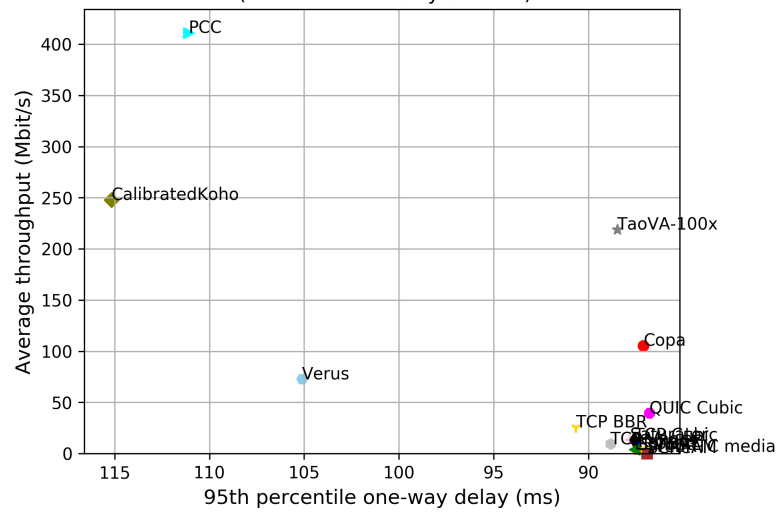


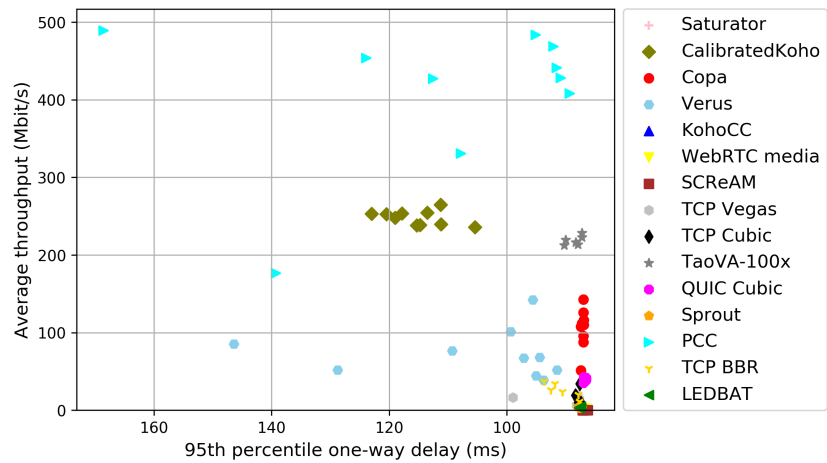
Pantheon Summary (Generated at Sun, 06 Aug 2017 11:59:45 +0000 with
pantheon version a934ee3822380a12762347e6bc8bd1f3e836e73b)
Repeated the test of 15 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Data path: GCE Iowa Ethernet (*local*) → GCE Sydney Ethernet (*remote*).

```
git branch: master @ a934ee3822380a12762347e6bc8bd1f3e836e73b
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 Iowa Ethernet to GCE Sydney Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from GCE Iowa Ethernet to GCE Sydney Ethernet, 10 runs of 30s each per scheme



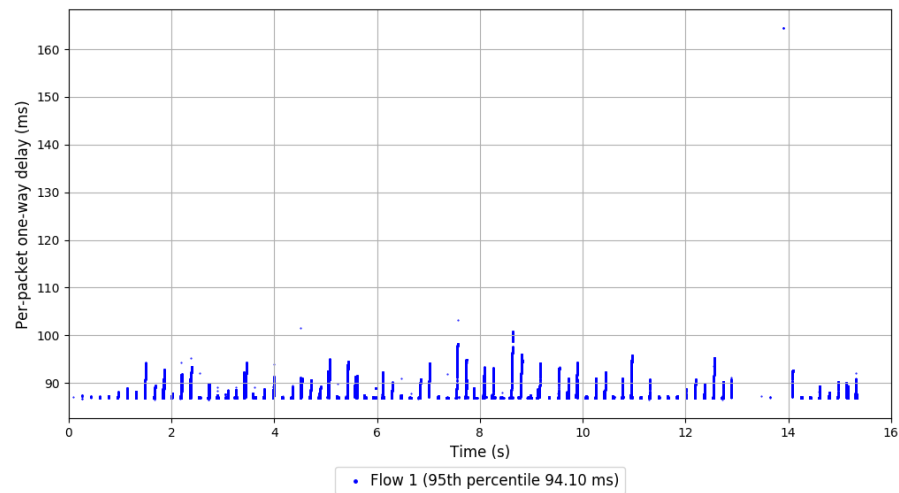
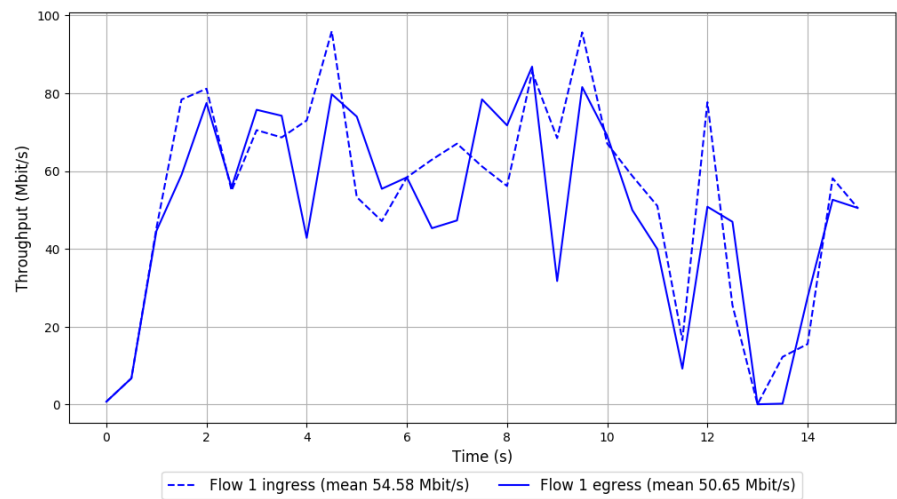
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	25.46	90.67	25.36
CalibratedKoho	10	247.86	115.17	1.97
Copa	10	105.36	87.09	0.23
TCP Cubic	10	13.22	87.59	1.28
KohoCC	10	6.66	87.38	0.86
LEDBAT	10	3.89	87.56	0.61
PCC	10	410.90	111.09	3.16
QUIC Cubic	10	39.60	86.78	0.00
Saturator	10	13.44	87.81	0.59
SCReAM	10	0.22	86.91	0.00
Sprout	10	3.51	87.42	2.98
TaoVA-100x	10	218.75	88.48	0.48
TCP Vegas	10	9.30	88.84	1.59
Verus	10	72.77	105.12	19.36
WebRTC media	10	1.96	86.85	0.00

Run 1: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 08:47:43 +0000

End at: Sun, 06 Aug 2017 08:48:13 +0000

Run 1: Report of TCP BBR — Data Link

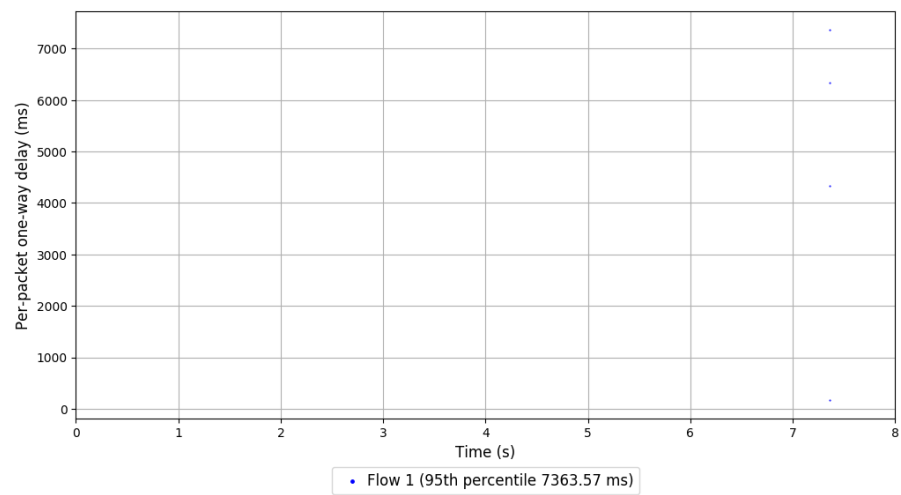
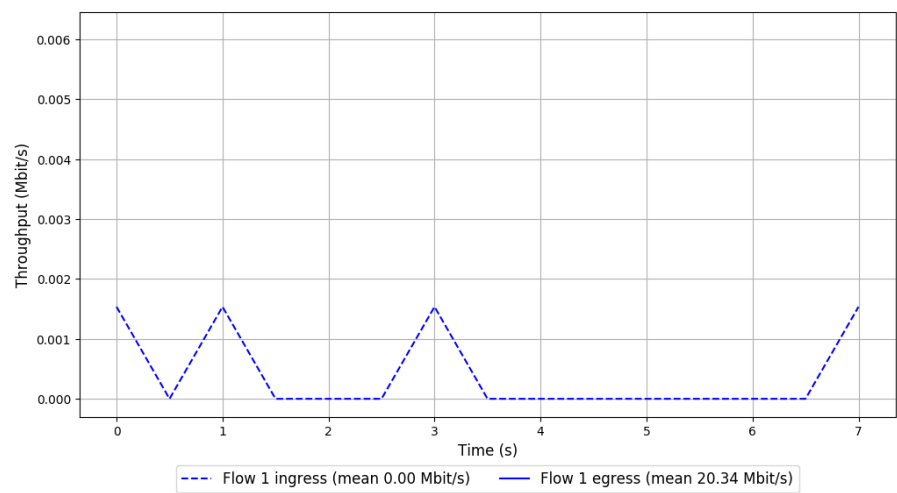


Run 2: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 08:58:39 +0000

End at: Sun, 06 Aug 2017 08:59:09 +0000

Run 2: Report of TCP BBR — Data Link

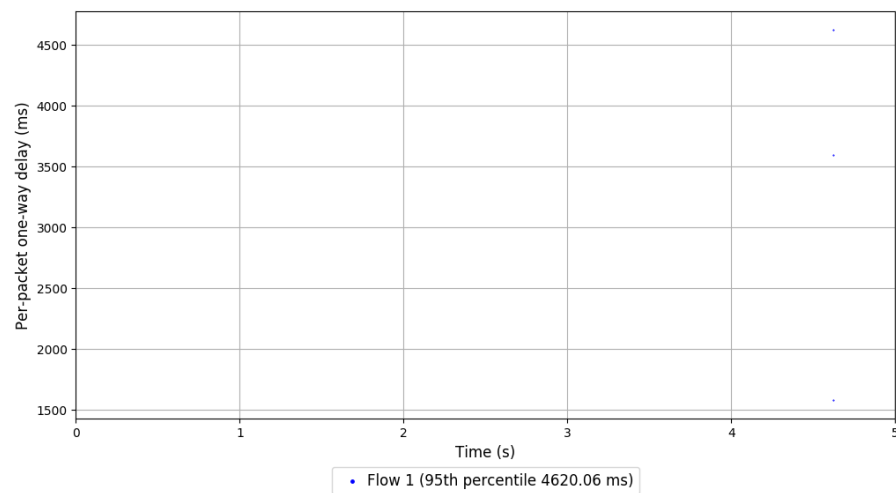
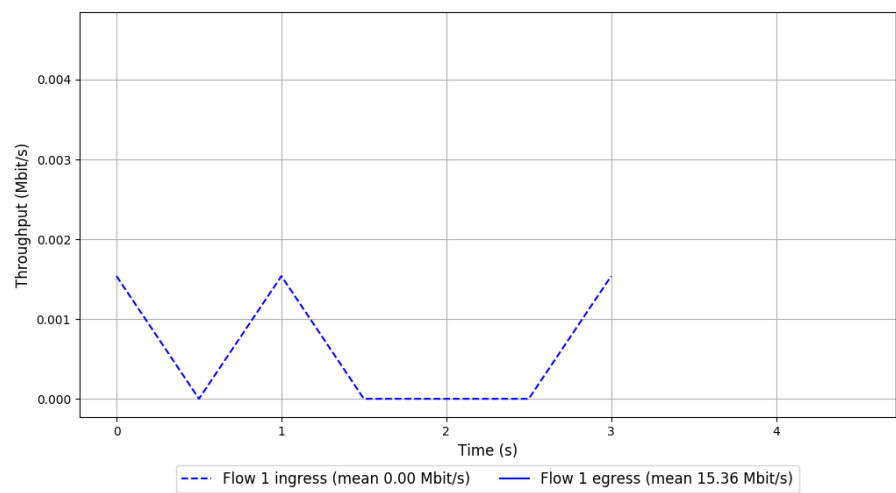


Run 3: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 09:09:49 +0000

End at: Sun, 06 Aug 2017 09:10:19 +0000

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 09:20:31 +0000

End at: Sun, 06 Aug 2017 09:21:01 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:37:05 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.37 Mbit/s

95th percentile per-packet one-way delay: 87.674 ms

Loss rate: 30.70%

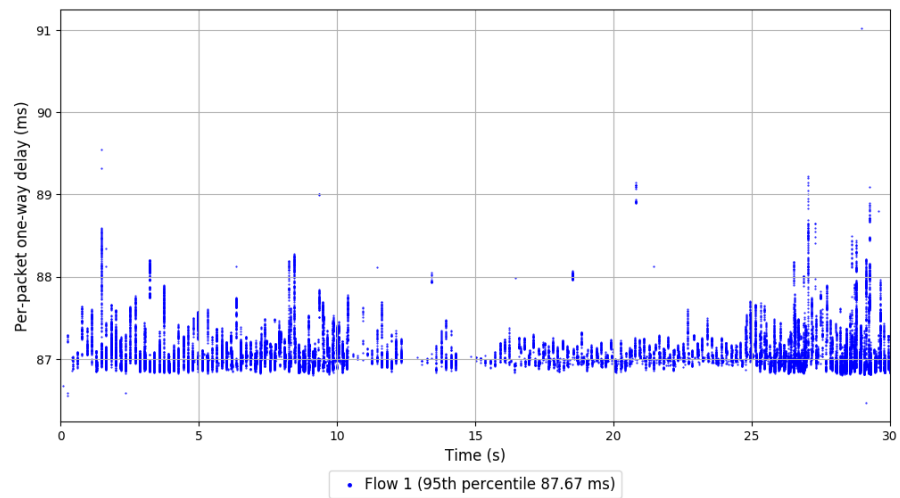
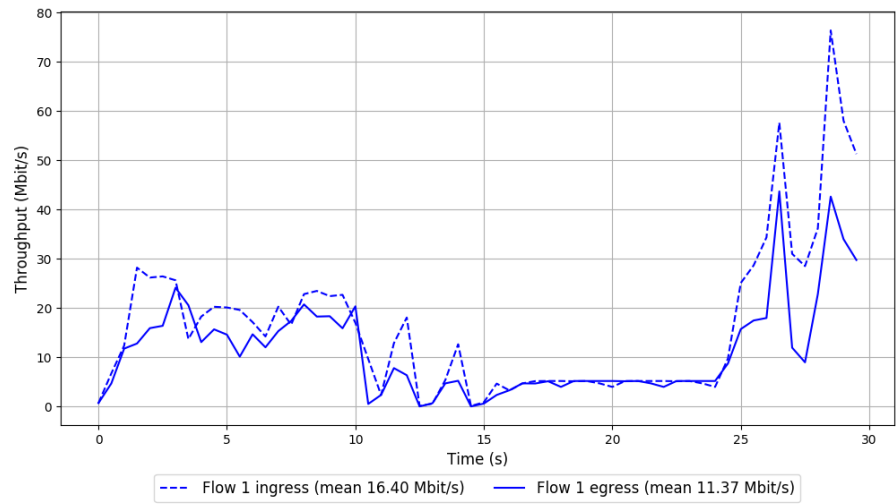
-- Flow 1:

Average throughput: 11.37 Mbit/s

95th percentile per-packet one-way delay: 87.674 ms

Loss rate: 30.70%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 09:31:40 +0000

End at: Sun, 06 Aug 2017 09:32:10 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:37:09 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.24 Mbit/s

95th percentile per-packet one-way delay: 87.826 ms

Loss rate: 32.94%

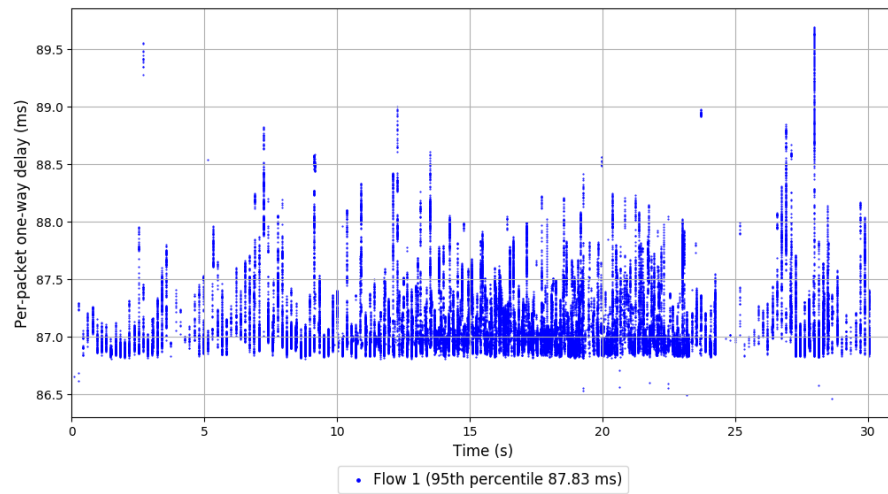
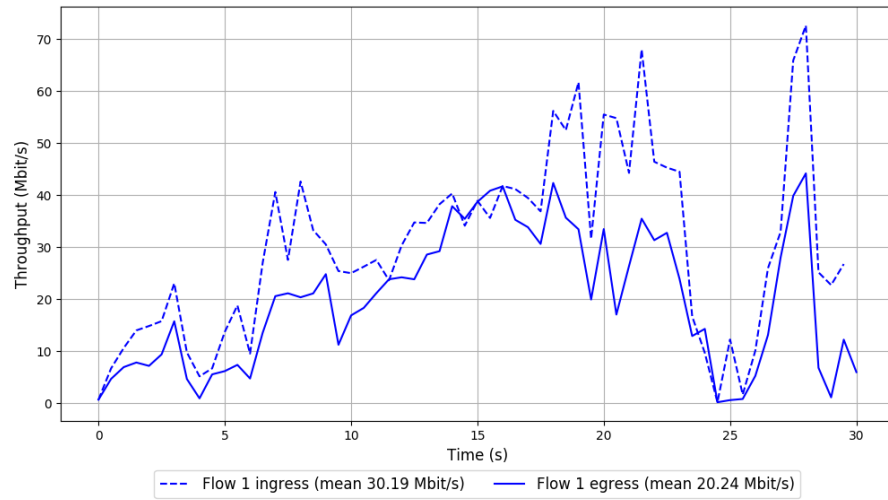
-- Flow 1:

Average throughput: 20.24 Mbit/s

95th percentile per-packet one-way delay: 87.826 ms

Loss rate: 32.94%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 09:42:54 +0000

End at: Sun, 06 Aug 2017 09:43:24 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:37:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 37.57 Mbit/s

95th percentile per-packet one-way delay: 93.650 ms

Loss rate: 16.18%

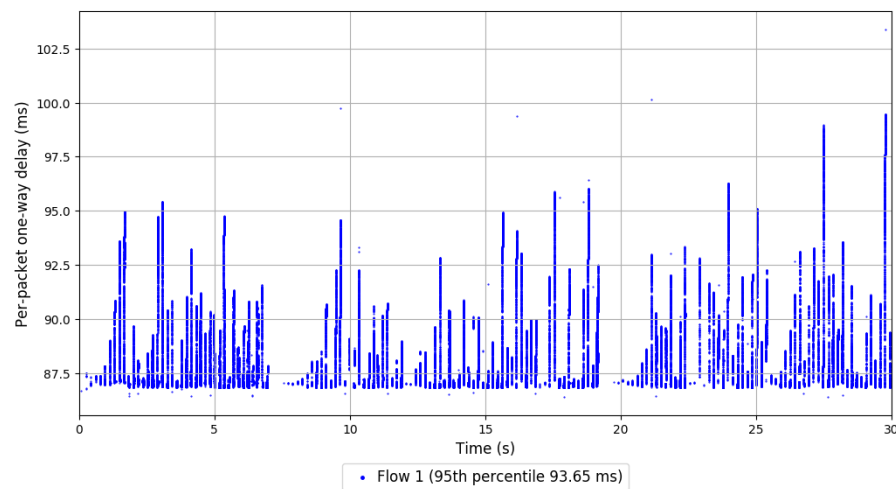
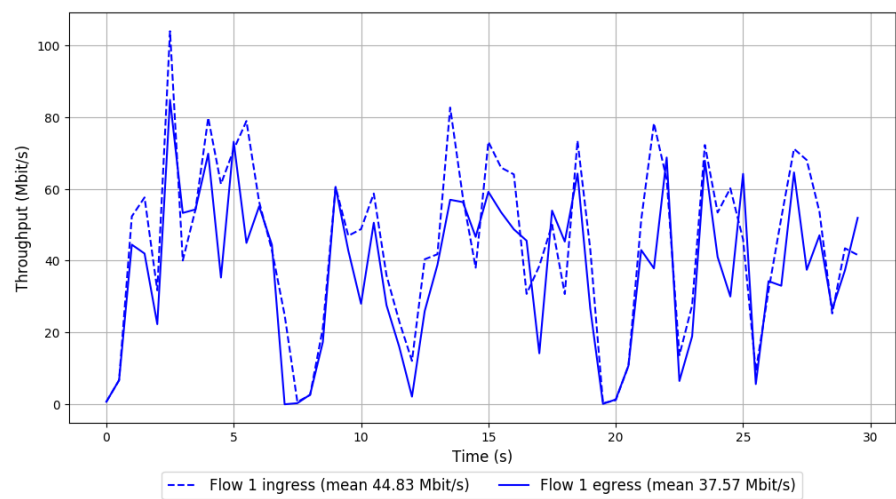
-- Flow 1:

Average throughput: 37.57 Mbit/s

95th percentile per-packet one-way delay: 93.650 ms

Loss rate: 16.18%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 09:54:08 +0000

End at: Sun, 06 Aug 2017 09:54:38 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:37:17 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.00 Mbit/s

95th percentile per-packet one-way delay: 92.516 ms

Loss rate: 26.88%

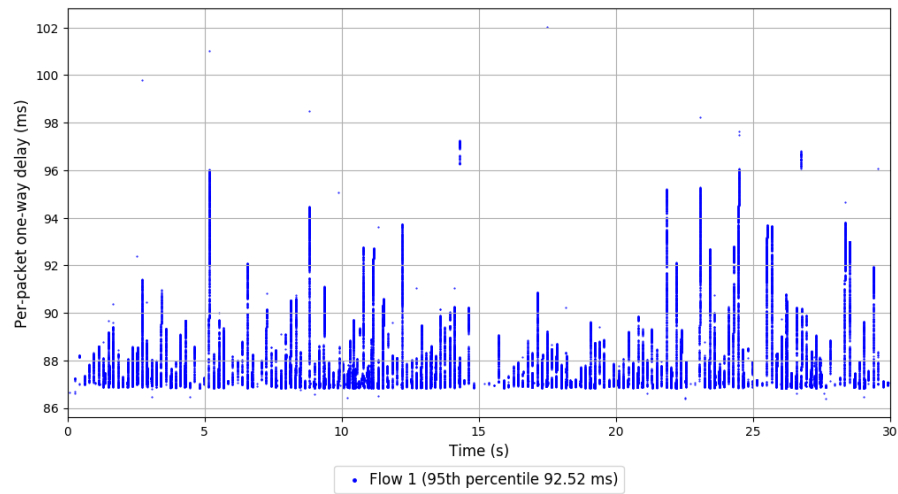
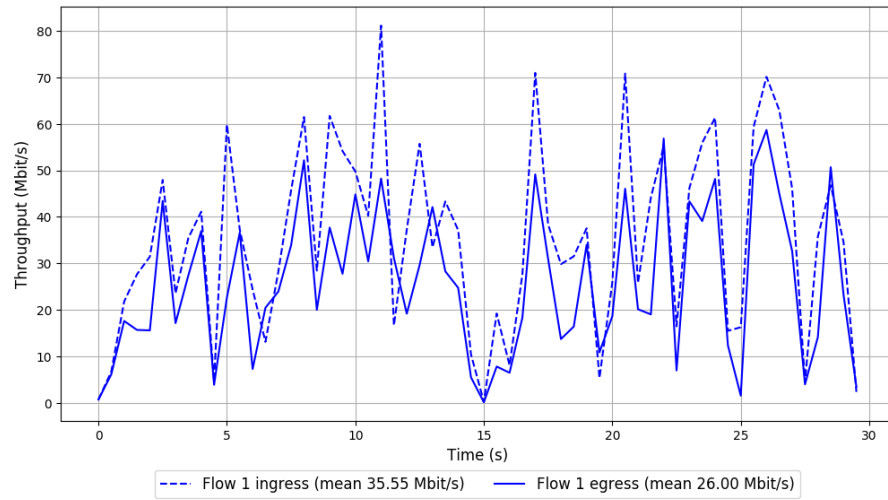
-- Flow 1:

Average throughput: 26.00 Mbit/s

95th percentile per-packet one-way delay: 92.516 ms

Loss rate: 26.88%

Run 7: Report of TCP BBR — Data Link

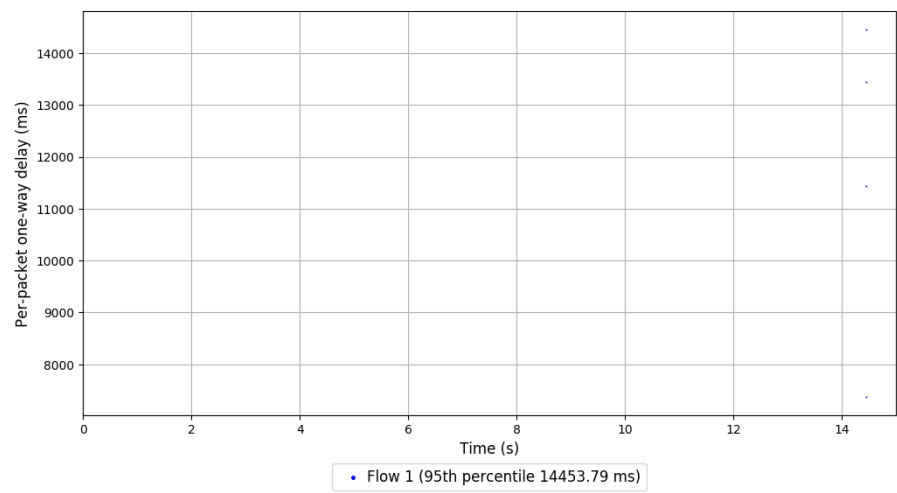
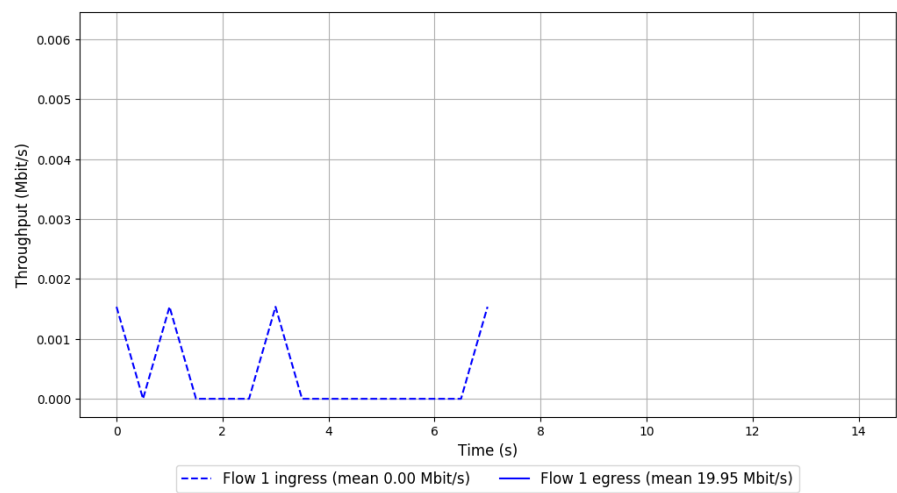


Run 8: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 10:04:59 +0000

End at: Sun, 06 Aug 2017 10:05:29 +0000

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 10:16:12 +0000

End at: Sun, 06 Aug 2017 10:16:42 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:37:24 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.96 Mbit/s

95th percentile per-packet one-way delay: 91.816 ms

Loss rate: 17.28%

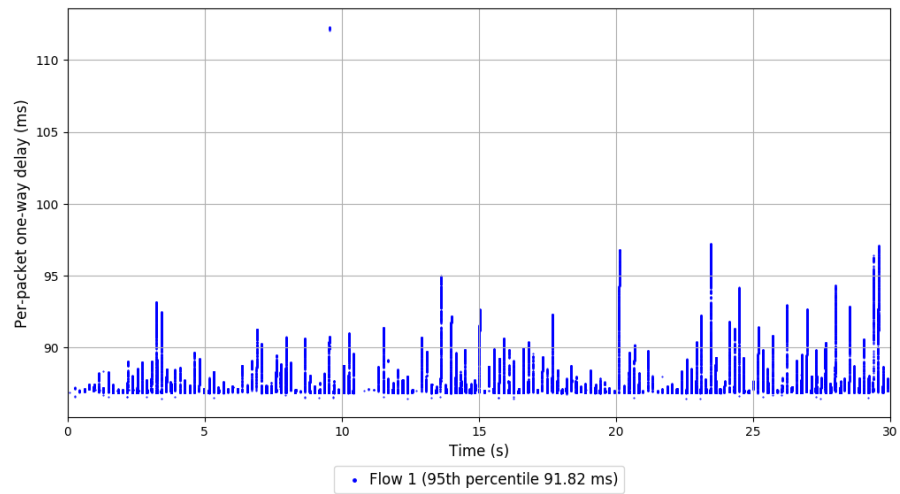
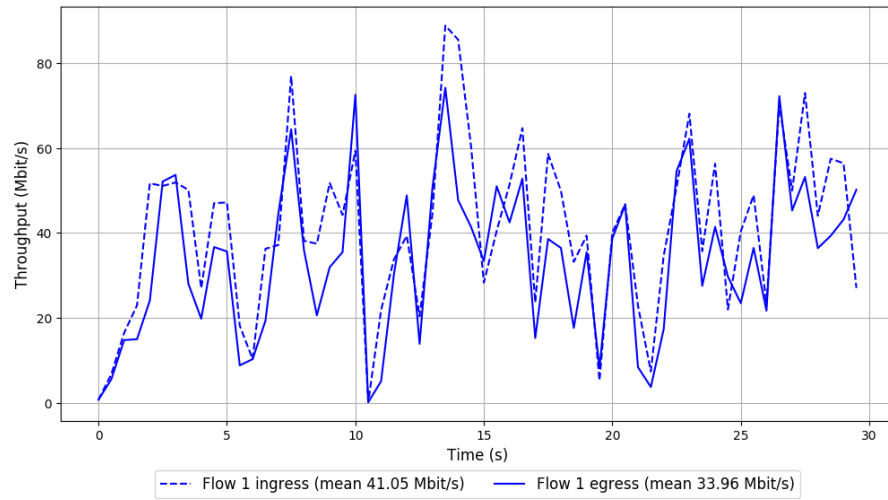
-- Flow 1:

Average throughput: 33.96 Mbit/s

95th percentile per-packet one-way delay: 91.816 ms

Loss rate: 17.28%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 10:26:57 +0000

End at: Sun, 06 Aug 2017 10:27:27 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:37:24 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.63 Mbit/s

95th percentile per-packet one-way delay: 90.551 ms

Loss rate: 28.21%

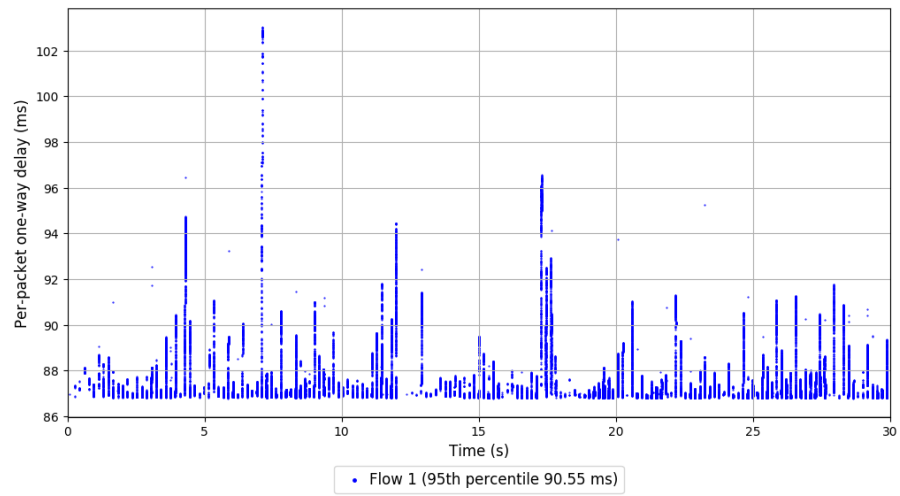
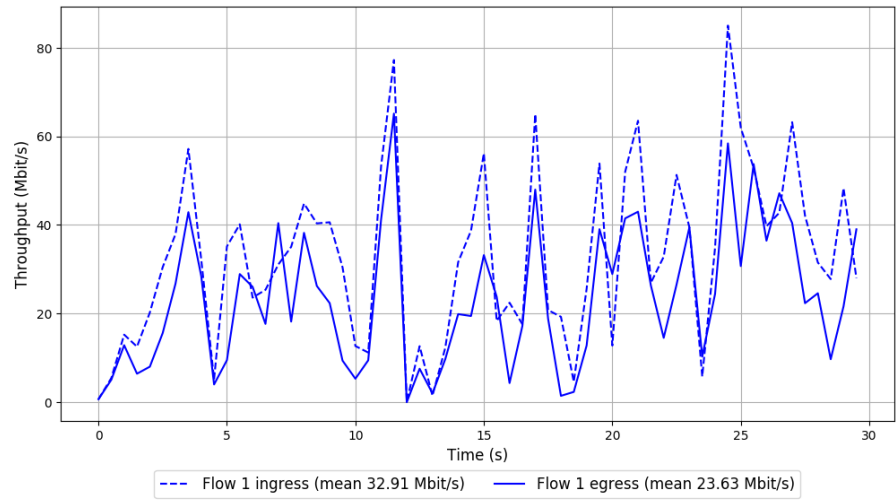
-- Flow 1:

Average throughput: 23.63 Mbit/s

95th percentile per-packet one-way delay: 90.551 ms

Loss rate: 28.21%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 08:48:24 +0000

End at: Sun, 06 Aug 2017 08:48:54 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:38:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 252.78 Mbit/s

95th percentile per-packet one-way delay: 120.474 ms

Loss rate: 1.04%

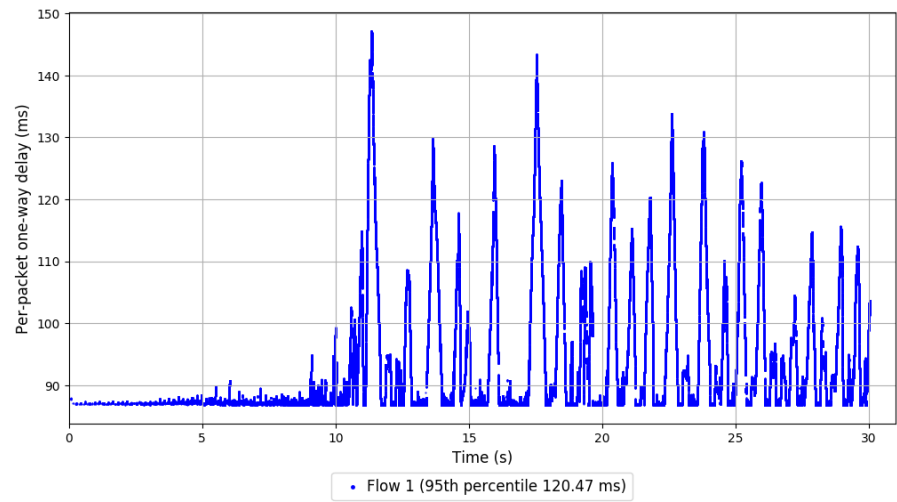
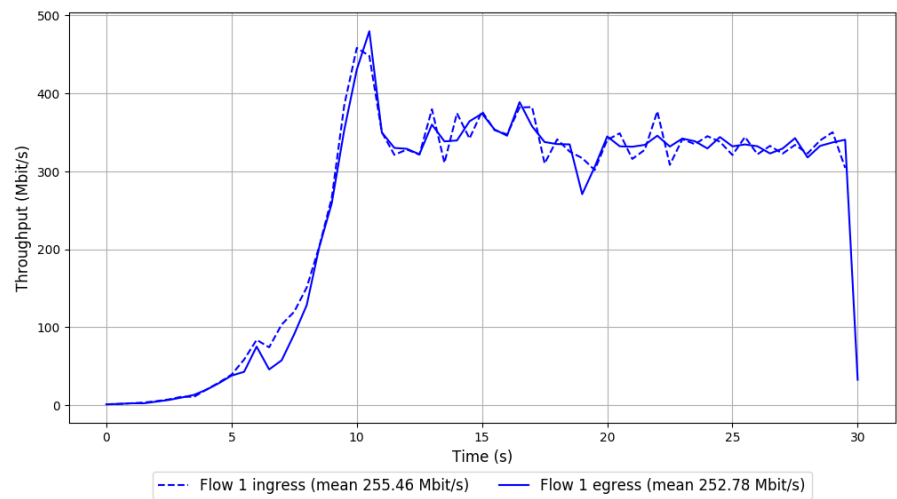
-- Flow 1:

Average throughput: 252.78 Mbit/s

95th percentile per-packet one-way delay: 120.474 ms

Loss rate: 1.04%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 08:59:18 +0000

End at: Sun, 06 Aug 2017 08:59:48 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:38:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 253.01 Mbit/s

95th percentile per-packet one-way delay: 122.996 ms

Loss rate: 1.23%

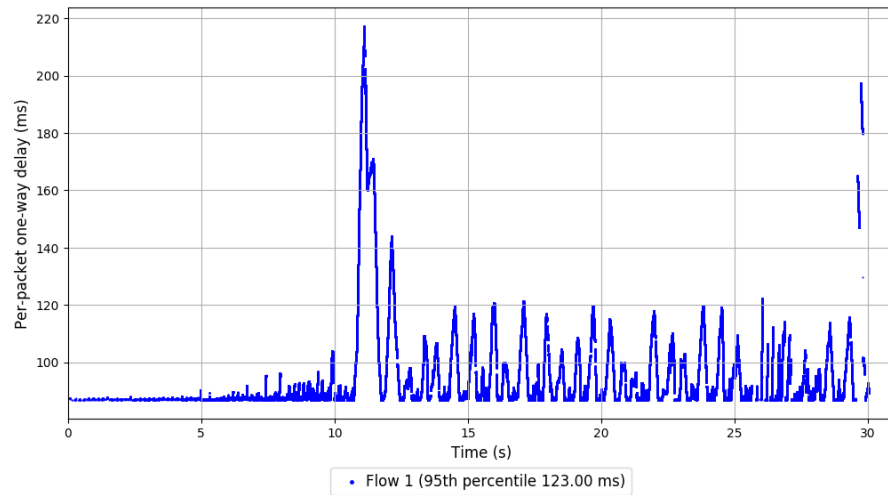
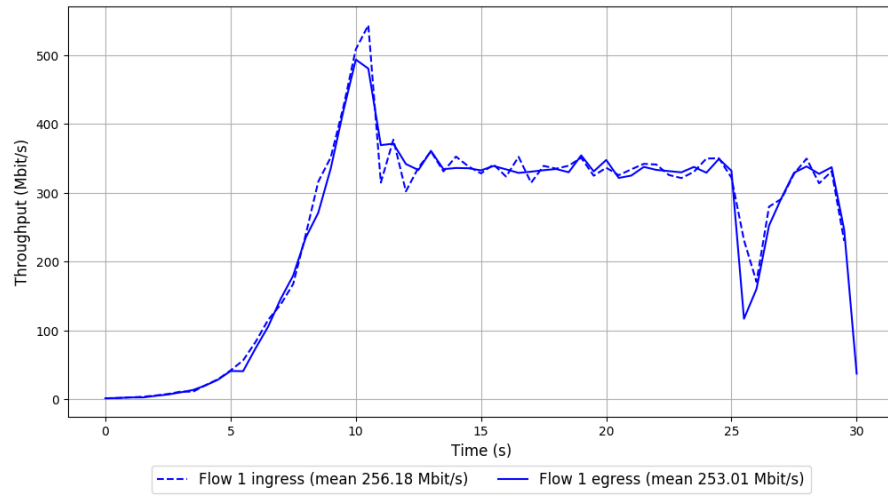
-- Flow 1:

Average throughput: 253.01 Mbit/s

95th percentile per-packet one-way delay: 122.996 ms

Loss rate: 1.23%

Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 09:10:28 +0000

End at: Sun, 06 Aug 2017 09:10:58 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:39:02 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 238.63 Mbit/s

95th percentile per-packet one-way delay: 114.742 ms

Loss rate: 2.80%

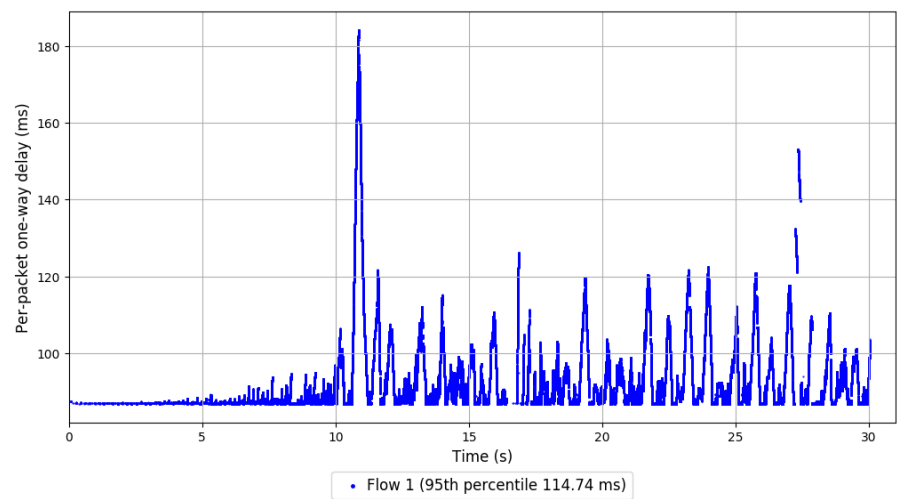
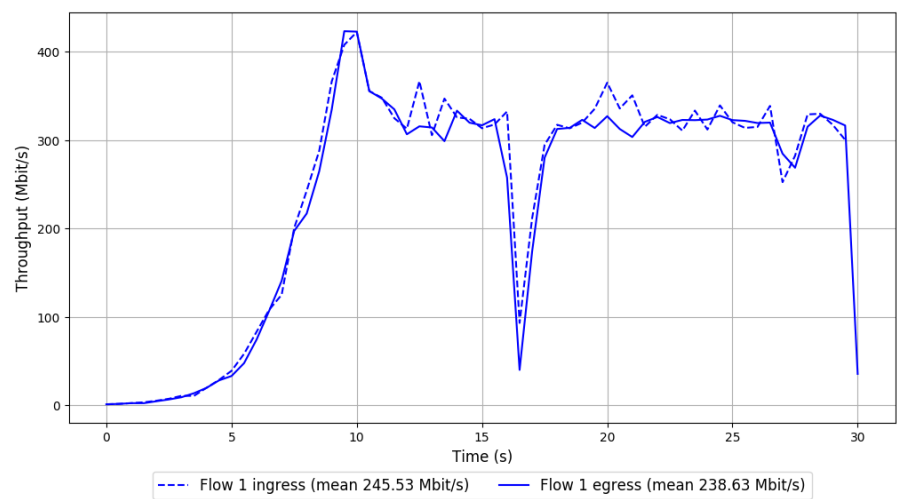
-- Flow 1:

Average throughput: 238.63 Mbit/s

95th percentile per-packet one-way delay: 114.742 ms

Loss rate: 2.80%

Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 09:21:11 +0000

End at: Sun, 06 Aug 2017 09:21:41 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:39:08 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 254.63 Mbit/s

95th percentile per-packet one-way delay: 113.525 ms

Loss rate: 1.42%

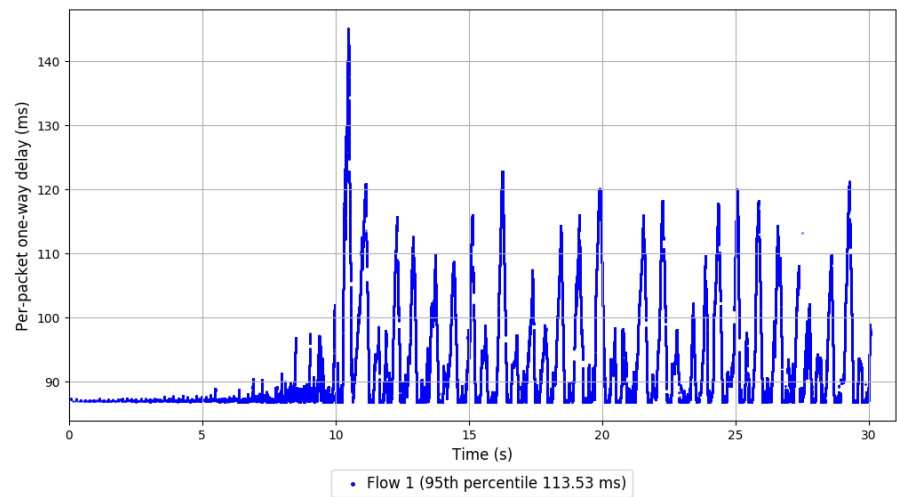
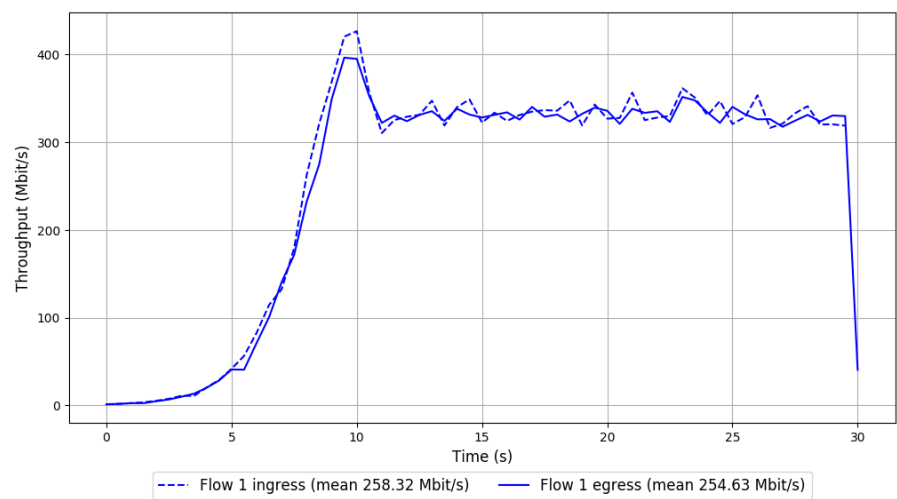
-- Flow 1:

Average throughput: 254.63 Mbit/s

95th percentile per-packet one-way delay: 113.525 ms

Loss rate: 1.42%

Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 09:32:21 +0000

End at: Sun, 06 Aug 2017 09:32:51 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:39:50 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 247.71 Mbit/s

95th percentile per-packet one-way delay: 118.994 ms

Loss rate: 1.02%

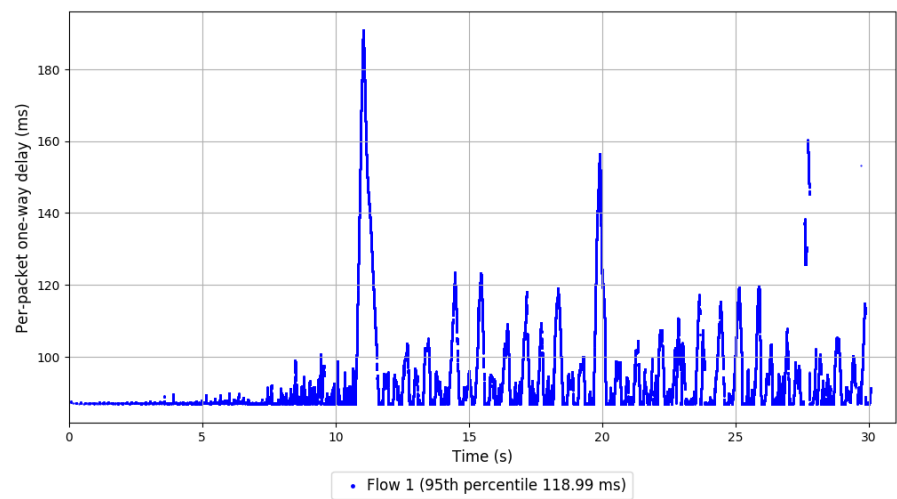
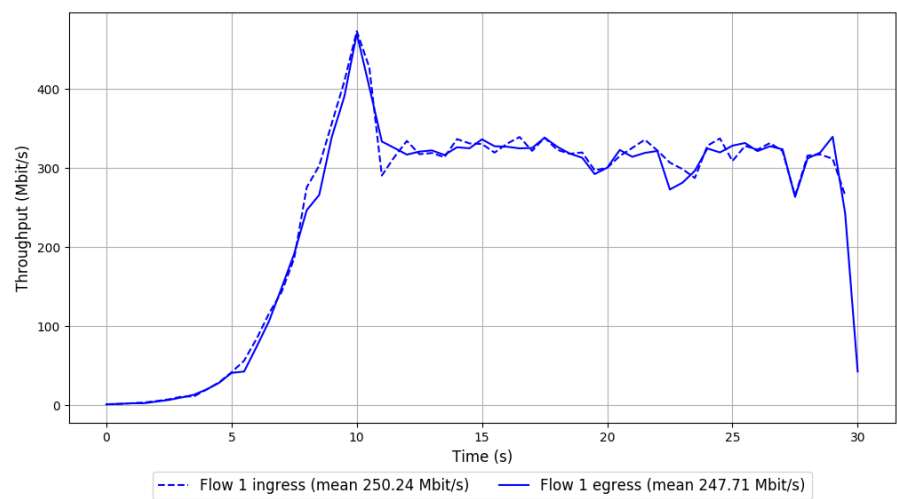
-- Flow 1:

Average throughput: 247.71 Mbit/s

95th percentile per-packet one-way delay: 118.994 ms

Loss rate: 1.02%

Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 09:43:36 +0000

End at: Sun, 06 Aug 2017 09:44:06 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:39:58 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 238.13 Mbit/s

95th percentile per-packet one-way delay: 115.297 ms

Loss rate: 3.42%

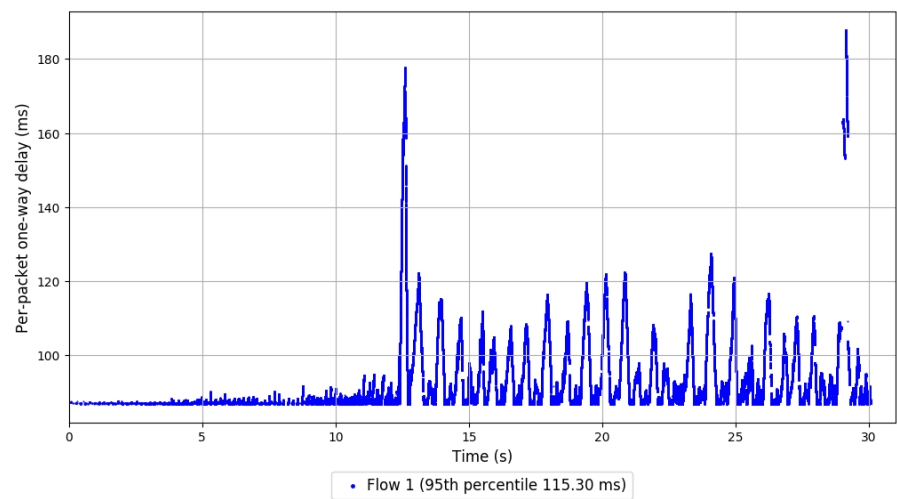
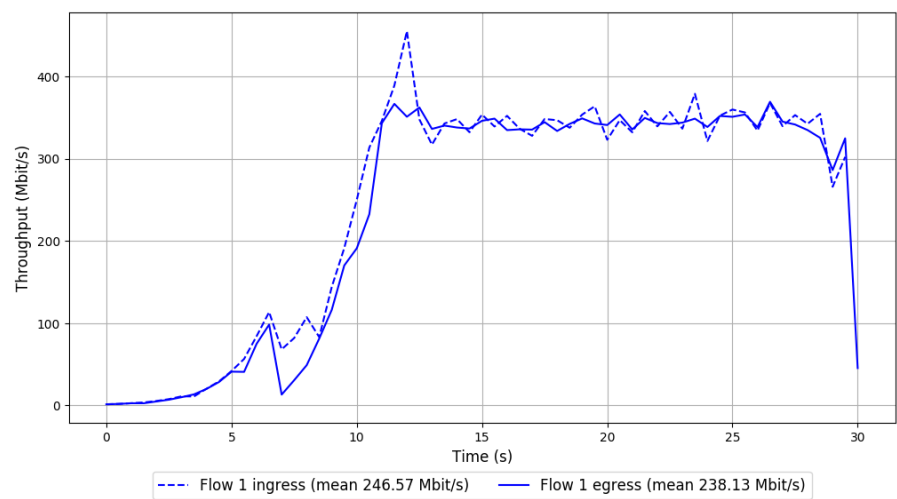
-- Flow 1:

Average throughput: 238.13 Mbit/s

95th percentile per-packet one-way delay: 115.297 ms

Loss rate: 3.42%

Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 09:54:50 +0000

End at: Sun, 06 Aug 2017 09:55:20 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:40:43 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 264.91 Mbit/s

95th percentile per-packet one-way delay: 111.225 ms

Loss rate: 0.84%

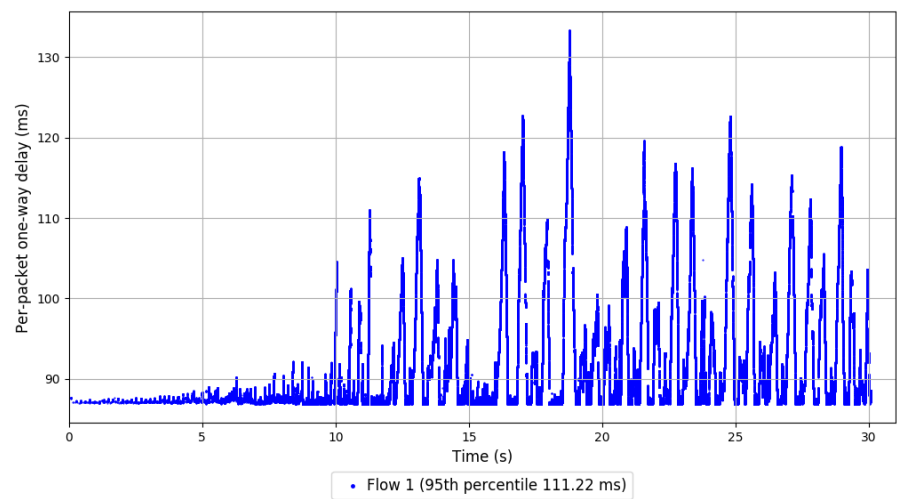
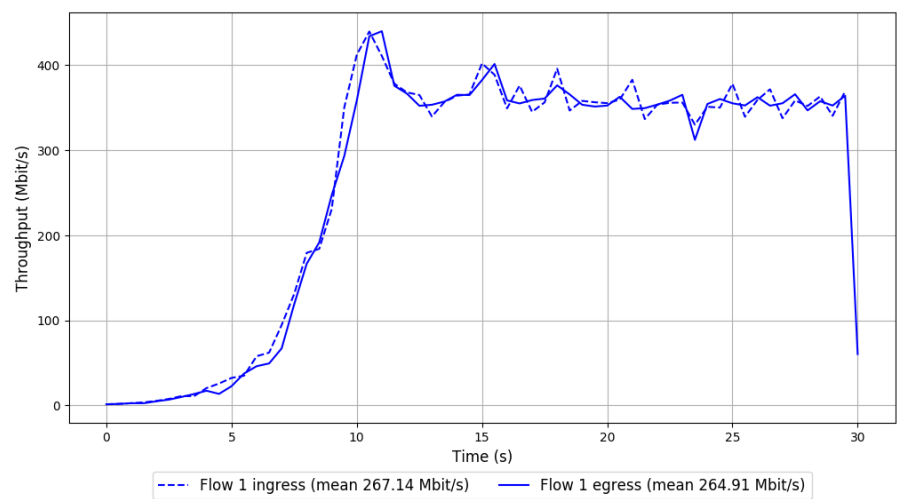
-- Flow 1:

Average throughput: 264.91 Mbit/s

95th percentile per-packet one-way delay: 111.225 ms

Loss rate: 0.84%

Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 10:05:38 +0000

End at: Sun, 06 Aug 2017 10:06:08 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:40:46 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 253.32 Mbit/s

95th percentile per-packet one-way delay: 117.819 ms

Loss rate: 1.19%

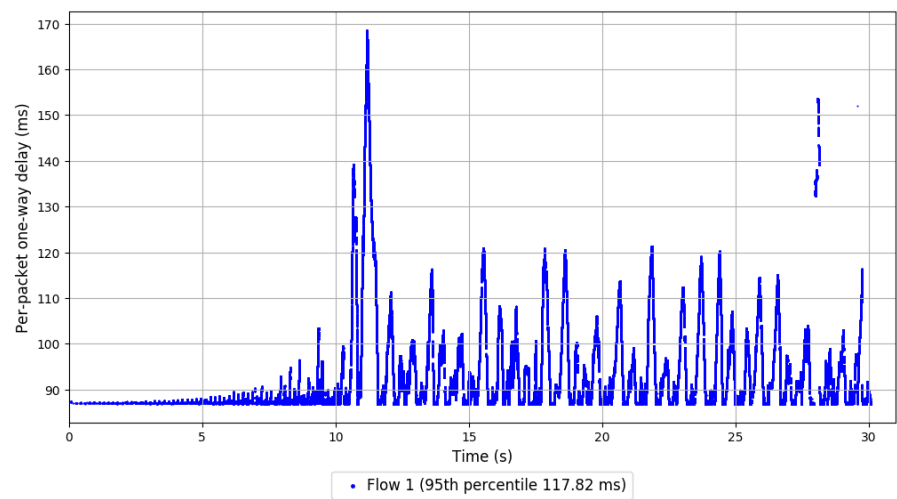
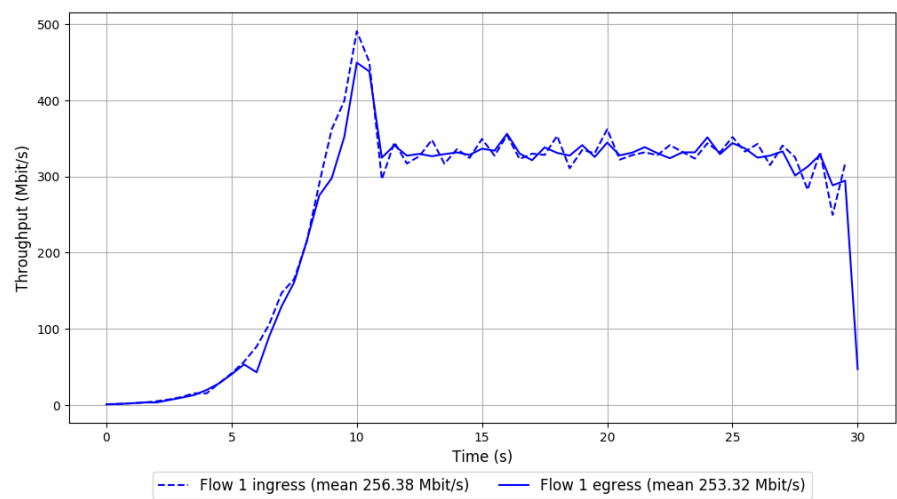
-- Flow 1:

Average throughput: 253.32 Mbit/s

95th percentile per-packet one-way delay: 117.819 ms

Loss rate: 1.19%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 10:16:54 +0000

End at: Sun, 06 Aug 2017 10:17:24 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:41:30 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 235.84 Mbit/s

95th percentile per-packet one-way delay: 105.403 ms

Loss rate: 3.17%

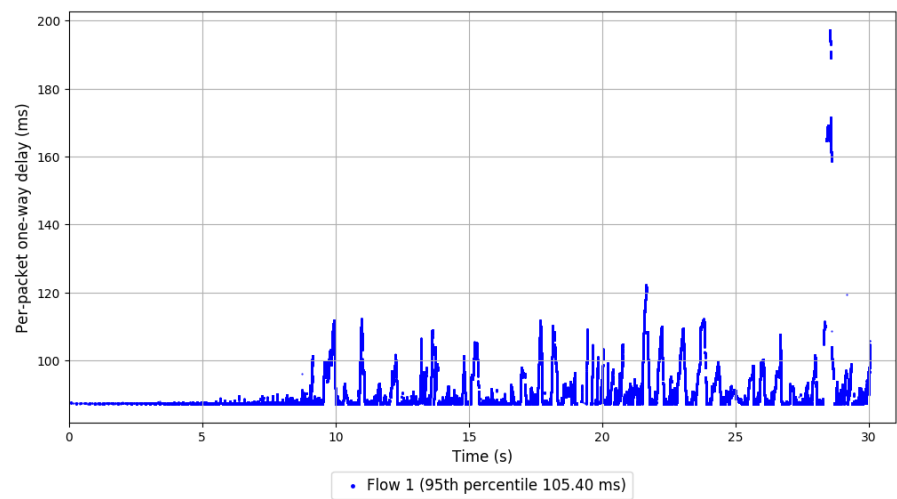
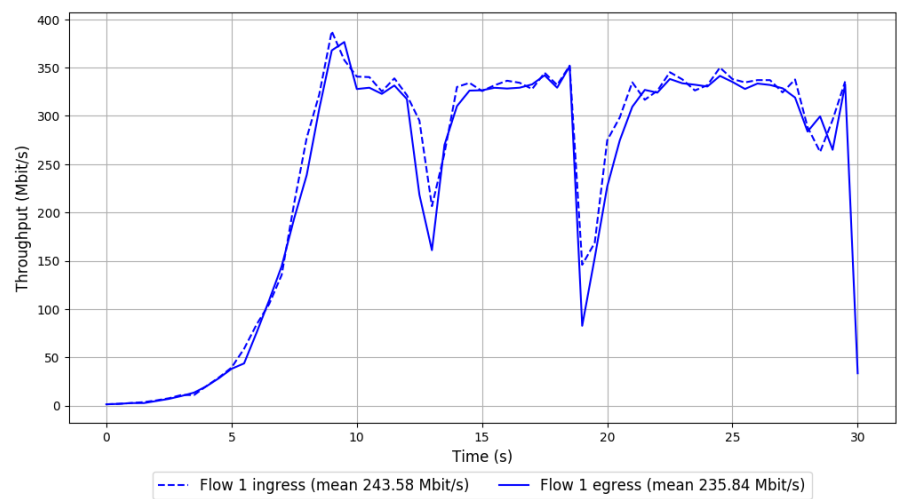
-- Flow 1:

Average throughput: 235.84 Mbit/s

95th percentile per-packet one-way delay: 105.403 ms

Loss rate: 3.17%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 10:27:39 +0000

End at: Sun, 06 Aug 2017 10:28:09 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:41:41 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 239.65 Mbit/s

95th percentile per-packet one-way delay: 111.223 ms

Loss rate: 3.57%

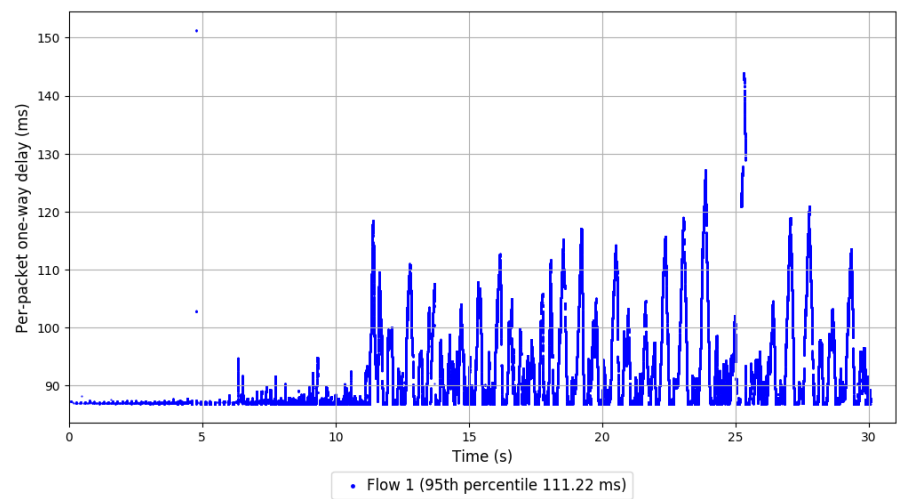
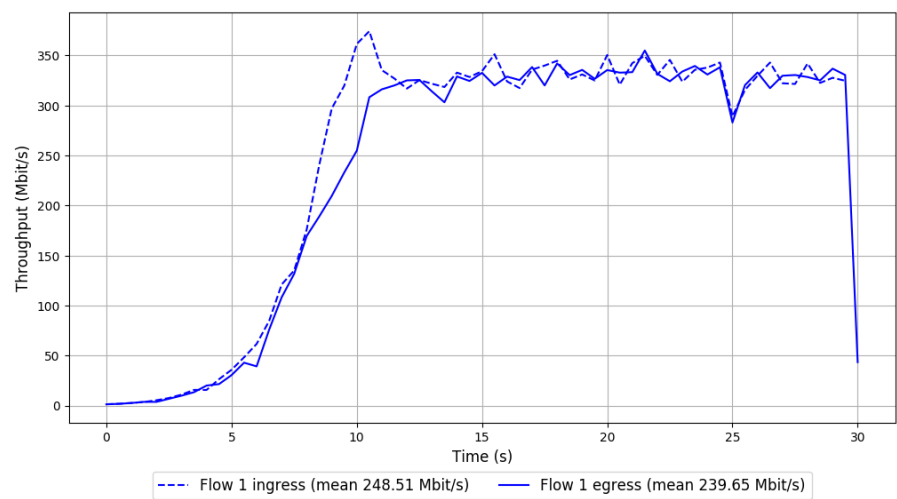
-- Flow 1:

Average throughput: 239.65 Mbit/s

95th percentile per-packet one-way delay: 111.223 ms

Loss rate: 3.57%

Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: Sun, 06 Aug 2017 08:56:22 +0000

End at: Sun, 06 Aug 2017 08:56:52 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:42:01 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 110.04 Mbit/s

95th percentile per-packet one-way delay: 86.934 ms

Loss rate: 0.00%

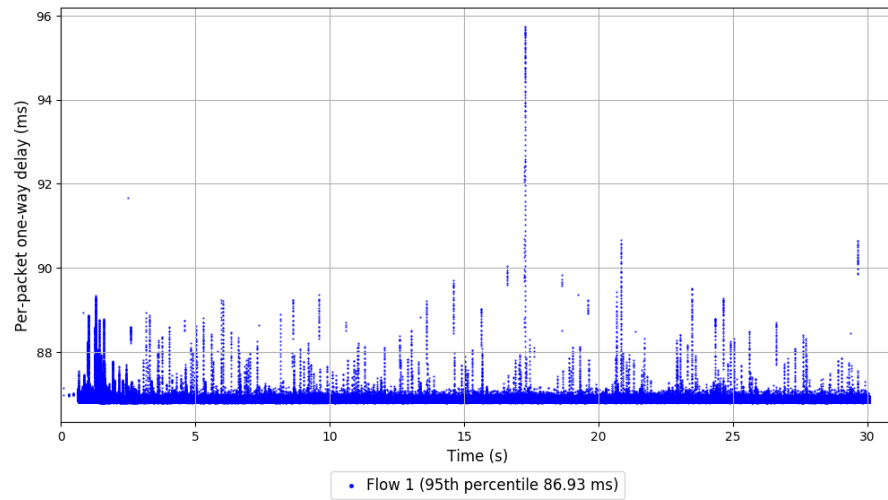
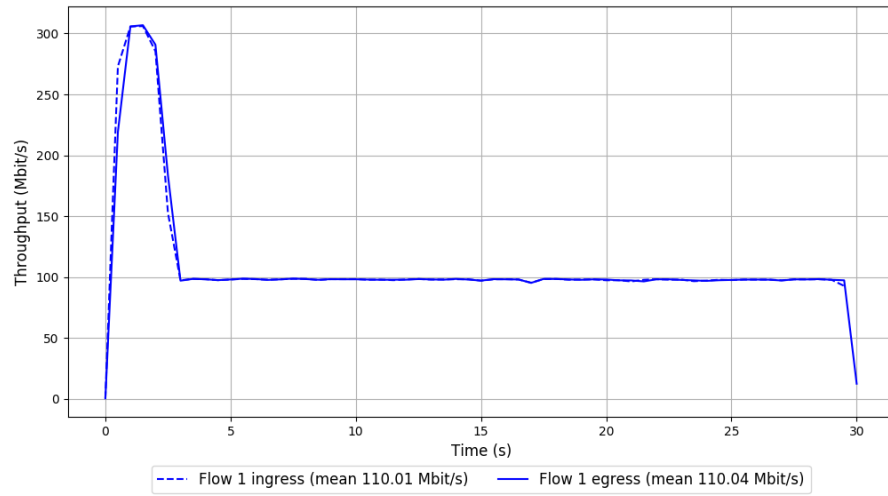
-- Flow 1:

Average throughput: 110.04 Mbit/s

95th percentile per-packet one-way delay: 86.934 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: Sun, 06 Aug 2017 09:07:19 +0000

End at: Sun, 06 Aug 2017 09:07:49 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:42:27 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 111.70 Mbit/s

95th percentile per-packet one-way delay: 87.226 ms

Loss rate: 0.75%

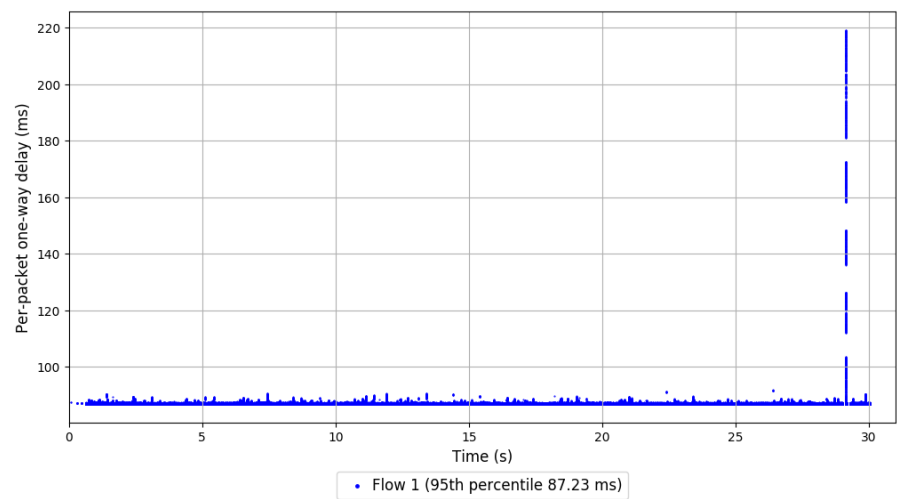
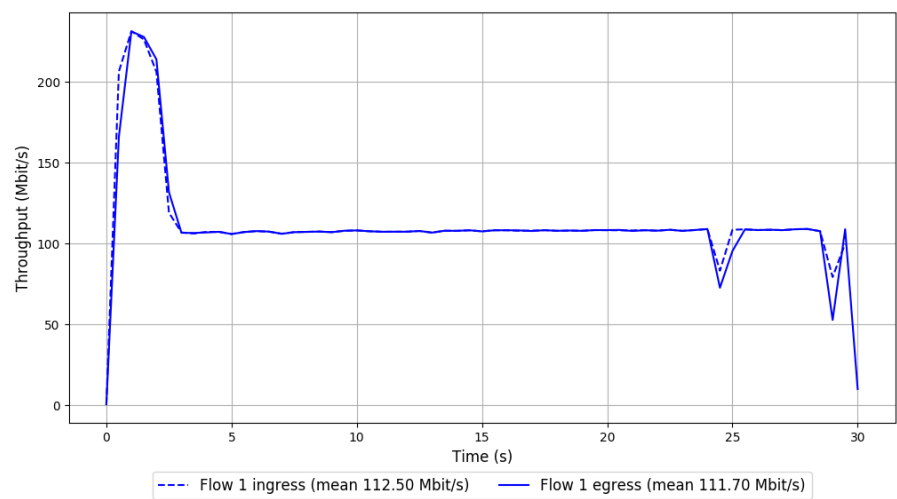
-- Flow 1:

Average throughput: 111.70 Mbit/s

95th percentile per-packet one-way delay: 87.226 ms

Loss rate: 0.75%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: Sun, 06 Aug 2017 09:18:24 +0000

End at: Sun, 06 Aug 2017 09:18:54 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:42:27 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.39 Mbit/s

95th percentile per-packet one-way delay: 87.384 ms

Loss rate: 0.38%

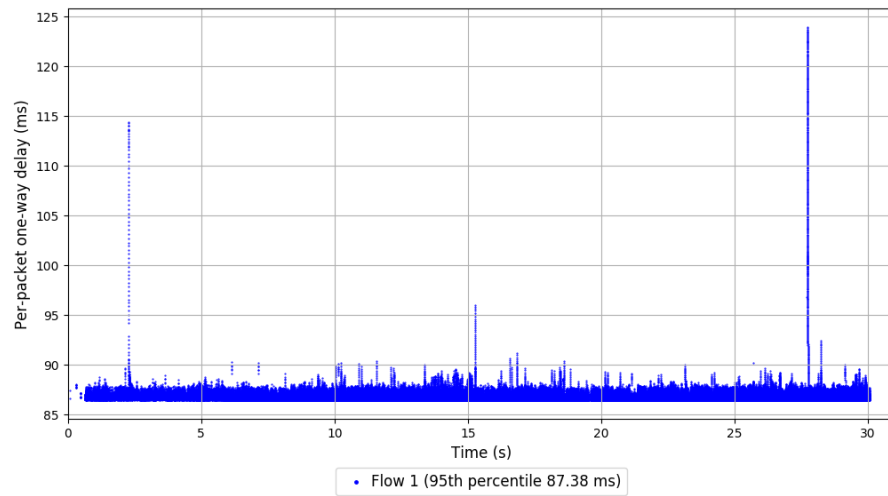
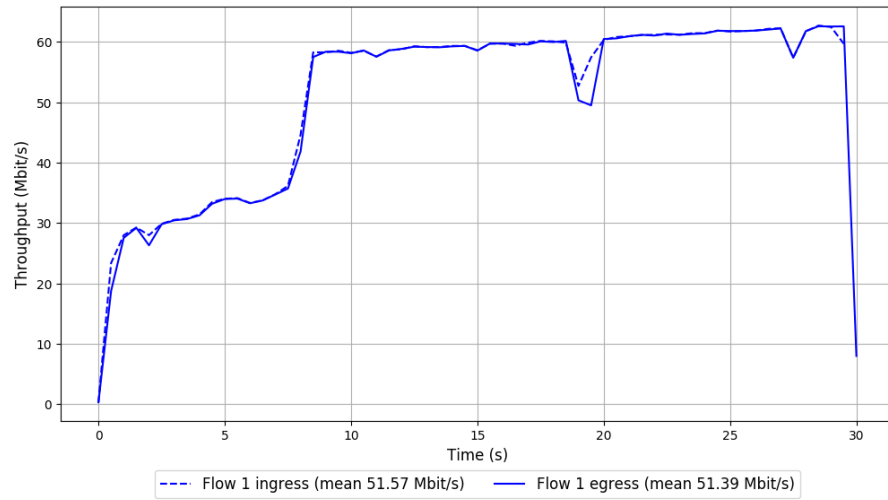
-- Flow 1:

Average throughput: 51.39 Mbit/s

95th percentile per-packet one-way delay: 87.384 ms

Loss rate: 0.38%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: Sun, 06 Aug 2017 09:29:09 +0000

End at: Sun, 06 Aug 2017 09:29:39 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:43:00 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 107.58 Mbit/s

95th percentile per-packet one-way delay: 87.399 ms

Loss rate: 0.01%

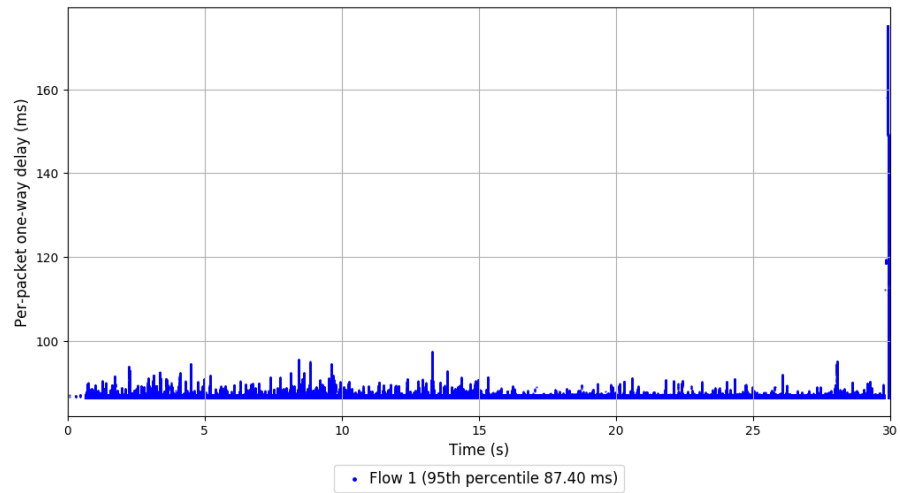
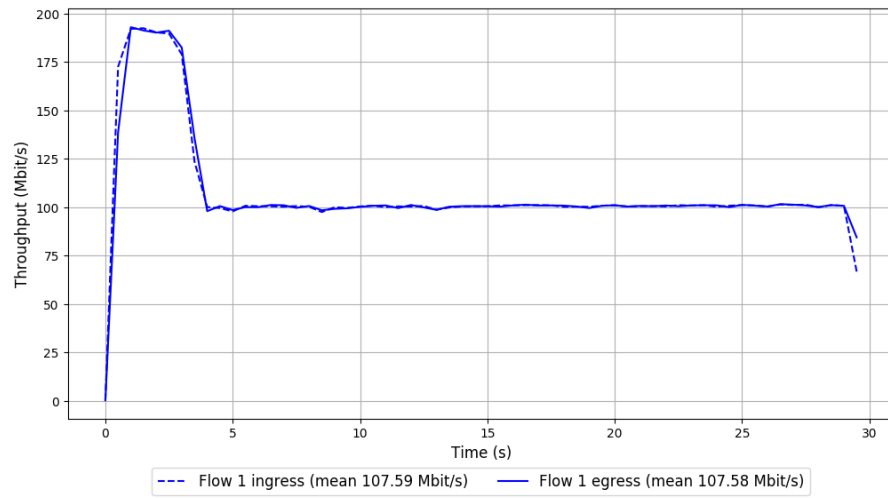
-- Flow 1:

Average throughput: 107.58 Mbit/s

95th percentile per-packet one-way delay: 87.399 ms

Loss rate: 0.01%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: Sun, 06 Aug 2017 09:40:25 +0000

End at: Sun, 06 Aug 2017 09:40:55 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:43:02 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.49 Mbit/s

95th percentile per-packet one-way delay: 86.998 ms

Loss rate: 0.00%

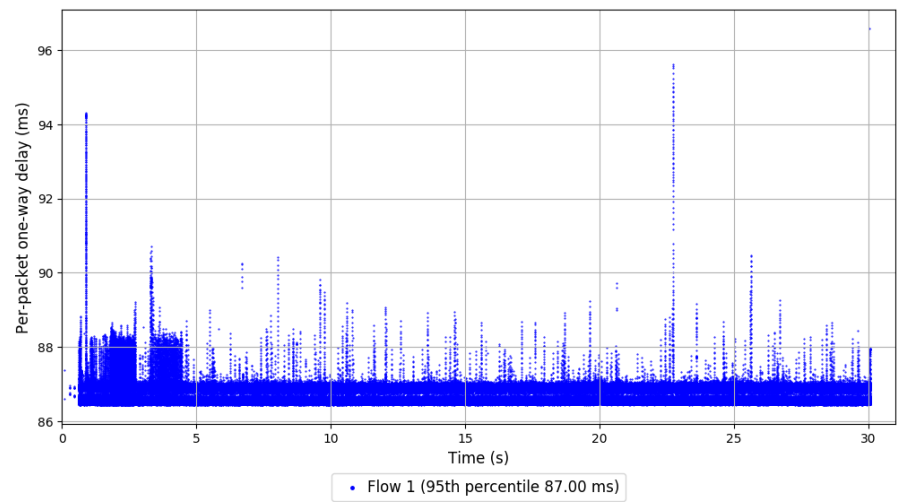
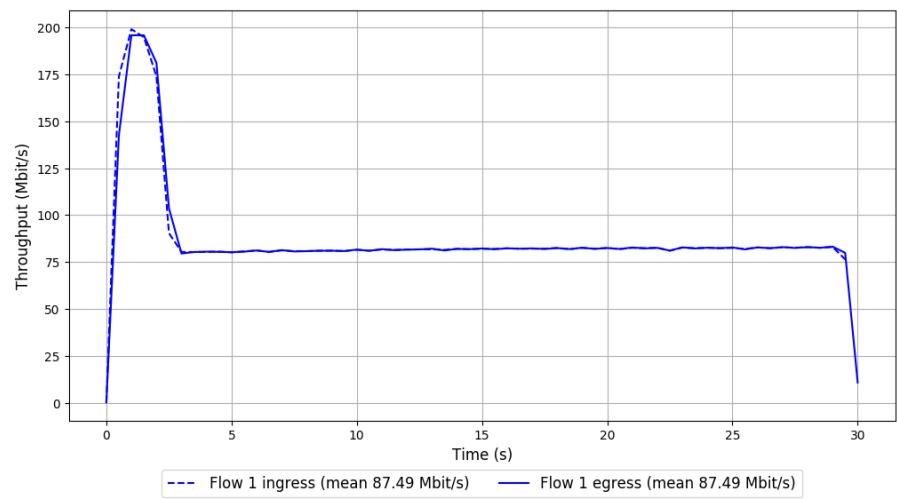
-- Flow 1:

Average throughput: 87.49 Mbit/s

95th percentile per-packet one-way delay: 86.998 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: Sun, 06 Aug 2017 09:51:36 +0000

End at: Sun, 06 Aug 2017 09:52:06 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:43:49 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 126.00 Mbit/s

95th percentile per-packet one-way delay: 86.988 ms

Loss rate: 0.51%

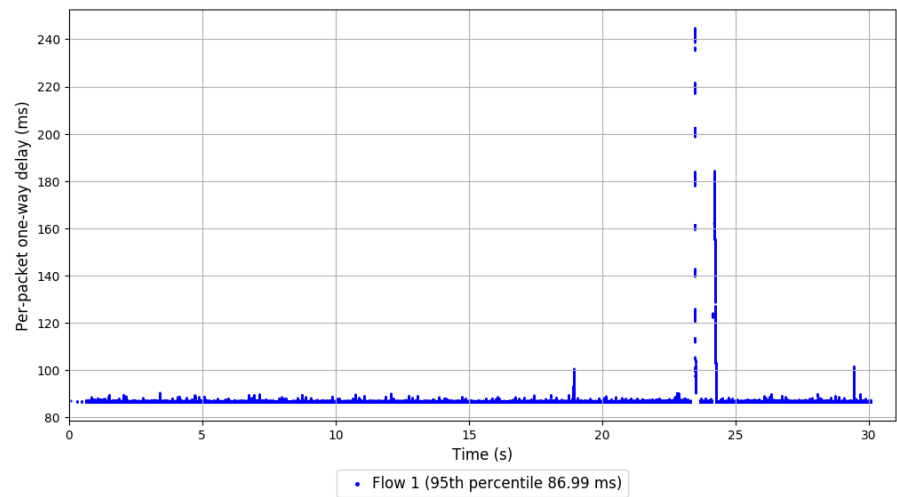
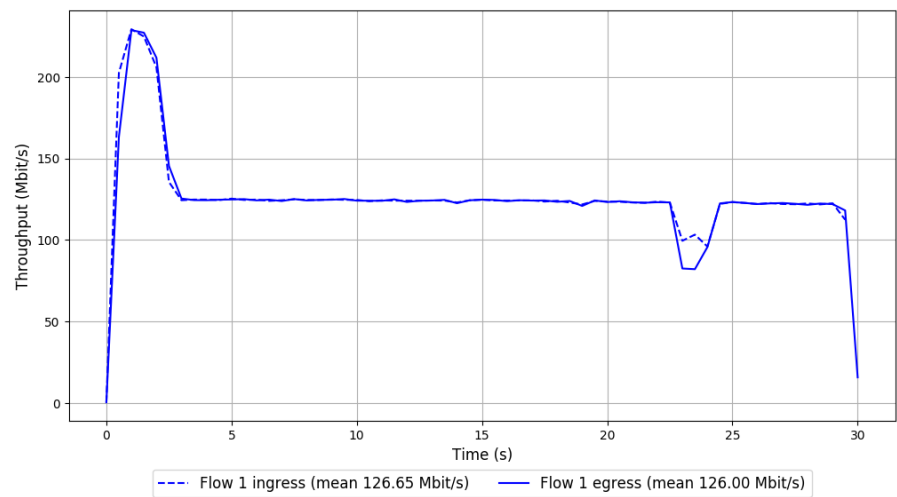
-- Flow 1:

Average throughput: 126.00 Mbit/s

95th percentile per-packet one-way delay: 86.988 ms

Loss rate: 0.51%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: Sun, 06 Aug 2017 10:02:51 +0000

End at: Sun, 06 Aug 2017 10:03:21 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:43:49 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.36 Mbit/s

95th percentile per-packet one-way delay: 86.993 ms

Loss rate: 0.28%

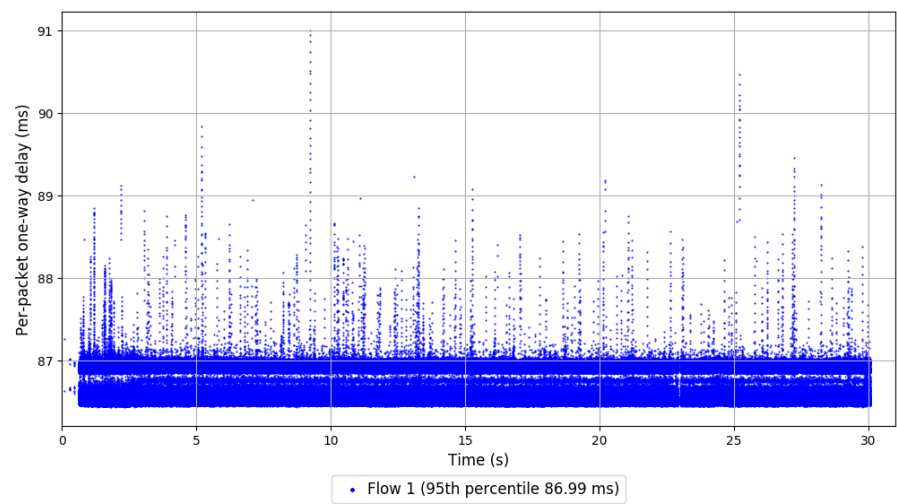
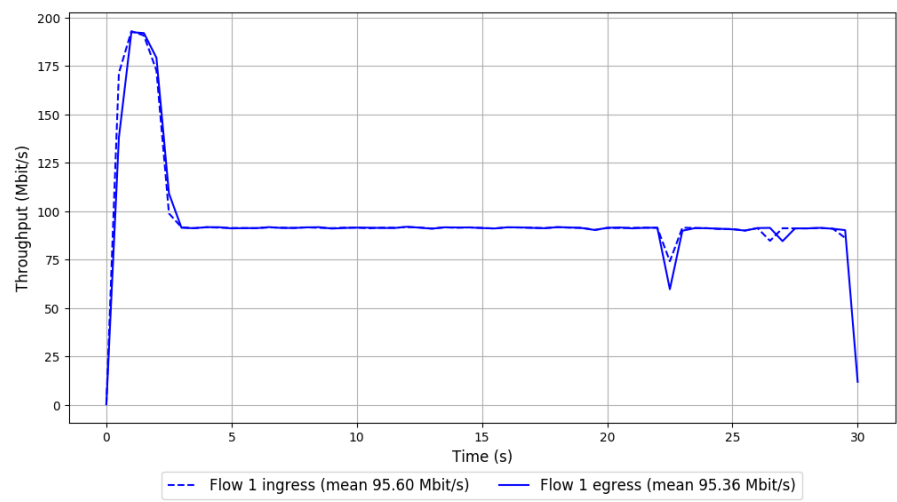
-- Flow 1:

Average throughput: 95.36 Mbit/s

95th percentile per-packet one-way delay: 86.993 ms

Loss rate: 0.28%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: Sun, 06 Aug 2017 10:13:38 +0000

End at: Sun, 06 Aug 2017 10:14:08 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:44:31 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 142.72 Mbit/s

95th percentile per-packet one-way delay: 86.999 ms

Loss rate: 0.11%

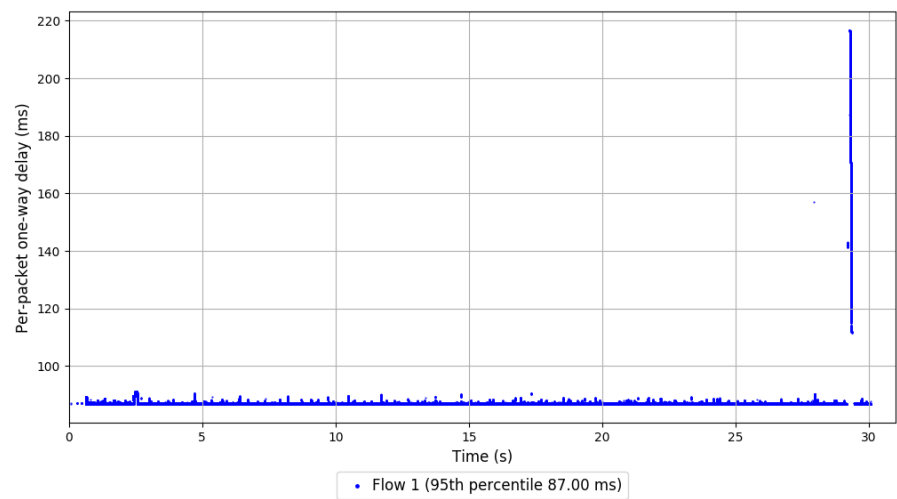
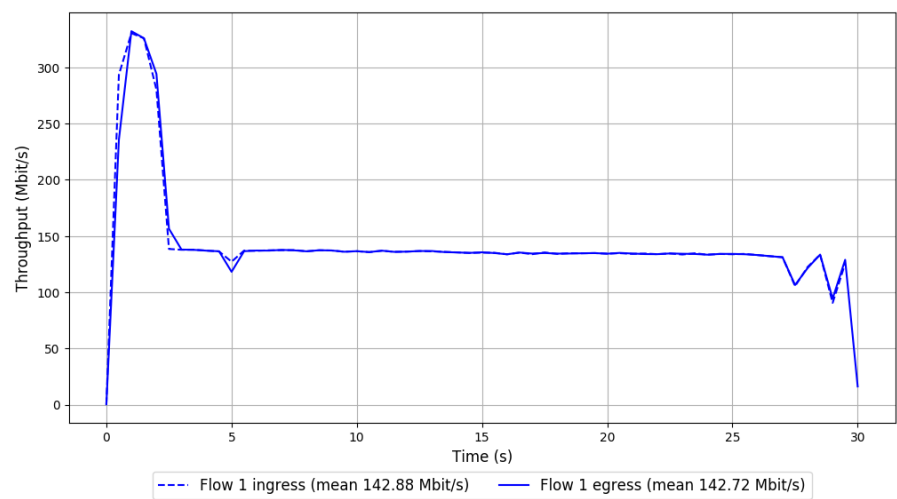
-- Flow 1:

Average throughput: 142.72 Mbit/s

95th percentile per-packet one-way delay: 86.999 ms

Loss rate: 0.11%

Run 8: Report of Copa — Data Link

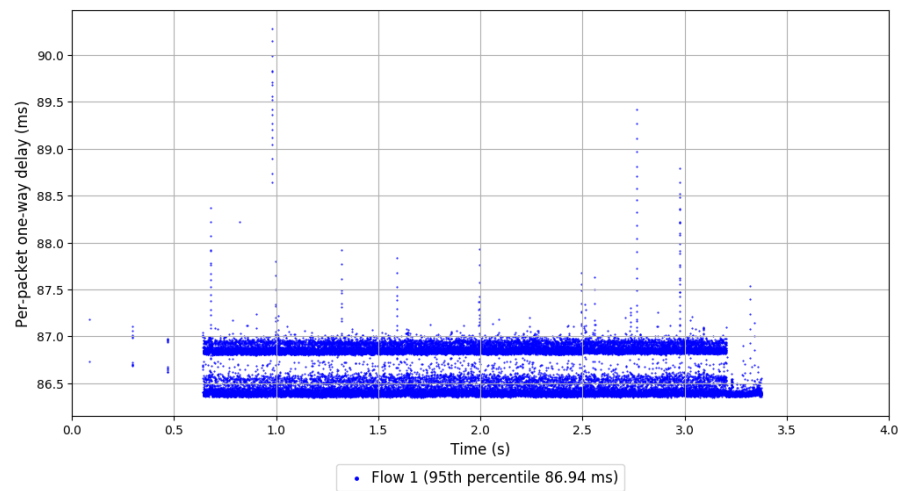
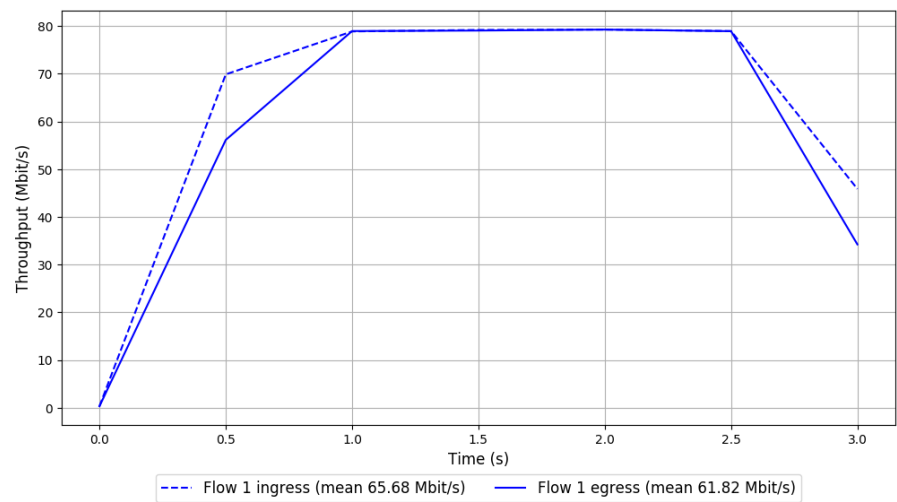


Run 9: Statistics of Copa

Start at: Sun, 06 Aug 2017 10:24:40 +0000

End at: Sun, 06 Aug 2017 10:25:10 +0000

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: Sun, 06 Aug 2017 10:35:36 +0000

End at: Sun, 06 Aug 2017 10:36:06 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:44:40 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 115.94 Mbit/s

95th percentile per-packet one-way delay: 86.931 ms

Loss rate: 0.03%

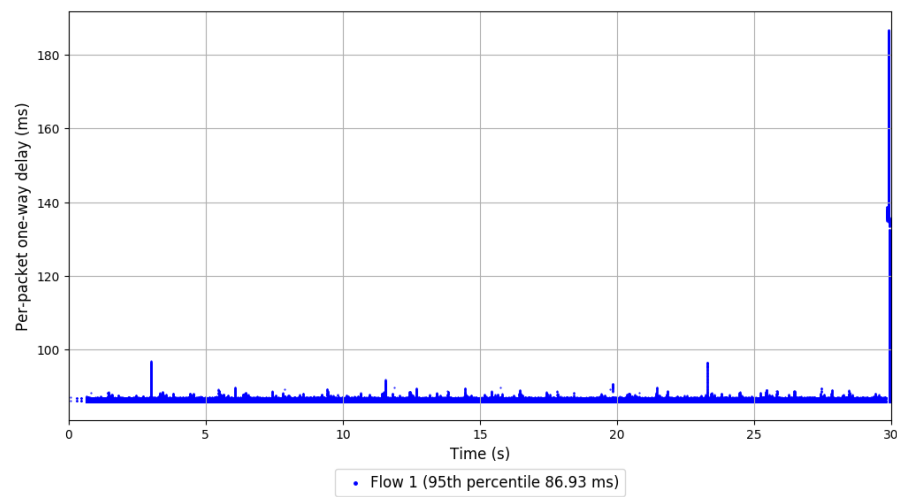
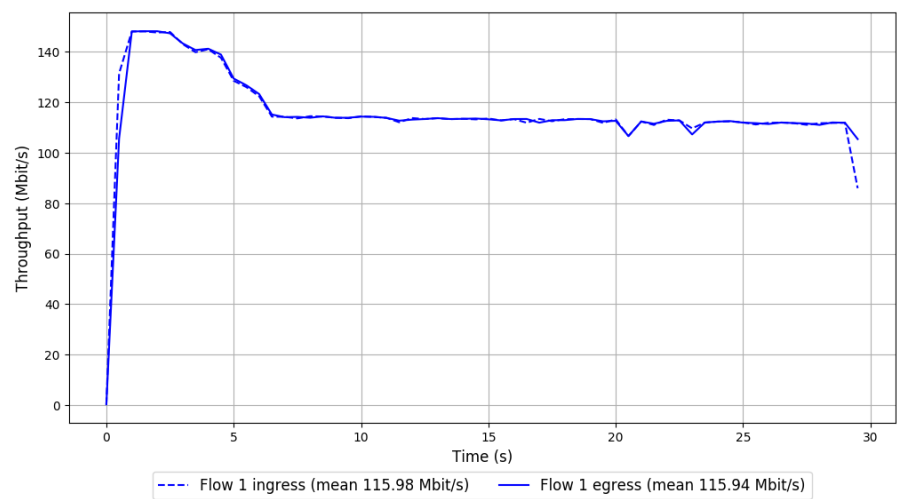
-- Flow 1:

Average throughput: 115.94 Mbit/s

95th percentile per-packet one-way delay: 86.931 ms

Loss rate: 0.03%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 08:53:37 +0000

End at: Sun, 06 Aug 2017 08:54:07 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:44:40 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.88 Mbit/s

95th percentile per-packet one-way delay: 87.821 ms

Loss rate: 1.44%

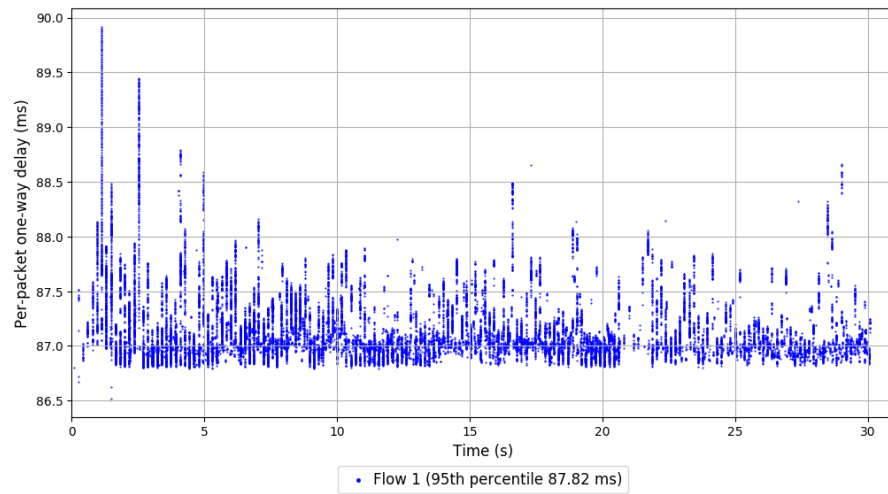
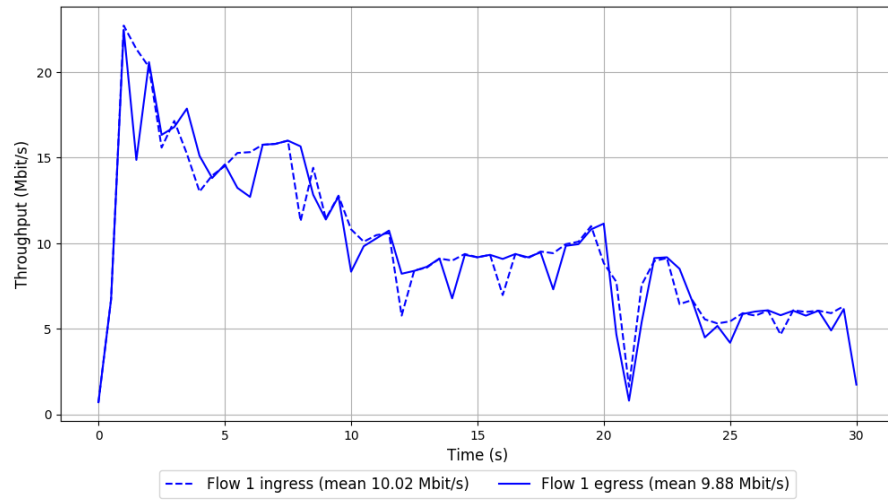
-- Flow 1:

Average throughput: 9.88 Mbit/s

95th percentile per-packet one-way delay: 87.821 ms

Loss rate: 1.44%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 09:04:33 +0000

End at: Sun, 06 Aug 2017 09:05:03 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:44:41 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 19.01 Mbit/s

95th percentile per-packet one-way delay: 88.358 ms

Loss rate: 1.53%

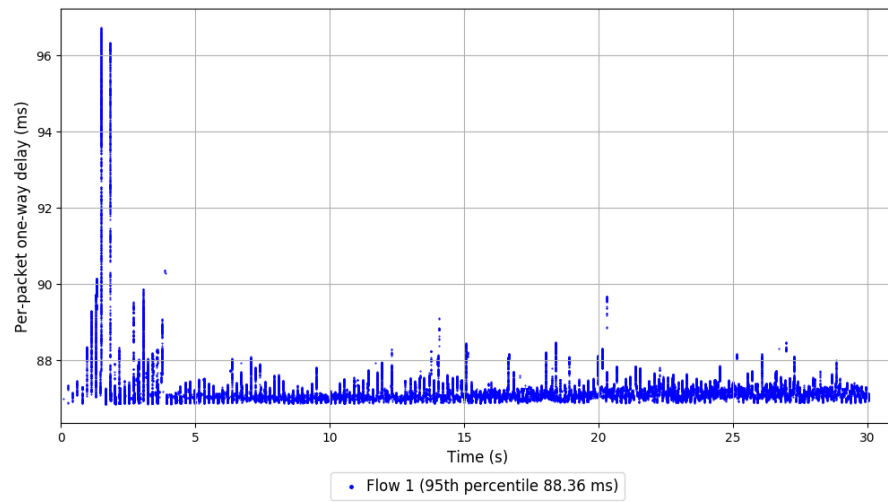
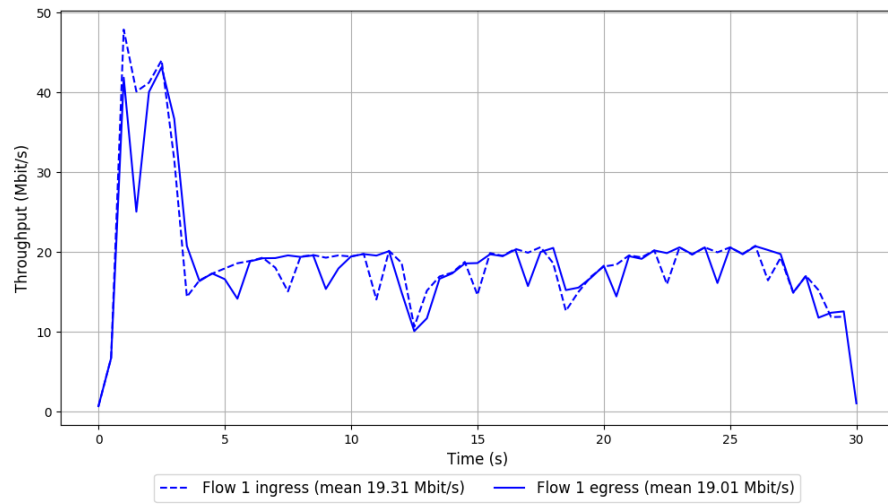
-- Flow 1:

Average throughput: 19.01 Mbit/s

95th percentile per-packet one-way delay: 88.358 ms

Loss rate: 1.53%

Run 2: Report of TCP Cubic — Data Link

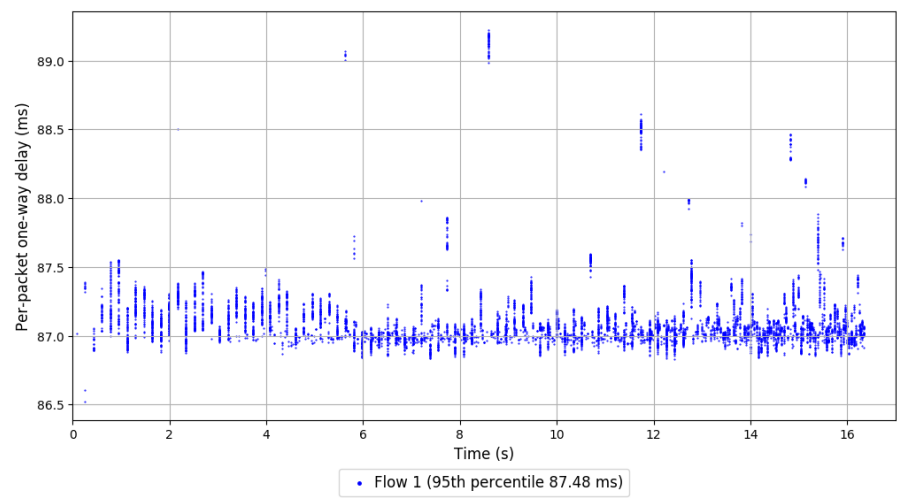
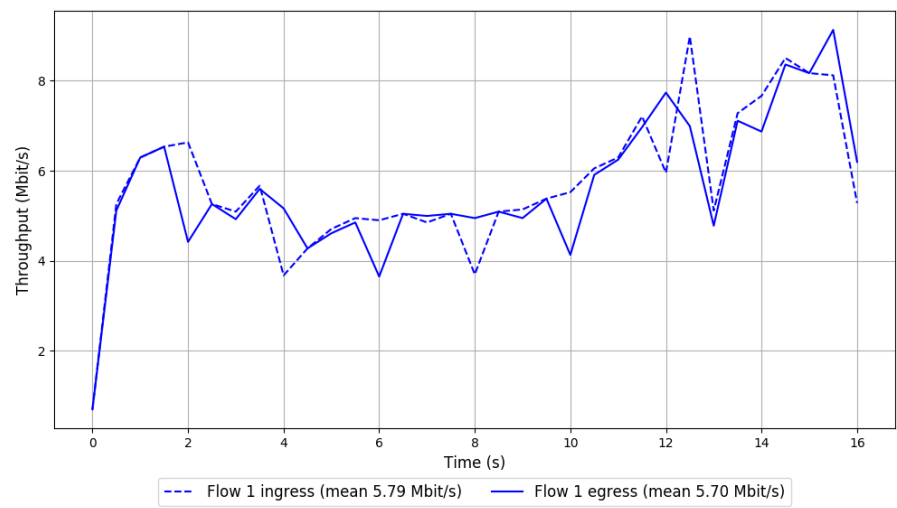


Run 3: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 09:15:41 +0000

End at: Sun, 06 Aug 2017 09:16:11 +0000

Run 3: Report of TCP Cubic — Data Link

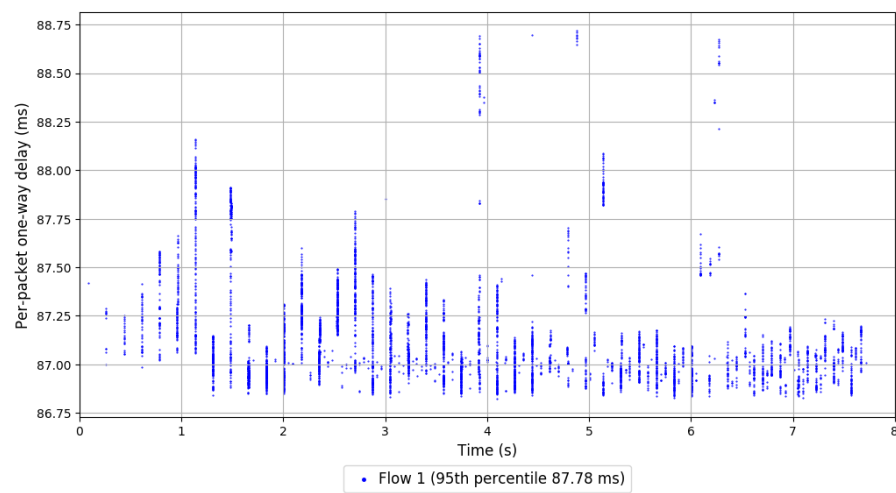
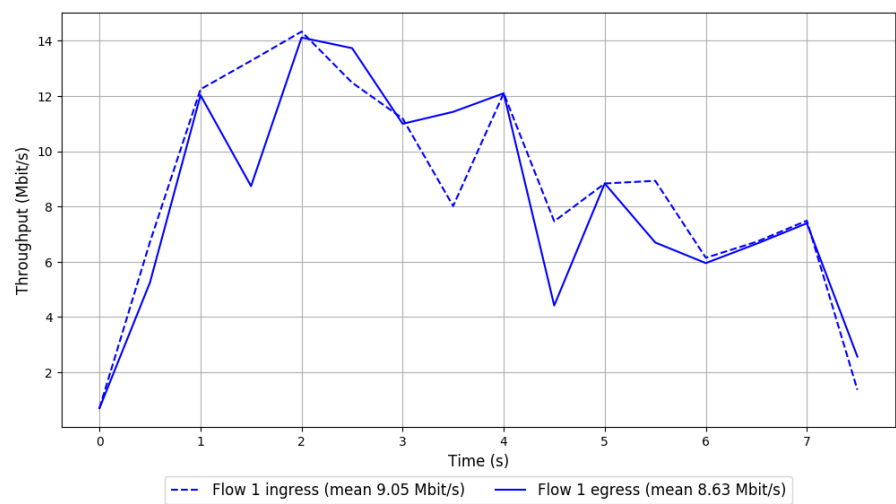


Run 4: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 09:26:22 +0000

End at: Sun, 06 Aug 2017 09:26:52 +0000

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 09:37:34 +0000

End at: Sun, 06 Aug 2017 09:38:04 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:44:47 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.10 Mbit/s

95th percentile per-packet one-way delay: 87.600 ms

Loss rate: 0.66%

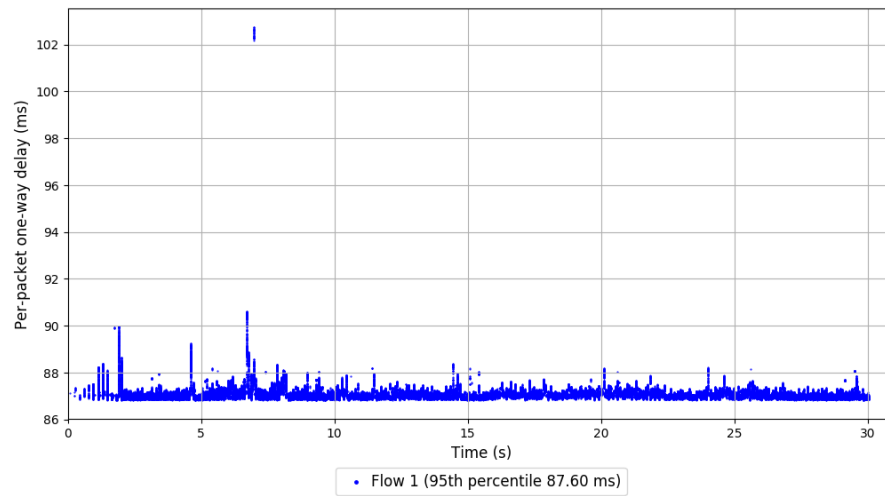
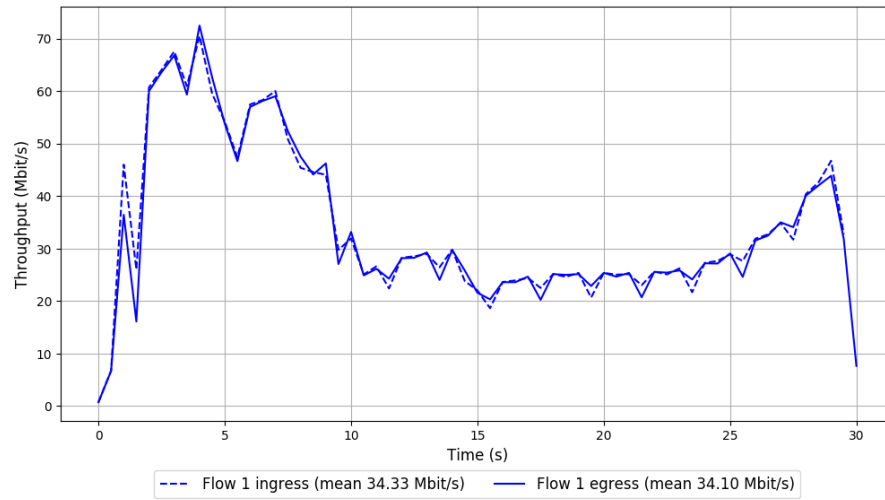
-- Flow 1:

Average throughput: 34.10 Mbit/s

95th percentile per-packet one-way delay: 87.600 ms

Loss rate: 0.66%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 09:48:51 +0000

End at: Sun, 06 Aug 2017 09:49:21 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:44:47 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.66 Mbit/s

95th percentile per-packet one-way delay: 87.439 ms

Loss rate: 1.65%

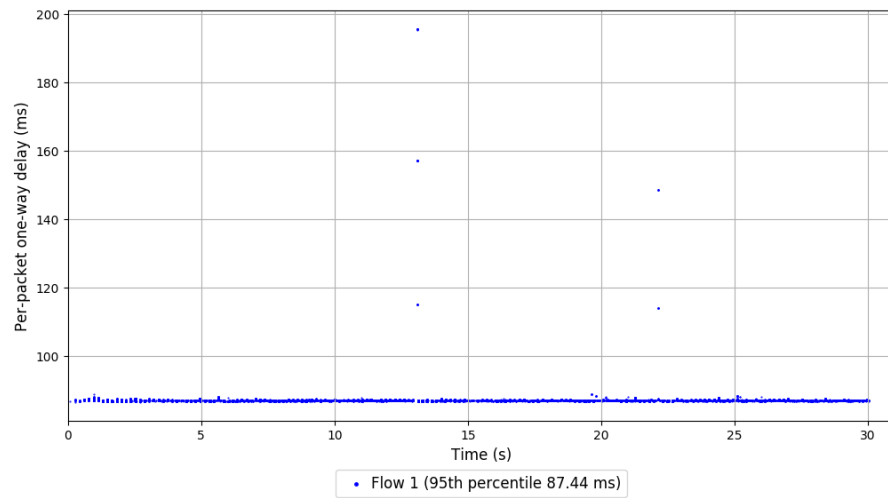
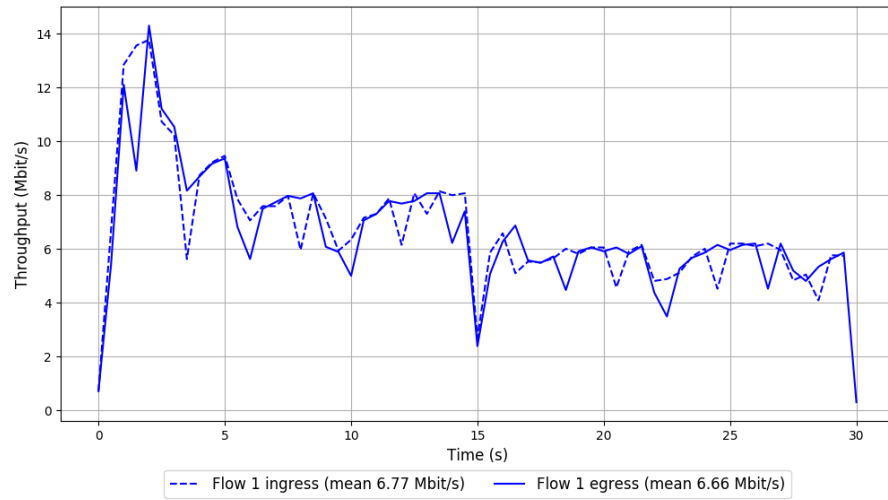
-- Flow 1:

Average throughput: 6.66 Mbit/s

95th percentile per-packet one-way delay: 87.439 ms

Loss rate: 1.65%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 10:00:08 +0000

End at: Sun, 06 Aug 2017 10:00:38 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:44:47 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.32 Mbit/s

95th percentile per-packet one-way delay: 87.410 ms

Loss rate: 2.35%

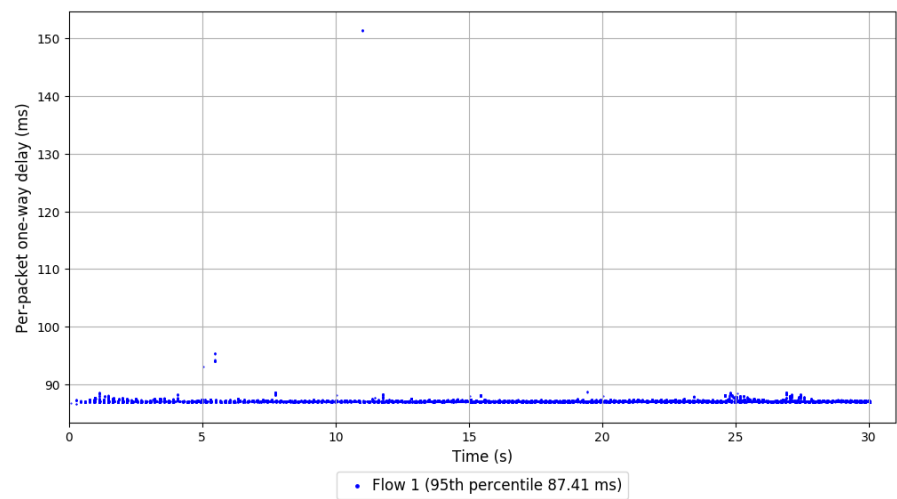
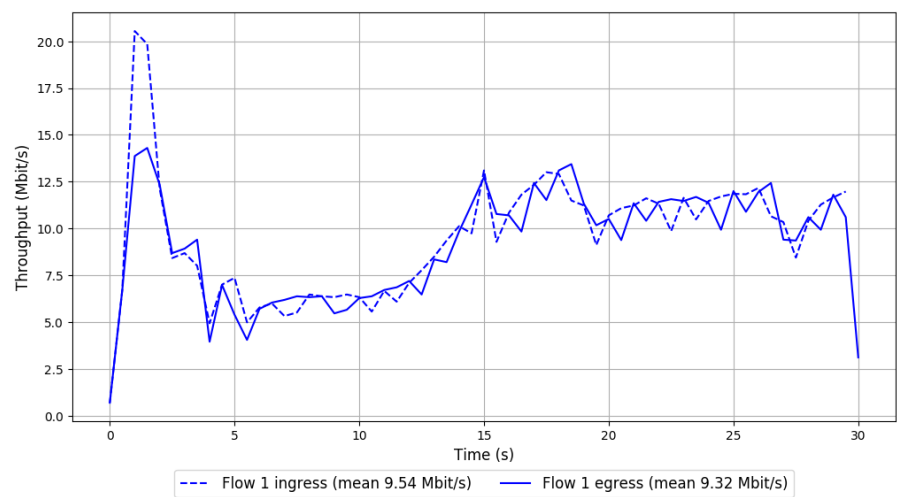
-- Flow 1:

Average throughput: 9.32 Mbit/s

95th percentile per-packet one-way delay: 87.410 ms

Loss rate: 2.35%

Run 7: Report of TCP Cubic — Data Link

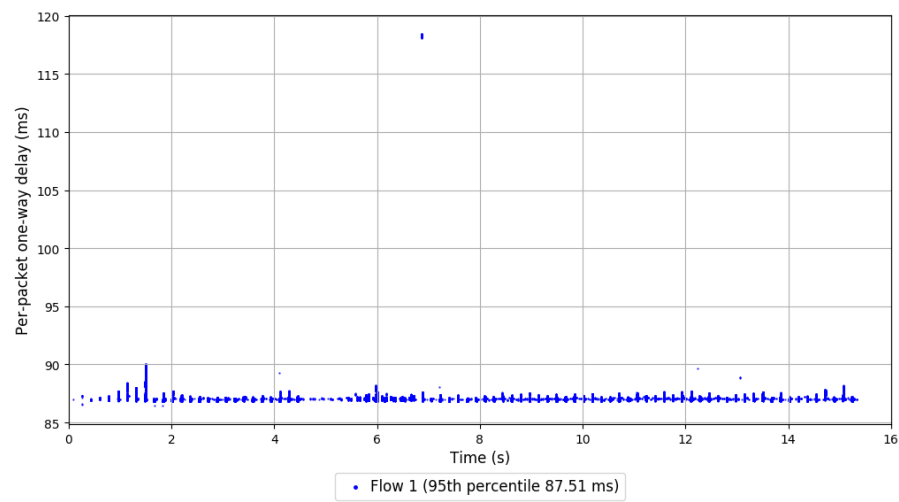
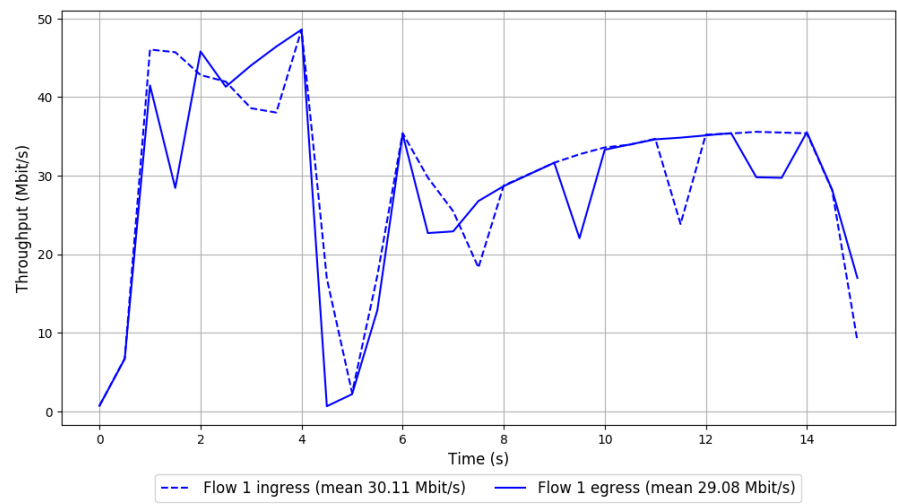


Run 8: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 10:10:52 +0000

End at: Sun, 06 Aug 2017 10:11:22 +0000

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 10:21:58 +0000

End at: Sun, 06 Aug 2017 10:22:28 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:44:50 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.05 Mbit/s

95th percentile per-packet one-way delay: 87.241 ms

Loss rate: 1.06%

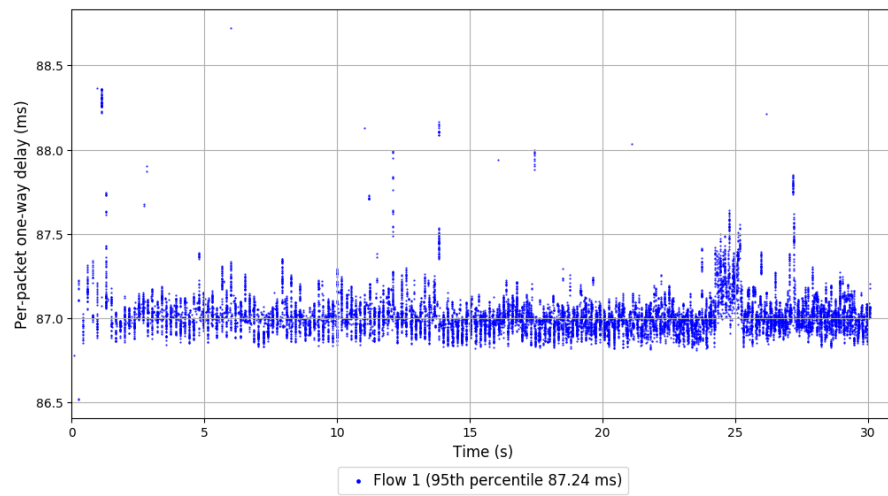
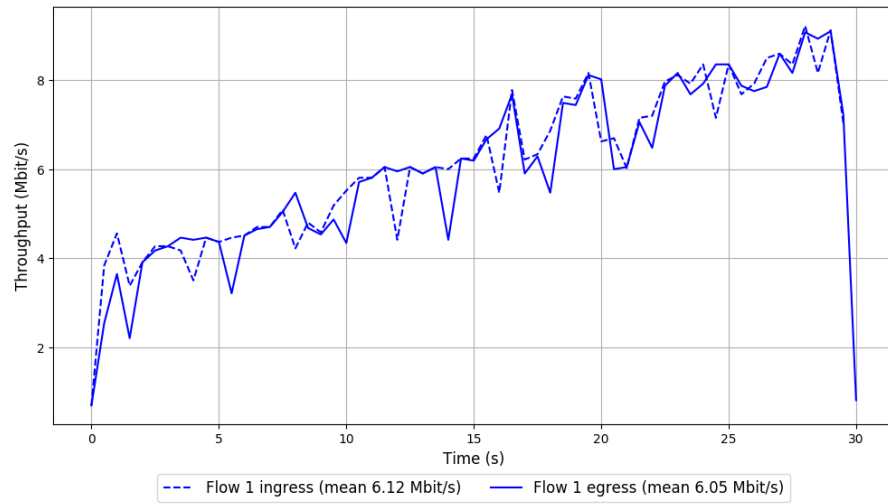
-- Flow 1:

Average throughput: 6.05 Mbit/s

95th percentile per-packet one-way delay: 87.241 ms

Loss rate: 1.06%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 10:32:53 +0000

End at: Sun, 06 Aug 2017 10:33:23 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:44:53 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.50 Mbit/s

95th percentile per-packet one-way delay: 87.240 ms

Loss rate: 0.26%

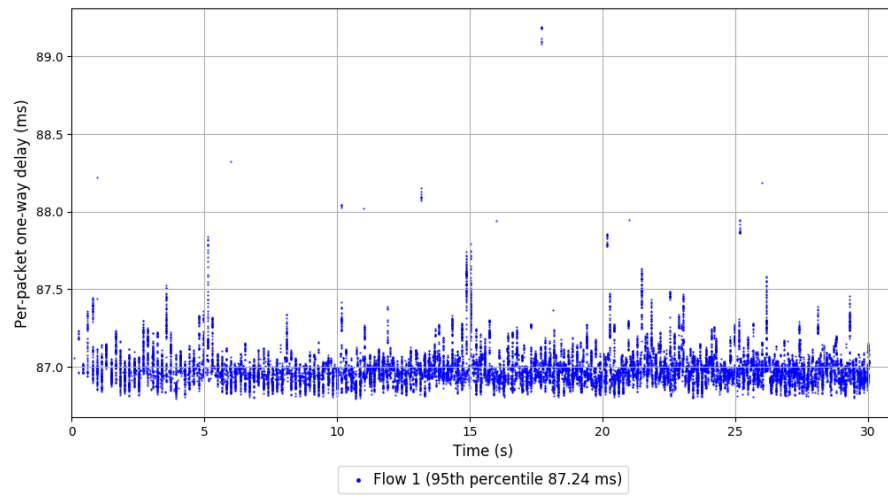
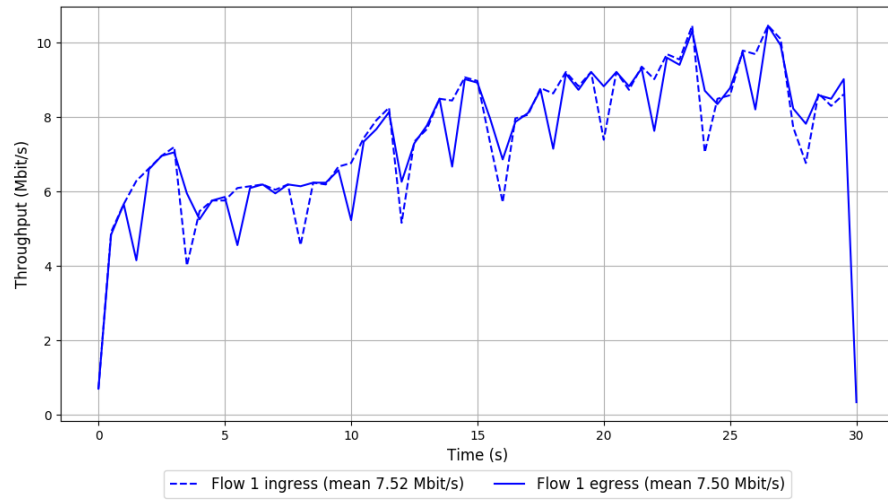
-- Flow 1:

Average throughput: 7.50 Mbit/s

95th percentile per-packet one-way delay: 87.240 ms

Loss rate: 0.26%

Run 10: Report of TCP Cubic — Data Link

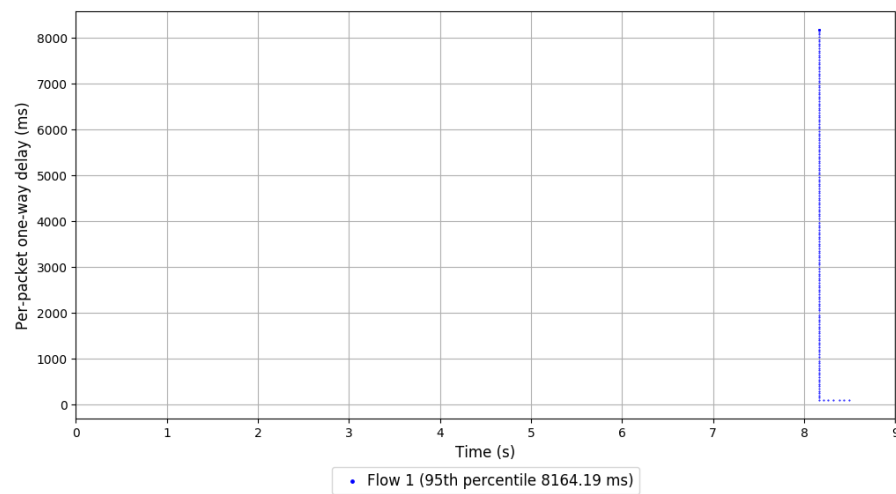
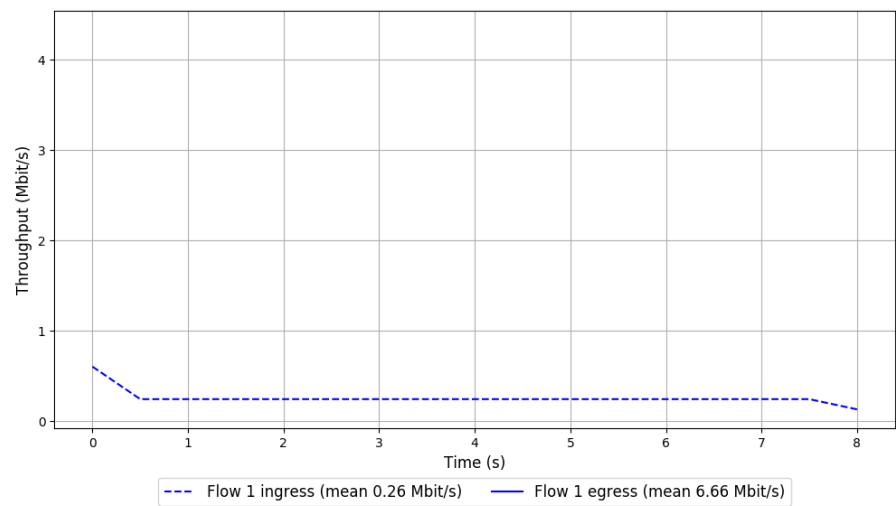


Run 1: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 08:52:58 +0000

End at: Sun, 06 Aug 2017 08:53:28 +0000

Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 09:03:53 +0000

End at: Sun, 06 Aug 2017 09:04:23 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:44:54 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.74 Mbit/s

95th percentile per-packet one-way delay: 87.189 ms

Loss rate: 0.00%

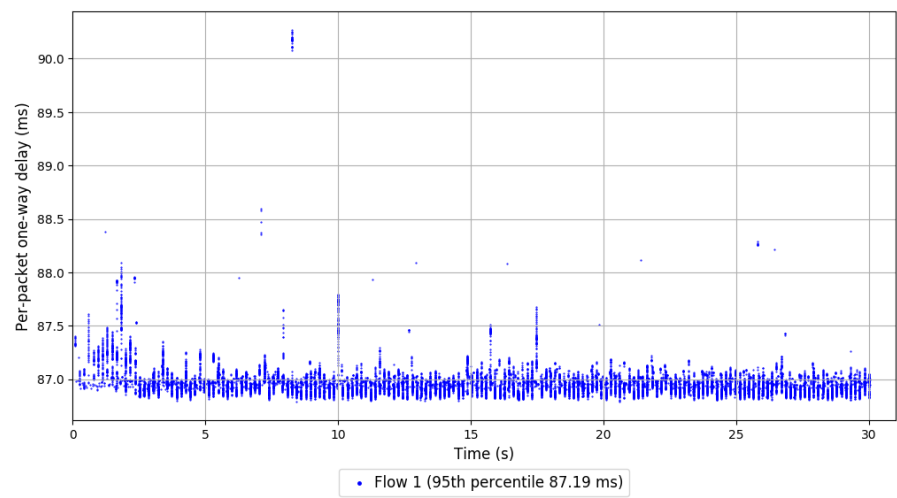
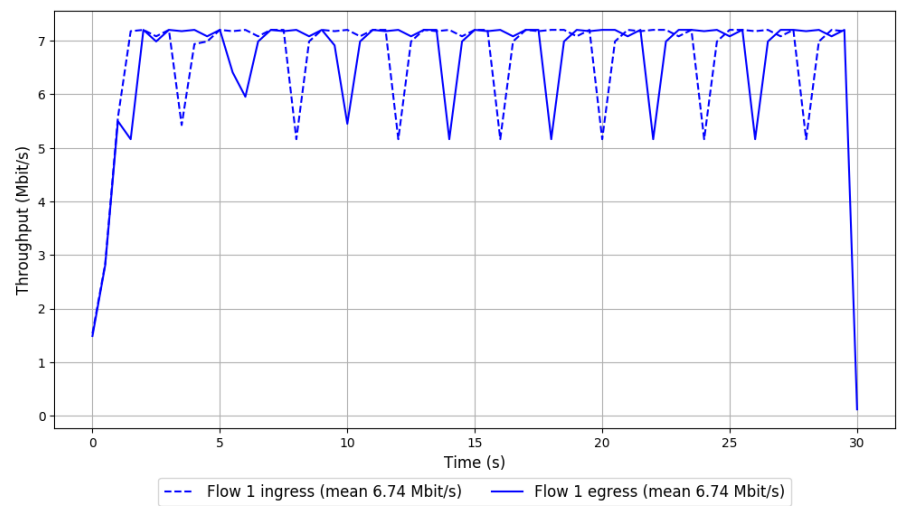
-- Flow 1:

Average throughput: 6.74 Mbit/s

95th percentile per-packet one-way delay: 87.189 ms

Loss rate: 0.00%

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 09:15:01 +0000

End at: Sun, 06 Aug 2017 09:15:31 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:44:56 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.65 Mbit/s

95th percentile per-packet one-way delay: 87.373 ms

Loss rate: 1.10%

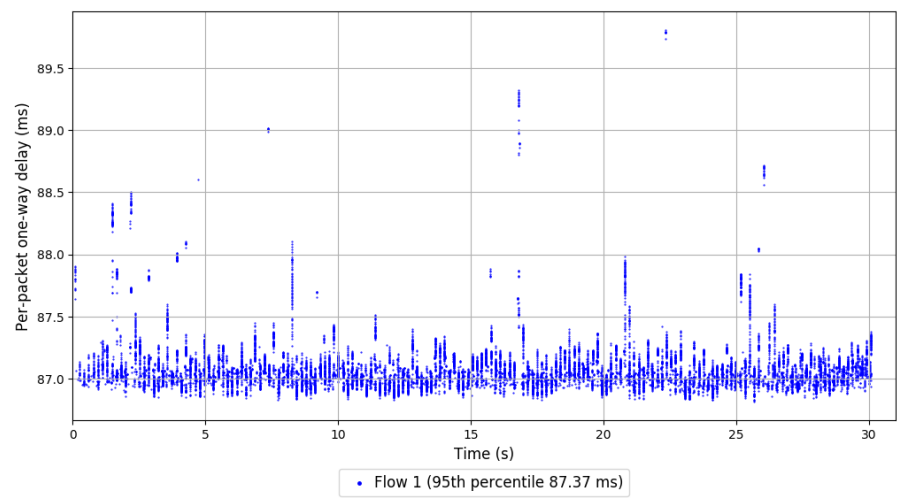
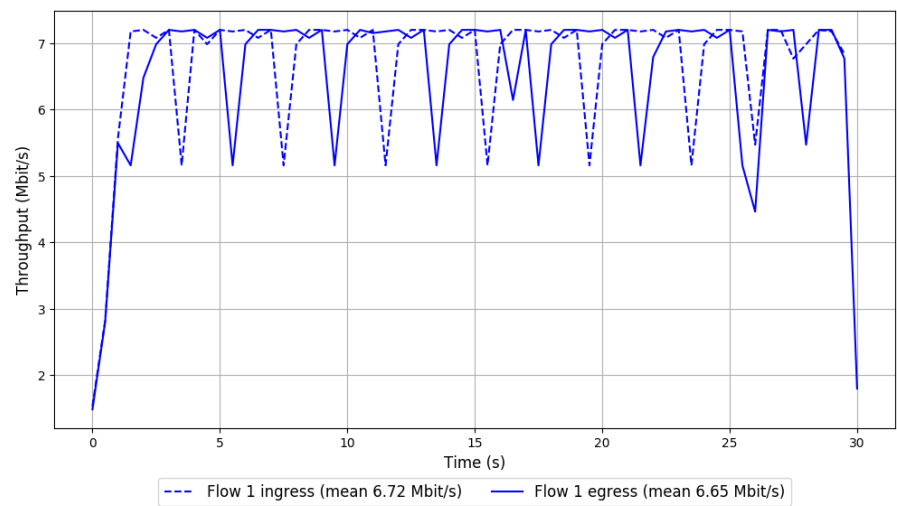
-- Flow 1:

Average throughput: 6.65 Mbit/s

95th percentile per-packet one-way delay: 87.373 ms

Loss rate: 1.10%

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 09:25:42 +0000

End at: Sun, 06 Aug 2017 09:26:12 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:44:57 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.70 Mbit/s

95th percentile per-packet one-way delay: 87.368 ms

Loss rate: 0.57%

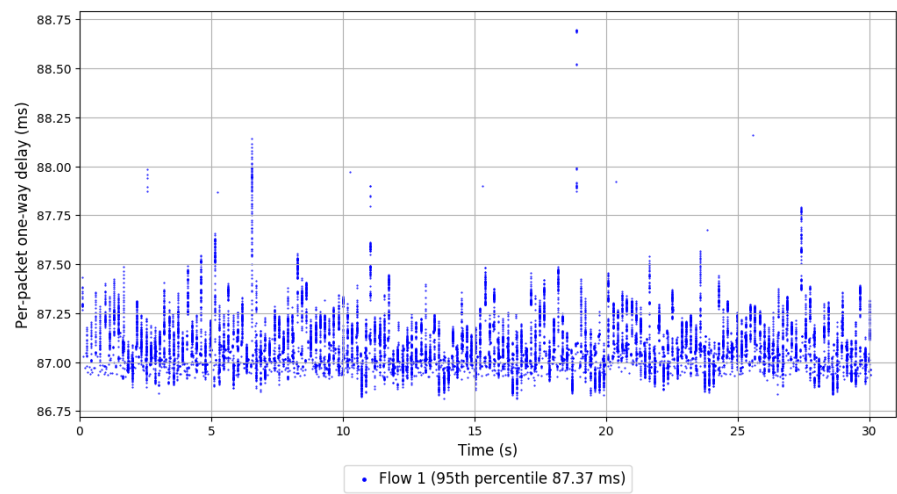
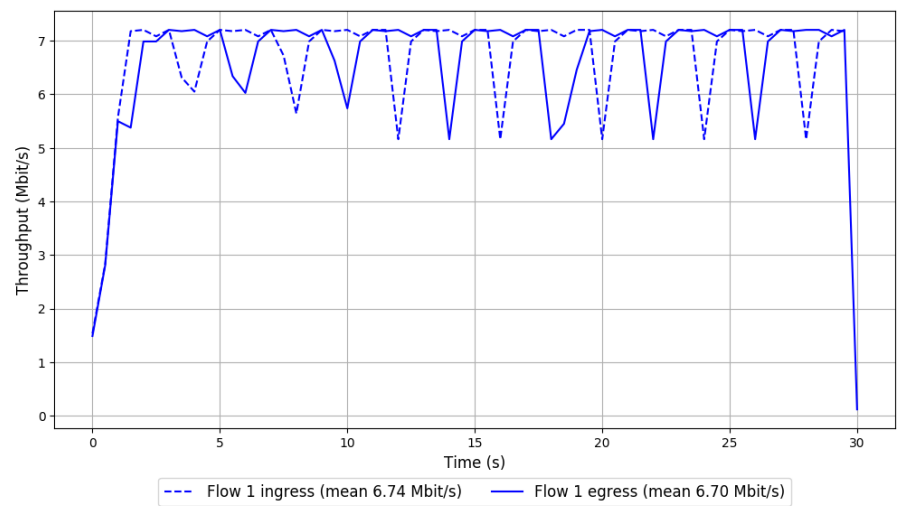
-- Flow 1:

Average throughput: 6.70 Mbit/s

95th percentile per-packet one-way delay: 87.368 ms

Loss rate: 0.57%

Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 09:36:54 +0000

End at: Sun, 06 Aug 2017 09:37:24 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:44:59 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.48 Mbit/s

95th percentile per-packet one-way delay: 87.396 ms

Loss rate: 3.20%

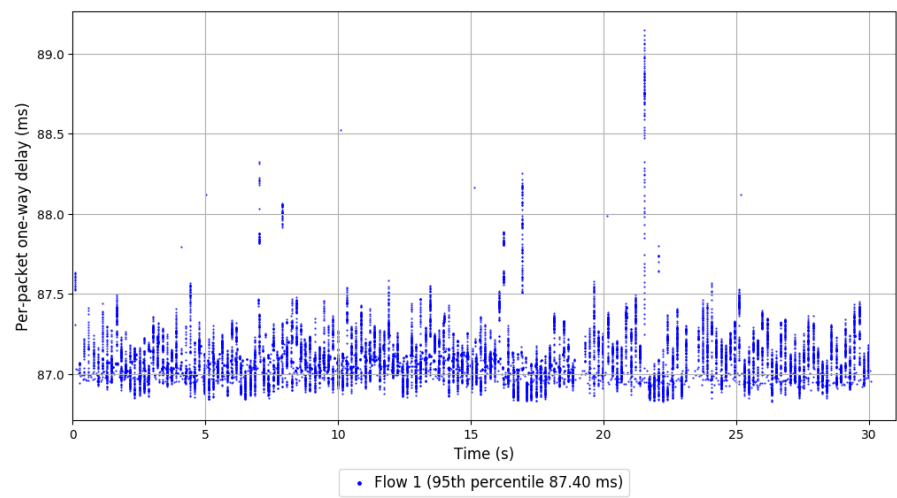
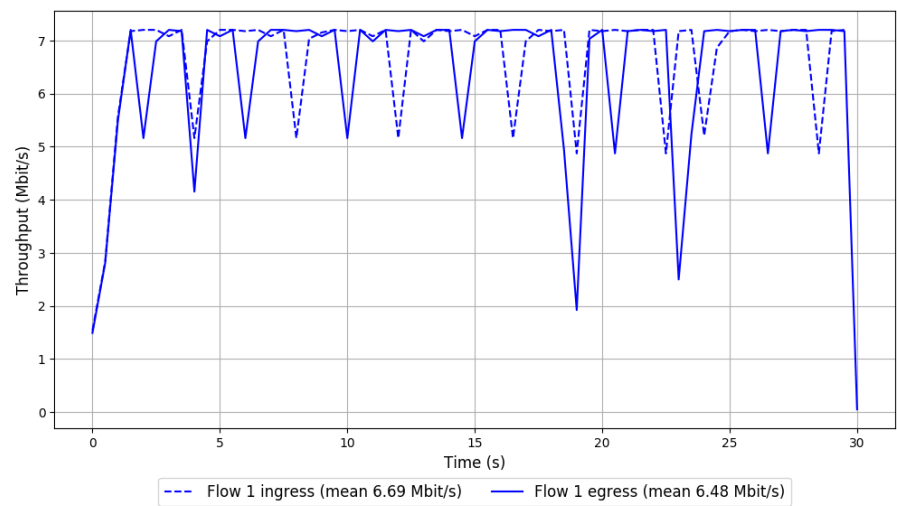
-- Flow 1:

Average throughput: 6.48 Mbit/s

95th percentile per-packet one-way delay: 87.396 ms

Loss rate: 3.20%

Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 09:48:11 +0000

End at: Sun, 06 Aug 2017 09:48:41 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:44:59 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.64 Mbit/s

95th percentile per-packet one-way delay: 87.474 ms

Loss rate: 0.84%

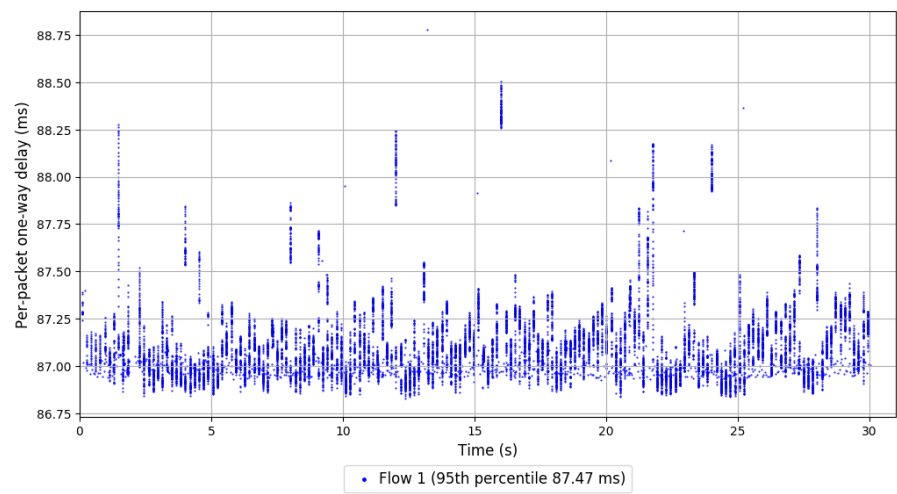
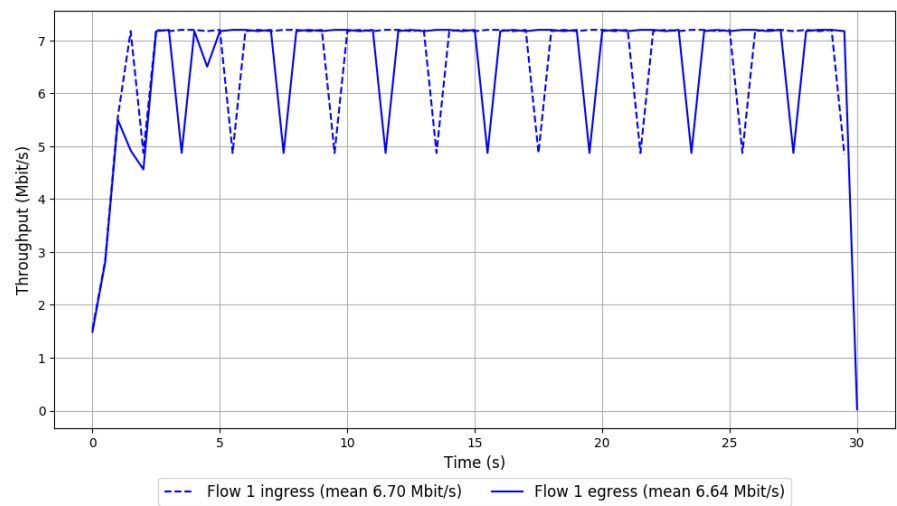
-- Flow 1:

Average throughput: 6.64 Mbit/s

95th percentile per-packet one-way delay: 87.474 ms

Loss rate: 0.84%

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 09:59:28 +0000

End at: Sun, 06 Aug 2017 09:59:58 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:45:02 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.72 Mbit/s

95th percentile per-packet one-way delay: 87.204 ms

Loss rate: 0.15%

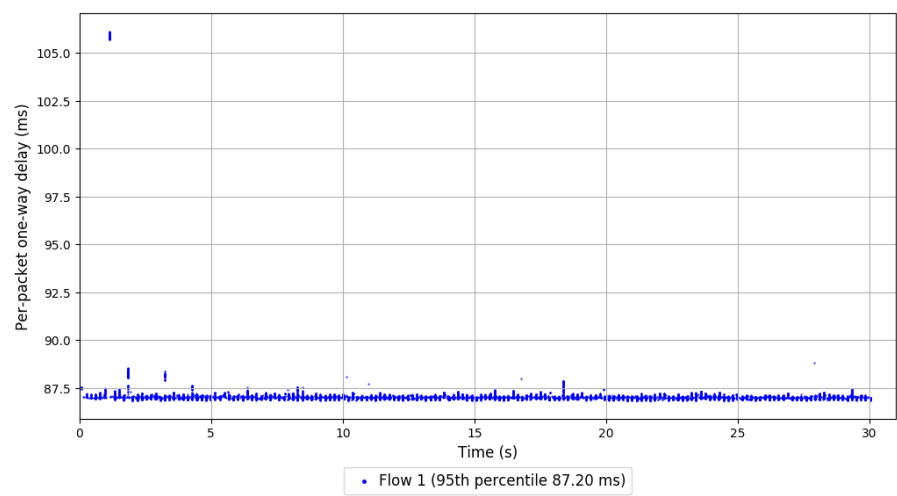
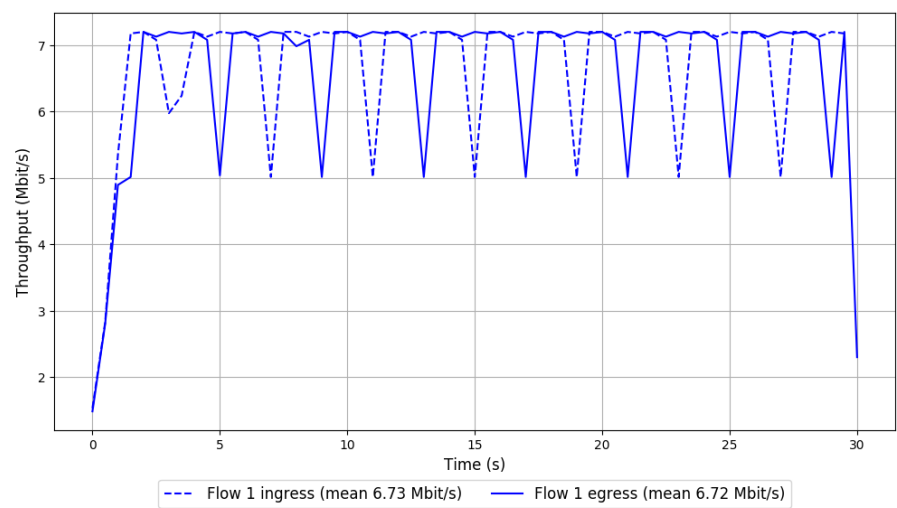
-- Flow 1:

Average throughput: 6.72 Mbit/s

95th percentile per-packet one-way delay: 87.204 ms

Loss rate: 0.15%

Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 10:10:12 +0000

End at: Sun, 06 Aug 2017 10:10:42 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:45:02 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.60 Mbit/s

95th percentile per-packet one-way delay: 87.734 ms

Loss rate: 1.05%

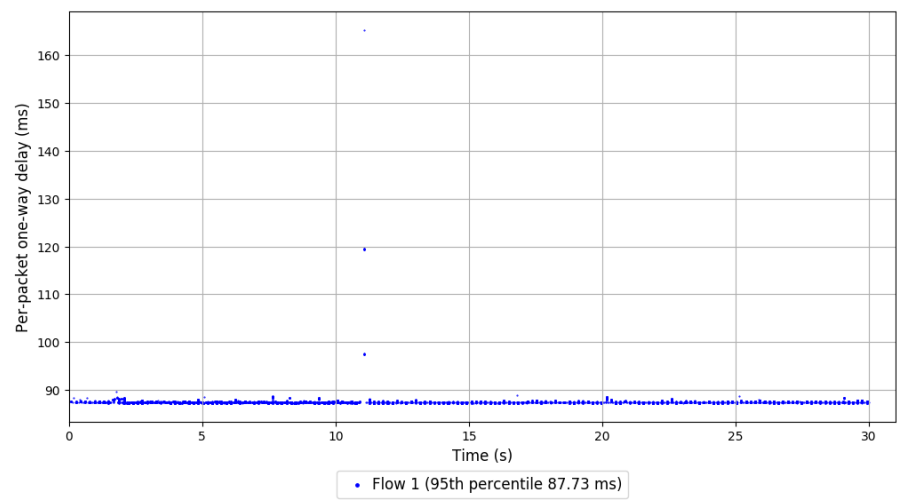
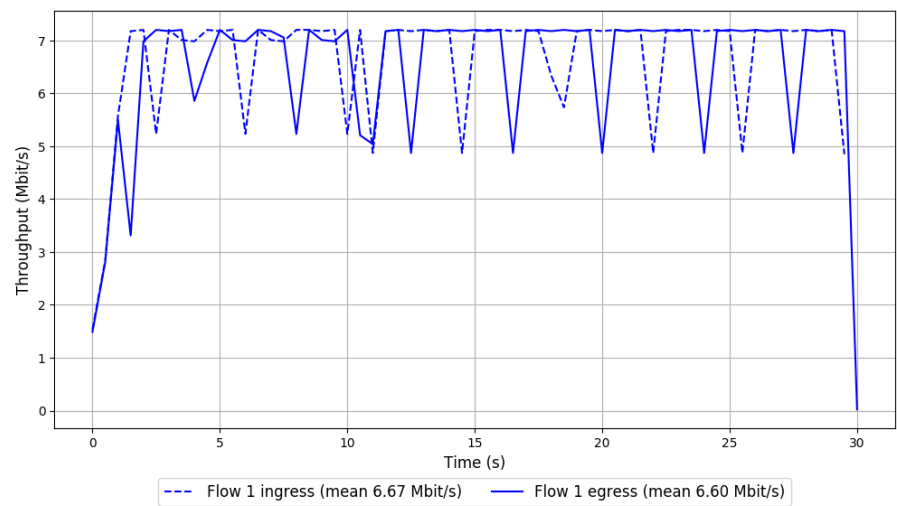
-- Flow 1:

Average throughput: 6.60 Mbit/s

95th percentile per-packet one-way delay: 87.734 ms

Loss rate: 1.05%

Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 10:21:18 +0000

End at: Sun, 06 Aug 2017 10:21:48 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:45:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.74 Mbit/s

95th percentile per-packet one-way delay: 87.272 ms

Loss rate: 0.00%

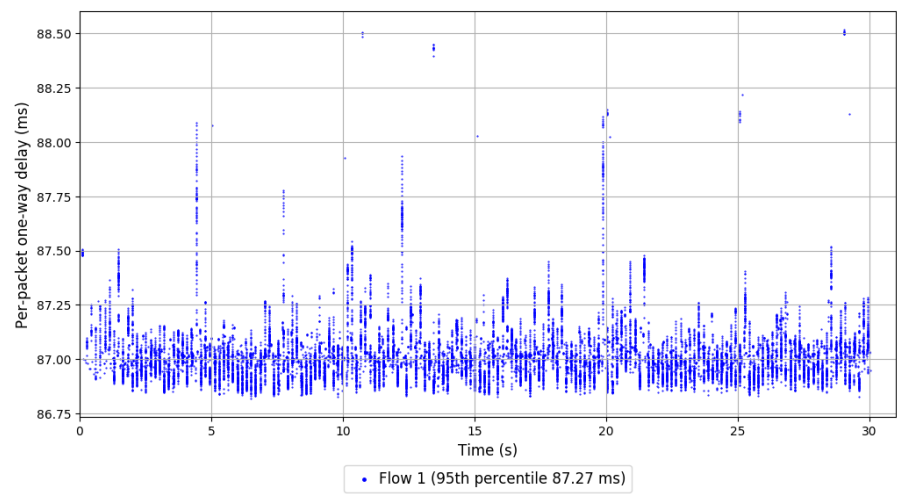
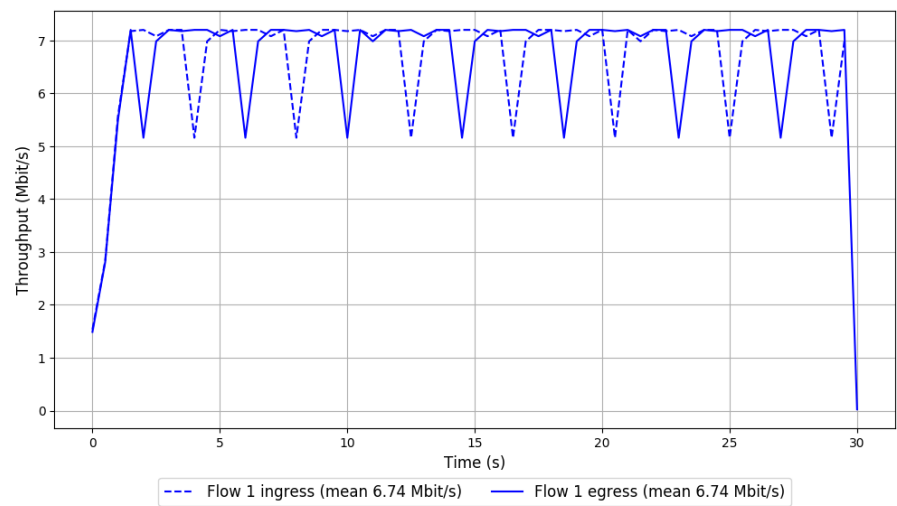
-- Flow 1:

Average throughput: 6.74 Mbit/s

95th percentile per-packet one-way delay: 87.272 ms

Loss rate: 0.00%

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 10:32:13 +0000

End at: Sun, 06 Aug 2017 10:32:43 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:45:06 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.70 Mbit/s

95th percentile per-packet one-way delay: 87.402 ms

Loss rate: 0.82%

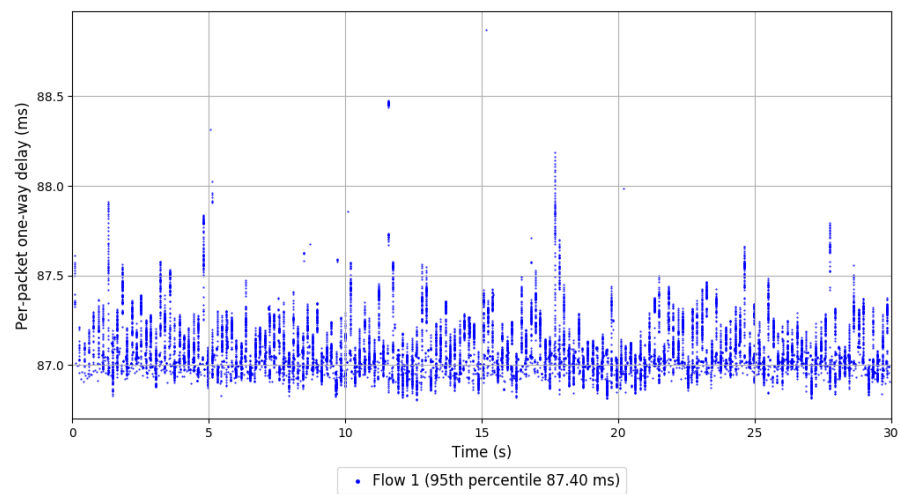
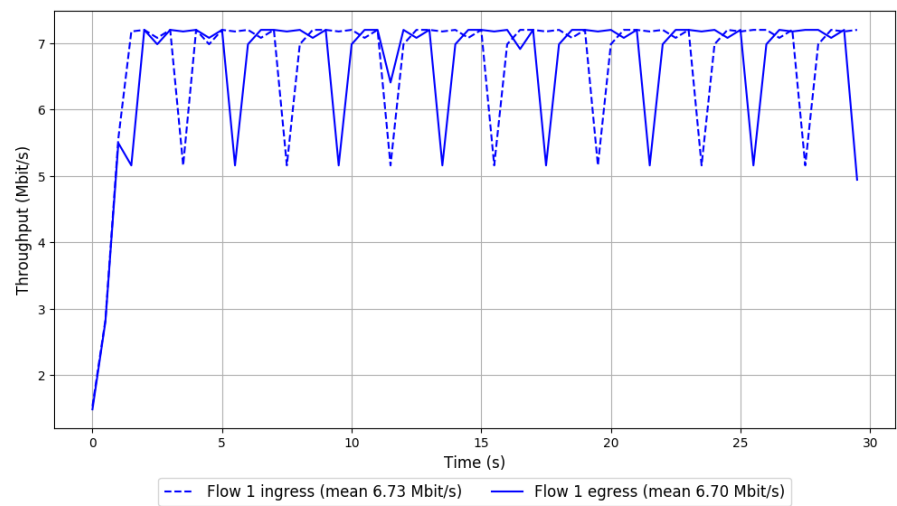
-- Flow 1:

Average throughput: 6.70 Mbit/s

95th percentile per-packet one-way delay: 87.402 ms

Loss rate: 0.82%

Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 08:52:18 +0000

End at: Sun, 06 Aug 2017 08:52:48 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:45:06 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.63 Mbit/s

95th percentile per-packet one-way delay: 87.670 ms

Loss rate: 0.23%

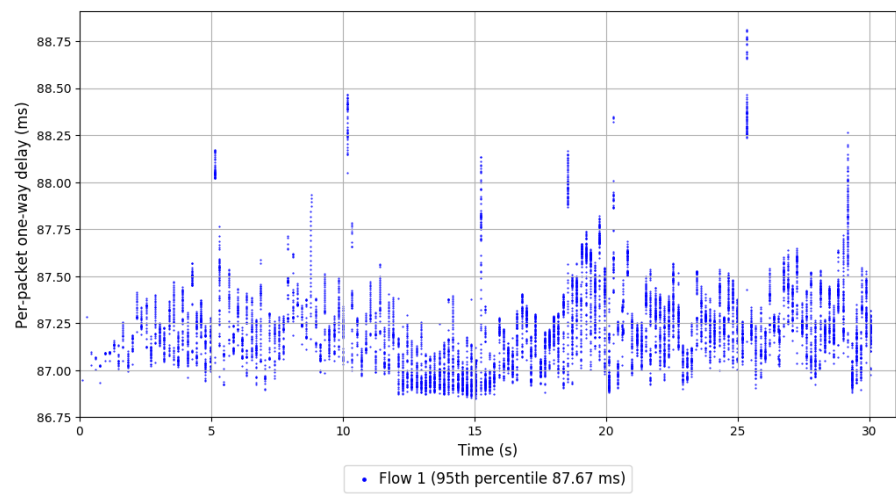
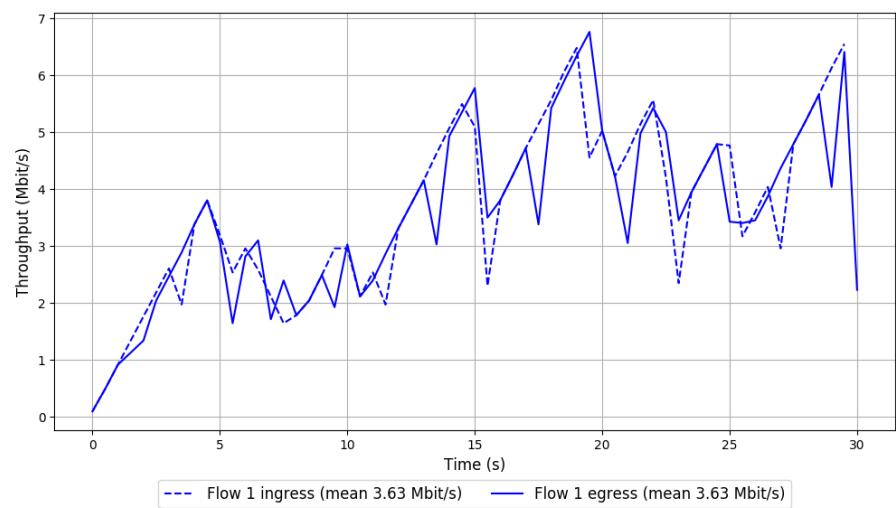
-- Flow 1:

Average throughput: 3.63 Mbit/s

95th percentile per-packet one-way delay: 87.670 ms

Loss rate: 0.23%

Run 1: Report of LEDBAT — Data Link

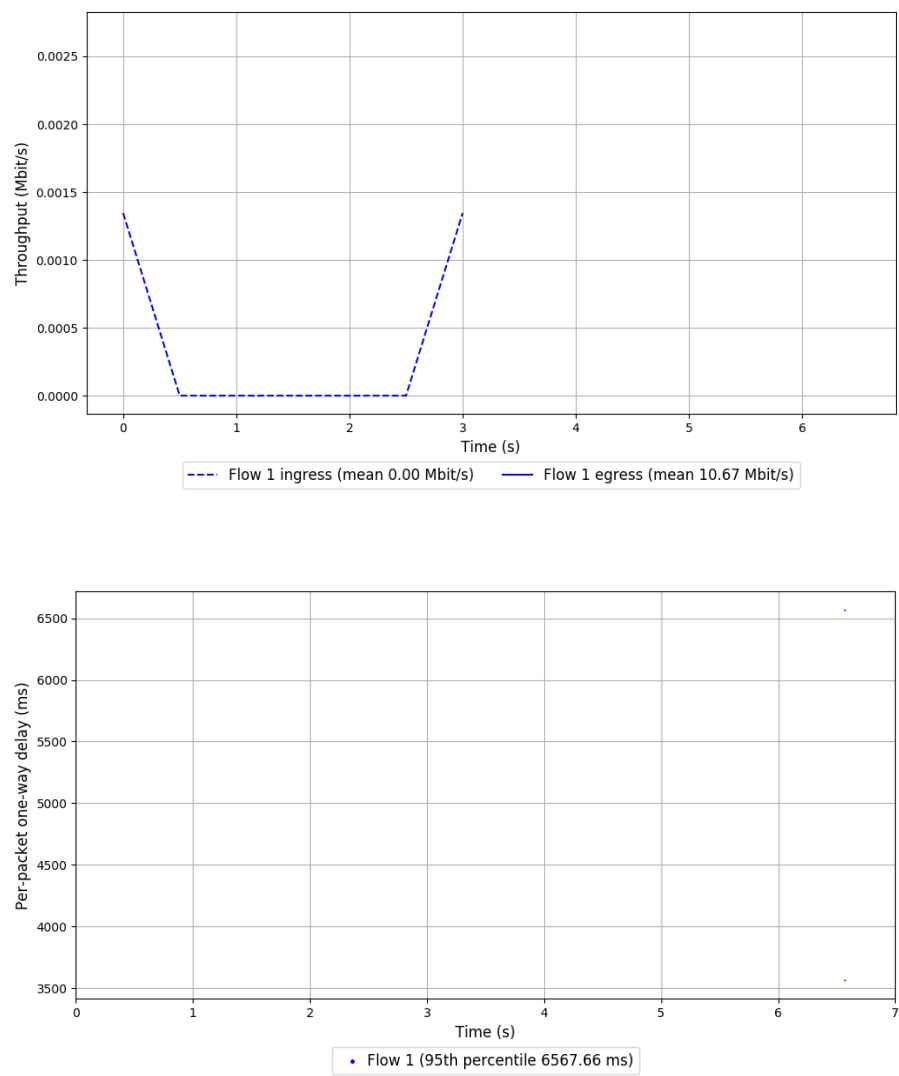


Run 2: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 09:03:14 +0000

End at: Sun, 06 Aug 2017 09:03:44 +0000

Run 2: Report of LEDBAT — Data Link

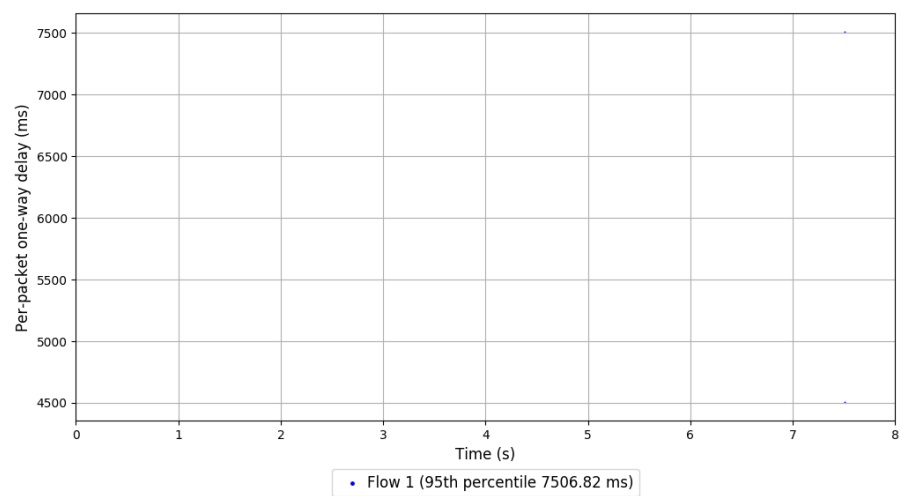
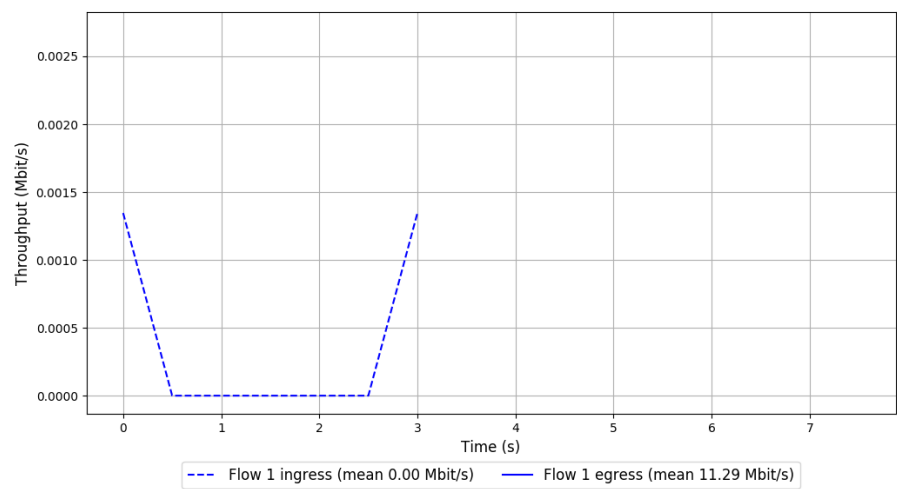


Run 3: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 09:14:23 +0000

End at: Sun, 06 Aug 2017 09:14:53 +0000

Run 3: Report of LEDBAT — Data Link

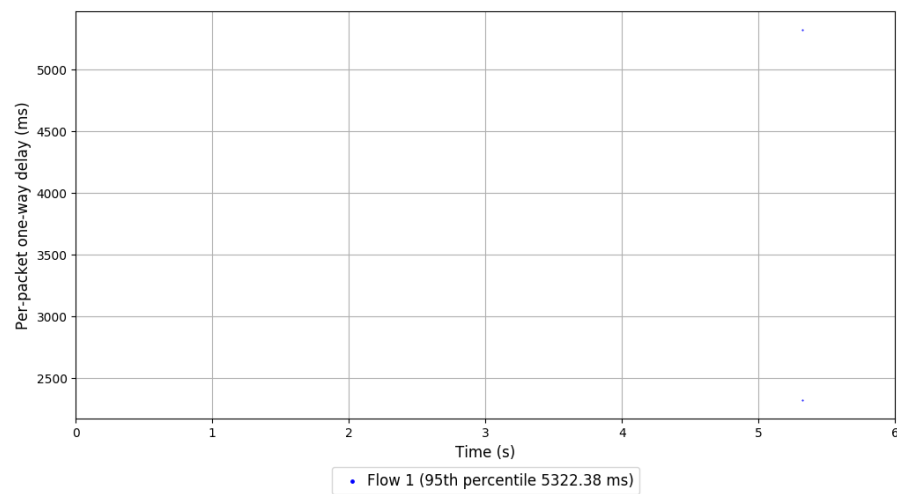
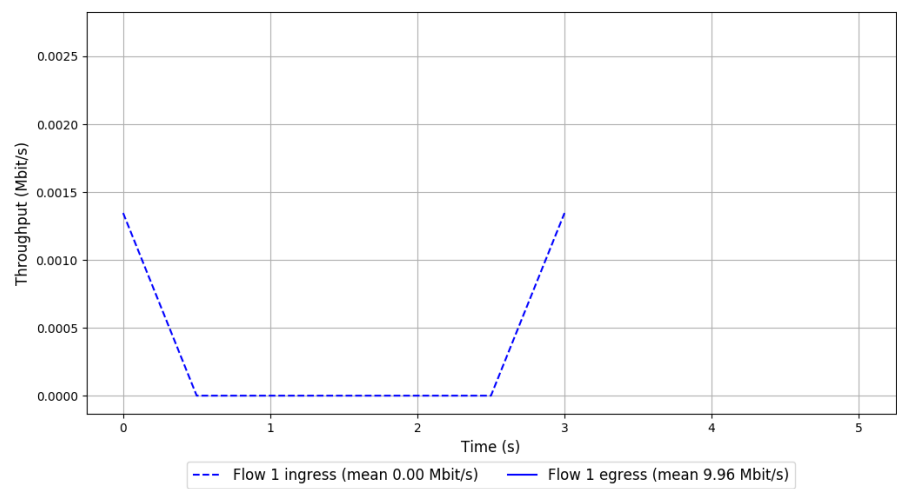


Run 4: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 09:25:03 +0000

End at: Sun, 06 Aug 2017 09:25:33 +0000

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 09:36:15 +0000

End at: Sun, 06 Aug 2017 09:36:45 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:45:10 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.93 Mbit/s

95th percentile per-packet one-way delay: 87.433 ms

Loss rate: 0.40%

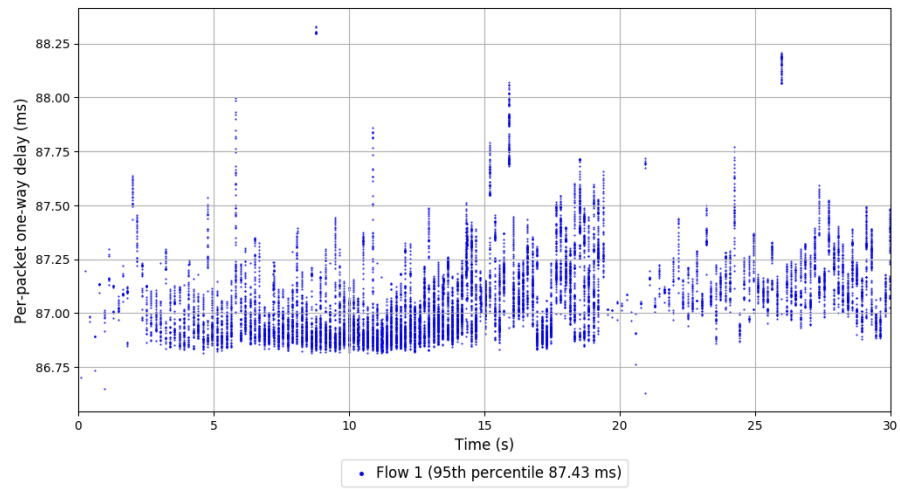
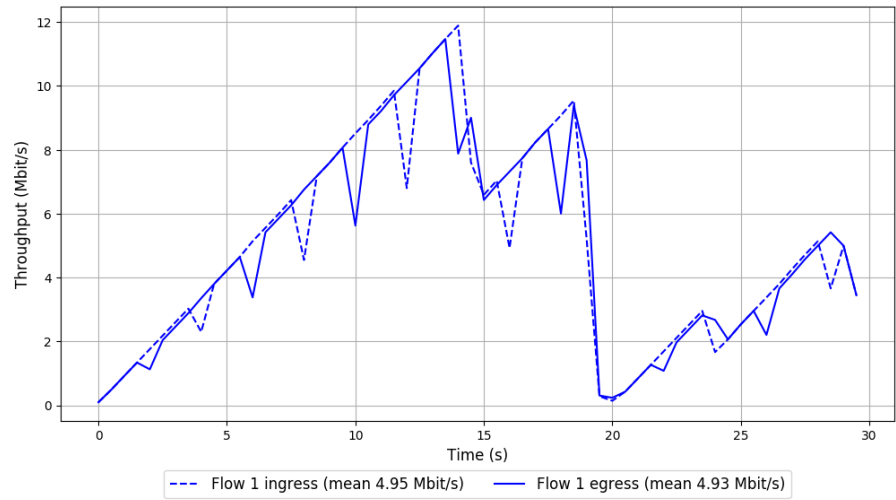
-- Flow 1:

Average throughput: 4.93 Mbit/s

95th percentile per-packet one-way delay: 87.433 ms

Loss rate: 0.40%

Run 5: Report of LEDBAT — Data Link

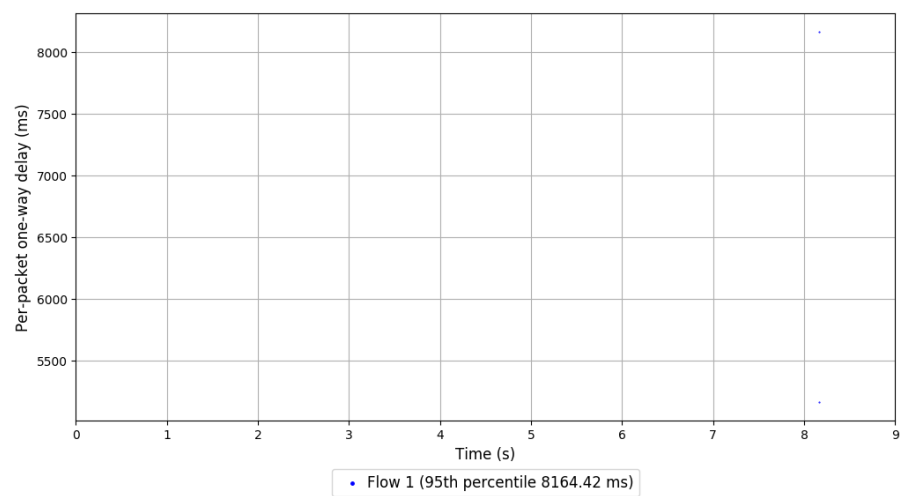
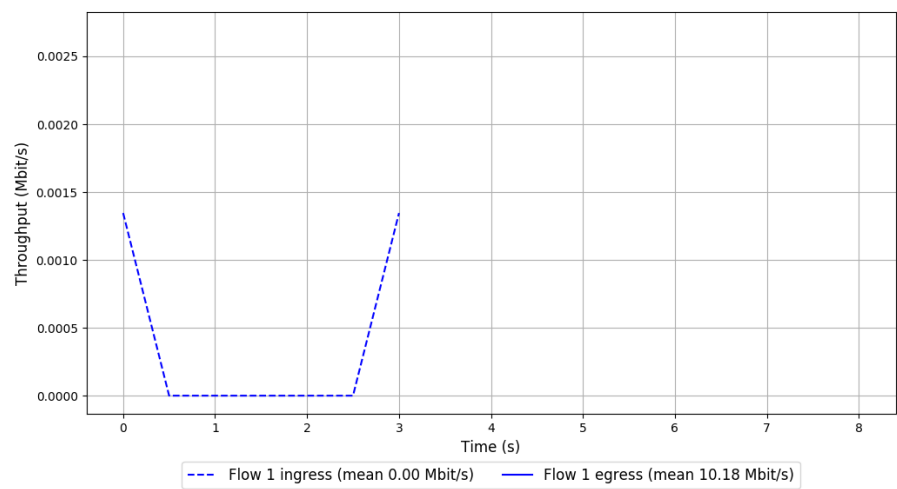


Run 6: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 09:47:33 +0000

End at: Sun, 06 Aug 2017 09:48:03 +0000

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 09:58:48 +0000

End at: Sun, 06 Aug 2017 09:59:19 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:45:12 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.80 Mbit/s

95th percentile per-packet one-way delay: 87.691 ms

Loss rate: 1.47%

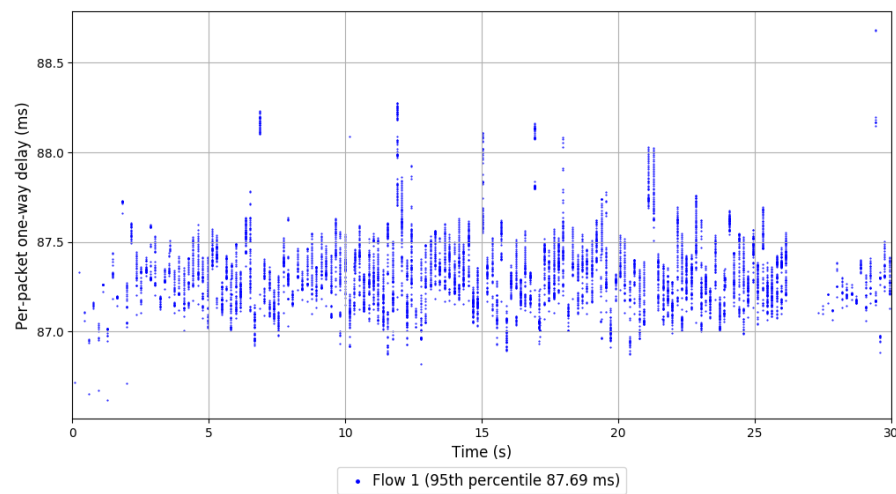
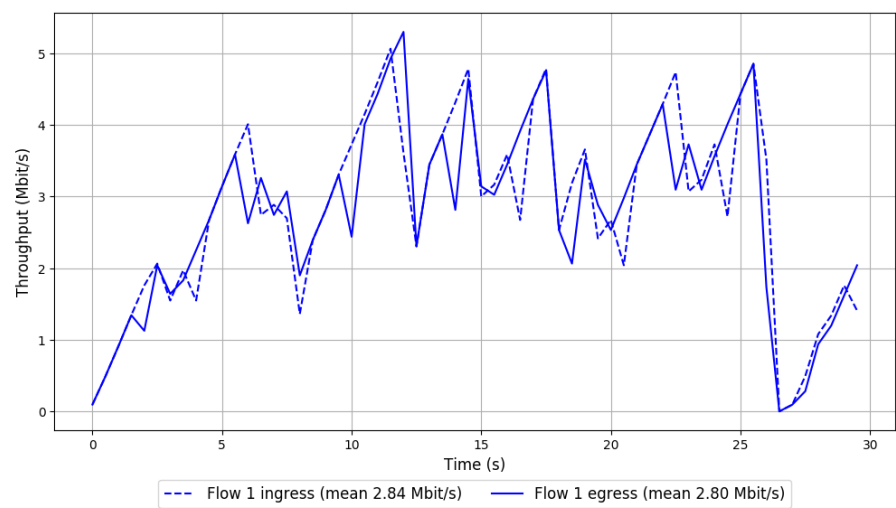
-- Flow 1:

Average throughput: 2.80 Mbit/s

95th percentile per-packet one-way delay: 87.691 ms

Loss rate: 1.47%

Run 7: Report of LEDBAT — Data Link

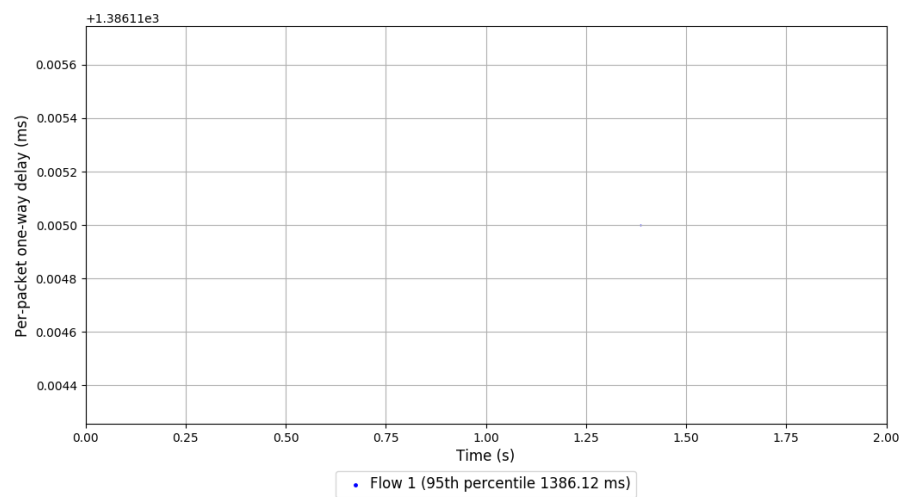
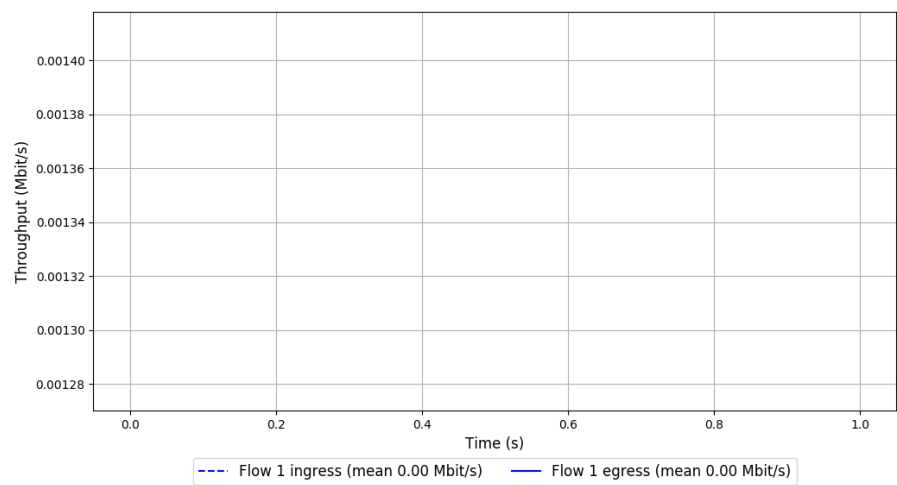


Run 8: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 10:09:33 +0000

End at: Sun, 06 Aug 2017 10:10:03 +0000

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 10:20:39 +0000

End at: Sun, 06 Aug 2017 10:21:09 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:45:14 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.24 Mbit/s

95th percentile per-packet one-way delay: 87.476 ms

Loss rate: 0.93%

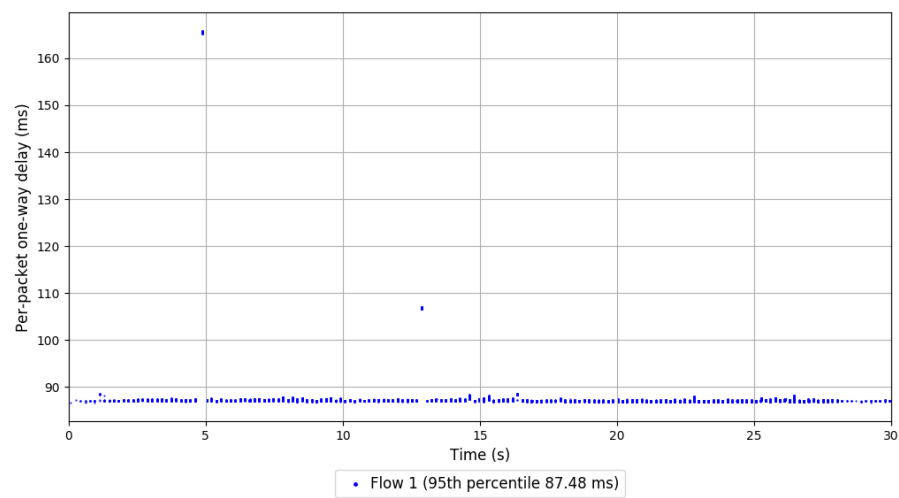
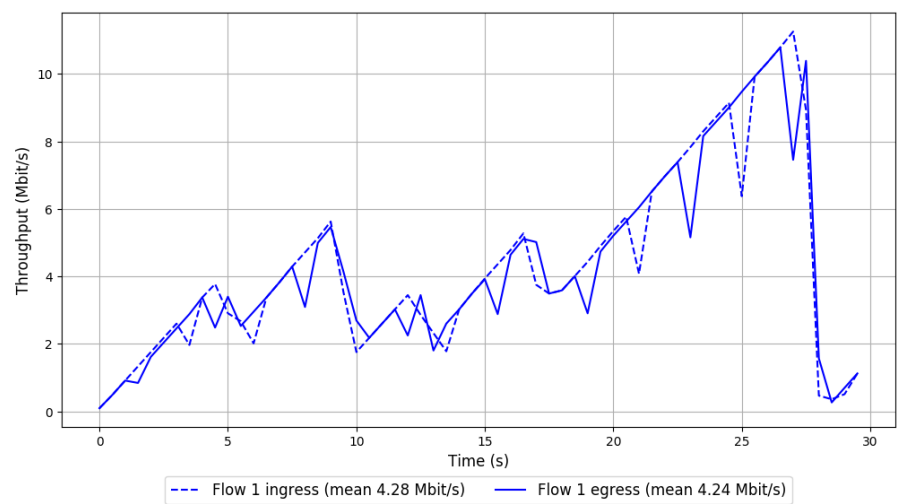
-- Flow 1:

Average throughput: 4.24 Mbit/s

95th percentile per-packet one-way delay: 87.476 ms

Loss rate: 0.93%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 10:31:34 +0000

End at: Sun, 06 Aug 2017 10:32:04 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:45:14 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.86 Mbit/s

95th percentile per-packet one-way delay: 87.523 ms

Loss rate: 0.01%

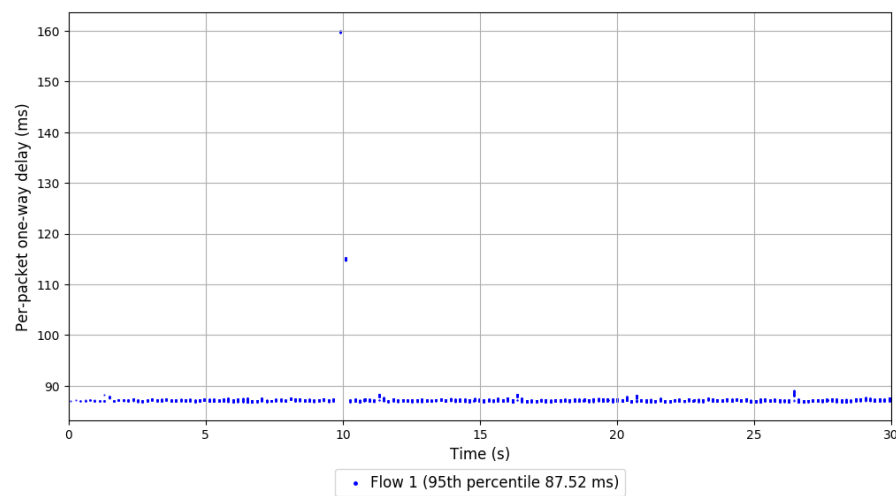
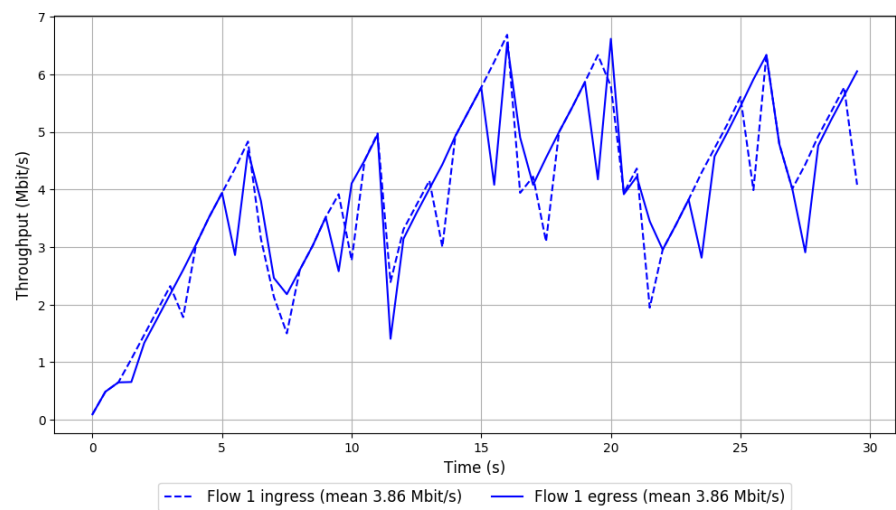
-- Flow 1:

Average throughput: 3.86 Mbit/s

95th percentile per-packet one-way delay: 87.523 ms

Loss rate: 0.01%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: Sun, 06 Aug 2017 08:50:42 +0000

End at: Sun, 06 Aug 2017 08:51:12 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:46:44 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 453.79 Mbit/s

95th percentile per-packet one-way delay: 123.895 ms

Loss rate: 4.98%

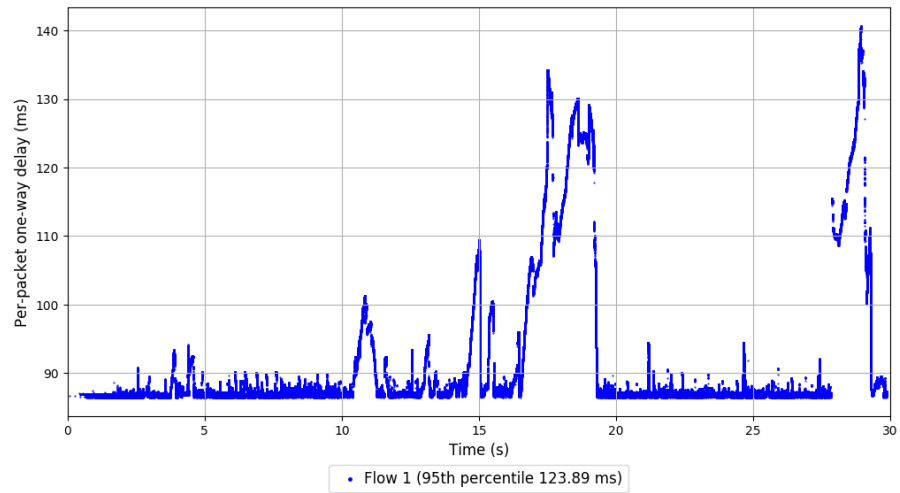
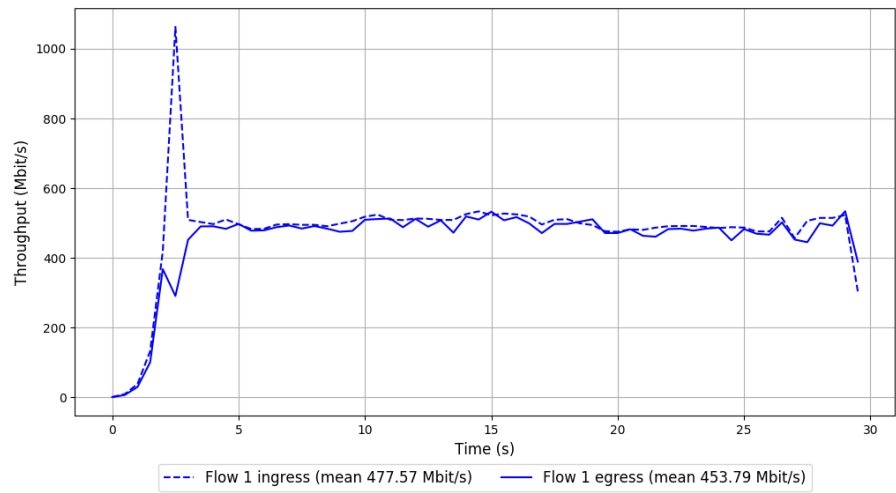
-- Flow 1:

Average throughput: 453.79 Mbit/s

95th percentile per-packet one-way delay: 123.895 ms

Loss rate: 4.98%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: Sun, 06 Aug 2017 09:01:35 +0000

End at: Sun, 06 Aug 2017 09:02:05 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:46:48 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 483.83 Mbit/s

95th percentile per-packet one-way delay: 95.066 ms

Loss rate: 0.89%

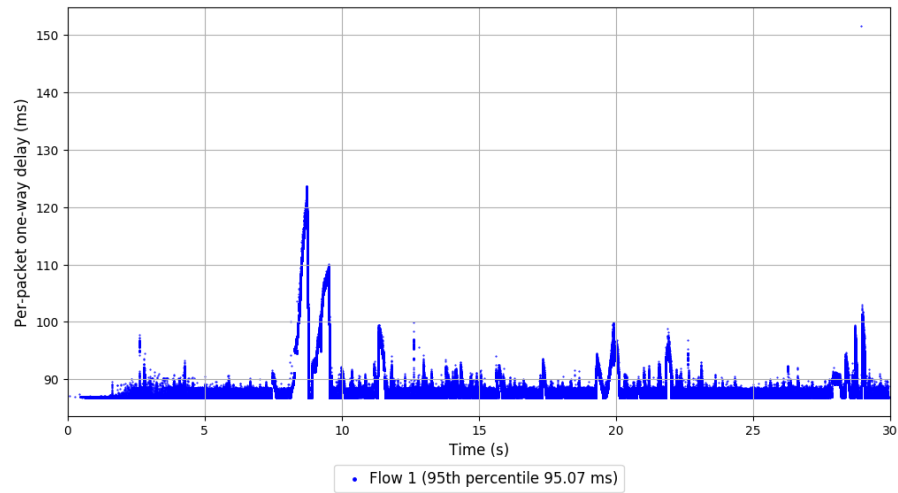
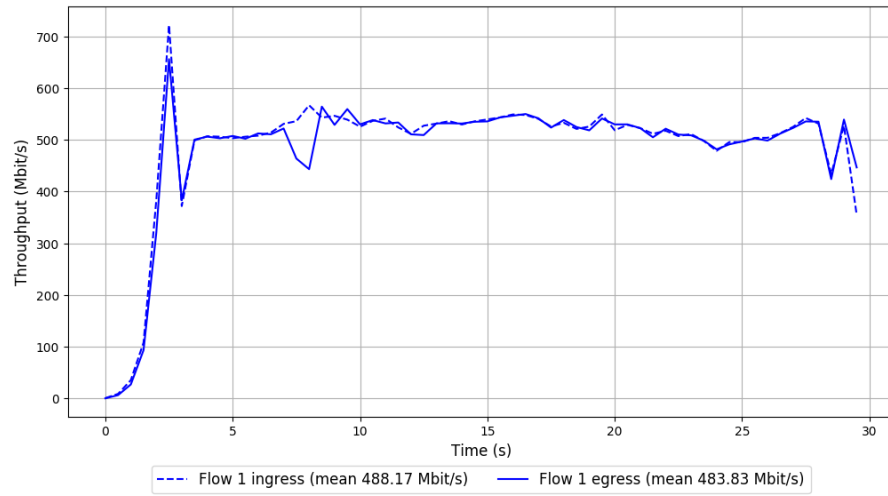
-- Flow 1:

Average throughput: 483.83 Mbit/s

95th percentile per-packet one-way delay: 95.066 ms

Loss rate: 0.89%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: Sun, 06 Aug 2017 09:12:47 +0000

End at: Sun, 06 Aug 2017 09:13:17 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:48:08 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 427.37 Mbit/s

95th percentile per-packet one-way delay: 112.535 ms

Loss rate: 4.56%

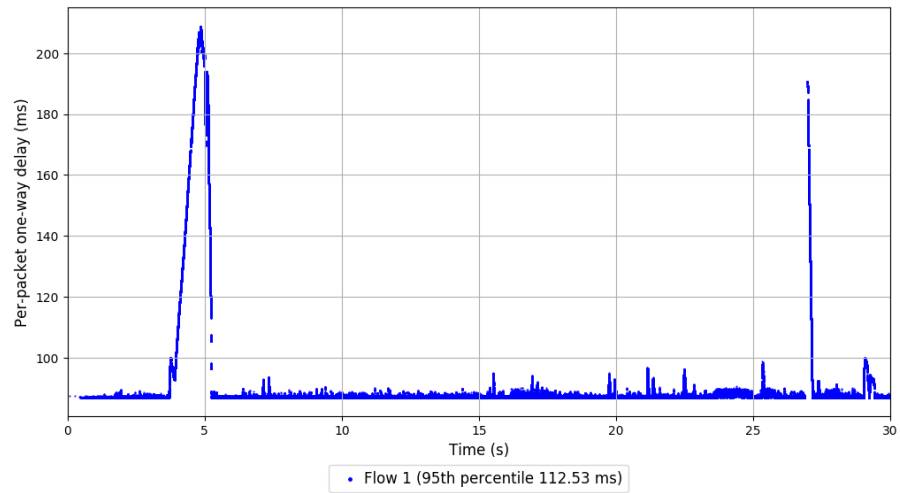
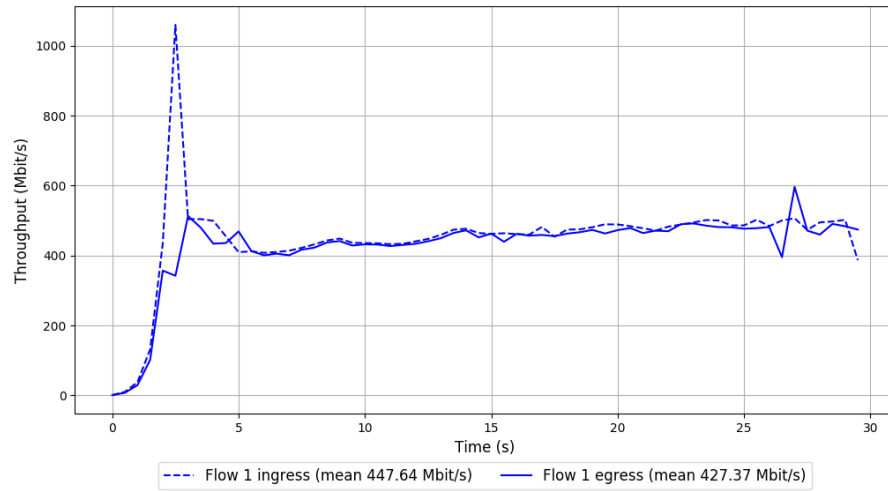
-- Flow 1:

Average throughput: 427.37 Mbit/s

95th percentile per-packet one-way delay: 112.535 ms

Loss rate: 4.56%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: Sun, 06 Aug 2017 09:23:31 +0000

End at: Sun, 06 Aug 2017 09:24:01 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:48:08 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 330.97 Mbit/s

95th percentile per-packet one-way delay: 107.790 ms

Loss rate: 2.90%

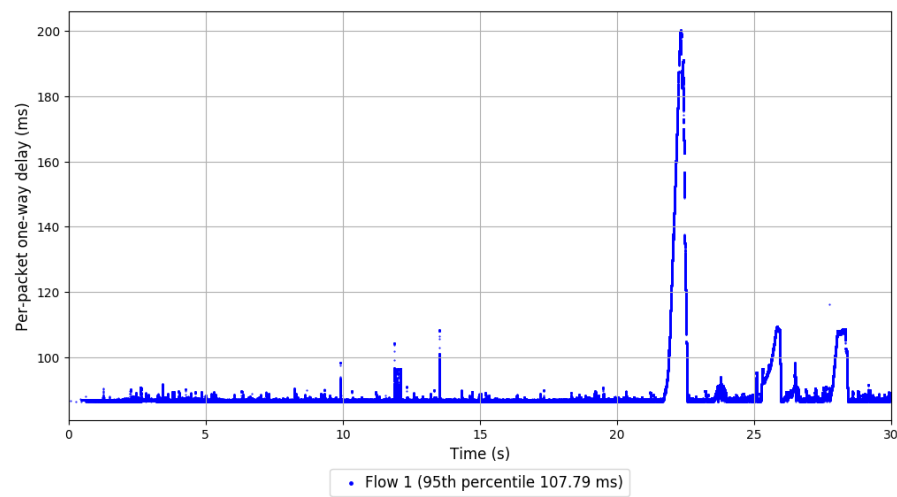
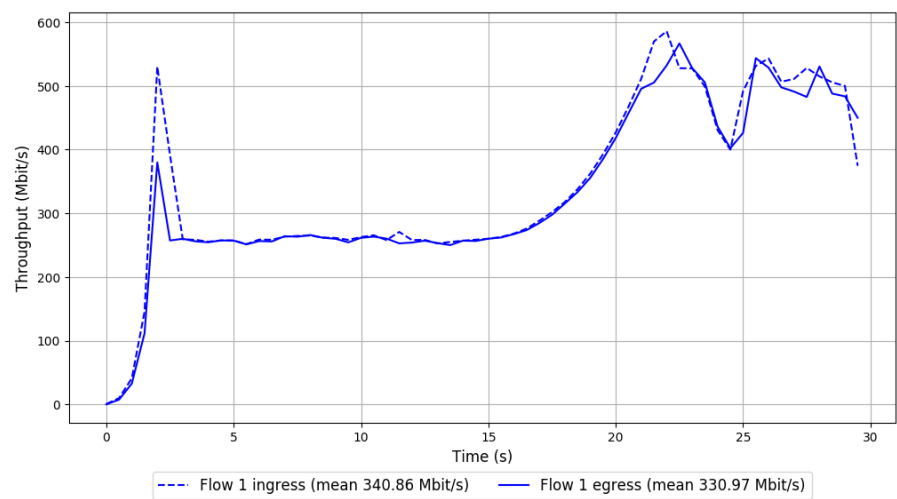
-- Flow 1:

Average throughput: 330.97 Mbit/s

95th percentile per-packet one-way delay: 107.790 ms

Loss rate: 2.90%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: Sun, 06 Aug 2017 09:34:39 +0000

End at: Sun, 06 Aug 2017 09:35:10 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:49:27 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 408.38 Mbit/s

95th percentile per-packet one-way delay: 89.329 ms

Loss rate: 4.23%

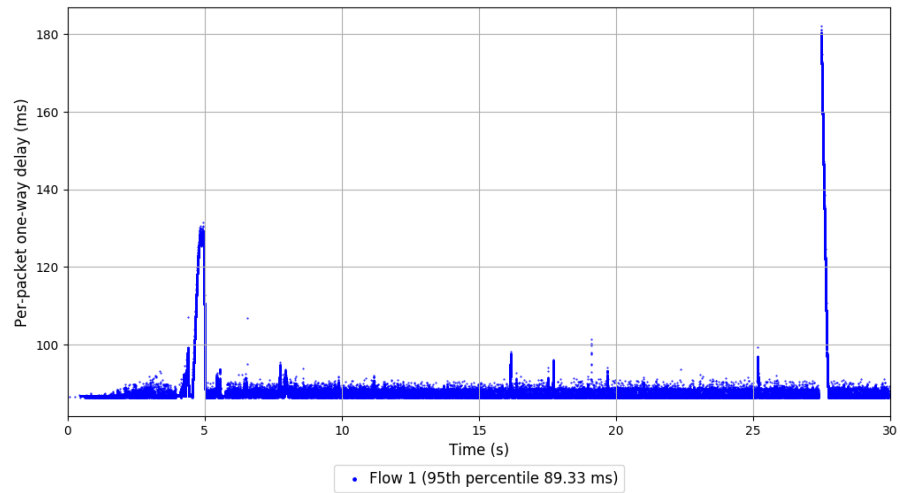
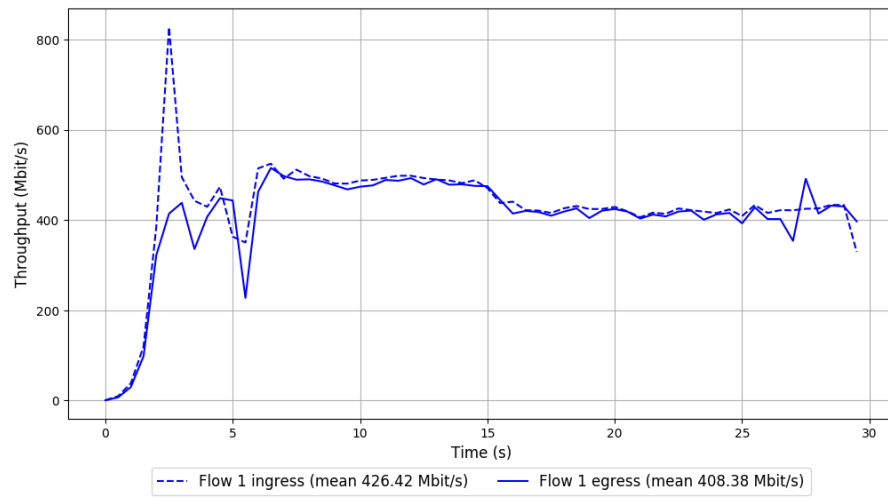
-- Flow 1:

Average throughput: 408.38 Mbit/s

95th percentile per-packet one-way delay: 89.329 ms

Loss rate: 4.23%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: Sun, 06 Aug 2017 09:45:54 +0000

End at: Sun, 06 Aug 2017 09:46:24 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:49:46 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 489.50 Mbit/s

95th percentile per-packet one-way delay: 168.577 ms

Loss rate: 1.09%

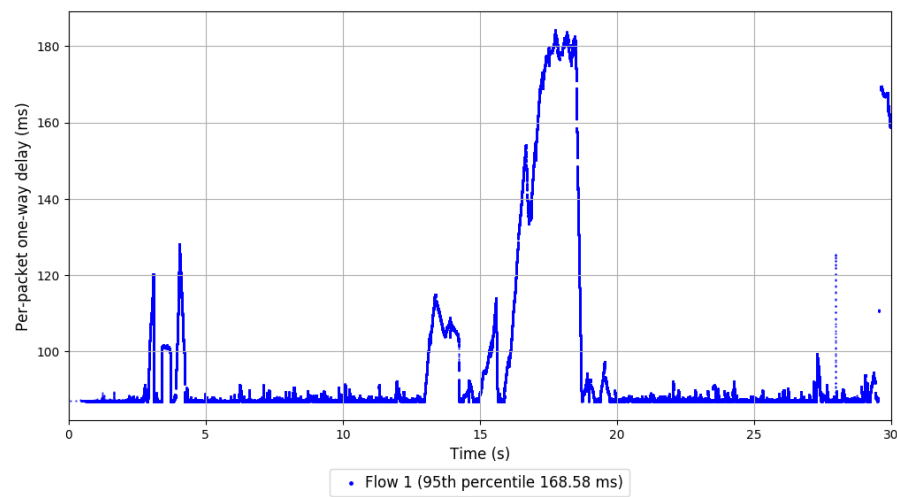
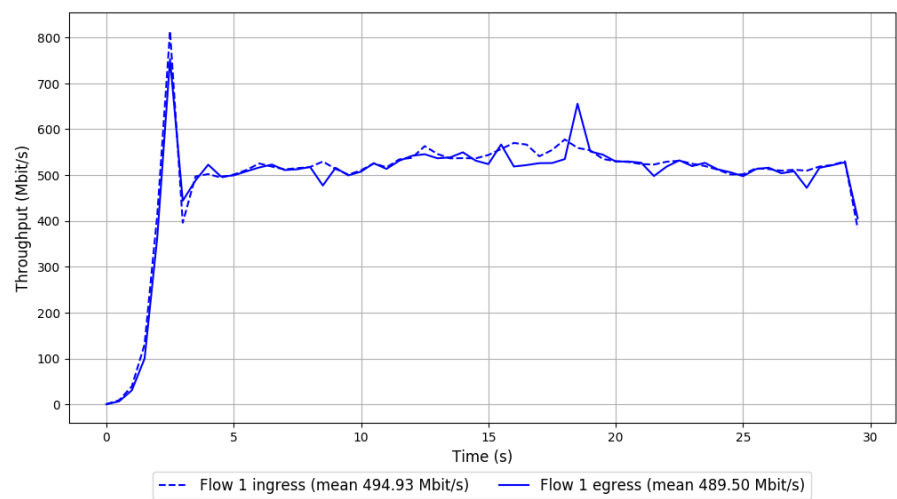
-- Flow 1:

Average throughput: 489.50 Mbit/s

95th percentile per-packet one-way delay: 168.577 ms

Loss rate: 1.09%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: Sun, 06 Aug 2017 09:57:11 +0000

End at: Sun, 06 Aug 2017 09:57:41 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:50:59 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 468.97 Mbit/s

95th percentile per-packet one-way delay: 92.057 ms

Loss rate: 0.65%

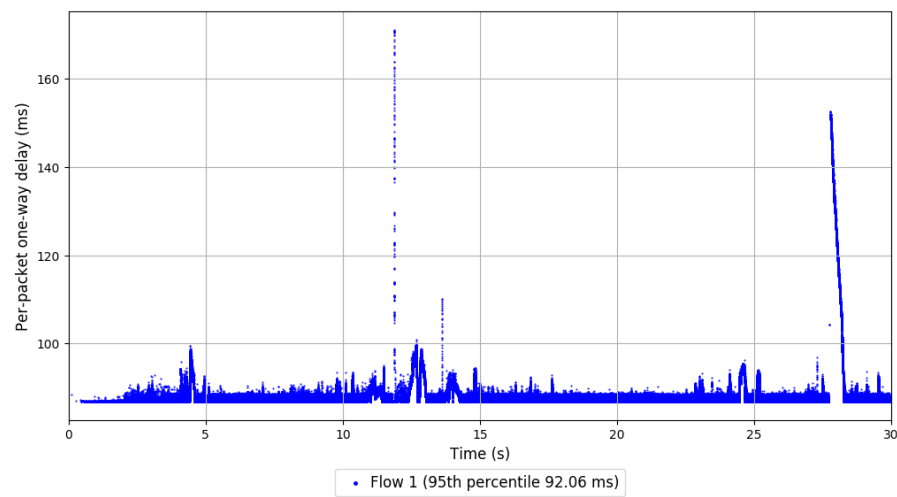
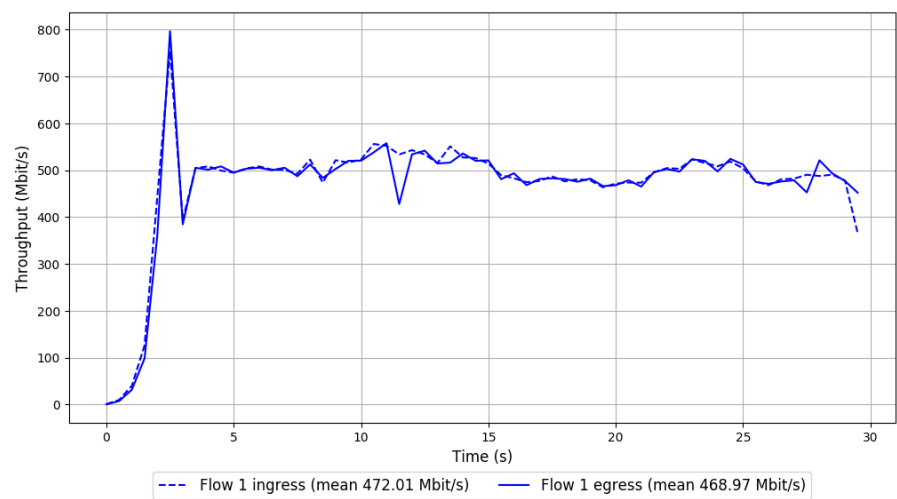
-- Flow 1:

Average throughput: 468.97 Mbit/s

95th percentile per-packet one-way delay: 92.057 ms

Loss rate: 0.65%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: Sun, 06 Aug 2017 10:07:57 +0000

End at: Sun, 06 Aug 2017 10:08:27 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:51:19 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 428.14 Mbit/s

95th percentile per-packet one-way delay: 90.833 ms

Loss rate: 5.49%

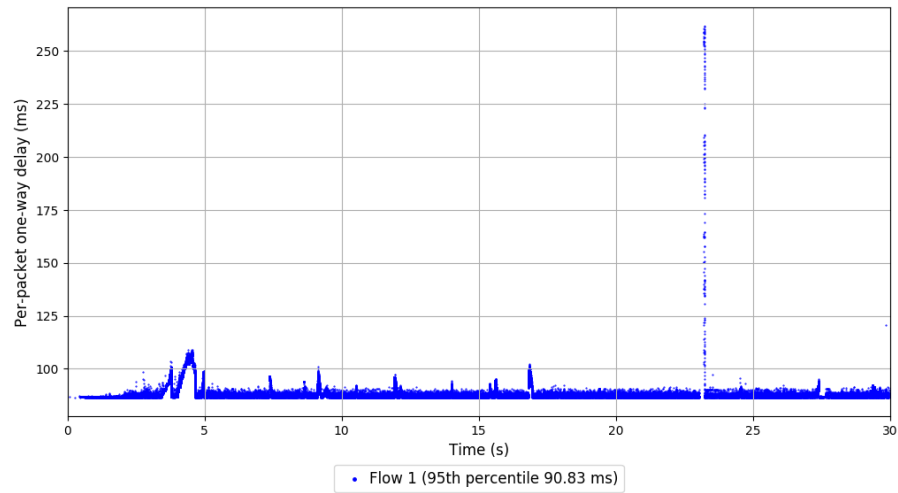
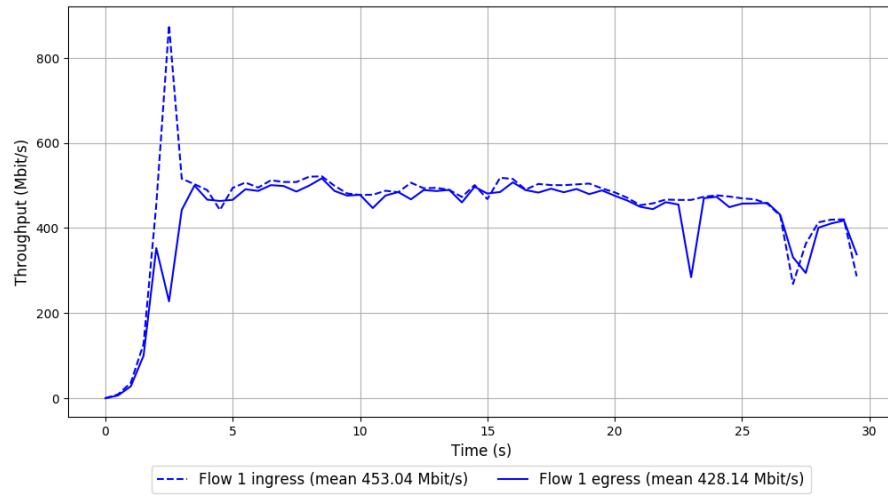
-- Flow 1:

Average throughput: 428.14 Mbit/s

95th percentile per-packet one-way delay: 90.833 ms

Loss rate: 5.49%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: Sun, 06 Aug 2017 10:19:12 +0000

End at: Sun, 06 Aug 2017 10:19:43 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:51:26 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 176.65 Mbit/s

95th percentile per-packet one-way delay: 139.252 ms

Loss rate: 0.58%

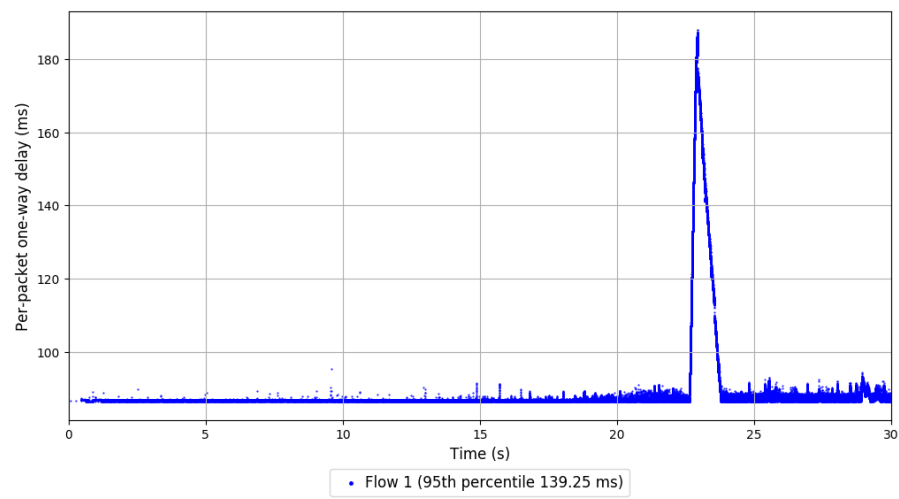
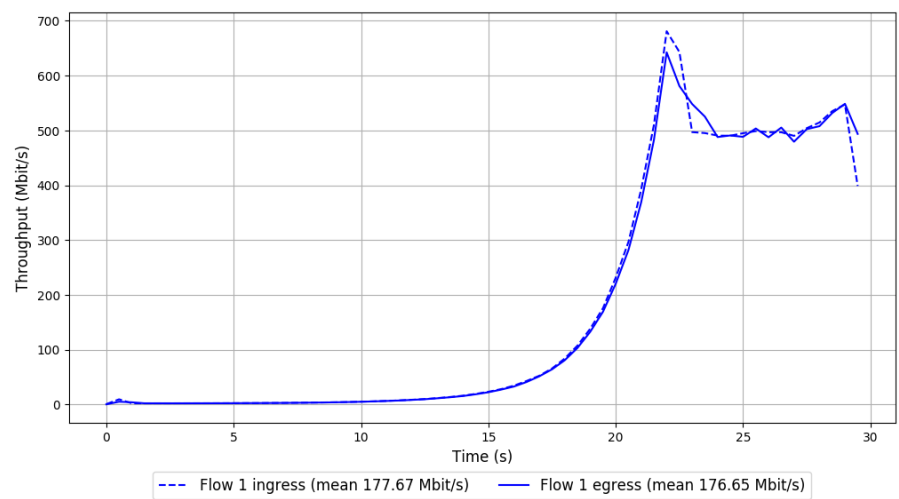
-- Flow 1:

Average throughput: 176.65 Mbit/s

95th percentile per-packet one-way delay: 139.252 ms

Loss rate: 0.58%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: Sun, 06 Aug 2017 10:29:57 +0000

End at: Sun, 06 Aug 2017 10:30:27 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:52:50 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 441.44 Mbit/s

95th percentile per-packet one-way delay: 91.526 ms

Loss rate: 6.24%

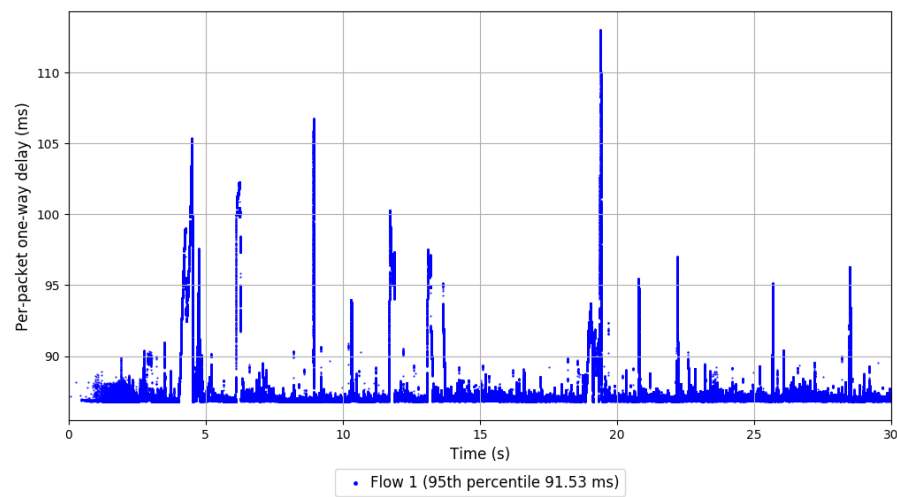
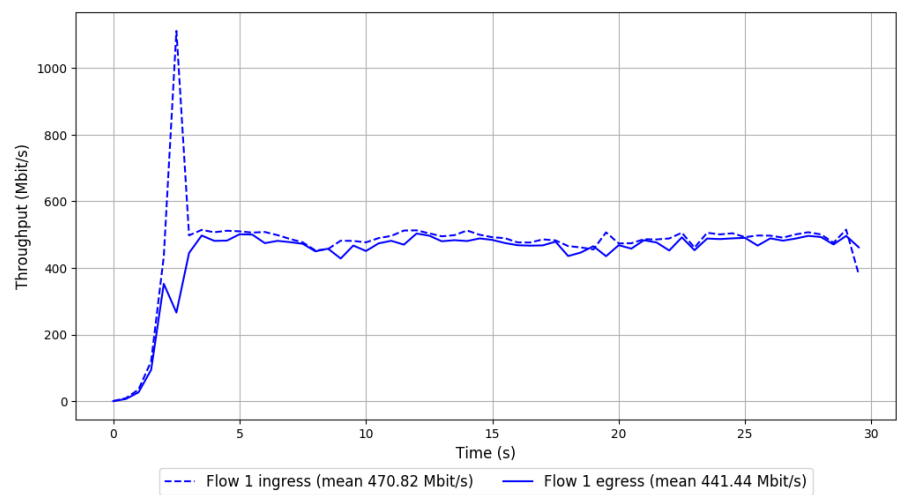
-- Flow 1:

Average throughput: 441.44 Mbit/s

95th percentile per-packet one-way delay: 91.526 ms

Loss rate: 6.24%

Run 10: Report of PCC — Data Link

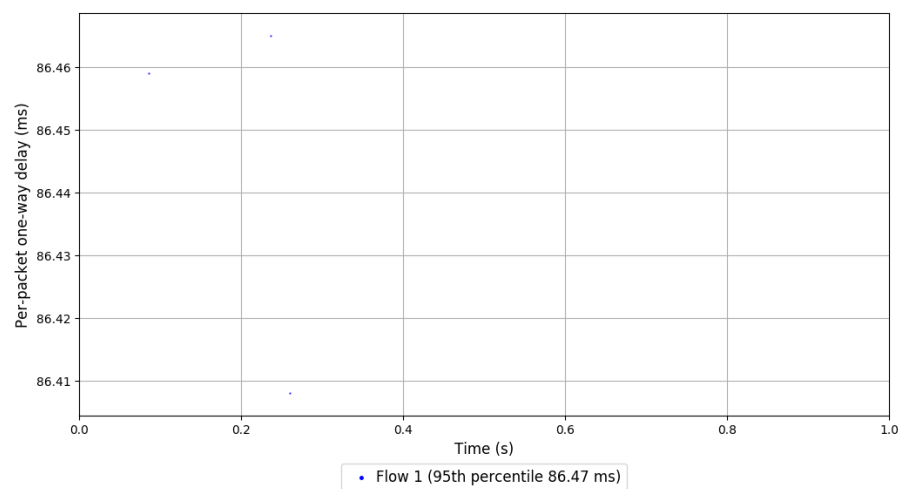
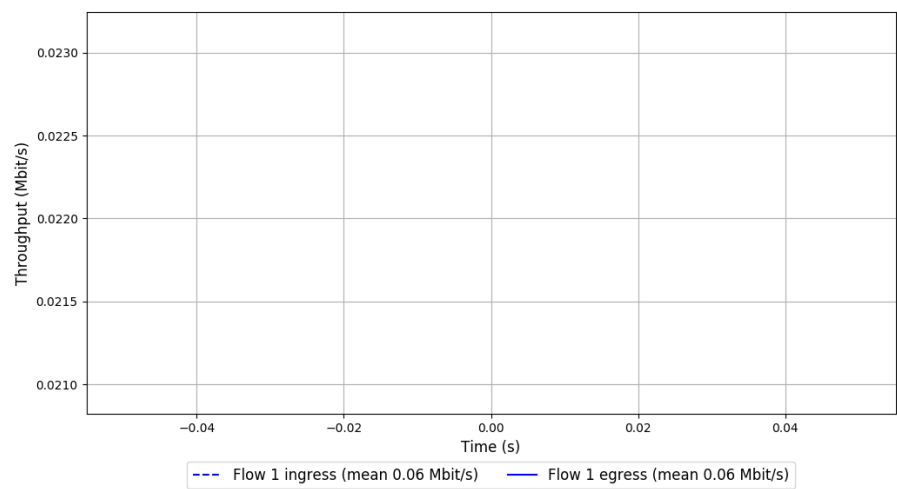


Run 1: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 08:50:03 +0000

End at: Sun, 06 Aug 2017 08:50:33 +0000

Run 1: Report of QUIC Cubic — Data Link

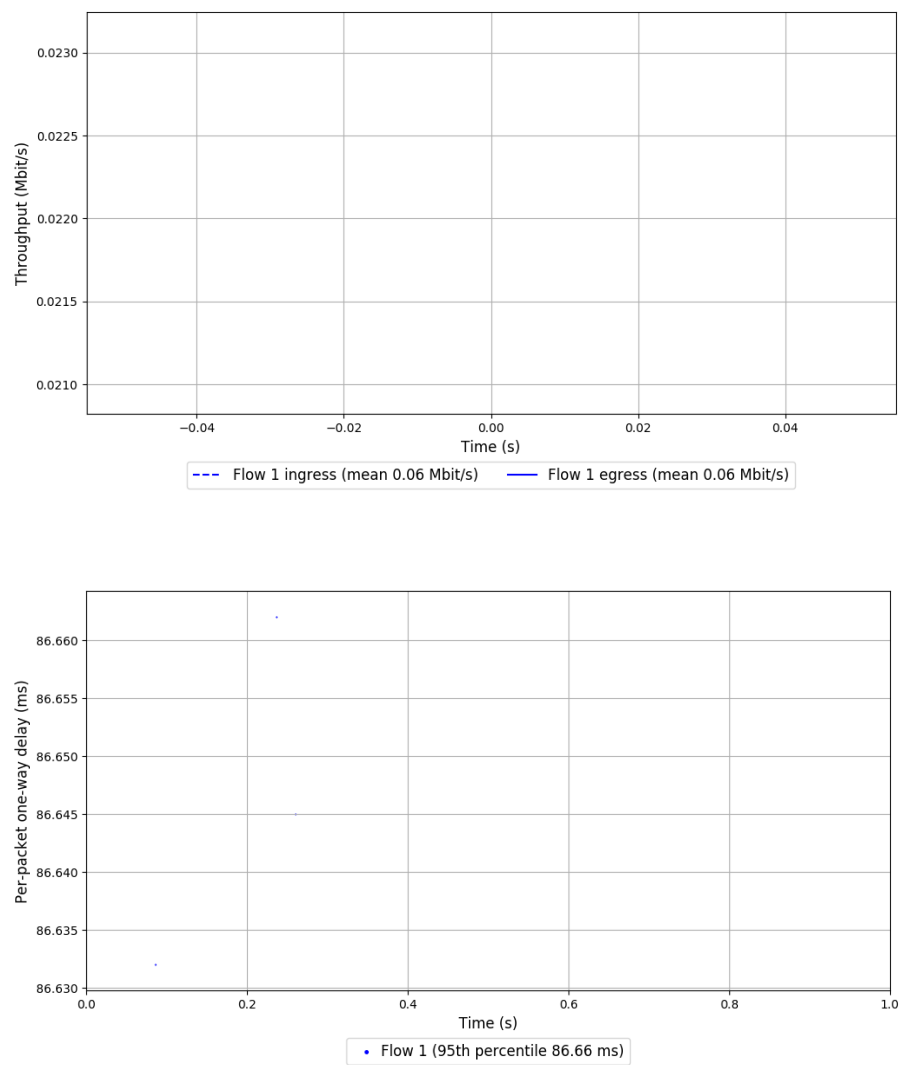


Run 2: Statistics of QUIC Cubic

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

End at: Sun, 06 Aug 2017 09:01:26 +0000

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 09:12:05 +0000

End at: Sun, 06 Aug 2017 09:12:35 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:52:50 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.61 Mbit/s

95th percentile per-packet one-way delay: 86.488 ms

Loss rate: 0.00%

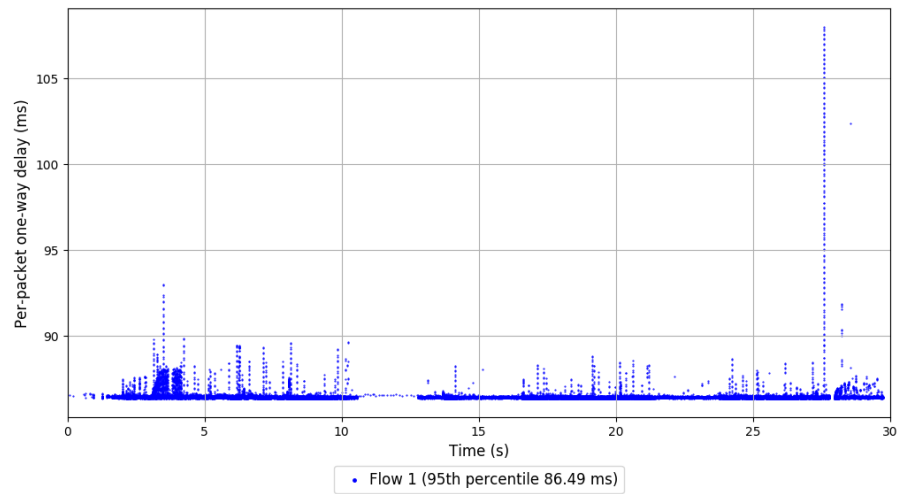
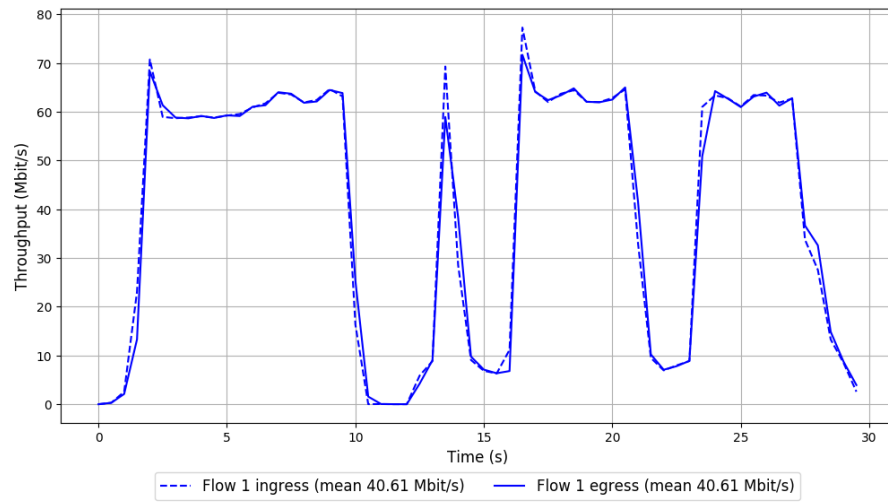
-- Flow 1:

Average throughput: 40.61 Mbit/s

95th percentile per-packet one-way delay: 86.488 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 09:22:49 +0000

End at: Sun, 06 Aug 2017 09:23:19 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:52:50 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.24 Mbit/s

95th percentile per-packet one-way delay: 86.902 ms

Loss rate: 0.00%

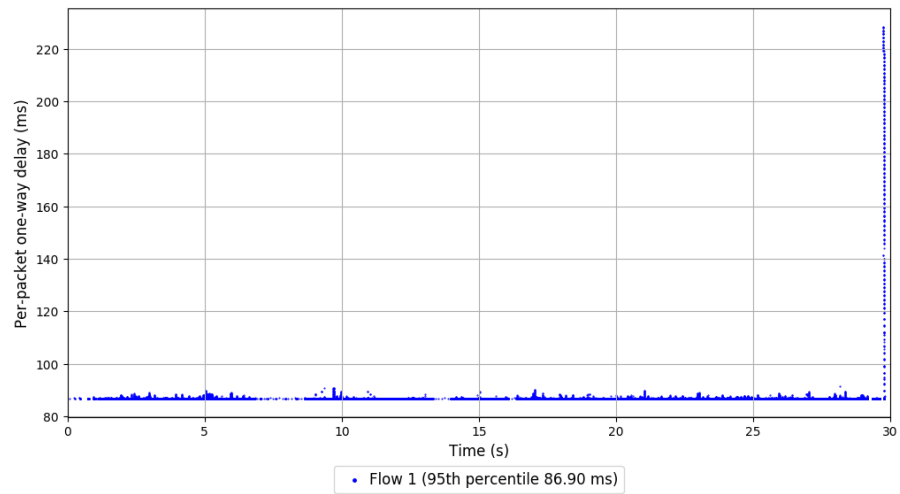
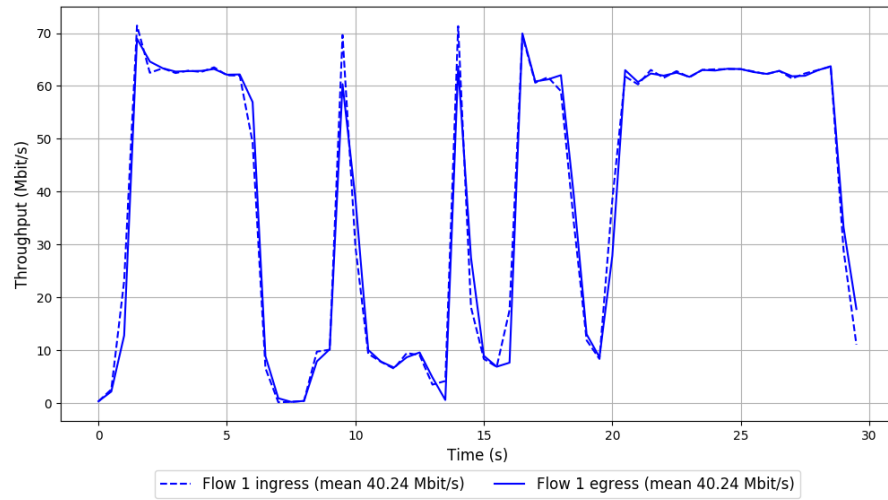
-- Flow 1:

Average throughput: 40.24 Mbit/s

95th percentile per-packet one-way delay: 86.902 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 09:33:57 +0000

End at: Sun, 06 Aug 2017 09:34:27 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:52:50 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 37.37 Mbit/s

95th percentile per-packet one-way delay: 86.945 ms

Loss rate: 0.00%

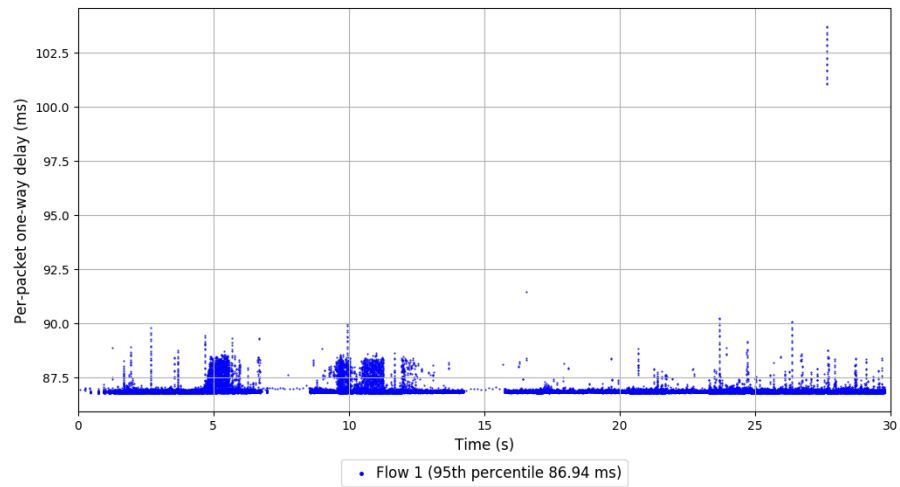
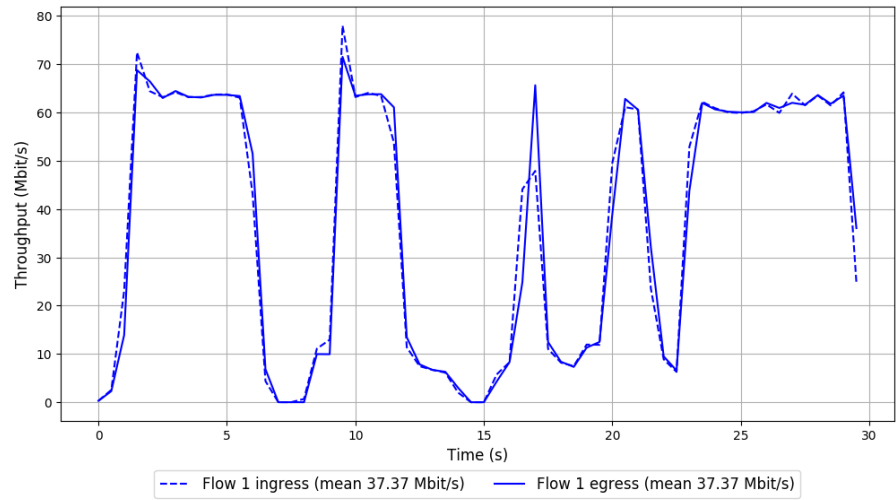
-- Flow 1:

Average throughput: 37.37 Mbit/s

95th percentile per-packet one-way delay: 86.945 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 09:45:13 +0000

End at: Sun, 06 Aug 2017 09:45:43 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:52:50 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.13 Mbit/s

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

Loss rate: 0.00%

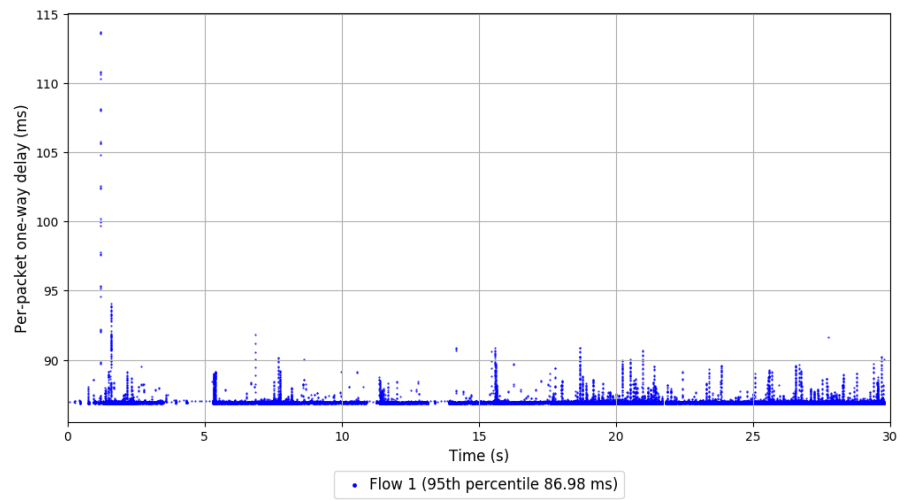
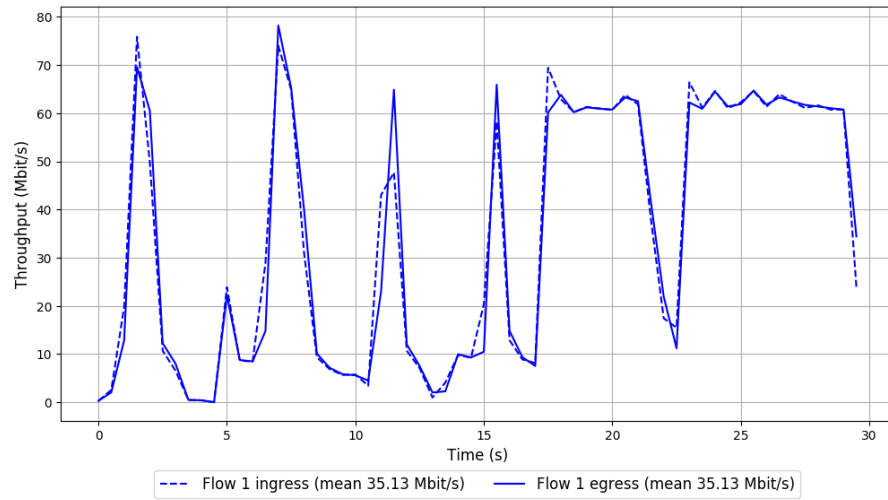
-- Flow 1:

Average throughput: 35.13 Mbit/s

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

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 09:56:28 +0000

End at: Sun, 06 Aug 2017 09:56:59 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:52:50 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.93 Mbit/s

95th percentile per-packet one-way delay: 86.935 ms

Loss rate: 0.00%

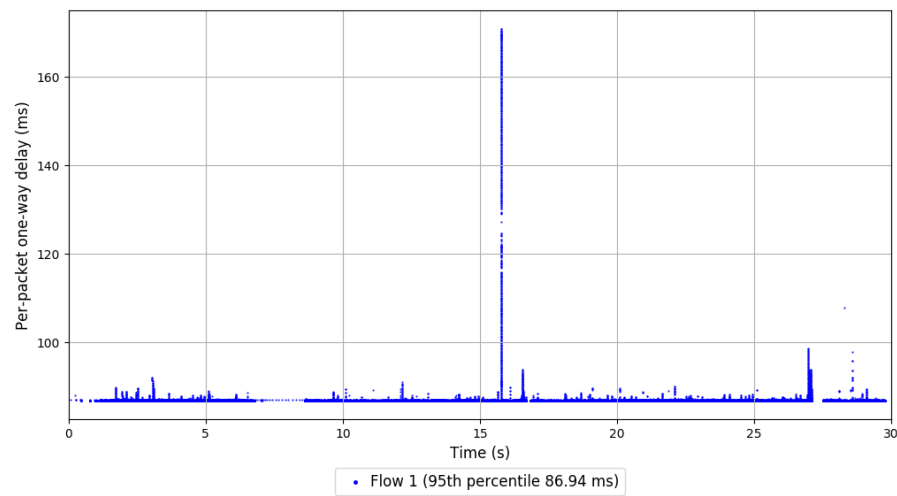
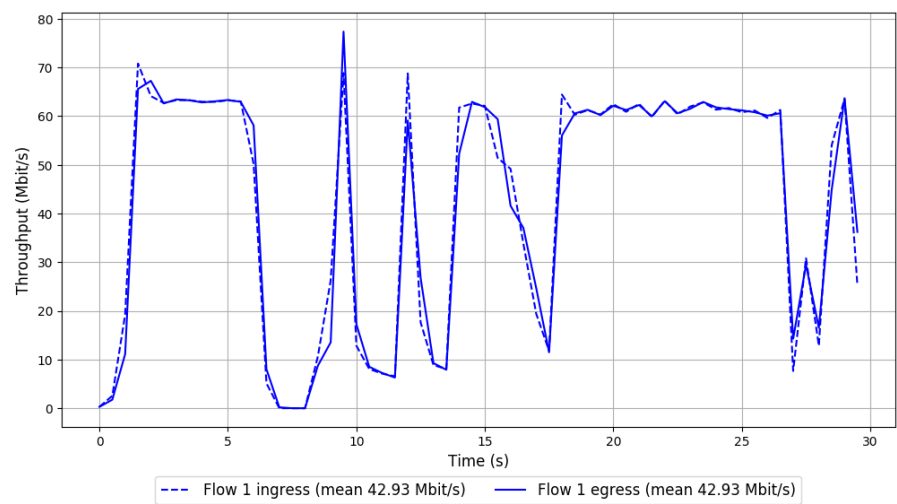
-- Flow 1:

Average throughput: 42.93 Mbit/s

95th percentile per-packet one-way delay: 86.935 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 10:07:15 +0000

End at: Sun, 06 Aug 2017 10:07:45 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:52:50 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.22 Mbit/s

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

Loss rate: 0.00%

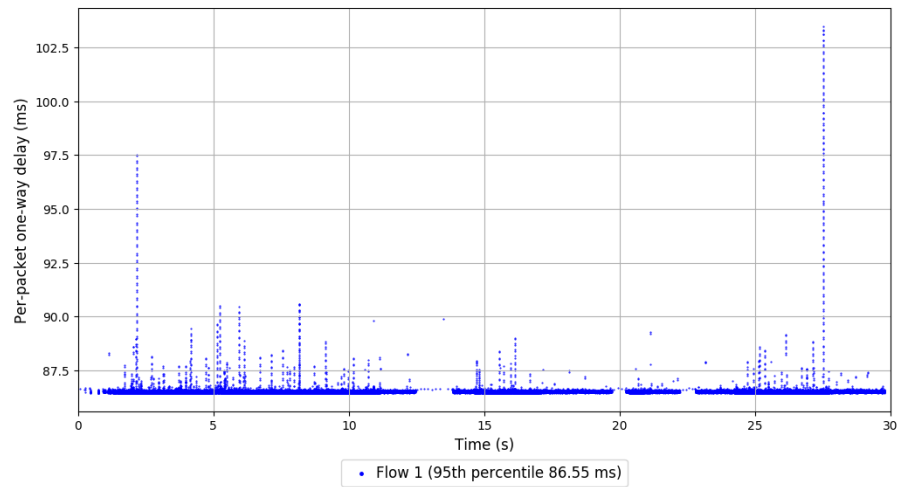
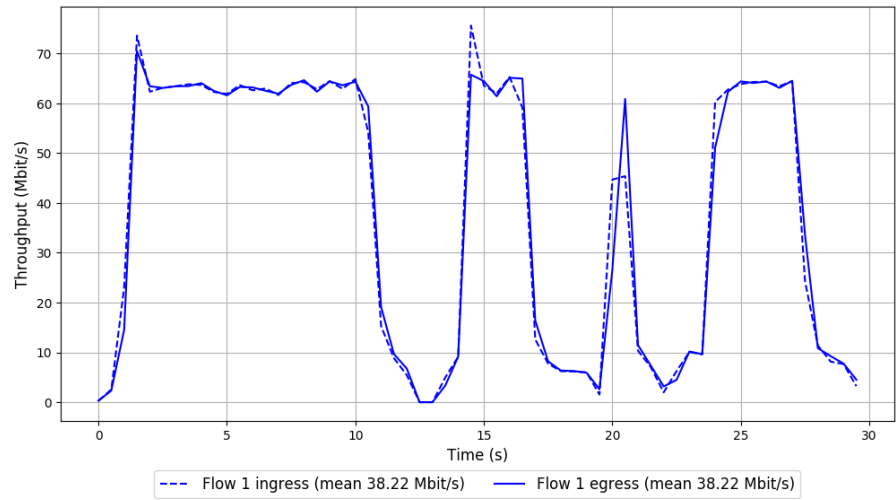
-- Flow 1:

Average throughput: 38.22 Mbit/s

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

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 10:18:30 +0000

End at: Sun, 06 Aug 2017 10:19:00 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:52:50 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.92 Mbit/s

95th percentile per-packet one-way delay: 86.561 ms

Loss rate: 0.00%

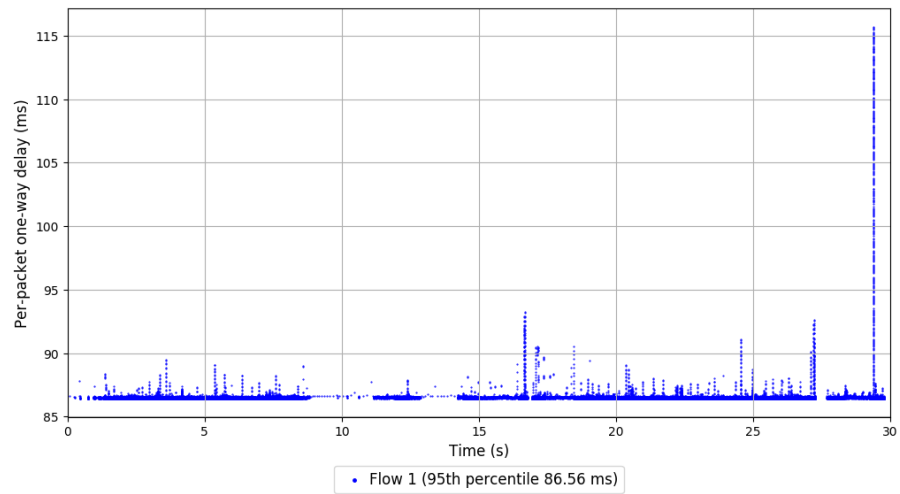
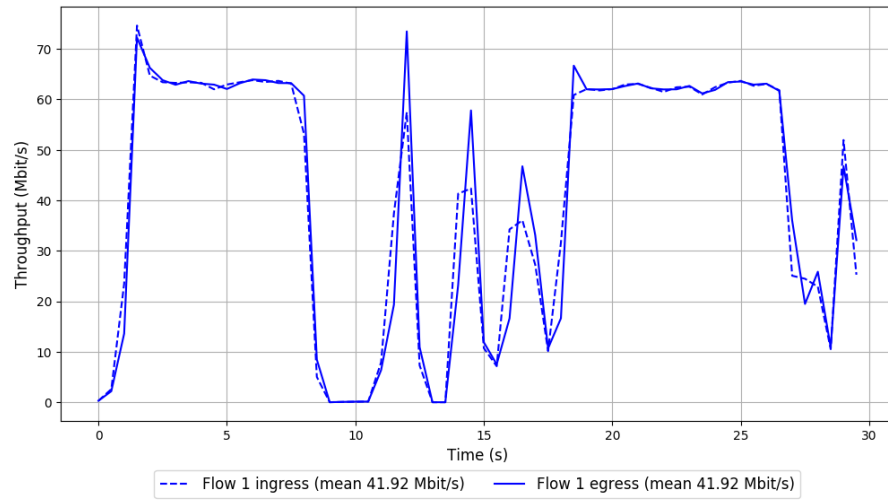
-- Flow 1:

Average throughput: 41.92 Mbit/s

95th percentile per-packet one-way delay: 86.561 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 10:29:15 +0000

End at: Sun, 06 Aug 2017 10:29:45 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:52:50 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.37 Mbit/s

95th percentile per-packet one-way delay: 86.881 ms

Loss rate: 0.00%

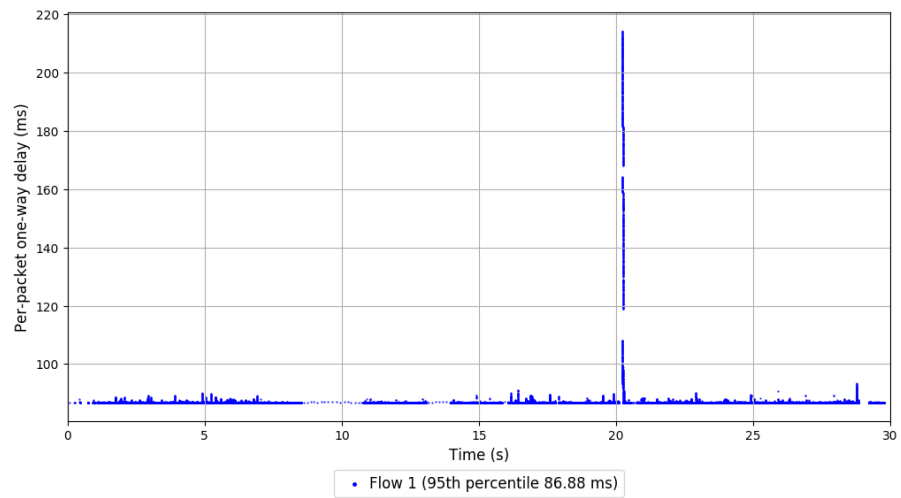
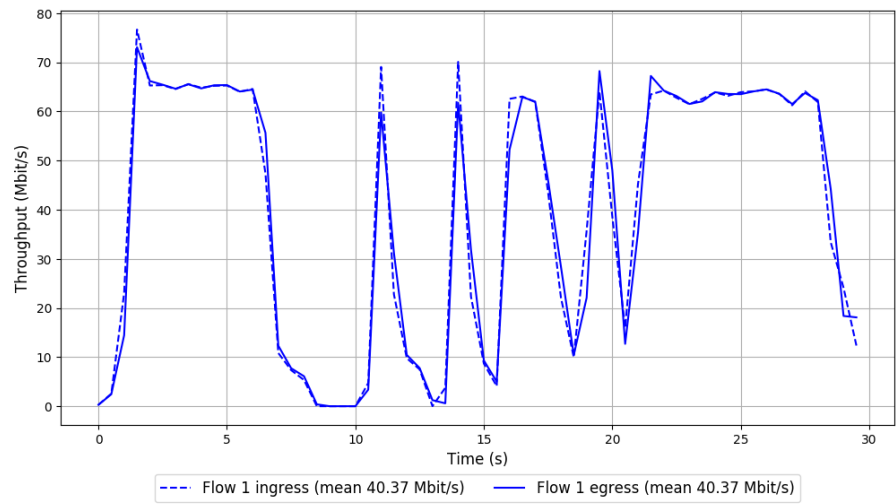
-- Flow 1:

Average throughput: 40.37 Mbit/s

95th percentile per-packet one-way delay: 86.881 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of Saturator

Start at: Sun, 06 Aug 2017 08:54:17 +0000

End at: Sun, 06 Aug 2017 08:54:47 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:52:50 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.70 Mbit/s

95th percentile per-packet one-way delay: 87.626 ms

Loss rate: 0.04%

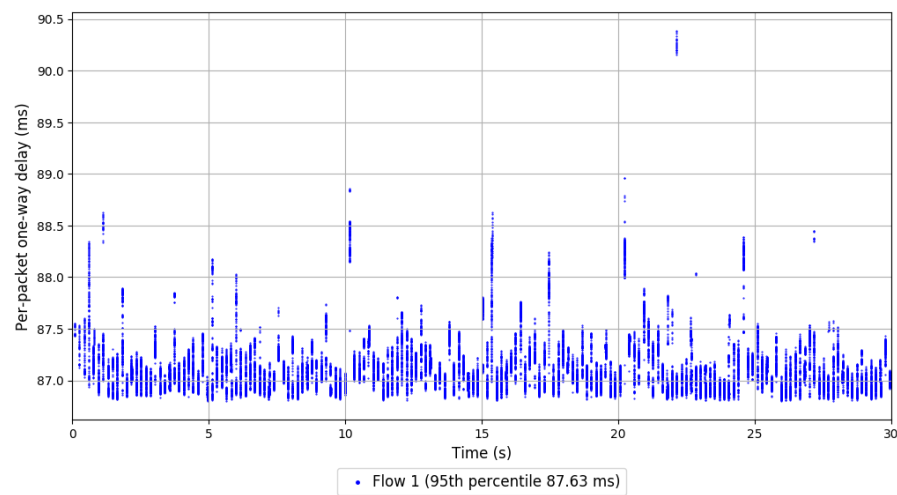
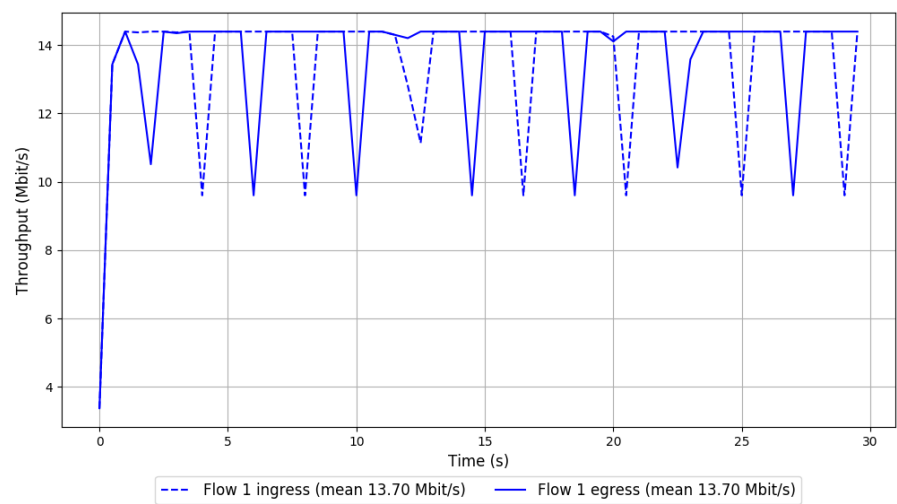
-- Flow 1:

Average throughput: 13.70 Mbit/s

95th percentile per-packet one-way delay: 87.626 ms

Loss rate: 0.04%

Run 1: Report of Saturator — Data Link

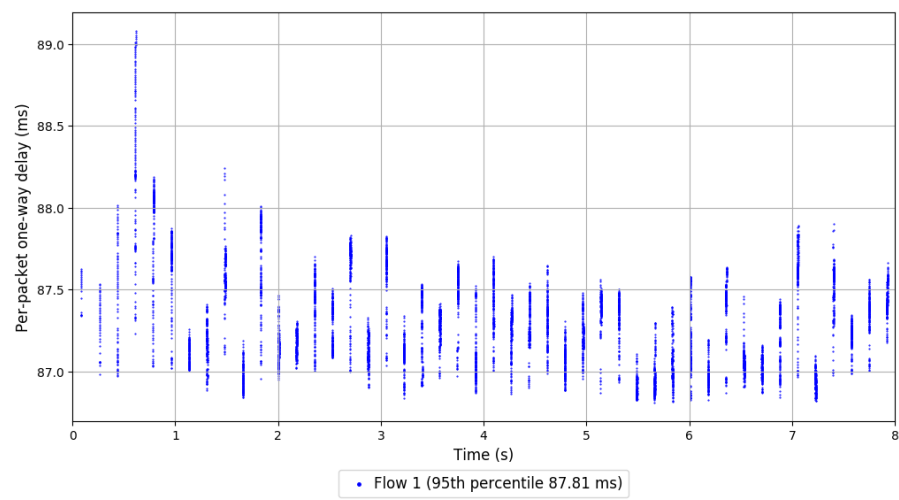
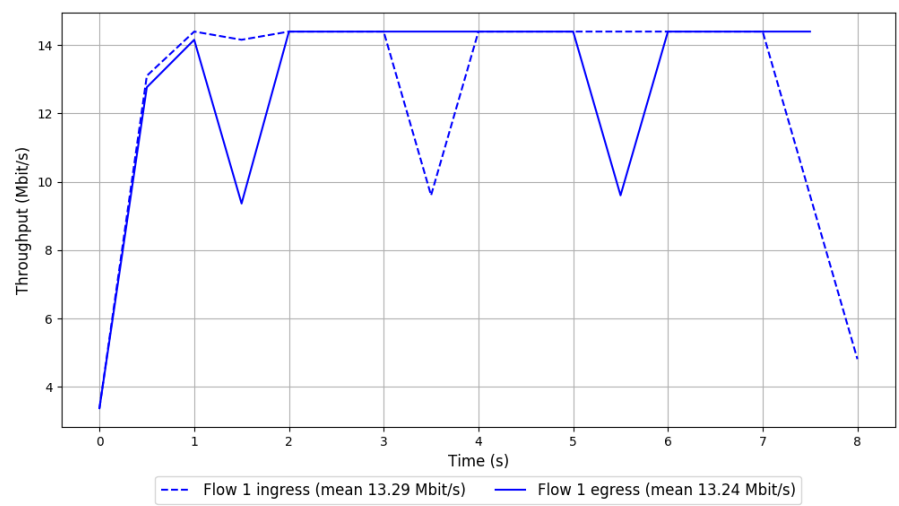


Run 2: Statistics of Saturator

Start at: Sun, 06 Aug 2017 09:05:14 +0000

End at: Sun, 06 Aug 2017 09:05:44 +0000

Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

Start at: Sun, 06 Aug 2017 09:16:21 +0000

End at: Sun, 06 Aug 2017 09:16:51 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:52:51 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.91 Mbit/s

95th percentile per-packet one-way delay: 88.006 ms

Loss rate: 2.18%

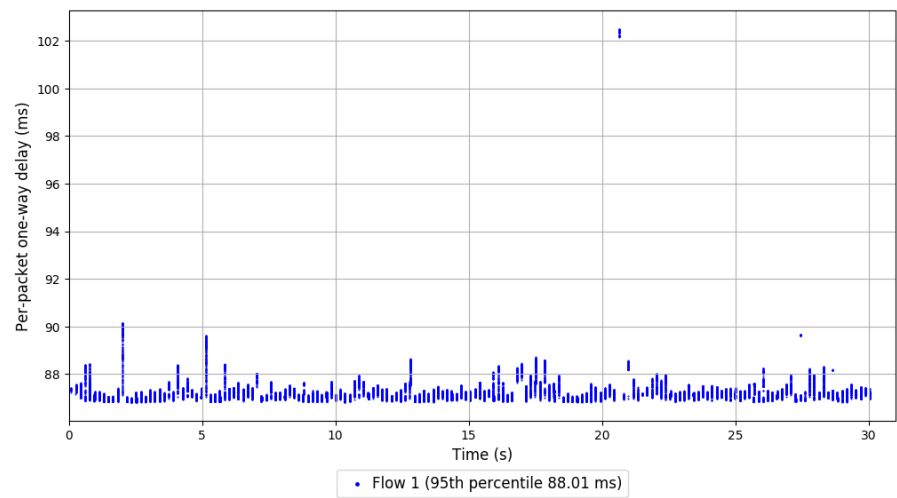
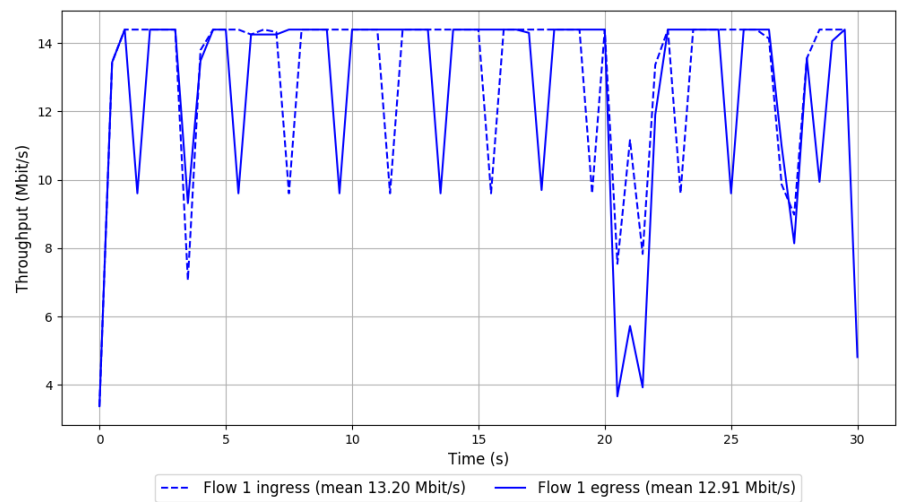
-- Flow 1:

Average throughput: 12.91 Mbit/s

95th percentile per-packet one-way delay: 88.006 ms

Loss rate: 2.18%

Run 3: Report of Saturator — Data Link



Run 4: Statistics of Saturator

Start at: Sun, 06 Aug 2017 09:27:01 +0000

End at: Sun, 06 Aug 2017 09:27:31 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:52:54 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.66 Mbit/s

95th percentile per-packet one-way delay: 88.001 ms

Loss rate: 0.00%

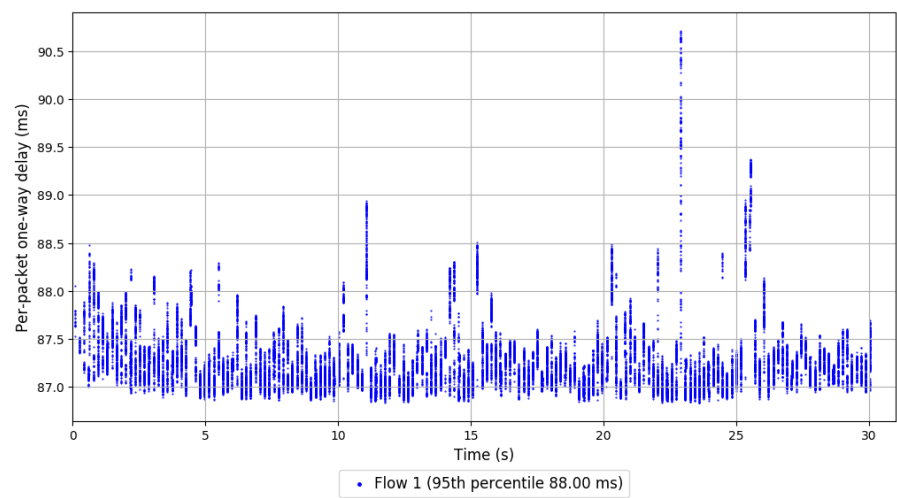
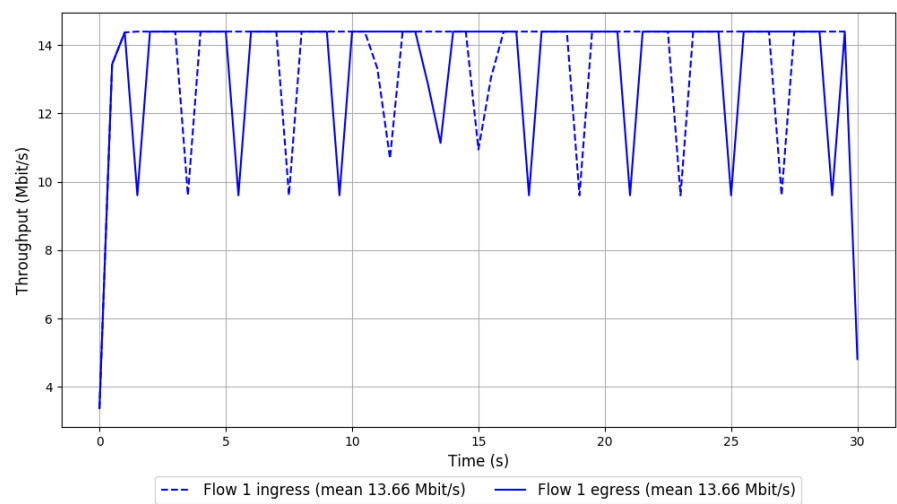
-- Flow 1:

Average throughput: 13.66 Mbit/s

95th percentile per-packet one-way delay: 88.001 ms

Loss rate: 0.00%

Run 4: Report of Saturator — Data Link

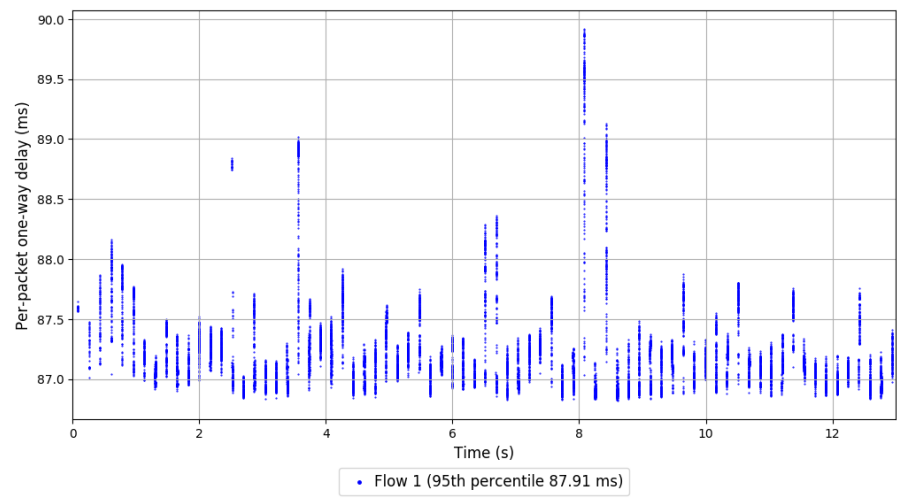
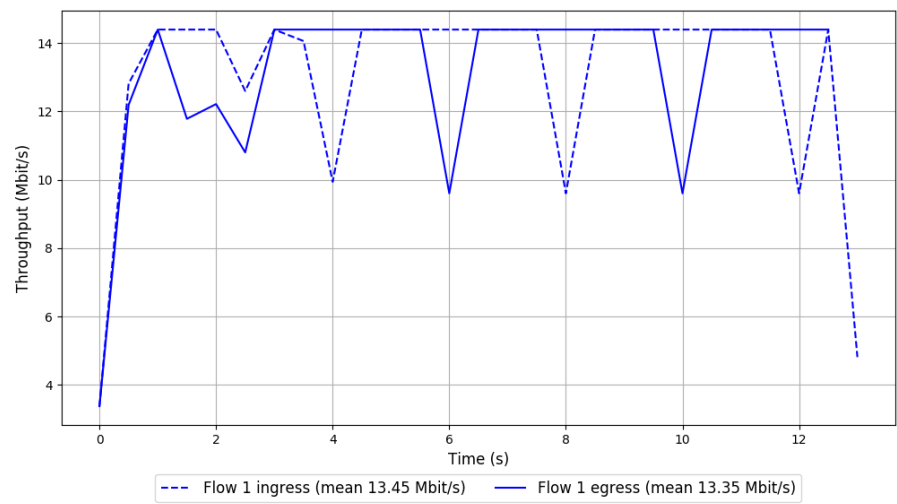


Run 5: Statistics of Saturator

Start at: Sun, 06 Aug 2017 09:38:16 +0000

End at: Sun, 06 Aug 2017 09:38:46 +0000

Run 5: Report of Saturator — Data Link

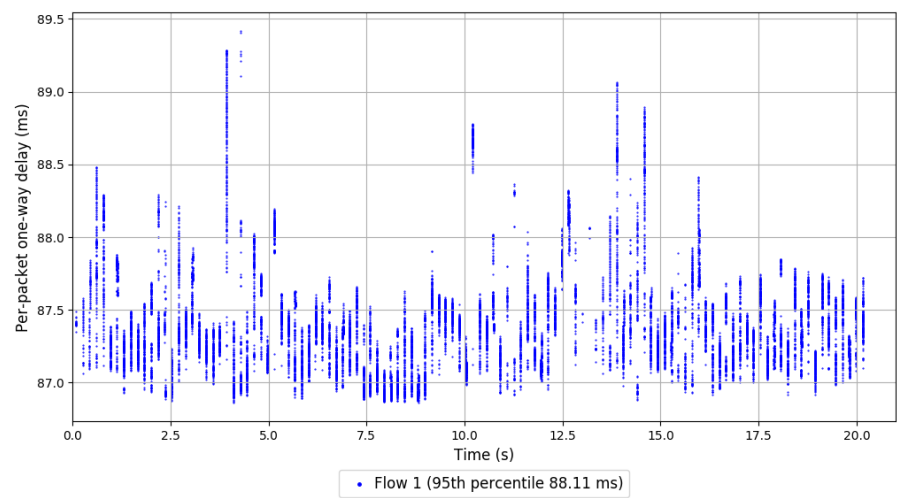
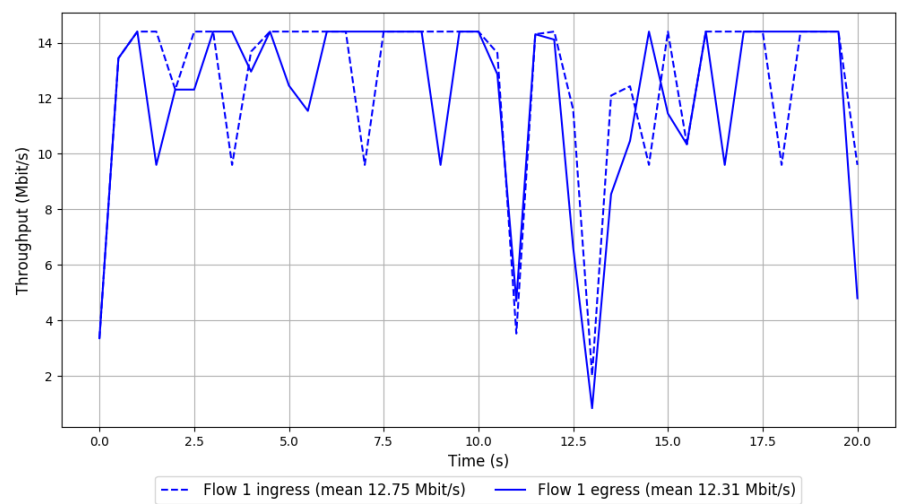


Run 6: Statistics of Saturator

Start at: Sun, 06 Aug 2017 09:49:31 +0000

End at: Sun, 06 Aug 2017 09:50:01 +0000

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

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

End at: Sun, 06 Aug 2017 10:01:18 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:52:58 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.34 Mbit/s

95th percentile per-packet one-way delay: 87.570 ms

Loss rate: 0.53%

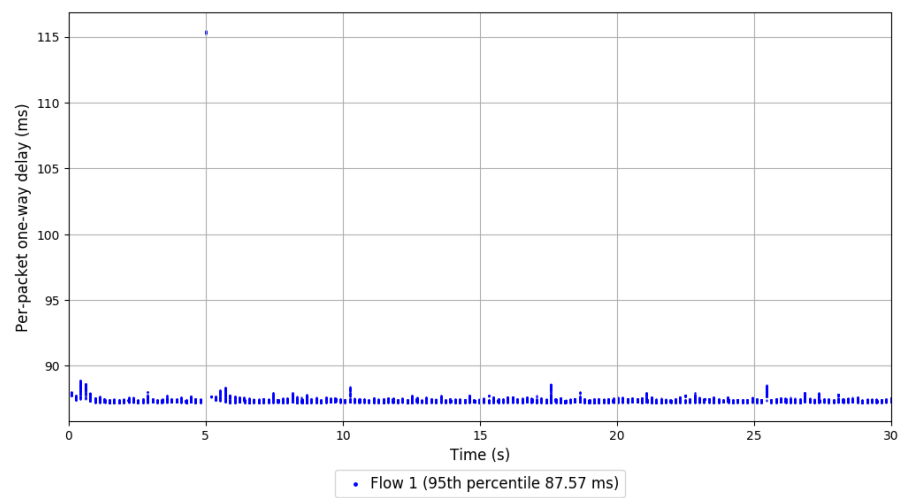
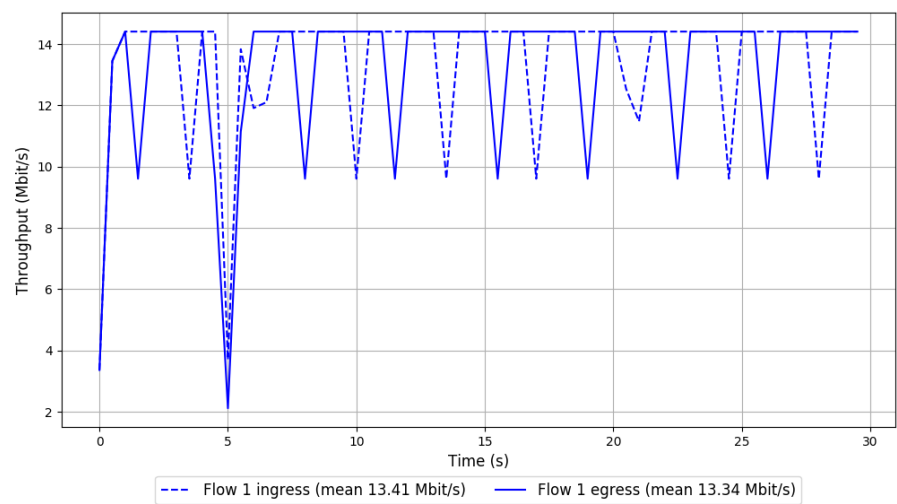
-- Flow 1:

Average throughput: 13.34 Mbit/s

95th percentile per-packet one-way delay: 87.570 ms

Loss rate: 0.53%

Run 7: Report of Saturator — Data Link



Run 8: Statistics of Saturator

Start at: Sun, 06 Aug 2017 10:11:32 +0000

End at: Sun, 06 Aug 2017 10:12:02 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:53:02 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.61 Mbit/s

95th percentile per-packet one-way delay: 87.846 ms

Loss rate: 0.20%

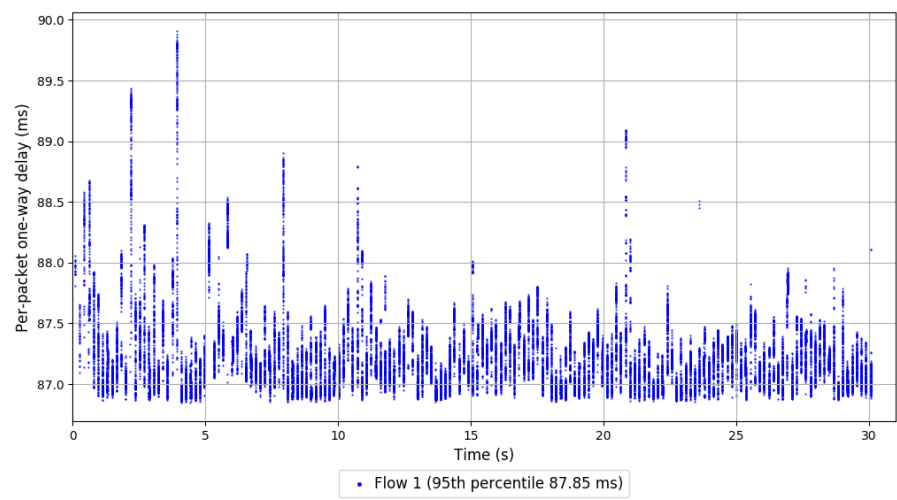
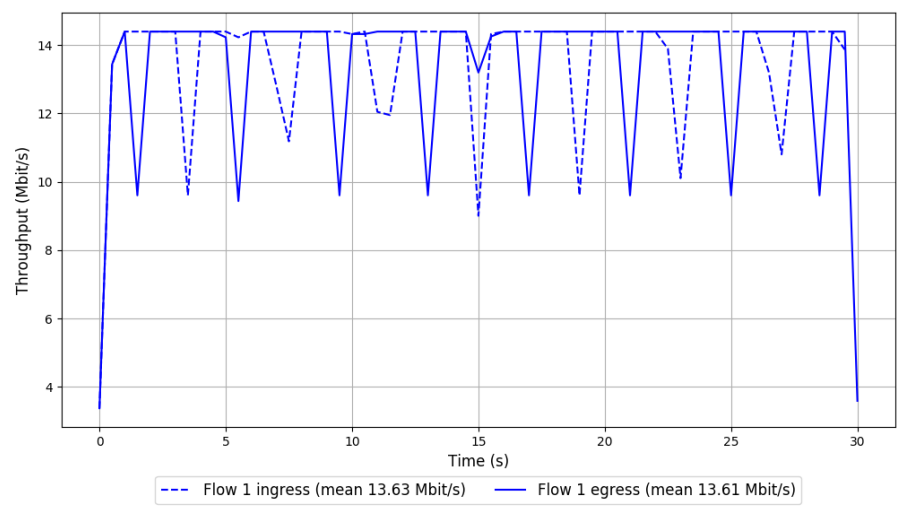
-- Flow 1:

Average throughput: 13.61 Mbit/s

95th percentile per-packet one-way delay: 87.846 ms

Loss rate: 0.20%

Run 8: Report of Saturator — Data Link

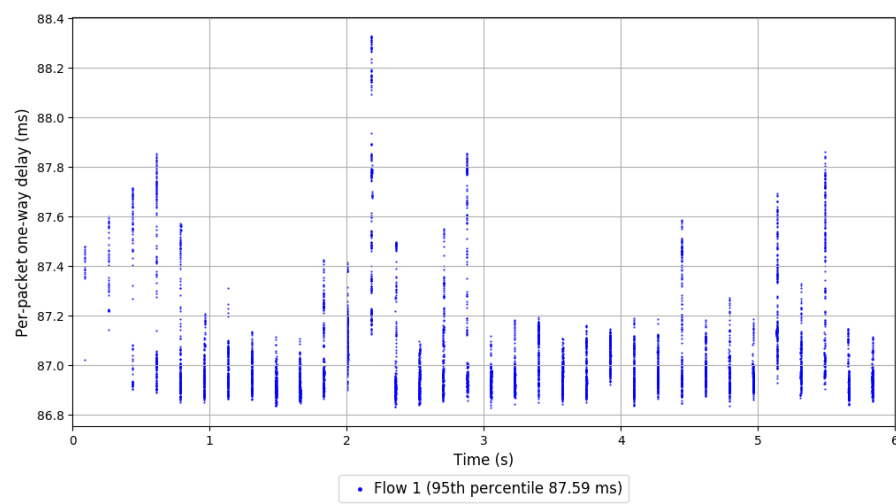
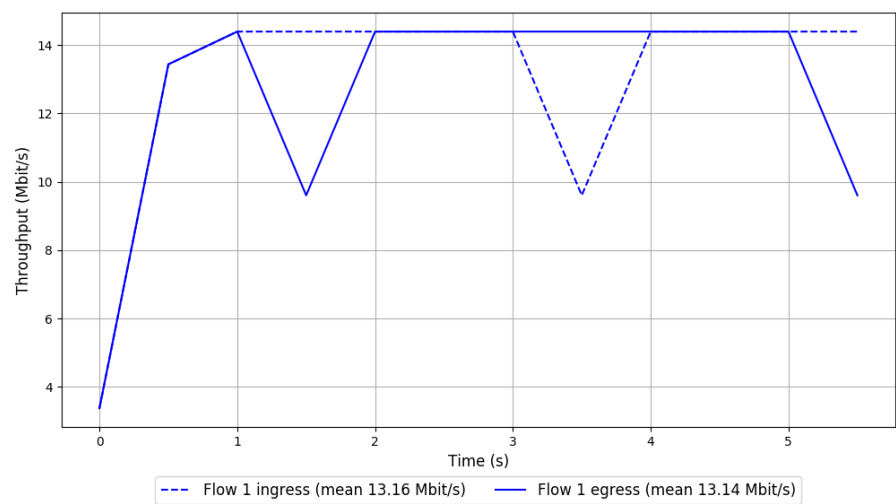


Run 9: Statistics of Saturator

Start at: Sun, 06 Aug 2017 10:22:38 +0000

End at: Sun, 06 Aug 2017 10:23:08 +0000

Run 9: Report of Saturator — Data Link

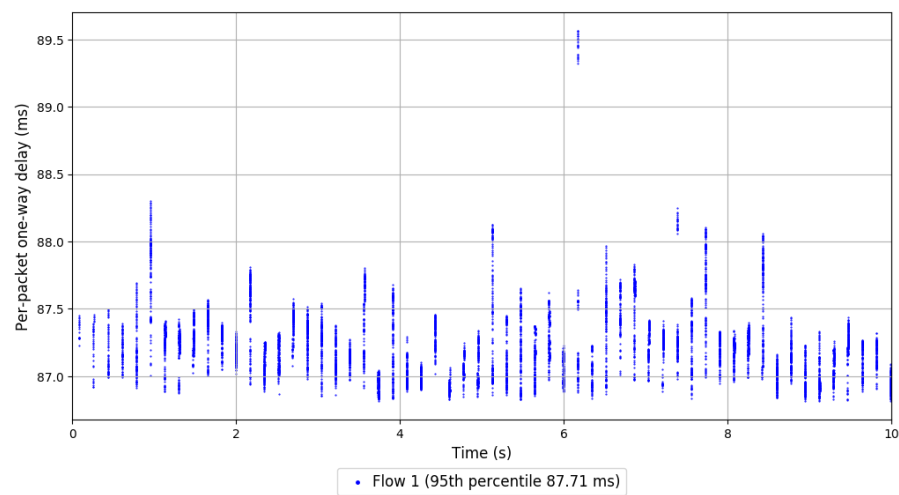
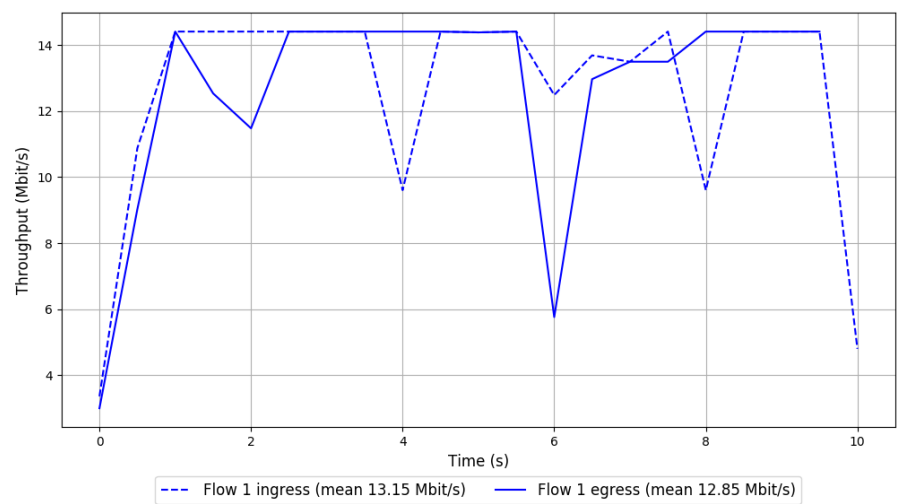


Run 10: Statistics of Saturator

Start at: Sun, 06 Aug 2017 10:33:33 +0000

End at: Sun, 06 Aug 2017 10:34:03 +0000

Run 10: Report of Saturator — Data Link



Run 1: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 08:47:04 +0000

End at: Sun, 06 Aug 2017 08:47:34 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:53:03 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.685 ms

Loss rate: 0.00%

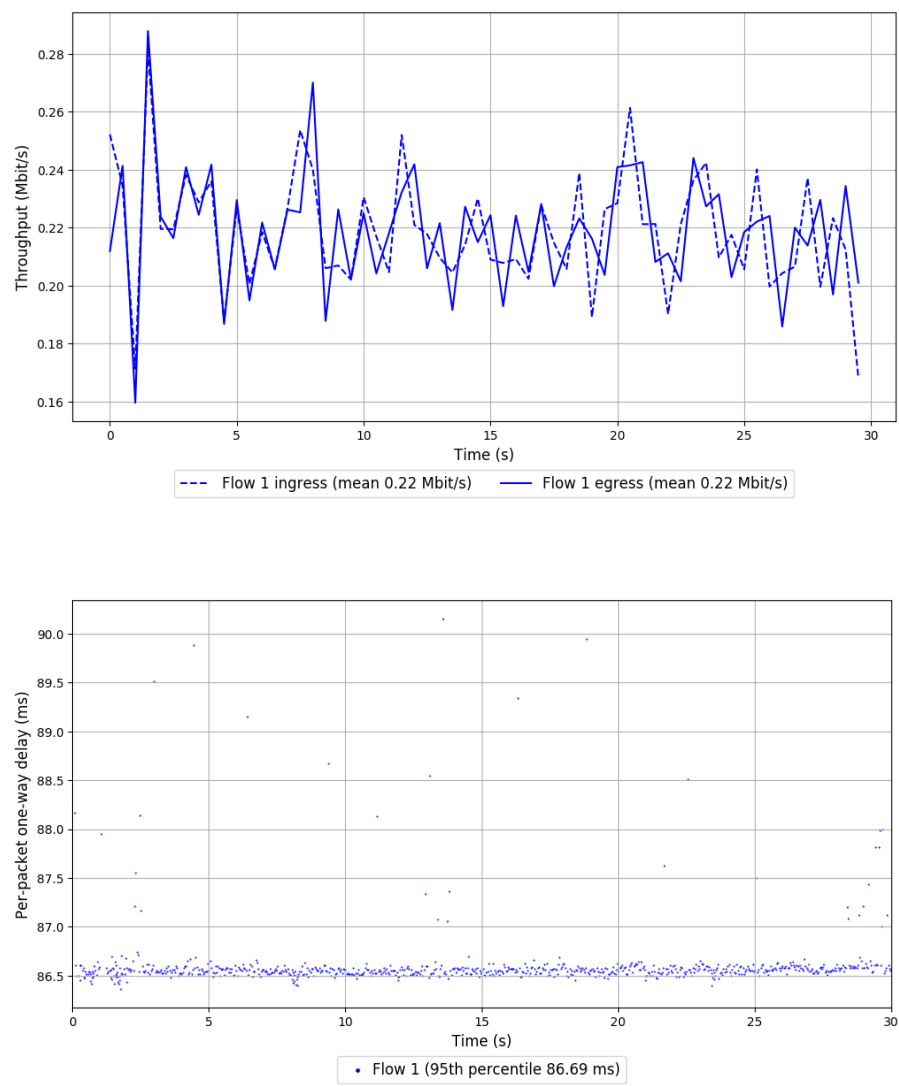
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.685 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 08:58:00 +0000

End at: Sun, 06 Aug 2017 08:58:30 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:53:03 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.071 ms

Loss rate: 0.00%

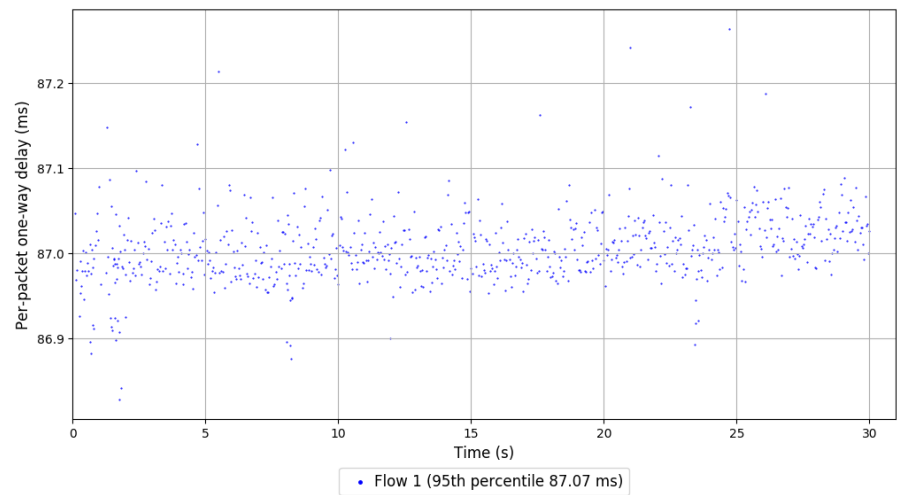
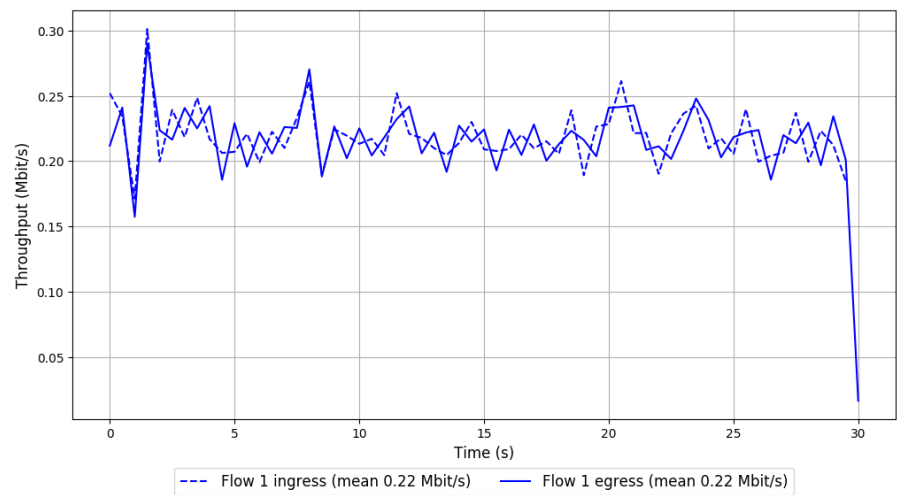
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.071 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 09:09:10 +0000

End at: Sun, 06 Aug 2017 09:09:40 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:53:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 87.016 ms

Loss rate: 0.00%

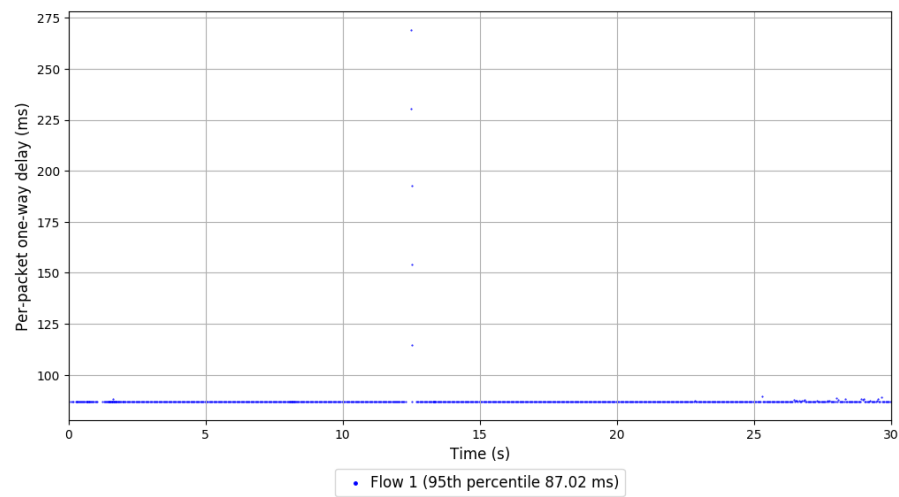
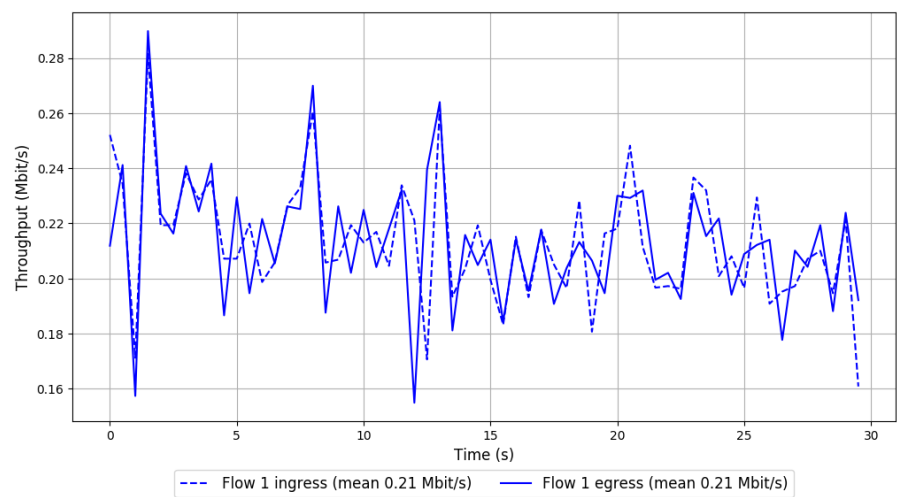
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 87.016 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 09:19:51 +0000

End at: Sun, 06 Aug 2017 09:20:21 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:53:05 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.014 ms

Loss rate: 0.00%

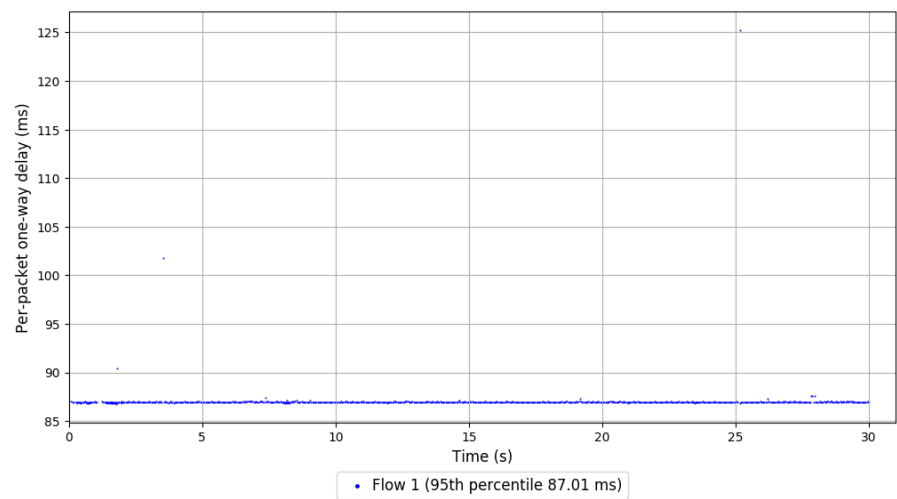
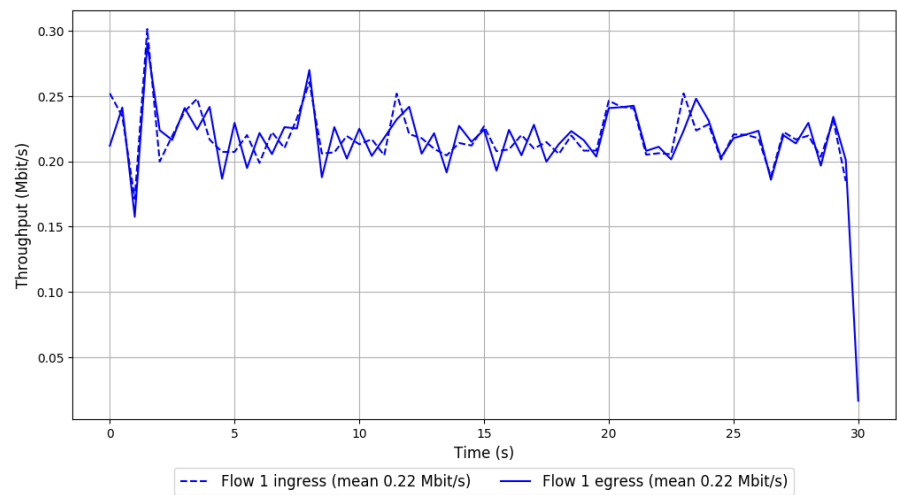
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.014 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 09:31:00 +0000

End at: Sun, 06 Aug 2017 09:31:30 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:53:06 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.100 ms

Loss rate: 0.00%

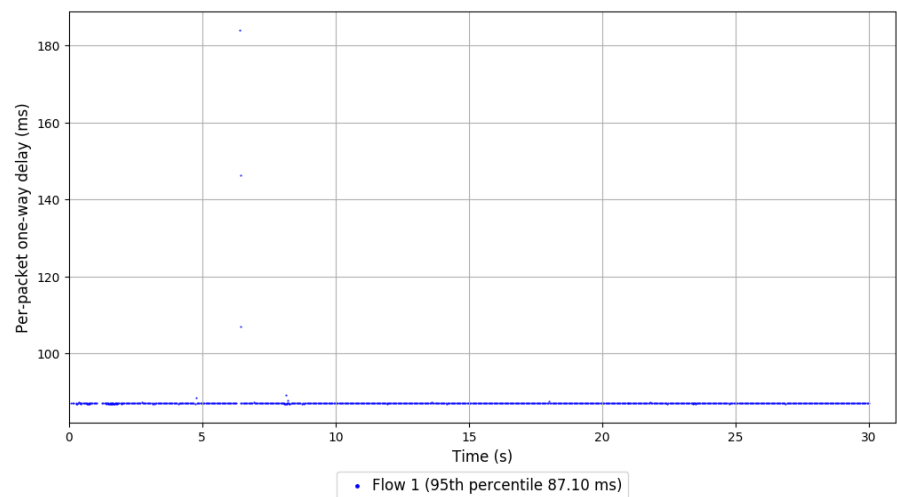
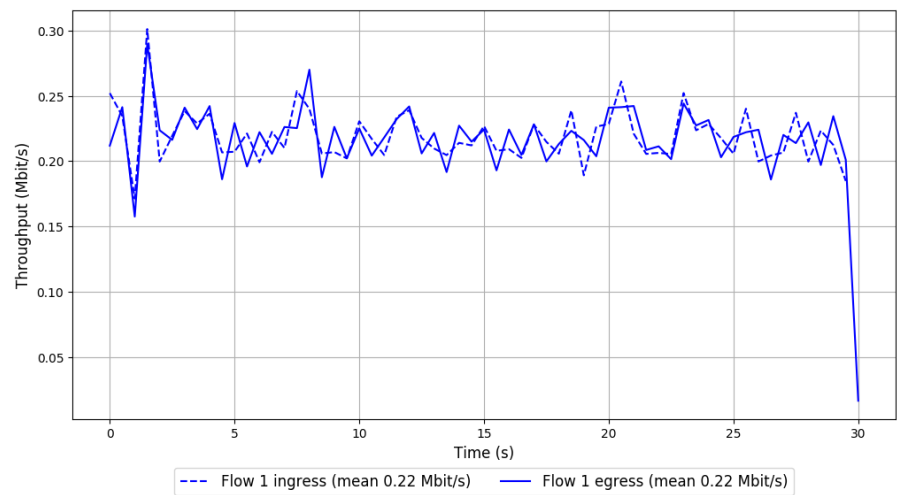
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.100 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 09:42:15 +0000

End at: Sun, 06 Aug 2017 09:42:45 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:53:06 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.993 ms

Loss rate: 0.00%

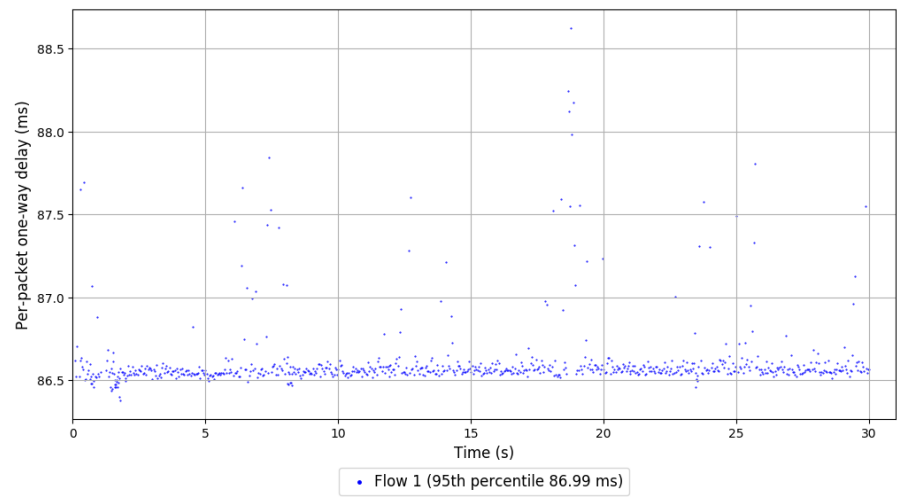
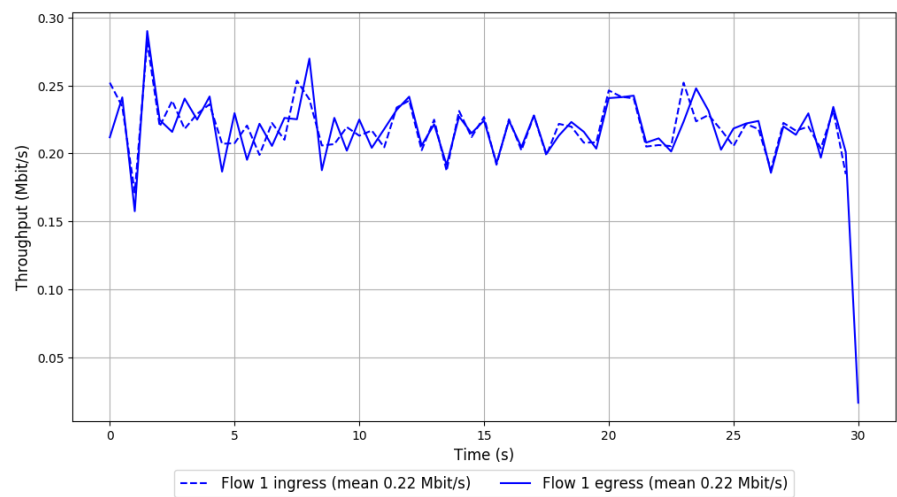
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.993 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 09:53:29 +0000

End at: Sun, 06 Aug 2017 09:53:59 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:53:07 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.131 ms

Loss rate: 0.00%

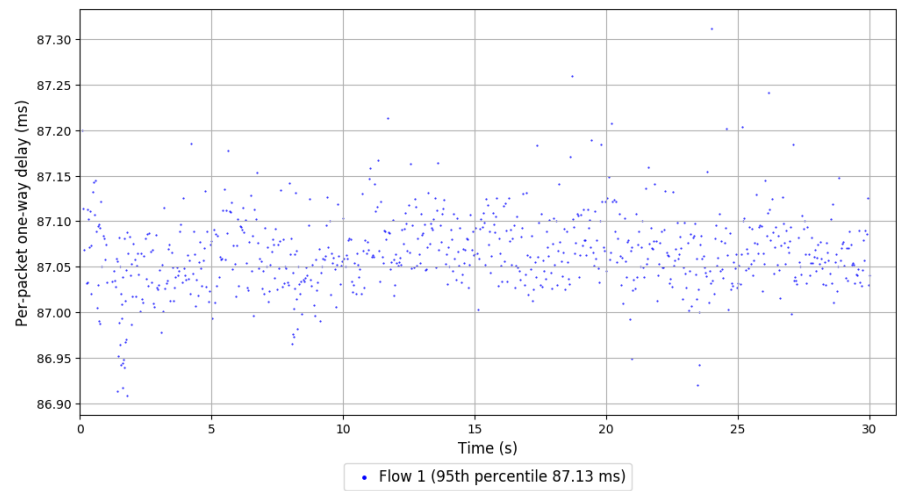
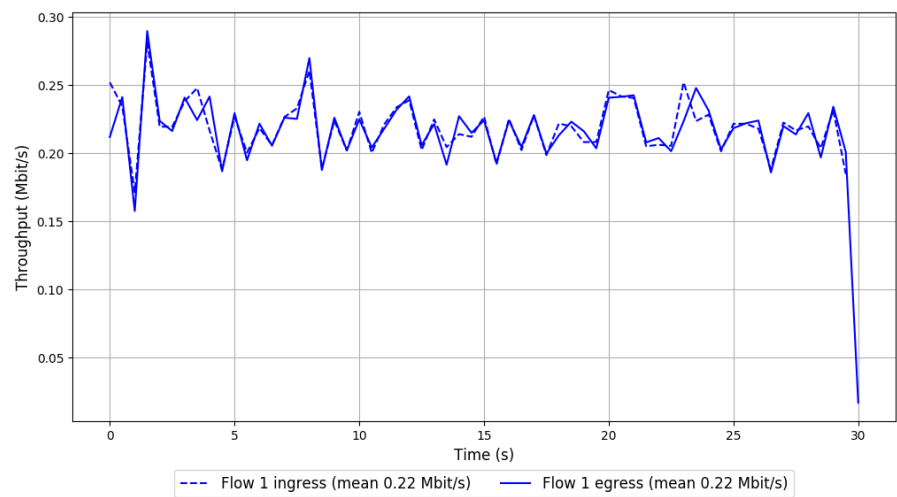
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.131 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 10:04:20 +0000

End at: Sun, 06 Aug 2017 10:04:50 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:53:08 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.122 ms

Loss rate: 0.00%

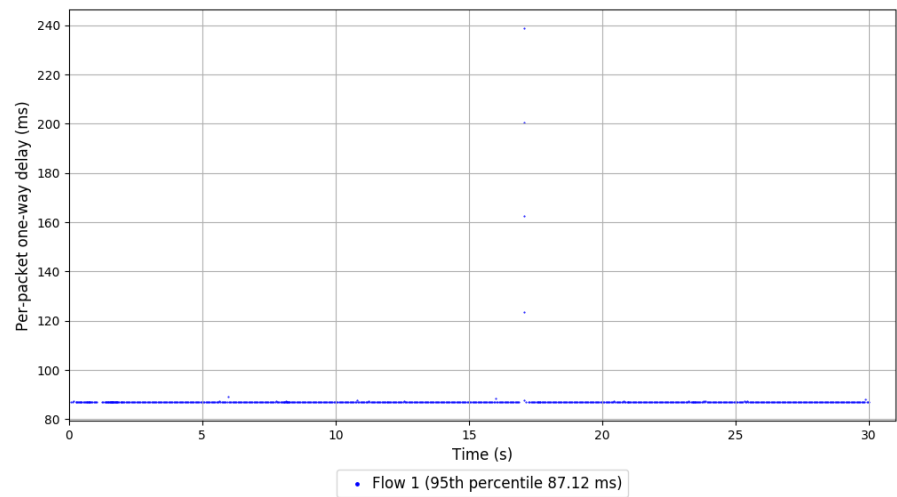
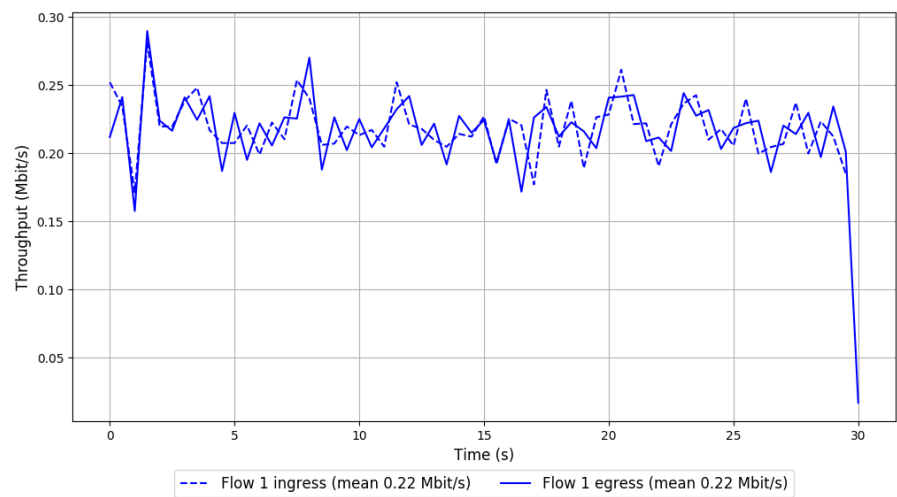
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.122 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 10:15:33 +0000

End at: Sun, 06 Aug 2017 10:16:03 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:53:09 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.678 ms

Loss rate: 0.00%

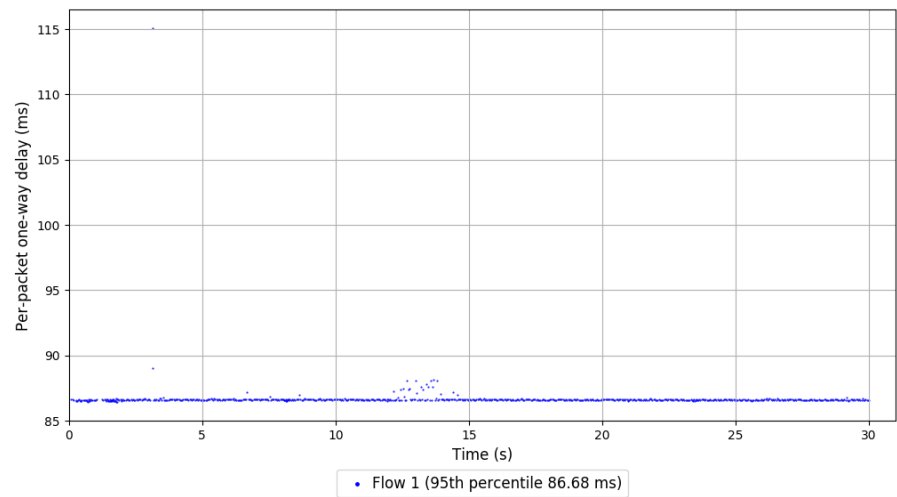
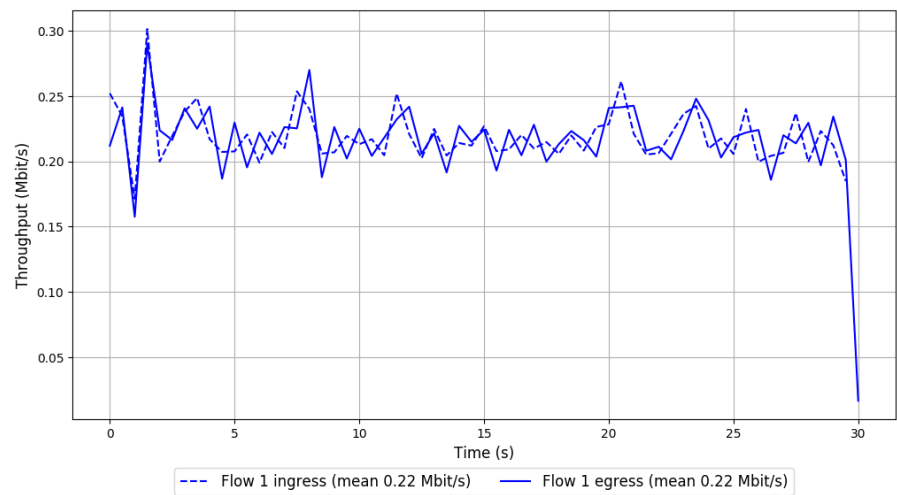
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.678 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: Sun, 06 Aug 2017 10:26:18 +0000

End at: Sun, 06 Aug 2017 10:26:48 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:53:09 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.251 ms

Loss rate: 0.00%

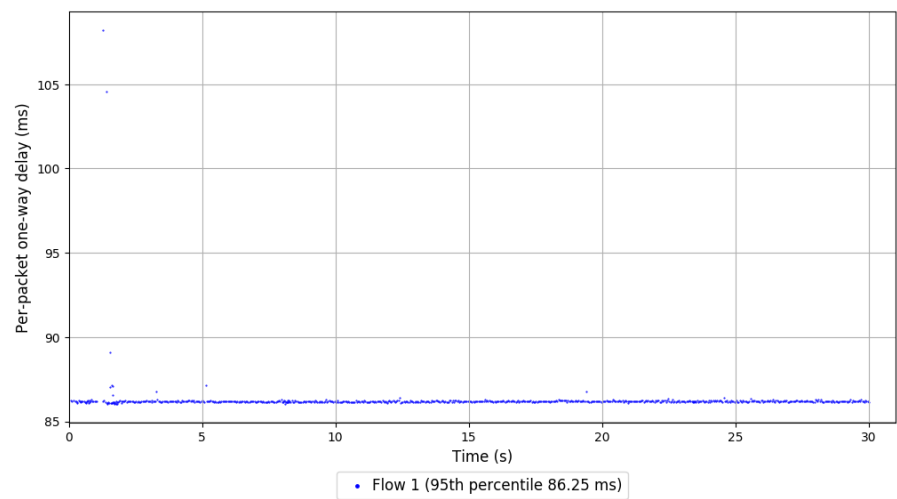
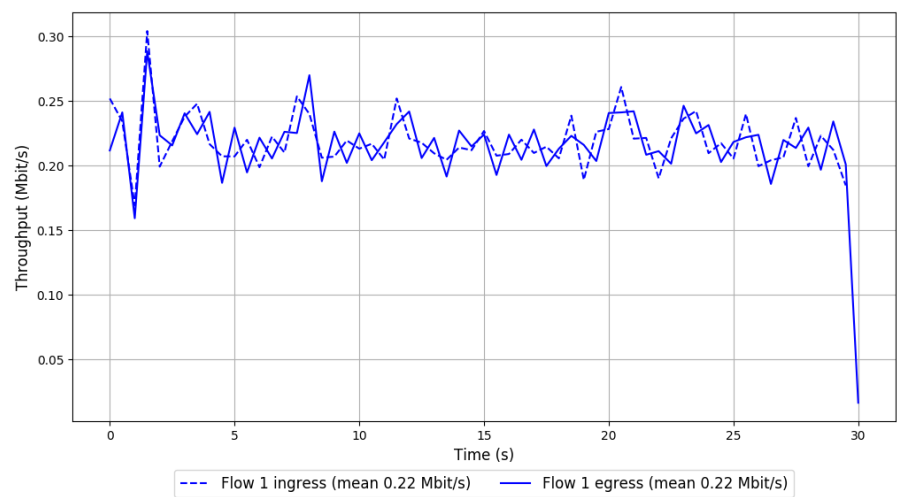
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.251 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

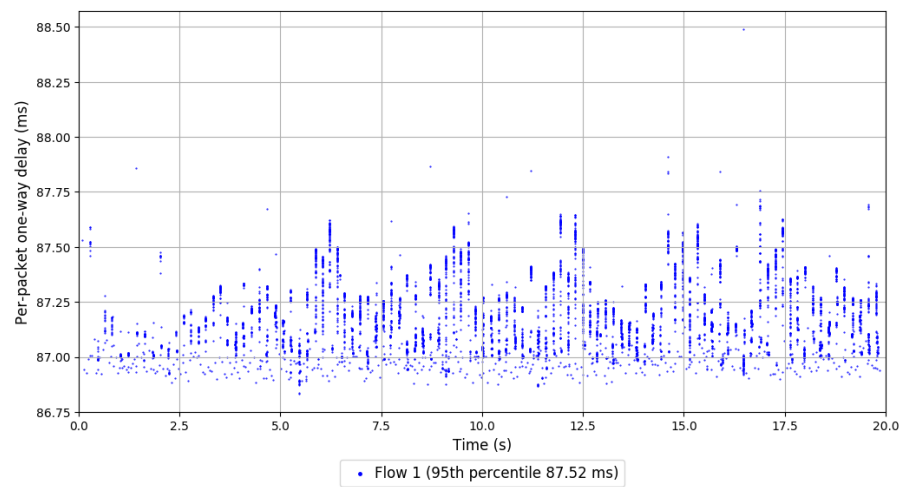
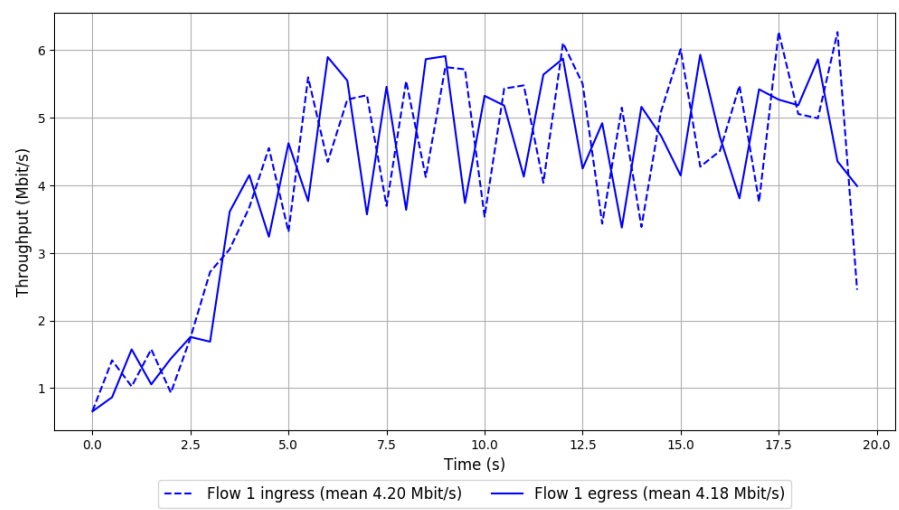


Run 1: Statistics of Sprout

Start at: Sun, 06 Aug 2017 08:51:39 +0000

End at: Sun, 06 Aug 2017 08:52:09 +0000

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: Sun, 06 Aug 2017 09:02:34 +0000

End at: Sun, 06 Aug 2017 09:03:04 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:53:11 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.61 Mbit/s

95th percentile per-packet one-way delay: 87.277 ms

Loss rate: 4.32%

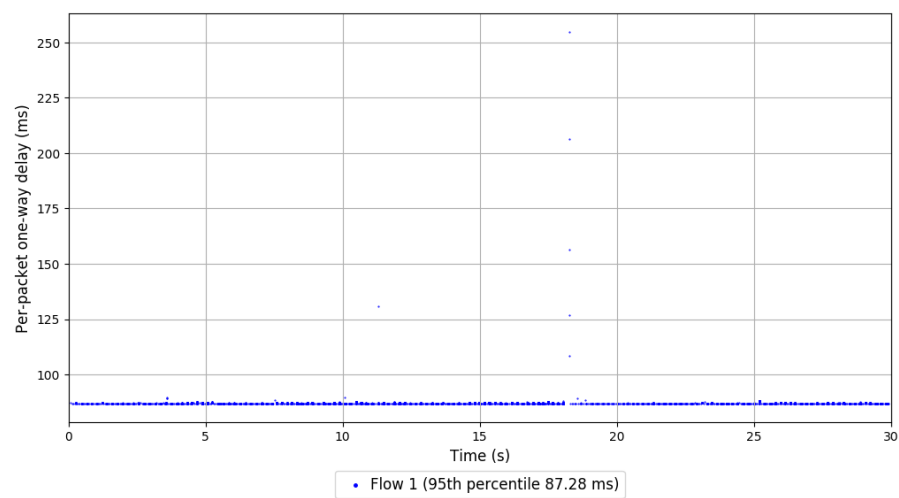
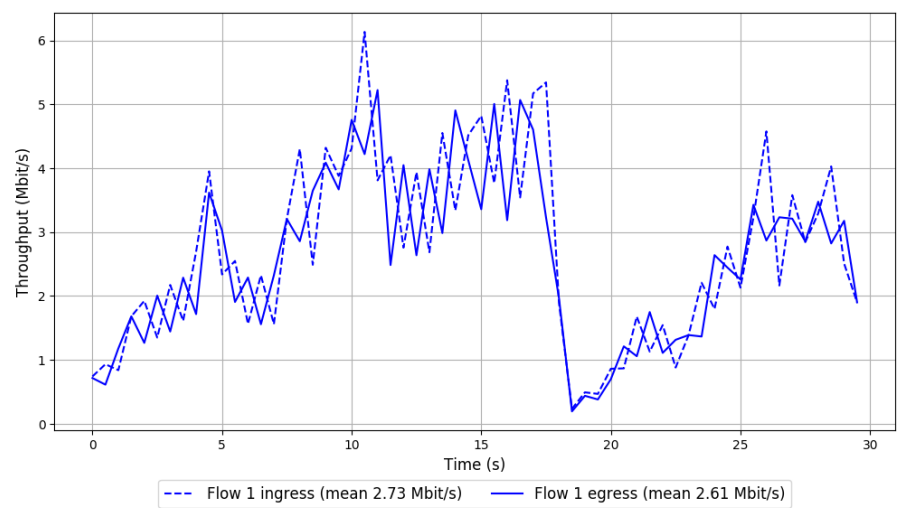
-- Flow 1:

Average throughput: 2.61 Mbit/s

95th percentile per-packet one-way delay: 87.277 ms

Loss rate: 4.32%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: Sun, 06 Aug 2017 09:13:43 +0000

End at: Sun, 06 Aug 2017 09:14:13 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:53:13 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.24 Mbit/s

95th percentile per-packet one-way delay: 87.339 ms

Loss rate: 1.48%

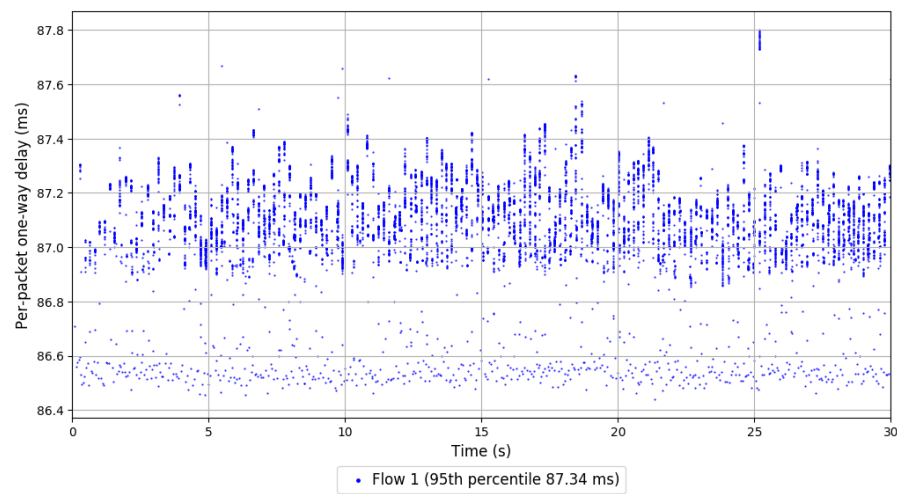
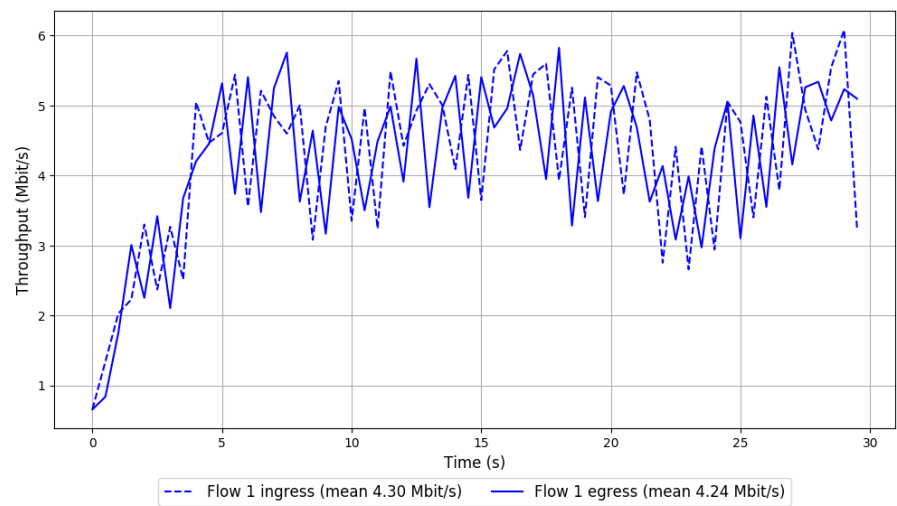
-- Flow 1:

Average throughput: 4.24 Mbit/s

95th percentile per-packet one-way delay: 87.339 ms

Loss rate: 1.48%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: Sun, 06 Aug 2017 09:24:23 +0000

End at: Sun, 06 Aug 2017 09:24:53 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:53:13 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.53 Mbit/s

95th percentile per-packet one-way delay: 87.540 ms

Loss rate: 2.91%

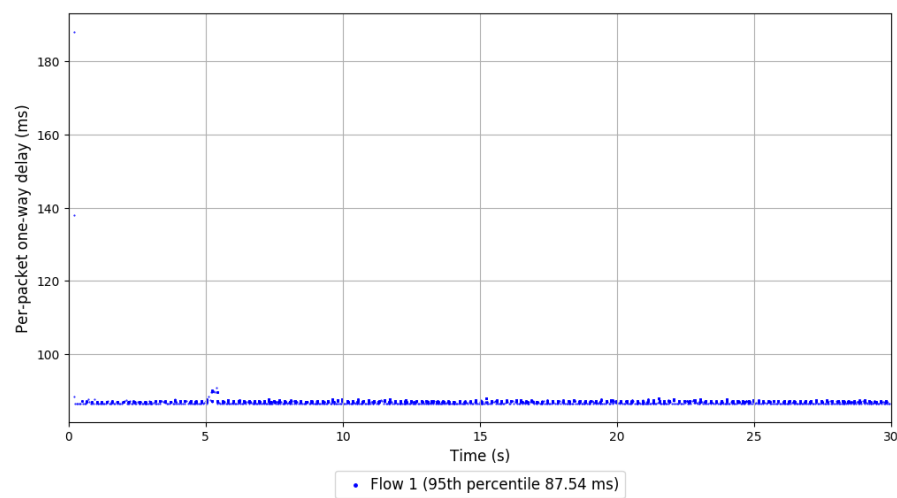
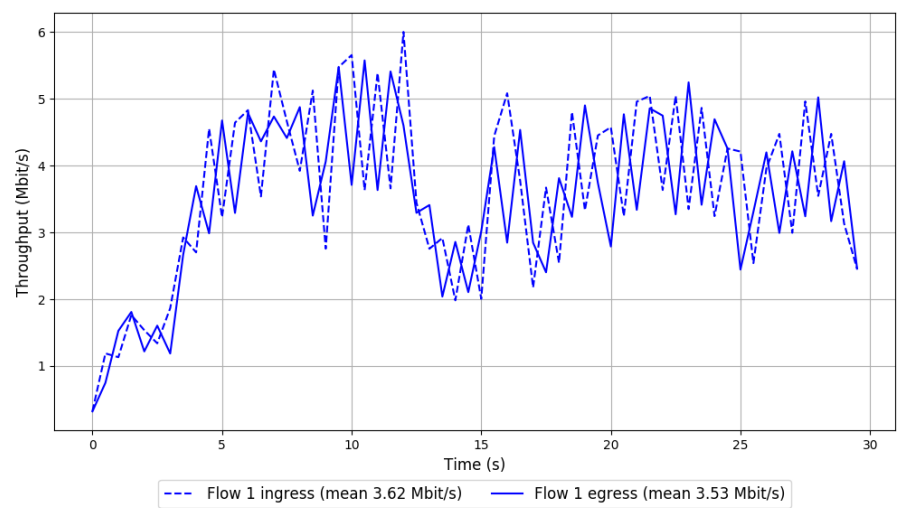
-- Flow 1:

Average throughput: 3.53 Mbit/s

95th percentile per-packet one-way delay: 87.540 ms

Loss rate: 2.91%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: Sun, 06 Aug 2017 09:35:35 +0000

End at: Sun, 06 Aug 2017 09:36:05 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:53:15 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.09 Mbit/s

95th percentile per-packet one-way delay: 87.293 ms

Loss rate: 2.67%

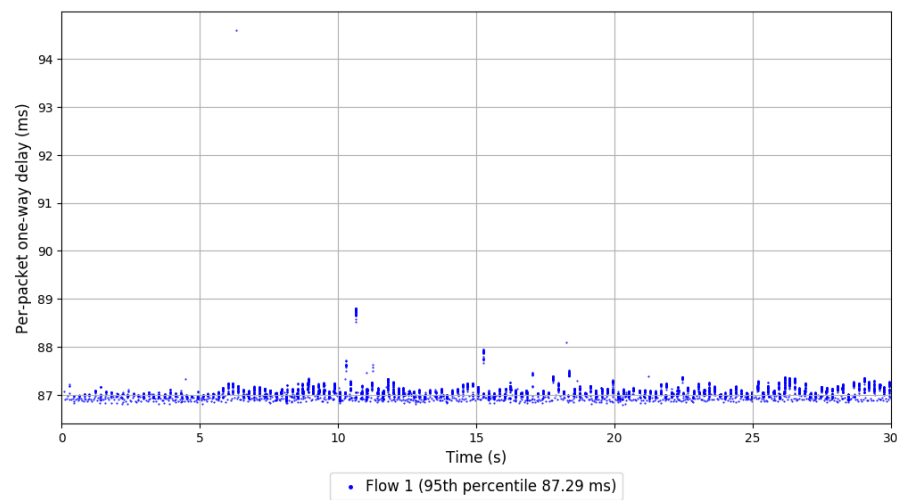
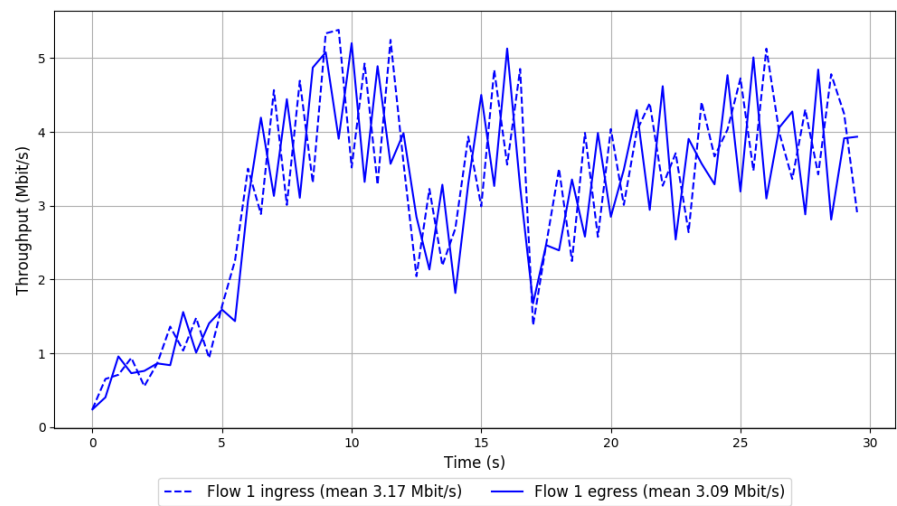
-- Flow 1:

Average throughput: 3.09 Mbit/s

95th percentile per-packet one-way delay: 87.293 ms

Loss rate: 2.67%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: Sun, 06 Aug 2017 09:46:53 +0000

End at: Sun, 06 Aug 2017 09:47:23 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:53:15 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.53 Mbit/s

95th percentile per-packet one-way delay: 87.420 ms

Loss rate: 3.76%

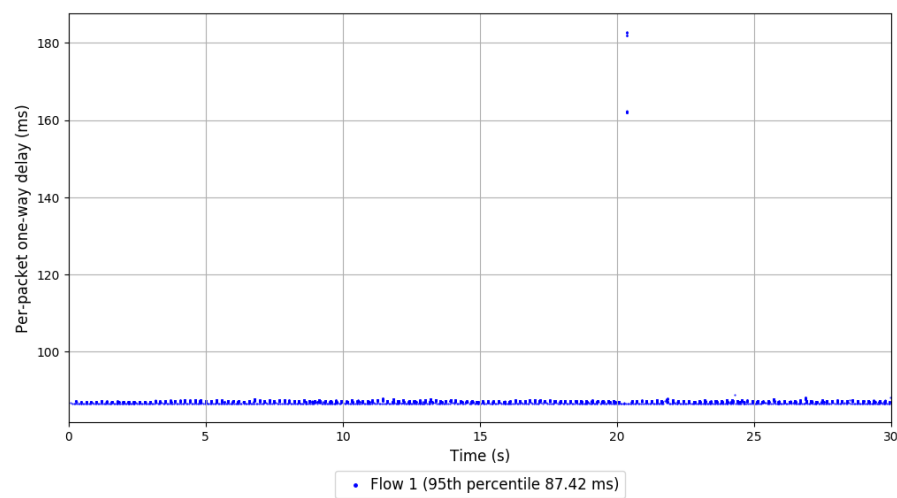
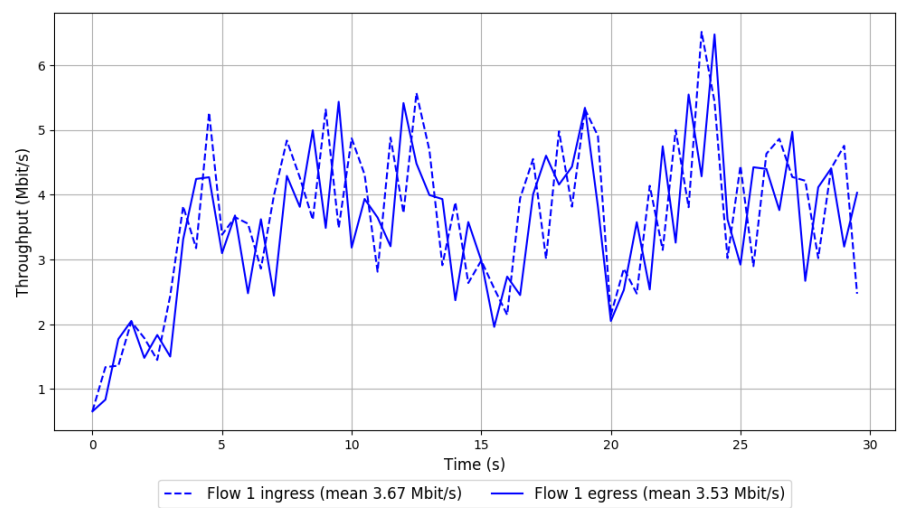
-- Flow 1:

Average throughput: 3.53 Mbit/s

95th percentile per-packet one-way delay: 87.420 ms

Loss rate: 3.76%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: Sun, 06 Aug 2017 09:58:09 +0000

End at: Sun, 06 Aug 2017 09:58:39 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:53:18 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.79 Mbit/s

95th percentile per-packet one-way delay: 87.403 ms

Loss rate: 2.51%

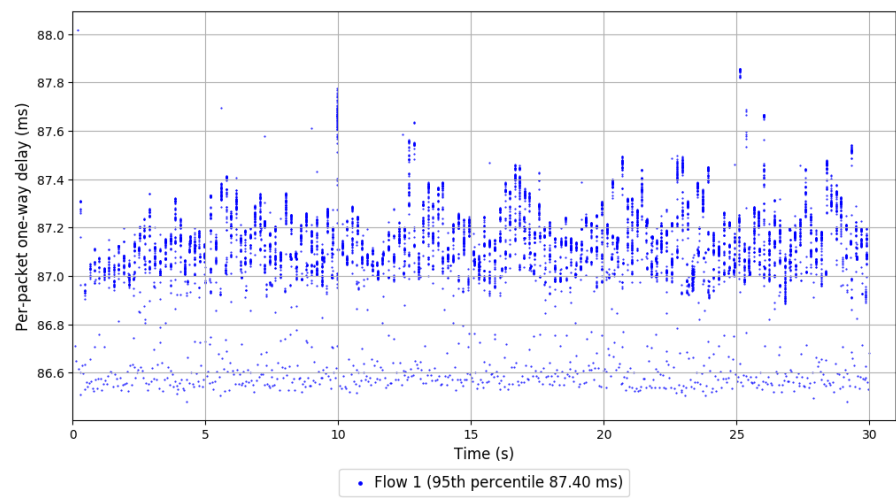
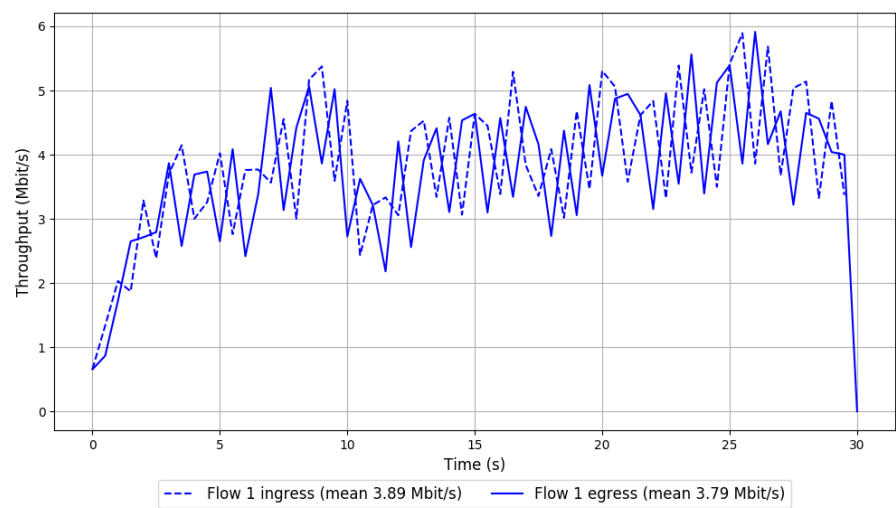
-- Flow 1:

Average throughput: 3.79 Mbit/s

95th percentile per-packet one-way delay: 87.403 ms

Loss rate: 2.51%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: Sun, 06 Aug 2017 10:08:54 +0000

End at: Sun, 06 Aug 2017 10:09:24 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:53:18 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.58 Mbit/s

95th percentile per-packet one-way delay: 87.357 ms

Loss rate: 4.89%

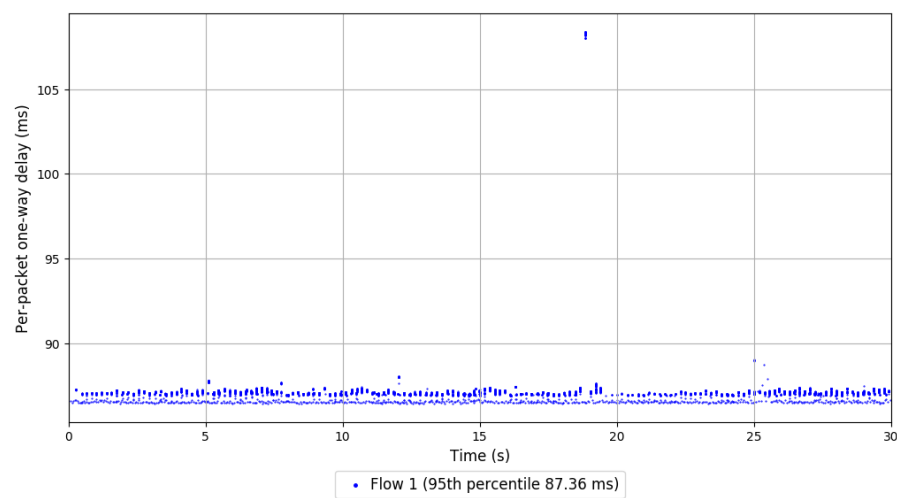
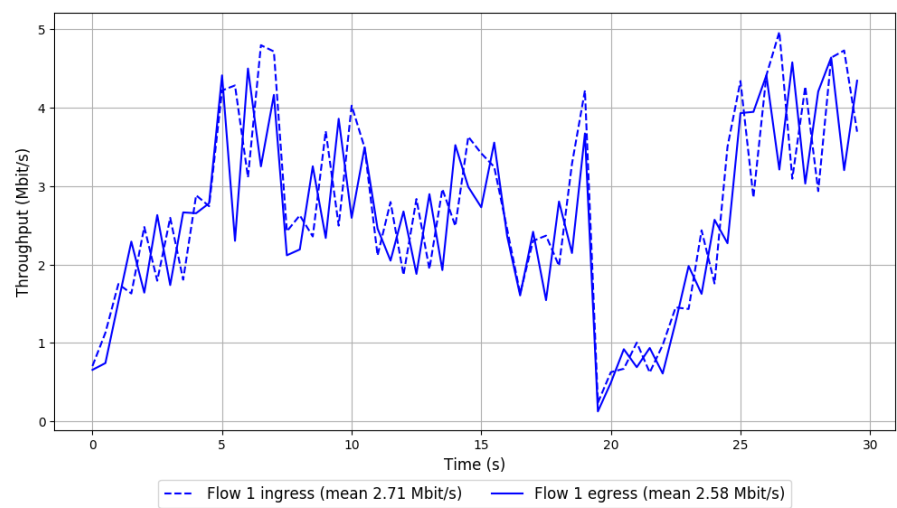
-- Flow 1:

Average throughput: 2.58 Mbit/s

95th percentile per-packet one-way delay: 87.357 ms

Loss rate: 4.89%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: Sun, 06 Aug 2017 10:19:59 +0000

End at: Sun, 06 Aug 2017 10:20:29 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:53:20 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.35 Mbit/s

95th percentile per-packet one-way delay: 87.849 ms

Loss rate: 0.00%

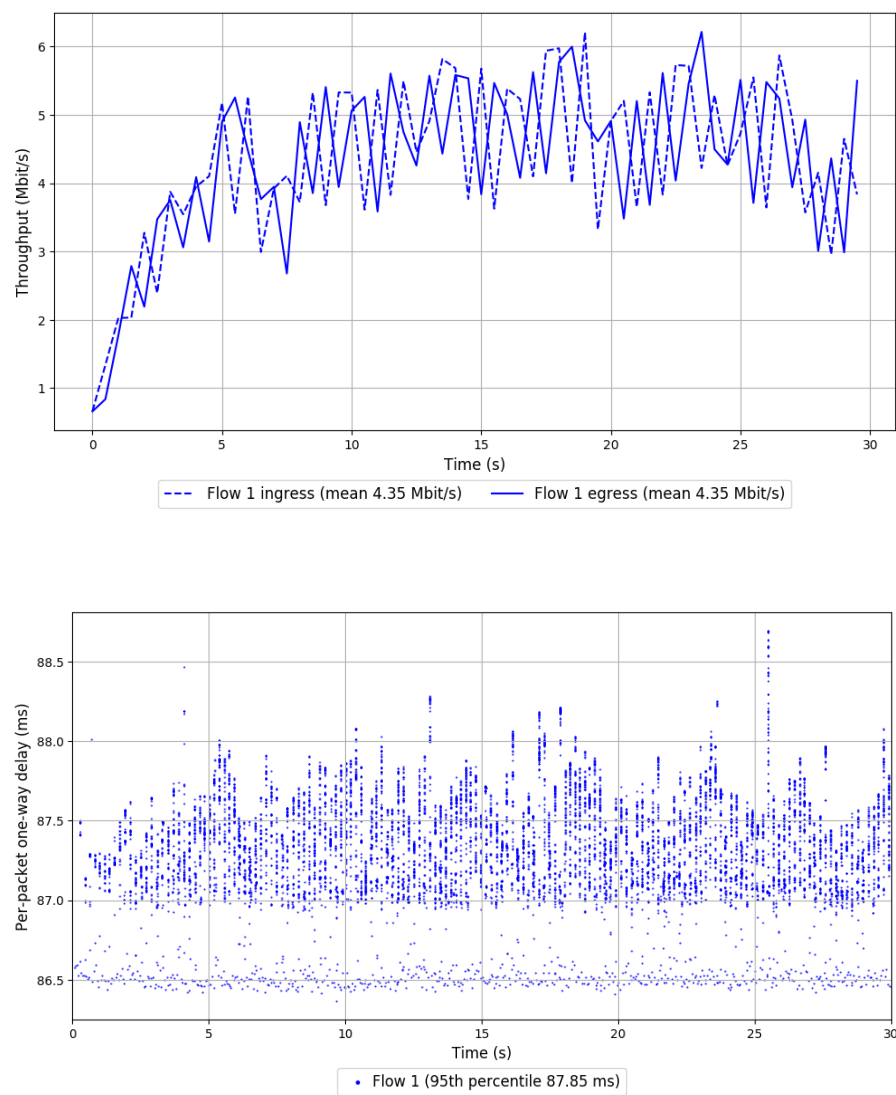
-- Flow 1:

Average throughput: 4.35 Mbit/s

95th percentile per-packet one-way delay: 87.849 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: Sun, 06 Aug 2017 10:30:54 +0000

End at: Sun, 06 Aug 2017 10:31:24 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:53:20 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.88 Mbit/s

95th percentile per-packet one-way delay: 87.291 ms

Loss rate: 4.25%

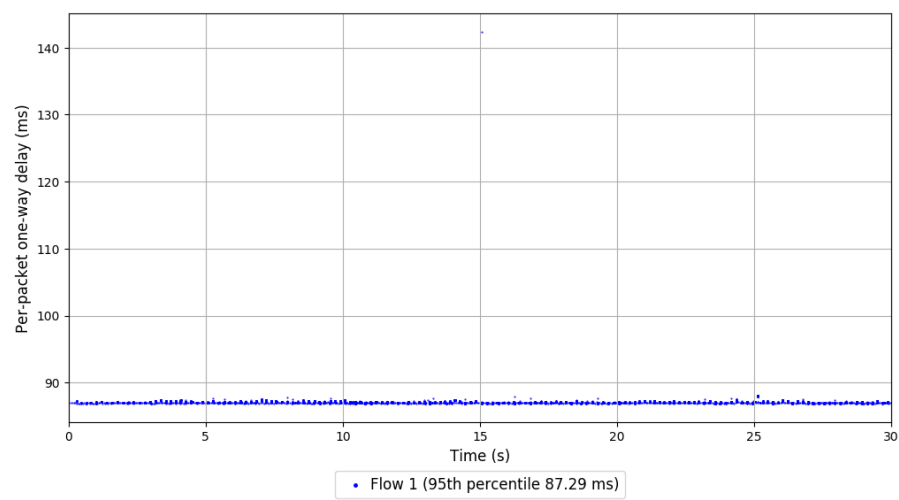
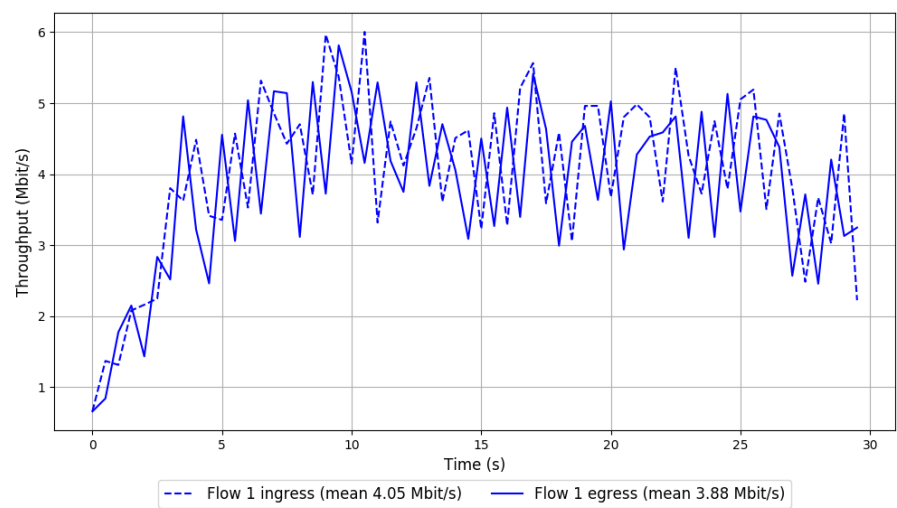
-- Flow 1:

Average throughput: 3.88 Mbit/s

95th percentile per-packet one-way delay: 87.291 ms

Loss rate: 4.25%

Run 10: Report of Sprout — Data Link

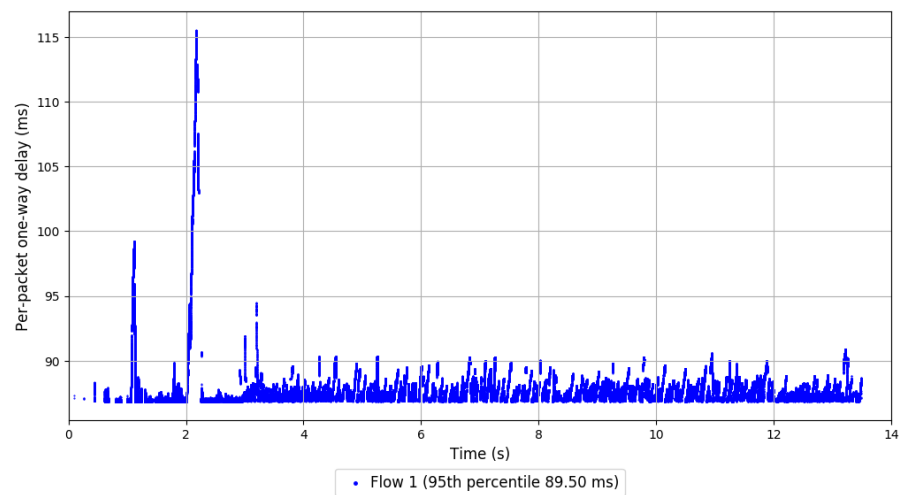
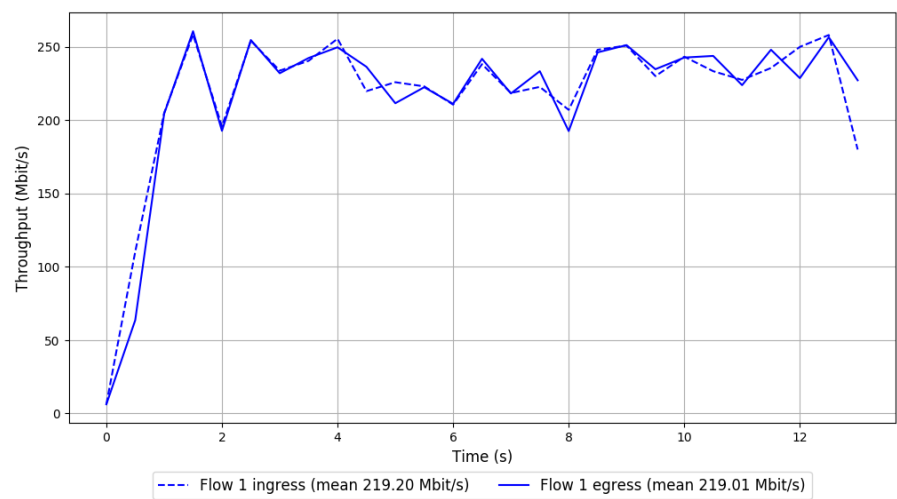


Run 1: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 08:46:14 +0000

End at: Sun, 06 Aug 2017 08:46:44 +0000

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

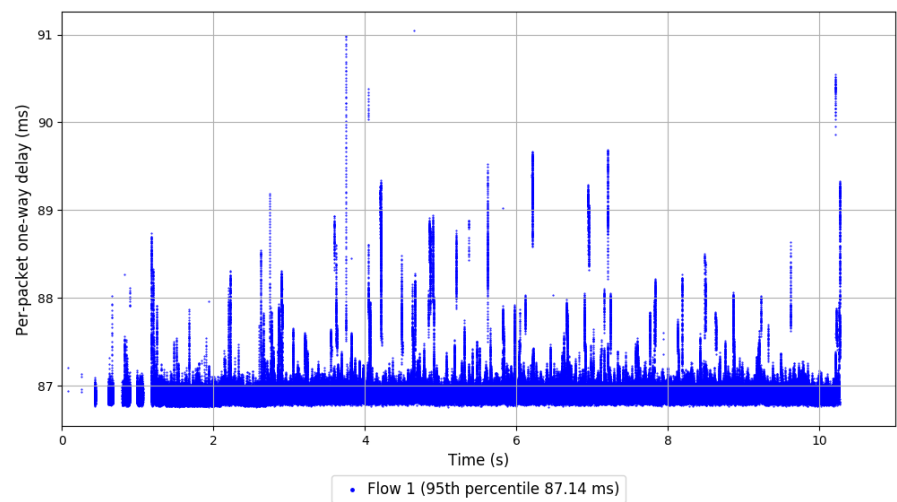
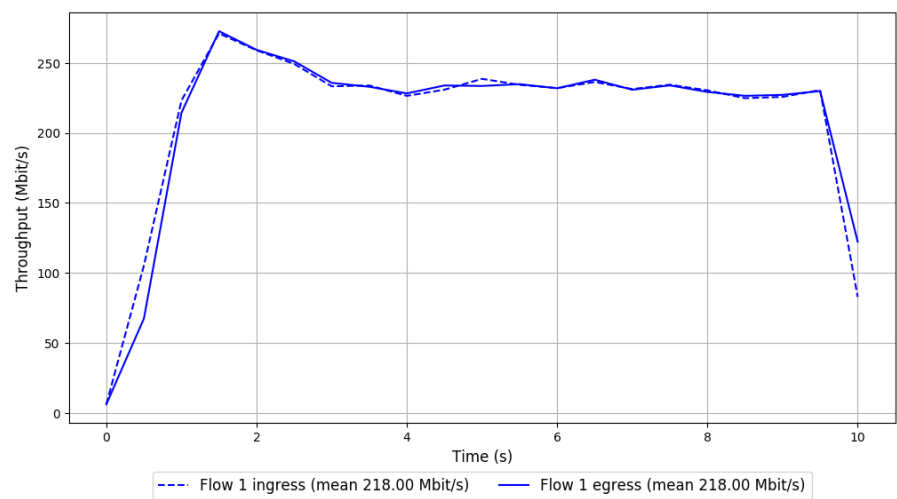


Run 2: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 08:57:13 +0000

End at: Sun, 06 Aug 2017 08:57:43 +0000

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



Run 3: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 09:08:09 +0000

End at: Sun, 06 Aug 2017 09:08:39 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:55:14 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.41 Mbit/s

95th percentile per-packet one-way delay: 90.248 ms

Loss rate: 0.46%

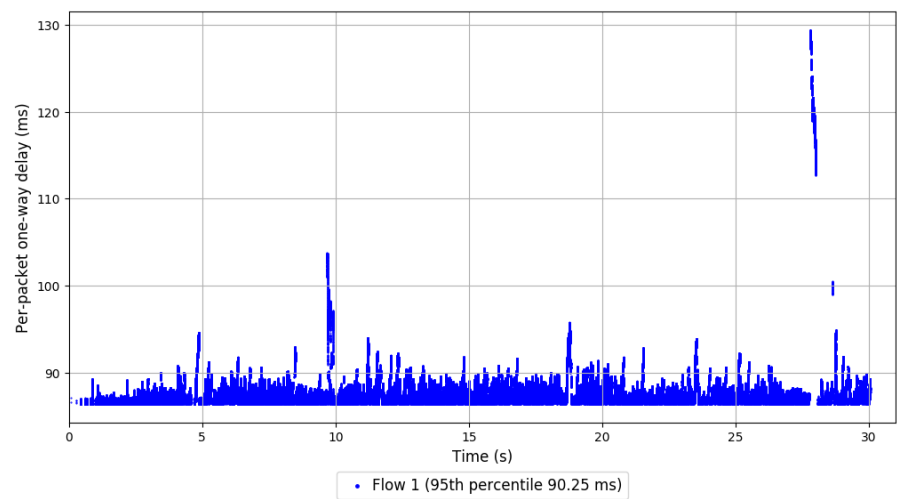
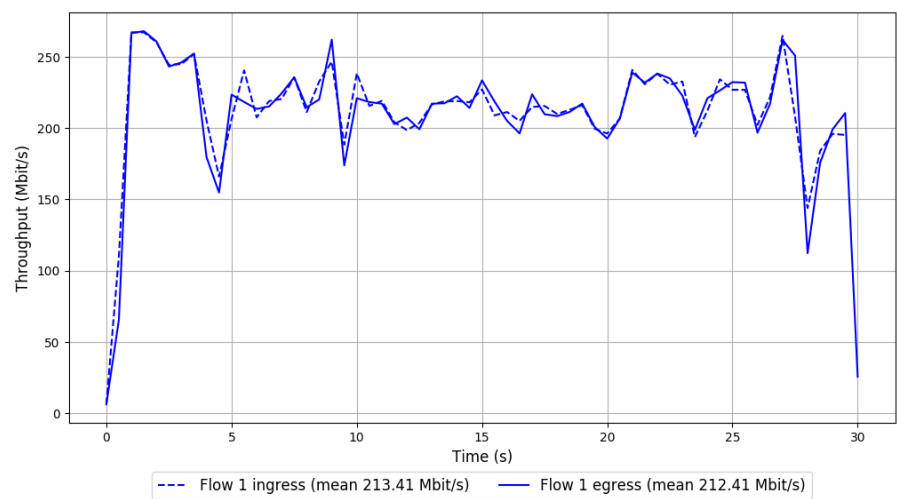
-- Flow 1:

Average throughput: 212.41 Mbit/s

95th percentile per-packet one-way delay: 90.248 ms

Loss rate: 0.46%

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

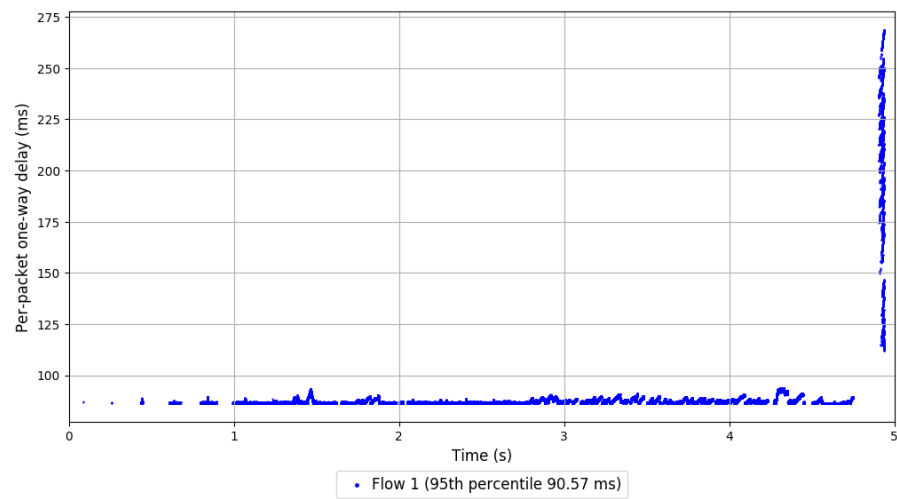
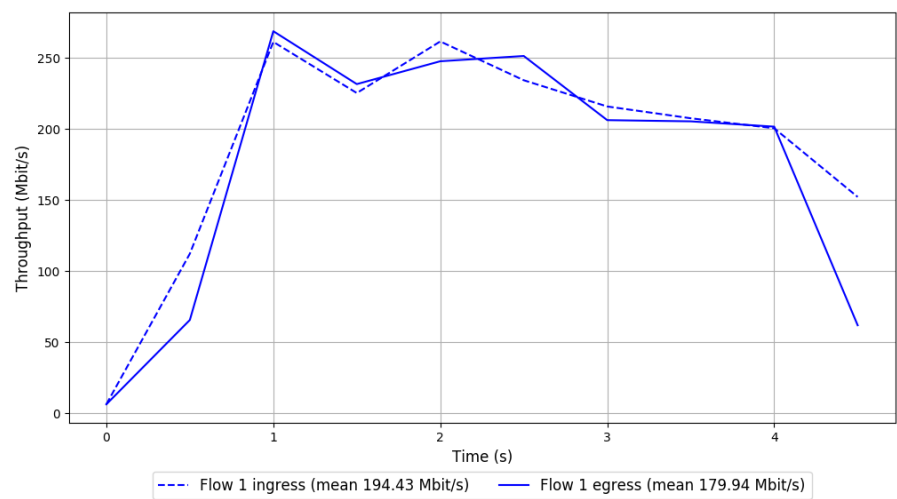


Run 4: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 09:19:09 +0000

End at: Sun, 06 Aug 2017 09:19:39 +0000

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



Run 5: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 09:29:59 +0000

End at: Sun, 06 Aug 2017 09:30:29 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:55:25 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 228.17 Mbit/s

95th percentile per-packet one-way delay: 87.211 ms

Loss rate: 0.85%

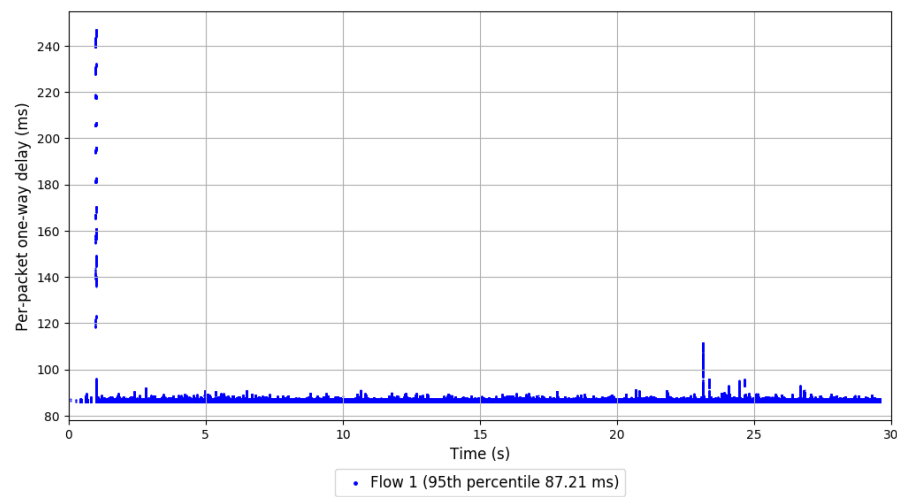
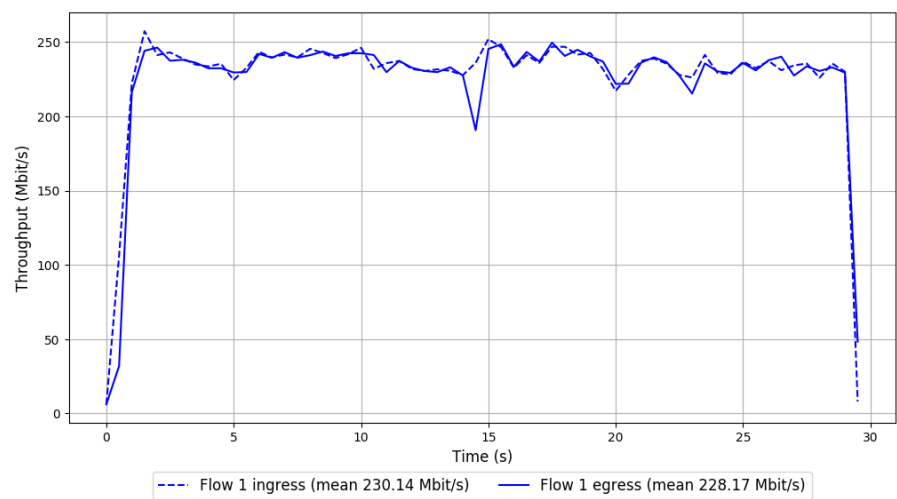
-- Flow 1:

Average throughput: 228.17 Mbit/s

95th percentile per-packet one-way delay: 87.211 ms

Loss rate: 0.85%

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



Run 6: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 09:41:13 +0000

End at: Sun, 06 Aug 2017 09:41:43 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:56:34 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.60 Mbit/s

95th percentile per-packet one-way delay: 87.252 ms

Loss rate: 0.04%

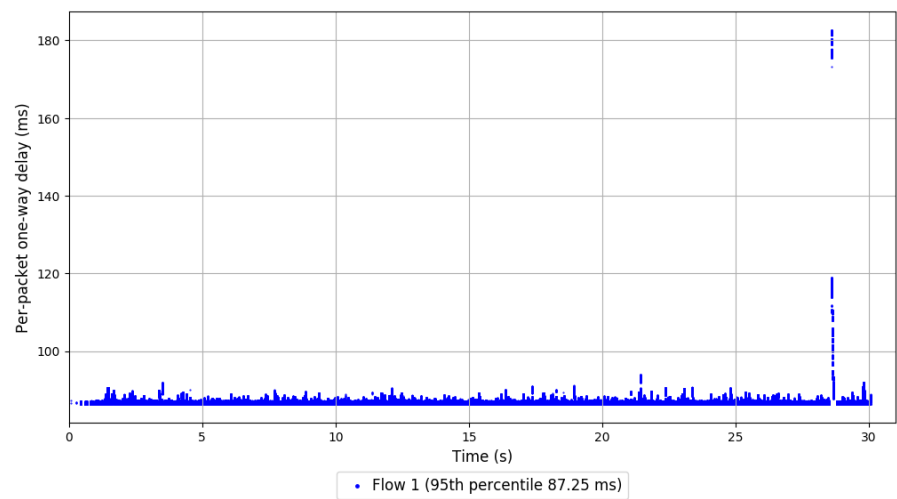
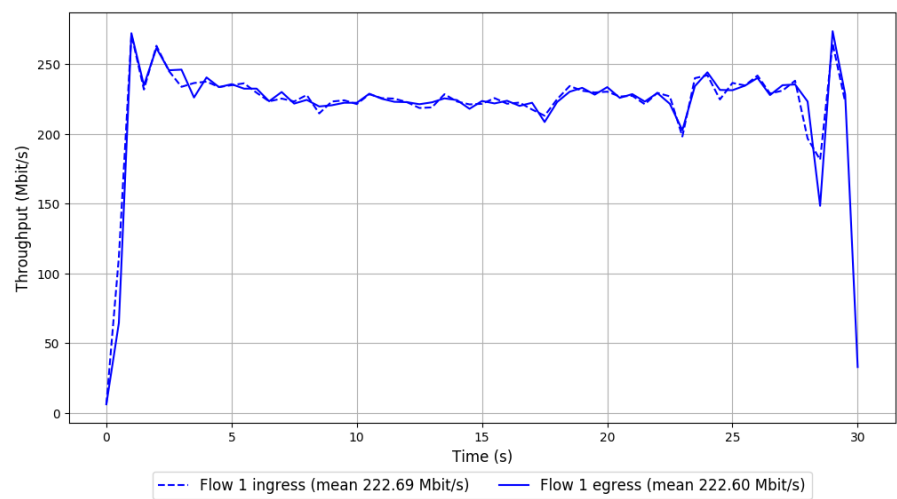
-- Flow 1:

Average throughput: 222.60 Mbit/s

95th percentile per-packet one-way delay: 87.252 ms

Loss rate: 0.04%

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



Run 7: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 09:52:28 +0000

End at: Sun, 06 Aug 2017 09:52:58 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:56:47 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.55 Mbit/s

95th percentile per-packet one-way delay: 90.020 ms

Loss rate: 0.82%

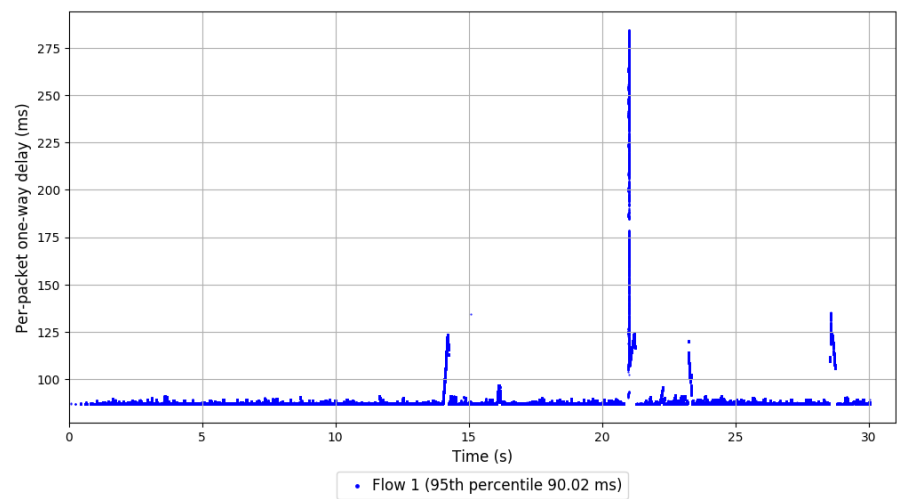
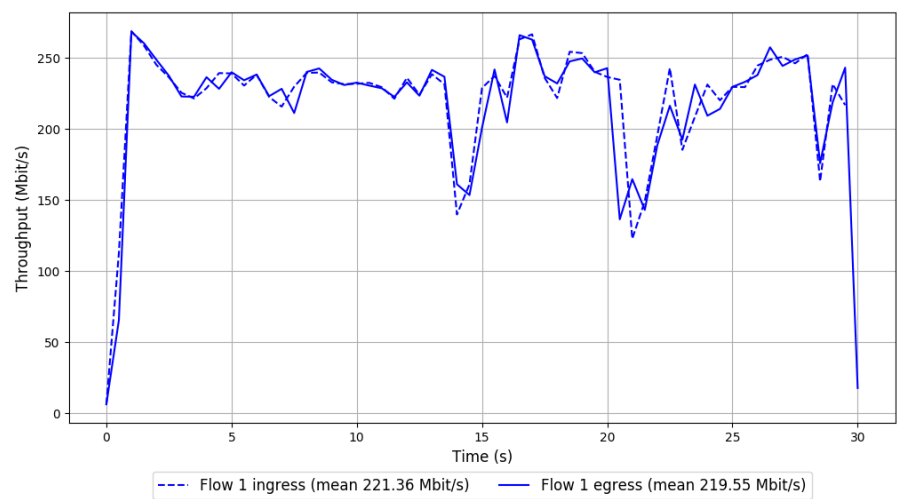
-- Flow 1:

Average throughput: 219.55 Mbit/s

95th percentile per-packet one-way delay: 90.020 ms

Loss rate: 0.82%

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

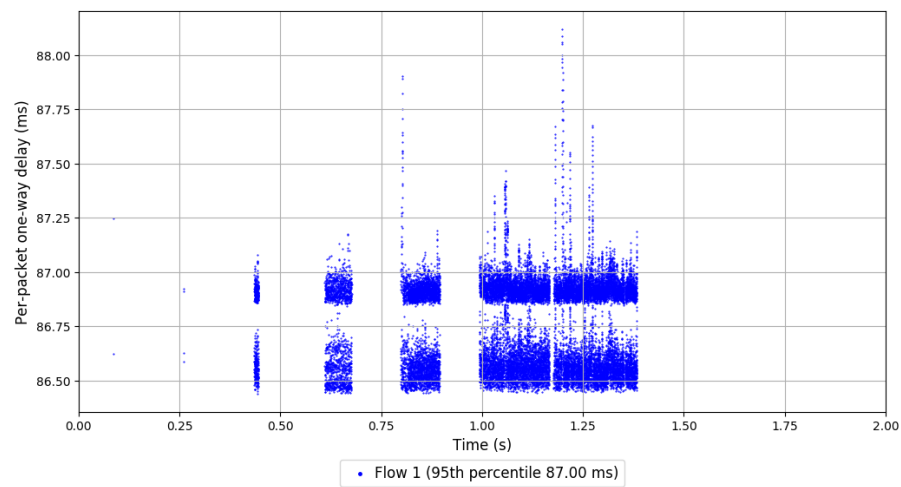
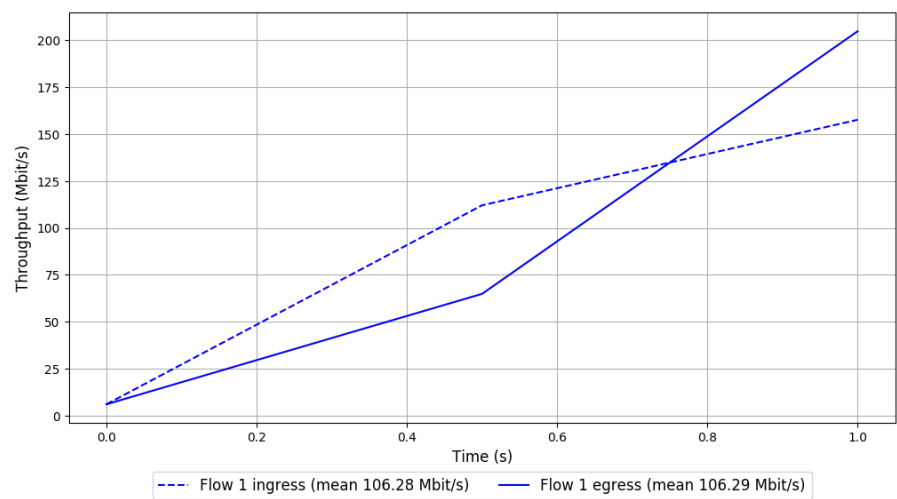


Run 8: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 10:03:40 +0000

End at: Sun, 06 Aug 2017 10:04:10 +0000

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



Run 9: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 10:14:32 +0000

End at: Sun, 06 Aug 2017 10:15:02 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:57:51 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.36 Mbit/s

95th percentile per-packet one-way delay: 87.902 ms

Loss rate: 0.21%

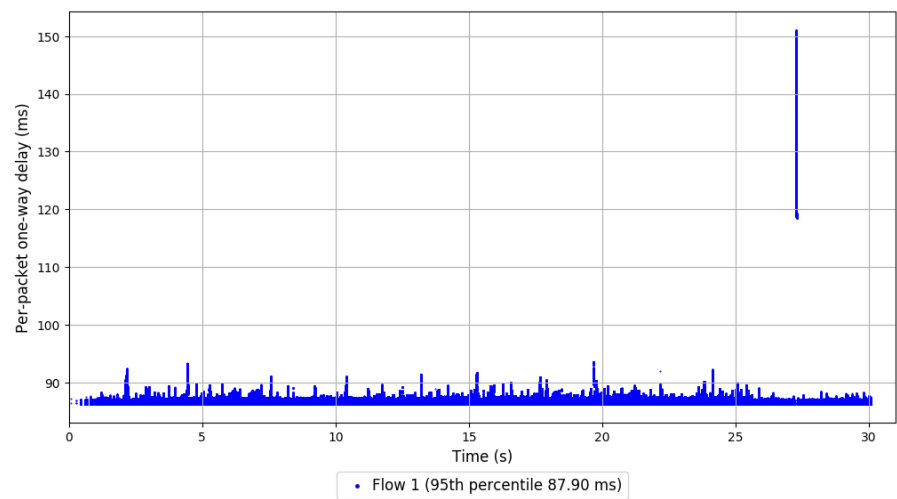
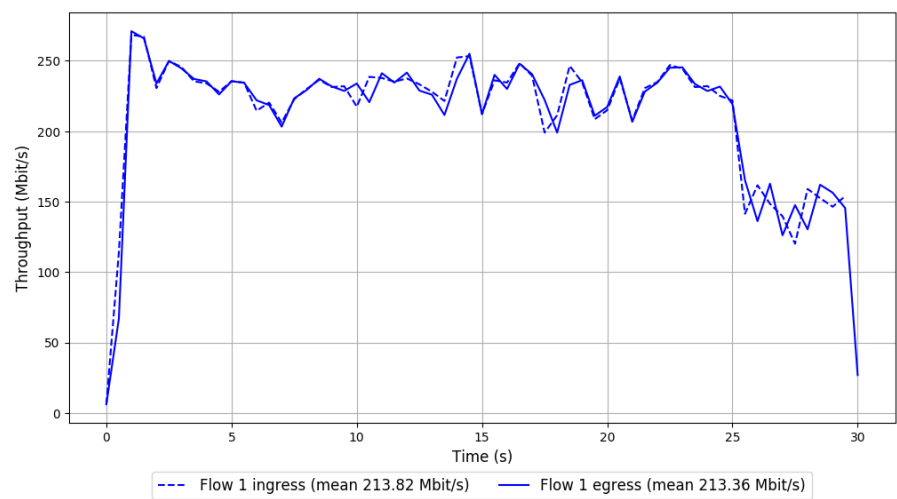
-- Flow 1:

Average throughput: 213.36 Mbit/s

95th percentile per-packet one-way delay: 87.902 ms

Loss rate: 0.21%

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



Run 10: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 10:25:20 +0000

End at: Sun, 06 Aug 2017 10:25:50 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:58:00 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.39 Mbit/s

95th percentile per-packet one-way delay: 88.261 ms

Loss rate: 0.49%

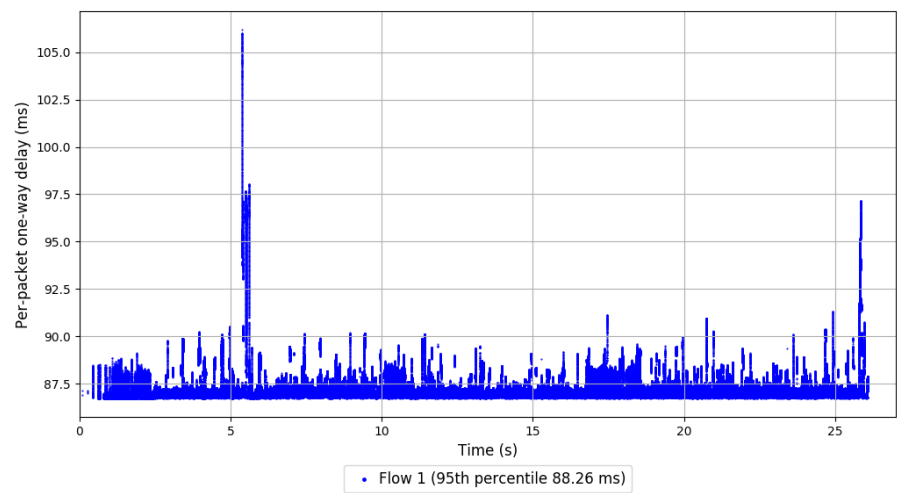
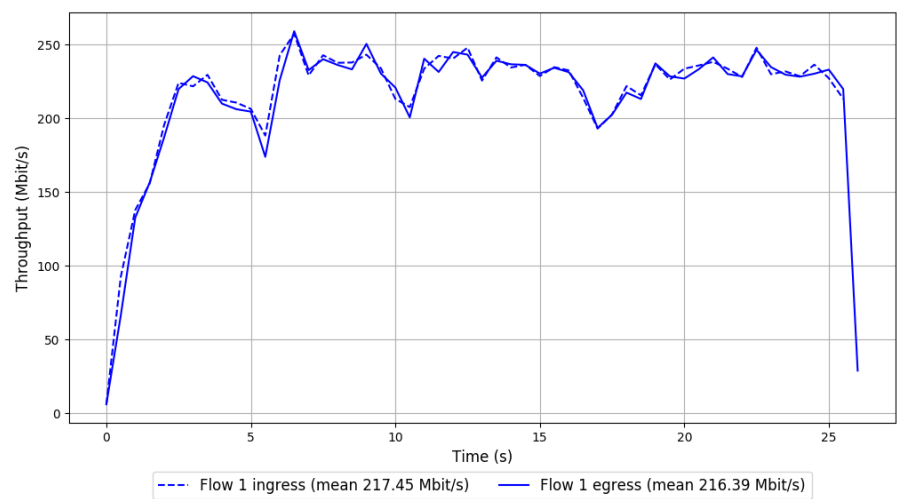
-- Flow 1:

Average throughput: 216.39 Mbit/s

95th percentile per-packet one-way delay: 88.261 ms

Loss rate: 0.49%

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



Run 1: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 08:49:22 +0000

End at: Sun, 06 Aug 2017 08:49:52 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:58:00 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 19.82 Mbit/s

95th percentile per-packet one-way delay: 87.941 ms

Loss rate: 1.16%

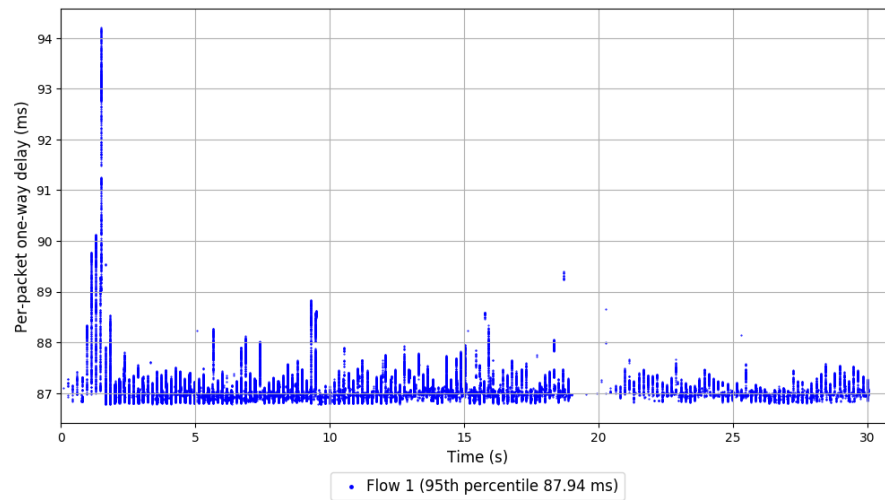
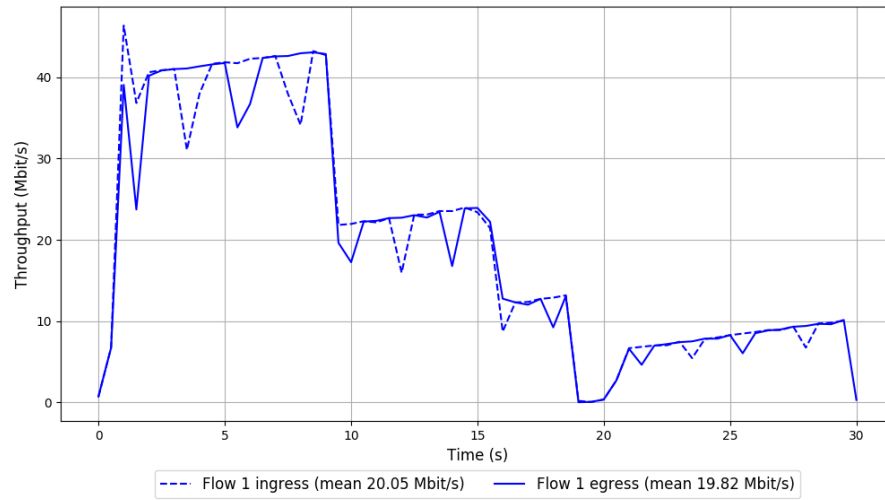
-- Flow 1:

Average throughput: 19.82 Mbit/s

95th percentile per-packet one-way delay: 87.941 ms

Loss rate: 1.16%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 09:00:15 +0000

End at: Sun, 06 Aug 2017 09:00:45 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:58:00 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 16.27 Mbit/s

95th percentile per-packet one-way delay: 98.949 ms

Loss rate: 6.53%

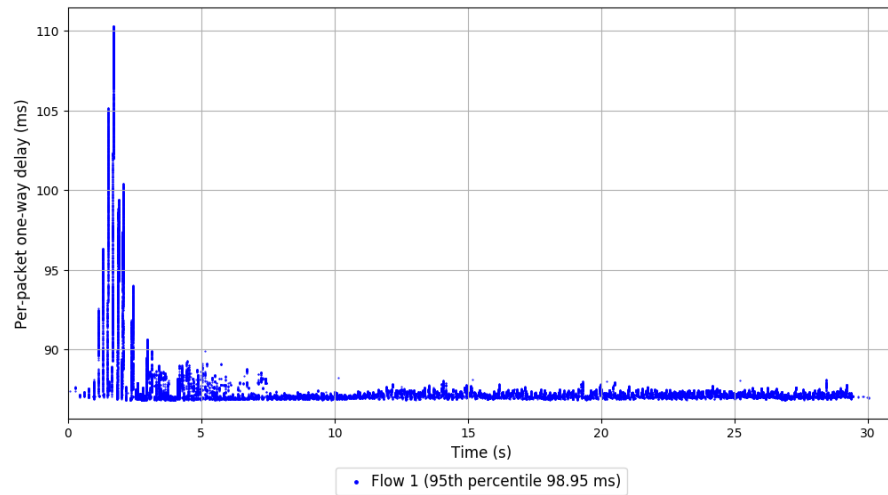
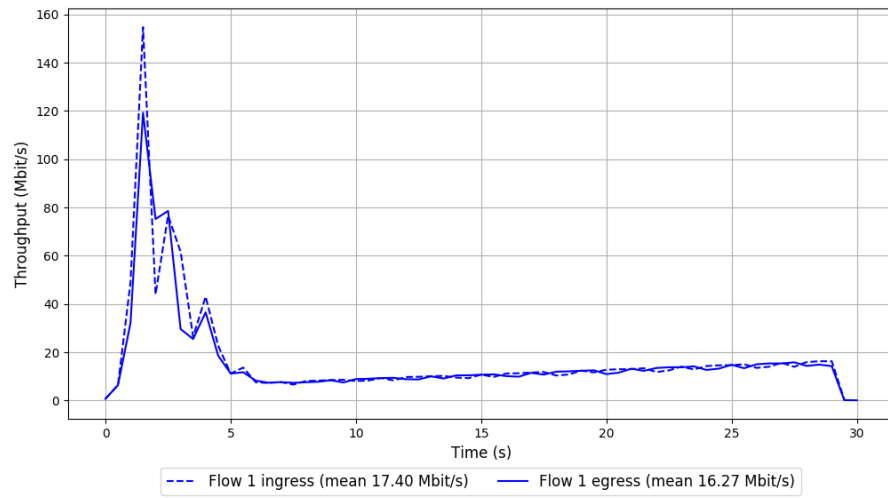
-- Flow 1:

Average throughput: 16.27 Mbit/s

95th percentile per-packet one-way delay: 98.949 ms

Loss rate: 6.53%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 09:11:25 +0000

End at: Sun, 06 Aug 2017 09:11:55 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:58:01 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.89 Mbit/s

95th percentile per-packet one-way delay: 87.867 ms

Loss rate: 0.98%

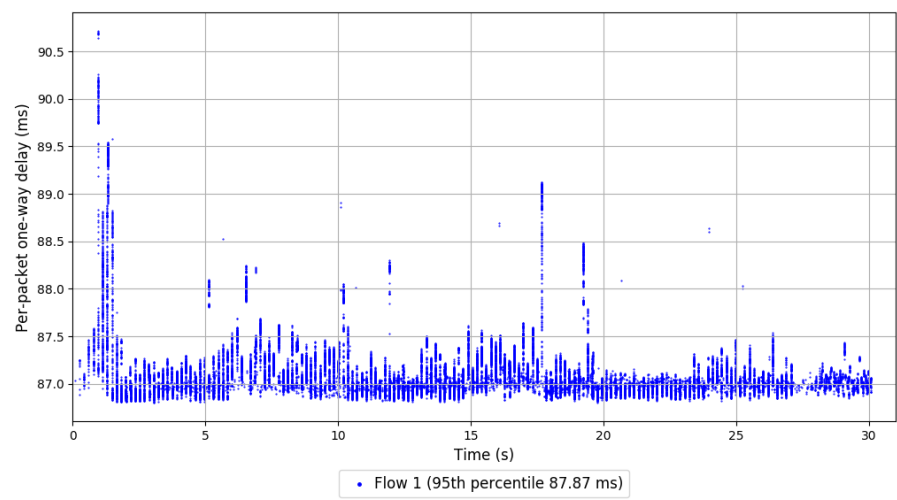
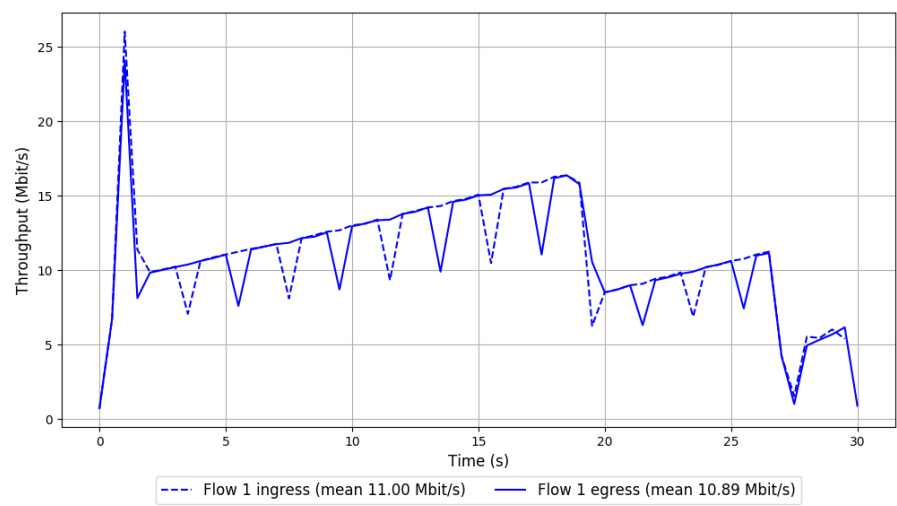
-- Flow 1:

Average throughput: 10.89 Mbit/s

95th percentile per-packet one-way delay: 87.867 ms

Loss rate: 0.98%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 09:22:09 +0000

End at: Sun, 06 Aug 2017 09:22:39 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:58:03 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.84 Mbit/s

95th percentile per-packet one-way delay: 87.895 ms

Loss rate: 1.83%

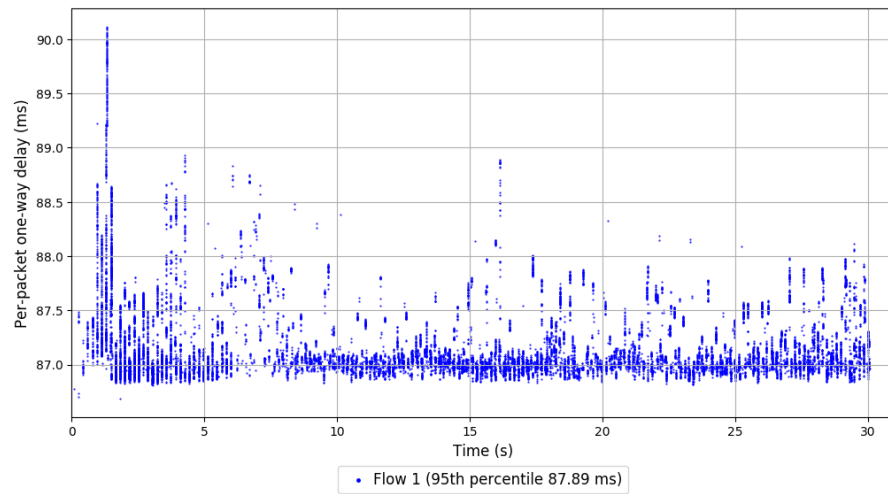
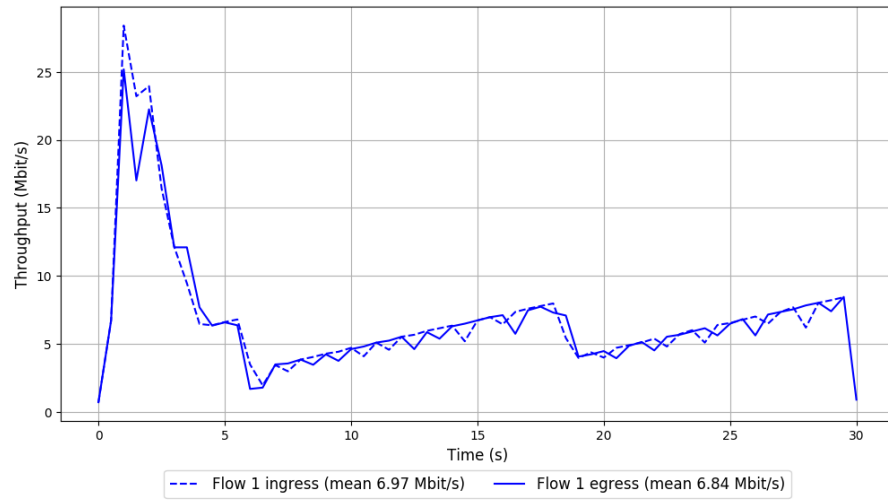
-- Flow 1:

Average throughput: 6.84 Mbit/s

95th percentile per-packet one-way delay: 87.895 ms

Loss rate: 1.83%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 09:33:18 +0000

End at: Sun, 06 Aug 2017 09:33:48 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:58:03 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.94 Mbit/s

95th percentile per-packet one-way delay: 87.368 ms

Loss rate: 0.24%

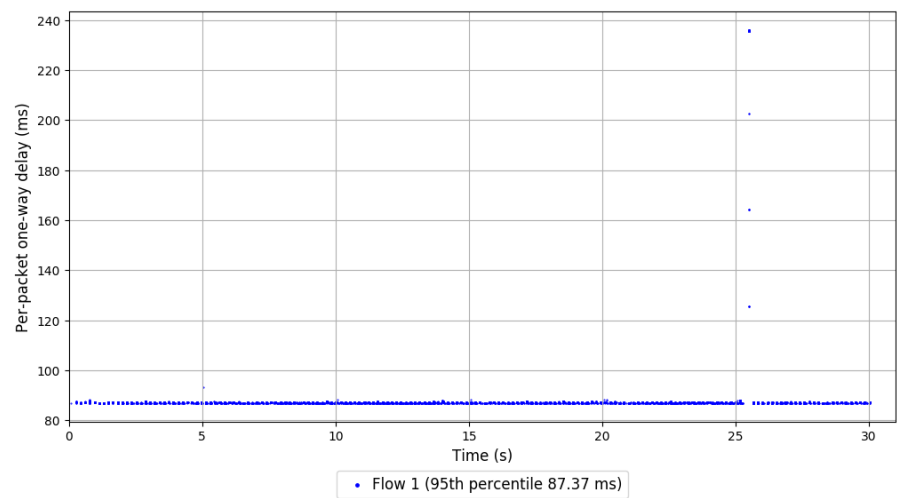
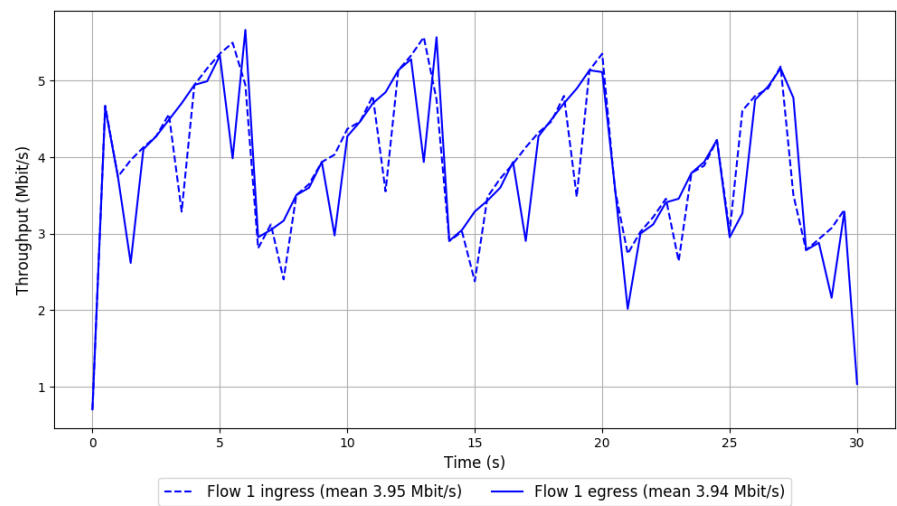
-- Flow 1:

Average throughput: 3.94 Mbit/s

95th percentile per-packet one-way delay: 87.368 ms

Loss rate: 0.24%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 09:44:33 +0000

End at: Sun, 06 Aug 2017 09:45:03 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:58:05 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.95 Mbit/s

95th percentile per-packet one-way delay: 87.750 ms

Loss rate: 1.19%

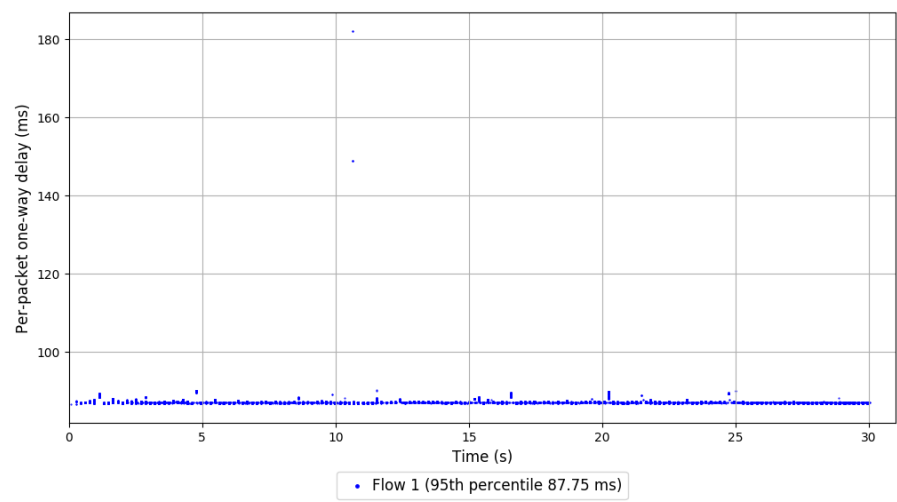
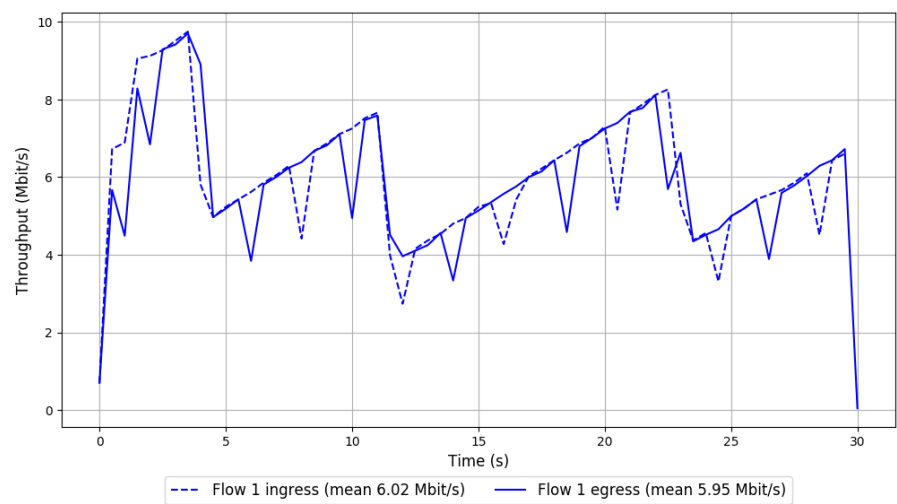
-- Flow 1:

Average throughput: 5.95 Mbit/s

95th percentile per-packet one-way delay: 87.750 ms

Loss rate: 1.19%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 09:55:48 +0000

End at: Sun, 06 Aug 2017 09:56:18 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:58:08 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.35 Mbit/s

95th percentile per-packet one-way delay: 87.707 ms

Loss rate: 2.05%

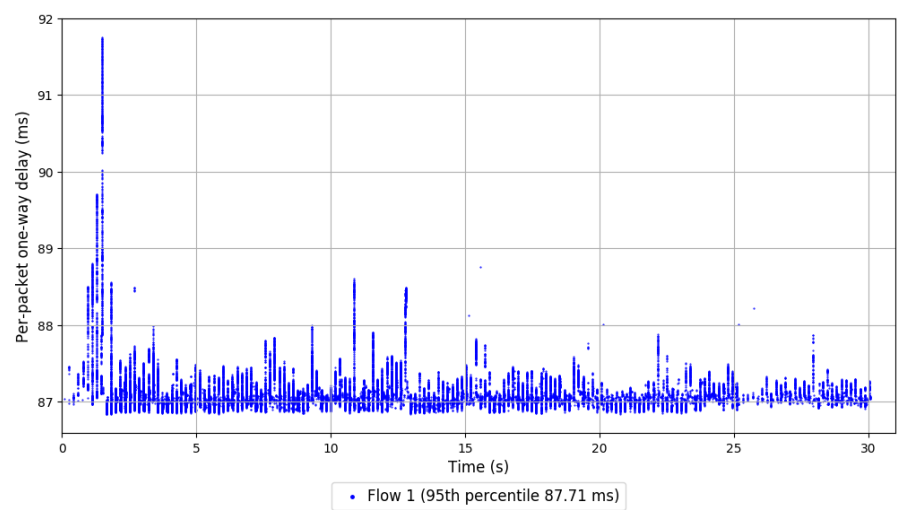
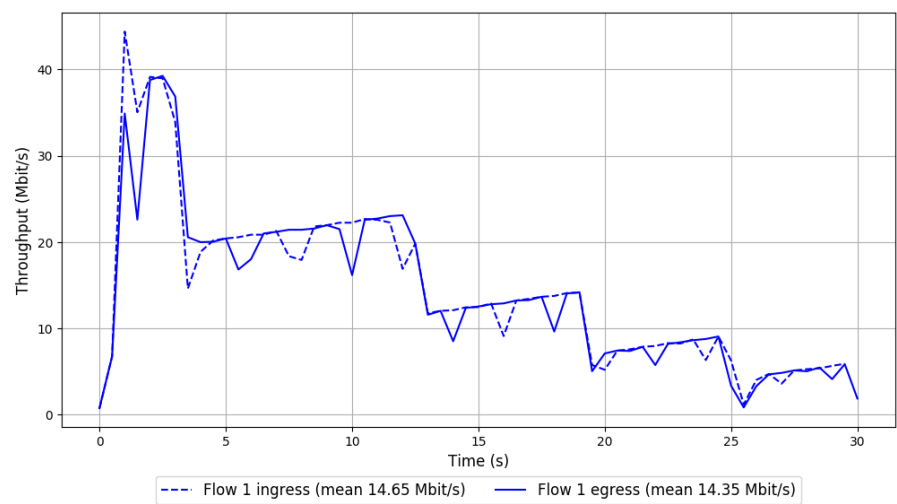
-- Flow 1:

Average throughput: 14.35 Mbit/s

95th percentile per-packet one-way delay: 87.707 ms

Loss rate: 2.05%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 10:06:36 +0000

End at: Sun, 06 Aug 2017 10:07:06 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:58:08 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.49 Mbit/s

95th percentile per-packet one-way delay: 88.169 ms

Loss rate: 0.29%

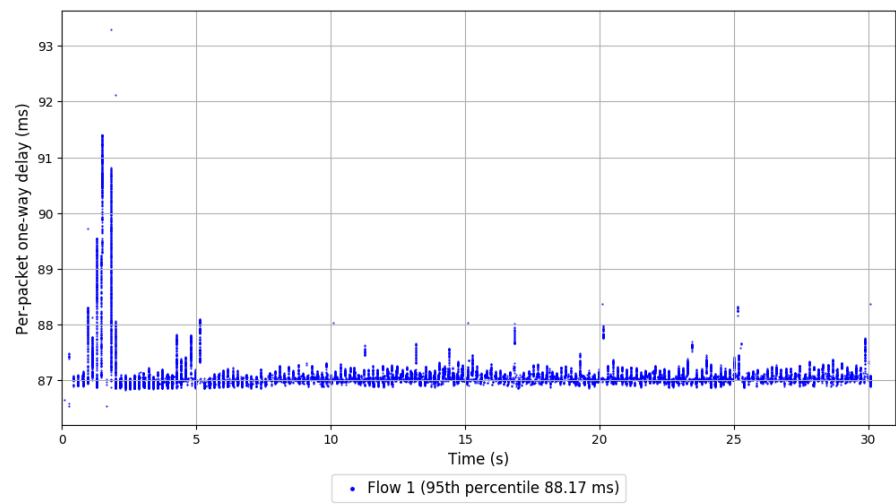
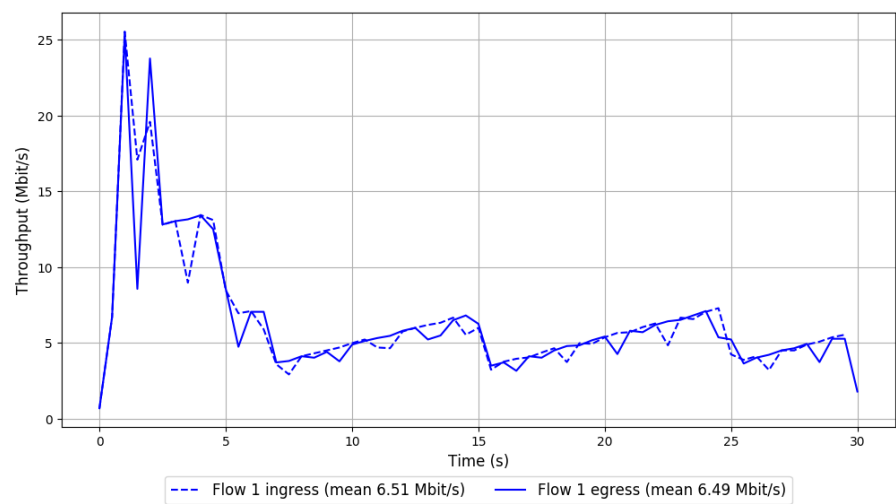
-- Flow 1:

Average throughput: 6.49 Mbit/s

95th percentile per-packet one-way delay: 88.169 ms

Loss rate: 0.29%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 10:17:51 +0000

End at: Sun, 06 Aug 2017 10:18:21 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:58:10 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.92 Mbit/s

95th percentile per-packet one-way delay: 87.422 ms

Loss rate: 0.36%

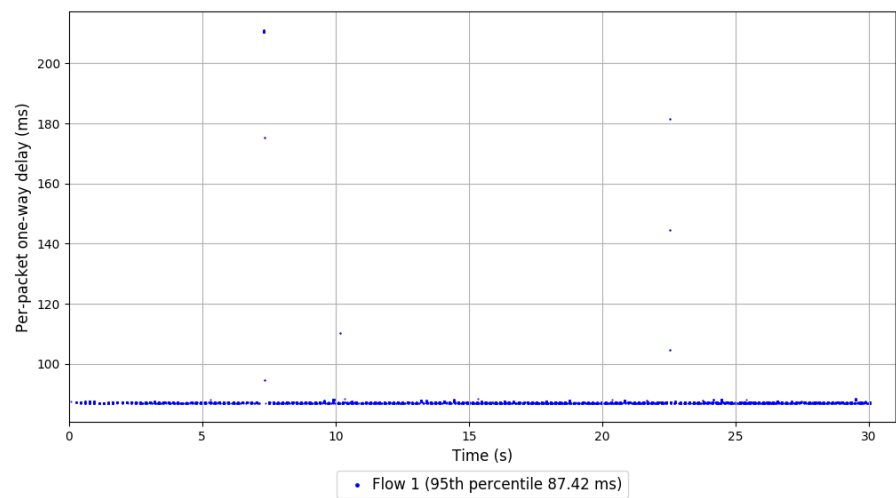
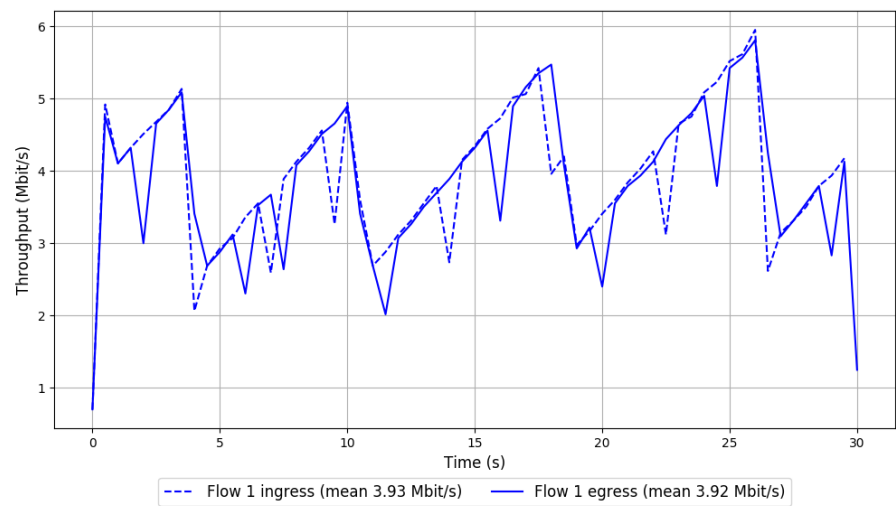
-- Flow 1:

Average throughput: 3.92 Mbit/s

95th percentile per-packet one-way delay: 87.422 ms

Loss rate: 0.36%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 10:28:35 +0000

End at: Sun, 06 Aug 2017 10:29:05 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:58:10 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.49 Mbit/s

95th percentile per-packet one-way delay: 87.347 ms

Loss rate: 1.23%

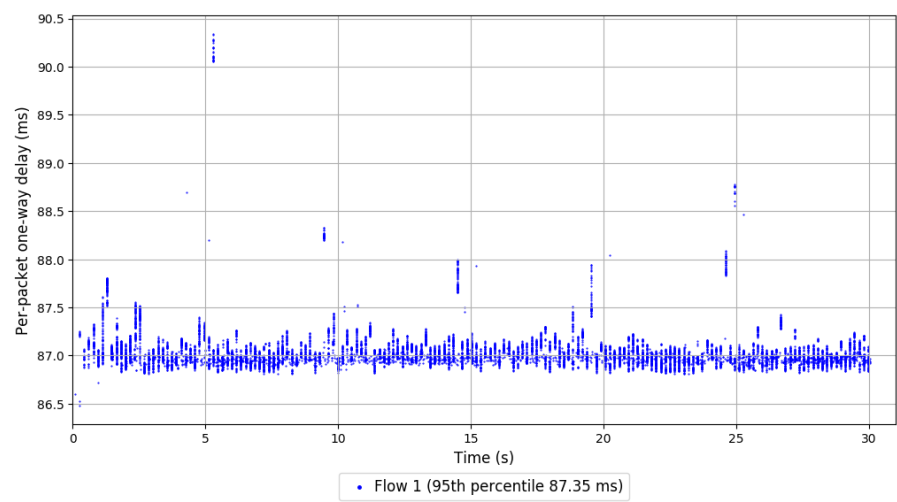
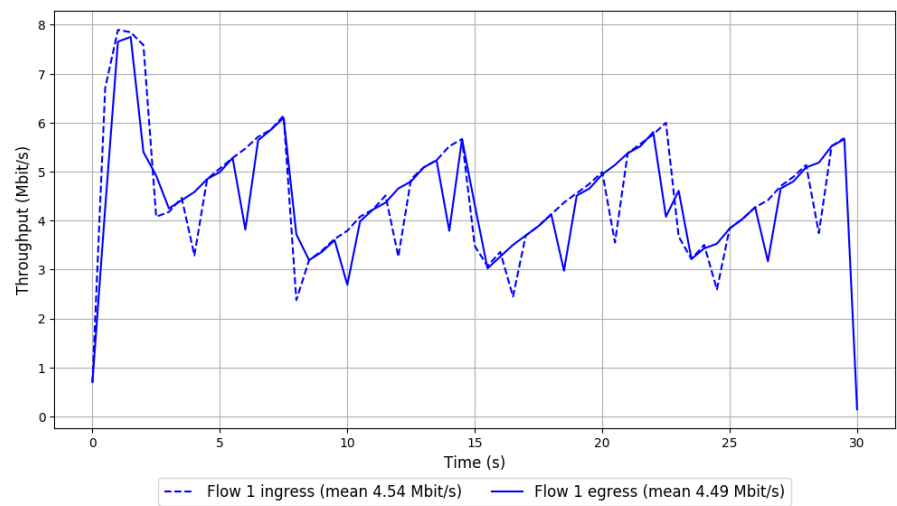
-- Flow 1:

Average throughput: 4.49 Mbit/s

95th percentile per-packet one-way delay: 87.347 ms

Loss rate: 1.23%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: Sun, 06 Aug 2017 08:54:57 +0000

End at: Sun, 06 Aug 2017 08:55:27 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:58:29 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.31 Mbit/s

95th percentile per-packet one-way delay: 94.433 ms

Loss rate: 49.56%

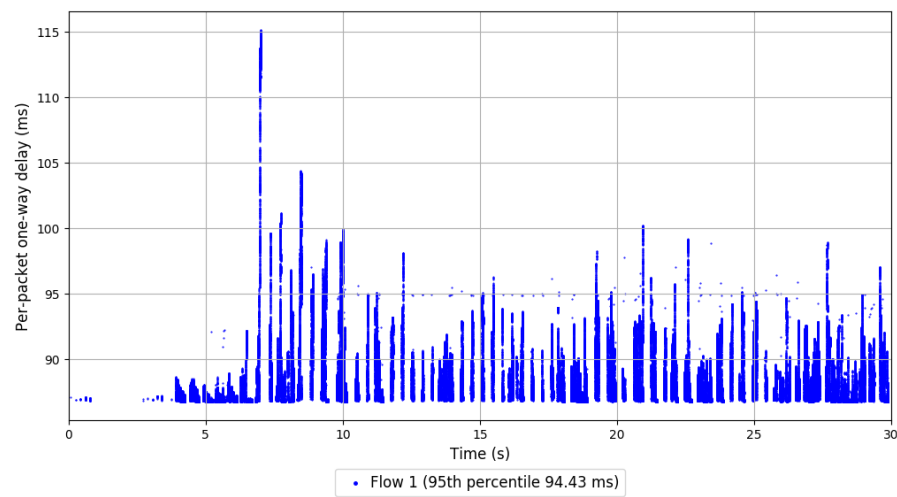
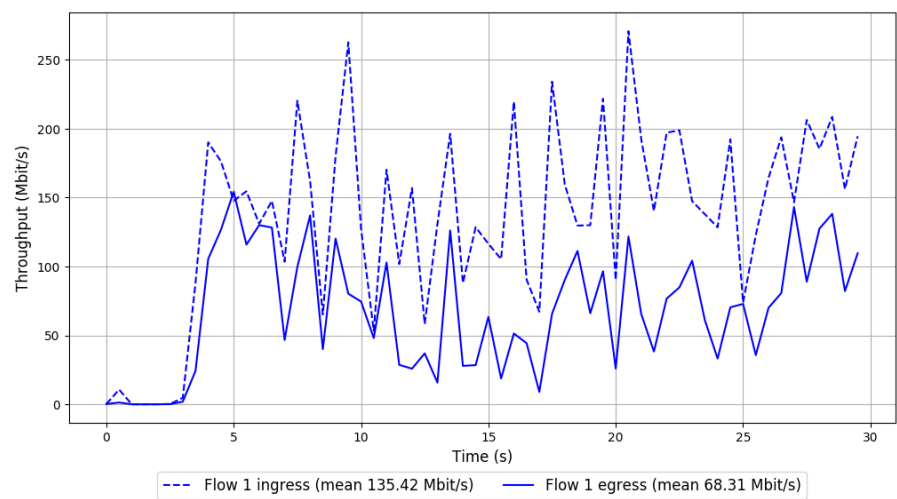
-- Flow 1:

Average throughput: 68.31 Mbit/s

95th percentile per-packet one-way delay: 94.433 ms

Loss rate: 49.56%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: Sun, 06 Aug 2017 09:05:53 +0000

End at: Sun, 06 Aug 2017 09:06:23 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:58:29 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.41 Mbit/s

95th percentile per-packet one-way delay: 109.283 ms

Loss rate: 53.52%

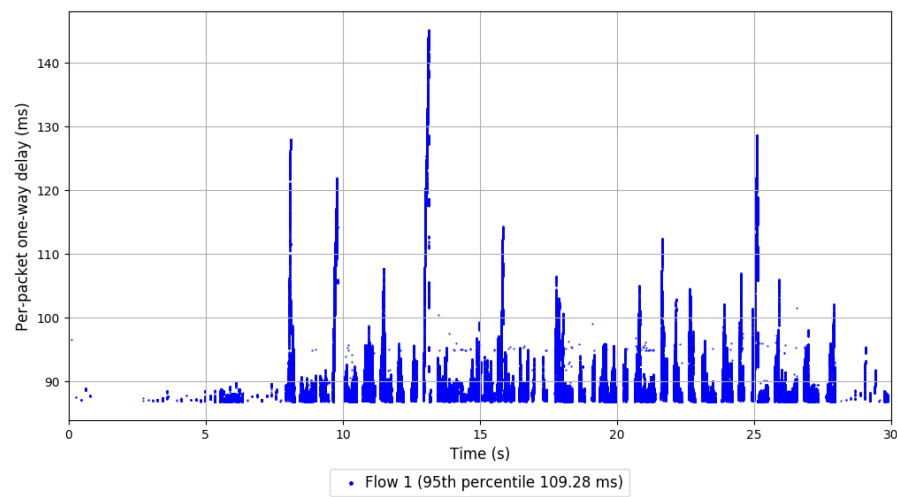
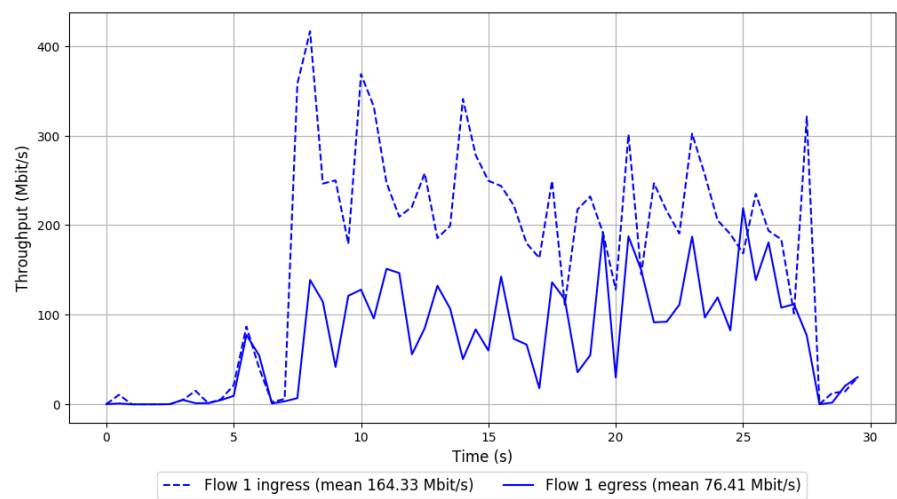
-- Flow 1:

Average throughput: 76.41 Mbit/s

95th percentile per-packet one-way delay: 109.283 ms

Loss rate: 53.52%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: Sun, 06 Aug 2017 09:17:01 +0000

End at: Sun, 06 Aug 2017 09:17:31 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:58:38 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.90 Mbit/s

95th percentile per-packet one-way delay: 91.463 ms

Loss rate: 1.54%

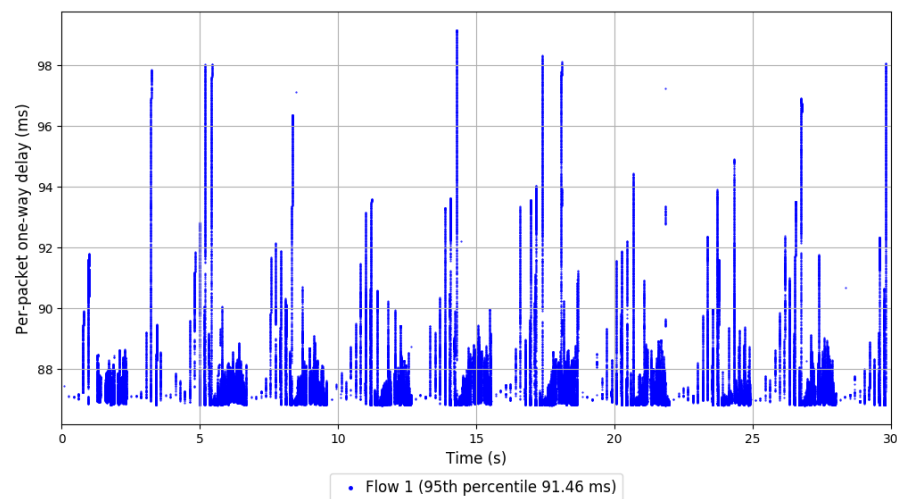
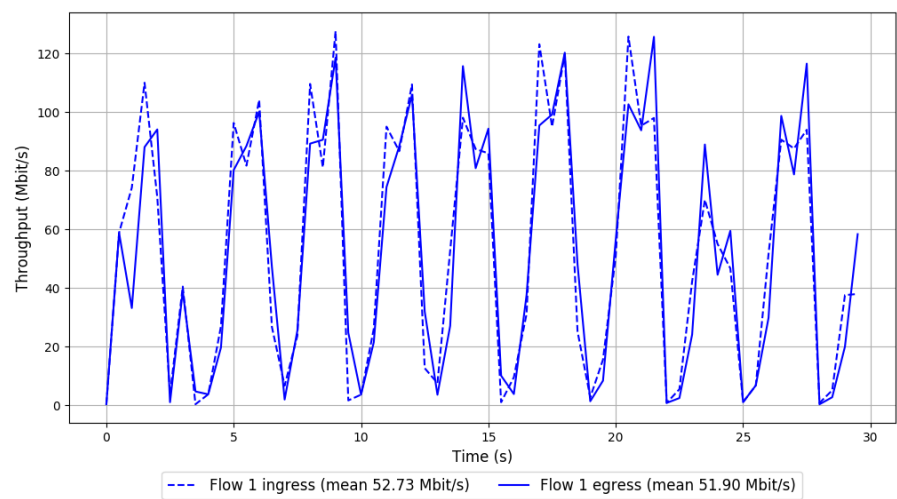
-- Flow 1:

Average throughput: 51.90 Mbit/s

95th percentile per-packet one-way delay: 91.463 ms

Loss rate: 1.54%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: Sun, 06 Aug 2017 09:27:42 +0000

End at: Sun, 06 Aug 2017 09:28:12 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:58:51 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.37 Mbit/s

95th percentile per-packet one-way delay: 99.328 ms

Loss rate: 30.24%

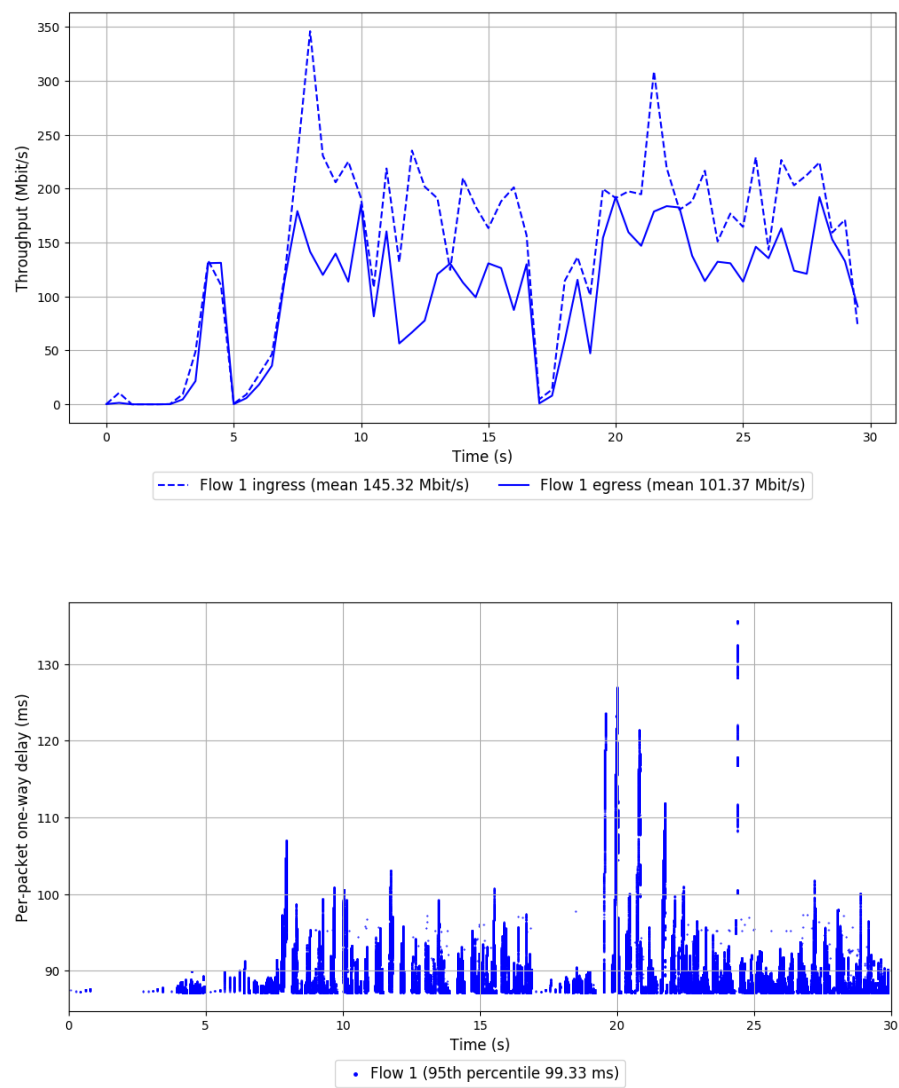
-- Flow 1:

Average throughput: 101.37 Mbit/s

95th percentile per-packet one-way delay: 99.328 ms

Loss rate: 30.24%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: Sun, 06 Aug 2017 09:38:56 +0000

End at: Sun, 06 Aug 2017 09:39:26 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:59:07 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 142.16 Mbit/s

95th percentile per-packet one-way delay: 95.610 ms

Loss rate: 2.61%

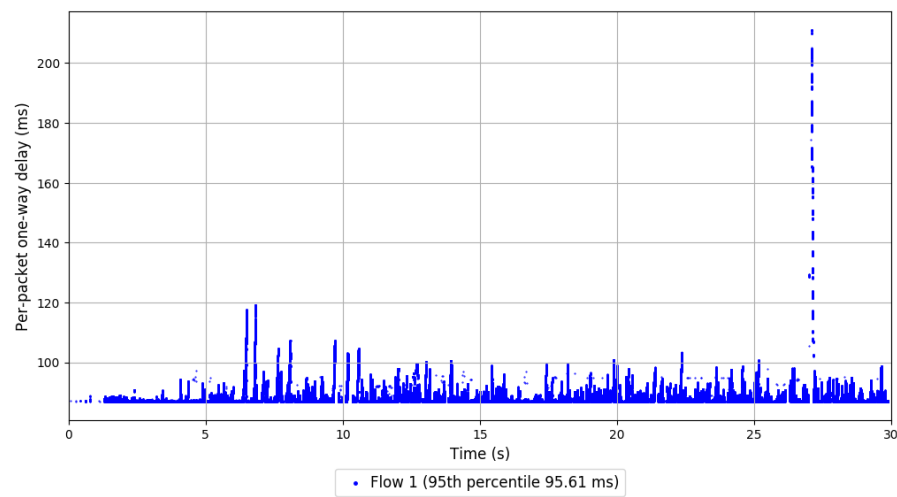
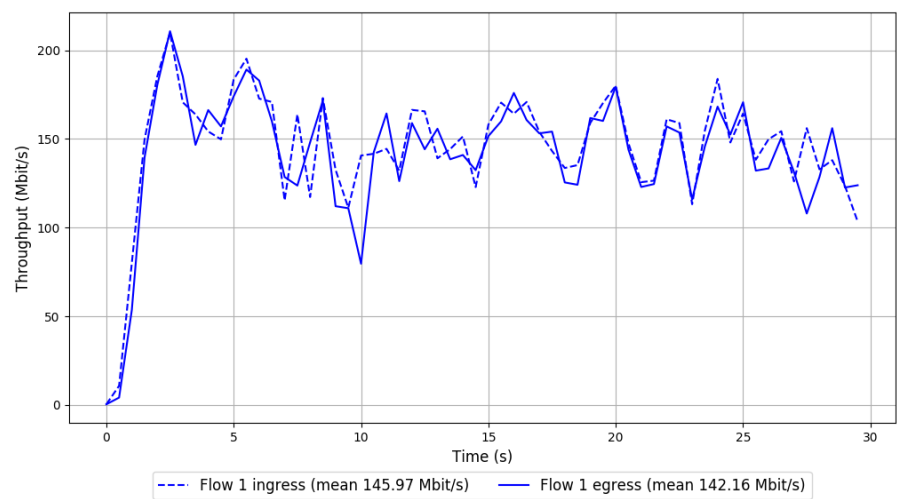
-- Flow 1:

Average throughput: 142.16 Mbit/s

95th percentile per-packet one-way delay: 95.610 ms

Loss rate: 2.61%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: Sun, 06 Aug 2017 09:50:11 +0000

End at: Sun, 06 Aug 2017 09:50:41 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:59:08 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.20 Mbit/s

95th percentile per-packet one-way delay: 97.090 ms

Loss rate: 22.05%

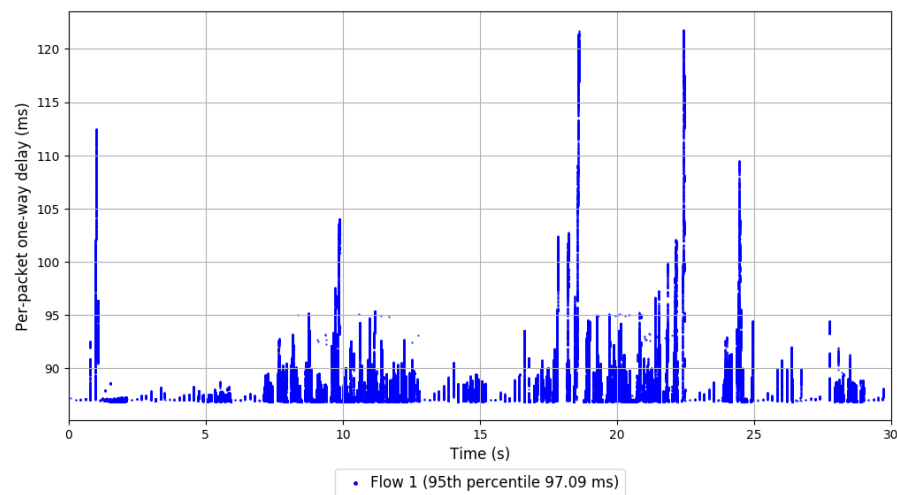
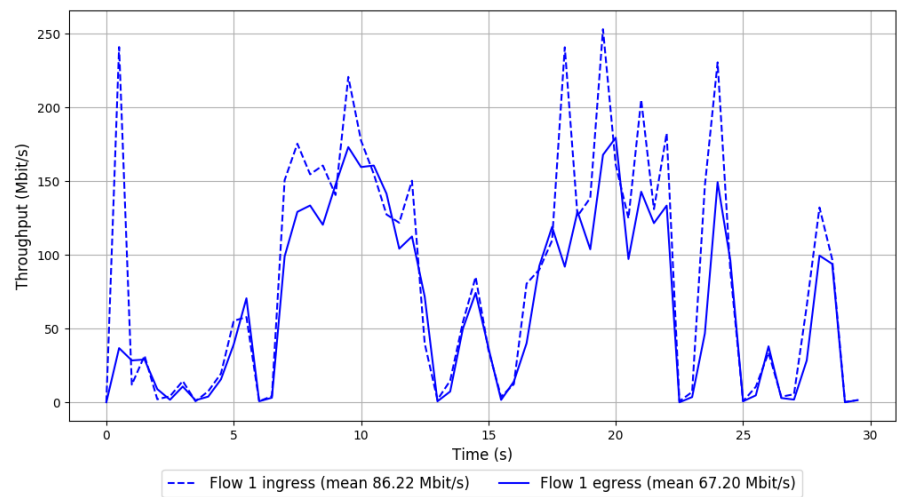
-- Flow 1:

Average throughput: 67.20 Mbit/s

95th percentile per-packet one-way delay: 97.090 ms

Loss rate: 22.05%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: Sun, 06 Aug 2017 10:01:29 +0000

End at: Sun, 06 Aug 2017 10:01:59 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:59:15 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.96 Mbit/s

95th percentile per-packet one-way delay: 93.751 ms

Loss rate: 1.41%

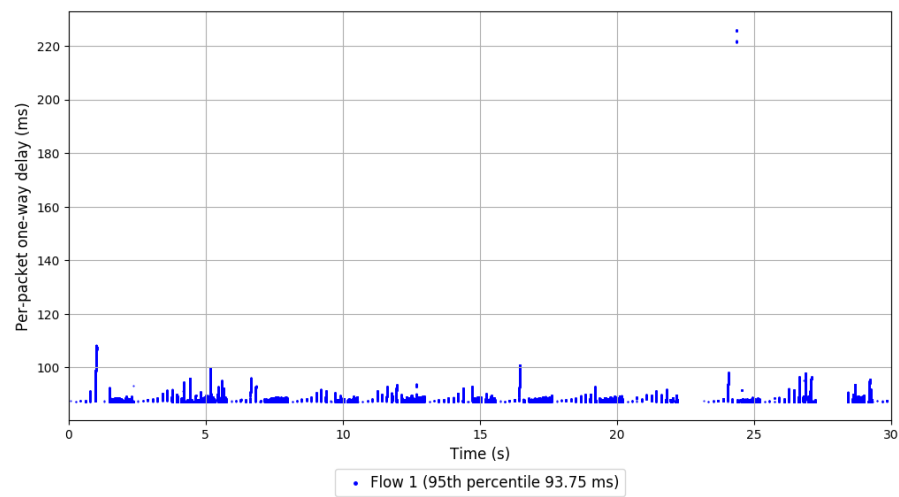
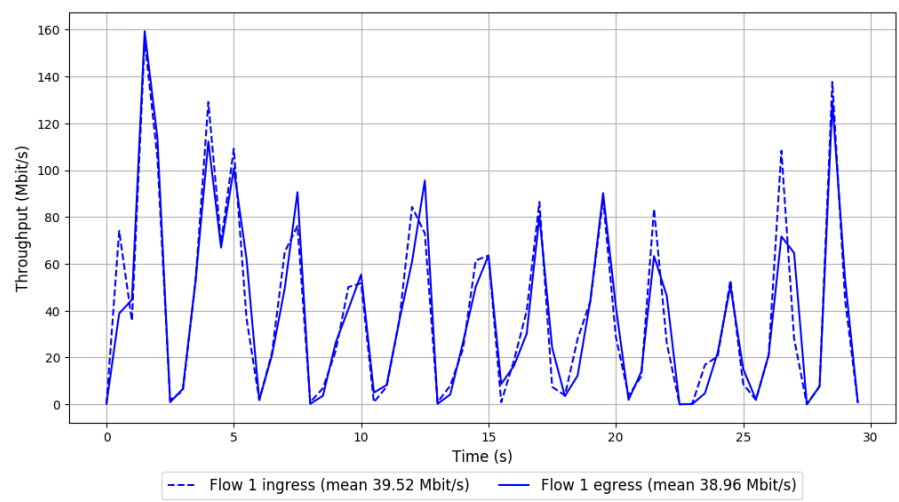
-- Flow 1:

Average throughput: 38.96 Mbit/s

95th percentile per-packet one-way delay: 93.751 ms

Loss rate: 1.41%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: Sun, 06 Aug 2017 10:12:13 +0000

End at: Sun, 06 Aug 2017 10:12:43 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:59:26 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.26 Mbit/s

95th percentile per-packet one-way delay: 146.380 ms

Loss rate: 9.78%

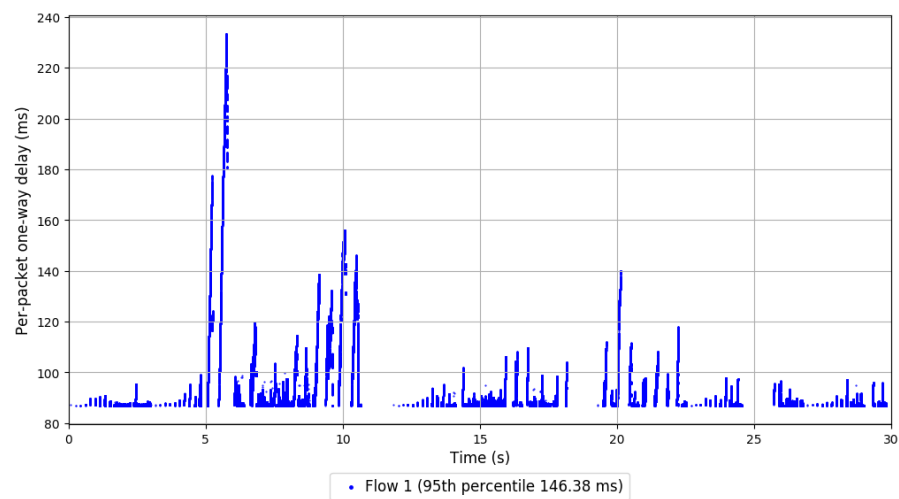
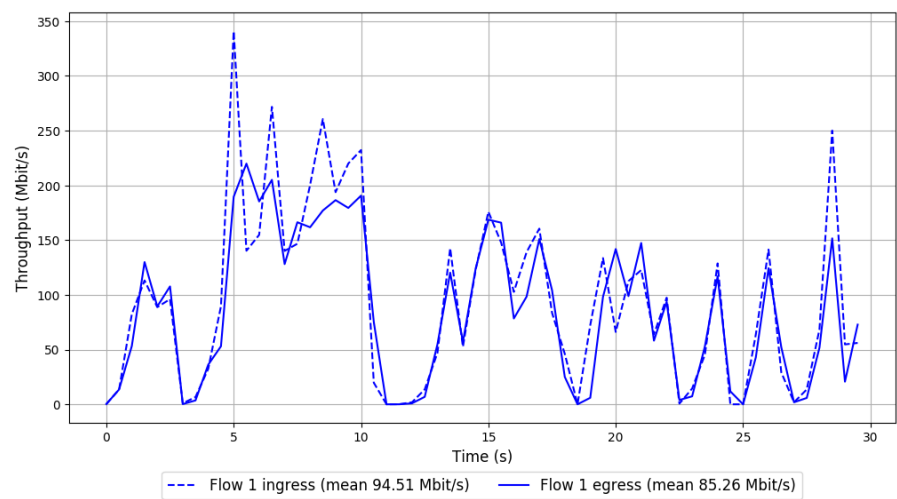
-- Flow 1:

Average throughput: 85.26 Mbit/s

95th percentile per-packet one-way delay: 146.380 ms

Loss rate: 9.78%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: Sun, 06 Aug 2017 10:23:18 +0000

End at: Sun, 06 Aug 2017 10:23:48 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:59:28 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.36 Mbit/s

95th percentile per-packet one-way delay: 95.049 ms

Loss rate: 11.12%

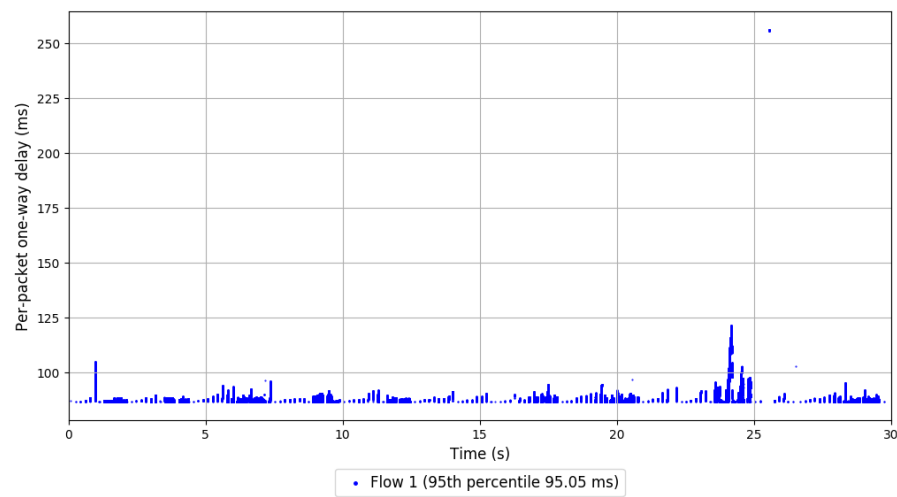
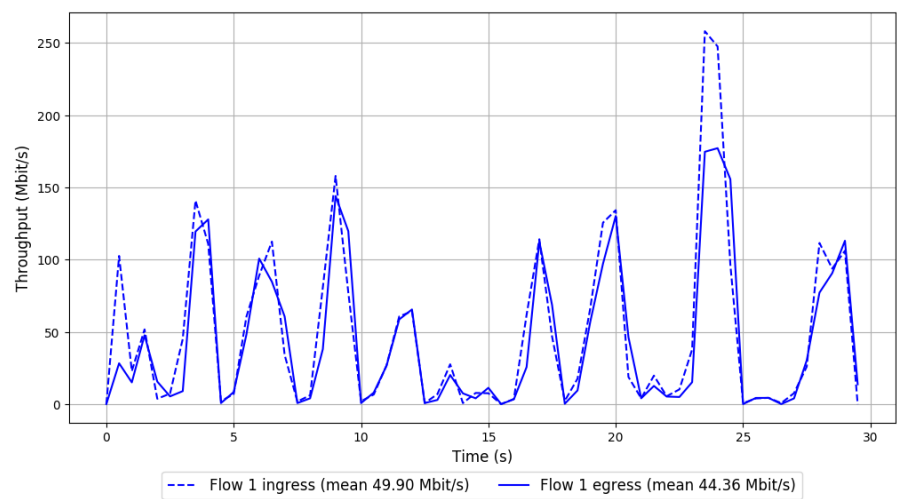
-- Flow 1:

Average throughput: 44.36 Mbit/s

95th percentile per-packet one-way delay: 95.049 ms

Loss rate: 11.12%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: Sun, 06 Aug 2017 10:34:13 +0000

End at: Sun, 06 Aug 2017 10:34:43 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:59:40 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.76 Mbit/s

95th percentile per-packet one-way delay: 128.795 ms

Loss rate: 11.74%

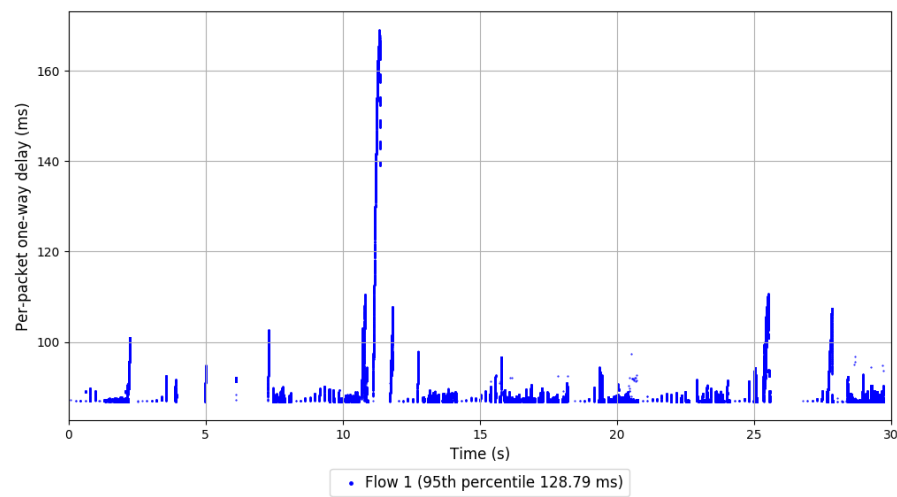
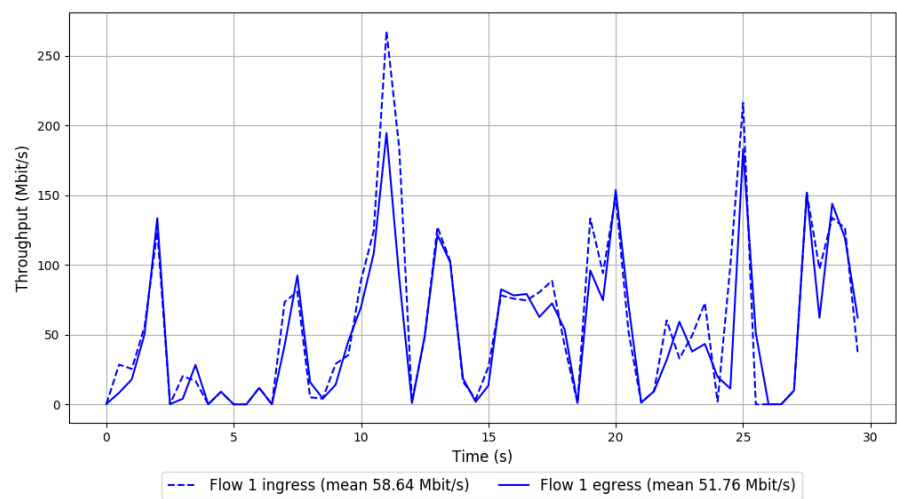
-- Flow 1:

Average throughput: 51.76 Mbit/s

95th percentile per-packet one-way delay: 128.795 ms

Loss rate: 11.74%

Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 08:55:43 +0000

End at: Sun, 06 Aug 2017 08:56:13 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:59:40 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 87.100 ms

Loss rate: 0.00%

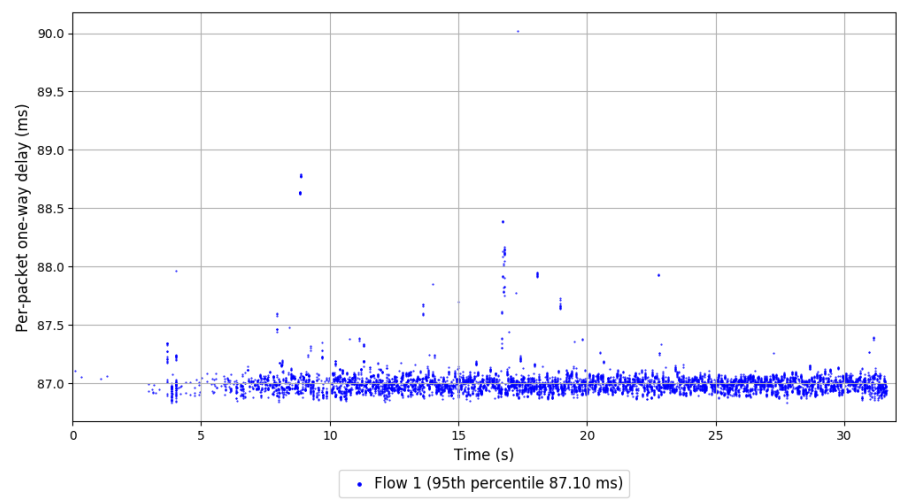
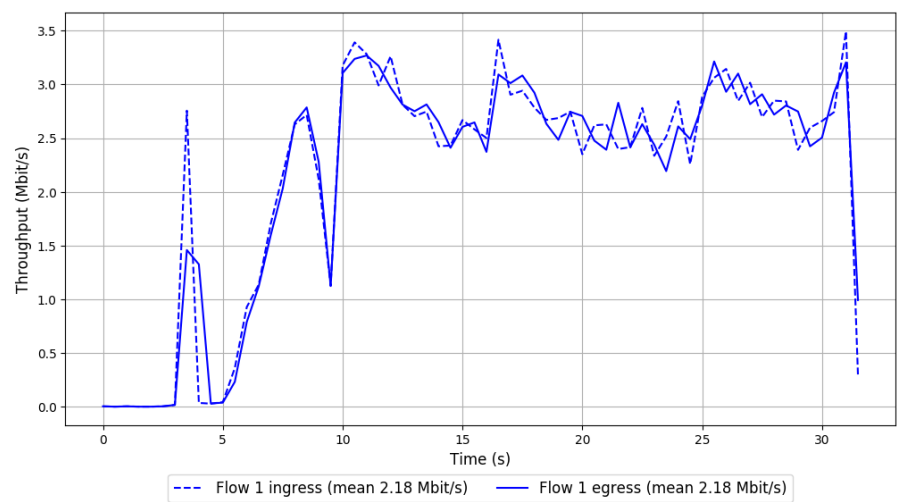
-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 87.100 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 09:06:40 +0000

End at: Sun, 06 Aug 2017 09:07:10 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:59:40 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 87.185 ms

Loss rate: 0.00%

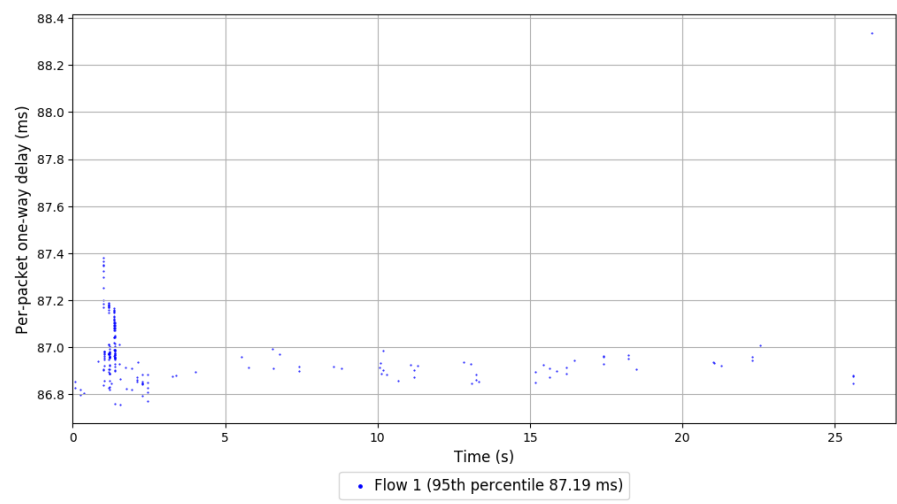
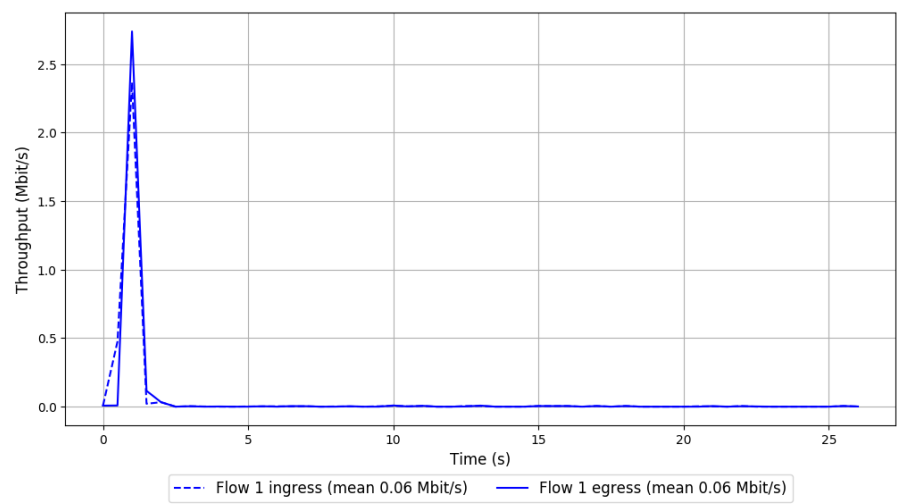
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 87.185 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 09:17:45 +0000

End at: Sun, 06 Aug 2017 09:18:15 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:59:40 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 86.760 ms

Loss rate: 0.00%

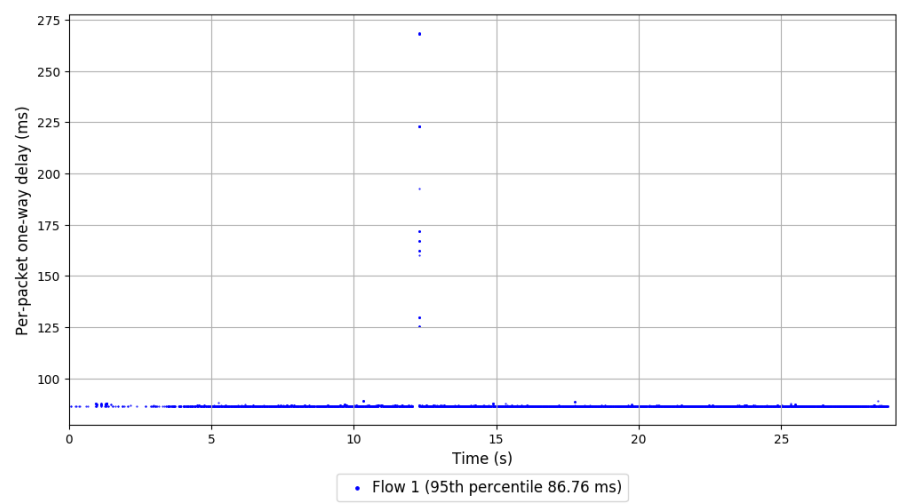
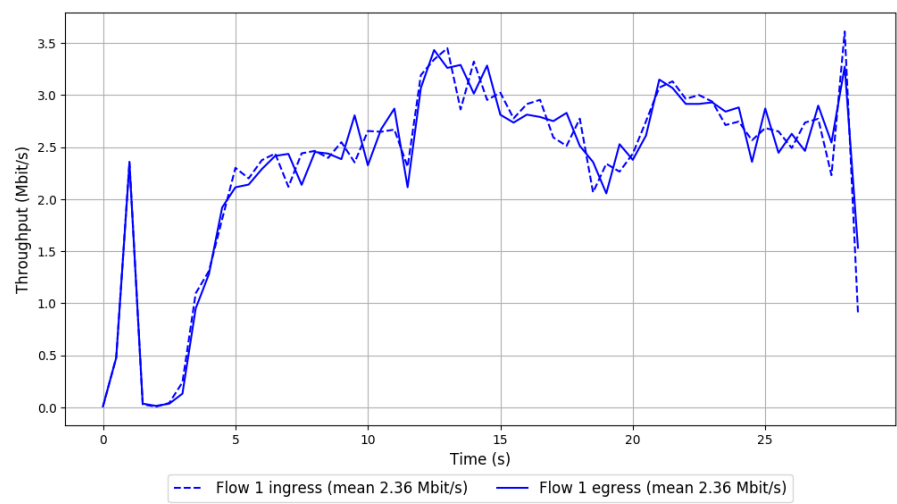
-- Flow 1:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 86.760 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 09:28:29 +0000

End at: Sun, 06 Aug 2017 09:28:59 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:59:40 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 87.027 ms

Loss rate: 0.00%

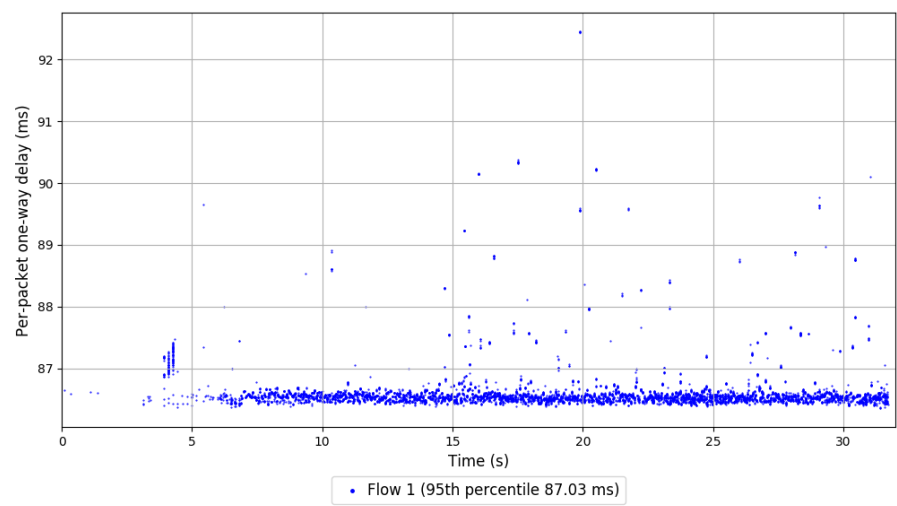
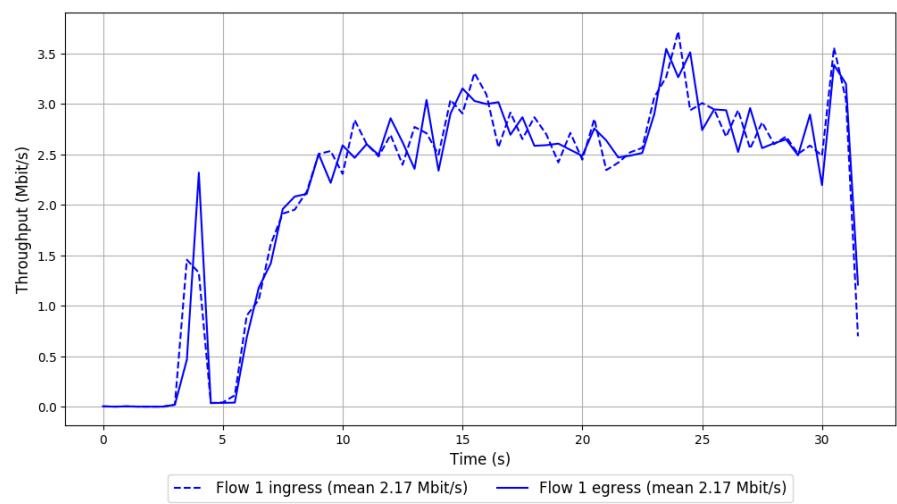
-- Flow 1:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 87.027 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 09:39:46 +0000

End at: Sun, 06 Aug 2017 09:40:16 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:59:40 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 86.389 ms

Loss rate: 0.00%

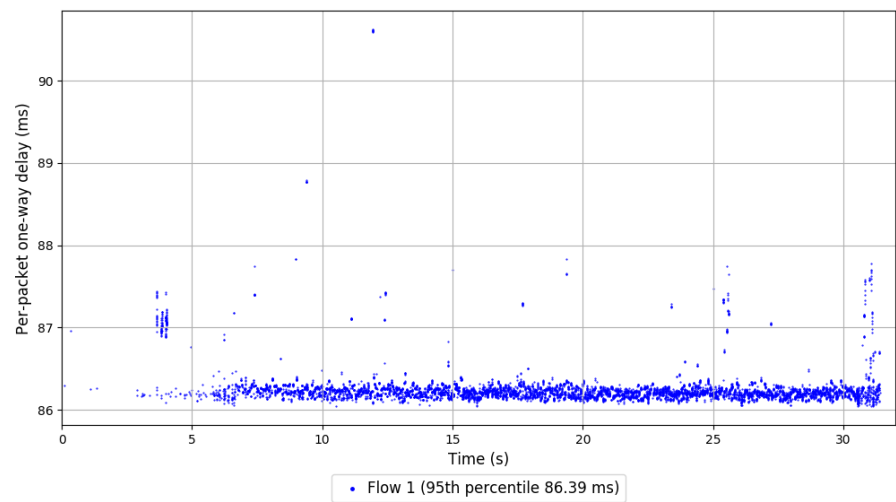
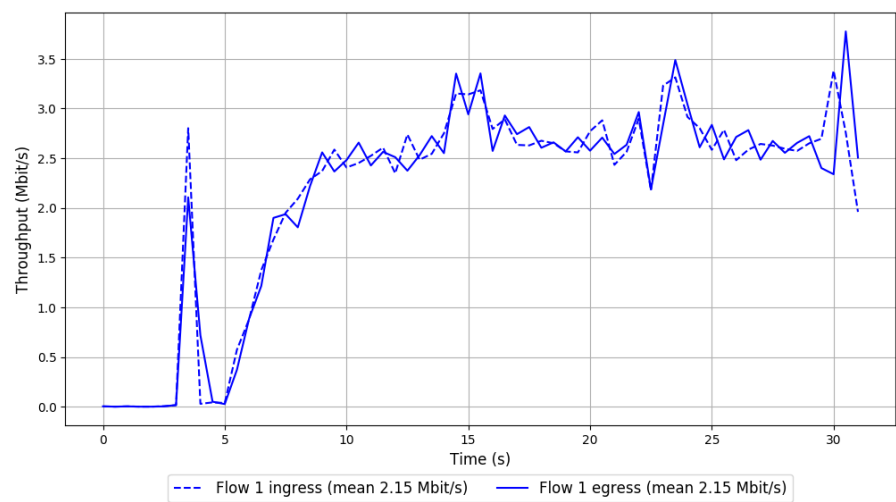
-- Flow 1:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 86.389 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 09:50:56 +0000

End at: Sun, 06 Aug 2017 09:51:26 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:59:40 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 86.749 ms

Loss rate: 0.00%

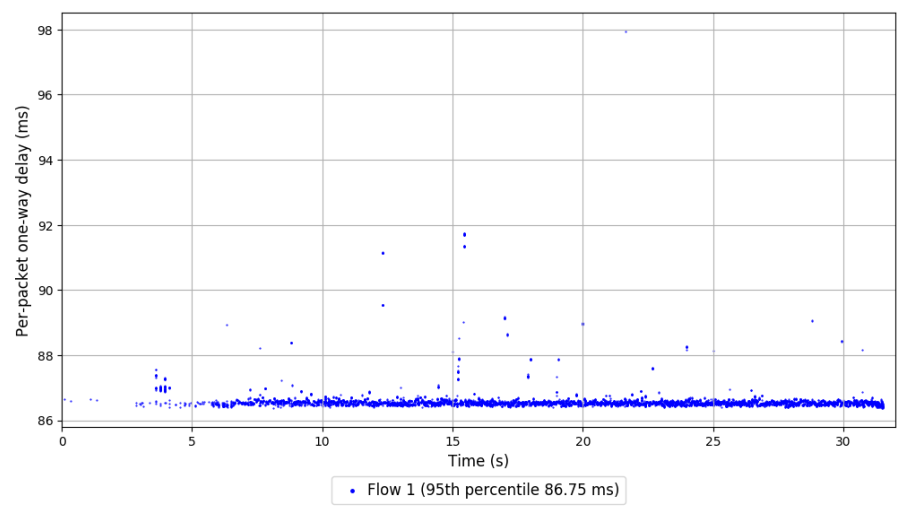
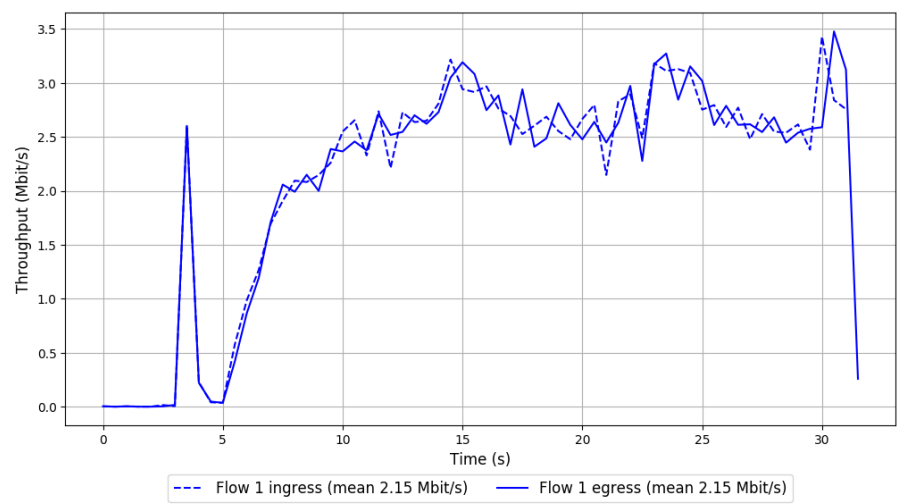
-- Flow 1:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 86.749 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 10:02:11 +0000

End at: Sun, 06 Aug 2017 10:02:41 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:59:40 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 86.715 ms

Loss rate: 0.00%

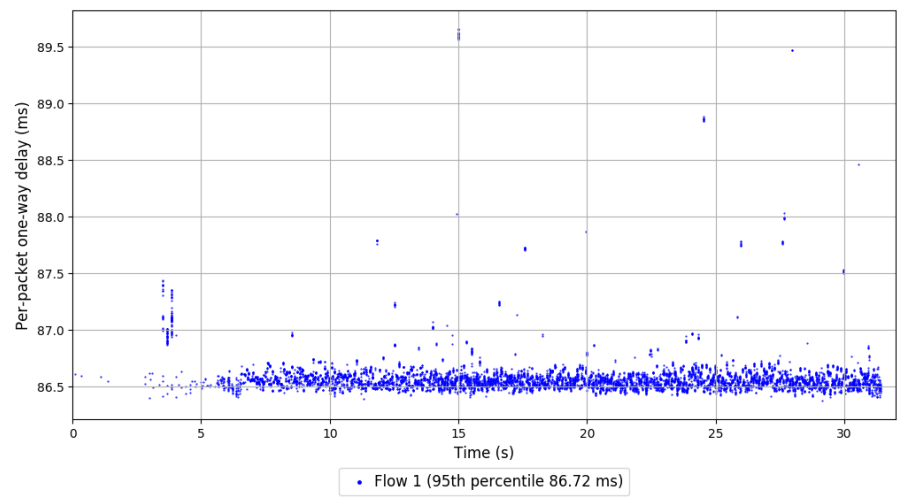
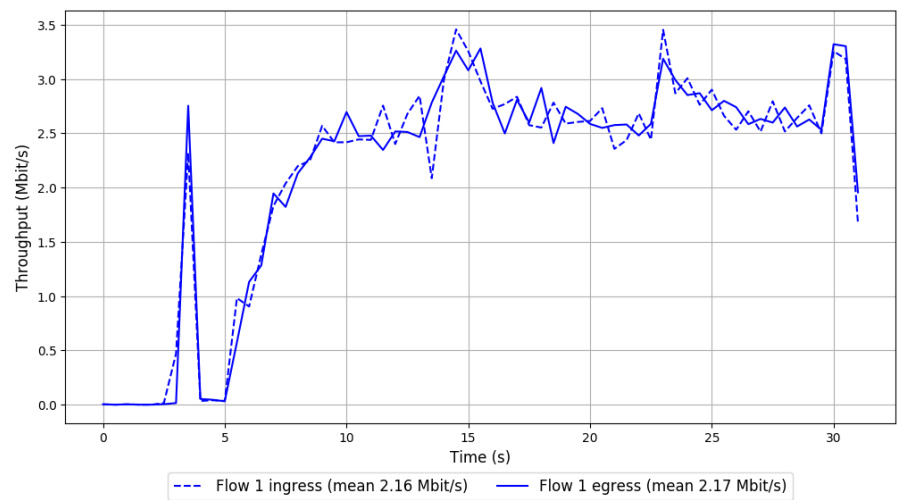
-- Flow 1:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 86.715 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 10:12:59 +0000

End at: Sun, 06 Aug 2017 10:13:29 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:59:41 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 86.780 ms

Loss rate: 0.00%

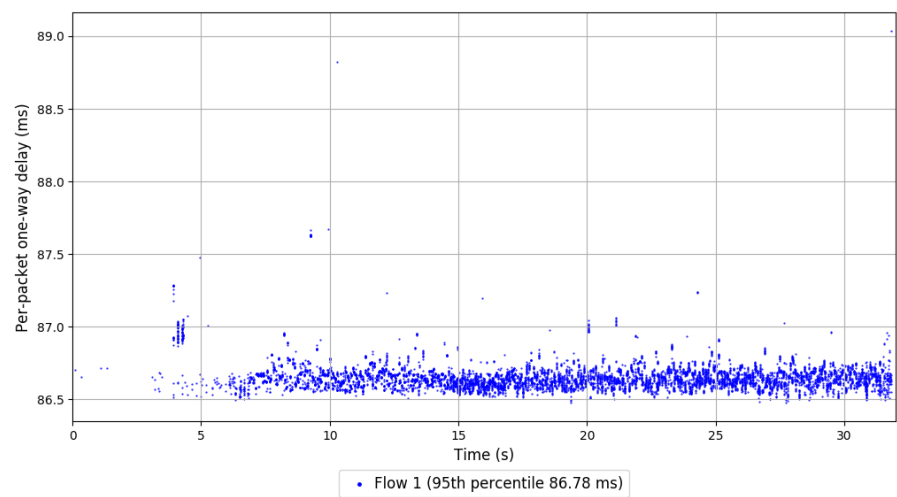
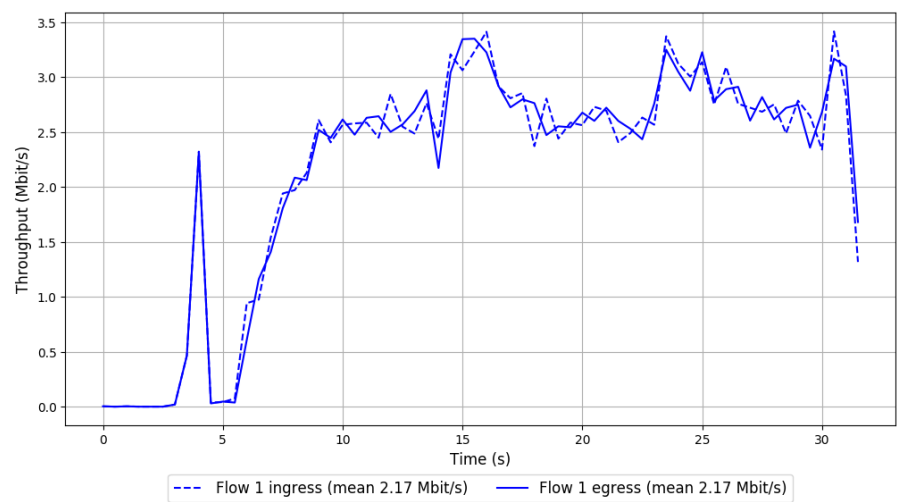
-- Flow 1:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 86.780 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 10:24:01 +0000

End at: Sun, 06 Aug 2017 10:24:31 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:59:42 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 86.730 ms

Loss rate: 0.00%

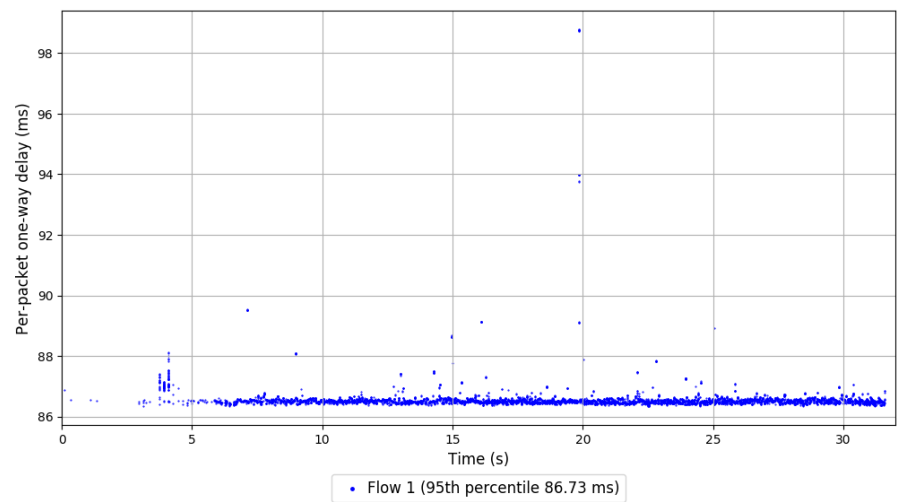
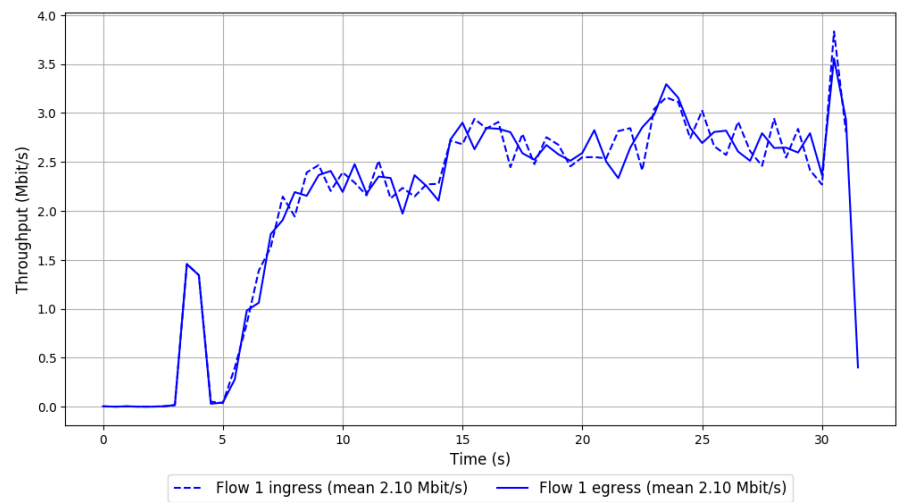
-- Flow 1:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 86.730 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 10:34:56 +0000

End at: Sun, 06 Aug 2017 10:35:26 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 11:59:43 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 87.036 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 87.036 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

