

## Pantheon Report

Generated at 2018-05-24 07:07:35 (UTC).

Data path: AWS Korea Ethernet (*local*) → China Ethernet (*remote*).

Repeated the test of 16 congestion control schemes 10 times.

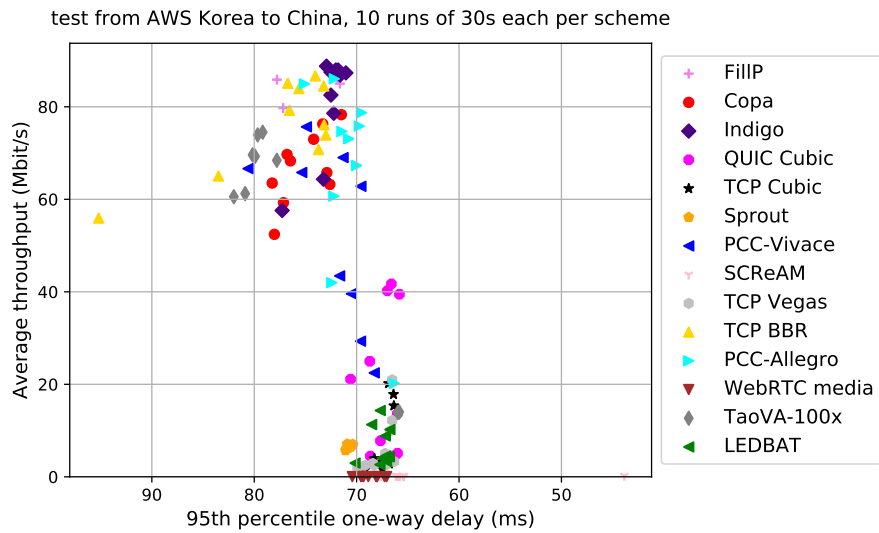
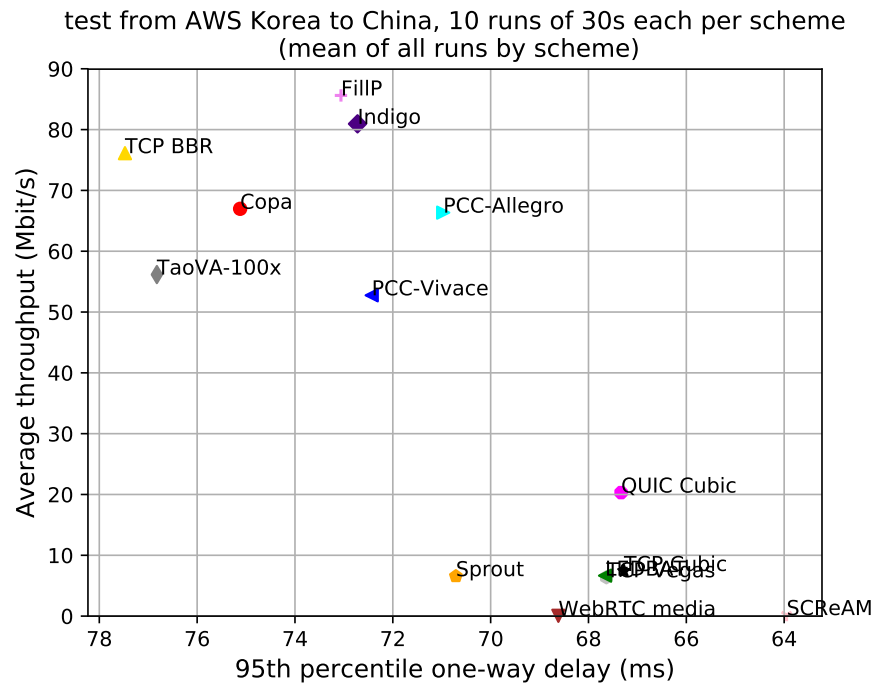
Each test lasted for 30 seconds running 1 flow.

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

NTP offsets were measured against `ntp.nict.jp` and have been applied to correct the timestamps in logs.

Git summary:

```
branch: master @ 0088822873ea99180f63545a341ef069f40efe59
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
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-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	76.12	77.48	5.08
Copa	10	66.97	75.12	2.32
TCP Cubic	10	7.42	67.27	1.08
FillP	10	85.62	73.06	11.14
Indigo	10	80.95	72.72	4.47
LEDBAT	10	6.65	67.66	0.70
PCC-Allegro	10	66.34	70.97	1.56
PCC-Expr	0	N/A	N/A	N/A
QUIC Cubic	10	20.31	67.33	0.93
SCReAM	10	0.17	63.95	0.21
Sprout	10	6.57	70.71	3.01
TaoVA-100x	9	56.16	76.82	2.86
TCP Vegas	10	6.38	67.63	1.32
Verus	0	N/A	N/A	N/A
PCC-Vivace	9	52.75	72.43	1.21
WebRTC media	10	0.05	68.62	1.22

Run 1: Statistics of TCP BBR

Start at: 2018-05-24 03:29:37

End at: 2018-05-24 03:30:07

Local clock offset: 3.598 ms

Remote clock offset: 0.347 ms

# Below is generated by plot.py at 2018-05-24 06:56:42

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.68 Mbit/s

95th percentile per-packet one-way delay: 74.038 ms

Loss rate: 4.44%

-- Flow 1:

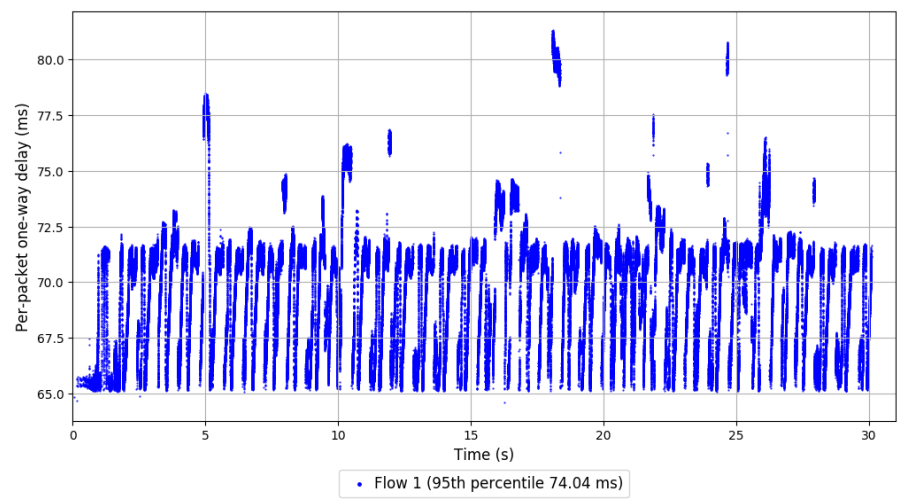
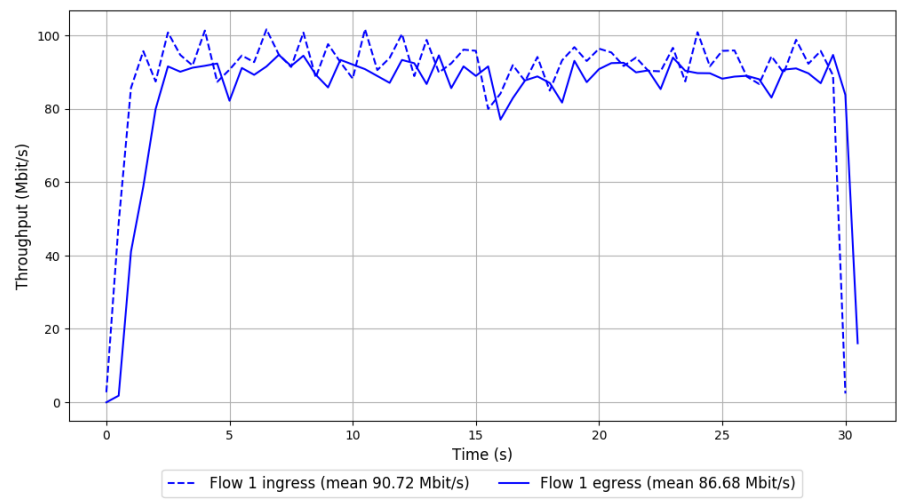
Average throughput: 86.68 Mbit/s

95th percentile per-packet one-way delay: 74.038 ms

Loss rate: 4.44%



Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-05-24 03:50:08

End at: 2018-05-24 03:50:38

Local clock offset: 2.462 ms

Remote clock offset: -0.059 ms

# Below is generated by plot.py at 2018-05-24 06:56:42

# Datalink statistics

-- Total of 1 flow:

Average throughput: 85.10 Mbit/s

95th percentile per-packet one-way delay: 76.724 ms

Loss rate: 4.98%

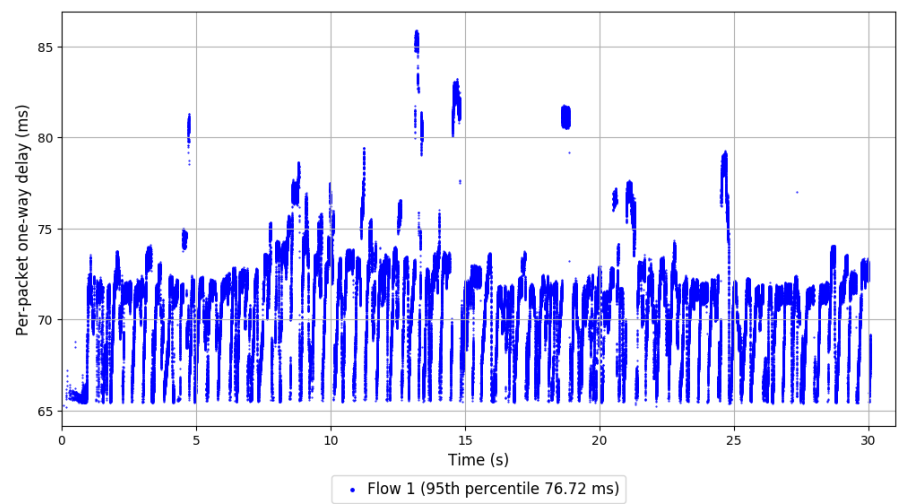
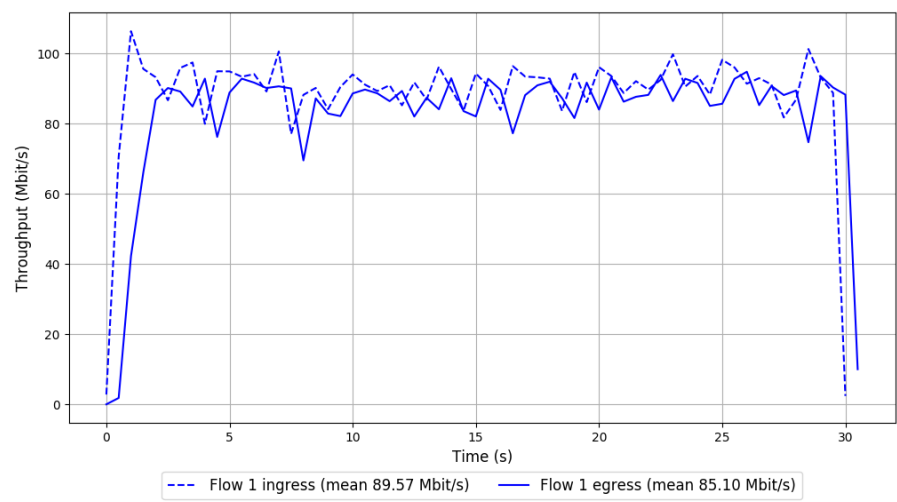
-- Flow 1:

Average throughput: 85.10 Mbit/s

95th percentile per-packet one-way delay: 76.724 ms

Loss rate: 4.98%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-05-24 04:10:44

End at: 2018-05-24 04:11:14

Local clock offset: 1.178 ms

Remote clock offset: 0.232 ms

# Below is generated by plot.py at 2018-05-24 06:56:42

# Datalink statistics

-- Total of 1 flow:

Average throughput: 84.50 Mbit/s

95th percentile per-packet one-way delay: 73.217 ms

Loss rate: 4.92%

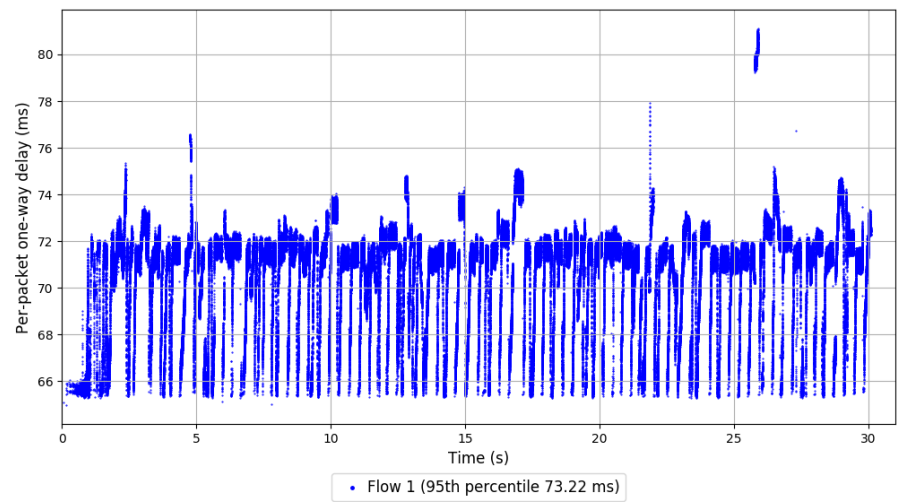
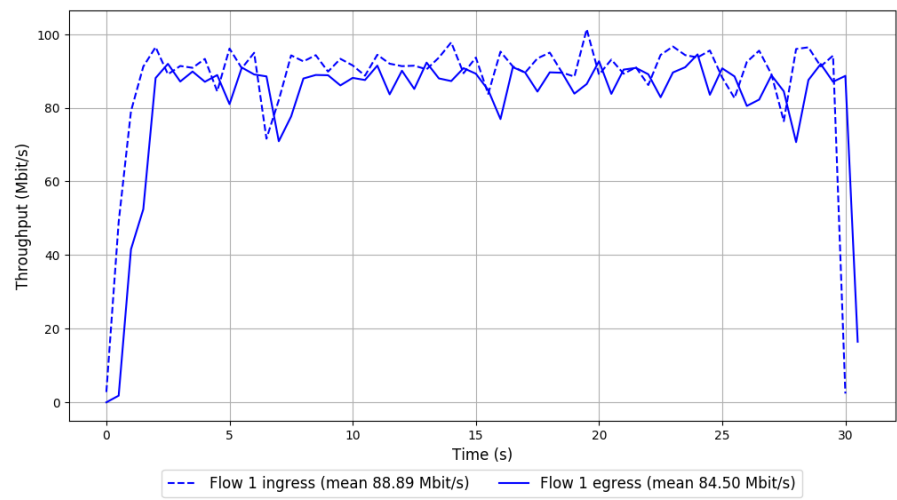
-- Flow 1:

Average throughput: 84.50 Mbit/s

95th percentile per-packet one-way delay: 73.217 ms

Loss rate: 4.92%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-05-24 04:31:49

End at: 2018-05-24 04:32:19

Local clock offset: 0.615 ms

Remote clock offset: 0.274 ms

# Below is generated by plot.py at 2018-05-24 06:56:42

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.95 Mbit/s

95th percentile per-packet one-way delay: 75.634 ms

Loss rate: 4.79%

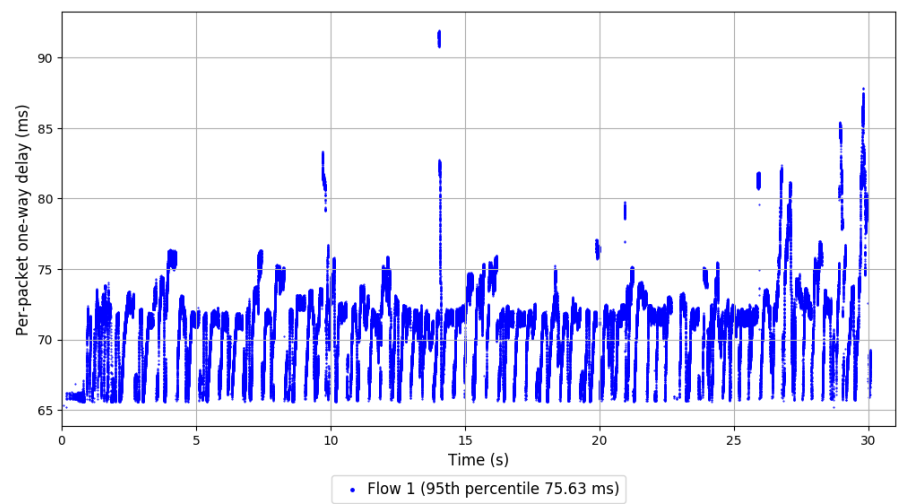
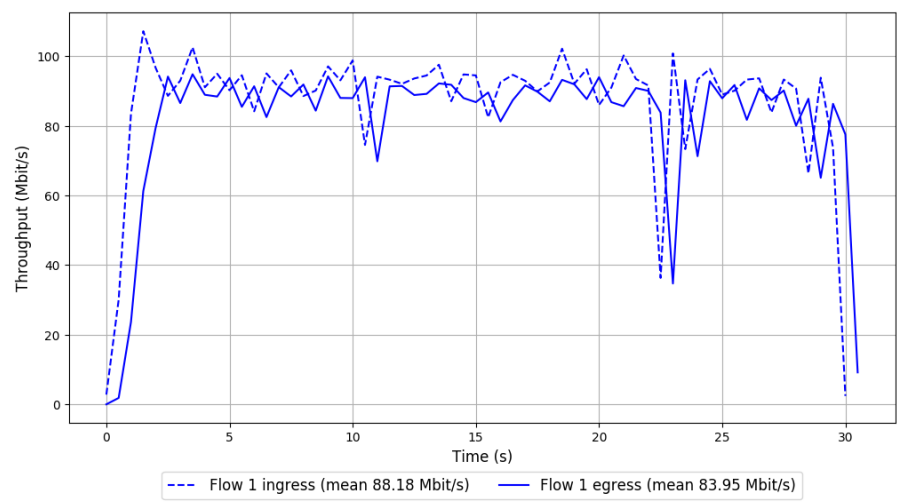
-- Flow 1:

Average throughput: 83.95 Mbit/s

95th percentile per-packet one-way delay: 75.634 ms

Loss rate: 4.79%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-05-24 04:52:56

End at: 2018-05-24 04:53:26

Local clock offset: 0.405 ms

Remote clock offset: -0.193 ms

# Below is generated by plot.py at 2018-05-24 06:56:42

# Datalink statistics

-- Total of 1 flow:

Average throughput: 79.25 Mbit/s

95th percentile per-packet one-way delay: 76.561 ms

Loss rate: 4.36%

-- Flow 1:

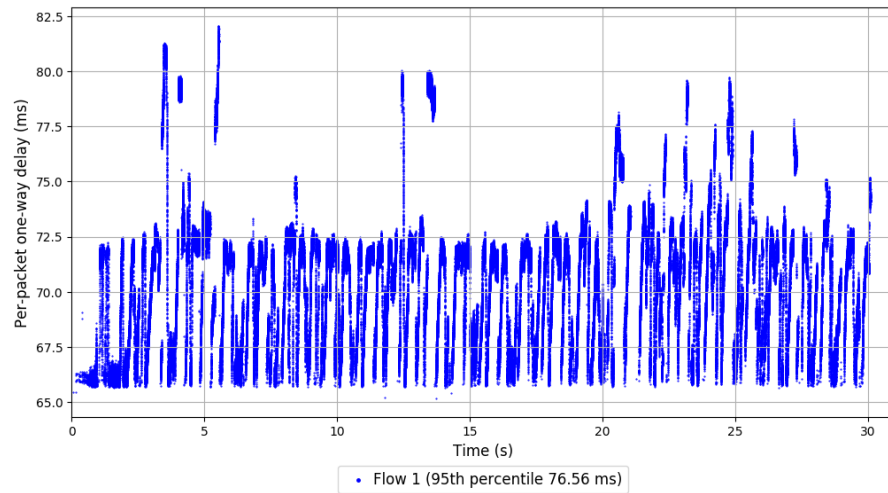
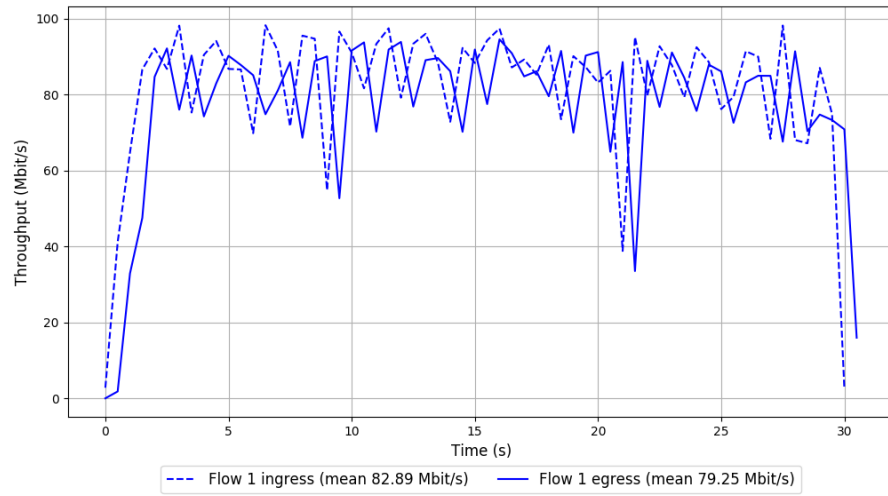
Average throughput: 79.25 Mbit/s

95th percentile per-packet one-way delay: 76.561 ms

Loss rate: 4.36%



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



Run 6: Statistics of TCP BBR

Start at: 2018-05-24 05:13:28

End at: 2018-05-24 05:13:58

Local clock offset: 3.087 ms

Remote clock offset: -0.649 ms

# Below is generated by plot.py at 2018-05-24 06:56:42

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.89 Mbit/s

95th percentile per-packet one-way delay: 72.999 ms

Loss rate: 4.49%

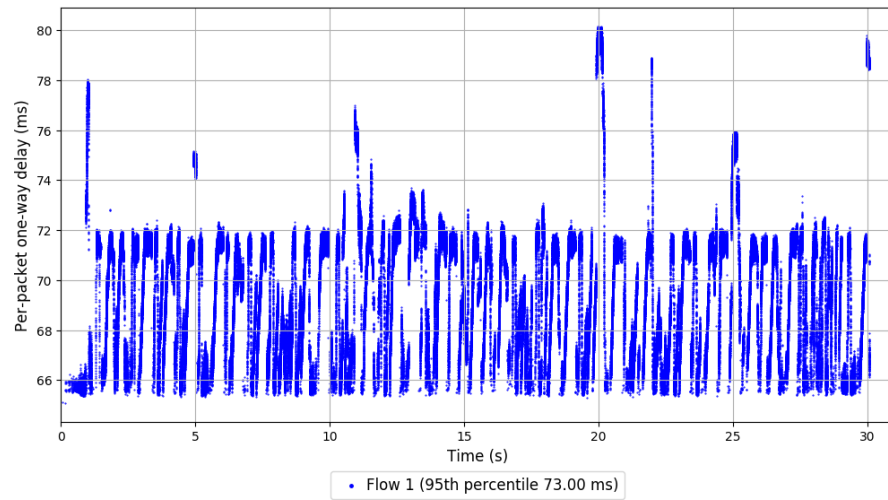
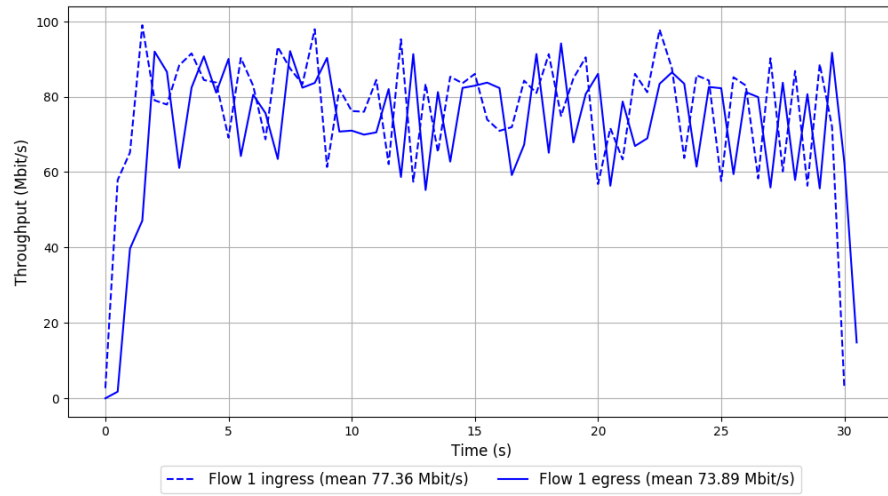
-- Flow 1:

Average throughput: 73.89 Mbit/s

95th percentile per-packet one-way delay: 72.999 ms

Loss rate: 4.49%

# Run 6: Report of TCP BBR — Data Link

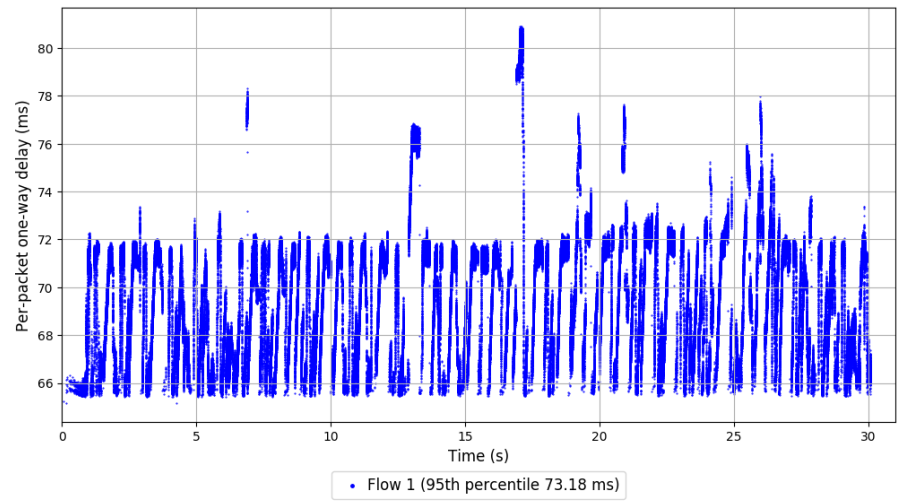
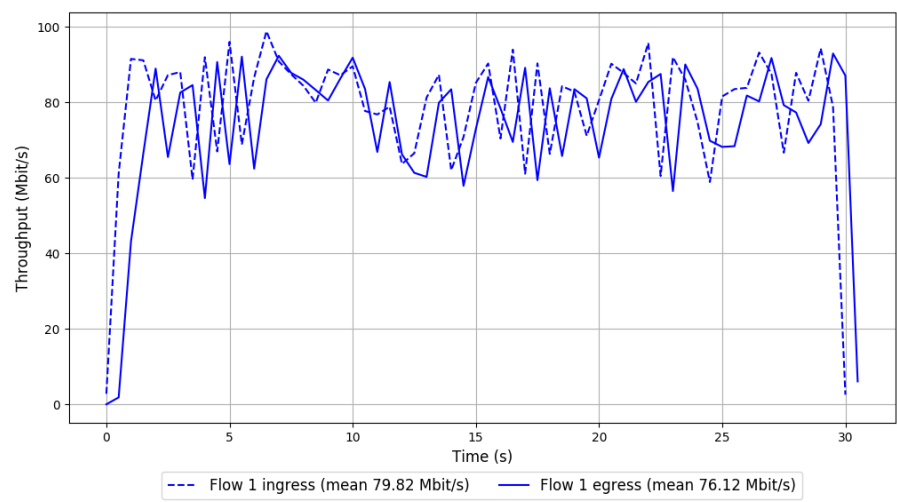


Run 7: Statistics of TCP BBR

Start at: 2018-05-24 05:33:56  
End at: 2018-05-24 05:34:26  
Local clock offset: 3.587 ms  
Remote clock offset: -0.735 ms

# Below is generated by plot.py at 2018-05-24 06:56:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 76.12 Mbit/s  
95th percentile per-packet one-way delay: 73.179 ms  
Loss rate: 4.62%  
-- Flow 1:  
Average throughput: 76.12 Mbit/s  
95th percentile per-packet one-way delay: 73.179 ms  
Loss rate: 4.62%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-05-24 05:54:25

End at: 2018-05-24 05:54:55

Local clock offset: 4.181 ms

Remote clock offset: 0.327 ms

# Below is generated by plot.py at 2018-05-24 06:56:42

# Datalink statistics

-- Total of 1 flow:

Average throughput: 55.94 Mbit/s

95th percentile per-packet one-way delay: 95.188 ms

Loss rate: 6.77%

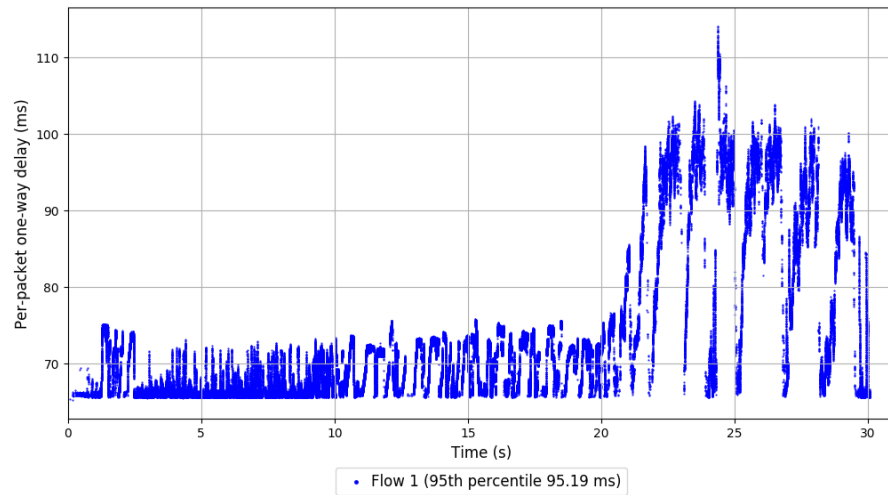
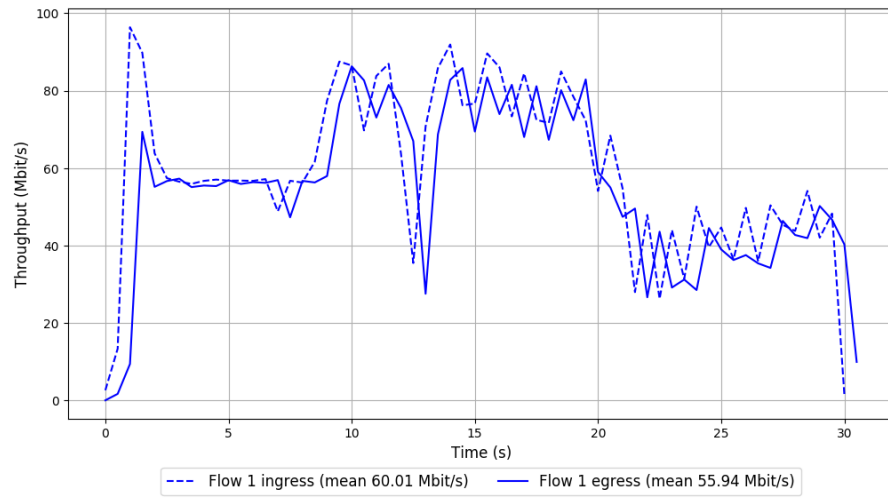
-- Flow 1:

Average throughput: 55.94 Mbit/s

95th percentile per-packet one-way delay: 95.188 ms

Loss rate: 6.77%

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



Run 9: Statistics of TCP BBR

Start at: 2018-05-24 06:14:55

End at: 2018-05-24 06:15:25

Local clock offset: 2.486 ms

Remote clock offset: 0.864 ms

# Below is generated by plot.py at 2018-05-24 06:57:11

# Datalink statistics

-- Total of 1 flow:

Average throughput: 65.03 Mbit/s

95th percentile per-packet one-way delay: 83.497 ms

Loss rate: 6.00%

-- Flow 1:

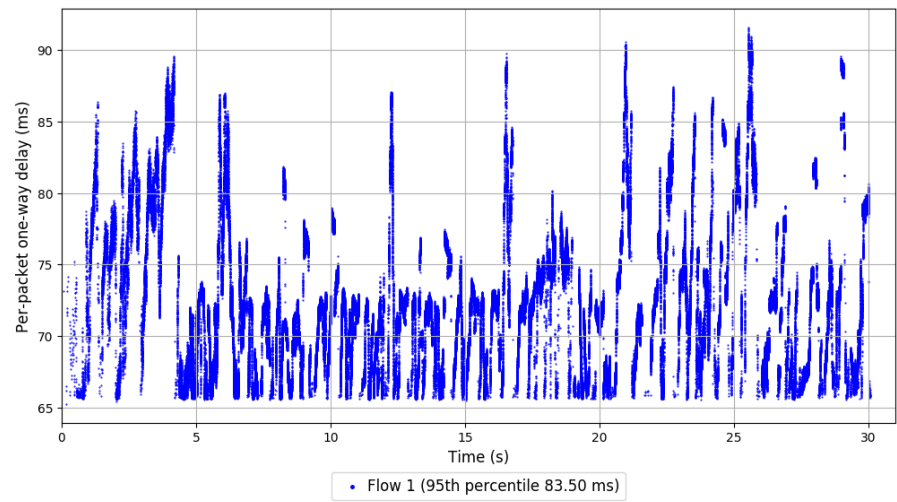
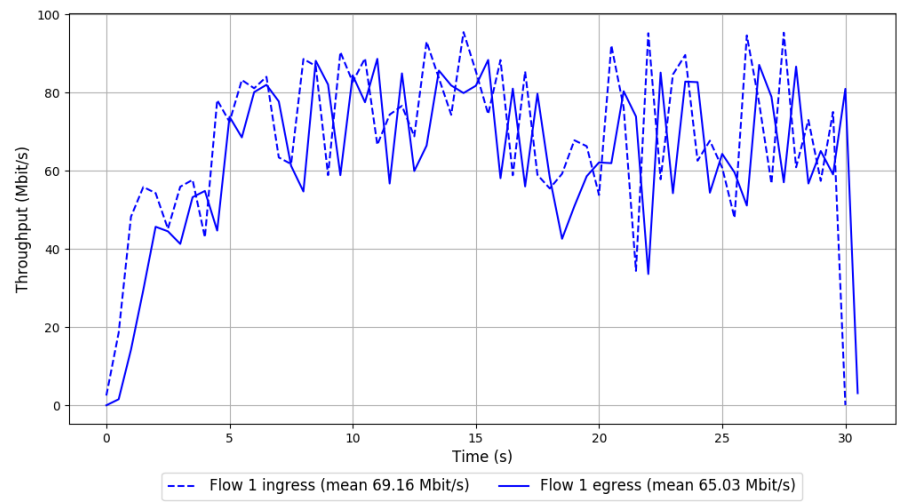
Average throughput: 65.03 Mbit/s

95th percentile per-packet one-way delay: 83.497 ms

Loss rate: 6.00%



Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-05-24 06:35:24

End at: 2018-05-24 06:35:54

Local clock offset: 3.583 ms

Remote clock offset: 1.379 ms

# Below is generated by plot.py at 2018-05-24 06:57:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.77 Mbit/s

95th percentile per-packet one-way delay: 73.716 ms

Loss rate: 5.45%

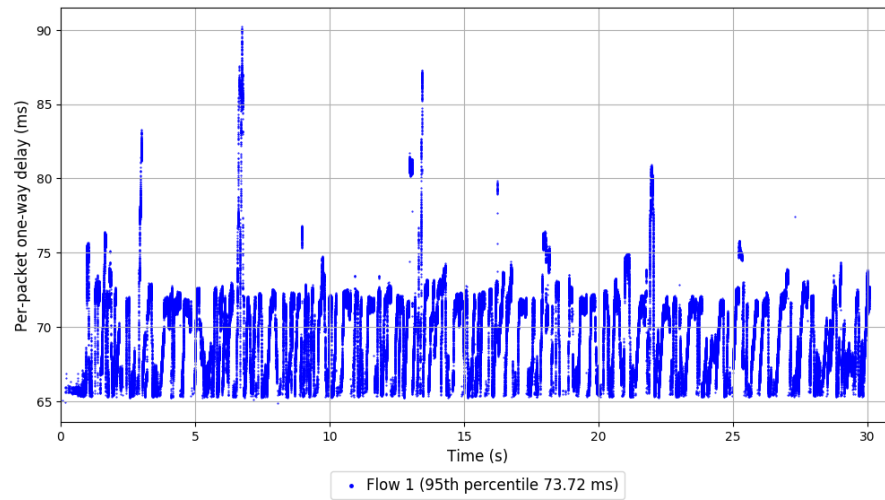
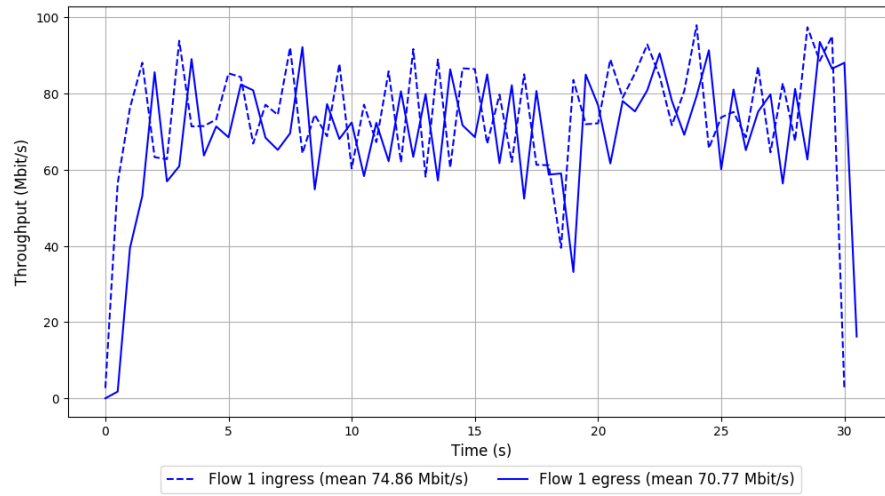
-- Flow 1:

Average throughput: 70.77 Mbit/s

95th percentile per-packet one-way delay: 73.716 ms

Loss rate: 5.45%

# Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-05-24 03:33:35

End at: 2018-05-24 03:34:05

Local clock offset: 2.973 ms

Remote clock offset: 0.216 ms

# Below is generated by plot.py at 2018-05-24 06:58:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 63.22 Mbit/s

95th percentile per-packet one-way delay: 72.616 ms

Loss rate: 4.65%

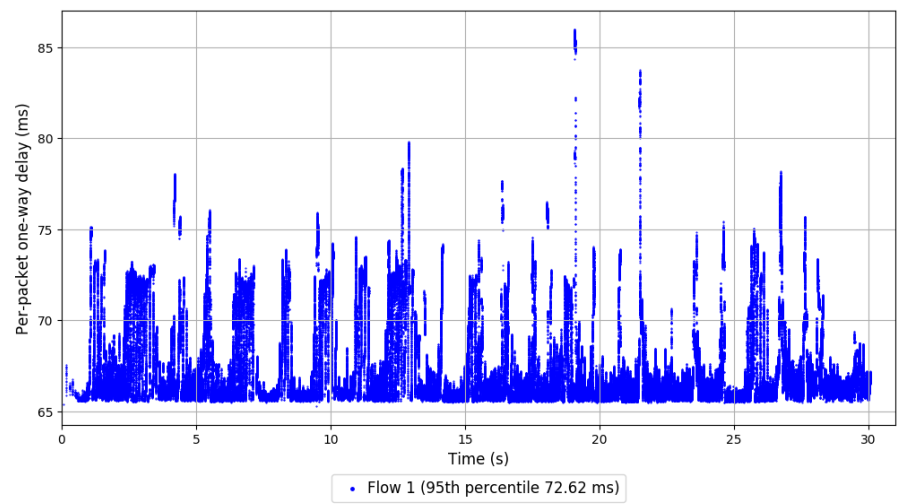
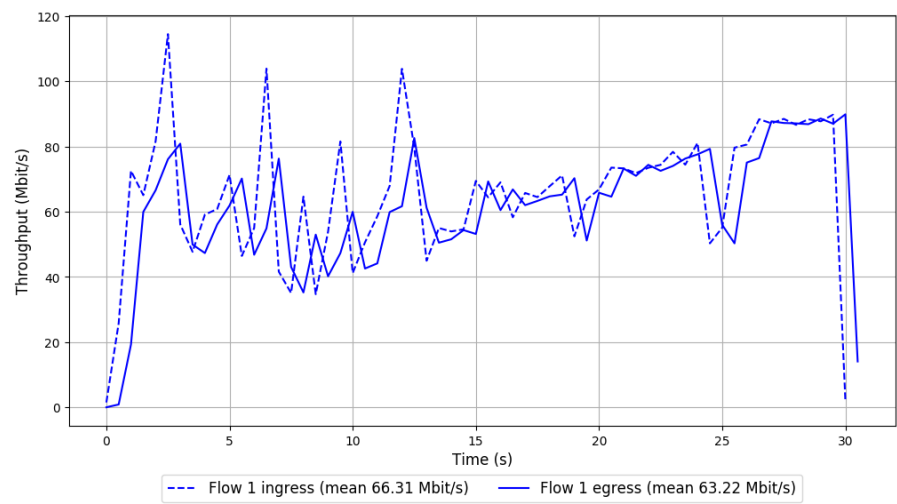
-- Flow 1:

Average throughput: 63.22 Mbit/s

95th percentile per-packet one-way delay: 72.616 ms

Loss rate: 4.65%

Run 1: Report of Copa — Data Link

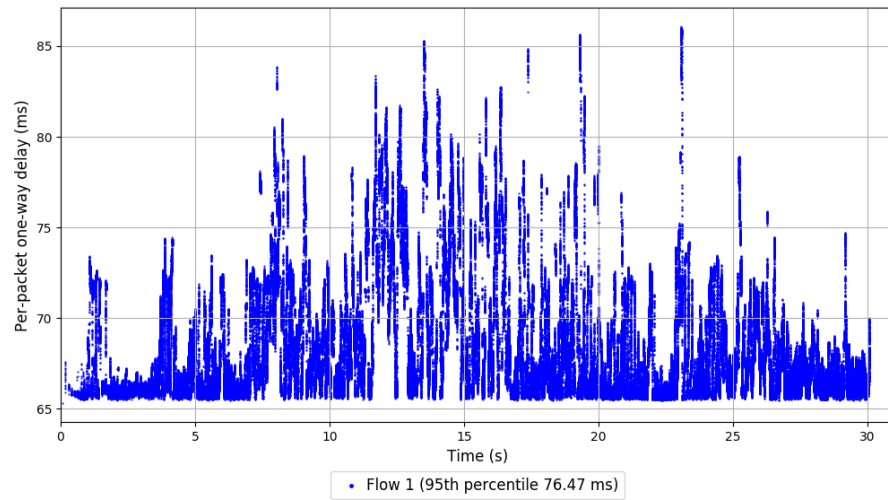
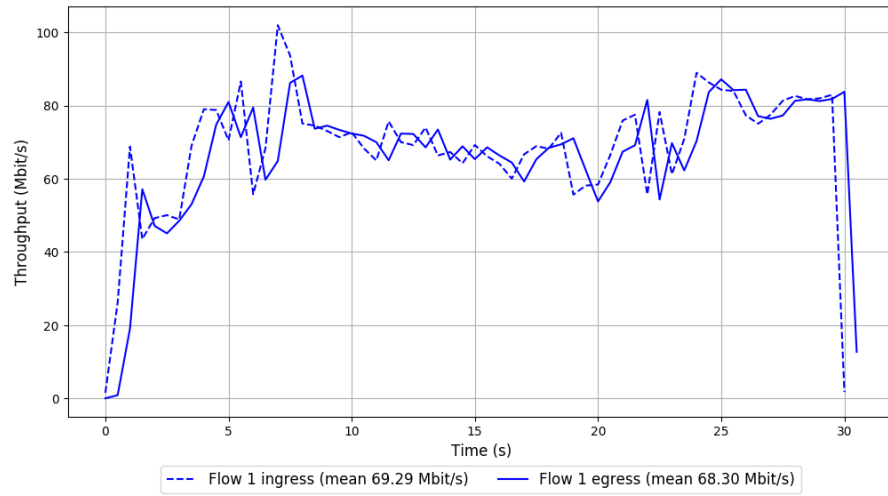


Run 2: Statistics of Copa

Start at: 2018-05-24 03:54:07  
End at: 2018-05-24 03:54:37  
Local clock offset: 2.402 ms  
Remote clock offset: -0.004 ms

# Below is generated by plot.py at 2018-05-24 06:58:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 68.30 Mbit/s  
95th percentile per-packet one-way delay: 76.466 ms  
Loss rate: 1.42%  
-- Flow 1:  
Average throughput: 68.30 Mbit/s  
95th percentile per-packet one-way delay: 76.466 ms  
Loss rate: 1.42%

## Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-05-24 04:14:42

End at: 2018-05-24 04:15:12

Local clock offset: 0.87 ms

Remote clock offset: 0.366 ms

# Below is generated by plot.py at 2018-05-24 06:58:13

# Datalink statistics

-- Total of 1 flow:

Average throughput: 65.77 Mbit/s

95th percentile per-packet one-way delay: 72.907 ms

Loss rate: 3.69%

-- Flow 1:

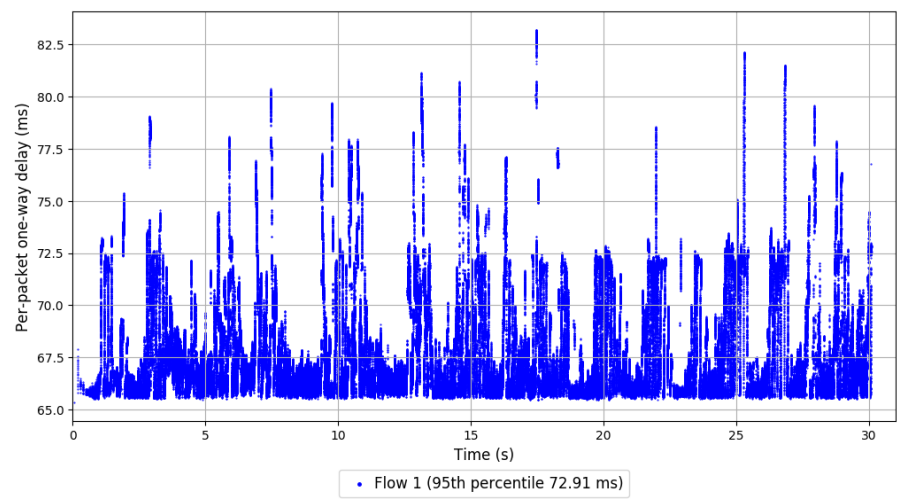
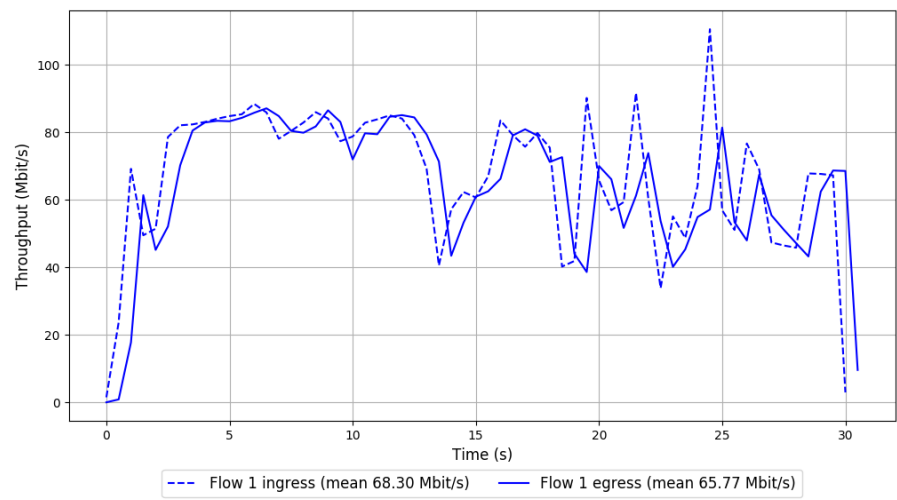
Average throughput: 65.77 Mbit/s

95th percentile per-packet one-way delay: 72.907 ms

Loss rate: 3.69%



Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-05-24 04:35:47

End at: 2018-05-24 04:36:17

Local clock offset: 0.596 ms

Remote clock offset: 0.061 ms

# Below is generated by plot.py at 2018-05-24 06:58:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 69.69 Mbit/s

95th percentile per-packet one-way delay: 76.797 ms

Loss rate: 1.70%

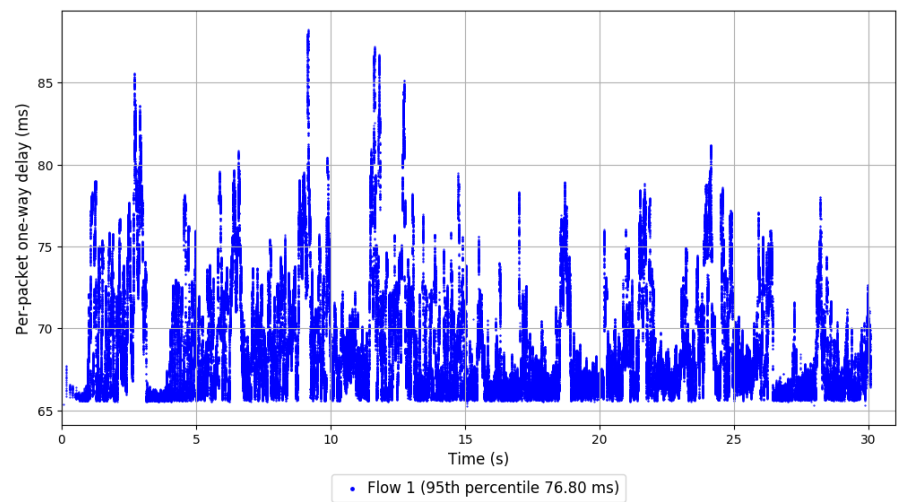
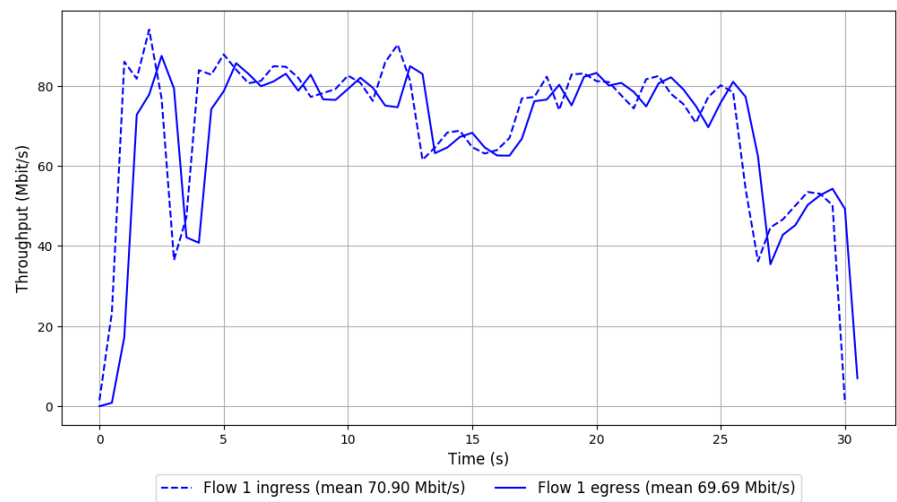
-- Flow 1:

Average throughput: 69.69 Mbit/s

95th percentile per-packet one-way delay: 76.797 ms

Loss rate: 1.70%

Run 4: Report of Copa — Data Link

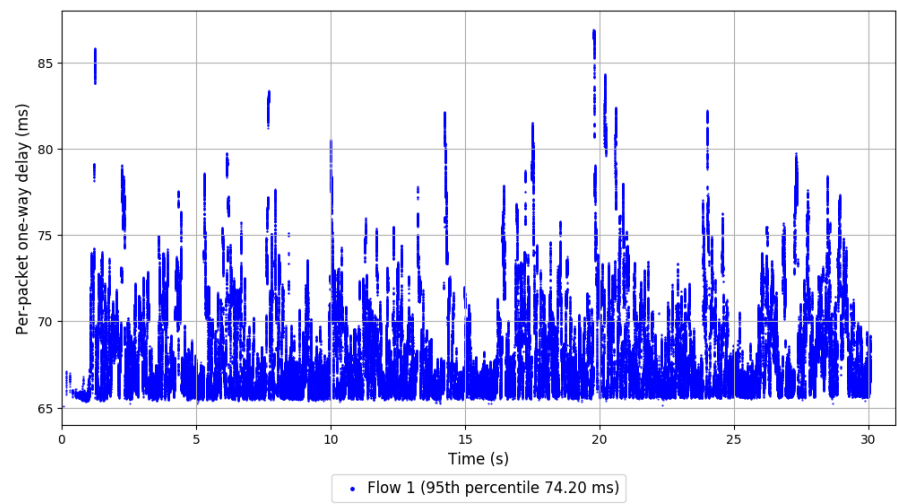
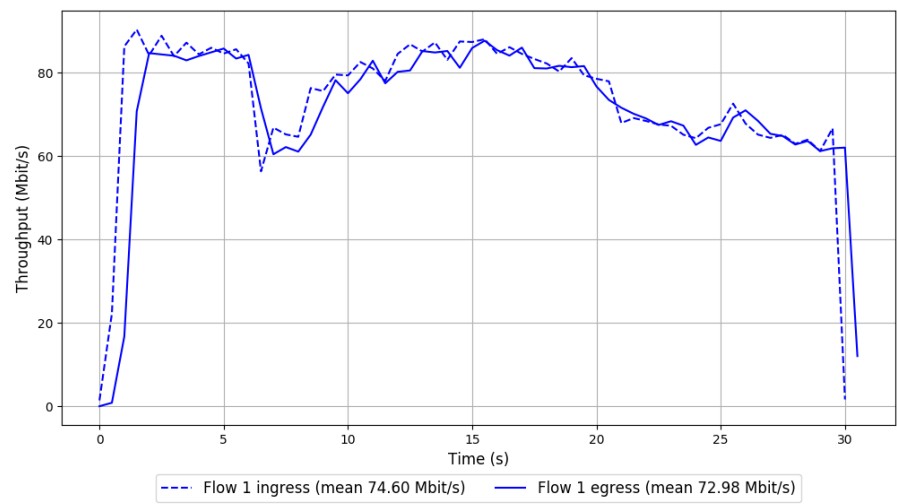


Run 5: Statistics of Copa

Start at: 2018-05-24 04:56:54  
End at: 2018-05-24 04:57:25  
Local clock offset: 0.621 ms  
Remote clock offset: -0.299 ms

# Below is generated by plot.py at 2018-05-24 06:58:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 72.98 Mbit/s  
95th percentile per-packet one-way delay: 74.197 ms  
Loss rate: 2.17%  
-- Flow 1:  
Average throughput: 72.98 Mbit/s  
95th percentile per-packet one-way delay: 74.197 ms  
Loss rate: 2.17%

Run 5: Report of Copa — Data Link

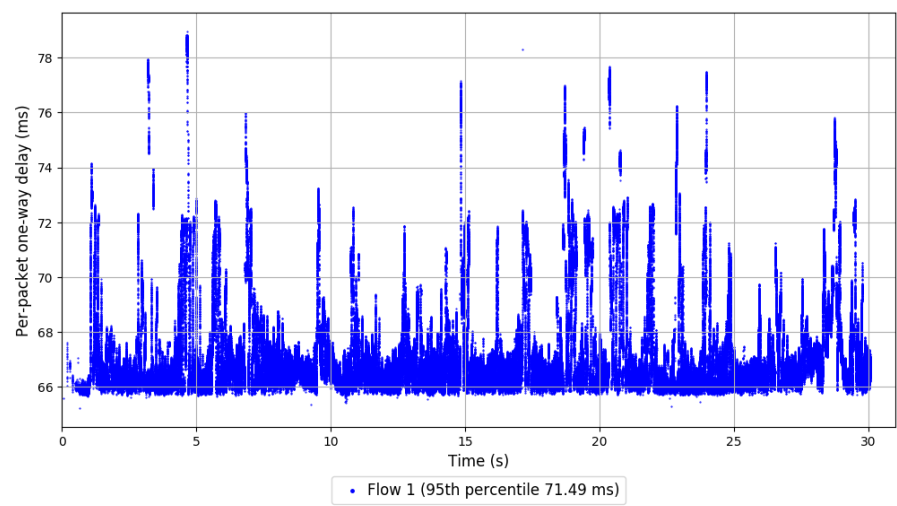
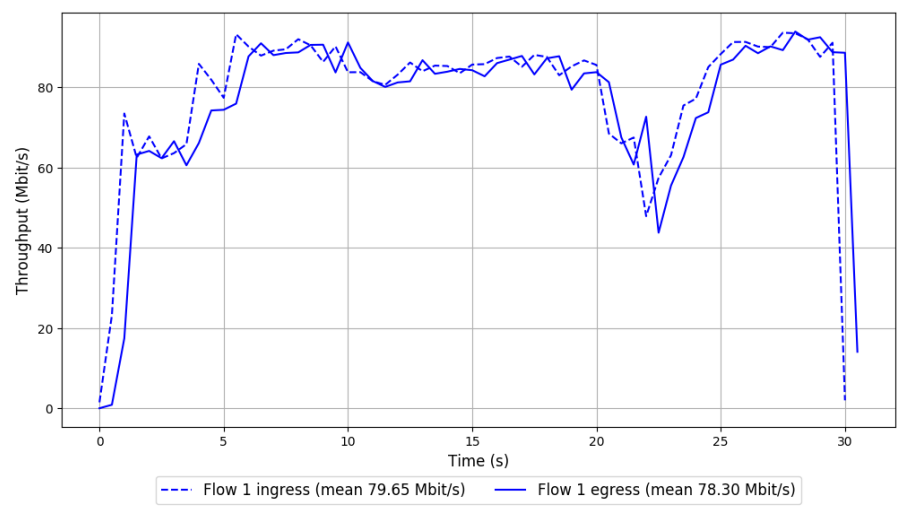


Run 6: Statistics of Copa

Start at: 2018-05-24 05:17:26  
End at: 2018-05-24 05:17:56  
Local clock offset: 3.101 ms  
Remote clock offset: -0.581 ms

# Below is generated by plot.py at 2018-05-24 06:58:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.30 Mbit/s  
95th percentile per-packet one-way delay: 71.492 ms  
Loss rate: 1.69%  
-- Flow 1:  
Average throughput: 78.30 Mbit/s  
95th percentile per-packet one-way delay: 71.492 ms  
Loss rate: 1.69%

Run 6: Report of Copa — Data Link



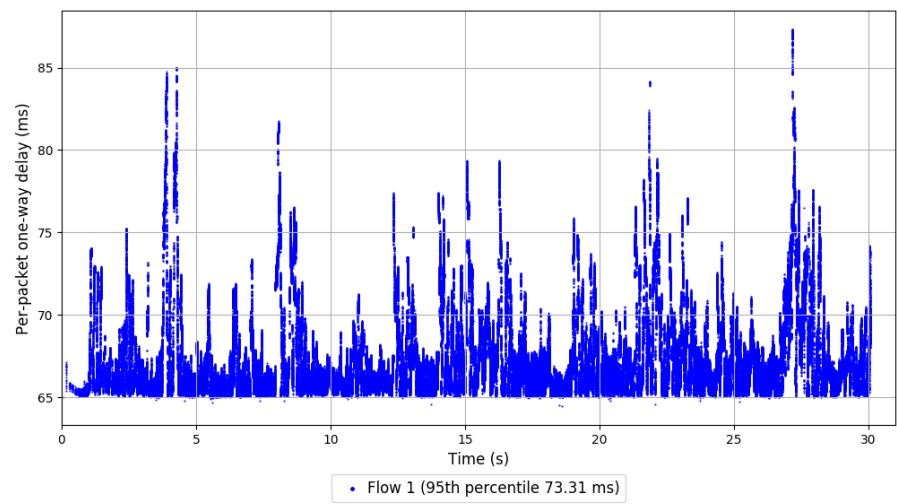
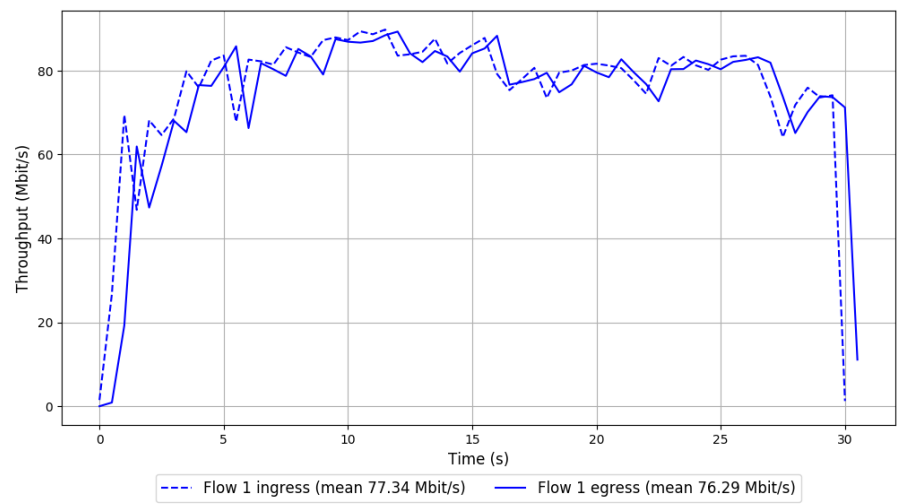
Run 7: Statistics of Copa

Start at: 2018-05-24 05:37:54  
End at: 2018-05-24 05:38:24  
Local clock offset: 3.941 ms  
Remote clock offset: -0.904 ms

# Below is generated by plot.py at 2018-05-24 06:59:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 76.29 Mbit/s  
95th percentile per-packet one-way delay: 73.311 ms  
Loss rate: 1.35%  
-- Flow 1:  
Average throughput: 76.29 Mbit/s  
95th percentile per-packet one-way delay: 73.311 ms  
Loss rate: 1.35%



Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-05-24 05:58:21

End at: 2018-05-24 05:58:52

Local clock offset: 3.898 ms

Remote clock offset: 0.249 ms

# Below is generated by plot.py at 2018-05-24 06:59:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 59.27 Mbit/s

95th percentile per-packet one-way delay: 77.145 ms

Loss rate: 2.59%

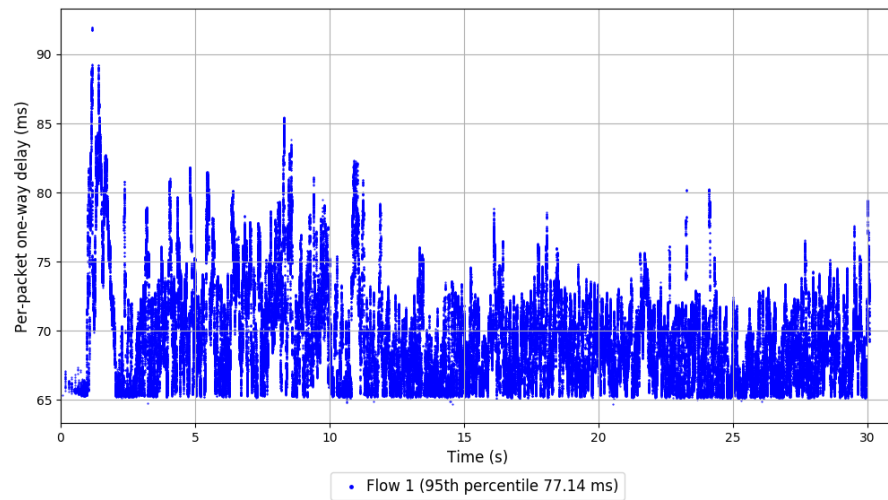
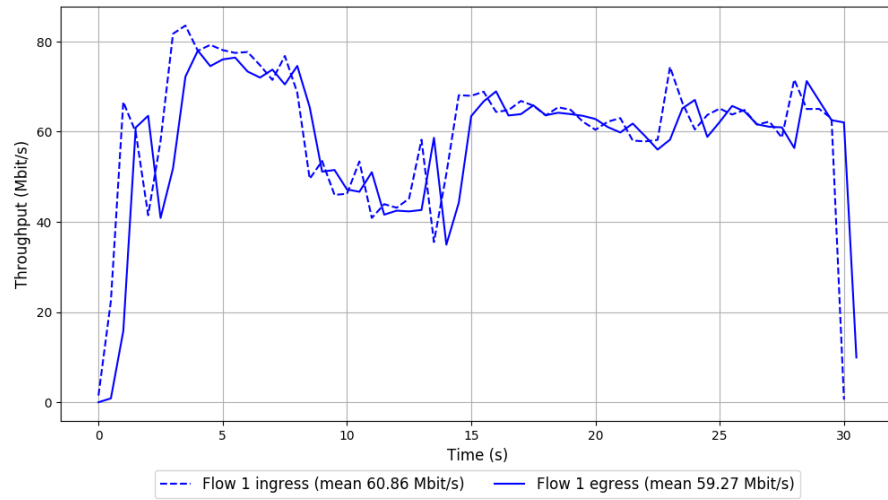
-- Flow 1:

Average throughput: 59.27 Mbit/s

95th percentile per-packet one-way delay: 77.145 ms

Loss rate: 2.59%

## Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-05-24 06:18:50

End at: 2018-05-24 06:19:20

Local clock offset: 2.396 ms

Remote clock offset: 1.12 ms

# Below is generated by plot.py at 2018-05-24 06:59:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 52.42 Mbit/s

95th percentile per-packet one-way delay: 78.031 ms

Loss rate: 2.32%

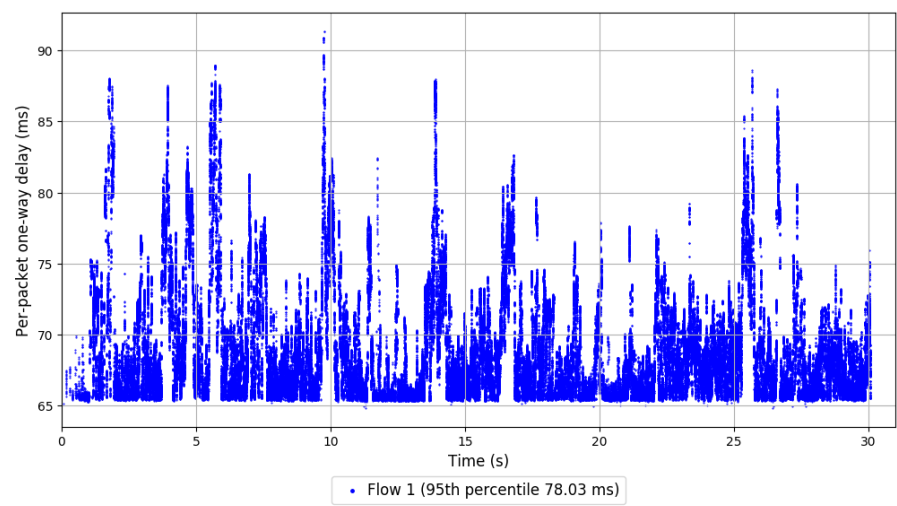
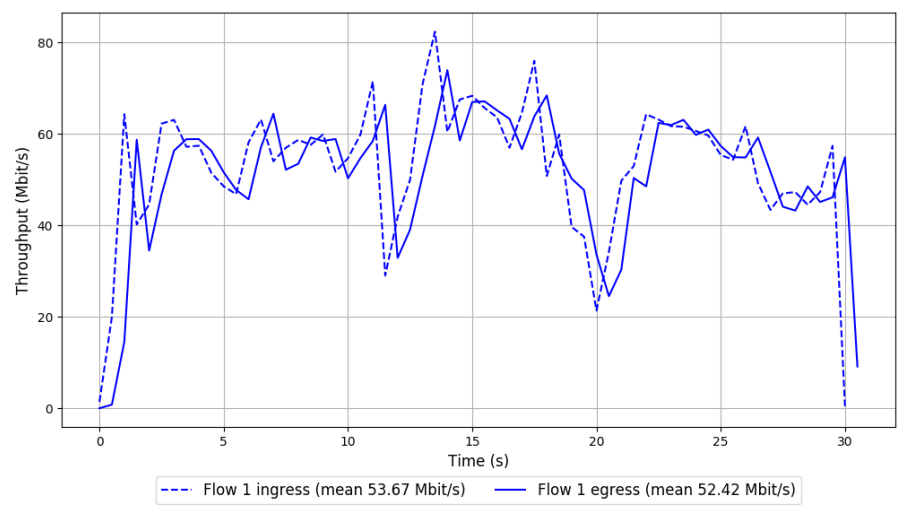
-- Flow 1:

Average throughput: 52.42 Mbit/s

95th percentile per-packet one-way delay: 78.031 ms

Loss rate: 2.32%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-05-24 06:39:20

End at: 2018-05-24 06:39:51

Local clock offset: 3.93 ms

Remote clock offset: 1.526 ms

# Below is generated by plot.py at 2018-05-24 06:59:58

# Datalink statistics

-- Total of 1 flow:

Average throughput: 63.51 Mbit/s

95th percentile per-packet one-way delay: 78.249 ms

Loss rate: 1.57%

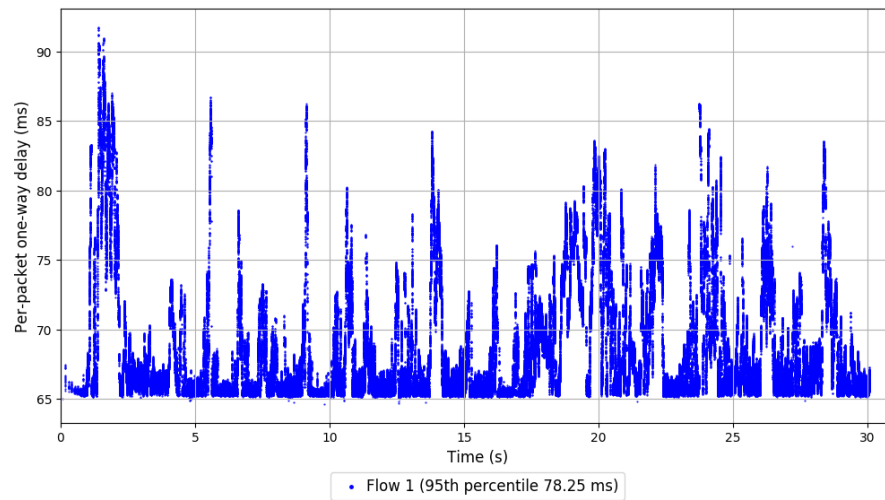
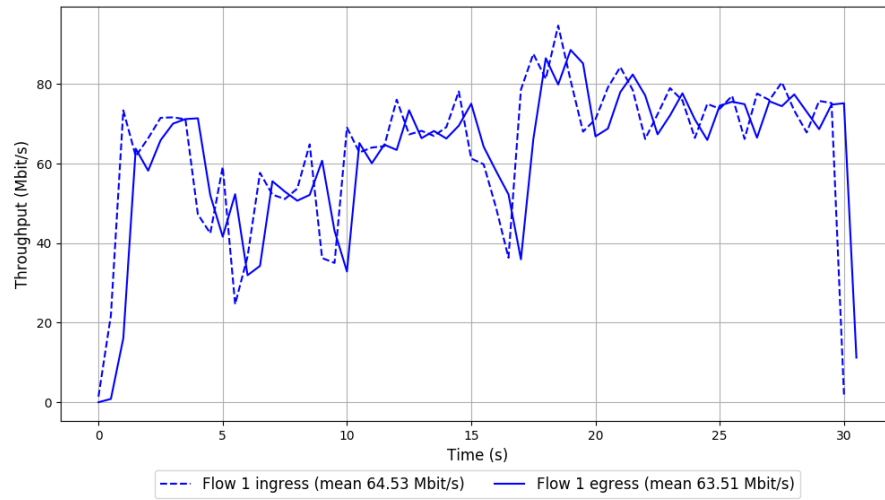
-- Flow 1:

Average throughput: 63.51 Mbit/s

95th percentile per-packet one-way delay: 78.249 ms

Loss rate: 1.57%

# Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-05-24 03:36:12

End at: 2018-05-24 03:36:42

Local clock offset: 2.846 ms

Remote clock offset: 0.155 ms

# Below is generated by plot.py at 2018-05-24 06:59:58

# Datalink statistics

-- Total of 1 flow:

Average throughput: 20.17 Mbit/s

95th percentile per-packet one-way delay: 66.883 ms

Loss rate: 0.26%

-- Flow 1:

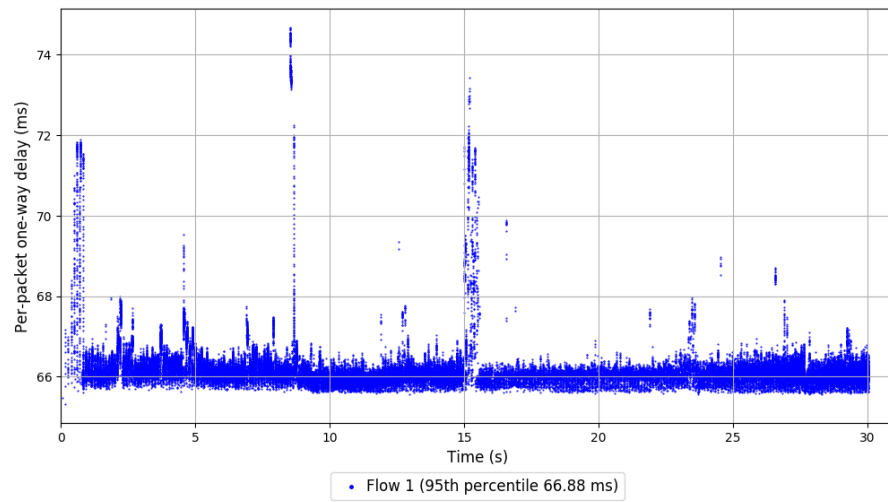
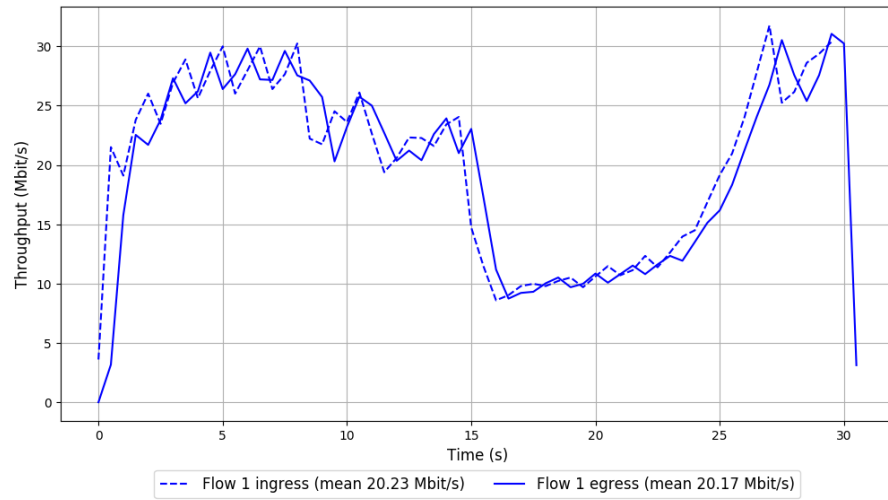
Average throughput: 20.17 Mbit/s

95th percentile per-packet one-way delay: 66.883 ms

Loss rate: 0.26%



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



Run 2: Statistics of TCP Cubic

Start at: 2018-05-24 03:56:44

End at: 2018-05-24 03:57:14

Local clock offset: 2.291 ms

Remote clock offset: 0.025 ms

# Below is generated by plot.py at 2018-05-24 06:59:58

# Datalink statistics

-- Total of 1 flow:

Average throughput: 17.84 Mbit/s

95th percentile per-packet one-way delay: 66.399 ms

Loss rate: 0.12%

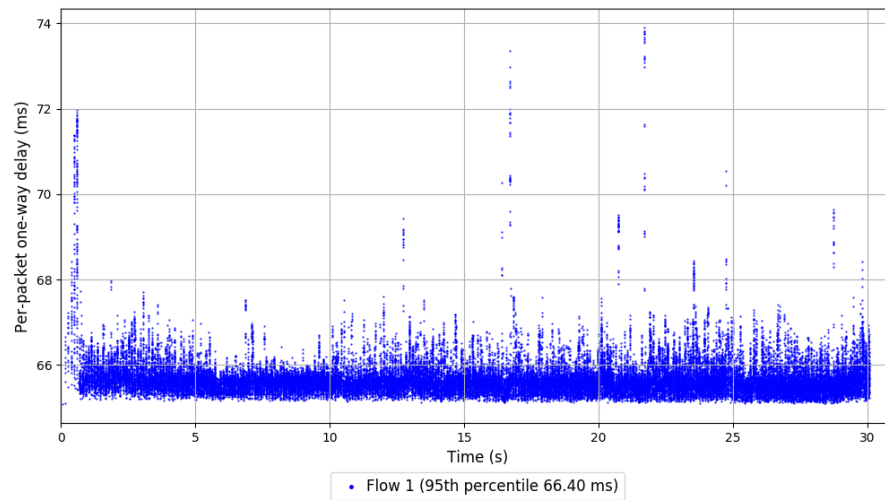
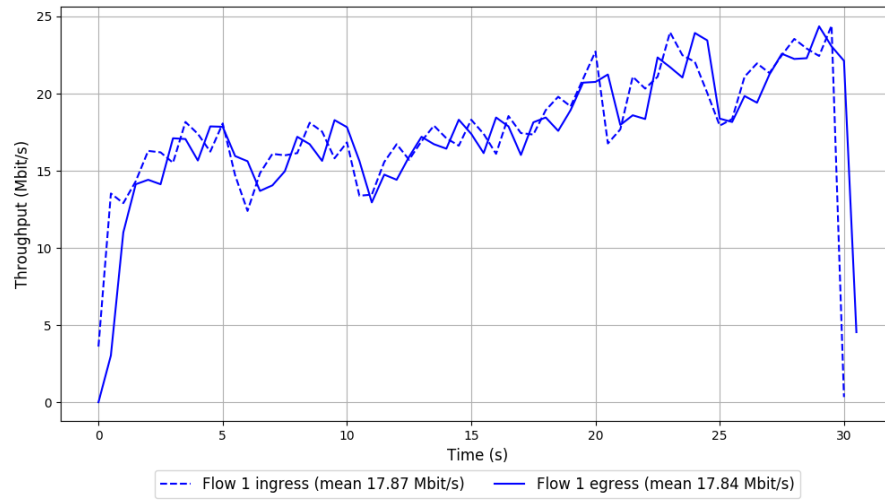
-- Flow 1:

Average throughput: 17.84 Mbit/s

95th percentile per-packet one-way delay: 66.399 ms

Loss rate: 0.12%

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



Run 3: Statistics of TCP Cubic

Start at: 2018-05-24 04:17:19

End at: 2018-05-24 04:17:49

Local clock offset: 0.649 ms

Remote clock offset: 0.309 ms

# Below is generated by plot.py at 2018-05-24 06:59:58

# Datalink statistics

-- Total of 1 flow:

Average throughput: 15.37 Mbit/s

95th percentile per-packet one-way delay: 66.363 ms

Loss rate: 0.19%

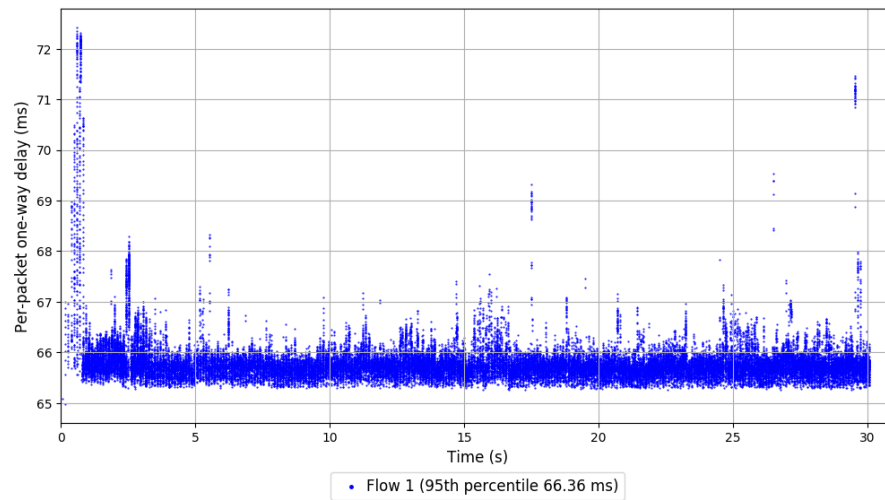
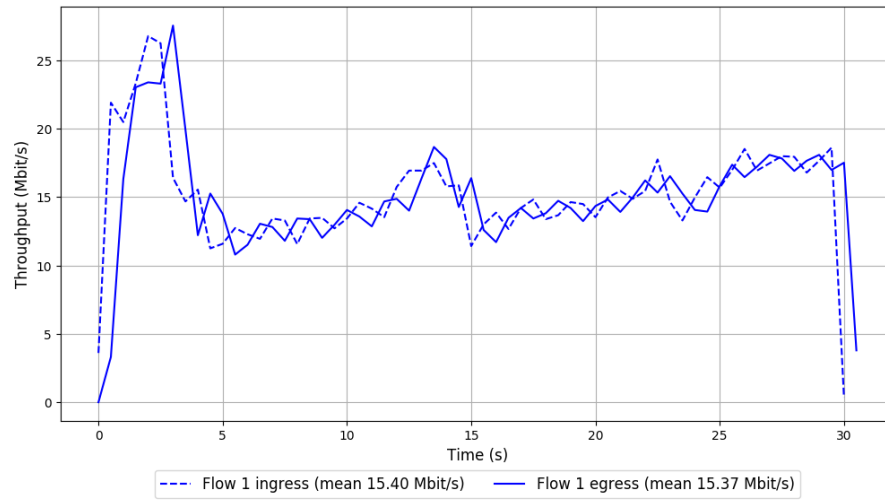
-- Flow 1:

Average throughput: 15.37 Mbit/s

95th percentile per-packet one-way delay: 66.363 ms

Loss rate: 0.19%

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



Run 4: Statistics of TCP Cubic

Start at: 2018-05-24 04:38:25

End at: 2018-05-24 04:38:55

Local clock offset: 0.7 ms

Remote clock offset: 0.094 ms

# Below is generated by plot.py at 2018-05-24 06:59:58

# Datalink statistics

-- Total of 1 flow:

Average throughput: 3.96 Mbit/s

95th percentile per-packet one-way delay: 68.275 ms

Loss rate: 1.45%

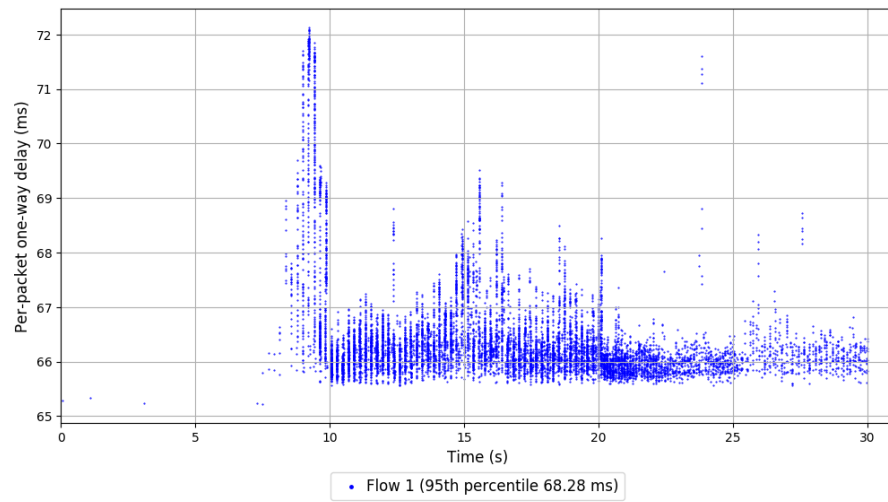
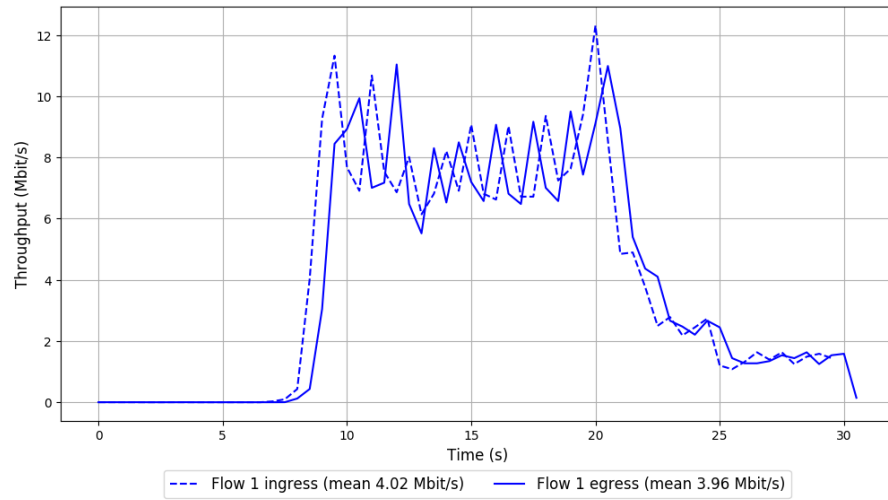
-- Flow 1:

Average throughput: 3.96 Mbit/s

95th percentile per-packet one-way delay: 68.275 ms

Loss rate: 1.45%

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



Run 5: Statistics of TCP Cubic

Start at: 2018-05-24 04:59:31

End at: 2018-05-24 05:00:01

Local clock offset: 1.209 ms

Remote clock offset: -0.43 ms

# Below is generated by plot.py at 2018-05-24 06:59:58

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.81 Mbit/s

95th percentile per-packet one-way delay: 66.816 ms

Loss rate: 0.64%

-- Flow 1:

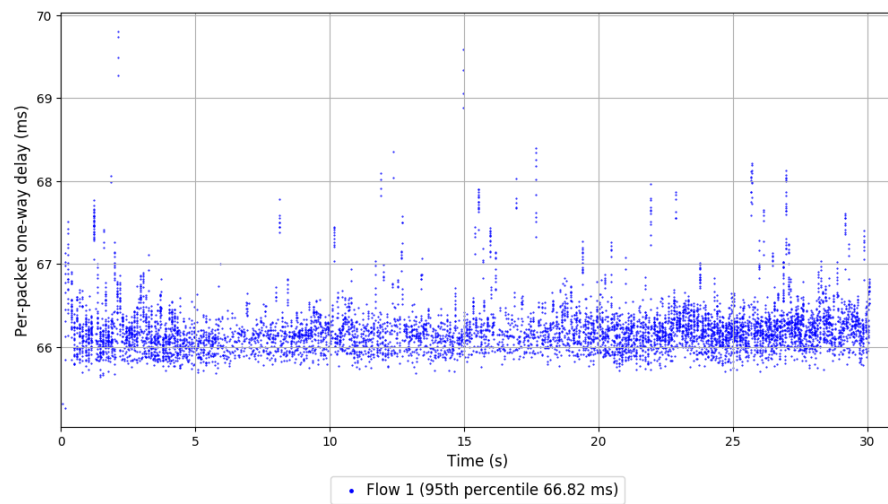
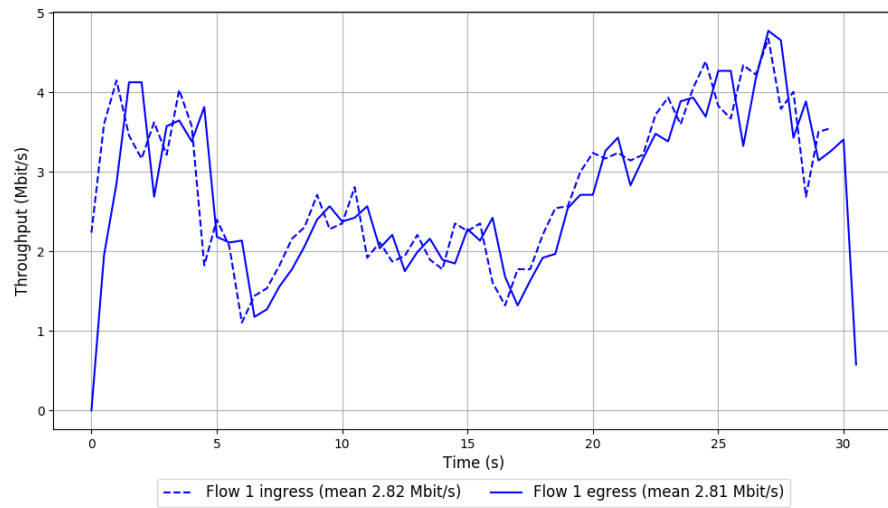
Average throughput: 2.81 Mbit/s

95th percentile per-packet one-way delay: 66.816 ms

Loss rate: 0.64%



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

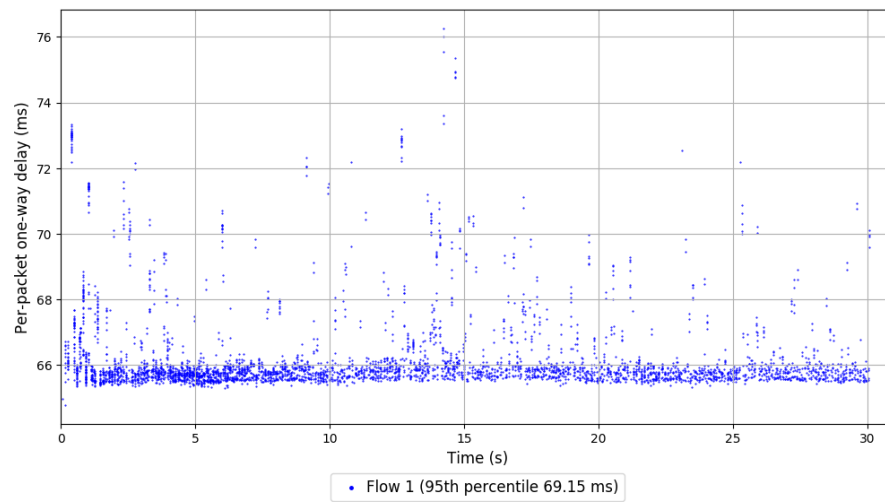
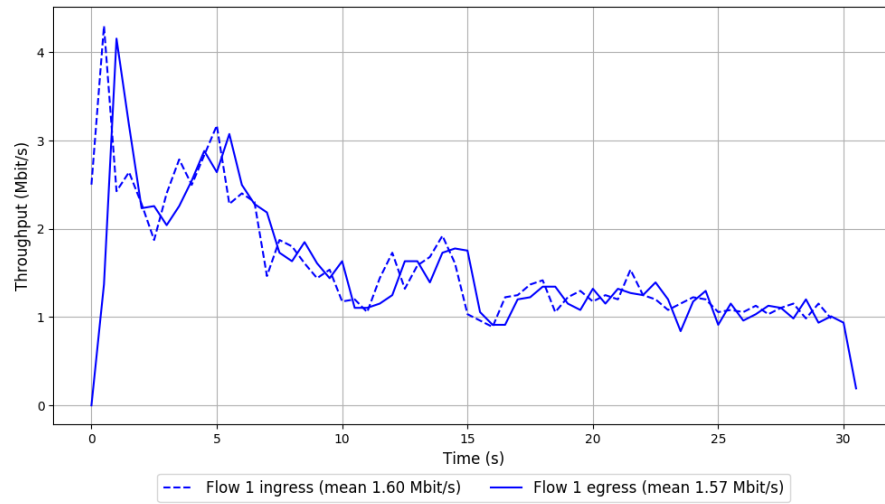


Run 6: Statistics of TCP Cubic

Start at: 2018-05-24 05:20:03  
End at: 2018-05-24 05:20:33  
Local clock offset: 3.487 ms  
Remote clock offset: -0.674 ms

# Below is generated by plot.py at 2018-05-24 06:59:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.57 Mbit/s  
95th percentile per-packet one-way delay: 69.154 ms  
Loss rate: 1.93%  
-- Flow 1:  
Average throughput: 1.57 Mbit/s  
95th percentile per-packet one-way delay: 69.154 ms  
Loss rate: 1.93%

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

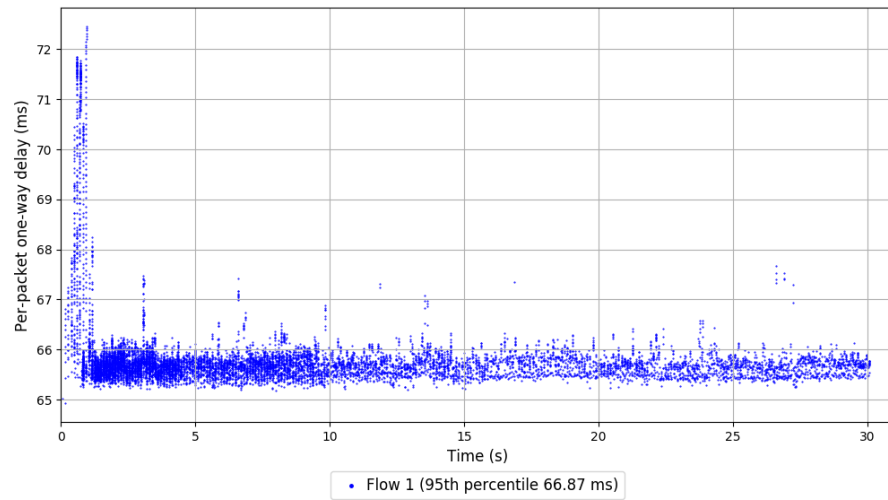
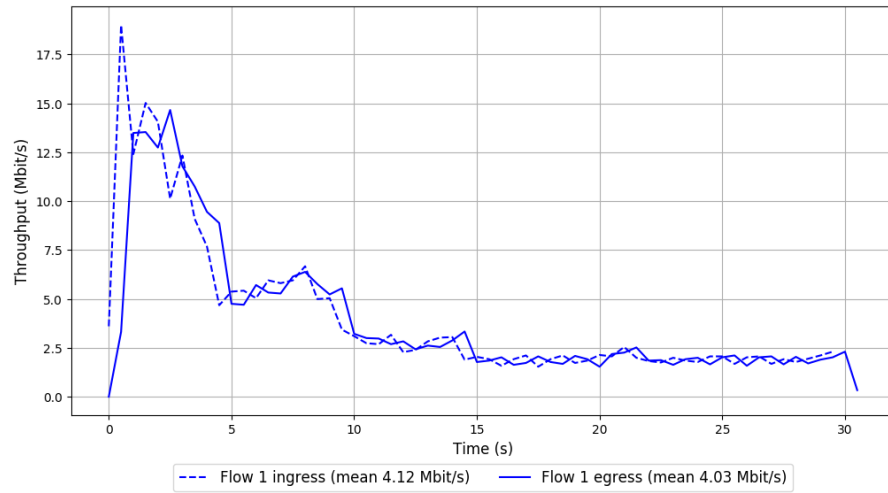


Run 7: Statistics of TCP Cubic

Start at: 2018-05-24 05:40:30  
End at: 2018-05-24 05:41:00  
Local clock offset: 3.867 ms  
Remote clock offset: -0.537 ms

# Below is generated by plot.py at 2018-05-24 06:59:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 4.03 Mbit/s  
95th percentile per-packet one-way delay: 66.872 ms  
Loss rate: 2.22%  
-- Flow 1:  
Average throughput: 4.03 Mbit/s  
95th percentile per-packet one-way delay: 66.872 ms  
Loss rate: 2.22%

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



Run 8: Statistics of TCP Cubic

Start at: 2018-05-24 06:00:57

End at: 2018-05-24 06:01:27

Local clock offset: 3.4 ms

Remote clock offset: 0.48 ms

# Below is generated by plot.py at 2018-05-24 06:59:58

# Datalink statistics

-- Total of 1 flow:

Average throughput: 3.55 Mbit/s

95th percentile per-packet one-way delay: 66.931 ms

Loss rate: 1.96%

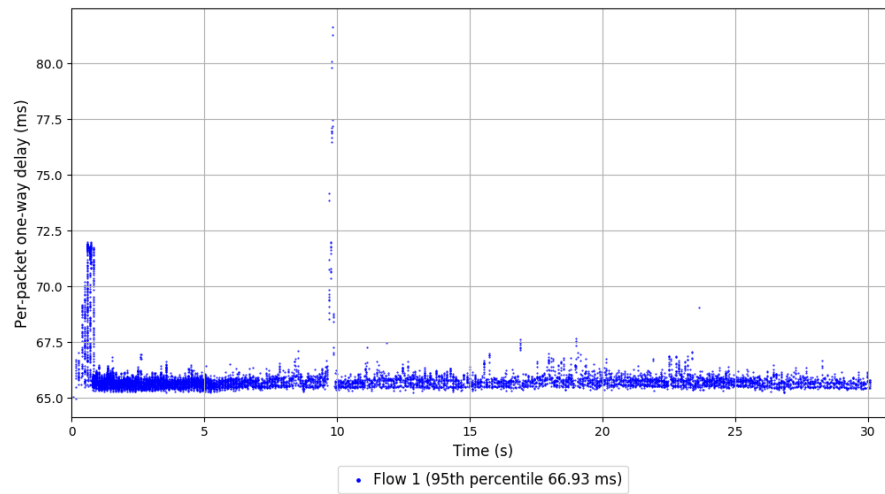
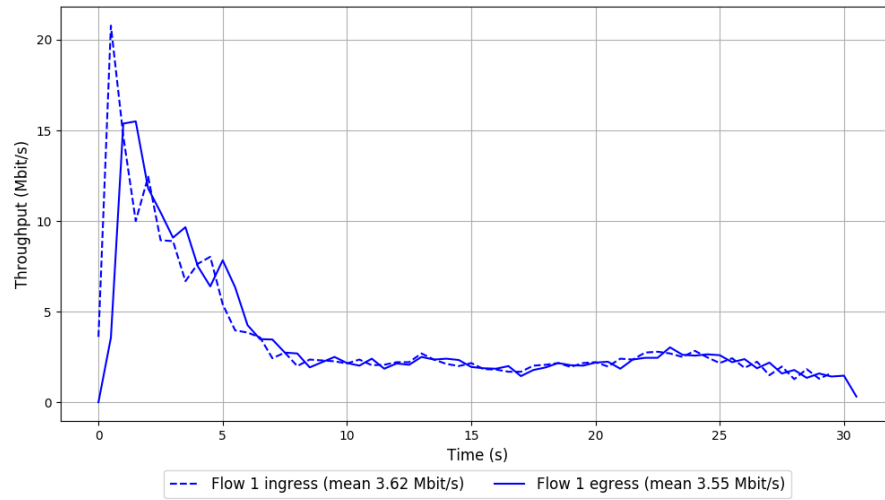
-- Flow 1:

Average throughput: 3.55 Mbit/s

95th percentile per-packet one-way delay: 66.931 ms

Loss rate: 1.96%

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



Run 9: Statistics of TCP Cubic

Start at: 2018-05-24 06:21:25

End at: 2018-05-24 06:21:55

Local clock offset: 2.348 ms

Remote clock offset: 1.015 ms

# Below is generated by plot.py at 2018-05-24 06:59:58

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.68 Mbit/s

95th percentile per-packet one-way delay: 67.477 ms

Loss rate: 1.29%

-- Flow 1:

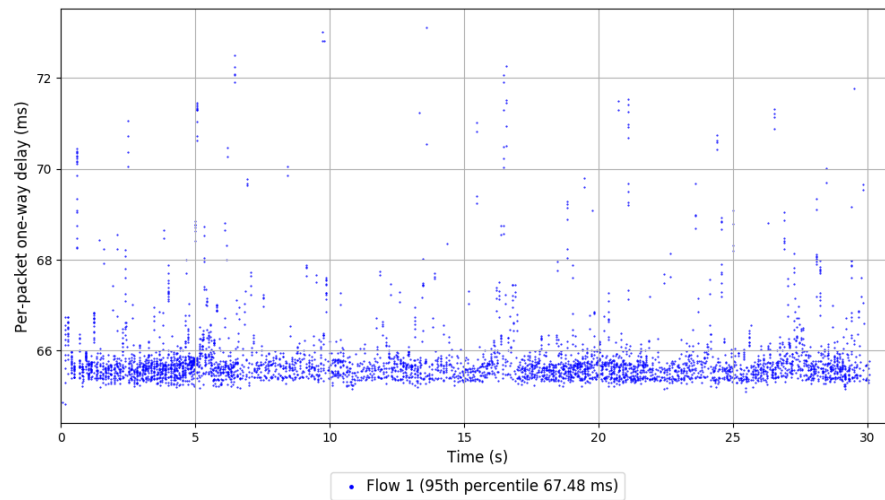
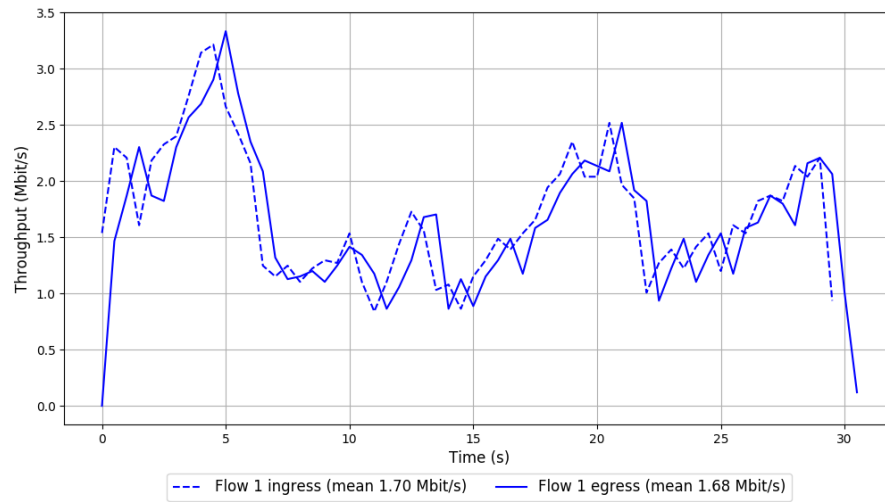
Average throughput: 1.68 Mbit/s

95th percentile per-packet one-way delay: 67.477 ms

Loss rate: 1.29%



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



Run 10: Statistics of TCP Cubic

Start at: 2018-05-24 06:41:57

End at: 2018-05-24 06:42:27

Local clock offset: 4.035 ms

Remote clock offset: 1.056 ms

# Below is generated by plot.py at 2018-05-24 06:59:58

# Datalink statistics

-- Total of 1 flow:

Average throughput: 3.21 Mbit/s

95th percentile per-packet one-way delay: 67.577 ms

Loss rate: 0.73%

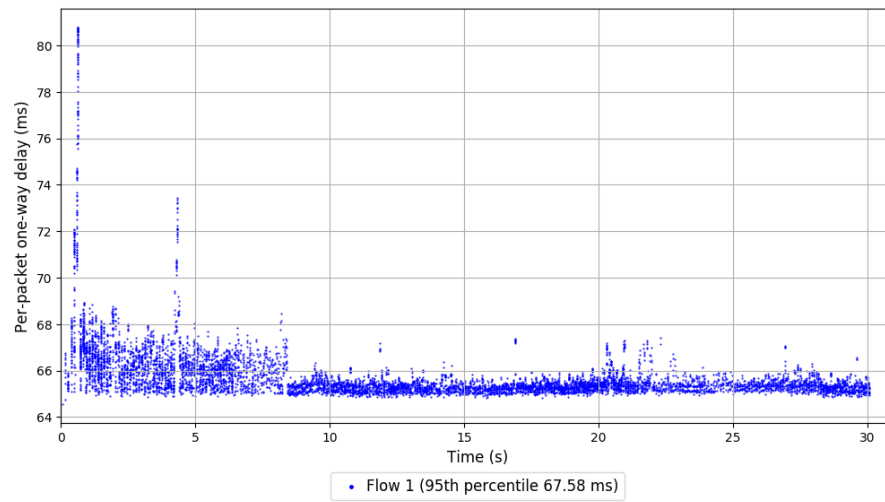
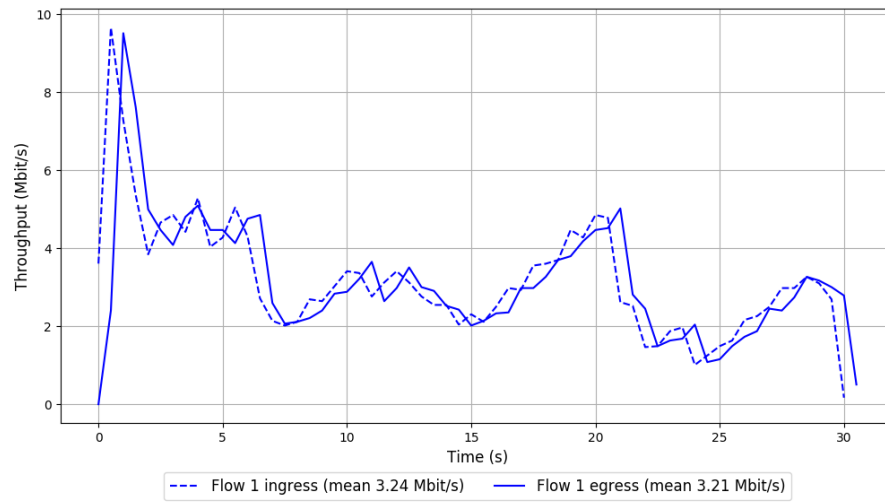
-- Flow 1:

Average throughput: 3.21 Mbit/s

95th percentile per-packet one-way delay: 67.577 ms

Loss rate: 0.73%

# Run 10: Report of TCP Cubic — Data Link

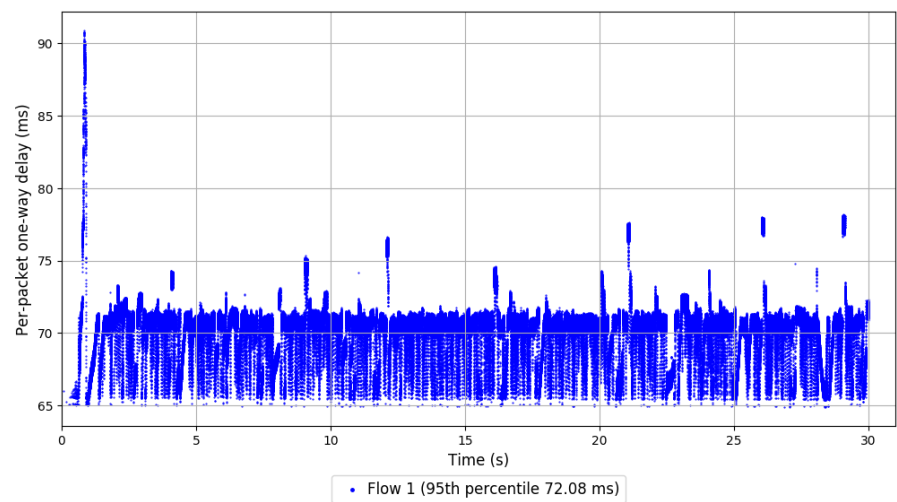
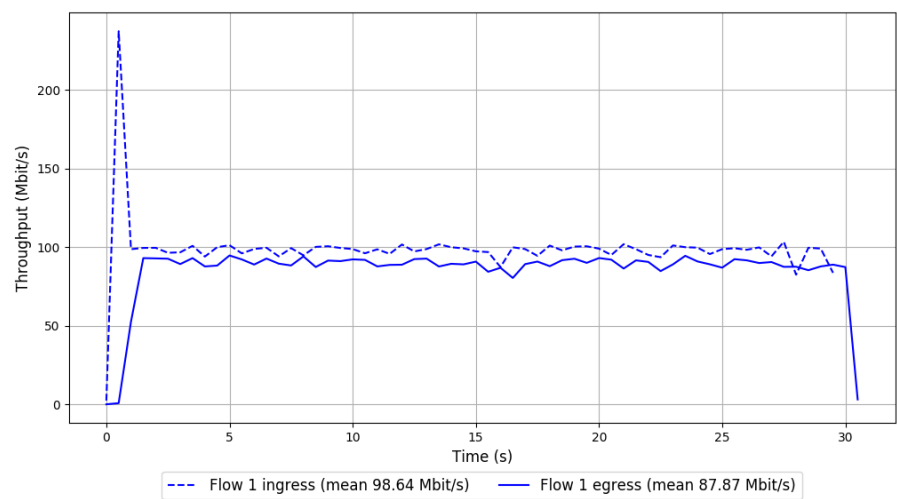


```
Run 1: Statistics of FillP

Start at: 2018-05-24 03:32:17
End at: 2018-05-24 03:32:47
Local clock offset: 3.192 ms
Remote clock offset: 0.252 ms

# Below is generated by plot.py at 2018-05-24 07:00:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.87 Mbit/s
95th percentile per-packet one-way delay: 72.082 ms
Loss rate: 10.90%
-- Flow 1:
Average throughput: 87.87 Mbit/s
95th percentile per-packet one-way delay: 72.082 ms
Loss rate: 10.90%
```

Run 1: Report of FillP — Data Link

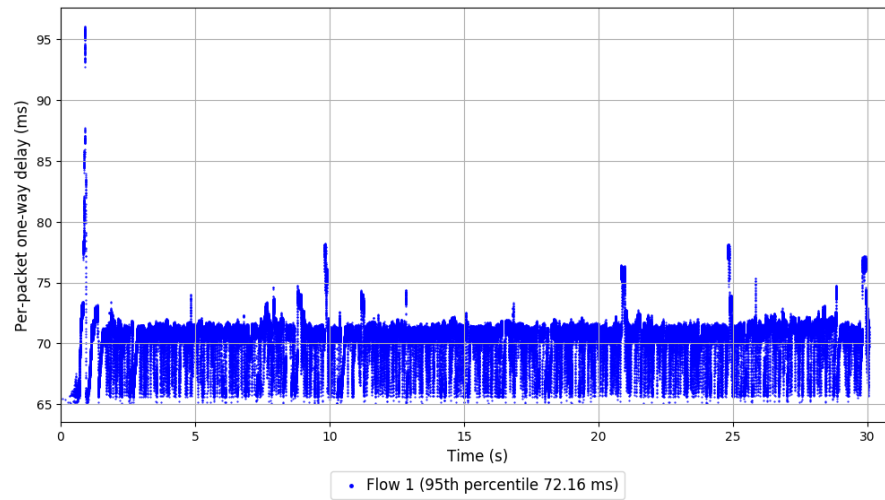
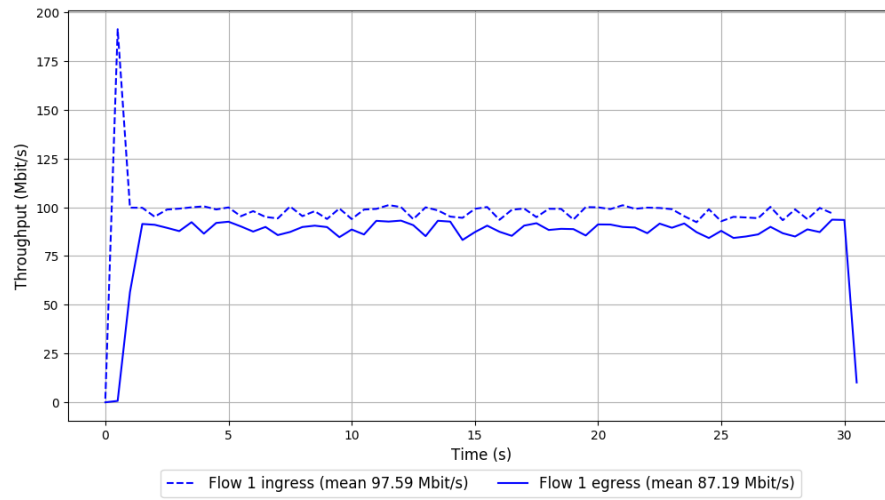


Run 2: Statistics of FillP

Start at: 2018-05-24 03:52:48  
End at: 2018-05-24 03:53:18  
Local clock offset: 2.274 ms  
Remote clock offset: -0.009 ms

# Below is generated by plot.py at 2018-05-24 07:00:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.19 Mbit/s  
95th percentile per-packet one-way delay: 72.155 ms  
Loss rate: 10.64%  
-- Flow 1:  
Average throughput: 87.19 Mbit/s  
95th percentile per-packet one-way delay: 72.155 ms  
Loss rate: 10.64%

## Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-05-24 04:13:23

End at: 2018-05-24 04:13:53

Local clock offset: 0.929 ms

Remote clock offset: 0.291 ms

# Below is generated by plot.py at 2018-05-24 07:00:13

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.03 Mbit/s

95th percentile per-packet one-way delay: 72.279 ms

Loss rate: 10.93%

-- Flow 1:

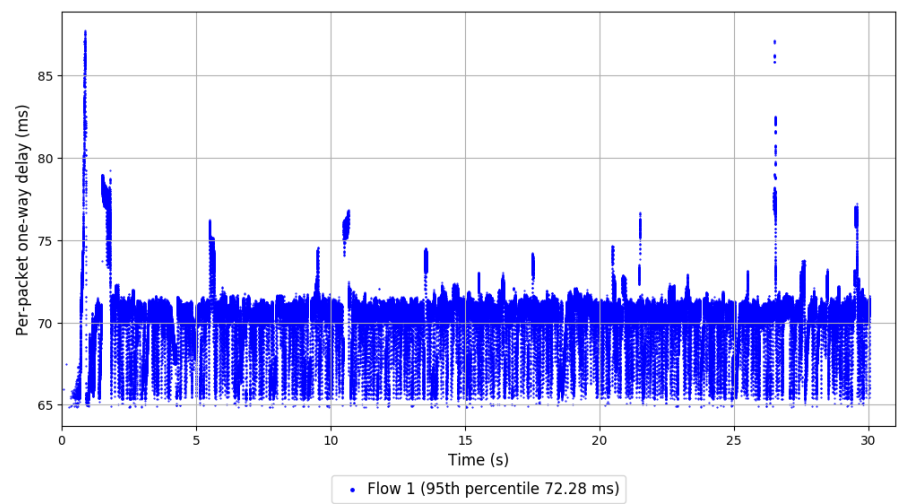
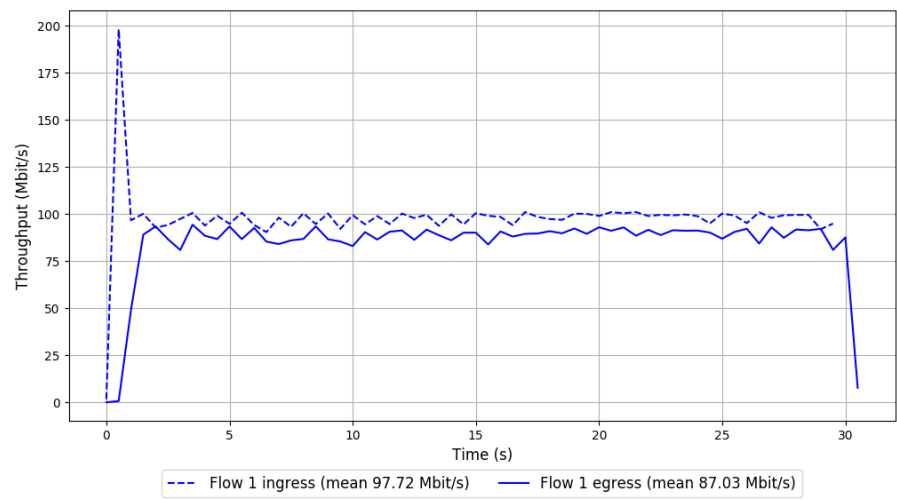
Average throughput: 87.03 Mbit/s

95th percentile per-packet one-way delay: 72.279 ms

Loss rate: 10.93%



Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-05-24 04:34:28

End at: 2018-05-24 04:34:58

Local clock offset: 0.6 ms

Remote clock offset: 0.078 ms

# Below is generated by plot.py at 2018-05-24 07:00:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.26 Mbit/s

95th percentile per-packet one-way delay: 71.882 ms

Loss rate: 10.59%

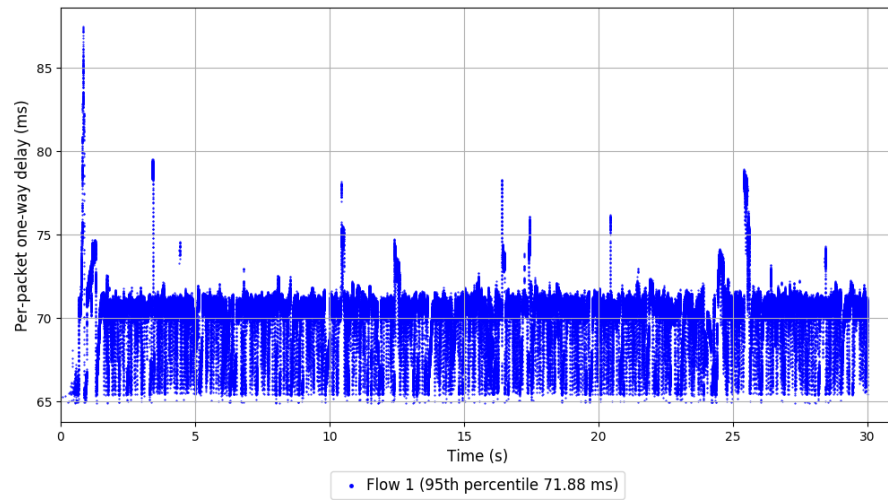
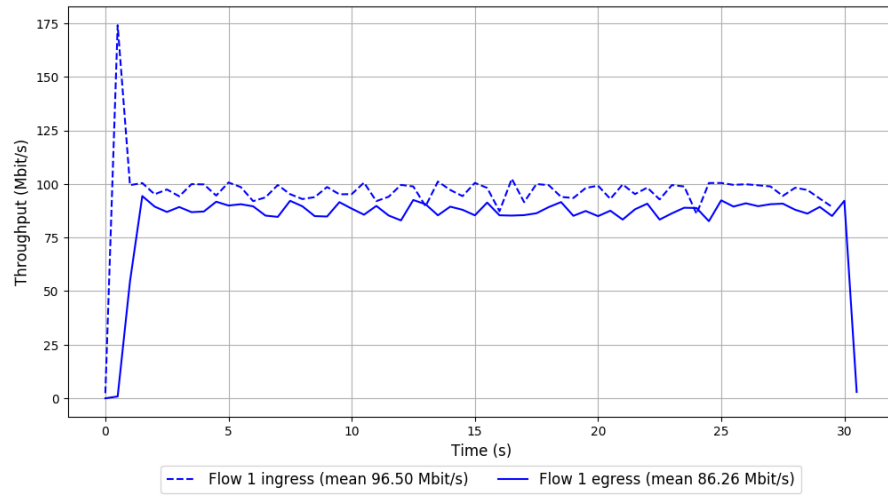
-- Flow 1:

Average throughput: 86.26 Mbit/s

95th percentile per-packet one-way delay: 71.882 ms

Loss rate: 10.59%

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

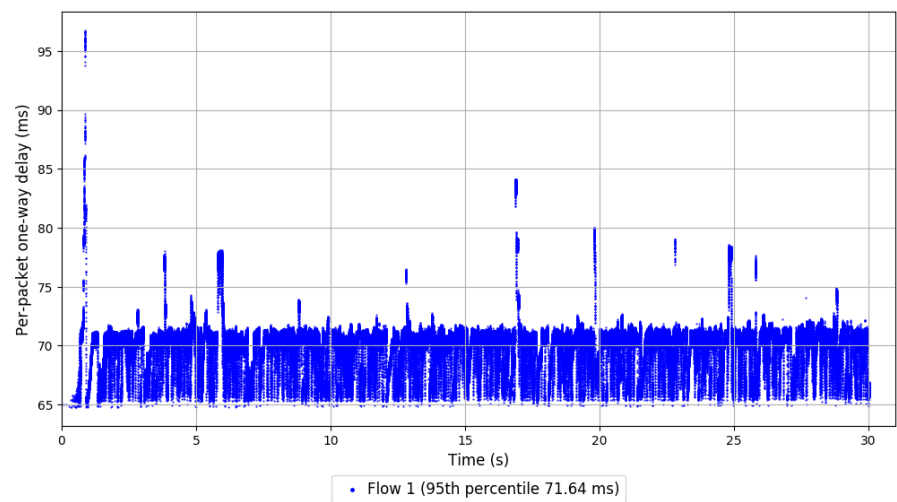
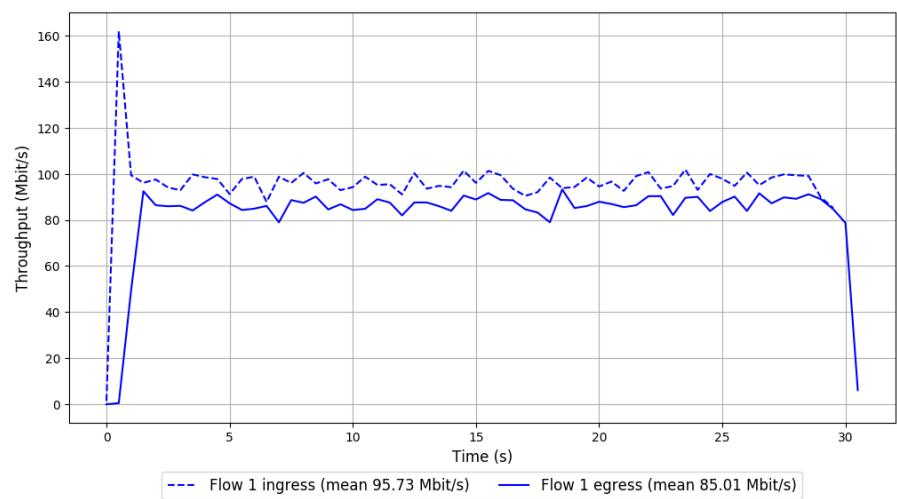


Run 5: Statistics of FillP

Start at: 2018-05-24 04:55:36  
End at: 2018-05-24 04:56:06  
Local clock offset: 0.477 ms  
Remote clock offset: -0.451 ms

# Below is generated by plot.py at 2018-05-24 07:00:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.01 Mbit/s  
95th percentile per-packet one-way delay: 71.636 ms  
Loss rate: 11.20%  
-- Flow 1:  
Average throughput: 85.01 Mbit/s  
95th percentile per-packet one-way delay: 71.636 ms  
Loss rate: 11.20%

Run 5: Report of FillP — Data Link

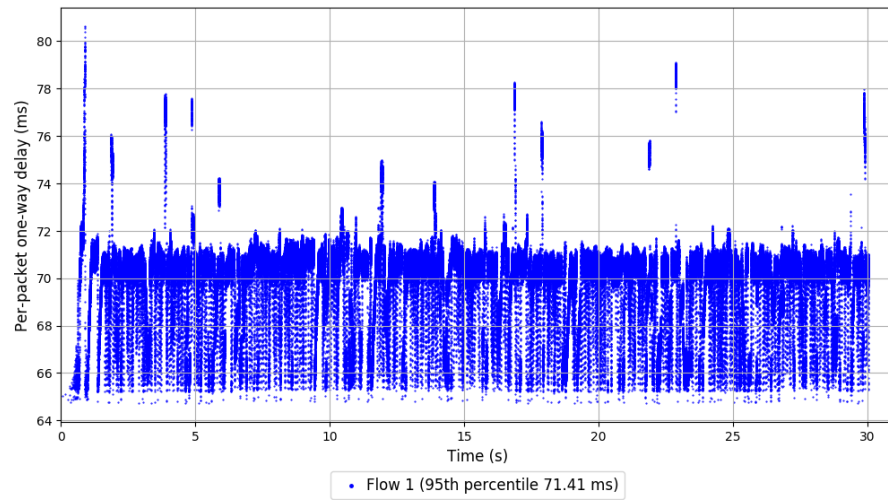
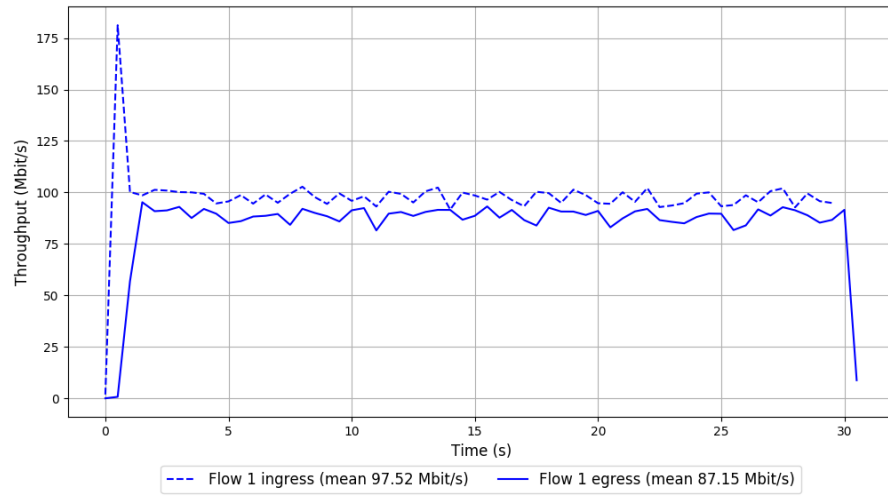


Run 6: Statistics of FillP

Start at: 2018-05-24 05:16:07  
End at: 2018-05-24 05:16:37  
Local clock offset: 3.176 ms  
Remote clock offset: -0.558 ms

# Below is generated by plot.py at 2018-05-24 07:00:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.15 Mbit/s  
95th percentile per-packet one-way delay: 71.410 ms  
Loss rate: 10.61%  
-- Flow 1:  
Average throughput: 87.15 Mbit/s  
95th percentile per-packet one-way delay: 71.410 ms  
Loss rate: 10.61%

## Run 6: Report of FillP — Data Link



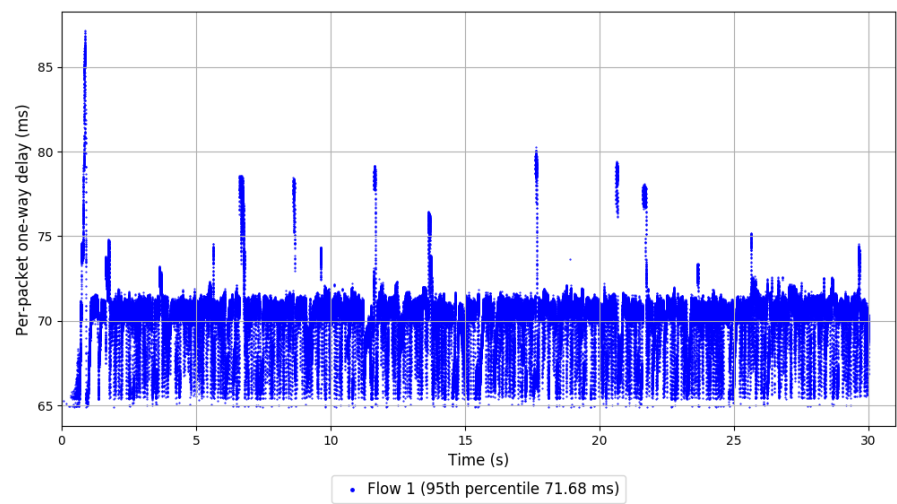
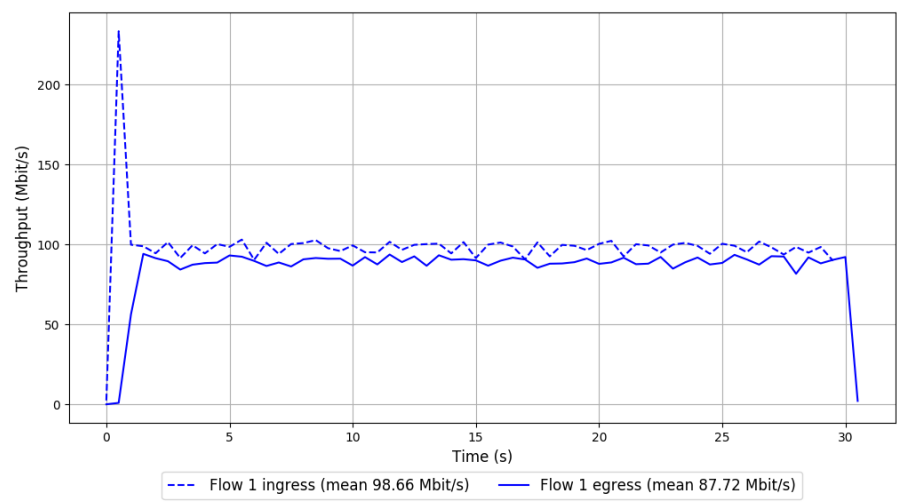
Run 7: Statistics of FillP

Start at: 2018-05-24 05:36:35  
End at: 2018-05-24 05:37:05  
Local clock offset: 3.779 ms  
Remote clock offset: -0.787 ms

# Below is generated by plot.py at 2018-05-24 07:01:02  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.72 Mbit/s  
95th percentile per-packet one-way delay: 71.682 ms  
Loss rate: 11.07%  
-- Flow 1:  
Average throughput: 87.72 Mbit/s  
95th percentile per-packet one-way delay: 71.682 ms  
Loss rate: 11.07%



Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-05-24 05:57:03

End at: 2018-05-24 05:57:33

Local clock offset: 4.01 ms

Remote clock offset: 0.338 ms

# Below is generated by plot.py at 2018-05-24 07:01:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 82.32 Mbit/s

95th percentile per-packet one-way delay: 72.516 ms

Loss rate: 12.10%

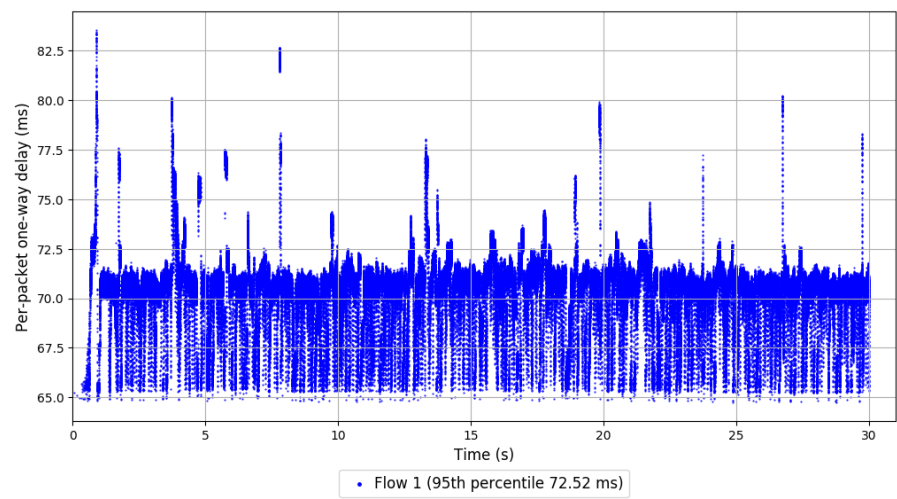
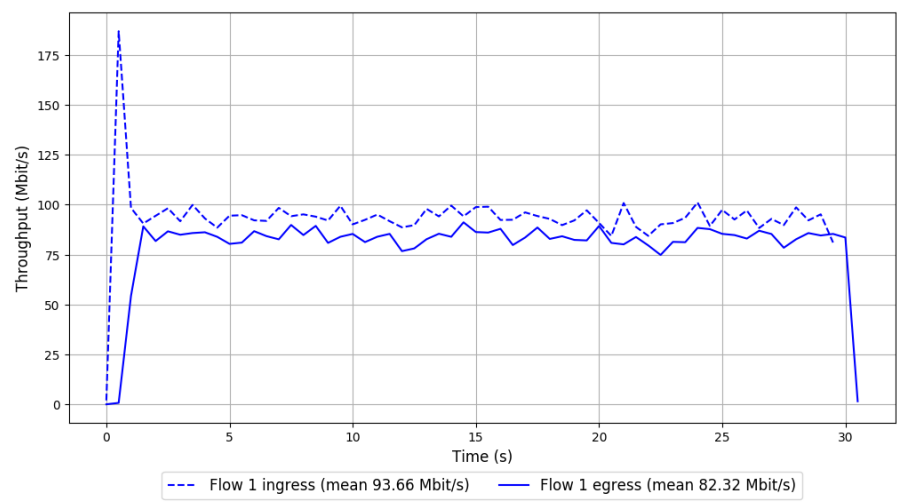
-- Flow 1:

Average throughput: 82.32 Mbit/s

95th percentile per-packet one-way delay: 72.516 ms

Loss rate: 12.10%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-05-24 06:17:32

End at: 2018-05-24 06:18:02

Local clock offset: 2.288 ms

Remote clock offset: 0.951 ms

# Below is generated by plot.py at 2018-05-24 07:01:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 79.74 Mbit/s

95th percentile per-packet one-way delay: 77.178 ms

Loss rate: 12.13%

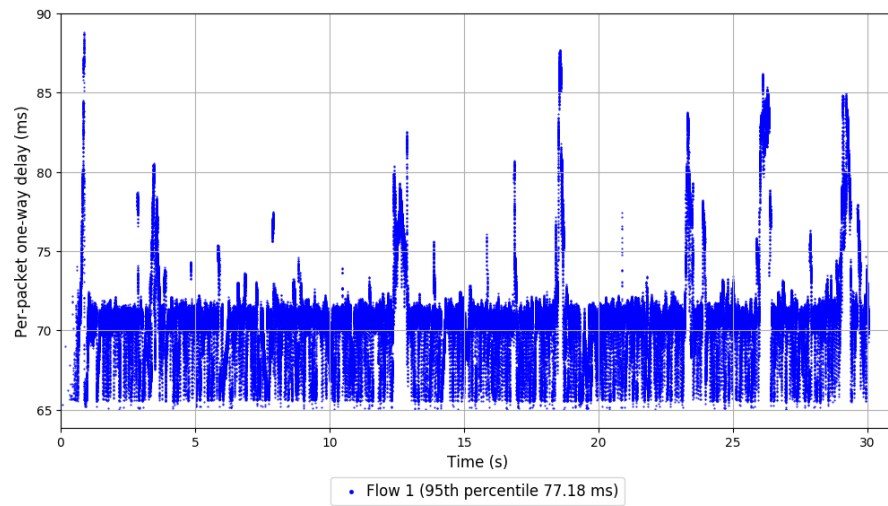
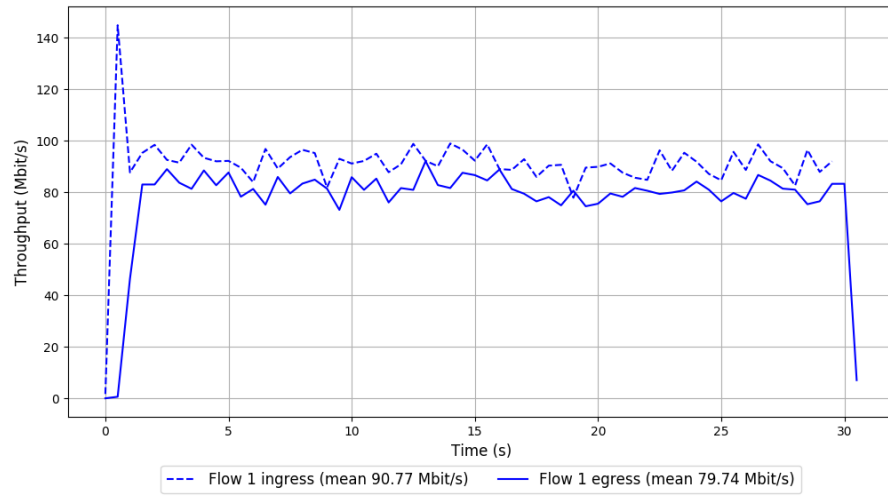
-- Flow 1:

Average throughput: 79.74 Mbit/s

95th percentile per-packet one-way delay: 77.178 ms

Loss rate: 12.13%

### Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-05-24 06:38:02

End at: 2018-05-24 06:38:32

Local clock offset: 3.849 ms

Remote clock offset: 1.575 ms

# Below is generated by plot.py at 2018-05-24 07:01:43

# Datalink statistics

-- Total of 1 flow:

Average throughput: 85.87 Mbit/s

95th percentile per-packet one-way delay: 77.780 ms

Loss rate: 11.24%

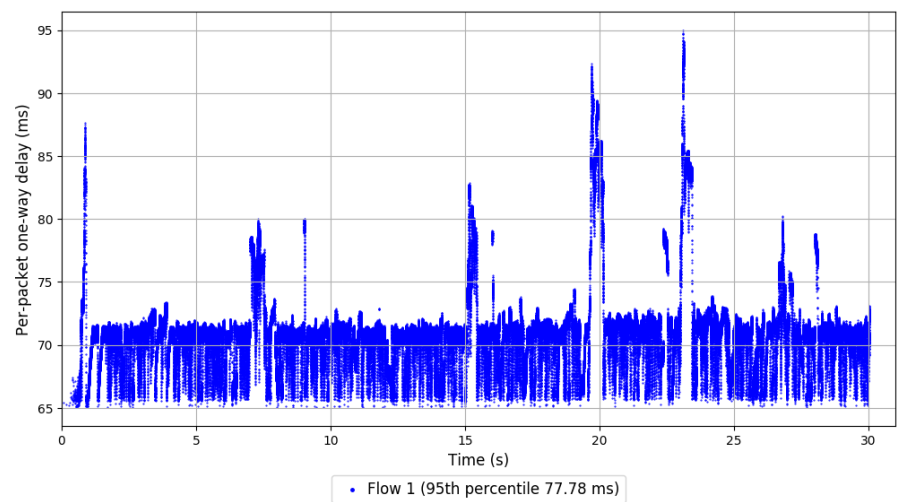
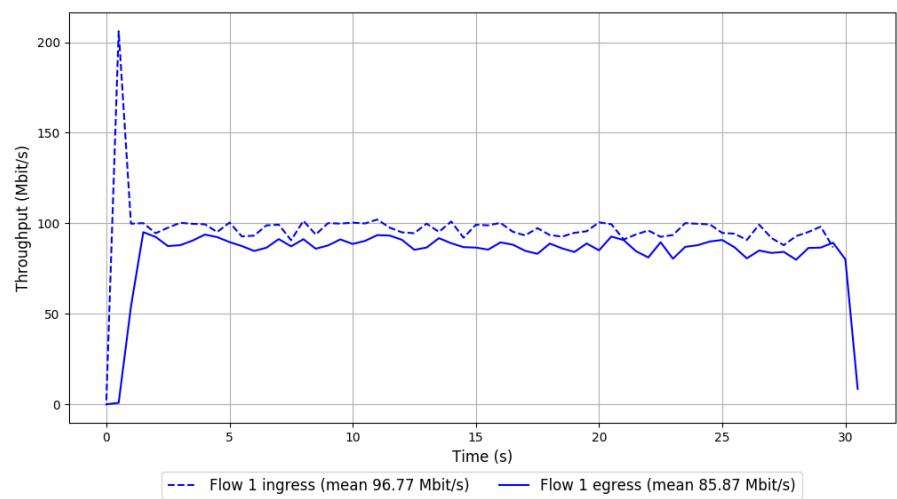
-- Flow 1:

Average throughput: 85.87 Mbit/s

95th percentile per-packet one-way delay: 77.780 ms

Loss rate: 11.24%

Run 10: Report of FillP — Data Link



Run 1: Statistics of Indigo

Start at: 2018-05-24 03:30:57

End at: 2018-05-24 03:31:27

Local clock offset: 3.462 ms

Remote clock offset: 0.253 ms

# Below is generated by plot.py at 2018-05-24 07:01:43

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.95 Mbit/s

95th percentile per-packet one-way delay: 71.809 ms

Loss rate: 5.98%

-- Flow 1:

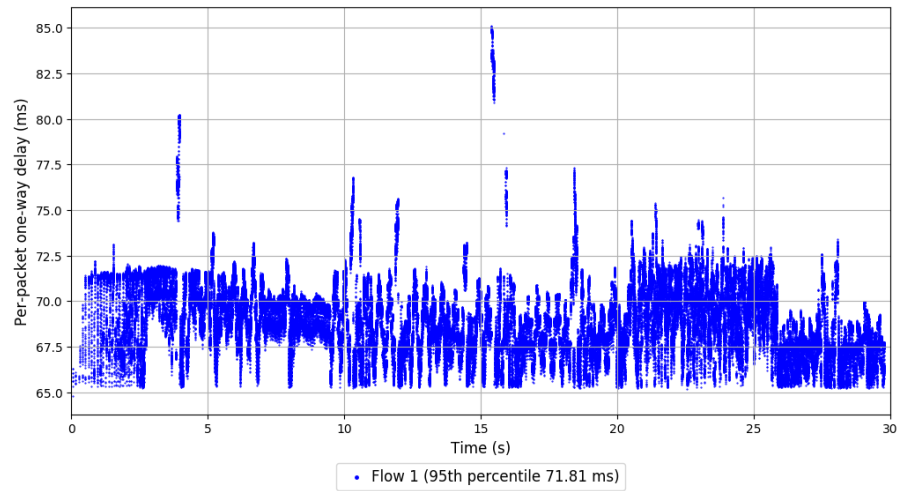
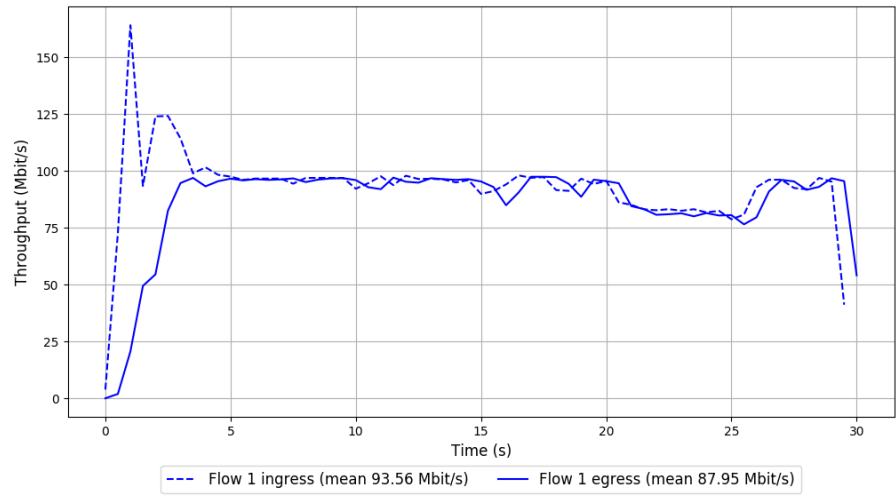
Average throughput: 87.95 Mbit/s

95th percentile per-packet one-way delay: 71.809 ms

Loss rate: 5.98%



## Run 1: Report of Indigo — Data Link

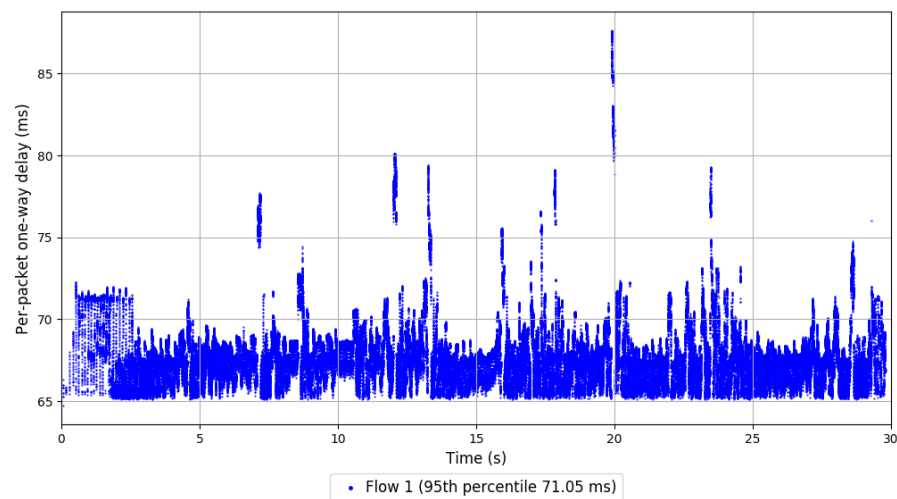
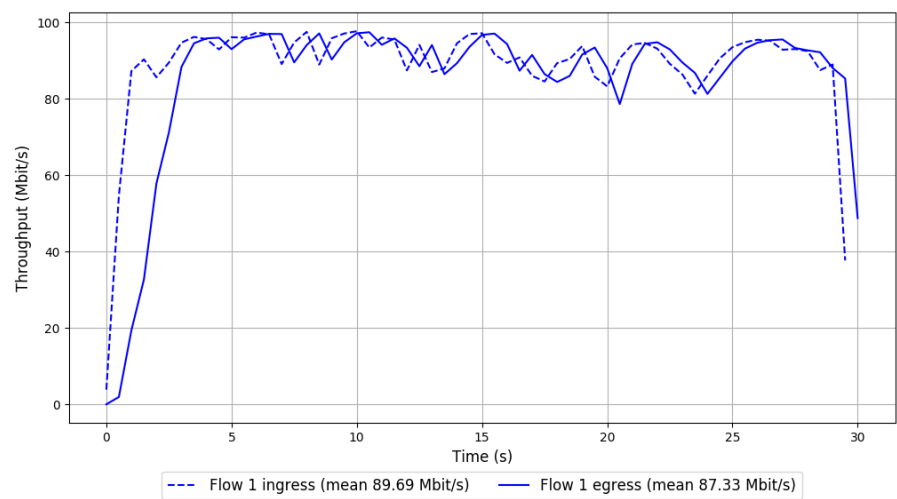


Run 2: Statistics of Indigo

Start at: 2018-05-24 03:51:28  
End at: 2018-05-24 03:51:58  
Local clock offset: 2.557 ms  
Remote clock offset: -0.026 ms

# Below is generated by plot.py at 2018-05-24 07:01:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.33 Mbit/s  
95th percentile per-packet one-way delay: 71.051 ms  
Loss rate: 2.62%  
-- Flow 1:  
Average throughput: 87.33 Mbit/s  
95th percentile per-packet one-way delay: 71.051 ms  
Loss rate: 2.62%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-05-24 04:12:04

End at: 2018-05-24 04:12:34

Local clock offset: 1.103 ms

Remote clock offset: 0.244 ms

# Below is generated by plot.py at 2018-05-24 07:01:43

# Datalink statistics

-- Total of 1 flow:

Average throughput: 78.60 Mbit/s

95th percentile per-packet one-way delay: 72.234 ms

Loss rate: 2.56%

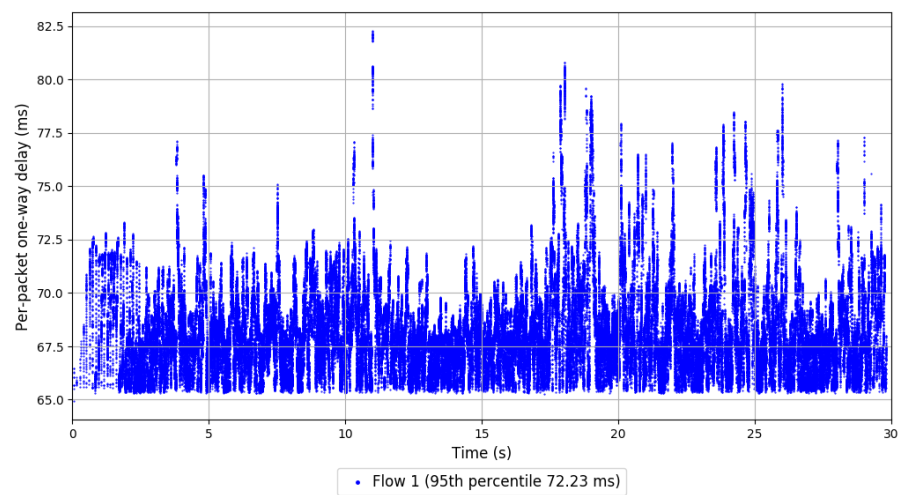
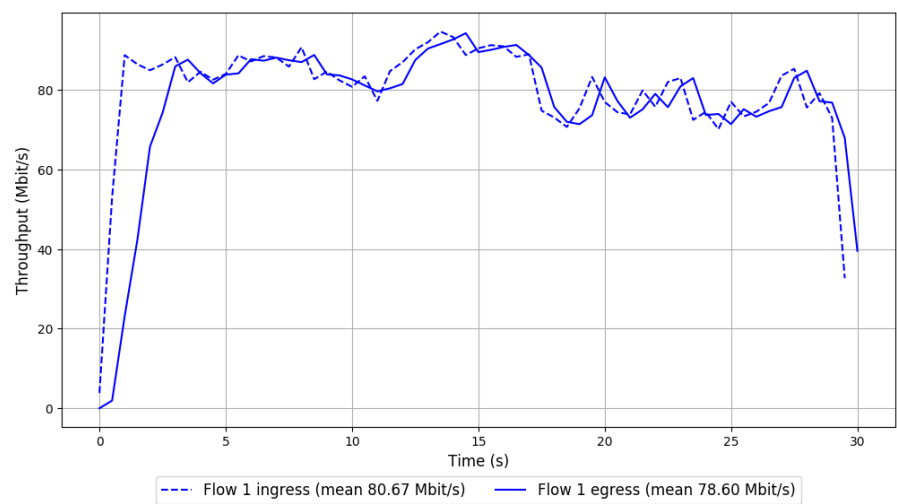
-- Flow 1:

Average throughput: 78.60 Mbit/s

95th percentile per-packet one-way delay: 72.234 ms

Loss rate: 2.56%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-05-24 04:33:08

End at: 2018-05-24 04:33:39

Local clock offset: 0.525 ms

Remote clock offset: 0.194 ms

# Below is generated by plot.py at 2018-05-24 07:01:55

# Datalink statistics

-- Total of 1 flow:

Average throughput: 82.53 Mbit/s

95th percentile per-packet one-way delay: 72.510 ms

Loss rate: 4.23%

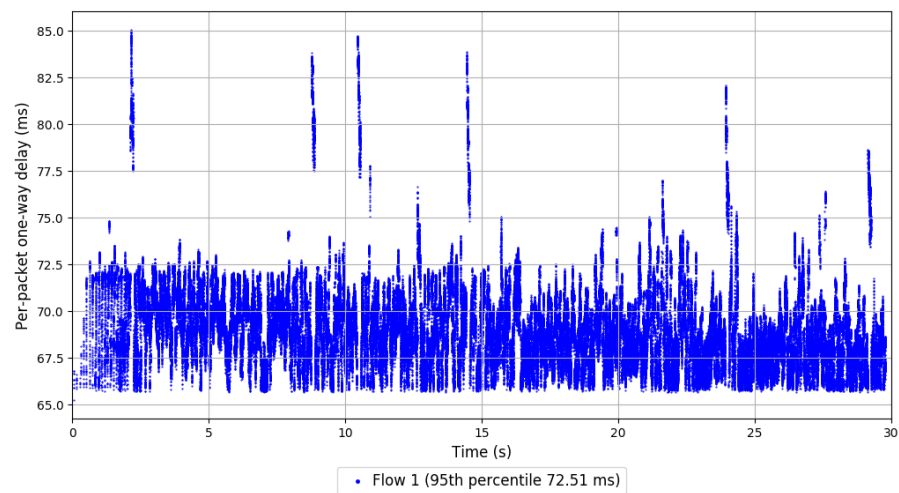
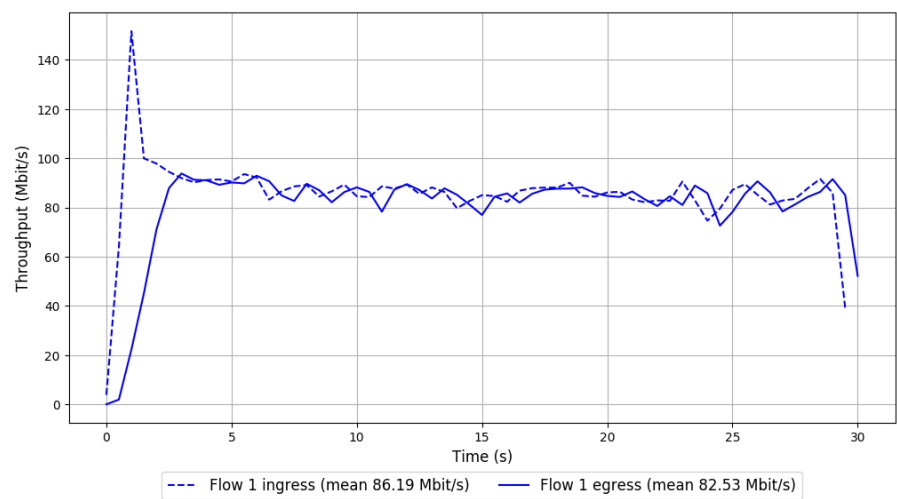
-- Flow 1:

Average throughput: 82.53 Mbit/s

95th percentile per-packet one-way delay: 72.510 ms

Loss rate: 4.23%

Run 4: Report of Indigo — Data Link



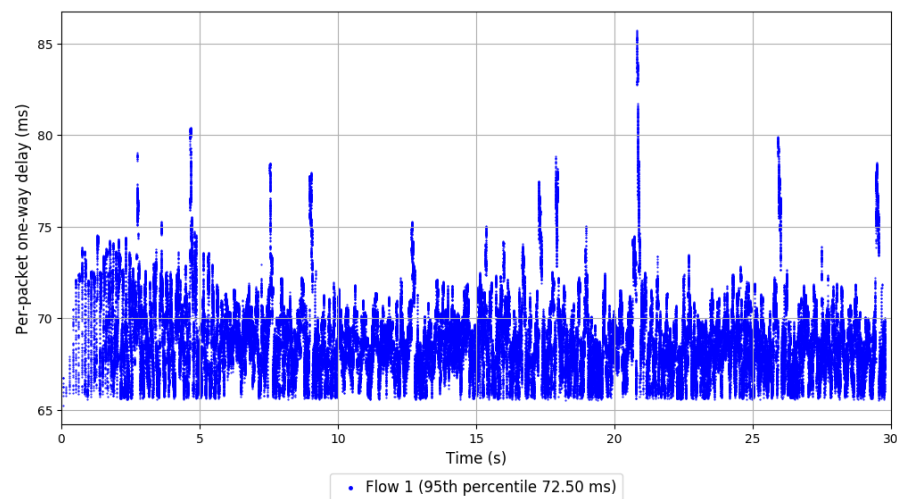
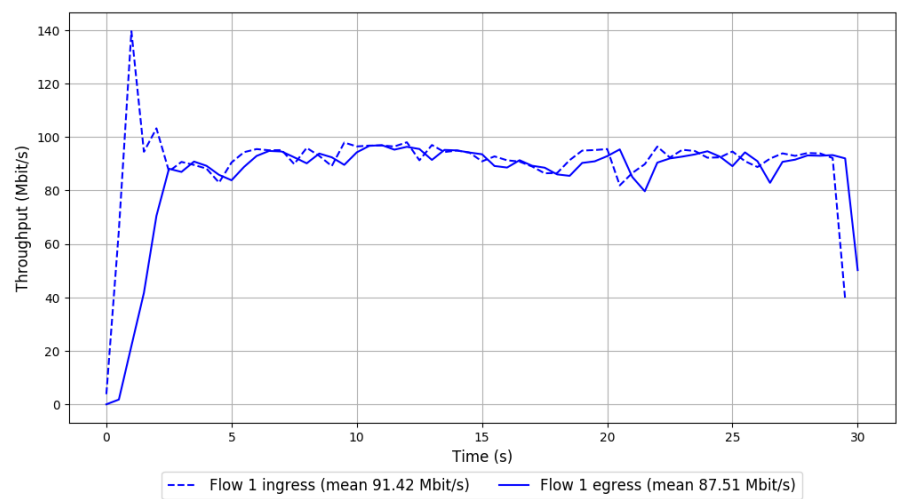
Run 5: Statistics of Indigo

Start at: 2018-05-24 04:54:16  
End at: 2018-05-24 04:54:46  
Local clock offset: 0.393 ms  
Remote clock offset: -0.285 ms

# Below is generated by plot.py at 2018-05-24 07:02:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.51 Mbit/s  
95th percentile per-packet one-way delay: 72.503 ms  
Loss rate: 4.27%  
-- Flow 1:  
Average throughput: 87.51 Mbit/s  
95th percentile per-packet one-way delay: 72.503 ms  
Loss rate: 4.27%



Run 5: Report of Indigo — Data Link

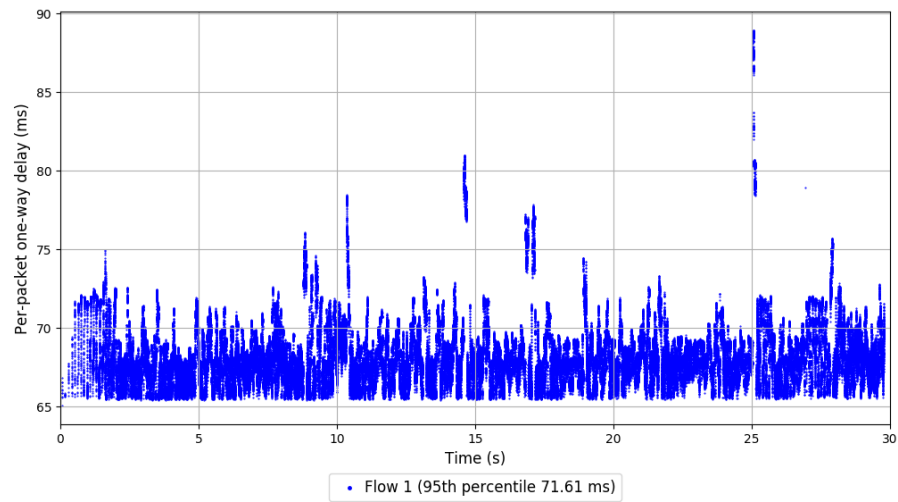
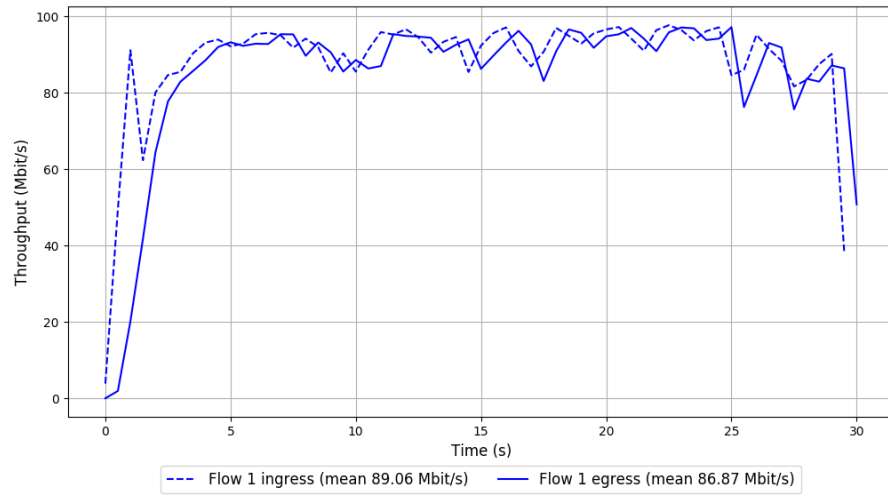


Run 6: Statistics of Indigo

Start at: 2018-05-24 05:14:47  
End at: 2018-05-24 05:15:17  
Local clock offset: 3.225 ms  
Remote clock offset: -0.628 ms

# Below is generated by plot.py at 2018-05-24 07:02:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 86.87 Mbit/s  
95th percentile per-packet one-way delay: 71.613 ms  
Loss rate: 2.45%  
-- Flow 1:  
Average throughput: 86.87 Mbit/s  
95th percentile per-packet one-way delay: 71.613 ms  
Loss rate: 2.45%

## Run 6: Report of Indigo — Data Link

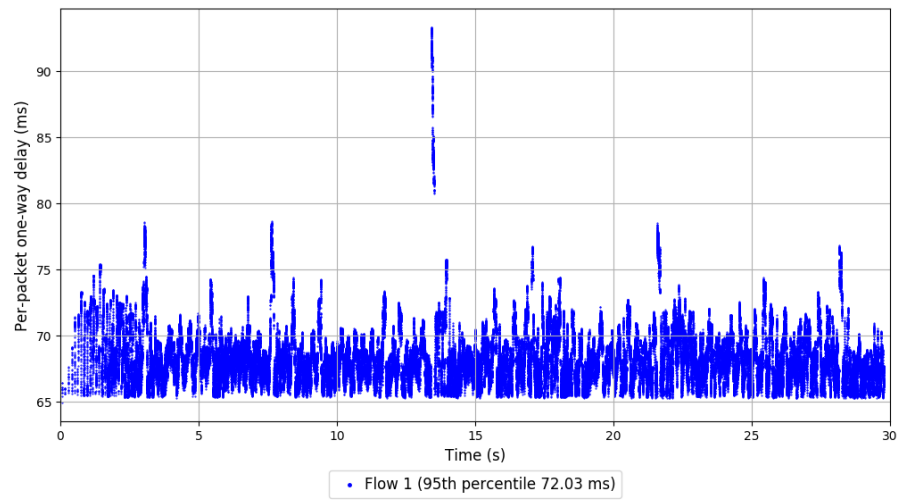
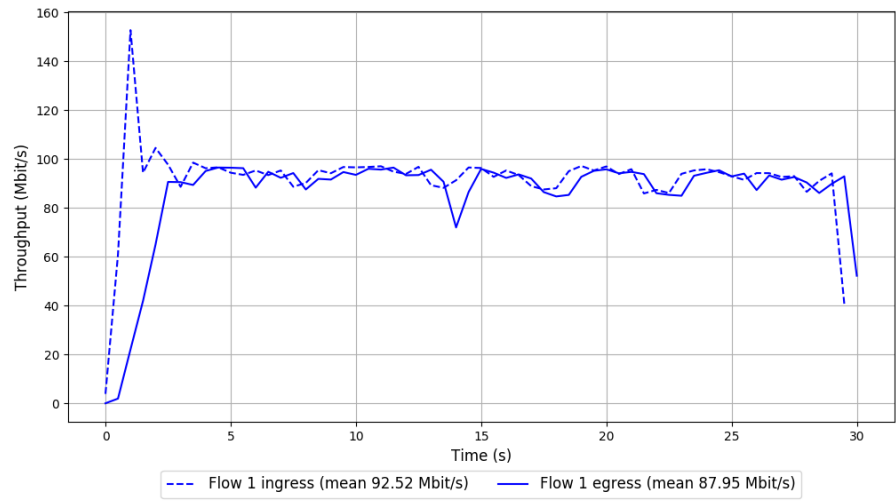


Run 7: Statistics of Indigo

Start at: 2018-05-24 05:35:15  
End at: 2018-05-24 05:35:45  
Local clock offset: 3.635 ms  
Remote clock offset: -0.863 ms

# Below is generated by plot.py at 2018-05-24 07:02:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.95 Mbit/s  
95th percentile per-packet one-way delay: 72.035 ms  
Loss rate: 4.93%  
-- Flow 1:  
Average throughput: 87.95 Mbit/s  
95th percentile per-packet one-way delay: 72.035 ms  
Loss rate: 4.93%

### Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-05-24 05:55:43

End at: 2018-05-24 05:56:13

Local clock offset: 4.349 ms

Remote clock offset: 0.292 ms

# Below is generated by plot.py at 2018-05-24 07:02:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 88.79 Mbit/s

95th percentile per-packet one-way delay: 72.945 ms

Loss rate: 4.77%

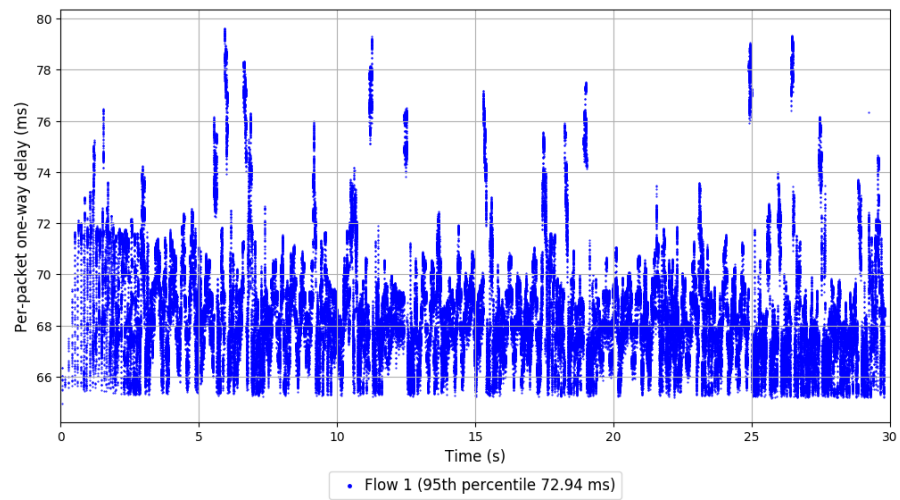
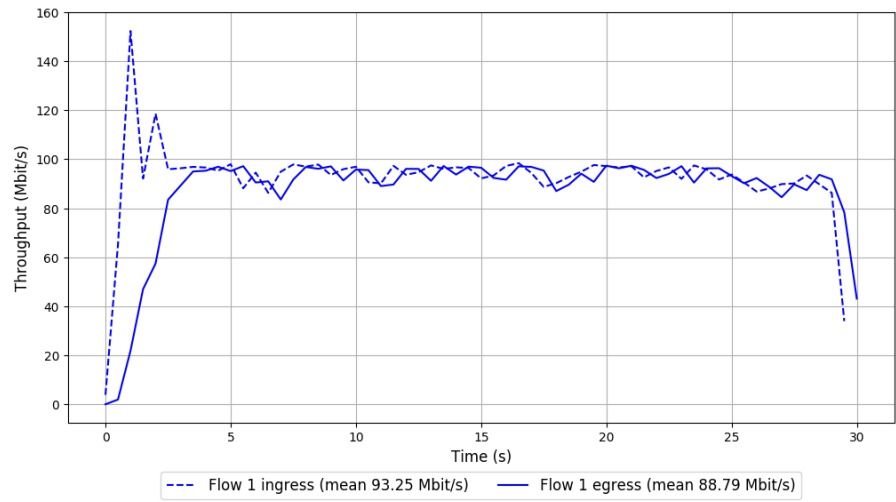
-- Flow 1:

Average throughput: 88.79 Mbit/s

95th percentile per-packet one-way delay: 72.945 ms

Loss rate: 4.77%

### Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-05-24 06:16:13

End at: 2018-05-24 06:16:43

Local clock offset: 2.572 ms

Remote clock offset: 0.762 ms

# Below is generated by plot.py at 2018-05-24 07:02:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 57.58 Mbit/s

95th percentile per-packet one-way delay: 77.276 ms

Loss rate: 4.57%

-- Flow 1:

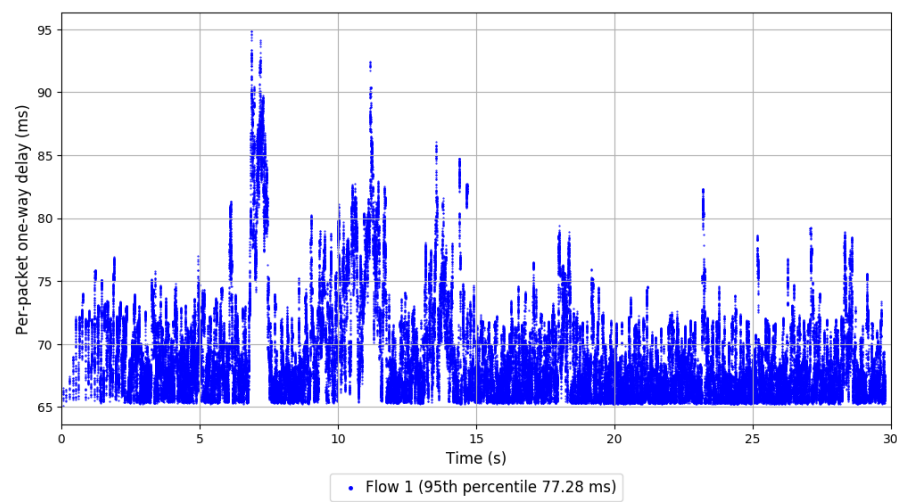
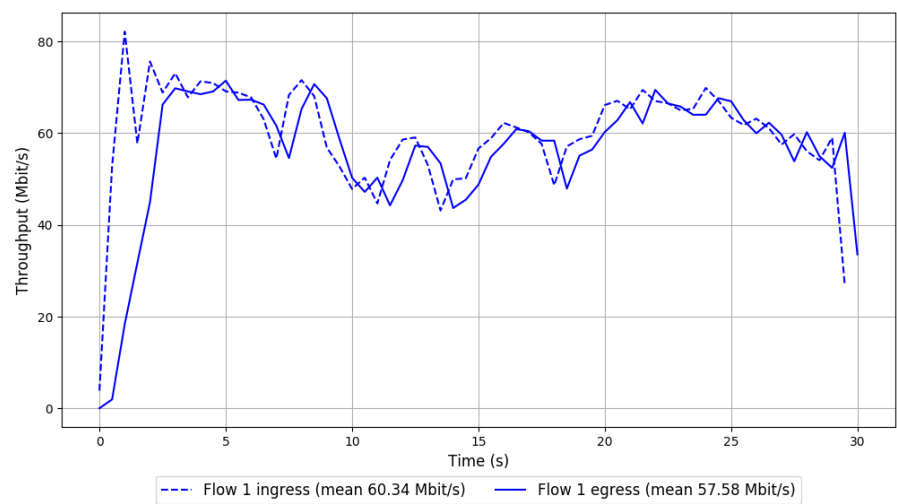
Average throughput: 57.58 Mbit/s

95th percentile per-packet one-way delay: 77.276 ms

Loss rate: 4.57%



Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-05-24 06:36:43

End at: 2018-05-24 06:37:13

Local clock offset: 3.718 ms

Remote clock offset: 1.386 ms

# Below is generated by plot.py at 2018-05-24 07:02:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 64.35 Mbit/s

95th percentile per-packet one-way delay: 73.239 ms

Loss rate: 8.30%

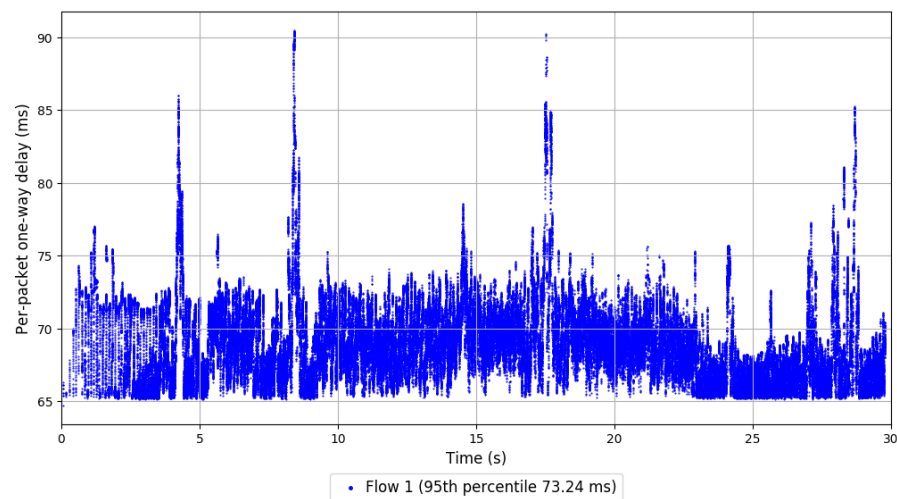
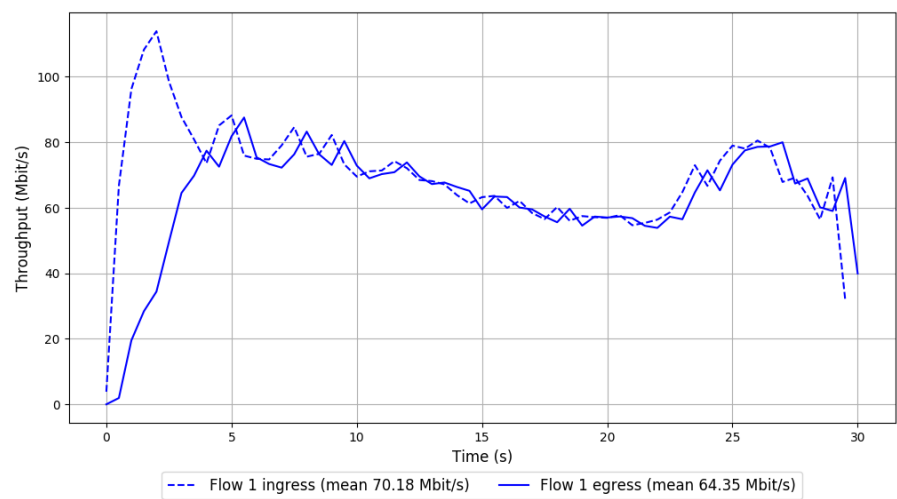
-- Flow 1:

Average throughput: 64.35 Mbit/s

95th percentile per-packet one-way delay: 73.239 ms

Loss rate: 8.30%

Run 10: Report of Indigo — Data Link

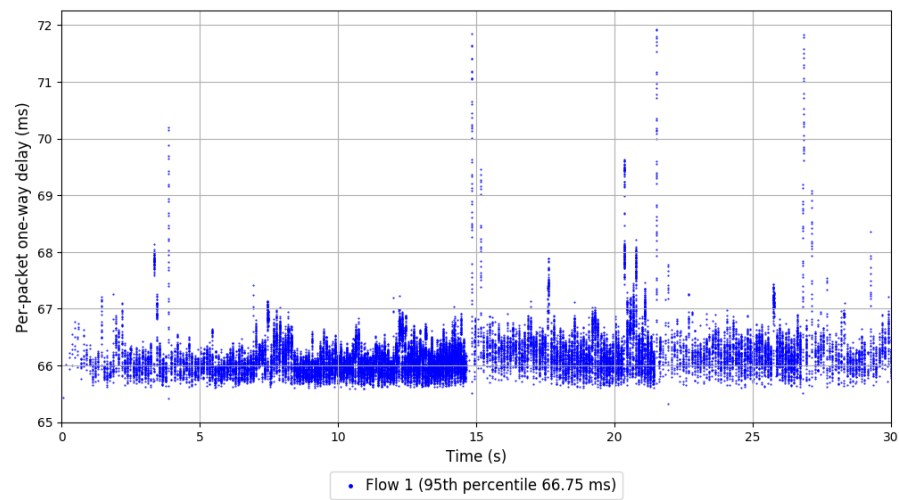
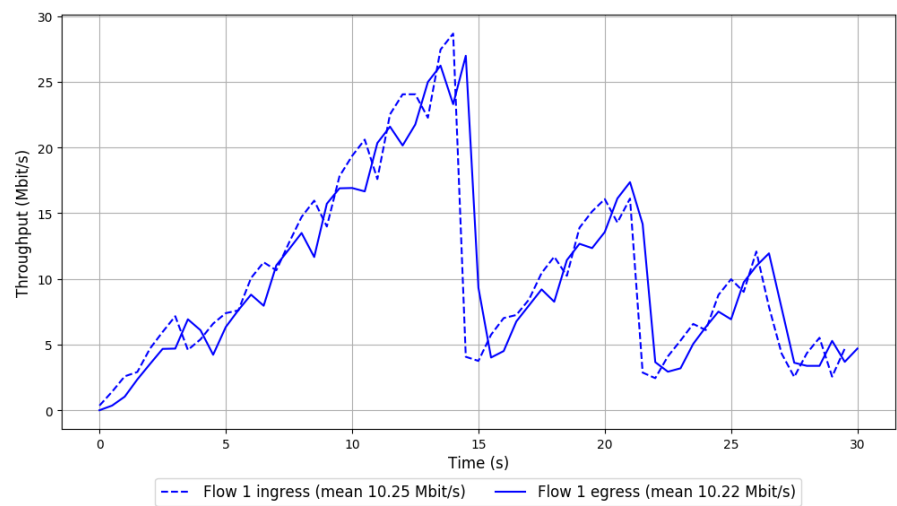


```
Run 1: Statistics of LEDBAT

Start at: 2018-05-24 03:37:28
End at: 2018-05-24 03:37:58
Local clock offset: 2.691 ms
Remote clock offset: 0.111 ms

# Below is generated by plot.py at 2018-05-24 07:02:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.22 Mbit/s
95th percentile per-packet one-way delay: 66.754 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 10.22 Mbit/s
95th percentile per-packet one-way delay: 66.754 ms
Loss rate: 0.21%
```

Run 1: Report of LEDBAT — Data Link

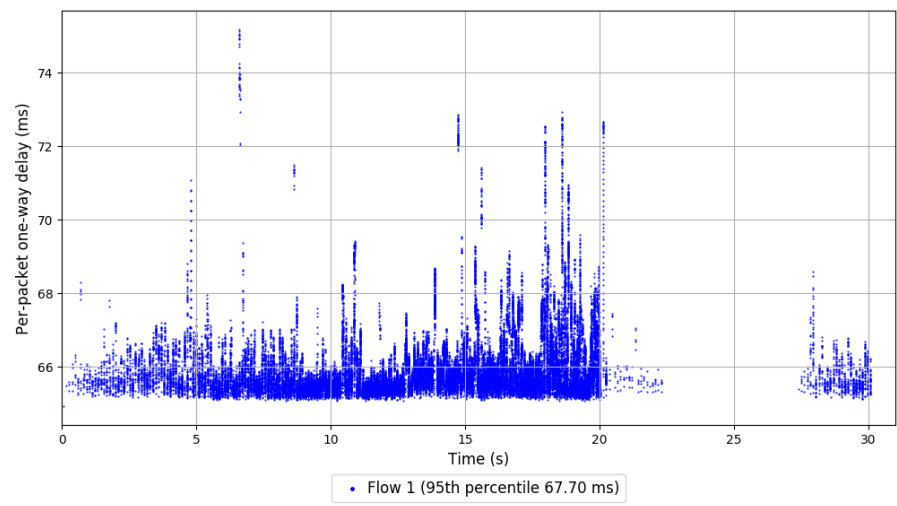
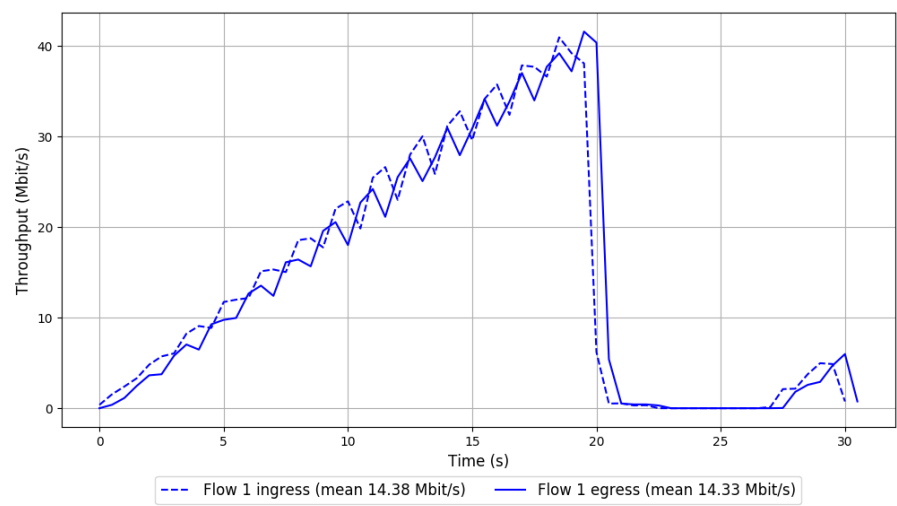


Run 2: Statistics of LEDBAT

Start at: 2018-05-24 03:58:00  
End at: 2018-05-24 03:58:30  
Local clock offset: 2.072 ms  
Remote clock offset: -0.033 ms

# Below is generated by plot.py at 2018-05-24 07:02:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 14.33 Mbit/s  
95th percentile per-packet one-way delay: 67.703 ms  
Loss rate: 0.35%  
-- Flow 1:  
Average throughput: 14.33 Mbit/s  
95th percentile per-packet one-way delay: 67.703 ms  
Loss rate: 0.35%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-05-24 04:18:35

End at: 2018-05-24 04:19:05

Local clock offset: 0.615 ms

Remote clock offset: 0.366 ms

# Below is generated by plot.py at 2018-05-24 07:02:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 8.84 Mbit/s

95th percentile per-packet one-way delay: 67.204 ms

Loss rate: 0.20%

-- Flow 1:

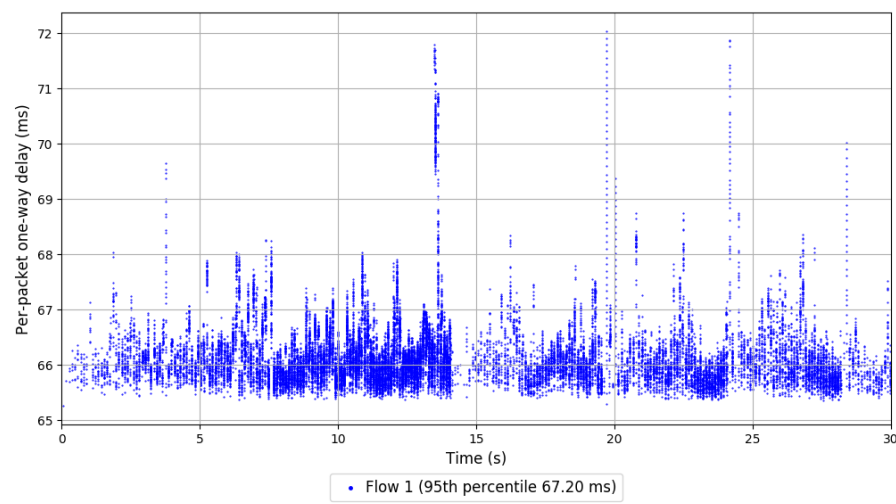
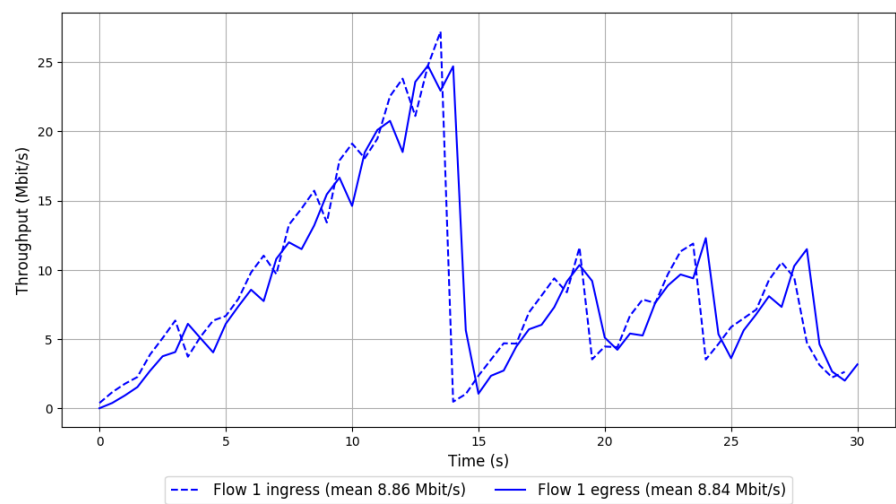
Average throughput: 8.84 Mbit/s

95th percentile per-packet one-way delay: 67.204 ms

Loss rate: 0.20%



Run 3: Report of LEDBAT — Data Link

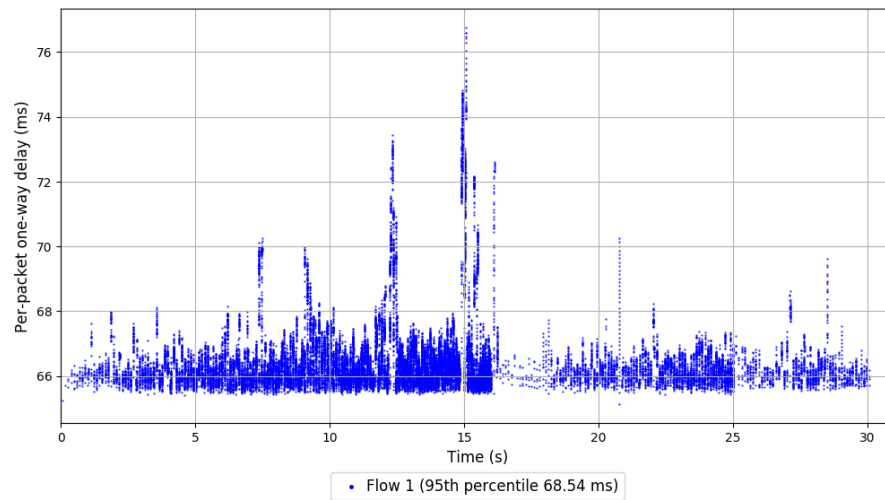
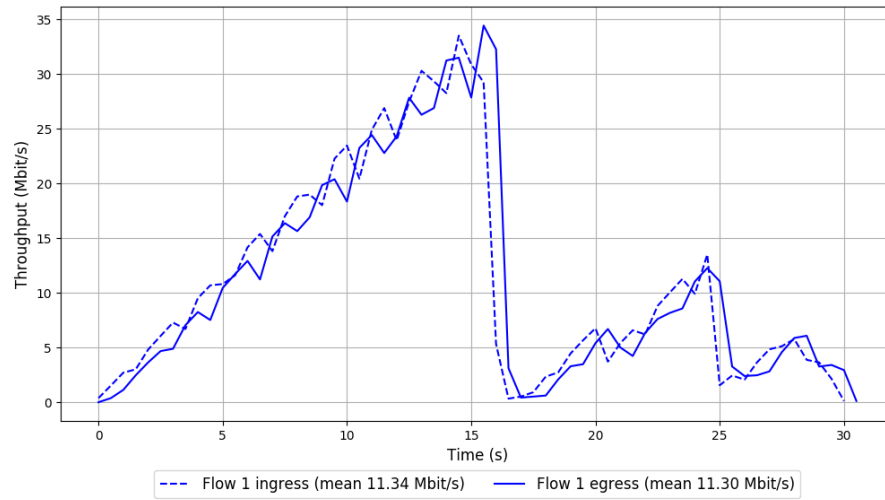


Run 4: Statistics of LEDBAT

Start at: 2018-05-24 04:40:05  
End at: 2018-05-24 04:40:35  
Local clock offset: 0.469 ms  
Remote clock offset: -0.013 ms

# Below is generated by plot.py at 2018-05-24 07:02:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.30 Mbit/s  
95th percentile per-packet one-way delay: 68.538 ms  
Loss rate: 0.39%  
-- Flow 1:  
Average throughput: 11.30 Mbit/s  
95th percentile per-packet one-way delay: 68.538 ms  
Loss rate: 0.39%

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

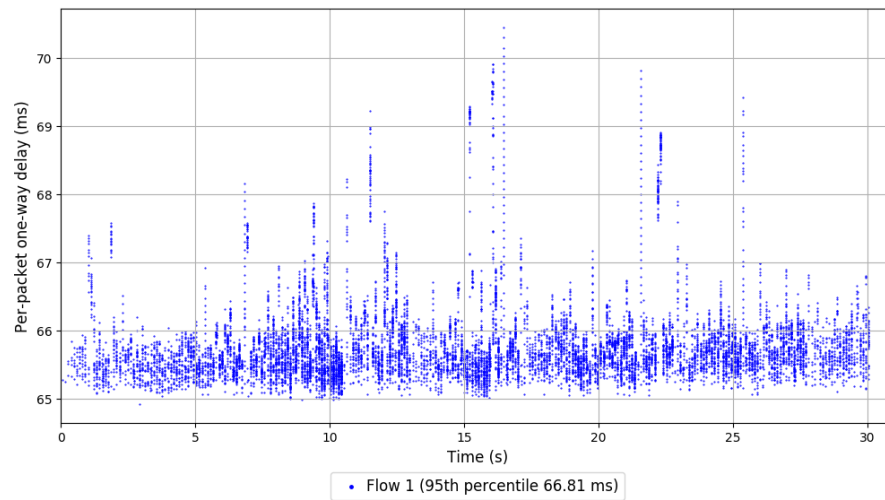
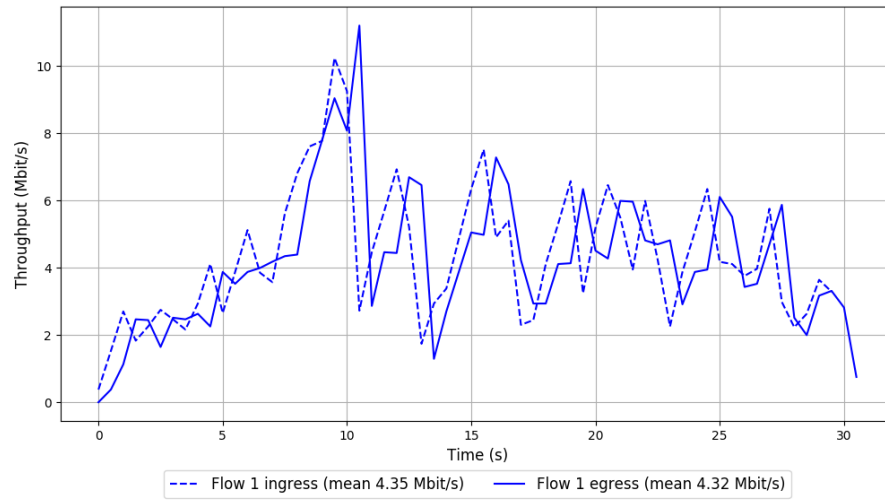


Run 5: Statistics of LEDBAT

Start at: 2018-05-24 05:00:46  
End at: 2018-05-24 05:01:16  
Local clock offset: 1.344 ms  
Remote clock offset: -1.209 ms

# Below is generated by plot.py at 2018-05-24 07:02:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 4.32 Mbit/s  
95th percentile per-packet one-way delay: 66.807 ms  
Loss rate: 0.54%  
-- Flow 1:  
Average throughput: 4.32 Mbit/s  
95th percentile per-packet one-way delay: 66.807 ms  
Loss rate: 0.54%

## Run 5: Report of LEDBAT — Data Link

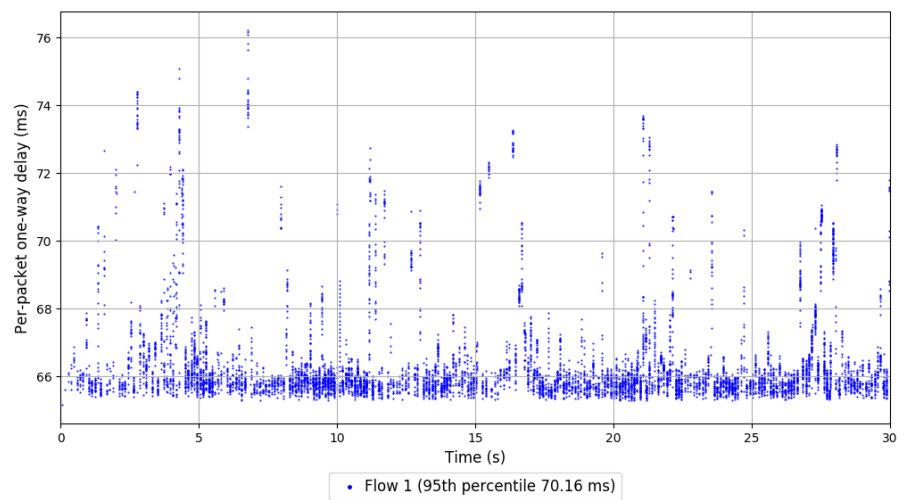
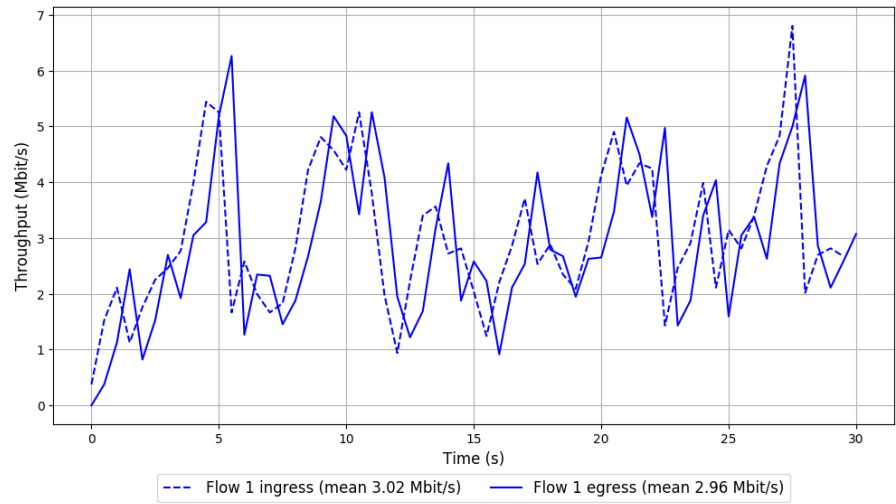


Run 6: Statistics of LEDBAT

Start at: 2018-05-24 05:21:18  
End at: 2018-05-24 05:21:48  
Local clock offset: 3.395 ms  
Remote clock offset: -0.611 ms

# Below is generated by plot.py at 2018-05-24 07:02:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.96 Mbit/s  
95th percentile per-packet one-way delay: 70.158 ms  
Loss rate: 2.01%  
-- Flow 1:  
Average throughput: 2.96 Mbit/s  
95th percentile per-packet one-way delay: 70.158 ms  
Loss rate: 2.01%

## Run 6: Report of LEDBAT — Data Link



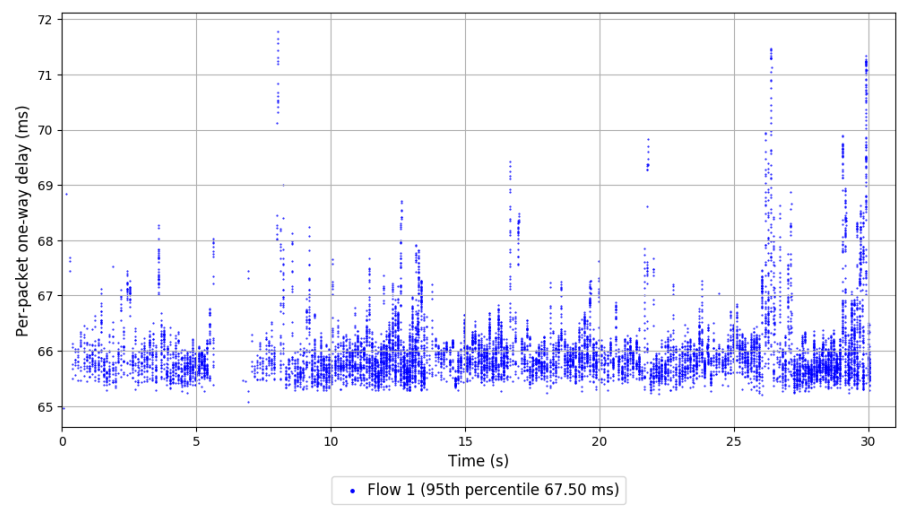
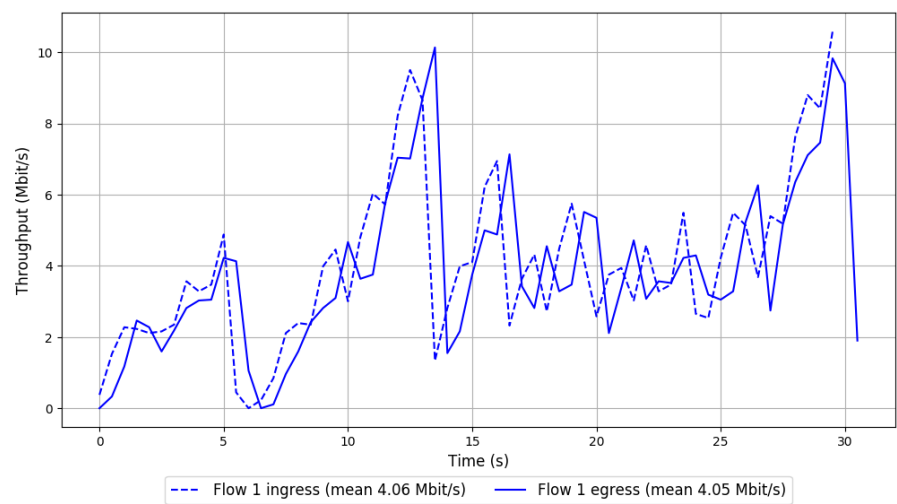
Run 7: Statistics of LEDBAT

Start at: 2018-05-24 05:41:46  
End at: 2018-05-24 05:42:16  
Local clock offset: 3.875 ms  
Remote clock offset: -0.315 ms

# Below is generated by plot.py at 2018-05-24 07:02:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 4.05 Mbit/s  
95th percentile per-packet one-way delay: 67.505 ms  
Loss rate: 0.45%  
-- Flow 1:  
Average throughput: 4.05 Mbit/s  
95th percentile per-packet one-way delay: 67.505 ms  
Loss rate: 0.45%



Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-05-24 06:02:12

End at: 2018-05-24 06:02:42

Local clock offset: 3.122 ms

Remote clock offset: 0.45 ms

# Below is generated by plot.py at 2018-05-24 07:02:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 3.33 Mbit/s

95th percentile per-packet one-way delay: 67.078 ms

Loss rate: 0.93%

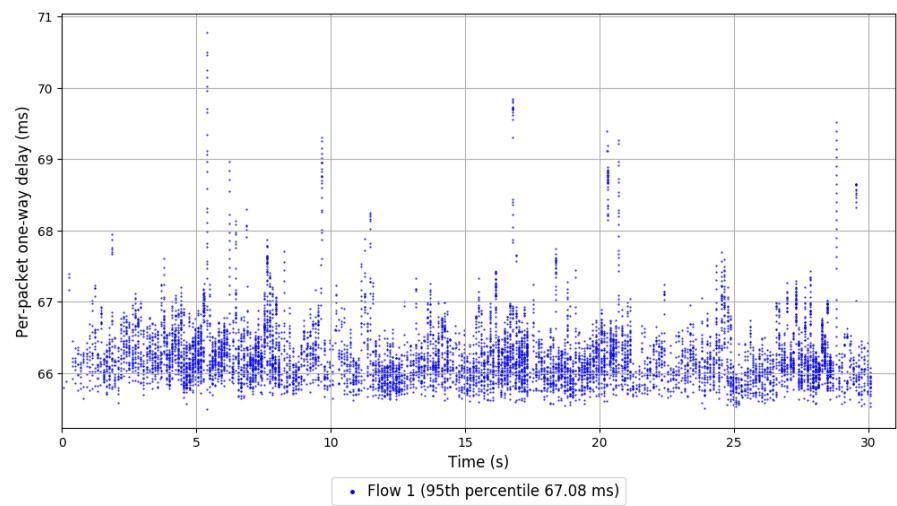
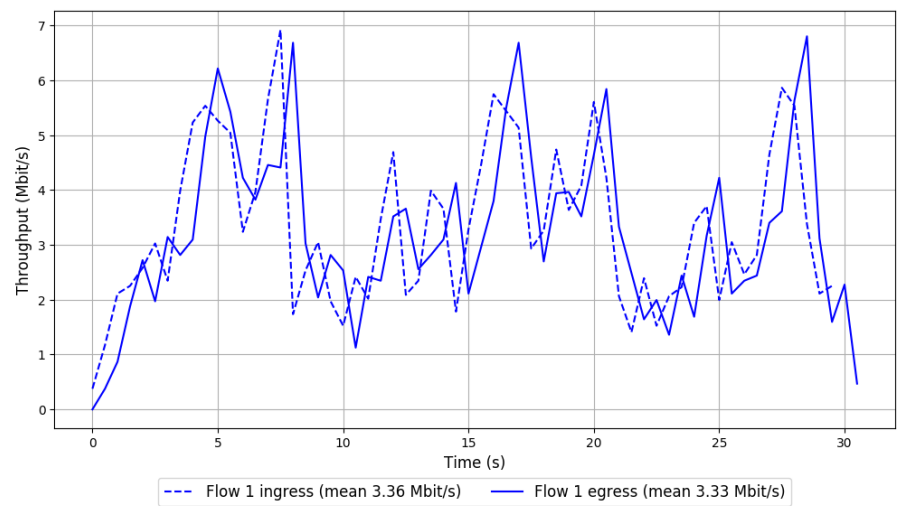
-- Flow 1:

Average throughput: 3.33 Mbit/s

95th percentile per-packet one-way delay: 67.078 ms

Loss rate: 0.93%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-05-24 06:22:40

End at: 2018-05-24 06:23:10

Local clock offset: 2.459 ms

Remote clock offset: 1.115 ms

# Below is generated by plot.py at 2018-05-24 07:02:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.65 Mbit/s

95th percentile per-packet one-way delay: 67.729 ms

Loss rate: 1.43%

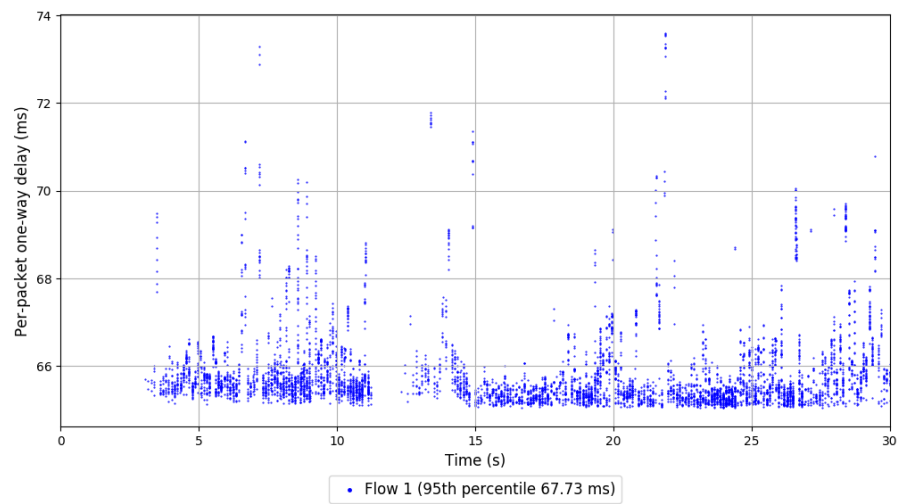
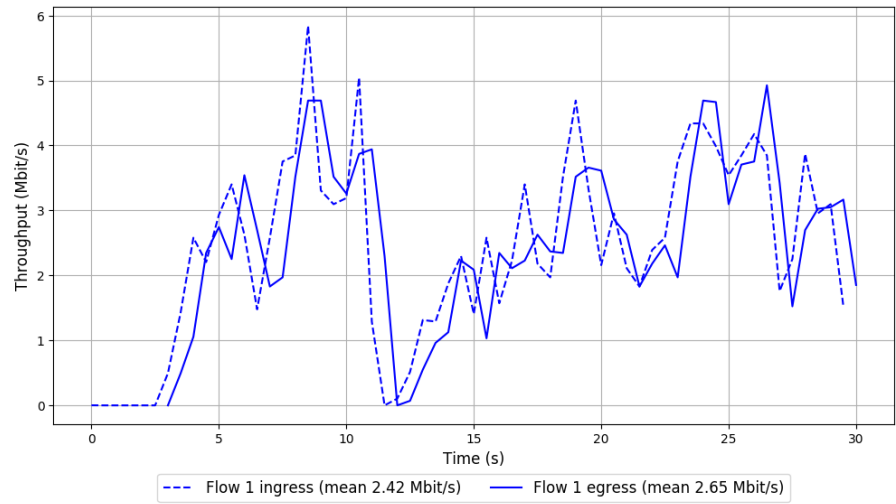
-- Flow 1:

Average throughput: 2.65 Mbit/s

95th percentile per-packet one-way delay: 67.729 ms

Loss rate: 1.43%

### Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-05-24 06:43:12

End at: 2018-05-24 06:43:42

Local clock offset: 4.111 ms

Remote clock offset: 1.554 ms

# Below is generated by plot.py at 2018-05-24 07:02:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.52 Mbit/s

95th percentile per-packet one-way delay: 67.138 ms

Loss rate: 0.54%

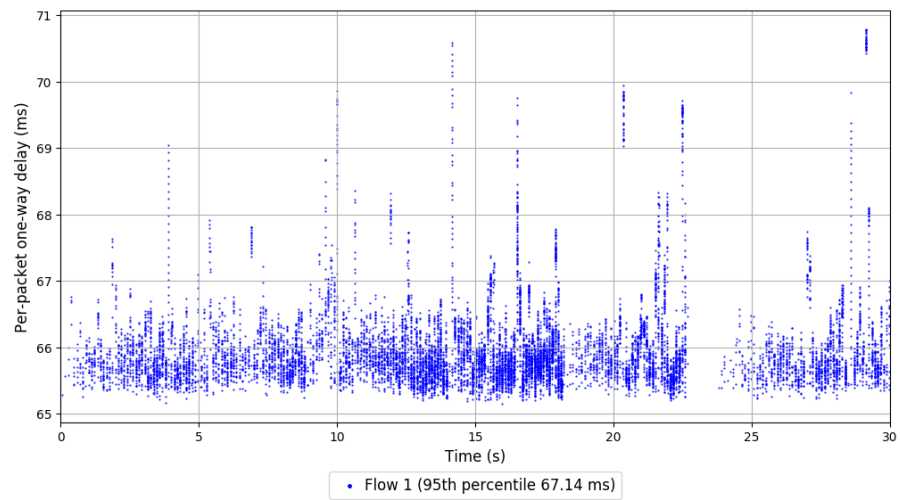
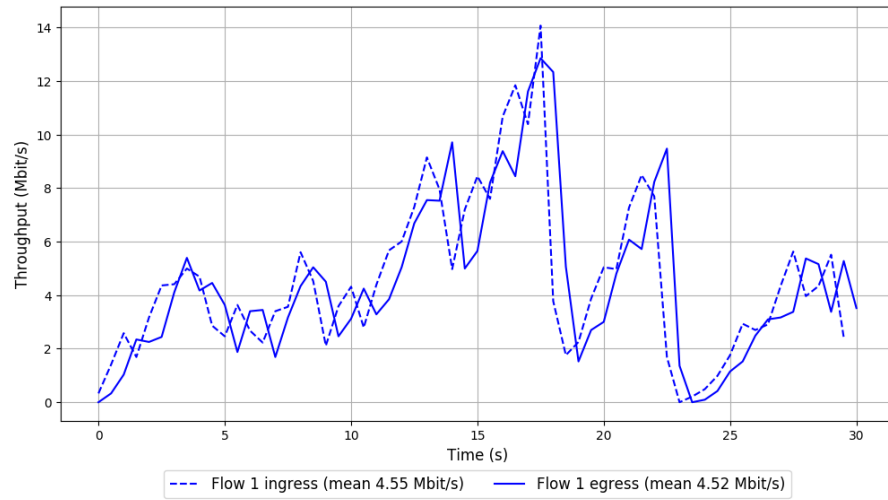
-- Flow 1:

Average throughput: 4.52 Mbit/s

95th percentile per-packet one-way delay: 67.138 ms

Loss rate: 0.54%

# Run 10: Report of LEDBAT — Data Link



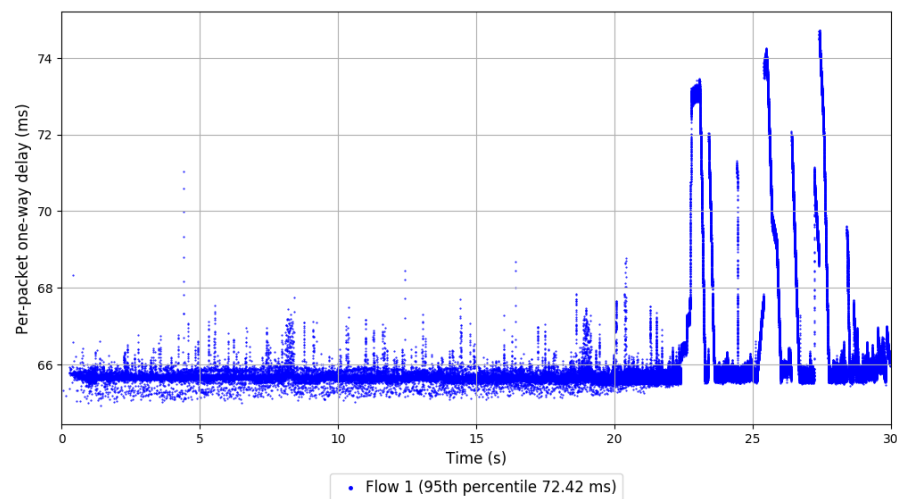
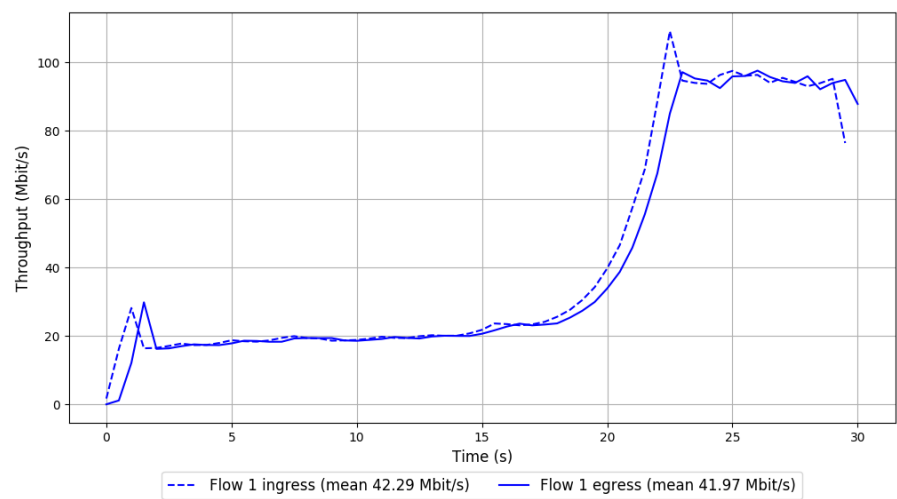
```
Run 1: Statistics of PCC-Allegro

Start at: 2018-05-24 03:38:44
End at: 2018-05-24 03:39:14
Local clock offset: 2.706 ms
Remote clock offset: 0.082 ms

# Below is generated by plot.py at 2018-05-24 07:03:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.97 Mbit/s
95th percentile per-packet one-way delay: 72.424 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 41.97 Mbit/s
95th percentile per-packet one-way delay: 72.424 ms
Loss rate: 0.75%
```



Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-05-24 03:59:16

End at: 2018-05-24 03:59:46

Local clock offset: 1.94 ms

Remote clock offset: 0.075 ms

# Below is generated by plot.py at 2018-05-24 07:03:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 75.82 Mbit/s

95th percentile per-packet one-way delay: 69.737 ms

Loss rate: 1.07%

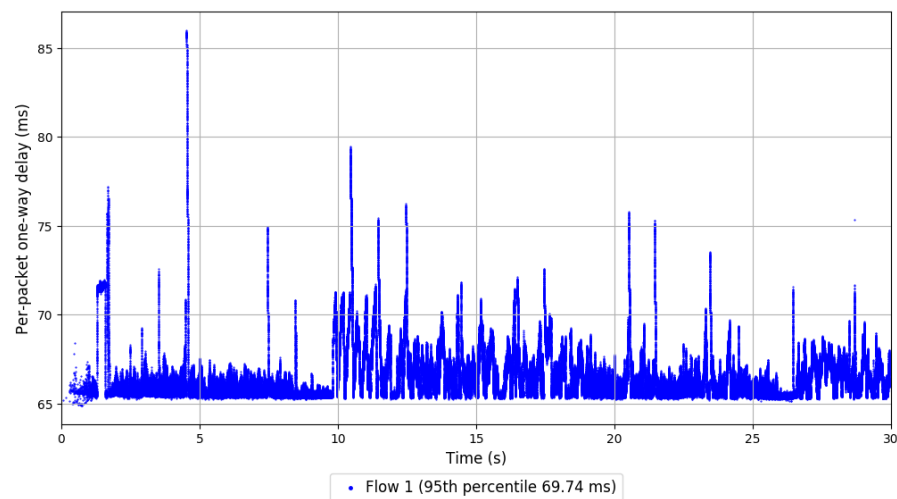
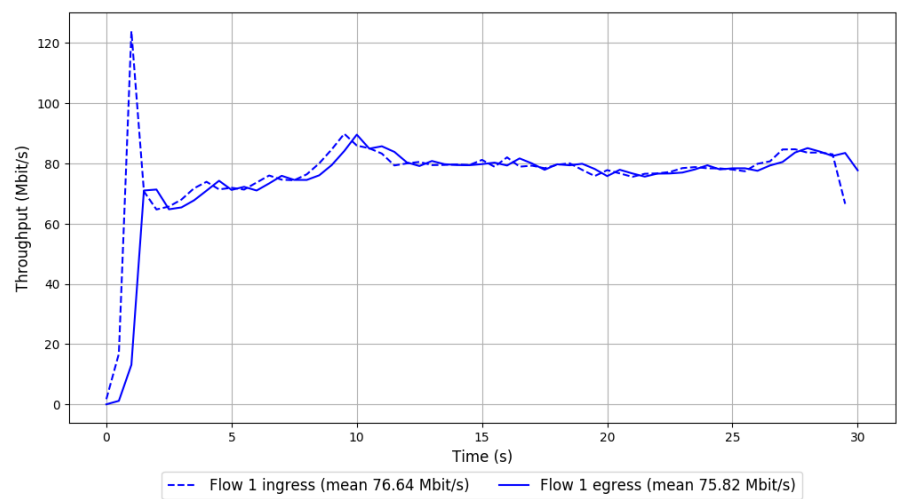
-- Flow 1:

Average throughput: 75.82 Mbit/s

95th percentile per-packet one-way delay: 69.737 ms

Loss rate: 1.07%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-05-24 04:19:51

End at: 2018-05-24 04:20:21

Local clock offset: 0.69 ms

Remote clock offset: 0.39 ms

# Below is generated by plot.py at 2018-05-24 07:03:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 84.96 Mbit/s

95th percentile per-packet one-way delay: 75.092 ms

Loss rate: 1.26%

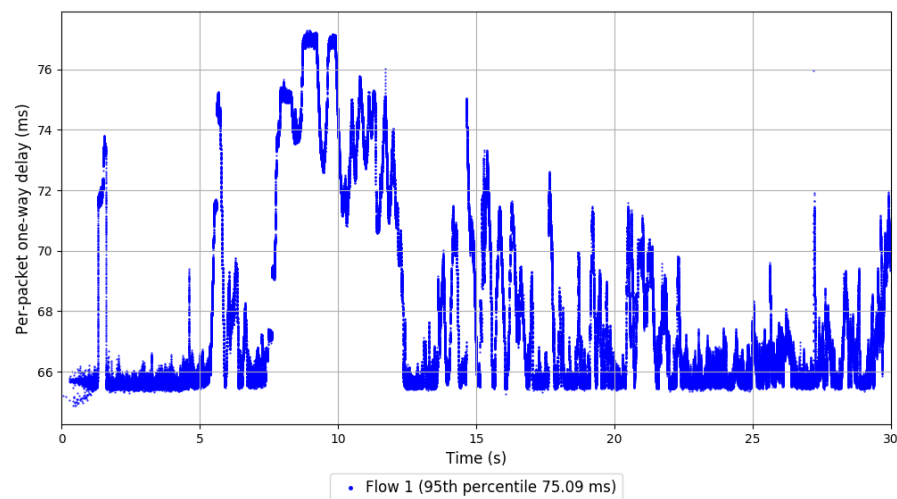
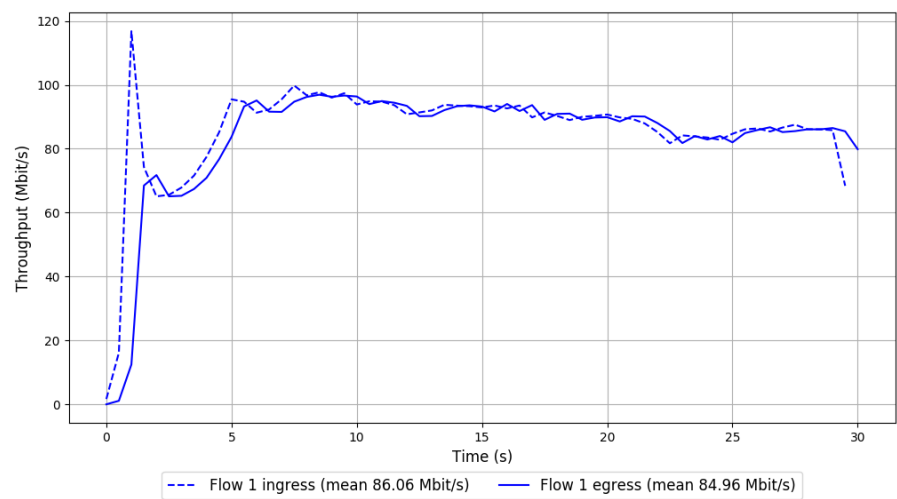
-- Flow 1:

Average throughput: 84.96 Mbit/s

95th percentile per-packet one-way delay: 75.092 ms

Loss rate: 1.26%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-05-24 04:41:25

End at: 2018-05-24 04:41:55

Local clock offset: 0.461 ms

Remote clock offset: -0.111 ms

# Below is generated by plot.py at 2018-05-24 07:03:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 78.72 Mbit/s

95th percentile per-packet one-way delay: 69.523 ms

Loss rate: 1.40%

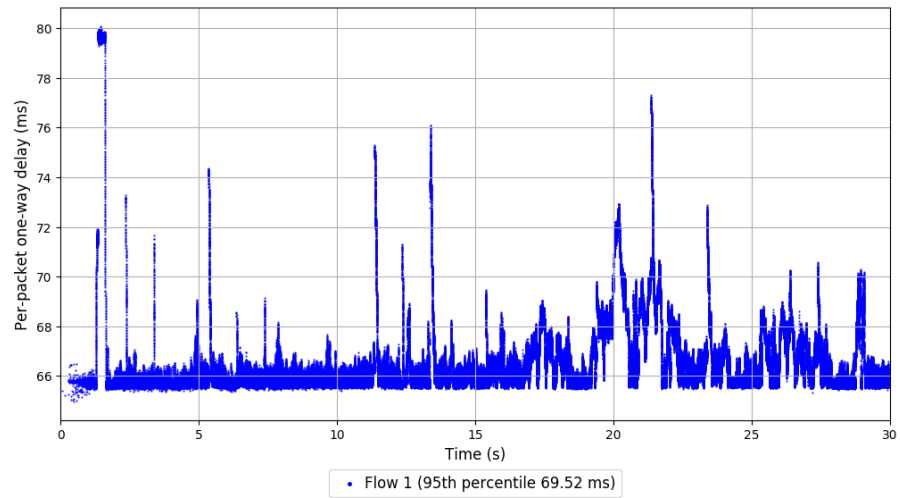
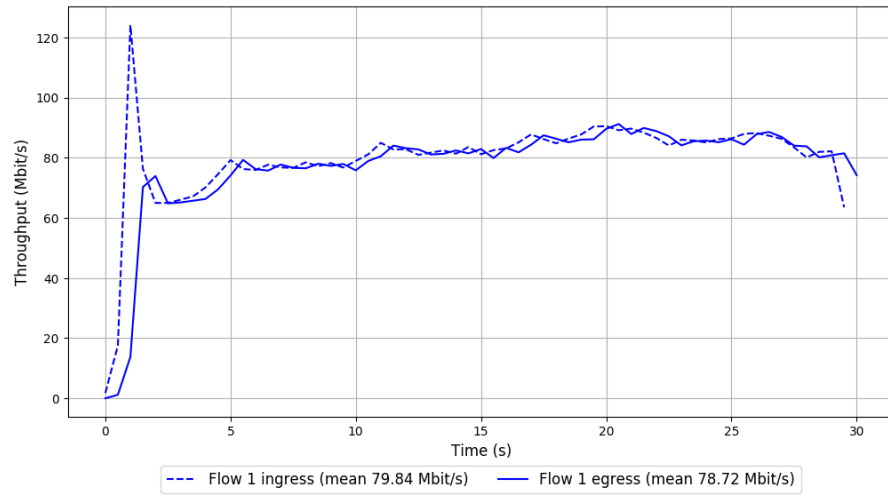
-- Flow 1:

Average throughput: 78.72 Mbit/s

95th percentile per-packet one-way delay: 69.523 ms

Loss rate: 1.40%

#### Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

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

End at: 2018-05-24 05:02:31

Local clock offset: 1.919 ms

Remote clock offset: -0.368 ms

# Below is generated by plot.py at 2018-05-24 07:03:59

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.04 Mbit/s

95th percentile per-packet one-way delay: 72.178 ms

Loss rate: 1.74%

-- Flow 1:

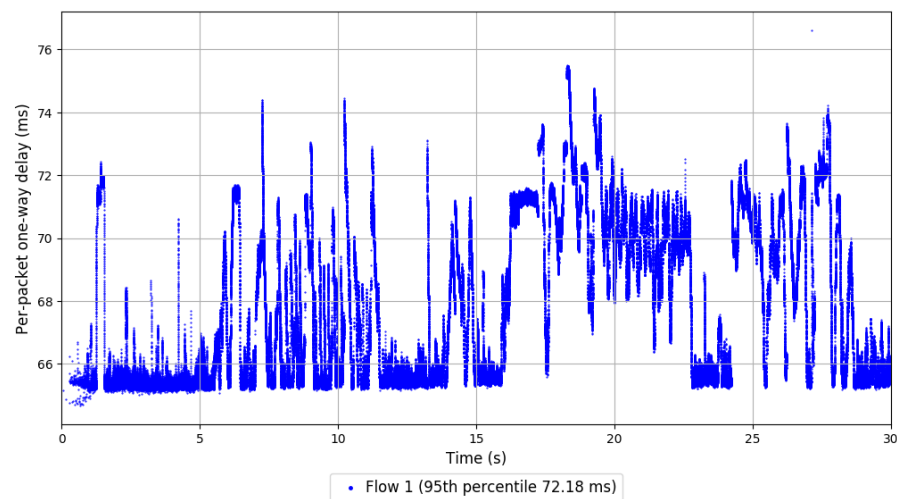
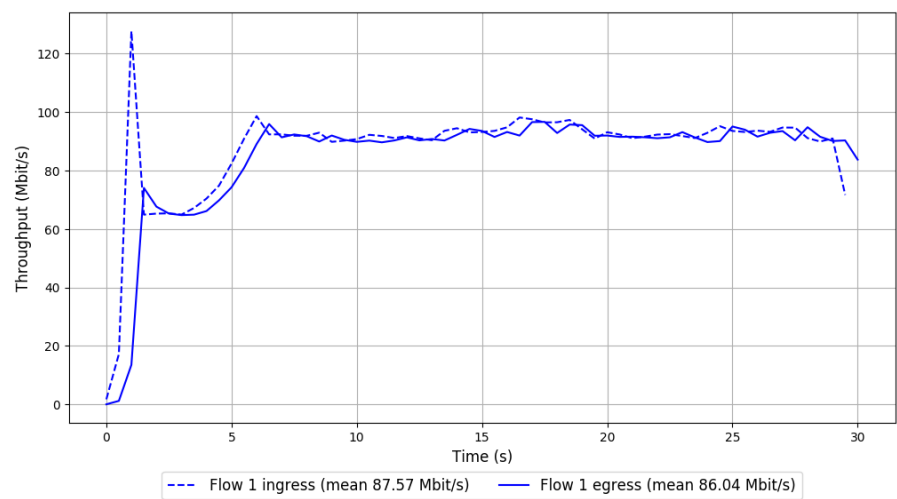
Average throughput: 86.04 Mbit/s

95th percentile per-packet one-way delay: 72.178 ms

Loss rate: 1.74%



Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-05-24 05:22:33

End at: 2018-05-24 05:23:03

Local clock offset: 3.547 ms

Remote clock offset: -0.765 ms

# Below is generated by plot.py at 2018-05-24 07:03:59

# Datalink statistics

-- Total of 1 flow:

Average throughput: 67.30 Mbit/s

95th percentile per-packet one-way delay: 69.997 ms

Loss rate: 2.28%

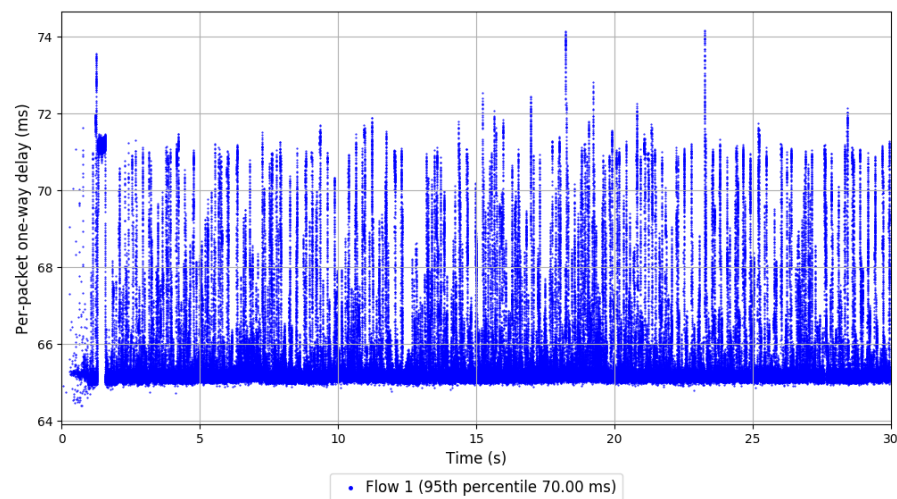
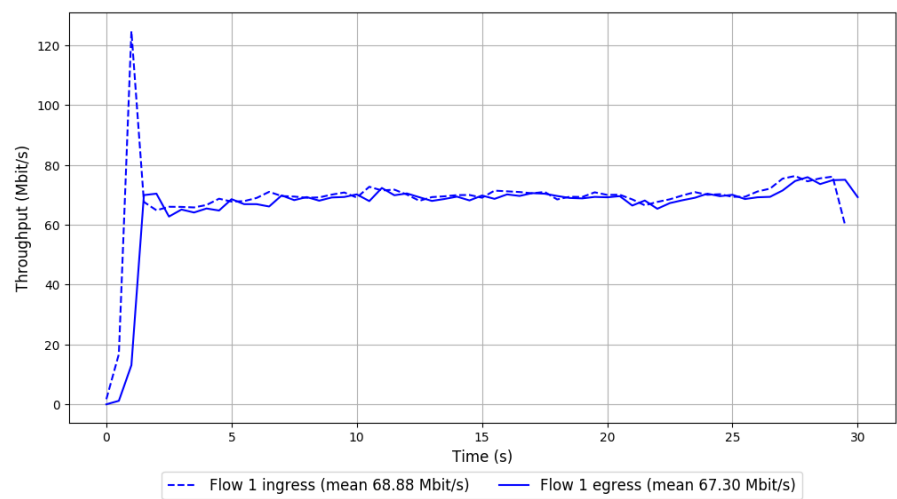
-- Flow 1:

Average throughput: 67.30 Mbit/s

95th percentile per-packet one-way delay: 69.997 ms

Loss rate: 2.28%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-05-24 05:43:01

End at: 2018-05-24 05:43:31

Local clock offset: 3.92 ms

Remote clock offset: -0.34 ms

# Below is generated by plot.py at 2018-05-24 07:03:59

# Datalink statistics

-- Total of 1 flow:

Average throughput: 20.21 Mbit/s

95th percentile per-packet one-way delay: 66.314 ms

Loss rate: 1.02%

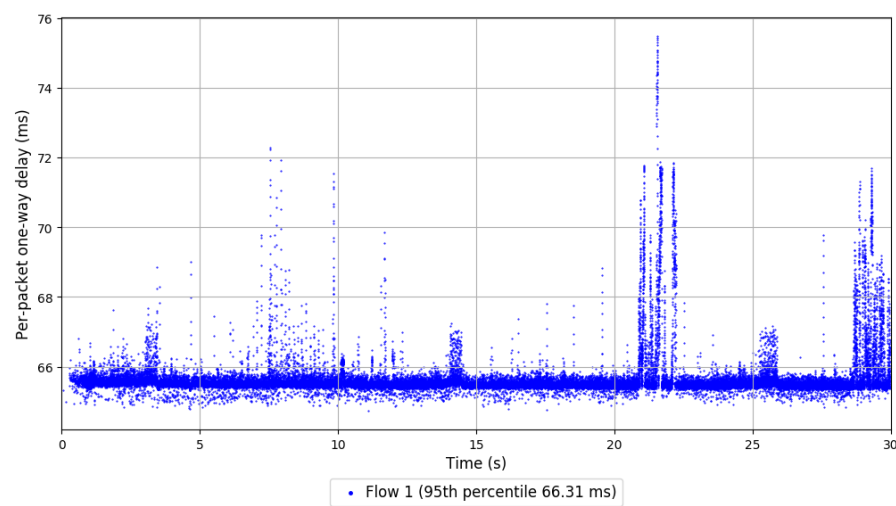
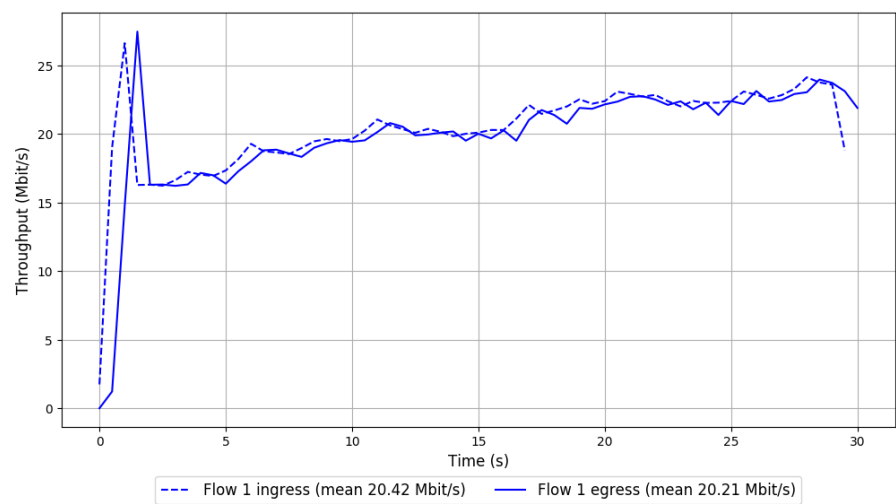
-- Flow 1:

Average throughput: 20.21 Mbit/s

95th percentile per-packet one-way delay: 66.314 ms

Loss rate: 1.02%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-05-24 06:03:28

End at: 2018-05-24 06:03:58

Local clock offset: 3.1 ms

Remote clock offset: 0.452 ms

# Below is generated by plot.py at 2018-05-24 07:03:59

# Datalink statistics

-- Total of 1 flow:

Average throughput: 74.67 Mbit/s

95th percentile per-packet one-way delay: 71.438 ms

Loss rate: 2.06%

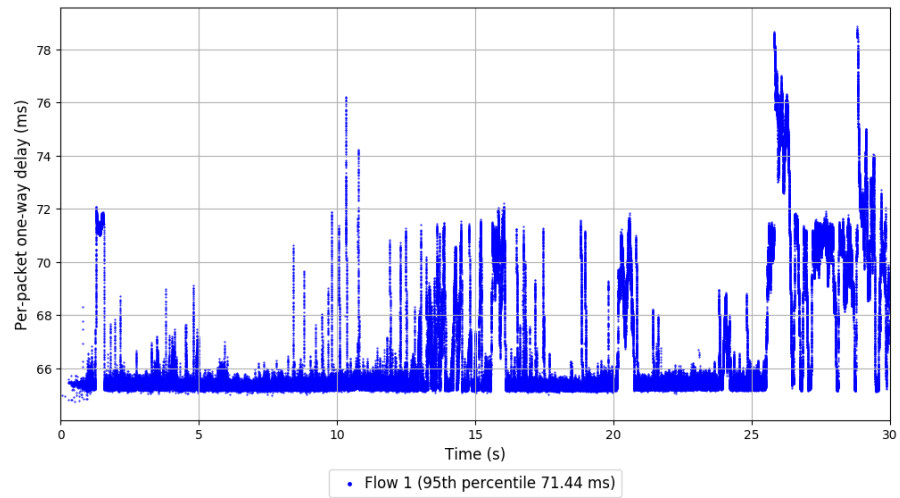
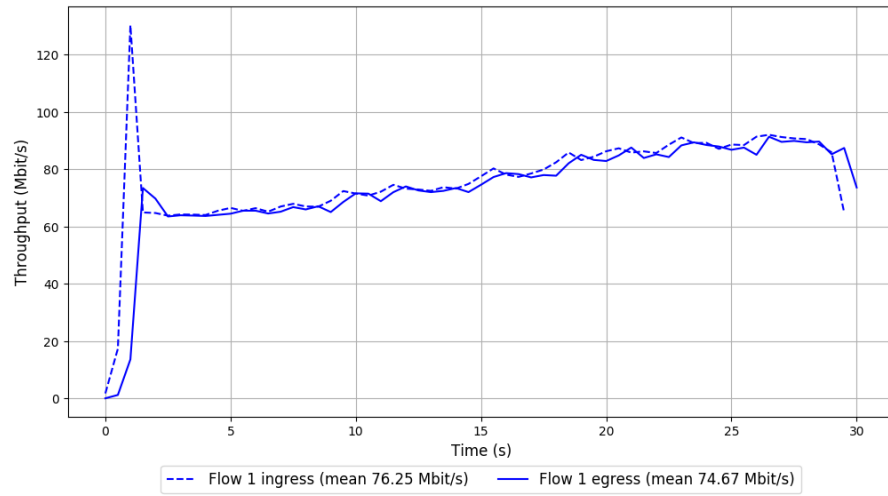
-- Flow 1:

Average throughput: 74.67 Mbit/s

95th percentile per-packet one-way delay: 71.438 ms

Loss rate: 2.06%

## Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-05-24 06:23:56

End at: 2018-05-24 06:24:26

Local clock offset: 2.439 ms

Remote clock offset: 1.129 ms

# Below is generated by plot.py at 2018-05-24 07:04:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.09 Mbit/s

95th percentile per-packet one-way delay: 70.766 ms

Loss rate: 2.18%

-- Flow 1:

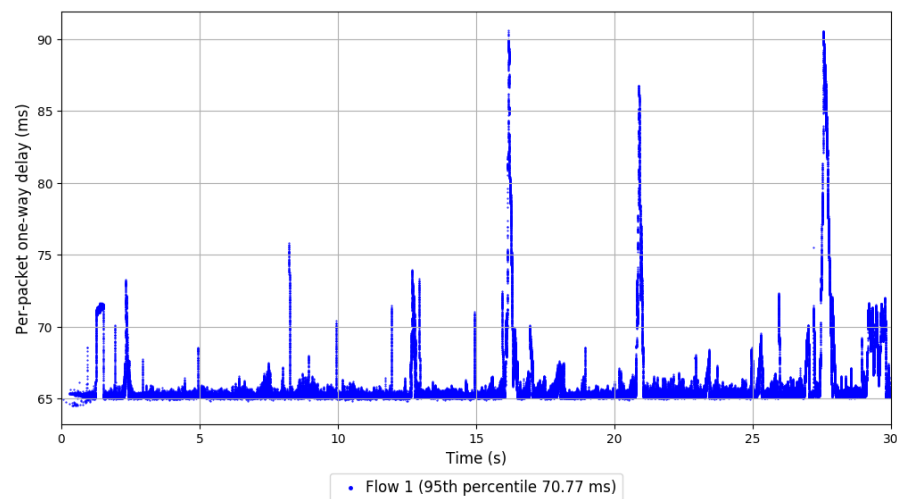
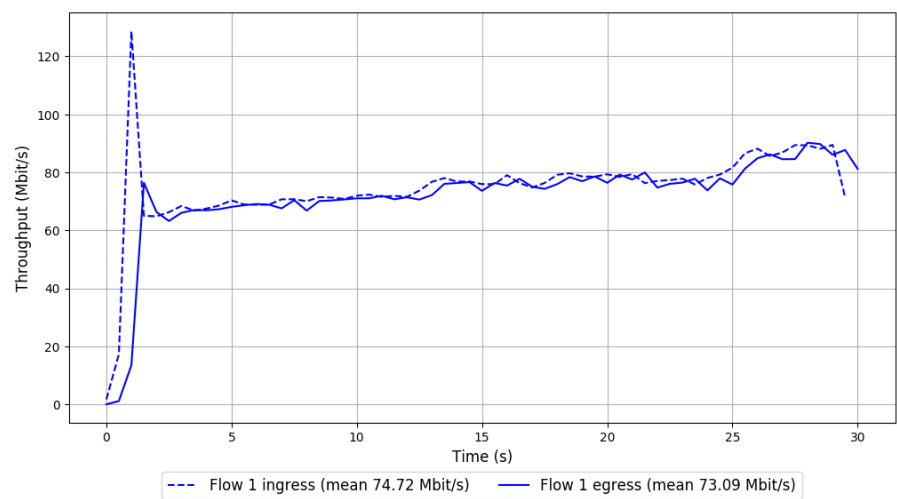
Average throughput: 73.09 Mbit/s

95th percentile per-packet one-way delay: 70.766 ms

Loss rate: 2.18%



Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-05-24 06:44:28

End at: 2018-05-24 06:44:58

Local clock offset: 4.311 ms

Remote clock offset: 1.814 ms

# Below is generated by plot.py at 2018-05-24 07:04:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 60.67 Mbit/s

95th percentile per-packet one-way delay: 72.225 ms

Loss rate: 1.88%

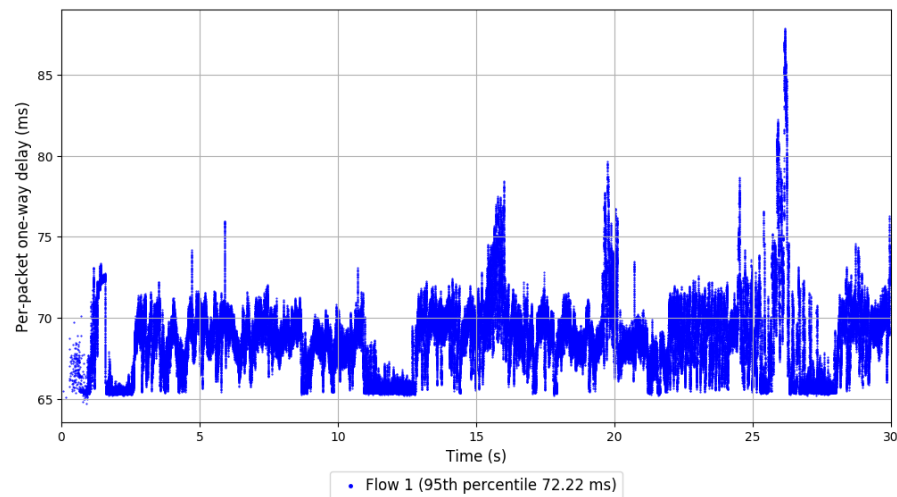
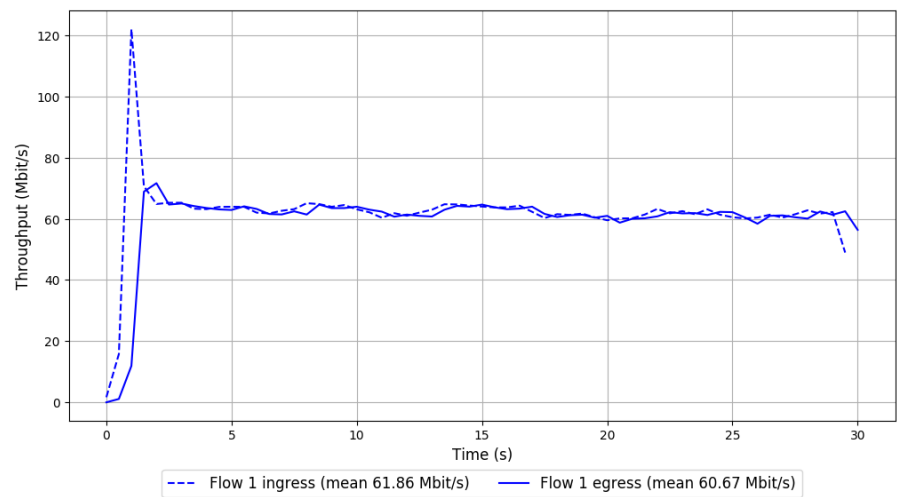
-- Flow 1:

Average throughput: 60.67 Mbit/s

95th percentile per-packet one-way delay: 72.225 ms

Loss rate: 1.88%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

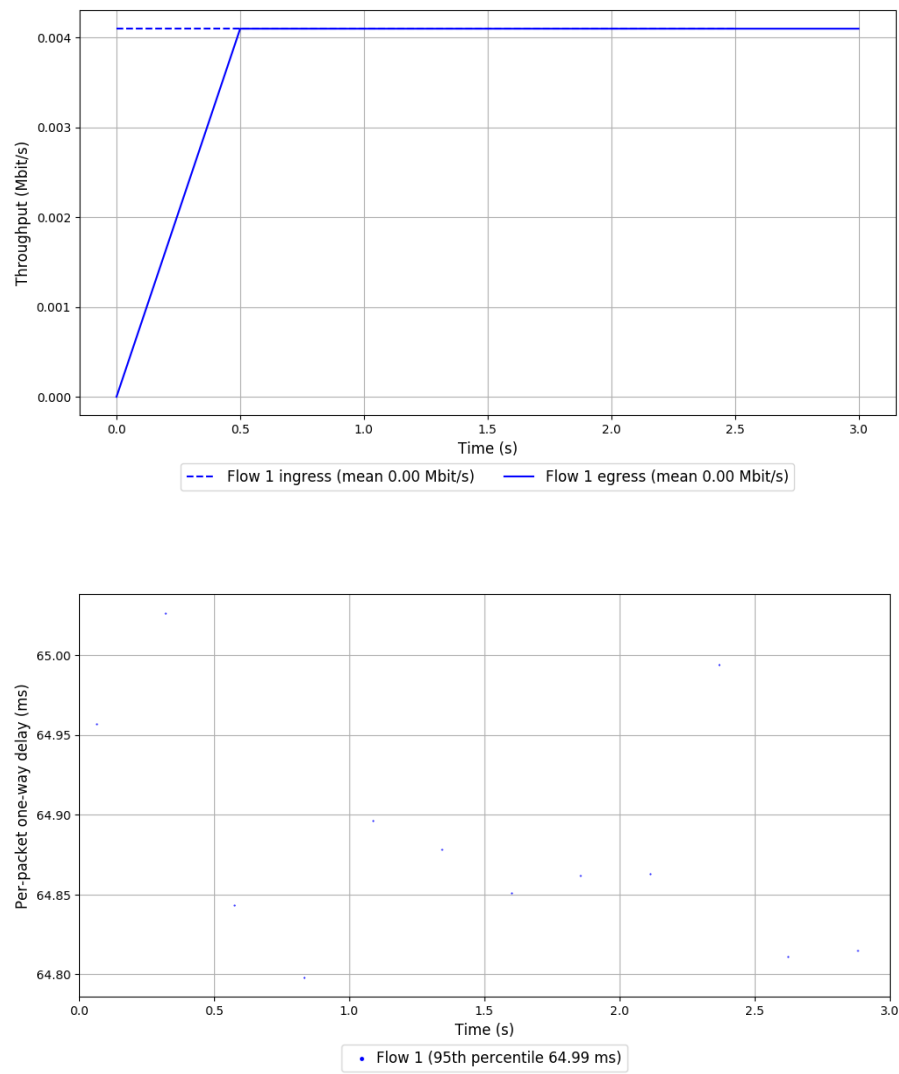
Start at: 2018-05-24 03:45:02

End at: 2018-05-24 03:45:32

Local clock offset: 2.557 ms

Remote clock offset: 0.069 ms

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

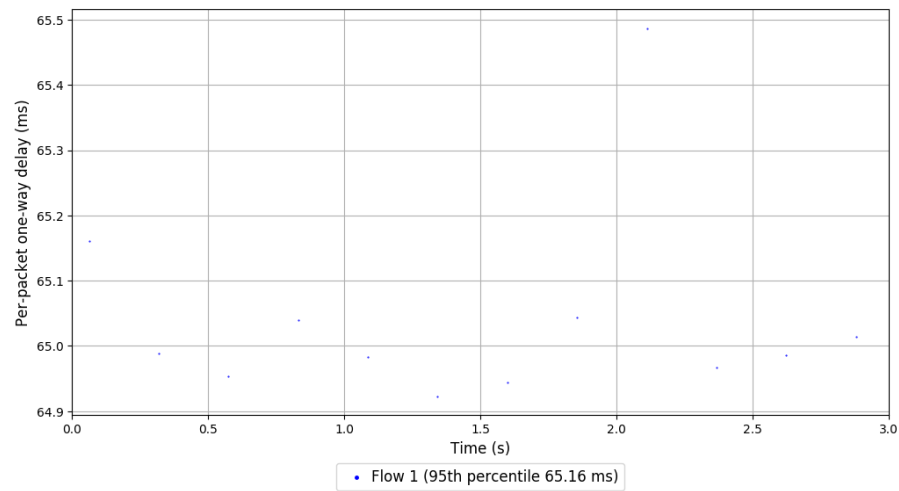
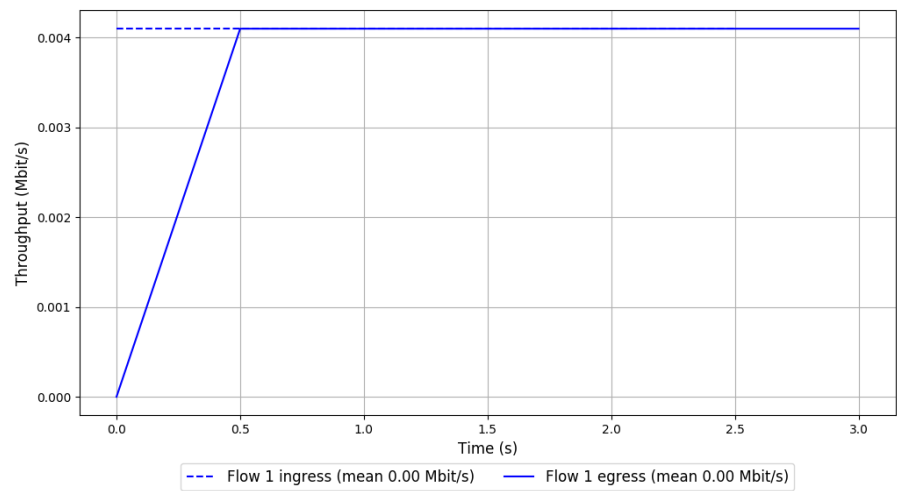
Start at: 2018-05-24 04:05:34

End at: 2018-05-24 04:06:04

Local clock offset: 1.462 ms

Remote clock offset: 0.194 ms

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-05-24 04:26:09

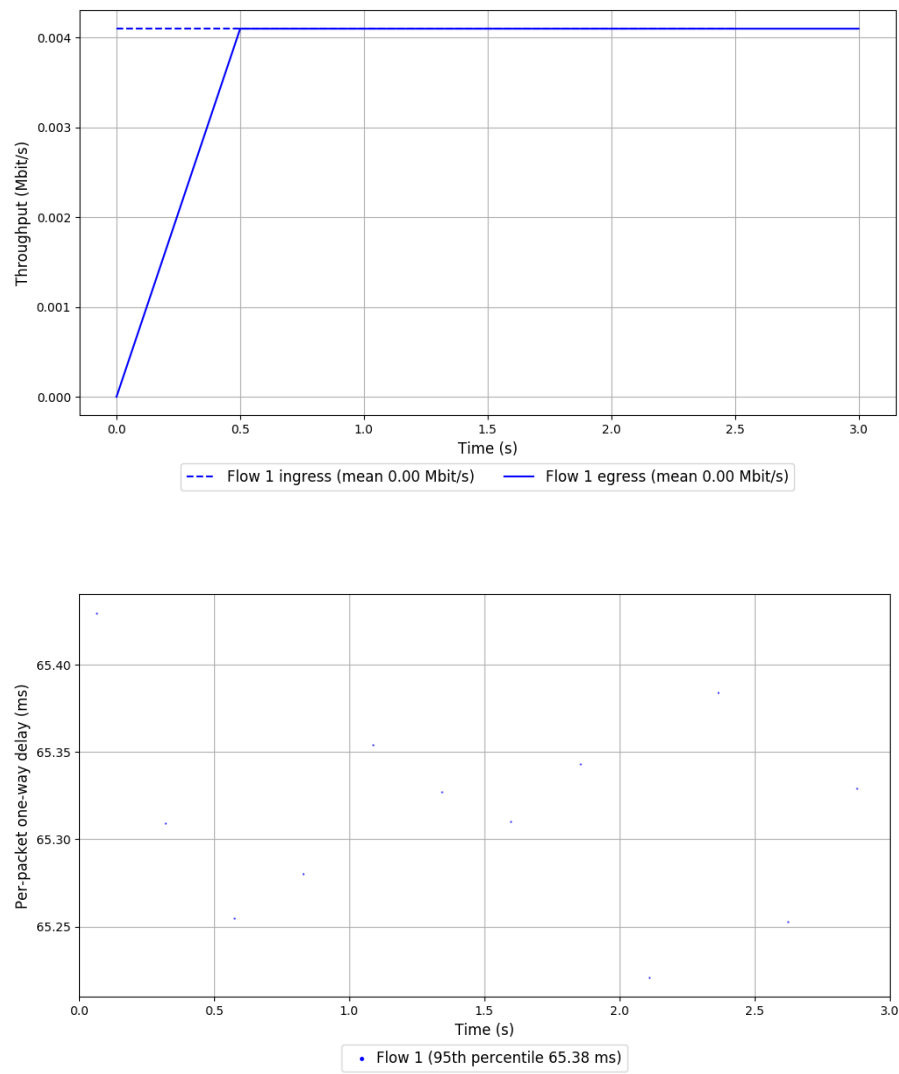
End at: 2018-05-24 04:26:39

Local clock offset: 0.398 ms

Remote clock offset: 0.383 ms



Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

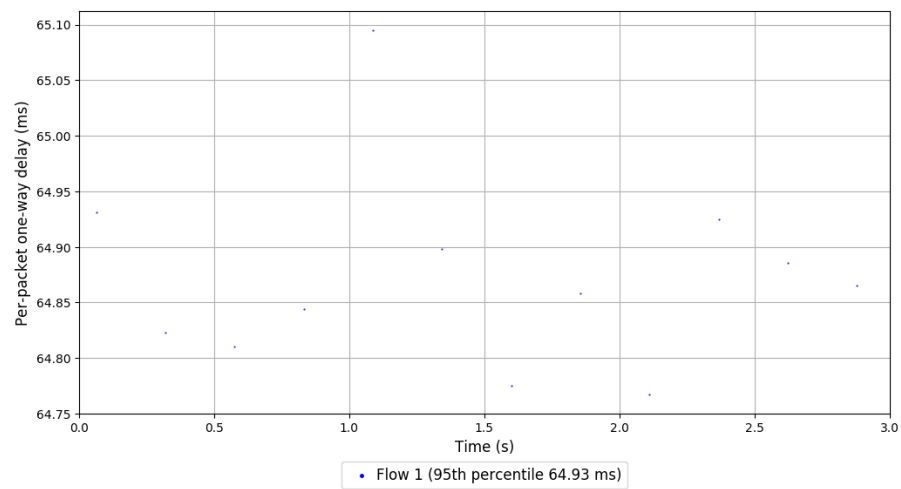
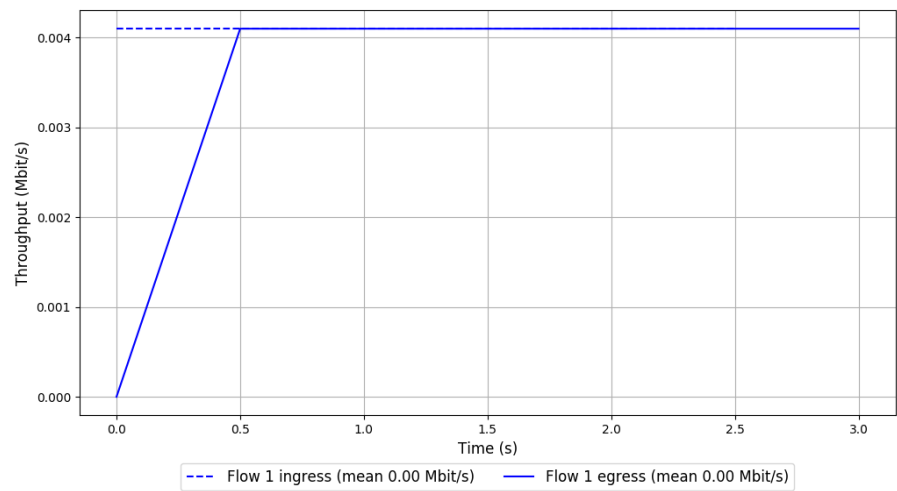
Start at: 2018-05-24 04:47:45

End at: 2018-05-24 04:48:15

Local clock offset: 0.616 ms

Remote clock offset: -0.214 ms

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

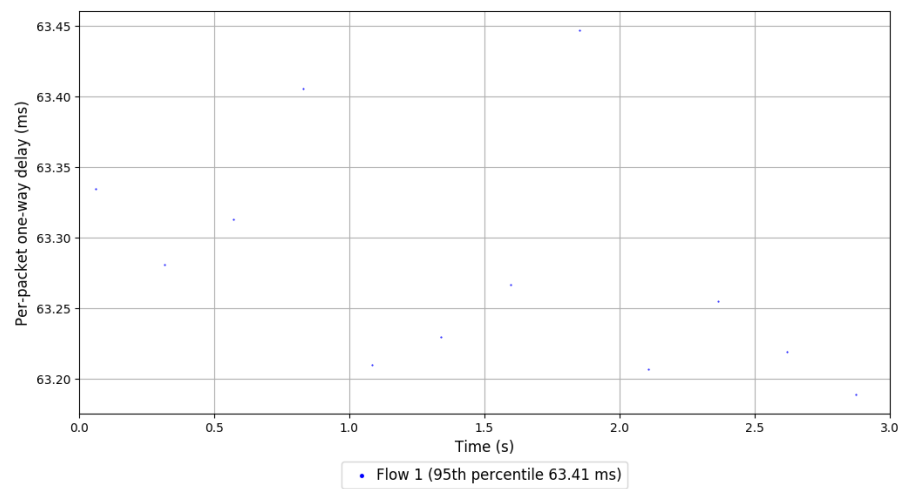
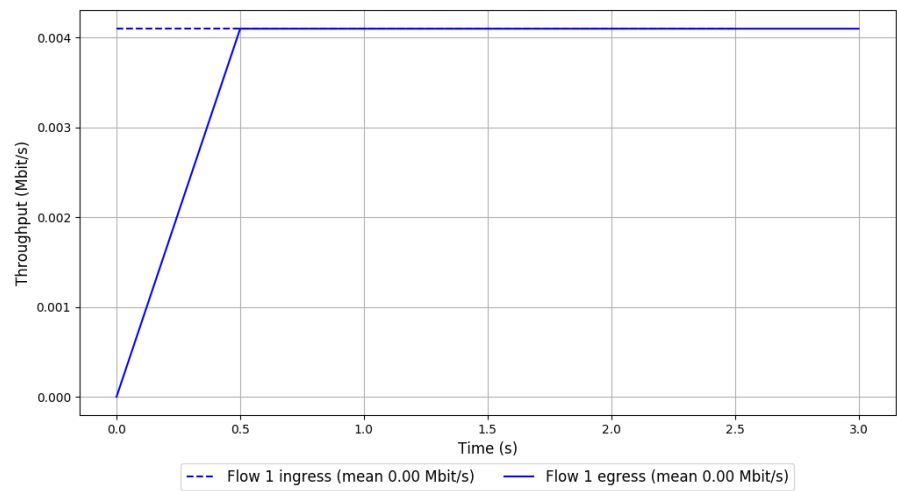
Start at: 2018-05-24 05:08:20

End at: 2018-05-24 05:08:50

Local clock offset: 2.61 ms

Remote clock offset: -2.556 ms

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

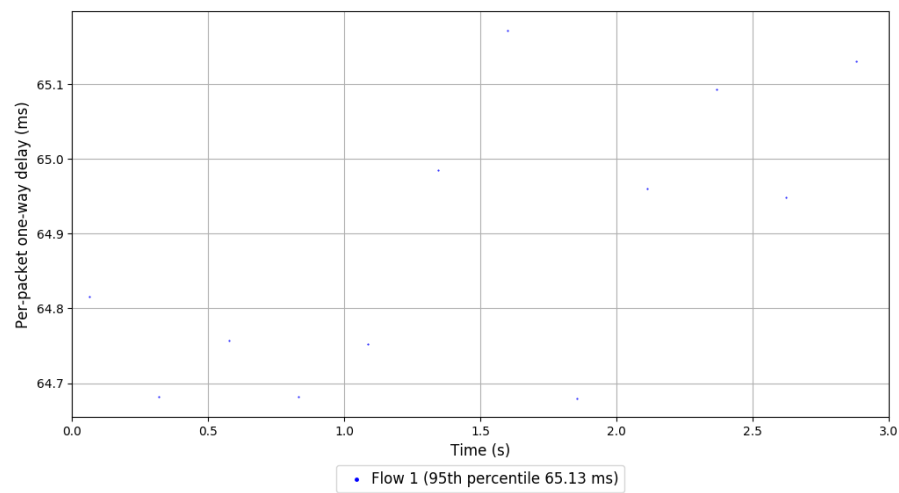
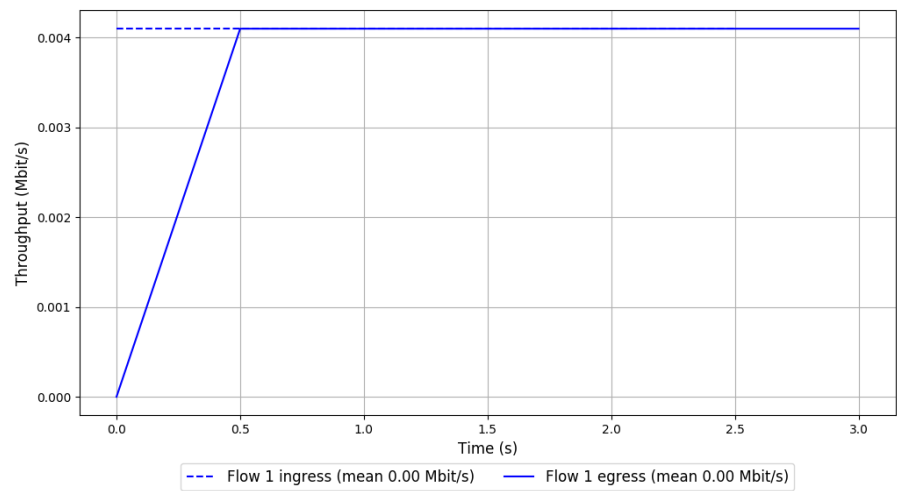
Start at: 2018-05-24 05:28:51

End at: 2018-05-24 05:29:21

Local clock offset: 3.626 ms

Remote clock offset: -0.851 ms

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-05-24 05:49:18

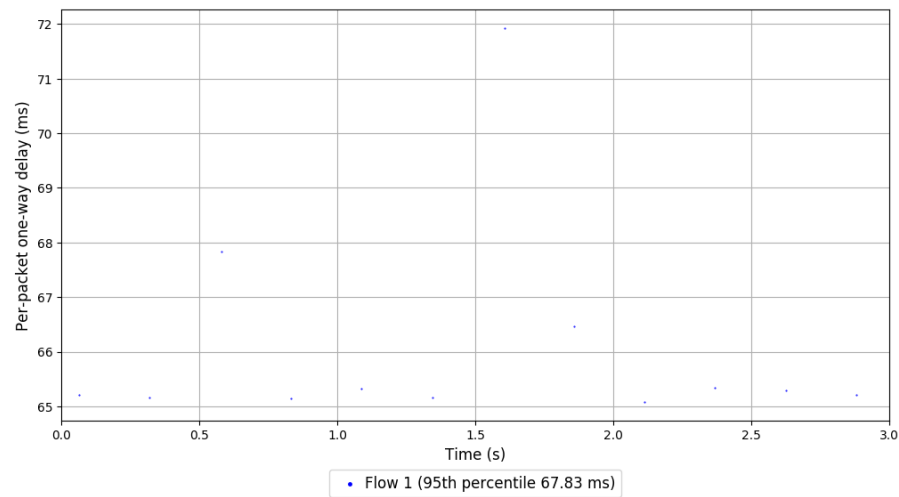
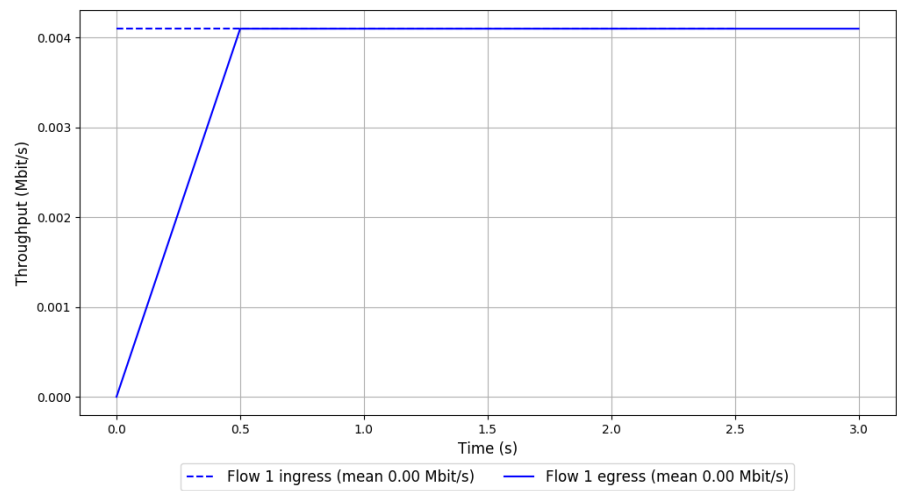
End at: 2018-05-24 05:49:48

Local clock offset: 3.934 ms

Remote clock offset: 0.147 ms



Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

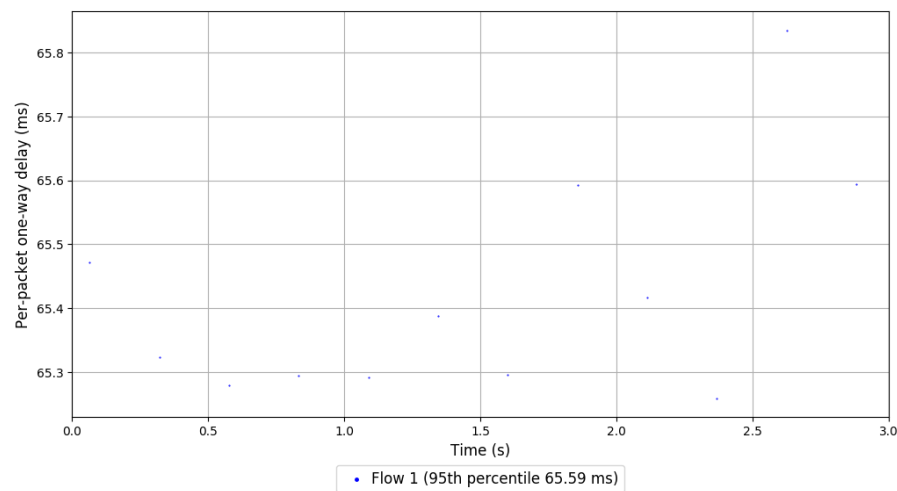
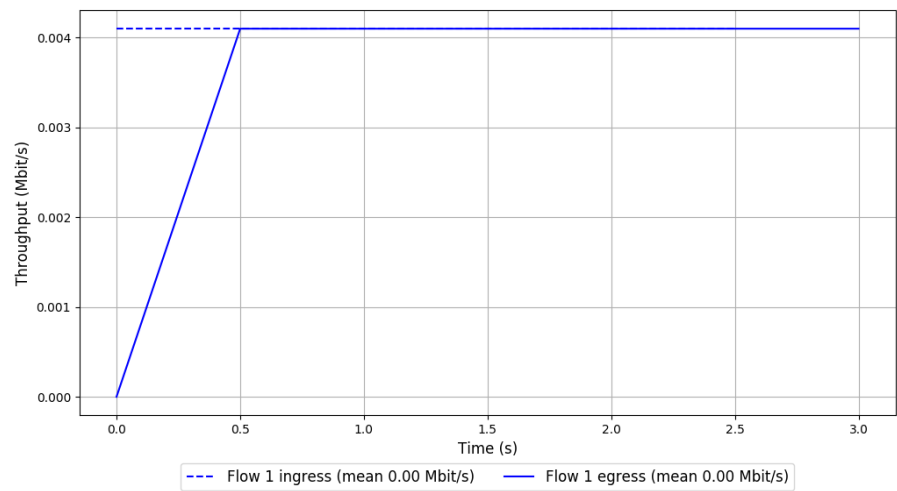
Start at: 2018-05-24 06:09:46

End at: 2018-05-24 06:10:16

Local clock offset: 2.565 ms

Remote clock offset: 0.534 ms

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

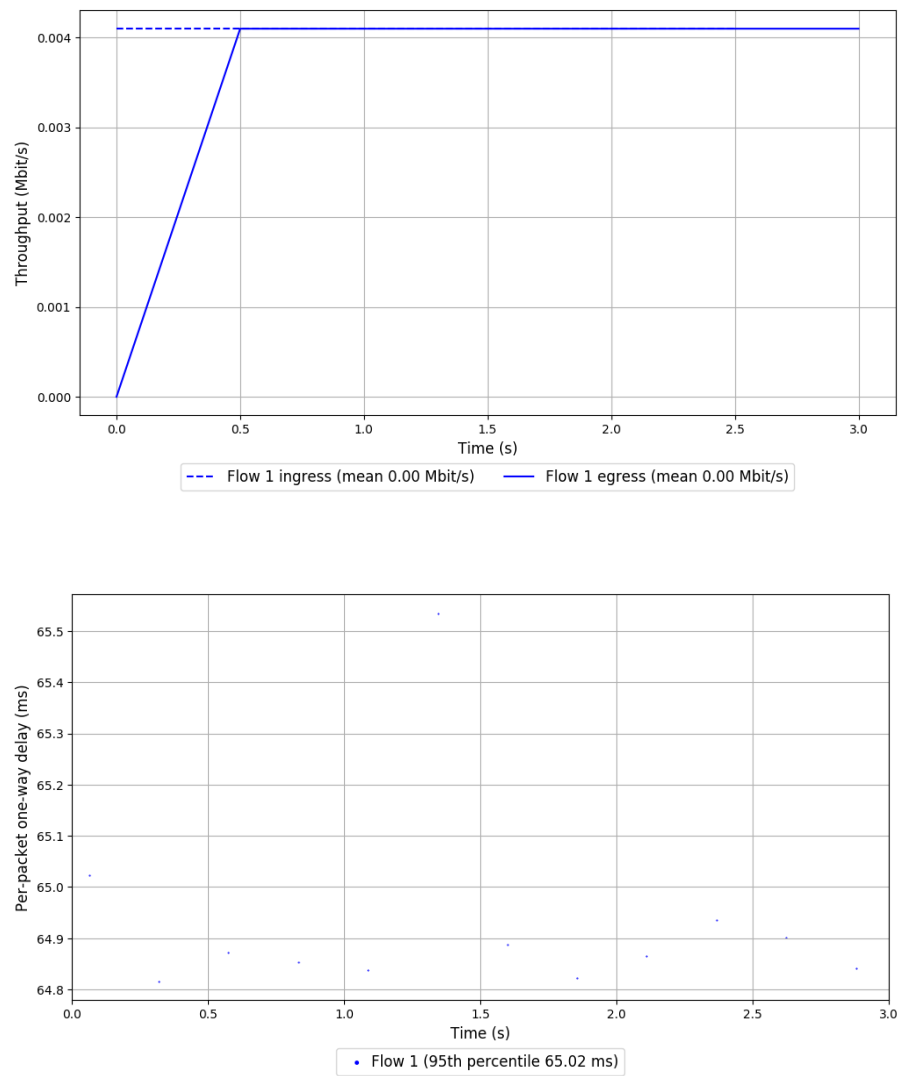
Start at: 2018-05-24 06:30:13

End at: 2018-05-24 06:30:43

Local clock offset: 3.028 ms

Remote clock offset: 1.177 ms

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

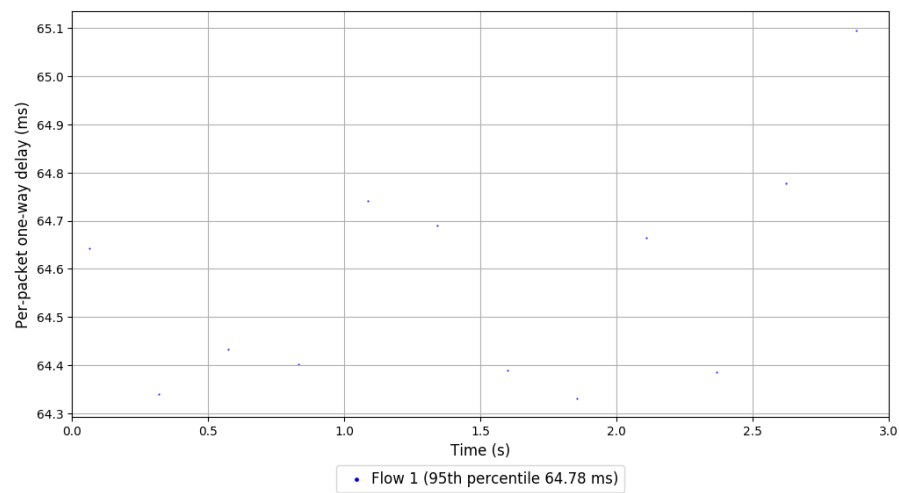
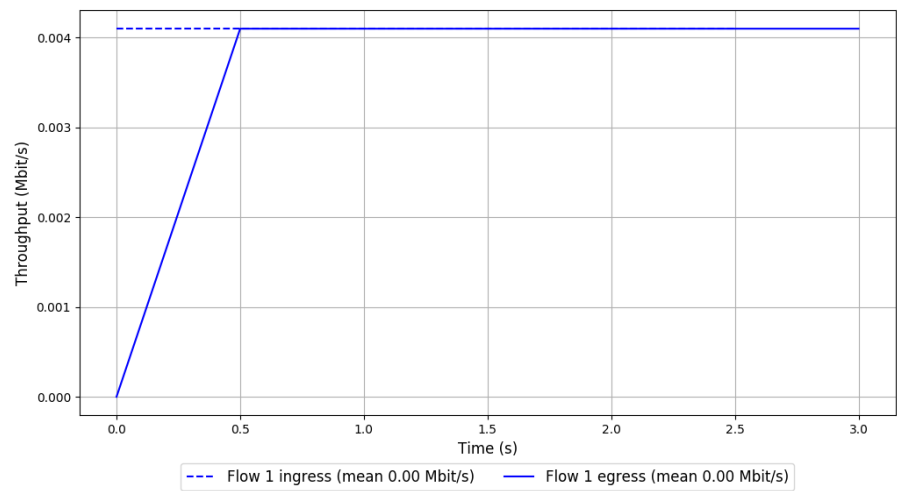
Start at: 2018-05-24 06:50:46

End at: 2018-05-24 06:51:16

Local clock offset: 4.412 ms

Remote clock offset: 0.534 ms

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-05-24 03:34:55

End at: 2018-05-24 03:35:25

Local clock offset: 3.015 ms

Remote clock offset: 0.166 ms

# Below is generated by plot.py at 2018-05-24 07:04:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 39.48 Mbit/s

95th percentile per-packet one-way delay: 65.822 ms

Loss rate: 1.07%

-- Flow 1:

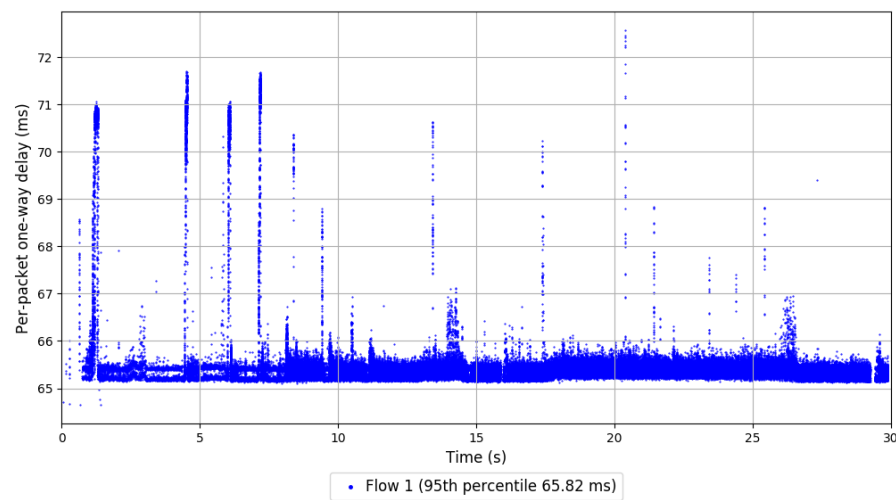
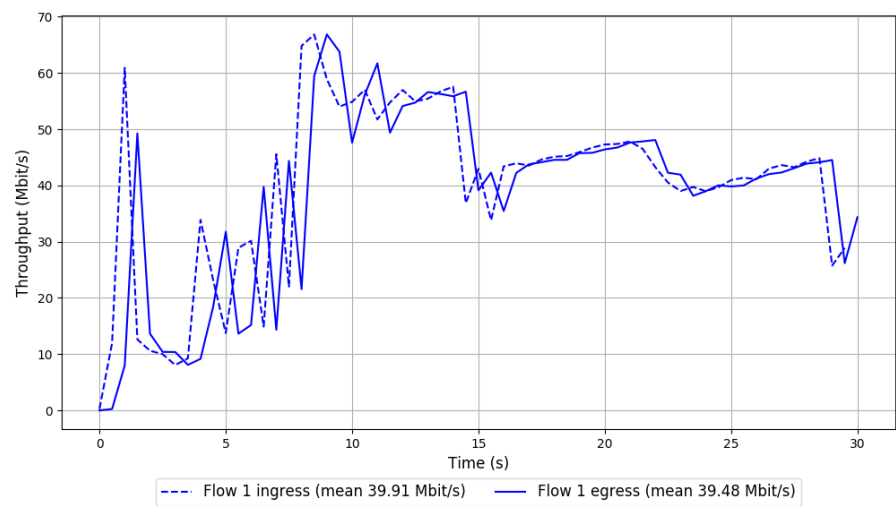
Average throughput: 39.48 Mbit/s

95th percentile per-packet one-way delay: 65.822 ms

Loss rate: 1.07%



Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-05-24 03:55:27

End at: 2018-05-24 03:55:57

Local clock offset: 2.277 ms

Remote clock offset: -0.059 ms

# Below is generated by plot.py at 2018-05-24 07:04:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 40.23 Mbit/s

95th percentile per-packet one-way delay: 66.999 ms

Loss rate: 0.64%

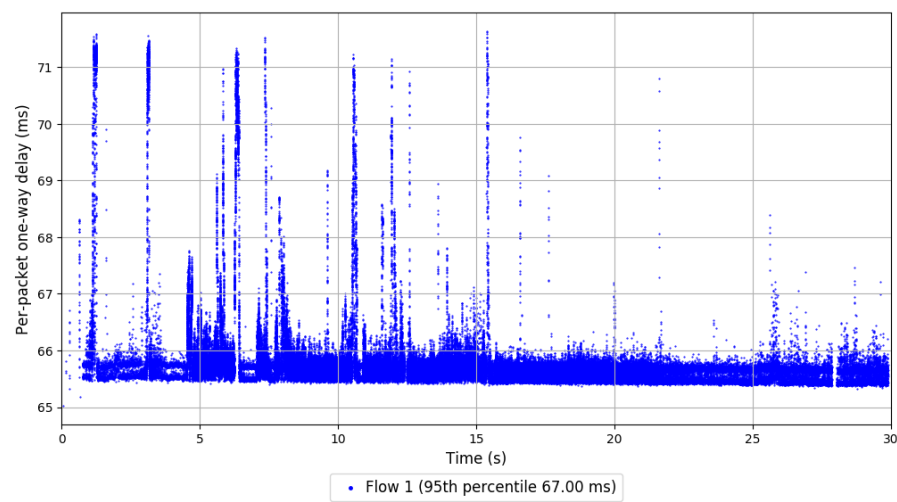
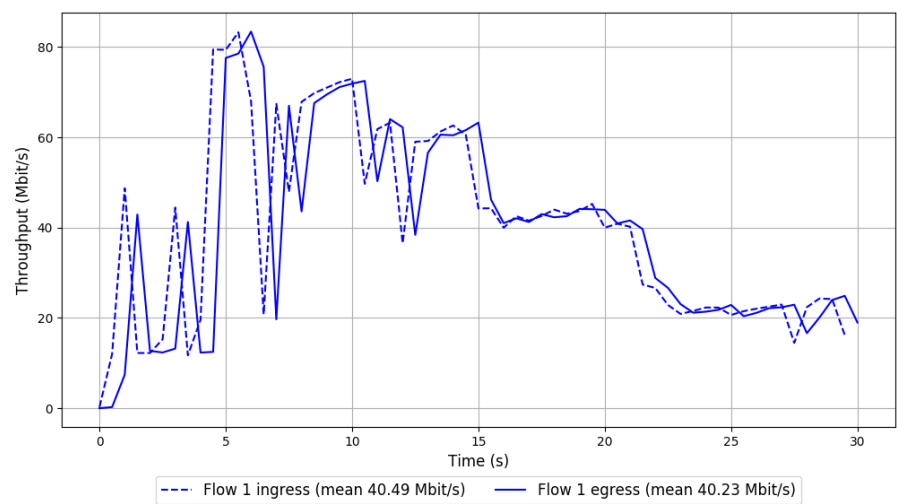
-- Flow 1:

Average throughput: 40.23 Mbit/s

95th percentile per-packet one-way delay: 66.999 ms

Loss rate: 0.64%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-05-24 04:16:02

End at: 2018-05-24 04:16:32

Local clock offset: 0.969 ms

Remote clock offset: 0.365 ms

# Below is generated by plot.py at 2018-05-24 07:04:37

# Datalink statistics

-- Total of 1 flow:

Average throughput: 41.71 Mbit/s

95th percentile per-packet one-way delay: 66.606 ms

Loss rate: 1.05%

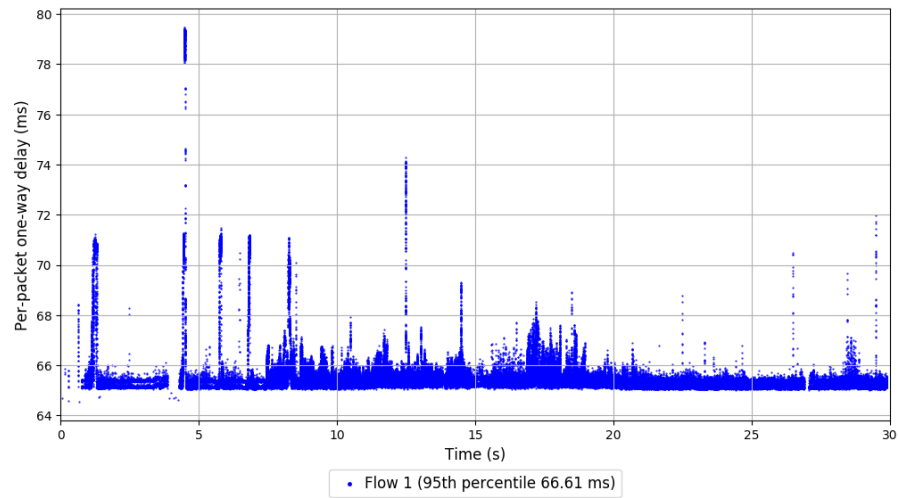
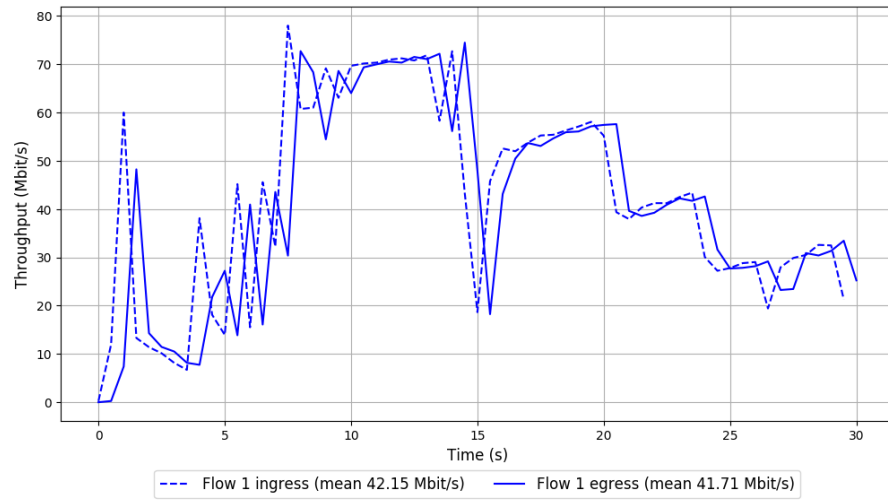
-- Flow 1:

Average throughput: 41.71 Mbit/s

95th percentile per-packet one-way delay: 66.606 ms

Loss rate: 1.05%

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



Run 4: Statistics of QUIC Cubic

Start at: 2018-05-24 04:37:07

End at: 2018-05-24 04:37:37

Local clock offset: 0.713 ms

Remote clock offset: -0.007 ms

# Below is generated by plot.py at 2018-05-24 07:04:37

# Datalink statistics

-- Total of 1 flow:

Average throughput: 24.98 Mbit/s

95th percentile per-packet one-way delay: 68.717 ms

Loss rate: 0.95%

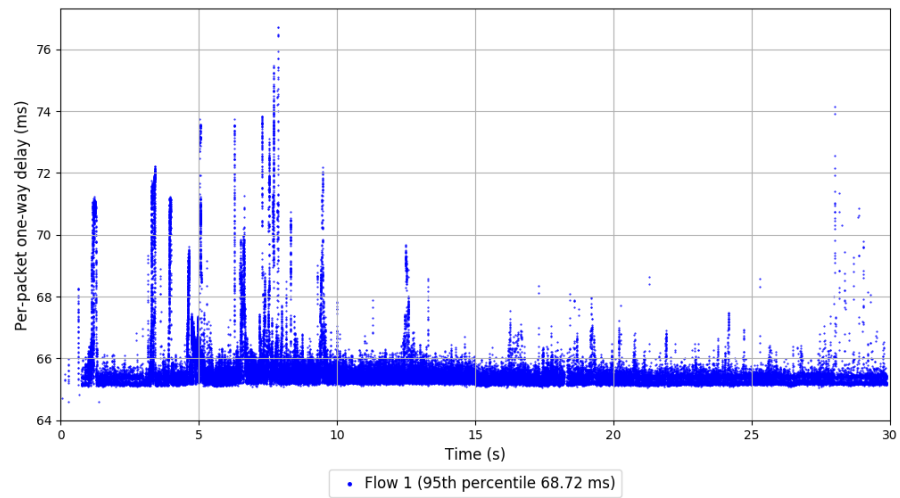
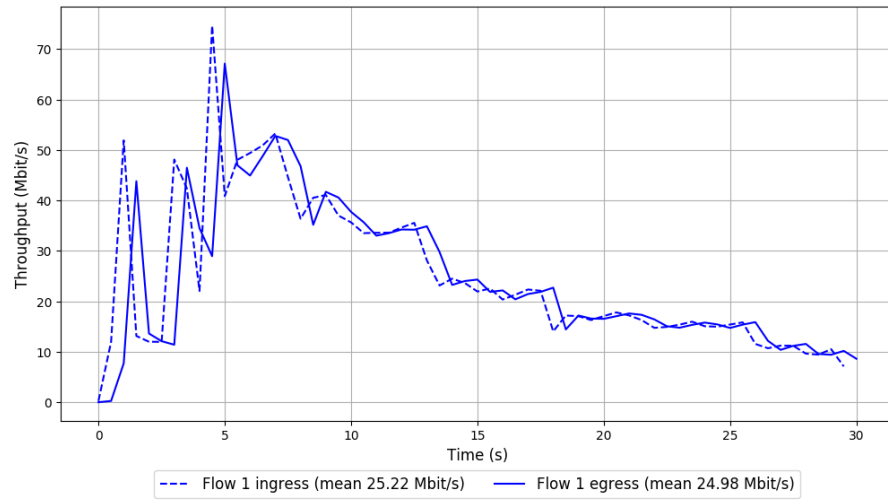
-- Flow 1:

Average throughput: 24.98 Mbit/s

95th percentile per-packet one-way delay: 68.717 ms

Loss rate: 0.95%

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



Run 5: Statistics of QUIC Cubic

Start at: 2018-05-24 04:58:15

End at: 2018-05-24 04:58:45

Local clock offset: 0.846 ms

Remote clock offset: -0.346 ms

# Below is generated by plot.py at 2018-05-24 07:04:37

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.63 Mbit/s

95th percentile per-packet one-way delay: 66.231 ms

Loss rate: 1.09%

-- Flow 1:

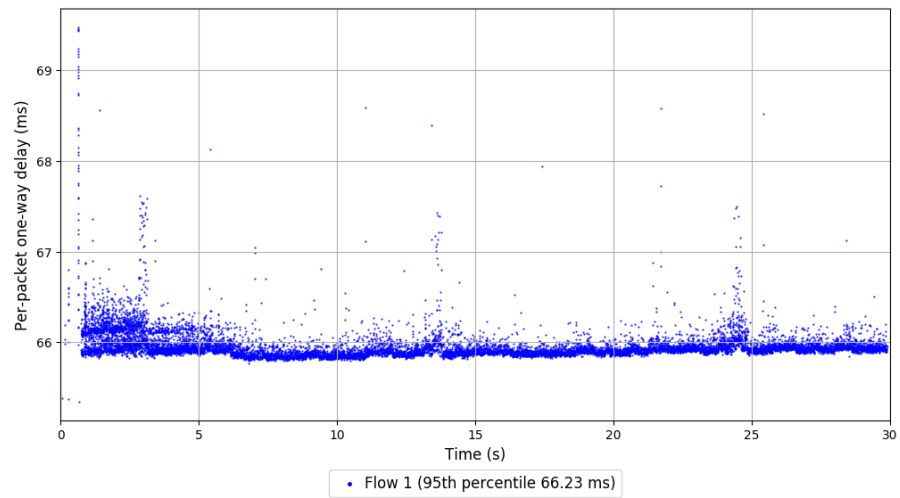
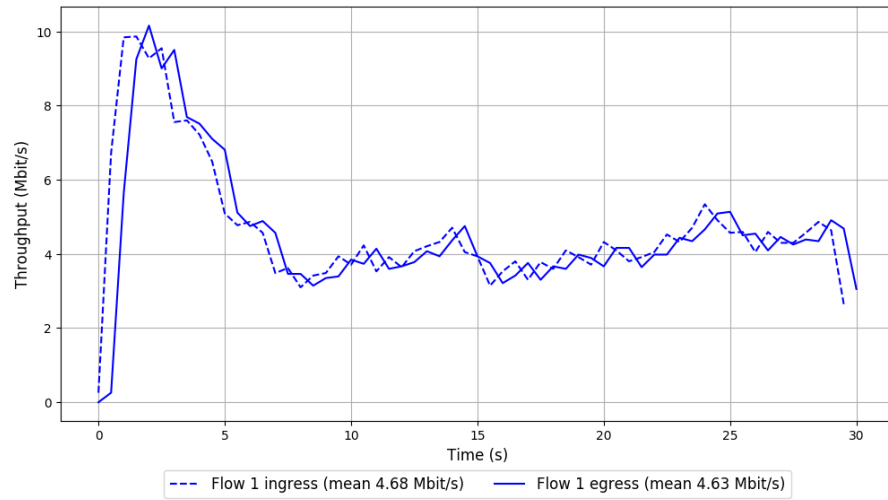
Average throughput: 4.63 Mbit/s

95th percentile per-packet one-way delay: 66.231 ms

Loss rate: 1.09%



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



Run 6: Statistics of QUIC Cubic

Start at: 2018-05-24 05:18:47

End at: 2018-05-24 05:19:17

Local clock offset: 3.237 ms

Remote clock offset: -0.636 ms

# Below is generated by plot.py at 2018-05-24 07:04:37

# Datalink statistics

-- Total of 1 flow:

Average throughput: 13.60 Mbit/s

95th percentile per-packet one-way delay: 66.030 ms

Loss rate: 0.56%

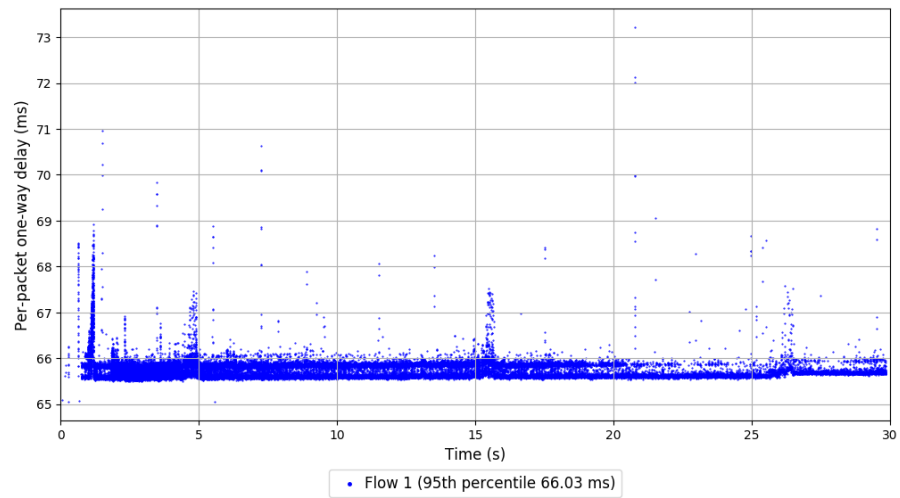
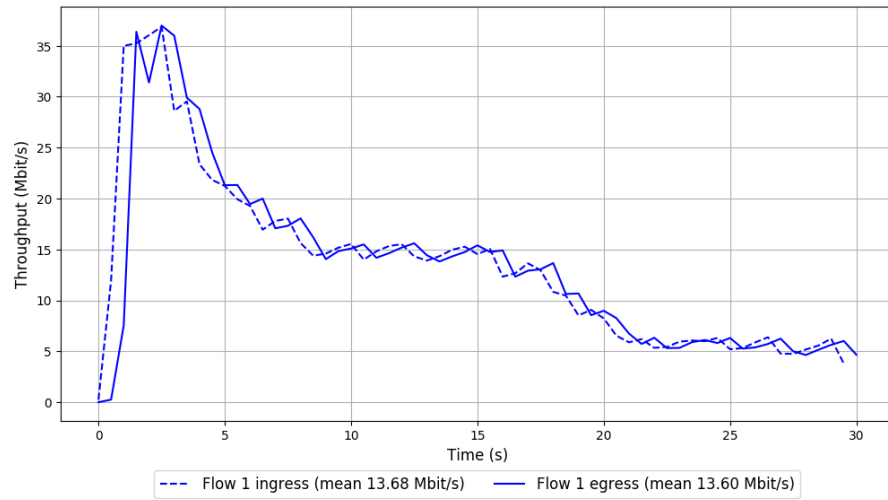
-- Flow 1:

Average throughput: 13.60 Mbit/s

95th percentile per-packet one-way delay: 66.030 ms

Loss rate: 0.56%

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

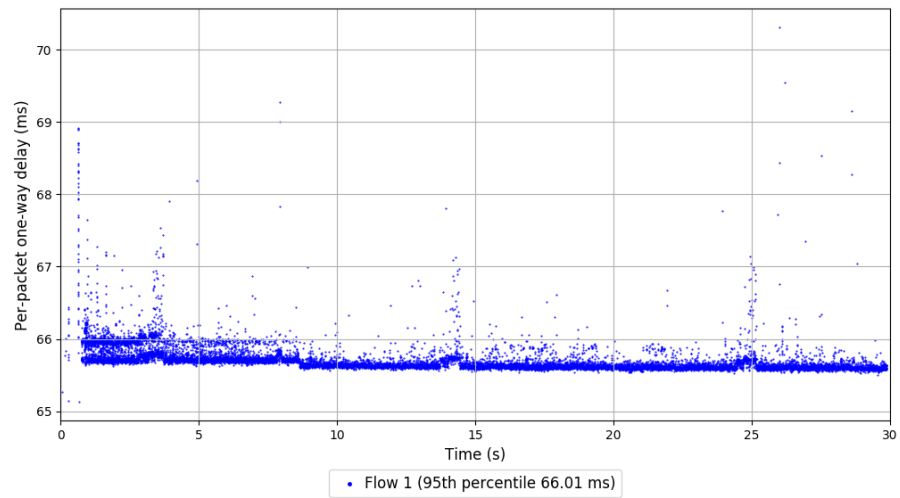
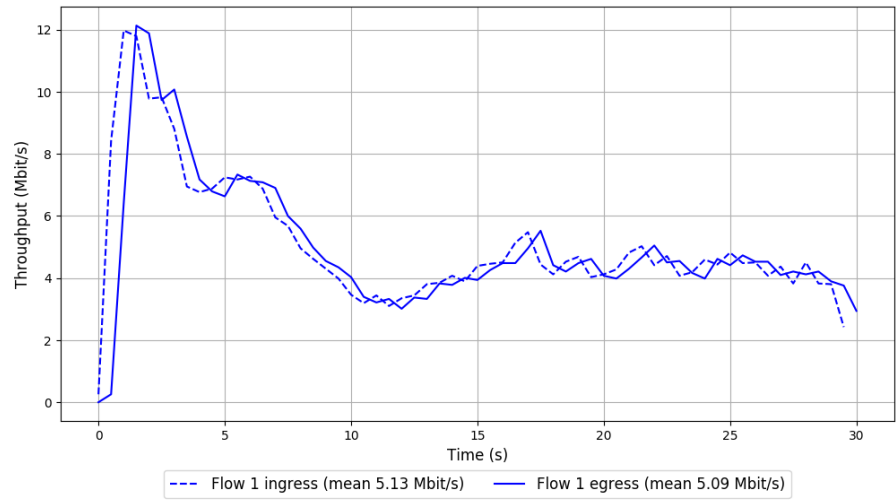


Run 7: Statistics of QUIC Cubic

Start at: 2018-05-24 05:39:15  
End at: 2018-05-24 05:39:45  
Local clock offset: 3.719 ms  
Remote clock offset: -0.587 ms

# Below is generated by plot.py at 2018-05-24 07:04:37  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 5.09 Mbit/s  
95th percentile per-packet one-way delay: 66.006 ms  
Loss rate: 0.86%  
-- Flow 1:  
Average throughput: 5.09 Mbit/s  
95th percentile per-packet one-way delay: 66.006 ms  
Loss rate: 0.86%

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



Run 8: Statistics of QUIC Cubic

Start at: 2018-05-24 05:59:41

End at: 2018-05-24 06:00:11

Local clock offset: 3.41 ms

Remote clock offset: 0.514 ms

# Below is generated by plot.py at 2018-05-24 07:04:37

# Datalink statistics

-- Total of 1 flow:

Average throughput: 7.79 Mbit/s

95th percentile per-packet one-way delay: 67.674 ms

Loss rate: 0.47%

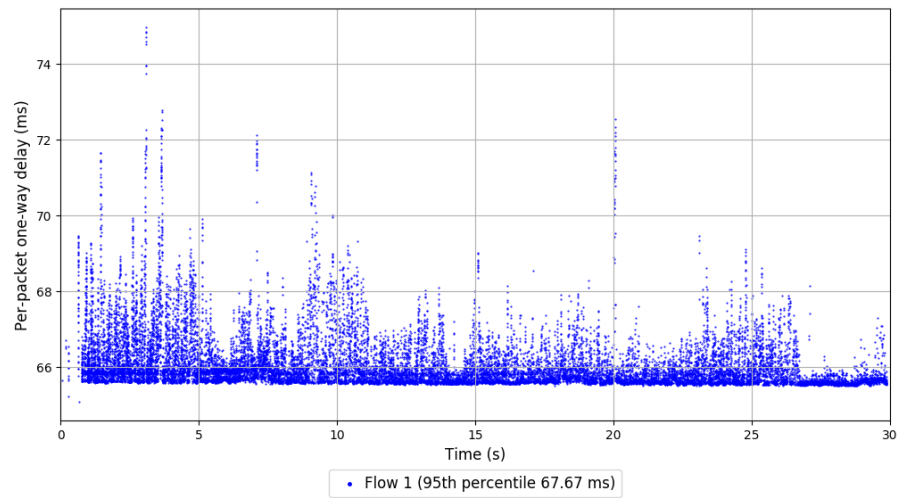
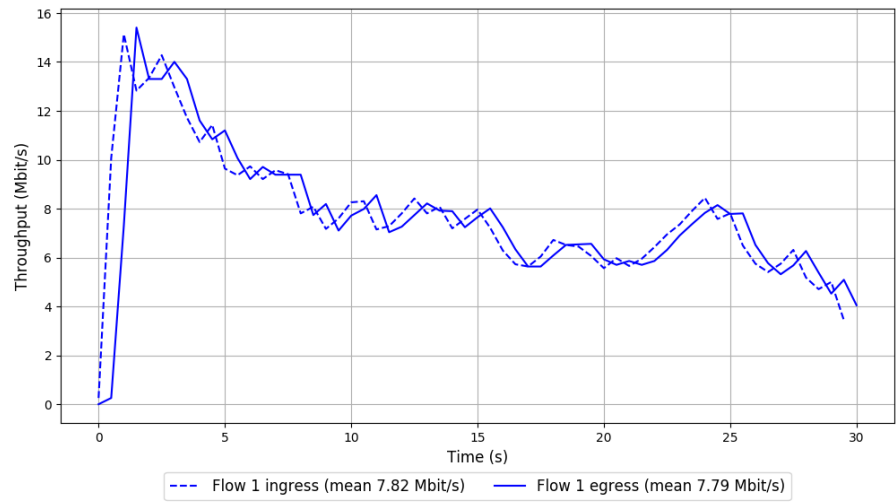
-- Flow 1:

Average throughput: 7.79 Mbit/s

95th percentile per-packet one-way delay: 67.674 ms

Loss rate: 0.47%

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



Run 9: Statistics of QUIC Cubic

Start at: 2018-05-24 06:20:10

End at: 2018-05-24 06:20:40

Local clock offset: 2.247 ms

Remote clock offset: 0.924 ms

# Below is generated by plot.py at 2018-05-24 07:04:37

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.48 Mbit/s

95th percentile per-packet one-way delay: 68.657 ms

Loss rate: 1.06%

-- Flow 1:

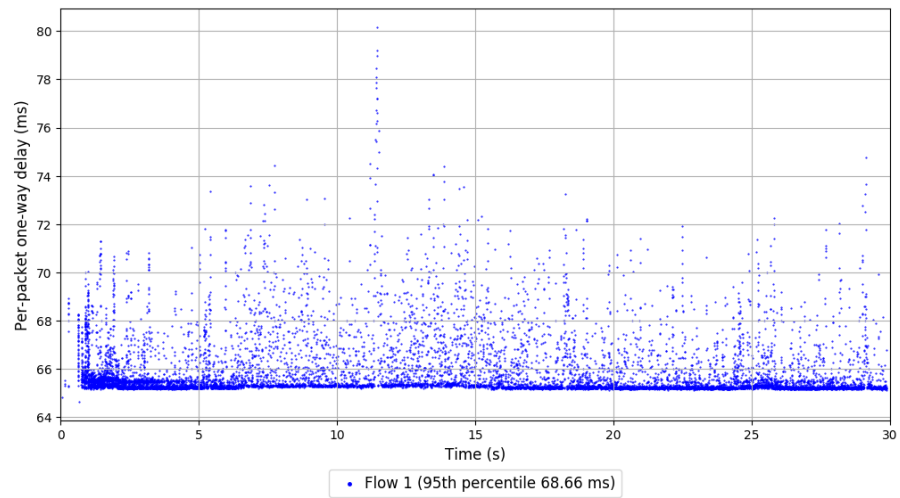
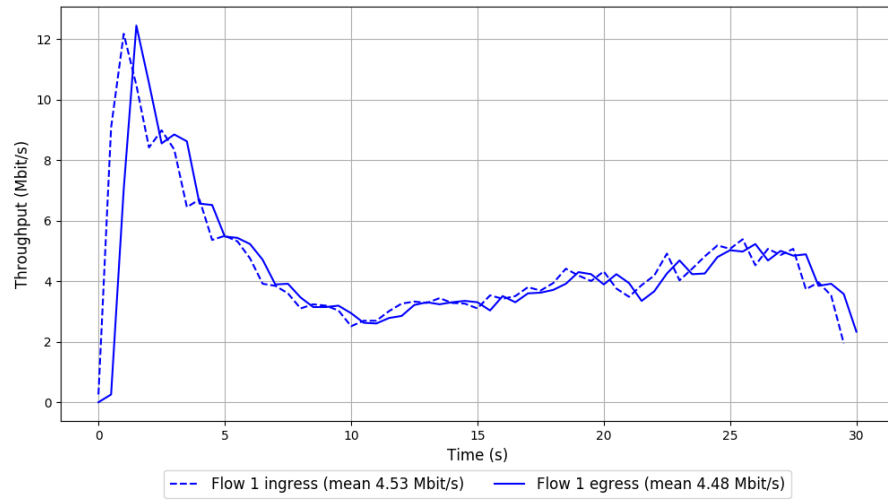
Average throughput: 4.48 Mbit/s

95th percentile per-packet one-way delay: 68.657 ms

Loss rate: 1.06%



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



Run 10: Statistics of QUIC Cubic

Start at: 2018-05-24 06:40:41

End at: 2018-05-24 06:41:11

Local clock offset: 4.122 ms

Remote clock offset: 1.491 ms

# Below is generated by plot.py at 2018-05-24 07:04:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 21.10 Mbit/s

95th percentile per-packet one-way delay: 70.591 ms

Loss rate: 1.59%

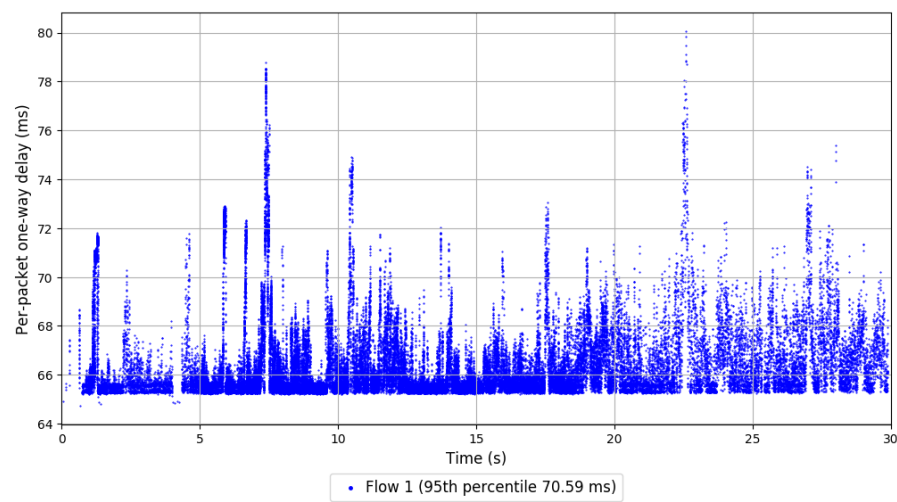
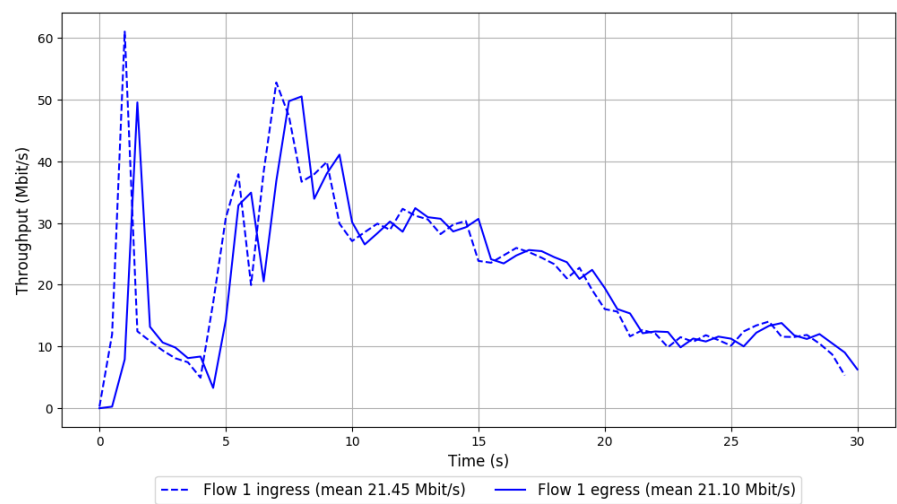
-- Flow 1:

Average throughput: 21.10 Mbit/s

95th percentile per-packet one-way delay: 70.591 ms

Loss rate: 1.59%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2018-05-24 03:42:31

End at: 2018-05-24 03:43:01

Local clock offset: 2.76 ms

Remote clock offset: 0.066 ms

# Below is generated by plot.py at 2018-05-24 07:04:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 65.379 ms

Loss rate: 0.18%

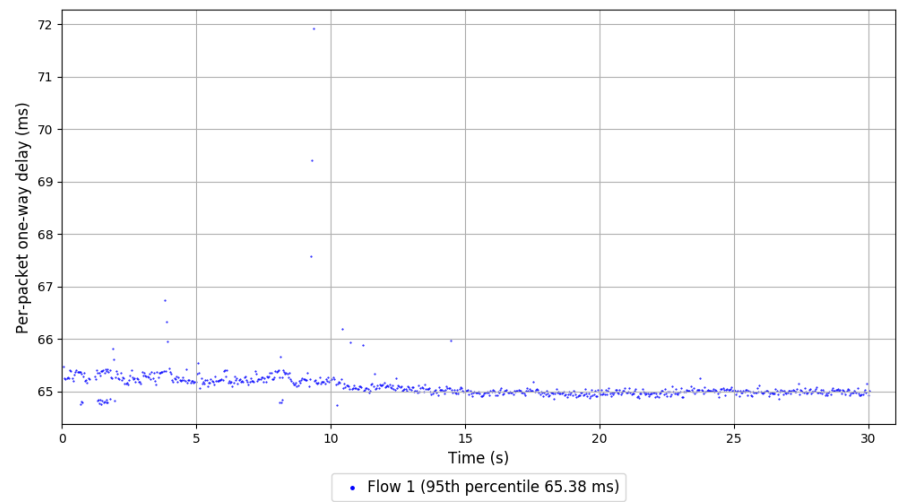
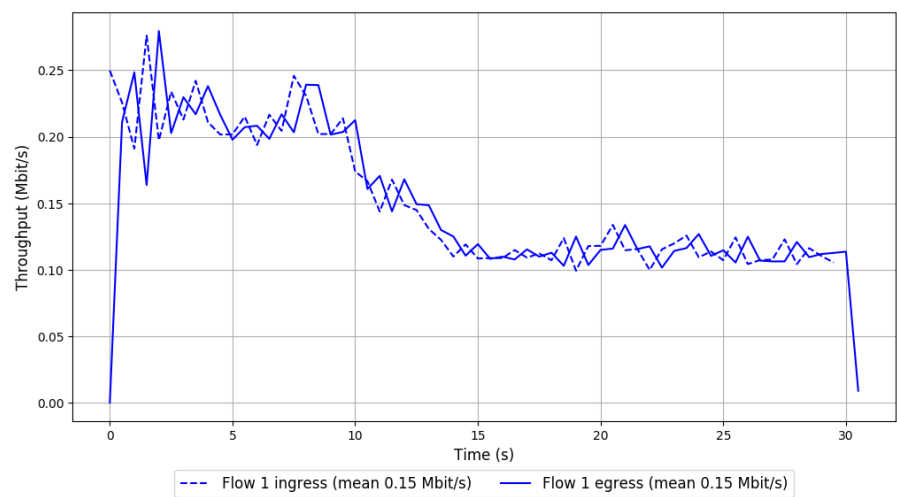
-- Flow 1:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 65.379 ms

Loss rate: 0.18%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-05-24 04:03:04

End at: 2018-05-24 04:03:34

Local clock offset: 1.409 ms

Remote clock offset: 0.199 ms

# Below is generated by plot.py at 2018-05-24 07:04:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 66.140 ms

Loss rate: 0.00%

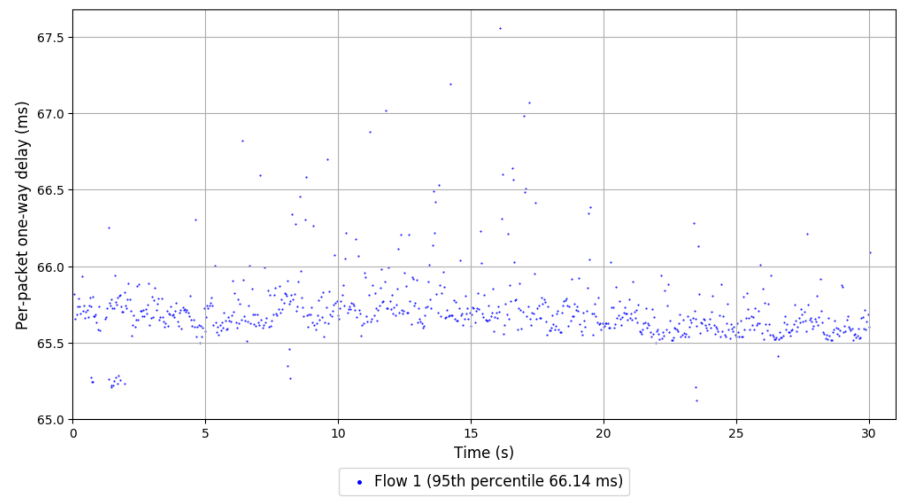
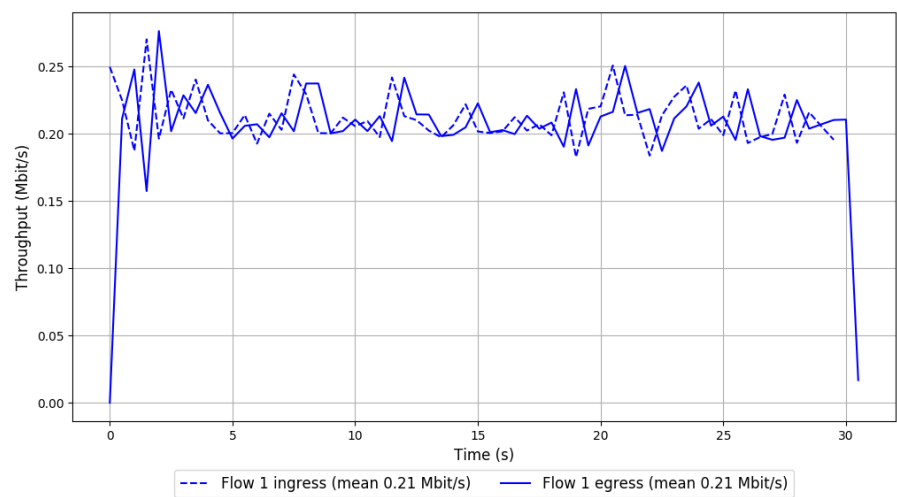
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 66.140 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-05-24 04:23:39

End at: 2018-05-24 04:24:09

Local clock offset: 0.581 ms

Remote clock offset: 0.408 ms

# Below is generated by plot.py at 2018-05-24 07:04:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 65.384 ms

Loss rate: 0.25%

-- Flow 1:

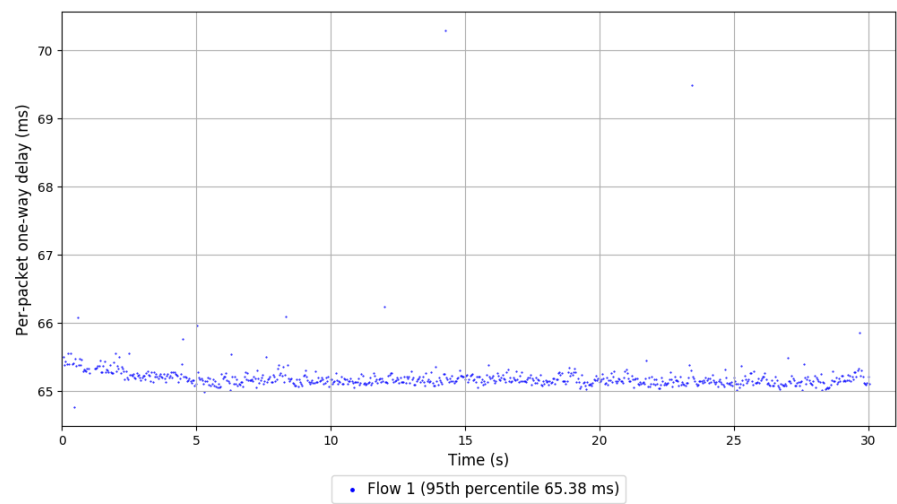
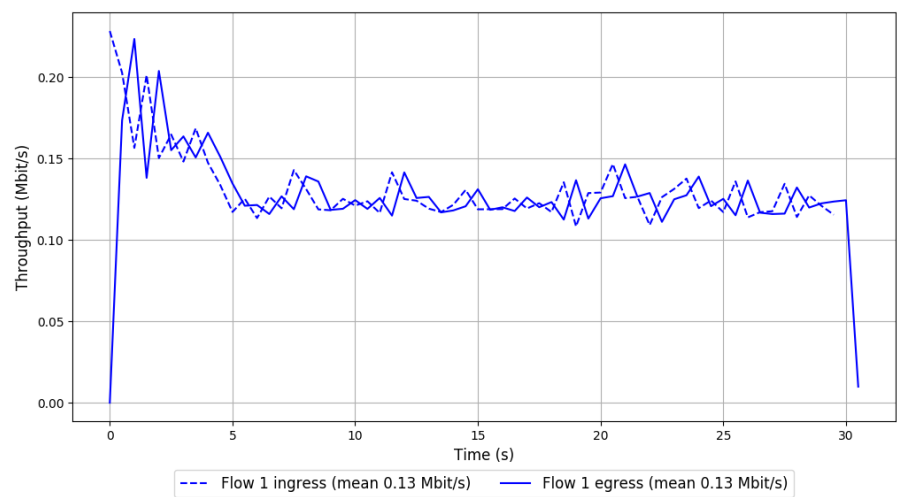
Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 65.384 ms

Loss rate: 0.25%



Run 3: Report of SReAM — Data Link

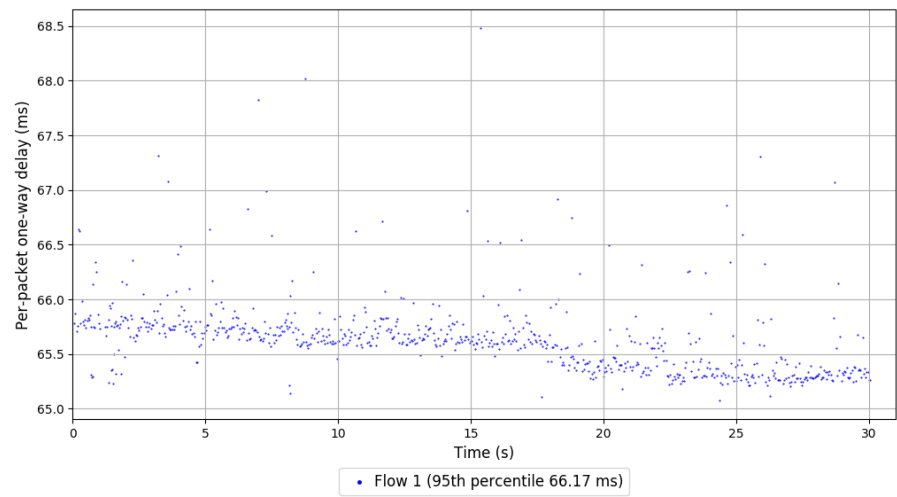
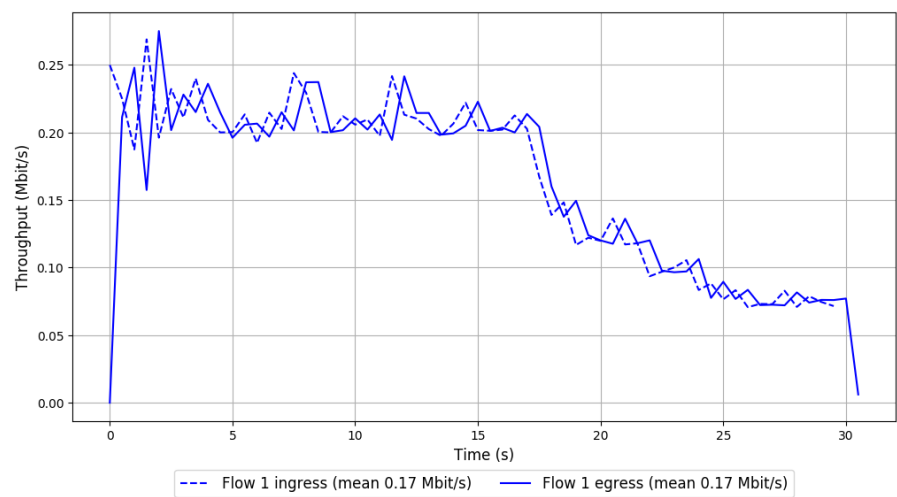


Run 4: Statistics of SCReAM

Start at: 2018-05-24 04:45:15  
End at: 2018-05-24 04:45:45  
Local clock offset: 0.528 ms  
Remote clock offset: -0.186 ms

# Below is generated by plot.py at 2018-05-24 07:04:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.17 Mbit/s  
95th percentile per-packet one-way delay: 66.166 ms  
Loss rate: 0.23%  
-- Flow 1:  
Average throughput: 0.17 Mbit/s  
95th percentile per-packet one-way delay: 66.166 ms  
Loss rate: 0.23%

Run 4: Report of SReAM — Data Link

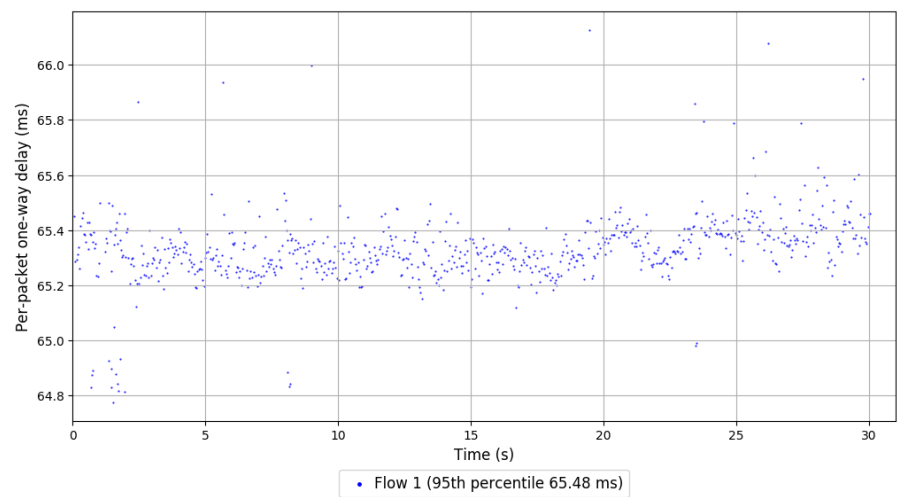
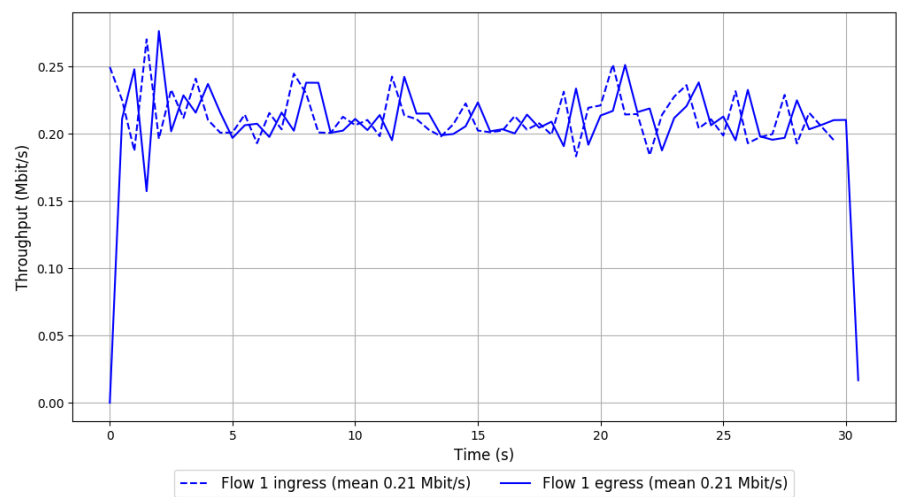


Run 5: Statistics of SCReAM

Start at: 2018-05-24 05:05:49  
End at: 2018-05-24 05:06:19  
Local clock offset: 2.478 ms  
Remote clock offset: -0.402 ms

# Below is generated by plot.py at 2018-05-24 07:04:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 65.484 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 65.484 ms  
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

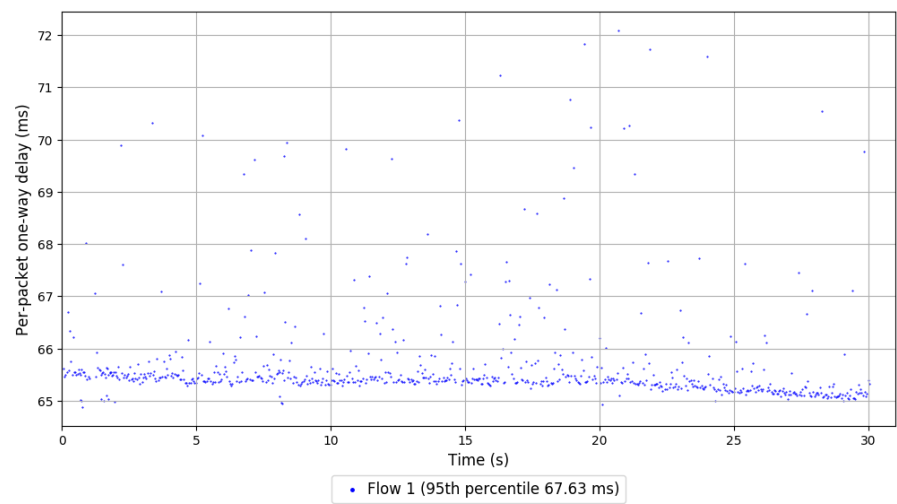
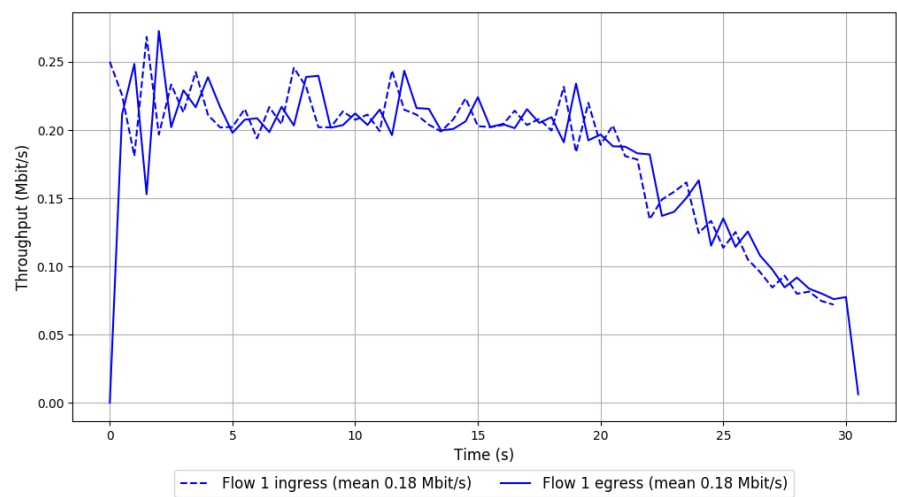


Run 6: Statistics of SCReAM

Start at: 2018-05-24 05:26:21  
End at: 2018-05-24 05:26:51  
Local clock offset: 3.547 ms  
Remote clock offset: -0.887 ms

# Below is generated by plot.py at 2018-05-24 07:04:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.18 Mbit/s  
95th percentile per-packet one-way delay: 67.632 ms  
Loss rate: 0.54%  
-- Flow 1:  
Average throughput: 0.18 Mbit/s  
95th percentile per-packet one-way delay: 67.632 ms  
Loss rate: 0.54%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-05-24 05:46:47

End at: 2018-05-24 05:47:17

Local clock offset: 4.019 ms

Remote clock offset: 0.051 ms

# Below is generated by plot.py at 2018-05-24 07:04:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 67.703 ms

Loss rate: 0.23%

-- Flow 1:

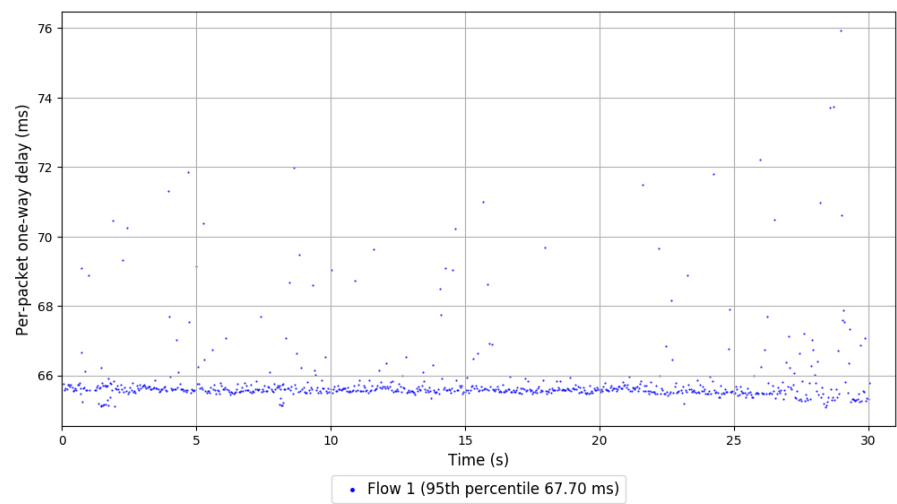
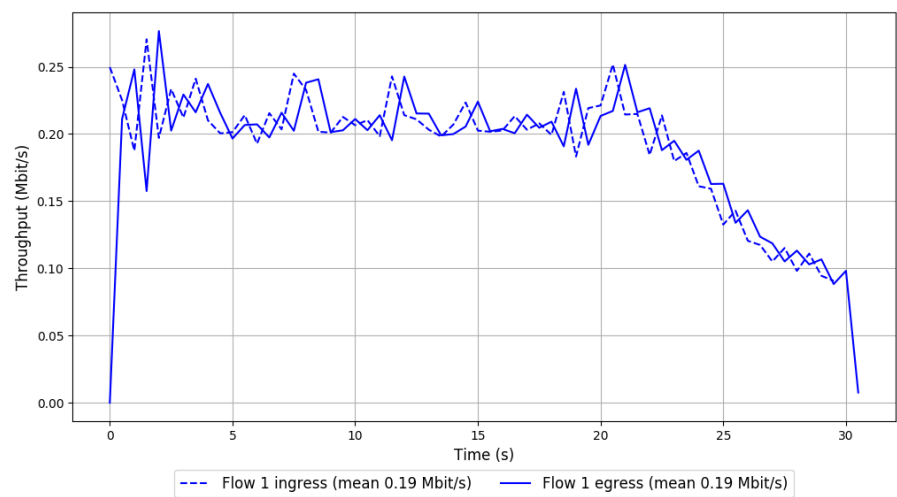
Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 67.703 ms

Loss rate: 0.23%



Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-05-24 06:07:15

End at: 2018-05-24 06:07:45

Local clock offset: 2.84 ms

Remote clock offset: 0.43 ms

# Below is generated by plot.py at 2018-05-24 07:04:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 65.787 ms

Loss rate: 0.42%

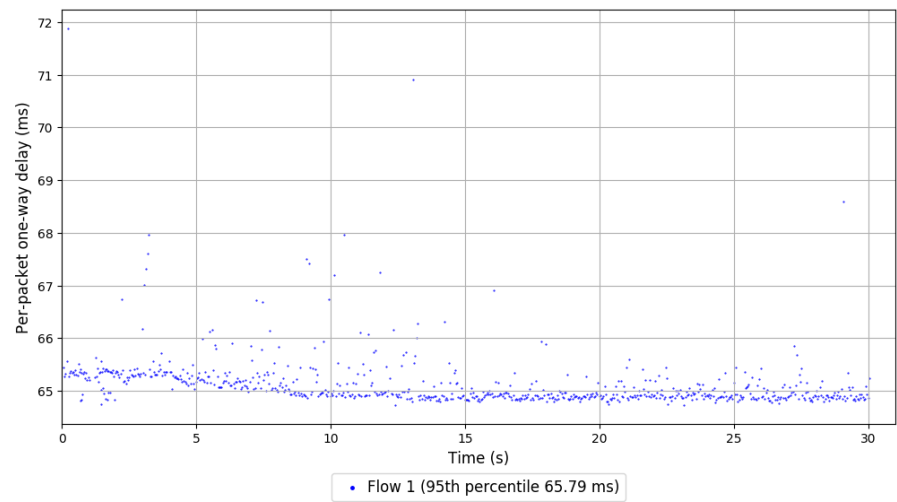
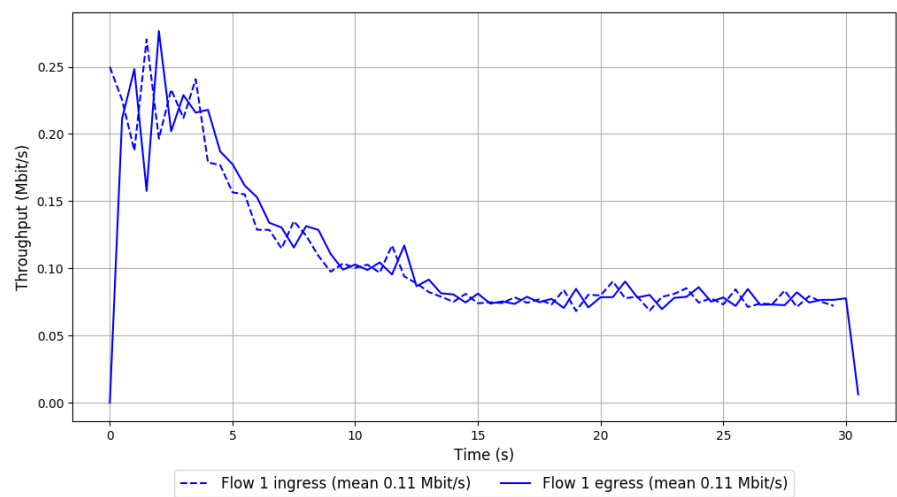
-- Flow 1:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 65.787 ms

Loss rate: 0.42%

Run 8: Report of SReAM — Data Link

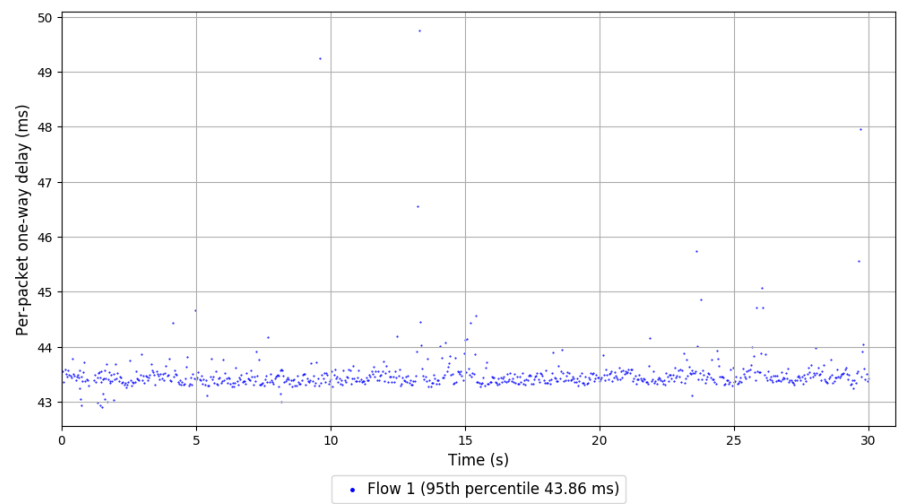
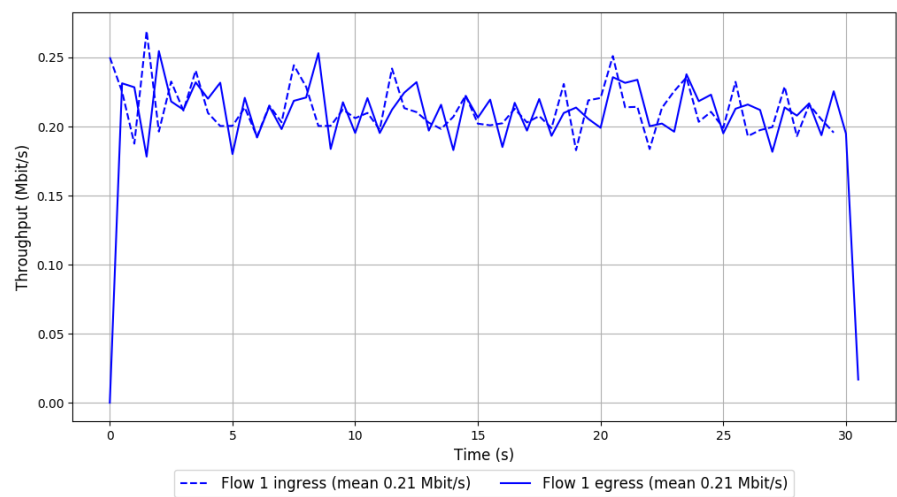


Run 9: Statistics of SCReAM

Start at: 2018-05-24 06:27:43  
End at: 2018-05-24 06:28:13  
Local clock offset: 2.625 ms  
Remote clock offset: -21.03 ms

# Below is generated by plot.py at 2018-05-24 07:04:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 43.859 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 43.859 ms  
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-05-24 06:48:15

End at: 2018-05-24 06:48:45

Local clock offset: 4.194 ms

Remote clock offset: 0.961 ms

# Below is generated by plot.py at 2018-05-24 07:04:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 65.974 ms

Loss rate: 0.24%

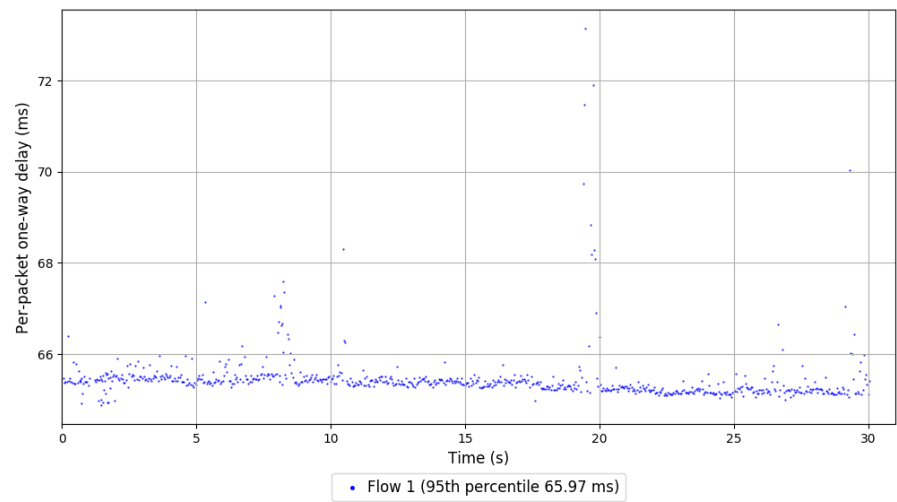
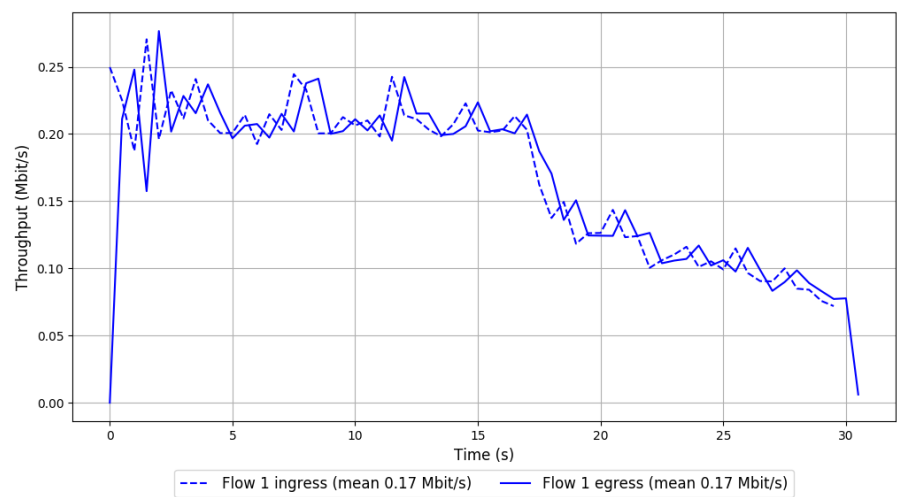
-- Flow 1:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 65.974 ms

Loss rate: 0.24%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-05-24 03:28:21

End at: 2018-05-24 03:28:51

Local clock offset: 3.665 ms

Remote clock offset: 0.42 ms

# Below is generated by plot.py at 2018-05-24 07:04:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.89 Mbit/s

95th percentile per-packet one-way delay: 70.685 ms

Loss rate: 1.80%

-- Flow 1:

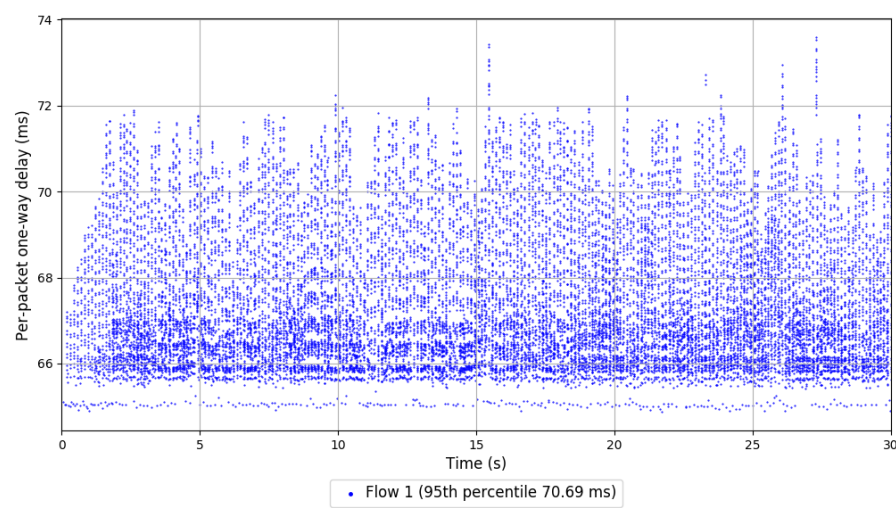
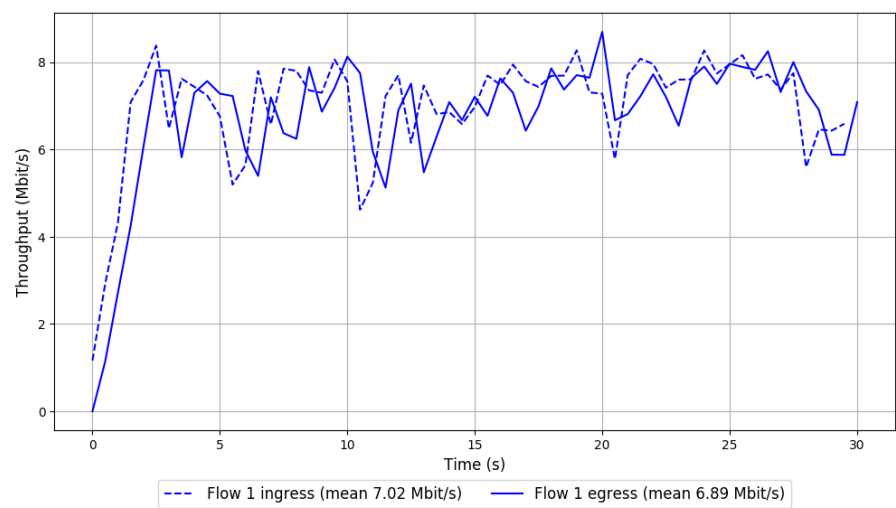
Average throughput: 6.89 Mbit/s

95th percentile per-packet one-way delay: 70.685 ms

Loss rate: 1.80%



Run 1: Report of Sprout — Data Link

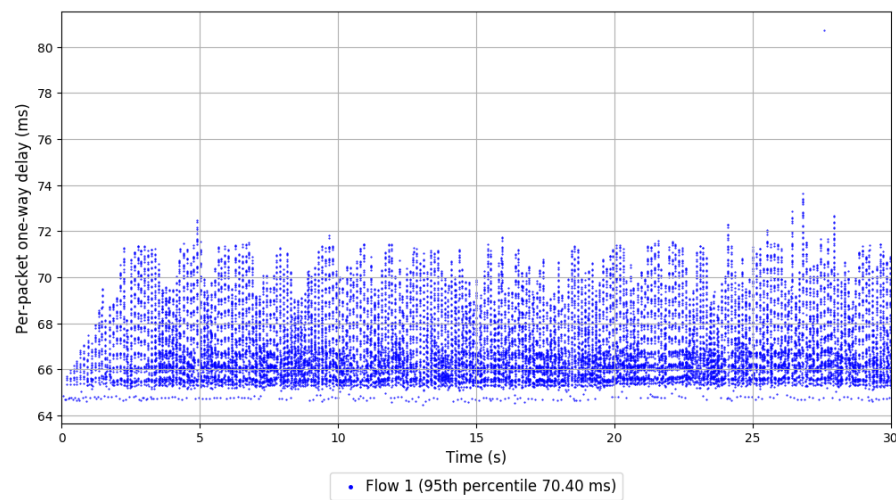
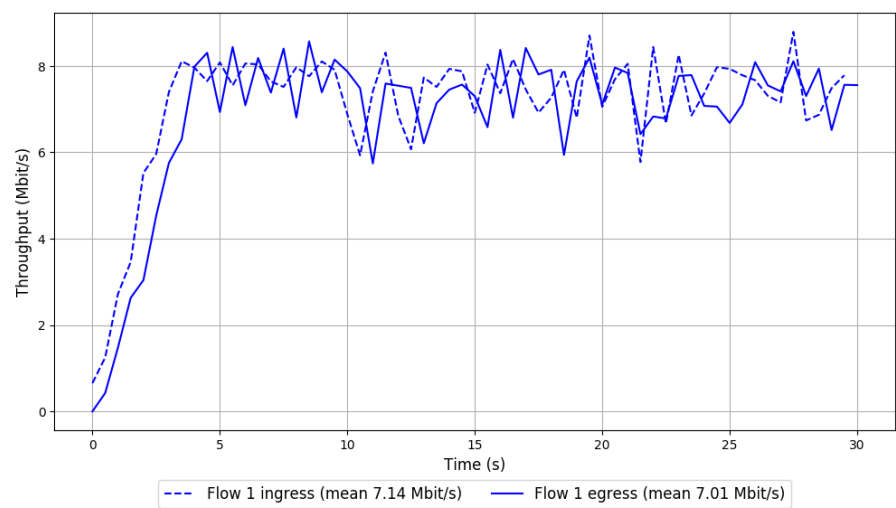


Run 2: Statistics of Sprout

Start at: 2018-05-24 03:48:53  
End at: 2018-05-24 03:49:23  
Local clock offset: 2.588 ms  
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2018-05-24 07:04:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 7.01 Mbit/s  
95th percentile per-packet one-way delay: 70.398 ms  
Loss rate: 1.80%  
-- Flow 1:  
Average throughput: 7.01 Mbit/s  
95th percentile per-packet one-way delay: 70.398 ms  
Loss rate: 1.80%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-05-24 04:09:28

End at: 2018-05-24 04:09:58

Local clock offset: 1.245 ms

Remote clock offset: 0.326 ms

# Below is generated by plot.py at 2018-05-24 07:04:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.99 Mbit/s

95th percentile per-packet one-way delay: 70.342 ms

Loss rate: 1.76%

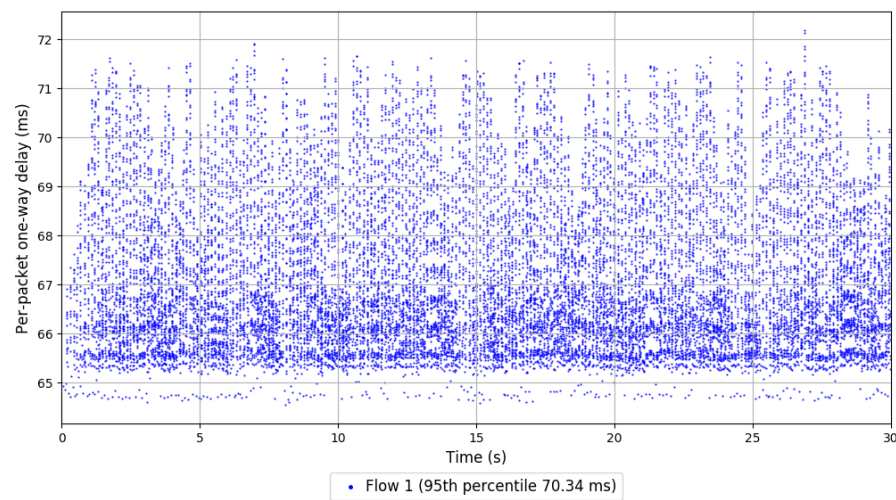
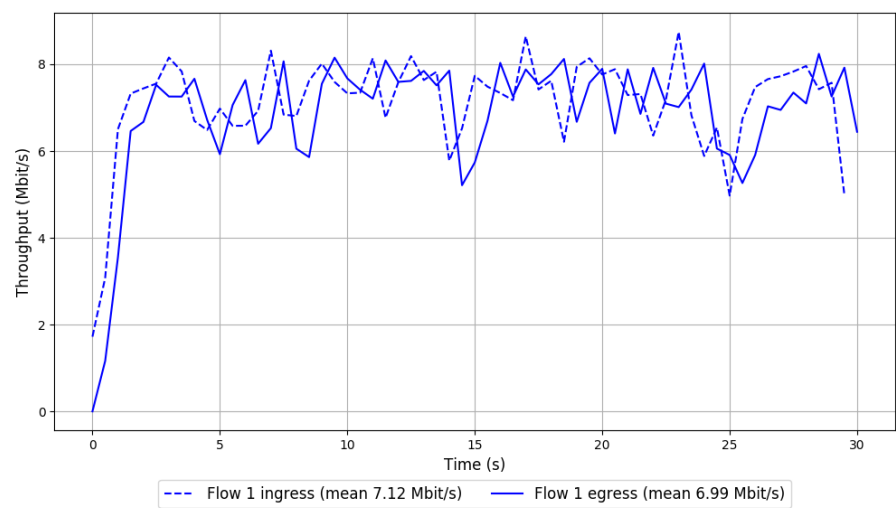
-- Flow 1:

Average throughput: 6.99 Mbit/s

95th percentile per-packet one-way delay: 70.342 ms

Loss rate: 1.76%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-05-24 04:30:33

End at: 2018-05-24 04:31:03

Local clock offset: 0.468 ms

Remote clock offset: 0.241 ms

# Below is generated by plot.py at 2018-05-24 07:04:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 7.09 Mbit/s

95th percentile per-packet one-way delay: 70.933 ms

Loss rate: 2.23%

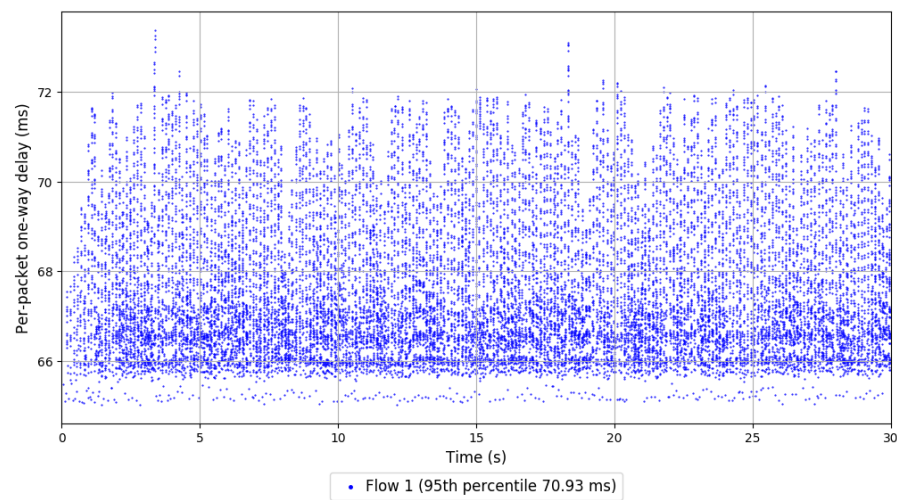
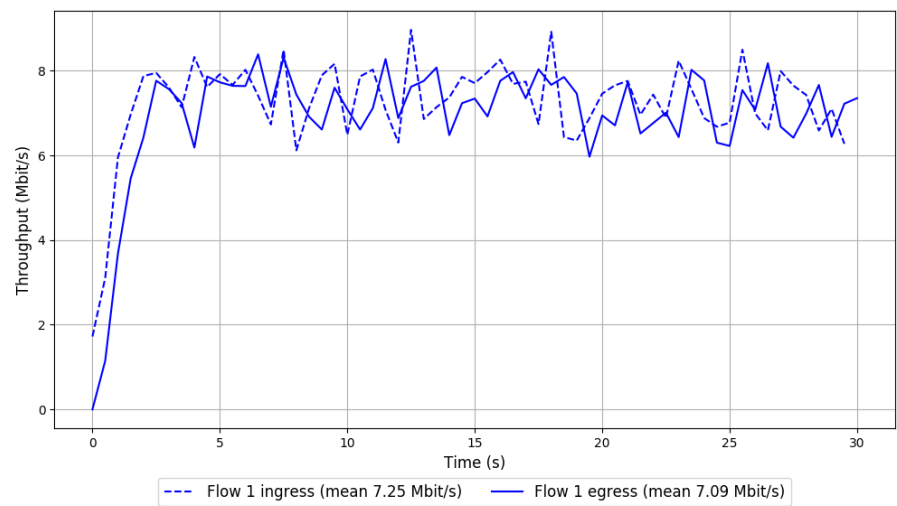
-- Flow 1:

Average throughput: 7.09 Mbit/s

95th percentile per-packet one-way delay: 70.933 ms

Loss rate: 2.23%

Run 4: Report of Sprout — Data Link



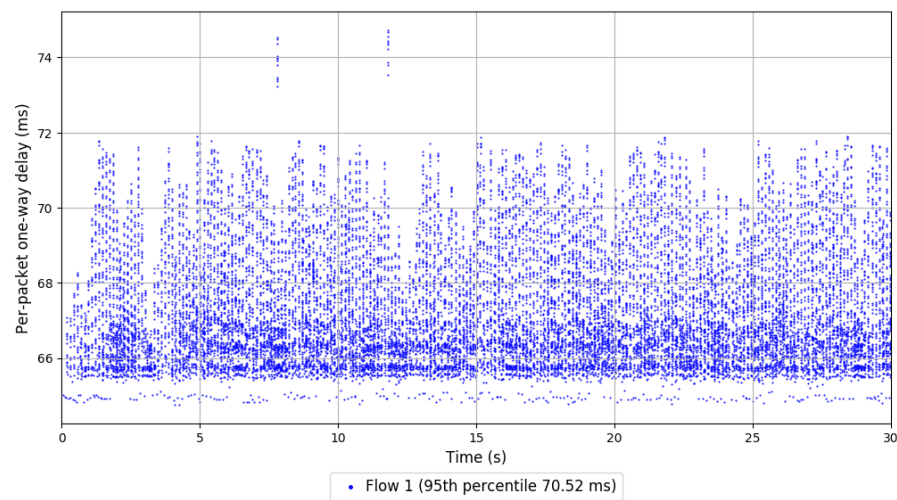
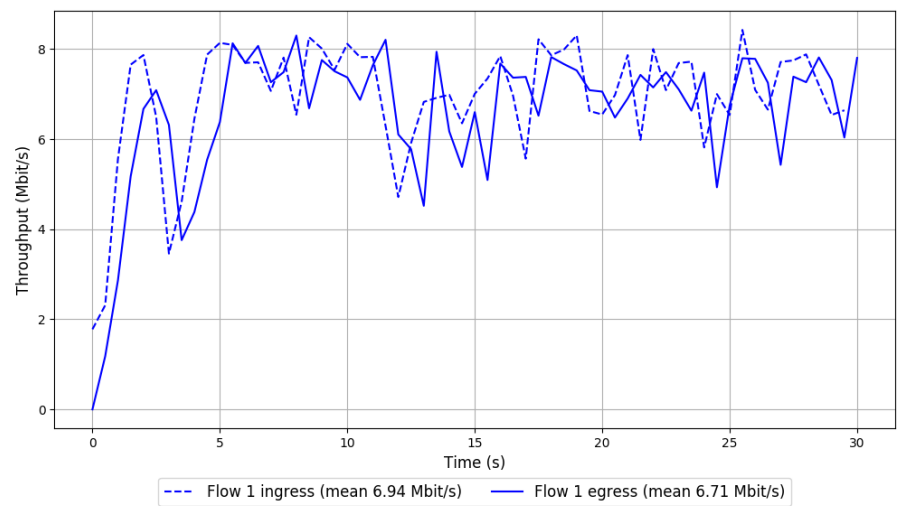
Run 5: Statistics of Sprout

Start at: 2018-05-24 04:51:41  
End at: 2018-05-24 04:52:11  
Local clock offset: 0.437 ms  
Remote clock offset: -0.298 ms

# Below is generated by plot.py at 2018-05-24 07:04:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 6.71 Mbit/s  
95th percentile per-packet one-way delay: 70.520 ms  
Loss rate: 3.20%  
-- Flow 1:  
Average throughput: 6.71 Mbit/s  
95th percentile per-packet one-way delay: 70.520 ms  
Loss rate: 3.20%



Run 5: Report of Sprout — Data Link

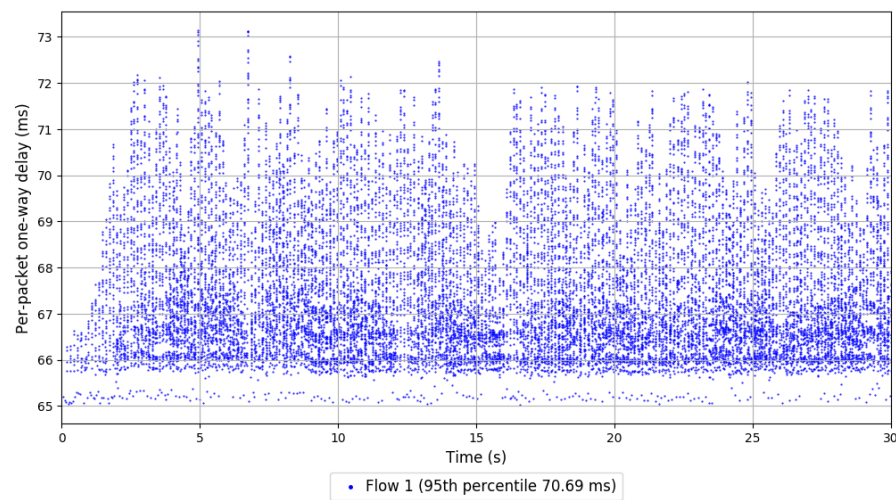
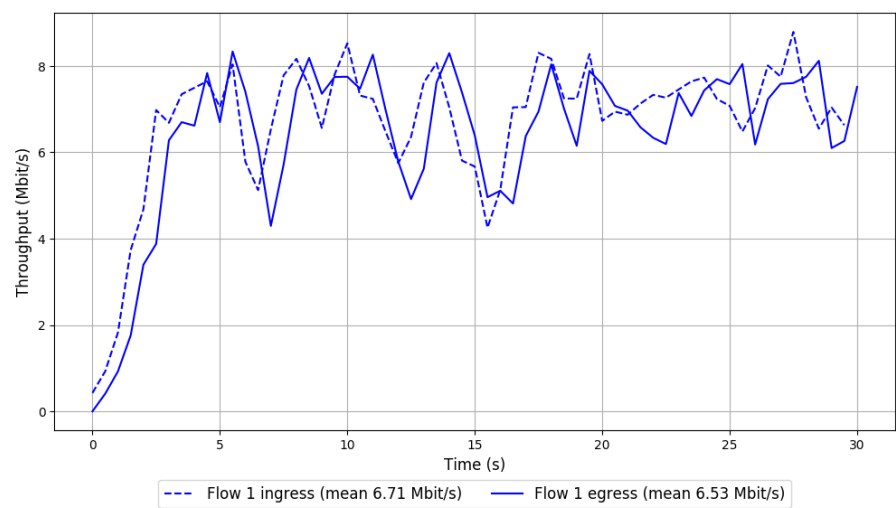


Run 6: Statistics of Sprout

Start at: 2018-05-24 05:12:12  
End at: 2018-05-24 05:12:42  
Local clock offset: 2.933 ms  
Remote clock offset: -0.637 ms

# Below is generated by plot.py at 2018-05-24 07:04:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 6.53 Mbit/s  
95th percentile per-packet one-way delay: 70.686 ms  
Loss rate: 2.66%  
-- Flow 1:  
Average throughput: 6.53 Mbit/s  
95th percentile per-packet one-way delay: 70.686 ms  
Loss rate: 2.66%

Run 6: Report of Sprout — Data Link

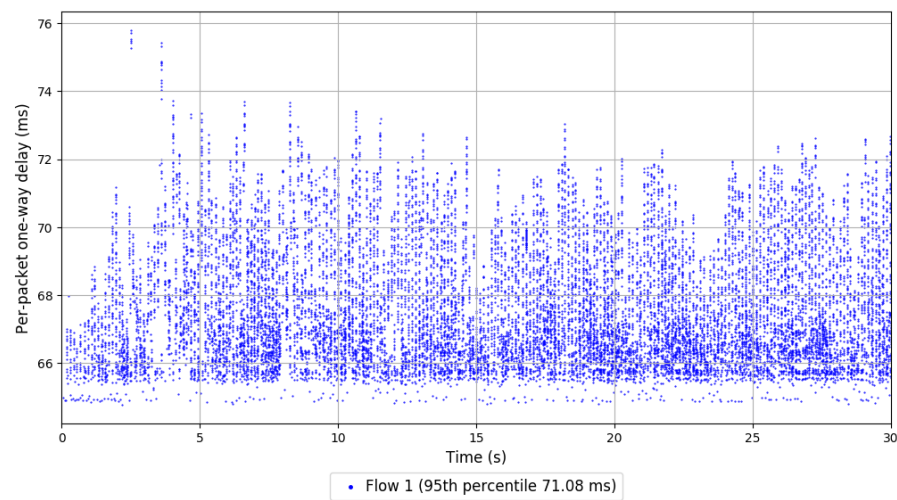
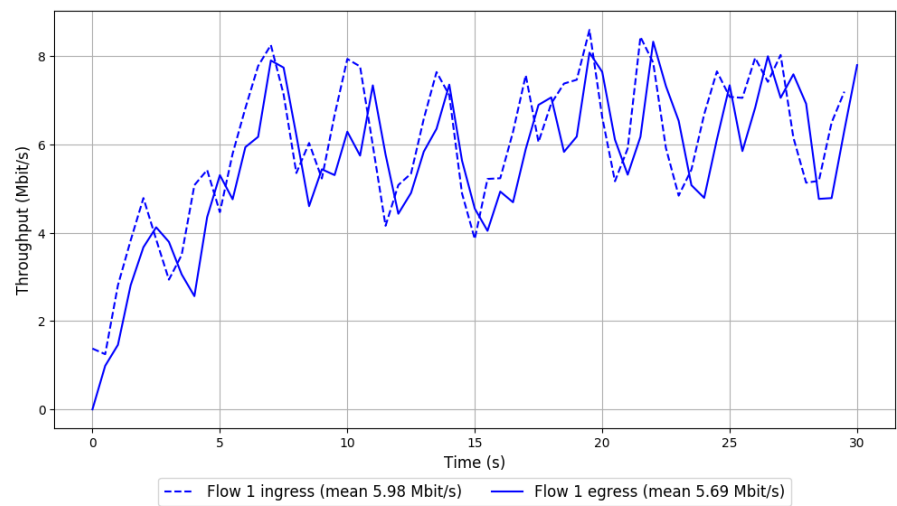


Run 7: Statistics of Sprout

Start at: 2018-05-24 05:32:40  
End at: 2018-05-24 05:33:10  
Local clock offset: 3.819 ms  
Remote clock offset: -0.591 ms

# Below is generated by plot.py at 2018-05-24 07:04:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 5.69 Mbit/s  
95th percentile per-packet one-way delay: 71.084 ms  
Loss rate: 4.74%  
-- Flow 1:  
Average throughput: 5.69 Mbit/s  
95th percentile per-packet one-way delay: 71.084 ms  
Loss rate: 4.74%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-05-24 05:53:09

End at: 2018-05-24 05:53:39

Local clock offset: 4.137 ms

Remote clock offset: 0.287 ms

# Below is generated by plot.py at 2018-05-24 07:04:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.22 Mbit/s

95th percentile per-packet one-way delay: 70.832 ms

Loss rate: 3.69%

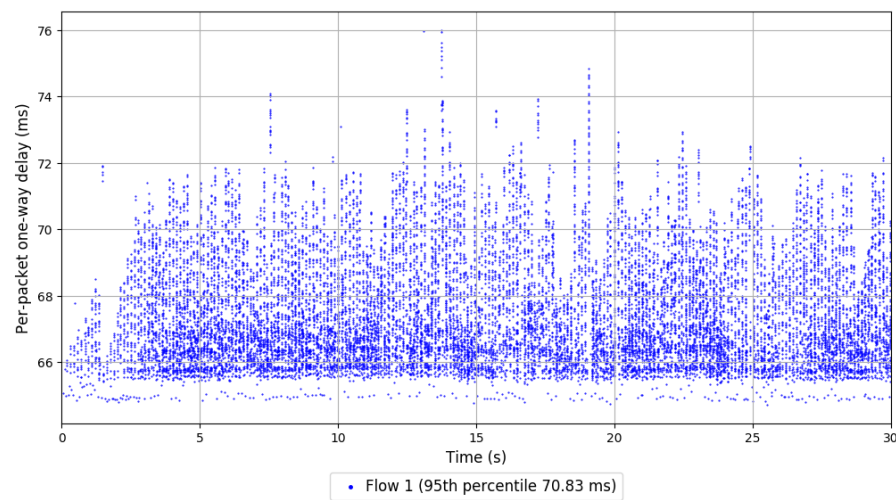
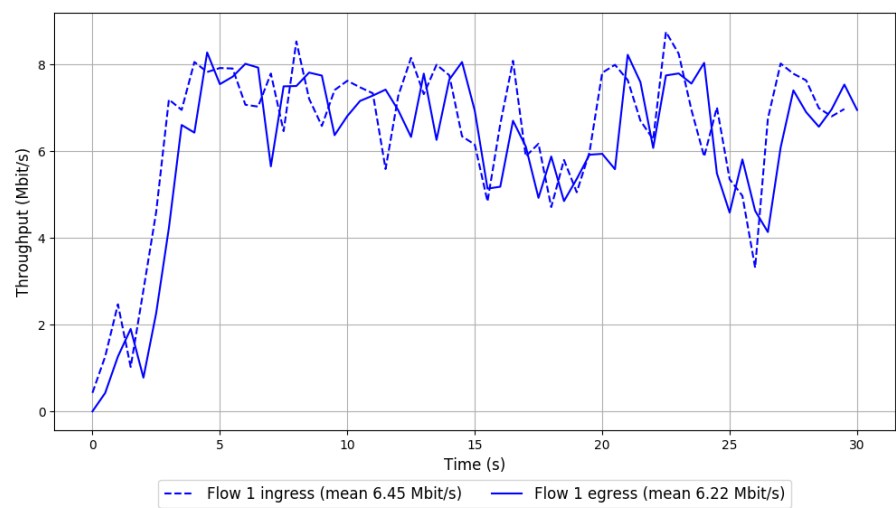
-- Flow 1:

Average throughput: 6.22 Mbit/s

95th percentile per-packet one-way delay: 70.832 ms

Loss rate: 3.69%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-05-24 06:13:39

End at: 2018-05-24 06:14:09

Local clock offset: 2.53 ms

Remote clock offset: 0.612 ms

# Below is generated by plot.py at 2018-05-24 07:04:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.09 Mbit/s

95th percentile per-packet one-way delay: 71.007 ms

Loss rate: 4.56%

-- Flow 1:

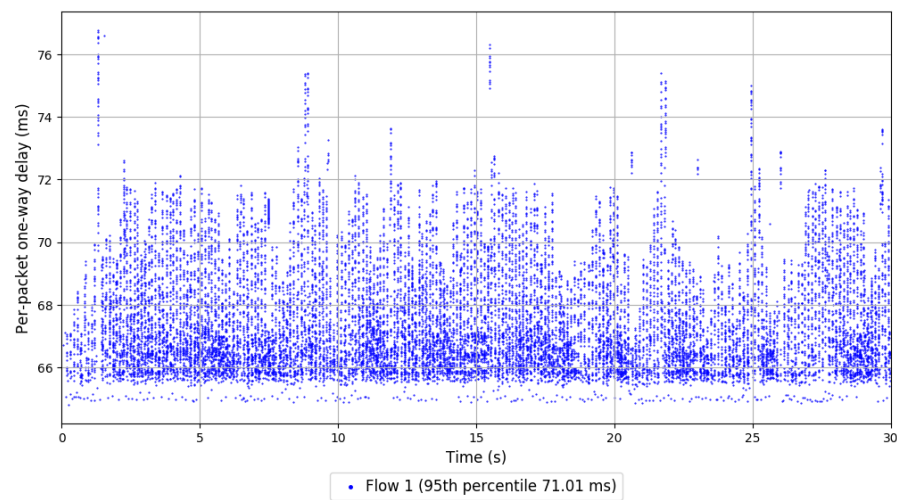
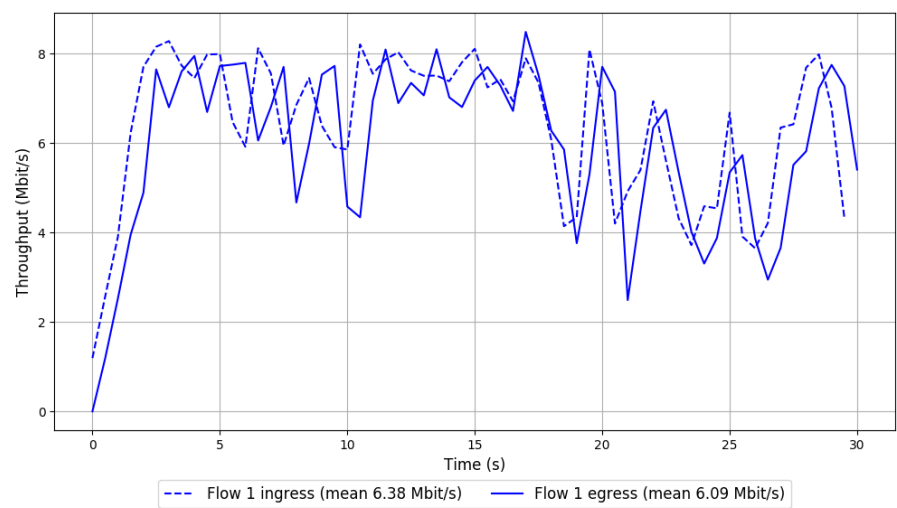
Average throughput: 6.09 Mbit/s

95th percentile per-packet one-way delay: 71.007 ms

Loss rate: 4.56%



Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-05-24 06:34:08

End at: 2018-05-24 06:34:38

Local clock offset: 3.618 ms

Remote clock offset: 1.361 ms

# Below is generated by plot.py at 2018-05-24 07:04:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.44 Mbit/s

95th percentile per-packet one-way delay: 70.624 ms

Loss rate: 3.63%

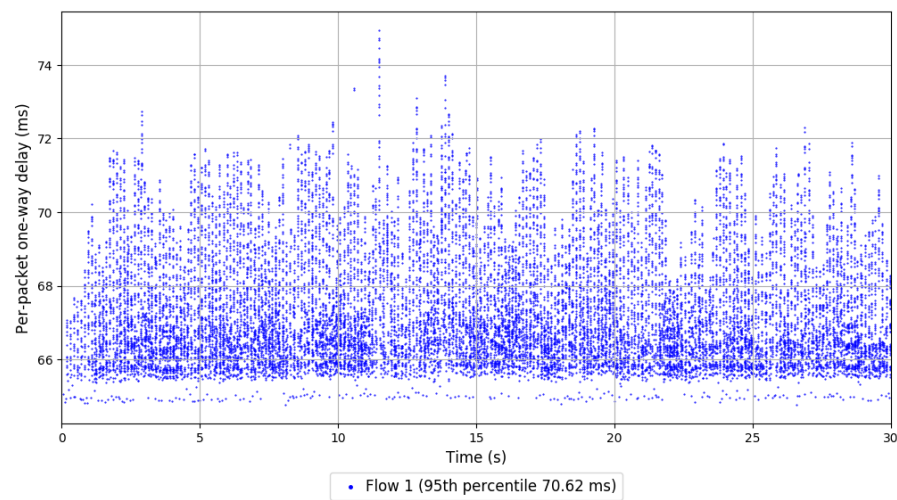
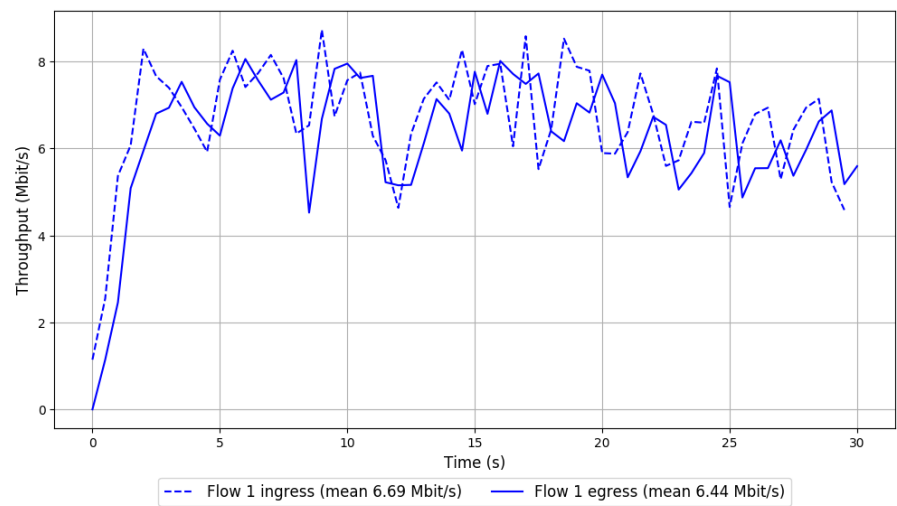
-- Flow 1:

Average throughput: 6.44 Mbit/s

95th percentile per-packet one-way delay: 70.624 ms

Loss rate: 3.63%

Run 10: Report of Sprout — Data Link

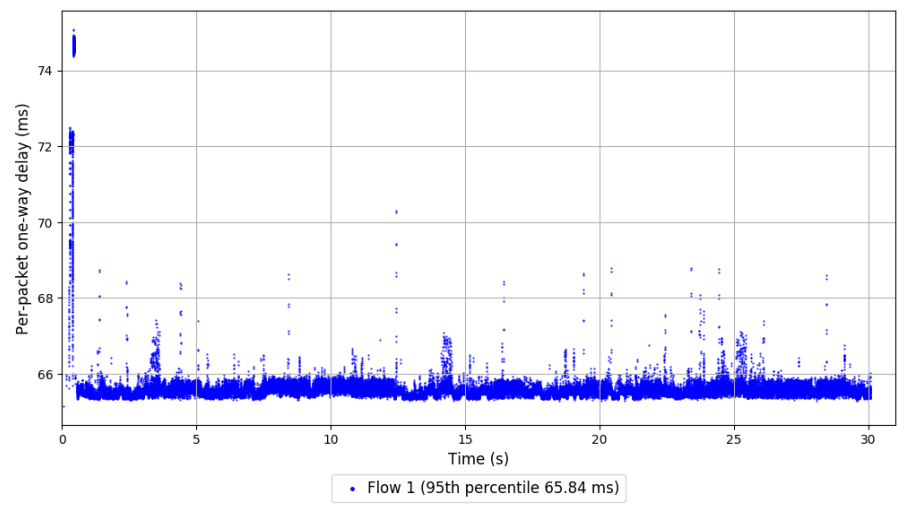
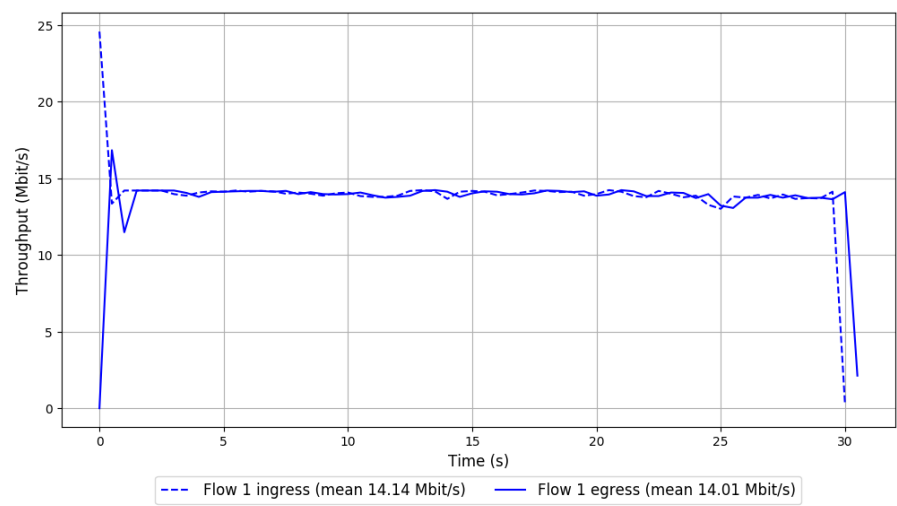


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-05-24 03:47:36
End at: 2018-05-24 03:48:06
Local clock offset: 2.376 ms
Remote clock offset: -0.006 ms

# Below is generated by plot.py at 2018-05-24 07:04:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.01 Mbit/s
95th percentile per-packet one-way delay: 65.838 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 14.01 Mbit/s
95th percentile per-packet one-way delay: 65.838 ms
Loss rate: 0.91%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-05-24 04:08:08

End at: 2018-05-24 04:08:38

Local clock offset: 1.187 ms

Remote clock offset: 0.233 ms

# Below is generated by plot.py at 2018-05-24 07:06:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 69.60 Mbit/s

95th percentile per-packet one-way delay: 80.164 ms

Loss rate: 2.38%

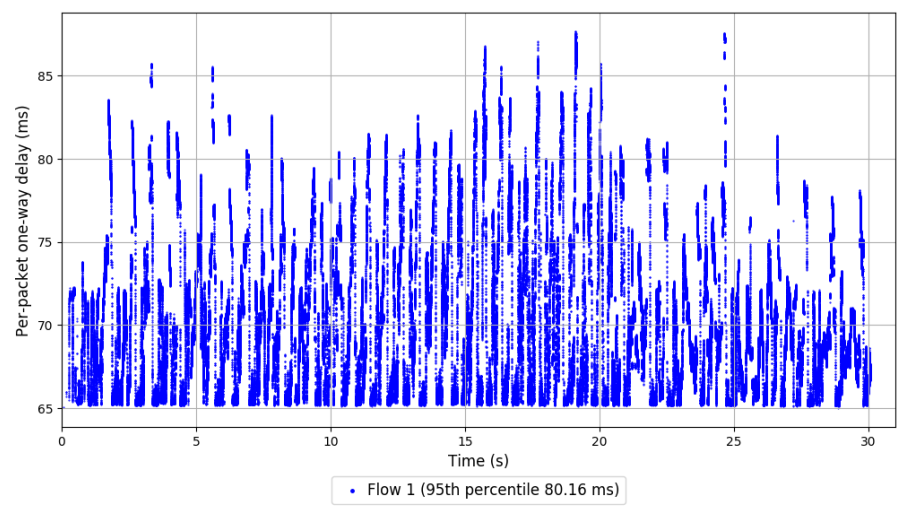
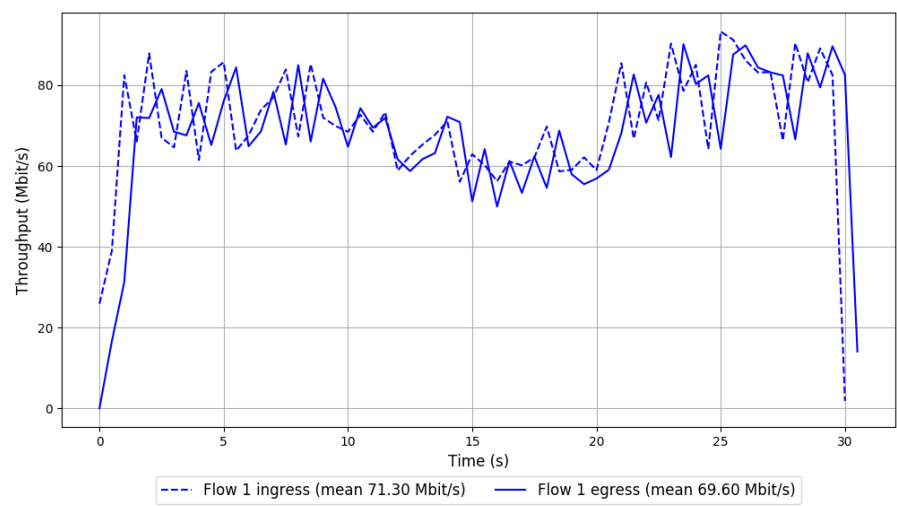
-- Flow 1:

Average throughput: 69.60 Mbit/s

95th percentile per-packet one-way delay: 80.164 ms

Loss rate: 2.38%

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



Run 3: Statistics of TaoVA-100x

/home/ubuntu/pantheon/data/2018-05-24T03-27-AWS-Korea-to-China-10-runs/taova\_stats\_run3.log



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

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Figure is missing

Run 4: Statistics of TaoVA-100x

Start at: 2018-05-24 04:50:20

End at: 2018-05-24 04:50:50

Local clock offset: 0.477 ms

Remote clock offset: -0.296 ms

# Below is generated by plot.py at 2018-05-24 07:06:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 68.43 Mbit/s

95th percentile per-packet one-way delay: 77.792 ms

Loss rate: 2.47%

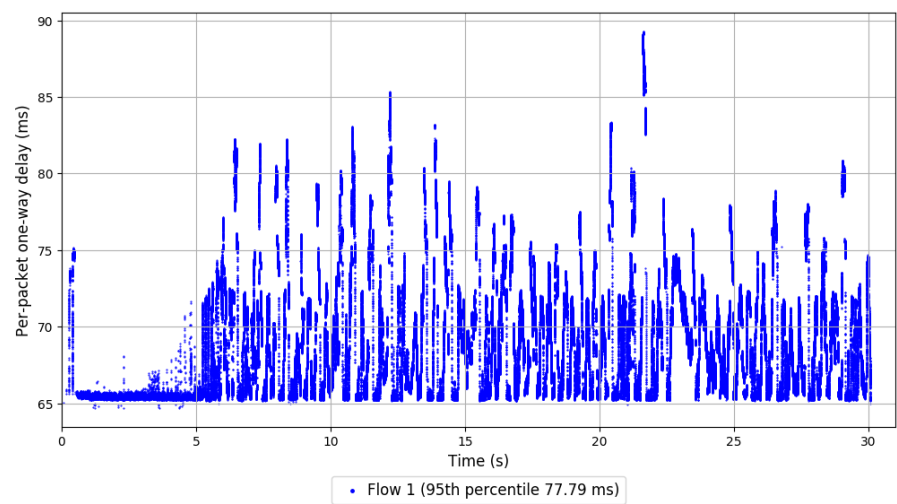
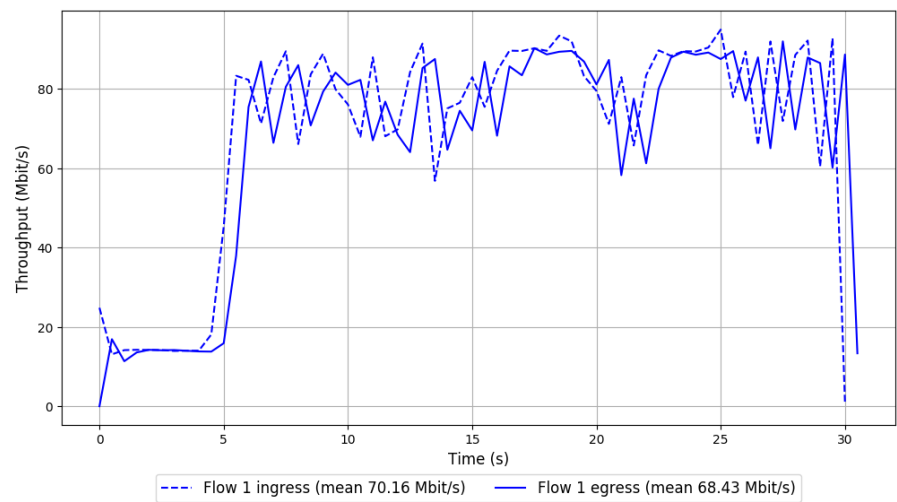
-- Flow 1:

Average throughput: 68.43 Mbit/s

95th percentile per-packet one-way delay: 77.792 ms

Loss rate: 2.47%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-05-24 05:10:52

End at: 2018-05-24 05:11:22

Local clock offset: 2.833 ms

Remote clock offset: -0.552 ms

# Below is generated by plot.py at 2018-05-24 07:06:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 74.50 Mbit/s

95th percentile per-packet one-way delay: 79.174 ms

Loss rate: 2.77%

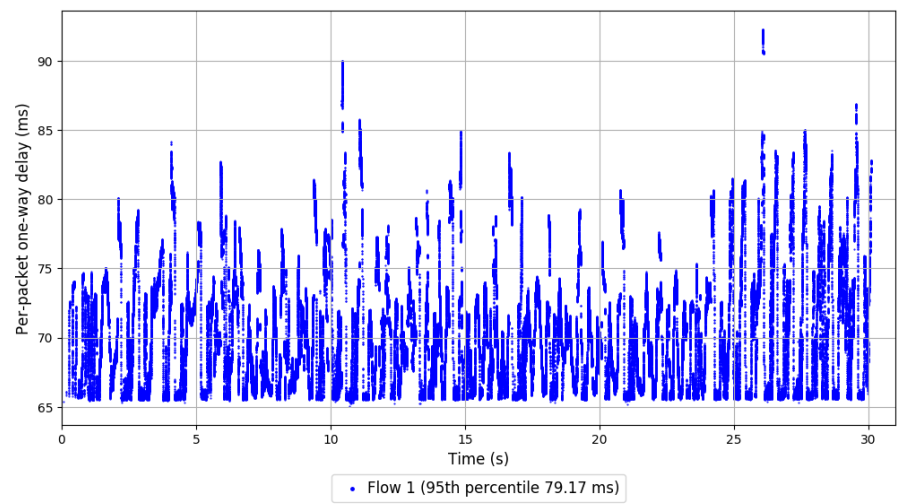
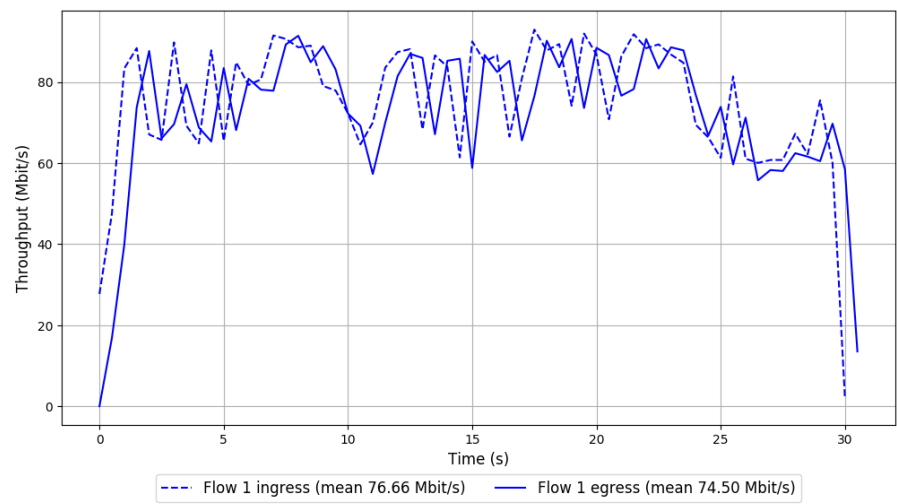
-- Flow 1:

Average throughput: 74.50 Mbit/s

95th percentile per-packet one-way delay: 79.174 ms

Loss rate: 2.77%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-05-24 05:31:24

End at: 2018-05-24 05:31:54

Local clock offset: 3.773 ms

Remote clock offset: -0.677 ms

# Below is generated by plot.py at 2018-05-24 07:06:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 13.91 Mbit/s

95th percentile per-packet one-way delay: 65.976 ms

Loss rate: 1.60%

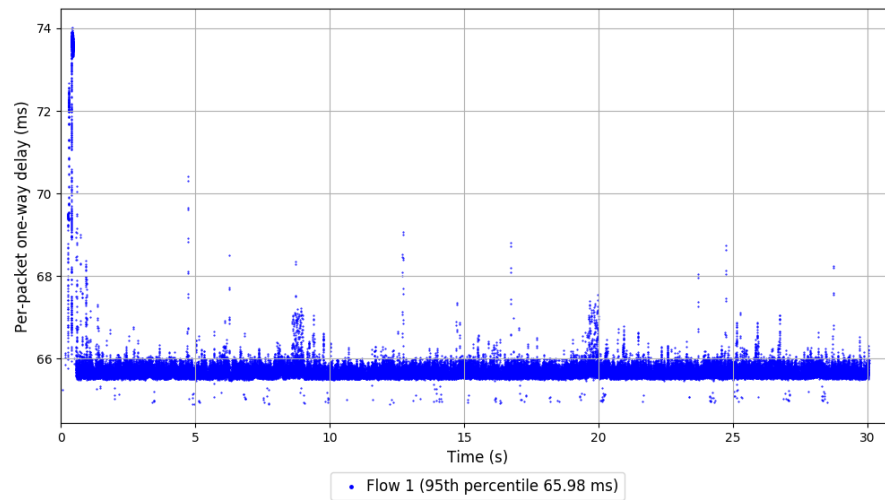
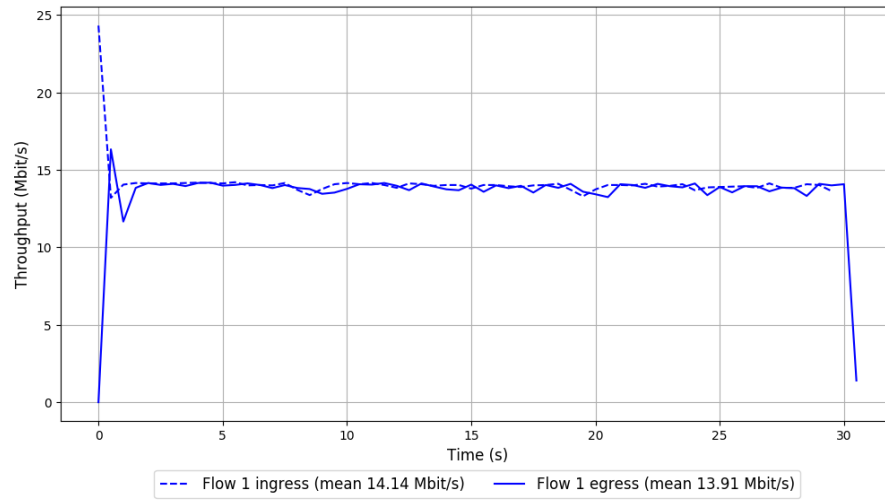
-- Flow 1:

Average throughput: 13.91 Mbit/s

95th percentile per-packet one-way delay: 65.976 ms

Loss rate: 1.60%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-05-24 05:51:49

End at: 2018-05-24 05:52:19

Local clock offset: 4.001 ms

Remote clock offset: 0.124 ms

# Below is generated by plot.py at 2018-05-24 07:06:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 61.23 Mbit/s

95th percentile per-packet one-way delay: 80.888 ms

Loss rate: 4.67%

-- Flow 1:

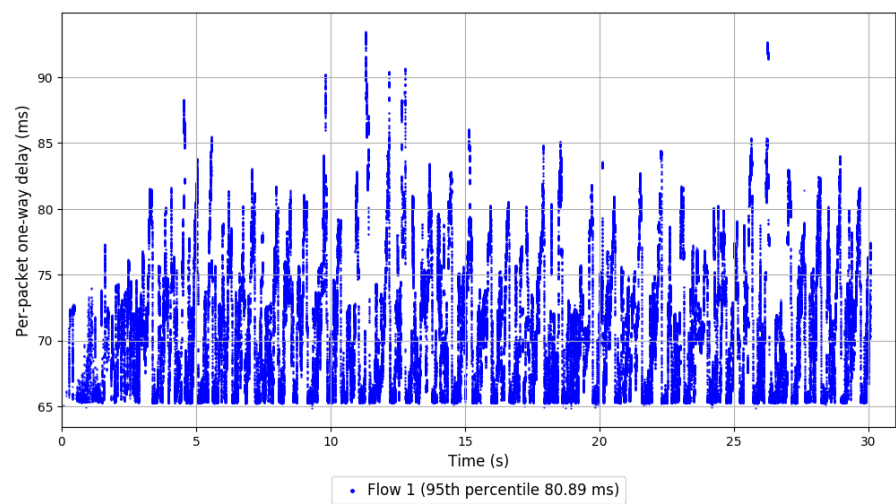
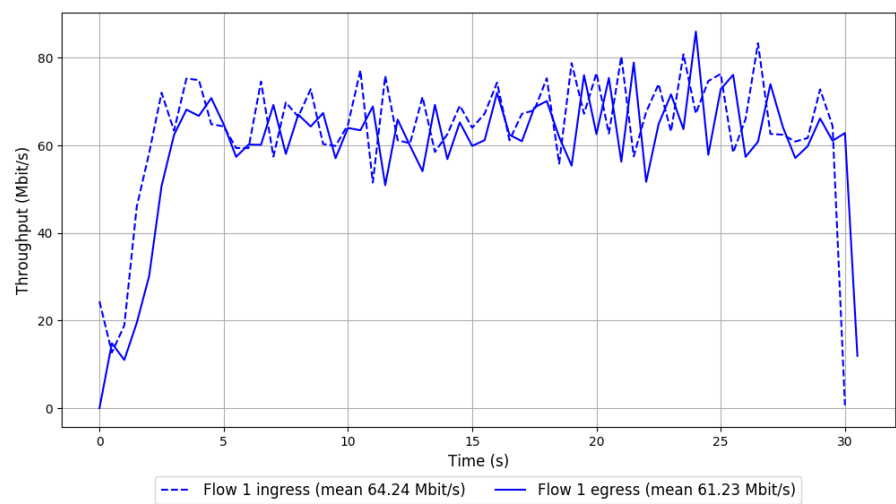
Average throughput: 61.23 Mbit/s

95th percentile per-packet one-way delay: 80.888 ms

Loss rate: 4.67%



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



Run 8: Statistics of TaoVA-100x

Start at: 2018-05-24 06:12:19

End at: 2018-05-24 06:12:49

Local clock offset: 2.699 ms

Remote clock offset: 0.648 ms

# Below is generated by plot.py at 2018-05-24 07:06:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 60.56 Mbit/s

95th percentile per-packet one-way delay: 81.994 ms

Loss rate: 5.34%

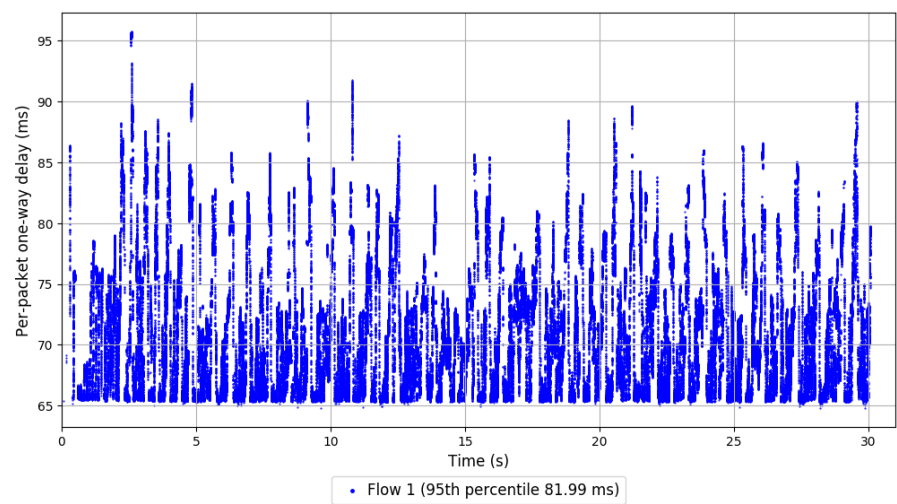
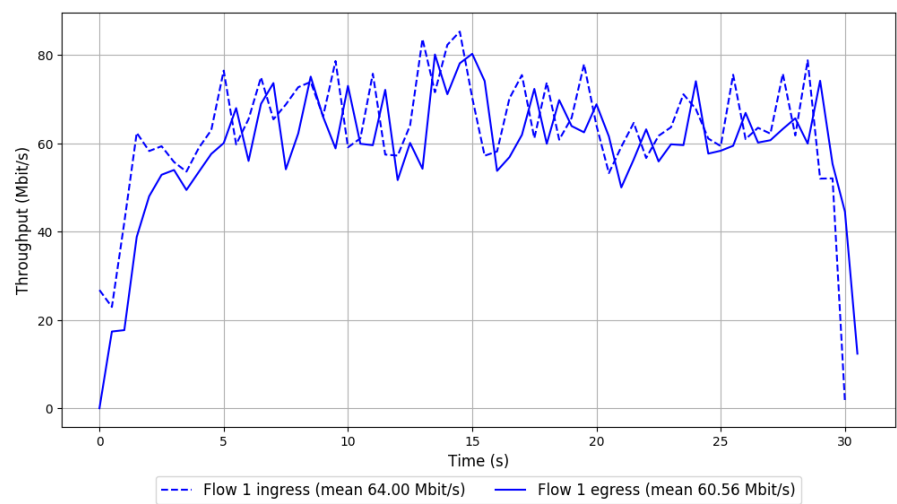
-- Flow 1:

Average throughput: 60.56 Mbit/s

95th percentile per-packet one-way delay: 81.994 ms

Loss rate: 5.34%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-05-24 06:32:47

End at: 2018-05-24 06:33:17

Local clock offset: 3.223 ms

Remote clock offset: 1.381 ms

# Below is generated by plot.py at 2018-05-24 07:06:37

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.92 Mbit/s

95th percentile per-packet one-way delay: 79.665 ms

Loss rate: 2.67%

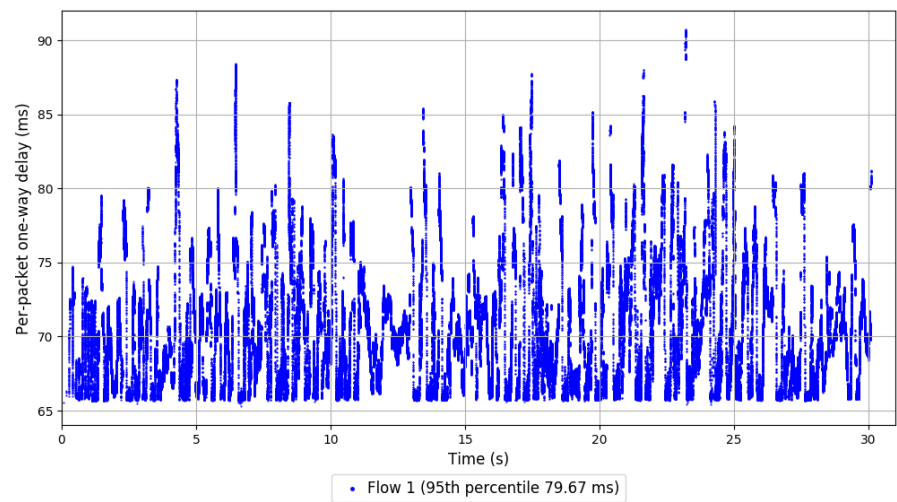
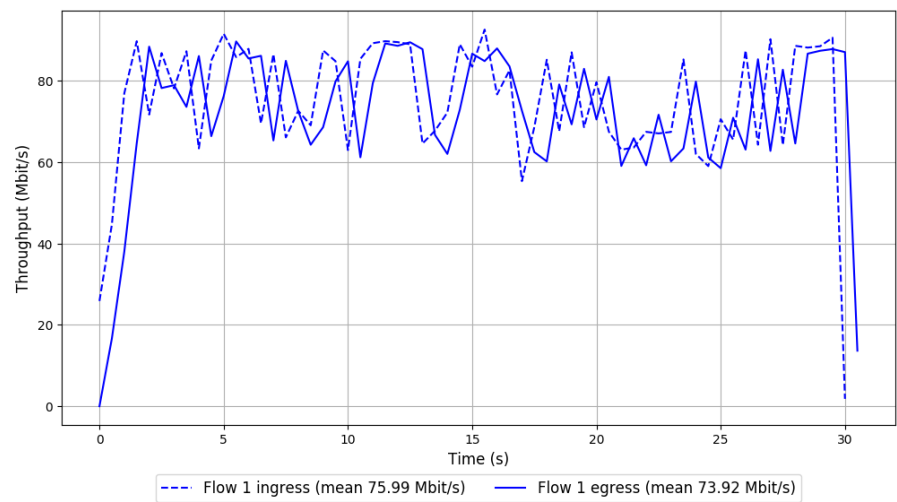
-- Flow 1:

Average throughput: 73.92 Mbit/s

95th percentile per-packet one-way delay: 79.665 ms

Loss rate: 2.67%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-05-24 06:53:20

End at: 2018-05-24 06:53:50

Local clock offset: 4.466 ms

Remote clock offset: 0.739 ms

# Below is generated by plot.py at 2018-05-24 07:06:50

# Datalink statistics

-- Total of 1 flow:

Average throughput: 69.29 Mbit/s

95th percentile per-packet one-way delay: 79.918 ms

Loss rate: 2.89%

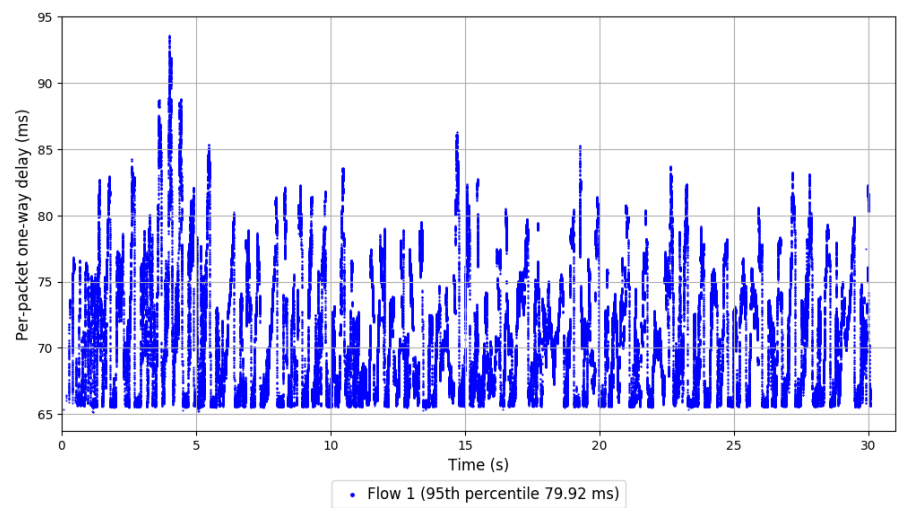
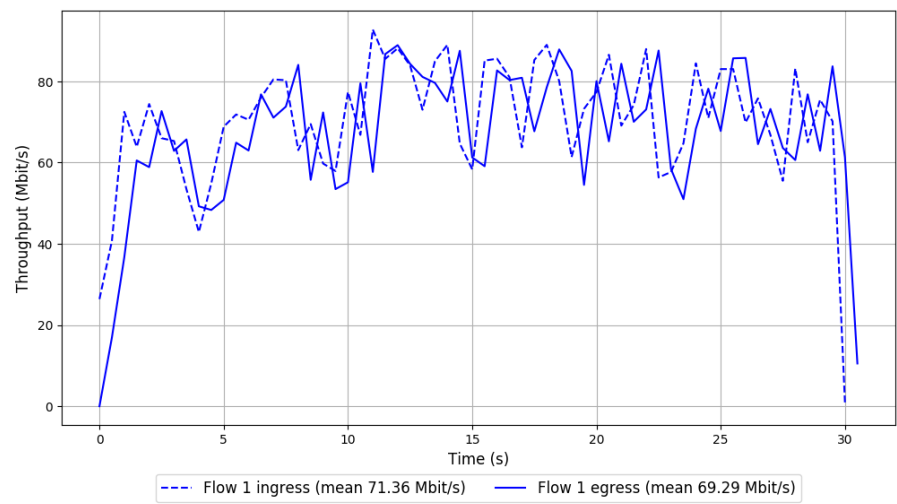
-- Flow 1:

Average throughput: 69.29 Mbit/s

95th percentile per-packet one-way delay: 79.918 ms

Loss rate: 2.89%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-05-24 03:43:46

End at: 2018-05-24 03:44:16

Local clock offset: 2.6 ms

Remote clock offset: 0.016 ms

# Below is generated by plot.py at 2018-05-24 07:06:50

# Datalink statistics

-- Total of 1 flow:

Average throughput: 20.99 Mbit/s

95th percentile per-packet one-way delay: 66.525 ms

Loss rate: 0.21%

-- Flow 1:

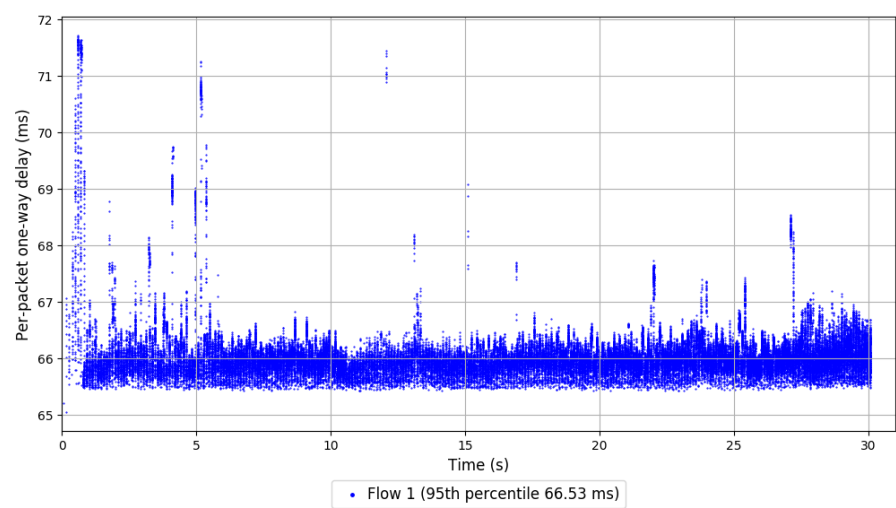
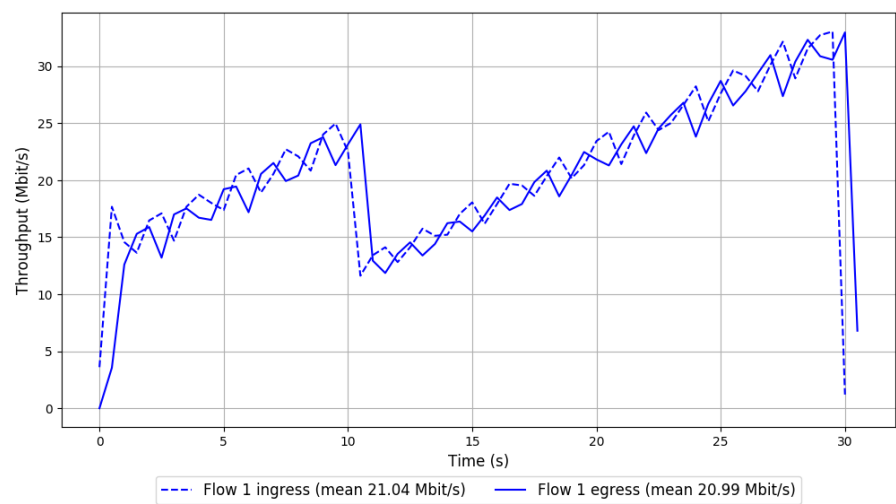
Average throughput: 20.99 Mbit/s

95th percentile per-packet one-way delay: 66.525 ms

Loss rate: 0.21%



Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-05-24 04:04:19

End at: 2018-05-24 04:04:49

Local clock offset: 1.441 ms

Remote clock offset: 0.236 ms

# Below is generated by plot.py at 2018-05-24 07:06:50

# Datalink statistics

-- Total of 1 flow:

Average throughput: 12.19 Mbit/s

95th percentile per-packet one-way delay: 66.528 ms

Loss rate: 0.06%

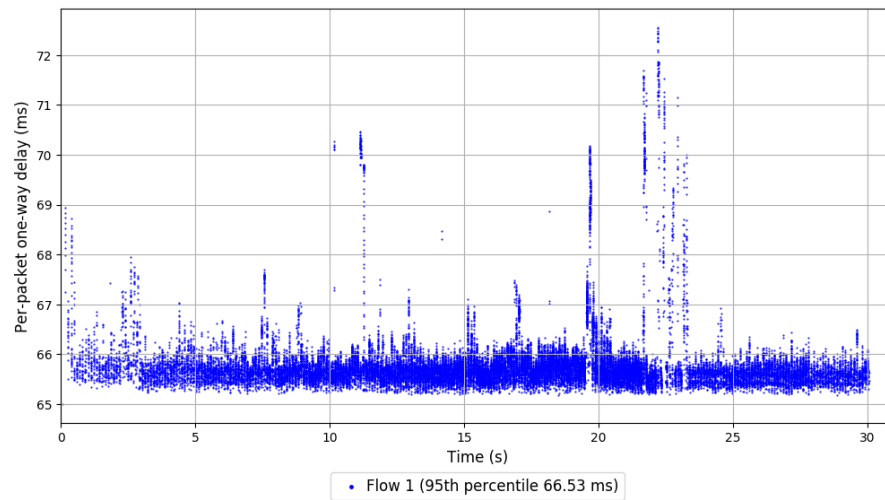
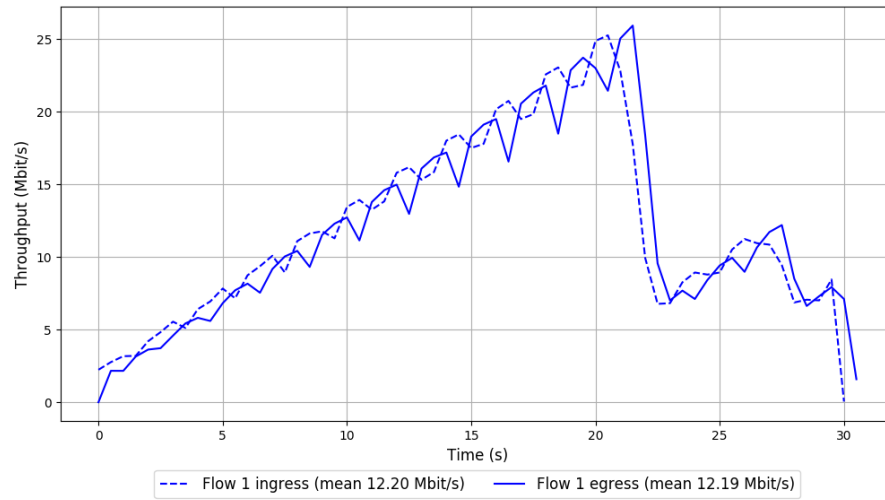
-- Flow 1:

Average throughput: 12.19 Mbit/s

95th percentile per-packet one-way delay: 66.528 ms

Loss rate: 0.06%

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



Run 3: Statistics of TCP Vegas

Start at: 2018-05-24 04:24:54

End at: 2018-05-24 04:25:24

Local clock offset: 0.551 ms

Remote clock offset: 0.459 ms

# Below is generated by plot.py at 2018-05-24 07:06:50

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.90 Mbit/s

95th percentile per-packet one-way delay: 66.743 ms

Loss rate: 0.51%

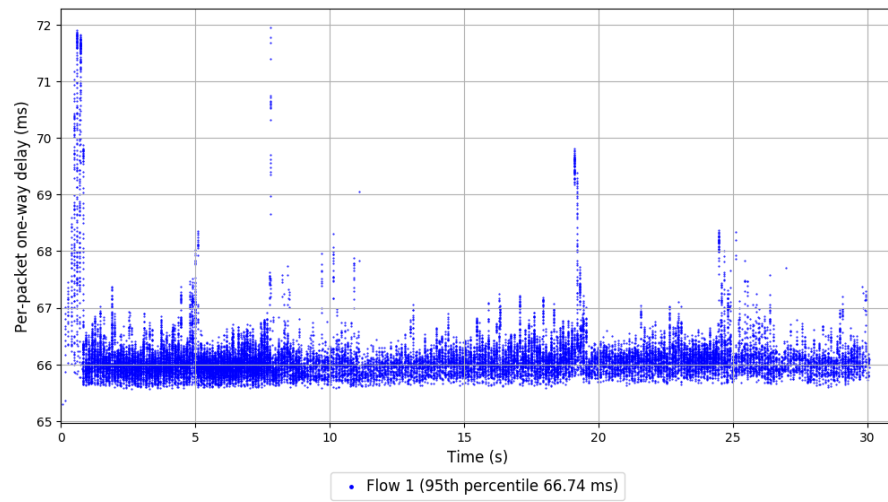
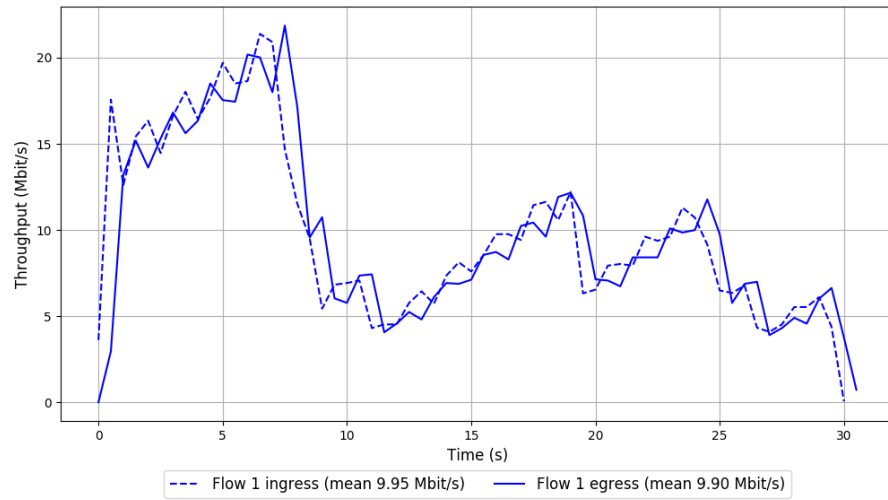
-- Flow 1:

Average throughput: 9.90 Mbit/s

95th percentile per-packet one-way delay: 66.743 ms

Loss rate: 0.51%

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

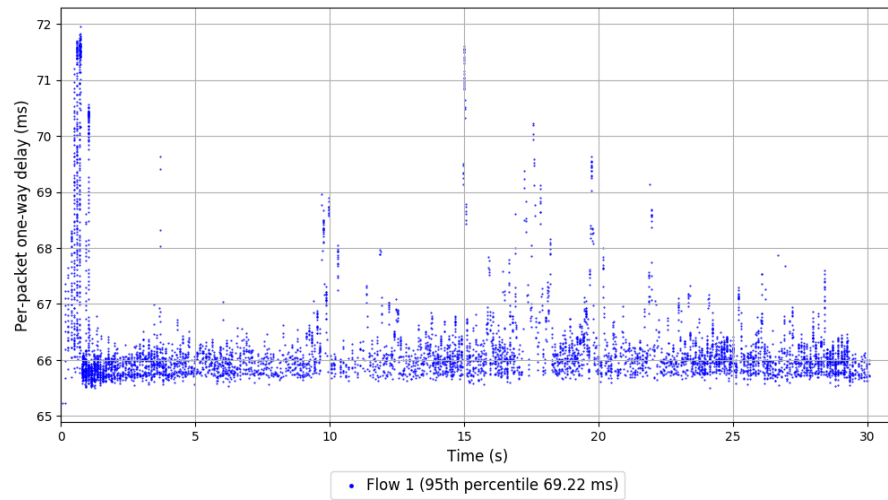
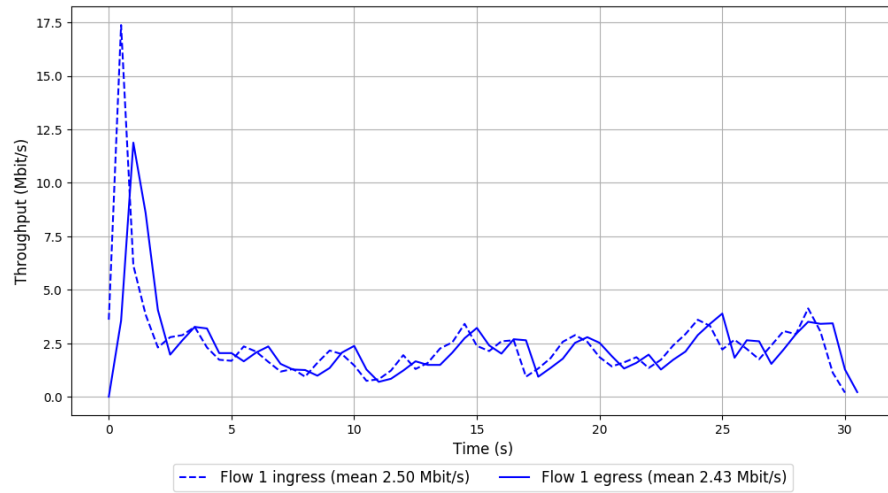


Run 4: Statistics of TCP Vegas

Start at: 2018-05-24 04:46:30  
End at: 2018-05-24 04:47:00  
Local clock offset: 0.62 ms  
Remote clock offset: -0.088 ms

# Below is generated by plot.py at 2018-05-24 07:06:50  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.43 Mbit/s  
95th percentile per-packet one-way delay: 69.221 ms  
Loss rate: 2.65%  
-- Flow 1:  
Average throughput: 2.43 Mbit/s  
95th percentile per-packet one-way delay: 69.221 ms  
Loss rate: 2.65%

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



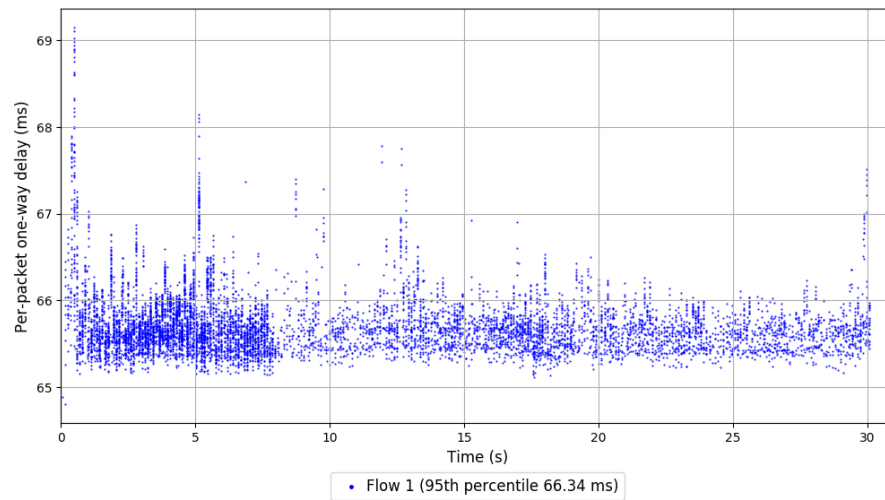
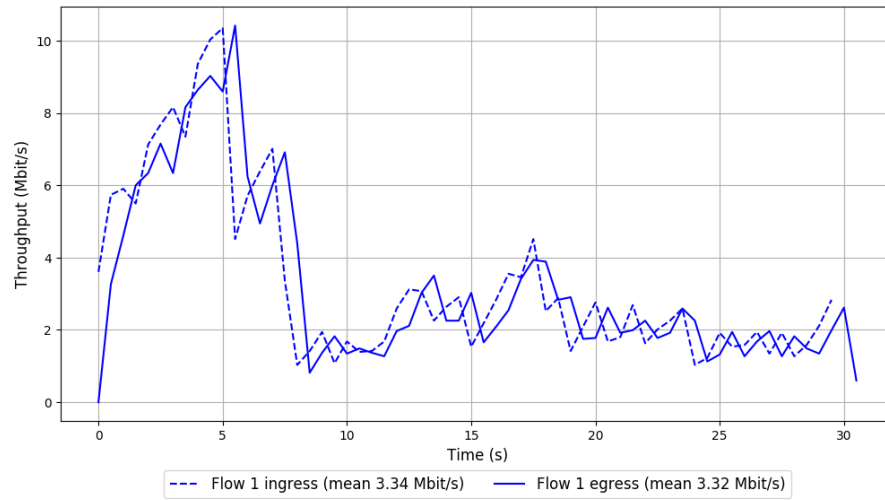
Run 5: Statistics of TCP Vegas

Start at: 2018-05-24 05:07:04  
End at: 2018-05-24 05:07:34  
Local clock offset: 2.655 ms  
Remote clock offset: -0.543 ms

# Below is generated by plot.py at 2018-05-24 07:06:50  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 3.32 Mbit/s  
95th percentile per-packet one-way delay: 66.339 ms  
Loss rate: 0.74%  
-- Flow 1:  
Average throughput: 3.32 Mbit/s  
95th percentile per-packet one-way delay: 66.339 ms  
Loss rate: 0.74%



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

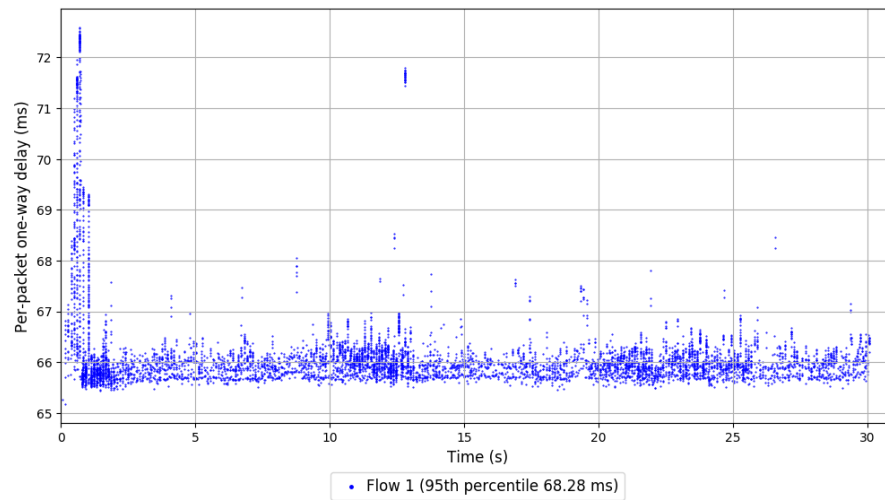
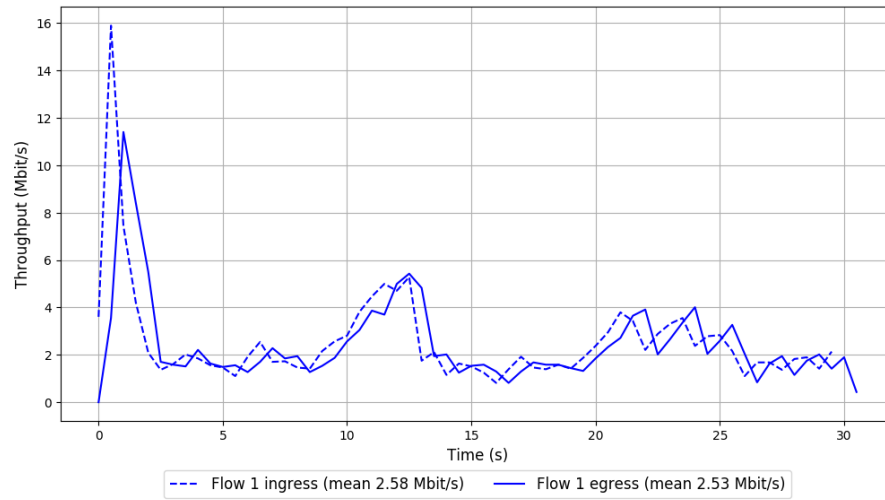


Run 6: Statistics of TCP Vegas

Start at: 2018-05-24 05:27:36  
End at: 2018-05-24 05:28:06  
Local clock offset: 3.712 ms  
Remote clock offset: -0.632 ms

# Below is generated by plot.py at 2018-05-24 07:06:50  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.53 Mbit/s  
95th percentile per-packet one-way delay: 68.283 ms  
Loss rate: 2.09%  
-- Flow 1:  
Average throughput: 2.53 Mbit/s  
95th percentile per-packet one-way delay: 68.283 ms  
Loss rate: 2.09%

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



Run 7: Statistics of TCP Vegas

Start at: 2018-05-24 05:48:02

End at: 2018-05-24 05:48:32

Local clock offset: 4.06 ms

Remote clock offset: 0.101 ms

# Below is generated by plot.py at 2018-05-24 07:06:50

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.91 Mbit/s

95th percentile per-packet one-way delay: 68.412 ms

Loss rate: 1.52%

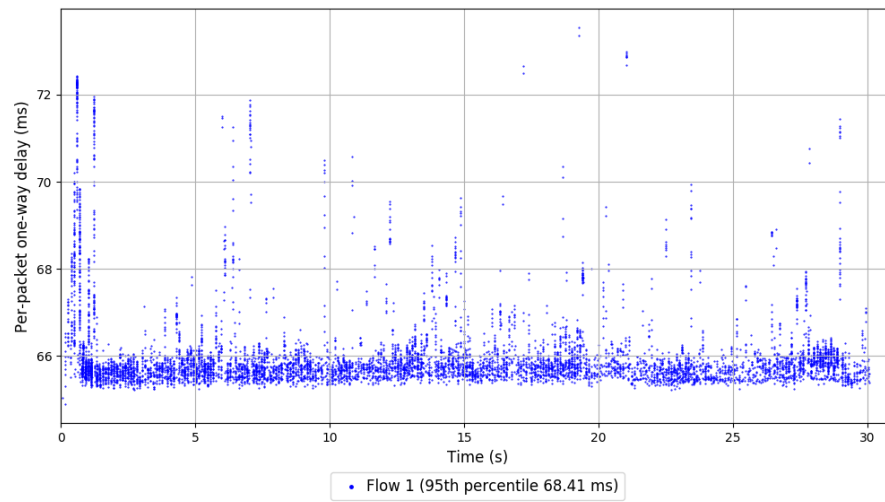
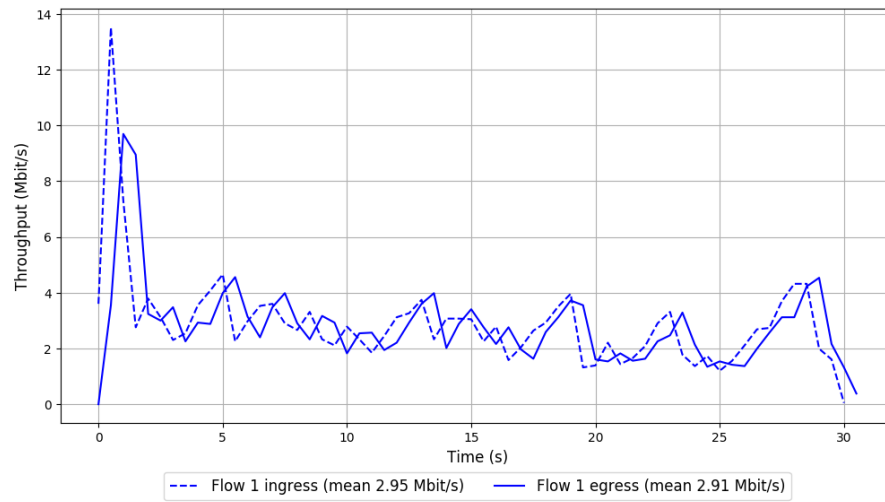
-- Flow 1:

Average throughput: 2.91 Mbit/s

95th percentile per-packet one-way delay: 68.412 ms

Loss rate: 1.52%

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



Run 8: Statistics of TCP Vegas

Start at: 2018-05-24 06:08:30

End at: 2018-05-24 06:09:00

Local clock offset: 2.715 ms

Remote clock offset: 0.593 ms

# Below is generated by plot.py at 2018-05-24 07:06:50

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 69.934 ms

Loss rate: 3.82%

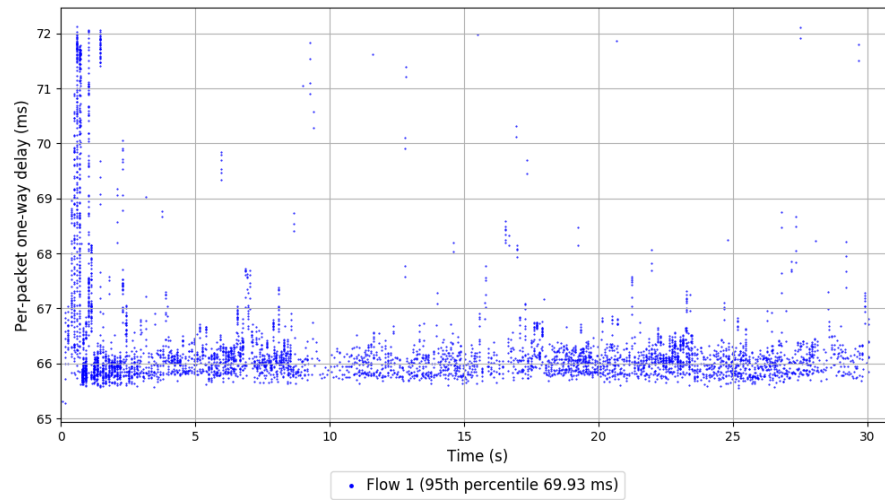
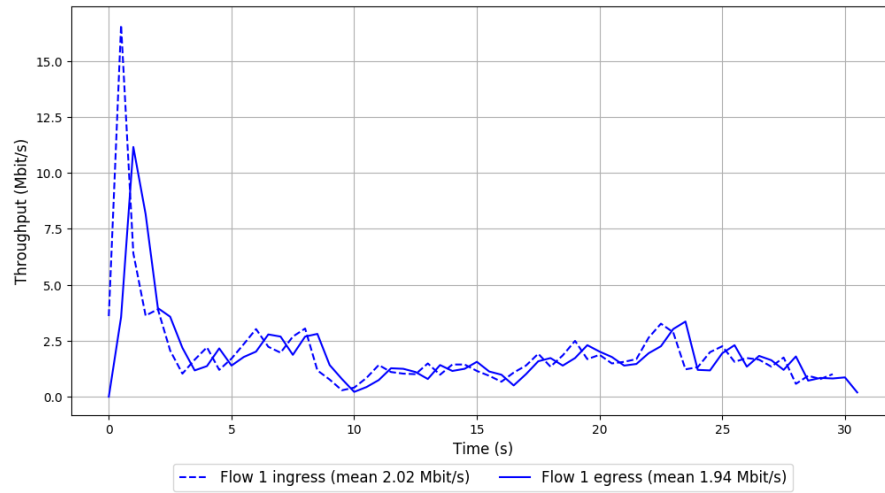
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 69.934 ms

Loss rate: 3.82%

# Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-05-24 06:28:58

End at: 2018-05-24 06:29:28

Local clock offset: 2.704 ms

Remote clock offset: 1.29 ms

# Below is generated by plot.py at 2018-05-24 07:06:50

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.55 Mbit/s

95th percentile per-packet one-way delay: 67.143 ms

Loss rate: 0.72%

-- Flow 1:

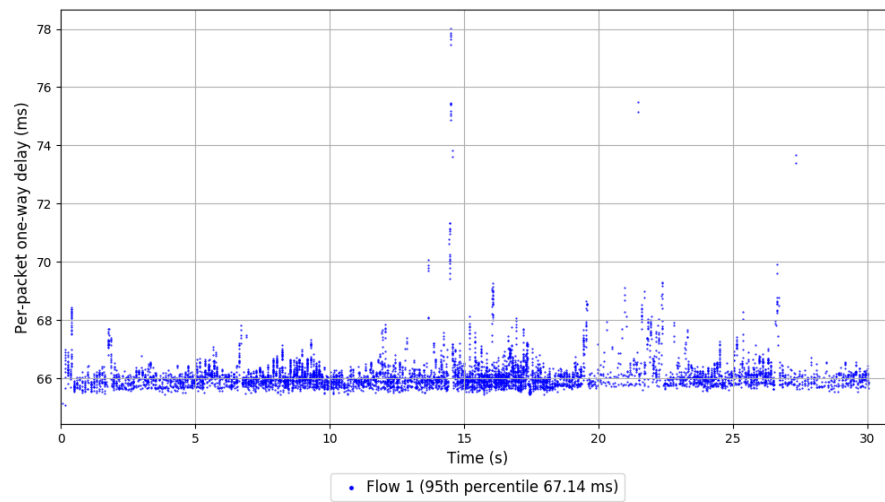
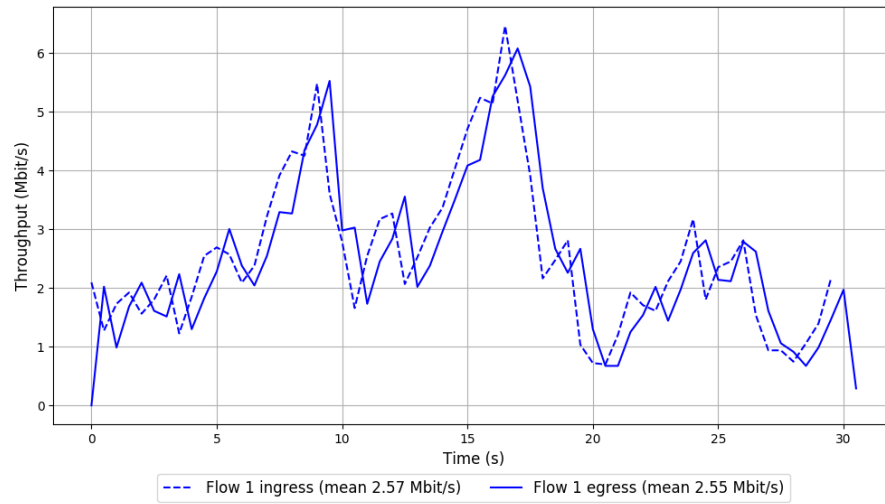
Average throughput: 2.55 Mbit/s

95th percentile per-packet one-way delay: 67.143 ms

Loss rate: 0.72%



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



Run 10: Statistics of TCP Vegas

Start at: 2018-05-24 06:49:30

End at: 2018-05-24 06:50:00

Local clock offset: 4.49 ms

Remote clock offset: 1.143 ms

# Below is generated by plot.py at 2018-05-24 07:06:50

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.07 Mbit/s

95th percentile per-packet one-way delay: 67.210 ms

Loss rate: 0.93%

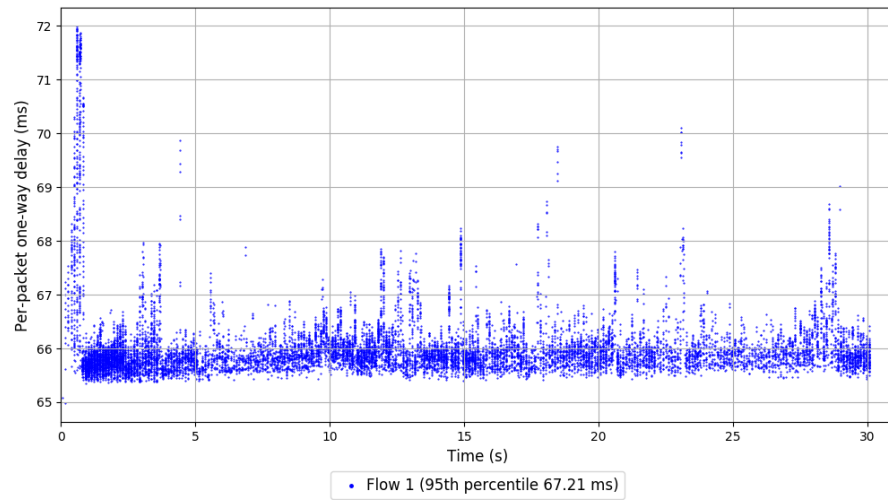
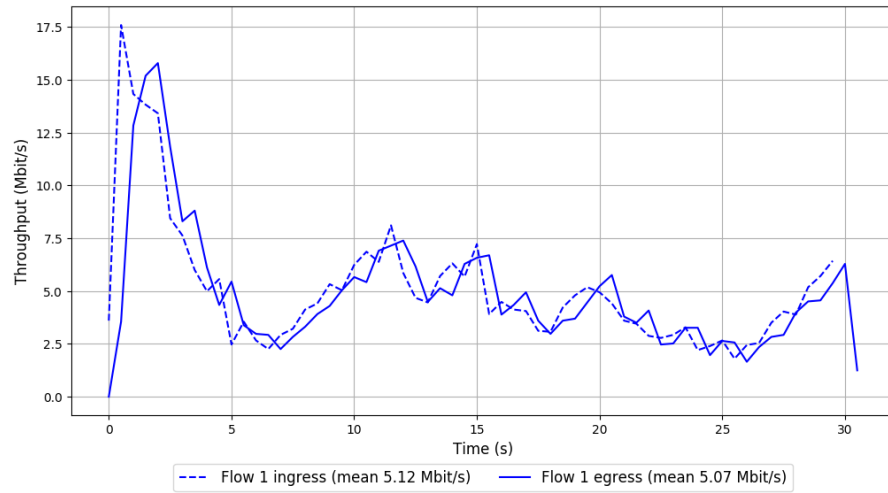
-- Flow 1:

Average throughput: 5.07 Mbit/s

95th percentile per-packet one-way delay: 67.210 ms

Loss rate: 0.93%

# Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-05-24 03:40:01

End at: 2018-05-24 03:40:31

Local clock offset: 2.6 ms

Remote clock offset: 0.127 ms

Run 1: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of Verus

Start at: 2018-05-24 04:00:34

End at: 2018-05-24 04:01:04

Local clock offset: 1.733 ms

Remote clock offset: 0.173 ms

Run 2: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of Verus

Start at: 2018-05-24 04:21:09

End at: 2018-05-24 04:21:39

Local clock offset: 0.639 ms

Remote clock offset: 0.341 ms



Run 3: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of Verus

Start at: 2018-05-24 04:42:45

End at: 2018-05-24 04:43:15

Local clock offset: 0.428 ms

Remote clock offset: -0.126 ms

Run 4: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of Verus

Start at: 2018-05-24 05:03:19

End at: 2018-05-24 05:03:49

Local clock offset: 2.059 ms

Remote clock offset: -1.307 ms

Run 5: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of Verus

Start at: 2018-05-24 05:23:51

End at: 2018-05-24 05:24:21

Local clock offset: 3.599 ms

Remote clock offset: -0.688 ms

Run 6: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of Verus

Start at: 2018-05-24 05:44:17

End at: 2018-05-24 05:44:47

Local clock offset: 3.948 ms

Remote clock offset: -0.294 ms



Run 7: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of Verus

Start at: 2018-05-24 06:04:46

End at: 2018-05-24 06:05:16

Local clock offset: 2.934 ms

Remote clock offset: 0.495 ms

Run 8: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of Verus

Start at: 2018-05-24 06:25:13

End at: 2018-05-24 06:25:43

Local clock offset: 2.296 ms

Remote clock offset: 1.17 ms

Run 9: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of Verus

Start at: 2018-05-24 06:45:45

End at: 2018-05-24 06:46:16

Local clock offset: 4.169 ms

Remote clock offset: 1.386 ms

Run 10: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 1: Statistics of PCC-Vivace

Start at: 2018-05-24 03:46:17

End at: 2018-05-24 03:46:47

Local clock offset: 2.568 ms

Remote clock offset: 0.058 ms

# Below is generated by plot.py at 2018-05-24 07:07:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 75.66 Mbit/s

95th percentile per-packet one-way delay: 74.909 ms

Loss rate: 1.17%

-- Flow 1:

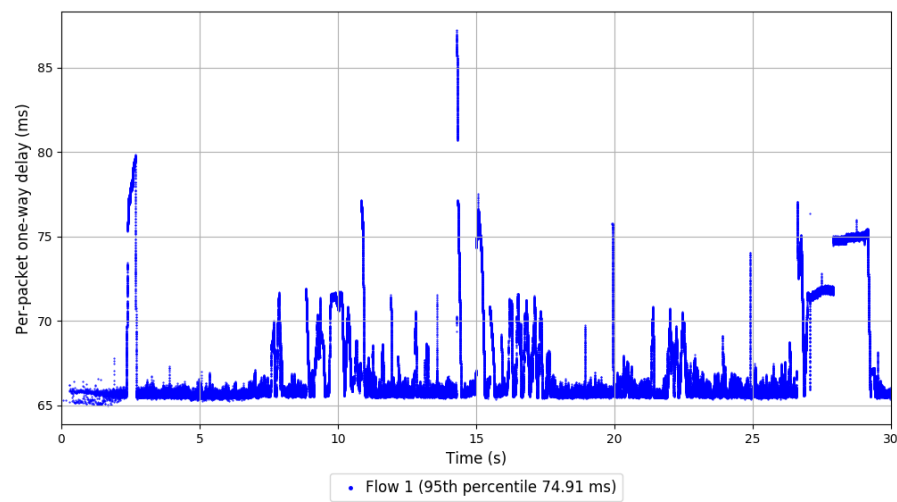
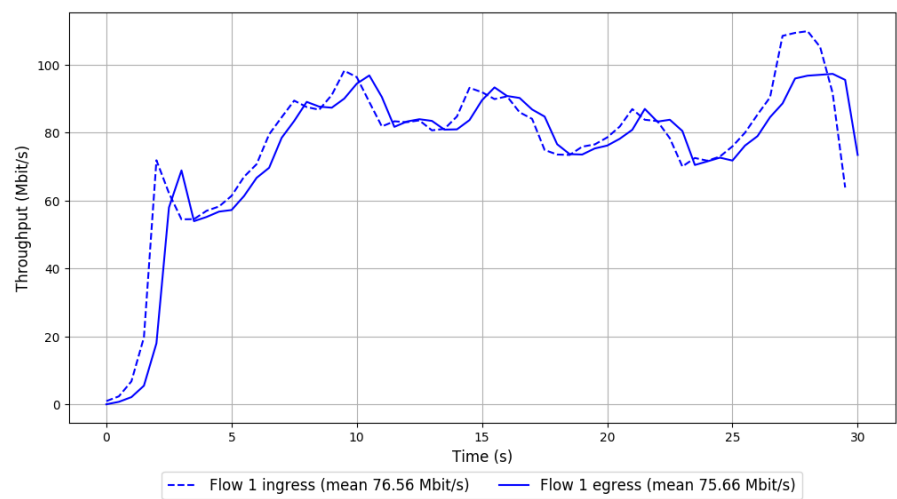
Average throughput: 75.66 Mbit/s

95th percentile per-packet one-way delay: 74.909 ms

Loss rate: 1.17%



Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-05-24 04:06:49

End at: 2018-05-24 04:07:19

Local clock offset: 1.275 ms

Remote clock offset: 0.3 ms

# Below is generated by plot.py at 2018-05-24 07:07:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 62.81 Mbit/s

95th percentile per-packet one-way delay: 69.585 ms

Loss rate: 0.13%

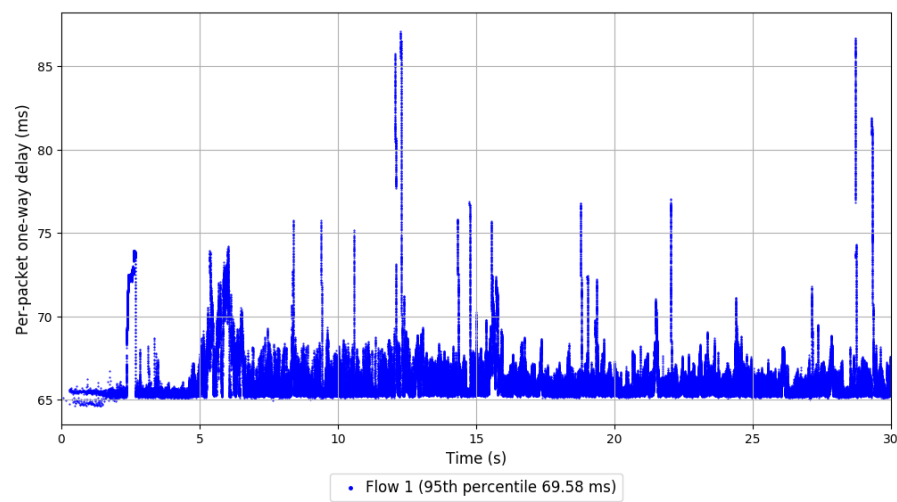
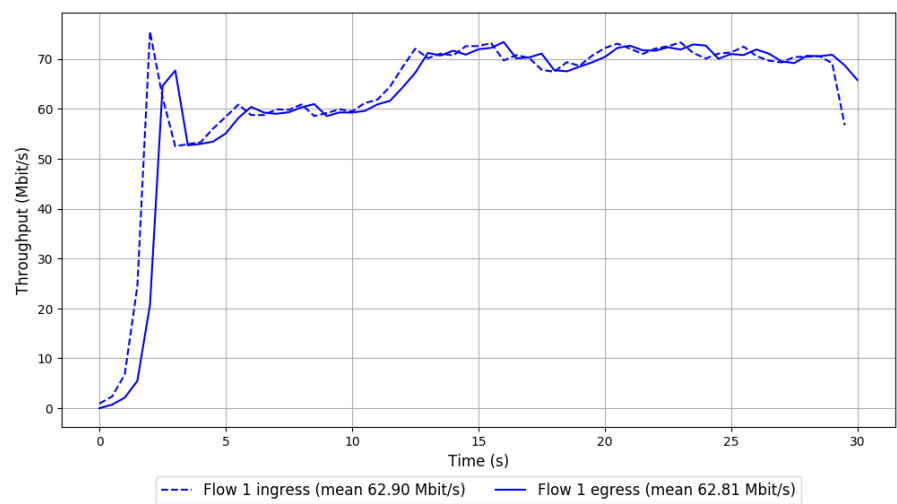
-- Flow 1:

Average throughput: 62.81 Mbit/s

95th percentile per-packet one-way delay: 69.585 ms

Loss rate: 0.13%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

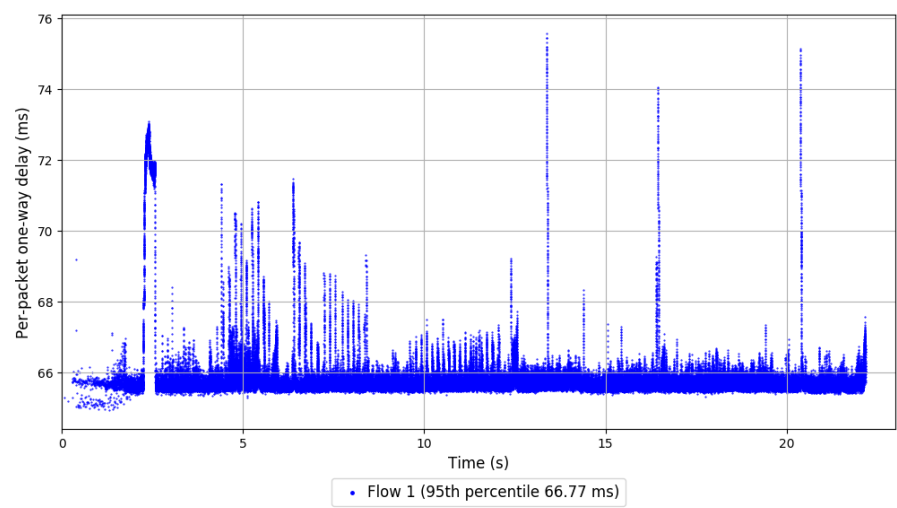
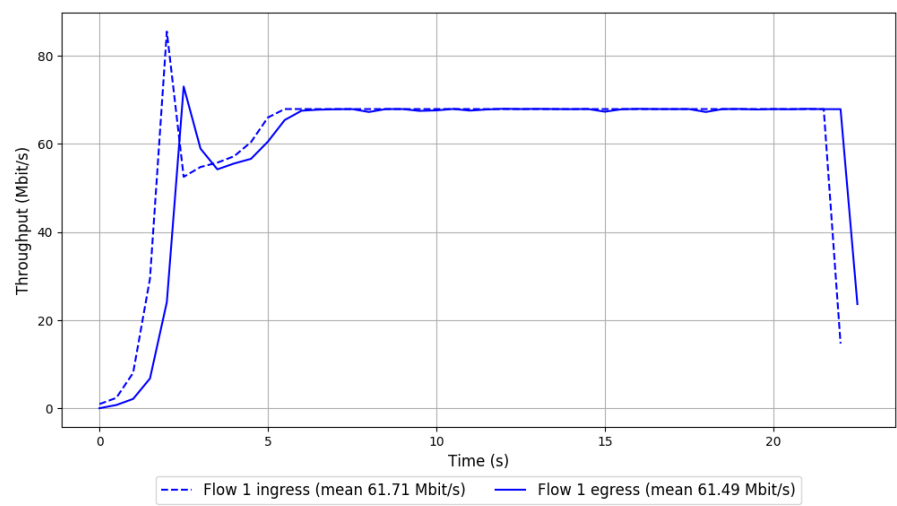
Start at: 2018-05-24 04:27:24

End at: 2018-05-24 04:27:54

Local clock offset: 0.545 ms

Remote clock offset: 0.42 ms

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-05-24 04:49:00

End at: 2018-05-24 04:49:30

Local clock offset: 0.441 ms

Remote clock offset: -0.219 ms

# Below is generated by plot.py at 2018-05-24 07:07:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 69.02 Mbit/s

95th percentile per-packet one-way delay: 71.326 ms

Loss rate: 0.75%

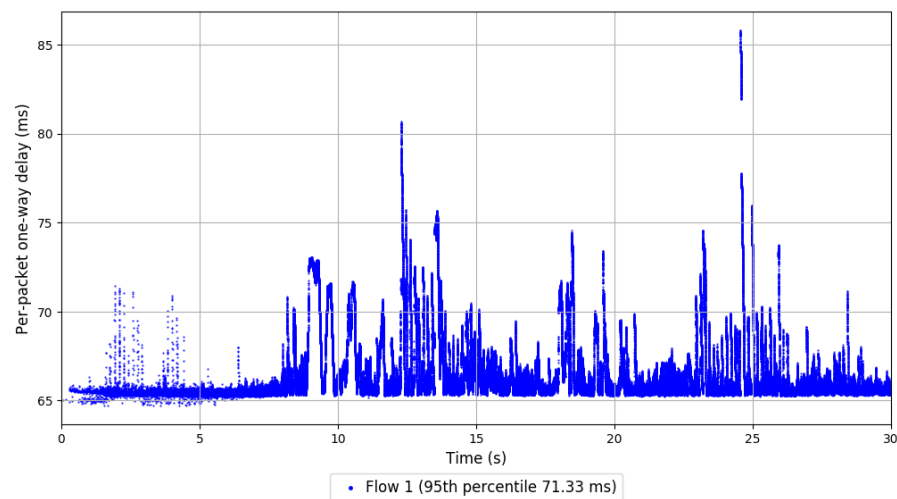
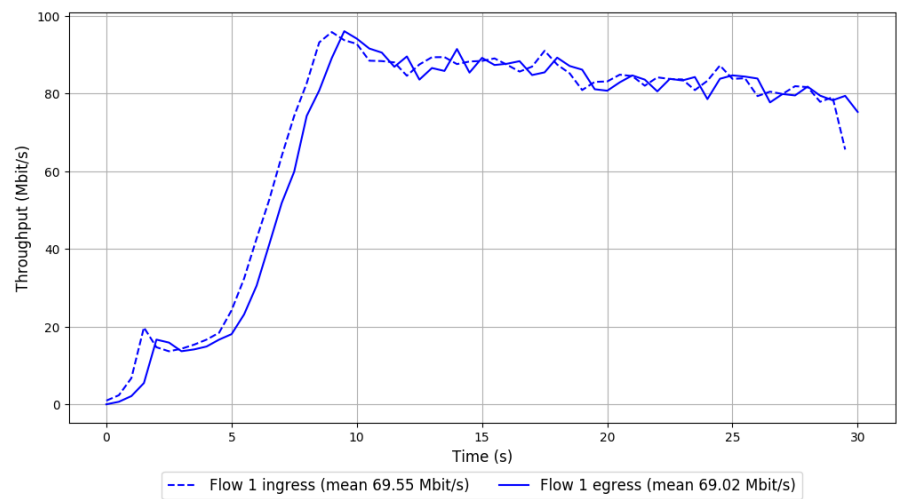
-- Flow 1:

Average throughput: 69.02 Mbit/s

95th percentile per-packet one-way delay: 71.326 ms

Loss rate: 0.75%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-05-24 05:09:35

End at: 2018-05-24 05:10:05

Local clock offset: 2.718 ms

Remote clock offset: -0.464 ms

# Below is generated by plot.py at 2018-05-24 07:07:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 29.32 Mbit/s

95th percentile per-packet one-way delay: 69.623 ms

Loss rate: 0.95%

-- Flow 1:

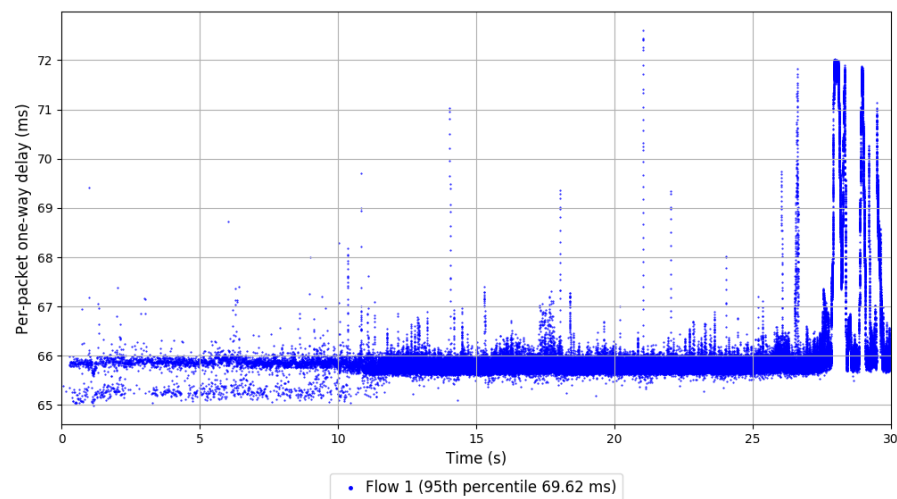
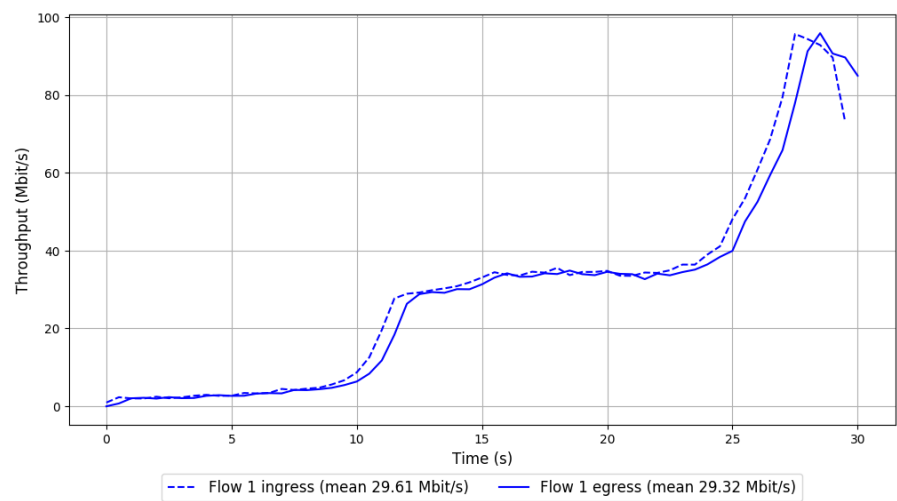
Average throughput: 29.32 Mbit/s

95th percentile per-packet one-way delay: 69.623 ms

Loss rate: 0.95%



Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-05-24 05:30:06

End at: 2018-05-24 05:30:36

Local clock offset: 3.627 ms

Remote clock offset: -0.896 ms

# Below is generated by plot.py at 2018-05-24 07:07:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 39.59 Mbit/s

95th percentile per-packet one-way delay: 70.524 ms

Loss rate: 1.08%

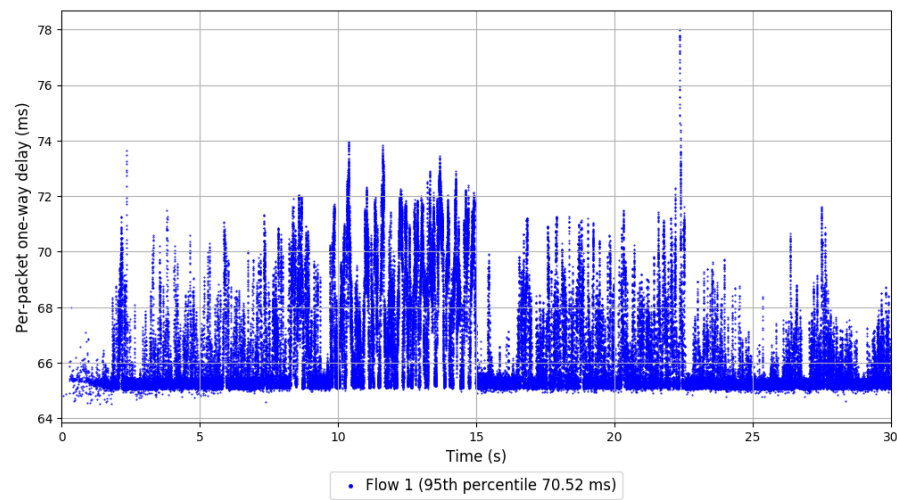
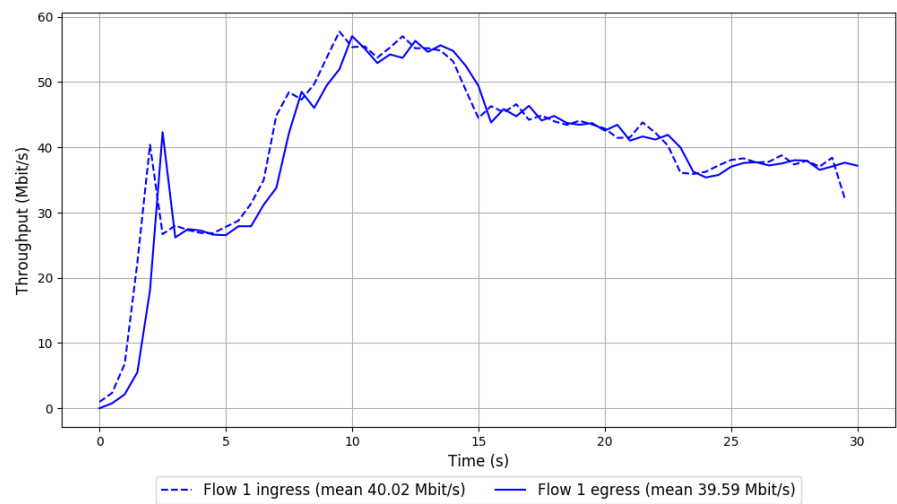
-- Flow 1:

Average throughput: 39.59 Mbit/s

95th percentile per-packet one-way delay: 70.524 ms

Loss rate: 1.08%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-05-24 05:50:33

End at: 2018-05-24 05:51:03

Local clock offset: 4.109 ms

Remote clock offset: 0.12 ms

# Below is generated by plot.py at 2018-05-24 07:07:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 22.47 Mbit/s

95th percentile per-packet one-way delay: 68.284 ms

Loss rate: 0.73%

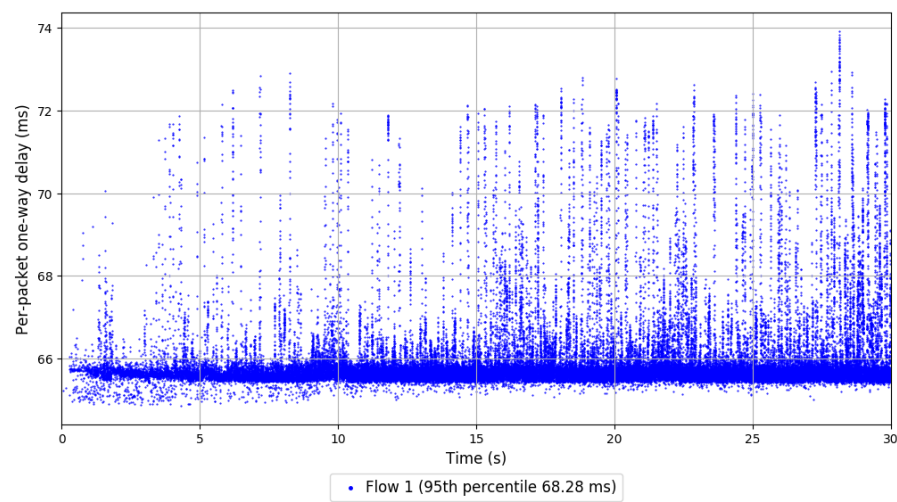
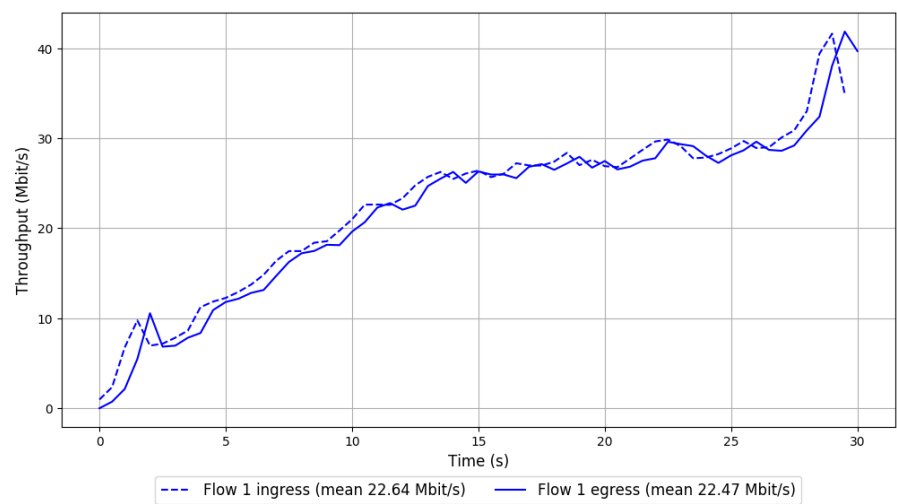
-- Flow 1:

Average throughput: 22.47 Mbit/s

95th percentile per-packet one-way delay: 68.284 ms

Loss rate: 0.73%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-05-24 06:11:01

End at: 2018-05-24 06:11:31

Local clock offset: 2.628 ms

Remote clock offset: 0.681 ms

# Below is generated by plot.py at 2018-05-24 07:07:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 43.44 Mbit/s

95th percentile per-packet one-way delay: 71.663 ms

Loss rate: 2.44%

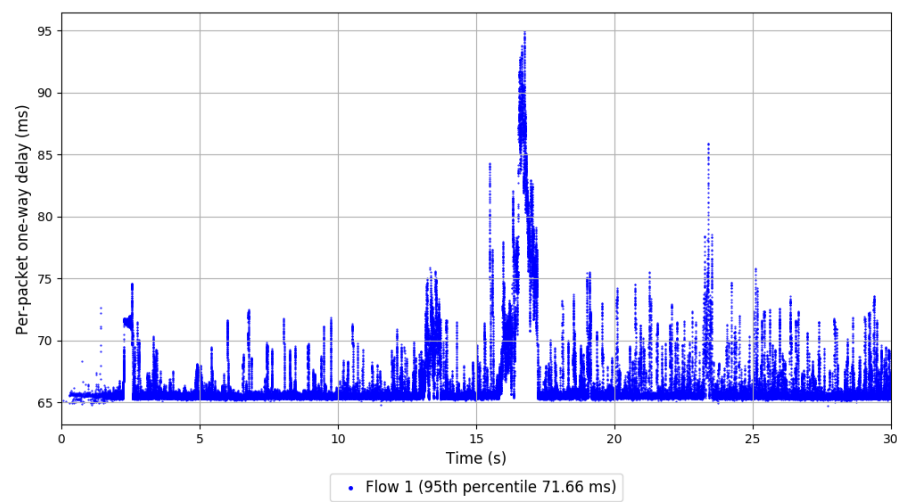
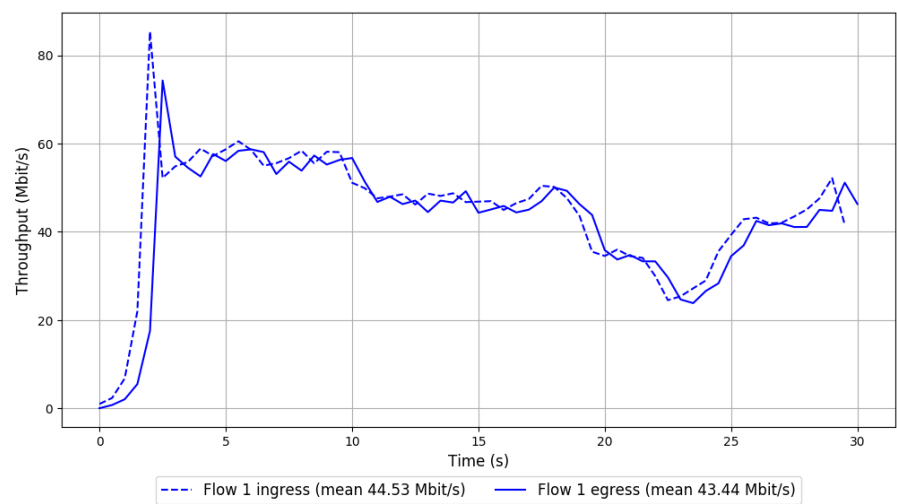
-- Flow 1:

Average throughput: 43.44 Mbit/s

95th percentile per-packet one-way delay: 71.663 ms

Loss rate: 2.44%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-05-24 06:31:28

End at: 2018-05-24 06:31:58

Local clock offset: 3.093 ms

Remote clock offset: 1.358 ms

# Below is generated by plot.py at 2018-05-24 07:07:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 65.80 Mbit/s

95th percentile per-packet one-way delay: 75.362 ms

Loss rate: 2.70%

-- Flow 1:

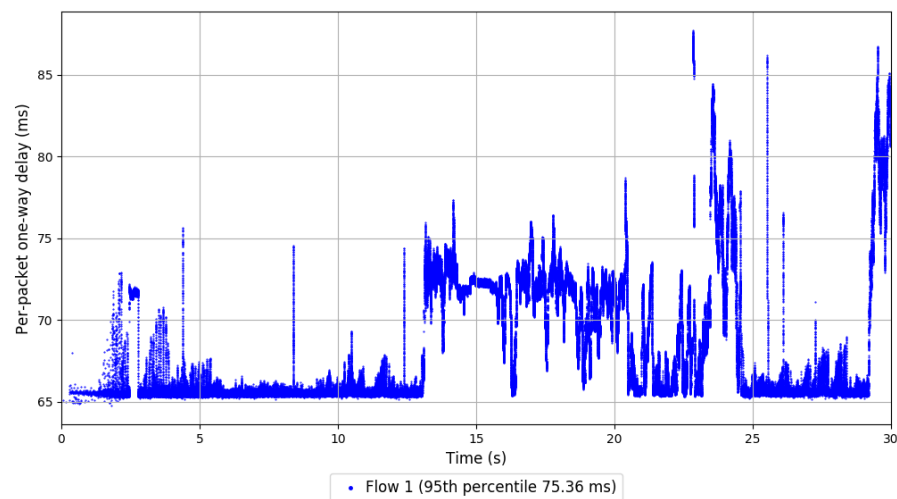
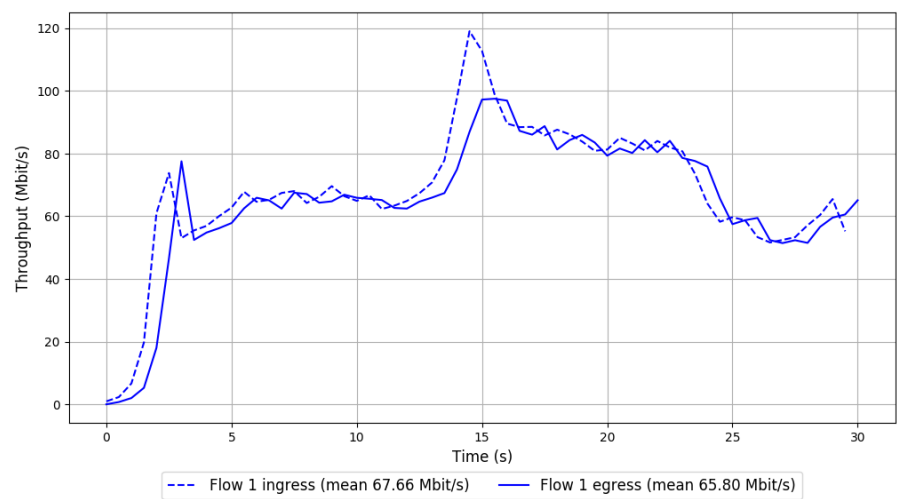
Average throughput: 65.80 Mbit/s

95th percentile per-packet one-way delay: 75.362 ms

Loss rate: 2.70%



Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-05-24 06:52:01

End at: 2018-05-24 06:52:31

Local clock offset: 4.584 ms

Remote clock offset: 1.078 ms

# Below is generated by plot.py at 2018-05-24 07:07:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 66.63 Mbit/s

95th percentile per-packet one-way delay: 80.611 ms

Loss rate: 0.96%

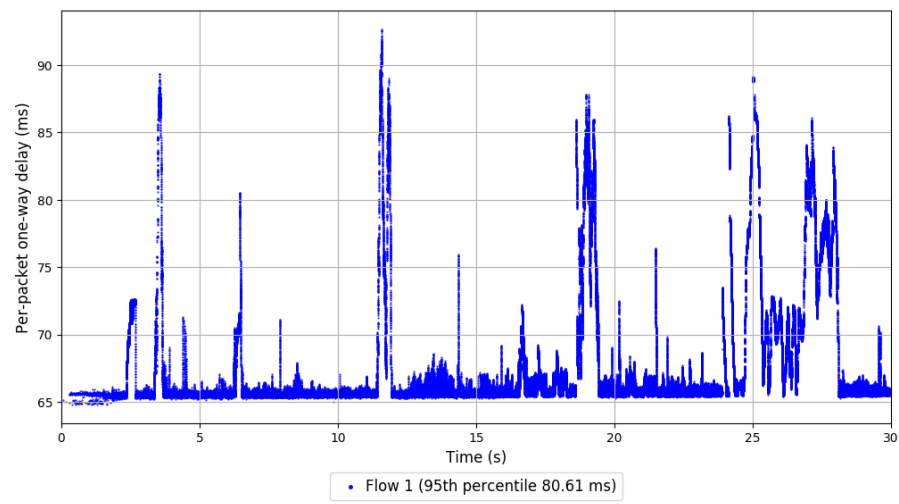
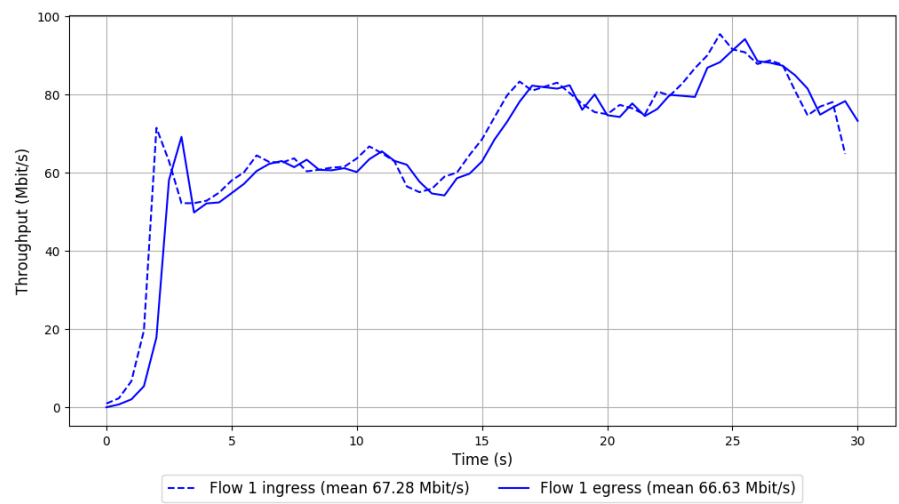
-- Flow 1:

Average throughput: 66.63 Mbit/s

95th percentile per-packet one-way delay: 80.611 ms

Loss rate: 0.96%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-05-24 03:41:16

End at: 2018-05-24 03:41:46

Local clock offset: 2.681 ms

Remote clock offset: 0.127 ms

# Below is generated by plot.py at 2018-05-24 07:07:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 69.580 ms

Loss rate: 0.00%

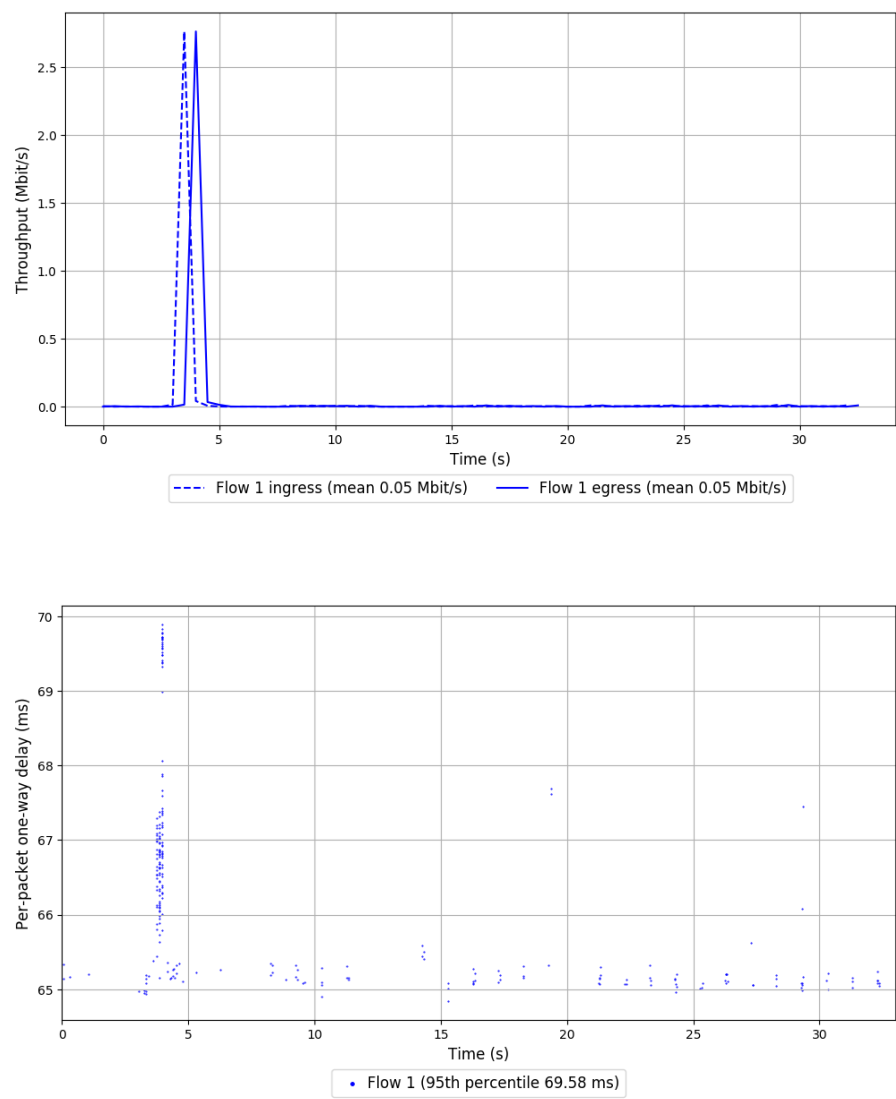
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 69.580 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-05-24 04:01:49

End at: 2018-05-24 04:02:19

Local clock offset: 1.623 ms

Remote clock offset: 0.192 ms

# Below is generated by plot.py at 2018-05-24 07:07:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 69.326 ms

Loss rate: 0.00%

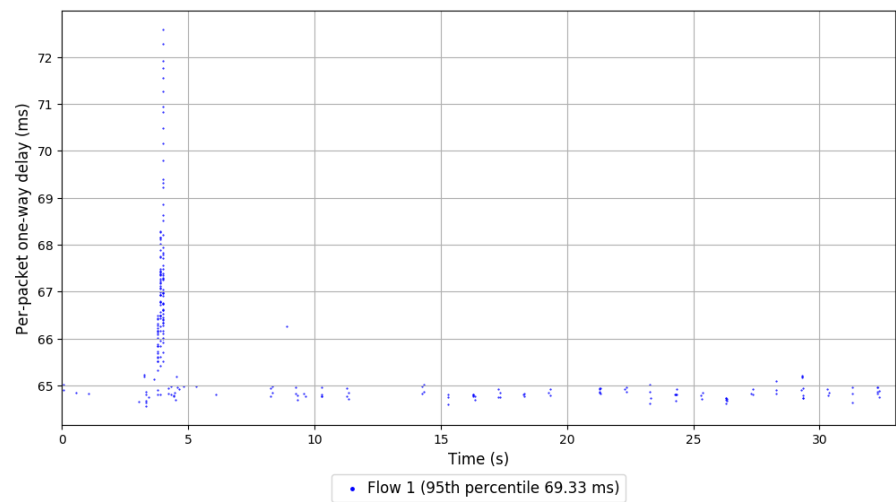
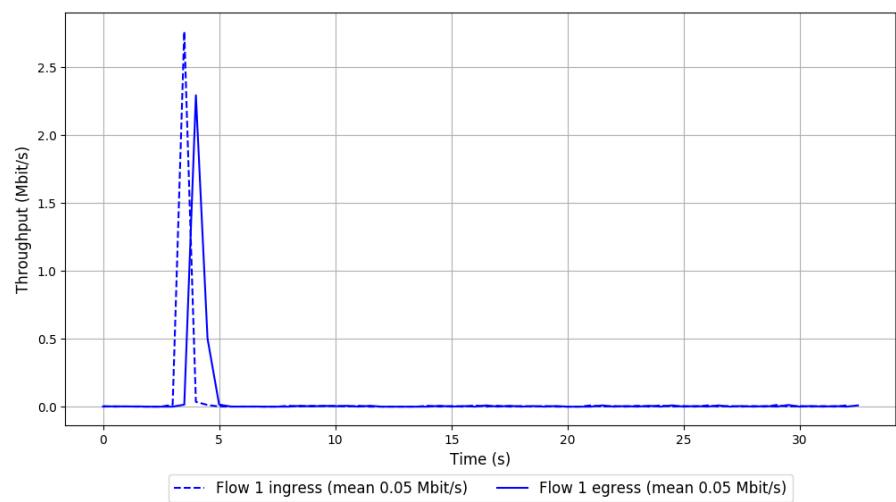
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 69.326 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-05-24 04:22:24

End at: 2018-05-24 04:22:54

Local clock offset: 0.608 ms

Remote clock offset: 0.259 ms

# Below is generated by plot.py at 2018-05-24 07:07:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 67.988 ms

Loss rate: 0.00%

-- Flow 1:

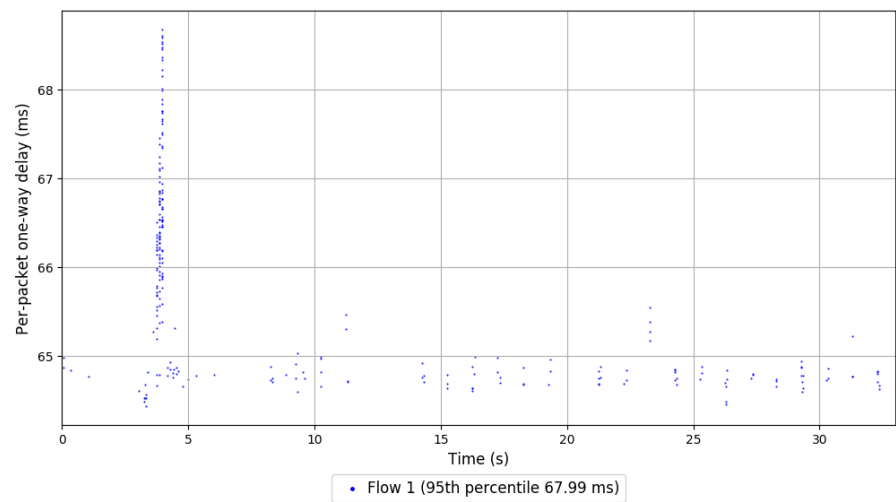
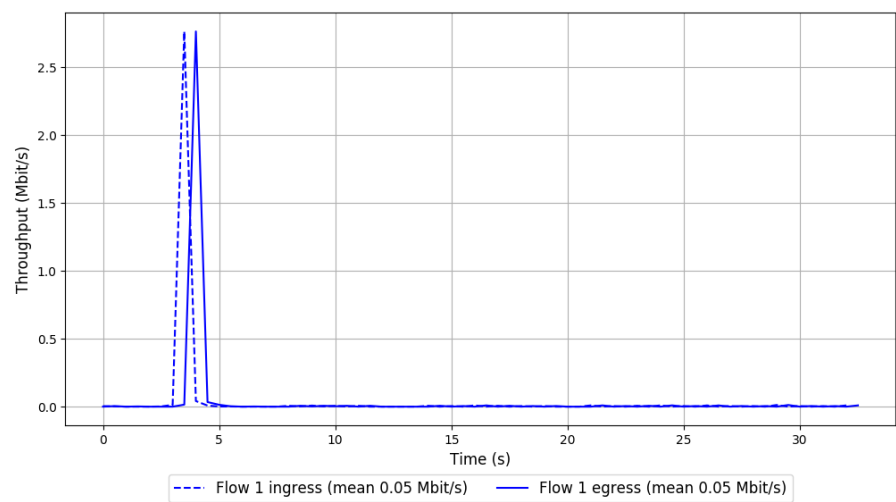
Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 67.988 ms

Loss rate: 0.00%



Run 3: Report of WebRTC media — Data Link

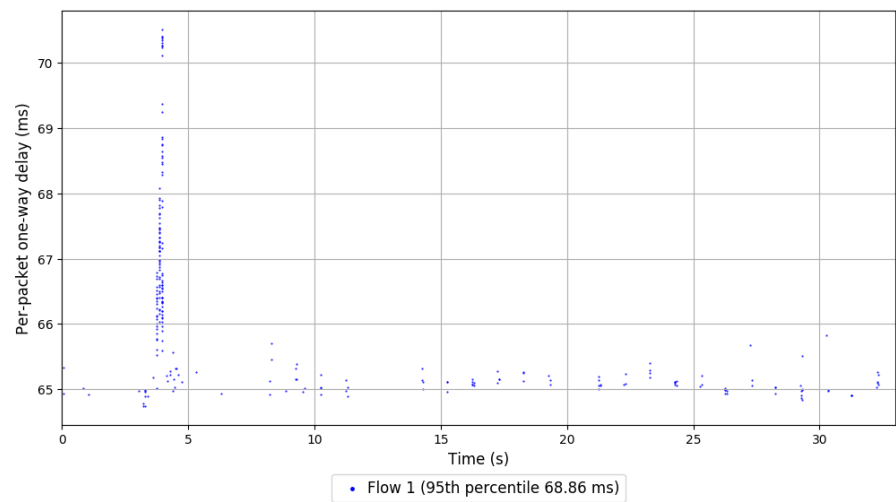
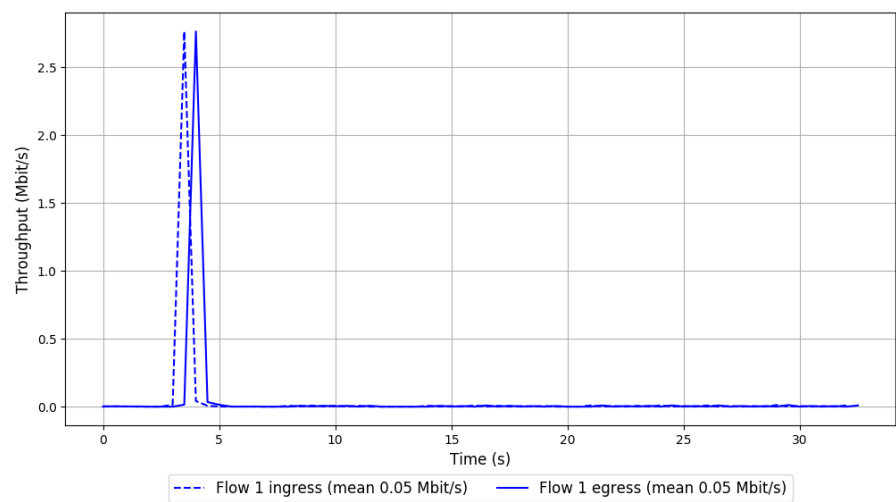


Run 4: Statistics of WebRTC media

Start at: 2018-05-24 04:44:00  
End at: 2018-05-24 04:44:30  
Local clock offset: 0.468 ms  
Remote clock offset: -0.149 ms

# Below is generated by plot.py at 2018-05-24 07:07:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 68.861 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 68.861 ms  
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

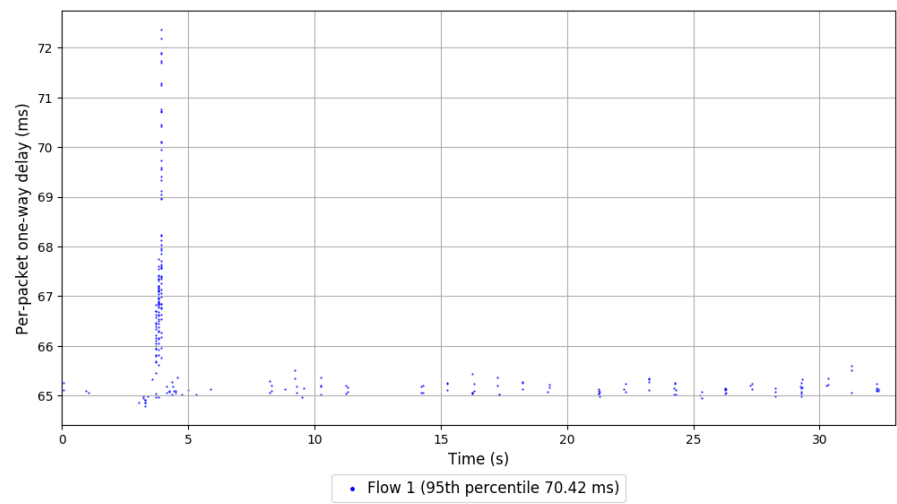
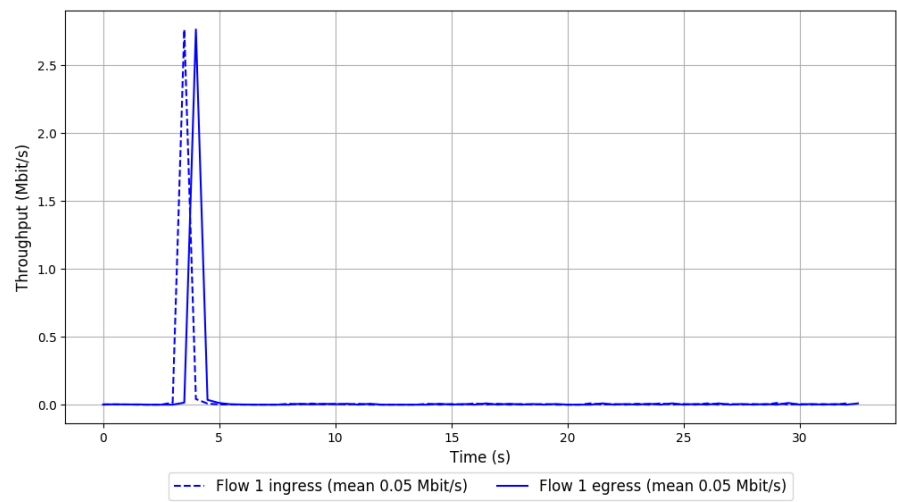


Run 5: Statistics of WebRTC media

Start at: 2018-05-24 05:04:34  
End at: 2018-05-24 05:05:04  
Local clock offset: 2.21 ms  
Remote clock offset: -0.312 ms

# Below is generated by plot.py at 2018-05-24 07:07:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 70.420 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 70.420 ms  
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

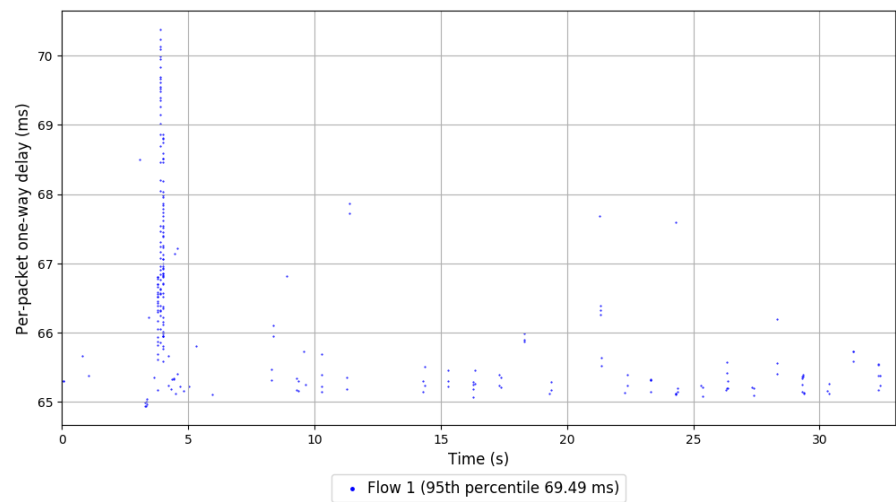
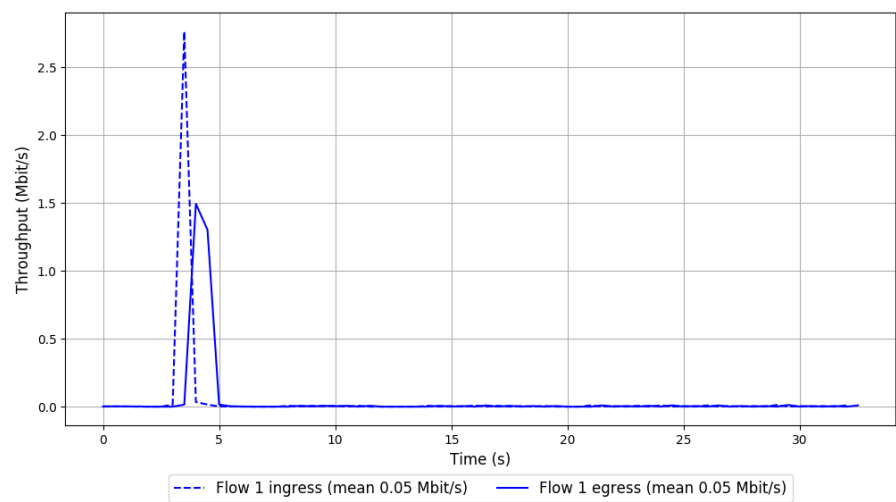


Run 6: Statistics of WebRTC media

Start at: 2018-05-24 05:25:06  
End at: 2018-05-24 05:25:36  
Local clock offset: 3.421 ms  
Remote clock offset: -0.565 ms

# Below is generated by plot.py at 2018-05-24 07:07:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 69.487 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 69.487 ms  
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



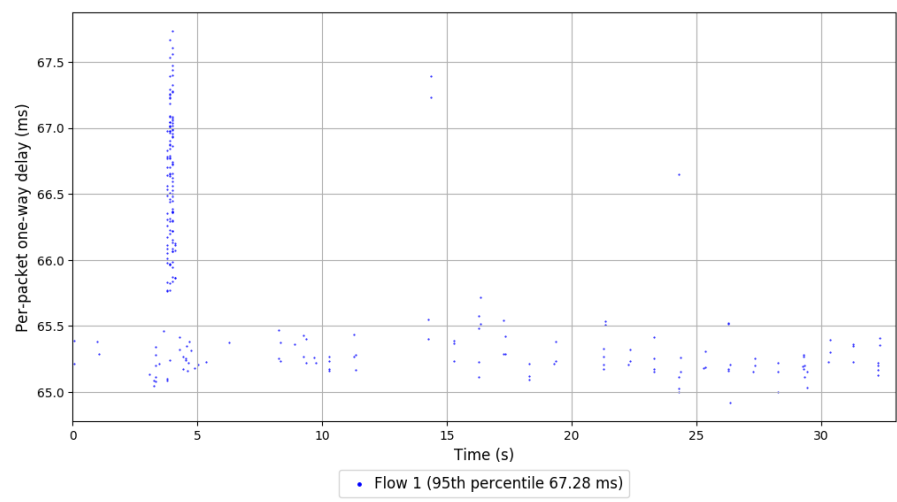
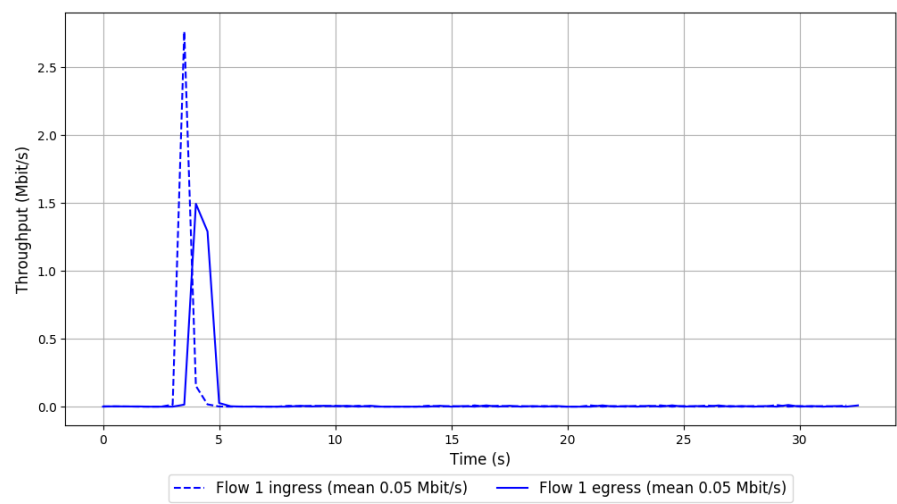
Run 7: Statistics of WebRTC media

Start at: 2018-05-24 05:45:32  
End at: 2018-05-24 05:46:02  
Local clock offset: 3.976 ms  
Remote clock offset: -0.047 ms

# Below is generated by plot.py at 2018-05-24 07:07:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 67.277 ms  
Loss rate: 3.86%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 67.277 ms  
Loss rate: 3.86%



Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-05-24 06:06:00

End at: 2018-05-24 06:06:30

Local clock offset: 2.751 ms

Remote clock offset: 0.561 ms

# Below is generated by plot.py at 2018-05-24 07:07:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 68.099 ms

Loss rate: 0.12%

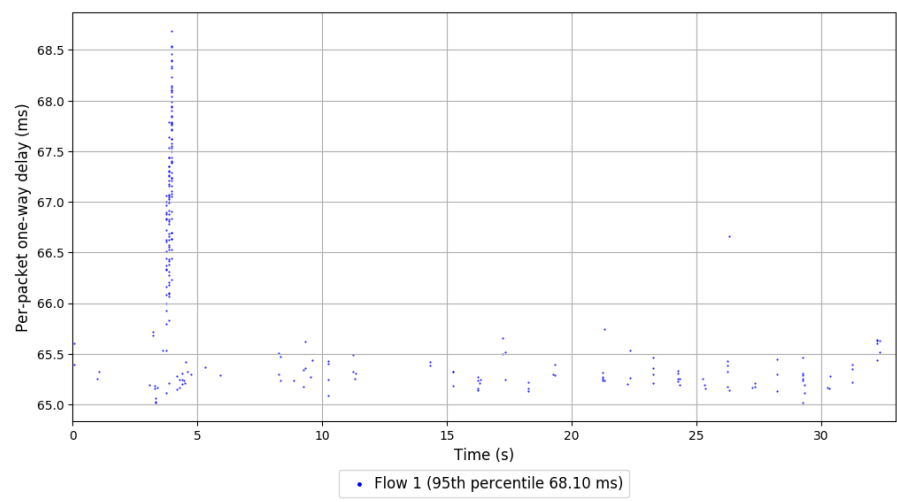
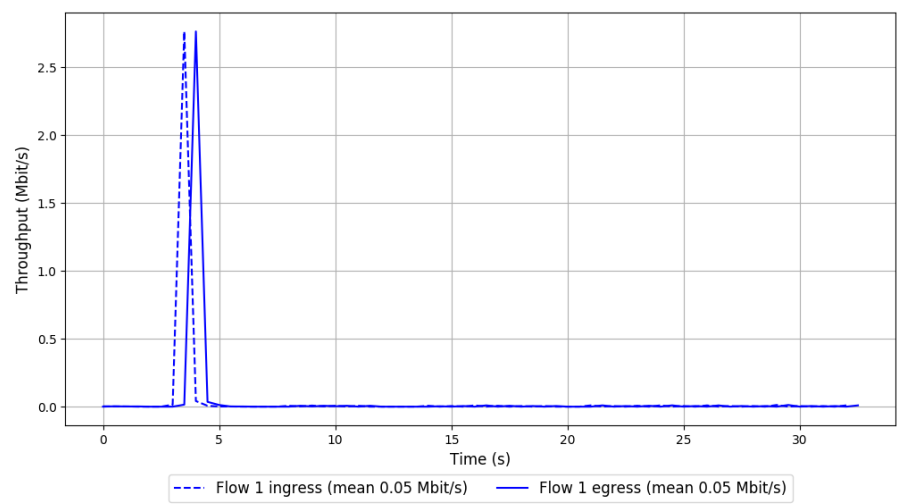
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 68.099 ms

Loss rate: 0.12%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-05-24 06:26:28

End at: 2018-05-24 06:26:58

Local clock offset: 2.436 ms

Remote clock offset: 1.117 ms

# Below is generated by plot.py at 2018-05-24 07:07:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 67.072 ms

Loss rate: 8.16%

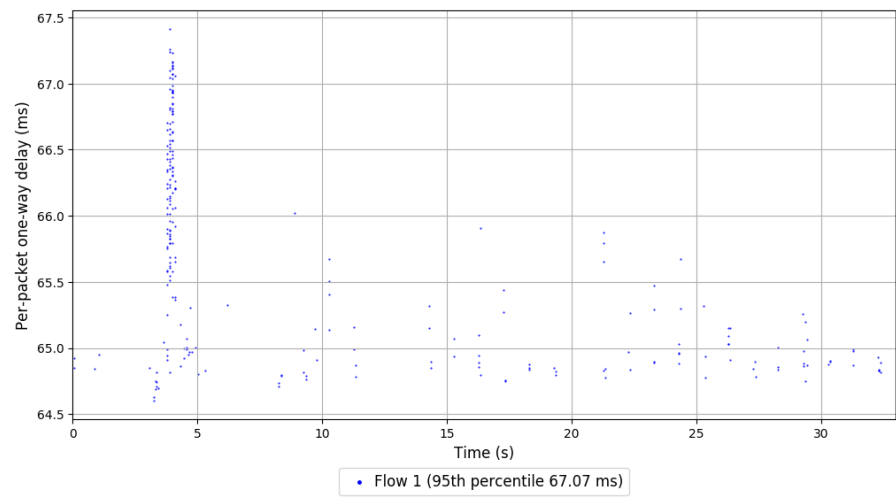
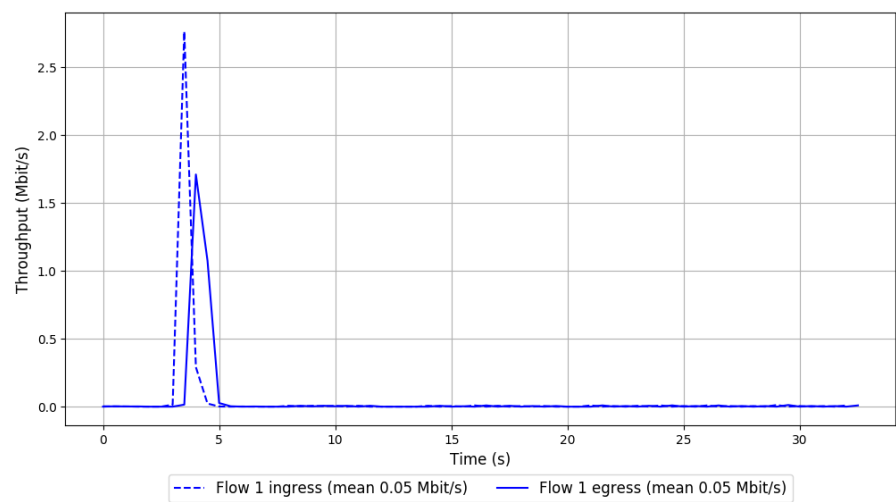
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 67.072 ms

Loss rate: 8.16%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-24 06:47:00

End at: 2018-05-24 06:47:30

Local clock offset: 4.412 ms

Remote clock offset: 1.179 ms

# Below is generated by plot.py at 2018-05-24 07:07:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 68.049 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 68.049 ms

Loss rate: 0.05%

Run 10: Report of WebRTC media — Data Link

