

Pantheon Report

Generated at 2018-01-26 08:18:24 (UTC).

Data path: GCE London Ethernet (*remote*) → GCE Sydney Ethernet (*local*).

Repeated the test of 15 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

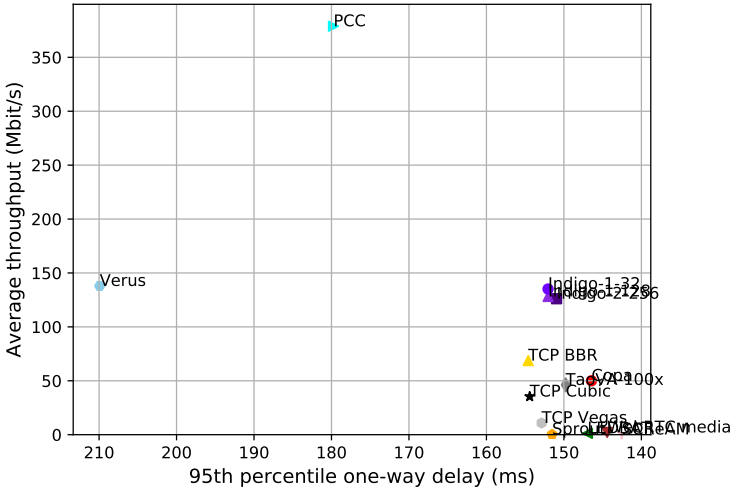
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

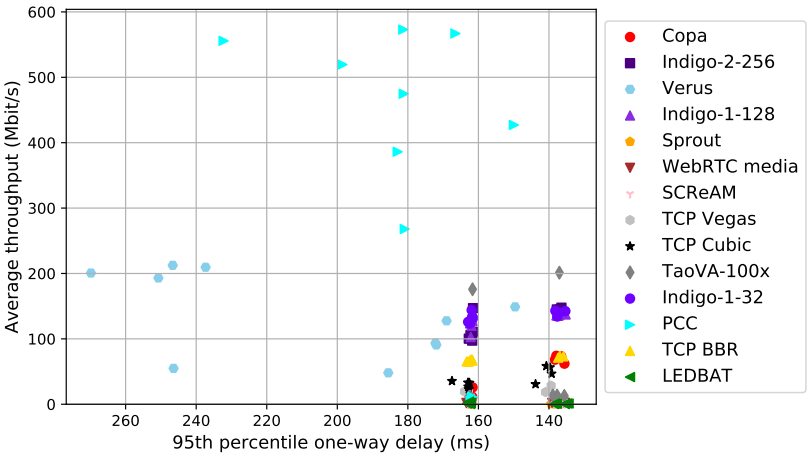
Git summary:

```
branch: master @ f23294ec38436c9f802847d477a41b7343ec76e6
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ ec9585325218d5048c4d4152fa42240af54c6e67
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaaeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 423cbca3e8ea1d599e7b5cf725835e8a2b6bfac6
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from GCE London Ethernet to GCE Sydney Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from GCE London 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	68.73	154.61	1.05
TCP Cubic	10	35.38	154.42	2.00
LEDBAT	10	1.22	146.97	1.52
PCC	10	378.82	179.74	2.08
QUIC Cubic	0	N/A	N/A	N/A
SCReAM	9	0.21	142.53	0.89
WebRTC media	10	2.08	144.41	0.97
Sprout	9	0.36	151.52	0.69
TaoVA-100x	10	46.19	149.78	1.54
TCP Vegas	10	10.84	152.88	1.19
Verus	10	137.95	209.92	1.86
Copa	8	50.00	146.45	1.15
Indigo-2-256	9	126.09	150.95	0.88
Indigo-1-32	10	135.12	152.05	1.03
Indigo-1-128	10	128.22	152.04	1.17

Run 1: Statistics of TCP BBR

Start at: 2018-01-26 03:37:11

End at: 2018-01-26 03:37:41

Below is generated by plot.py at 2018-01-26 07:54:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.26 Mbit/s

95th percentile per-packet one-way delay: 137.396 ms

Loss rate: 1.12%

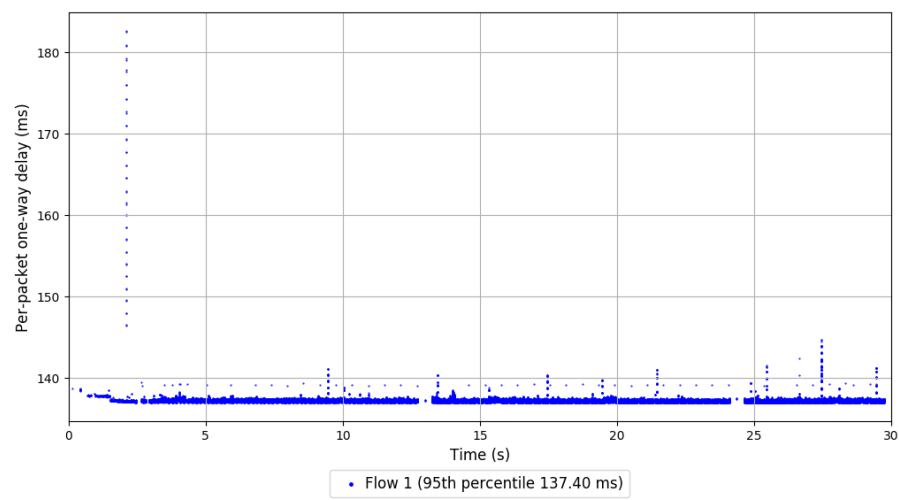
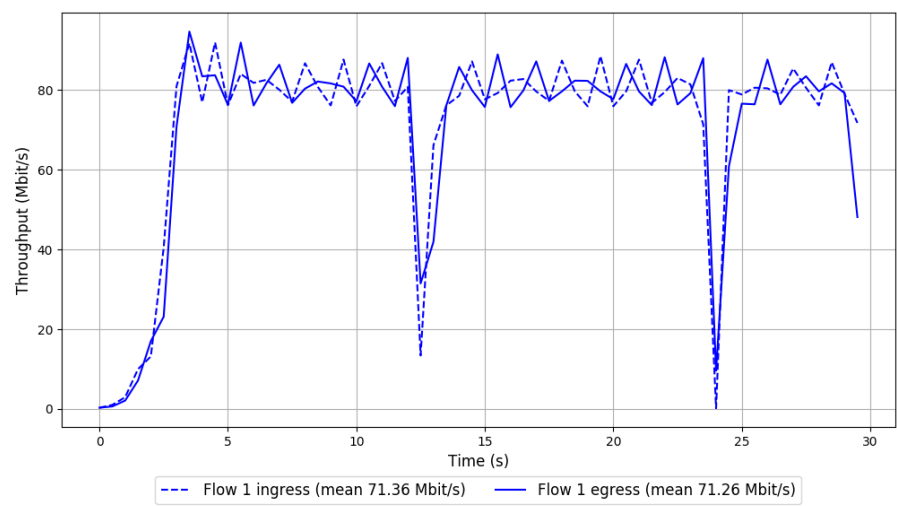
-- Flow 1:

Average throughput: 71.26 Mbit/s

95th percentile per-packet one-way delay: 137.396 ms

Loss rate: 1.12%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-01-26 03:50:13

End at: 2018-01-26 03:50:43

Below is generated by plot.py at 2018-01-26 07:54:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.86 Mbit/s

95th percentile per-packet one-way delay: 136.909 ms

Loss rate: 1.10%

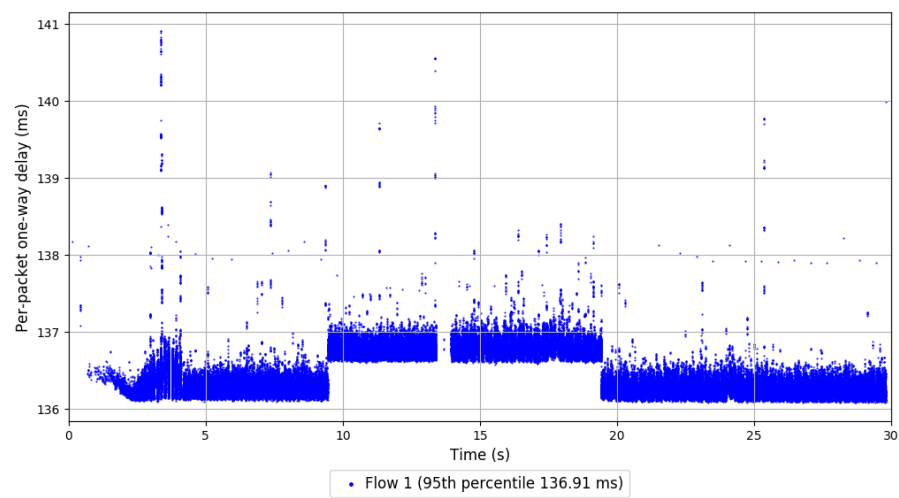
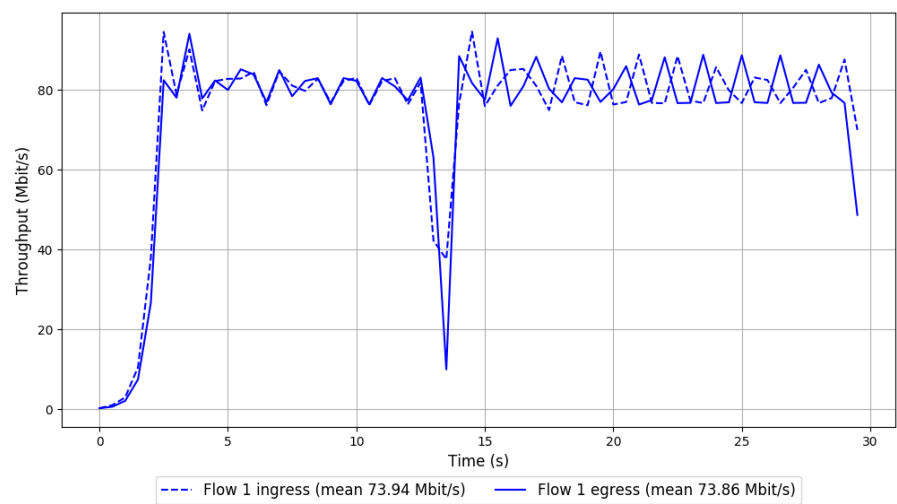
-- Flow 1:

Average throughput: 73.86 Mbit/s

95th percentile per-packet one-way delay: 136.909 ms

Loss rate: 1.10%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-01-26 04:03:13

End at: 2018-01-26 04:03:43

Below is generated by plot.py at 2018-01-26 07:54:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.28 Mbit/s

95th percentile per-packet one-way delay: 135.890 ms

Loss rate: 0.09%

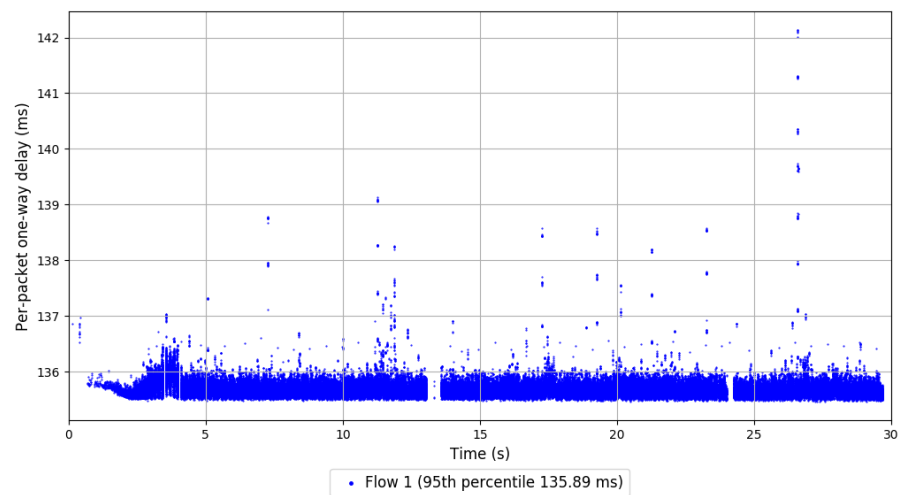
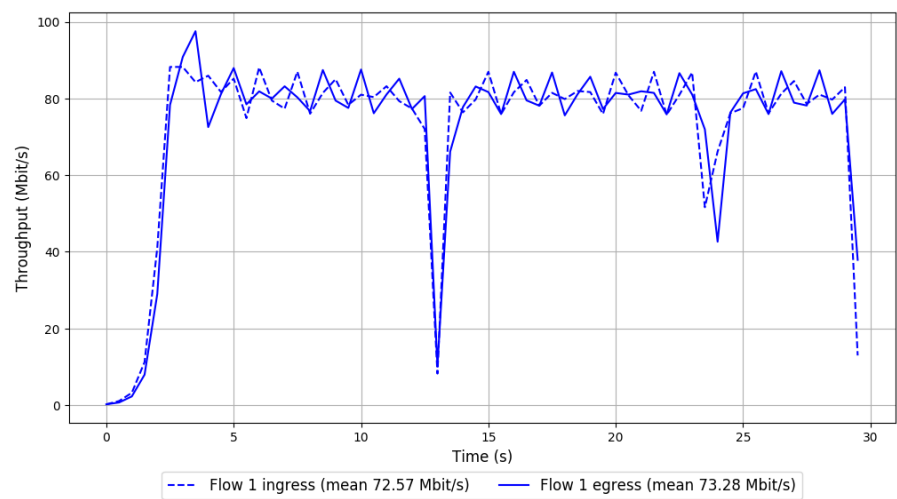
-- Flow 1:

Average throughput: 73.28 Mbit/s

95th percentile per-packet one-way delay: 135.890 ms

Loss rate: 0.09%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-01-26 04:16:26

End at: 2018-01-26 04:16:56

Below is generated by plot.py at 2018-01-26 07:54:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.57 Mbit/s

95th percentile per-packet one-way delay: 163.306 ms

Loss rate: 1.28%

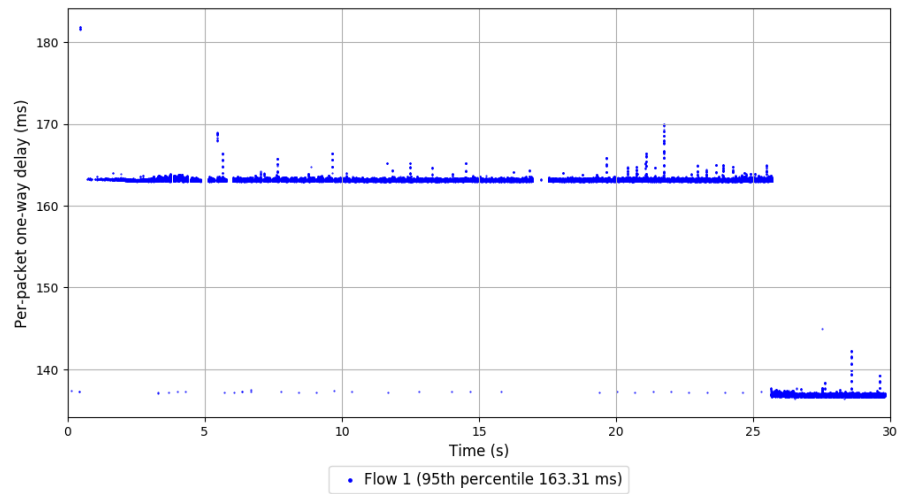
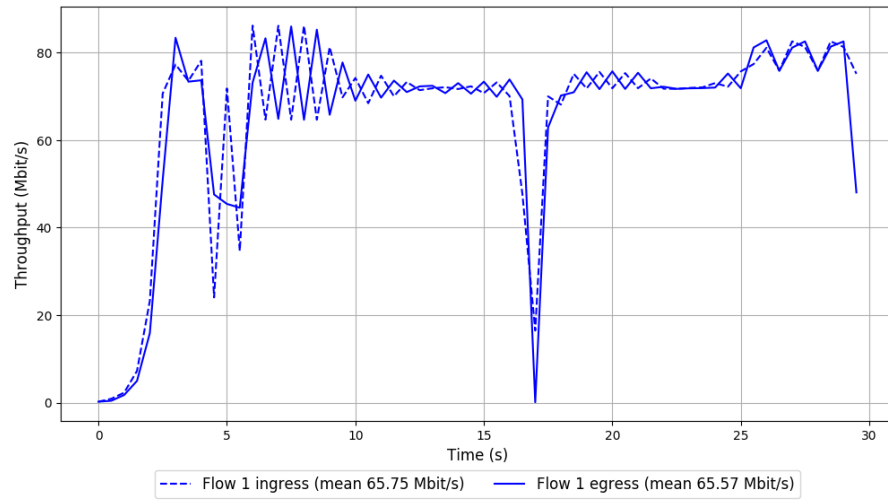
-- Flow 1:

Average throughput: 65.57 Mbit/s

95th percentile per-packet one-way delay: 163.306 ms

Loss rate: 1.28%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-01-26 04:29:15

End at: 2018-01-26 04:29:45

Below is generated by plot.py at 2018-01-26 07:54:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.07 Mbit/s

95th percentile per-packet one-way delay: 162.824 ms

Loss rate: 0.59%

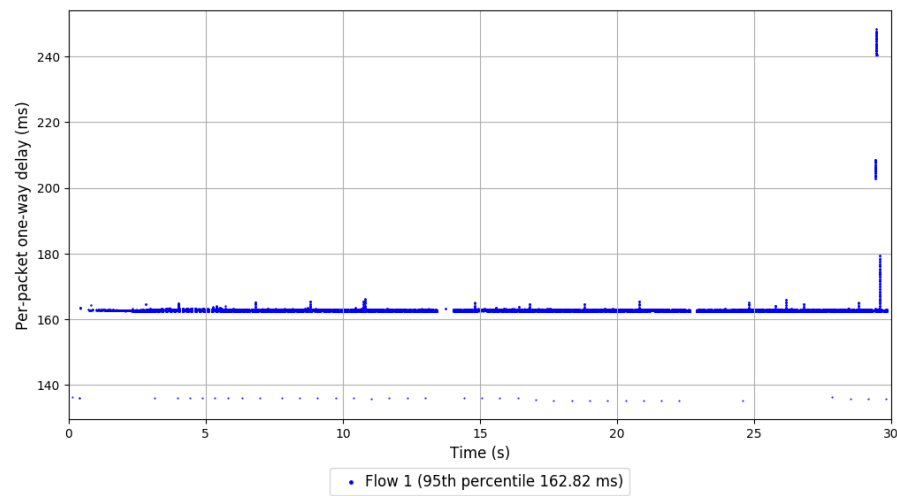
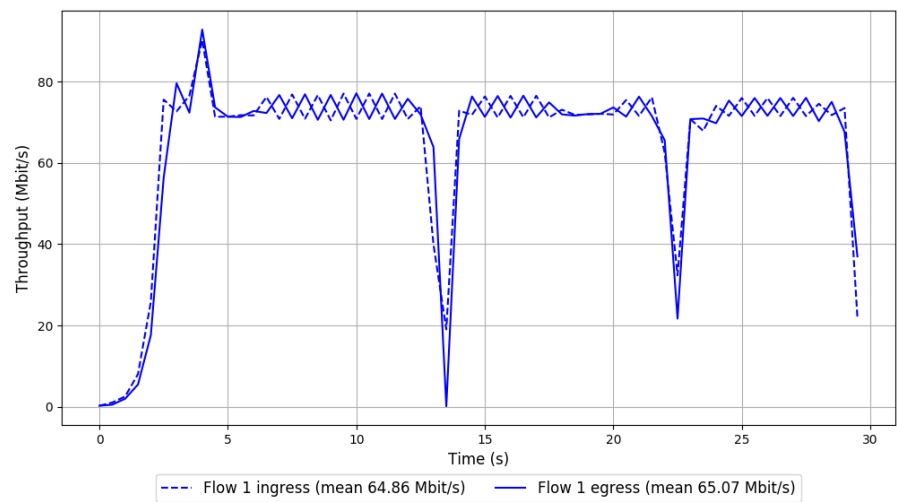
-- Flow 1:

Average throughput: 65.07 Mbit/s

95th percentile per-packet one-way delay: 162.824 ms

Loss rate: 0.59%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-01-26 04:42:07

End at: 2018-01-26 04:42:37

Below is generated by plot.py at 2018-01-26 07:54:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.24 Mbit/s

95th percentile per-packet one-way delay: 162.358 ms

Loss rate: 1.27%

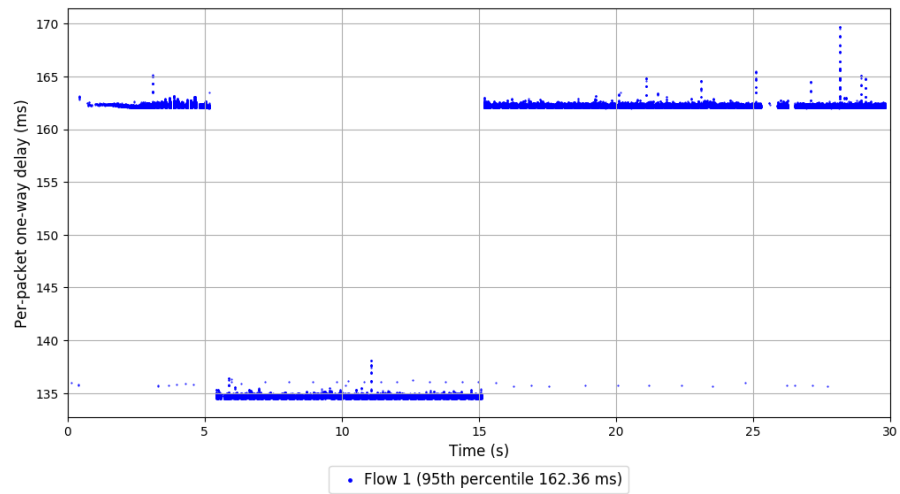
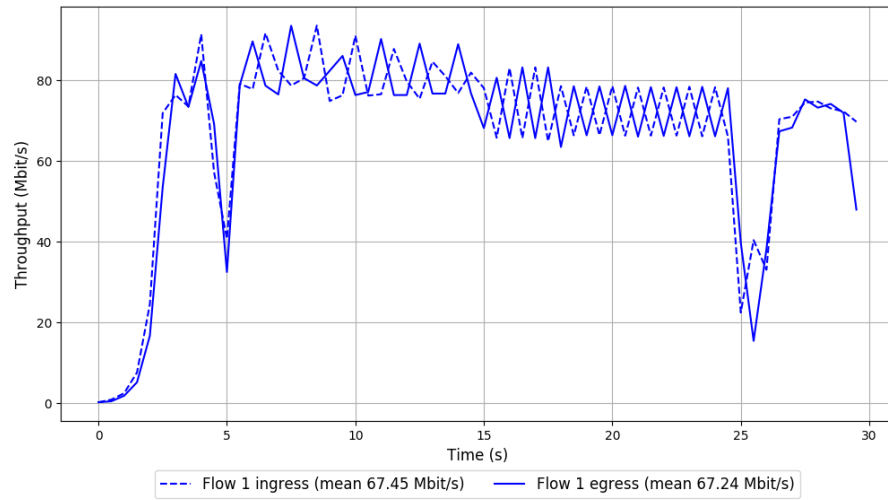
-- Flow 1:

Average throughput: 67.24 Mbit/s

95th percentile per-packet one-way delay: 162.358 ms

Loss rate: 1.27%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-01-26 04:54:32

End at: 2018-01-26 04:55:02

Below is generated by plot.py at 2018-01-26 07:54:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.14 Mbit/s

95th percentile per-packet one-way delay: 162.036 ms

Loss rate: 1.32%

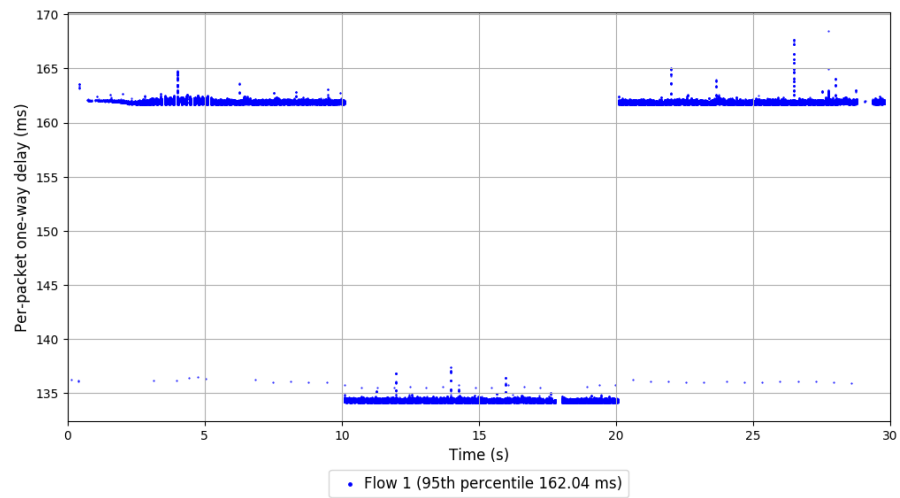
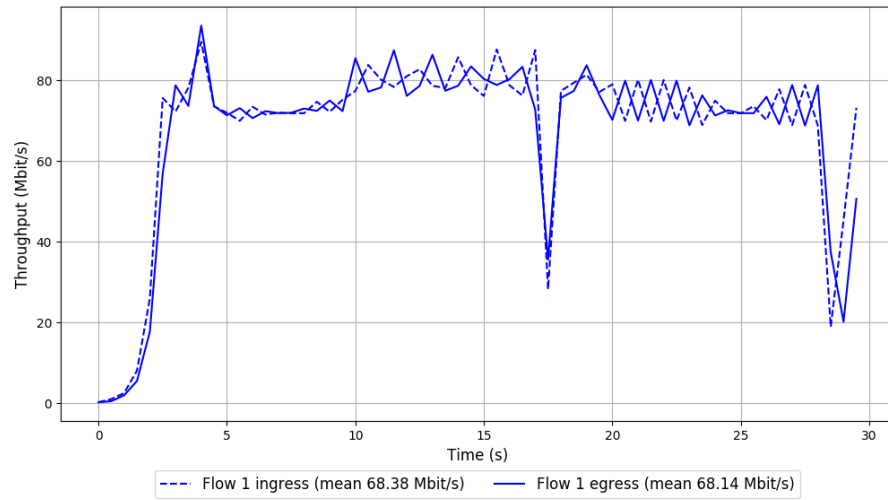
-- Flow 1:

Average throughput: 68.14 Mbit/s

95th percentile per-packet one-way delay: 162.036 ms

Loss rate: 1.32%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-01-26 05:07:26

End at: 2018-01-26 05:07:56

Below is generated by plot.py at 2018-01-26 07:54:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.87 Mbit/s

95th percentile per-packet one-way delay: 161.747 ms

Loss rate: 1.33%

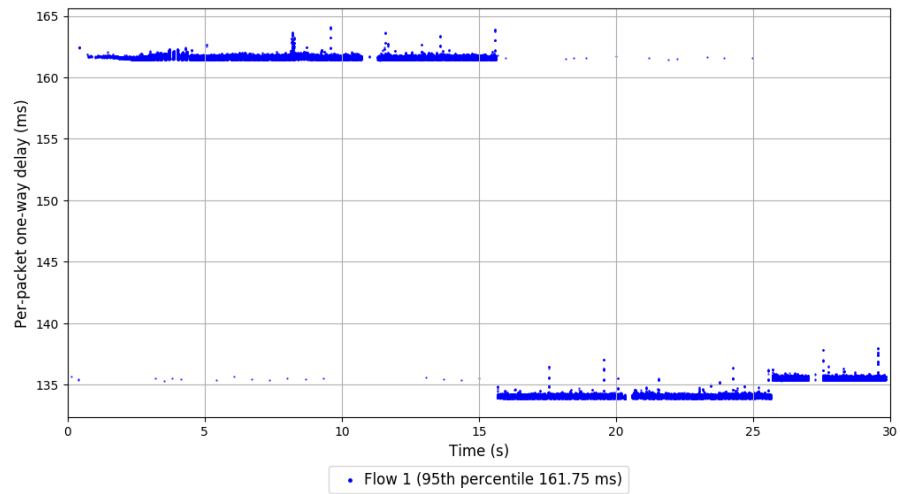
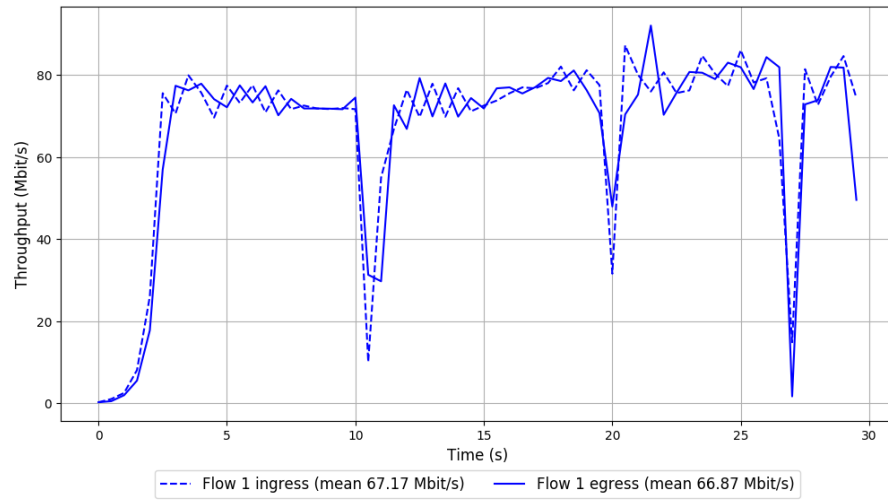
-- Flow 1:

Average throughput: 66.87 Mbit/s

95th percentile per-packet one-way delay: 161.747 ms

Loss rate: 1.33%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-01-26 05:20:06

End at: 2018-01-26 05:20:36

Below is generated by plot.py at 2018-01-26 07:55:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.48 Mbit/s

95th percentile per-packet one-way delay: 161.844 ms

Loss rate: 1.21%

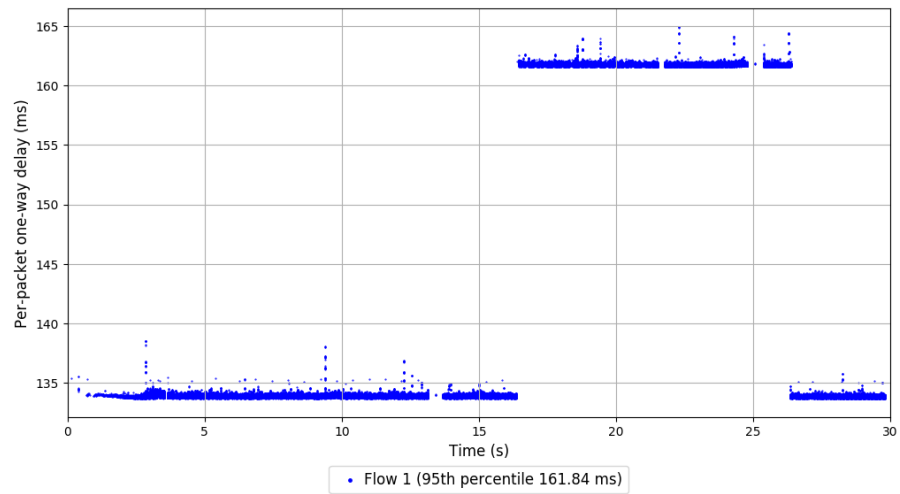
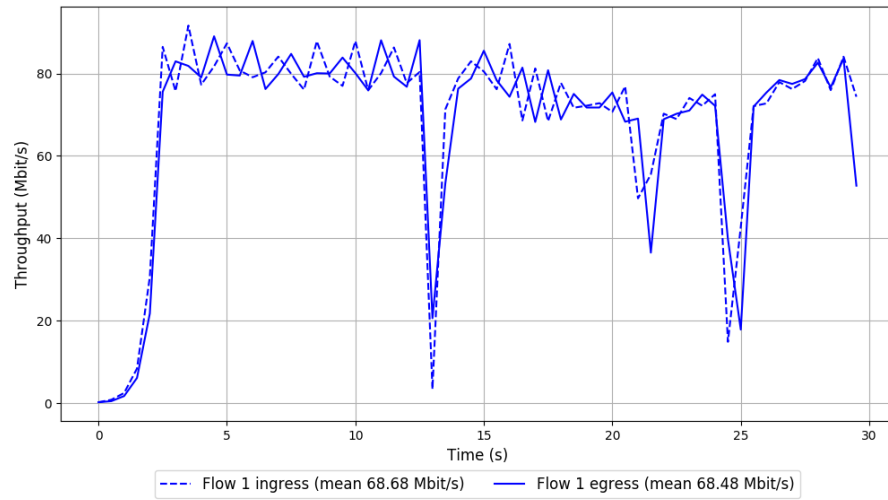
-- Flow 1:

Average throughput: 68.48 Mbit/s

95th percentile per-packet one-way delay: 161.844 ms

Loss rate: 1.21%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-01-26 05:33:04

End at: 2018-01-26 05:33:34

Below is generated by plot.py at 2018-01-26 07:55:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.49 Mbit/s

95th percentile per-packet one-way delay: 161.753 ms

Loss rate: 1.19%

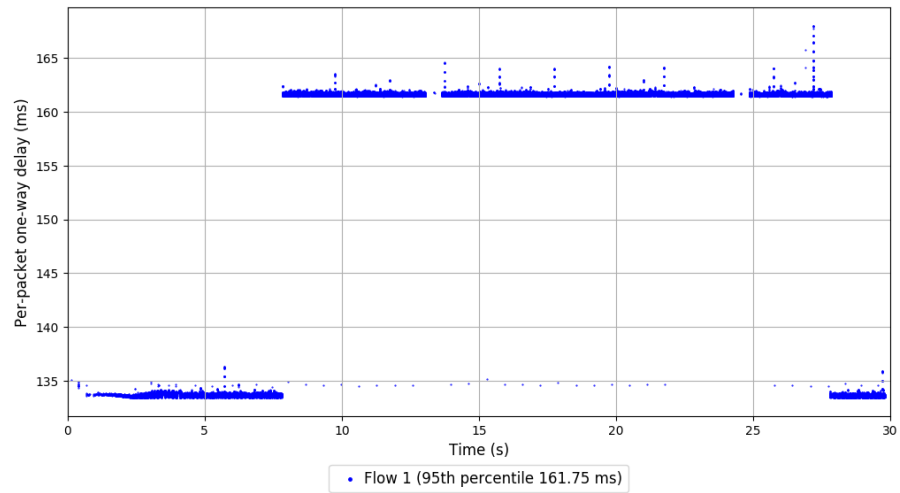
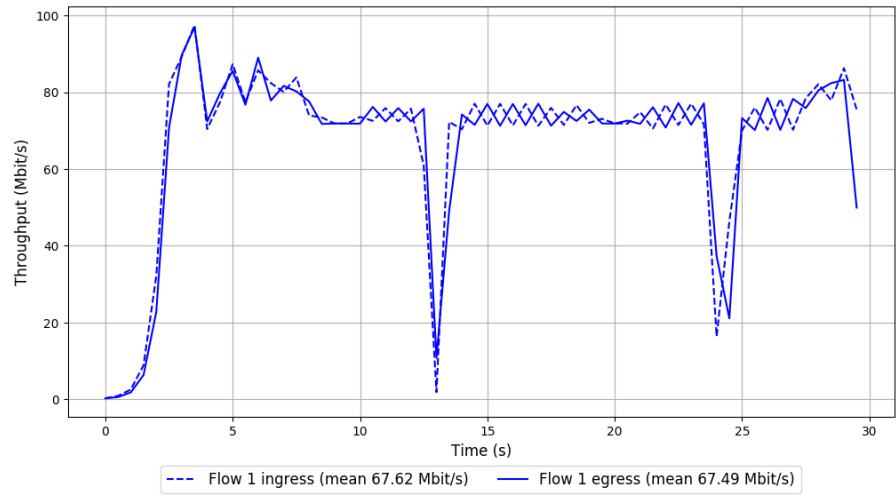
-- Flow 1:

Average throughput: 67.49 Mbit/s

95th percentile per-packet one-way delay: 161.753 ms

Loss rate: 1.19%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-01-26 03:36:23

End at: 2018-01-26 03:36:53

Below is generated by plot.py at 2018-01-26 07:55:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.43 Mbit/s

95th percentile per-packet one-way delay: 140.731 ms

Loss rate: 1.33%

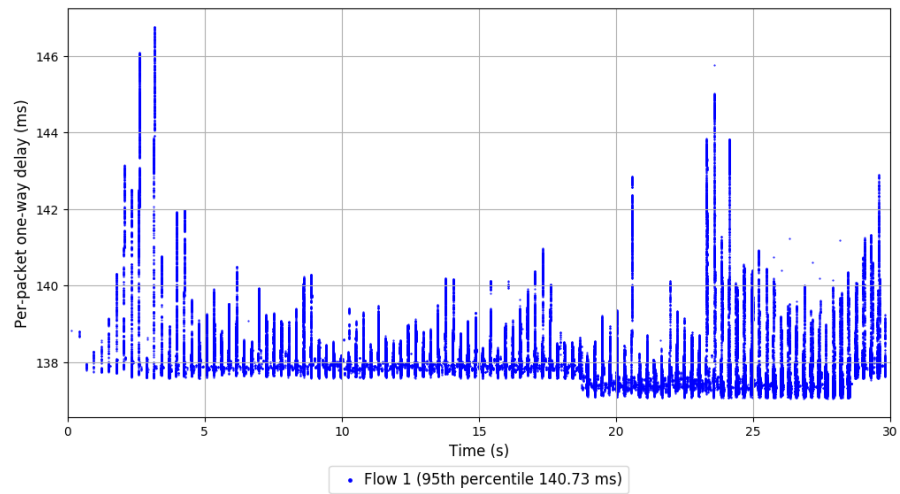
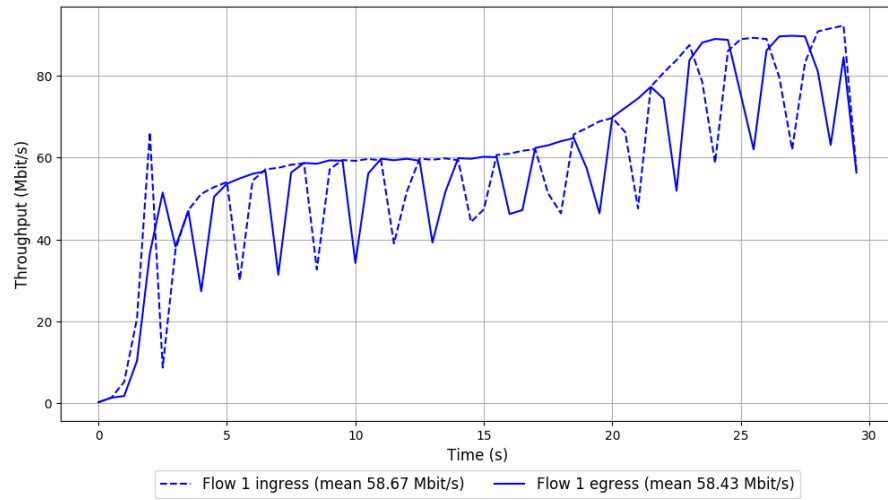
-- Flow 1:

Average throughput: 58.43 Mbit/s

95th percentile per-packet one-way delay: 140.731 ms

Loss rate: 1.33%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-01-26 03:49:26

End at: 2018-01-26 03:49:56

Below is generated by plot.py at 2018-01-26 07:55:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.38 Mbit/s

95th percentile per-packet one-way delay: 139.709 ms

Loss rate: 1.46%

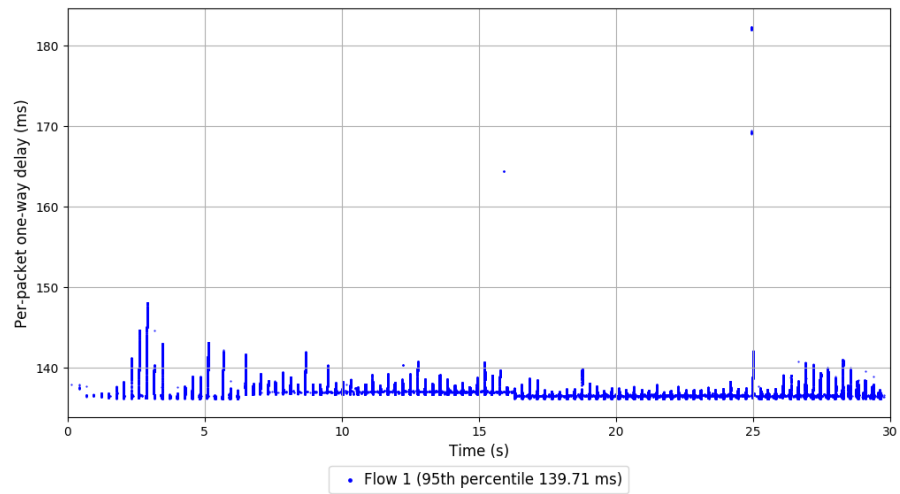
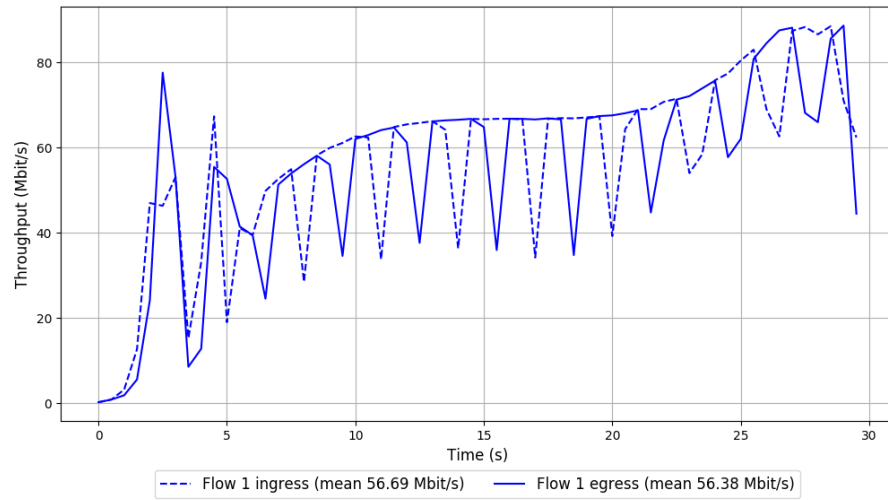
-- Flow 1:

Average throughput: 56.38 Mbit/s

95th percentile per-packet one-way delay: 139.709 ms

Loss rate: 1.46%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-01-26 04:02:26

End at: 2018-01-26 04:02:56

Below is generated by plot.py at 2018-01-26 07:55:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.73 Mbit/s

95th percentile per-packet one-way delay: 139.269 ms

Loss rate: 1.45%

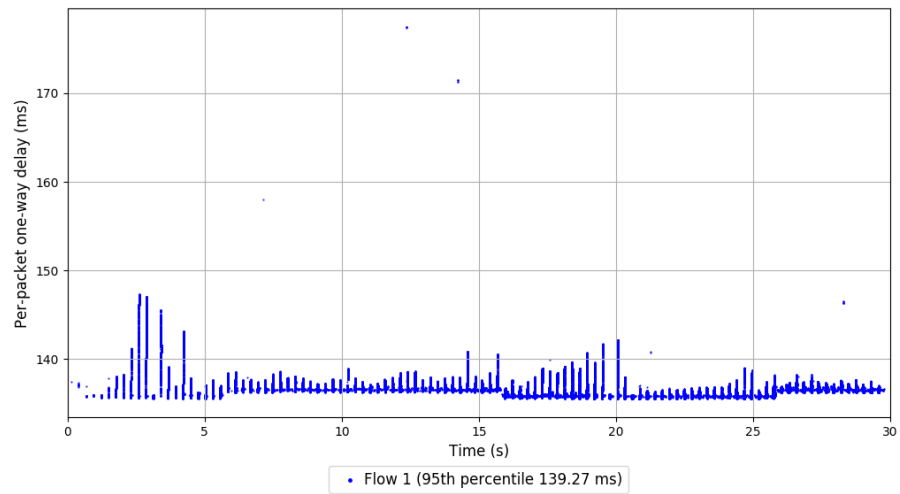
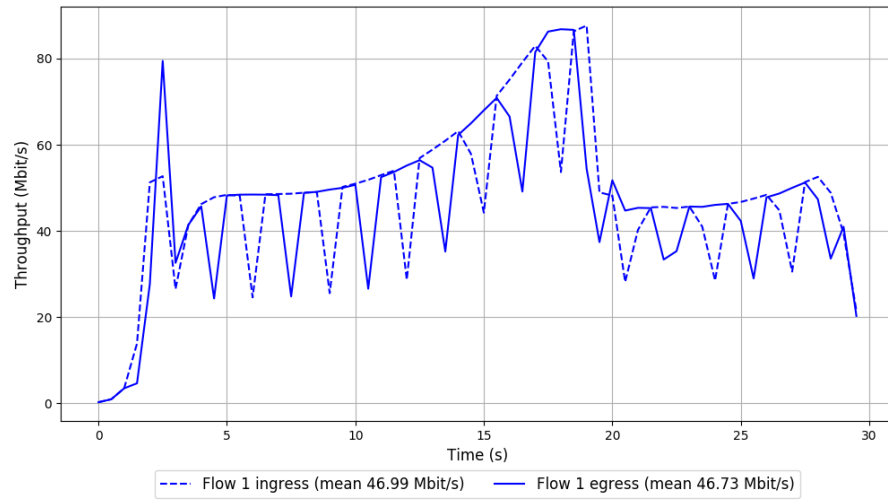
-- Flow 1:

Average throughput: 46.73 Mbit/s

95th percentile per-packet one-way delay: 139.269 ms

Loss rate: 1.45%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-01-26 04:15:41

End at: 2018-01-26 04:16:11

Below is generated by plot.py at 2018-01-26 07:55:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.75 Mbit/s

95th percentile per-packet one-way delay: 143.805 ms

Loss rate: 1.28%

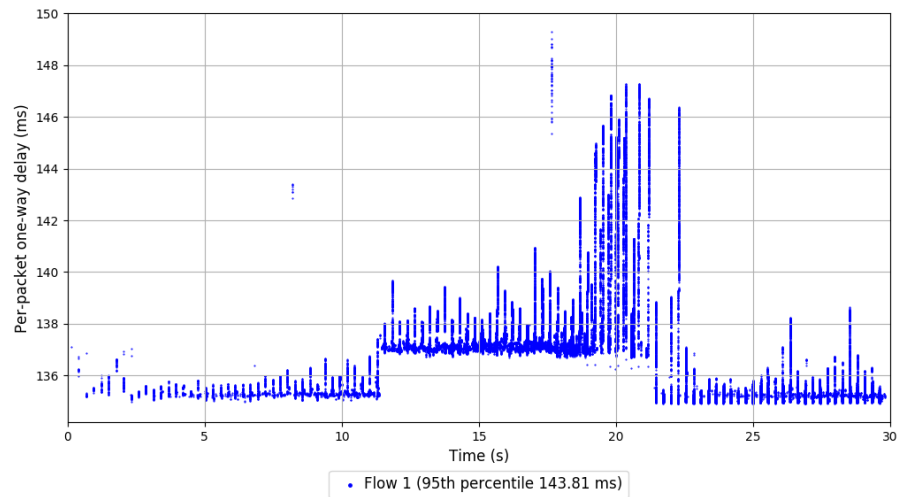
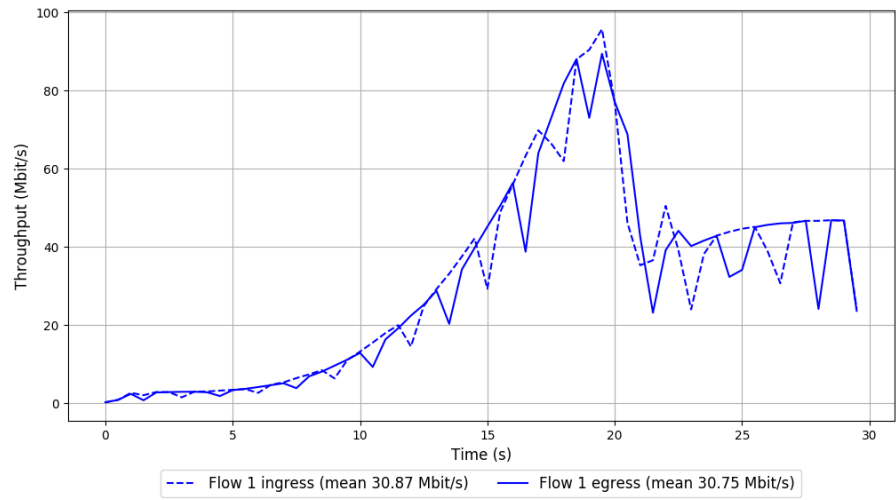
-- Flow 1:

Average throughput: 30.75 Mbit/s

95th percentile per-packet one-way delay: 143.805 ms

Loss rate: 1.28%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-01-26 04:28:29

End at: 2018-01-26 04:28:59

Below is generated by plot.py at 2018-01-26 07:55:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.53 Mbit/s

95th percentile per-packet one-way delay: 167.494 ms

Loss rate: 1.78%

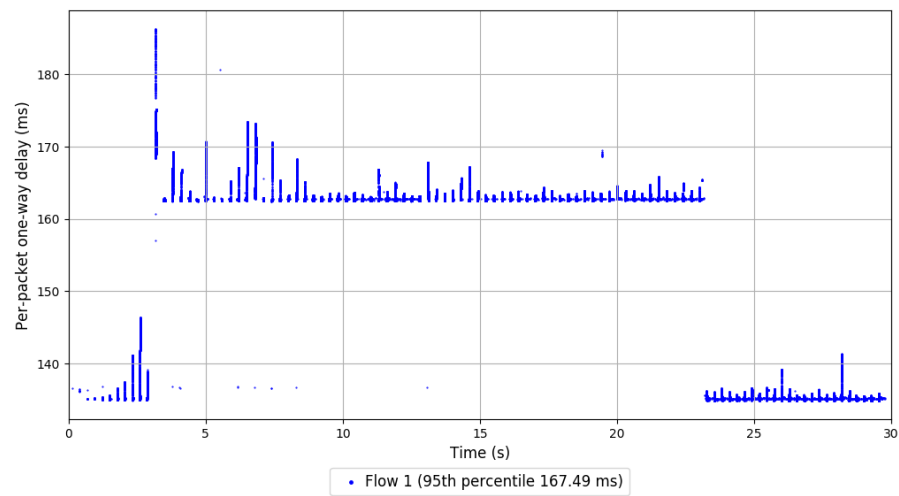
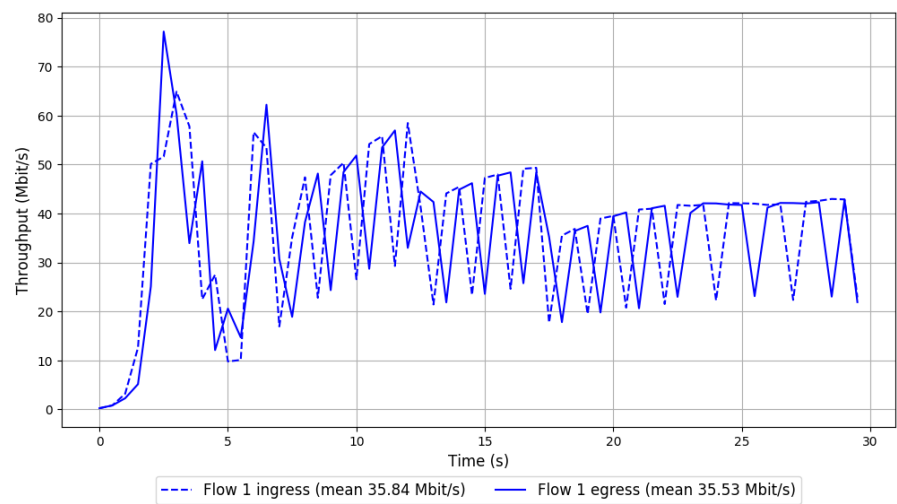
-- Flow 1:

Average throughput: 35.53 Mbit/s

95th percentile per-packet one-way delay: 167.494 ms

Loss rate: 1.78%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-01-26 04:41:20

End at: 2018-01-26 04:41:50

Below is generated by plot.py at 2018-01-26 07:55:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.69 Mbit/s

95th percentile per-packet one-way delay: 162.554 ms

Loss rate: 1.33%

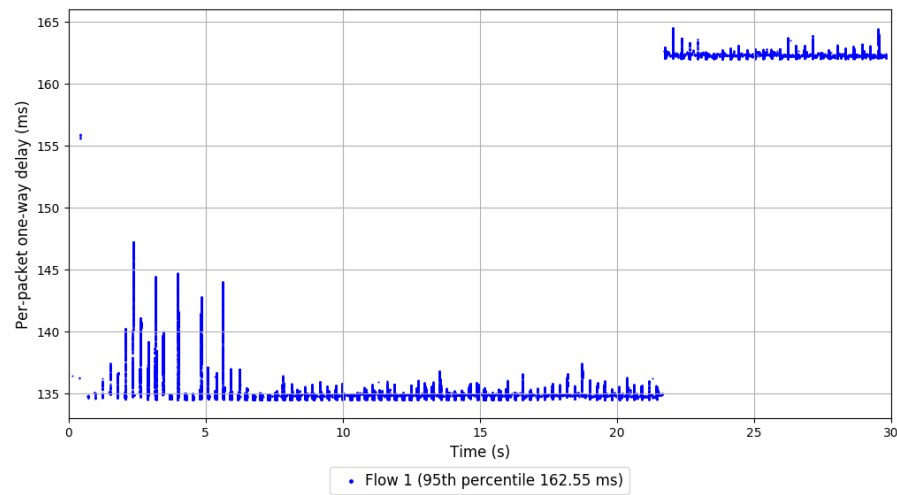
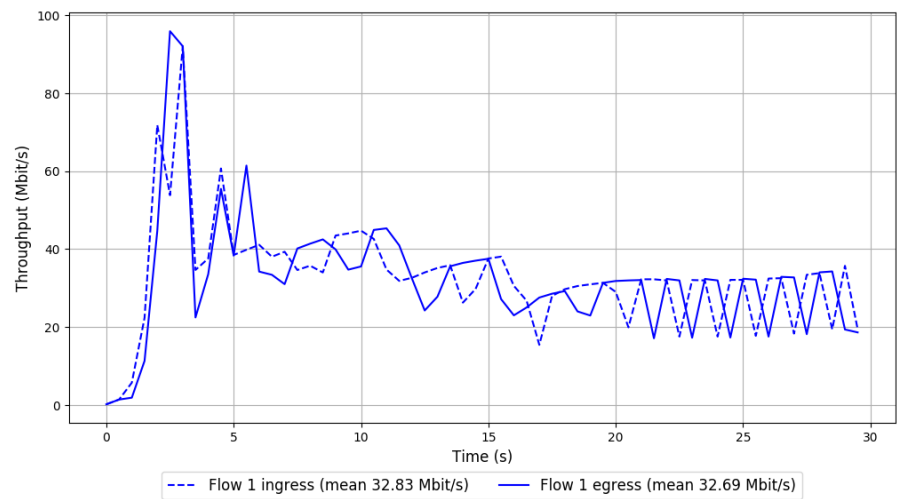
-- Flow 1:

Average throughput: 32.69 Mbit/s

95th percentile per-packet one-way delay: 162.554 ms

Loss rate: 1.33%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-01-26 04:53:46

End at: 2018-01-26 04:54:16

Below is generated by plot.py at 2018-01-26 07:55:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.90 Mbit/s

95th percentile per-packet one-way delay: 162.892 ms

Loss rate: 1.92%

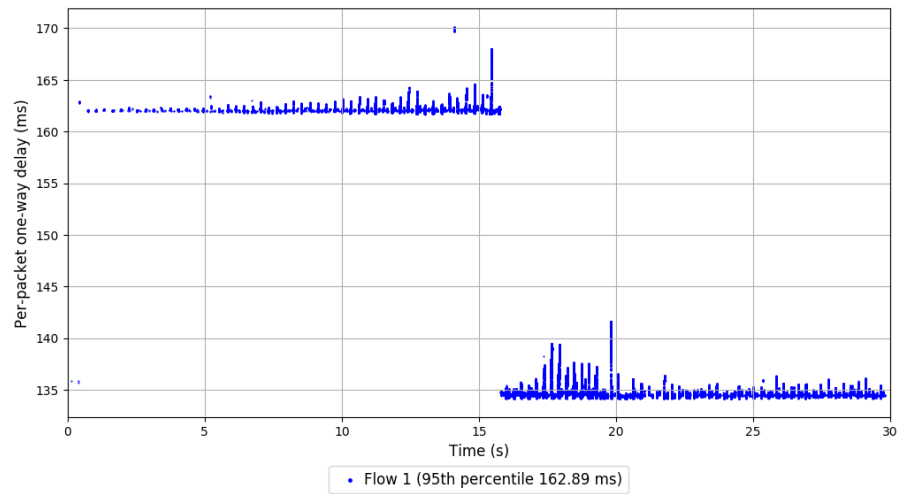
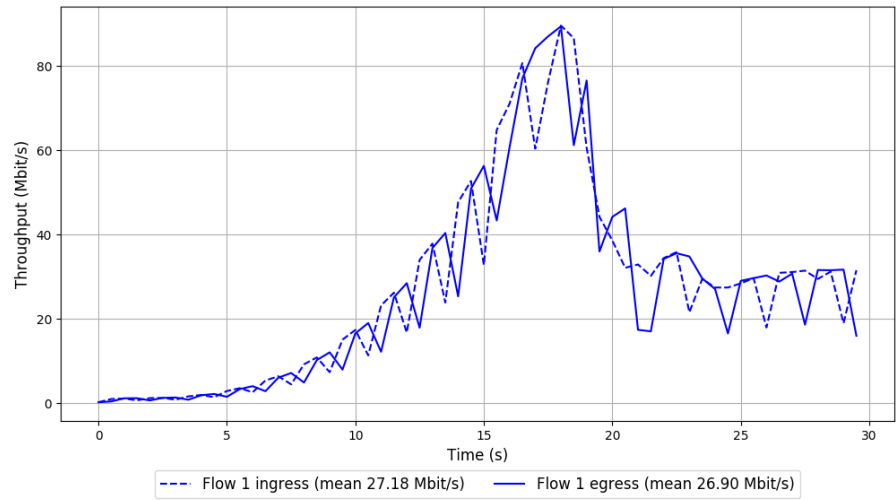
-- Flow 1:

Average throughput: 26.90 Mbit/s

95th percentile per-packet one-way delay: 162.892 ms

Loss rate: 1.92%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-01-26 05:06:41

End at: 2018-01-26 05:07:11

Below is generated by plot.py at 2018-01-26 07:55:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.02 Mbit/s

95th percentile per-packet one-way delay: 162.718 ms

Loss rate: 1.71%

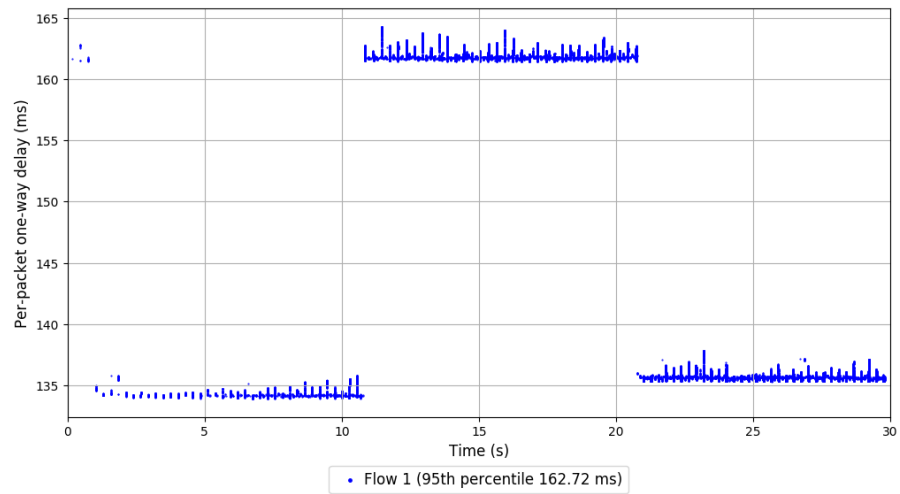
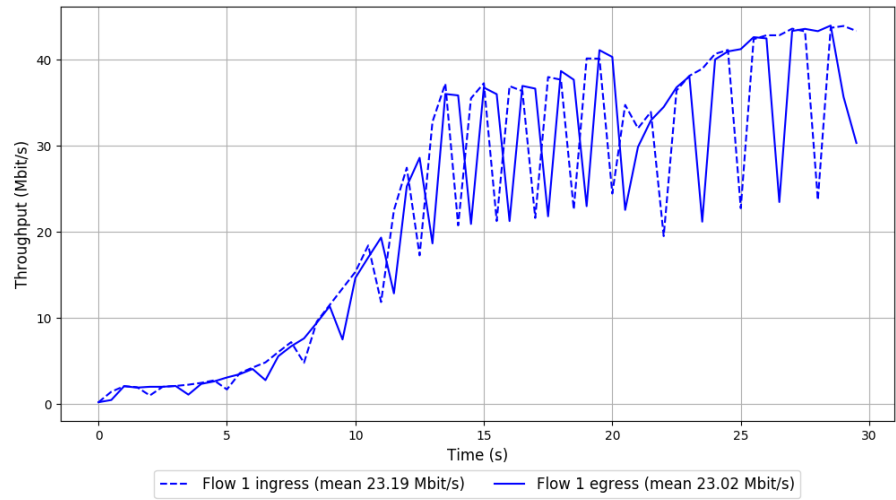
-- Flow 1:

Average throughput: 23.02 Mbit/s

95th percentile per-packet one-way delay: 162.718 ms

Loss rate: 1.71%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-01-26 05:19:19

End at: 2018-01-26 05:19:49

Below is generated by plot.py at 2018-01-26 07:55:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.02 Mbit/s

95th percentile per-packet one-way delay: 162.952 ms

Loss rate: 2.31%

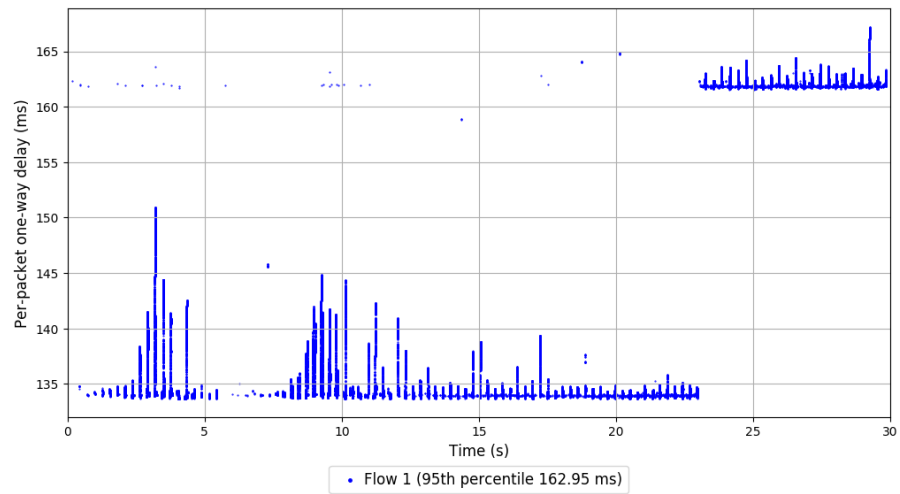
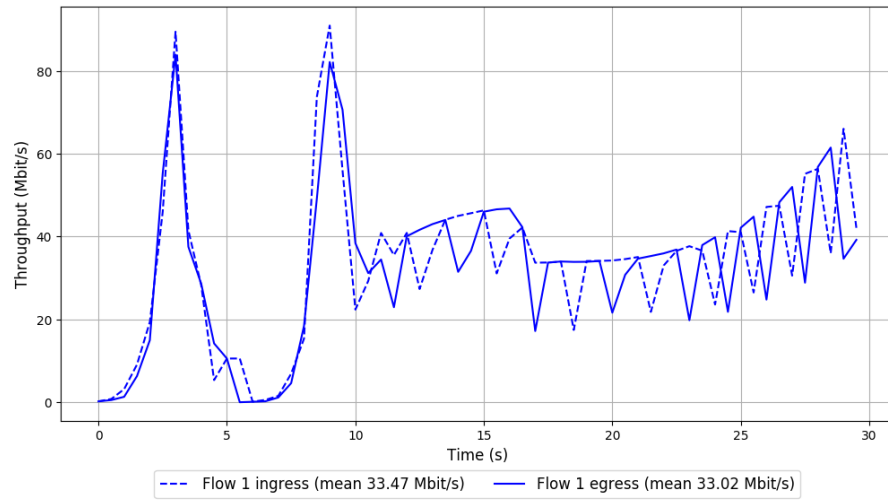
-- Flow 1:

Average throughput: 33.02 Mbit/s

95th percentile per-packet one-way delay: 162.952 ms

Loss rate: 2.31%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-01-26 05:32:19

End at: 2018-01-26 05:32:49

Below is generated by plot.py at 2018-01-26 07:55:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.33 Mbit/s

95th percentile per-packet one-way delay: 162.035 ms

Loss rate: 5.45%

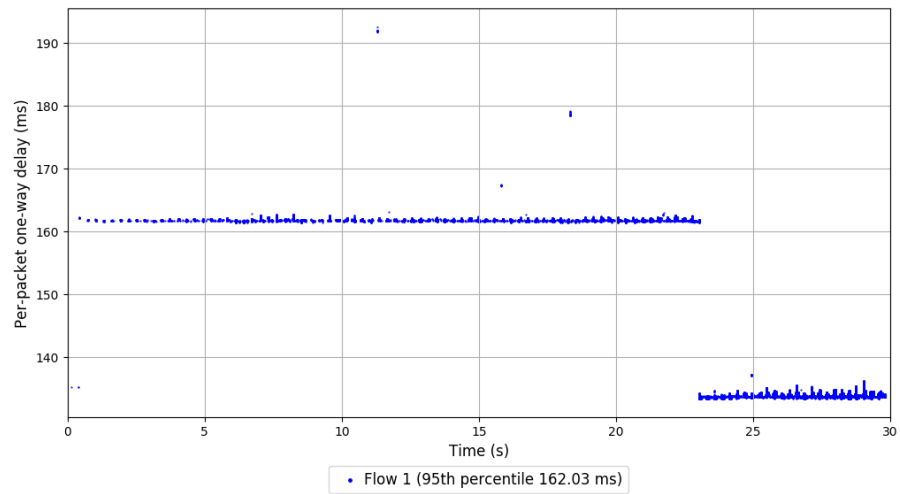
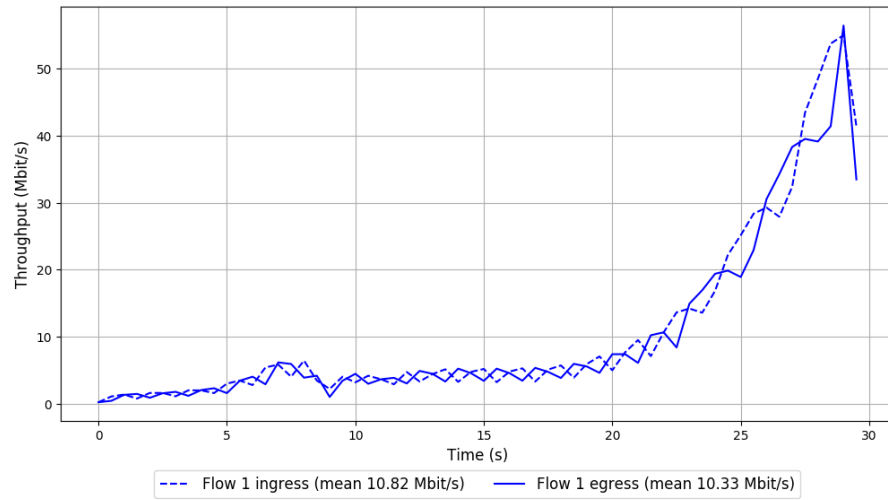
-- Flow 1:

Average throughput: 10.33 Mbit/s

95th percentile per-packet one-way delay: 162.035 ms

Loss rate: 5.45%

Run 10: Report of TCP Cubic — Data Link

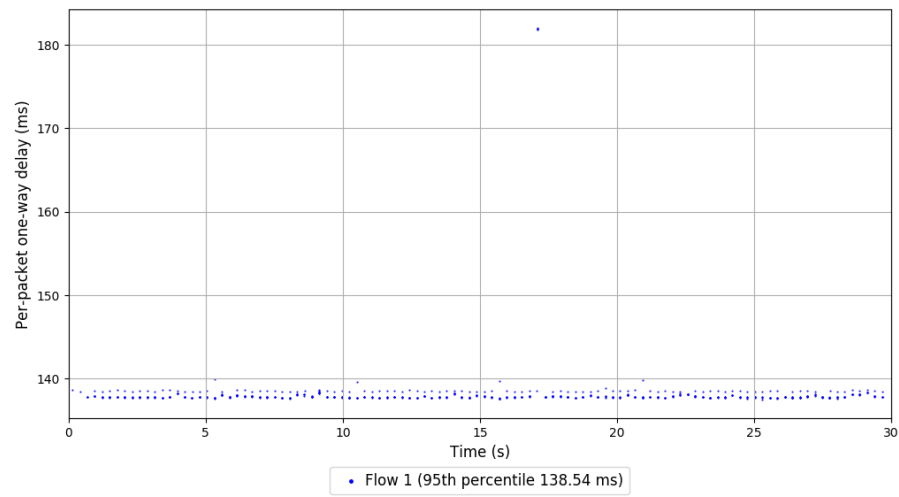
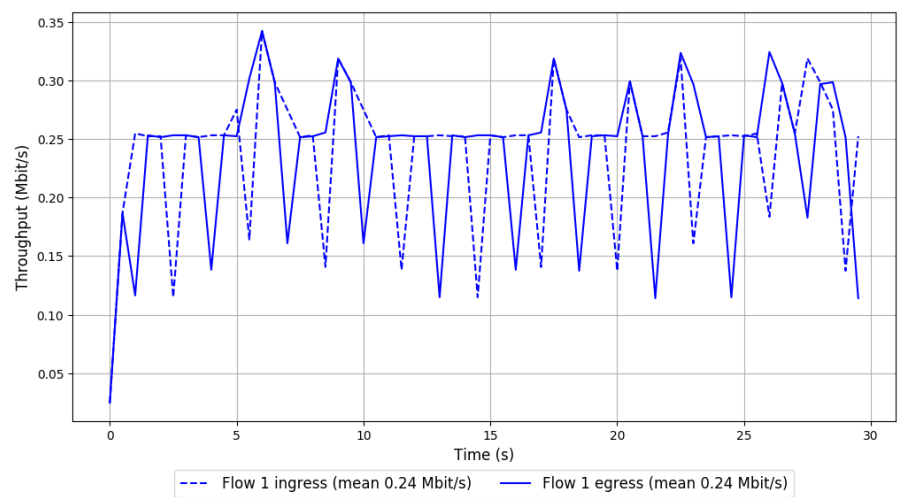


```
Run 1: Statistics of LEDBAT

Start at: 2018-01-26 03:37:58
End at: 2018-01-26 03:38:28

# Below is generated by plot.py at 2018-01-26 07:55:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 138.543 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 138.543 ms
Loss rate: 0.96%
```


Run 1: Report of LEDBAT — Data Link

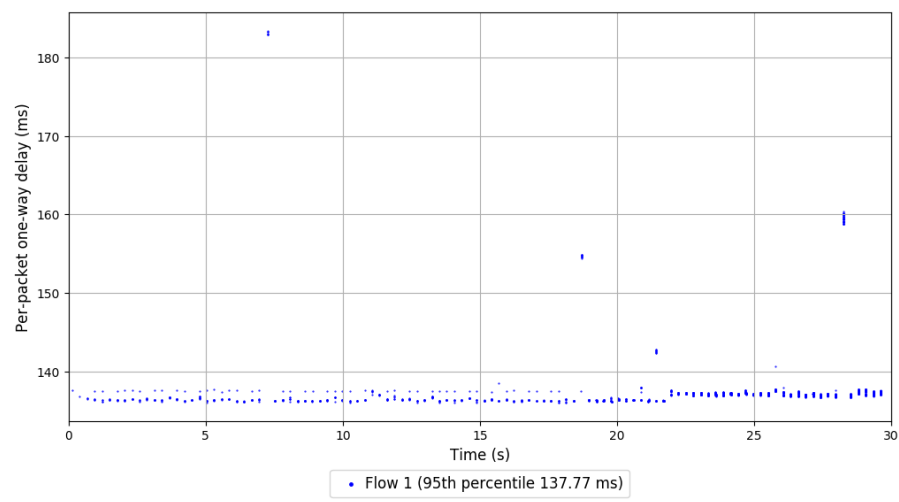
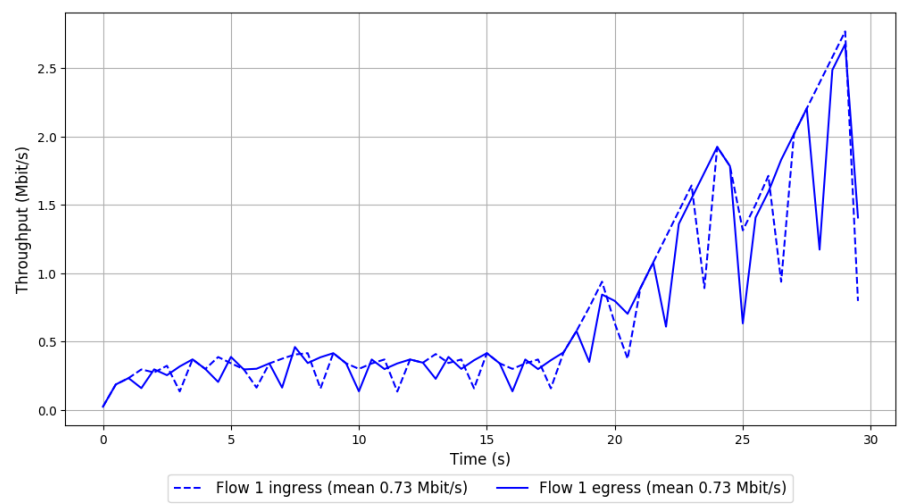


```
Run 2: Statistics of LEDBAT

Start at: 2018-01-26 03:51:00
End at: 2018-01-26 03:51:30

# Below is generated by plot.py at 2018-01-26 07:55:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 137.768 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 137.768 ms
Loss rate: 1.82%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-01-26 04:04:00

End at: 2018-01-26 04:04:30

Below is generated by plot.py at 2018-01-26 07:55:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.16 Mbit/s

95th percentile per-packet one-way delay: 138.223 ms

Loss rate: 0.81%

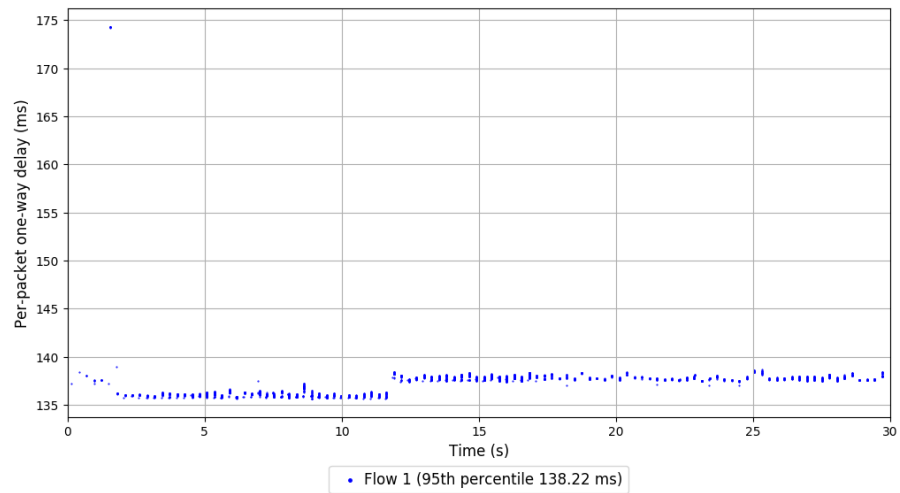
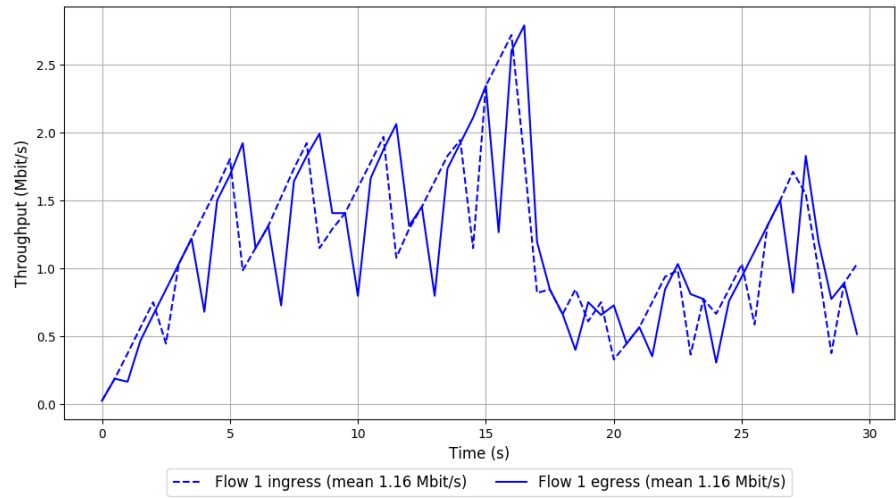
-- Flow 1:

Average throughput: 1.16 Mbit/s

95th percentile per-packet one-way delay: 138.223 ms

Loss rate: 0.81%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-01-26 04:17:15

End at: 2018-01-26 04:17:45

Below is generated by plot.py at 2018-01-26 07:55:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.06 Mbit/s

95th percentile per-packet one-way delay: 163.265 ms

Loss rate: 1.26%

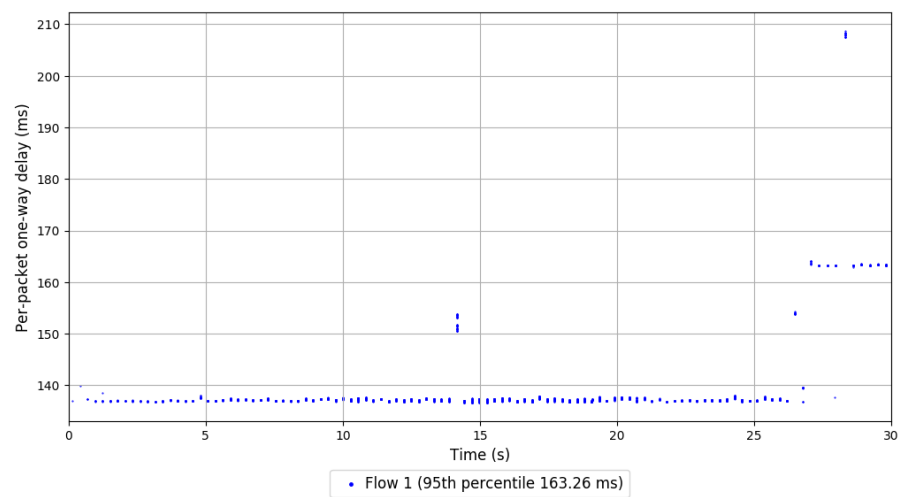
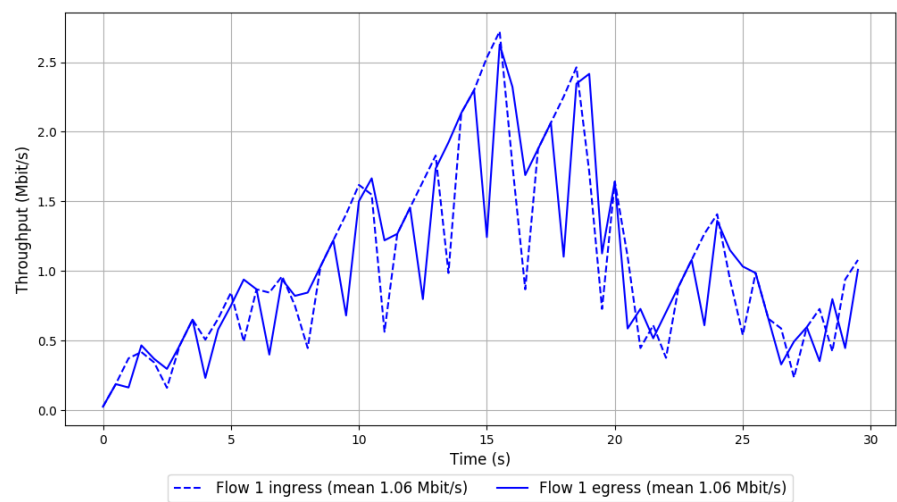
-- Flow 1:

Average throughput: 1.06 Mbit/s

95th percentile per-packet one-way delay: 163.265 ms

Loss rate: 1.26%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-01-26 04:30:03

End at: 2018-01-26 04:30:33

Below is generated by plot.py at 2018-01-26 07:55:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 135.502 ms

Loss rate: 1.77%

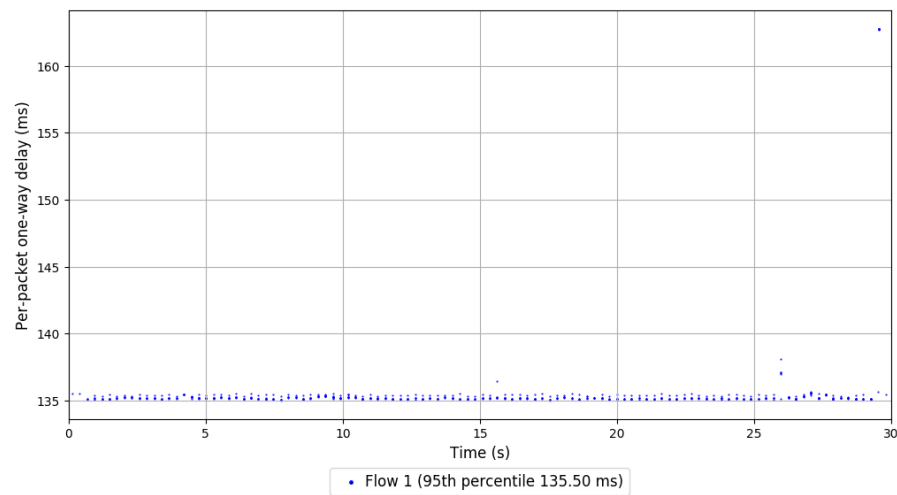
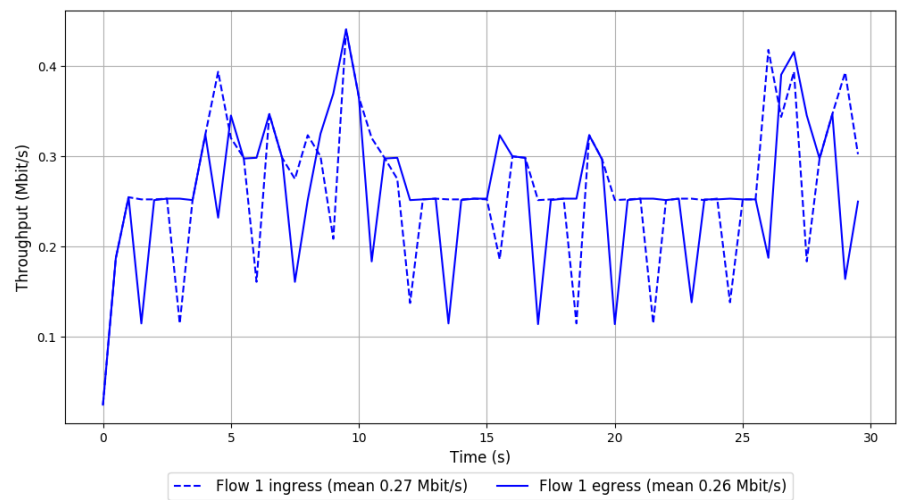
-- Flow 1:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 135.502 ms

Loss rate: 1.77%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-01-26 04:42:54

End at: 2018-01-26 04:43:24

Below is generated by plot.py at 2018-01-26 07:55:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 162.306 ms

Loss rate: 1.74%

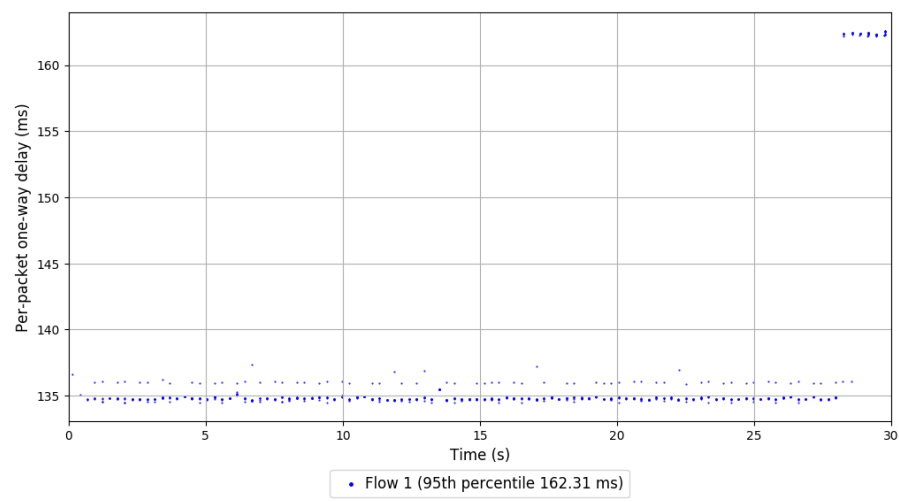
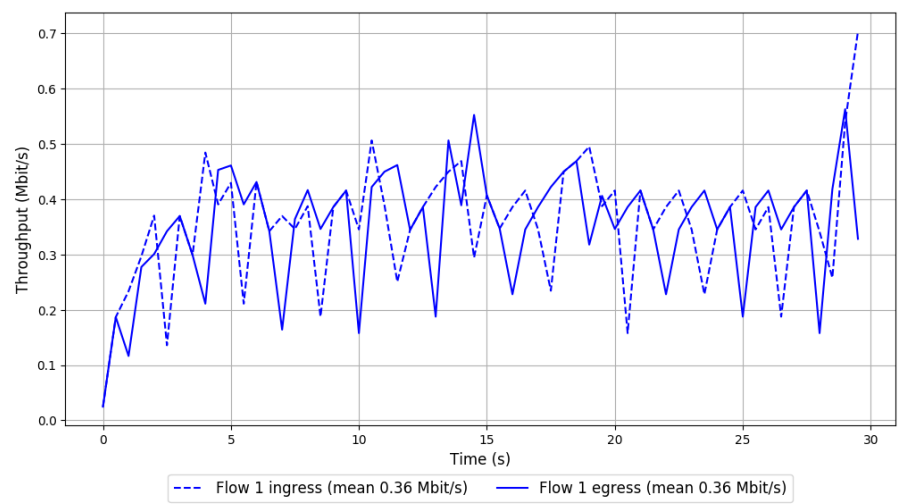
-- Flow 1:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 162.306 ms

Loss rate: 1.74%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-01-26 04:55:19

End at: 2018-01-26 04:55:49

Below is generated by plot.py at 2018-01-26 07:55:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.01 Mbit/s

95th percentile per-packet one-way delay: 162.634 ms

Loss rate: 1.90%

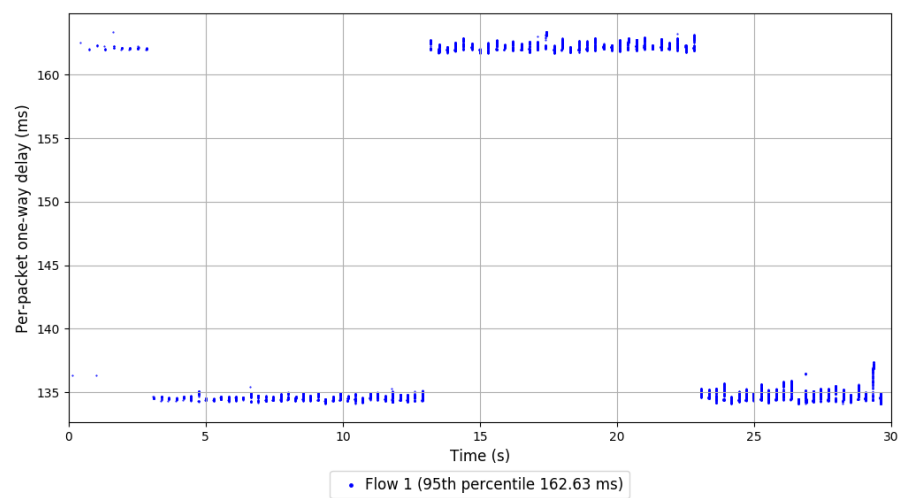
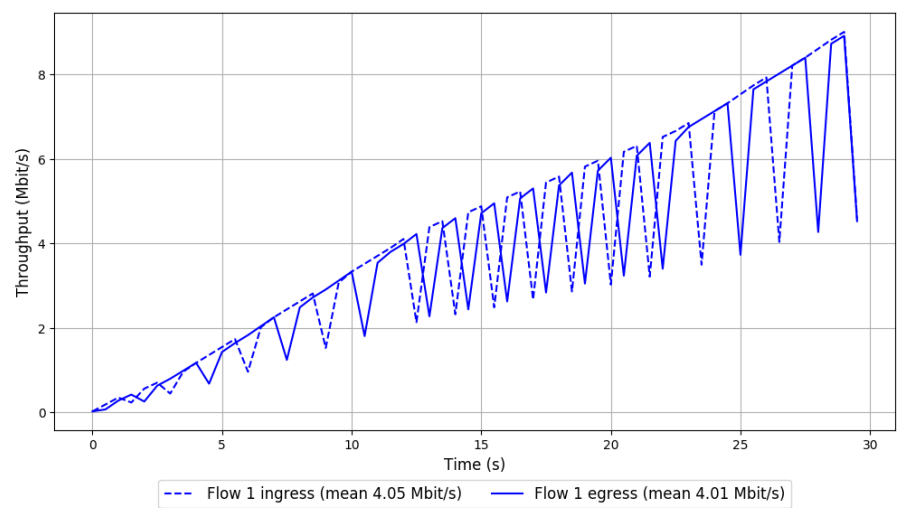
-- Flow 1:

Average throughput: 4.01 Mbit/s

95th percentile per-packet one-way delay: 162.634 ms

Loss rate: 1.90%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-01-26 05:08:14

End at: 2018-01-26 05:08:44

Below is generated by plot.py at 2018-01-26 07:55:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 162.148 ms

Loss rate: 2.89%

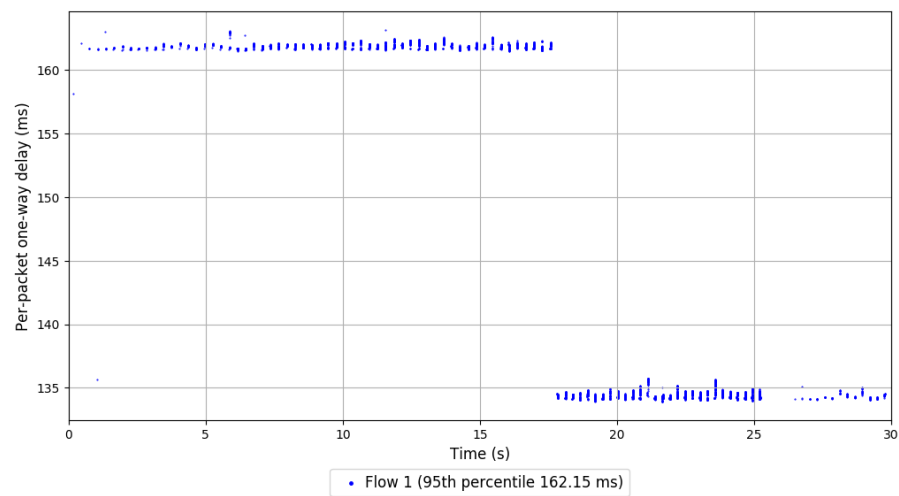
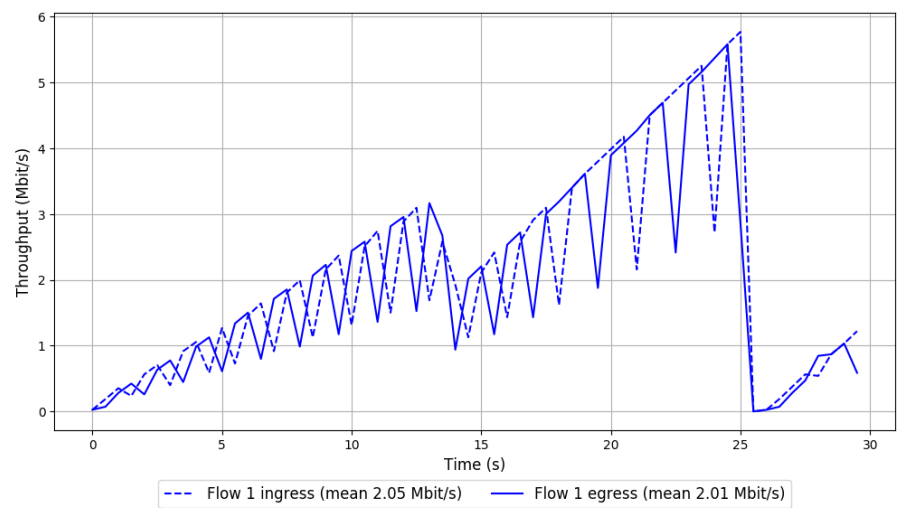
-- Flow 1:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 162.148 ms

Loss rate: 2.89%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-01-26 05:20:53

End at: 2018-01-26 05:21:23

Below is generated by plot.py at 2018-01-26 07:55:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.23 Mbit/s

95th percentile per-packet one-way delay: 134.887 ms

Loss rate: 0.48%

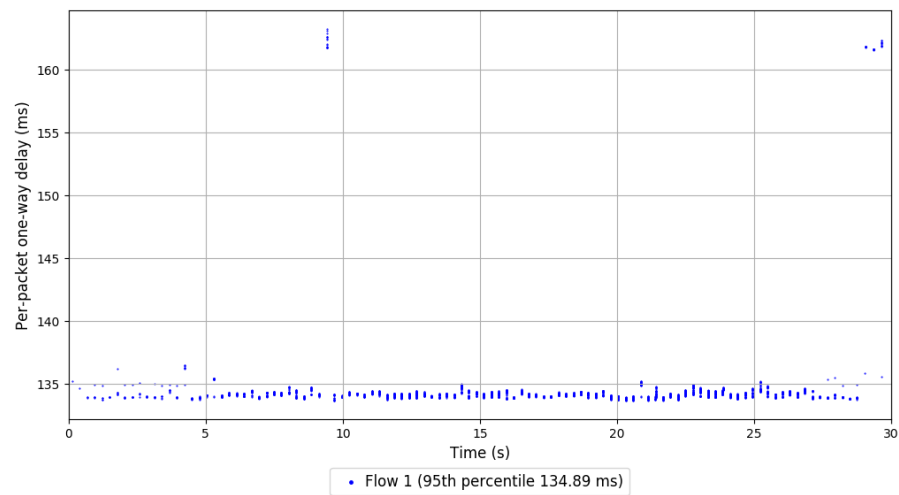
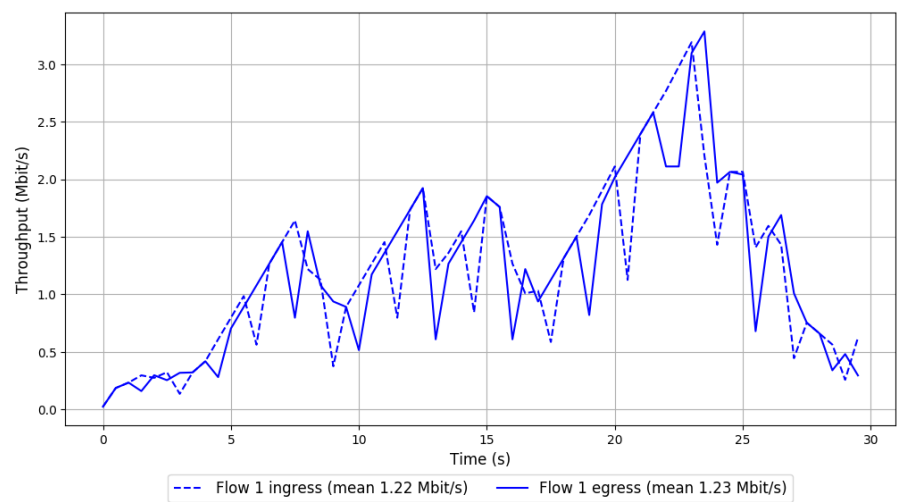
-- Flow 1:

Average throughput: 1.23 Mbit/s

95th percentile per-packet one-way delay: 134.887 ms

Loss rate: 0.48%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-01-26 05:33:52

End at: 2018-01-26 05:34:22

Below is generated by plot.py at 2018-01-26 07:55:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.10 Mbit/s

95th percentile per-packet one-way delay: 134.436 ms

Loss rate: 1.53%

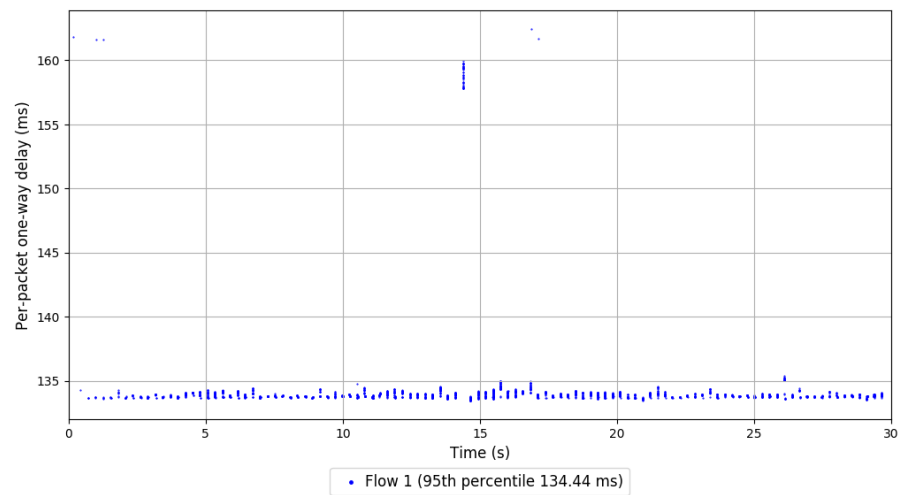
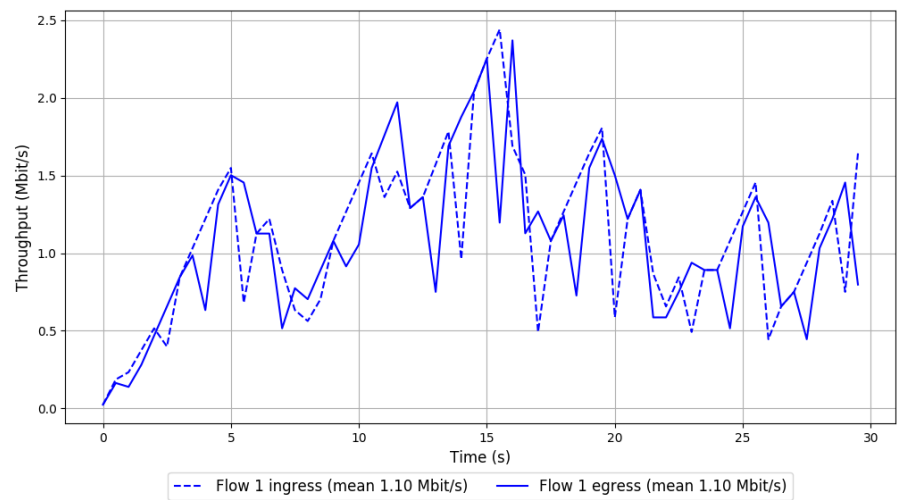
-- Flow 1:

Average throughput: 1.10 Mbit/s

95th percentile per-packet one-way delay: 134.436 ms

Loss rate: 1.53%

Run 10: Report of LEDBAT — Data Link

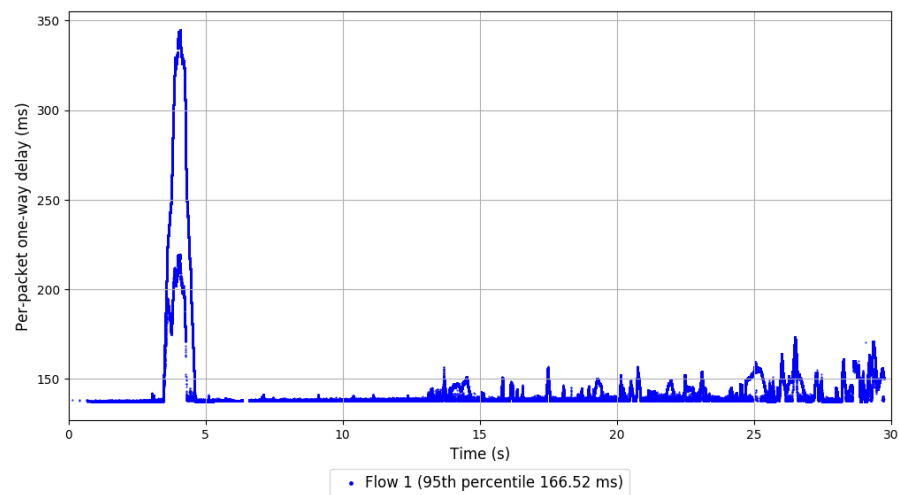
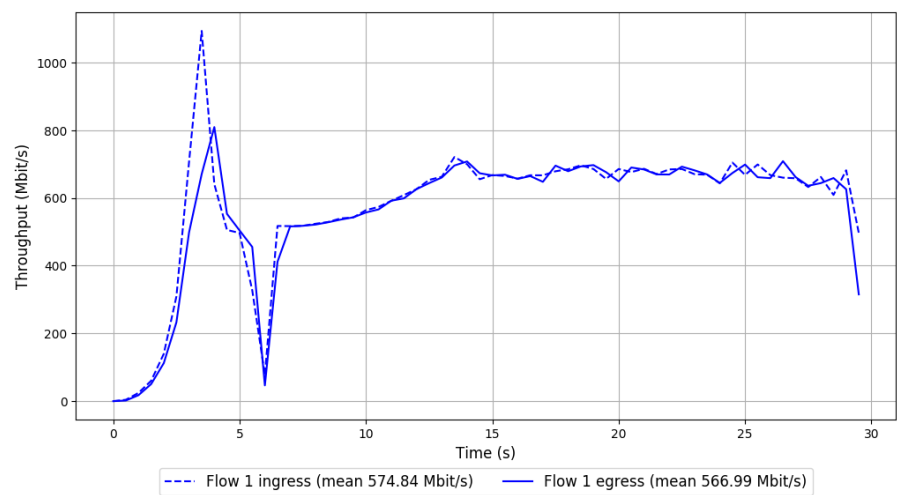


```
Run 1: Statistics of PCC

Start at: 2018-01-26 03:32:47
End at: 2018-01-26 03:33:17

# Below is generated by plot.py at 2018-01-26 08:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 566.99 Mbit/s
95th percentile per-packet one-way delay: 166.517 ms
Loss rate: 2.27%
-- Flow 1:
Average throughput: 566.99 Mbit/s
95th percentile per-packet one-way delay: 166.517 ms
Loss rate: 2.27%
```

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-01-26 03:45:53

End at: 2018-01-26 03:46:23

Below is generated by plot.py at 2018-01-26 08:05:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 474.85 Mbit/s

95th percentile per-packet one-way delay: 181.167 ms

Loss rate: 2.75%

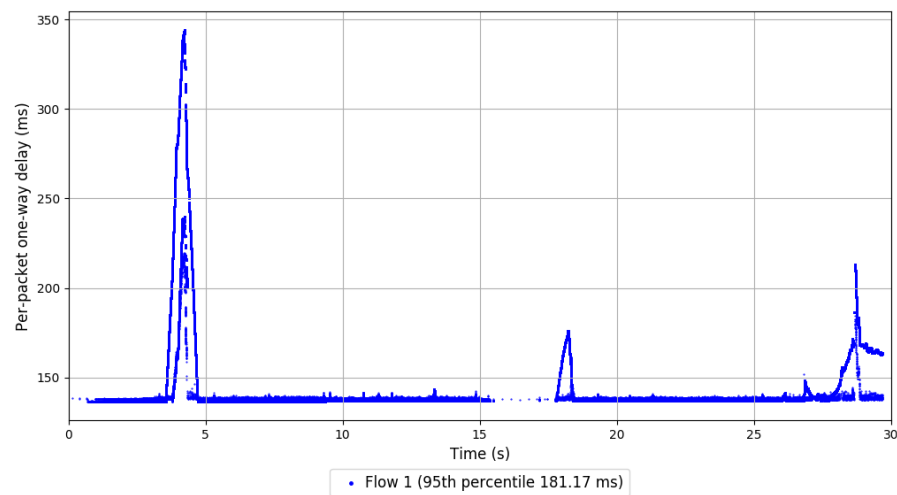
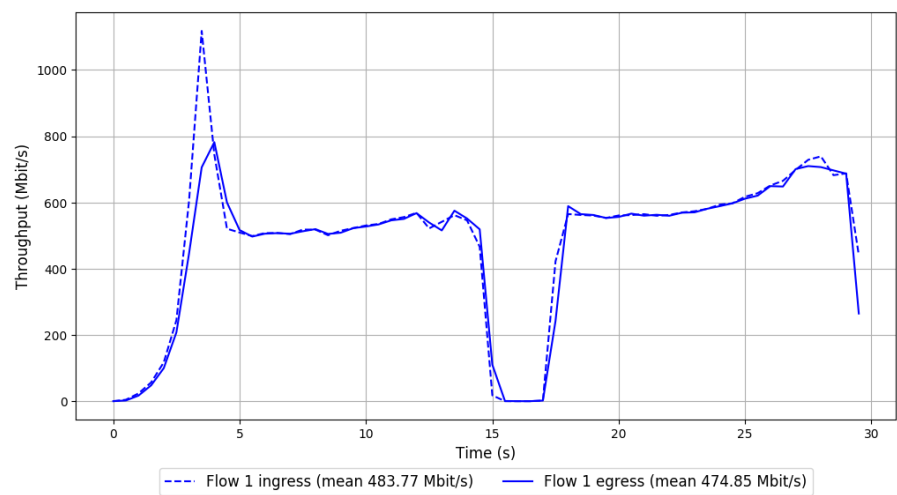
-- Flow 1:

Average throughput: 474.85 Mbit/s

95th percentile per-packet one-way delay: 181.167 ms

Loss rate: 2.75%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-01-26 03:58:50

End at: 2018-01-26 03:59:20

Below is generated by plot.py at 2018-01-26 08:05:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 573.01 Mbit/s

95th percentile per-packet one-way delay: 181.288 ms

Loss rate: 2.61%

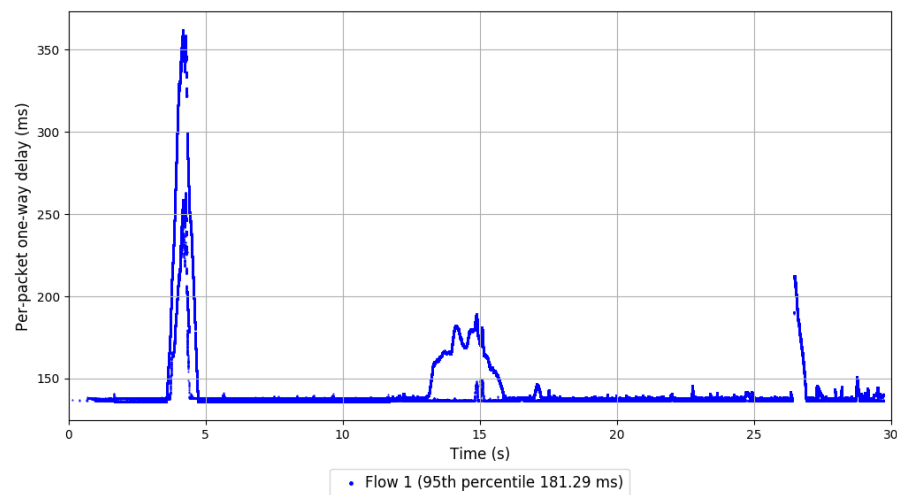
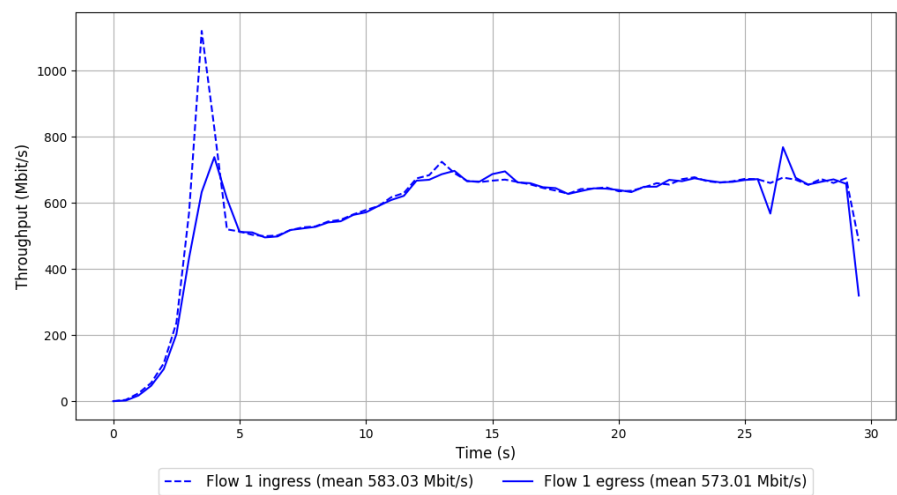
-- Flow 1:

Average throughput: 573.01 Mbit/s

95th percentile per-packet one-way delay: 181.288 ms

Loss rate: 2.61%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-01-26 04:12:09

End at: 2018-01-26 04:12:39

Below is generated by plot.py at 2018-01-26 08:05:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 427.13 Mbit/s

95th percentile per-packet one-way delay: 149.948 ms

Loss rate: 1.14%

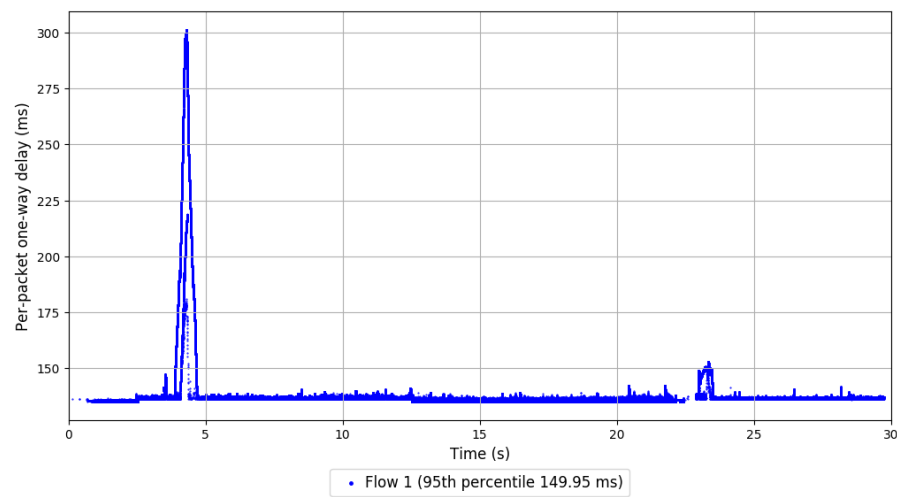
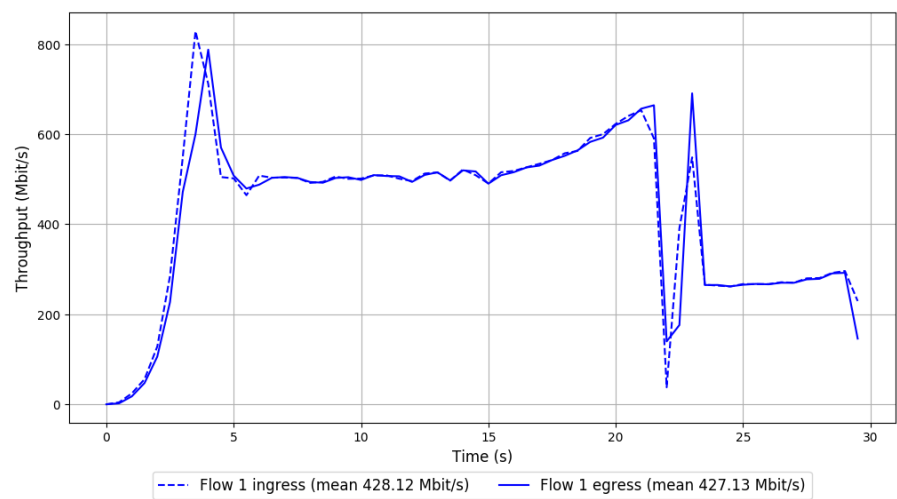
-- Flow 1:

Average throughput: 427.13 Mbit/s

95th percentile per-packet one-way delay: 149.948 ms

Loss rate: 1.14%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-01-26 04:24:56

End at: 2018-01-26 04:25:26

Below is generated by plot.py at 2018-01-26 08:05:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 519.50 Mbit/s

95th percentile per-packet one-way delay: 198.541 ms

Loss rate: 1.95%

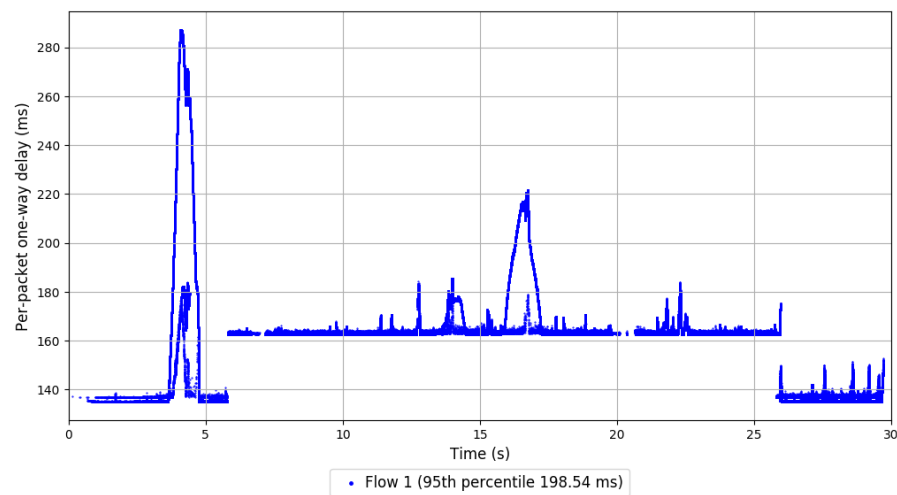
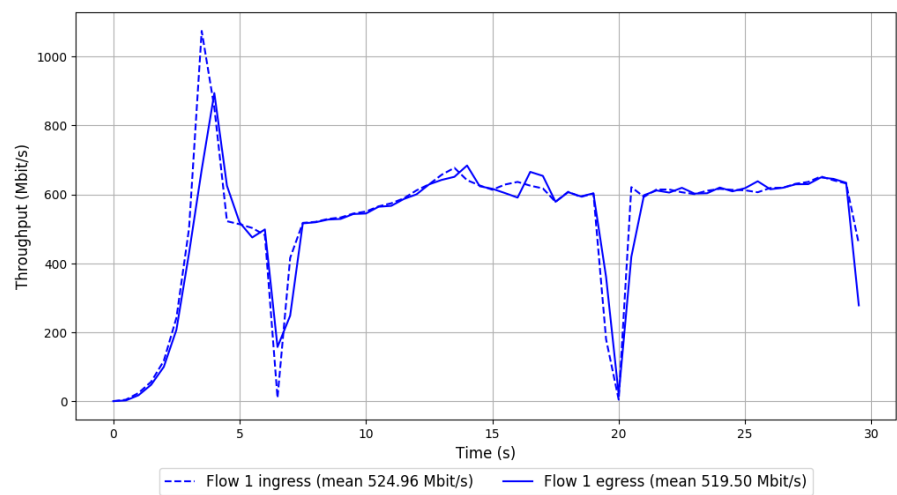
-- Flow 1:

Average throughput: 519.50 Mbit/s

95th percentile per-packet one-way delay: 198.541 ms

Loss rate: 1.95%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-01-26 04:37:44

End at: 2018-01-26 04:38:14

Below is generated by plot.py at 2018-01-26 08:05:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 555.78 Mbit/s

95th percentile per-packet one-way delay: 232.224 ms

Loss rate: 2.62%

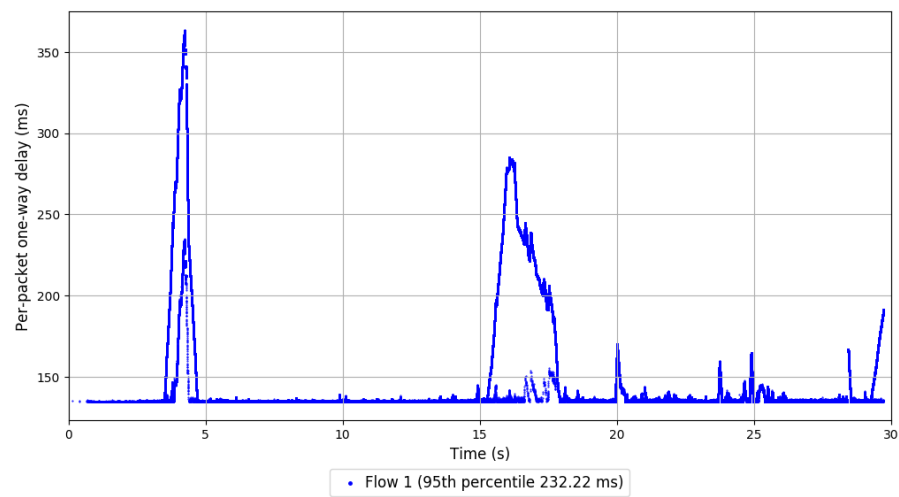
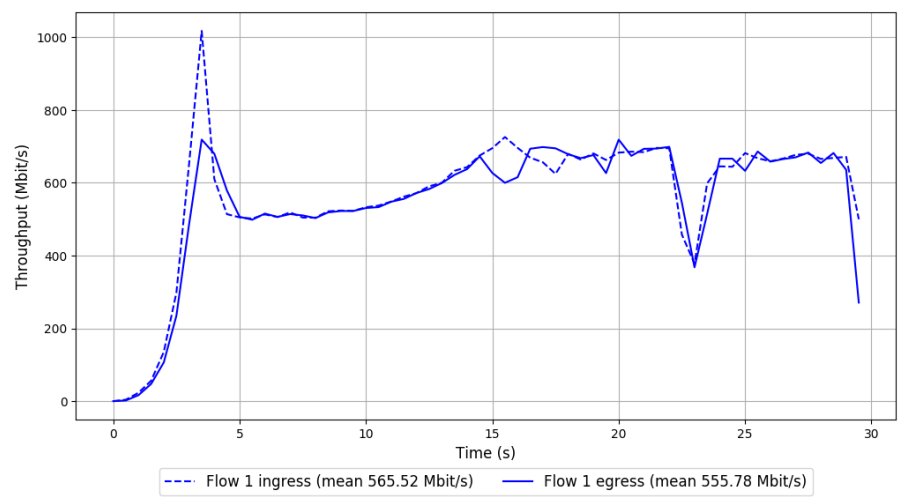
-- Flow 1:

Average throughput: 555.78 Mbit/s

95th percentile per-packet one-way delay: 232.224 ms

Loss rate: 2.62%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-01-26 04:50:37

End at: 2018-01-26 04:51:07

Below is generated by plot.py at 2018-01-26 08:05:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.30 Mbit/s

95th percentile per-packet one-way delay: 162.199 ms

Loss rate: 1.47%

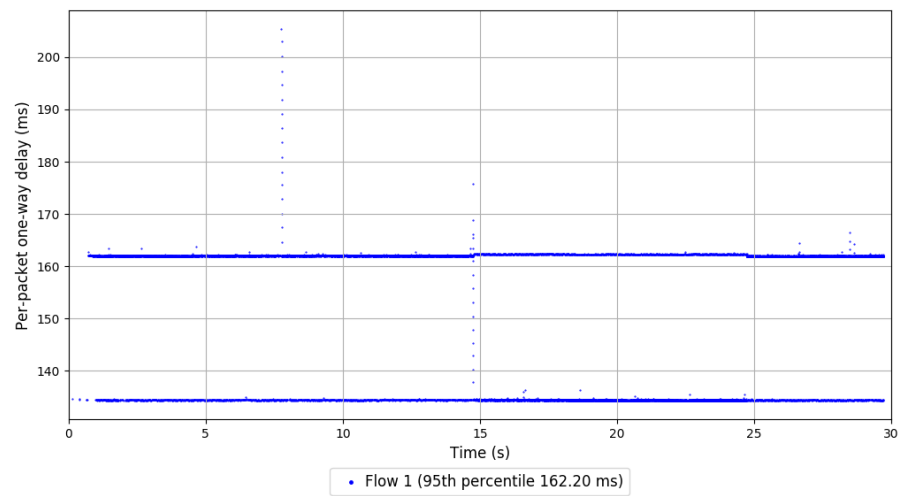
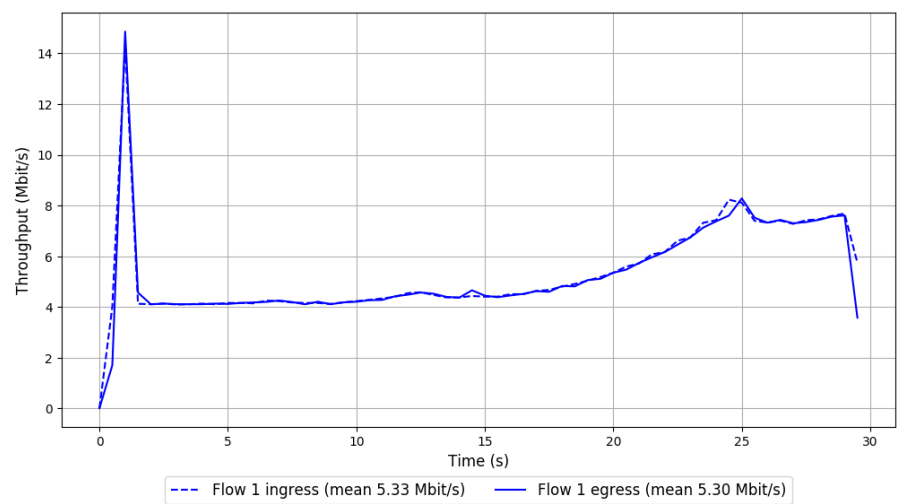
-- Flow 1:

Average throughput: 5.30 Mbit/s

95th percentile per-packet one-way delay: 162.199 ms

Loss rate: 1.47%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-01-26 05:03:17

End at: 2018-01-26 05:03:48

Below is generated by plot.py at 2018-01-26 08:05:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 267.94 Mbit/s

95th percentile per-packet one-way delay: 180.868 ms

Loss rate: 2.15%

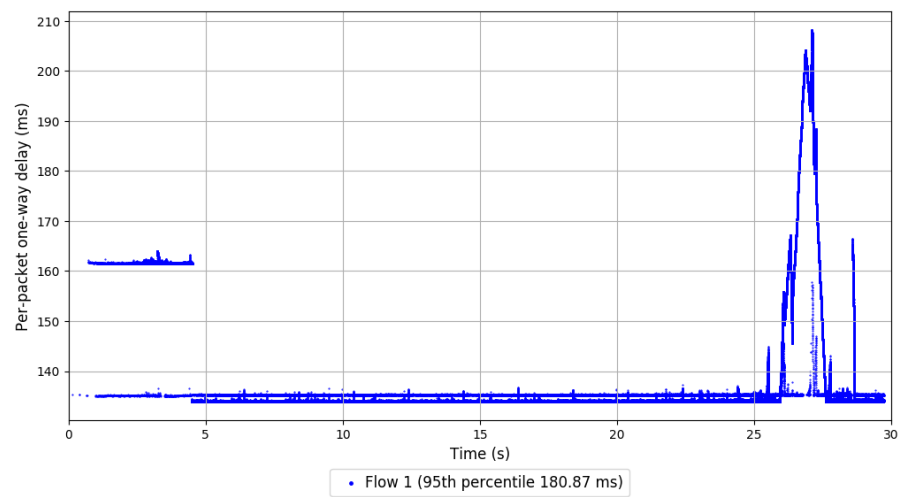
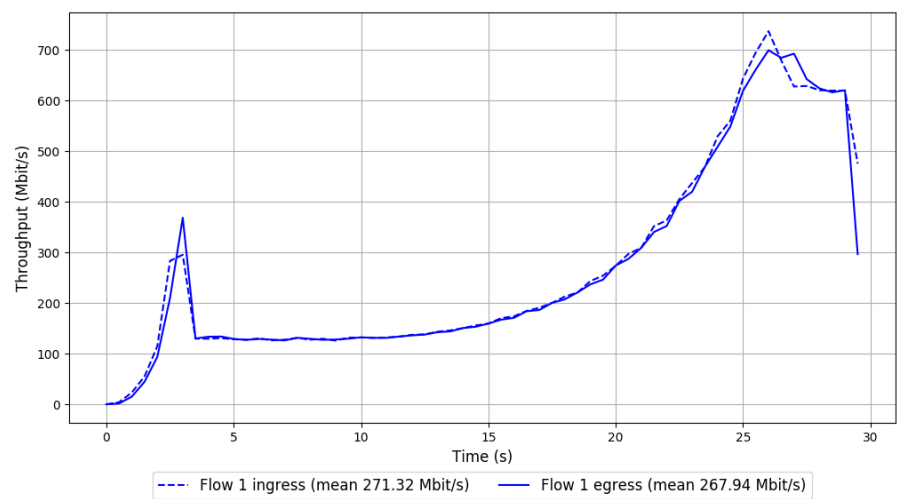
-- Flow 1:

Average throughput: 267.94 Mbit/s

95th percentile per-packet one-way delay: 180.868 ms

Loss rate: 2.15%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-01-26 05:16:08

End at: 2018-01-26 05:16:38

Below is generated by plot.py at 2018-01-26 08:05:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.46 Mbit/s

95th percentile per-packet one-way delay: 161.775 ms

Loss rate: 1.17%

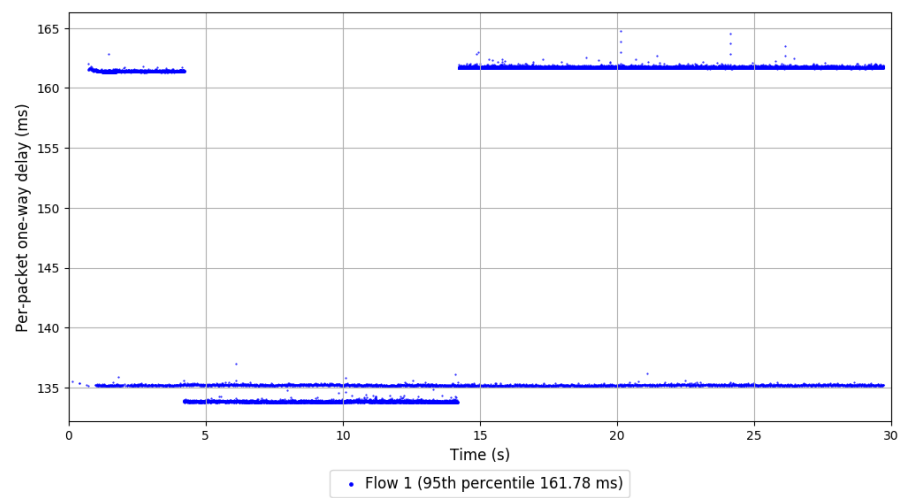
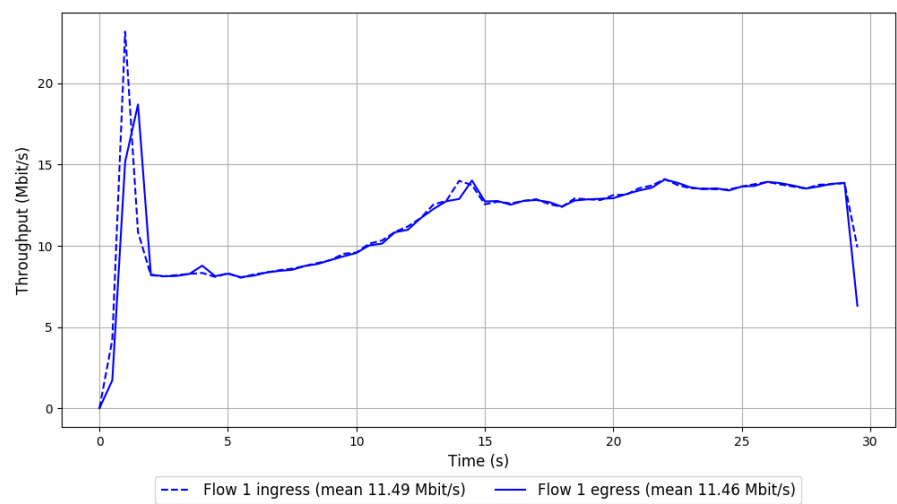
-- Flow 1:

Average throughput: 11.46 Mbit/s

95th percentile per-packet one-way delay: 161.775 ms

Loss rate: 1.17%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-01-26 05:28:51

End at: 2018-01-26 05:29:21

Below is generated by plot.py at 2018-01-26 08:05:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 386.20 Mbit/s

95th percentile per-packet one-way delay: 182.880 ms

Loss rate: 2.71%

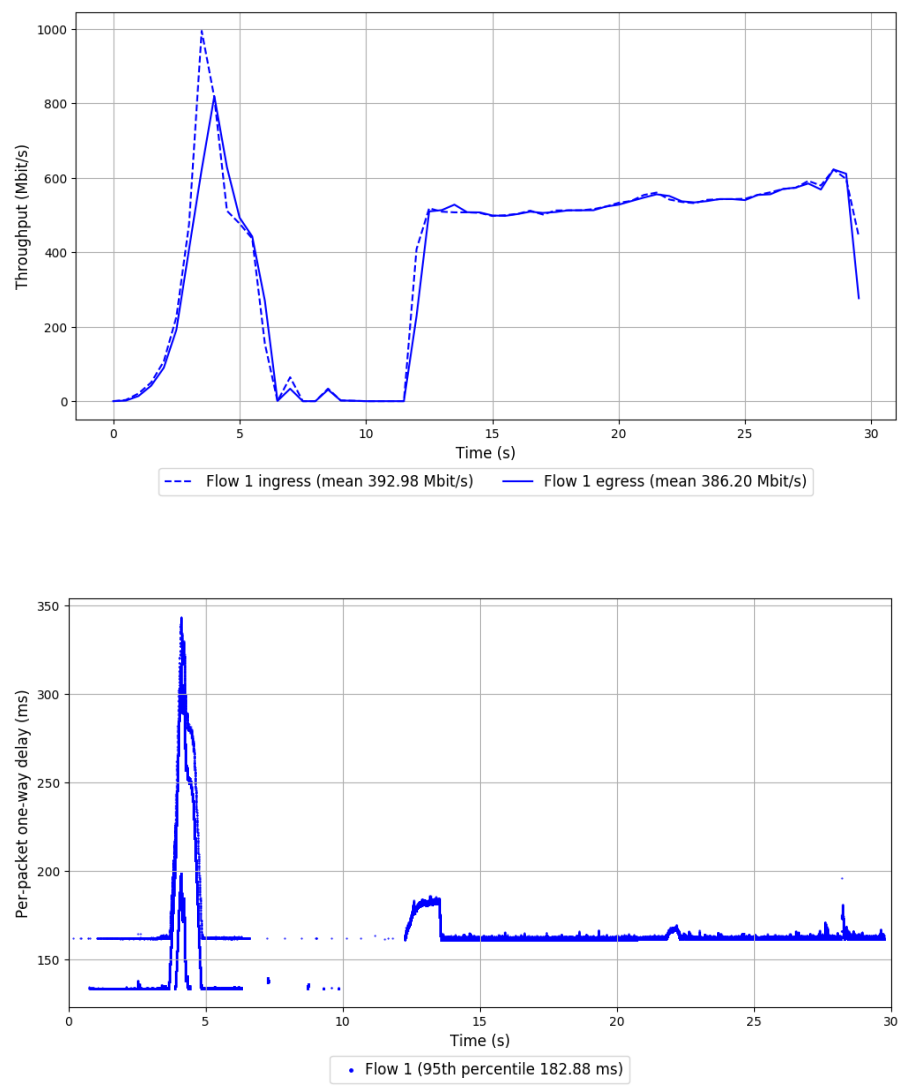
-- Flow 1:

Average throughput: 386.20 Mbit/s

95th percentile per-packet one-way delay: 182.880 ms

Loss rate: 2.71%

Run 10: Report of PCC — Data Link

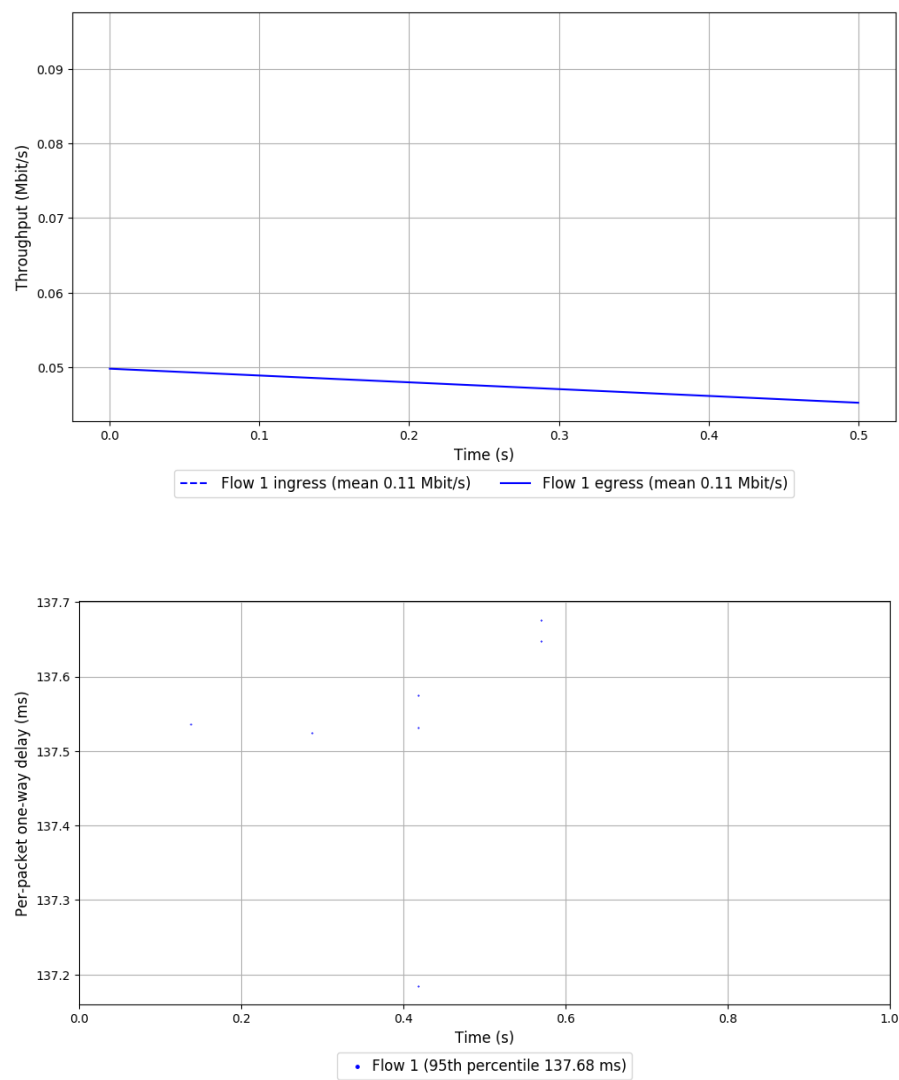


Run 1: Statistics of QUIC Cubic

Start at: 2018-01-26 03:39:30

End at: 2018-01-26 03:40:00

Run 1: Report of QUIC Cubic — Data Link

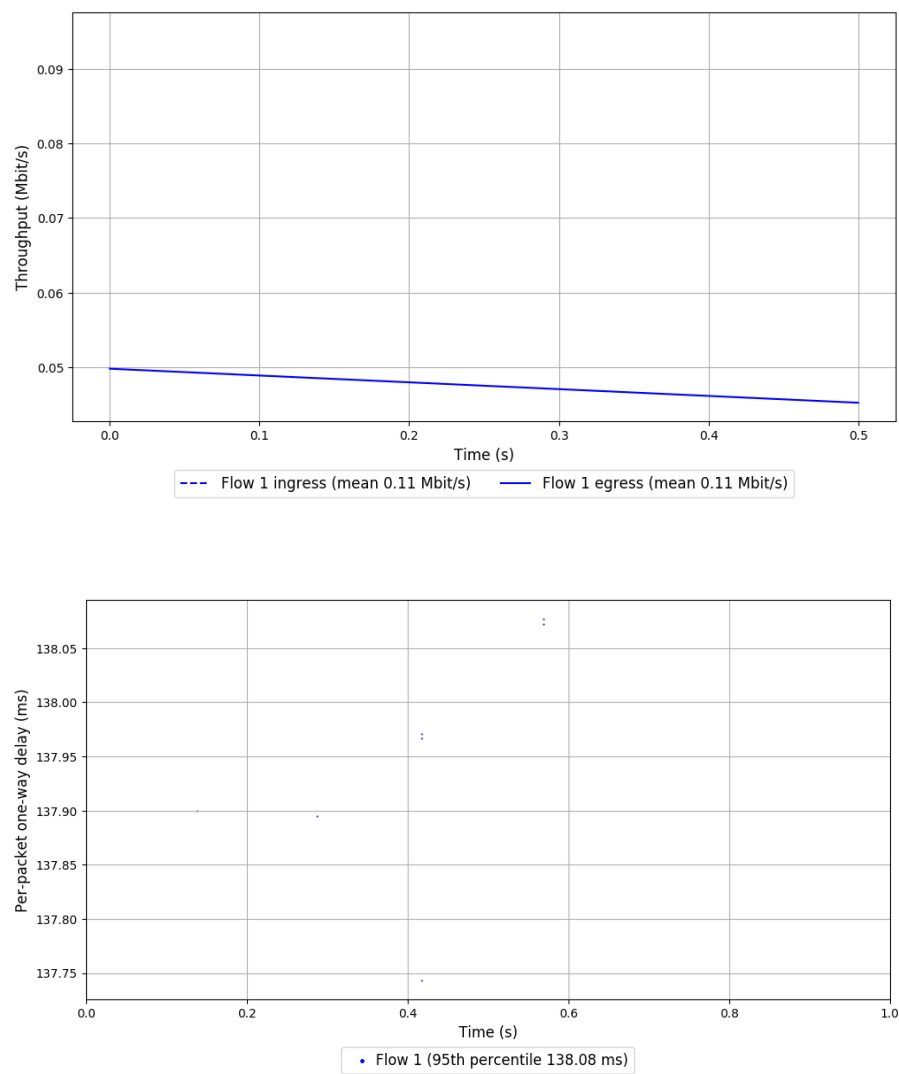


Run 2: Statistics of QUIC Cubic

Start at: 2018-01-26 03:52:33

End at: 2018-01-26 03:53:03

Run 2: Report of QUIC Cubic — Data Link

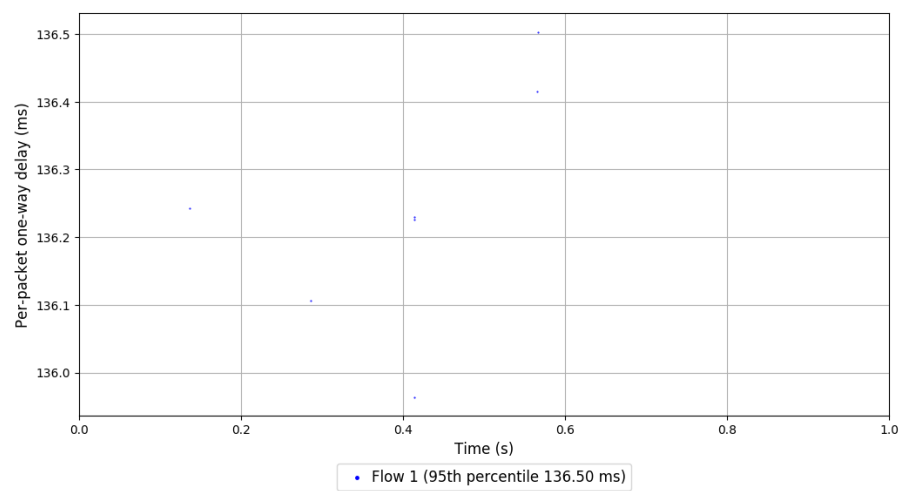
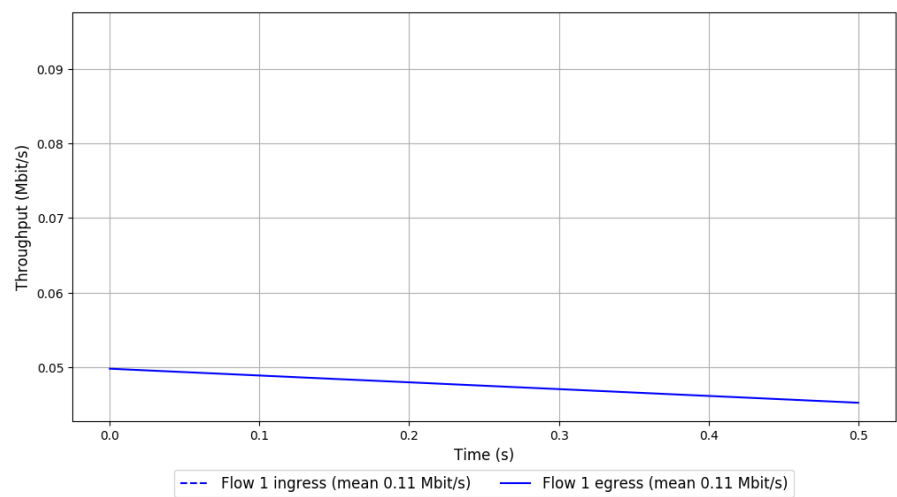


Run 3: Statistics of QUIC Cubic

Start at: 2018-01-26 04:05:33

End at: 2018-01-26 04:06:03

Run 3: Report of QUIC Cubic — Data Link

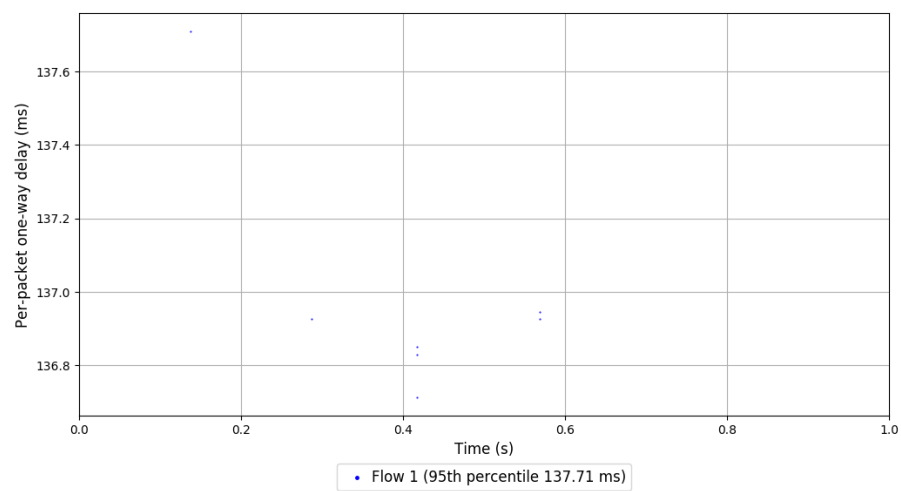
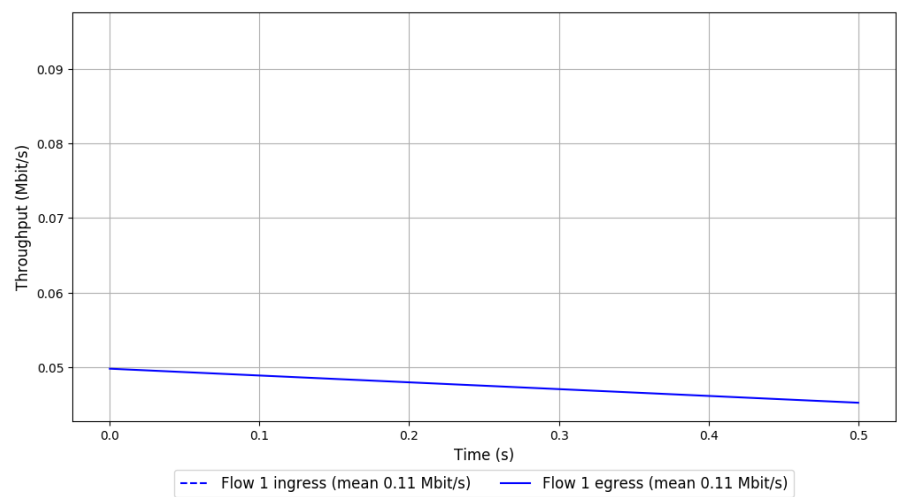


Run 4: Statistics of QUIC Cubic

Start at: 2018-01-26 04:18:45

End at: 2018-01-26 04:19:15

Run 4: Report of QUIC Cubic — Data Link

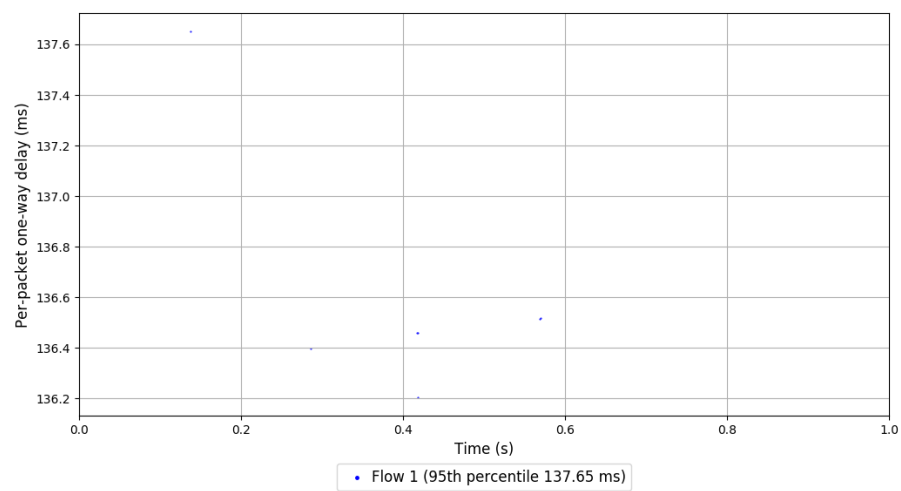
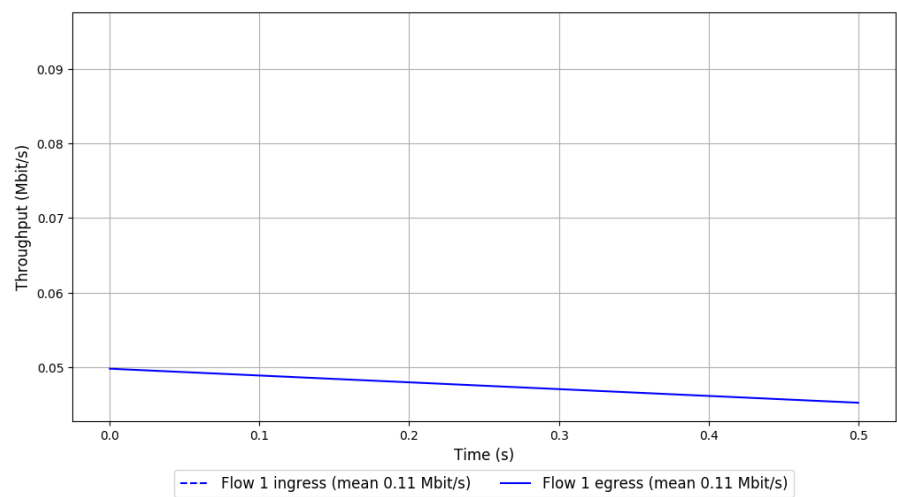


Run 5: Statistics of QUIC Cubic

Start at: 2018-01-26 04:31:29

End at: 2018-01-26 04:31:59

Run 5: Report of QUIC Cubic — Data Link

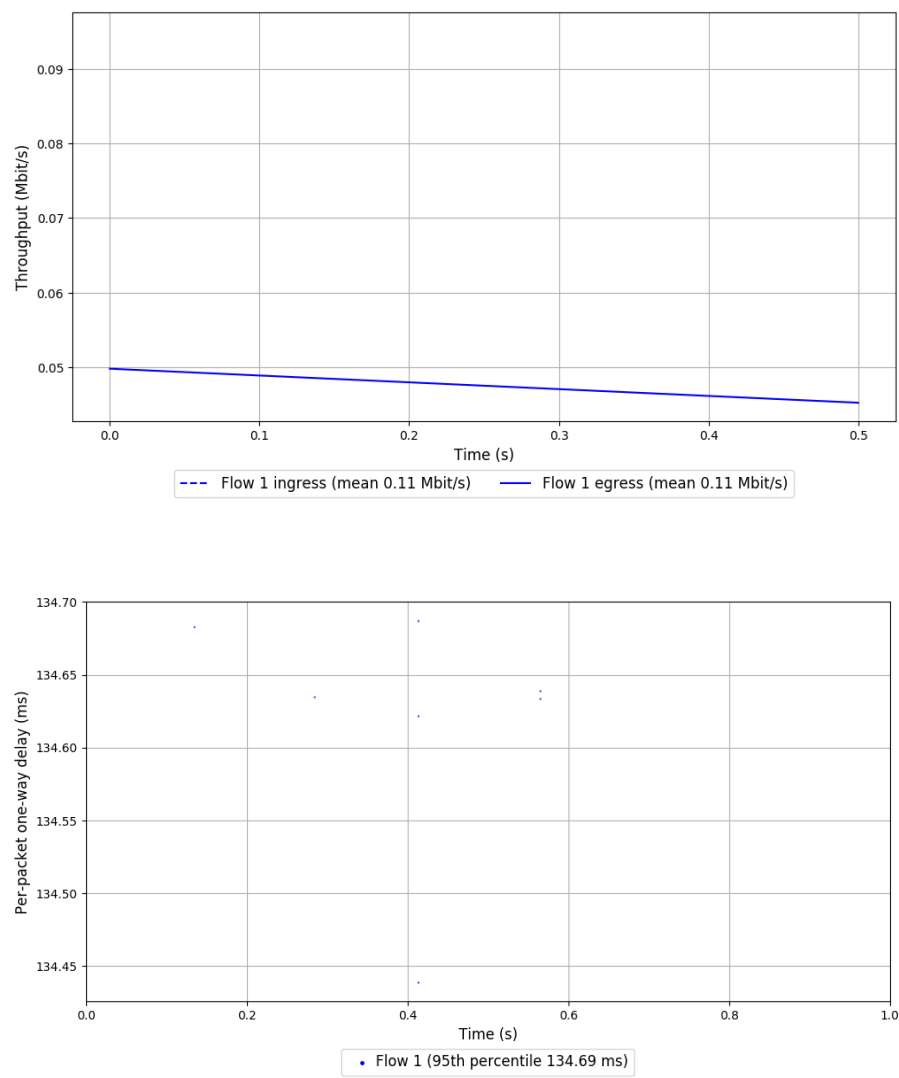


Run 6: Statistics of QUIC Cubic

Start at: 2018-01-26 04:44:26

End at: 2018-01-26 04:44:56

Run 6: Report of QUIC Cubic — Data Link

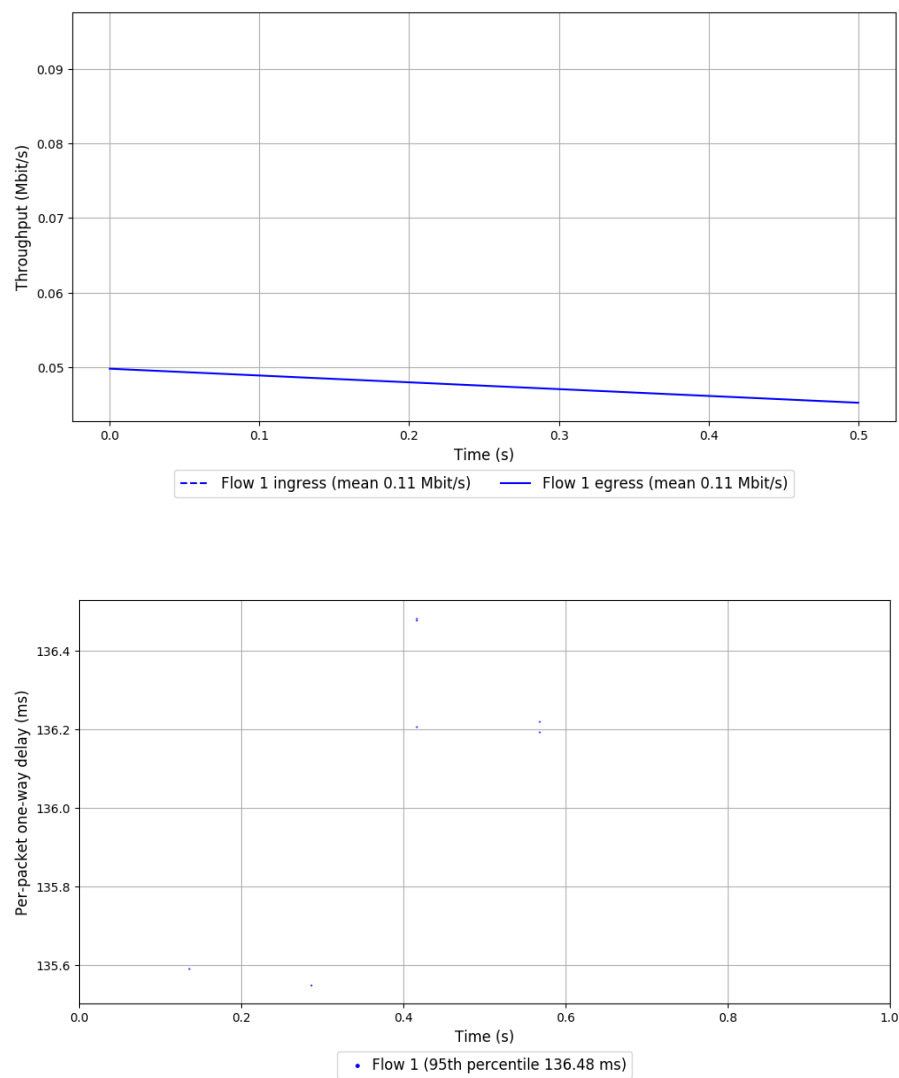


Run 7: Statistics of QUIC Cubic

Start at: 2018-01-26 04:56:52

End at: 2018-01-26 04:57:22

Run 7: Report of QUIC Cubic — Data Link

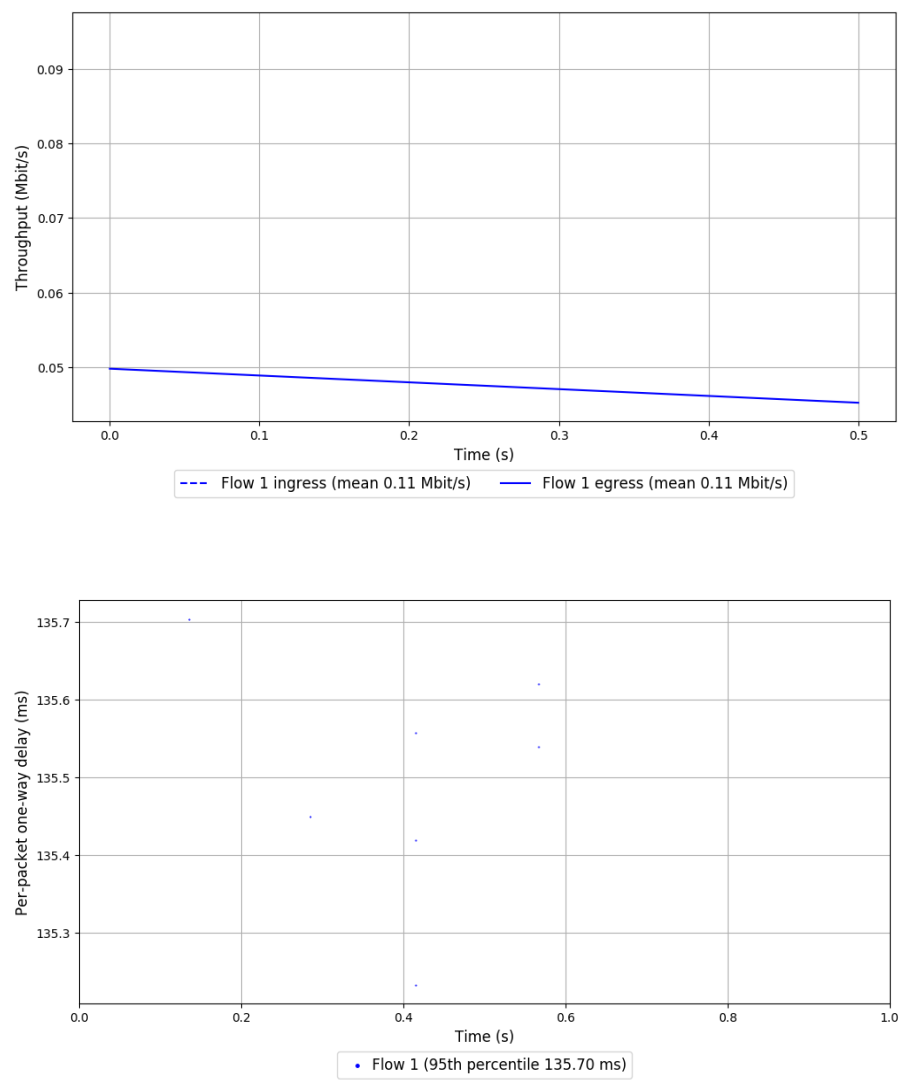


Run 8: Statistics of QUIC Cubic

Start at: 2018-01-26 05:09:43

End at: 2018-01-26 05:10:13

Run 8: Report of QUIC Cubic — Data Link

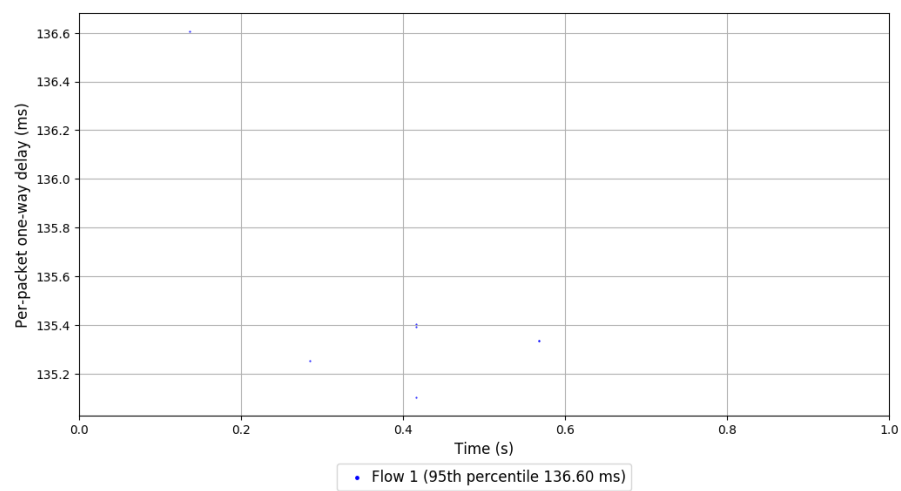
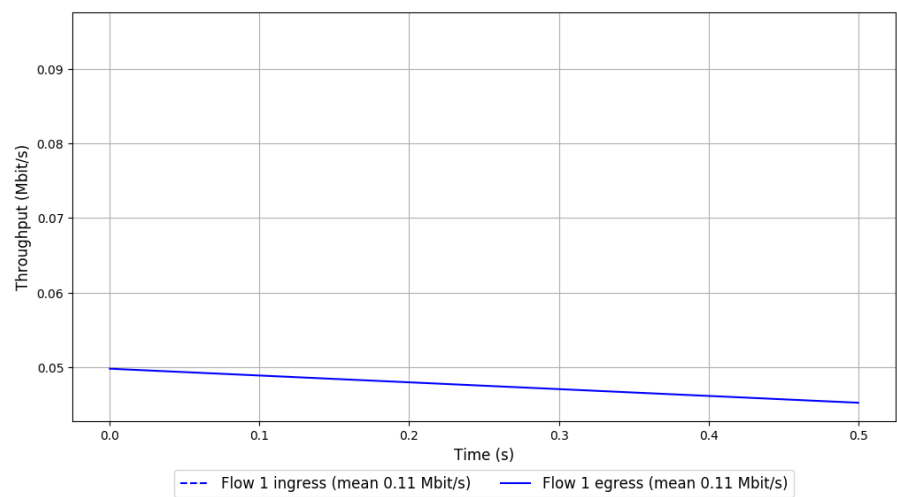


Run 9: Statistics of QUIC Cubic

Start at: 2018-01-26 05:22:22

End at: 2018-01-26 05:22:52

Run 9: Report of QUIC Cubic — Data Link

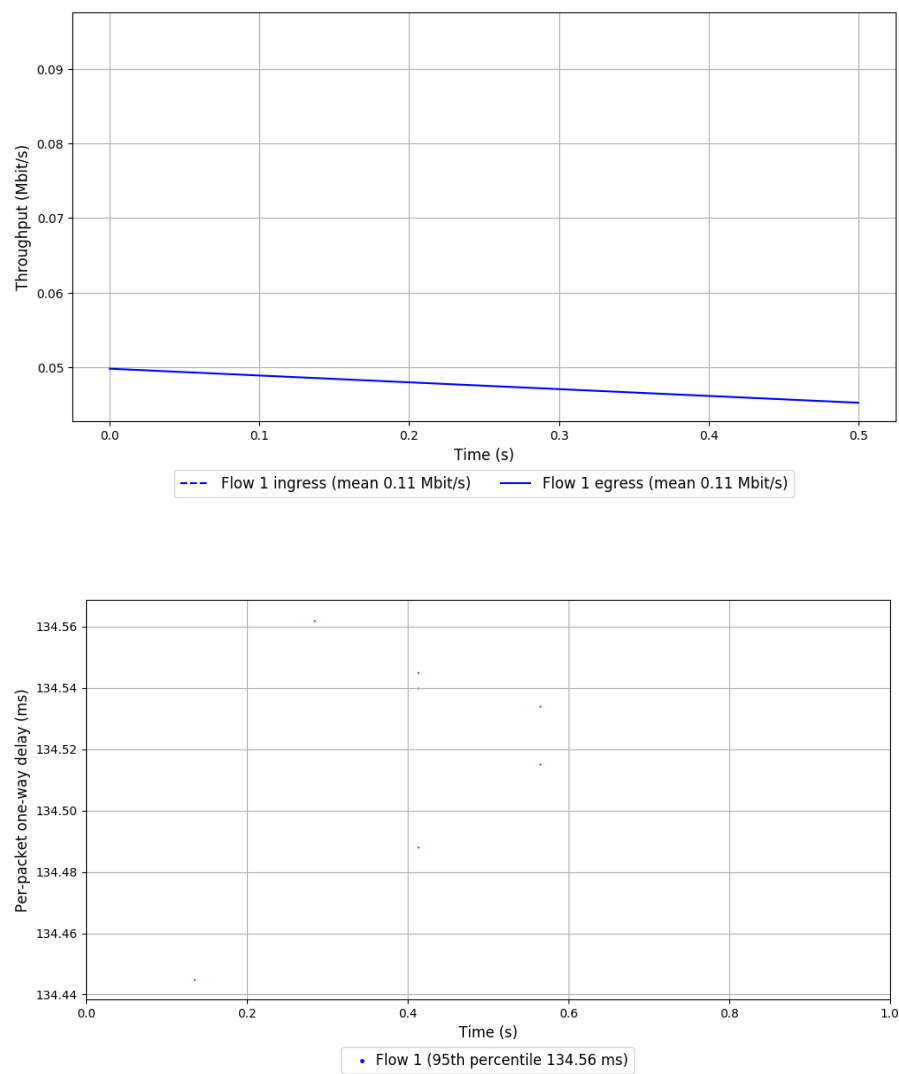


Run 10: Statistics of QUIC Cubic

Start at: 2018-01-26 05:35:18

End at: 2018-01-26 05:35:48

Run 10: Report of QUIC Cubic — Data Link

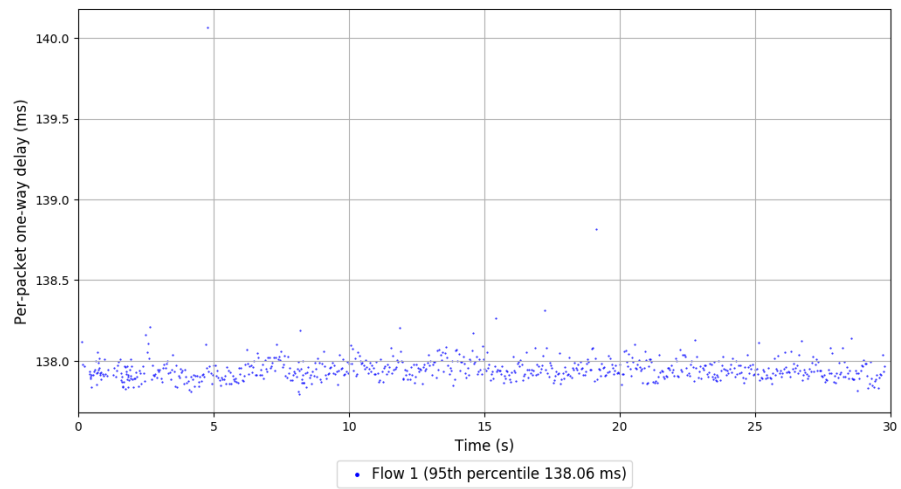
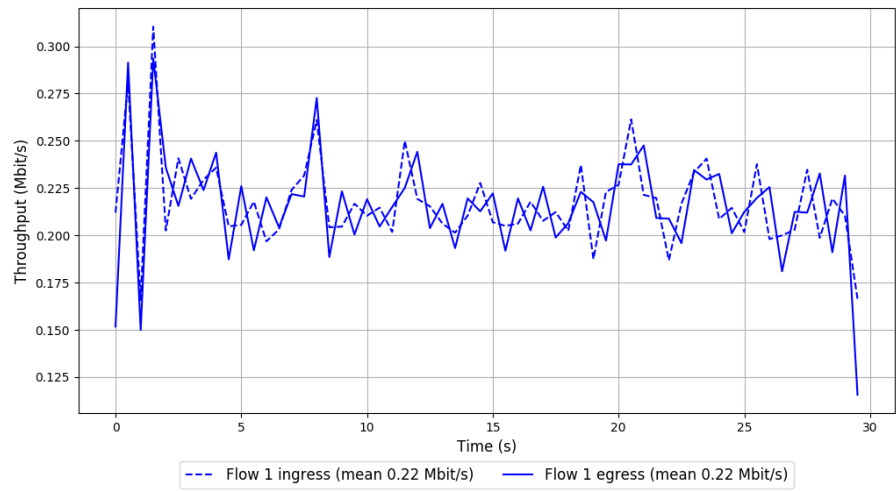


```
Run 1: Statistics of SCReAM

Start at: 2018-01-26 03:33:54
End at: 2018-01-26 03:34:24

# Below is generated by plot.py at 2018-01-26 08:05:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 138.060 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 138.060 ms
Loss rate: 0.77%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-01-26 03:46:56

End at: 2018-01-26 03:47:26

Below is generated by plot.py at 2018-01-26 08:05:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 138.565 ms

Loss rate: 0.89%

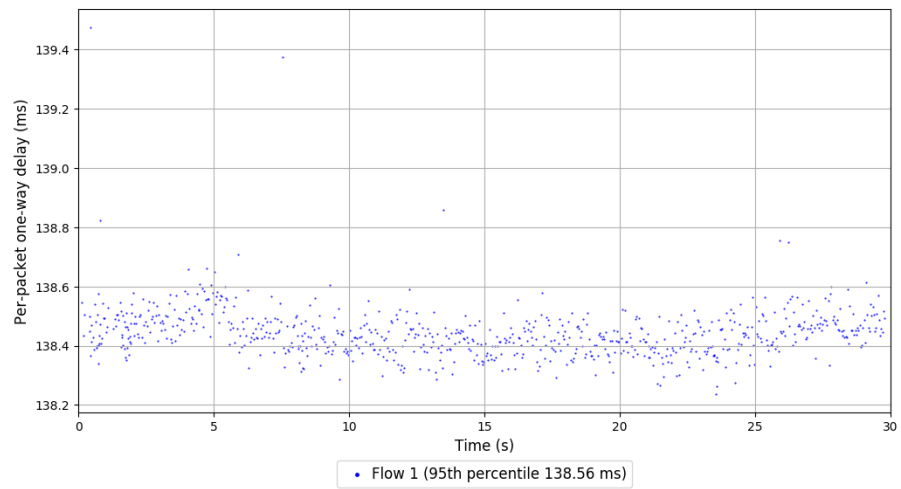
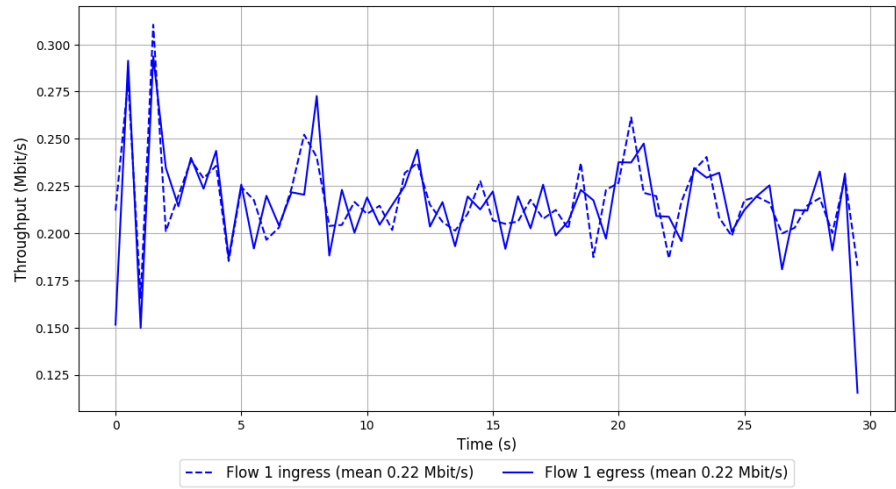
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 138.565 ms

Loss rate: 0.89%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-01-26 03:59:57

End at: 2018-01-26 04:00:27

Below is generated by plot.py at 2018-01-26 08:05:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.807 ms

Loss rate: 0.89%

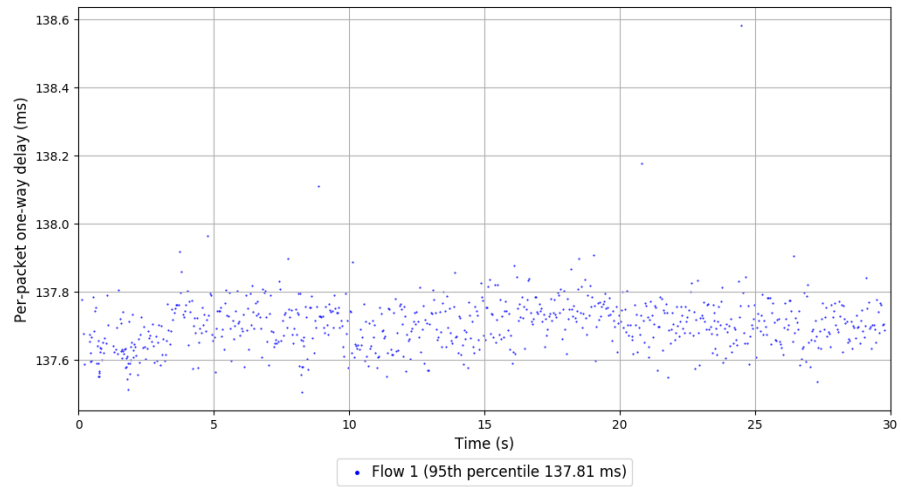
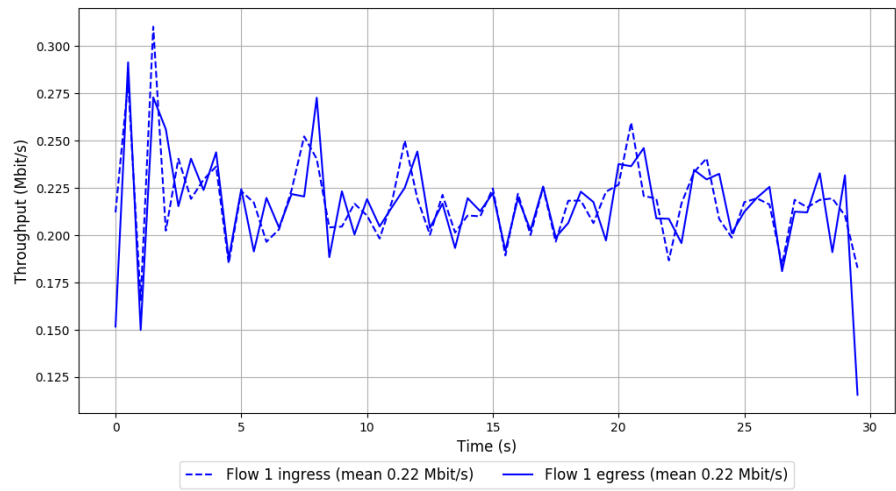
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.807 ms

Loss rate: 0.89%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-01-26 04:13:11

End at: 2018-01-26 04:13:41

Below is generated by plot.py at 2018-01-26 08:05:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.187 ms

Loss rate: 0.89%

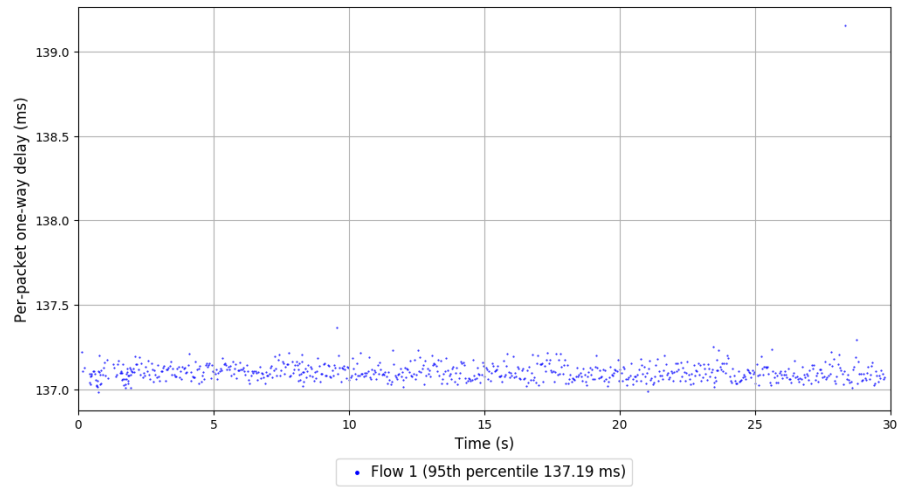
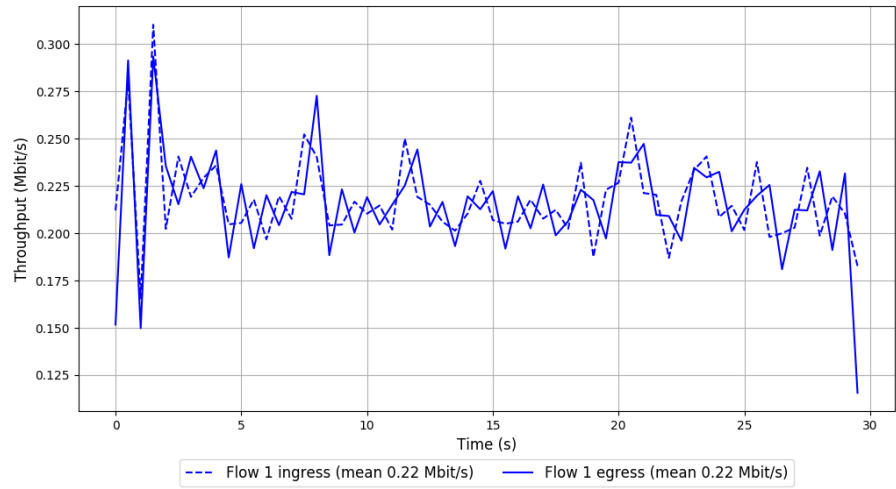
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.187 ms

Loss rate: 0.89%

Run 4: Report of SReAM — Data Link

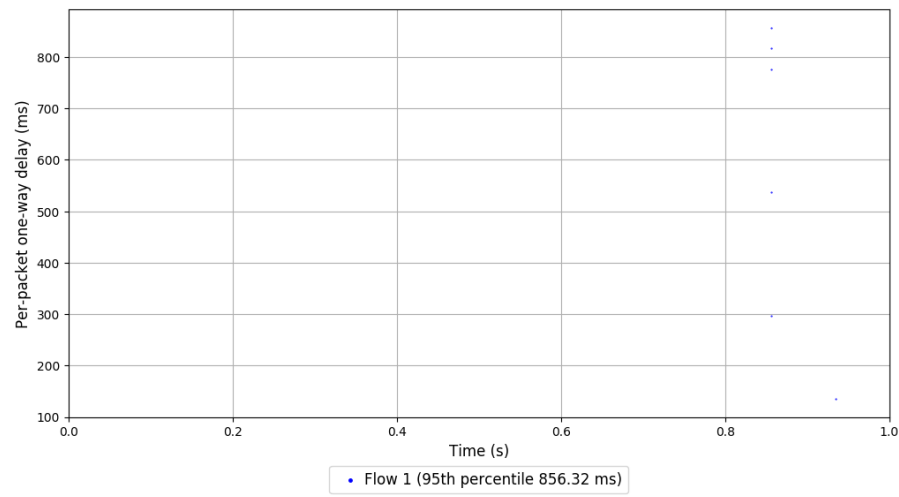
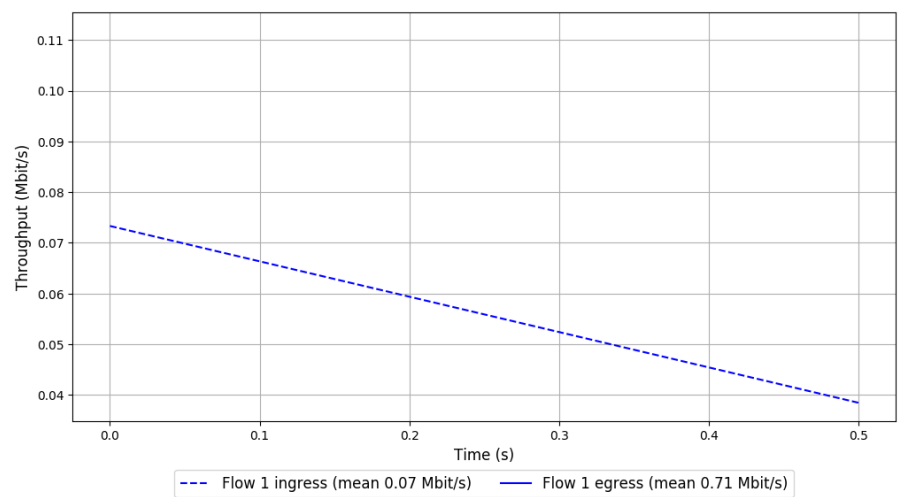


Run 5: Statistics of SReAM

Start at: 2018-01-26 04:26:02

End at: 2018-01-26 04:26:33

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-01-26 04:38:52

End at: 2018-01-26 04:39:22

Below is generated by plot.py at 2018-01-26 08:05:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 162.820 ms

Loss rate: 1.03%

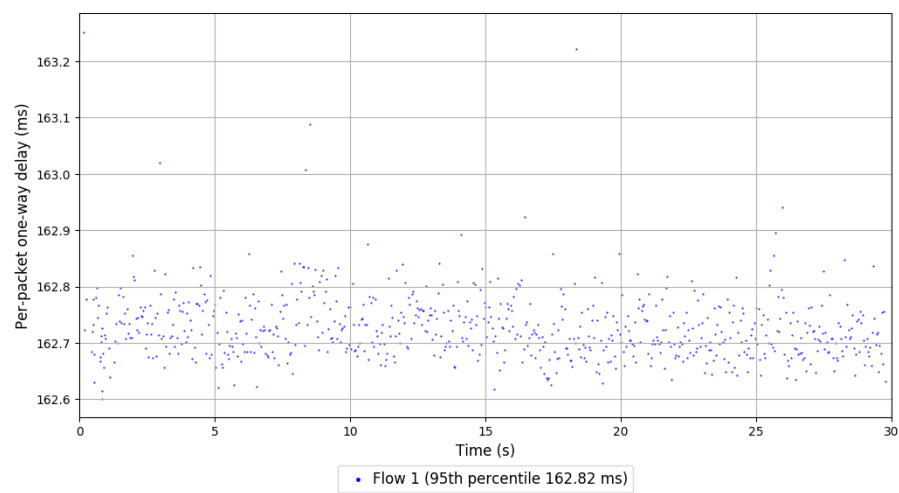
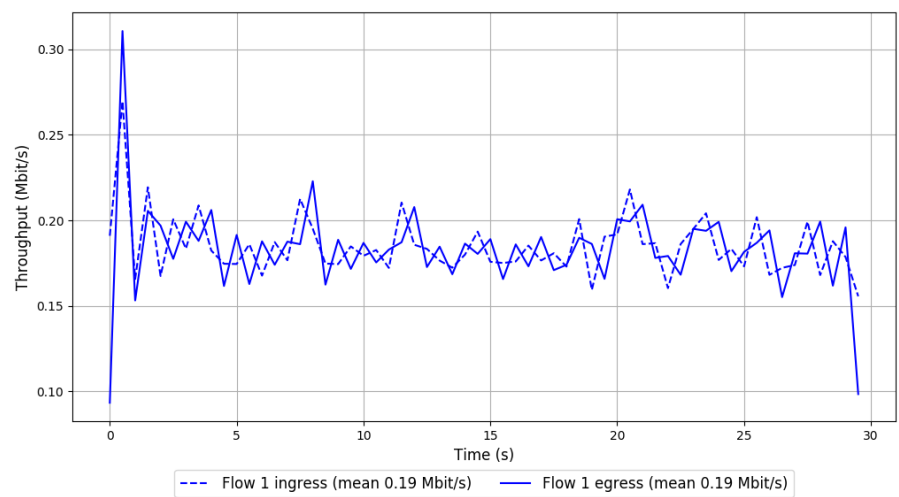
-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 162.820 ms

Loss rate: 1.03%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-01-26 04:51:20

End at: 2018-01-26 04:51:50

Below is generated by plot.py at 2018-01-26 08:05:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.273 ms

Loss rate: 0.89%

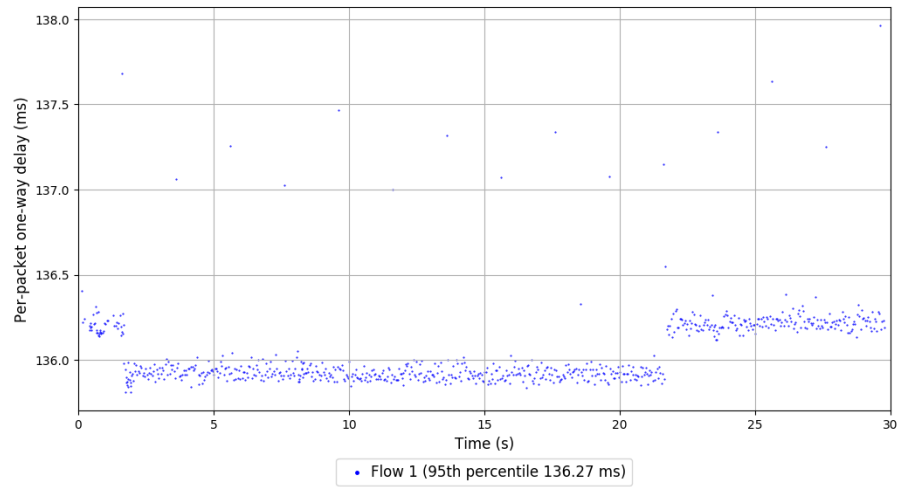
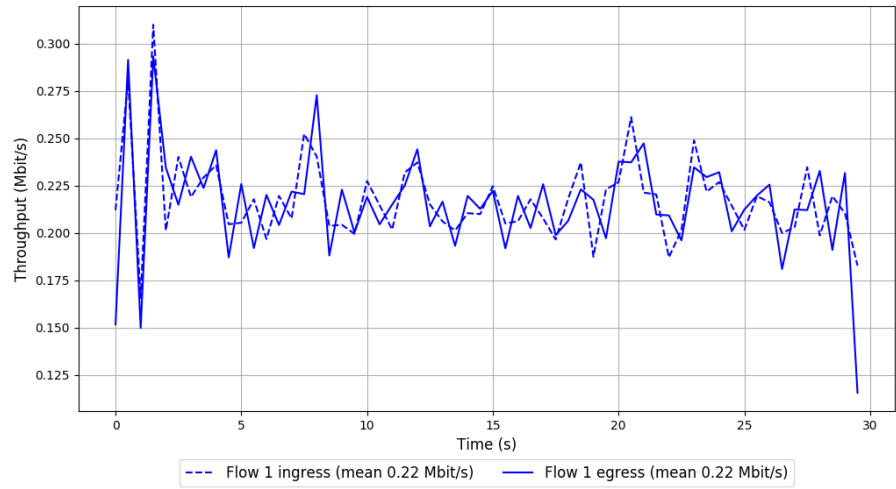
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.273 ms

Loss rate: 0.89%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-01-26 05:04:13

End at: 2018-01-26 05:04:43

Below is generated by plot.py at 2018-01-26 08:05:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.530 ms

Loss rate: 0.89%

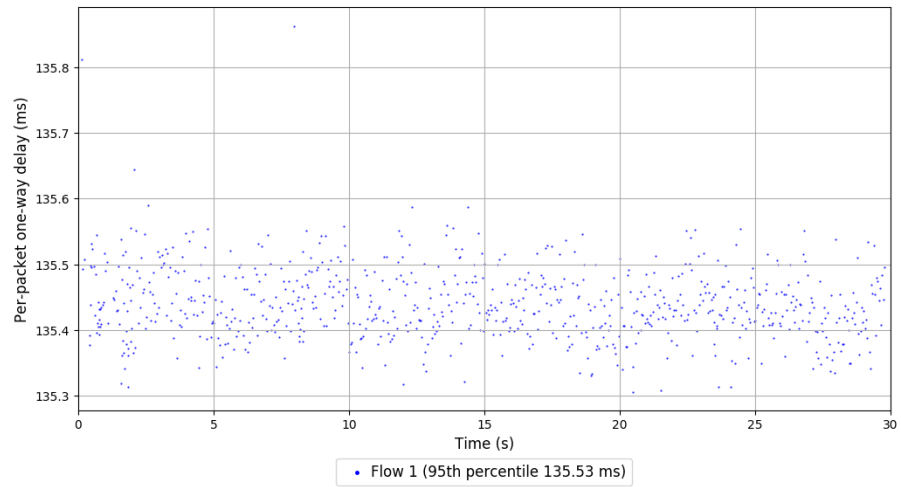
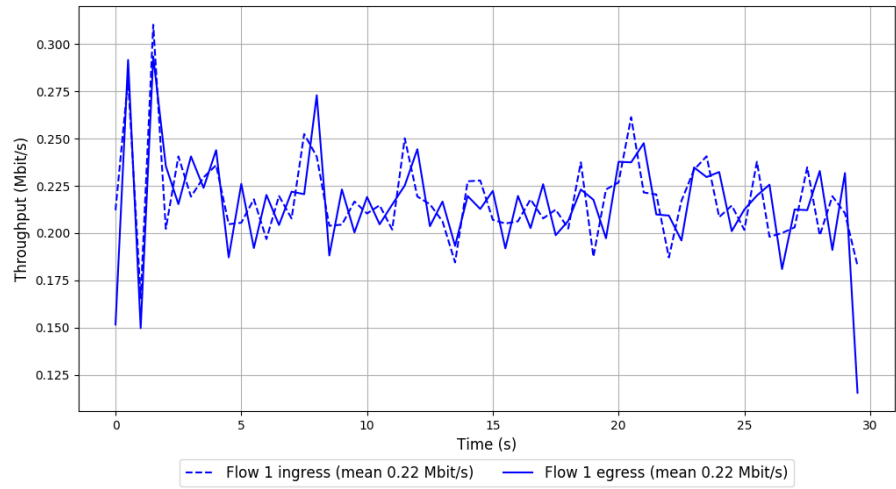
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.530 ms

Loss rate: 0.89%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-01-26 05:16:52

End at: 2018-01-26 05:17:22

Below is generated by plot.py at 2018-01-26 08:05:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 162.338 ms

Loss rate: 0.84%

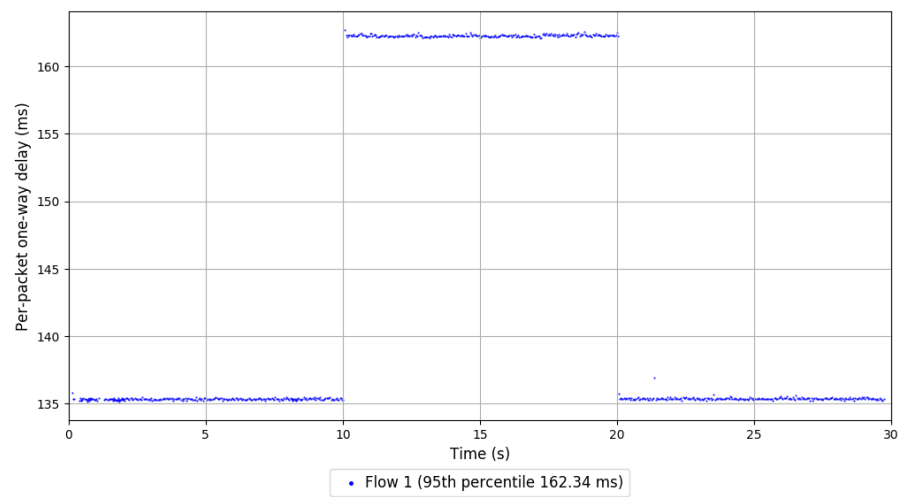
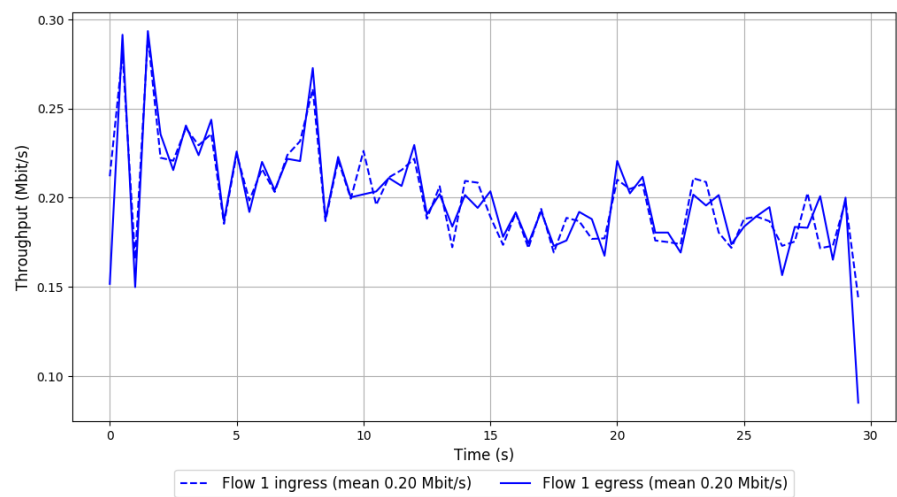
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 162.338 ms

Loss rate: 0.84%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-01-26 05:29:52

End at: 2018-01-26 05:30:22

Below is generated by plot.py at 2018-01-26 08:05:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 134.161 ms

Loss rate: 0.89%

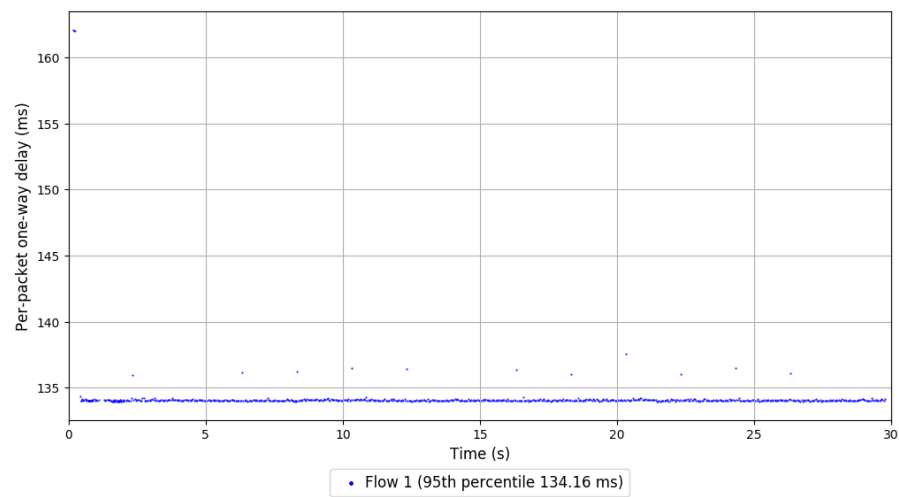
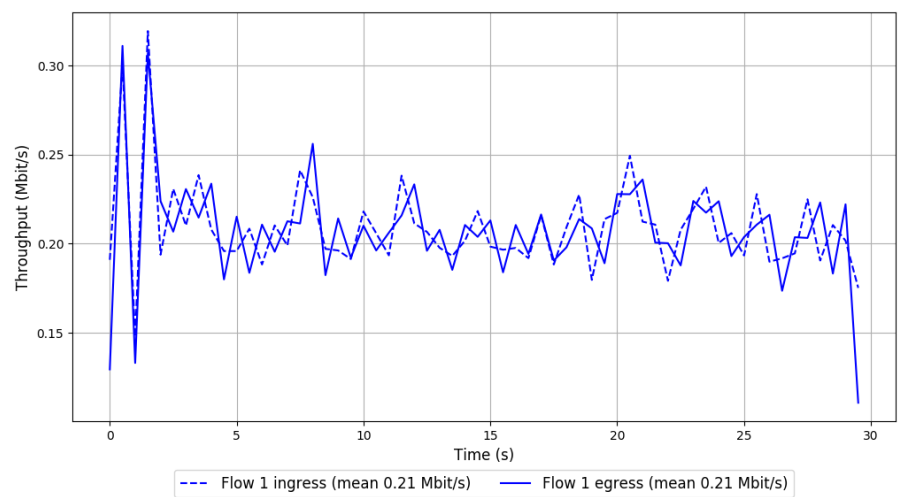
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 134.161 ms

Loss rate: 0.89%

Run 10: Report of SReAM — Data Link

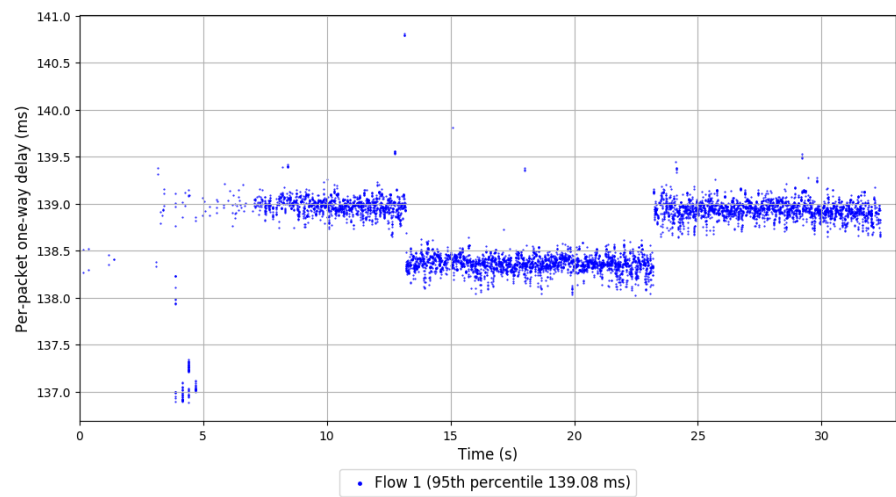
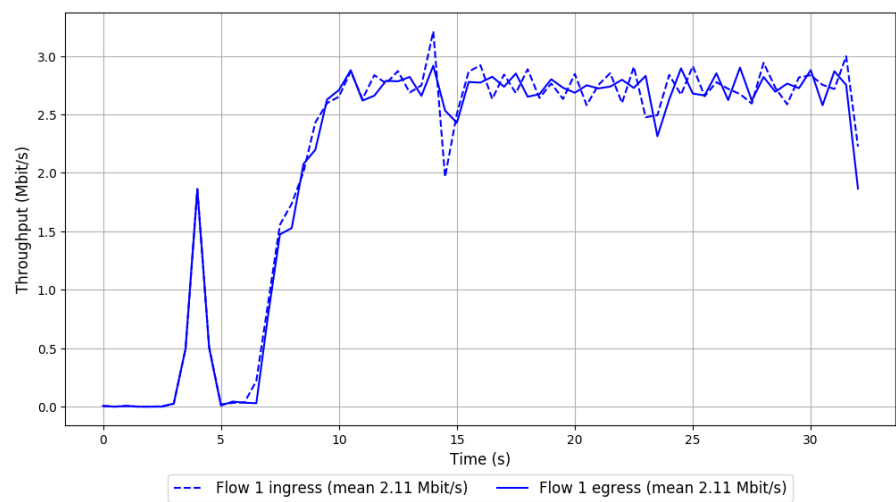


```
Run 1: Statistics of WebRTC media

Start at: 2018-01-26 03:40:11
End at: 2018-01-26 03:40:41

# Below is generated by plot.py at 2018-01-26 08:05:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 139.076 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 139.076 ms
Loss rate: 0.95%
```


Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-01-26 03:53:15

End at: 2018-01-26 03:53:45

Below is generated by plot.py at 2018-01-26 08:05:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 136.808 ms

Loss rate: 1.01%

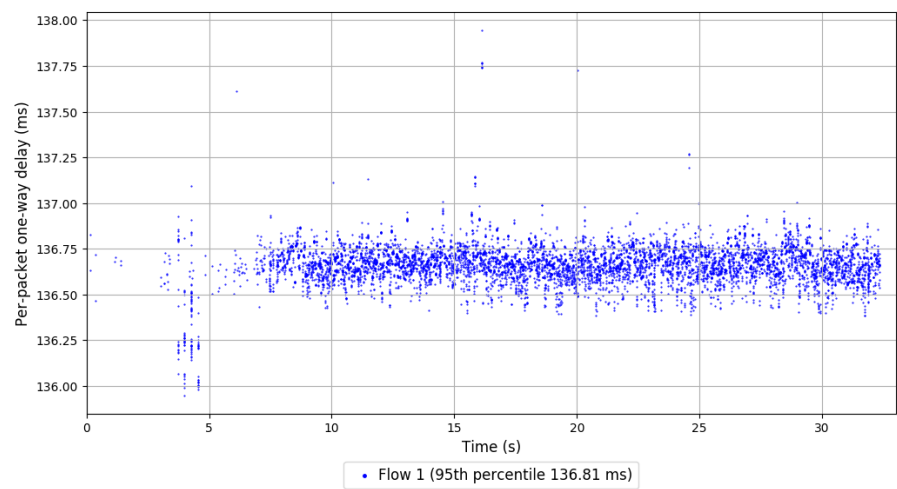
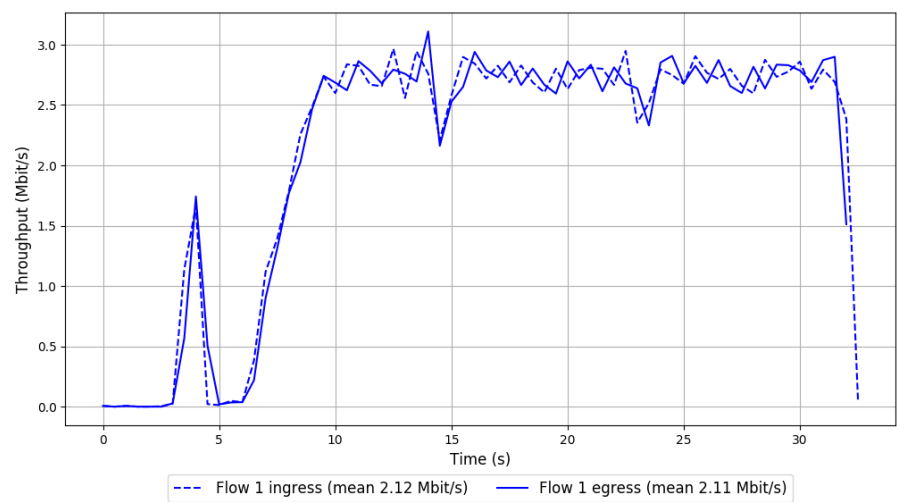
-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 136.808 ms

Loss rate: 1.01%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-01-26 04:06:15

End at: 2018-01-26 04:06:45

Below is generated by plot.py at 2018-01-26 08:05:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 137.056 ms

Loss rate: 0.98%

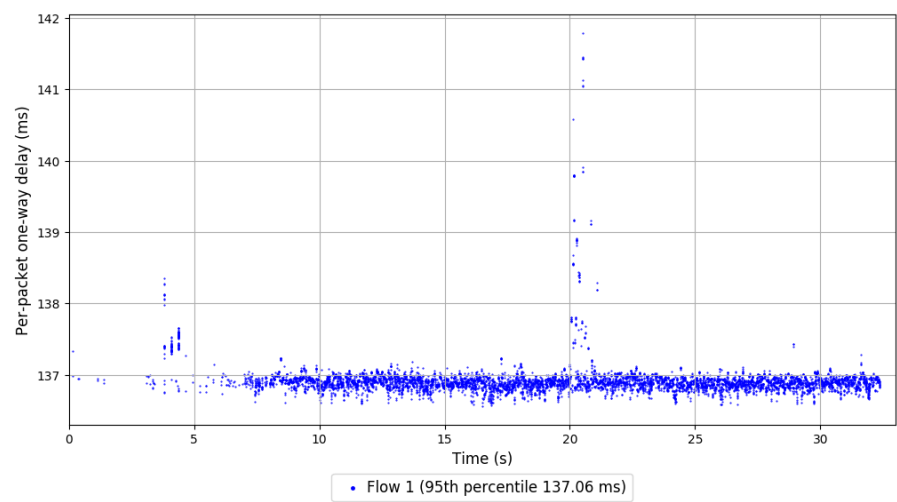
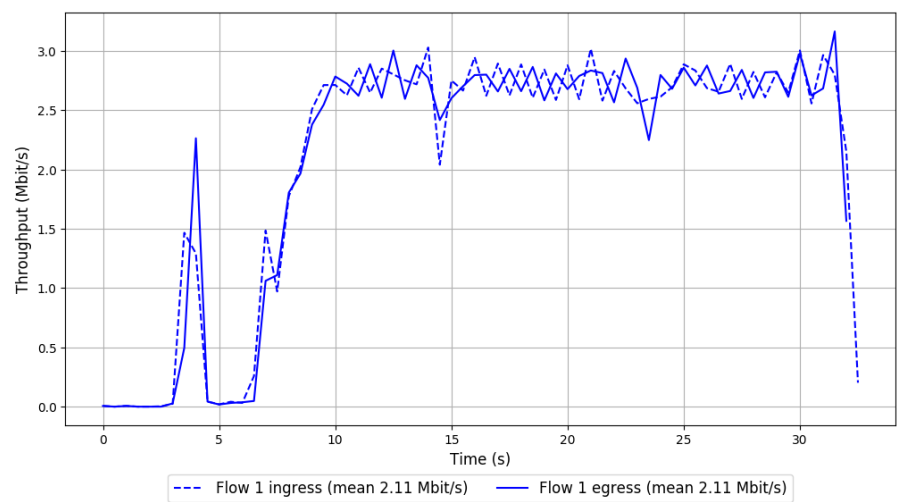
-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 137.056 ms

Loss rate: 0.98%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-01-26 04:19:26

End at: 2018-01-26 04:19:56

Below is generated by plot.py at 2018-01-26 08:05:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 163.407 ms

Loss rate: 0.91%

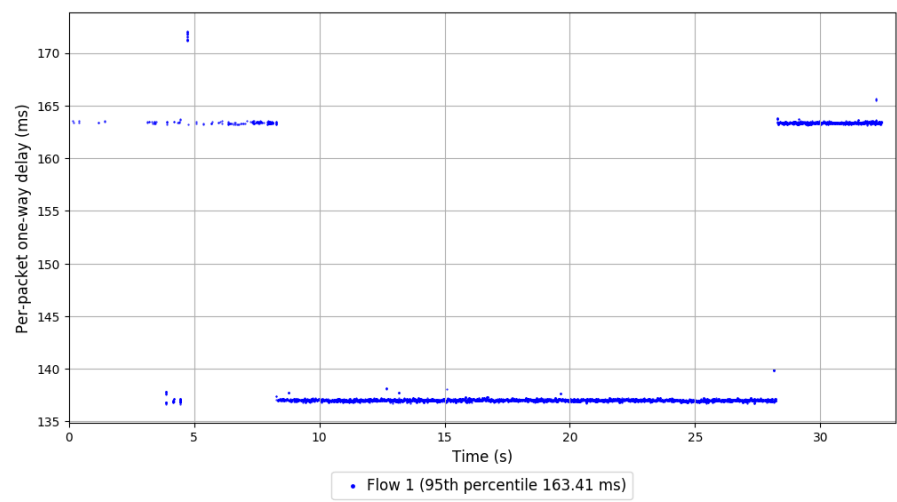
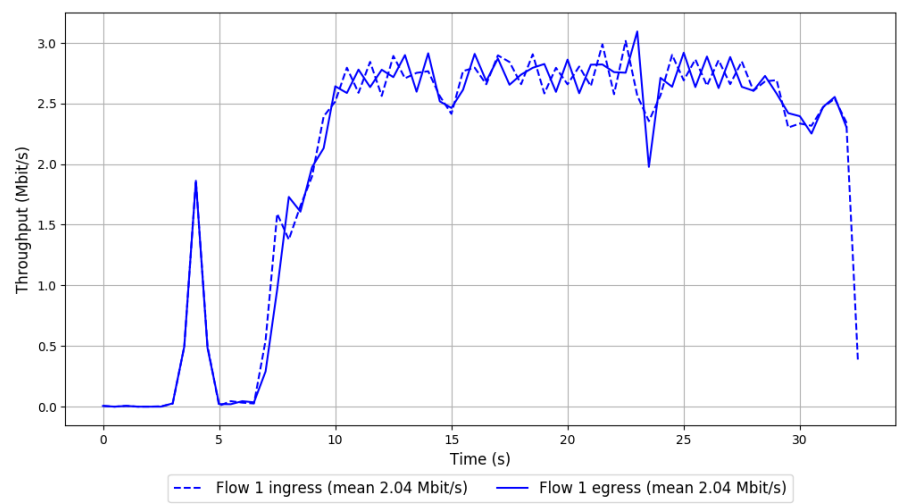
-- Flow 1:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 163.407 ms

Loss rate: 0.91%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-01-26 04:32:11

End at: 2018-01-26 04:32:41

Below is generated by plot.py at 2018-01-26 08:05:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 136.574 ms

Loss rate: 0.95%

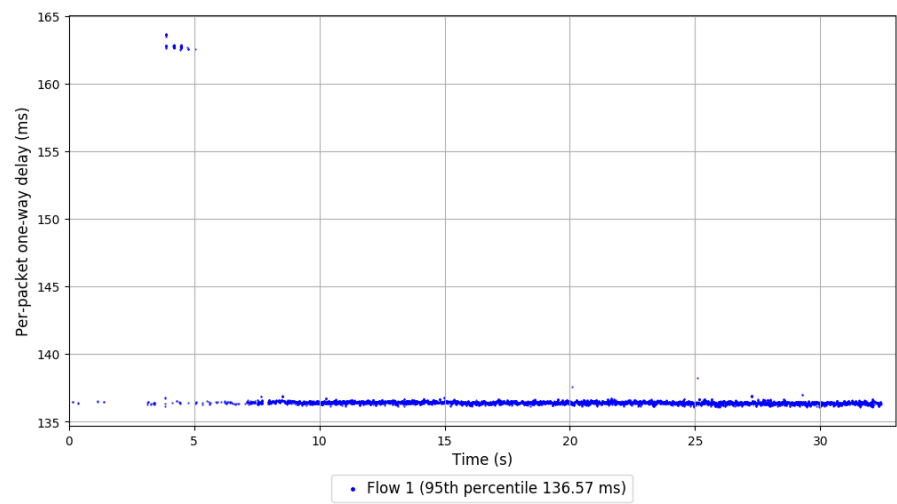
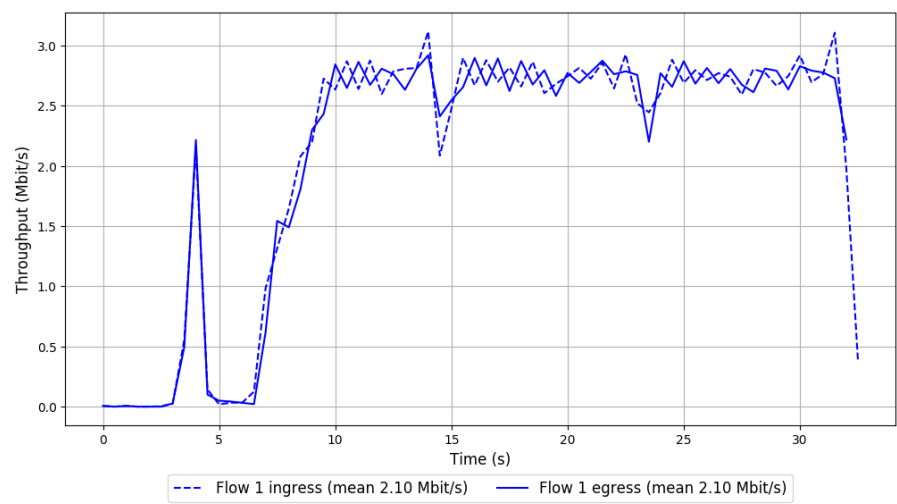
-- Flow 1:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 136.574 ms

Loss rate: 0.95%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-01-26 04:45:09

End at: 2018-01-26 04:45:39

Below is generated by plot.py at 2018-01-26 08:05:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 136.091 ms

Loss rate: 0.97%

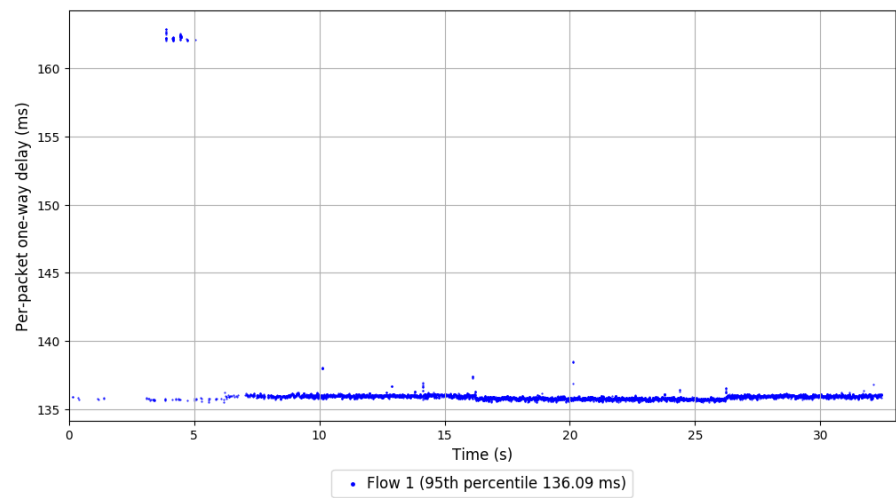
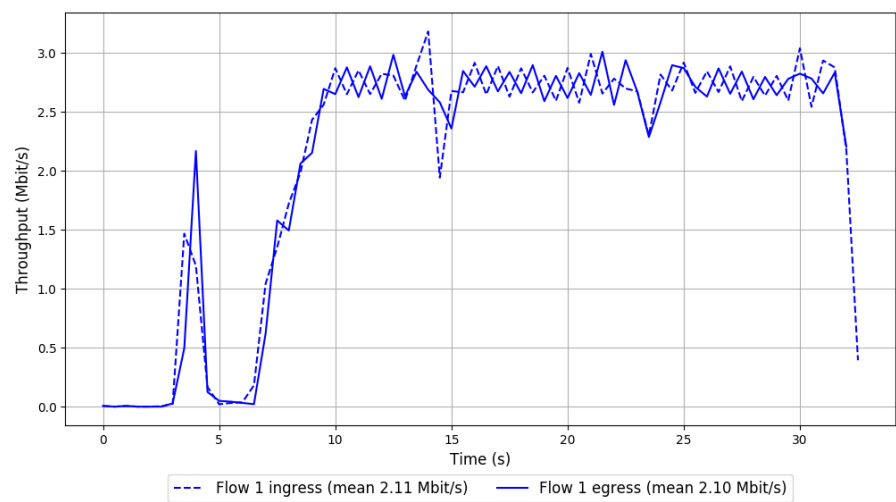
-- Flow 1:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 136.091 ms

Loss rate: 0.97%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-01-26 04:57:34

End at: 2018-01-26 04:58:04

Below is generated by plot.py at 2018-01-26 08:05:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 135.790 ms

Loss rate: 1.00%

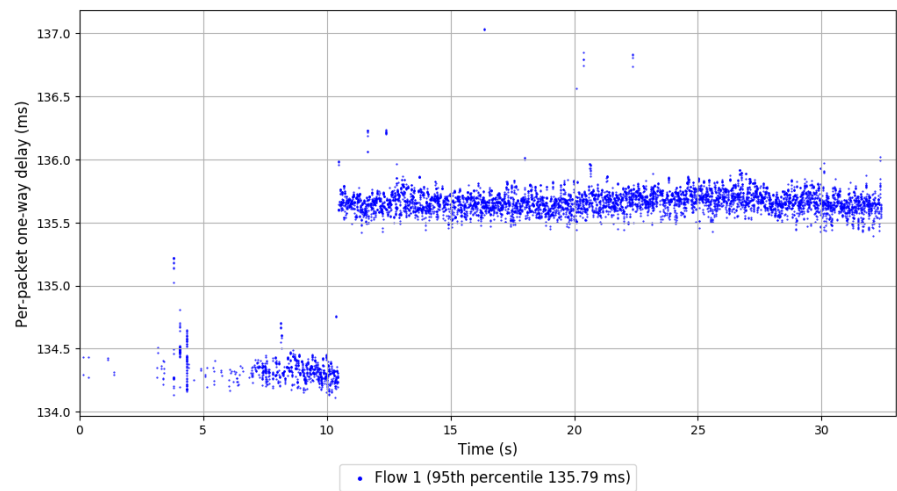
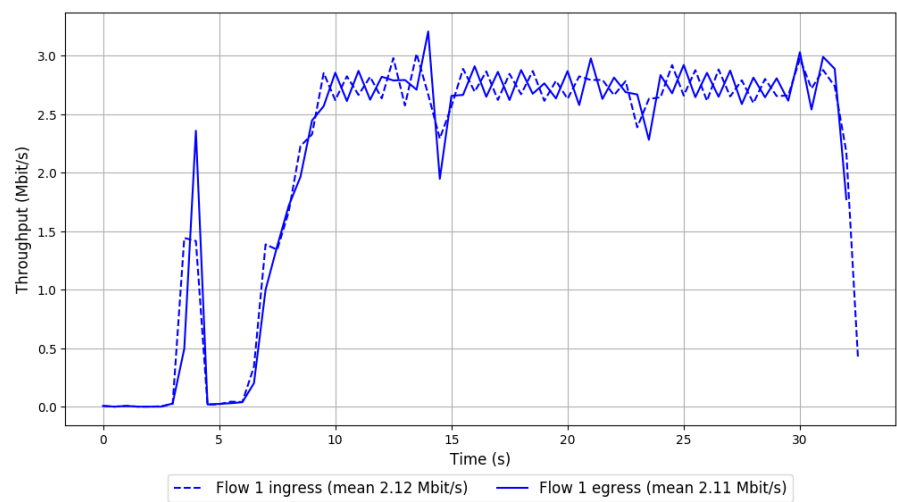
-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 135.790 ms

Loss rate: 1.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-01-26 05:10:26

End at: 2018-01-26 05:10:56

Below is generated by plot.py at 2018-01-26 08:05:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 161.763 ms

Loss rate: 1.01%

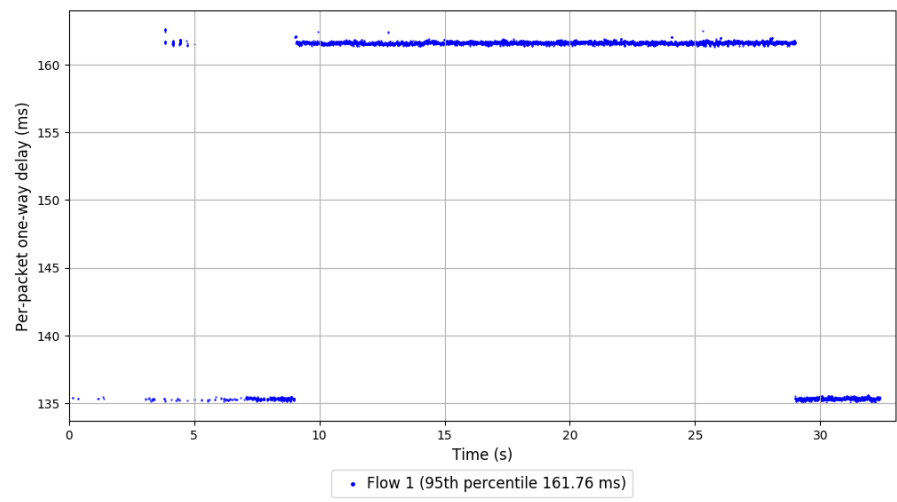
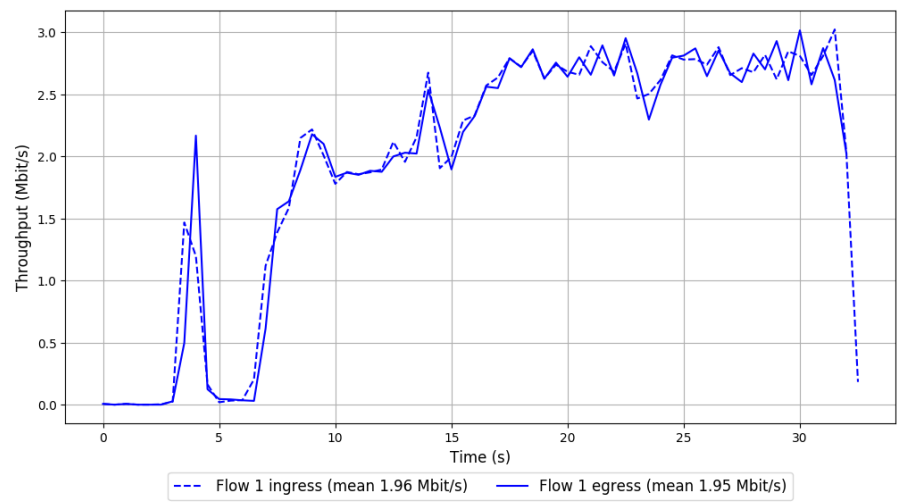
-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 161.763 ms

Loss rate: 1.01%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-01-26 05:23:04

End at: 2018-01-26 05:23:34

Below is generated by plot.py at 2018-01-26 08:05:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 135.434 ms

Loss rate: 0.94%

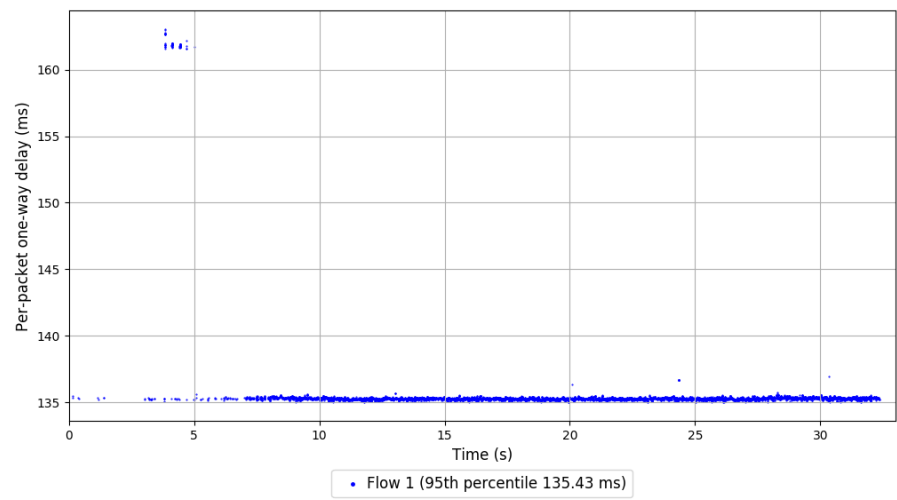
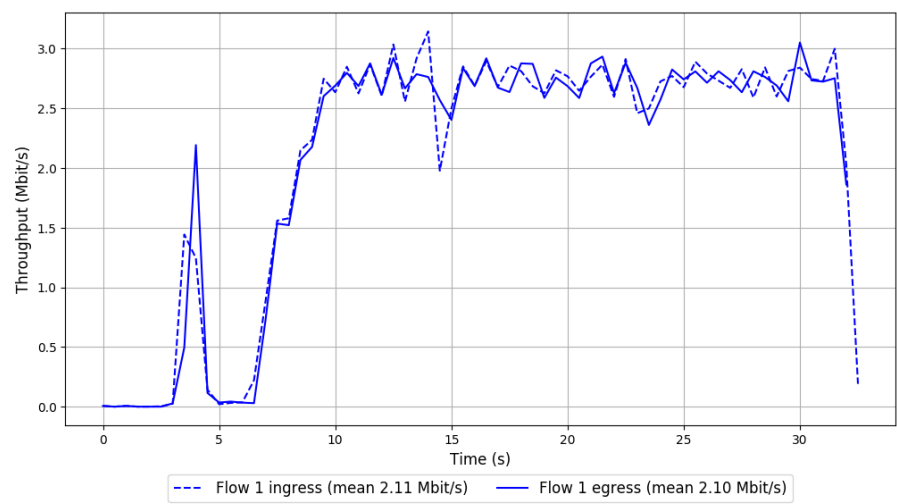
-- Flow 1:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 135.434 ms

Loss rate: 0.94%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-01-26 05:36:00

End at: 2018-01-26 05:36:30

Below is generated by plot.py at 2018-01-26 08:05:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.08 Mbit/s

95th percentile per-packet one-way delay: 162.131 ms

Loss rate: 0.98%

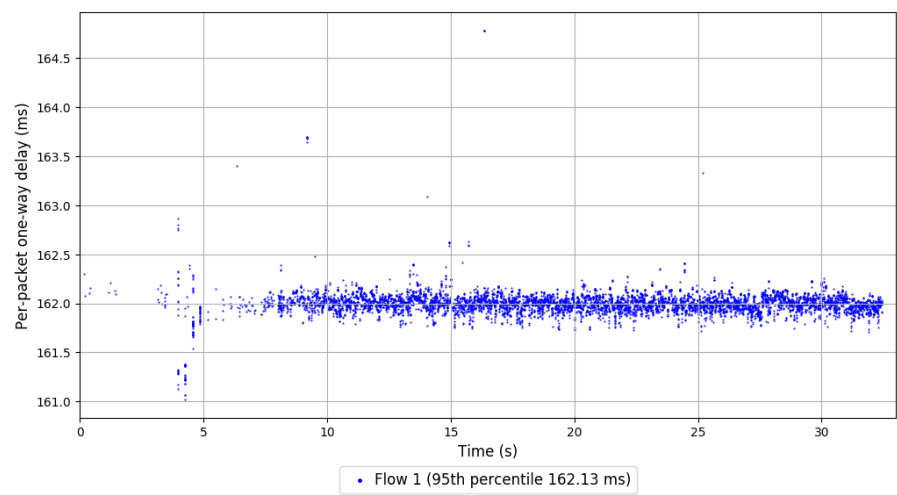
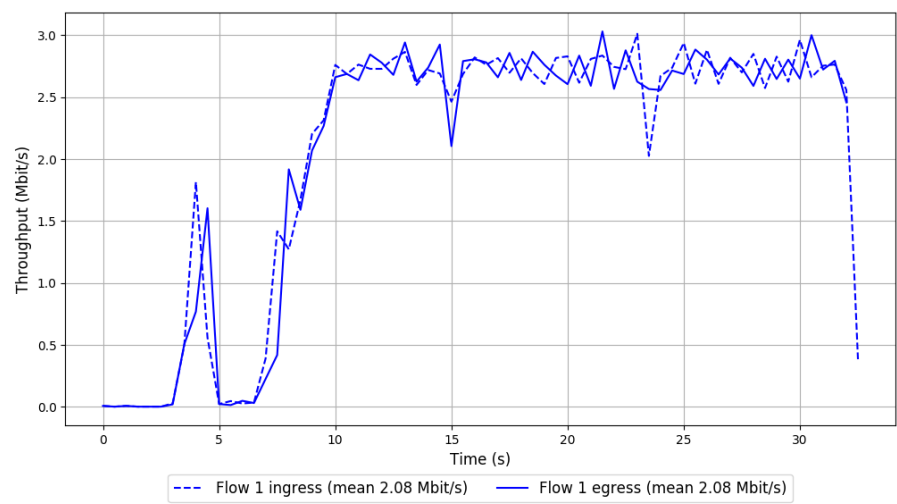
-- Flow 1:

Average throughput: 2.08 Mbit/s

95th percentile per-packet one-way delay: 162.131 ms

Loss rate: 0.98%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-01-26 03:30:26

End at: 2018-01-26 03:30:56

Below is generated by plot.py at 2018-01-26 08:05:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 139.398 ms

Loss rate: 0.79%

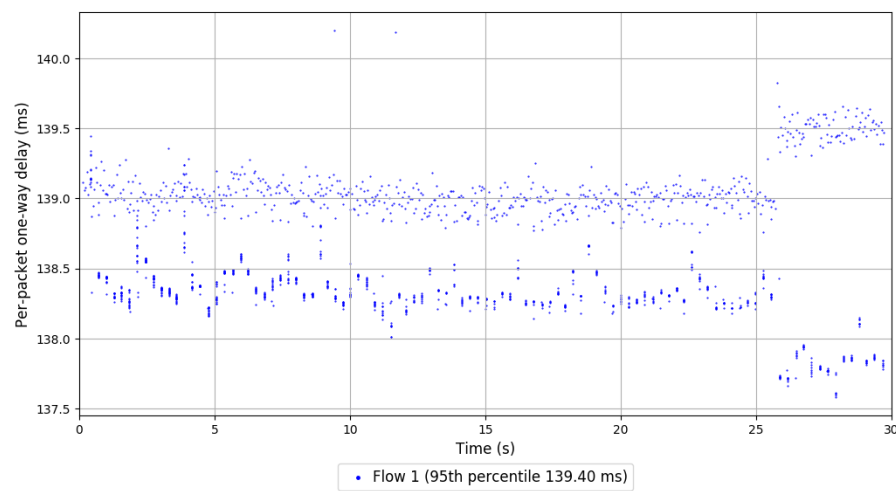
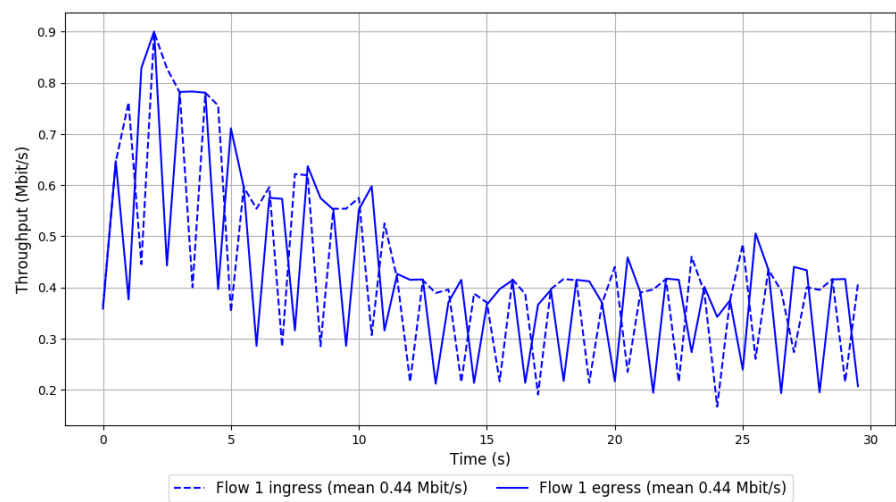
-- Flow 1:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 139.398 ms

Loss rate: 0.79%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-01-26 03:43:33

End at: 2018-01-26 03:44:03

Below is generated by plot.py at 2018-01-26 08:05:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 138.109 ms

Loss rate: 0.91%

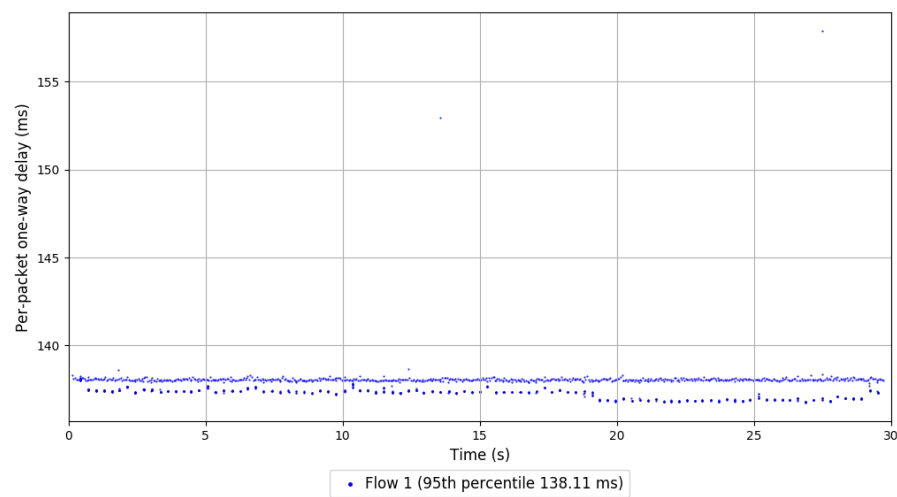
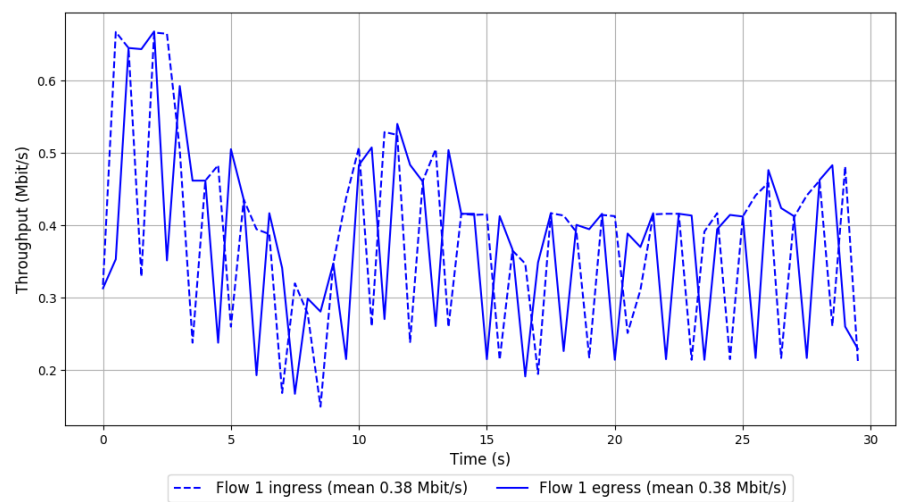
-- Flow 1:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 138.109 ms

Loss rate: 0.91%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-01-26 03:56:31

End at: 2018-01-26 03:57:01

Below is generated by plot.py at 2018-01-26 08:05:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 138.095 ms

Loss rate: 0.91%

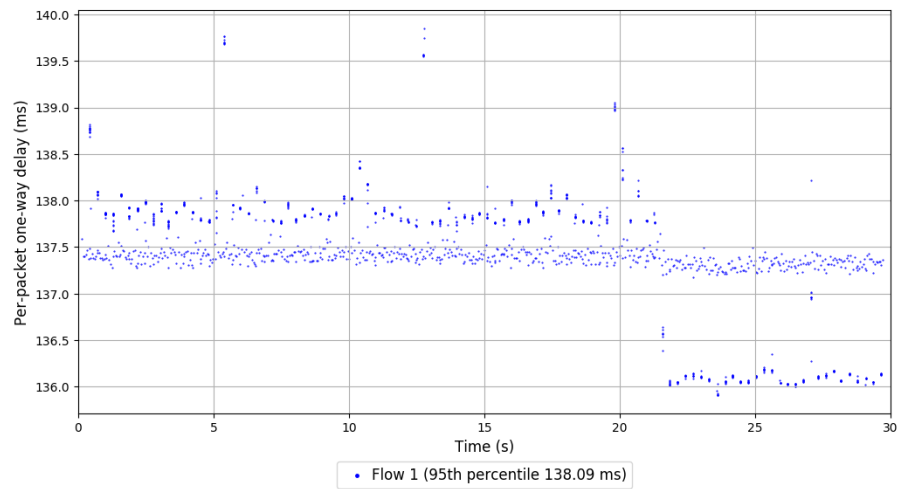
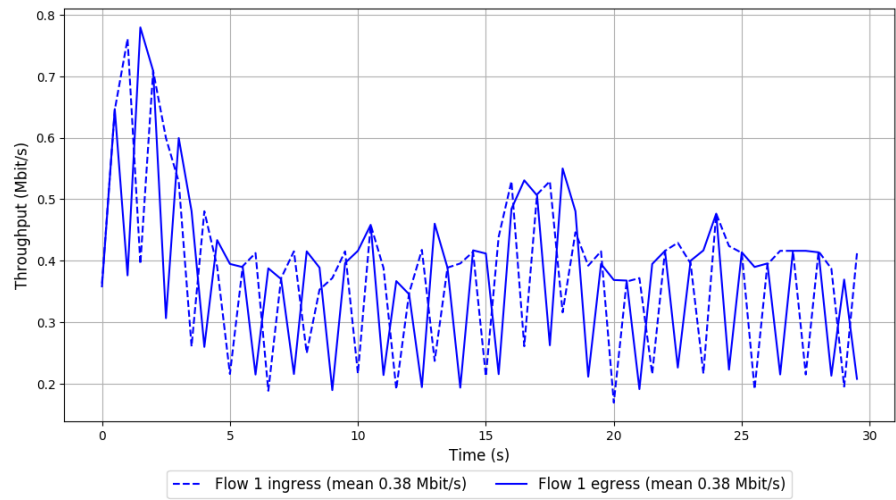
-- Flow 1:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 138.095 ms

Loss rate: 0.91%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-01-26 04:09:31

End at: 2018-01-26 04:10:01

Below is generated by plot.py at 2018-01-26 08:05:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 137.418 ms

Loss rate: 0.82%

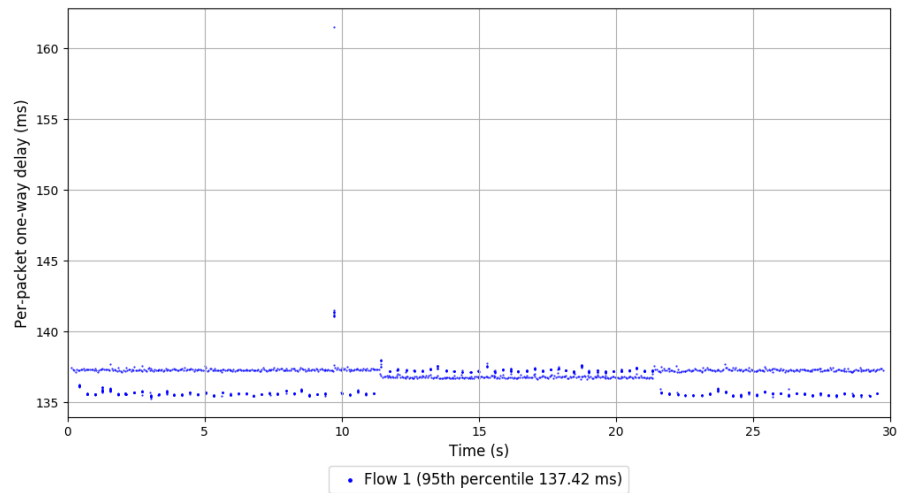
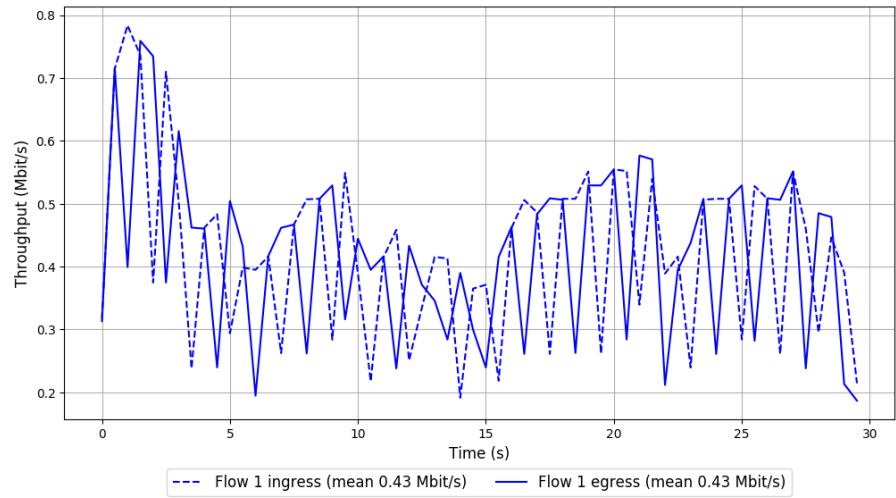
-- Flow 1:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 137.418 ms

Loss rate: 0.82%

Run 4: Report of Sprout — Data Link

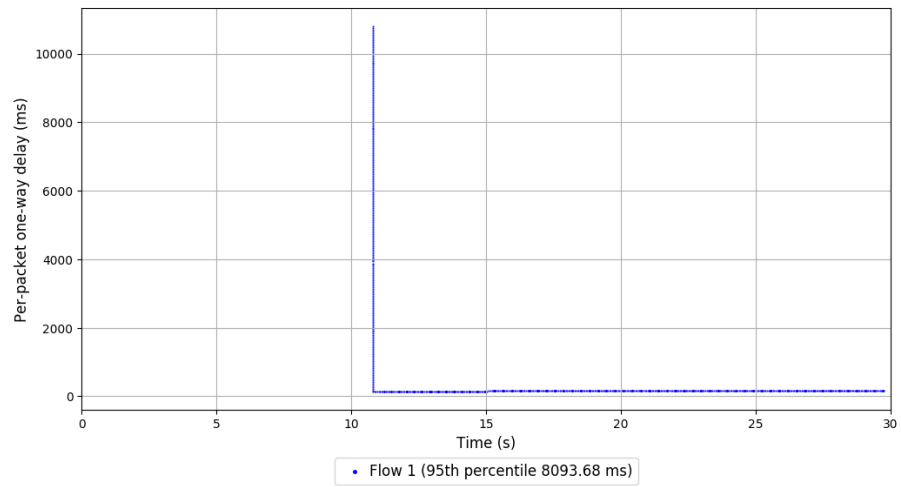
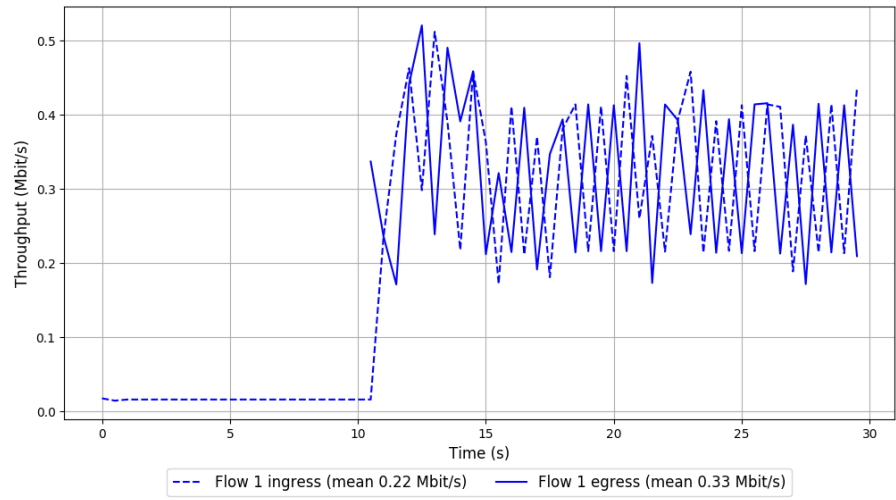


Run 5: Statistics of Sprout

Start at: 2018-01-26 04:22:37

End at: 2018-01-26 04:23:07

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-01-26 04:35:23

End at: 2018-01-26 04:35:53

Below is generated by plot.py at 2018-01-26 08:05:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.32 Mbit/s

95th percentile per-packet one-way delay: 162.635 ms

Loss rate: 0.25%

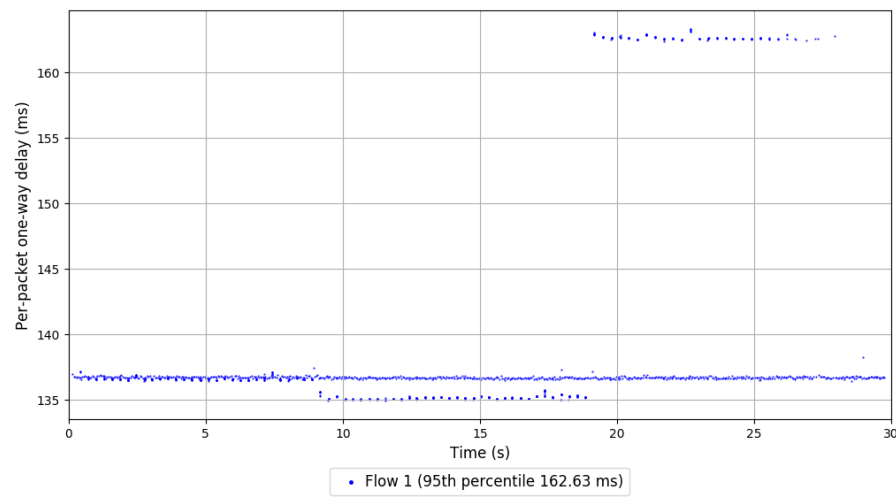
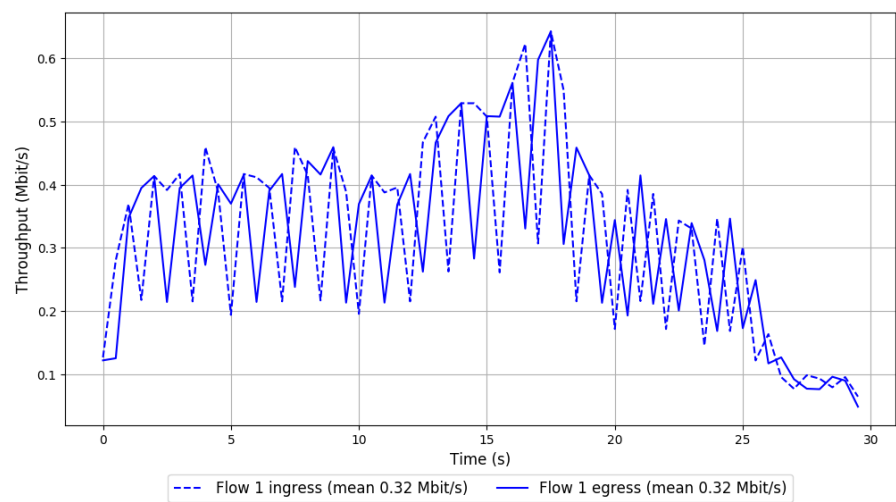
-- Flow 1:

Average throughput: 0.32 Mbit/s

95th percentile per-packet one-way delay: 162.635 ms

Loss rate: 0.25%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-01-26 04:48:18

End at: 2018-01-26 04:48:48

Below is generated by plot.py at 2018-01-26 08:05:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 162.188 ms

Loss rate: 0.29%

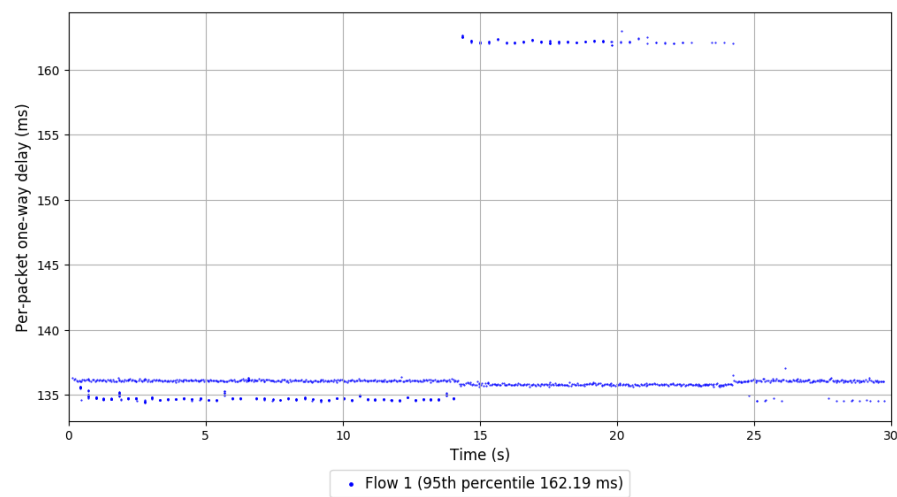
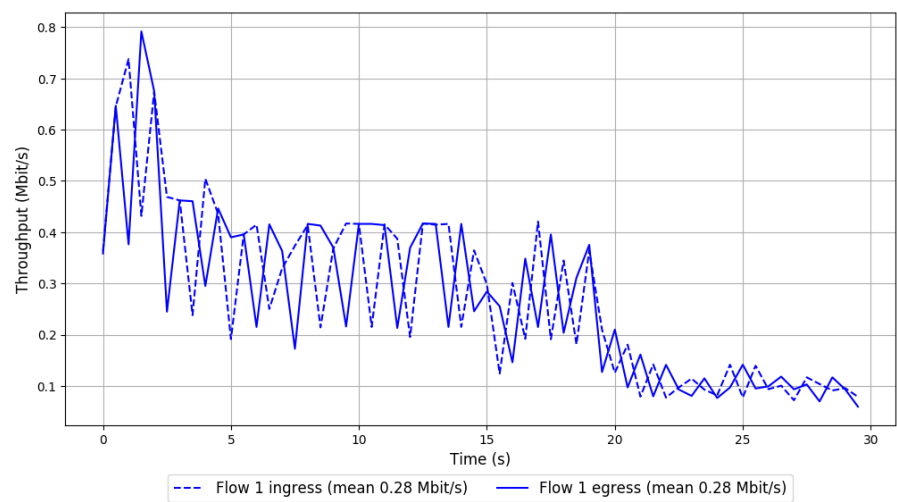
-- Flow 1:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 162.188 ms

Loss rate: 0.29%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-01-26 05:00:57

End at: 2018-01-26 05:01:27

Below is generated by plot.py at 2018-01-26 08:05:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 162.132 ms

Loss rate: 0.93%

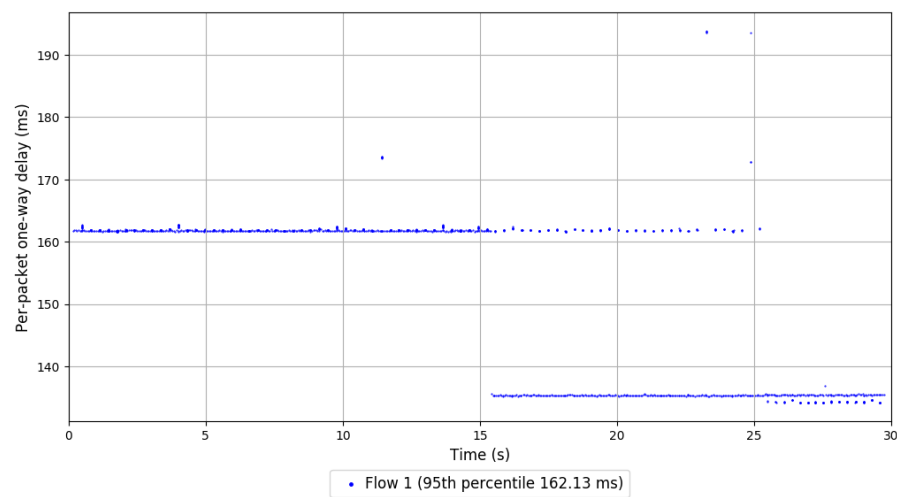
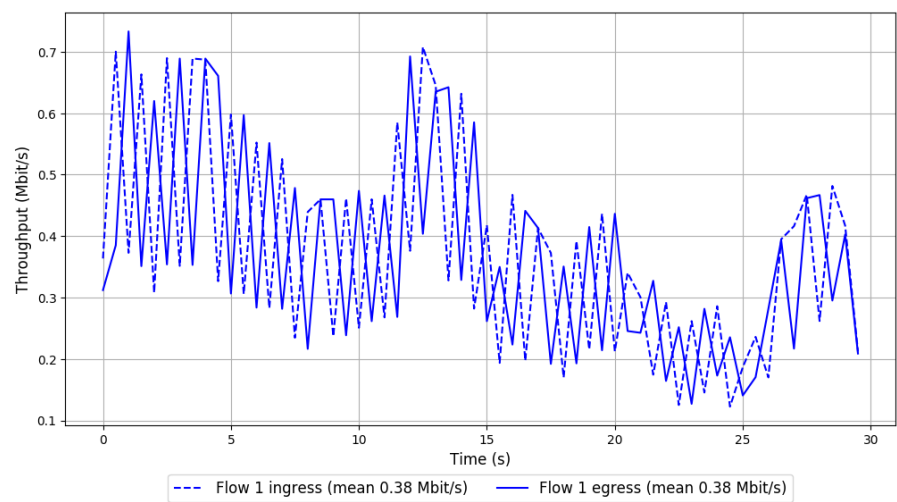
-- Flow 1:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 162.132 ms

Loss rate: 0.93%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-01-26 05:13:47

End at: 2018-01-26 05:14:17

Below is generated by plot.py at 2018-01-26 08:05:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 161.850 ms

Loss rate: 0.96%

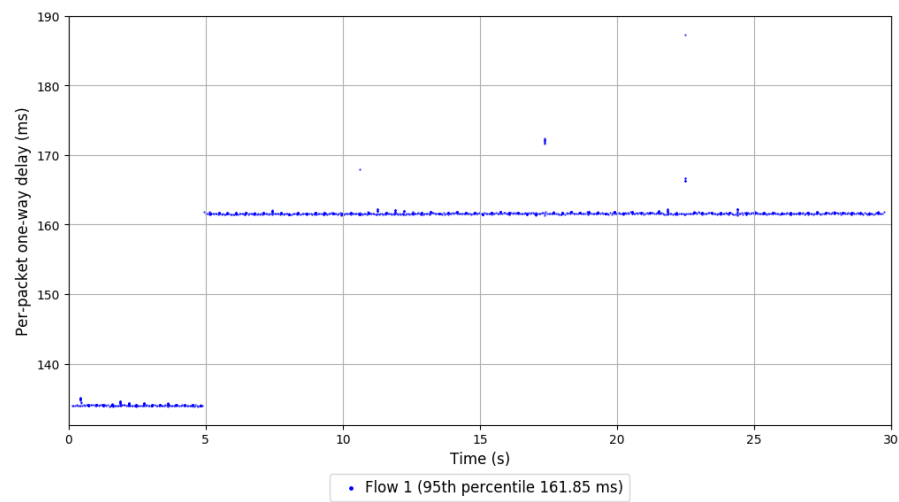
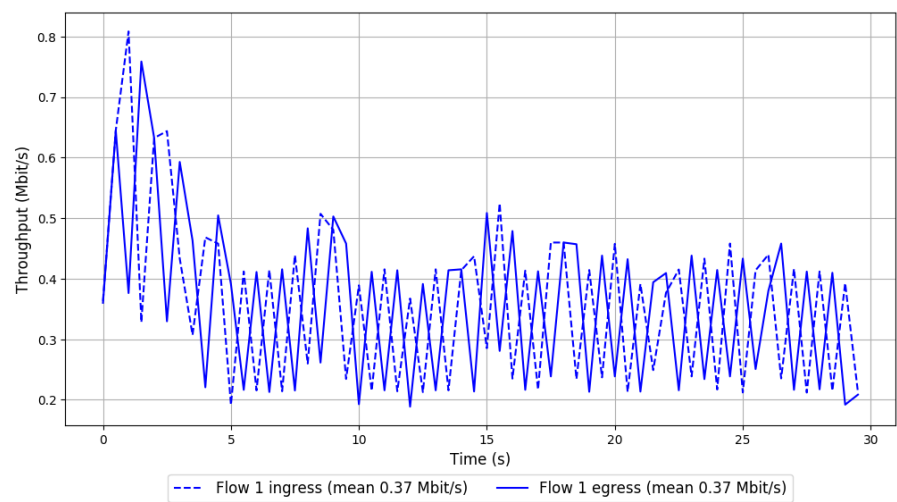
-- Flow 1:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 161.850 ms

Loss rate: 0.96%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-01-26 05:26:15

End at: 2018-01-26 05:26:45

Below is generated by plot.py at 2018-01-26 08:05:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 161.877 ms

Loss rate: 0.36%

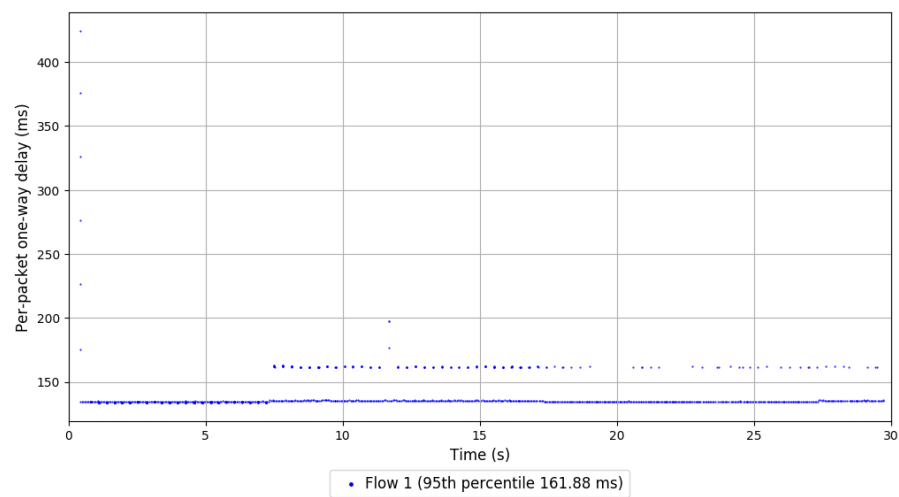
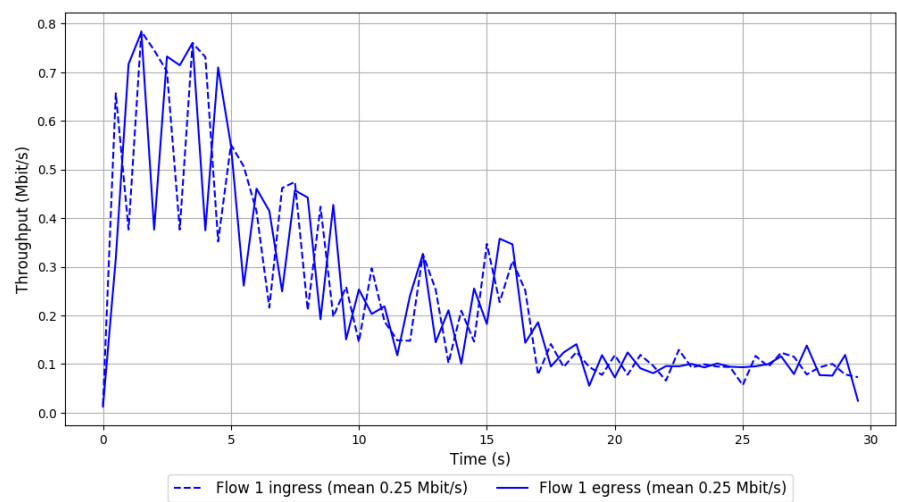
-- Flow 1:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 161.877 ms

Loss rate: 0.36%

Run 10: Report of Sprout — Data Link

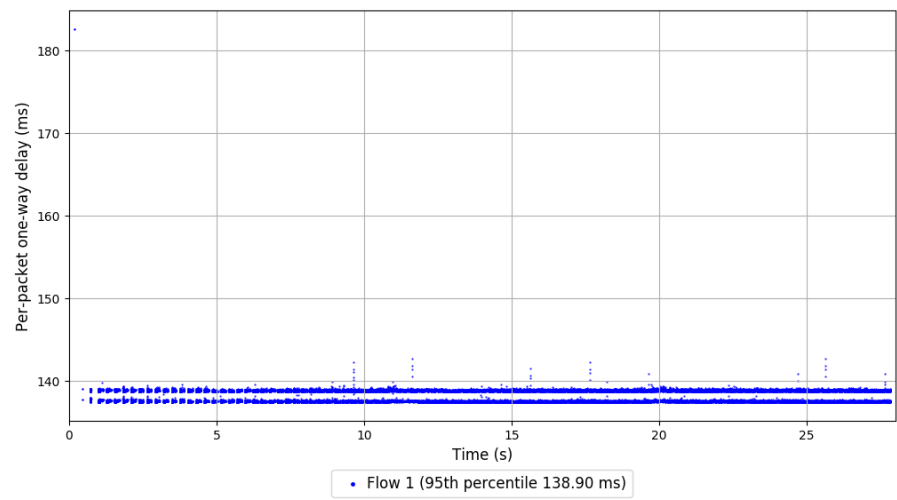
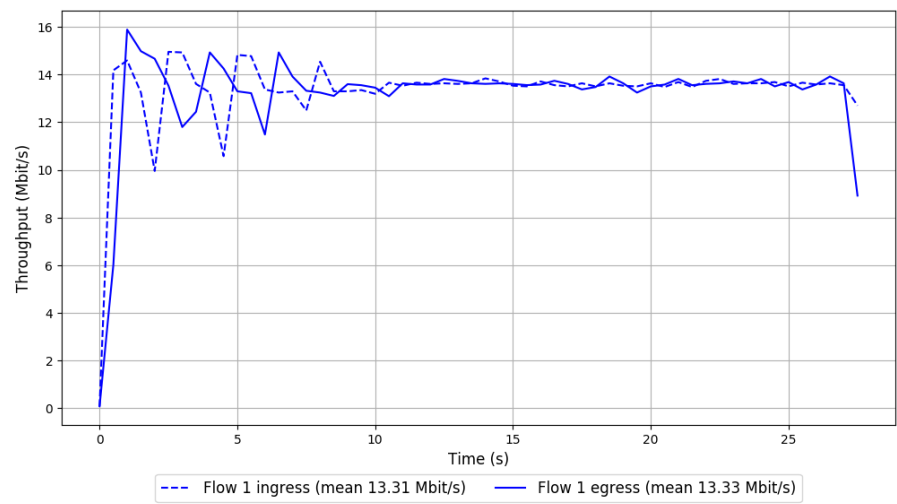


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-01-26 03:31:08
End at: 2018-01-26 03:31:38

# Below is generated by plot.py at 2018-01-26 08:05:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.33 Mbit/s
95th percentile per-packet one-way delay: 138.896 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 13.33 Mbit/s
95th percentile per-packet one-way delay: 138.896 ms
Loss rate: 0.99%
```


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

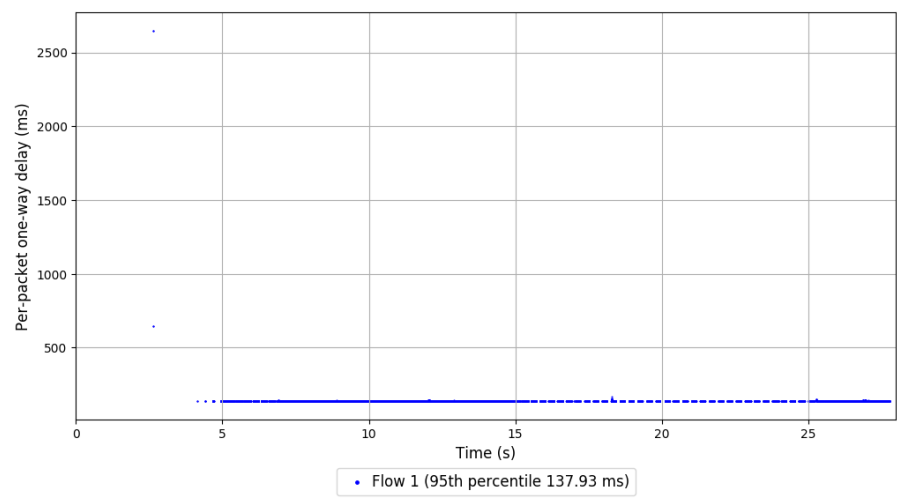
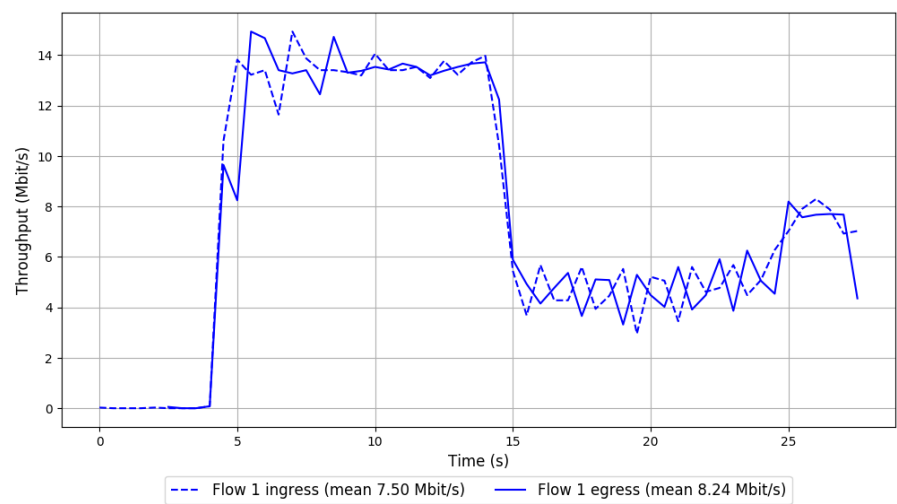


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-01-26 03:44:15
End at: 2018-01-26 03:44:45

# Below is generated by plot.py at 2018-01-26 08:05:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.24 Mbit/s
95th percentile per-packet one-way delay: 137.926 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 8.24 Mbit/s
95th percentile per-packet one-way delay: 137.926 ms
Loss rate: 1.05%
```

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-01-26 03:57:13

End at: 2018-01-26 03:57:43

Below is generated by plot.py at 2018-01-26 08:05:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.30 Mbit/s

95th percentile per-packet one-way delay: 137.682 ms

Loss rate: 1.00%

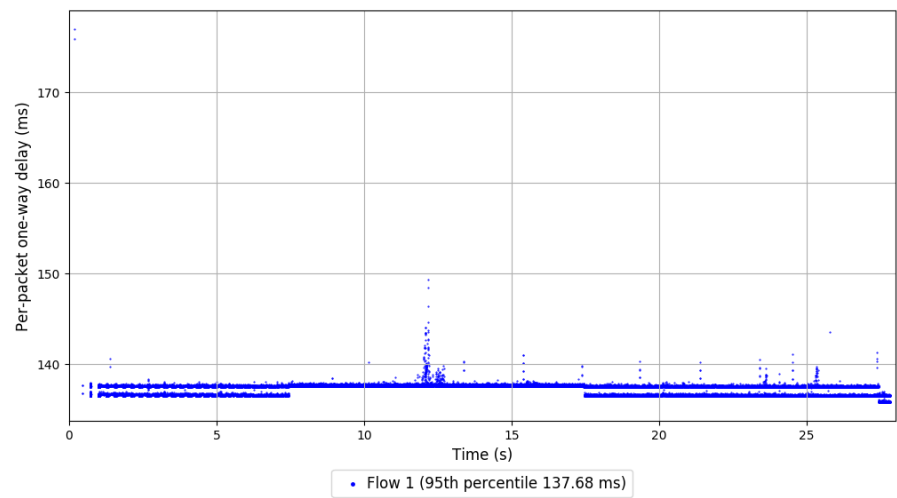
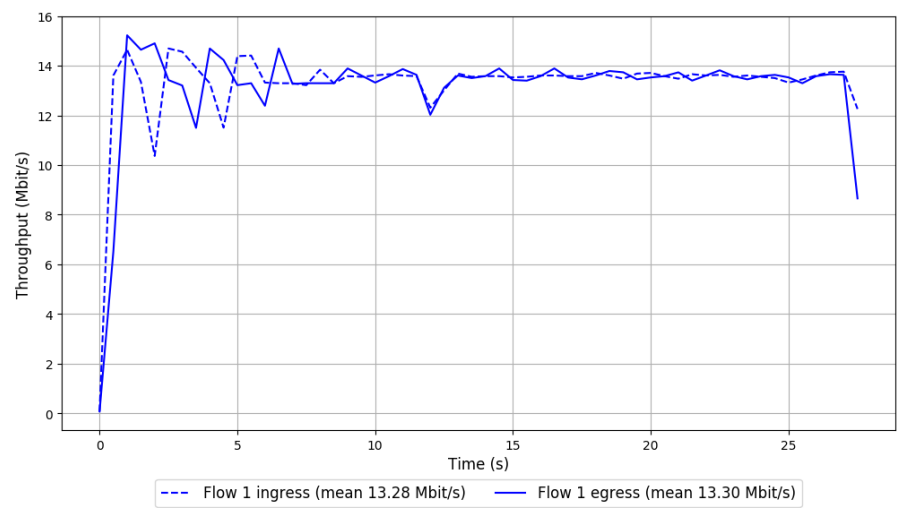
-- Flow 1:

Average throughput: 13.30 Mbit/s

95th percentile per-packet one-way delay: 137.682 ms

Loss rate: 1.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-01-26 04:10:13

End at: 2018-01-26 04:10:43

Below is generated by plot.py at 2018-01-26 08:08:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 201.23 Mbit/s

95th percentile per-packet one-way delay: 137.043 ms

Loss rate: 1.04%

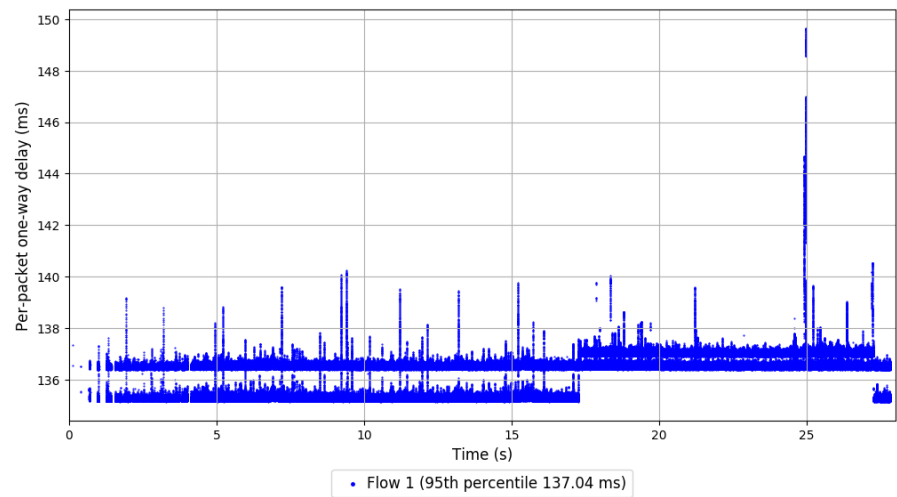
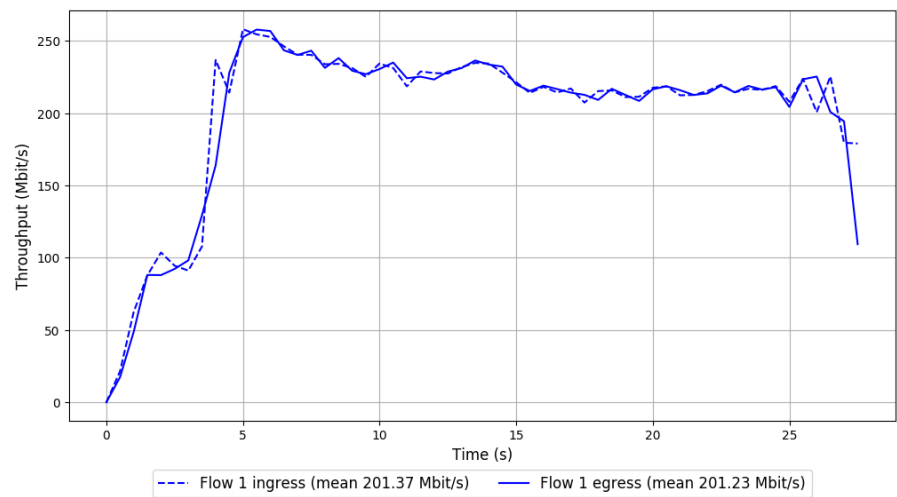
-- Flow 1:

Average throughput: 201.23 Mbit/s

95th percentile per-packet one-way delay: 137.043 ms

Loss rate: 1.04%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-01-26 04:23:19

End at: 2018-01-26 04:23:49

Below is generated by plot.py at 2018-01-26 08:08:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.04 Mbit/s

95th percentile per-packet one-way delay: 162.686 ms

Loss rate: 0.45%

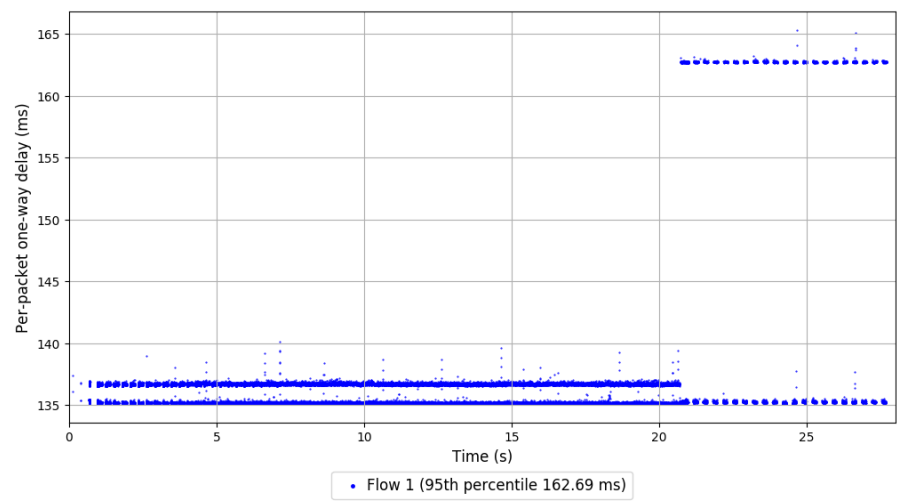
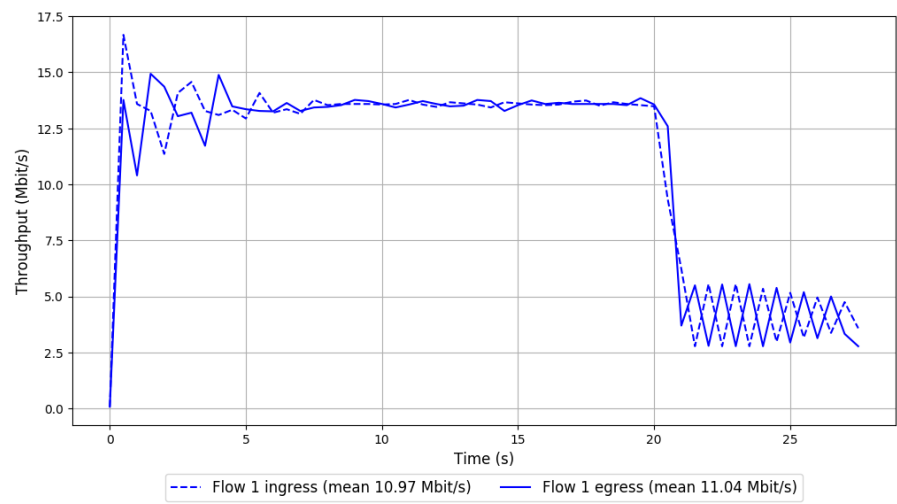
-- Flow 1:

Average throughput: 11.04 Mbit/s

95th percentile per-packet one-way delay: 162.686 ms

Loss rate: 0.45%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-01-26 04:36:05

End at: 2018-01-26 04:36:35

Below is generated by plot.py at 2018-01-26 08:08:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.65 Mbit/s

95th percentile per-packet one-way delay: 162.371 ms

Loss rate: 8.13%

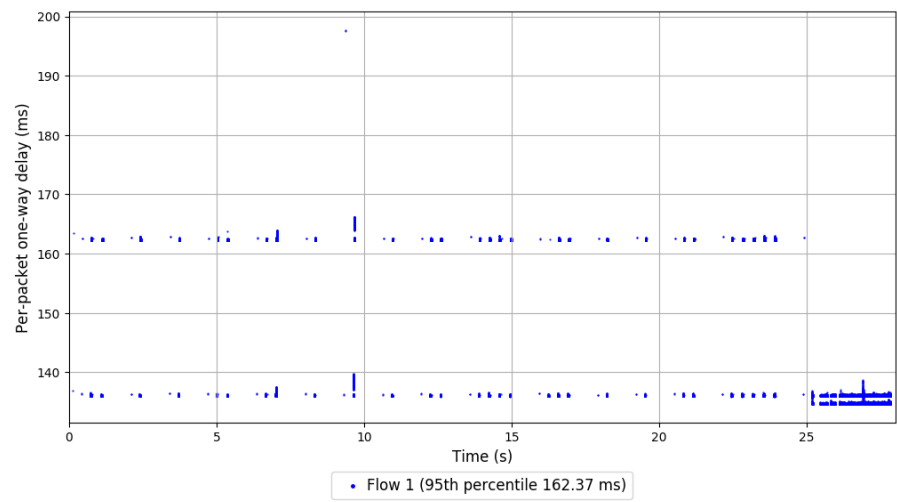
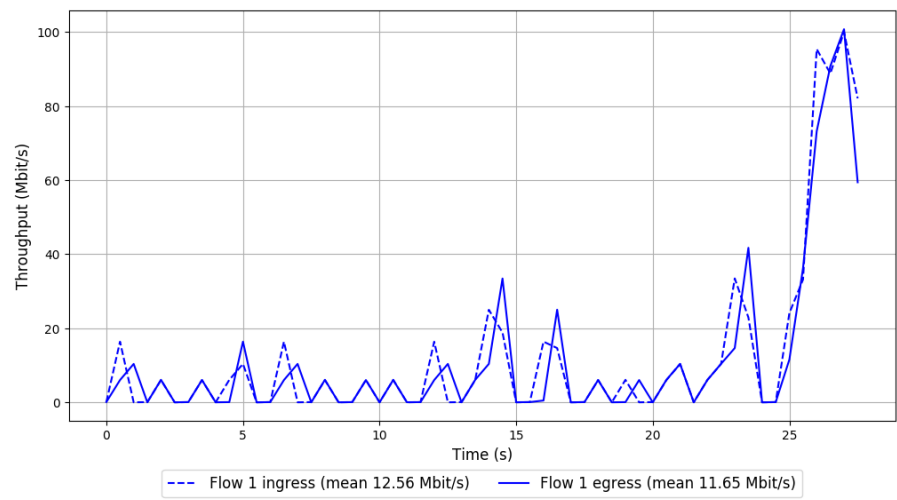
-- Flow 1:

Average throughput: 11.65 Mbit/s

95th percentile per-packet one-way delay: 162.371 ms

Loss rate: 8.13%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-01-26 04:49:01

End at: 2018-01-26 04:49:31

Below is generated by plot.py at 2018-01-26 08:08:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.11 Mbit/s

95th percentile per-packet one-way delay: 162.211 ms

Loss rate: 0.61%

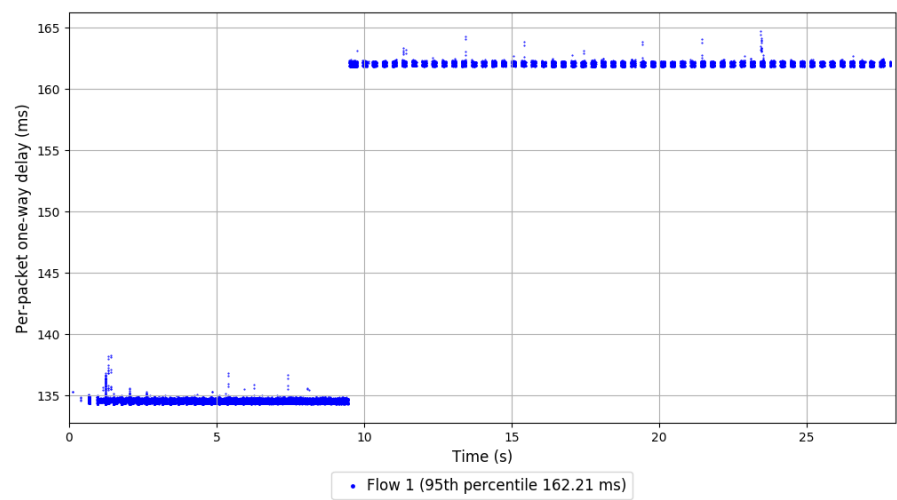
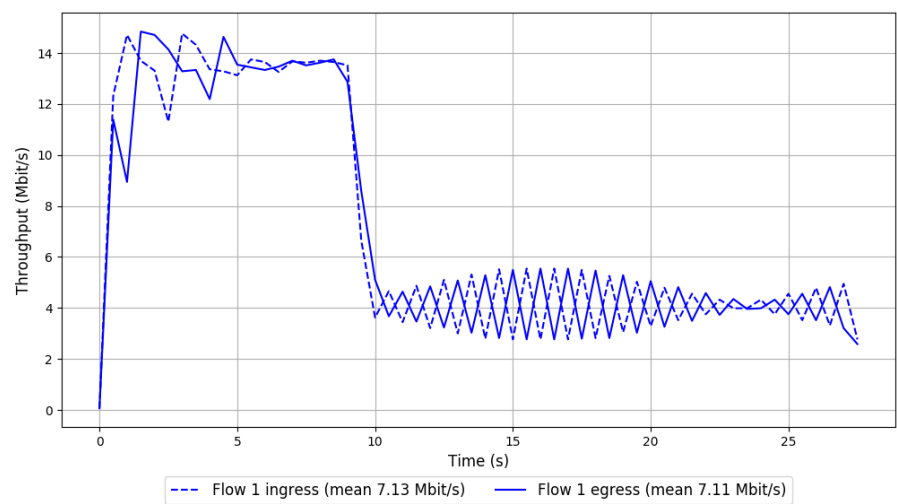
-- Flow 1:

Average throughput: 7.11 Mbit/s

95th percentile per-packet one-way delay: 162.211 ms

Loss rate: 0.61%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-01-26 05:01:40

End at: 2018-01-26 05:02:10

Below is generated by plot.py at 2018-01-26 08:08:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.38 Mbit/s

95th percentile per-packet one-way delay: 161.637 ms

Loss rate: 0.50%

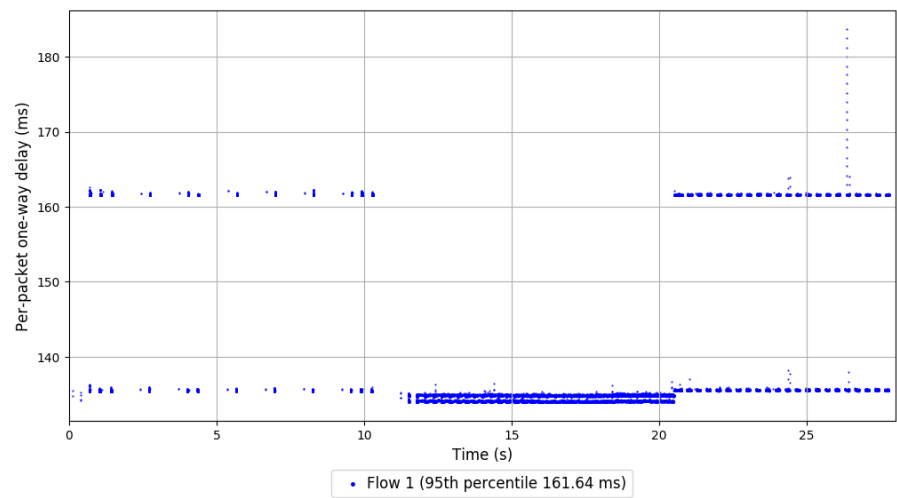
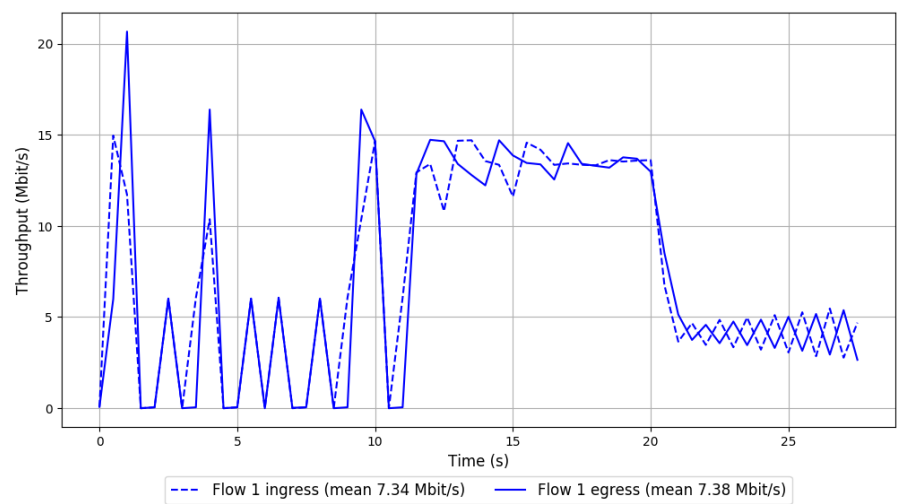
-- Flow 1:

Average throughput: 7.38 Mbit/s

95th percentile per-packet one-way delay: 161.637 ms

Loss rate: 0.50%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-01-26 05:14:29

End at: 2018-01-26 05:14:59

Below is generated by plot.py at 2018-01-26 08:08:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.72 Mbit/s

95th percentile per-packet one-way delay: 135.645 ms

Loss rate: 1.05%

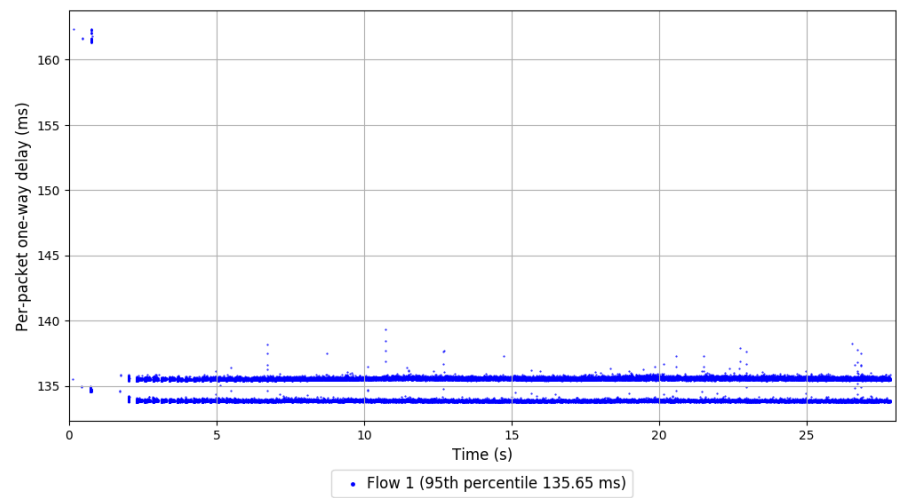
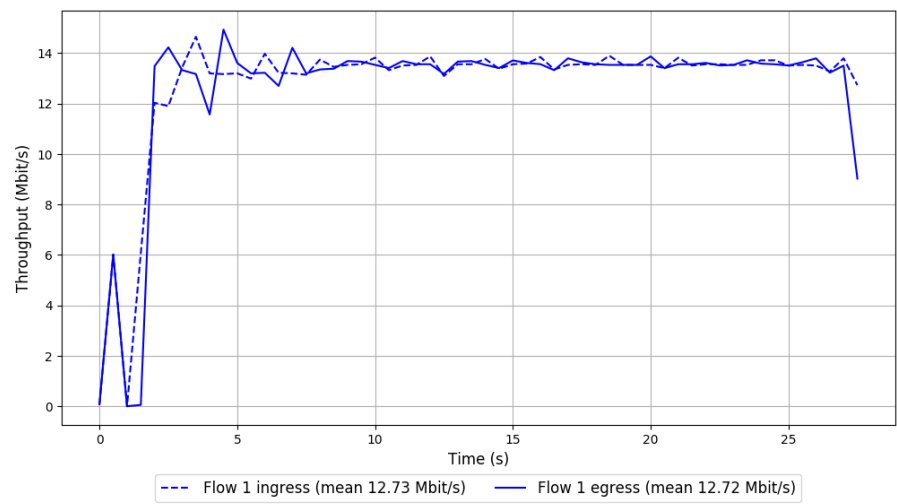
-- Flow 1:

Average throughput: 12.72 Mbit/s

95th percentile per-packet one-way delay: 135.645 ms

Loss rate: 1.05%

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

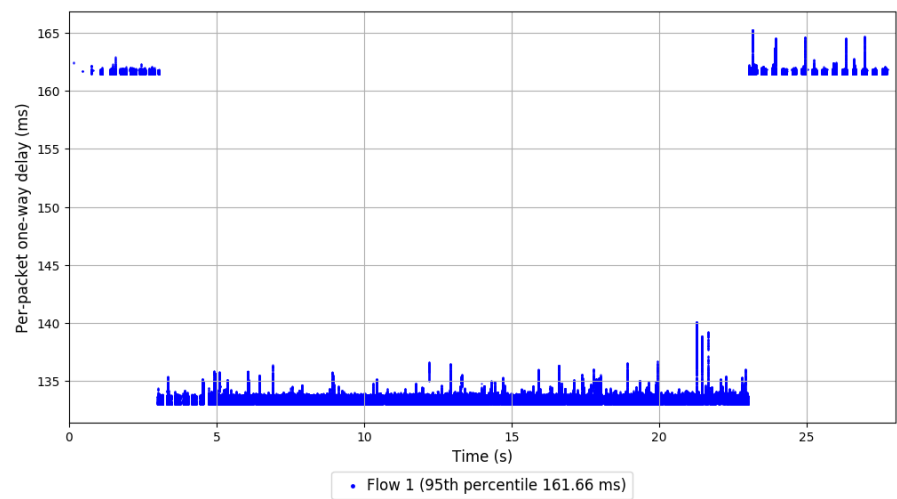
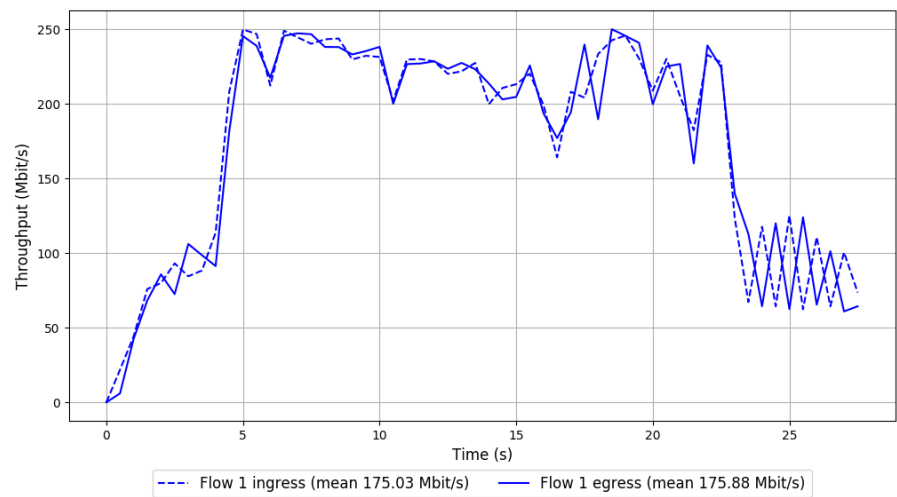


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-01-26 05:26:57
End at: 2018-01-26 05:27:27

# Below is generated by plot.py at 2018-01-26 08:08:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 175.88 Mbit/s
95th percentile per-packet one-way delay: 161.662 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 175.88 Mbit/s
95th percentile per-packet one-way delay: 161.662 ms
Loss rate: 0.60%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-01-26 03:41:49

End at: 2018-01-26 03:42:19

Below is generated by plot.py at 2018-01-26 08:08:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 18.59 Mbit/s

95th percentile per-packet one-way delay: 140.961 ms

Loss rate: 1.45%

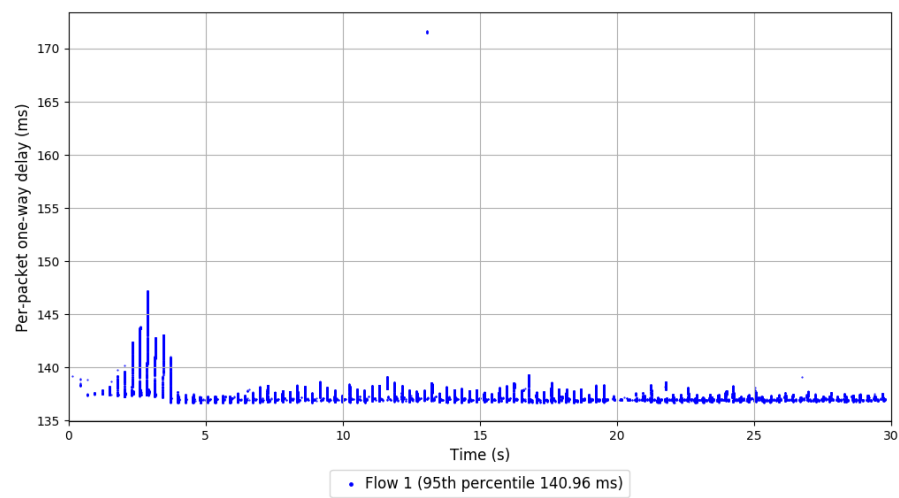
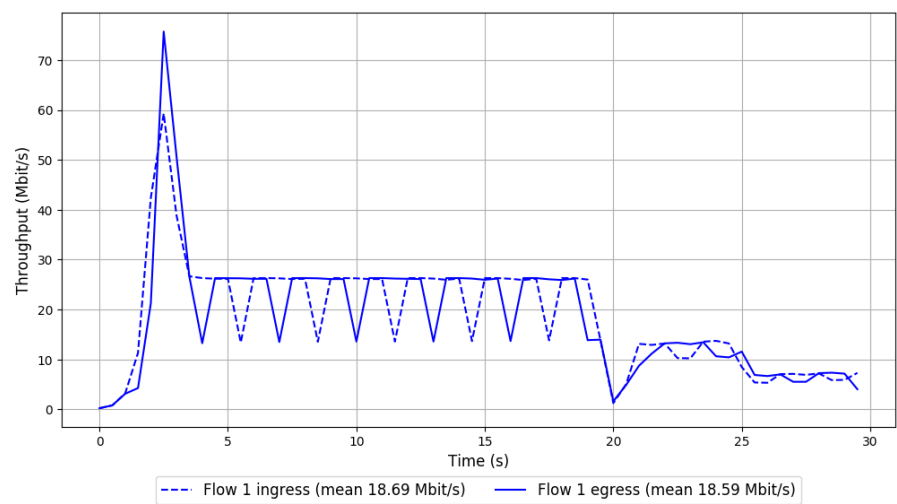
-- Flow 1:

Average throughput: 18.59 Mbit/s

95th percentile per-packet one-way delay: 140.961 ms

Loss rate: 1.45%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-01-26 03:54:52

End at: 2018-01-26 03:55:22

Below is generated by plot.py at 2018-01-26 08:08:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 28.35 Mbit/s

95th percentile per-packet one-way delay: 139.384 ms

Loss rate: 1.46%

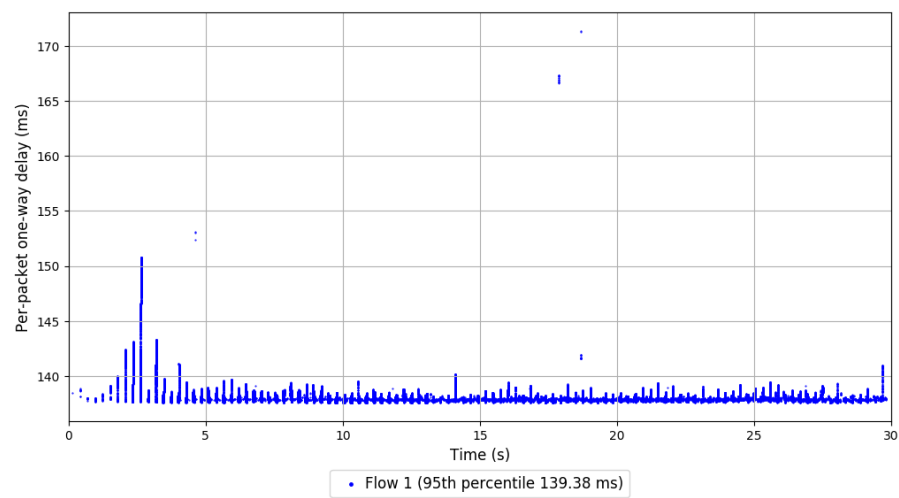
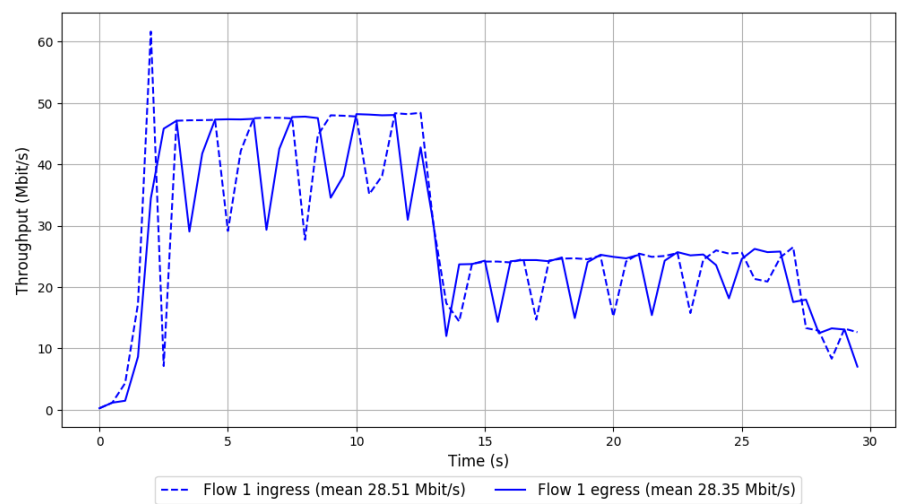
-- Flow 1:

Average throughput: 28.35 Mbit/s

95th percentile per-packet one-way delay: 139.384 ms

Loss rate: 1.46%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-01-26 04:07:52

End at: 2018-01-26 04:08:22

Below is generated by plot.py at 2018-01-26 08:08:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.35 Mbit/s

95th percentile per-packet one-way delay: 137.652 ms

Loss rate: 1.25%

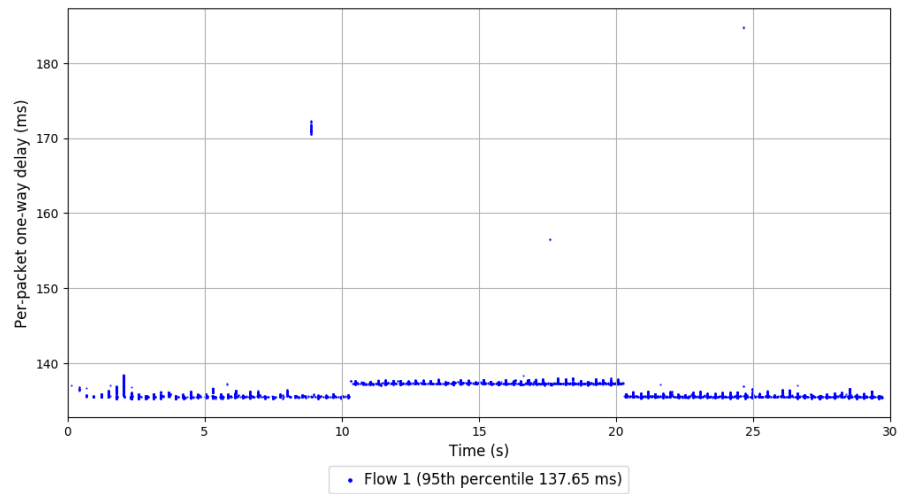
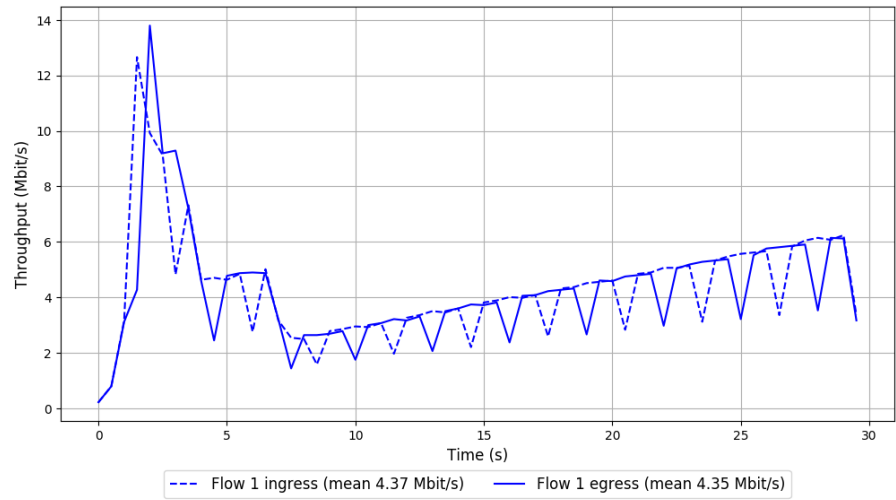
-- Flow 1:

Average throughput: 4.35 Mbit/s

95th percentile per-packet one-way delay: 137.652 ms

Loss rate: 1.25%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-01-26 04:21:04

End at: 2018-01-26 04:21:34

Below is generated by plot.py at 2018-01-26 08:08:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 19.54 Mbit/s

95th percentile per-packet one-way delay: 163.923 ms

Loss rate: 0.57%

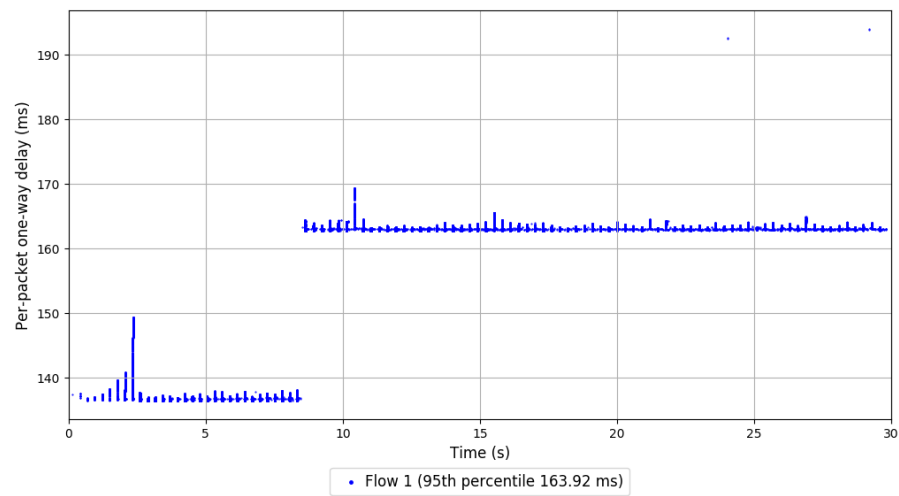
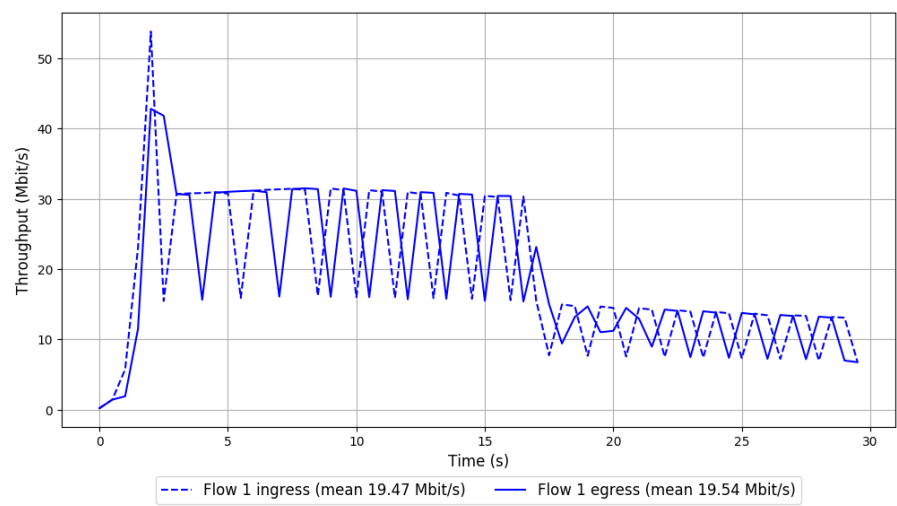
-- Flow 1:

Average throughput: 19.54 Mbit/s

95th percentile per-packet one-way delay: 163.923 ms

Loss rate: 0.57%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-01-26 04:33:49

End at: 2018-01-26 04:34:19

Below is generated by plot.py at 2018-01-26 08:08:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.07 Mbit/s

95th percentile per-packet one-way delay: 135.552 ms

Loss rate: 1.61%

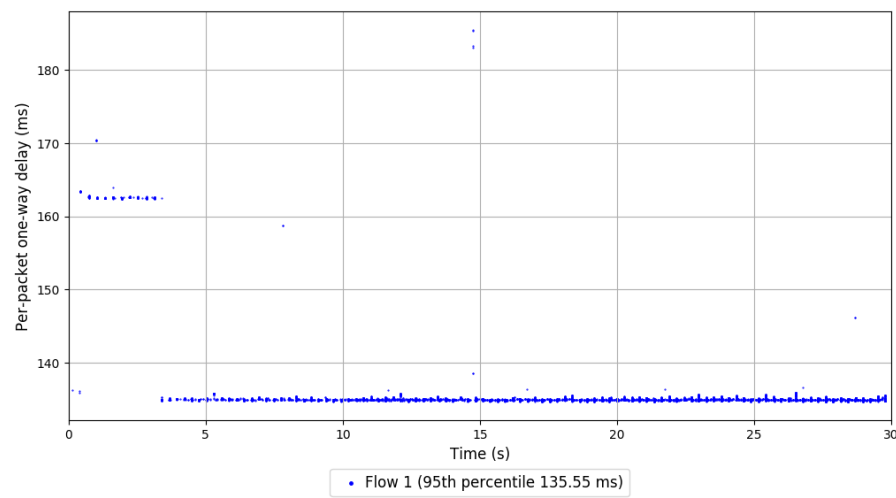
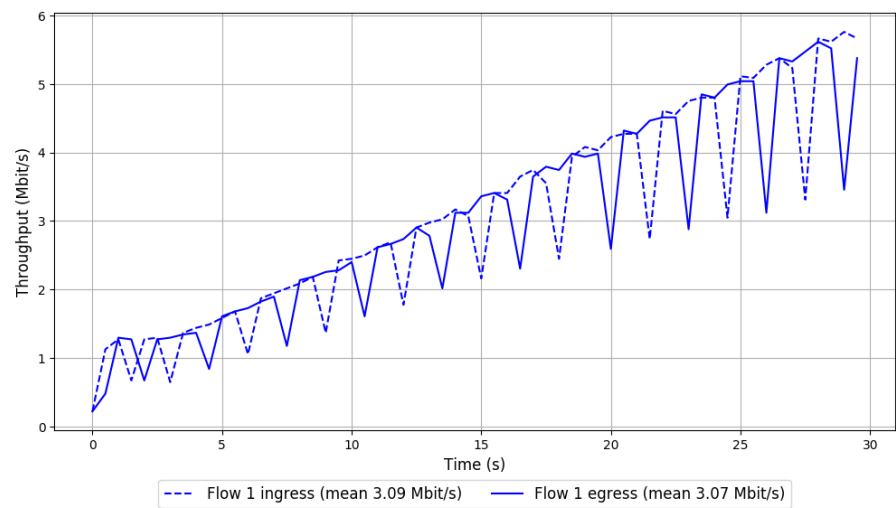
-- Flow 1:

Average throughput: 3.07 Mbit/s

95th percentile per-packet one-way delay: 135.552 ms

Loss rate: 1.61%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-01-26 04:46:47

End at: 2018-01-26 04:47:17

Below is generated by plot.py at 2018-01-26 08:08:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.37 Mbit/s

95th percentile per-packet one-way delay: 162.347 ms

Loss rate: 1.49%

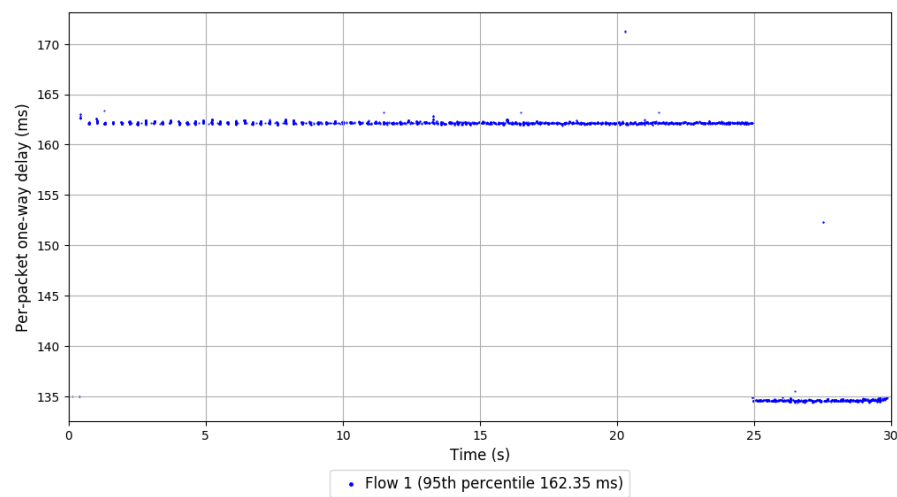
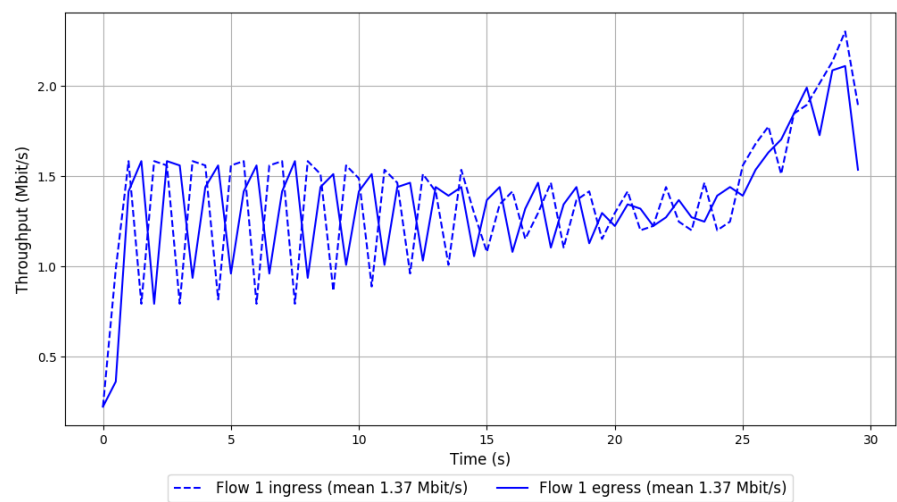
-- Flow 1:

Average throughput: 1.37 Mbit/s

95th percentile per-packet one-way delay: 162.347 ms

Loss rate: 1.49%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-01-26 04:59:12

End at: 2018-01-26 04:59:42

Below is generated by plot.py at 2018-01-26 08:08:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 18.87 Mbit/s

95th percentile per-packet one-way delay: 162.841 ms

Loss rate: 0.71%

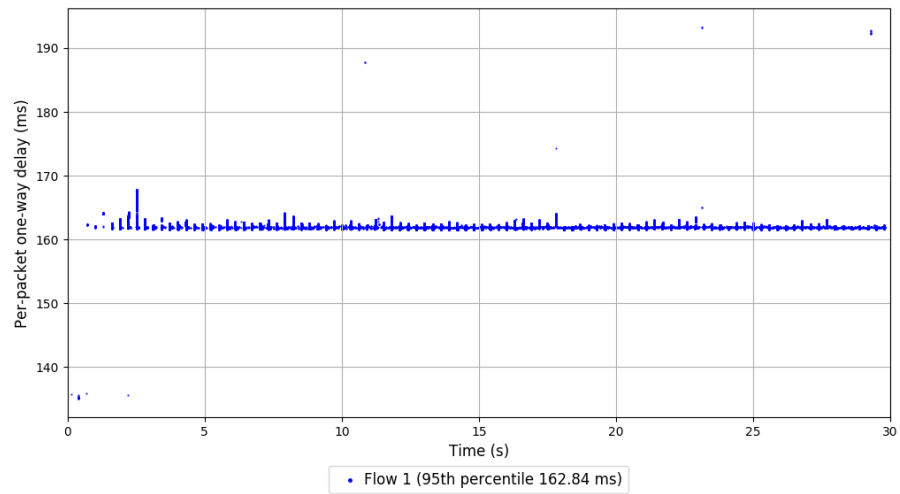
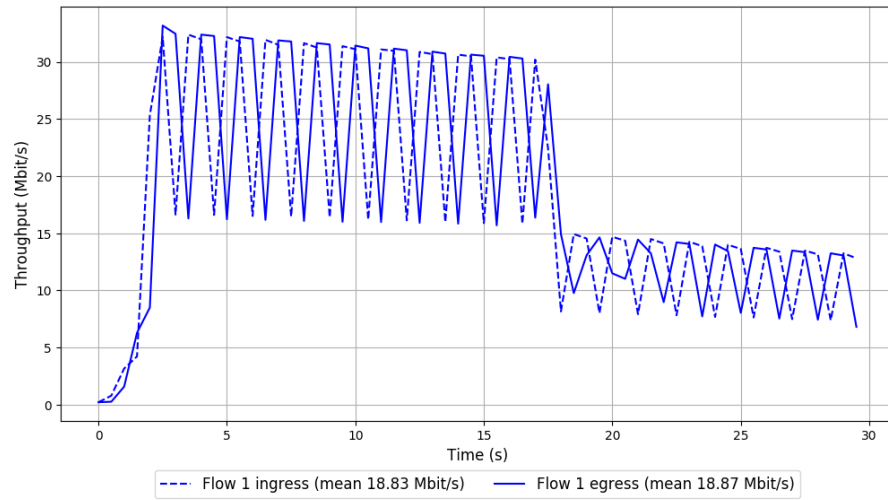
-- Flow 1:

Average throughput: 18.87 Mbit/s

95th percentile per-packet one-way delay: 162.841 ms

Loss rate: 0.71%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-01-26 05:12:03

End at: 2018-01-26 05:12:33

Below is generated by plot.py at 2018-01-26 08:08:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.67 Mbit/s

95th percentile per-packet one-way delay: 162.247 ms

Loss rate: 1.00%

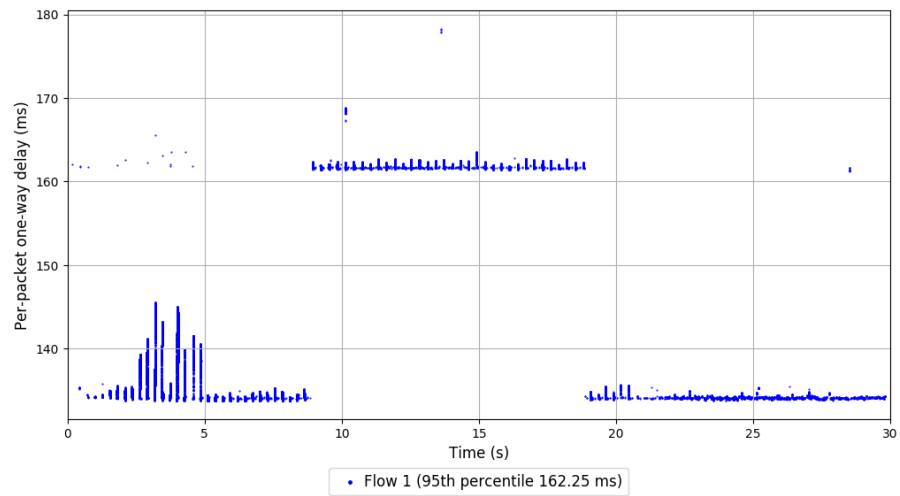
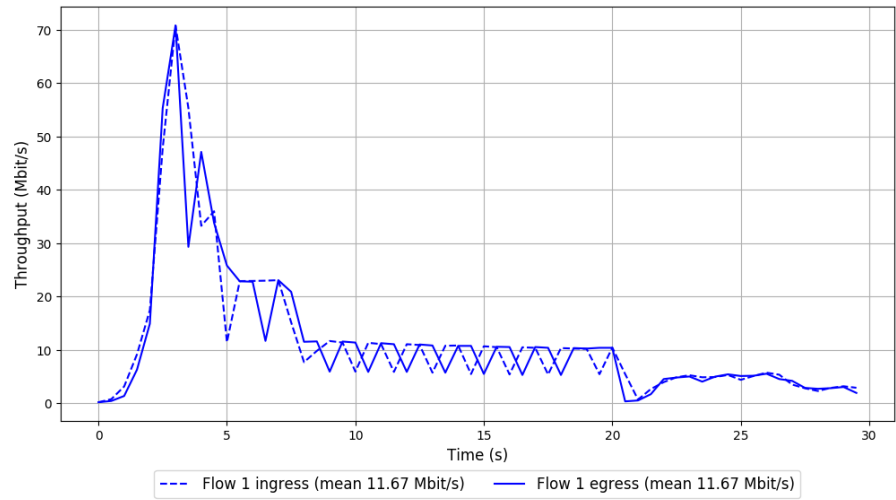
-- Flow 1:

Average throughput: 11.67 Mbit/s

95th percentile per-packet one-way delay: 162.247 ms

Loss rate: 1.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-01-26 05:24:41

End at: 2018-01-26 05:25:11

Below is generated by plot.py at 2018-01-26 08:08:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 162.055 ms

Loss rate: 0.90%

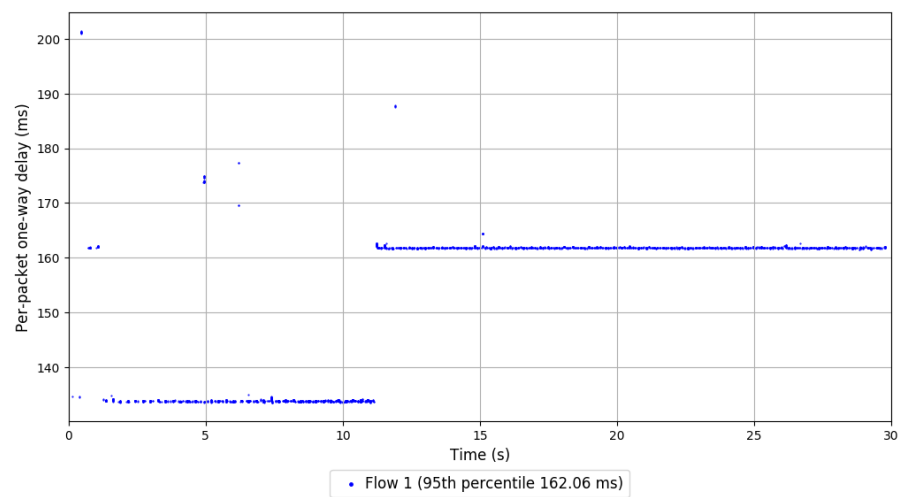
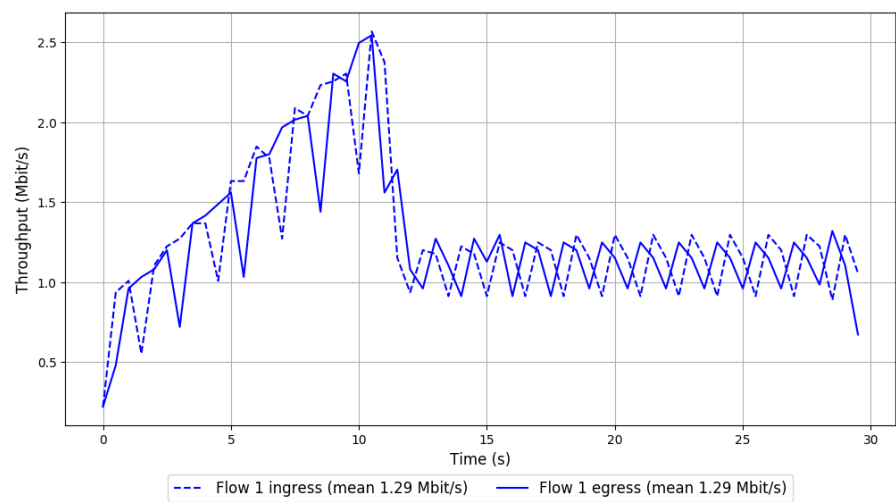
-- Flow 1:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 162.055 ms

Loss rate: 0.90%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-01-26 05:37:38

End at: 2018-01-26 05:38:08

Below is generated by plot.py at 2018-01-26 08:08:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 161.825 ms

Loss rate: 1.45%

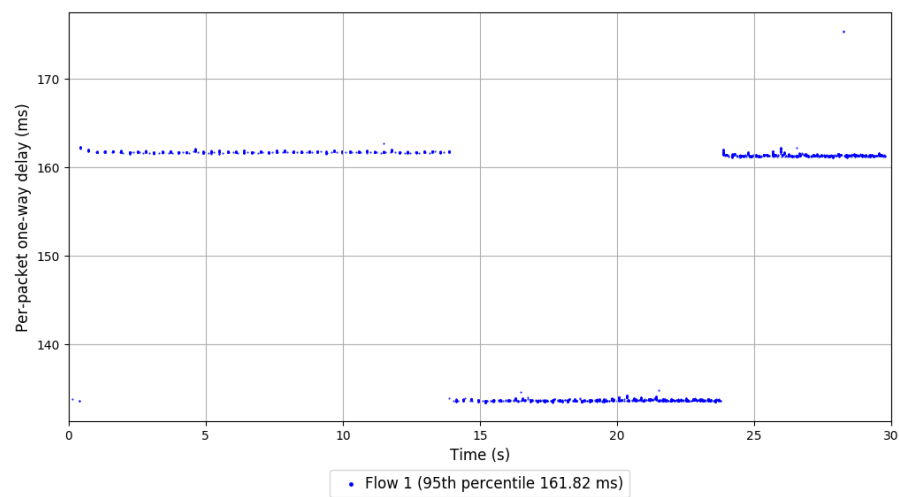
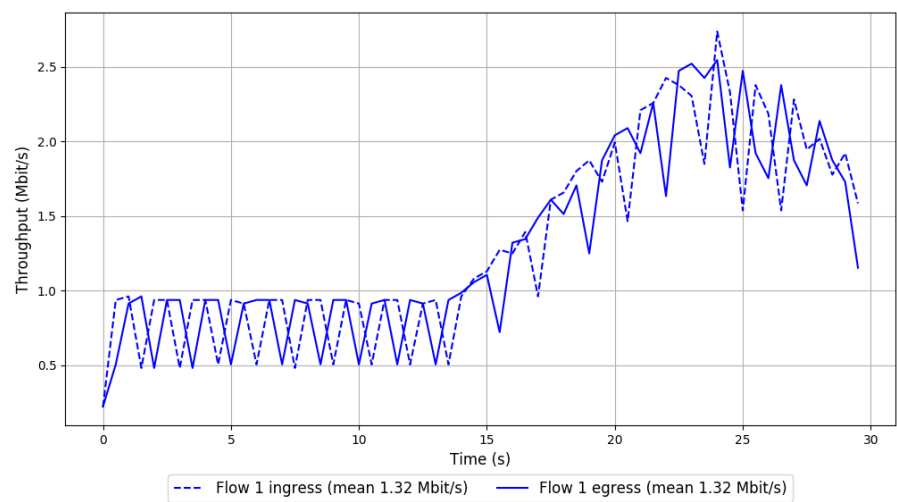
-- Flow 1:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 161.825 ms

Loss rate: 1.45%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-01-26 03:42:33

End at: 2018-01-26 03:43:03

Below is generated by plot.py at 2018-01-26 08:08:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.46 Mbit/s

95th percentile per-packet one-way delay: 246.646 ms

Loss rate: 0.91%

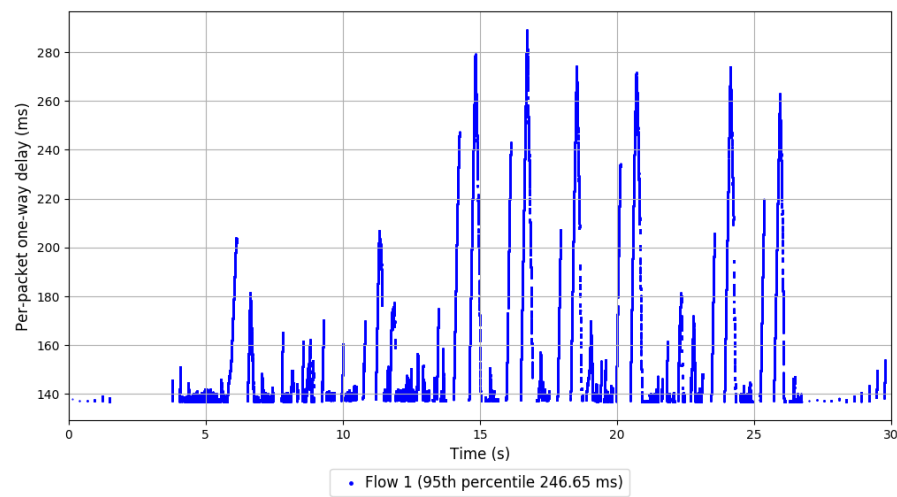
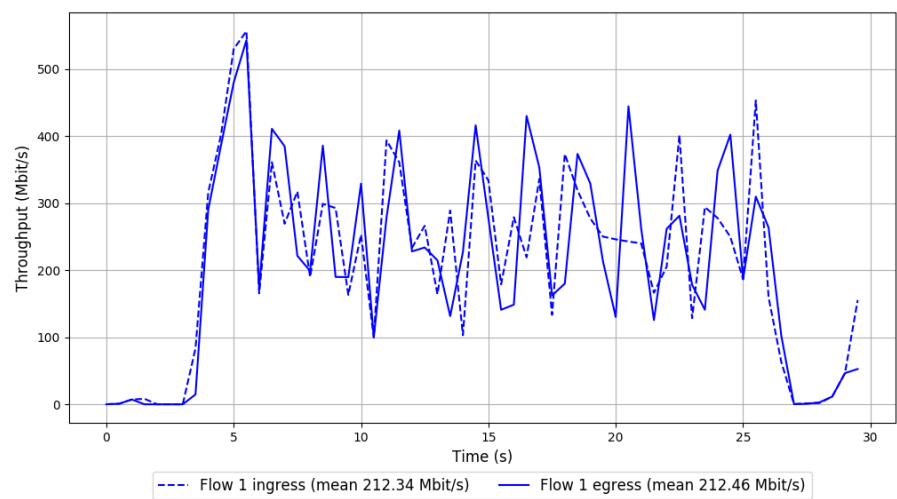
-- Flow 1:

Average throughput: 212.46 Mbit/s

95th percentile per-packet one-way delay: 246.646 ms

Loss rate: 0.91%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-01-26 03:55:37

End at: 2018-01-26 03:56:07

Below is generated by plot.py at 2018-01-26 08:08:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 127.61 Mbit/s

95th percentile per-packet one-way delay: 169.022 ms

Loss rate: 1.96%

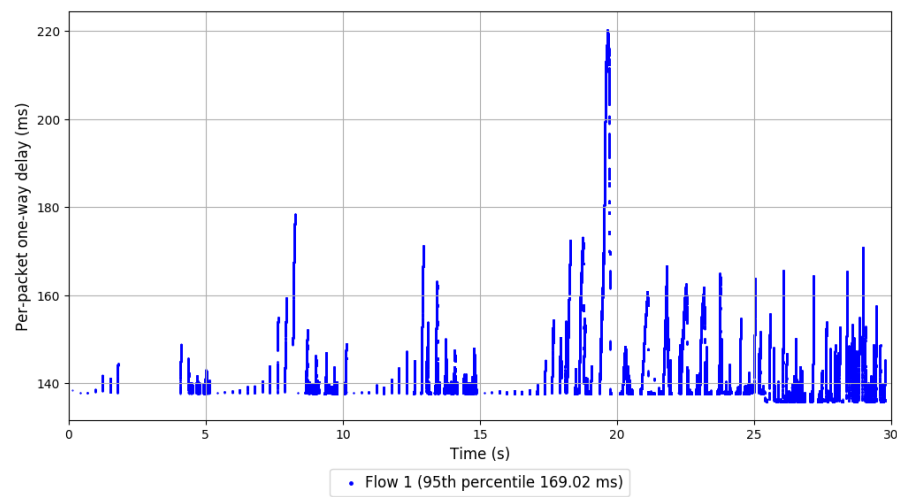
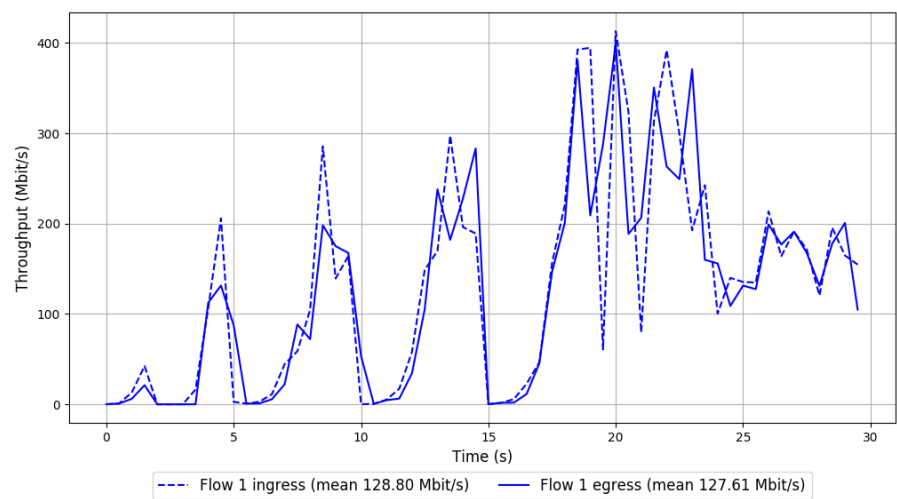
-- Flow 1:

Average throughput: 127.61 Mbit/s

95th percentile per-packet one-way delay: 169.022 ms

Loss rate: 1.96%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-01-26 04:08:35

End at: 2018-01-26 04:09:05

Below is generated by plot.py at 2018-01-26 08:08:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 148.94 Mbit/s

95th percentile per-packet one-way delay: 149.591 ms

Loss rate: 2.33%

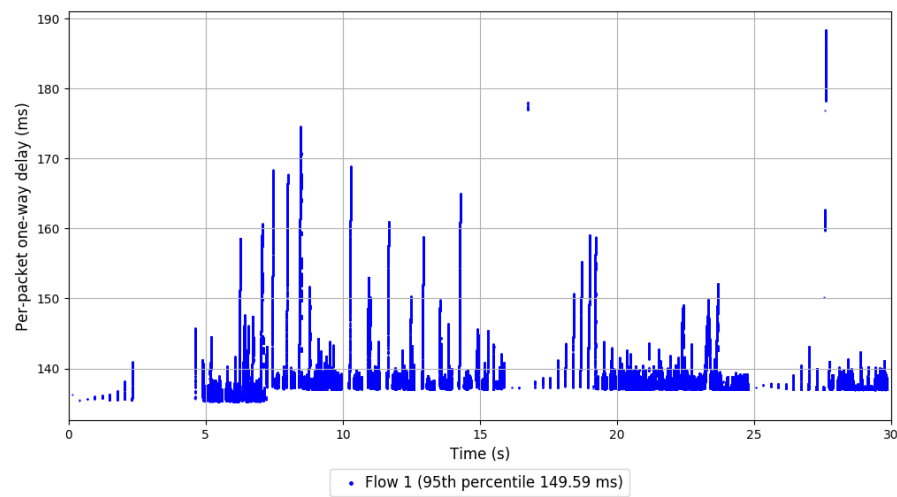
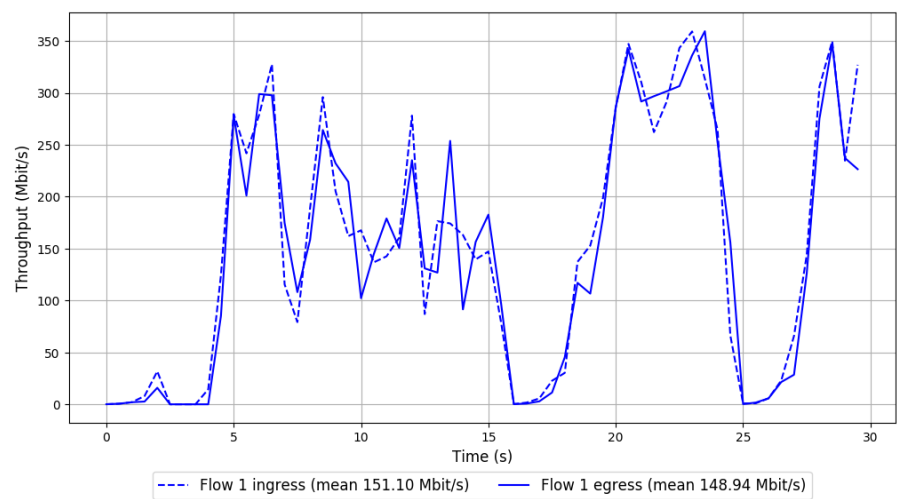
-- Flow 1:

Average throughput: 148.94 Mbit/s

95th percentile per-packet one-way delay: 149.591 ms

Loss rate: 2.33%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-01-26 04:21:48

End at: 2018-01-26 04:22:18

Below is generated by plot.py at 2018-01-26 08:08:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.89 Mbit/s

95th percentile per-packet one-way delay: 246.411 ms

Loss rate: 1.64%

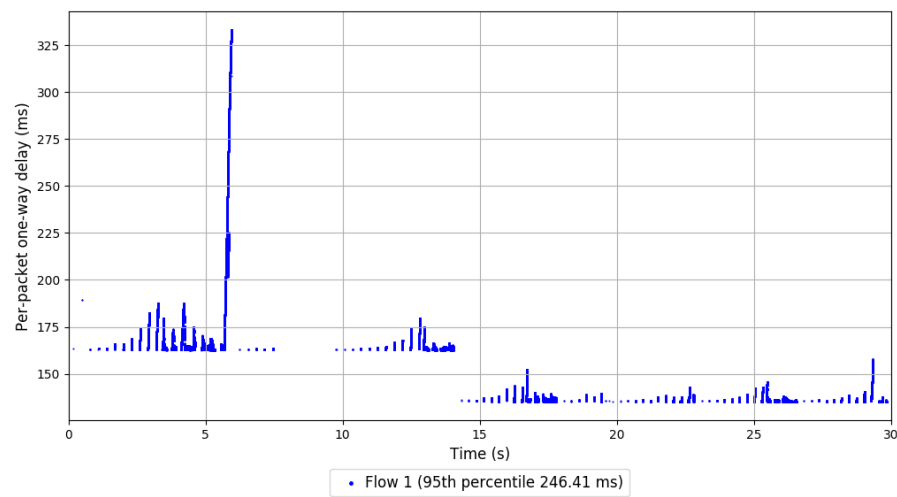
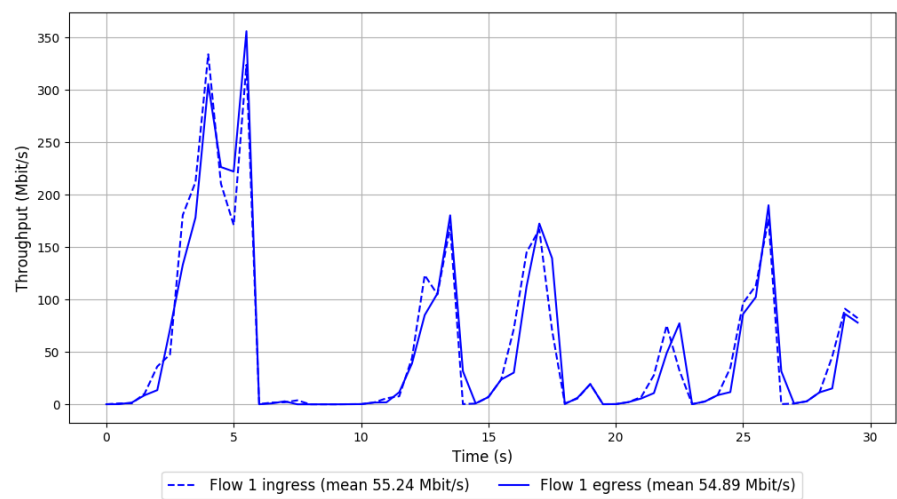
-- Flow 1:

Average throughput: 54.89 Mbit/s

95th percentile per-packet one-way delay: 246.411 ms

Loss rate: 1.64%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-01-26 04:34:32

End at: 2018-01-26 04:35:02

Below is generated by plot.py at 2018-01-26 08:08:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.54 Mbit/s

95th percentile per-packet one-way delay: 172.177 ms

Loss rate: 0.13%

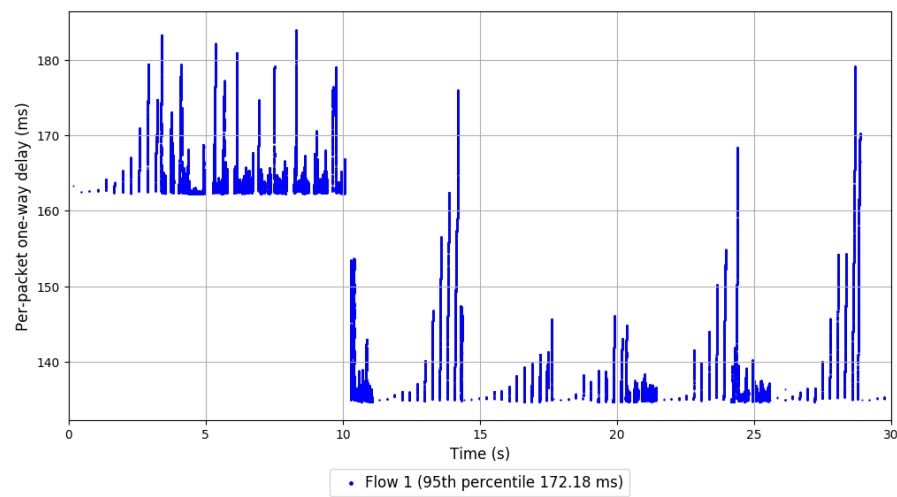
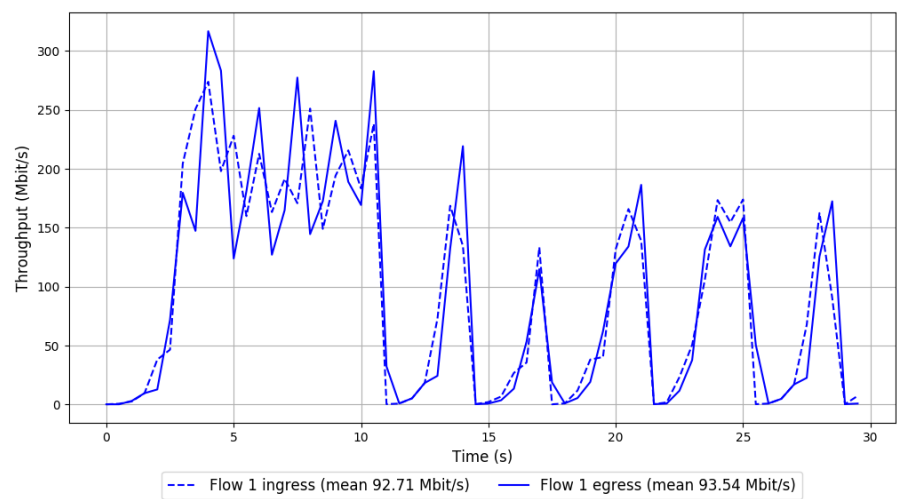
-- Flow 1:

Average throughput: 93.54 Mbit/s

95th percentile per-packet one-way delay: 172.177 ms

Loss rate: 0.13%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-01-26 04:47:30

End at: 2018-01-26 04:48:00

Below is generated by plot.py at 2018-01-26 08:08:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.07 Mbit/s

95th percentile per-packet one-way delay: 185.545 ms

Loss rate: 2.69%

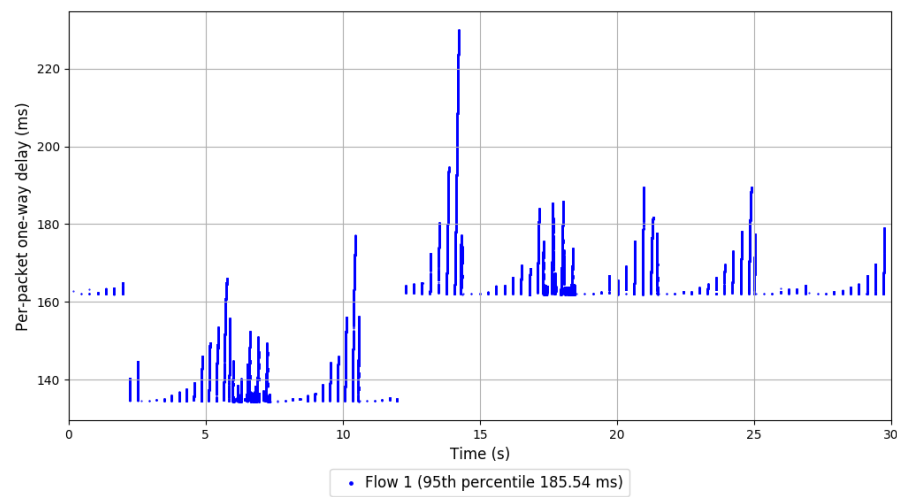
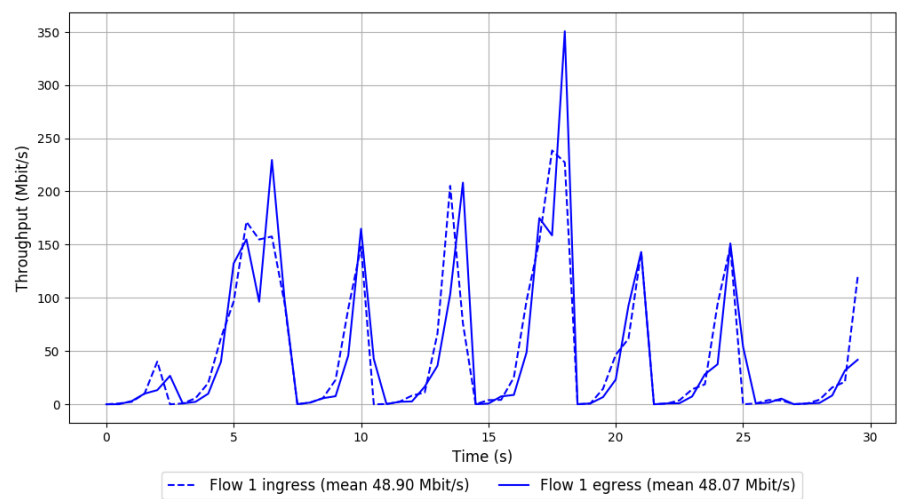
-- Flow 1:

Average throughput: 48.07 Mbit/s

95th percentile per-packet one-way delay: 185.545 ms

Loss rate: 2.69%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-01-26 04:59:57

End at: 2018-01-26 05:00:27

Below is generated by plot.py at 2018-01-26 08:09:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 193.14 Mbit/s

95th percentile per-packet one-way delay: 250.714 ms

Loss rate: 2.56%

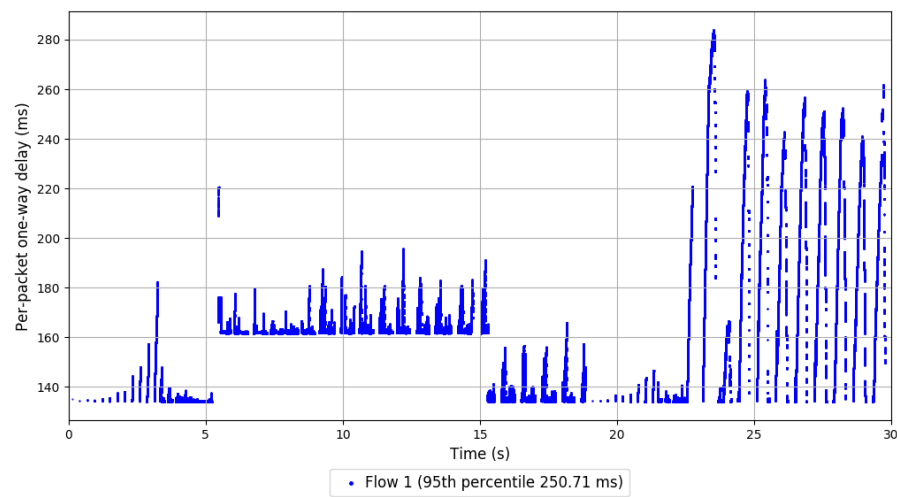
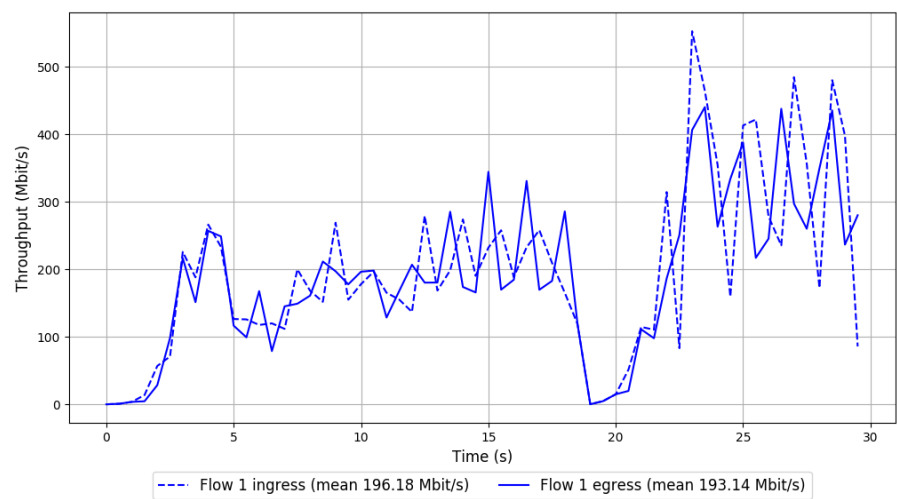
-- Flow 1:

Average throughput: 193.14 Mbit/s

95th percentile per-packet one-way delay: 250.714 ms

Loss rate: 2.56%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-01-26 05:12:48

End at: 2018-01-26 05:13:18

Below is generated by plot.py at 2018-01-26 08:09:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.68 Mbit/s

95th percentile per-packet one-way delay: 269.825 ms

Loss rate: 3.57%

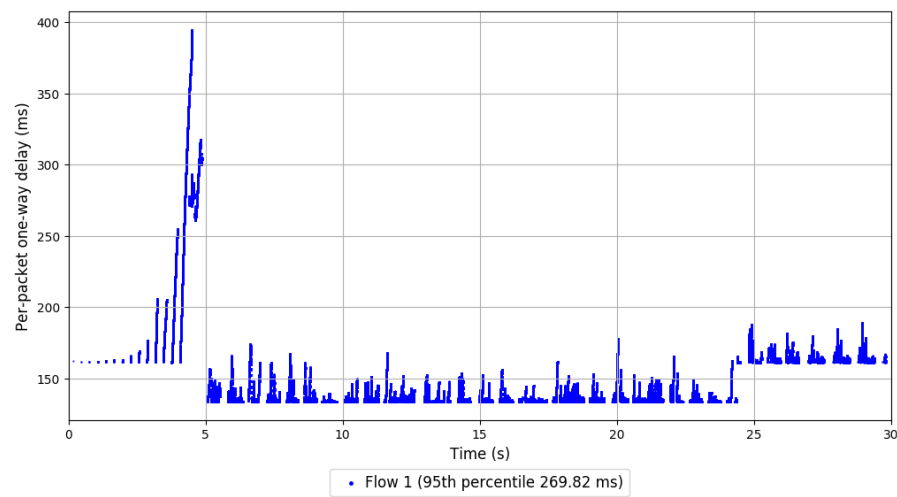
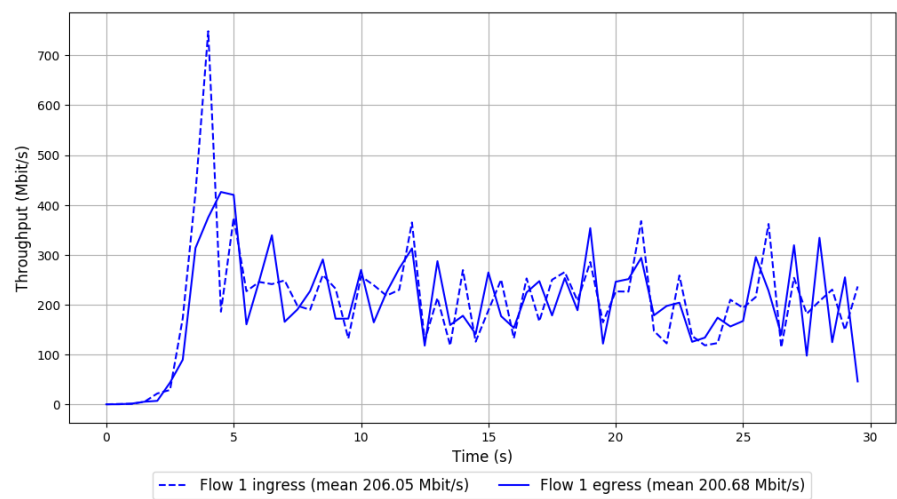
-- Flow 1:

Average throughput: 200.68 Mbit/s

95th percentile per-packet one-way delay: 269.825 ms

Loss rate: 3.57%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-01-26 05:25:23

End at: 2018-01-26 05:25:53

Below is generated by plot.py at 2018-01-26 08:09:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.65 Mbit/s

95th percentile per-packet one-way delay: 171.933 ms

Loss rate: 1.37%

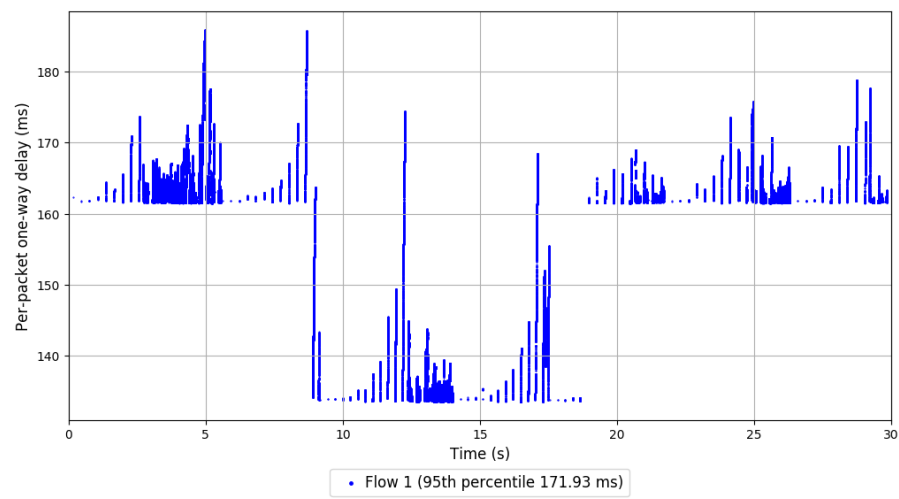
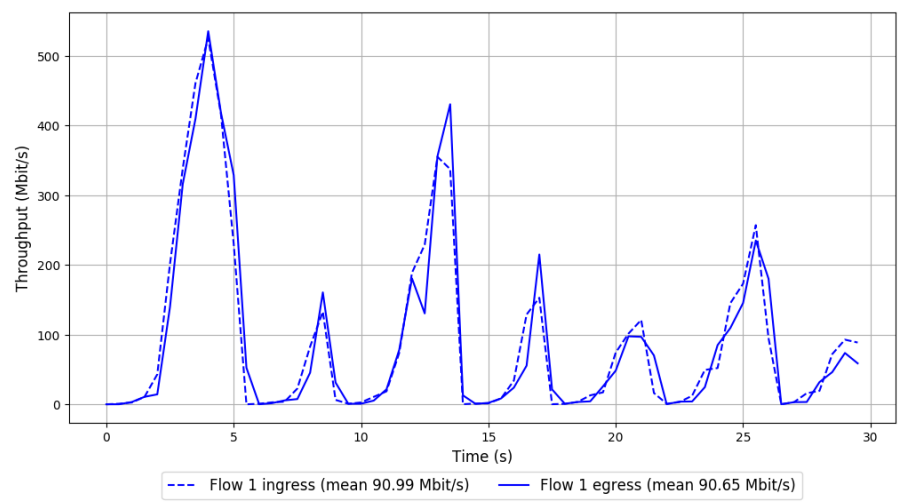
-- Flow 1:

Average throughput: 90.65 Mbit/s

95th percentile per-packet one-way delay: 171.933 ms

Loss rate: 1.37%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-01-26 05:38:22

End at: 2018-01-26 05:38:52

Below is generated by plot.py at 2018-01-26 08:10:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.53 Mbit/s

95th percentile per-packet one-way delay: 237.326 ms

Loss rate: 1.47%

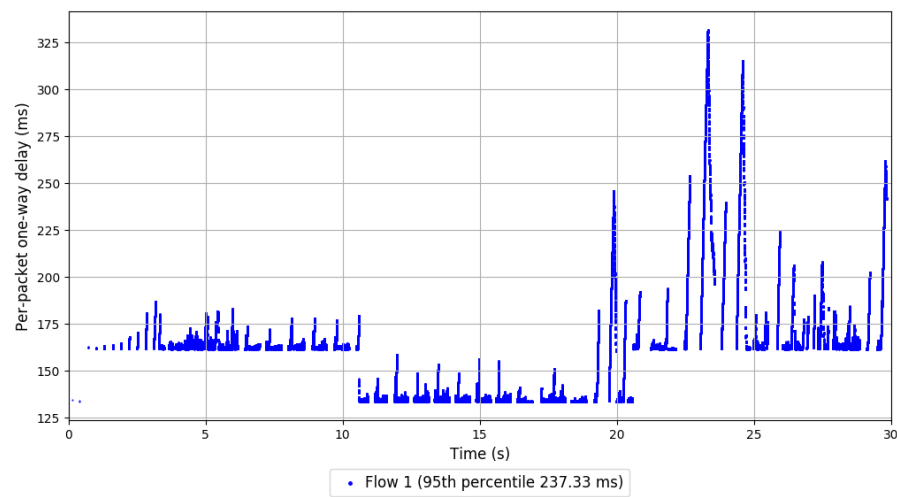
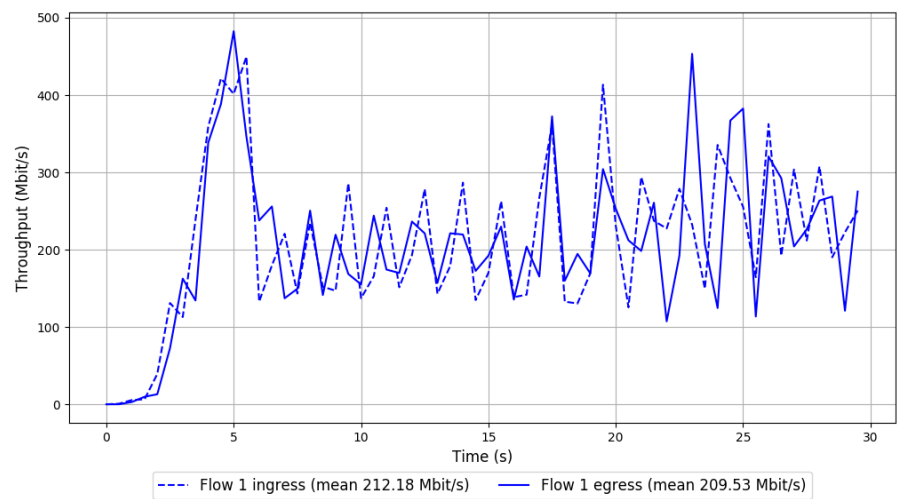
-- Flow 1:

Average throughput: 209.53 Mbit/s

95th percentile per-packet one-way delay: 237.326 ms

Loss rate: 1.47%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-01-26 03:38:40

End at: 2018-01-26 03:39:10

Below is generated by plot.py at 2018-01-26 08:10:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.19 Mbit/s

95th percentile per-packet one-way delay: 138.287 ms

Loss rate: 0.59%

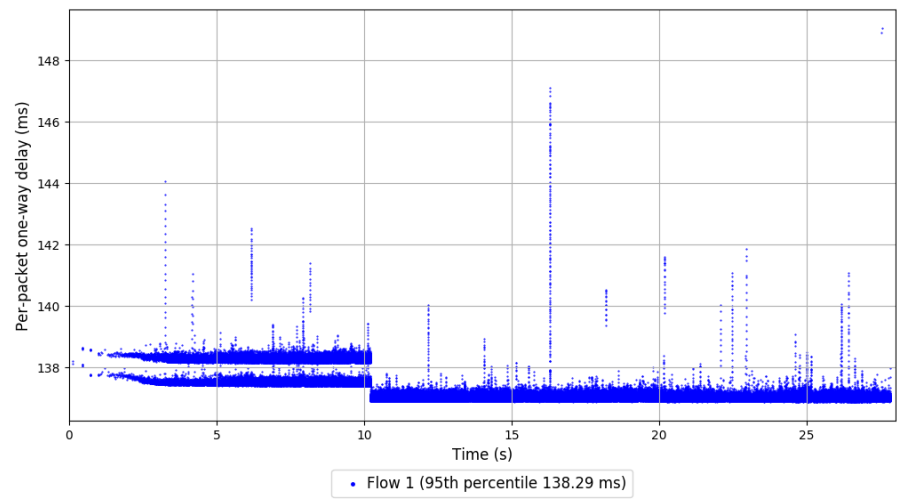
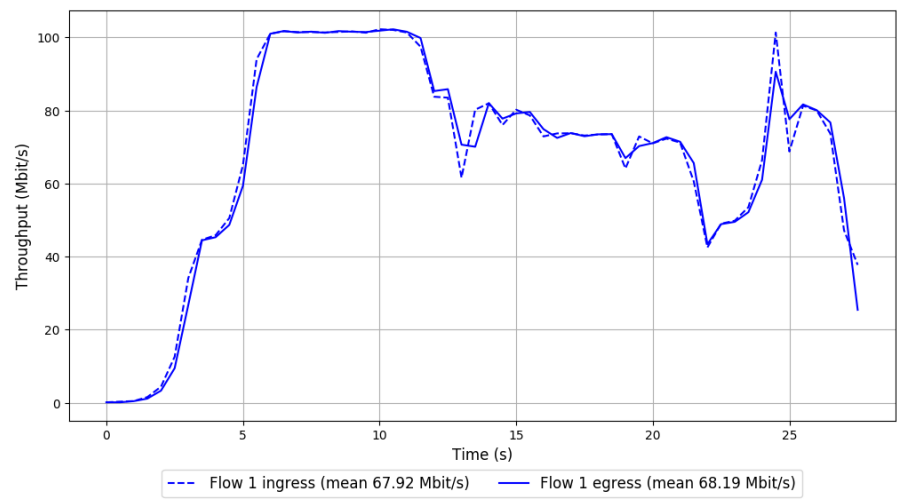
-- Flow 1:

Average throughput: 68.19 Mbit/s

95th percentile per-packet one-way delay: 138.287 ms

Loss rate: 0.59%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-01-26 03:51:42

End at: 2018-01-26 03:52:13

Below is generated by plot.py at 2018-01-26 08:10:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.09 Mbit/s

95th percentile per-packet one-way delay: 137.925 ms

Loss rate: 0.57%

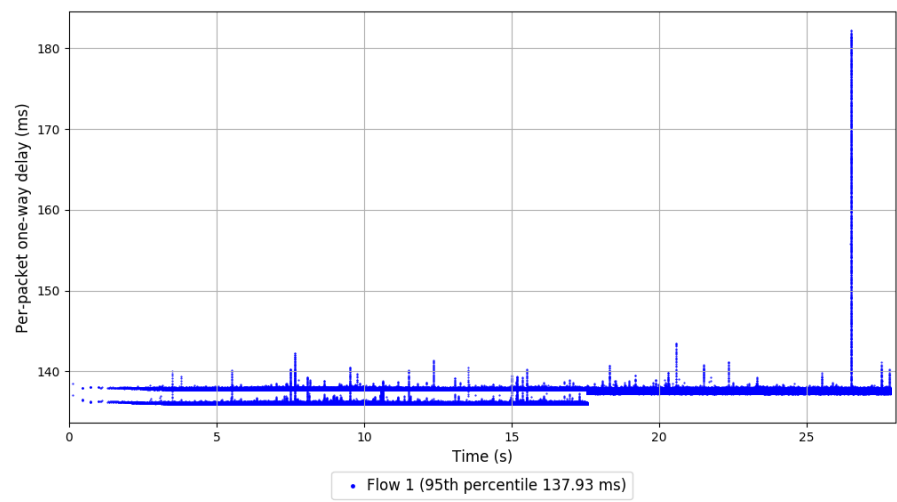
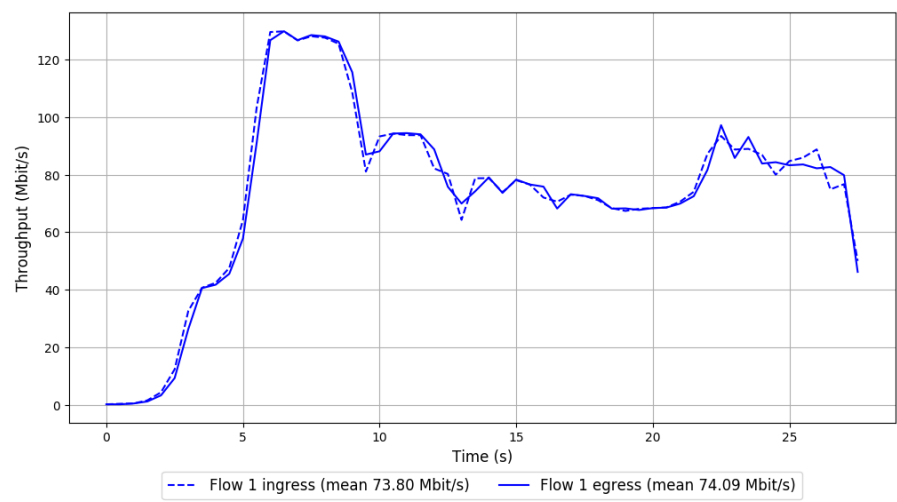
-- Flow 1:

Average throughput: 74.09 Mbit/s

95th percentile per-packet one-way delay: 137.925 ms

Loss rate: 0.57%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-01-26 04:04:43

End at: 2018-01-26 04:05:13

Below is generated by plot.py at 2018-01-26 08:10:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.70 Mbit/s

95th percentile per-packet one-way delay: 137.294 ms

Loss rate: 1.12%

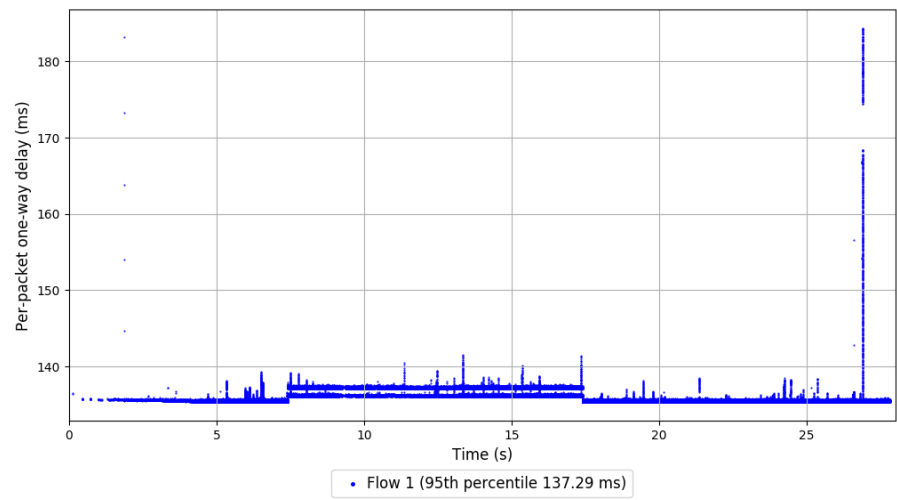
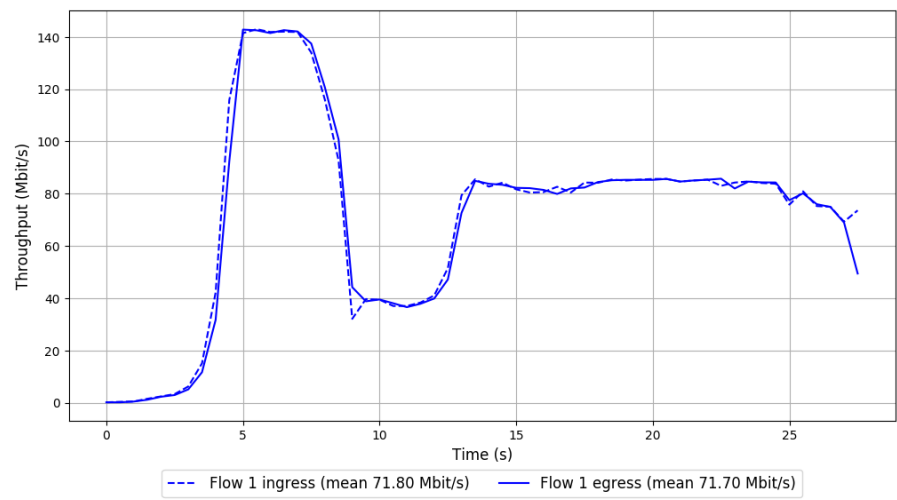
-- Flow 1:

Average throughput: 71.70 Mbit/s

95th percentile per-packet one-way delay: 137.294 ms

Loss rate: 1.12%

Run 3: Report of Copa — Data Link

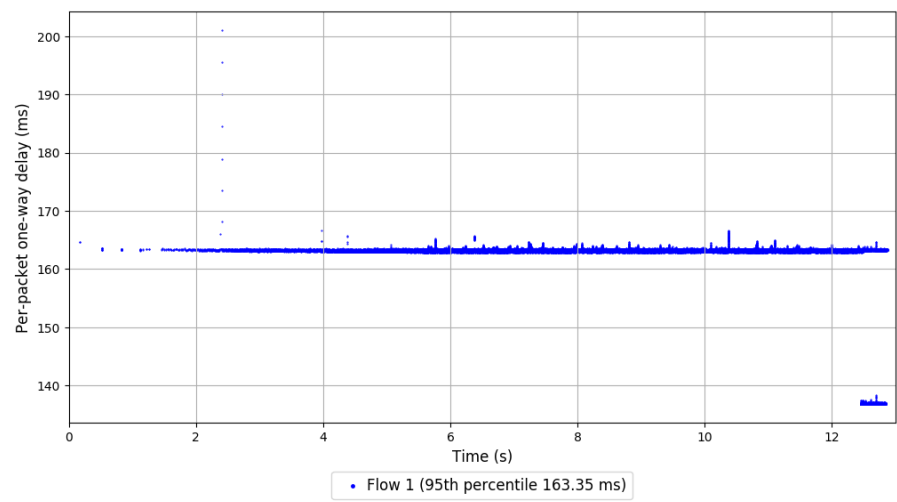
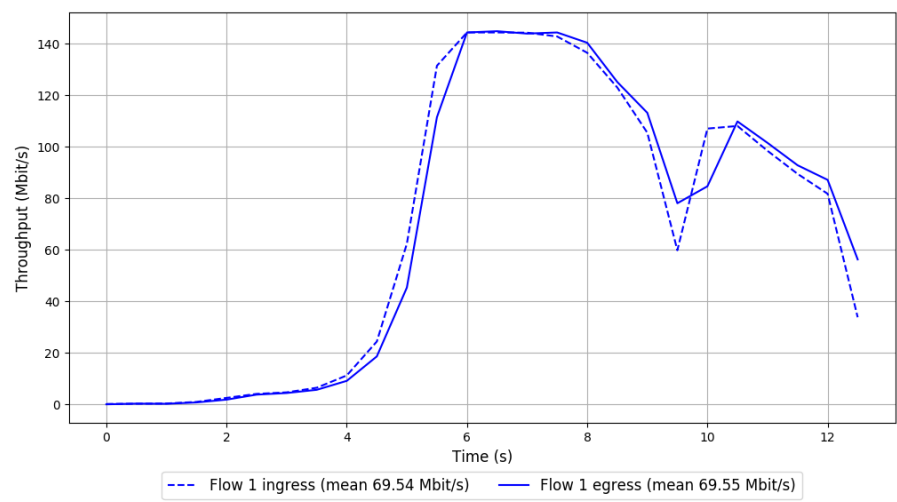


Run 4: Statistics of Copa

Start at: 2018-01-26 04:17:58

End at: 2018-01-26 04:18:28

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-01-26 04:30:45

End at: 2018-01-26 04:31:15

Below is generated by plot.py at 2018-01-26 08:10:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.36 Mbit/s

95th percentile per-packet one-way delay: 162.505 ms

Loss rate: 0.49%

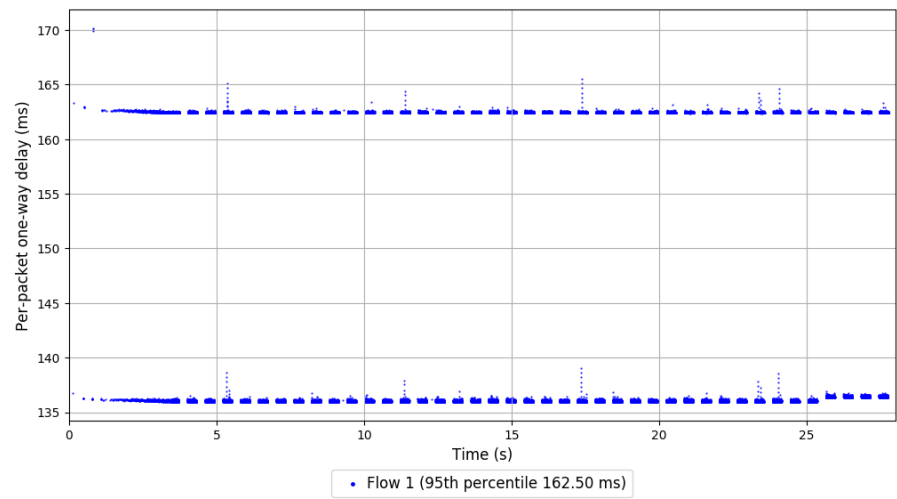
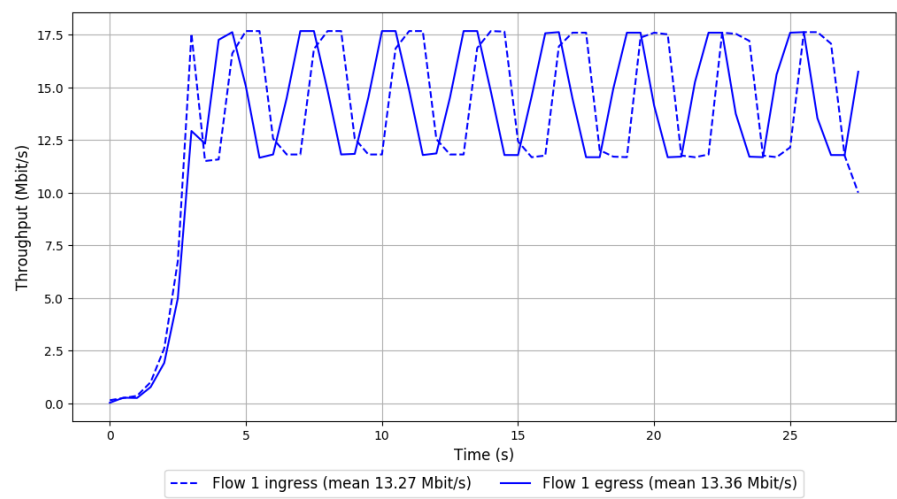
-- Flow 1:

Average throughput: 13.36 Mbit/s

95th percentile per-packet one-way delay: 162.505 ms

Loss rate: 0.49%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-01-26 04:43:36

End at: 2018-01-26 04:44:06

Below is generated by plot.py at 2018-01-26 08:10:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.26 Mbit/s

95th percentile per-packet one-way delay: 136.537 ms

Loss rate: 0.00%

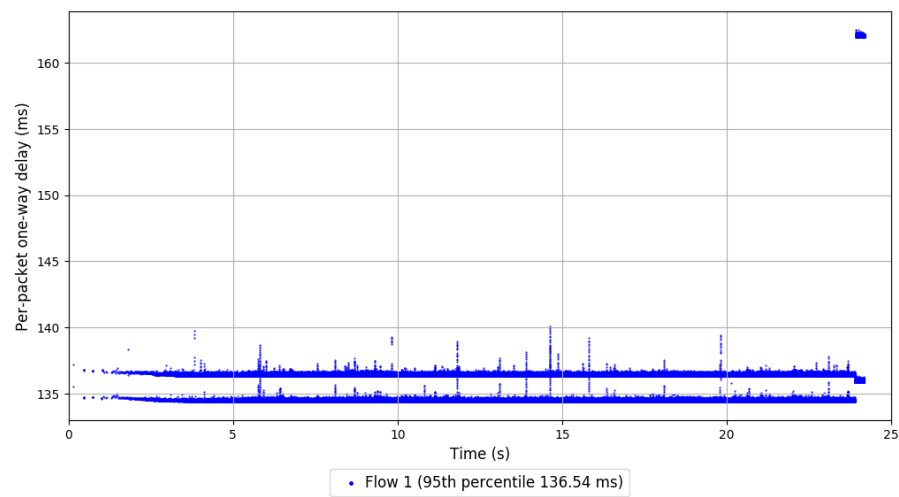
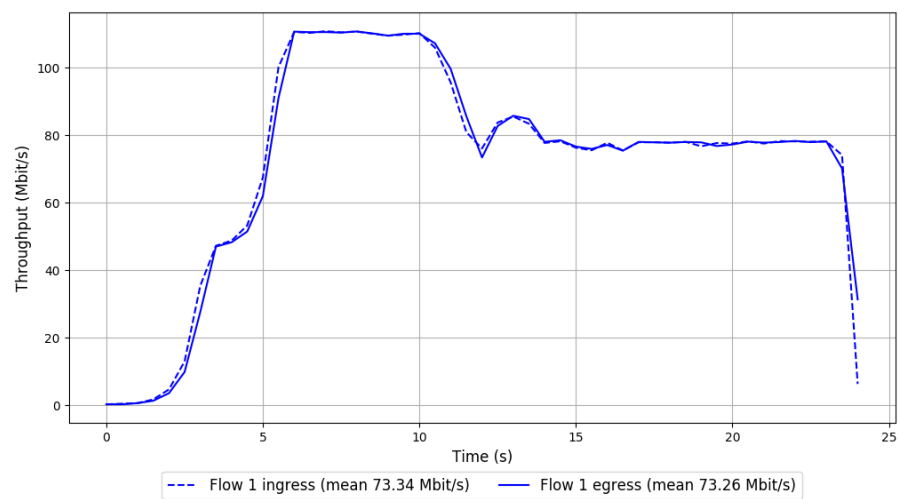
-- Flow 1:

Average throughput: 73.26 Mbit/s

95th percentile per-packet one-way delay: 136.537 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-01-26 04:56:02

End at: 2018-01-26 04:56:32

Below is generated by plot.py at 2018-01-26 08:11:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.06 Mbit/s

95th percentile per-packet one-way delay: 135.616 ms

Loss rate: 0.36%

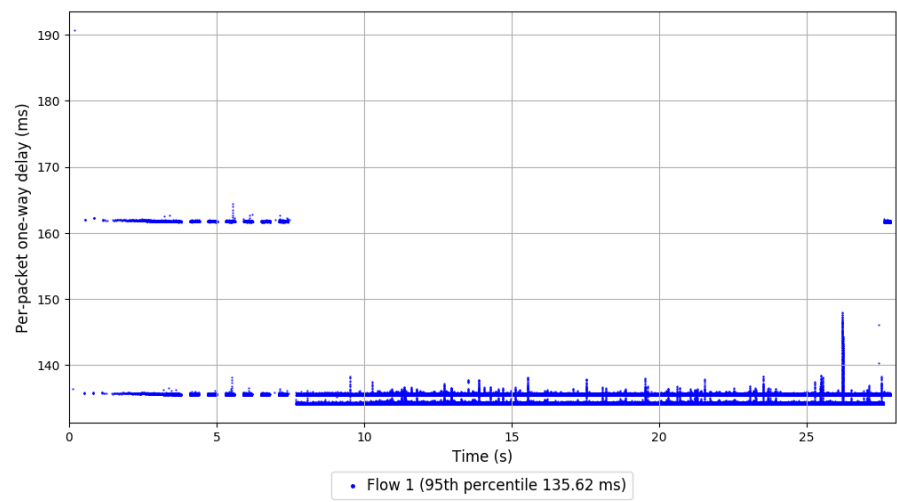
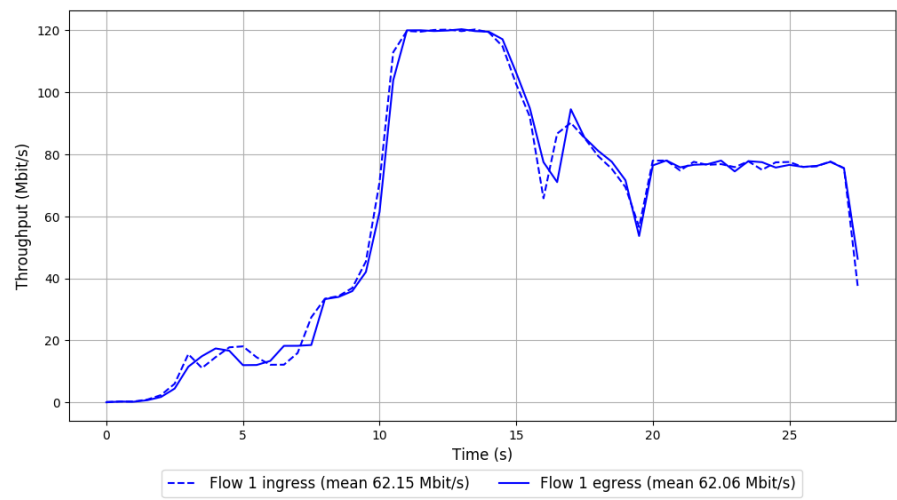
-- Flow 1:

Average throughput: 62.06 Mbit/s

95th percentile per-packet one-way delay: 135.616 ms

Loss rate: 0.36%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-01-26 05:08:59

End at: 2018-01-26 05:09:29

Below is generated by plot.py at 2018-01-26 08:11:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.50 Mbit/s

95th percentile per-packet one-way delay: 161.767 ms

Loss rate: 1.84%

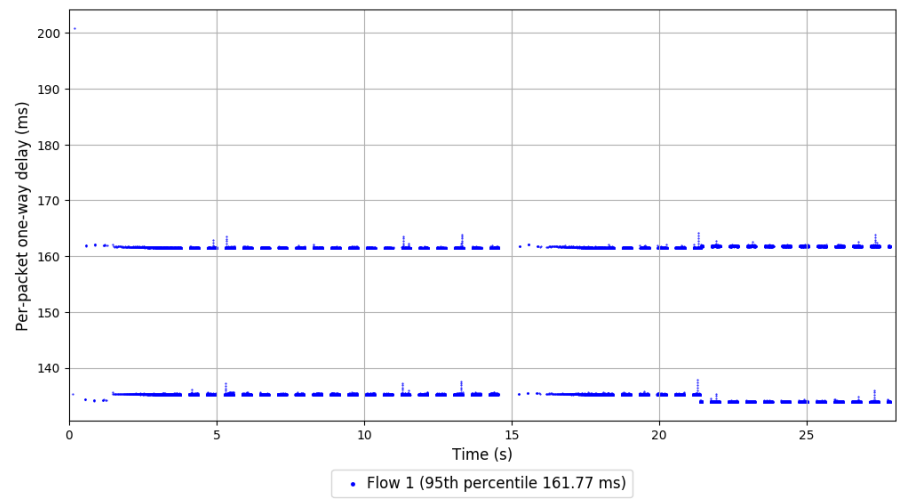
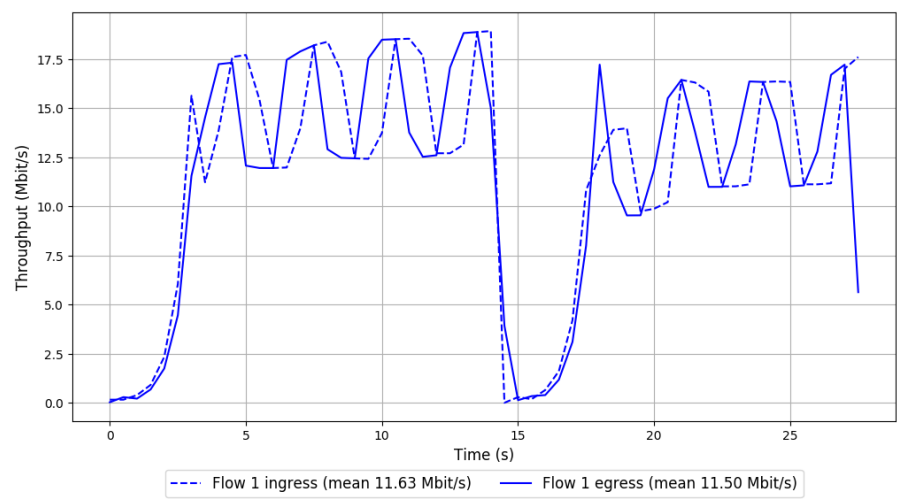
-- Flow 1:

Average throughput: 11.50 Mbit/s

95th percentile per-packet one-way delay: 161.767 ms

Loss rate: 1.84%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-01-26 05:21:36

End at: 2018-01-26 05:22:06

Below is generated by plot.py at 2018-01-26 08:11:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 25.80 Mbit/s

95th percentile per-packet one-way delay: 161.634 ms

Loss rate: 4.19%

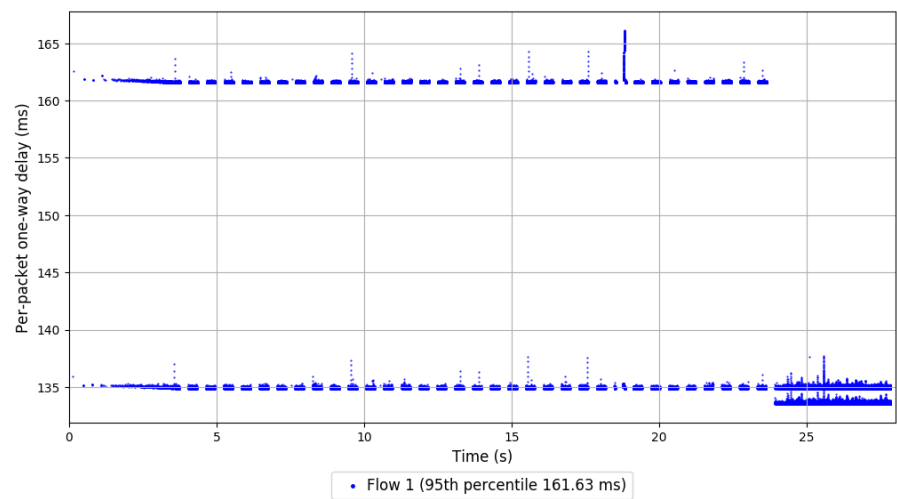
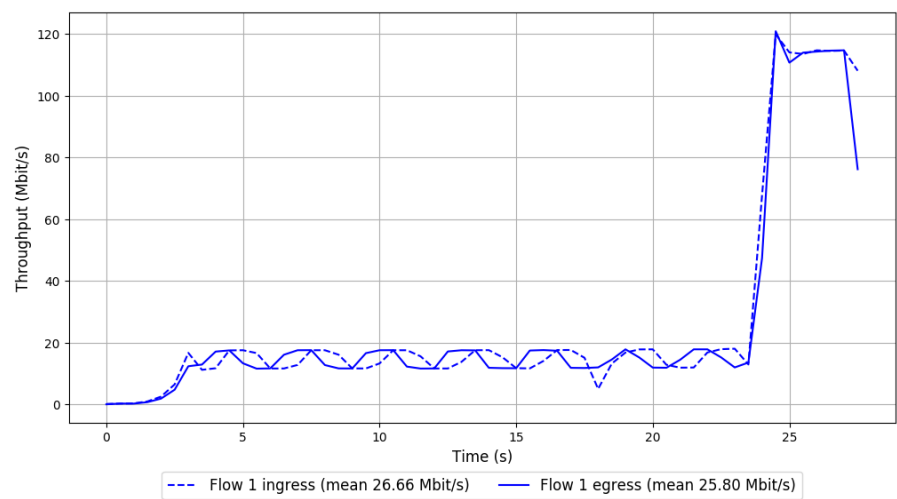
-- Flow 1:

Average throughput: 25.80 Mbit/s

95th percentile per-packet one-way delay: 161.634 ms

Loss rate: 4.19%

Run 9: Report of Copa — Data Link

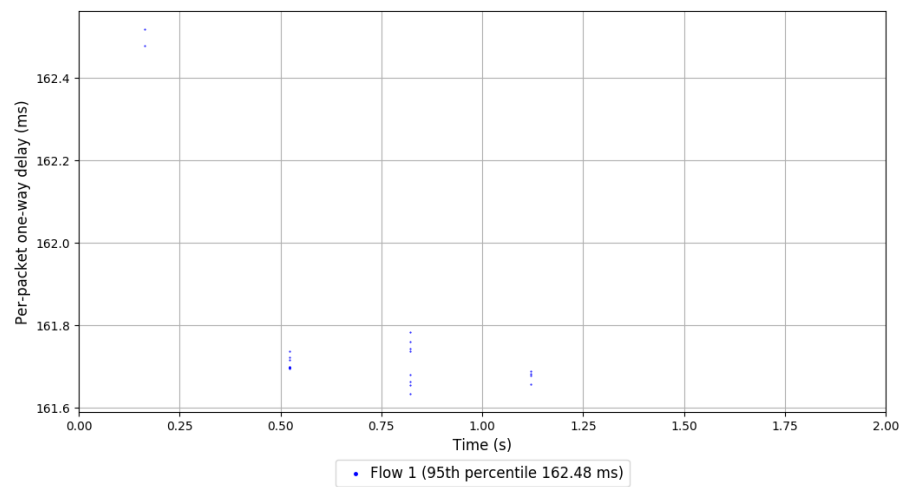
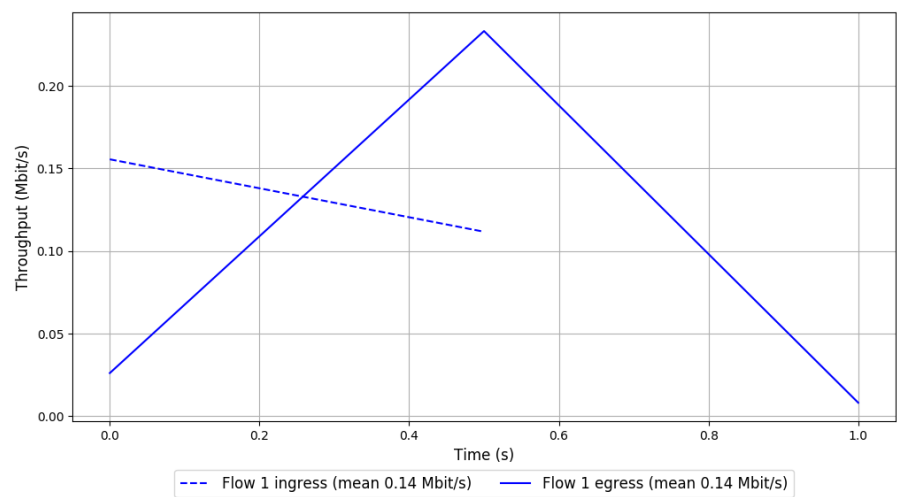


Run 10: Statistics of Copa

Start at: 2018-01-26 05:34:36

End at: 2018-01-26 05:35:06

Run 10: Report of Copa — Data Link

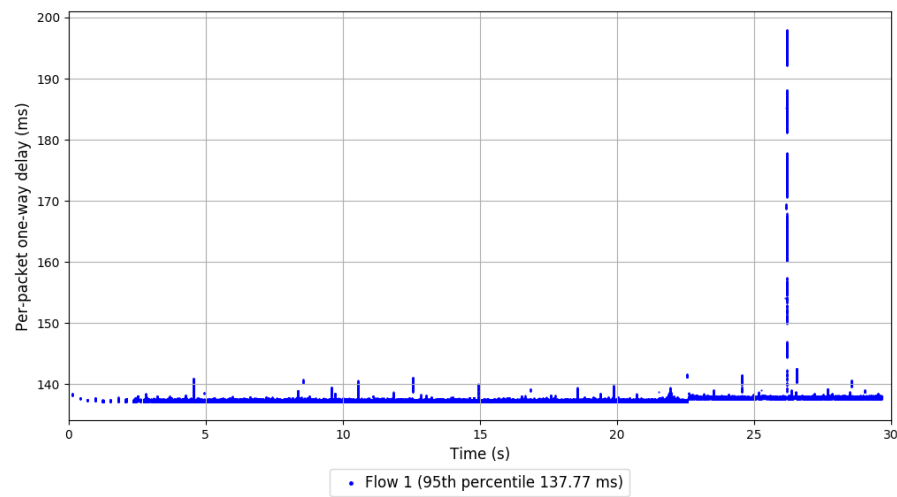
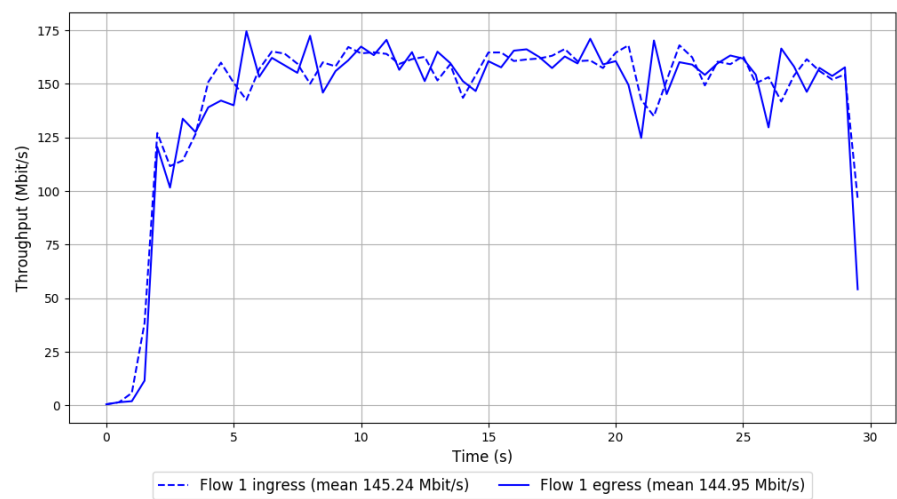


```
Run 1: Statistics of Indigo-2-256

Start at: 2018-01-26 03:35:29
End at: 2018-01-26 03:35:59

# Below is generated by plot.py at 2018-01-26 08:12:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 144.95 Mbit/s
95th percentile per-packet one-way delay: 137.769 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 144.95 Mbit/s
95th percentile per-packet one-way delay: 137.769 ms
Loss rate: 1.10%
```


Run 1: Report of Indigo-2-256 — Data Link

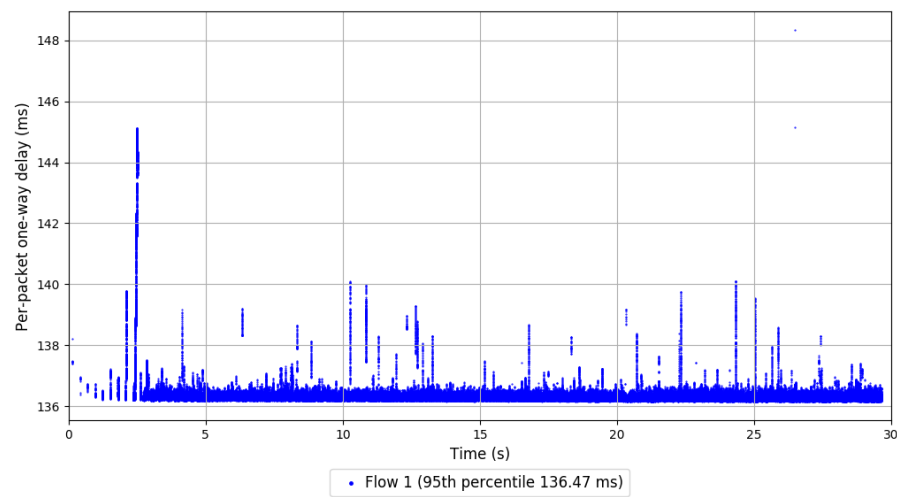
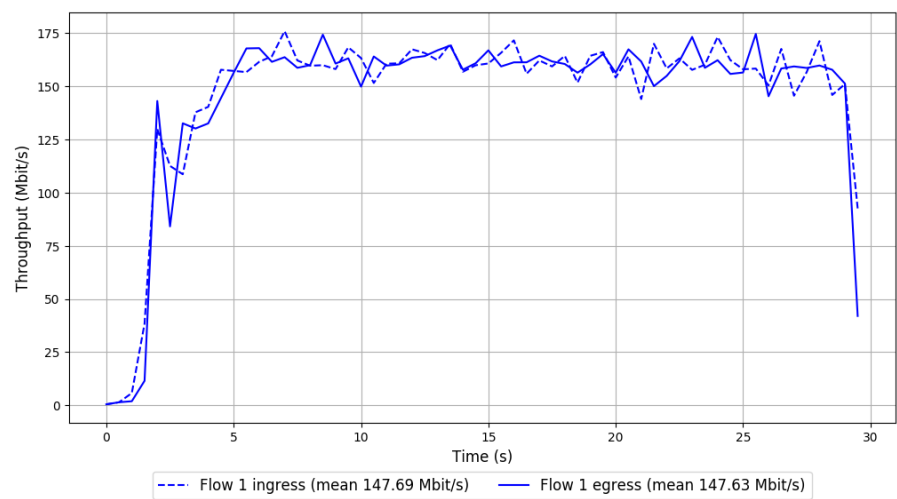


```
Run 2: Statistics of Indigo-2-256

Start at: 2018-01-26 03:48:32
End at: 2018-01-26 03:49:02

# Below is generated by plot.py at 2018-01-26 08:12:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 147.63 Mbit/s
95th percentile per-packet one-way delay: 136.472 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 147.63 Mbit/s
95th percentile per-packet one-way delay: 136.472 ms
Loss rate: 0.97%
```

Run 2: Report of Indigo-2-256 — Data Link



Run 3: Statistics of Indigo-2-256

Start at: 2018-01-26 04:01:33

End at: 2018-01-26 04:02:03

Below is generated by plot.py at 2018-01-26 08:12:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 135.97 Mbit/s

95th percentile per-packet one-way delay: 137.496 ms

Loss rate: 0.91%

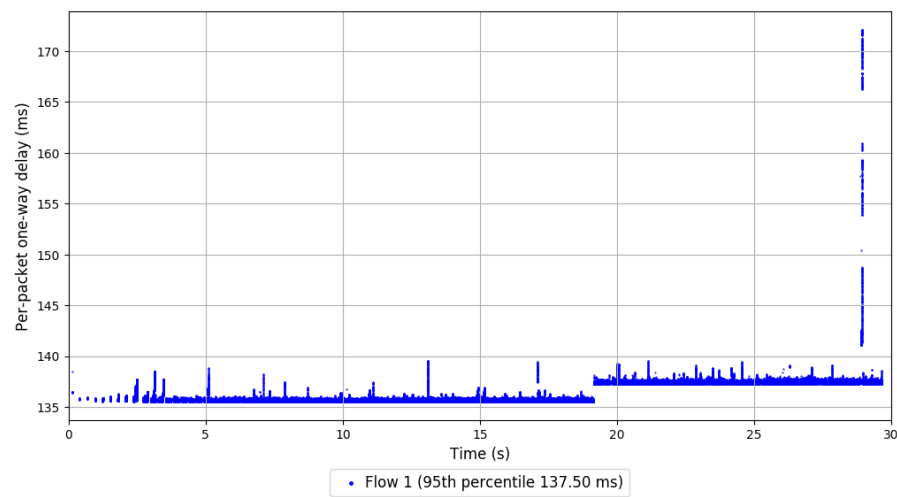
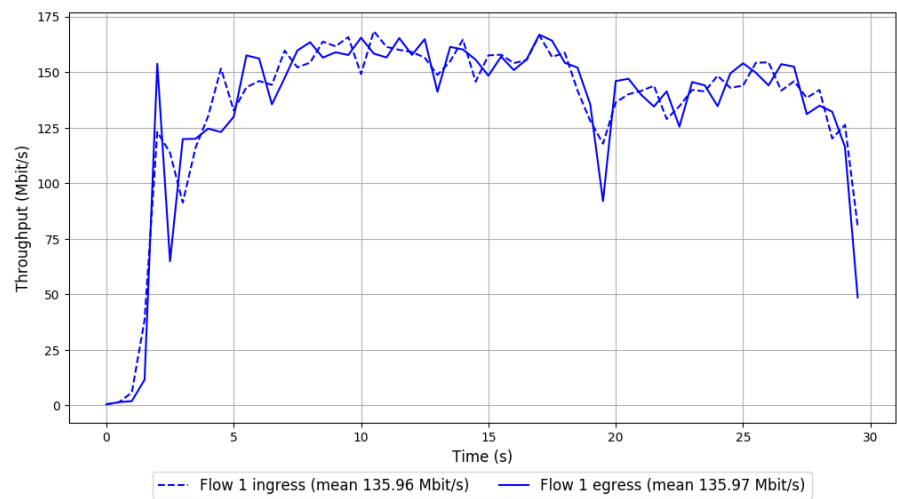
-- Flow 1:

Average throughput: 135.97 Mbit/s

95th percentile per-packet one-way delay: 137.496 ms

Loss rate: 0.91%

Run 3: Report of Indigo-2-256 — Data Link



Run 4: Statistics of Indigo-2-256

Start at: 2018-01-26 04:14:47

End at: 2018-01-26 04:15:17

Below is generated by plot.py at 2018-01-26 08:12:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 144.98 Mbit/s

95th percentile per-packet one-way delay: 136.932 ms

Loss rate: 1.02%

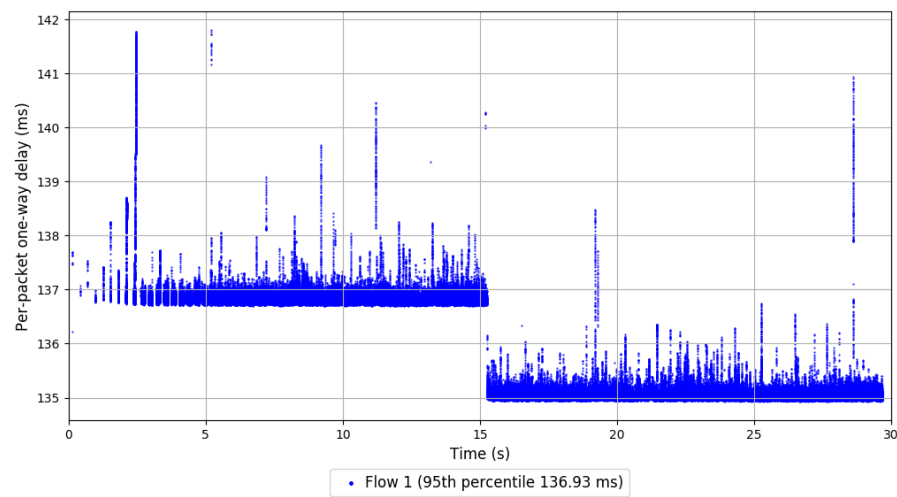
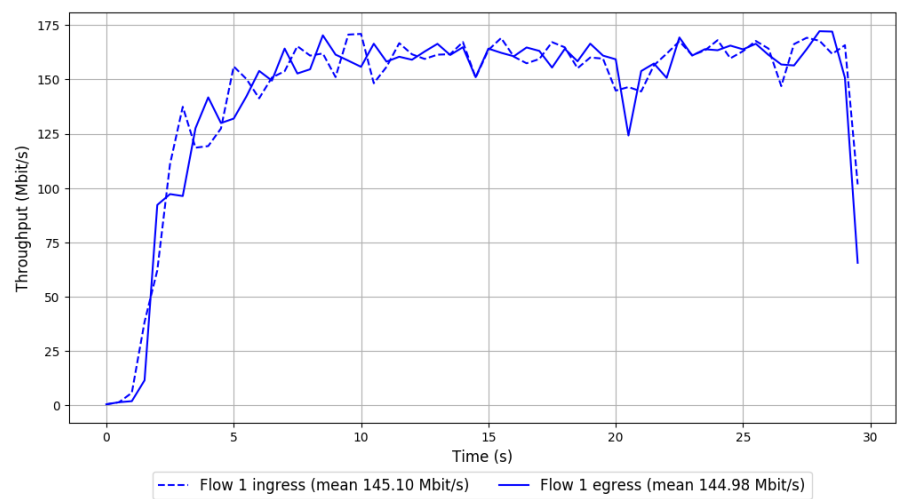
-- Flow 1:

Average throughput: 144.98 Mbit/s

95th percentile per-packet one-way delay: 136.932 ms

Loss rate: 1.02%

Run 4: Report of Indigo-2-256 — Data Link



Run 5: Statistics of Indigo-2-256

Start at: 2018-01-26 04:27:38

End at: 2018-01-26 04:28:08

Below is generated by plot.py at 2018-01-26 08:12:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 100.33 Mbit/s

95th percentile per-packet one-way delay: 162.716 ms

Loss rate: 0.49%

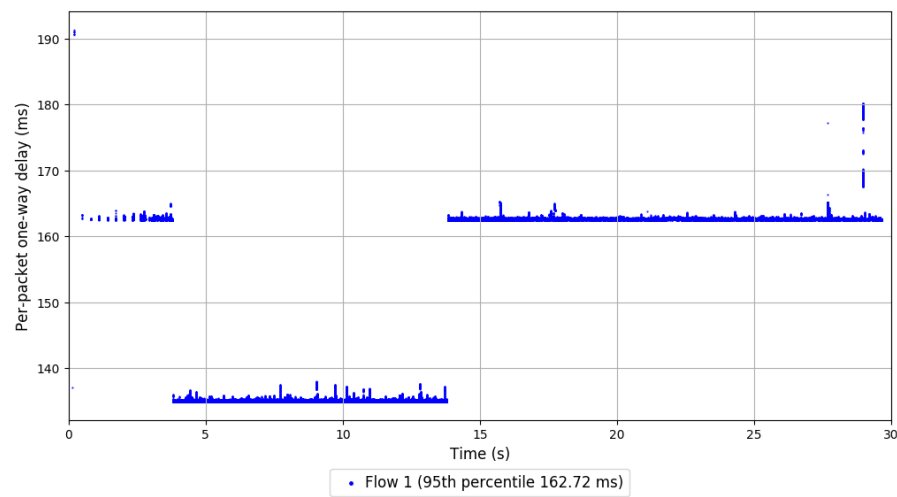
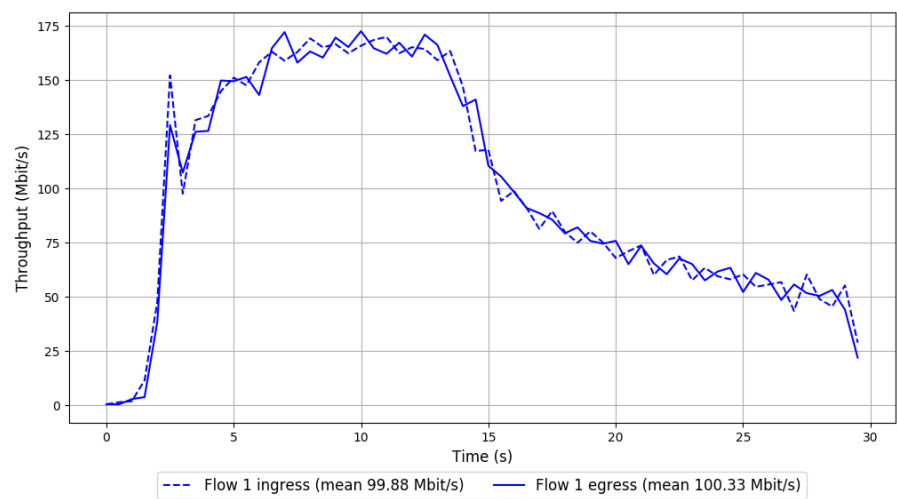
-- Flow 1:

Average throughput: 100.33 Mbit/s

95th percentile per-packet one-way delay: 162.716 ms

Loss rate: 0.49%

Run 5: Report of Indigo-2-256 — Data Link



Run 6: Statistics of Indigo-2-256

Start at: 2018-01-26 04:40:28

End at: 2018-01-26 04:40:58

Below is generated by plot.py at 2018-01-26 08:12:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 105.71 Mbit/s

95th percentile per-packet one-way delay: 162.245 ms

Loss rate: 0.79%

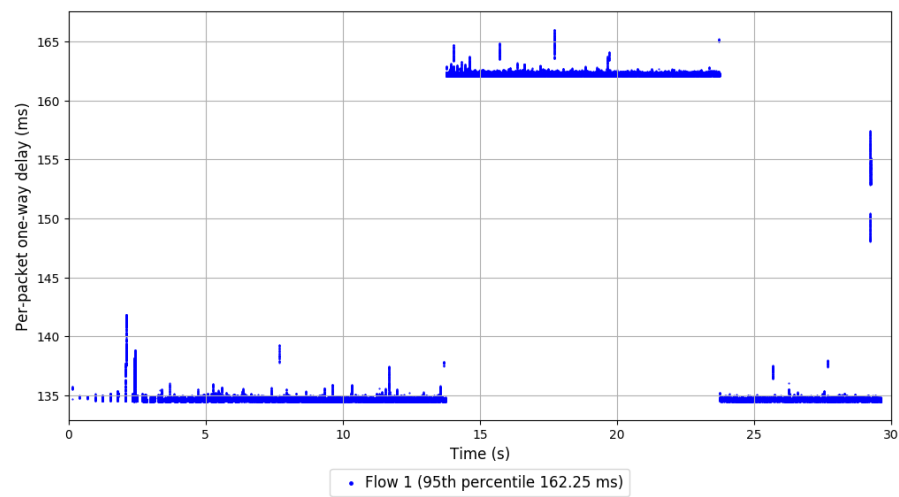
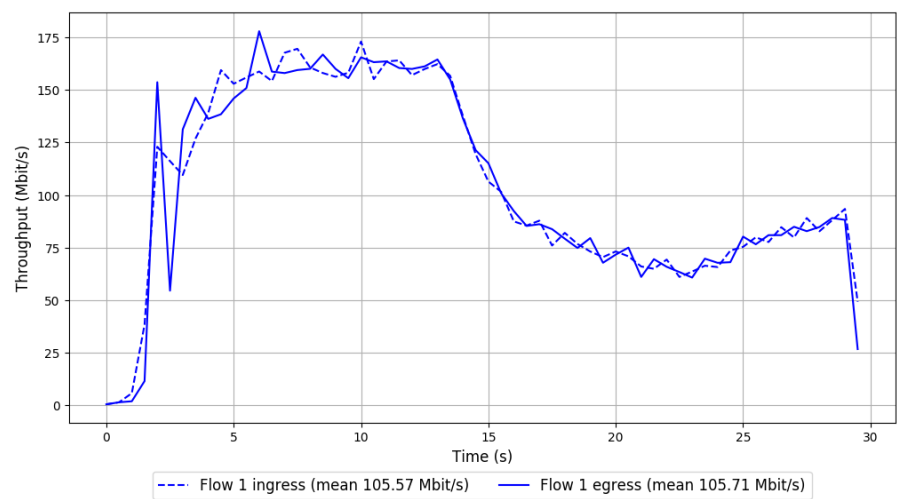
-- Flow 1:

Average throughput: 105.71 Mbit/s

95th percentile per-packet one-way delay: 162.245 ms

Loss rate: 0.79%

Run 6: Report of Indigo-2-256 — Data Link

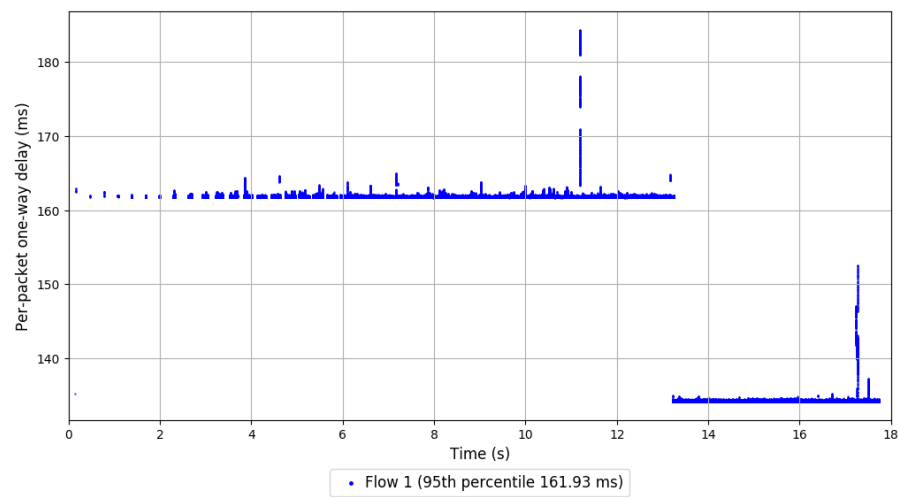
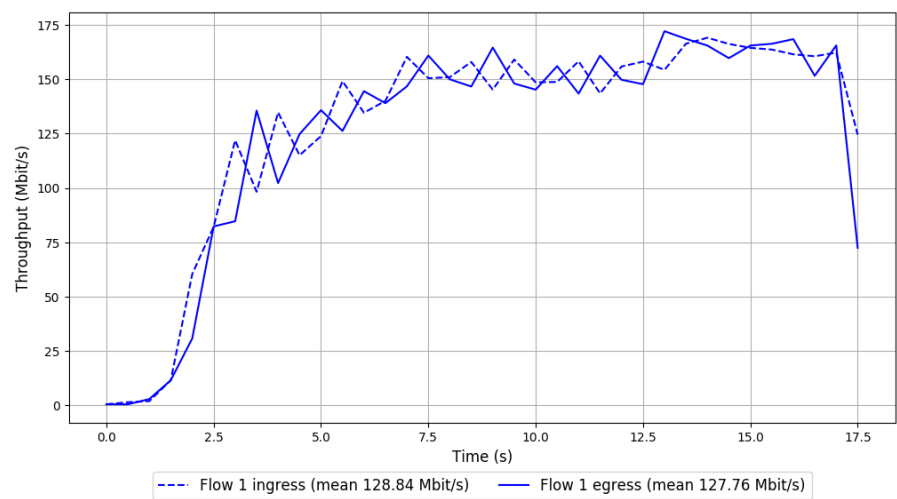


Run 7: Statistics of Indigo-2-256

Start at: 2018-01-26 04:52:57

End at: 2018-01-26 04:53:27

Run 7: Report of Indigo-2-256 — Data Link



Run 8: Statistics of Indigo-2-256

Start at: 2018-01-26 05:05:46

End at: 2018-01-26 05:06:16

Below is generated by plot.py at 2018-01-26 08:13:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 146.96 Mbit/s

95th percentile per-packet one-way delay: 161.523 ms

Loss rate: 0.99%

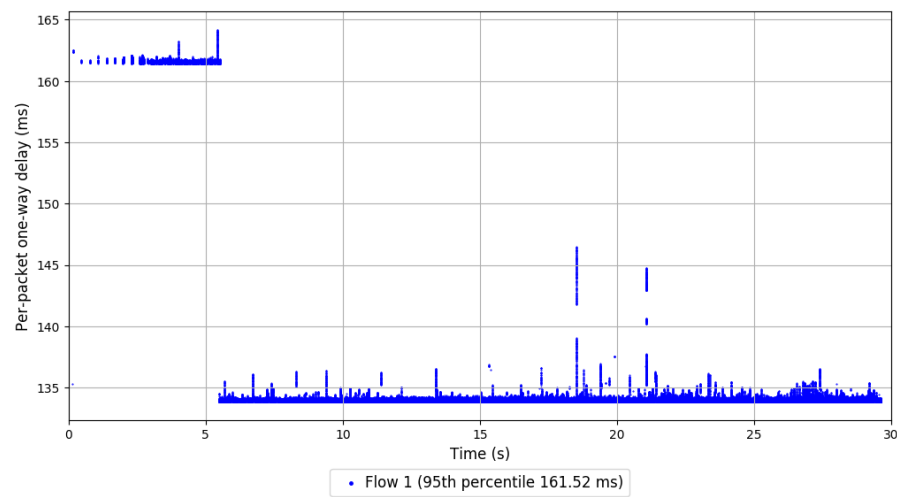
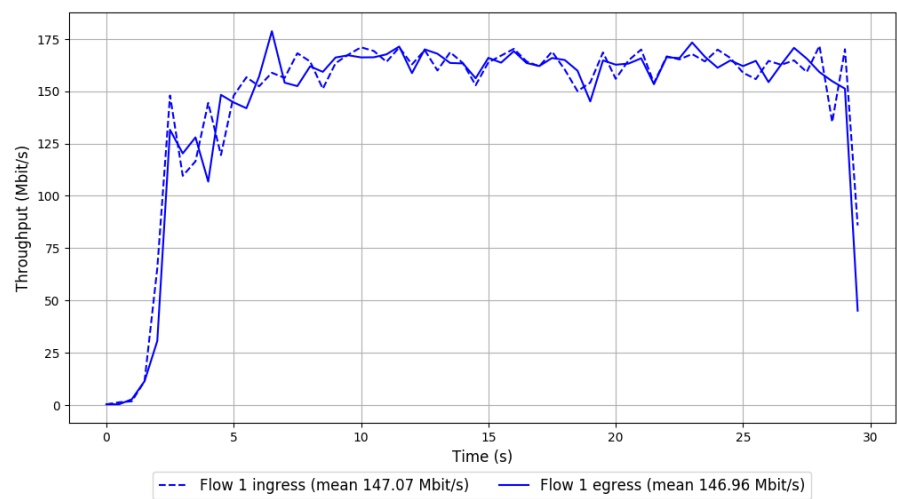
-- Flow 1:

Average throughput: 146.96 Mbit/s

95th percentile per-packet one-way delay: 161.523 ms

Loss rate: 0.99%

Run 8: Report of Indigo-2-256 — Data Link



Run 9: Statistics of Indigo-2-256

Start at: 2018-01-26 05:18:28

End at: 2018-01-26 05:18:58

Below is generated by plot.py at 2018-01-26 08:13:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.36 Mbit/s

95th percentile per-packet one-way delay: 161.767 ms

Loss rate: 1.05%

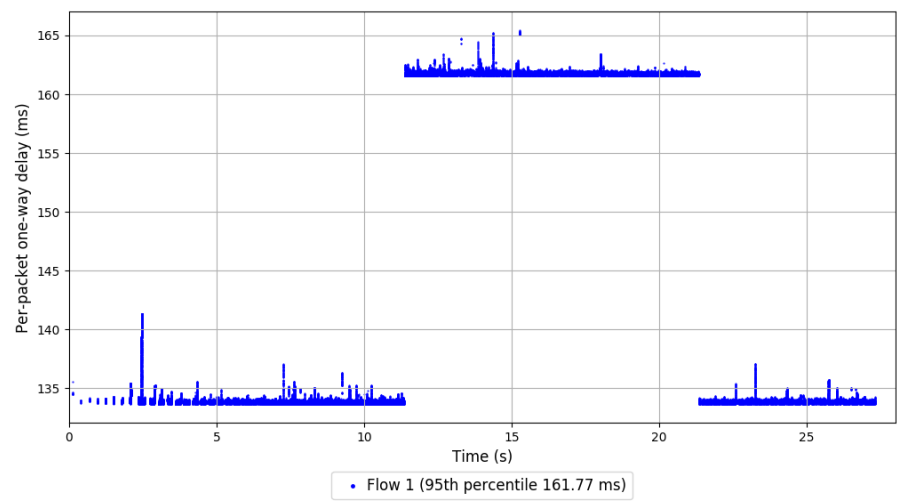
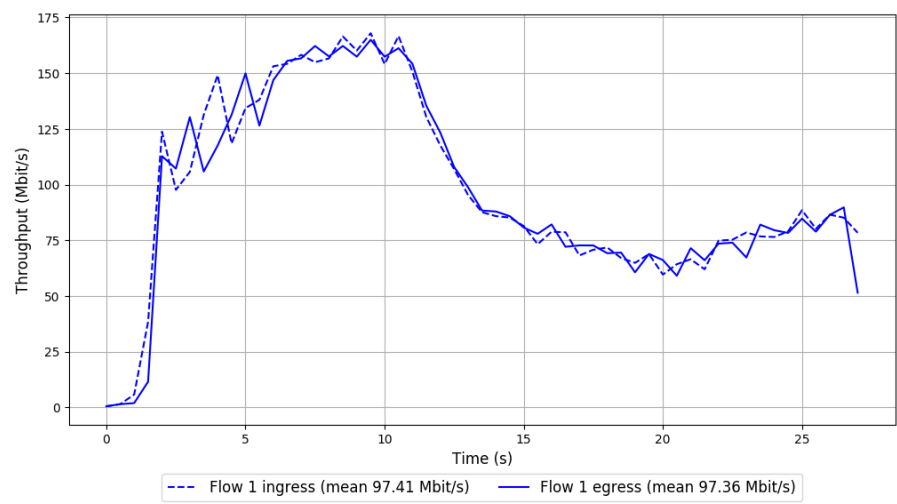
-- Flow 1:

Average throughput: 97.36 Mbit/s

95th percentile per-packet one-way delay: 161.767 ms

Loss rate: 1.05%

Run 9: Report of Indigo-2-256 — Data Link



Run 10: Statistics of Indigo-2-256

Start at: 2018-01-26 05:31:27

End at: 2018-01-26 05:31:57

Below is generated by plot.py at 2018-01-26 08:14:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 110.91 Mbit/s

95th percentile per-packet one-way delay: 161.617 ms

Loss rate: 0.56%

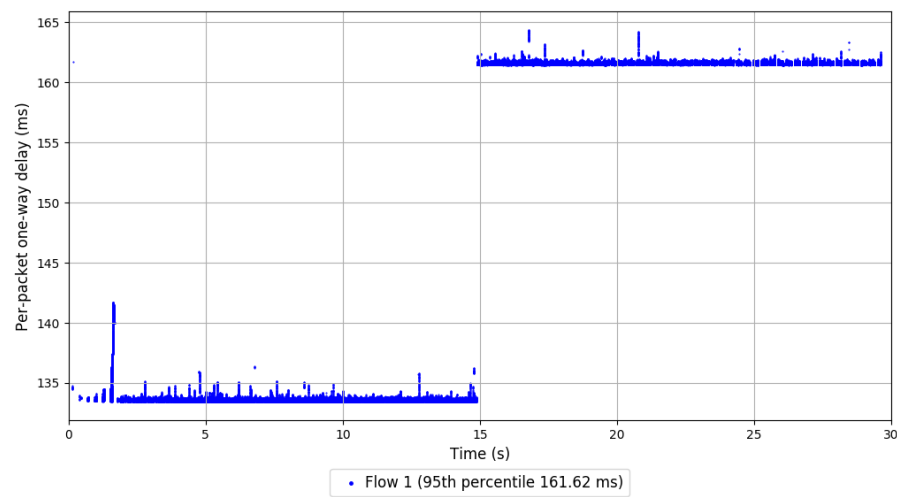
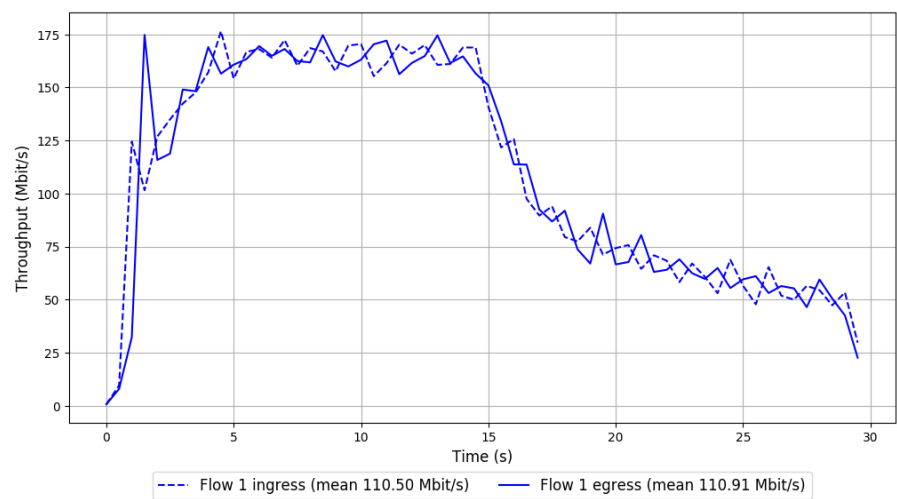
-- Flow 1:

Average throughput: 110.91 Mbit/s

95th percentile per-packet one-way delay: 161.617 ms

Loss rate: 0.56%

Run 10: Report of Indigo-2-256 — Data Link

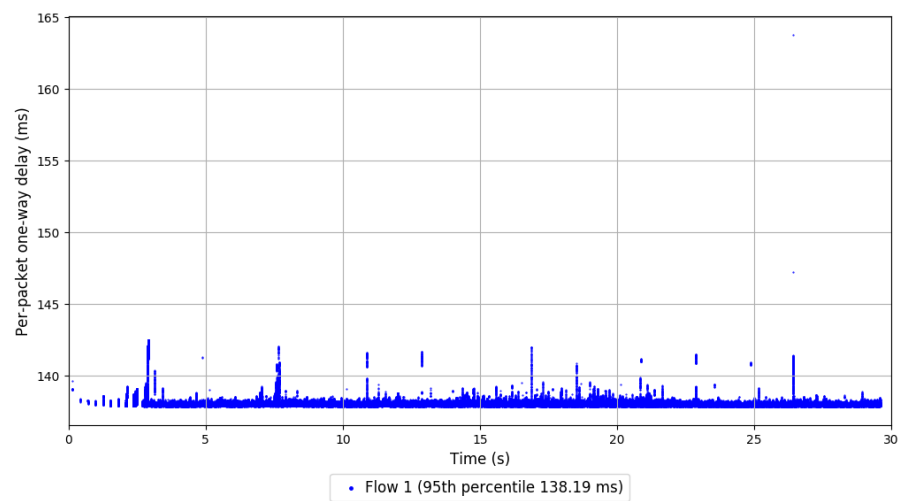
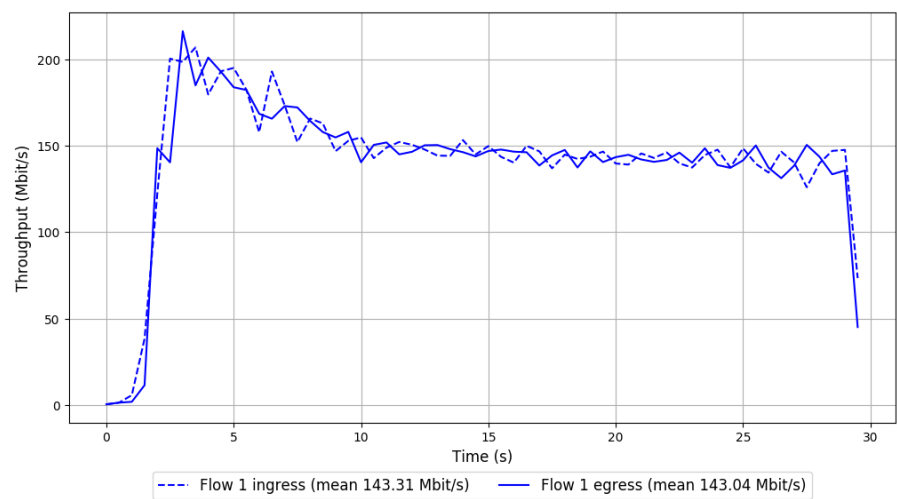


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-01-26 03:31:53
End at: 2018-01-26 03:32:23

# Below is generated by plot.py at 2018-01-26 08:14:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 143.04 Mbit/s
95th percentile per-packet one-way delay: 138.195 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 143.04 Mbit/s
95th percentile per-packet one-way delay: 138.195 ms
Loss rate: 1.11%
```

Run 1: Report of Indigo-1-32 — Data Link

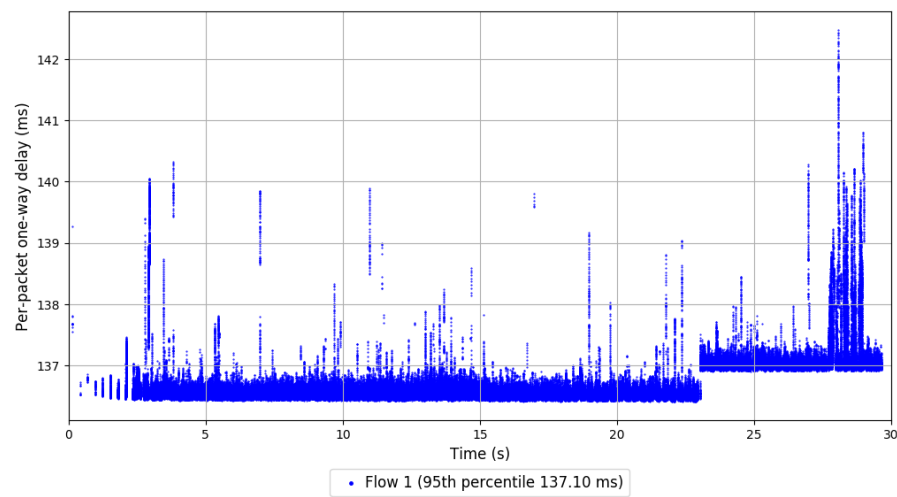
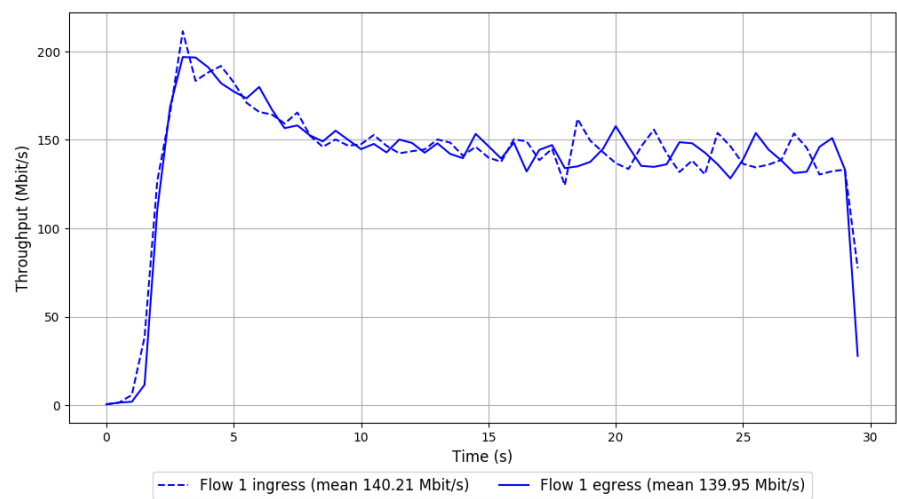


```
Run 2: Statistics of Indigo-1-32

Start at: 2018-01-26 03:44:59
End at: 2018-01-26 03:45:29

# Below is generated by plot.py at 2018-01-26 08:14:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 139.95 Mbit/s
95th percentile per-packet one-way delay: 137.103 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 139.95 Mbit/s
95th percentile per-packet one-way delay: 137.103 ms
Loss rate: 1.11%
```

Run 2: Report of Indigo-1-32 — Data Link



Run 3: Statistics of Indigo-1-32

Start at: 2018-01-26 03:57:57

End at: 2018-01-26 03:58:27

Below is generated by plot.py at 2018-01-26 08:14:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 134.15 Mbit/s

95th percentile per-packet one-way delay: 137.635 ms

Loss rate: 1.13%

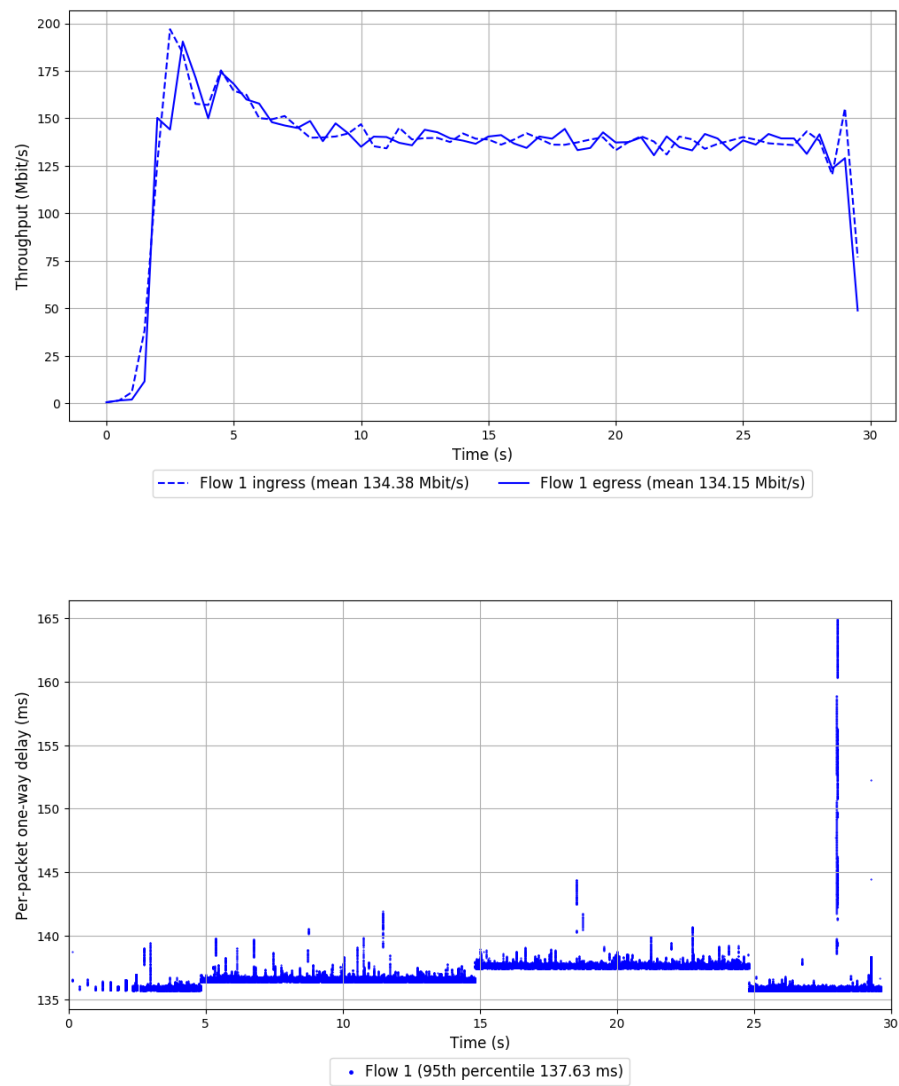
-- Flow 1:

Average throughput: 134.15 Mbit/s

95th percentile per-packet one-way delay: 137.635 ms

Loss rate: 1.13%

Run 3: Report of Indigo-1-32 — Data Link



Run 4: Statistics of Indigo-1-32

Start at: 2018-01-26 04:11:16

End at: 2018-01-26 04:11:46

Below is generated by plot.py at 2018-01-26 08:14:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 142.43 Mbit/s

95th percentile per-packet one-way delay: 135.355 ms

Loss rate: 0.92%

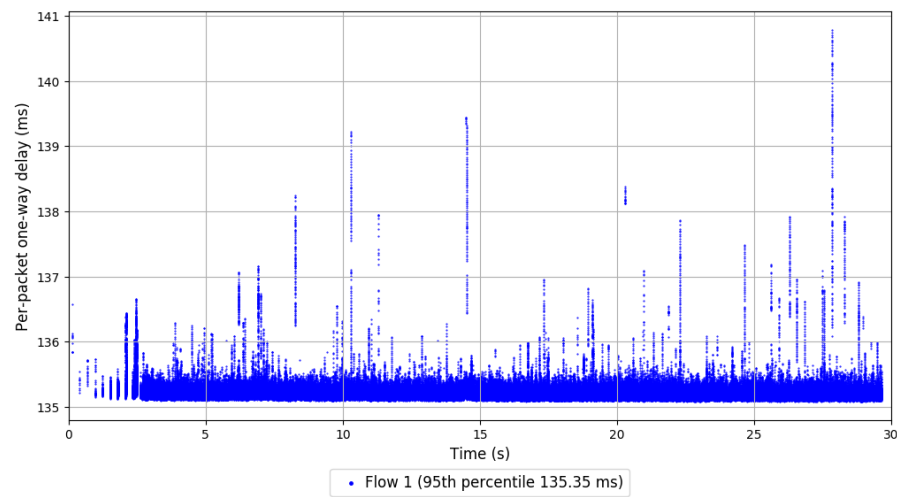
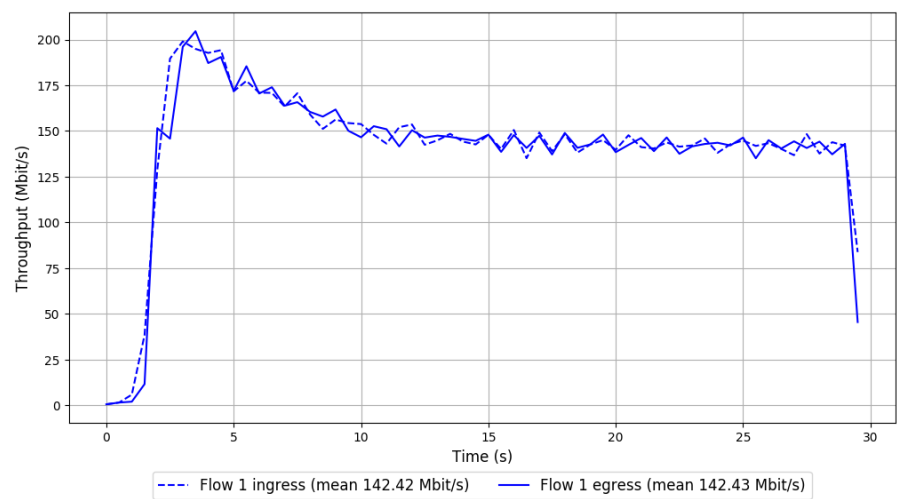
-- Flow 1:

Average throughput: 142.43 Mbit/s

95th percentile per-packet one-way delay: 135.355 ms

Loss rate: 0.92%

Run 4: Report of Indigo-1-32 — Data Link



Run 5: Statistics of Indigo-1-32

Start at: 2018-01-26 04:24:04

End at: 2018-01-26 04:24:34

Below is generated by plot.py at 2018-01-26 08:14:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 125.93 Mbit/s

95th percentile per-packet one-way delay: 162.916 ms

Loss rate: 1.16%

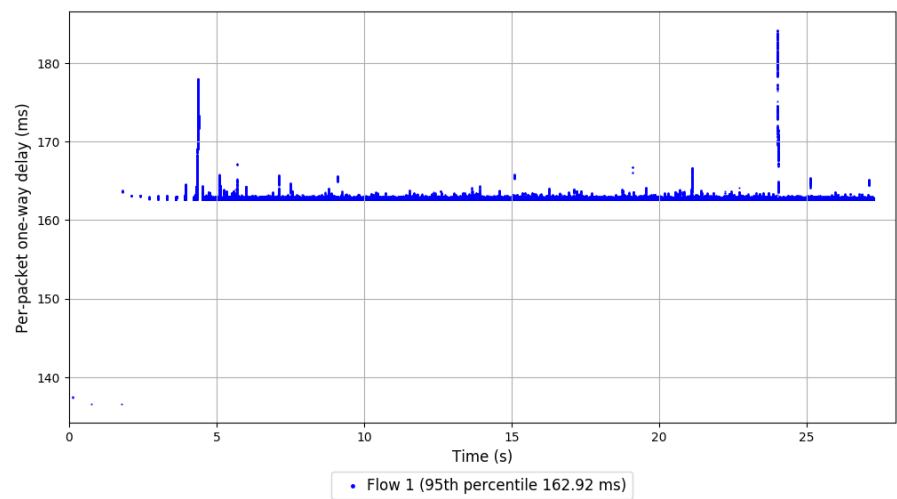
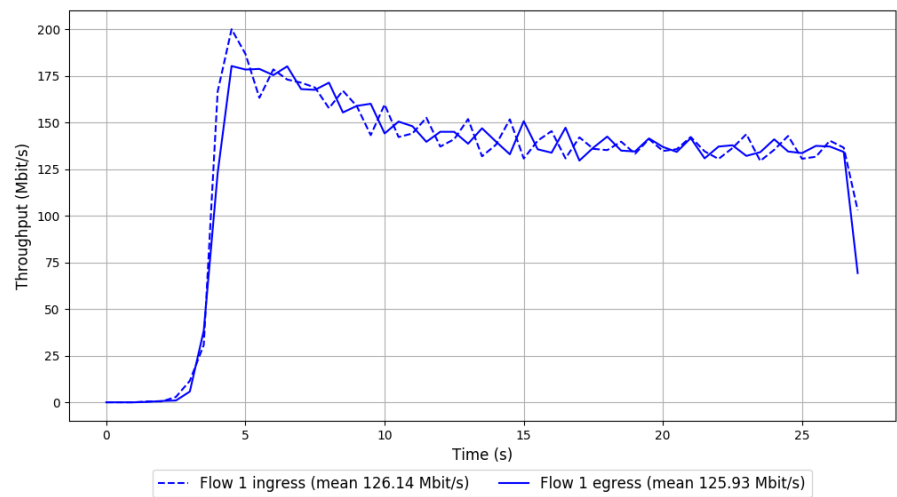
-- Flow 1:

Average throughput: 125.93 Mbit/s

95th percentile per-packet one-way delay: 162.916 ms

Loss rate: 1.16%

Run 5: Report of Indigo-1-32 — Data Link



Run 6: Statistics of Indigo-1-32

Start at: 2018-01-26 04:36:50

End at: 2018-01-26 04:37:20

Below is generated by plot.py at 2018-01-26 08:15:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.43 Mbit/s

95th percentile per-packet one-way delay: 162.423 ms

Loss rate: 1.03%

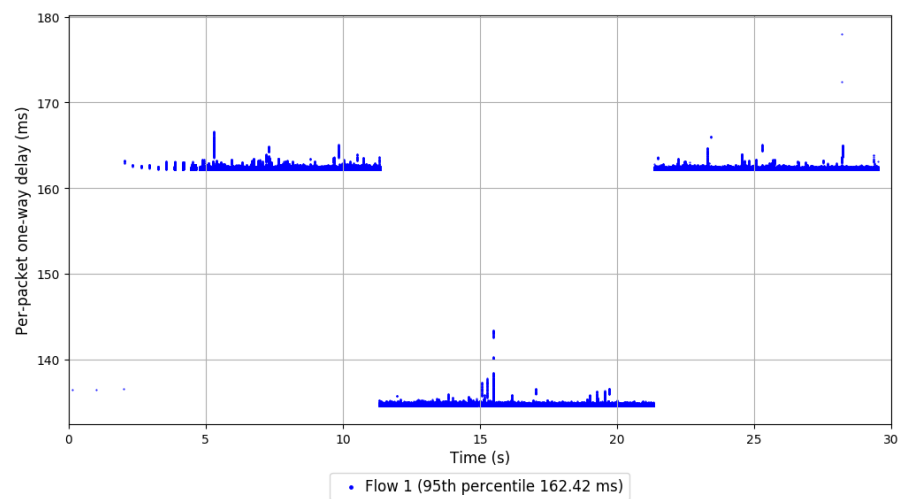
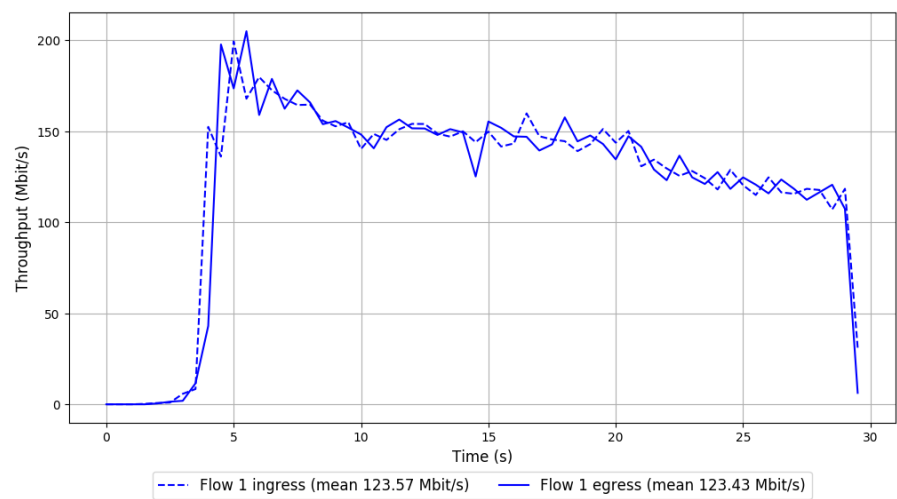
-- Flow 1:

Average throughput: 123.43 Mbit/s

95th percentile per-packet one-way delay: 162.423 ms

Loss rate: 1.03%

Run 6: Report of Indigo-1-32 — Data Link



Run 7: Statistics of Indigo-1-32

Start at: 2018-01-26 04:49:44

End at: 2018-01-26 04:50:14

Below is generated by plot.py at 2018-01-26 08:15:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 143.99 Mbit/s

95th percentile per-packet one-way delay: 161.916 ms

Loss rate: 0.97%

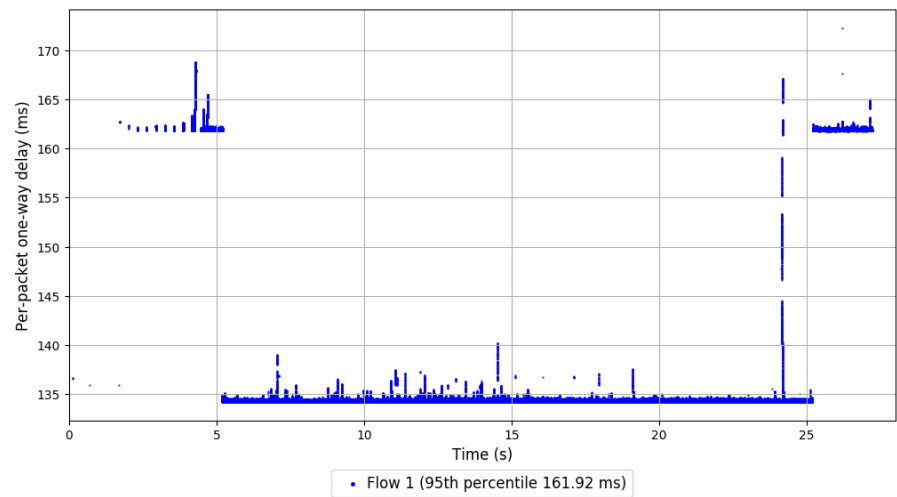
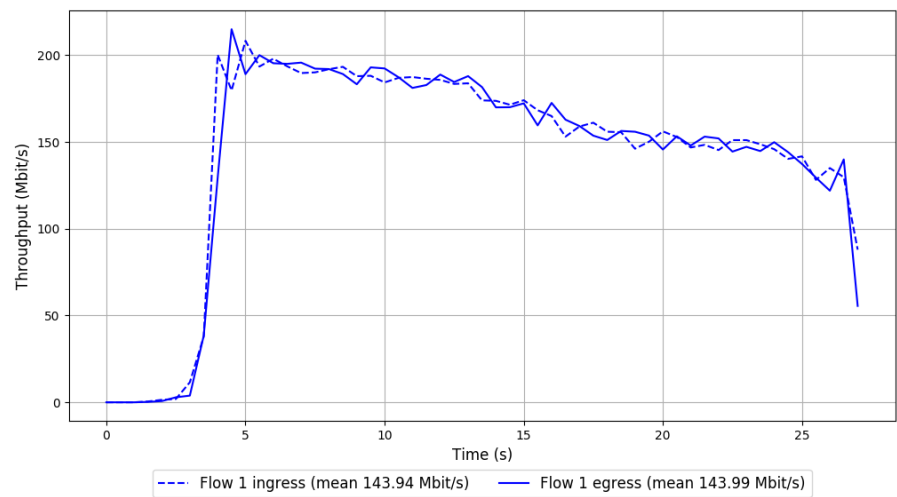
-- Flow 1:

Average throughput: 143.99 Mbit/s

95th percentile per-packet one-way delay: 161.916 ms

Loss rate: 0.97%

Run 7: Report of Indigo-1-32 — Data Link



Run 8: Statistics of Indigo-1-32

Start at: 2018-01-26 05:02:24

End at: 2018-01-26 05:02:54

Below is generated by plot.py at 2018-01-26 08:16:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 133.08 Mbit/s

95th percentile per-packet one-way delay: 161.689 ms

Loss rate: 1.00%

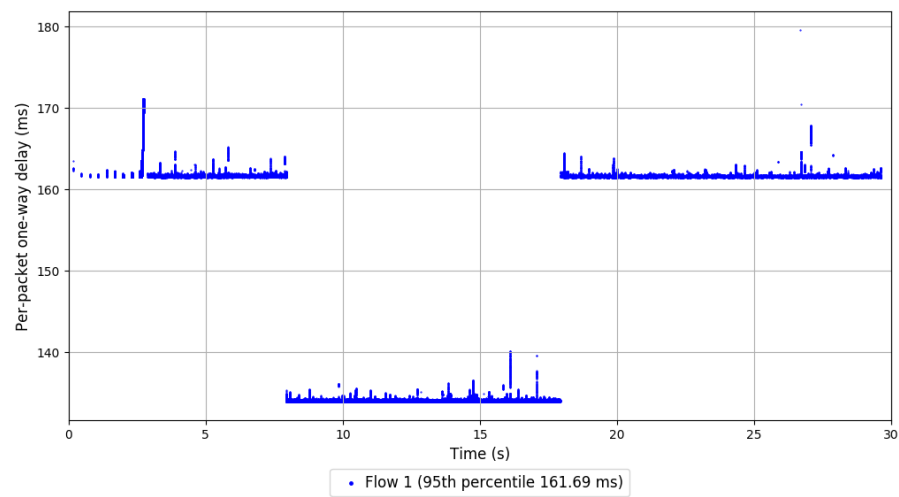
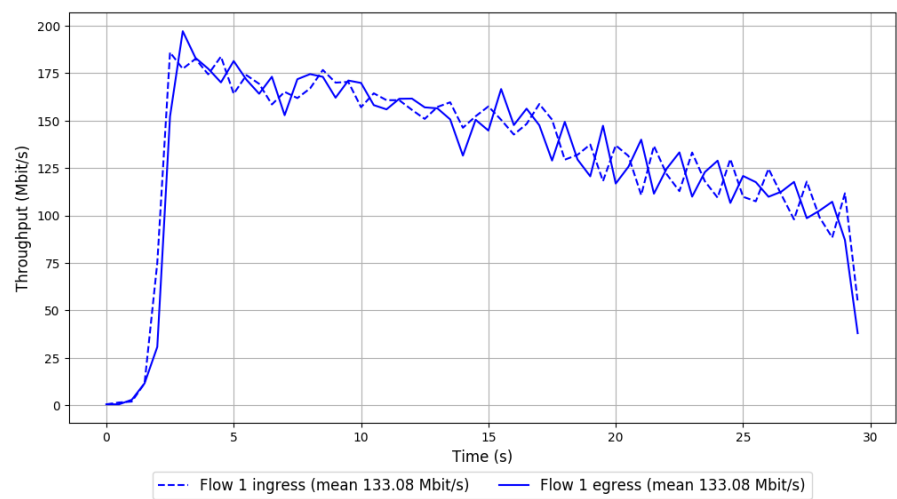
-- Flow 1:

Average throughput: 133.08 Mbit/s

95th percentile per-packet one-way delay: 161.689 ms

Loss rate: 1.00%

Run 8: Report of Indigo-1-32 — Data Link



Run 9: Statistics of Indigo-1-32

Start at: 2018-01-26 05:15:15

End at: 2018-01-26 05:15:45

Below is generated by plot.py at 2018-01-26 08:16:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.57 Mbit/s

95th percentile per-packet one-way delay: 161.538 ms

Loss rate: 0.95%

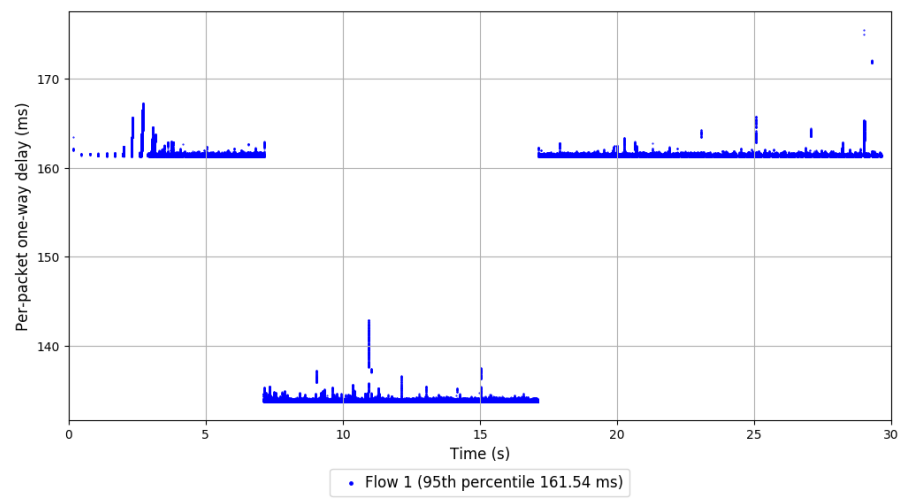
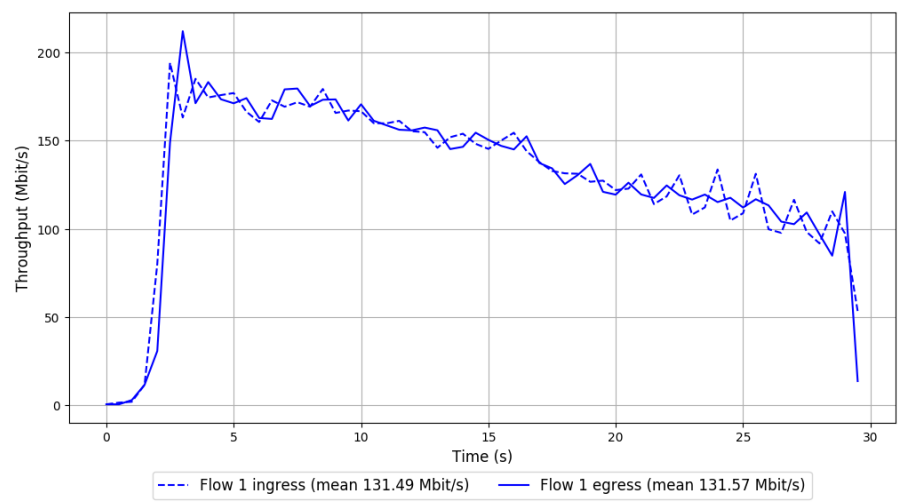
-- Flow 1:

Average throughput: 131.57 Mbit/s

95th percentile per-packet one-way delay: 161.538 ms

Loss rate: 0.95%

Run 9: Report of Indigo-1-32 — Data Link



Run 10: Statistics of Indigo-1-32

Start at: 2018-01-26 05:27:57

End at: 2018-01-26 05:28:27

Below is generated by plot.py at 2018-01-26 08:16:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 133.66 Mbit/s

95th percentile per-packet one-way delay: 161.734 ms

Loss rate: 0.96%

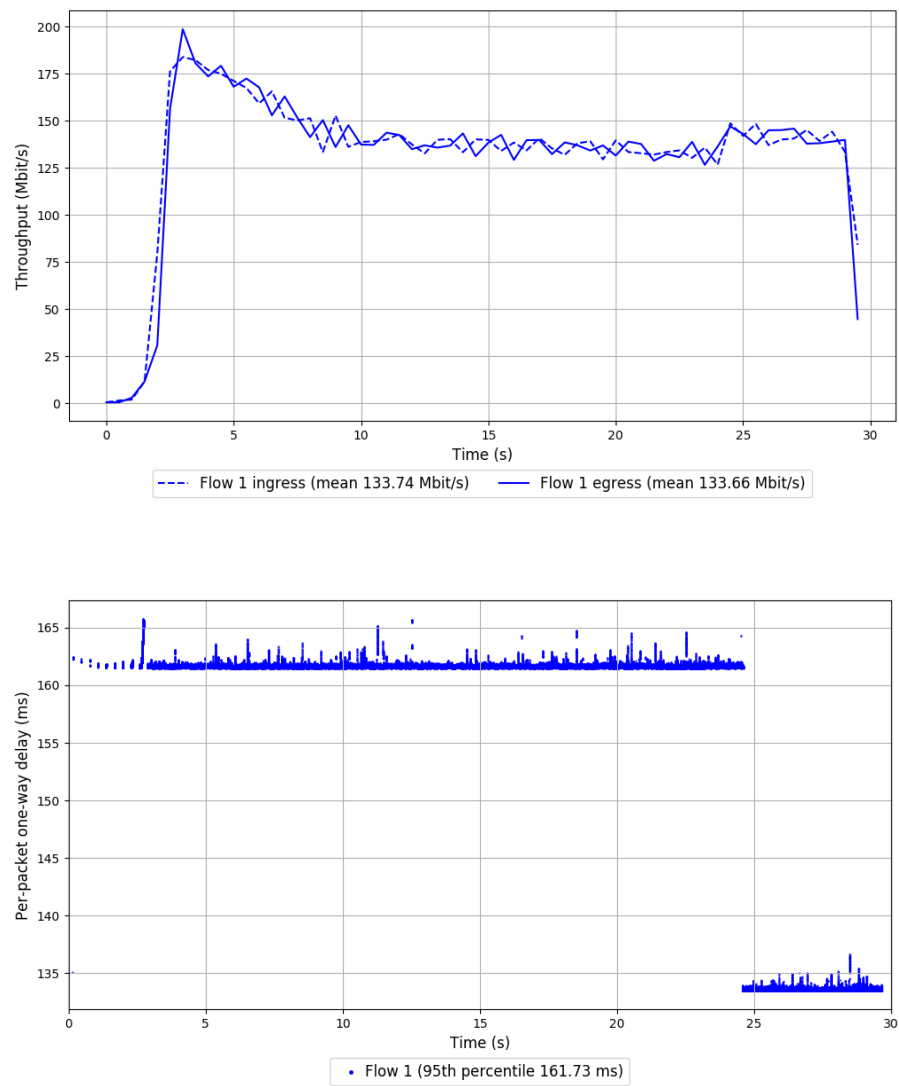
-- Flow 1:

Average throughput: 133.66 Mbit/s

95th percentile per-packet one-way delay: 161.734 ms

Loss rate: 0.96%

Run 10: Report of Indigo-1-32 — Data Link

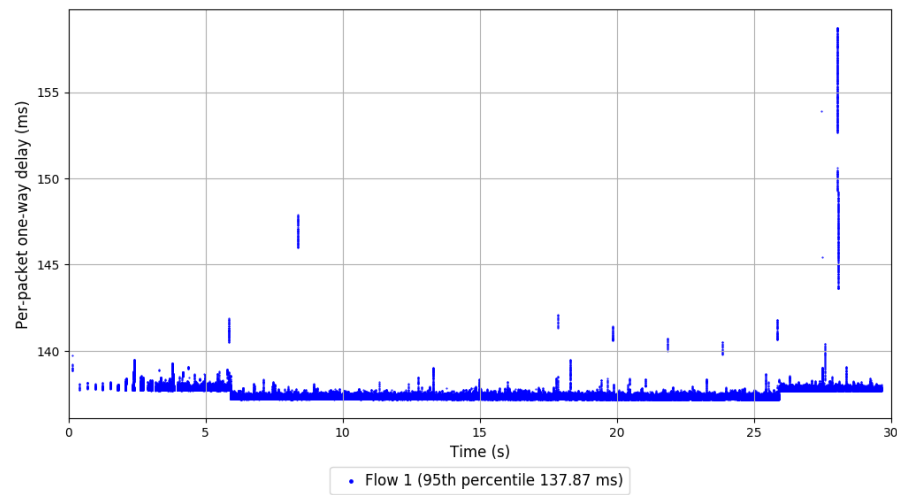
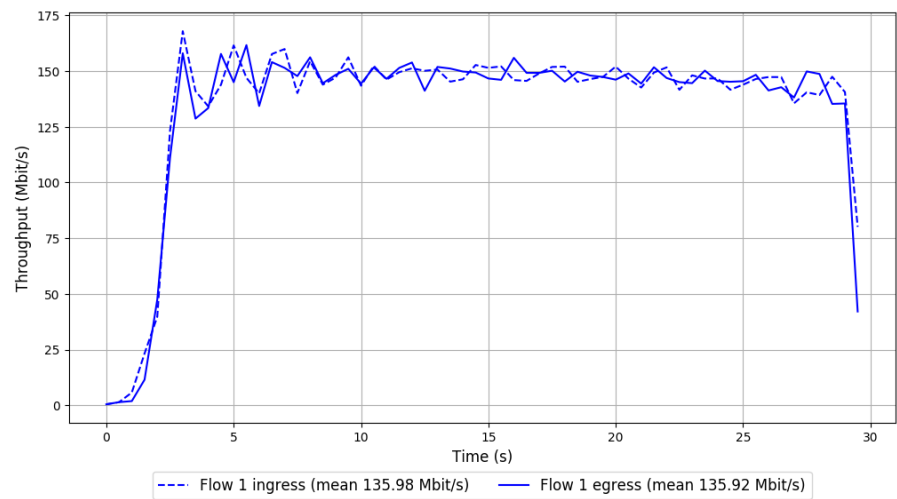


```
Run 1: Statistics of Indigo-1-128

Start at: 2018-01-26 03:34:36
End at: 2018-01-26 03:35:06

# Below is generated by plot.py at 2018-01-26 08:16:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 135.92 Mbit/s
95th percentile per-packet one-way delay: 137.869 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 135.92 Mbit/s
95th percentile per-packet one-way delay: 137.869 ms
Loss rate: 0.96%
```


Run 1: Report of Indigo-1-128 — Data Link

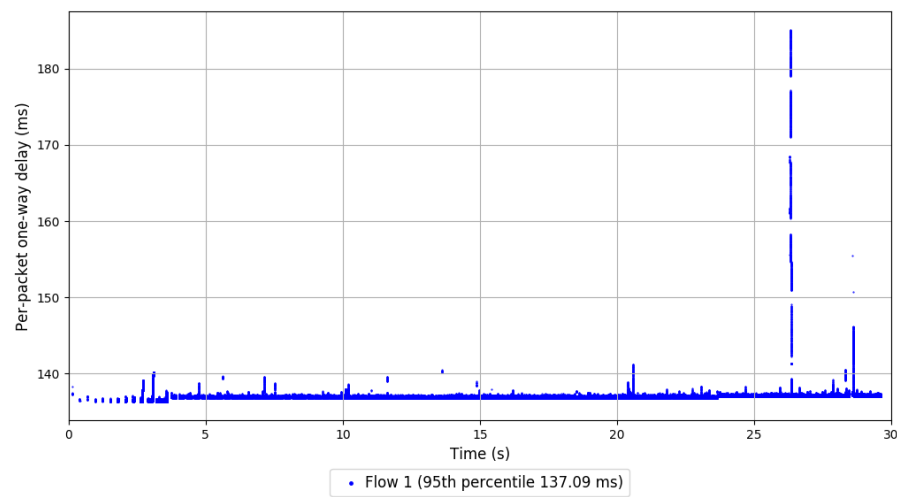
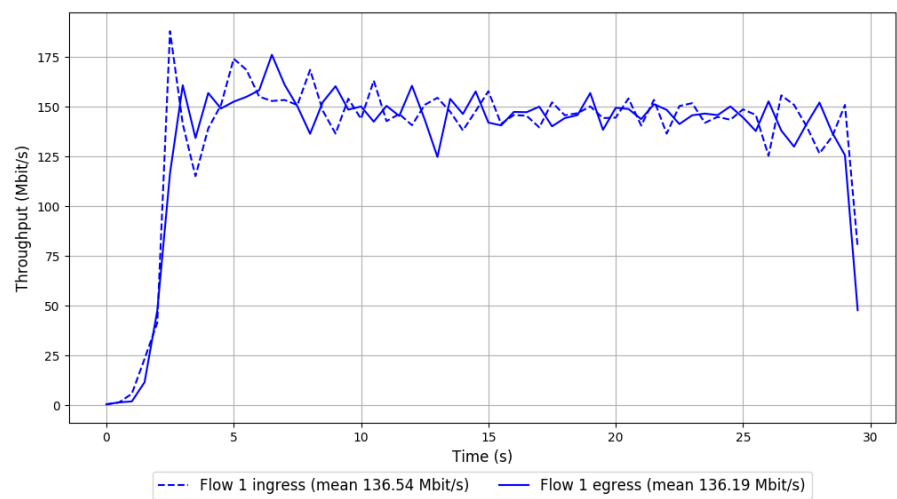


```
Run 2: Statistics of Indigo-1-128

Start at: 2018-01-26 03:47:38
End at: 2018-01-26 03:48:08

# Below is generated by plot.py at 2018-01-26 08:17:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 136.19 Mbit/s
95th percentile per-packet one-way delay: 137.094 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 136.19 Mbit/s
95th percentile per-packet one-way delay: 137.094 ms
Loss rate: 1.18%
```

Run 2: Report of Indigo-1-128 — Data Link



Run 3: Statistics of Indigo-1-128

Start at: 2018-01-26 04:00:39

End at: 2018-01-26 04:01:09

Below is generated by plot.py at 2018-01-26 08:17:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 135.38 Mbit/s

95th percentile per-packet one-way delay: 137.486 ms

Loss rate: 0.98%

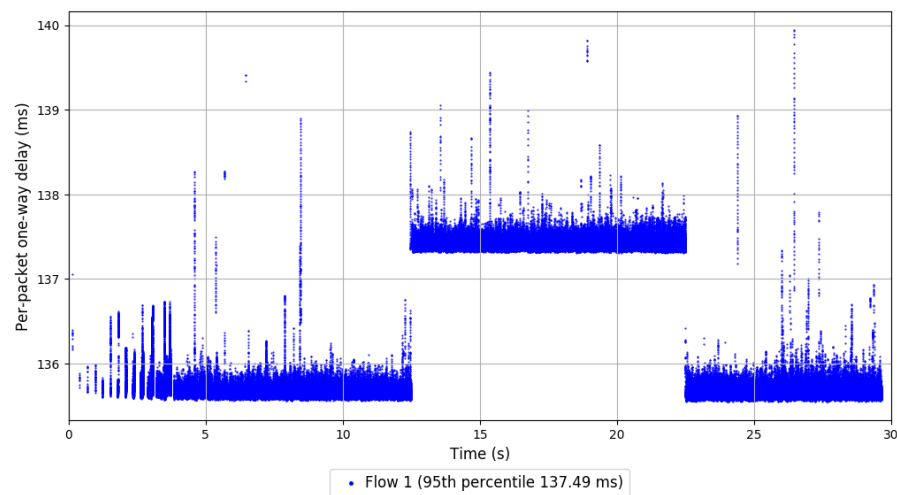
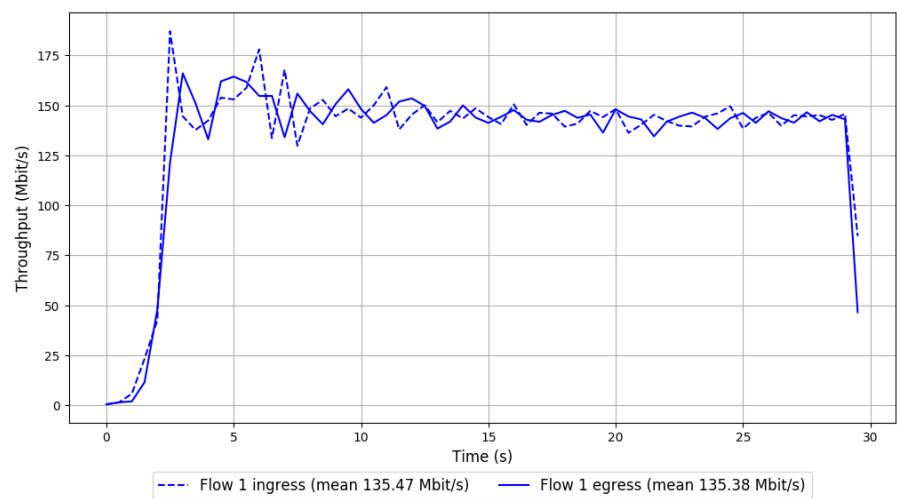
-- Flow 1:

Average throughput: 135.38 Mbit/s

95th percentile per-packet one-way delay: 137.486 ms

Loss rate: 0.98%

Run 3: Report of Indigo-1-128 — Data Link



Run 4: Statistics of Indigo-1-128

Start at: 2018-01-26 04:13:53

End at: 2018-01-26 04:14:23

Below is generated by plot.py at 2018-01-26 08:17:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 137.30 Mbit/s

95th percentile per-packet one-way delay: 135.274 ms

Loss rate: 0.96%

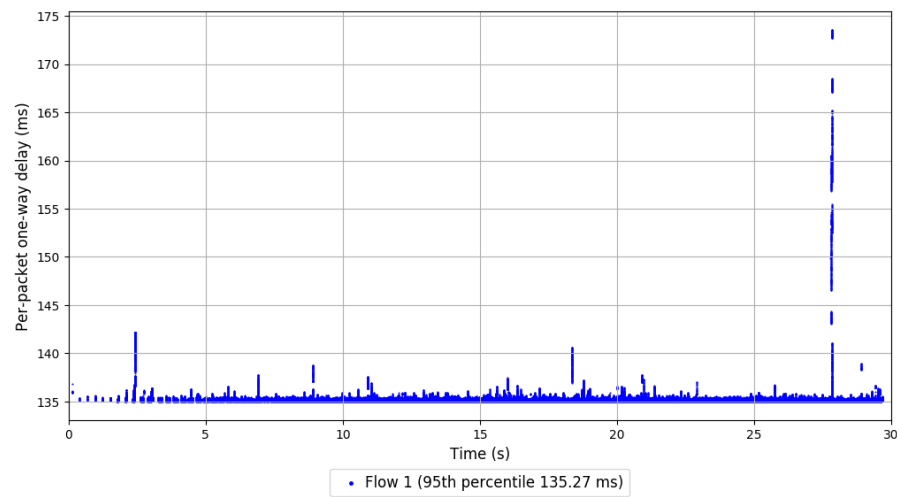
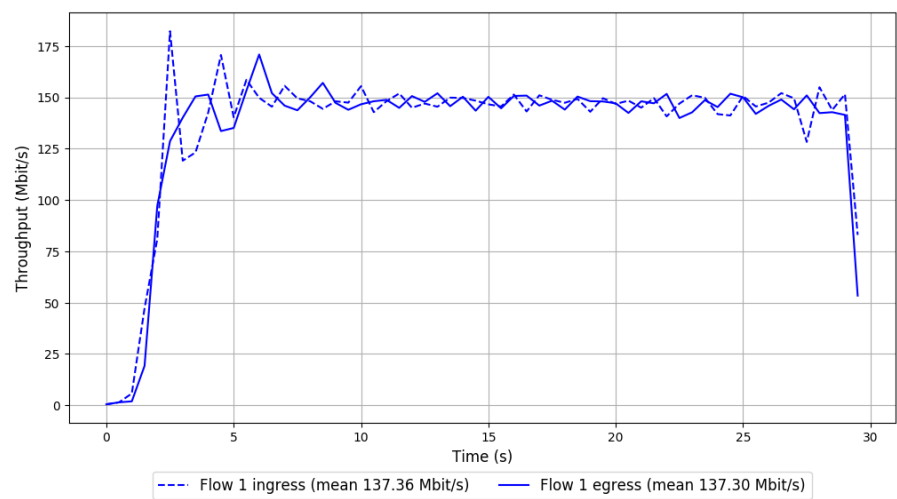
-- Flow 1:

Average throughput: 137.30 Mbit/s

95th percentile per-packet one-way delay: 135.274 ms

Loss rate: 0.96%

Run 4: Report of Indigo-1-128 — Data Link



Run 5: Statistics of Indigo-1-128

Start at: 2018-01-26 04:26:44

End at: 2018-01-26 04:27:14

Below is generated by plot.py at 2018-01-26 08:18:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.50 Mbit/s

95th percentile per-packet one-way delay: 162.653 ms

Loss rate: 1.01%

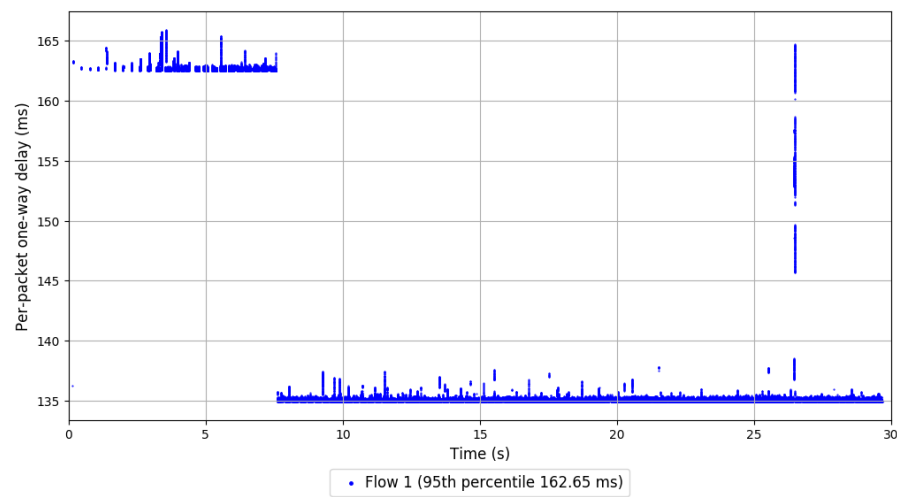
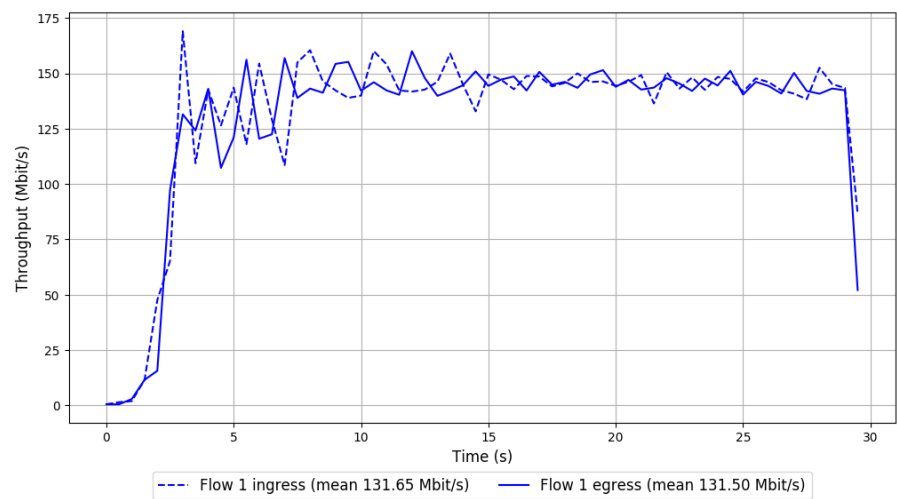
-- Flow 1:

Average throughput: 131.50 Mbit/s

95th percentile per-packet one-way delay: 162.653 ms

Loss rate: 1.01%

Run 5: Report of Indigo-1-128 — Data Link



Run 6: Statistics of Indigo-1-128

Start at: 2018-01-26 04:39:35

End at: 2018-01-26 04:40:05

Below is generated by plot.py at 2018-01-26 08:18:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.65 Mbit/s

95th percentile per-packet one-way delay: 162.371 ms

Loss rate: 1.14%

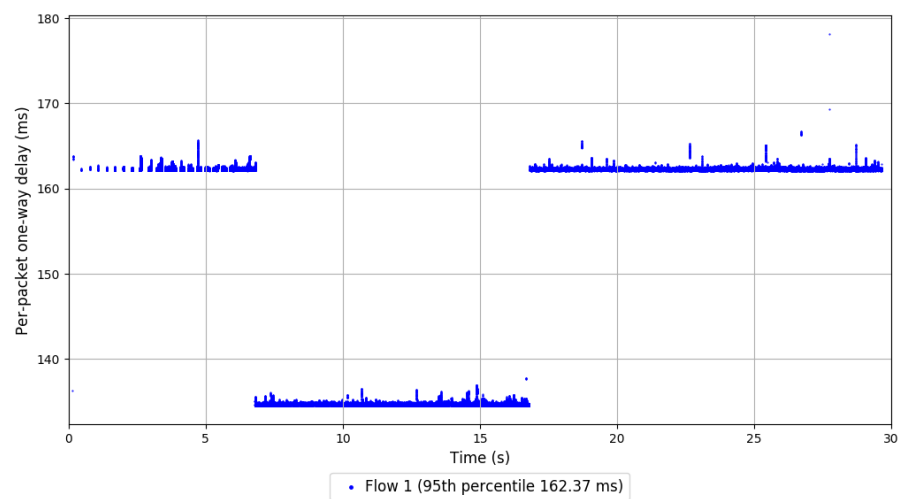
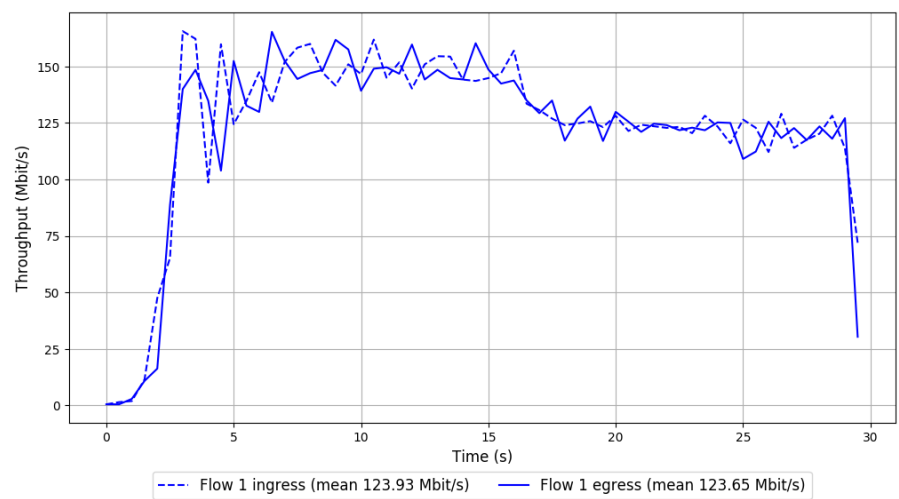
-- Flow 1:

Average throughput: 123.65 Mbit/s

95th percentile per-packet one-way delay: 162.371 ms

Loss rate: 1.14%

Run 6: Report of Indigo-1-128 — Data Link



Run 7: Statistics of Indigo-1-128

Start at: 2018-01-26 04:52:03

End at: 2018-01-26 04:52:33

Below is generated by plot.py at 2018-01-26 08:18:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.62 Mbit/s

95th percentile per-packet one-way delay: 161.892 ms

Loss rate: 0.82%

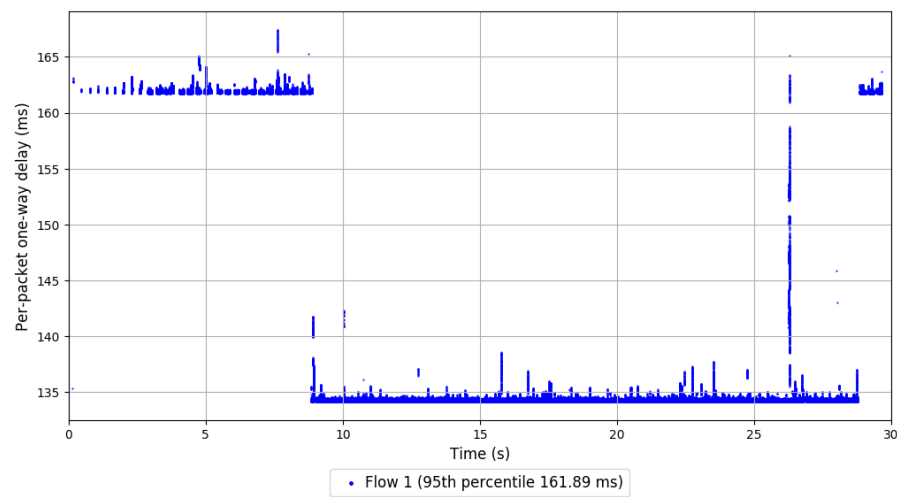
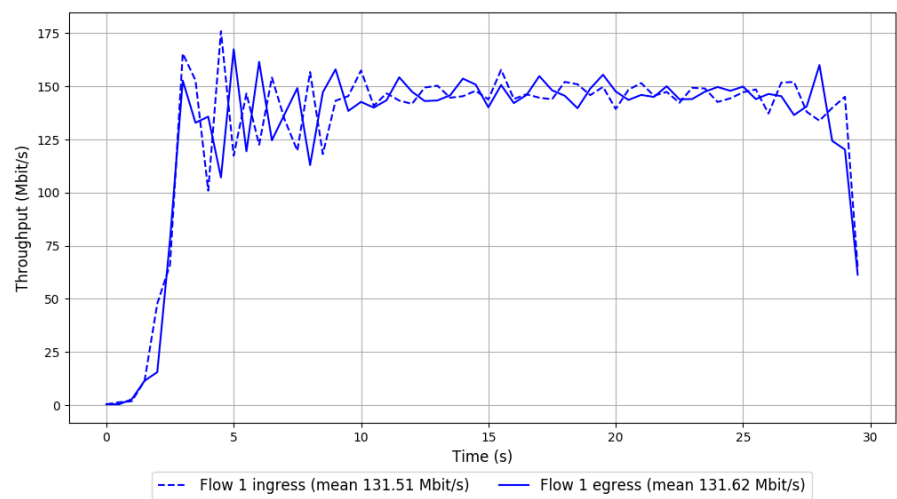
-- Flow 1:

Average throughput: 131.62 Mbit/s

95th percentile per-packet one-way delay: 161.892 ms

Loss rate: 0.82%

Run 7: Report of Indigo-1-128 — Data Link



Run 8: Statistics of Indigo-1-128

Start at: 2018-01-26 05:04:55

End at: 2018-01-26 05:05:25

Below is generated by plot.py at 2018-01-26 08:18:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.85 Mbit/s

95th percentile per-packet one-way delay: 162.156 ms

Loss rate: 2.14%

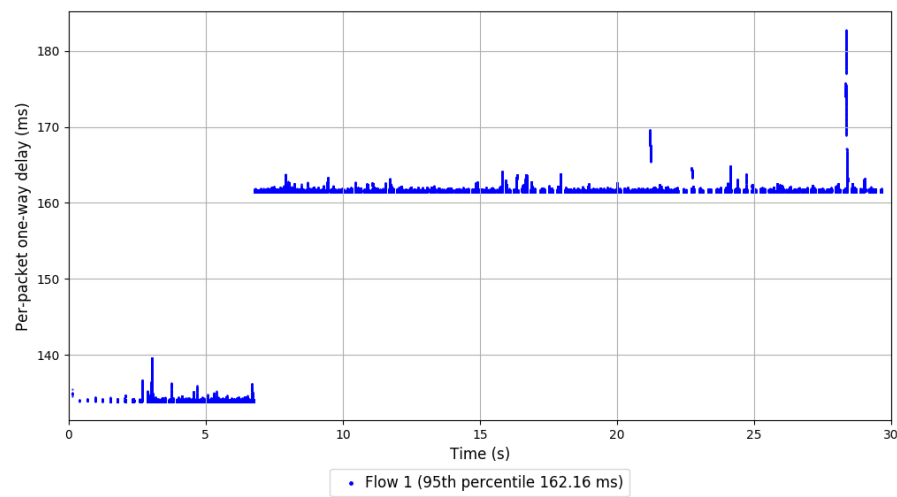
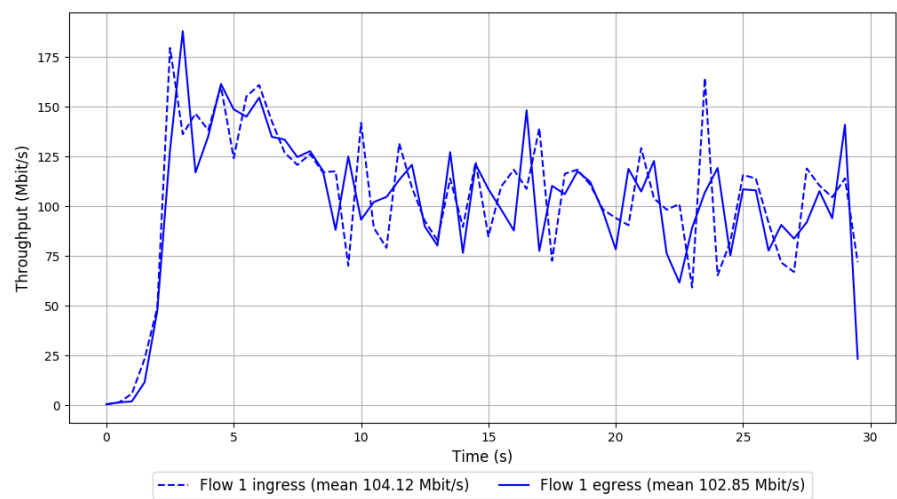
-- Flow 1:

Average throughput: 102.85 Mbit/s

95th percentile per-packet one-way delay: 162.156 ms

Loss rate: 2.14%

Run 8: Report of Indigo-1-128 — Data Link



Run 9: Statistics of Indigo-1-128

Start at: 2018-01-26 05:17:35

End at: 2018-01-26 05:18:05

Below is generated by plot.py at 2018-01-26 08:18:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 120.14 Mbit/s

95th percentile per-packet one-way delay: 161.965 ms

Loss rate: 1.39%

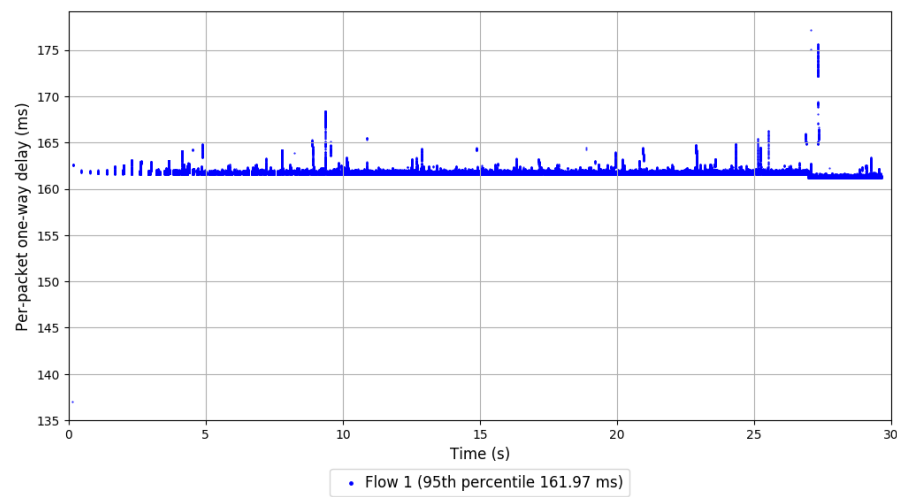
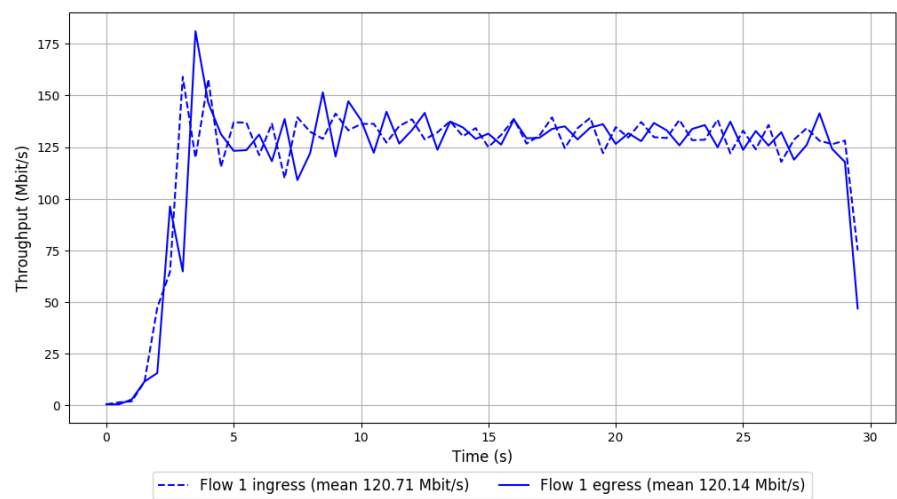
-- Flow 1:

Average throughput: 120.14 Mbit/s

95th percentile per-packet one-way delay: 161.965 ms

Loss rate: 1.39%

Run 9: Report of Indigo-1-128 — Data Link



Run 10: Statistics of Indigo-1-128

Start at: 2018-01-26 05:30:34

End at: 2018-01-26 05:31:04

Below is generated by plot.py at 2018-01-26 08:18:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 127.68 Mbit/s

95th percentile per-packet one-way delay: 161.660 ms

Loss rate: 1.14%

-- Flow 1:

Average throughput: 127.68 Mbit/s

95th percentile per-packet one-way delay: 161.660 ms

Loss rate: 1.14%

Run 10: Report of Indigo-1-128 — Data Link

