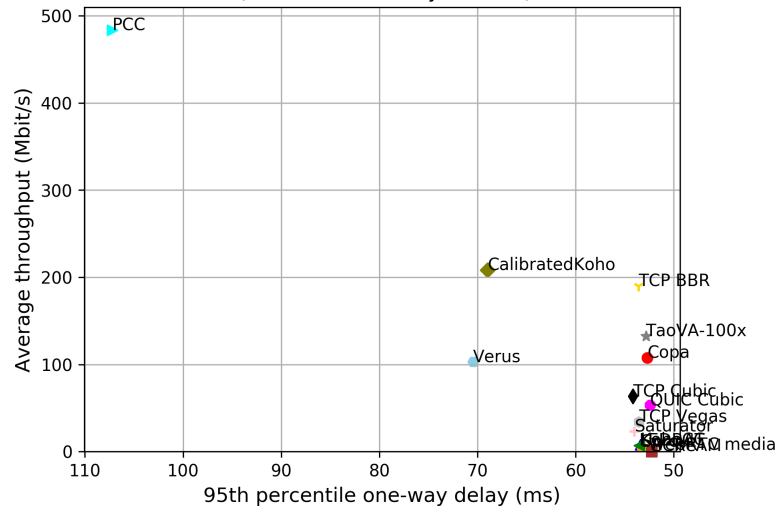


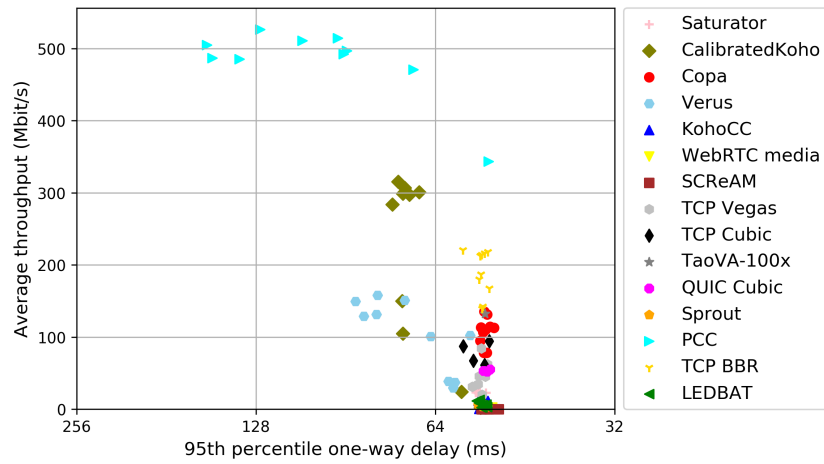
Pantheon Summary (Generated at Sun, 06 Aug 2017 04:53:42 +0000 with pantheon version 33c7b8d34ce04c76596315aa973f0b30d6129d55)
Repeated the test of 15 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Data path: GCE London Ethernet (*remote*) → GCE Iowa Ethernet (*local*).

```
git branch: master @ 33c7b8d34ce04c76596315aa973f0b30d6129d55
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ dae96123232f1bcb37725348fa2378691ce26725
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-stimuli @ fc73a85ca16c34366d1888dc8a0d0d88d4ebf2a7
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeab30b267cde681
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 GCE London Ethernet to GCE Iowa Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from GCE London Ethernet to GCE Iowa 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	189.83	53.62	1.52
CalibratedKoho	10	208.46	68.97	17.86
Copa	10	107.59	52.69	2.00
TCP Cubic	10	63.58	54.19	1.15
KohoCC	10	7.84	53.42	31.96
LEDBAT	10	7.18	53.53	2.02
PCC	10	483.27	107.20	2.25
QUIC Cubic	10	53.44	52.42	0.40
Saturator	10	23.01	54.02	1.12
SCReAM	10	0.21	52.26	0.42
Sprout	10	5.74	53.34	11.24
TaoVA-100x	10	132.26	52.85	0.24
TCP Vegas	10	34.31	53.55	0.93
Verus	10	102.80	70.47	25.06
WebRTC media	10	2.12	52.58	0.65

Run 1: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 00:27:11 +0000

End at: Sun, 06 Aug 2017 00:27:41 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:29:57 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.60 Mbit/s

95th percentile per-packet one-way delay: 57.505 ms

Loss rate: 0.37%

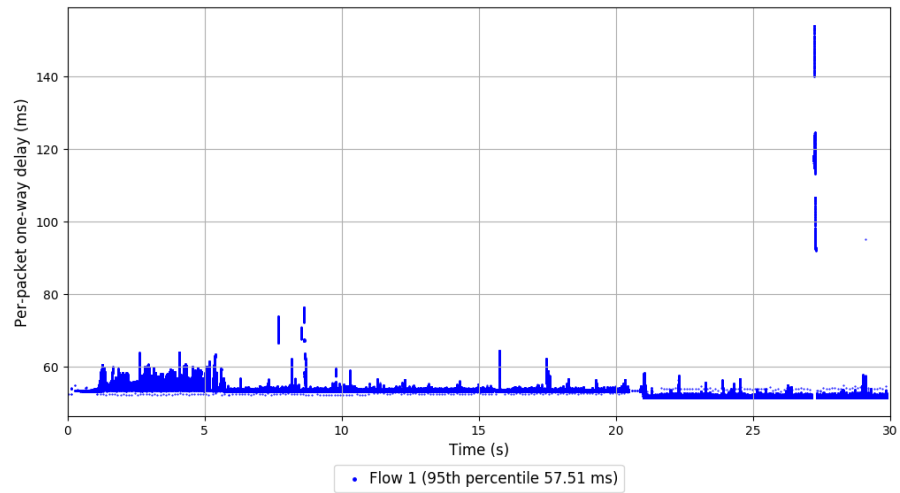
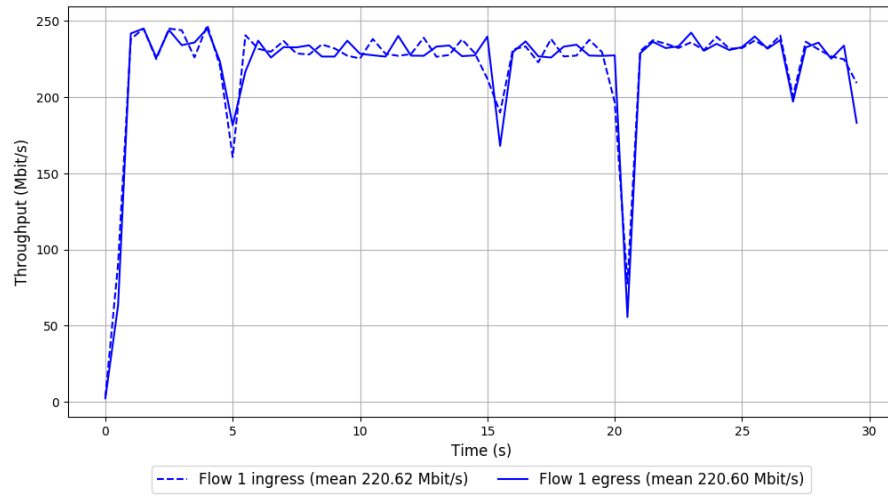
-- Flow 1:

Average throughput: 220.60 Mbit/s

95th percentile per-packet one-way delay: 57.505 ms

Loss rate: 0.37%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 00:37:41 +0000

End at: Sun, 06 Aug 2017 00:38:11 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:29:57 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.08 Mbit/s

95th percentile per-packet one-way delay: 54.028 ms

Loss rate: 2.13%

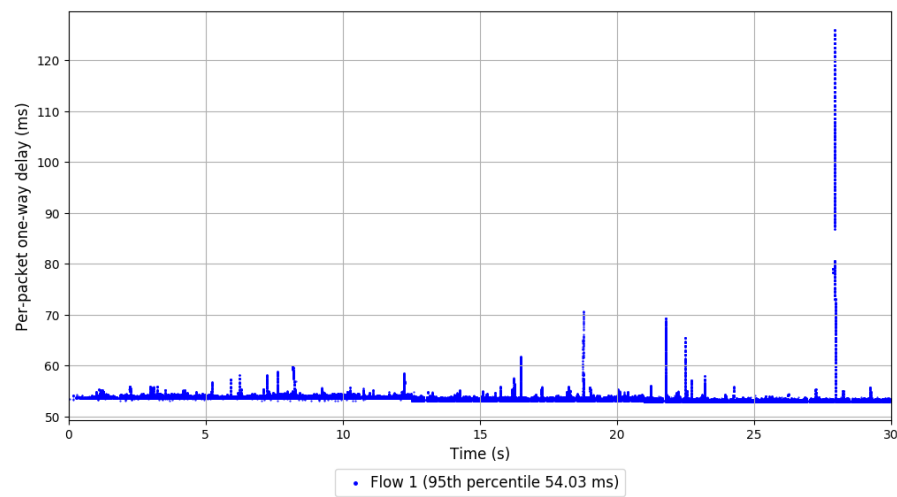
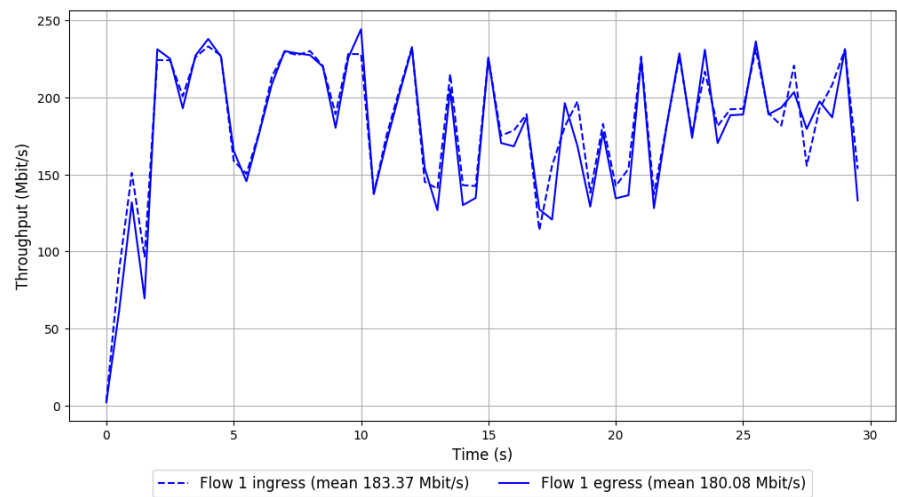
-- Flow 1:

Average throughput: 180.08 Mbit/s

95th percentile per-packet one-way delay: 54.028 ms

Loss rate: 2.13%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 00:48:10 +0000

End at: Sun, 06 Aug 2017 00:48:40 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:30:13 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 139.31 Mbit/s

95th percentile per-packet one-way delay: 53.435 ms

Loss rate: 5.78%

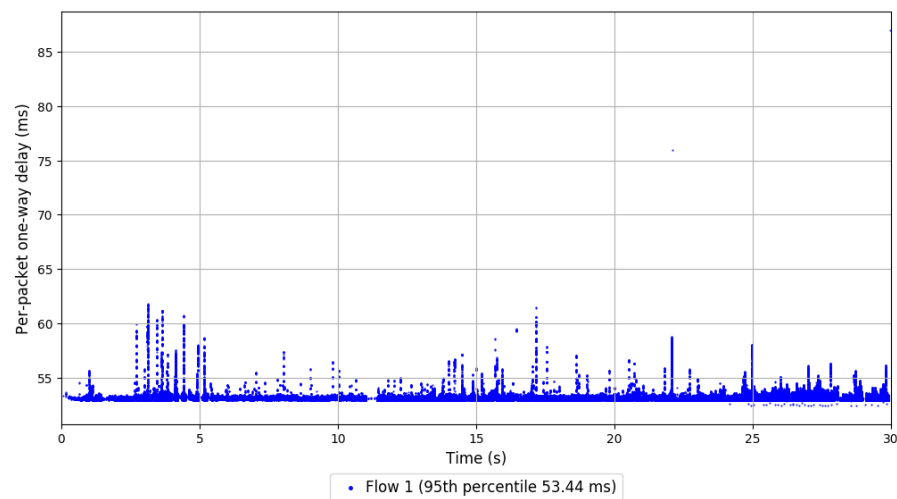
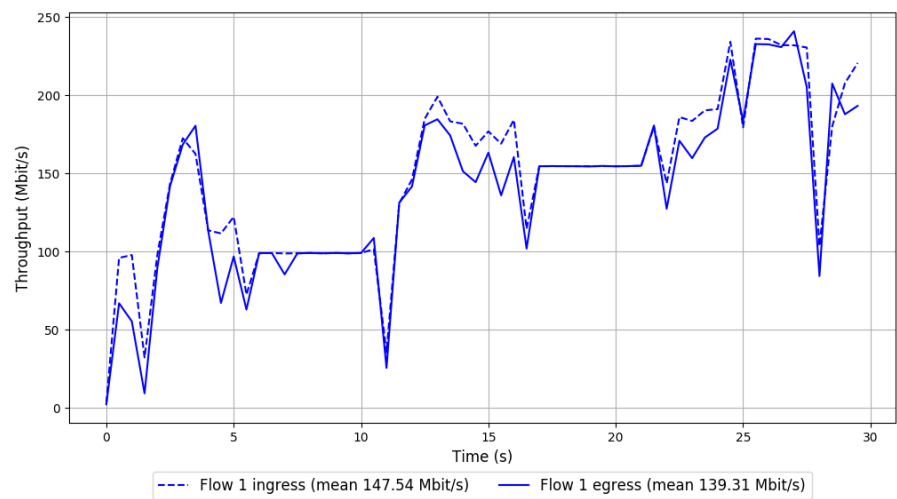
-- Flow 1:

Average throughput: 139.31 Mbit/s

95th percentile per-packet one-way delay: 53.435 ms

Loss rate: 5.78%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 00:58:28 +0000

End at: Sun, 06 Aug 2017 00:58:58 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:30:32 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 187.18 Mbit/s

95th percentile per-packet one-way delay: 53.654 ms

Loss rate: 2.23%

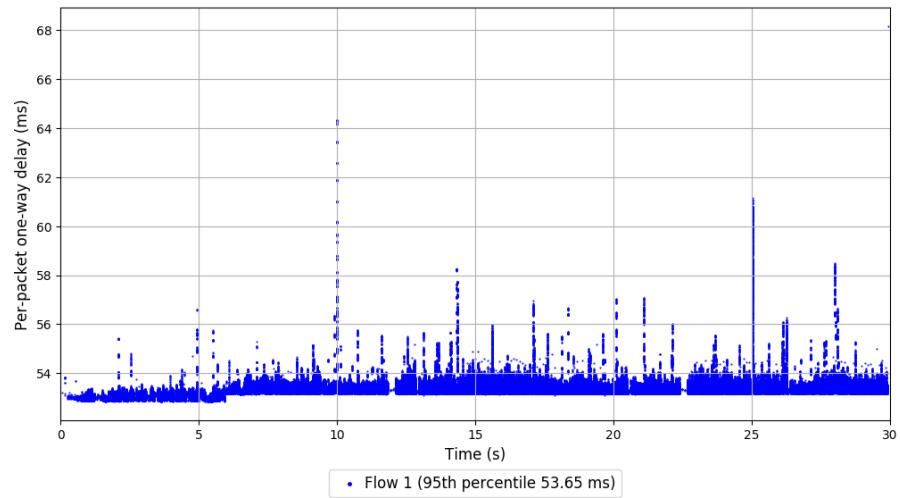
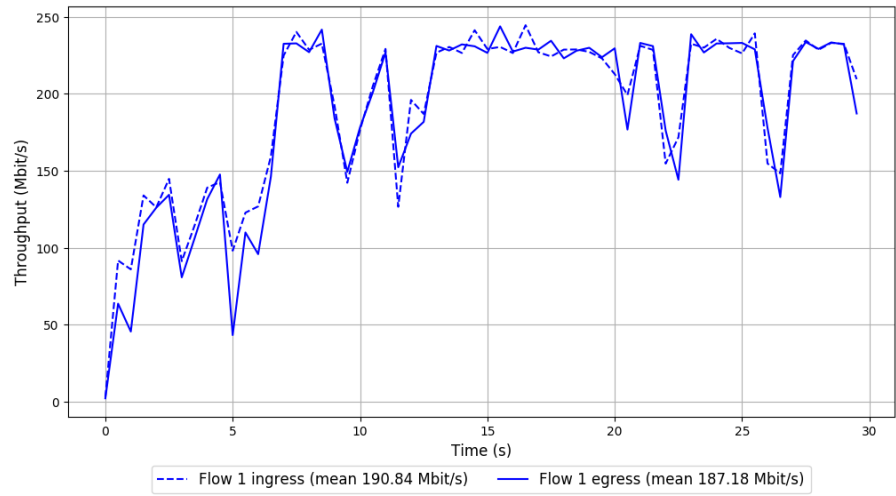
-- Flow 1:

Average throughput: 187.18 Mbit/s

95th percentile per-packet one-way delay: 53.654 ms

Loss rate: 2.23%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 01:08:35 +0000

End at: Sun, 06 Aug 2017 01:09:05 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:30:55 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.11 Mbit/s

95th percentile per-packet one-way delay: 53.497 ms

Loss rate: 0.40%

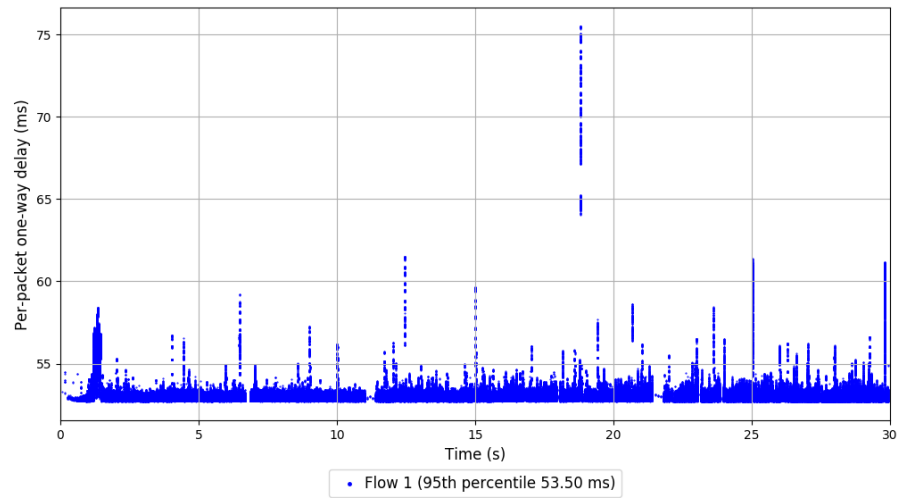
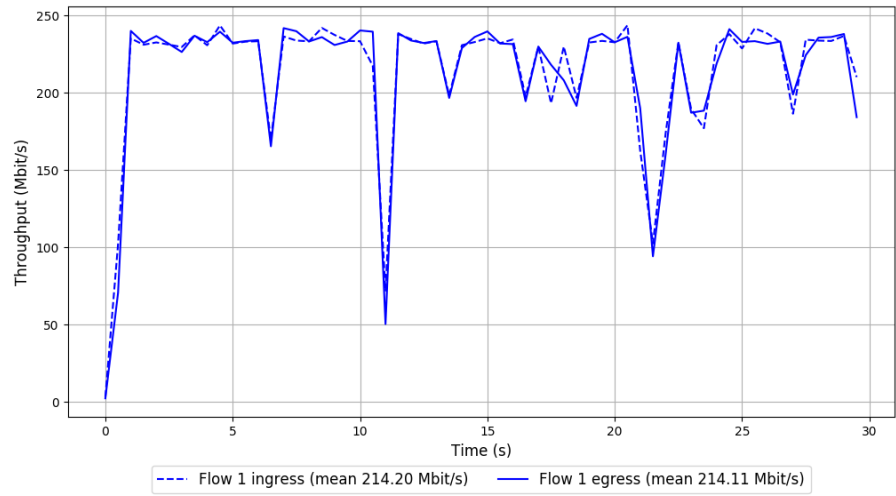
-- Flow 1:

Average throughput: 214.11 Mbit/s

95th percentile per-packet one-way delay: 53.497 ms

Loss rate: 0.40%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 01:19:06 +0000

End at: Sun, 06 Aug 2017 01:19:36 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:31:12 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.88 Mbit/s

95th percentile per-packet one-way delay: 53.767 ms

Loss rate: 0.40%

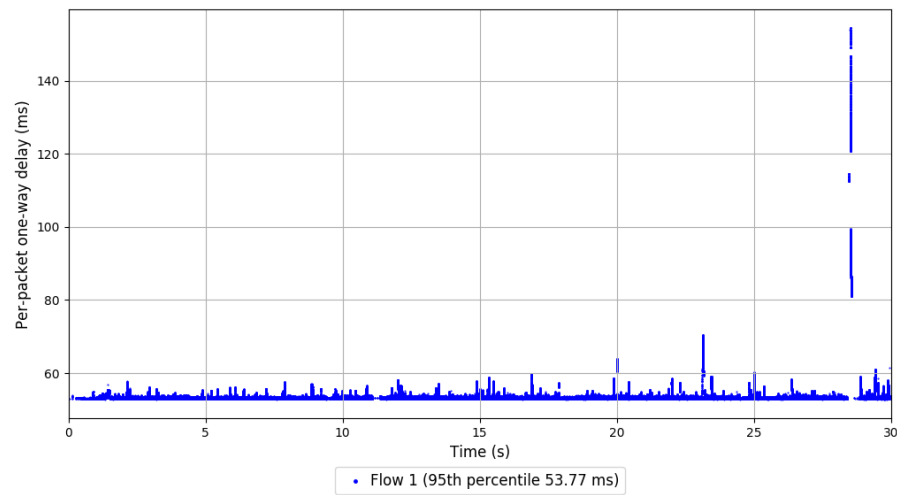
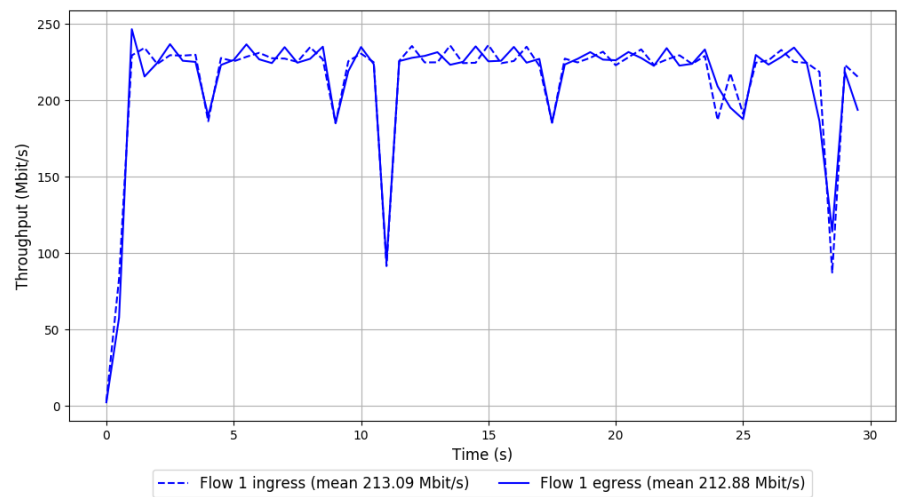
-- Flow 1:

Average throughput: 212.88 Mbit/s

95th percentile per-packet one-way delay: 53.767 ms

Loss rate: 0.40%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 01:29:35 +0000

End at: Sun, 06 Aug 2017 01:30:05 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:31:31 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 167.45 Mbit/s

95th percentile per-packet one-way delay: 51.968 ms

Loss rate: 1.61%

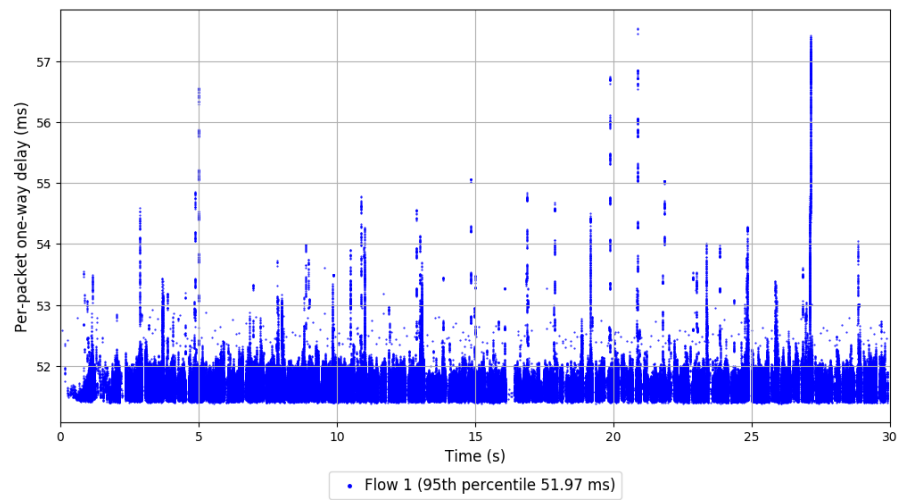
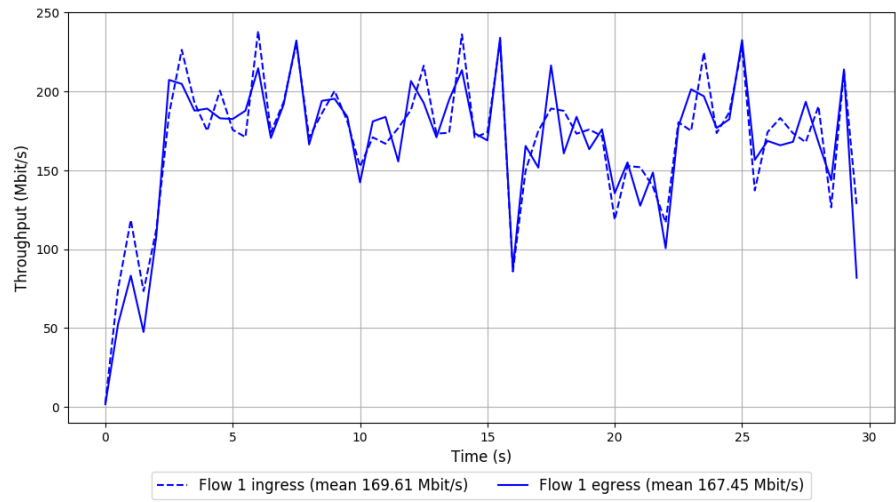
-- Flow 1:

Average throughput: 167.45 Mbit/s

95th percentile per-packet one-way delay: 51.968 ms

Loss rate: 1.61%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 01:40:25 +0000

End at: Sun, 06 Aug 2017 01:40:55 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:31:58 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.20 Mbit/s

95th percentile per-packet one-way delay: 52.903 ms

Loss rate: 0.38%

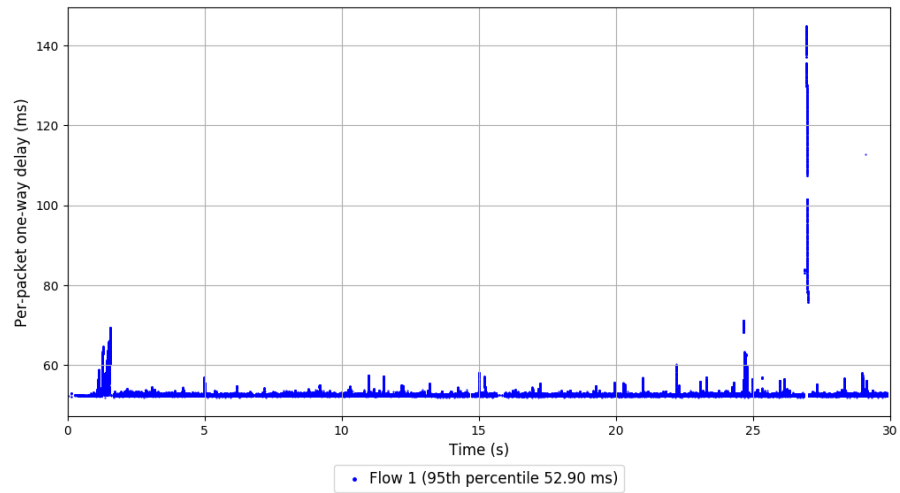
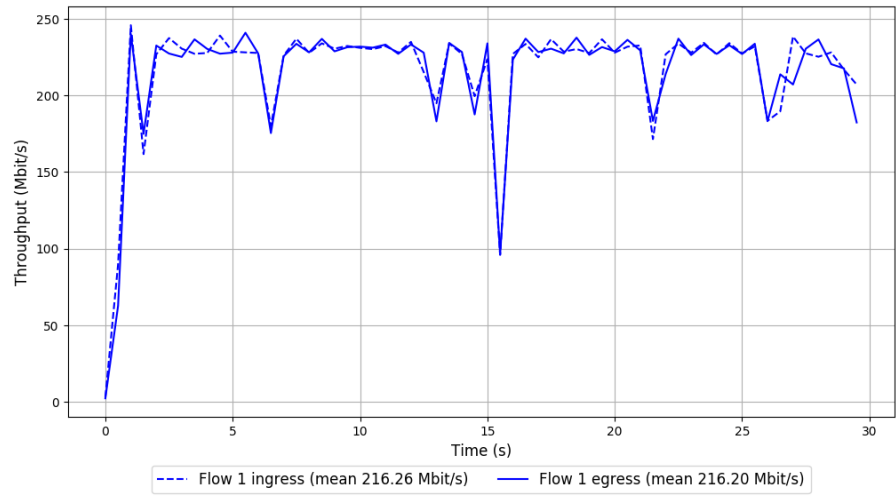
-- Flow 1:

Average throughput: 216.20 Mbit/s

95th percentile per-packet one-way delay: 52.903 ms

Loss rate: 0.38%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 01:50:45 +0000

End at: Sun, 06 Aug 2017 01:51:15 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:32:02 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 142.40 Mbit/s

95th percentile per-packet one-way delay: 53.264 ms

Loss rate: 1.69%

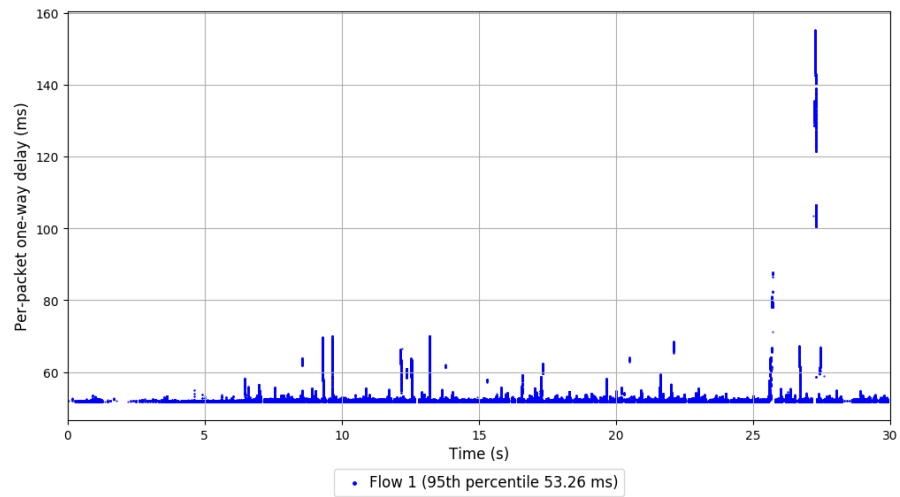
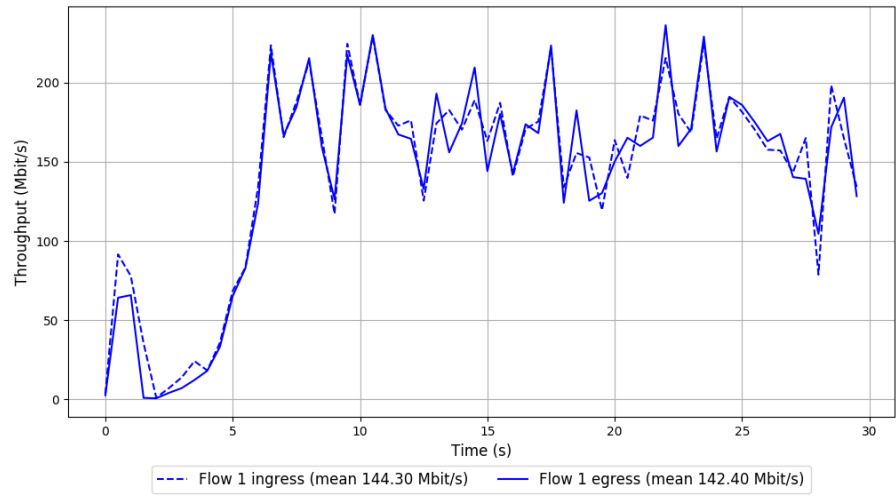
-- Flow 1:

Average throughput: 142.40 Mbit/s

95th percentile per-packet one-way delay: 53.264 ms

Loss rate: 1.69%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 02:01:18 +0000

End at: Sun, 06 Aug 2017 02:01:49 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:32:40 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.14 Mbit/s

95th percentile per-packet one-way delay: 52.197 ms

Loss rate: 0.16%

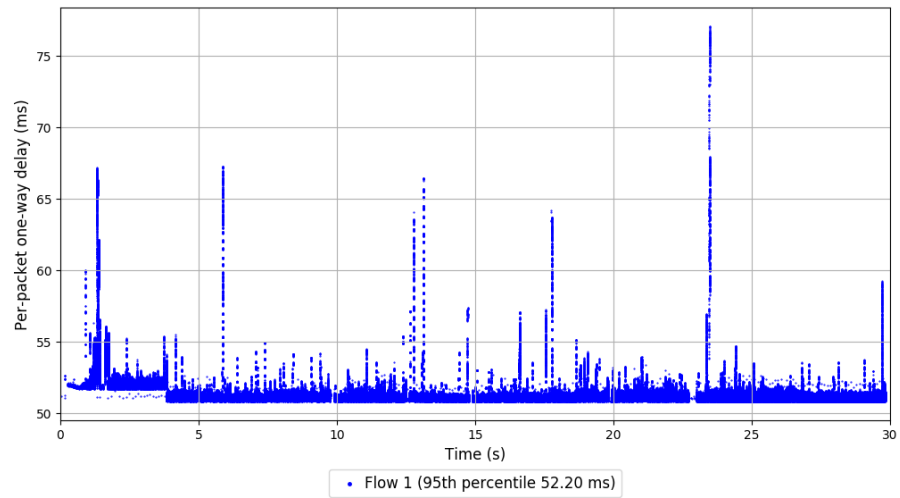
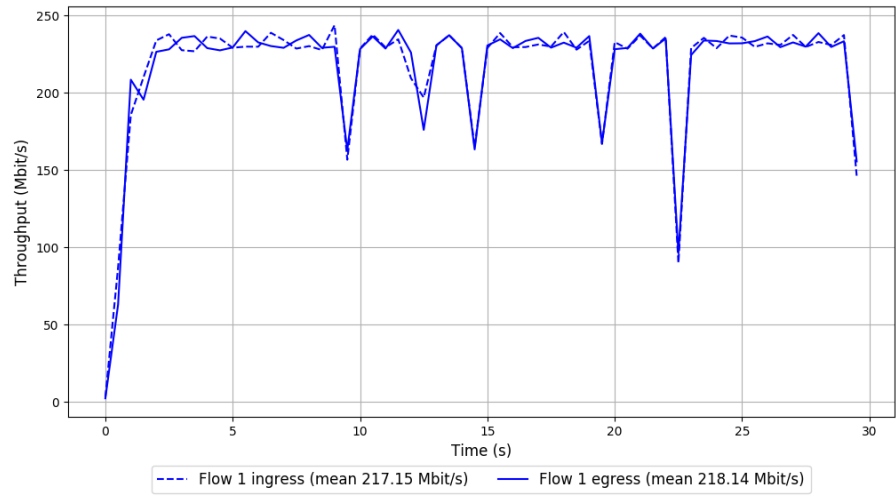
-- Flow 1:

Average throughput: 218.14 Mbit/s

95th percentile per-packet one-way delay: 52.197 ms

Loss rate: 0.16%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 00:25:53 +0000

End at: Sun, 06 Aug 2017 00:26:23 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:32:40 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.25 Mbit/s

95th percentile per-packet one-way delay: 57.841 ms

Loss rate: 63.35%

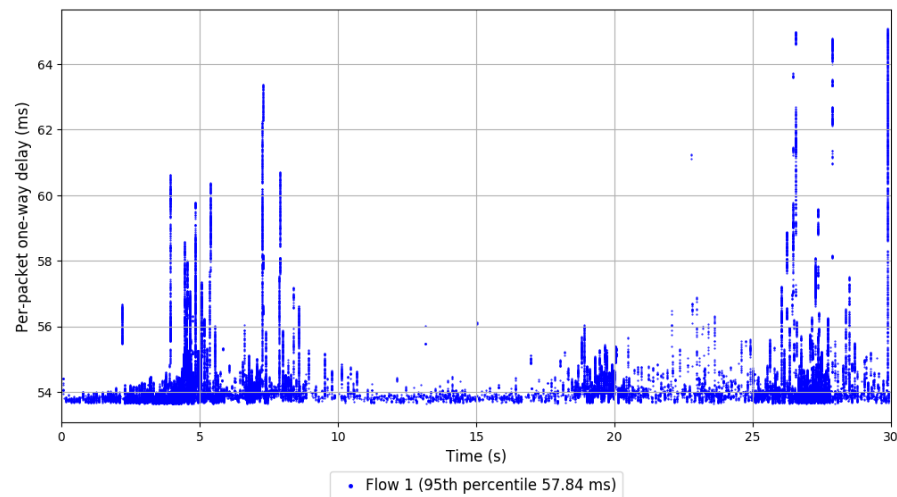
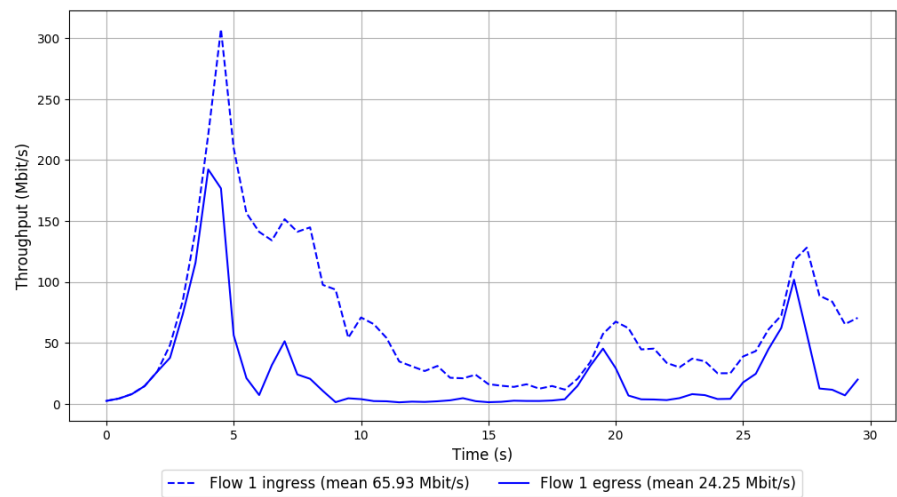
-- Flow 1:

Average throughput: 24.25 Mbit/s

95th percentile per-packet one-way delay: 57.841 ms

Loss rate: 63.35%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 00:36:16 +0000

End at: Sun, 06 Aug 2017 00:36:46 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:32:43 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 149.80 Mbit/s

95th percentile per-packet one-way delay: 72.703 ms

Loss rate: 27.27%

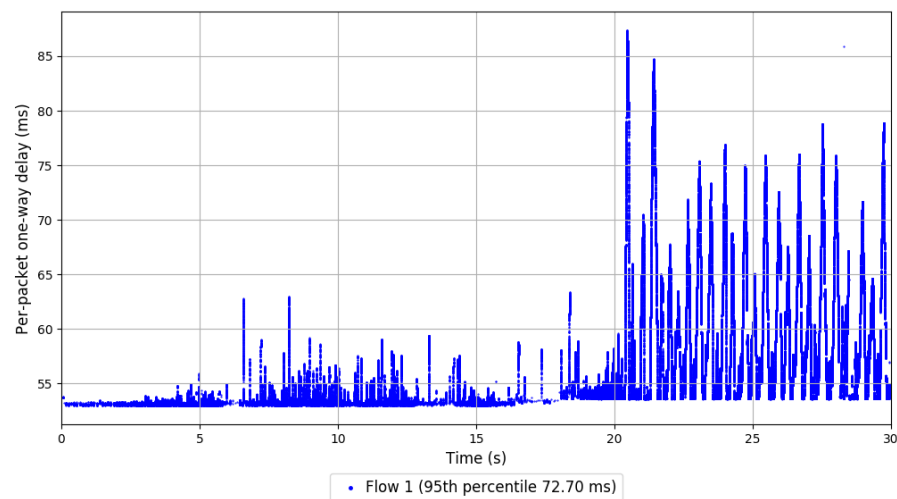
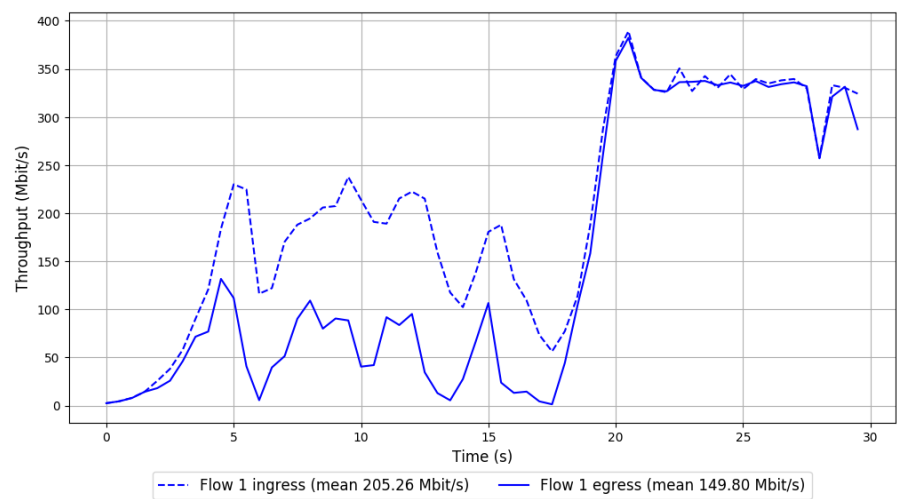
-- Flow 1:

Average throughput: 149.80 Mbit/s

95th percentile per-packet one-way delay: 72.703 ms

Loss rate: 27.27%

Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 00:46:36 +0000

End at: Sun, 06 Aug 2017 00:47:06 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:33:39 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 300.68 Mbit/s

95th percentile per-packet one-way delay: 68.111 ms

Loss rate: 0.40%

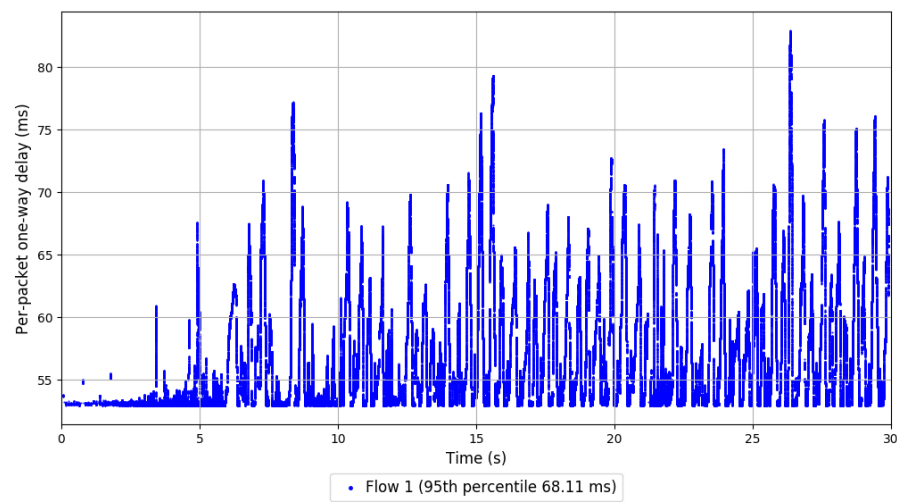
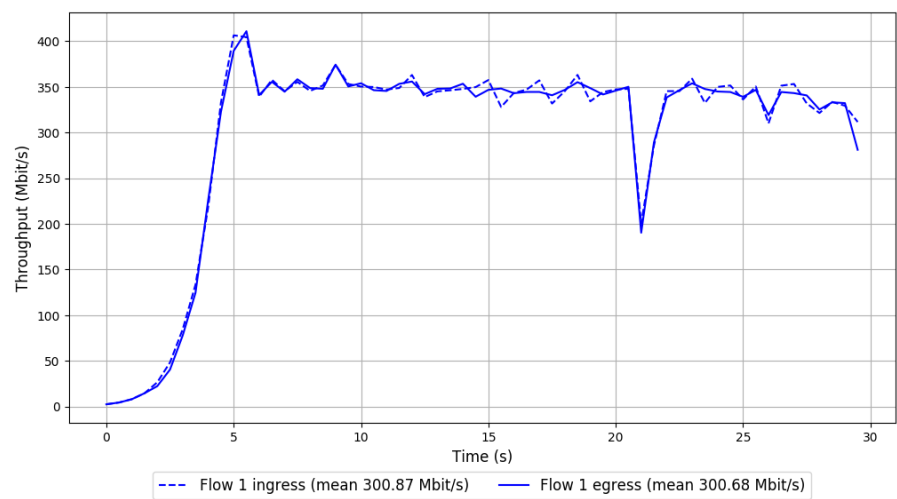
-- Flow 1:

Average throughput: 300.68 Mbit/s

95th percentile per-packet one-way delay: 68.111 ms

Loss rate: 0.40%

Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 00:56:53 +0000

End at: Sun, 06 Aug 2017 00:57:23 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:33:44 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 315.48 Mbit/s

95th percentile per-packet one-way delay: 73.898 ms

Loss rate: 0.44%

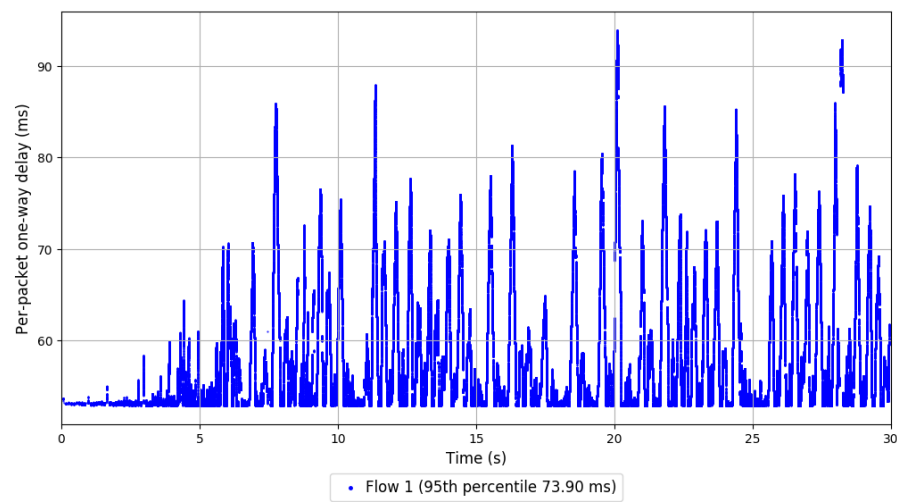
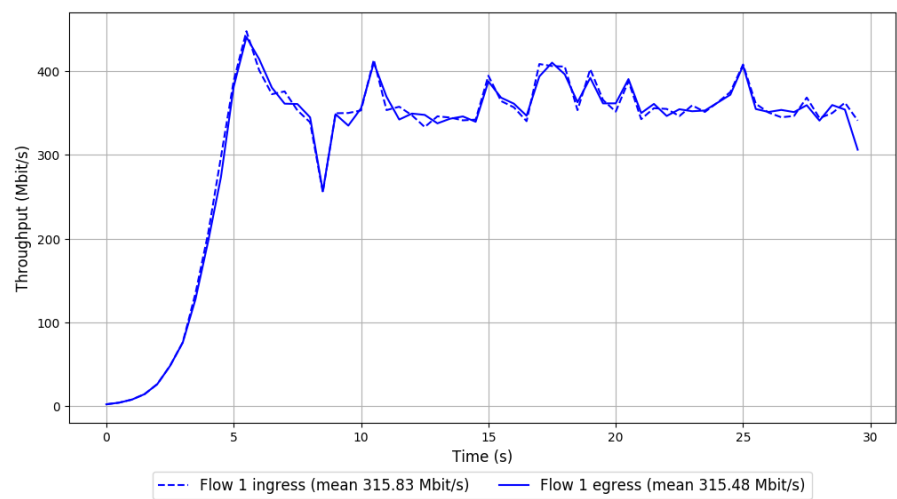
-- Flow 1:

Average throughput: 315.48 Mbit/s

95th percentile per-packet one-way delay: 73.898 ms

Loss rate: 0.44%

Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 01:07:21 +0000

End at: Sun, 06 Aug 2017 01:07:51 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:33:44 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 53.734 ms

Loss rate: 69.16%

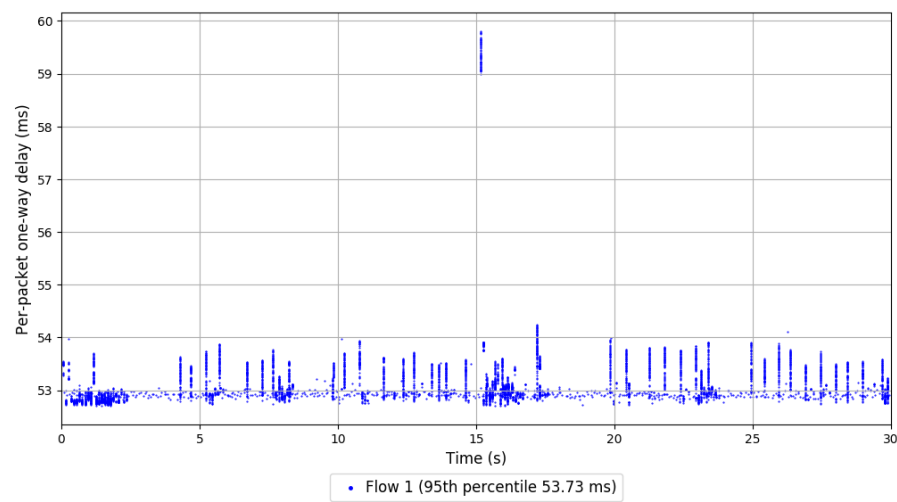
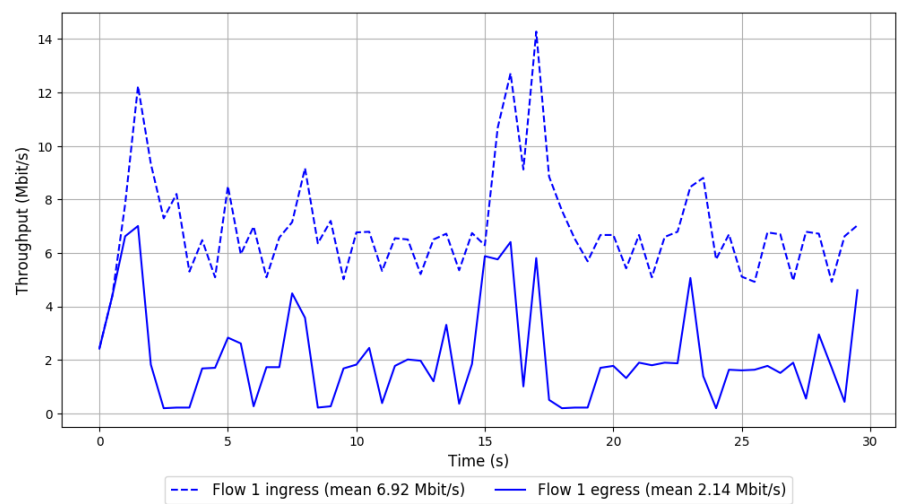
-- Flow 1:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 53.734 ms

Loss rate: 69.16%

Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 01:17:32 +0000

End at: Sun, 06 Aug 2017 01:18:02 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:34:33 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 307.10 Mbit/s

95th percentile per-packet one-way delay: 72.075 ms

Loss rate: 0.92%

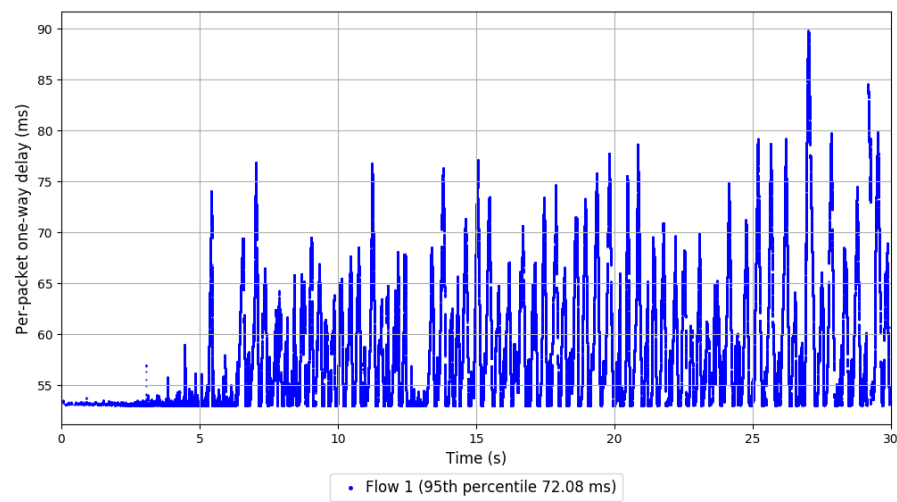
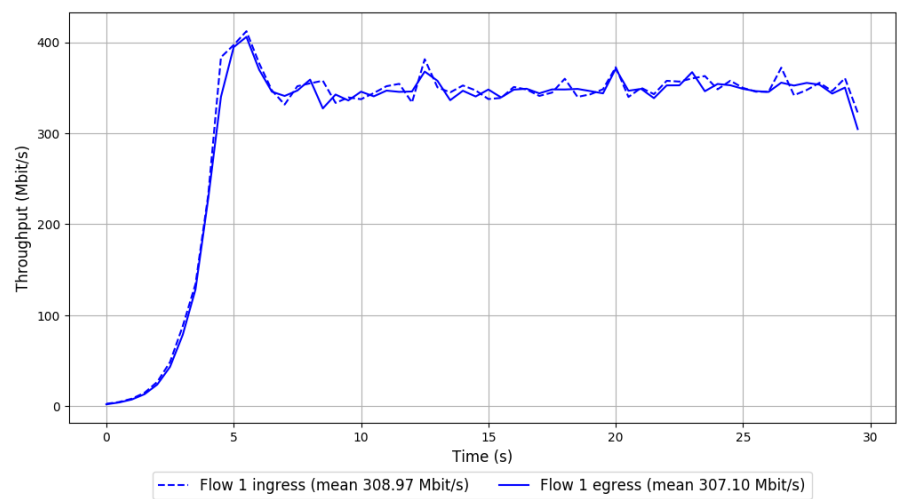
-- Flow 1:

Average throughput: 307.10 Mbit/s

95th percentile per-packet one-way delay: 72.075 ms

Loss rate: 0.92%

Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 01:28:03 +0000

End at: Sun, 06 Aug 2017 01:28:33 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:34:33 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 104.98 Mbit/s

95th percentile per-packet one-way delay: 72.572 ms

Loss rate: 15.26%

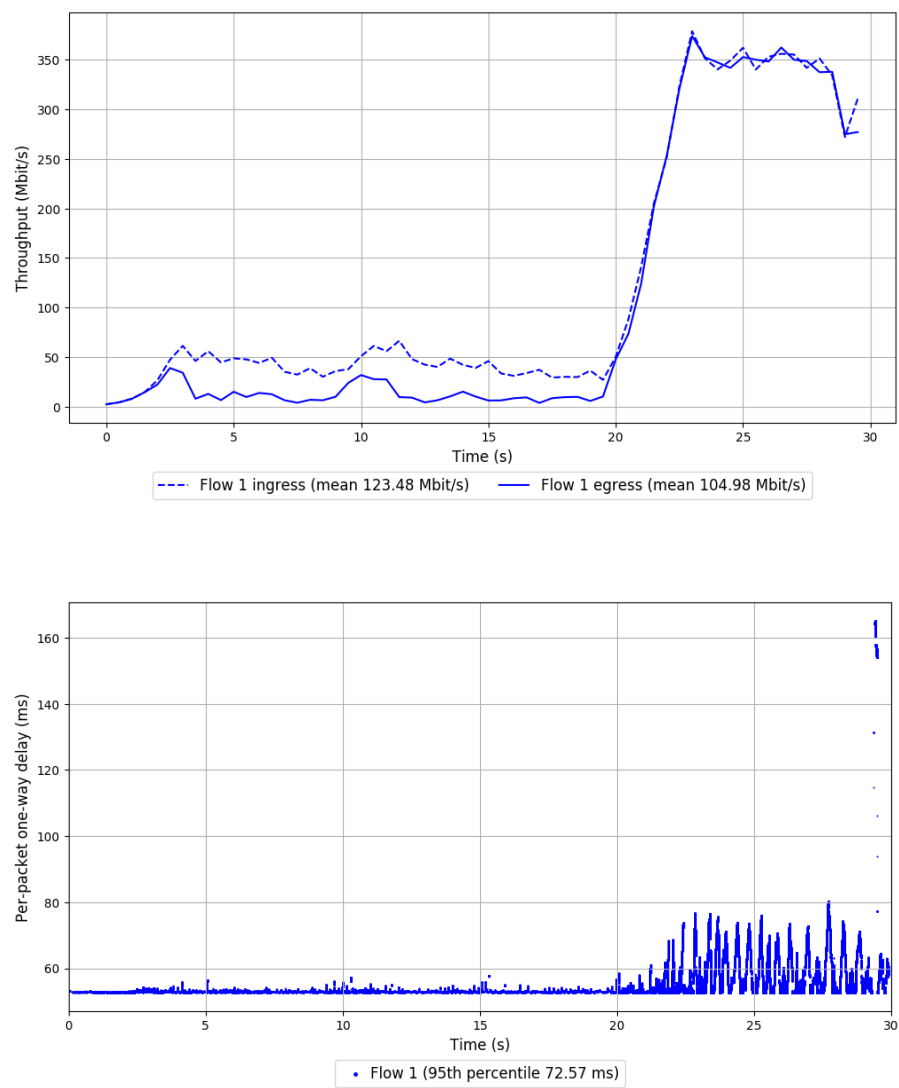
-- Flow 1:

Average throughput: 104.98 Mbit/s

95th percentile per-packet one-way delay: 72.572 ms

Loss rate: 15.26%

Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 01:38:51 +0000

End at: Sun, 06 Aug 2017 01:39:21 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:35:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 298.86 Mbit/s

95th percentile per-packet one-way delay: 72.539 ms

Loss rate: 0.97%

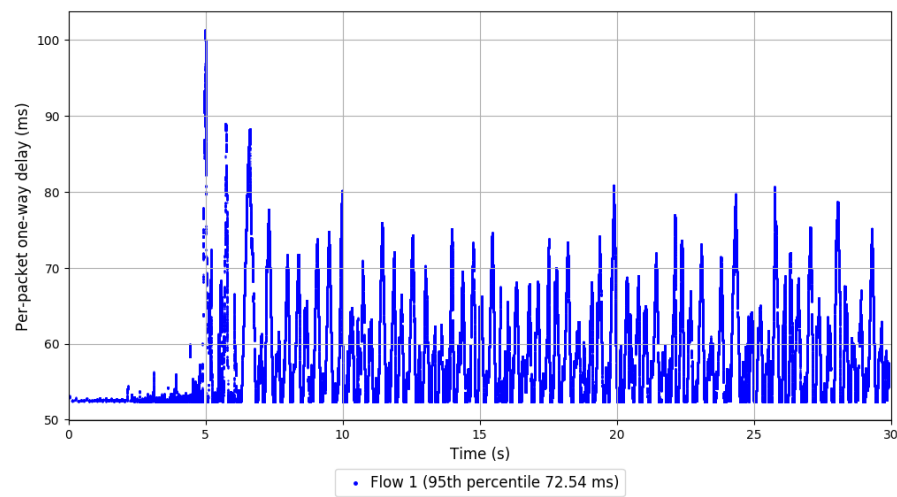
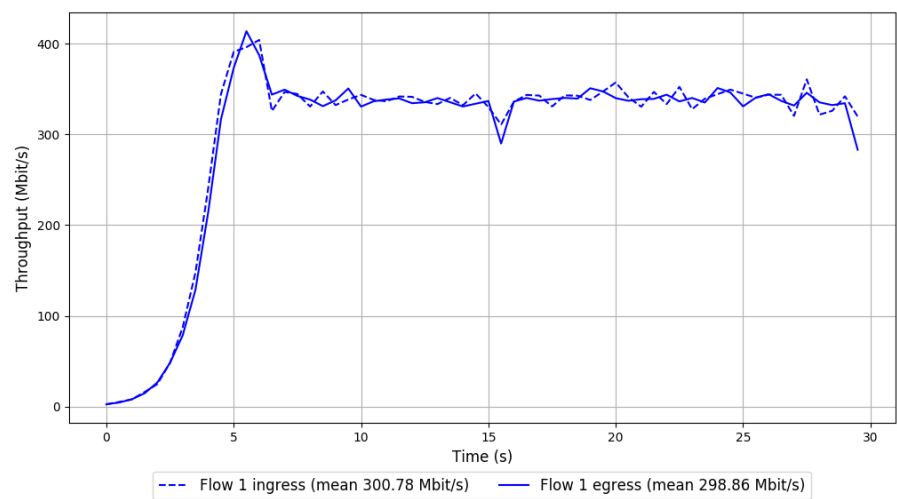
-- Flow 1:

Average throughput: 298.86 Mbit/s

95th percentile per-packet one-way delay: 72.539 ms

Loss rate: 0.97%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 01:49:12 +0000

End at: Sun, 06 Aug 2017 01:49:42 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:35:28 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 283.94 Mbit/s

95th percentile per-packet one-way delay: 75.543 ms

Loss rate: 0.43%

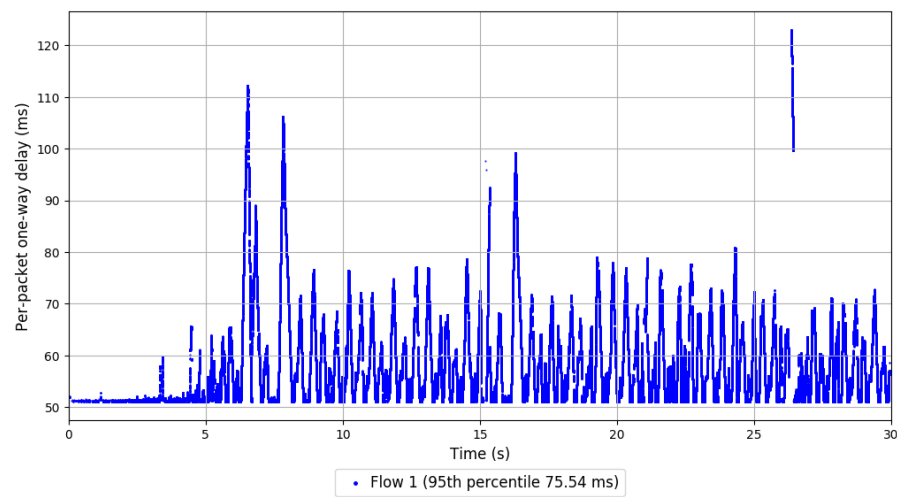
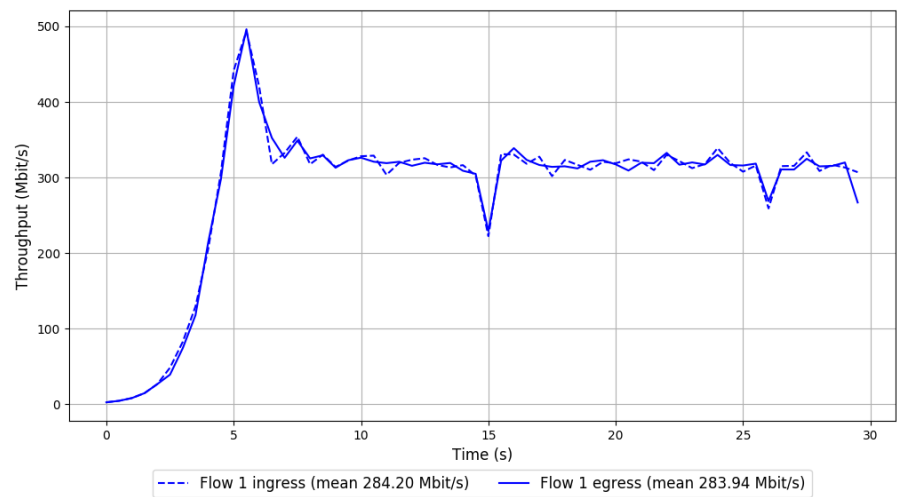
-- Flow 1:

Average throughput: 283.94 Mbit/s

95th percentile per-packet one-way delay: 75.543 ms

Loss rate: 0.43%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 01:59:44 +0000

End at: Sun, 06 Aug 2017 02:00:15 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:36:06 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 297.34 Mbit/s

95th percentile per-packet one-way delay: 70.706 ms

Loss rate: 0.37%

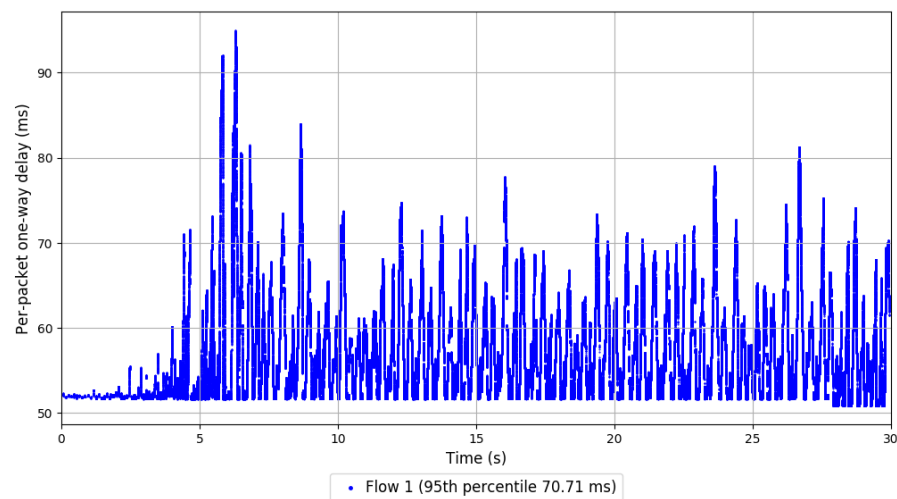
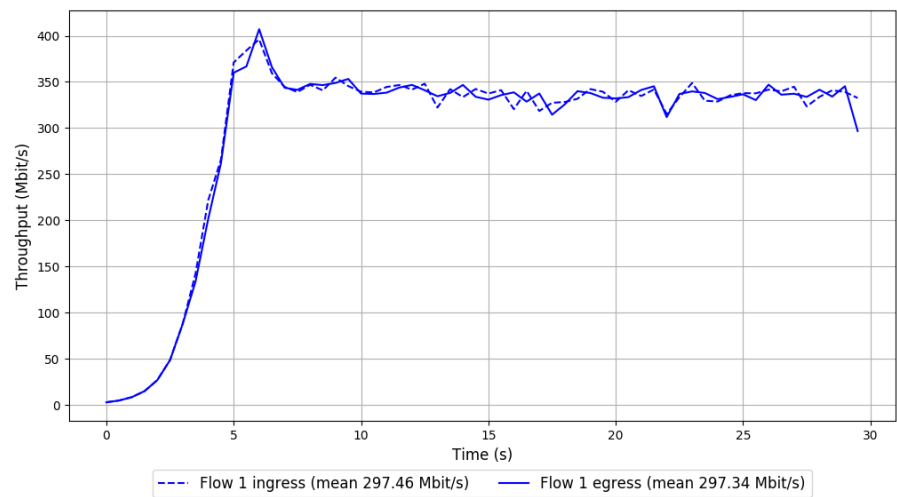
-- Flow 1:

Average throughput: 297.34 Mbit/s

95th percentile per-packet one-way delay: 70.706 ms

Loss rate: 0.37%

Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: Sun, 06 Aug 2017 00:32:06 +0000

End at: Sun, 06 Aug 2017 00:32:36 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:36:08 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.62 Mbit/s

95th percentile per-packet one-way delay: 53.772 ms

Loss rate: 0.48%

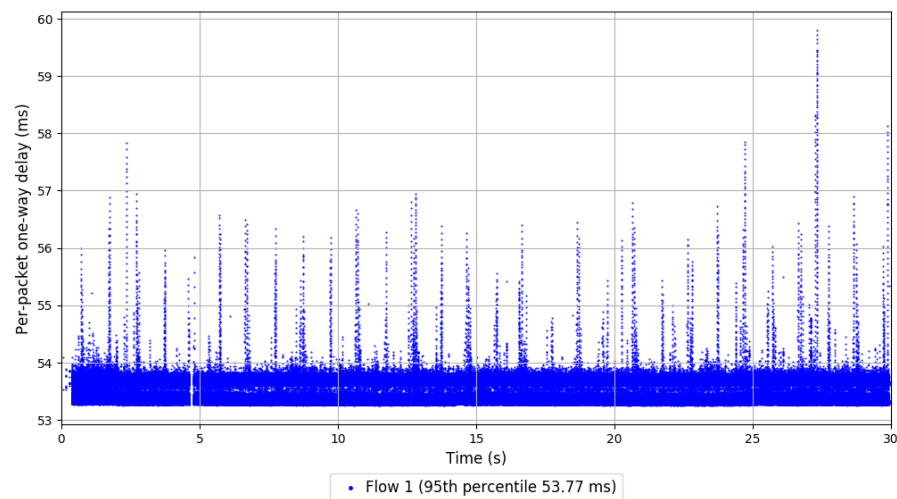
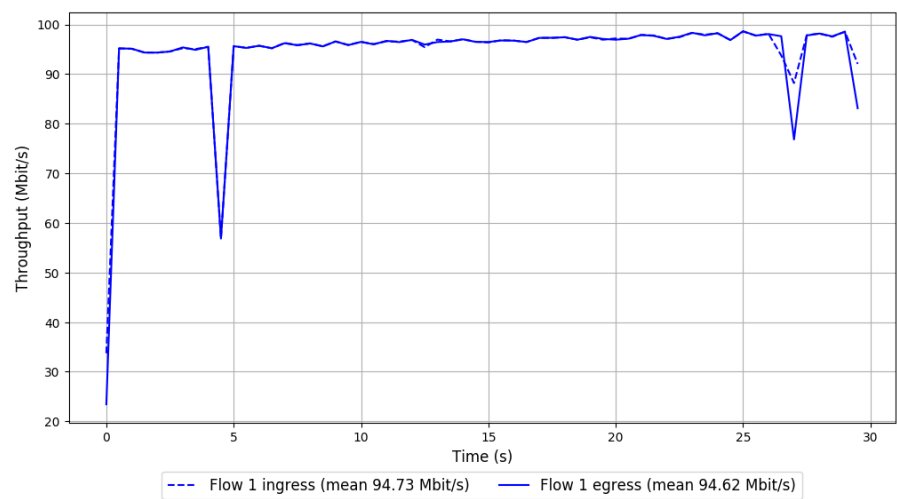
-- Flow 1:

Average throughput: 94.62 Mbit/s

95th percentile per-packet one-way delay: 53.772 ms

Loss rate: 0.48%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: Sun, 06 Aug 2017 00:42:25 +0000

End at: Sun, 06 Aug 2017 00:42:55 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:36:48 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 113.44 Mbit/s

95th percentile per-packet one-way delay: 53.638 ms

Loss rate: 0.63%

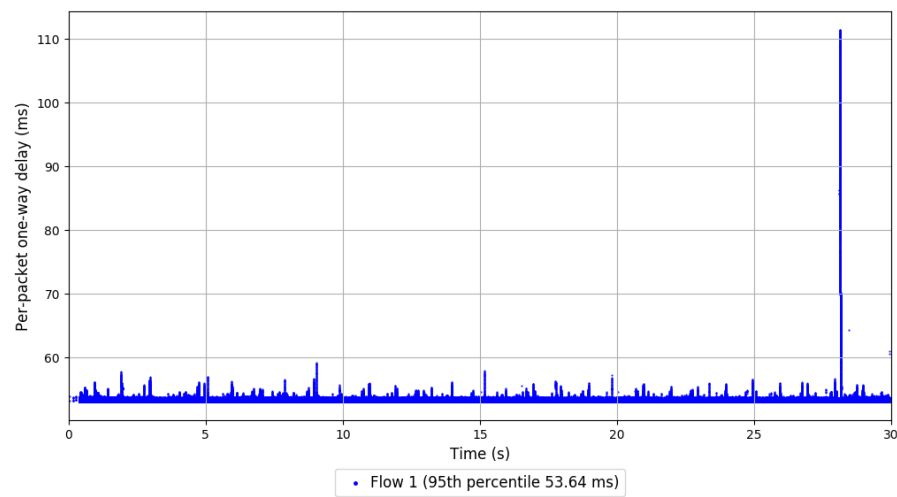
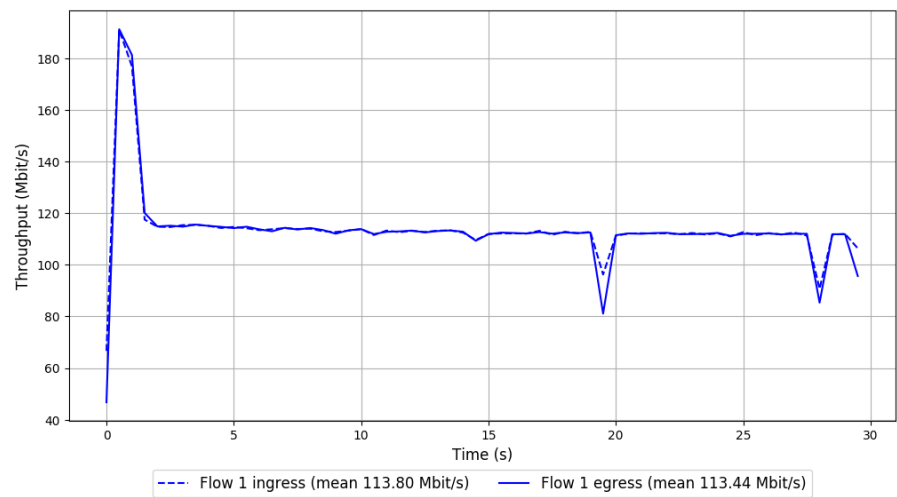
-- Flow 1:

Average throughput: 113.44 Mbit/s

95th percentile per-packet one-way delay: 53.638 ms

Loss rate: 0.63%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: Sun, 06 Aug 2017 00:52:40 +0000

End at: Sun, 06 Aug 2017 00:53:10 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:36:48 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 106.67 Mbit/s

95th percentile per-packet one-way delay: 53.180 ms

Loss rate: 1.26%

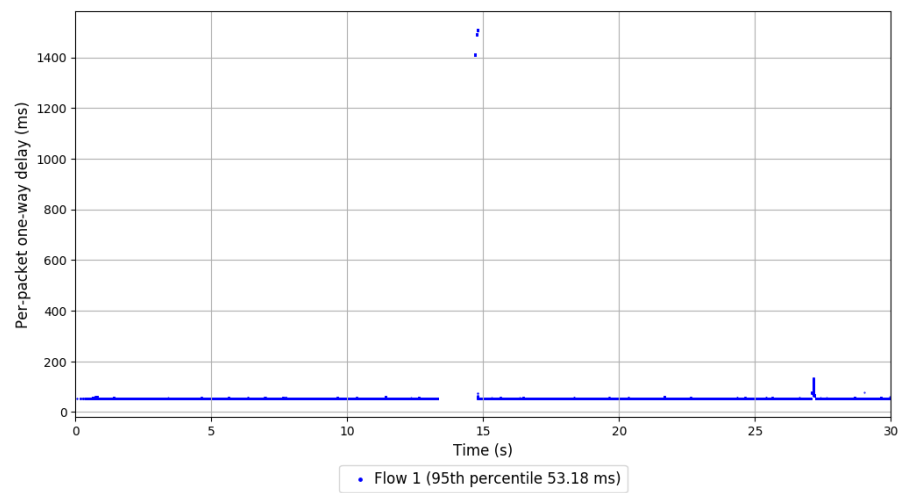
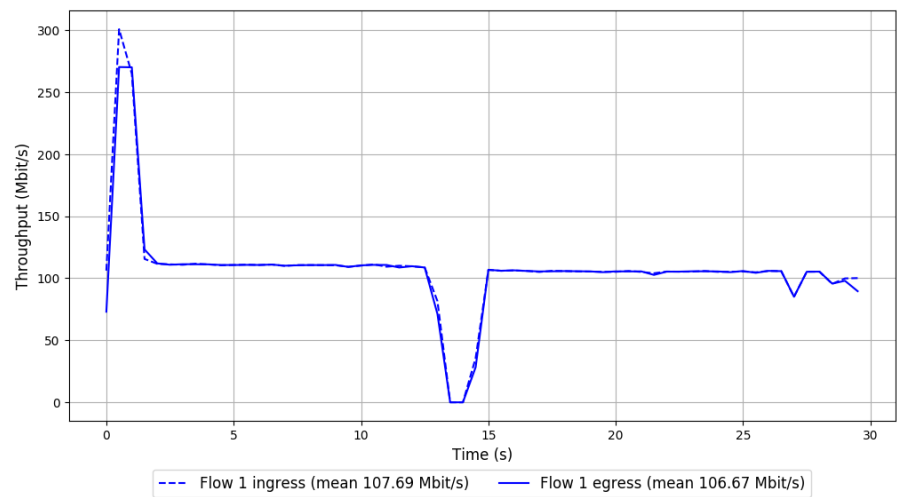
-- Flow 1:

Average throughput: 106.67 Mbit/s

95th percentile per-packet one-way delay: 53.180 ms

Loss rate: 1.26%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: Sun, 06 Aug 2017 01:03:05 +0000

End at: Sun, 06 Aug 2017 01:03:35 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:37:36 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 135.60 Mbit/s

95th percentile per-packet one-way delay: 52.951 ms

Loss rate: 0.32%

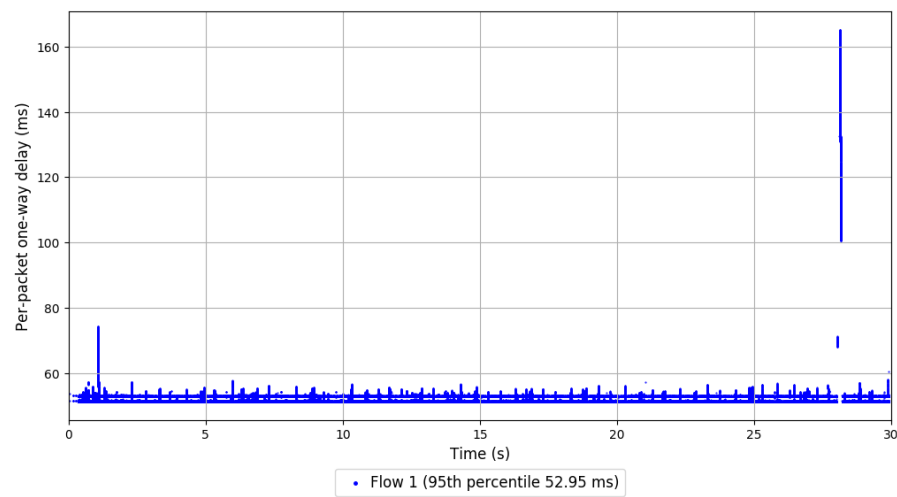
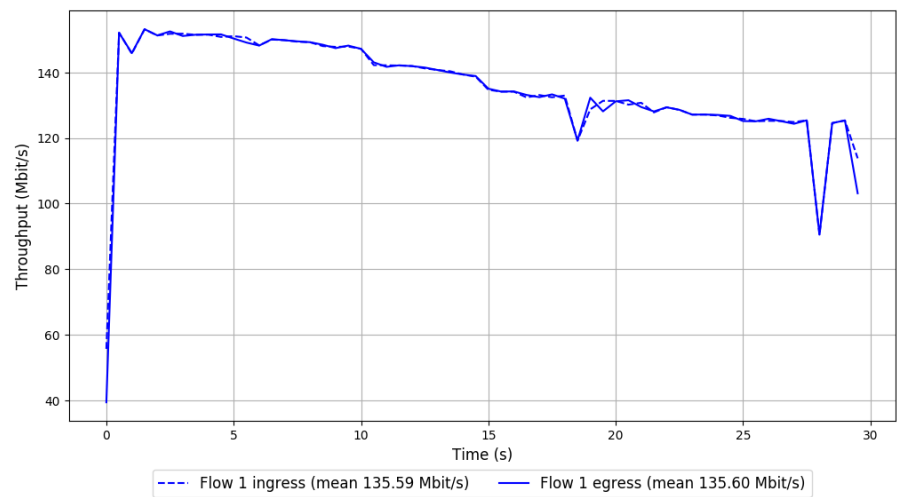
-- Flow 1:

Average throughput: 135.60 Mbit/s

95th percentile per-packet one-way delay: 52.951 ms

Loss rate: 0.32%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: Sun, 06 Aug 2017 01:13:23 +0000

End at: Sun, 06 Aug 2017 01:13:53 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:37:36 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.21 Mbit/s

95th percentile per-packet one-way delay: 53.039 ms

Loss rate: 0.50%

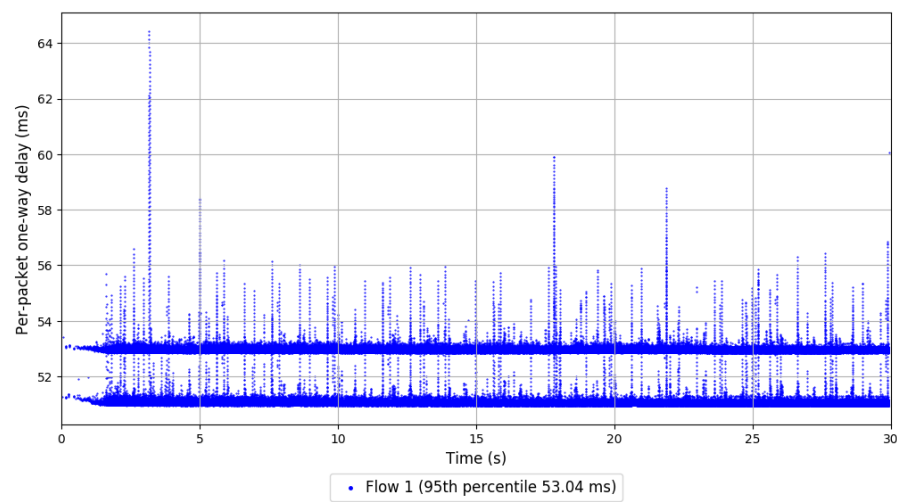
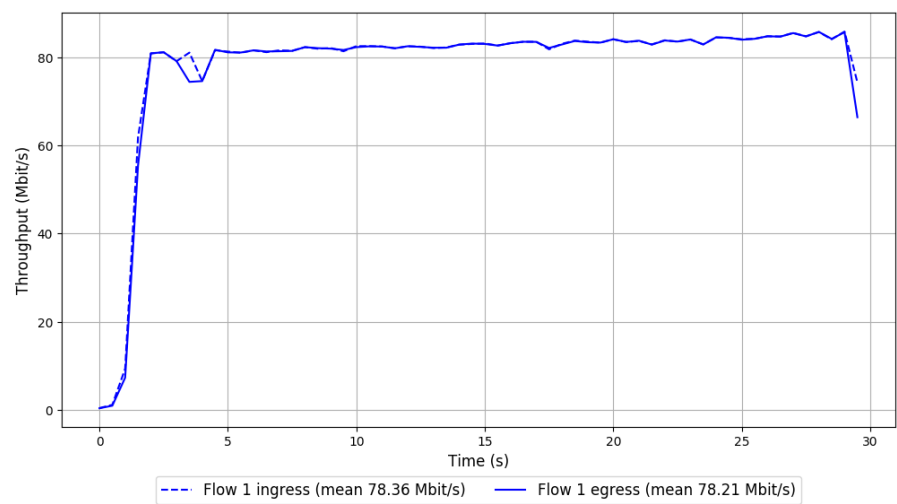
-- Flow 1:

Average throughput: 78.21 Mbit/s

95th percentile per-packet one-way delay: 53.039 ms

Loss rate: 0.50%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: Sun, 06 Aug 2017 01:23:49 +0000

End at: Sun, 06 Aug 2017 01:24:19 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:37:58 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 110.58 Mbit/s

95th percentile per-packet one-way delay: 52.645 ms

Loss rate: 0.41%

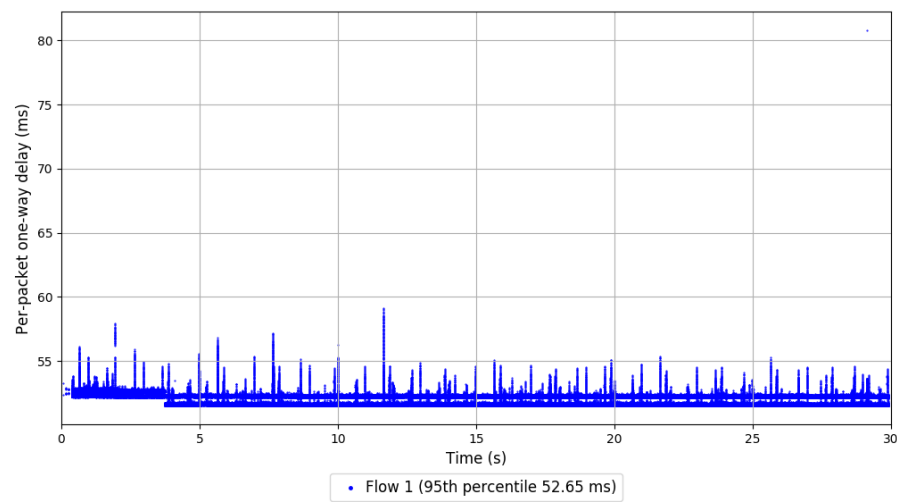
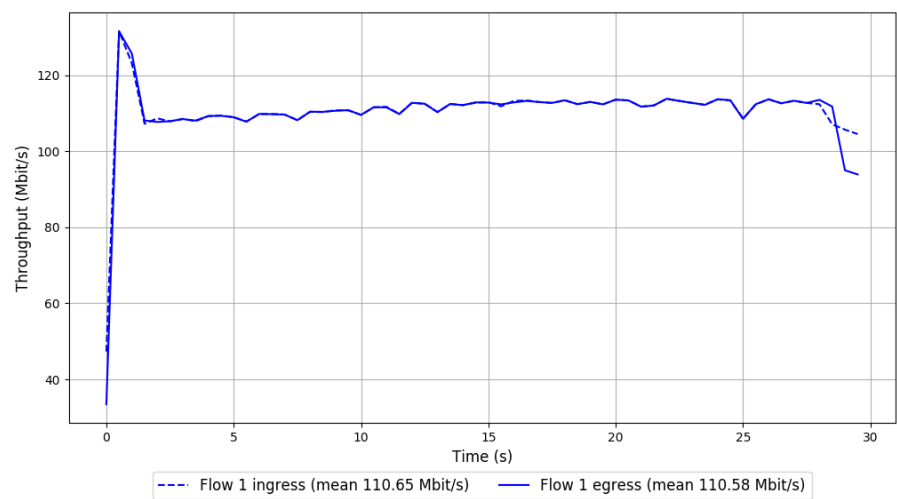
-- Flow 1:

Average throughput: 110.58 Mbit/s

95th percentile per-packet one-way delay: 52.645 ms

Loss rate: 0.41%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: Sun, 06 Aug 2017 01:34:37 +0000

End at: Sun, 06 Aug 2017 01:35:07 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:38:28 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.47 Mbit/s

95th percentile per-packet one-way delay: 52.403 ms

Loss rate: 0.28%

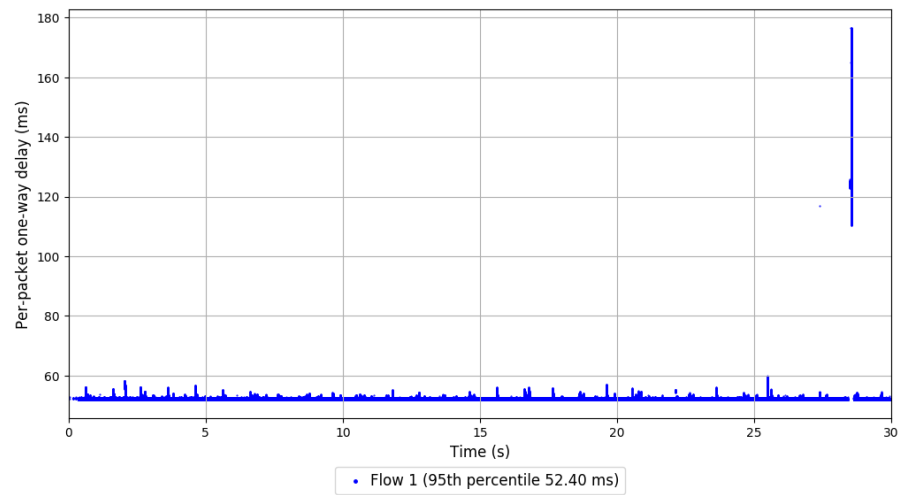
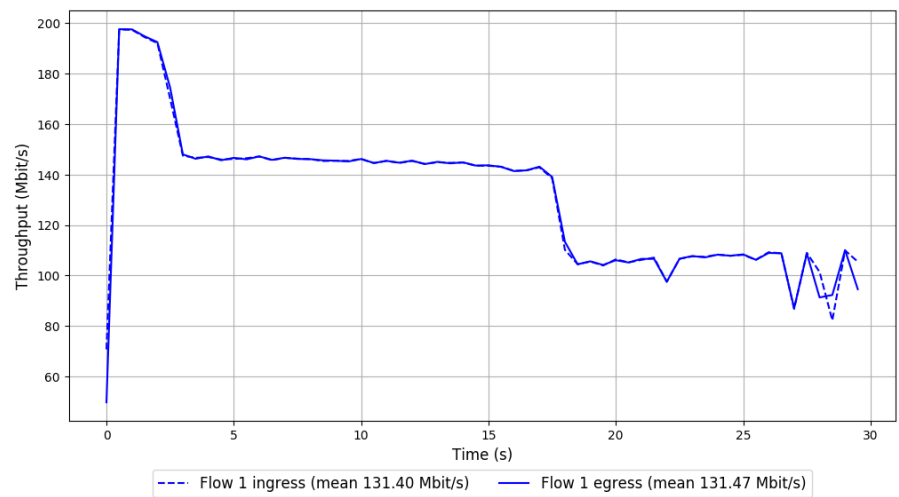
-- Flow 1:

Average throughput: 131.47 Mbit/s

95th percentile per-packet one-way delay: 52.403 ms

Loss rate: 0.28%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: Sun, 06 Aug 2017 01:45:10 +0000

End at: Sun, 06 Aug 2017 01:45:40 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:38:33 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.17 Mbit/s

95th percentile per-packet one-way delay: 52.454 ms

Loss rate: 15.49%

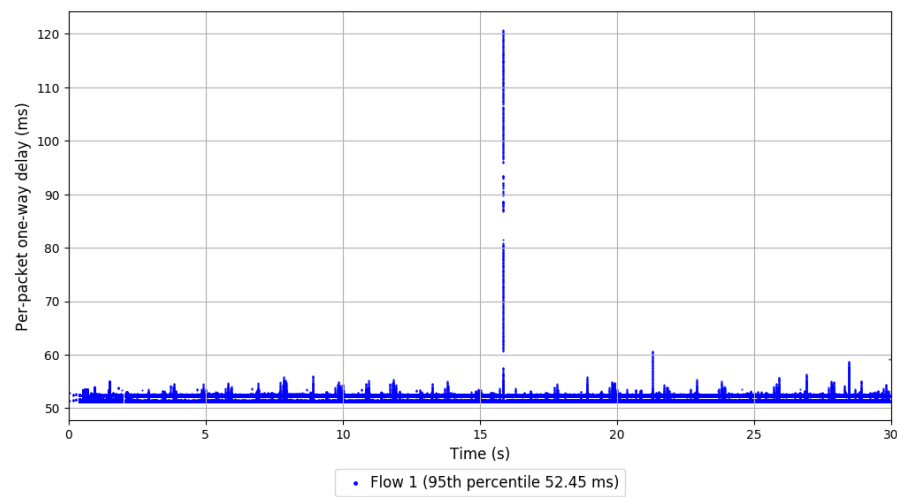
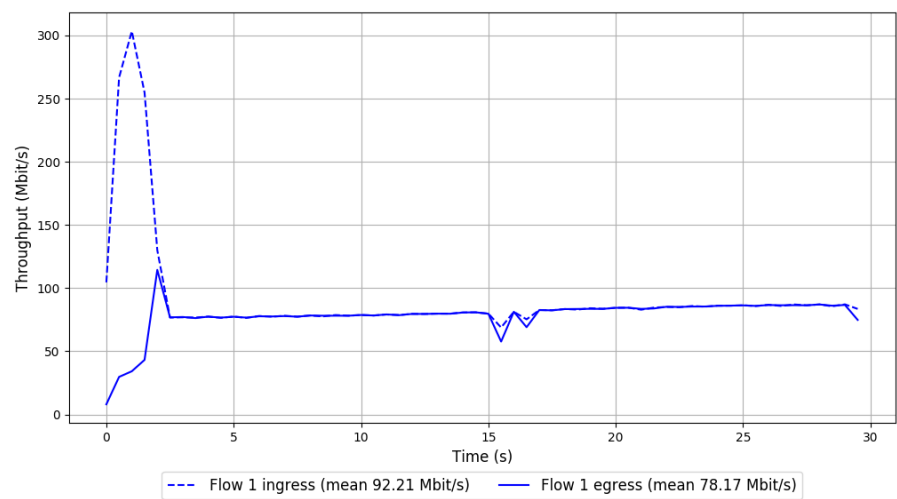
-- Flow 1:

Average throughput: 78.17 Mbit/s

95th percentile per-packet one-way delay: 52.454 ms

Loss rate: 15.49%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: Sun, 06 Aug 2017 01:55:30 +0000

End at: Sun, 06 Aug 2017 01:56:00 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:39:10 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 112.99 Mbit/s

95th percentile per-packet one-way delay: 51.033 ms

Loss rate: 0.33%

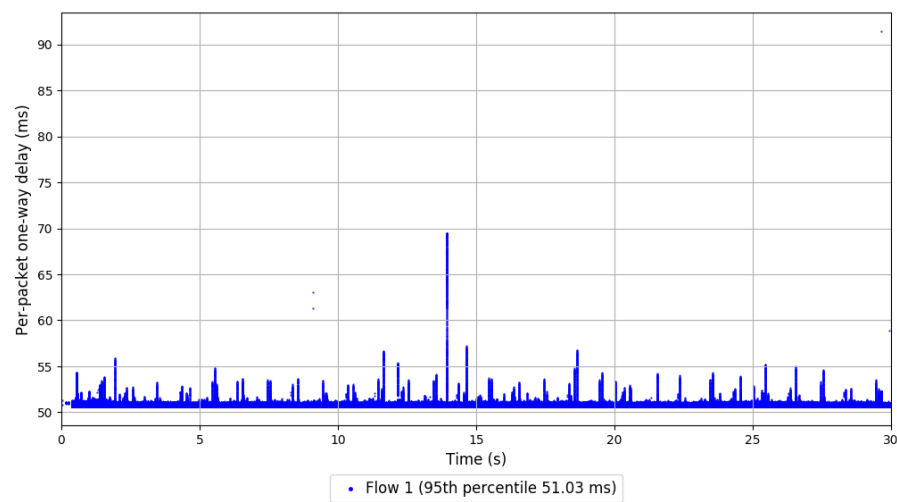
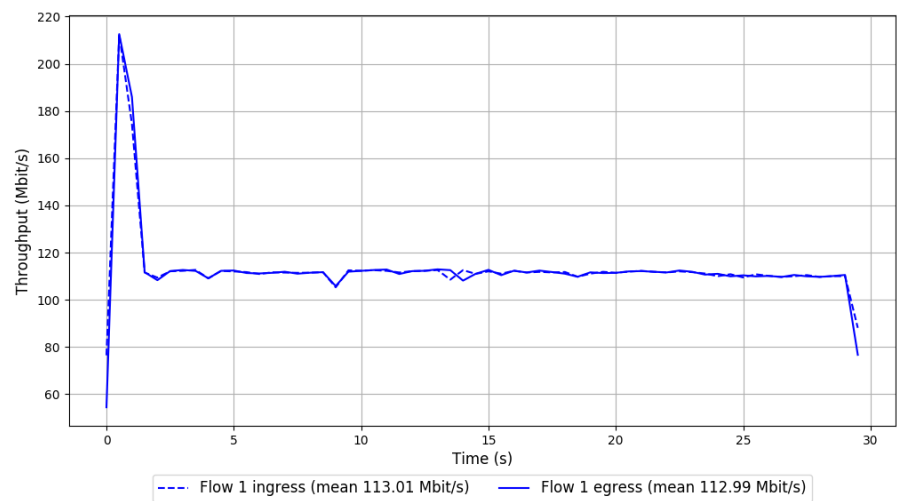
-- Flow 1:

Average throughput: 112.99 Mbit/s

95th percentile per-packet one-way delay: 51.033 ms

Loss rate: 0.33%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: Sun, 06 Aug 2017 02:06:06 +0000

End at: Sun, 06 Aug 2017 02:06:36 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:39:14 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 114.16 Mbit/s

95th percentile per-packet one-way delay: 51.817 ms

Loss rate: 0.32%

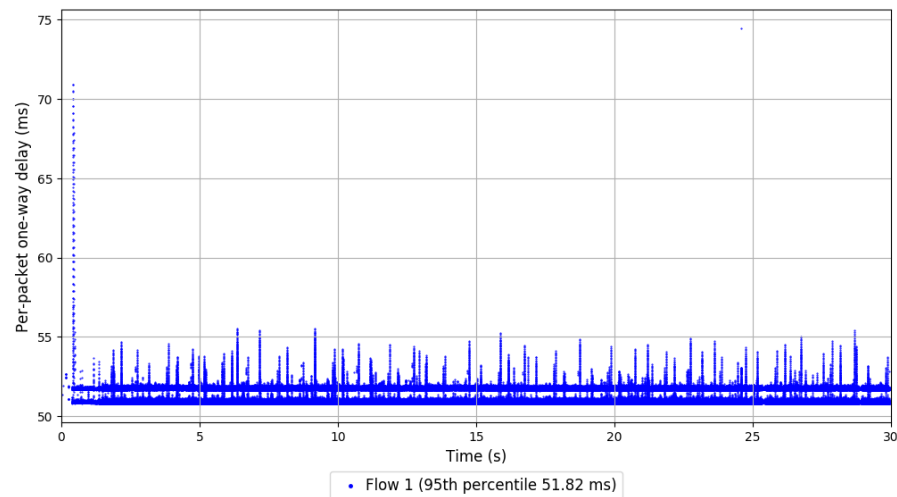
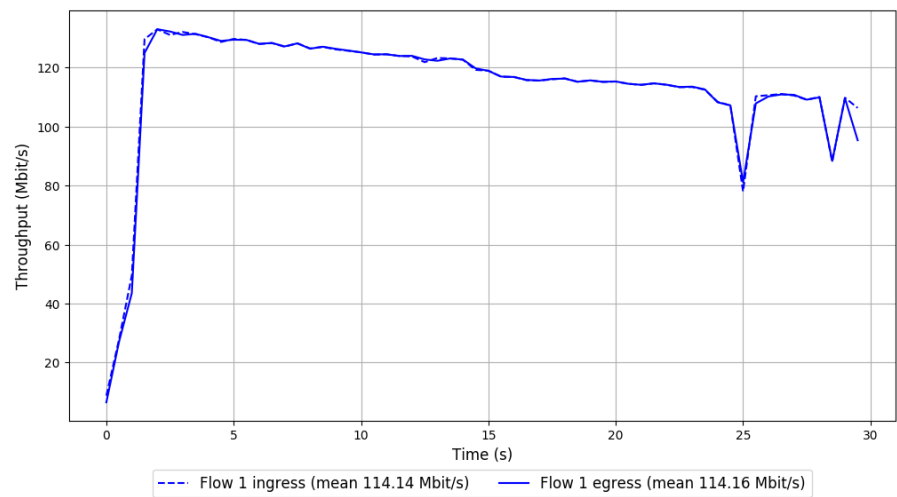
-- Flow 1:

Average throughput: 114.16 Mbit/s

95th percentile per-packet one-way delay: 51.817 ms

Loss rate: 0.32%

Run 10: Report of Copa — Data Link

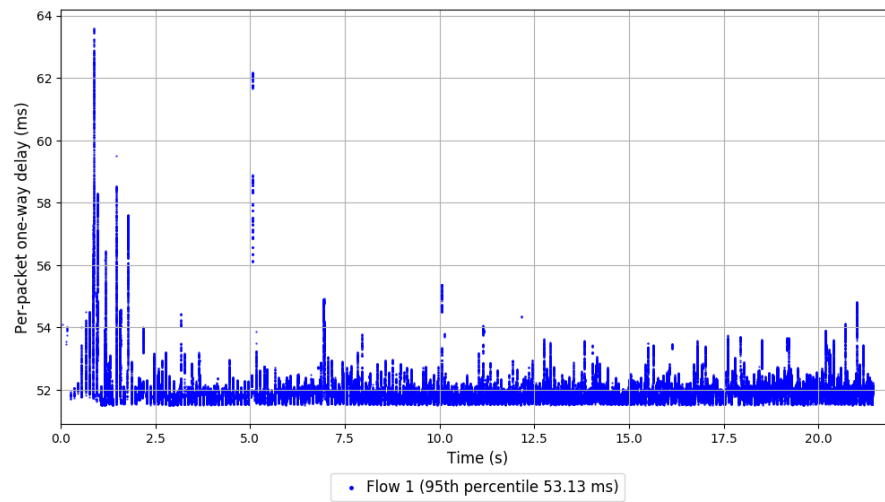
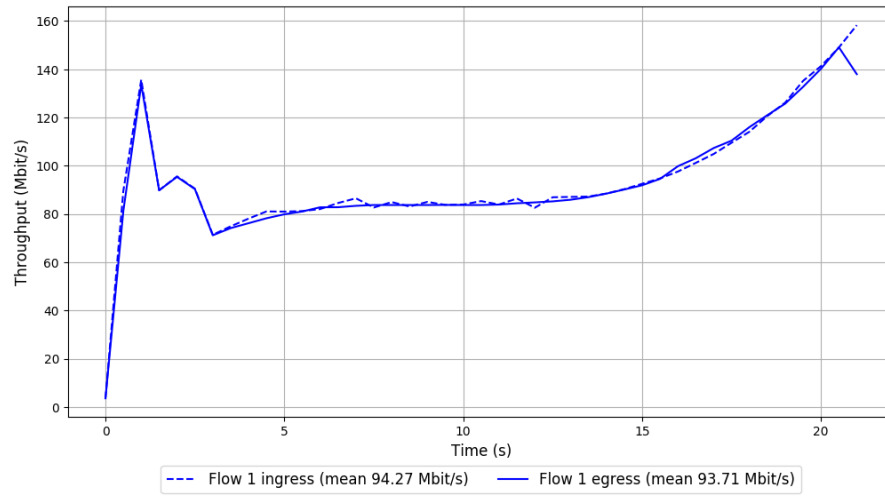


Run 1: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 00:30:46 +0000

End at: Sun, 06 Aug 2017 00:31:16 +0000

Run 1: Report of TCP Cubic — Data Link

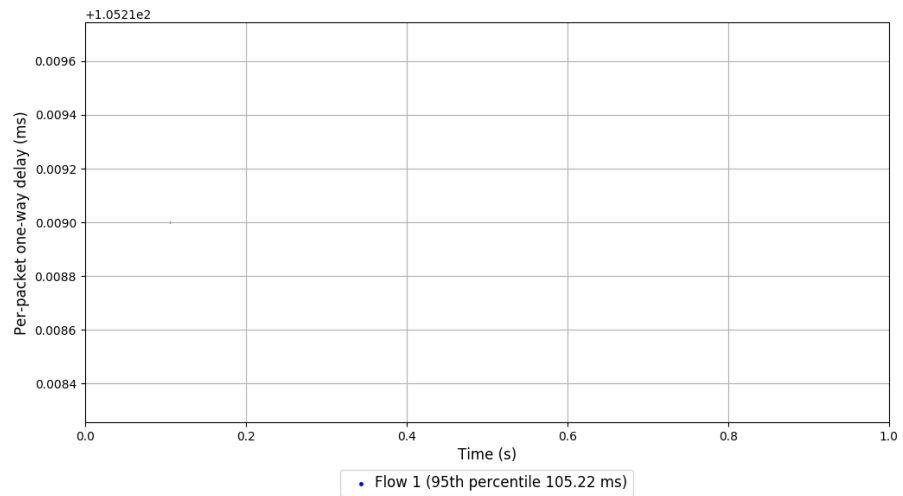
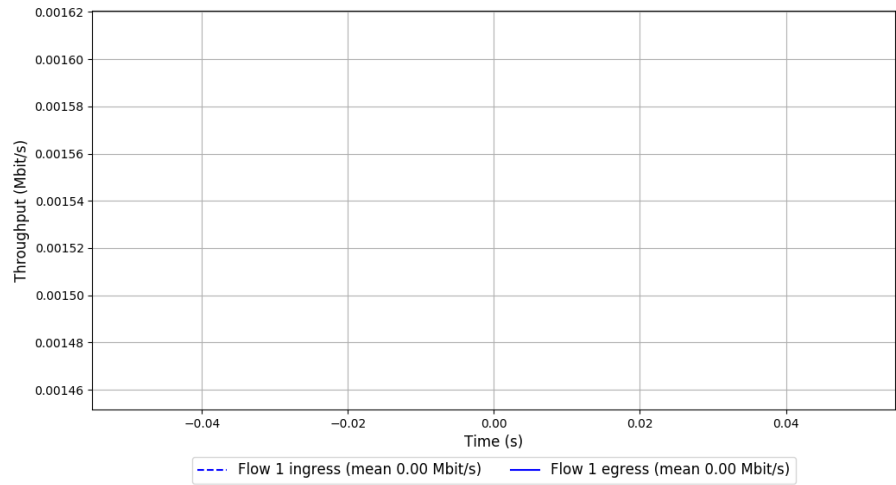


Run 2: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 00:41:10 +0000

End at: Sun, 06 Aug 2017 00:41:40 +0000

Run 2: Report of TCP Cubic — Data Link

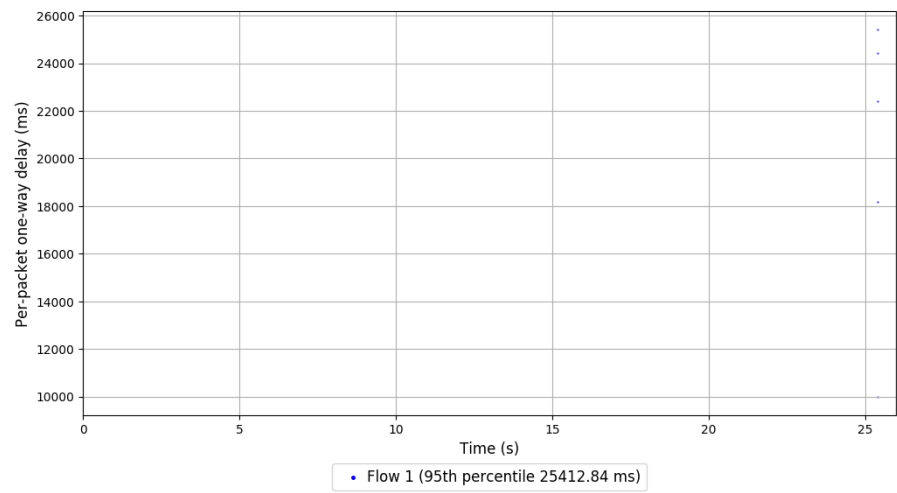
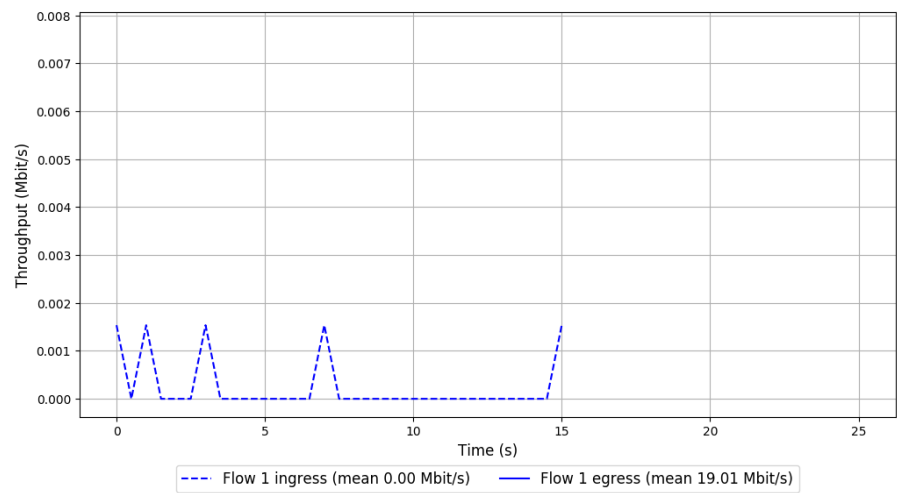


Run 3: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 00:51:27 +0000

End at: Sun, 06 Aug 2017 00:51:57 +0000

Run 3: Report of TCP Cubic — Data Link

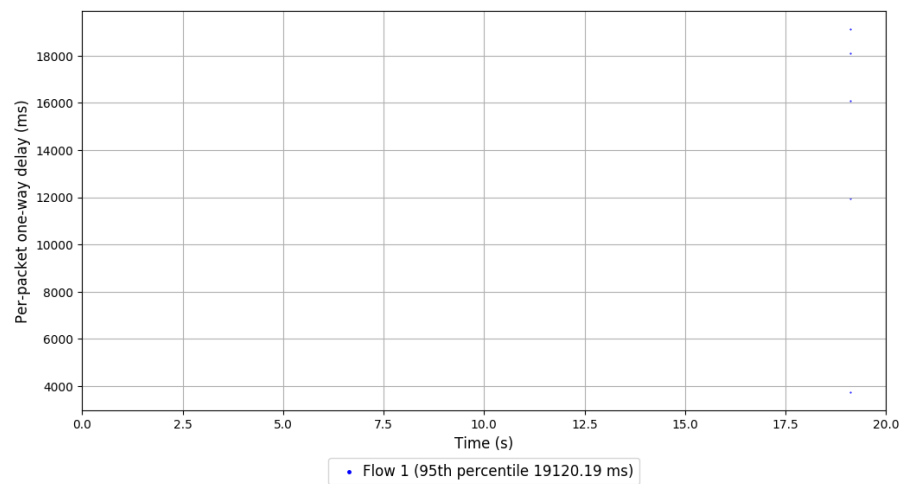
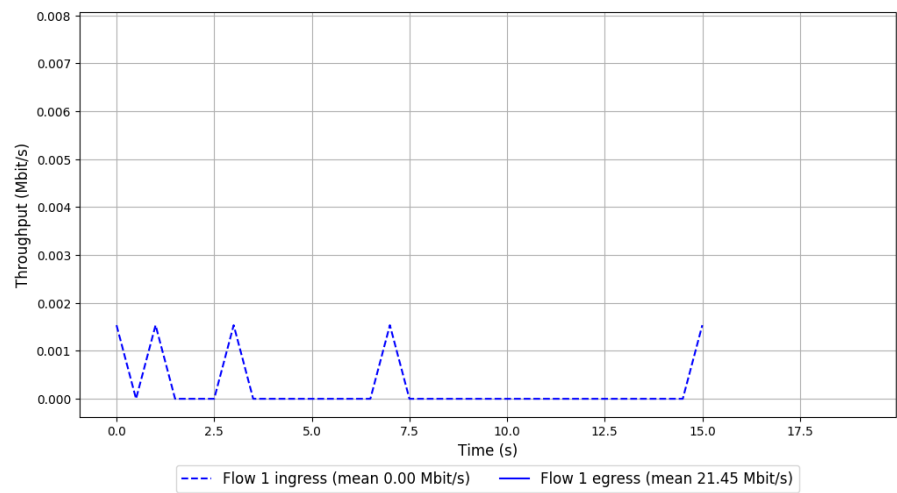


Run 4: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 01:01:49 +0000

End at: Sun, 06 Aug 2017 01:02:19 +0000

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 01:12:08 +0000

End at: Sun, 06 Aug 2017 01:12:38 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:39:23 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.33 Mbit/s

95th percentile per-packet one-way delay: 53.406 ms

Loss rate: 3.29%

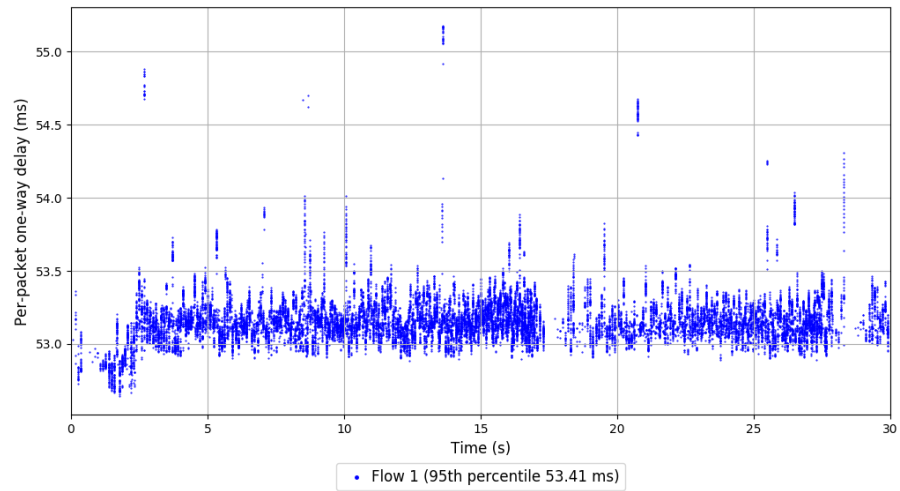
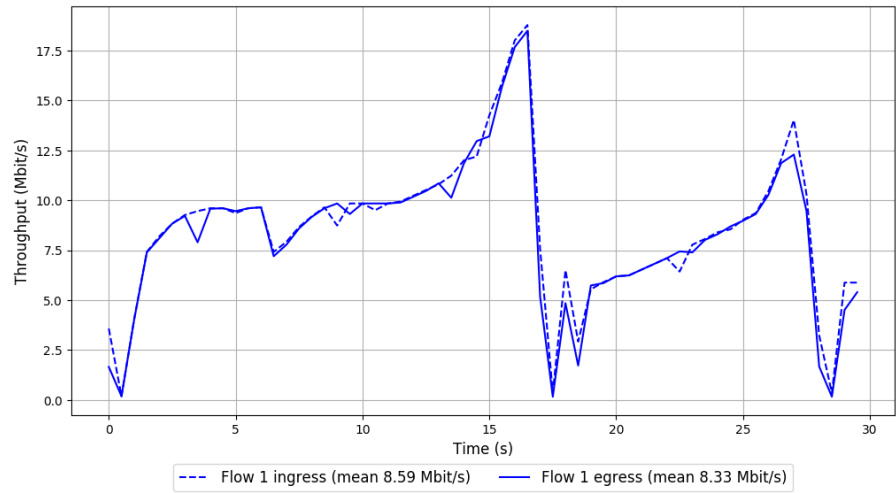
-- Flow 1:

Average throughput: 8.33 Mbit/s

95th percentile per-packet one-way delay: 53.406 ms

Loss rate: 3.29%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 01:22:29 +0000

End at: Sun, 06 Aug 2017 01:22:59 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:39:38 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.13 Mbit/s

95th percentile per-packet one-way delay: 57.437 ms

Loss rate: 0.73%

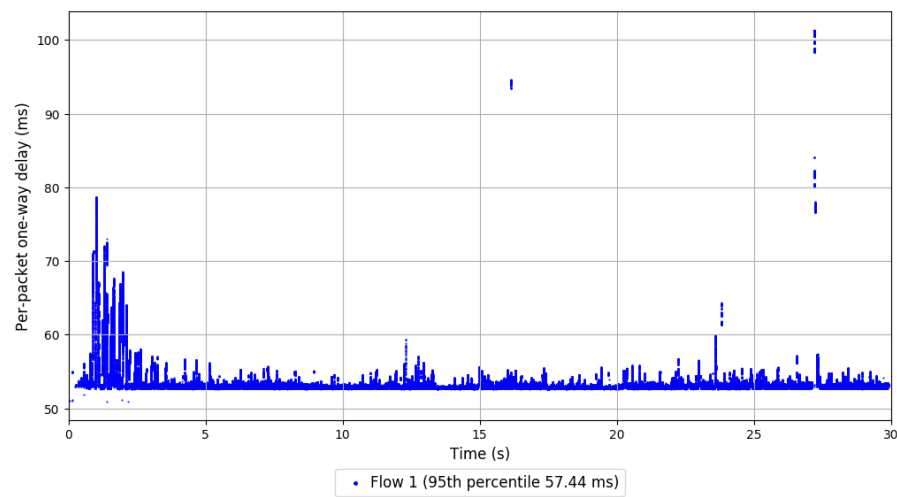
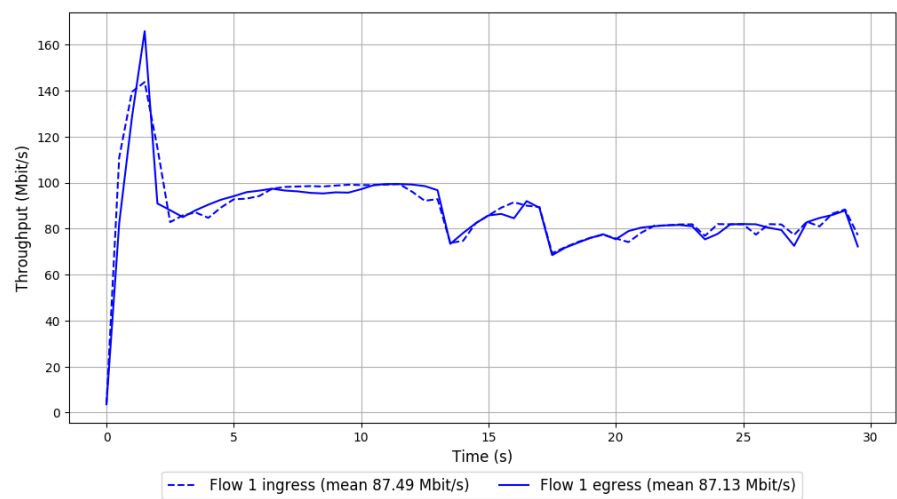
-- Flow 1:

Average throughput: 87.13 Mbit/s

95th percentile per-packet one-way delay: 57.437 ms

Loss rate: 0.73%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 01:33:15 +0000

End at: Sun, 06 Aug 2017 01:33:45 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:39:39 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.18 Mbit/s

95th percentile per-packet one-way delay: 55.255 ms

Loss rate: 0.58%

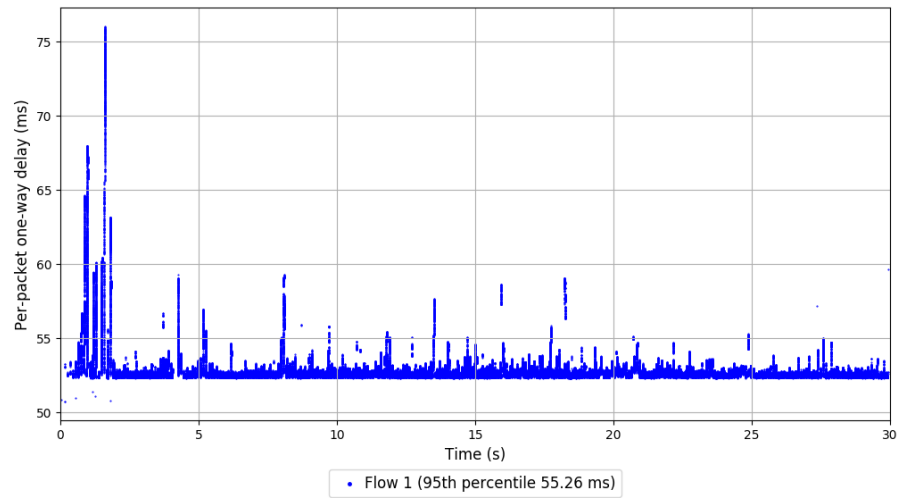
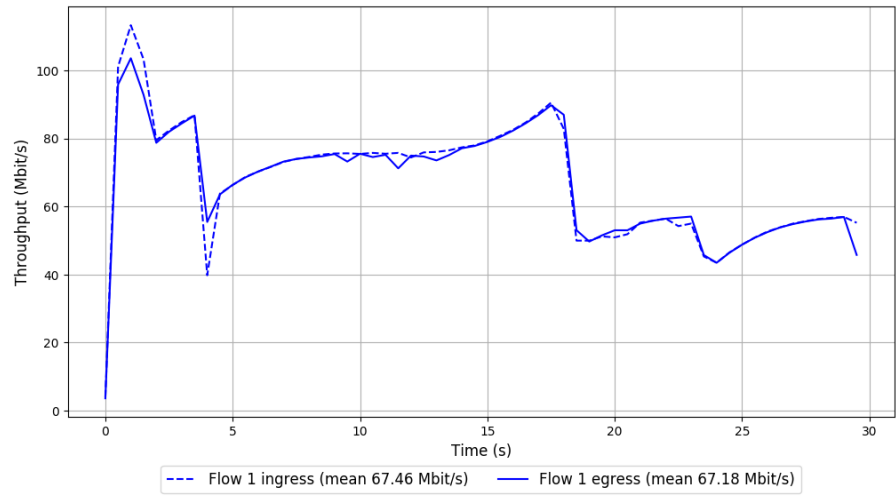
-- Flow 1:

Average throughput: 67.18 Mbit/s

95th percentile per-packet one-way delay: 55.255 ms

Loss rate: 0.58%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 01:43:52 +0000

End at: Sun, 06 Aug 2017 01:44:22 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:39:54 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.02 Mbit/s

95th percentile per-packet one-way delay: 52.871 ms

Loss rate: 0.73%

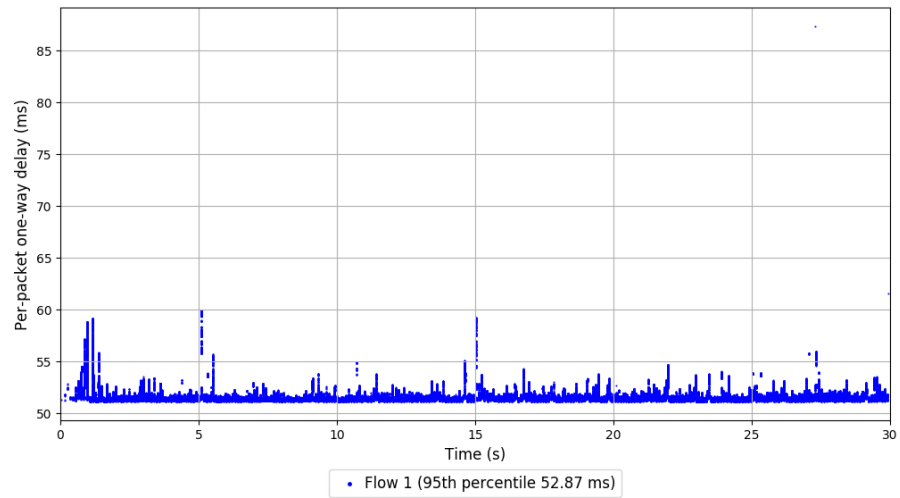
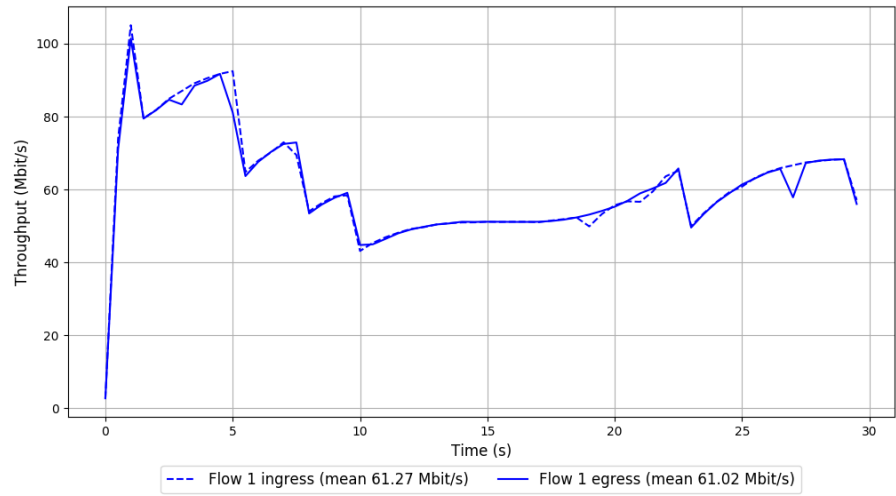
-- Flow 1:

Average throughput: 61.02 Mbit/s

95th percentile per-packet one-way delay: 52.871 ms

Loss rate: 0.73%

Run 8: Report of TCP Cubic — Data Link

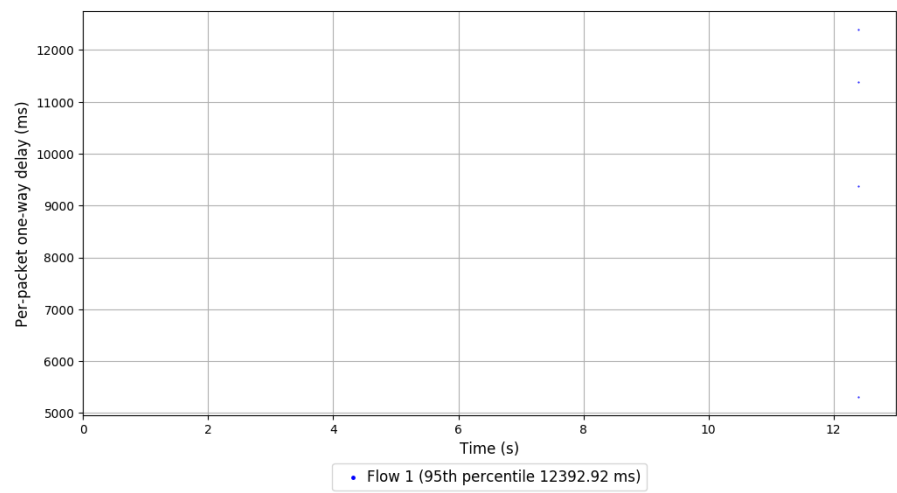
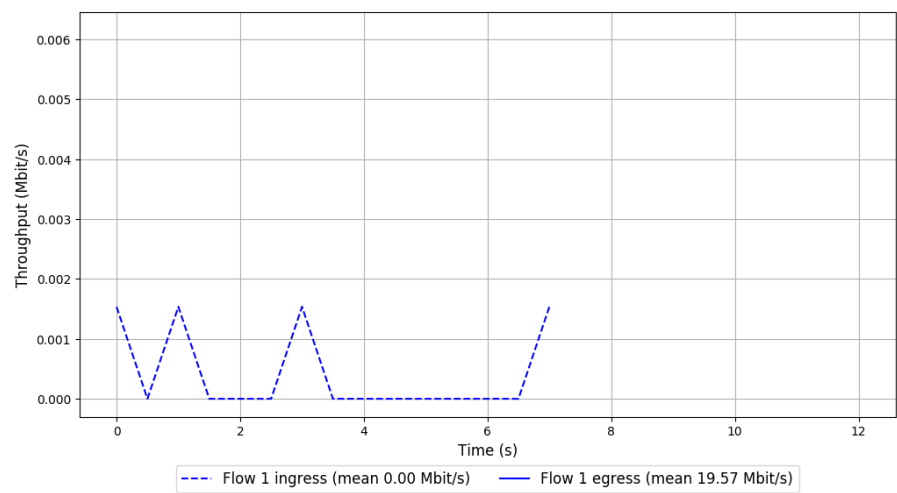


Run 9: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 01:54:13 +0000

End at: Sun, 06 Aug 2017 01:54:43 +0000

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 02:04:45 +0000

End at: Sun, 06 Aug 2017 02:05:15 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:40:00 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.22 Mbit/s

95th percentile per-packet one-way delay: 51.965 ms

Loss rate: 0.41%

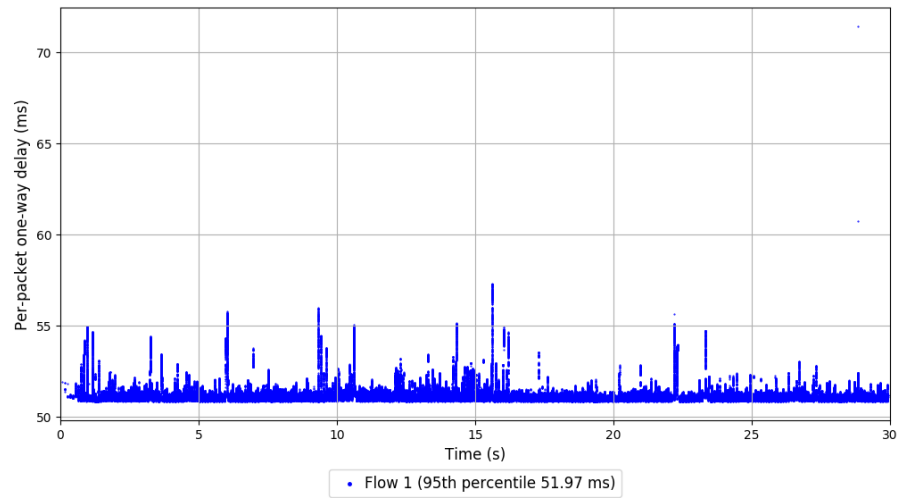
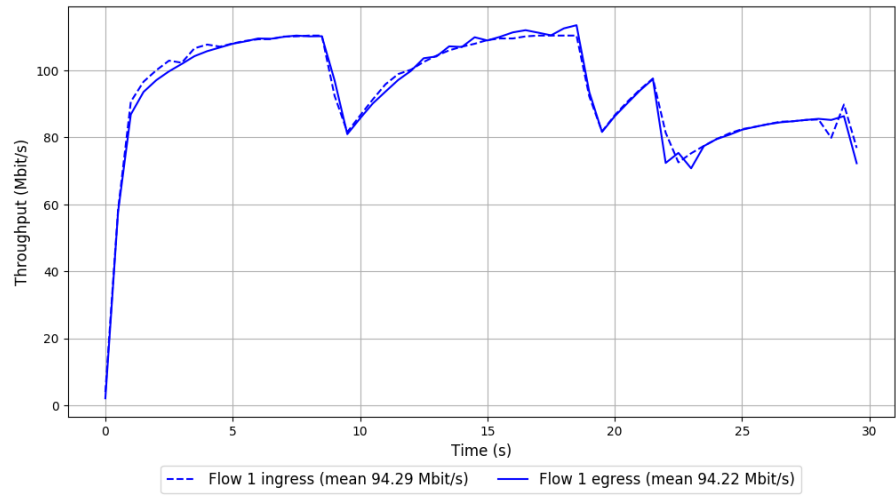
-- Flow 1:

Average throughput: 94.22 Mbit/s

95th percentile per-packet one-way delay: 51.965 ms

Loss rate: 0.41%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 00:30:08 +0000

End at: Sun, 06 Aug 2017 00:30:38 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:40:00 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.33 Mbit/s

95th percentile per-packet one-way delay: 53.914 ms

Loss rate: 31.48%

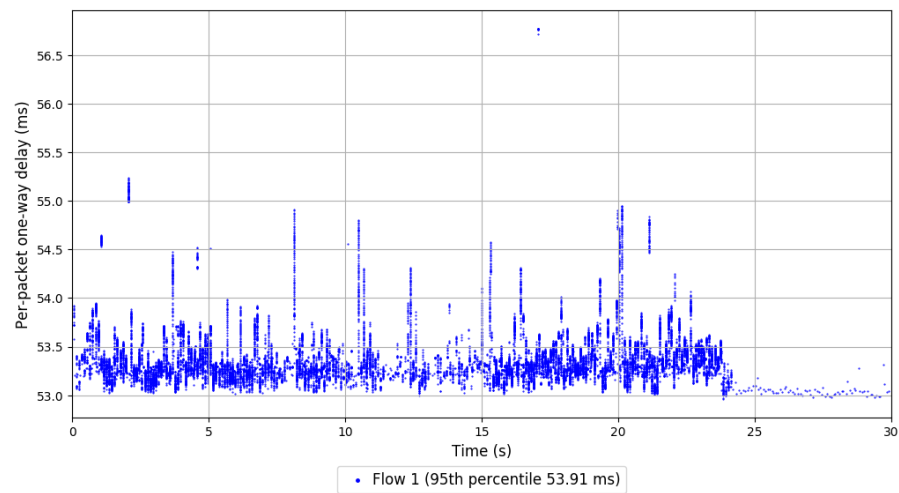
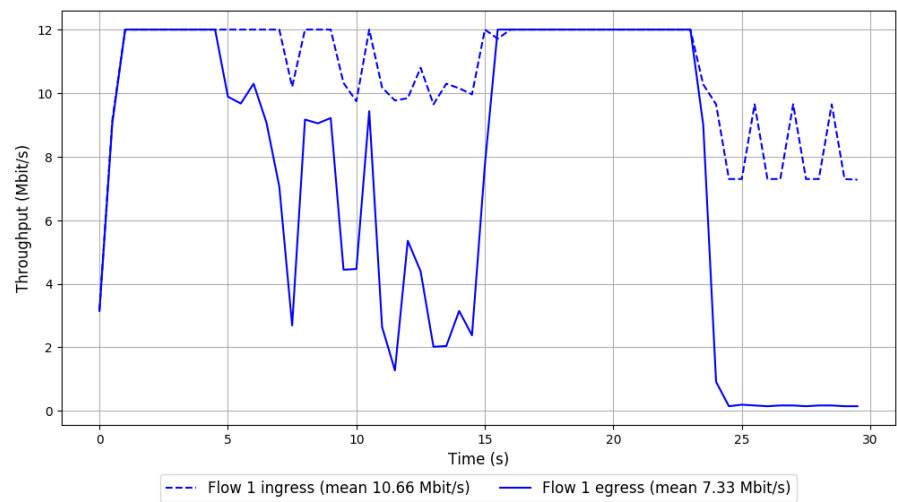
-- Flow 1:

Average throughput: 7.33 Mbit/s

95th percentile per-packet one-way delay: 53.914 ms

Loss rate: 31.48%

Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 00:40:32 +0000

End at: Sun, 06 Aug 2017 00:41:02 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:40:00 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.56 Mbit/s

95th percentile per-packet one-way delay: 54.156 ms

Loss rate: 1.85%

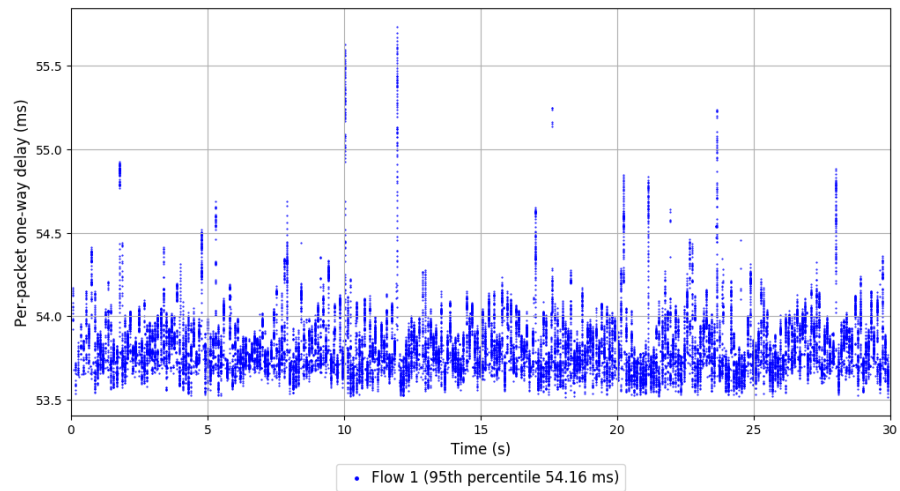
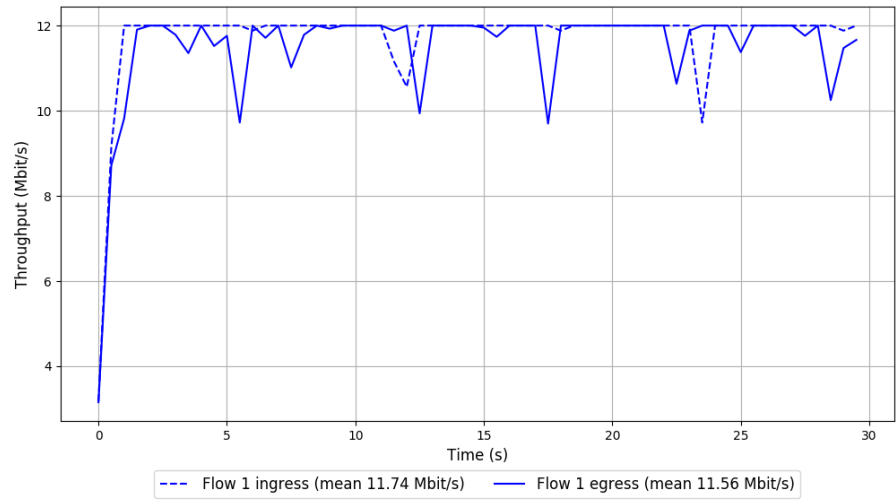
-- Flow 1:

Average throughput: 11.56 Mbit/s

95th percentile per-packet one-way delay: 54.156 ms

Loss rate: 1.85%

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 00:50:49 +0000

End at: Sun, 06 Aug 2017 00:51:19 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:40:00 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 54.042 ms

Loss rate: 93.11%

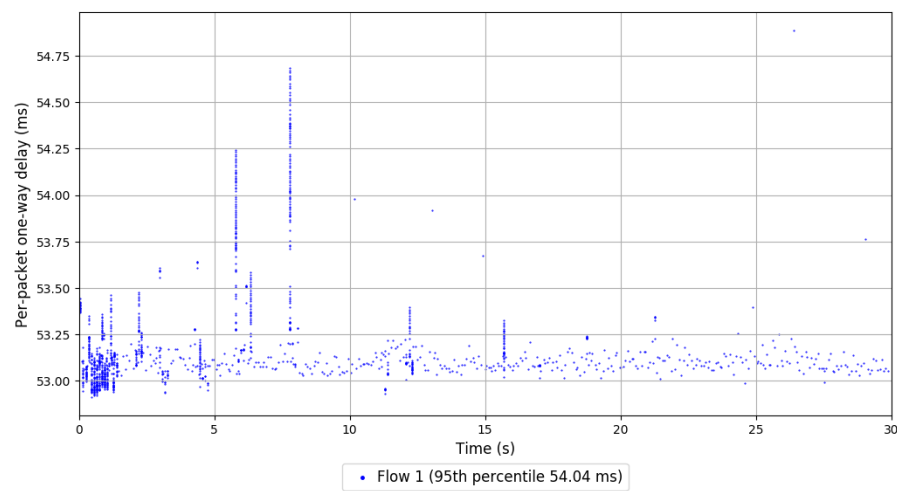
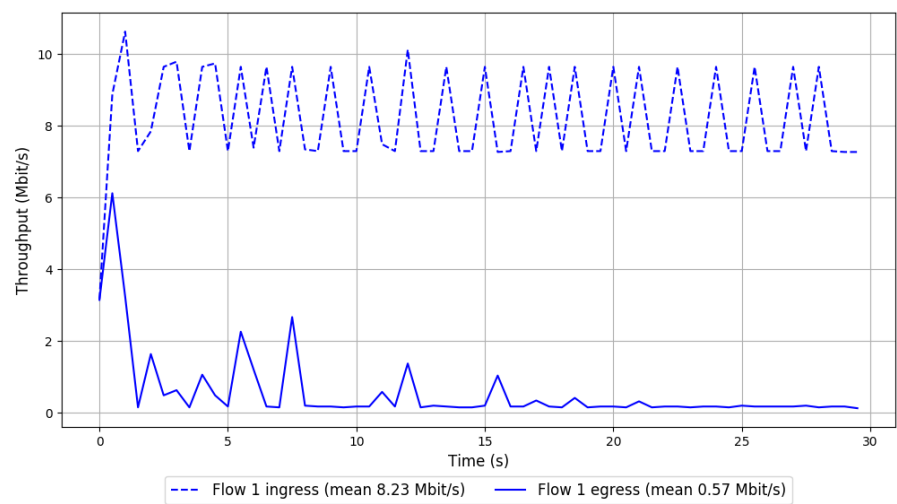
-- Flow 1:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 54.042 ms

Loss rate: 93.11%

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 01:01:12 +0000

End at: Sun, 06 Aug 2017 01:01:42 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:40:03 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.77 Mbit/s

95th percentile per-packet one-way delay: 54.198 ms

Loss rate: 0.39%

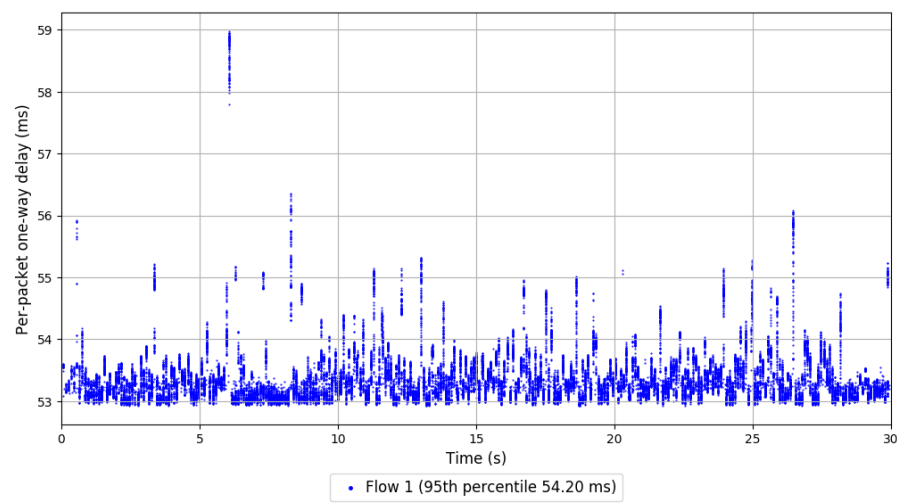
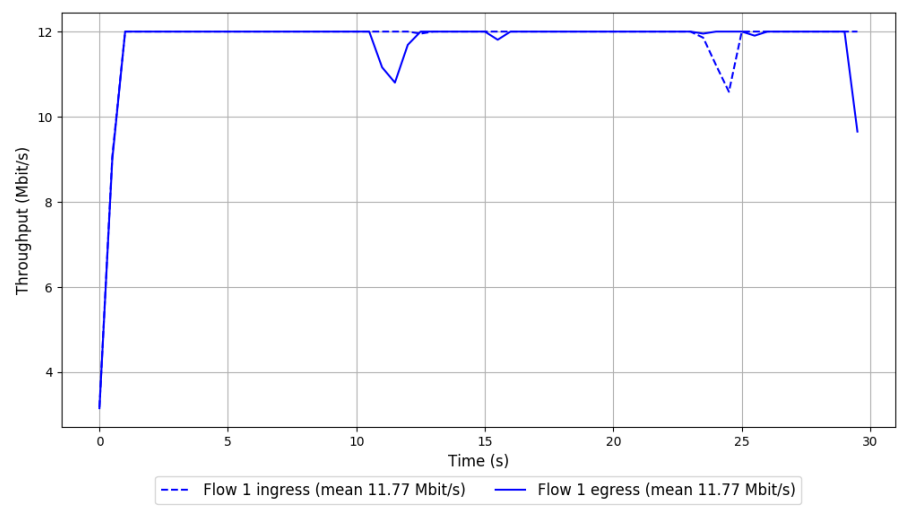
-- Flow 1:

Average throughput: 11.77 Mbit/s

95th percentile per-packet one-way delay: 54.198 ms

Loss rate: 0.39%

Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 01:11:30 +0000

End at: Sun, 06 Aug 2017 01:12:00 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:40:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.71 Mbit/s

95th percentile per-packet one-way delay: 53.491 ms

Loss rate: 0.34%

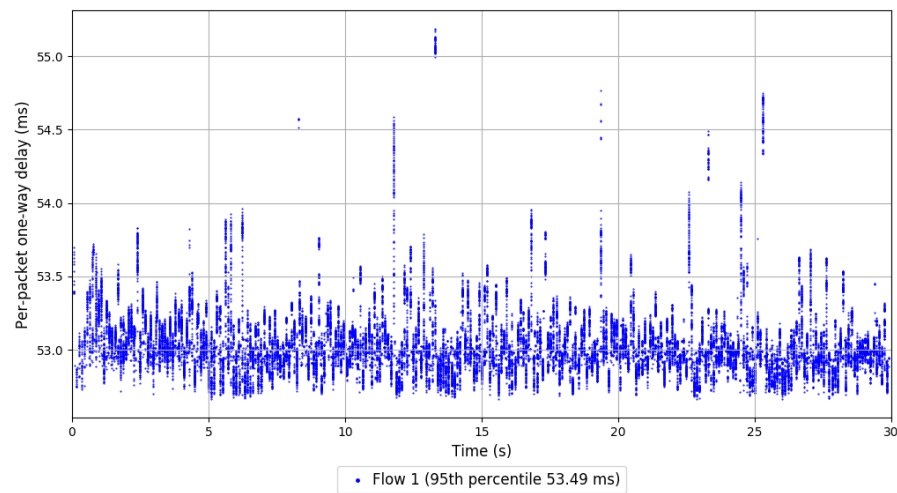
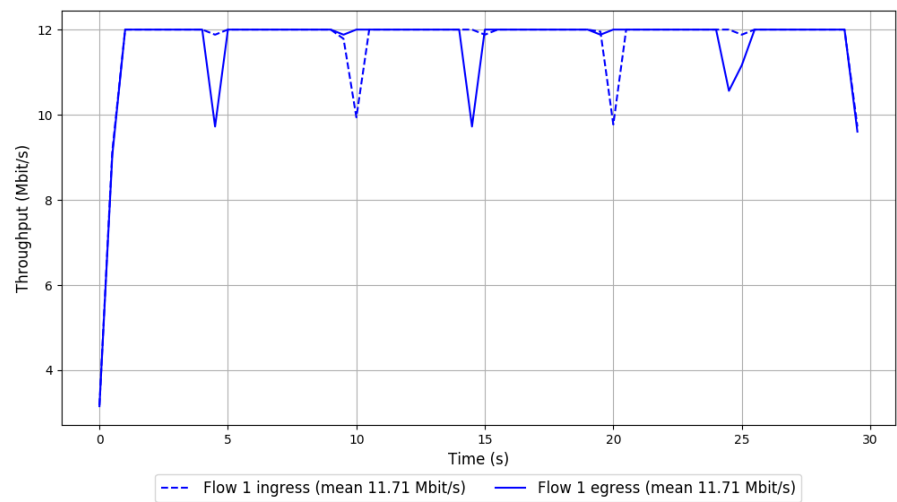
-- Flow 1:

Average throughput: 11.71 Mbit/s

95th percentile per-packet one-way delay: 53.491 ms

Loss rate: 0.34%

Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 01:21:51 +0000

End at: Sun, 06 Aug 2017 01:22:21 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:40:06 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.57 Mbit/s

95th percentile per-packet one-way delay: 53.767 ms

Loss rate: 0.46%

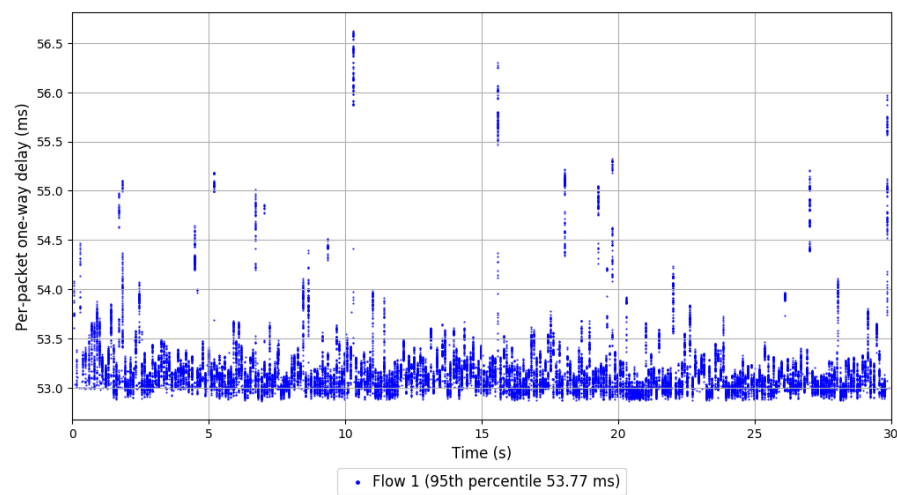
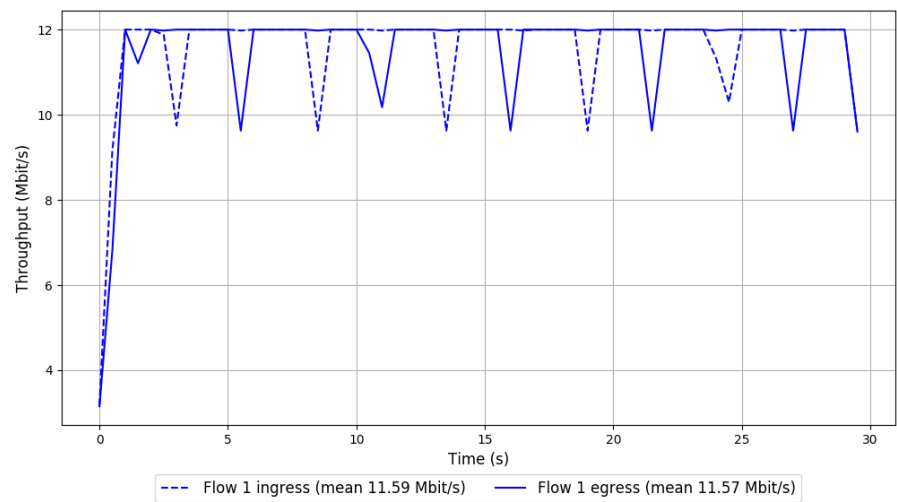
-- Flow 1:

Average throughput: 11.57 Mbit/s

95th percentile per-packet one-way delay: 53.767 ms

Loss rate: 0.46%

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 01:32:37 +0000

End at: Sun, 06 Aug 2017 01:33:07 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:40:08 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.52 Mbit/s

95th percentile per-packet one-way delay: 53.281 ms

Loss rate: 0.92%

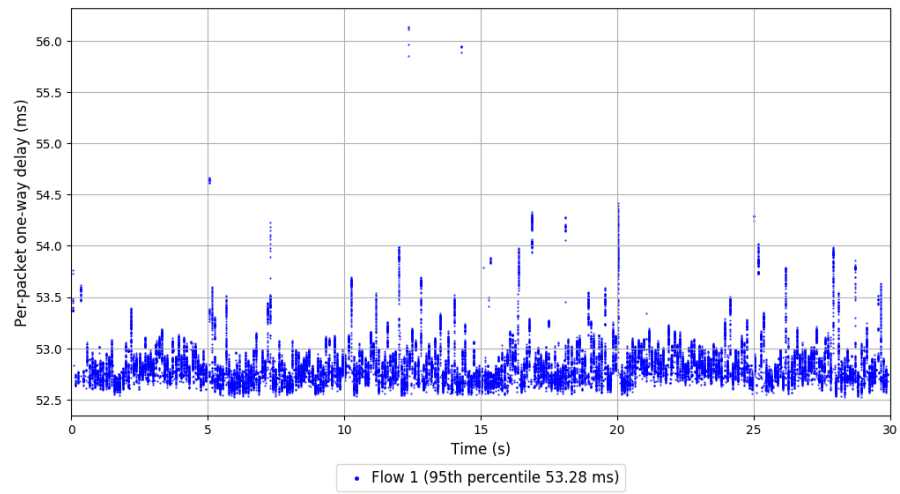
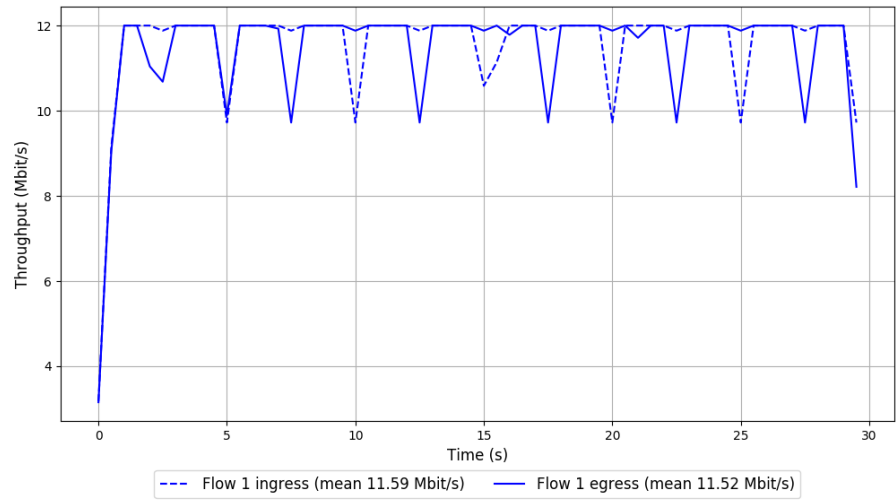
-- Flow 1:

Average throughput: 11.52 Mbit/s

95th percentile per-packet one-way delay: 53.281 ms

Loss rate: 0.92%

Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 01:43:15 +0000

End at: Sun, 06 Aug 2017 01:43:45 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:40:08 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 52.748 ms

Loss rate: 96.41%

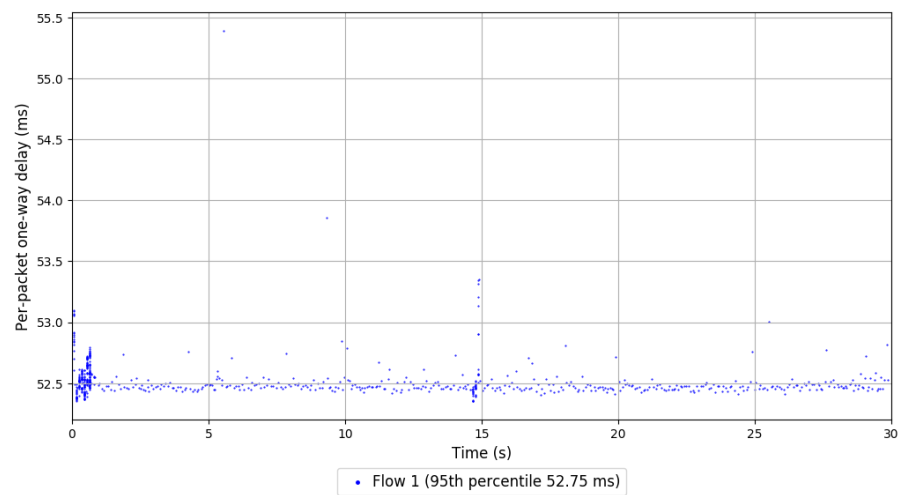
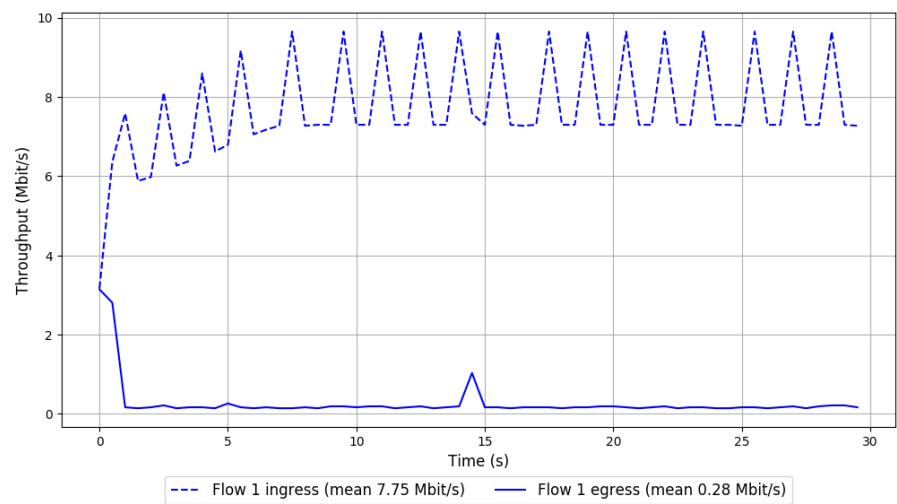
-- Flow 1:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 52.748 ms

Loss rate: 96.41%

Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 01:53:36 +0000

End at: Sun, 06 Aug 2017 01:54:06 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:40:09 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 52.310 ms

Loss rate: 94.22%

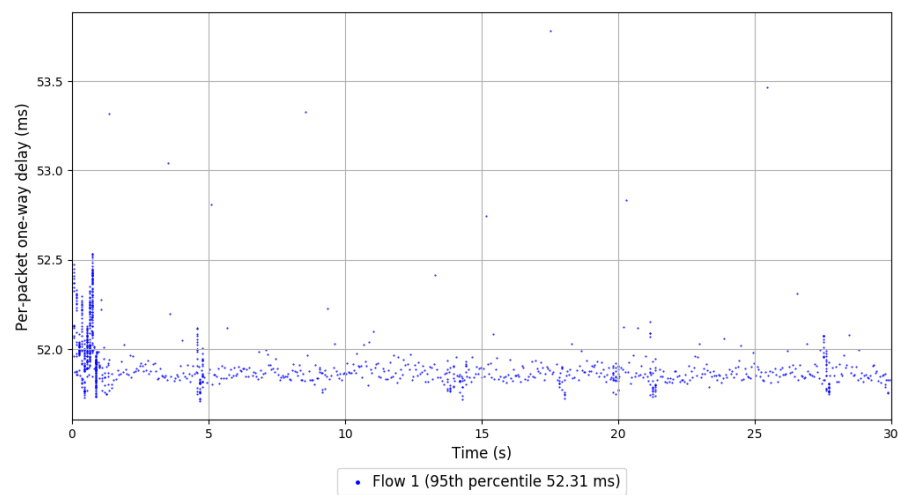
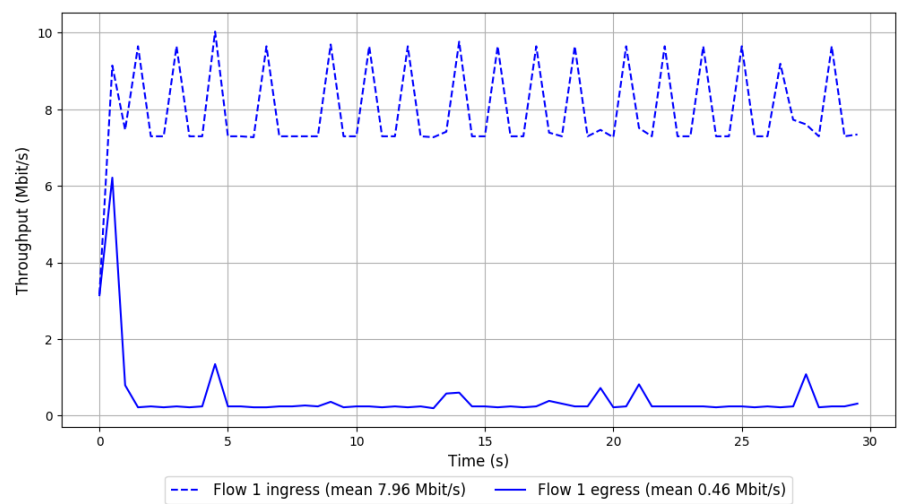
-- Flow 1:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 52.310 ms

Loss rate: 94.22%

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 02:04:07 +0000

End at: Sun, 06 Aug 2017 02:04:37 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:40:13 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.64 Mbit/s

95th percentile per-packet one-way delay: 52.264 ms

Loss rate: 0.45%

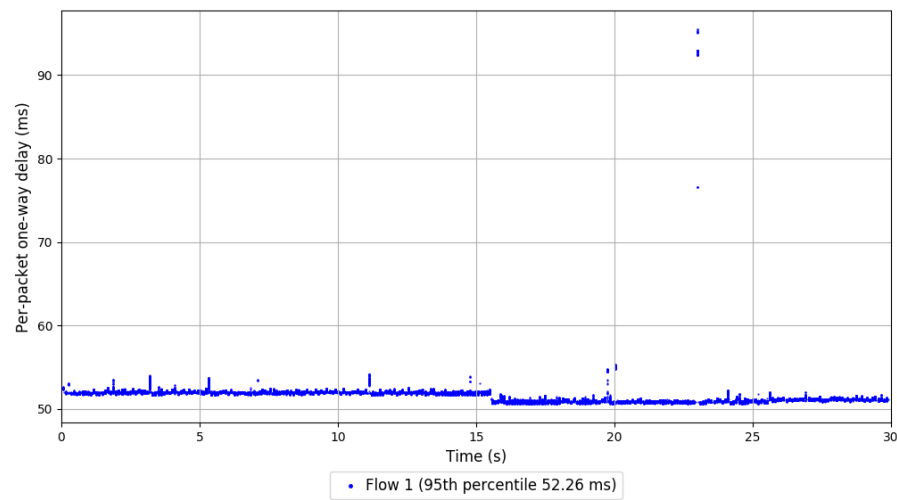
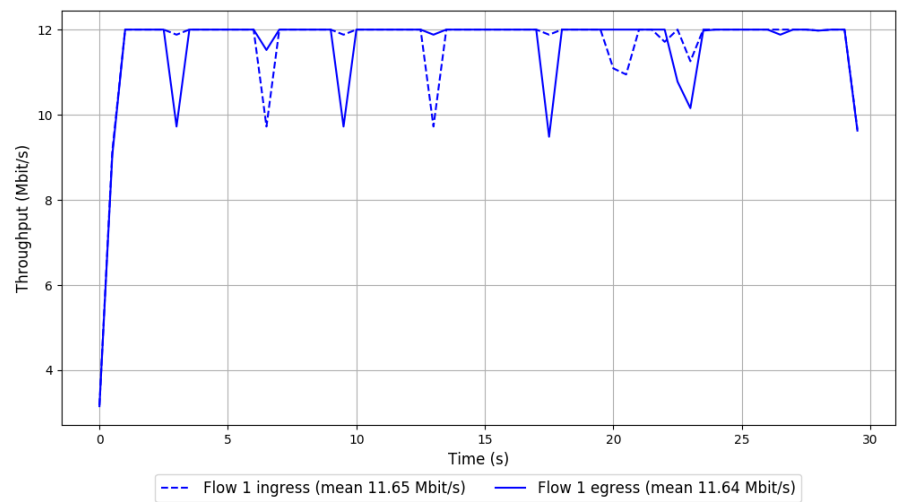
-- Flow 1:

Average throughput: 11.64 Mbit/s

95th percentile per-packet one-way delay: 52.264 ms

Loss rate: 0.45%

Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 00:26:33 +0000

End at: Sun, 06 Aug 2017 00:27:03 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:40:13 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.65 Mbit/s

95th percentile per-packet one-way delay: 54.550 ms

Loss rate: 0.62%

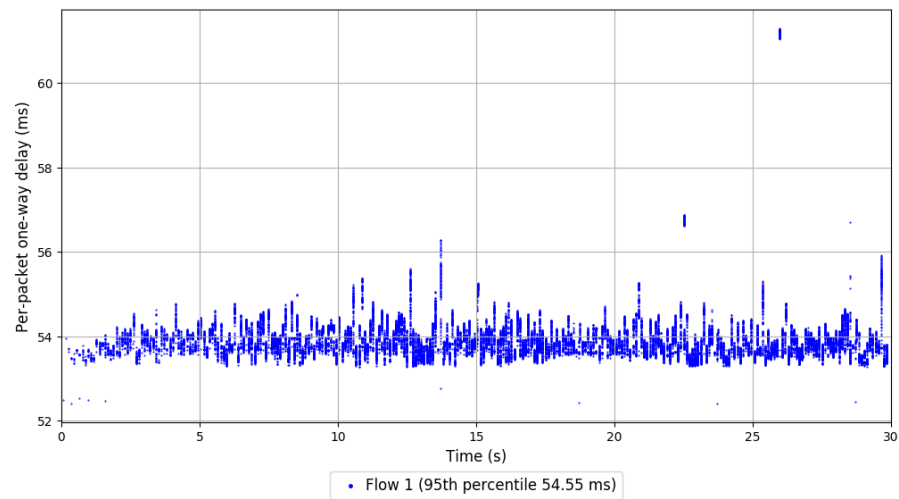
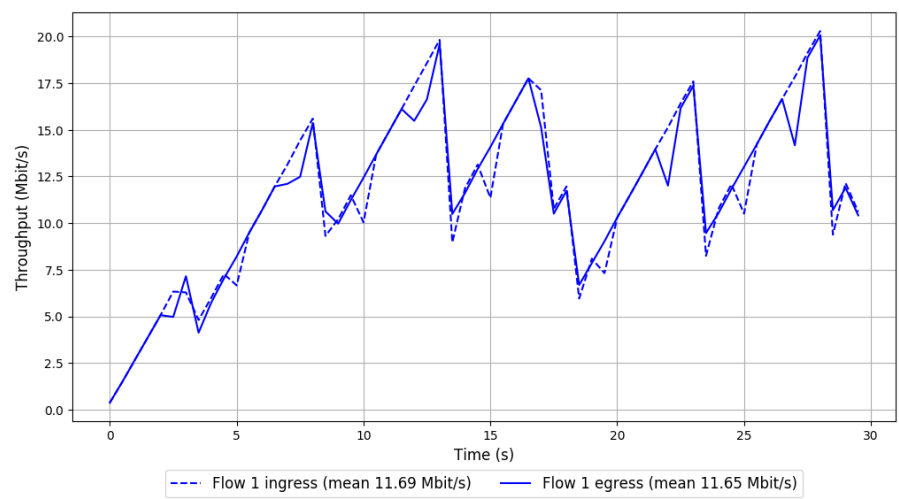
-- Flow 1:

Average throughput: 11.65 Mbit/s

95th percentile per-packet one-way delay: 54.550 ms

Loss rate: 0.62%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 00:37:04 +0000

End at: Sun, 06 Aug 2017 00:37:34 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:40:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.72 Mbit/s

95th percentile per-packet one-way delay: 54.013 ms

Loss rate: 0.62%

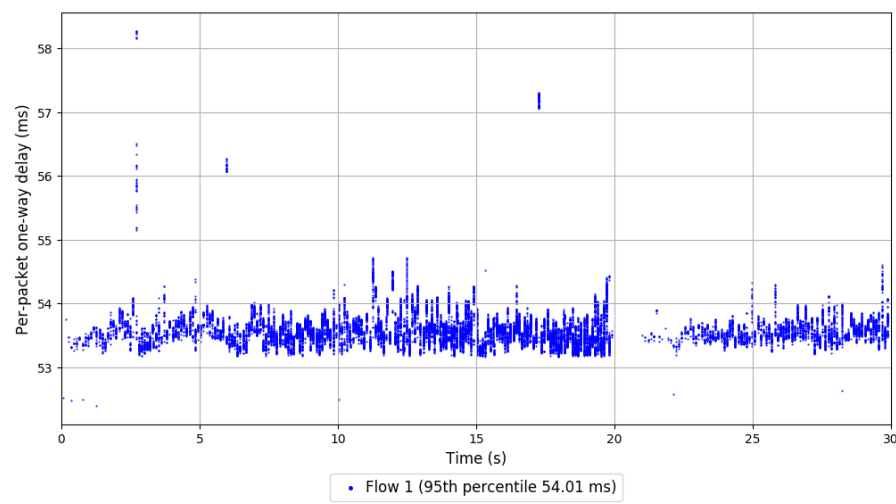
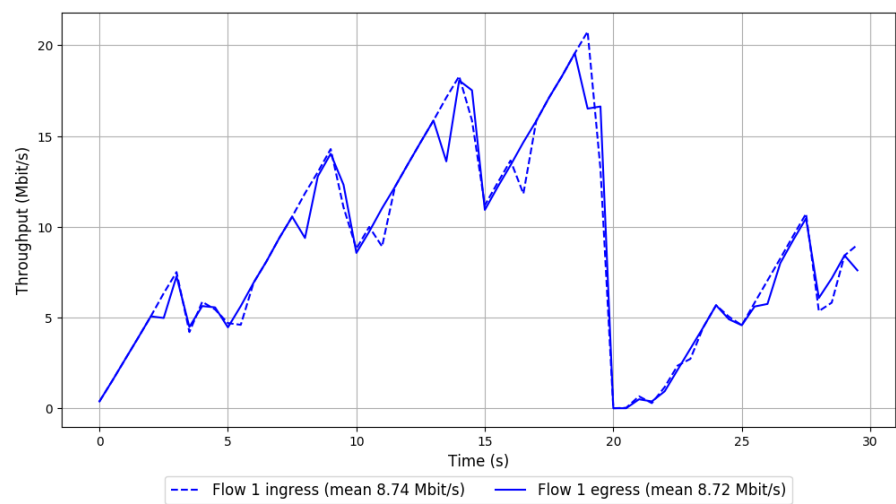
-- Flow 1:

Average throughput: 8.72 Mbit/s

95th percentile per-packet one-way delay: 54.013 ms

Loss rate: 0.62%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 00:47:33 +0000

End at: Sun, 06 Aug 2017 00:48:03 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:40:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.69 Mbit/s

95th percentile per-packet one-way delay: 53.584 ms

Loss rate: 4.80%

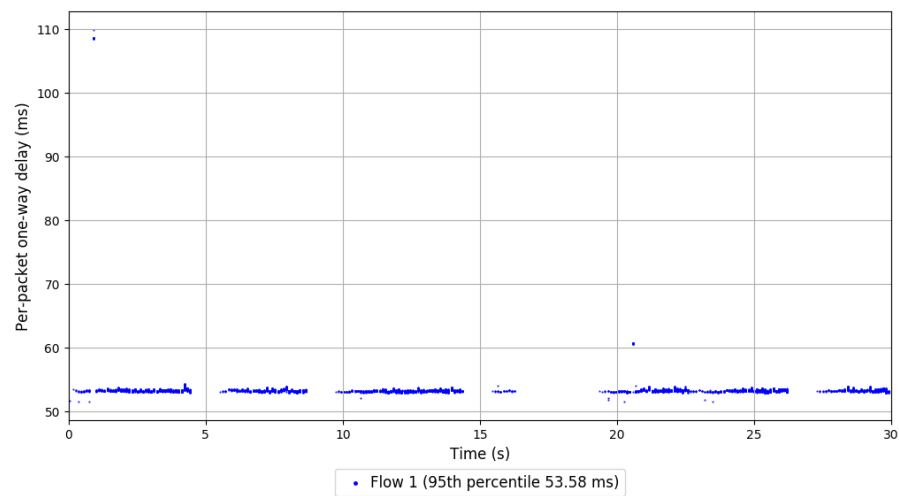
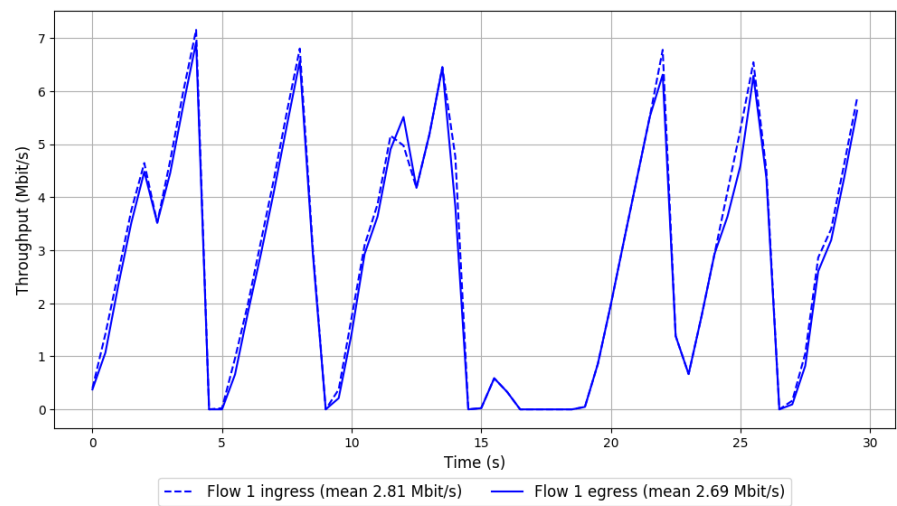
-- Flow 1:

Average throughput: 2.69 Mbit/s

95th percentile per-packet one-way delay: 53.584 ms

Loss rate: 4.80%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 00:57:50 +0000

End at: Sun, 06 Aug 2017 00:58:20 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:40:18 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.03 Mbit/s

95th percentile per-packet one-way delay: 53.902 ms

Loss rate: 0.59%

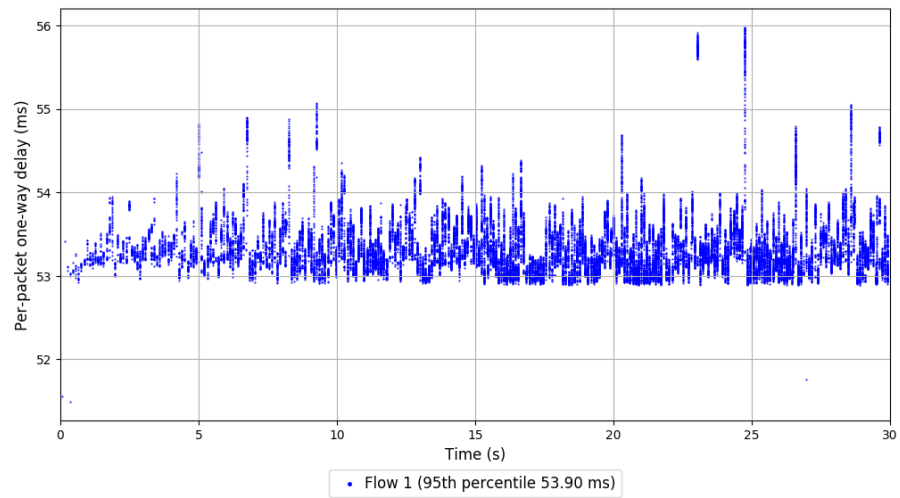
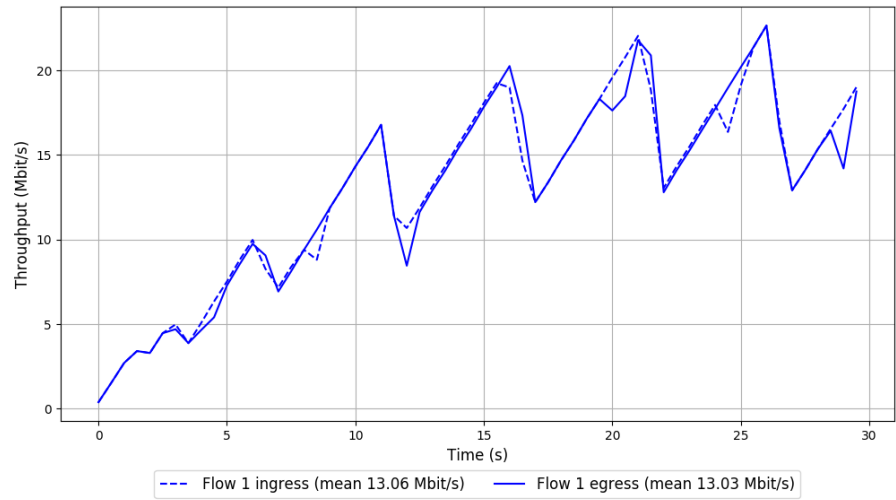
-- Flow 1:

Average throughput: 13.03 Mbit/s

95th percentile per-packet one-way delay: 53.902 ms

Loss rate: 0.59%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 01:07:58 +0000

End at: Sun, 06 Aug 2017 01:08:28 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:40:18 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.76 Mbit/s

95th percentile per-packet one-way delay: 53.360 ms

Loss rate: 6.00%

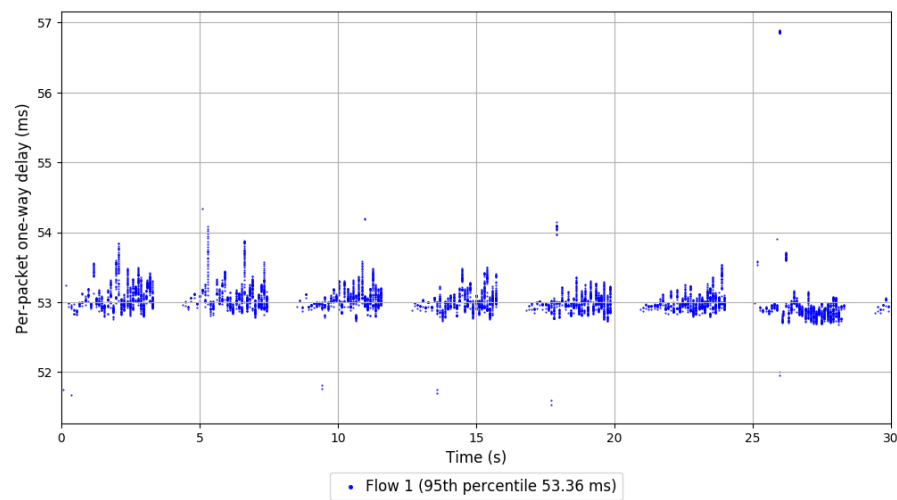
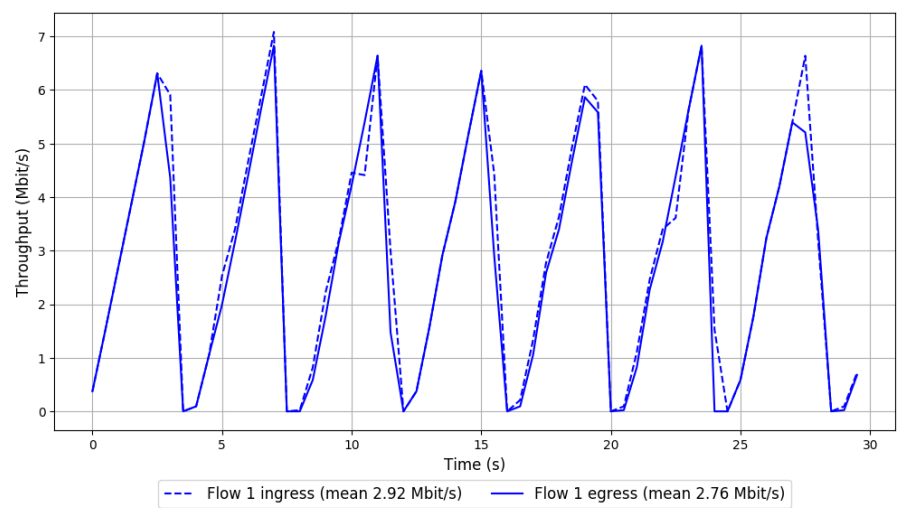
-- Flow 1:

Average throughput: 2.76 Mbit/s

95th percentile per-packet one-way delay: 53.360 ms

Loss rate: 6.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 01:18:29 +0000

End at: Sun, 06 Aug 2017 01:18:59 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:40:21 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.81 Mbit/s

95th percentile per-packet one-way delay: 53.943 ms

Loss rate: 0.57%

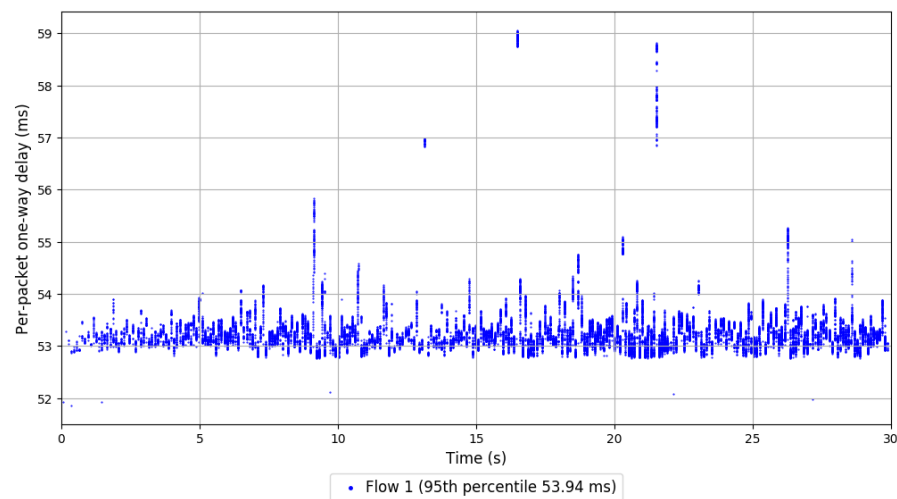
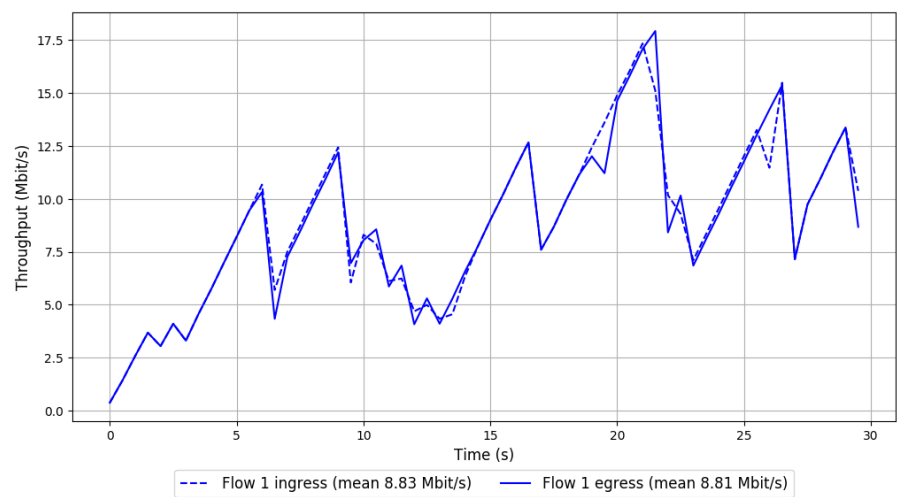
-- Flow 1:

Average throughput: 8.81 Mbit/s

95th percentile per-packet one-way delay: 53.943 ms

Loss rate: 0.57%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 01:28:57 +0000

End at: Sun, 06 Aug 2017 01:29:27 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:40:22 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.20 Mbit/s

95th percentile per-packet one-way delay: 53.753 ms

Loss rate: 0.60%

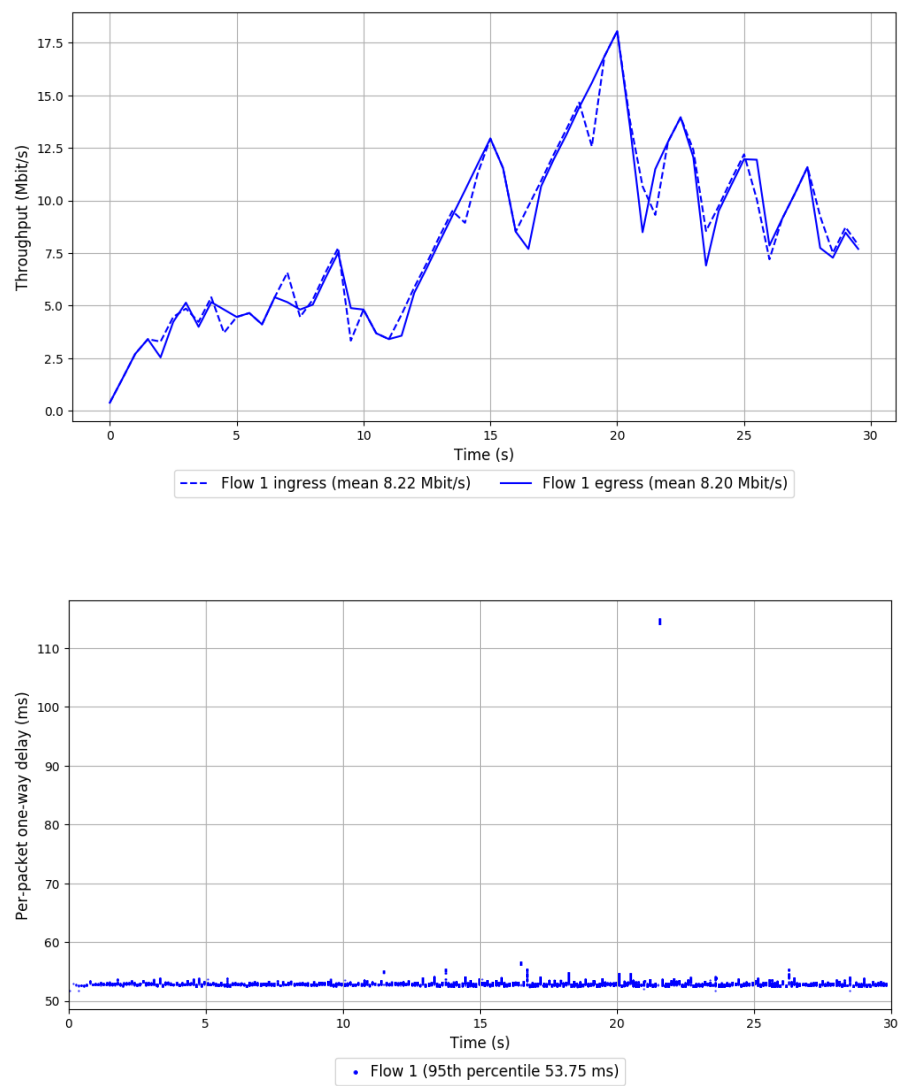
-- Flow 1:

Average throughput: 8.20 Mbit/s

95th percentile per-packet one-way delay: 53.753 ms

Loss rate: 0.60%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 01:39:48 +0000

End at: Sun, 06 Aug 2017 01:40:18 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:40:24 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.99 Mbit/s

95th percentile per-packet one-way delay: 53.301 ms

Loss rate: 1.92%

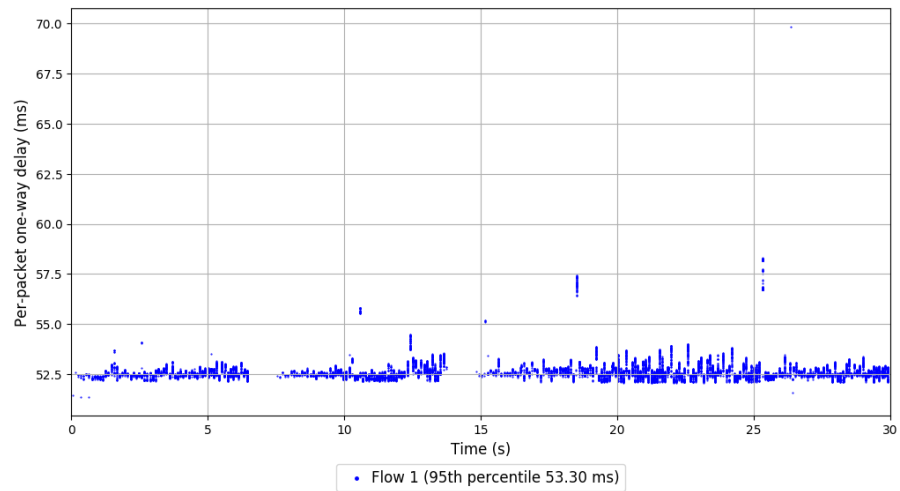
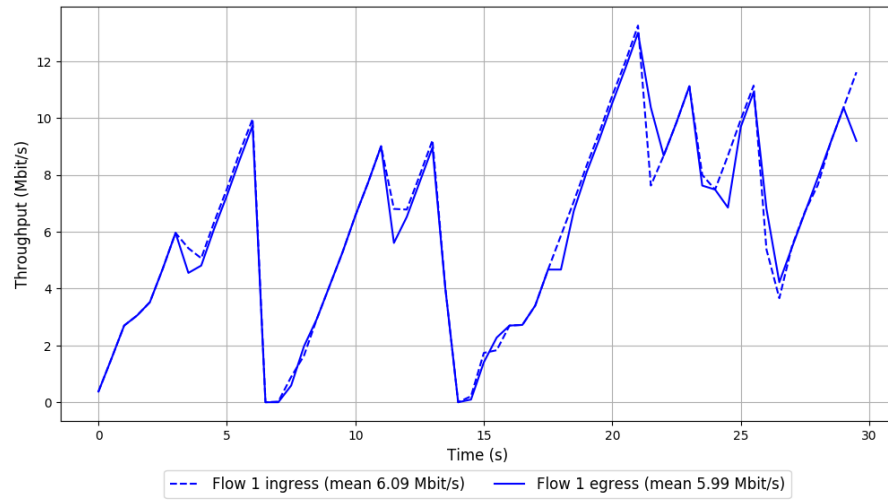
-- Flow 1:

Average throughput: 5.99 Mbit/s

95th percentile per-packet one-way delay: 53.301 ms

Loss rate: 1.92%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 01:50:07 +0000

End at: Sun, 06 Aug 2017 01:50:38 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:40:24 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.15 Mbit/s

95th percentile per-packet one-way delay: 52.377 ms

Loss rate: 3.33%

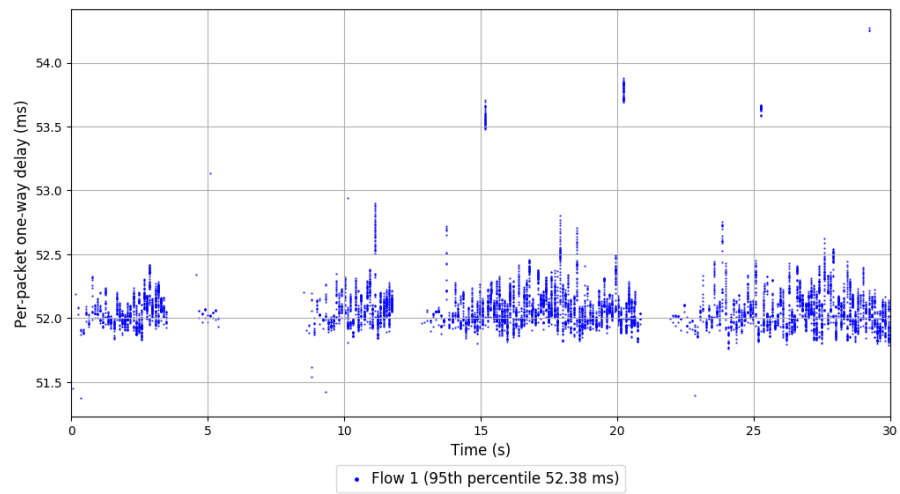
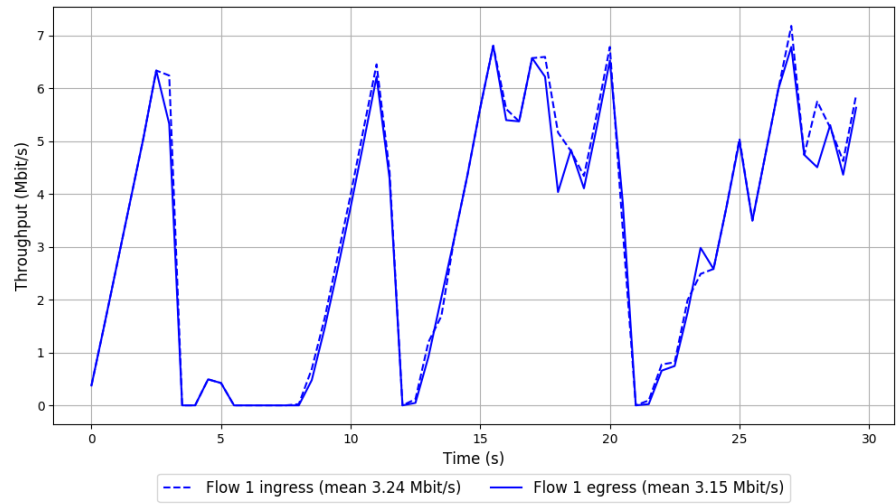
-- Flow 1:

Average throughput: 3.15 Mbit/s

95th percentile per-packet one-way delay: 52.377 ms

Loss rate: 3.33%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 02:00:41 +0000

End at: Sun, 06 Aug 2017 02:01:11 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:40:26 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.81 Mbit/s

95th percentile per-packet one-way delay: 52.519 ms

Loss rate: 1.20%

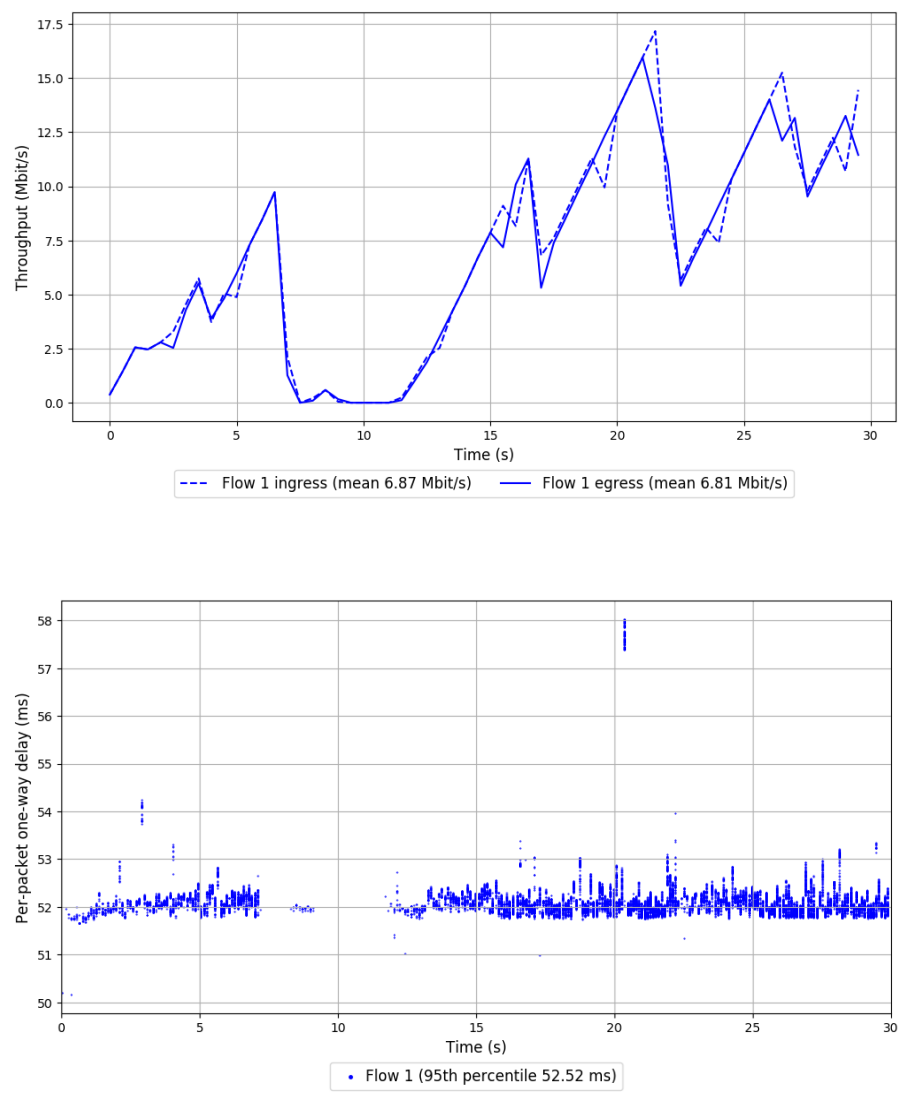
-- Flow 1:

Average throughput: 6.81 Mbit/s

95th percentile per-packet one-way delay: 52.519 ms

Loss rate: 1.20%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: Sun, 06 Aug 2017 00:23:06 +0000

End at: Sun, 06 Aug 2017 00:23:36 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:42:00 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 485.65 Mbit/s

95th percentile per-packet one-way delay: 136.453 ms

Loss rate: 1.23%

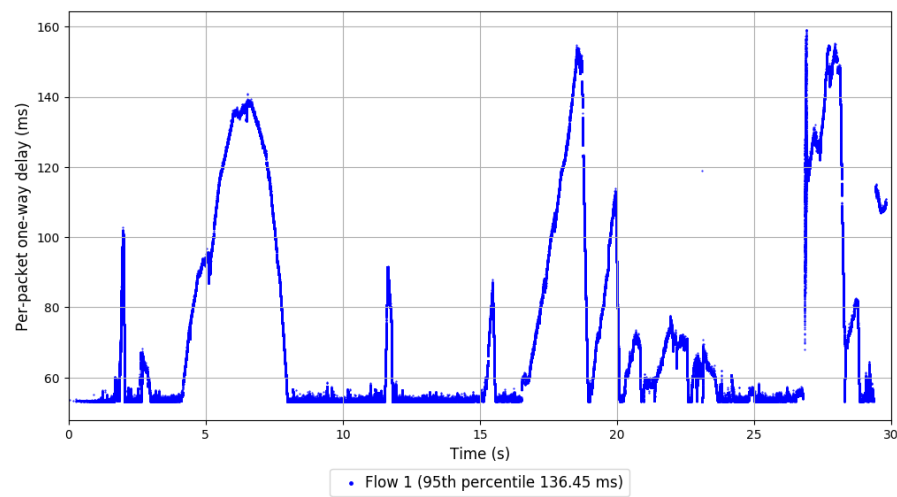
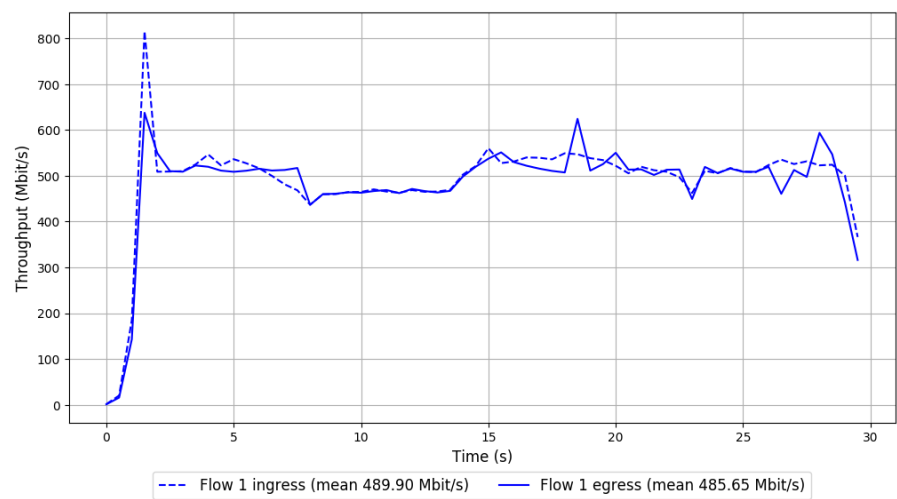
-- Flow 1:

Average throughput: 485.65 Mbit/s

95th percentile per-packet one-way delay: 136.453 ms

Loss rate: 1.23%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: Sun, 06 Aug 2017 00:33:28 +0000

End at: Sun, 06 Aug 2017 00:33:58 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:42:02 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 511.01 Mbit/s

95th percentile per-packet one-way delay: 107.014 ms

Loss rate: 1.01%

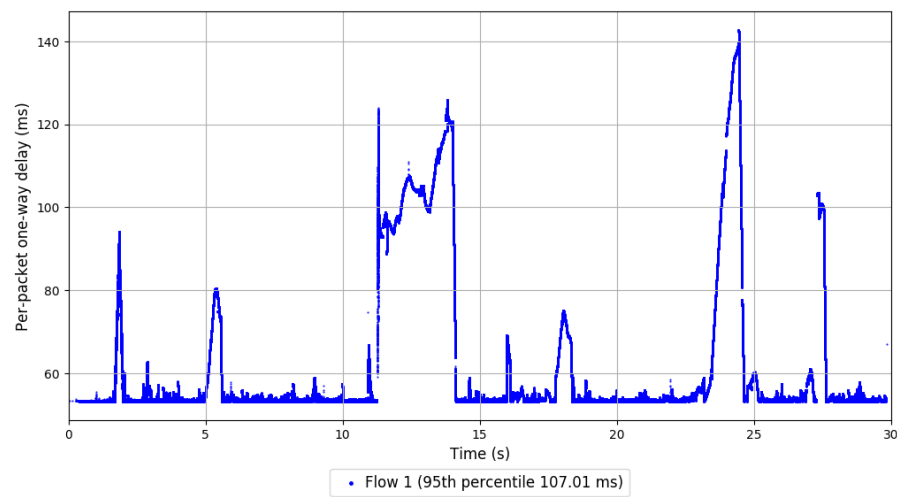
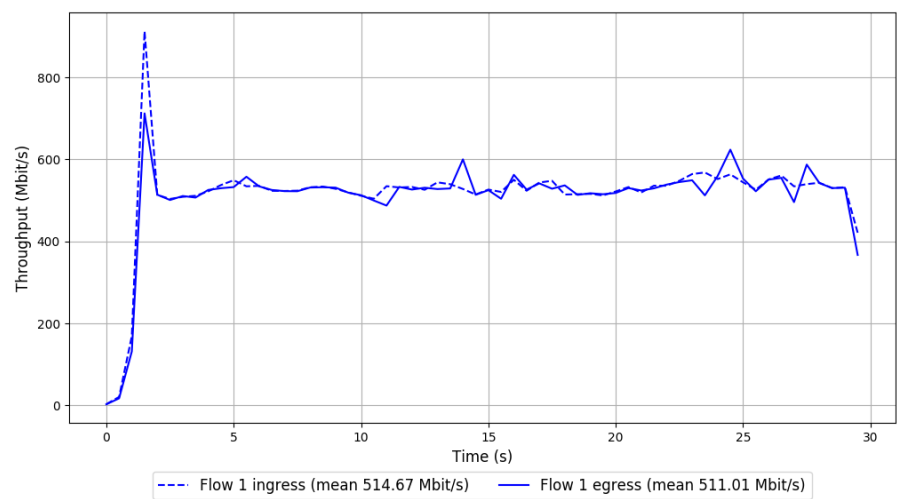
-- Flow 1:

Average throughput: 511.01 Mbit/s

95th percentile per-packet one-way delay: 107.014 ms

Loss rate: 1.01%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: Sun, 06 Aug 2017 00:43:49 +0000

End at: Sun, 06 Aug 2017 00:44:19 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:43:37 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 496.78 Mbit/s

95th percentile per-packet one-way delay: 90.023 ms

Loss rate: 0.72%

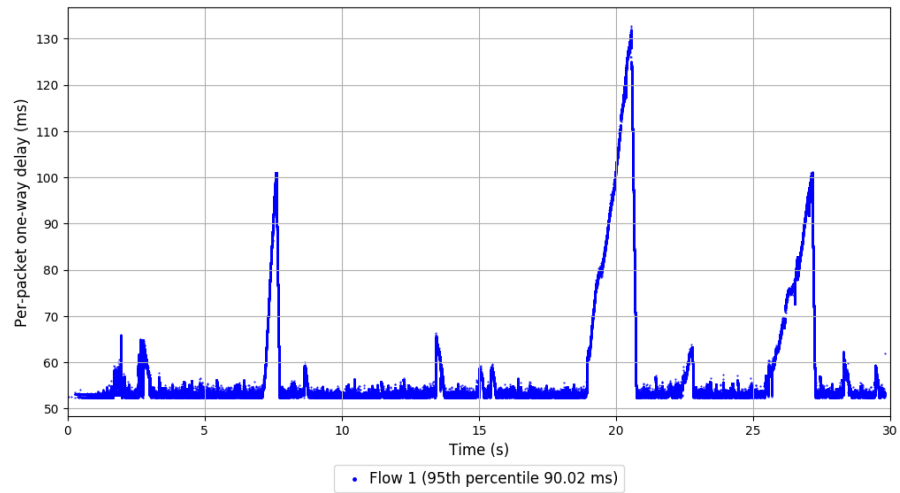
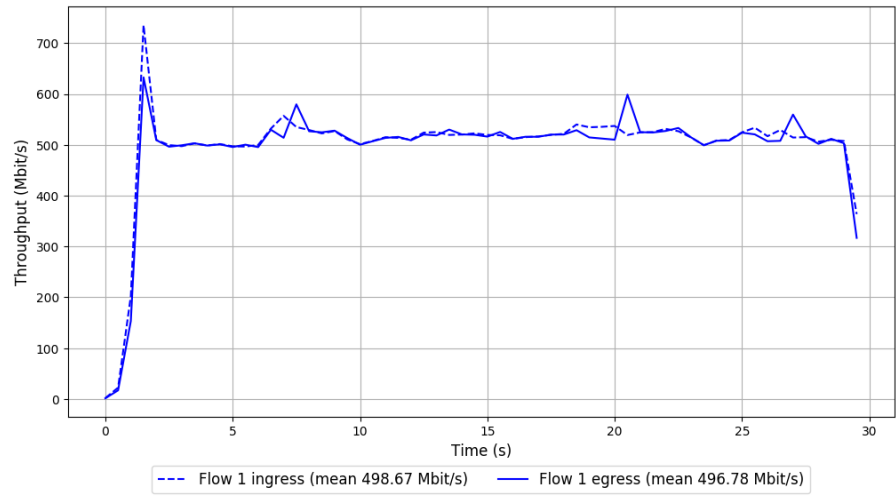
-- Flow 1:

Average throughput: 496.78 Mbit/s

95th percentile per-packet one-way delay: 90.023 ms

Loss rate: 0.72%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: Sun, 06 Aug 2017 00:54:04 +0000

End at: Sun, 06 Aug 2017 00:54:34 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:43:39 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 492.21 Mbit/s

95th percentile per-packet one-way delay: 91.202 ms

Loss rate: 0.98%

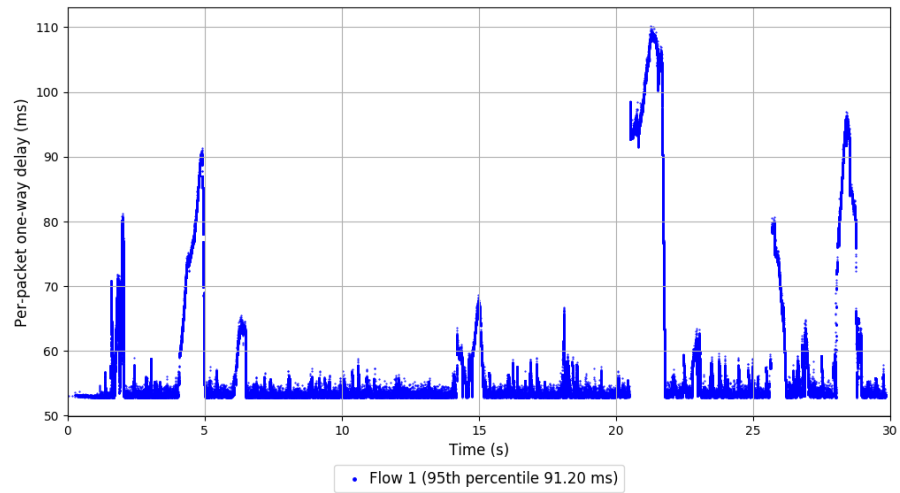
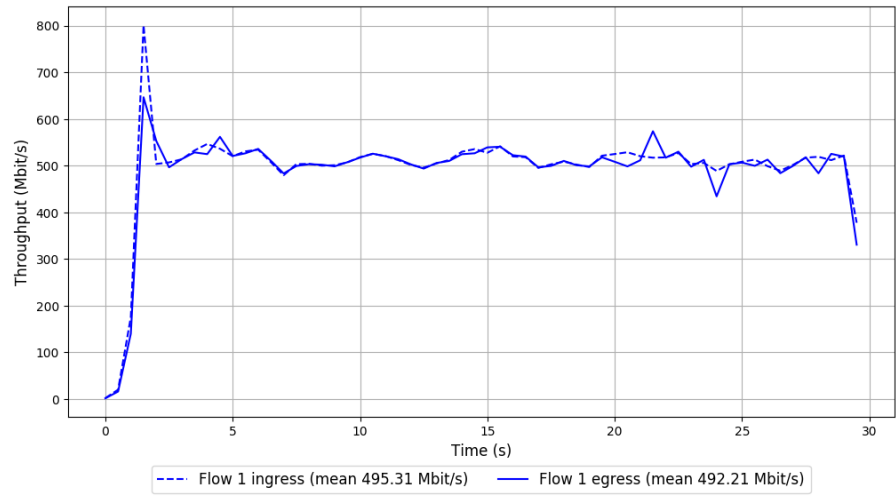
-- Flow 1:

Average throughput: 492.21 Mbit/s

95th percentile per-packet one-way delay: 91.202 ms

Loss rate: 0.98%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: Sun, 06 Aug 2017 01:04:31 +0000

End at: Sun, 06 Aug 2017 01:05:01 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:45:28 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 526.47 Mbit/s

95th percentile per-packet one-way delay: 126.060 ms

Loss rate: 1.22%

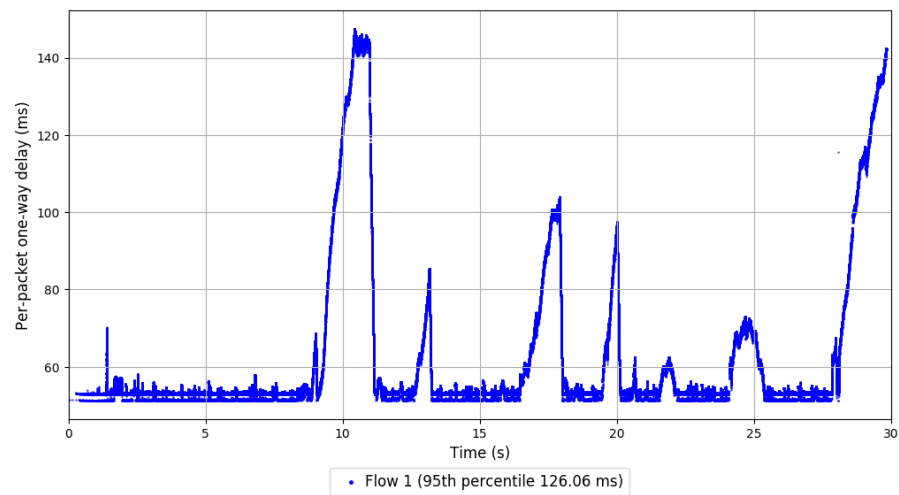
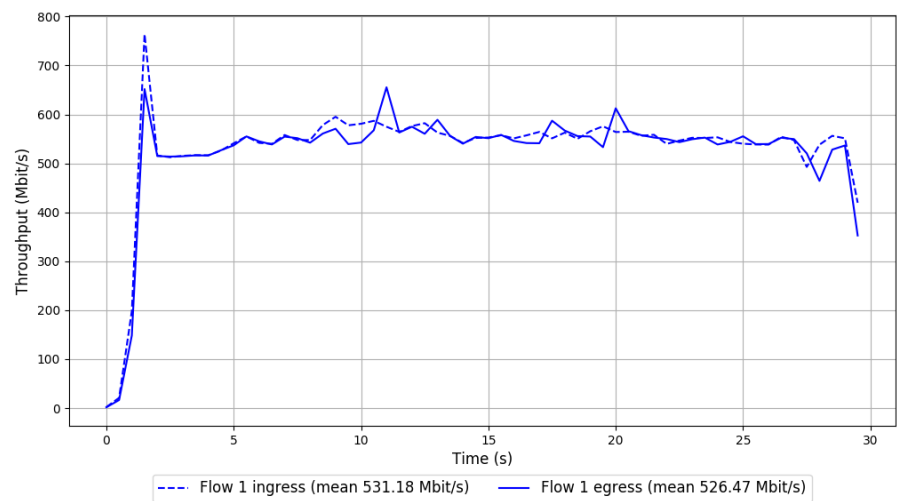
-- Flow 1:

Average throughput: 526.47 Mbit/s

95th percentile per-packet one-way delay: 126.060 ms

Loss rate: 1.22%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: Sun, 06 Aug 2017 01:14:44 +0000

End at: Sun, 06 Aug 2017 01:15:14 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:45:28 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 504.77 Mbit/s

95th percentile per-packet one-way delay: 154.662 ms

Loss rate: 6.71%

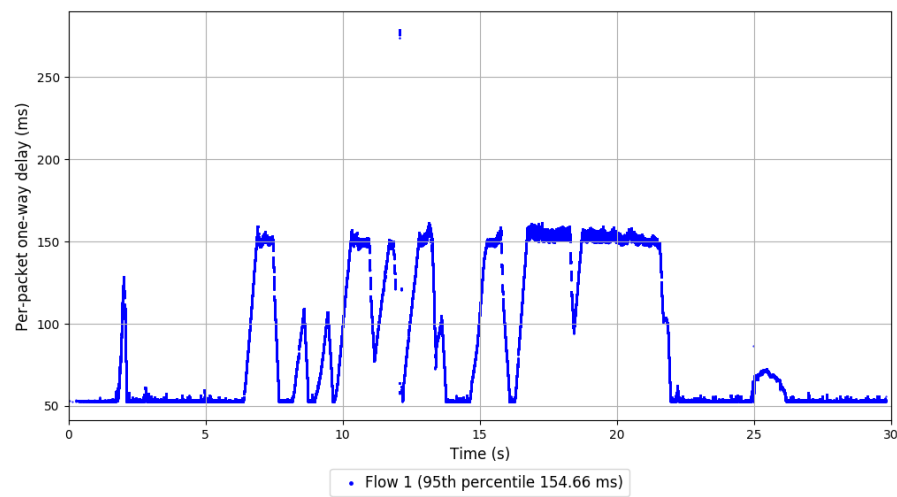
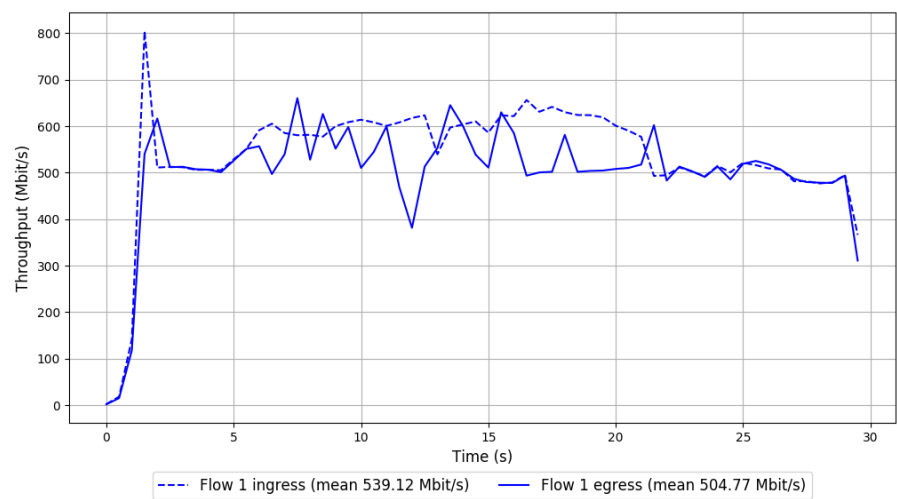
-- Flow 1:

Average throughput: 504.77 Mbit/s

95th percentile per-packet one-way delay: 154.662 ms

Loss rate: 6.71%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: Sun, 06 Aug 2017 01:25:13 +0000

End at: Sun, 06 Aug 2017 01:25:43 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:46:49 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 470.78 Mbit/s

95th percentile per-packet one-way delay: 69.634 ms

Loss rate: 3.29%

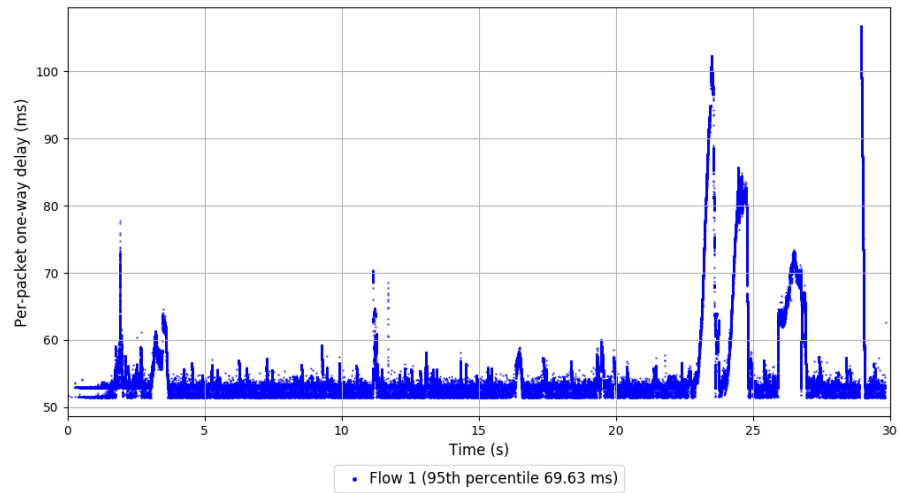
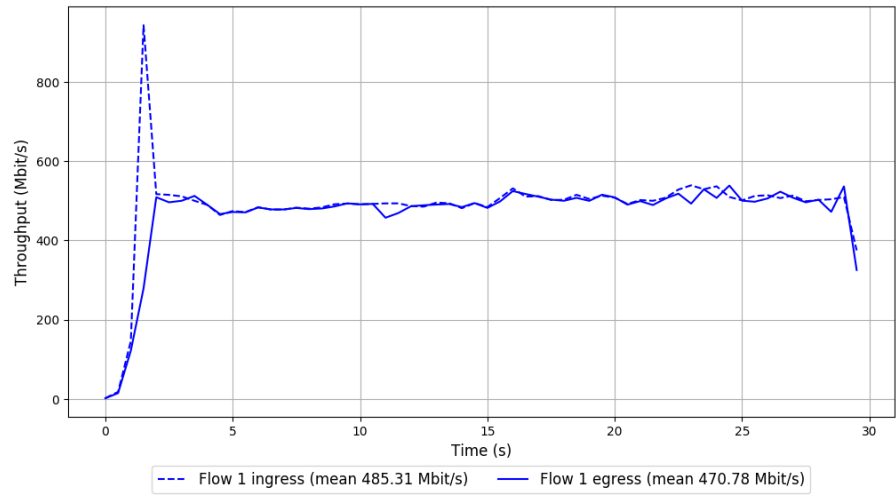
-- Flow 1:

Average throughput: 470.78 Mbit/s

95th percentile per-packet one-way delay: 69.634 ms

Loss rate: 3.29%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: Sun, 06 Aug 2017 01:36:03 +0000

End at: Sun, 06 Aug 2017 01:36:33 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:47:06 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 514.63 Mbit/s

95th percentile per-packet one-way delay: 93.257 ms

Loss rate: 1.12%

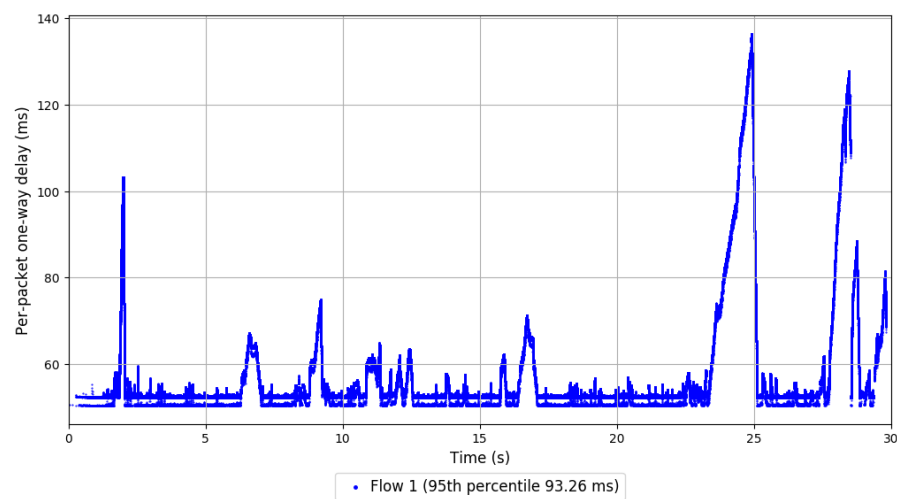
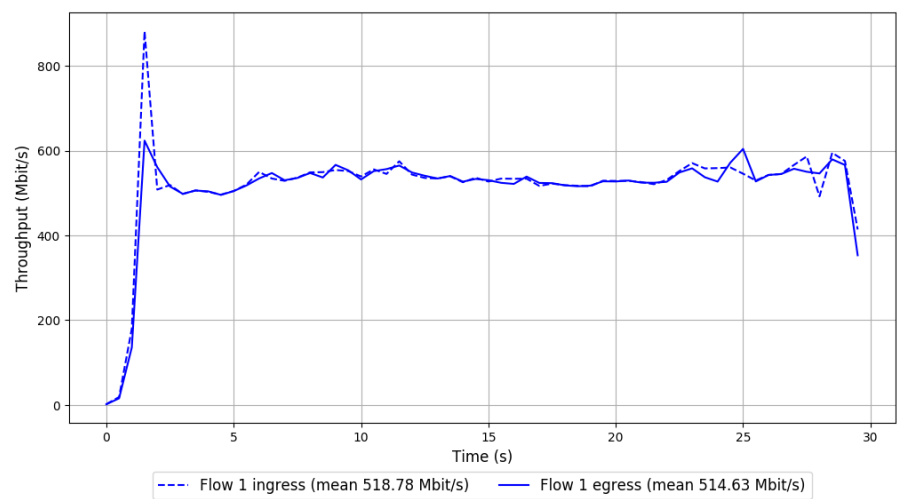
-- Flow 1:

Average throughput: 514.63 Mbit/s

95th percentile per-packet one-way delay: 93.257 ms

Loss rate: 1.12%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: Sun, 06 Aug 2017 01:46:32 +0000

End at: Sun, 06 Aug 2017 01:47:02 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:47:44 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 343.33 Mbit/s

95th percentile per-packet one-way delay: 52.119 ms

Loss rate: 4.52%

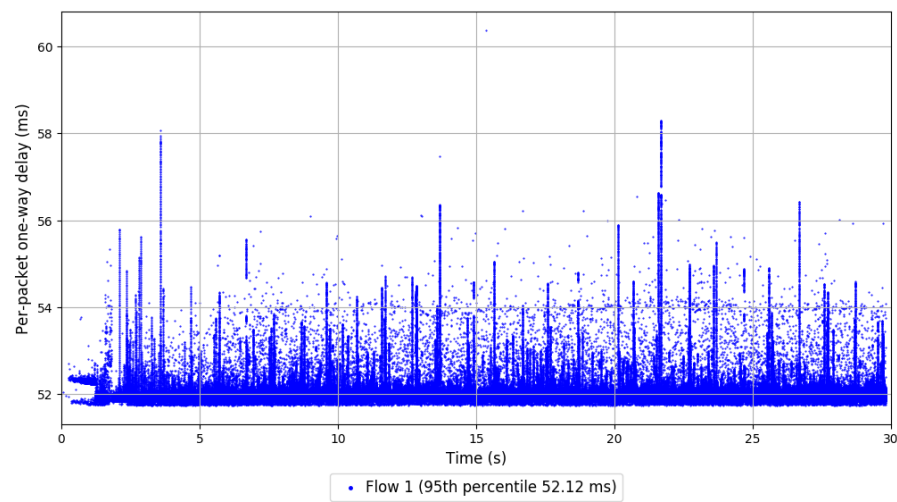
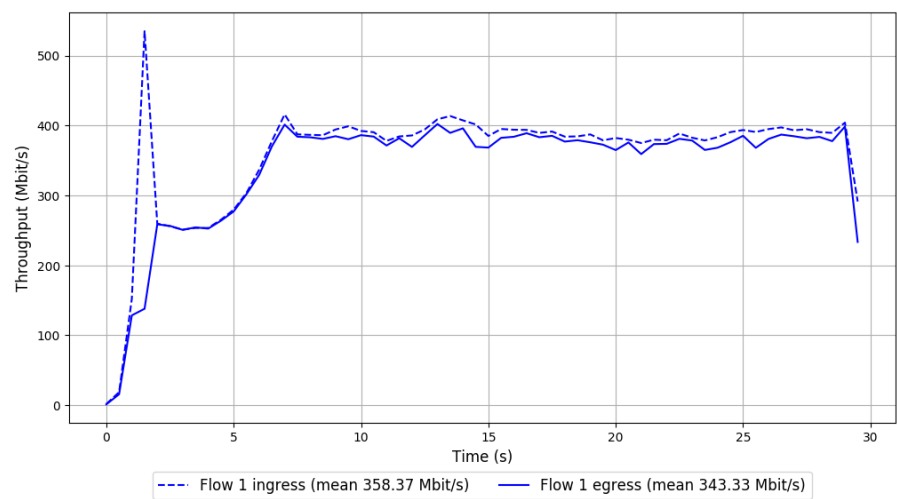
-- Flow 1:

Average throughput: 343.33 Mbit/s

95th percentile per-packet one-way delay: 52.119 ms

Loss rate: 4.52%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: Sun, 06 Aug 2017 01:56:55 +0000

End at: Sun, 06 Aug 2017 01:57:25 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:48:50 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 487.07 Mbit/s

95th percentile per-packet one-way delay: 151.527 ms

Loss rate: 1.65%

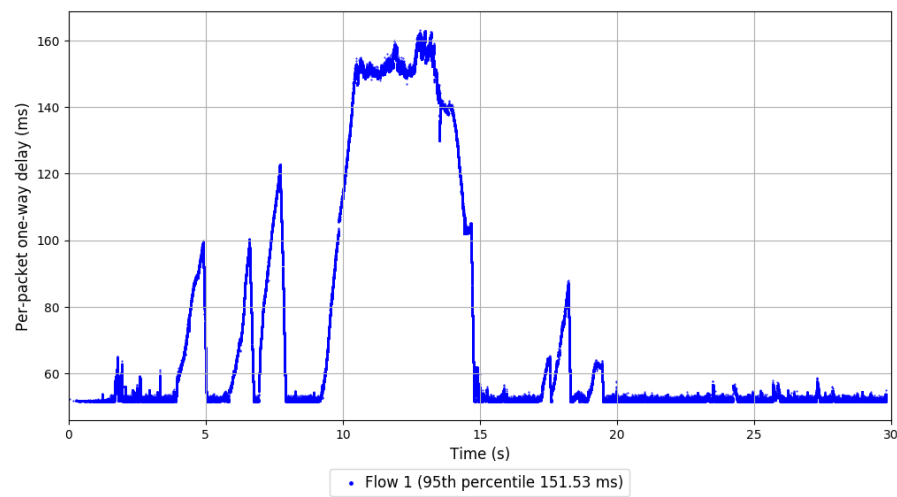
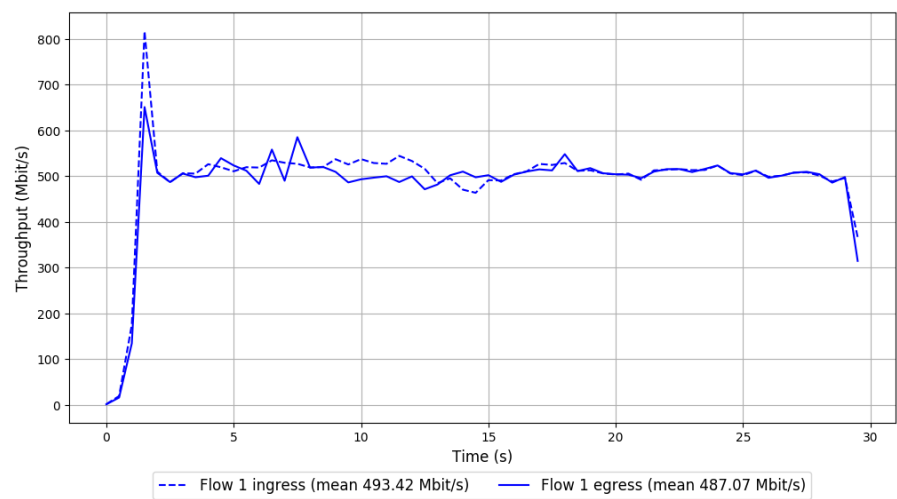
-- Flow 1:

Average throughput: 487.07 Mbit/s

95th percentile per-packet one-way delay: 151.527 ms

Loss rate: 1.65%

Run 10: Report of PCC — Data Link

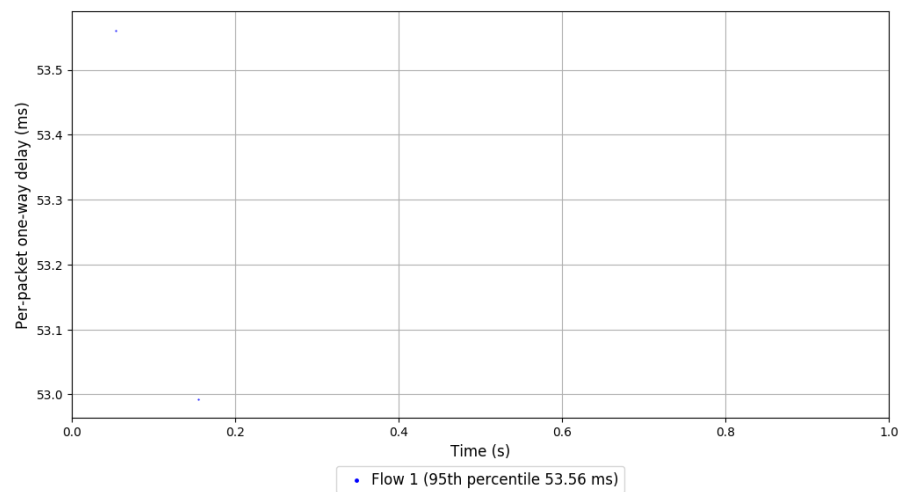
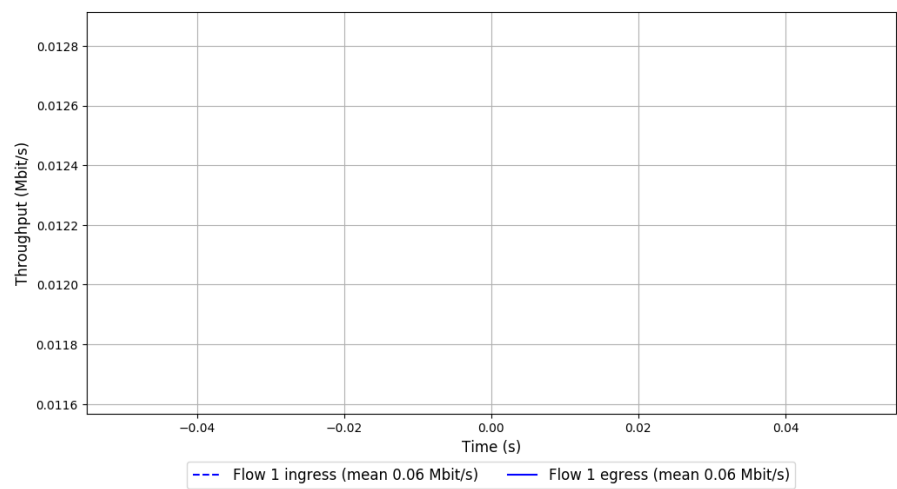


Run 1: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 00:24:01 +0000

End at: Sun, 06 Aug 2017 00:24:31 +0000

Run 1: Report of QUIC Cubic — Data Link

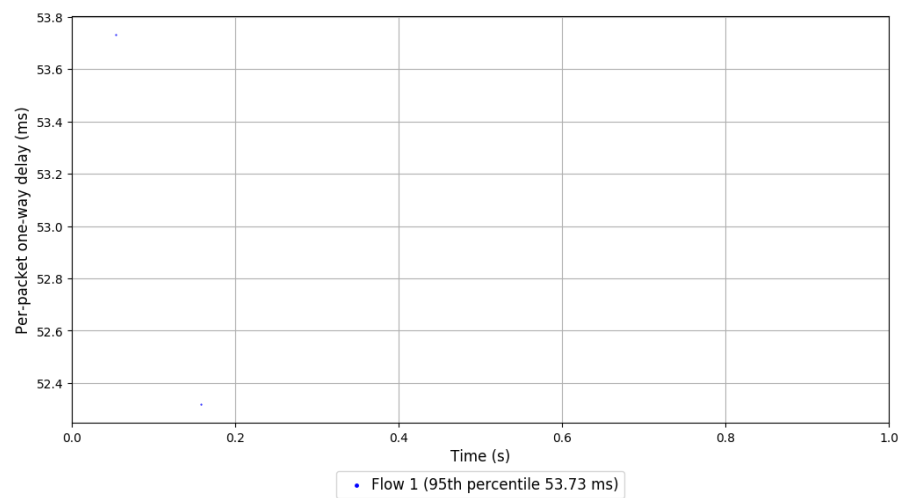
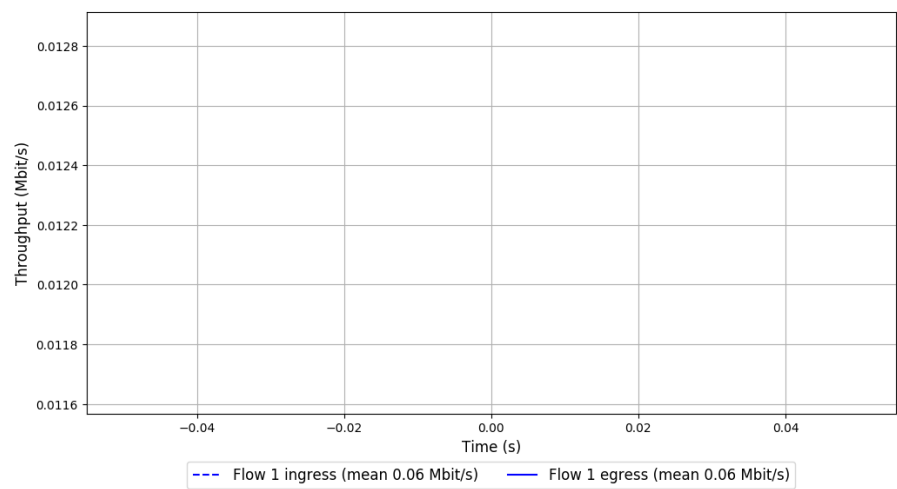


Run 2: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 00:34:24 +0000

End at: Sun, 06 Aug 2017 00:34:54 +0000

Run 2: Report of QUIC Cubic — Data Link

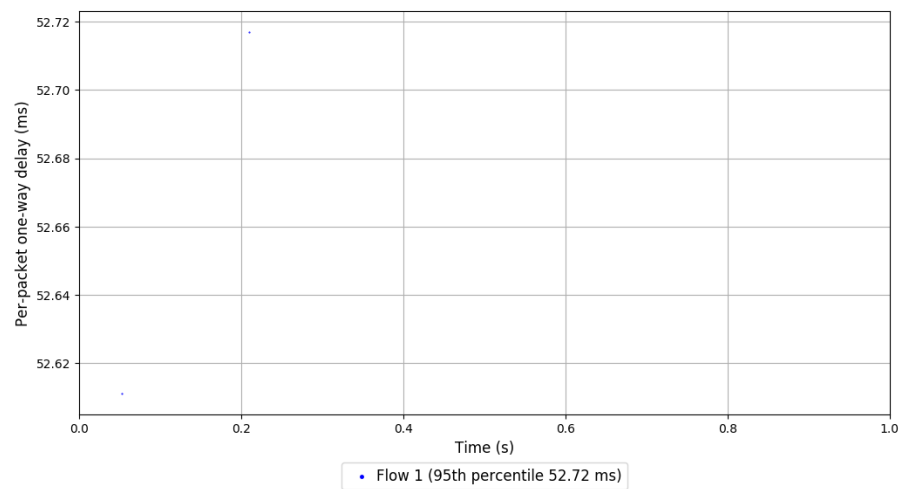
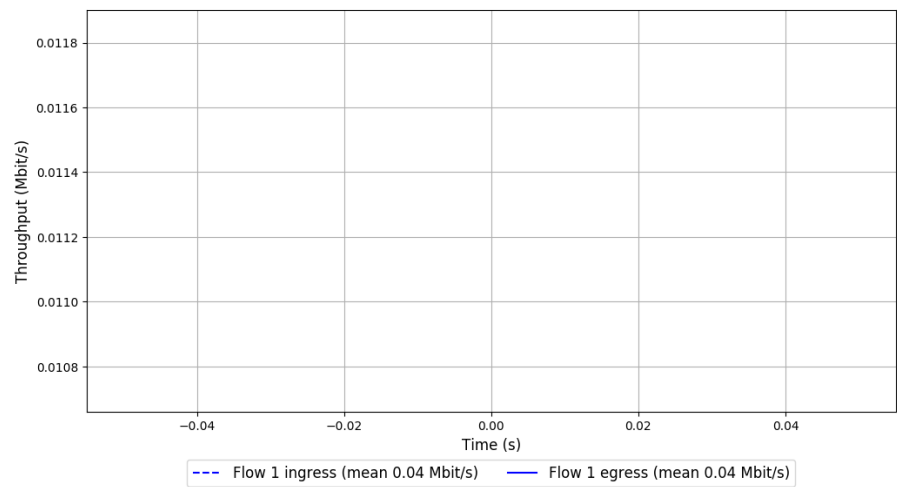


Run 3: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 00:44:44 +0000

End at: Sun, 06 Aug 2017 00:45:14 +0000

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 00:54:59 +0000

End at: Sun, 06 Aug 2017 00:55:29 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:48:51 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.06 Mbit/s

95th percentile per-packet one-way delay: 53.106 ms

Loss rate: 0.40%

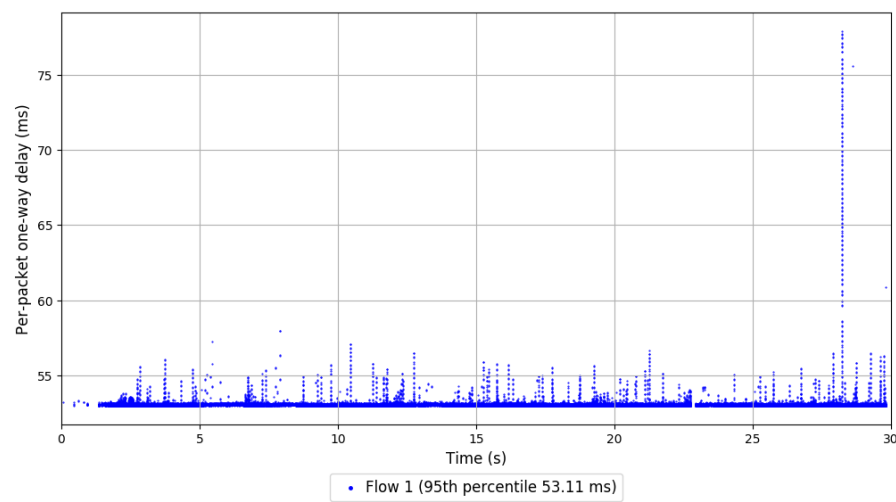
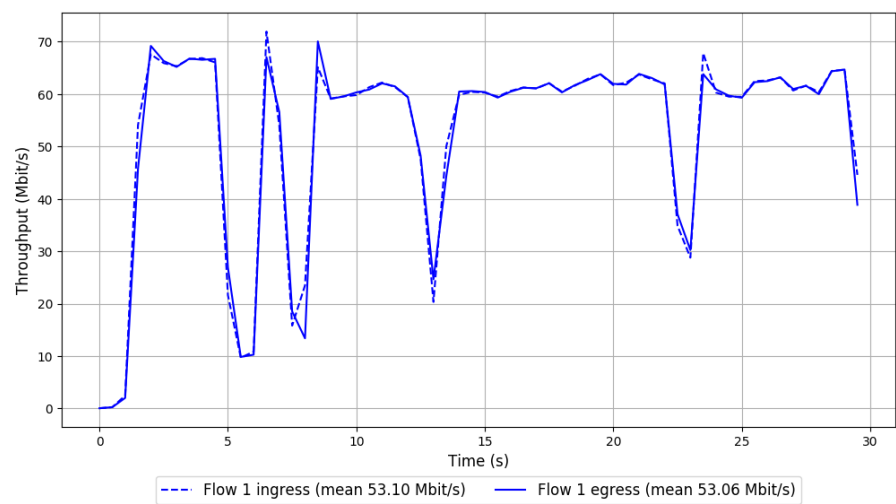
-- Flow 1:

Average throughput: 53.06 Mbit/s

95th percentile per-packet one-way delay: 53.106 ms

Loss rate: 0.40%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 01:05:27 +0000

End at: Sun, 06 Aug 2017 01:05:57 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:48:51 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.13 Mbit/s

95th percentile per-packet one-way delay: 52.386 ms

Loss rate: 0.40%

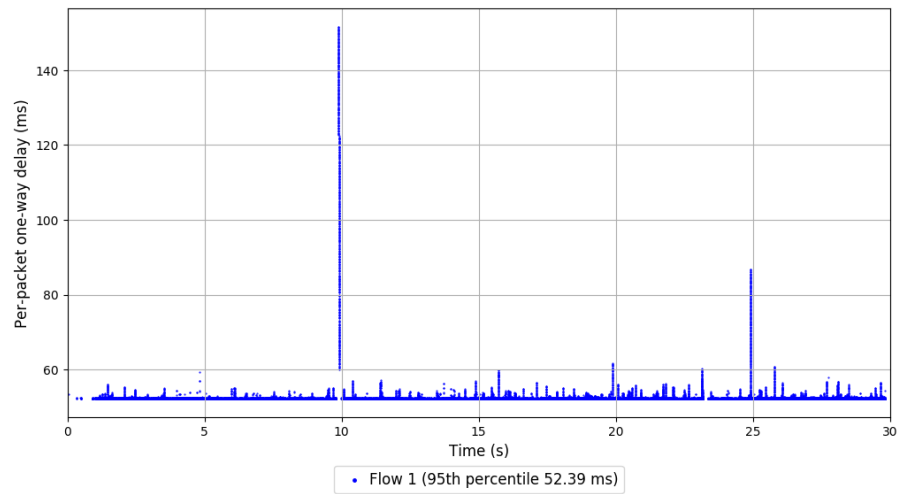
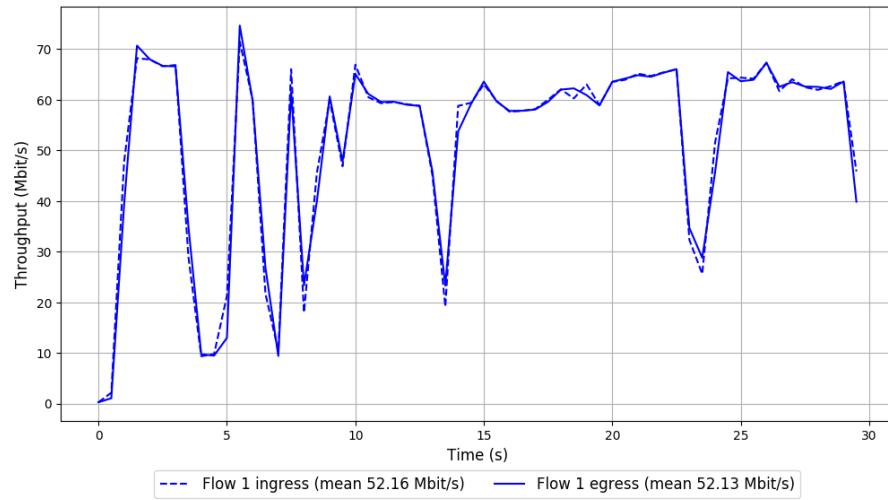
-- Flow 1:

Average throughput: 52.13 Mbit/s

95th percentile per-packet one-way delay: 52.386 ms

Loss rate: 0.40%

Run 5: Report of QUIC Cubic — Data Link

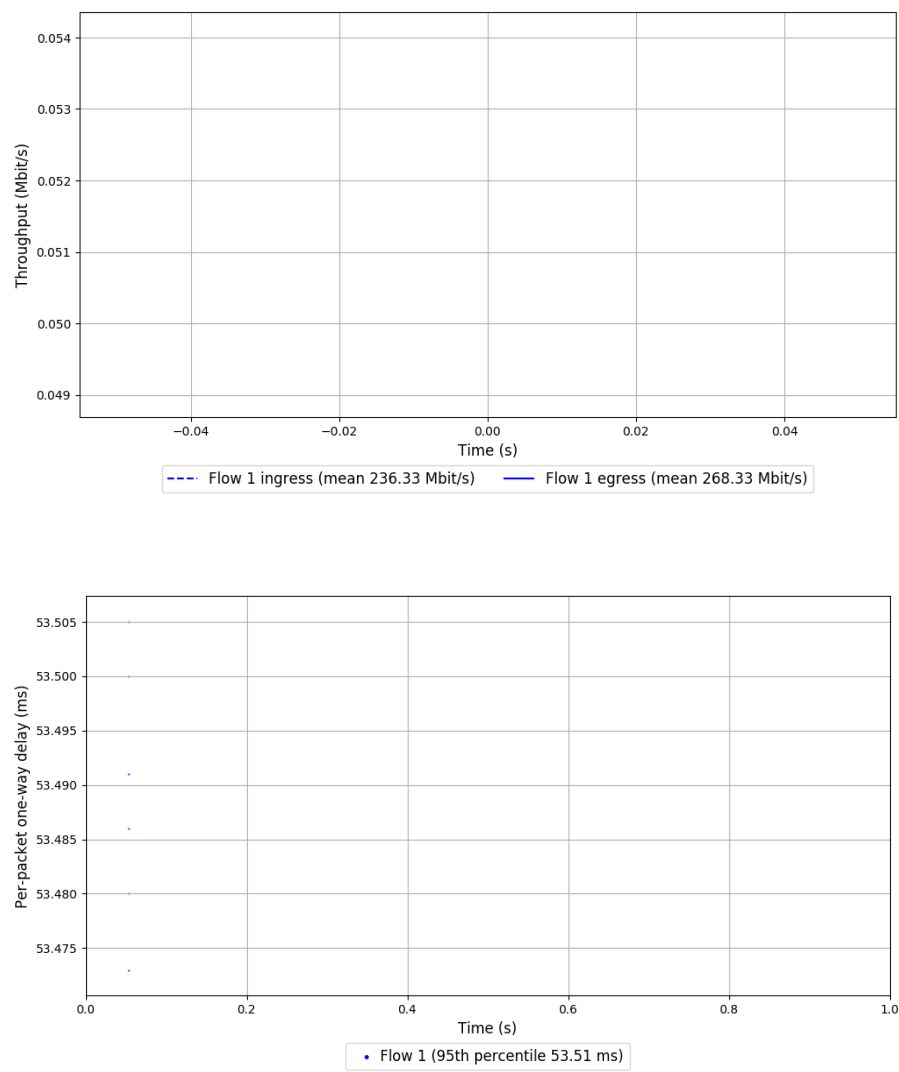


Run 6: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 01:15:40 +0000

End at: Sun, 06 Aug 2017 01:16:10 +0000

Run 6: Report of QUIC Cubic — Data Link

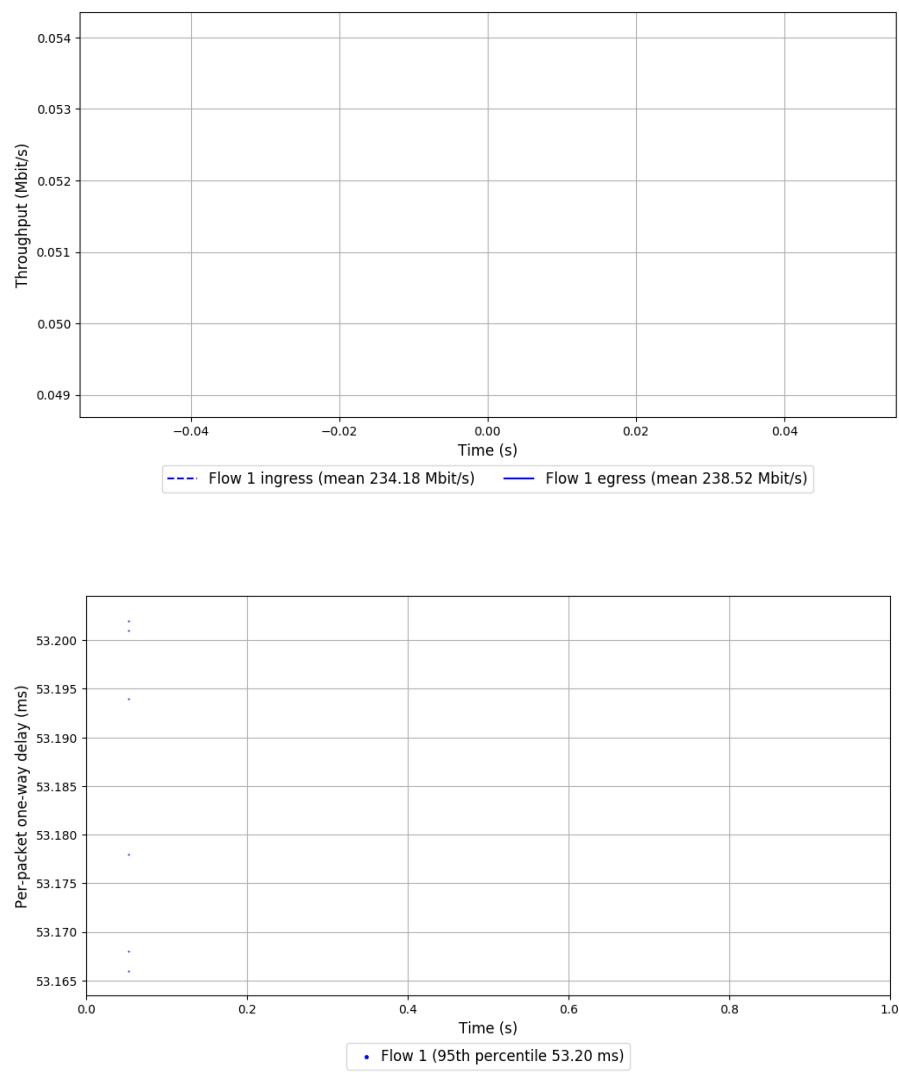


Run 7: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 01:26:07 +0000

End at: Sun, 06 Aug 2017 01:26:37 +0000

Run 7: Report of QUIC Cubic — Data Link

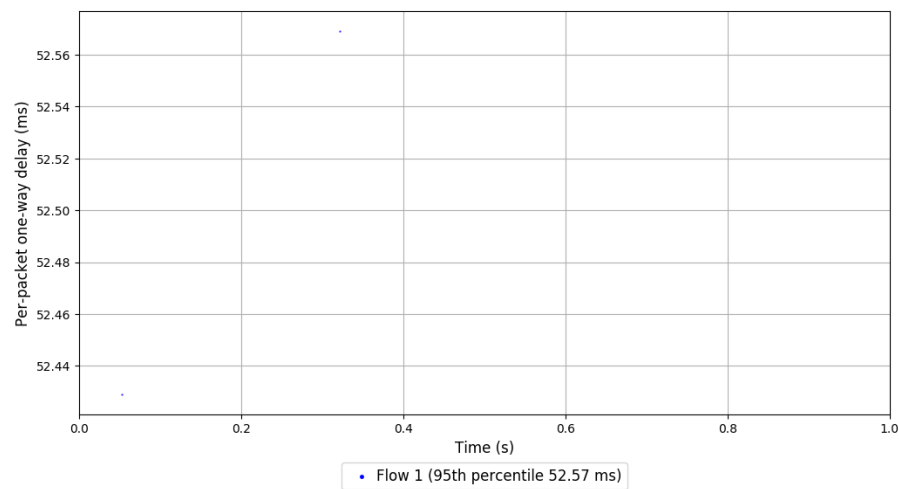
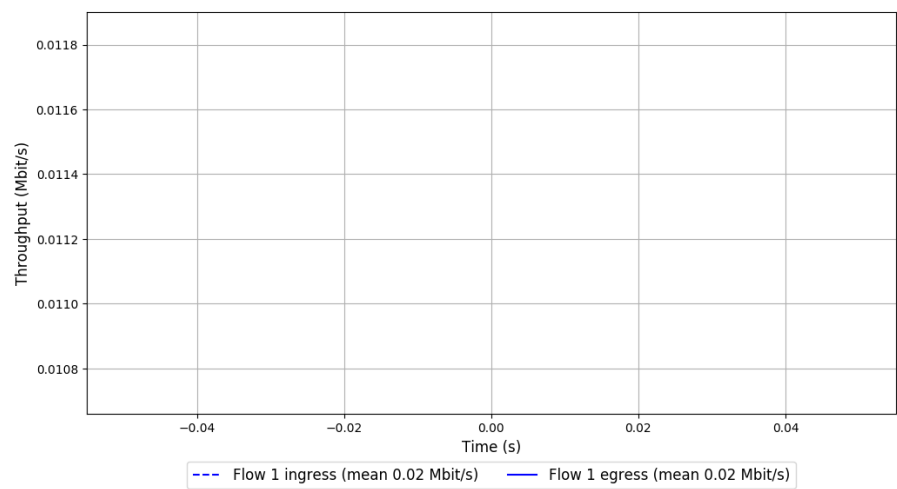


Run 8: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 01:36:59 +0000

End at: Sun, 06 Aug 2017 01:37:29 +0000

Run 8: Report of QUIC Cubic — Data Link

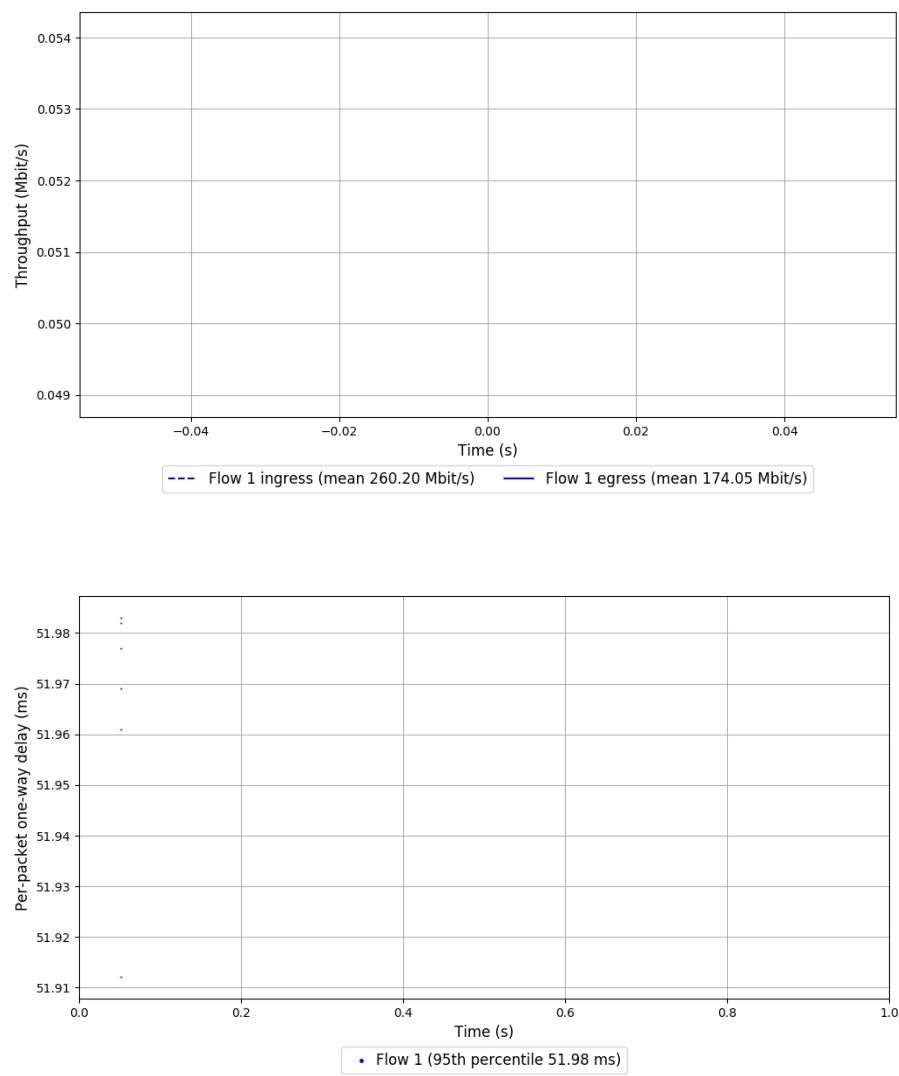


Run 9: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 01:47:22 +0000

End at: Sun, 06 Aug 2017 01:47:52 +0000

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 01:57:49 +0000

End at: Sun, 06 Aug 2017 01:58:19 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:48:51 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.12 Mbit/s

95th percentile per-packet one-way delay: 51.781 ms

Loss rate: 0.39%

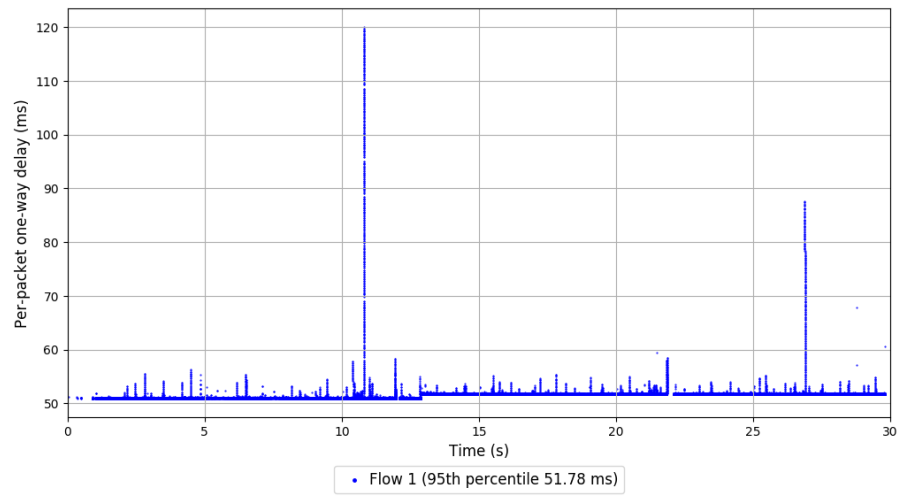
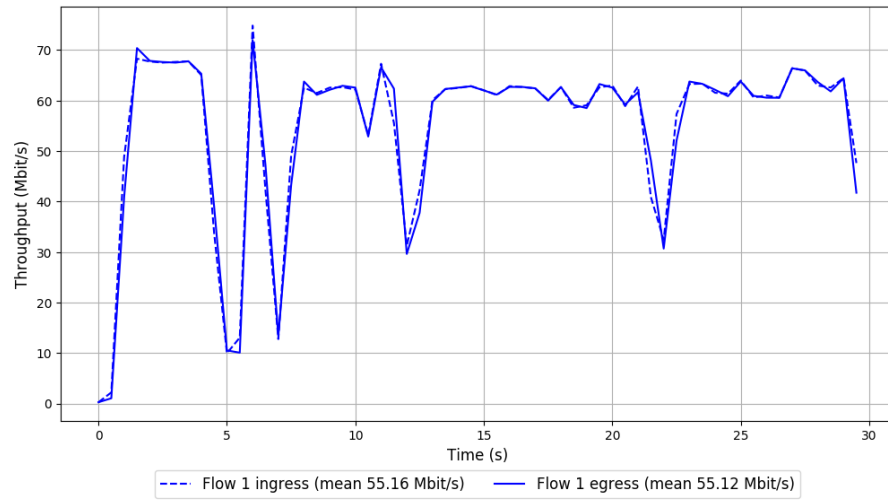
-- Flow 1:

Average throughput: 55.12 Mbit/s

95th percentile per-packet one-way delay: 51.781 ms

Loss rate: 0.39%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of Saturator

Start at: Sun, 06 Aug 2017 00:24:38 +0000

End at: Sun, 06 Aug 2017 00:25:08 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:48:51 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.53 Mbit/s

95th percentile per-packet one-way delay: 54.690 ms

Loss rate: 0.36%

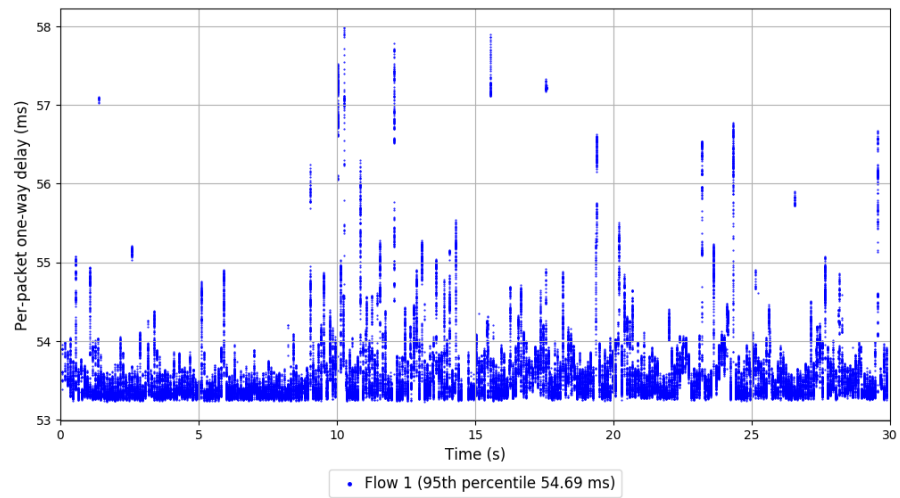
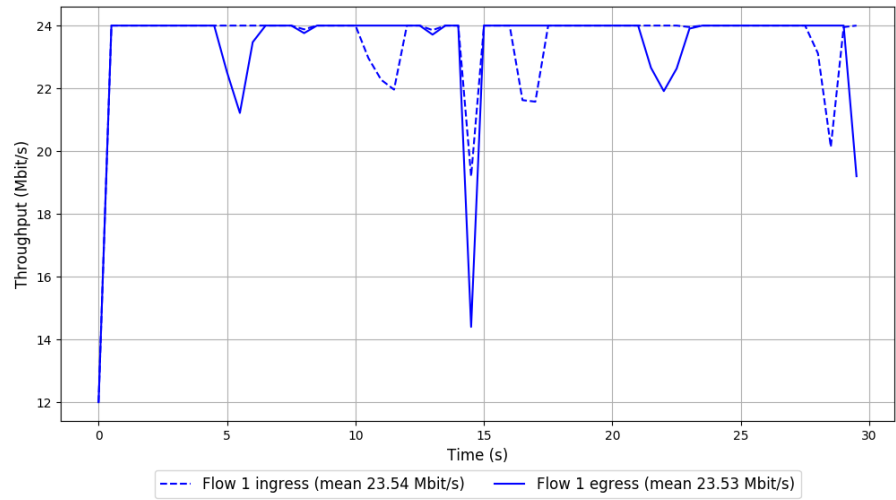
-- Flow 1:

Average throughput: 23.53 Mbit/s

95th percentile per-packet one-way delay: 54.690 ms

Loss rate: 0.36%

Run 1: Report of Saturator — Data Link



Run 2: Statistics of Saturator

Start at: Sun, 06 Aug 2017 00:35:00 +0000

End at: Sun, 06 Aug 2017 00:35:30 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:48:51 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.25 Mbit/s

95th percentile per-packet one-way delay: 54.705 ms

Loss rate: 0.47%

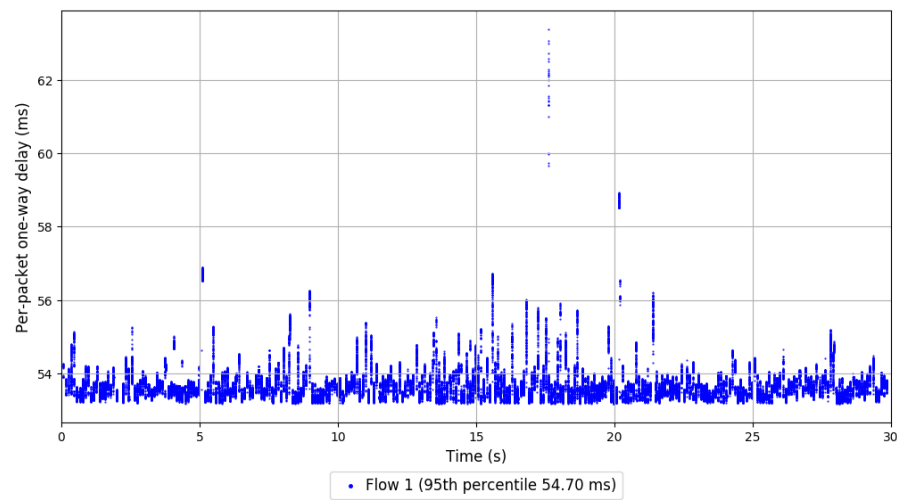
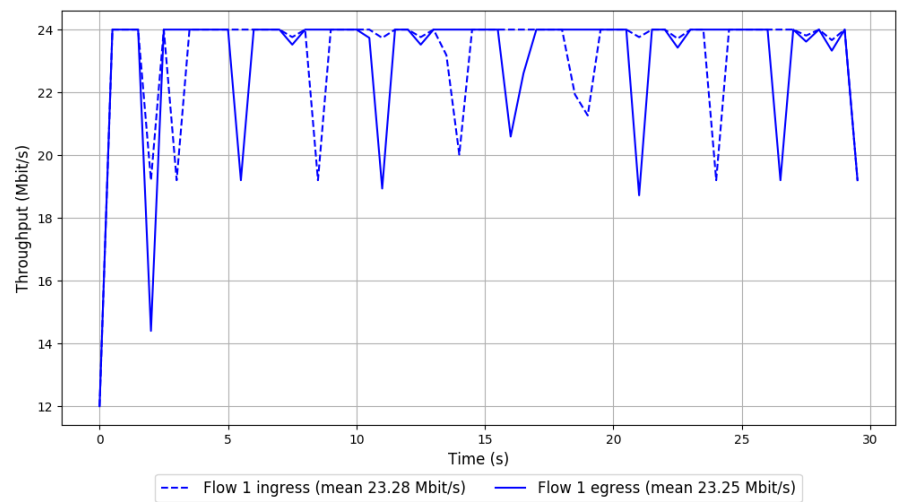
-- Flow 1:

Average throughput: 23.25 Mbit/s

95th percentile per-packet one-way delay: 54.705 ms

Loss rate: 0.47%

Run 2: Report of Saturator — Data Link

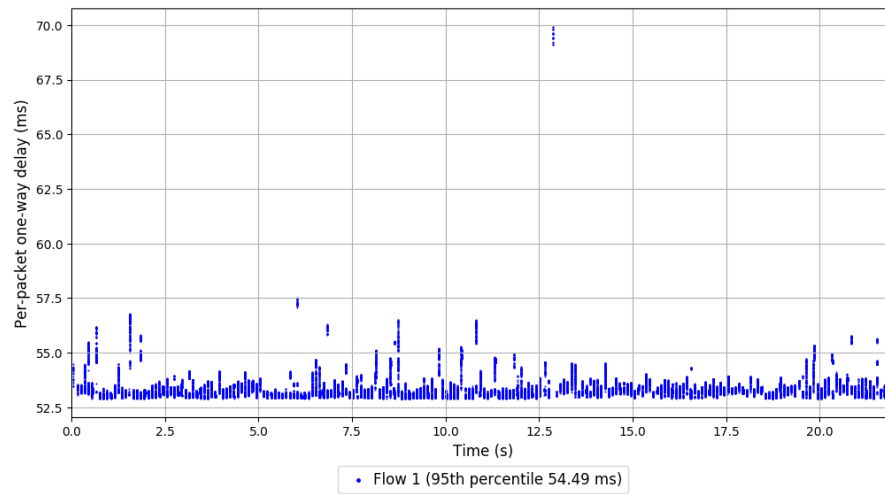
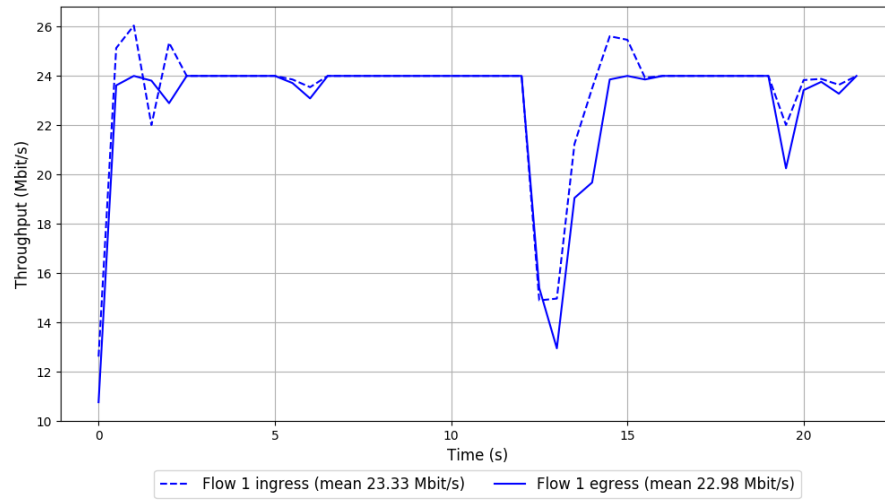


Run 3: Statistics of Saturator

Start at: Sun, 06 Aug 2017 00:45:21 +0000

End at: Sun, 06 Aug 2017 00:45:51 +0000

Run 3: Report of Saturator — Data Link

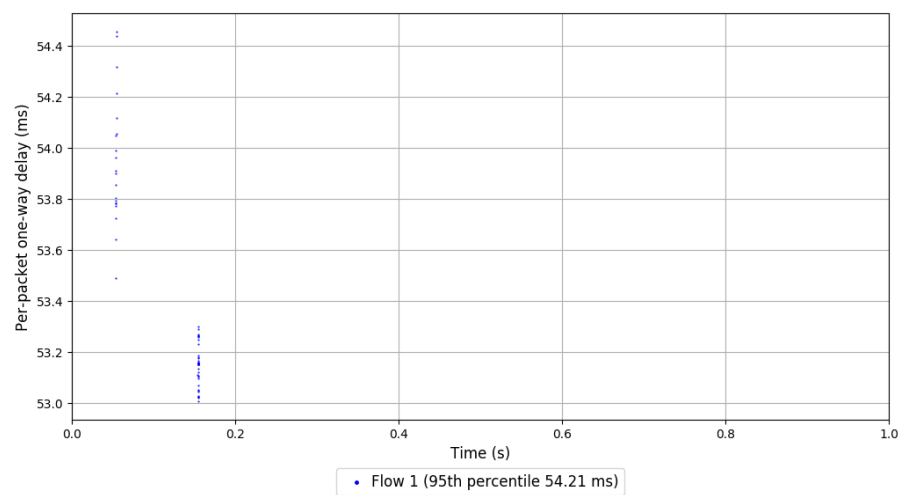
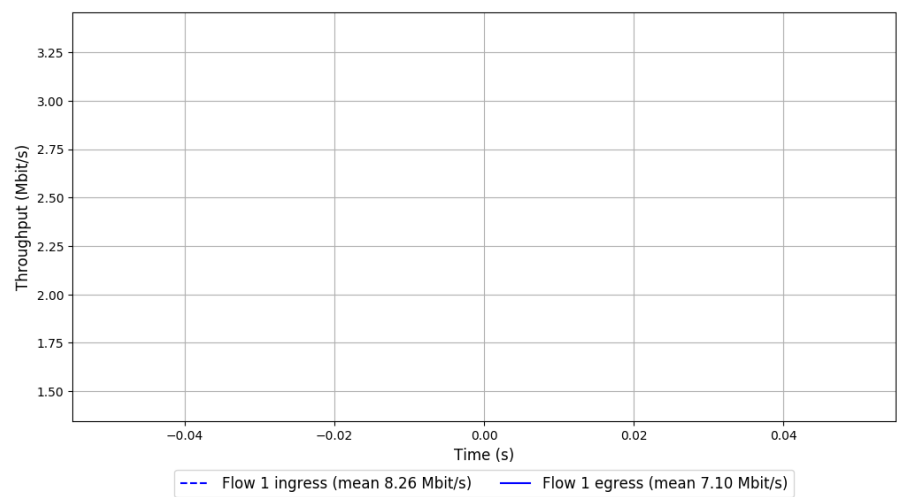


Run 4: Statistics of Saturator

Start at: Sun, 06 Aug 2017 00:55:39 +0000

End at: Sun, 06 Aug 2017 00:56:09 +0000

Run 4: Report of Saturator — Data Link

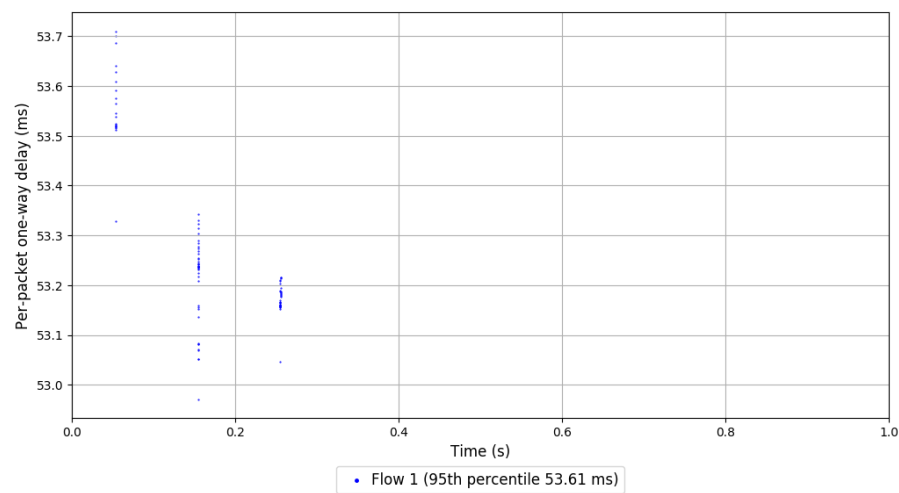
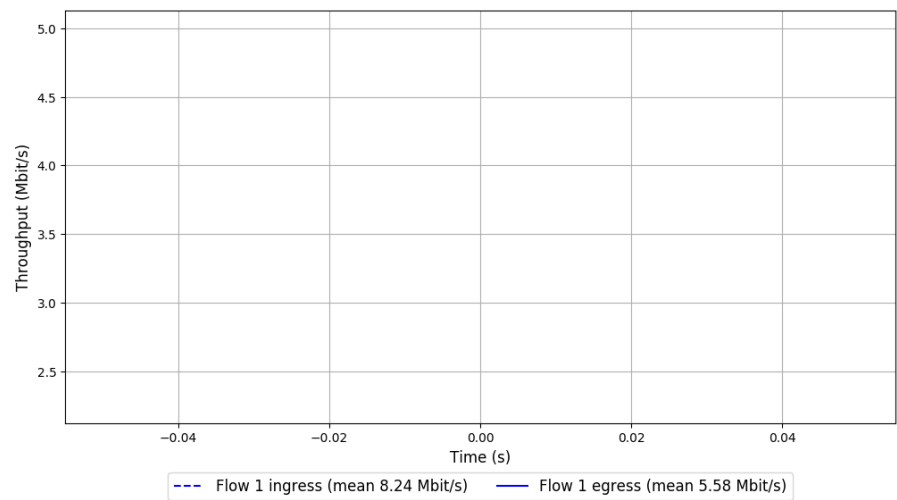


Run 5: Statistics of Saturator

Start at: Sun, 06 Aug 2017 01:06:07 +0000

End at: Sun, 06 Aug 2017 01:06:37 +0000

Run 5: Report of Saturator — Data Link



Run 6: Statistics of Saturator

Start at: Sun, 06 Aug 2017 01:16:16 +0000

End at: Sun, 06 Aug 2017 01:16:46 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:48:56 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.47 Mbit/s

95th percentile per-packet one-way delay: 53.844 ms

Loss rate: 0.43%

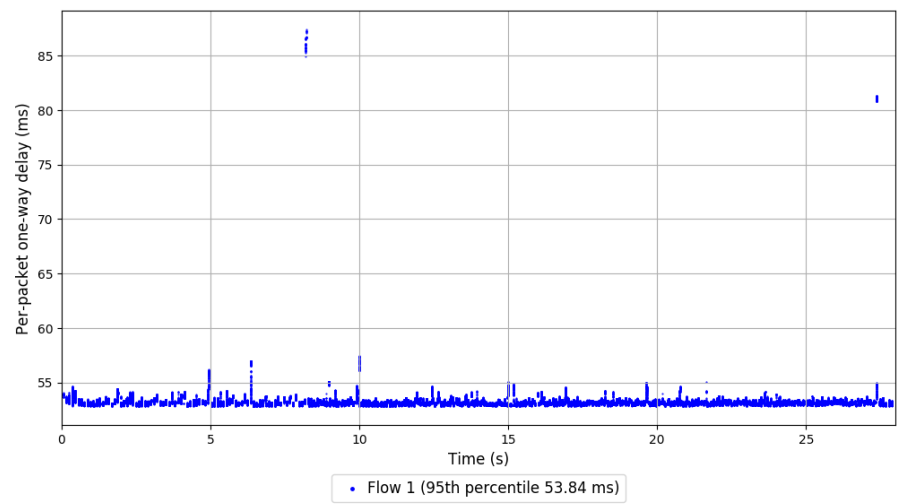
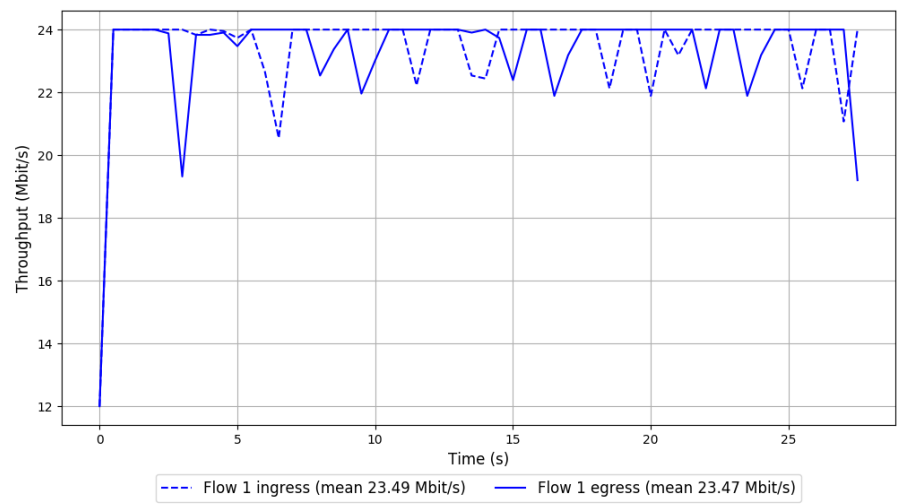
-- Flow 1:

Average throughput: 23.47 Mbit/s

95th percentile per-packet one-way delay: 53.844 ms

Loss rate: 0.43%

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

Start at: Sun, 06 Aug 2017 01:26:44 +0000

End at: Sun, 06 Aug 2017 01:27:14 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:48:56 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.40 Mbit/s

95th percentile per-packet one-way delay: 54.105 ms

Loss rate: 0.40%

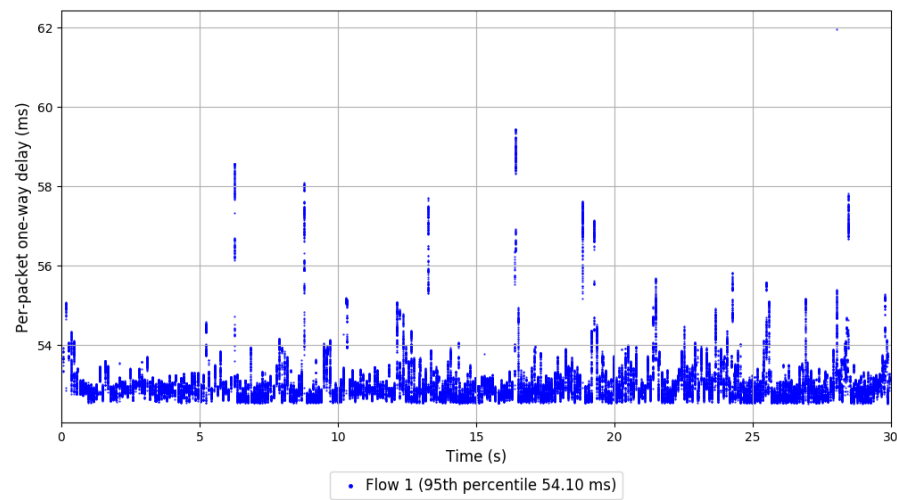
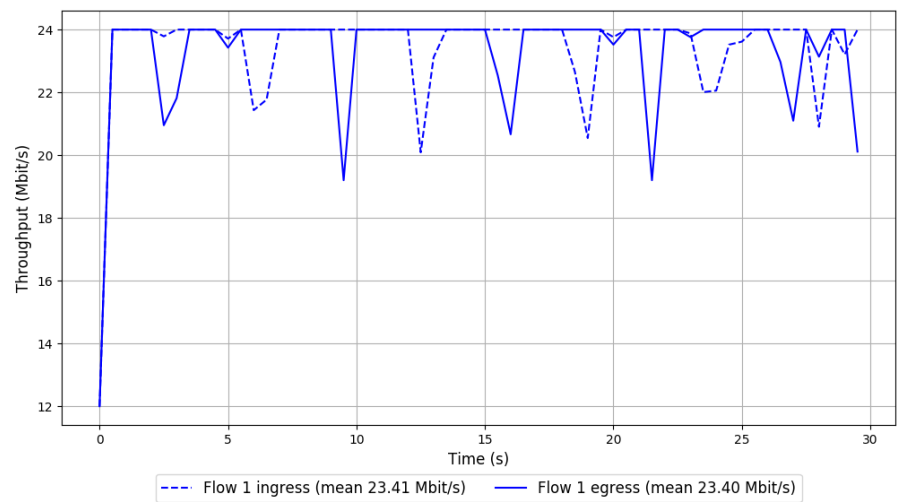
-- Flow 1:

Average throughput: 23.40 Mbit/s

95th percentile per-packet one-way delay: 54.105 ms

Loss rate: 0.40%

Run 7: Report of Saturator — Data Link



Run 8: Statistics of Saturator

Start at: Sun, 06 Aug 2017 01:37:35 +0000

End at: Sun, 06 Aug 2017 01:38:05 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:49:02 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.90 Mbit/s

95th percentile per-packet one-way delay: 54.235 ms

Loss rate: 2.83%

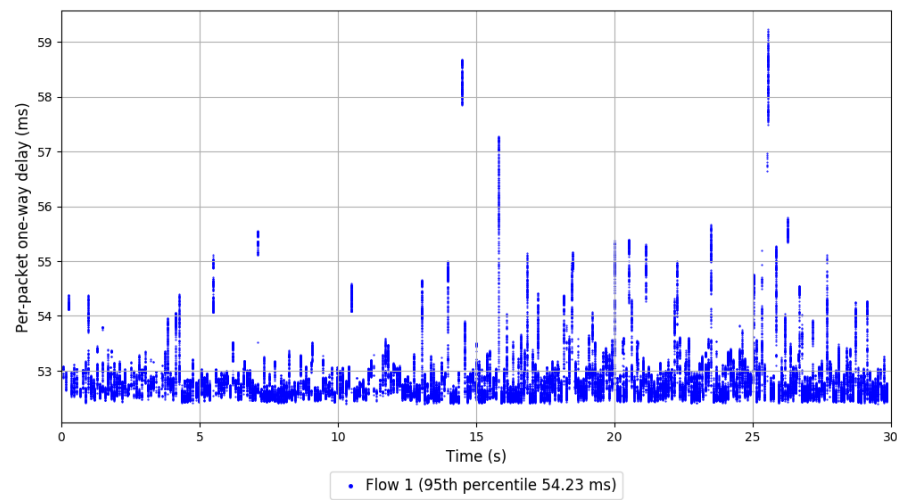
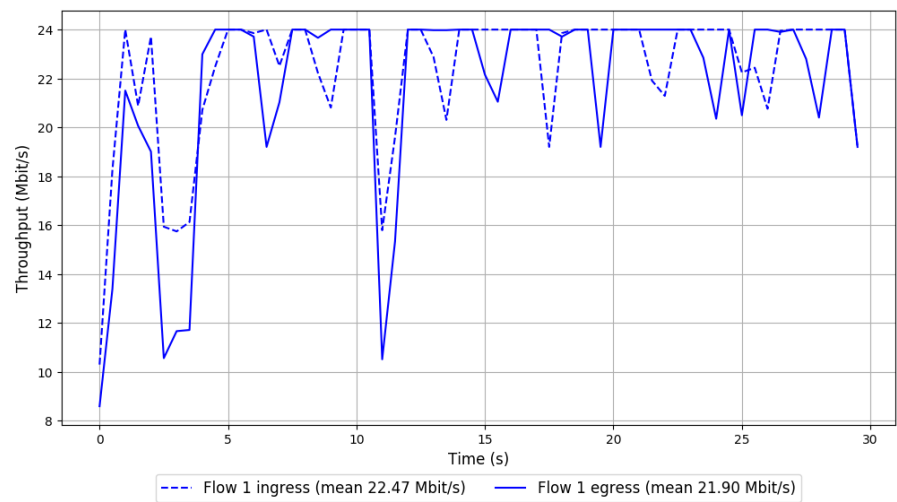
-- Flow 1:

Average throughput: 21.90 Mbit/s

95th percentile per-packet one-way delay: 54.235 ms

Loss rate: 2.83%

Run 8: Report of Saturator — Data Link

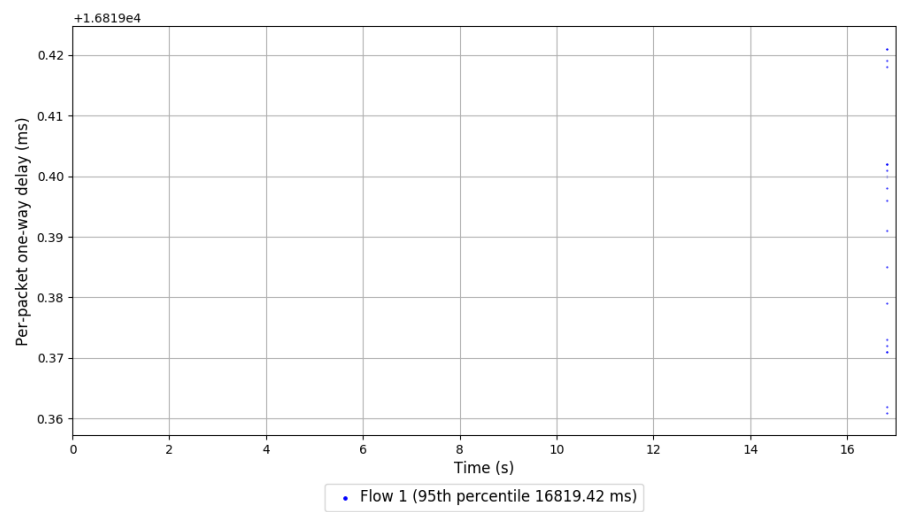
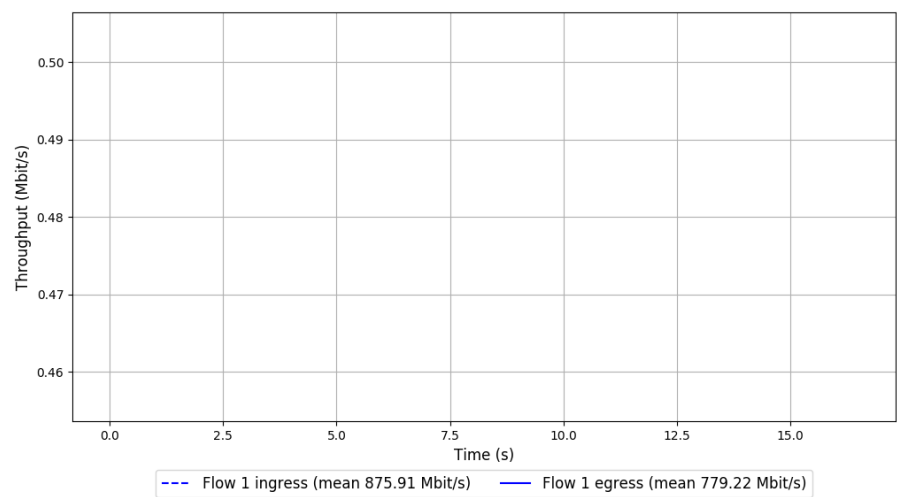


Run 9: Statistics of Saturator

Start at: Sun, 06 Aug 2017 01:47:58 +0000

End at: Sun, 06 Aug 2017 01:48:28 +0000

Run 9: Report of Saturator — Data Link



Run 10: Statistics of Saturator

Start at: Sun, 06 Aug 2017 01:58:29 +0000

End at: Sun, 06 Aug 2017 01:58:59 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:49:02 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.49 Mbit/s

95th percentile per-packet one-way delay: 52.570 ms

Loss rate: 2.25%

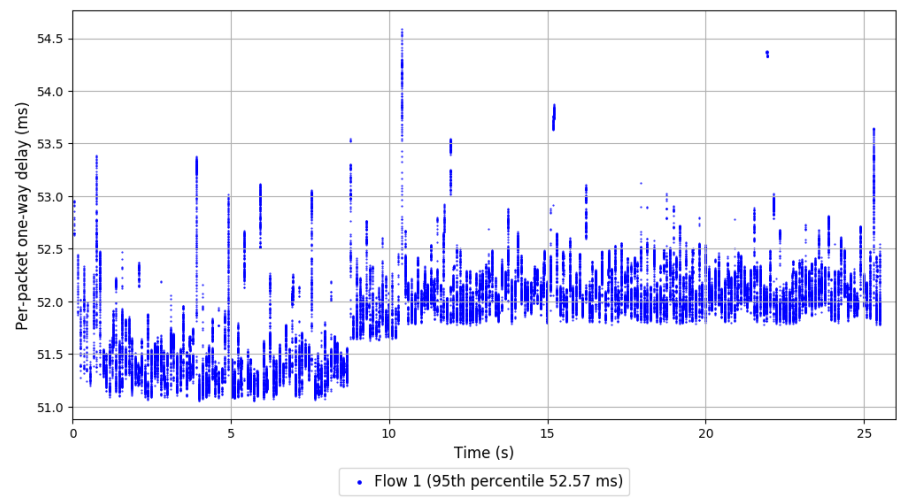
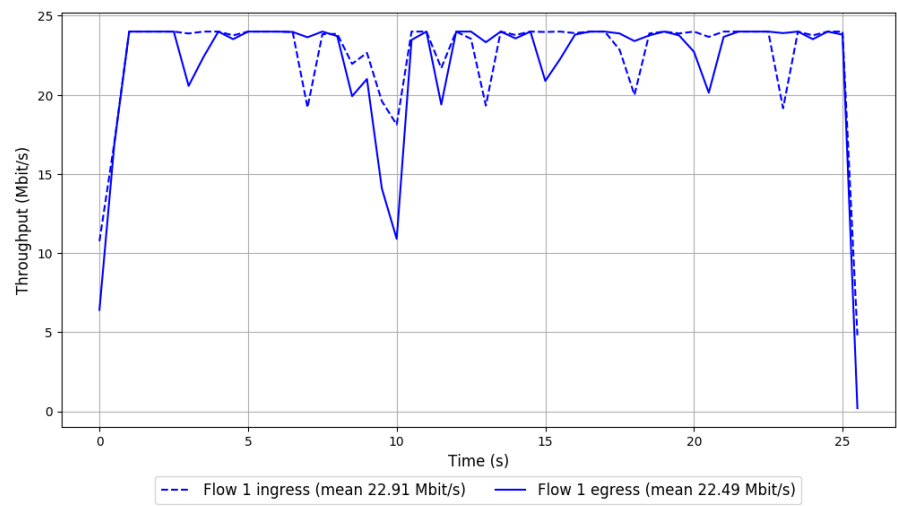
-- Flow 1:

Average throughput: 22.49 Mbit/s

95th percentile per-packet one-way delay: 52.570 ms

Loss rate: 2.25%

Run 10: Report of Saturator — Data Link



Run 1: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 00:28:44 +0000

End at: Sun, 06 Aug 2017 00:29:14 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:49:03 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.592 ms

Loss rate: 0.25%

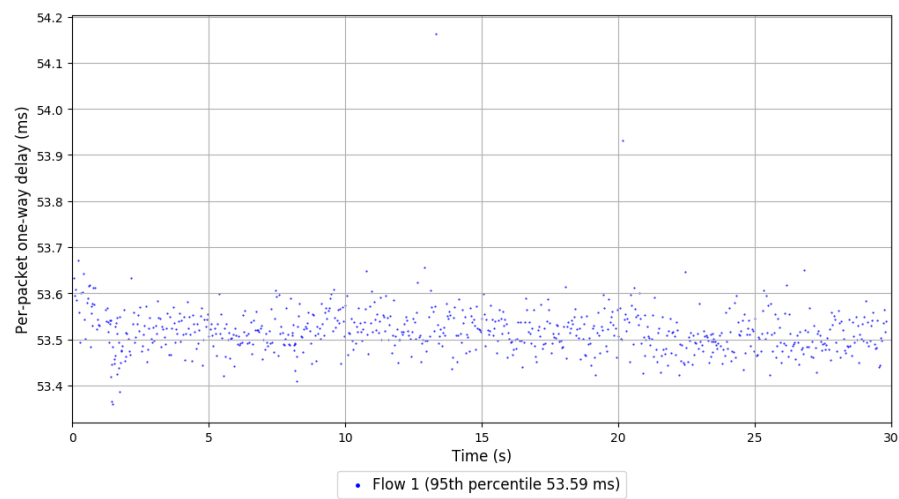
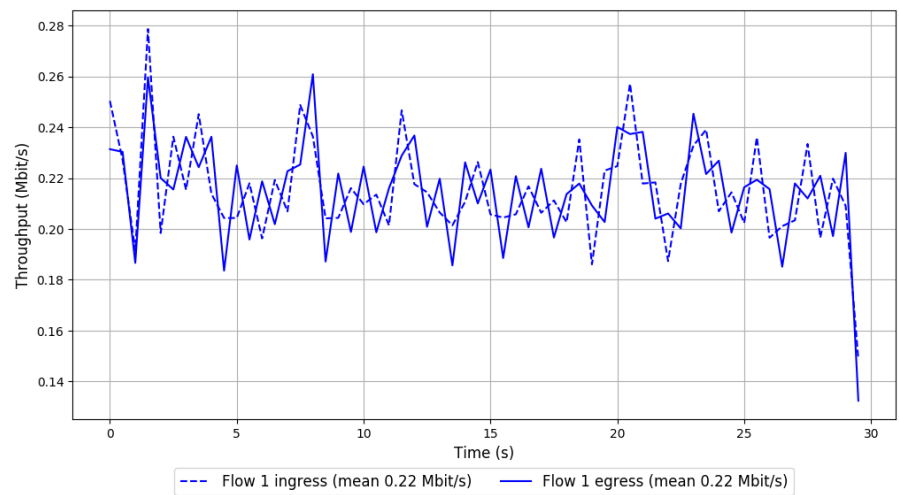
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.592 ms

Loss rate: 0.25%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 00:39:10 +0000

End at: Sun, 06 Aug 2017 00:39:40 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:49:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.399 ms

Loss rate: 0.26%

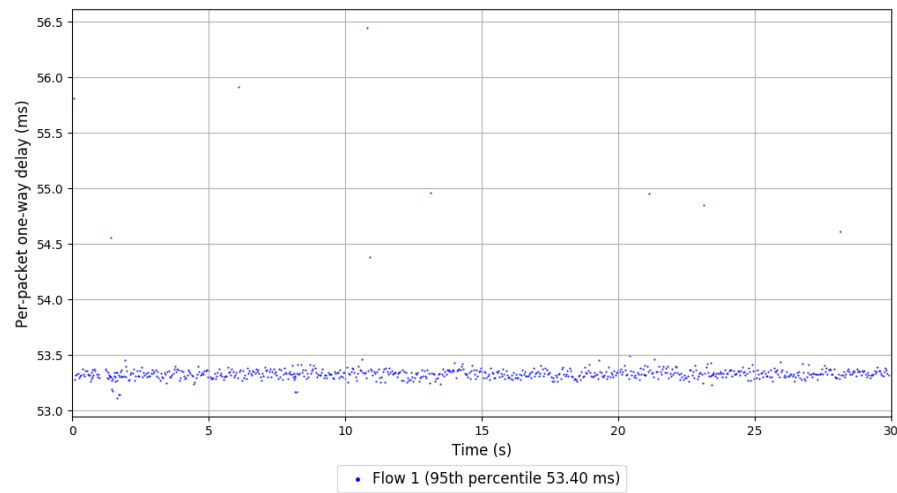
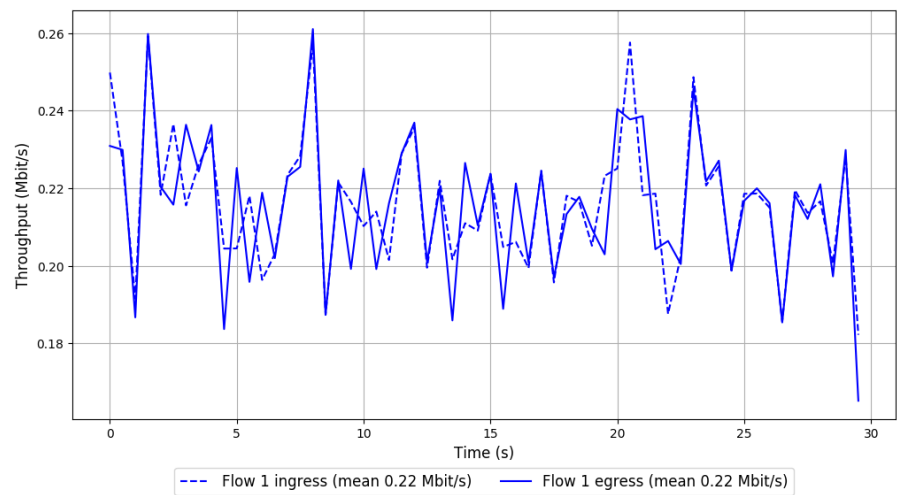
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.399 ms

Loss rate: 0.26%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 00:49:32 +0000

End at: Sun, 06 Aug 2017 00:50:02 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:49:05 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.360 ms

Loss rate: 0.38%

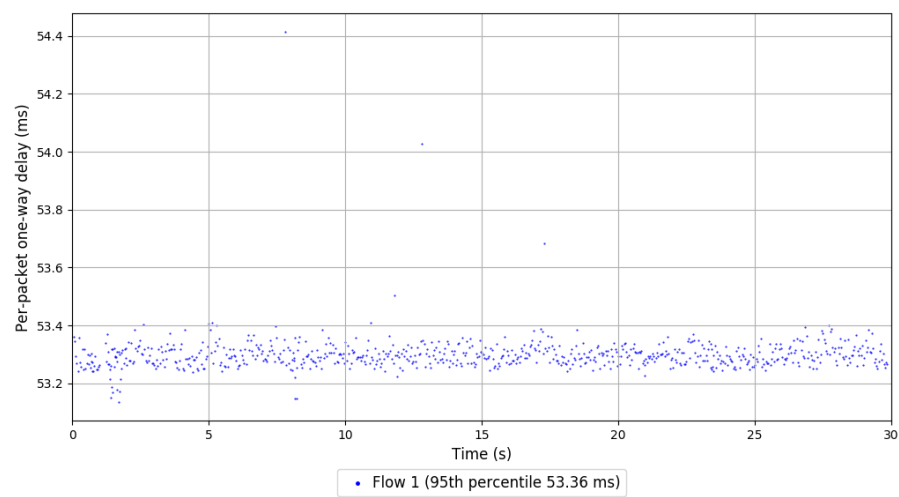
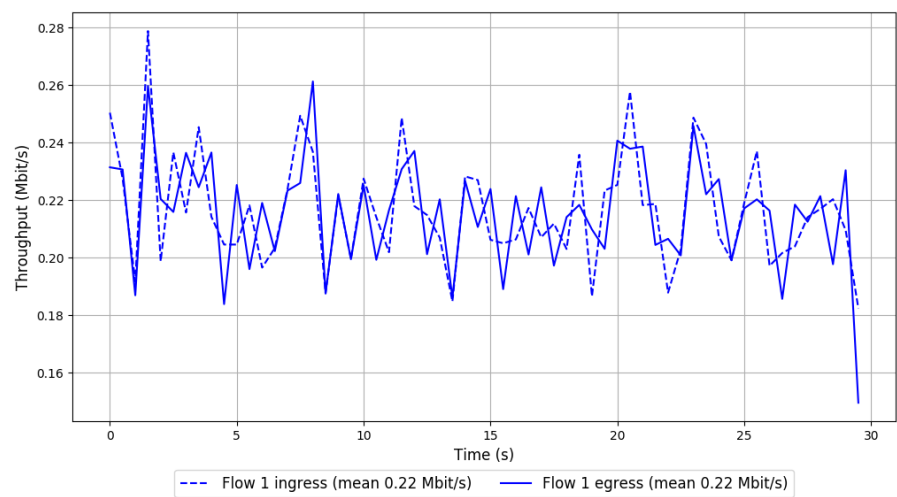
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.360 ms

Loss rate: 0.38%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 00:59:53 +0000

End at: Sun, 06 Aug 2017 01:00:23 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:49:06 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.007 ms

Loss rate: 0.26%

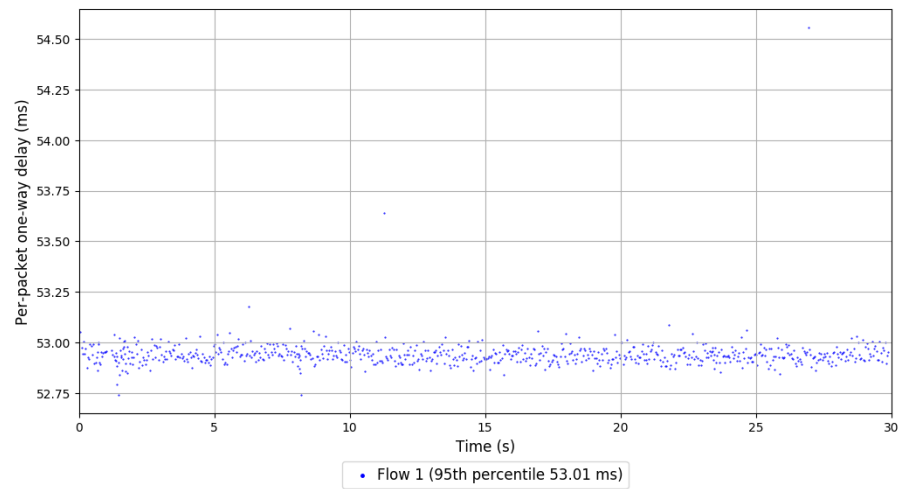
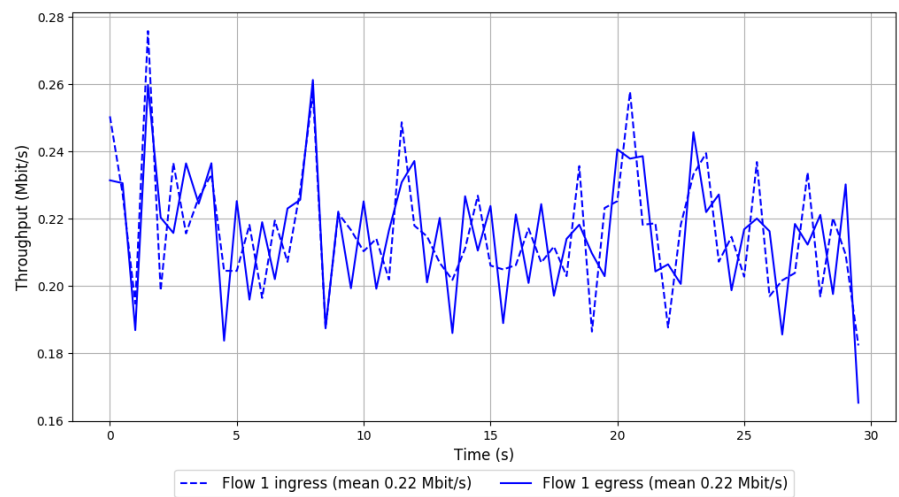
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.007 ms

Loss rate: 0.26%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 01:10:11 +0000

End at: Sun, 06 Aug 2017 01:10:41 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:49:06 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 52.042 ms

Loss rate: 0.26%

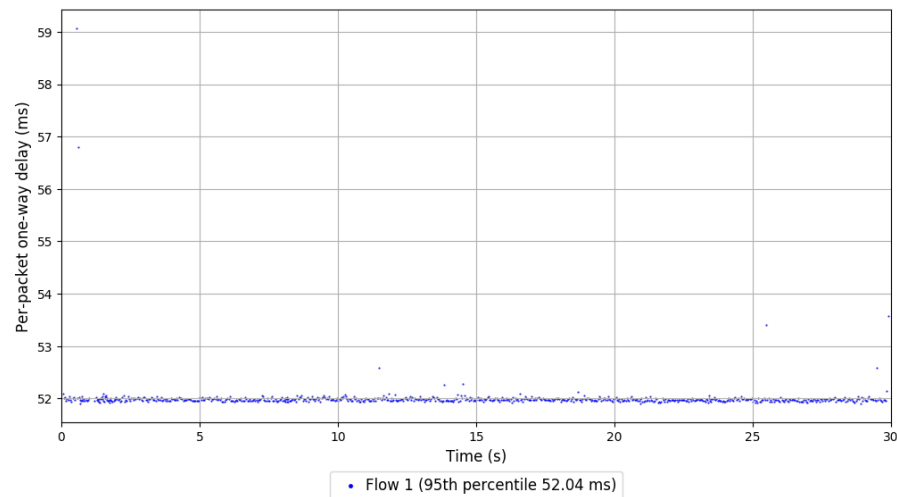
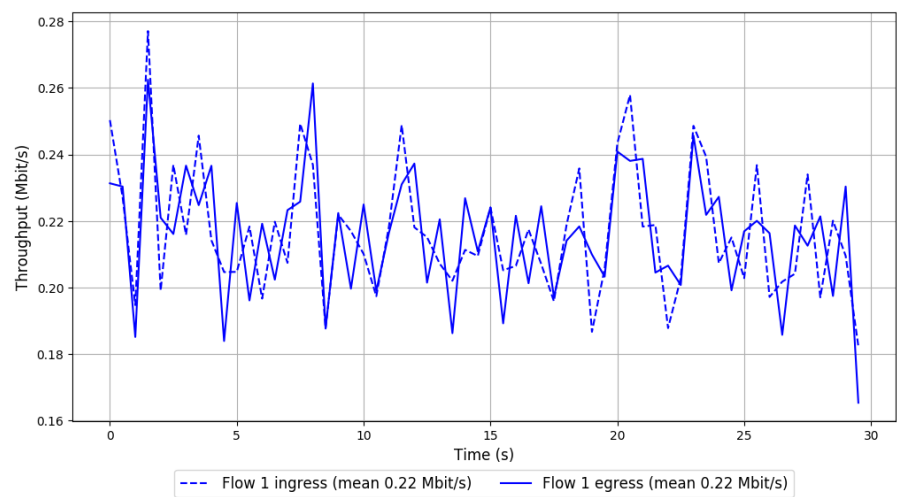
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 52.042 ms

Loss rate: 0.26%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 01:20:31 +0000

End at: Sun, 06 Aug 2017 01:21:01 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:49:07 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.906 ms

Loss rate: 0.26%

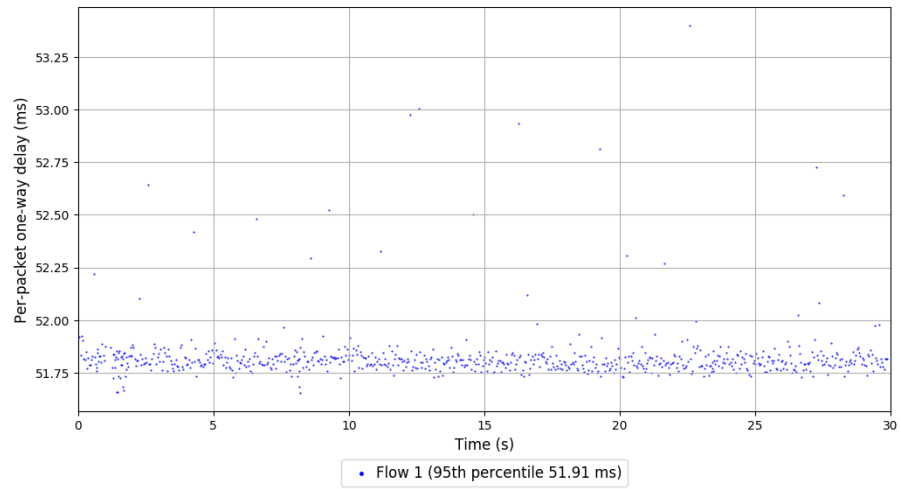
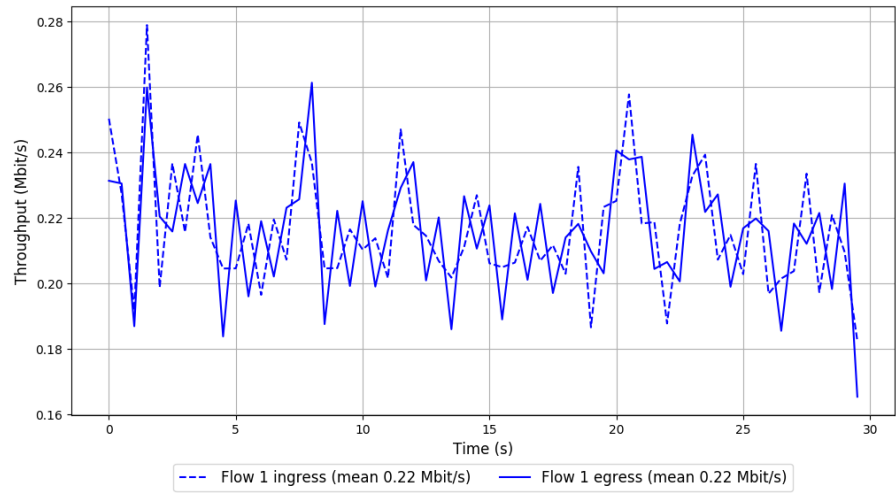
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.906 ms

Loss rate: 0.26%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 01:31:13 +0000

End at: Sun, 06 Aug 2017 01:31:43 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:49:08 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.808 ms

Loss rate: 0.26%

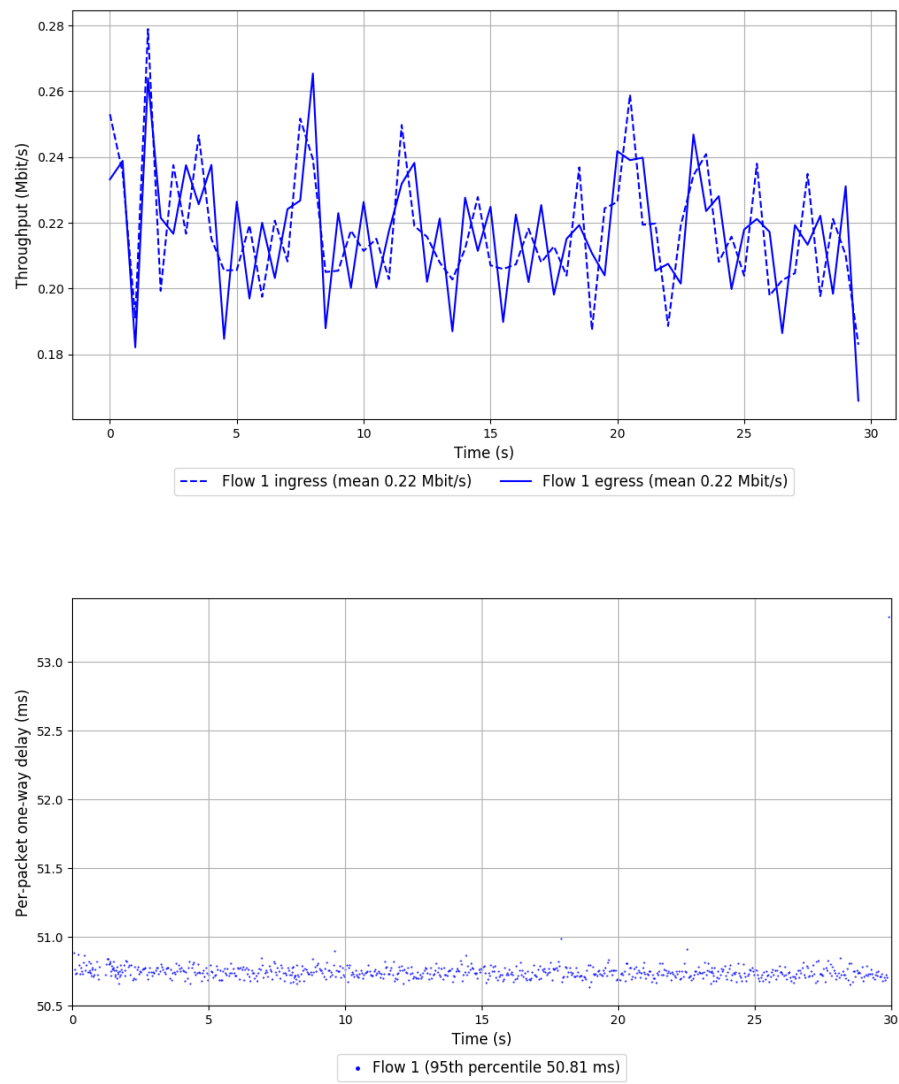
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.808 ms

Loss rate: 0.26%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 01:41:51 +0000

End at: Sun, 06 Aug 2017 01:42:21 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:49:08 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 52.371 ms

Loss rate: 0.38%

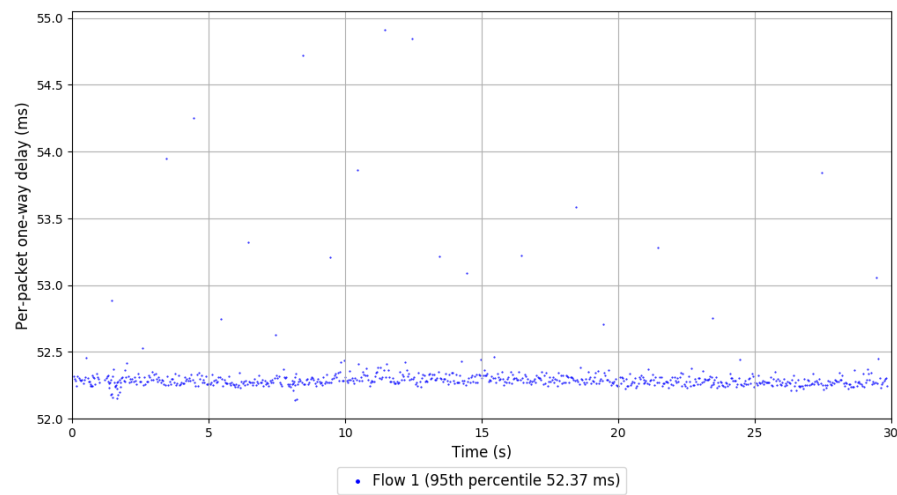
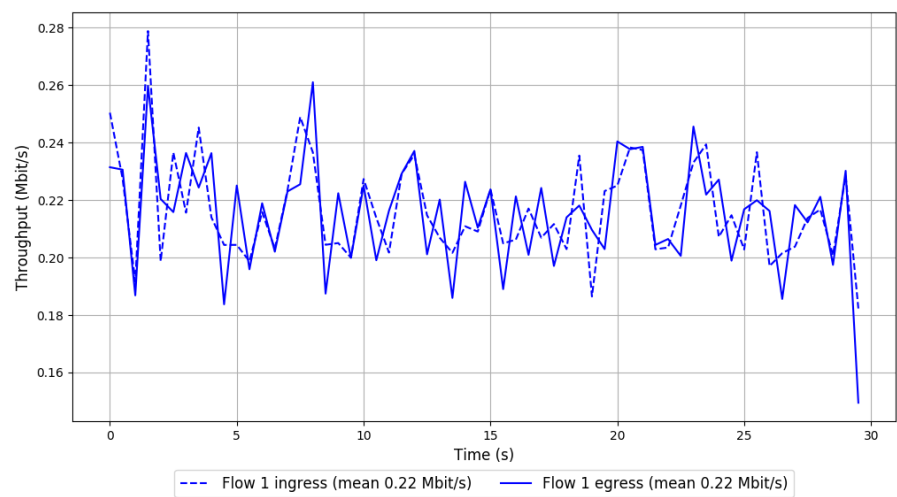
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 52.371 ms

Loss rate: 0.38%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 01:52:16 +0000

End at: Sun, 06 Aug 2017 01:52:46 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:49:09 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 52.022 ms

Loss rate: 0.26%

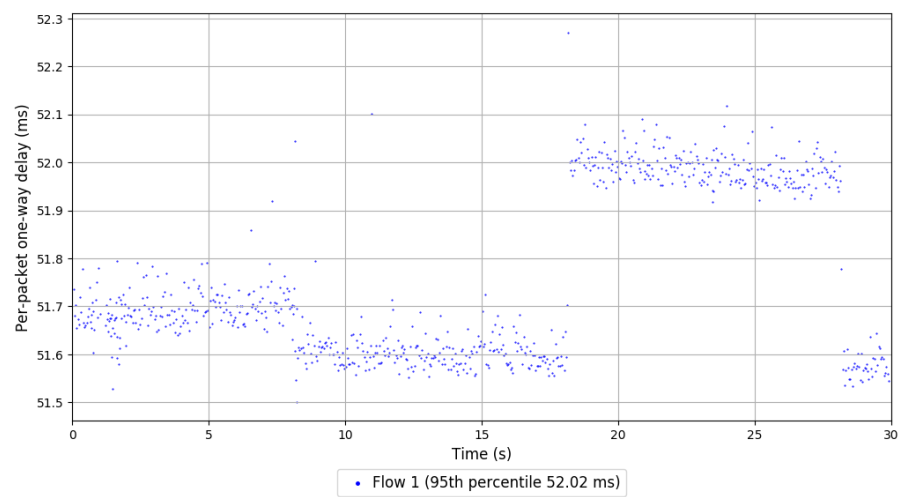
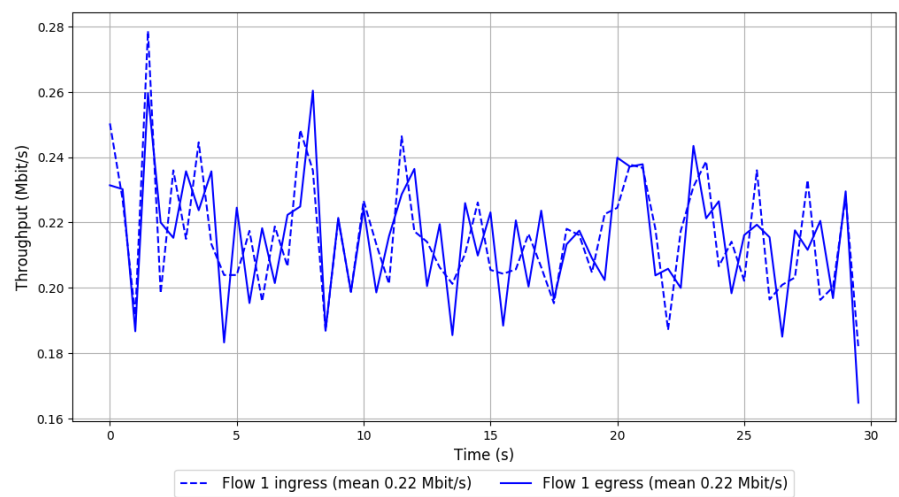
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 52.022 ms

Loss rate: 0.26%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: Sun, 06 Aug 2017 02:02:45 +0000

End at: Sun, 06 Aug 2017 02:03:15 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:49:10 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.12 Mbit/s

95th percentile per-packet one-way delay: 50.101 ms

Loss rate: 1.64%

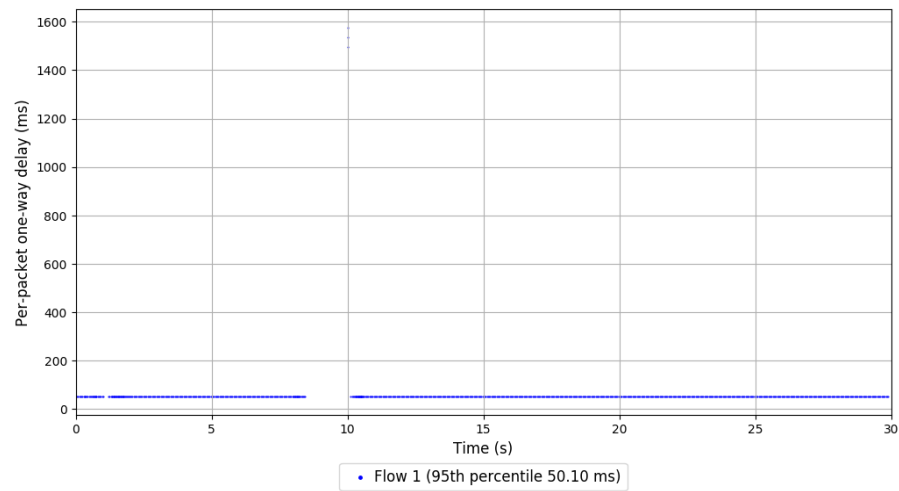
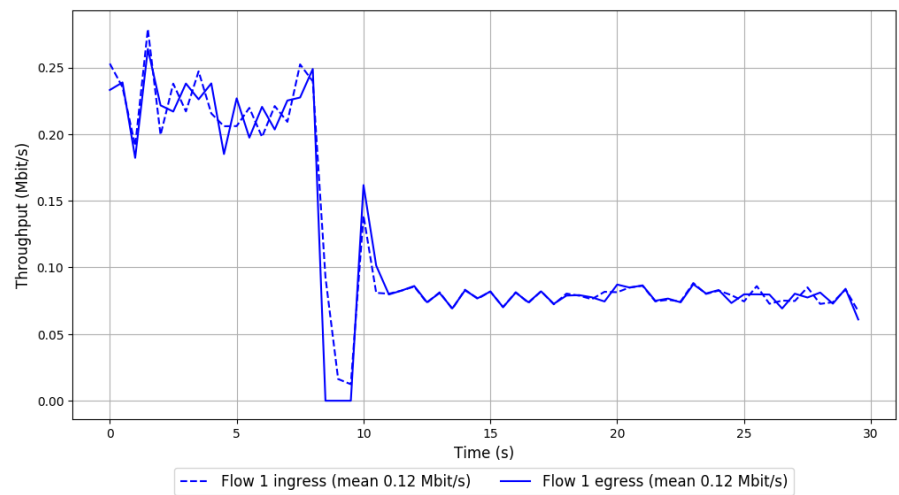
-- Flow 1:

Average throughput: 0.12 Mbit/s

95th percentile per-packet one-way delay: 50.101 ms

Loss rate: 1.64%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: Sun, 06 Aug 2017 00:32:51 +0000

End at: Sun, 06 Aug 2017 00:33:21 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:49:12 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.68 Mbit/s

95th percentile per-packet one-way delay: 54.248 ms

Loss rate: 12.24%

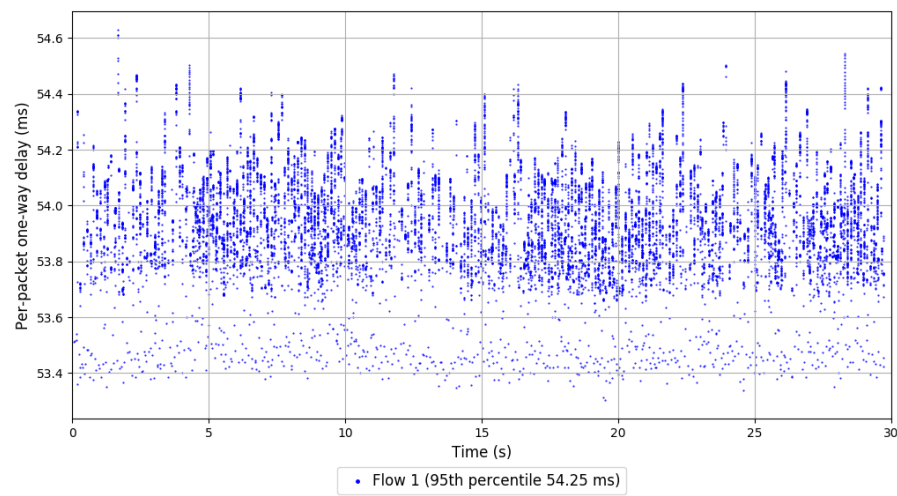
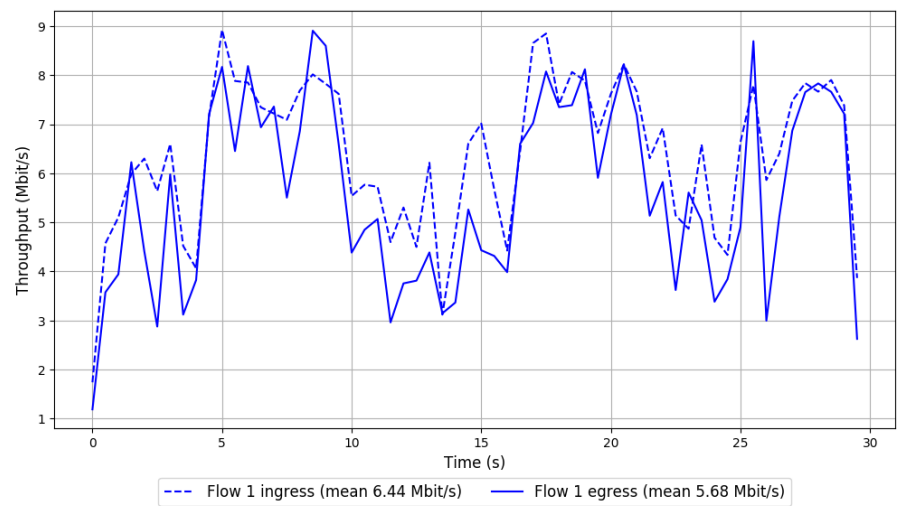
-- Flow 1:

Average throughput: 5.68 Mbit/s

95th percentile per-packet one-way delay: 54.248 ms

Loss rate: 12.24%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: Sun, 06 Aug 2017 00:43:12 +0000

End at: Sun, 06 Aug 2017 00:43:42 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:49:12 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.95 Mbit/s

95th percentile per-packet one-way delay: 53.997 ms

Loss rate: 0.30%

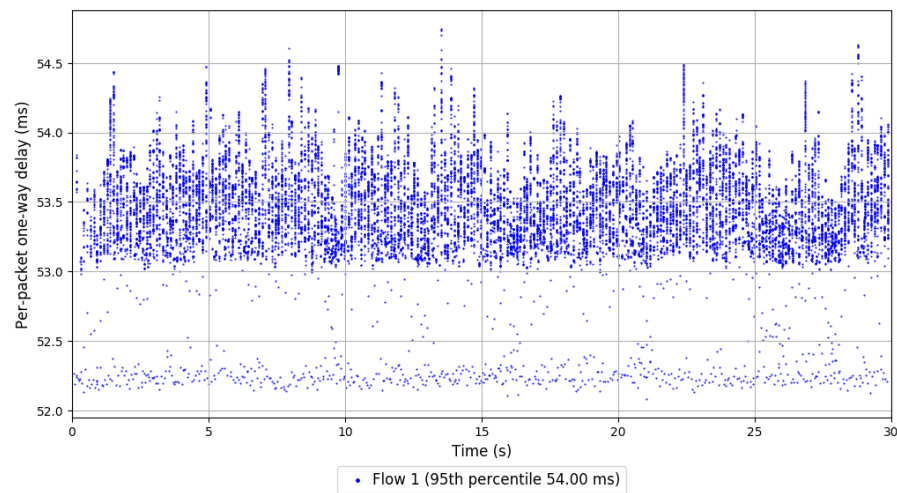
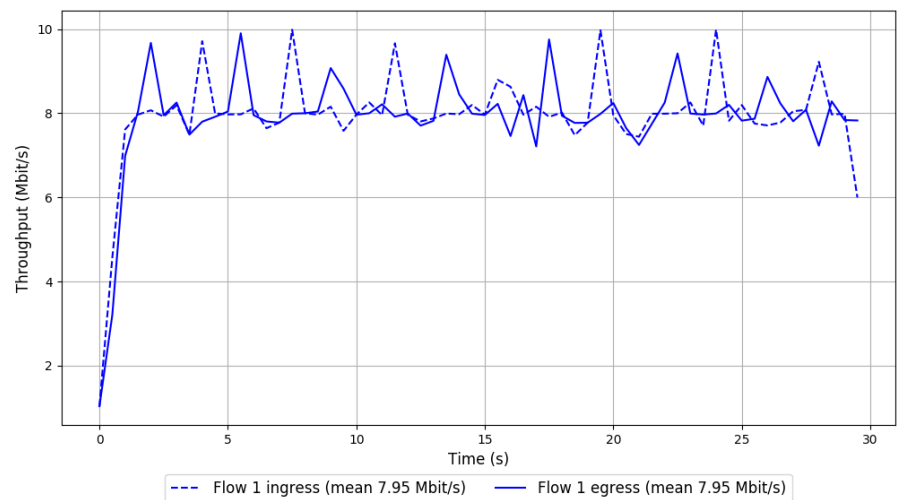
-- Flow 1:

Average throughput: 7.95 Mbit/s

95th percentile per-packet one-way delay: 53.997 ms

Loss rate: 0.30%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: Sun, 06 Aug 2017 00:53:27 +0000

End at: Sun, 06 Aug 2017 00:53:57 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:49:15 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.78 Mbit/s

95th percentile per-packet one-way delay: 54.064 ms

Loss rate: 1.29%

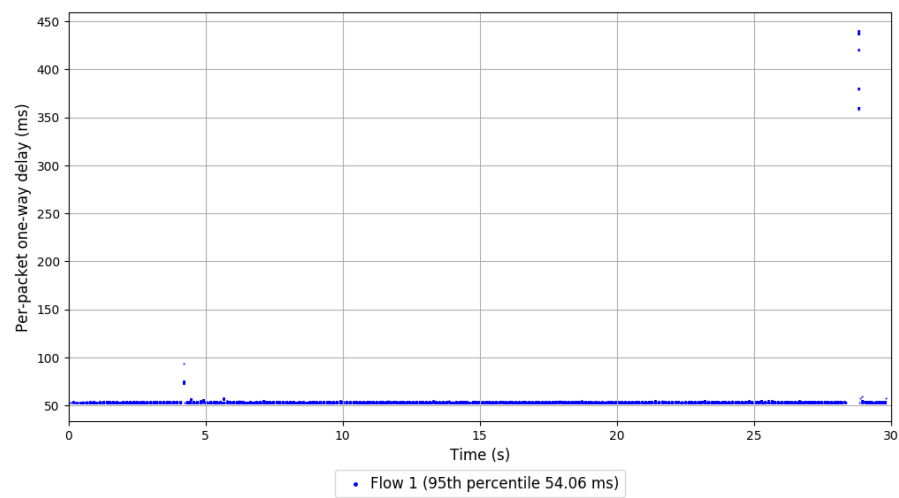
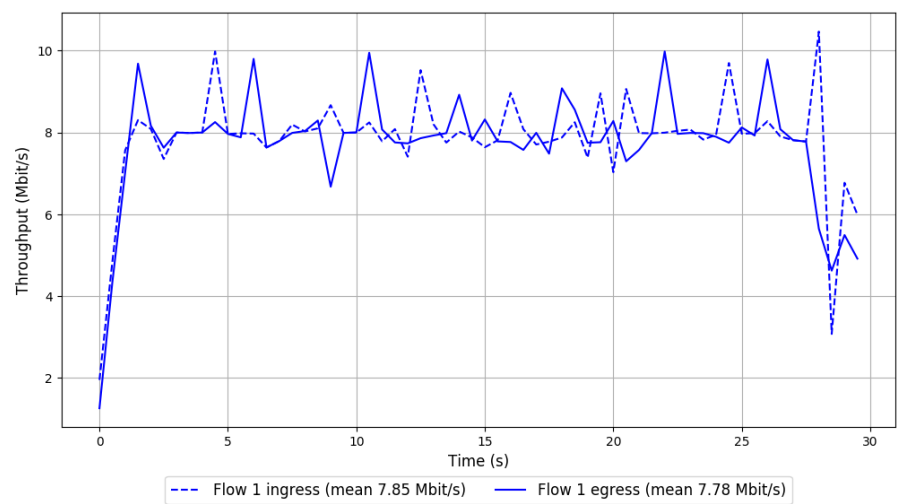
-- Flow 1:

Average throughput: 7.78 Mbit/s

95th percentile per-packet one-way delay: 54.064 ms

Loss rate: 1.29%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: Sun, 06 Aug 2017 01:03:54 +0000

End at: Sun, 06 Aug 2017 01:04:24 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:49:15 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.39 Mbit/s

95th percentile per-packet one-way delay: 53.247 ms

Loss rate: 22.67%

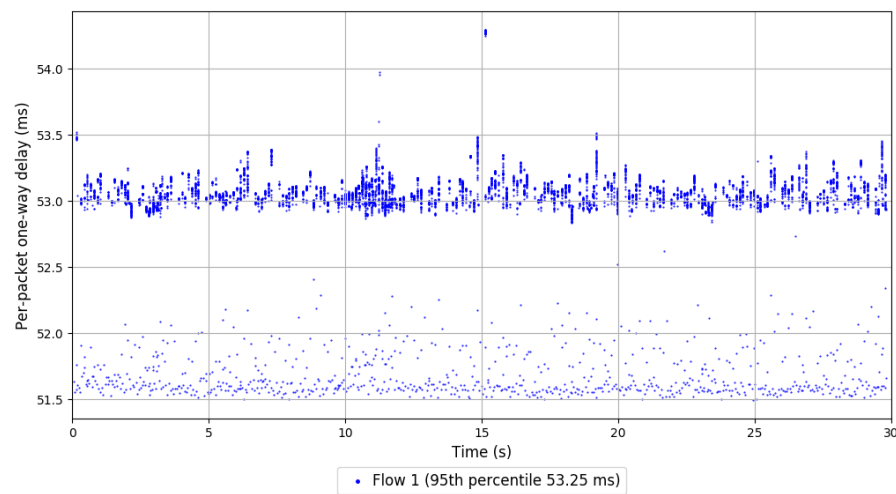
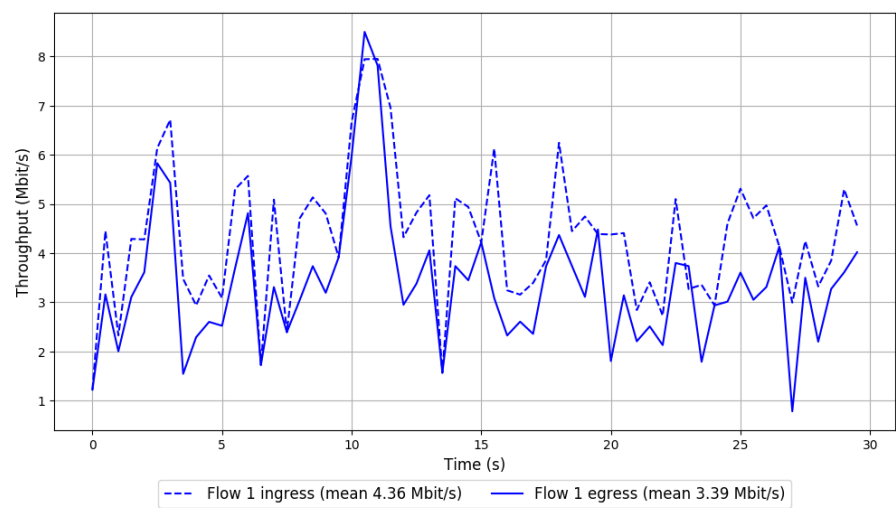
-- Flow 1:

Average throughput: 3.39 Mbit/s

95th percentile per-packet one-way delay: 53.247 ms

Loss rate: 22.67%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: Sun, 06 Aug 2017 01:14:07 +0000

End at: Sun, 06 Aug 2017 01:14:37 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:49:17 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.92 Mbit/s

95th percentile per-packet one-way delay: 53.969 ms

Loss rate: 0.46%

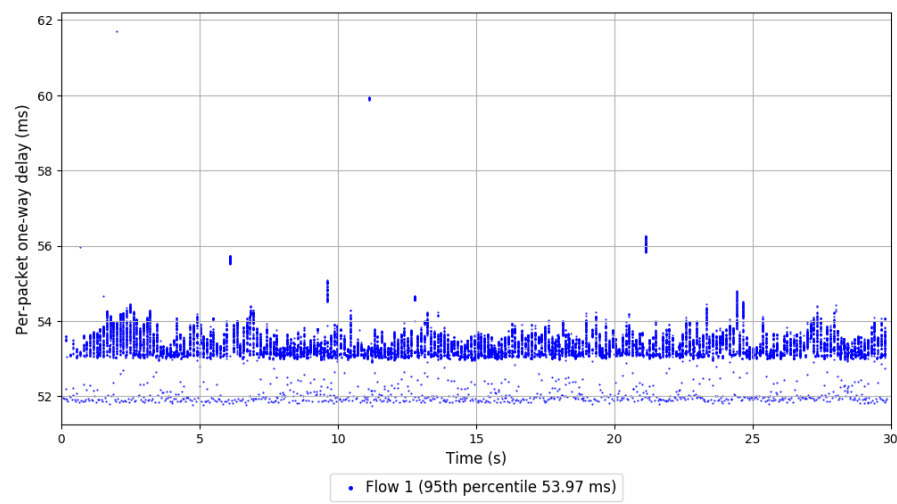
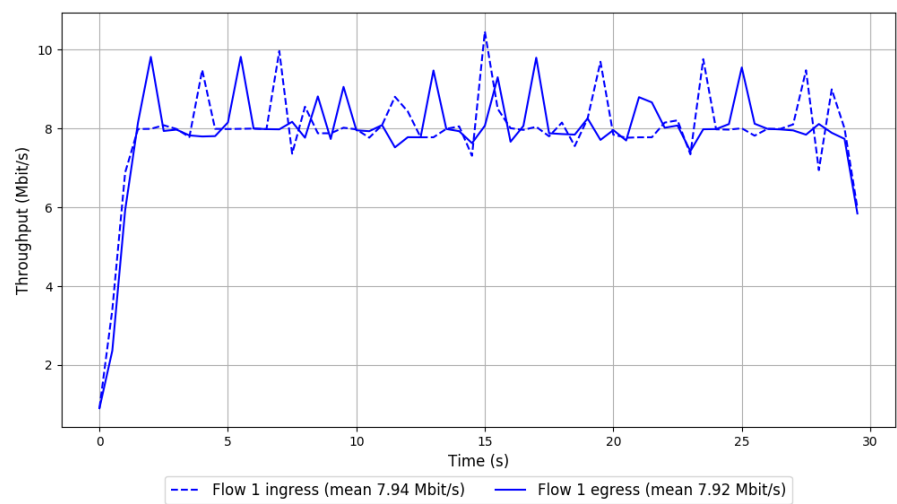
-- Flow 1:

Average throughput: 7.92 Mbit/s

95th percentile per-packet one-way delay: 53.969 ms

Loss rate: 0.46%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: Sun, 06 Aug 2017 01:24:36 +0000

End at: Sun, 06 Aug 2017 01:25:06 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:49:18 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.97 Mbit/s

95th percentile per-packet one-way delay: 53.249 ms

Loss rate: 0.46%

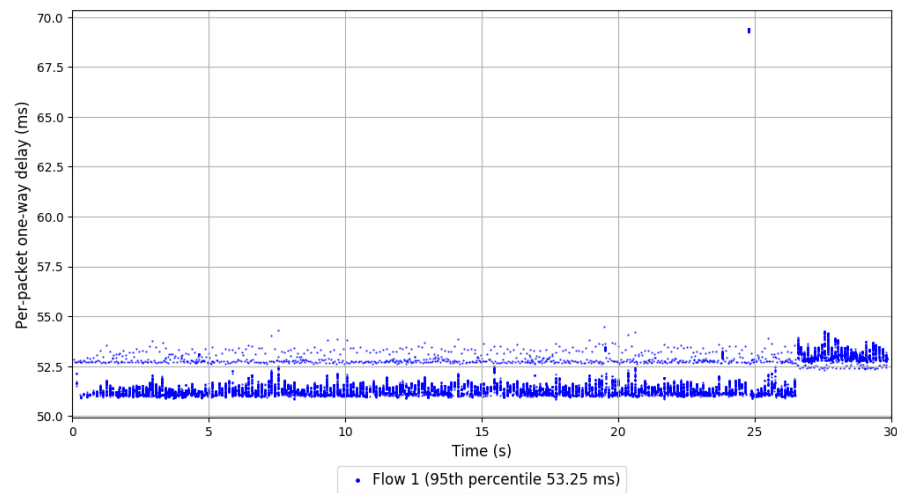
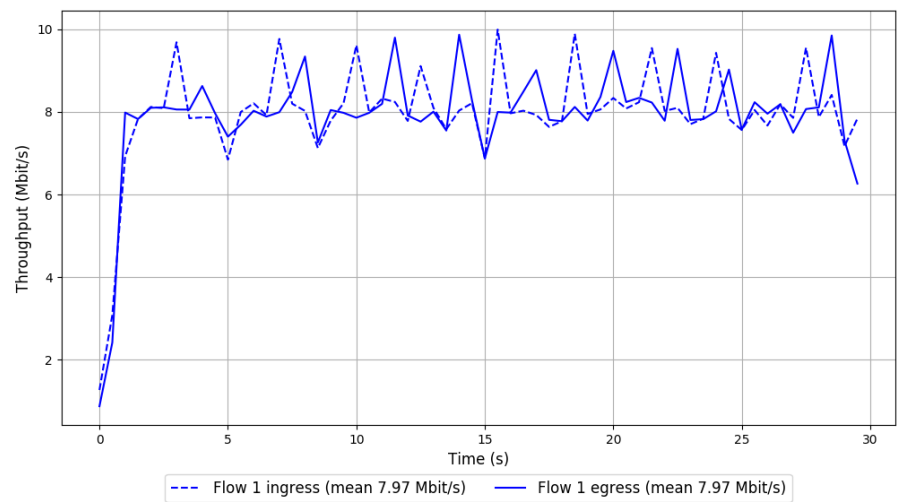
-- Flow 1:

Average throughput: 7.97 Mbit/s

95th percentile per-packet one-way delay: 53.249 ms

Loss rate: 0.46%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: Sun, 06 Aug 2017 01:35:26 +0000

End at: Sun, 06 Aug 2017 01:35:56 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:49:20 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.27 Mbit/s

95th percentile per-packet one-way delay: 53.184 ms

Loss rate: 8.96%

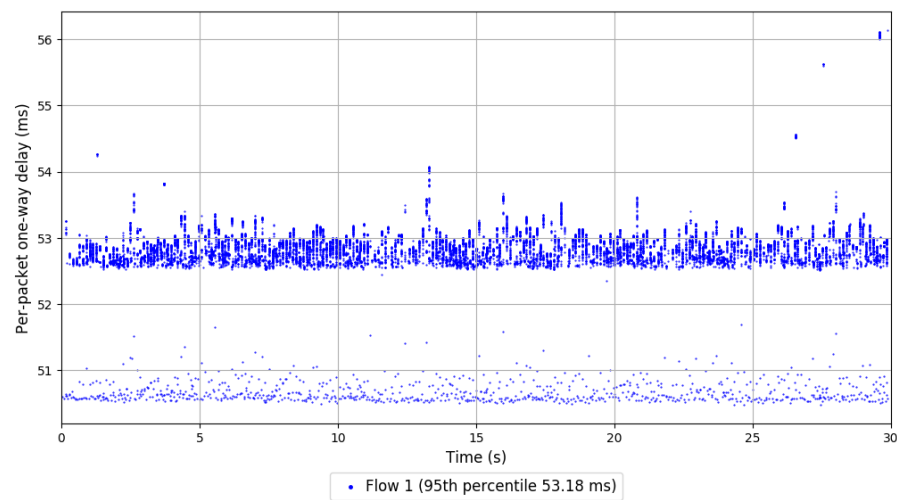
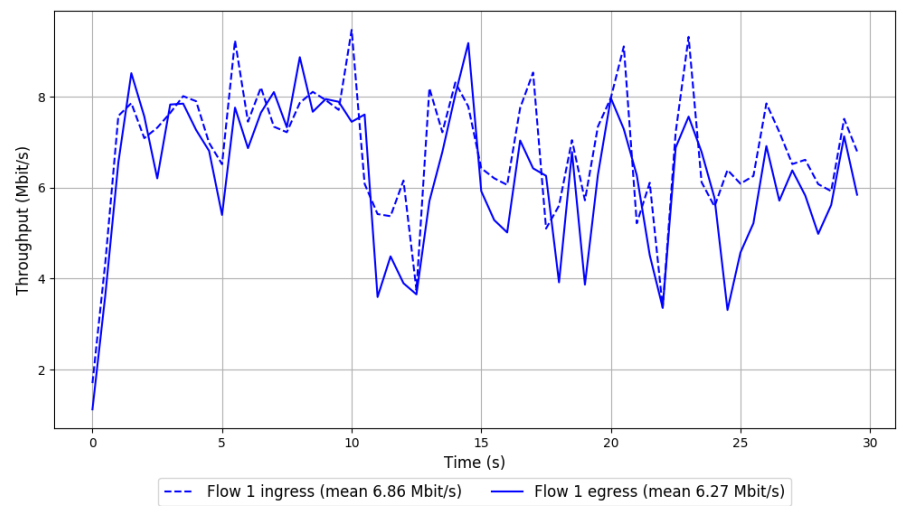
-- Flow 1:

Average throughput: 6.27 Mbit/s

95th percentile per-packet one-way delay: 53.184 ms

Loss rate: 8.96%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: Sun, 06 Aug 2017 01:45:55 +0000

End at: Sun, 06 Aug 2017 01:46:25 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:49:21 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.62 Mbit/s

95th percentile per-packet one-way delay: 52.885 ms

Loss rate: 21.31%

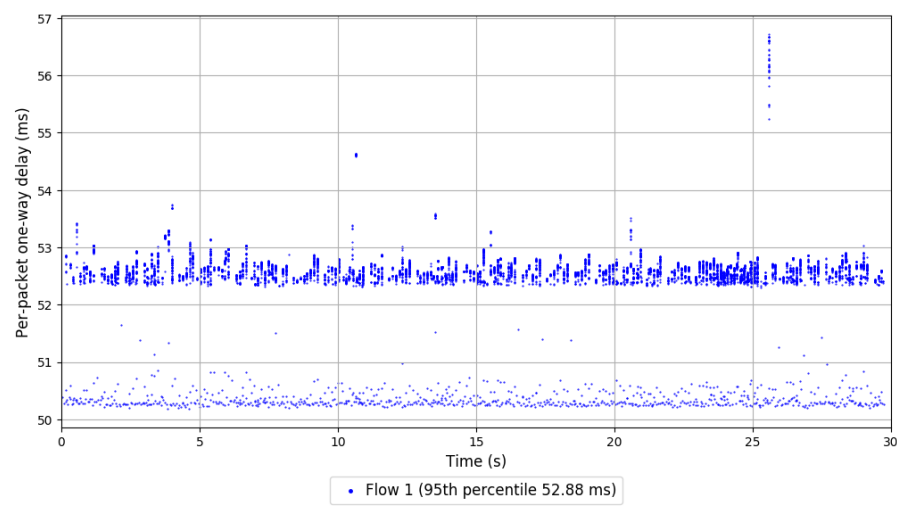
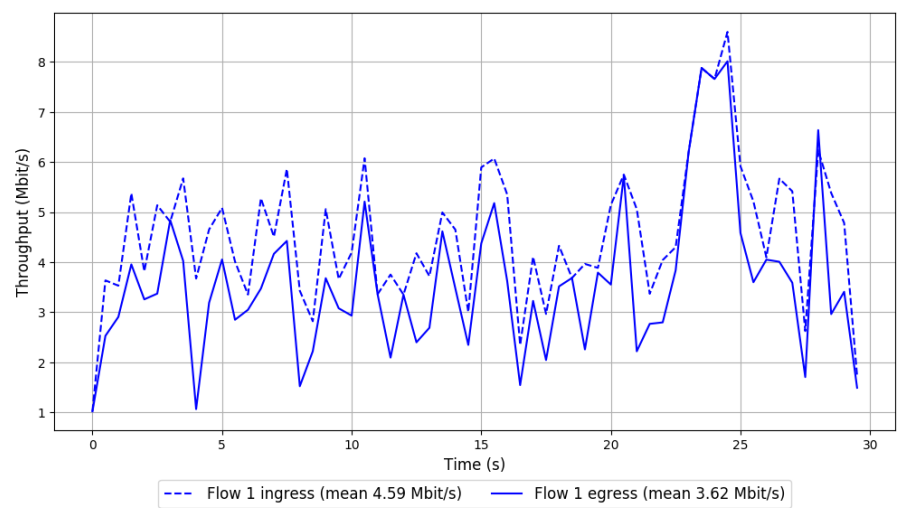
-- Flow 1:

Average throughput: 3.62 Mbit/s

95th percentile per-packet one-way delay: 52.885 ms

Loss rate: 21.31%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: Sun, 06 Aug 2017 01:56:17 +0000

End at: Sun, 06 Aug 2017 01:56:48 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:49:22 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.64 Mbit/s

95th percentile per-packet one-way delay: 52.310 ms

Loss rate: 19.45%

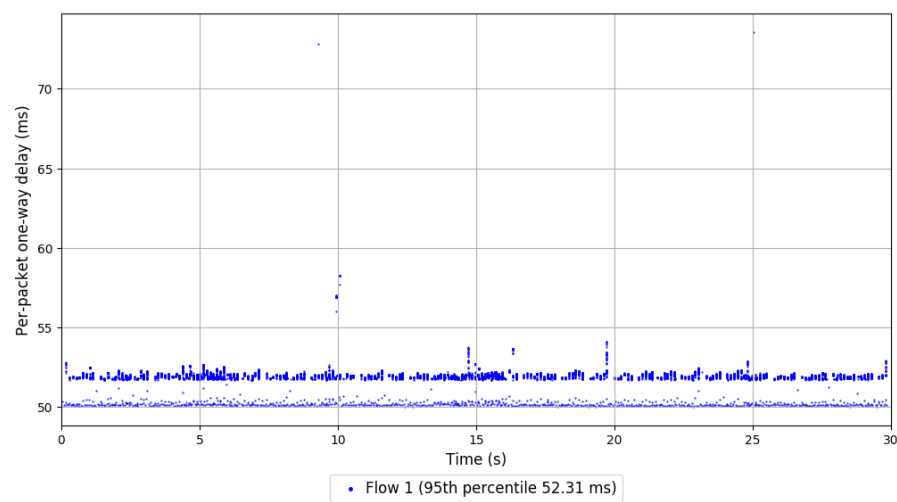
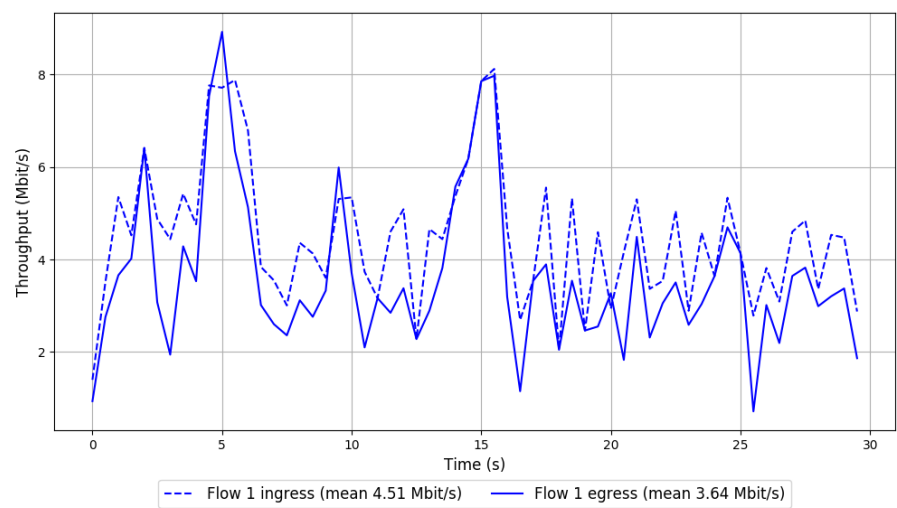
-- Flow 1:

Average throughput: 3.64 Mbit/s

95th percentile per-packet one-way delay: 52.310 ms

Loss rate: 19.45%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: Sun, 06 Aug 2017 02:06:53 +0000

End at: Sun, 06 Aug 2017 02:07:23 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:49:23 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.23 Mbit/s

95th percentile per-packet one-way delay: 52.263 ms

Loss rate: 25.24%

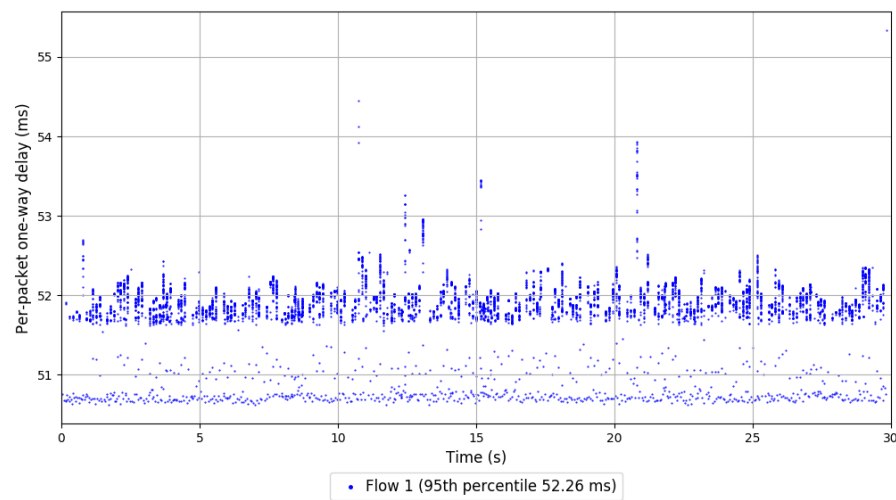
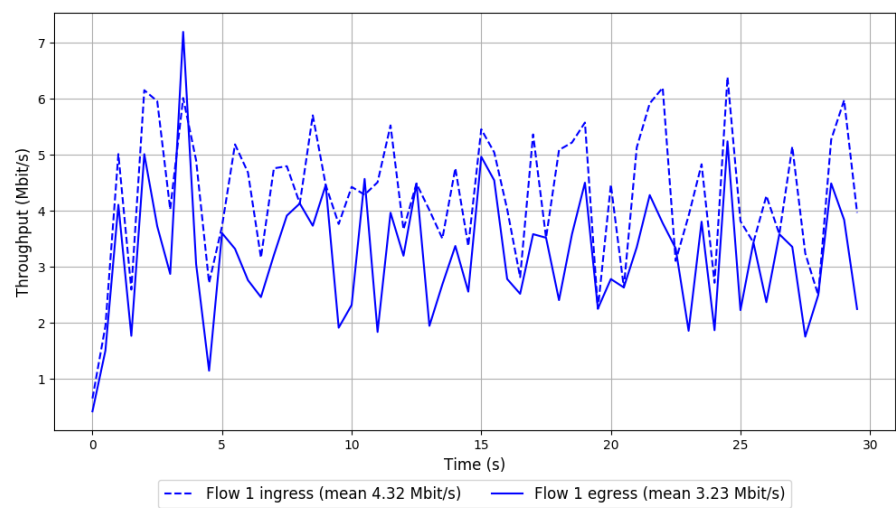
-- Flow 1:

Average throughput: 3.23 Mbit/s

95th percentile per-packet one-way delay: 52.263 ms

Loss rate: 25.24%

Run 10: Report of Sprout — Data Link

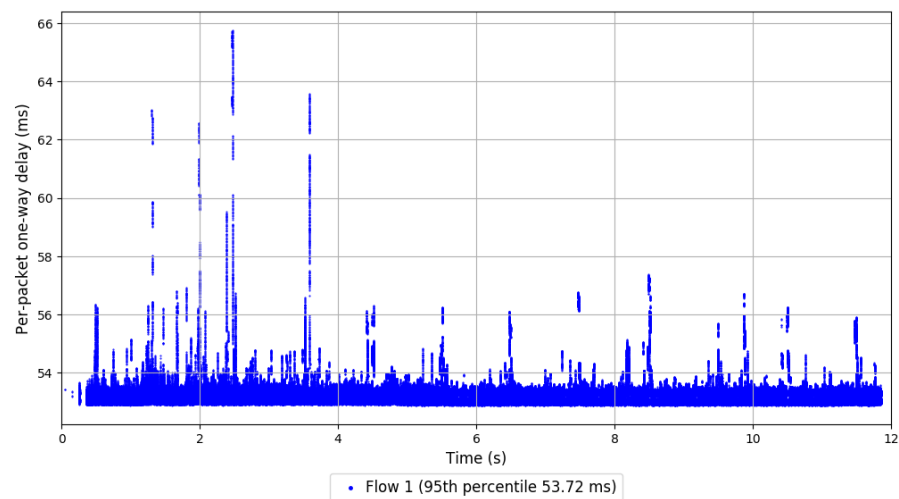
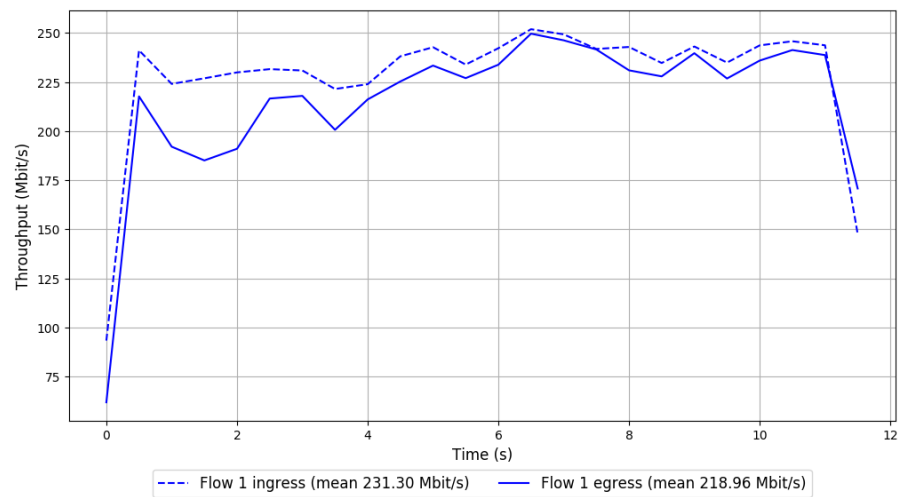


Run 1: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 00:27:59 +0000

End at: Sun, 06 Aug 2017 00:28:29 +0000

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

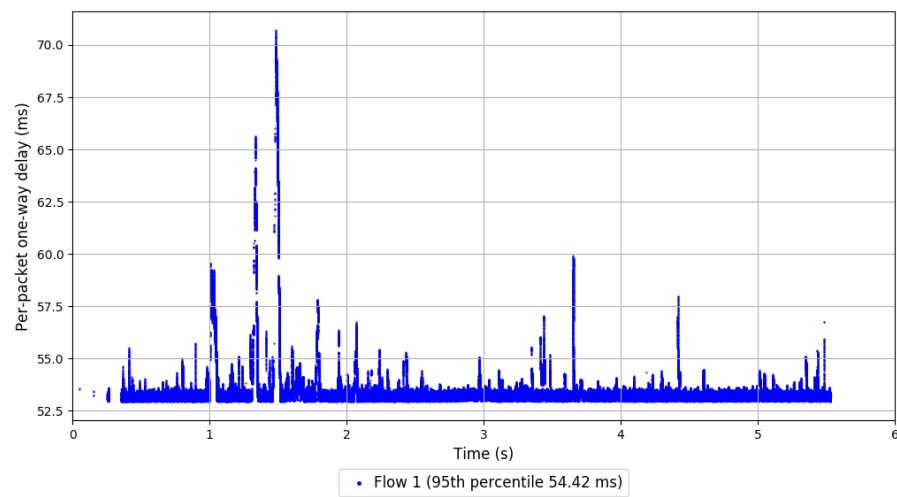
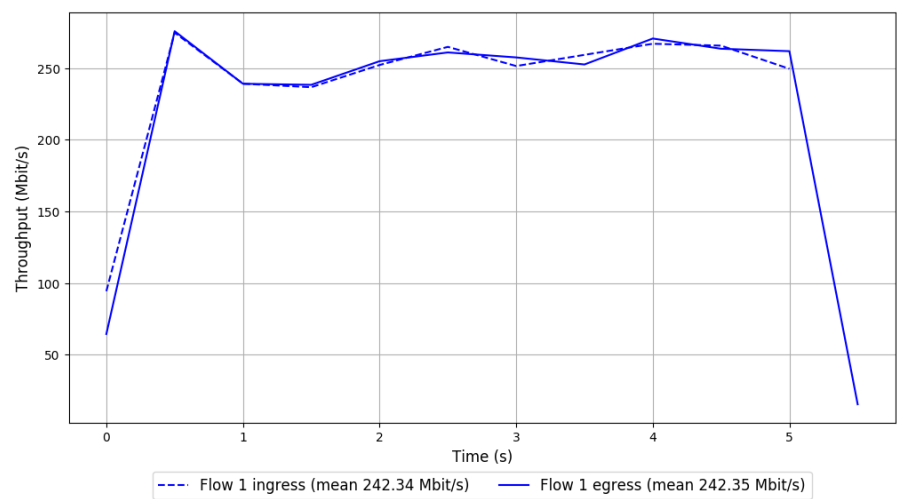


Run 2: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 00:38:28 +0000

End at: Sun, 06 Aug 2017 00:38:58 +0000

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

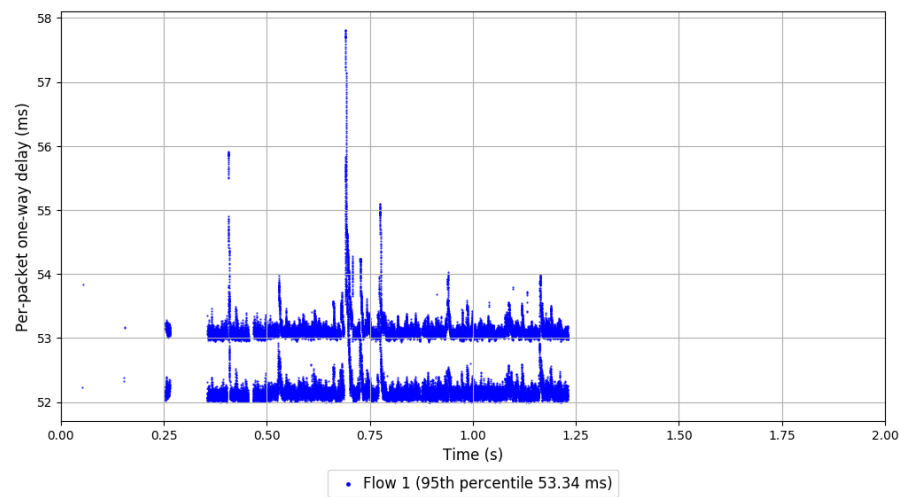
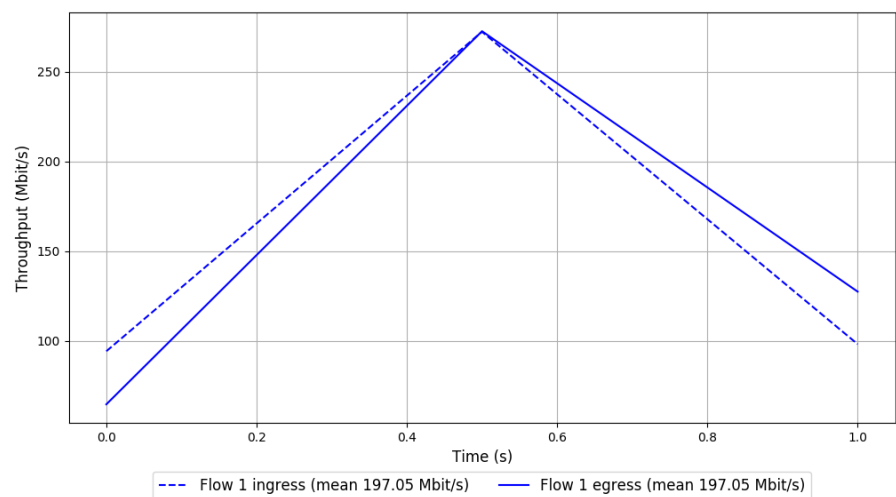


Run 3: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 00:48:54 +0000

End at: Sun, 06 Aug 2017 00:49:24 +0000

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

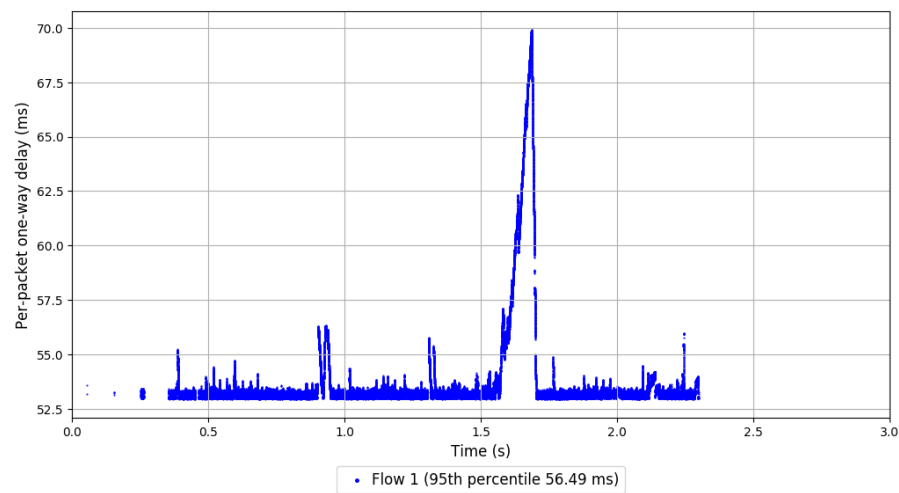
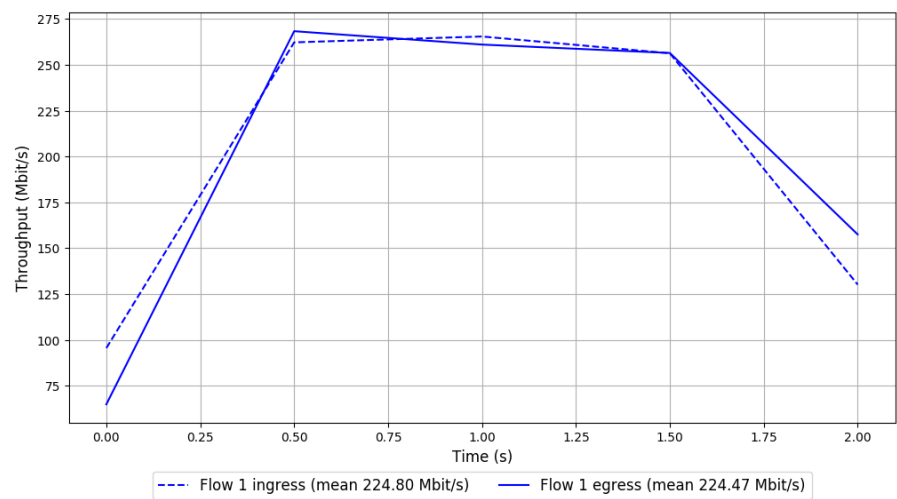


Run 4: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 00:59:15 +0000

End at: Sun, 06 Aug 2017 00:59:45 +0000

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



Run 5: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 01:09:23 +0000

End at: Sun, 06 Aug 2017 01:09:53 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:50:40 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.26 Mbit/s

95th percentile per-packet one-way delay: 52.852 ms

Loss rate: 0.24%

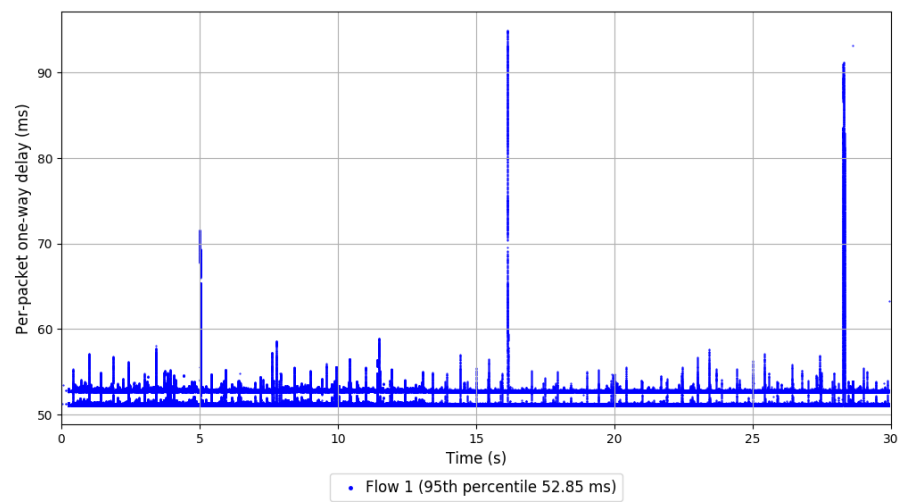
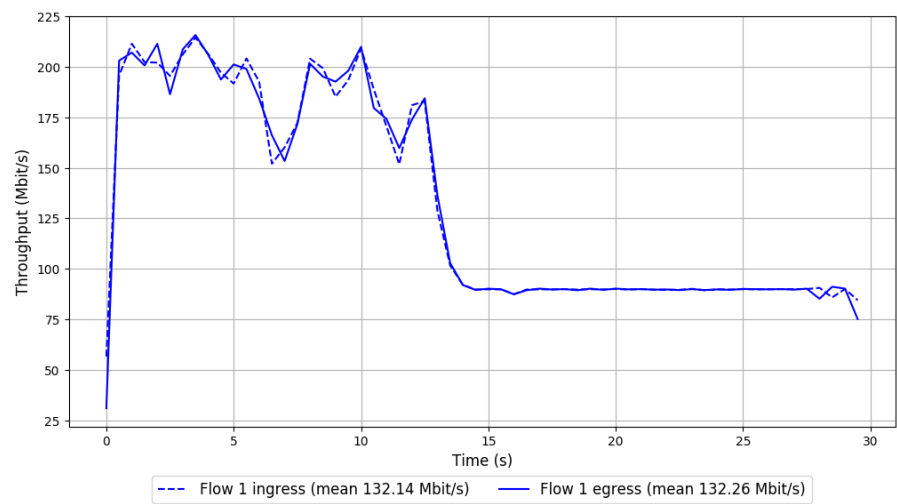
-- Flow 1:

Average throughput: 132.26 Mbit/s

95th percentile per-packet one-way delay: 52.852 ms

Loss rate: 0.24%

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

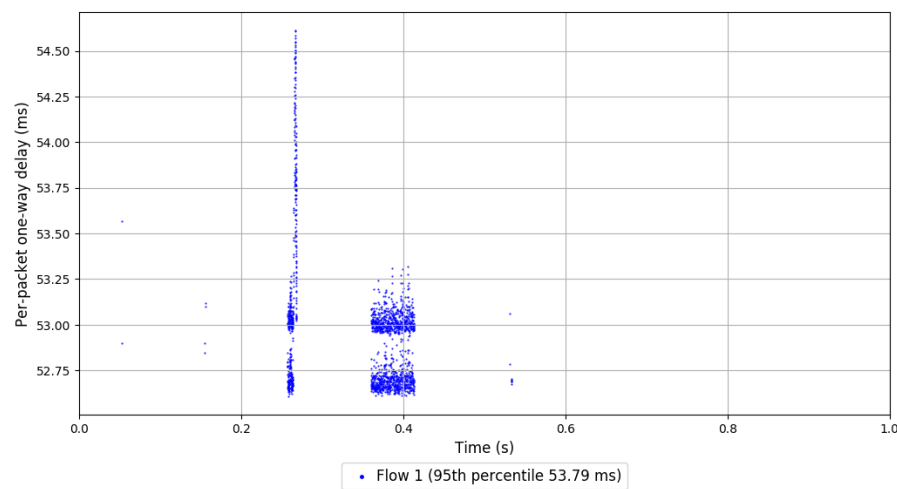
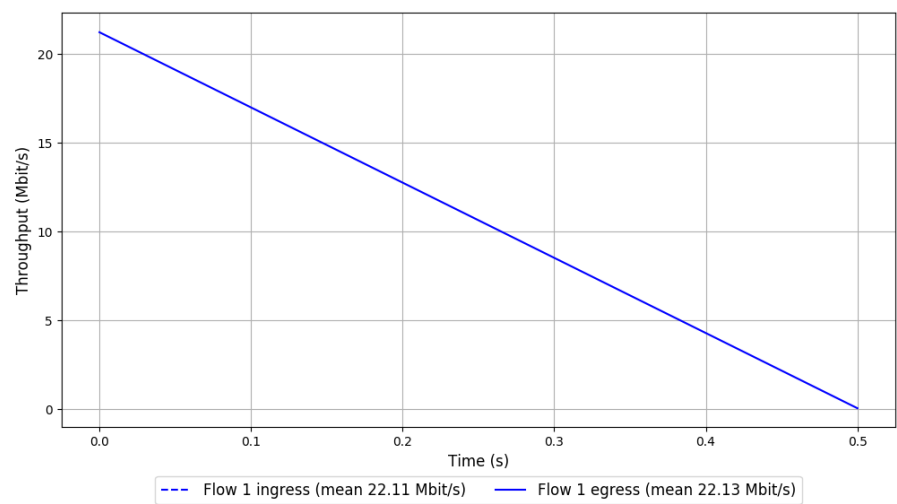


Run 6: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 01:19:54 +0000

End at: Sun, 06 Aug 2017 01:20:24 +0000

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

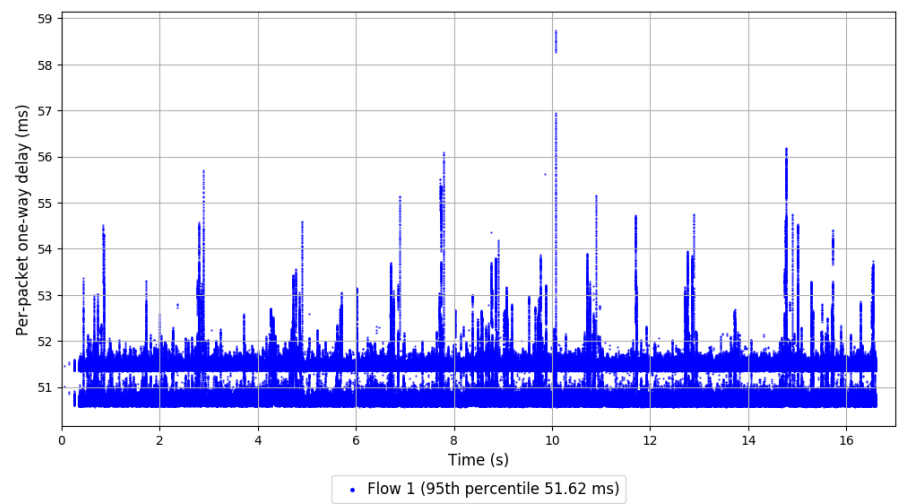
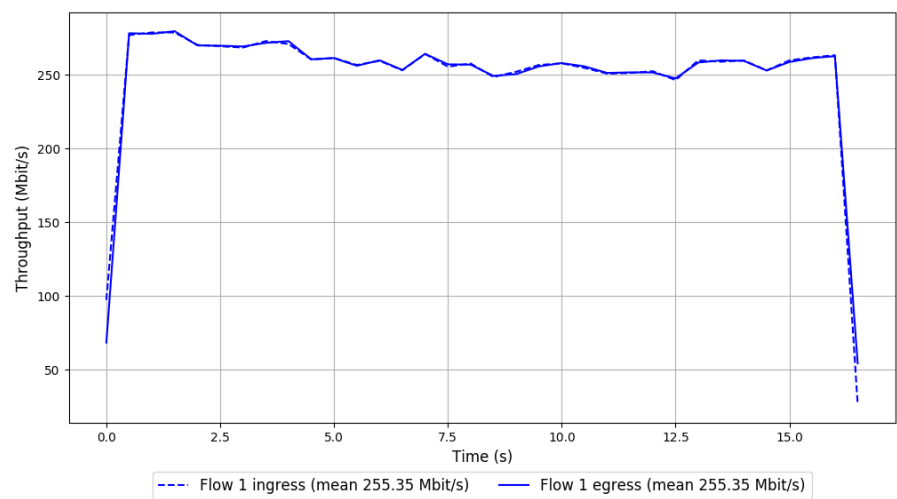


Run 7: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 01:30:23 +0000

End at: Sun, 06 Aug 2017 01:30:53 +0000

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

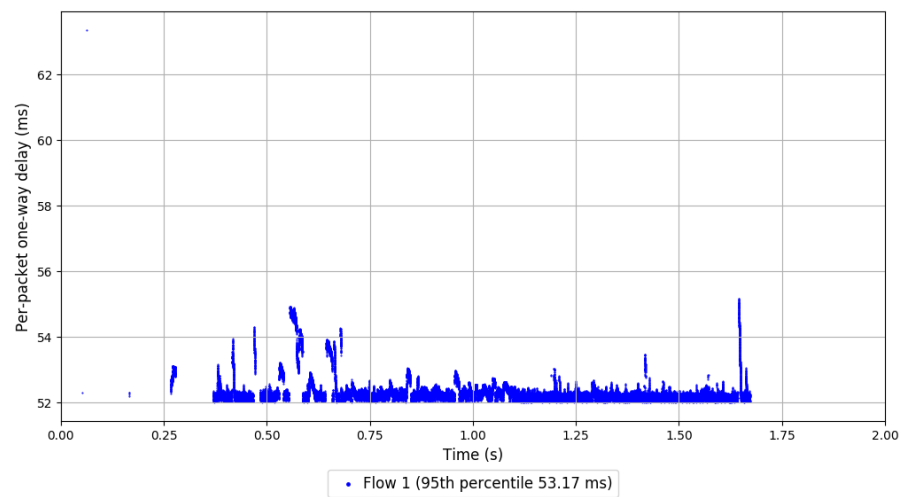
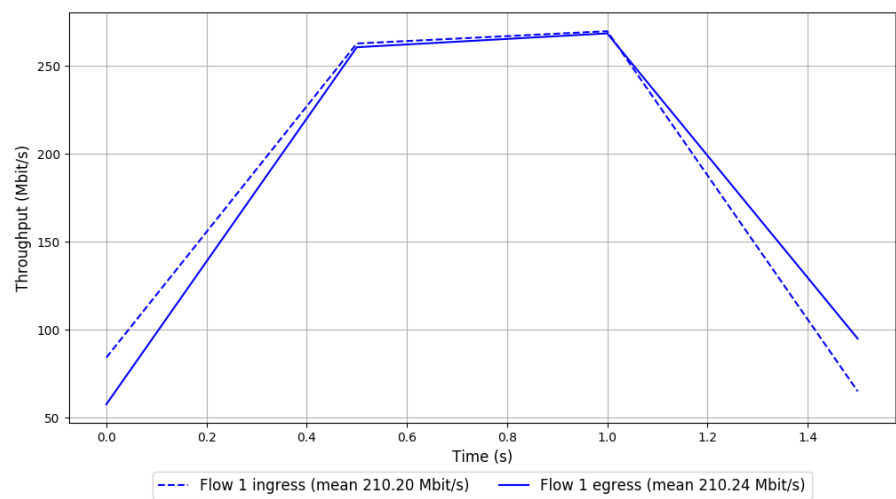


Run 8: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 01:41:13 +0000

End at: Sun, 06 Aug 2017 01:41:43 +0000

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

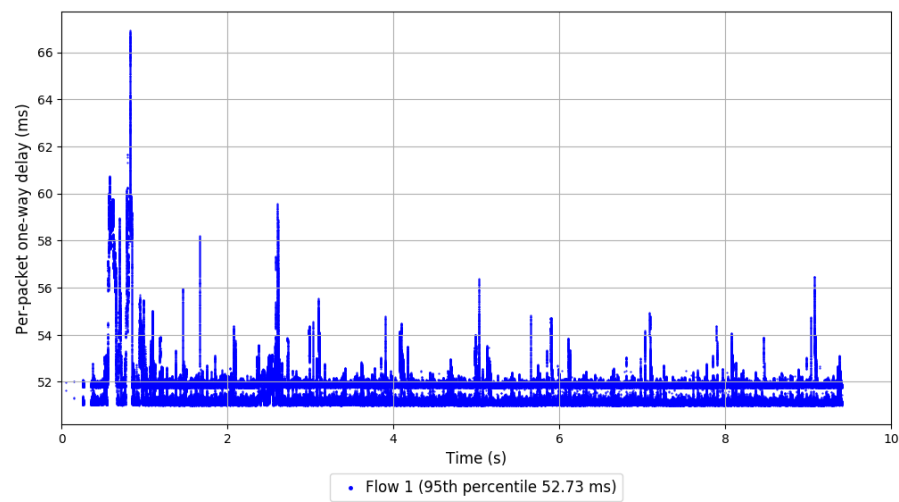
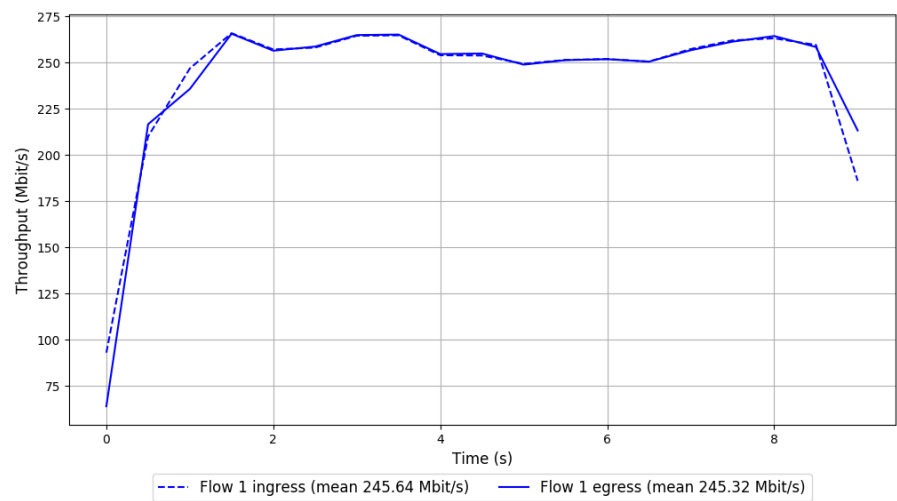


Run 9: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 01:51:31 +0000

End at: Sun, 06 Aug 2017 01:52:01 +0000

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

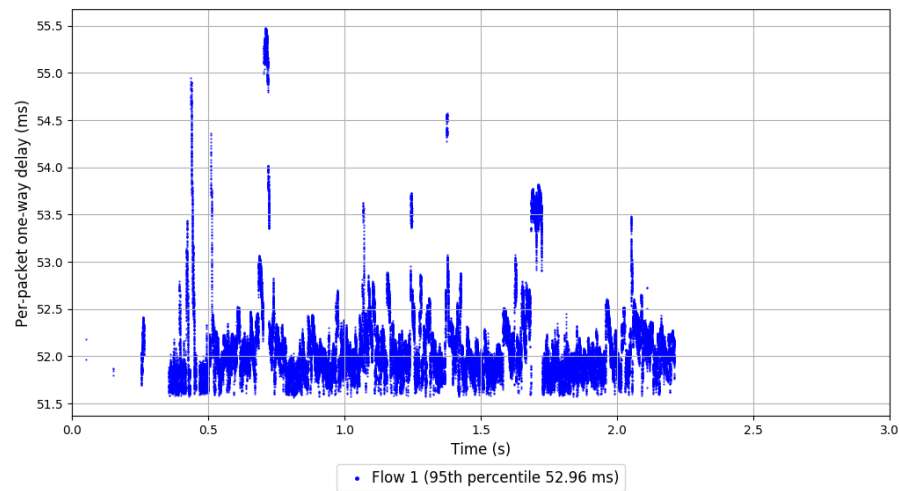
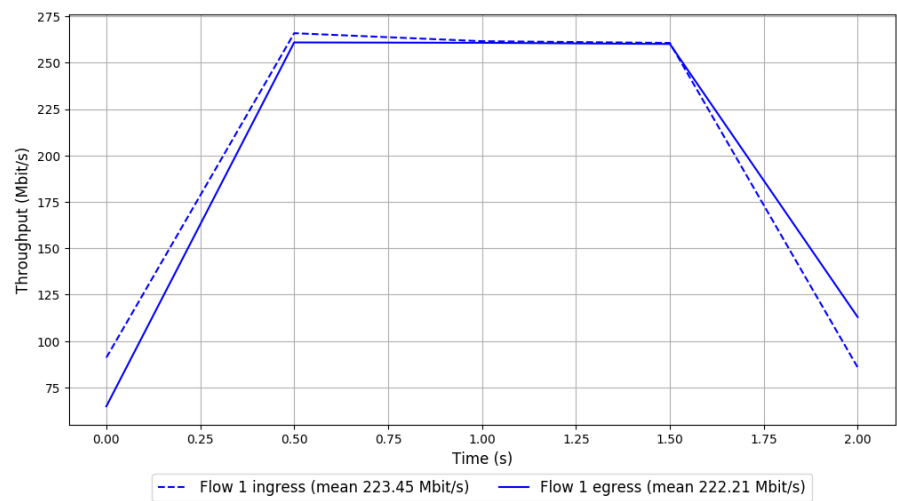


Run 10: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 02:02:06 +0000

End at: Sun, 06 Aug 2017 02:02:36 +0000

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



Run 1: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 00:31:26 +0000

End at: Sun, 06 Aug 2017 00:31:56 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:51:12 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.61 Mbit/s

95th percentile per-packet one-way delay: 53.977 ms

Loss rate: 0.31%

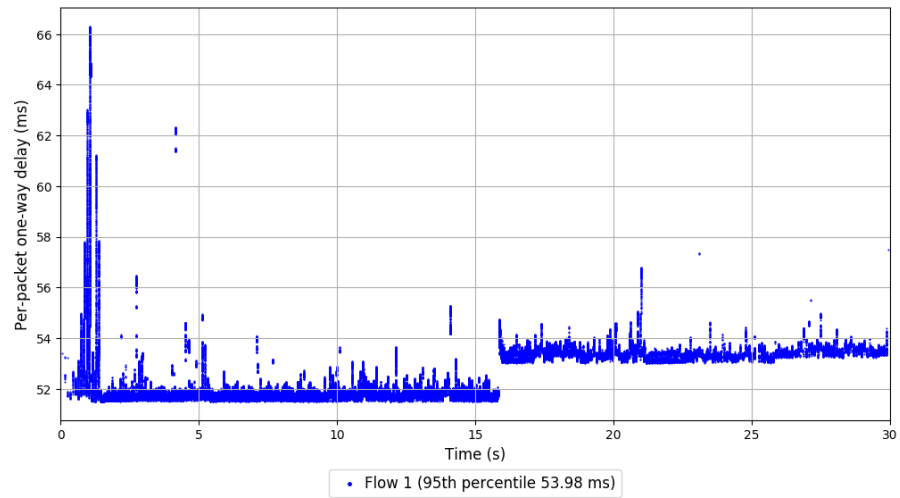
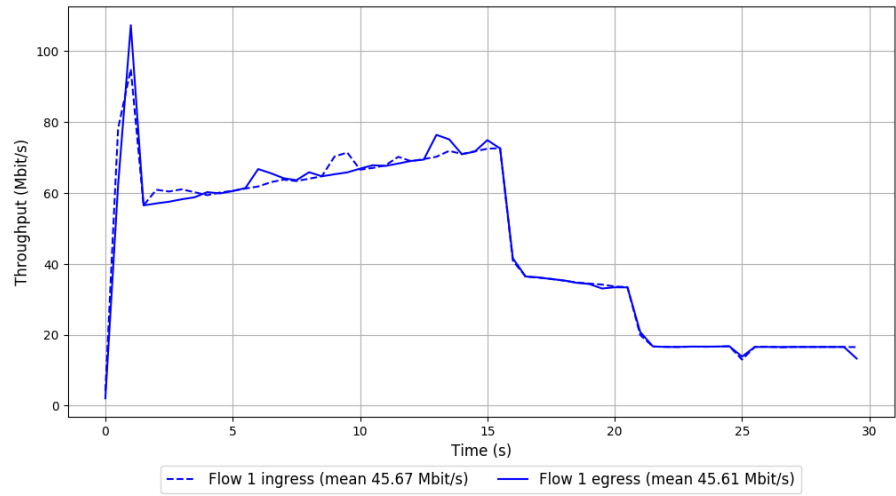
-- Flow 1:

Average throughput: 45.61 Mbit/s

95th percentile per-packet one-way delay: 53.977 ms

Loss rate: 0.31%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 00:41:46 +0000

End at: Sun, 06 Aug 2017 00:42:16 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:51:12 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.97 Mbit/s

95th percentile per-packet one-way delay: 55.443 ms

Loss rate: 0.55%

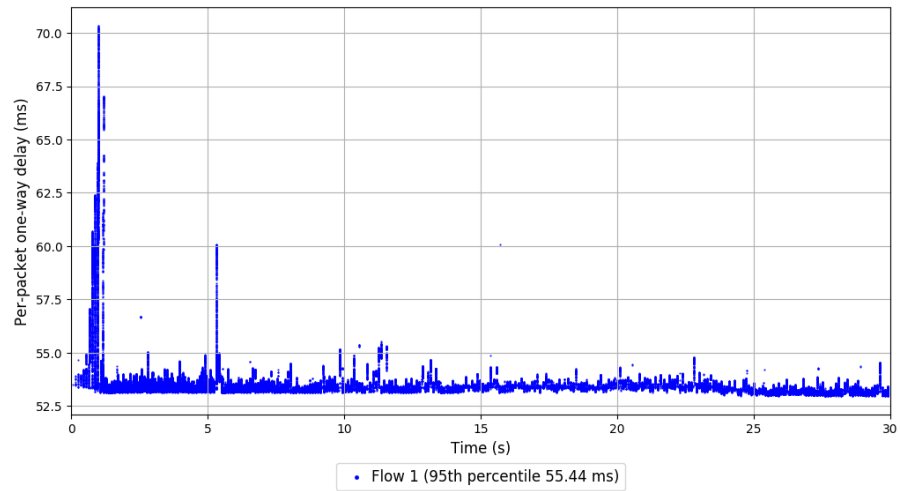
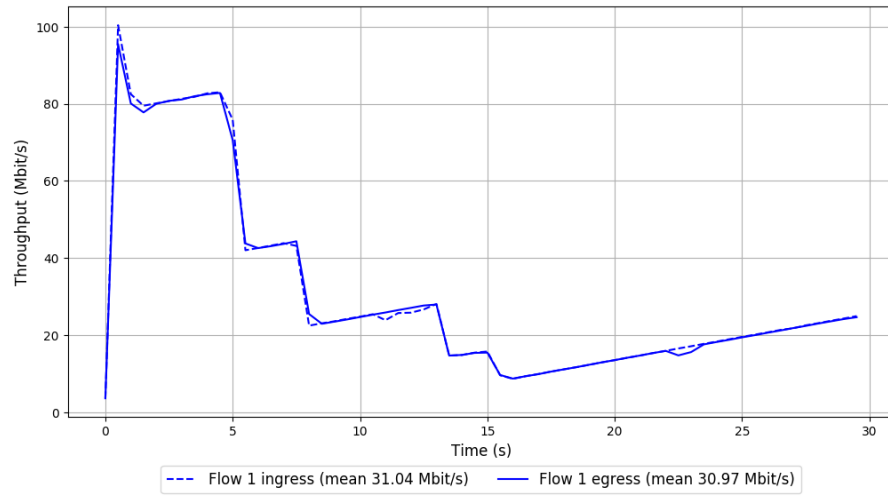
-- Flow 1:

Average throughput: 30.97 Mbit/s

95th percentile per-packet one-way delay: 55.443 ms

Loss rate: 0.55%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 00:52:03 +0000

End at: Sun, 06 Aug 2017 00:52:33 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:51:13 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.70 Mbit/s

95th percentile per-packet one-way delay: 53.367 ms

Loss rate: 2.64%

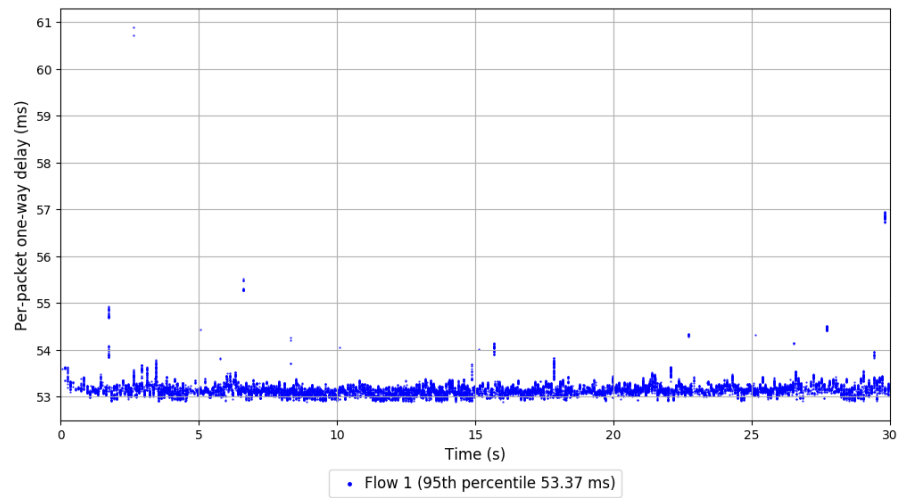
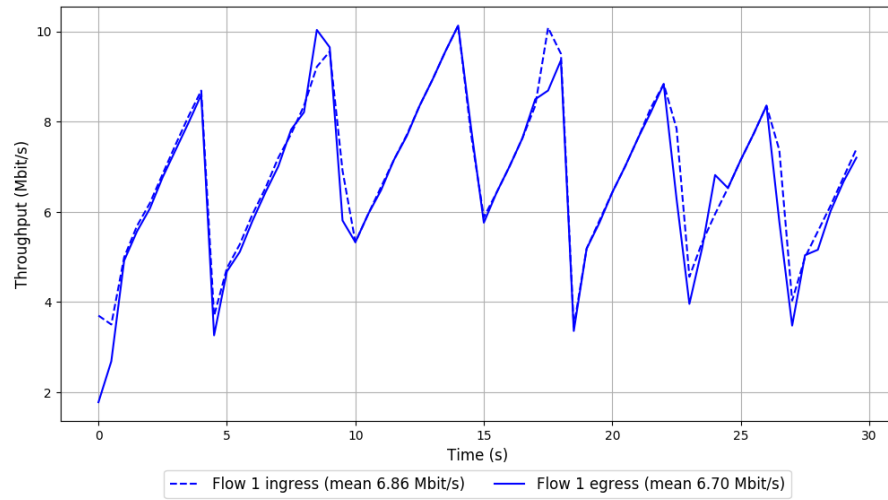
-- Flow 1:

Average throughput: 6.70 Mbit/s

95th percentile per-packet one-way delay: 53.367 ms

Loss rate: 2.64%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 01:02:26 +0000

End at: Sun, 06 Aug 2017 01:02:56 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:51:21 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.51 Mbit/s

95th percentile per-packet one-way delay: 54.229 ms

Loss rate: 0.45%

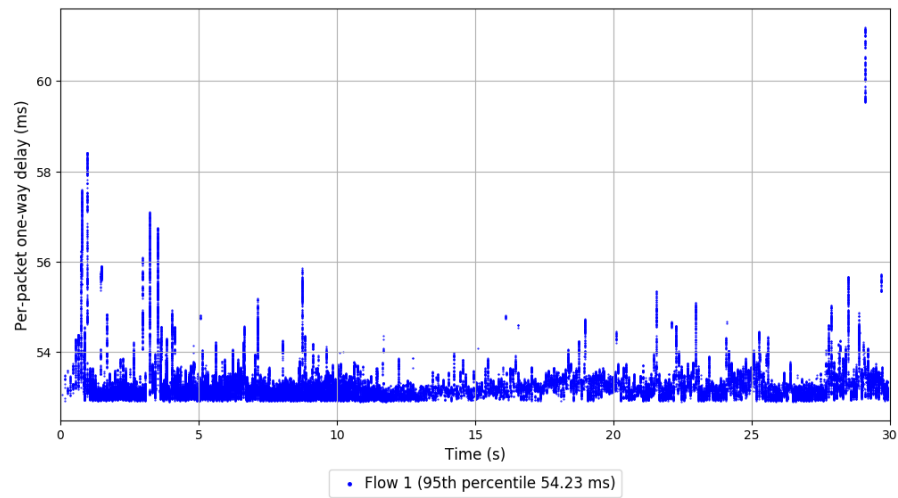
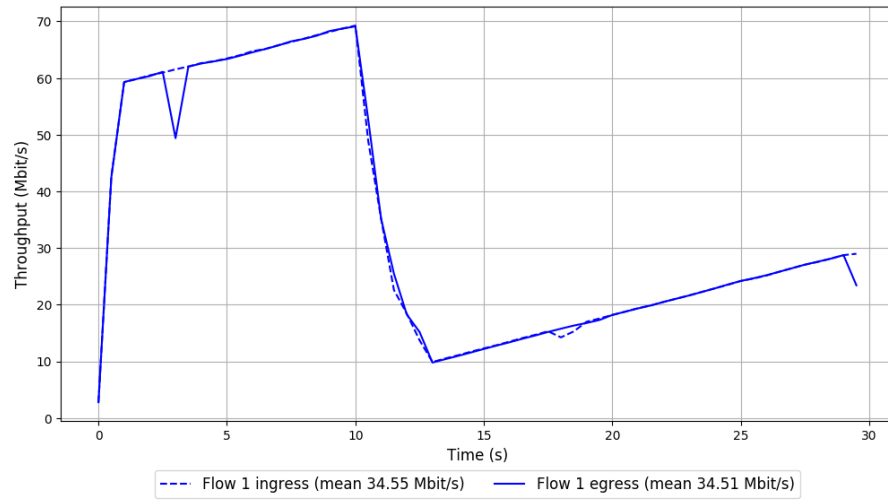
-- Flow 1:

Average throughput: 34.51 Mbit/s

95th percentile per-packet one-way delay: 54.229 ms

Loss rate: 0.45%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 01:12:45 +0000

End at: Sun, 06 Aug 2017 01:13:15 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:51:21 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.23 Mbit/s

95th percentile per-packet one-way delay: 53.406 ms

Loss rate: 2.21%

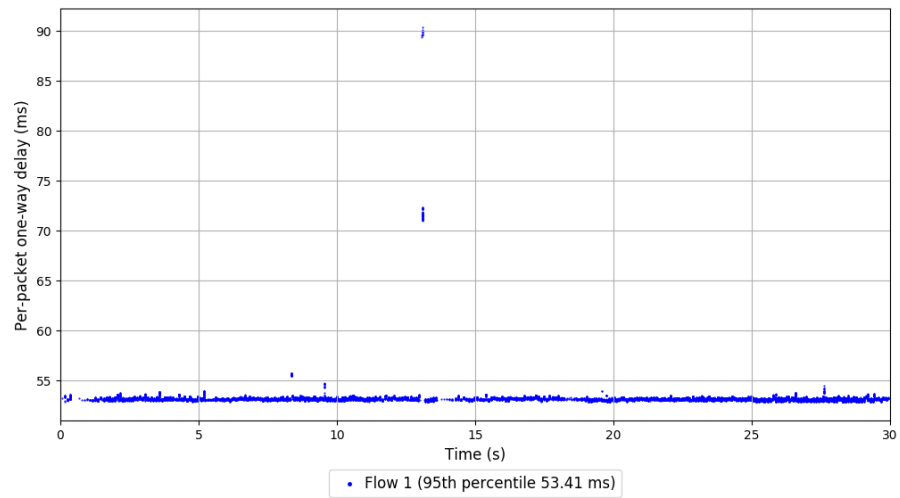
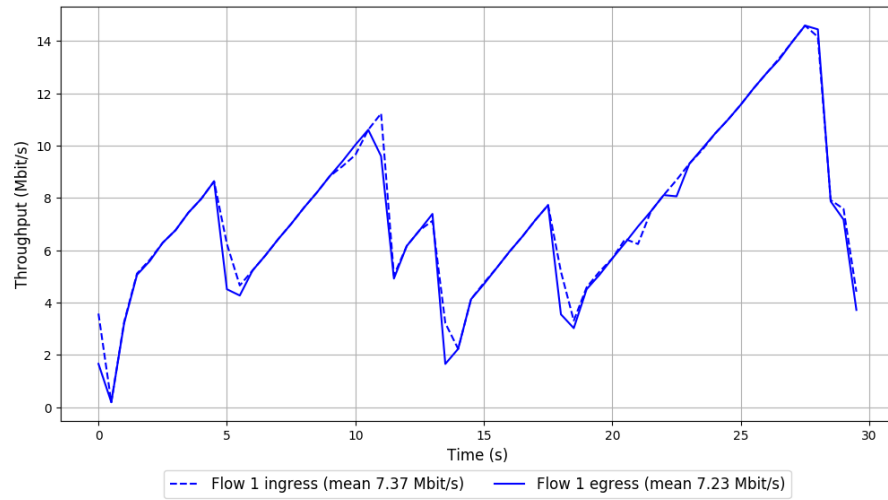
-- Flow 1:

Average throughput: 7.23 Mbit/s

95th percentile per-packet one-way delay: 53.406 ms

Loss rate: 2.21%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 01:23:10 +0000

End at: Sun, 06 Aug 2017 01:23:40 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:51:21 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.03 Mbit/s

95th percentile per-packet one-way delay: 53.451 ms

Loss rate: 0.36%

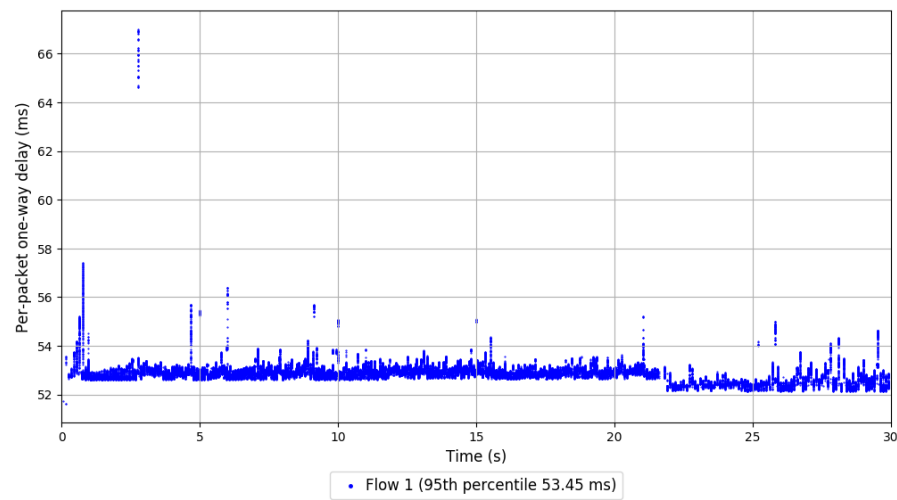
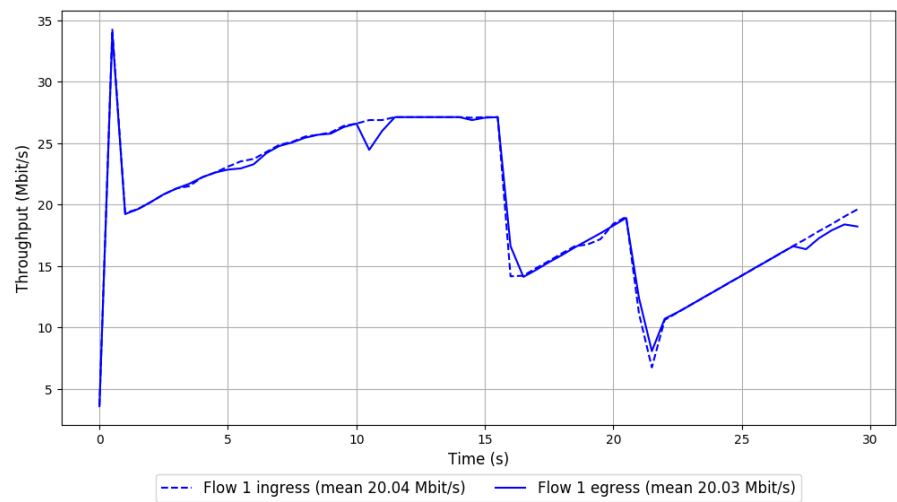
-- Flow 1:

Average throughput: 20.03 Mbit/s

95th percentile per-packet one-way delay: 53.451 ms

Loss rate: 0.36%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 01:33:55 +0000

End at: Sun, 06 Aug 2017 01:34:25 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:51:37 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.44 Mbit/s

95th percentile per-packet one-way delay: 53.589 ms

Loss rate: 0.24%

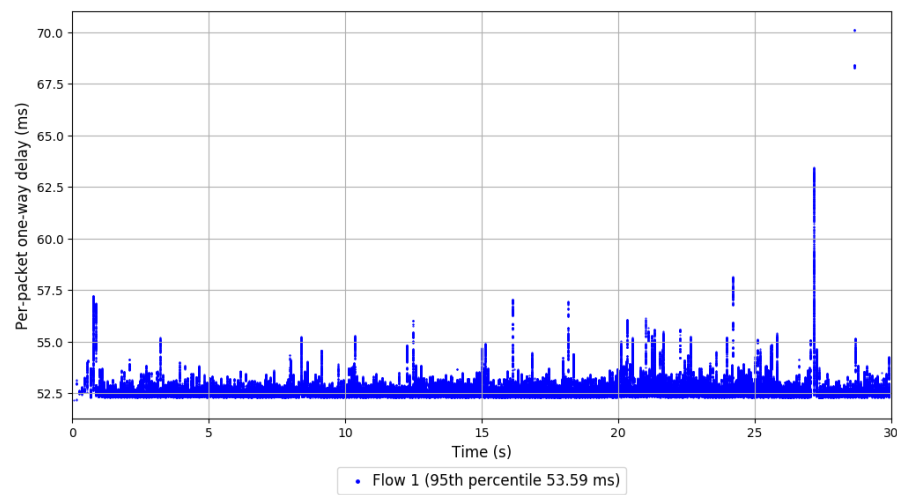
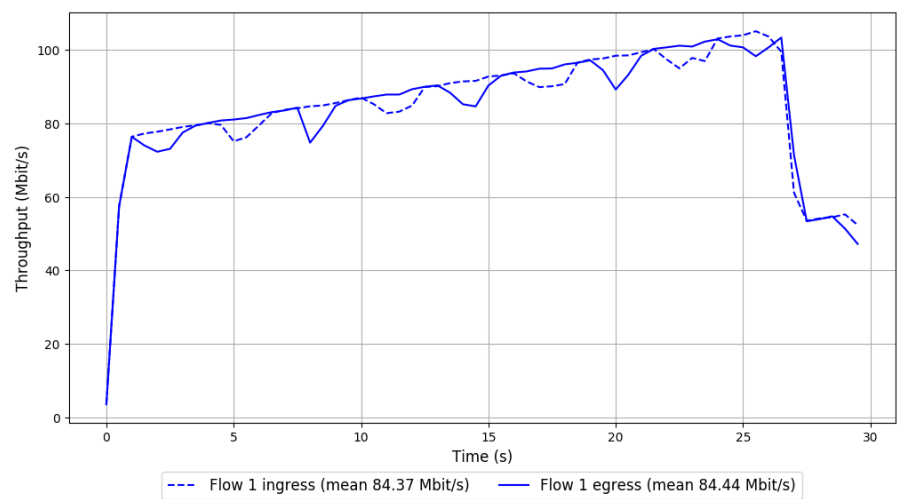
-- Flow 1:

Average throughput: 84.44 Mbit/s

95th percentile per-packet one-way delay: 53.589 ms

Loss rate: 0.24%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 01:44:33 +0000

End at: Sun, 06 Aug 2017 01:45:03 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:51:38 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.46 Mbit/s

95th percentile per-packet one-way delay: 53.000 ms

Loss rate: 1.87%

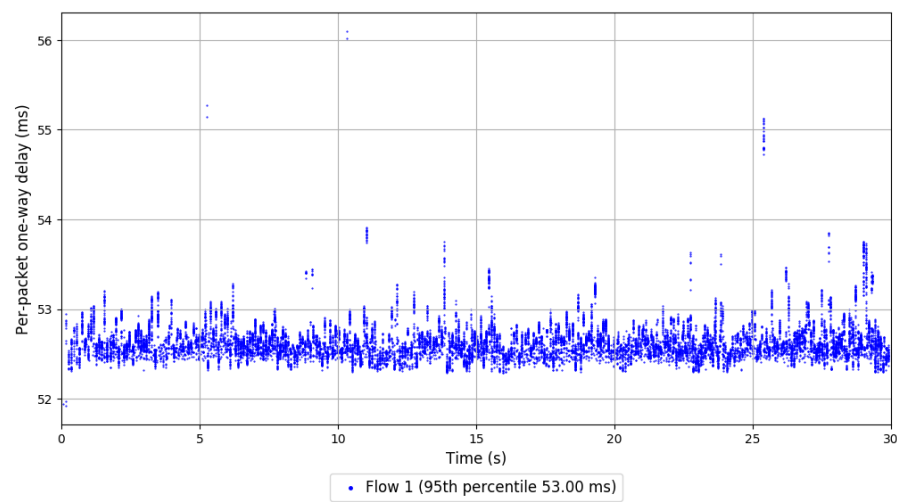
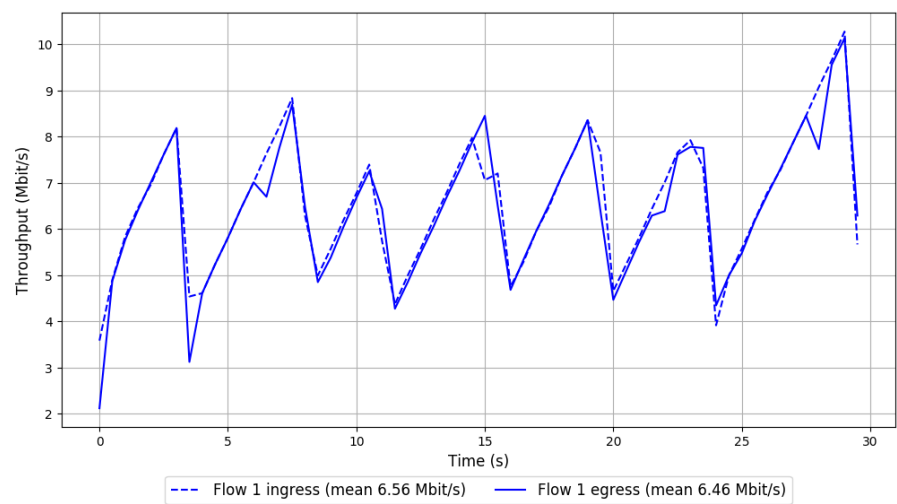
-- Flow 1:

Average throughput: 6.46 Mbit/s

95th percentile per-packet one-way delay: 53.000 ms

Loss rate: 1.87%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 01:54:50 +0000

End at: Sun, 06 Aug 2017 01:55:20 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:51:38 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.16 Mbit/s

95th percentile per-packet one-way delay: 52.304 ms

Loss rate: 0.29%

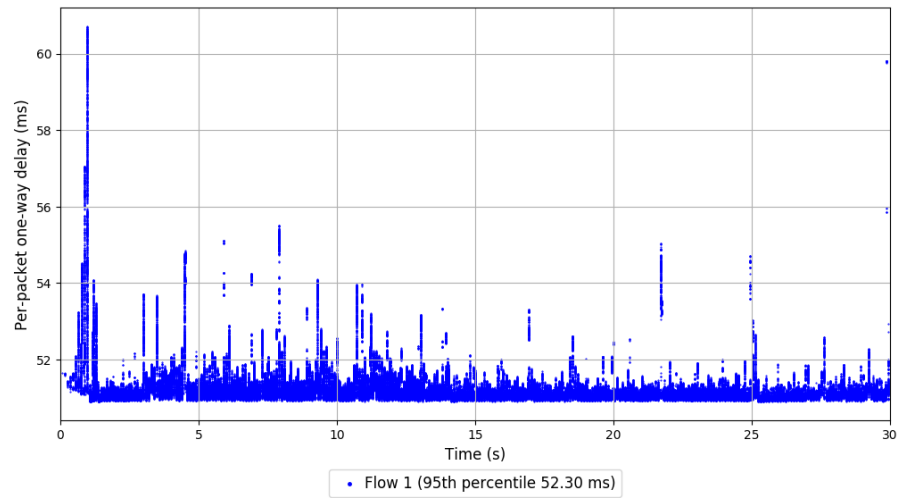
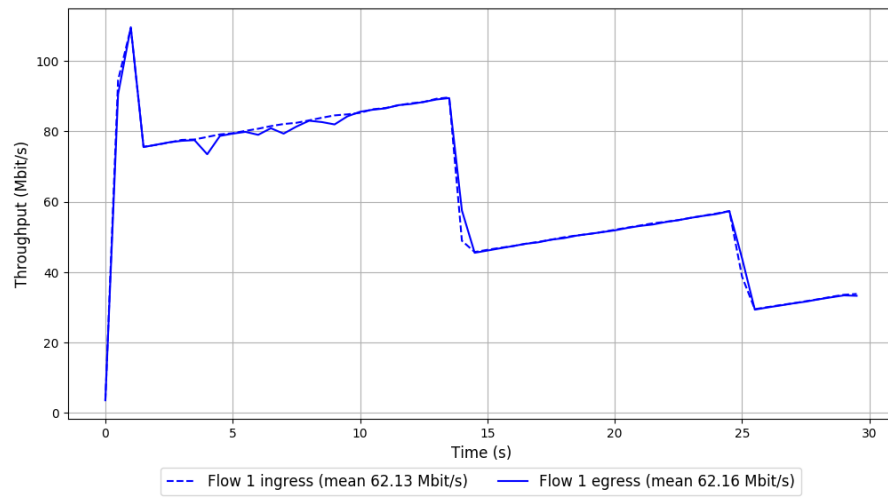
-- Flow 1:

Average throughput: 62.16 Mbit/s

95th percentile per-packet one-way delay: 52.304 ms

Loss rate: 0.29%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 02:05:26 +0000

End at: Sun, 06 Aug 2017 02:05:56 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:51:46 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.97 Mbit/s

95th percentile per-packet one-way delay: 52.716 ms

Loss rate: 0.40%

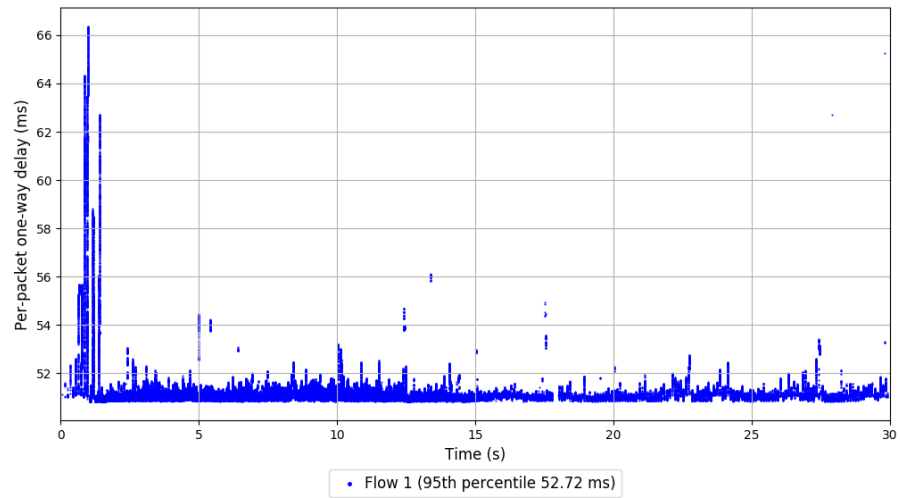
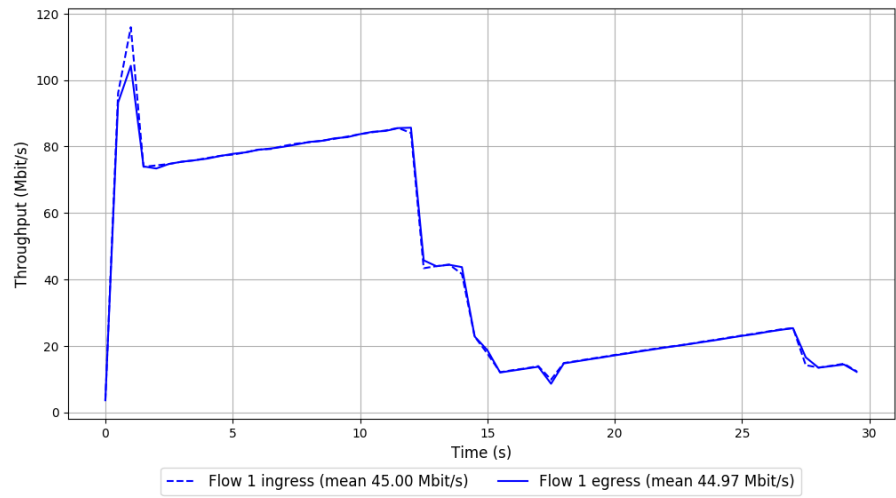
-- Flow 1:

Average throughput: 44.97 Mbit/s

95th percentile per-packet one-way delay: 52.716 ms

Loss rate: 0.40%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: Sun, 06 Aug 2017 00:29:21 +0000

End at: Sun, 06 Aug 2017 00:29:51 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:52:10 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 158.17 Mbit/s

95th percentile per-packet one-way delay: 80.001 ms

Loss rate: 0.67%

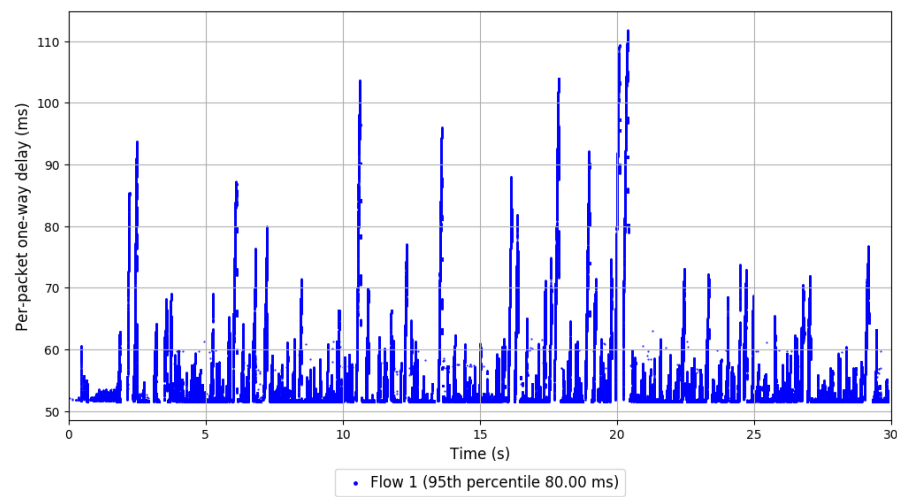
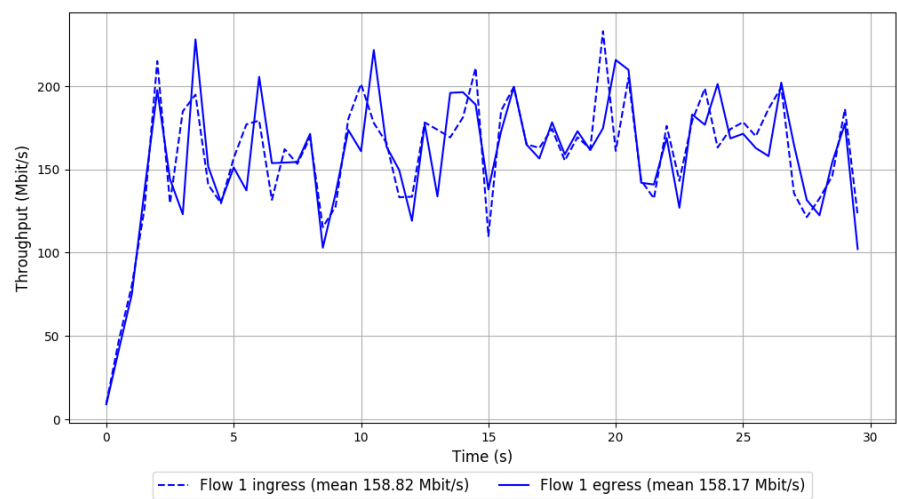
-- Flow 1:

Average throughput: 158.17 Mbit/s

95th percentile per-packet one-way delay: 80.001 ms

Loss rate: 0.67%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: Sun, 06 Aug 2017 00:39:46 +0000

End at: Sun, 06 Aug 2017 00:40:16 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:52:14 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.64 Mbit/s

95th percentile per-packet one-way delay: 80.286 ms

Loss rate: 2.96%

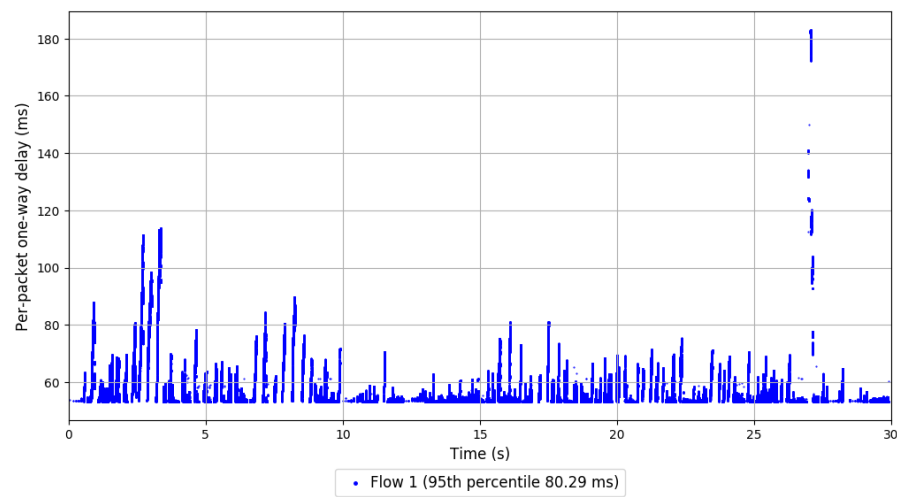
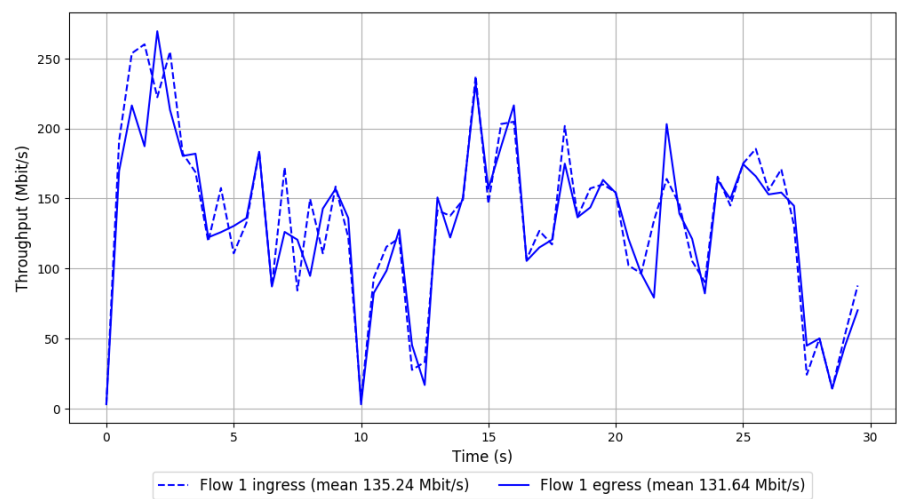
-- Flow 1:

Average throughput: 131.64 Mbit/s

95th percentile per-packet one-way delay: 80.286 ms

Loss rate: 2.96%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: Sun, 06 Aug 2017 00:50:08 +0000

End at: Sun, 06 Aug 2017 00:50:38 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:52:18 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.85 Mbit/s

95th percentile per-packet one-way delay: 59.695 ms

Loss rate: 79.08%

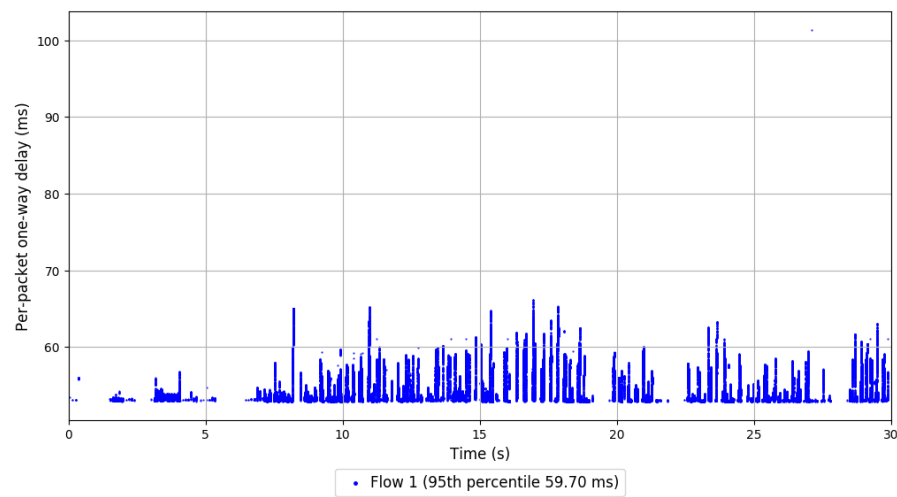
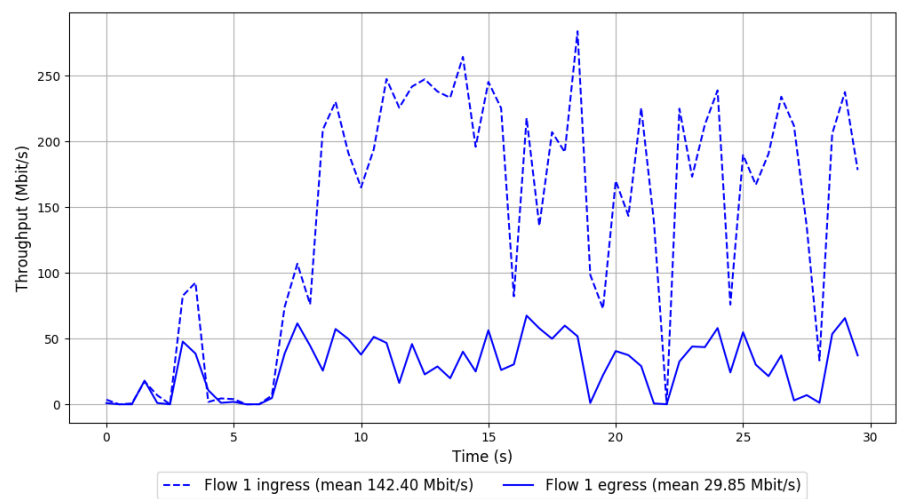
-- Flow 1:

Average throughput: 29.85 Mbit/s

95th percentile per-packet one-way delay: 59.695 ms

Loss rate: 79.08%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: Sun, 06 Aug 2017 01:00:30 +0000

End at: Sun, 06 Aug 2017 01:01:00 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:52:27 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 37.20 Mbit/s

95th percentile per-packet one-way delay: 59.292 ms

Loss rate: 76.25%

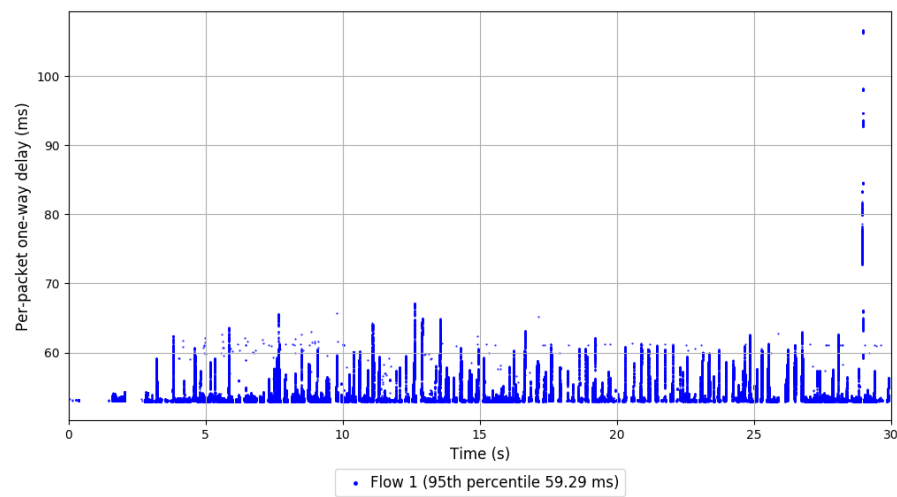
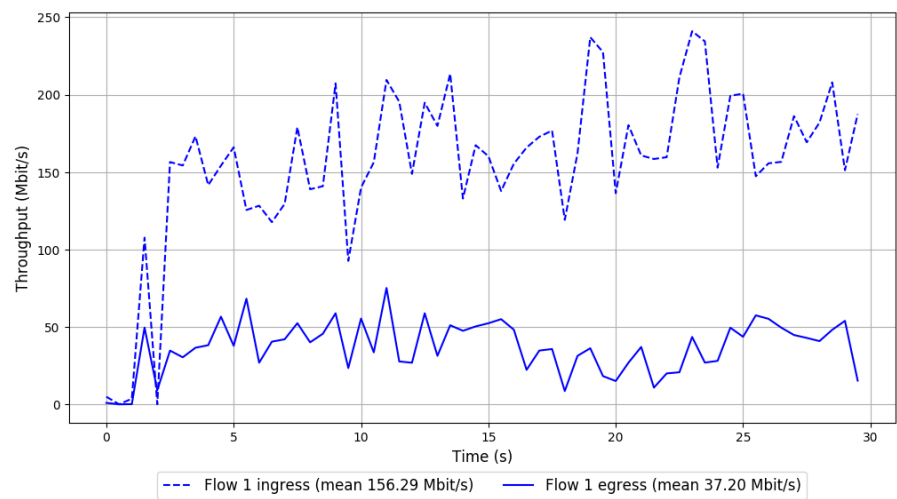
-- Flow 1:

Average throughput: 37.20 Mbit/s

95th percentile per-packet one-way delay: 59.292 ms

Loss rate: 76.25%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: Sun, 06 Aug 2017 01:10:47 +0000

End at: Sun, 06 Aug 2017 01:11:17 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:52:31 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.54 Mbit/s

95th percentile per-packet one-way delay: 60.816 ms

Loss rate: 80.13%

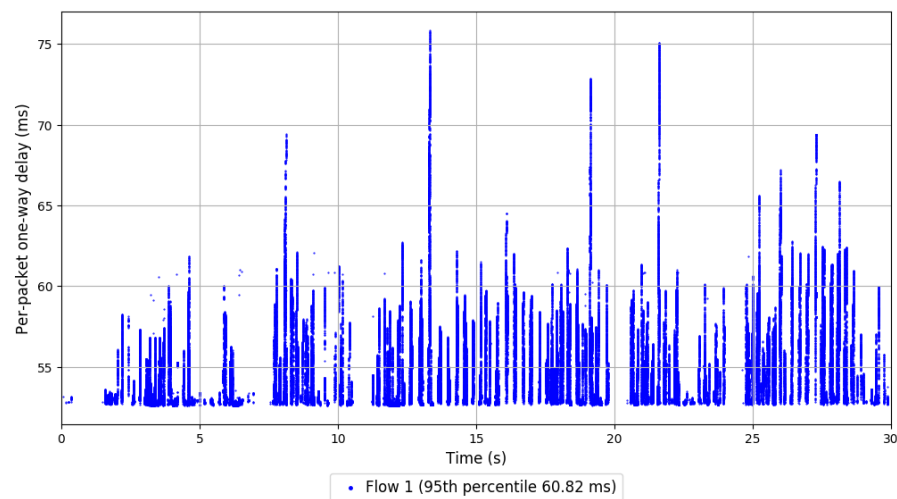
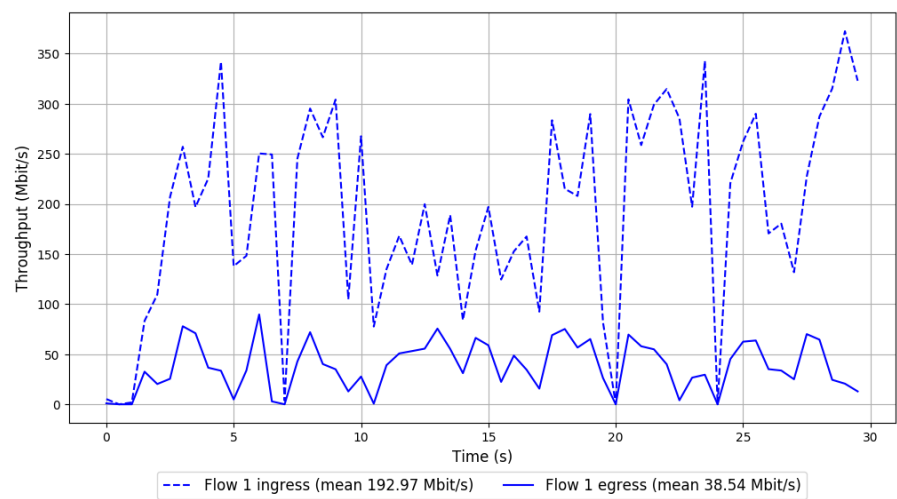
-- Flow 1:

Average throughput: 38.54 Mbit/s

95th percentile per-packet one-way delay: 60.816 ms

Loss rate: 80.13%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: Sun, 06 Aug 2017 01:21:08 +0000

End at: Sun, 06 Aug 2017 01:21:38 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:52:54 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.02 Mbit/s

95th percentile per-packet one-way delay: 65.146 ms

Loss rate: 2.42%

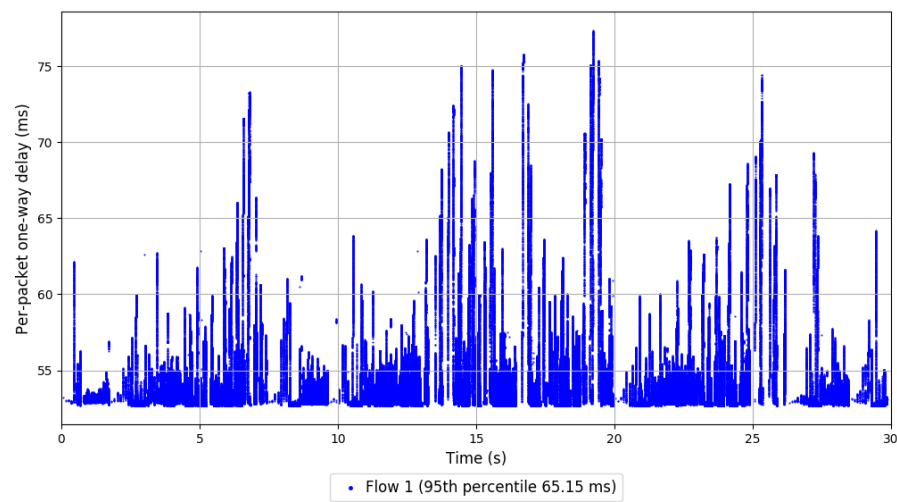
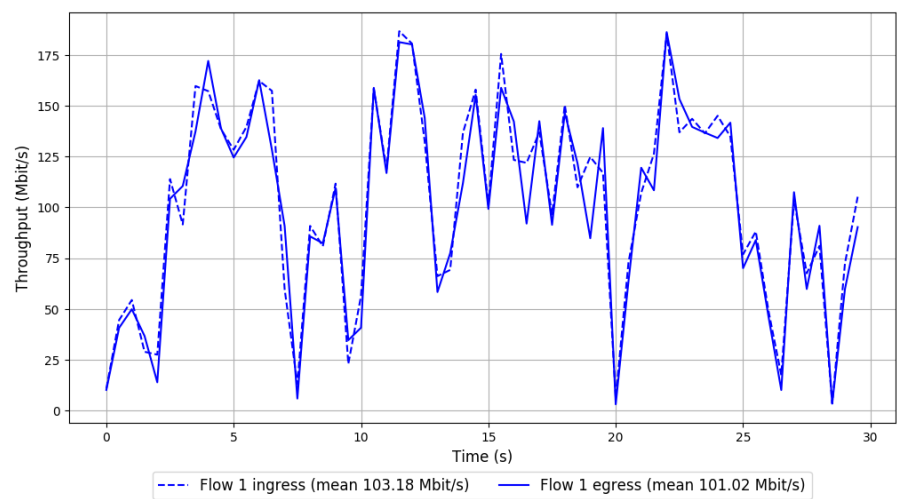
-- Flow 1:

Average throughput: 101.02 Mbit/s

95th percentile per-packet one-way delay: 65.146 ms

Loss rate: 2.42%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: Sun, 06 Aug 2017 01:31:50 +0000

End at: Sun, 06 Aug 2017 01:32:20 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:52:58 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 151.01 Mbit/s

95th percentile per-packet one-way delay: 72.031 ms

Loss rate: 4.06%

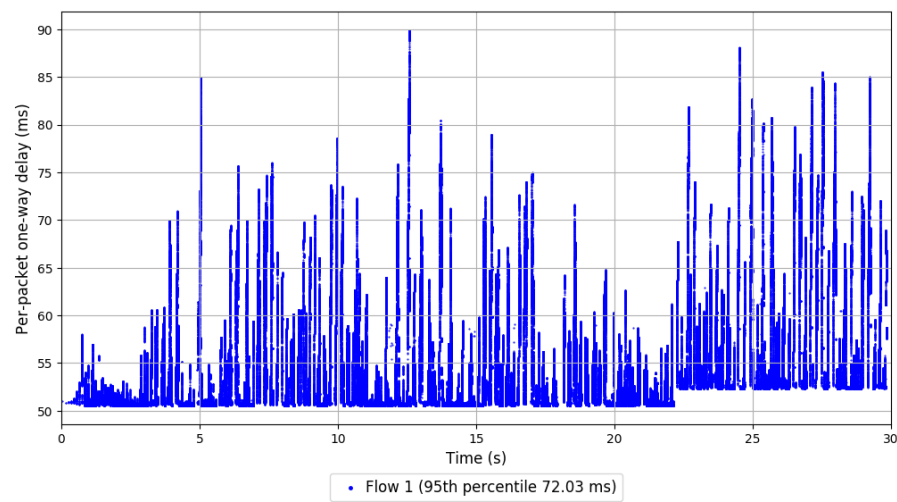
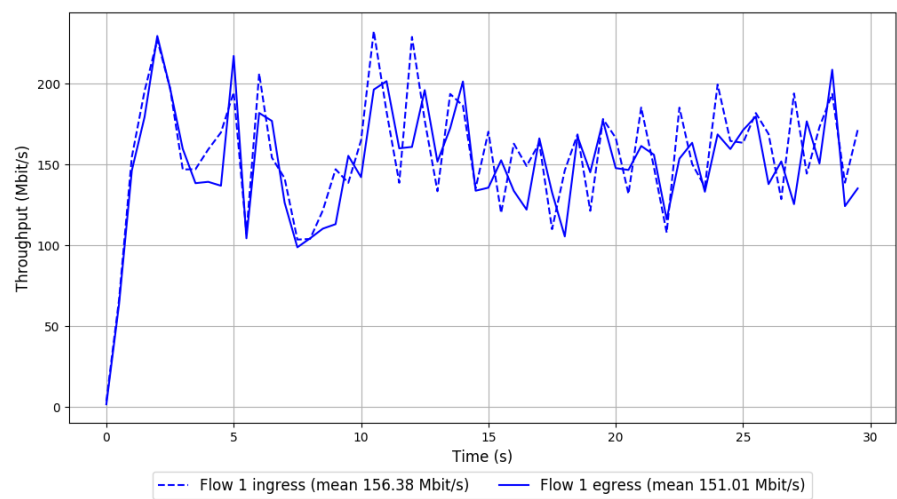
-- Flow 1:

Average throughput: 151.01 Mbit/s

95th percentile per-packet one-way delay: 72.031 ms

Loss rate: 4.06%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: Sun, 06 Aug 2017 01:42:28 +0000

End at: Sun, 06 Aug 2017 01:42:58 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:53:22 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 149.36 Mbit/s

95th percentile per-packet one-way delay: 87.115 ms

Loss rate: 1.78%

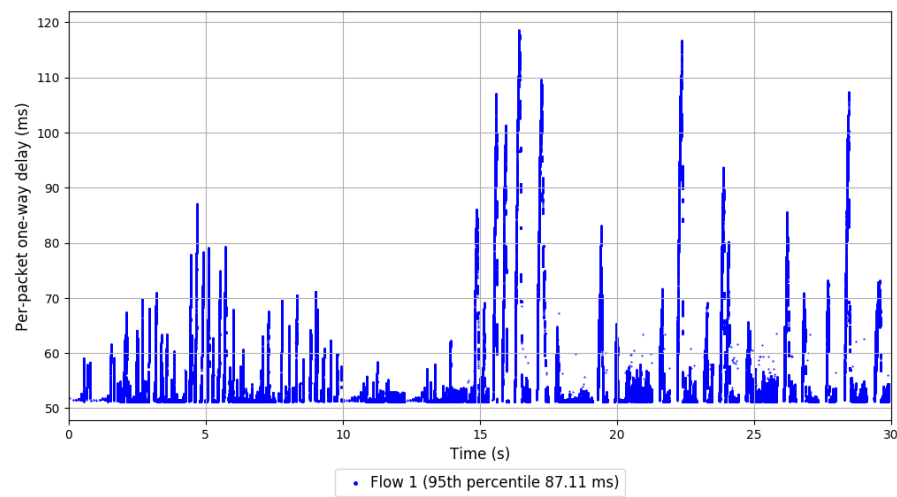
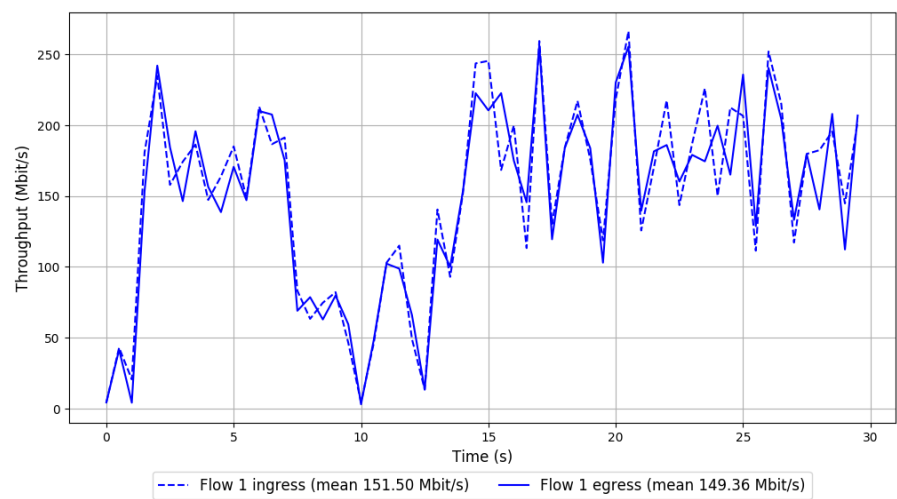
-- Flow 1:

Average throughput: 149.36 Mbit/s

95th percentile per-packet one-way delay: 87.115 ms

Loss rate: 1.78%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: Sun, 06 Aug 2017 01:52:52 +0000

End at: Sun, 06 Aug 2017 01:53:22 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:53:22 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.50 Mbit/s

95th percentile per-packet one-way delay: 55.963 ms

Loss rate: 0.55%

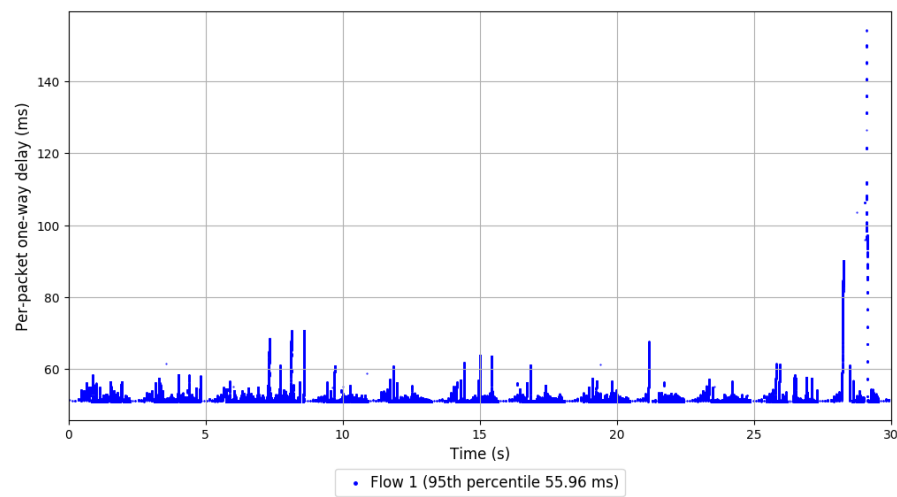
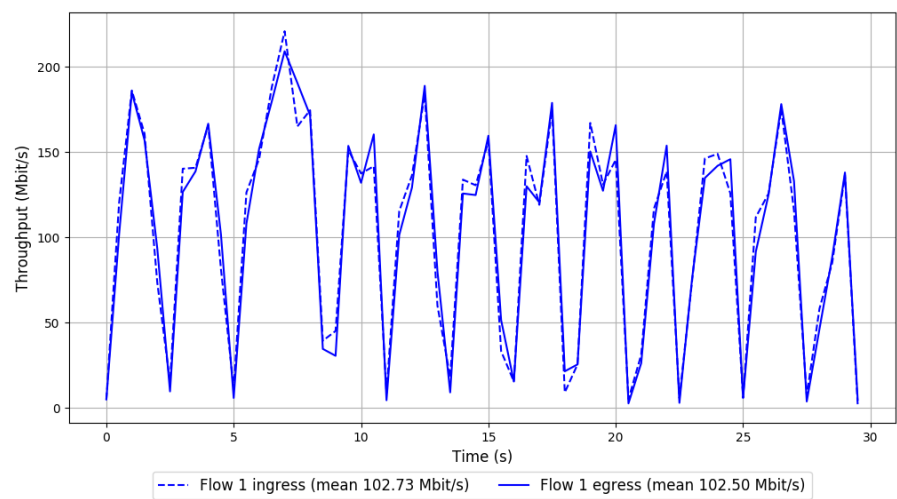
-- Flow 1:

Average throughput: 102.50 Mbit/s

95th percentile per-packet one-way delay: 55.963 ms

Loss rate: 0.55%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: Sun, 06 Aug 2017 02:03:21 +0000

End at: Sun, 06 Aug 2017 02:03:51 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:53:40 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 128.71 Mbit/s

95th percentile per-packet one-way delay: 84.354 ms

Loss rate: 2.68%

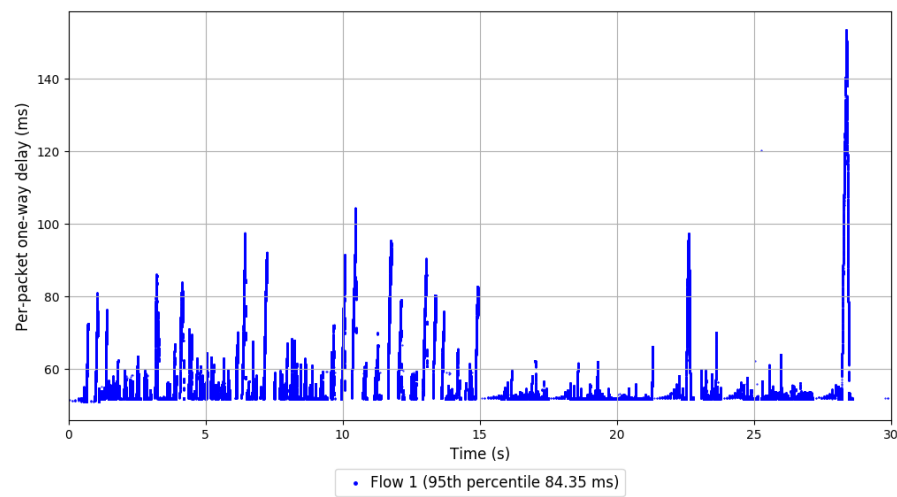
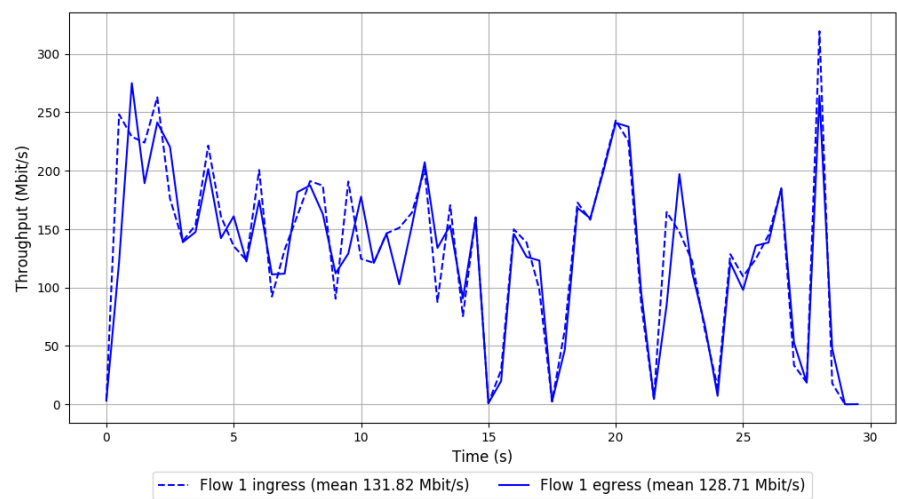
-- Flow 1:

Average throughput: 128.71 Mbit/s

95th percentile per-packet one-way delay: 84.354 ms

Loss rate: 2.68%

Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 00:25:17 +0000

End at: Sun, 06 Aug 2017 00:25:47 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:53:40 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.03 Mbit/s

95th percentile per-packet one-way delay: 53.341 ms

Loss rate: 1.33%

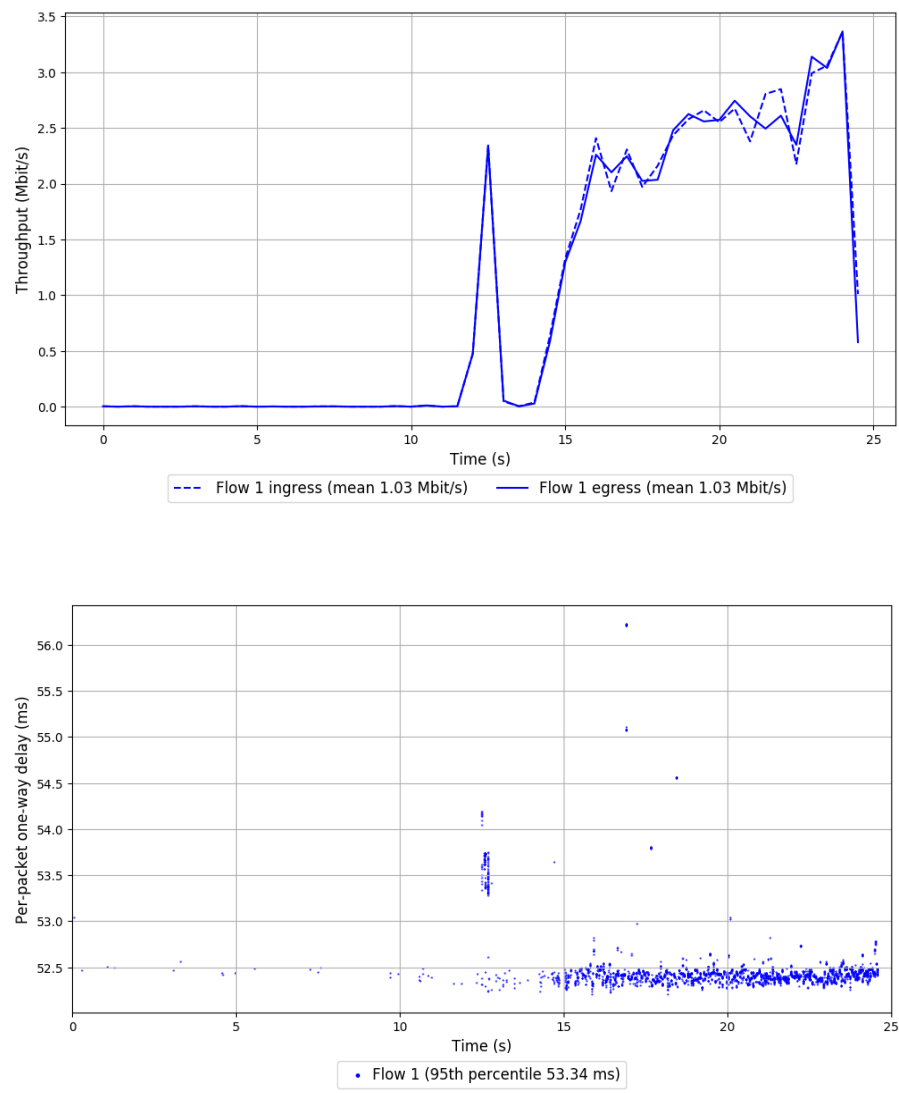
-- Flow 1:

Average throughput: 1.03 Mbit/s

95th percentile per-packet one-way delay: 53.341 ms

Loss rate: 1.33%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 00:35:39 +0000

End at: Sun, 06 Aug 2017 00:36:09 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:53:40 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.40 Mbit/s

95th percentile per-packet one-way delay: 53.535 ms

Loss rate: 0.49%

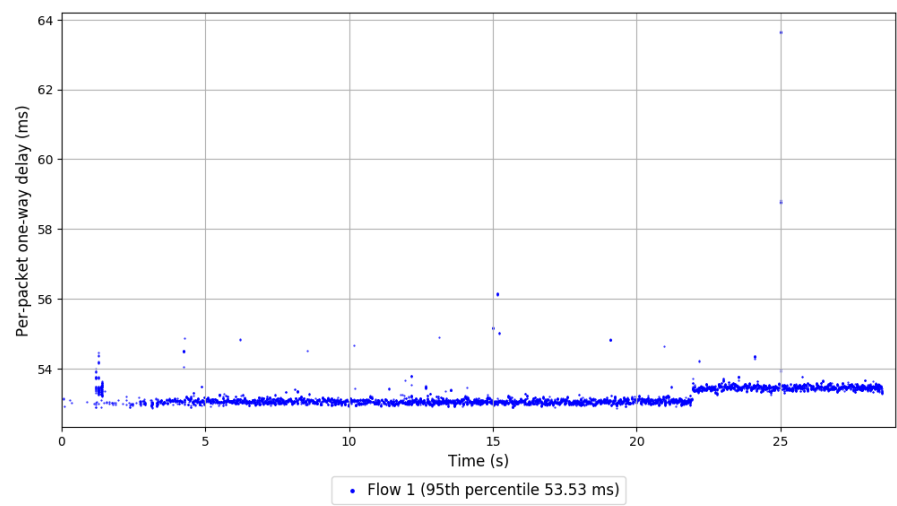
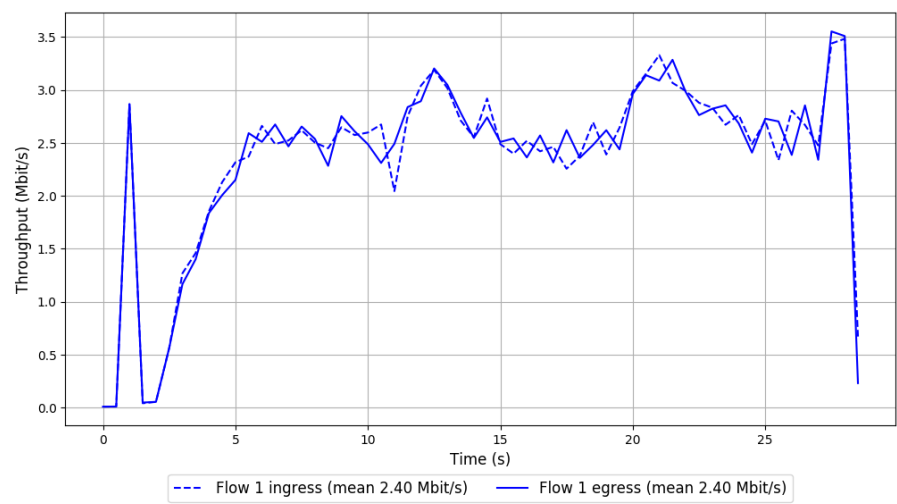
-- Flow 1:

Average throughput: 2.40 Mbit/s

95th percentile per-packet one-way delay: 53.535 ms

Loss rate: 0.49%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 00:45:59 +0000

End at: Sun, 06 Aug 2017 00:46:29 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:53:40 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.20 Mbit/s

95th percentile per-packet one-way delay: 52.714 ms

Loss rate: 0.53%

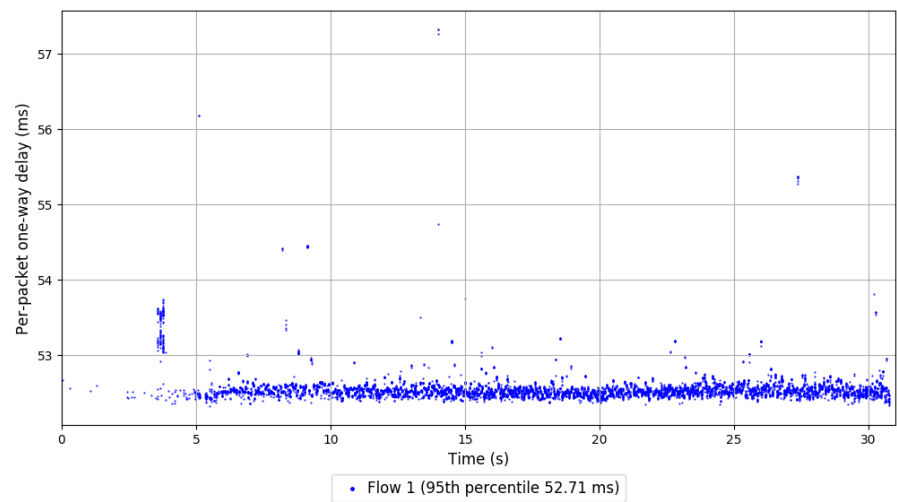
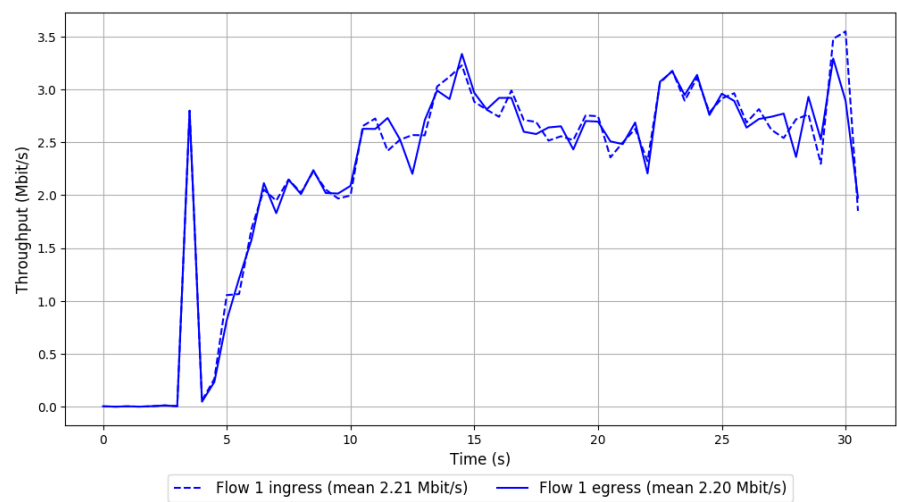
-- Flow 1:

Average throughput: 2.20 Mbit/s

95th percentile per-packet one-way delay: 52.714 ms

Loss rate: 0.53%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 00:56:16 +0000

End at: Sun, 06 Aug 2017 00:56:46 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:53:40 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 52.481 ms

Loss rate: 0.71%

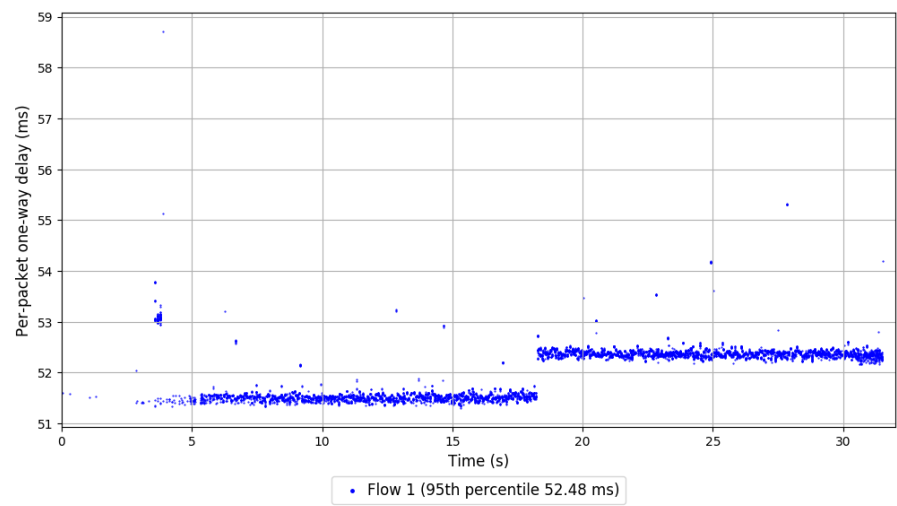
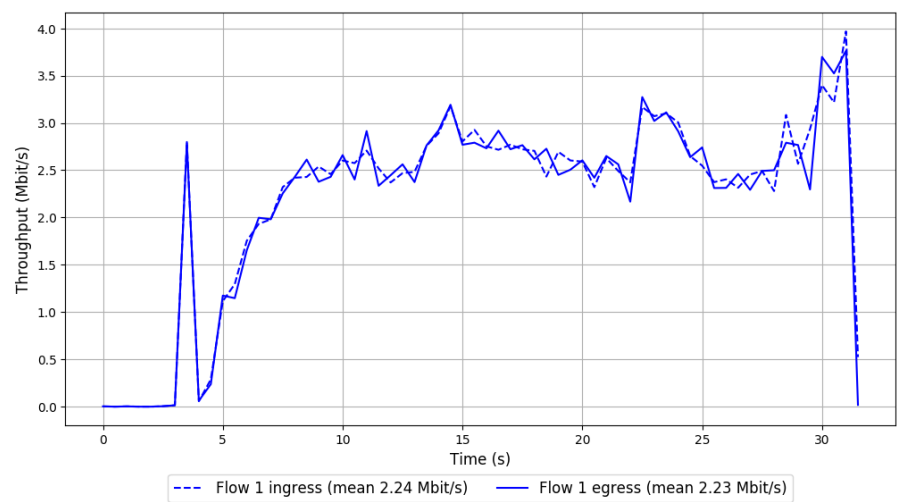
-- Flow 1:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 52.481 ms

Loss rate: 0.71%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 01:06:44 +0000

End at: Sun, 06 Aug 2017 01:07:14 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:53:40 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 53.042 ms

Loss rate: 0.59%

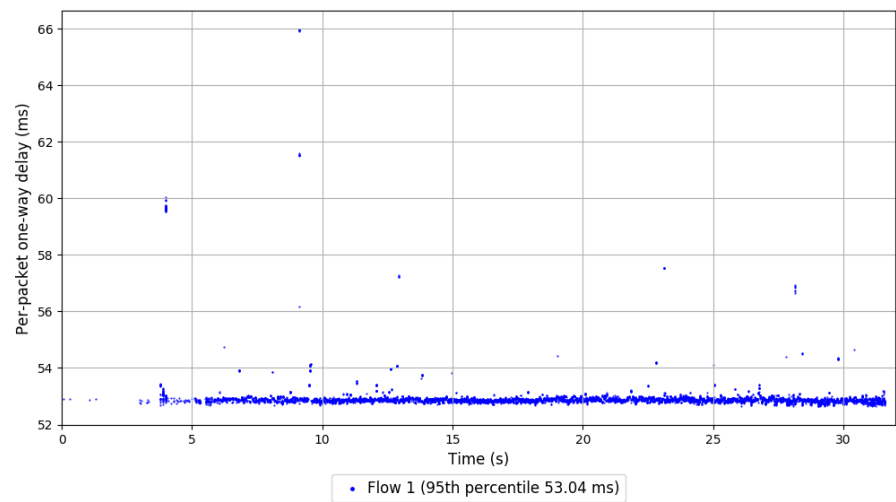
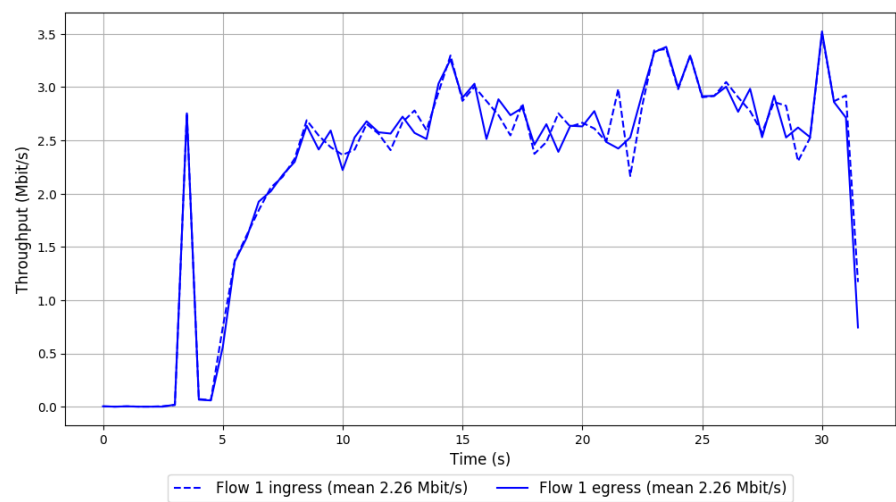
-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 53.042 ms

Loss rate: 0.59%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 01:16:55 +0000

End at: Sun, 06 Aug 2017 01:17:25 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:53:40 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 52.014 ms

Loss rate: 0.50%

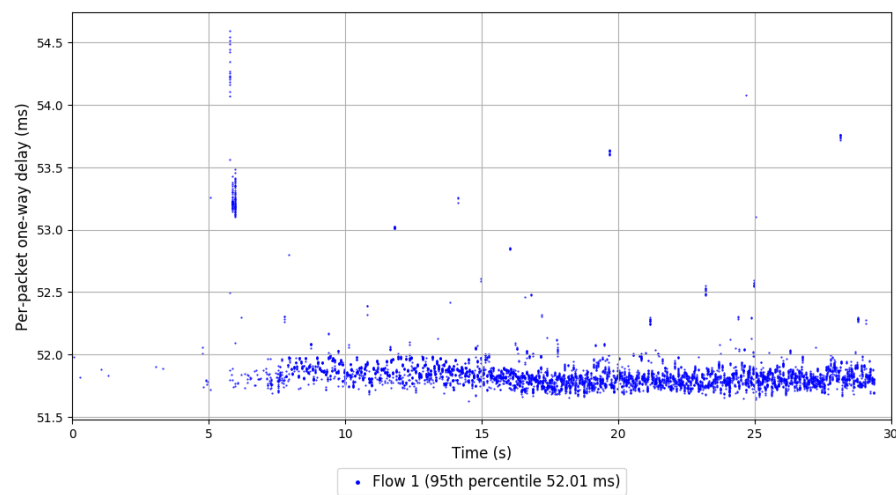
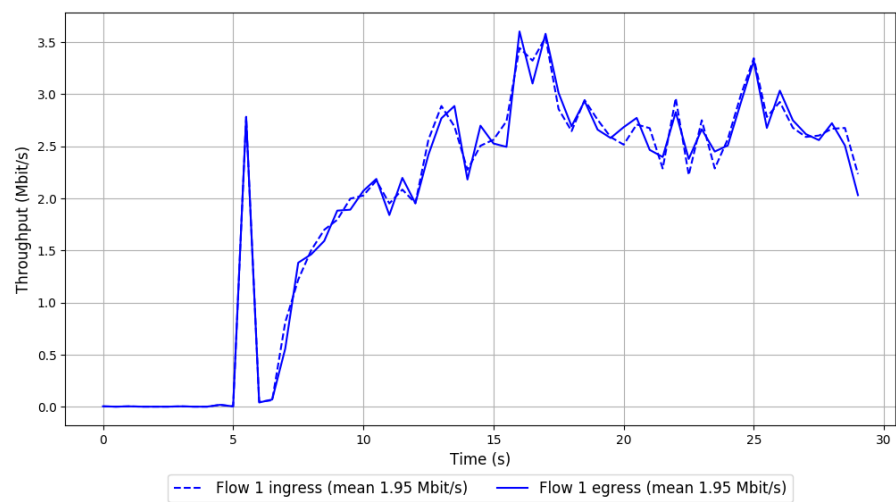
-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 52.014 ms

Loss rate: 0.50%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 01:27:23 +0000

End at: Sun, 06 Aug 2017 01:27:53 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:53:40 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 52.425 ms

Loss rate: 0.70%

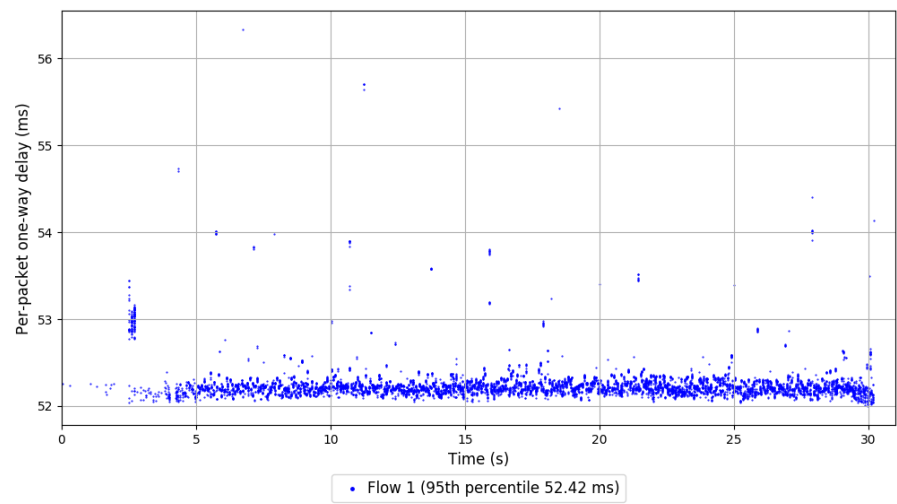
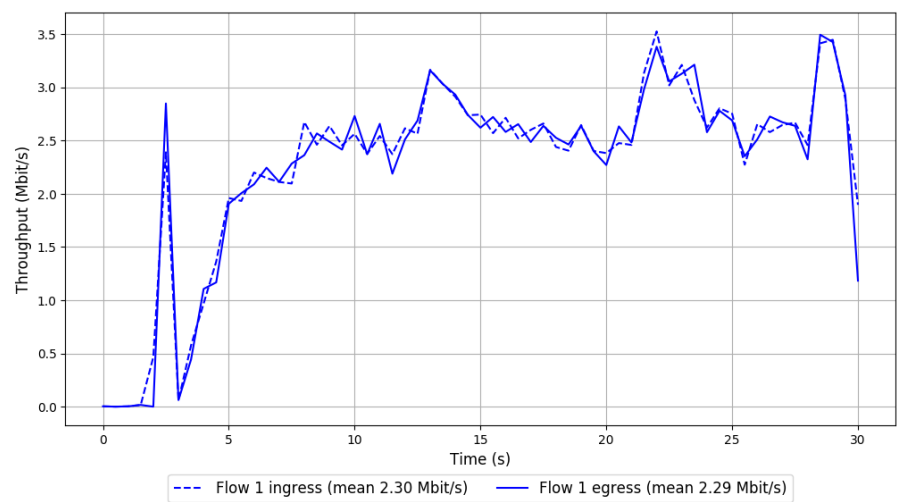
-- Flow 1:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 52.425 ms

Loss rate: 0.70%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 01:38:14 +0000

End at: Sun, 06 Aug 2017 01:38:44 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:53:40 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 52.556 ms

Loss rate: 0.52%

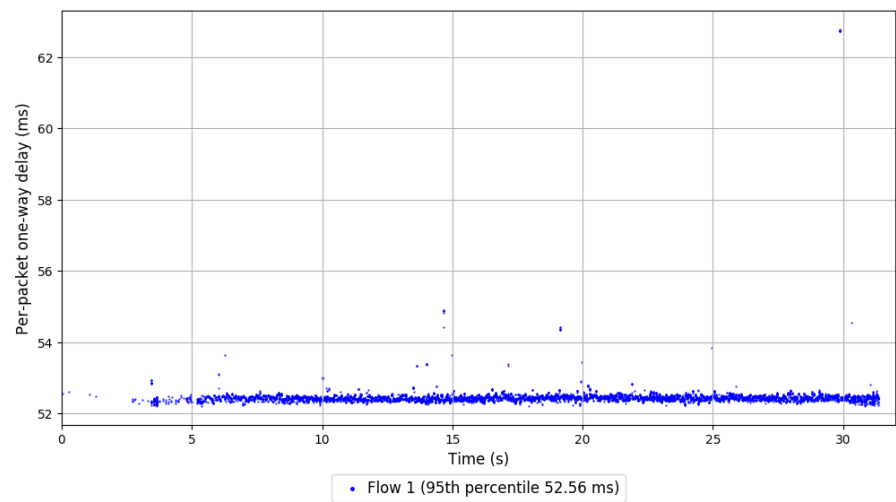
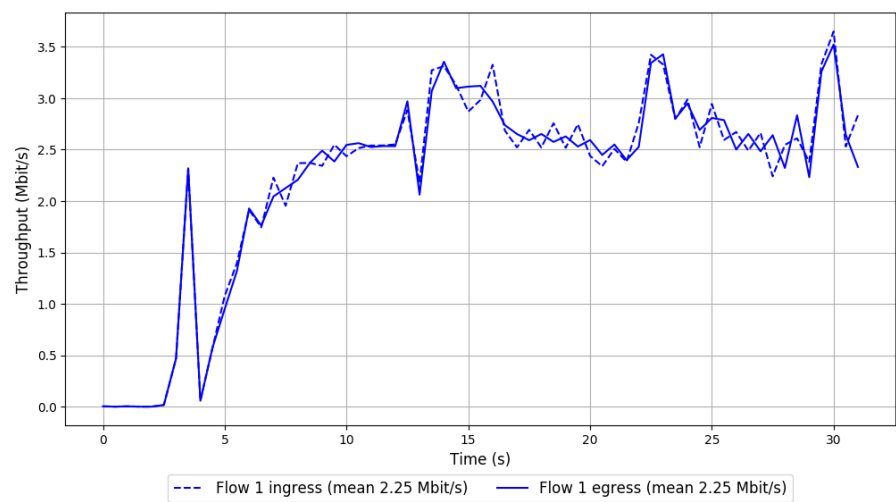
-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 52.556 ms

Loss rate: 0.52%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 01:48:35 +0000

End at: Sun, 06 Aug 2017 01:49:05 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:53:40 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.21 Mbit/s

95th percentile per-packet one-way delay: 52.323 ms

Loss rate: 0.70%

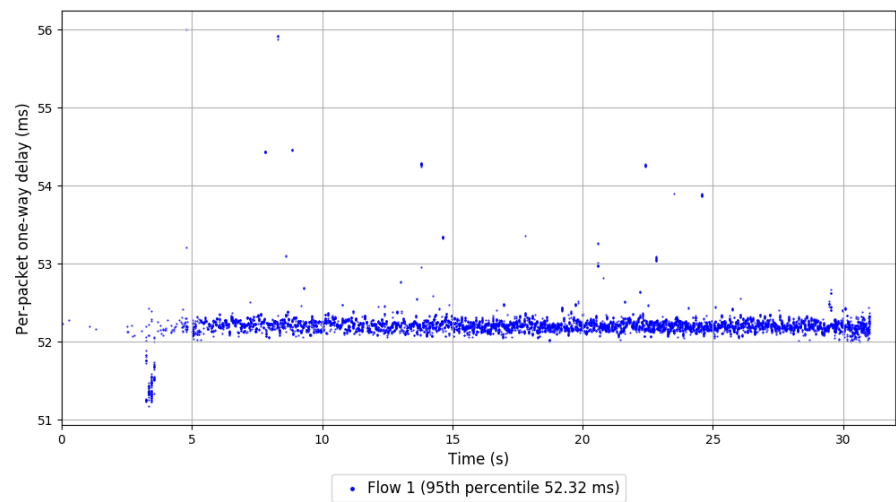
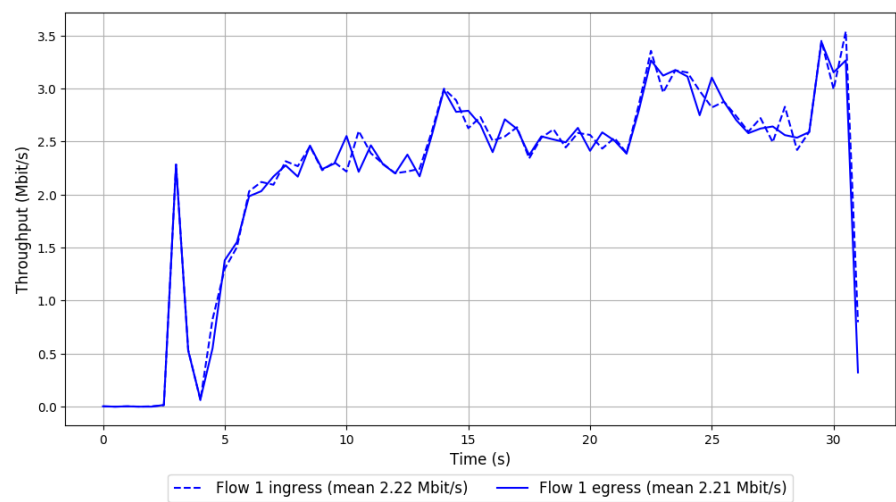
-- Flow 1:

Average throughput: 2.21 Mbit/s

95th percentile per-packet one-way delay: 52.323 ms

Loss rate: 0.70%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 01:59:08 +0000

End at: Sun, 06 Aug 2017 01:59:38 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:53:40 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 51.391 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 51.391 ms

Loss rate: 0.47%

Run 10: Report of WebRTC media — Data Link

