

## Pantheon Report

Generated at 2018-04-18 01:17:33 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

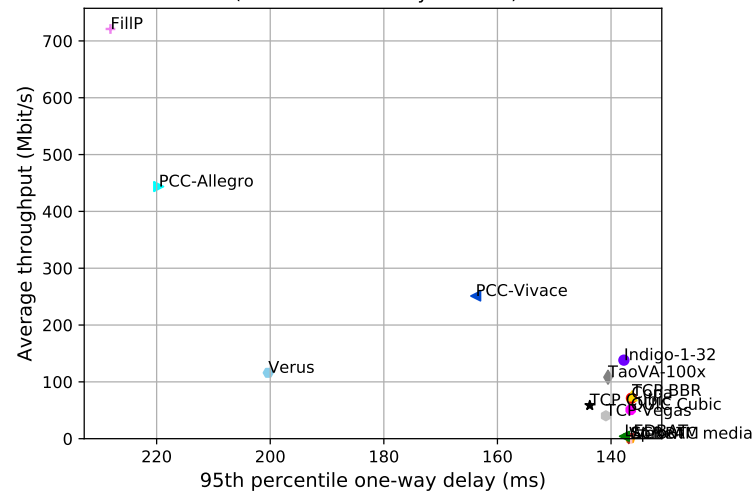
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

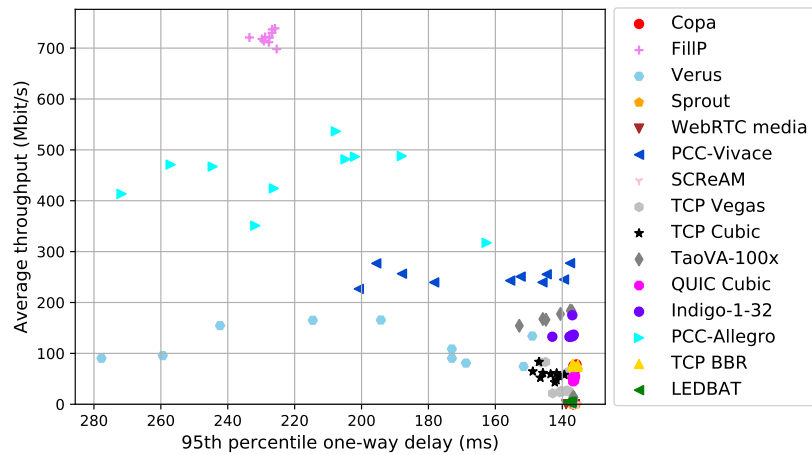
Git summary:

```
branch: master @ b3d6e7098641364fd3a292656a51aa81e316d0b4
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 11f8c46a2bf1dc797253db7e8ca04076272b2a44
third_party/genericCC @ d223989828276fa83a807da6e0341dc0c7b89aec
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/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaaeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webRTC @ f271183af822eee5d0031620f4bebf38aedc5581
```

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



test from GCE Sydney Ethernet to GCE London 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	75.30	136.30	0.00
TCP Cubic	10	58.55	143.75	0.00
LEDBAT	10	4.24	137.65	0.00
PCC-Allegro	10	443.70	219.63	1.64
QUIC Cubic	8	50.91	136.53	0.00
SCReAM	10	0.22	136.46	0.00
WebRTC media	10	0.06	136.88	0.00
Sprout	10	0.40	136.62	0.00
TaoVA-100x	10	108.16	140.53	0.00
TCP Vegas	10	40.29	140.91	0.03
Verus	10	115.95	200.36	0.82
Copa	10	71.26	136.41	0.00
FillP	10	721.03	228.13	7.70
Indigo-1-32	10	138.20	137.74	0.00
PCC-Vivace	10	251.12	163.83	0.10
PCC-Expr	0	N/A	N/A	N/A

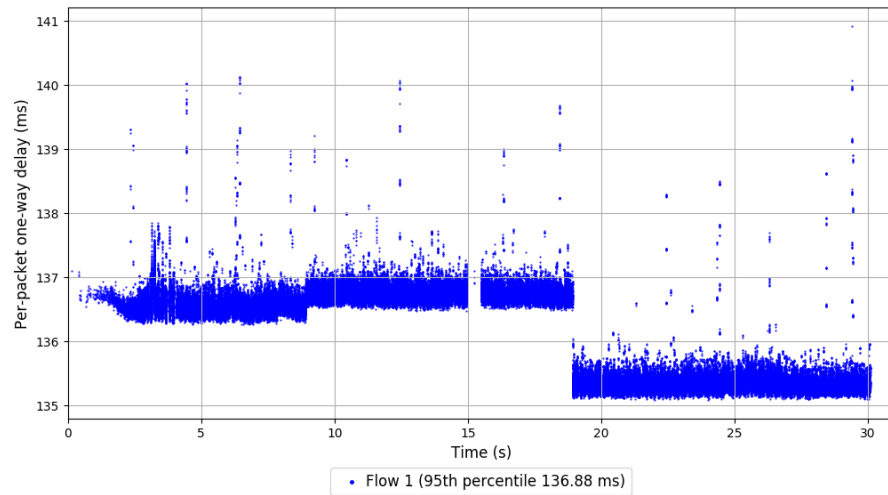
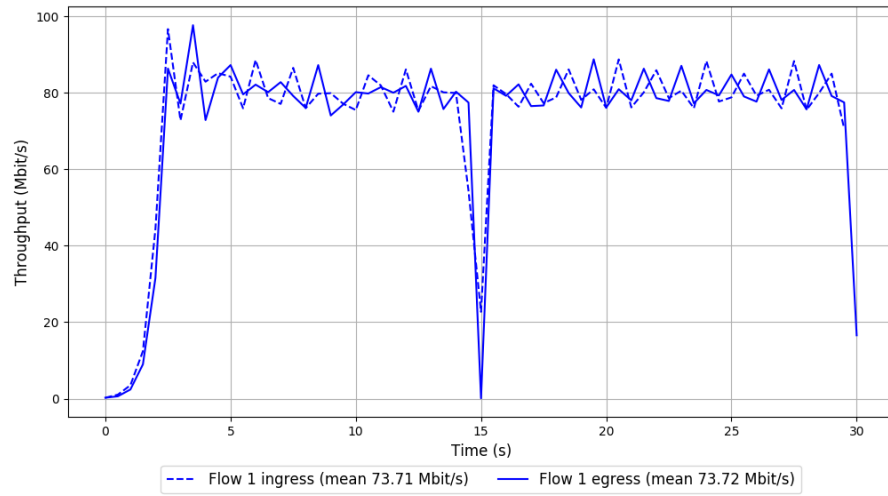
```
Run 1: Statistics of TCP BBR

Start at: 2018-04-17 21:12:18
End at: 2018-04-17 21:12:48

# Below is generated by plot.py at 2018-04-18 00:31:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.72 Mbit/s
95th percentile per-packet one-way delay: 136.878 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.72 Mbit/s
95th percentile per-packet one-way delay: 136.878 ms
Loss rate: 0.00%
```



# Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-04-17 21:26:18

End at: 2018-04-17 21:26:48

# Below is generated by plot.py at 2018-04-18 00:31:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 74.85 Mbit/s

95th percentile per-packet one-way delay: 136.747 ms

Loss rate: 0.00%

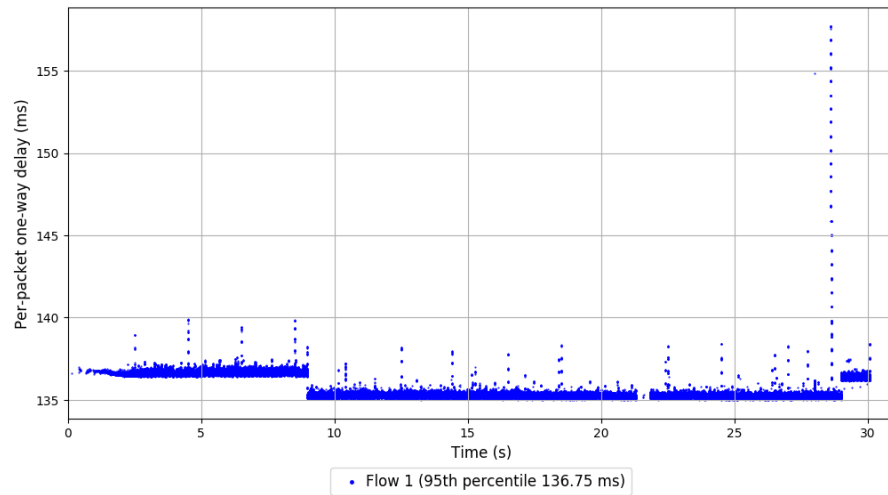
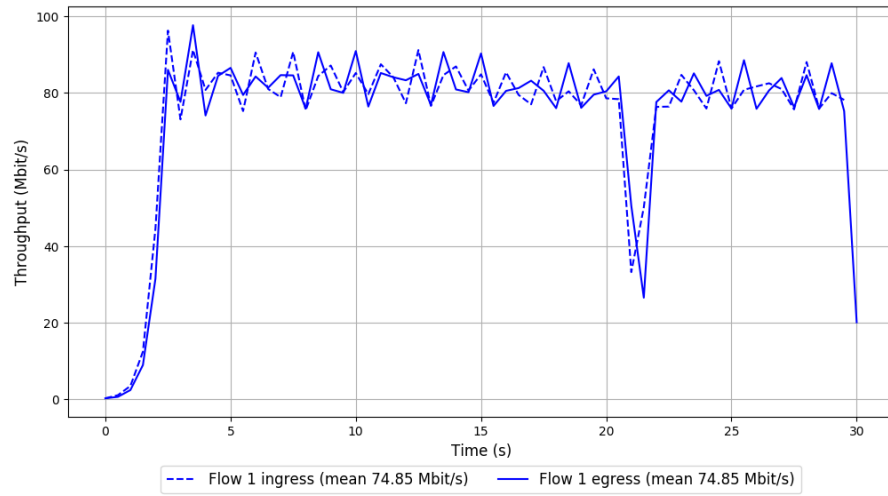
-- Flow 1:

Average throughput: 74.85 Mbit/s

95th percentile per-packet one-way delay: 136.747 ms

Loss rate: 0.00%

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



Run 3: Statistics of TCP BBR

Start at: 2018-04-17 21:40:34

End at: 2018-04-17 21:41:04

# Below is generated by plot.py at 2018-04-18 00:31:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 74.00 Mbit/s

95th percentile per-packet one-way delay: 135.534 ms

Loss rate: 0.00%

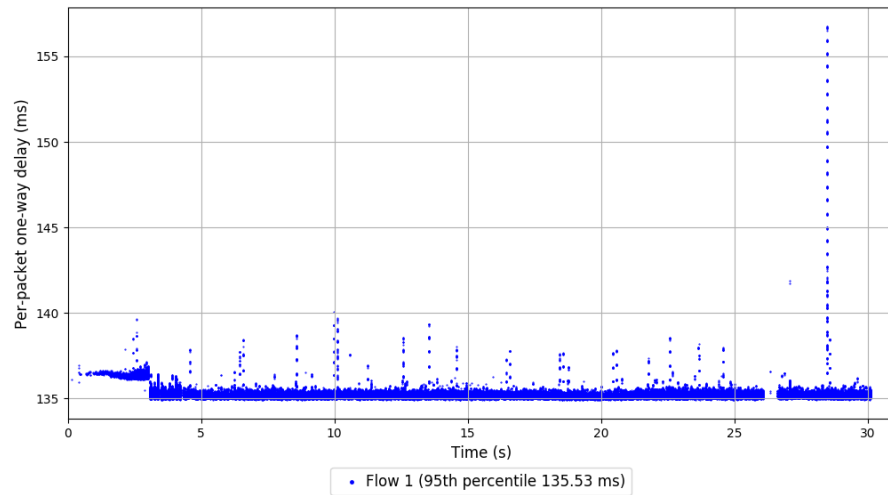
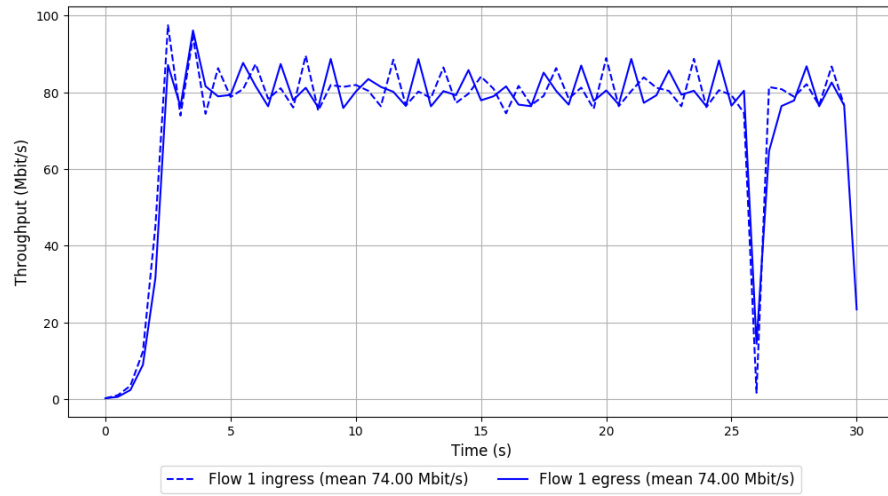
-- Flow 1:

Average throughput: 74.00 Mbit/s

95th percentile per-packet one-way delay: 135.534 ms

Loss rate: 0.00%

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



Run 4: Statistics of TCP BBR

Start at: 2018-04-17 21:54:52

End at: 2018-04-17 21:55:22

# Below is generated by plot.py at 2018-04-18 00:31:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.97 Mbit/s

95th percentile per-packet one-way delay: 136.104 ms

Loss rate: 0.00%

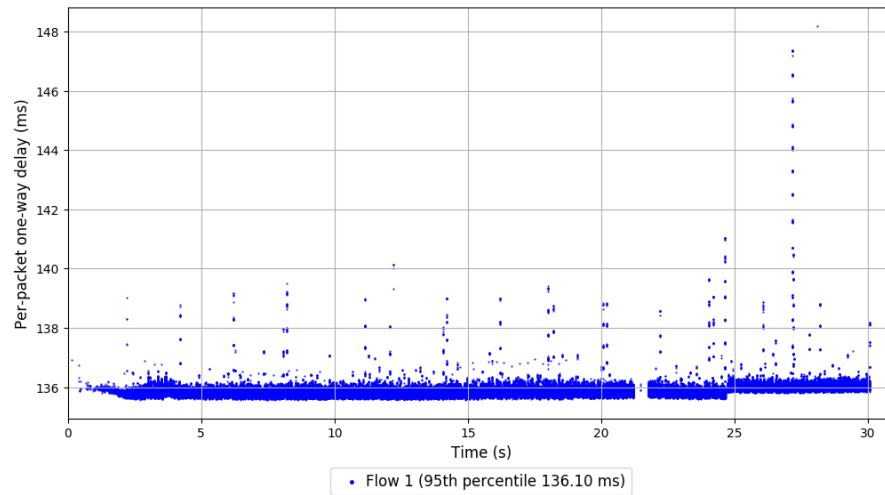
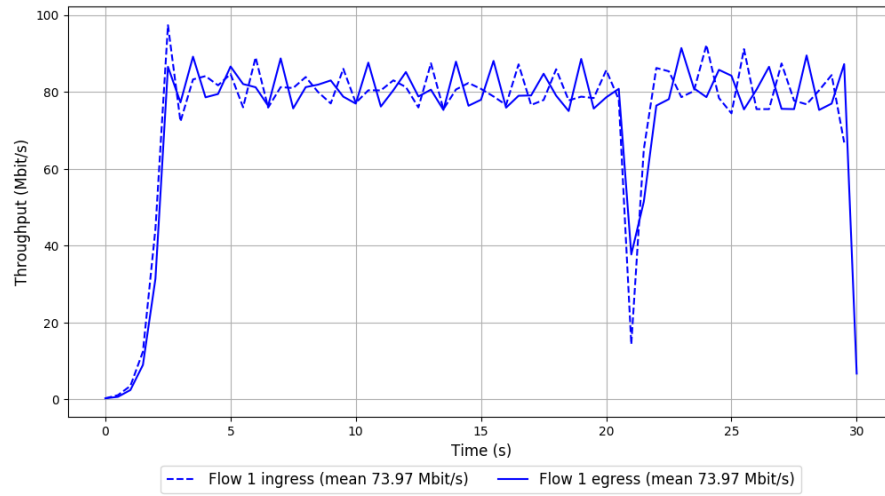
-- Flow 1:

Average throughput: 73.97 Mbit/s

95th percentile per-packet one-way delay: 136.104 ms

Loss rate: 0.00%

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



Run 5: Statistics of TCP BBR

Start at: 2018-04-17 22:09:07

End at: 2018-04-17 22:09:37

# Below is generated by plot.py at 2018-04-18 00:31:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.72 Mbit/s

95th percentile per-packet one-way delay: 136.589 ms

Loss rate: 0.00%

-- Flow 1:

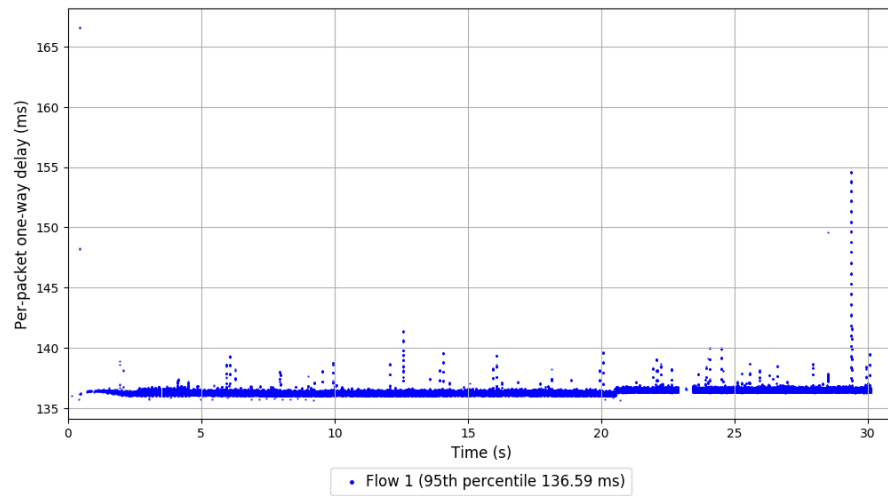
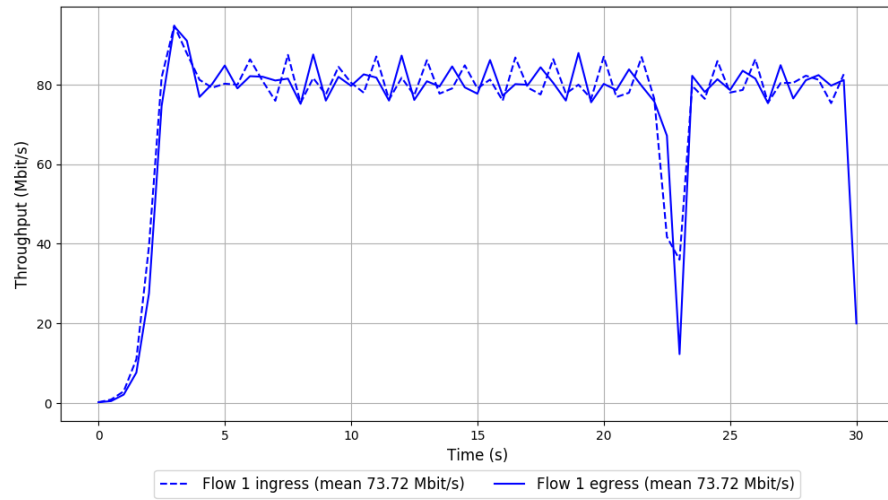
Average throughput: 73.72 Mbit/s

95th percentile per-packet one-way delay: 136.589 ms

Loss rate: 0.00%



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



Run 6: Statistics of TCP BBR

Start at: 2018-04-17 22:23:23

End at: 2018-04-17 22:23:53

# Below is generated by plot.py at 2018-04-18 00:31:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 79.25 Mbit/s

95th percentile per-packet one-way delay: 136.842 ms

Loss rate: 0.00%

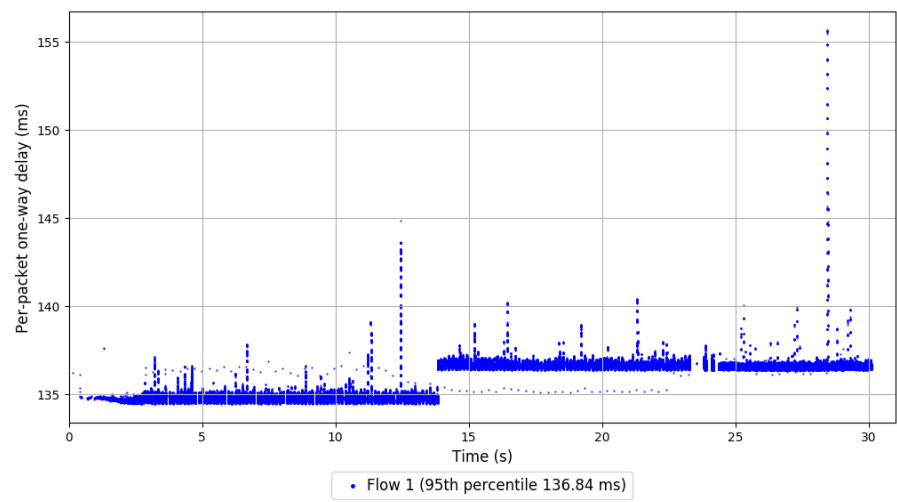
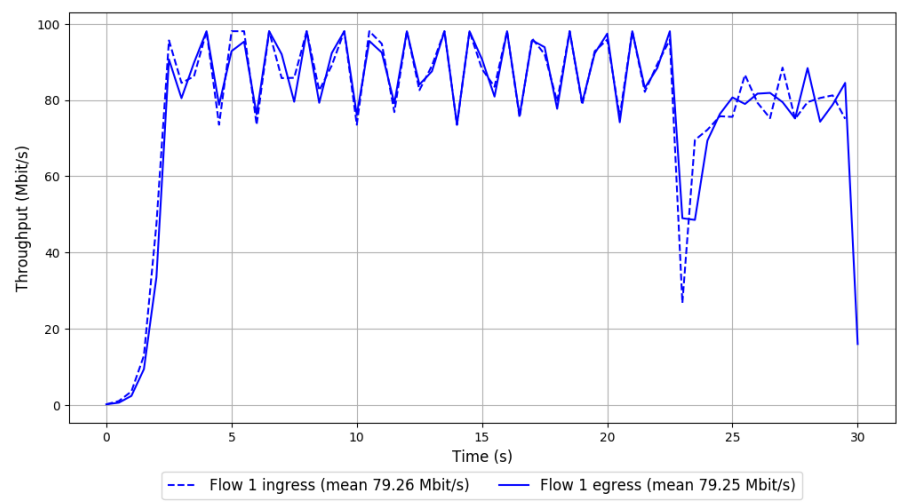
-- Flow 1:

Average throughput: 79.25 Mbit/s

95th percentile per-packet one-way delay: 136.842 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-04-17 22:37:28

End at: 2018-04-17 22:37:58

# Below is generated by plot.py at 2018-04-18 00:31:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.31 Mbit/s

95th percentile per-packet one-way delay: 136.658 ms

Loss rate: 0.00%

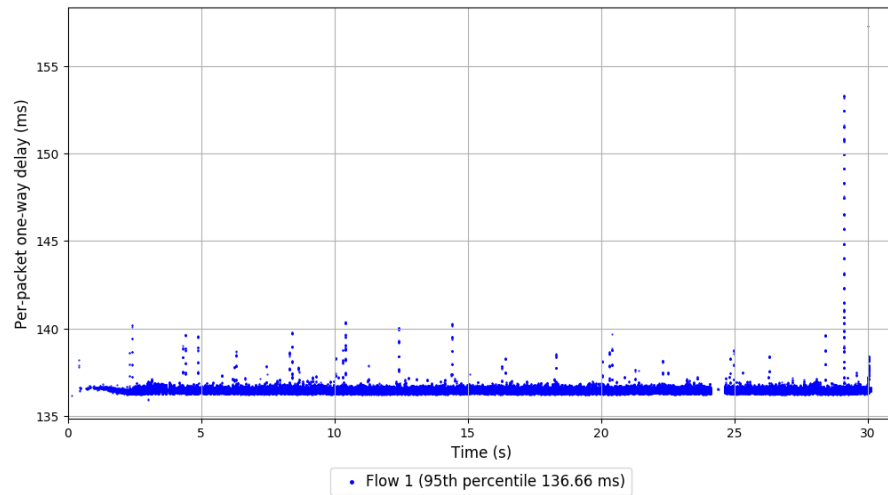
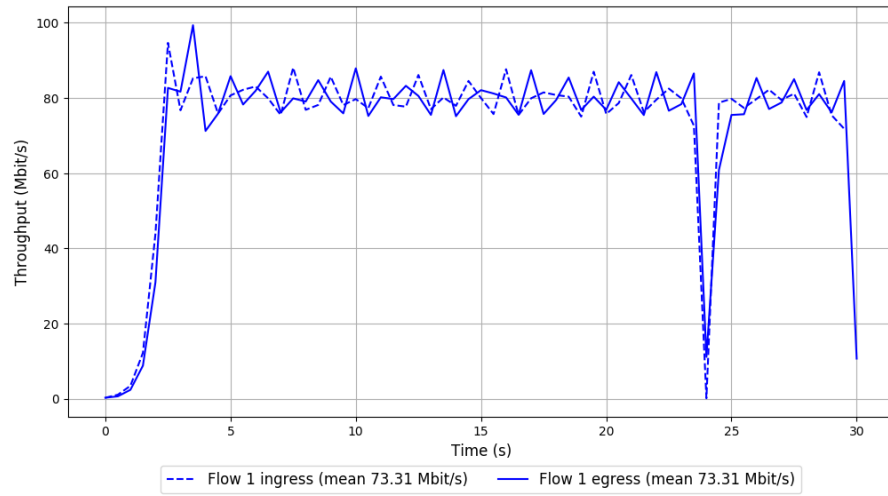
-- Flow 1:

Average throughput: 73.31 Mbit/s

95th percentile per-packet one-way delay: 136.658 ms

Loss rate: 0.00%

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



Run 8: Statistics of TCP BBR

Start at: 2018-04-17 22:51:35

End at: 2018-04-17 22:52:06

# Below is generated by plot.py at 2018-04-18 00:31:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.17 Mbit/s

95th percentile per-packet one-way delay: 135.318 ms

Loss rate: 0.00%

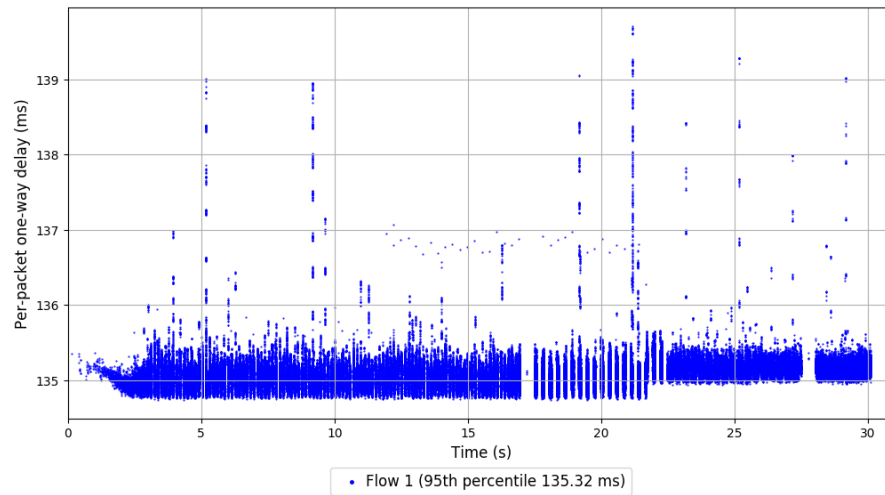
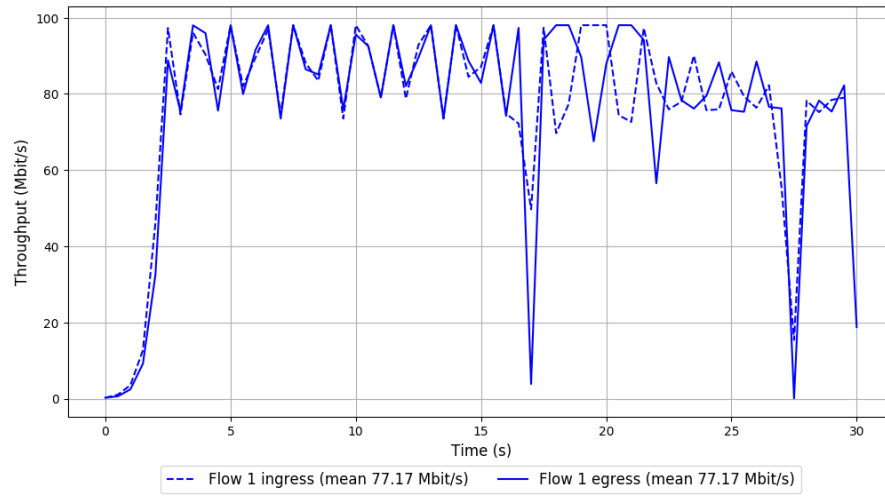
-- Flow 1:

Average throughput: 77.17 Mbit/s

95th percentile per-packet one-way delay: 135.318 ms

Loss rate: 0.00%

# Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-04-17 23:05:47

End at: 2018-04-17 23:06:17

# Below is generated by plot.py at 2018-04-18 00:32:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 74.33 Mbit/s

95th percentile per-packet one-way delay: 135.488 ms

Loss rate: 0.00%

-- Flow 1:

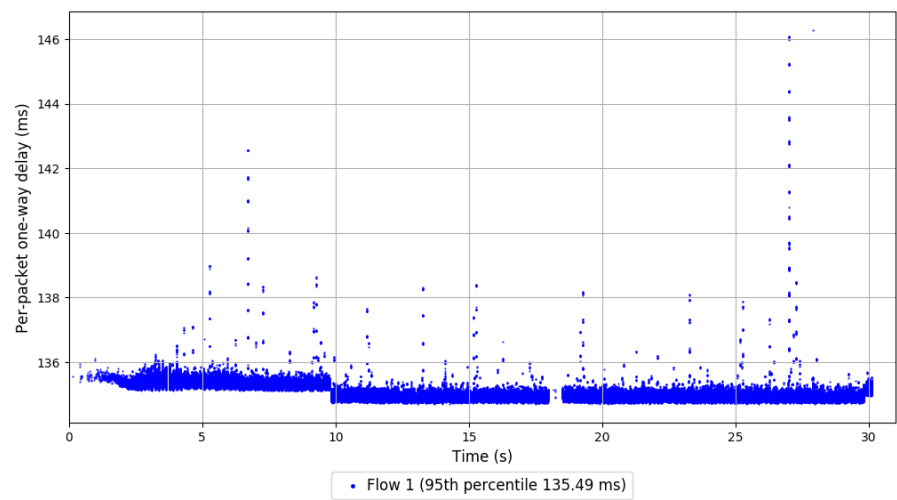
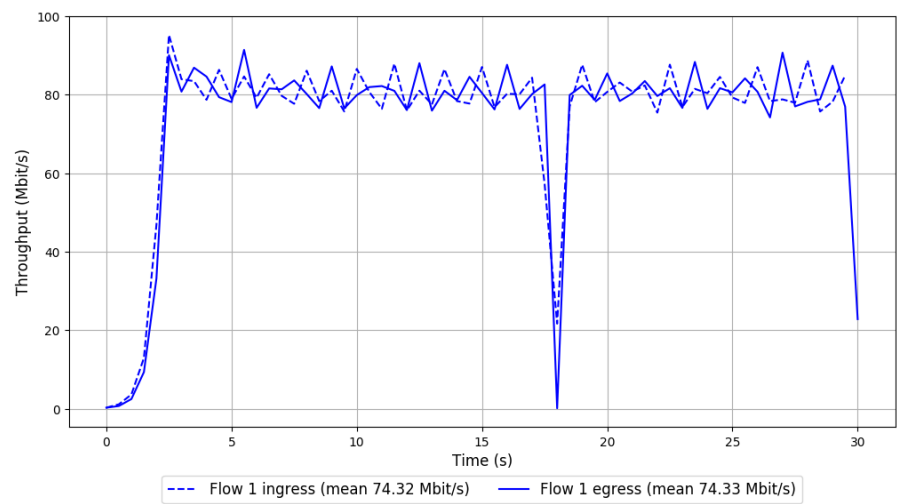
Average throughput: 74.33 Mbit/s

95th percentile per-packet one-way delay: 135.488 ms

Loss rate: 0.00%



Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-04-17 23:20:08

End at: 2018-04-17 23:20:38

# Below is generated by plot.py at 2018-04-18 00:32:37

# Datalink statistics

-- Total of 1 flow:

Average throughput: 78.71 Mbit/s

95th percentile per-packet one-way delay: 136.865 ms

Loss rate: 0.00%

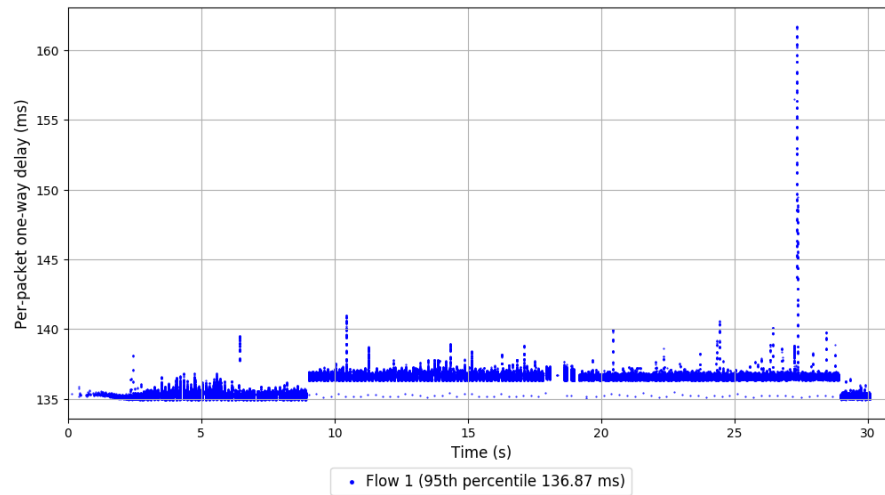
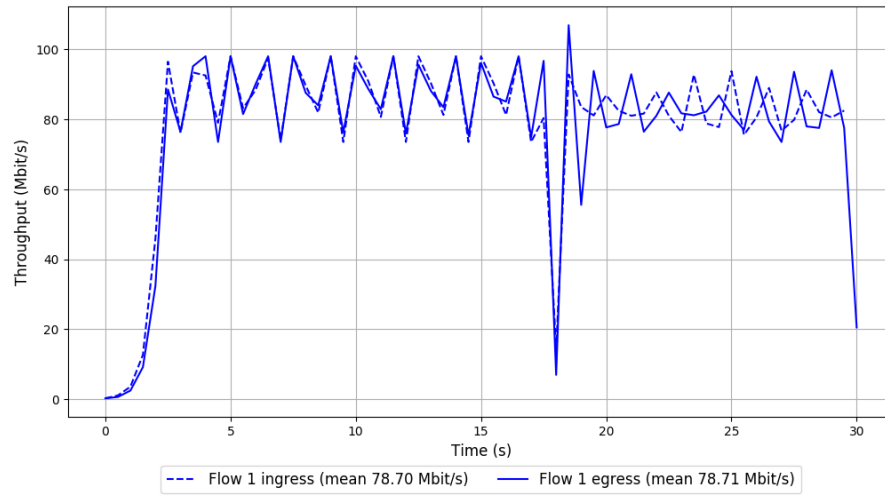
-- Flow 1:

Average throughput: 78.71 Mbit/s

95th percentile per-packet one-way delay: 136.865 ms

Loss rate: 0.00%

# Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-04-17 21:16:21

End at: 2018-04-17 21:16:51

# Below is generated by plot.py at 2018-04-18 00:32:37

# Datalink statistics

-- Total of 1 flow:

Average throughput: 43.12 Mbit/s

95th percentile per-packet one-way delay: 142.221 ms

Loss rate: 0.02%

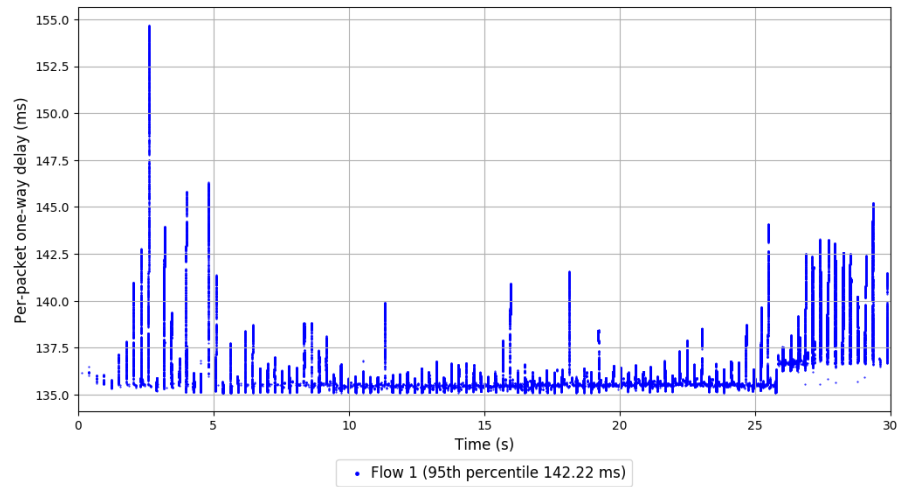
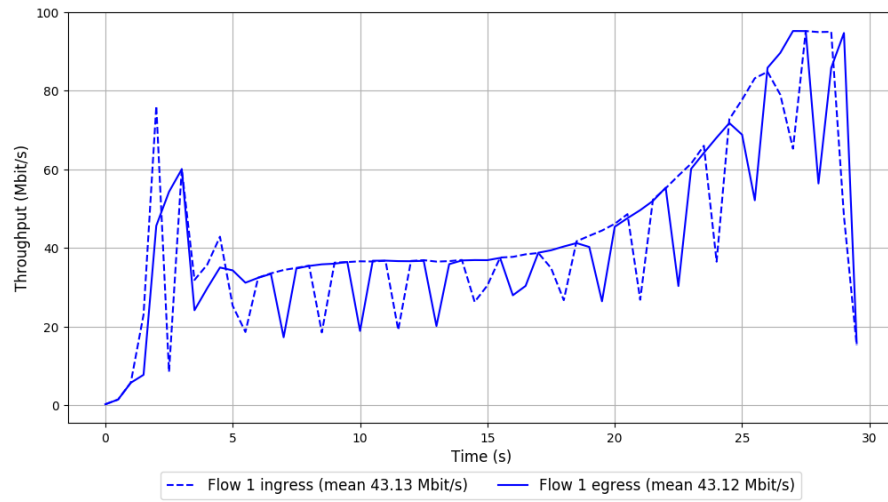
-- Flow 1:

Average throughput: 43.12 Mbit/s

95th percentile per-packet one-way delay: 142.221 ms

Loss rate: 0.02%

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



Run 2: Statistics of TCP Cubic

Start at: 2018-04-17 21:30:15

End at: 2018-04-17 21:30:45

# Below is generated by plot.py at 2018-04-18 00:32:37

# Datalink statistics

-- Total of 1 flow:

Average throughput: 52.21 Mbit/s

95th percentile per-packet one-way delay: 146.536 ms

Loss rate: 0.00%

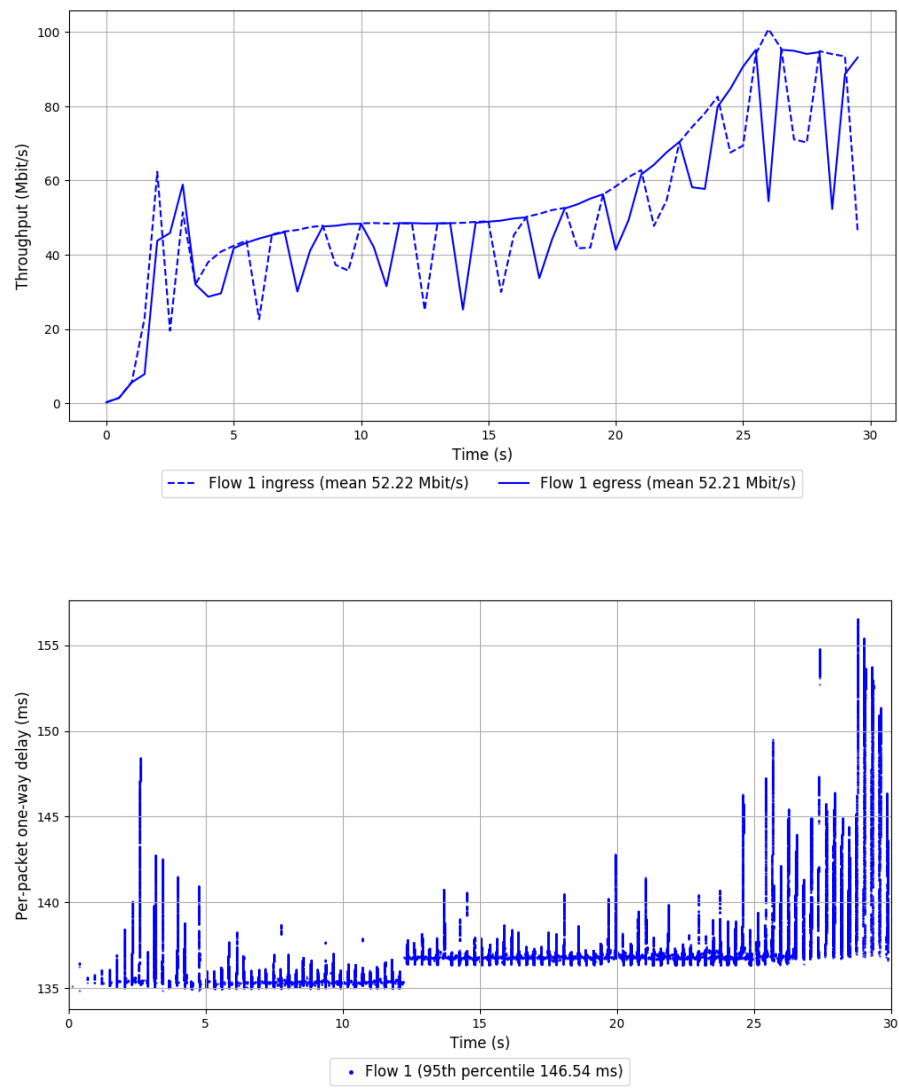
-- Flow 1:

Average throughput: 52.21 Mbit/s

95th percentile per-packet one-way delay: 146.536 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-04-17 21:44:32

End at: 2018-04-17 21:45:02

# Below is generated by plot.py at 2018-04-18 00:32:37

# Datalink statistics

-- Total of 1 flow:

Average throughput: 47.50 Mbit/s

95th percentile per-packet one-way delay: 141.736 ms

Loss rate: 0.00%

-- Flow 1:

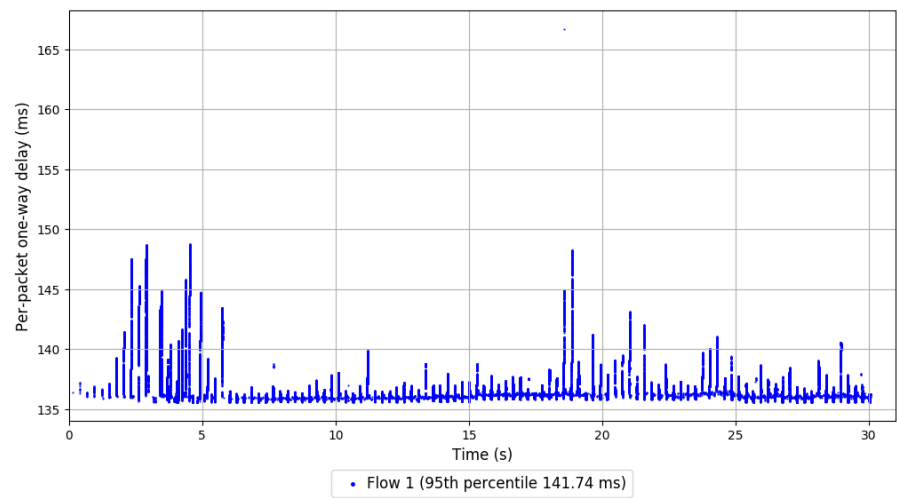
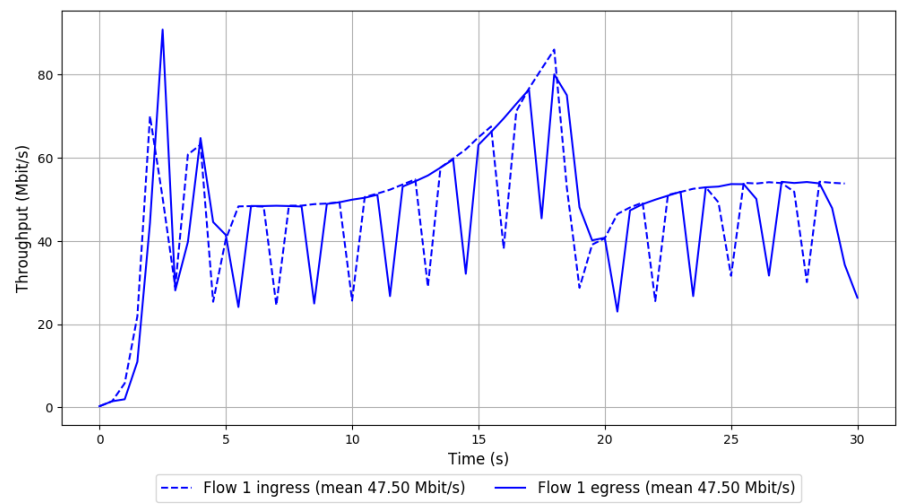
Average throughput: 47.50 Mbit/s

95th percentile per-packet one-way delay: 141.736 ms

Loss rate: 0.00%



Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-04-17 21:58:50

End at: 2018-04-17 21:59:21

# Below is generated by plot.py at 2018-04-18 00:32:37

# Datalink statistics

-- Total of 1 flow:

Average throughput: 64.53 Mbit/s

95th percentile per-packet one-way delay: 148.805 ms

Loss rate: 0.00%

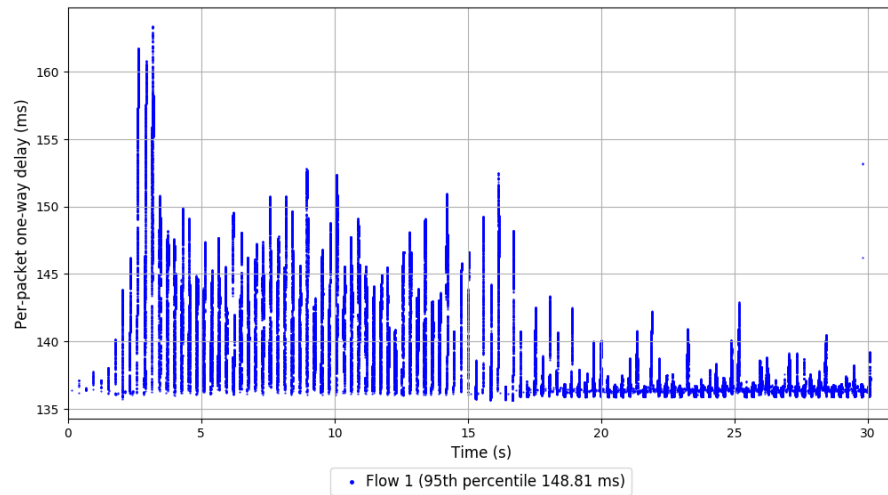
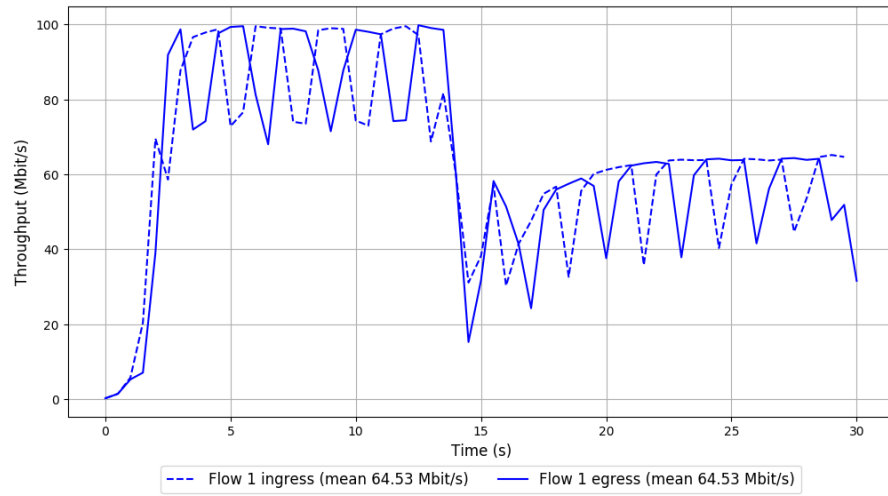
-- Flow 1:

Average throughput: 64.53 Mbit/s

95th percentile per-packet one-way delay: 148.805 ms

Loss rate: 0.00%

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



Run 5: Statistics of TCP Cubic

Start at: 2018-04-17 22:13:09

End at: 2018-04-17 22:13:39

# Below is generated by plot.py at 2018-04-18 00:32:37

# Datalink statistics

-- Total of 1 flow:

Average throughput: 55.33 Mbit/s

95th percentile per-packet one-way delay: 140.911 ms

Loss rate: 0.00%

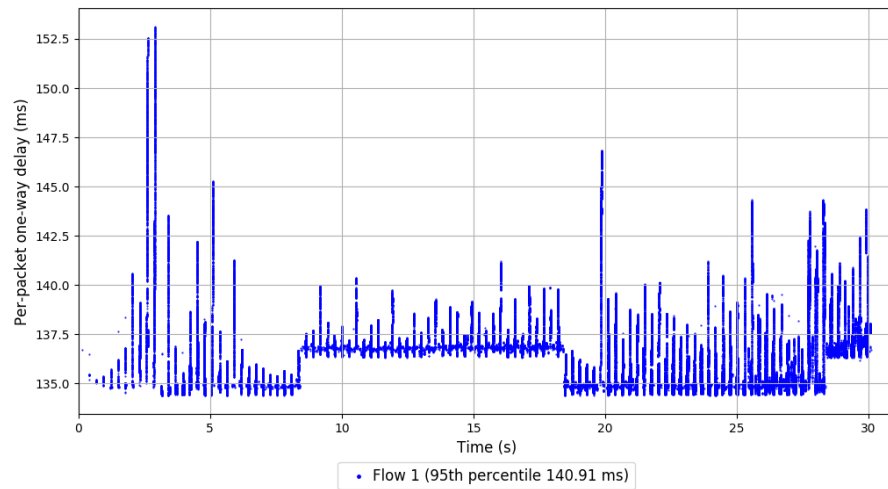
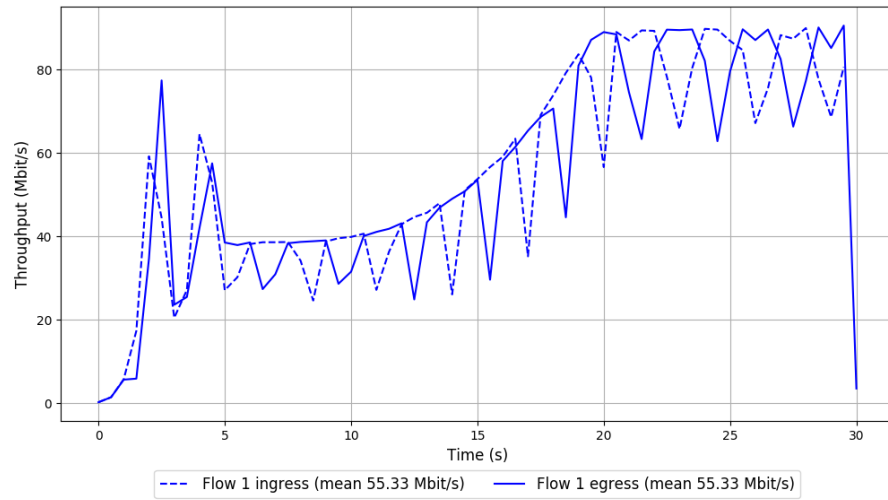
-- Flow 1:

Average throughput: 55.33 Mbit/s

95th percentile per-packet one-way delay: 140.911 ms

Loss rate: 0.00%

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



Run 6: Statistics of TCP Cubic

Start at: 2018-04-17 22:27:23

End at: 2018-04-17 22:27:53

# Below is generated by plot.py at 2018-04-18 00:32:37

# Datalink statistics

-- Total of 1 flow:

Average throughput: 59.29 Mbit/s

95th percentile per-packet one-way delay: 143.481 ms

Loss rate: 0.00%

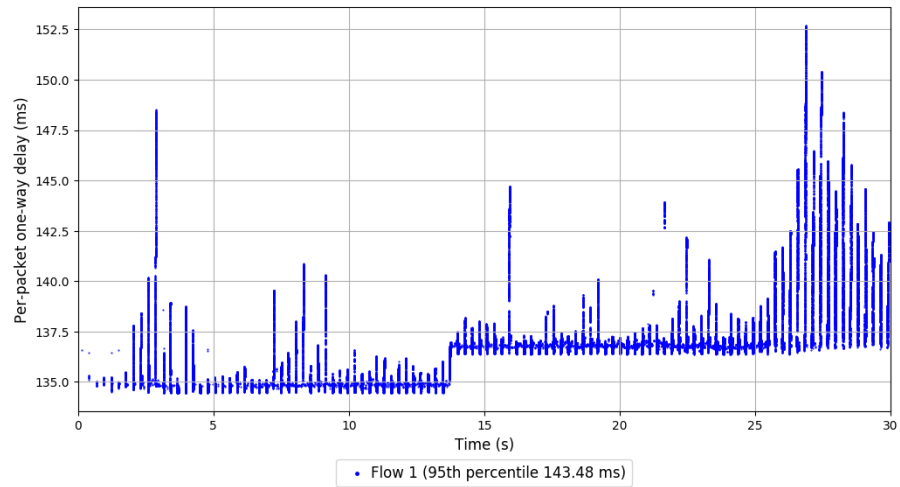
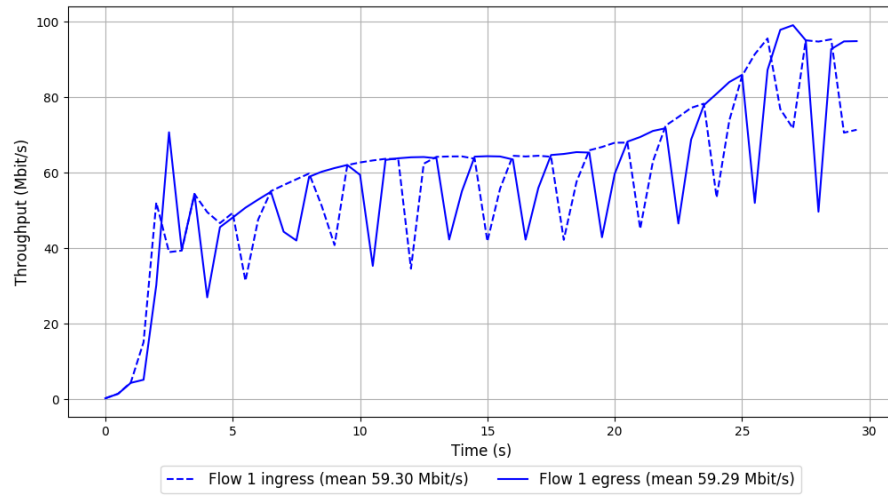
-- Flow 1:

Average throughput: 59.29 Mbit/s

95th percentile per-packet one-way delay: 143.481 ms

Loss rate: 0.00%

## Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-04-17 22:41:29

End at: 2018-04-17 22:41:59

# Below is generated by plot.py at 2018-04-18 00:33:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 57.76 Mbit/s

95th percentile per-packet one-way delay: 139.356 ms

Loss rate: 0.00%

-- Flow 1:

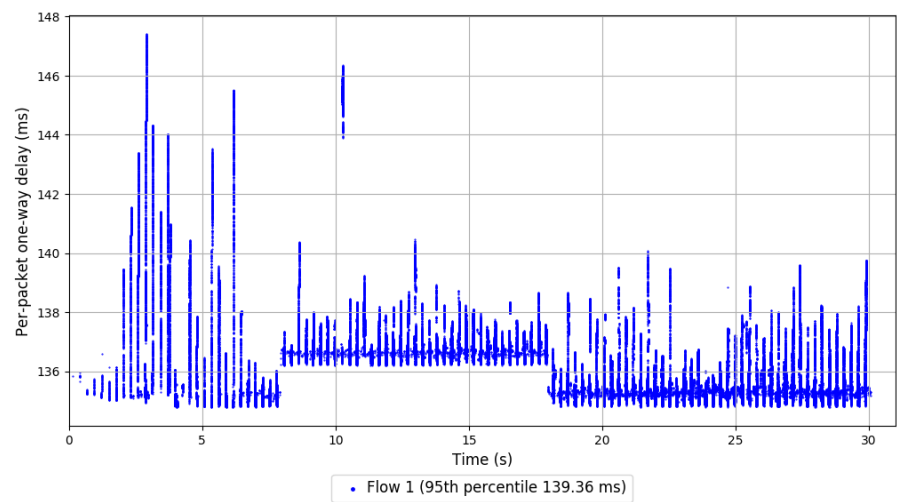
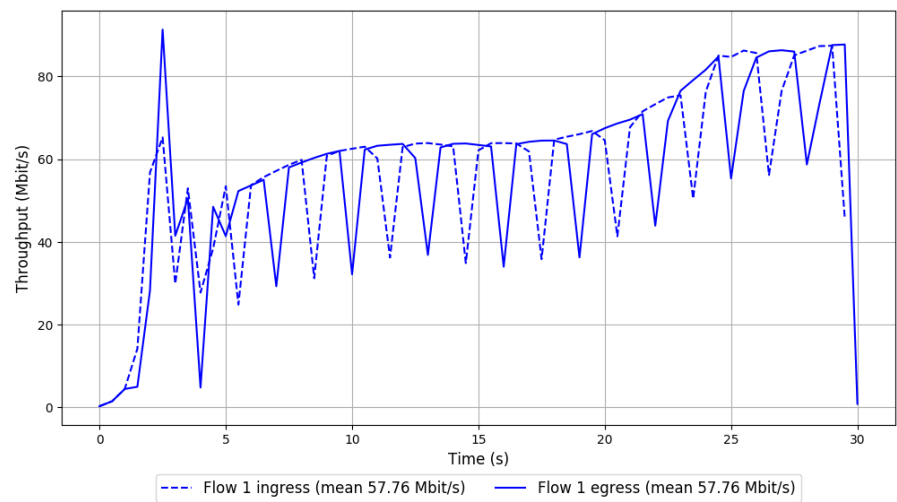
Average throughput: 57.76 Mbit/s

95th percentile per-packet one-way delay: 139.356 ms

Loss rate: 0.00%



Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-04-17 22:55:32

End at: 2018-04-17 22:56:02

# Below is generated by plot.py at 2018-04-18 00:33:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.27 Mbit/s

95th percentile per-packet one-way delay: 146.956 ms

Loss rate: 0.00%

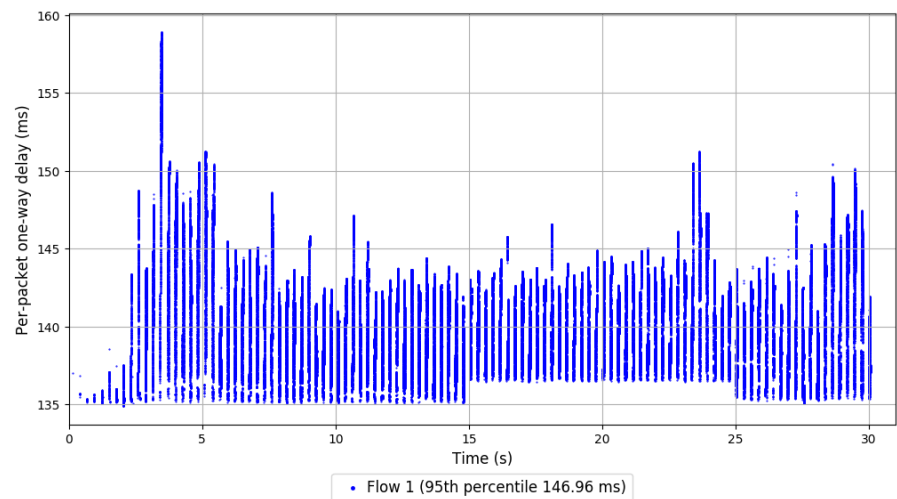
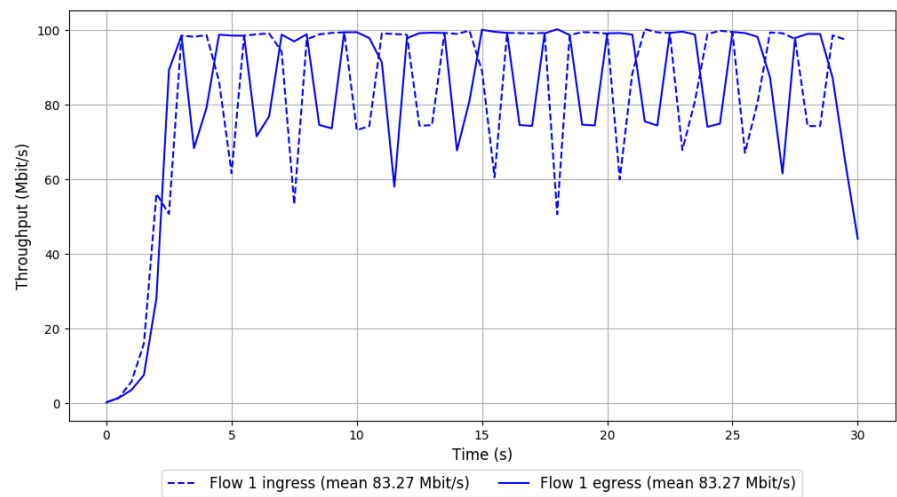
-- Flow 1:

Average throughput: 83.27 Mbit/s

95th percentile per-packet one-way delay: 146.956 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-04-17 23:09:45

End at: 2018-04-17 23:10:15

# Below is generated by plot.py at 2018-04-18 00:33:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 61.46 Mbit/s

95th percentile per-packet one-way delay: 145.776 ms

Loss rate: 0.01%

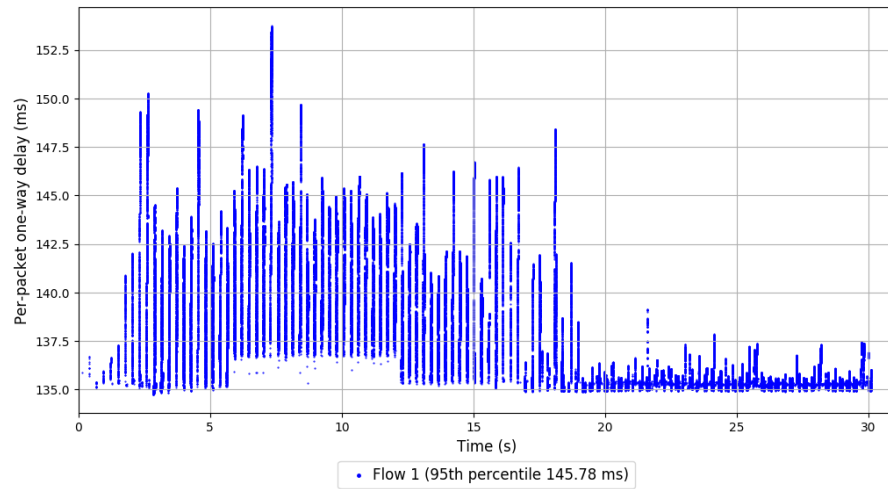
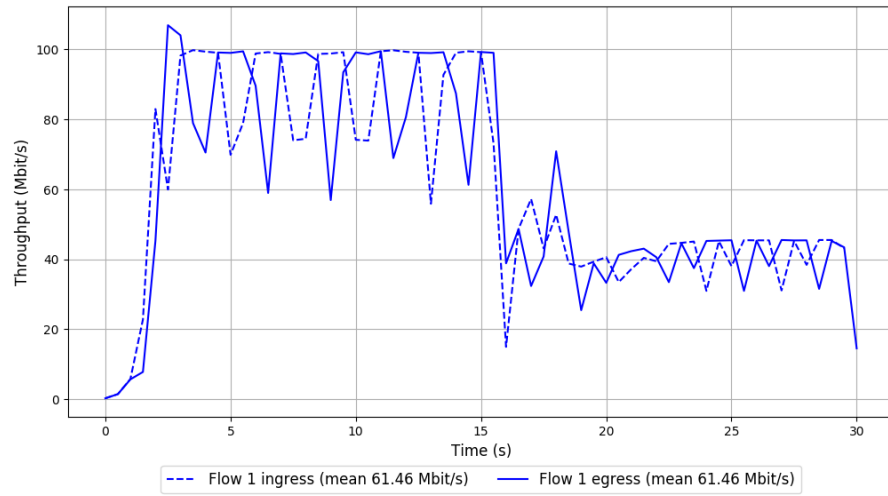
-- Flow 1:

Average throughput: 61.46 Mbit/s

95th percentile per-packet one-way delay: 145.776 ms

Loss rate: 0.01%

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



Run 10: Statistics of TCP Cubic

Start at: 2018-04-17 23:24:01

End at: 2018-04-17 23:24:31

# Below is generated by plot.py at 2018-04-18 00:33:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 61.05 Mbit/s

95th percentile per-packet one-way delay: 141.682 ms

Loss rate: 0.00%

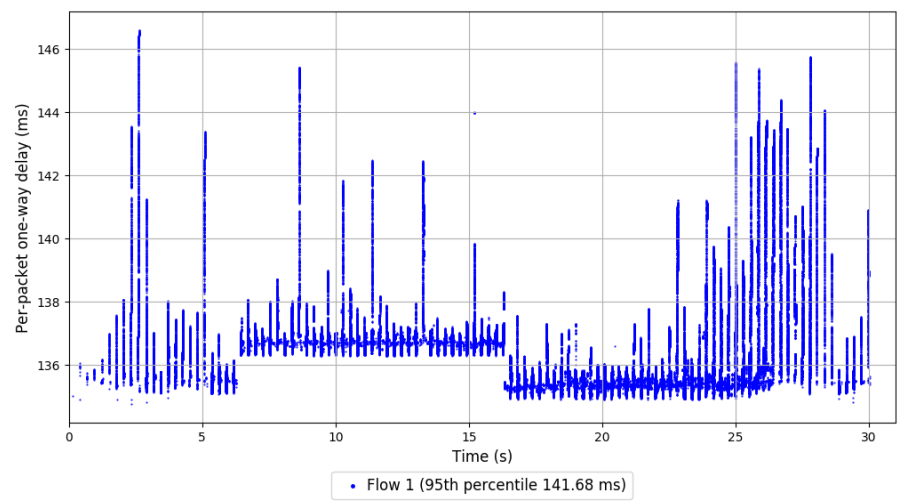
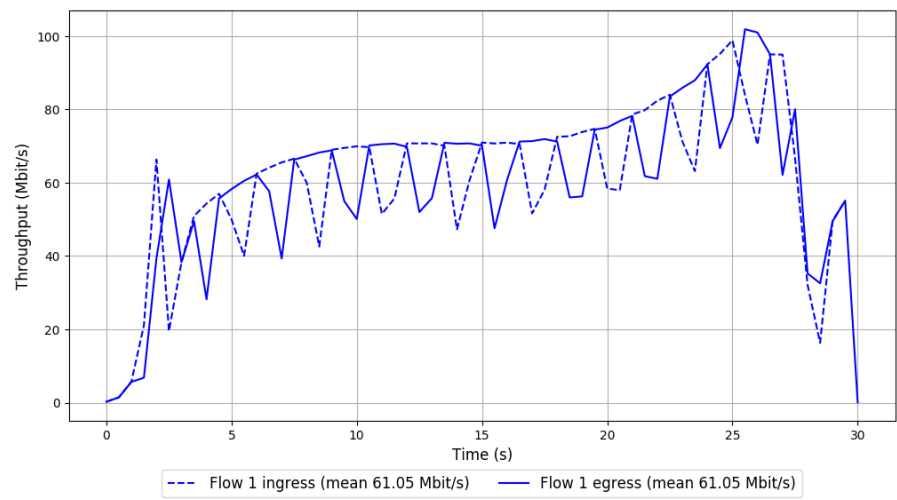
-- Flow 1:

Average throughput: 61.05 Mbit/s

95th percentile per-packet one-way delay: 141.682 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link



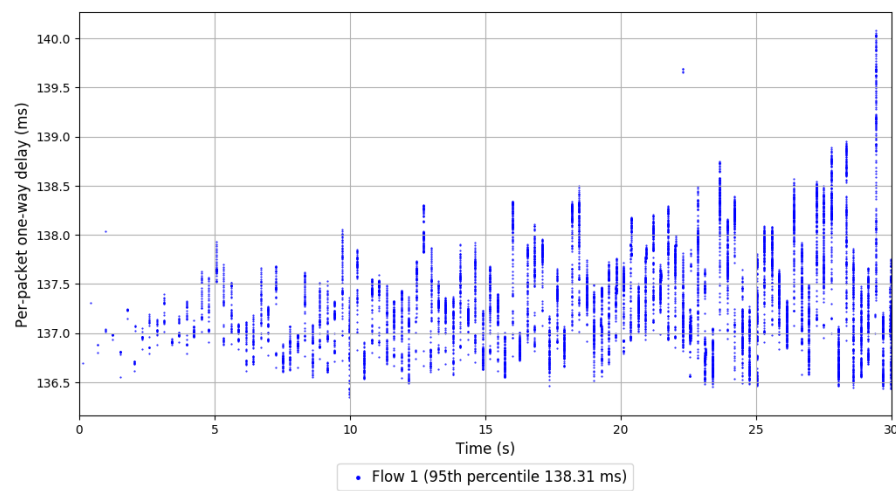
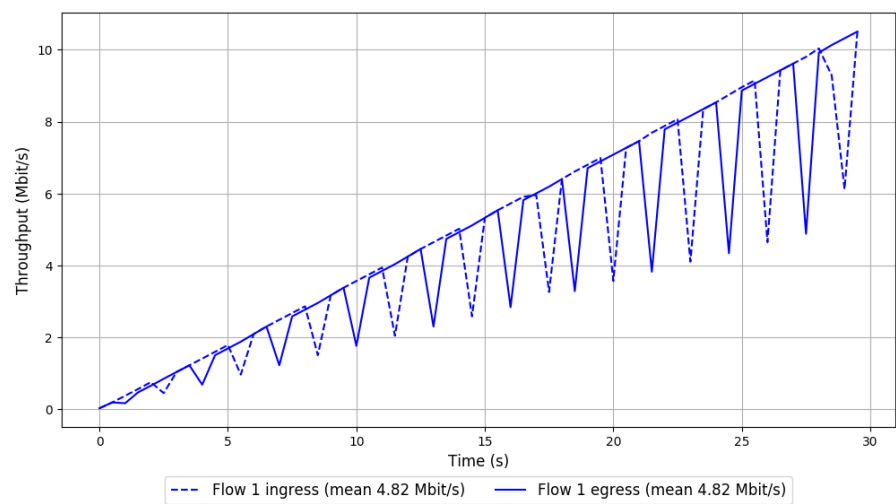
```
Run 1: Statistics of LEDBAT

Start at: 2018-04-17 21:21:51
End at: 2018-04-17 21:22:21

# Below is generated by plot.py at 2018-04-18 00:33:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.82 Mbit/s
95th percentile per-packet one-way delay: 138.314 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.82 Mbit/s
95th percentile per-packet one-way delay: 138.314 ms
Loss rate: 0.00%
```



Run 1: Report of LEDBAT — Data Link

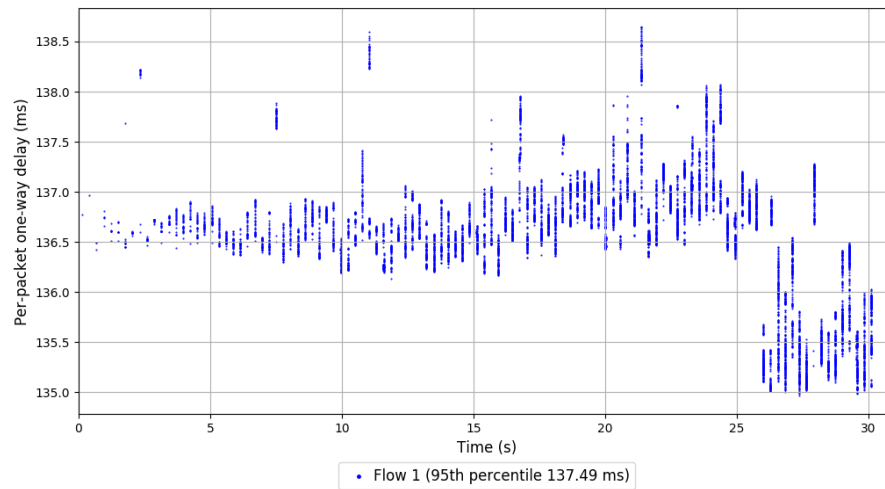
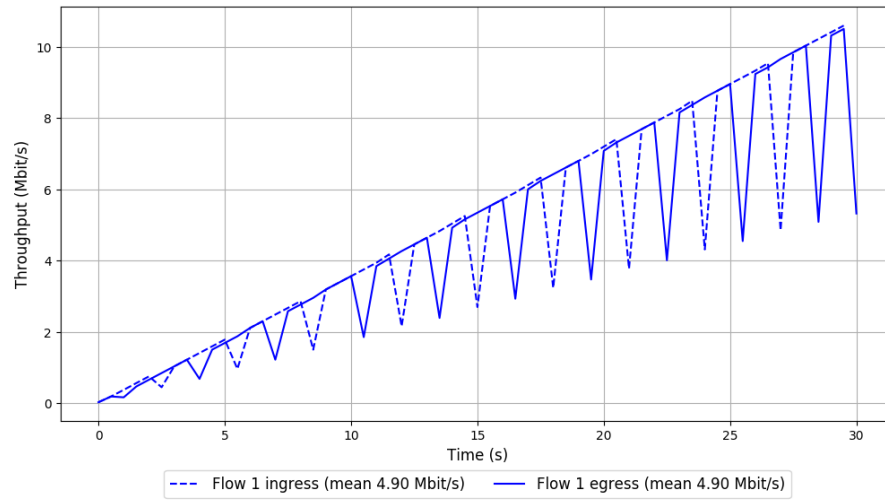


```
Run 2: Statistics of LEDBAT

Start at: 2018-04-17 21:36:01
End at: 2018-04-17 21:36:31

# Below is generated by plot.py at 2018-04-18 00:33:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.90 Mbit/s
95th percentile per-packet one-way delay: 137.491 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.90 Mbit/s
95th percentile per-packet one-way delay: 137.491 ms
Loss rate: 0.00%
```

## Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-04-17 21:50:21

End at: 2018-04-17 21:50:51

# Below is generated by plot.py at 2018-04-18 00:33:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.77 Mbit/s

95th percentile per-packet one-way delay: 137.312 ms

Loss rate: 0.01%

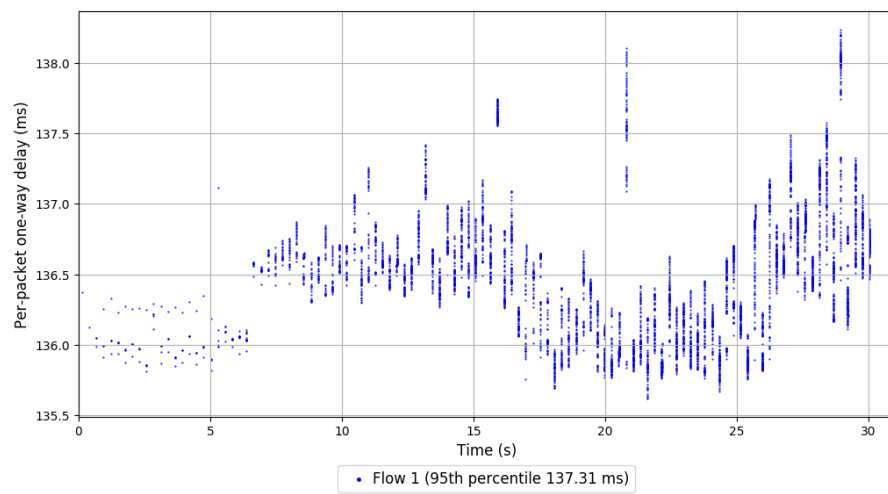
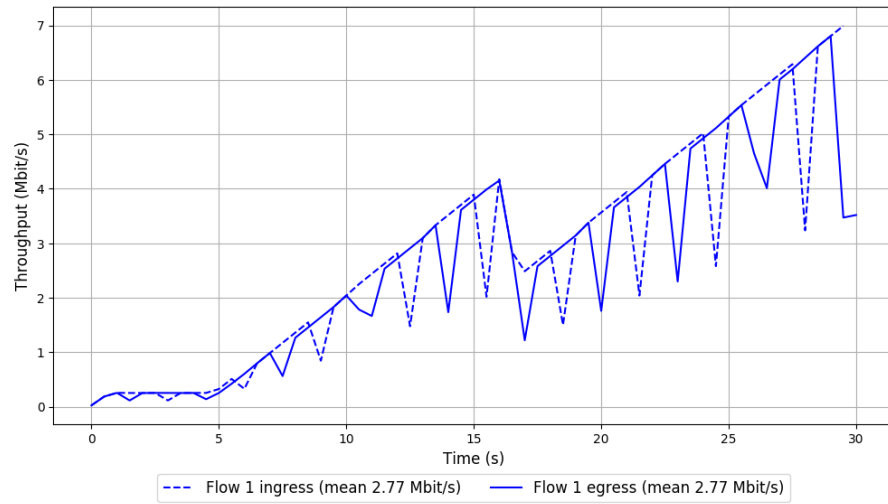
-- Flow 1:

Average throughput: 2.77 Mbit/s

95th percentile per-packet one-way delay: 137.312 ms

Loss rate: 0.01%

### Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-04-17 22:04:34

End at: 2018-04-17 22:05:04

# Below is generated by plot.py at 2018-04-18 00:33:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 3.10 Mbit/s

95th percentile per-packet one-way delay: 137.897 ms

Loss rate: 0.00%

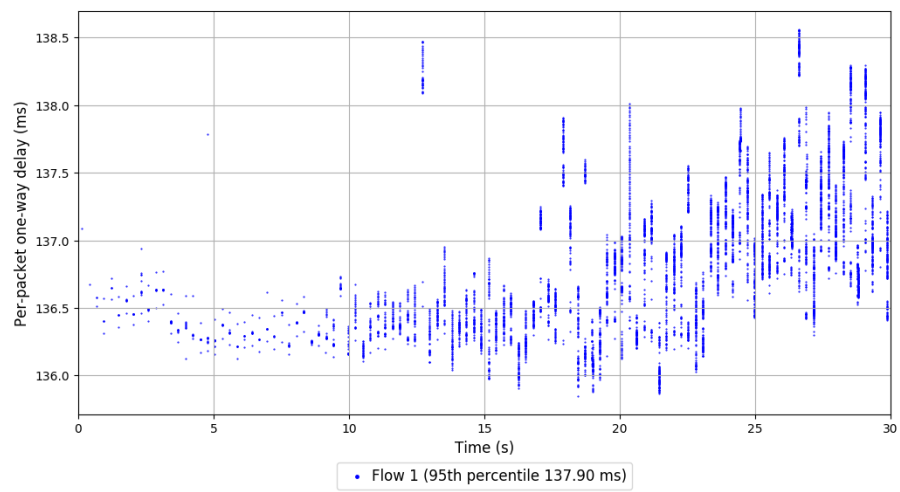
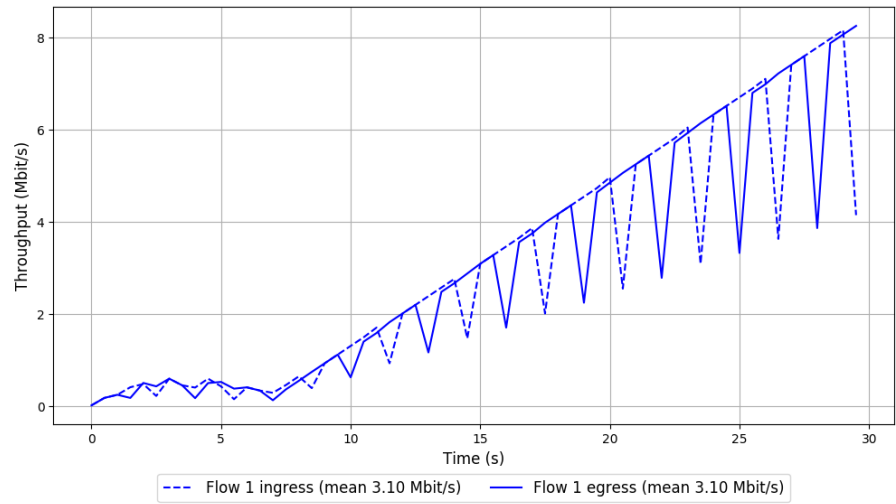
-- Flow 1:

Average throughput: 3.10 Mbit/s

95th percentile per-packet one-way delay: 137.897 ms

Loss rate: 0.00%

#### Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-04-17 22:18:53

End at: 2018-04-17 22:19:23

# Below is generated by plot.py at 2018-04-18 00:33:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.84 Mbit/s

95th percentile per-packet one-way delay: 138.105 ms

Loss rate: 0.00%

-- Flow 1:

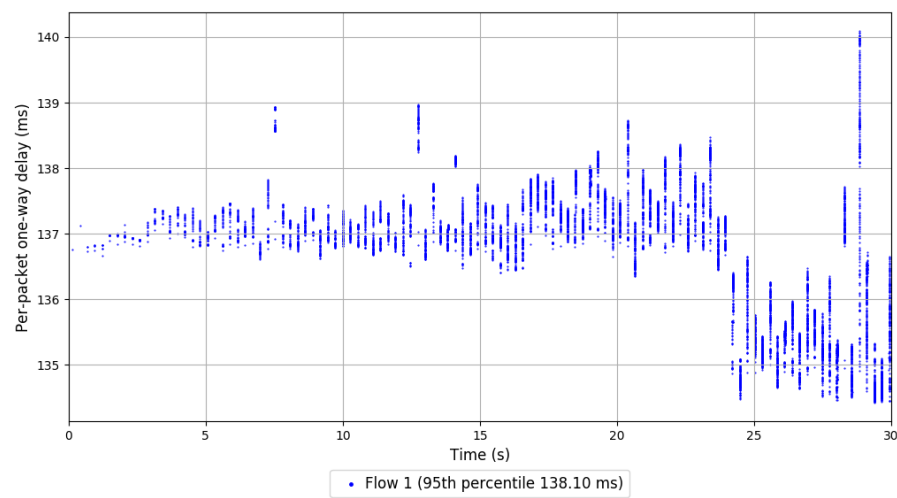
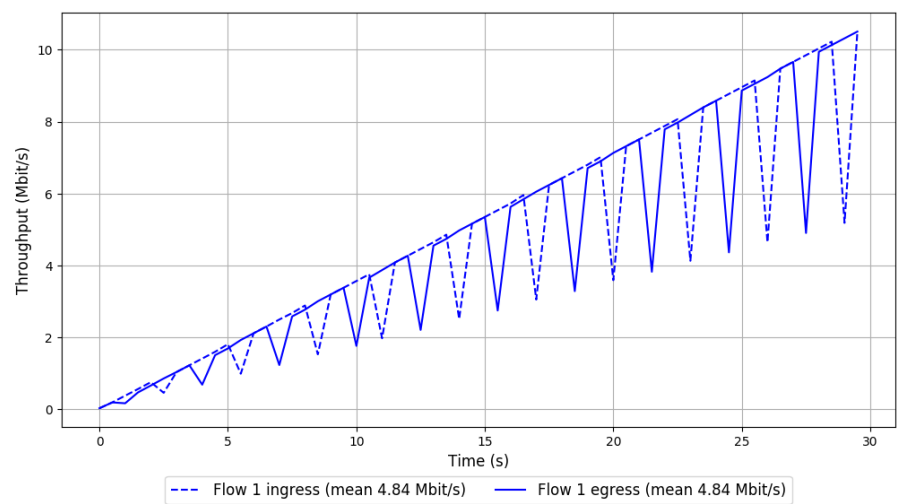
Average throughput: 4.84 Mbit/s

95th percentile per-packet one-way delay: 138.105 ms

Loss rate: 0.00%



Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-04-17 22:32:56

End at: 2018-04-17 22:33:26

# Below is generated by plot.py at 2018-04-18 00:33:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.86 Mbit/s

95th percentile per-packet one-way delay: 137.287 ms

Loss rate: 0.00%

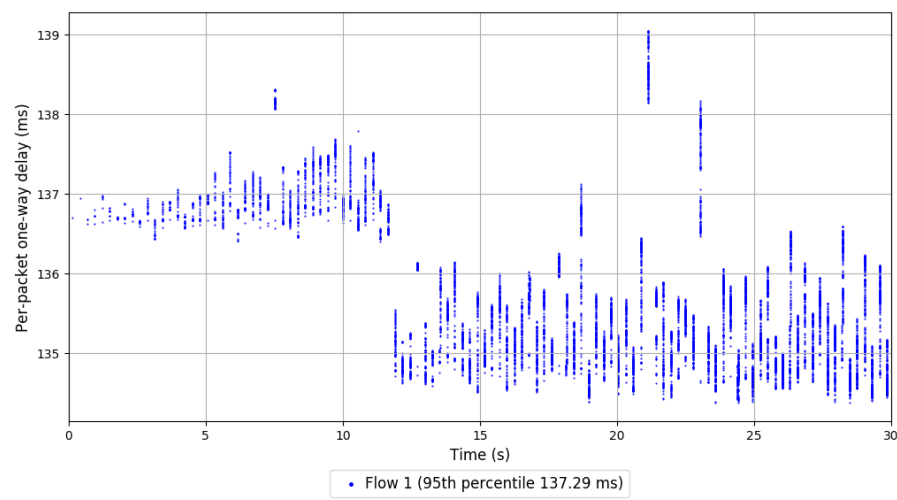
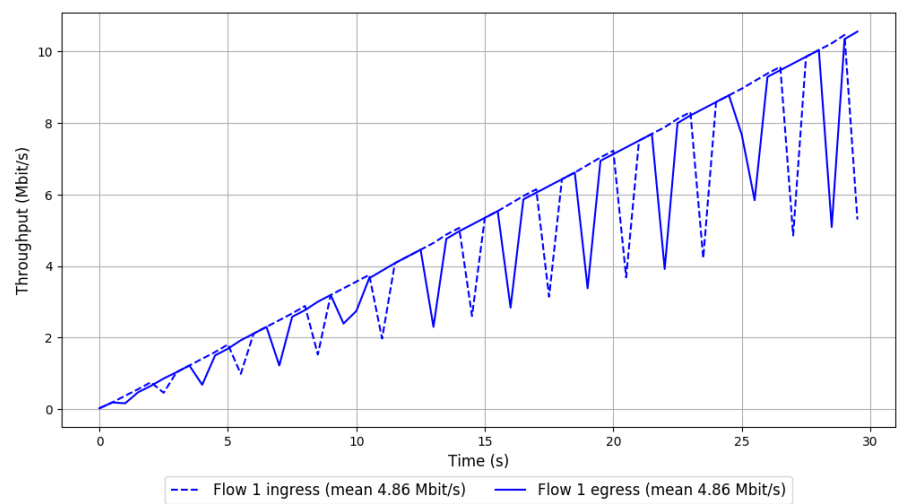
-- Flow 1:

Average throughput: 4.86 Mbit/s

95th percentile per-packet one-way delay: 137.287 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-04-17 22:46:59

End at: 2018-04-17 22:47:29

# Below is generated by plot.py at 2018-04-18 00:33:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.71 Mbit/s

95th percentile per-packet one-way delay: 137.281 ms

Loss rate: 0.00%

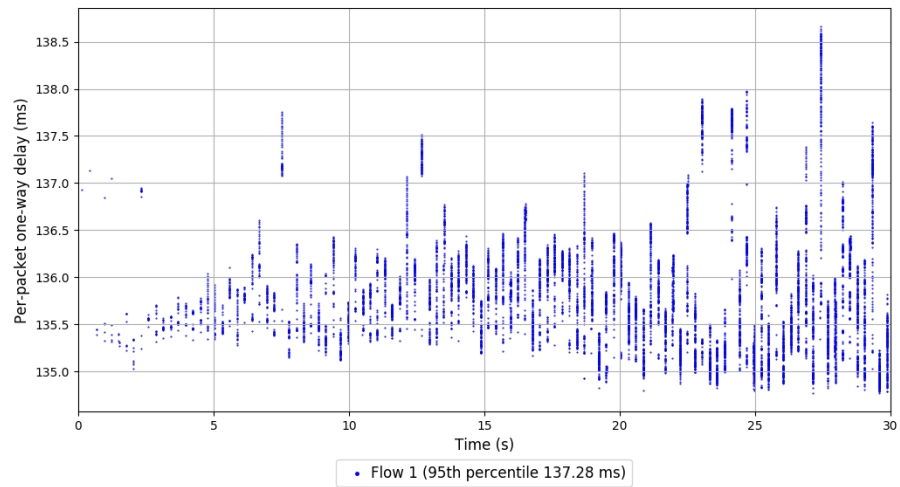
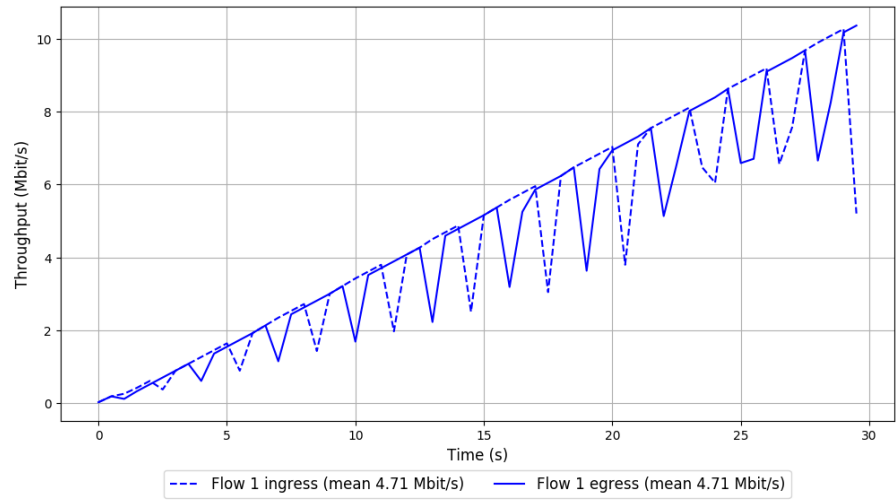
-- Flow 1:

Average throughput: 4.71 Mbit/s

95th percentile per-packet one-way delay: 137.281 ms

Loss rate: 0.00%

## Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-04-17 23:01:21

End at: 2018-04-17 23:01:51

# Below is generated by plot.py at 2018-04-18 00:33:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.51 Mbit/s

95th percentile per-packet one-way delay: 137.325 ms

Loss rate: 0.00%

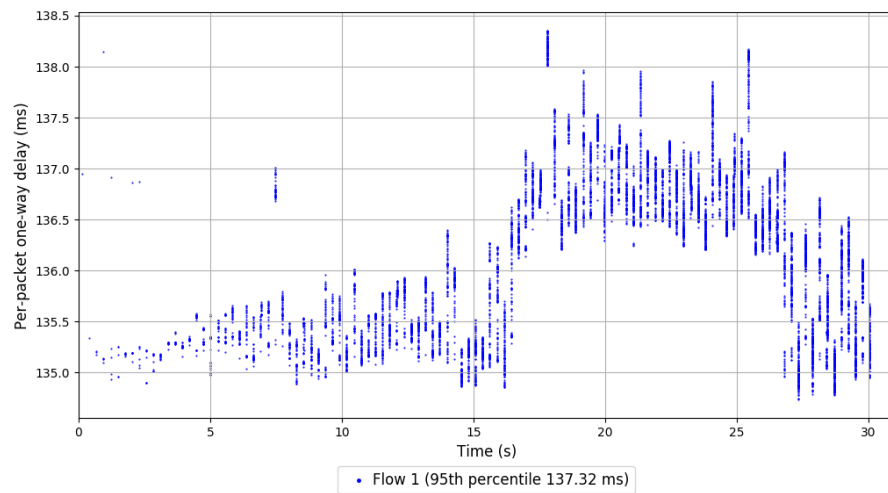
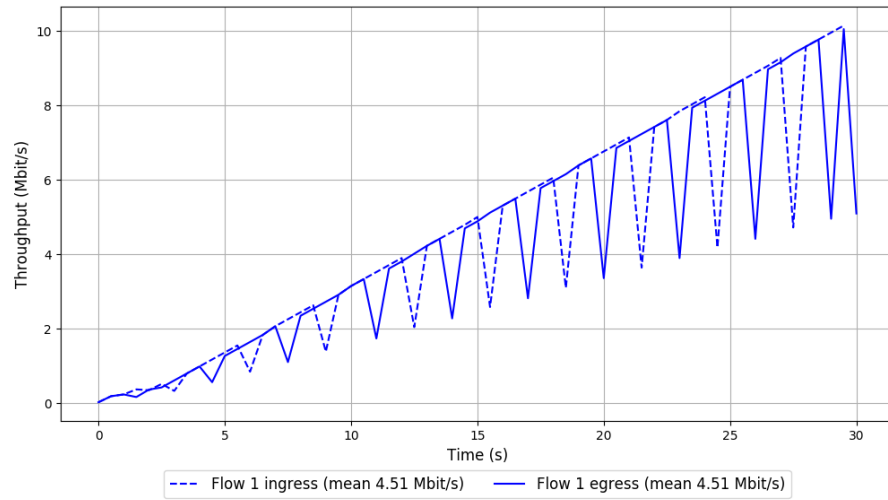
-- Flow 1:

Average throughput: 4.51 Mbit/s

95th percentile per-packet one-way delay: 137.325 ms

Loss rate: 0.00%

## Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-04-17 23:15:34

End at: 2018-04-17 23:16:04

# Below is generated by plot.py at 2018-04-18 00:33:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.82 Mbit/s

95th percentile per-packet one-way delay: 138.192 ms

Loss rate: 0.00%

-- Flow 1:

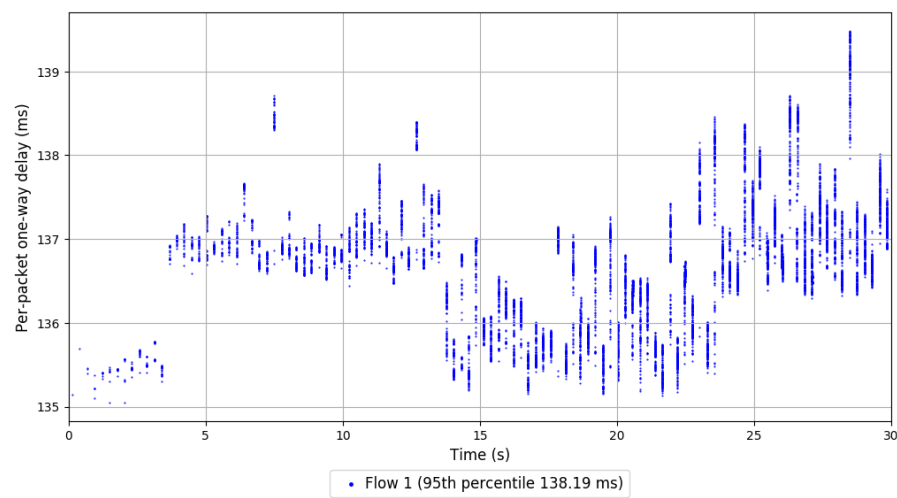
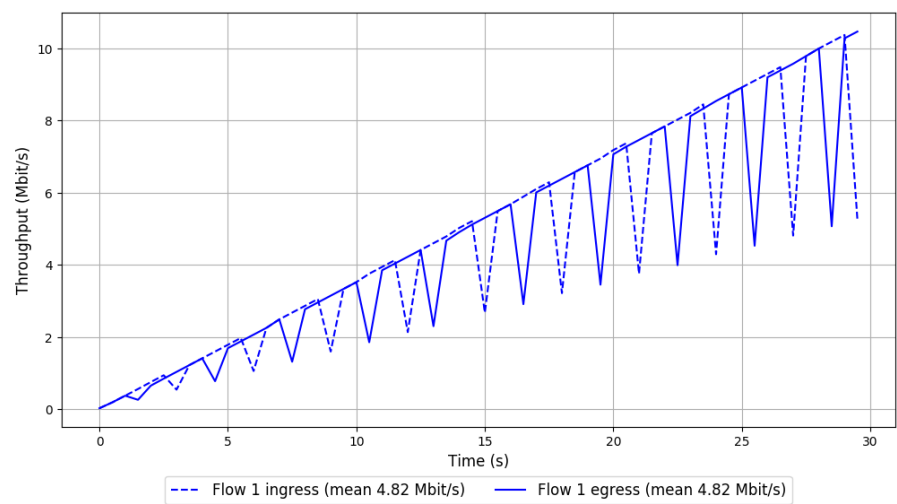
Average throughput: 4.82 Mbit/s

95th percentile per-packet one-way delay: 138.192 ms

Loss rate: 0.00%



Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-04-17 23:29:33

End at: 2018-04-17 23:30:03

# Below is generated by plot.py at 2018-04-18 00:33:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 3.02 Mbit/s

95th percentile per-packet one-way delay: 137.322 ms

Loss rate: 0.01%

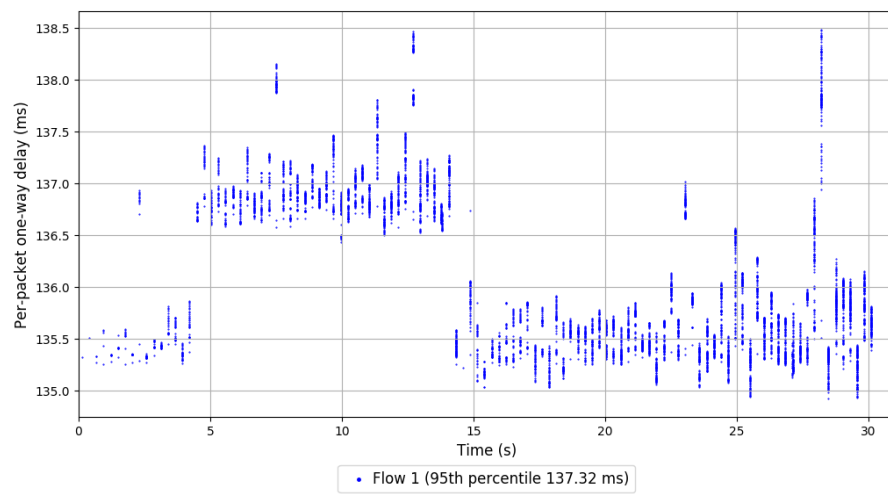
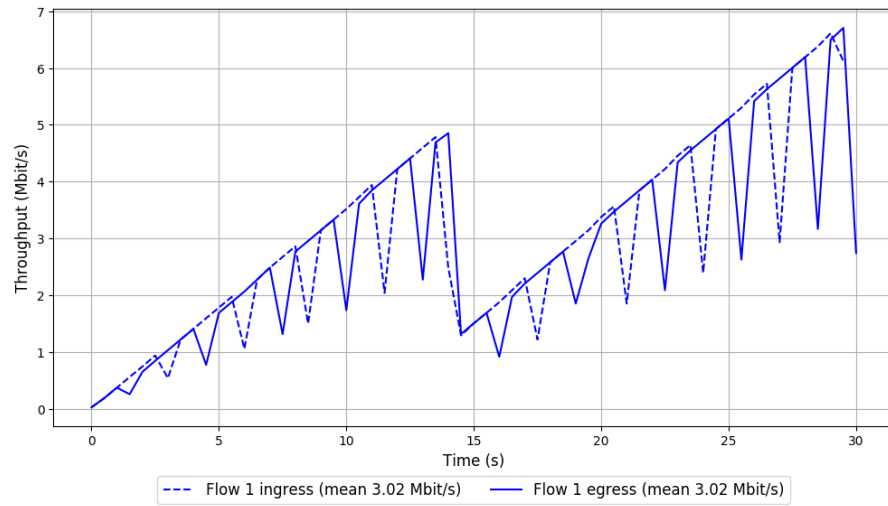
-- Flow 1:

Average throughput: 3.02 Mbit/s

95th percentile per-packet one-way delay: 137.322 ms

Loss rate: 0.01%

# Run 10: Report of LEDBAT — Data Link

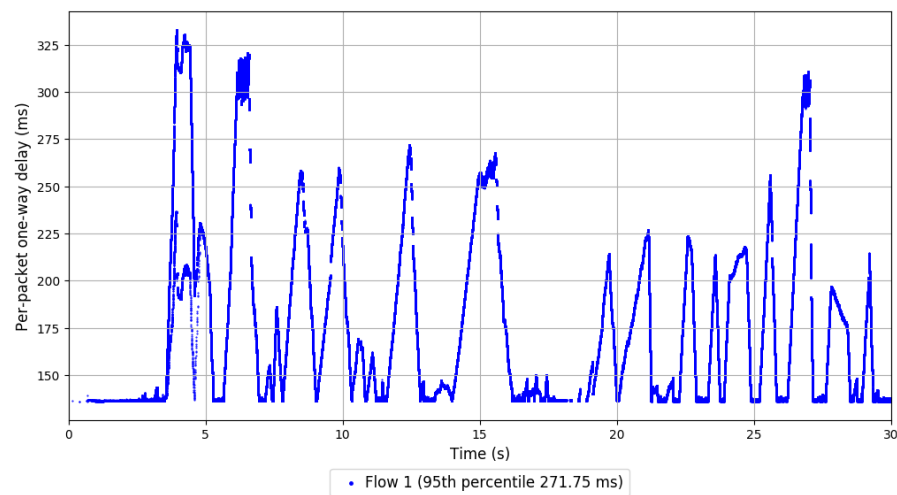
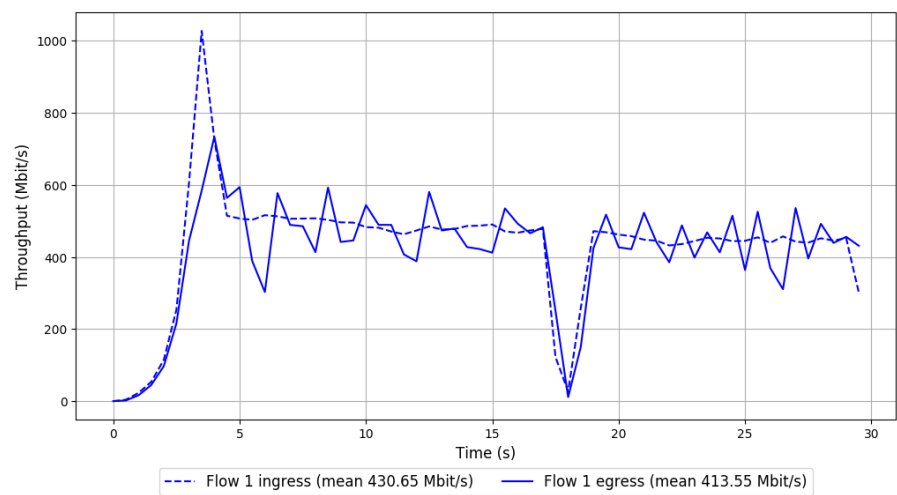


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-04-17 21:10:26
End at: 2018-04-17 21:10:56

# Below is generated by plot.py at 2018-04-18 00:39:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 413.55 Mbit/s
95th percentile per-packet one-way delay: 271.746 ms
Loss rate: 3.97%
-- Flow 1:
Average throughput: 413.55 Mbit/s
95th percentile per-packet one-way delay: 271.746 ms
Loss rate: 3.97%
```

Run 1: Report of PCC-Allegro — Data Link

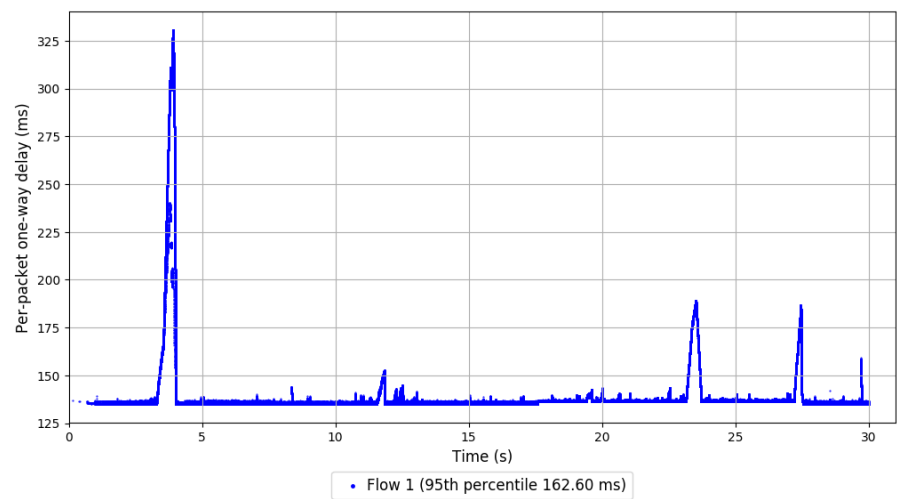
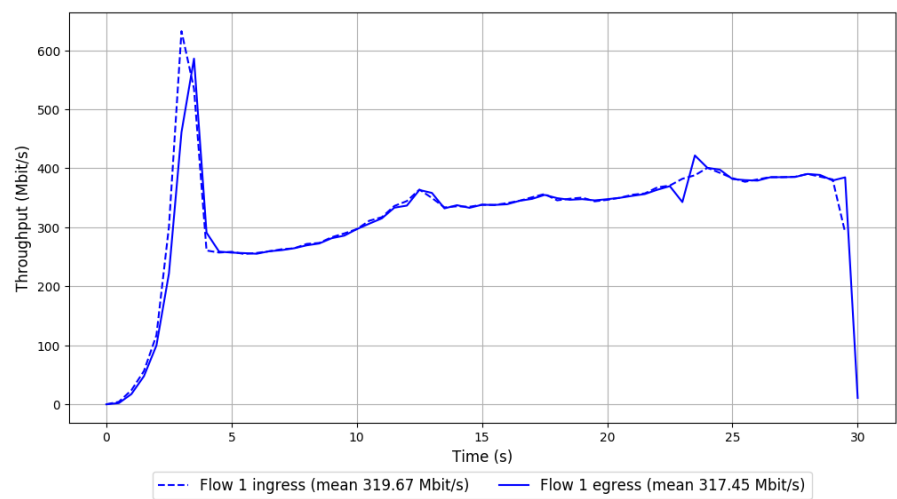


```
Run 2: Statistics of PCC-Allegro

Start at: 2018-04-17 21:24:30
End at: 2018-04-17 21:25:00

# Below is generated by plot.py at 2018-04-18 00:39:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 317.45 Mbit/s
95th percentile per-packet one-way delay: 162.605 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 317.45 Mbit/s
95th percentile per-packet one-way delay: 162.605 ms
Loss rate: 0.70%
```

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-04-17 21:38:39

End at: 2018-04-17 21:39:09

# Below is generated by plot.py at 2018-04-18 00:40:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 467.15 Mbit/s

95th percentile per-packet one-way delay: 244.496 ms

Loss rate: 2.00%

-- Flow 1:

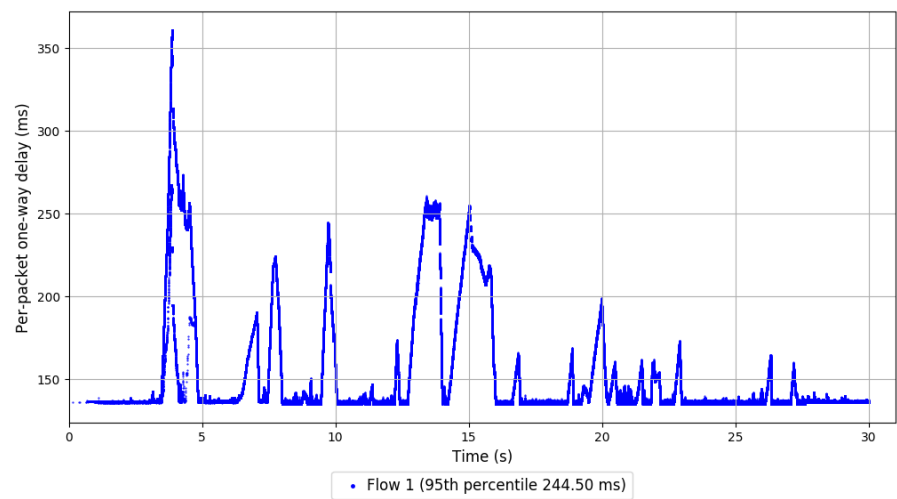
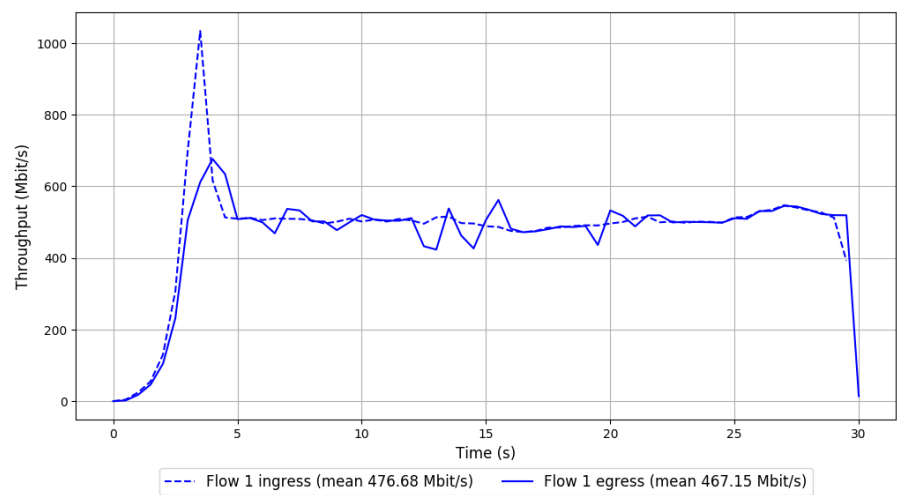
Average throughput: 467.15 Mbit/s

95th percentile per-packet one-way delay: 244.496 ms

Loss rate: 2.00%



Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-04-17 21:52:58

End at: 2018-04-17 21:53:28

# Below is generated by plot.py at 2018-04-18 00:40:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 471.04 Mbit/s

95th percentile per-packet one-way delay: 257.079 ms

Loss rate: 2.70%

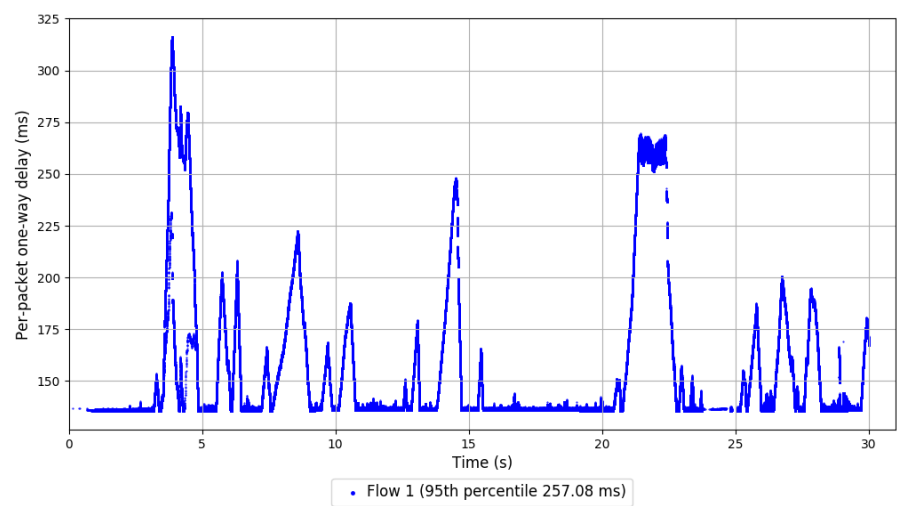
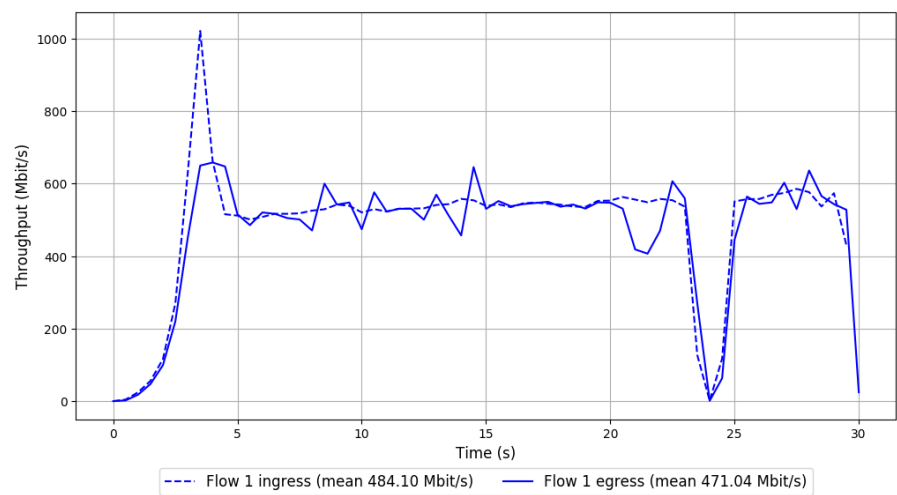
-- Flow 1:

Average throughput: 471.04 Mbit/s

95th percentile per-packet one-way delay: 257.079 ms

Loss rate: 2.70%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-04-17 22:07:11

End at: 2018-04-17 22:07:41

# Below is generated by plot.py at 2018-04-18 00:40:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 487.83 Mbit/s

95th percentile per-packet one-way delay: 187.954 ms

Loss rate: 0.69%

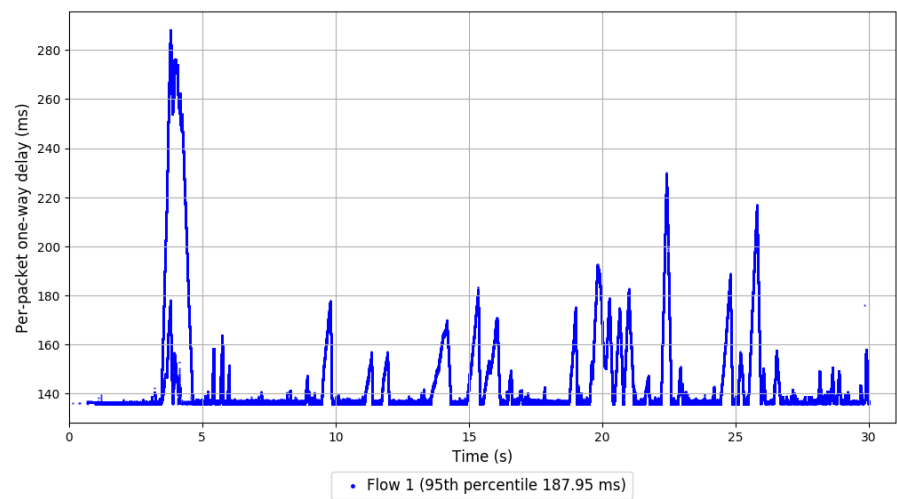
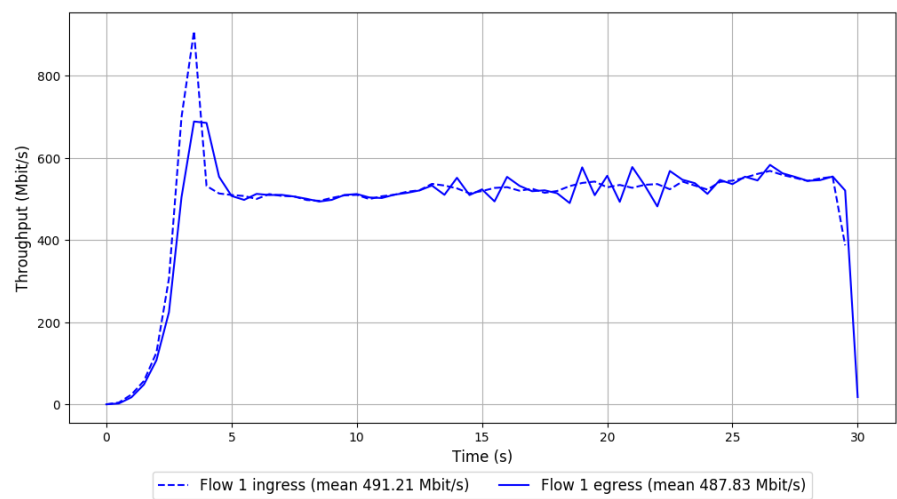
-- Flow 1:

Average throughput: 487.83 Mbit/s

95th percentile per-packet one-way delay: 187.954 ms

Loss rate: 0.69%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-04-17 22:21:31

End at: 2018-04-17 22:22:01

# Below is generated by plot.py at 2018-04-18 00:40:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 424.27 Mbit/s

95th percentile per-packet one-way delay: 226.209 ms

Loss rate: 1.72%

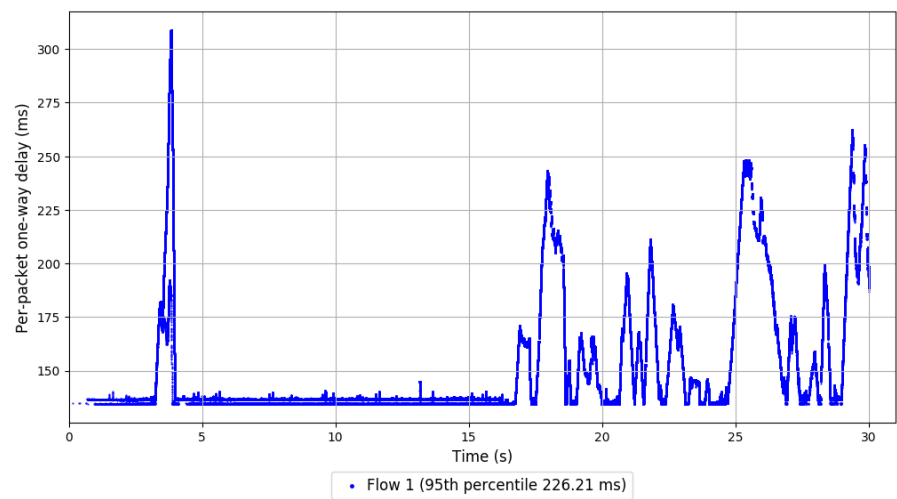
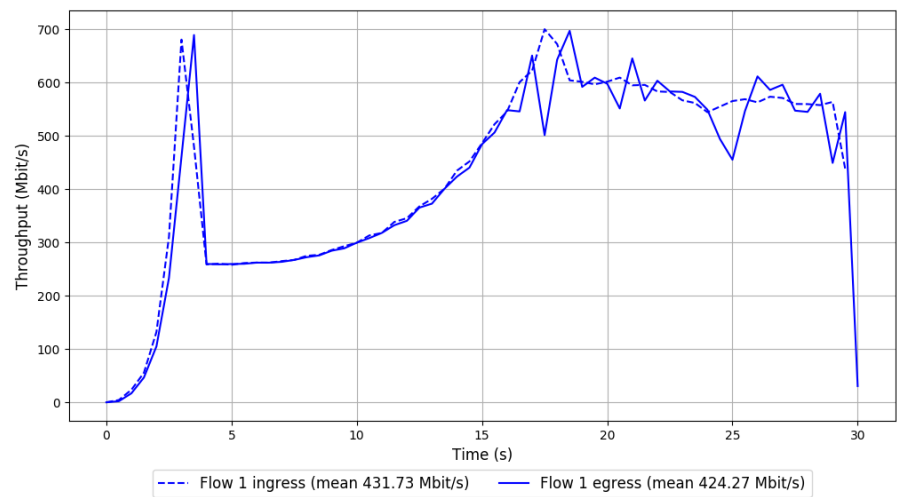
-- Flow 1:

Average throughput: 424.27 Mbit/s

95th percentile per-packet one-way delay: 226.209 ms

Loss rate: 1.72%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-04-17 22:35:33

End at: 2018-04-17 22:36:03

# Below is generated by plot.py at 2018-04-18 00:40:42

# Datalink statistics

-- Total of 1 flow:

Average throughput: 481.55 Mbit/s

95th percentile per-packet one-way delay: 204.787 ms

Loss rate: 1.24%

-- Flow 1:

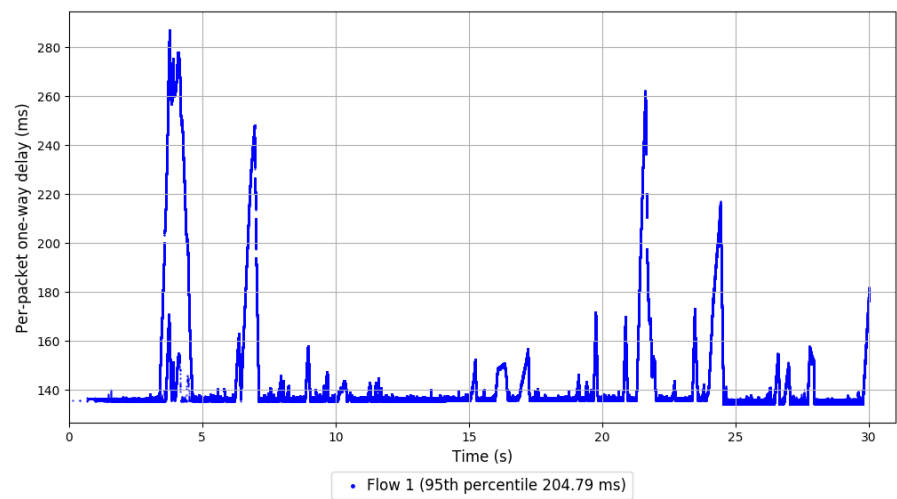
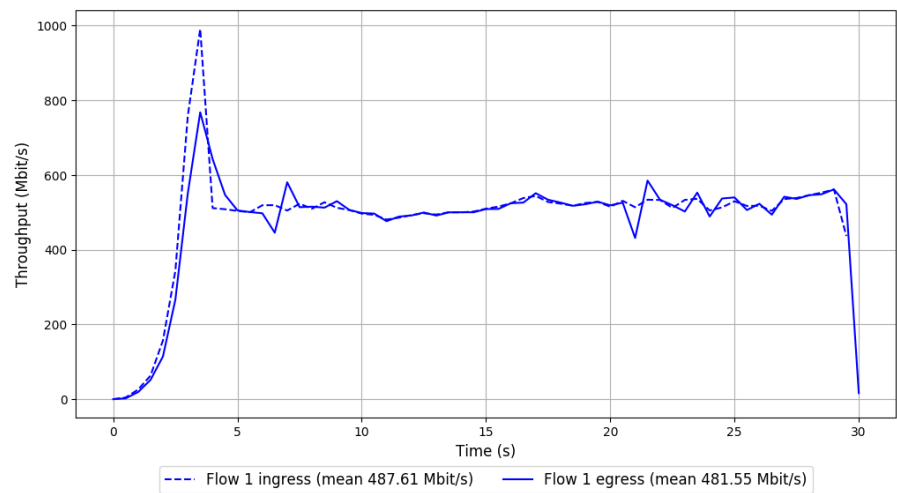
Average throughput: 481.55 Mbit/s

95th percentile per-packet one-way delay: 204.787 ms

Loss rate: 1.24%



Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-04-17 22:49:38

End at: 2018-04-17 22:50:08

# Below is generated by plot.py at 2018-04-18 00:42:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 536.45 Mbit/s

95th percentile per-packet one-way delay: 207.692 ms

Loss rate: 1.07%

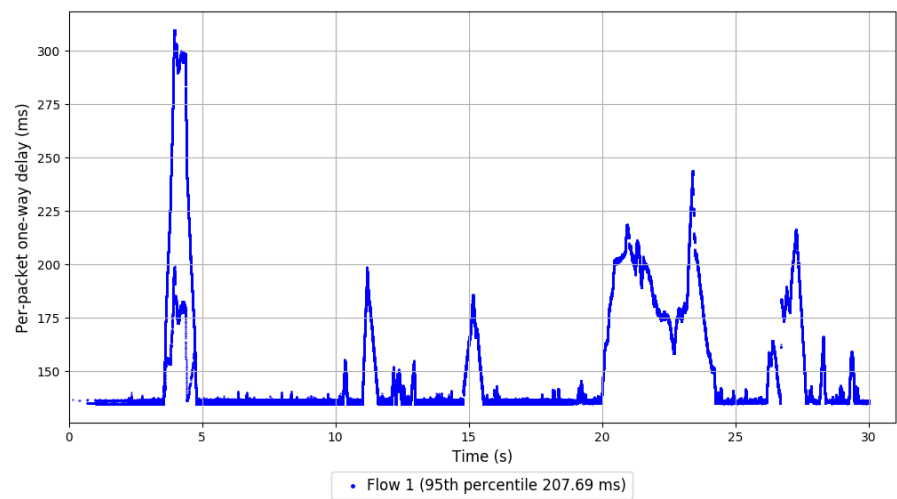
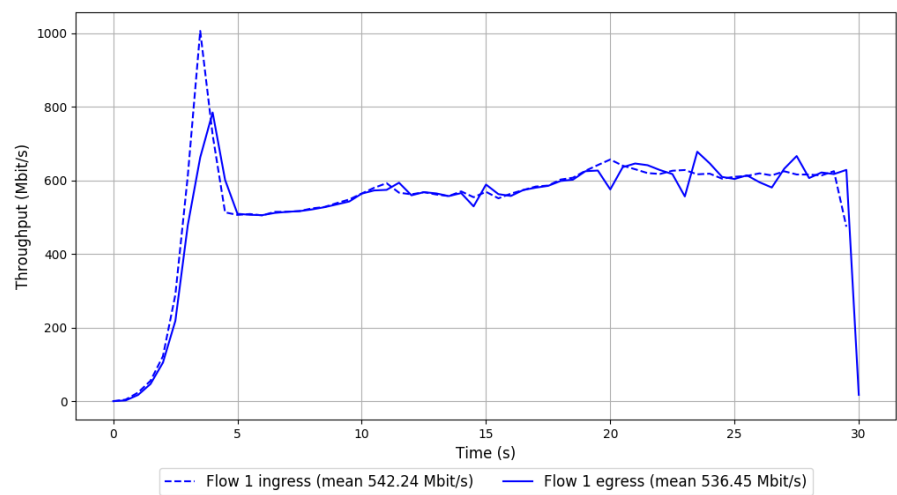
-- Flow 1:

Average throughput: 536.45 Mbit/s

95th percentile per-packet one-way delay: 207.692 ms

Loss rate: 1.07%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-04-17 23:03:58

End at: 2018-04-17 23:04:28

# Below is generated by plot.py at 2018-04-18 00:43:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 351.04 Mbit/s

95th percentile per-packet one-way delay: 231.749 ms

Loss rate: 1.11%

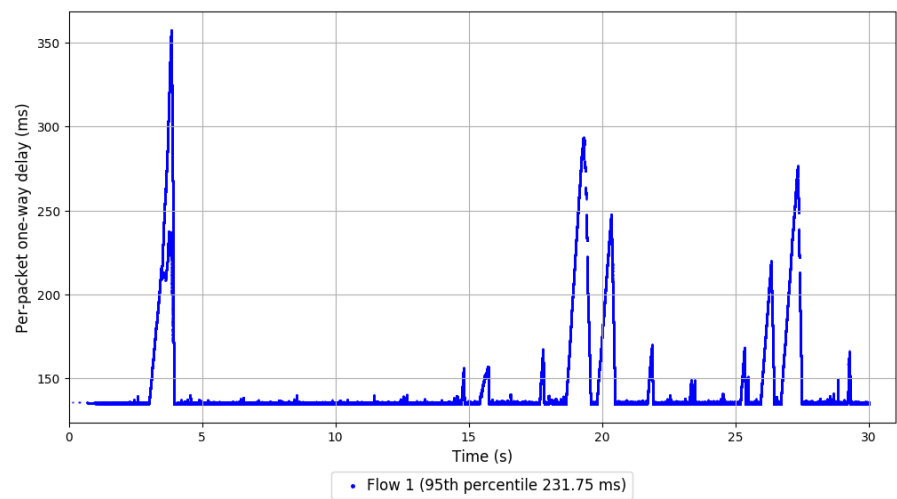
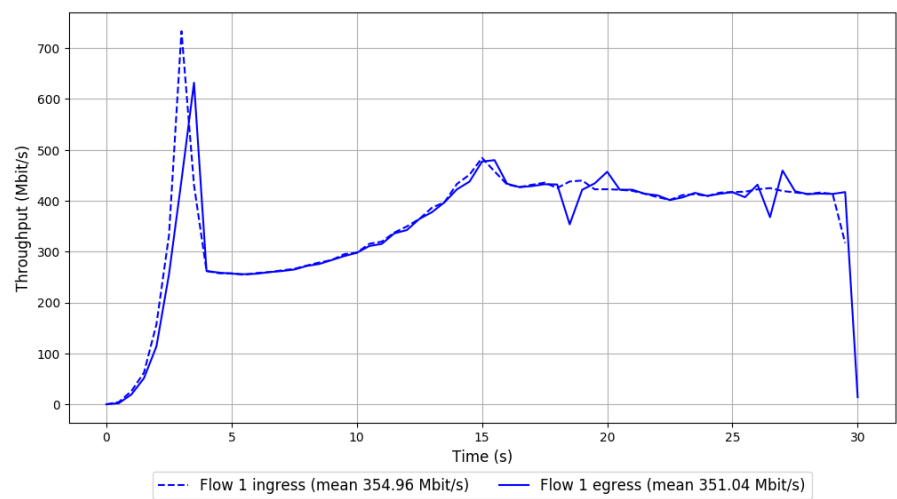
-- Flow 1:

Average throughput: 351.04 Mbit/s

95th percentile per-packet one-way delay: 231.749 ms

Loss rate: 1.11%

Run 9: Report of PCC-Allegro — Data Link

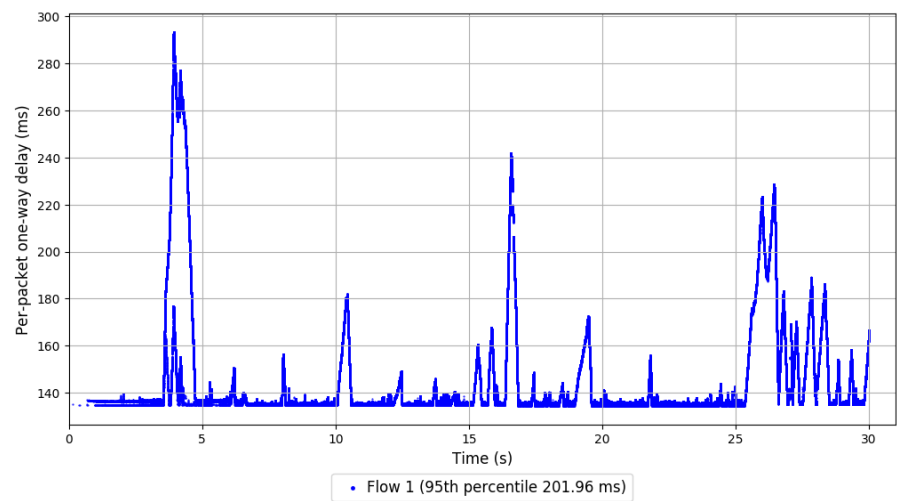
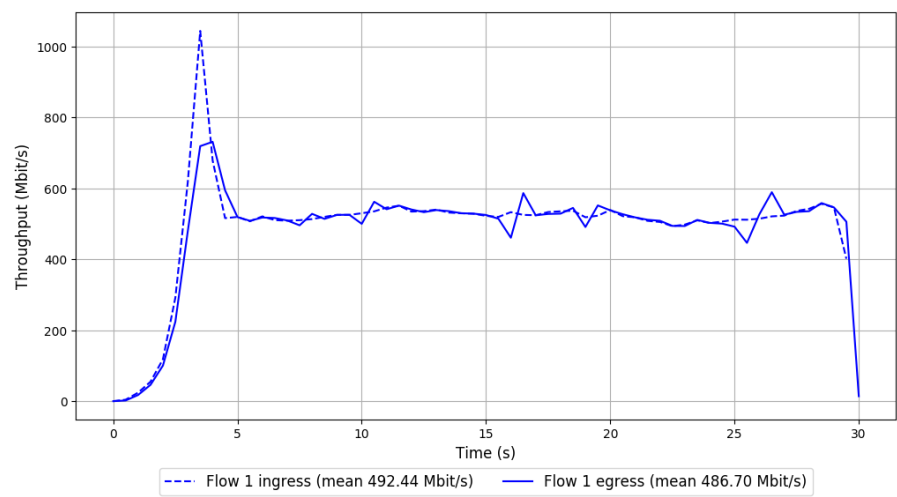


```
Run 10: Statistics of PCC-Allegro

Start at: 2018-04-17 23:18:11
End at: 2018-04-17 23:18:41

# Below is generated by plot.py at 2018-04-18 00:47:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 486.70 Mbit/s
95th percentile per-packet one-way delay: 201.960 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 486.70 Mbit/s
95th percentile per-packet one-way delay: 201.960 ms
Loss rate: 1.16%
```

Run 10: Report of PCC-Allegro — Data Link



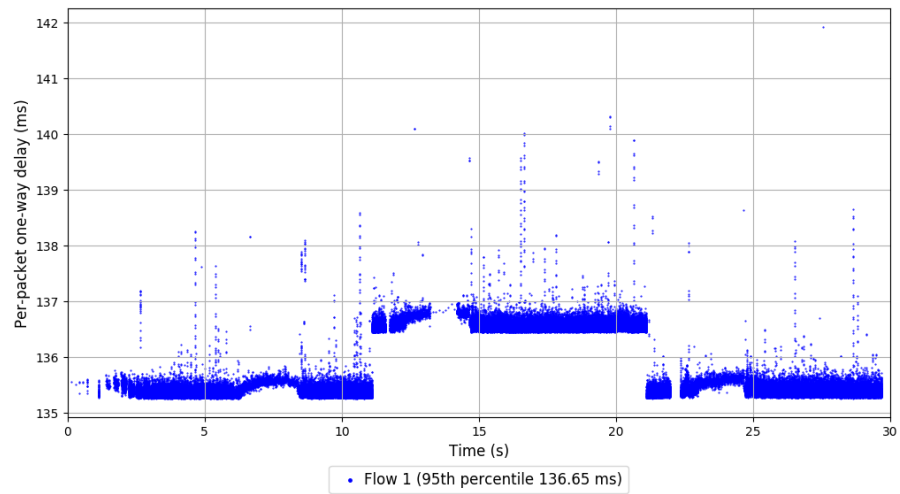
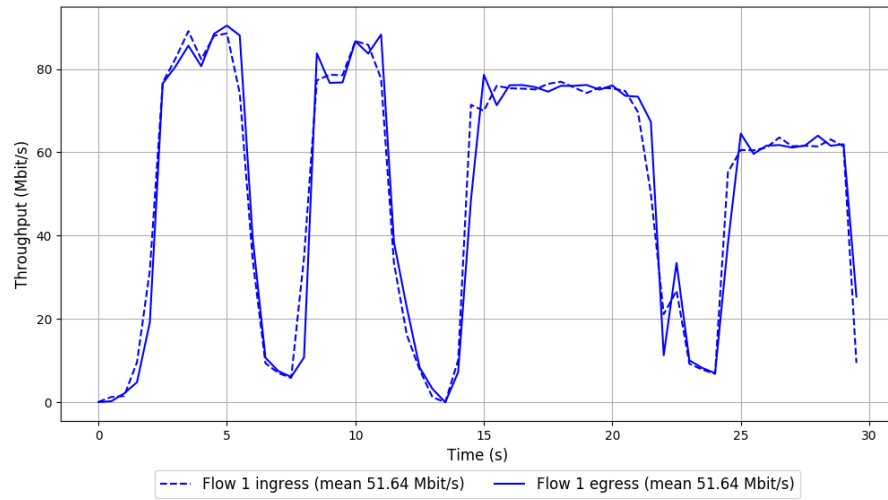
```
Run 1: Statistics of QUIC Cubic

Start at: 2018-04-17 21:15:36
End at: 2018-04-17 21:16:06

# Below is generated by plot.py at 2018-04-18 00:47:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.64 Mbit/s
95th percentile per-packet one-way delay: 136.650 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.64 Mbit/s
95th percentile per-packet one-way delay: 136.650 ms
Loss rate: 0.00%
```



# Run 1: Report of QUIC Cubic — Data Link

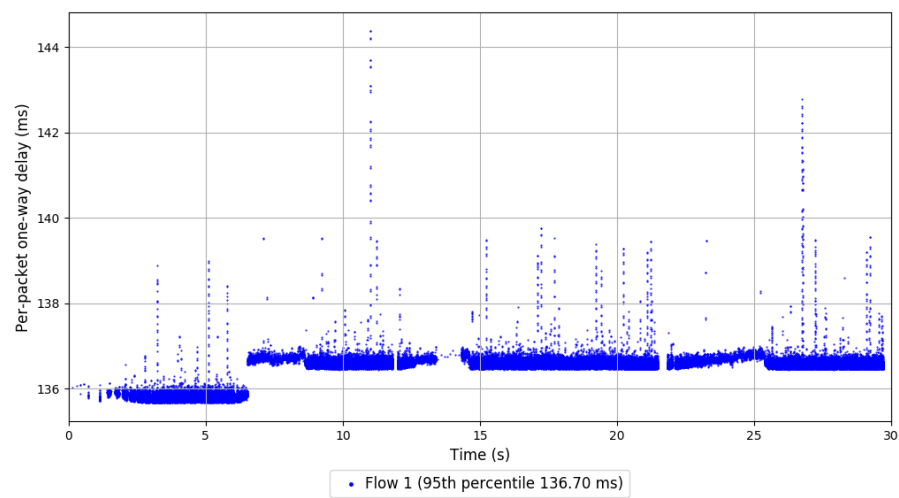
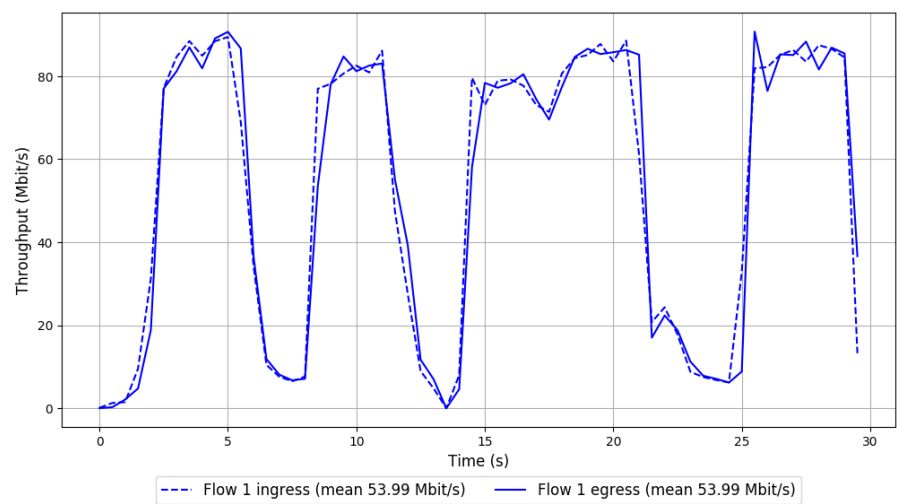


```
Run 2: Statistics of QUIC Cubic

Start at: 2018-04-17 21:29:29
End at: 2018-04-17 21:29:59

# Below is generated by plot.py at 2018-04-18 00:47:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.99 Mbit/s
95th percentile per-packet one-way delay: 136.700 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.99 Mbit/s
95th percentile per-packet one-way delay: 136.700 ms
Loss rate: 0.00%
```

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-04-17 21:43:46

End at: 2018-04-17 21:44:16

# Below is generated by plot.py at 2018-04-18 00:47:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 50.25 Mbit/s

95th percentile per-packet one-way delay: 136.361 ms

Loss rate: 0.00%

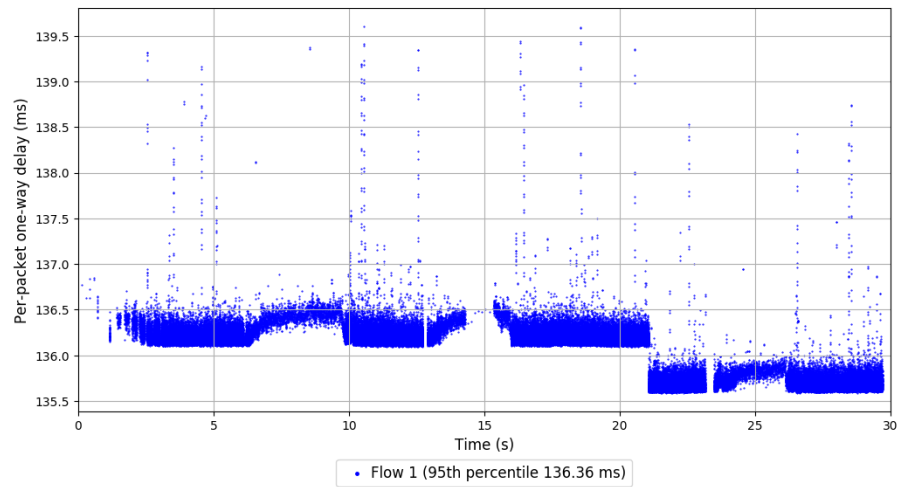
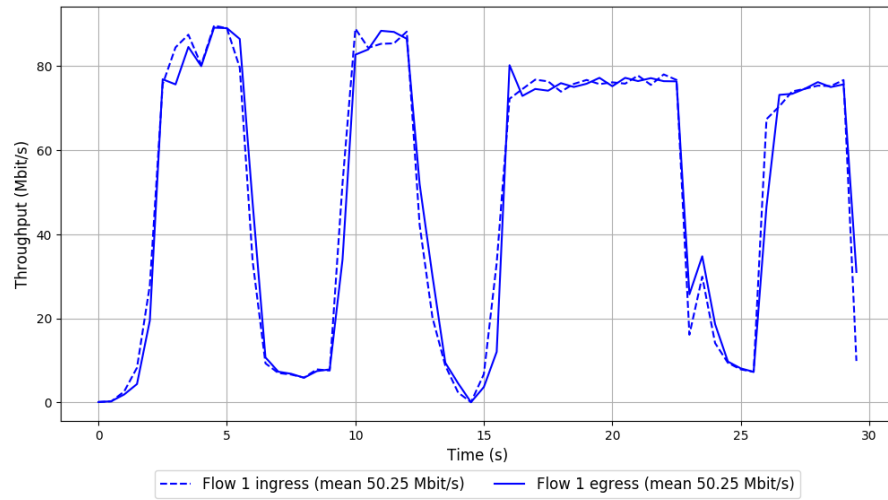
-- Flow 1:

Average throughput: 50.25 Mbit/s

95th percentile per-packet one-way delay: 136.361 ms

Loss rate: 0.00%

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



Run 4: Statistics of QUIC Cubic

Start at: 2018-04-17 21:58:05

End at: 2018-04-17 21:58:35

# Below is generated by plot.py at 2018-04-18 00:47:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 44.63 Mbit/s

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

Loss rate: 0.00%

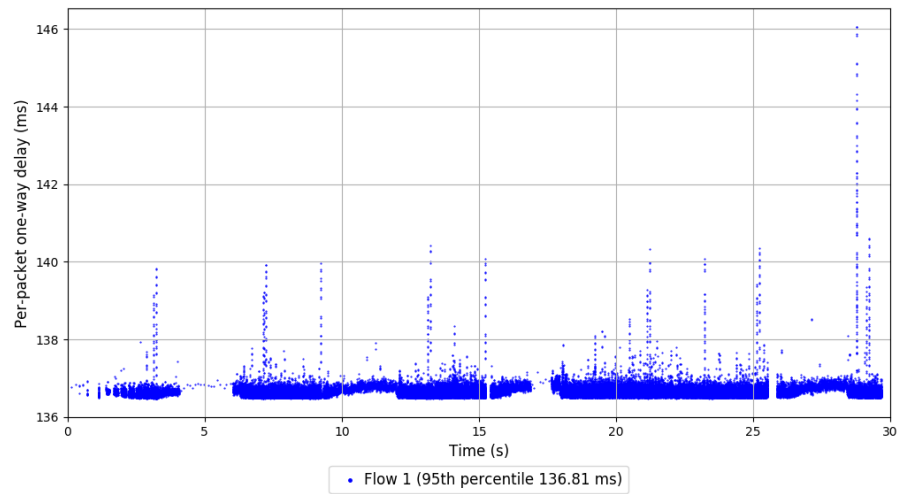
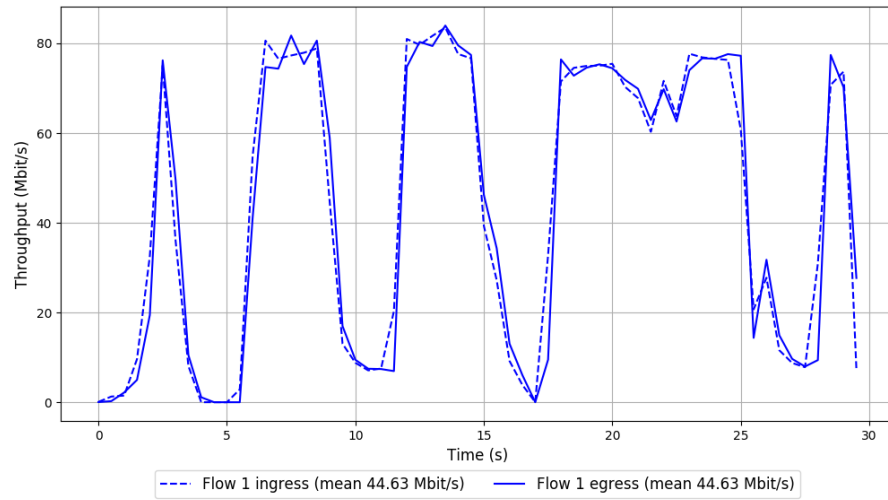
-- Flow 1:

Average throughput: 44.63 Mbit/s

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

Loss rate: 0.00%

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



Run 5: Statistics of QUIC Cubic

Start at: 2018-04-17 22:12:23

End at: 2018-04-17 22:12:53

# Below is generated by plot.py at 2018-04-18 00:47:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 54.45 Mbit/s

95th percentile per-packet one-way delay: 136.093 ms

Loss rate: 0.00%

-- Flow 1:

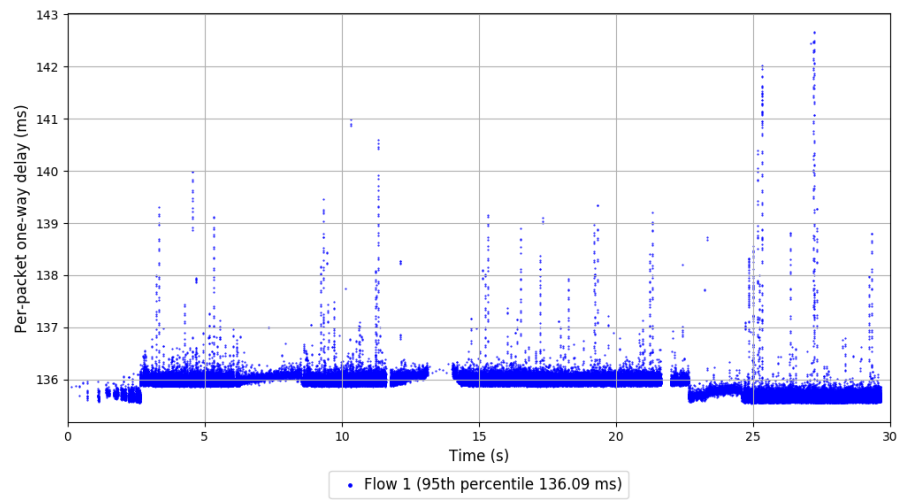
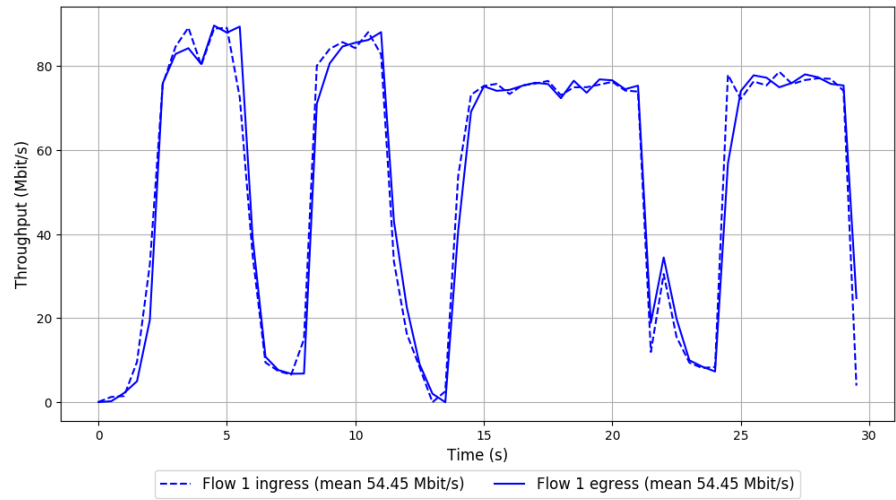
Average throughput: 54.45 Mbit/s

95th percentile per-packet one-way delay: 136.093 ms

Loss rate: 0.00%



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



Run 6: Statistics of QUIC Cubic

Start at: 2018-04-17 22:26:38

End at: 2018-04-17 22:27:08

# Below is generated by plot.py at 2018-04-18 00:47:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 51.66 Mbit/s

95th percentile per-packet one-way delay: 136.913 ms

Loss rate: 0.00%

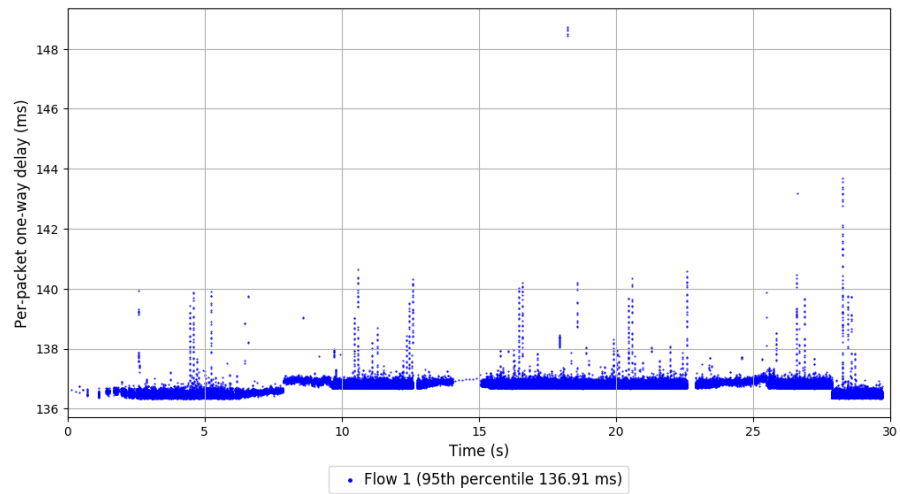
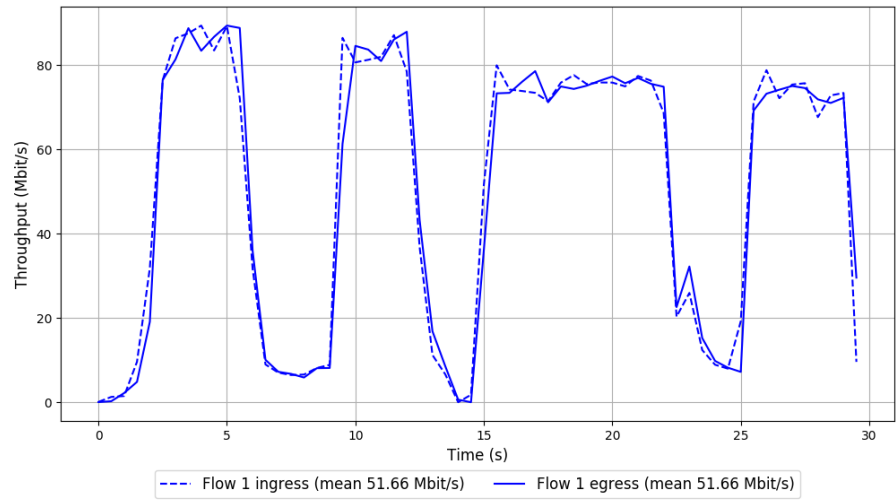
-- Flow 1:

Average throughput: 51.66 Mbit/s

95th percentile per-packet one-way delay: 136.913 ms

Loss rate: 0.00%

## Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-04-17 22:40:44

End at: 2018-04-17 22:41:14

# Below is generated by plot.py at 2018-04-18 00:47:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 45.75 Mbit/s

95th percentile per-packet one-way delay: 136.389 ms

Loss rate: 0.00%

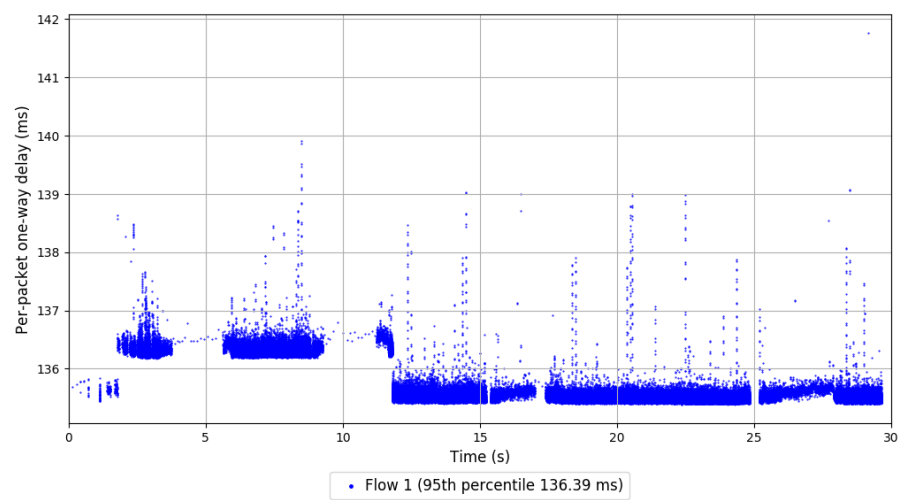
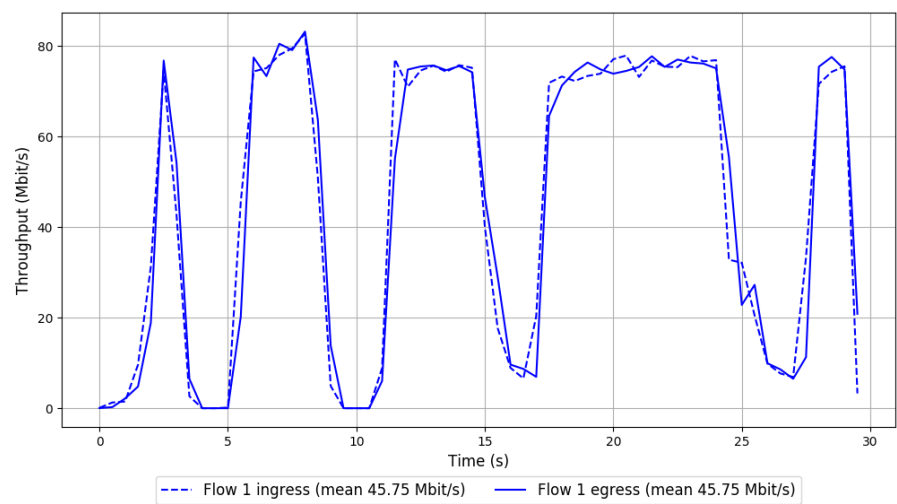
-- Flow 1:

Average throughput: 45.75 Mbit/s

95th percentile per-packet one-way delay: 136.389 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-04-17 22:54:46

End at: 2018-04-17 22:55:16

# Below is generated by plot.py at 2018-04-18 00:47:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 54.92 Mbit/s

95th percentile per-packet one-way delay: 136.355 ms

Loss rate: 0.00%

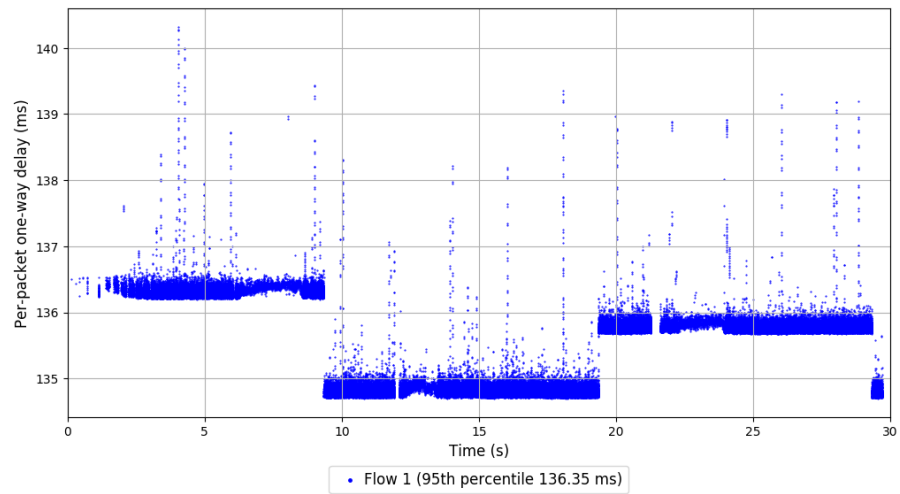
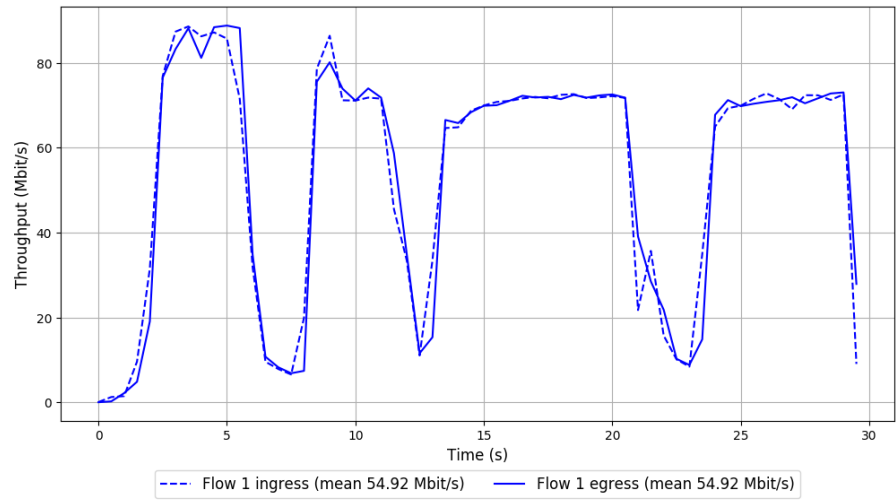
-- Flow 1:

Average throughput: 54.92 Mbit/s

95th percentile per-packet one-way delay: 136.355 ms

Loss rate: 0.00%

## Run 8: Report of QUIC Cubic — Data Link



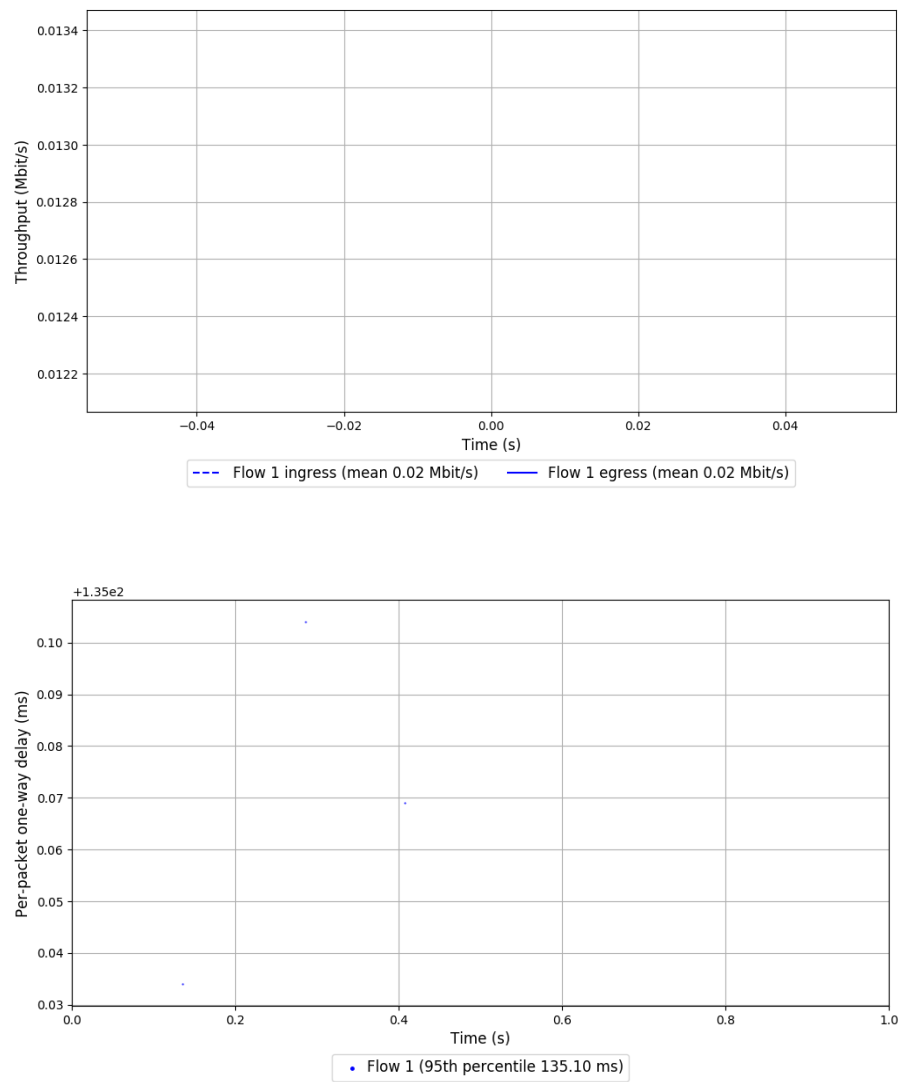
Run 9: Statistics of QUIC Cubic

Start at: 2018-04-17 23:09:03

End at: 2018-04-17 23:09:34



Run 9: Report of QUIC Cubic — Data Link

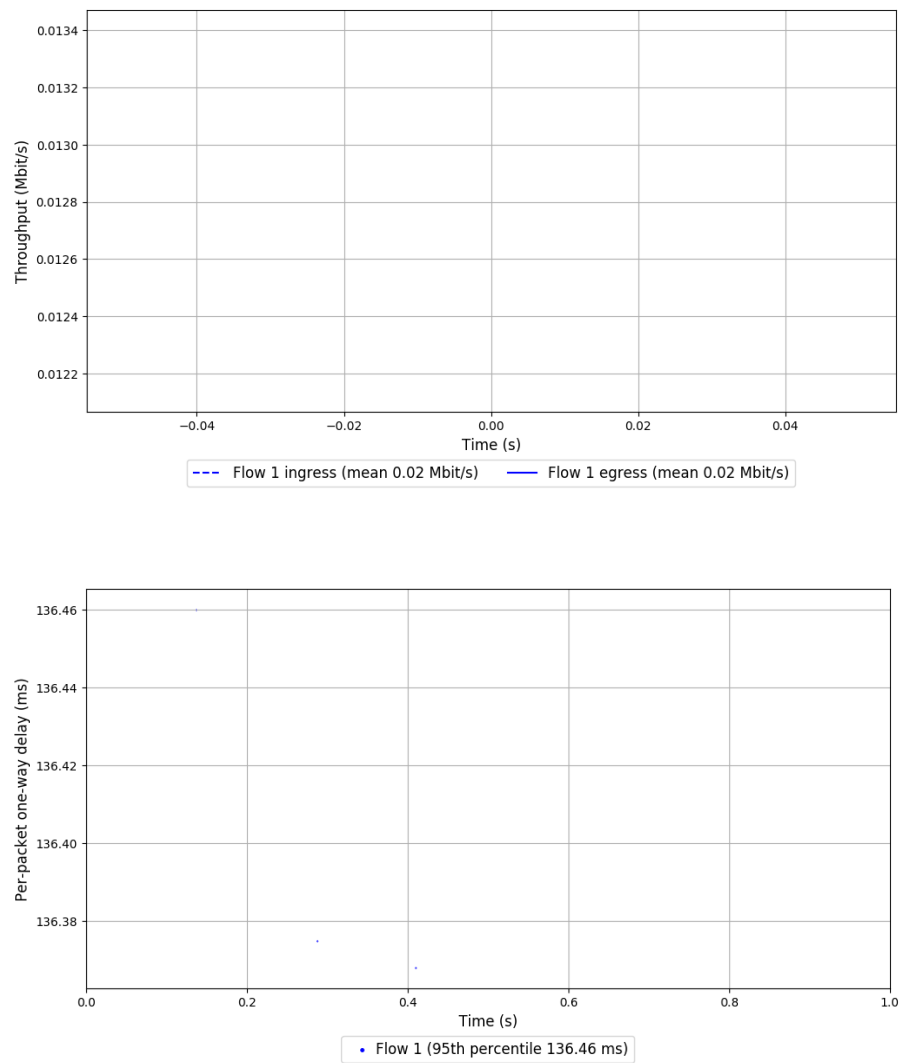


Run 10: Statistics of QUIC Cubic

Start at: 2018-04-17 23:23:19

End at: 2018-04-17 23:23:49

Run 10: Report of QUIC Cubic — Data Link

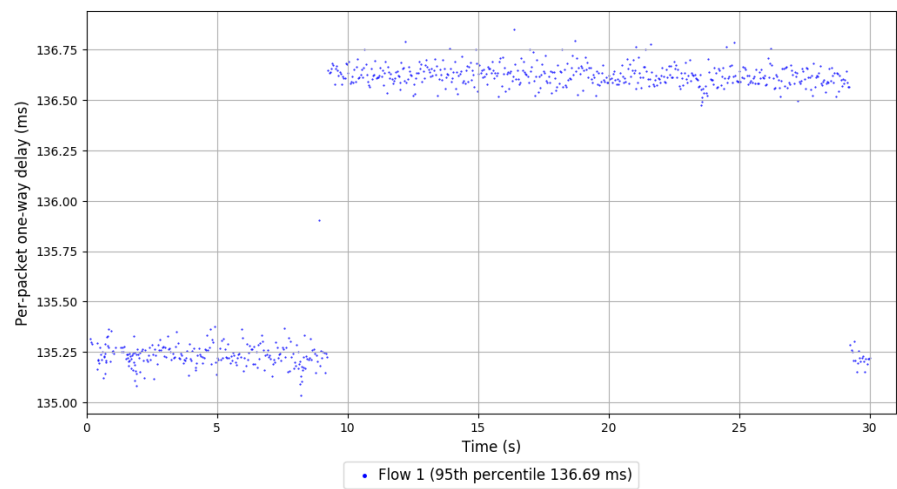
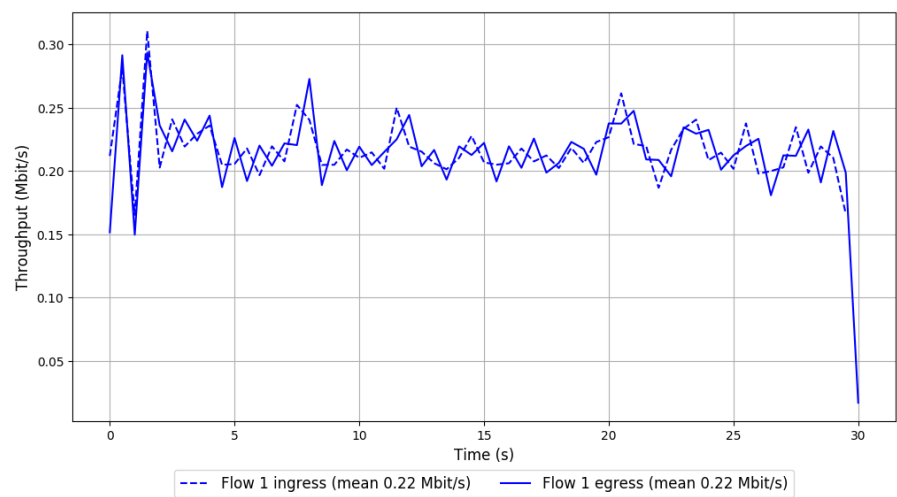


```
Run 1: Statistics of SCReAM

Start at: 2018-04-17 21:17:07
End at: 2018-04-17 21:17:37

# Below is generated by plot.py at 2018-04-18 00:47:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.690 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.690 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

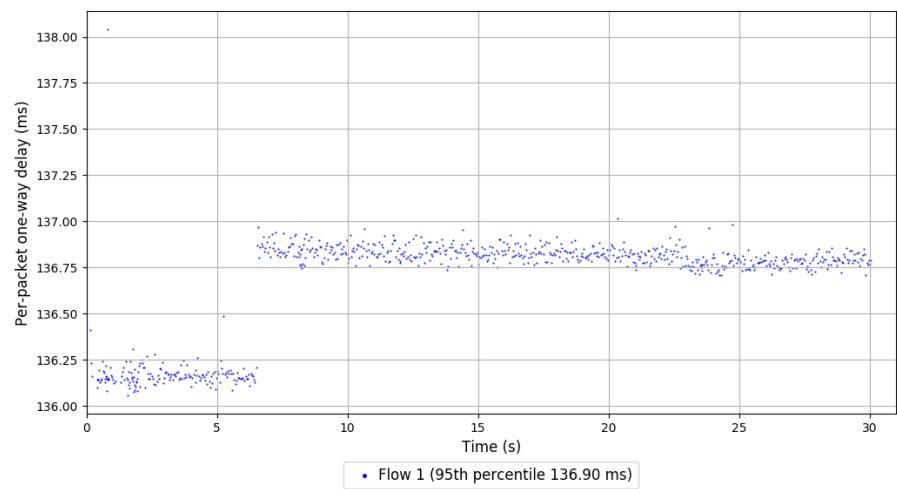
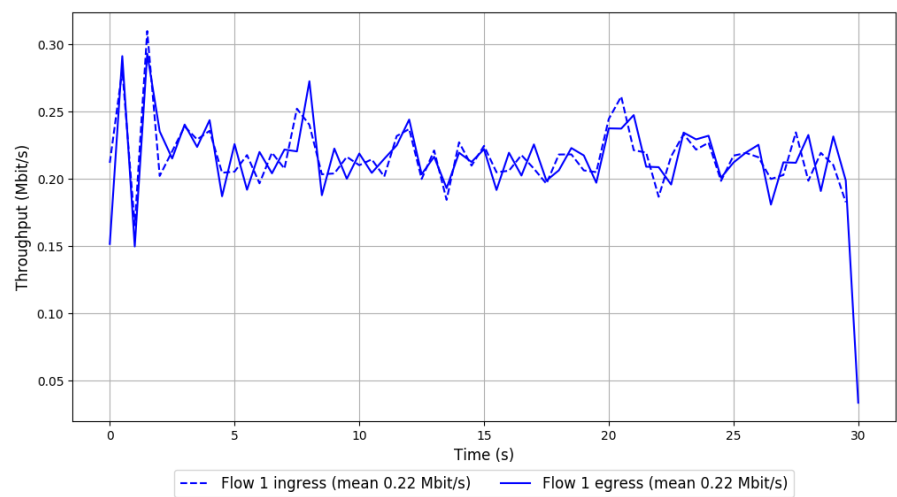


```
Run 2: Statistics of SCReAM

Start at: 2018-04-17 21:31:01
End at: 2018-04-17 21:31:31

# Below is generated by plot.py at 2018-04-18 00:47:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.896 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.896 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-04-17 21:45:18

End at: 2018-04-17 21:45:48

# Below is generated by plot.py at 2018-04-18 00:47:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.549 ms

Loss rate: 0.00%

-- Flow 1:

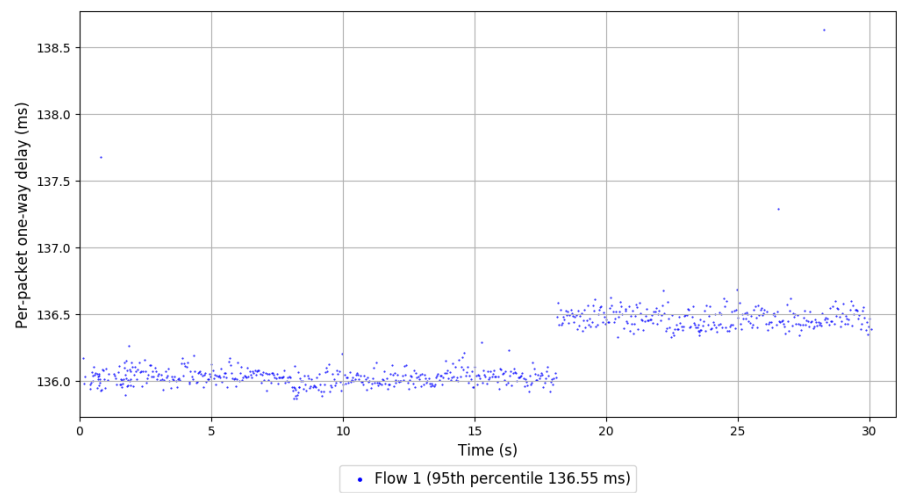
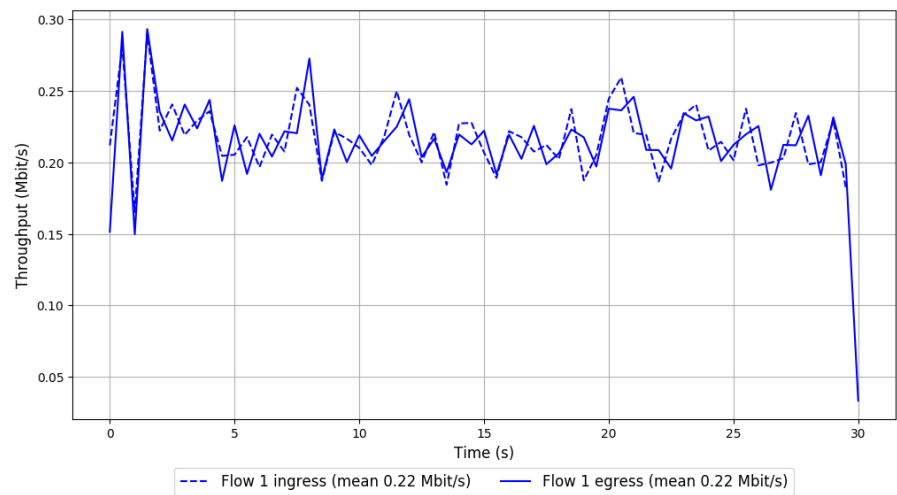
Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.549 ms

Loss rate: 0.00%



Run 3: Report of SReAM — Data Link

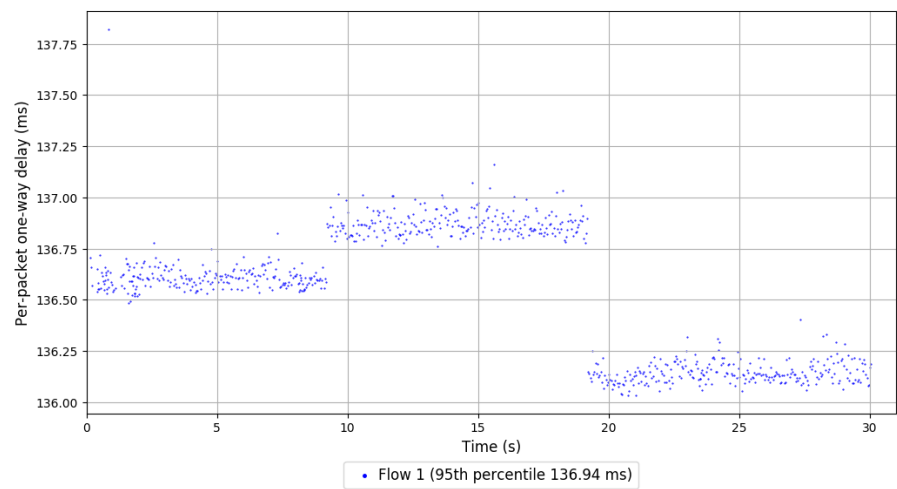
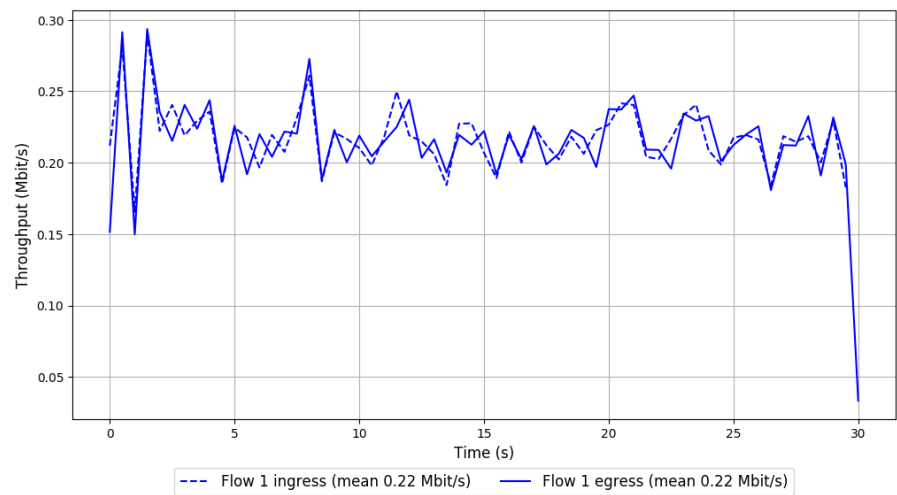


```
Run 4: Statistics of SCReAM

Start at: 2018-04-17 21:59:37
End at: 2018-04-17 22:00:07

# Below is generated by plot.py at 2018-04-18 00:47:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.937 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.937 ms
Loss rate: 0.00%
```

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-04-17 22:13:55

End at: 2018-04-17 22:14:25

# Below is generated by plot.py at 2018-04-18 00:47:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.521 ms

Loss rate: 0.00%

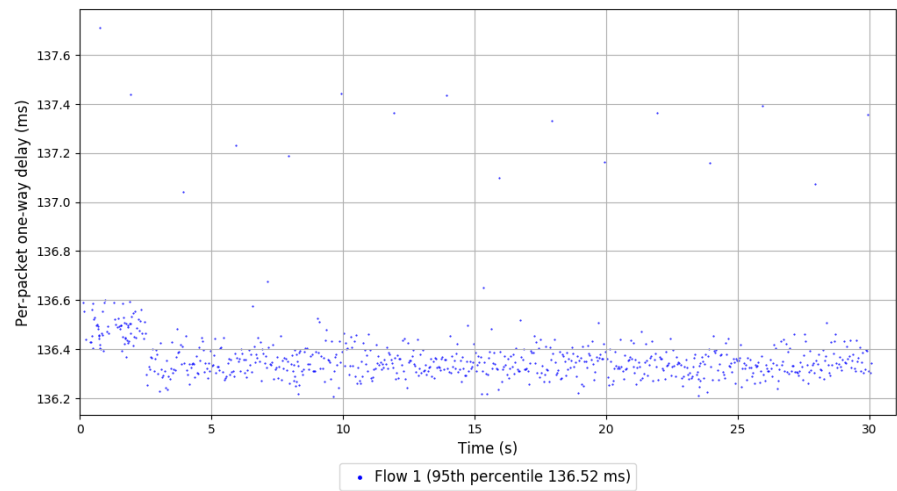
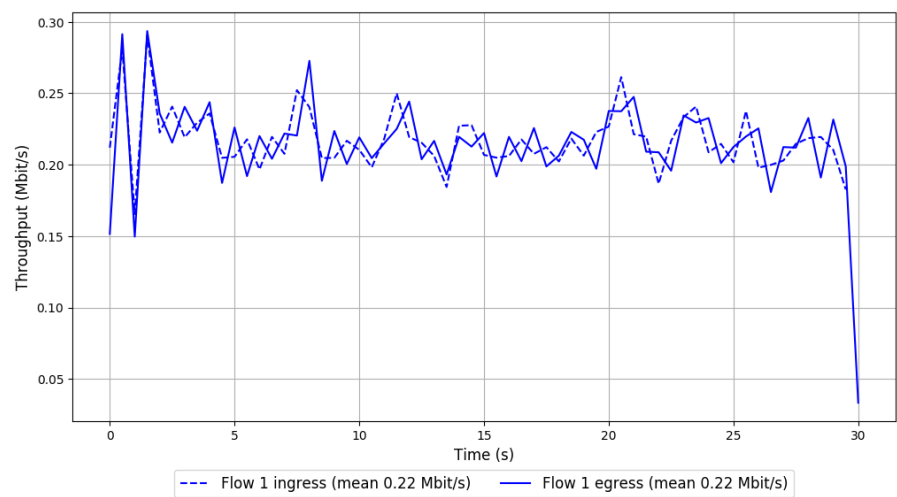
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.521 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-04-17 22:28:09

End at: 2018-04-17 22:28:39

# Below is generated by plot.py at 2018-04-18 00:47:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.703 ms

Loss rate: 0.00%

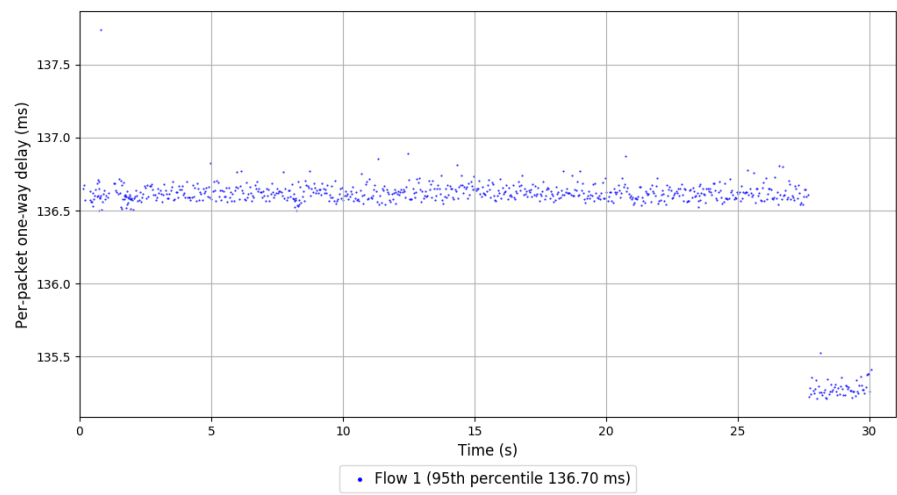
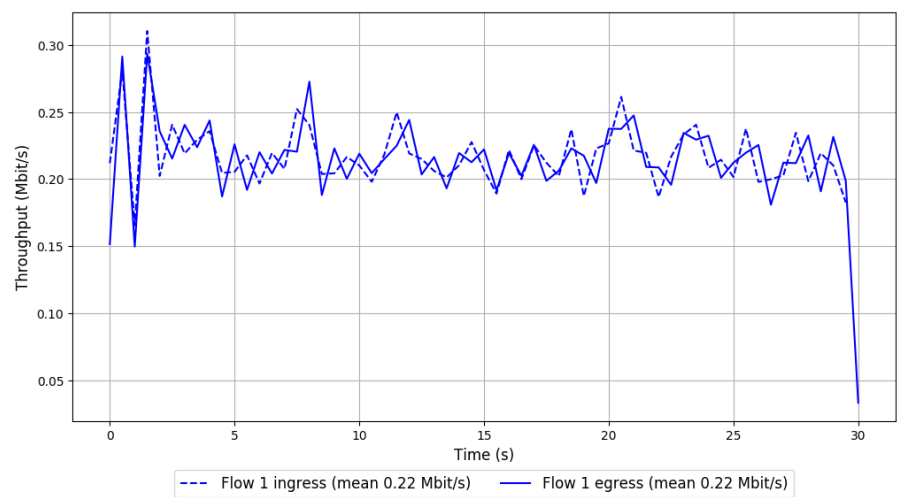
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.703 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-04-17 22:42:15

End at: 2018-04-17 22:42:45

# Below is generated by plot.py at 2018-04-18 00:47:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.895 ms

Loss rate: 0.00%

-- Flow 1:

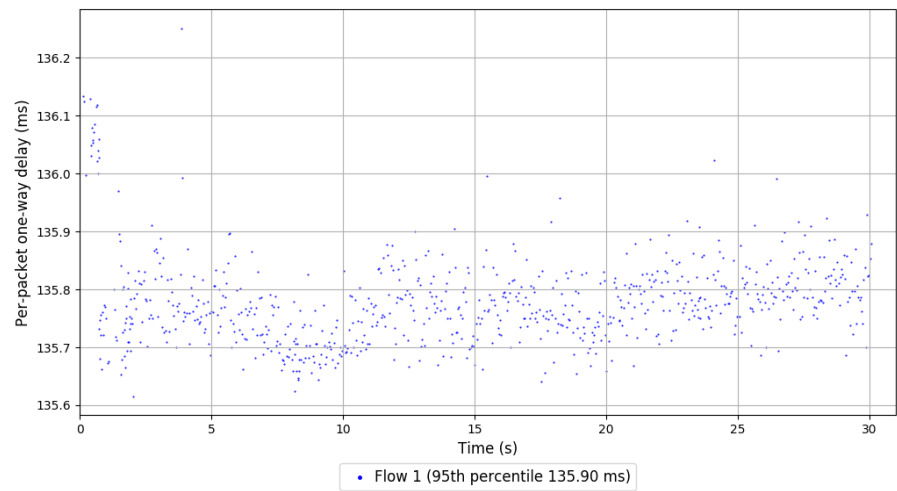
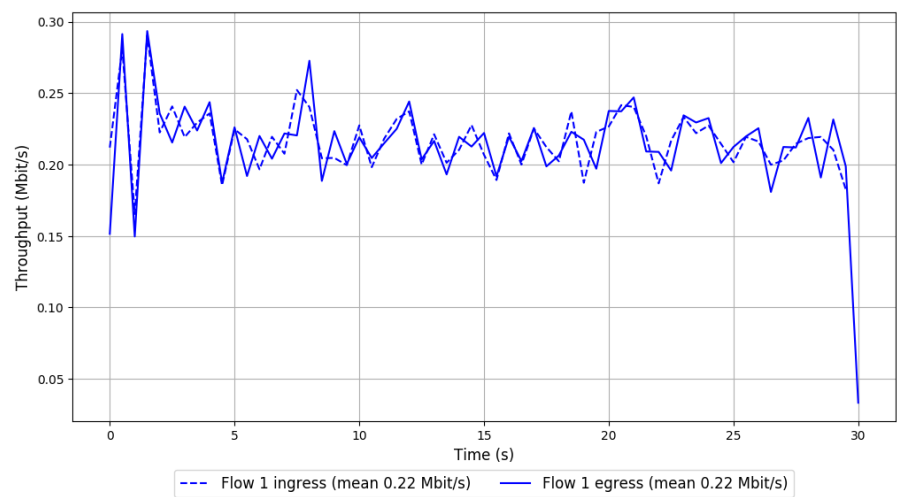
Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.895 ms

Loss rate: 0.00%



Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-04-17 22:56:20

End at: 2018-04-17 22:56:50

# Below is generated by plot.py at 2018-04-18 00:47:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.556 ms

Loss rate: 0.00%

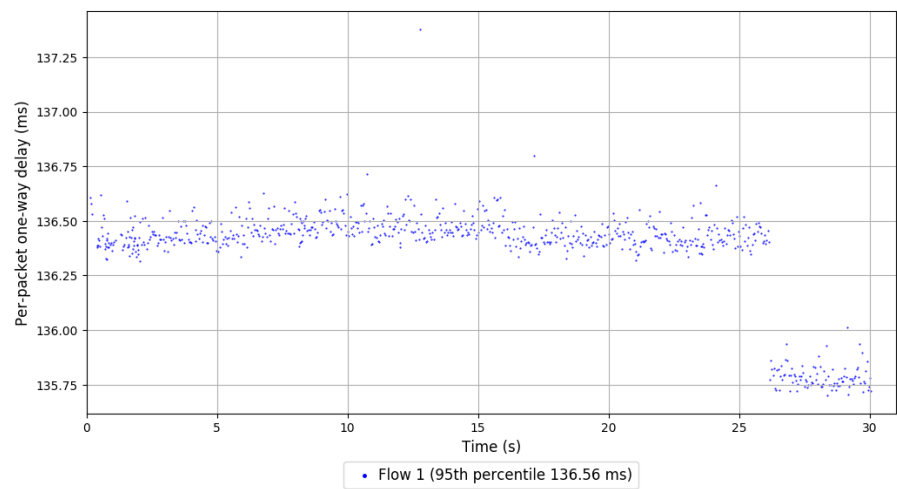
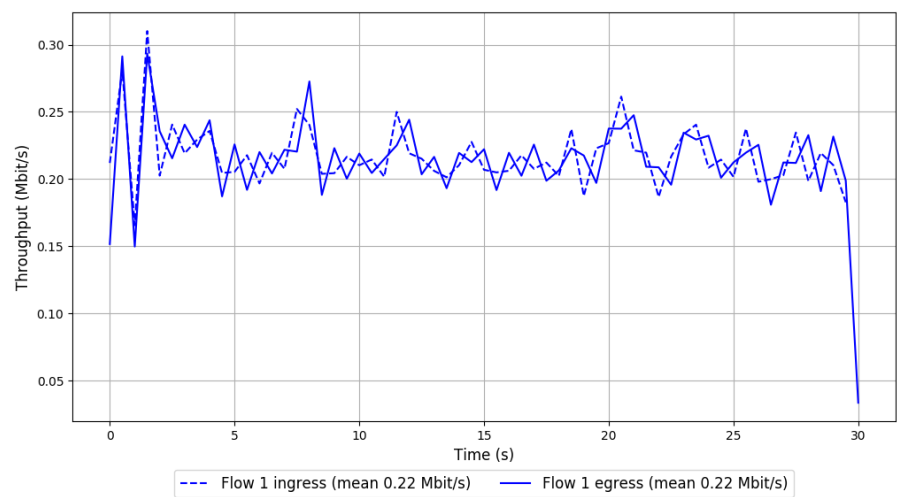
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.556 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-04-17 23:10:32

End at: 2018-04-17 23:11:02

# Below is generated by plot.py at 2018-04-18 00:47:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.485 ms

Loss rate: 0.00%

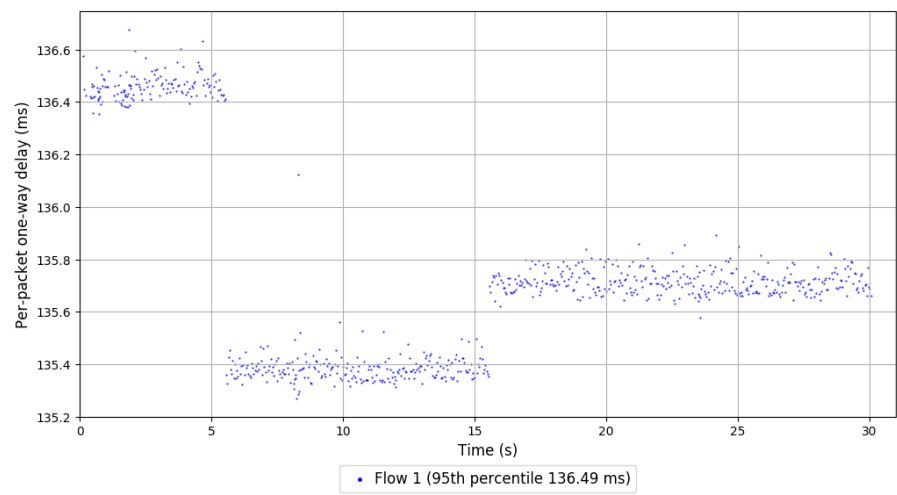
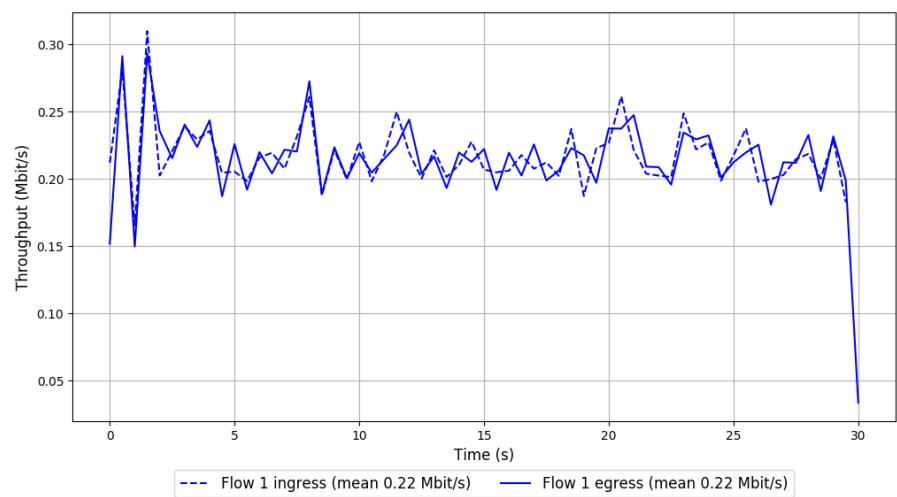
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.485 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

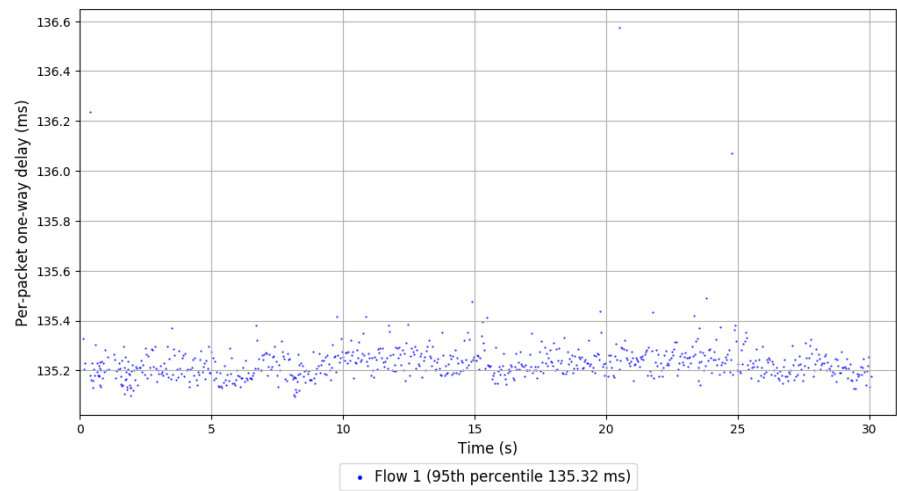
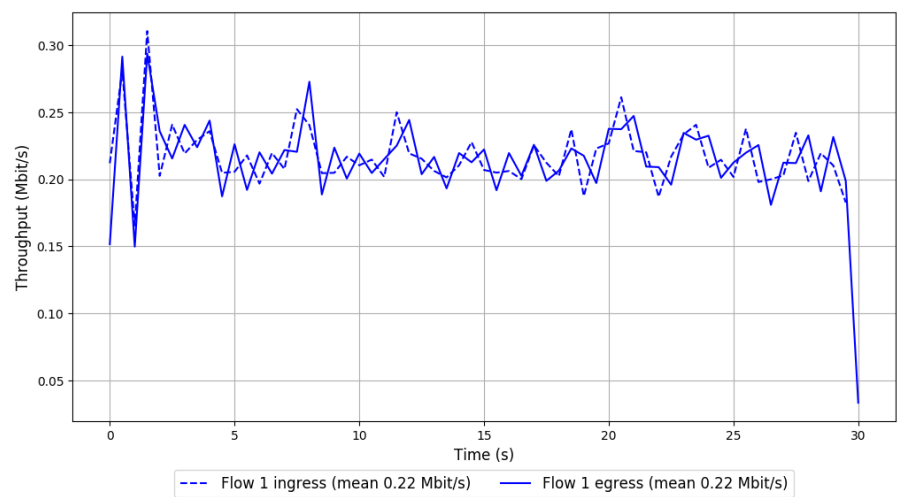


```
Run 10: Statistics of SReAM

Start at: 2018-04-17 23:24:47
End at: 2018-04-17 23:25:17

# Below is generated by plot.py at 2018-04-18 00:47:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.320 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.320 ms
Loss rate: 0.00%
```

Run 10: Report of SReAM — Data Link



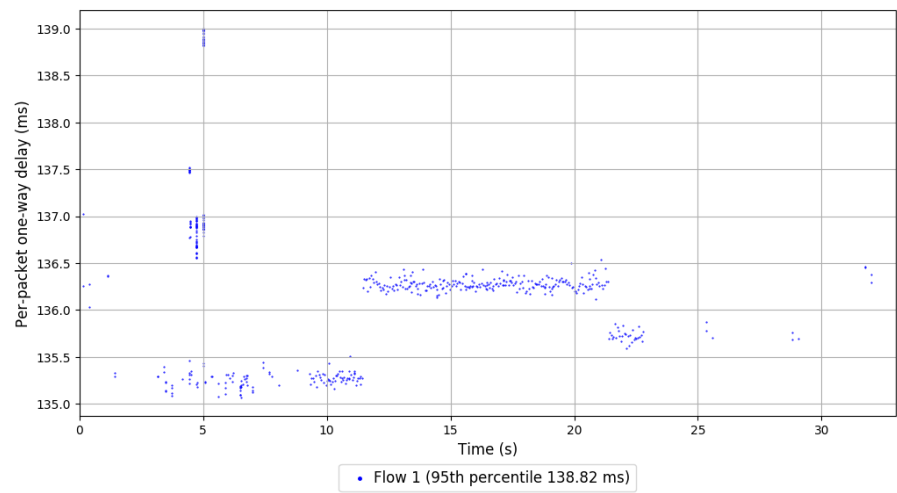
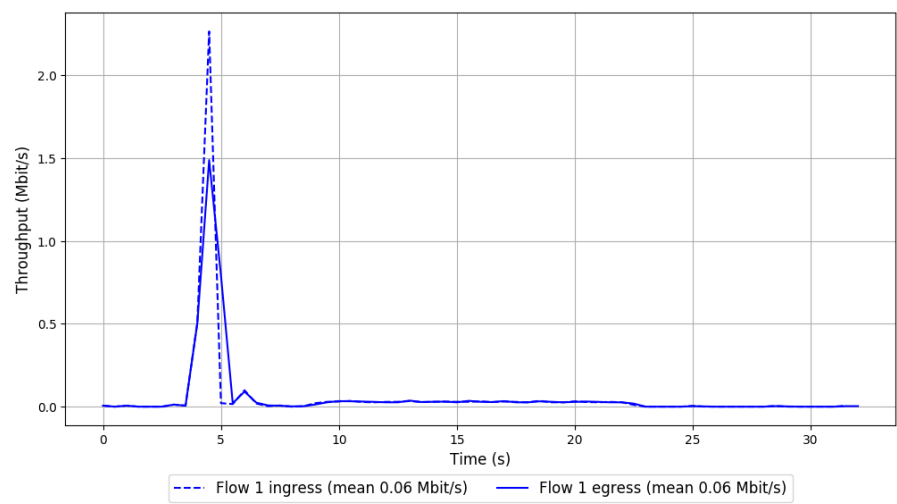
```
Run 1: Statistics of WebRTC media

Start at: 2018-04-17 21:19:17
End at: 2018-04-17 21:19:47

# Below is generated by plot.py at 2018-04-18 00:47:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 138.818 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 138.818 ms
Loss rate: 0.00%
```



Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-04-17 21:33:28

End at: 2018-04-17 21:33:58

# Below is generated by plot.py at 2018-04-18 00:47:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 136.857 ms

Loss rate: 0.00%

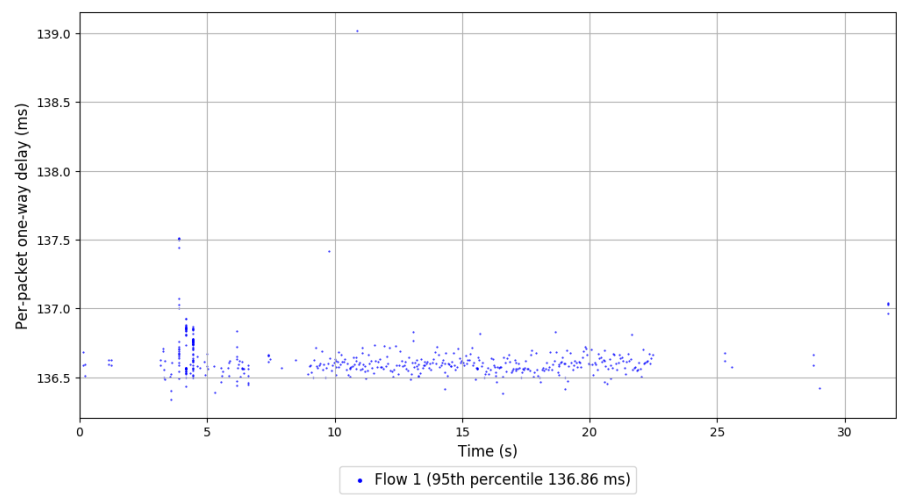
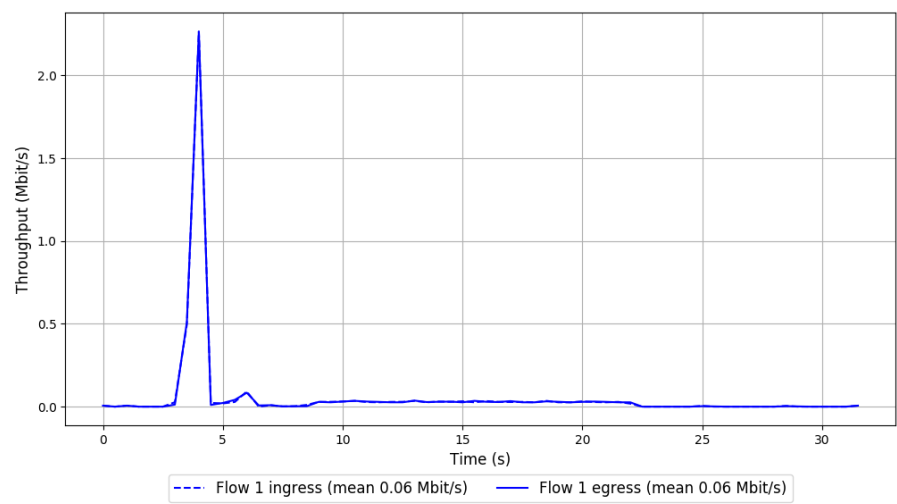
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 136.857 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-04-17 21:47:45

End at: 2018-04-17 21:48:15

# Below is generated by plot.py at 2018-04-18 00:47:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 136.204 ms

Loss rate: 0.00%

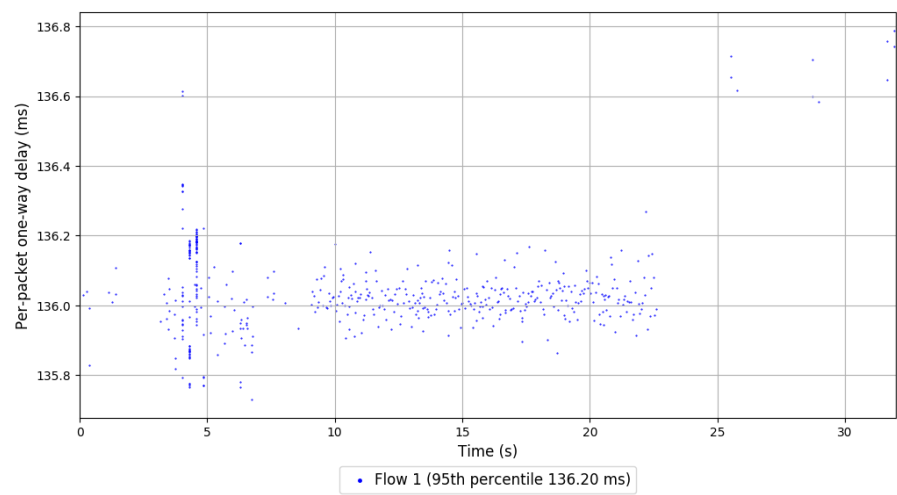
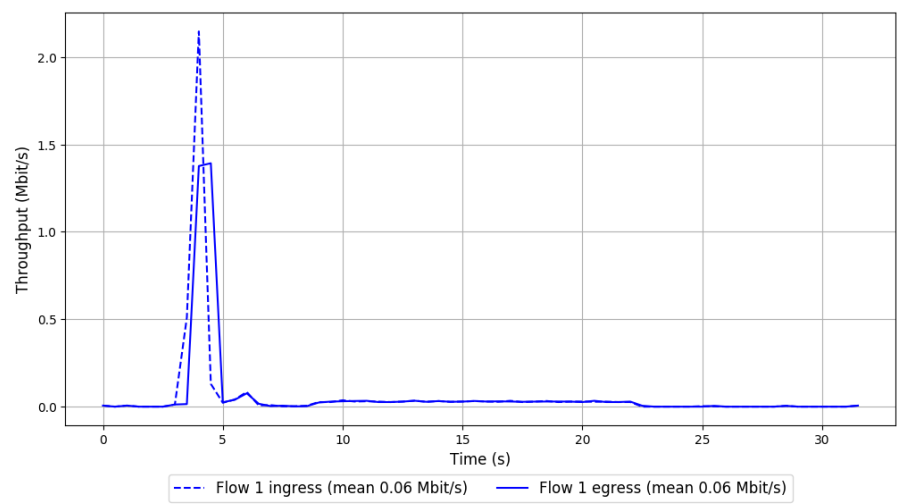
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 136.204 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-04-17 22:02:03

End at: 2018-04-17 22:02:33

# Below is generated by plot.py at 2018-04-18 00:47:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 136.734 ms

Loss rate: 0.00%

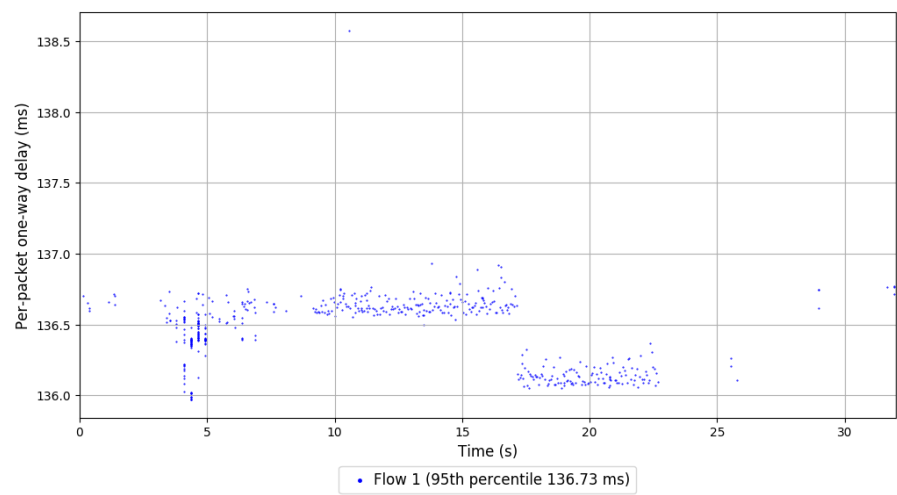
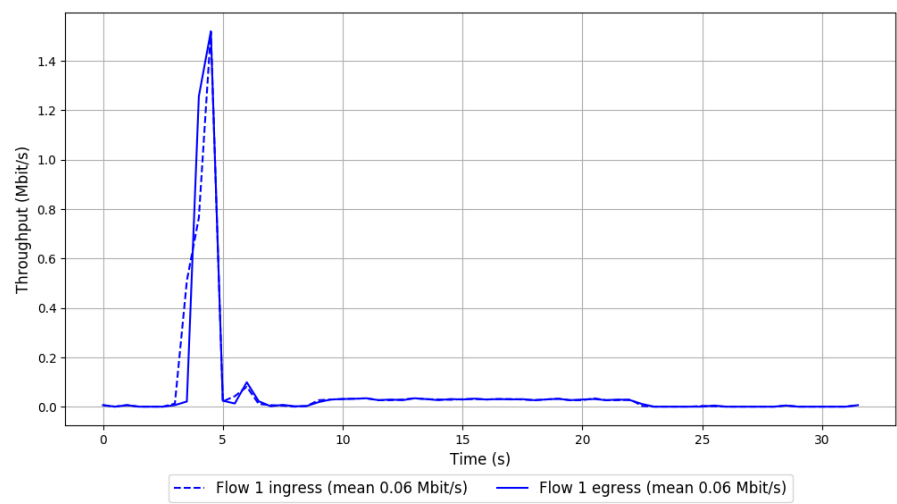
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 136.734 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-04-17 22:16:22

End at: 2018-04-17 22:16:52

# Below is generated by plot.py at 2018-04-18 00:47:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 136.711 ms

Loss rate: 0.00%

-- Flow 1:

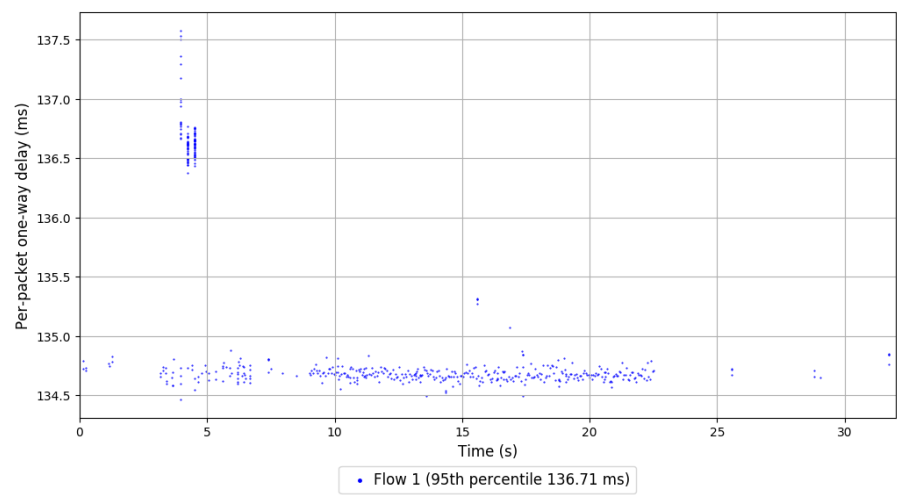
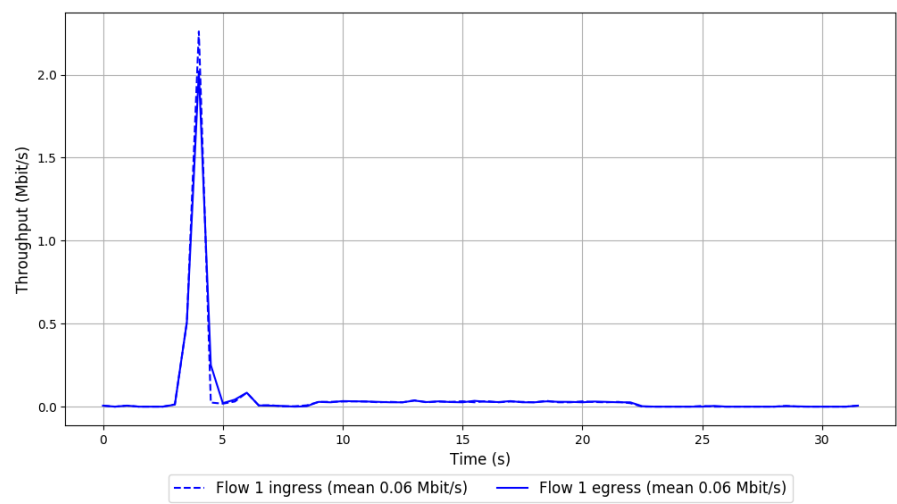
Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 136.711 ms

Loss rate: 0.00%



Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-04-17 22:30:23

End at: 2018-04-17 22:30:53

# Below is generated by plot.py at 2018-04-18 00:47:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 136.978 ms

Loss rate: 0.00%

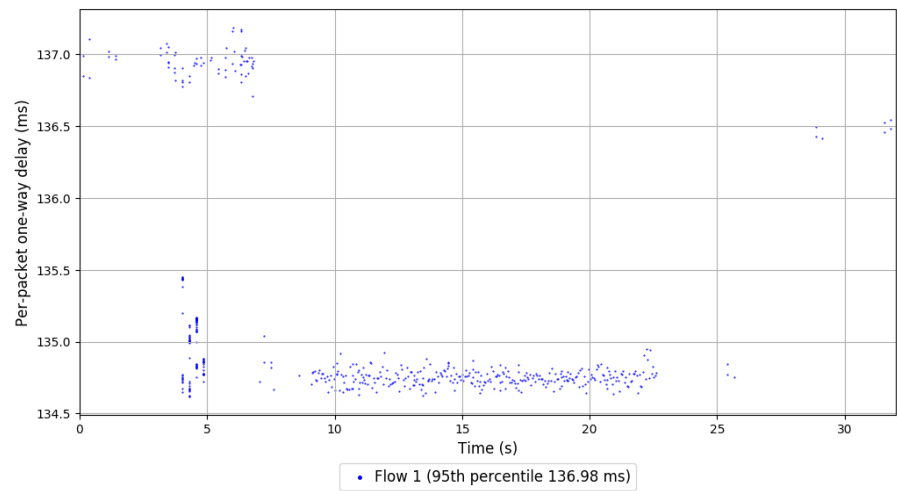
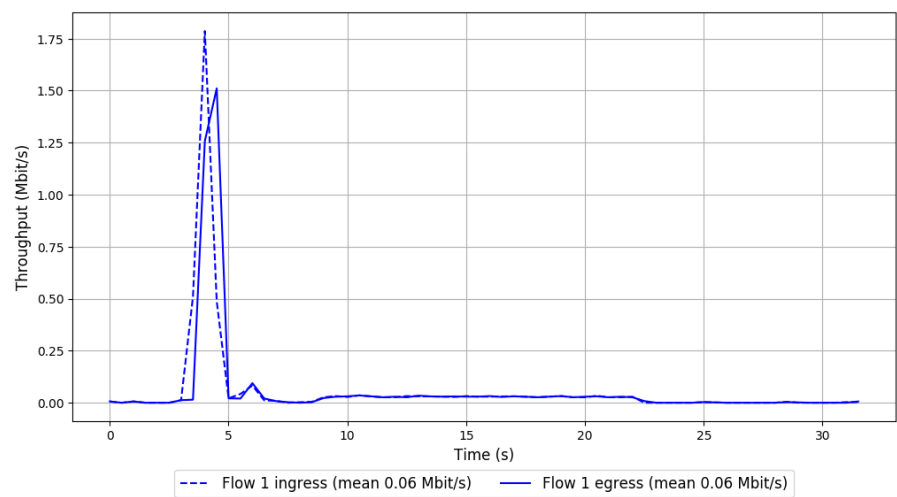
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 136.978 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-04-17 22:44:25

End at: 2018-04-17 22:44:55

# Below is generated by plot.py at 2018-04-18 00:47:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 136.161 ms

Loss rate: 0.00%

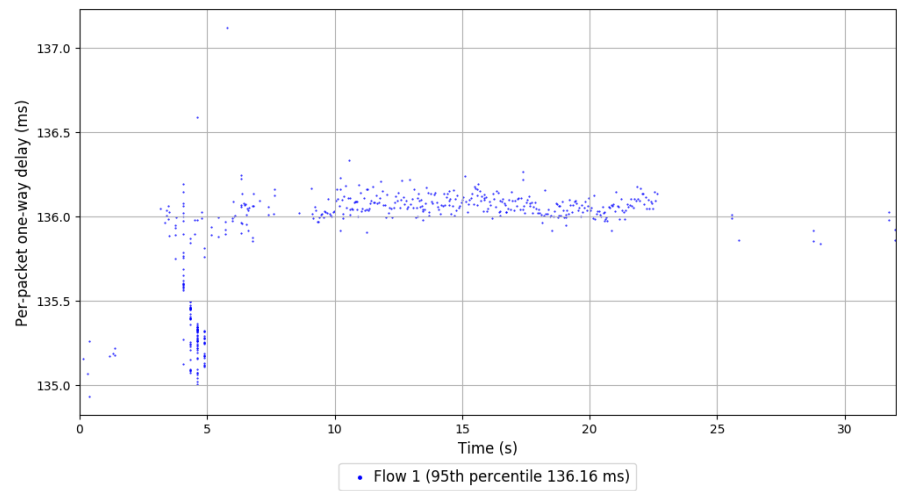
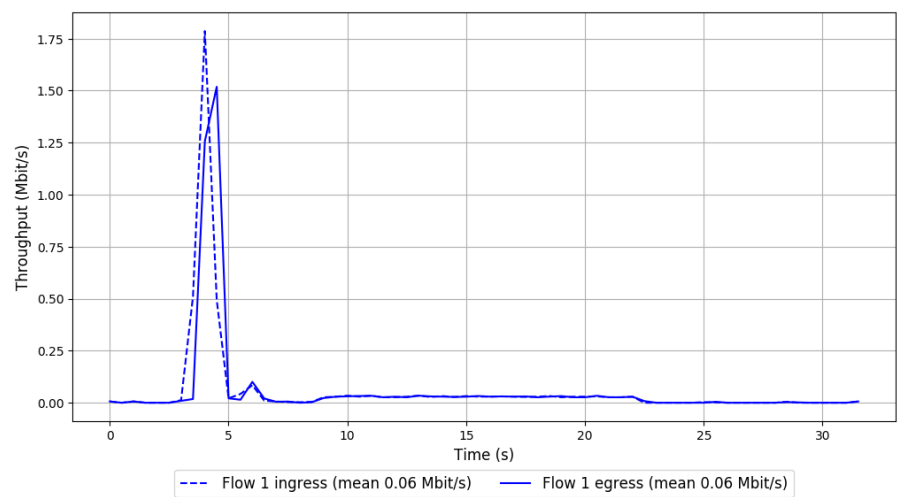
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 136.161 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-04-17 22:58:48

End at: 2018-04-17 22:59:18

# Below is generated by plot.py at 2018-04-18 00:47:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 136.699 ms

Loss rate: 0.00%

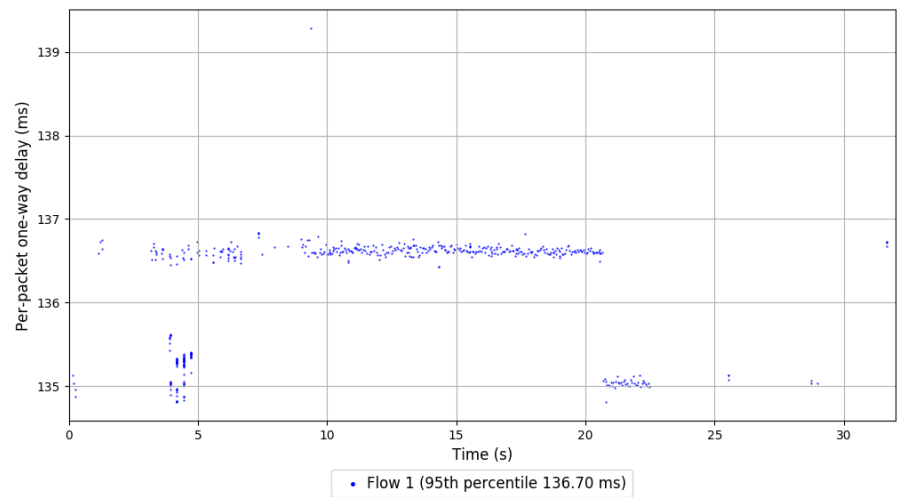
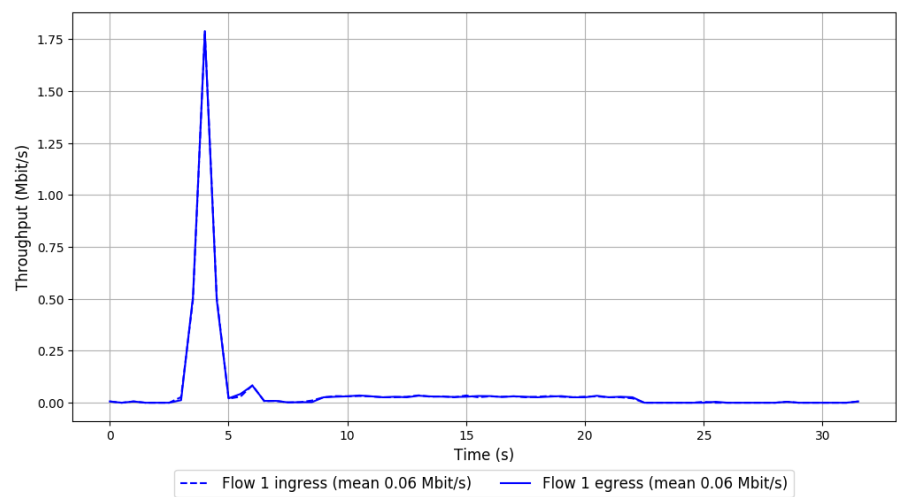
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 136.699 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-04-17 23:12:58

End at: 2018-04-17 23:13:28

# Below is generated by plot.py at 2018-04-18 00:47:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 136.866 ms

Loss rate: 0.00%

-- Flow 1:

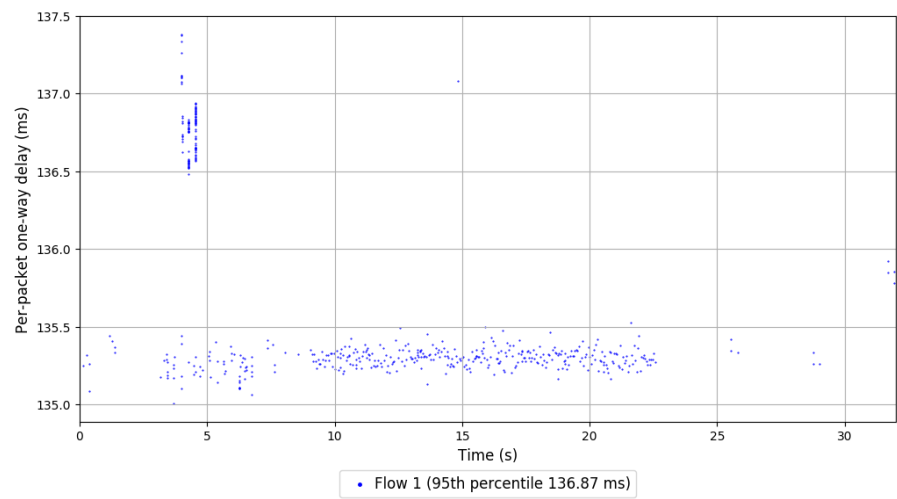
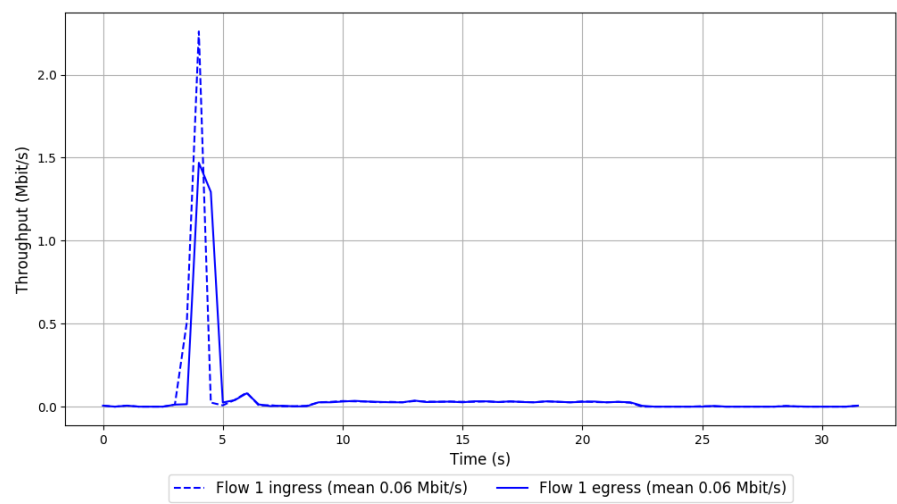
Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 136.866 ms

Loss rate: 0.00%



Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-04-17 23:26:57

End at: 2018-04-17 23:27:27

# Below is generated by plot.py at 2018-04-18 00:47:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 136.731 ms

Loss rate: 0.00%

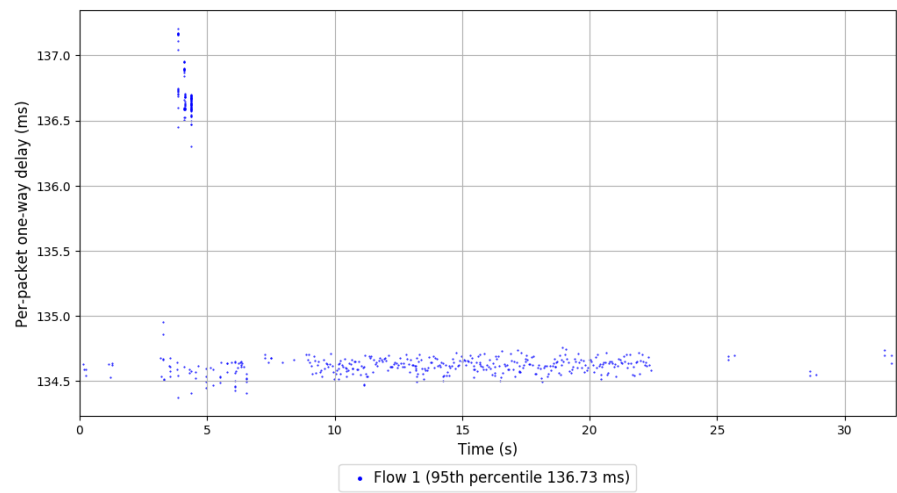
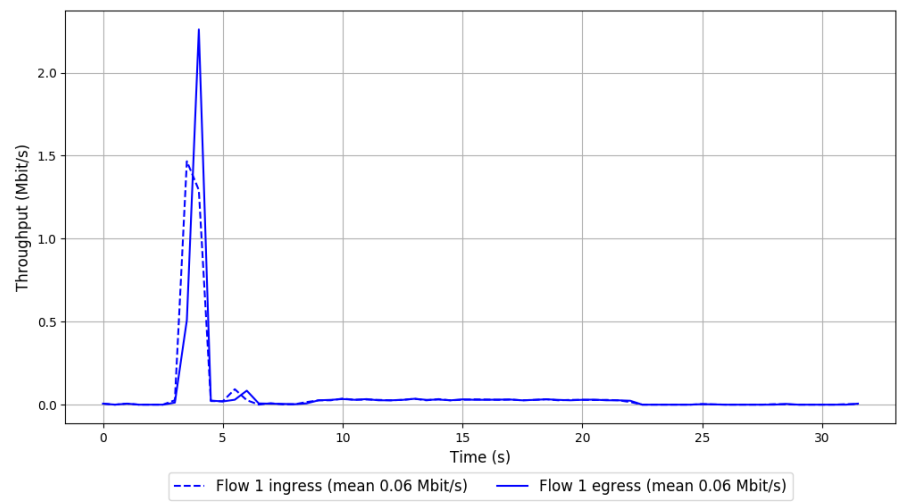
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 136.731 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-04-17 21:22:34

End at: 2018-04-17 21:23:04

# Below is generated by plot.py at 2018-04-18 00:47:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 136.948 ms

Loss rate: 0.00%

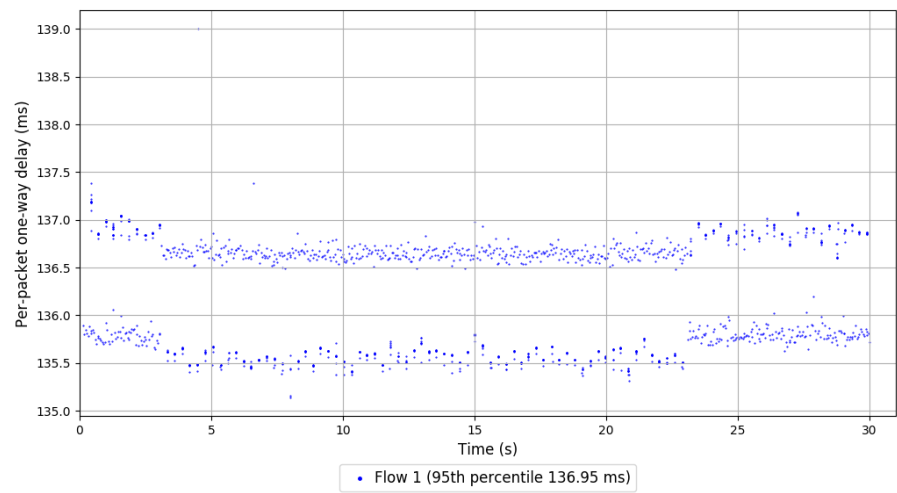
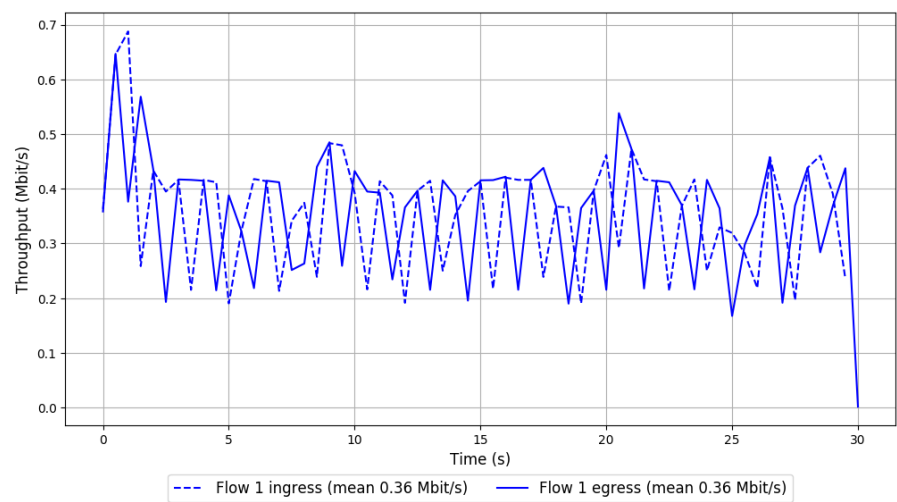
-- Flow 1:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 136.948 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-04-17 21:36:44

End at: 2018-04-17 21:37:14

# Below is generated by plot.py at 2018-04-18 00:47:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 136.837 ms

Loss rate: 0.00%

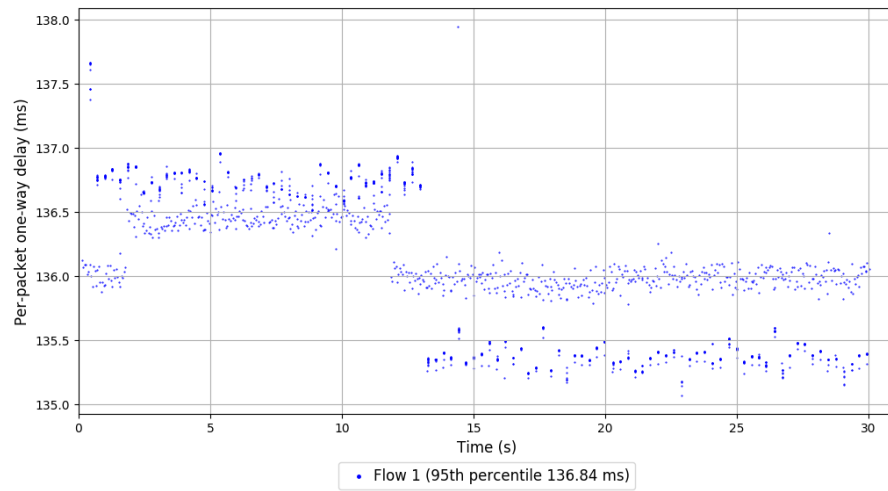
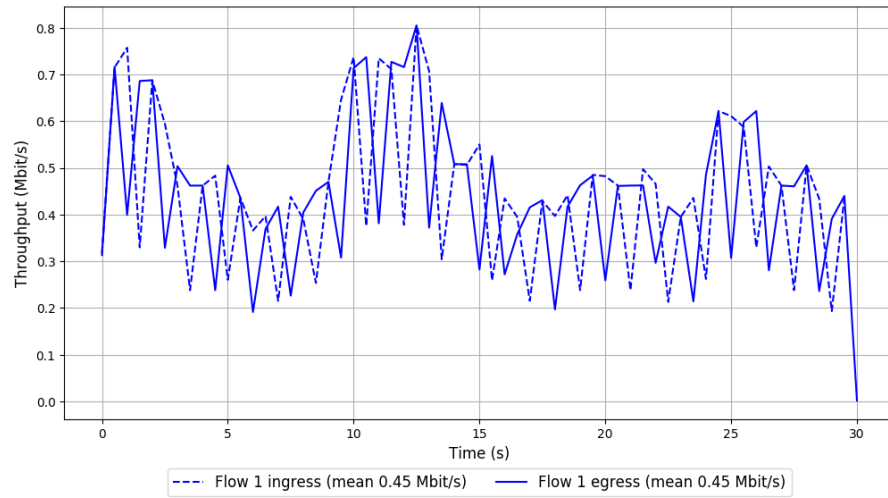
-- Flow 1:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 136.837 ms

Loss rate: 0.00%

## Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-04-17 21:51:03

End at: 2018-04-17 21:51:33

# Below is generated by plot.py at 2018-04-18 00:47:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 136.437 ms

Loss rate: 0.00%

-- Flow 1:

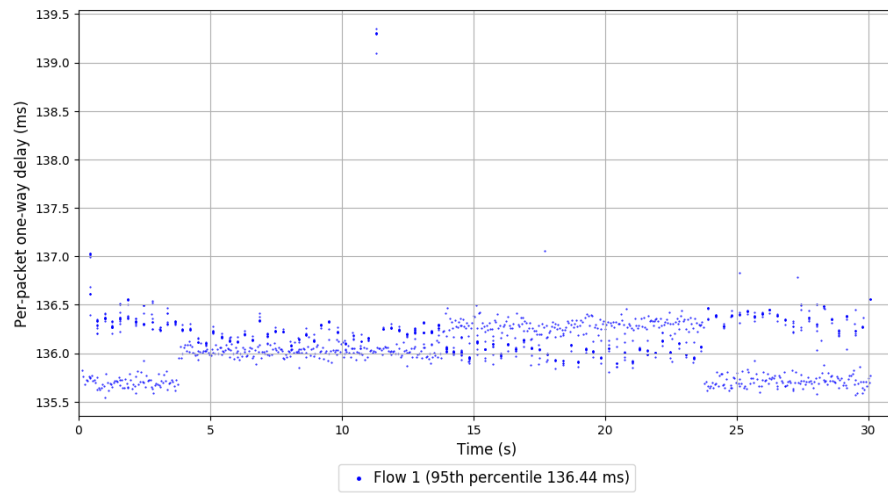
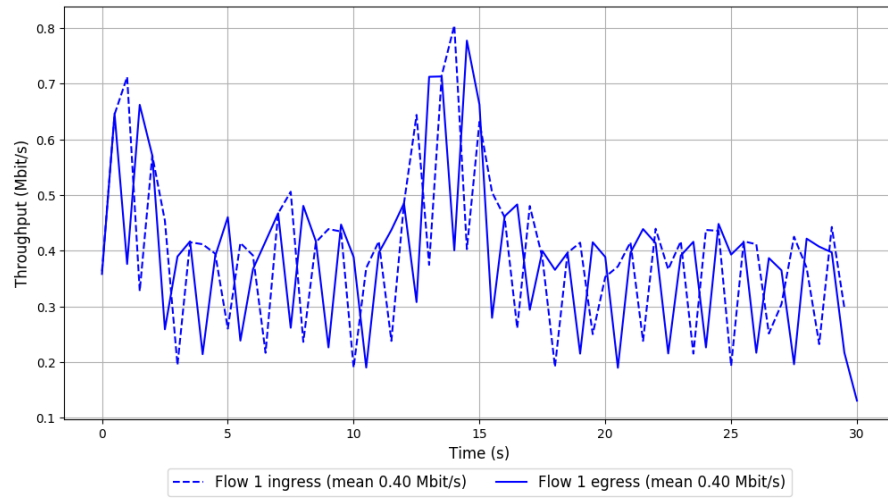
Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 136.437 ms

Loss rate: 0.00%



### Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-04-17 22:05:16

End at: 2018-04-17 22:05:47

# Below is generated by plot.py at 2018-04-18 00:47:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 136.844 ms

Loss rate: 0.00%

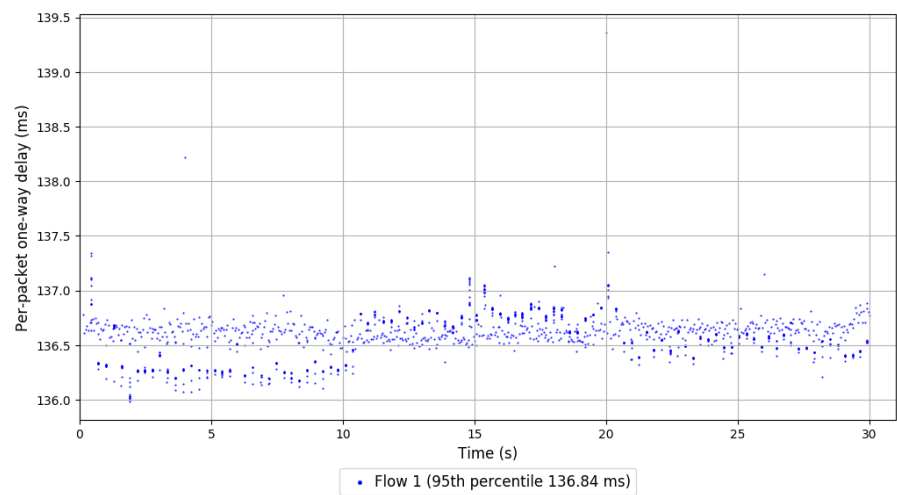
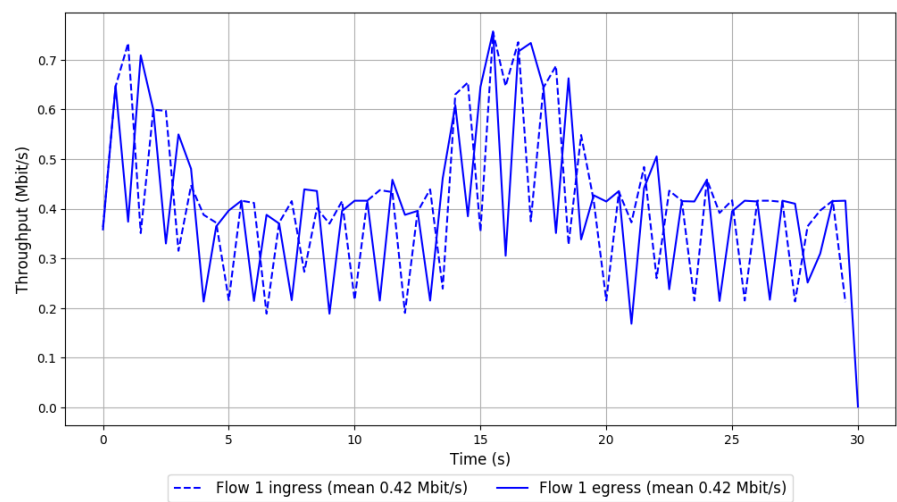
-- Flow 1:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 136.844 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-04-17 22:19:36

End at: 2018-04-17 22:20:06

# Below is generated by plot.py at 2018-04-18 00:47:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 137.050 ms

Loss rate: 0.00%

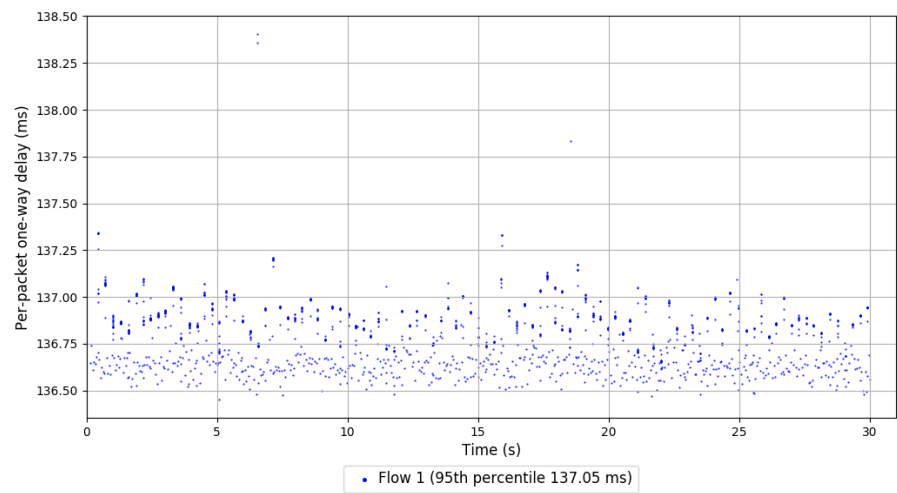
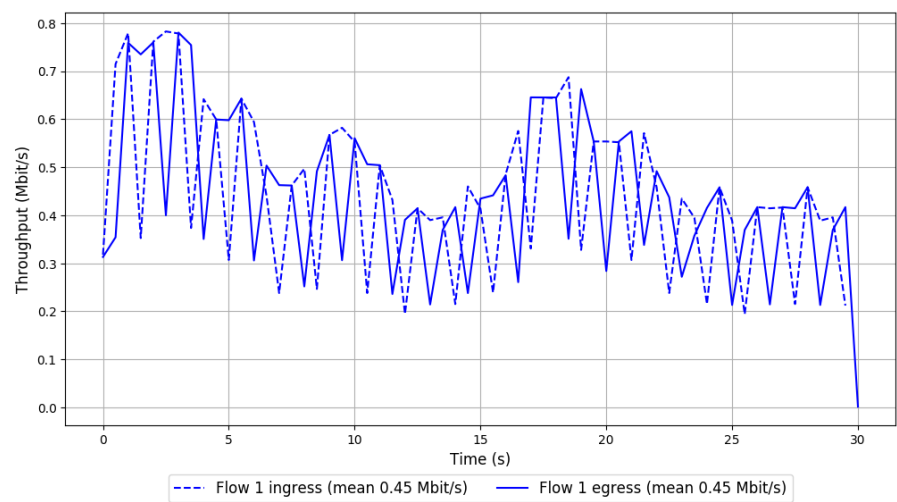
-- Flow 1:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 137.050 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-04-17 22:33:38

End at: 2018-04-17 22:34:08

# Below is generated by plot.py at 2018-04-18 00:47:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 136.728 ms

Loss rate: 0.00%

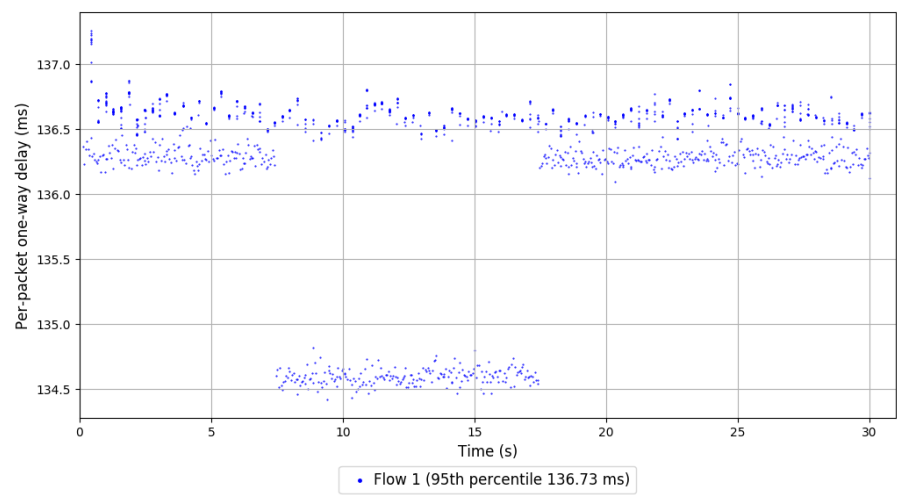
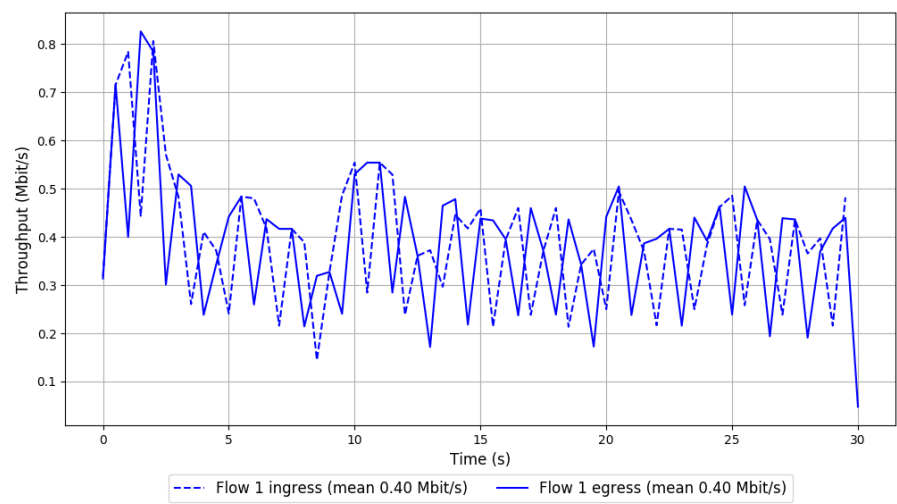
-- Flow 1:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 136.728 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-04-17 22:47:42

End at: 2018-04-17 22:48:12

# Below is generated by plot.py at 2018-04-18 00:47:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 136.945 ms

Loss rate: 0.00%

-- Flow 1:

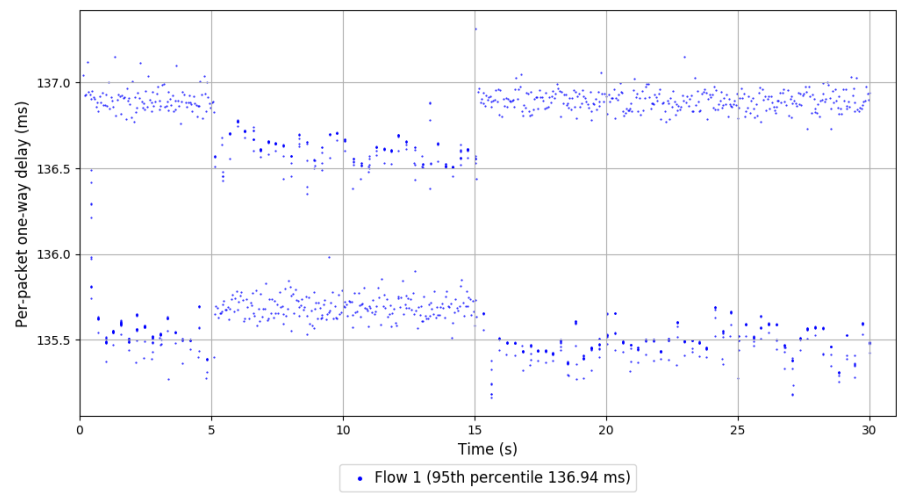
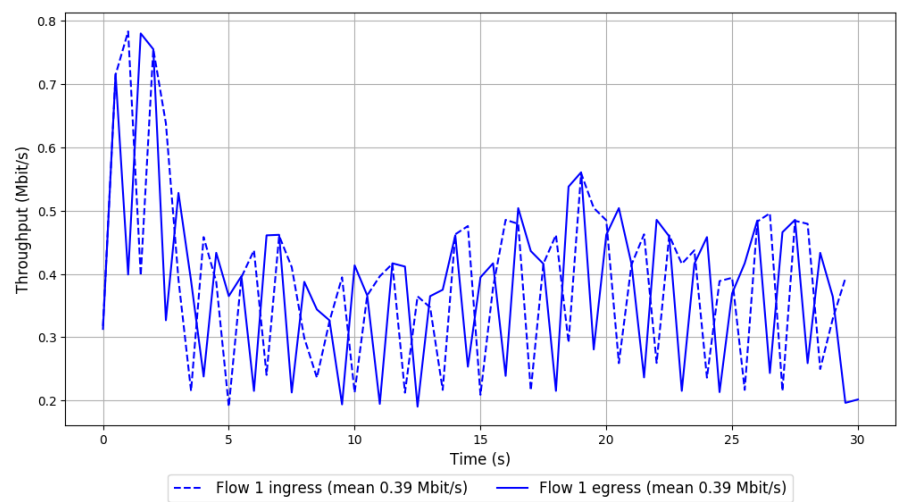
Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 136.945 ms

Loss rate: 0.00%



Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-04-17 23:02:03

End at: 2018-04-17 23:02:33

# Below is generated by plot.py at 2018-04-18 00:47:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 135.814 ms

Loss rate: 0.00%

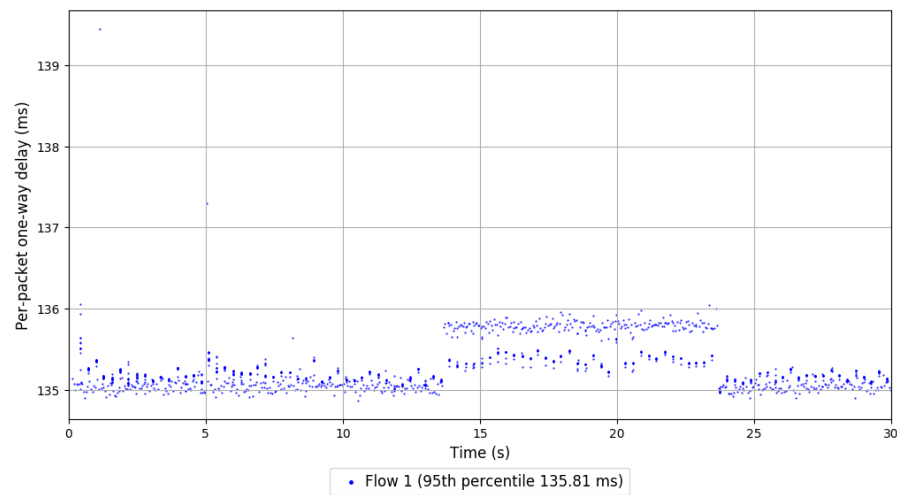
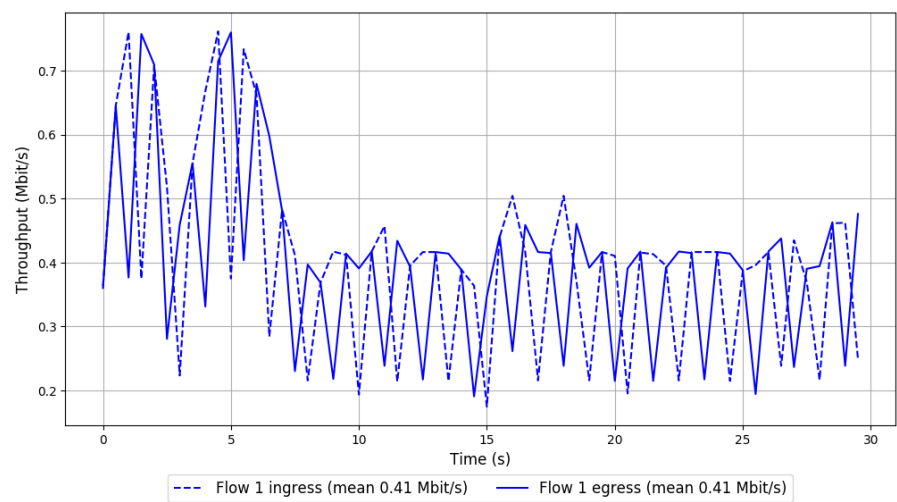
-- Flow 1:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 135.814 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-04-17 23:16:17

End at: 2018-04-17 23:16:47

# Below is generated by plot.py at 2018-04-18 00:47:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 136.826 ms

Loss rate: 0.00%

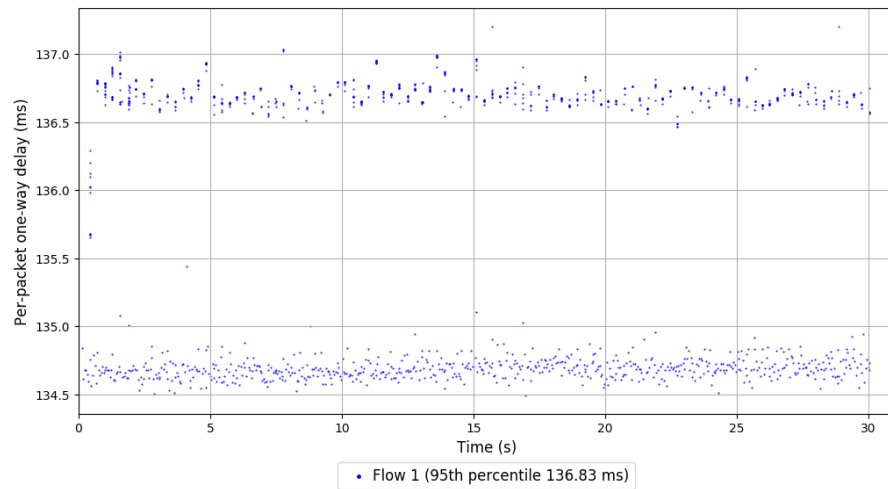
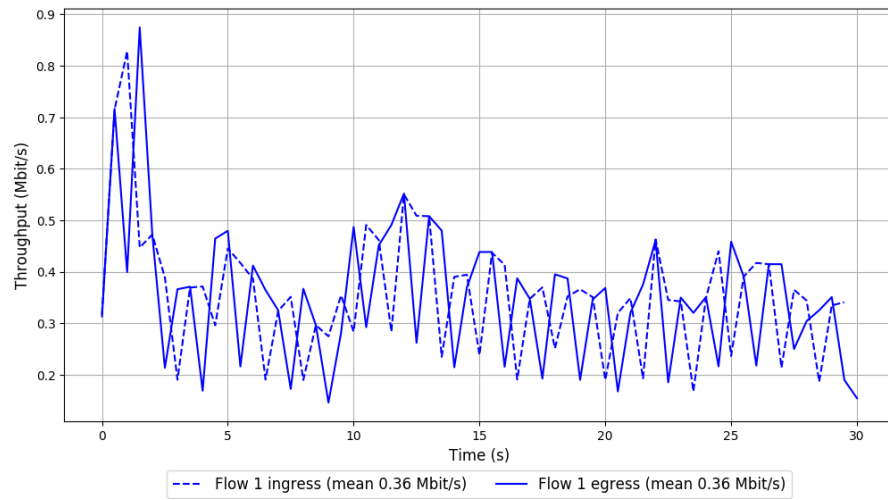
-- Flow 1:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 136.826 ms

Loss rate: 0.00%

## Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-04-17 23:30:15

End at: 2018-04-17 23:30:47

# Below is generated by plot.py at 2018-04-18 00:47:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 135.810 ms

Loss rate: 0.00%

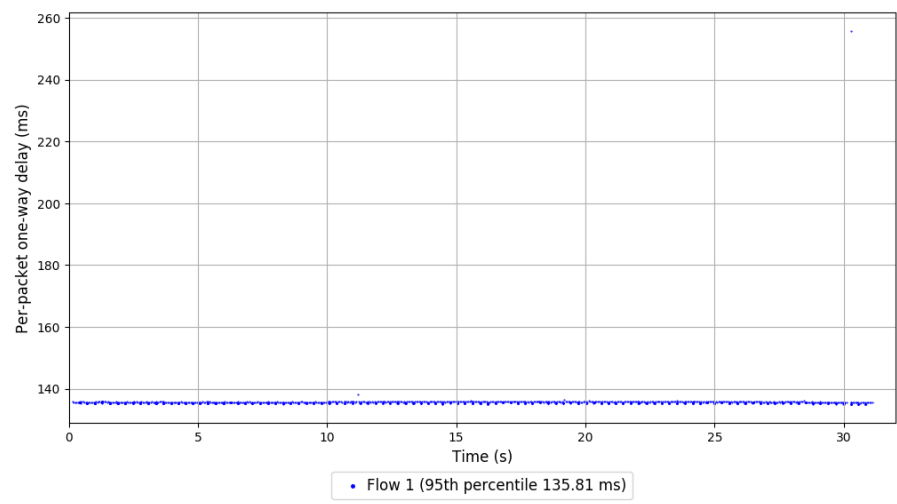
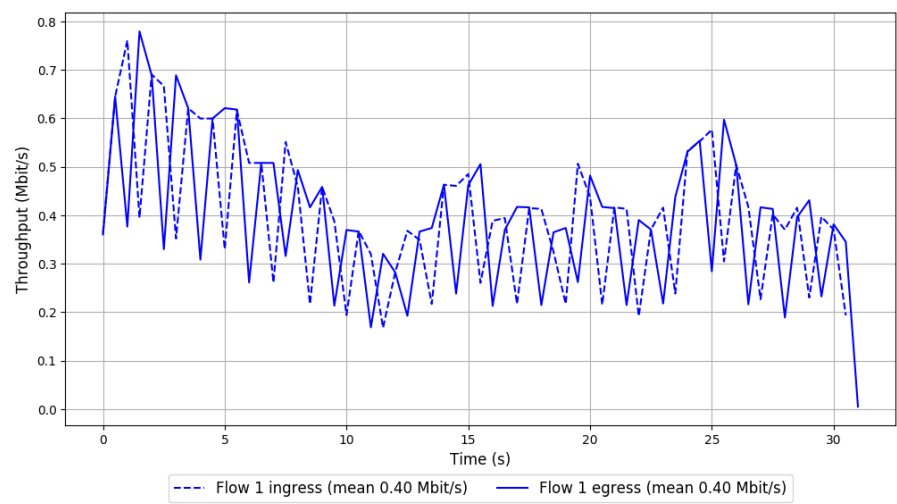
-- Flow 1:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 135.810 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



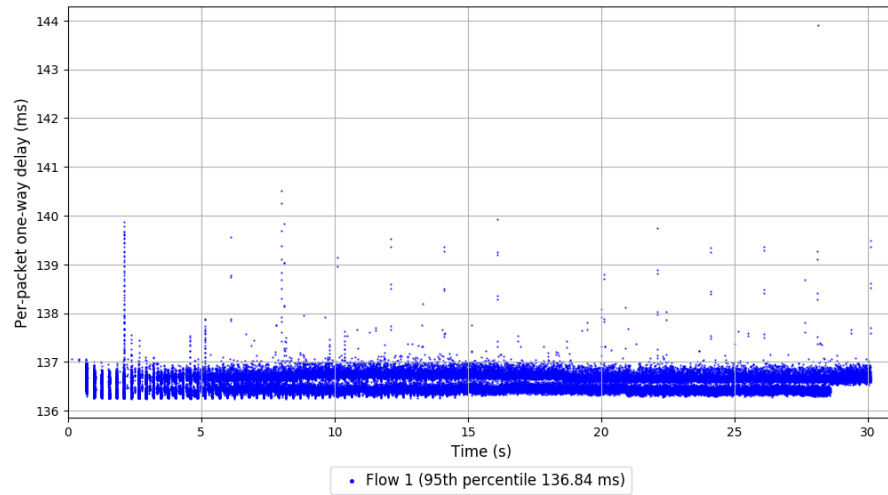
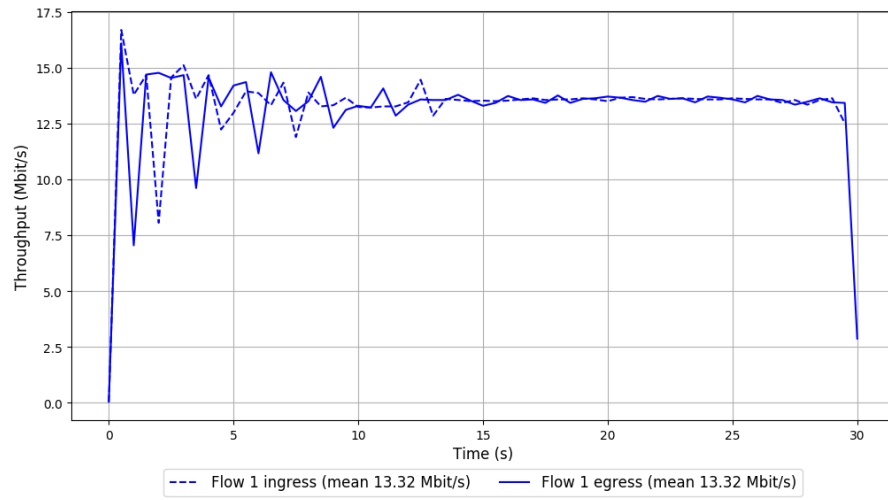
```
Run 1: Statistics of TaoVA-100x

Start at: 2018-04-17 21:17:49
End at: 2018-04-17 21:18:19

# Below is generated by plot.py at 2018-04-18 00:47:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.32 Mbit/s
95th percentile per-packet one-way delay: 136.841 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.32 Mbit/s
95th percentile per-packet one-way delay: 136.841 ms
Loss rate: 0.00%
```



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

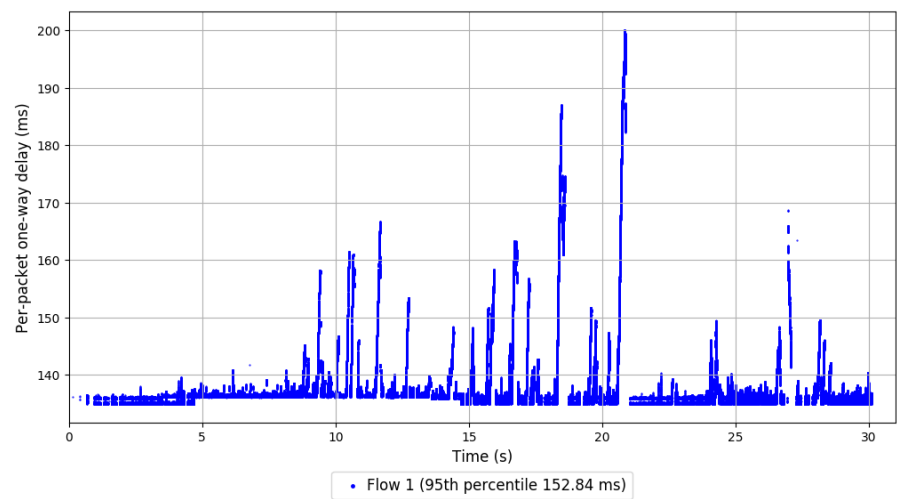
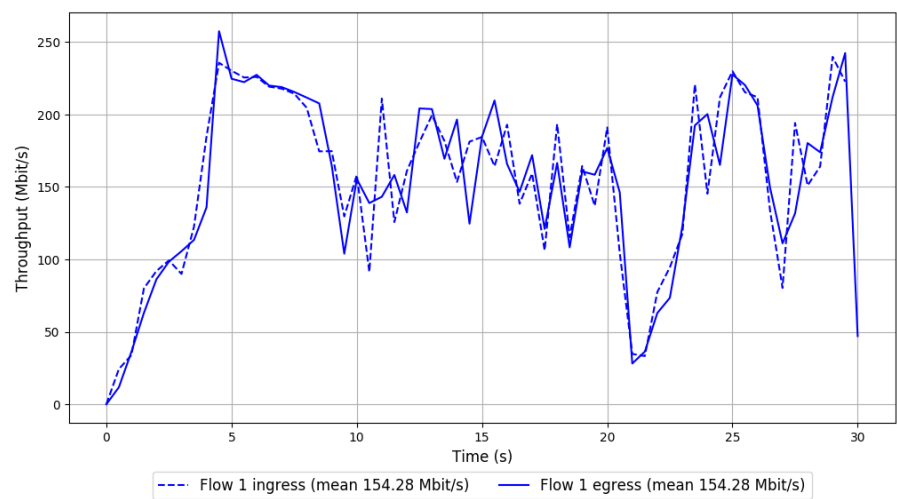


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-04-17 21:31:42
End at: 2018-04-17 21:32:12

# Below is generated by plot.py at 2018-04-18 00:47:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 154.28 Mbit/s
95th percentile per-packet one-way delay: 152.837 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 154.28 Mbit/s
95th percentile per-packet one-way delay: 152.837 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-04-17 21:46:00

End at: 2018-04-17 21:46:30

# Below is generated by plot.py at 2018-04-18 00:47:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 166.11 Mbit/s

95th percentile per-packet one-way delay: 144.872 ms

Loss rate: 0.00%

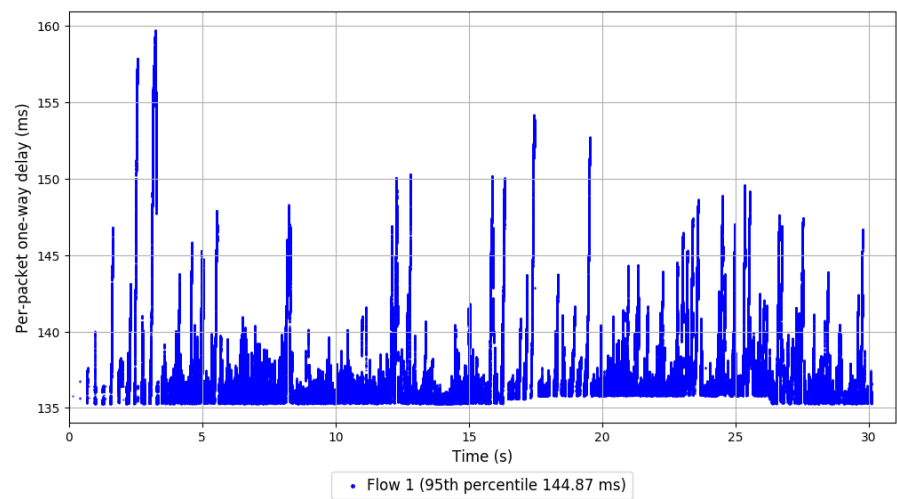
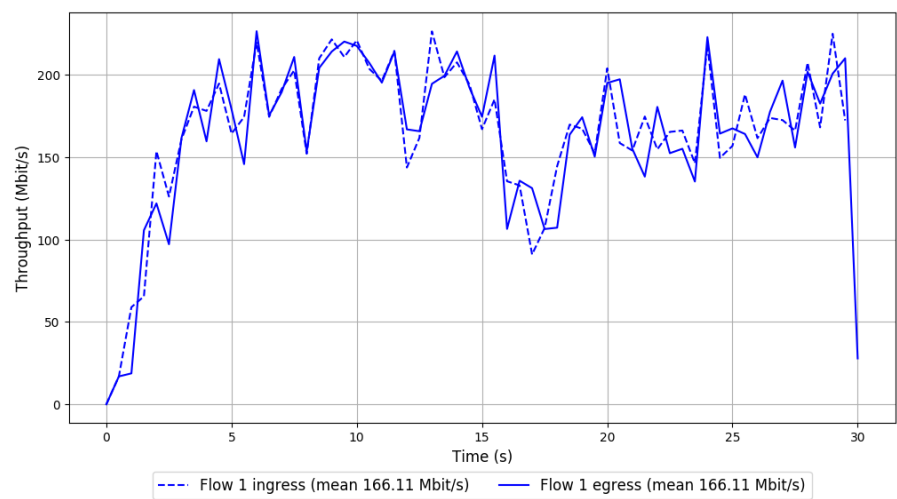
-- Flow 1:

Average throughput: 166.11 Mbit/s

95th percentile per-packet one-way delay: 144.872 ms

Loss rate: 0.00%

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

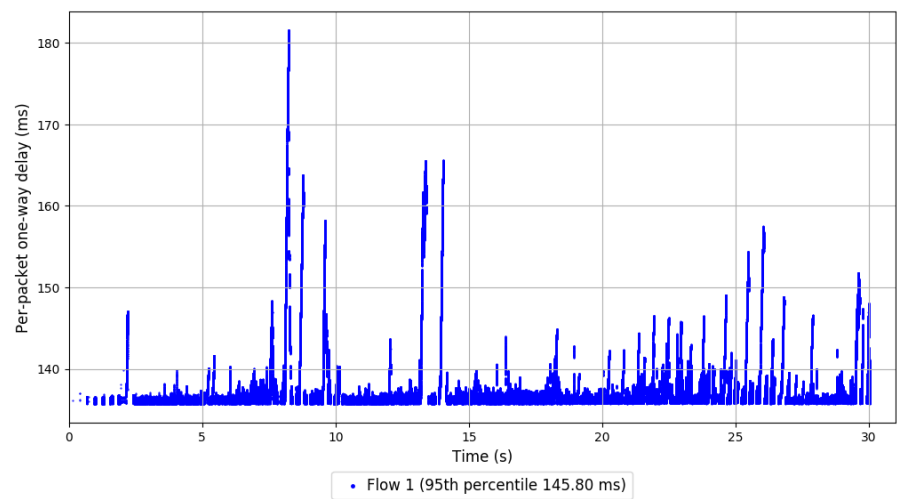
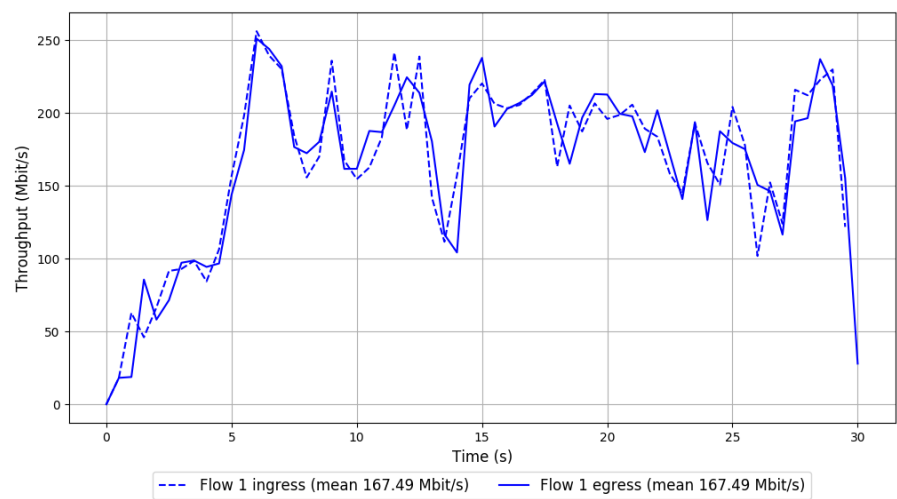


```
Run 4: Statistics of TaoVA-100x

Start at: 2018-04-17 22:00:19
End at: 2018-04-17 22:00:49

# Below is generated by plot.py at 2018-04-18 00:47:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 167.49 Mbit/s
95th percentile per-packet one-way delay: 145.800 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 167.49 Mbit/s
95th percentile per-packet one-way delay: 145.800 ms
Loss rate: 0.00%
```

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-04-17 22:14:36

End at: 2018-04-17 22:15:07

# Below is generated by plot.py at 2018-04-18 00:47:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 177.51 Mbit/s

95th percentile per-packet one-way delay: 140.531 ms

Loss rate: 0.00%

-- Flow 1:

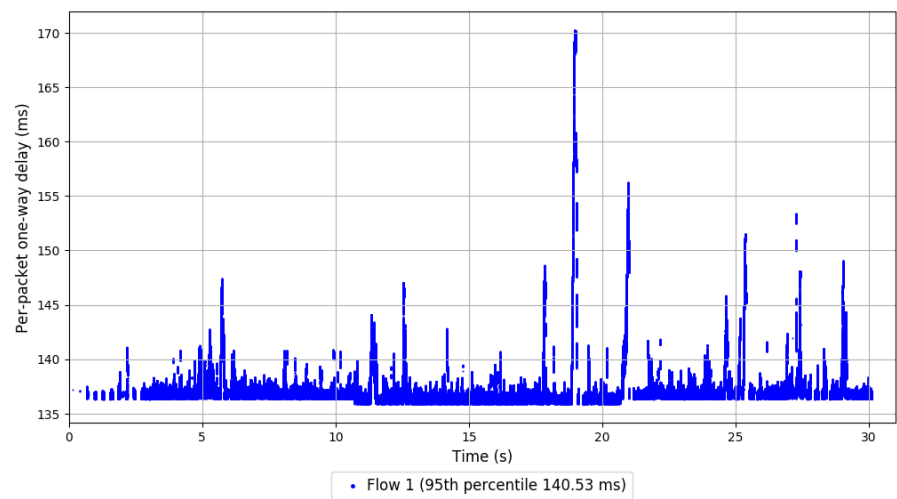
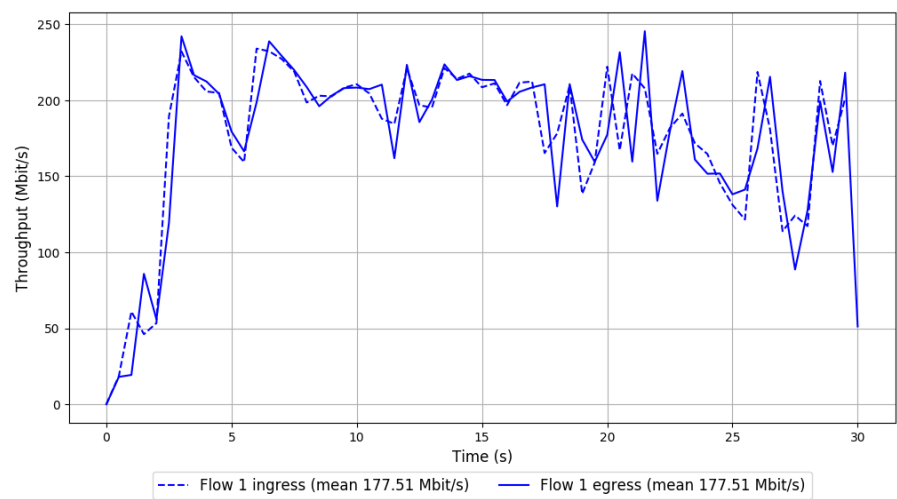
Average throughput: 177.51 Mbit/s

95th percentile per-packet one-way delay: 140.531 ms

Loss rate: 0.00%



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



Run 6: Statistics of TaoVA-100x

Start at: 2018-04-17 22:28:51

End at: 2018-04-17 22:29:21

# Below is generated by plot.py at 2018-04-18 00:47:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.17 Mbit/s

95th percentile per-packet one-way delay: 136.597 ms

Loss rate: 0.00%

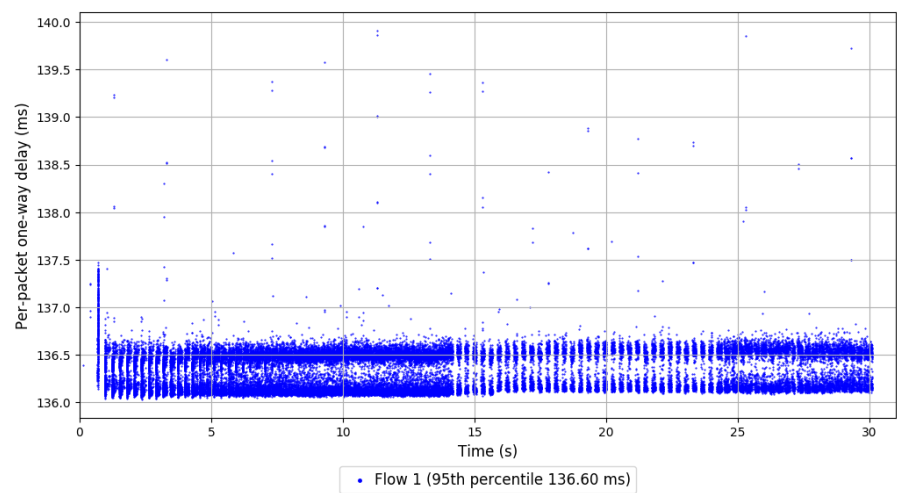
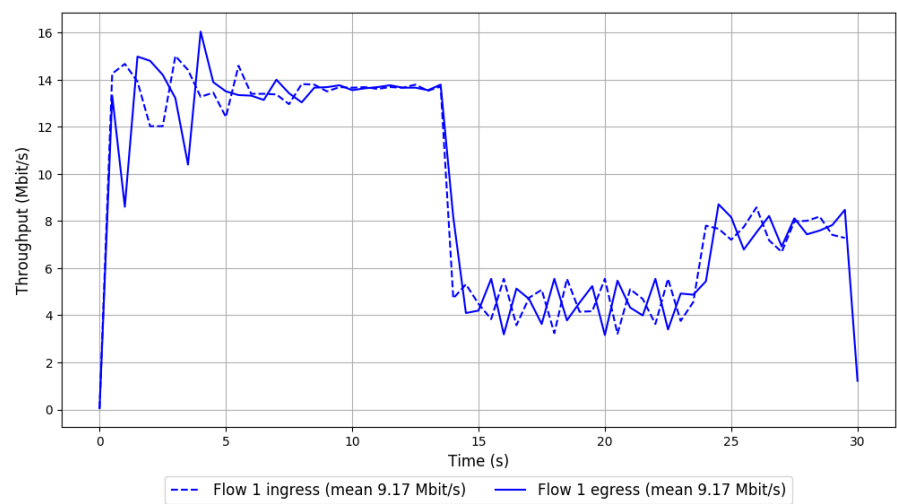
-- Flow 1:

Average throughput: 9.17 Mbit/s

95th percentile per-packet one-way delay: 136.597 ms

Loss rate: 0.00%

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

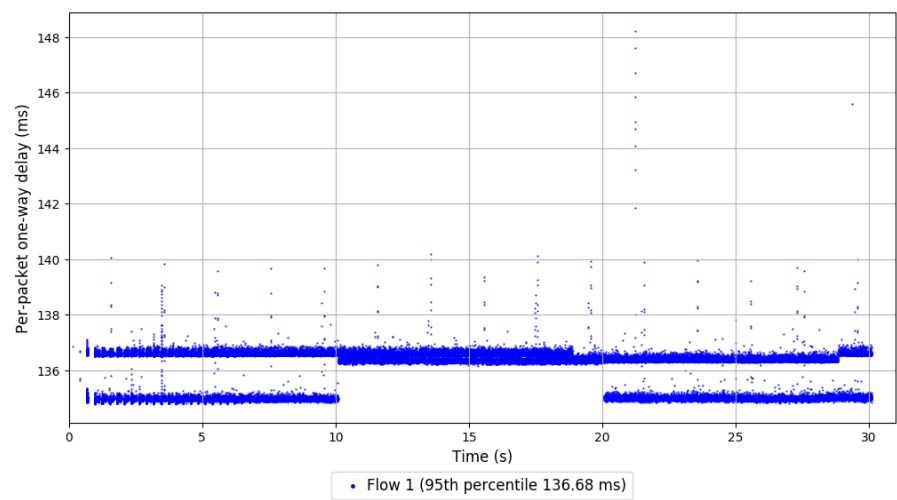
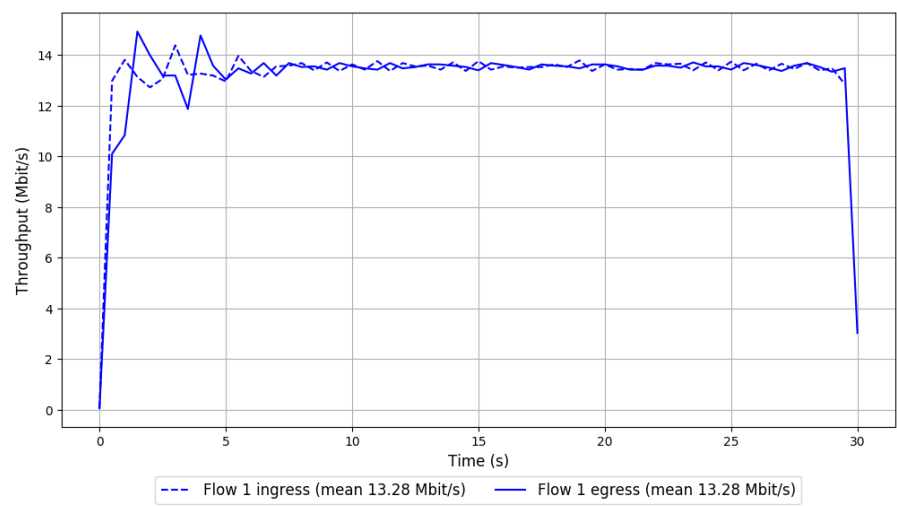


```
Run 7: Statistics of TaoVA-100x

Start at: 2018-04-17 22:42:57
End at: 2018-04-17 22:43:27

# Below is generated by plot.py at 2018-04-18 00:47:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.28 Mbit/s
95th percentile per-packet one-way delay: 136.680 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.28 Mbit/s
95th percentile per-packet one-way delay: 136.680 ms
Loss rate: 0.00%
```

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-04-17 22:57:02

End at: 2018-04-17 22:57:32

# Below is generated by plot.py at 2018-04-18 00:48:04

# Datalink statistics

-- Total of 1 flow:

Average throughput: 183.14 Mbit/s

95th percentile per-packet one-way delay: 137.100 ms

Loss rate: 0.00%

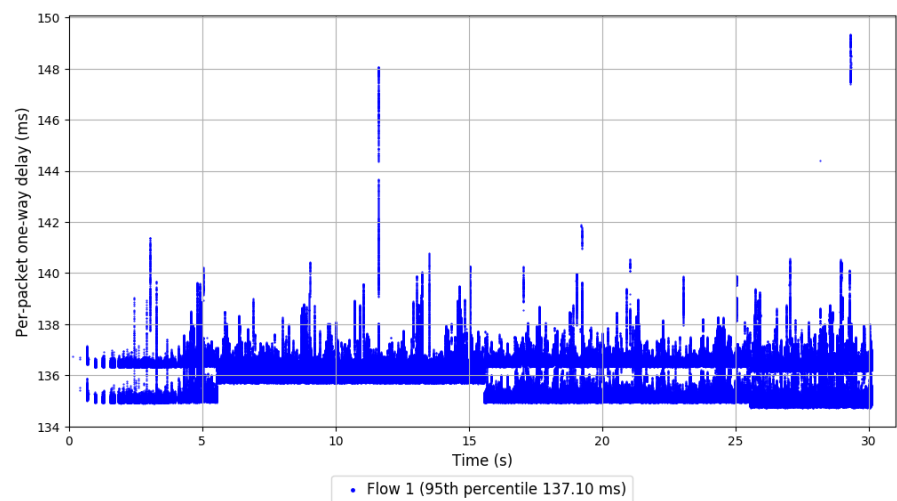
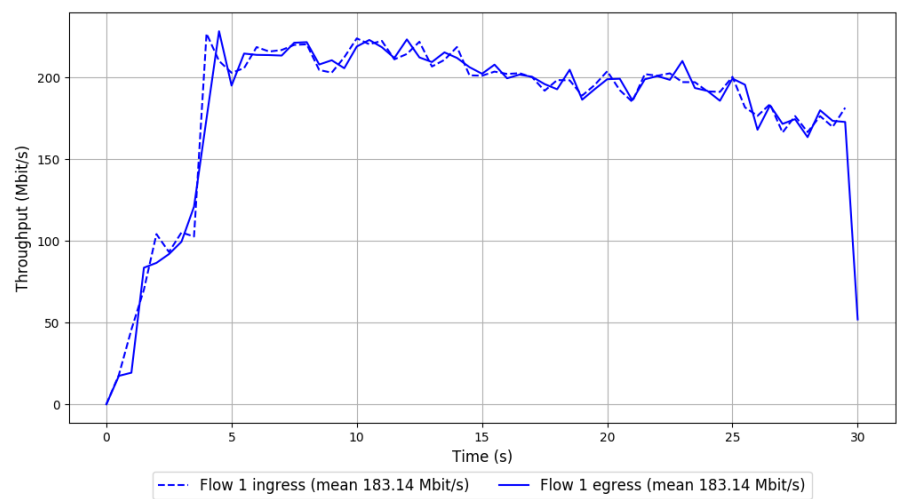
-- Flow 1:

Average throughput: 183.14 Mbit/s

95th percentile per-packet one-way delay: 137.100 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-04-17 23:11:13

End at: 2018-04-17 23:11:43

# Below is generated by plot.py at 2018-04-18 00:48:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 184.00 Mbit/s

95th percentile per-packet one-way delay: 137.609 ms

Loss rate: 0.00%

-- Flow 1:

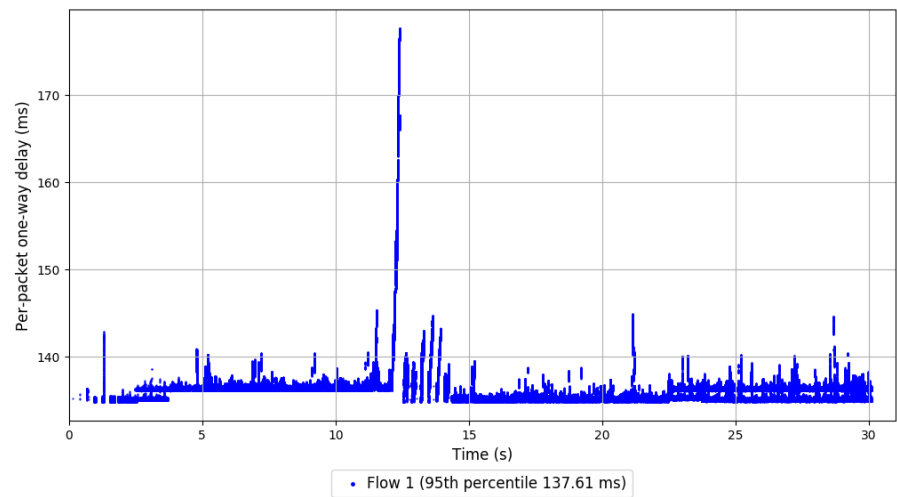
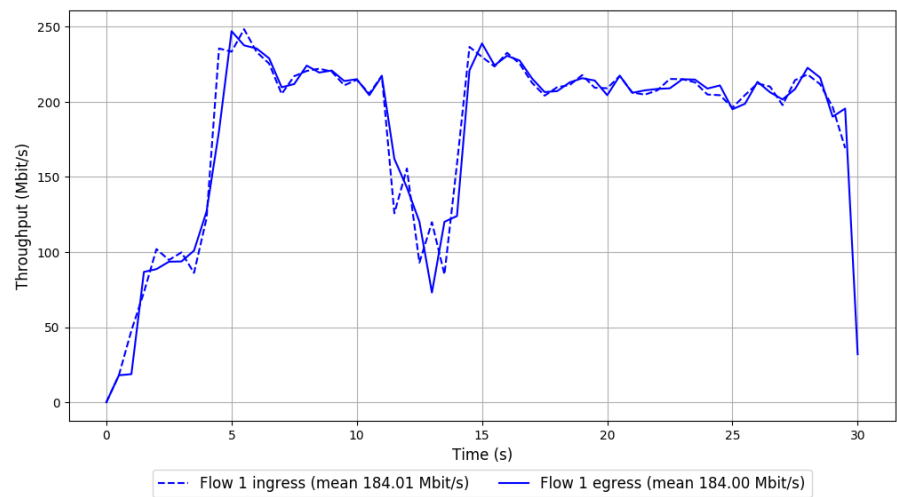
Average throughput: 184.00 Mbit/s

95th percentile per-packet one-way delay: 137.609 ms

Loss rate: 0.00%



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

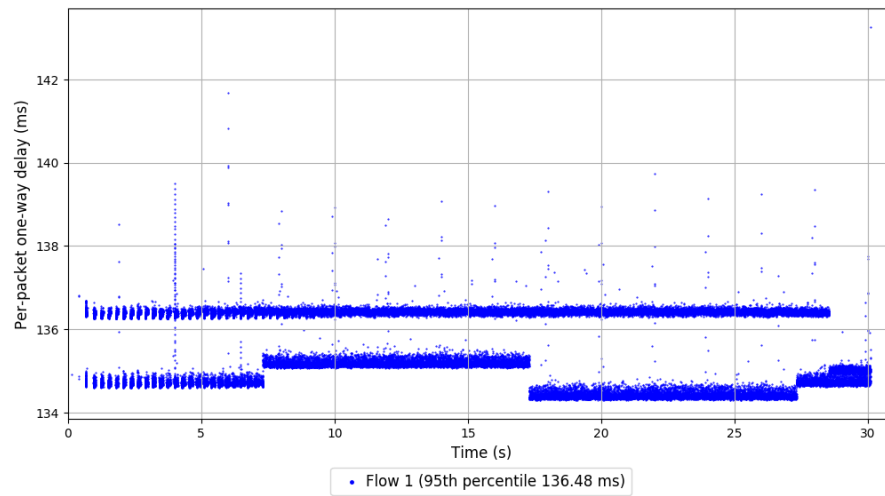
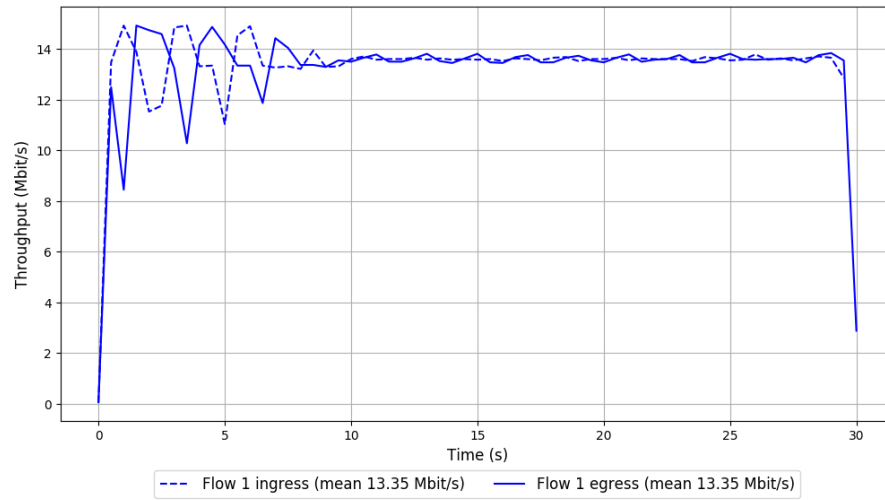


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-04-17 23:25:29
End at: 2018-04-17 23:25:59

# Below is generated by plot.py at 2018-04-18 00:48:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.35 Mbit/s
95th percentile per-packet one-way delay: 136.480 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.35 Mbit/s
95th percentile per-packet one-way delay: 136.480 ms
Loss rate: 0.00%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-04-17 21:18:33

End at: 2018-04-17 21:19:03

# Below is generated by plot.py at 2018-04-18 00:48:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 27.08 Mbit/s

95th percentile per-packet one-way delay: 138.591 ms

Loss rate: 0.00%

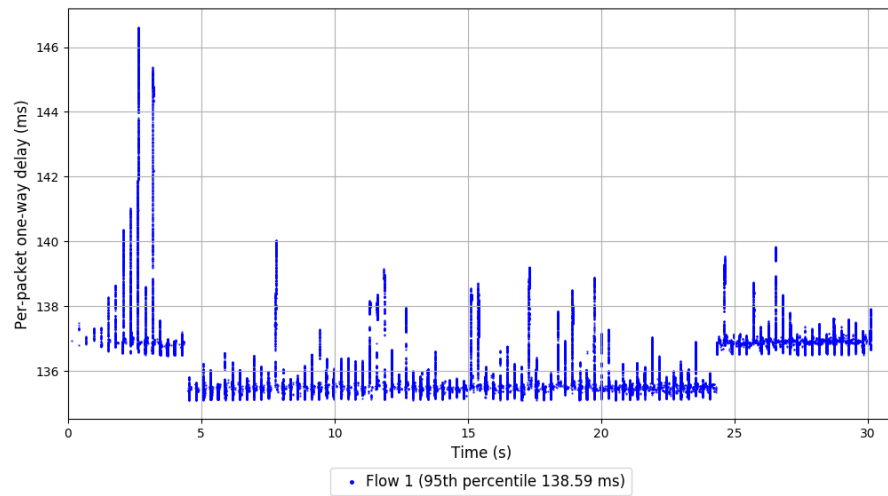
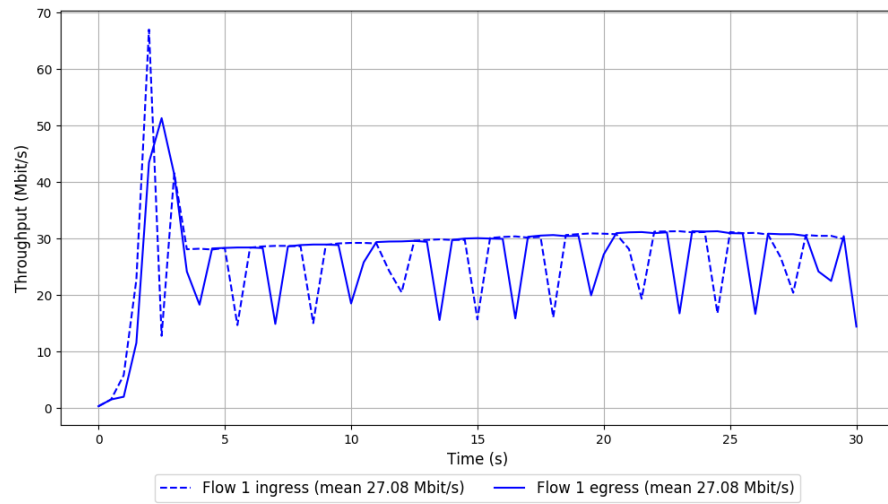
-- Flow 1:

Average throughput: 27.08 Mbit/s

95th percentile per-packet one-way delay: 138.591 ms

Loss rate: 0.00%

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



Run 2: Statistics of TCP Vegas

Start at: 2018-04-17 21:32:41

End at: 2018-04-17 21:33:11

# Below is generated by plot.py at 2018-04-18 00:48:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 82.32 Mbit/s

95th percentile per-packet one-way delay: 146.412 ms

Loss rate: 0.00%

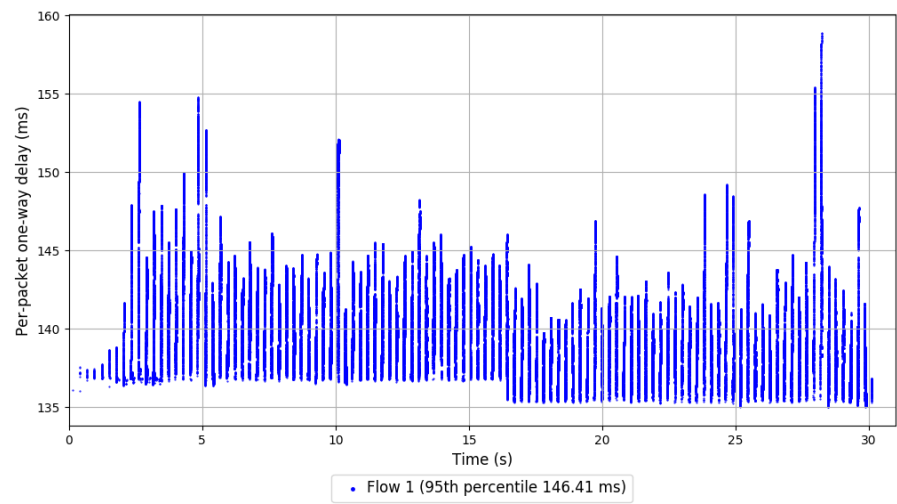
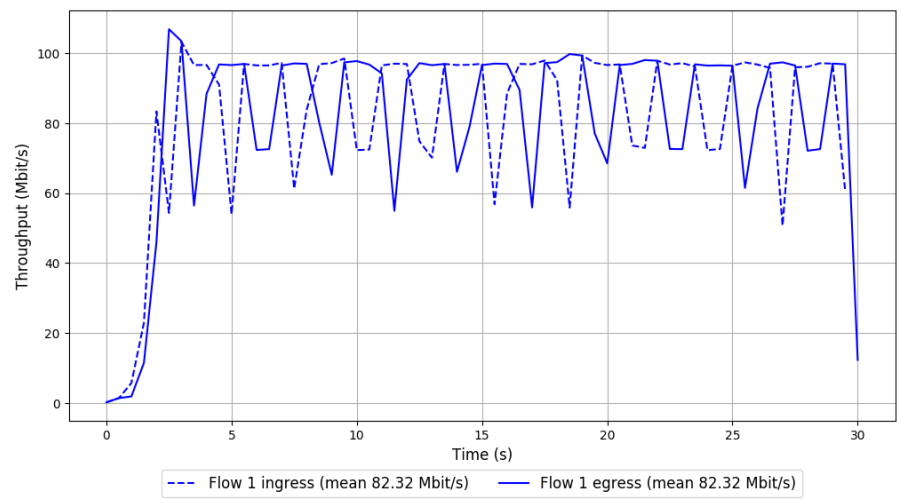
-- Flow 1:

Average throughput: 82.32 Mbit/s

95th percentile per-packet one-way delay: 146.412 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-04-17 21:47:01

End at: 2018-04-17 21:47:31

# Below is generated by plot.py at 2018-04-18 00:48:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 24.79 Mbit/s

95th percentile per-packet one-way delay: 137.812 ms

Loss rate: 0.00%

-- Flow 1:

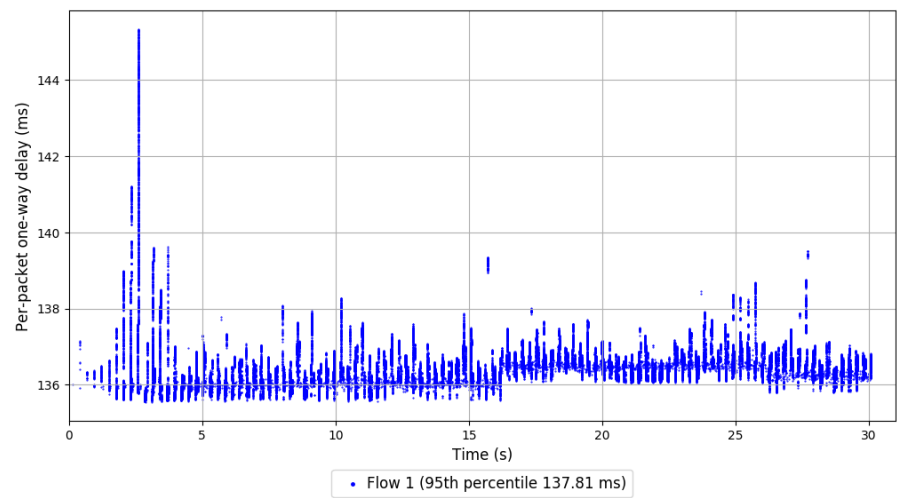
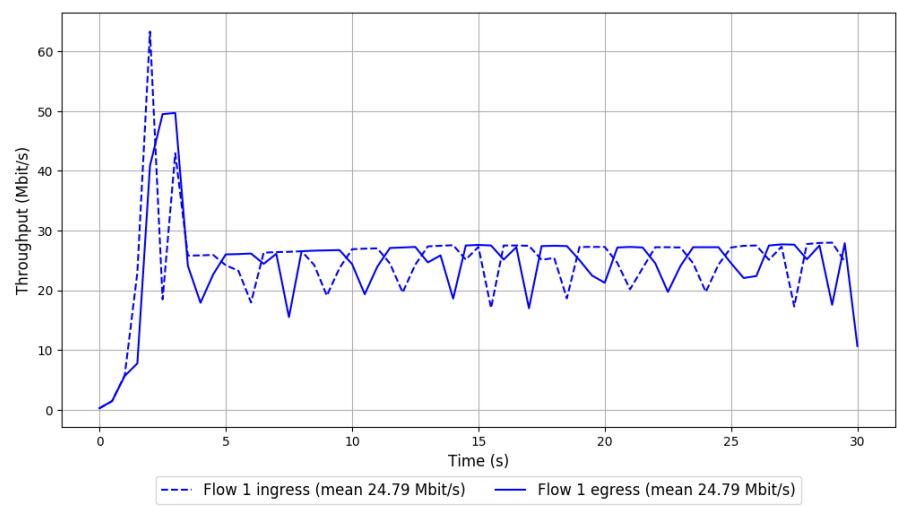
Average throughput: 24.79 Mbit/s

95th percentile per-packet one-way delay: 137.812 ms

Loss rate: 0.00%



Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-04-17 22:01:18

End at: 2018-04-17 22:01:48

# Below is generated by plot.py at 2018-04-18 00:48:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 23.78 Mbit/s

95th percentile per-packet one-way delay: 140.782 ms

Loss rate: 0.27%

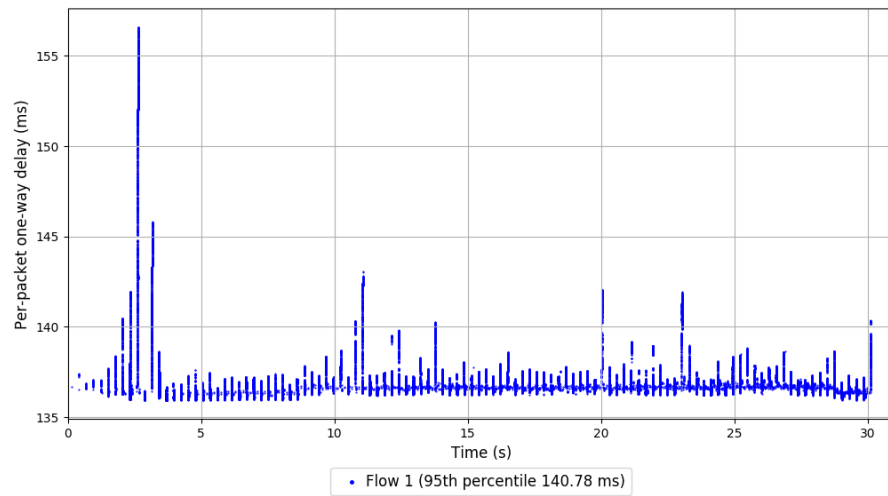
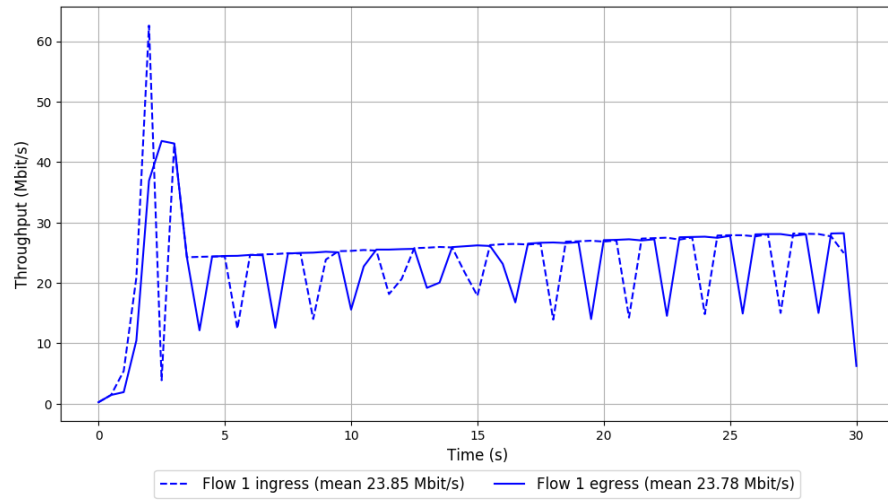
-- Flow 1:

Average throughput: 23.78 Mbit/s

95th percentile per-packet one-way delay: 140.782 ms

Loss rate: 0.27%

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



Run 5: Statistics of TCP Vegas

Start at: 2018-04-17 22:15:37

End at: 2018-04-17 22:16:07

# Below is generated by plot.py at 2018-04-18 00:48:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 24.83 Mbit/s

95th percentile per-packet one-way delay: 139.872 ms

Loss rate: 0.00%

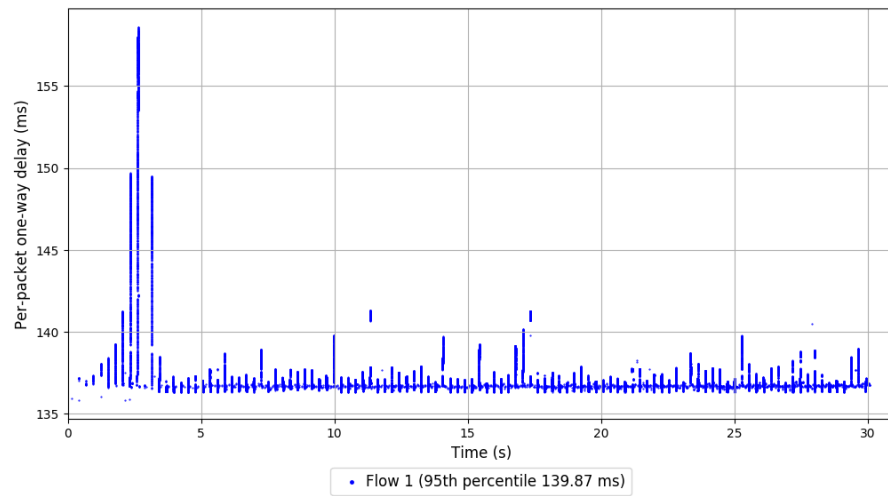
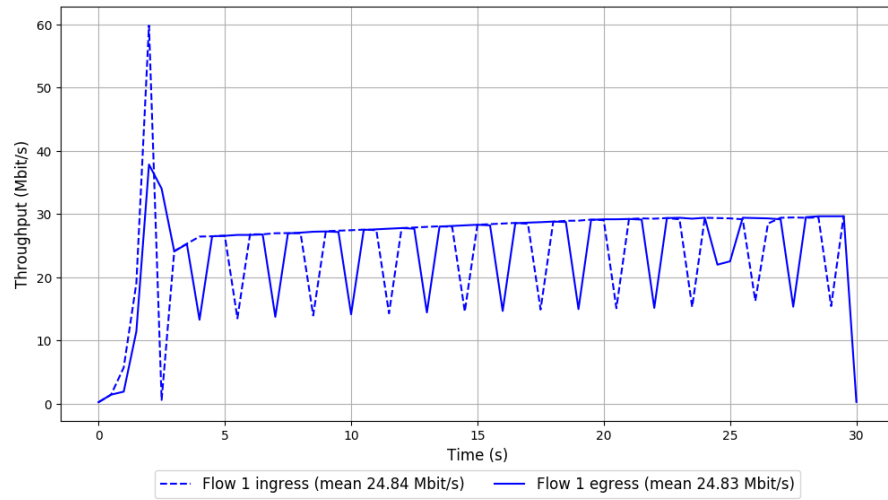
-- Flow 1:

Average throughput: 24.83 Mbit/s

95th percentile per-packet one-way delay: 139.872 ms

Loss rate: 0.00%

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



Run 6: Statistics of TCP Vegas

Start at: 2018-04-17 22:29:35

End at: 2018-04-17 22:30:05

# Below is generated by plot.py at 2018-04-18 00:48:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.09 Mbit/s

95th percentile per-packet one-way delay: 145.012 ms

Loss rate: 0.00%

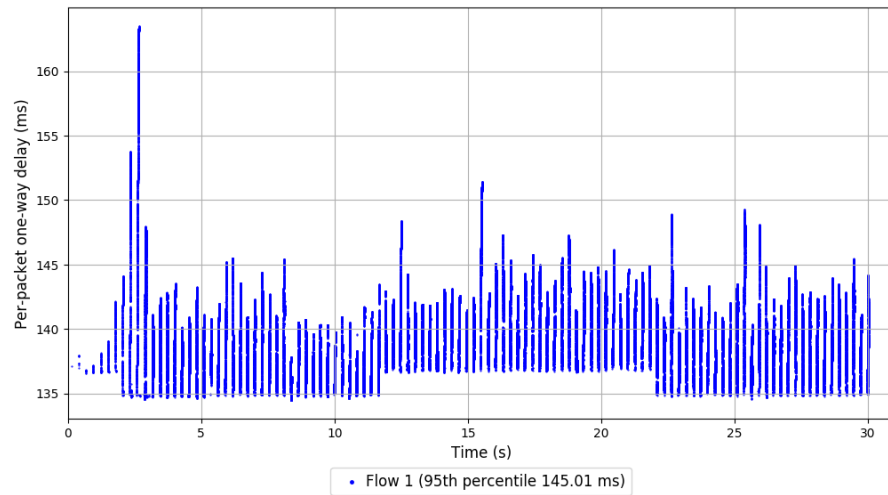
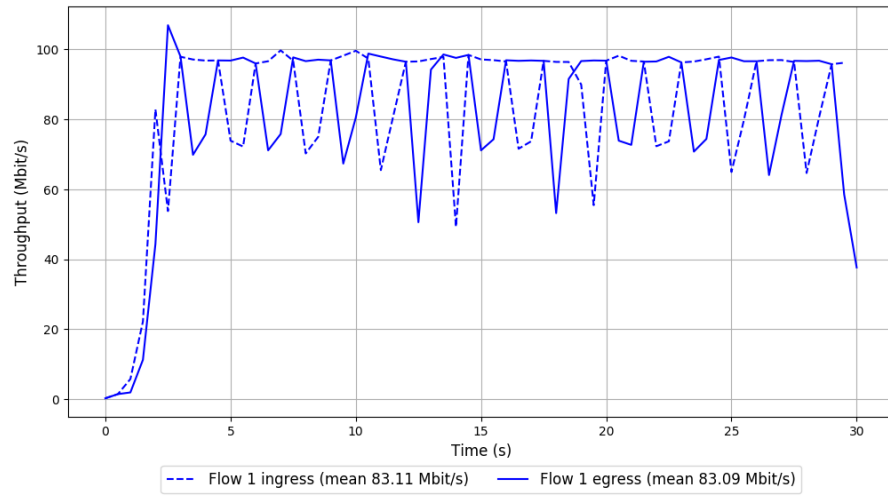
-- Flow 1:

Average throughput: 83.09 Mbit/s

95th percentile per-packet one-way delay: 145.012 ms

Loss rate: 0.00%

### Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-04-17 22:43:41

End at: 2018-04-17 22:44:11

# Below is generated by plot.py at 2018-04-18 00:48:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 21.48 Mbit/s

95th percentile per-packet one-way delay: 142.873 ms

Loss rate: 0.00%

-- Flow 1:

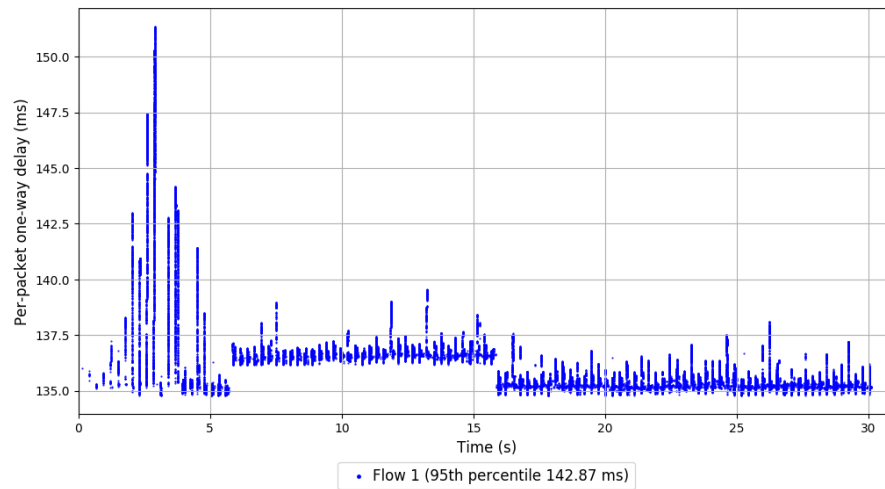
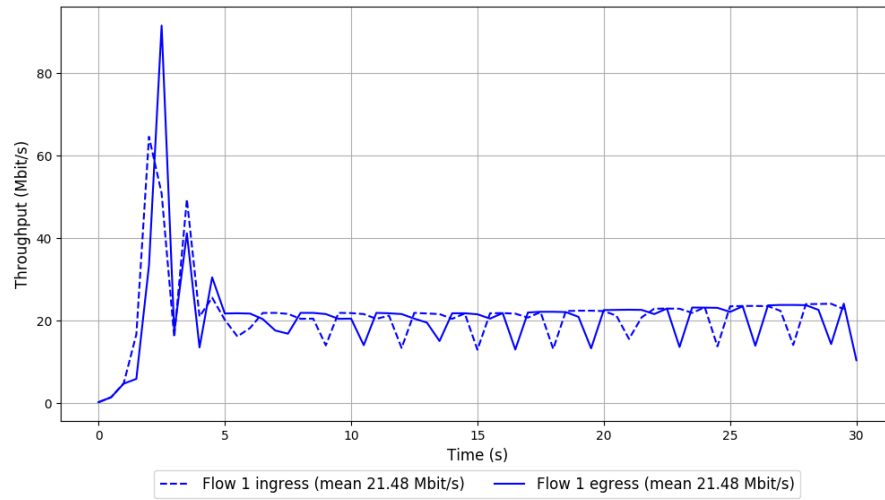
Average throughput: 21.48 Mbit/s

95th percentile per-packet one-way delay: 142.873 ms

Loss rate: 0.00%



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



Run 8: Statistics of TCP Vegas

Start at: 2018-04-17 22:58:02

End at: 2018-04-17 22:58:32

# Below is generated by plot.py at 2018-04-18 00:48:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 62.79 Mbit/s

95th percentile per-packet one-way delay: 138.472 ms

Loss rate: 0.00%

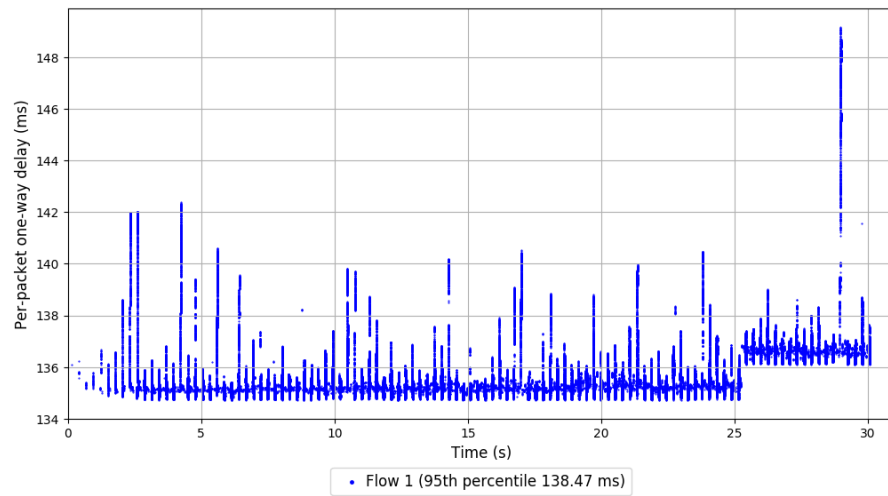
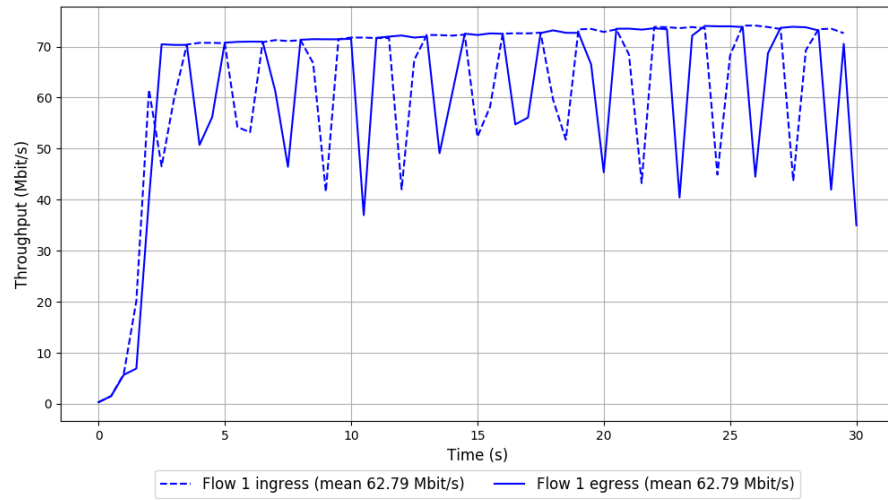
-- Flow 1:

Average throughput: 62.79 Mbit/s

95th percentile per-packet one-way delay: 138.472 ms

Loss rate: 0.00%

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



Run 9: Statistics of TCP Vegas

Start at: 2018-04-17 23:12:14

End at: 2018-04-17 23:12:44

# Below is generated by plot.py at 2018-04-18 00:48:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 26.37 Mbit/s

95th percentile per-packet one-way delay: 140.301 ms

Loss rate: 0.00%

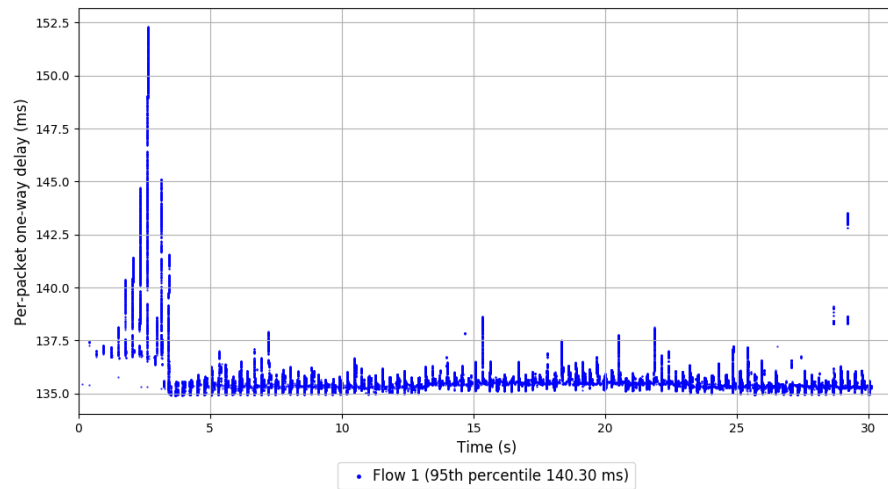
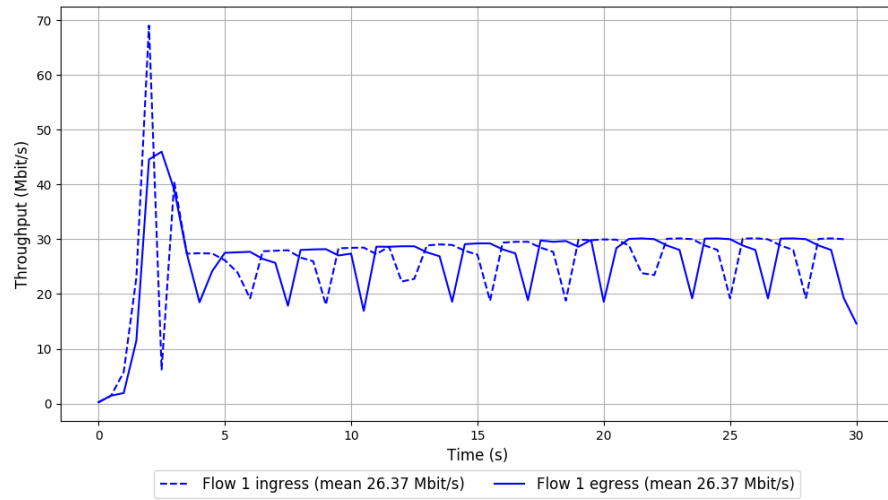
-- Flow 1:

Average throughput: 26.37 Mbit/s

95th percentile per-packet one-way delay: 140.301 ms

Loss rate: 0.00%

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



Run 10: Statistics of TCP Vegas

Start at: 2018-04-17 23:26:13

End at: 2018-04-17 23:26:43

# Below is generated by plot.py at 2018-04-18 00:48:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 26.35 Mbit/s

95th percentile per-packet one-way delay: 138.981 ms

Loss rate: 0.00%

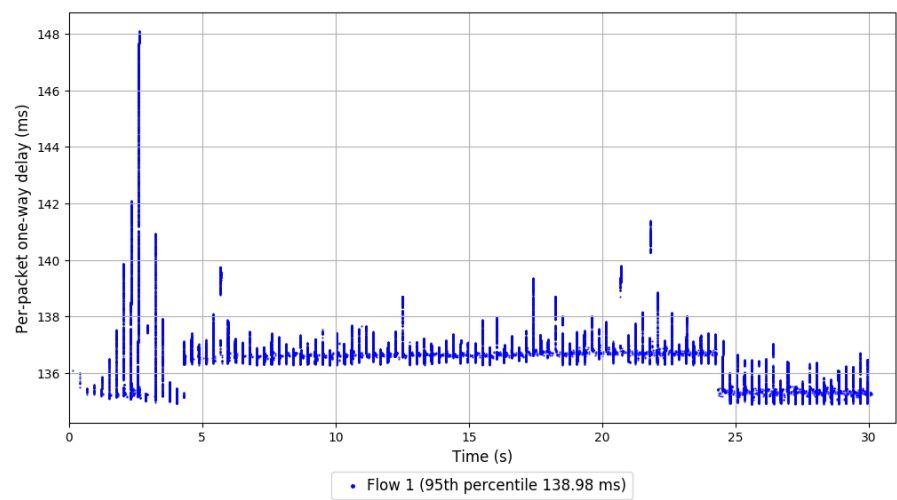
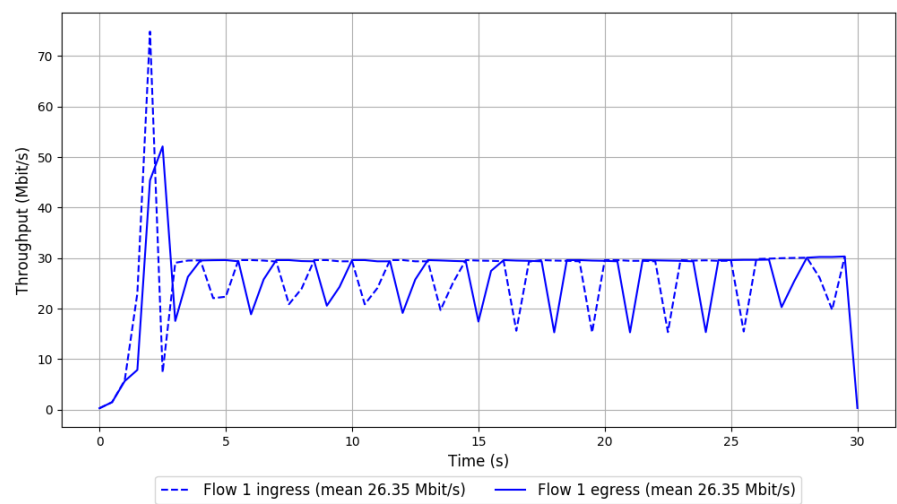
-- Flow 1:

Average throughput: 26.35 Mbit/s

95th percentile per-packet one-way delay: 138.981 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-04-17 21:13:05

End at: 2018-04-17 21:13:35

# Below is generated by plot.py at 2018-04-18 00:50:02

# Datalink statistics

-- Total of 1 flow:

Average throughput: 165.11 Mbit/s

95th percentile per-packet one-way delay: 214.574 ms

Loss rate: 0.48%

-- Flow 1:

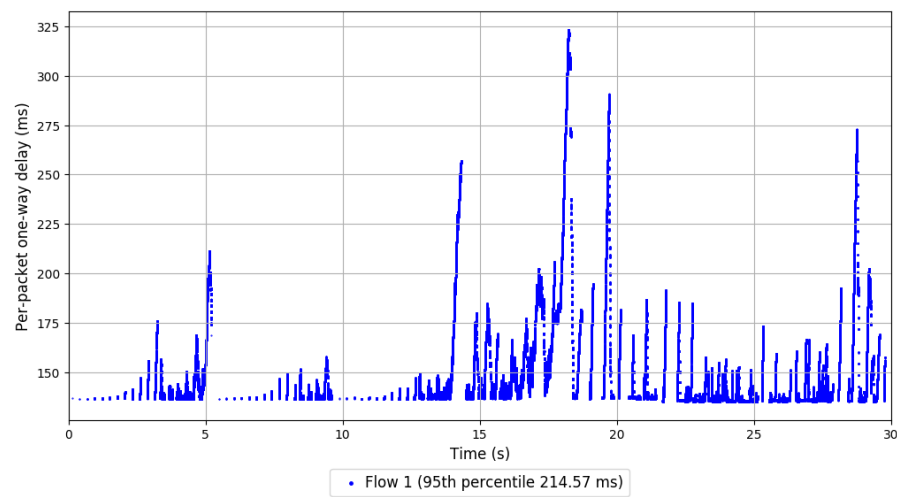
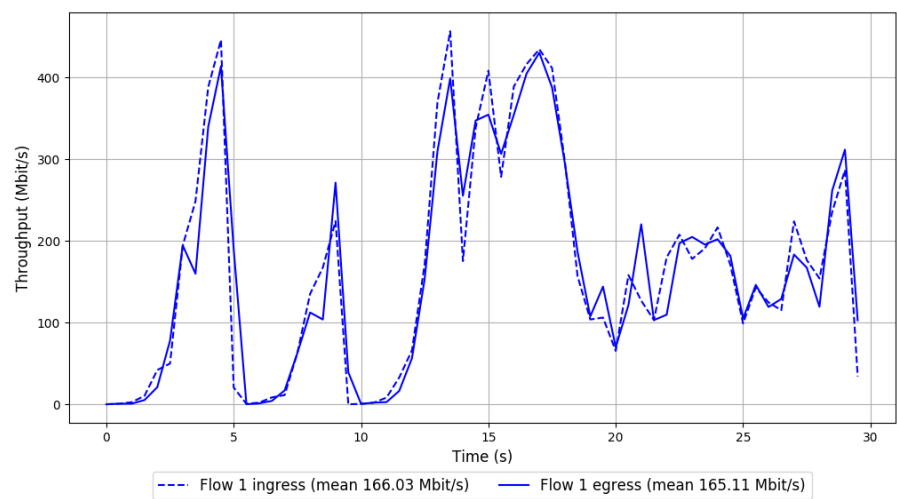
Average throughput: 165.11 Mbit/s

95th percentile per-packet one-way delay: 214.574 ms

Loss rate: 0.48%



Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-04-17 21:27:05

End at: 2018-04-17 21:27:35

# Below is generated by plot.py at 2018-04-18 00:50:02

# Datalink statistics

-- Total of 1 flow:

Average throughput: 80.87 Mbit/s

95th percentile per-packet one-way delay: 168.784 ms

Loss rate: 0.00%

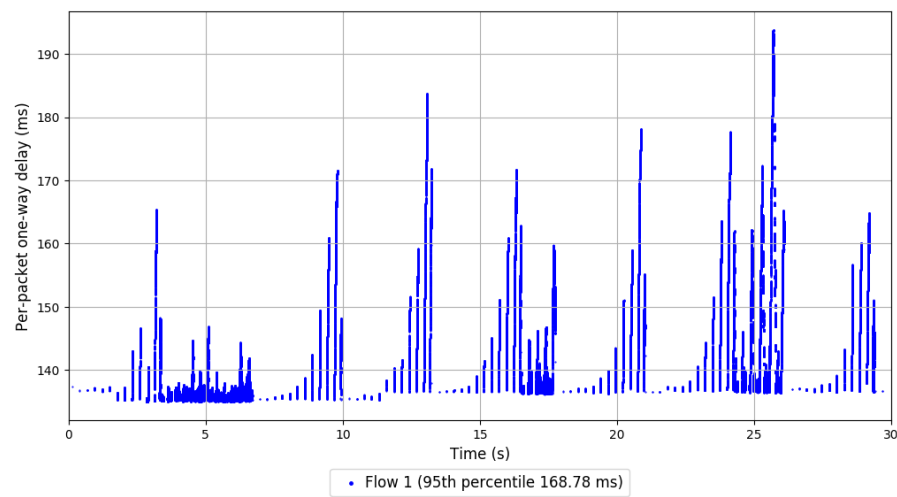
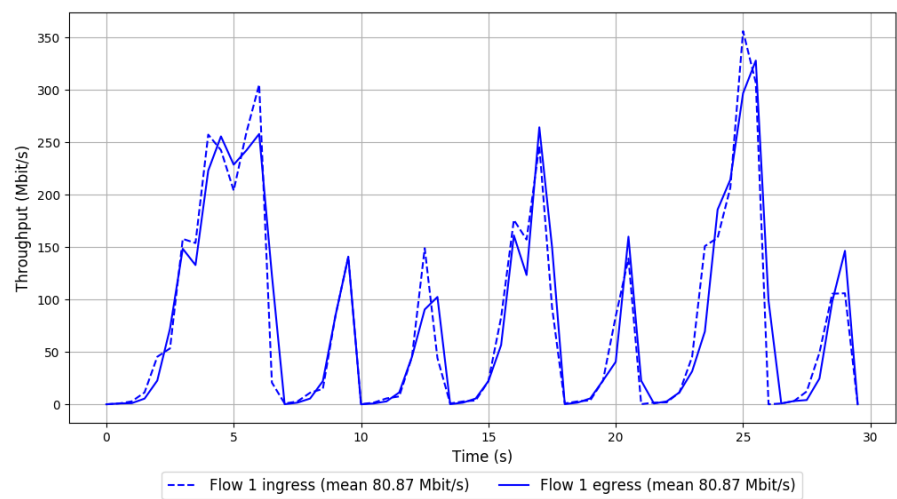
-- Flow 1:

Average throughput: 80.87 Mbit/s

95th percentile per-packet one-way delay: 168.784 ms

Loss rate: 0.00%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-04-17 21:41:21

End at: 2018-04-17 21:41:51

# Below is generated by plot.py at 2018-04-18 00:50:02

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.46 Mbit/s

95th percentile per-packet one-way delay: 277.743 ms

Loss rate: 3.75%

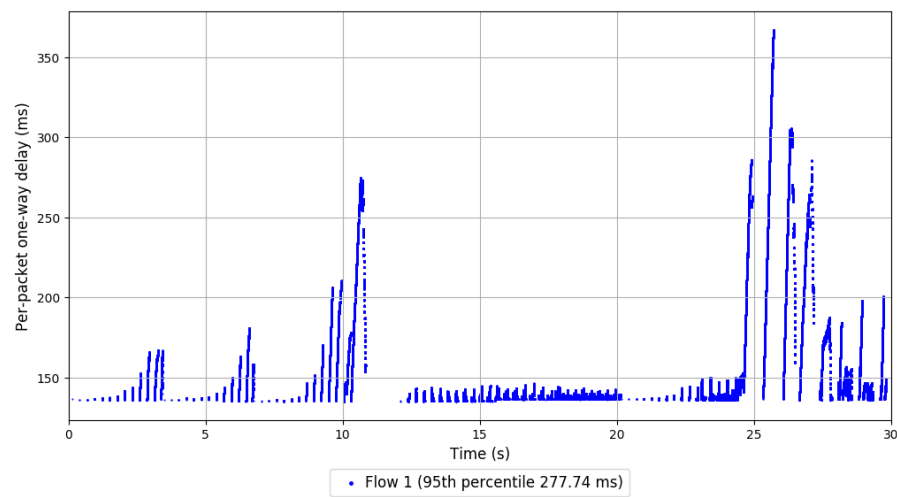
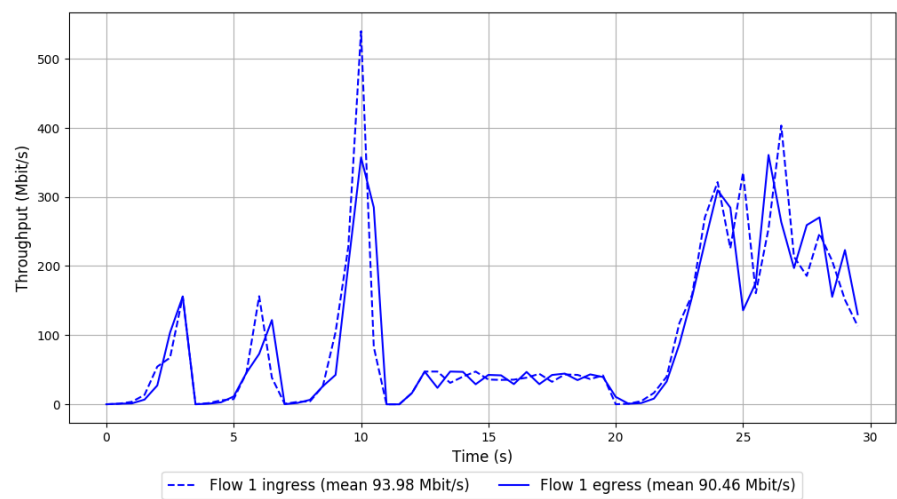
-- Flow 1:

Average throughput: 90.46 Mbit/s

95th percentile per-packet one-way delay: 277.743 ms

Loss rate: 3.75%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-04-17 21:55:40

End at: 2018-04-17 21:56:10

# Below is generated by plot.py at 2018-04-18 00:50:02

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.63 Mbit/s

95th percentile per-packet one-way delay: 259.421 ms

Loss rate: 2.14%

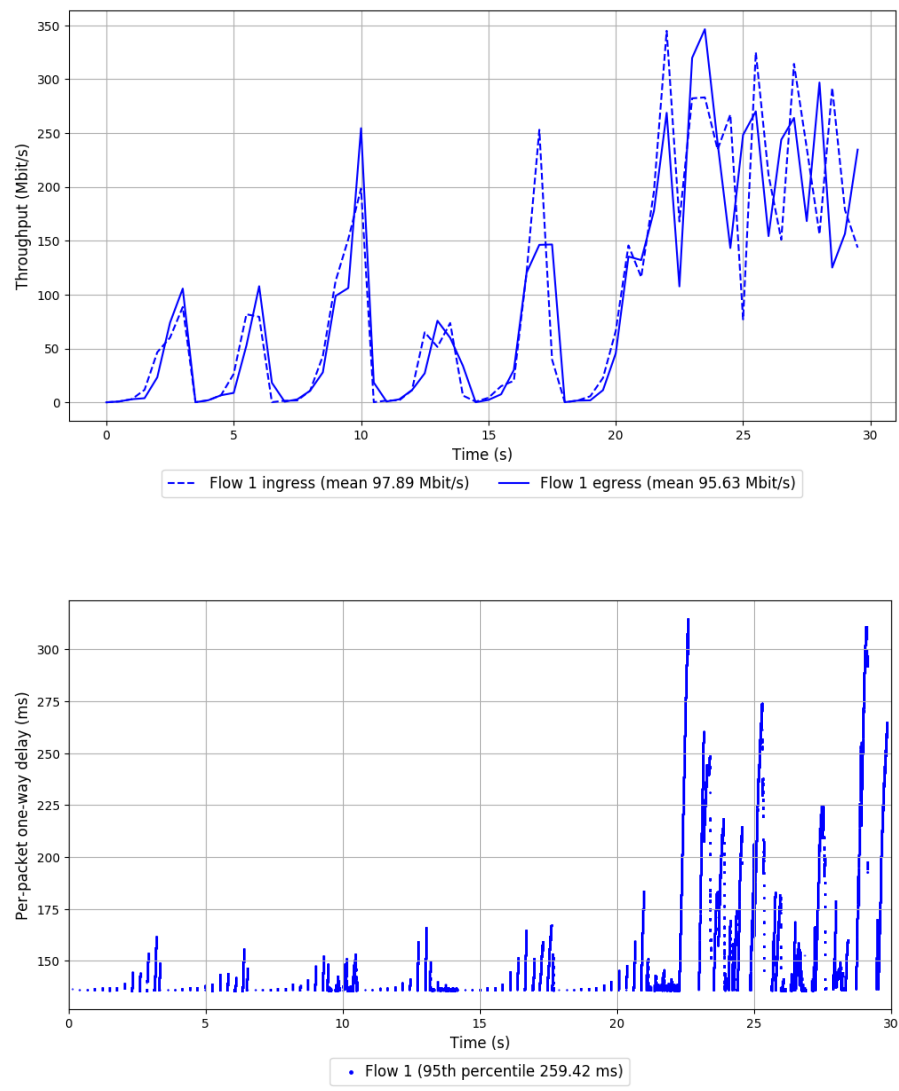
-- Flow 1:

Average throughput: 95.63 Mbit/s

95th percentile per-packet one-way delay: 259.421 ms

Loss rate: 2.14%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-04-17 22:09:54

End at: 2018-04-17 22:10:24

# Below is generated by plot.py at 2018-04-18 00:50:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 165.53 Mbit/s

95th percentile per-packet one-way delay: 194.216 ms

Loss rate: 0.00%

-- Flow 1:

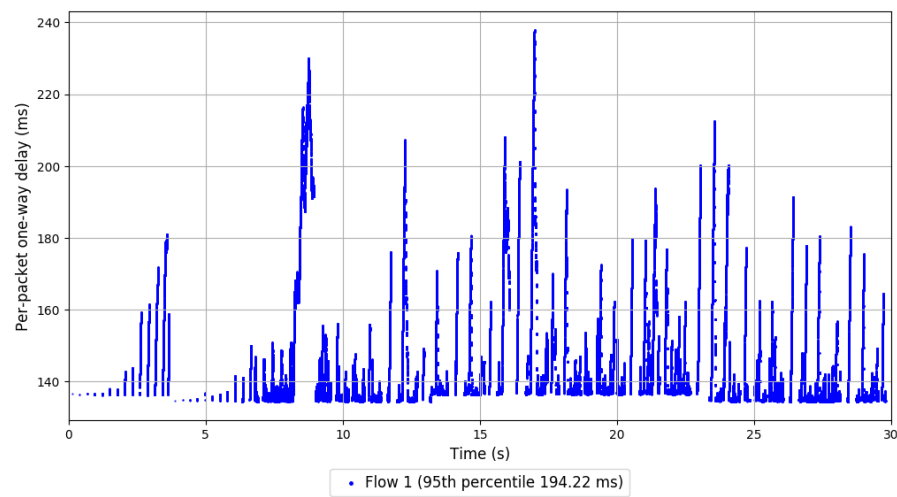
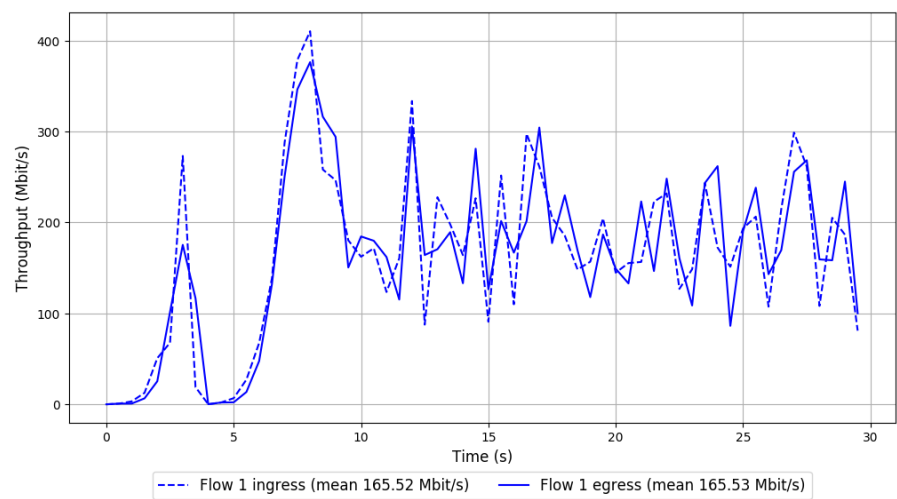
Average throughput: 165.53 Mbit/s

95th percentile per-packet one-way delay: 194.216 ms

Loss rate: 0.00%



Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-04-17 22:24:11

End at: 2018-04-17 22:24:41

# Below is generated by plot.py at 2018-04-18 00:50:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 108.61 Mbit/s

95th percentile per-packet one-way delay: 173.017 ms

Loss rate: 0.00%

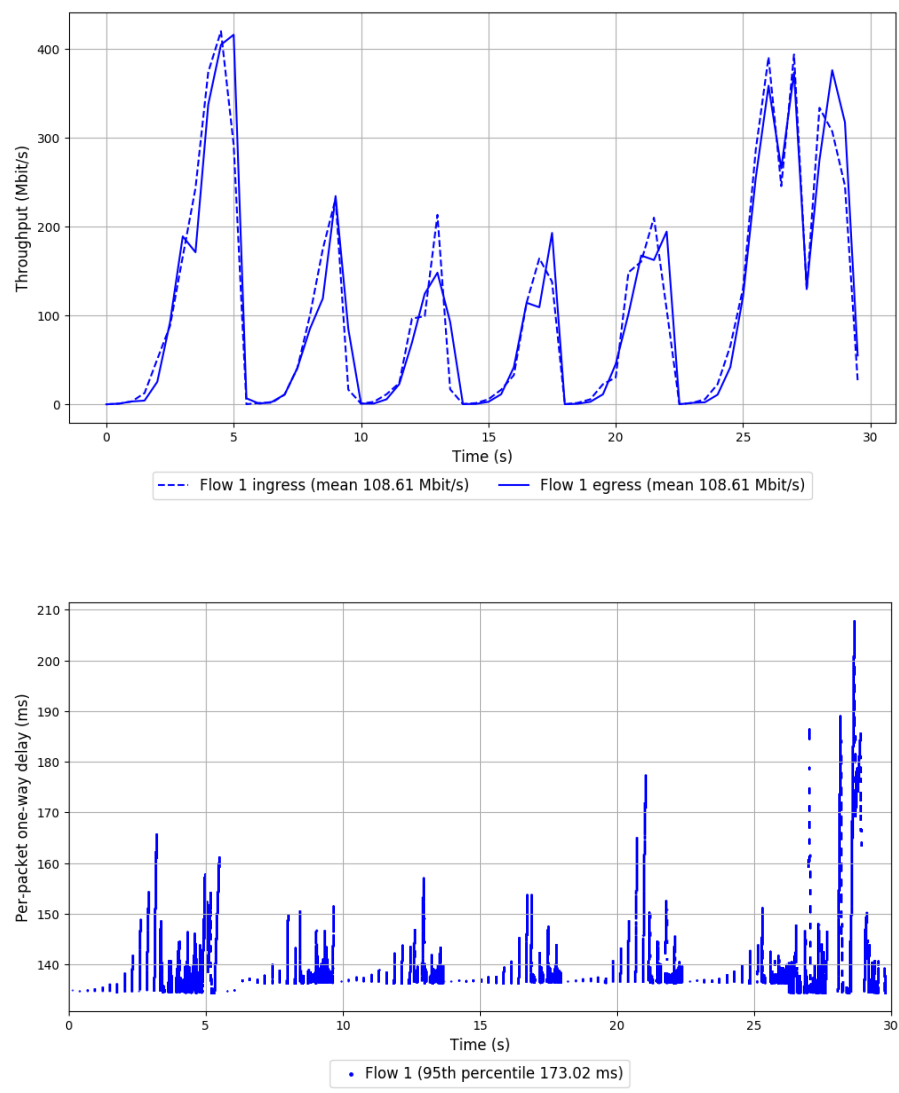
-- Flow 1:

Average throughput: 108.61 Mbit/s

95th percentile per-packet one-way delay: 173.017 ms

Loss rate: 0.00%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-04-17 22:38:15

End at: 2018-04-17 22:38:45

# Below is generated by plot.py at 2018-04-18 00:50:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 134.02 Mbit/s

95th percentile per-packet one-way delay: 148.947 ms

Loss rate: 0.00%

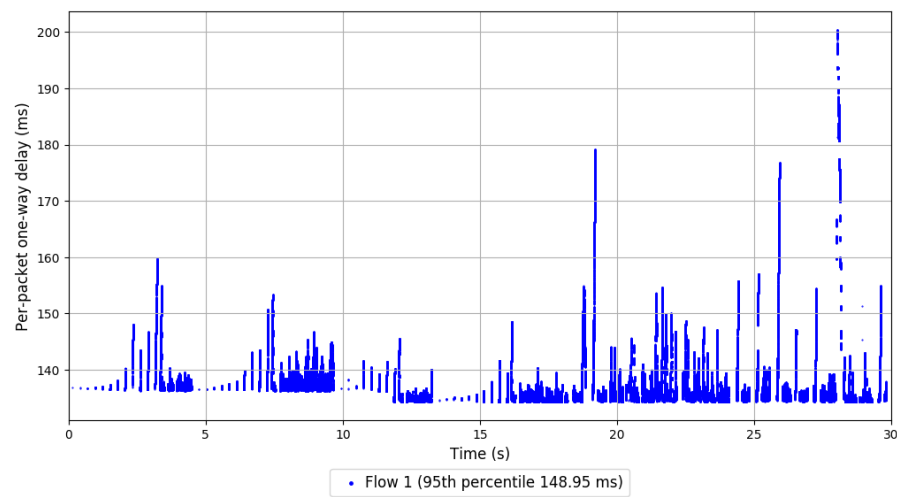
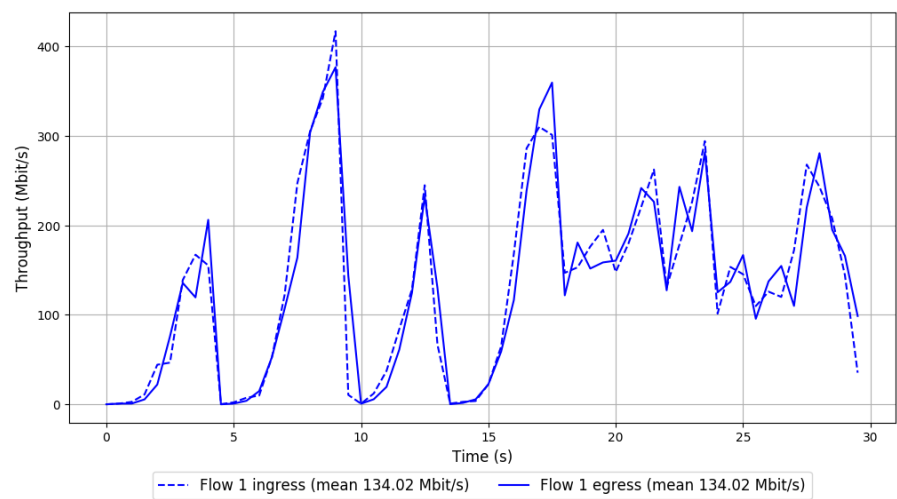
-- Flow 1:

Average throughput: 134.02 Mbit/s

95th percentile per-packet one-way delay: 148.947 ms

Loss rate: 0.00%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-04-17 22:52:23

End at: 2018-04-17 22:52:53

# Below is generated by plot.py at 2018-04-18 00:50:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 74.18 Mbit/s

95th percentile per-packet one-way delay: 151.555 ms

Loss rate: 0.00%

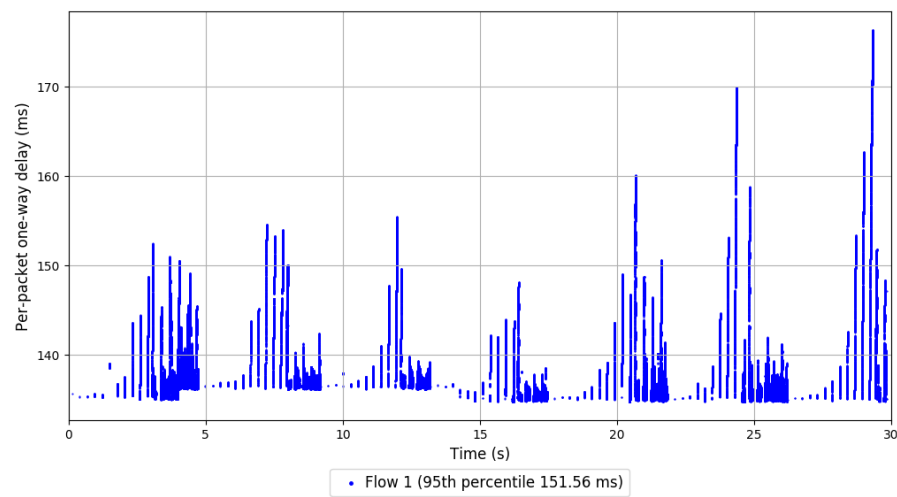
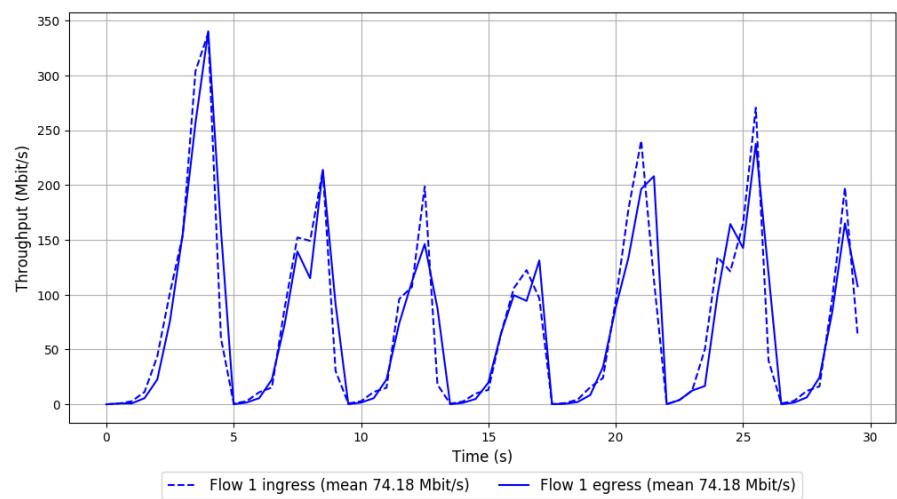
-- Flow 1:

Average throughput: 74.18 Mbit/s

95th percentile per-packet one-way delay: 151.555 ms

Loss rate: 0.00%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-04-17 23:06:34

End at: 2018-04-17 23:07:04

# Below is generated by plot.py at 2018-04-18 00:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 154.60 Mbit/s

95th percentile per-packet one-way delay: 242.301 ms

Loss rate: 1.57%

-- Flow 1:

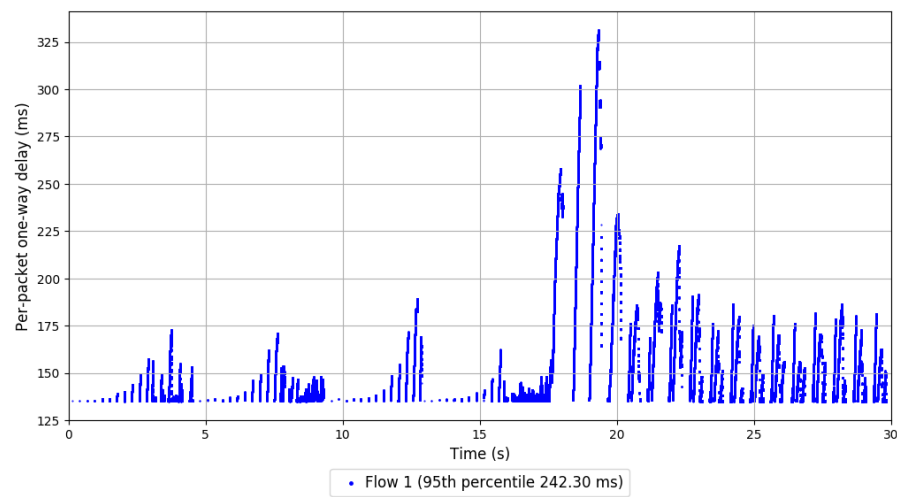
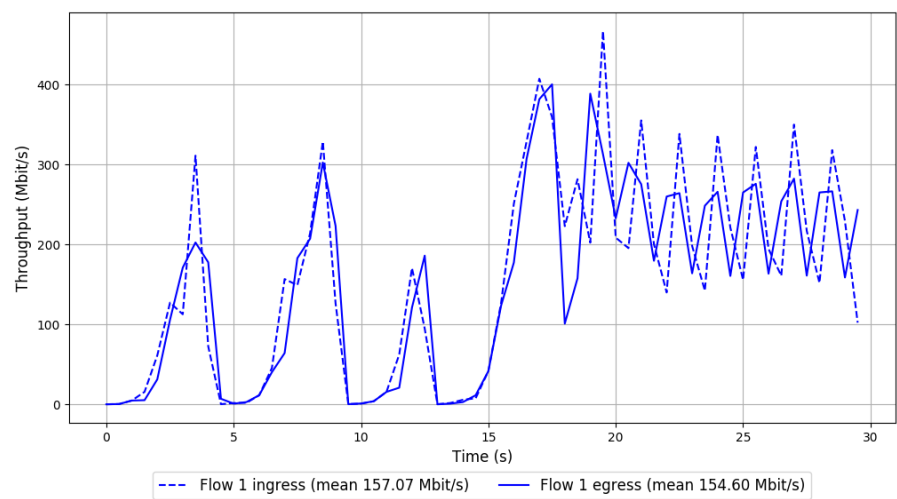
Average throughput: 154.60 Mbit/s

95th percentile per-packet one-way delay: 242.301 ms

Loss rate: 1.57%



Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-04-17 23:20:55

End at: 2018-04-17 23:21:25

# Below is generated by plot.py at 2018-04-18 00:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.49 Mbit/s

95th percentile per-packet one-way delay: 172.999 ms

Loss rate: 0.27%

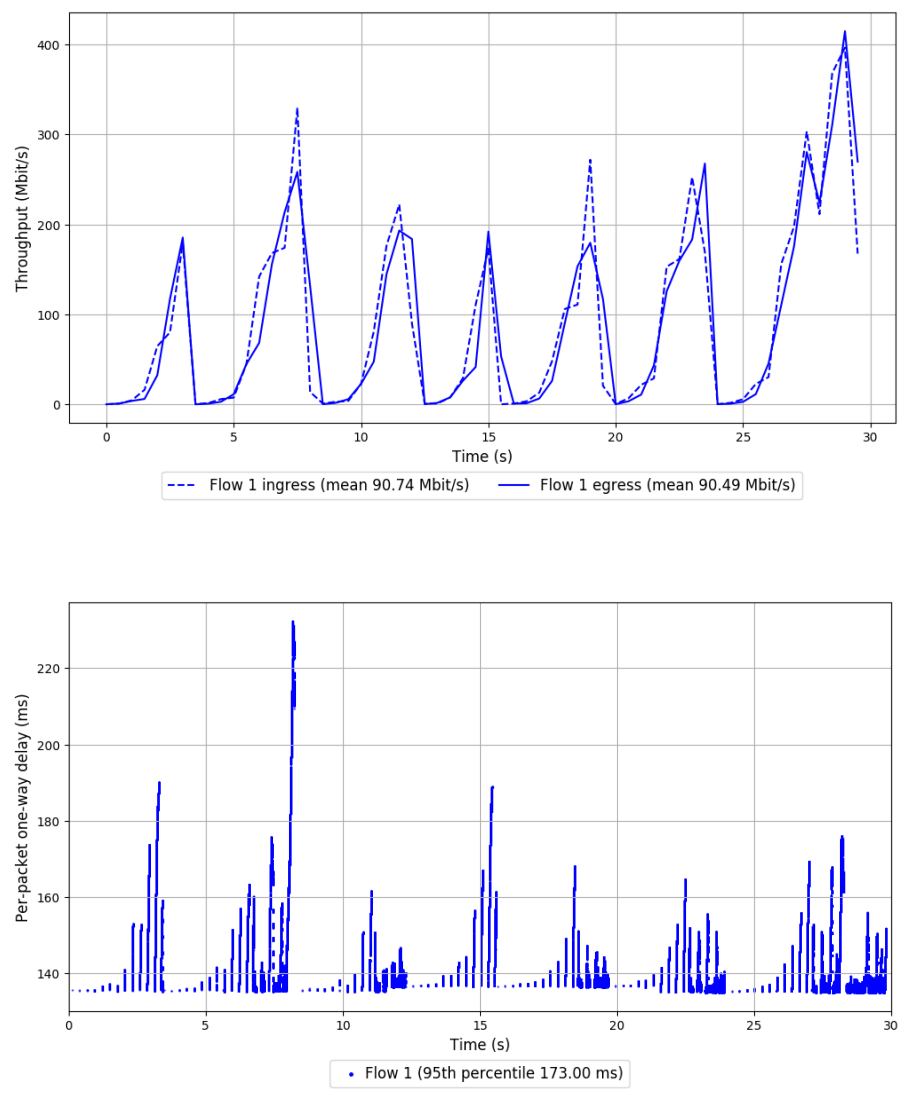
-- Flow 1:

Average throughput: 90.49 Mbit/s

95th percentile per-packet one-way delay: 172.999 ms

Loss rate: 0.27%

Run 10: Report of Verus — Data Link

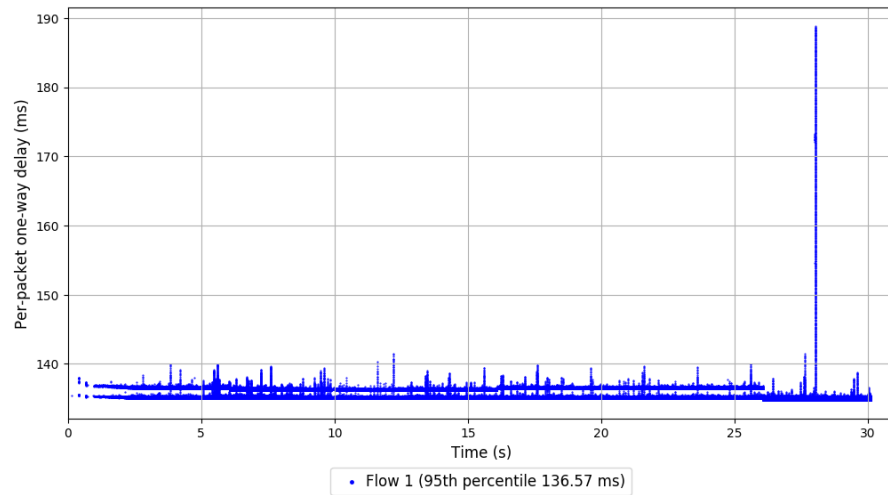
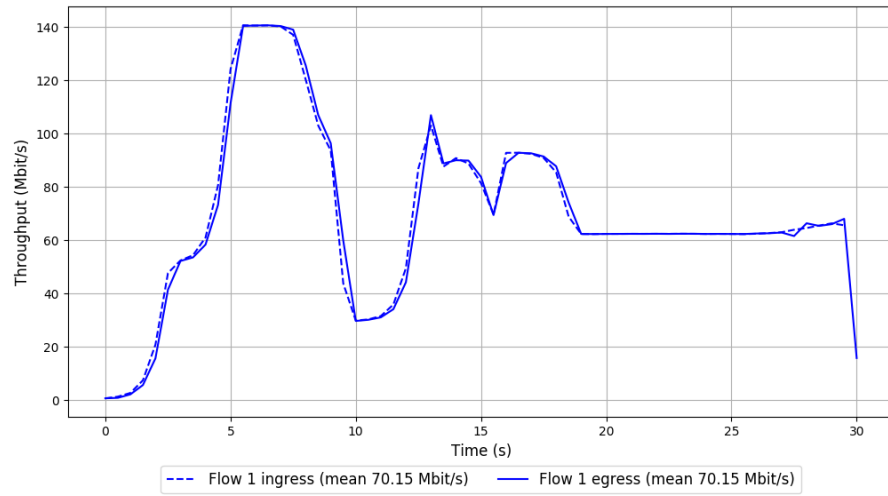


```
Run 1: Statistics of Copa

Start at: 2018-04-17 21:21:01
End at: 2018-04-17 21:21:31

# Below is generated by plot.py at 2018-04-18 00:51:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.15 Mbit/s
95th percentile per-packet one-way delay: 136.574 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.15 Mbit/s
95th percentile per-packet one-way delay: 136.574 ms
Loss rate: 0.00%
```

### Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-04-17 21:35:11

End at: 2018-04-17 21:35:41

# Below is generated by plot.py at 2018-04-18 00:51:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 71.98 Mbit/s

95th percentile per-packet one-way delay: 136.498 ms

Loss rate: 0.00%

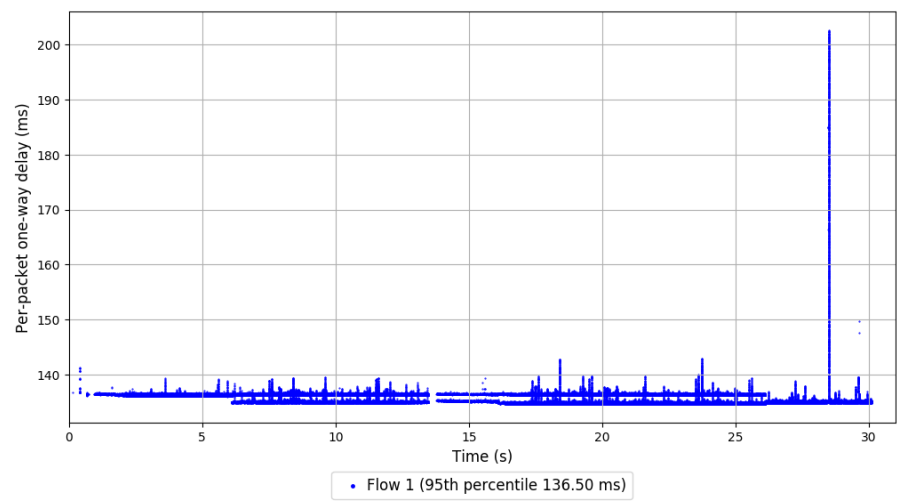
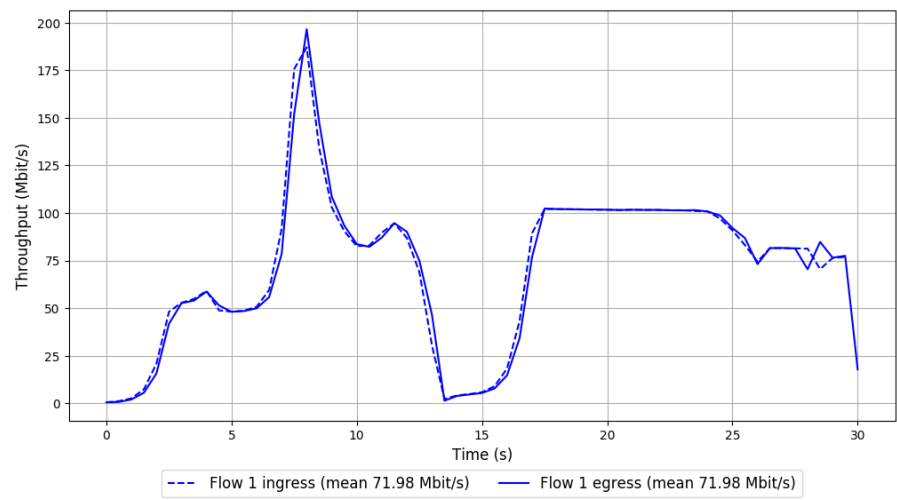
-- Flow 1:

Average throughput: 71.98 Mbit/s

95th percentile per-packet one-way delay: 136.498 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-04-17 21:49:30

End at: 2018-04-17 21:50:00

# Below is generated by plot.py at 2018-04-18 00:52:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 78.21 Mbit/s

95th percentile per-packet one-way delay: 135.766 ms

Loss rate: 0.00%

-- Flow 1:

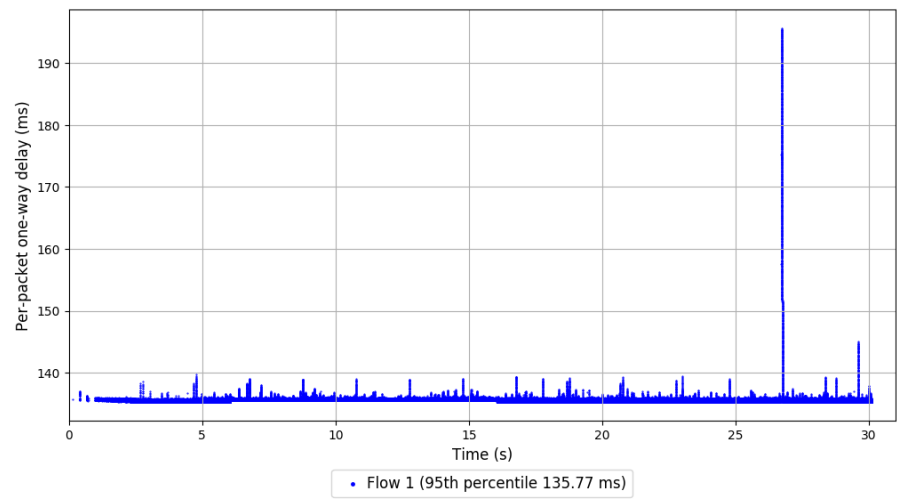
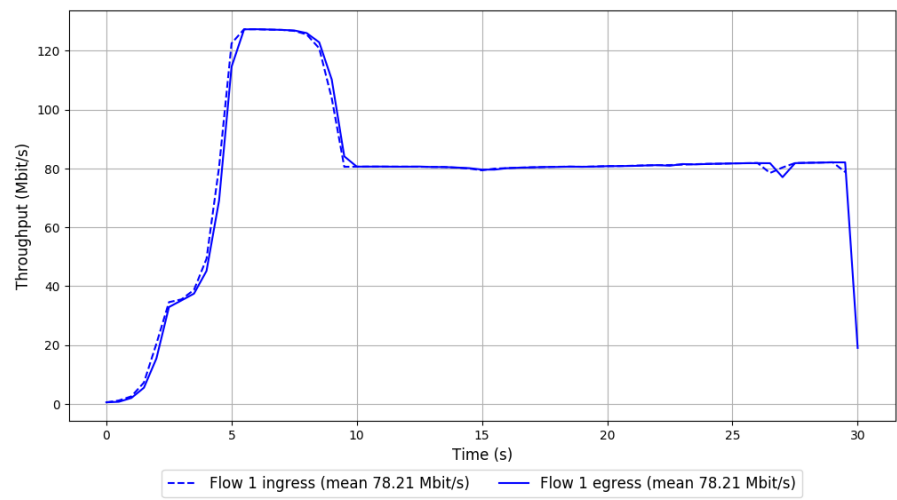
Average throughput: 78.21 Mbit/s

95th percentile per-packet one-way delay: 135.766 ms

Loss rate: 0.00%



Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-04-17 22:03:45

End at: 2018-04-17 22:04:15

# Below is generated by plot.py at 2018-04-18 00:52:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 62.92 Mbit/s

95th percentile per-packet one-way delay: 136.378 ms

Loss rate: 0.00%

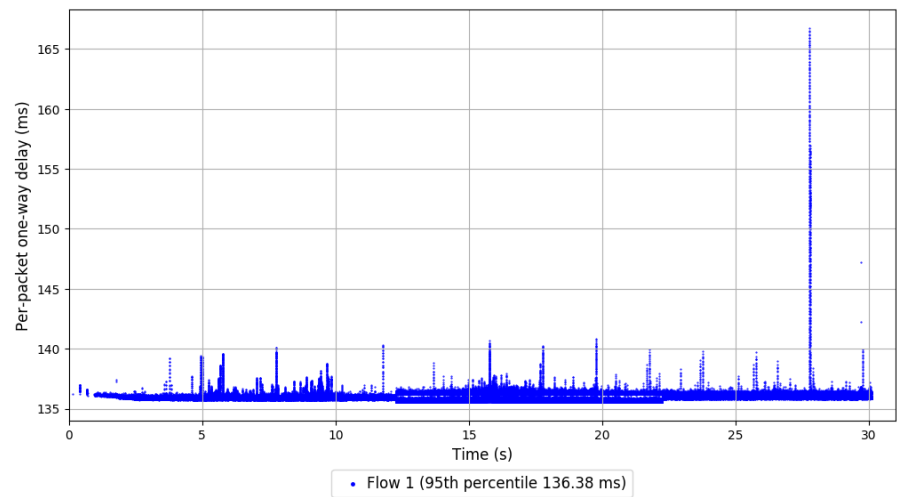
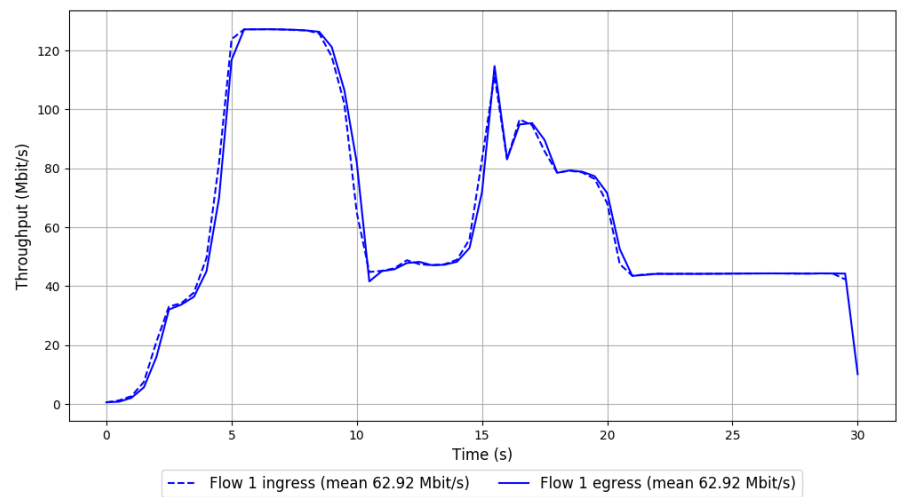
-- Flow 1:

Average throughput: 62.92 Mbit/s

95th percentile per-packet one-way delay: 136.378 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-04-17 22:18:03

End at: 2018-04-17 22:18:33

# Below is generated by plot.py at 2018-04-18 00:52:22

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.44 Mbit/s

95th percentile per-packet one-way delay: 136.534 ms

Loss rate: 0.00%

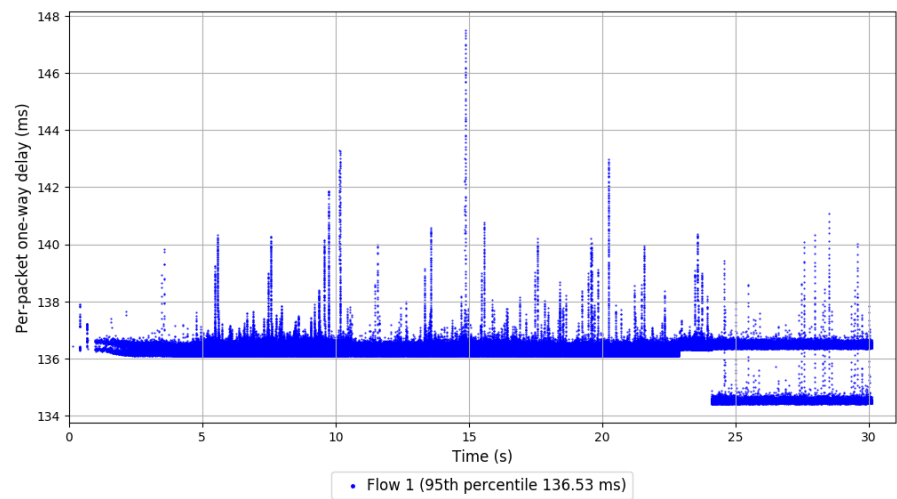
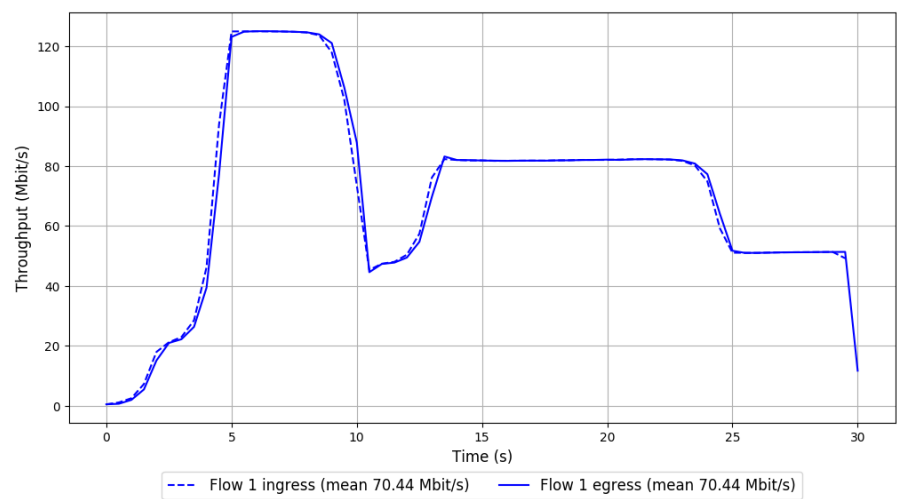
-- Flow 1:

Average throughput: 70.44 Mbit/s

95th percentile per-packet one-way delay: 136.534 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-04-17 22:32:06

End at: 2018-04-17 22:32:36

# Below is generated by plot.py at 2018-04-18 00:52:22

# Datalink statistics

-- Total of 1 flow:

Average throughput: 62.30 Mbit/s

95th percentile per-packet one-way delay: 136.532 ms

Loss rate: 0.00%

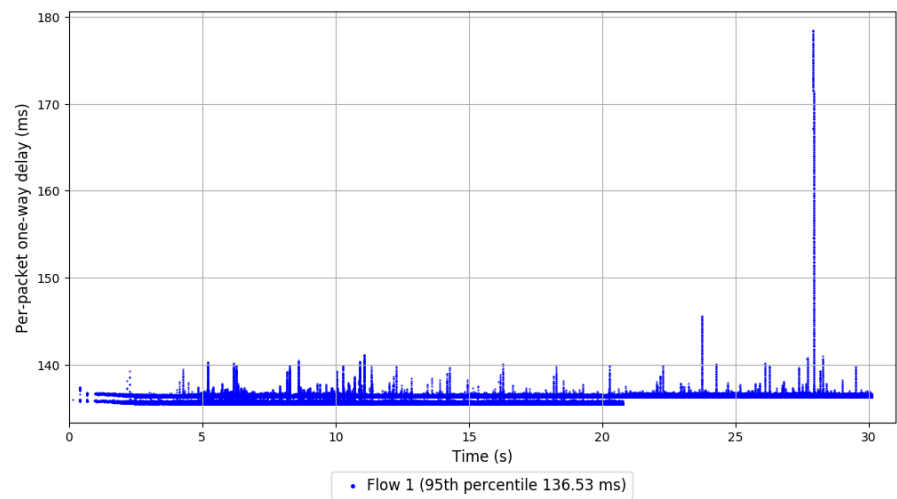
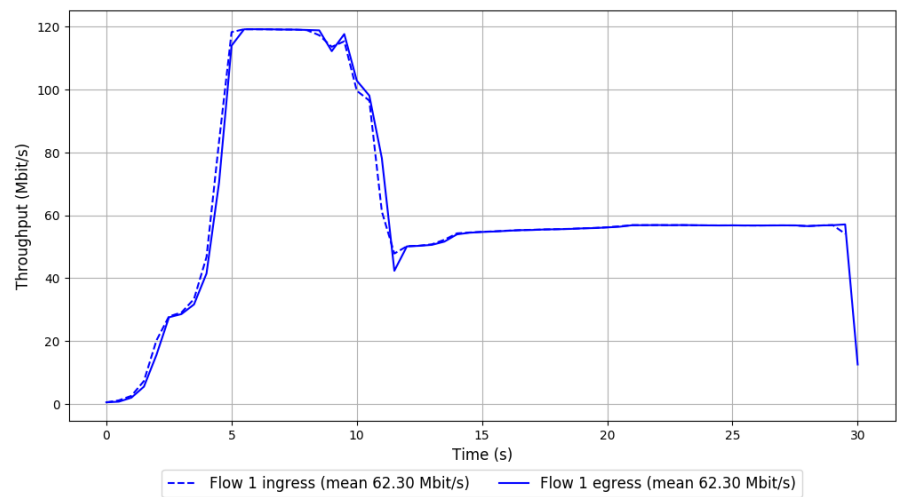
-- Flow 1:

Average throughput: 62.30 Mbit/s

95th percentile per-packet one-way delay: 136.532 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-04-17 22:46:09

End at: 2018-04-17 22:46:39

# Below is generated by plot.py at 2018-04-18 00:53:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 75.55 Mbit/s

95th percentile per-packet one-way delay: 136.659 ms

Loss rate: 0.00%

-- Flow 1:

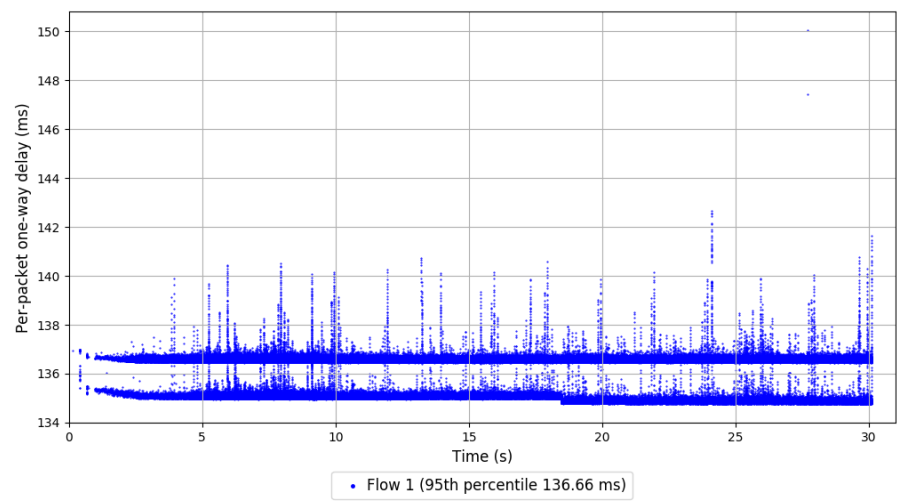
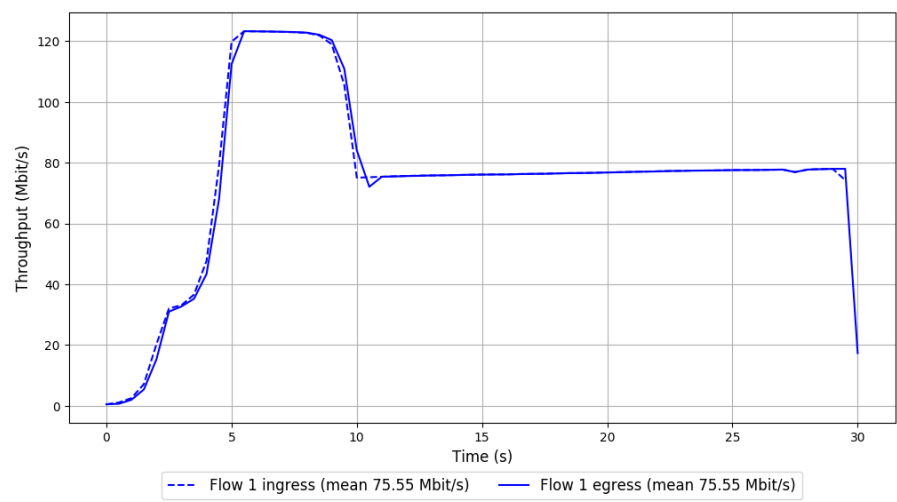
Average throughput: 75.55 Mbit/s

95th percentile per-packet one-way delay: 136.659 ms

Loss rate: 0.00%



Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-04-17 23:00:30

End at: 2018-04-17 23:01:00

# Below is generated by plot.py at 2018-04-18 00:53:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 75.52 Mbit/s

95th percentile per-packet one-way delay: 136.322 ms

Loss rate: 0.00%

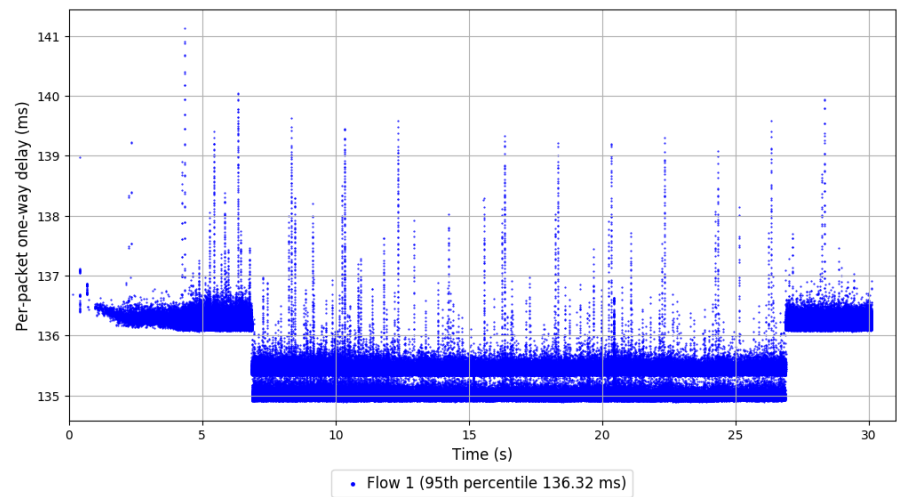
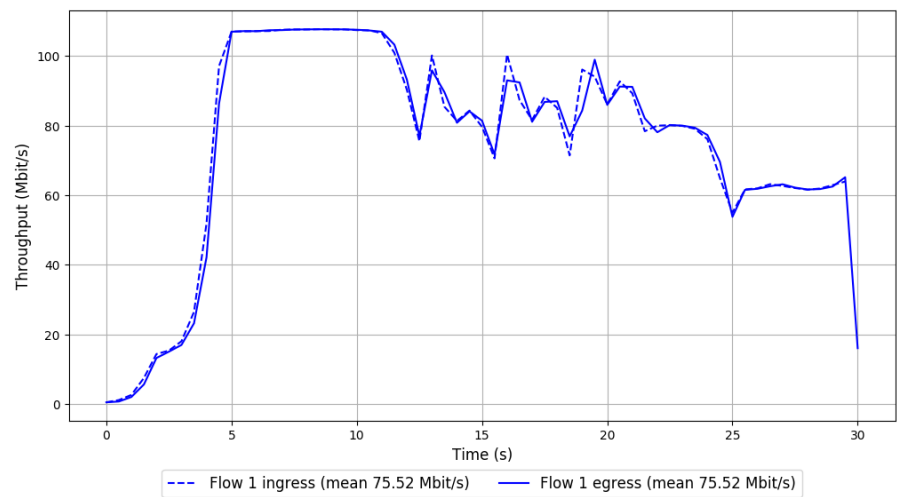
-- Flow 1:

Average throughput: 75.52 Mbit/s

95th percentile per-packet one-way delay: 136.322 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-04-17 23:14:44

End at: 2018-04-17 23:15:14

# Below is generated by plot.py at 2018-04-18 00:53:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.12 Mbit/s

95th percentile per-packet one-way delay: 136.423 ms

Loss rate: 0.00%

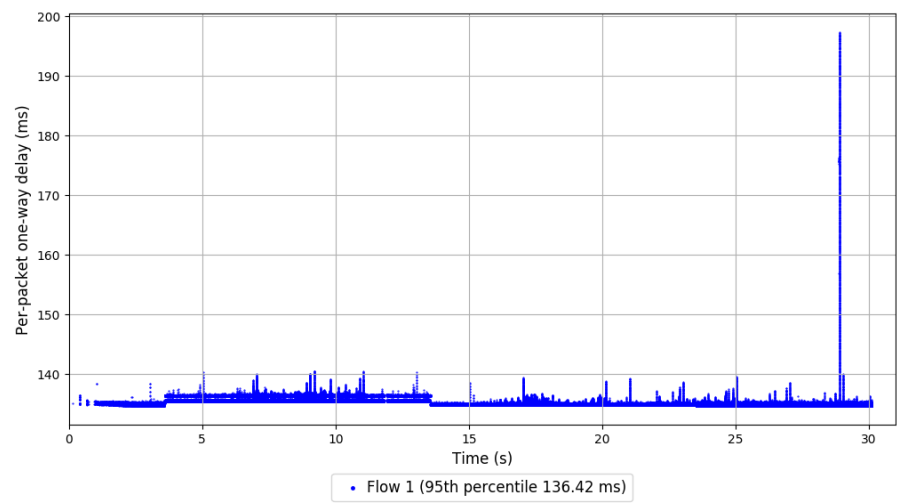
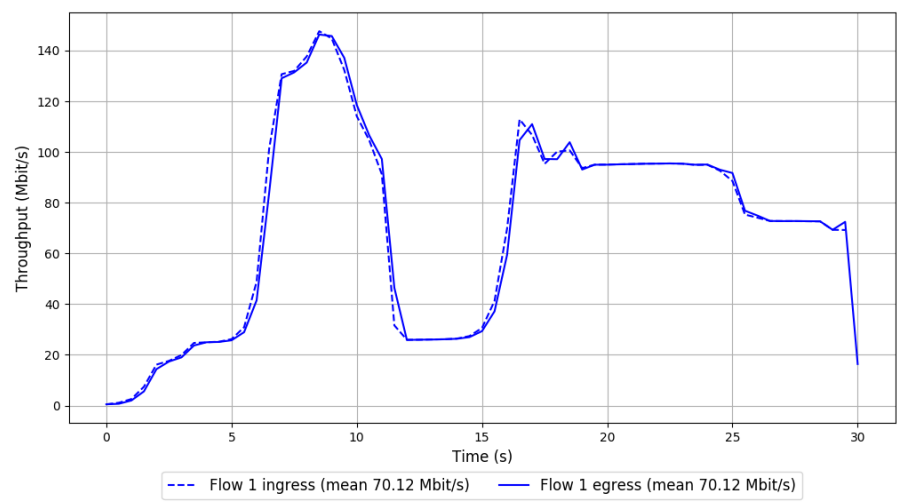
-- Flow 1:

Average throughput: 70.12 Mbit/s

95th percentile per-packet one-way delay: 136.423 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-04-17 23:28:43

End at: 2018-04-17 23:29:13

# Below is generated by plot.py at 2018-04-18 00:53:49

# Datalink statistics

-- Total of 1 flow:

Average throughput: 75.43 Mbit/s

95th percentile per-packet one-way delay: 136.404 ms

Loss rate: 0.00%

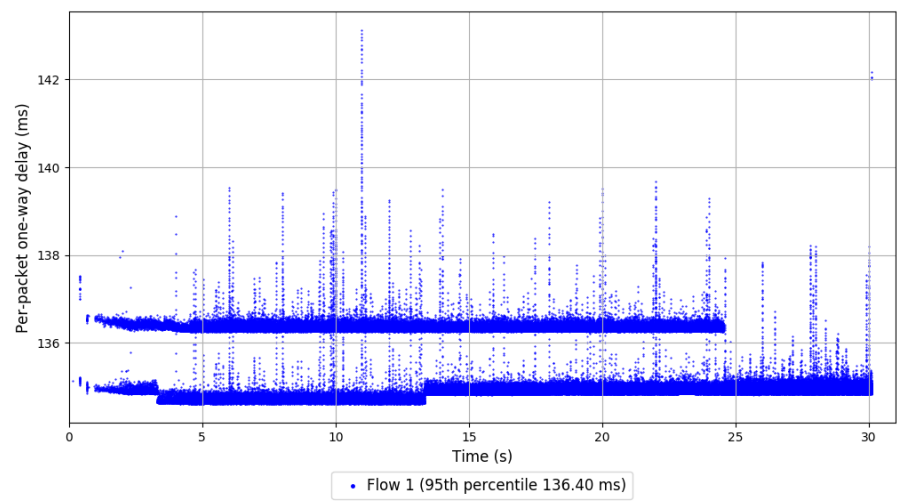
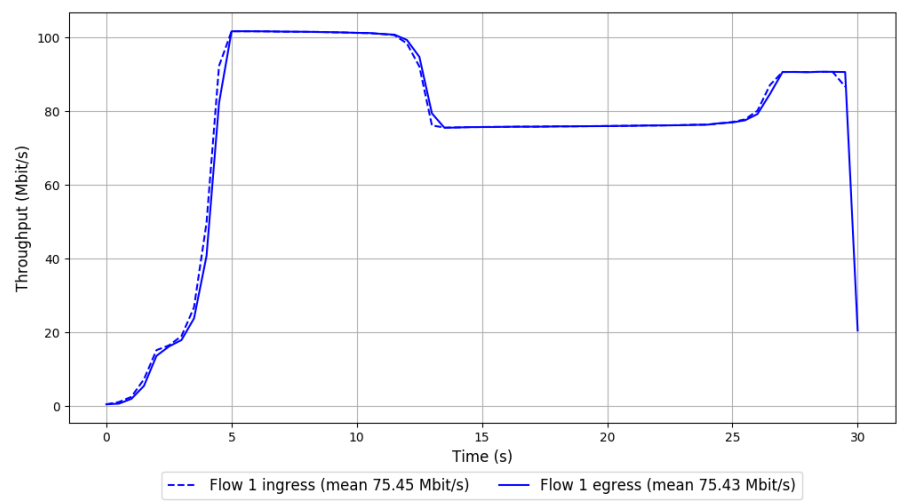
-- Flow 1:

Average throughput: 75.43 Mbit/s

95th percentile per-packet one-way delay: 136.404 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link



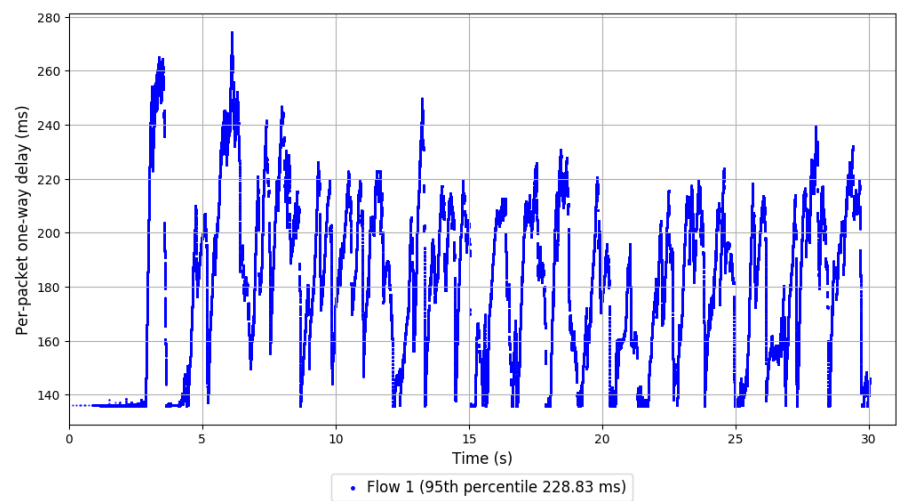
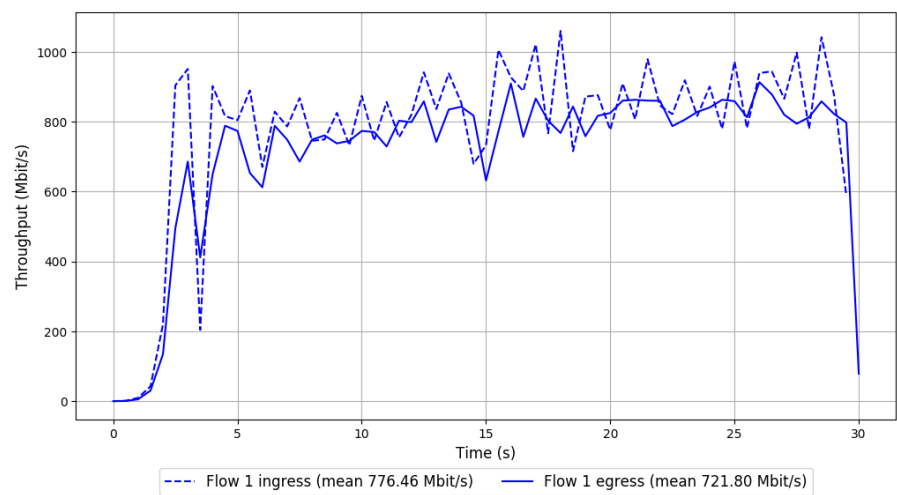
```
Run 1: Statistics of FillP

Start at: 2018-04-17 21:09:13
End at: 2018-04-17 21:09:43

# Below is generated by plot.py at 2018-04-18 01:05:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 721.80 Mbit/s
95th percentile per-packet one-way delay: 228.832 ms
Loss rate: 7.04%
-- Flow 1:
Average throughput: 721.80 Mbit/s
95th percentile per-packet one-way delay: 228.832 ms
Loss rate: 7.04%
```



Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-04-17 21:23:17

End at: 2018-04-17 21:23:47

# Below is generated by plot.py at 2018-04-18 01:05:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 738.77 Mbit/s

95th percentile per-packet one-way delay: 225.875 ms

Loss rate: 6.81%

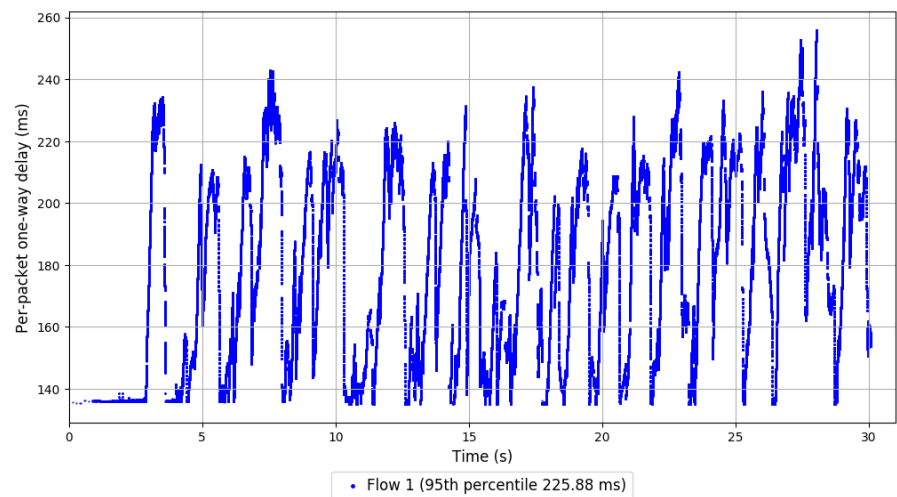
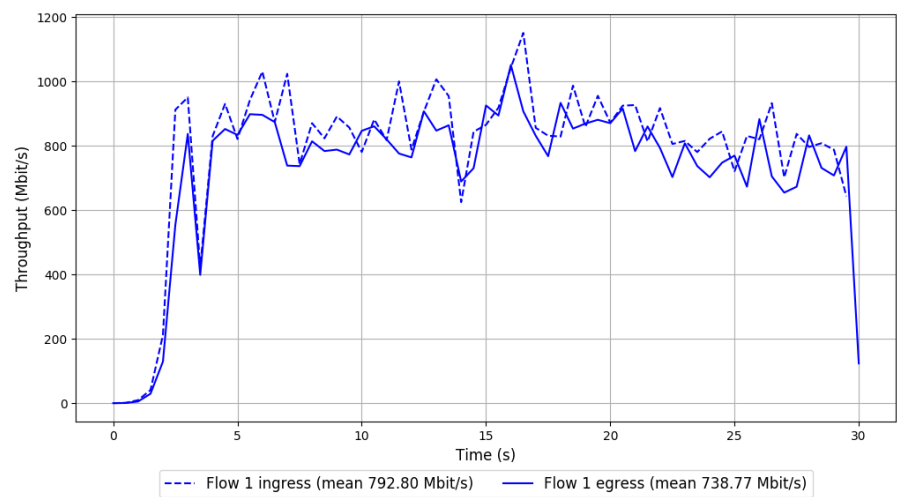
-- Flow 1:

Average throughput: 738.77 Mbit/s

95th percentile per-packet one-way delay: 225.875 ms

Loss rate: 6.81%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-04-17 21:37:27

End at: 2018-04-17 21:37:57

# Below is generated by plot.py at 2018-04-18 01:05:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 730.10 Mbit/s

95th percentile per-packet one-way delay: 226.751 ms

Loss rate: 7.40%

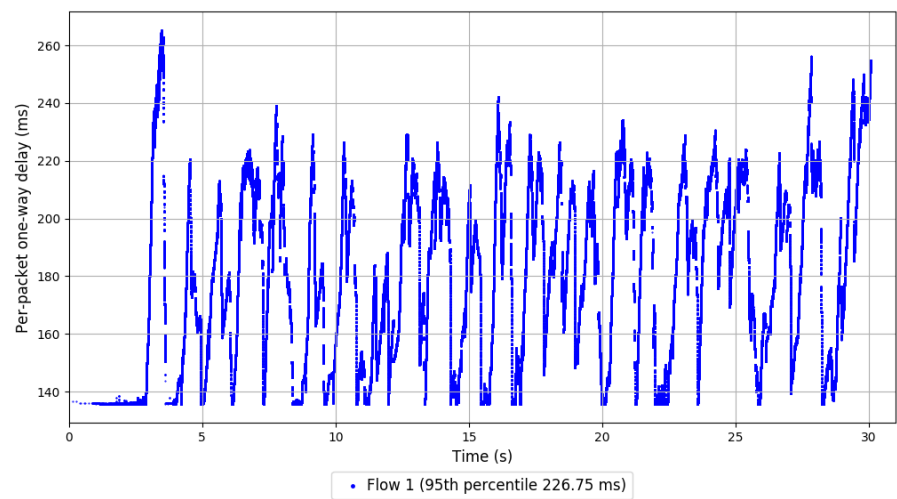
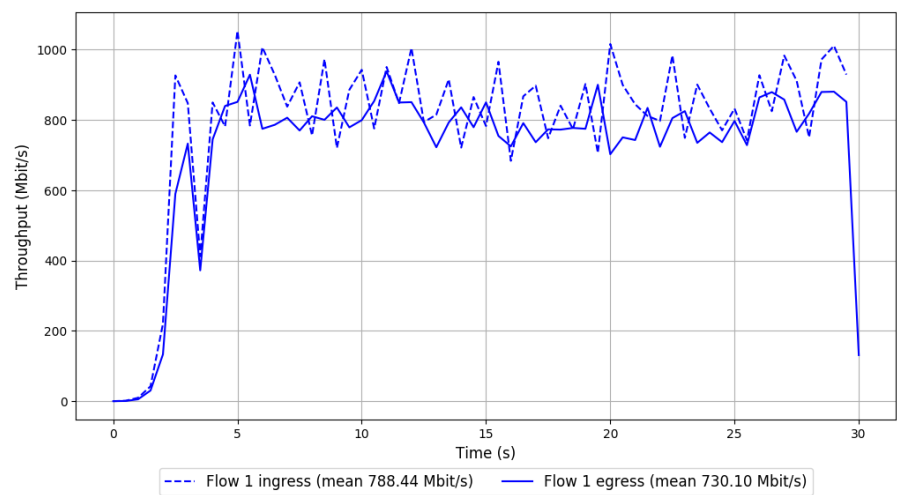
-- Flow 1:

Average throughput: 730.10 Mbit/s

95th percentile per-packet one-way delay: 226.751 ms

Loss rate: 7.40%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-04-17 21:51:46

End at: 2018-04-17 21:52:16

# Below is generated by plot.py at 2018-04-18 01:05:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 717.88 Mbit/s

95th percentile per-packet one-way delay: 229.743 ms

Loss rate: 8.79%

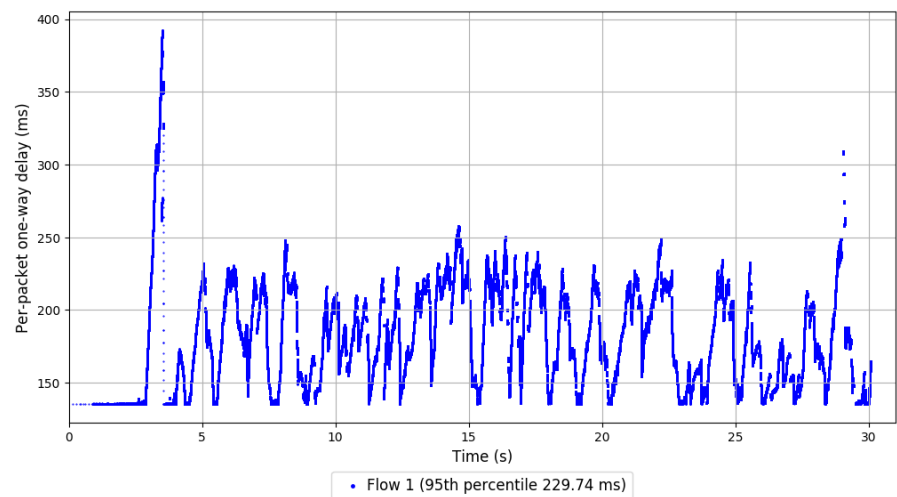
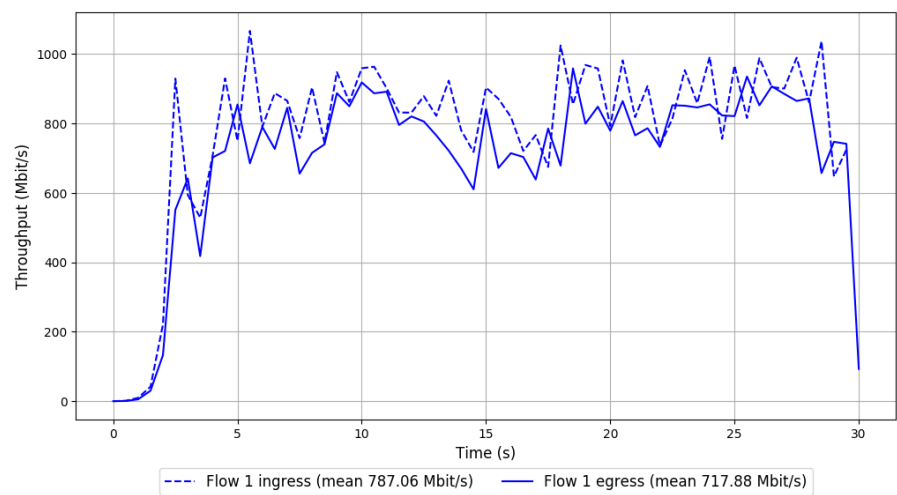
-- Flow 1:

Average throughput: 717.88 Mbit/s

95th percentile per-packet one-way delay: 229.743 ms

Loss rate: 8.79%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-04-17 22:05:59

End at: 2018-04-17 22:06:29

# Below is generated by plot.py at 2018-04-18 01:05:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 720.49 Mbit/s

95th percentile per-packet one-way delay: 227.551 ms

Loss rate: 6.94%

-- Flow 1:

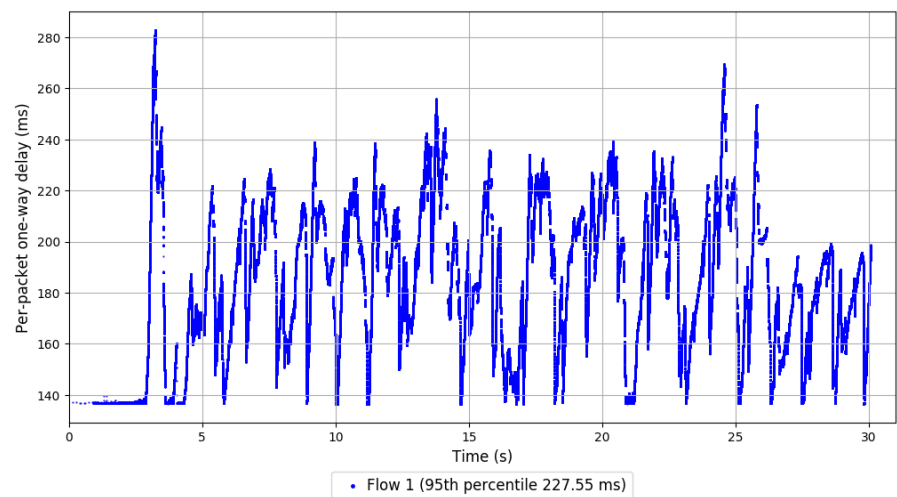
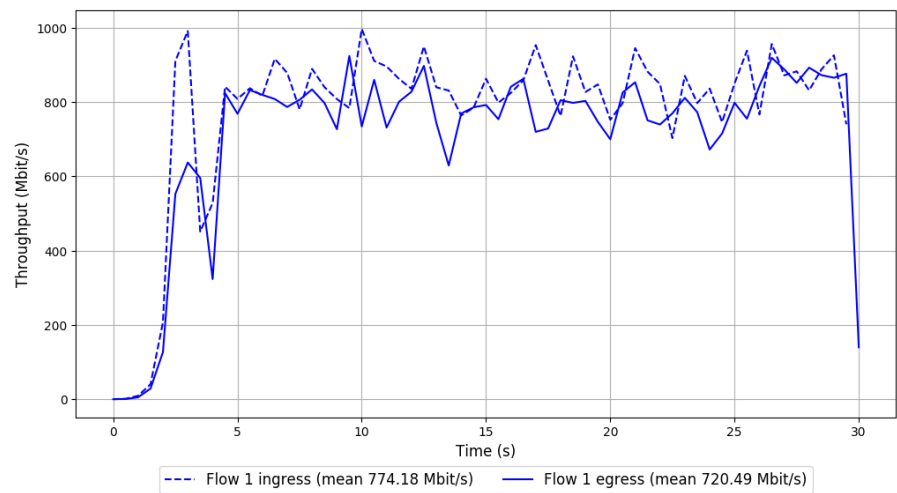
Average throughput: 720.49 Mbit/s

95th percentile per-packet one-way delay: 227.551 ms

Loss rate: 6.94%



Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-04-17 22:20:19

End at: 2018-04-17 22:20:49

# Below is generated by plot.py at 2018-04-18 01:06:16

# Datalink statistics

-- Total of 1 flow:

Average throughput: 713.84 Mbit/s

95th percentile per-packet one-way delay: 229.209 ms

Loss rate: 8.69%

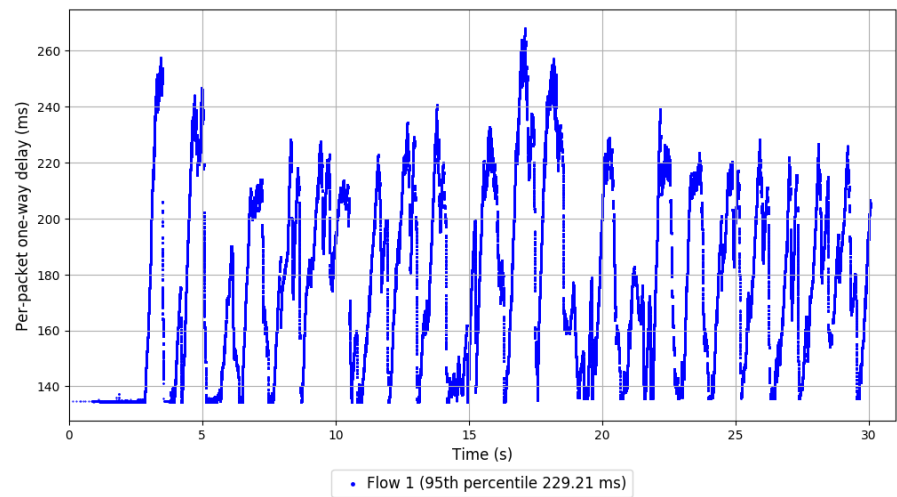
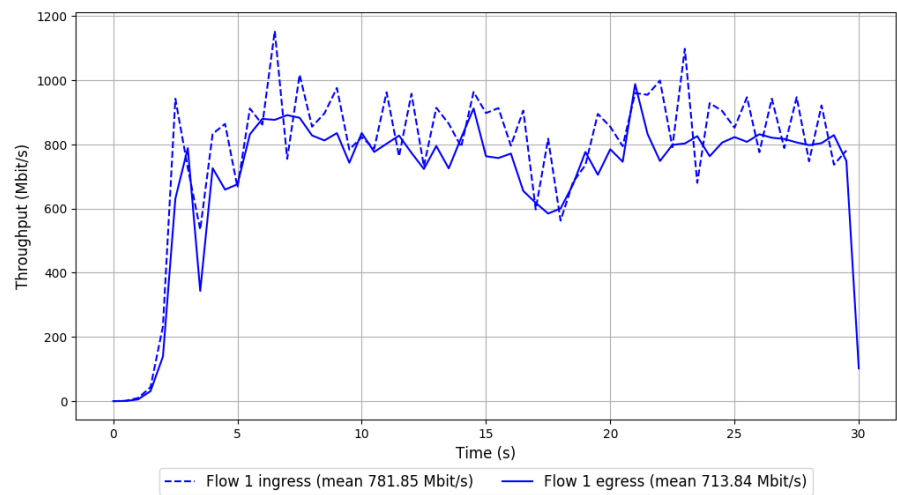
-- Flow 1:

Average throughput: 713.84 Mbit/s

95th percentile per-packet one-way delay: 229.209 ms

Loss rate: 8.69%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-04-17 22:34:21

End at: 2018-04-17 22:34:51

# Below is generated by plot.py at 2018-04-18 01:06:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 711.52 Mbit/s

95th percentile per-packet one-way delay: 227.736 ms

Loss rate: 7.53%

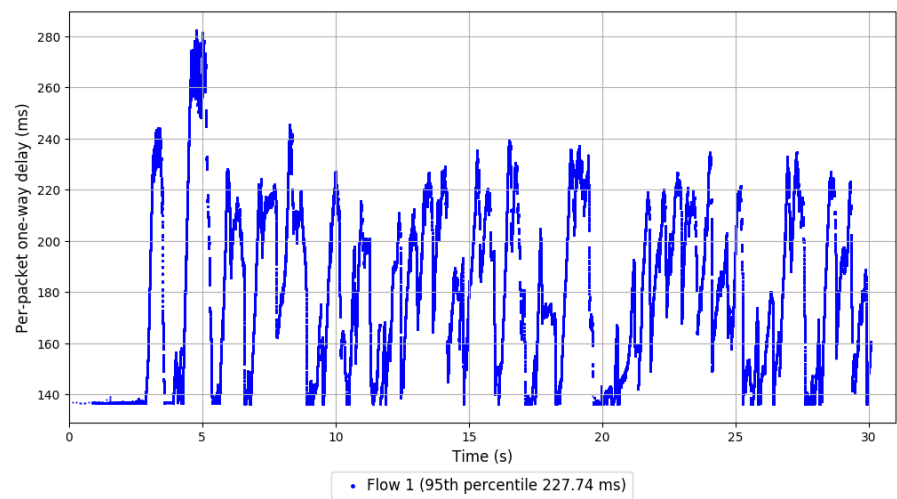
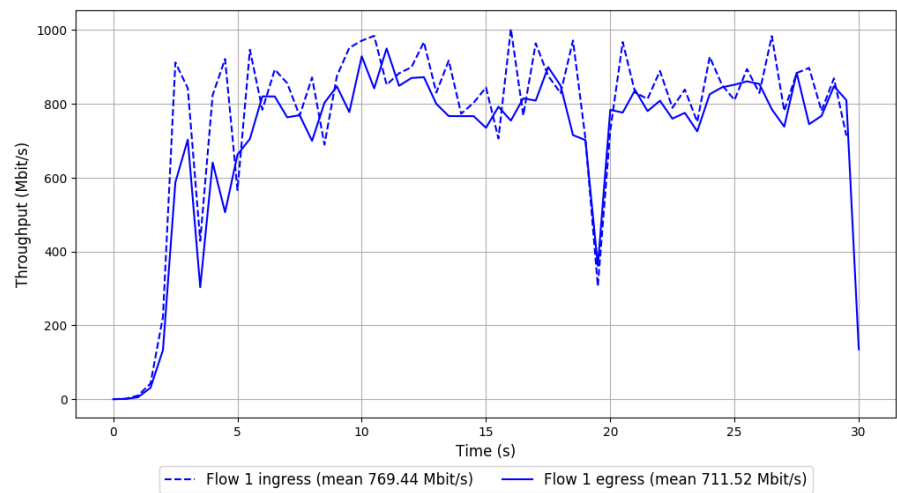
-- Flow 1:

Average throughput: 711.52 Mbit/s

95th percentile per-packet one-way delay: 227.736 ms

Loss rate: 7.53%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-04-17 22:48:25

End at: 2018-04-17 22:48:55

# Below is generated by plot.py at 2018-04-18 01:07:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 736.78 Mbit/s

95th percentile per-packet one-way delay: 226.713 ms

Loss rate: 7.57%

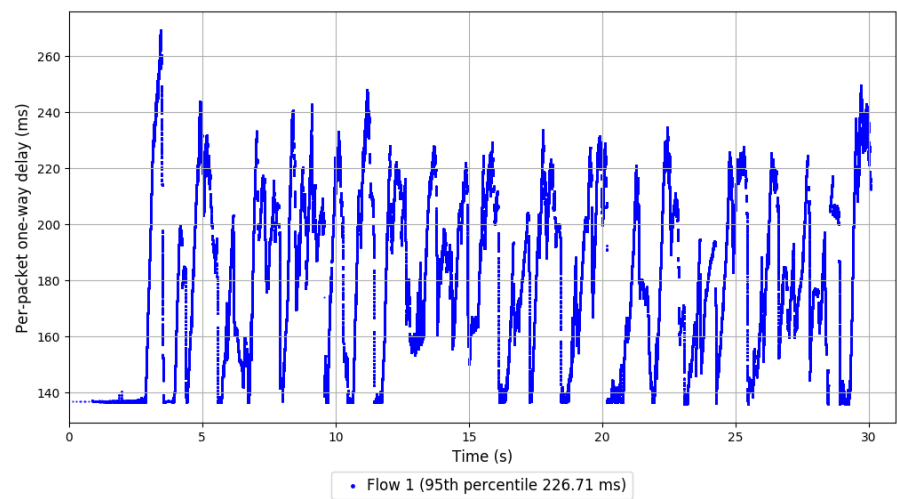
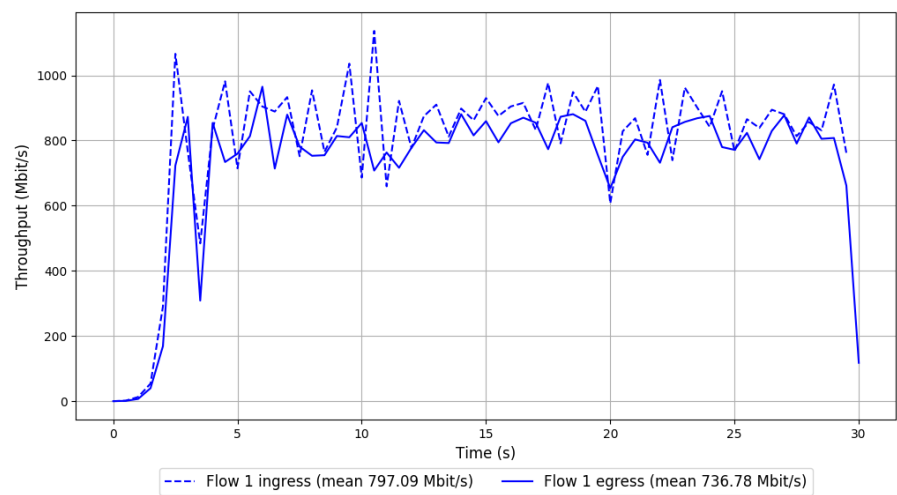
-- Flow 1:

Average throughput: 736.78 Mbit/s

95th percentile per-packet one-way delay: 226.713 ms

Loss rate: 7.57%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-04-17 23:02:46

End at: 2018-04-17 23:03:16

# Below is generated by plot.py at 2018-04-18 01:17:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 720.95 Mbit/s

95th percentile per-packet one-way delay: 233.513 ms

Loss rate: 8.35%

-- Flow 1:

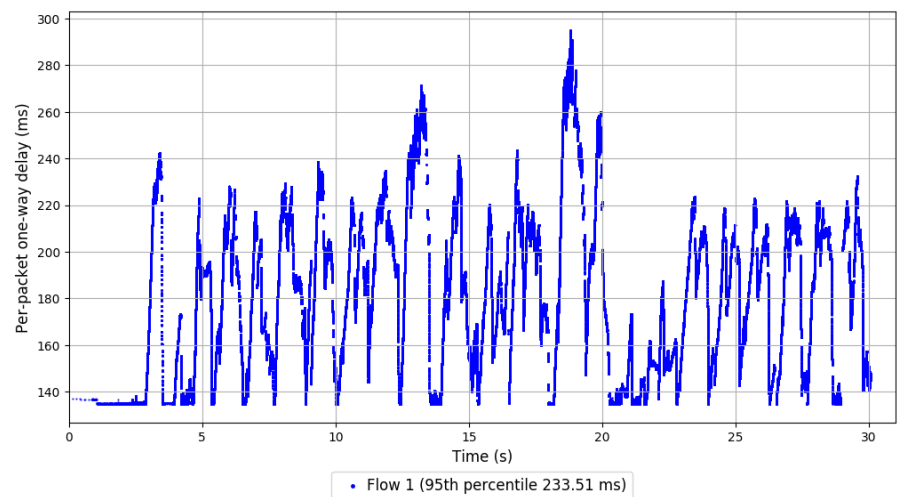
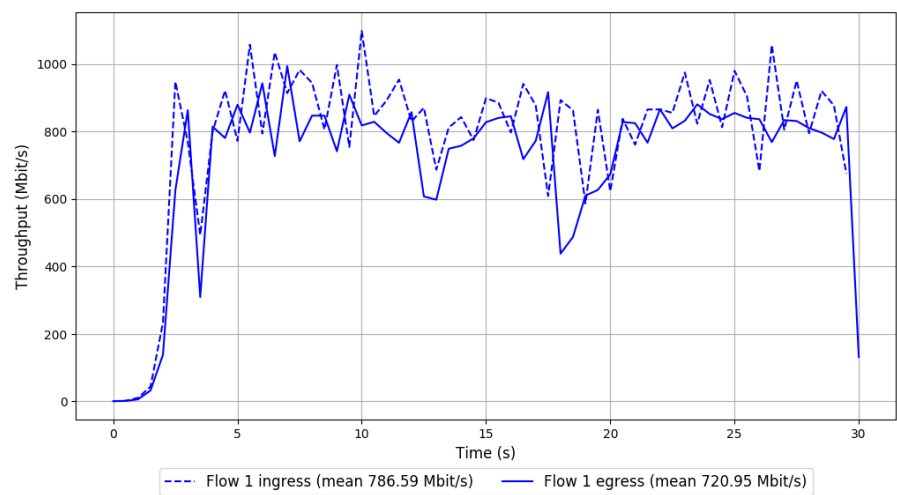
Average throughput: 720.95 Mbit/s

95th percentile per-packet one-way delay: 233.513 ms

Loss rate: 8.35%



Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-04-17 23:16:59

End at: 2018-04-17 23:17:29

# Below is generated by plot.py at 2018-04-18 01:17:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 698.15 Mbit/s

95th percentile per-packet one-way delay: 225.374 ms

Loss rate: 7.91%

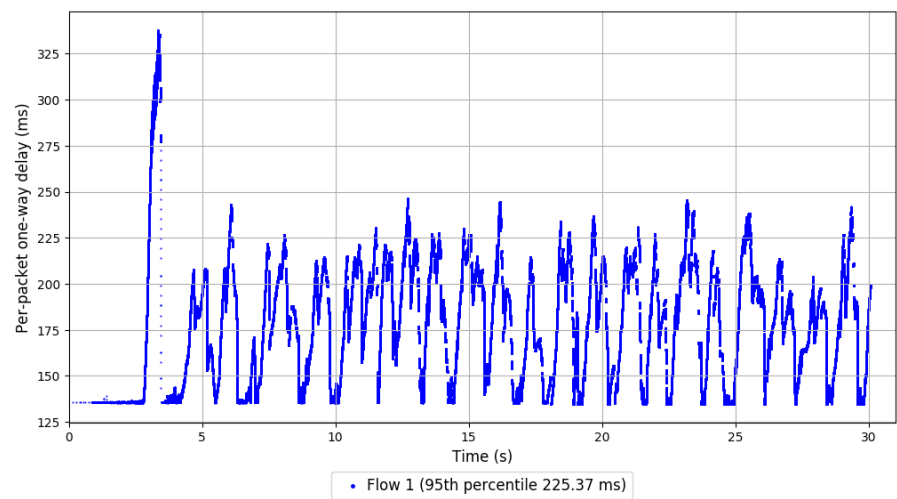
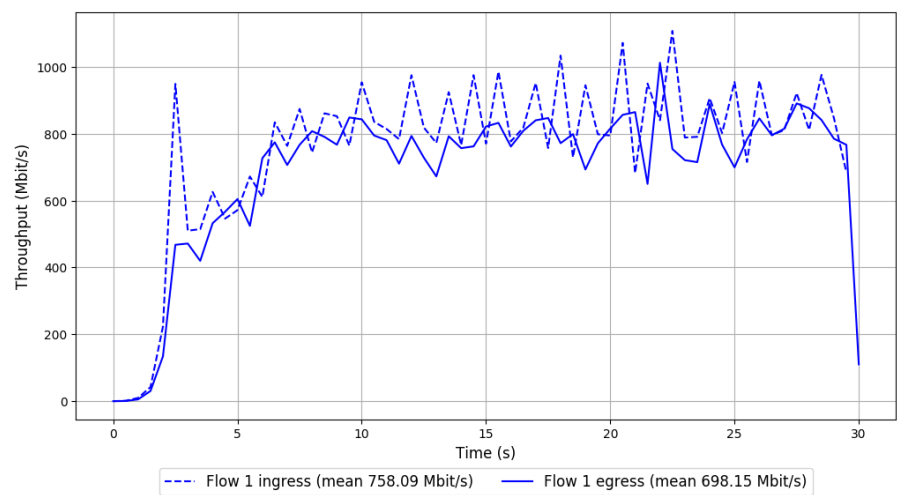
-- Flow 1:

Average throughput: 698.15 Mbit/s

95th percentile per-packet one-way delay: 225.374 ms

Loss rate: 7.91%

Run 10: Report of FillP — Data Link

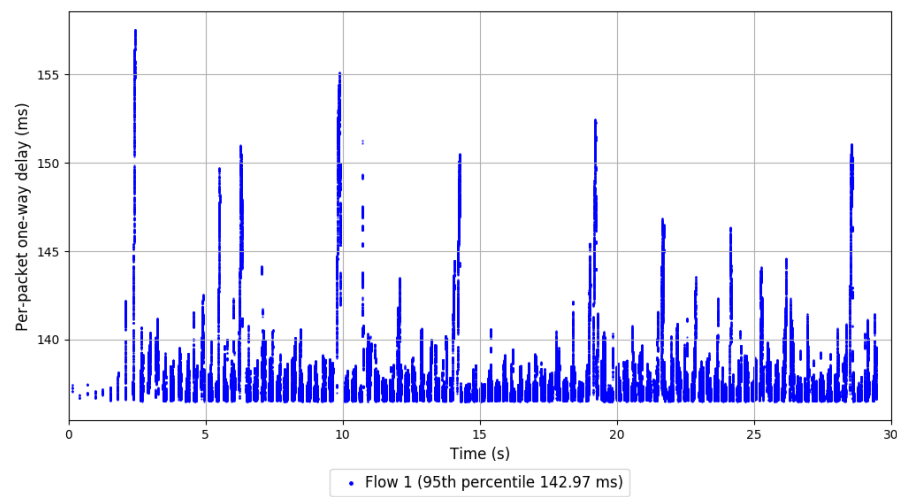
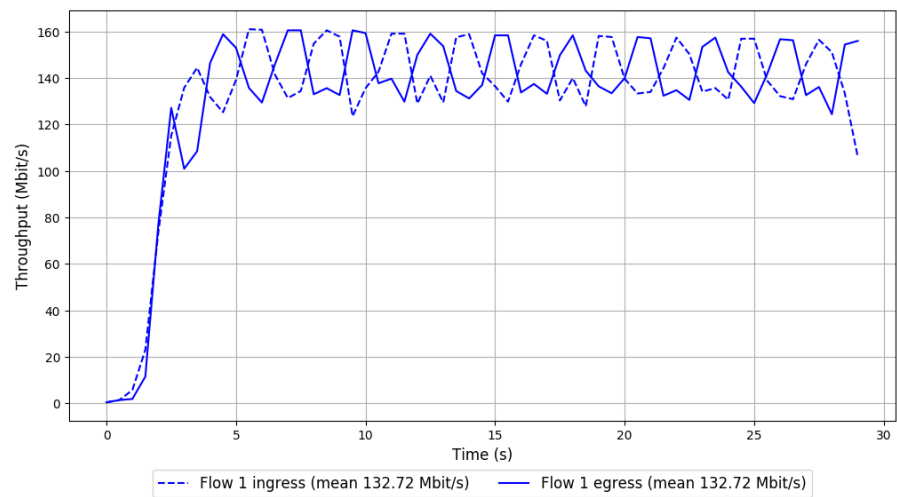


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-04-17 21:11:25
End at: 2018-04-17 21:11:56

# Below is generated by plot.py at 2018-04-18 01:17:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 132.72 Mbit/s
95th percentile per-packet one-way delay: 142.965 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.72 Mbit/s
95th percentile per-packet one-way delay: 142.965 ms
Loss rate: 0.00%
```

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

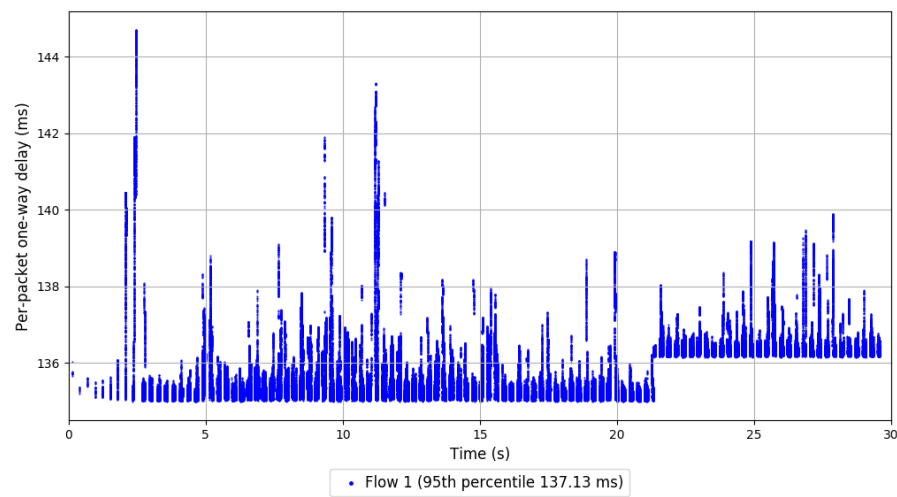
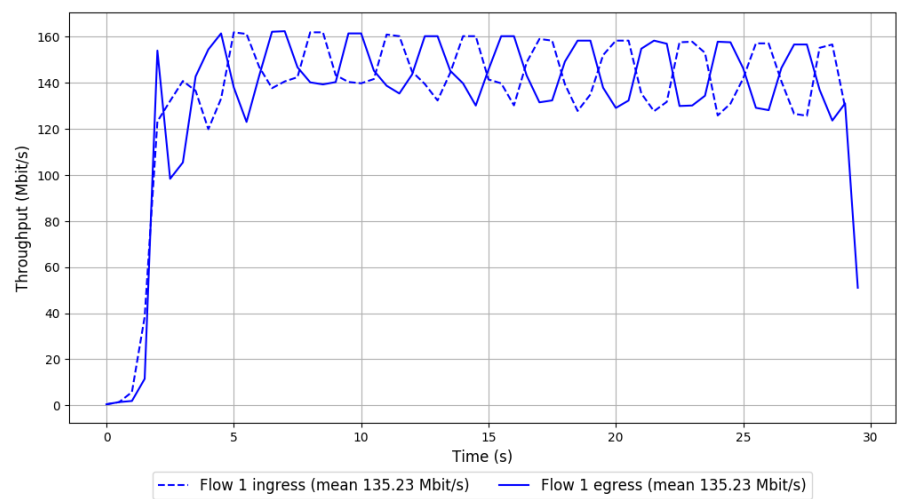


```
Run 2: Statistics of Indigo-1-32

Start at: 2018-04-17 21:25:25
End at: 2018-04-17 21:25:55

# Below is generated by plot.py at 2018-04-18 01:17:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 135.23 Mbit/s
95th percentile per-packet one-way delay: 137.132 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 135.23 Mbit/s
95th percentile per-packet one-way delay: 137.132 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-04-17 21:39:41

End at: 2018-04-17 21:40:11

# Below is generated by plot.py at 2018-04-18 01:17:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 134.38 Mbit/s

95th percentile per-packet one-way delay: 136.747 ms

Loss rate: 0.00%

-- Flow 1:

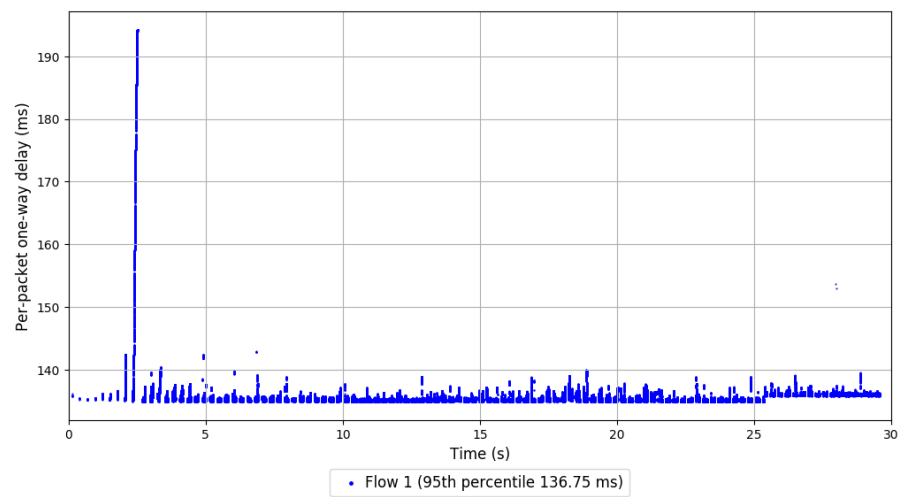
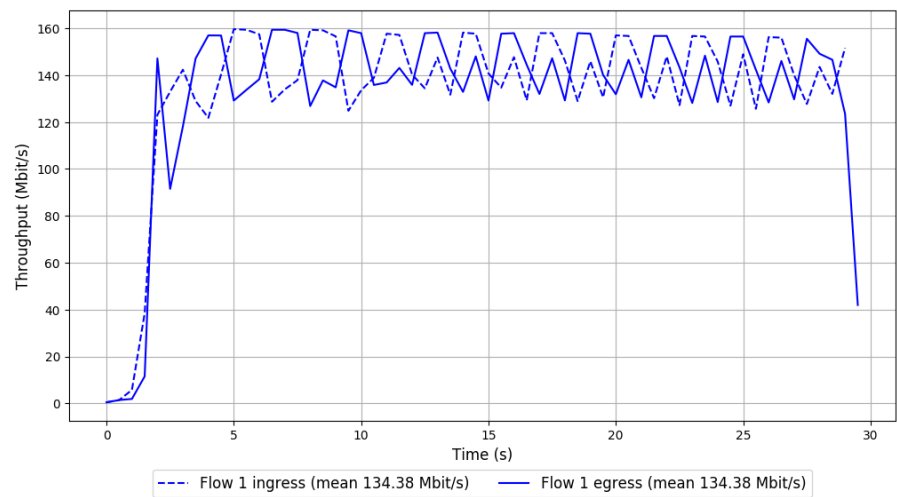
Average throughput: 134.38 Mbit/s

95th percentile per-packet one-way delay: 136.747 ms

Loss rate: 0.00%



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



Run 4: Statistics of Indigo-1-32

Start at: 2018-04-17 21:54:00

End at: 2018-04-17 21:54:30

# Below is generated by plot.py at 2018-04-18 01:17:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 135.25 Mbit/s

95th percentile per-packet one-way delay: 136.985 ms

Loss rate: 0.00%

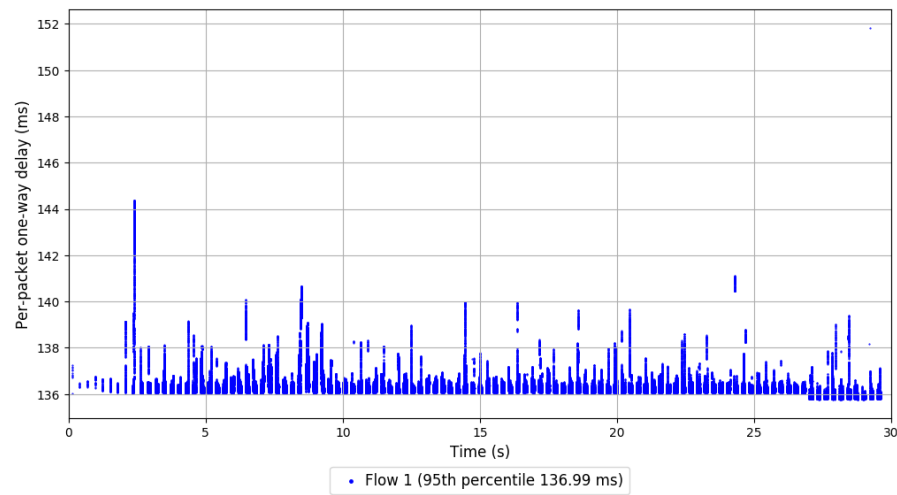
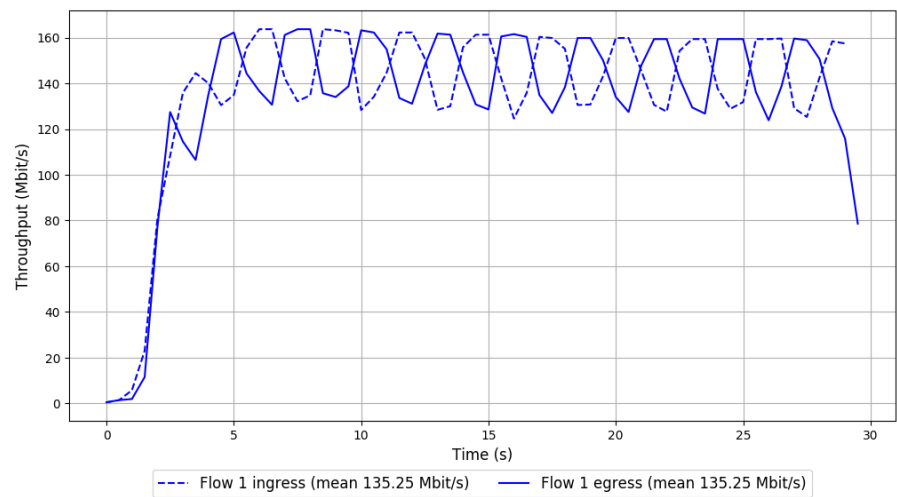
-- Flow 1:

Average throughput: 135.25 Mbit/s

95th percentile per-packet one-way delay: 136.985 ms

Loss rate: 0.00%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-04-17 22:08:14

End at: 2018-04-17 22:08:44

# Below is generated by plot.py at 2018-04-18 01:17:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 136.80 Mbit/s

95th percentile per-packet one-way delay: 136.568 ms

Loss rate: 0.00%

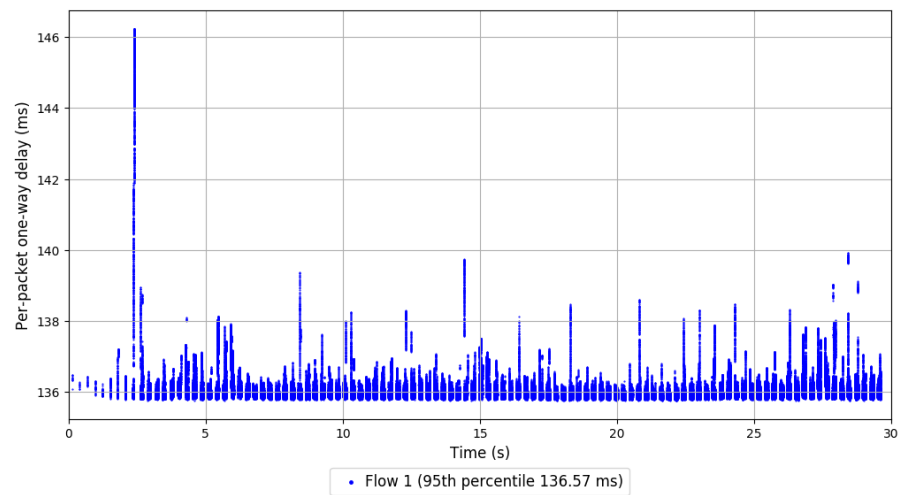
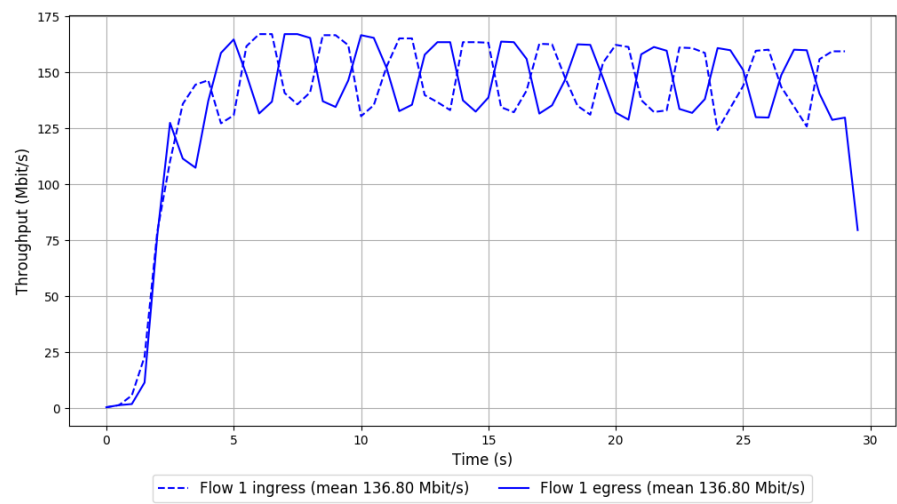
-- Flow 1:

Average throughput: 136.80 Mbit/s

95th percentile per-packet one-way delay: 136.568 ms

Loss rate: 0.00%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-04-17 22:22:31

End at: 2018-04-17 22:23:01

# Below is generated by plot.py at 2018-04-18 01:17:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 133.18 Mbit/s

95th percentile per-packet one-way delay: 137.610 ms

Loss rate: 0.00%

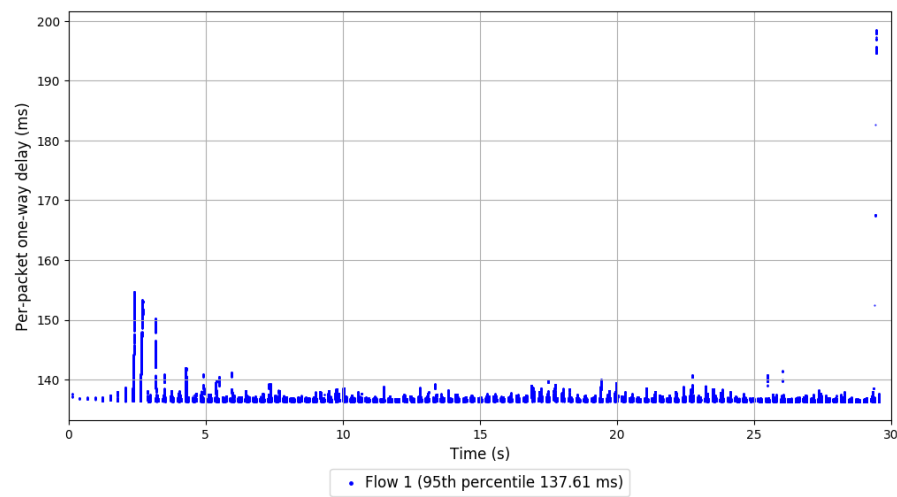
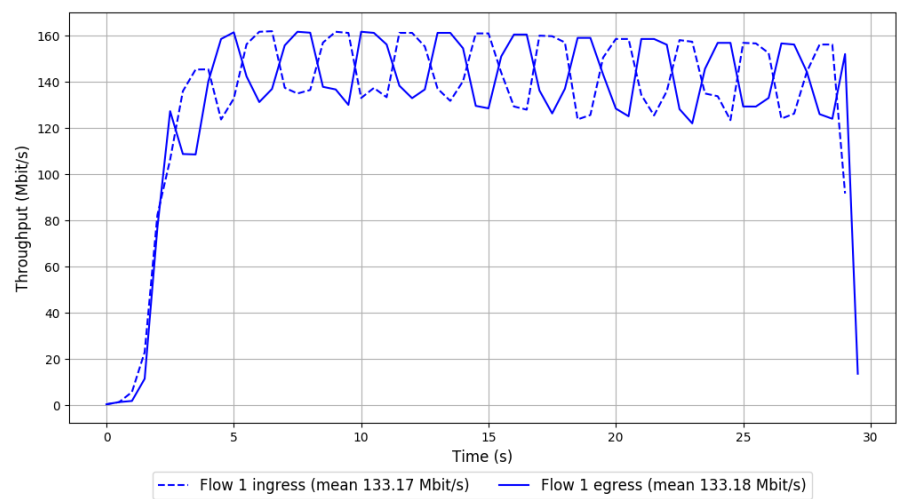
-- Flow 1:

Average throughput: 133.18 Mbit/s

95th percentile per-packet one-way delay: 137.610 ms

Loss rate: 0.00%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-04-17 22:36:35

End at: 2018-04-17 22:37:05

# Below is generated by plot.py at 2018-04-18 01:17:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 132.51 Mbit/s

95th percentile per-packet one-way delay: 137.845 ms

Loss rate: 0.00%

-- Flow 1:

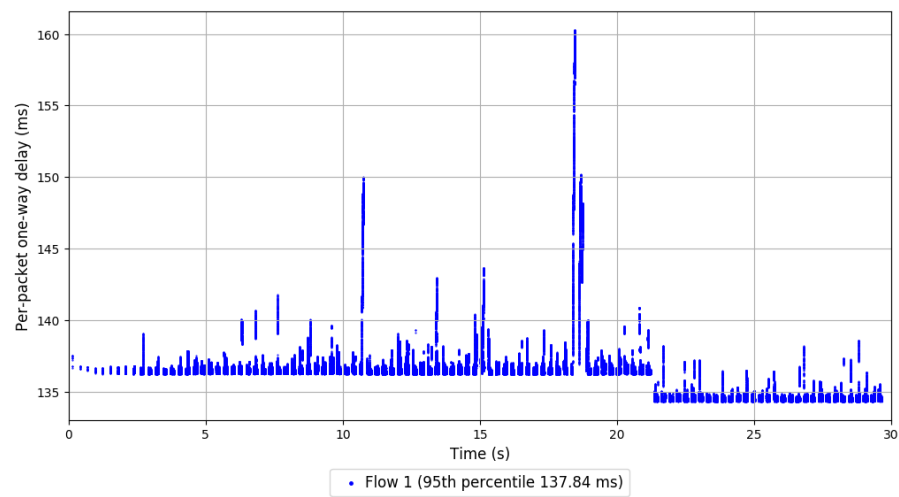
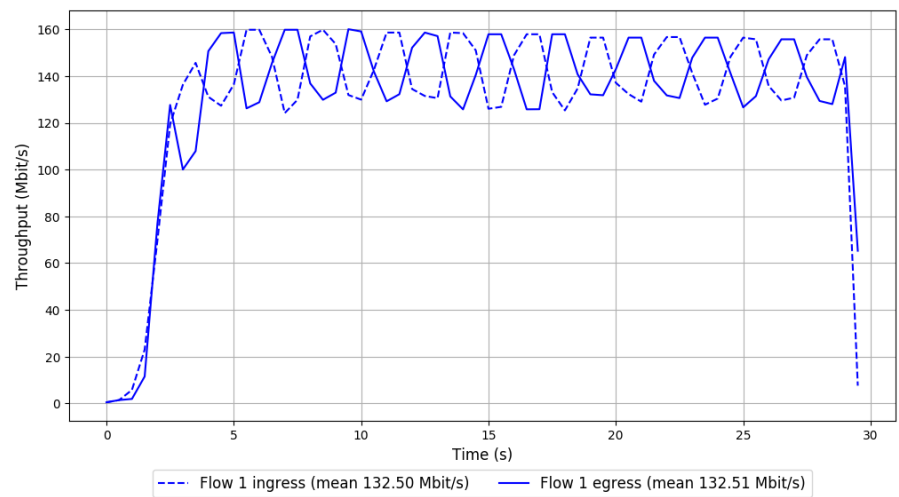
Average throughput: 132.51 Mbit/s

95th percentile per-packet one-way delay: 137.845 ms

Loss rate: 0.00%



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



Run 8: Statistics of Indigo-1-32

Start at: 2018-04-17 22:50:43

End at: 2018-04-17 22:51:13

# Below is generated by plot.py at 2018-04-18 01:17:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 133.82 Mbit/s

95th percentile per-packet one-way delay: 137.416 ms

Loss rate: 0.00%

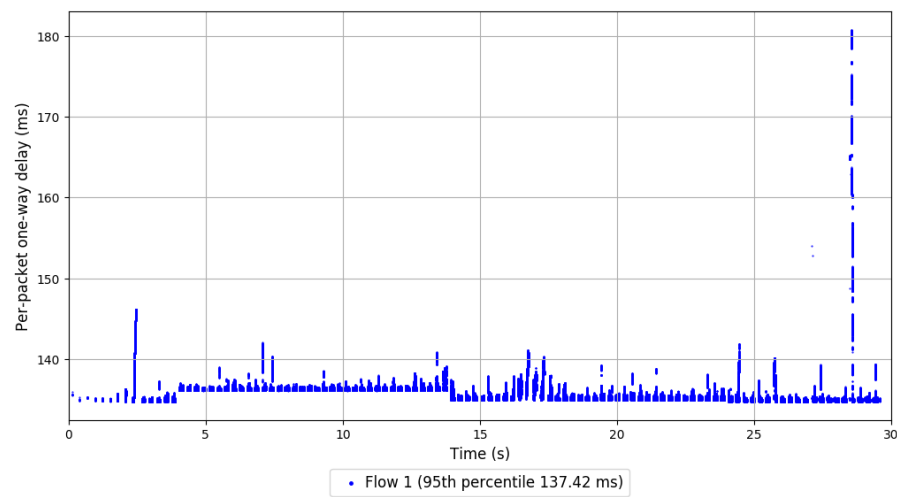
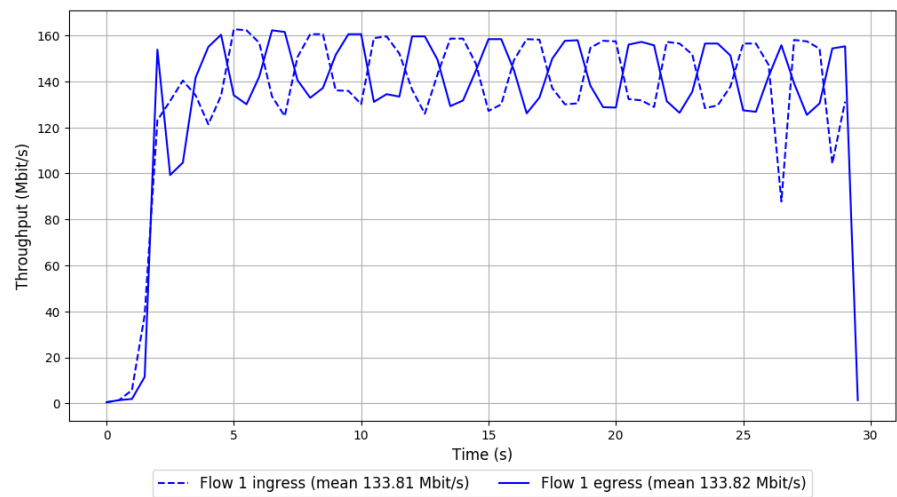
-- Flow 1:

Average throughput: 133.82 Mbit/s

95th percentile per-packet one-way delay: 137.416 ms

Loss rate: 0.00%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-04-17 23:04:55

End at: 2018-04-17 23:05:25

# Below is generated by plot.py at 2018-04-18 01:17:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 133.13 Mbit/s

95th percentile per-packet one-way delay: 137.126 ms

Loss rate: 0.00%

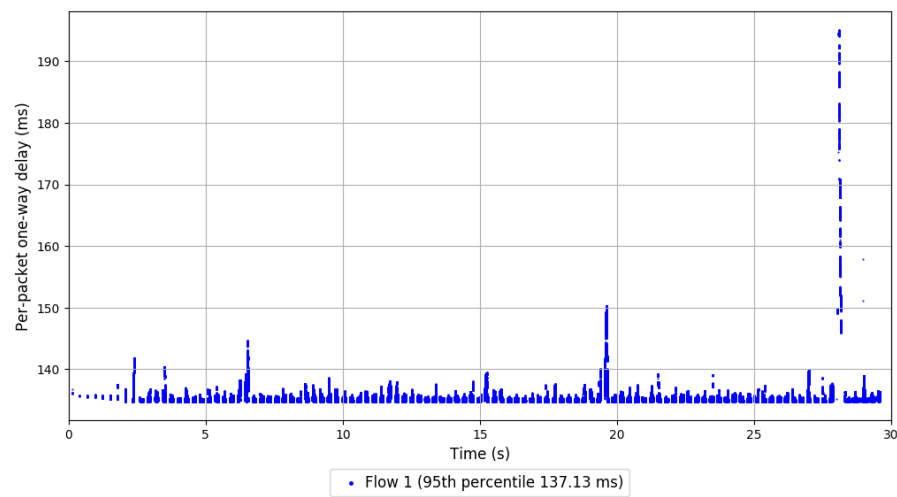
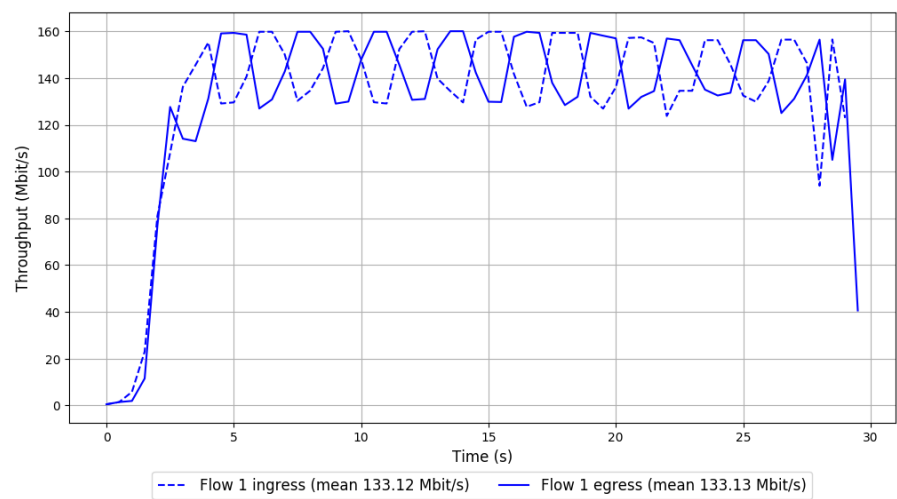
-- Flow 1:

Average throughput: 133.13 Mbit/s

95th percentile per-packet one-way delay: 137.126 ms

Loss rate: 0.00%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-04-17 23:19:13

End at: 2018-04-17 23:19:43

# Below is generated by plot.py at 2018-04-18 01:17:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 175.02 Mbit/s

95th percentile per-packet one-way delay: 136.990 ms

Loss rate: 0.00%

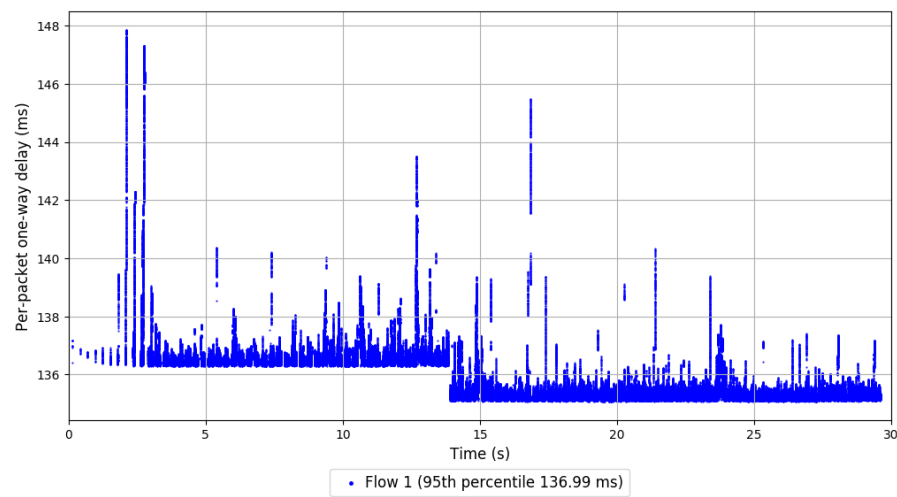
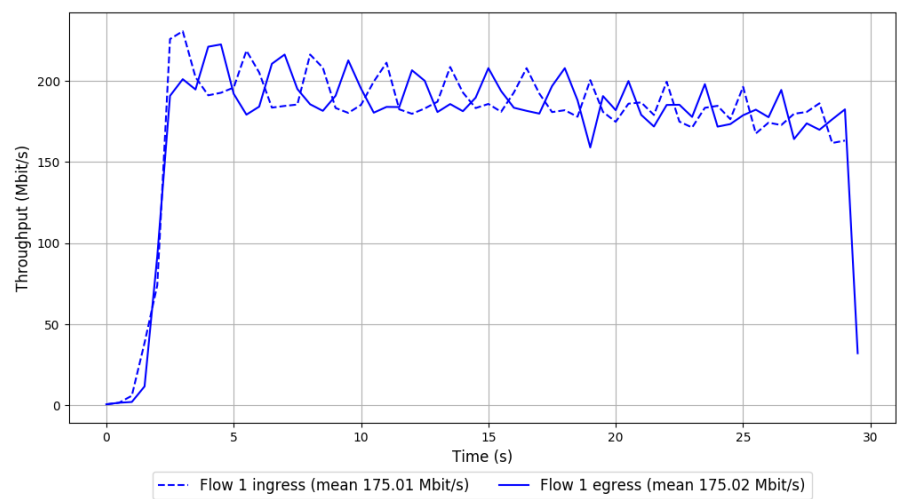
-- Flow 1:

Average throughput: 175.02 Mbit/s

95th percentile per-packet one-way delay: 136.990 ms

Loss rate: 0.00%

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



Run 1: Statistics of PCC-Vivace

Start at: 2018-04-17 21:19:59

End at: 2018-04-17 21:20:29

# Below is generated by plot.py at 2018-04-18 01:17:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 256.59 Mbit/s

95th percentile per-packet one-way delay: 187.918 ms

Loss rate: 0.00%

-- Flow 1:

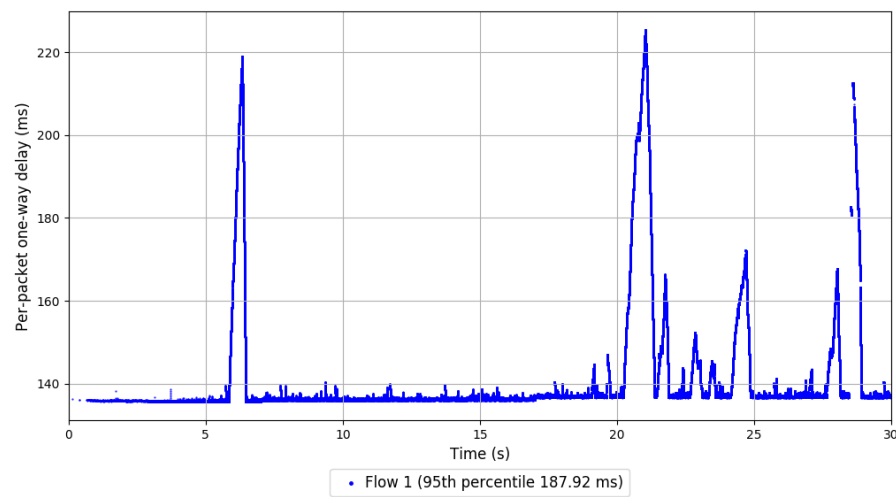
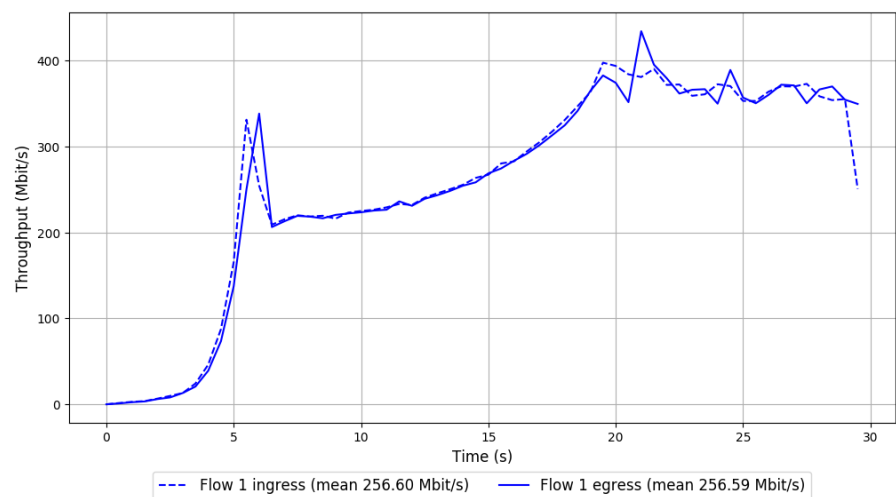
Average throughput: 256.59 Mbit/s

95th percentile per-packet one-way delay: 187.918 ms

Loss rate: 0.00%



Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-04-17 21:34:10

End at: 2018-04-17 21:34:40

# Below is generated by plot.py at 2018-04-18 01:17:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 239.63 Mbit/s

95th percentile per-packet one-way delay: 145.915 ms

Loss rate: 0.00%

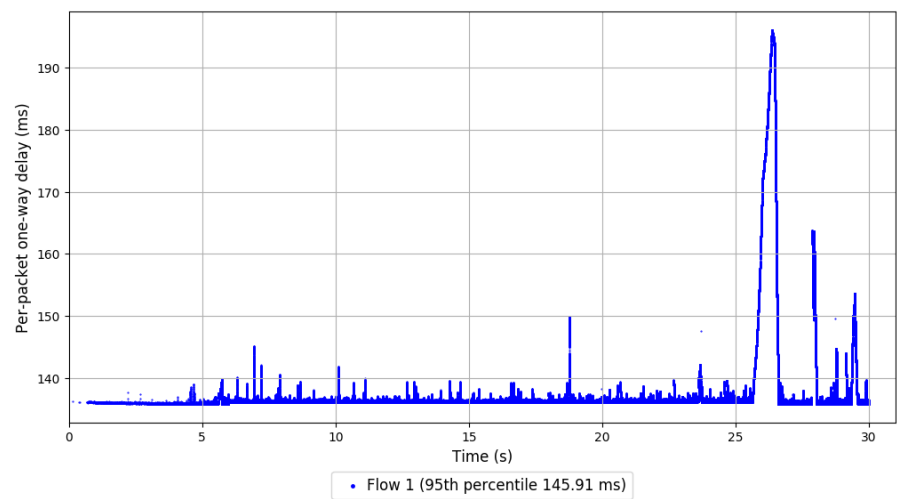
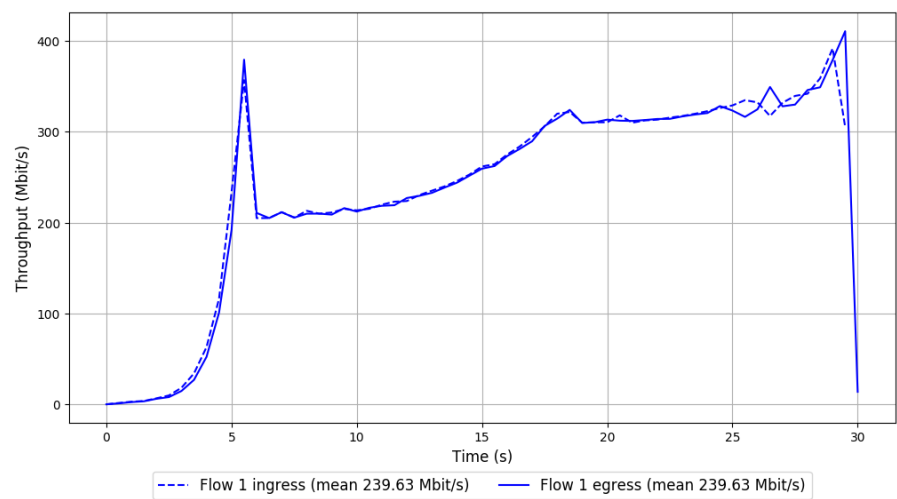
-- Flow 1:

Average throughput: 239.63 Mbit/s

95th percentile per-packet one-way delay: 145.915 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-04-17 21:48:27

End at: 2018-04-17 21:48:57

# Below is generated by plot.py at 2018-04-18 01:17:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 255.44 Mbit/s

95th percentile per-packet one-way delay: 144.648 ms

Loss rate: 0.00%

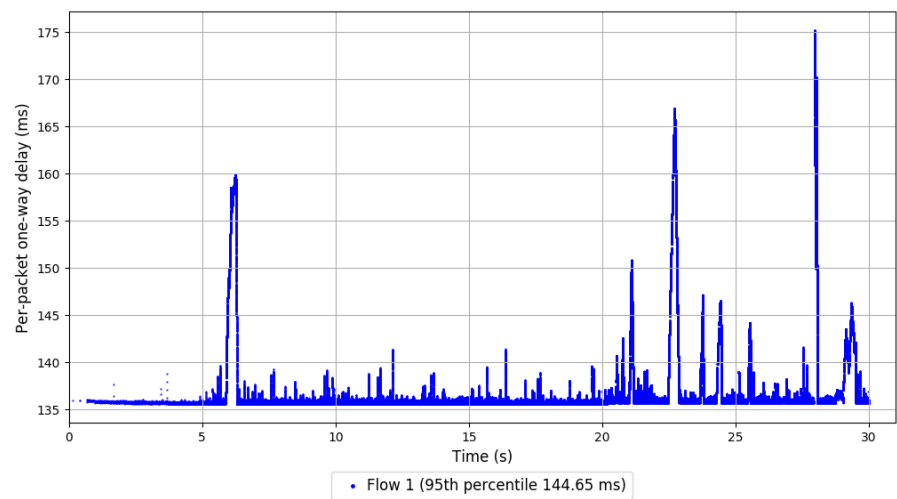
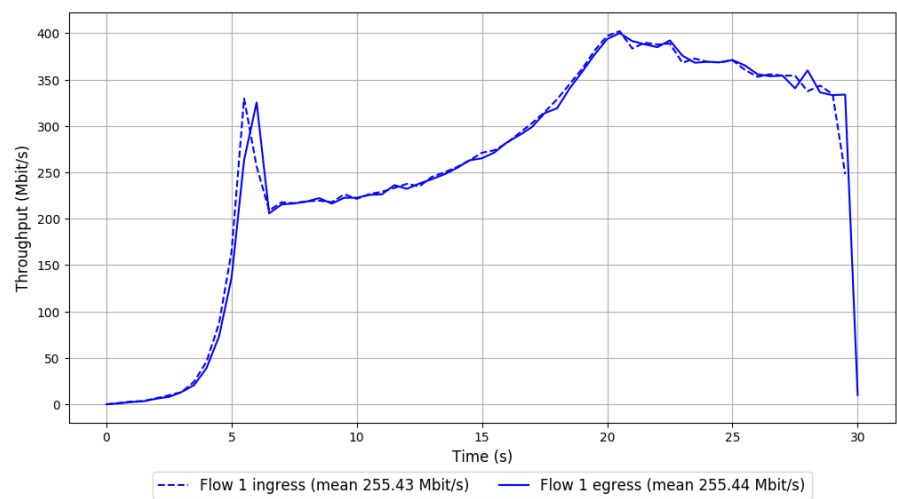
-- Flow 1:

Average throughput: 255.44 Mbit/s

95th percentile per-packet one-way delay: 144.648 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-04-17 22:02:44

End at: 2018-04-17 22:03:14

# Below is generated by plot.py at 2018-04-18 01:17:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 239.52 Mbit/s

95th percentile per-packet one-way delay: 178.281 ms

Loss rate: 0.00%

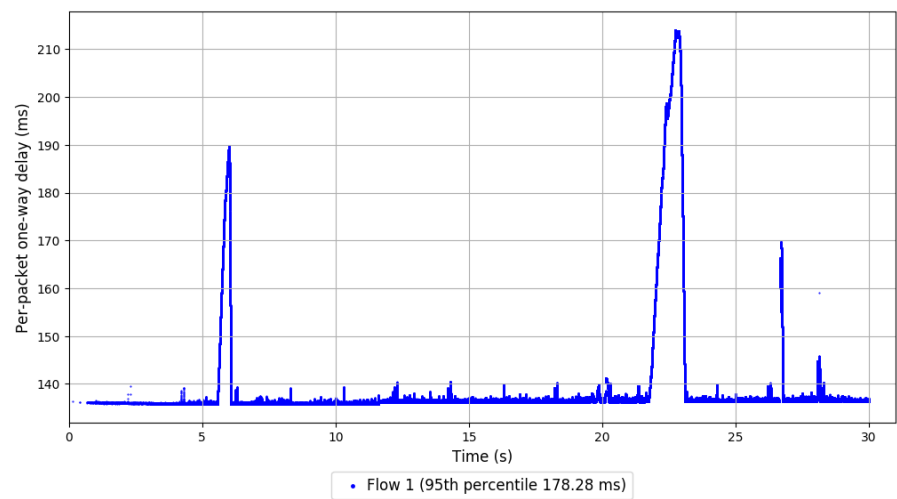
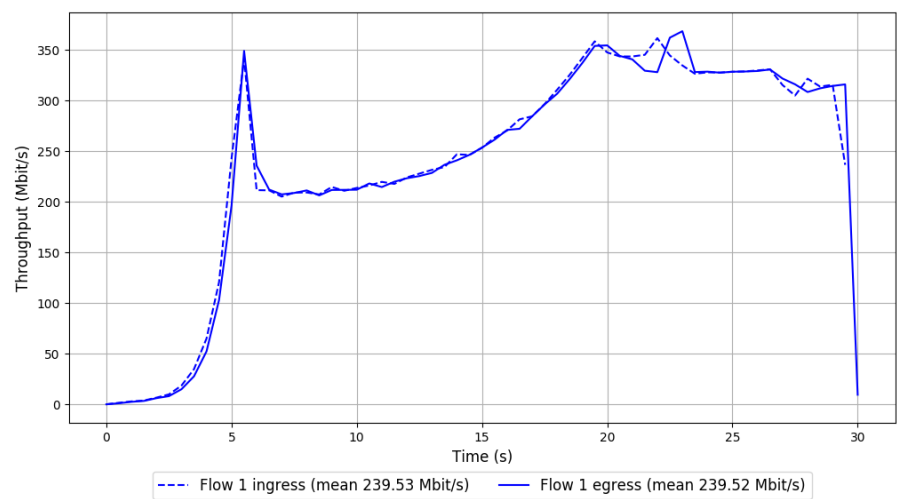
-- Flow 1:

Average throughput: 239.52 Mbit/s

95th percentile per-packet one-way delay: 178.281 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-04-17 22:17:03

End at: 2018-04-17 22:17:33

# Below is generated by plot.py at 2018-04-18 01:17:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 226.77 Mbit/s

95th percentile per-packet one-way delay: 200.814 ms

Loss rate: 0.43%

-- Flow 1:

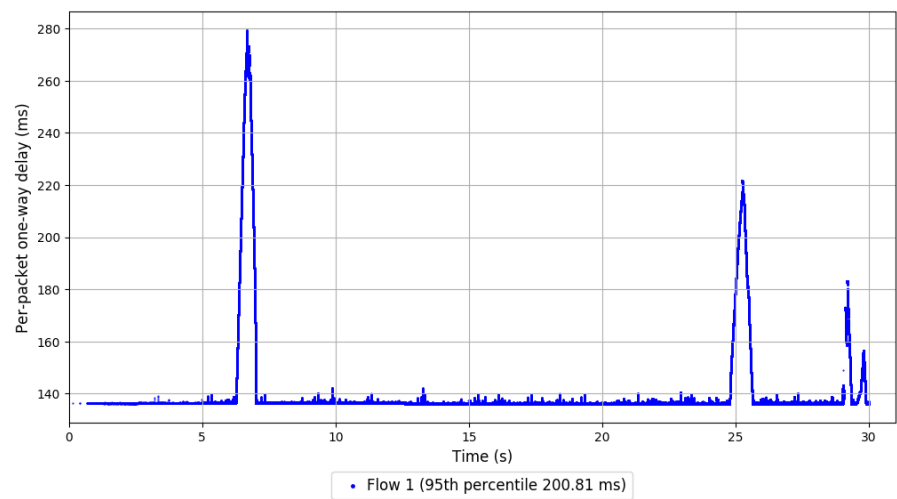
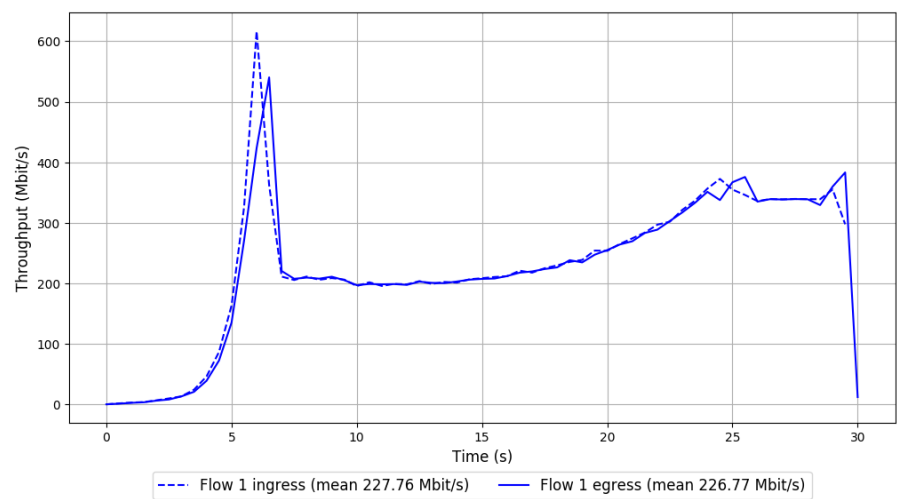
Average throughput: 226.77 Mbit/s

95th percentile per-packet one-way delay: 200.814 ms

Loss rate: 0.43%



Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-04-17 22:31:04

End at: 2018-04-17 22:31:35

# Below is generated by plot.py at 2018-04-18 01:17:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 250.89 Mbit/s

95th percentile per-packet one-way delay: 152.446 ms

Loss rate: 0.09%

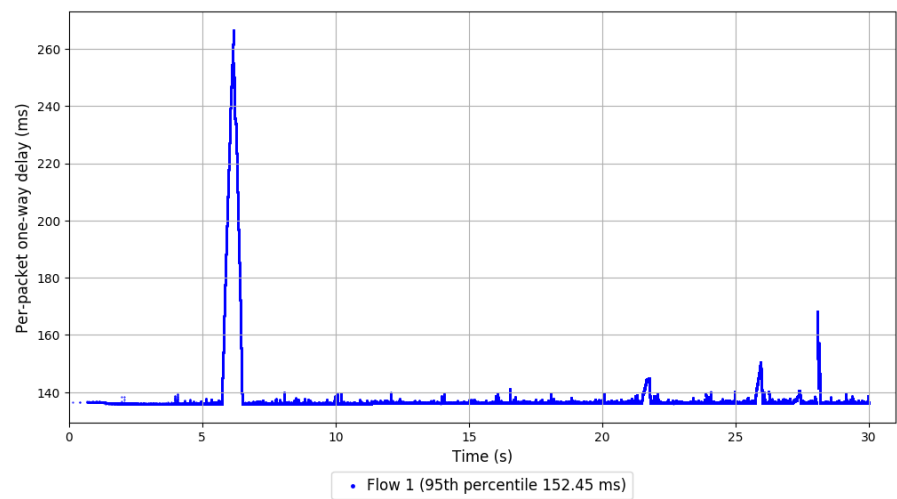
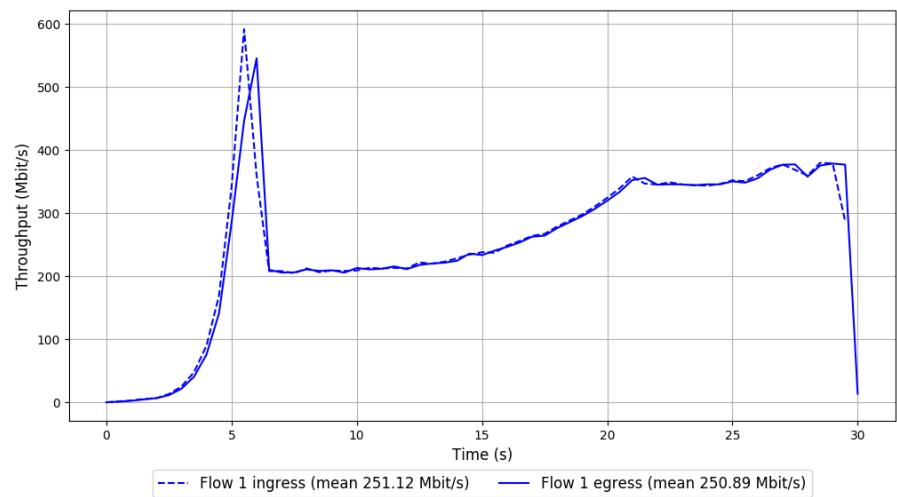
-- Flow 1:

Average throughput: 250.89 Mbit/s

95th percentile per-packet one-way delay: 152.446 ms

Loss rate: 0.09%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-04-17 22:45:07

End at: 2018-04-17 22:45:37

# Below is generated by plot.py at 2018-04-18 01:17:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 245.13 Mbit/s

95th percentile per-packet one-way delay: 139.469 ms

Loss rate: 0.00%

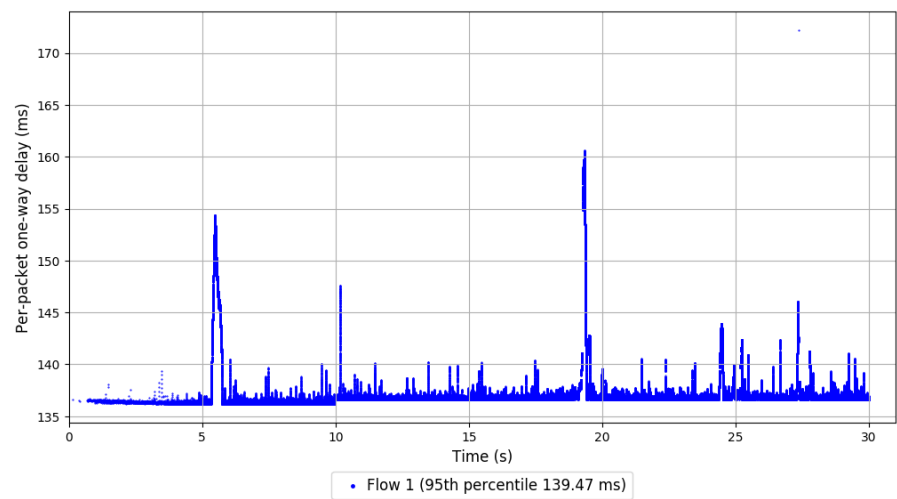
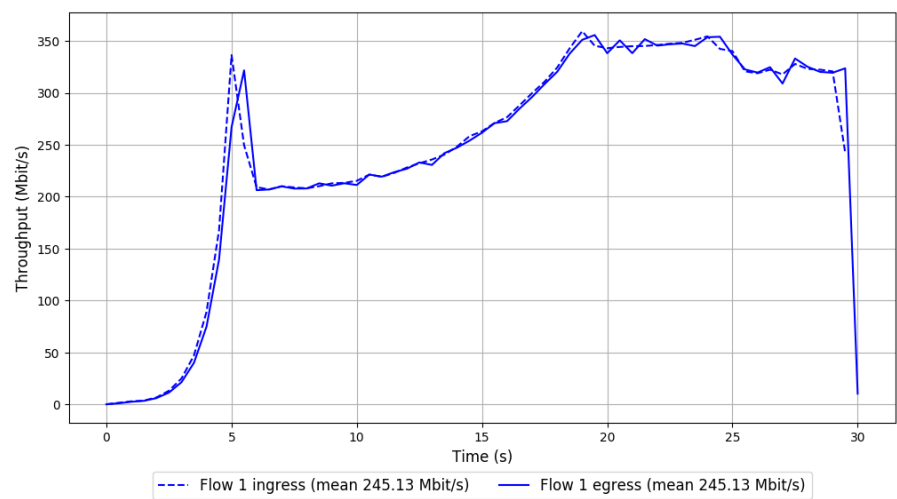
-- Flow 1:

Average throughput: 245.13 Mbit/s

95th percentile per-packet one-way delay: 139.469 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-04-17 22:59:29

End at: 2018-04-17 22:59:59

# Below is generated by plot.py at 2018-04-18 01:17:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 243.03 Mbit/s

95th percentile per-packet one-way delay: 155.557 ms

Loss rate: 0.00%

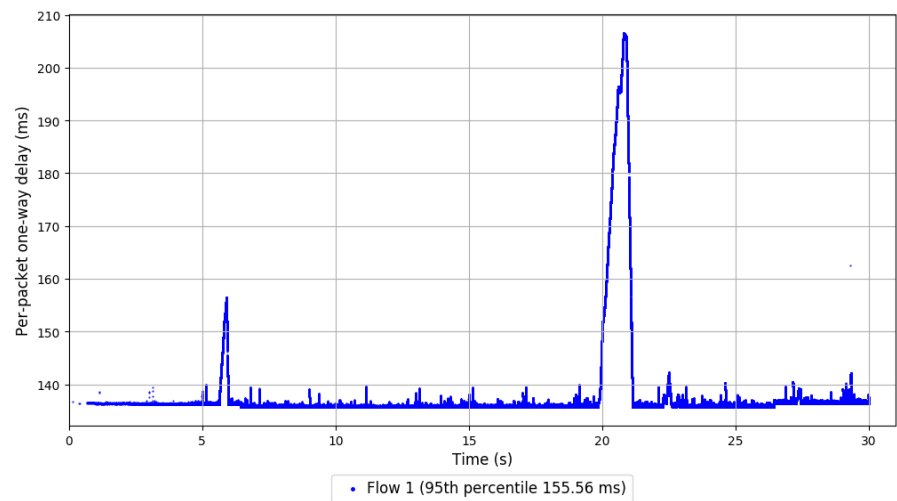
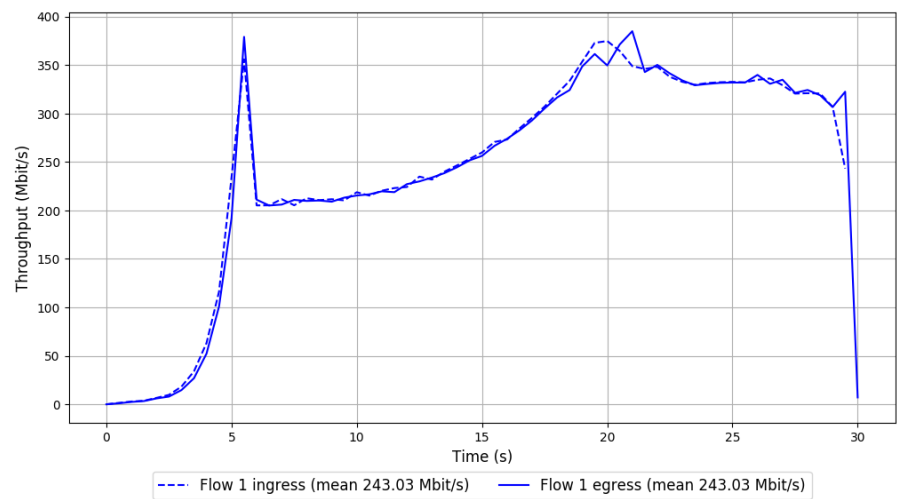
-- Flow 1:

Average throughput: 243.03 Mbit/s

95th percentile per-packet one-way delay: 155.557 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-04-17 23:13:40

End at: 2018-04-17 23:14:10

# Below is generated by plot.py at 2018-04-18 01:17:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 276.89 Mbit/s

95th percentile per-packet one-way delay: 195.600 ms

Loss rate: 0.45%

-- Flow 1:

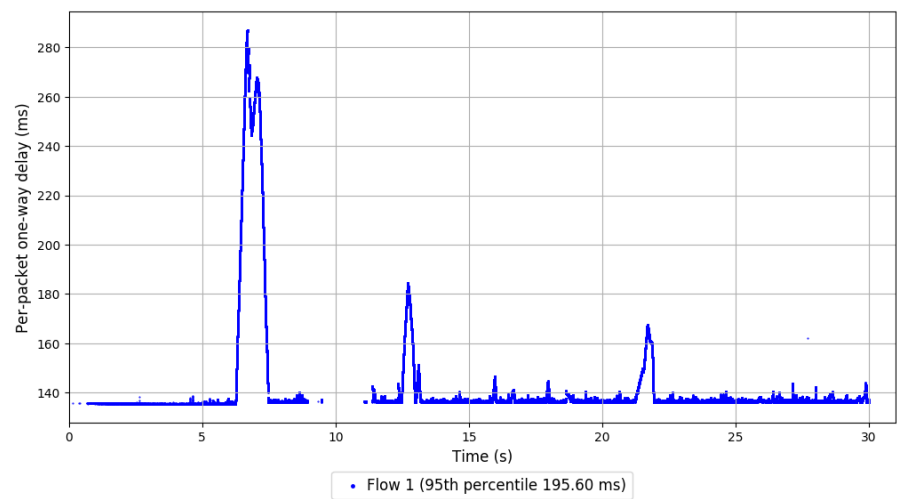
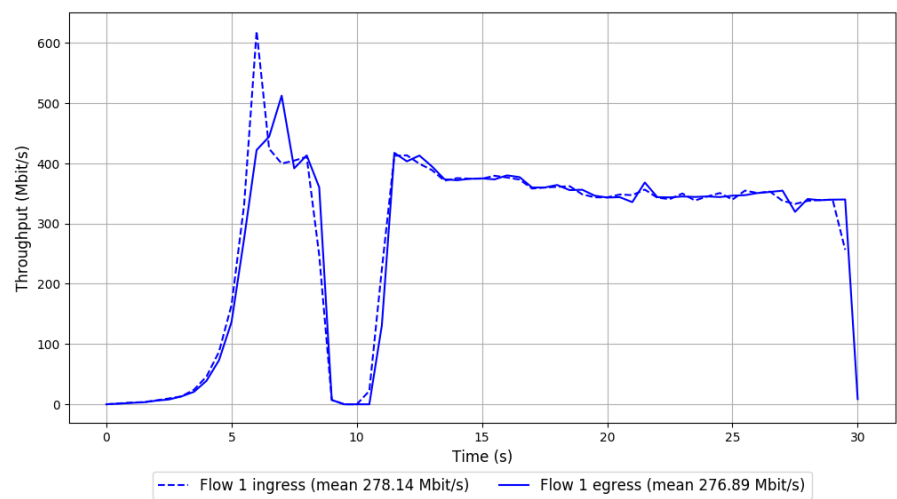
Average throughput: 276.89 Mbit/s

95th percentile per-packet one-way delay: 195.600 ms

Loss rate: 0.45%



Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-04-17 23:27:39

End at: 2018-04-17 23:28:09

# Below is generated by plot.py at 2018-04-18 01:17:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 277.32 Mbit/s

95th percentile per-packet one-way delay: 137.677 ms

Loss rate: 0.00%

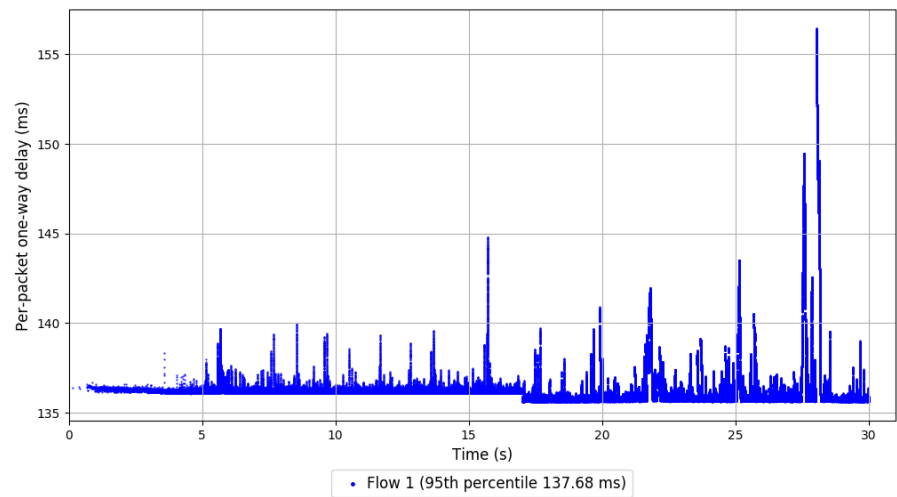
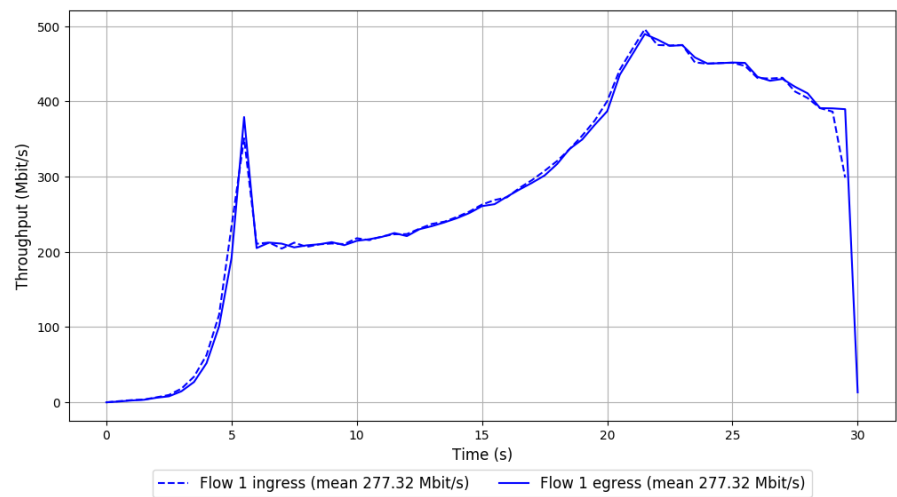
-- Flow 1:

Average throughput: 277.32 Mbit/s

95th percentile per-packet one-way delay: 137.677 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-04-17 21:14:54

End at: 2018-04-17 21:15:24

Run 1: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC-Expr

Start at: 2018-04-17 21:28:47

End at: 2018-04-17 21:29:17

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

Start at: 2018-04-17 21:43:04

End at: 2018-04-17 21:43:34



Run 3: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of PCC-Expr

Start at: 2018-04-17 21:57:23

End at: 2018-04-17 21:57:53

Run 4: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of PCC-Expr

Start at: 2018-04-17 22:11:41

End at: 2018-04-17 22:12:11

Run 5: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of PCC-Expr

Start at: 2018-04-17 22:25:56

End at: 2018-04-17 22:26:26

Run 6: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of PCC-Expr

Start at: 2018-04-17 22:40:02

End at: 2018-04-17 22:40:32



Run 7: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-04-17 22:54:05

End at: 2018-04-17 22:54:35

Run 8: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-04-17 23:08:22

End at: 2018-04-17 23:08:52

Run 9: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of PCC-Expr

Start at: 2018-04-17 23:22:38

End at: 2018-04-17 23:23:08

Run 10: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing