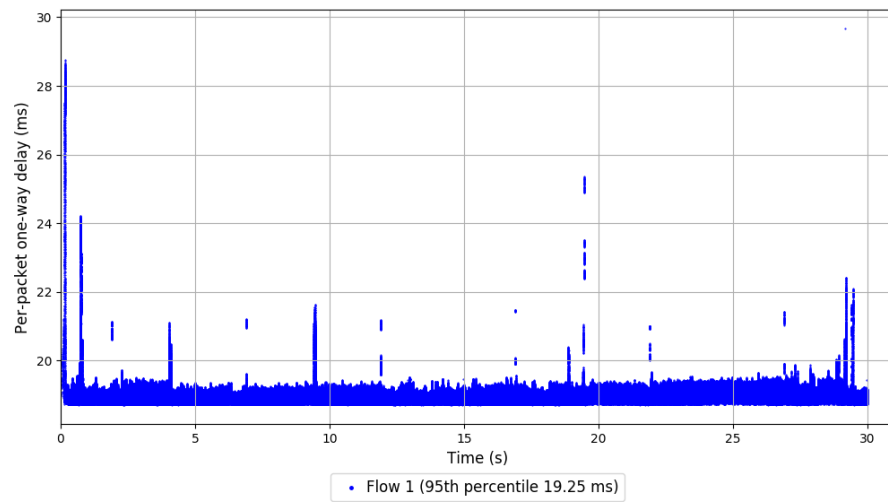
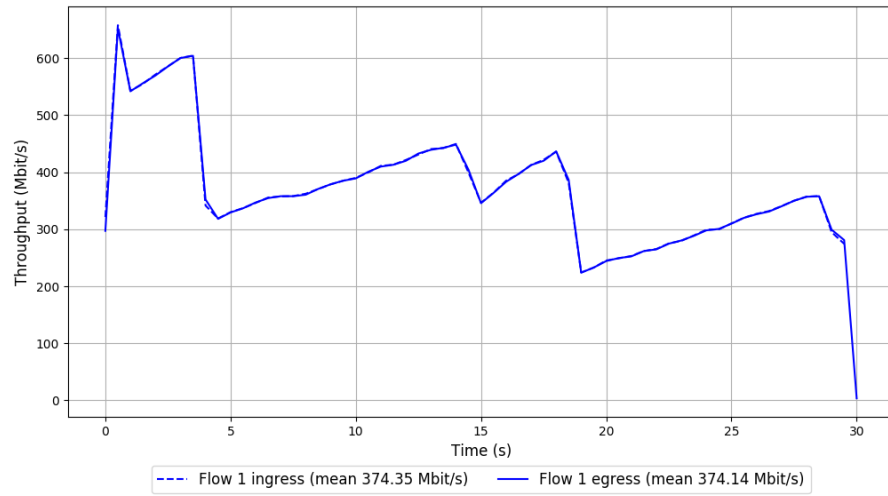
-- Flow 1:

Average throughput: 374.14 Mbit/s

95th percentile per-packet one-way delay: 19.245 ms

Loss rate: 0.06%

Run 4: Report of TCP Cubic — Data Link

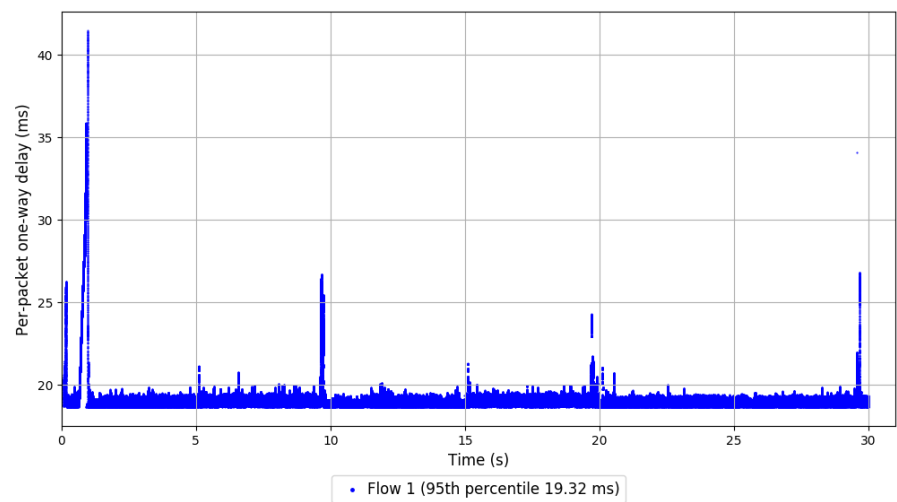
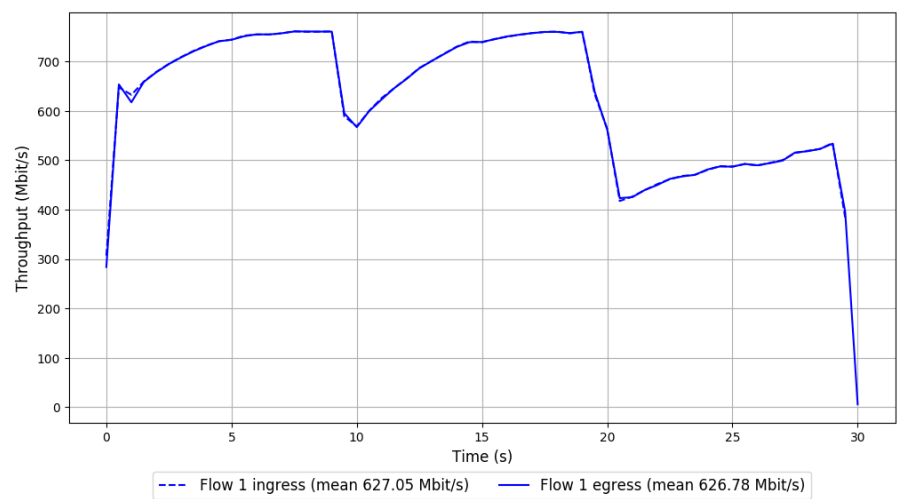


Run 5: Statistics of TCP Cubic

Start at: 2017-09-21 13:57:42
End at: 2017-09-21 13:58:12
Local clock offset: -0.579 ms
Remote clock offset: -2.406 ms

Below is generated by plot.py at 2017-09-21 17:14:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 626.78 Mbit/s
95th percentile per-packet one-way delay: 19.325 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 626.78 Mbit/s
95th percentile per-packet one-way delay: 19.325 ms
Loss rate: 0.04%

Run 5: Report of TCP Cubic — Data Link

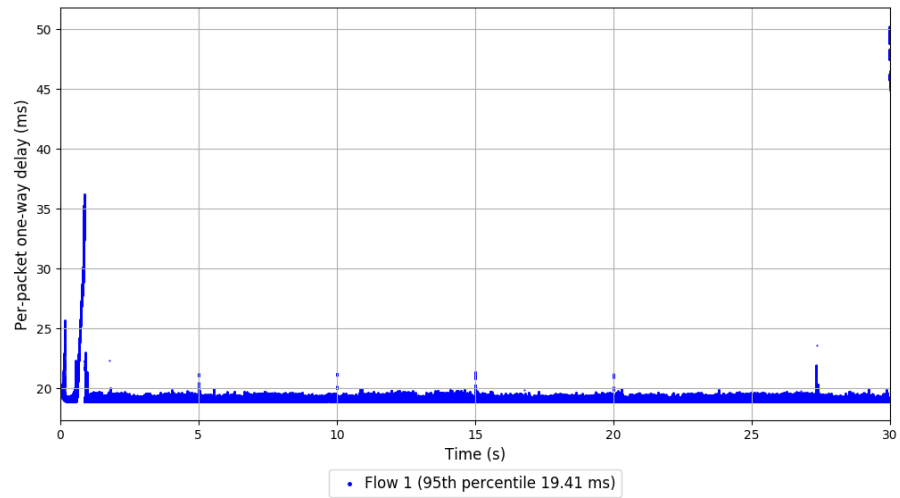
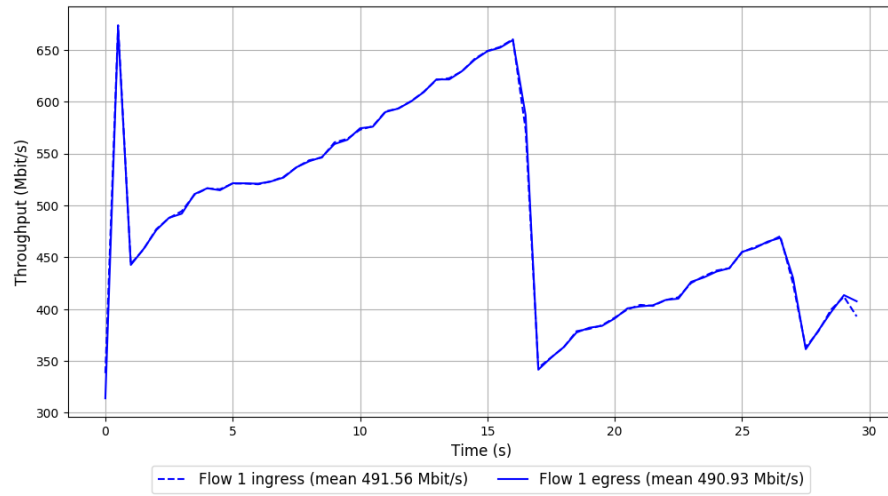


Run 6: Statistics of TCP Cubic

Start at: 2017-09-21 14:16:39
End at: 2017-09-21 14:17:09
Local clock offset: -0.629 ms
Remote clock offset: -2.583 ms

Below is generated by plot.py at 2017-09-21 17:14:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 490.93 Mbit/s
95th percentile per-packet one-way delay: 19.409 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 490.93 Mbit/s
95th percentile per-packet one-way delay: 19.409 ms
Loss rate: 0.04%

Run 6: Report of TCP Cubic — Data Link

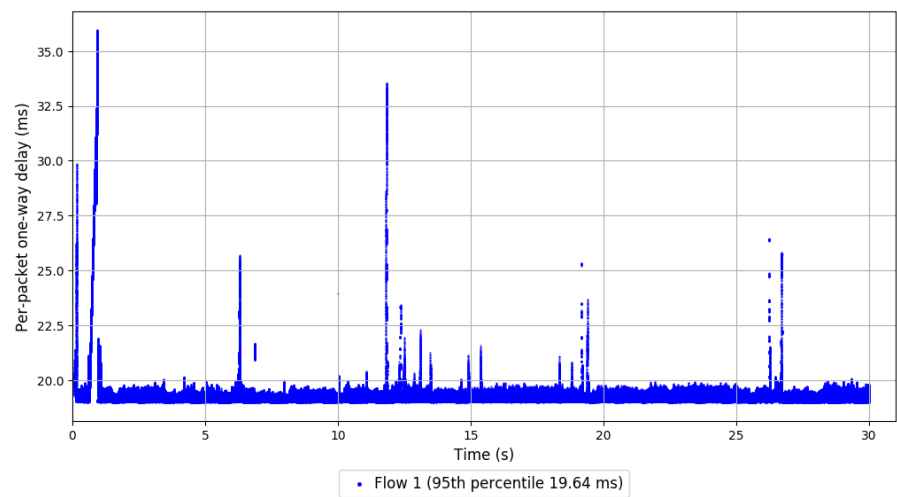
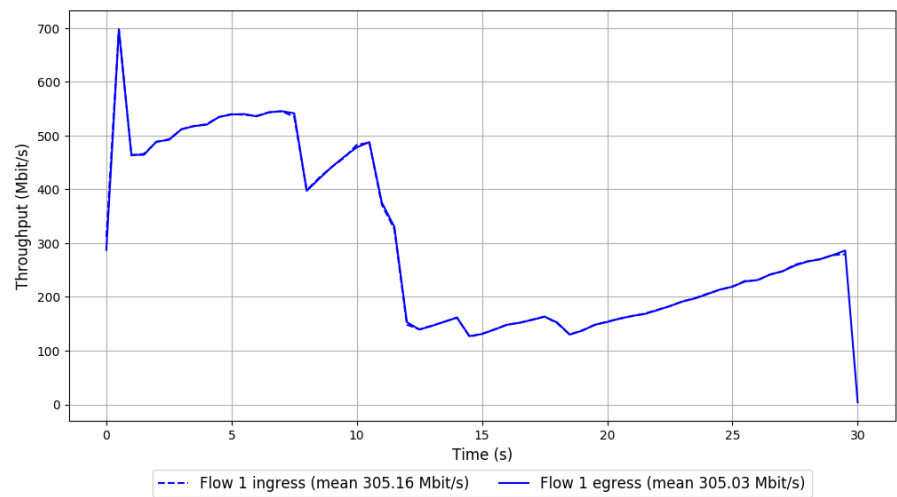


Run 7: Statistics of TCP Cubic

Start at: 2017-09-21 14:35:11
End at: 2017-09-21 14:35:41
Local clock offset: -0.728 ms
Remote clock offset: -2.343 ms

Below is generated by plot.py at 2017-09-21 17:14:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 305.03 Mbit/s
95th percentile per-packet one-way delay: 19.638 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 305.03 Mbit/s
95th percentile per-packet one-way delay: 19.638 ms
Loss rate: 0.04%

Run 7: Report of TCP Cubic — Data Link

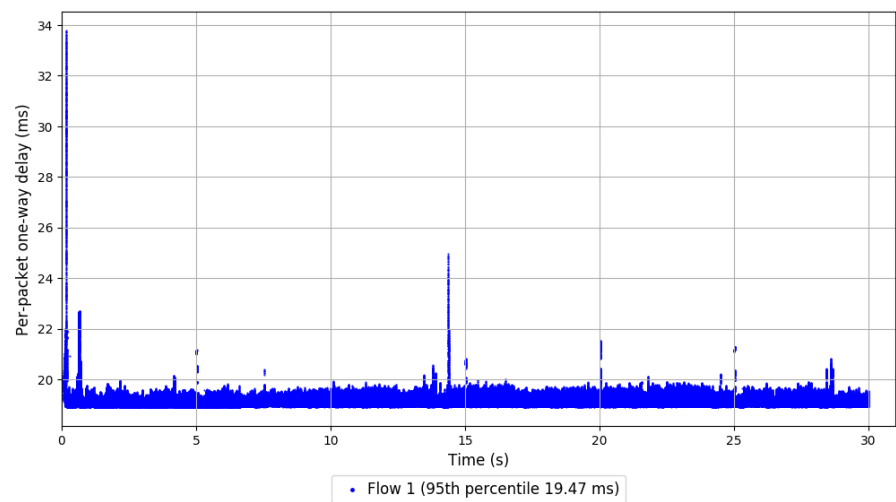
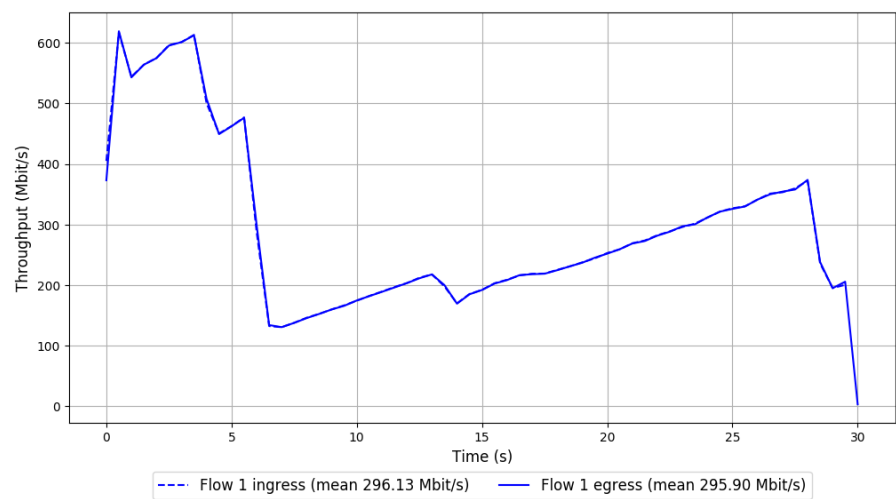


Run 8: Statistics of TCP Cubic

Start at: 2017-09-21 14:53:38
End at: 2017-09-21 14:54:08
Local clock offset: -0.725 ms
Remote clock offset: -2.471 ms

Below is generated by plot.py at 2017-09-21 17:14:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 295.90 Mbit/s
95th percentile per-packet one-way delay: 19.474 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 295.90 Mbit/s
95th percentile per-packet one-way delay: 19.474 ms
Loss rate: 0.08%

Run 8: Report of TCP Cubic — Data Link

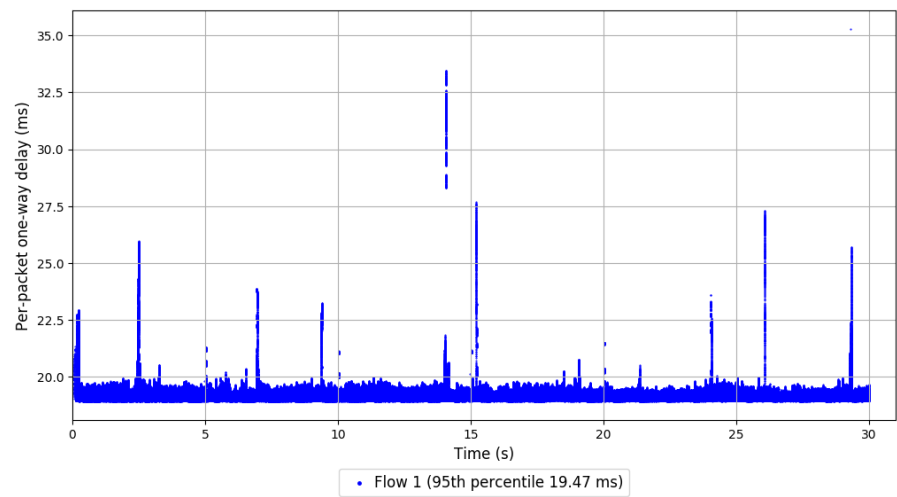
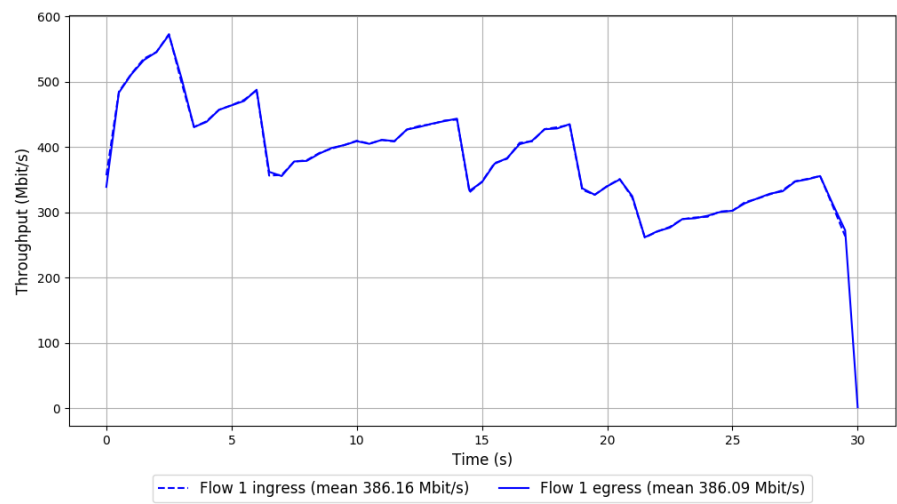


Run 9: Statistics of TCP Cubic

Start at: 2017-09-21 15:12:08
End at: 2017-09-21 15:12:38
Local clock offset: -0.619 ms
Remote clock offset: -2.729 ms

Below is generated by plot.py at 2017-09-21 17:16:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 386.09 Mbit/s
95th percentile per-packet one-way delay: 19.473 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 386.09 Mbit/s
95th percentile per-packet one-way delay: 19.473 ms
Loss rate: 0.02%

Run 9: Report of TCP Cubic — Data Link

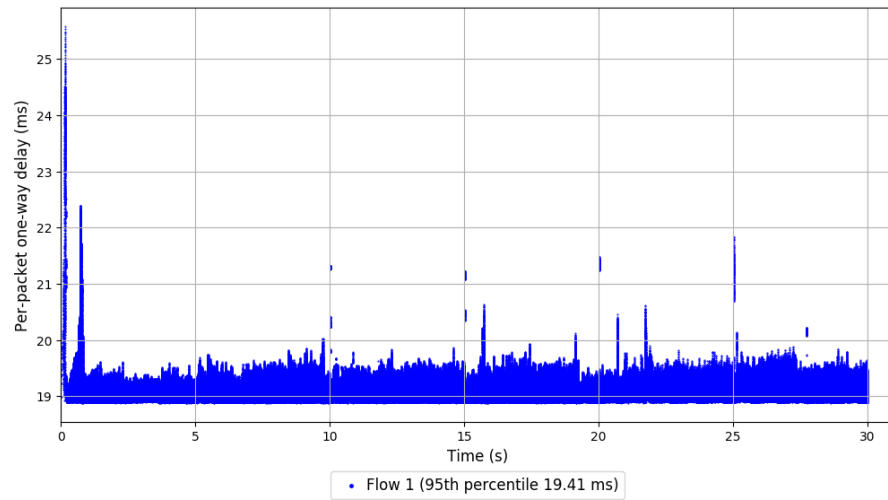
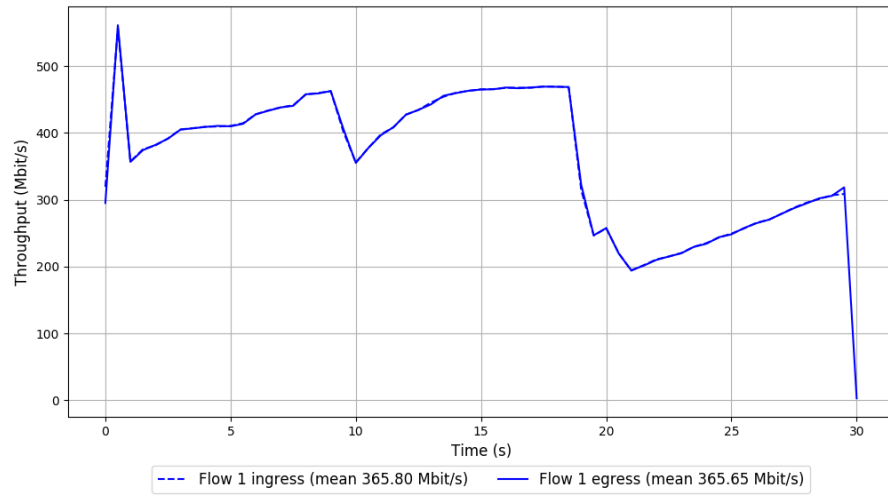


Run 10: Statistics of TCP Cubic

Start at: 2017-09-21 15:30:49
End at: 2017-09-21 15:31:19
Local clock offset: -0.305 ms
Remote clock offset: -2.591 ms

Below is generated by plot.py at 2017-09-21 17:16:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 365.65 Mbit/s
95th percentile per-packet one-way delay: 19.406 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 365.65 Mbit/s
95th percentile per-packet one-way delay: 19.406 ms
Loss rate: 0.04%

Run 10: Report of TCP Cubic — Data Link

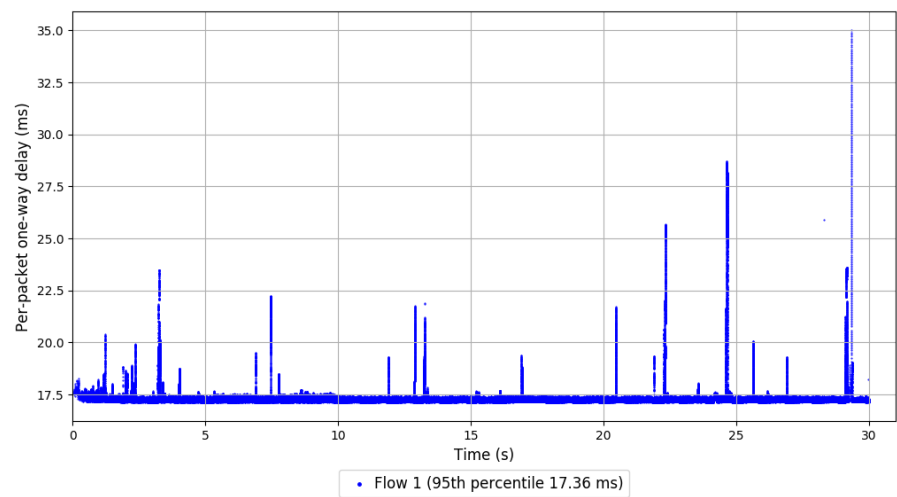
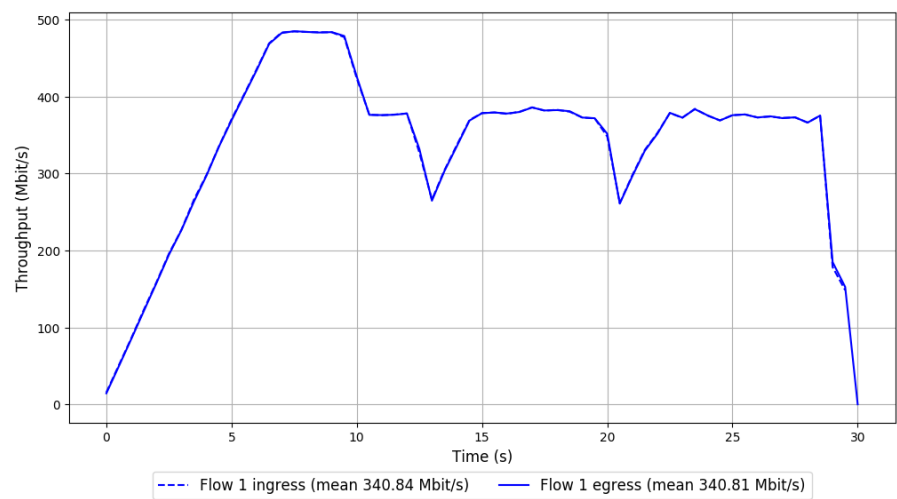


```
Run 1: Statistics of LEDBAT

Start at: 2017-09-21 12:35:13
End at: 2017-09-21 12:35:43
Local clock offset: -0.191 ms
Remote clock offset: -1.73 ms

# Below is generated by plot.py at 2017-09-21 17:16:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 340.81 Mbit/s
95th percentile per-packet one-way delay: 17.361 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 340.81 Mbit/s
95th percentile per-packet one-way delay: 17.361 ms
Loss rate: 0.01%
```


Run 1: Report of LEDBAT — Data Link

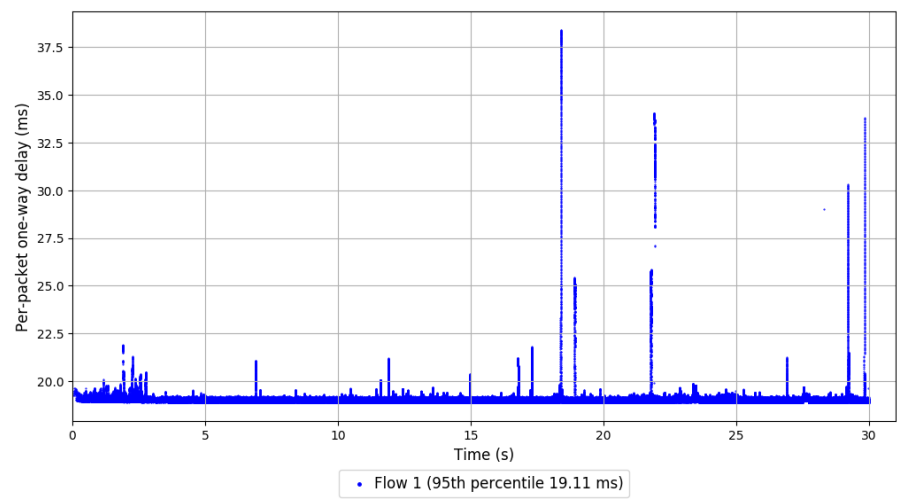
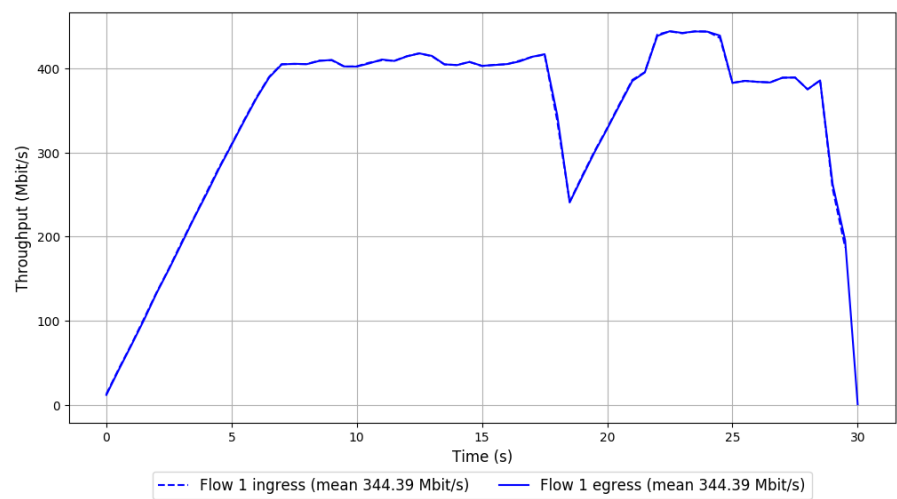


Run 2: Statistics of LEDBAT

Start at: 2017-09-21 12:53:56
End at: 2017-09-21 12:54:26
Local clock offset: -0.4 ms
Remote clock offset: -1.562 ms

Below is generated by plot.py at 2017-09-21 17:16:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 344.39 Mbit/s
95th percentile per-packet one-way delay: 19.112 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 344.39 Mbit/s
95th percentile per-packet one-way delay: 19.112 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

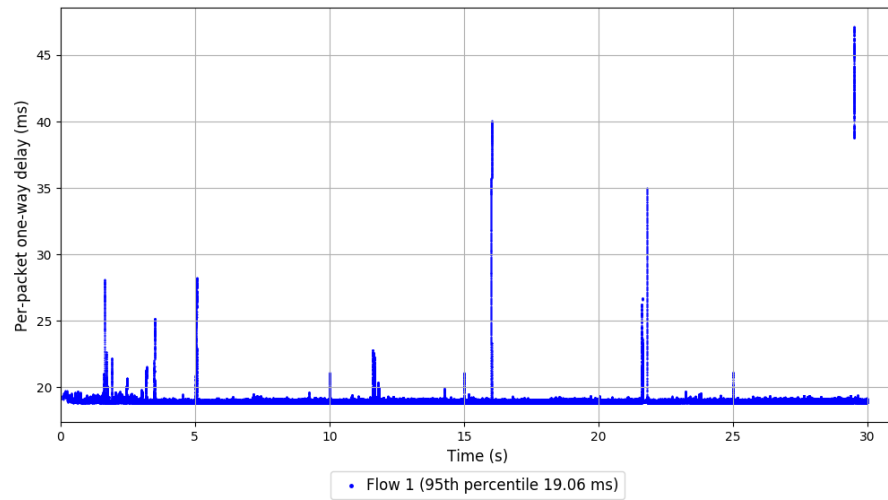
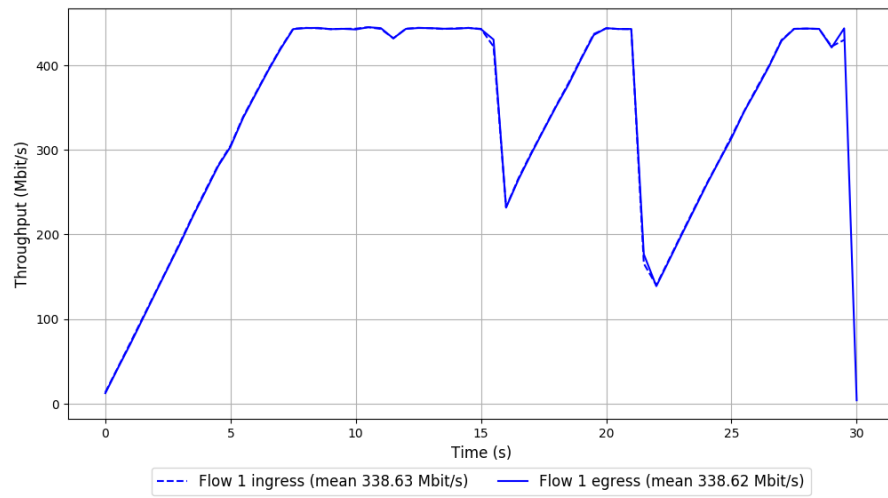


Run 3: Statistics of LEDBAT

Start at: 2017-09-21 13:12:42
End at: 2017-09-21 13:13:12
Local clock offset: -0.513 ms
Remote clock offset: -2.026 ms

Below is generated by plot.py at 2017-09-21 17:16:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 338.62 Mbit/s
95th percentile per-packet one-way delay: 19.058 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 338.62 Mbit/s
95th percentile per-packet one-way delay: 19.058 ms
Loss rate: 0.01%

Run 3: Report of LEDBAT — Data Link

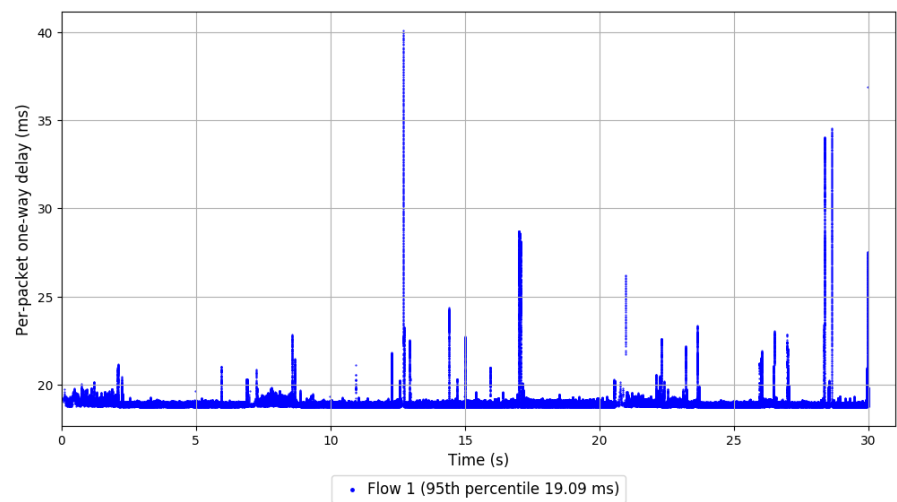
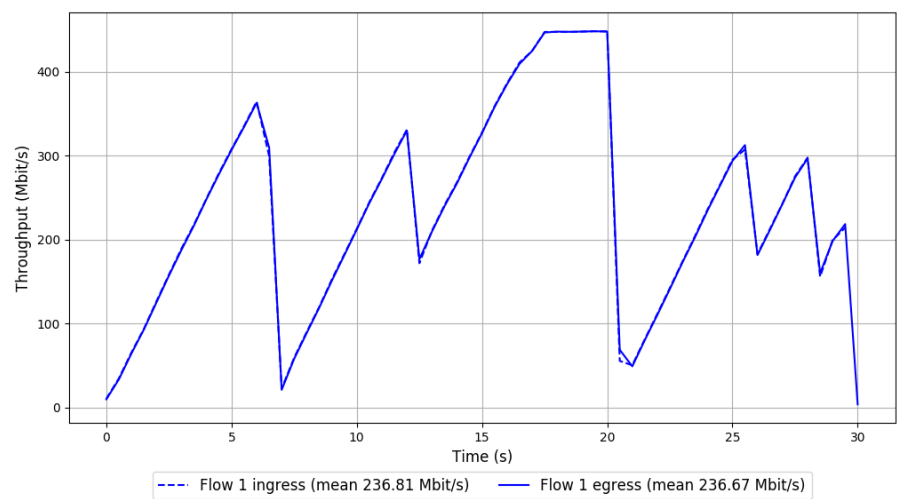


Run 4: Statistics of LEDBAT

Start at: 2017-09-21 13:31:27
End at: 2017-09-21 13:31:57
Local clock offset: -0.687 ms
Remote clock offset: -2.422 ms

Below is generated by plot.py at 2017-09-21 17:16:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 236.67 Mbit/s
95th percentile per-packet one-way delay: 19.088 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 236.67 Mbit/s
95th percentile per-packet one-way delay: 19.088 ms
Loss rate: 0.06%

Run 4: Report of LEDBAT — Data Link

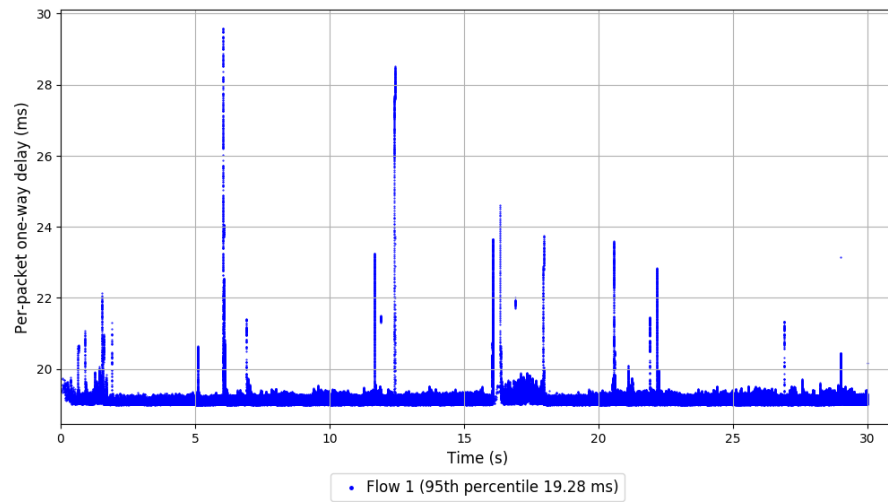
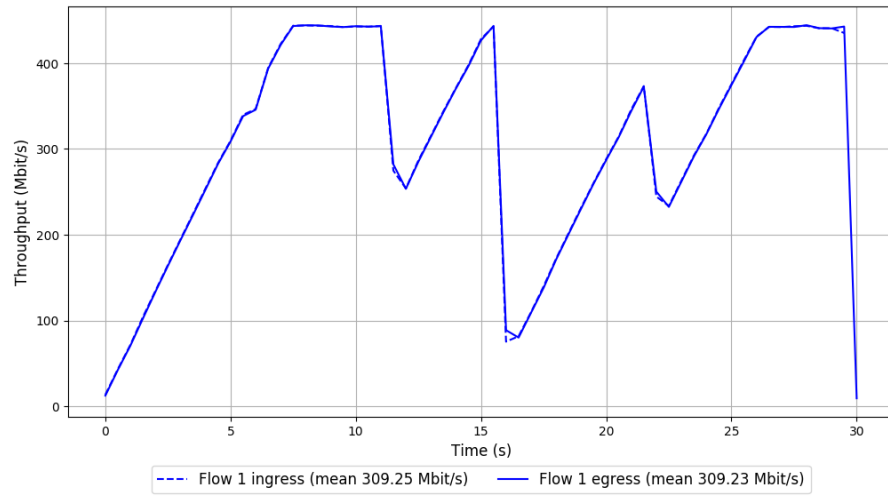


Run 5: Statistics of LEDBAT

Start at: 2017-09-21 13:49:56
End at: 2017-09-21 13:50:26
Local clock offset: -0.615 ms
Remote clock offset: -2.153 ms

Below is generated by plot.py at 2017-09-21 17:17:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 309.23 Mbit/s
95th percentile per-packet one-way delay: 19.280 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 309.23 Mbit/s
95th percentile per-packet one-way delay: 19.280 ms
Loss rate: 0.01%

Run 5: Report of LEDBAT — Data Link

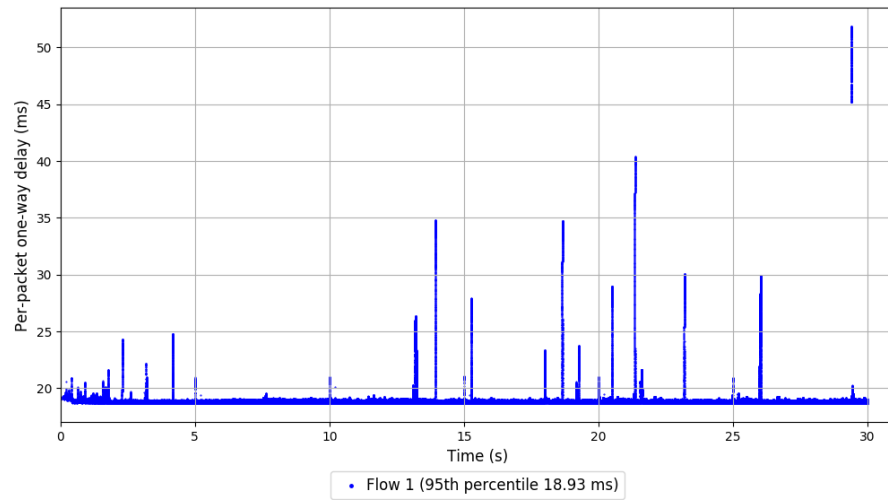
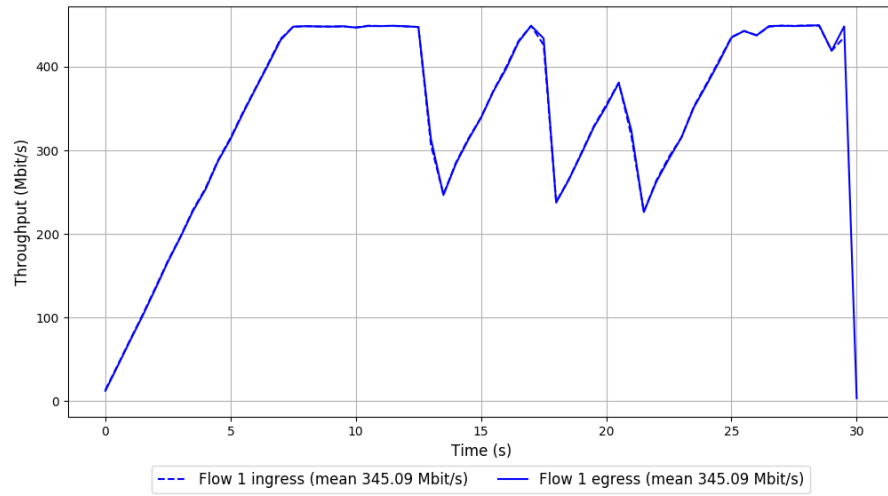


Run 6: Statistics of LEDBAT

Start at: 2017-09-21 14:08:49
End at: 2017-09-21 14:09:19
Local clock offset: -0.596 ms
Remote clock offset: -2.532 ms

Below is generated by plot.py at 2017-09-21 17:19:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 345.09 Mbit/s
95th percentile per-packet one-way delay: 18.931 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 345.09 Mbit/s
95th percentile per-packet one-way delay: 18.931 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

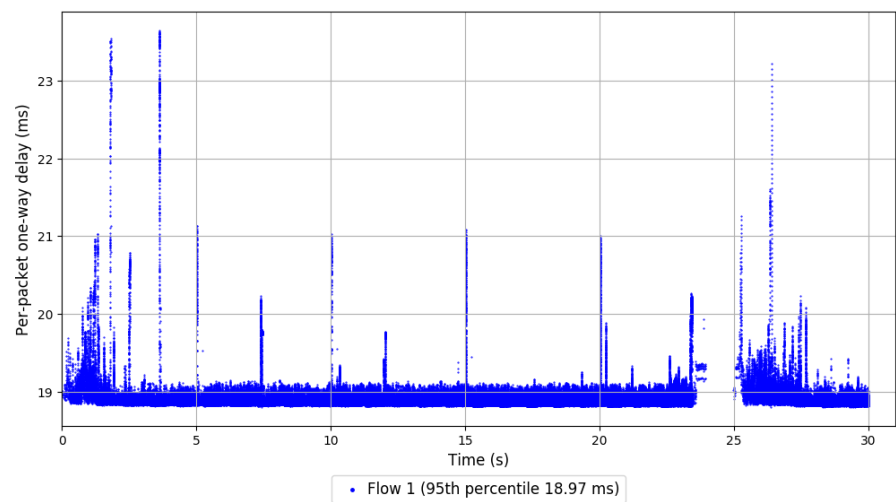
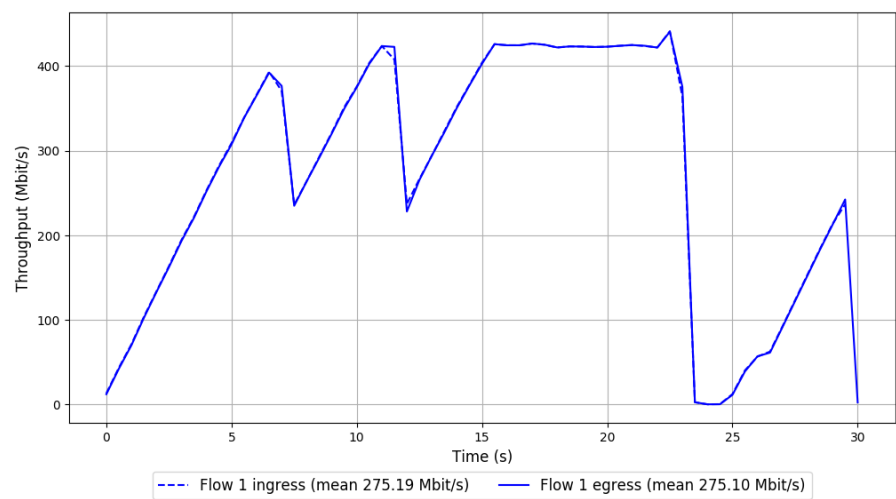


Run 7: Statistics of LEDBAT

Start at: 2017-09-21 14:27:28
End at: 2017-09-21 14:27:58
Local clock offset: -0.589 ms
Remote clock offset: -2.514 ms

Below is generated by plot.py at 2017-09-21 17:19:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 275.10 Mbit/s
95th percentile per-packet one-way delay: 18.967 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 275.10 Mbit/s
95th percentile per-packet one-way delay: 18.967 ms
Loss rate: 0.03%

Run 7: Report of LEDBAT — Data Link

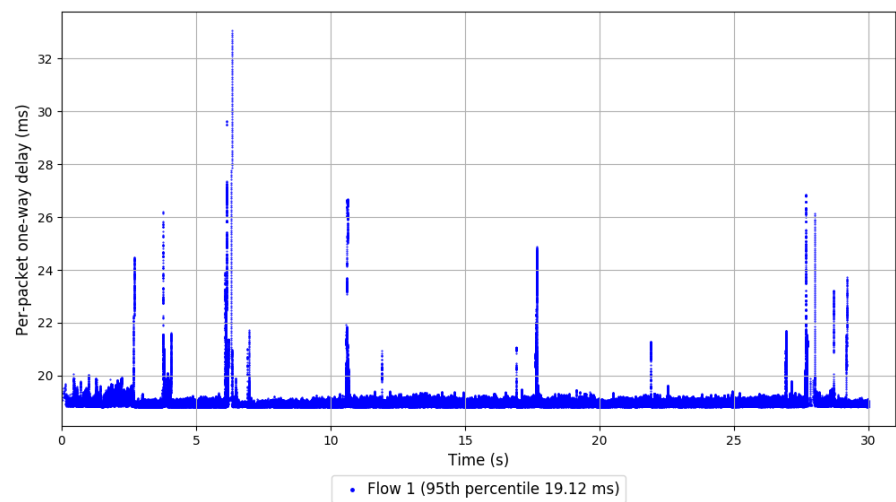
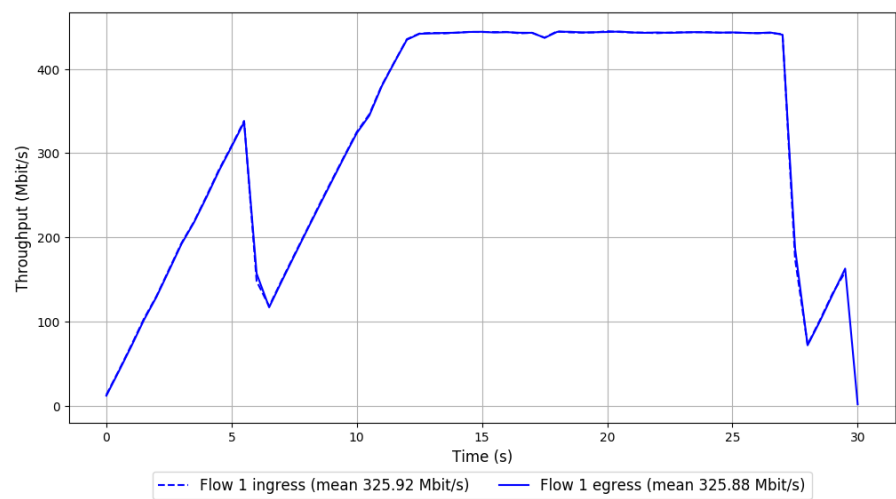


Run 8: Statistics of LEDBAT

Start at: 2017-09-21 14:45:49
End at: 2017-09-21 14:46:19
Local clock offset: -0.641 ms
Remote clock offset: -2.278 ms

Below is generated by plot.py at 2017-09-21 17:20:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 325.88 Mbit/s
95th percentile per-packet one-way delay: 19.118 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 325.88 Mbit/s
95th percentile per-packet one-way delay: 19.118 ms
Loss rate: 0.01%

Run 8: Report of LEDBAT — Data Link

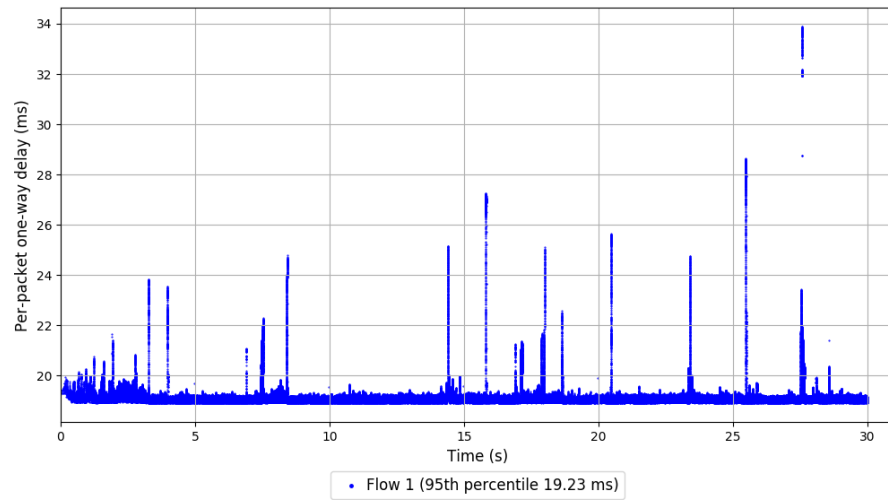
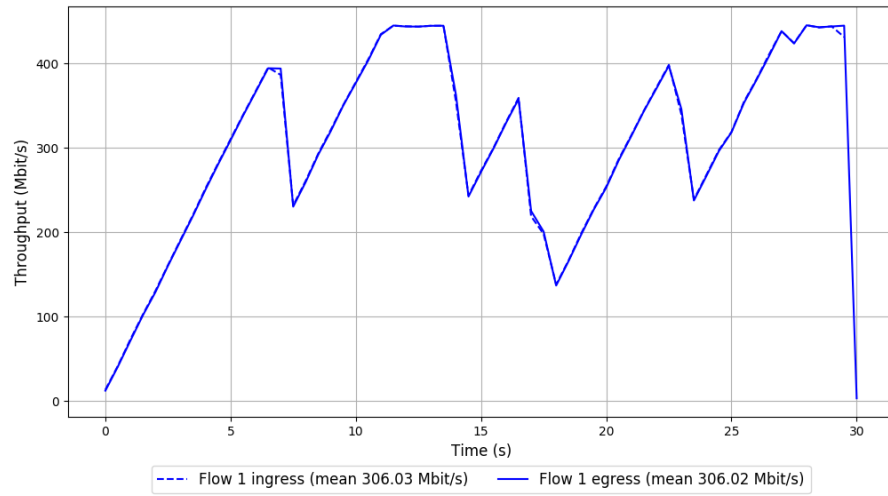


Run 9: Statistics of LEDBAT

Start at: 2017-09-21 15:04:22
End at: 2017-09-21 15:04:52
Local clock offset: -0.702 ms
Remote clock offset: -2.671 ms

Below is generated by plot.py at 2017-09-21 17:20:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 306.02 Mbit/s
95th percentile per-packet one-way delay: 19.227 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 306.02 Mbit/s
95th percentile per-packet one-way delay: 19.227 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

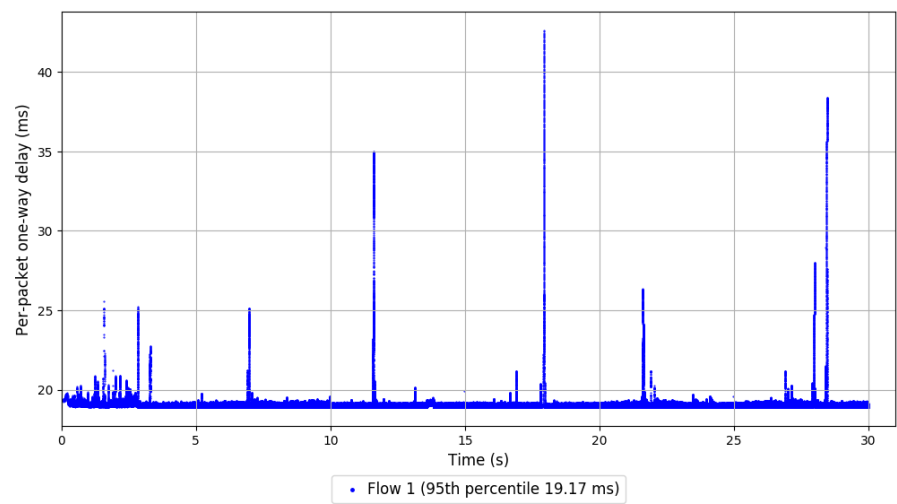
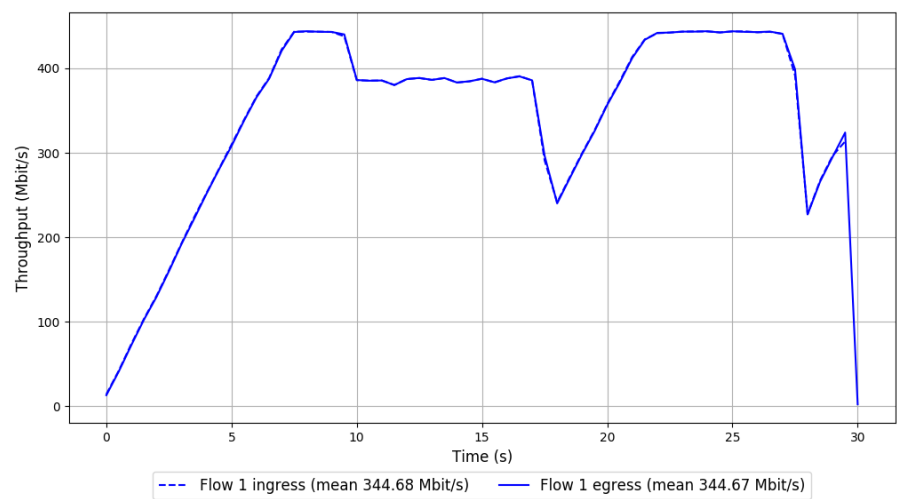


Run 10: Statistics of LEDBAT

Start at: 2017-09-21 15:23:00
End at: 2017-09-21 15:23:30
Local clock offset: -0.387 ms
Remote clock offset: -2.602 ms

Below is generated by plot.py at 2017-09-21 17:20:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 344.67 Mbit/s
95th percentile per-packet one-way delay: 19.171 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 344.67 Mbit/s
95th percentile per-packet one-way delay: 19.171 ms
Loss rate: 0.01%

Run 10: Report of LEDBAT — Data Link

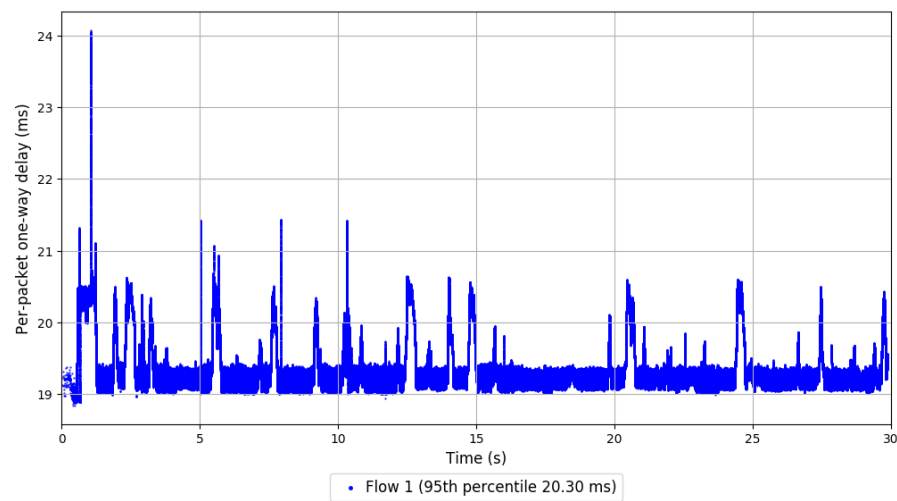
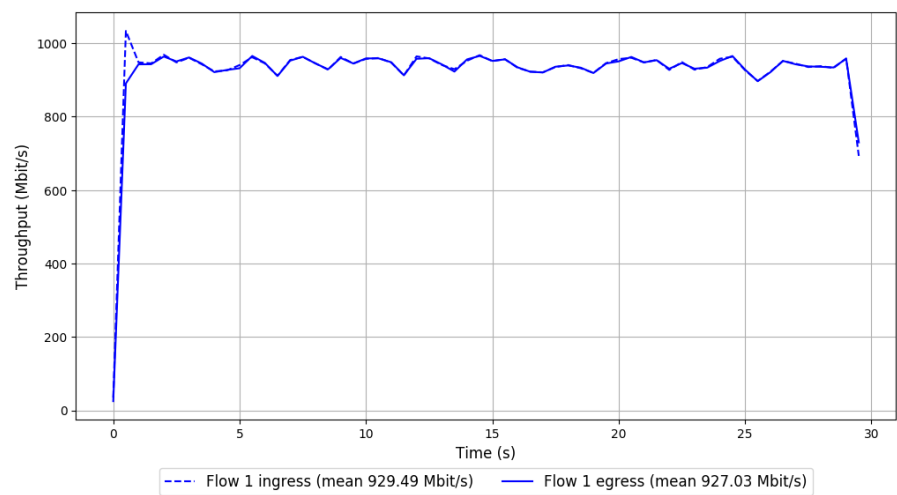


Run 1: Statistics of PCC

Start at: 2017-09-21 12:47:03
End at: 2017-09-21 12:47:33
Local clock offset: -0.3 ms
Remote clock offset: -1.606 ms

Below is generated by plot.py at 2017-09-21 17:28:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 927.03 Mbit/s
95th percentile per-packet one-way delay: 20.305 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 927.03 Mbit/s
95th percentile per-packet one-way delay: 20.305 ms
Loss rate: 0.26%

Run 1: Report of PCC — Data Link

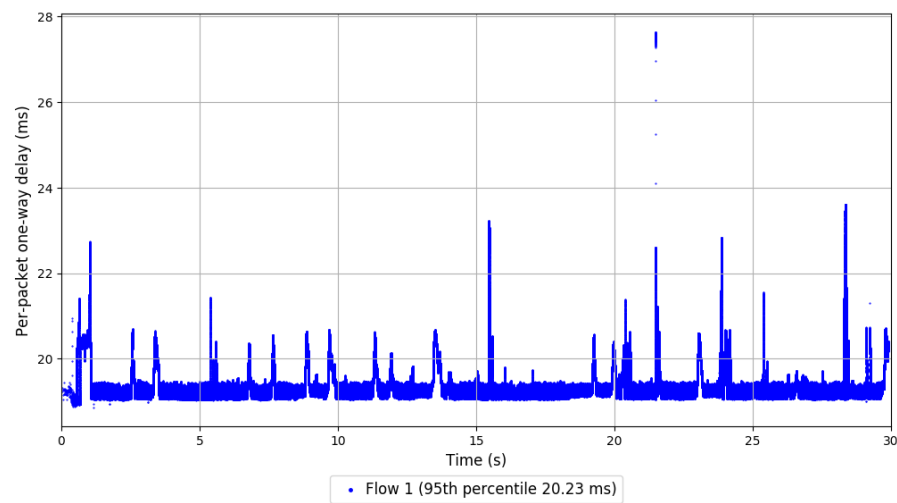
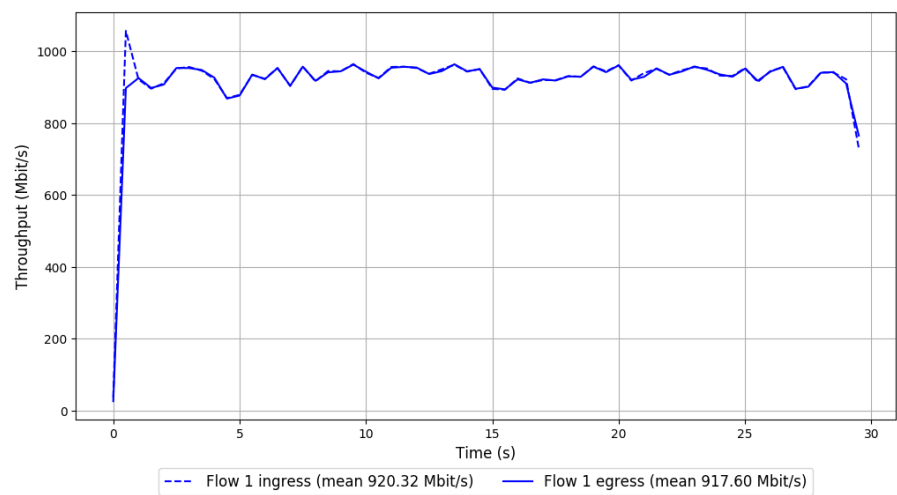


Run 2: Statistics of PCC

Start at: 2017-09-21 13:05:43
End at: 2017-09-21 13:06:13
Local clock offset: -0.527 ms
Remote clock offset: -1.786 ms

Below is generated by plot.py at 2017-09-21 17:29:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 917.60 Mbit/s
95th percentile per-packet one-way delay: 20.233 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 917.60 Mbit/s
95th percentile per-packet one-way delay: 20.233 ms
Loss rate: 0.29%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2017-09-21 13:24:36

End at: 2017-09-21 13:25:06

Local clock offset: -0.699 ms

Remote clock offset: -2.27 ms

Below is generated by plot.py at 2017-09-21 17:31:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 922.77 Mbit/s

95th percentile per-packet one-way delay: 20.149 ms

Loss rate: 0.29%

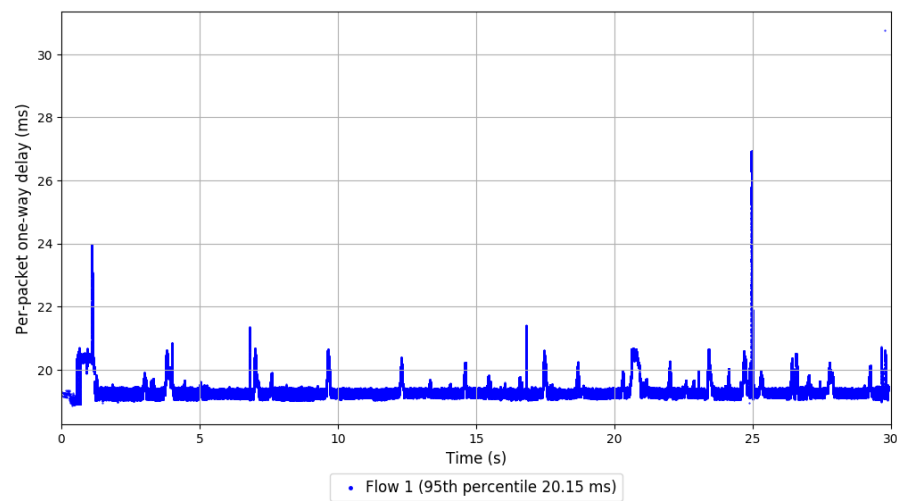
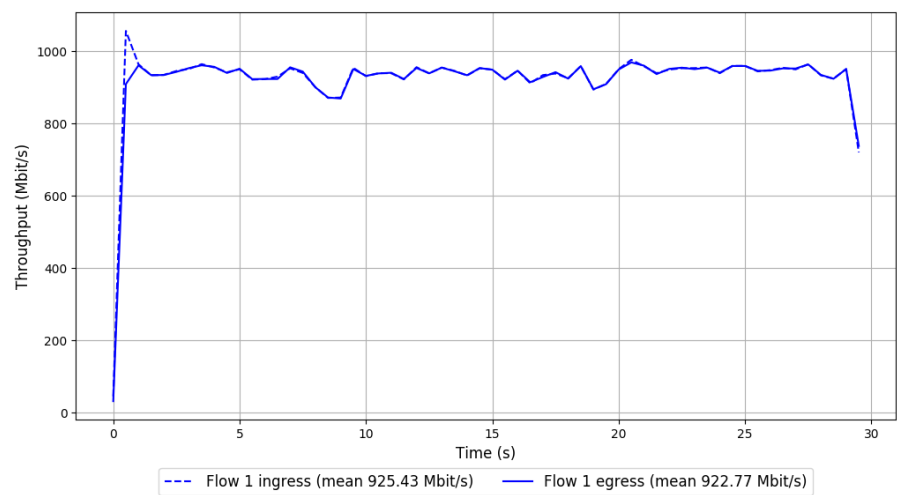
-- Flow 1:

Average throughput: 922.77 Mbit/s

95th percentile per-packet one-way delay: 20.149 ms

Loss rate: 0.29%

Run 3: Report of PCC — Data Link

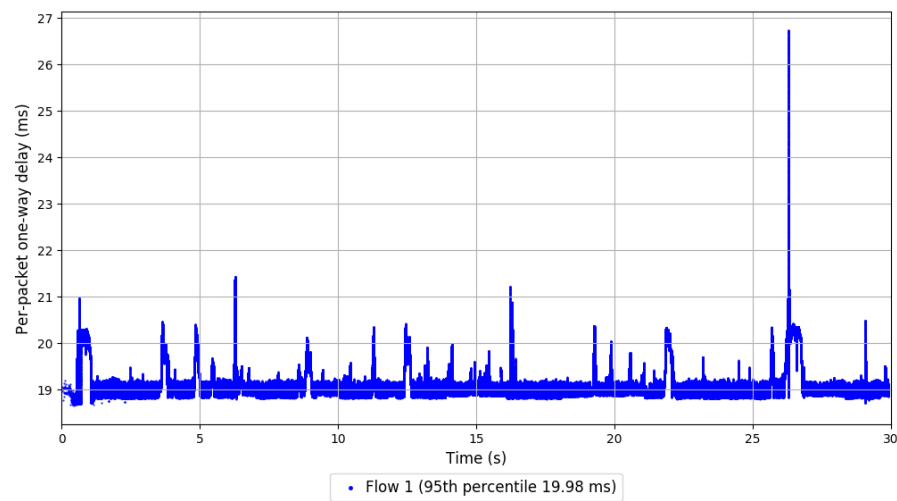
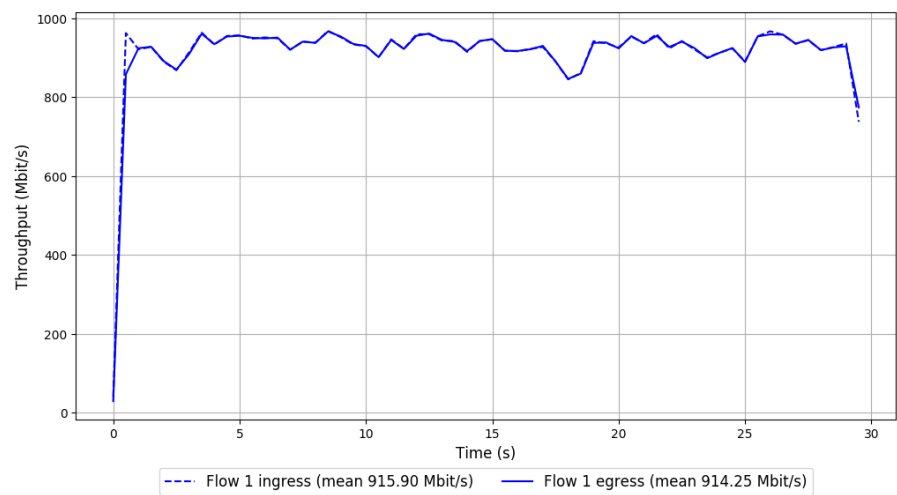


Run 4: Statistics of PCC

Start at: 2017-09-21 13:43:11
End at: 2017-09-21 13:43:41
Local clock offset: -0.537 ms
Remote clock offset: -2.229 ms

Below is generated by plot.py at 2017-09-21 17:32:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 914.25 Mbit/s
95th percentile per-packet one-way delay: 19.983 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 914.25 Mbit/s
95th percentile per-packet one-way delay: 19.983 ms
Loss rate: 0.18%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2017-09-21 14:02:00

End at: 2017-09-21 14:02:30

Local clock offset: -0.595 ms

Remote clock offset: -2.45 ms

Below is generated by plot.py at 2017-09-21 17:32:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 826.17 Mbit/s

95th percentile per-packet one-way delay: 18.243 ms

Loss rate: 0.10%

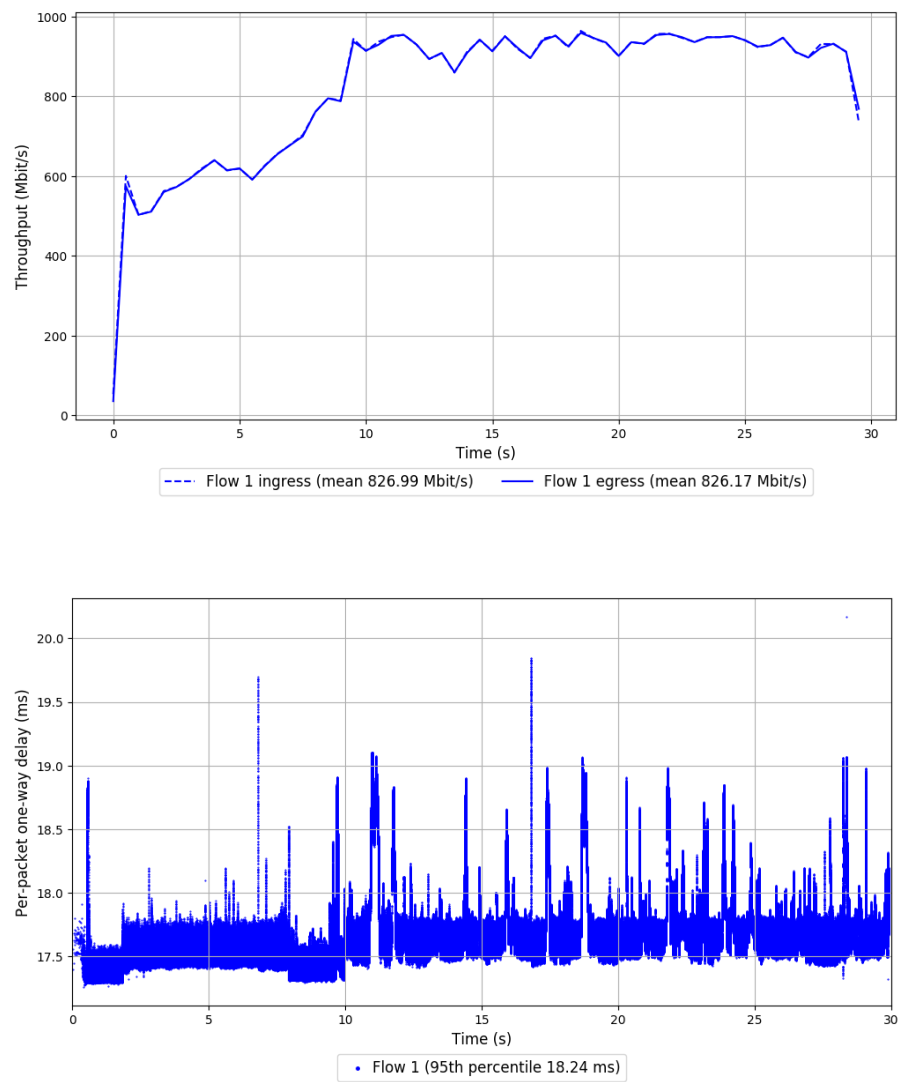
-- Flow 1:

Average throughput: 826.17 Mbit/s

95th percentile per-packet one-way delay: 18.243 ms

Loss rate: 0.10%

Run 5: Report of PCC — Data Link

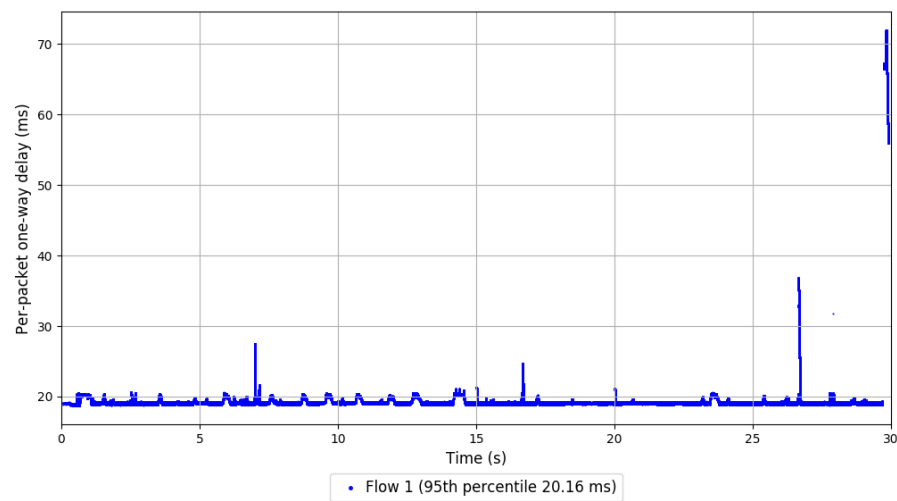
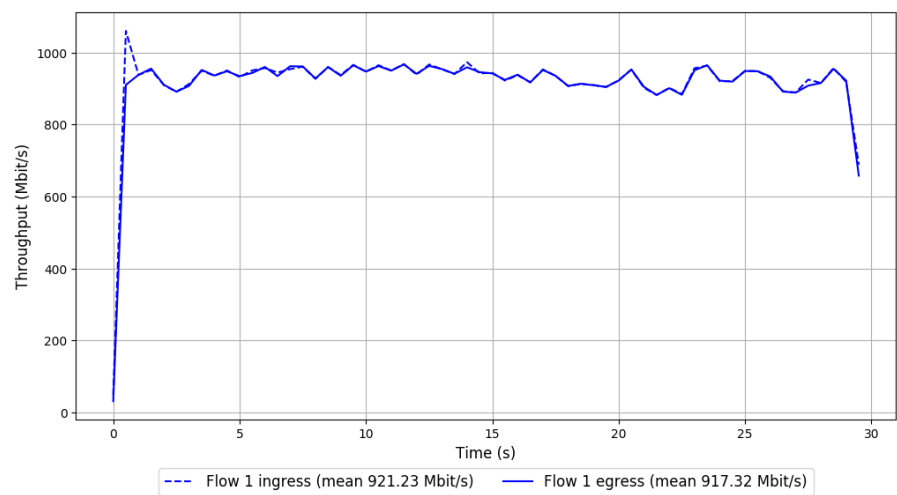


Run 6: Statistics of PCC

Start at: 2017-09-21 14:20:45
End at: 2017-09-21 14:21:15
Local clock offset: -0.567 ms
Remote clock offset: -2.508 ms

Below is generated by plot.py at 2017-09-21 17:33:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 917.32 Mbit/s
95th percentile per-packet one-way delay: 20.158 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 917.32 Mbit/s
95th percentile per-packet one-way delay: 20.158 ms
Loss rate: 0.42%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2017-09-21 14:39:06

End at: 2017-09-21 14:39:36

Local clock offset: -0.721 ms

Remote clock offset: -2.35 ms

Below is generated by plot.py at 2017-09-21 17:33:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 912.41 Mbit/s

95th percentile per-packet one-way delay: 20.027 ms

Loss rate: 0.32%

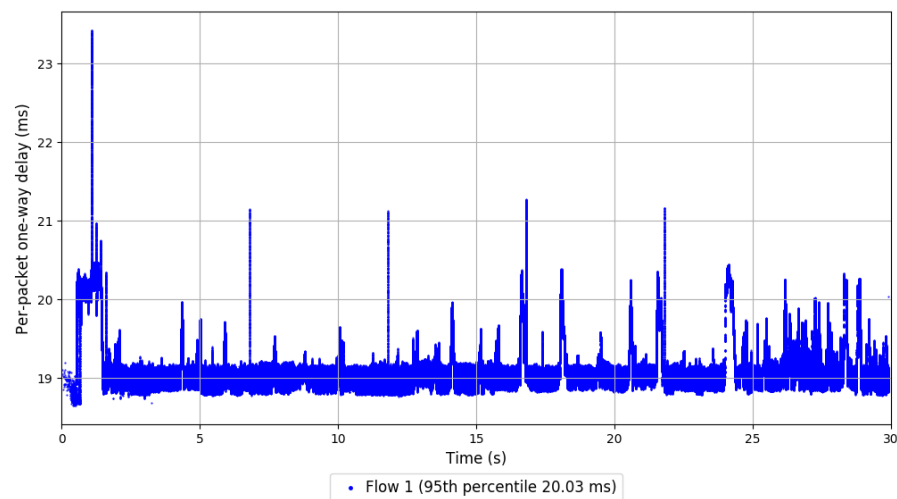
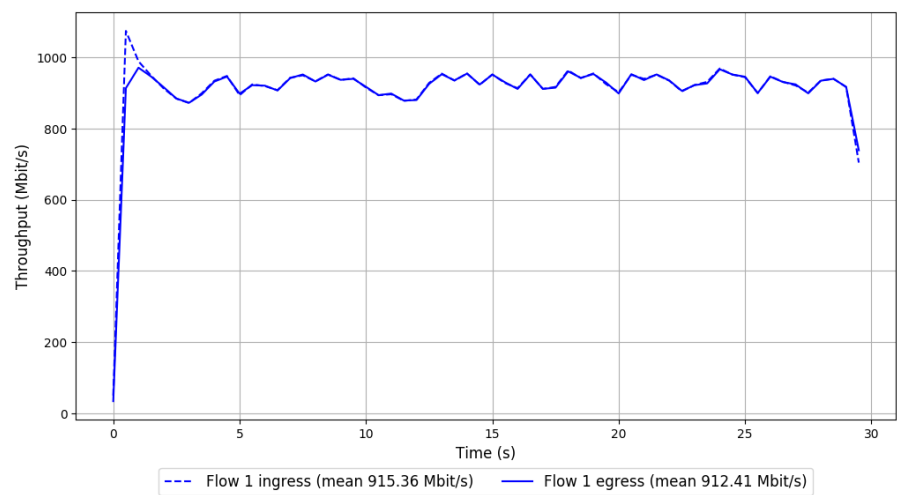
-- Flow 1:

Average throughput: 912.41 Mbit/s

95th percentile per-packet one-way delay: 20.027 ms

Loss rate: 0.32%

Run 7: Report of PCC — Data Link

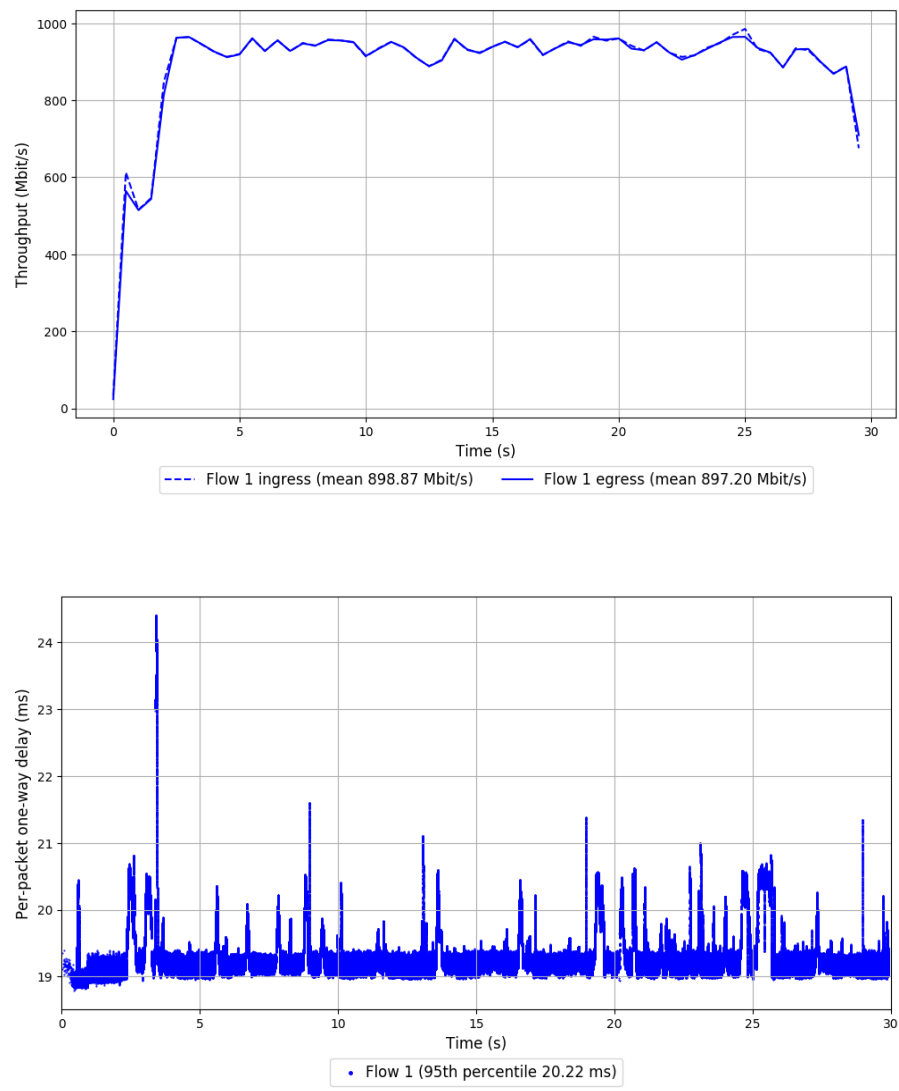


Run 8: Statistics of PCC

Start at: 2017-09-21 14:57:34
End at: 2017-09-21 14:58:04
Local clock offset: -0.604 ms
Remote clock offset: -2.503 ms

Below is generated by plot.py at 2017-09-21 17:33:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 897.20 Mbit/s
95th percentile per-packet one-way delay: 20.223 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 897.20 Mbit/s
95th percentile per-packet one-way delay: 20.223 ms
Loss rate: 0.19%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2017-09-21 15:16:10

End at: 2017-09-21 15:16:40

Local clock offset: -0.572 ms

Remote clock offset: -2.67 ms

Below is generated by plot.py at 2017-09-21 17:43:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 919.11 Mbit/s

95th percentile per-packet one-way delay: 20.182 ms

Loss rate: 0.27%

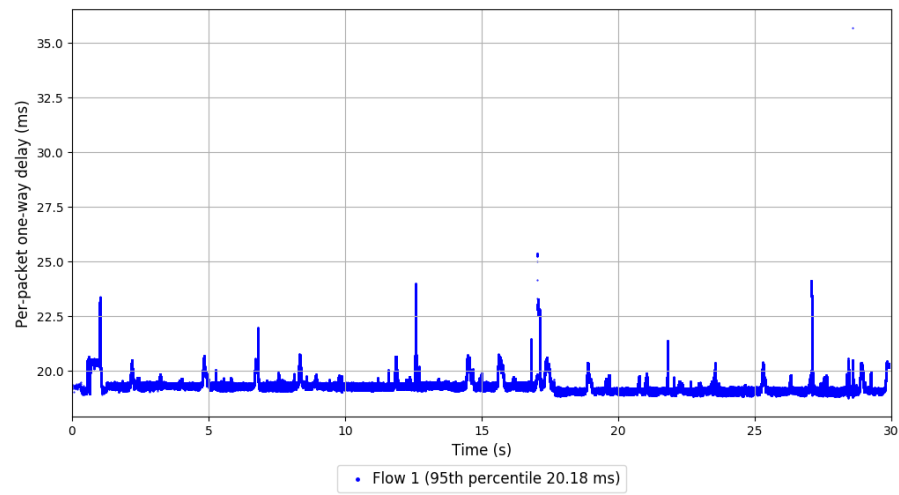
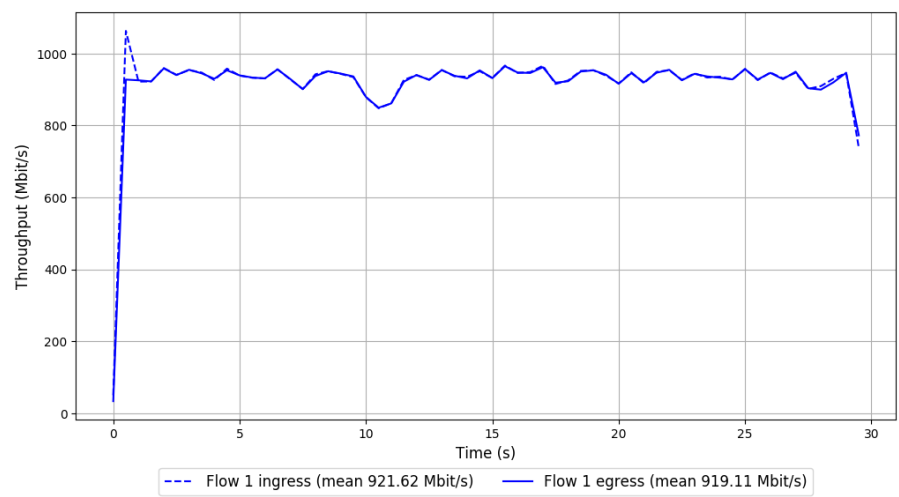
-- Flow 1:

Average throughput: 919.11 Mbit/s

95th percentile per-packet one-way delay: 20.182 ms

Loss rate: 0.27%

Run 9: Report of PCC — Data Link

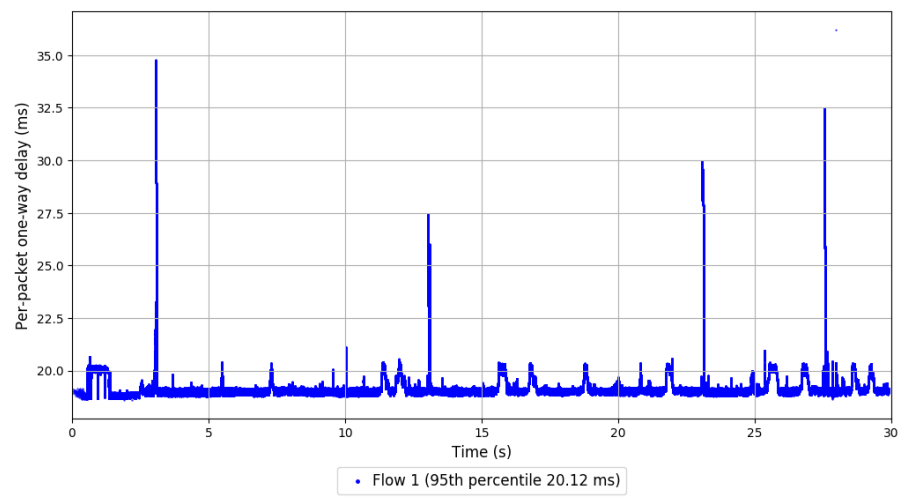
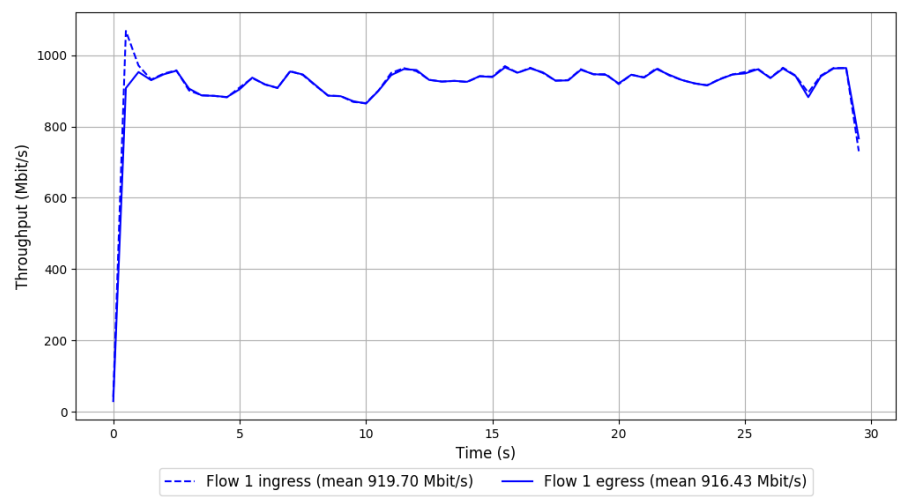


Run 10: Statistics of PCC

Start at: 2017-09-21 15:34:49
End at: 2017-09-21 15:35:19
Local clock offset: -0.368 ms
Remote clock offset: -2.673 ms

Below is generated by plot.py at 2017-09-21 17:43:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 916.43 Mbit/s
95th percentile per-packet one-way delay: 20.120 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 916.43 Mbit/s
95th percentile per-packet one-way delay: 20.120 ms
Loss rate: 0.36%

Run 10: Report of PCC — Data Link

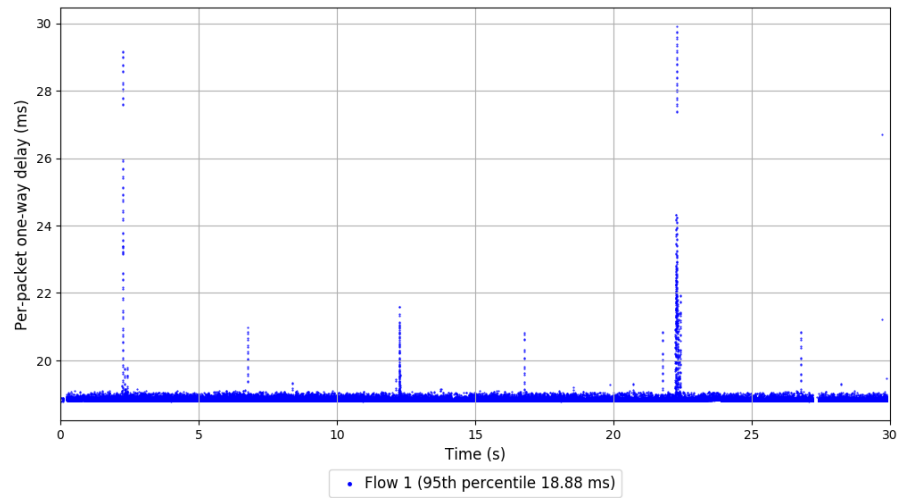
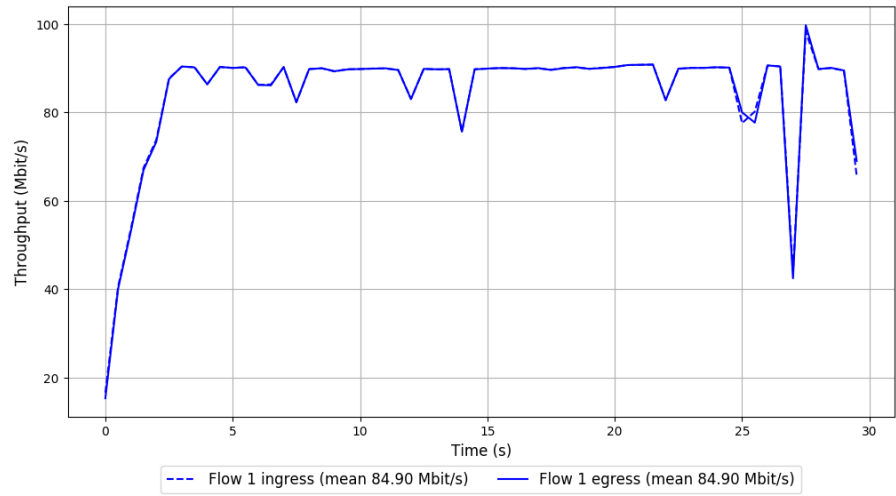


Run 1: Statistics of QUIC Cubic

Start at: 2017-09-21 12:40:18
End at: 2017-09-21 12:40:48
Local clock offset: -0.198 ms
Remote clock offset: -1.692 ms

Below is generated by plot.py at 2017-09-21 17:43:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.90 Mbit/s
95th percentile per-packet one-way delay: 18.880 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.90 Mbit/s
95th percentile per-packet one-way delay: 18.880 ms
Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link

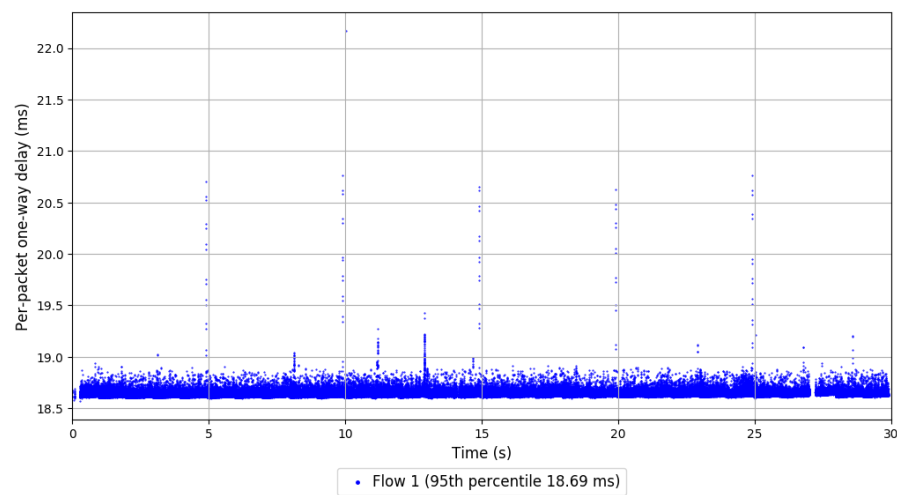
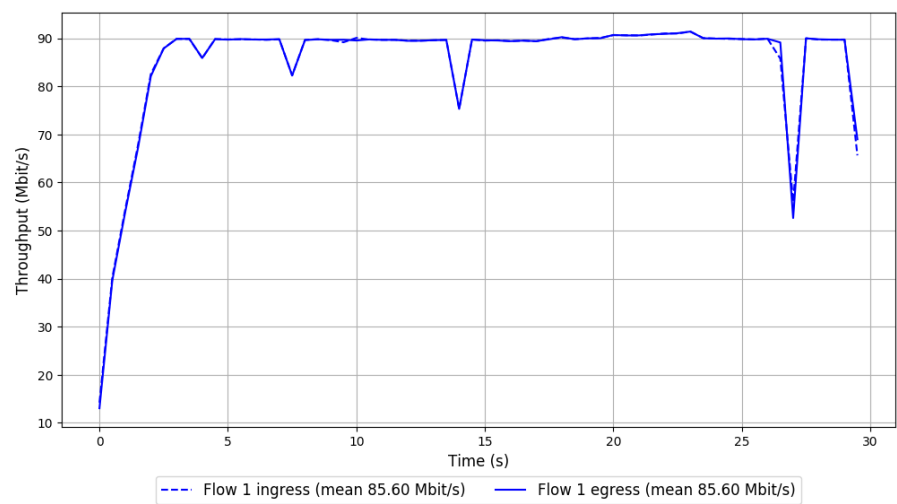


Run 2: Statistics of QUIC Cubic

Start at: 2017-09-21 12:59:01
End at: 2017-09-21 12:59:31
Local clock offset: -0.347 ms
Remote clock offset: -1.585 ms

Below is generated by plot.py at 2017-09-21 17:43:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.60 Mbit/s
95th percentile per-packet one-way delay: 18.690 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.60 Mbit/s
95th percentile per-packet one-way delay: 18.690 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2017-09-21 13:17:48

End at: 2017-09-21 13:18:18

Local clock offset: -0.677 ms

Remote clock offset: -2.11 ms

Below is generated by plot.py at 2017-09-21 17:43:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.84 Mbit/s

95th percentile per-packet one-way delay: 18.822 ms

Loss rate: 0.00%

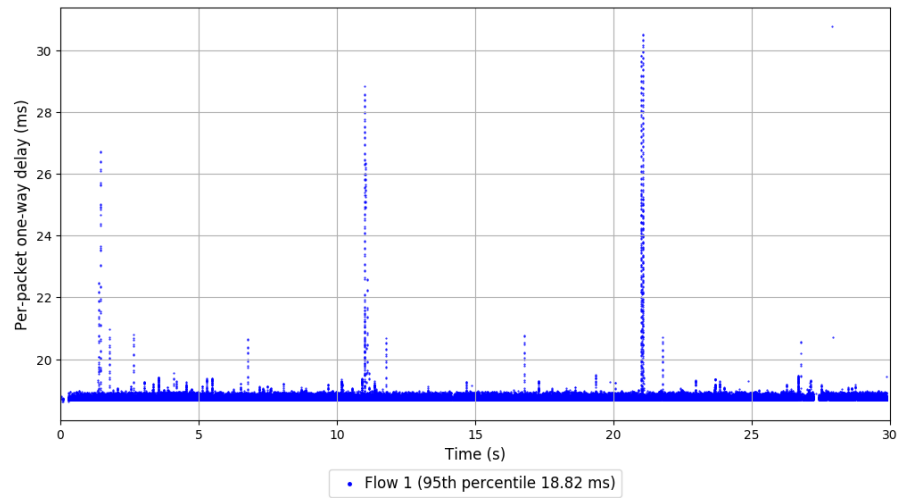
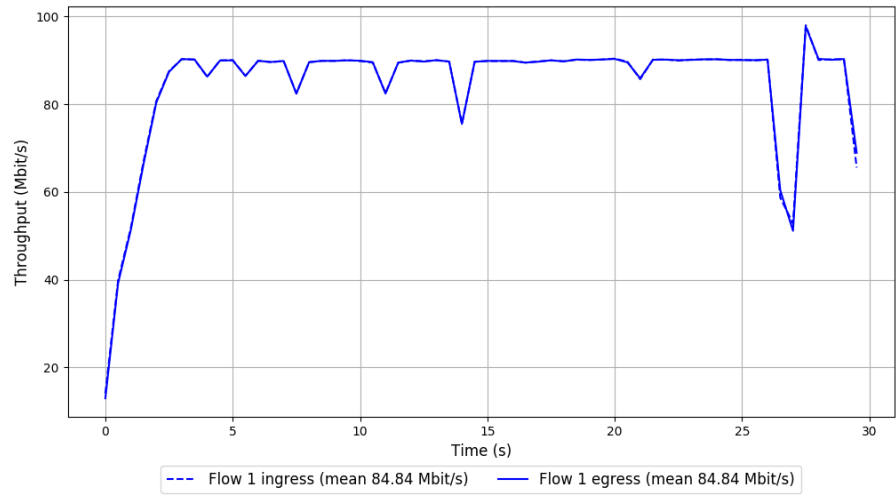
-- Flow 1:

Average throughput: 84.84 Mbit/s

95th percentile per-packet one-way delay: 18.822 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2017-09-21 13:36:27

End at: 2017-09-21 13:36:57

Local clock offset: -0.564 ms

Remote clock offset: -2.424 ms

Below is generated by plot.py at 2017-09-21 17:43:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.24 Mbit/s

95th percentile per-packet one-way delay: 18.927 ms

Loss rate: 0.00%

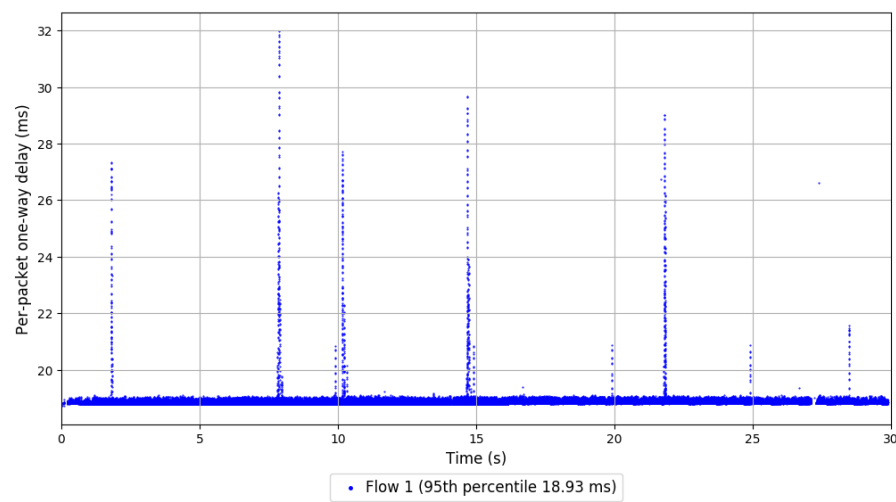
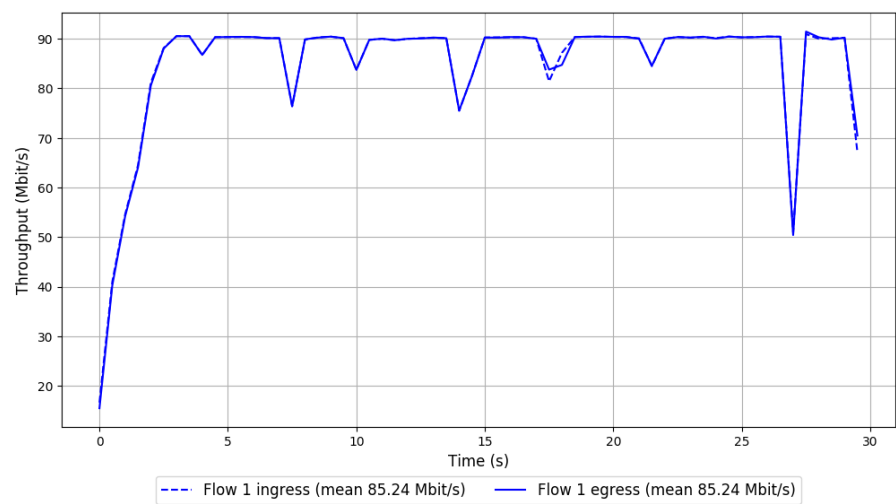
-- Flow 1:

Average throughput: 85.24 Mbit/s

95th percentile per-packet one-way delay: 18.927 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

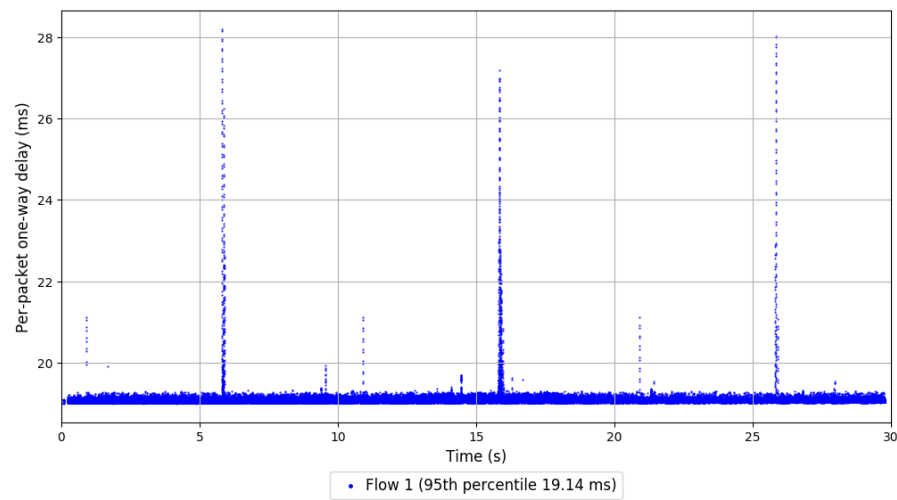
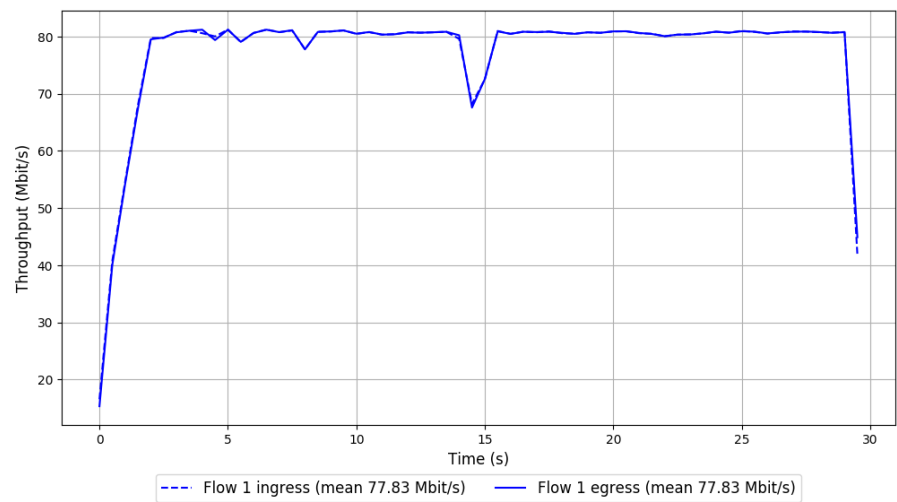


Run 5: Statistics of QUIC Cubic

Start at: 2017-09-21 13:55:01
End at: 2017-09-21 13:55:31
Local clock offset: -0.593 ms
Remote clock offset: -2.241 ms

Below is generated by plot.py at 2017-09-21 17:43:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.83 Mbit/s
95th percentile per-packet one-way delay: 19.137 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.83 Mbit/s
95th percentile per-packet one-way delay: 19.137 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

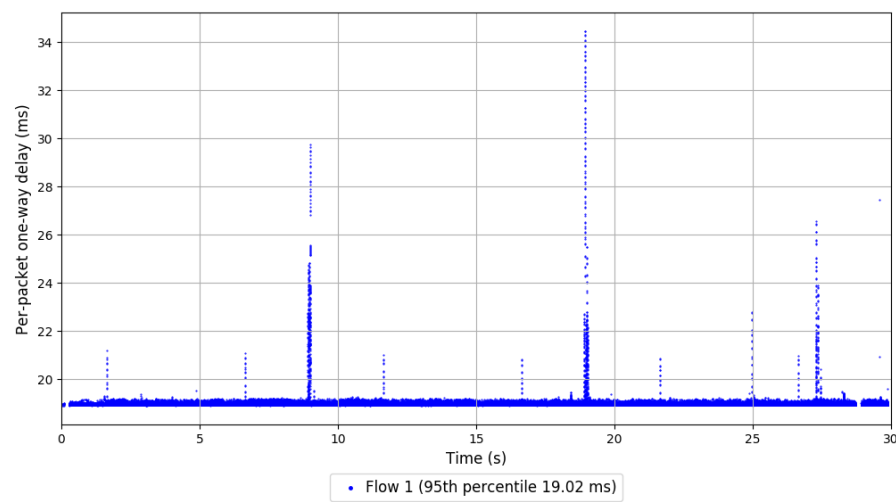
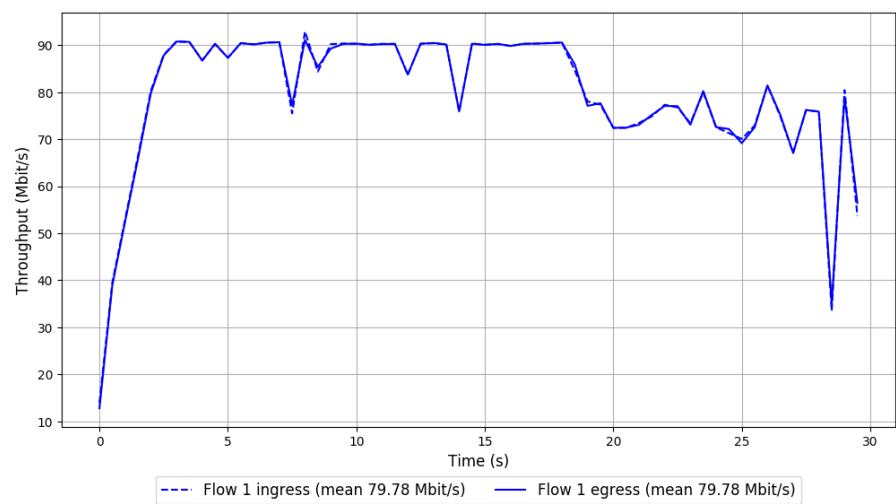


Run 6: Statistics of QUIC Cubic

Start at: 2017-09-21 14:13:58
End at: 2017-09-21 14:14:28
Local clock offset: -0.619 ms
Remote clock offset: -2.567 ms

Below is generated by plot.py at 2017-09-21 17:43:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.78 Mbit/s
95th percentile per-packet one-way delay: 19.024 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 79.78 Mbit/s
95th percentile per-packet one-way delay: 19.024 ms
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

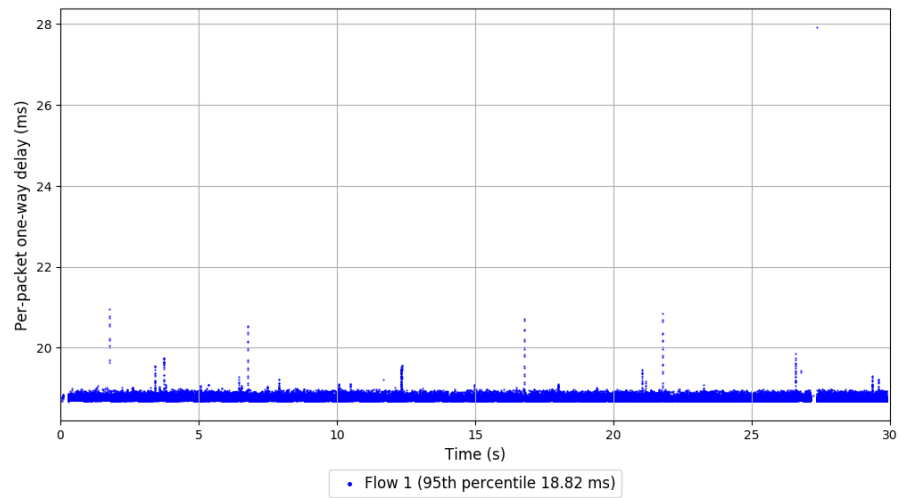
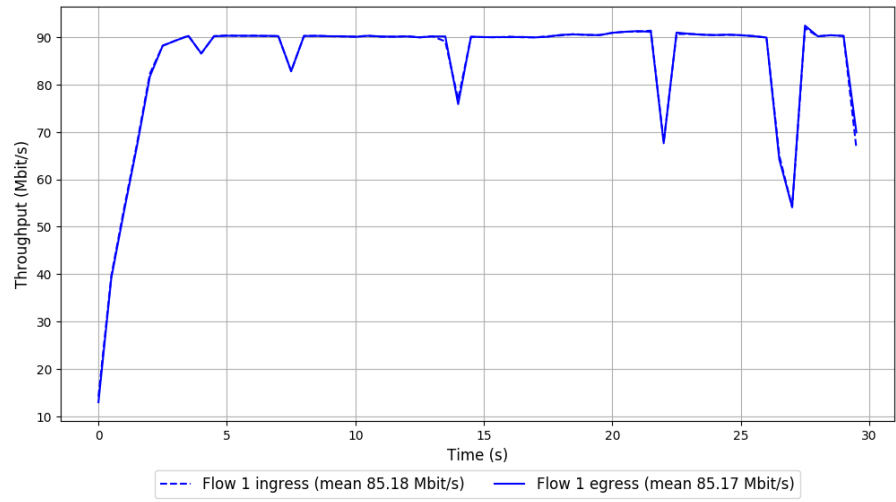


Run 7: Statistics of QUIC Cubic

Start at: 2017-09-21 14:32:29
End at: 2017-09-21 14:32:59
Local clock offset: -0.732 ms
Remote clock offset: -2.474 ms

Below is generated by plot.py at 2017-09-21 17:43:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.17 Mbit/s
95th percentile per-packet one-way delay: 18.820 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.17 Mbit/s
95th percentile per-packet one-way delay: 18.820 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

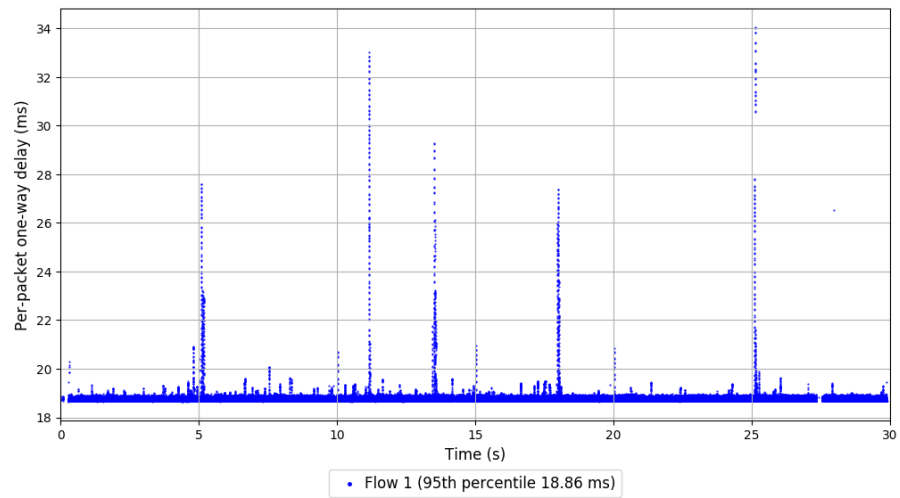
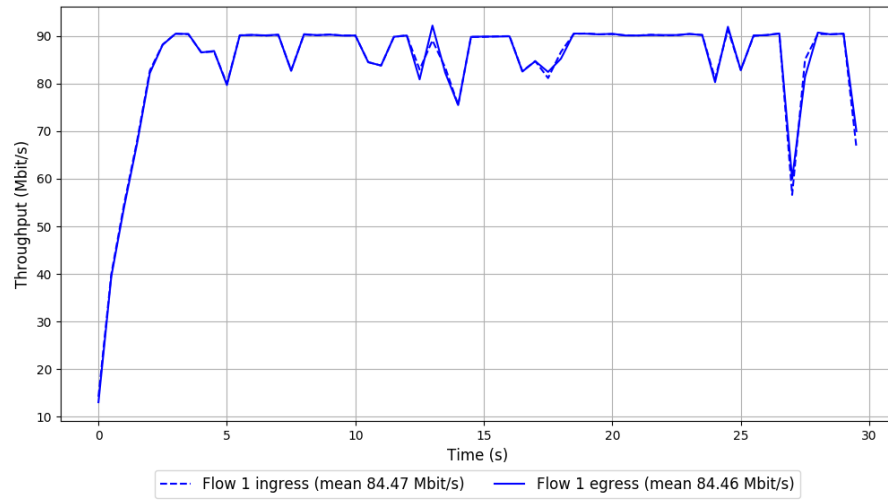


Run 8: Statistics of QUIC Cubic

Start at: 2017-09-21 14:50:57
End at: 2017-09-21 14:51:27
Local clock offset: -0.729 ms
Remote clock offset: -2.418 ms

Below is generated by plot.py at 2017-09-21 17:43:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.46 Mbit/s
95th percentile per-packet one-way delay: 18.859 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 84.46 Mbit/s
95th percentile per-packet one-way delay: 18.859 ms
Loss rate: 0.01%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2017-09-21 15:09:26

End at: 2017-09-21 15:09:56

Local clock offset: -0.556 ms

Remote clock offset: -2.711 ms

Below is generated by plot.py at 2017-09-21 17:43:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.12 Mbit/s

95th percentile per-packet one-way delay: 18.986 ms

Loss rate: 0.00%

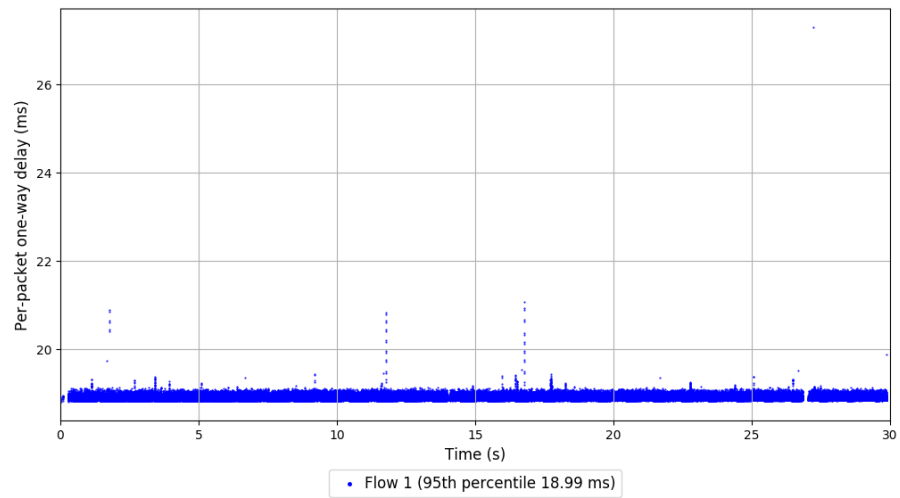
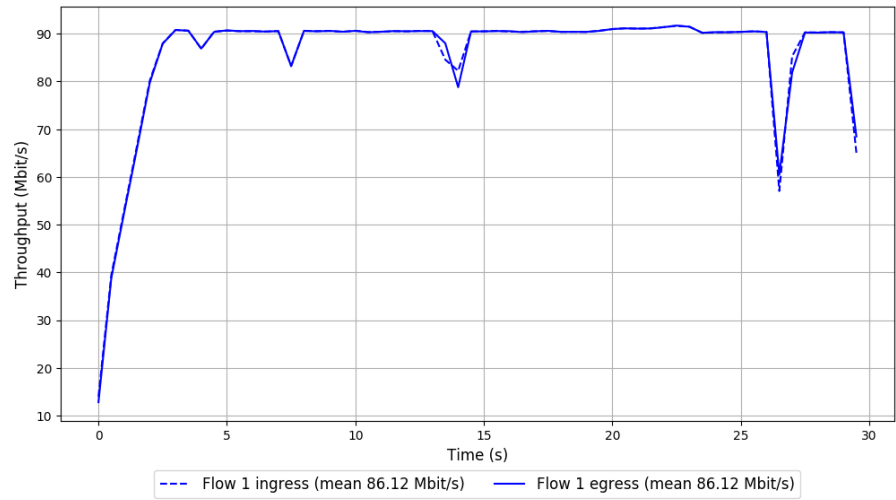
-- Flow 1:

Average throughput: 86.12 Mbit/s

95th percentile per-packet one-way delay: 18.986 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link

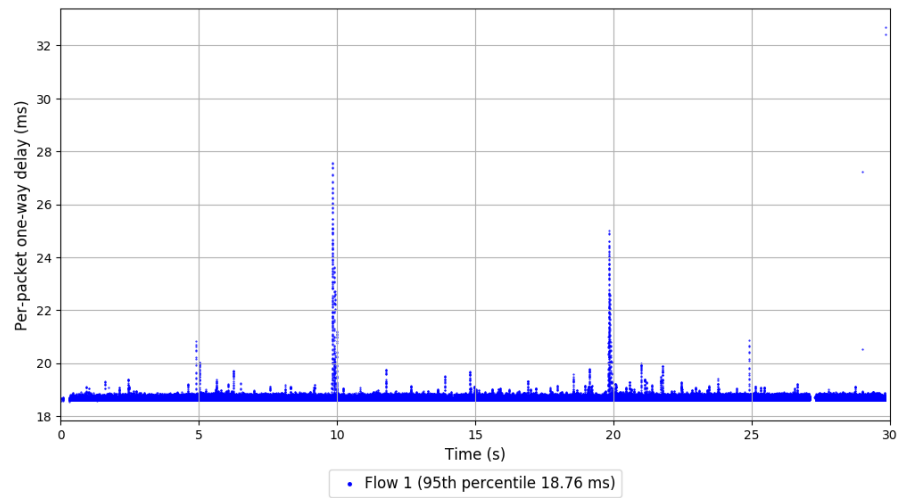
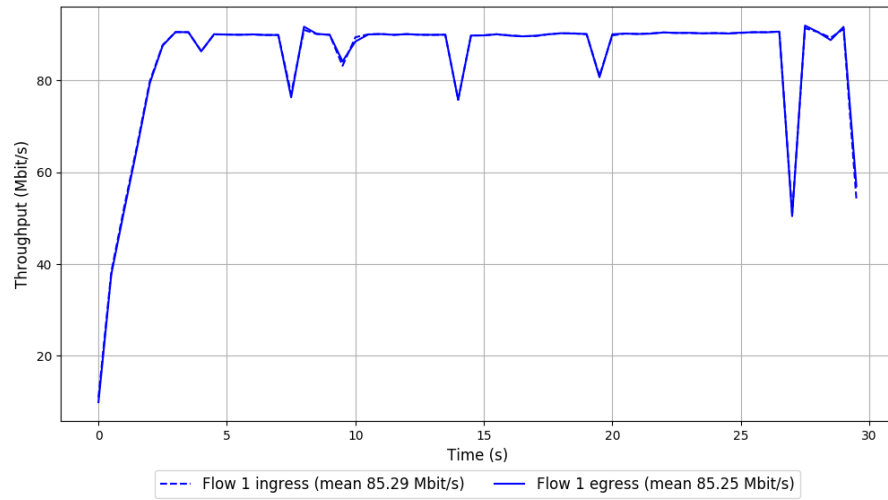


Run 10: Statistics of QUIC Cubic

Start at: 2017-09-21 15:28:07
End at: 2017-09-21 15:28:37
Local clock offset: -0.347 ms
Remote clock offset: -2.693 ms

Below is generated by plot.py at 2017-09-21 17:43:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.25 Mbit/s
95th percentile per-packet one-way delay: 18.757 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 85.25 Mbit/s
95th percentile per-packet one-way delay: 18.757 ms
Loss rate: 0.01%

Run 10: Report of QUIC Cubic — Data Link

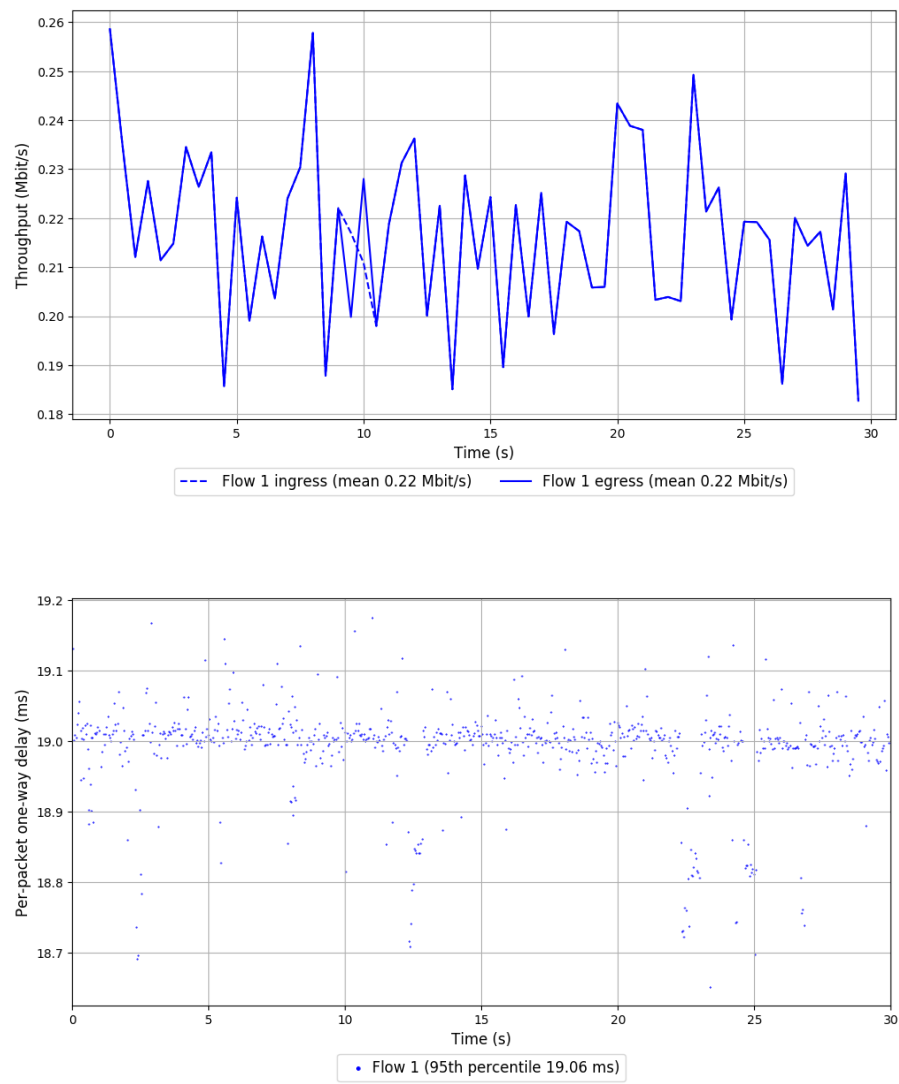


```
Run 1: Statistics of SCReAM

Start at: 2017-09-21 12:39:08
End at: 2017-09-21 12:39:39
Local clock offset: -0.303 ms
Remote clock offset: -1.702 ms

# Below is generated by plot.py at 2017-09-21 17:43:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.063 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.063 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

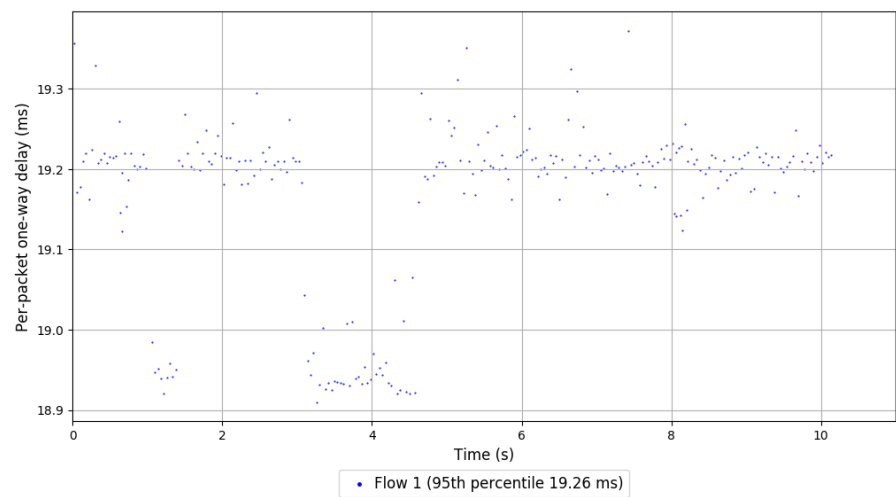
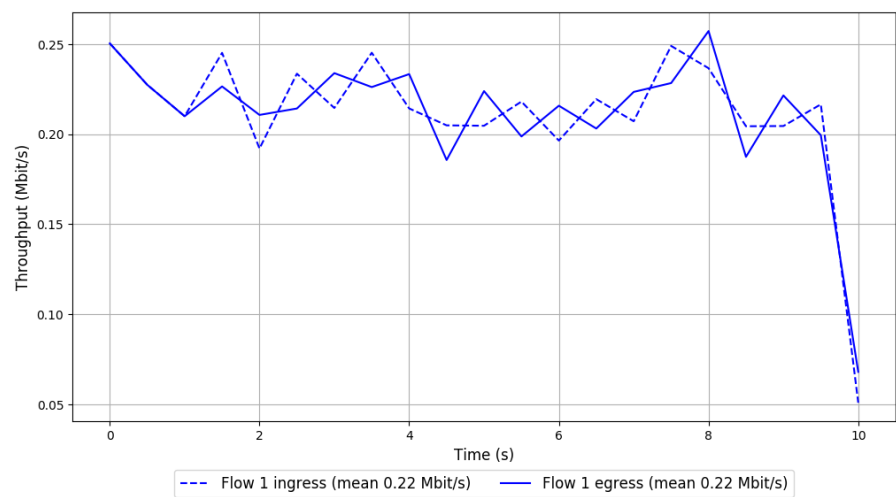
Start at: 2017-09-21 12:57:52

End at: 2017-09-21 12:58:22

Local clock offset: -0.351 ms

Remote clock offset: -1.528 ms

Run 2: Report of SReAM — Data Link

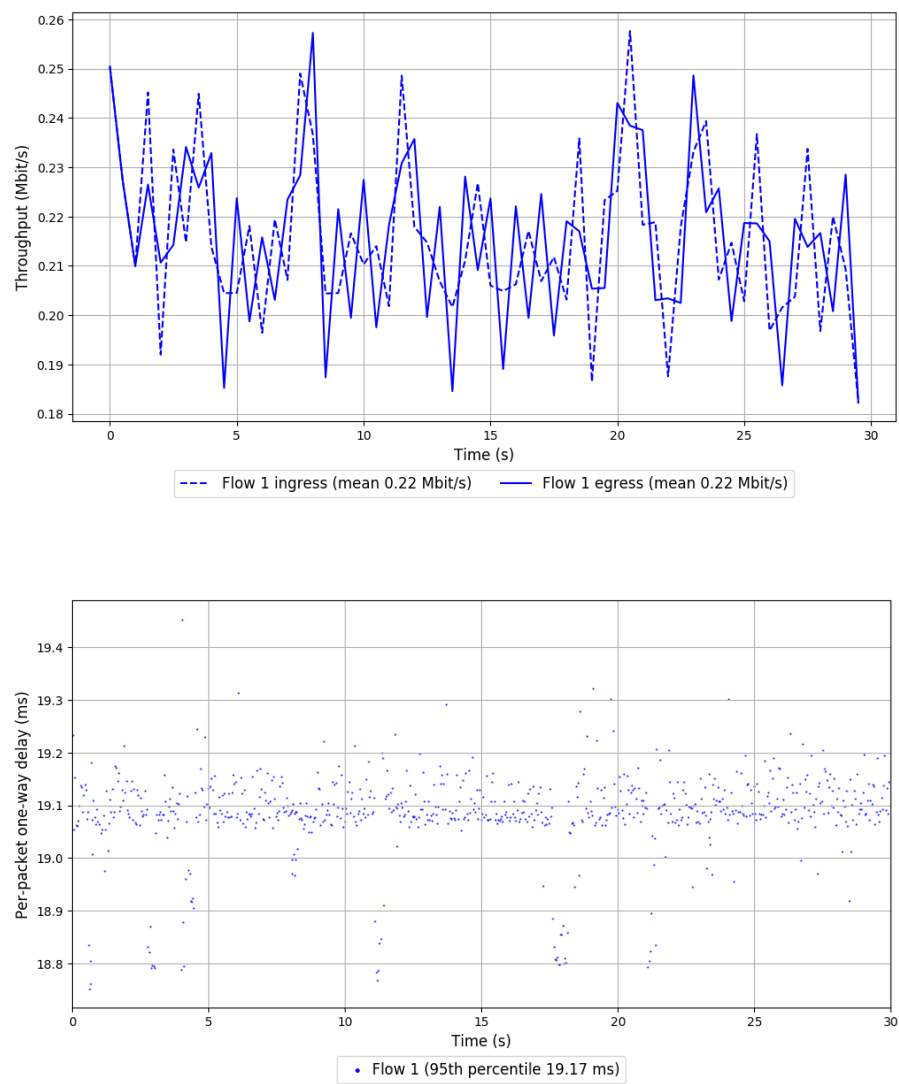


Run 3: Statistics of SCReAM

Start at: 2017-09-21 13:16:38
End at: 2017-09-21 13:17:08
Local clock offset: -0.664 ms
Remote clock offset: -1.991 ms

Below is generated by plot.py at 2017-09-21 17:43:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.174 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.174 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

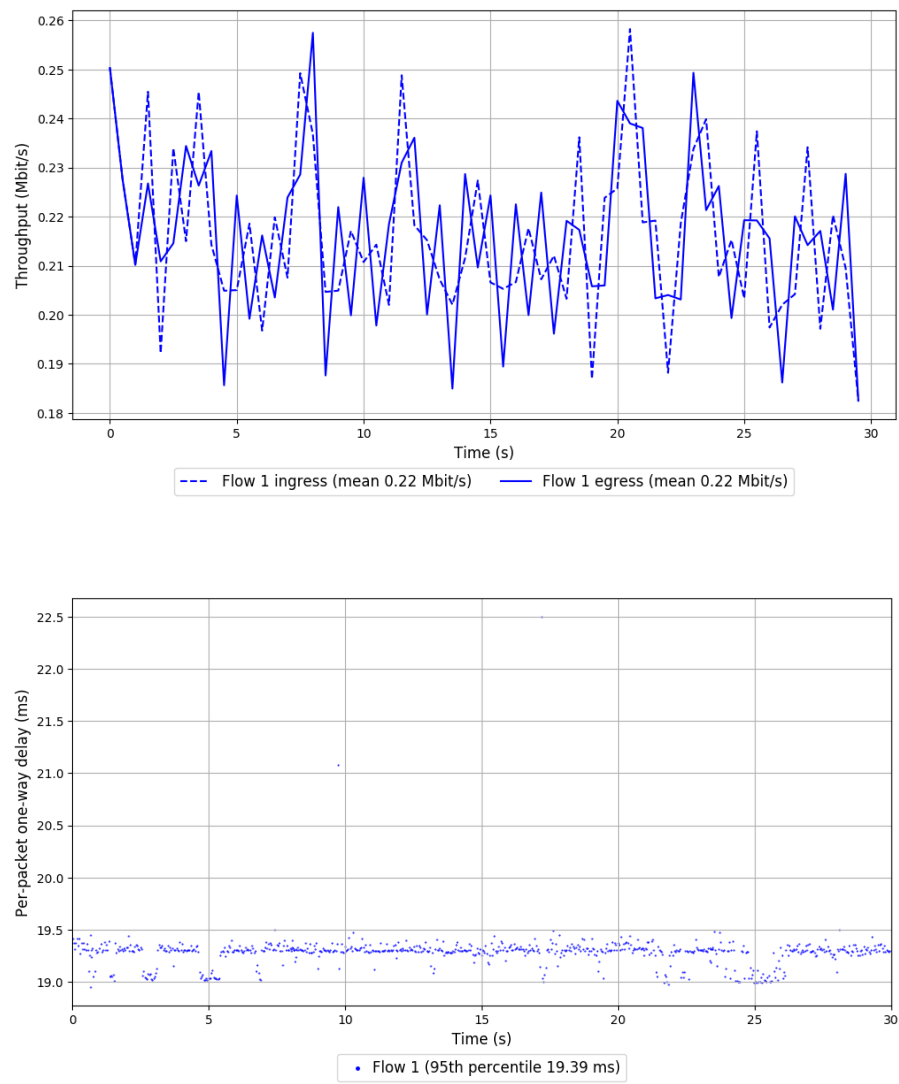


Run 4: Statistics of SCReAM

Start at: 2017-09-21 13:35:17
End at: 2017-09-21 13:35:47
Local clock offset: -0.664 ms
Remote clock offset: -2.347 ms

Below is generated by plot.py at 2017-09-21 17:43:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.385 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.385 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

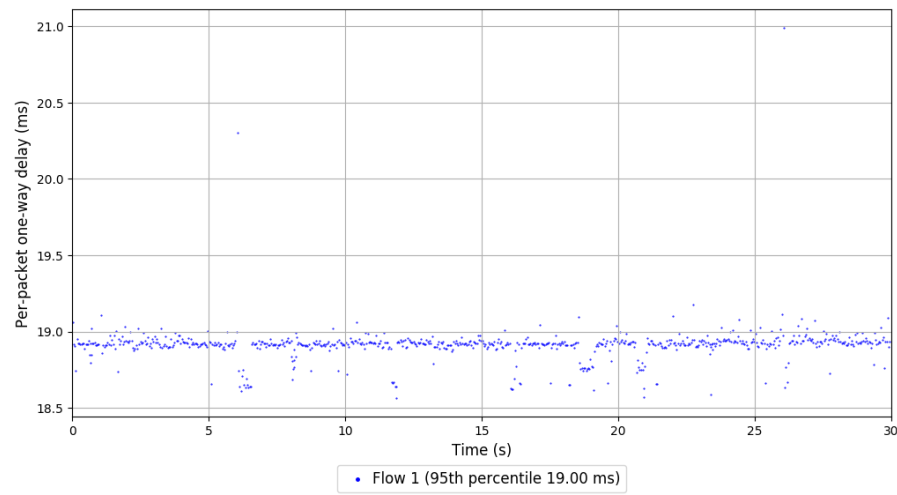
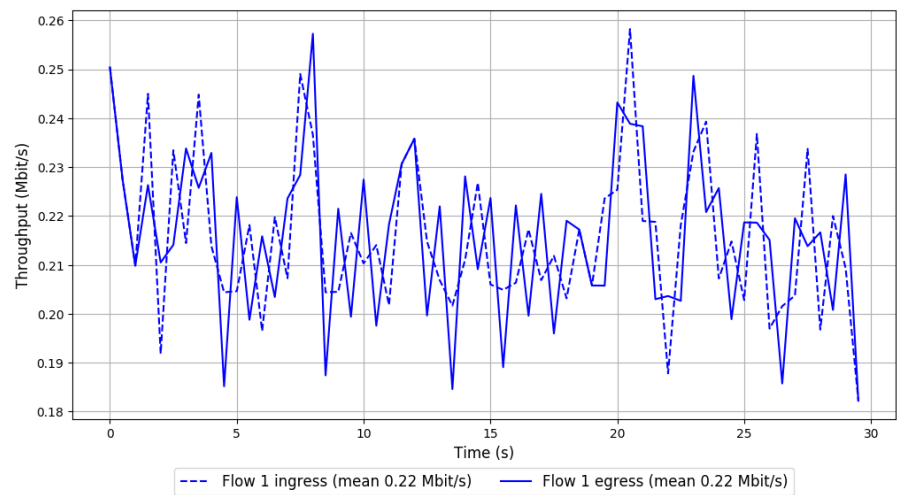


Run 5: Statistics of SCReAM

Start at: 2017-09-21 13:53:51
End at: 2017-09-21 13:54:21
Local clock offset: -0.483 ms
Remote clock offset: -2.295 ms

Below is generated by plot.py at 2017-09-21 17:43:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.995 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.995 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

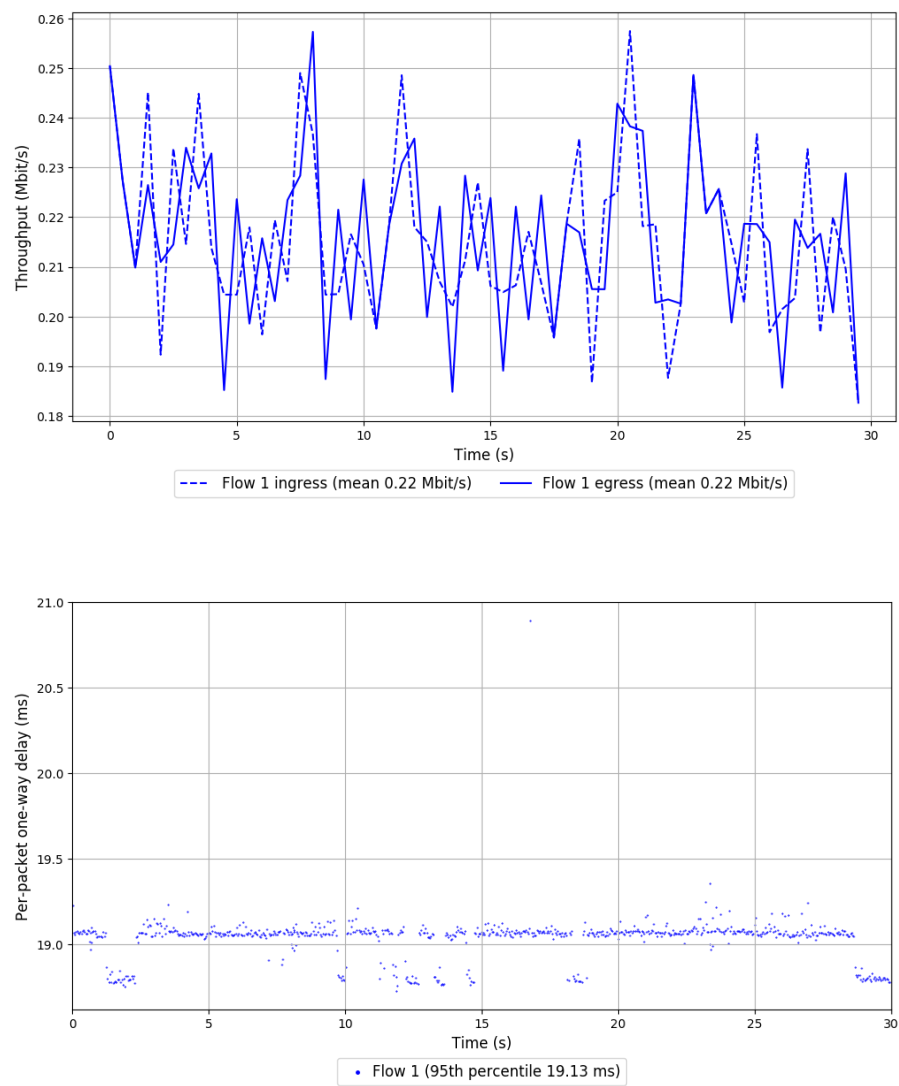


Run 6: Statistics of SCReAM

Start at: 2017-09-21 14:12:48
End at: 2017-09-21 14:13:18
Local clock offset: -0.631 ms
Remote clock offset: -2.515 ms

Below is generated by plot.py at 2017-09-21 17:43:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.126 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.126 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

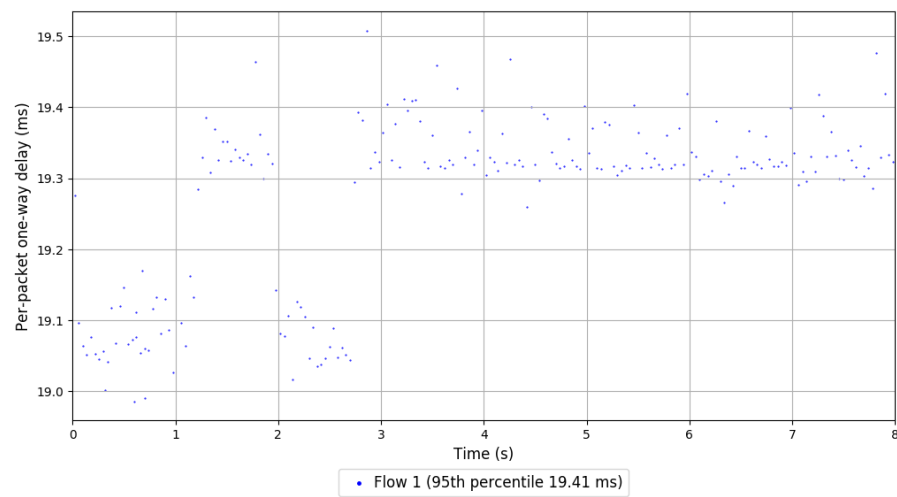
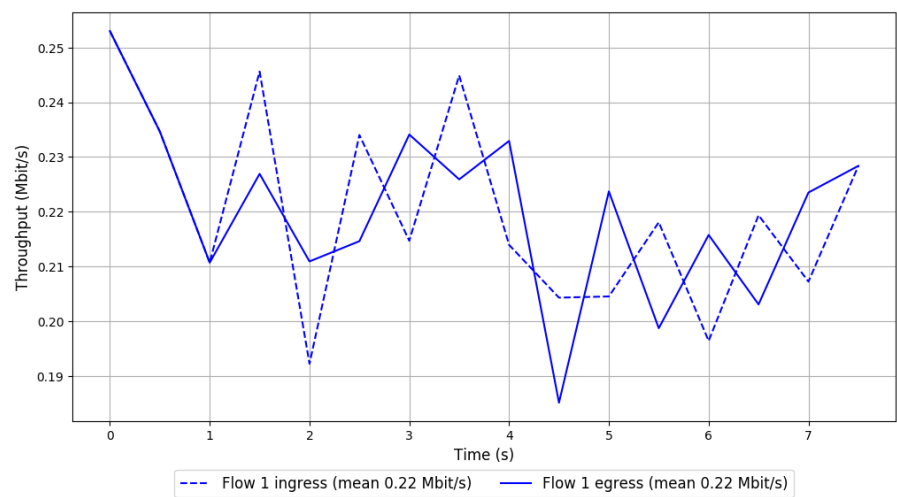
Start at: 2017-09-21 14:31:19

End at: 2017-09-21 14:31:49

Local clock offset: -0.732 ms

Remote clock offset: -2.395 ms

Run 7: Report of SReAM — Data Link

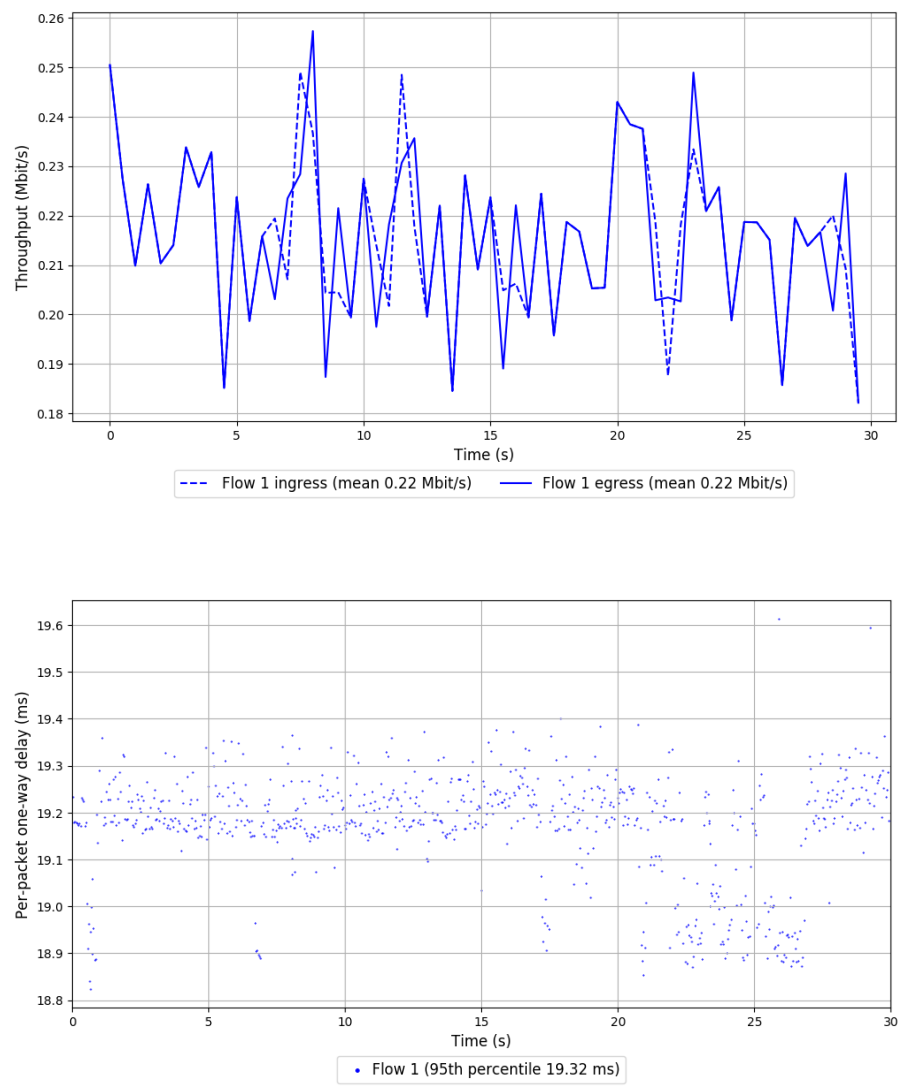


Run 8: Statistics of SCReAM

Start at: 2017-09-21 14:49:46
End at: 2017-09-21 14:50:16
Local clock offset: -0.63 ms
Remote clock offset: -2.334 ms

Below is generated by plot.py at 2017-09-21 17:43:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.320 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.320 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

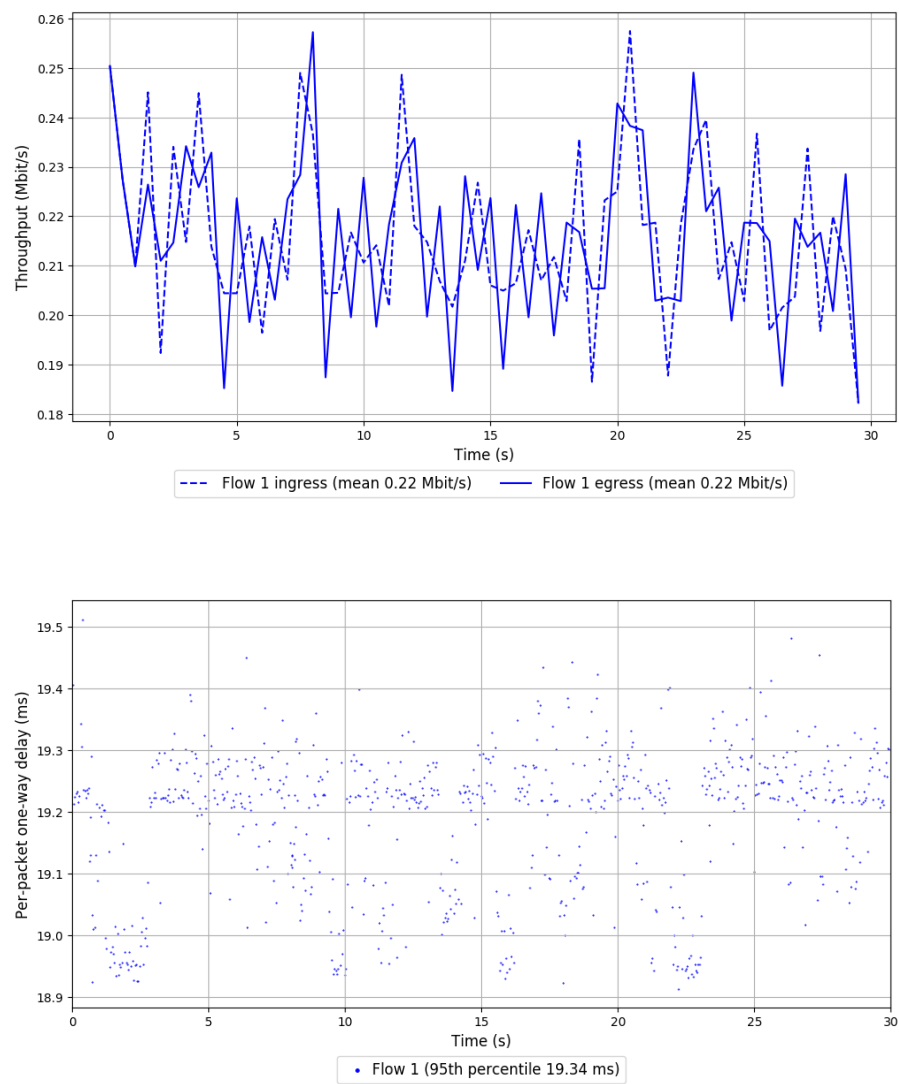


Run 9: Statistics of SCReAM

Start at: 2017-09-21 15:08:16
End at: 2017-09-21 15:08:46
Local clock offset: -0.582 ms
Remote clock offset: -2.648 ms

Below is generated by plot.py at 2017-09-21 17:43:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.335 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.335 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

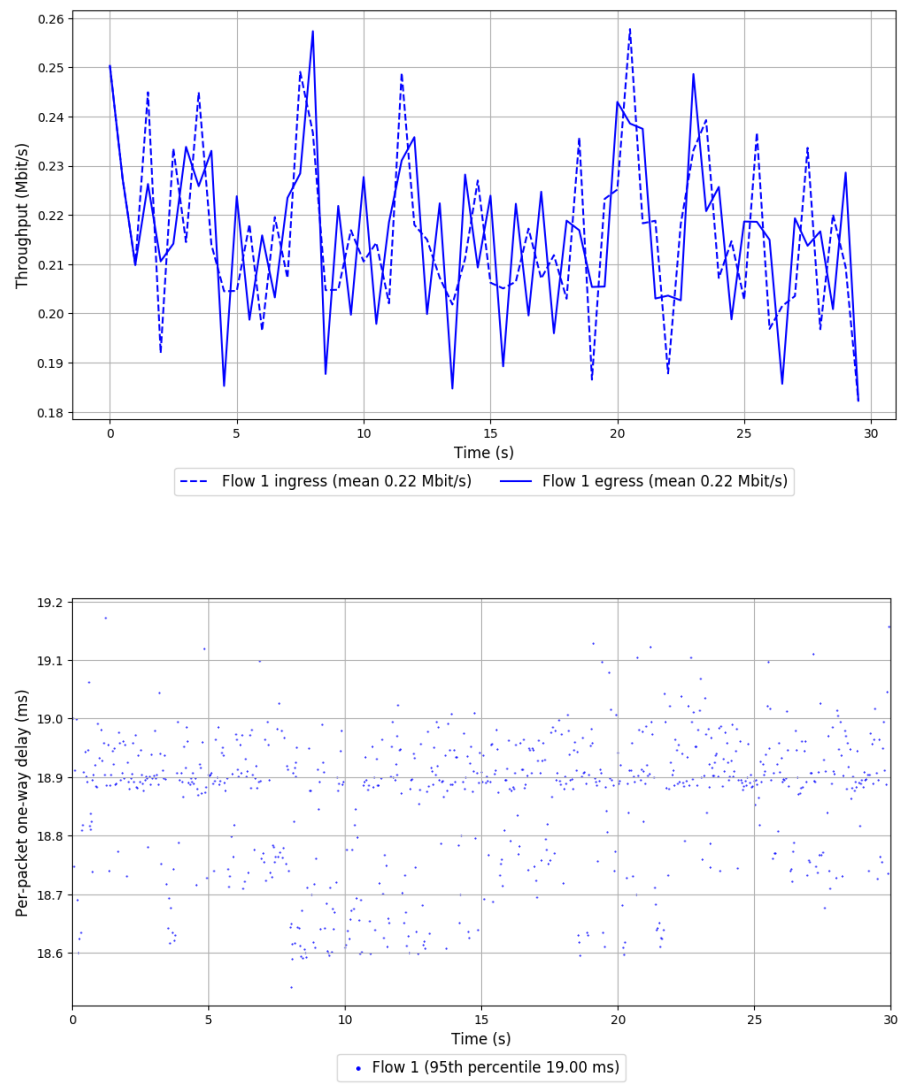


Run 10: Statistics of SReAM

Start at: 2017-09-21 15:26:57
End at: 2017-09-21 15:27:27
Local clock offset: -0.348 ms
Remote clock offset: -2.689 ms

Below is generated by plot.py at 2017-09-21 17:43:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.999 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.999 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of WebRTC media

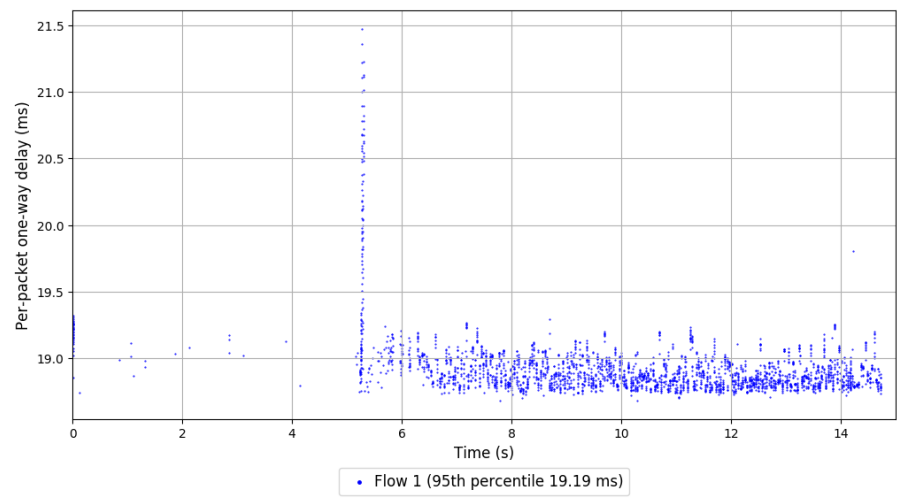
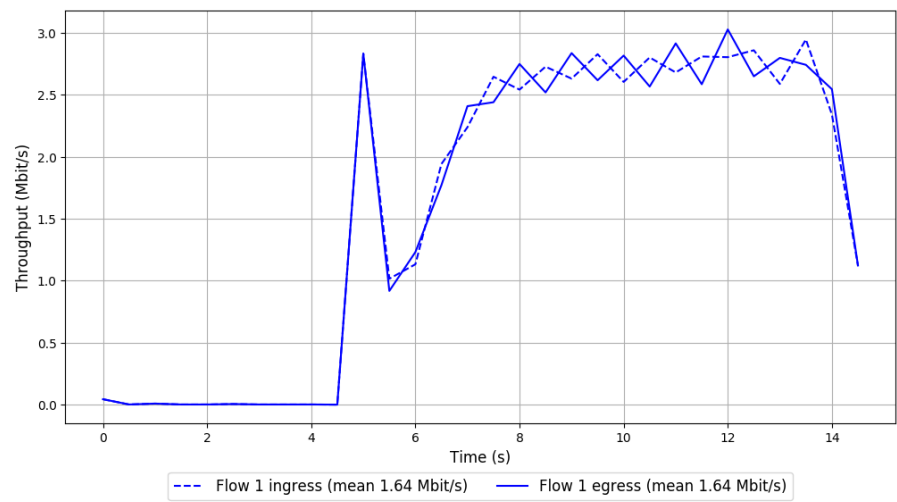
Start at: 2017-09-21 12:34:02

End at: 2017-09-21 12:34:32

Local clock offset: -0.29 ms

Remote clock offset: -1.645 ms

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

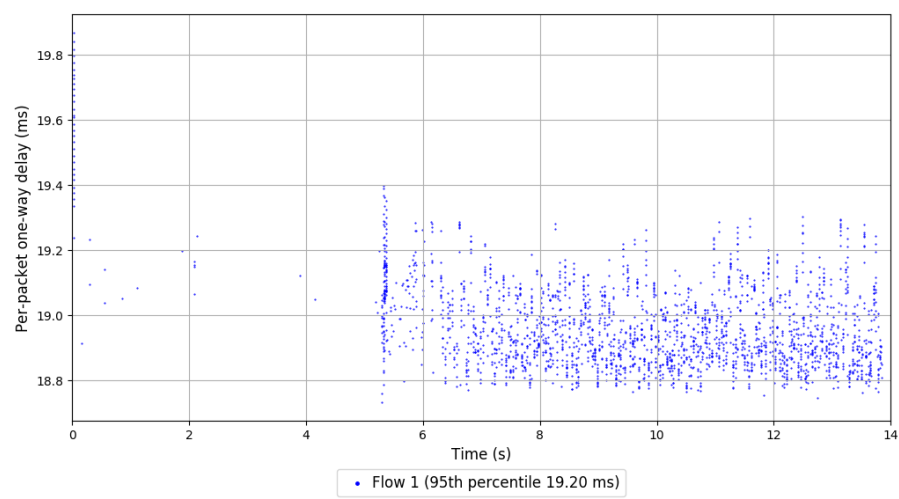
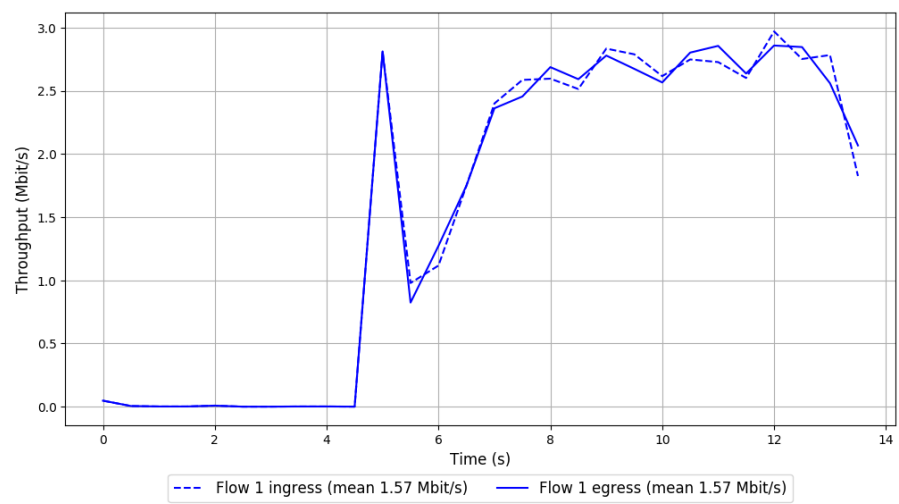
Start at: 2017-09-21 12:52:46

End at: 2017-09-21 12:53:16

Local clock offset: -0.271 ms

Remote clock offset: -1.567 ms

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

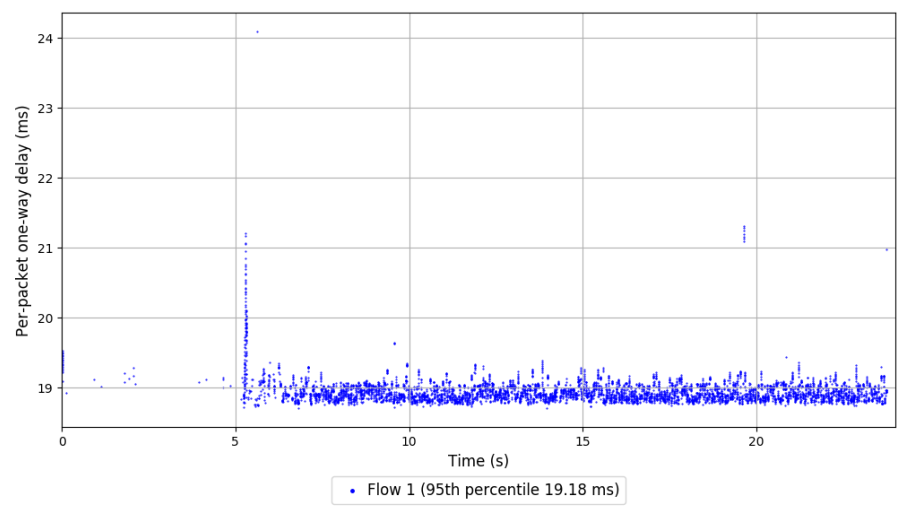
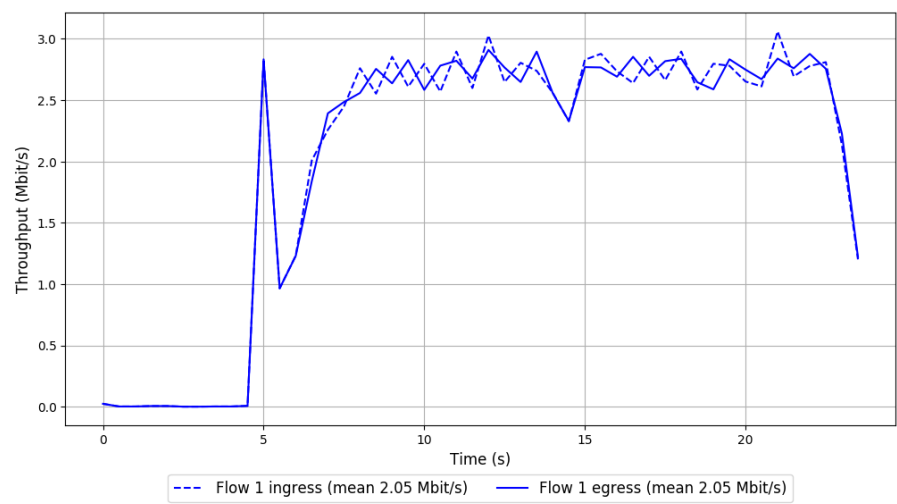
Start at: 2017-09-21 13:11:32

End at: 2017-09-21 13:12:02

Local clock offset: -0.505 ms

Remote clock offset: -2.009 ms

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

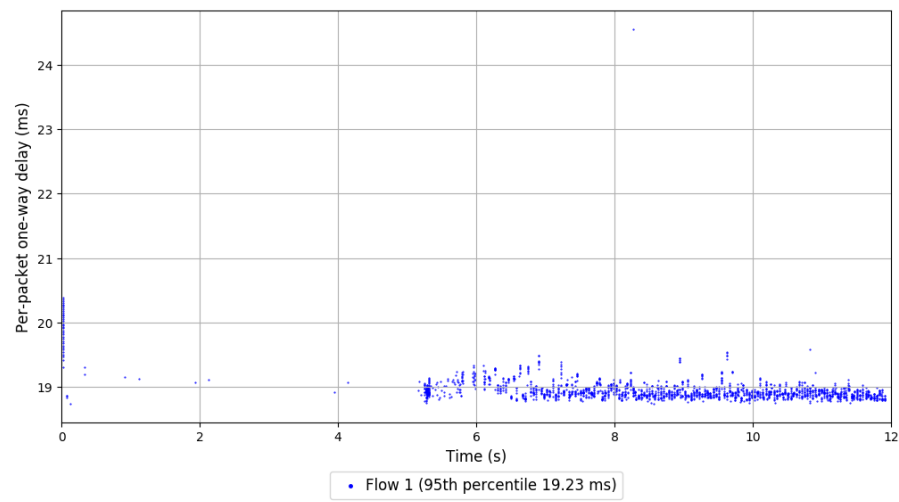
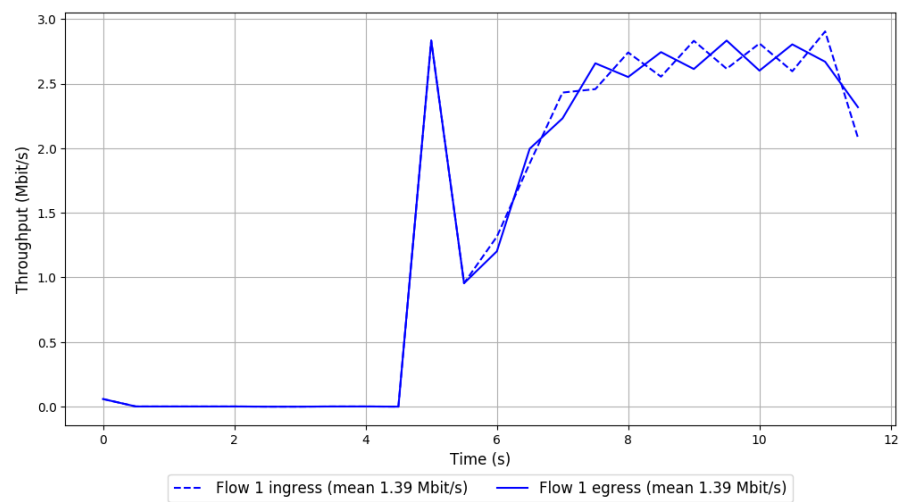
Start at: 2017-09-21 13:30:17

End at: 2017-09-21 13:30:47

Local clock offset: -0.588 ms

Remote clock offset: -2.48 ms

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

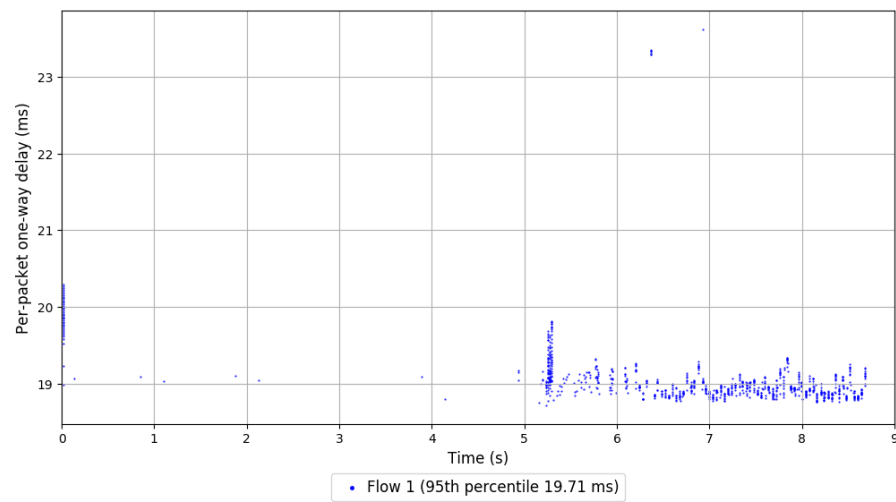
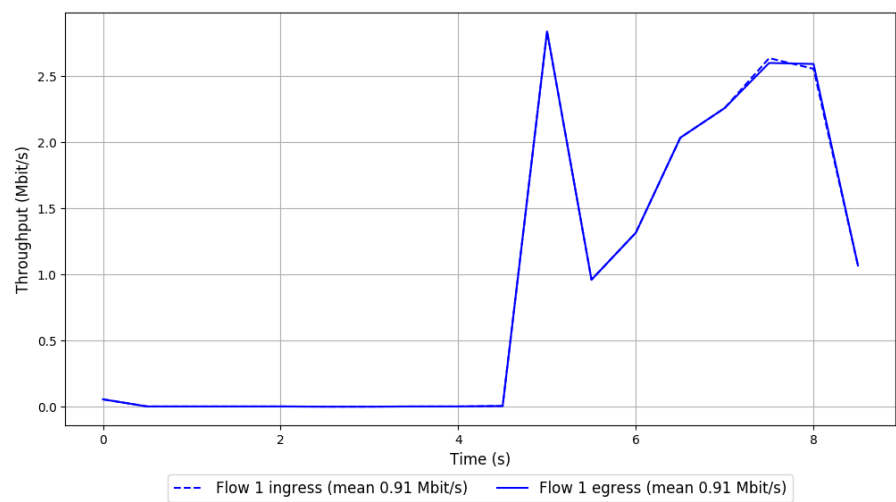
Start at: 2017-09-21 13:48:46

End at: 2017-09-21 13:49:16

Local clock offset: -0.616 ms

Remote clock offset: -2.165 ms

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2017-09-21 14:07:39

End at: 2017-09-21 14:08:09

Local clock offset: -0.58 ms

Remote clock offset: -2.54 ms

Below is generated by plot.py at 2017-09-21 17:43:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.44 Mbit/s

95th percentile per-packet one-way delay: 17.600 ms

Loss rate: 0.02%

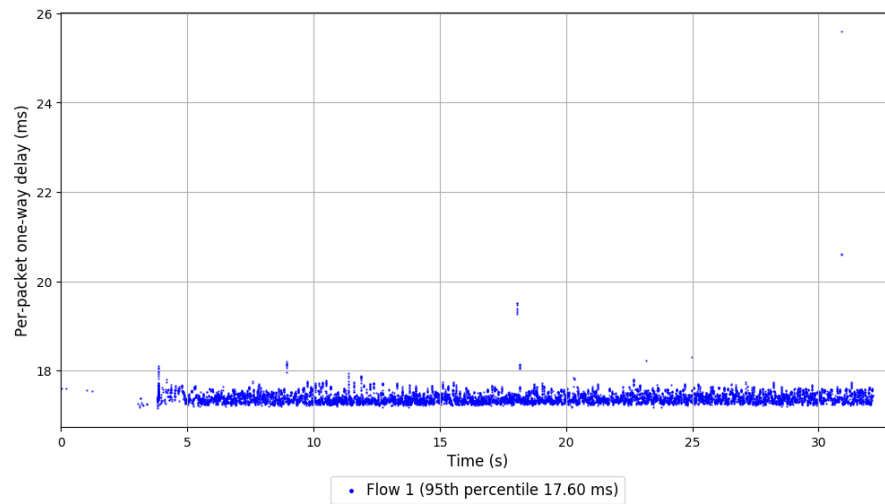
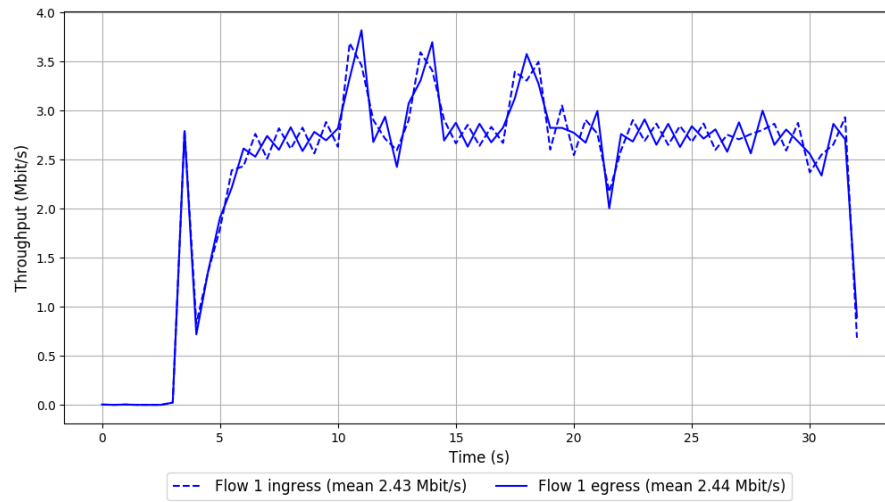
-- Flow 1:

Average throughput: 2.44 Mbit/s

95th percentile per-packet one-way delay: 17.600 ms

Loss rate: 0.02%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

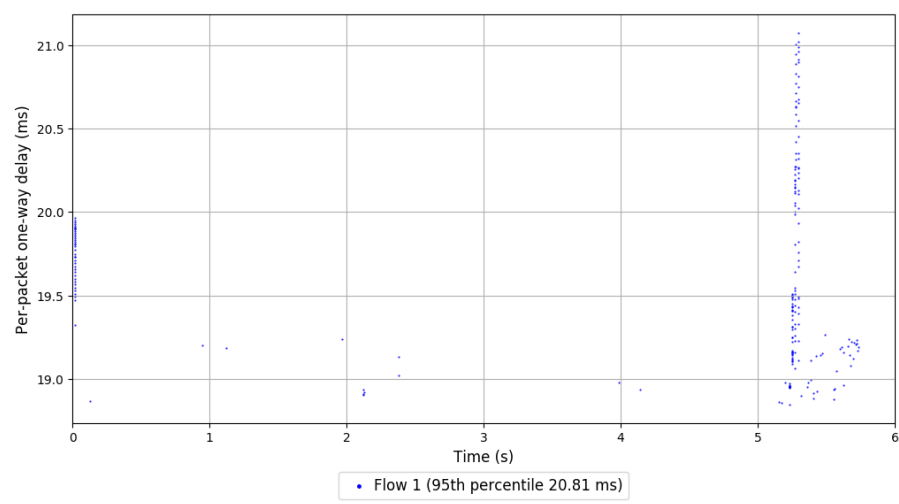
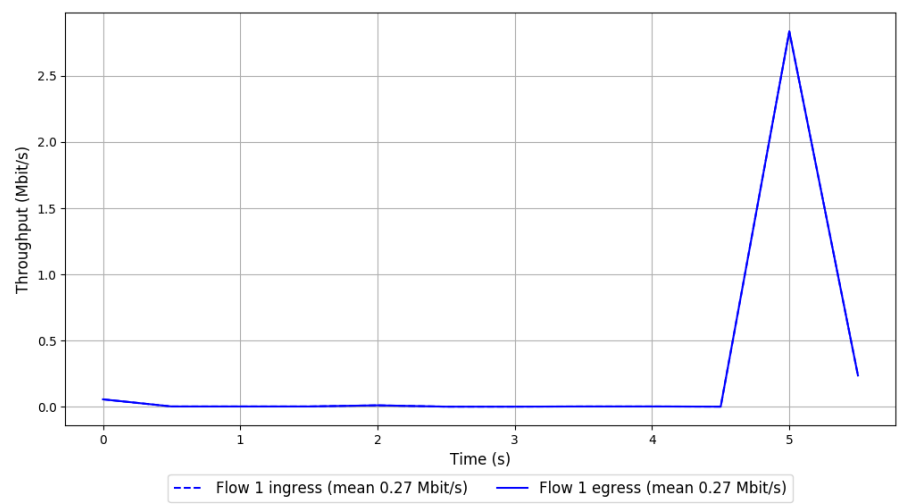
Start at: 2017-09-21 14:26:17

End at: 2017-09-21 14:26:48

Local clock offset: -0.703 ms

Remote clock offset: -2.594 ms

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

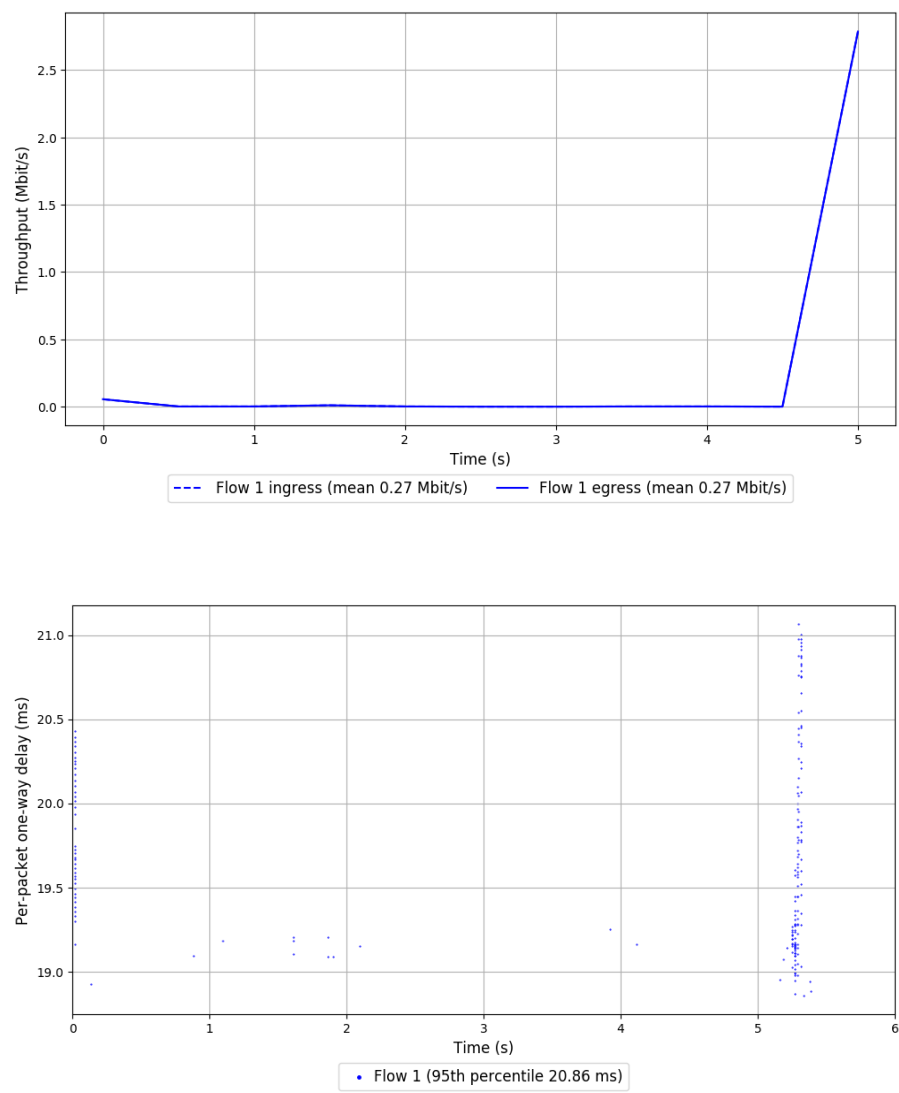
Start at: 2017-09-21 14:44:39

End at: 2017-09-21 14:45:09

Local clock offset: -0.602 ms

Remote clock offset: -2.194 ms

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

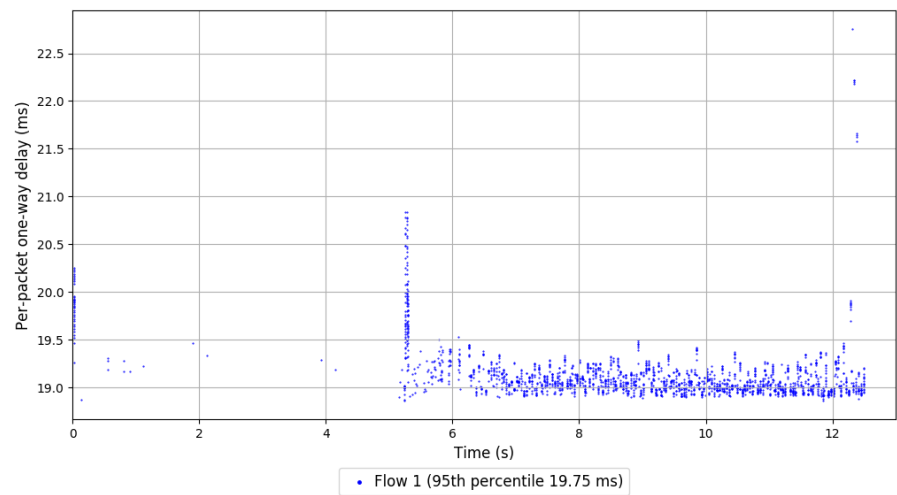
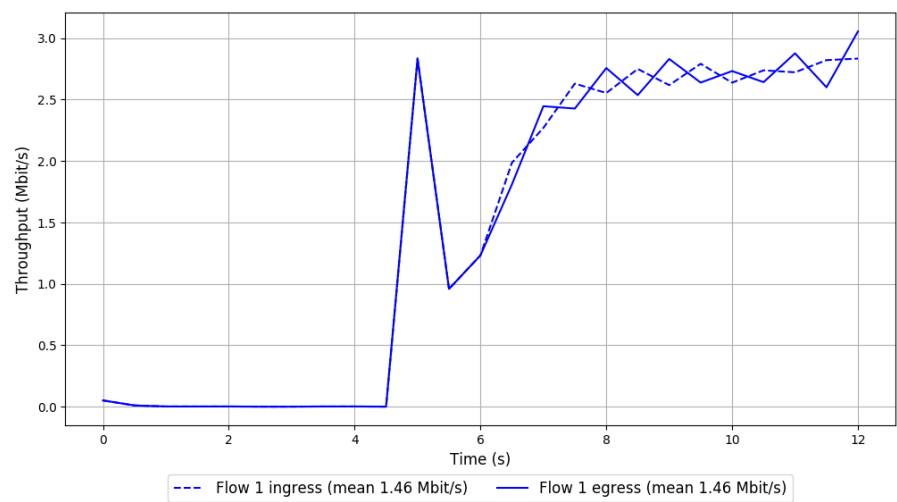
Start at: 2017-09-21 15:03:12

End at: 2017-09-21 15:03:42

Local clock offset: -0.694 ms

Remote clock offset: -2.644 ms

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

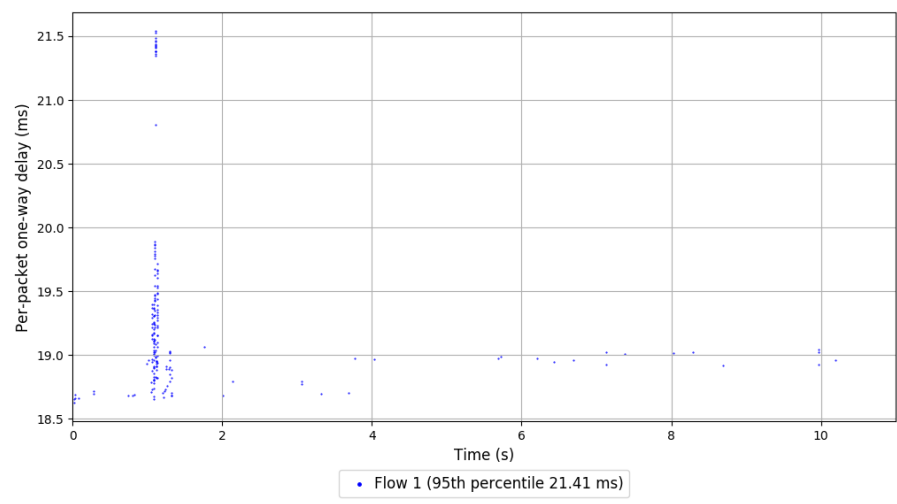
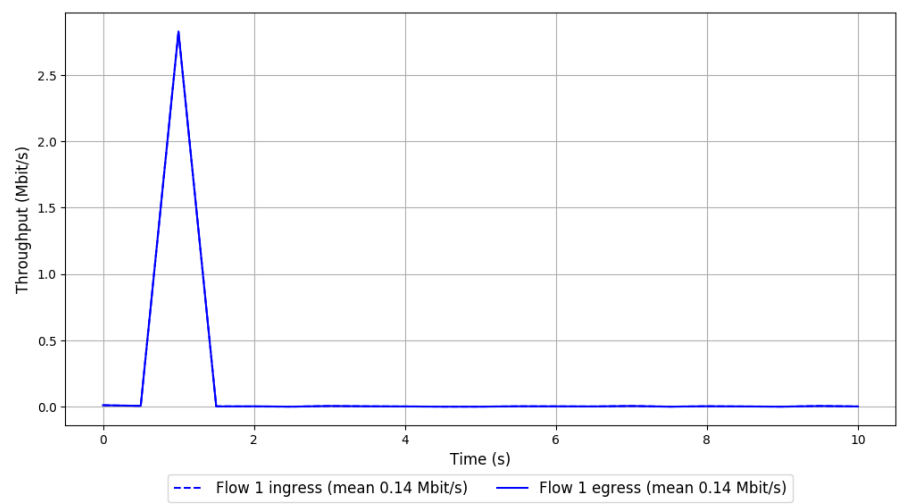
Start at: 2017-09-21 15:21:50

End at: 2017-09-21 15:22:20

Local clock offset: -0.417 ms

Remote clock offset: -2.599 ms

Run 10: Report of WebRTC media — Data Link

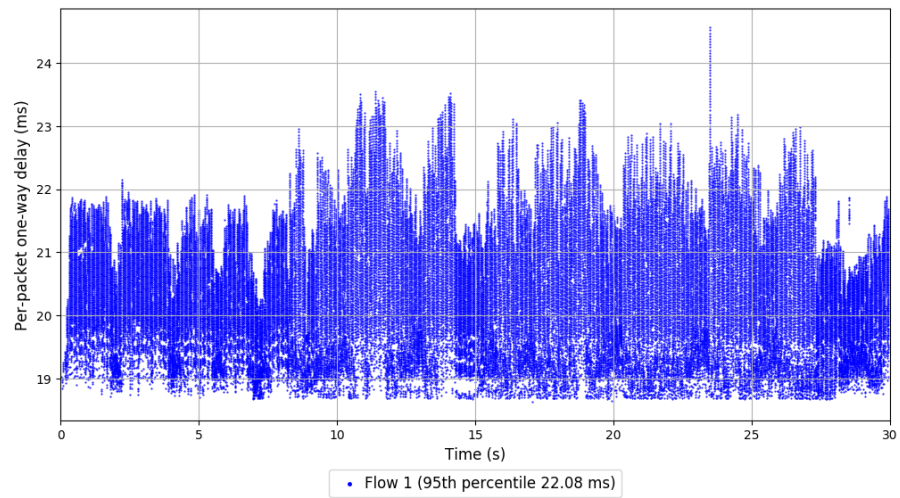
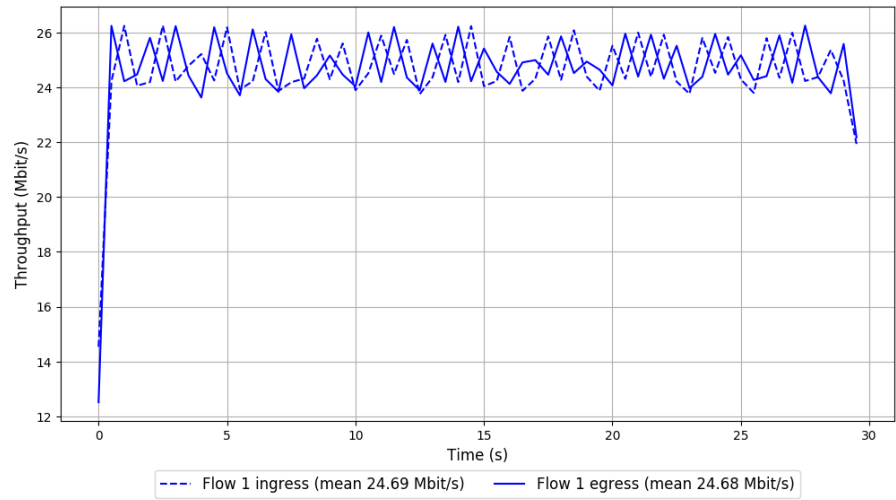


Run 1: Statistics of Sprout

Start at: 2017-09-21 12:36:41
End at: 2017-09-21 12:37:11
Local clock offset: -0.29 ms
Remote clock offset: -1.745 ms

Below is generated by plot.py at 2017-09-21 17:43:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 22.081 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 22.081 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

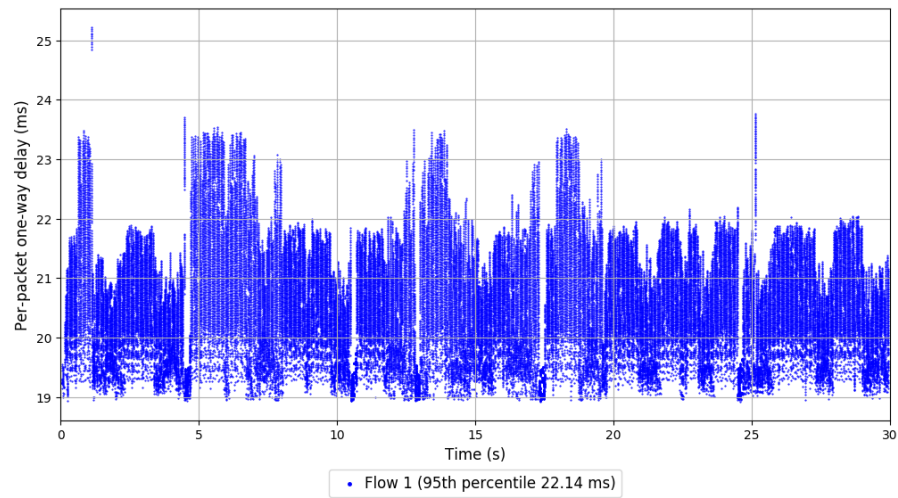
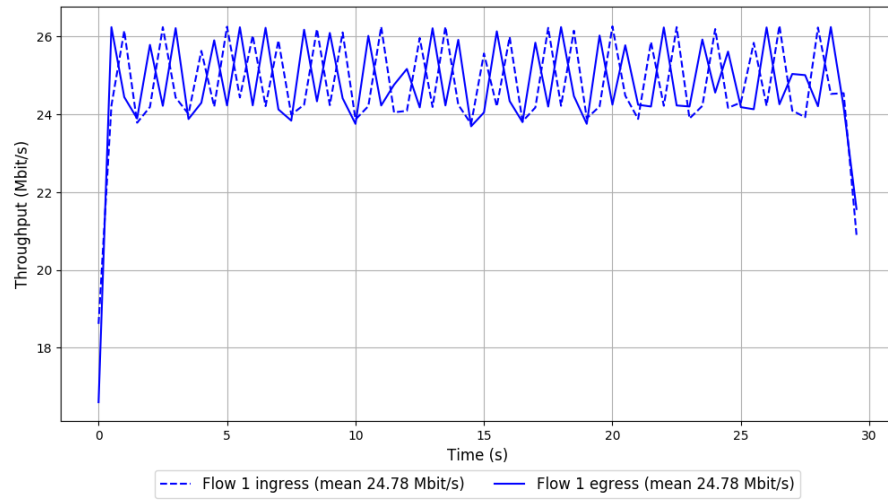


Run 2: Statistics of Sprout

Start at: 2017-09-21 12:55:24
End at: 2017-09-21 12:55:54
Local clock offset: -0.406 ms
Remote clock offset: -1.554 ms

Below is generated by plot.py at 2017-09-21 17:43:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.78 Mbit/s
95th percentile per-packet one-way delay: 22.138 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.78 Mbit/s
95th percentile per-packet one-way delay: 22.138 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

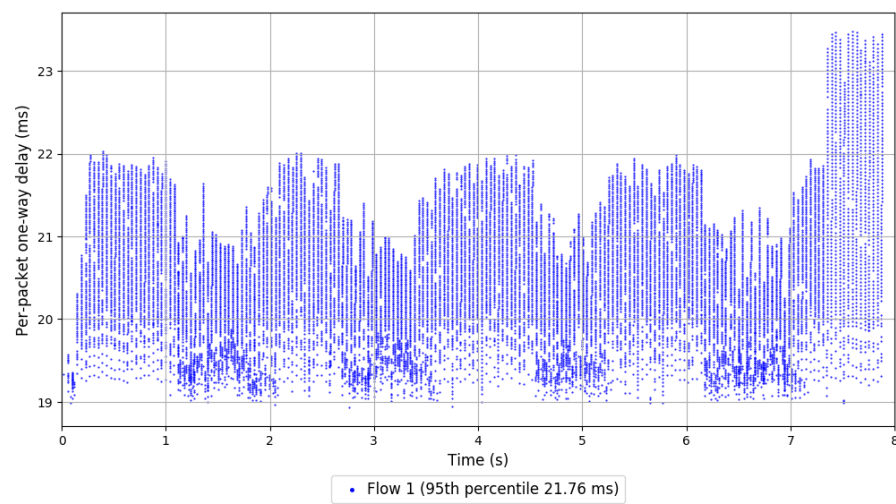
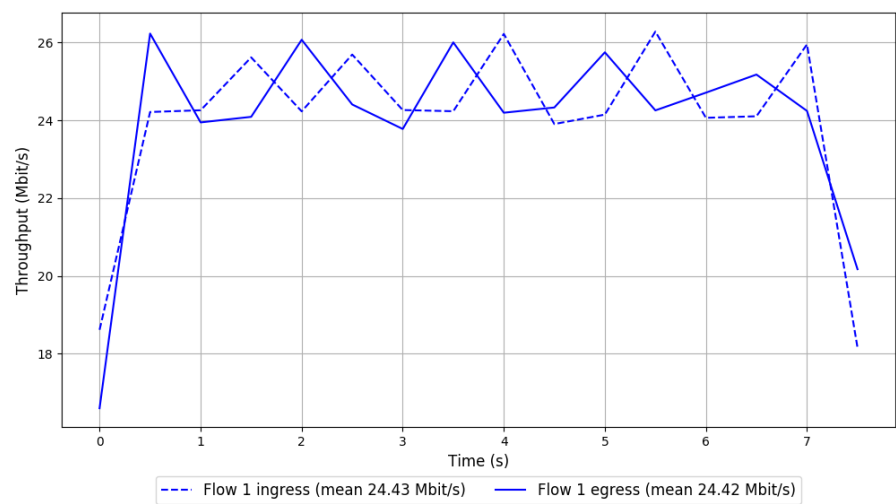
Start at: 2017-09-21 13:14:10

End at: 2017-09-21 13:14:40

Local clock offset: -0.615 ms

Remote clock offset: -2.034 ms

Run 3: Report of Sprout — Data Link

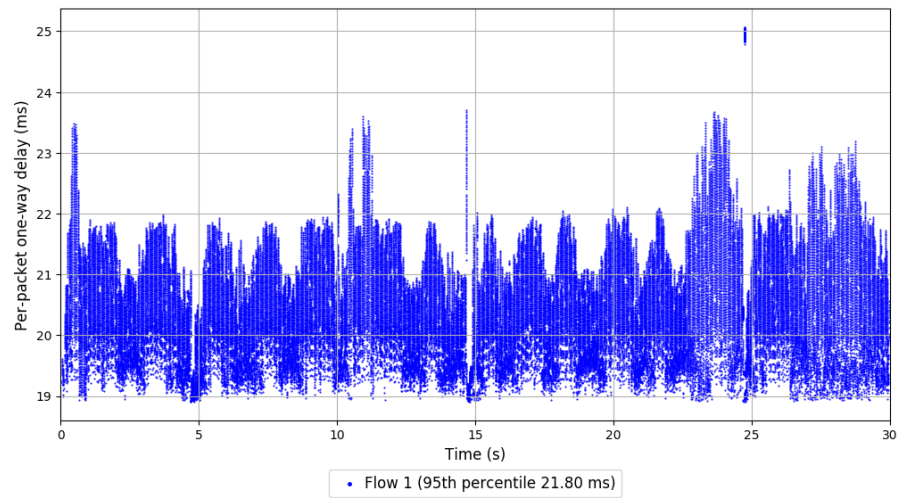
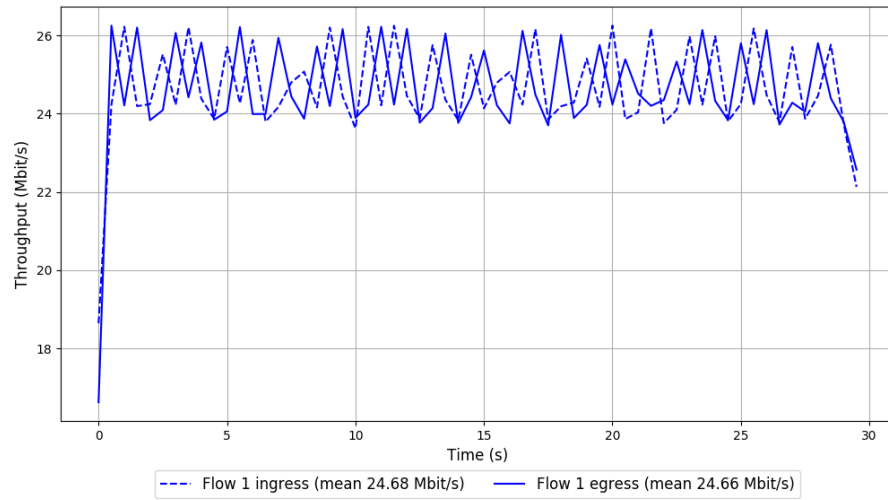


Run 4: Statistics of Sprout

Start at: 2017-09-21 13:32:49
End at: 2017-09-21 13:33:19
Local clock offset: -0.675 ms
Remote clock offset: -2.506 ms

Below is generated by plot.py at 2017-09-21 17:43:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 21.800 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 21.800 ms
Loss rate: 0.08%

Run 4: Report of Sprout — Data Link

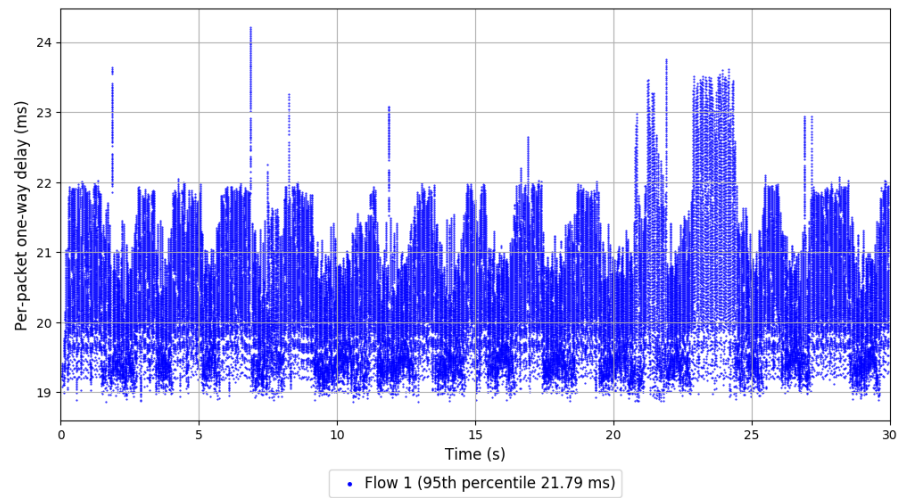
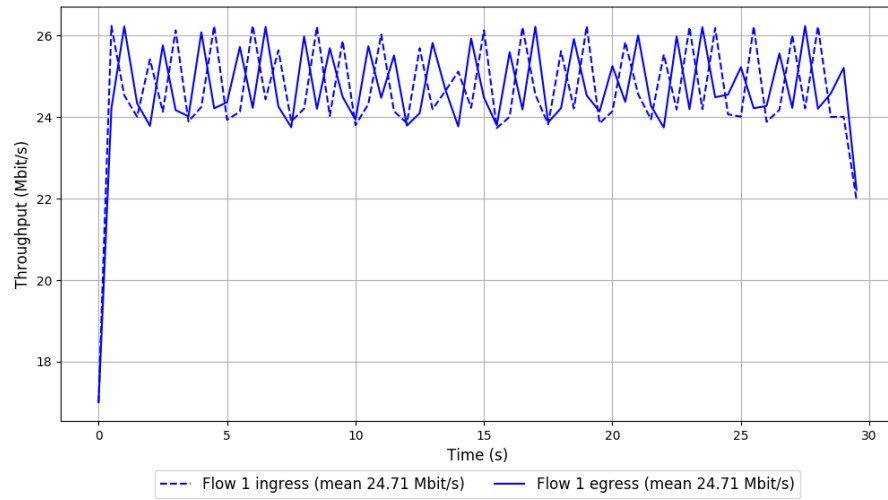


Run 5: Statistics of Sprout

Start at: 2017-09-21 13:51:22
End at: 2017-09-21 13:51:52
Local clock offset: -0.516 ms
Remote clock offset: -2.228 ms

Below is generated by plot.py at 2017-09-21 17:43:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 21.786 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 21.786 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

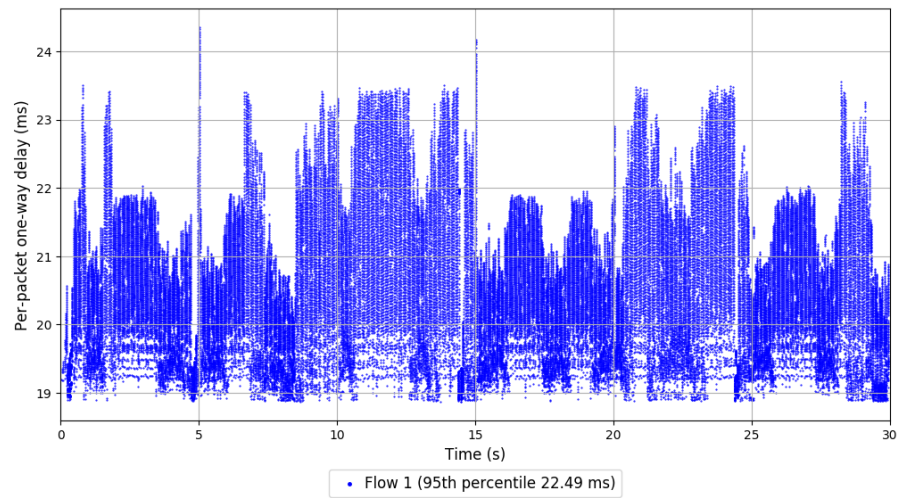
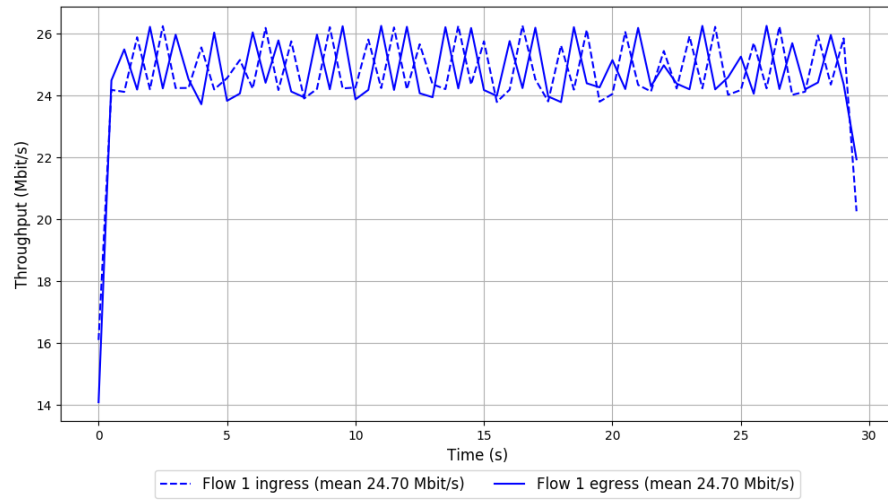


Run 6: Statistics of Sprout

Start at: 2017-09-21 14:10:17
End at: 2017-09-21 14:10:47
Local clock offset: -0.506 ms
Remote clock offset: -2.488 ms

Below is generated by plot.py at 2017-09-21 17:43:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 22.490 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 22.490 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

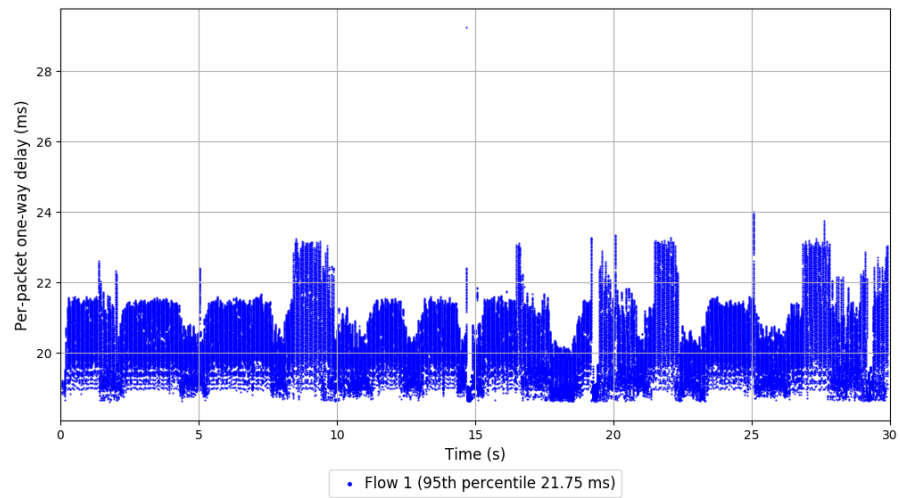
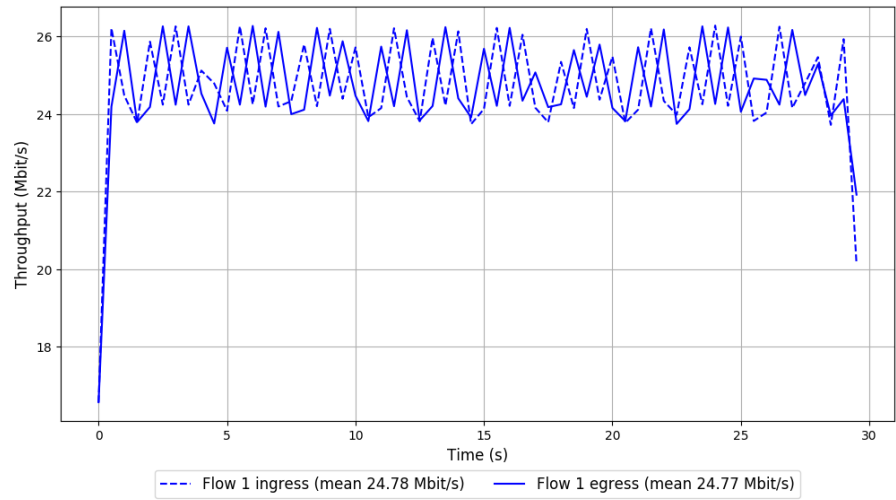


Run 7: Statistics of Sprout

Start at: 2017-09-21 14:28:53
End at: 2017-09-21 14:29:23
Local clock offset: -0.622 ms
Remote clock offset: -2.511 ms

Below is generated by plot.py at 2017-09-21 17:43:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.77 Mbit/s
95th percentile per-packet one-way delay: 21.753 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.77 Mbit/s
95th percentile per-packet one-way delay: 21.753 ms
Loss rate: 0.01%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

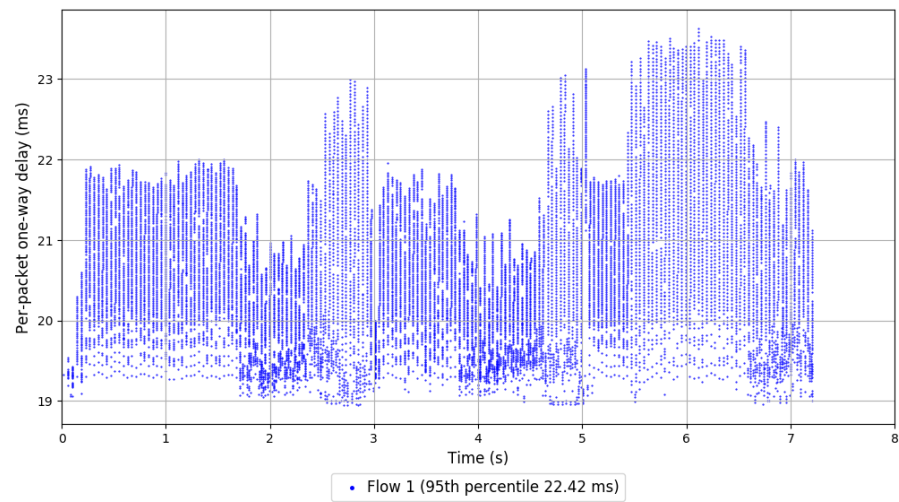
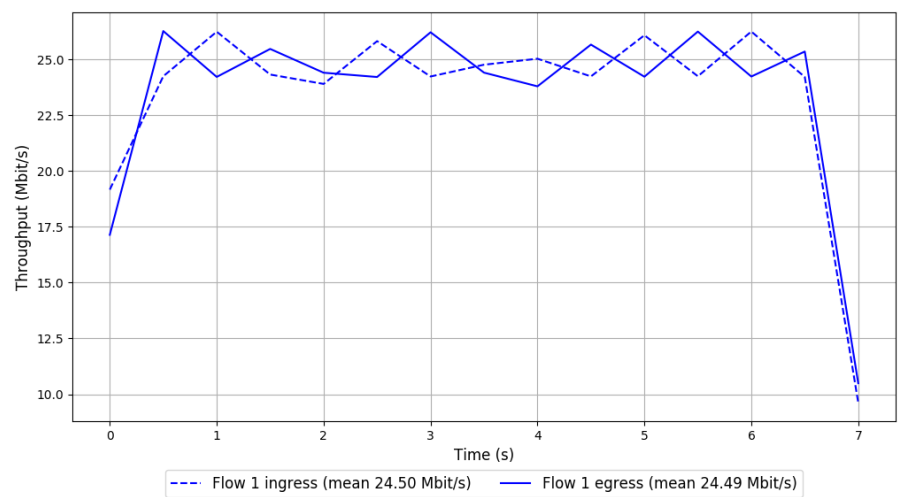
Start at: 2017-09-21 14:47:17

End at: 2017-09-21 14:47:47

Local clock offset: -0.627 ms

Remote clock offset: -2.235 ms

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

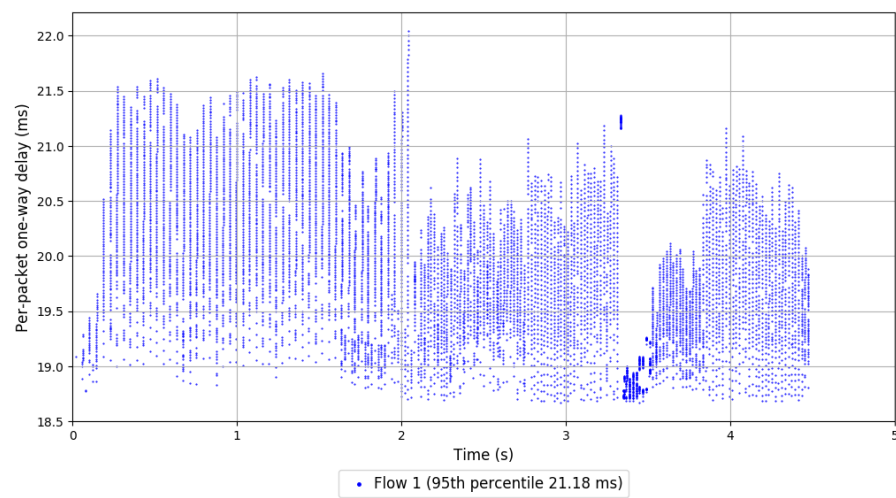
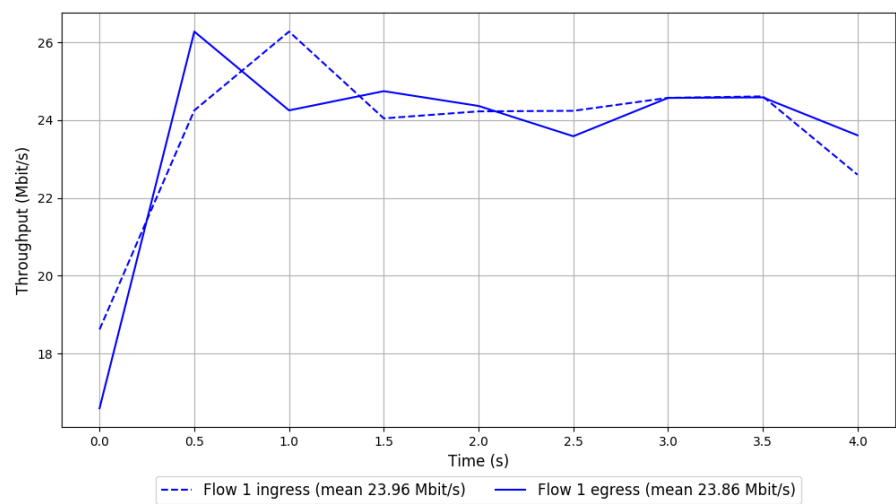
Start at: 2017-09-21 15:05:48

End at: 2017-09-21 15:06:18

Local clock offset: -0.59 ms

Remote clock offset: -2.643 ms

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2017-09-21 15:24:29

End at: 2017-09-21 15:24:59

Local clock offset: -0.382 ms

Remote clock offset: -2.69 ms

Below is generated by plot.py at 2017-09-21 17:43:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.78 Mbit/s

95th percentile per-packet one-way delay: 21.341 ms

Loss rate: 0.00%

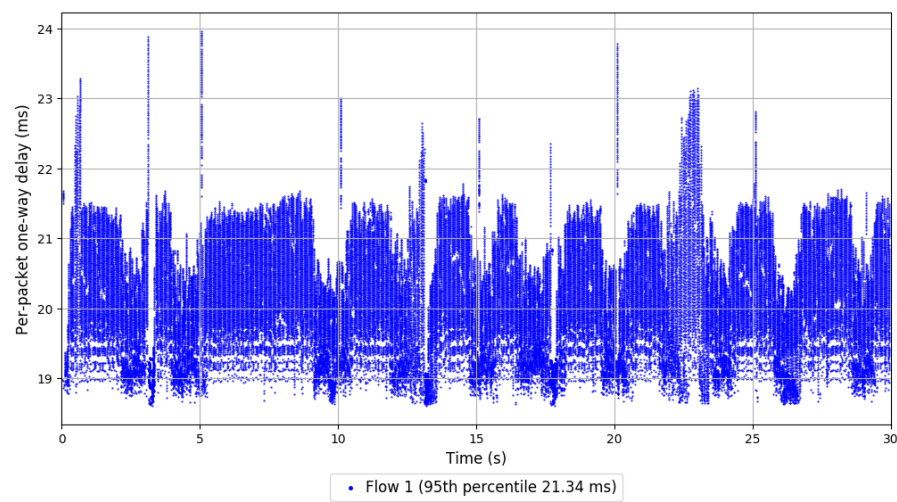
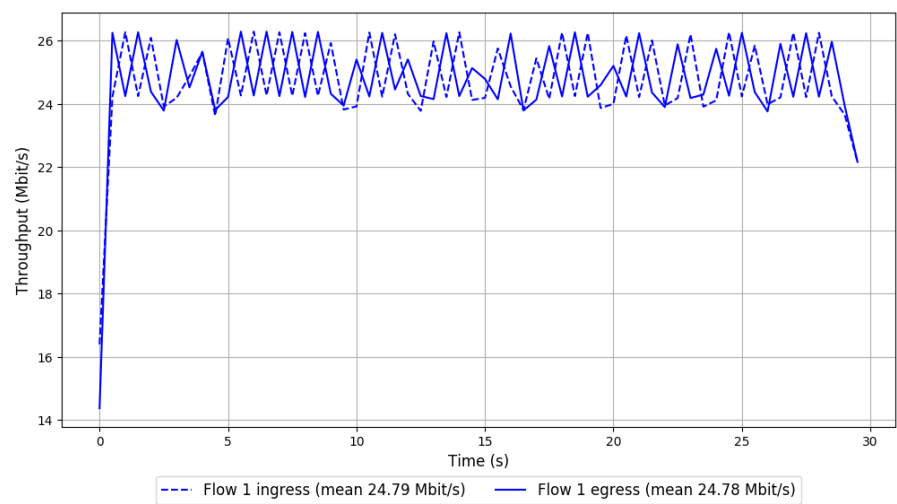
-- Flow 1:

Average throughput: 24.78 Mbit/s

95th percentile per-packet one-way delay: 21.341 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

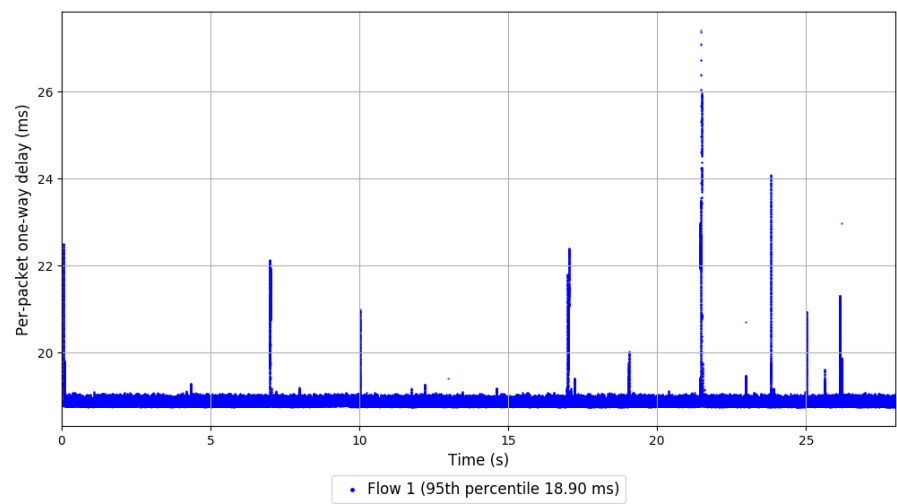
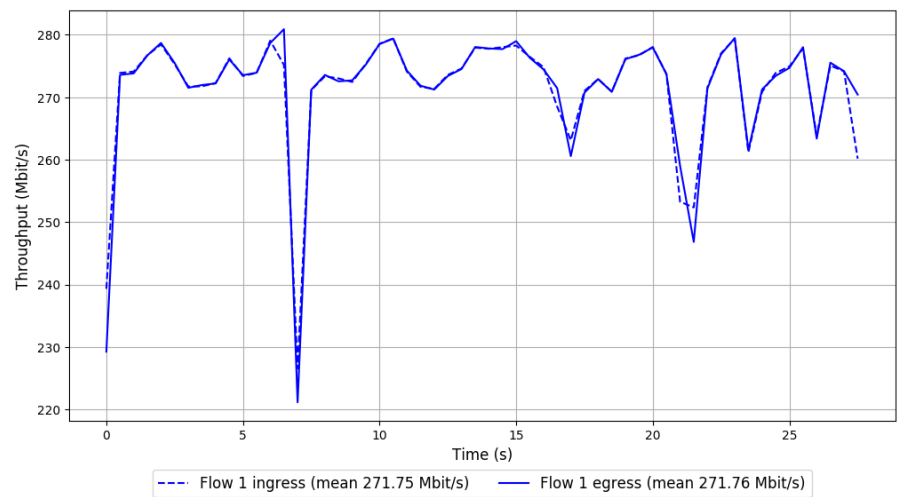


```
Run 1: Statistics of TaoVA-100x

Start at: 2017-09-21 12:41:32
End at: 2017-09-21 12:42:02
Local clock offset: -0.171 ms
Remote clock offset: -1.687 ms

# Below is generated by plot.py at 2017-09-21 17:43:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 271.76 Mbit/s
95th percentile per-packet one-way delay: 18.903 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 271.76 Mbit/s
95th percentile per-packet one-way delay: 18.903 ms
Loss rate: 0.00%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2017-09-21 13:00:15

End at: 2017-09-21 13:00:45

Local clock offset: -0.368 ms

Remote clock offset: -1.661 ms

Below is generated by plot.py at 2017-09-21 17:43:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 273.49 Mbit/s

95th percentile per-packet one-way delay: 18.699 ms

Loss rate: 0.00%

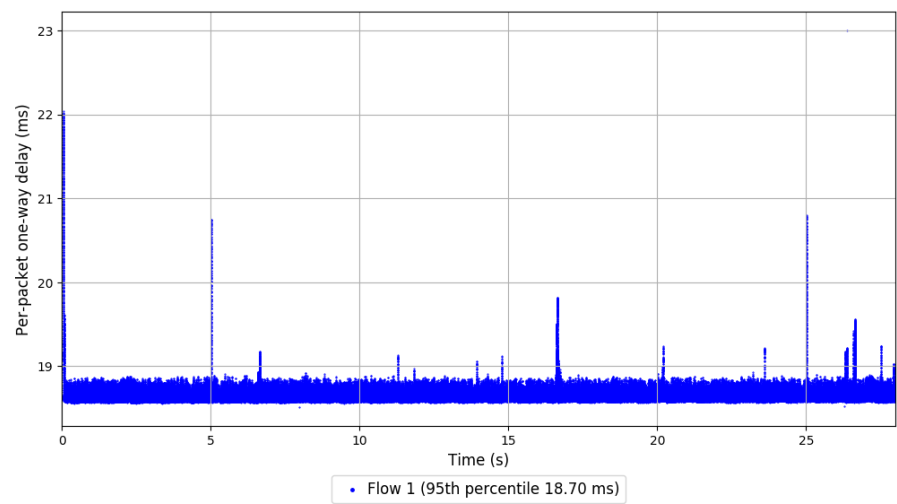
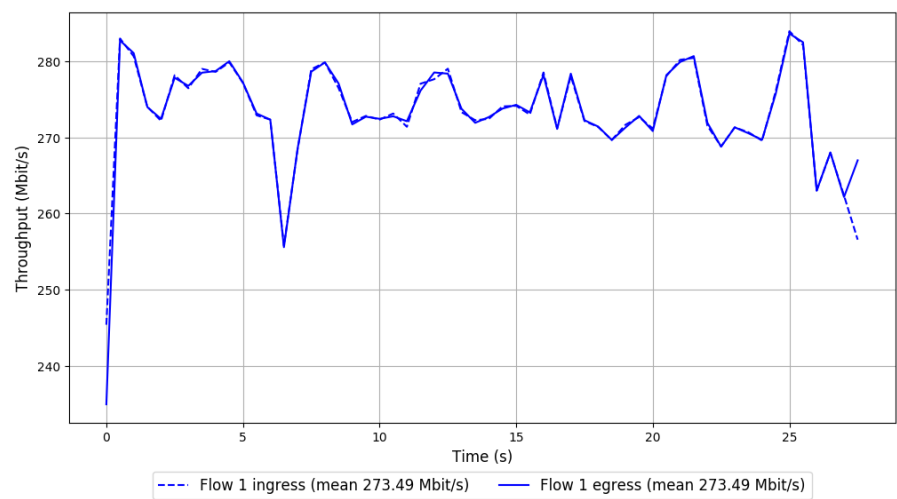
-- Flow 1:

Average throughput: 273.49 Mbit/s

95th percentile per-packet one-way delay: 18.699 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2017-09-21 13:19:01

End at: 2017-09-21 13:19:31

Local clock offset: -0.677 ms

Remote clock offset: -2.14 ms

Below is generated by plot.py at 2017-09-21 17:43:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 275.72 Mbit/s

95th percentile per-packet one-way delay: 18.822 ms

Loss rate: 0.00%

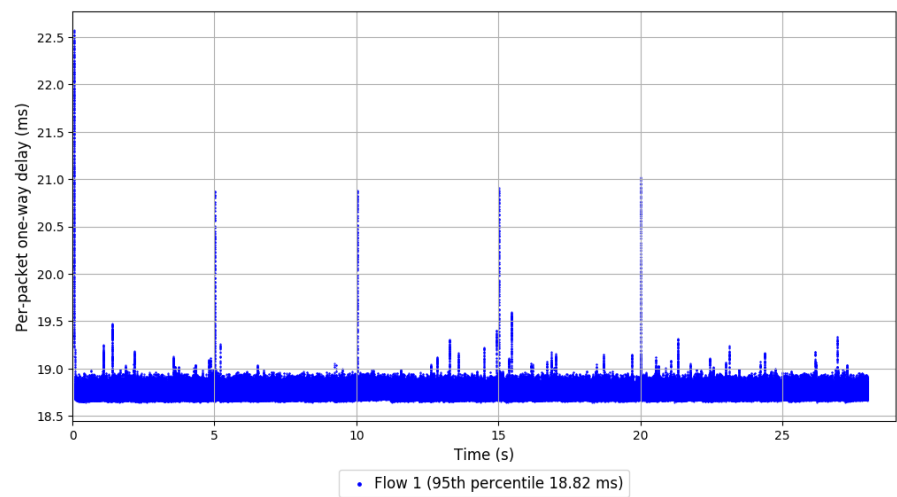
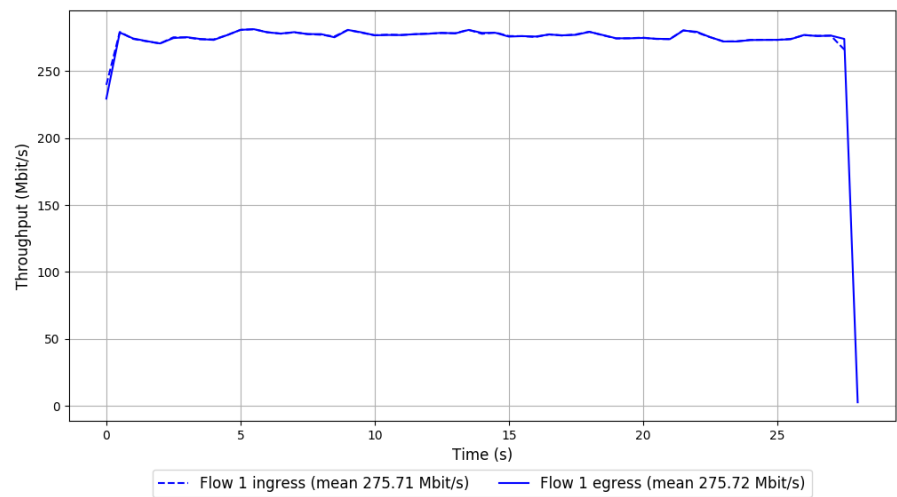
-- Flow 1:

Average throughput: 275.72 Mbit/s

95th percentile per-packet one-way delay: 18.822 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2017-09-21 13:37:41

End at: 2017-09-21 13:38:11

Local clock offset: -0.657 ms

Remote clock offset: -2.42 ms

Below is generated by plot.py at 2017-09-21 17:43:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 274.62 Mbit/s

95th percentile per-packet one-way delay: 19.033 ms

Loss rate: 0.00%

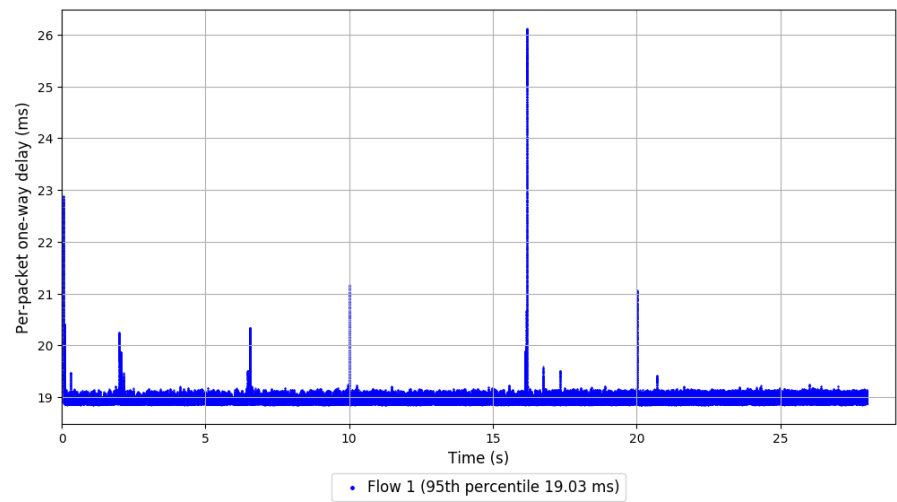
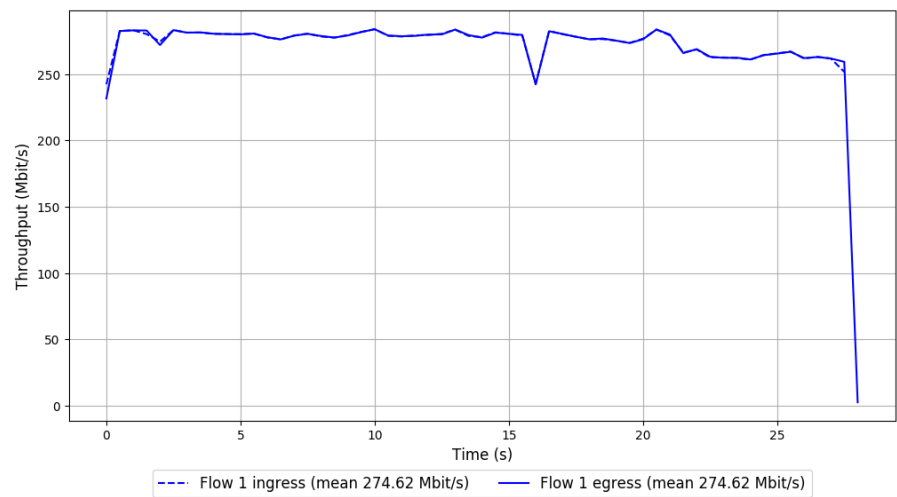
-- Flow 1:

Average throughput: 274.62 Mbit/s

95th percentile per-packet one-way delay: 19.033 ms

Loss rate: 0.00%

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

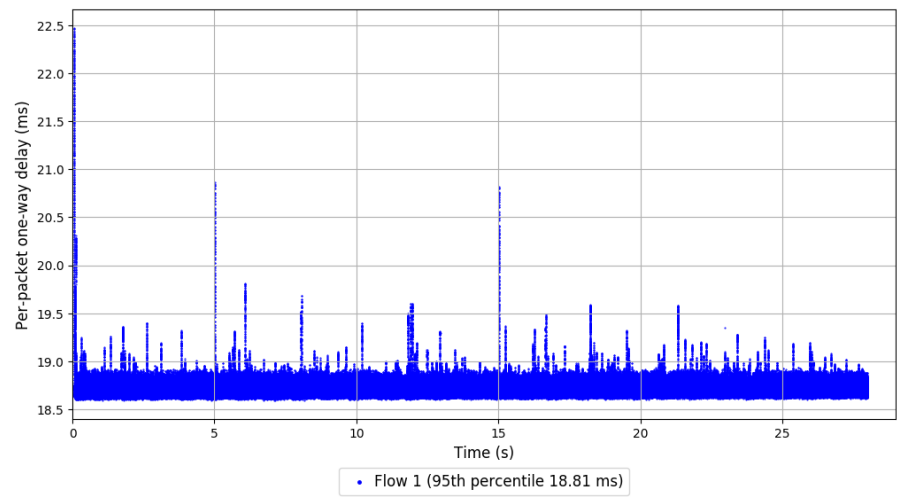
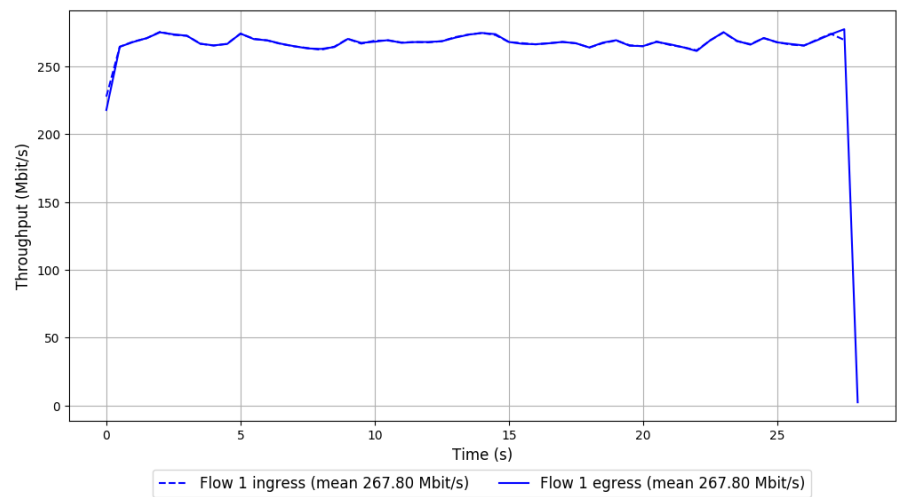


Run 5: Statistics of TaoVA-100x

Start at: 2017-09-21 13:56:14
End at: 2017-09-21 13:56:44
Local clock offset: -0.478 ms
Remote clock offset: -2.324 ms

Below is generated by plot.py at 2017-09-21 17:43:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 267.80 Mbit/s
95th percentile per-packet one-way delay: 18.809 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 267.80 Mbit/s
95th percentile per-packet one-way delay: 18.809 ms
Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2017-09-21 14:15:11

End at: 2017-09-21 14:15:41

Local clock offset: -0.641 ms

Remote clock offset: -2.53 ms

Below is generated by plot.py at 2017-09-21 17:43:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 266.44 Mbit/s

95th percentile per-packet one-way delay: 19.104 ms

Loss rate: 0.03%

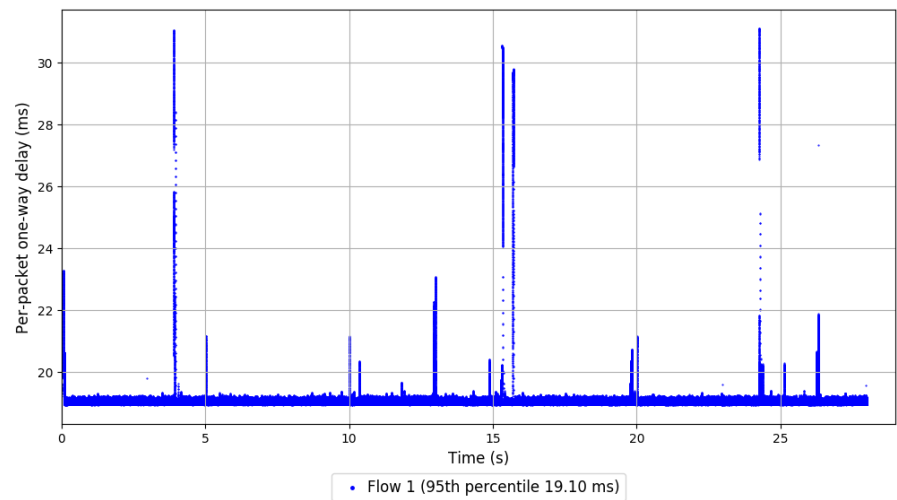
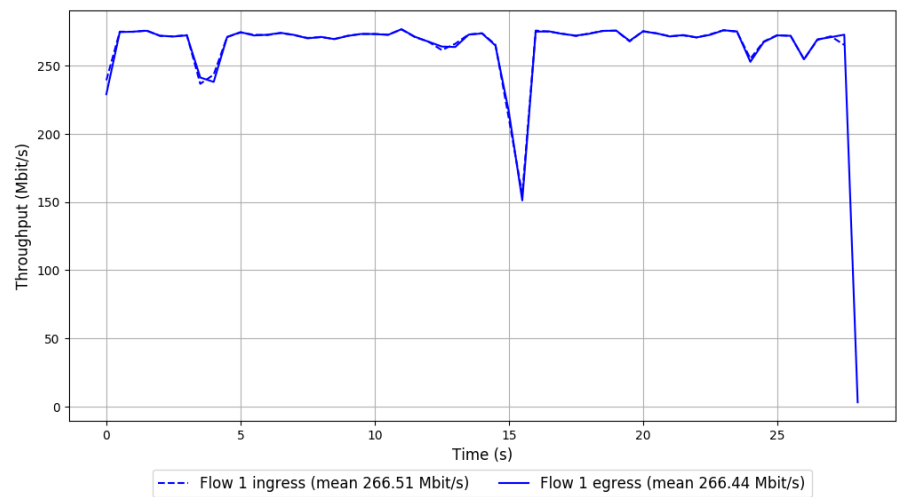
-- Flow 1:

Average throughput: 266.44 Mbit/s

95th percentile per-packet one-way delay: 19.104 ms

Loss rate: 0.03%

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

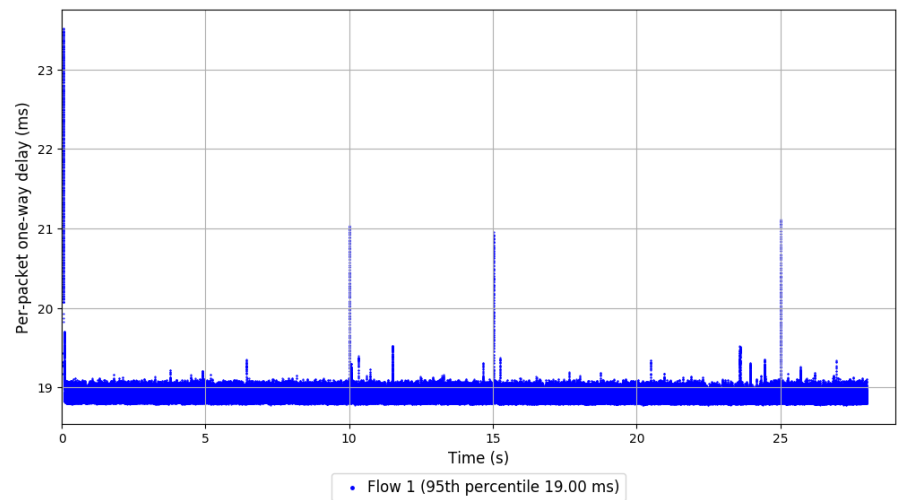
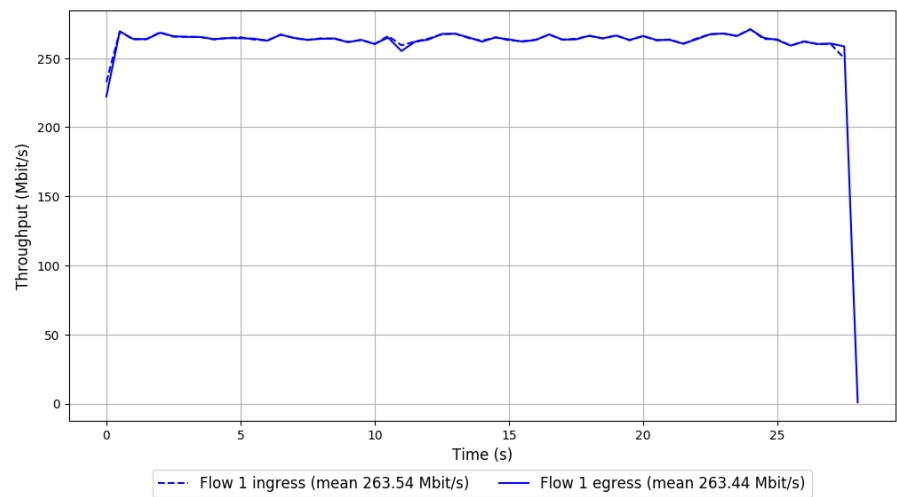


Run 7: Statistics of TaoVA-100x

Start at: 2017-09-21 14:33:43
End at: 2017-09-21 14:34:13
Local clock offset: -0.613 ms
Remote clock offset: -2.452 ms

Below is generated by plot.py at 2017-09-21 17:48:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 263.44 Mbit/s
95th percentile per-packet one-way delay: 19.001 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 263.44 Mbit/s
95th percentile per-packet one-way delay: 19.001 ms
Loss rate: 0.04%

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

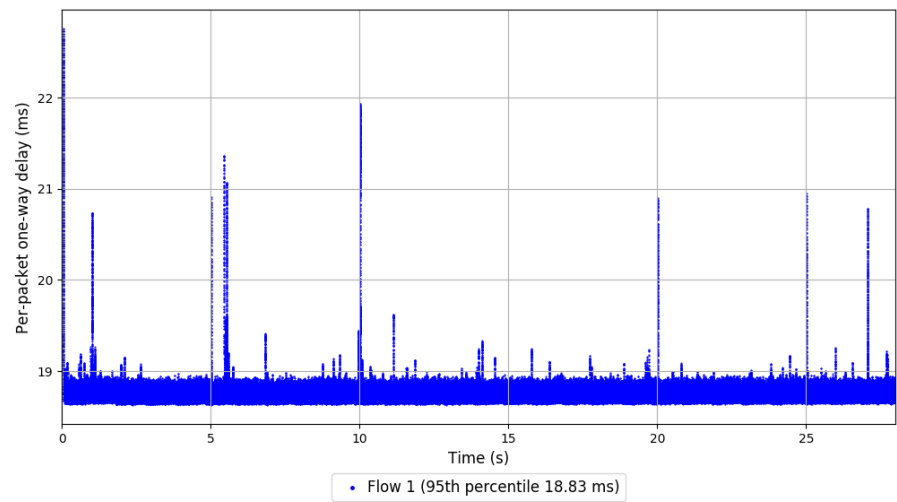
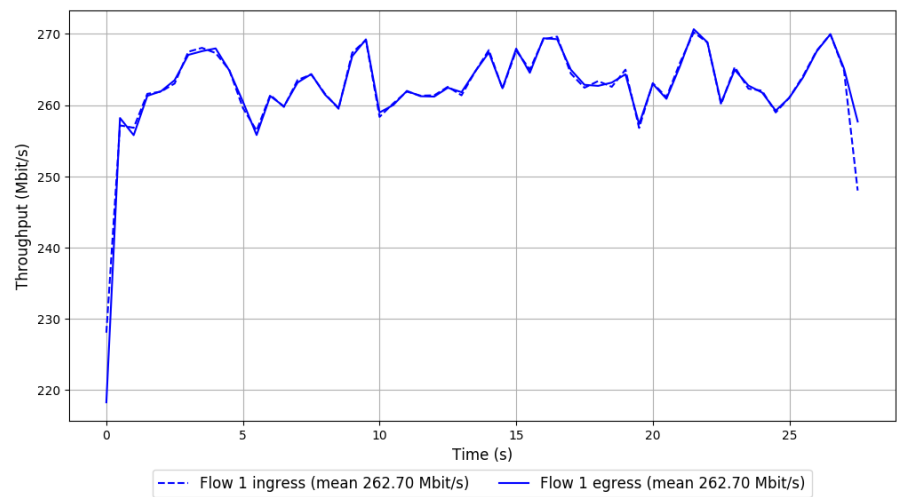


Run 8: Statistics of TaoVA-100x

Start at: 2017-09-21 14:52:10
End at: 2017-09-21 14:52:40
Local clock offset: -0.64 ms
Remote clock offset: -2.384 ms

Below is generated by plot.py at 2017-09-21 17:48:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 262.70 Mbit/s
95th percentile per-packet one-way delay: 18.827 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 262.70 Mbit/s
95th percentile per-packet one-way delay: 18.827 ms
Loss rate: 0.00%

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

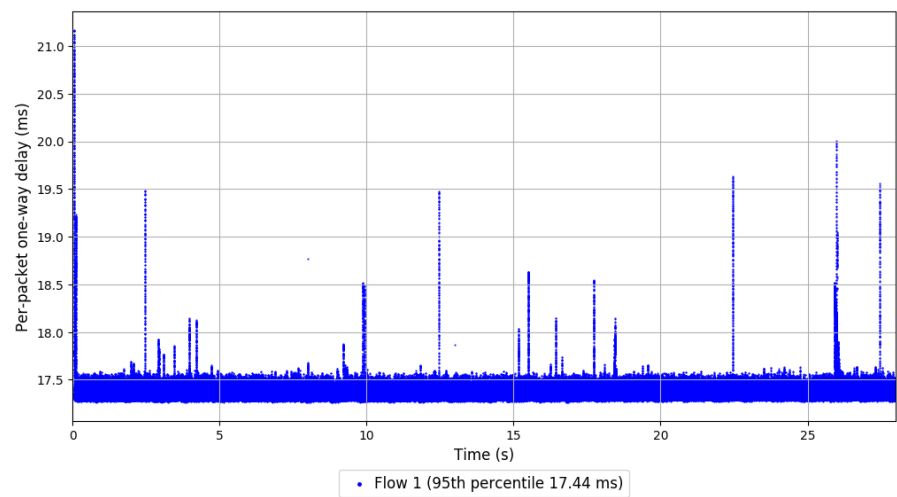
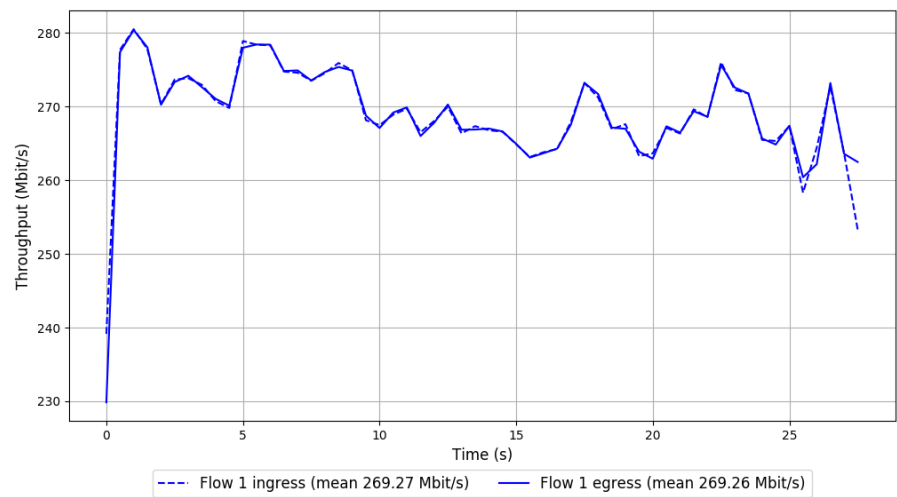


Run 9: Statistics of TaoVA-100x

Start at: 2017-09-21 15:10:39
End at: 2017-09-21 15:11:09
Local clock offset: -0.647 ms
Remote clock offset: -2.716 ms

Below is generated by plot.py at 2017-09-21 17:48:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 269.26 Mbit/s
95th percentile per-packet one-way delay: 17.442 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 269.26 Mbit/s
95th percentile per-packet one-way delay: 17.442 ms
Loss rate: 0.01%

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



Run 10: Statistics of TaoVA-100x

Start at: 2017-09-21 15:29:21

End at: 2017-09-21 15:29:51

Local clock offset: -0.341 ms

Remote clock offset: -2.597 ms

Below is generated by plot.py at 2017-09-21 17:48:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 262.45 Mbit/s

95th percentile per-packet one-way delay: 19.116 ms

Loss rate: 0.00%

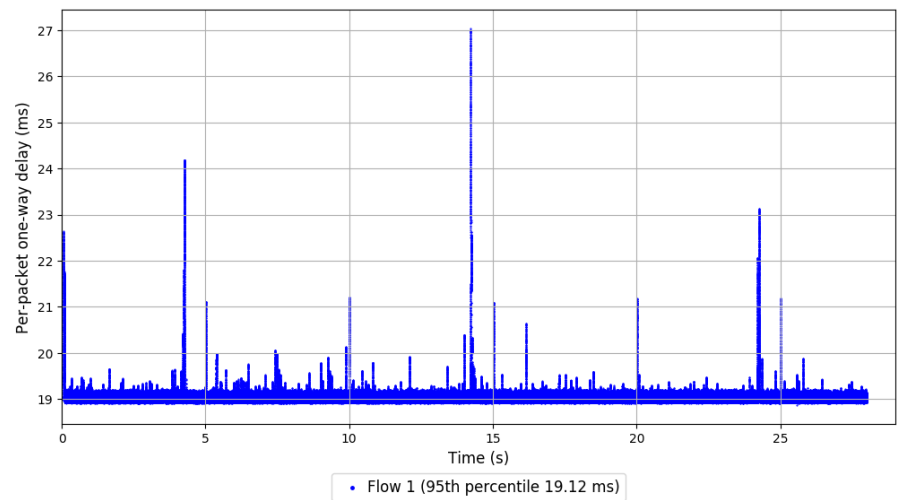
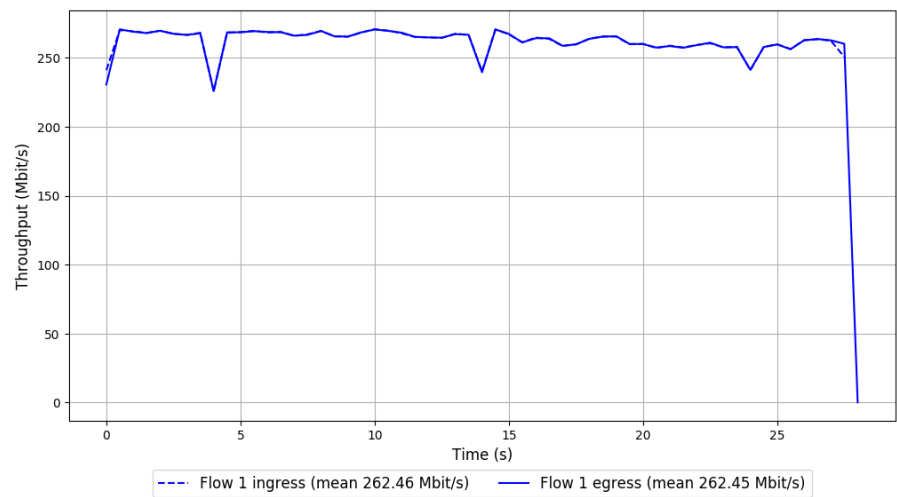
-- Flow 1:

Average throughput: 262.45 Mbit/s

95th percentile per-packet one-way delay: 19.116 ms

Loss rate: 0.00%

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

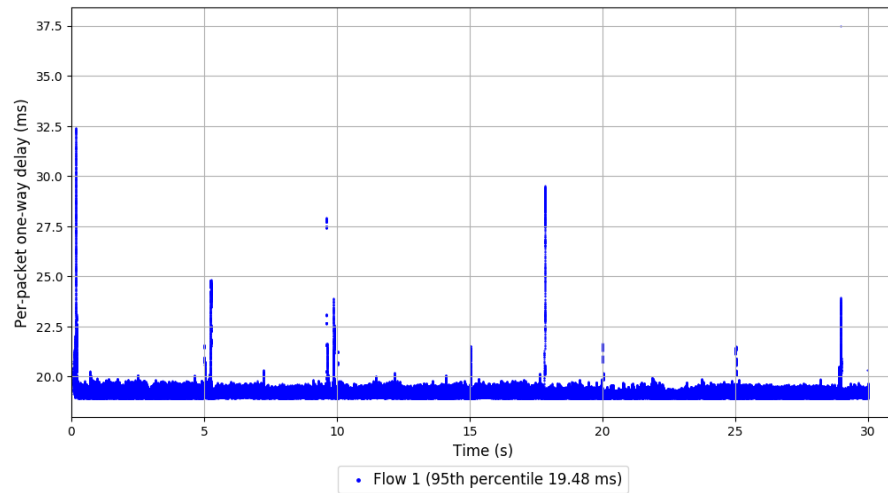
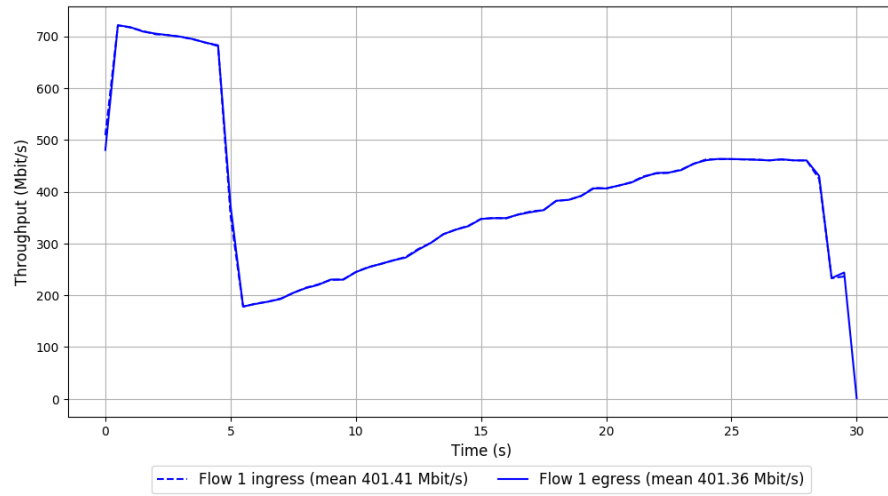


Run 1: Statistics of TCP Vegas

Start at: 2017-09-21 12:31:16
End at: 2017-09-21 12:31:46
Local clock offset: -0.298 ms
Remote clock offset: -1.685 ms

Below is generated by plot.py at 2017-09-21 17:48:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 401.36 Mbit/s
95th percentile per-packet one-way delay: 19.479 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 401.36 Mbit/s
95th percentile per-packet one-way delay: 19.479 ms
Loss rate: 0.01%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2017-09-21 12:50:01

End at: 2017-09-21 12:50:31

Local clock offset: -0.321 ms

Remote clock offset: -1.52 ms

Below is generated by plot.py at 2017-09-21 17:48:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 357.83 Mbit/s

95th percentile per-packet one-way delay: 19.456 ms

Loss rate: 0.04%

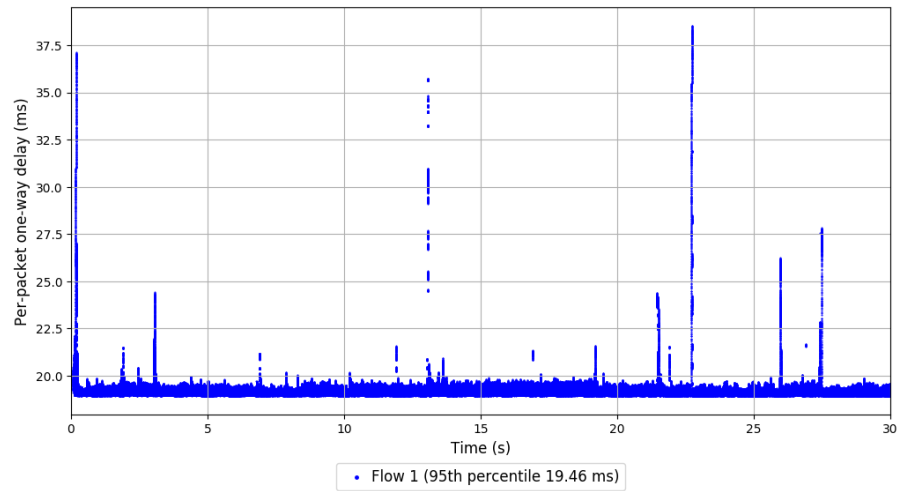
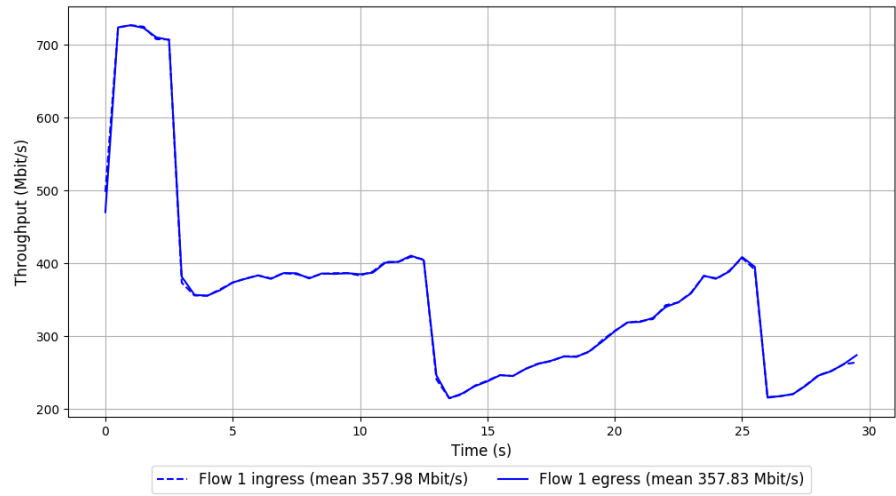
-- Flow 1:

Average throughput: 357.83 Mbit/s

95th percentile per-packet one-way delay: 19.456 ms

Loss rate: 0.04%

Run 2: Report of TCP Vegas — Data Link

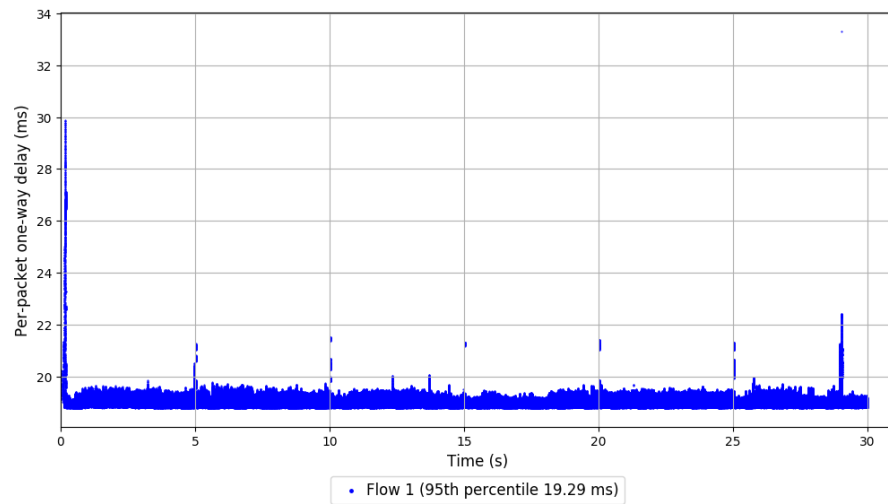
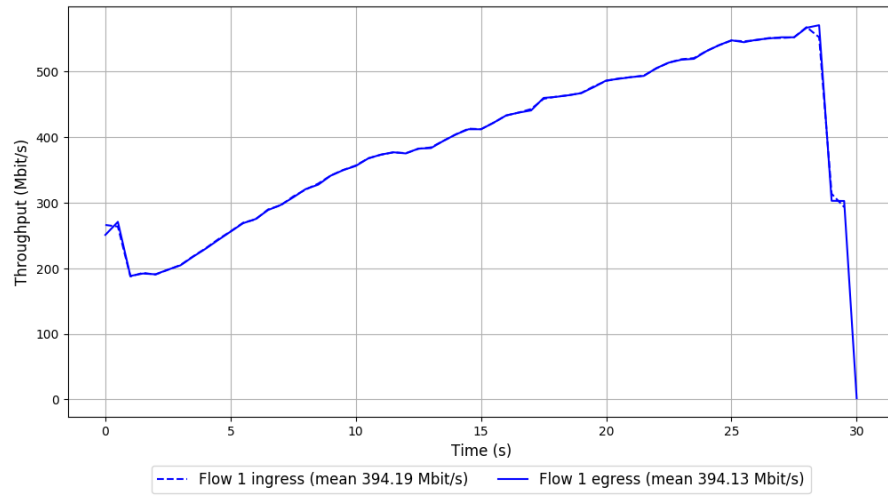


Run 3: Statistics of TCP Vegas

Start at: 2017-09-21 13:08:38
End at: 2017-09-21 13:09:08
Local clock offset: -0.452 ms
Remote clock offset: -1.904 ms

Below is generated by plot.py at 2017-09-21 17:48:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 394.13 Mbit/s
95th percentile per-packet one-way delay: 19.289 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 394.13 Mbit/s
95th percentile per-packet one-way delay: 19.289 ms
Loss rate: 0.01%

Run 3: Report of TCP Vegas — Data Link

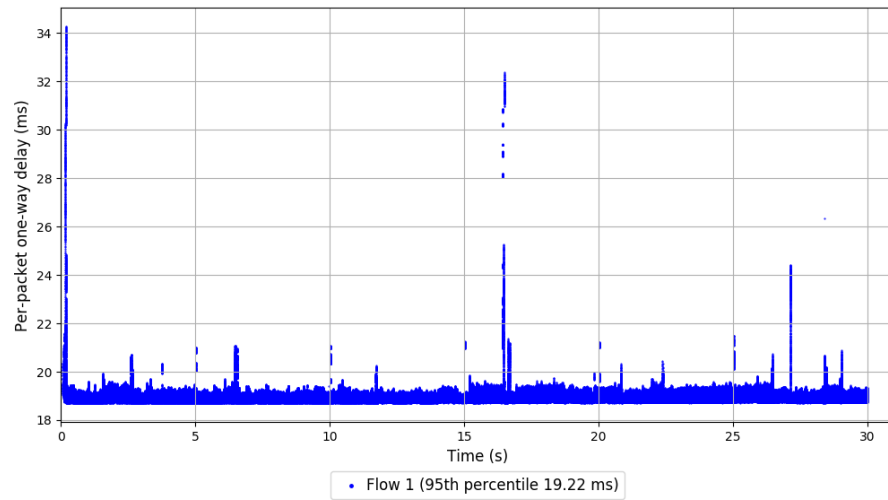
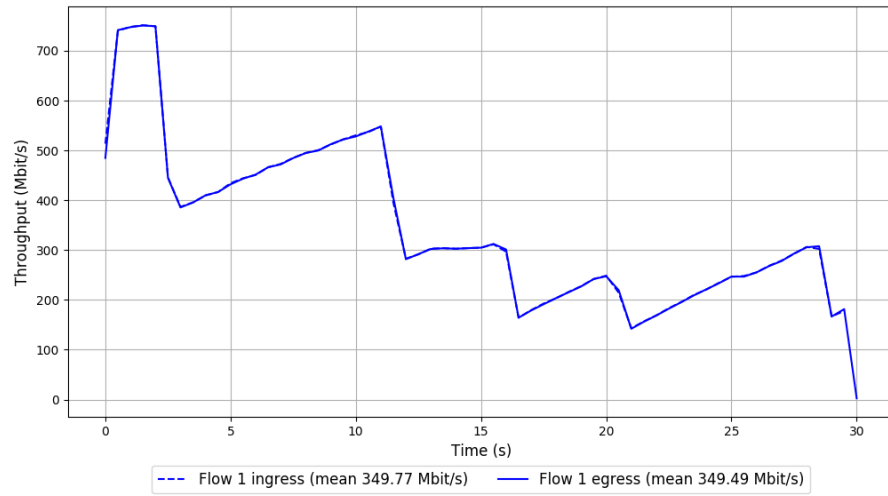


Run 4: Statistics of TCP Vegas

Start at: 2017-09-21 13:27:32
End at: 2017-09-21 13:28:02
Local clock offset: -0.601 ms
Remote clock offset: -2.285 ms

Below is generated by plot.py at 2017-09-21 17:48:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 349.49 Mbit/s
95th percentile per-packet one-way delay: 19.224 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 349.49 Mbit/s
95th percentile per-packet one-way delay: 19.224 ms
Loss rate: 0.08%

Run 4: Report of TCP Vegas — Data Link

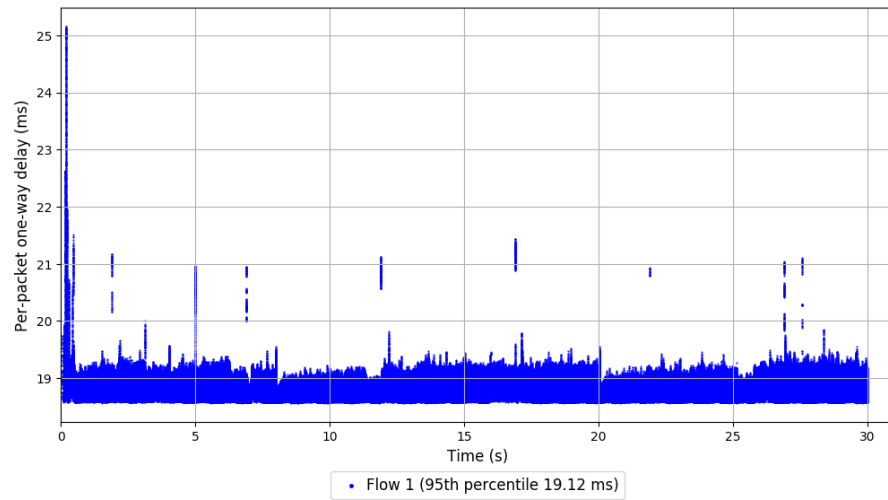
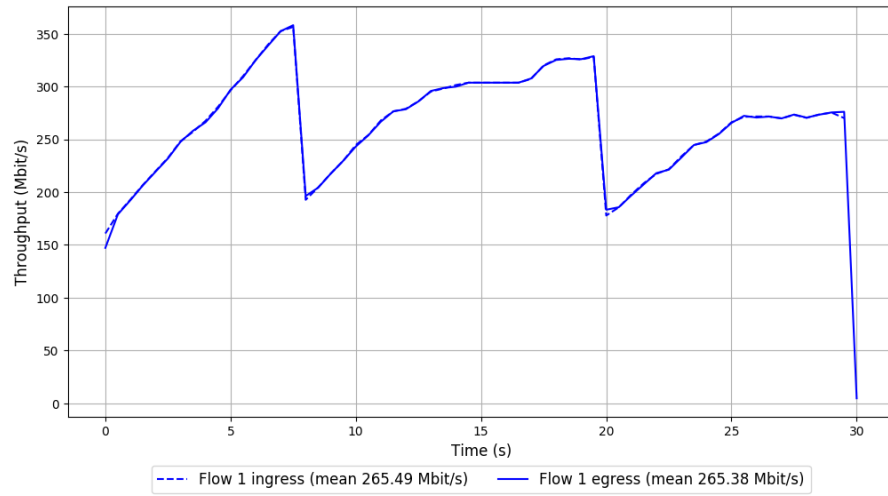


Run 5: Statistics of TCP Vegas

Start at: 2017-09-21 13:46:04
End at: 2017-09-21 13:46:34
Local clock offset: -0.531 ms
Remote clock offset: -2.297 ms

Below is generated by plot.py at 2017-09-21 17:51:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 265.38 Mbit/s
95th percentile per-packet one-way delay: 19.121 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 265.38 Mbit/s
95th percentile per-packet one-way delay: 19.121 ms
Loss rate: 0.04%

Run 5: Report of TCP Vegas — Data Link

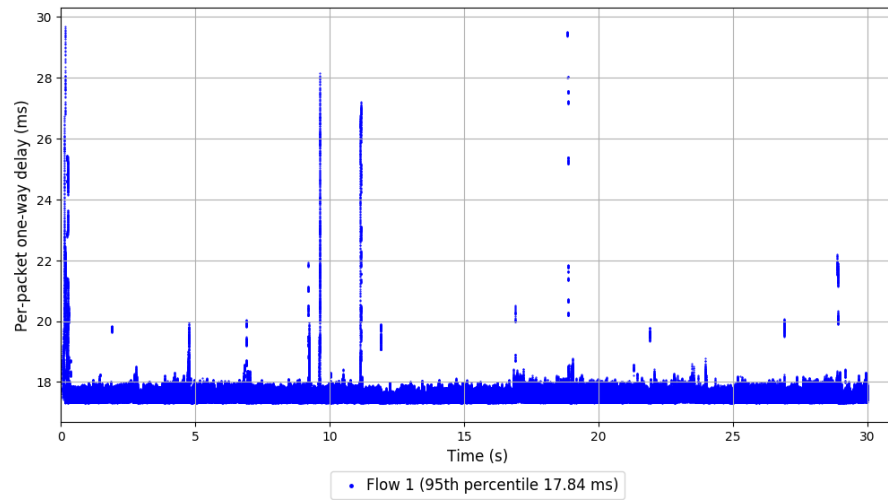
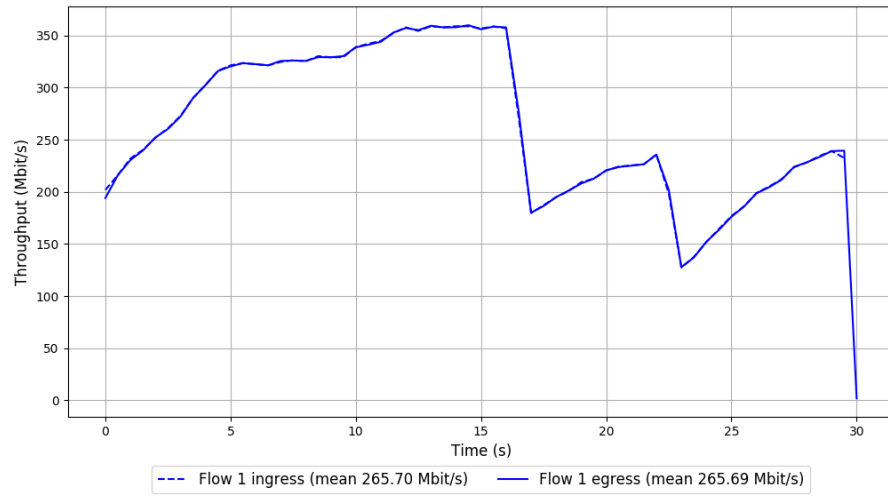


Run 6: Statistics of TCP Vegas

Start at: 2017-09-21 14:04:58
End at: 2017-09-21 14:05:28
Local clock offset: -0.612 ms
Remote clock offset: -2.487 ms

Below is generated by plot.py at 2017-09-21 17:51:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 265.69 Mbit/s
95th percentile per-packet one-way delay: 17.836 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 265.69 Mbit/s
95th percentile per-packet one-way delay: 17.836 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

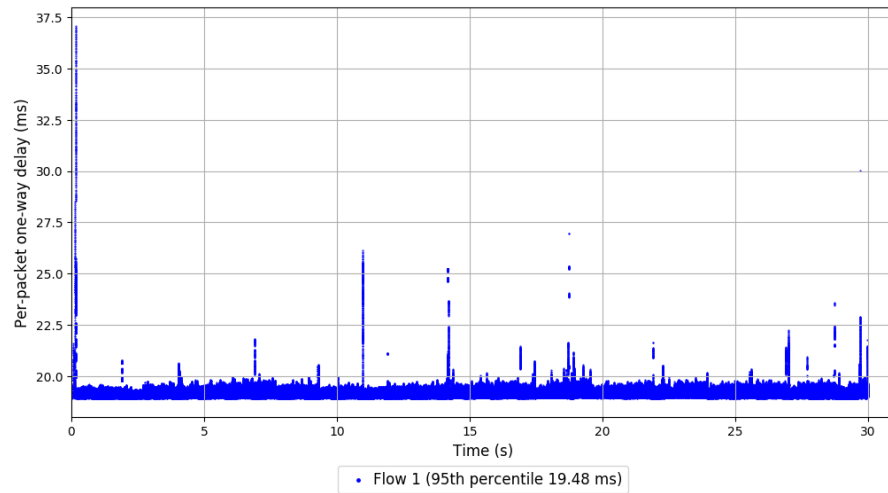
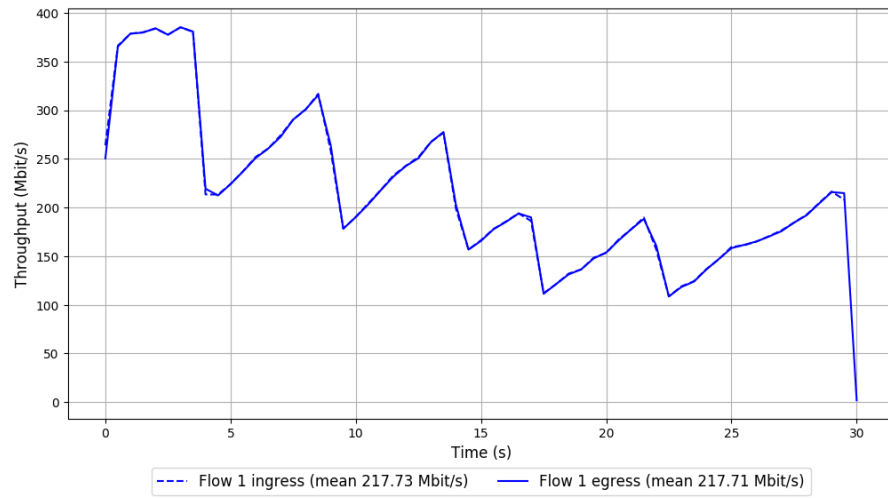


Run 7: Statistics of TCP Vegas

Start at: 2017-09-21 14:23:38
End at: 2017-09-21 14:24:08
Local clock offset: -0.679 ms
Remote clock offset: -2.593 ms

Below is generated by plot.py at 2017-09-21 17:51:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.71 Mbit/s
95th percentile per-packet one-way delay: 19.482 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 217.71 Mbit/s
95th percentile per-packet one-way delay: 19.482 ms
Loss rate: 0.01%

Run 7: Report of TCP Vegas — Data Link

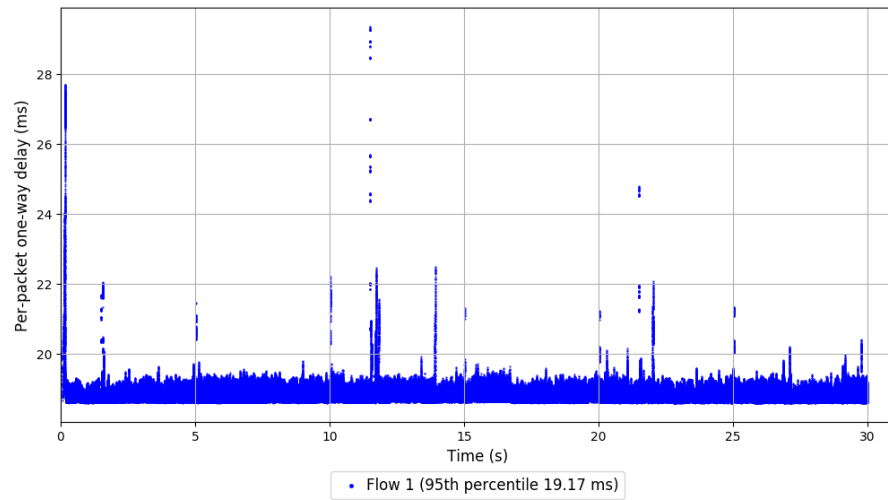
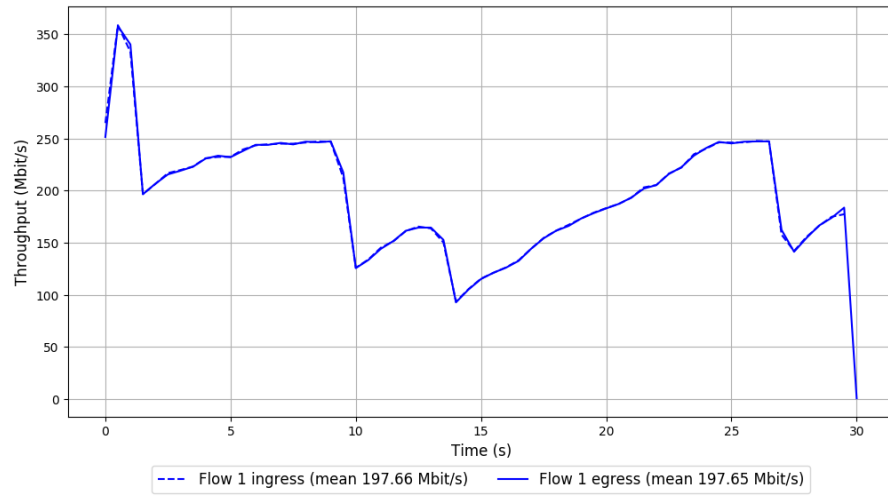


Run 8: Statistics of TCP Vegas

Start at: 2017-09-21 14:42:00
End at: 2017-09-21 14:42:30
Local clock offset: -0.635 ms
Remote clock offset: -2.254 ms

Below is generated by plot.py at 2017-09-21 17:51:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 197.65 Mbit/s
95th percentile per-packet one-way delay: 19.173 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 197.65 Mbit/s
95th percentile per-packet one-way delay: 19.173 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

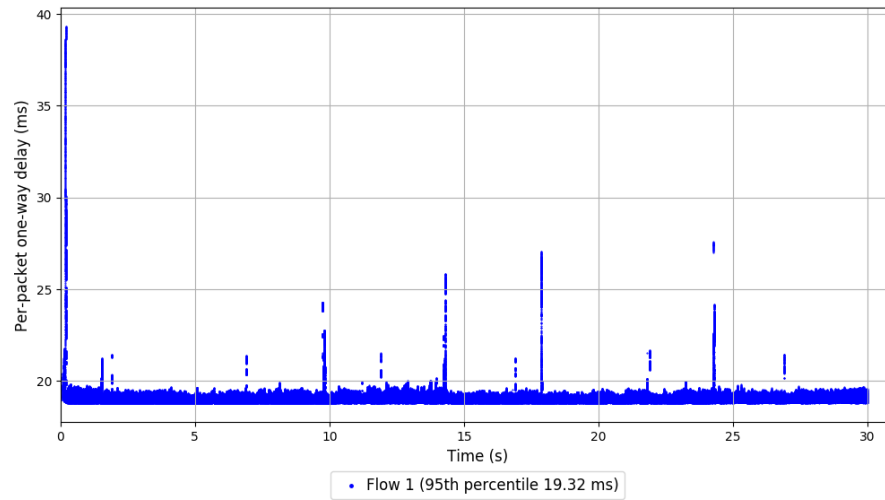
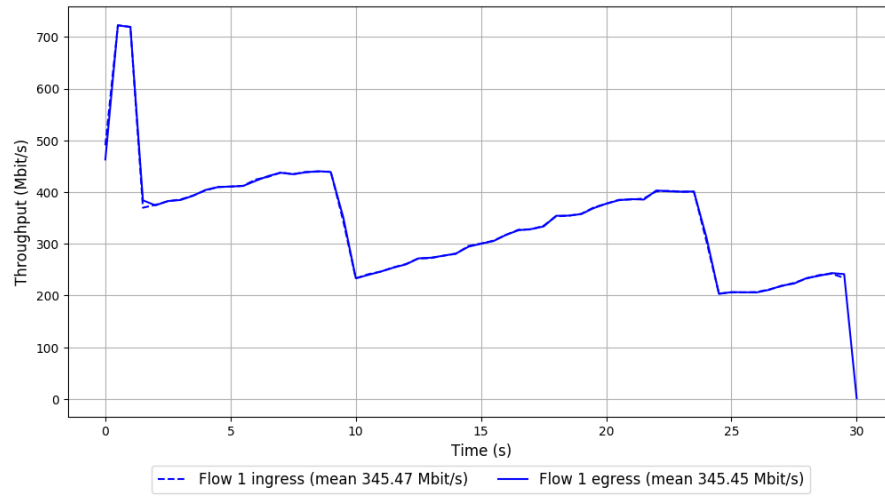


Run 9: Statistics of TCP Vegas

Start at: 2017-09-21 15:00:28
End at: 2017-09-21 15:00:58
Local clock offset: -0.605 ms
Remote clock offset: -2.625 ms

Below is generated by plot.py at 2017-09-21 17:53:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 345.45 Mbit/s
95th percentile per-packet one-way delay: 19.315 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 345.45 Mbit/s
95th percentile per-packet one-way delay: 19.315 ms
Loss rate: 0.01%

Run 9: Report of TCP Vegas — Data Link

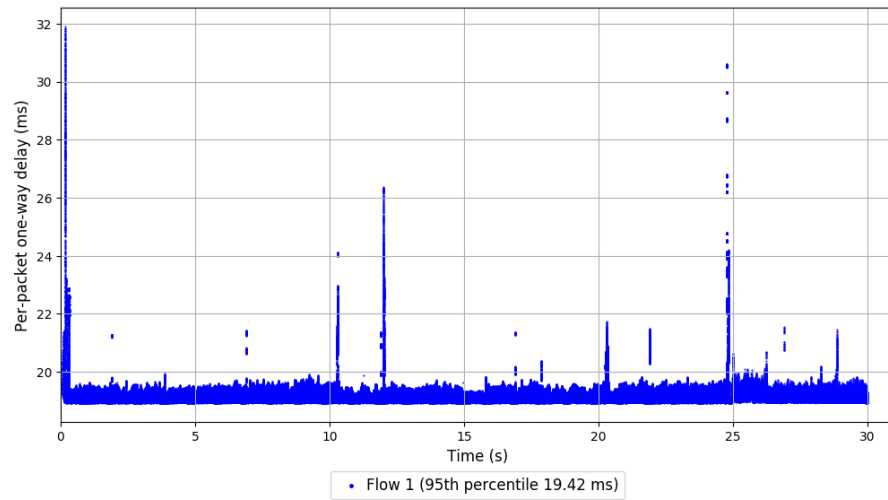
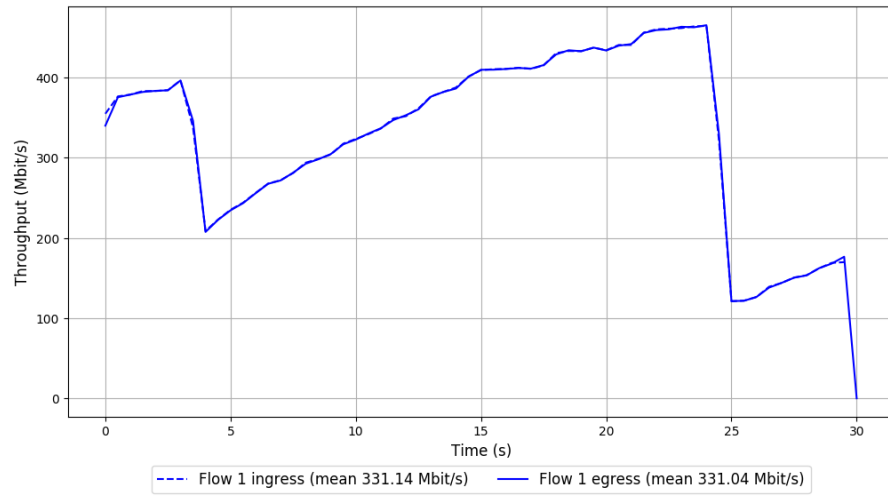


Run 10: Statistics of TCP Vegas

Start at: 2017-09-21 15:19:06
End at: 2017-09-21 15:19:37
Local clock offset: -0.552 ms
Remote clock offset: -2.718 ms

Below is generated by plot.py at 2017-09-21 17:53:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 331.04 Mbit/s
95th percentile per-packet one-way delay: 19.421 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 331.04 Mbit/s
95th percentile per-packet one-way delay: 19.421 ms
Loss rate: 0.03%

Run 10: Report of TCP Vegas — Data Link

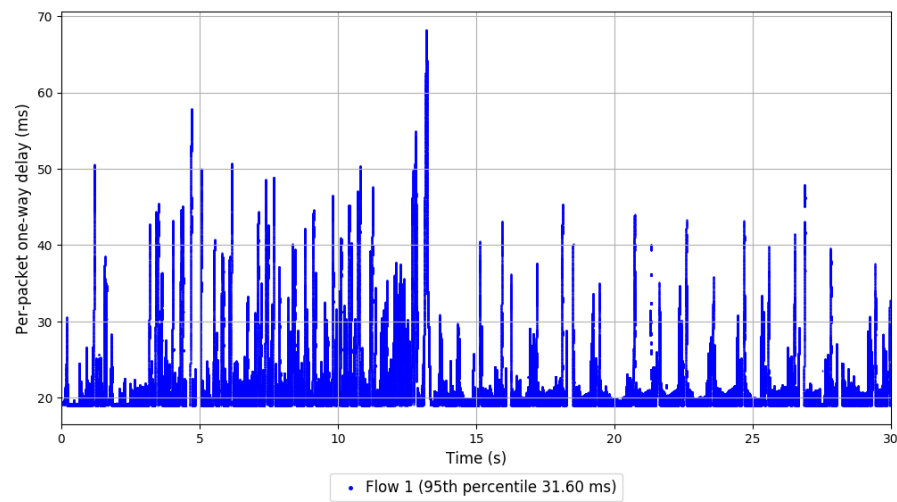
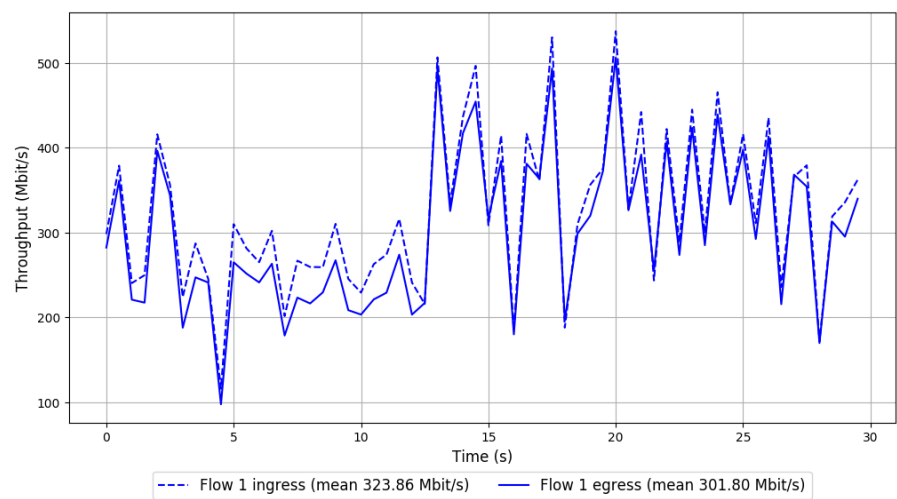


Run 1: Statistics of Verus

Start at: 2017-09-21 12:29:50
End at: 2017-09-21 12:30:20
Local clock offset: -0.199 ms
Remote clock offset: -1.575 ms

Below is generated by plot.py at 2017-09-21 17:53:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 301.80 Mbit/s
95th percentile per-packet one-way delay: 31.603 ms
Loss rate: 6.81%
-- Flow 1:
Average throughput: 301.80 Mbit/s
95th percentile per-packet one-way delay: 31.603 ms
Loss rate: 6.81%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

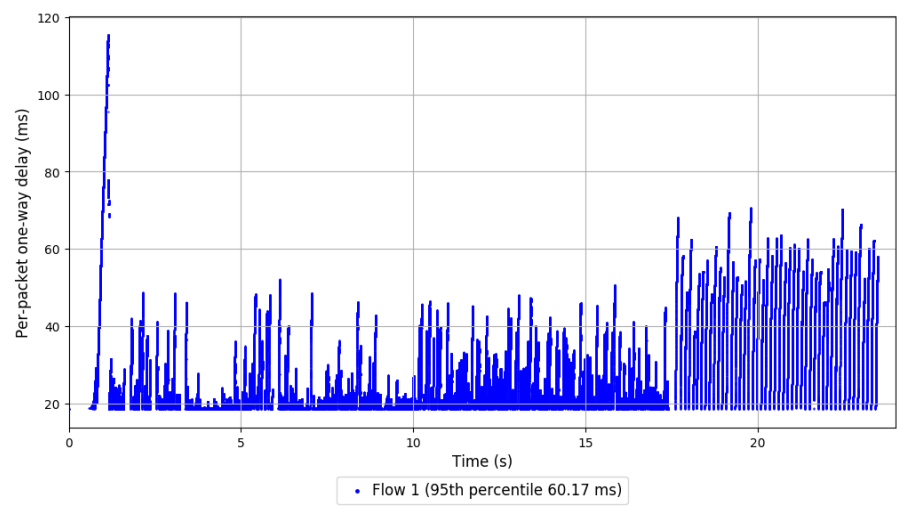
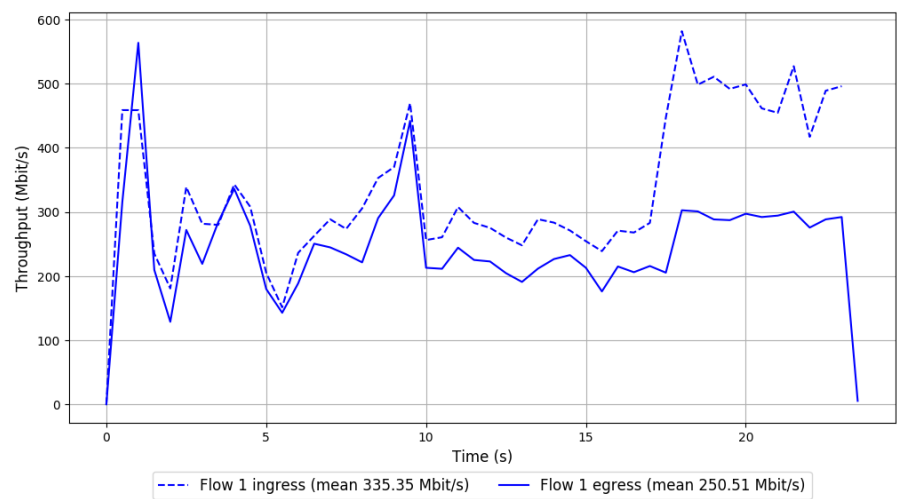
Start at: 2017-09-21 12:48:40

End at: 2017-09-21 12:49:10

Local clock offset: -0.223 ms

Remote clock offset: -1.613 ms

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

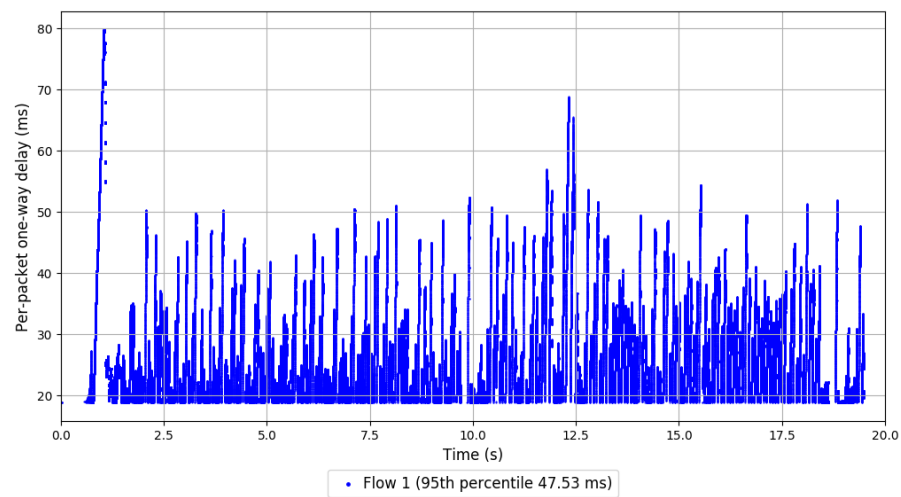
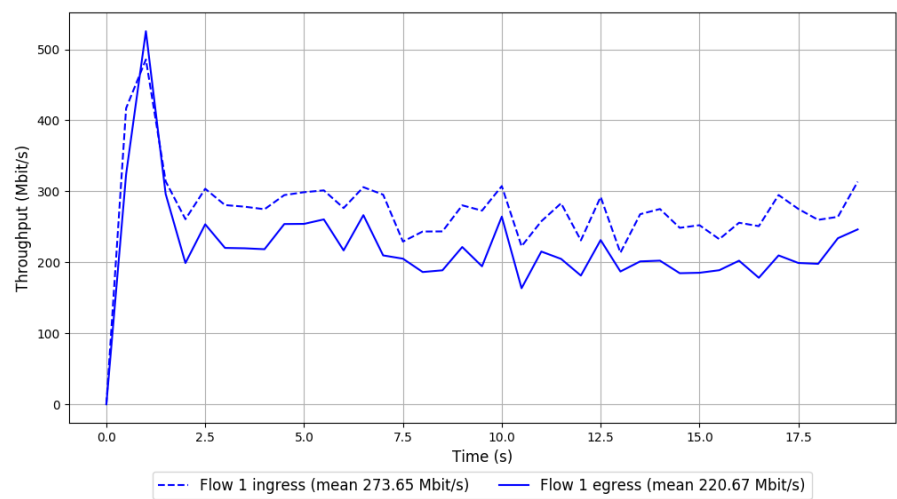
Start at: 2017-09-21 13:07:20

End at: 2017-09-21 13:07:50

Local clock offset: -0.45 ms

Remote clock offset: -1.798 ms

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

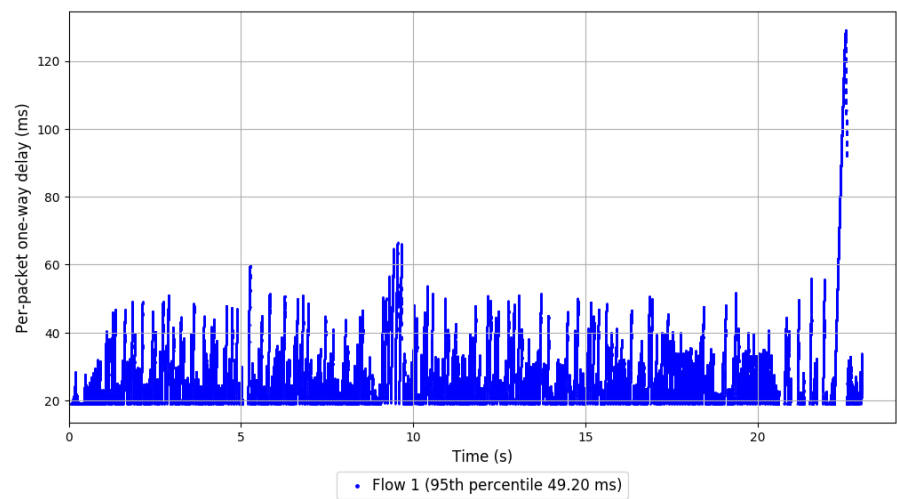
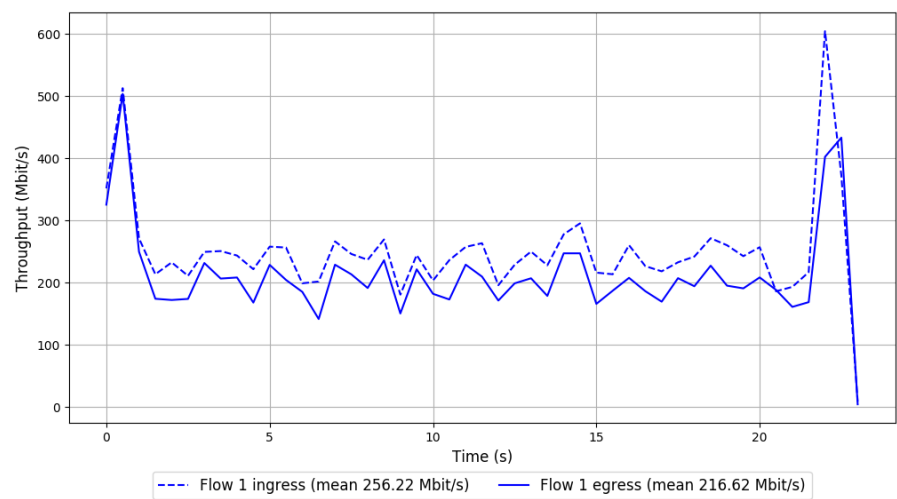
Start at: 2017-09-21 13:26:13

End at: 2017-09-21 13:26:43

Local clock offset: -0.599 ms

Remote clock offset: -2.242 ms

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

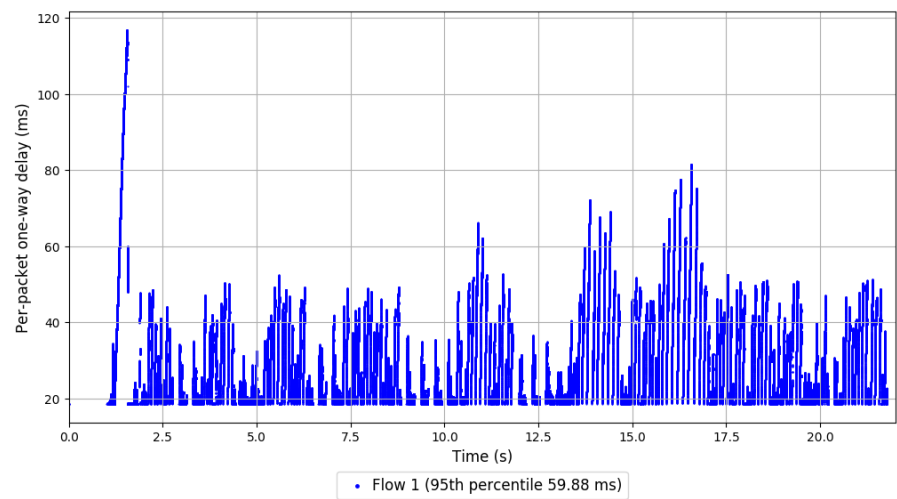
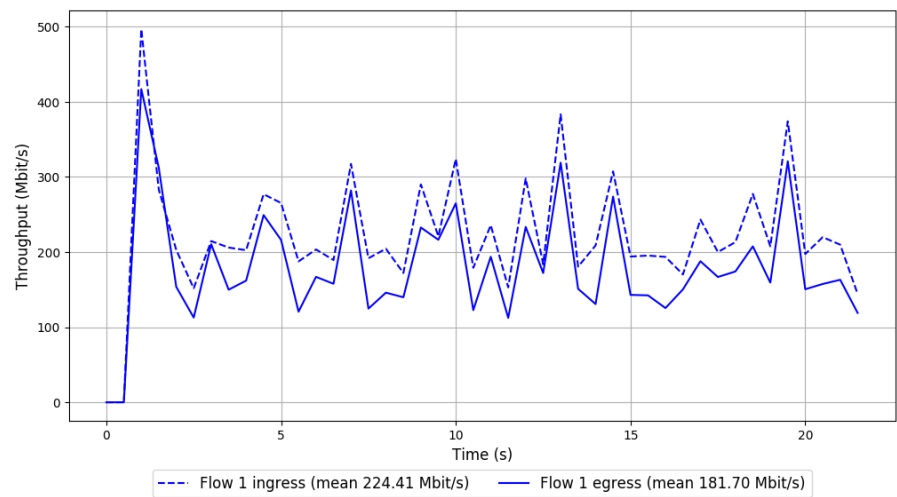
Start at: 2017-09-21 13:44:47

End at: 2017-09-21 13:45:17

Local clock offset: -0.541 ms

Remote clock offset: -2.307 ms

Run 5: Report of Verus — Data Link

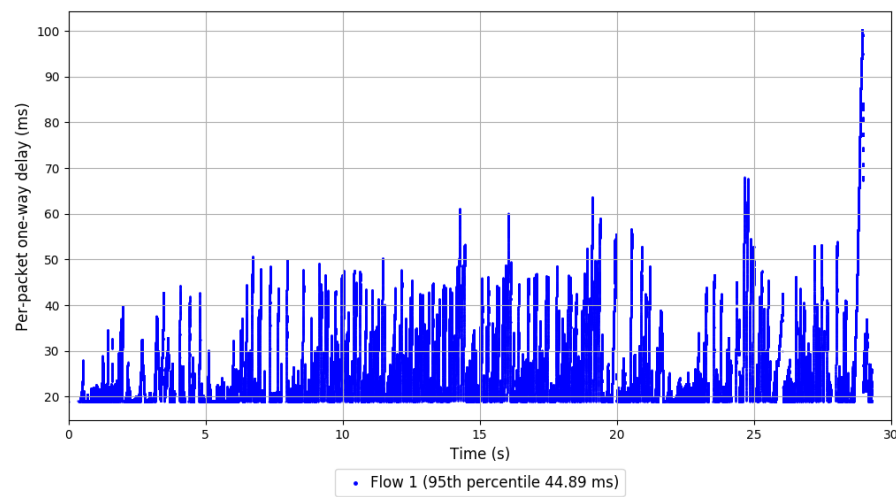
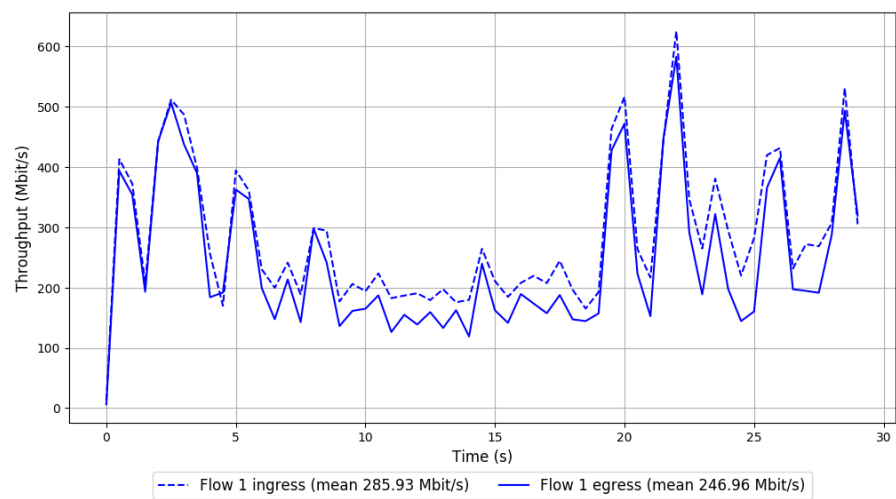


Run 6: Statistics of Verus

Start at: 2017-09-21 14:03:35
End at: 2017-09-21 14:04:05
Local clock offset: -0.585 ms
Remote clock offset: -2.528 ms

Below is generated by plot.py at 2017-09-21 17:55:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 246.96 Mbit/s
95th percentile per-packet one-way delay: 44.892 ms
Loss rate: 13.63%
-- Flow 1:
Average throughput: 246.96 Mbit/s
95th percentile per-packet one-way delay: 44.892 ms
Loss rate: 13.63%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

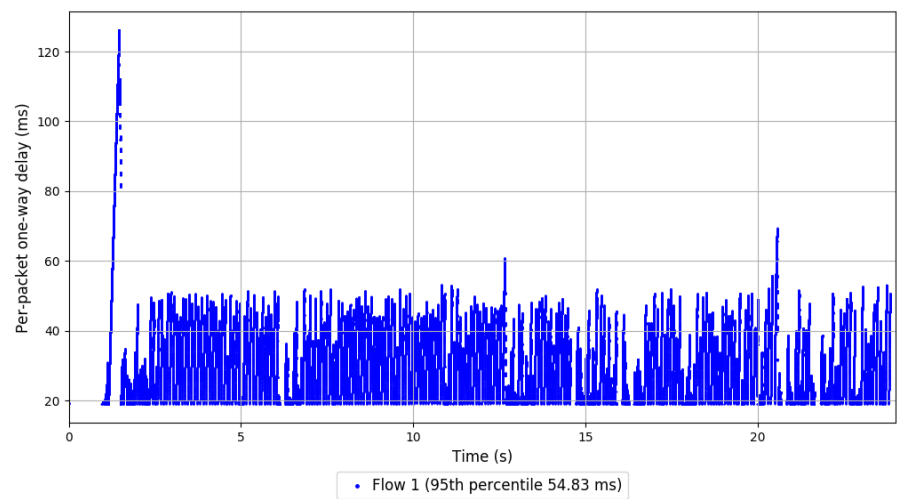
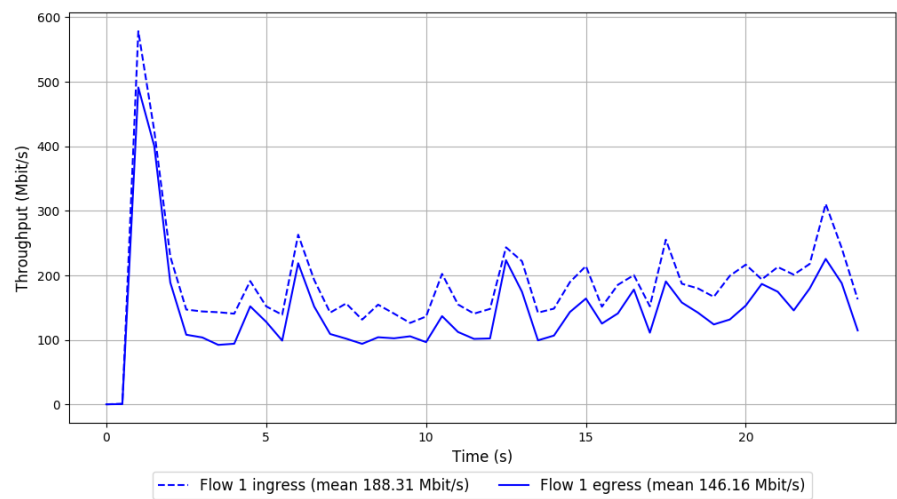
Start at: 2017-09-21 14:22:22

End at: 2017-09-21 14:22:52

Local clock offset: -0.678 ms

Remote clock offset: -2.57 ms

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

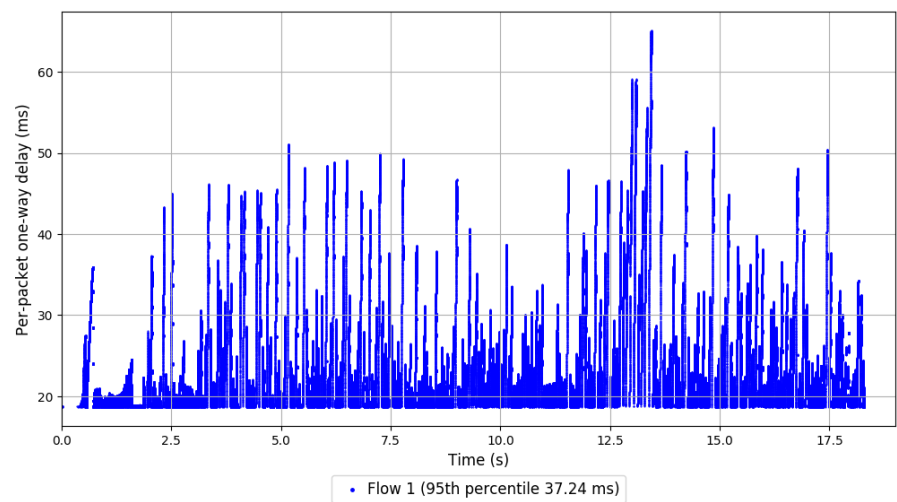
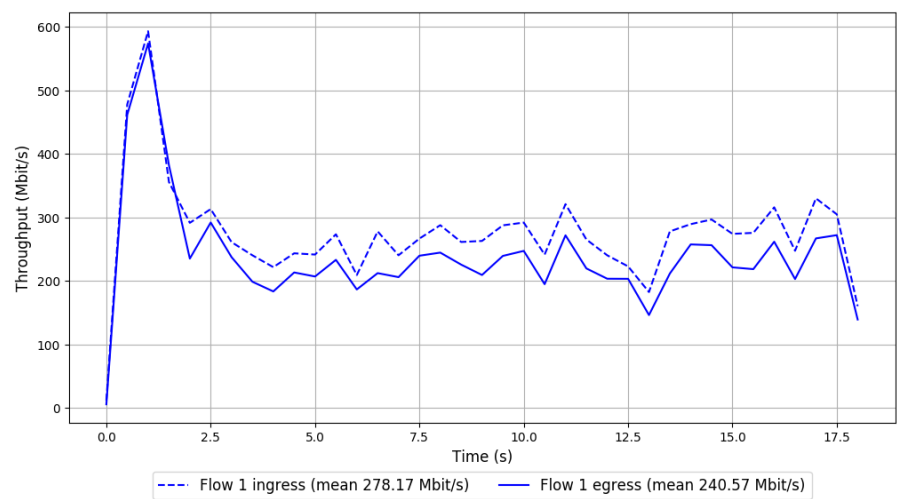
Start at: 2017-09-21 14:40:42

End at: 2017-09-21 14:41:12

Local clock offset: -0.614 ms

Remote clock offset: -2.232 ms

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

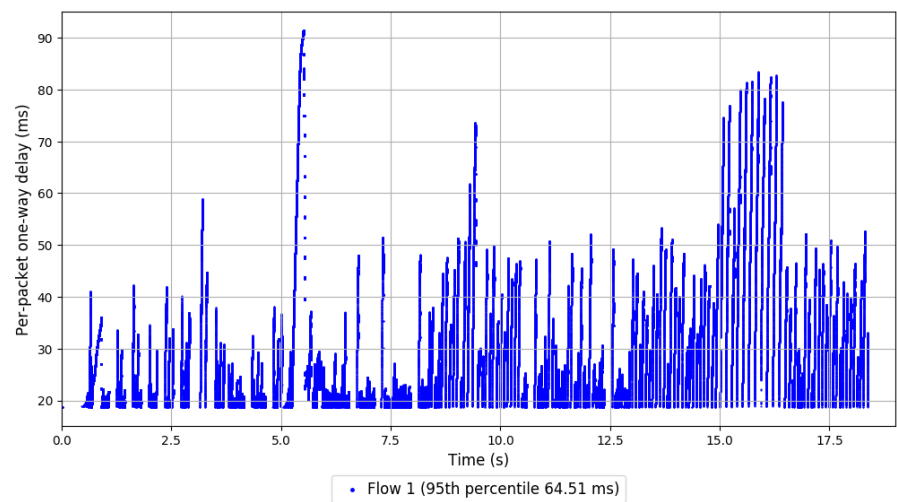
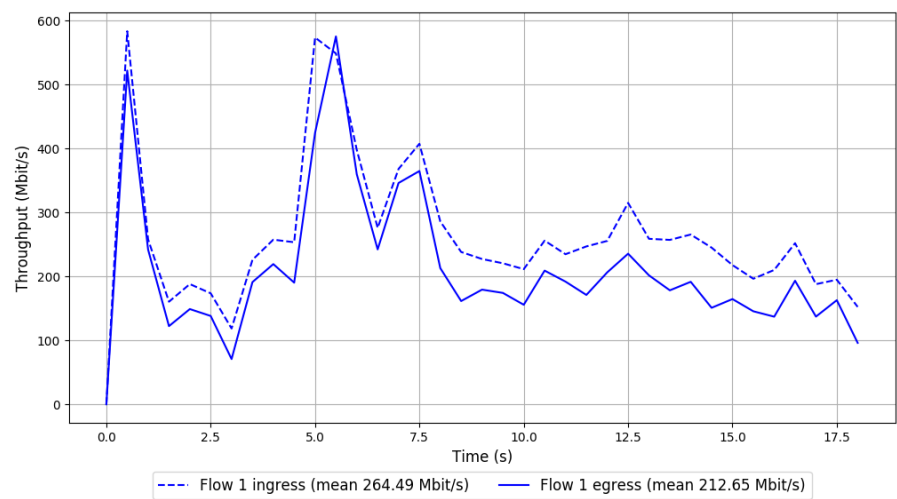
Start at: 2017-09-21 14:59:10

End at: 2017-09-21 14:59:40

Local clock offset: -0.716 ms

Remote clock offset: -2.591 ms

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

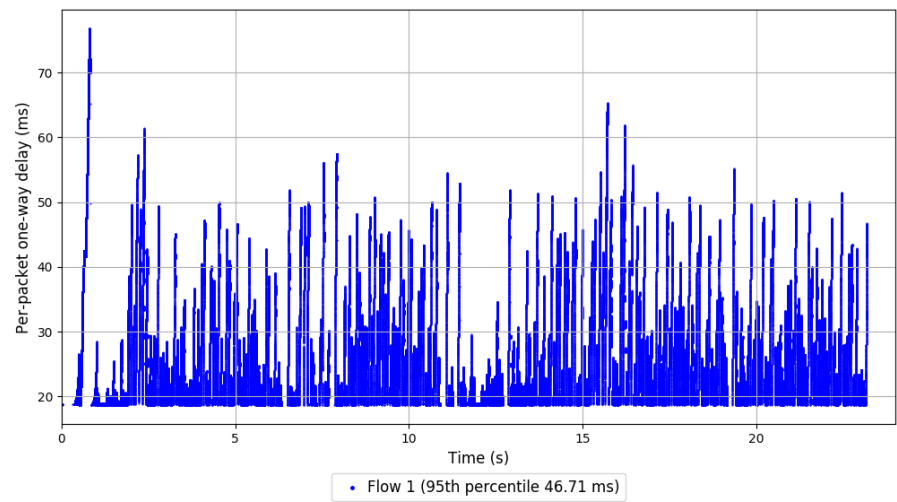
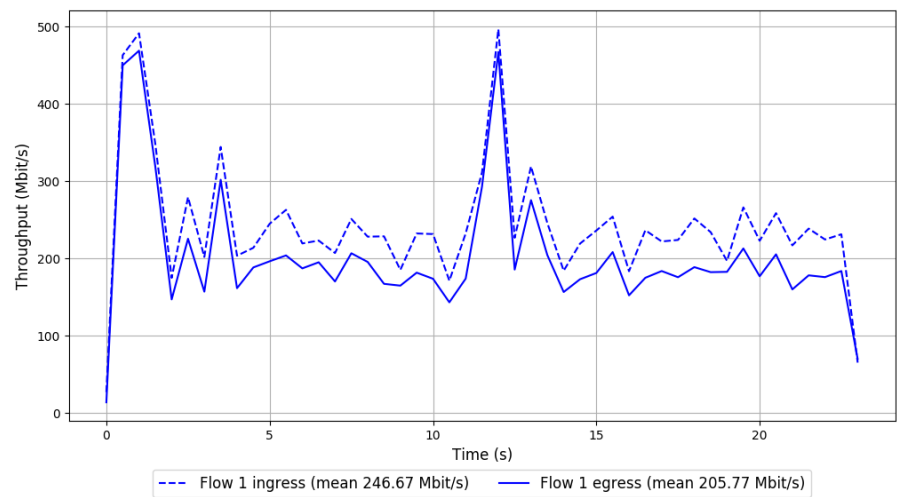
Start at: 2017-09-21 15:17:47

End at: 2017-09-21 15:18:17

Local clock offset: -0.446 ms

Remote clock offset: -2.712 ms

Run 10: Report of Verus — Data Link

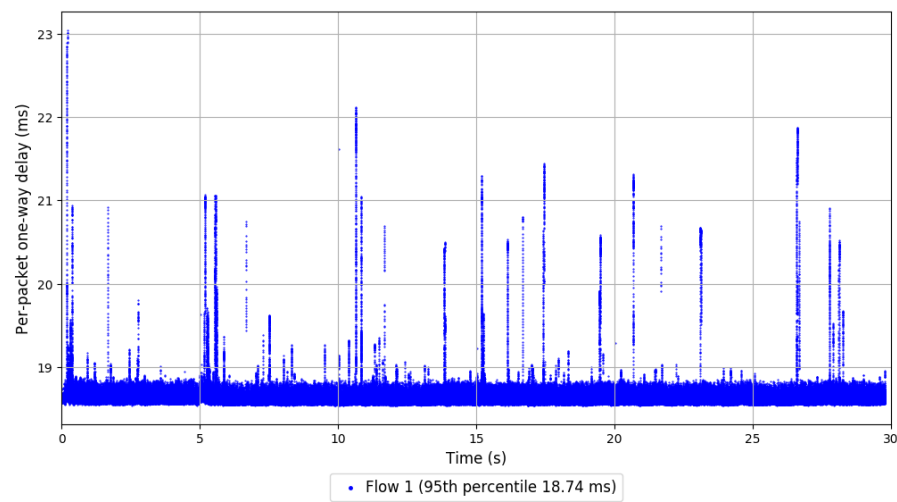
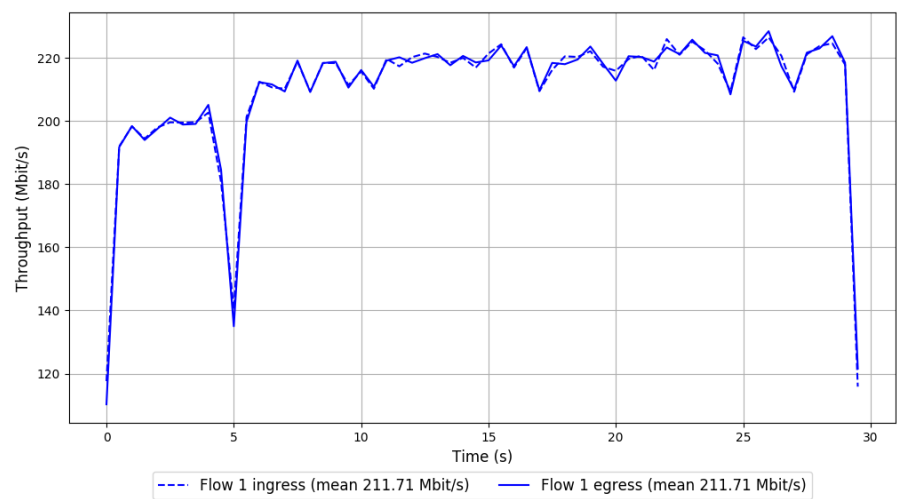


```
Run 1: Statistics of Indigo

Start at: 2017-09-21 12:32:41
End at: 2017-09-21 12:33:11
Local clock offset: -0.168 ms
Remote clock offset: -1.713 ms

# Below is generated by plot.py at 2017-09-21 17:56:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 211.71 Mbit/s
95th percentile per-packet one-way delay: 18.738 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 211.71 Mbit/s
95th percentile per-packet one-way delay: 18.738 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

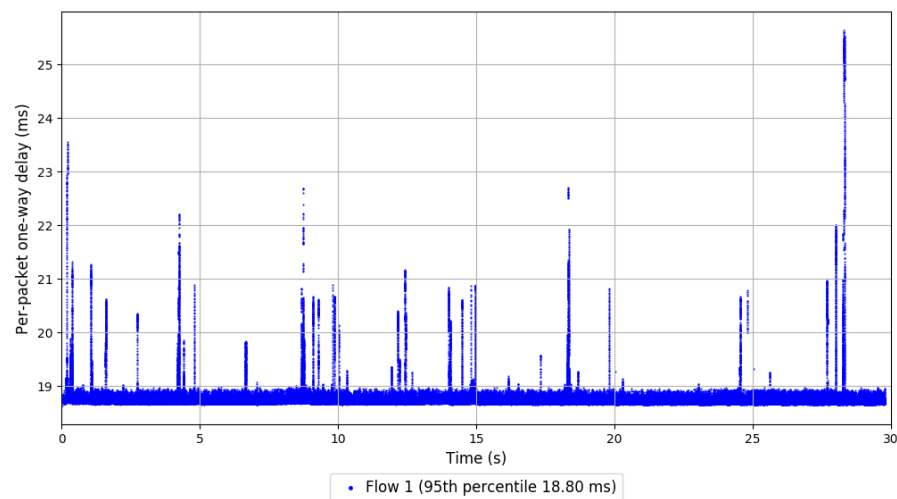
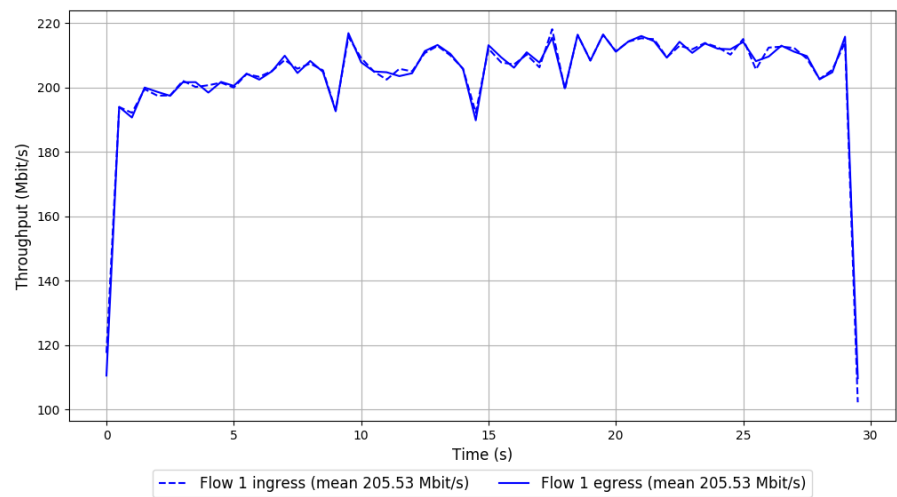


Run 2: Statistics of Indigo

Start at: 2017-09-21 12:51:25
End at: 2017-09-21 12:51:55
Local clock offset: -0.362 ms
Remote clock offset: -1.571 ms

Below is generated by plot.py at 2017-09-21 17:56:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.53 Mbit/s
95th percentile per-packet one-way delay: 18.804 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 205.53 Mbit/s
95th percentile per-packet one-way delay: 18.804 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

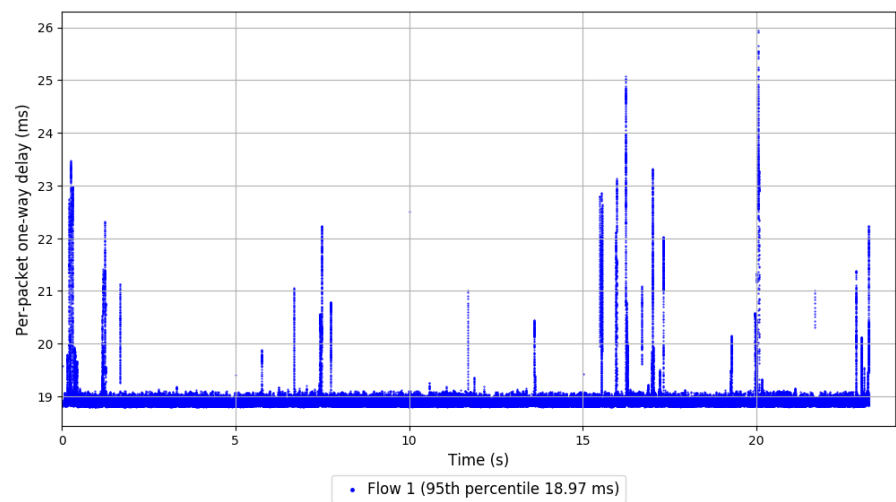
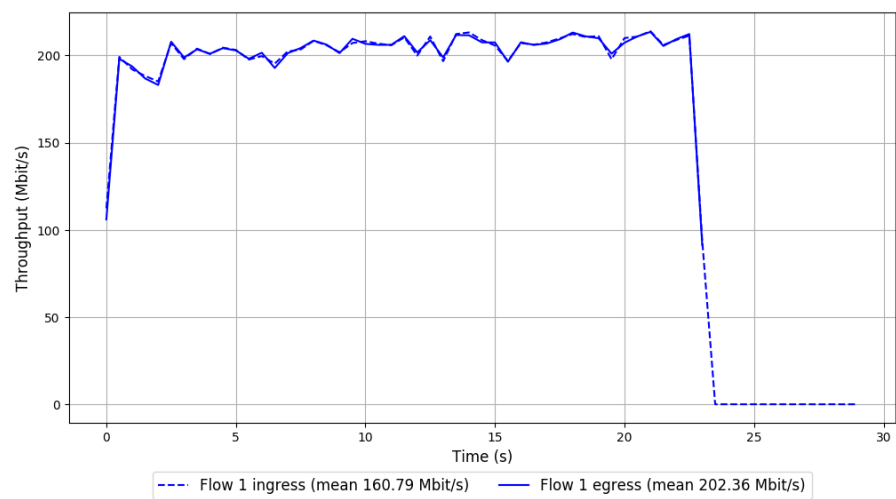
Start at: 2017-09-21 13:10:04

End at: 2017-09-21 13:10:34

Local clock offset: -0.484 ms

Remote clock offset: -1.947 ms

Run 3: Report of Indigo — Data Link

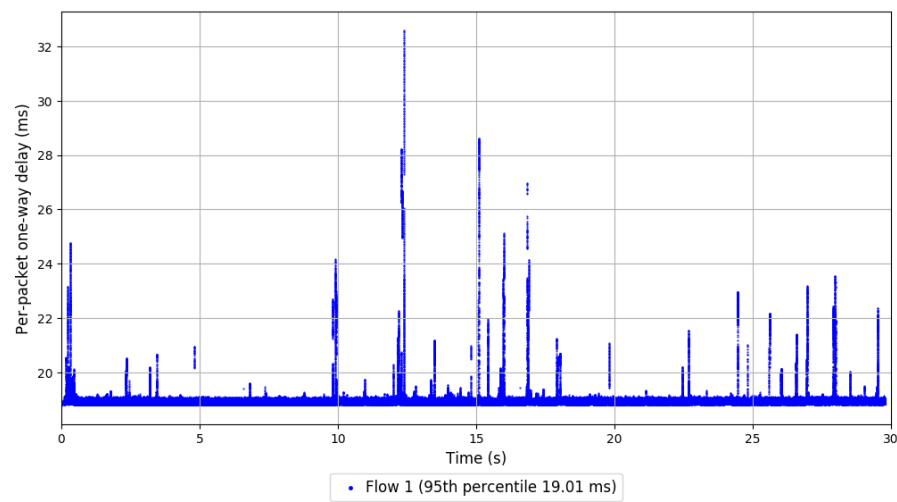
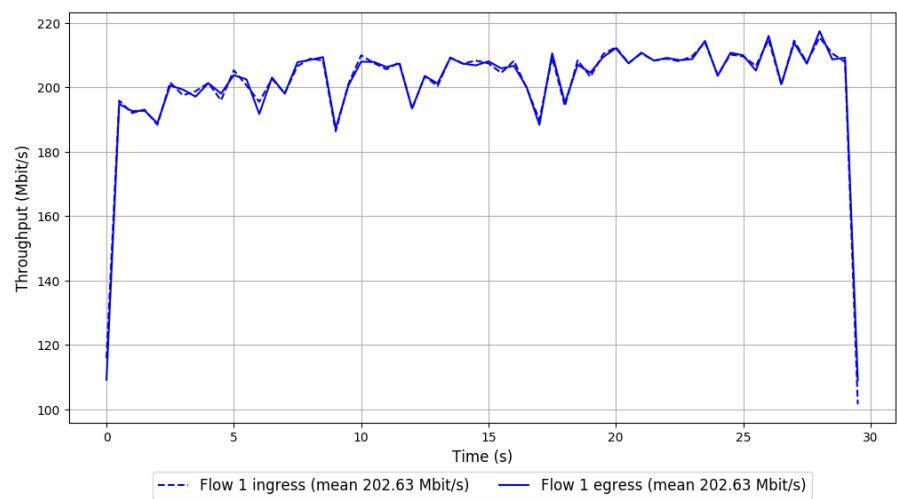


Run 4: Statistics of Indigo

Start at: 2017-09-21 13:28:56
End at: 2017-09-21 13:29:26
Local clock offset: -0.592 ms
Remote clock offset: -2.421 ms

Below is generated by plot.py at 2017-09-21 17:56:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 202.63 Mbit/s
95th percentile per-packet one-way delay: 19.013 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 202.63 Mbit/s
95th percentile per-packet one-way delay: 19.013 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

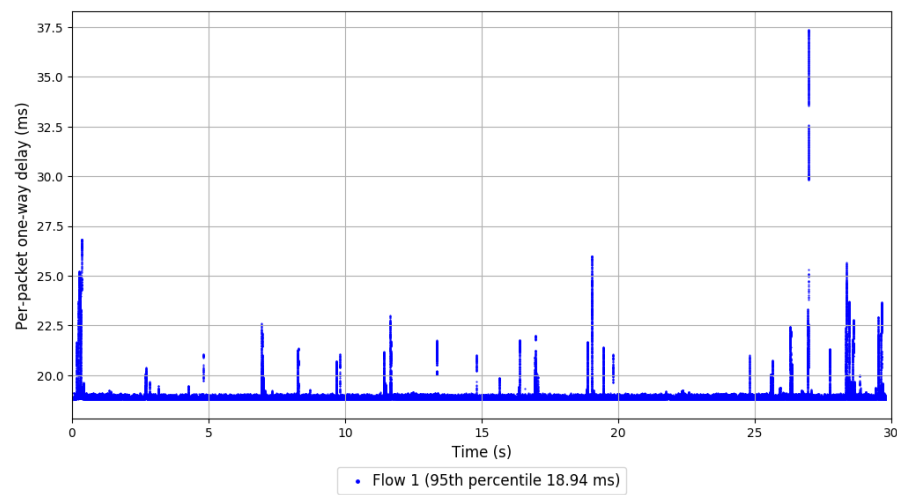
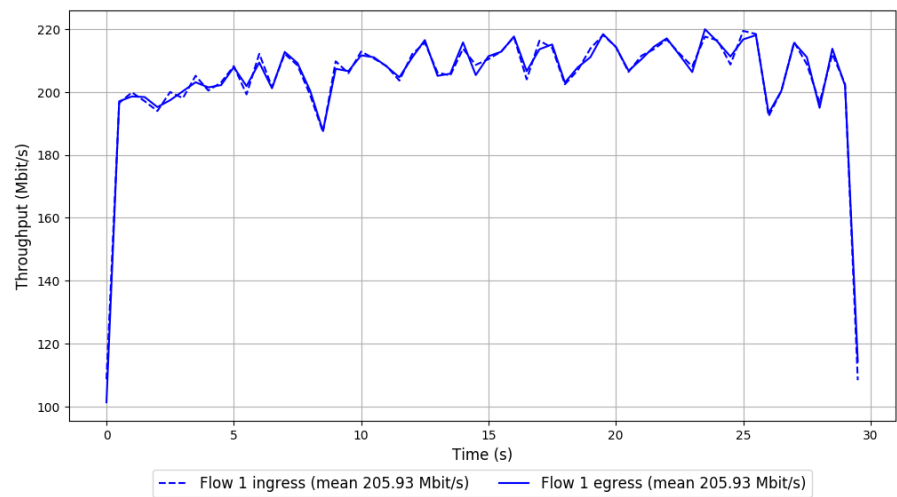


Run 5: Statistics of Indigo

Start at: 2017-09-21 13:47:25
End at: 2017-09-21 13:47:55
Local clock offset: -0.62 ms
Remote clock offset: -2.161 ms

Below is generated by plot.py at 2017-09-21 17:58:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.93 Mbit/s
95th percentile per-packet one-way delay: 18.941 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 205.93 Mbit/s
95th percentile per-packet one-way delay: 18.941 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

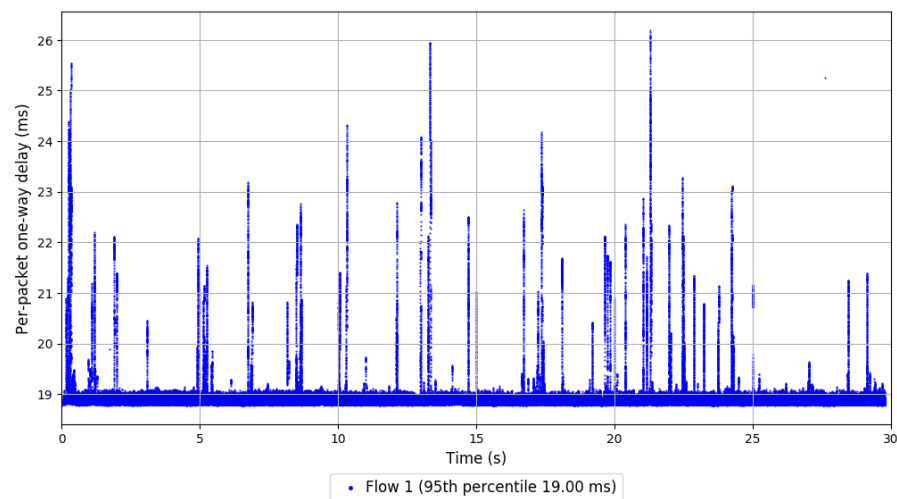
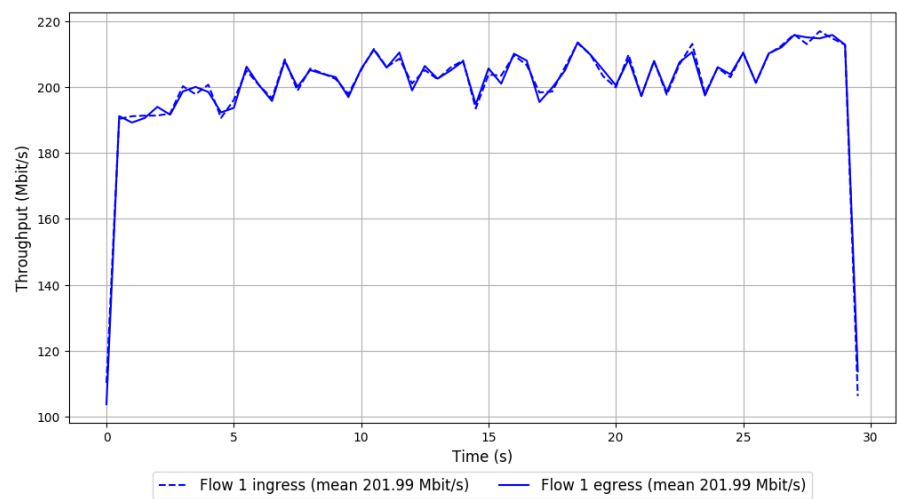


Run 6: Statistics of Indigo

Start at: 2017-09-21 14:06:18
End at: 2017-09-21 14:06:48
Local clock offset: -0.5 ms
Remote clock offset: -2.538 ms

Below is generated by plot.py at 2017-09-21 17:58:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 201.99 Mbit/s
95th percentile per-packet one-way delay: 18.997 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 201.99 Mbit/s
95th percentile per-packet one-way delay: 18.997 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

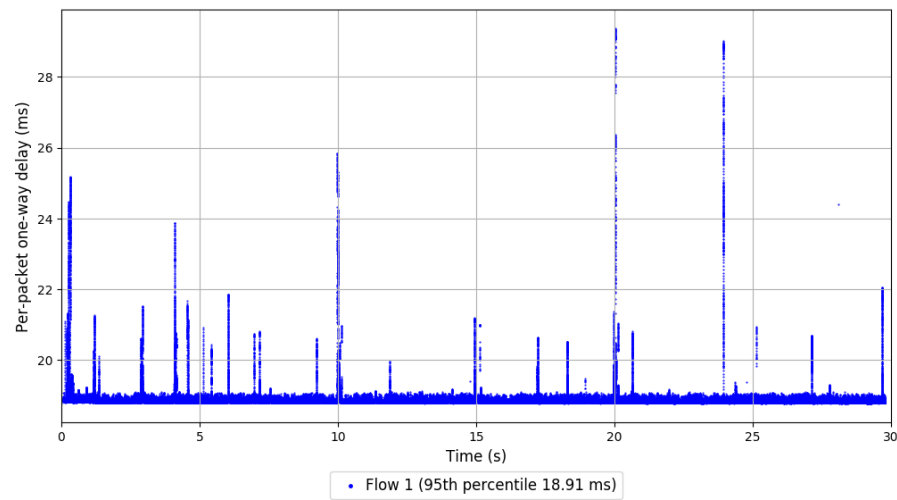
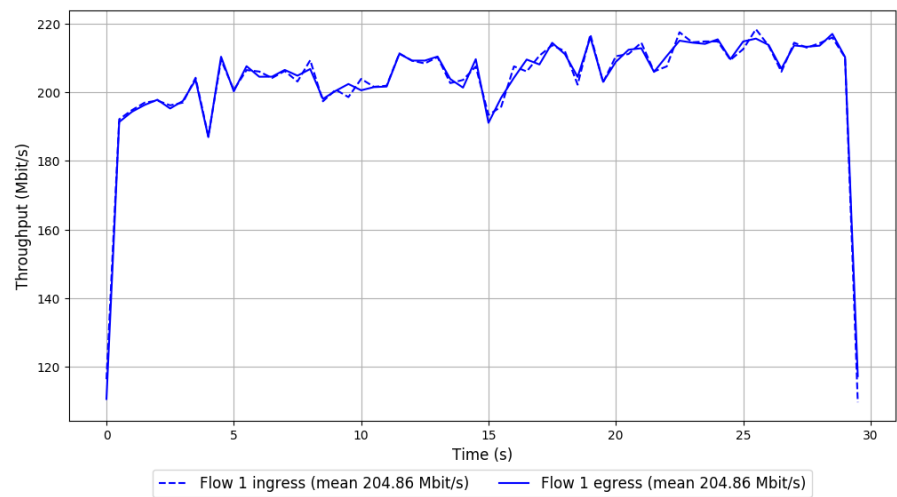


Run 7: Statistics of Indigo

Start at: 2017-09-21 14:24:57
End at: 2017-09-21 14:25:27
Local clock offset: -0.685 ms
Remote clock offset: -2.487 ms

Below is generated by plot.py at 2017-09-21 17:58:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 204.86 Mbit/s
95th percentile per-packet one-way delay: 18.906 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 204.86 Mbit/s
95th percentile per-packet one-way delay: 18.906 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

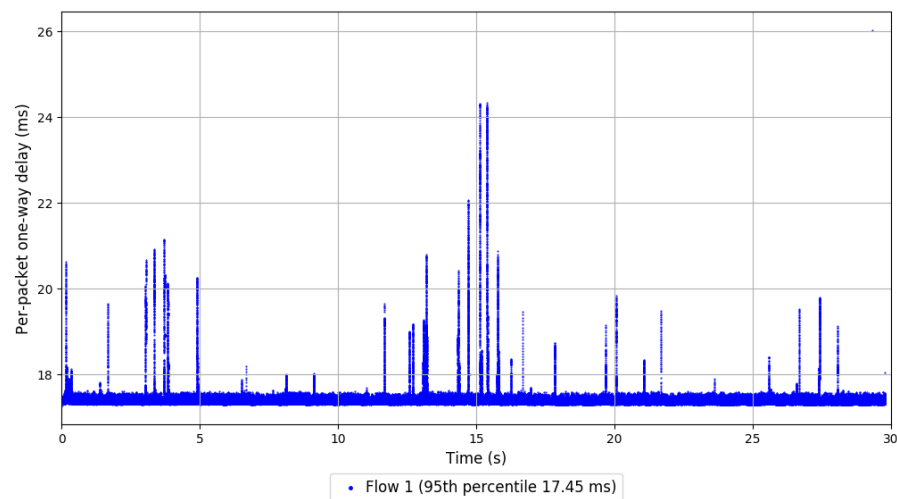
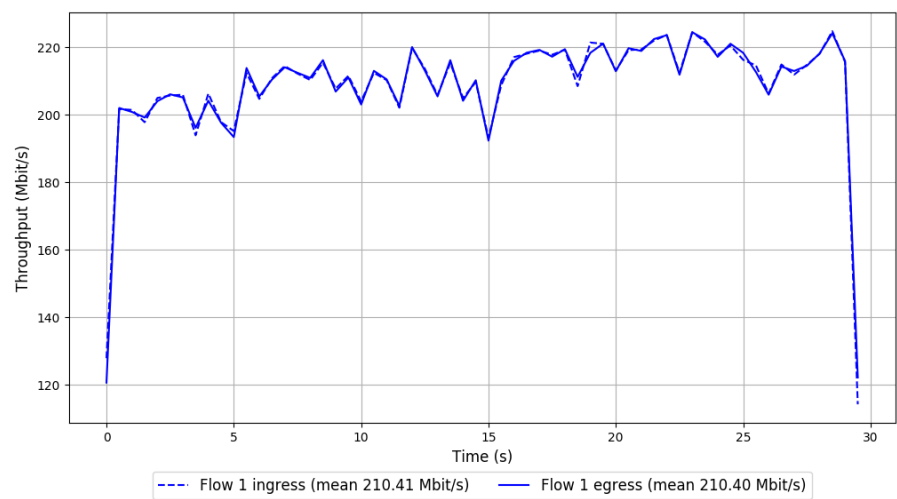


Run 8: Statistics of Indigo

Start at: 2017-09-21 14:43:18
End at: 2017-09-21 14:43:48
Local clock offset: -0.7 ms
Remote clock offset: -2.187 ms

Below is generated by plot.py at 2017-09-21 17:59:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 210.40 Mbit/s
95th percentile per-packet one-way delay: 17.451 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 210.40 Mbit/s
95th percentile per-packet one-way delay: 17.451 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

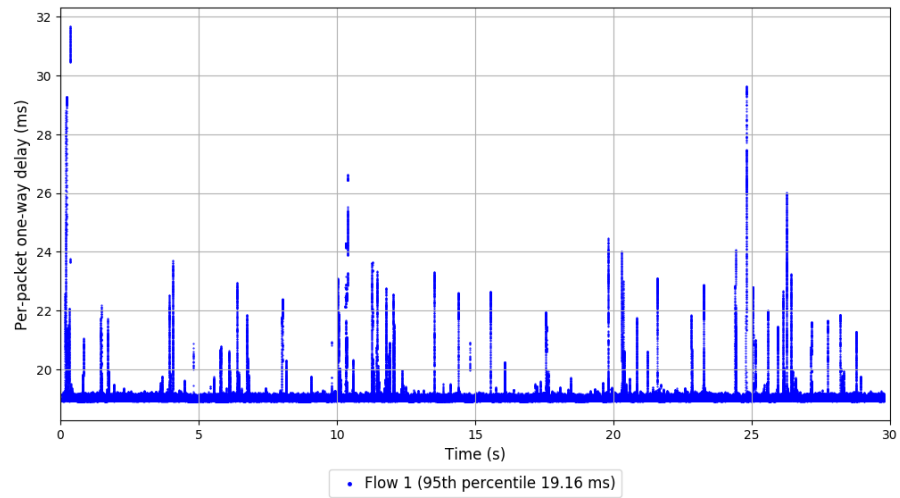
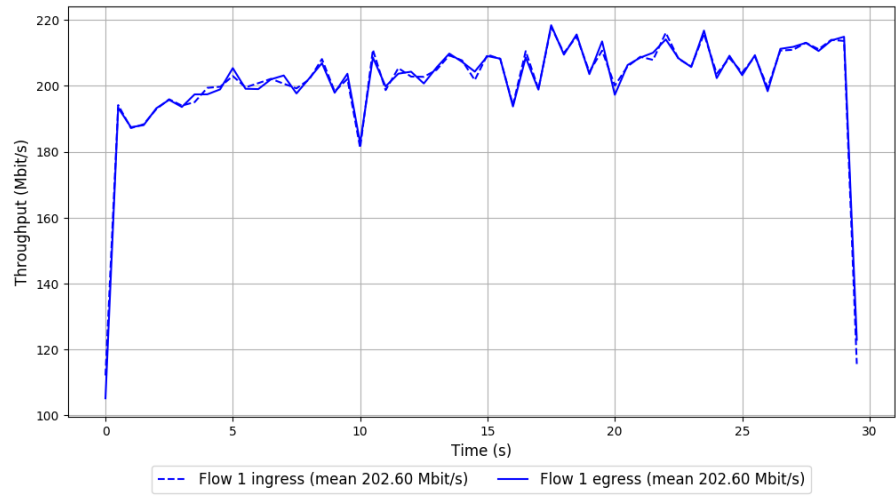


Run 9: Statistics of Indigo

Start at: 2017-09-21 15:01:51
End at: 2017-09-21 15:02:21
Local clock offset: -0.632 ms
Remote clock offset: -2.556 ms

Below is generated by plot.py at 2017-09-21 17:59:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 202.60 Mbit/s
95th percentile per-packet one-way delay: 19.156 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 202.60 Mbit/s
95th percentile per-packet one-way delay: 19.156 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2017-09-21 15:20:30

End at: 2017-09-21 15:21:00

Local clock offset: -0.433 ms

Remote clock offset: -2.704 ms

Below is generated by plot.py at 2017-09-21 17:59:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.82 Mbit/s

95th percentile per-packet one-way delay: 18.735 ms

Loss rate: 0.00%

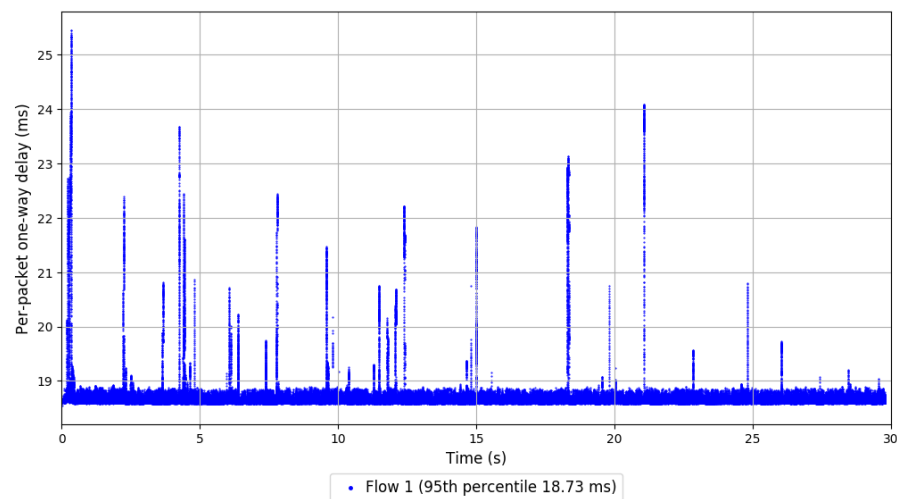
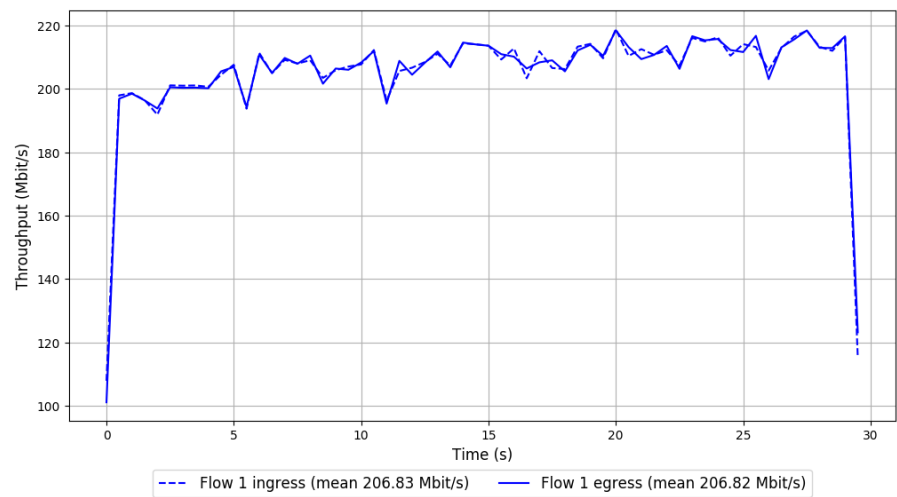
-- Flow 1:

Average throughput: 206.82 Mbit/s

95th percentile per-packet one-way delay: 18.735 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

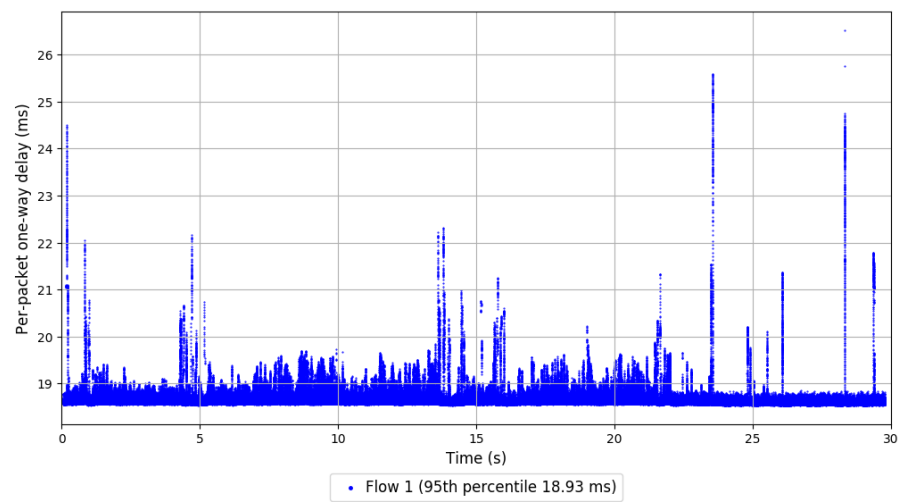
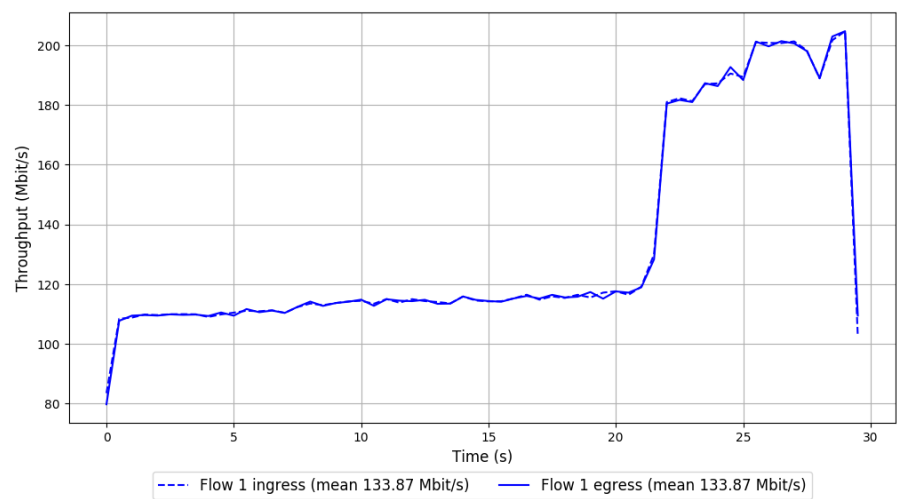


```
Run 1: Statistics of Indigo-calib

Start at: 2017-09-21 12:37:51
End at: 2017-09-21 12:38:21
Local clock offset: -0.188 ms
Remote clock offset: -1.722 ms

# Below is generated by plot.py at 2017-09-21 17:59:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 133.87 Mbit/s
95th percentile per-packet one-way delay: 18.930 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 133.87 Mbit/s
95th percentile per-packet one-way delay: 18.930 ms
Loss rate: 0.00%
```


Run 1: Report of Indigo-calib — Data Link

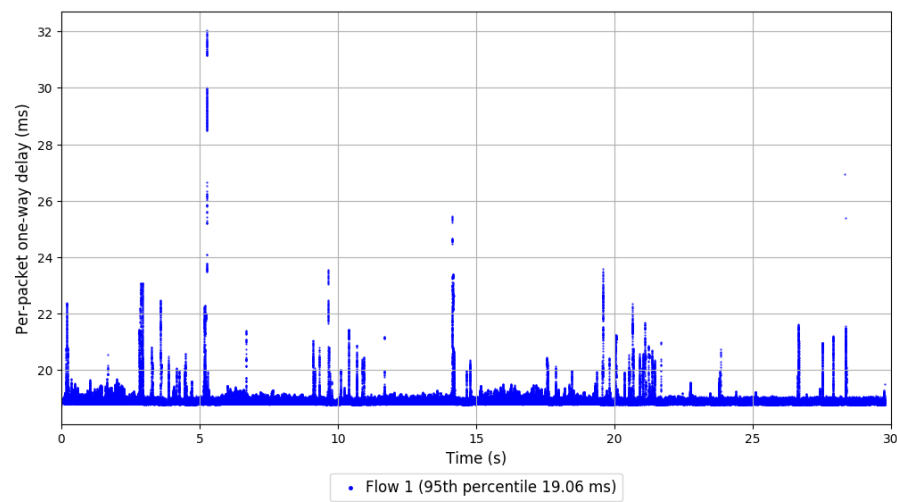
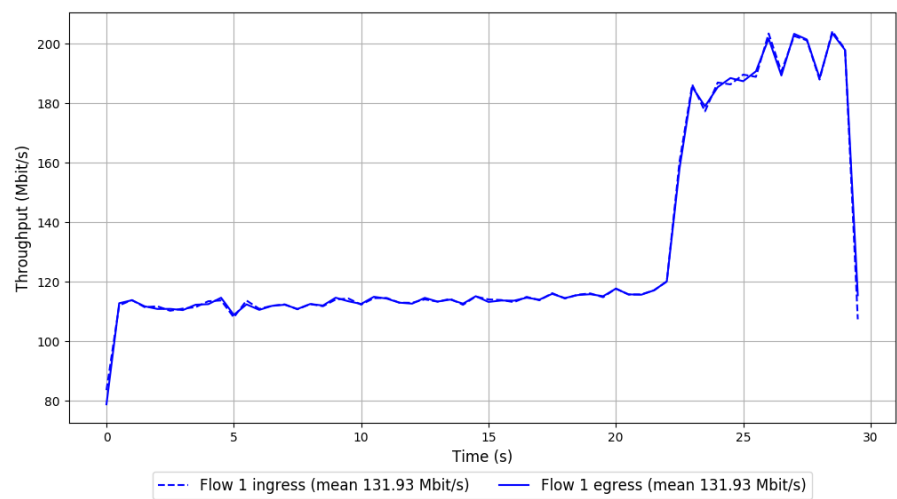


```
Run 2: Statistics of Indigo-calib

Start at: 2017-09-21 12:56:35
End at: 2017-09-21 12:57:05
Local clock offset: -0.318 ms
Remote clock offset: -1.553 ms

# Below is generated by plot.py at 2017-09-21 17:59:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 131.93 Mbit/s
95th percentile per-packet one-way delay: 19.057 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 131.93 Mbit/s
95th percentile per-packet one-way delay: 19.057 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-calib — Data Link

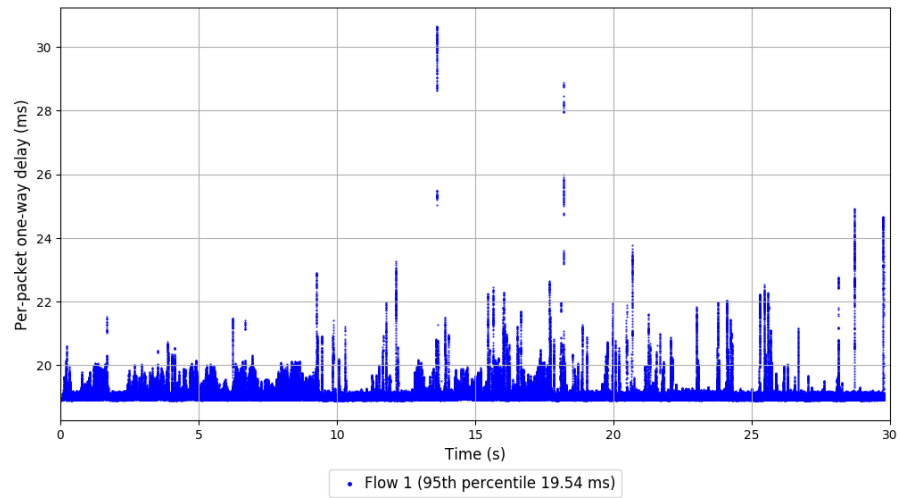
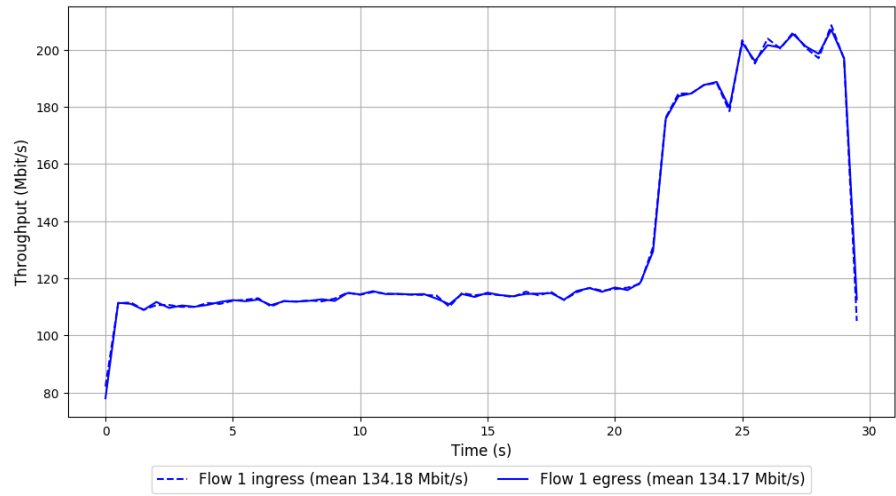


Run 3: Statistics of Indigo-calib

Start at: 2017-09-21 13:15:21
End at: 2017-09-21 13:15:51
Local clock offset: -0.627 ms
Remote clock offset: -2.024 ms

Below is generated by plot.py at 2017-09-21 18:00:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 134.17 Mbit/s
95th percentile per-packet one-way delay: 19.539 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 134.17 Mbit/s
95th percentile per-packet one-way delay: 19.539 ms
Loss rate: 0.00%

Run 3: Report of Indigo-calib — Data Link

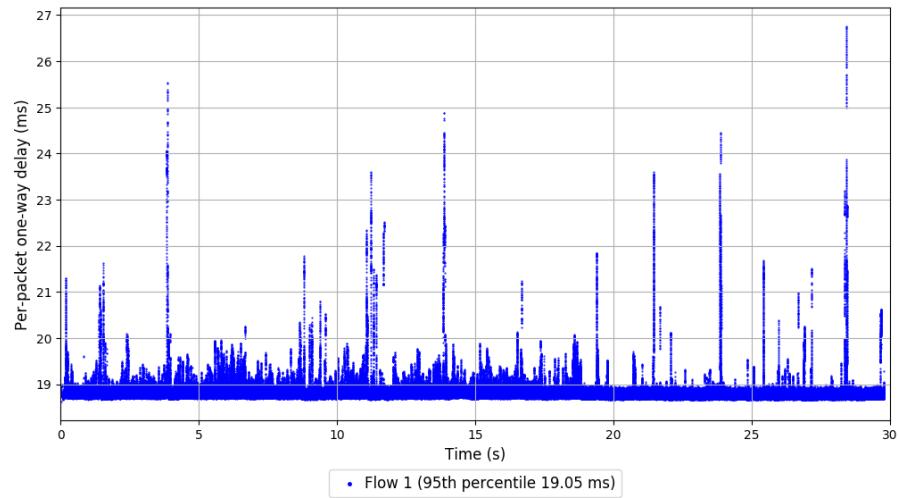
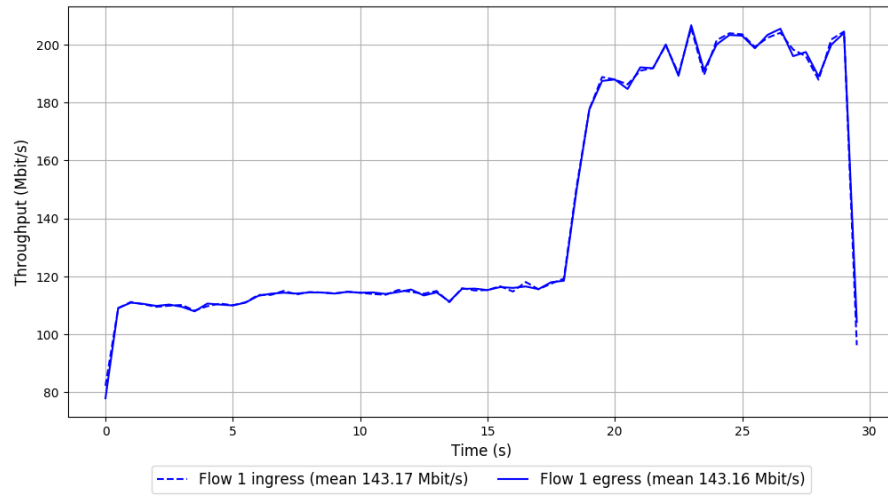


Run 4: Statistics of Indigo-calib

Start at: 2017-09-21 13:34:00
End at: 2017-09-21 13:34:30
Local clock offset: -0.675 ms
Remote clock offset: -2.478 ms

Below is generated by plot.py at 2017-09-21 18:00:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 143.16 Mbit/s
95th percentile per-packet one-way delay: 19.052 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 143.16 Mbit/s
95th percentile per-packet one-way delay: 19.052 ms
Loss rate: 0.00%

Run 4: Report of Indigo-calib — Data Link

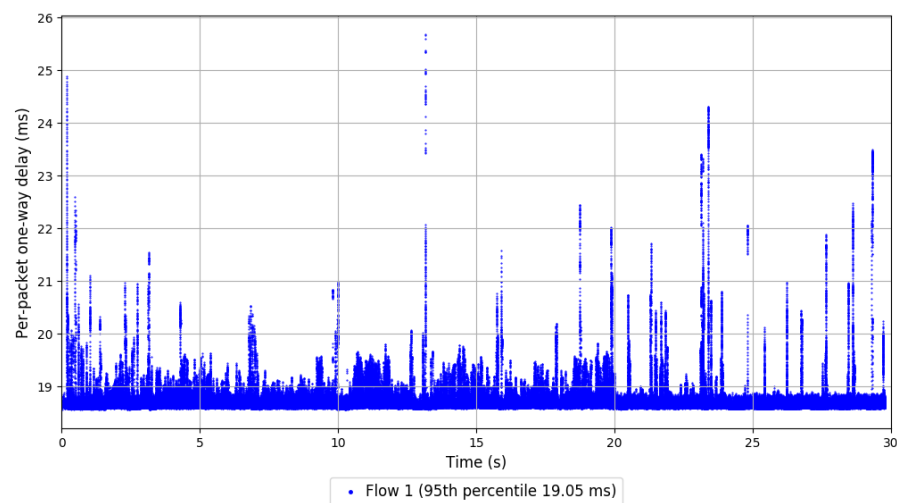
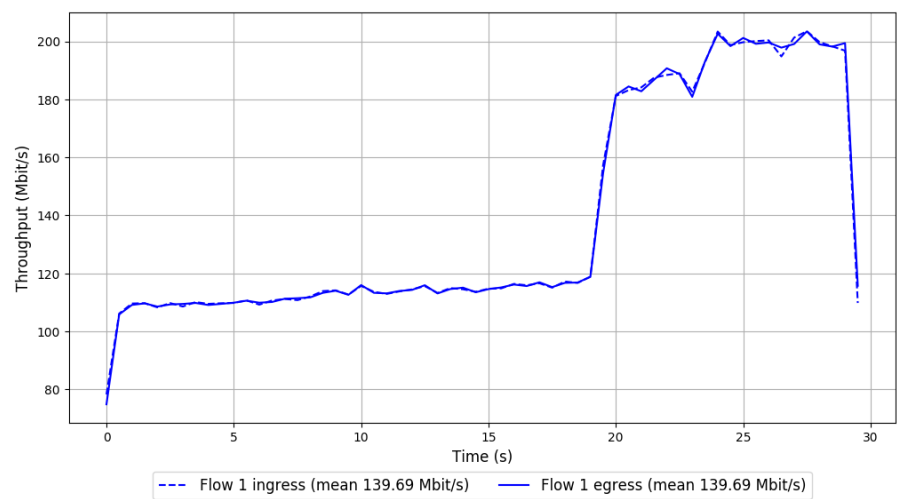


Run 5: Statistics of Indigo-calib

Start at: 2017-09-21 13:52:33
End at: 2017-09-21 13:53:03
Local clock offset: -0.502 ms
Remote clock offset: -2.268 ms

Below is generated by plot.py at 2017-09-21 18:00:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 139.69 Mbit/s
95th percentile per-packet one-way delay: 19.054 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 139.69 Mbit/s
95th percentile per-packet one-way delay: 19.054 ms
Loss rate: 0.00%

Run 5: Report of Indigo-calib — Data Link

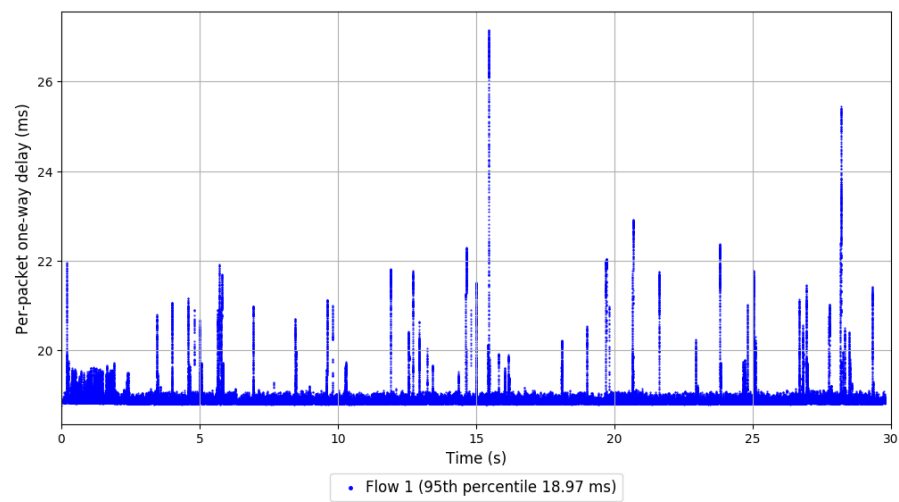
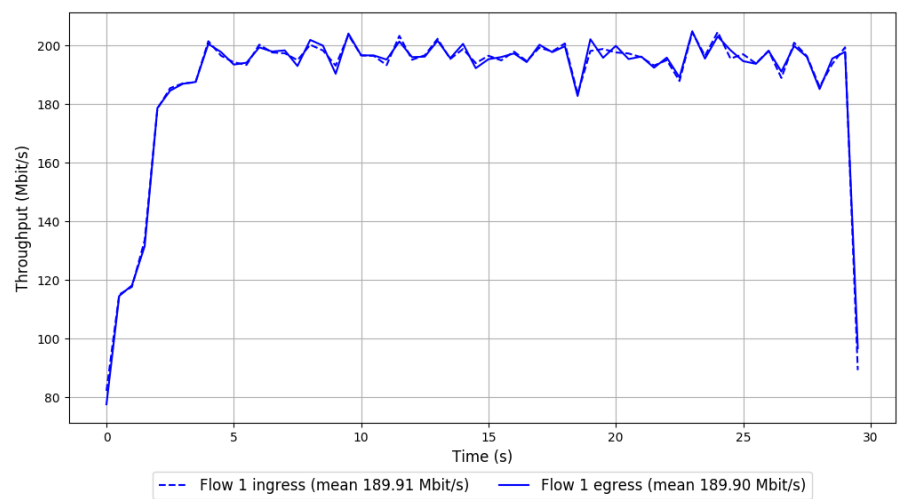


Run 6: Statistics of Indigo-calib

Start at: 2017-09-21 14:11:28
End at: 2017-09-21 14:11:58
Local clock offset: -0.52 ms
Remote clock offset: -2.555 ms

Below is generated by plot.py at 2017-09-21 18:01:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 189.90 Mbit/s
95th percentile per-packet one-way delay: 18.966 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 189.90 Mbit/s
95th percentile per-packet one-way delay: 18.966 ms
Loss rate: 0.00%

Run 6: Report of Indigo-calib — Data Link



Run 7: Statistics of Indigo-calib

Start at: 2017-09-21 14:30:03

End at: 2017-09-21 14:30:33

Local clock offset: -0.619 ms

Remote clock offset: -2.53 ms

Below is generated by plot.py at 2017-09-21 18:01:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 112.93 Mbit/s

95th percentile per-packet one-way delay: 19.418 ms

Loss rate: 0.00%

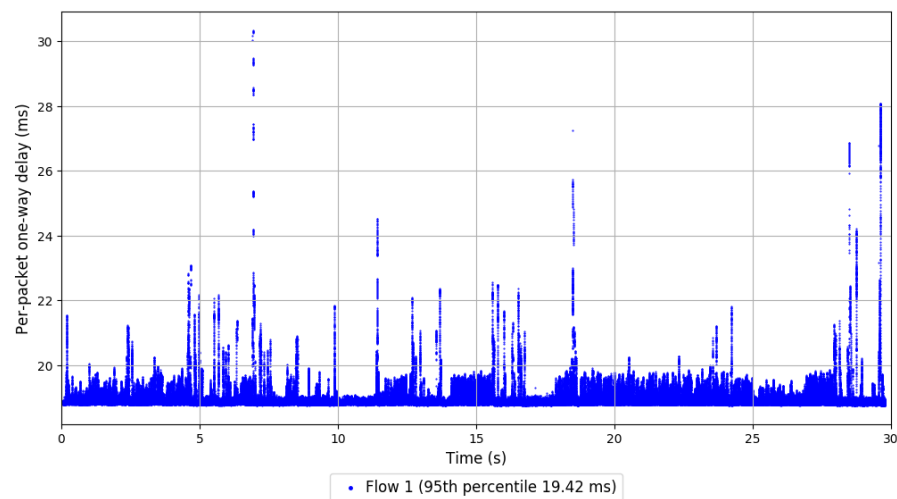
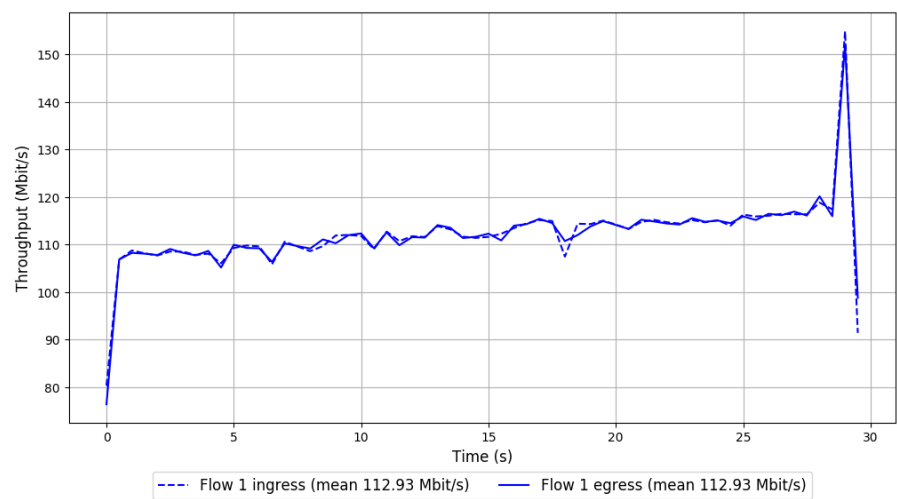
-- Flow 1:

Average throughput: 112.93 Mbit/s

95th percentile per-packet one-way delay: 19.418 ms

Loss rate: 0.00%

Run 7: Report of Indigo-calib — Data Link

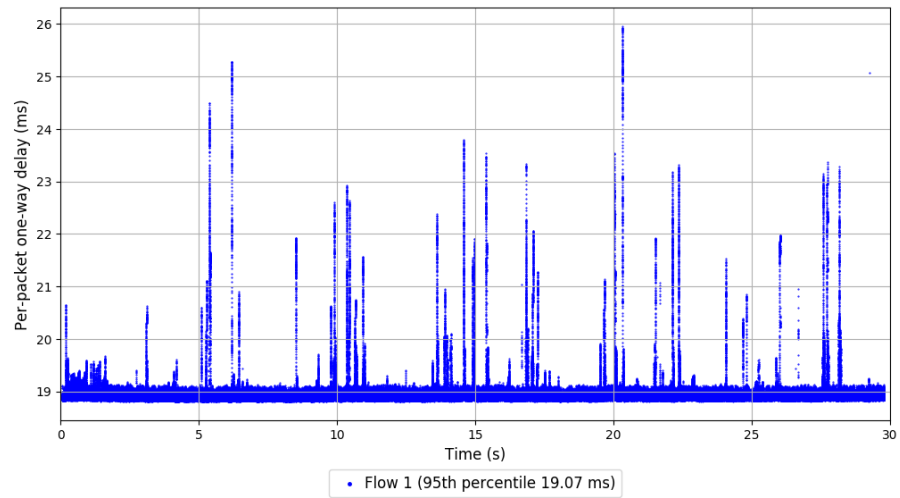
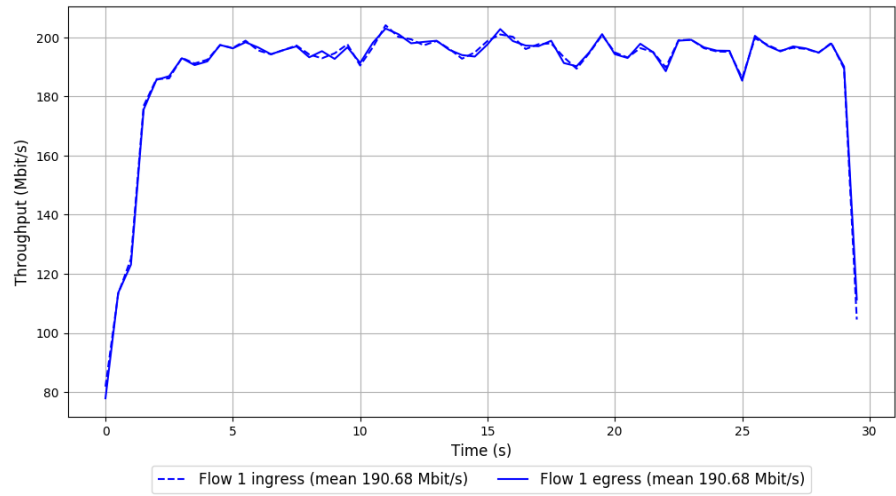


Run 8: Statistics of Indigo-calib

Start at: 2017-09-21 14:48:27
End at: 2017-09-21 14:48:57
Local clock offset: -0.63 ms
Remote clock offset: -2.343 ms

Below is generated by plot.py at 2017-09-21 18:01:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 190.68 Mbit/s
95th percentile per-packet one-way delay: 19.069 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 190.68 Mbit/s
95th percentile per-packet one-way delay: 19.069 ms
Loss rate: 0.00%

Run 8: Report of Indigo-calib — Data Link

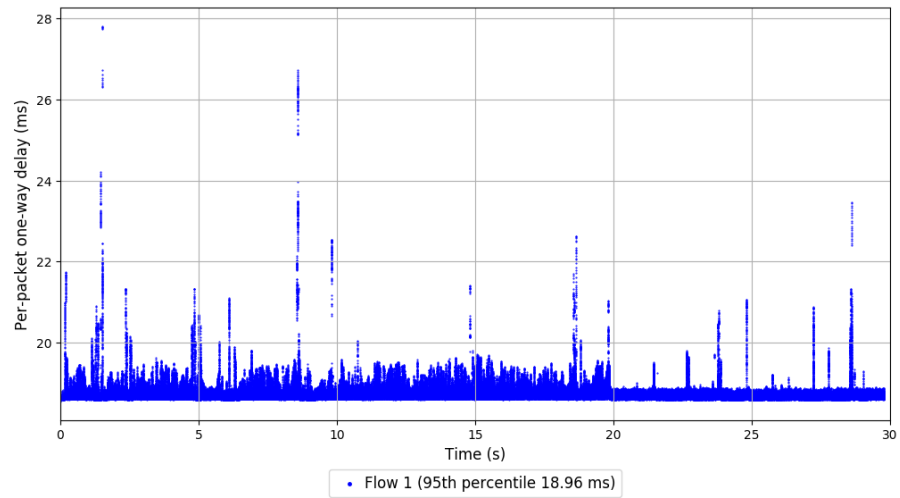
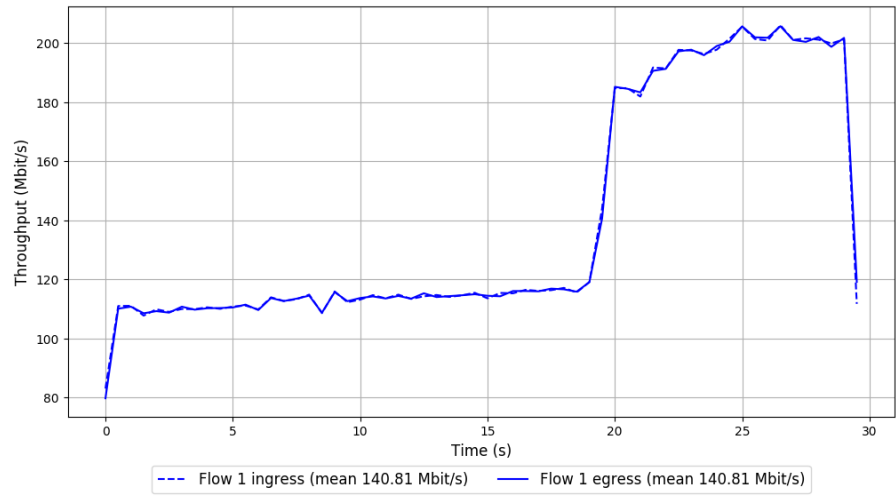


Run 9: Statistics of Indigo-calib

Start at: 2017-09-21 15:06:58
End at: 2017-09-21 15:07:28
Local clock offset: -0.585 ms
Remote clock offset: -2.673 ms

Below is generated by plot.py at 2017-09-21 18:01:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 140.81 Mbit/s
95th percentile per-packet one-way delay: 18.959 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 140.81 Mbit/s
95th percentile per-packet one-way delay: 18.959 ms
Loss rate: 0.00%

Run 9: Report of Indigo-calib — Data Link



Run 10: Statistics of Indigo-calib

Start at: 2017-09-21 15:25:40

End at: 2017-09-21 15:26:10

Local clock offset: -0.465 ms

Remote clock offset: -2.64 ms

Below is generated by plot.py at 2017-09-21 18:01:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 120.58 Mbit/s

95th percentile per-packet one-way delay: 19.459 ms

Loss rate: 0.00%

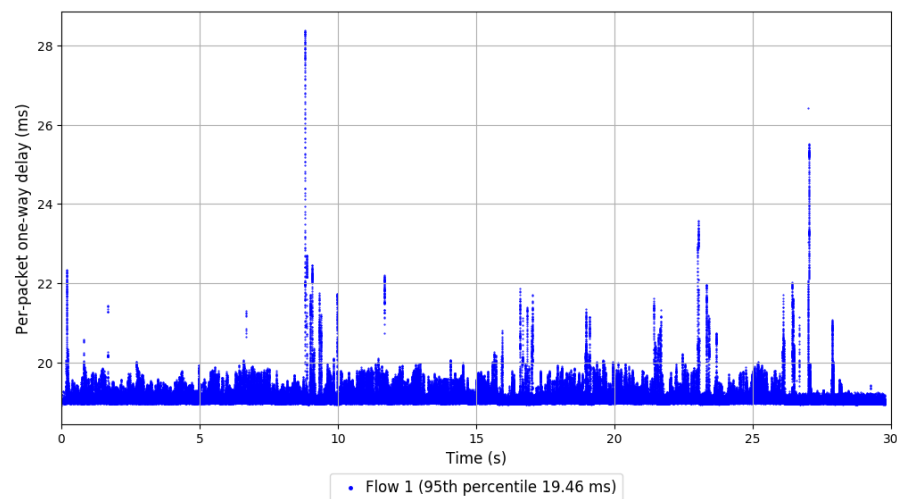
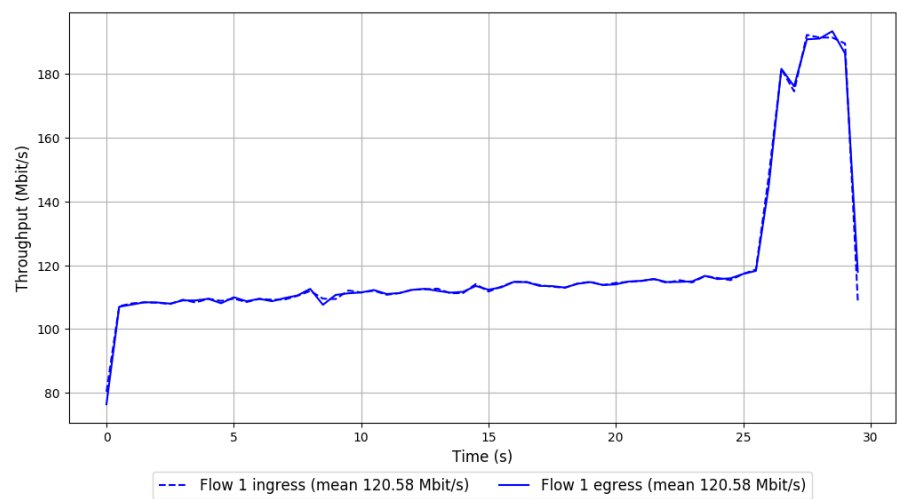
-- Flow 1:

Average throughput: 120.58 Mbit/s

95th percentile per-packet one-way delay: 19.459 ms

Loss rate: 0.00%

Run 10: Report of Indigo-calib — Data Link

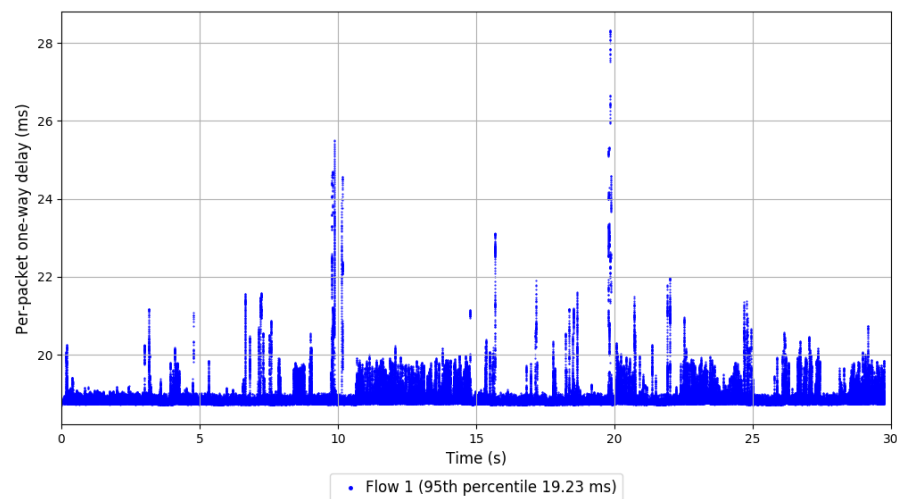
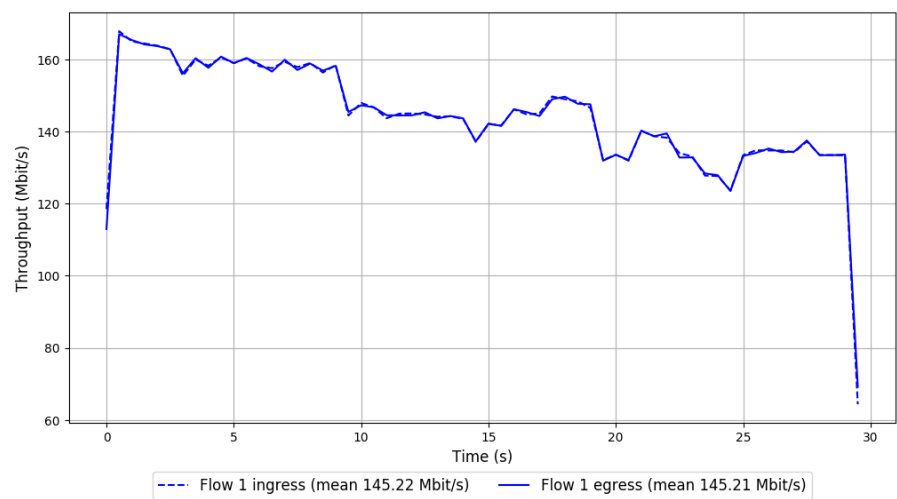


```
Run 1: Statistics of Indigo-delay

Start at: 2017-09-21 12:44:26
End at: 2017-09-21 12:44:56
Local clock offset: -0.298 ms
Remote clock offset: -1.601 ms

# Below is generated by plot.py at 2017-09-21 18:02:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 145.21 Mbit/s
95th percentile per-packet one-way delay: 19.230 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 145.21 Mbit/s
95th percentile per-packet one-way delay: 19.230 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-delay — Data Link

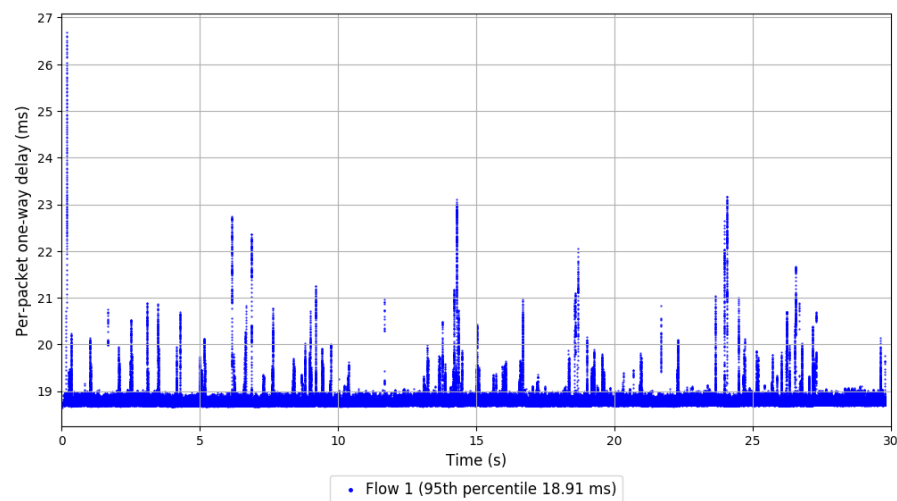
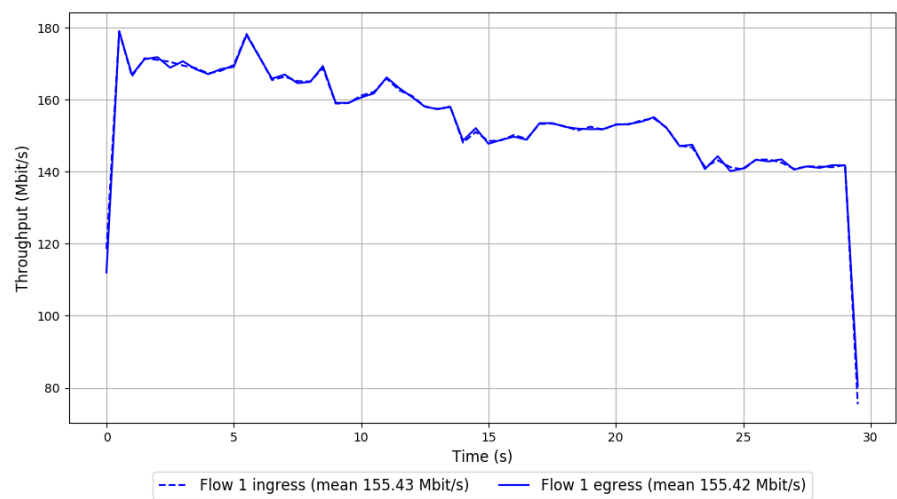


```
Run 2: Statistics of Indigo-delay

Start at: 2017-09-21 13:03:08
End at: 2017-09-21 13:03:38
Local clock offset: -0.513 ms
Remote clock offset: -1.732 ms

# Below is generated by plot.py at 2017-09-21 18:02:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 155.42 Mbit/s
95th percentile per-packet one-way delay: 18.912 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 155.42 Mbit/s
95th percentile per-packet one-way delay: 18.912 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-delay — Data Link

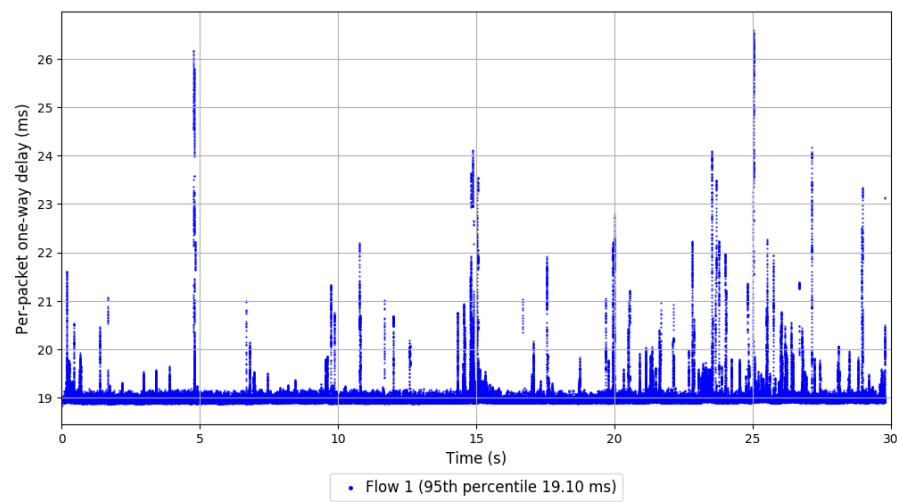
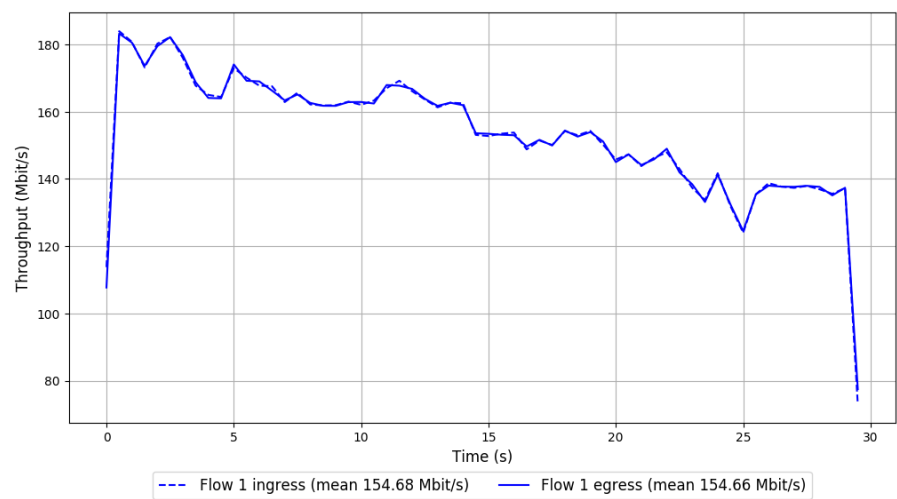


Run 3: Statistics of Indigo-delay

Start at: 2017-09-21 13:21:59
End at: 2017-09-21 13:22:29
Local clock offset: -0.629 ms
Remote clock offset: -2.167 ms

Below is generated by plot.py at 2017-09-21 18:02:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 154.66 Mbit/s
95th percentile per-packet one-way delay: 19.098 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 154.66 Mbit/s
95th percentile per-packet one-way delay: 19.098 ms
Loss rate: 0.00%

Run 3: Report of Indigo-delay — Data Link

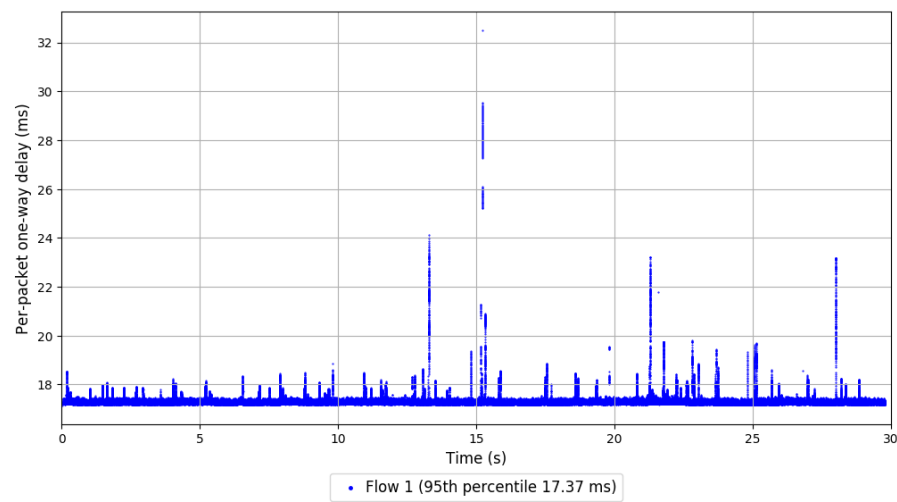
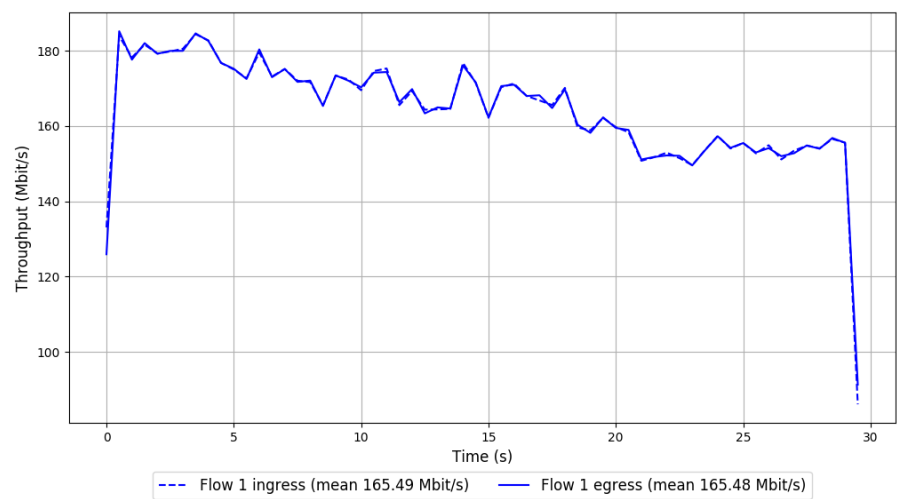


Run 4: Statistics of Indigo-delay

Start at: 2017-09-21 13:40:34
End at: 2017-09-21 13:41:04
Local clock offset: -0.547 ms
Remote clock offset: -2.317 ms

Below is generated by plot.py at 2017-09-21 18:03:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 165.48 Mbit/s
95th percentile per-packet one-way delay: 17.366 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 165.48 Mbit/s
95th percentile per-packet one-way delay: 17.366 ms
Loss rate: 0.00%

Run 4: Report of Indigo-delay — Data Link

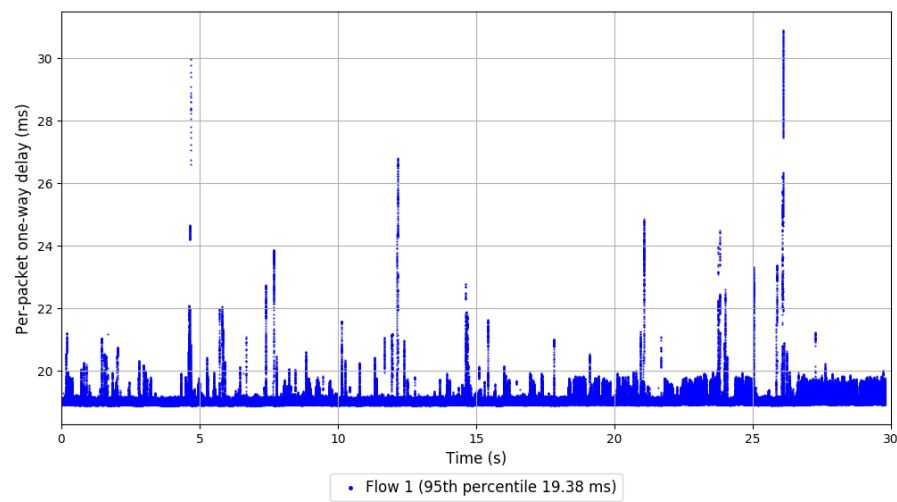
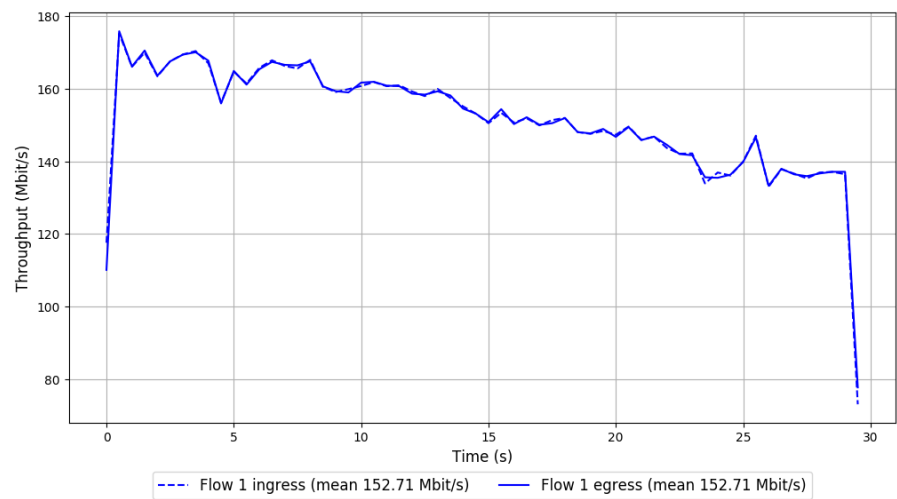


Run 5: Statistics of Indigo-delay

Start at: 2017-09-21 13:59:17
End at: 2017-09-21 13:59:47
Local clock offset: -0.59 ms
Remote clock offset: -2.436 ms

Below is generated by plot.py at 2017-09-21 18:03:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 152.71 Mbit/s
95th percentile per-packet one-way delay: 19.379 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 152.71 Mbit/s
95th percentile per-packet one-way delay: 19.379 ms
Loss rate: 0.00%

Run 5: Report of Indigo-delay — Data Link

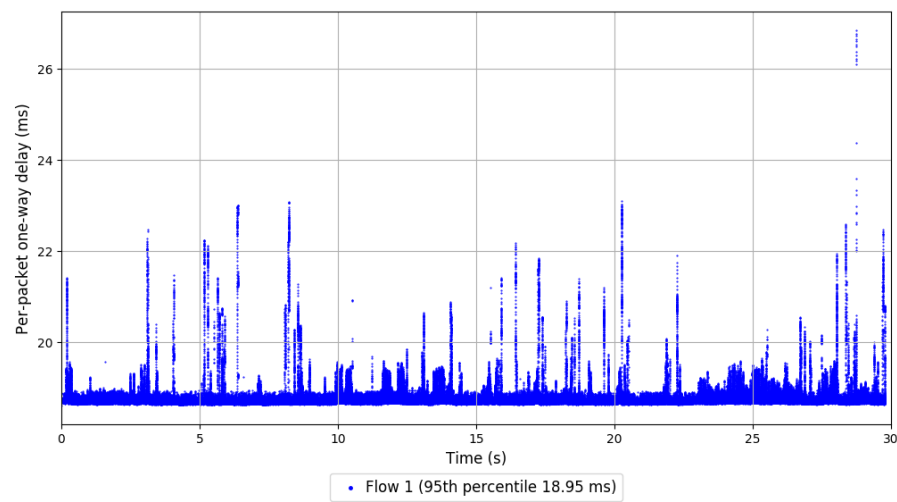
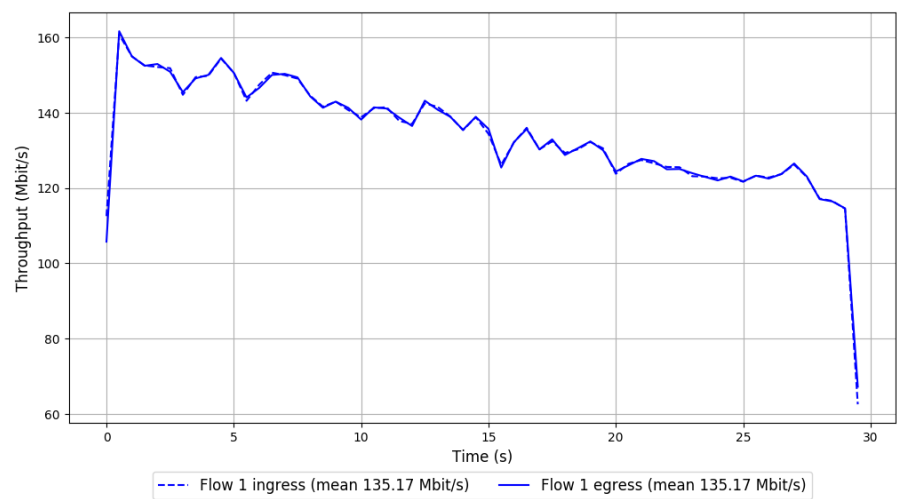


Run 6: Statistics of Indigo-delay

Start at: 2017-09-21 14:18:08
End at: 2017-09-21 14:18:38
Local clock offset: -0.617 ms
Remote clock offset: -2.604 ms

Below is generated by plot.py at 2017-09-21 18:03:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 135.17 Mbit/s
95th percentile per-packet one-way delay: 18.946 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 135.17 Mbit/s
95th percentile per-packet one-way delay: 18.946 ms
Loss rate: 0.00%

Run 6: Report of Indigo-delay — Data Link

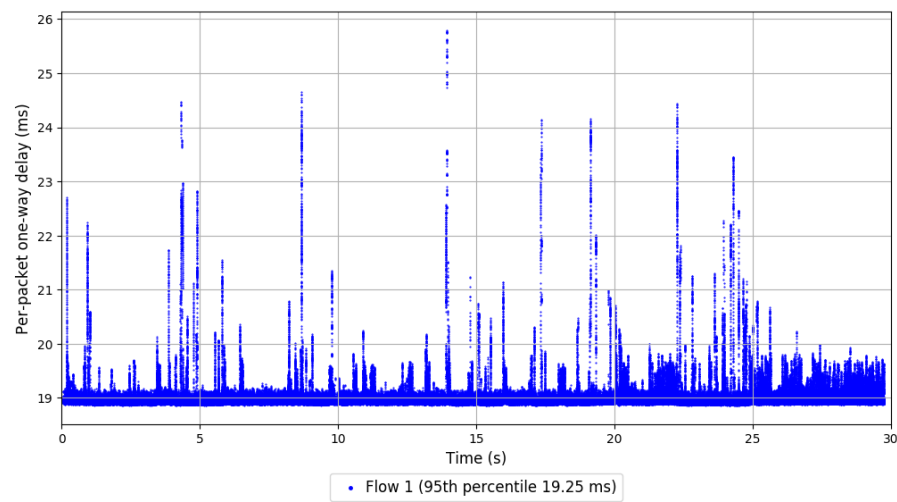
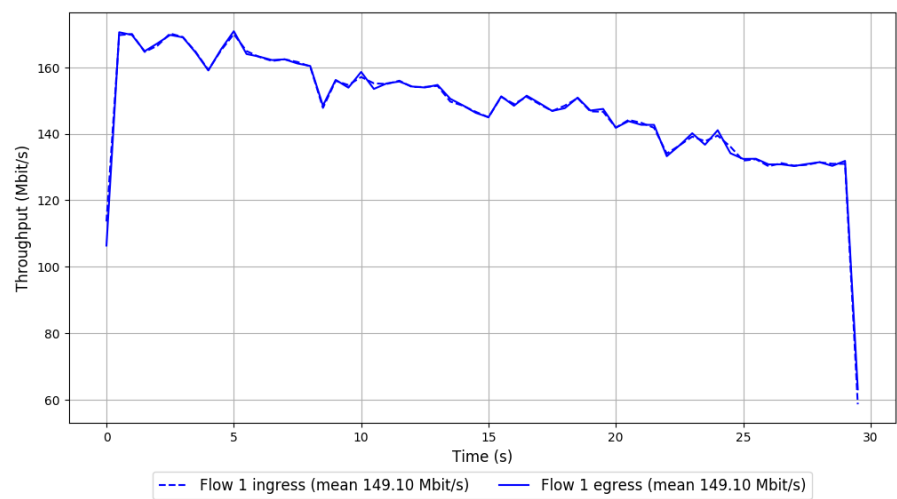


Run 7: Statistics of Indigo-delay

Start at: 2017-09-21 14:36:33
End at: 2017-09-21 14:37:03
Local clock offset: -0.714 ms
Remote clock offset: -2.403 ms

Below is generated by plot.py at 2017-09-21 18:03:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 149.10 Mbit/s
95th percentile per-packet one-way delay: 19.255 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 149.10 Mbit/s
95th percentile per-packet one-way delay: 19.255 ms
Loss rate: 0.00%

Run 7: Report of Indigo-delay — Data Link

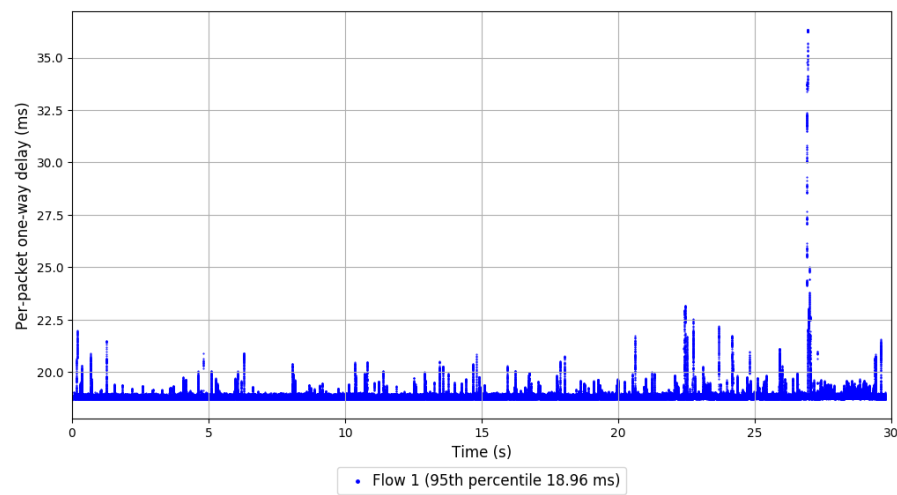
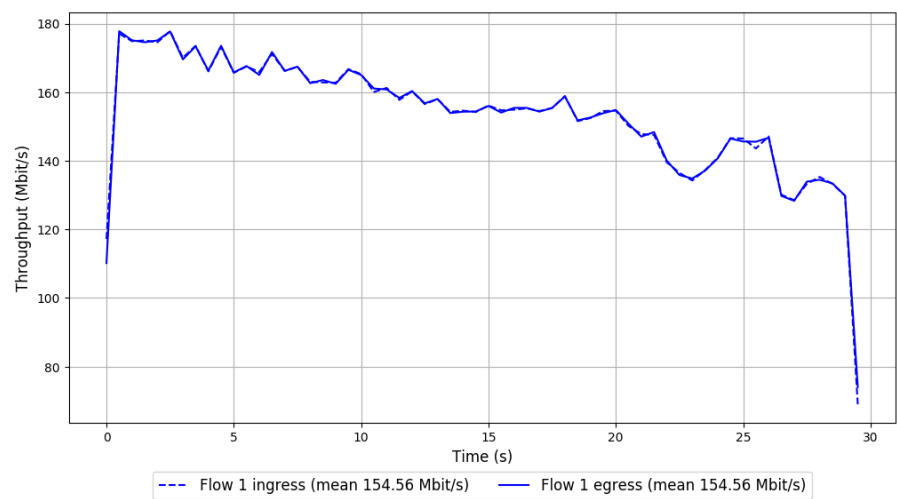


Run 8: Statistics of Indigo-delay

Start at: 2017-09-21 14:55:00
End at: 2017-09-21 14:55:30
Local clock offset: -0.723 ms
Remote clock offset: -2.481 ms

Below is generated by plot.py at 2017-09-21 18:03:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 154.56 Mbit/s
95th percentile per-packet one-way delay: 18.964 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 154.56 Mbit/s
95th percentile per-packet one-way delay: 18.964 ms
Loss rate: 0.00%

Run 8: Report of Indigo-delay — Data Link

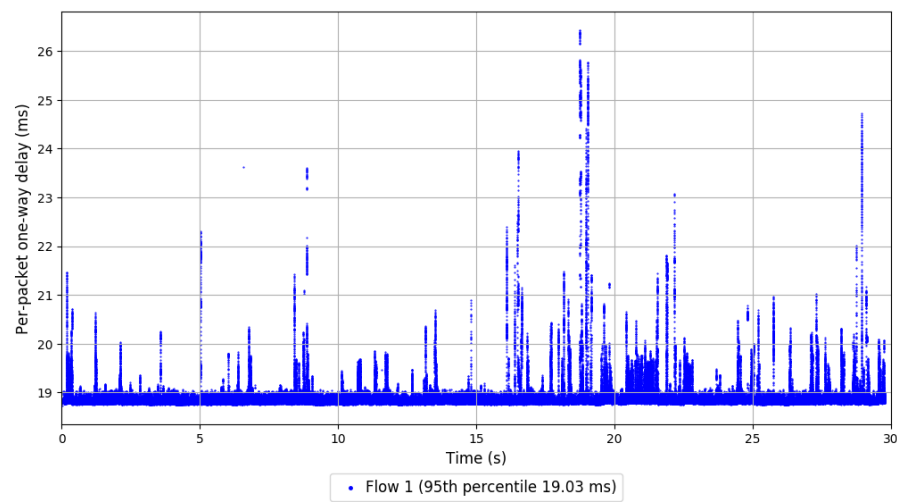
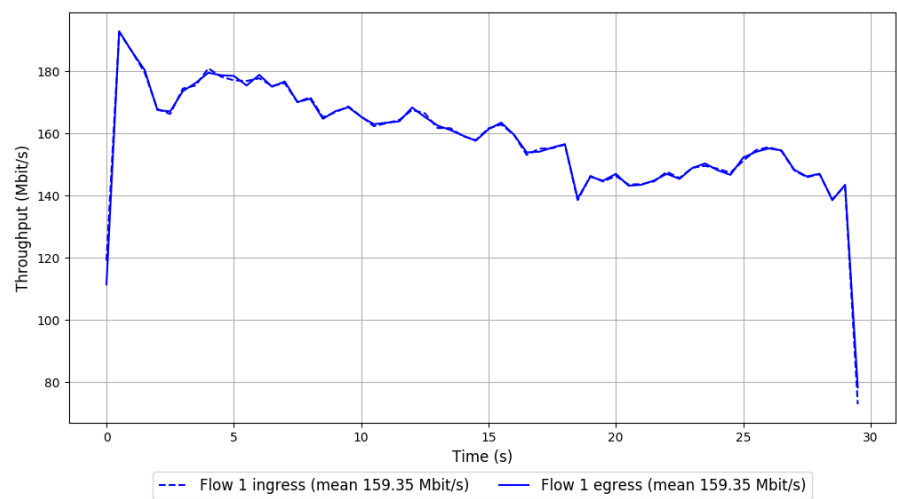


Run 9: Statistics of Indigo-delay

Start at: 2017-09-21 15:13:33
End at: 2017-09-21 15:14:03
Local clock offset: -0.606 ms
Remote clock offset: -2.674 ms

Below is generated by plot.py at 2017-09-21 18:03:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 159.35 Mbit/s
95th percentile per-packet one-way delay: 19.032 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 159.35 Mbit/s
95th percentile per-packet one-way delay: 19.032 ms
Loss rate: 0.00%

Run 9: Report of Indigo-delay — Data Link



Run 10: Statistics of Indigo-delay

Start at: 2017-09-21 15:32:13

End at: 2017-09-21 15:32:43

Local clock offset: -0.305 ms

Remote clock offset: -2.672 ms

Below is generated by plot.py at 2017-09-21 18:03:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 152.25 Mbit/s

95th percentile per-packet one-way delay: 19.123 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 152.25 Mbit/s

95th percentile per-packet one-way delay: 19.123 ms

Loss rate: 0.02%

Run 10: Report of Indigo-delay — Data Link

