

## Pantheon Report

Generated at 2017-09-17 16:42:33 (UTC).

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

Repeated the test of 15 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

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

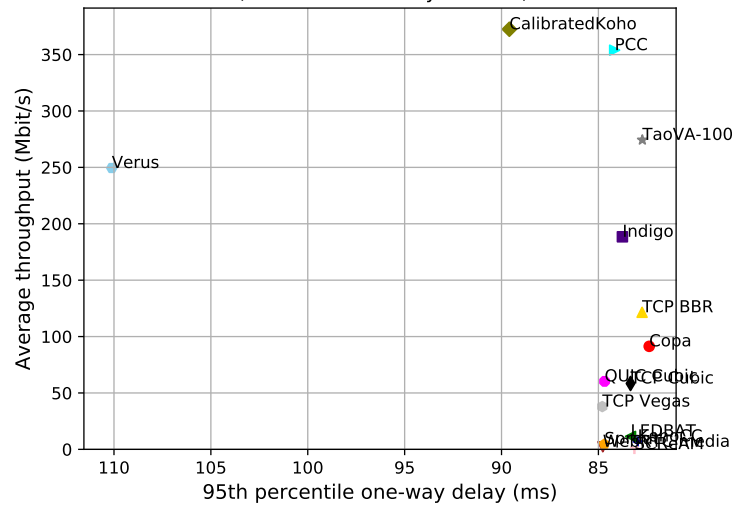
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

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

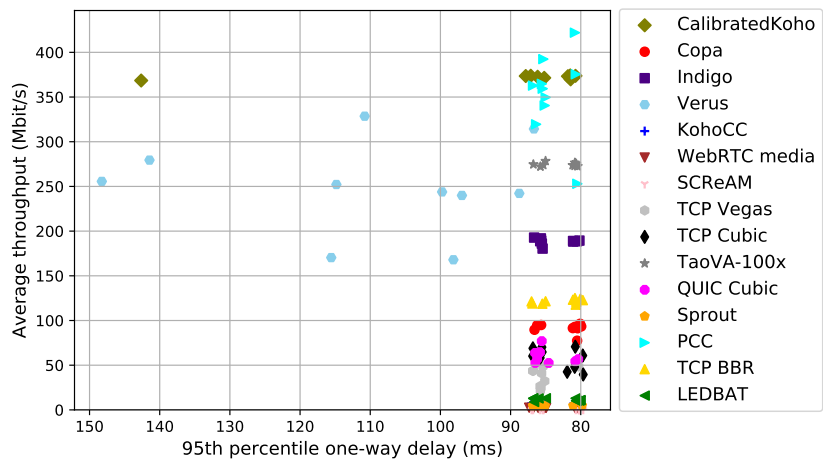
Git summary:

```
branch: master @ 57453dc11f8da93a2e03eea75289fea01b816298
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
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-quick @ 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 Colombia Ethernet to AWS Brazil 2 Ethernet, 10 runs of 30s each per scheme  
(mean of all runs by scheme)



test from Colombia Ethernet to AWS Brazil 2 Ethernet, 10 runs of 30s each per scheme



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	121.53	82.75	0.59
CalibratedKoho	10	372.46	89.60	28.89
Copa	9	91.34	82.38	0.65
TCP Cubic	10	58.41	83.34	0.54
Indigo	10	188.45	83.76	0.55
KohoCC	10	7.01	82.97	0.57
LEDBAT	10	11.51	83.34	0.96
PCC	10	353.93	84.16	5.93
QUIC Cubic	9	60.28	84.68	0.70
SCReAM	10	0.22	83.14	0.52
Sprout	9	4.67	84.69	0.66
TaoVA-100x	10	274.34	82.73	0.54
TCP Vegas	10	37.92	84.80	0.34
Verus	10	249.44	110.12	1.10
WebRTC media	9	2.27	84.77	0.64

Run 1: Statistics of TCP BBR

Start at: 2017-09-17 09:22:01

End at: 2017-09-17 09:22:31

Local clock offset: -9.929 ms

Remote clock offset: -8.3 ms

# Below is generated by plot.py at 2017-09-17 16:06:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 118.82 Mbit/s

95th percentile per-packet one-way delay: 85.479 ms

Loss rate: 0.61%

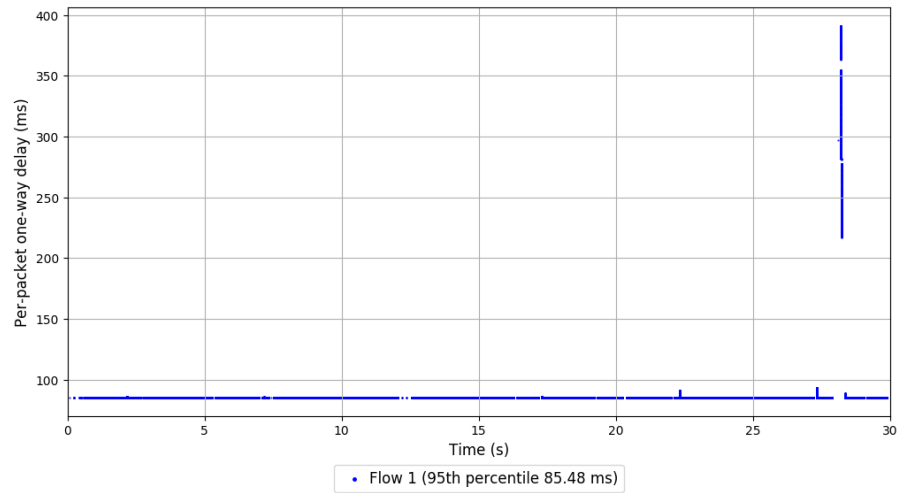
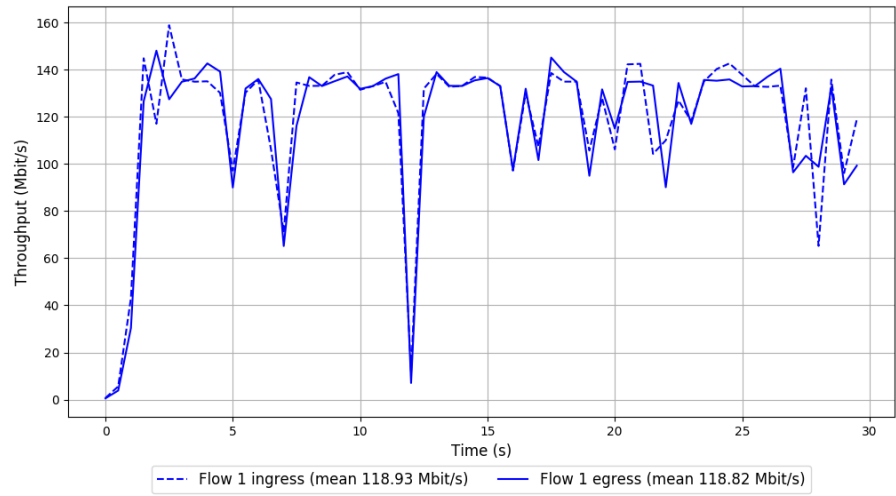
-- Flow 1:

Average throughput: 118.82 Mbit/s

95th percentile per-packet one-way delay: 85.479 ms

Loss rate: 0.61%

### Run 1: Report of TCP BBR — Data Link

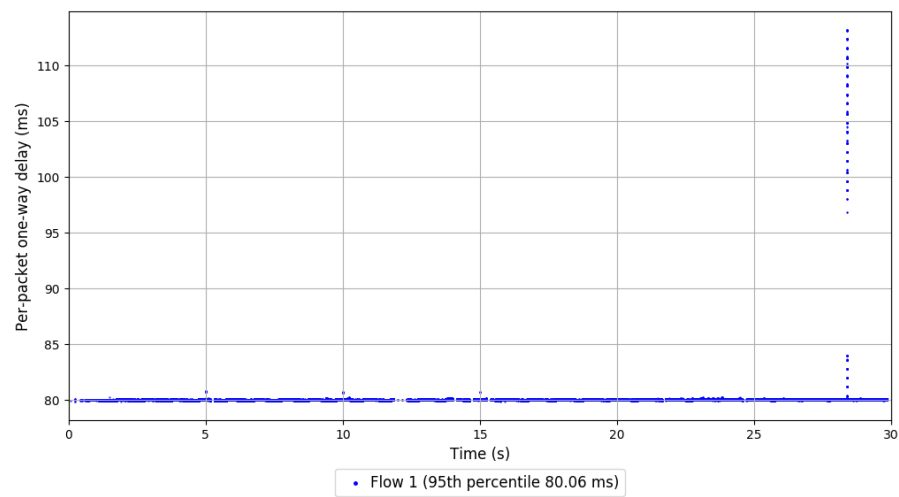
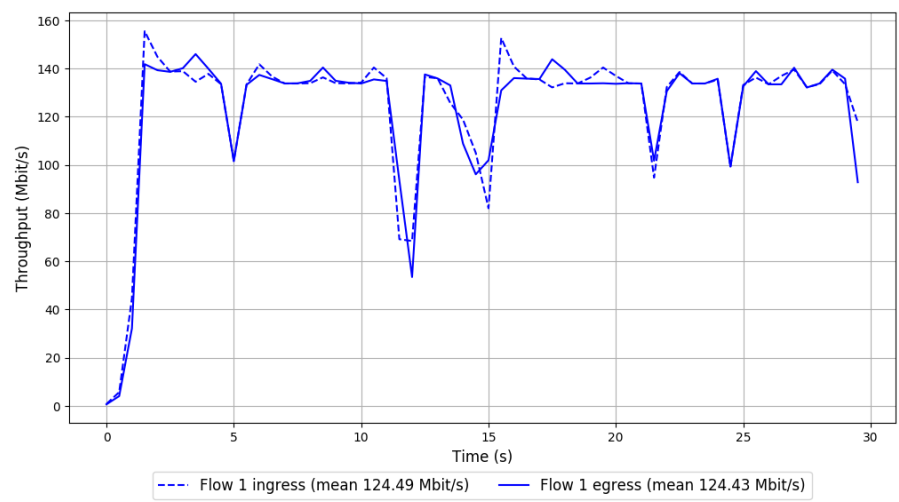


Run 2: Statistics of TCP BBR

Start at: 2017-09-17 09:41:20  
End at: 2017-09-17 09:41:50  
Local clock offset: -10.485 ms  
Remote clock offset: -3.641 ms

# Below is generated by plot.py at 2017-09-17 16:06:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 124.43 Mbit/s  
95th percentile per-packet one-way delay: 80.055 ms  
Loss rate: 0.60%  
-- Flow 1:  
Average throughput: 124.43 Mbit/s  
95th percentile per-packet one-way delay: 80.055 ms  
Loss rate: 0.60%

Run 2: Report of TCP BBR — Data Link

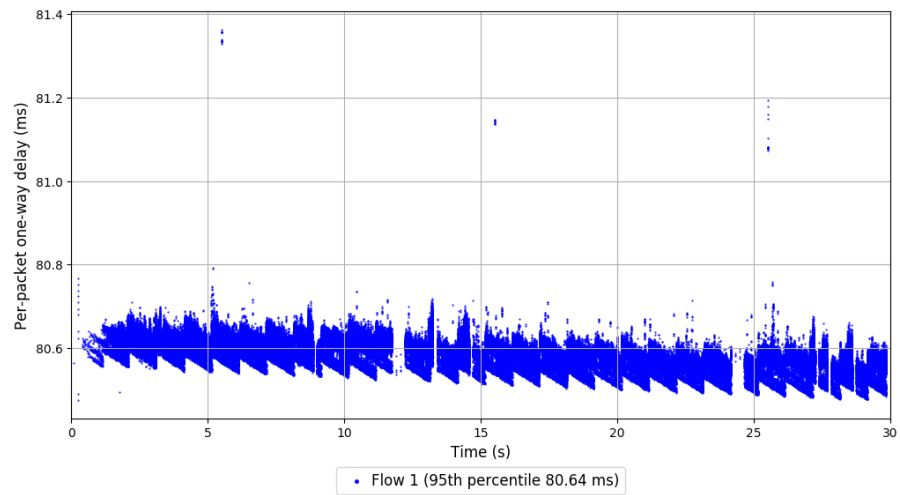
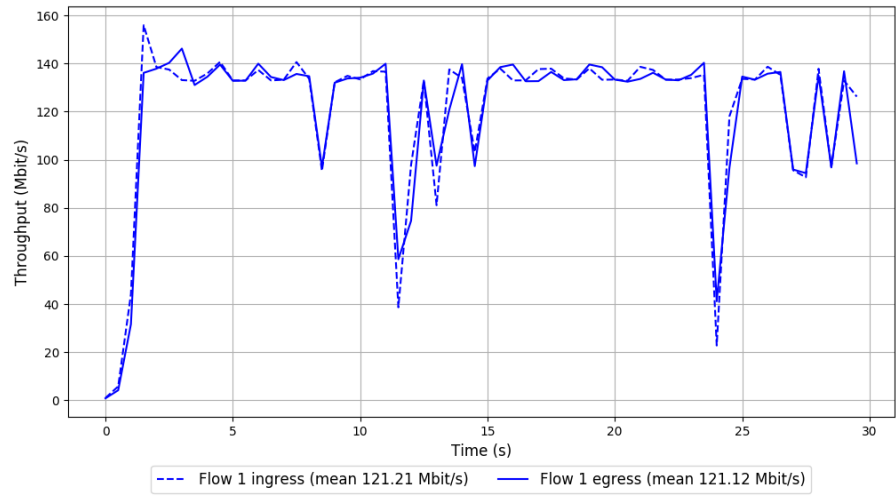


Run 3: Statistics of TCP BBR

Start at: 2017-09-17 10:00:48  
End at: 2017-09-17 10:01:18  
Local clock offset: -9.781 ms  
Remote clock offset: -3.923 ms

# Below is generated by plot.py at 2017-09-17 16:06:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 121.12 Mbit/s  
95th percentile per-packet one-way delay: 80.639 ms  
Loss rate: 0.65%  
-- Flow 1:  
Average throughput: 121.12 Mbit/s  
95th percentile per-packet one-way delay: 80.639 ms  
Loss rate: 0.65%

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

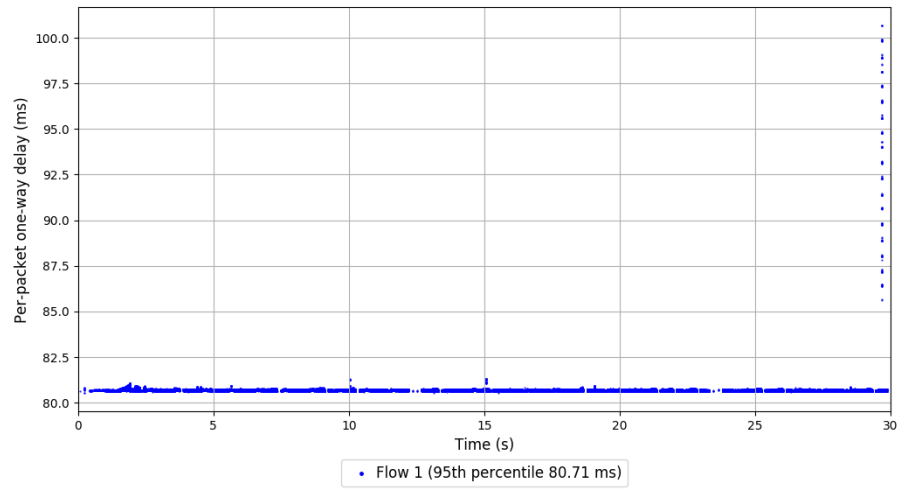
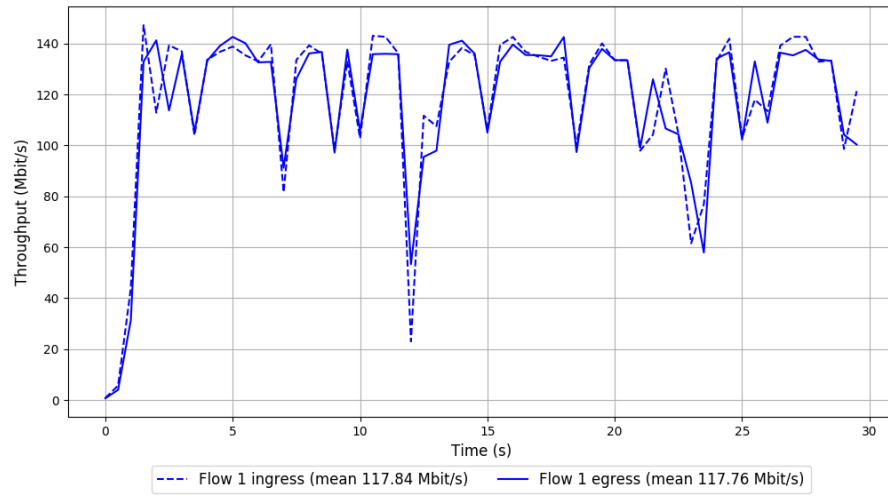


Run 4: Statistics of TCP BBR

Start at: 2017-09-17 10:20:15  
End at: 2017-09-17 10:20:45  
Local clock offset: -8.752 ms  
Remote clock offset: -4.506 ms

# Below is generated by plot.py at 2017-09-17 16:06:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 117.76 Mbit/s  
95th percentile per-packet one-way delay: 80.711 ms  
Loss rate: 0.62%  
-- Flow 1:  
Average throughput: 117.76 Mbit/s  
95th percentile per-packet one-way delay: 80.711 ms  
Loss rate: 0.62%

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

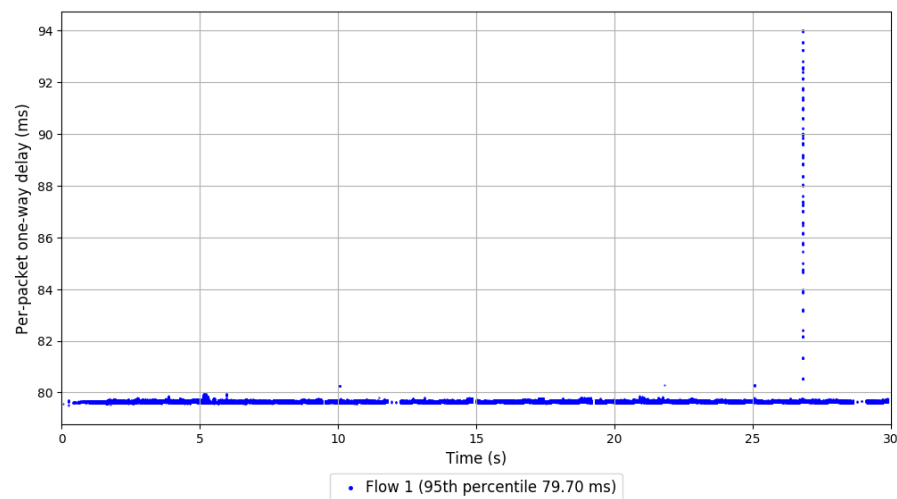
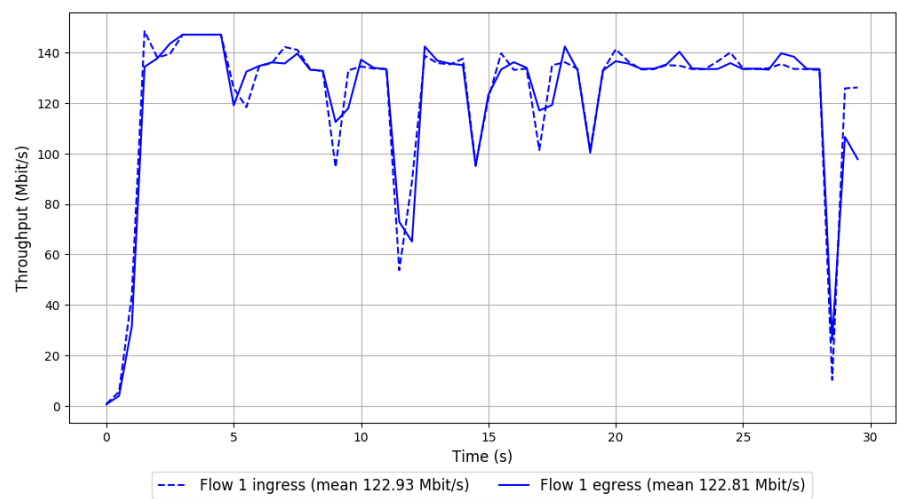


Run 5: Statistics of TCP BBR

Start at: 2017-09-17 10:39:34  
End at: 2017-09-17 10:40:04  
Local clock offset: -9.326 ms  
Remote clock offset: -3.861 ms

# Below is generated by plot.py at 2017-09-17 16:06:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 122.81 Mbit/s  
95th percentile per-packet one-way delay: 79.701 ms  
Loss rate: 0.65%  
-- Flow 1:  
Average throughput: 122.81 Mbit/s  
95th percentile per-packet one-way delay: 79.701 ms  
Loss rate: 0.65%

Run 5: Report of TCP BBR — Data Link

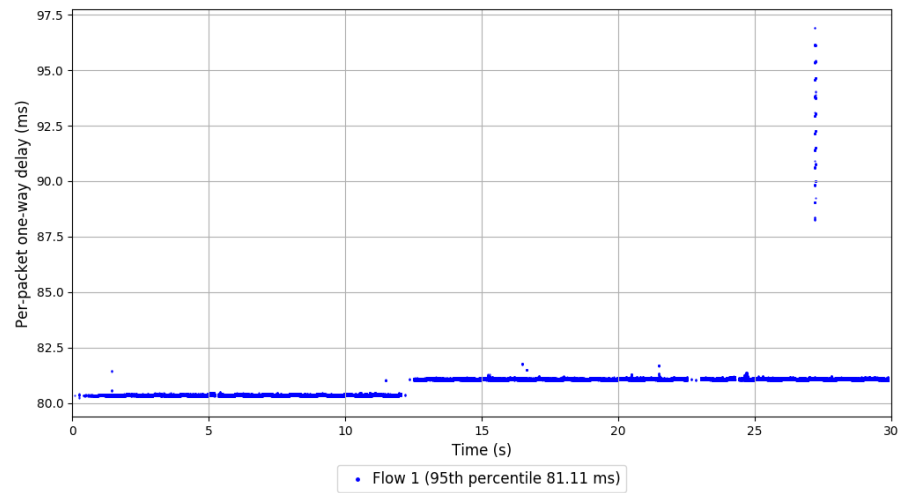
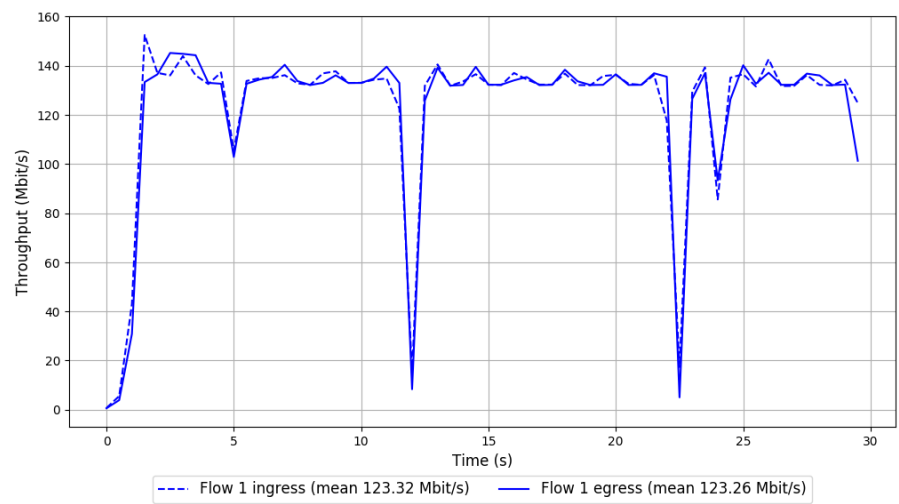


Run 6: Statistics of TCP BBR

Start at: 2017-09-17 10:58:56  
End at: 2017-09-17 10:59:26  
Local clock offset: -10.123 ms  
Remote clock offset: -4.252 ms

# Below is generated by plot.py at 2017-09-17 16:06:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 123.26 Mbit/s  
95th percentile per-packet one-way delay: 81.113 ms  
Loss rate: 0.60%  
-- Flow 1:  
Average throughput: 123.26 Mbit/s  
95th percentile per-packet one-way delay: 81.113 ms  
Loss rate: 0.60%

Run 6: Report of TCP BBR — Data Link

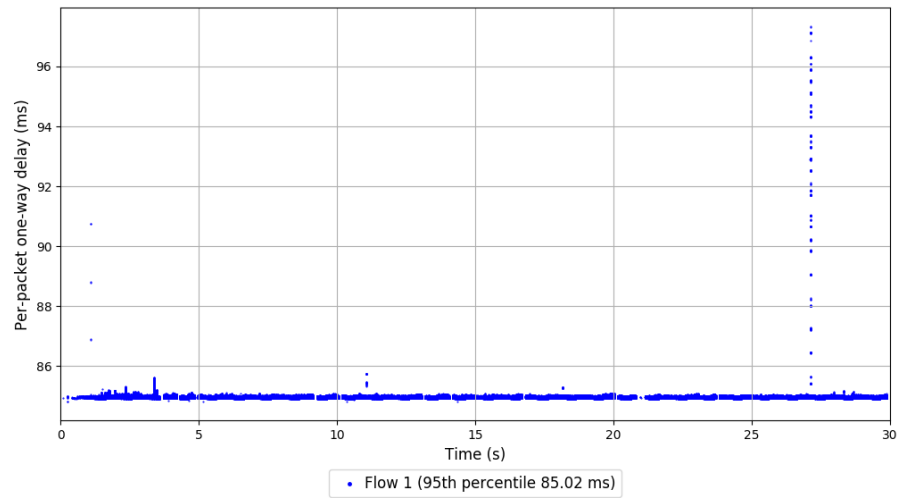
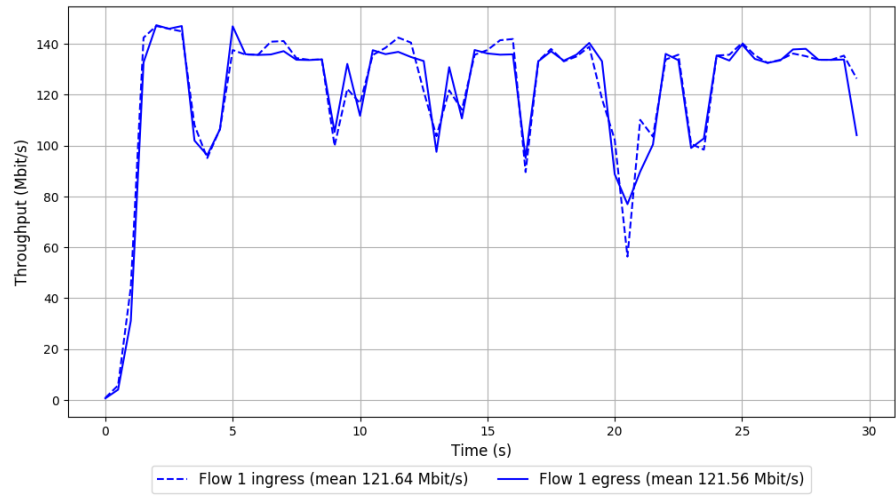


Run 7: Statistics of TCP BBR

Start at: 2017-09-17 11:18:56  
End at: 2017-09-17 11:19:26  
Local clock offset: -10.437 ms  
Remote clock offset: -9.135 ms

# Below is generated by plot.py at 2017-09-17 16:06:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 121.56 Mbit/s  
95th percentile per-packet one-way delay: 85.017 ms  
Loss rate: 0.61%  
-- Flow 1:  
Average throughput: 121.56 Mbit/s  
95th percentile per-packet one-way delay: 85.017 ms  
Loss rate: 0.61%

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



Run 8: Statistics of TCP BBR

Start at: 2017-09-17 11:36:26

End at: 2017-09-17 11:36:56

Local clock offset: -10.329 ms

# Below is generated by plot.py at 2017-09-17 16:06:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 121.37 Mbit/s

95th percentile per-packet one-way delay: 87.013 ms

Loss rate: 0.64%

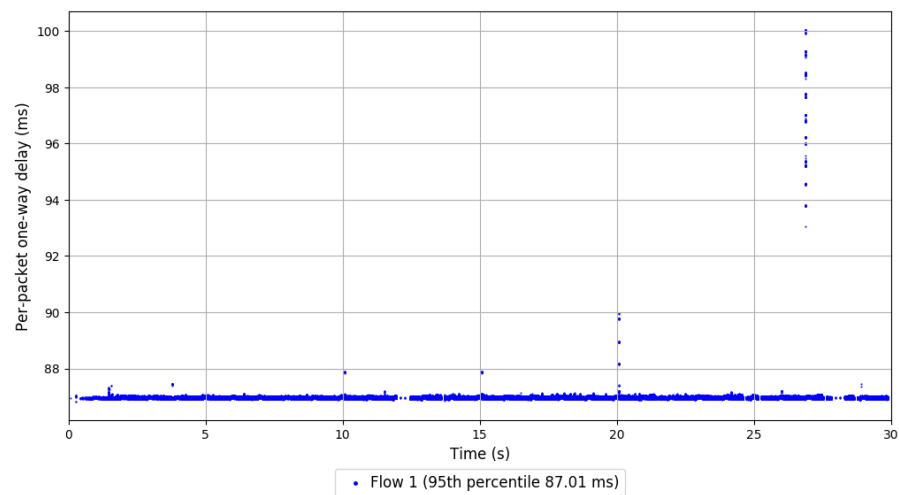
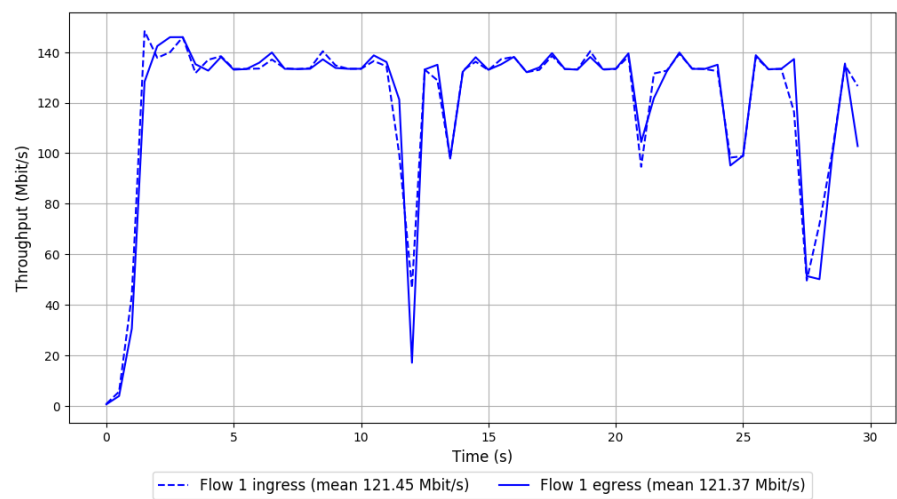
-- Flow 1:

Average throughput: 121.37 Mbit/s

95th percentile per-packet one-way delay: 87.013 ms

Loss rate: 0.64%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2017-09-17 11:53:55

End at: 2017-09-17 11:54:25

Local clock offset: -10.092 ms

# Below is generated by plot.py at 2017-09-17 16:07:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 119.06 Mbit/s

95th percentile per-packet one-way delay: 86.899 ms

Loss rate: 0.61%

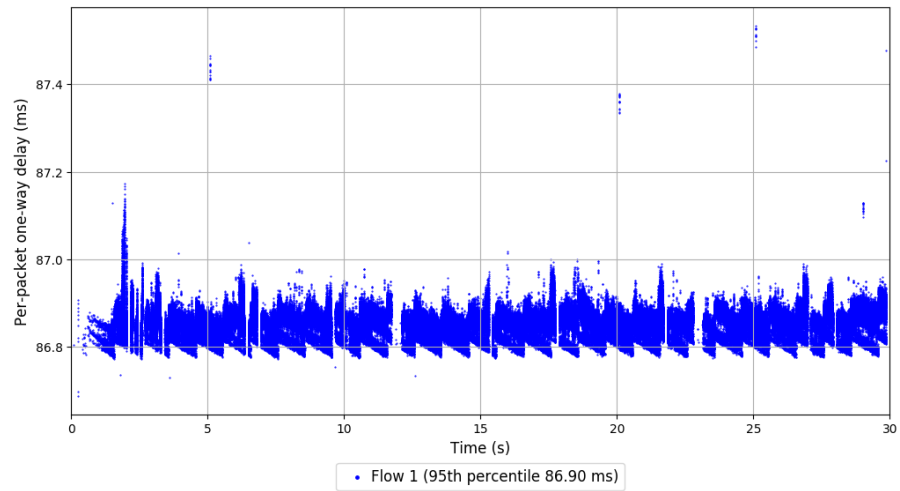
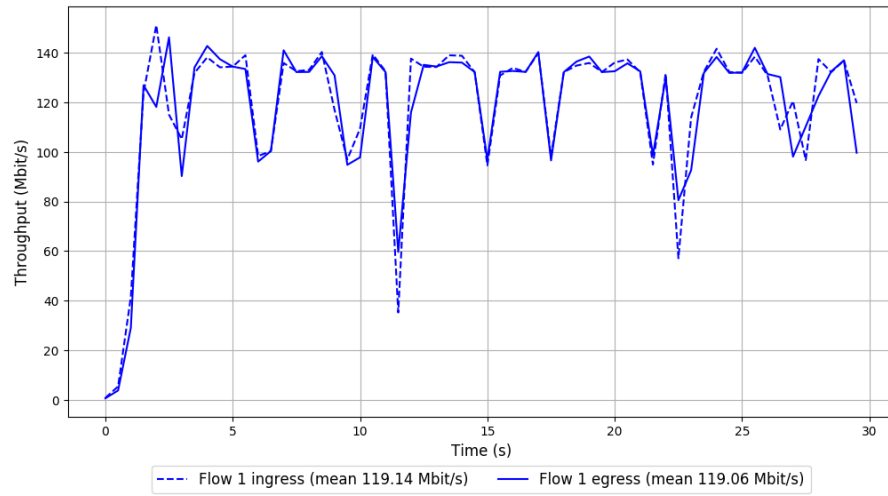
-- Flow 1:

Average throughput: 119.06 Mbit/s

95th percentile per-packet one-way delay: 86.899 ms

Loss rate: 0.61%

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

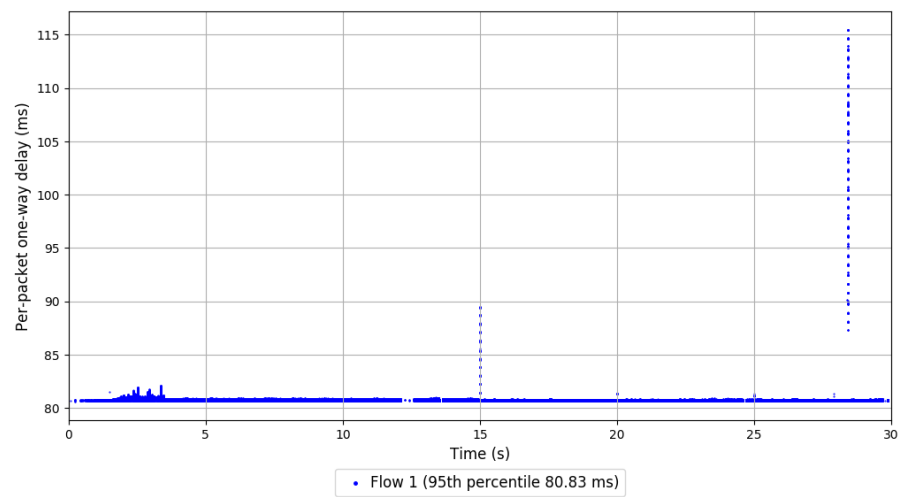
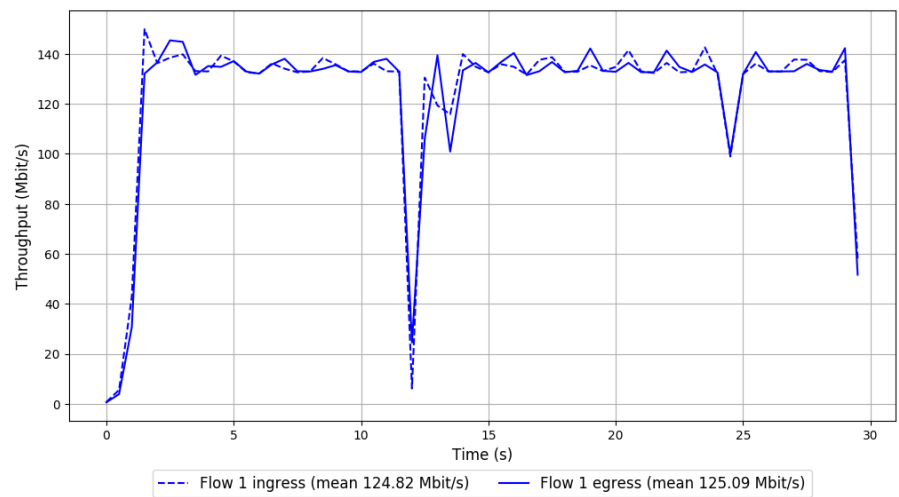


Run 10: Statistics of TCP BBR

Start at: 2017-09-17 12:14:27  
End at: 2017-09-17 12:14:57  
Local clock offset: -9.924 ms  
Remote clock offset: -3.488 ms

# Below is generated by plot.py at 2017-09-17 16:07:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 125.09 Mbit/s  
95th percentile per-packet one-way delay: 80.827 ms  
Loss rate: 0.34%  
-- Flow 1:  
Average throughput: 125.09 Mbit/s  
95th percentile per-packet one-way delay: 80.827 ms  
Loss rate: 0.34%

Run 10: Report of TCP BBR — Data Link

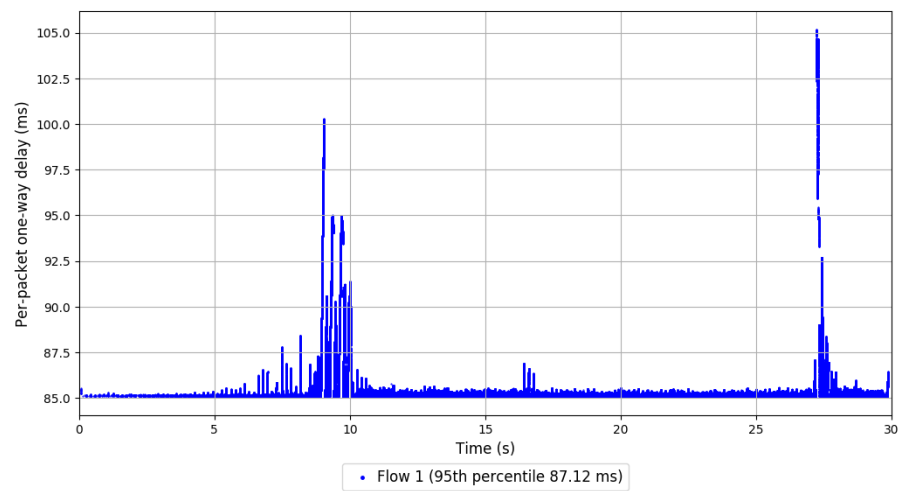
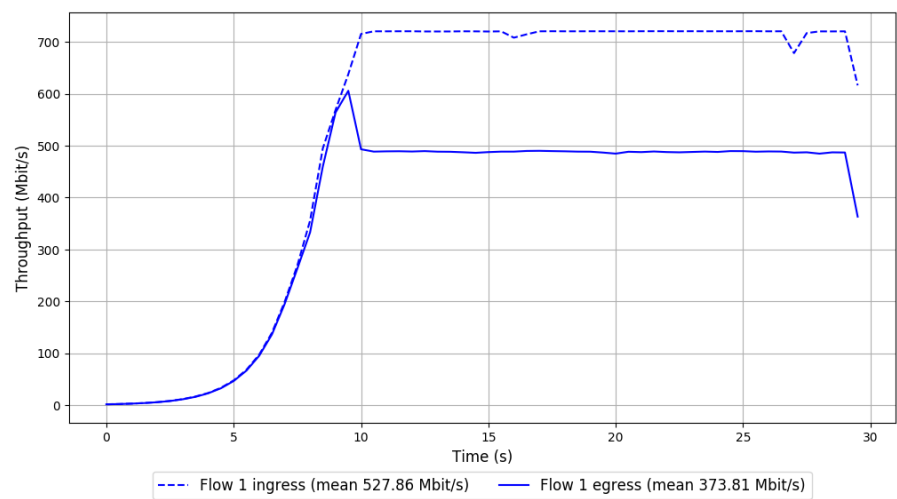


Run 1: Statistics of CalibratedKoho

Start at: 2017-09-17 09:26:10  
End at: 2017-09-17 09:26:40  
Local clock offset: -9.754 ms  
Remote clock offset: -8.446 ms

# Below is generated by plot.py at 2017-09-17 16:11:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 373.81 Mbit/s  
95th percentile per-packet one-way delay: 87.125 ms  
Loss rate: 29.59%  
-- Flow 1:  
Average throughput: 373.81 Mbit/s  
95th percentile per-packet one-way delay: 87.125 ms  
Loss rate: 29.59%

Run 1: Report of CalibratedKoho — Data Link

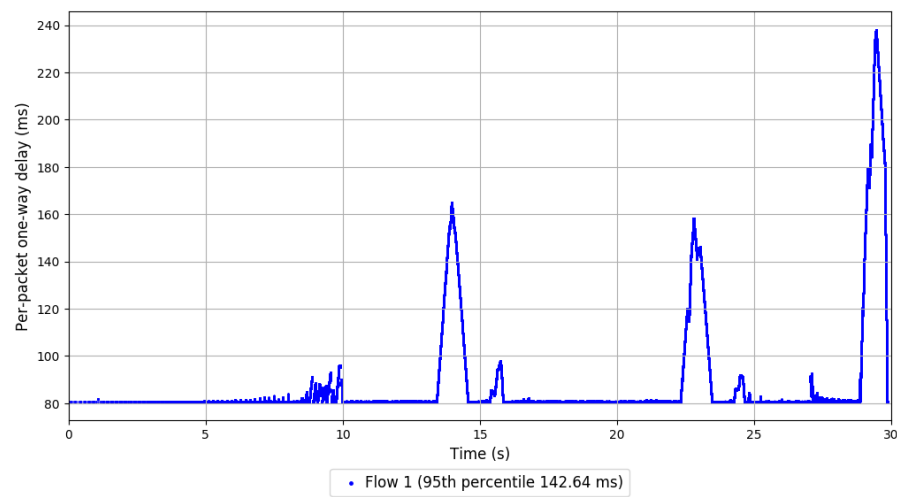
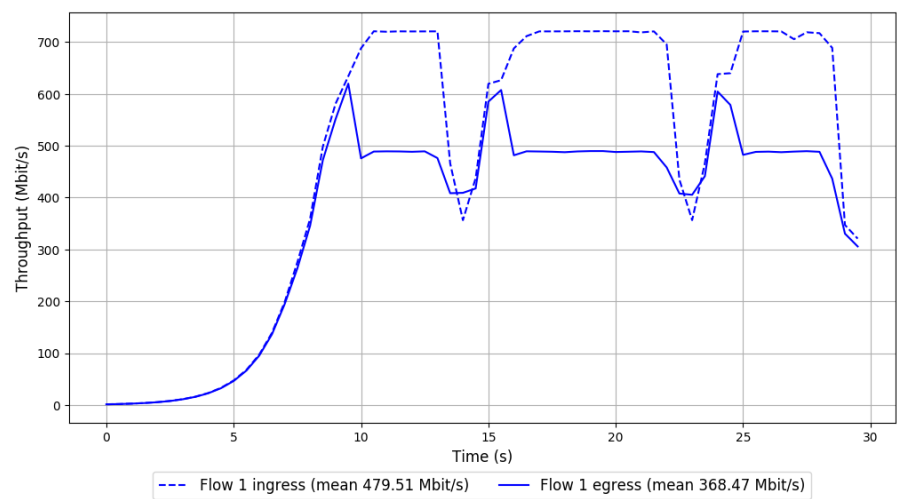


Run 2: Statistics of CalibratedKoho

Start at: 2017-09-17 09:45:39  
End at: 2017-09-17 09:46:09  
Local clock offset: -10.817 ms  
Remote clock offset: -4.172 ms

# Below is generated by plot.py at 2017-09-17 16:11:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 368.47 Mbit/s  
95th percentile per-packet one-way delay: 142.640 ms  
Loss rate: 23.58%  
-- Flow 1:  
Average throughput: 368.47 Mbit/s  
95th percentile per-packet one-way delay: 142.640 ms  
Loss rate: 23.58%

Run 2: Report of CalibratedKoho — Data Link

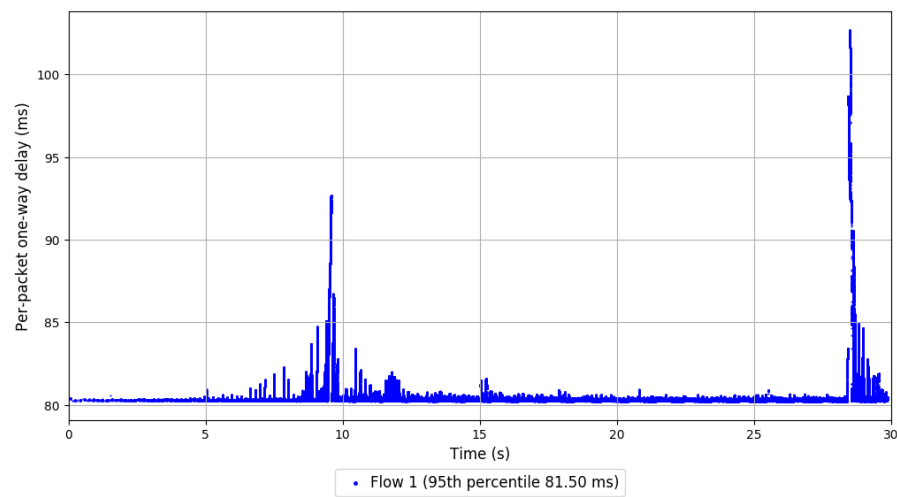
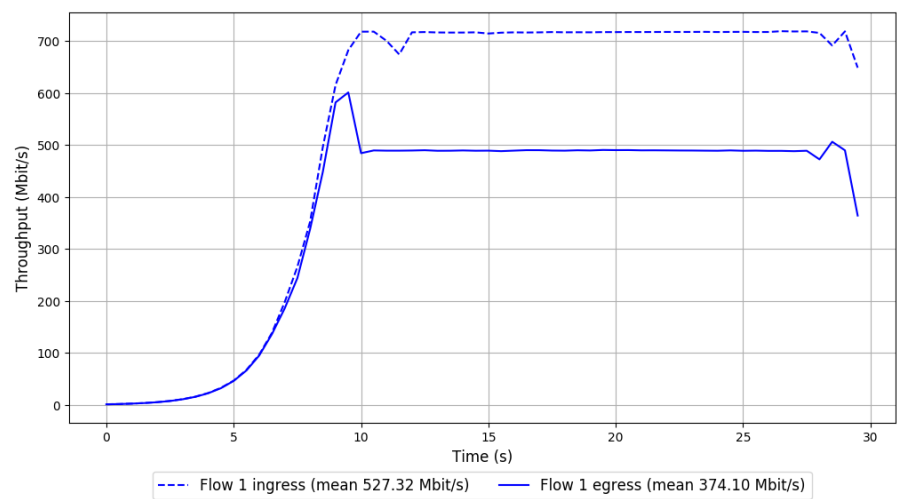


Run 3: Statistics of CalibratedKoho

Start at: 2017-09-17 10:04:58  
End at: 2017-09-17 10:05:28  
Local clock offset: -9.32 ms  
Remote clock offset: -4.094 ms

# Below is generated by plot.py at 2017-09-17 16:11:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 374.10 Mbit/s  
95th percentile per-packet one-way delay: 81.501 ms  
Loss rate: 29.45%  
-- Flow 1:  
Average throughput: 374.10 Mbit/s  
95th percentile per-packet one-way delay: 81.501 ms  
Loss rate: 29.45%

Run 3: Report of CalibratedKoho — Data Link

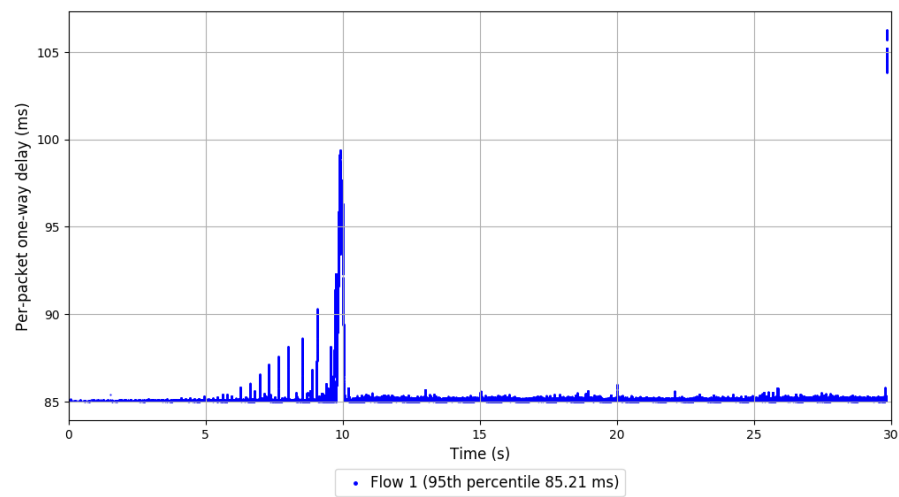
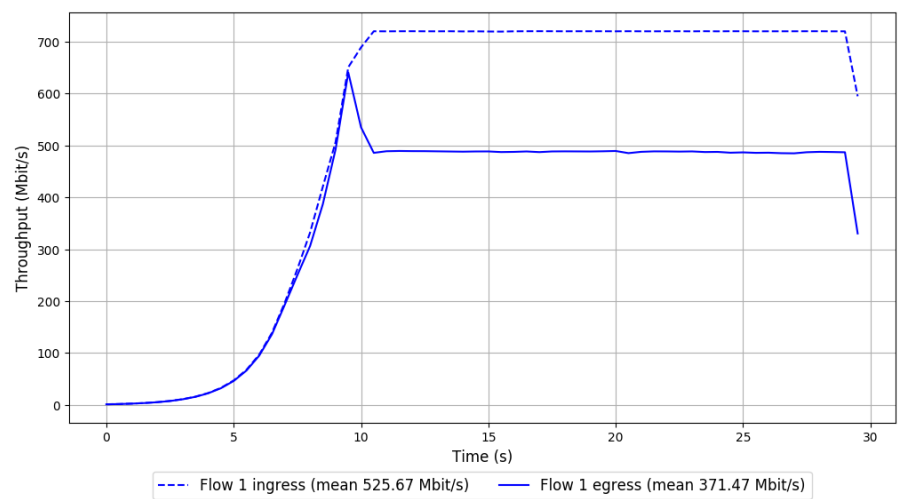


Run 4: Statistics of CalibratedKoho

Start at: 2017-09-17 10:24:27  
End at: 2017-09-17 10:24:57  
Local clock offset: -8.676 ms  
Remote clock offset: -9.001 ms

# Below is generated by plot.py at 2017-09-17 16:11:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 371.47 Mbit/s  
95th percentile per-packet one-way delay: 85.208 ms  
Loss rate: 29.72%  
-- Flow 1:  
Average throughput: 371.47 Mbit/s  
95th percentile per-packet one-way delay: 85.208 ms  
Loss rate: 29.72%

Run 4: Report of CalibratedKoho — Data Link

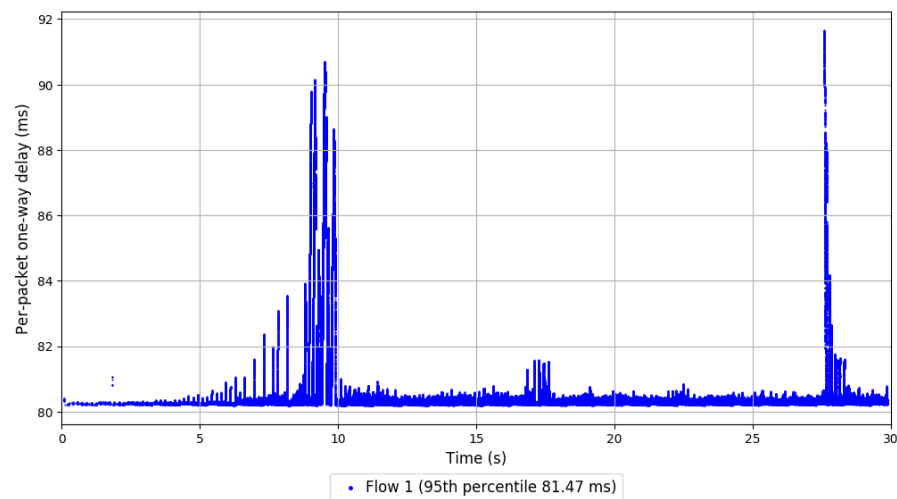
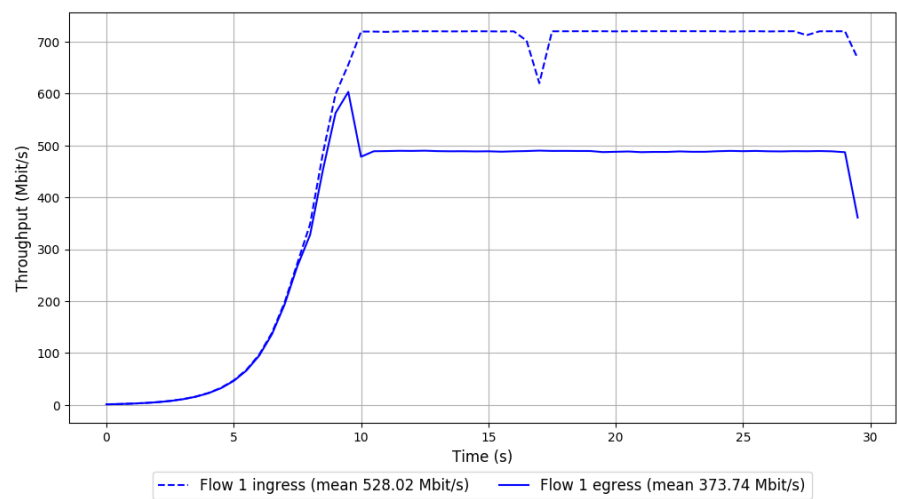


Run 5: Statistics of CalibratedKoho

Start at: 2017-09-17 10:43:45  
End at: 2017-09-17 10:44:15  
Local clock offset: -9.562 ms  
Remote clock offset: -4.305 ms

# Below is generated by plot.py at 2017-09-17 16:11:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 373.74 Mbit/s  
95th percentile per-packet one-way delay: 81.473 ms  
Loss rate: 29.61%  
-- Flow 1:  
Average throughput: 373.74 Mbit/s  
95th percentile per-packet one-way delay: 81.473 ms  
Loss rate: 29.61%

Run 5: Report of CalibratedKoho — Data Link

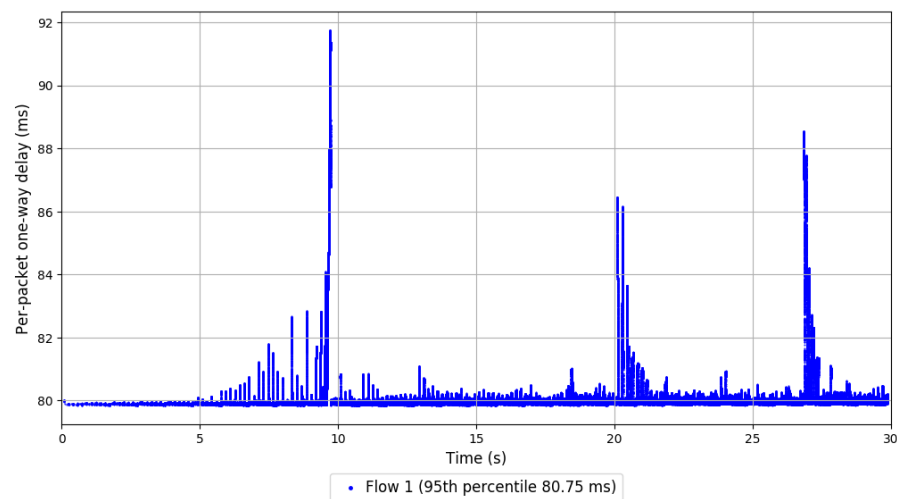
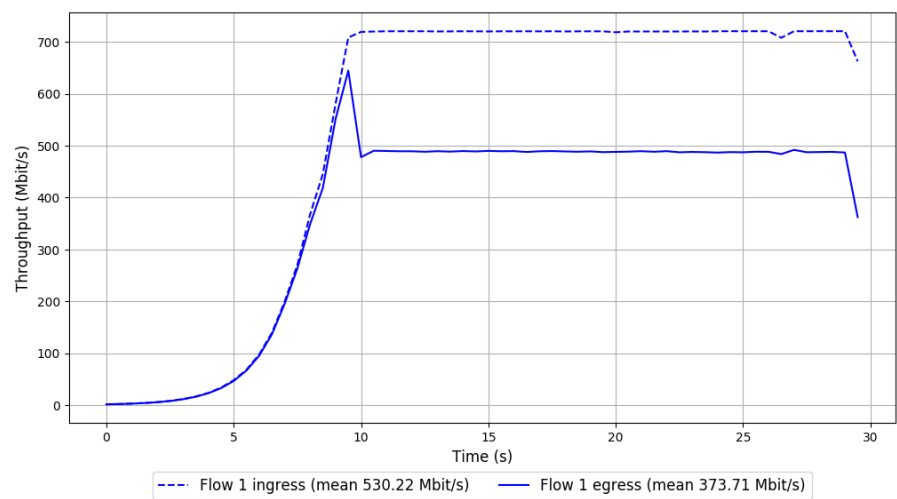


Run 6: Statistics of CalibratedKoho

Start at: 2017-09-17 11:03:15  
End at: 2017-09-17 11:03:45  
Local clock offset: -10.47 ms  
Remote clock offset: -4.018 ms

# Below is generated by plot.py at 2017-09-17 16:12:01  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 373.71 Mbit/s  
95th percentile per-packet one-way delay: 80.753 ms  
Loss rate: 29.91%  
-- Flow 1:  
Average throughput: 373.71 Mbit/s  
95th percentile per-packet one-way delay: 80.753 ms  
Loss rate: 29.91%

Run 6: Report of CalibratedKoho — Data Link

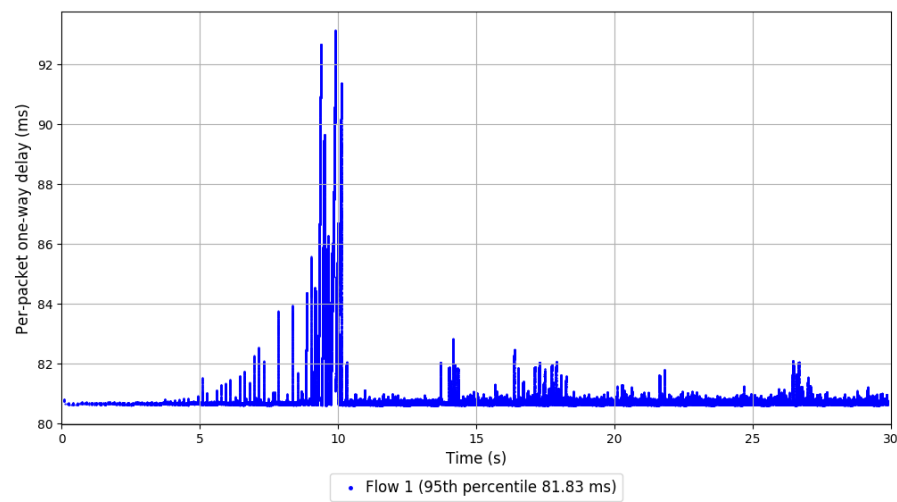
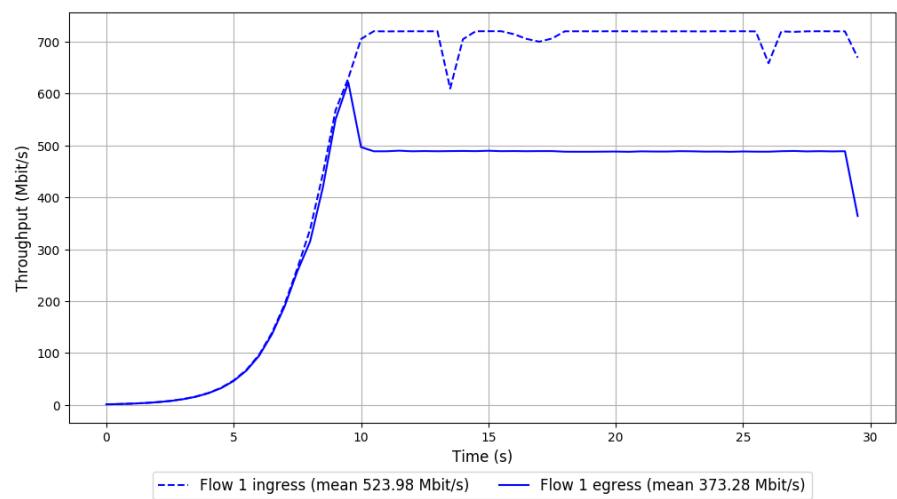


Run 7: Statistics of CalibratedKoho

Start at: 2017-09-17 11:23:40  
End at: 2017-09-17 11:24:10  
Local clock offset: -10.518 ms  
Remote clock offset: -4.342 ms

# Below is generated by plot.py at 2017-09-17 16:13:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 373.28 Mbit/s  
95th percentile per-packet one-way delay: 81.828 ms  
Loss rate: 29.16%  
-- Flow 1:  
Average throughput: 373.28 Mbit/s  
95th percentile per-packet one-way delay: 81.828 ms  
Loss rate: 29.16%

Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: 2017-09-17 11:40:30

End at: 2017-09-17 11:41:00

Local clock offset: -10.302 ms

# Below is generated by plot.py at 2017-09-17 16:13:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 373.50 Mbit/s

95th percentile per-packet one-way delay: 87.841 ms

Loss rate: 29.29%

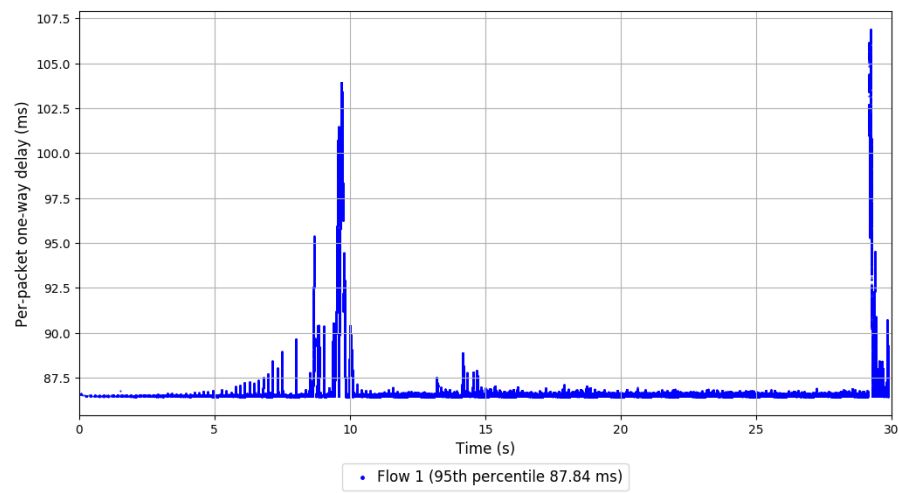
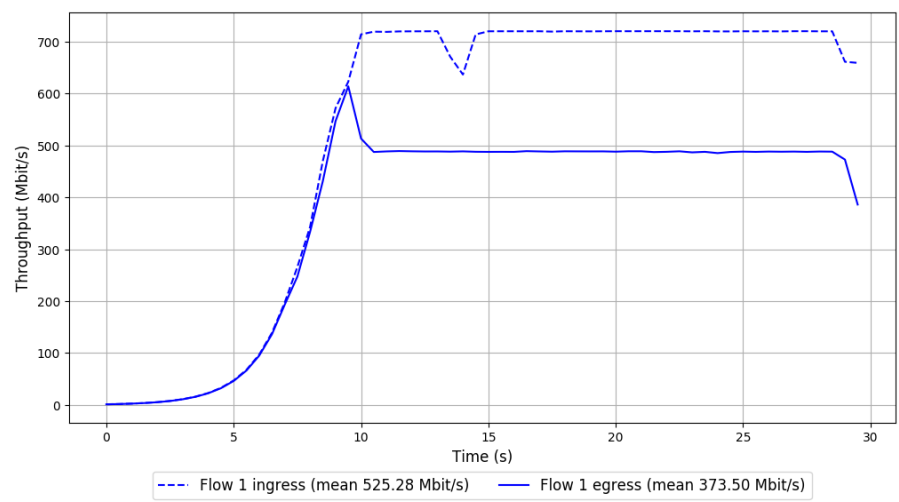
-- Flow 1:

Average throughput: 373.50 Mbit/s

95th percentile per-packet one-way delay: 87.841 ms

Loss rate: 29.29%

Run 8: Report of CalibratedKoho — Data Link

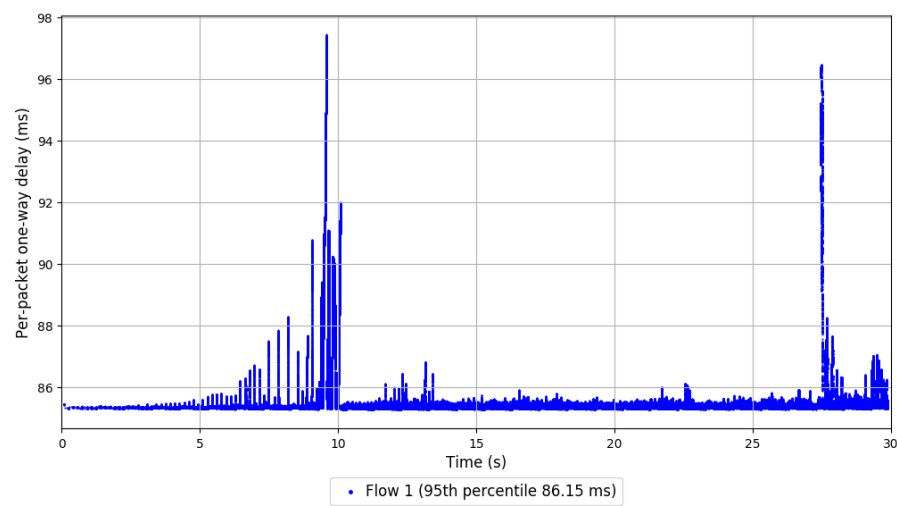
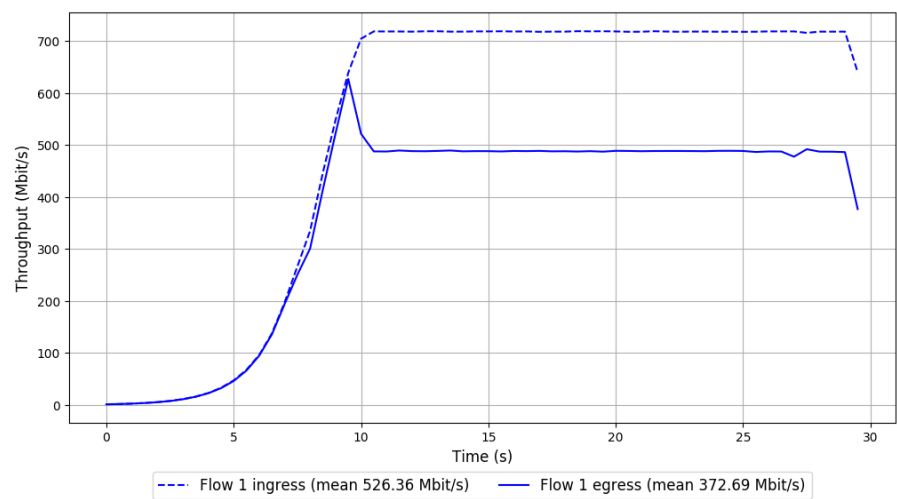


Run 9: Statistics of CalibratedKoho

Start at: 2017-09-17 11:58:27  
End at: 2017-09-17 11:58:57  
Local clock offset: -10.086 ms  
Remote clock offset: -8.526 ms

# Below is generated by plot.py at 2017-09-17 16:17:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 372.69 Mbit/s  
95th percentile per-packet one-way delay: 86.148 ms  
Loss rate: 29.59%  
-- Flow 1:  
Average throughput: 372.69 Mbit/s  
95th percentile per-packet one-way delay: 86.148 ms  
Loss rate: 29.59%

Run 9: Report of CalibratedKoho — Data Link

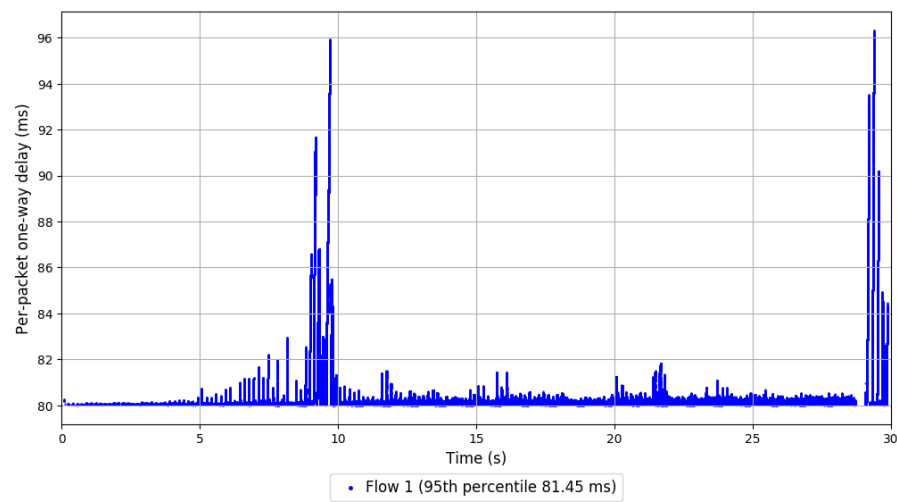
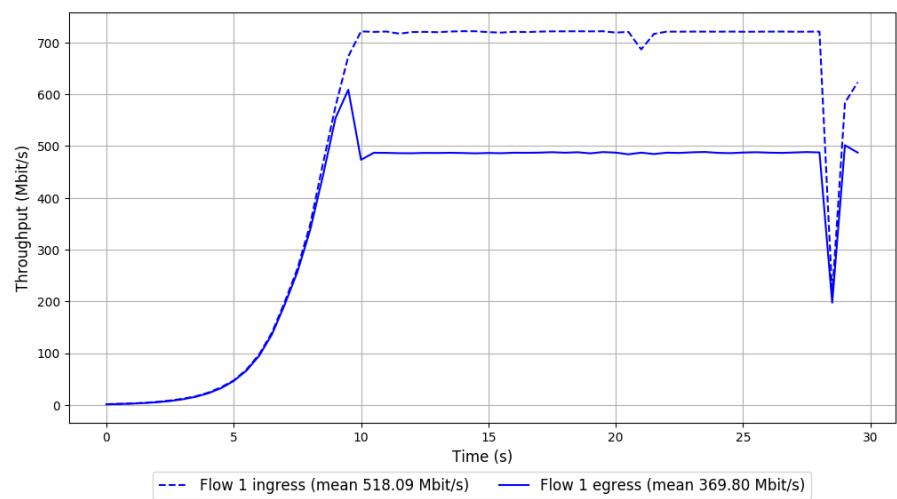


Run 10: Statistics of CalibratedKoho

Start at: 2017-09-17 12:18:47  
End at: 2017-09-17 12:19:17  
Local clock offset: -9.905 ms  
Remote clock offset: -3.316 ms

# Below is generated by plot.py at 2017-09-17 16:18:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 369.80 Mbit/s  
95th percentile per-packet one-way delay: 81.446 ms  
Loss rate: 29.02%  
-- Flow 1:  
Average throughput: 369.80 Mbit/s  
95th percentile per-packet one-way delay: 81.446 ms  
Loss rate: 29.02%

Run 10: Report of CalibratedKoho — Data Link

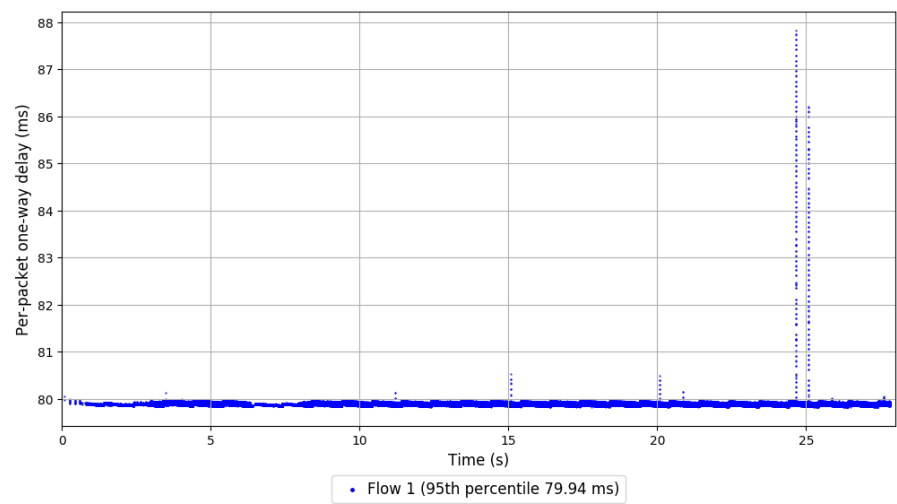
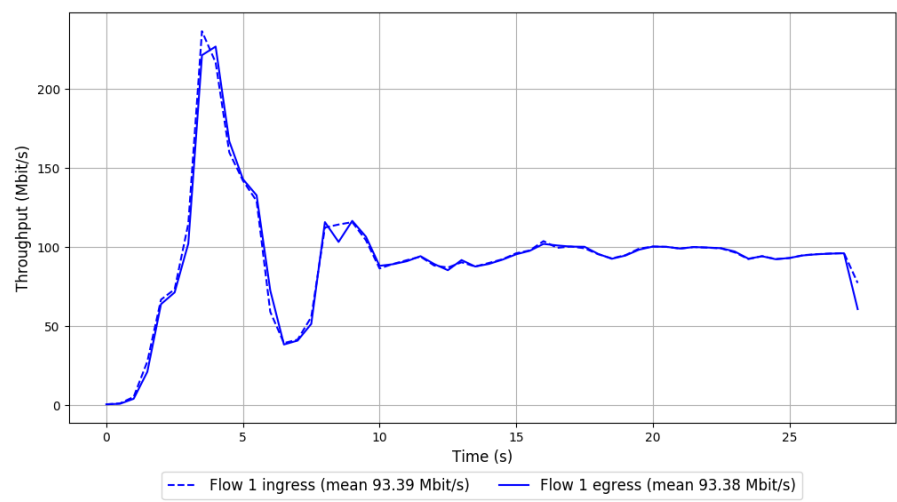


Run 1: Statistics of Copa

Start at: 2017-09-17 09:17:09  
End at: 2017-09-17 09:17:39  
Local clock offset: -9.942 ms  
Remote clock offset: -2.852 ms

# Below is generated by plot.py at 2017-09-17 16:18:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.38 Mbit/s  
95th percentile per-packet one-way delay: 79.937 ms  
Loss rate: 0.62%  
-- Flow 1:  
Average throughput: 93.38 Mbit/s  
95th percentile per-packet one-way delay: 79.937 ms  
Loss rate: 0.62%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

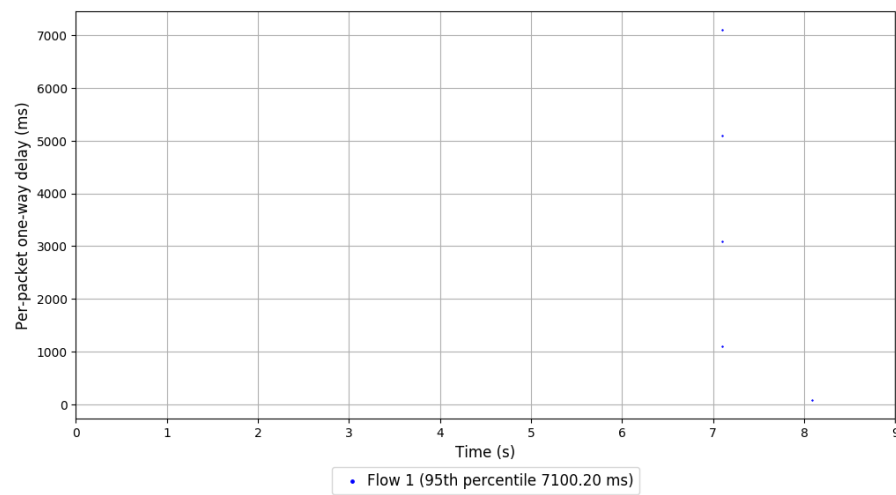
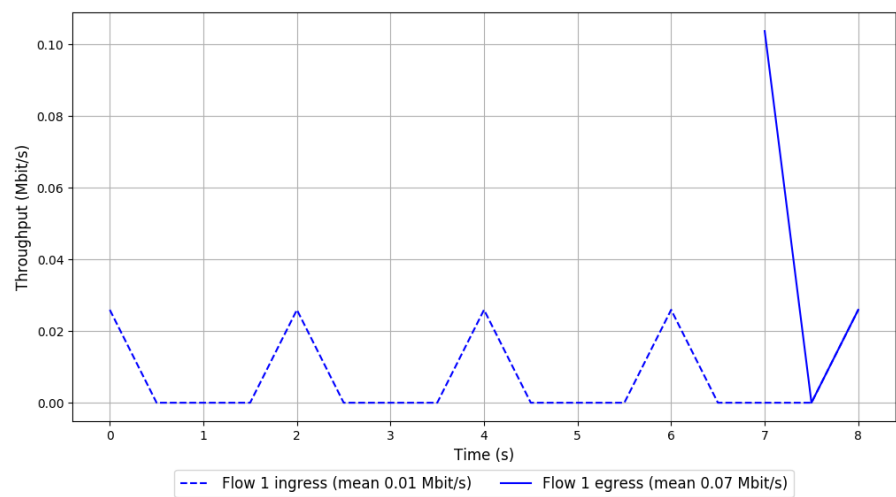
Start at: 2017-09-17 09:36:37

End at: 2017-09-17 09:37:07

Local clock offset: -10.117 ms

Remote clock offset: -3.542 ms

Run 2: Report of Copa — Data Link

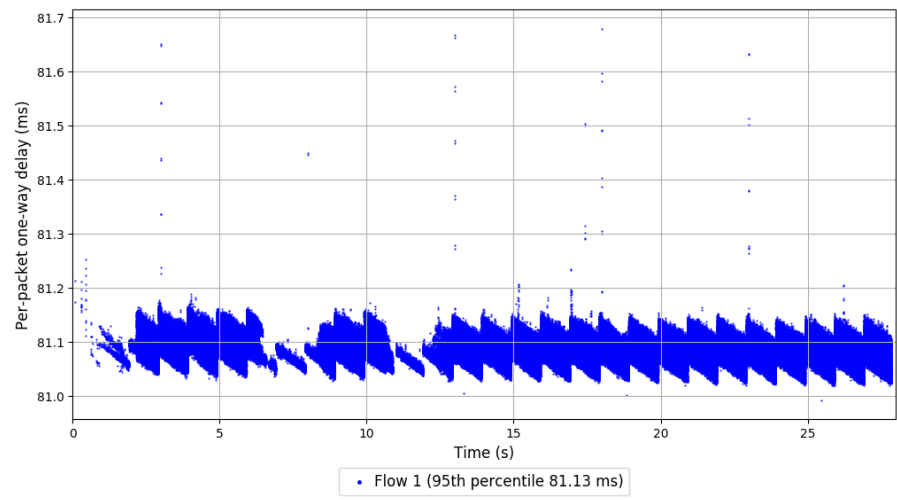
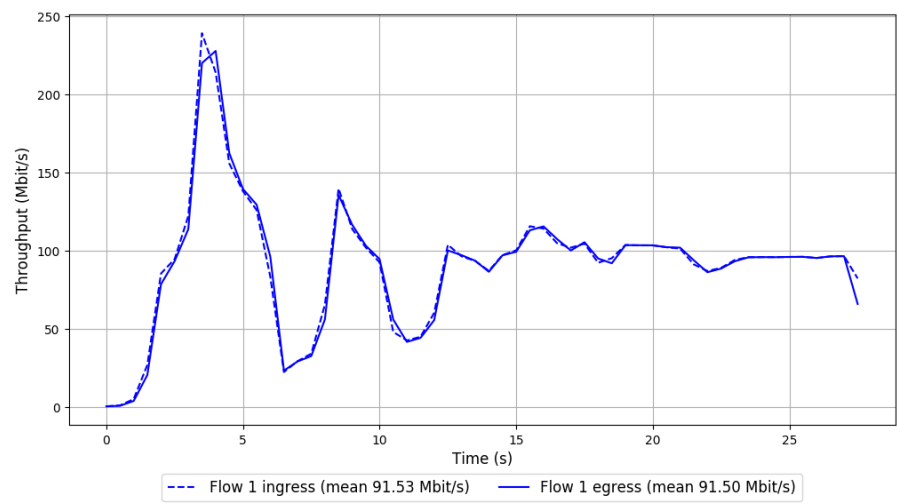


Run 3: Statistics of Copa

Start at: 2017-09-17 09:55:57  
End at: 2017-09-17 09:56:27  
Local clock offset: -10.028 ms  
Remote clock offset: -4.515 ms

# Below is generated by plot.py at 2017-09-17 16:18:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 91.50 Mbit/s  
95th percentile per-packet one-way delay: 81.130 ms  
Loss rate: 0.63%  
-- Flow 1:  
Average throughput: 91.50 Mbit/s  
95th percentile per-packet one-way delay: 81.130 ms  
Loss rate: 0.63%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2017-09-17 10:15:22

End at: 2017-09-17 10:15:52

Local clock offset: -8.822 ms

Remote clock offset: -4.27 ms

# Below is generated by plot.py at 2017-09-17 16:18:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.89 Mbit/s

95th percentile per-packet one-way delay: 80.831 ms

Loss rate: 0.63%

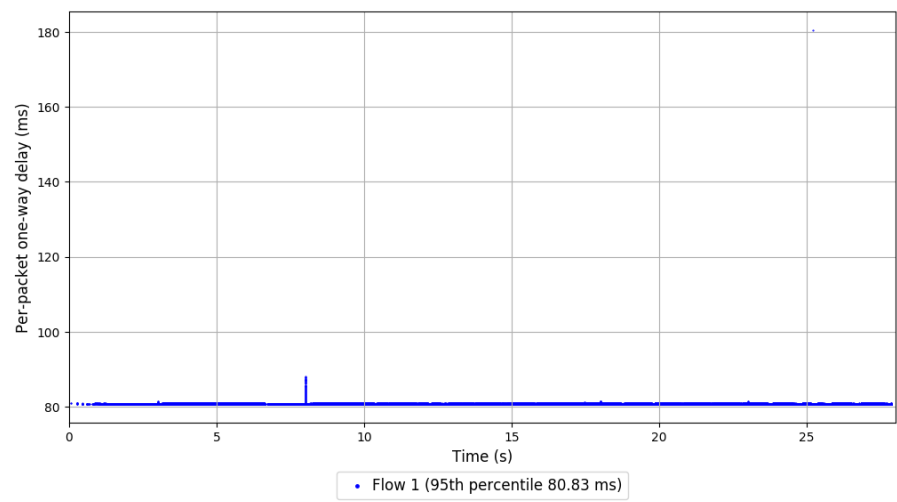
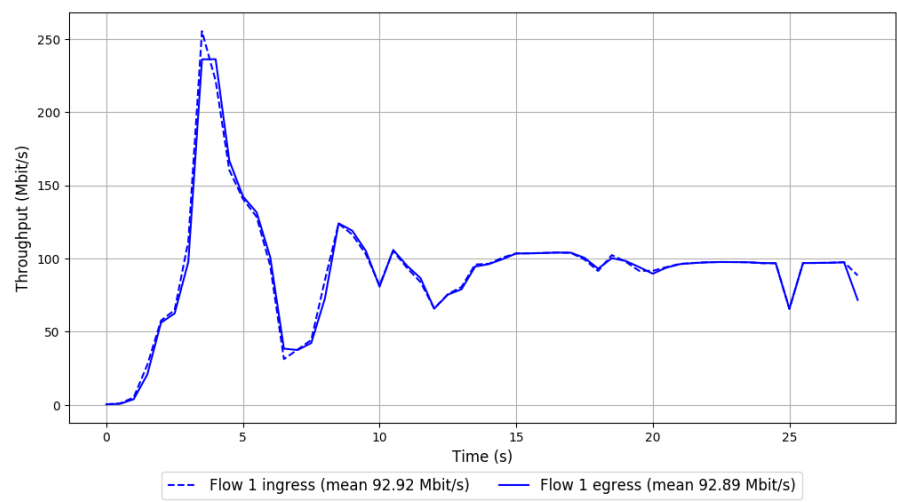
-- Flow 1:

Average throughput: 92.89 Mbit/s

95th percentile per-packet one-way delay: 80.831 ms

Loss rate: 0.63%

Run 4: Report of Copa — Data Link

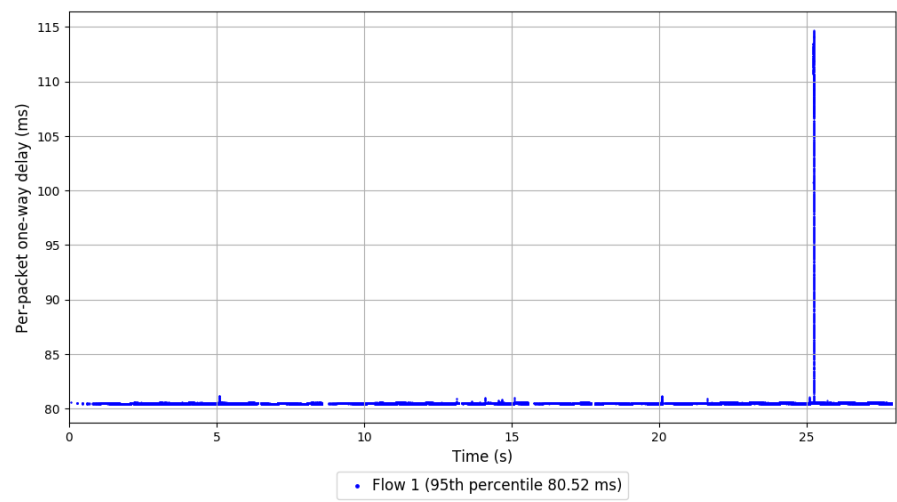
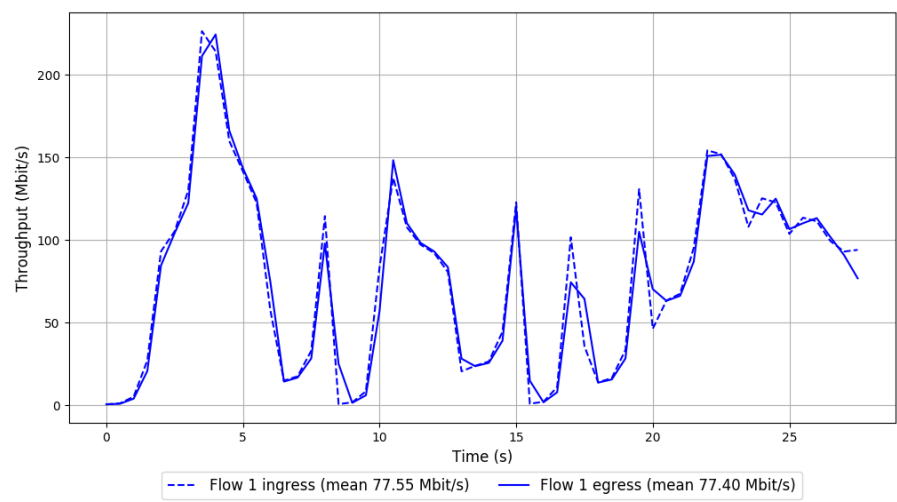


Run 5: Statistics of Copa

Start at: 2017-09-17 10:34:44  
End at: 2017-09-17 10:35:14  
Local clock offset: -9.153 ms  
Remote clock offset: -4.311 ms

# Below is generated by plot.py at 2017-09-17 16:18:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 77.40 Mbit/s  
95th percentile per-packet one-way delay: 80.518 ms  
Loss rate: 0.79%  
-- Flow 1:  
Average throughput: 77.40 Mbit/s  
95th percentile per-packet one-way delay: 80.518 ms  
Loss rate: 0.79%

Run 5: Report of Copa — Data Link

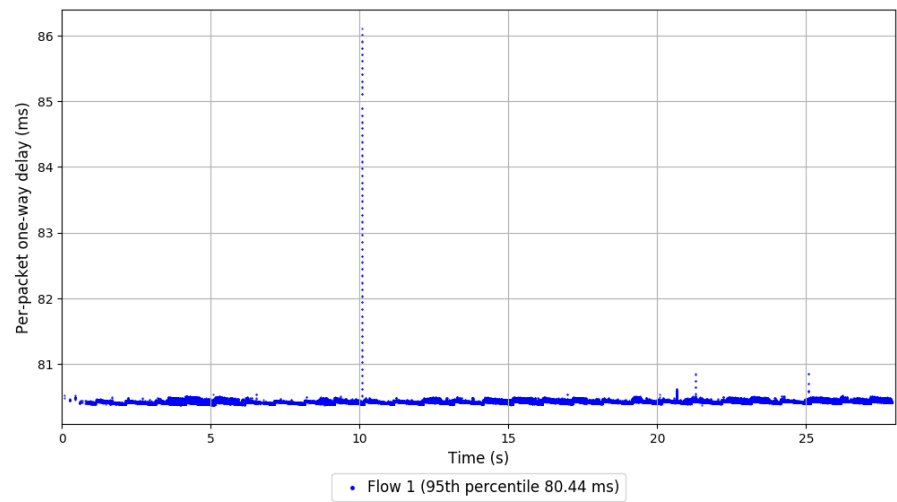
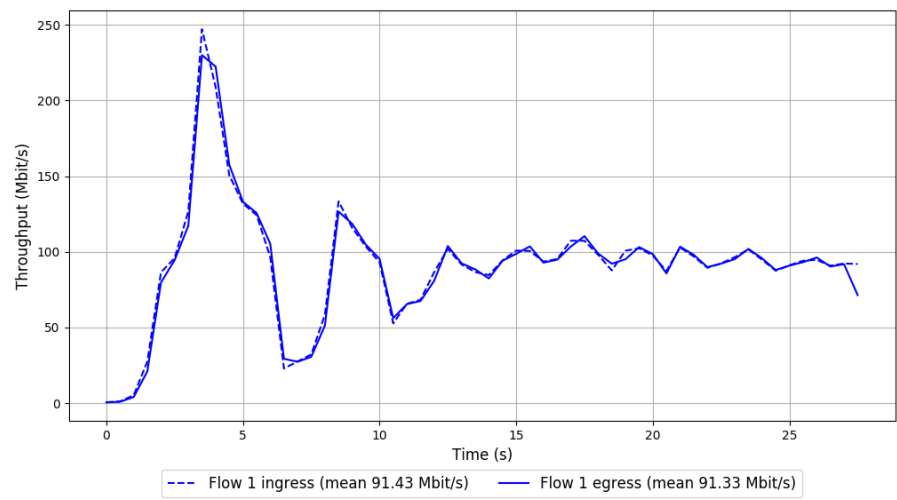


Run 6: Statistics of Copa

Start at: 2017-09-17 10:54:05  
End at: 2017-09-17 10:54:35  
Local clock offset: -9.939 ms  
Remote clock offset: -4.733 ms

# Below is generated by plot.py at 2017-09-17 16:18:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 91.33 Mbit/s  
95th percentile per-packet one-way delay: 80.444 ms  
Loss rate: 0.70%  
-- Flow 1:  
Average throughput: 91.33 Mbit/s  
95th percentile per-packet one-way delay: 80.444 ms  
Loss rate: 0.70%

Run 6: Report of Copa — Data Link

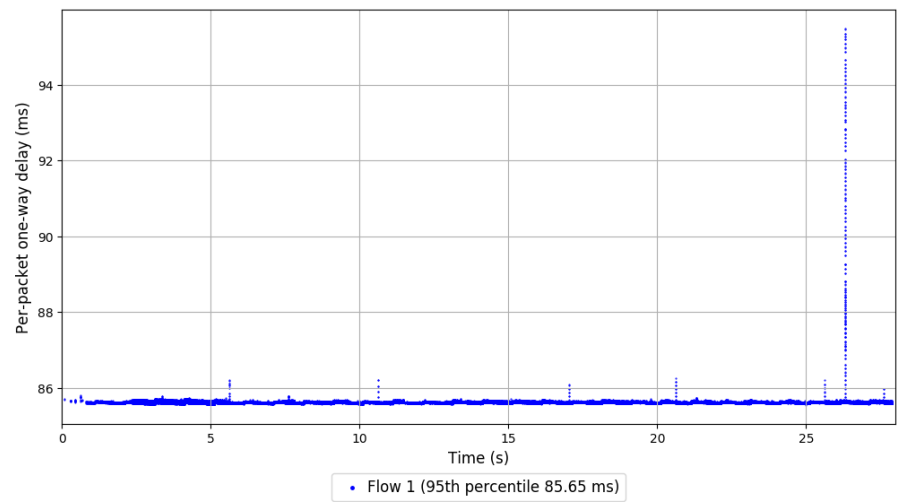
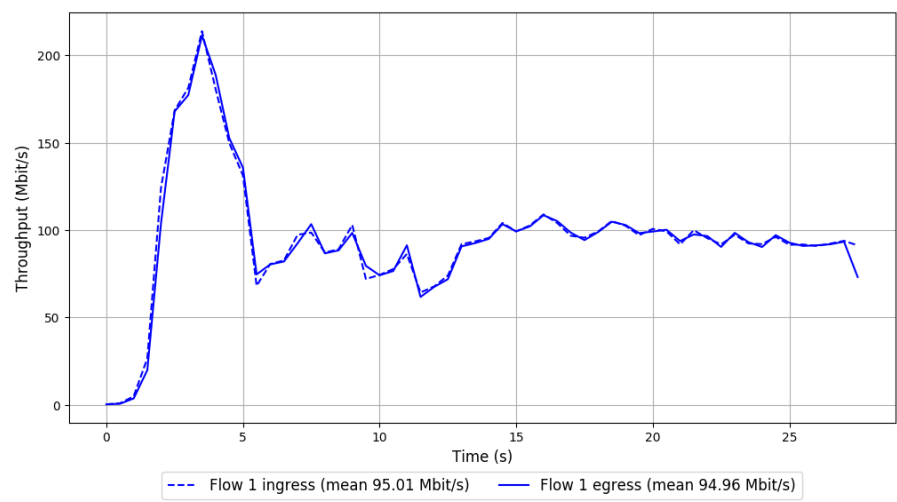


Run 7: Statistics of Copa

Start at: 2017-09-17 11:14:01  
End at: 2017-09-17 11:14:32  
Local clock offset: -10.539 ms  
Remote clock offset: -9.201 ms

# Below is generated by plot.py at 2017-09-17 16:18:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.96 Mbit/s  
95th percentile per-packet one-way delay: 85.650 ms  
Loss rate: 0.65%  
-- Flow 1:  
Average throughput: 94.96 Mbit/s  
95th percentile per-packet one-way delay: 85.650 ms  
Loss rate: 0.65%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2017-09-17 11:32:25

End at: 2017-09-17 11:32:55

Local clock offset: -10.369 ms

# Below is generated by plot.py at 2017-09-17 16:18:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.68 Mbit/s

95th percentile per-packet one-way delay: 86.209 ms

Loss rate: 0.60%

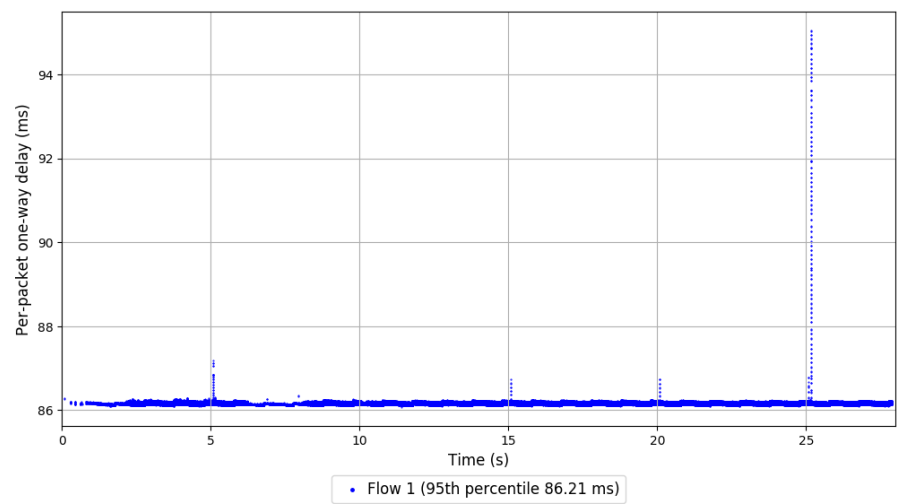
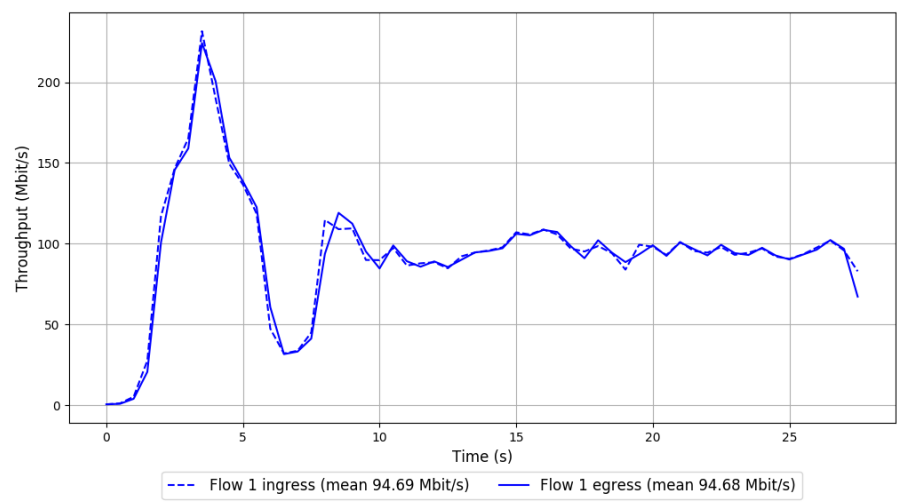
-- Flow 1:

Average throughput: 94.68 Mbit/s

95th percentile per-packet one-way delay: 86.209 ms

Loss rate: 0.60%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2017-09-17 11:49:49

End at: 2017-09-17 11:50:19

Local clock offset: -10.089 ms

# Below is generated by plot.py at 2017-09-17 16:18:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 89.65 Mbit/s

95th percentile per-packet one-way delay: 86.590 ms

Loss rate: 0.67%

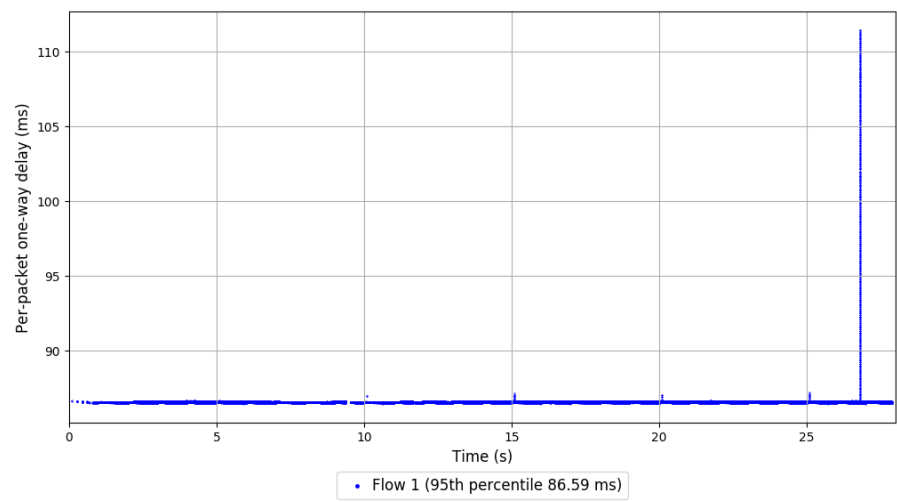
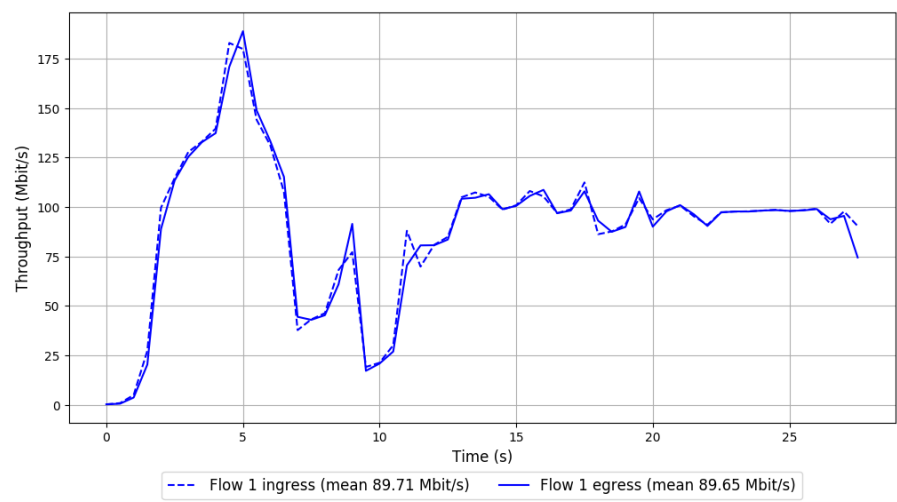
-- Flow 1:

Average throughput: 89.65 Mbit/s

95th percentile per-packet one-way delay: 86.590 ms

Loss rate: 0.67%

Run 9: Report of Copa — Data Link

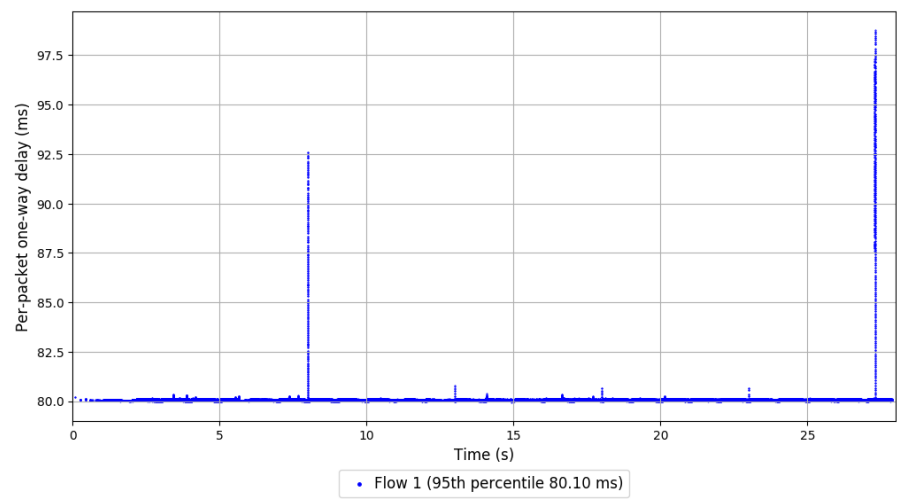
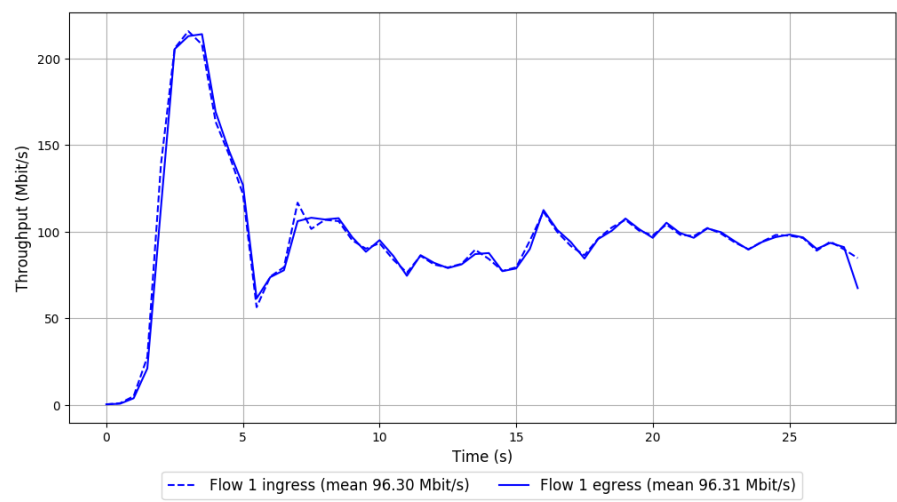


Run 10: Statistics of Copa

Start at: 2017-09-17 12:09:34  
End at: 2017-09-17 12:10:04  
Local clock offset: -9.975 ms  
Remote clock offset: -3.393 ms

# Below is generated by plot.py at 2017-09-17 16:18:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.31 Mbit/s  
95th percentile per-packet one-way delay: 80.101 ms  
Loss rate: 0.58%  
-- Flow 1:  
Average throughput: 96.31 Mbit/s  
95th percentile per-packet one-way delay: 80.101 ms  
Loss rate: 0.58%

Run 10: Report of Copa — Data Link

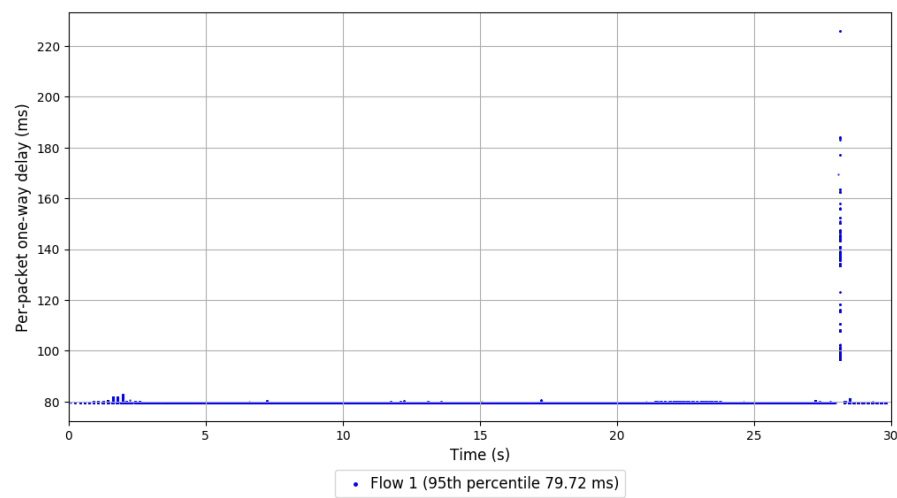
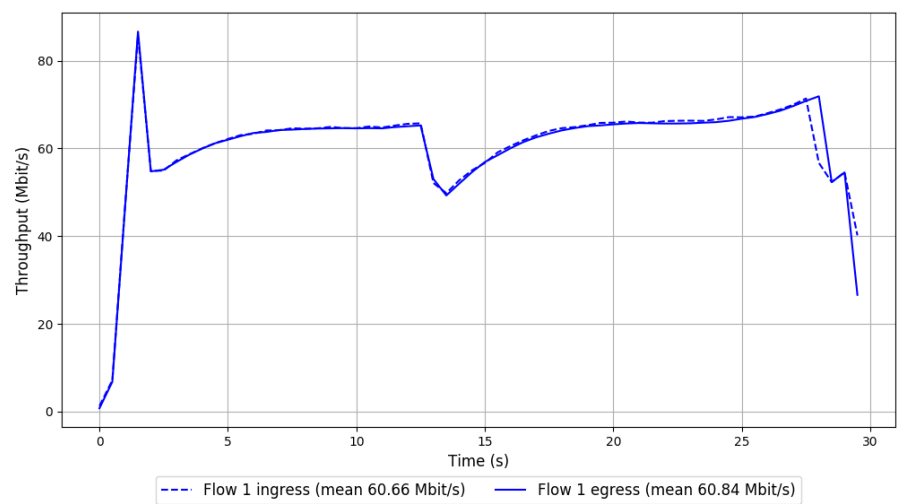


Run 1: Statistics of TCP Cubic

Start at: 2017-09-17 09:19:37  
End at: 2017-09-17 09:20:07  
Local clock offset: -9.936 ms  
Remote clock offset: -2.794 ms

# Below is generated by plot.py at 2017-09-17 16:18:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 60.84 Mbit/s  
95th percentile per-packet one-way delay: 79.715 ms  
Loss rate: 0.38%  
-- Flow 1:  
Average throughput: 60.84 Mbit/s  
95th percentile per-packet one-way delay: 79.715 ms  
Loss rate: 0.38%

Run 1: Report of TCP Cubic — Data Link

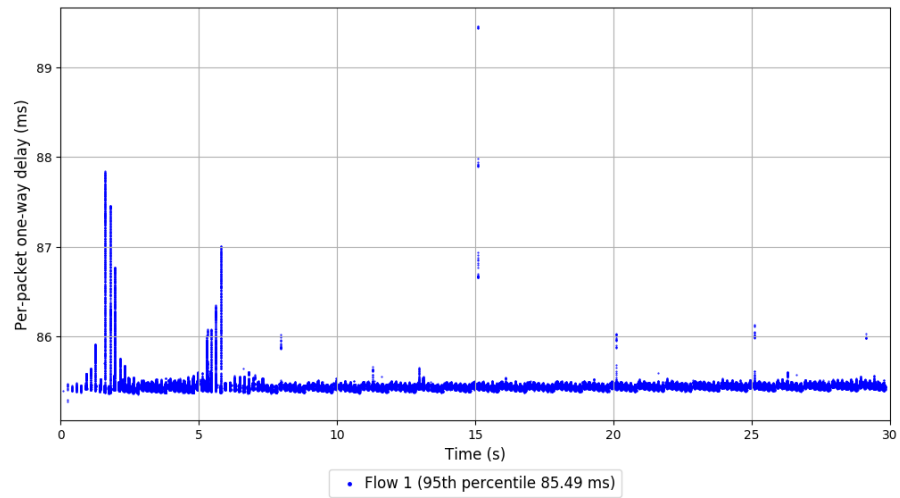
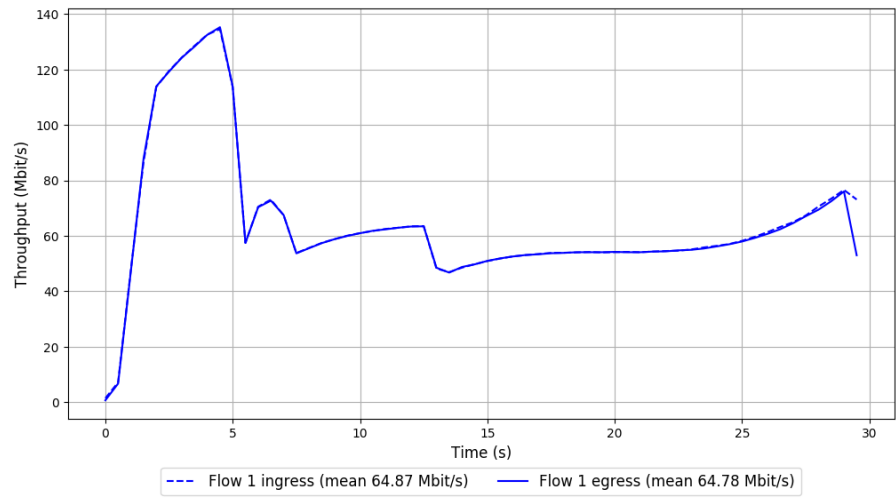


Run 2: Statistics of TCP Cubic

Start at: 2017-09-17 09:38:56  
End at: 2017-09-17 09:39:26  
Local clock offset: -10.277 ms  
Remote clock offset: -9.081 ms

# Below is generated by plot.py at 2017-09-17 16:18:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 64.78 Mbit/s  
95th percentile per-packet one-way delay: 85.491 ms  
Loss rate: 0.70%  
-- Flow 1:  
Average throughput: 64.78 Mbit/s  
95th percentile per-packet one-way delay: 85.491 ms  
Loss rate: 0.70%

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

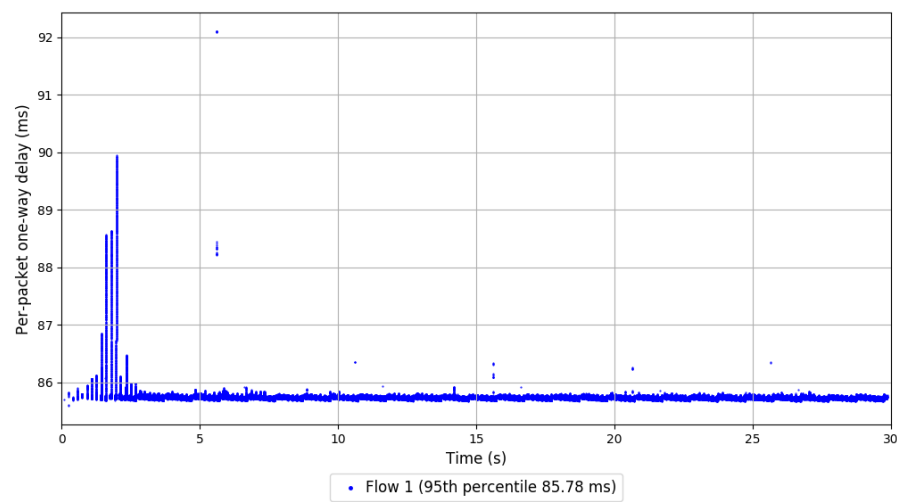
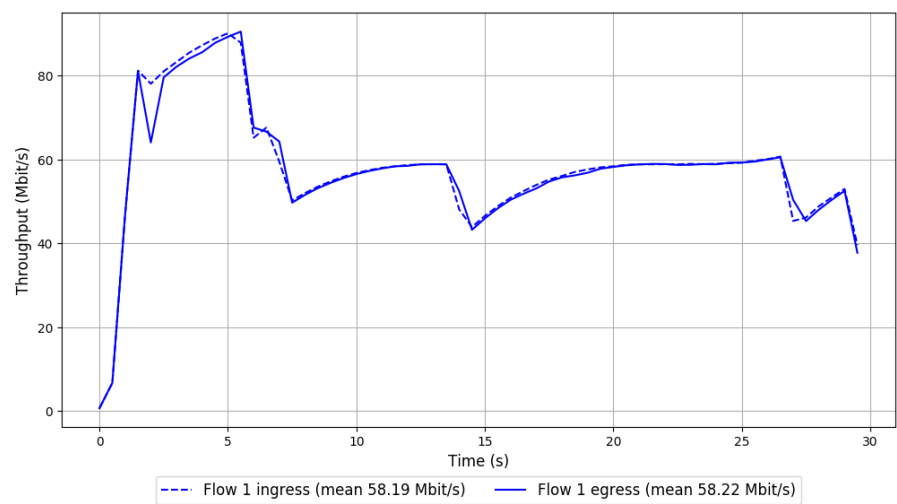


Run 3: Statistics of TCP Cubic

Start at: 2017-09-17 09:58:24  
End at: 2017-09-17 09:58:54  
Local clock offset: -9.949 ms  
Remote clock offset: -8.887 ms

# Below is generated by plot.py at 2017-09-17 16:18:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 58.22 Mbit/s  
95th percentile per-packet one-way delay: 85.782 ms  
Loss rate: 0.52%  
-- Flow 1:  
Average throughput: 58.22 Mbit/s  
95th percentile per-packet one-way delay: 85.782 ms  
Loss rate: 0.52%

Run 3: Report of TCP Cubic — Data Link

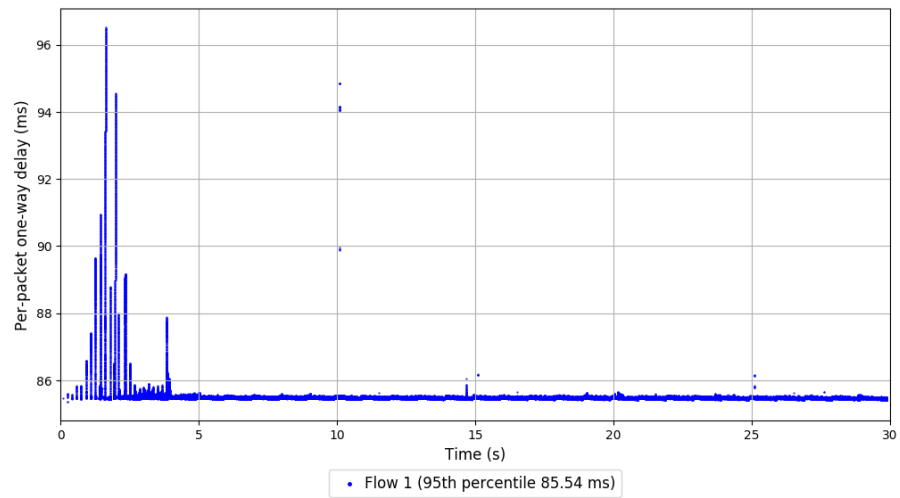
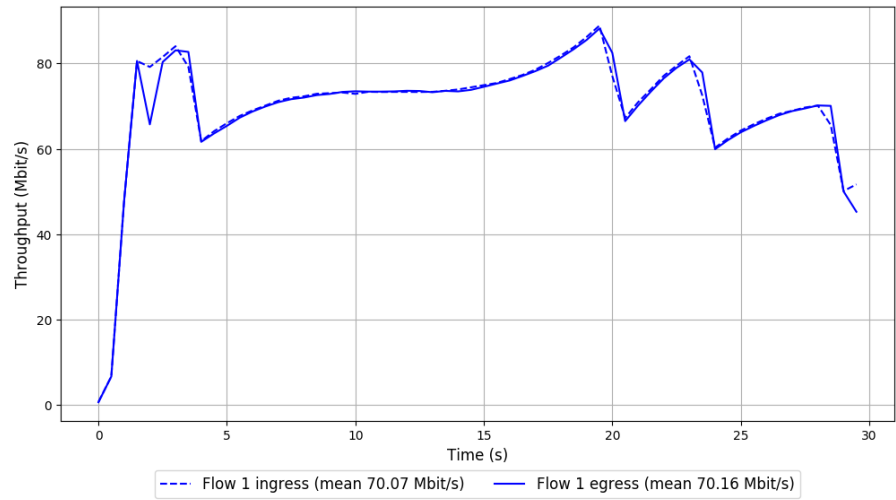


Run 4: Statistics of TCP Cubic

Start at: 2017-09-17 10:17:50  
End at: 2017-09-17 10:18:20  
Local clock offset: -8.741 ms  
Remote clock offset: -9.147 ms

# Below is generated by plot.py at 2017-09-17 16:18:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 70.16 Mbit/s  
95th percentile per-packet one-way delay: 85.536 ms  
Loss rate: 0.42%  
-- Flow 1:  
Average throughput: 70.16 Mbit/s  
95th percentile per-packet one-way delay: 85.536 ms  
Loss rate: 0.42%

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

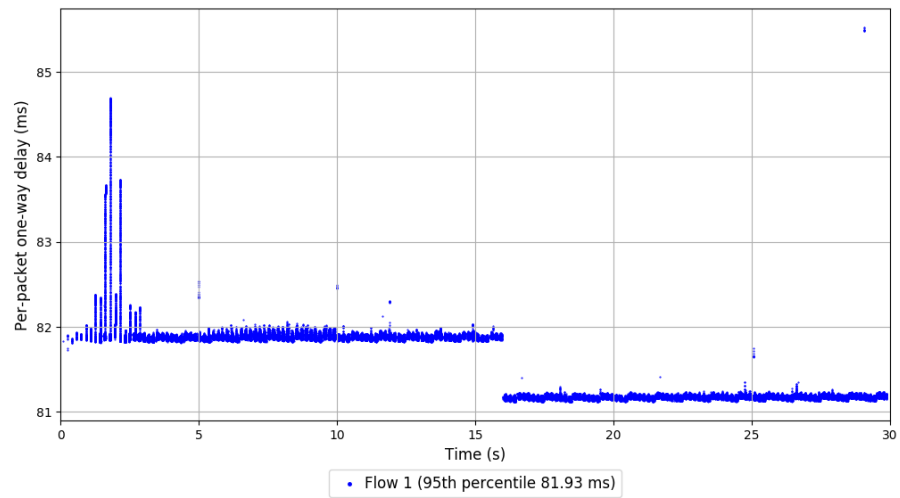
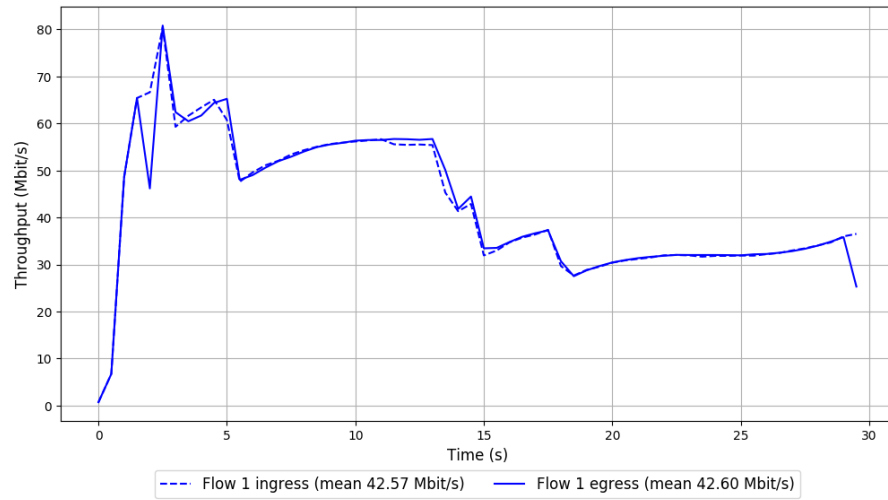


Run 5: Statistics of TCP Cubic

Start at: 2017-09-17 10:37:11  
End at: 2017-09-17 10:37:41  
Local clock offset: -9.181 ms  
Remote clock offset: -4.931 ms

# Below is generated by plot.py at 2017-09-17 16:18:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 42.60 Mbit/s  
95th percentile per-packet one-way delay: 81.932 ms  
Loss rate: 0.50%  
-- Flow 1:  
Average throughput: 42.60 Mbit/s  
95th percentile per-packet one-way delay: 81.932 ms  
Loss rate: 0.50%

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

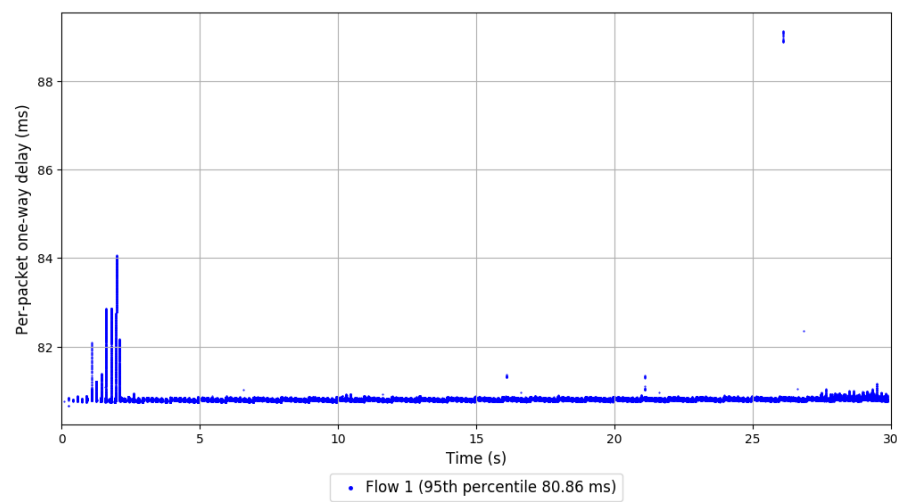
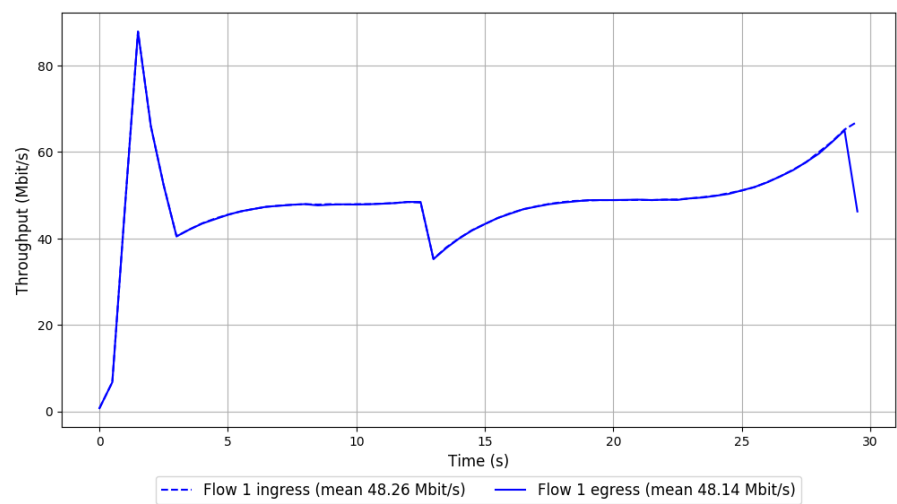


Run 6: Statistics of TCP Cubic

Start at: 2017-09-17 10:56:33  
End at: 2017-09-17 10:57:03  
Local clock offset: -10.002 ms  
Remote clock offset: -4.41 ms

# Below is generated by plot.py at 2017-09-17 16:18:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 48.14 Mbit/s  
95th percentile per-packet one-way delay: 80.865 ms  
Loss rate: 0.80%  
-- Flow 1:  
Average throughput: 48.14 Mbit/s  
95th percentile per-packet one-way delay: 80.865 ms  
Loss rate: 0.80%

Run 6: Report of TCP Cubic — Data Link

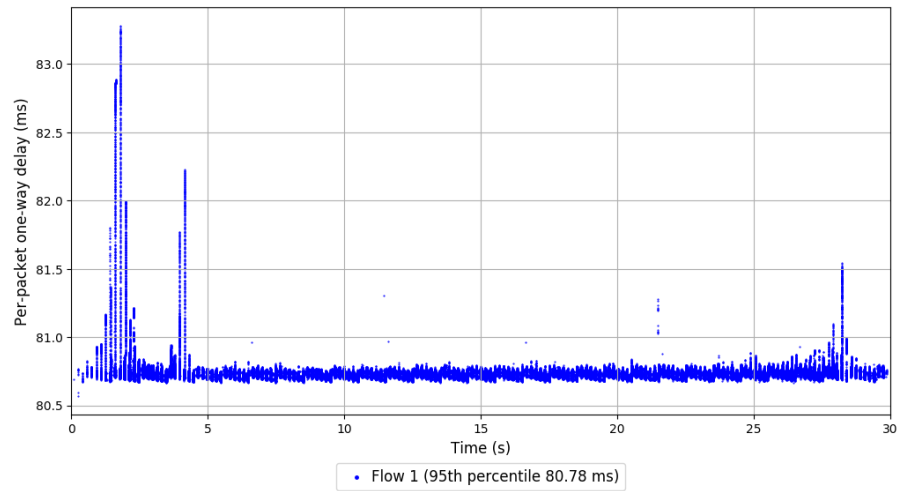
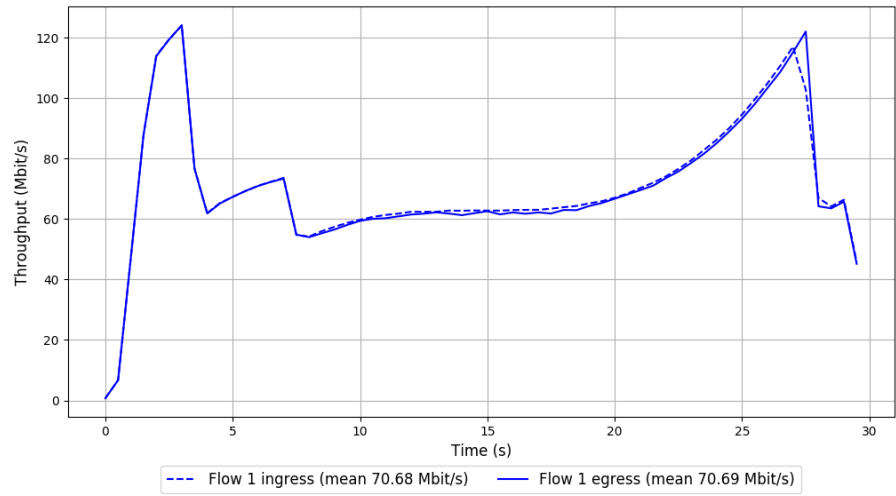


Run 7: Statistics of TCP Cubic

Start at: 2017-09-17 11:16:31  
End at: 2017-09-17 11:17:01  
Local clock offset: -10.585 ms  
Remote clock offset: -4.31 ms

# Below is generated by plot.py at 2017-09-17 16:18:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 70.69 Mbit/s  
95th percentile per-packet one-way delay: 80.780 ms  
Loss rate: 0.54%  
-- Flow 1:  
Average throughput: 70.69 Mbit/s  
95th percentile per-packet one-way delay: 80.780 ms  
Loss rate: 0.54%

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



Run 8: Statistics of TCP Cubic

Start at: 2017-09-17 11:34:28

End at: 2017-09-17 11:34:58

Local clock offset: -10.327 ms

# Below is generated by plot.py at 2017-09-17 16:18:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 68.88 Mbit/s

95th percentile per-packet one-way delay: 86.821 ms

Loss rate: 0.65%

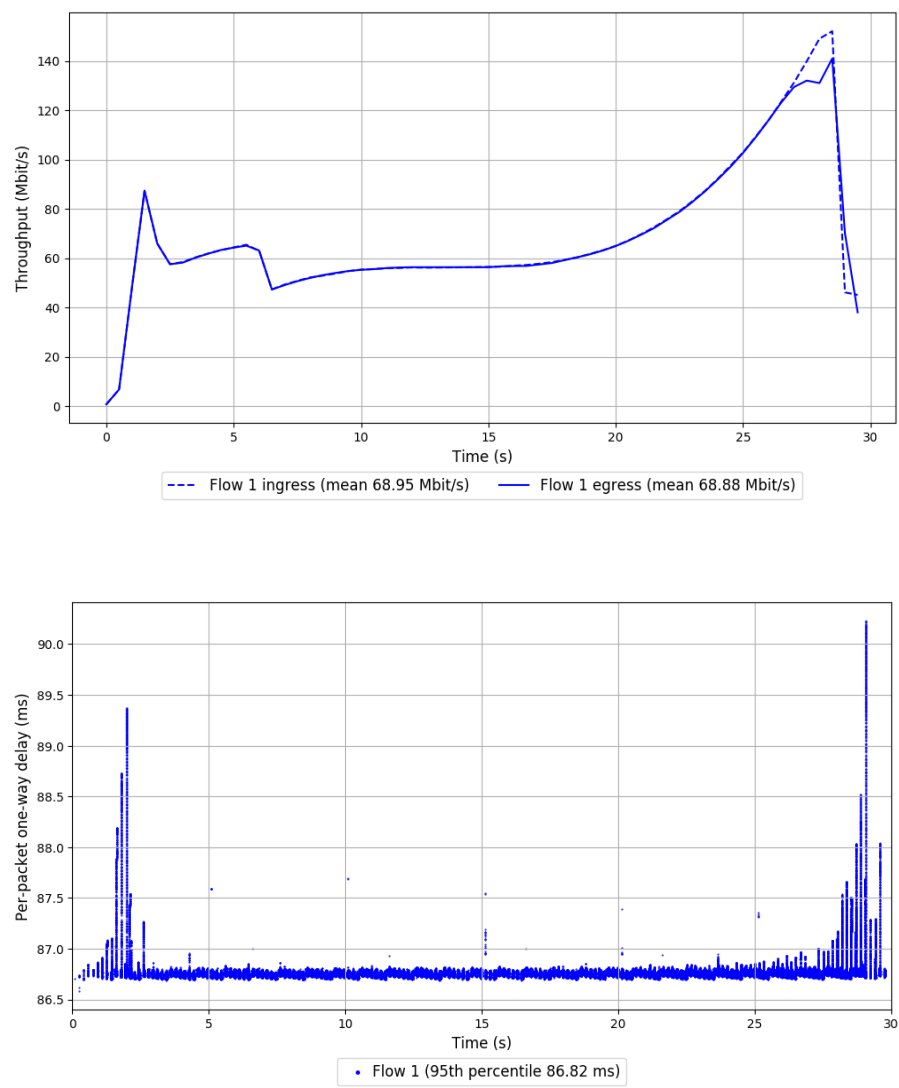
-- Flow 1:

Average throughput: 68.88 Mbit/s

95th percentile per-packet one-way delay: 86.821 ms

Loss rate: 0.65%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2017-09-17 11:52:00

End at: 2017-09-17 11:52:30

Local clock offset: -10.098 ms

# Below is generated by plot.py at 2017-09-17 16:18:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 60.17 Mbit/s

95th percentile per-packet one-way delay: 86.860 ms

Loss rate: 0.53%

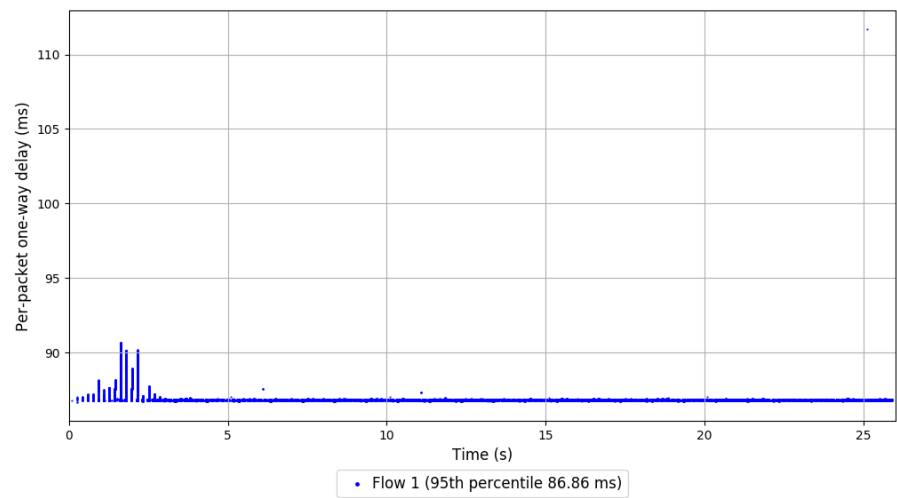
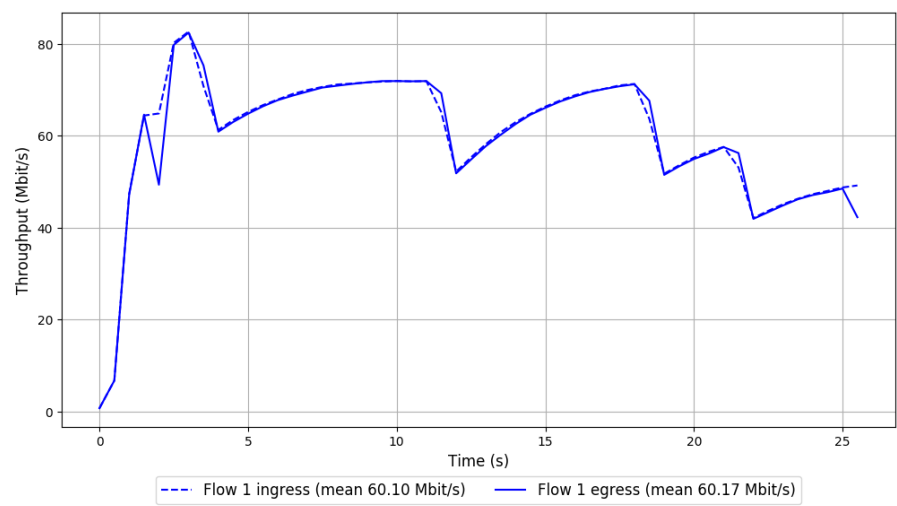
-- Flow 1:

Average throughput: 60.17 Mbit/s

95th percentile per-packet one-way delay: 86.860 ms

Loss rate: 0.53%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2017-09-17 12:12:04

End at: 2017-09-17 12:12:34

Local clock offset: -9.91 ms

Remote clock offset: -2.942 ms

# Below is generated by plot.py at 2017-09-17 16:18:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 39.58 Mbit/s

95th percentile per-packet one-way delay: 79.646 ms

Loss rate: 0.36%

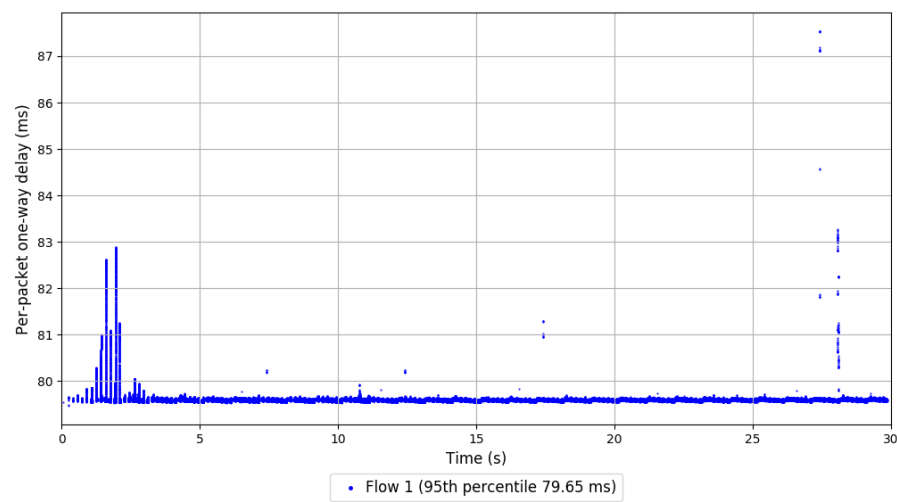
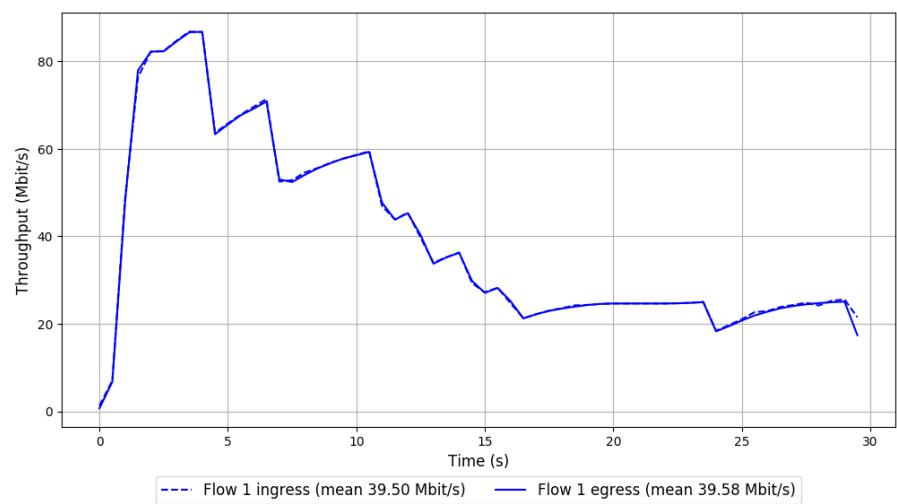
-- Flow 1:

Average throughput: 39.58 Mbit/s

95th percentile per-packet one-way delay: 79.646 ms

Loss rate: 0.36%

Run 10: Report of TCP Cubic — Data Link

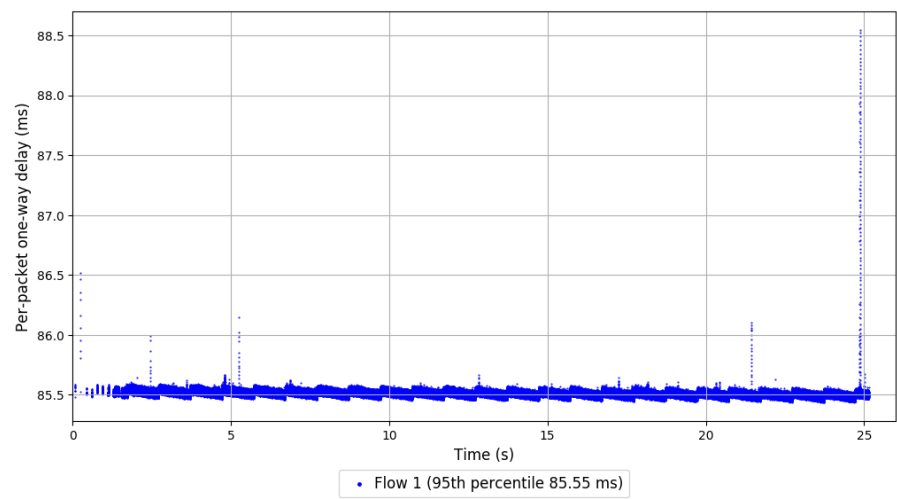
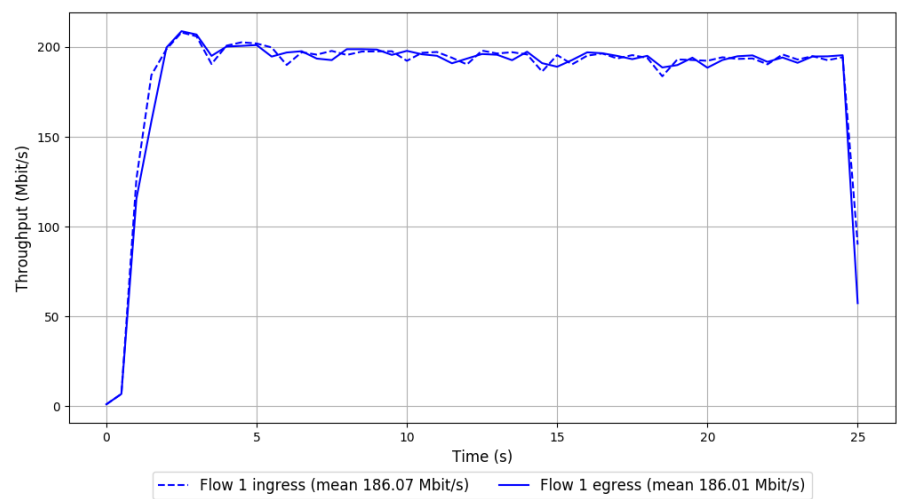


Run 1: Statistics of Indigo

Start at: 2017-09-17 09:23:16  
End at: 2017-09-17 09:23:47  
Local clock offset: -9.785 ms  
Remote clock offset: -8.405 ms

# Below is generated by plot.py at 2017-09-17 16:19:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 186.01 Mbit/s  
95th percentile per-packet one-way delay: 85.549 ms  
Loss rate: 0.69%  
-- Flow 1:  
Average throughput: 186.01 Mbit/s  
95th percentile per-packet one-way delay: 85.549 ms  
Loss rate: 0.69%

Run 1: Report of Indigo — Data Link

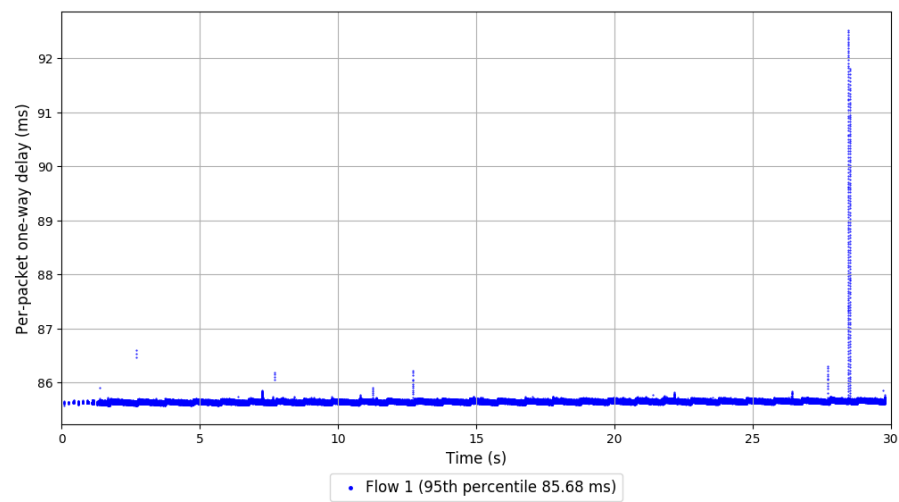
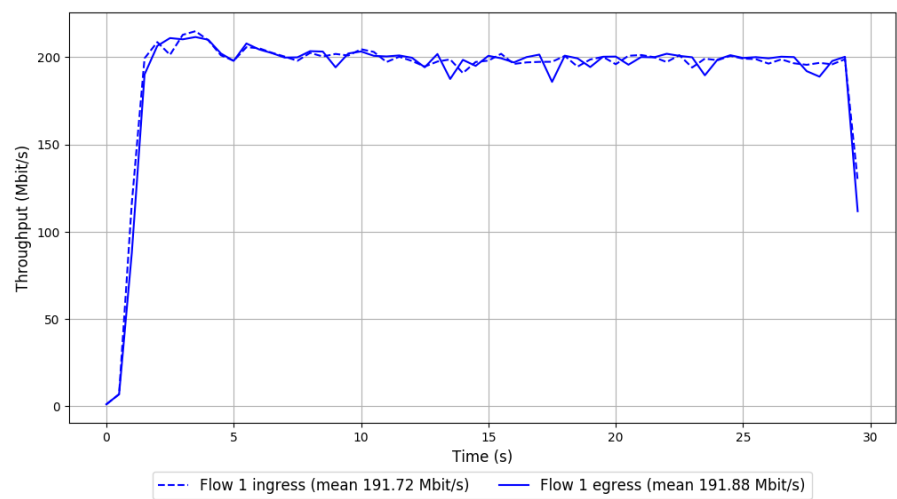


Run 2: Statistics of Indigo

Start at: 2017-09-17 09:42:37  
End at: 2017-09-17 09:43:07  
Local clock offset: -10.518 ms  
Remote clock offset: -8.867 ms

# Below is generated by plot.py at 2017-09-17 16:19:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 191.88 Mbit/s  
95th percentile per-packet one-way delay: 85.684 ms  
Loss rate: 0.47%  
-- Flow 1:  
Average throughput: 191.88 Mbit/s  
95th percentile per-packet one-way delay: 85.684 ms  
Loss rate: 0.47%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2017-09-17 10:02:04

End at: 2017-09-17 10:02:34

Local clock offset: -9.528 ms

Remote clock offset: -9.348 ms

# Below is generated by plot.py at 2017-09-17 16:20:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 180.46 Mbit/s

95th percentile per-packet one-way delay: 85.439 ms

Loss rate: 0.59%

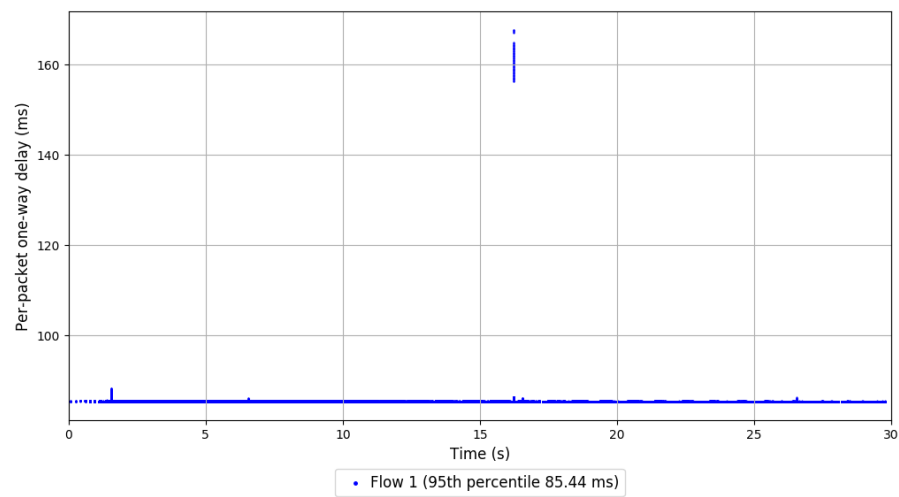
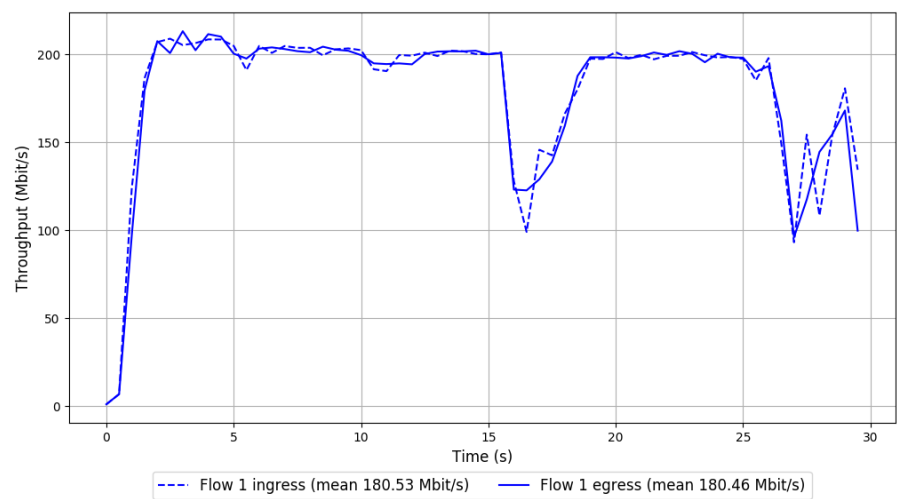
-- Flow 1:

Average throughput: 180.46 Mbit/s

95th percentile per-packet one-way delay: 85.439 ms

Loss rate: 0.59%

Run 3: Report of Indigo — Data Link

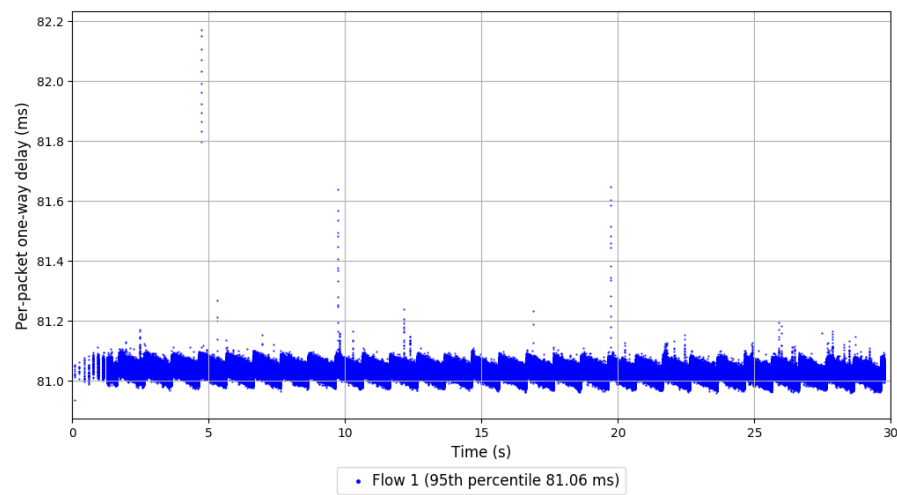
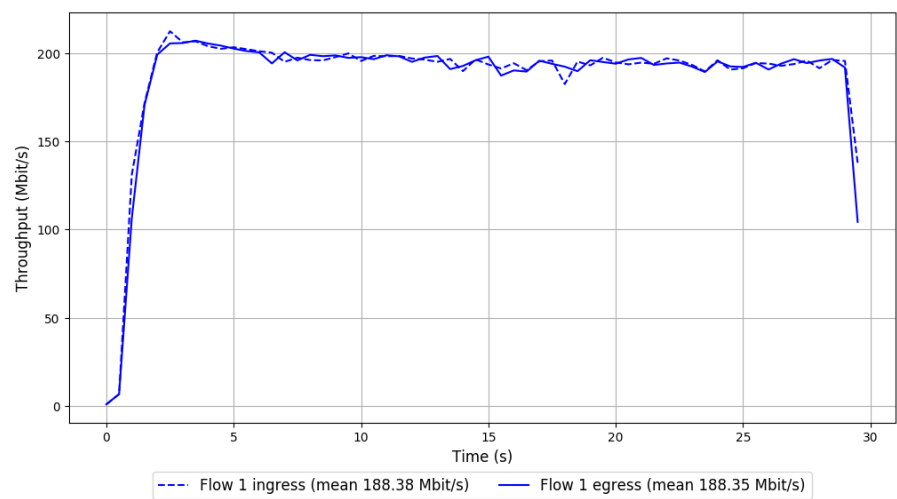


Run 4: Statistics of Indigo

Start at: 2017-09-17 10:21:31  
End at: 2017-09-17 10:22:01  
Local clock offset: -8.661 ms  
Remote clock offset: -4.497 ms

# Below is generated by plot.py at 2017-09-17 16:20:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 188.35 Mbit/s  
95th percentile per-packet one-way delay: 81.065 ms  
Loss rate: 0.58%  
-- Flow 1:  
Average throughput: 188.35 Mbit/s  
95th percentile per-packet one-way delay: 81.065 ms  
Loss rate: 0.58%

Run 4: Report of Indigo — Data Link

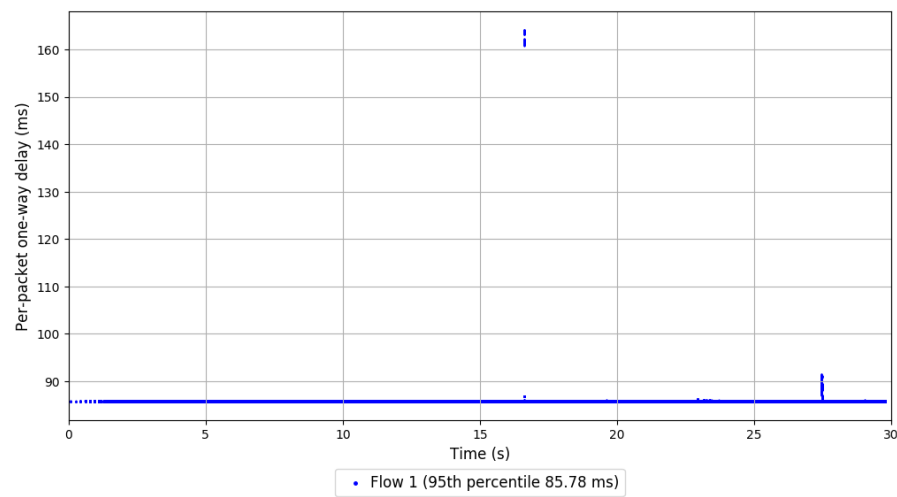
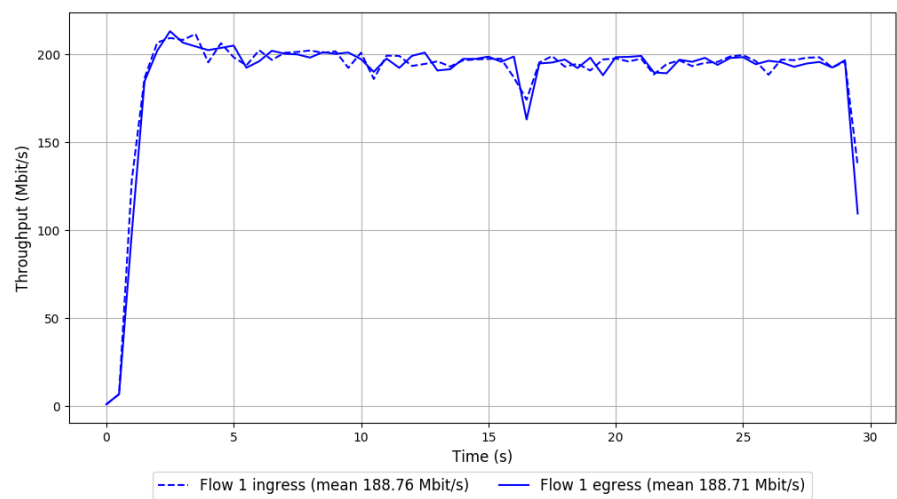


Run 5: Statistics of Indigo

Start at: 2017-09-17 10:40:50  
End at: 2017-09-17 10:41:20  
Local clock offset: -9.406 ms  
Remote clock offset: -9.669 ms

# Below is generated by plot.py at 2017-09-17 16:20:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 188.71 Mbit/s  
95th percentile per-packet one-way delay: 85.780 ms  
Loss rate: 0.58%  
-- Flow 1:  
Average throughput: 188.71 Mbit/s  
95th percentile per-packet one-way delay: 85.780 ms  
Loss rate: 0.58%

Run 5: Report of Indigo — Data Link

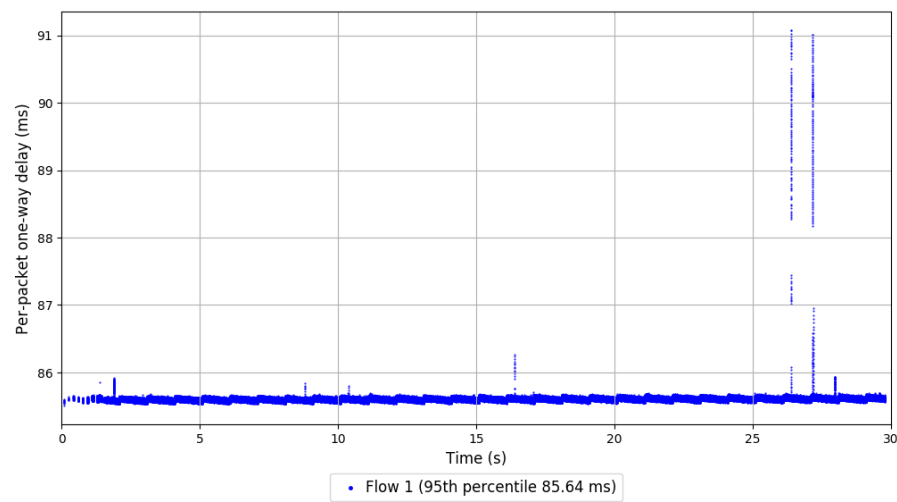
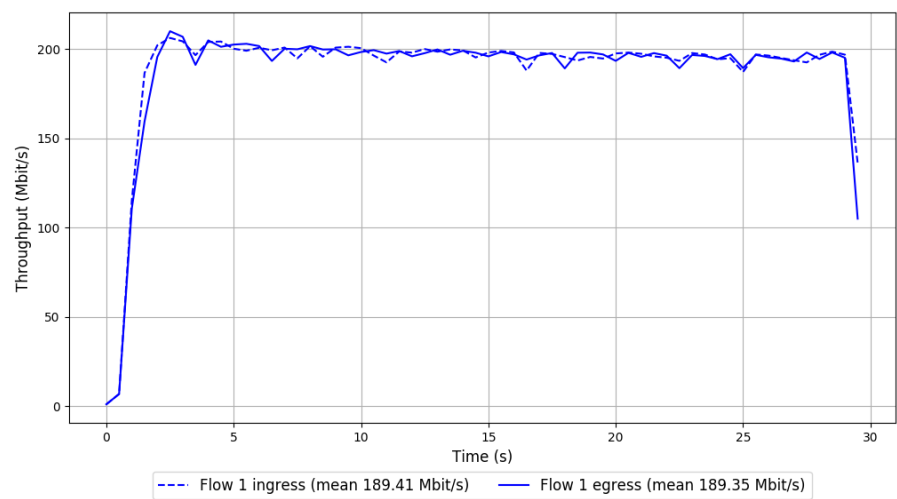


Run 6: Statistics of Indigo

Start at: 2017-09-17 11:00:12  
End at: 2017-09-17 11:00:42  
Local clock offset: -10.294 ms  
Remote clock offset: -9.375 ms

# Below is generated by plot.py at 2017-09-17 16:20:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 189.35 Mbit/s  
95th percentile per-packet one-way delay: 85.639 ms  
Loss rate: 0.58%  
-- Flow 1:  
Average throughput: 189.35 Mbit/s  
95th percentile per-packet one-way delay: 85.639 ms  
Loss rate: 0.58%

Run 6: Report of Indigo — Data Link

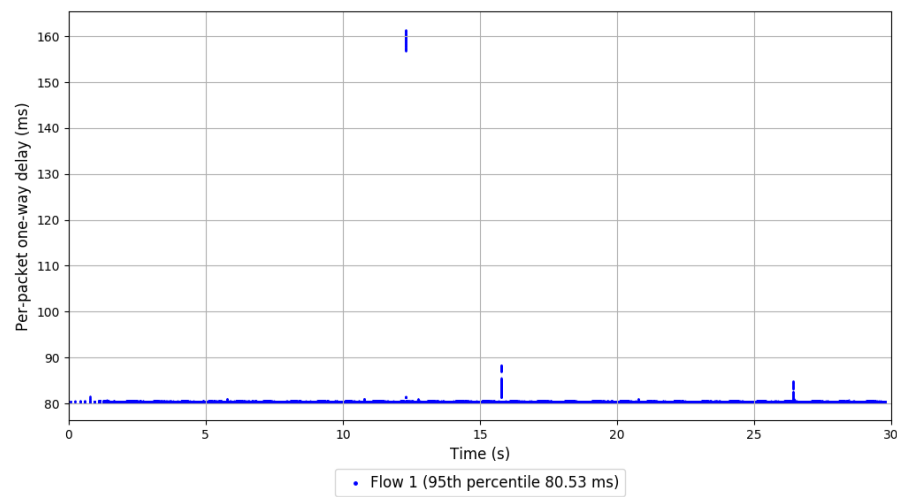
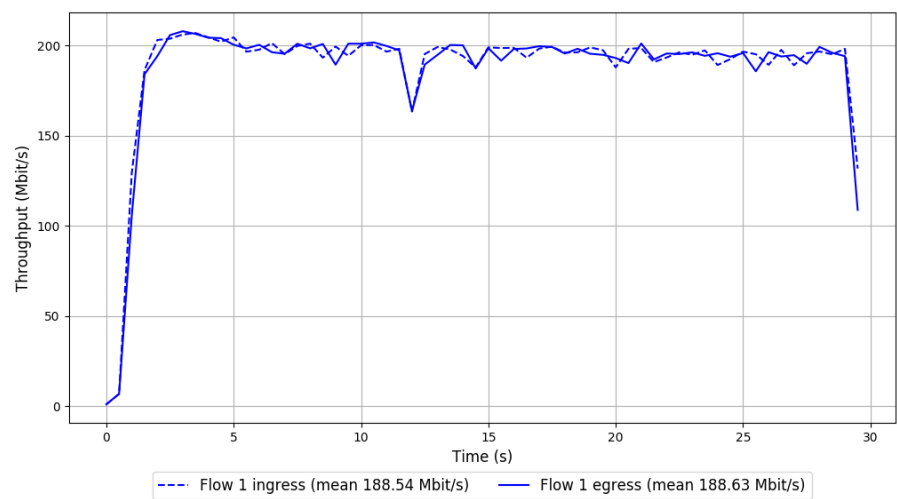


Run 7: Statistics of Indigo

Start at: 2017-09-17 11:20:13  
End at: 2017-09-17 11:20:43  
Local clock offset: -10.503 ms  
Remote clock offset: -4.241 ms

# Below is generated by plot.py at 2017-09-17 16:20:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 188.63 Mbit/s  
95th percentile per-packet one-way delay: 80.527 ms  
Loss rate: 0.51%  
-- Flow 1:  
Average throughput: 188.63 Mbit/s  
95th percentile per-packet one-way delay: 80.527 ms  
Loss rate: 0.51%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2017-09-17 11:37:33

End at: 2017-09-17 11:38:03

Local clock offset: -10.306 ms

# Below is generated by plot.py at 2017-09-17 16:21:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 192.77 Mbit/s

95th percentile per-packet one-way delay: 86.647 ms

Loss rate: 0.57%

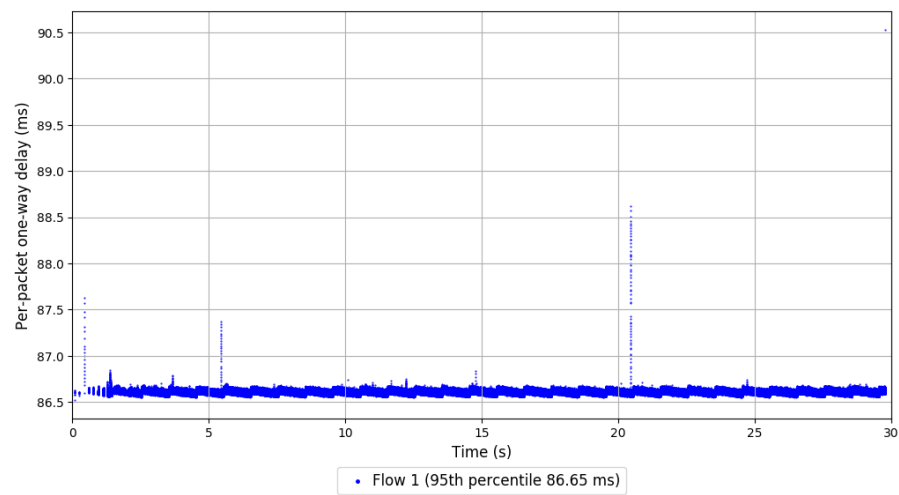
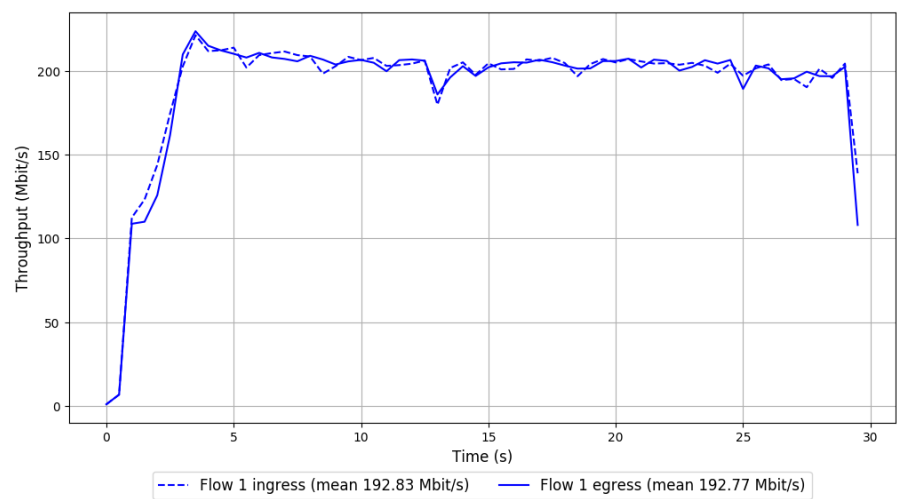
-- Flow 1:

Average throughput: 192.77 Mbit/s

95th percentile per-packet one-way delay: 86.647 ms

Loss rate: 0.57%

Run 8: Report of Indigo — Data Link

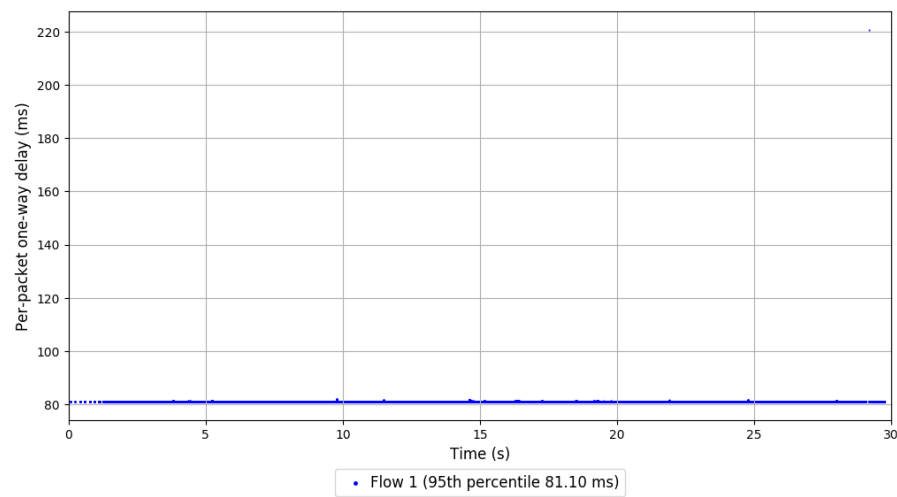
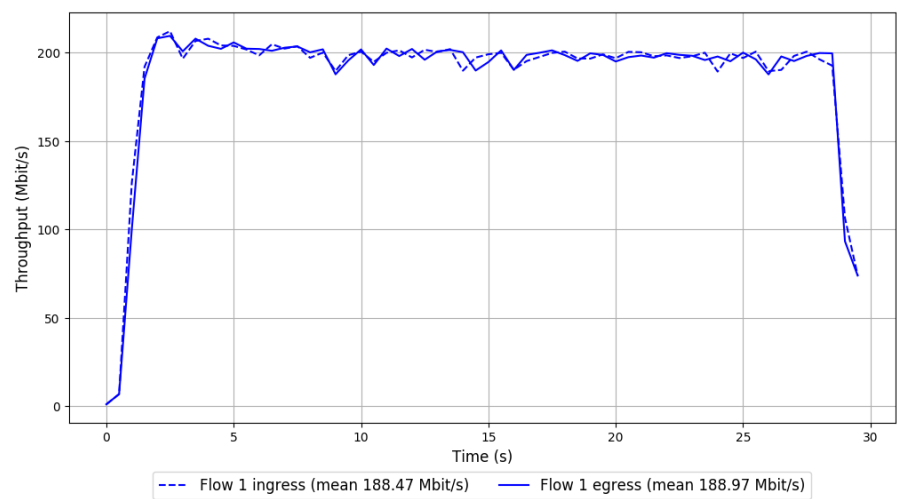


Run 9: Statistics of Indigo

Start at: 2017-09-17 11:55:13  
End at: 2017-09-17 11:55:43  
Local clock offset: -10.042 ms  
Remote clock offset: -4.122 ms

# Below is generated by plot.py at 2017-09-17 16:22:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 188.97 Mbit/s  
95th percentile per-packet one-way delay: 81.096 ms  
Loss rate: 0.33%  
-- Flow 1:  
Average throughput: 188.97 Mbit/s  
95th percentile per-packet one-way delay: 81.096 ms  
Loss rate: 0.33%

Run 9: Report of Indigo — Data Link

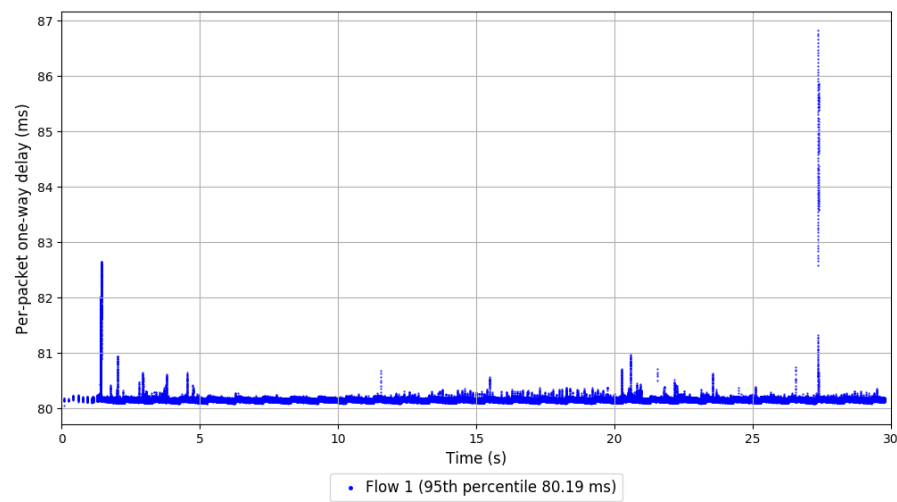
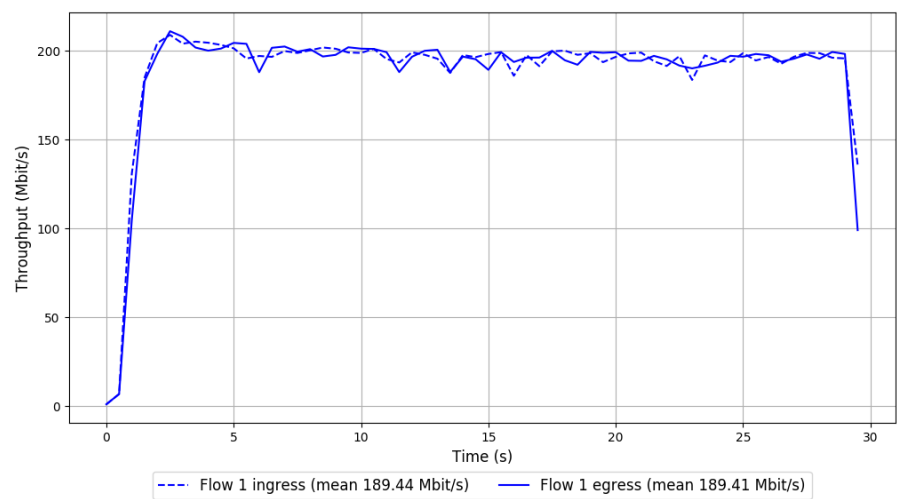


Run 10: Statistics of Indigo

Start at: 2017-09-17 12:15:45  
End at: 2017-09-17 12:16:15  
Local clock offset: -9.936 ms  
Remote clock offset: -3.141 ms

# Below is generated by plot.py at 2017-09-17 16:22:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 189.41 Mbit/s  
95th percentile per-packet one-way delay: 80.190 ms  
Loss rate: 0.57%  
-- Flow 1:  
Average throughput: 189.41 Mbit/s  
95th percentile per-packet one-way delay: 80.190 ms  
Loss rate: 0.57%

Run 10: Report of Indigo — Data Link

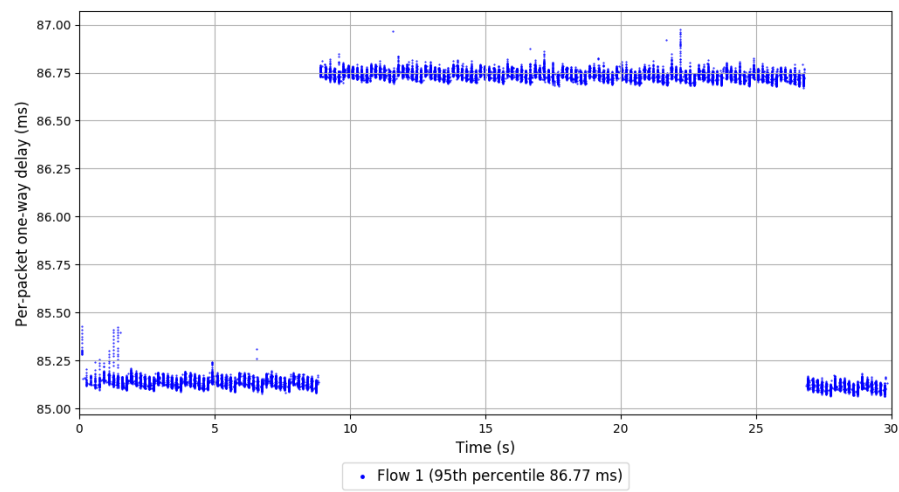
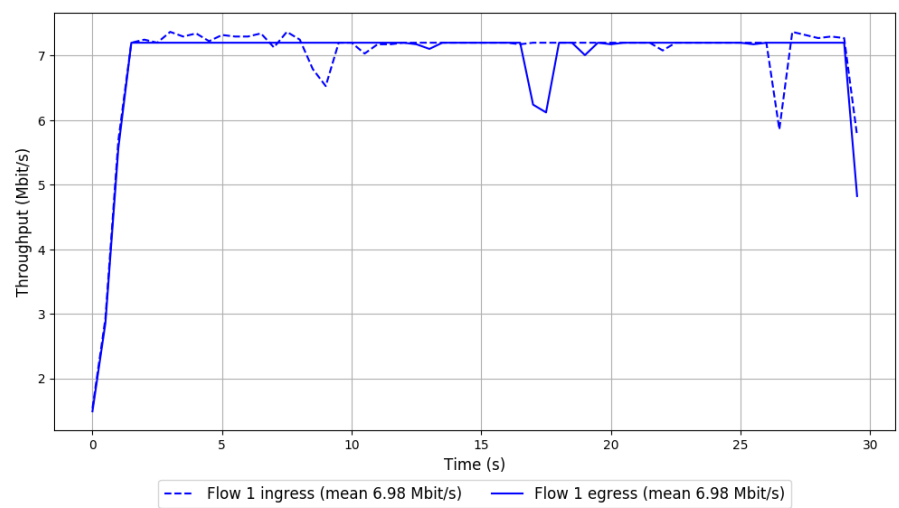


Run 1: Statistics of KohoCC

Start at: 2017-09-17 09:15:59  
End at: 2017-09-17 09:16:29  
Local clock offset: -9.943 ms  
Remote clock offset: -8.108 ms

# Below is generated by plot.py at 2017-09-17 16:22:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 6.98 Mbit/s  
95th percentile per-packet one-way delay: 86.772 ms  
Loss rate: 0.57%  
-- Flow 1:  
Average throughput: 6.98 Mbit/s  
95th percentile per-packet one-way delay: 86.772 ms  
Loss rate: 0.57%

Run 1: Report of KohoCC — Data Link

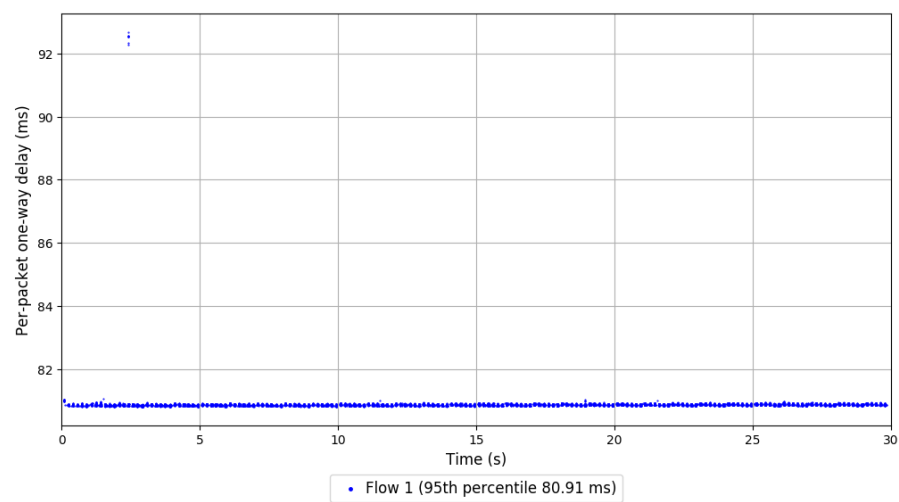
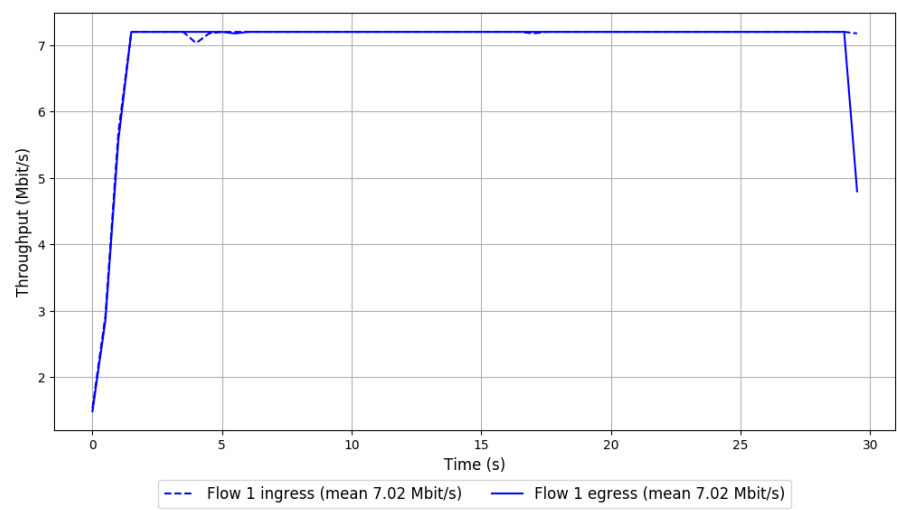


Run 2: Statistics of KohoCC

Start at: 2017-09-17 09:35:27  
End at: 2017-09-17 09:35:57  
Local clock offset: -10.036 ms  
Remote clock offset: -3.736 ms

# Below is generated by plot.py at 2017-09-17 16:22:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 7.02 Mbit/s  
95th percentile per-packet one-way delay: 80.914 ms  
Loss rate: 0.58%  
-- Flow 1:  
Average throughput: 7.02 Mbit/s  
95th percentile per-packet one-way delay: 80.914 ms  
Loss rate: 0.58%

Run 2: Report of KohoCC — Data Link

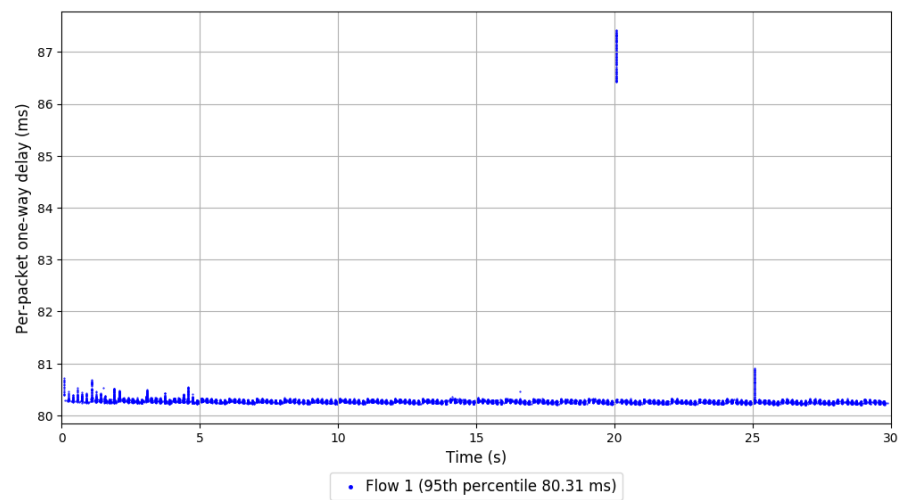
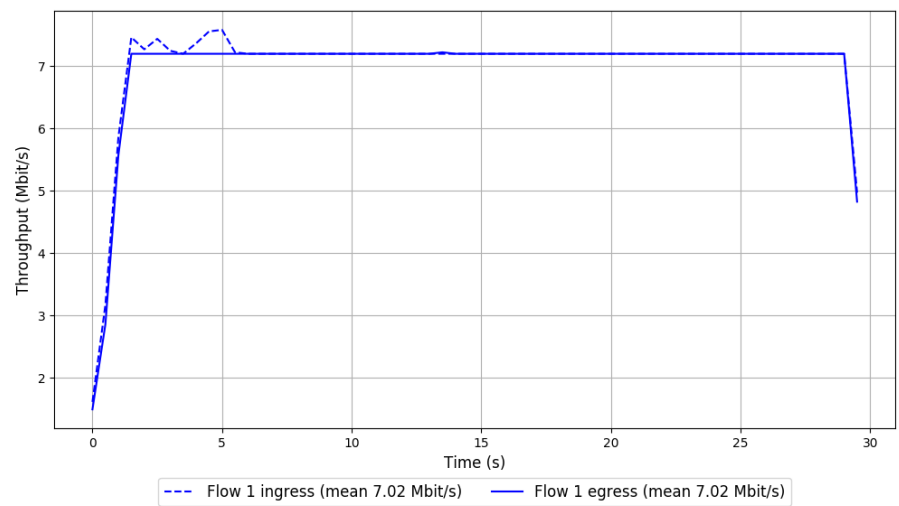


Run 3: Statistics of KohoCC

Start at: 2017-09-17 09:54:47  
End at: 2017-09-17 09:55:17  
Local clock offset: -10.152 ms  
Remote clock offset: -3.576 ms

# Below is generated by plot.py at 2017-09-17 16:22:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 7.02 Mbit/s  
95th percentile per-packet one-way delay: 80.313 ms  
Loss rate: 0.57%  
-- Flow 1:  
Average throughput: 7.02 Mbit/s  
95th percentile per-packet one-way delay: 80.313 ms  
Loss rate: 0.57%

Run 3: Report of KohoCC — Data Link

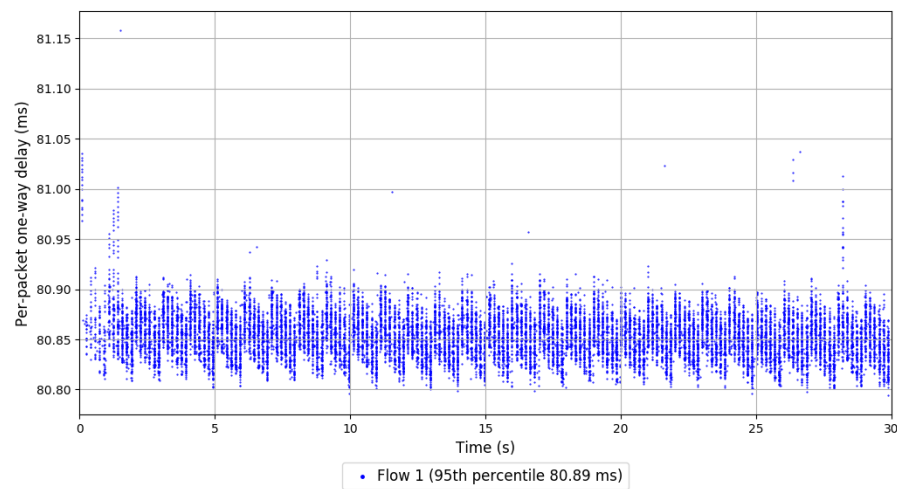
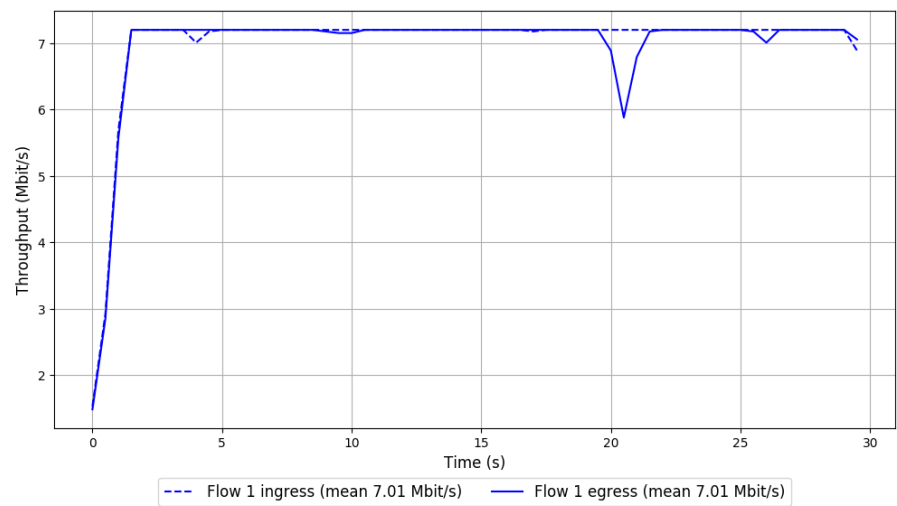


Run 4: Statistics of KohoCC

Start at: 2017-09-17 10:14:12  
End at: 2017-09-17 10:14:42  
Local clock offset: -8.853 ms  
Remote clock offset: -4.581 ms

# Below is generated by plot.py at 2017-09-17 16:22:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 7.01 Mbit/s  
95th percentile per-packet one-way delay: 80.890 ms  
Loss rate: 0.53%  
-- Flow 1:  
Average throughput: 7.01 Mbit/s  
95th percentile per-packet one-way delay: 80.890 ms  
Loss rate: 0.53%

Run 4: Report of KohoCC — Data Link

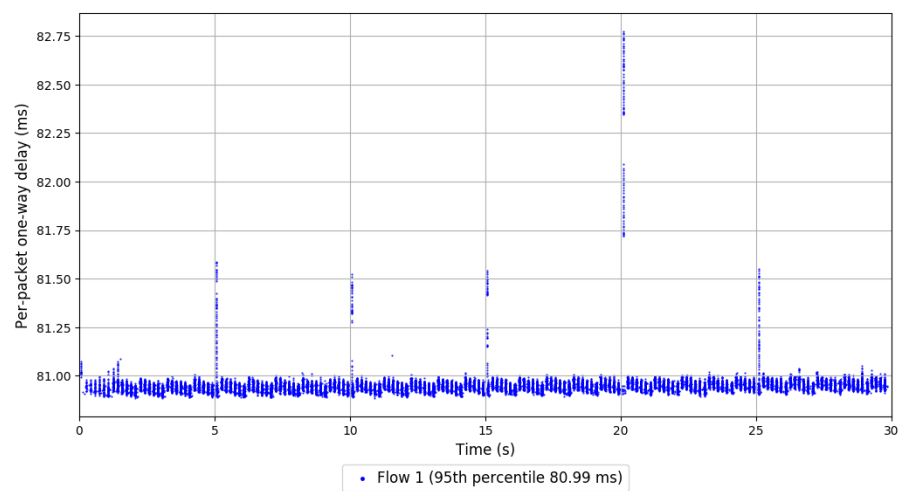
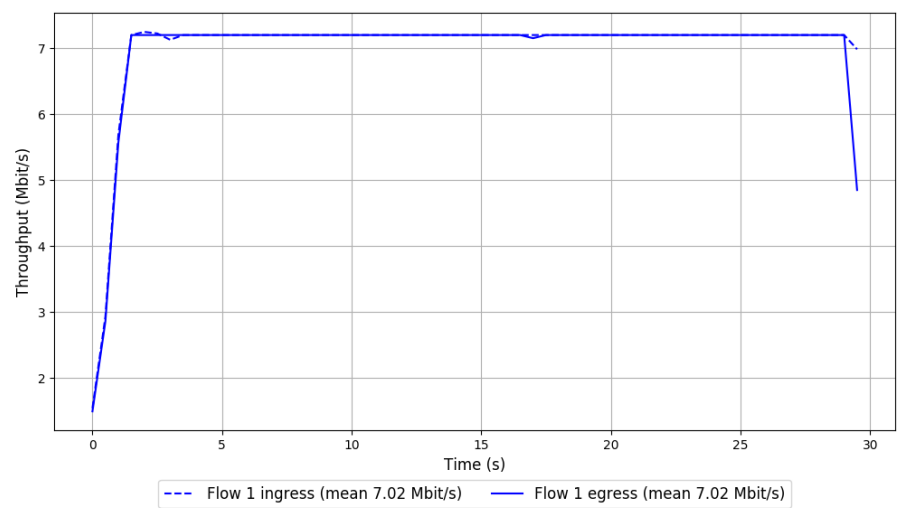


Run 5: Statistics of KohoCC

Start at: 2017-09-17 10:33:34  
End at: 2017-09-17 10:34:04  
Local clock offset: -9.046 ms  
Remote clock offset: -4.714 ms

# Below is generated by plot.py at 2017-09-17 16:22:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 7.02 Mbit/s  
95th percentile per-packet one-way delay: 80.986 ms  
Loss rate: 0.58%  
-- Flow 1:  
Average throughput: 7.02 Mbit/s  
95th percentile per-packet one-way delay: 80.986 ms  
Loss rate: 0.58%

Run 5: Report of KohoCC — Data Link

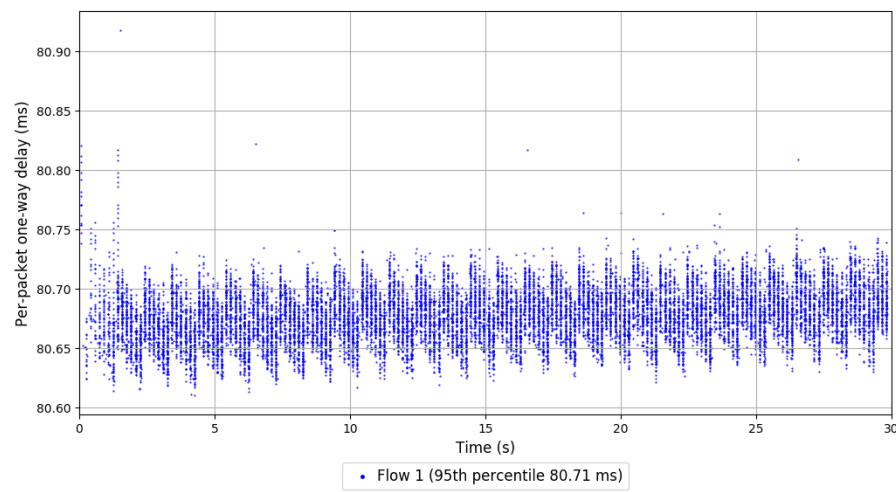
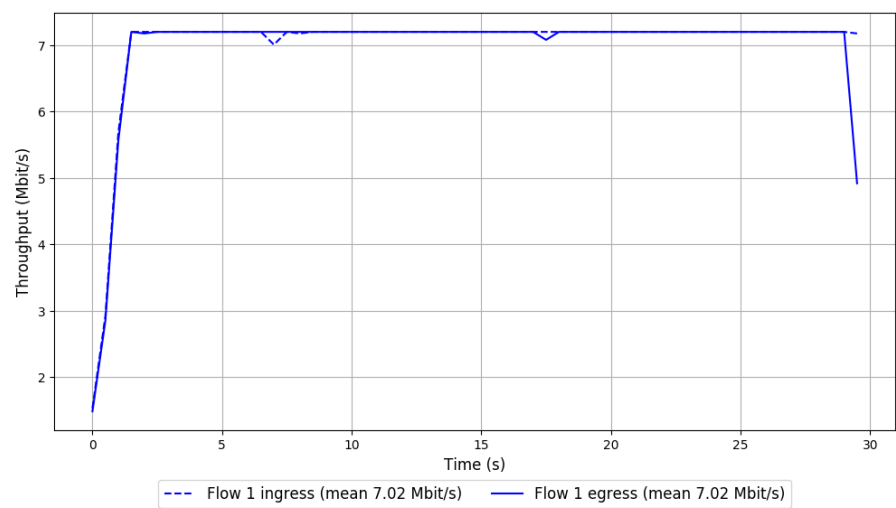


Run 6: Statistics of KohoCC

Start at: 2017-09-17 10:52:55  
End at: 2017-09-17 10:53:25  
Local clock offset: -9.938 ms  
Remote clock offset: -4.911 ms

# Below is generated by plot.py at 2017-09-17 16:22:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 7.02 Mbit/s  
95th percentile per-packet one-way delay: 80.714 ms  
Loss rate: 0.58%  
-- Flow 1:  
Average throughput: 7.02 Mbit/s  
95th percentile per-packet one-way delay: 80.714 ms  
Loss rate: 0.58%

Run 6: Report of KohoCC — Data Link

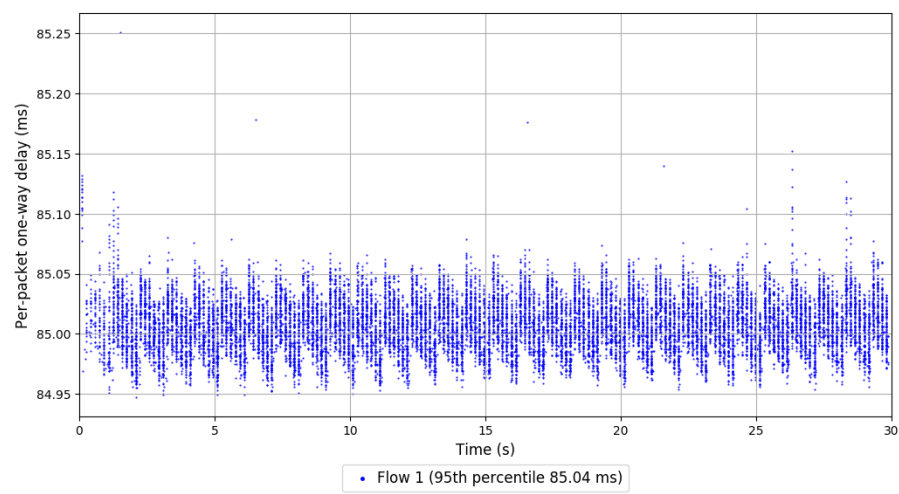
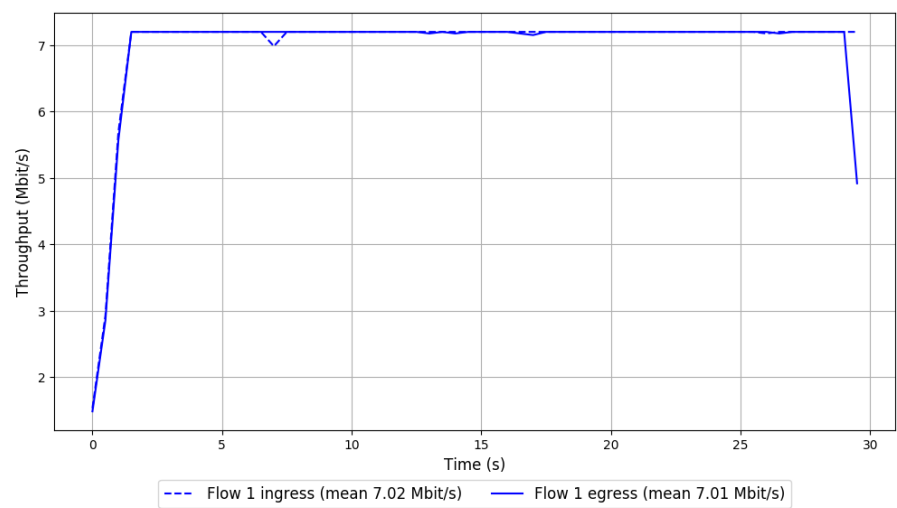


Run 7: Statistics of KohoCC

Start at: 2017-09-17 11:12:51  
End at: 2017-09-17 11:13:21  
Local clock offset: -10.555 ms  
Remote clock offset: -9.232 ms

# Below is generated by plot.py at 2017-09-17 16:22:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 7.01 Mbit/s  
95th percentile per-packet one-way delay: 85.044 ms  
Loss rate: 0.58%  
-- Flow 1:  
Average throughput: 7.01 Mbit/s  
95th percentile per-packet one-way delay: 85.044 ms  
Loss rate: 0.58%

Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

Start at: 2017-09-17 11:31:29

End at: 2017-09-17 11:31:59

Local clock offset: -10.441 ms

# Below is generated by plot.py at 2017-09-17 16:22:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 7.02 Mbit/s

95th percentile per-packet one-way delay: 86.977 ms

Loss rate: 0.57%

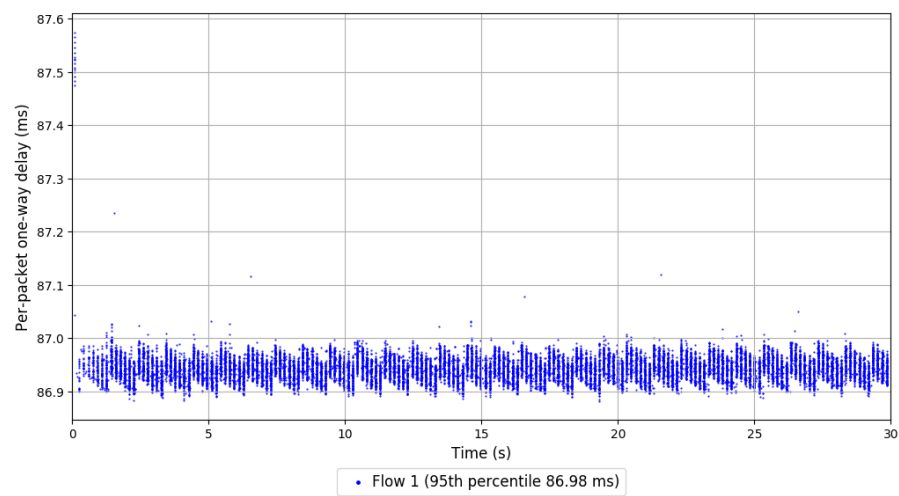
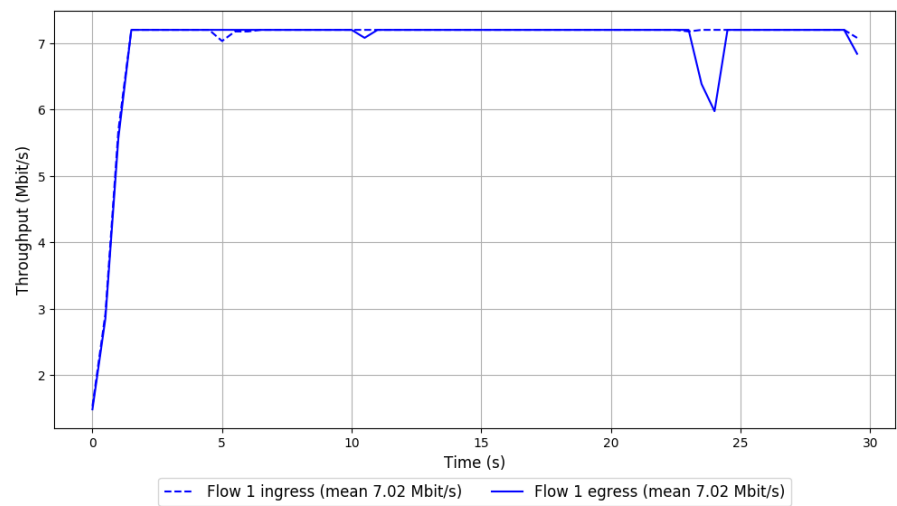
-- Flow 1:

Average throughput: 7.02 Mbit/s

95th percentile per-packet one-way delay: 86.977 ms

Loss rate: 0.57%

Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: 2017-09-17 11:48:53

End at: 2017-09-17 11:49:23

Local clock offset: -10.166 ms

# Below is generated by plot.py at 2017-09-17 16:22:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 7.02 Mbit/s

95th percentile per-packet one-way delay: 86.978 ms

Loss rate: 0.58%

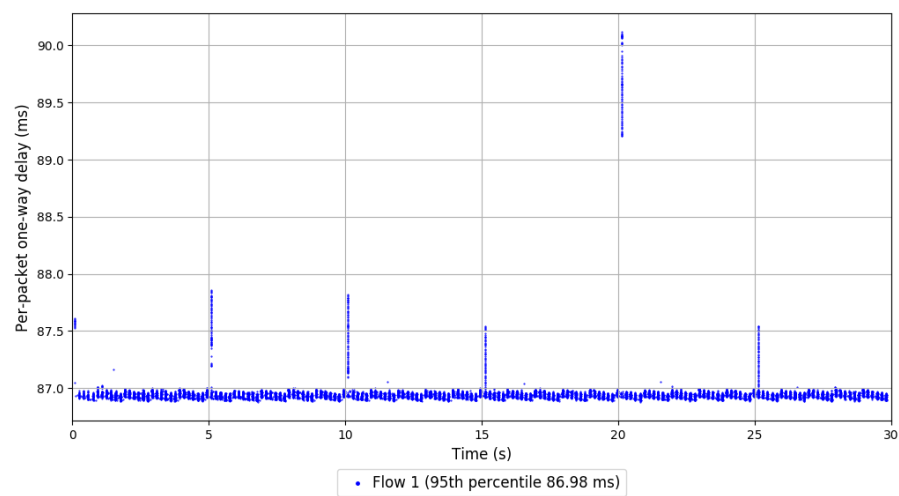
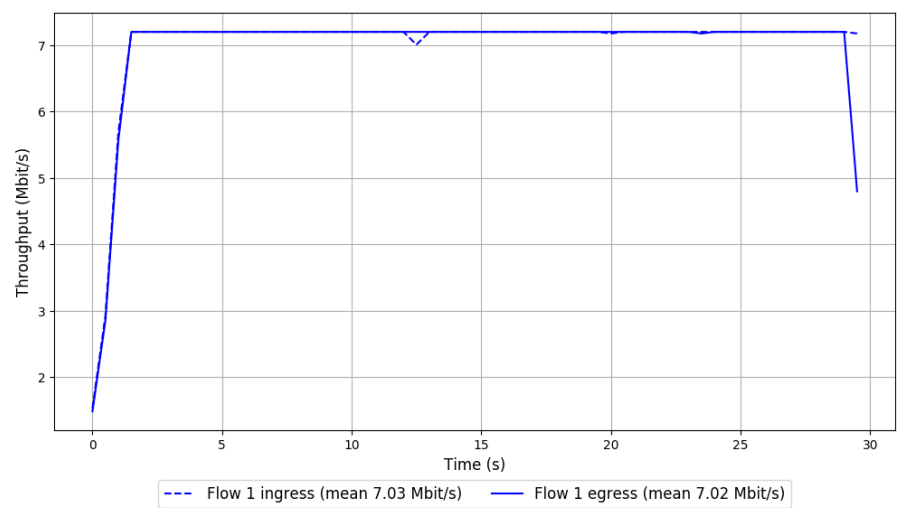
-- Flow 1:

Average throughput: 7.02 Mbit/s

95th percentile per-packet one-way delay: 86.978 ms

Loss rate: 0.58%

Run 9: Report of KohoCC — Data Link

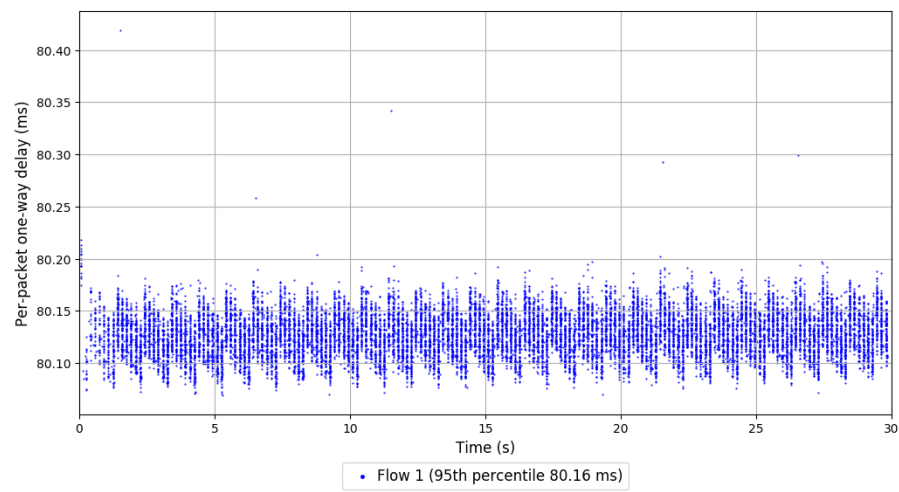
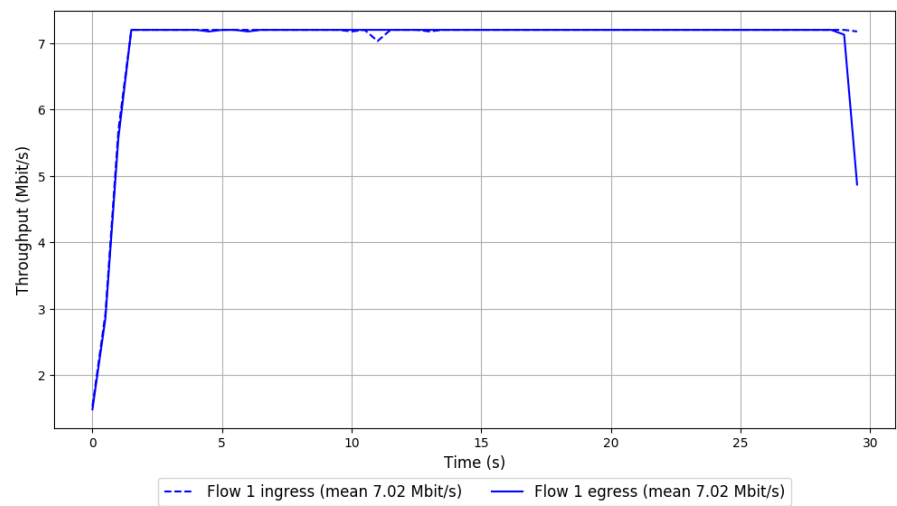


Run 10: Statistics of KohoCC

Start at: 2017-09-17 12:08:24  
End at: 2017-09-17 12:08:54  
Local clock offset: -9.958 ms  
Remote clock offset: -3.012 ms

# Below is generated by plot.py at 2017-09-17 16:22:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 7.02 Mbit/s  
95th percentile per-packet one-way delay: 80.162 ms  
Loss rate: 0.58%  
-- Flow 1:  
Average throughput: 7.02 Mbit/s  
95th percentile per-packet one-way delay: 80.162 ms  
Loss rate: 0.58%

Run 10: Report of KohoCC — Data Link

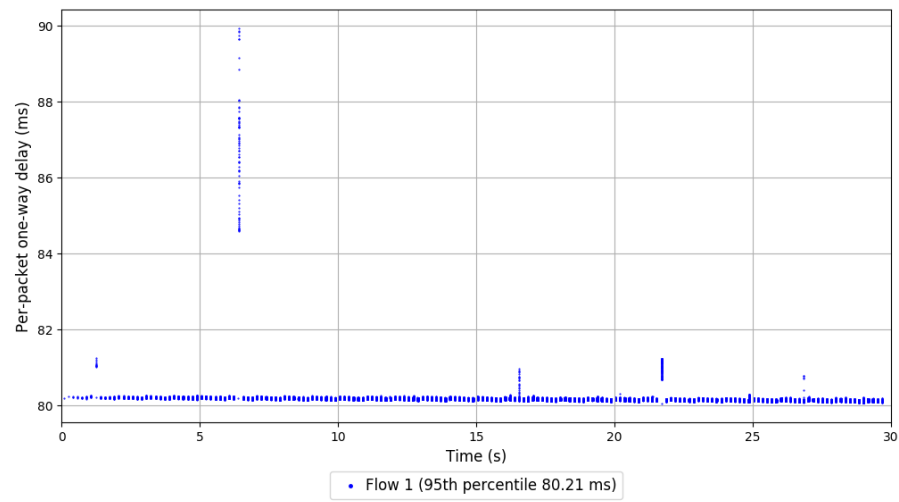
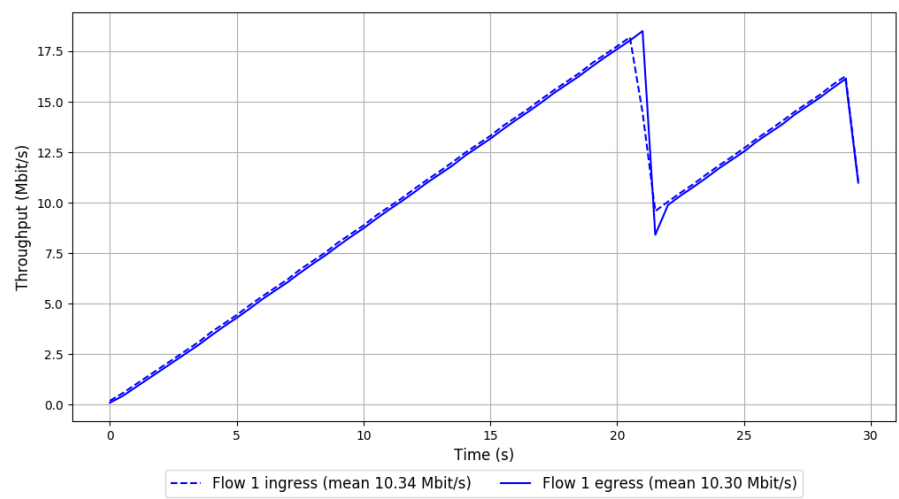


Run 1: Statistics of LEDBAT

Start at: 2017-09-17 09:20:50  
End at: 2017-09-17 09:21:20  
Local clock offset: -10.006 ms  
Remote clock offset: -3.512 ms

# Below is generated by plot.py at 2017-09-17 16:22:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 10.30 Mbit/s  
95th percentile per-packet one-way delay: 80.210 ms  
Loss rate: 0.91%  
-- Flow 1:  
Average throughput: 10.30 Mbit/s  
95th percentile per-packet one-way delay: 80.210 ms  
Loss rate: 0.91%

Run 1: Report of LEDBAT — Data Link

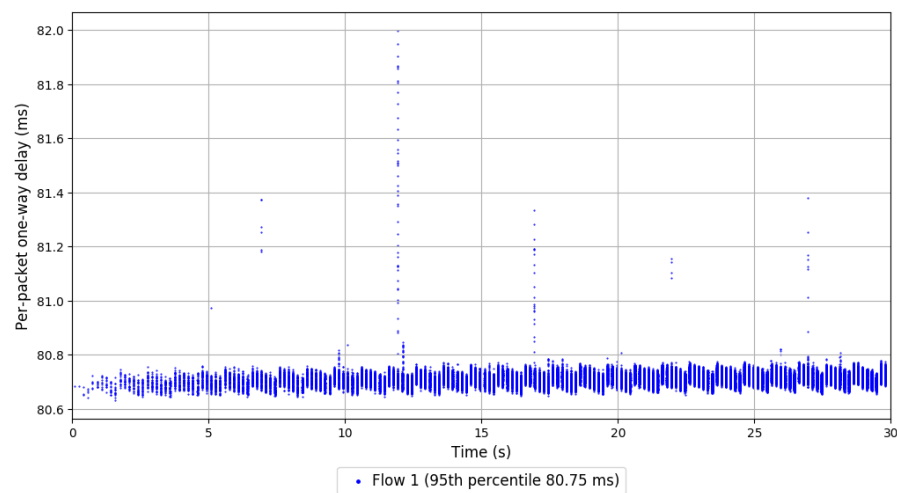
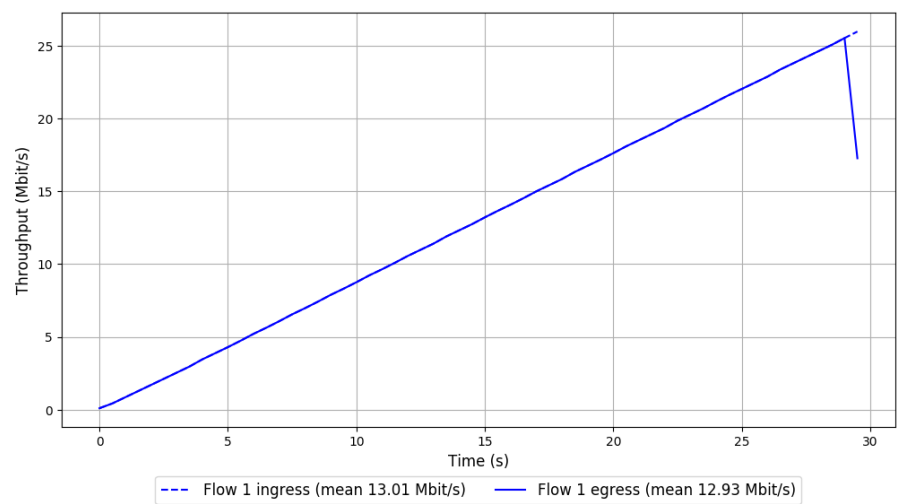


Run 2: Statistics of LEDBAT

Start at: 2017-09-17 09:40:09  
End at: 2017-09-17 09:40:39  
Local clock offset: -10.331 ms  
Remote clock offset: -3.861 ms

# Below is generated by plot.py at 2017-09-17 16:22:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.93 Mbit/s  
95th percentile per-packet one-way delay: 80.749 ms  
Loss rate: 1.12%  
-- Flow 1:  
Average throughput: 12.93 Mbit/s  
95th percentile per-packet one-way delay: 80.749 ms  
Loss rate: 1.12%

Run 2: Report of LEDBAT — Data Link

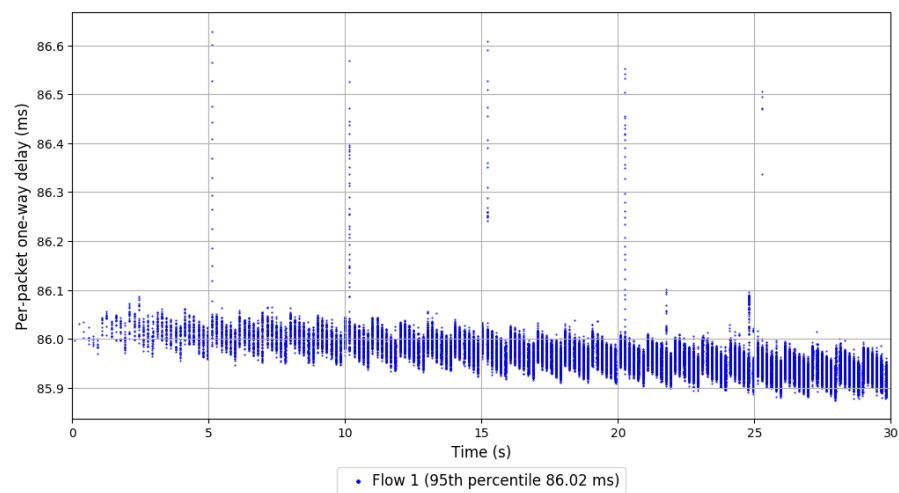
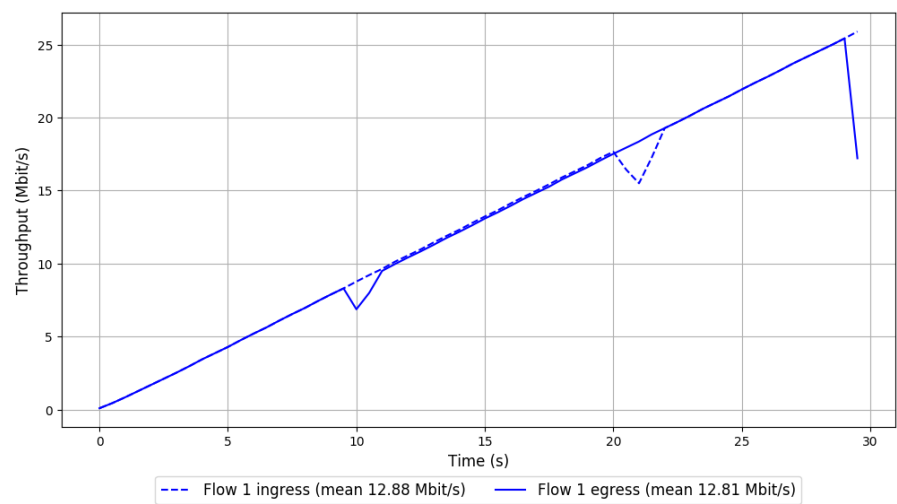


Run 3: Statistics of LEDBAT

Start at: 2017-09-17 09:59:37  
End at: 2017-09-17 10:00:07  
Local clock offset: -9.958 ms  
Remote clock offset: -9.292 ms

# Below is generated by plot.py at 2017-09-17 16:22:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.81 Mbit/s  
95th percentile per-packet one-way delay: 86.017 ms  
Loss rate: 1.13%  
-- Flow 1:  
Average throughput: 12.81 Mbit/s  
95th percentile per-packet one-way delay: 86.017 ms  
Loss rate: 1.13%

Run 3: Report of LEDBAT — Data Link

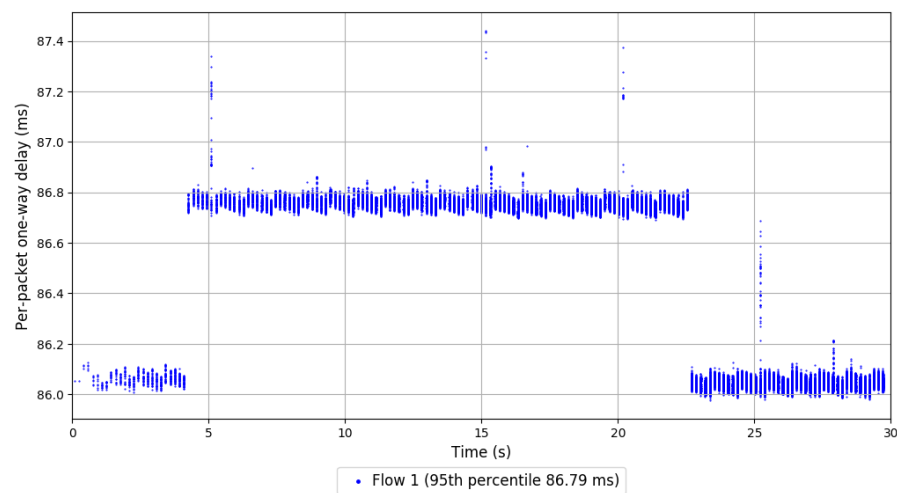
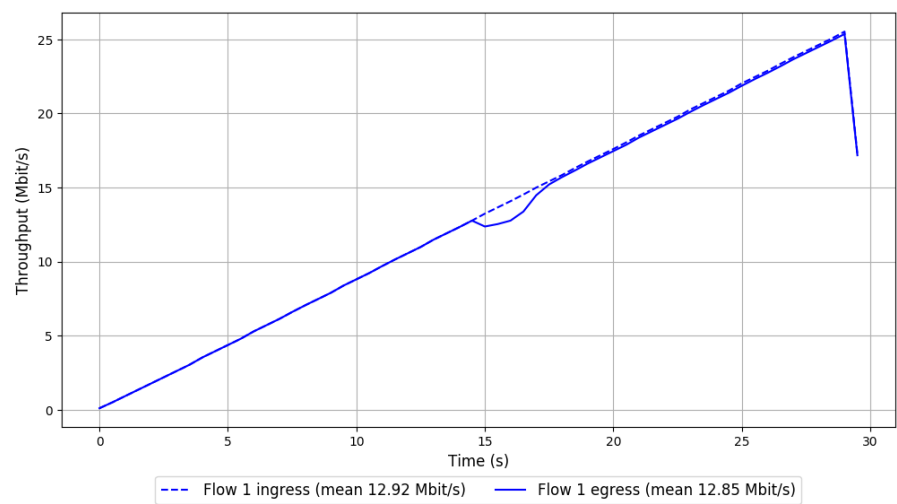


Run 4: Statistics of LEDBAT

Start at: 2017-09-17 10:19:04  
End at: 2017-09-17 10:19:34  
Local clock offset: -8.817 ms  
Remote clock offset: -9.577 ms

# Below is generated by plot.py at 2017-09-17 16:22:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.85 Mbit/s  
95th percentile per-packet one-way delay: 86.787 ms  
Loss rate: 1.12%  
-- Flow 1:  
Average throughput: 12.85 Mbit/s  
95th percentile per-packet one-way delay: 86.787 ms  
Loss rate: 1.12%

Run 4: Report of LEDBAT — Data Link

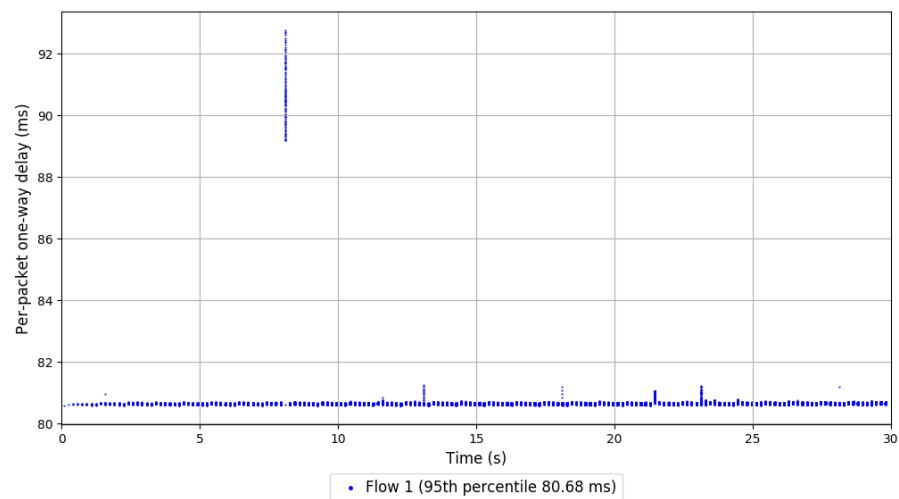
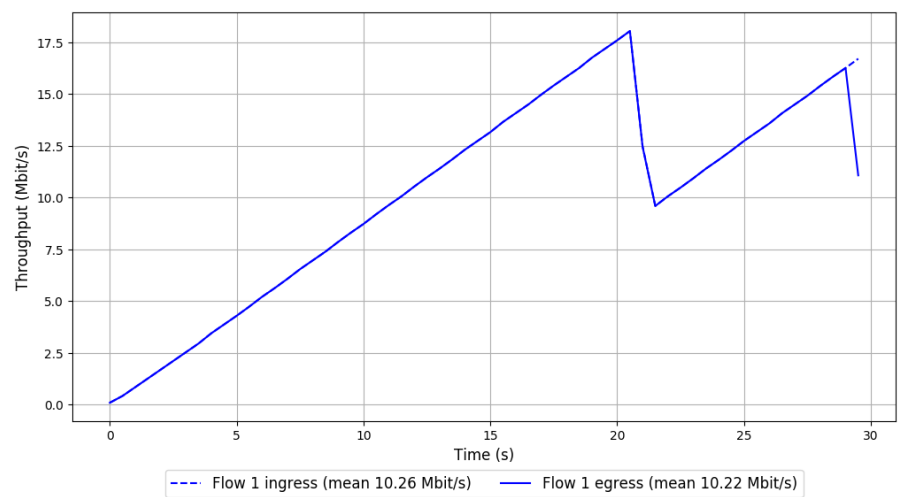


Run 5: Statistics of LEDBAT

Start at: 2017-09-17 10:38:23  
End at: 2017-09-17 10:38:53  
Local clock offset: -9.326 ms  
Remote clock offset: -4.338 ms

# Below is generated by plot.py at 2017-09-17 16:22:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 10.22 Mbit/s  
95th percentile per-packet one-way delay: 80.683 ms  
Loss rate: 0.92%  
-- Flow 1:  
Average throughput: 10.22 Mbit/s  
95th percentile per-packet one-way delay: 80.683 ms  
Loss rate: 0.92%

Run 5: Report of LEDBAT — Data Link

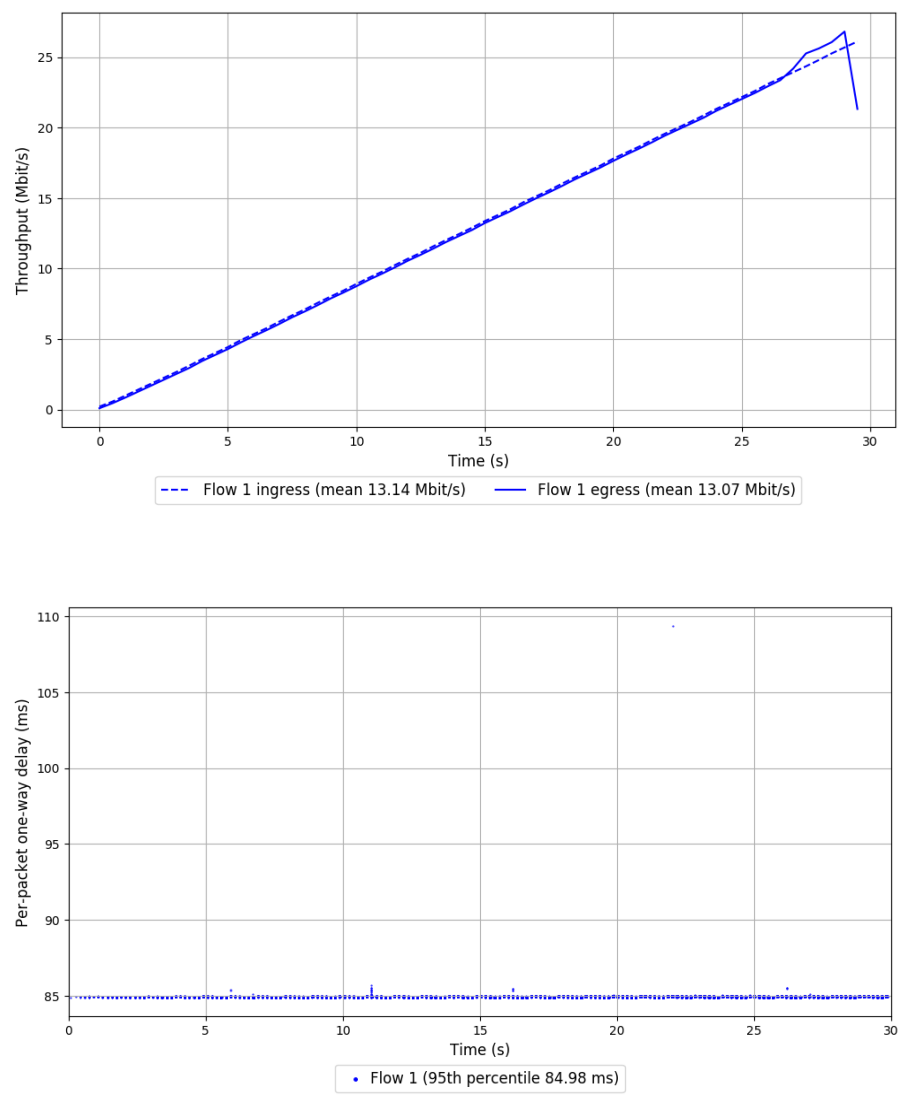


Run 6: Statistics of LEDBAT

Start at: 2017-09-17 10:57:45  
End at: 2017-09-17 10:58:15  
Local clock offset: -10.044 ms  
Remote clock offset: -9.305 ms

# Below is generated by plot.py at 2017-09-17 16:22:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 13.07 Mbit/s  
95th percentile per-packet one-way delay: 84.979 ms  
Loss rate: 1.11%  
-- Flow 1:  
Average throughput: 13.07 Mbit/s  
95th percentile per-packet one-way delay: 84.979 ms  
Loss rate: 1.11%

Run 6: Report of LEDBAT — Data Link

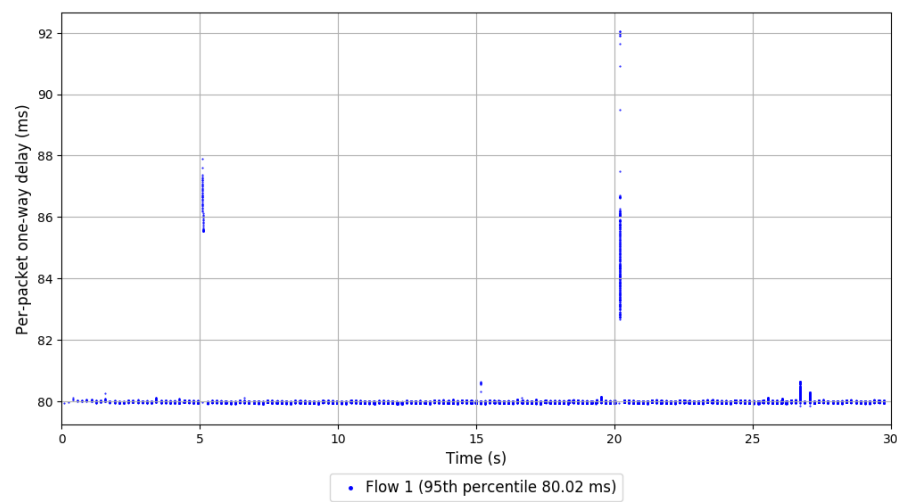
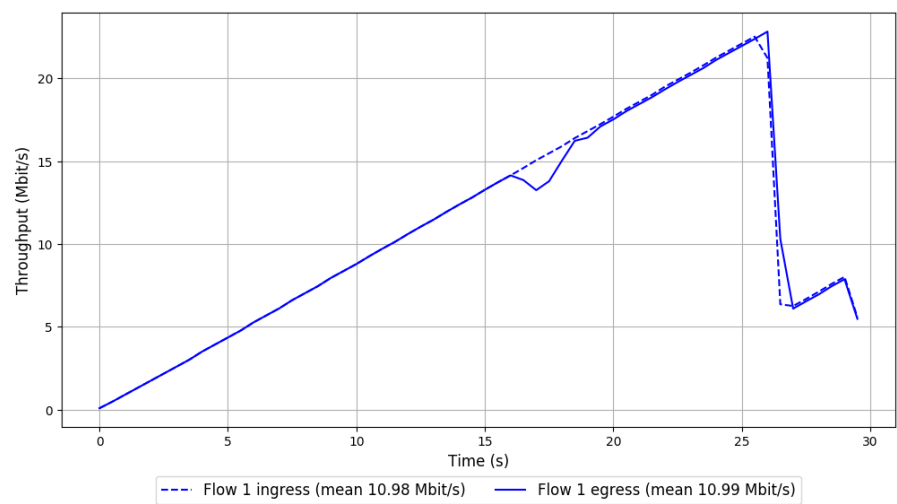


Run 7: Statistics of LEDBAT

Start at: 2017-09-17 11:17:45  
End at: 2017-09-17 11:18:15  
Local clock offset: -10.529 ms  
Remote clock offset: -3.789 ms

# Below is generated by plot.py at 2017-09-17 16:22:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 10.99 Mbit/s  
95th percentile per-packet one-way delay: 80.021 ms  
Loss rate: 0.44%  
-- Flow 1:  
Average throughput: 10.99 Mbit/s  
95th percentile per-packet one-way delay: 80.021 ms  
Loss rate: 0.44%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2017-09-17 11:35:29

End at: 2017-09-17 11:35:59

Local clock offset: -10.316 ms

# Below is generated by plot.py at 2017-09-17 16:22:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 12.93 Mbit/s

95th percentile per-packet one-way delay: 86.775 ms

Loss rate: 1.12%

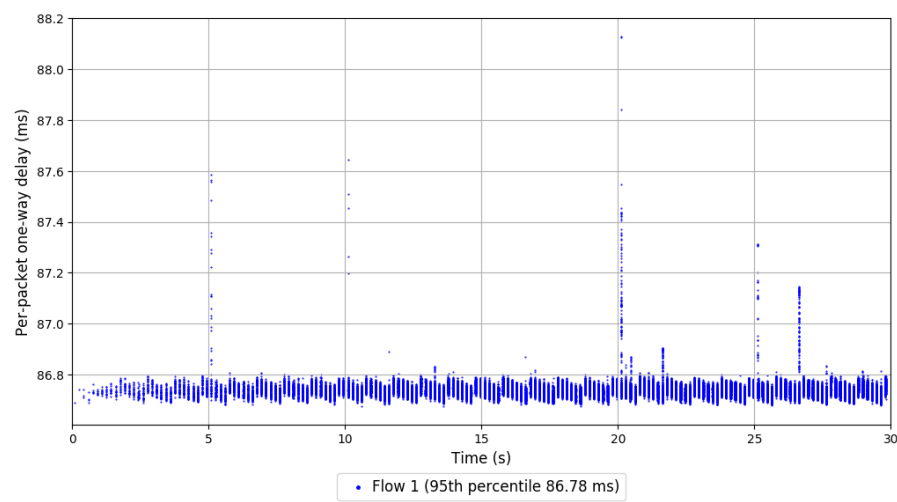
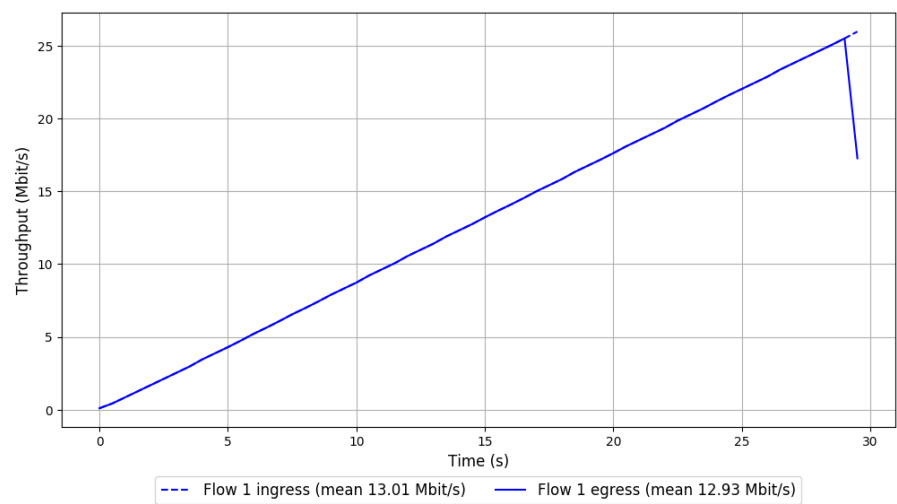
-- Flow 1:

Average throughput: 12.93 Mbit/s

95th percentile per-packet one-way delay: 86.775 ms

Loss rate: 1.12%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2017-09-17 11:52:59

End at: 2017-09-17 11:53:29

Local clock offset: -10.109 ms

# Below is generated by plot.py at 2017-09-17 16:22:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 8.89 Mbit/s

95th percentile per-packet one-way delay: 86.647 ms

Loss rate: 0.81%

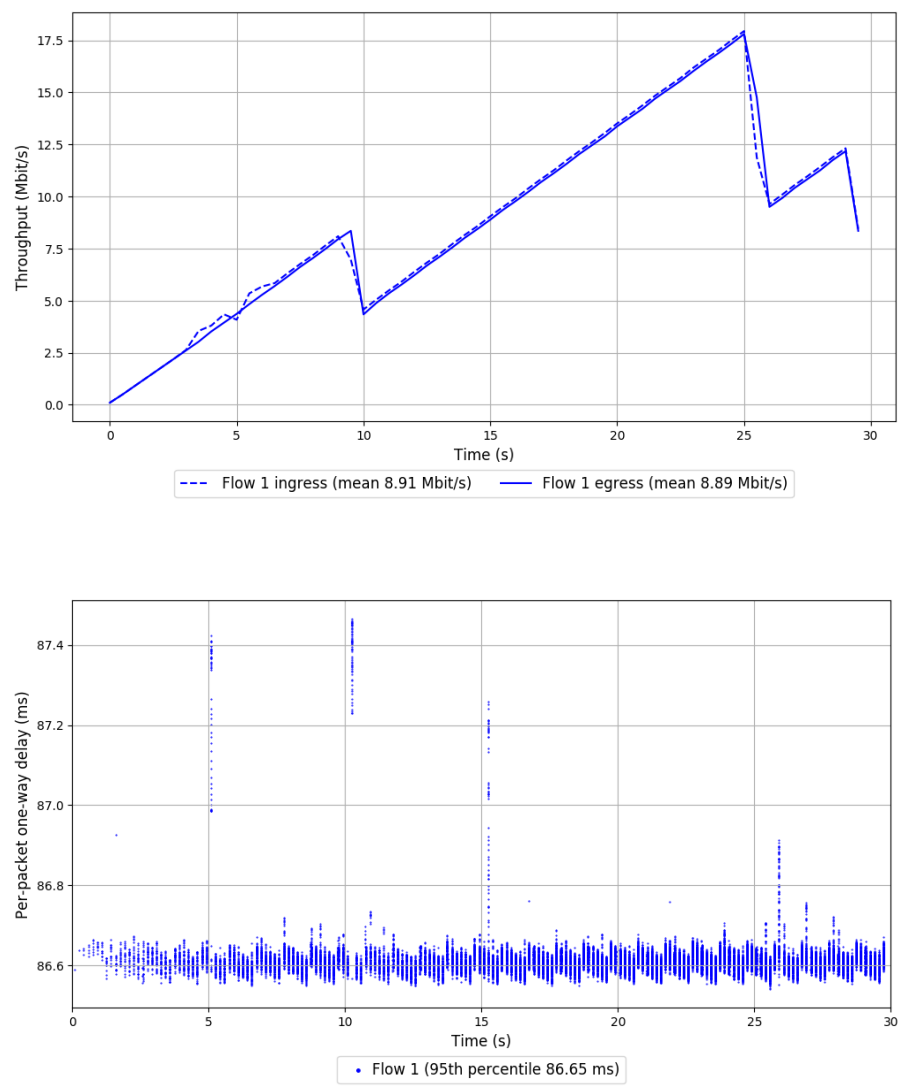
-- Flow 1:

Average throughput: 8.89 Mbit/s

95th percentile per-packet one-way delay: 86.647 ms

Loss rate: 0.81%

Run 9: Report of LEDBAT — Data Link

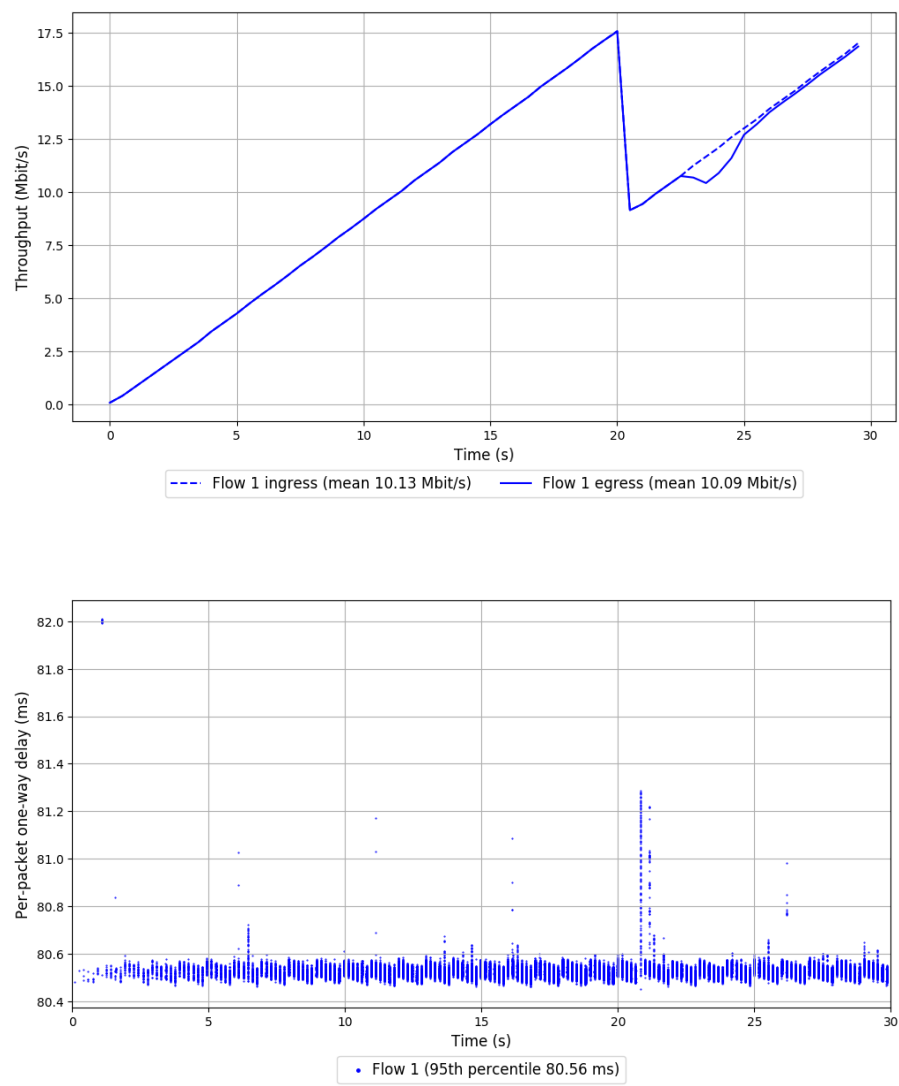


Run 10: Statistics of LEDBAT

Start at: 2017-09-17 12:13:16  
End at: 2017-09-17 12:13:46  
Local clock offset: -9.981 ms  
Remote clock offset: -3.163 ms

# Below is generated by plot.py at 2017-09-17 16:22:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 10.09 Mbit/s  
95th percentile per-packet one-way delay: 80.564 ms  
Loss rate: 0.95%  
-- Flow 1:  
Average throughput: 10.09 Mbit/s  
95th percentile per-packet one-way delay: 80.564 ms  
Loss rate: 0.95%

Run 10: Report of LEDBAT — Data Link

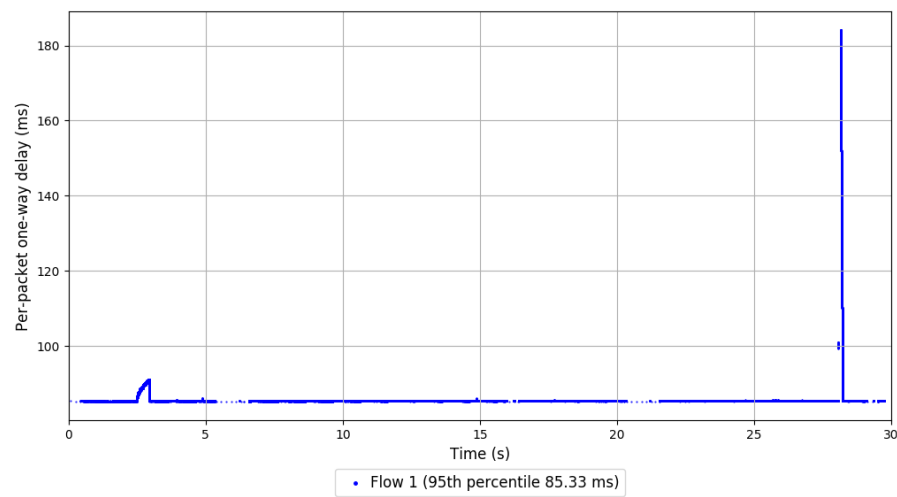
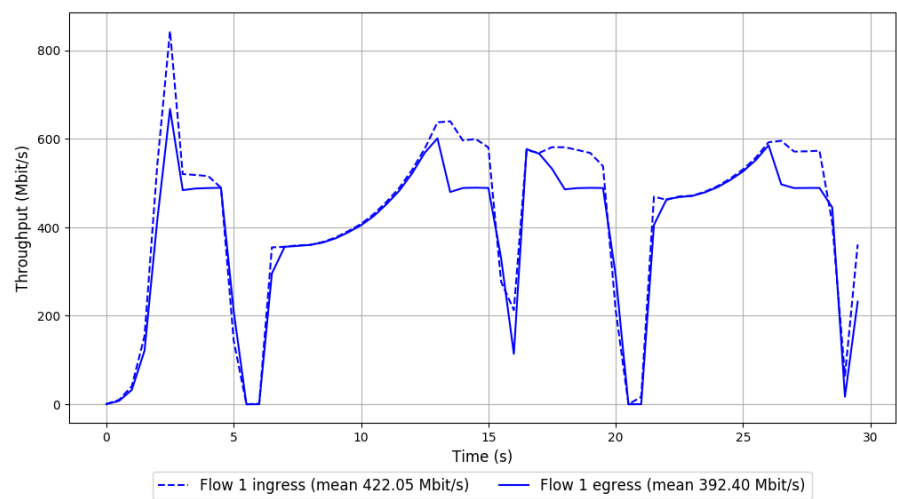


Run 1: Statistics of PCC

Start at: 2017-09-17 09:13:08  
End at: 2017-09-17 09:13:38  
Local clock offset: -9.715 ms  
Remote clock offset: -7.543 ms

# Below is generated by plot.py at 2017-09-17 16:26:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 392.40 Mbit/s  
95th percentile per-packet one-way delay: 85.327 ms  
Loss rate: 7.54%  
-- Flow 1:  
Average throughput: 392.40 Mbit/s  
95th percentile per-packet one-way delay: 85.327 ms  
Loss rate: 7.54%

Run 1: Report of PCC — Data Link

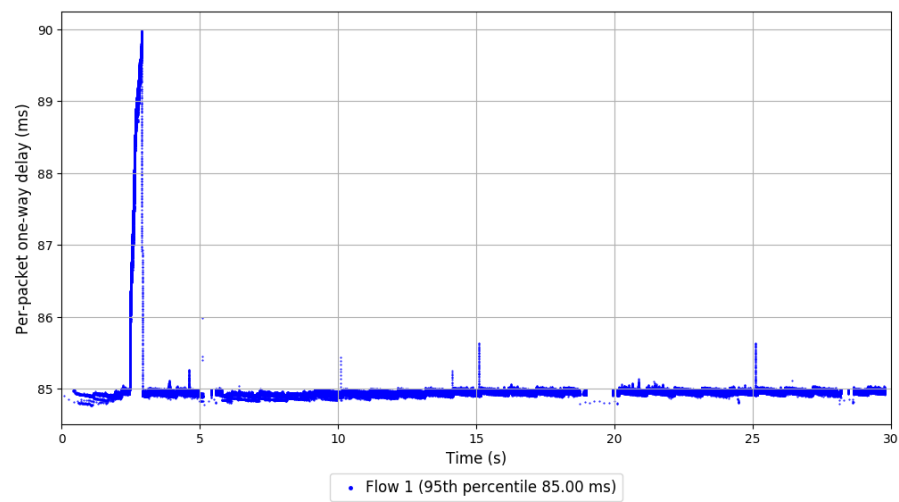
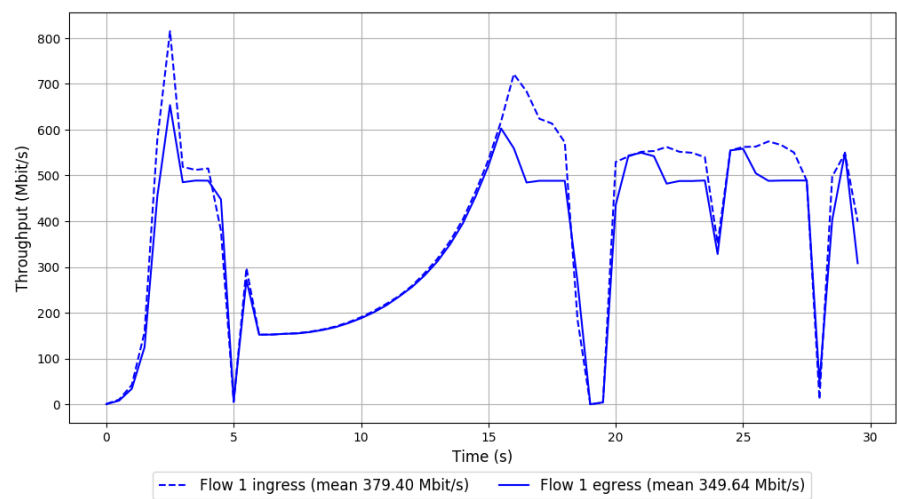


Run 2: Statistics of PCC

Start at: 2017-09-17 09:32:32  
End at: 2017-09-17 09:33:02  
Local clock offset: -9.96 ms  
Remote clock offset: -8.119 ms

# Below is generated by plot.py at 2017-09-17 16:26:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 349.64 Mbit/s  
95th percentile per-packet one-way delay: 84.998 ms  
Loss rate: 8.36%  
-- Flow 1:  
Average throughput: 349.64 Mbit/s  
95th percentile per-packet one-way delay: 84.998 ms  
Loss rate: 8.36%

Run 2: Report of PCC — Data Link

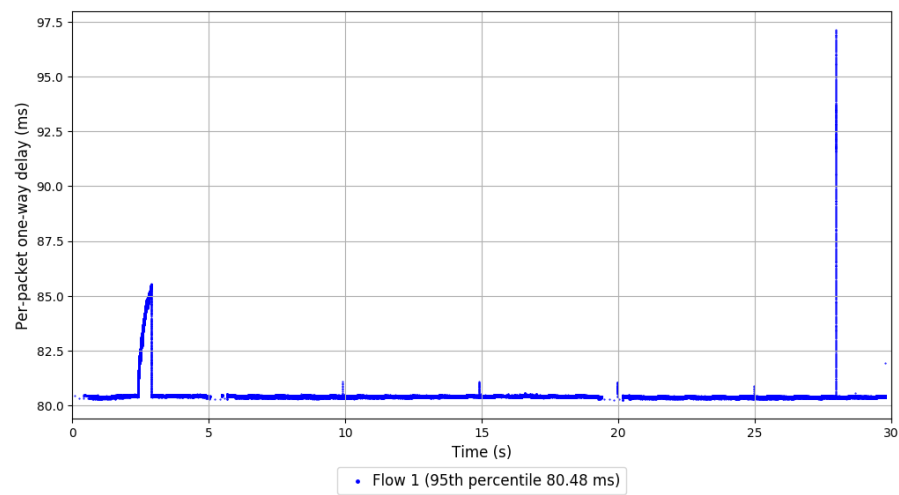
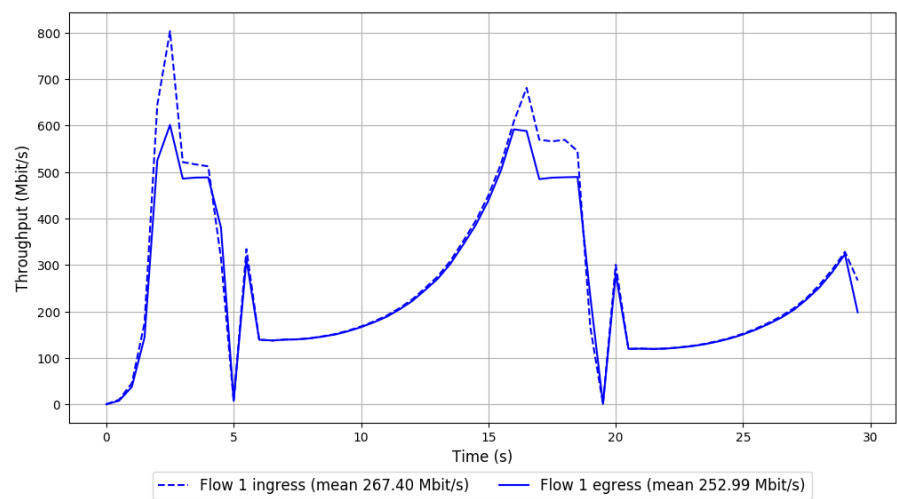


Run 3: Statistics of PCC

Start at: 2017-09-17 09:51:58  
End at: 2017-09-17 09:52:28  
Local clock offset: -10.366 ms  
Remote clock offset: -3.893 ms

# Below is generated by plot.py at 2017-09-17 16:26:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 252.99 Mbit/s  
95th percentile per-packet one-way delay: 80.484 ms  
Loss rate: 5.91%  
-- Flow 1:  
Average throughput: 252.99 Mbit/s  
95th percentile per-packet one-way delay: 80.484 ms  
Loss rate: 5.91%

Run 3: Report of PCC — Data Link

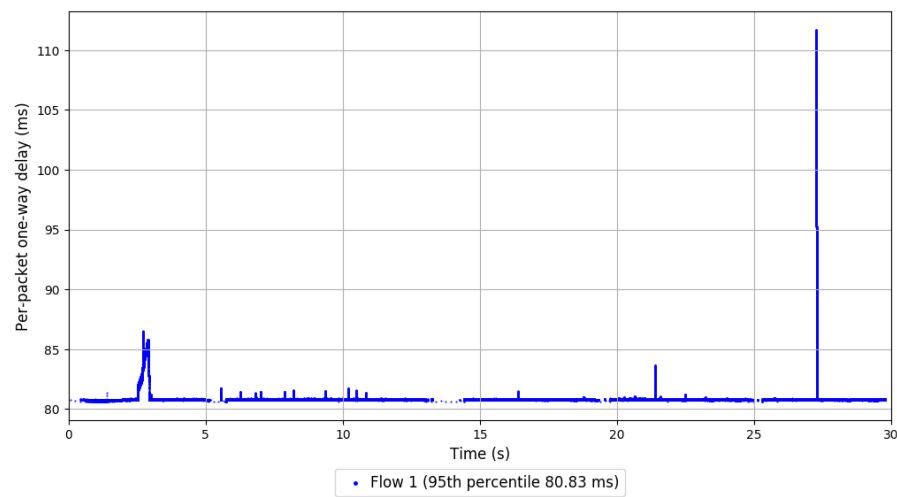
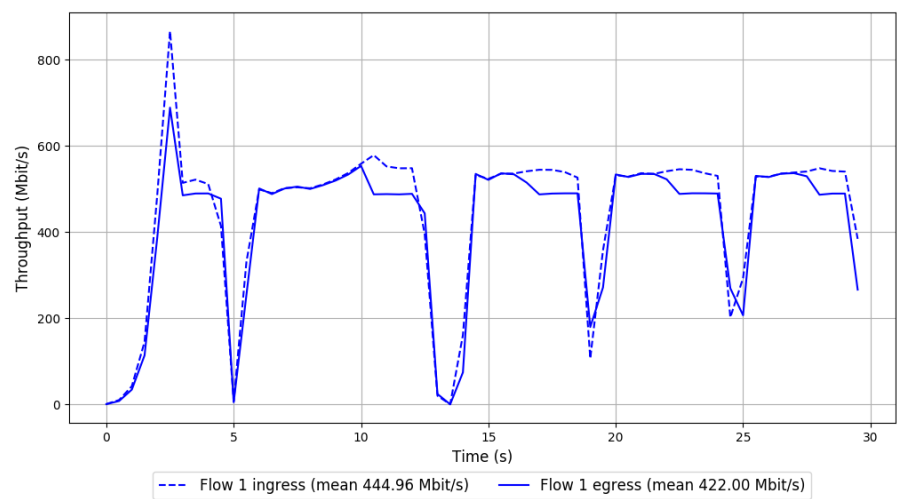


Run 4: Statistics of PCC

Start at: 2017-09-17 10:11:24  
End at: 2017-09-17 10:11:54  
Local clock offset: -8.916 ms  
Remote clock offset: -4.164 ms

# Below is generated by plot.py at 2017-09-17 16:27:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 422.00 Mbit/s  
95th percentile per-packet one-way delay: 80.833 ms  
Loss rate: 5.69%  
-- Flow 1:  
Average throughput: 422.00 Mbit/s  
95th percentile per-packet one-way delay: 80.833 ms  
Loss rate: 5.69%

Run 4: Report of PCC — Data Link

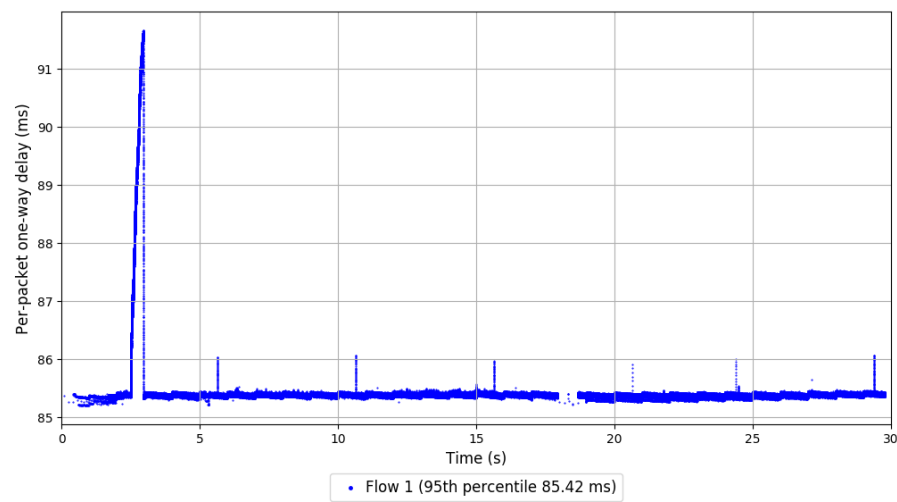
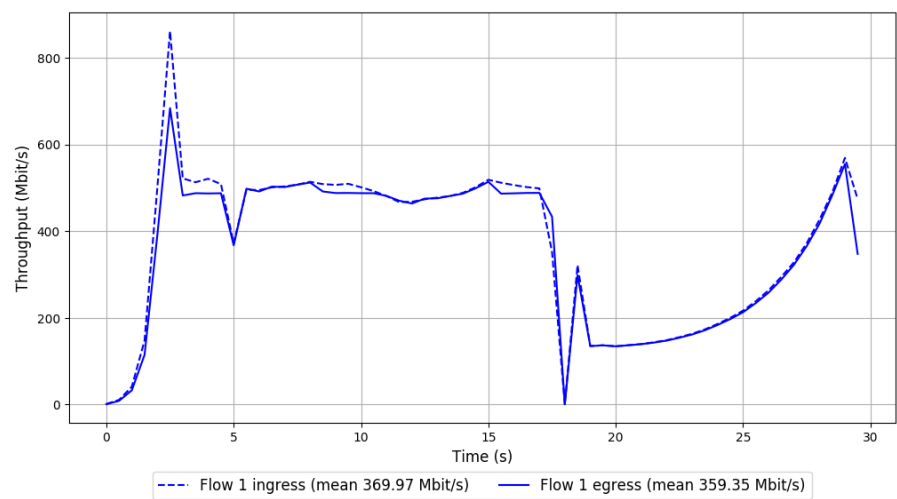


Run 5: Statistics of PCC

Start at: 2017-09-17 10:30:49  
End at: 2017-09-17 10:31:19  
Local clock offset: -8.987 ms  
Remote clock offset: -8.945 ms

# Below is generated by plot.py at 2017-09-17 16:27:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 359.35 Mbit/s  
95th percentile per-packet one-way delay: 85.420 ms  
Loss rate: 3.41%  
-- Flow 1:  
Average throughput: 359.35 Mbit/s  
95th percentile per-packet one-way delay: 85.420 ms  
Loss rate: 3.41%

Run 5: Report of PCC — Data Link

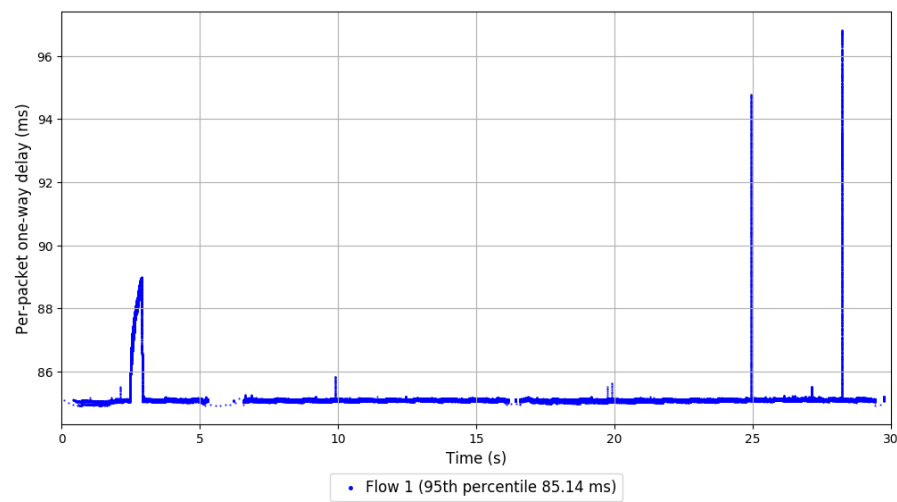
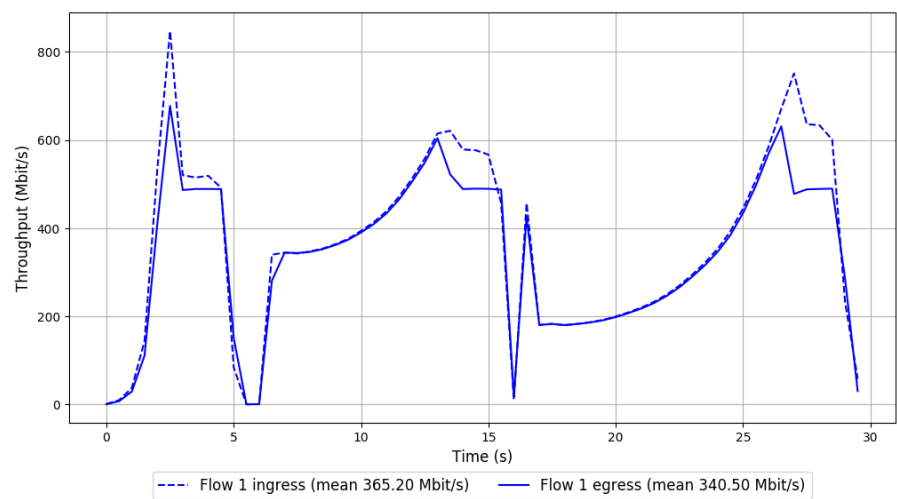


Run 6: Statistics of PCC

Start at: 2017-09-17 10:50:07  
End at: 2017-09-17 10:50:37  
Local clock offset: -9.883 ms  
Remote clock offset: -9.108 ms

# Below is generated by plot.py at 2017-09-17 16:27:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 340.50 Mbit/s  
95th percentile per-packet one-way delay: 85.136 ms  
Loss rate: 7.30%  
-- Flow 1:  
Average throughput: 340.50 Mbit/s  
95th percentile per-packet one-way delay: 85.136 ms  
Loss rate: 7.30%

Run 6: Report of PCC — Data Link

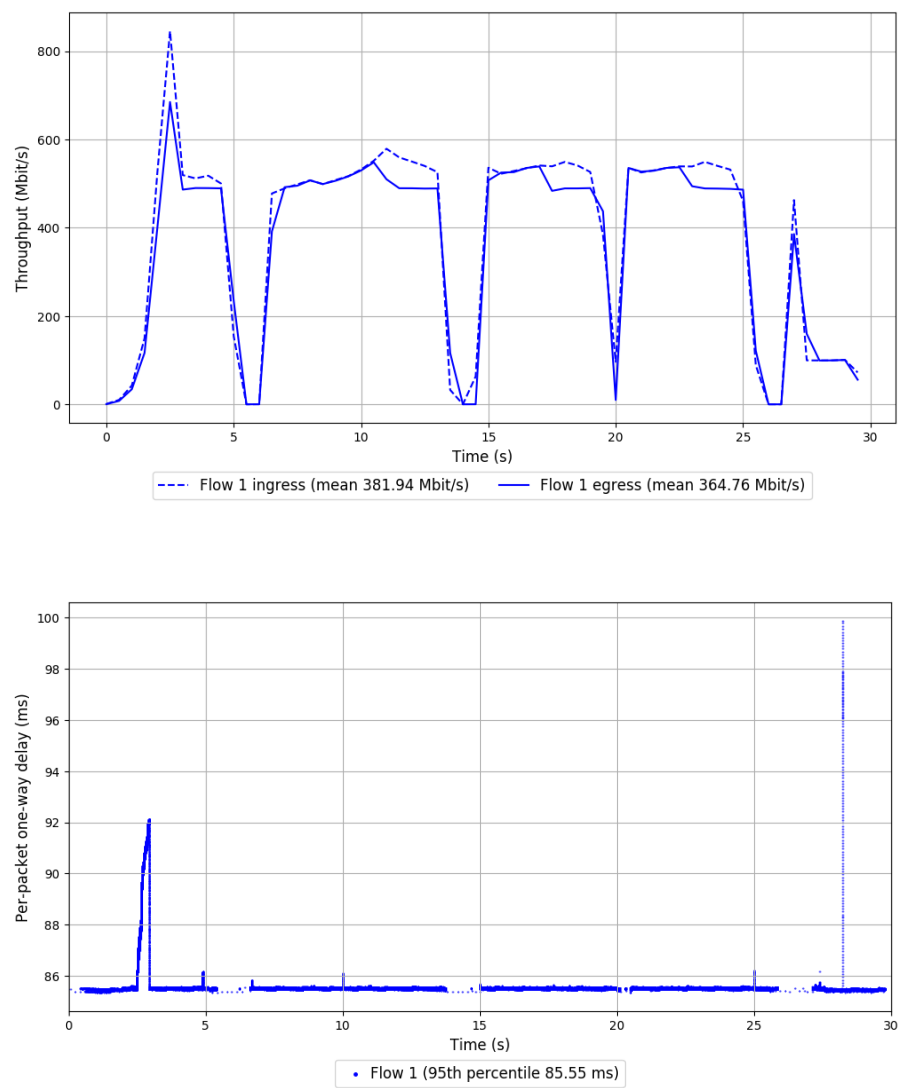


Run 7: Statistics of PCC

Start at: 2017-09-17 11:09:55  
End at: 2017-09-17 11:10:25  
Local clock offset: -10.562 ms  
Remote clock offset: -9.379 ms

# Below is generated by plot.py at 2017-09-17 16:27:22  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 364.76 Mbit/s  
95th percentile per-packet one-way delay: 85.545 ms  
Loss rate: 5.03%  
-- Flow 1:  
Average throughput: 364.76 Mbit/s  
95th percentile per-packet one-way delay: 85.545 ms  
Loss rate: 5.03%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2017-09-17 11:29:04

End at: 2017-09-17 11:29:34

Local clock offset: -10.444 ms

# Below is generated by plot.py at 2017-09-17 16:27:22

# Datalink statistics

-- Total of 1 flow:

Average throughput: 319.49 Mbit/s

95th percentile per-packet one-way delay: 86.361 ms

Loss rate: 5.44%

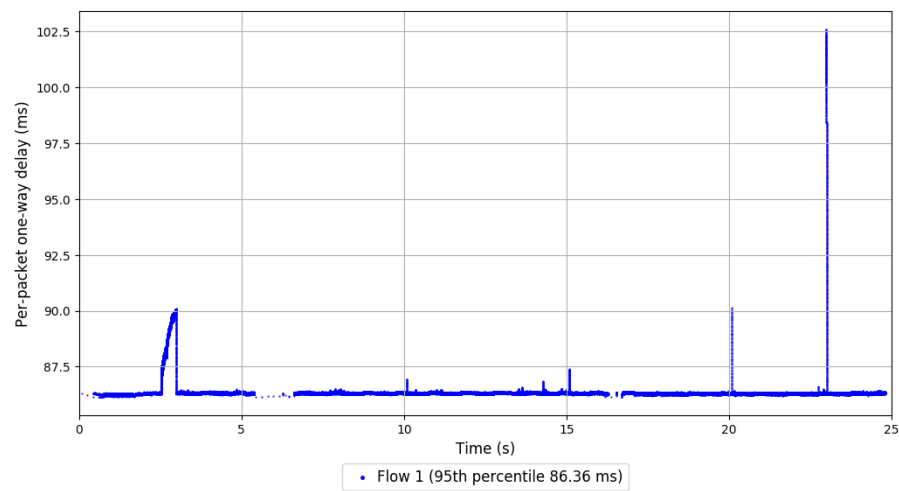
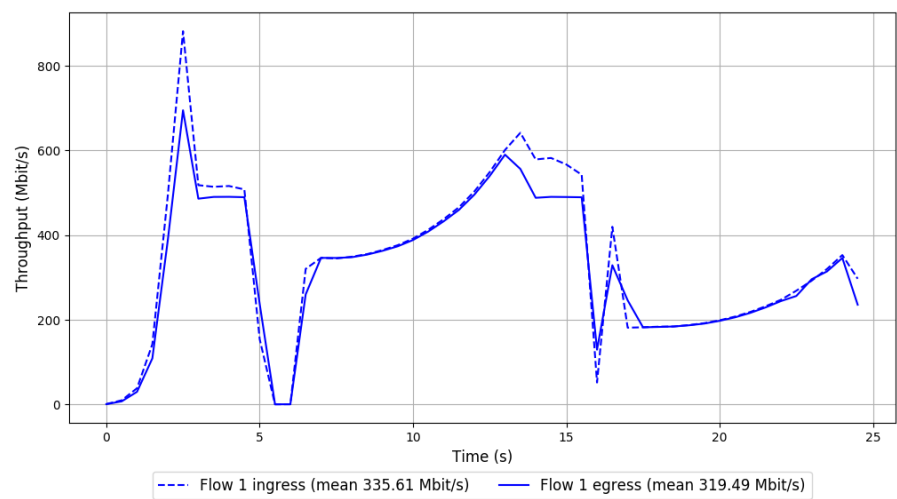
-- Flow 1:

Average throughput: 319.49 Mbit/s

95th percentile per-packet one-way delay: 86.361 ms

Loss rate: 5.44%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2017-09-17 11:46:03

End at: 2017-09-17 11:46:33

Local clock offset: -10.253 ms

# Below is generated by plot.py at 2017-09-17 16:29:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 362.79 Mbit/s

95th percentile per-packet one-way delay: 86.802 ms

Loss rate: 5.34%

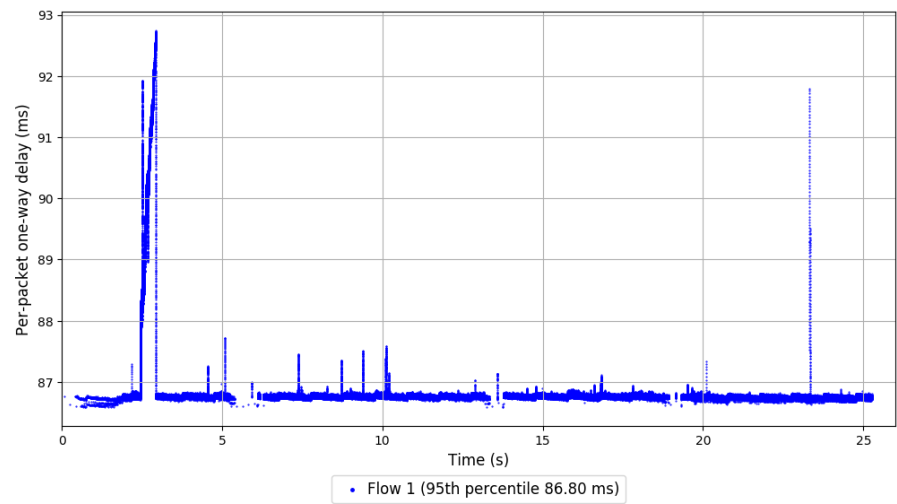
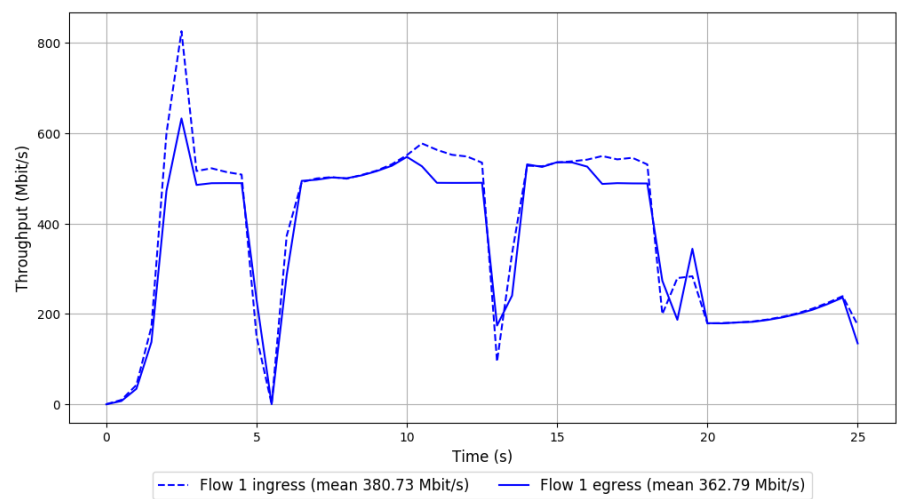
-- Flow 1:

Average throughput: 362.79 Mbit/s

95th percentile per-packet one-way delay: 86.802 ms

Loss rate: 5.34%

Run 9: Report of PCC — Data Link

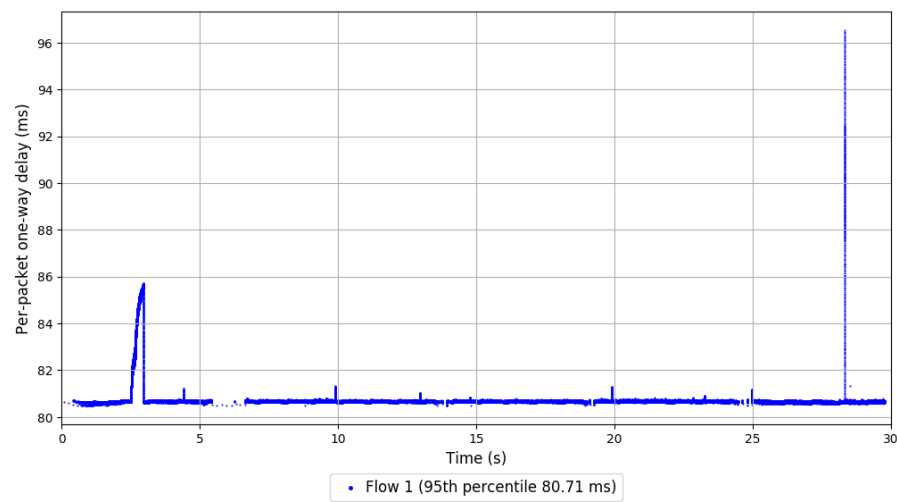
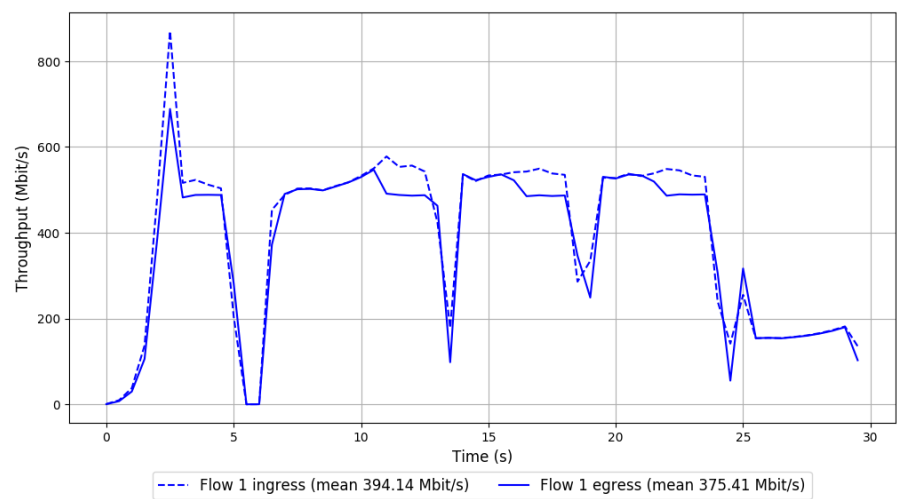


Run 10: Statistics of PCC

Start at: 2017-09-17 12:05:03  
End at: 2017-09-17 12:05:33  
Local clock offset: -10.115 ms  
Remote clock offset: -3.564 ms

# Below is generated by plot.py at 2017-09-17 16:31:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 375.41 Mbit/s  
95th percentile per-packet one-way delay: 80.708 ms  
Loss rate: 5.28%  
-- Flow 1:  
Average throughput: 375.41 Mbit/s  
95th percentile per-packet one-way delay: 80.708 ms  
Loss rate: 5.28%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

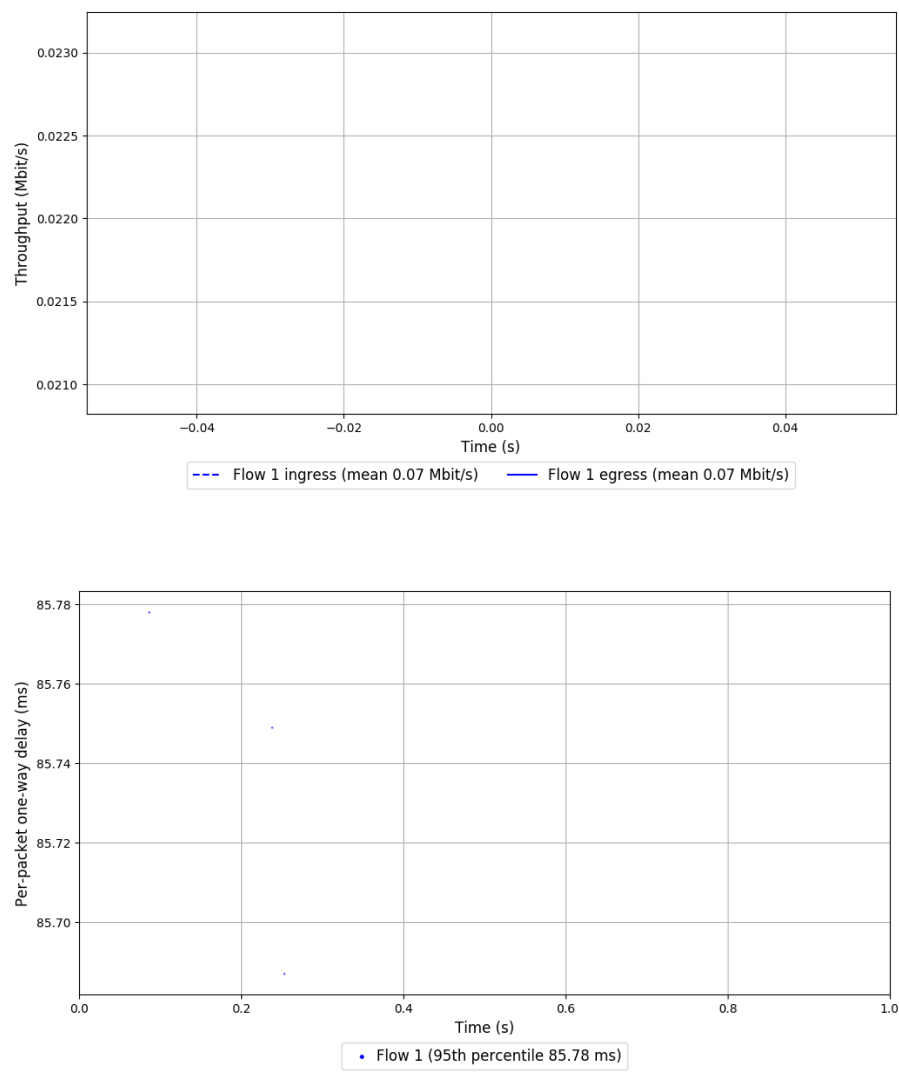
Start at: 2017-09-17 09:29:03

End at: 2017-09-17 09:29:33

Local clock offset: -9.714 ms

Remote clock offset: -8.8 ms

Run 1: Report of QUIC Cubic — Data Link

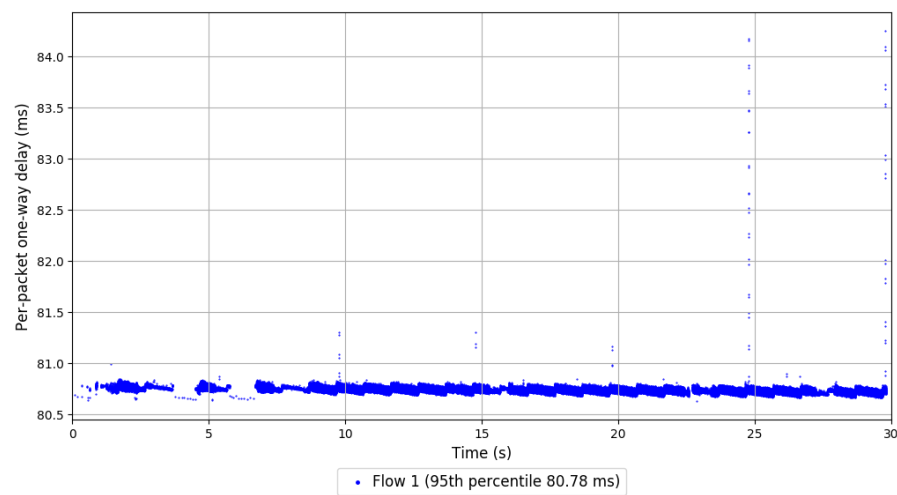
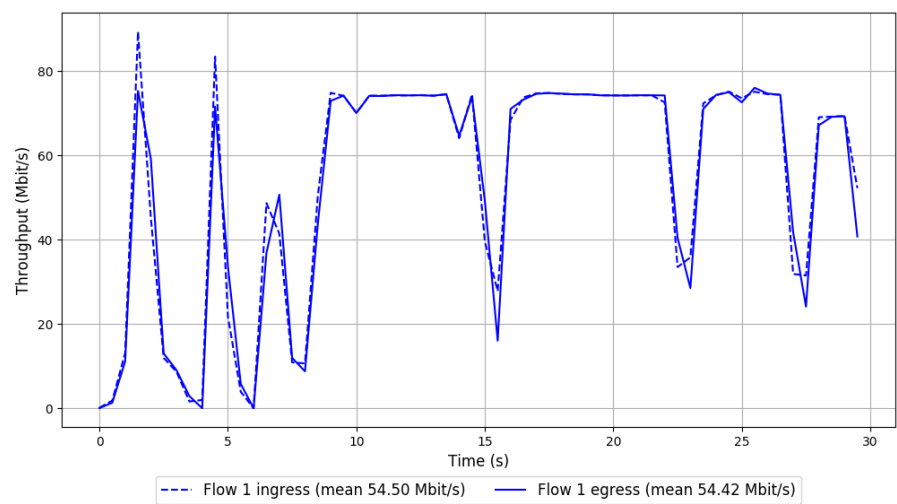


Run 2: Statistics of QUIC Cubic

Start at: 2017-09-17 09:48:25  
End at: 2017-09-17 09:48:55  
Local clock offset: -10.706 ms  
Remote clock offset: -4.38 ms

# Below is generated by plot.py at 2017-09-17 16:31:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 54.42 Mbit/s  
95th percentile per-packet one-way delay: 80.779 ms  
Loss rate: 0.71%  
-- Flow 1:  
Average throughput: 54.42 Mbit/s  
95th percentile per-packet one-way delay: 80.779 ms  
Loss rate: 0.71%

Run 2: Report of QUIC Cubic — Data Link

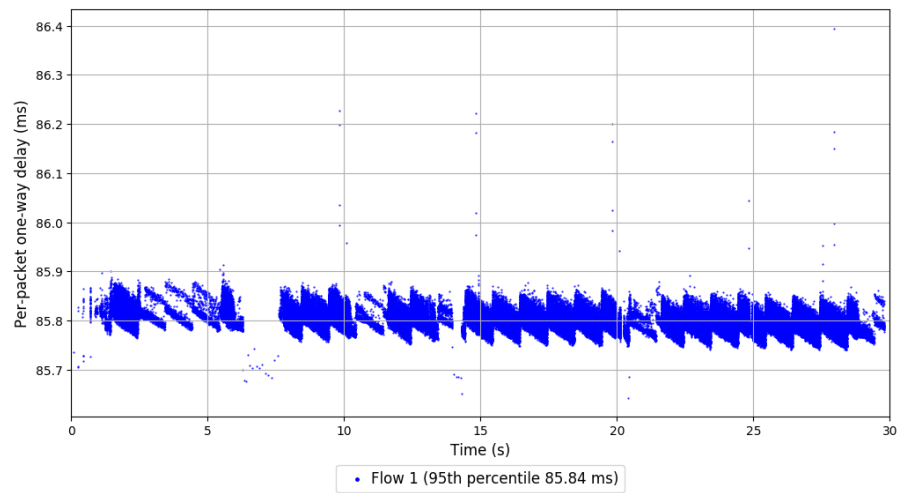
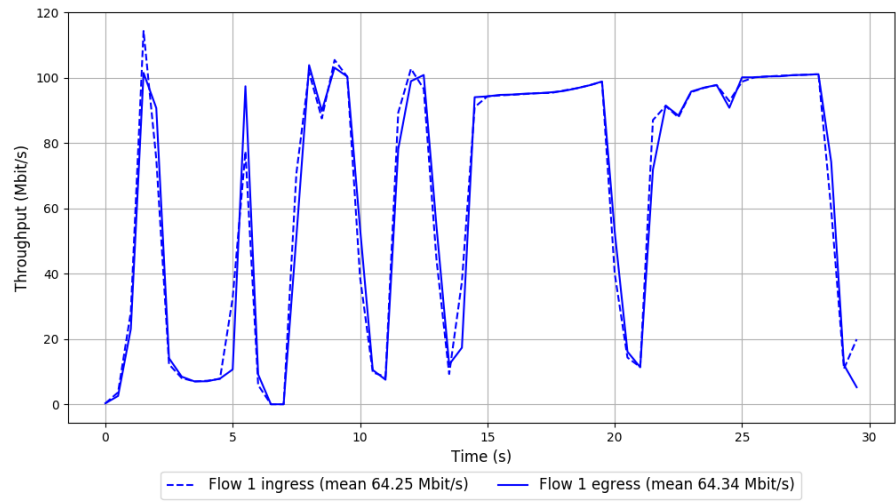


Run 3: Statistics of QUIC Cubic

Start at: 2017-09-17 10:07:51  
End at: 2017-09-17 10:08:21  
Local clock offset: -9.067 ms  
Remote clock offset: -9.177 ms

# Below is generated by plot.py at 2017-09-17 16:31:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 64.34 Mbit/s  
95th percentile per-packet one-way delay: 85.837 ms  
Loss rate: 0.42%  
-- Flow 1:  
Average throughput: 64.34 Mbit/s  
95th percentile per-packet one-way delay: 85.837 ms  
Loss rate: 0.42%

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



Run 4: Statistics of QUIC Cubic

Start at: 2017-09-17 10:27:17

End at: 2017-09-17 10:27:47

Local clock offset: -8.796 ms

Remote clock offset: -9.28 ms

# Below is generated by plot.py at 2017-09-17 16:31:06

# Datalink statistics

-- Total of 1 flow:

Average throughput: 56.81 Mbit/s

95th percentile per-packet one-way delay: 86.220 ms

Loss rate: 0.70%

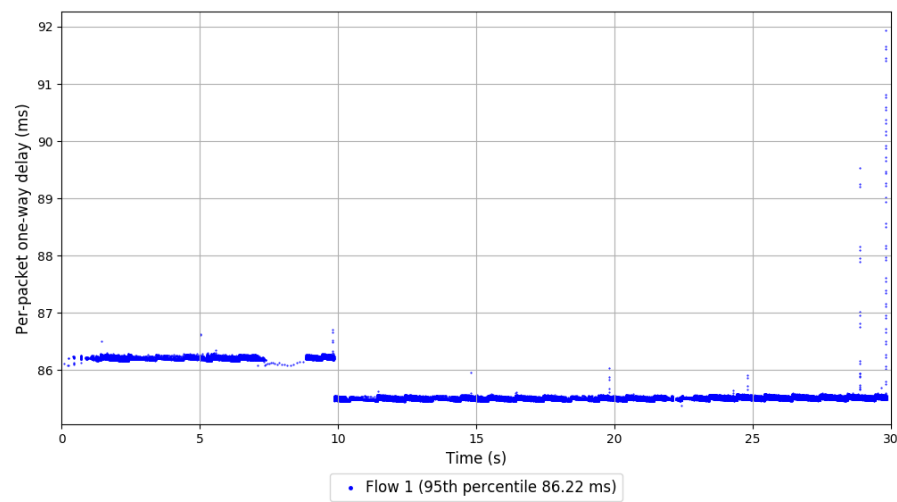
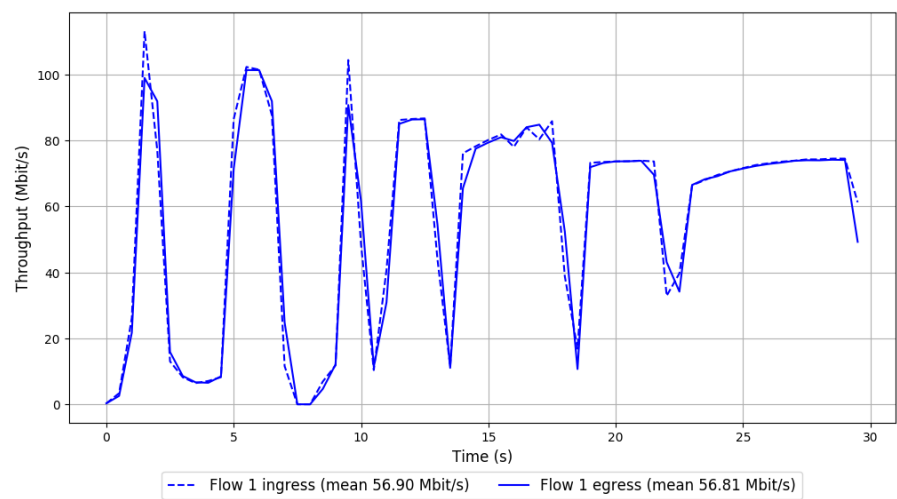
-- Flow 1:

Average throughput: 56.81 Mbit/s

95th percentile per-packet one-way delay: 86.220 ms

Loss rate: 0.70%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2017-09-17 10:46:33

End at: 2017-09-17 10:47:03

Local clock offset: -9.644 ms

Remote clock offset: -9.395 ms

# Below is generated by plot.py at 2017-09-17 16:31:06

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.95 Mbit/s

95th percentile per-packet one-way delay: 85.558 ms

Loss rate: 0.76%

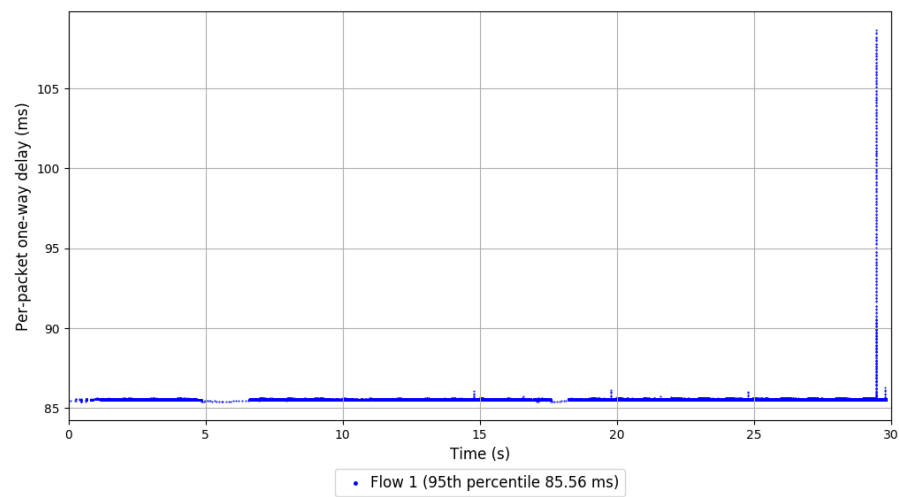
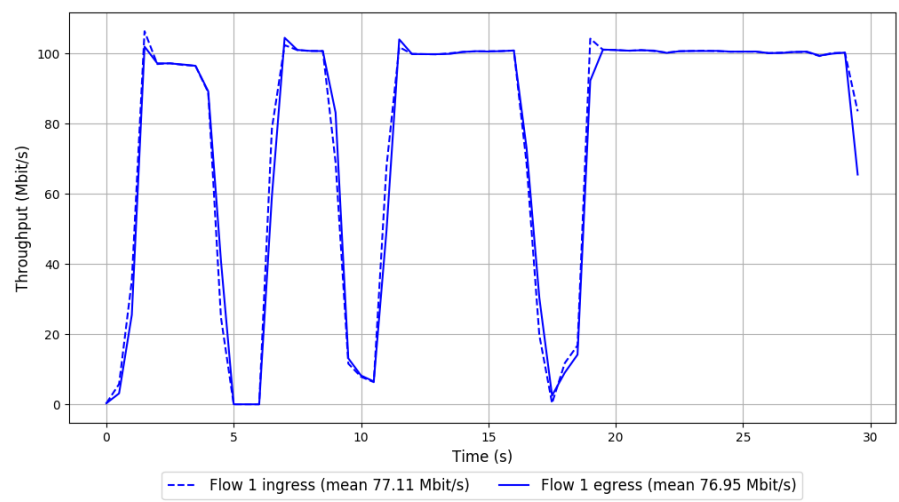
-- Flow 1:

Average throughput: 76.95 Mbit/s

95th percentile per-packet one-way delay: 85.558 ms

Loss rate: 0.76%

Run 5: Report of QUIC Cubic — Data Link

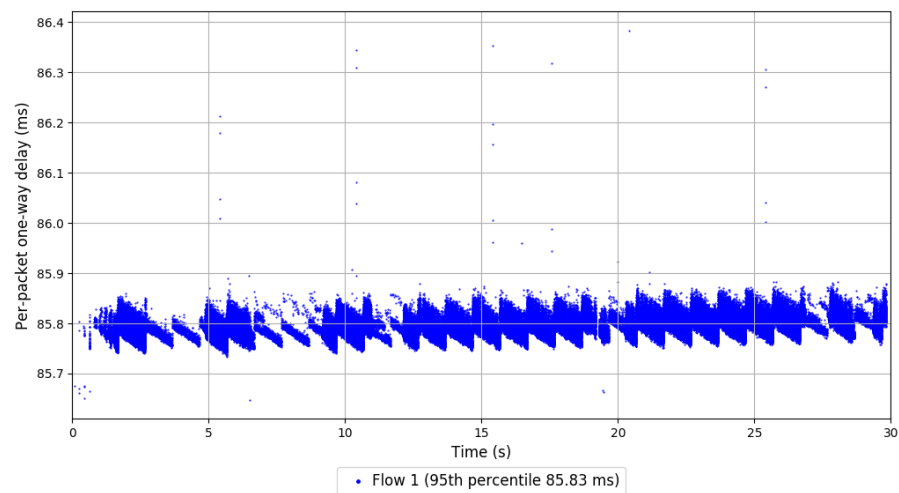
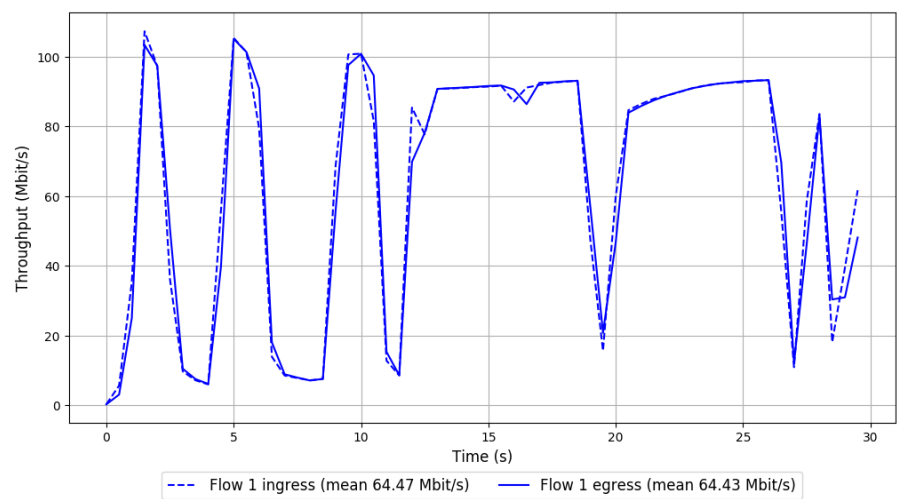


Run 6: Statistics of QUIC Cubic

Start at: 2017-09-17 11:06:21  
End at: 2017-09-17 11:06:51  
Local clock offset: -10.472 ms  
Remote clock offset: -9.419 ms

# Below is generated by plot.py at 2017-09-17 16:31:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 64.43 Mbit/s  
95th percentile per-packet one-way delay: 85.831 ms  
Loss rate: 0.63%  
-- Flow 1:  
Average throughput: 64.43 Mbit/s  
95th percentile per-packet one-way delay: 85.831 ms  
Loss rate: 0.63%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2017-09-17 11:26:14

End at: 2017-09-17 11:26:44

Local clock offset: -10.595 ms

# Below is generated by plot.py at 2017-09-17 16:31:06

# Datalink statistics

-- Total of 1 flow:

Average throughput: 52.55 Mbit/s

95th percentile per-packet one-way delay: 86.474 ms

Loss rate: 0.72%

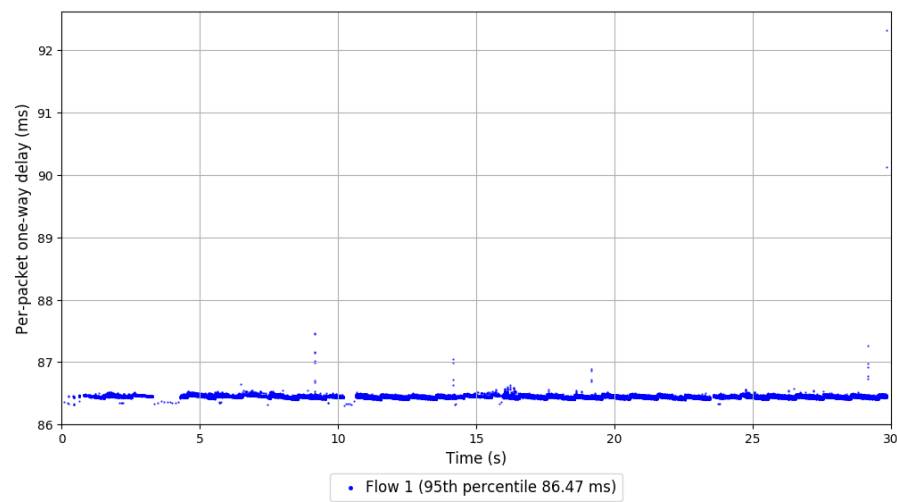
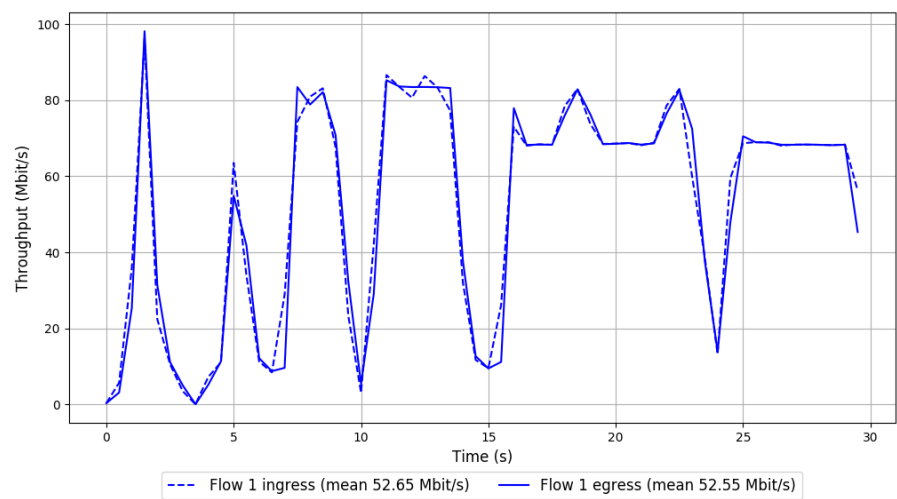
-- Flow 1:

Average throughput: 52.55 Mbit/s

95th percentile per-packet one-way delay: 86.474 ms

Loss rate: 0.72%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2017-09-17 11:43:12

End at: 2017-09-17 11:43:42

Local clock offset: -10.295 ms

# Below is generated by plot.py at 2017-09-17 16:31:06

# Datalink statistics

-- Total of 1 flow:

Average throughput: 63.73 Mbit/s

95th percentile per-packet one-way delay: 86.513 ms

Loss rate: 0.83%

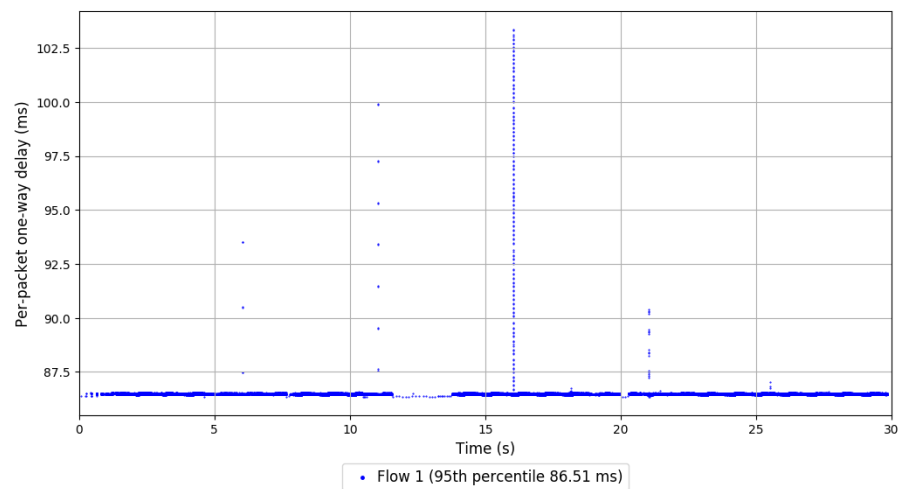
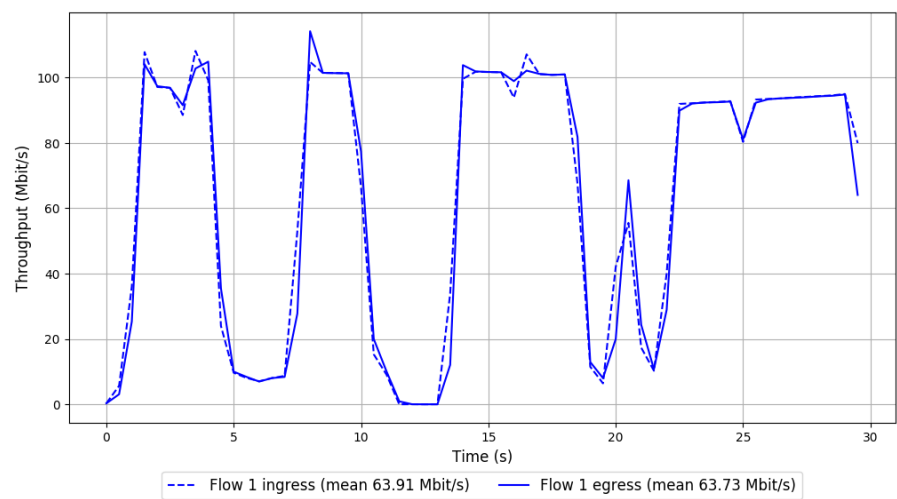
-- Flow 1:

Average throughput: 63.73 Mbit/s

95th percentile per-packet one-way delay: 86.513 ms

Loss rate: 0.83%

Run 8: Report of QUIC Cubic — Data Link

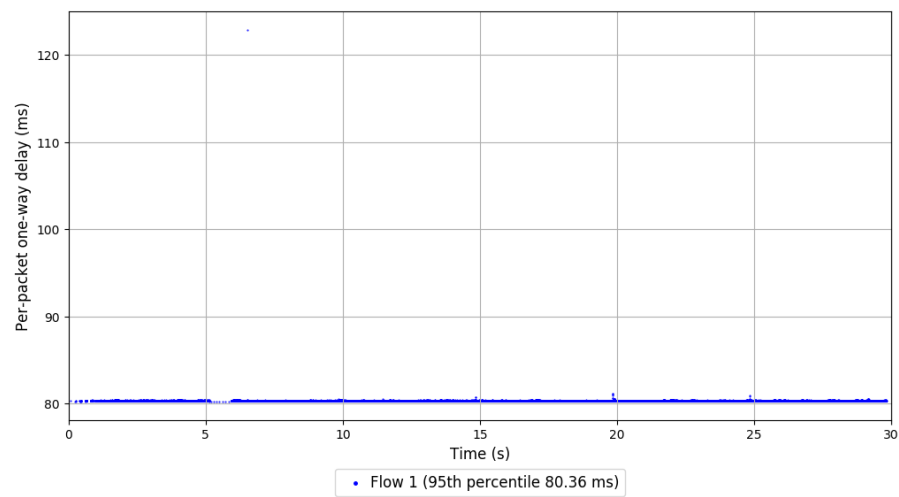
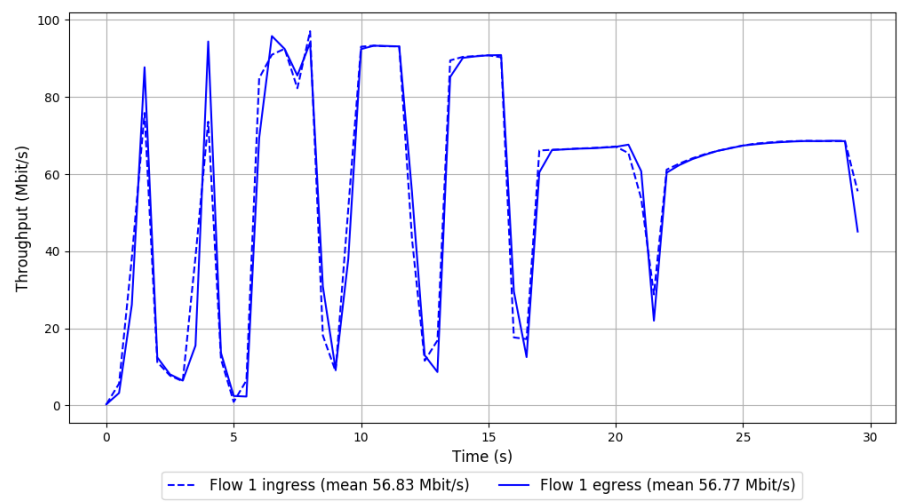


Run 9: Statistics of QUIC Cubic

Start at: 2017-09-17 12:01:29  
End at: 2017-09-17 12:01:59  
Local clock offset: -10.042 ms  
Remote clock offset: -3.677 ms

# Below is generated by plot.py at 2017-09-17 16:31:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 56.77 Mbit/s  
95th percentile per-packet one-way delay: 80.359 ms  
Loss rate: 0.67%  
-- Flow 1:  
Average throughput: 56.77 Mbit/s  
95th percentile per-packet one-way delay: 80.359 ms  
Loss rate: 0.67%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2017-09-17 12:22:02

End at: 2017-09-17 12:22:32

Local clock offset: -9.996 ms

Remote clock offset: -7.755 ms

# Below is generated by plot.py at 2017-09-17 16:31:06

# Datalink statistics

-- Total of 1 flow:

Average throughput: 52.50 Mbit/s

95th percentile per-packet one-way delay: 84.573 ms

Loss rate: 0.85%

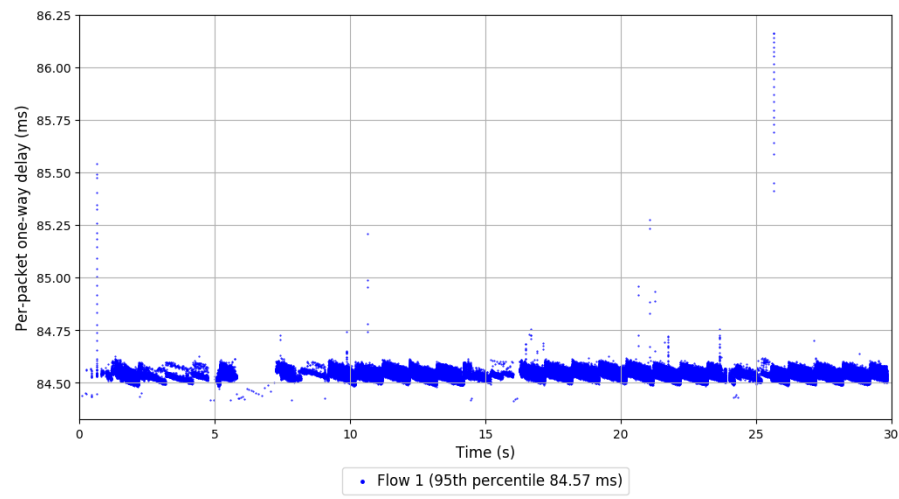
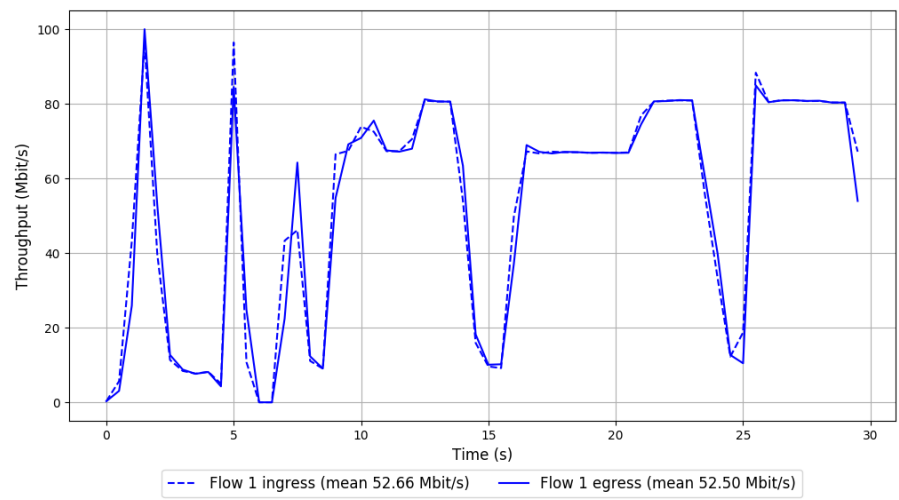
-- Flow 1:

Average throughput: 52.50 Mbit/s

95th percentile per-packet one-way delay: 84.573 ms

Loss rate: 0.85%

Run 10: Report of QUIC Cubic — Data Link

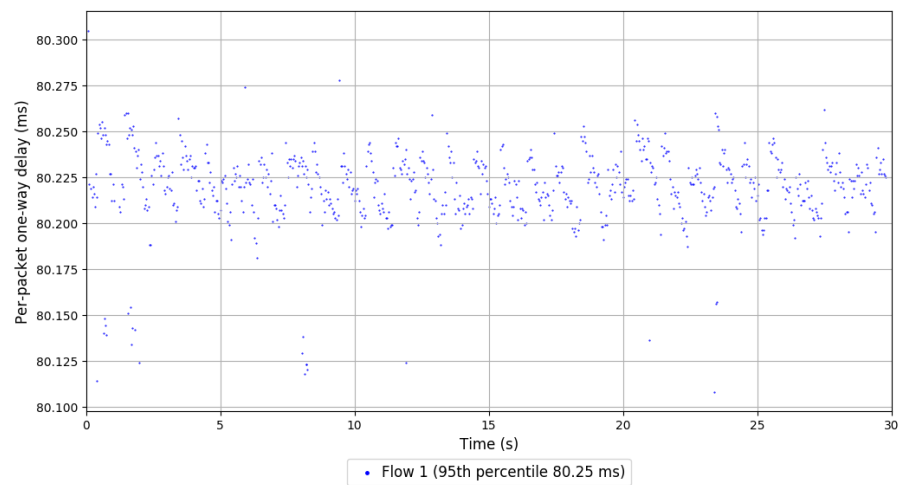
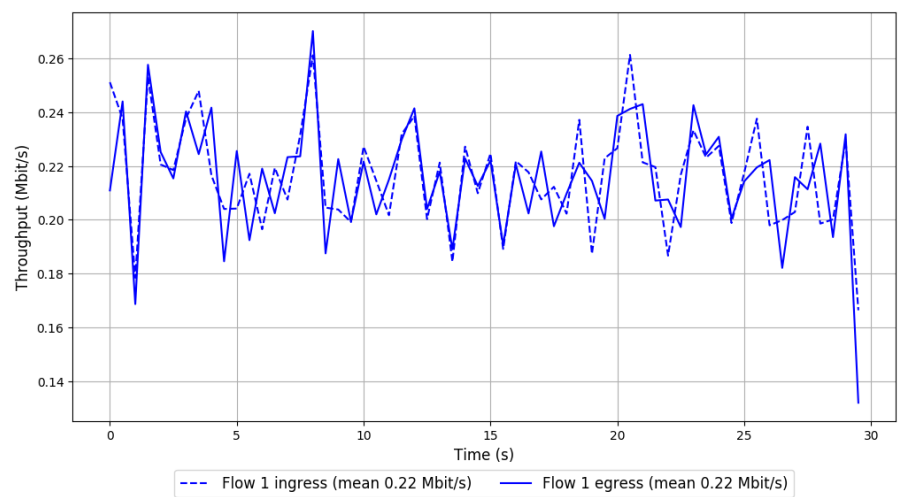


Run 1: Statistics of SCReAM

Start at: 2017-09-17 09:30:12  
End at: 2017-09-17 09:30:43  
Local clock offset: -9.805 ms  
Remote clock offset: -3.074 ms

# Below is generated by plot.py at 2017-09-17 16:31:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 80.246 ms  
Loss rate: 0.51%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 80.246 ms  
Loss rate: 0.51%

Run 1: Report of SReAM — Data Link

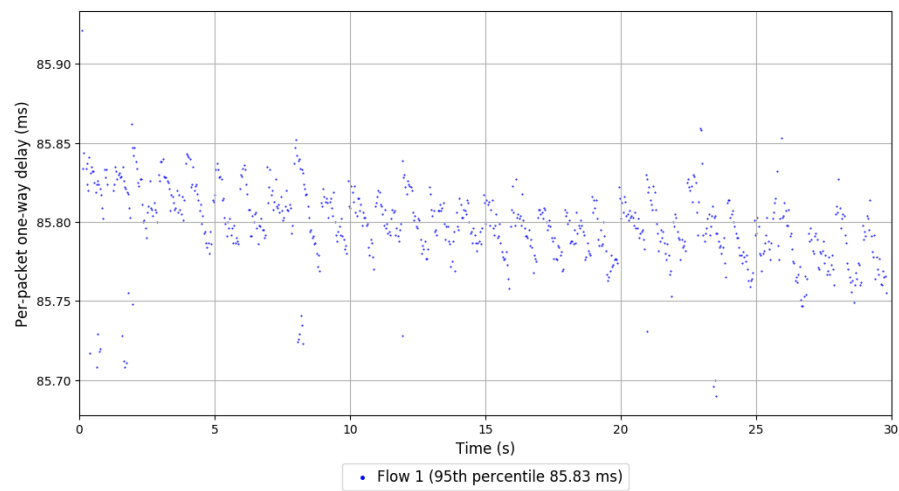
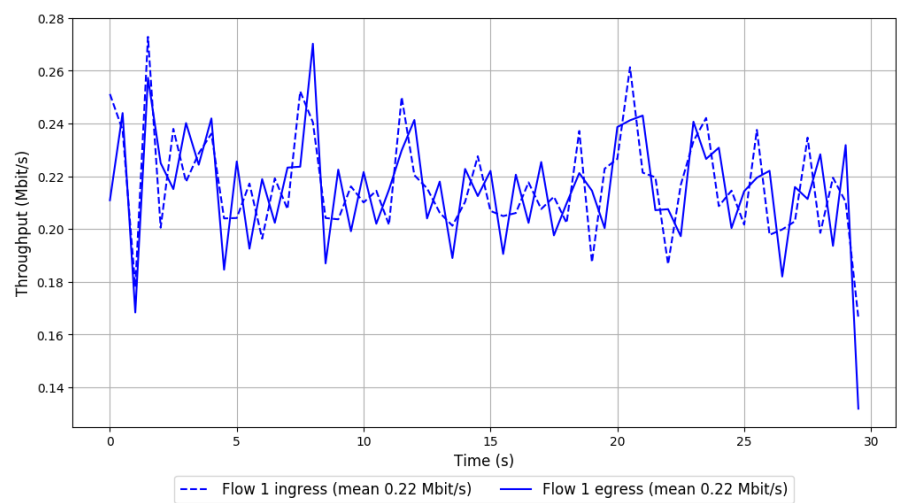


```
Run 2: Statistics of SCReAM

Start at: 2017-09-17 09:49:38
End at: 2017-09-17 09:50:08
Local clock offset: -10.603 ms
Remote clock offset: -9.002 ms

# Below is generated by plot.py at 2017-09-17 16:31:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.834 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.834 ms
Loss rate: 0.51%
```

Run 2: Report of SReAM — Data Link

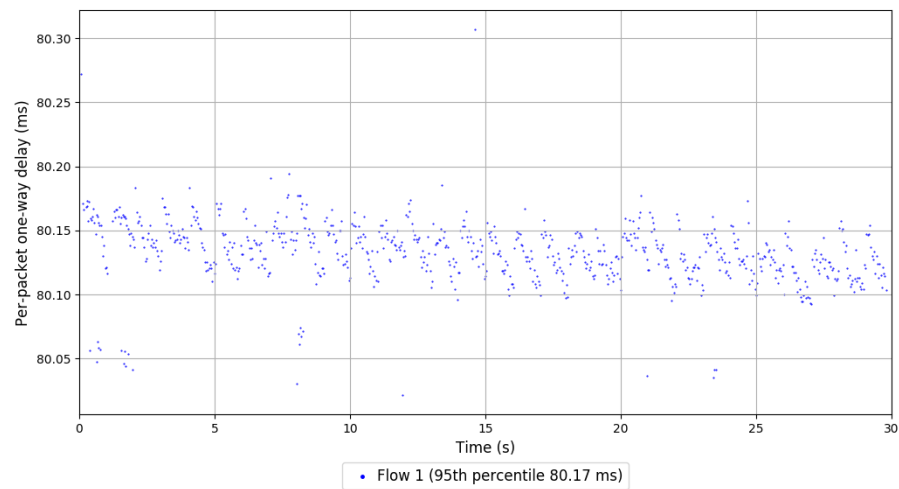
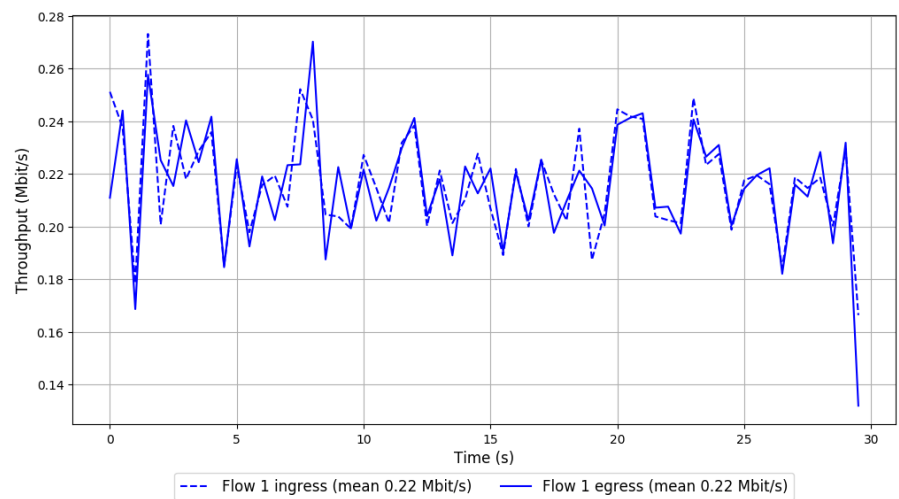


Run 3: Statistics of SCReAM

Start at: 2017-09-17 10:09:04  
End at: 2017-09-17 10:09:34  
Local clock offset: -9.071 ms  
Remote clock offset: -4.139 ms

# Below is generated by plot.py at 2017-09-17 16:31:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 80.166 ms  
Loss rate: 0.51%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 80.166 ms  
Loss rate: 0.51%

Run 3: Report of SReAM — Data Link

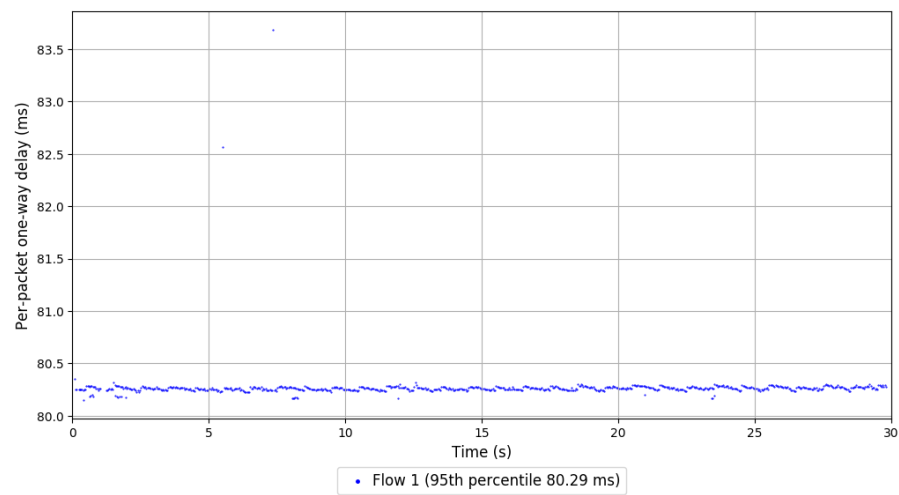
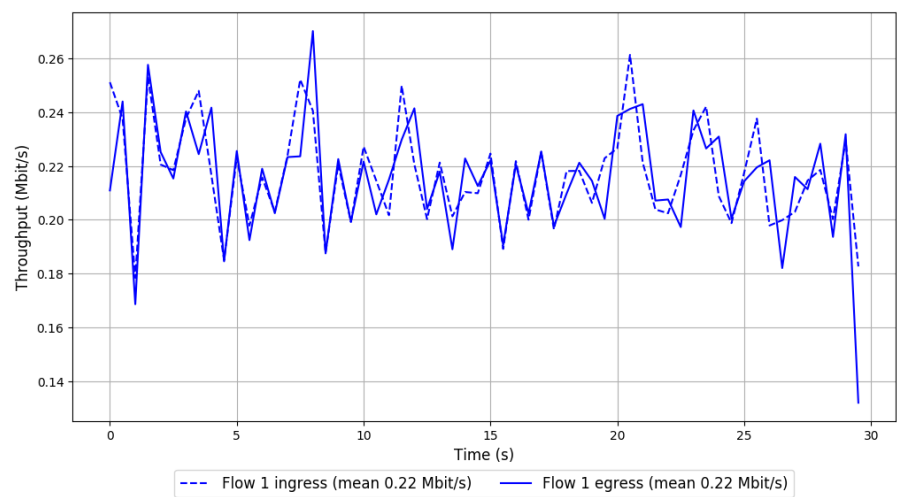


Run 4: Statistics of SCReAM

Start at: 2017-09-17 10:28:30  
End at: 2017-09-17 10:29:00  
Local clock offset: -8.787 ms  
Remote clock offset: -3.997 ms

# Below is generated by plot.py at 2017-09-17 16:31:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 80.289 ms  
Loss rate: 0.64%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 80.289 ms  
Loss rate: 0.64%

Run 4: Report of SReAM — Data Link

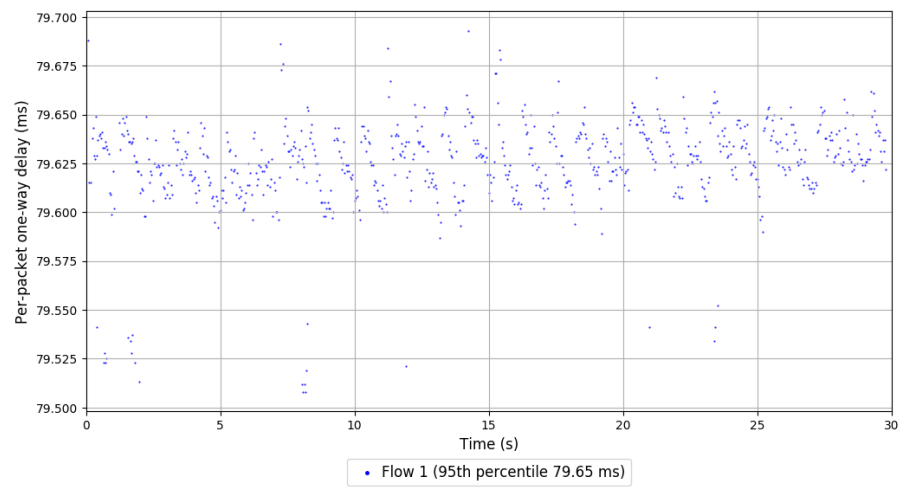
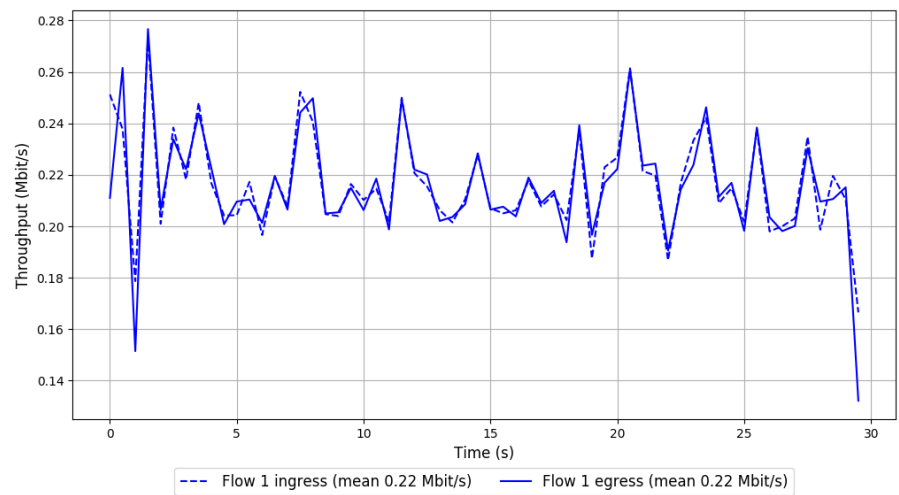


Run 5: Statistics of SCReAM

Start at: 2017-09-17 10:47:47  
End at: 2017-09-17 10:48:17  
Local clock offset: -9.796 ms  
Remote clock offset: -4.168 ms

# Below is generated by plot.py at 2017-09-17 16:31:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 79.653 ms  
Loss rate: 0.51%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 79.653 ms  
Loss rate: 0.51%

Run 5: Report of SReAM — Data Link

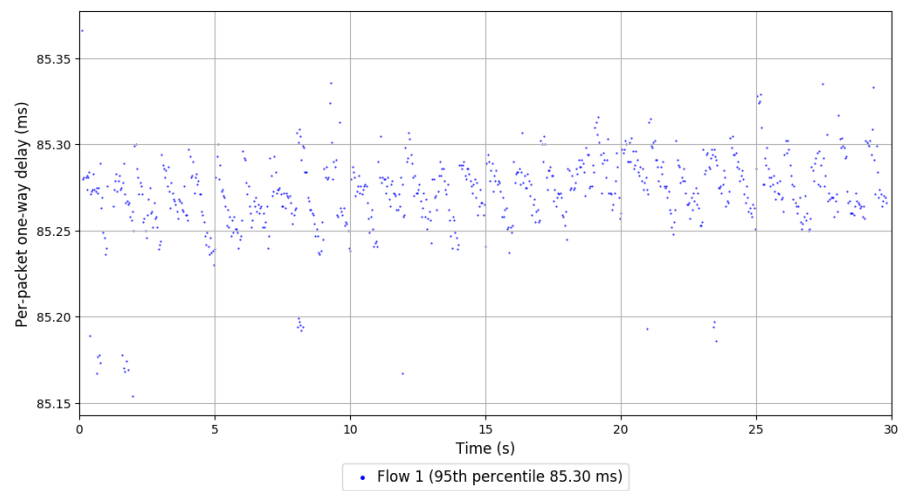
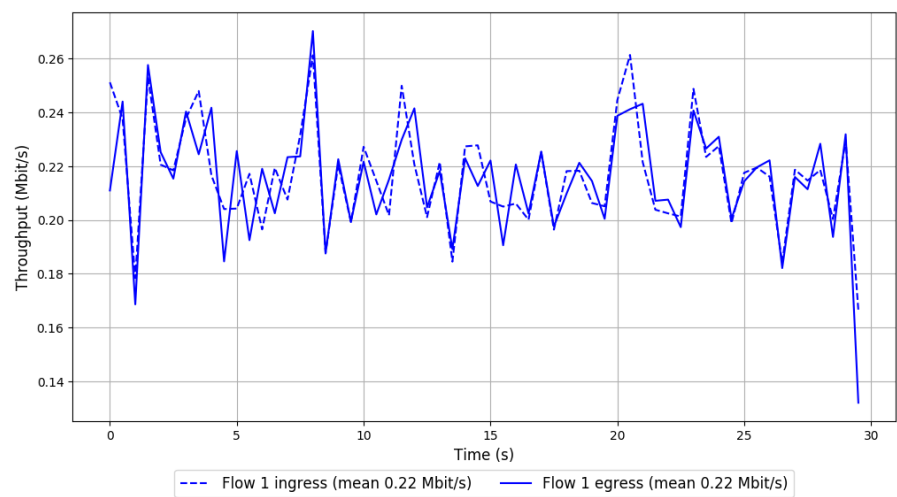


Run 6: Statistics of SCReAM

Start at: 2017-09-17 11:07:36  
End at: 2017-09-17 11:08:06  
Local clock offset: -10.606 ms  
Remote clock offset: -9.231 ms

# Below is generated by plot.py at 2017-09-17 16:31:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 85.302 ms  
Loss rate: 0.51%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 85.302 ms  
Loss rate: 0.51%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2017-09-17 11:27:14

End at: 2017-09-17 11:27:44

Local clock offset: -10.478 ms

# Below is generated by plot.py at 2017-09-17 16:31:06

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.796 ms

Loss rate: 0.51%

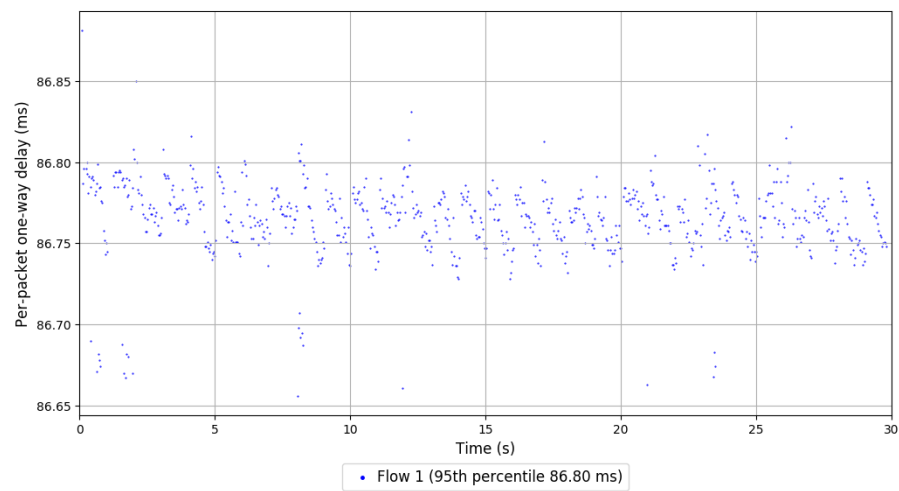
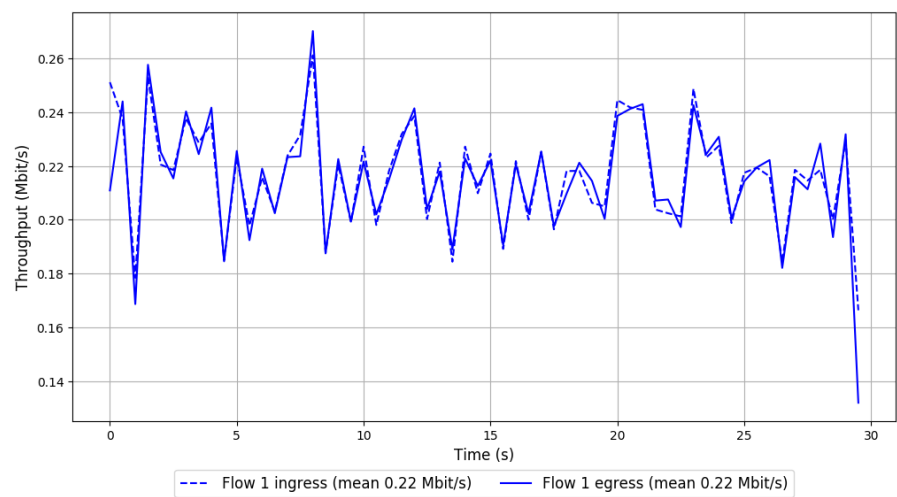
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.796 ms

Loss rate: 0.51%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2017-09-17 11:44:13

End at: 2017-09-17 11:44:43

Local clock offset: -10.235 ms

# Below is generated by plot.py at 2017-09-17 16:31:06

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.000 ms

Loss rate: 0.51%

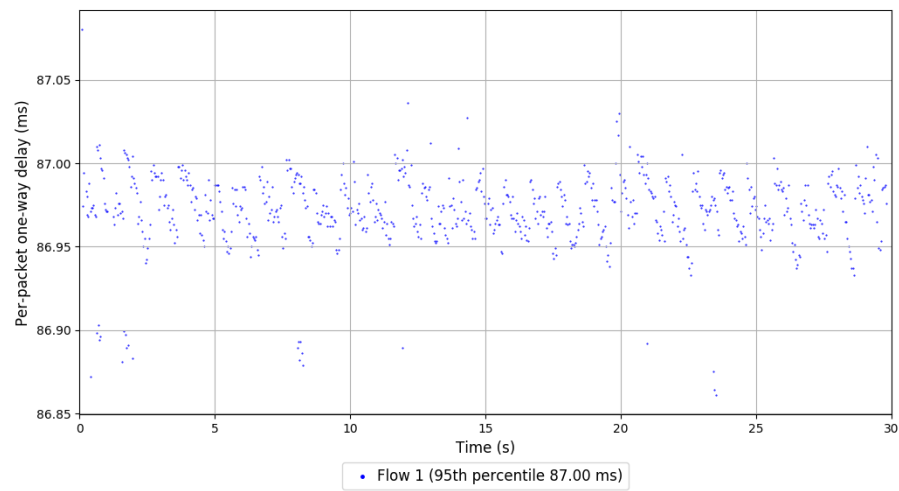
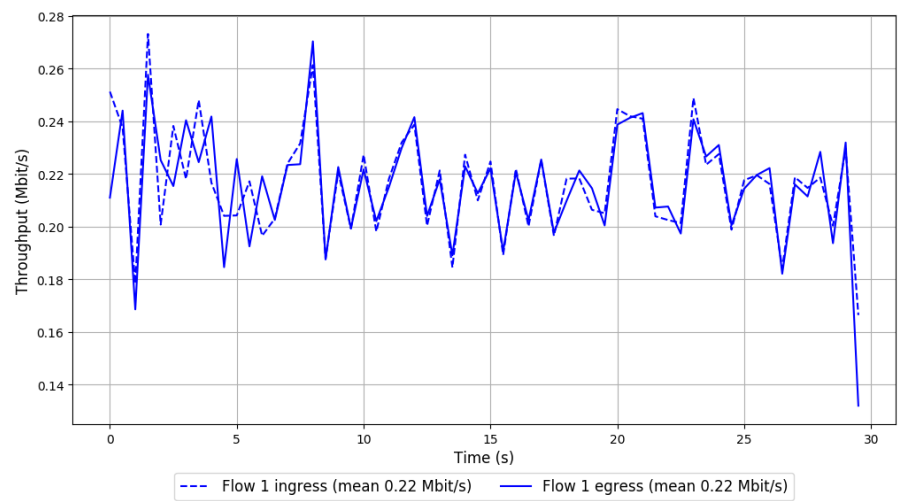
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.000 ms

Loss rate: 0.51%

Run 8: Report of SCRaM — Data Link

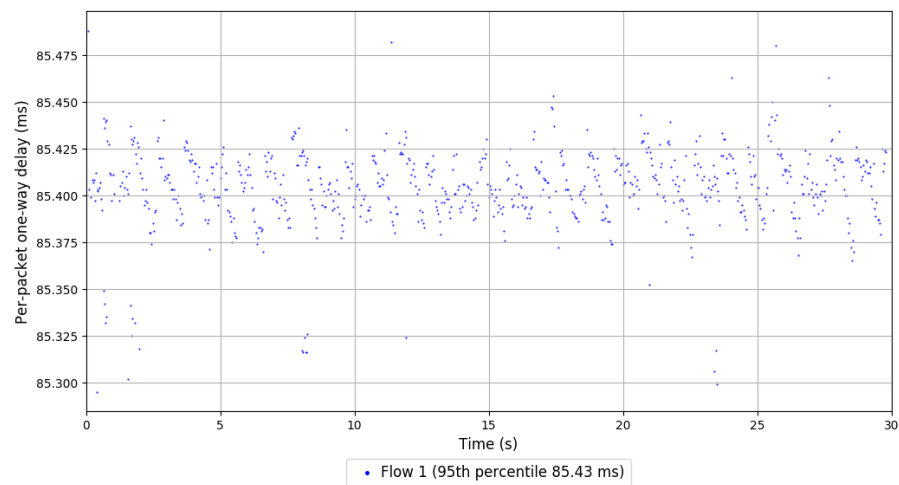
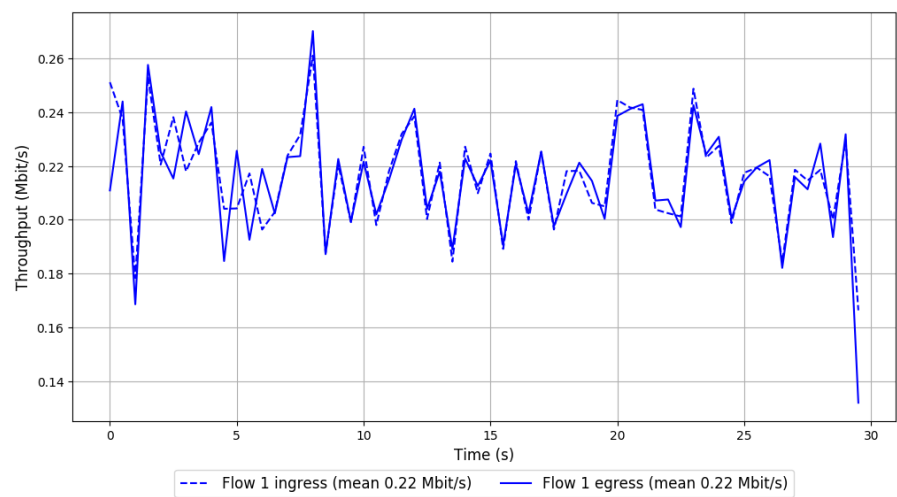


Run 9: Statistics of SCReAM

Start at: 2017-09-17 12:02:43  
End at: 2017-09-17 12:03:13  
Local clock offset: -10.047 ms  
Remote clock offset: -8.529 ms

# Below is generated by plot.py at 2017-09-17 16:31:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 85.431 ms  
Loss rate: 0.51%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 85.431 ms  
Loss rate: 0.51%

Run 9: Report of SCRaM — Data Link

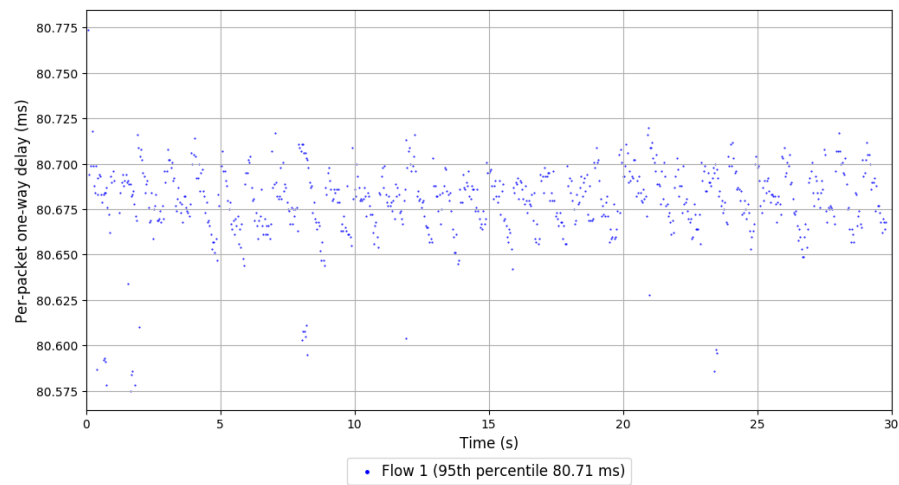
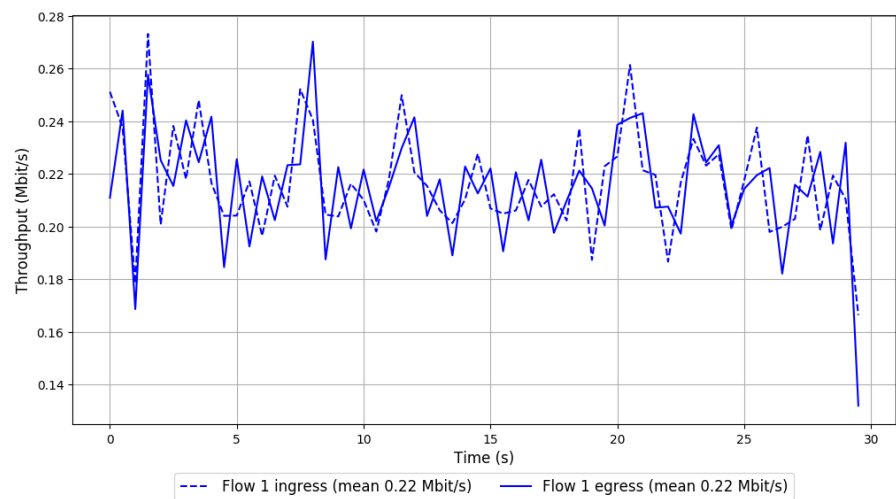


Run 10: Statistics of SReAM

Start at: 2017-09-17 12:23:15  
End at: 2017-09-17 12:23:45  
Local clock offset: -10.065 ms  
Remote clock offset: -3.569 ms

# Below is generated by plot.py at 2017-09-17 16:31:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 80.706 ms  
Loss rate: 0.51%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 80.706 ms  
Loss rate: 0.51%

Run 10: Report of SCRaM — Data Link

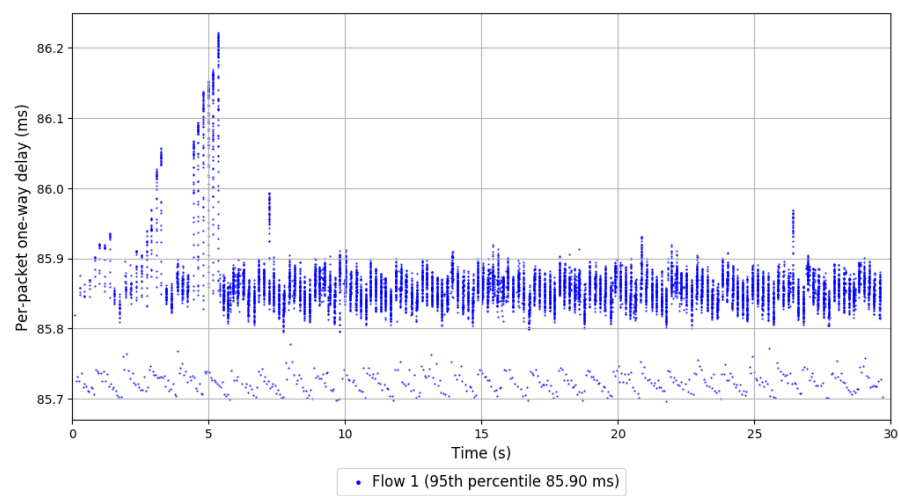
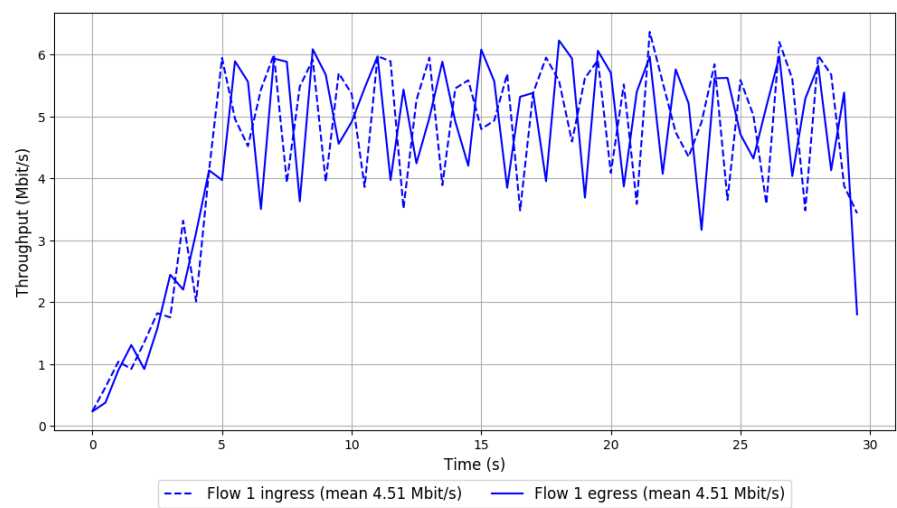


Run 1: Statistics of Sprout

Start at: 2017-09-17 09:18:27  
End at: 2017-09-17 09:18:57  
Local clock offset: -9.907 ms  
Remote clock offset: -8.418 ms

# Below is generated by plot.py at 2017-09-17 16:31:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 4.51 Mbit/s  
95th percentile per-packet one-way delay: 85.903 ms  
Loss rate: 0.68%  
-- Flow 1:  
Average throughput: 4.51 Mbit/s  
95th percentile per-packet one-way delay: 85.903 ms  
Loss rate: 0.68%

Run 1: Report of Sprout — Data Link

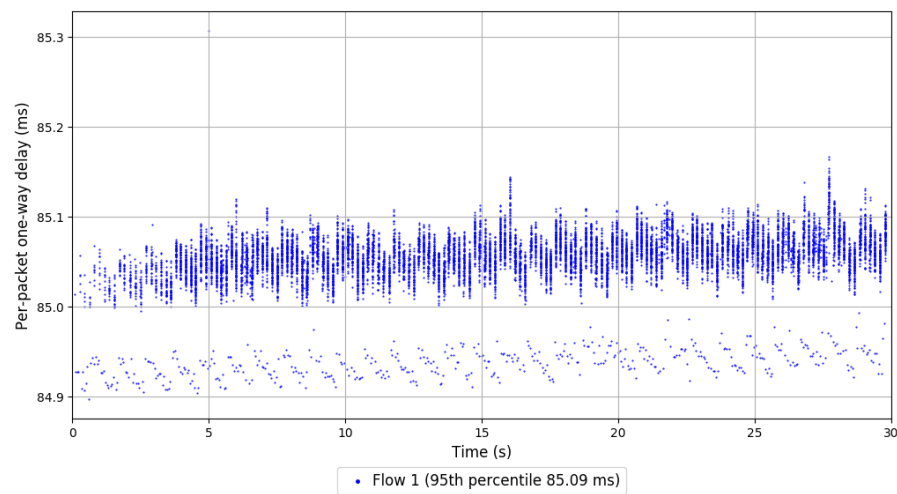
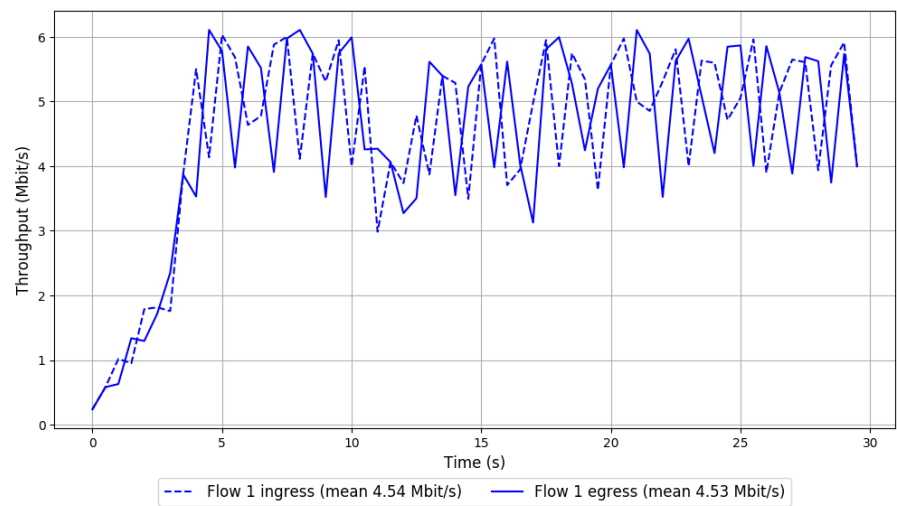


Run 2: Statistics of Sprout

Start at: 2017-09-17 09:37:46  
End at: 2017-09-17 09:38:16  
Local clock offset: -10.186 ms  
Remote clock offset: -8.592 ms

# Below is generated by plot.py at 2017-09-17 16:31:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 4.53 Mbit/s  
95th percentile per-packet one-way delay: 85.092 ms  
Loss rate: 0.73%  
-- Flow 1:  
Average throughput: 4.53 Mbit/s  
95th percentile per-packet one-way delay: 85.092 ms  
Loss rate: 0.73%

Run 2: Report of Sprout — Data Link

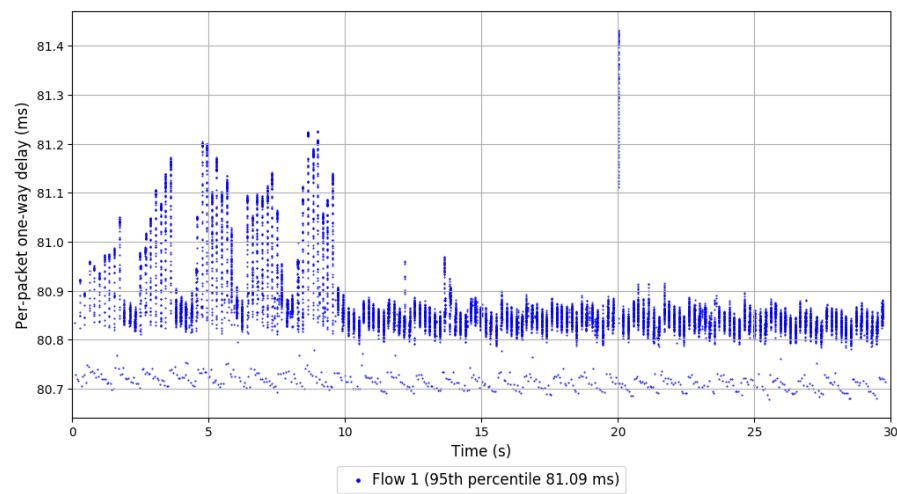
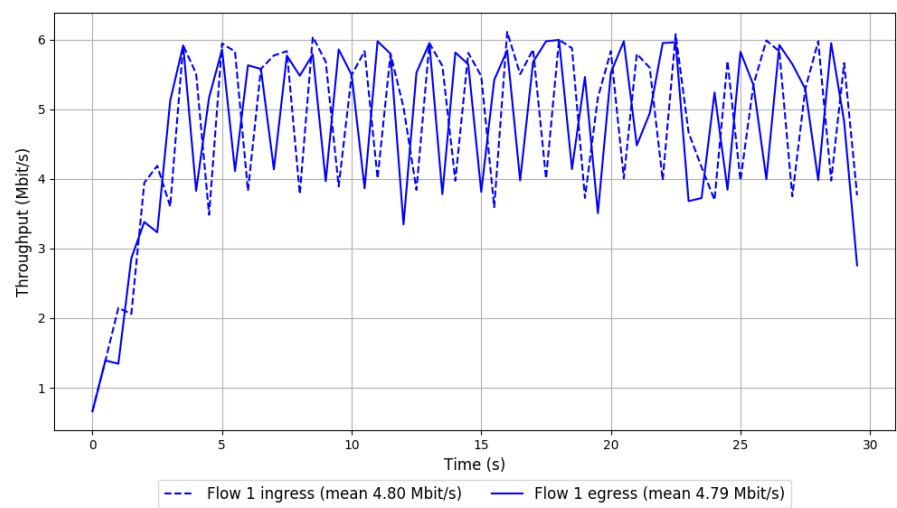


Run 3: Statistics of Sprout

Start at: 2017-09-17 09:57:15  
End at: 2017-09-17 09:57:45  
Local clock offset: -9.98 ms  
Remote clock offset: -4.398 ms

# Below is generated by plot.py at 2017-09-17 16:31:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 4.79 Mbit/s  
95th percentile per-packet one-way delay: 81.093 ms  
Loss rate: 0.65%  
-- Flow 1:  
Average throughput: 4.79 Mbit/s  
95th percentile per-packet one-way delay: 81.093 ms  
Loss rate: 0.65%

Run 3: Report of Sprout — Data Link

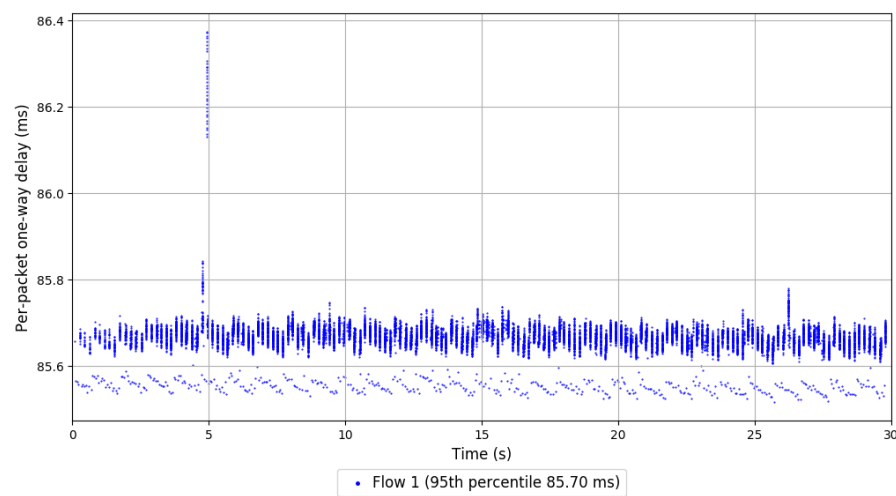
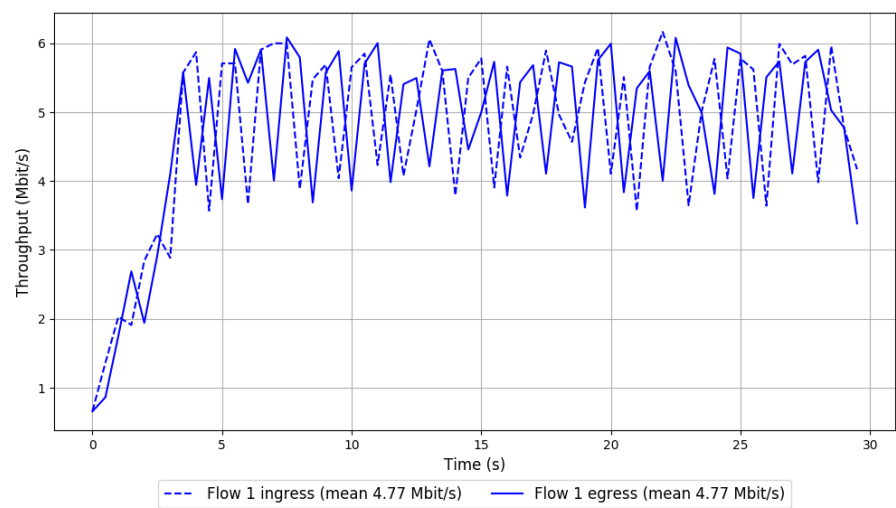


Run 4: Statistics of Sprout

Start at: 2017-09-17 10:16:40  
End at: 2017-09-17 10:17:10  
Local clock offset: -8.779 ms  
Remote clock offset: -9.537 ms

# Below is generated by plot.py at 2017-09-17 16:31:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 4.77 Mbit/s  
95th percentile per-packet one-way delay: 85.701 ms  
Loss rate: 0.60%  
-- Flow 1:  
Average throughput: 4.77 Mbit/s  
95th percentile per-packet one-way delay: 85.701 ms  
Loss rate: 0.60%

Run 4: Report of Sprout — Data Link

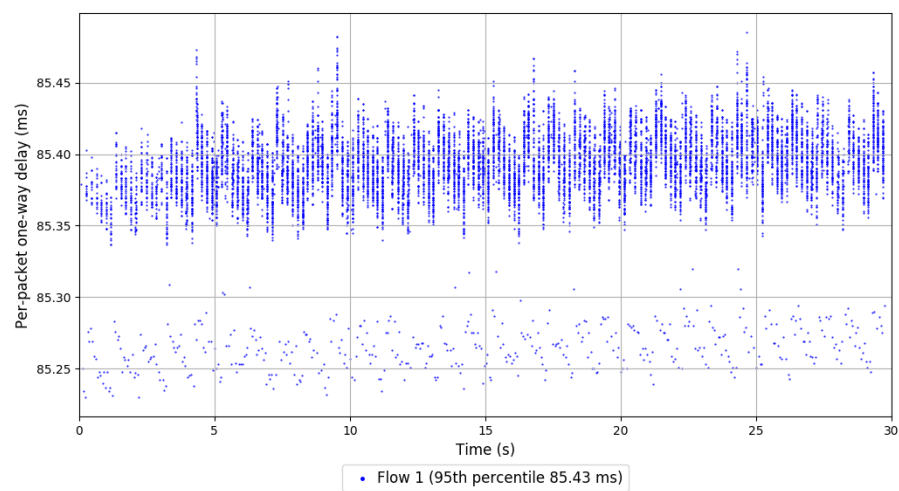
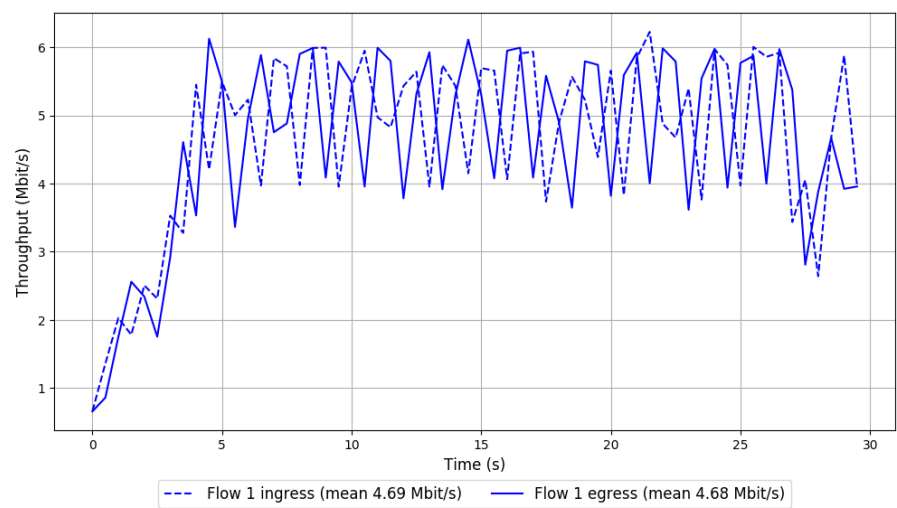


Run 5: Statistics of Sprout

Start at: 2017-09-17 10:36:01  
End at: 2017-09-17 10:36:31  
Local clock offset: -9.212 ms  
Remote clock offset: -9.281 ms

# Below is generated by plot.py at 2017-09-17 16:31:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 4.68 Mbit/s  
95th percentile per-packet one-way delay: 85.428 ms  
Loss rate: 0.70%  
-- Flow 1:  
Average throughput: 4.68 Mbit/s  
95th percentile per-packet one-way delay: 85.428 ms  
Loss rate: 0.70%

Run 5: Report of Sprout — Data Link

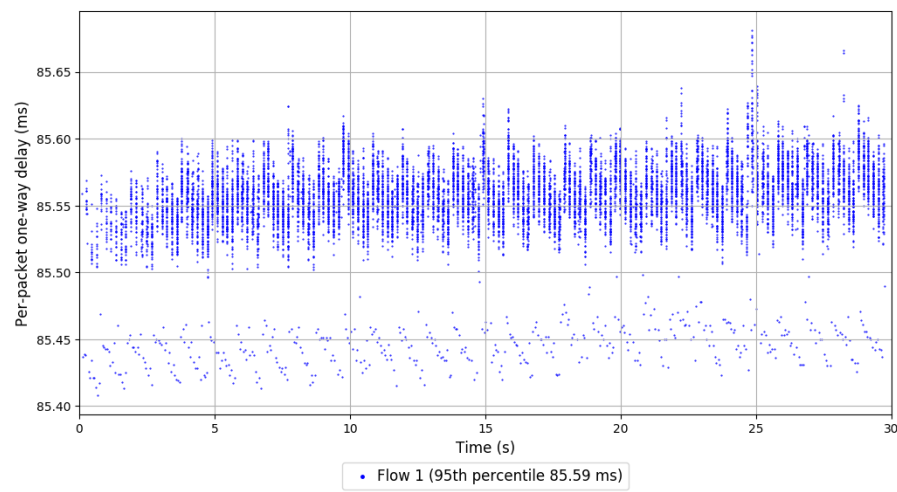
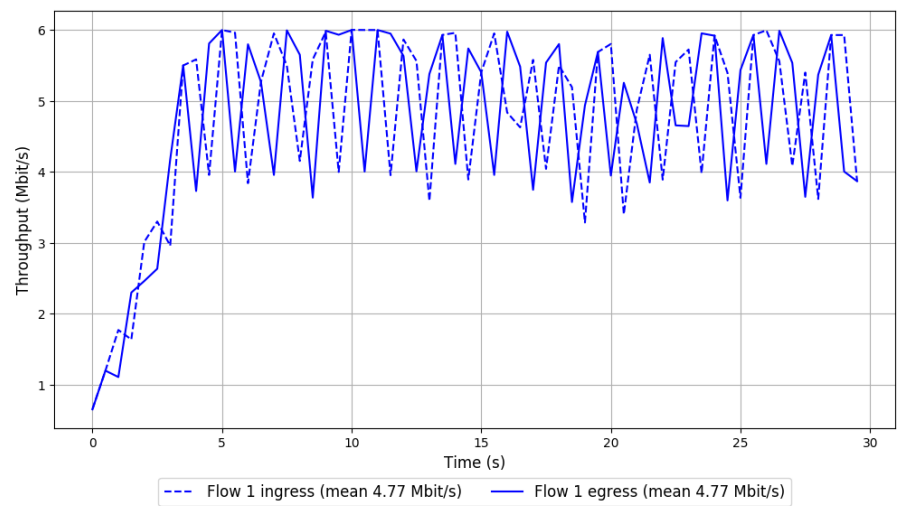


Run 6: Statistics of Sprout

Start at: 2017-09-17 10:55:23  
End at: 2017-09-17 10:55:53  
Local clock offset: -9.956 ms  
Remote clock offset: -9.43 ms

# Below is generated by plot.py at 2017-09-17 16:31:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 4.77 Mbit/s  
95th percentile per-packet one-way delay: 85.593 ms  
Loss rate: 0.68%  
-- Flow 1:  
Average throughput: 4.77 Mbit/s  
95th percentile per-packet one-way delay: 85.593 ms  
Loss rate: 0.68%

Run 6: Report of Sprout — Data Link

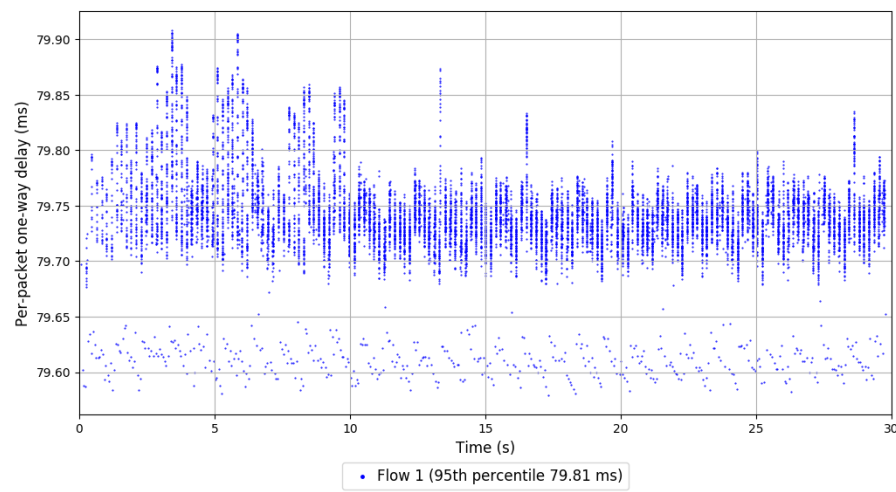
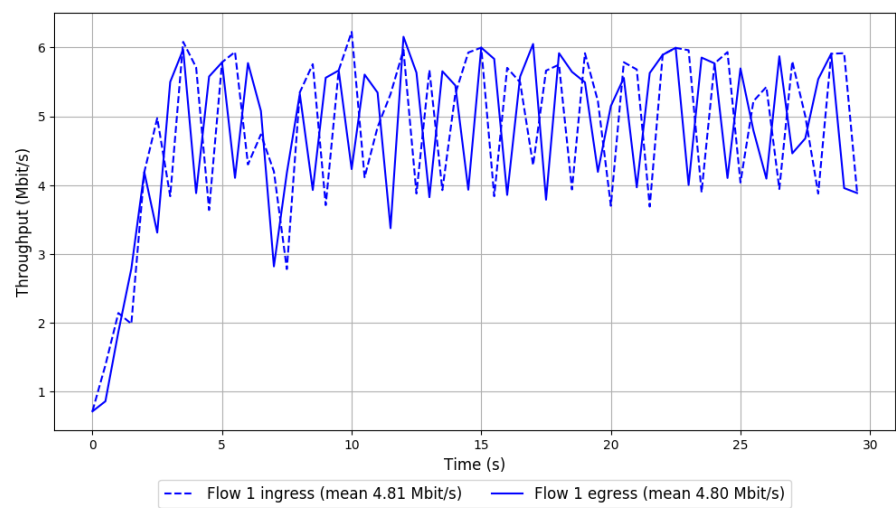


Run 7: Statistics of Sprout

Start at: 2017-09-17 11:15:21  
End at: 2017-09-17 11:15:51  
Local clock offset: -10.555 ms  
Remote clock offset: -3.85 ms

# Below is generated by plot.py at 2017-09-17 16:31:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 4.80 Mbit/s  
95th percentile per-packet one-way delay: 79.814 ms  
Loss rate: 0.69%  
-- Flow 1:  
Average throughput: 4.80 Mbit/s  
95th percentile per-packet one-way delay: 79.814 ms  
Loss rate: 0.69%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2017-09-17 11:33:33

End at: 2017-09-17 11:34:03

Local clock offset: -10.353 ms

# Below is generated by plot.py at 2017-09-17 16:31:06

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.50 Mbit/s

95th percentile per-packet one-way delay: 86.774 ms

Loss rate: 0.41%

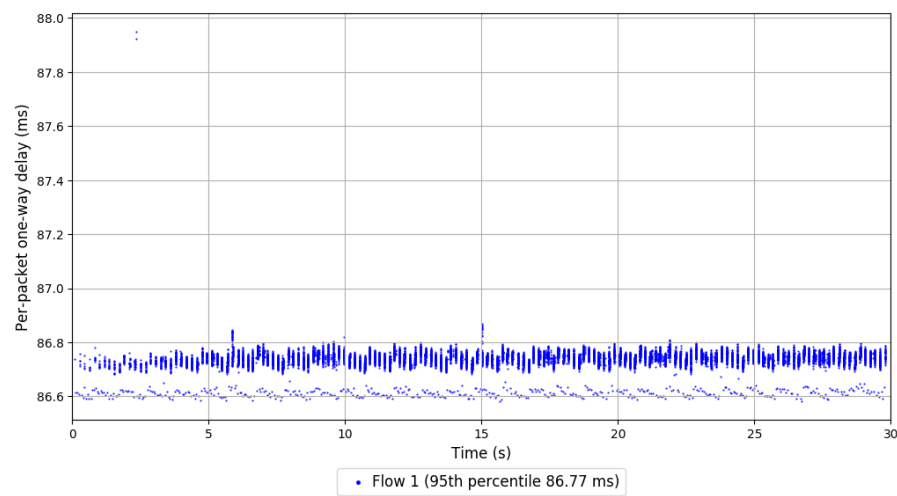
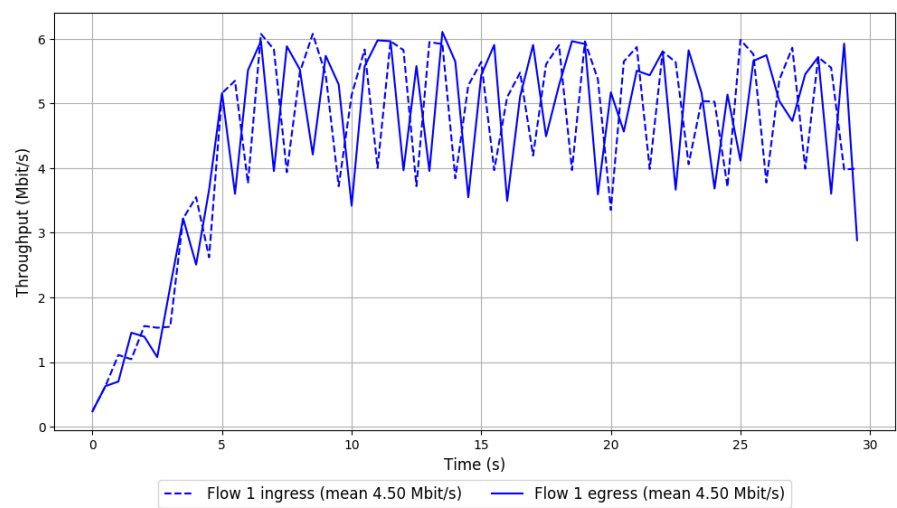
-- Flow 1:

Average throughput: 4.50 Mbit/s

95th percentile per-packet one-way delay: 86.774 ms

Loss rate: 0.41%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2017-09-17 11:51:05

End at: 2017-09-17 11:51:35

Local clock offset: -10.059 ms

# Below is generated by plot.py at 2017-09-17 16:31:06

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.72 Mbit/s

95th percentile per-packet one-way delay: 86.829 ms

Loss rate: 0.79%

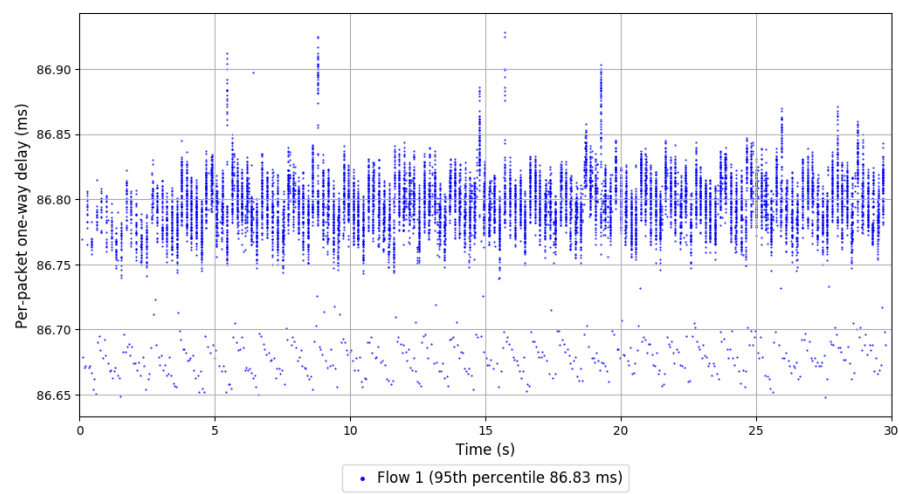
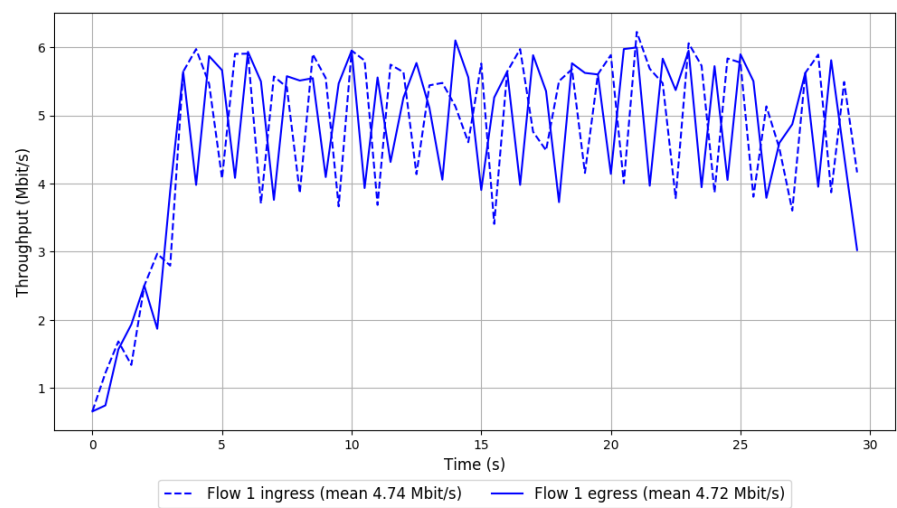
-- Flow 1:

Average throughput: 4.72 Mbit/s

95th percentile per-packet one-way delay: 86.829 ms

Loss rate: 0.79%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

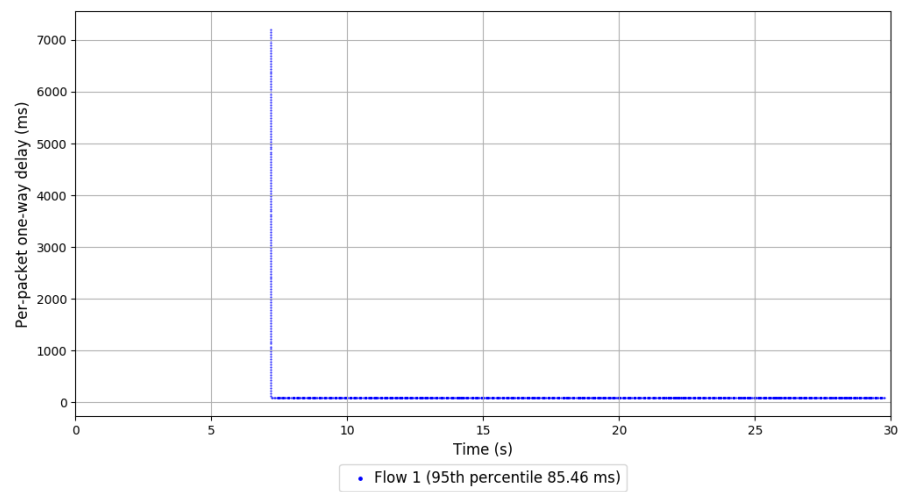
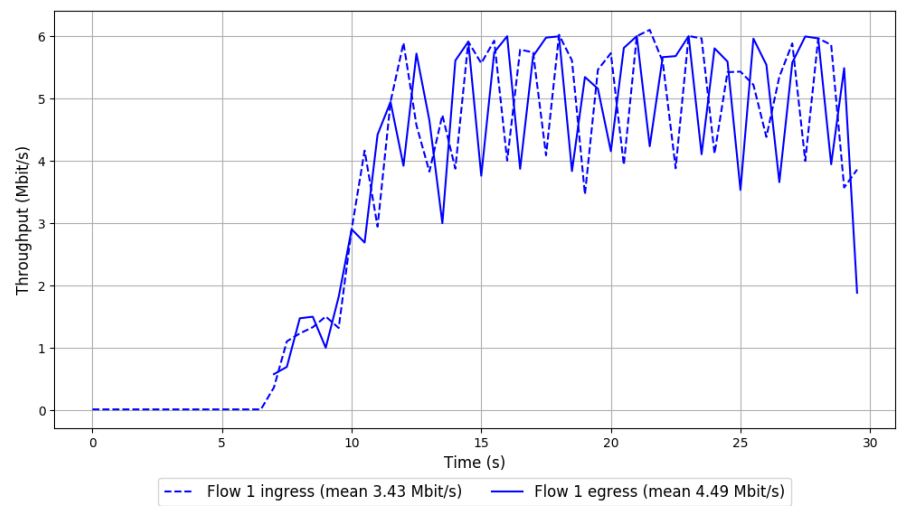
Start at: 2017-09-17 12:10:54

End at: 2017-09-17 12:11:24

Local clock offset: -9.895 ms

Remote clock offset: -8.338 ms

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2017-09-17 09:24:36

End at: 2017-09-17 09:25:06

Local clock offset: -9.697 ms

Remote clock offset: -8.228 ms

# Below is generated by plot.py at 2017-09-17 16:35:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 273.95 Mbit/s

95th percentile per-packet one-way delay: 85.346 ms

Loss rate: 0.00%

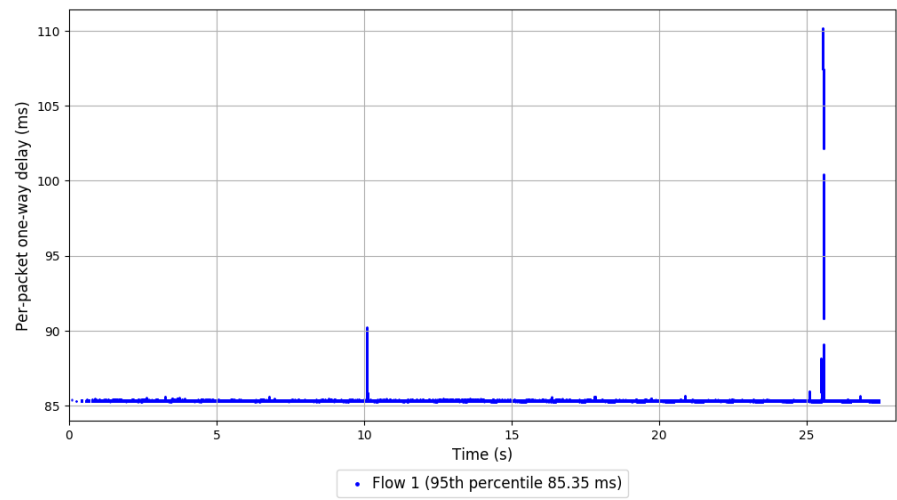
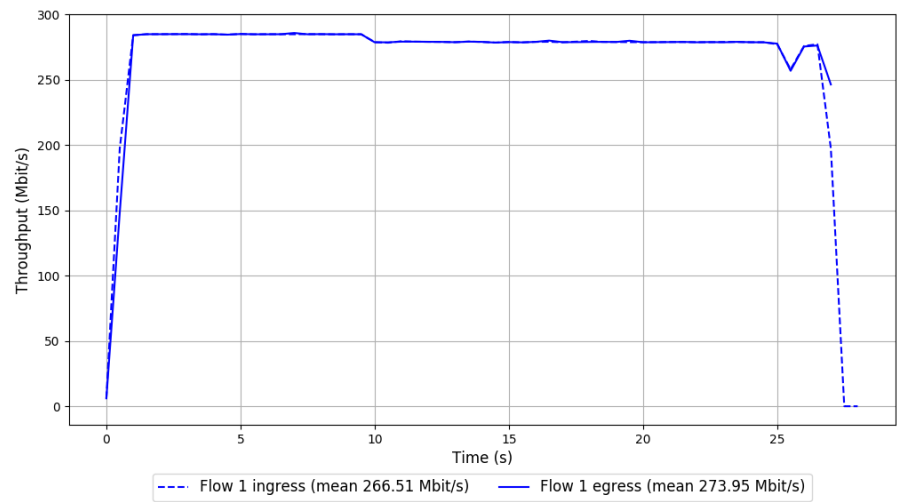
-- Flow 1:

Average throughput: 273.95 Mbit/s

95th percentile per-packet one-way delay: 85.346 ms

Loss rate: 0.00%

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

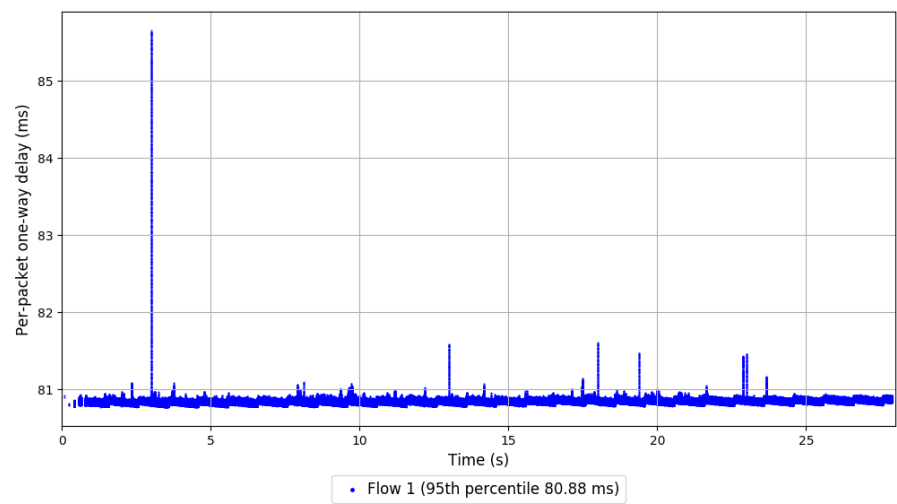
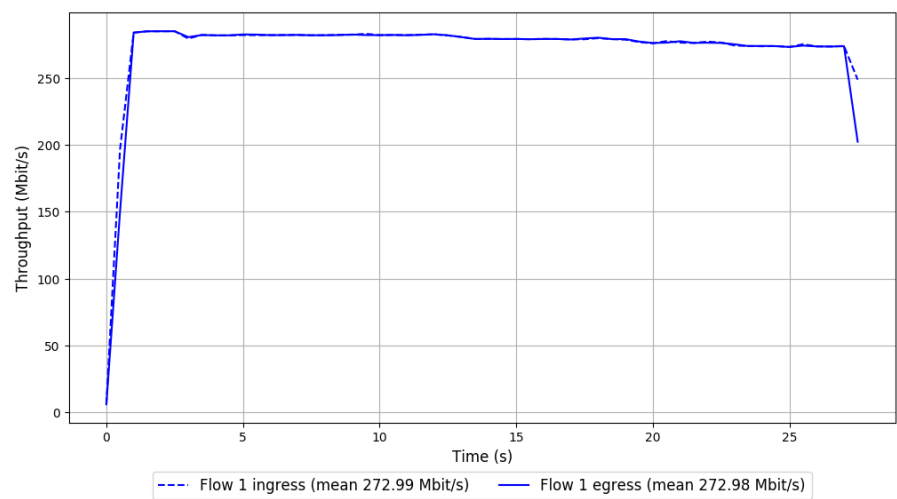


Run 2: Statistics of TaoVA-100x

Start at: 2017-09-17 09:44:02  
End at: 2017-09-17 09:44:33  
Local clock offset: -10.666 ms  
Remote clock offset: -3.848 ms

# Below is generated by plot.py at 2017-09-17 16:35:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 272.98 Mbit/s  
95th percentile per-packet one-way delay: 80.879 ms  
Loss rate: 0.60%  
-- Flow 1:  
Average throughput: 272.98 Mbit/s  
95th percentile per-packet one-way delay: 80.879 ms  
Loss rate: 0.60%

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

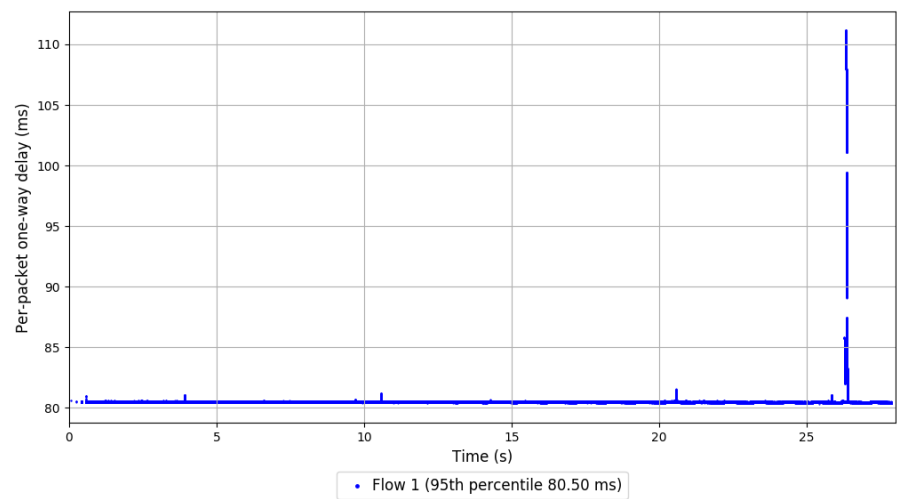
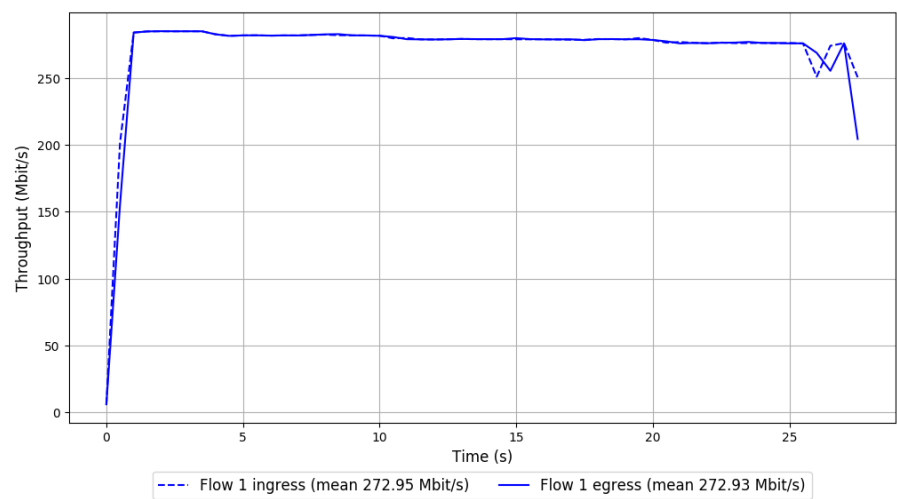


Run 3: Statistics of TaoVA-100x

Start at: 2017-09-17 10:03:25  
End at: 2017-09-17 10:03:55  
Local clock offset: -9.457 ms  
Remote clock offset: -4.514 ms

# Below is generated by plot.py at 2017-09-17 16:35:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 272.93 Mbit/s  
95th percentile per-packet one-way delay: 80.505 ms  
Loss rate: 0.60%  
-- Flow 1:  
Average throughput: 272.93 Mbit/s  
95th percentile per-packet one-way delay: 80.505 ms  
Loss rate: 0.60%

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



Run 4: Statistics of TaoVA-100x

Start at: 2017-09-17 10:22:53

End at: 2017-09-17 10:23:23

Local clock offset: -8.683 ms

Remote clock offset: -3.903 ms

# Below is generated by plot.py at 2017-09-17 16:35:11

# Datalink statistics

-- Total of 1 flow:

Average throughput: 272.60 Mbit/s

95th percentile per-packet one-way delay: 80.434 ms

Loss rate: 0.59%

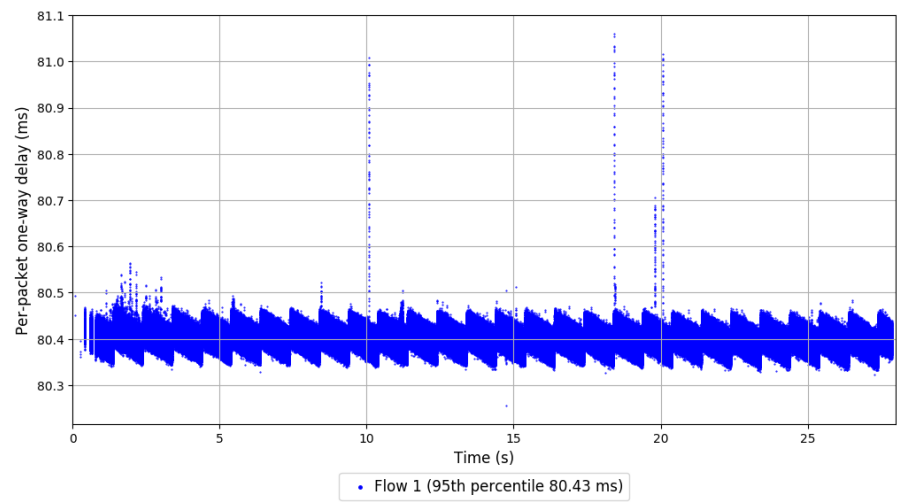
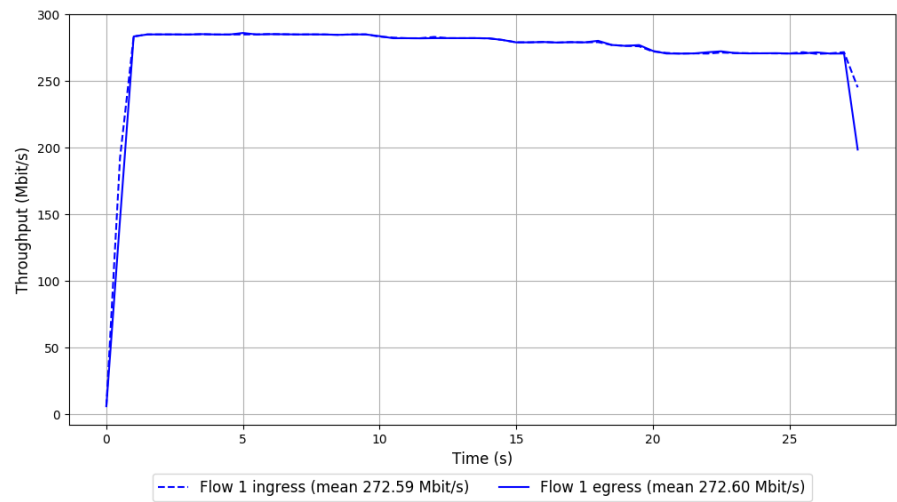
-- Flow 1:

Average throughput: 272.60 Mbit/s

95th percentile per-packet one-way delay: 80.434 ms

Loss rate: 0.59%

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

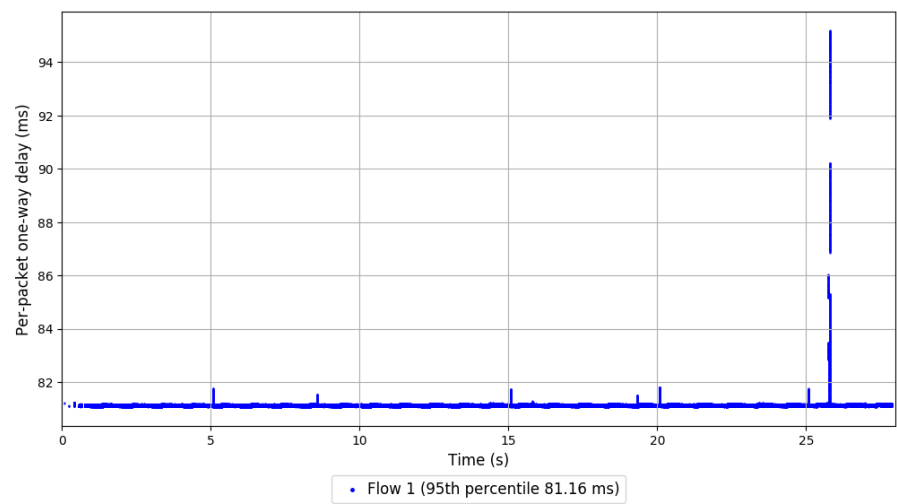
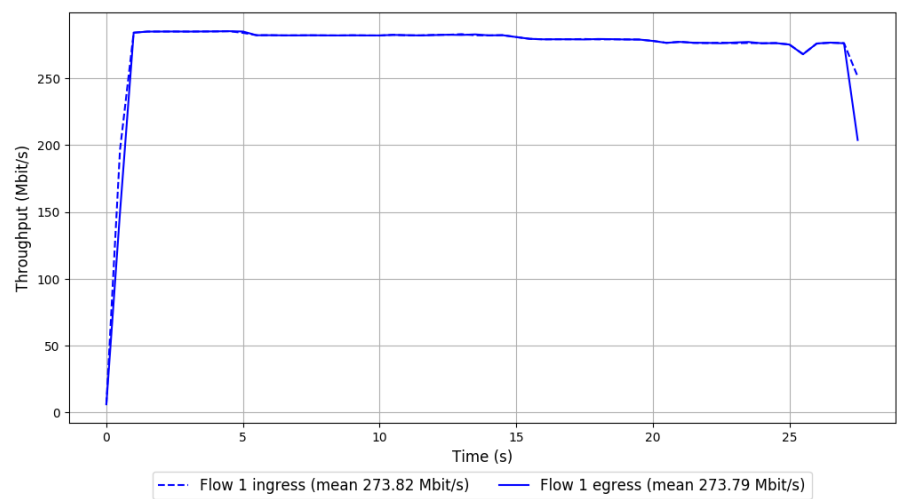


Run 5: Statistics of TaoVA-100x

Start at: 2017-09-17 10:42:12  
End at: 2017-09-17 10:42:42  
Local clock offset: -9.494 ms  
Remote clock offset: -4.767 ms

# Below is generated by plot.py at 2017-09-17 16:35:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 273.79 Mbit/s  
95th percentile per-packet one-way delay: 81.158 ms  
Loss rate: 0.60%  
-- Flow 1:  
Average throughput: 273.79 Mbit/s  
95th percentile per-packet one-way delay: 81.158 ms  
Loss rate: 0.60%

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

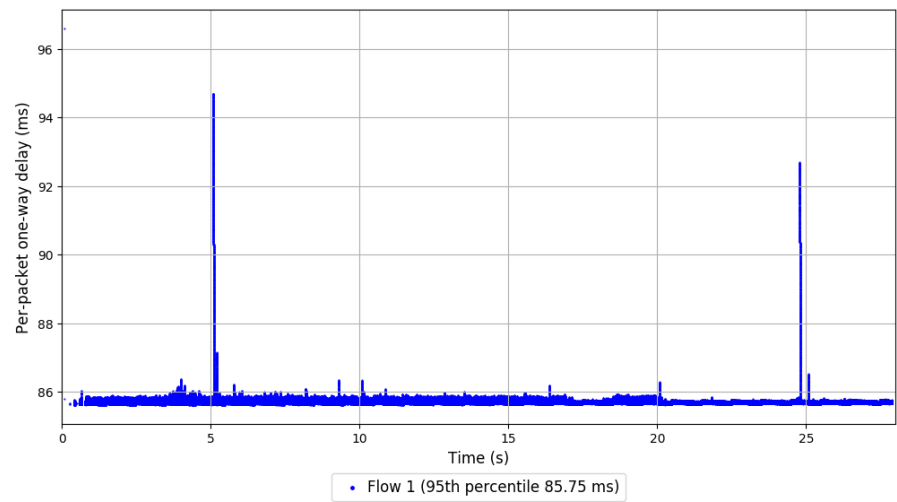
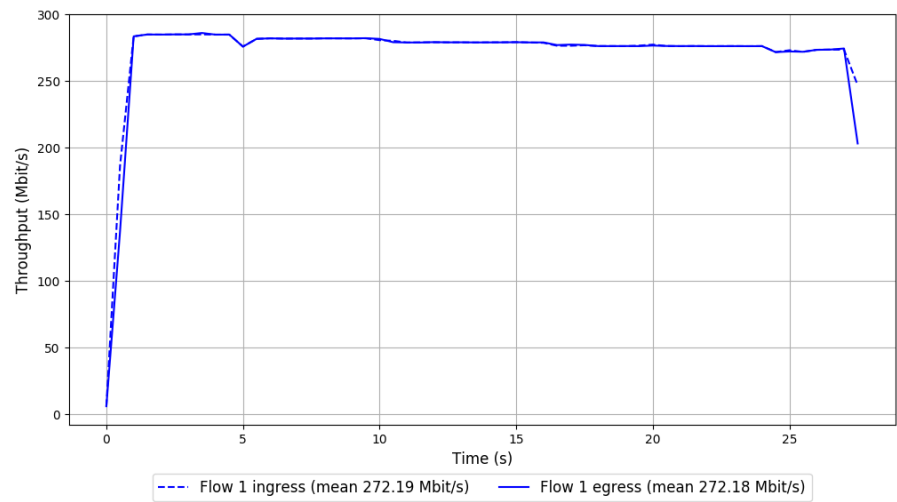


Run 6: Statistics of TaoVA-100x

Start at: 2017-09-17 11:01:35  
End at: 2017-09-17 11:02:05  
Local clock offset: -10.292 ms  
Remote clock offset: -9.469 ms

# Below is generated by plot.py at 2017-09-17 16:35:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 272.18 Mbit/s  
95th percentile per-packet one-way delay: 85.746 ms  
Loss rate: 0.60%  
-- Flow 1:  
Average throughput: 272.18 Mbit/s  
95th percentile per-packet one-way delay: 85.746 ms  
Loss rate: 0.60%

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

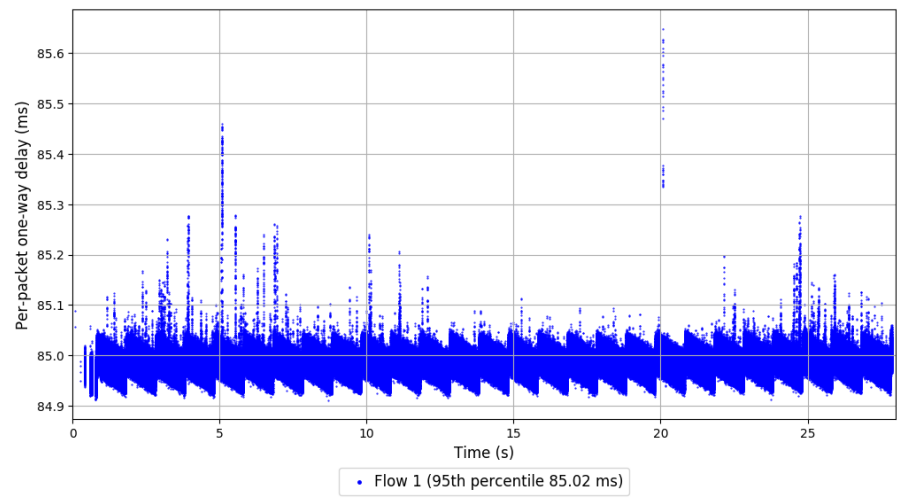
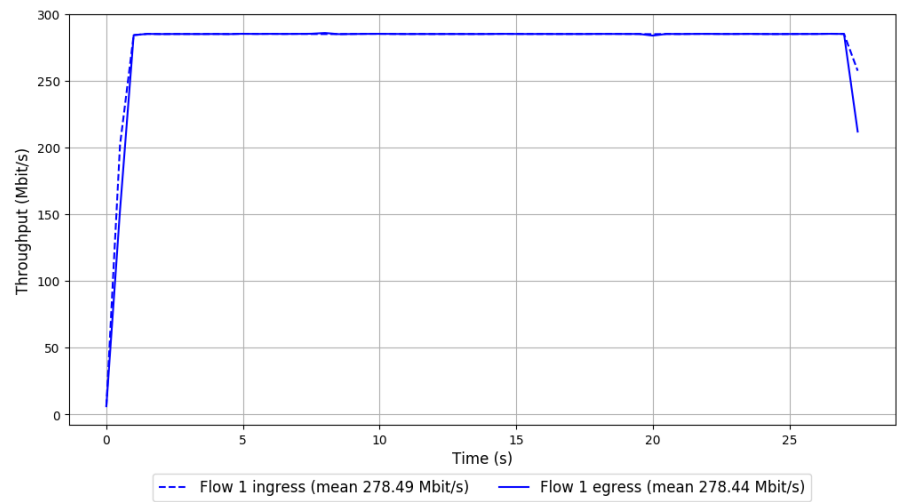


Run 7: Statistics of TaoVA-100x

Start at: 2017-09-17 11:21:42  
End at: 2017-09-17 11:22:12  
Local clock offset: -10.508 ms  
Remote clock offset: -9.111 ms

# Below is generated by plot.py at 2017-09-17 16:36:02  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 278.44 Mbit/s  
95th percentile per-packet one-way delay: 85.019 ms  
Loss rate: 0.61%  
-- Flow 1:  
Average throughput: 278.44 Mbit/s  
95th percentile per-packet one-way delay: 85.019 ms  
Loss rate: 0.61%

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



Run 8: Statistics of TaoVA-100x

Start at: 2017-09-17 11:38:53

End at: 2017-09-17 11:39:24

Local clock offset: -10.286 ms

# Below is generated by plot.py at 2017-09-17 16:37:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 274.66 Mbit/s

95th percentile per-packet one-way delay: 86.752 ms

Loss rate: 0.60%

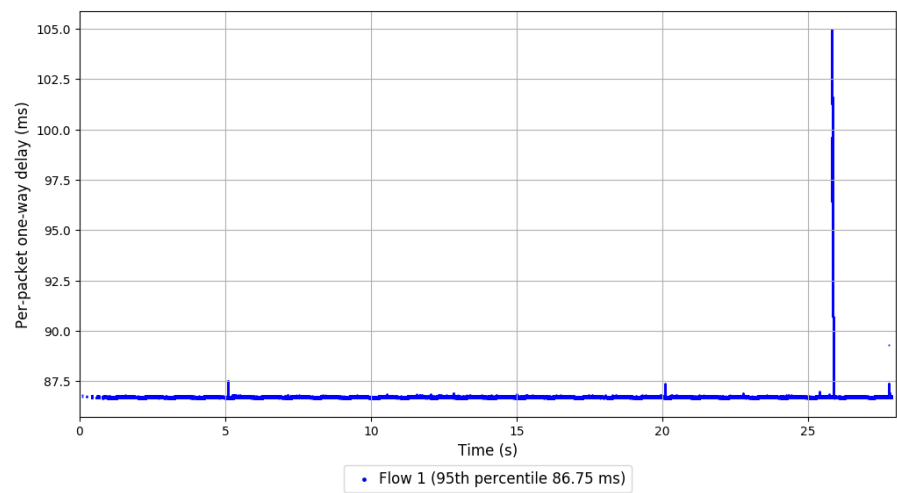
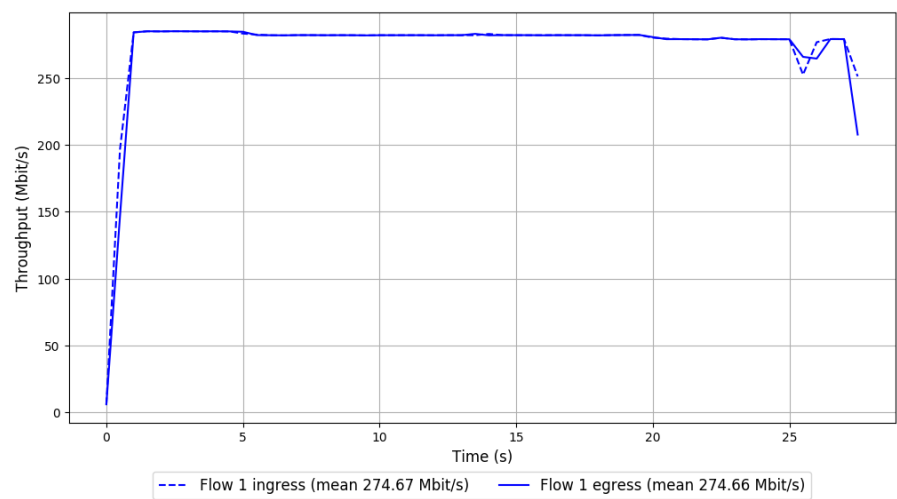
-- Flow 1:

Average throughput: 274.66 Mbit/s

95th percentile per-packet one-way delay: 86.752 ms

Loss rate: 0.60%

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

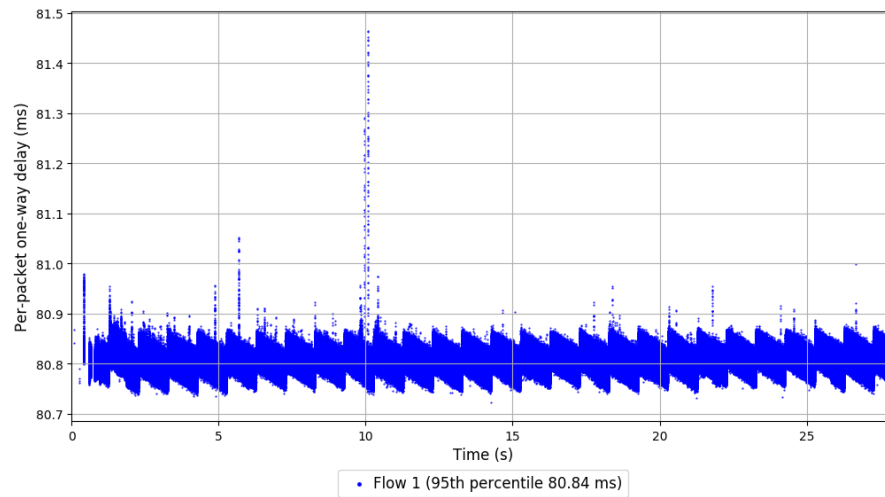
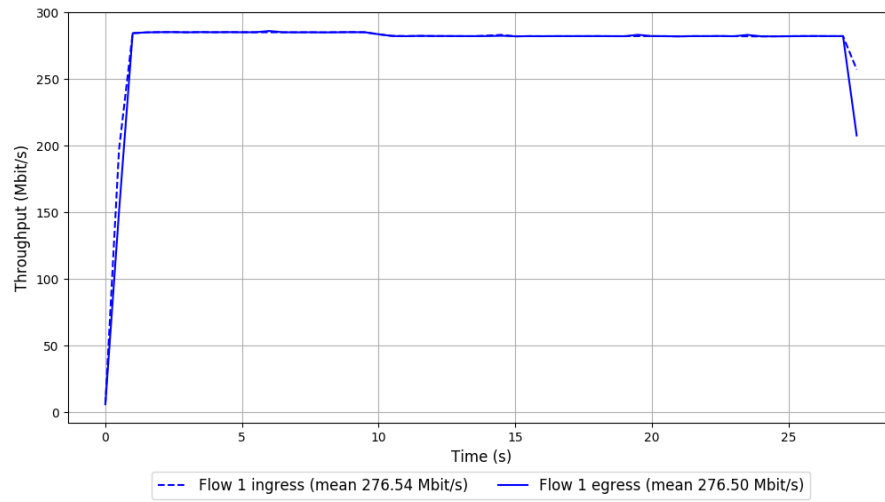


Run 9: Statistics of TaoVA-100x

Start at: 2017-09-17 11:56:41  
End at: 2017-09-17 11:57:11  
Local clock offset: -10.098 ms  
Remote clock offset: -3.784 ms

# Below is generated by plot.py at 2017-09-17 16:41:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 276.50 Mbit/s  
95th percentile per-packet one-way delay: 80.841 ms  
Loss rate: 0.61%  
-- Flow 1:  
Average throughput: 276.50 Mbit/s  
95th percentile per-packet one-way delay: 80.841 ms  
Loss rate: 0.61%

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



Run 10: Statistics of TaoVA-100x

Start at: 2017-09-17 12:17:11

End at: 2017-09-17 12:17:41

Local clock offset: -9.92 ms

Remote clock offset: -3.8 ms

# Below is generated by plot.py at 2017-09-17 16:41:59

# Datalink statistics

-- Total of 1 flow:

Average throughput: 275.37 Mbit/s

95th percentile per-packet one-way delay: 80.641 ms

Loss rate: 0.59%

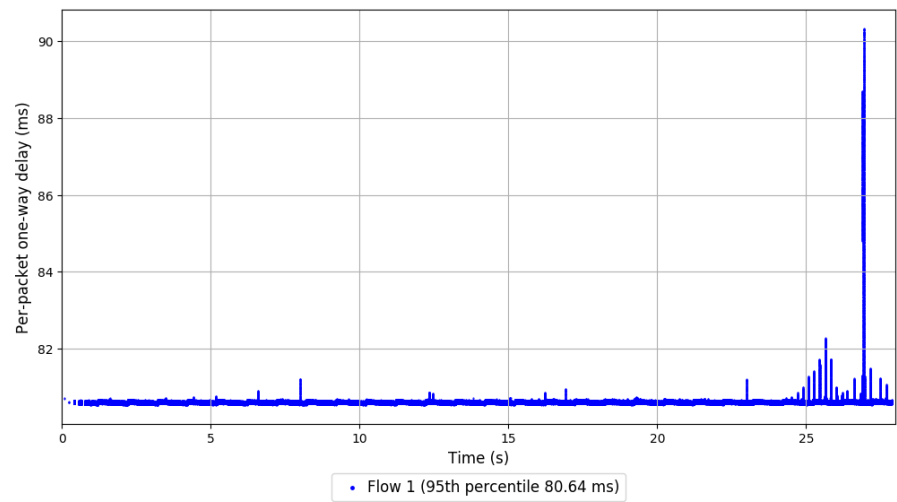
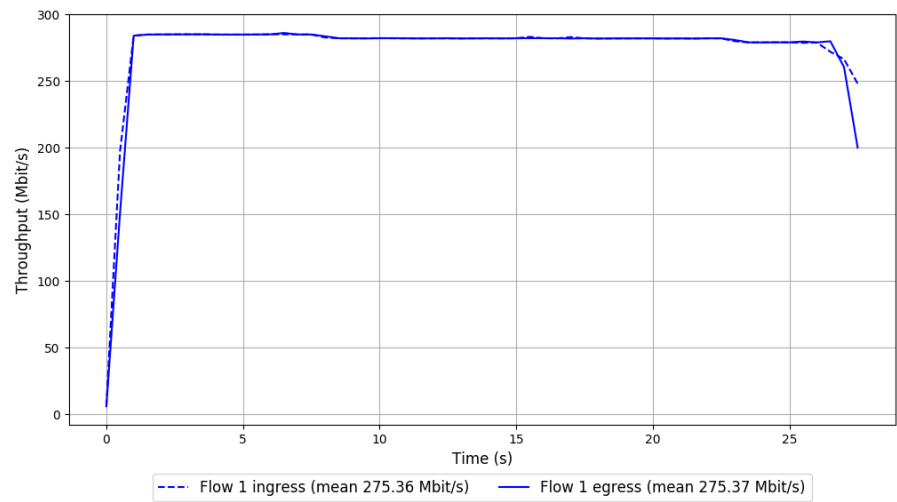
-- Flow 1:

Average throughput: 275.37 Mbit/s

95th percentile per-packet one-way delay: 80.641 ms

Loss rate: 0.59%

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

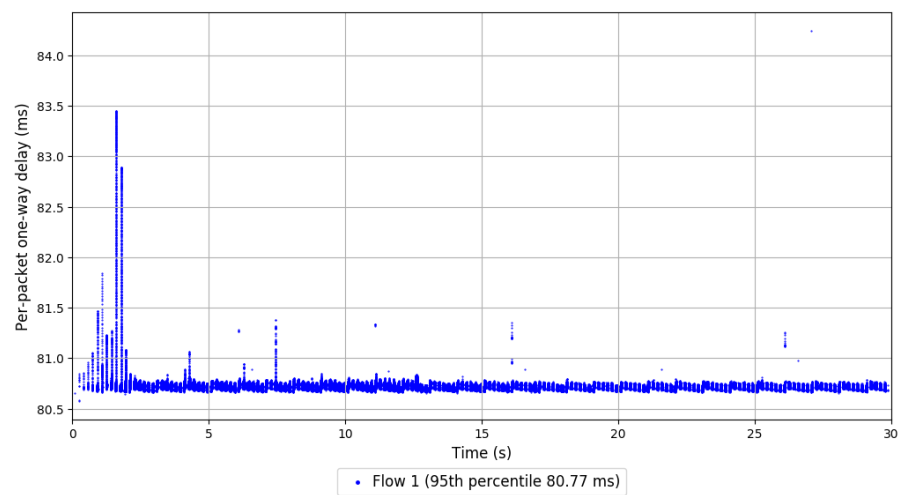
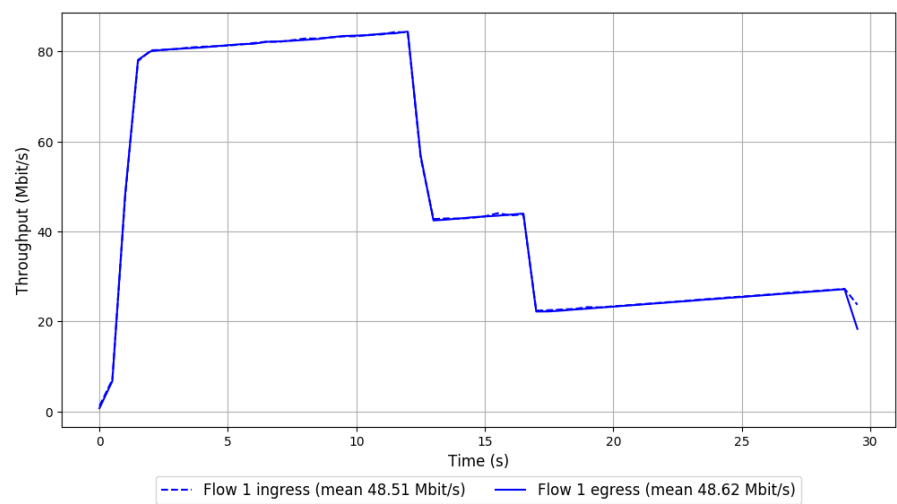


Run 1: Statistics of TCP Vegas

Start at: 2017-09-17 09:27:51  
End at: 2017-09-17 09:28:21  
Local clock offset: -9.722 ms  
Remote clock offset: -3.859 ms

# Below is generated by plot.py at 2017-09-17 16:41:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 48.62 Mbit/s  
95th percentile per-packet one-way delay: 80.765 ms  
Loss rate: 0.32%  
-- Flow 1:  
Average throughput: 48.62 Mbit/s  
95th percentile per-packet one-way delay: 80.765 ms  
Loss rate: 0.32%

Run 1: Report of TCP Vegas — Data Link

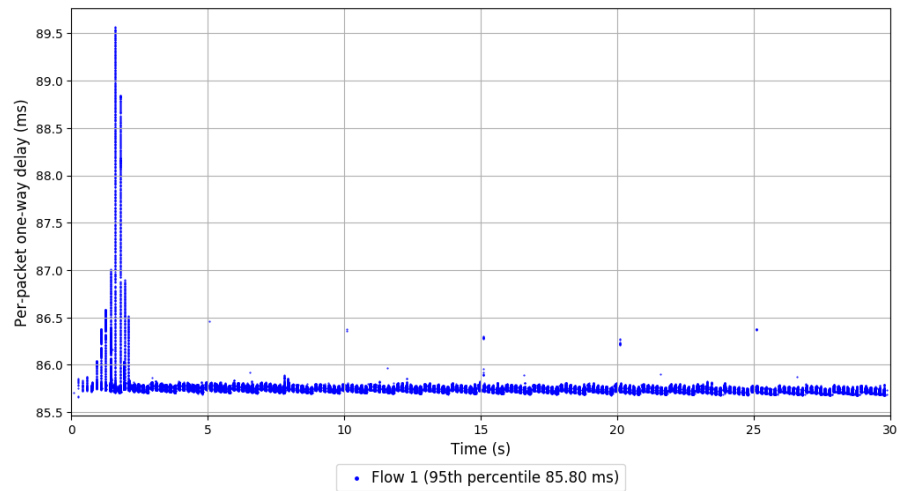
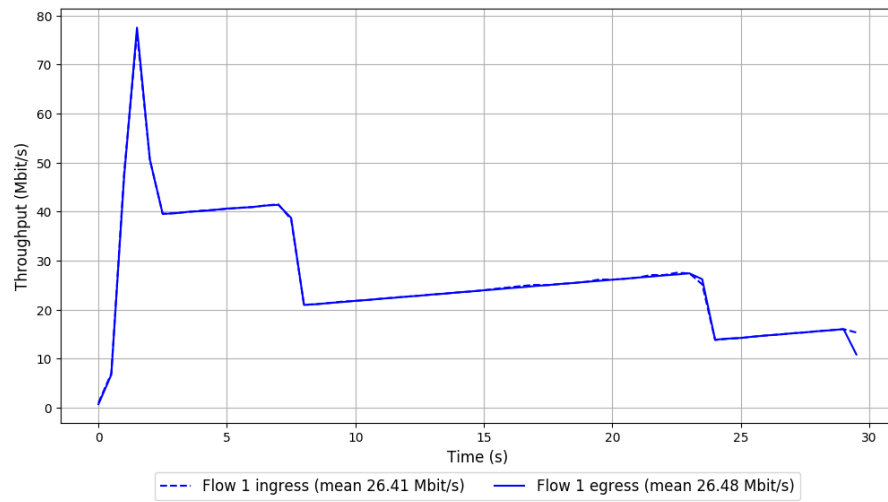


Run 2: Statistics of TCP Vegas

Start at: 2017-09-17 09:47:14  
End at: 2017-09-17 09:47:44  
Local clock offset: -10.796 ms  
Remote clock offset: -9.298 ms

# Below is generated by plot.py at 2017-09-17 16:41:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 26.48 Mbit/s  
95th percentile per-packet one-way delay: 85.801 ms  
Loss rate: 0.35%  
-- Flow 1:  
Average throughput: 26.48 Mbit/s  
95th percentile per-packet one-way delay: 85.801 ms  
Loss rate: 0.35%

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

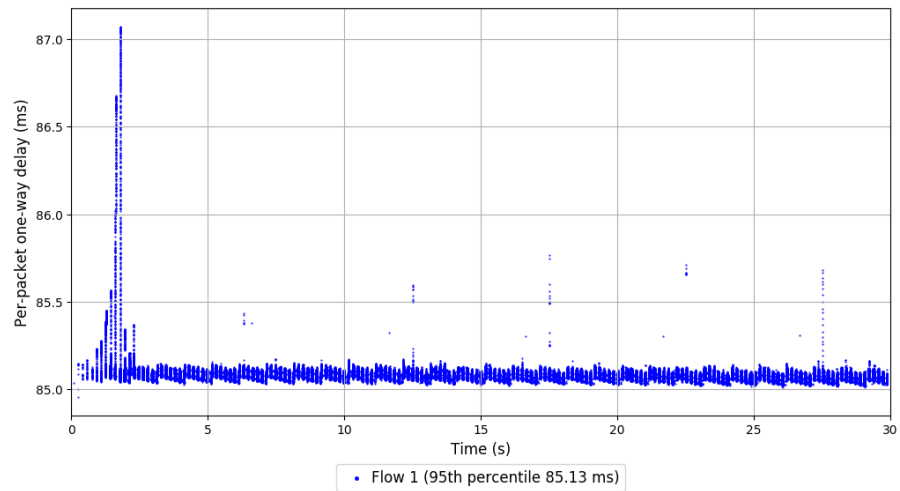
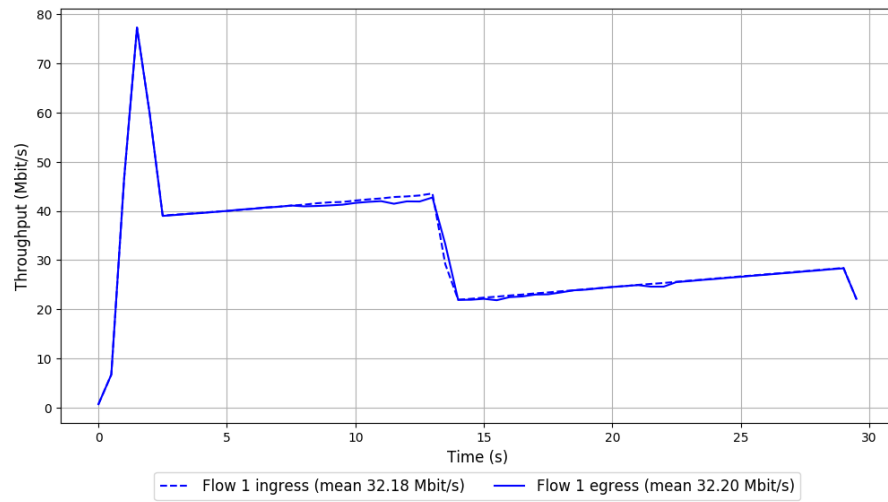


Run 3: Statistics of TCP Vegas

Start at: 2017-09-17 10:06:39  
End at: 2017-09-17 10:07:09  
Local clock offset: -9.177 ms  
Remote clock offset: -8.651 ms

# Below is generated by plot.py at 2017-09-17 16:41:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 32.20 Mbit/s  
95th percentile per-packet one-way delay: 85.129 ms  
Loss rate: 0.48%  
-- Flow 1:  
Average throughput: 32.20 Mbit/s  
95th percentile per-packet one-way delay: 85.129 ms  
Loss rate: 0.48%

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

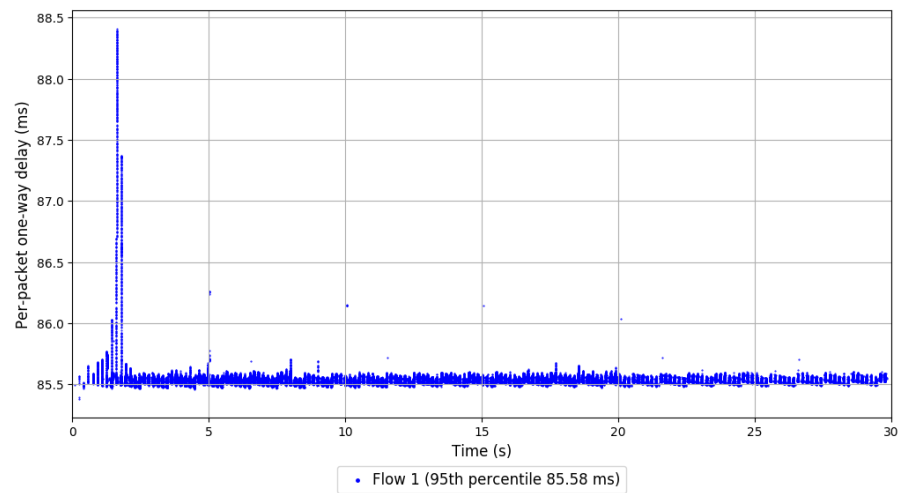
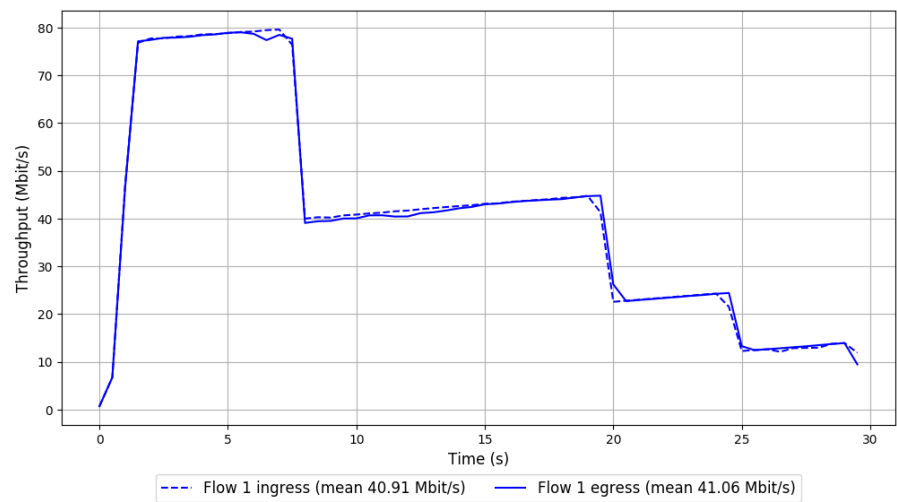


Run 4: Statistics of TCP Vegas

Start at: 2017-09-17 10:26:05  
End at: 2017-09-17 10:26:35  
Local clock offset: -8.728 ms  
Remote clock offset: -9.246 ms

# Below is generated by plot.py at 2017-09-17 16:41:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 41.06 Mbit/s  
95th percentile per-packet one-way delay: 85.578 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 41.06 Mbit/s  
95th percentile per-packet one-way delay: 85.578 ms  
Loss rate: 0.20%

Run 4: Report of TCP Vegas — Data Link

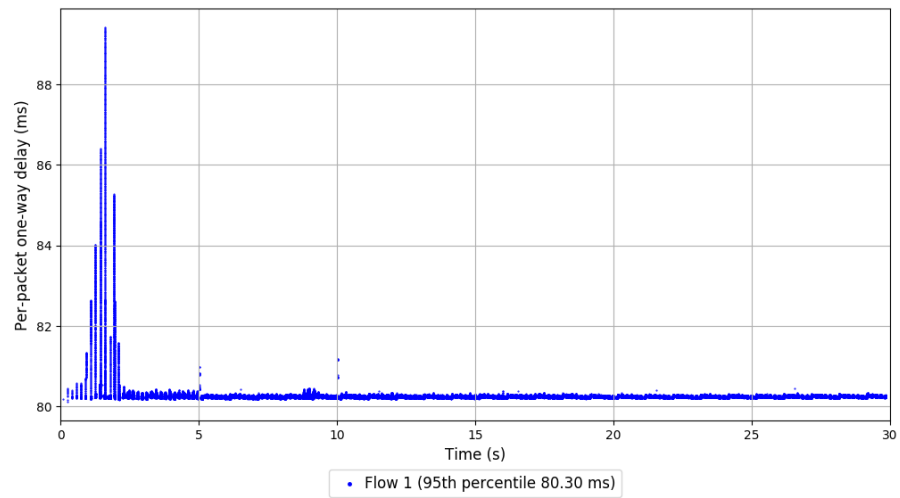
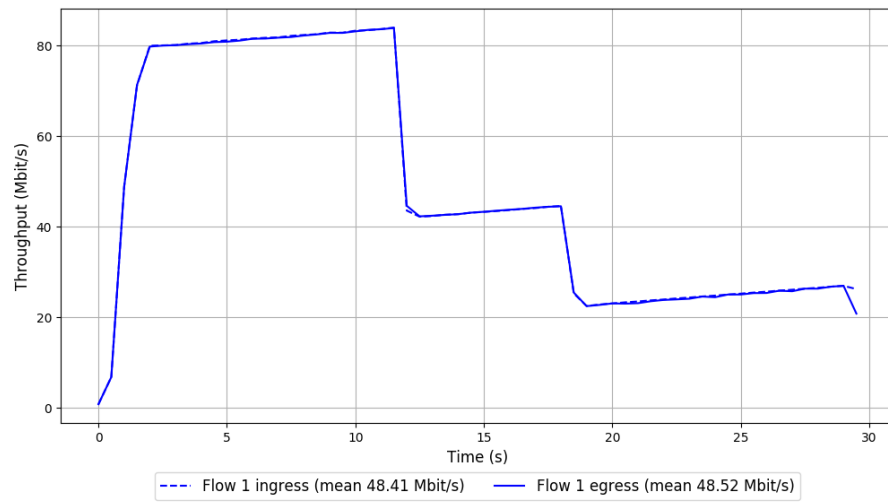


Run 5: Statistics of TCP Vegas

Start at: 2017-09-17 10:45:21  
End at: 2017-09-17 10:45:51  
Local clock offset: -9.6 ms  
Remote clock offset: -4.134 ms

# Below is generated by plot.py at 2017-09-17 16:41:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 48.52 Mbit/s  
95th percentile per-packet one-way delay: 80.297 ms  
Loss rate: 0.31%  
-- Flow 1:  
Average throughput: 48.52 Mbit/s  
95th percentile per-packet one-way delay: 80.297 ms  
Loss rate: 0.31%

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

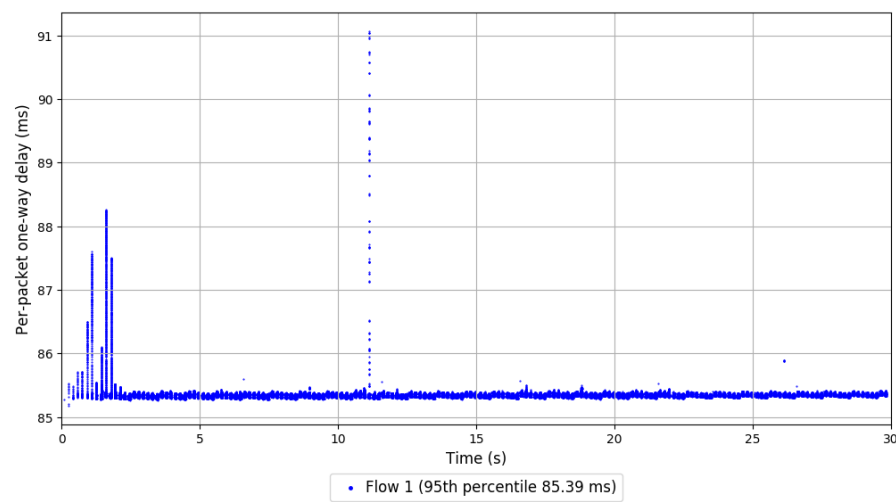
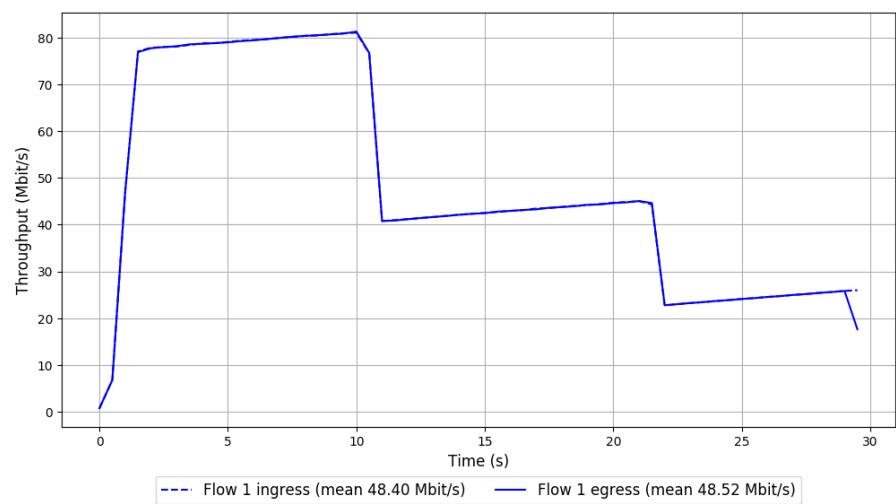


Run 6: Statistics of TCP Vegas

Start at: 2017-09-17 11:05:08  
End at: 2017-09-17 11:05:38  
Local clock offset: -10.495 ms  
Remote clock offset: -9.383 ms

# Below is generated by plot.py at 2017-09-17 16:41:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 48.52 Mbit/s  
95th percentile per-packet one-way delay: 85.387 ms  
Loss rate: 0.30%  
-- Flow 1:  
Average throughput: 48.52 Mbit/s  
95th percentile per-packet one-way delay: 85.387 ms  
Loss rate: 0.30%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2017-09-17 11:25:16

End at: 2017-09-17 11:25:46

Local clock offset: -10.589 ms

# Below is generated by plot.py at 2017-09-17 16:41:59

# Datalink statistics

-- Total of 1 flow:

Average throughput: 43.63 Mbit/s

95th percentile per-packet one-way delay: 86.851 ms

Loss rate: 0.34%

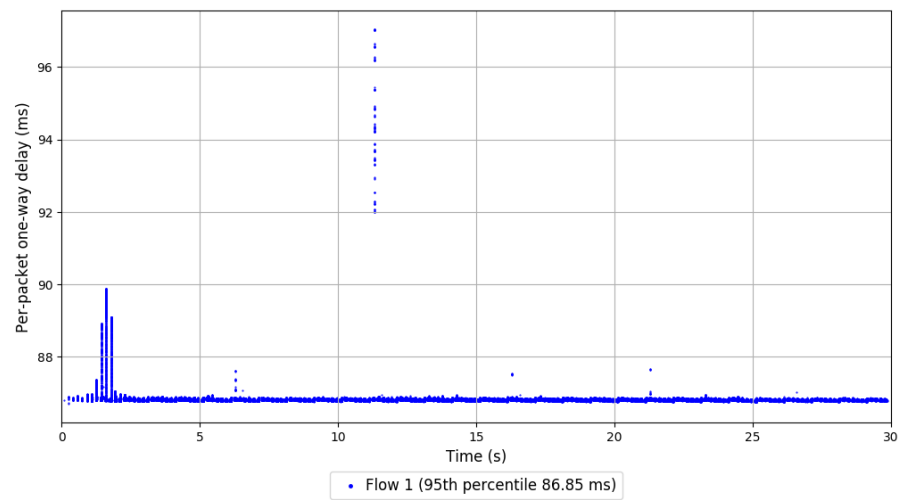
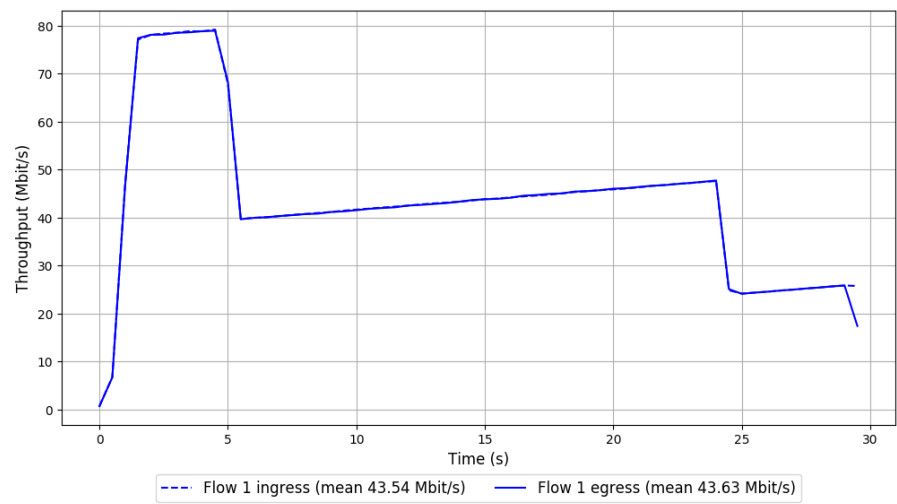
-- Flow 1:

Average throughput: 43.63 Mbit/s

95th percentile per-packet one-way delay: 86.851 ms

Loss rate: 0.34%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2017-09-17 11:42:13

End at: 2017-09-17 11:42:43

Local clock offset: -10.236 ms

# Below is generated by plot.py at 2017-09-17 16:41:59

# Datalink statistics

-- Total of 1 flow:

Average throughput: 43.69 Mbit/s

95th percentile per-packet one-way delay: 86.764 ms

Loss rate: 0.34%

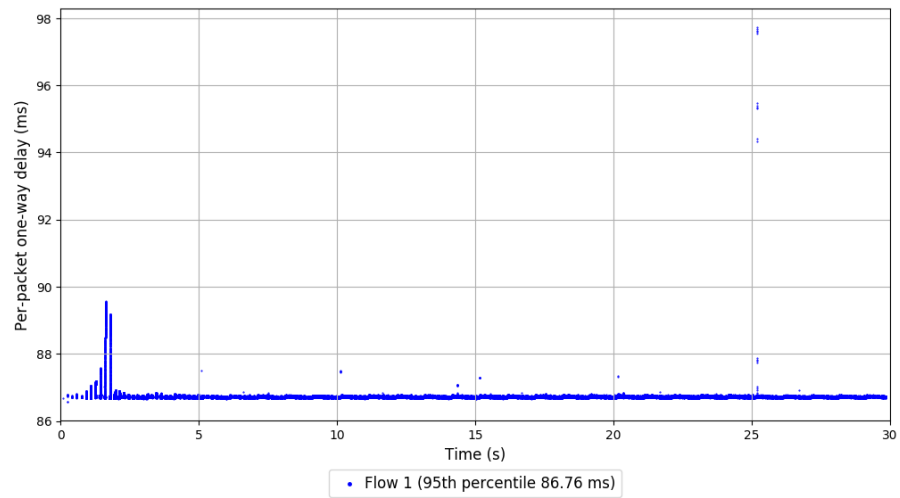
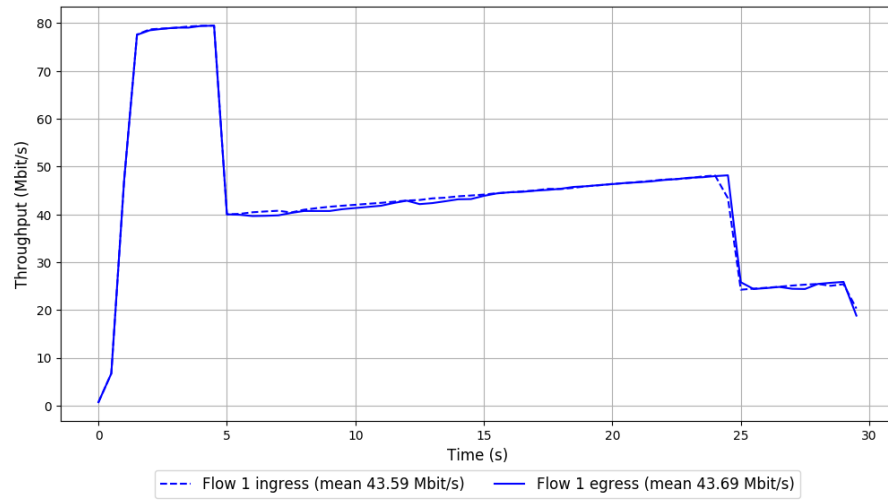
-- Flow 1:

Average throughput: 43.69 Mbit/s

95th percentile per-packet one-way delay: 86.764 ms

Loss rate: 0.34%

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

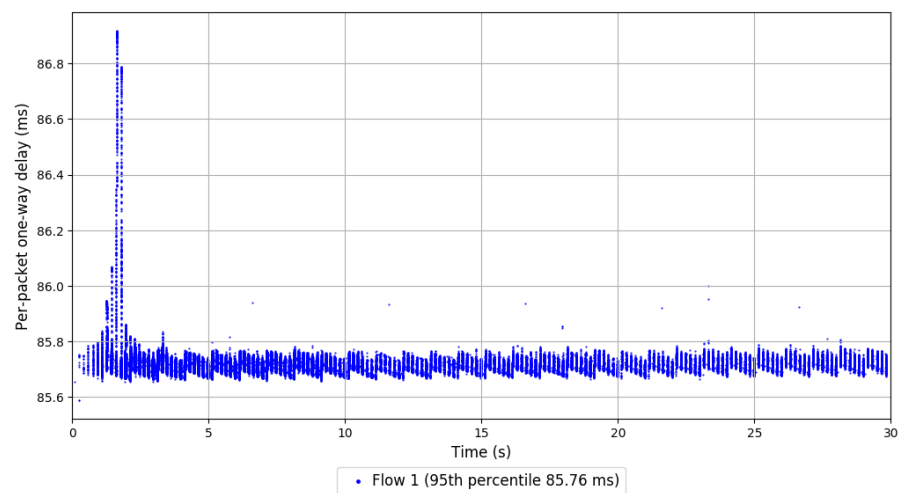
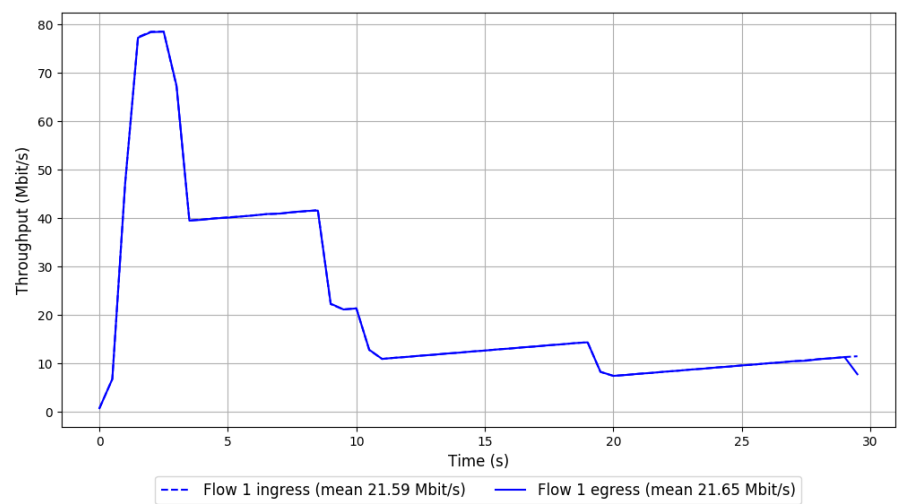


Run 9: Statistics of TCP Vegas

Start at: 2017-09-17 12:00:18  
End at: 2017-09-17 12:00:48  
Local clock offset: -10.029 ms  
Remote clock offset: -8.843 ms

# Below is generated by plot.py at 2017-09-17 16:41:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 21.65 Mbit/s  
95th percentile per-packet one-way delay: 85.762 ms  
Loss rate: 0.30%  
-- Flow 1:  
Average throughput: 21.65 Mbit/s  
95th percentile per-packet one-way delay: 85.762 ms  
Loss rate: 0.30%

Run 9: Report of TCP Vegas — Data Link

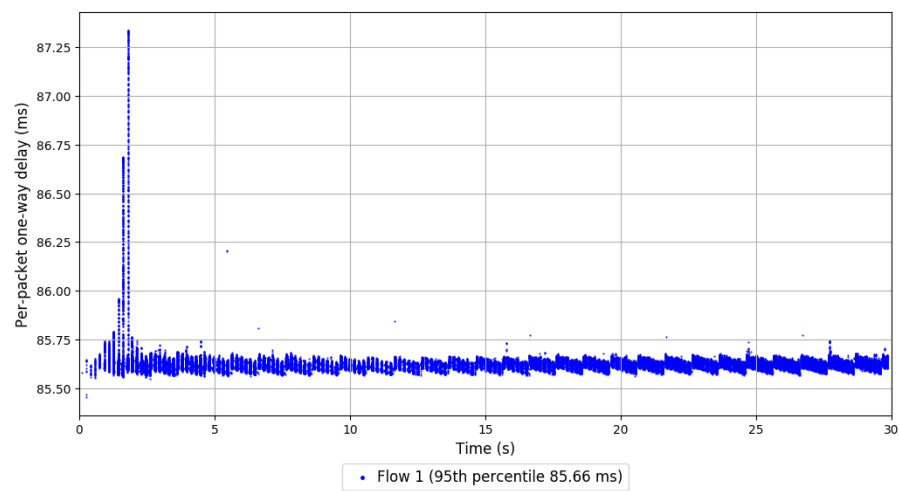
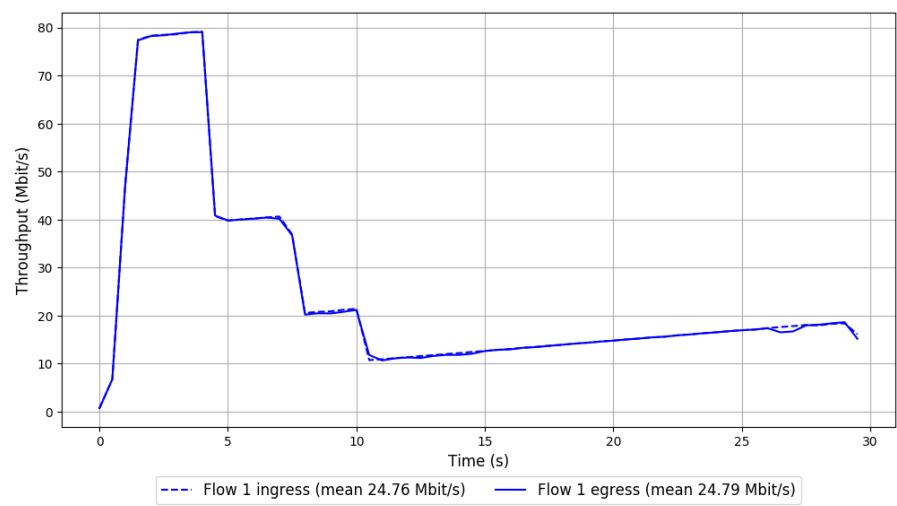


Run 10: Statistics of TCP Vegas

Start at: 2017-09-17 12:20:50  
End at: 2017-09-17 12:21:20  
Local clock offset: -9.999 ms  
Remote clock offset: -8.495 ms

# Below is generated by plot.py at 2017-09-17 16:41:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.79 Mbit/s  
95th percentile per-packet one-way delay: 85.661 ms  
Loss rate: 0.43%  
-- Flow 1:  
Average throughput: 24.79 Mbit/s  
95th percentile per-packet one-way delay: 85.661 ms  
Loss rate: 0.43%

Run 10: Report of TCP Vegas — Data Link

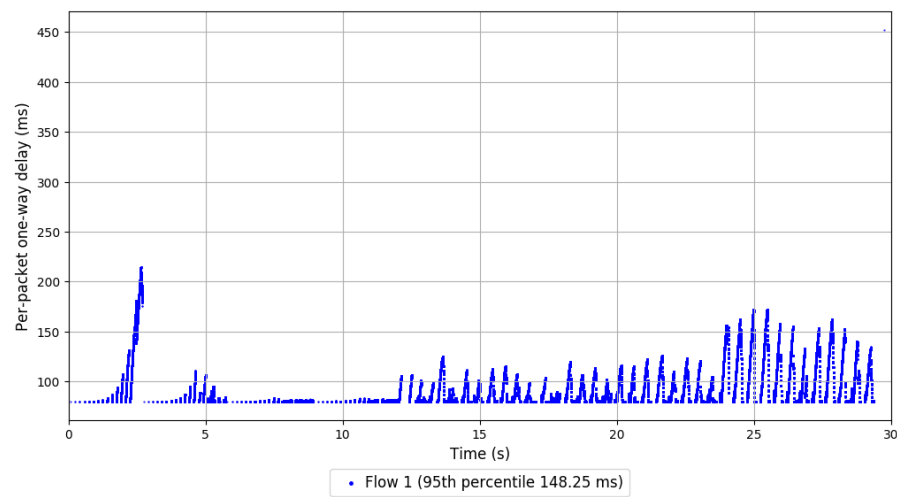
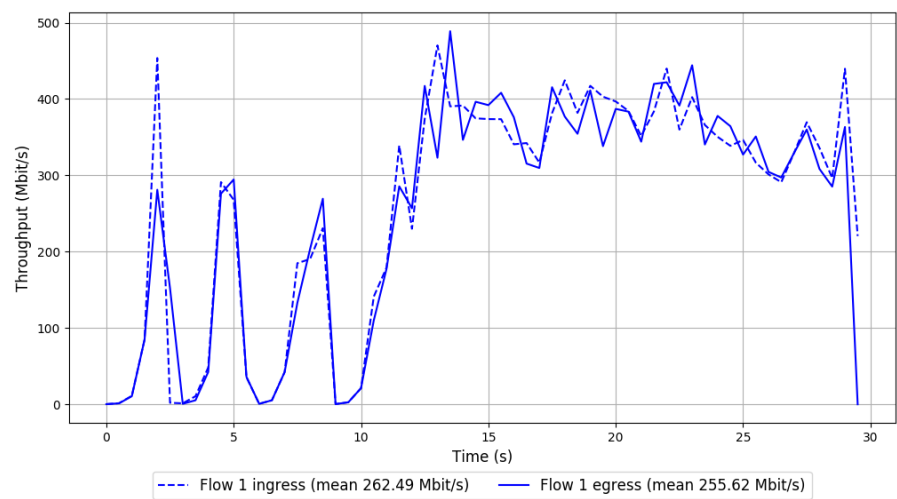


Run 1: Statistics of Verus

Start at: 2017-09-17 09:14:33  
End at: 2017-09-17 09:15:03  
Local clock offset: -9.893 ms  
Remote clock offset: -2.647 ms

# Below is generated by plot.py at 2017-09-17 16:41:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 255.62 Mbit/s  
95th percentile per-packet one-way delay: 148.251 ms  
Loss rate: 2.50%  
-- Flow 1:  
Average throughput: 255.62 Mbit/s  
95th percentile per-packet one-way delay: 148.251 ms  
Loss rate: 2.50%

Run 1: Report of Verus — Data Link

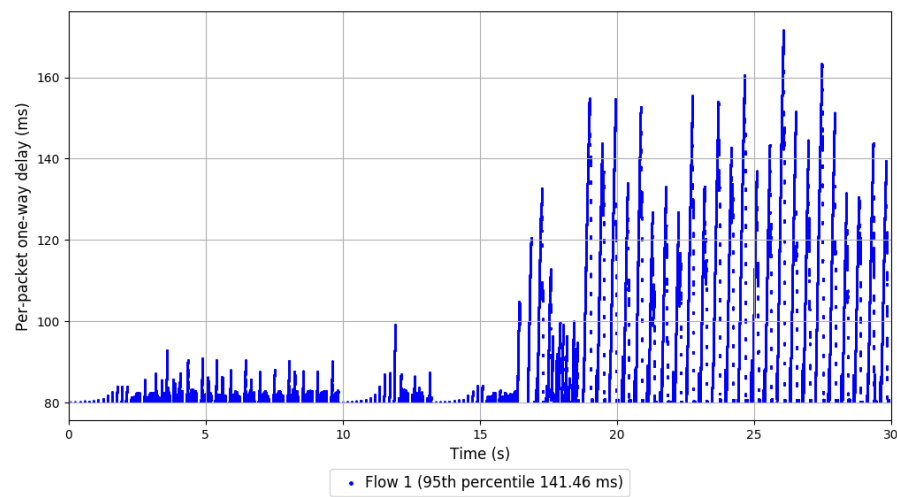
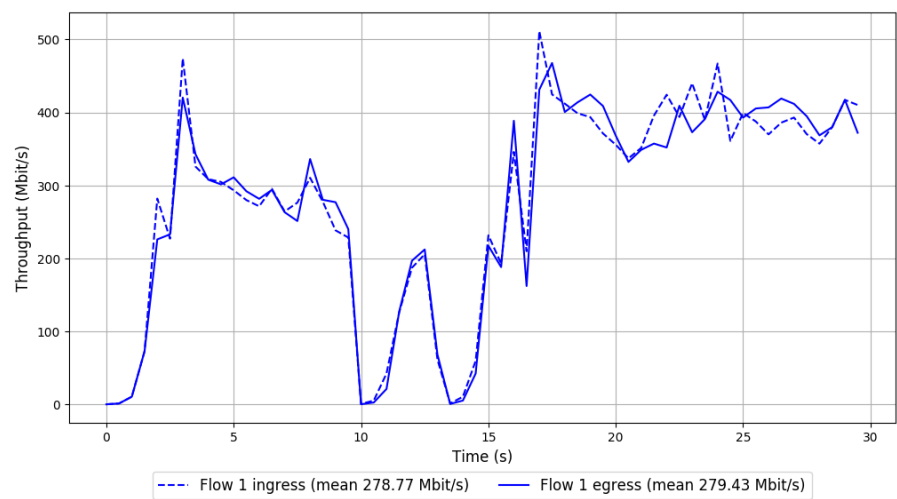


Run 2: Statistics of Verus

Start at: 2017-09-17 09:33:57  
End at: 2017-09-17 09:34:27  
Local clock offset: -9.97 ms  
Remote clock offset: -3.241 ms

# Below is generated by plot.py at 2017-09-17 16:41:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 279.43 Mbit/s  
95th percentile per-packet one-way delay: 141.455 ms  
Loss rate: 0.32%  
-- Flow 1:  
Average throughput: 279.43 Mbit/s  
95th percentile per-packet one-way delay: 141.455 ms  
Loss rate: 0.32%

Run 2: Report of Verus — Data Link

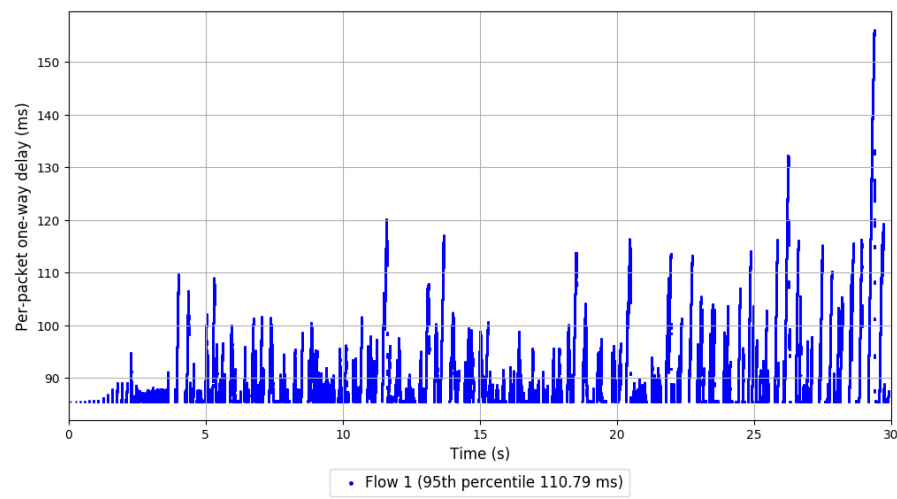
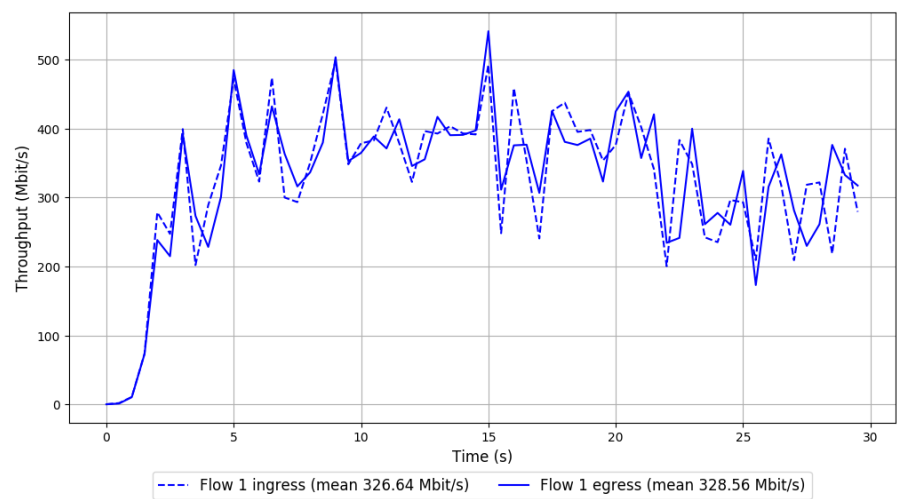


Run 3: Statistics of Verus

Start at: 2017-09-17 09:53:17  
End at: 2017-09-17 09:53:47  
Local clock offset: -10.216 ms  
Remote clock offset: -9.324 ms

# Below is generated by plot.py at 2017-09-17 16:41:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 328.56 Mbit/s  
95th percentile per-packet one-way delay: 110.793 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 328.56 Mbit/s  
95th percentile per-packet one-way delay: 110.793 ms  
Loss rate: 0.00%

Run 3: Report of Verus — Data Link

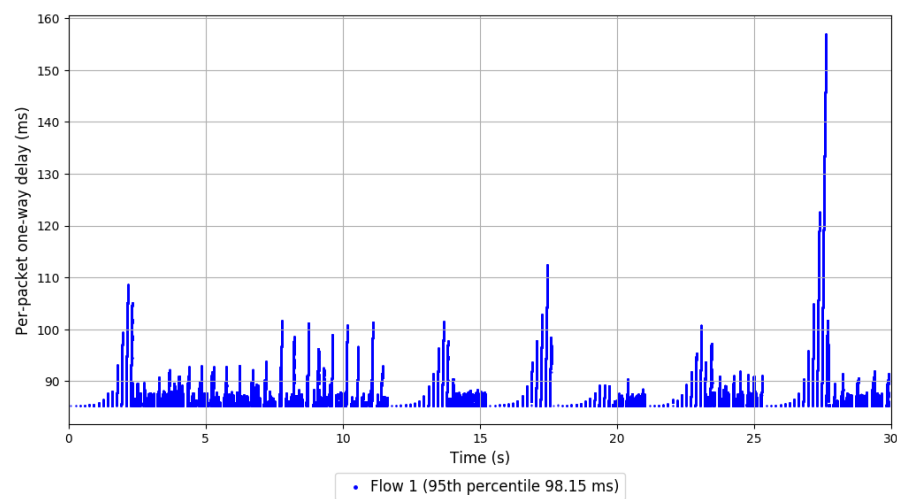
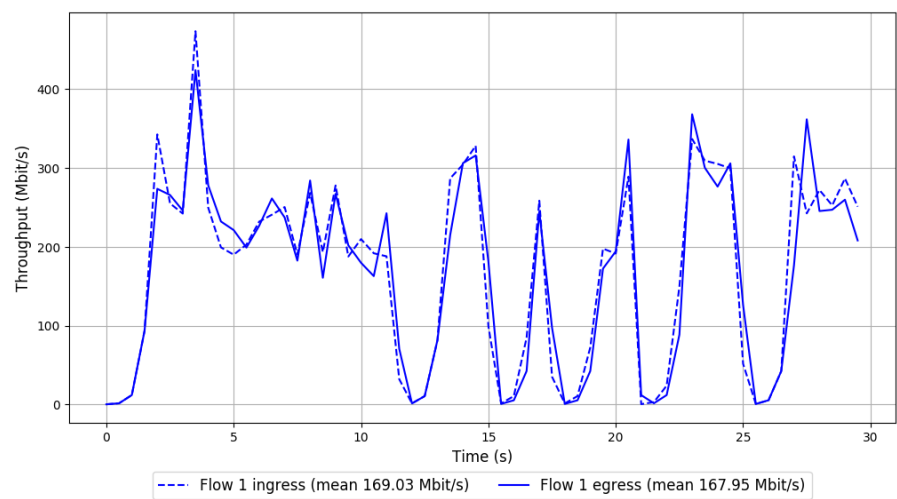


Run 4: Statistics of Verus

Start at: 2017-09-17 10:12:51  
End at: 2017-09-17 10:13:21  
Local clock offset: -8.959 ms  
Remote clock offset: -9.231 ms

# Below is generated by plot.py at 2017-09-17 16:41:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 167.95 Mbit/s  
95th percentile per-packet one-way delay: 98.149 ms  
Loss rate: 1.19%  
-- Flow 1:  
Average throughput: 167.95 Mbit/s  
95th percentile per-packet one-way delay: 98.149 ms  
Loss rate: 1.19%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2017-09-17 10:32:13

End at: 2017-09-17 10:32:43

Local clock offset: -8.951 ms

Remote clock offset: -4.31 ms

# Below is generated by plot.py at 2017-09-17 16:41:59

# Datalink statistics

-- Total of 1 flow:

Average throughput: 170.37 Mbit/s

95th percentile per-packet one-way delay: 115.557 ms

Loss rate: 3.08%

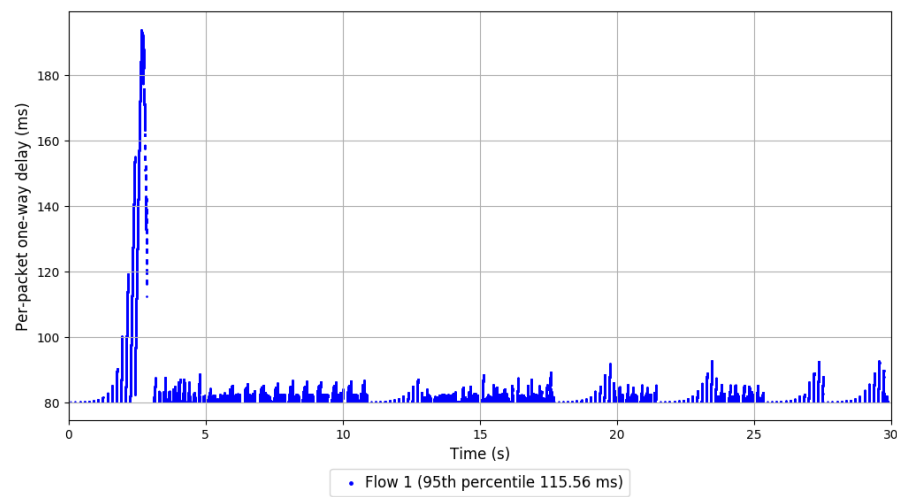
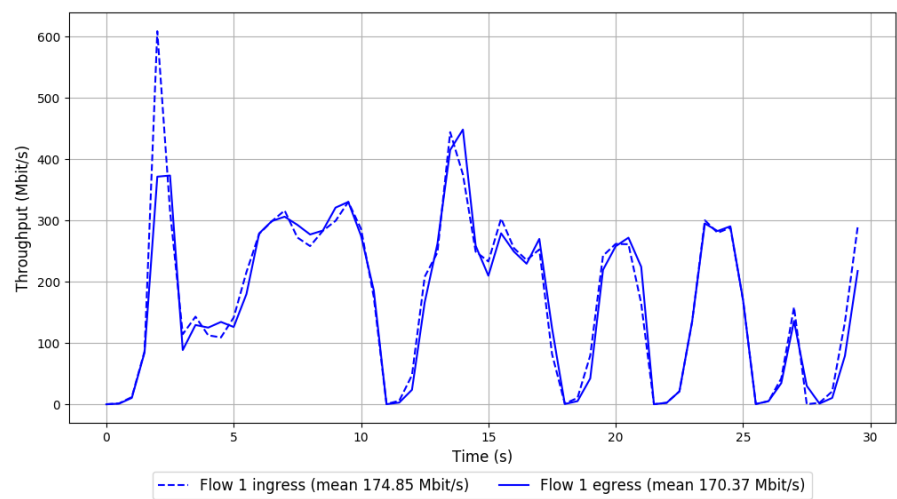
-- Flow 1:

Average throughput: 170.37 Mbit/s

95th percentile per-packet one-way delay: 115.557 ms

Loss rate: 3.08%

Run 5: Report of Verus — Data Link

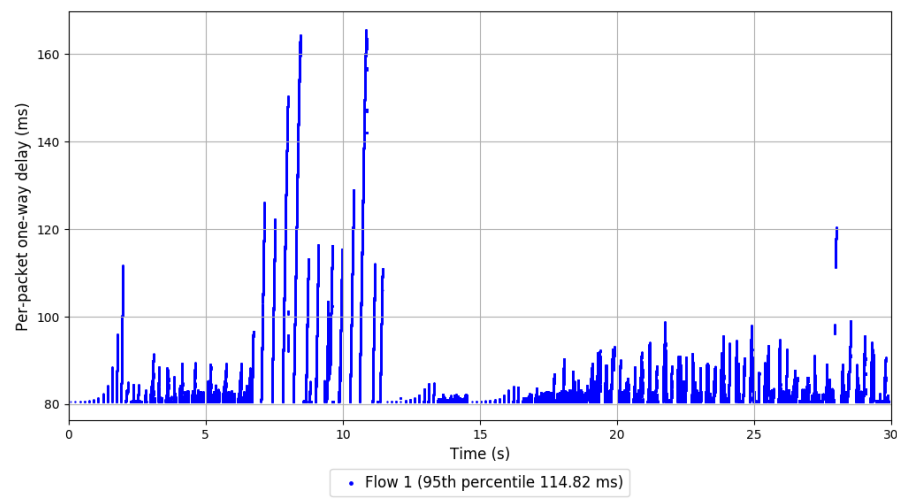
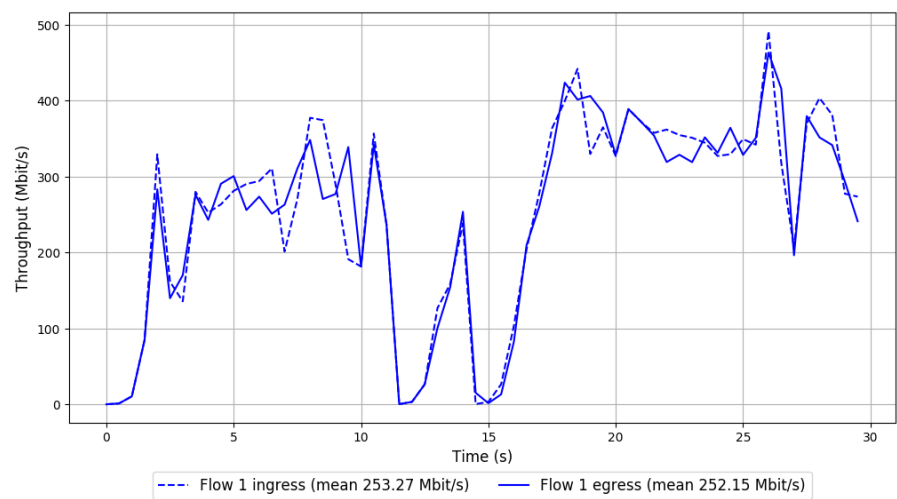


Run 6: Statistics of Verus

Start at: 2017-09-17 10:51:29  
End at: 2017-09-17 10:51:59  
Local clock offset: -9.968 ms  
Remote clock offset: -4.978 ms

# Below is generated by plot.py at 2017-09-17 16:42:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 252.15 Mbit/s  
95th percentile per-packet one-way delay: 114.824 ms  
Loss rate: 0.88%  
-- Flow 1:  
Average throughput: 252.15 Mbit/s  
95th percentile per-packet one-way delay: 114.824 ms  
Loss rate: 0.88%

Run 6: Report of Verus — Data Link

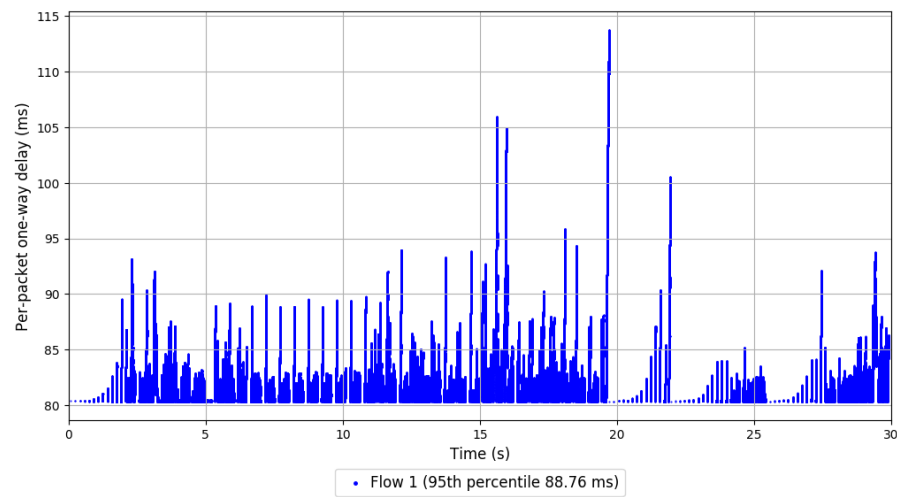
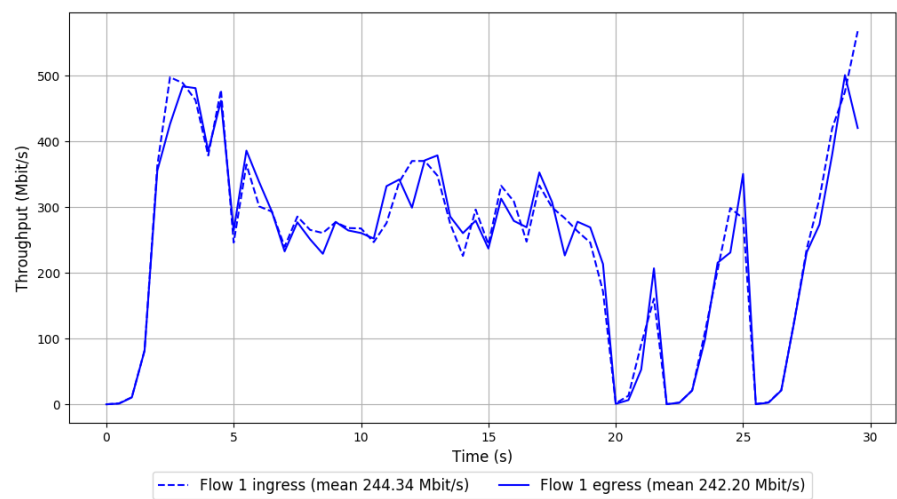


Run 7: Statistics of Verus

Start at: 2017-09-17 11:11:24  
End at: 2017-09-17 11:11:54  
Local clock offset: -10.57 ms  
Remote clock offset: -4.376 ms

# Below is generated by plot.py at 2017-09-17 16:42:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 242.20 Mbit/s  
95th percentile per-packet one-way delay: 88.757 ms  
Loss rate: 1.42%  
-- Flow 1:  
Average throughput: 242.20 Mbit/s  
95th percentile per-packet one-way delay: 88.757 ms  
Loss rate: 1.42%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2017-09-17 11:30:13

End at: 2017-09-17 11:30:43

Local clock offset: -10.435 ms

# Below is generated by plot.py at 2017-09-17 16:42:13

# Datalink statistics

-- Total of 1 flow:

Average throughput: 243.87 Mbit/s

95th percentile per-packet one-way delay: 99.759 ms

Loss rate: 0.69%

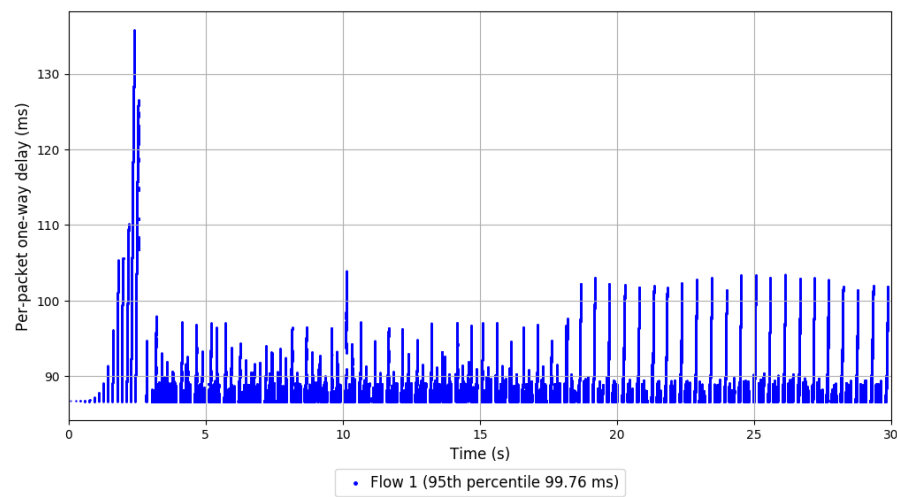
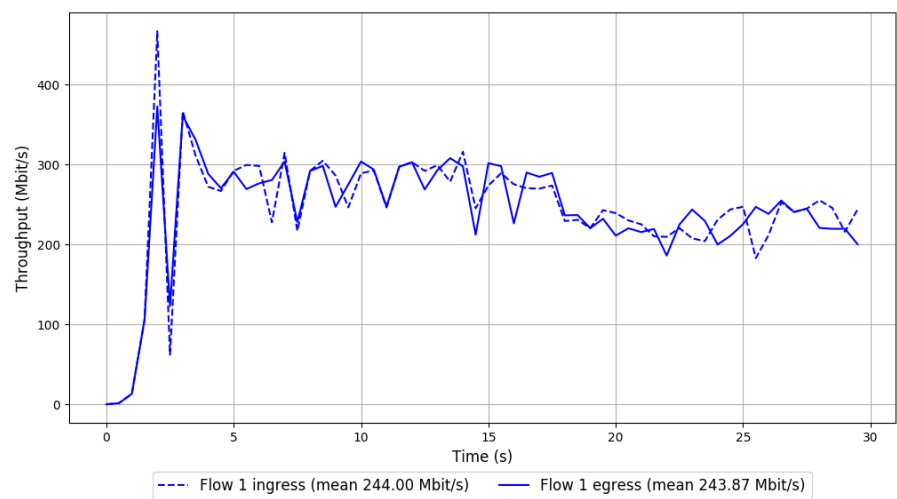
-- Flow 1:

Average throughput: 243.87 Mbit/s

95th percentile per-packet one-way delay: 99.759 ms

Loss rate: 0.69%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2017-09-17 11:47:21

End at: 2017-09-17 11:47:51

Local clock offset: -10.14 ms

# Below is generated by plot.py at 2017-09-17 16:42:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 239.92 Mbit/s

95th percentile per-packet one-way delay: 96.931 ms

Loss rate: 0.31%

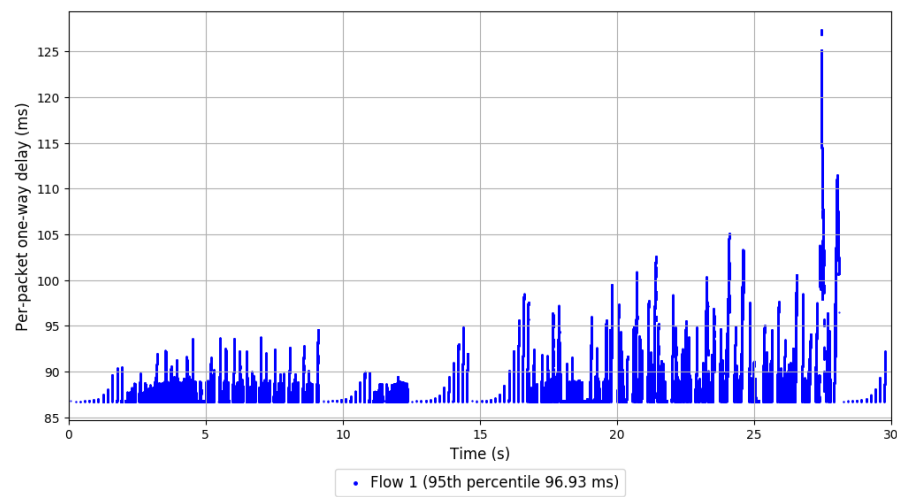
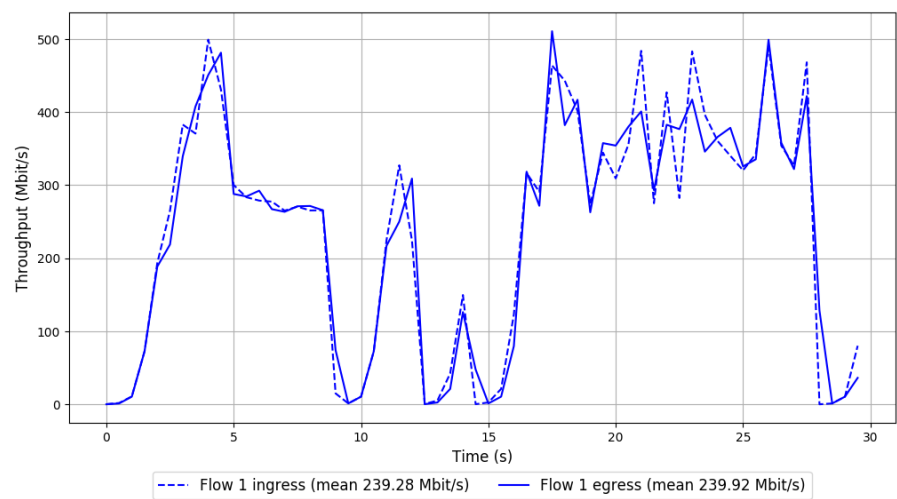
-- Flow 1:

Average throughput: 239.92 Mbit/s

95th percentile per-packet one-way delay: 96.931 ms

Loss rate: 0.31%

Run 9: Report of Verus — Data Link

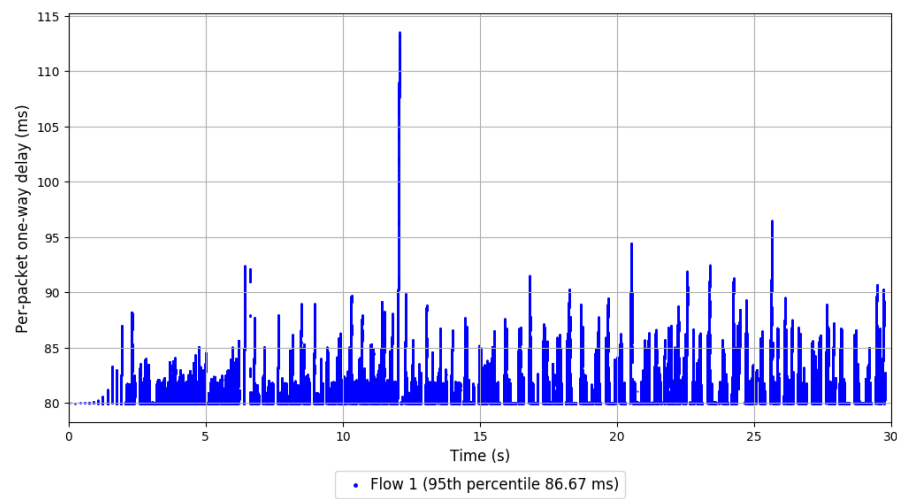
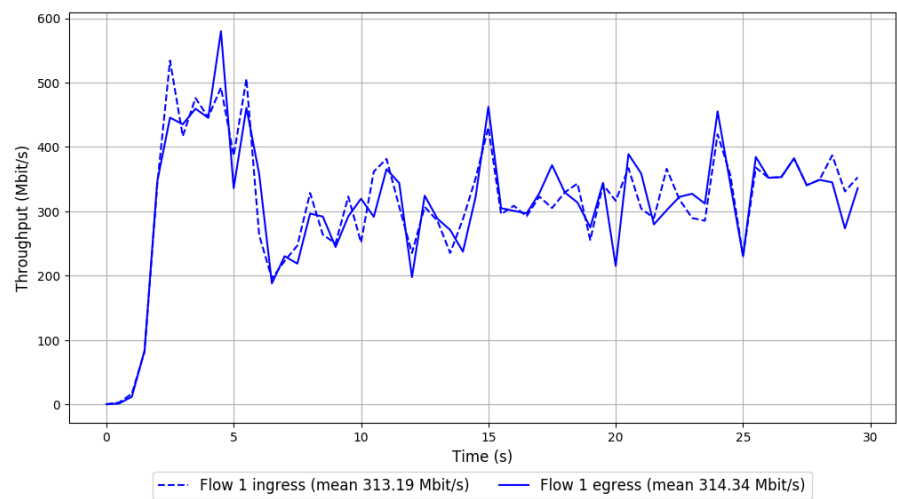


Run 10: Statistics of Verus

Start at: 2017-09-17 12:06:36  
End at: 2017-09-17 12:07:06  
Local clock offset: -10.005 ms  
Remote clock offset: -3.418 ms

# Below is generated by plot.py at 2017-09-17 16:42:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 314.34 Mbit/s  
95th percentile per-packet one-way delay: 86.675 ms  
Loss rate: 0.62%  
-- Flow 1:  
Average throughput: 314.34 Mbit/s  
95th percentile per-packet one-way delay: 86.675 ms  
Loss rate: 0.62%

Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

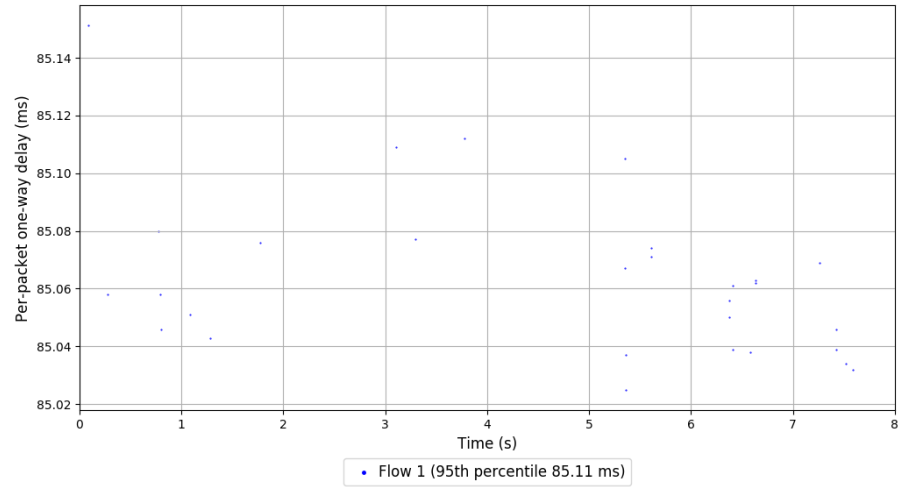
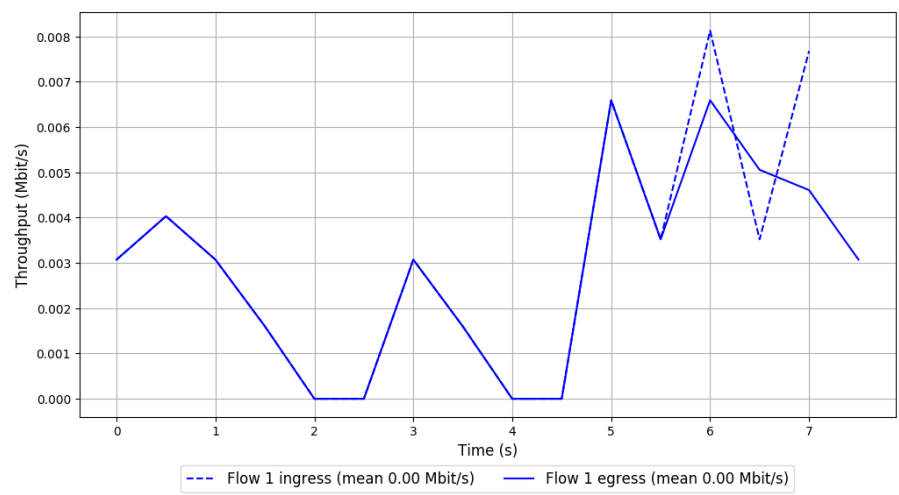
Start at: 2017-09-17 09:31:22

End at: 2017-09-17 09:31:52

Local clock offset: -9.836 ms

Remote clock offset: -8.452 ms

Run 1: Report of WebRTC media — Data Link

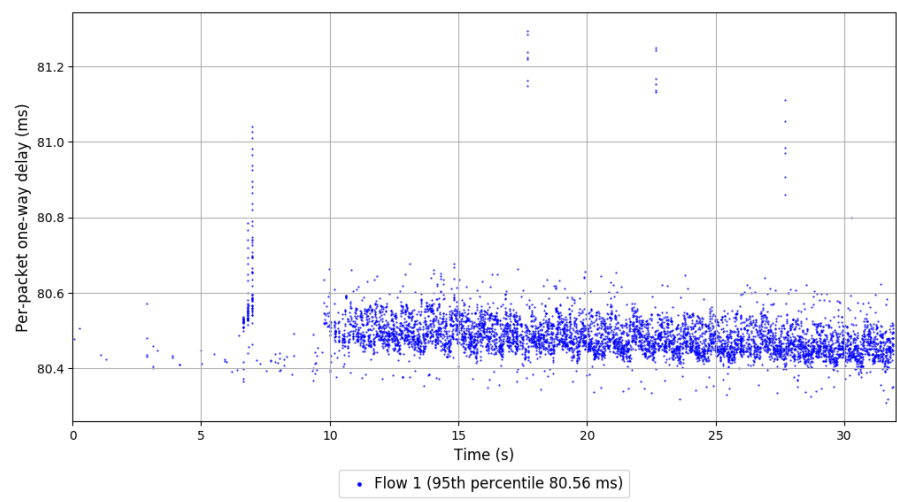
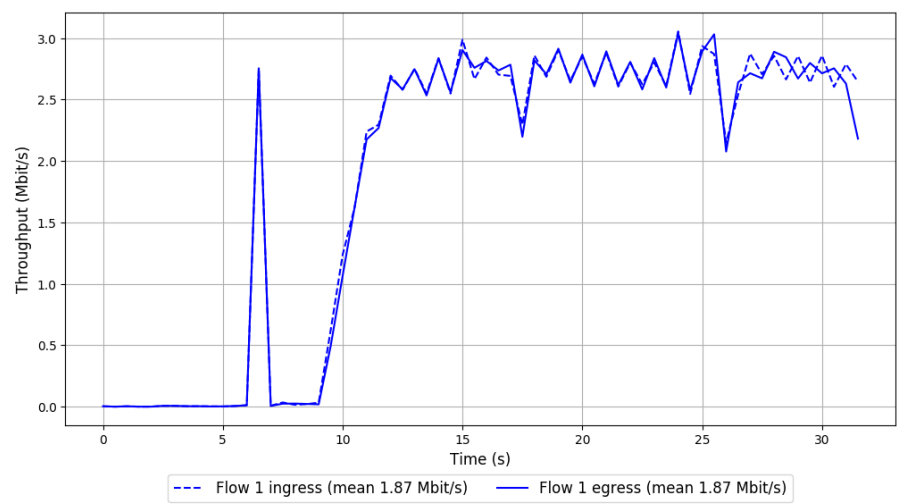


Run 2: Statistics of WebRTC media

Start at: 2017-09-17 09:50:47  
End at: 2017-09-17 09:51:17  
Local clock offset: -10.518 ms  
Remote clock offset: -4.08 ms

# Below is generated by plot.py at 2017-09-17 16:42:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.87 Mbit/s  
95th percentile per-packet one-way delay: 80.562 ms  
Loss rate: 0.75%  
-- Flow 1:  
Average throughput: 1.87 Mbit/s  
95th percentile per-packet one-way delay: 80.562 ms  
Loss rate: 0.75%

Run 2: Report of WebRTC media — Data Link

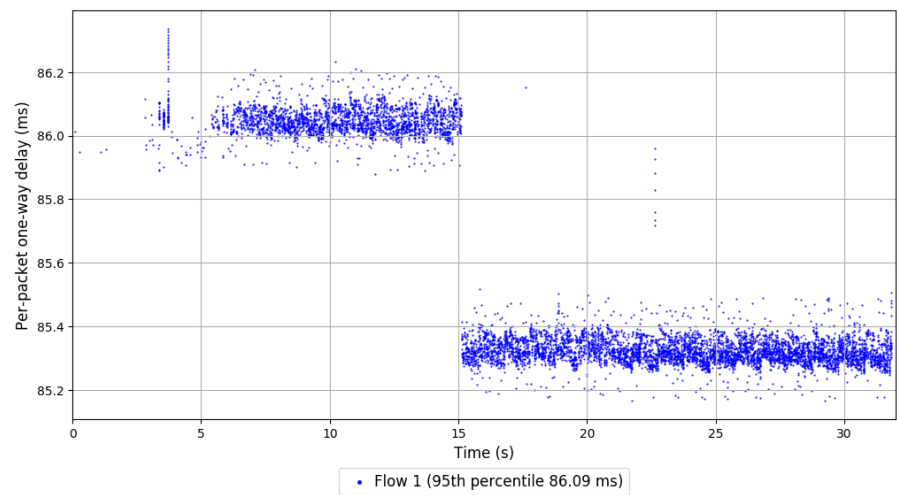
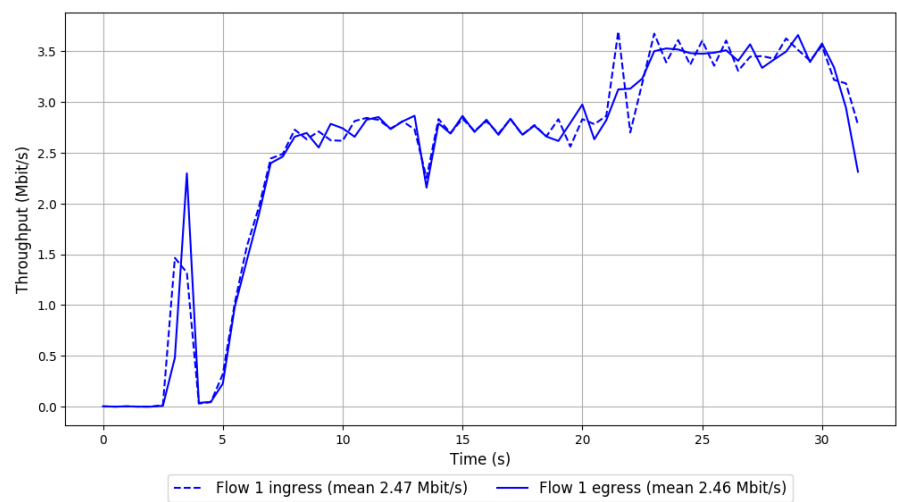


Run 3: Statistics of WebRTC media

Start at: 2017-09-17 10:10:13  
End at: 2017-09-17 10:10:43  
Local clock offset: -9.008 ms  
Remote clock offset: -9.144 ms

# Below is generated by plot.py at 2017-09-17 16:42:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.46 Mbit/s  
95th percentile per-packet one-way delay: 86.088 ms  
Loss rate: 0.72%  
-- Flow 1:  
Average throughput: 2.46 Mbit/s  
95th percentile per-packet one-way delay: 86.088 ms  
Loss rate: 0.72%

Run 3: Report of WebRTC media — Data Link

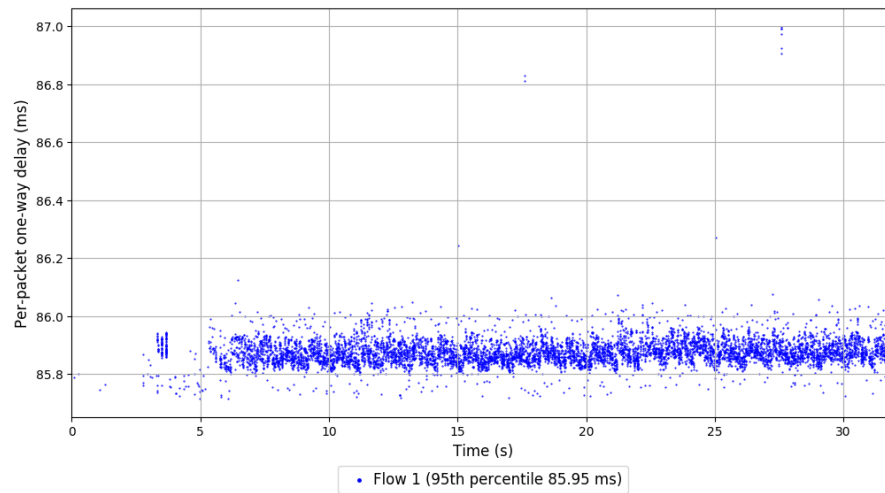
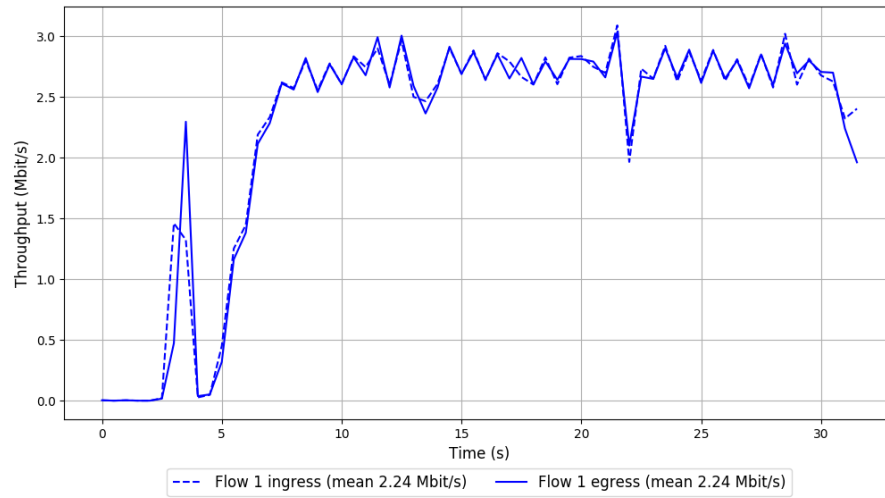


Run 4: Statistics of WebRTC media

Start at: 2017-09-17 10:29:39  
End at: 2017-09-17 10:30:09  
Local clock offset: -8.875 ms  
Remote clock offset: -9.383 ms

# Below is generated by plot.py at 2017-09-17 16:42:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.24 Mbit/s  
95th percentile per-packet one-way delay: 85.946 ms  
Loss rate: 0.60%  
-- Flow 1:  
Average throughput: 2.24 Mbit/s  
95th percentile per-packet one-way delay: 85.946 ms  
Loss rate: 0.60%

#### Run 4: Report of WebRTC media — Data Link

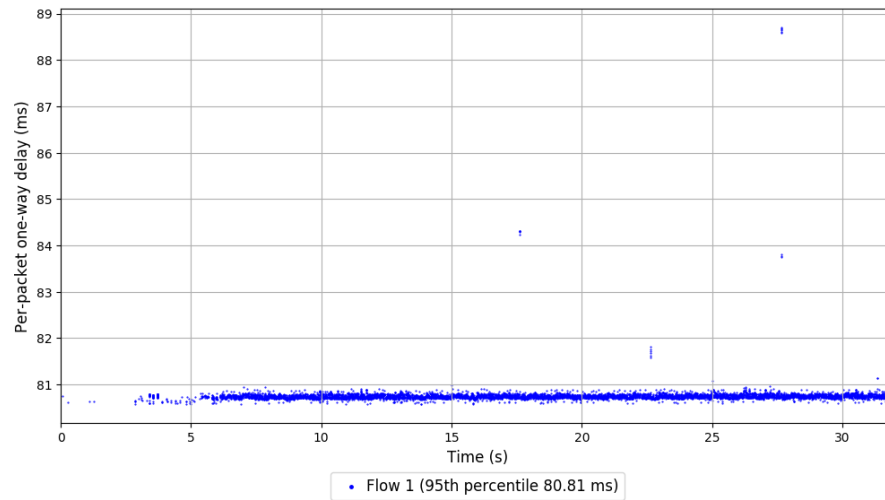
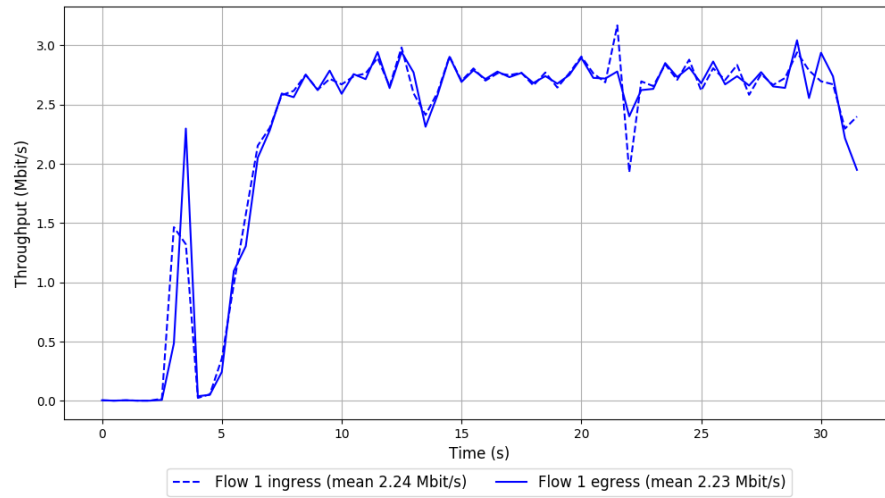


Run 5: Statistics of WebRTC media

Start at: 2017-09-17 10:48:56  
End at: 2017-09-17 10:49:26  
Local clock offset: -9.752 ms  
Remote clock offset: -4.408 ms

# Below is generated by plot.py at 2017-09-17 16:42:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.23 Mbit/s  
95th percentile per-packet one-way delay: 80.813 ms  
Loss rate: 0.61%  
-- Flow 1:  
Average throughput: 2.23 Mbit/s  
95th percentile per-packet one-way delay: 80.813 ms  
Loss rate: 0.61%

### Run 5: Report of WebRTC media — Data Link

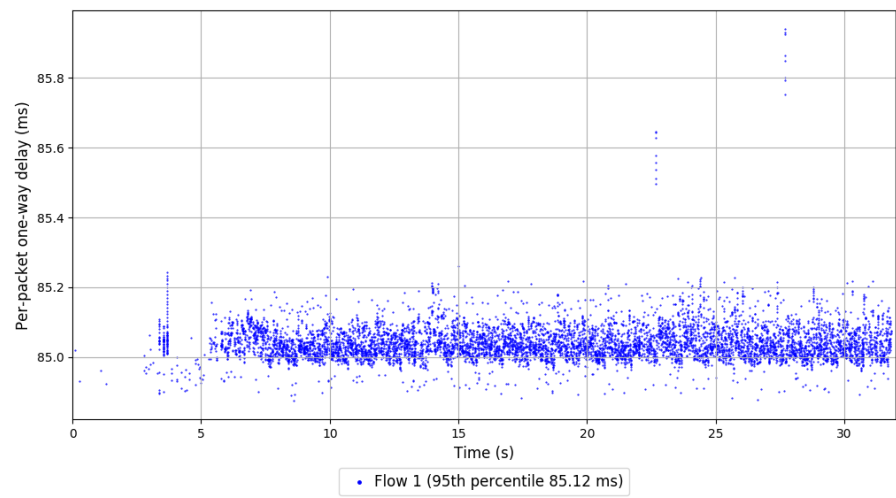
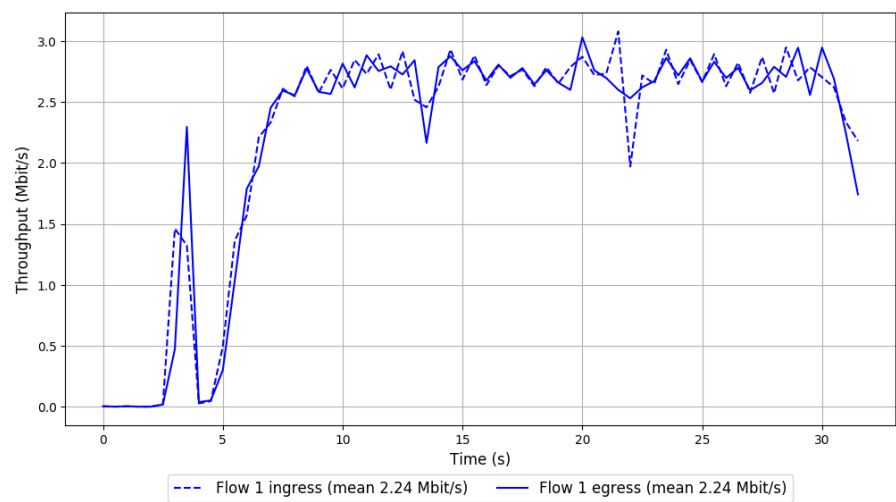


Run 6: Statistics of WebRTC media

Start at: 2017-09-17 11:08:45  
End at: 2017-09-17 11:09:15  
Local clock offset: -10.654 ms  
Remote clock offset: -9.319 ms

# Below is generated by plot.py at 2017-09-17 16:42:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.24 Mbit/s  
95th percentile per-packet one-way delay: 85.121 ms  
Loss rate: 0.61%  
-- Flow 1:  
Average throughput: 2.24 Mbit/s  
95th percentile per-packet one-way delay: 85.121 ms  
Loss rate: 0.61%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2017-09-17 11:28:08

End at: 2017-09-17 11:28:38

Local clock offset: -10.448 ms

# Below is generated by plot.py at 2017-09-17 16:42:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.44 Mbit/s

95th percentile per-packet one-way delay: 87.349 ms

Loss rate: 0.64%

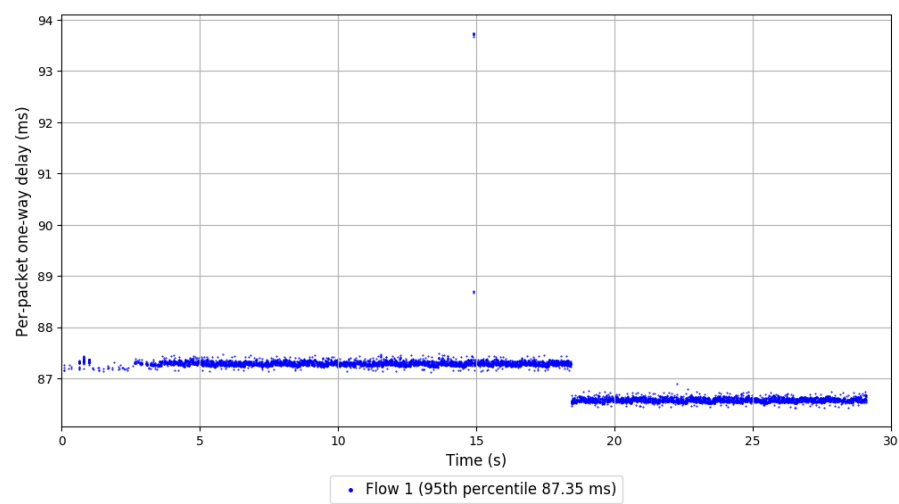
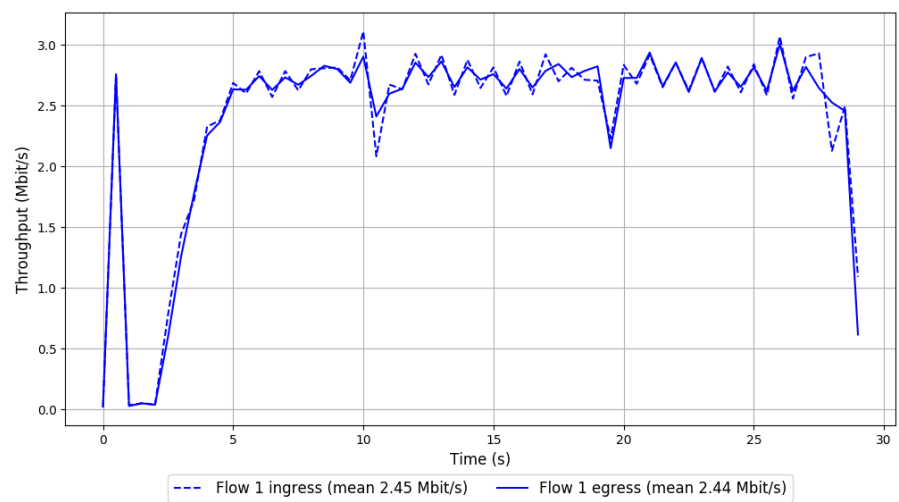
-- Flow 1:

Average throughput: 2.44 Mbit/s

95th percentile per-packet one-way delay: 87.349 ms

Loss rate: 0.64%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2017-09-17 11:45:08

End at: 2017-09-17 11:45:38

Local clock offset: -10.222 ms

# Below is generated by plot.py at 2017-09-17 16:42:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.45 Mbit/s

95th percentile per-packet one-way delay: 86.722 ms

Loss rate: 0.61%

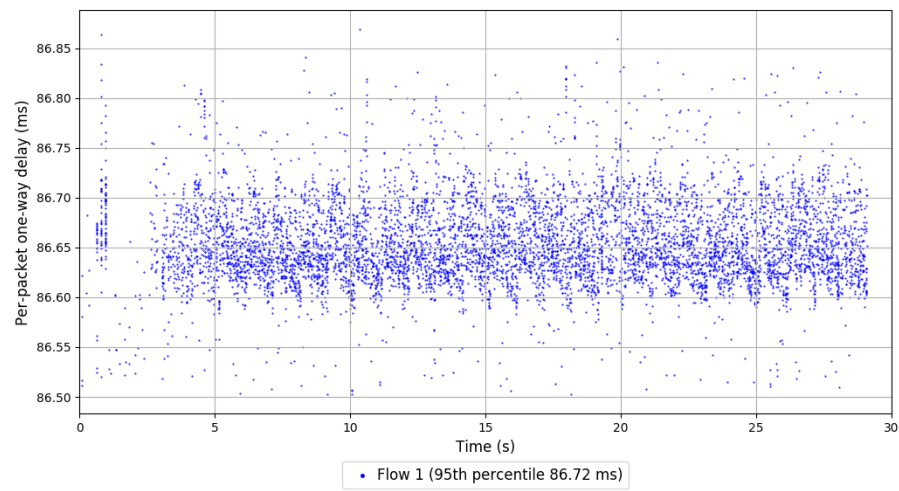
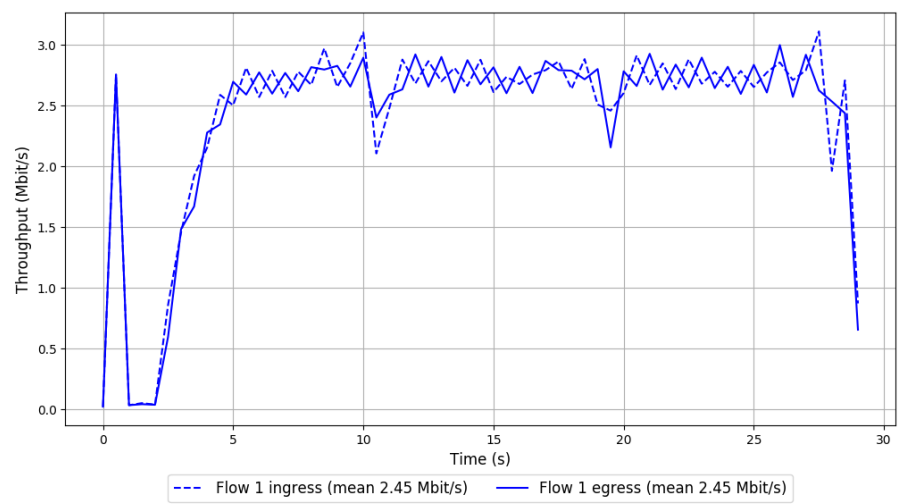
-- Flow 1:

Average throughput: 2.45 Mbit/s

95th percentile per-packet one-way delay: 86.722 ms

Loss rate: 0.61%

Run 8: Report of WebRTC media — Data Link

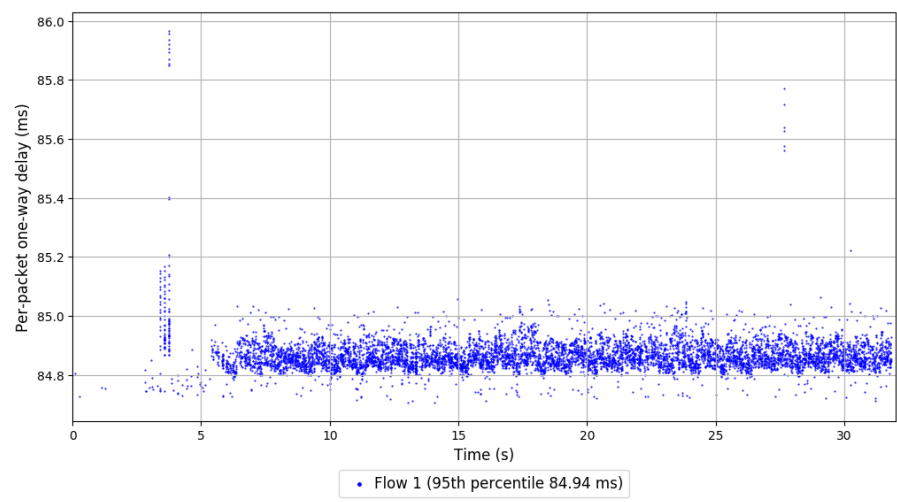
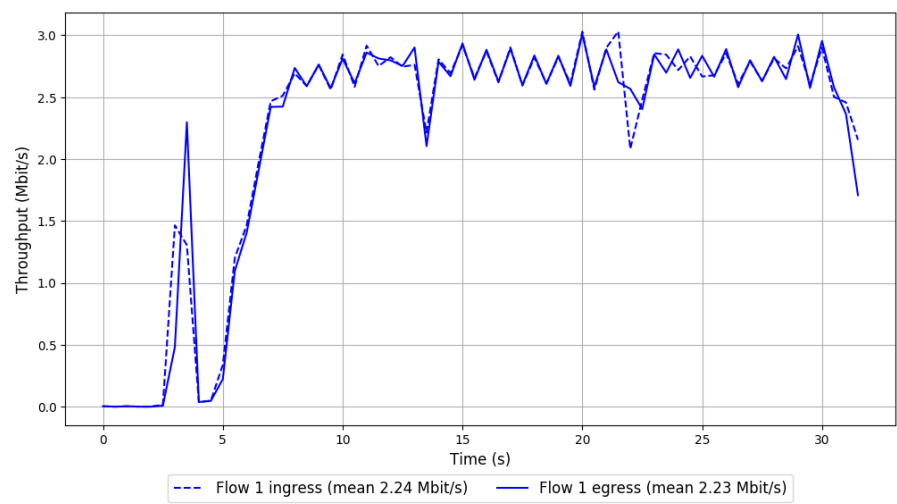


Run 9: Statistics of WebRTC media

Start at: 2017-09-17 12:03:52  
End at: 2017-09-17 12:04:23  
Local clock offset: -10.059 ms  
Remote clock offset: -8.12 ms

# Below is generated by plot.py at 2017-09-17 16:42:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.23 Mbit/s  
95th percentile per-packet one-way delay: 84.945 ms  
Loss rate: 0.60%  
-- Flow 1:  
Average throughput: 2.23 Mbit/s  
95th percentile per-packet one-way delay: 84.945 ms  
Loss rate: 0.60%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2017-09-17 12:24:24  
End at: 2017-09-17 12:24:54  
Local clock offset: -10.083 ms  
Remote clock offset: -7.932 ms

# Below is generated by plot.py at 2017-09-17 16:42:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.23 Mbit/s  
95th percentile per-packet one-way delay: 85.406 ms  
Loss rate: 0.62%  
-- Flow 1:  
Average throughput: 2.23 Mbit/s  
95th percentile per-packet one-way delay: 85.406 ms  
Loss rate: 0.62%

Run 10: Report of WebRTC media — Data Link

