

## Pantheon Report

Generated at 2018-05-25 14:15:58 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

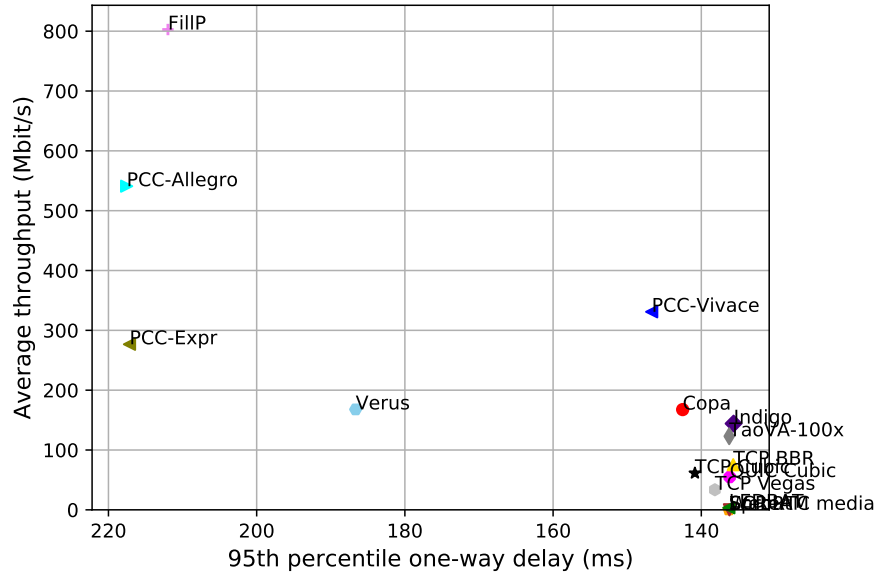
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `time.google.com` and have been applied to correct the timestamps in logs.

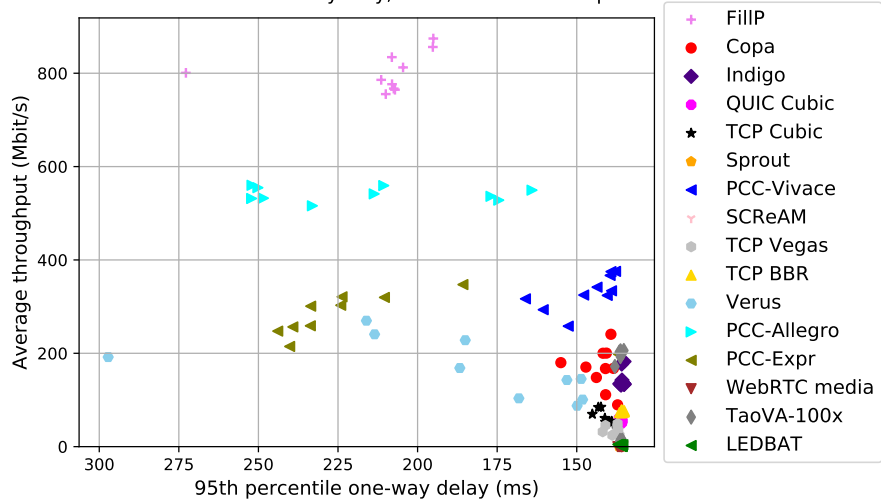
Git summary:

```
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
```

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



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



| scheme       | # runs | mean avg tput (Mbit/s)<br>flow 1 | mean 95th-%ile delay (ms)<br>flow 1 | mean loss rate (%)<br>flow 1 |
|--------------|--------|----------------------------------|-------------------------------------|------------------------------|
| TCP BBR      | 10     | 75.44                            | 135.69                              | 0.94                         |
| Copa         | 10     | 167.55                           | 142.52                              | 1.12                         |
| TCP Cubic    | 10     | 61.29                            | 140.87                              | 1.07                         |
| FillP        | 10     | 802.77                           | 211.97                              | 4.29                         |
| Indigo       | 10     | 144.18                           | 135.65                              | 0.96                         |
| LEDBAT       | 10     | 3.47                             | 136.28                              | 1.72                         |
| PCC-Allegro  | 10     | 540.94                           | 217.54                              | 2.38                         |
| PCC-Expr     | 10     | 276.71                           | 217.16                              | 2.17                         |
| QUIC Cubic   | 10     | 54.86                            | 136.17                              | 1.27                         |
| SCReAM       | 10     | 0.22                             | 136.17                              | 0.86                         |
| Sprout       | 10     | 0.17                             | 136.28                              | 0.89                         |
| TaoVA-100x   | 10     | 122.95                           | 136.24                              | 0.91                         |
| TCP Vegas    | 10     | 33.57                            | 138.17                              | 0.92                         |
| Verus        | 10     | 167.87                           | 186.65                              | 2.04                         |
| PCC-Vivace   | 10     | 330.98                           | 146.70                              | 1.59                         |
| WebRTC media | 9      | 0.05                             | 136.21                              | 0.00                         |

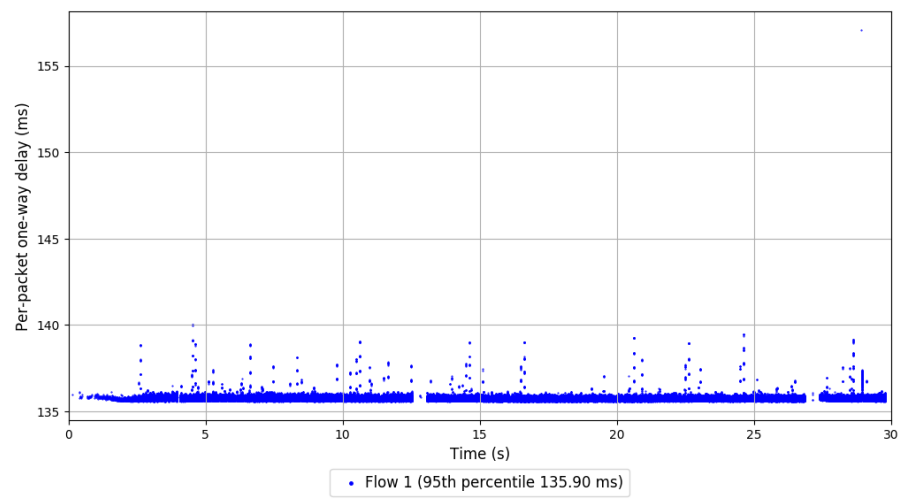
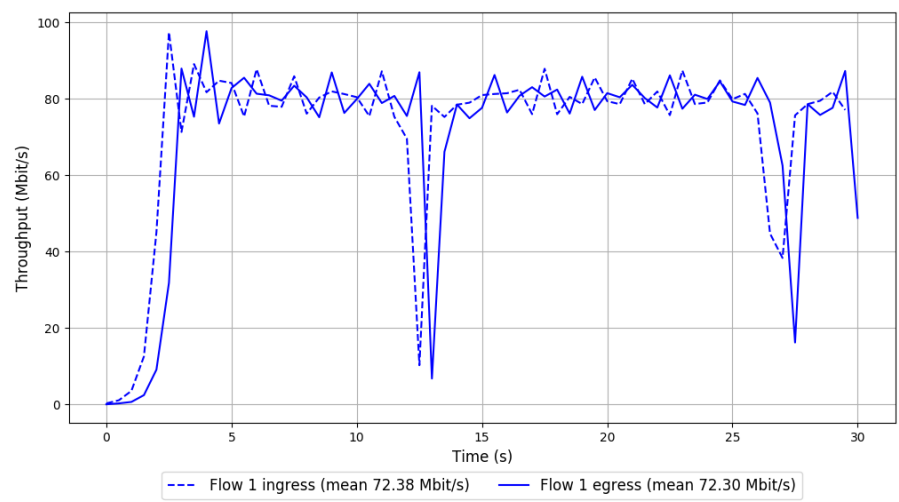
Run 1: Statistics of TCP BBR

Start at: 2018-05-25 09:30:29  
End at: 2018-05-25 09:30:59  
Local clock offset: -0.065 ms  
Remote clock offset: -0.192 ms

# Below is generated by plot.py at 2018-05-25 12:59:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 72.30 Mbit/s  
95th percentile per-packet one-way delay: 135.898 ms  
Loss rate: 1.08%  
-- Flow 1:  
Average throughput: 72.30 Mbit/s  
95th percentile per-packet one-way delay: 135.898 ms  
Loss rate: 1.08%



Run 1: Report of TCP BBR — Data Link

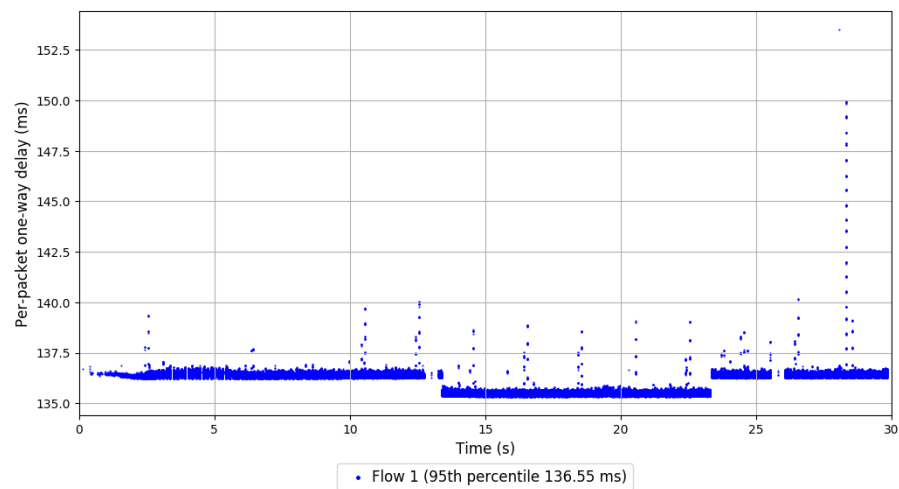
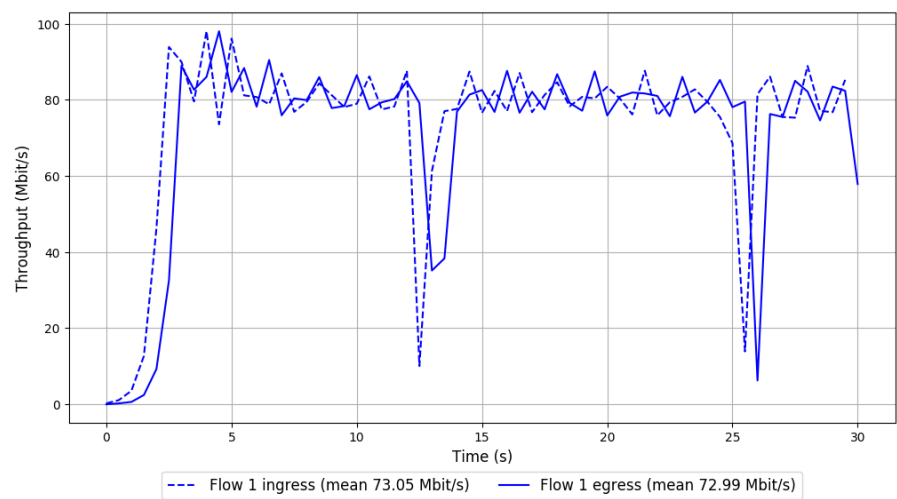


Run 2: Statistics of TCP BBR

Start at: 2018-05-25 09:51:37  
End at: 2018-05-25 09:52:07  
Local clock offset: 0.153 ms  
Remote clock offset: -0.558 ms

# Below is generated by plot.py at 2018-05-25 12:59:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 72.99 Mbit/s  
95th percentile per-packet one-way delay: 136.553 ms  
Loss rate: 0.98%  
-- Flow 1:  
Average throughput: 72.99 Mbit/s  
95th percentile per-packet one-way delay: 136.553 ms  
Loss rate: 0.98%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-05-25 10:13:00

End at: 2018-05-25 10:13:30

Local clock offset: 0.141 ms

Remote clock offset: 0.245 ms

# Below is generated by plot.py at 2018-05-25 12:59:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 75.58 Mbit/s

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

Loss rate: 0.94%

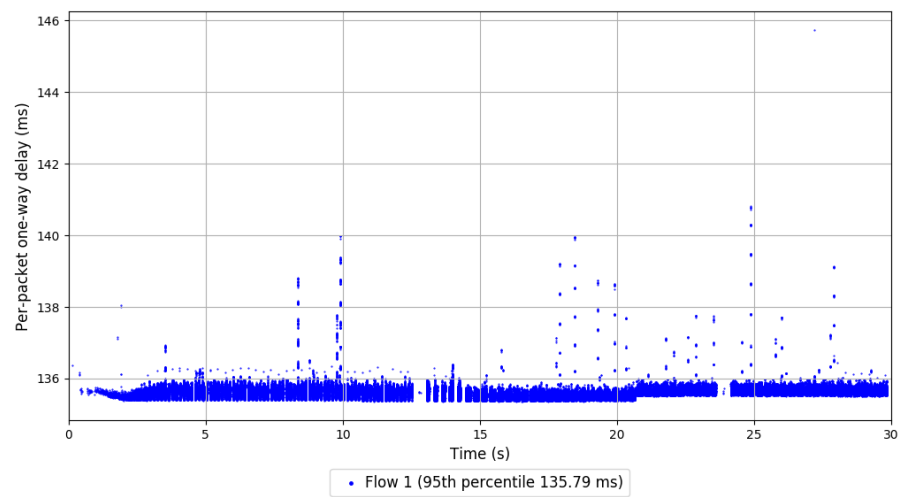
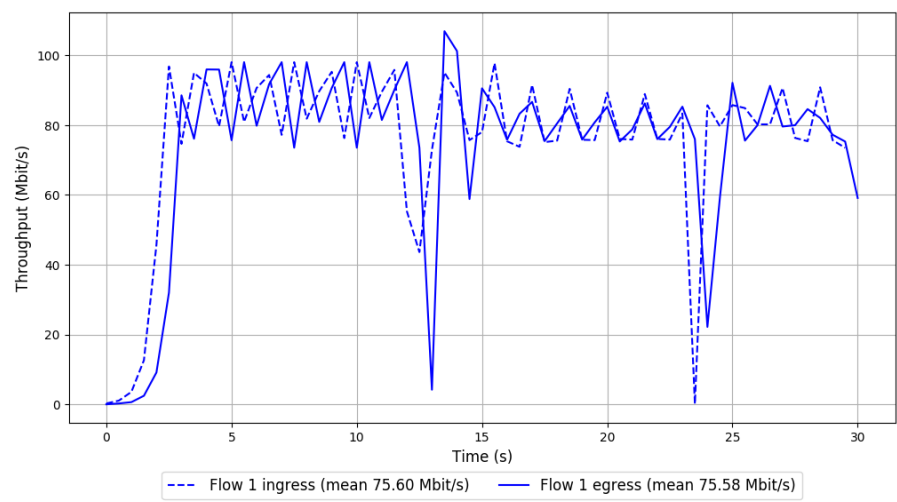
-- Flow 1:

Average throughput: 75.58 Mbit/s

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

Loss rate: 0.94%

Run 3: Report of TCP BBR — Data Link

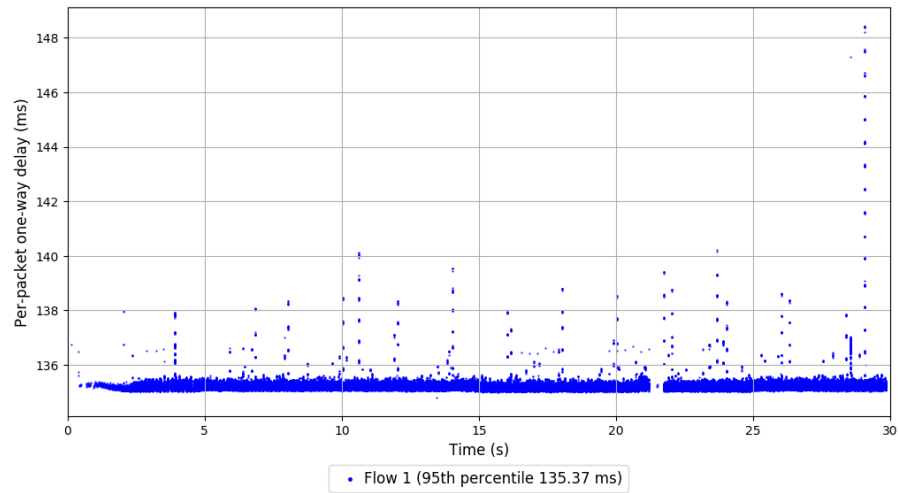
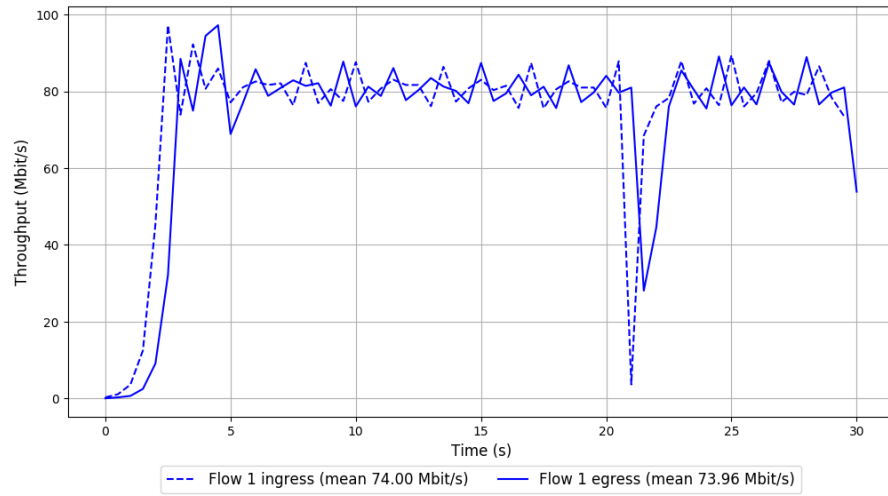


Run 4: Statistics of TCP BBR

Start at: 2018-05-25 10:34:06  
End at: 2018-05-25 10:34:36  
Local clock offset: -0.198 ms  
Remote clock offset: -0.623 ms

# Below is generated by plot.py at 2018-05-25 12:59:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 73.96 Mbit/s  
95th percentile per-packet one-way delay: 135.369 ms  
Loss rate: 0.97%  
-- Flow 1:  
Average throughput: 73.96 Mbit/s  
95th percentile per-packet one-way delay: 135.369 ms  
Loss rate: 0.97%

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



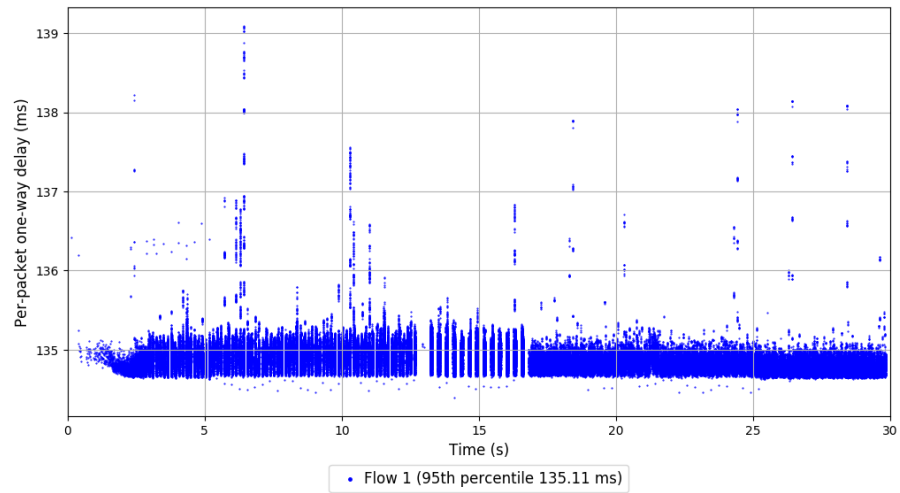
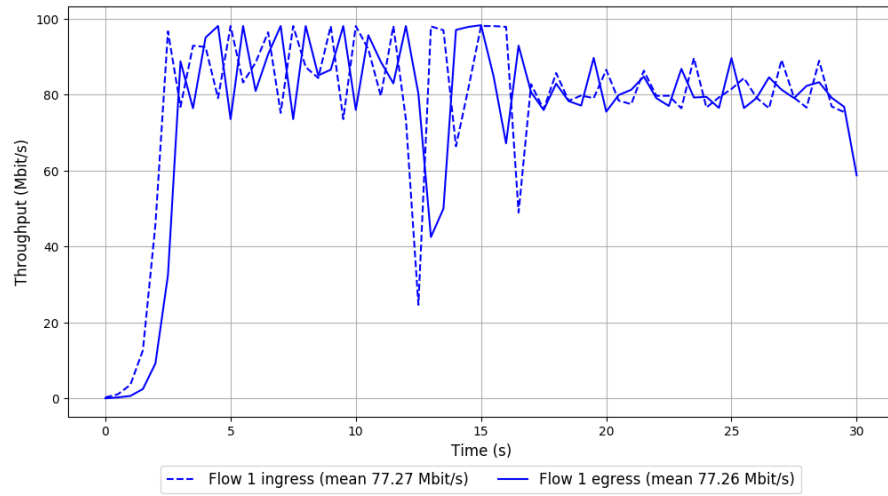
Run 5: Statistics of TCP BBR

Start at: 2018-05-25 10:55:06  
End at: 2018-05-25 10:55:36  
Local clock offset: -0.139 ms  
Remote clock offset: -0.188 ms

# Below is generated by plot.py at 2018-05-25 12:59:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 77.26 Mbit/s  
95th percentile per-packet one-way delay: 135.107 ms  
Loss rate: 0.93%  
-- Flow 1:  
Average throughput: 77.26 Mbit/s  
95th percentile per-packet one-way delay: 135.107 ms  
Loss rate: 0.93%



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

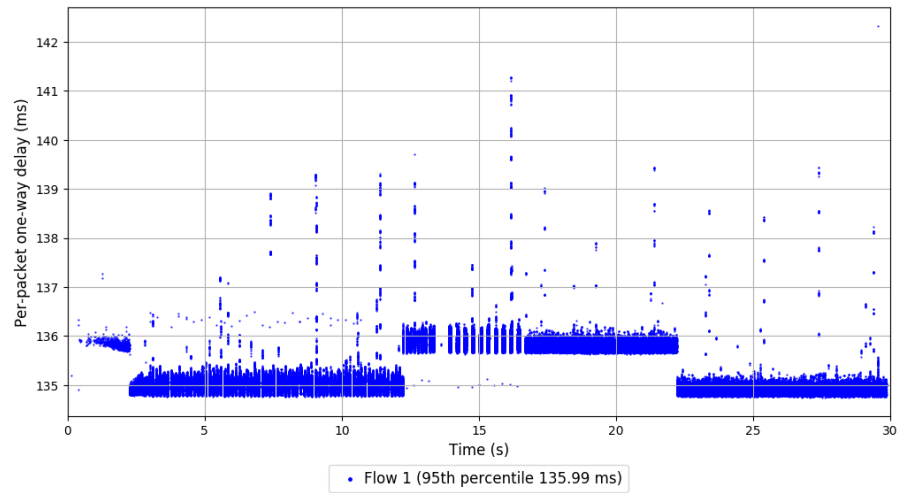
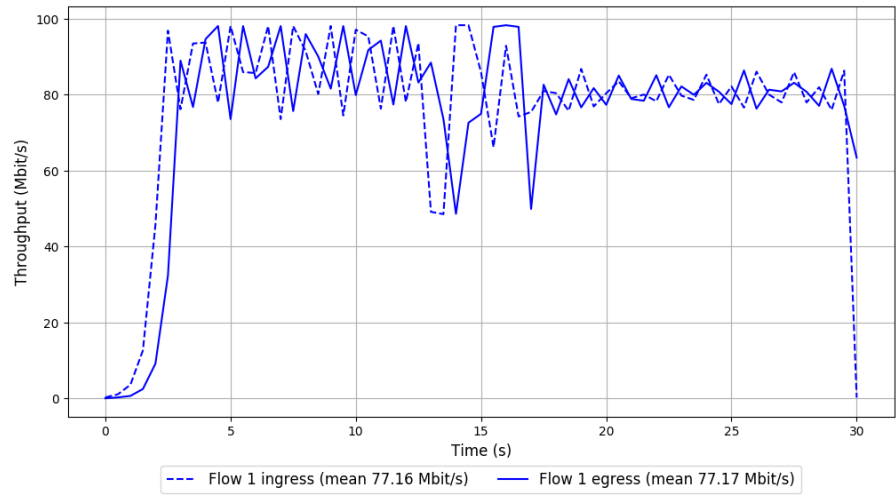


Run 6: Statistics of TCP BBR

Start at: 2018-05-25 11:16:19  
End at: 2018-05-25 11:16:49  
Local clock offset: 0.066 ms  
Remote clock offset: -0.175 ms

# Below is generated by plot.py at 2018-05-25 12:59:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 77.17 Mbit/s  
95th percentile per-packet one-way delay: 135.985 ms  
Loss rate: 0.89%  
-- Flow 1:  
Average throughput: 77.17 Mbit/s  
95th percentile per-packet one-way delay: 135.985 ms  
Loss rate: 0.89%

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

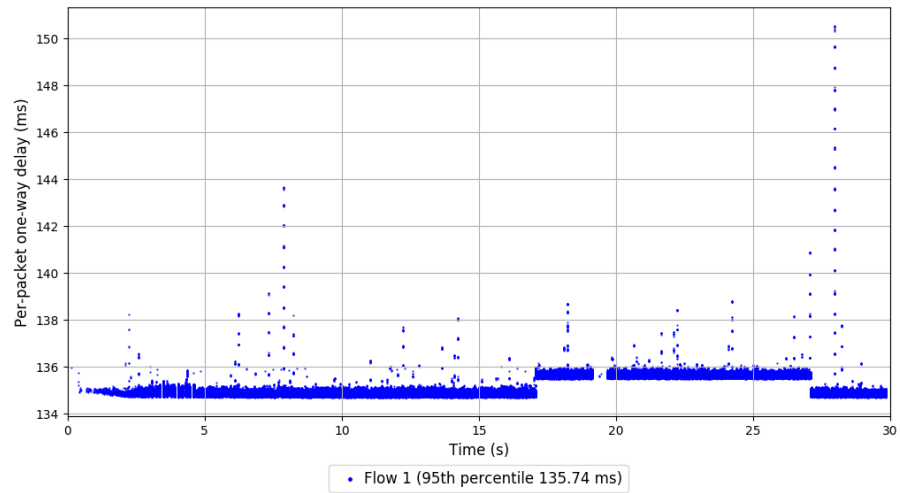
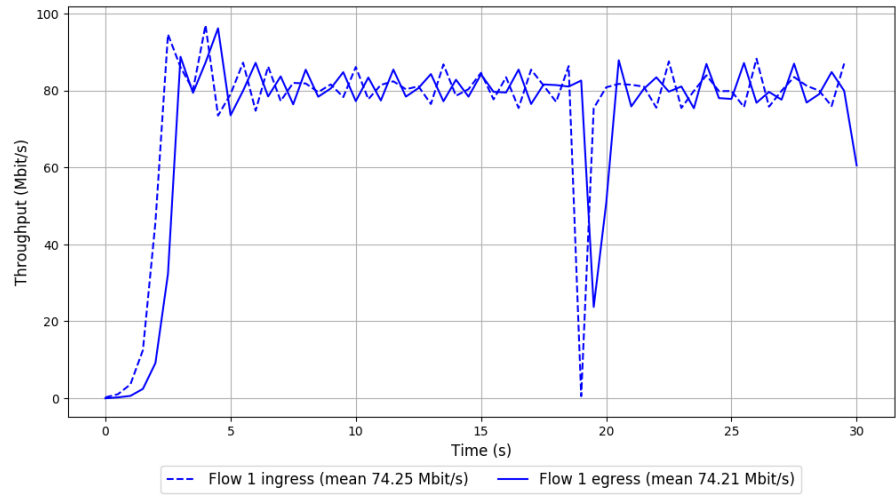


Run 7: Statistics of TCP BBR

Start at: 2018-05-25 11:37:54  
End at: 2018-05-25 11:38:24  
Local clock offset: -0.106 ms  
Remote clock offset: -0.191 ms

# Below is generated by plot.py at 2018-05-25 12:59:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 74.21 Mbit/s  
95th percentile per-packet one-way delay: 135.738 ms  
Loss rate: 0.97%  
-- Flow 1:  
Average throughput: 74.21 Mbit/s  
95th percentile per-packet one-way delay: 135.738 ms  
Loss rate: 0.97%

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

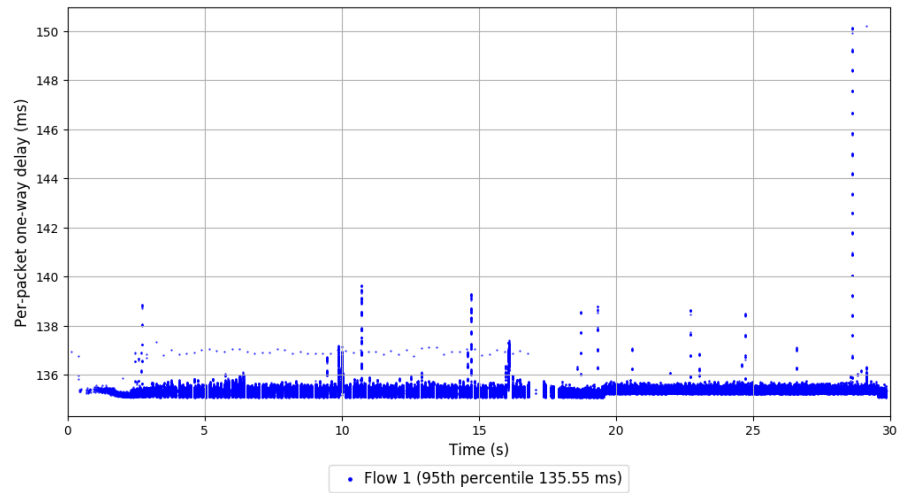
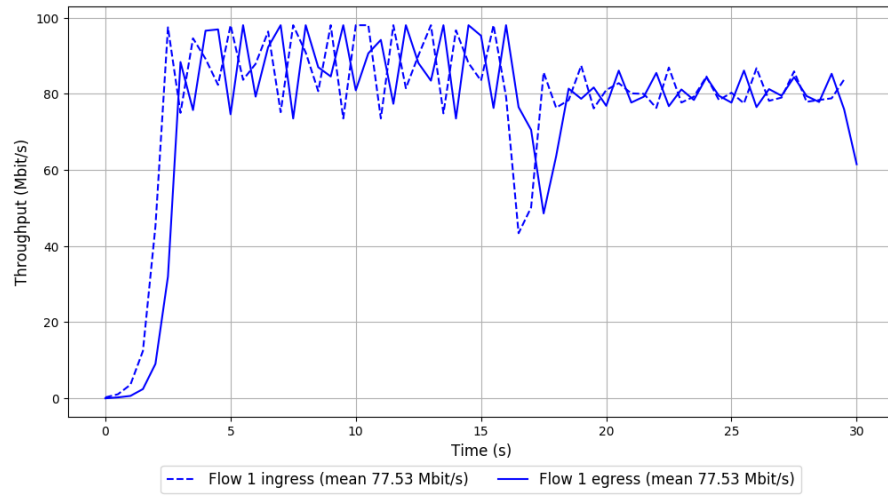


Run 8: Statistics of TCP BBR

Start at: 2018-05-25 11:59:21  
End at: 2018-05-25 11:59:51  
Local clock offset: 0.401 ms  
Remote clock offset: -0.186 ms

# Below is generated by plot.py at 2018-05-25 12:59:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 77.53 Mbit/s  
95th percentile per-packet one-way delay: 135.550 ms  
Loss rate: 0.92%  
-- Flow 1:  
Average throughput: 77.53 Mbit/s  
95th percentile per-packet one-way delay: 135.550 ms  
Loss rate: 0.92%

# Run 8: Report of TCP BBR — Data Link



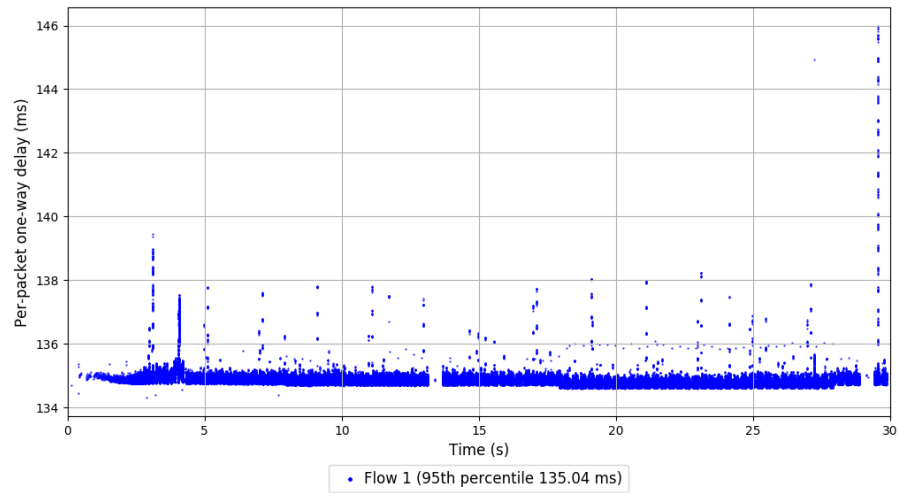
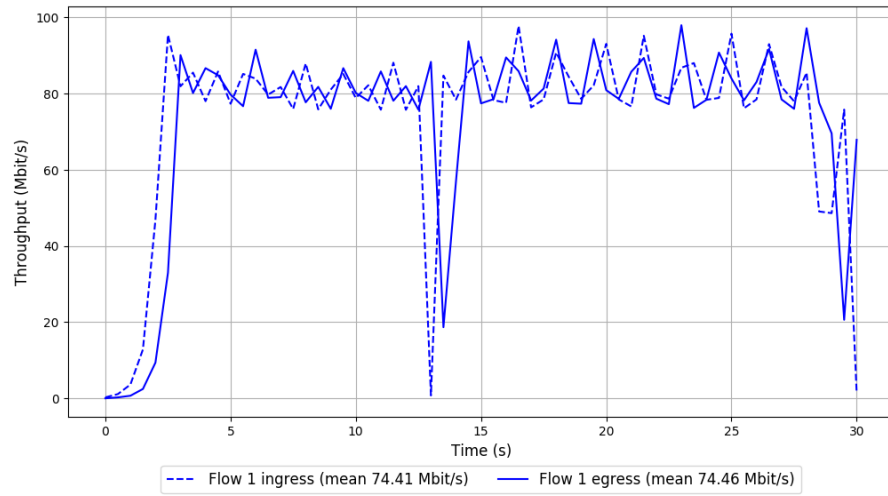
Run 9: Statistics of TCP BBR

Start at: 2018-05-25 12:20:53  
End at: 2018-05-25 12:21:23  
Local clock offset: -0.141 ms  
Remote clock offset: -0.271 ms

# Below is generated by plot.py at 2018-05-25 13:00:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 74.46 Mbit/s  
95th percentile per-packet one-way delay: 135.039 ms  
Loss rate: 0.83%  
-- Flow 1:  
Average throughput: 74.46 Mbit/s  
95th percentile per-packet one-way delay: 135.039 ms  
Loss rate: 0.83%



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

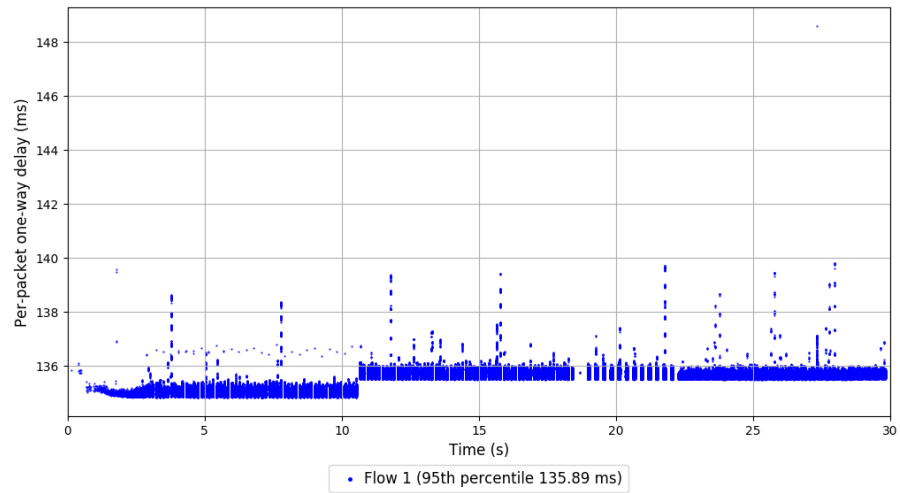
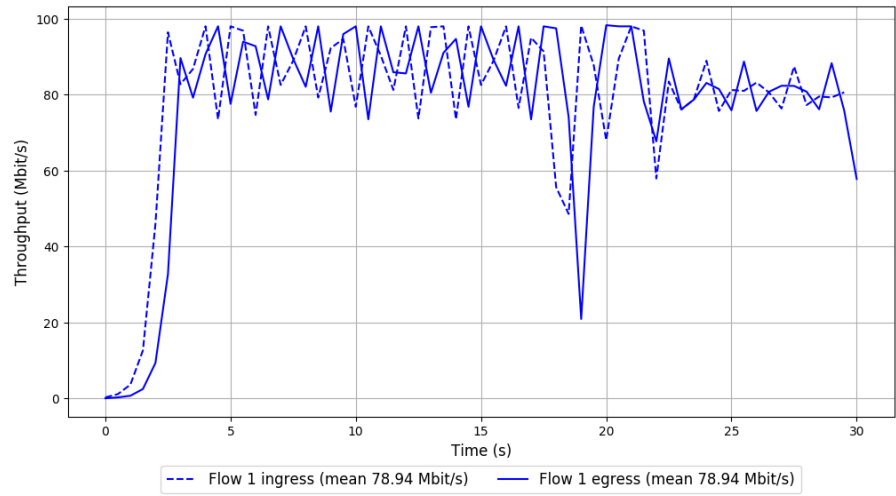


Run 10: Statistics of TCP BBR

Start at: 2018-05-25 12:42:20  
End at: 2018-05-25 12:42:50  
Local clock offset: -0.018 ms  
Remote clock offset: -0.247 ms

# Below is generated by plot.py at 2018-05-25 13:00:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.94 Mbit/s  
95th percentile per-packet one-way delay: 135.894 ms  
Loss rate: 0.90%  
-- Flow 1:  
Average throughput: 78.94 Mbit/s  
95th percentile per-packet one-way delay: 135.894 ms  
Loss rate: 0.90%

### Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-05-25 09:19:50

End at: 2018-05-25 09:20:20

Local clock offset: -0.176 ms

Remote clock offset: -0.27 ms

# Below is generated by plot.py at 2018-05-25 13:03:55

# Datalink statistics

-- Total of 1 flow:

Average throughput: 167.29 Mbit/s

95th percentile per-packet one-way delay: 140.969 ms

Loss rate: 0.86%

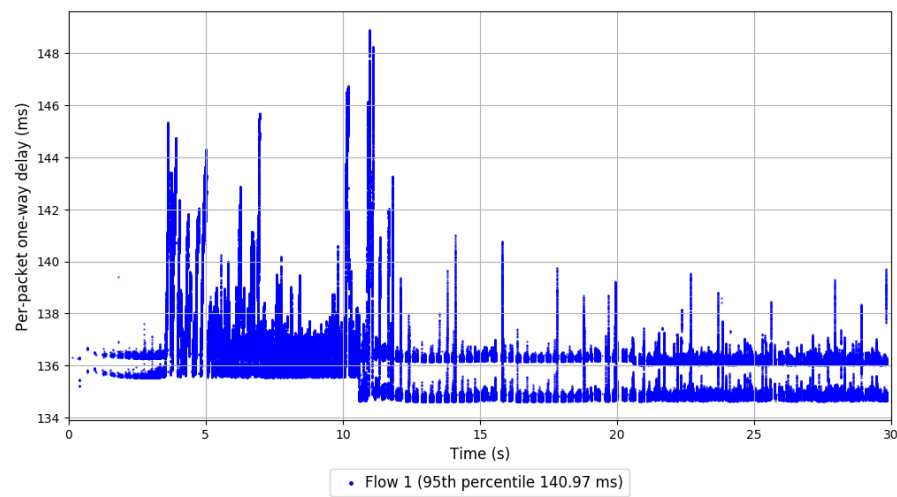
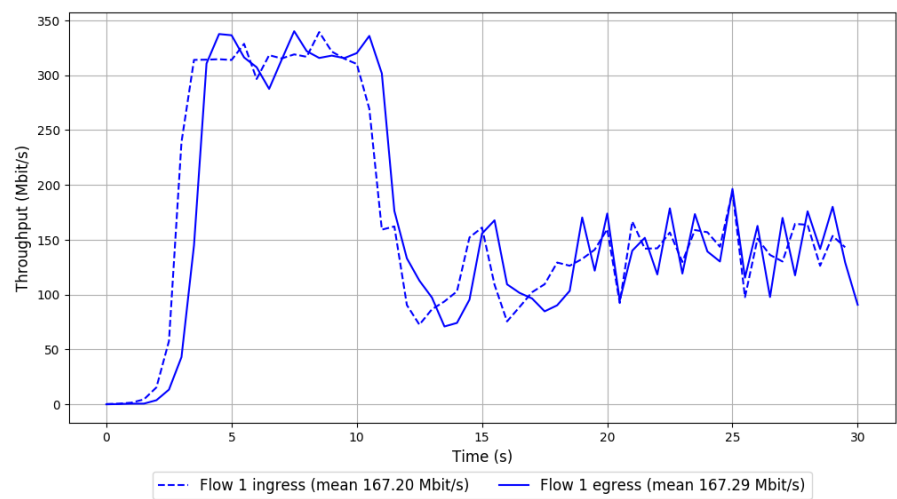
-- Flow 1:

Average throughput: 167.29 Mbit/s

95th percentile per-packet one-way delay: 140.969 ms

Loss rate: 0.86%

Run 1: Report of Copa — Data Link

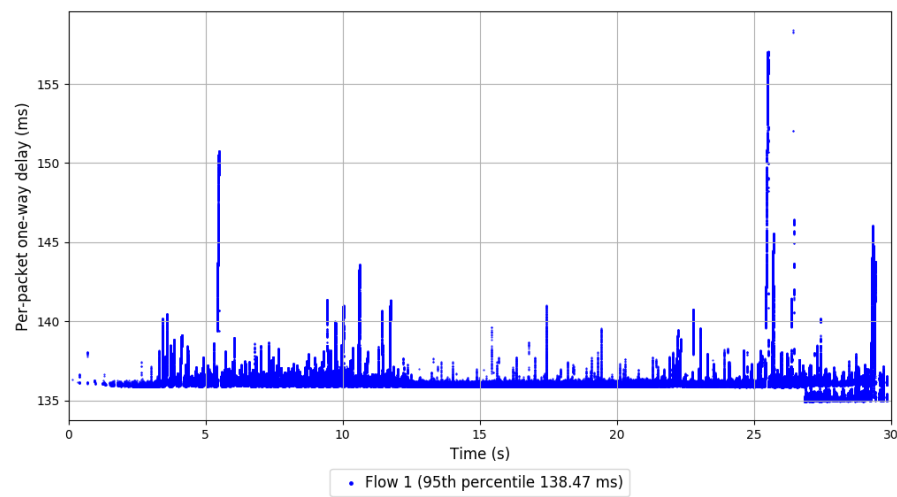
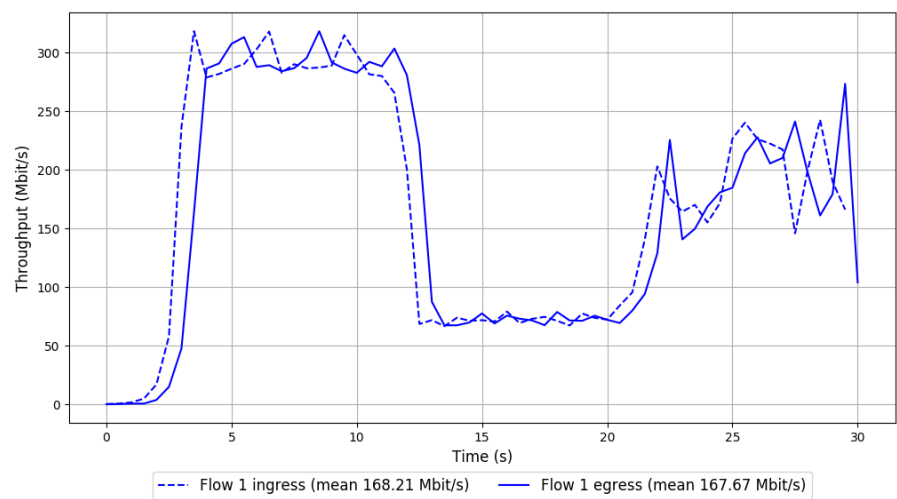


Run 2: Statistics of Copa

Start at: 2018-05-25 09:41:07  
End at: 2018-05-25 09:41:37  
Local clock offset: 0.173 ms  
Remote clock offset: -0.232 ms

# Below is generated by plot.py at 2018-05-25 13:03:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 167.67 Mbit/s  
95th percentile per-packet one-way delay: 138.466 ms  
Loss rate: 0.91%  
-- Flow 1:  
Average throughput: 167.67 Mbit/s  
95th percentile per-packet one-way delay: 138.466 ms  
Loss rate: 0.91%

Run 2: Report of Copa — Data Link



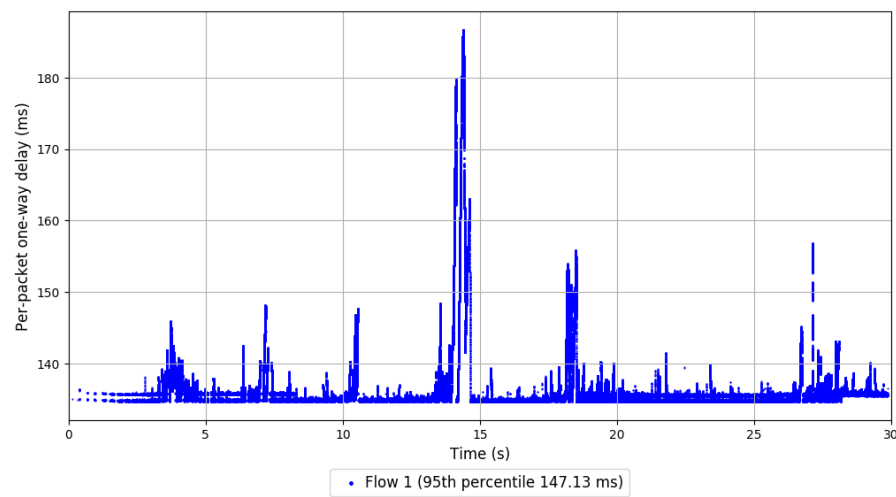
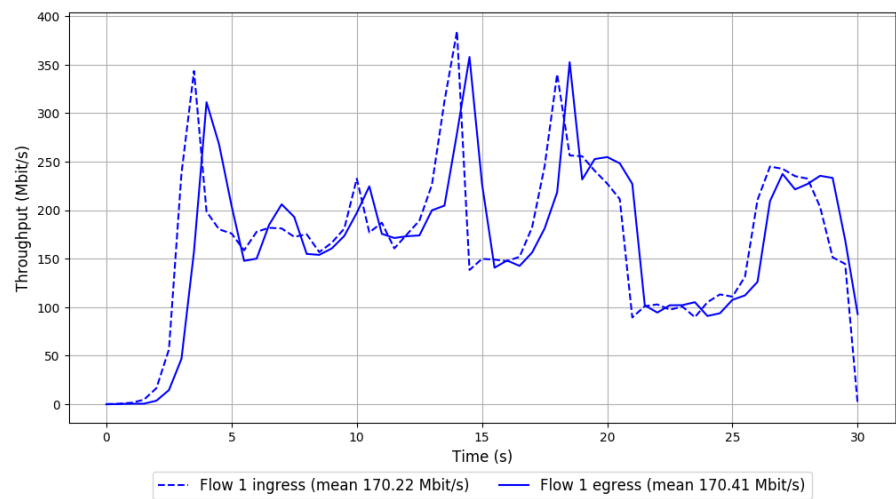
Run 3: Statistics of Copa

Start at: 2018-05-25 10:02:13  
End at: 2018-05-25 10:02:43  
Local clock offset: -0.099 ms  
Remote clock offset: -0.12 ms

# Below is generated by plot.py at 2018-05-25 13:04:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 170.41 Mbit/s  
95th percentile per-packet one-way delay: 147.128 ms  
Loss rate: 0.79%  
-- Flow 1:  
Average throughput: 170.41 Mbit/s  
95th percentile per-packet one-way delay: 147.128 ms  
Loss rate: 0.79%



Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-05-25 10:23:35

End at: 2018-05-25 10:24:05

Local clock offset: -0.117 ms

Remote clock offset: -0.54 ms

# Below is generated by plot.py at 2018-05-25 13:06:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 240.72 Mbit/s

95th percentile per-packet one-way delay: 139.265 ms

Loss rate: 0.69%

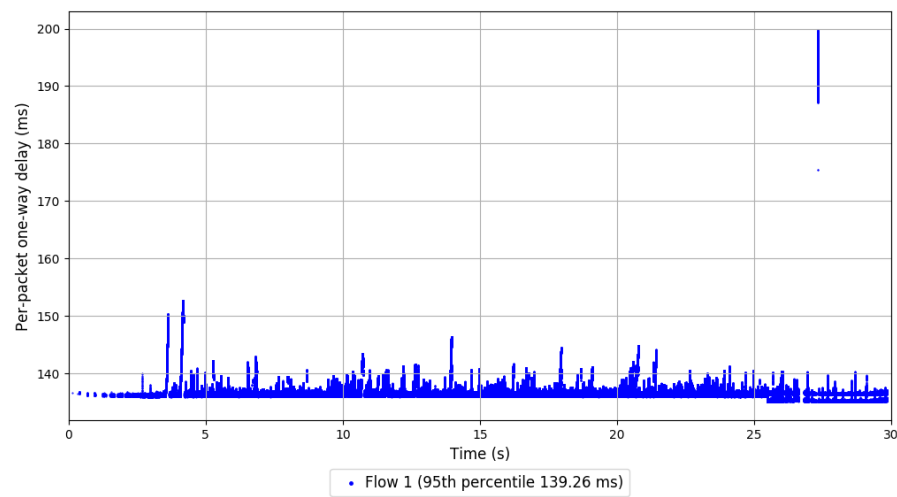
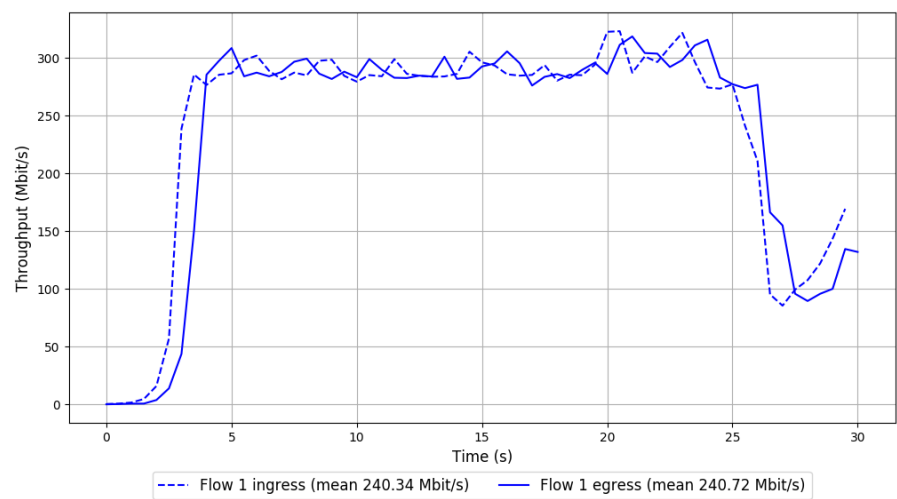
-- Flow 1:

Average throughput: 240.72 Mbit/s

95th percentile per-packet one-way delay: 139.265 ms

Loss rate: 0.69%

Run 4: Report of Copa — Data Link

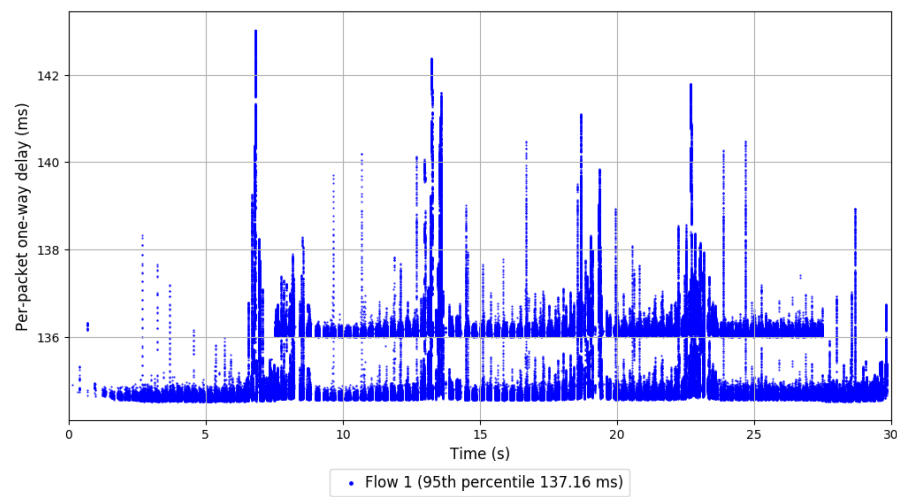
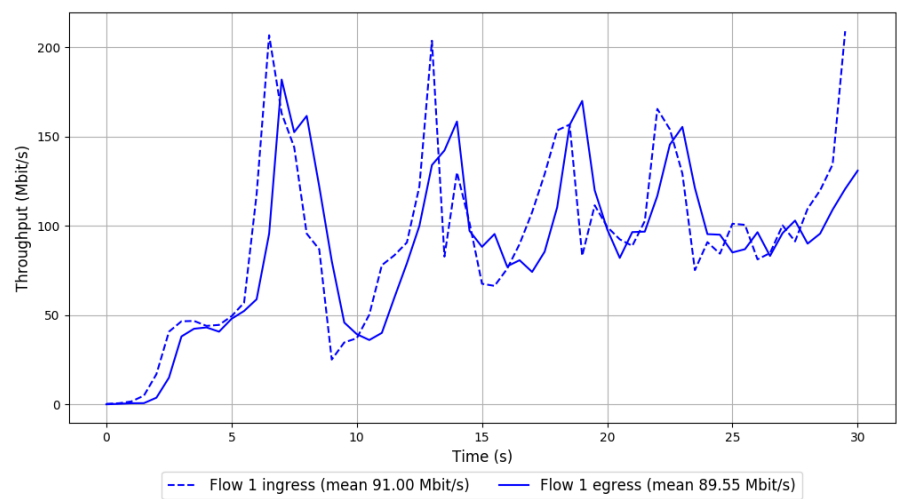


Run 5: Statistics of Copa

Start at: 2018-05-25 10:44:53  
End at: 2018-05-25 10:45:23  
Local clock offset: -0.26 ms  
Remote clock offset: -0.225 ms

# Below is generated by plot.py at 2018-05-25 13:06:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.55 Mbit/s  
95th percentile per-packet one-way delay: 137.160 ms  
Loss rate: 2.48%  
-- Flow 1:  
Average throughput: 89.55 Mbit/s  
95th percentile per-packet one-way delay: 137.160 ms  
Loss rate: 2.48%

Run 5: Report of Copa — Data Link

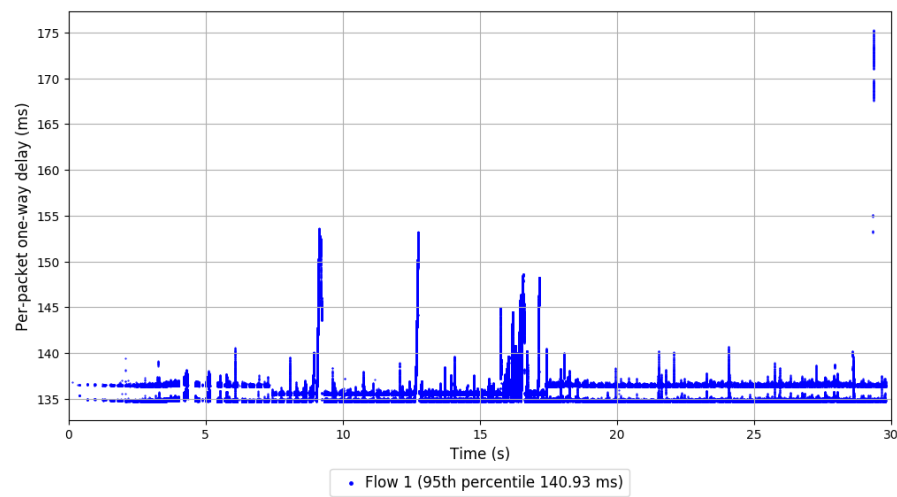
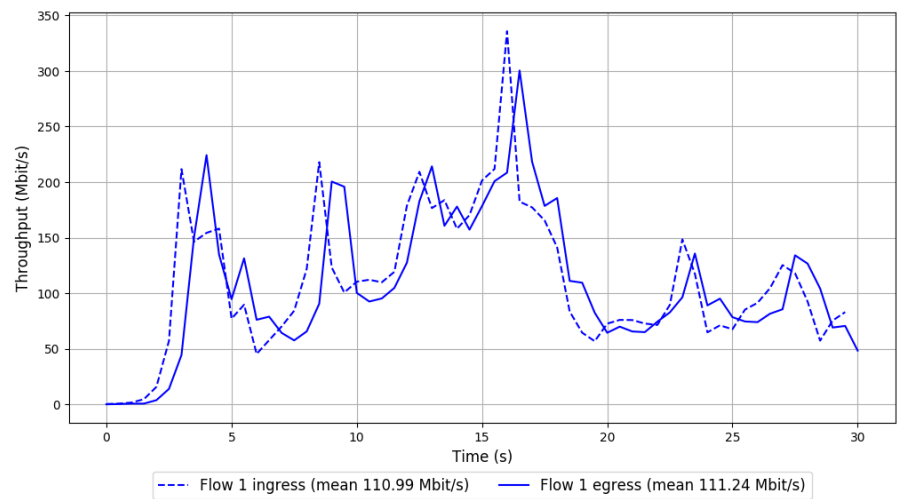


Run 6: Statistics of Copa

Start at: 2018-05-25 11:05:42  
End at: 2018-05-25 11:06:12  
Local clock offset: 0.029 ms  
Remote clock offset: -0.166 ms

# Below is generated by plot.py at 2018-05-25 13:06:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 111.24 Mbit/s  
95th percentile per-packet one-way delay: 140.932 ms  
Loss rate: 0.70%  
-- Flow 1:  
Average throughput: 111.24 Mbit/s  
95th percentile per-packet one-way delay: 140.932 ms  
Loss rate: 0.70%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-05-25 11:27:00

End at: 2018-05-25 11:27:30

Local clock offset: 0.046 ms

Remote clock offset: 0.232 ms

# Below is generated by plot.py at 2018-05-25 13:06:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 200.37 Mbit/s

95th percentile per-packet one-way delay: 140.682 ms

Loss rate: 1.02%

-- Flow 1:

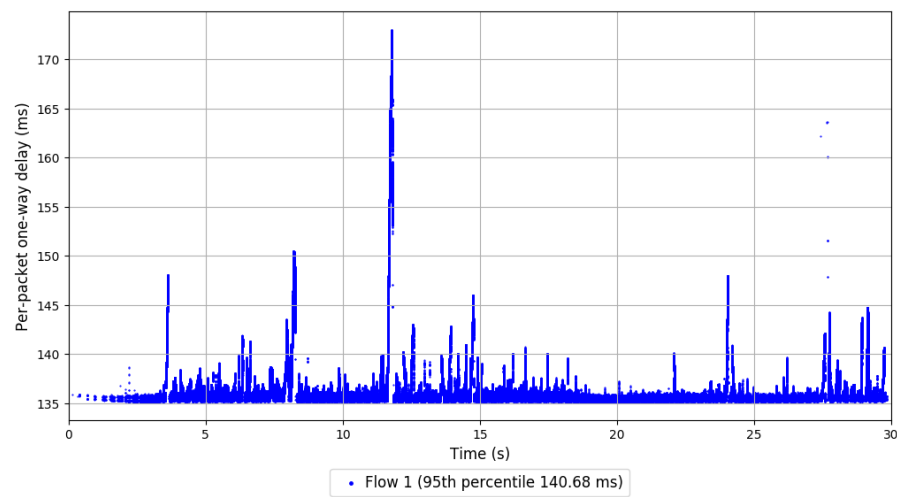
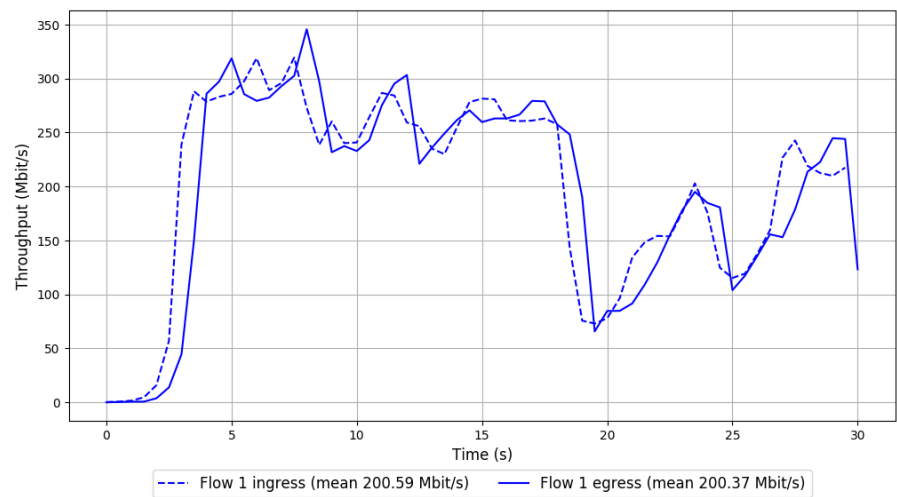
Average throughput: 200.37 Mbit/s

95th percentile per-packet one-way delay: 140.682 ms

Loss rate: 1.02%



Run 7: Report of Copa — Data Link

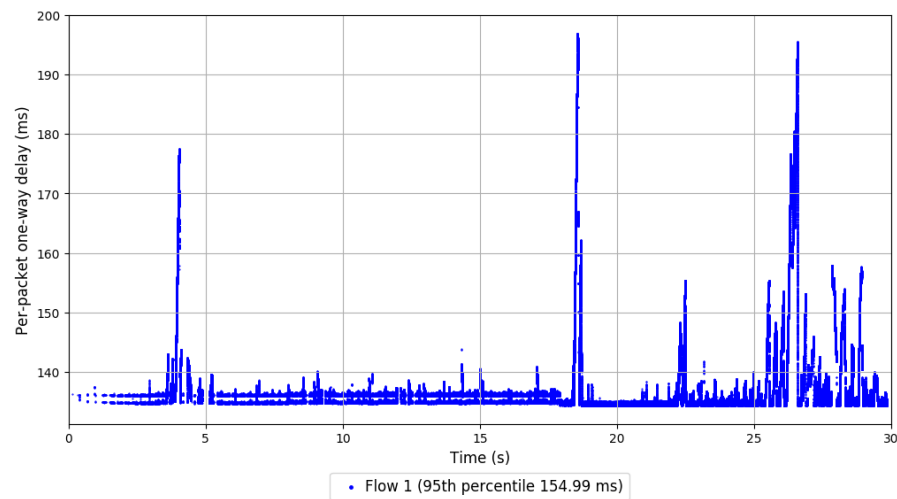
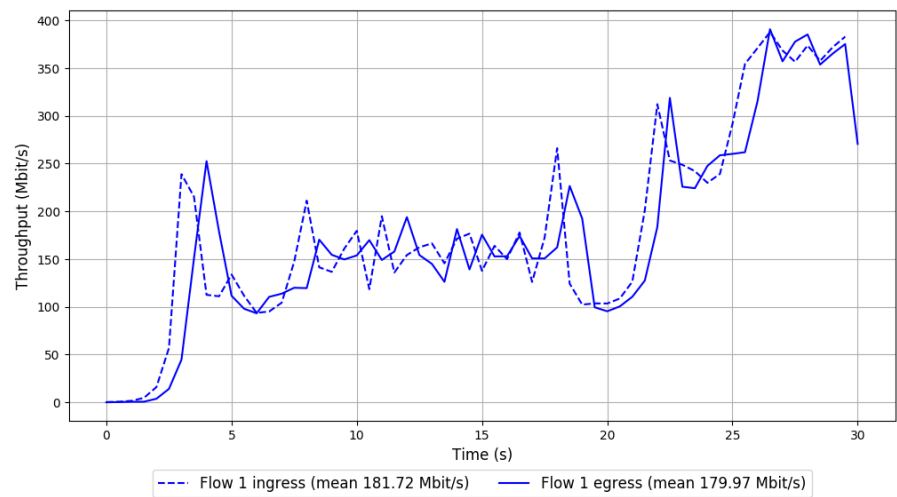


Run 8: Statistics of Copa

Start at: 2018-05-25 11:48:43  
End at: 2018-05-25 11:49:13  
Local clock offset: 0.011 ms  
Remote clock offset: -0.193 ms

# Below is generated by plot.py at 2018-05-25 13:06:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 179.97 Mbit/s  
95th percentile per-packet one-way delay: 154.991 ms  
Loss rate: 1.86%  
-- Flow 1:  
Average throughput: 179.97 Mbit/s  
95th percentile per-packet one-way delay: 154.991 ms  
Loss rate: 1.86%

Run 8: Report of Copa — Data Link

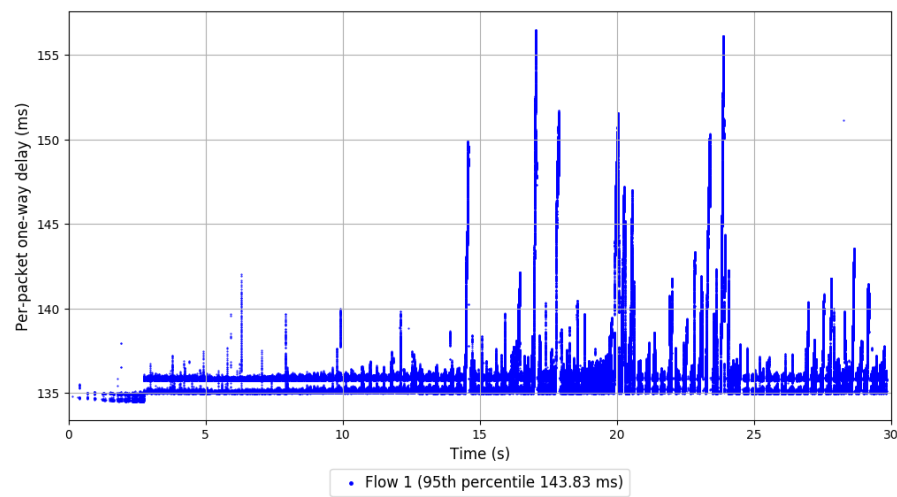
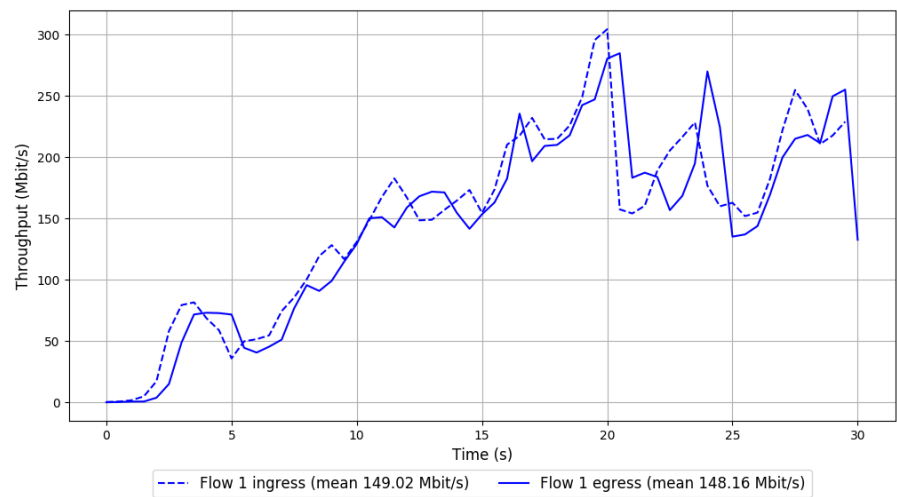


Run 9: Statistics of Copa

Start at: 2018-05-25 12:10:08  
End at: 2018-05-25 12:10:38  
Local clock offset: 0.161 ms  
Remote clock offset: -0.226 ms

# Below is generated by plot.py at 2018-05-25 13:06:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 148.16 Mbit/s  
95th percentile per-packet one-way delay: 143.830 ms  
Loss rate: 1.42%  
-- Flow 1:  
Average throughput: 148.16 Mbit/s  
95th percentile per-packet one-way delay: 143.830 ms  
Loss rate: 1.42%

Run 9: Report of Copa — Data Link

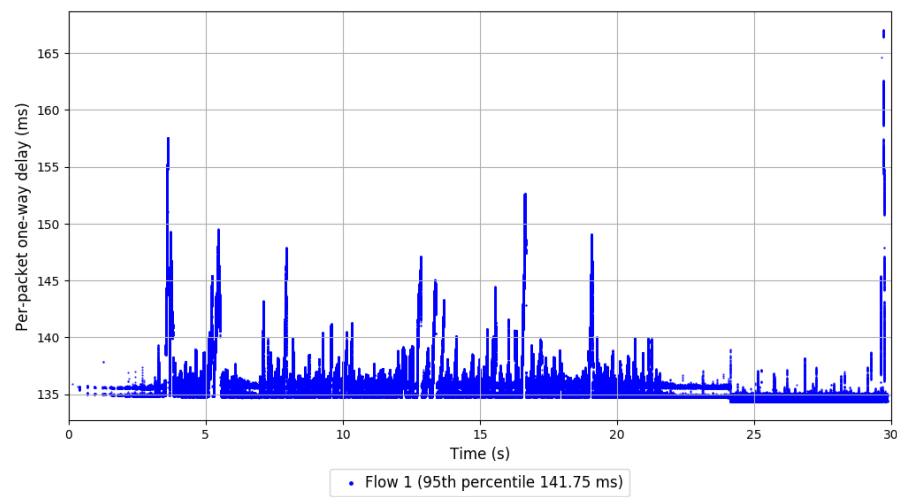
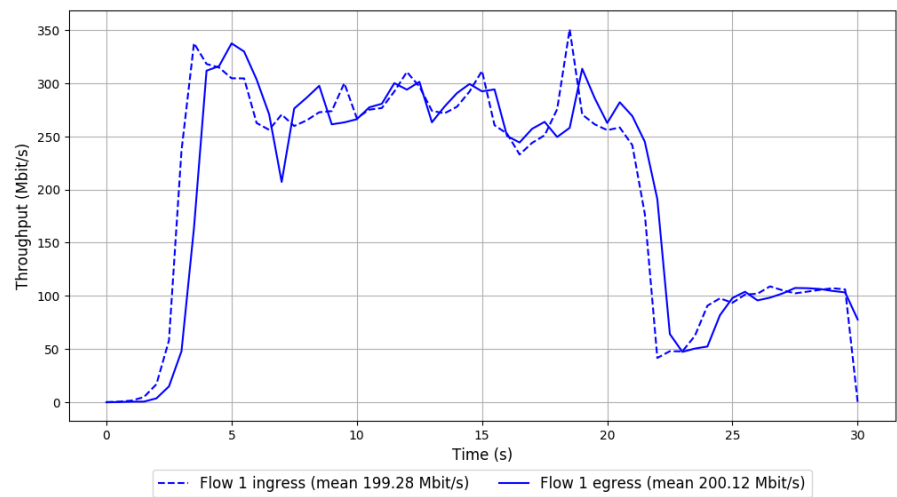


Run 10: Statistics of Copa

Start at: 2018-05-25 12:31:27  
End at: 2018-05-25 12:31:57  
Local clock offset: 0.047 ms  
Remote clock offset: -0.231 ms

# Below is generated by plot.py at 2018-05-25 13:09:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 200.12 Mbit/s  
95th percentile per-packet one-way delay: 141.749 ms  
Loss rate: 0.49%  
-- Flow 1:  
Average throughput: 200.12 Mbit/s  
95th percentile per-packet one-way delay: 141.749 ms  
Loss rate: 0.49%

Run 10: Report of Copa — Data Link



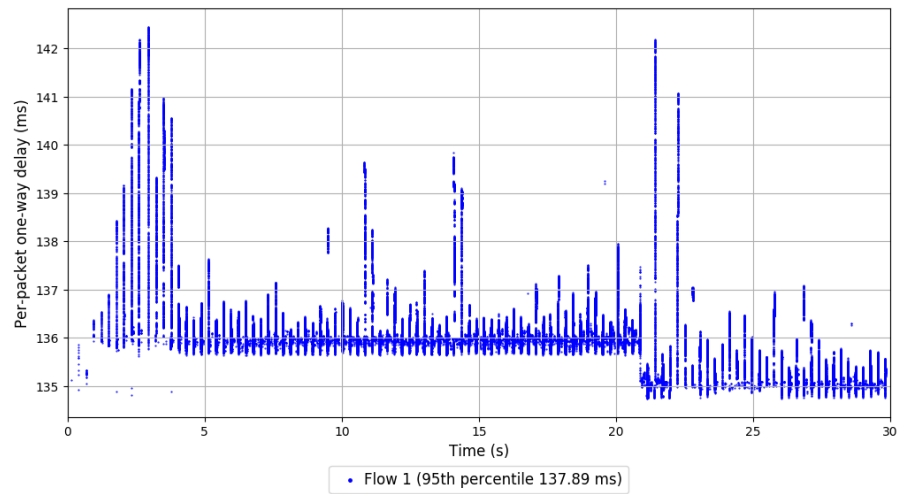
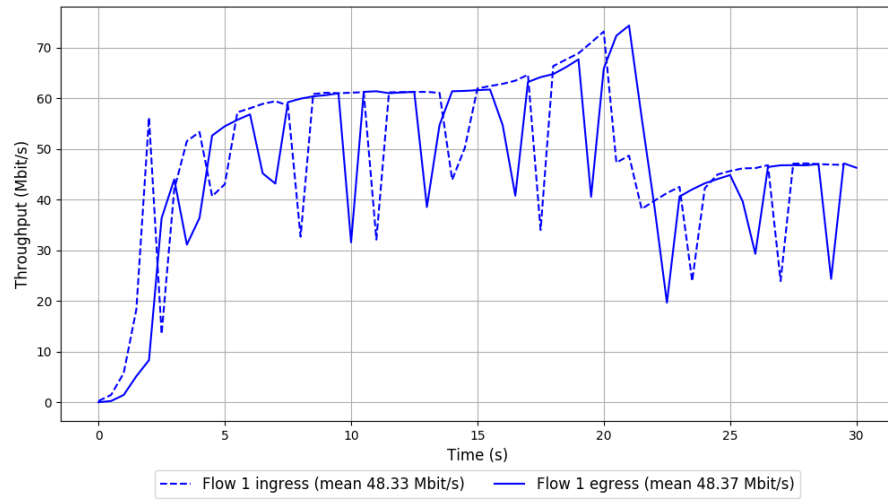
Run 1: Statistics of TCP Cubic

Start at: 2018-05-25 09:17:30  
End at: 2018-05-25 09:18:00  
Local clock offset: -0.029 ms  
Remote clock offset: -0.236 ms

# Below is generated by plot.py at 2018-05-25 13:09:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 48.37 Mbit/s  
95th percentile per-packet one-way delay: 137.886 ms  
Loss rate: 0.81%  
-- Flow 1:  
Average throughput: 48.37 Mbit/s  
95th percentile per-packet one-way delay: 137.886 ms  
Loss rate: 0.81%



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

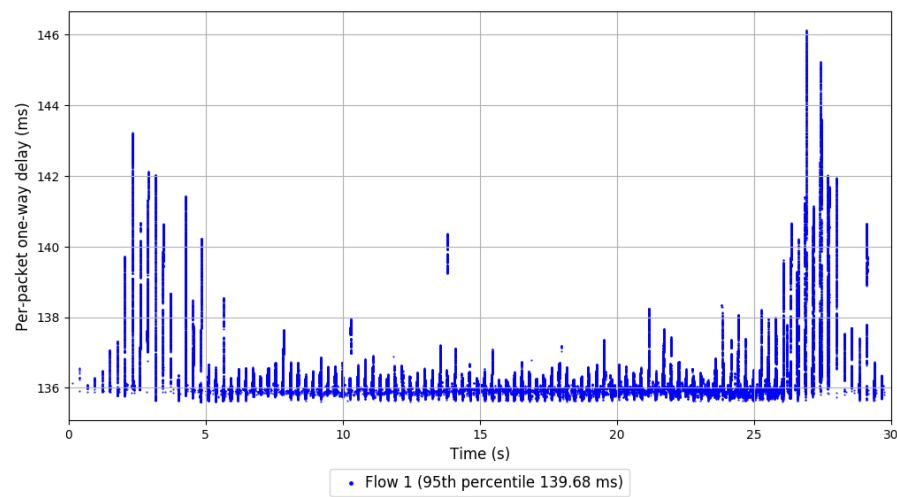
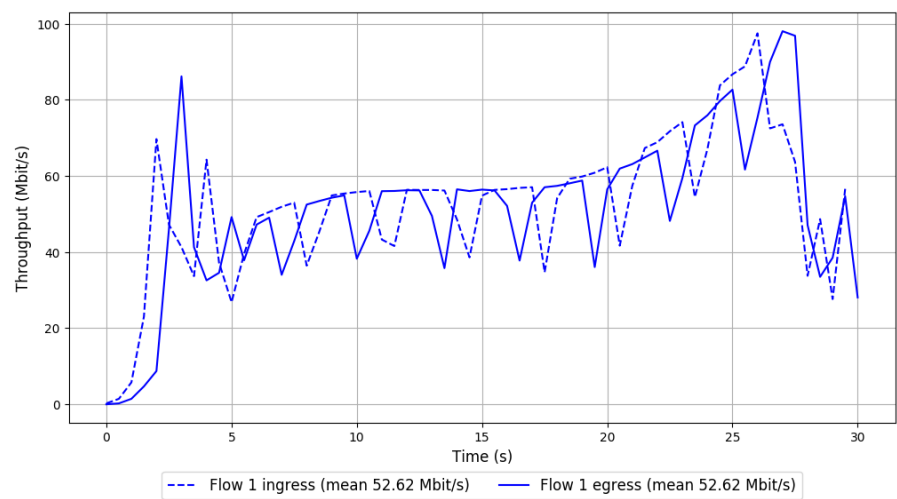


Run 2: Statistics of TCP Cubic

Start at: 2018-05-25 09:38:46  
End at: 2018-05-25 09:39:16  
Local clock offset: -0.015 ms  
Remote clock offset: -0.212 ms

# Below is generated by plot.py at 2018-05-25 13:09:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 52.62 Mbit/s  
95th percentile per-packet one-way delay: 139.679 ms  
Loss rate: 0.91%  
-- Flow 1:  
Average throughput: 52.62 Mbit/s  
95th percentile per-packet one-way delay: 139.679 ms  
Loss rate: 0.91%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-05-25 09:59:51

End at: 2018-05-25 10:00:21

Local clock offset: -0.036 ms

Remote clock offset: -0.19 ms

# Below is generated by plot.py at 2018-05-25 13:09:18

# Datalink statistics

-- Total of 1 flow:

Average throughput: 69.67 Mbit/s

95th percentile per-packet one-way delay: 145.099 ms

Loss rate: 0.76%

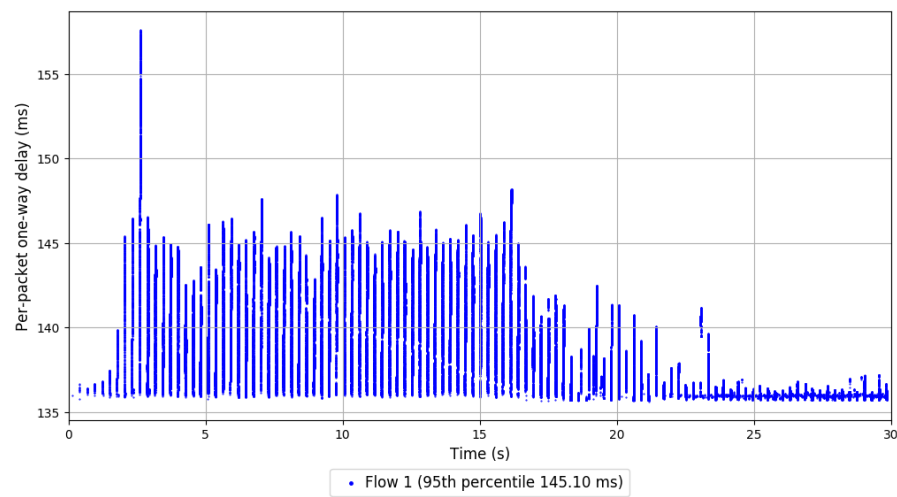
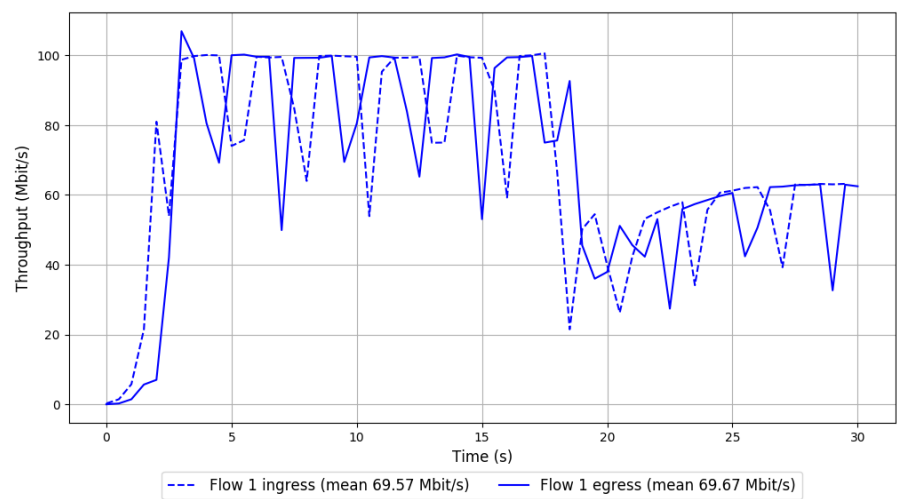
-- Flow 1:

Average throughput: 69.67 Mbit/s

95th percentile per-packet one-way delay: 145.099 ms

Loss rate: 0.76%

Run 3: Report of TCP Cubic — Data Link

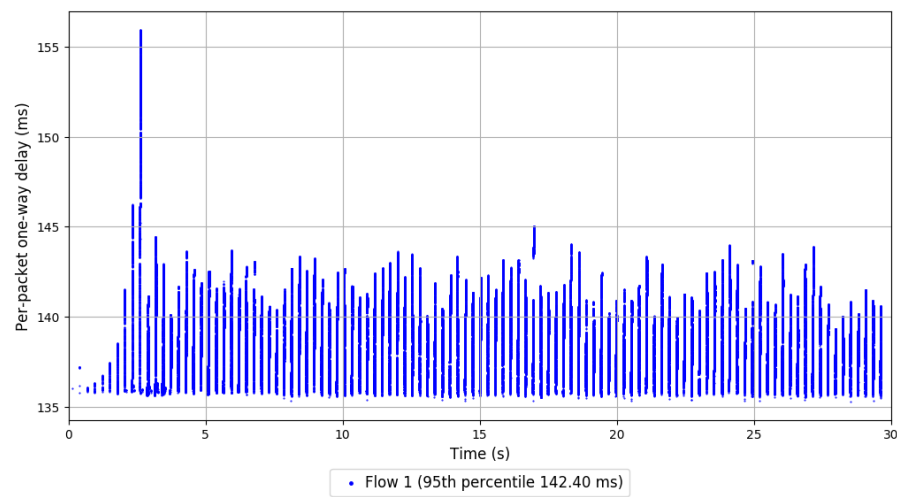
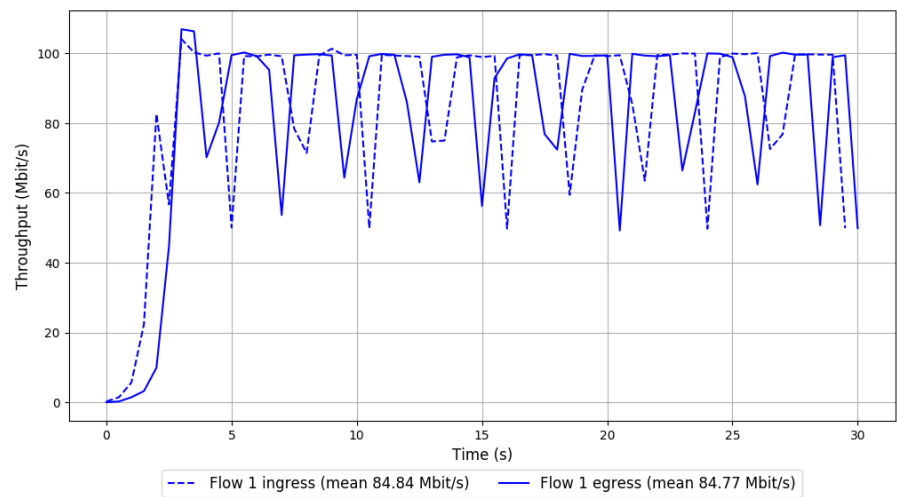


Run 4: Statistics of TCP Cubic

Start at: 2018-05-25 10:21:13  
End at: 2018-05-25 10:21:43  
Local clock offset: -0.116 ms  
Remote clock offset: -0.163 ms

# Below is generated by plot.py at 2018-05-25 13:09:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.77 Mbit/s  
95th percentile per-packet one-way delay: 142.403 ms  
Loss rate: 0.99%  
-- Flow 1:  
Average throughput: 84.77 Mbit/s  
95th percentile per-packet one-way delay: 142.403 ms  
Loss rate: 0.99%

Run 4: Report of TCP Cubic — Data Link



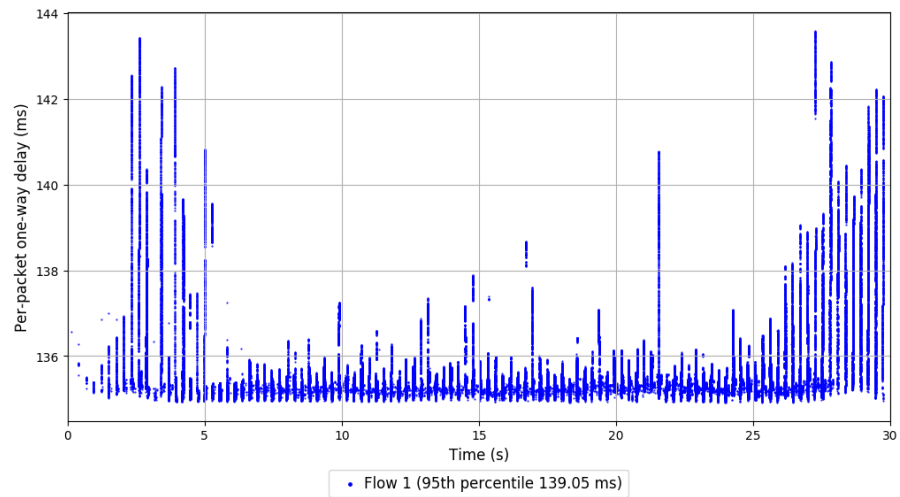
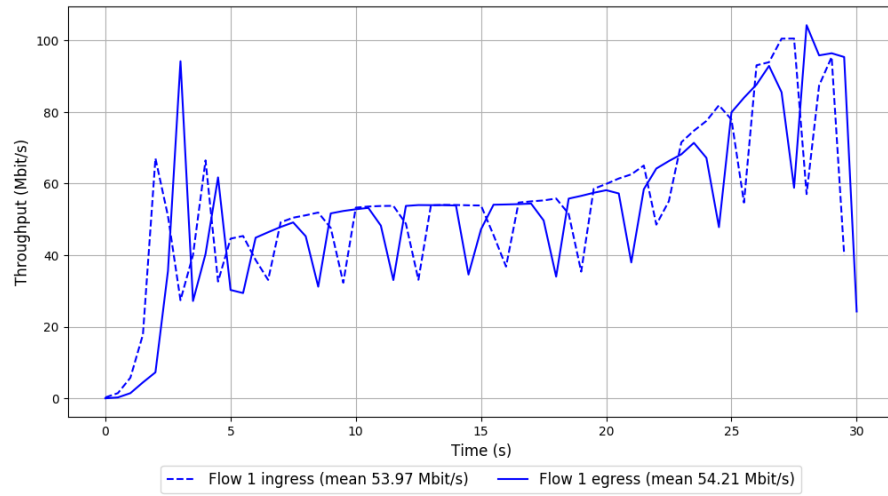
Run 5: Statistics of TCP Cubic

Start at: 2018-05-25 10:42:33  
End at: 2018-05-25 10:43:03  
Local clock offset: -0.318 ms  
Remote clock offset: -0.659 ms

# Below is generated by plot.py at 2018-05-25 13:09:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 54.21 Mbit/s  
95th percentile per-packet one-way delay: 139.046 ms  
Loss rate: 0.49%  
-- Flow 1:  
Average throughput: 54.21 Mbit/s  
95th percentile per-packet one-way delay: 139.046 ms  
Loss rate: 0.49%



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

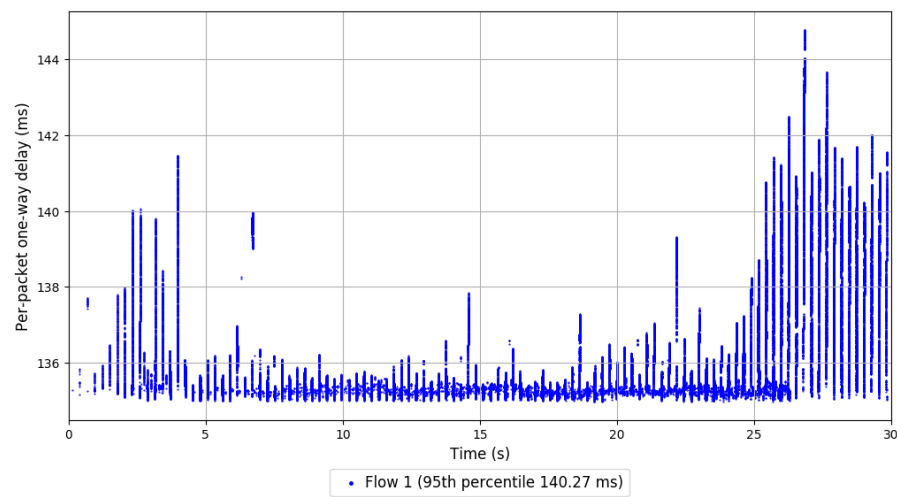
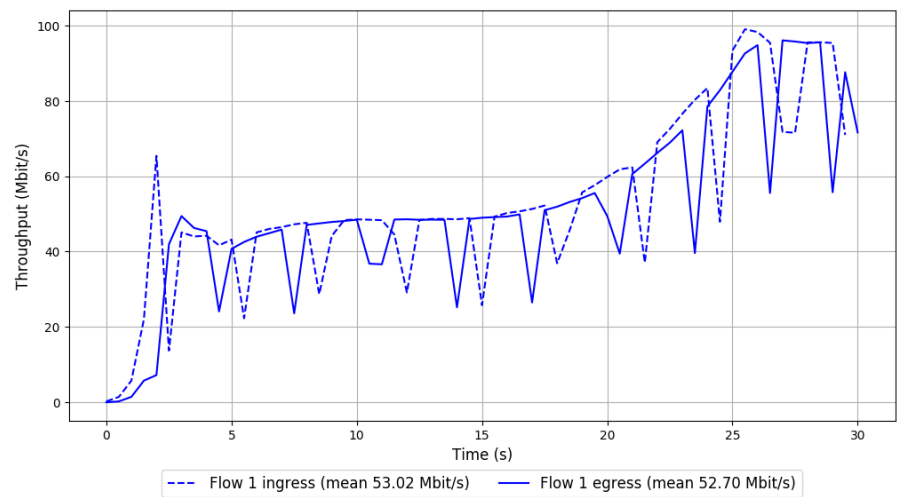


Run 6: Statistics of TCP Cubic

Start at: 2018-05-25 11:03:22  
End at: 2018-05-25 11:03:52  
Local clock offset: -0.139 ms  
Remote clock offset: -0.573 ms

# Below is generated by plot.py at 2018-05-25 13:09:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 52.70 Mbit/s  
95th percentile per-packet one-way delay: 140.273 ms  
Loss rate: 1.48%  
-- Flow 1:  
Average throughput: 52.70 Mbit/s  
95th percentile per-packet one-way delay: 140.273 ms  
Loss rate: 1.48%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-05-25 11:24:39

End at: 2018-05-25 11:25:09

Local clock offset: -0.025 ms

Remote clock offset: 0.195 ms

# Below is generated by plot.py at 2018-05-25 13:09:18

# Datalink statistics

-- Total of 1 flow:

Average throughput: 52.57 Mbit/s

95th percentile per-packet one-way delay: 138.893 ms

Loss rate: 1.52%

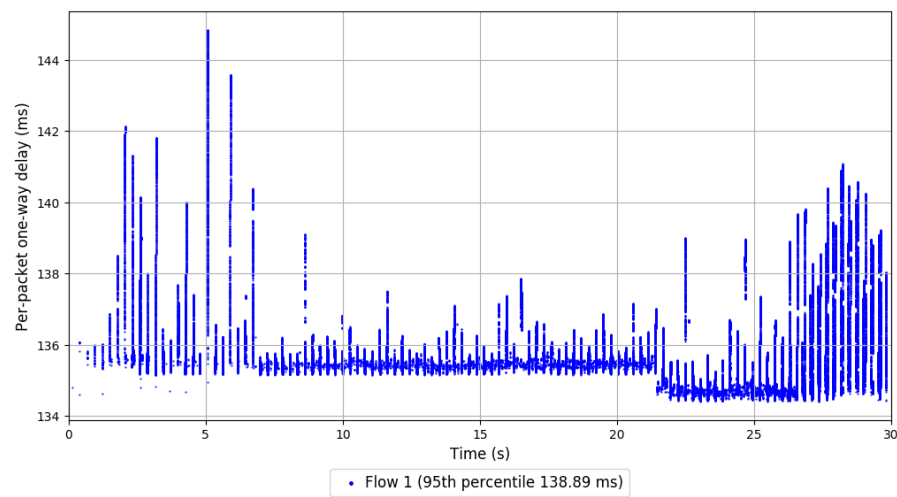
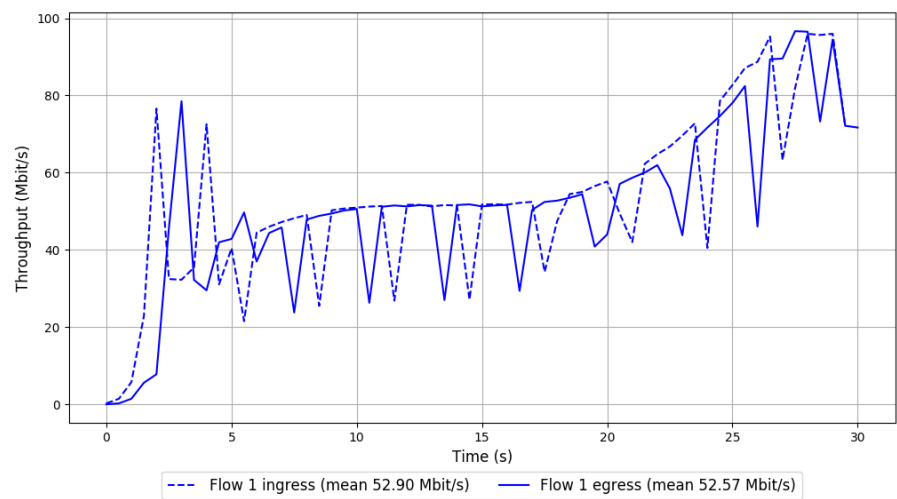
-- Flow 1:

Average throughput: 52.57 Mbit/s

95th percentile per-packet one-way delay: 138.893 ms

Loss rate: 1.52%

Run 7: Report of TCP Cubic — Data Link

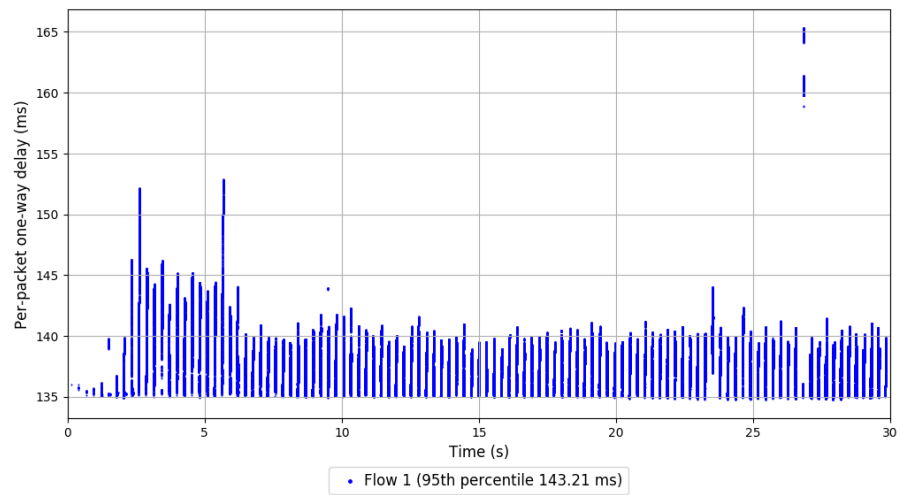
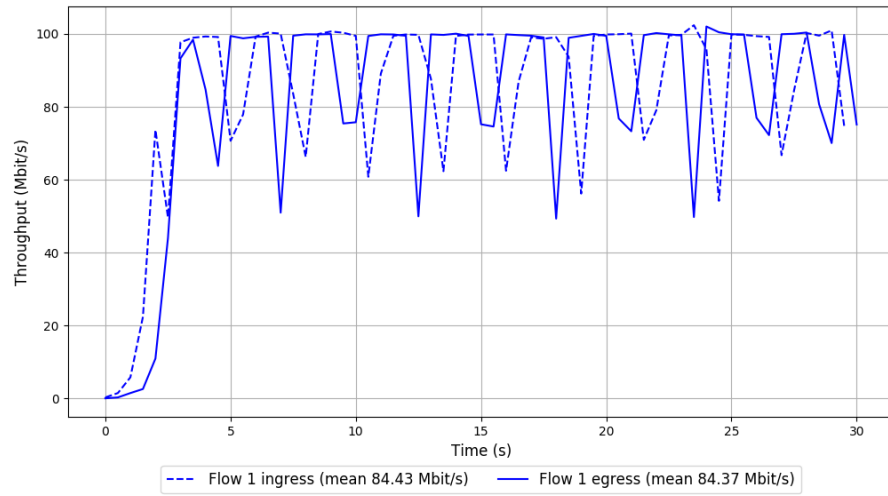


Run 8: Statistics of TCP Cubic

Start at: 2018-05-25 11:46:20  
End at: 2018-05-25 11:46:50  
Local clock offset: 0.011 ms  
Remote clock offset: -0.211 ms

# Below is generated by plot.py at 2018-05-25 13:09:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.37 Mbit/s  
95th percentile per-packet one-way delay: 143.211 ms  
Loss rate: 0.99%  
-- Flow 1:  
Average throughput: 84.37 Mbit/s  
95th percentile per-packet one-way delay: 143.211 ms  
Loss rate: 0.99%

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



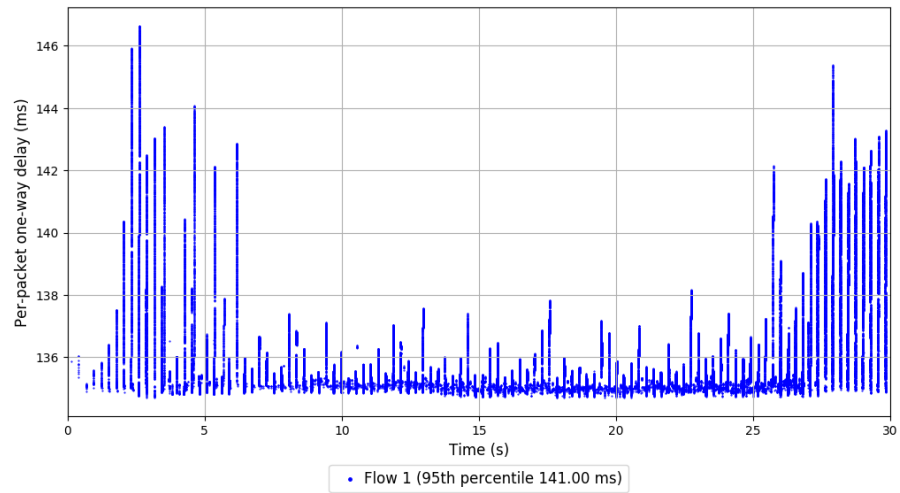
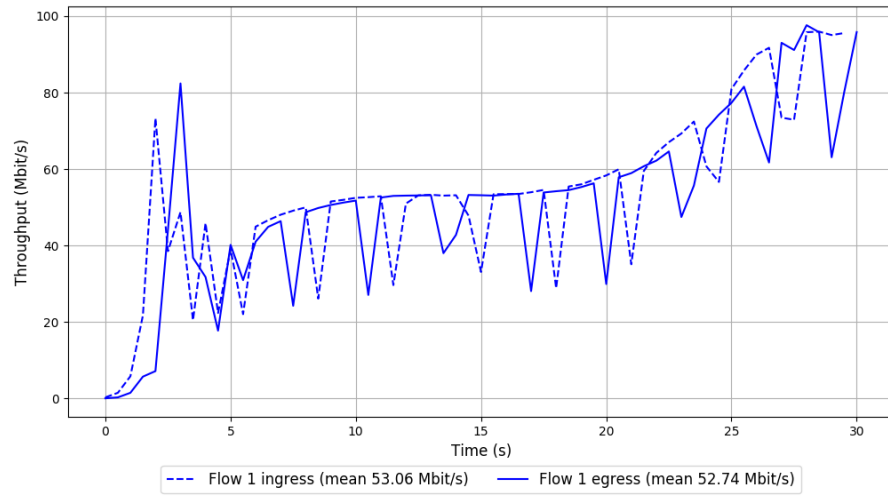
Run 9: Statistics of TCP Cubic

Start at: 2018-05-25 12:07:47  
End at: 2018-05-25 12:08:17  
Local clock offset: 0.032 ms  
Remote clock offset: -0.219 ms

# Below is generated by plot.py at 2018-05-25 13:09:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 52.74 Mbit/s  
95th percentile per-packet one-way delay: 141.000 ms  
Loss rate: 1.49%  
-- Flow 1:  
Average throughput: 52.74 Mbit/s  
95th percentile per-packet one-way delay: 141.000 ms  
Loss rate: 1.49%



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



Run 10: Statistics of TCP Cubic

Start at: 2018-05-25 12:29:06

End at: 2018-05-25 12:29:36

Local clock offset: -0.05 ms

Remote clock offset: -0.234 ms

# Below is generated by plot.py at 2018-05-25 13:09:18

# Datalink statistics

-- Total of 1 flow:

Average throughput: 60.92 Mbit/s

95th percentile per-packet one-way delay: 141.171 ms

Loss rate: 1.31%

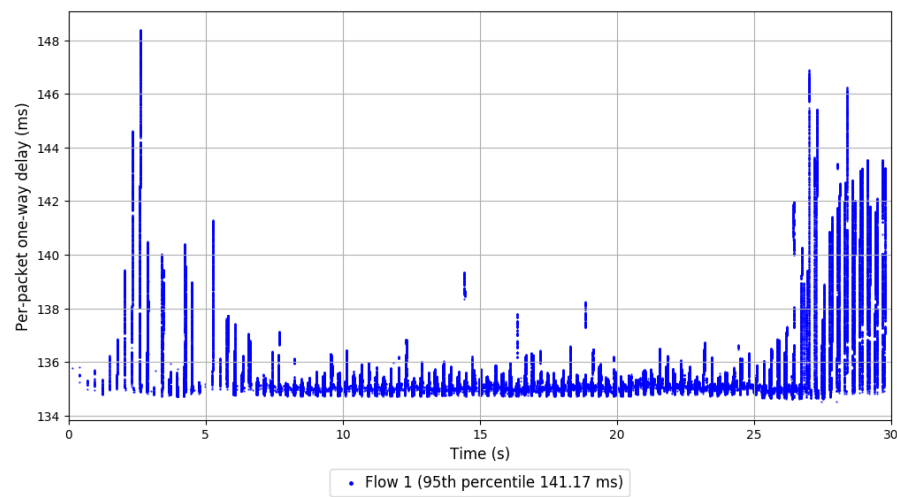
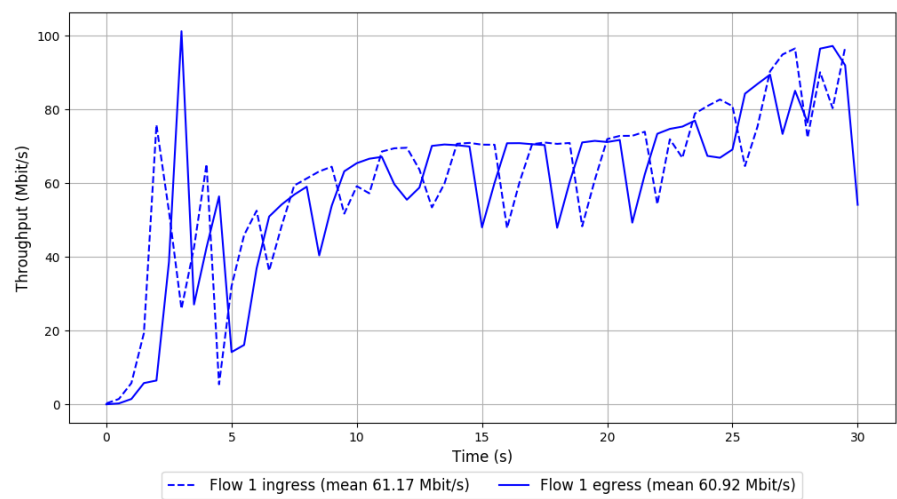
-- Flow 1:

Average throughput: 60.92 Mbit/s

95th percentile per-packet one-way delay: 141.171 ms

Loss rate: 1.31%

Run 10: Report of TCP Cubic — Data Link

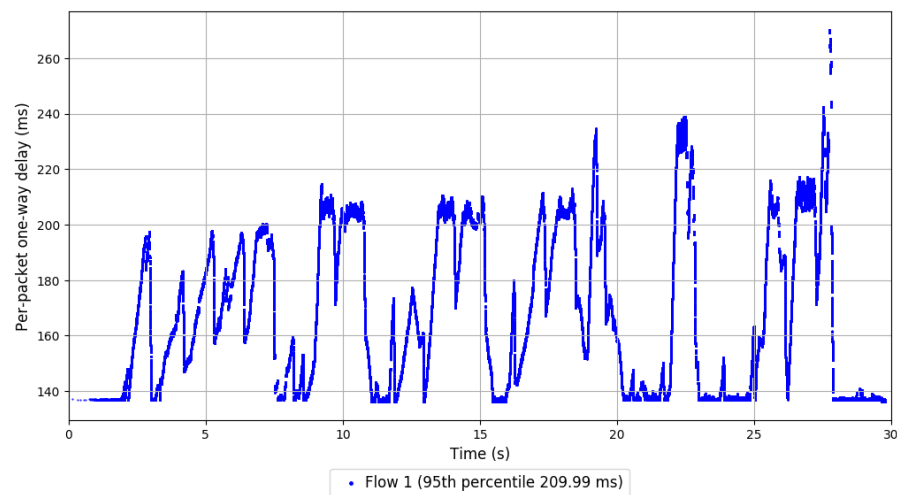
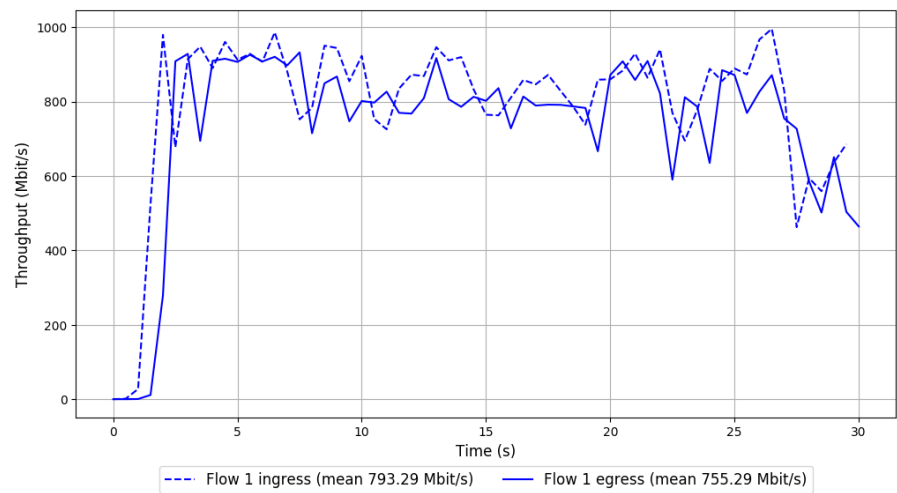


Run 1: Statistics of FillP

Start at: 2018-05-25 09:33:01  
End at: 2018-05-25 09:33:31  
Local clock offset: 0.082 ms  
Remote clock offset: -0.618 ms

# Below is generated by plot.py at 2018-05-25 13:23:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 755.29 Mbit/s  
95th percentile per-packet one-way delay: 209.993 ms  
Loss rate: 5.66%  
-- Flow 1:  
Average throughput: 755.29 Mbit/s  
95th percentile per-packet one-way delay: 209.993 ms  
Loss rate: 5.66%

Run 1: Report of FillP — Data Link

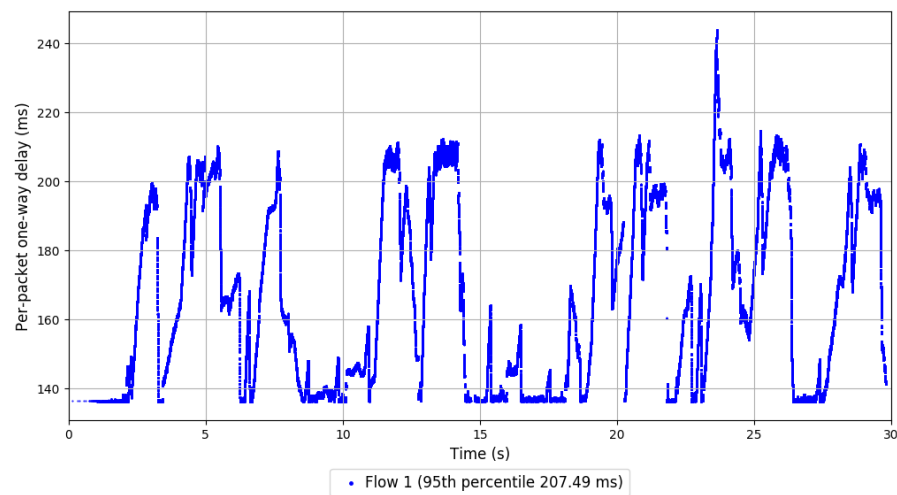
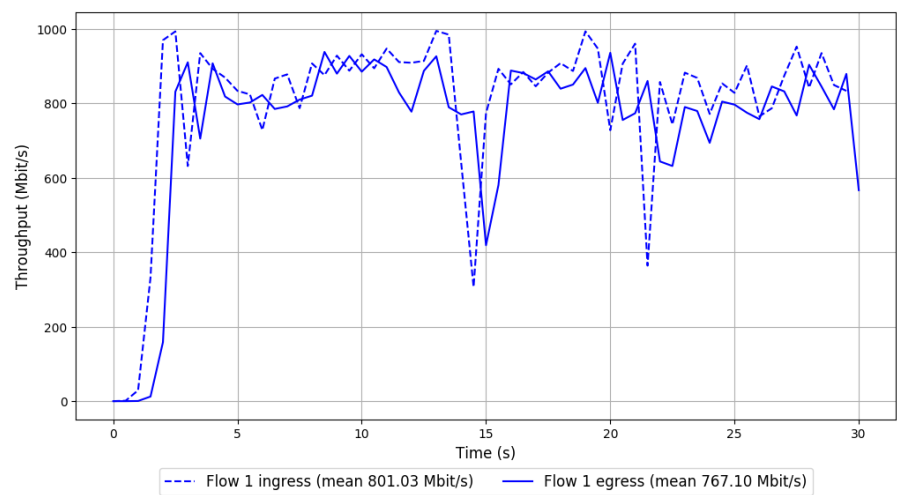


Run 2: Statistics of FillP

Start at: 2018-05-25 09:54:10  
End at: 2018-05-25 09:54:40  
Local clock offset: 0.161 ms  
Remote clock offset: -0.532 ms

# Below is generated by plot.py at 2018-05-25 13:23:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 767.10 Mbit/s  
95th percentile per-packet one-way delay: 207.487 ms  
Loss rate: 5.15%  
-- Flow 1:  
Average throughput: 767.10 Mbit/s  
95th percentile per-packet one-way delay: 207.487 ms  
Loss rate: 5.15%

Run 2: Report of FillP — Data Link



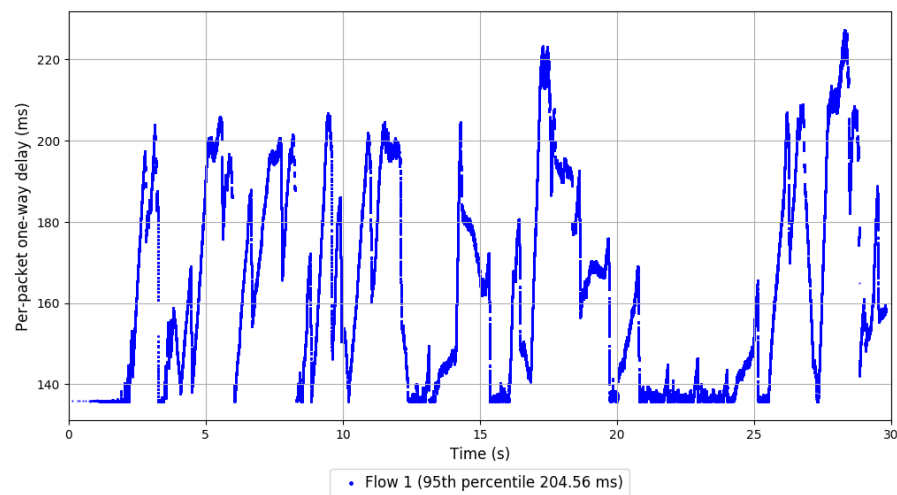
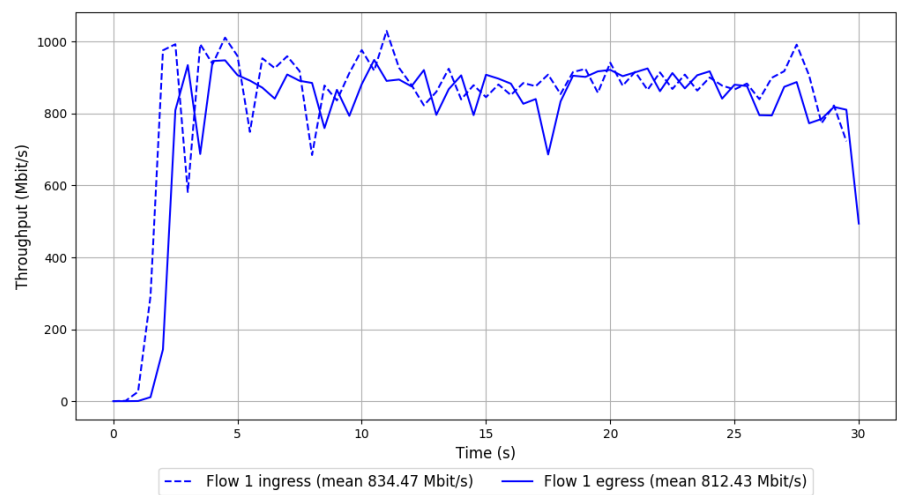
Run 3: Statistics of FillP

Start at: 2018-05-25 10:15:32  
End at: 2018-05-25 10:16:02  
Local clock offset: -0.065 ms  
Remote clock offset: -0.096 ms

# Below is generated by plot.py at 2018-05-25 13:24:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 812.43 Mbit/s  
95th percentile per-packet one-way delay: 204.562 ms  
Loss rate: 3.53%  
-- Flow 1:  
Average throughput: 812.43 Mbit/s  
95th percentile per-packet one-way delay: 204.562 ms  
Loss rate: 3.53%



Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-05-25 10:36:38

End at: 2018-05-25 10:37:08

Local clock offset: 0.353 ms

Remote clock offset: 0.205 ms

# Below is generated by plot.py at 2018-05-25 13:24:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 785.82 Mbit/s

95th percentile per-packet one-way delay: 211.430 ms

Loss rate: 5.99%

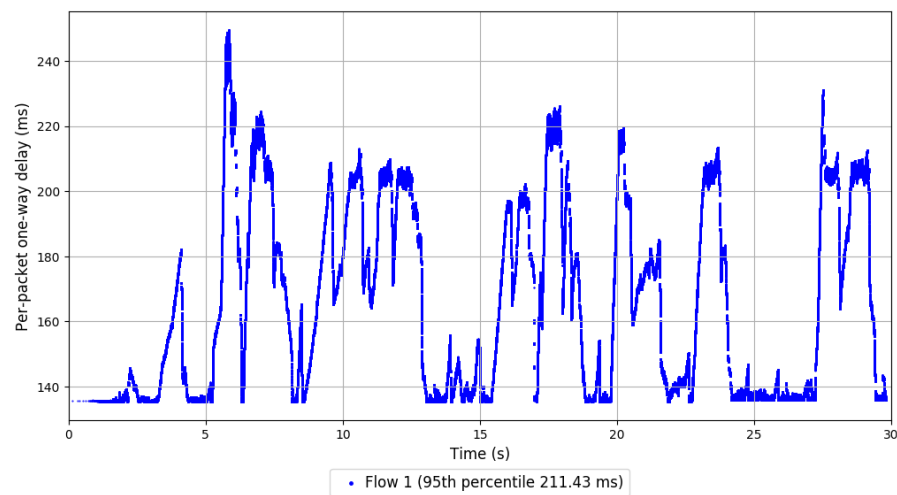
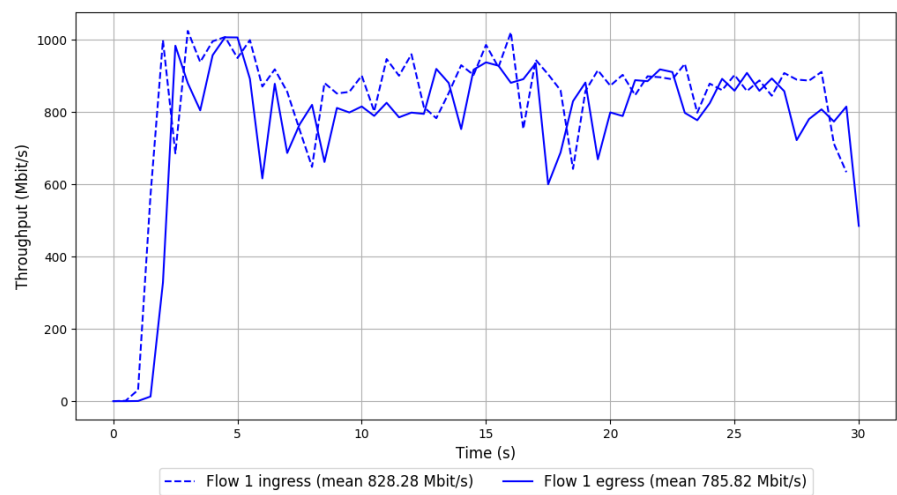
-- Flow 1:

Average throughput: 785.82 Mbit/s

95th percentile per-packet one-way delay: 211.430 ms

Loss rate: 5.99%

Run 4: Report of FillP — Data Link

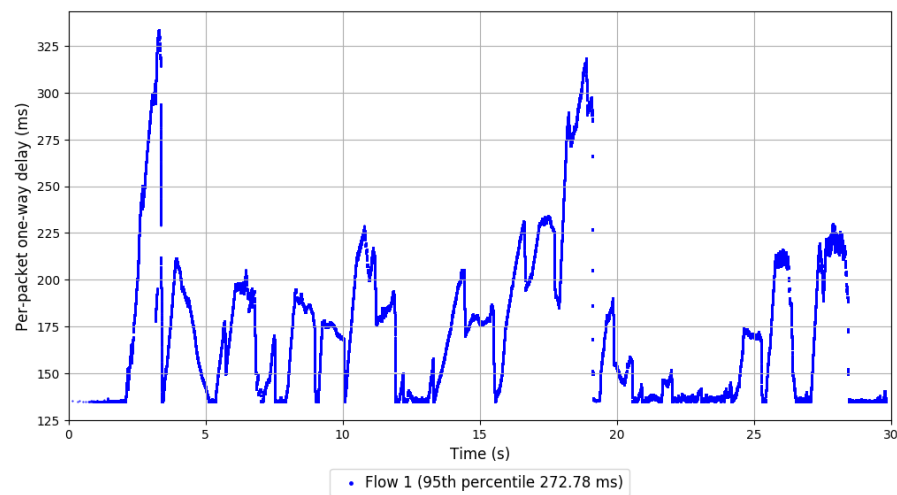
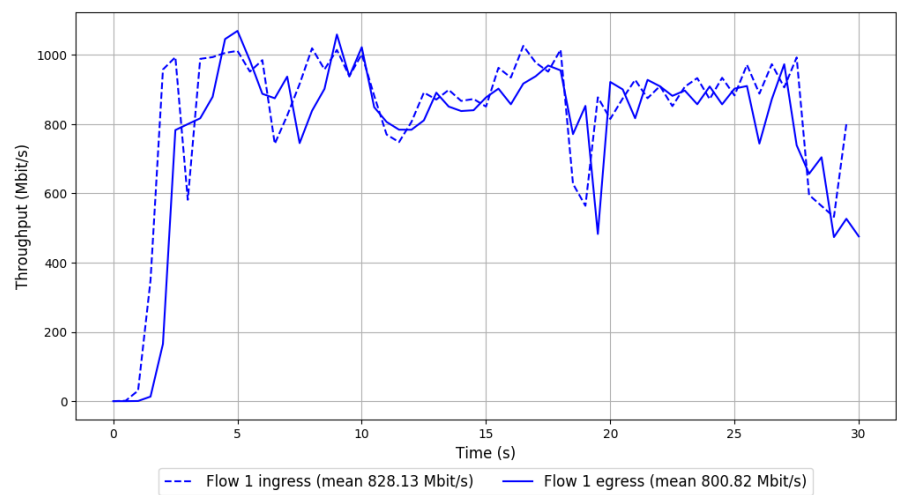


Run 5: Statistics of FillP

Start at: 2018-05-25 10:57:38  
End at: 2018-05-25 10:58:08  
Local clock offset: -0.03 ms  
Remote clock offset: -0.184 ms

# Below is generated by plot.py at 2018-05-25 13:24:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 800.82 Mbit/s  
95th percentile per-packet one-way delay: 272.779 ms  
Loss rate: 4.17%  
-- Flow 1:  
Average throughput: 800.82 Mbit/s  
95th percentile per-packet one-way delay: 272.779 ms  
Loss rate: 4.17%

Run 5: Report of FillP — Data Link

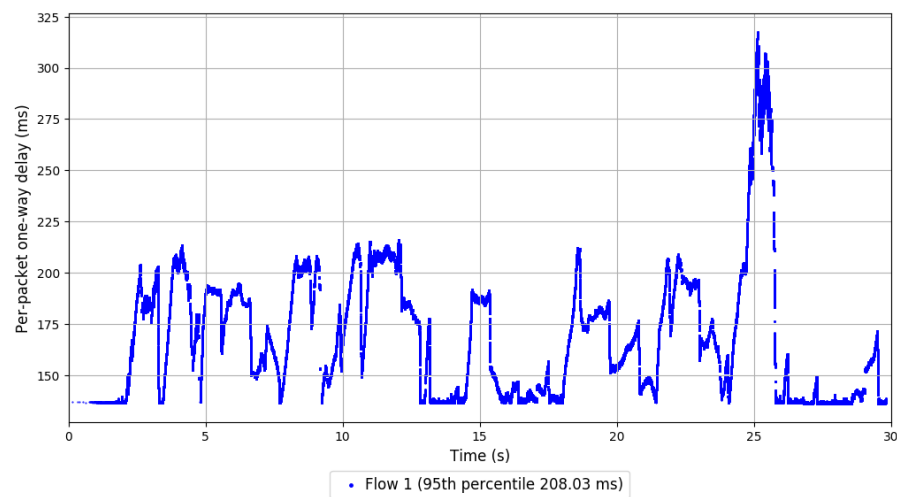
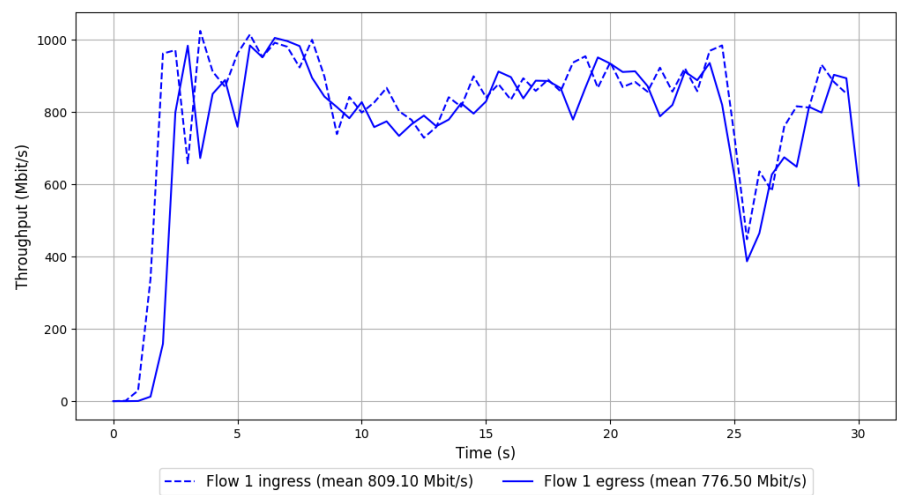


Run 6: Statistics of FillP

Start at: 2018-05-25 11:18:54  
End at: 2018-05-25 11:19:24  
Local clock offset: 0.192 ms  
Remote clock offset: -0.516 ms

# Below is generated by plot.py at 2018-05-25 13:24:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 776.50 Mbit/s  
95th percentile per-packet one-way delay: 208.025 ms  
Loss rate: 4.90%  
-- Flow 1:  
Average throughput: 776.50 Mbit/s  
95th percentile per-packet one-way delay: 208.025 ms  
Loss rate: 4.90%

Run 6: Report of FillP — Data Link



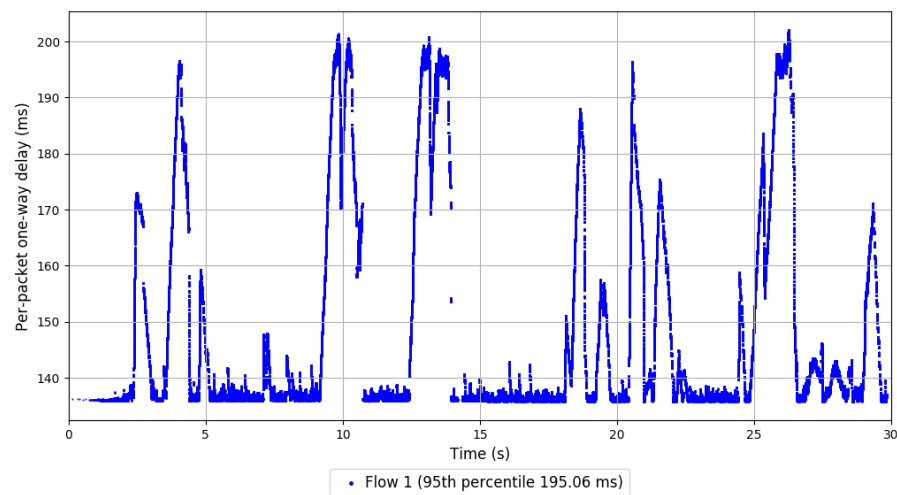
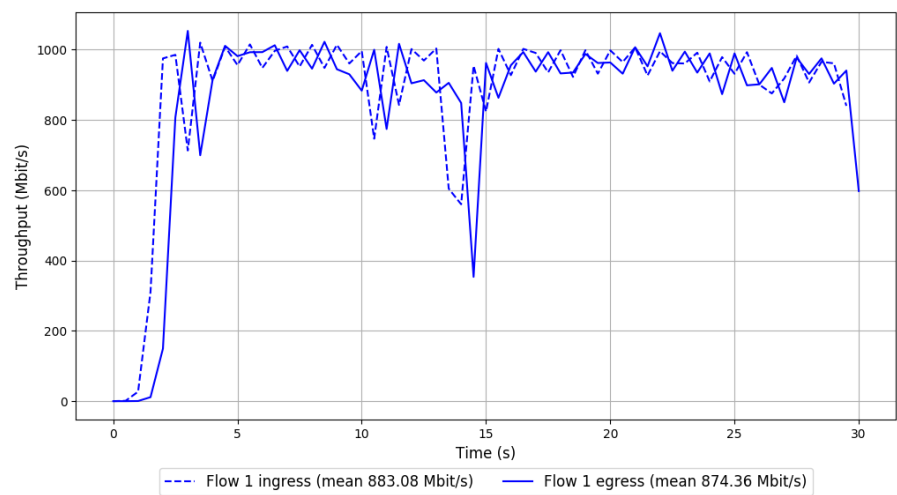
Run 7: Statistics of FillP

Start at: 2018-05-25 11:40:26  
End at: 2018-05-25 11:40:56  
Local clock offset: 0.565 ms  
Remote clock offset: -0.202 ms

# Below is generated by plot.py at 2018-05-25 13:26:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 874.36 Mbit/s  
95th percentile per-packet one-way delay: 195.057 ms  
Loss rate: 1.89%  
-- Flow 1:  
Average throughput: 874.36 Mbit/s  
95th percentile per-packet one-way delay: 195.057 ms  
Loss rate: 1.89%



Run 7: Report of FillP — Data Link

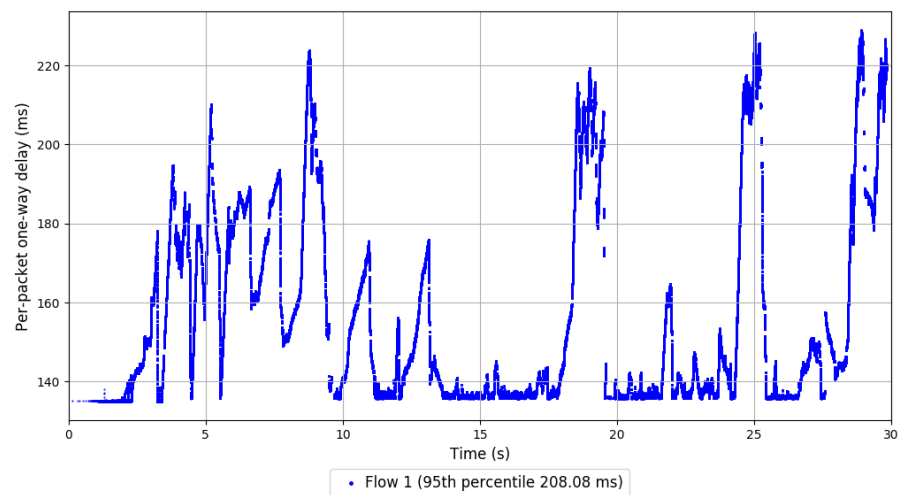
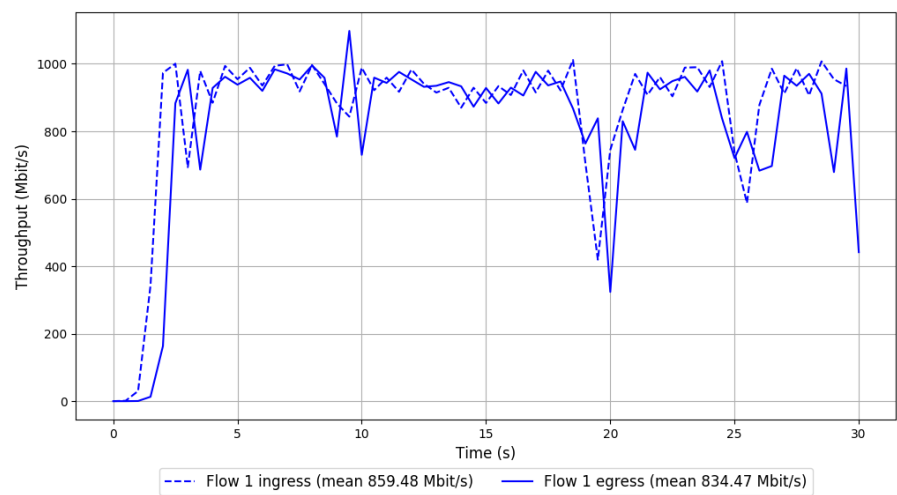


Run 8: Statistics of FillP

Start at: 2018-05-25 12:01:57  
End at: 2018-05-25 12:02:27  
Local clock offset: 0.098 ms  
Remote clock offset: -0.572 ms

# Below is generated by plot.py at 2018-05-25 13:28:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 834.47 Mbit/s  
95th percentile per-packet one-way delay: 208.083 ms  
Loss rate: 3.79%  
-- Flow 1:  
Average throughput: 834.47 Mbit/s  
95th percentile per-packet one-way delay: 208.083 ms  
Loss rate: 3.79%

Run 8: Report of FillP — Data Link

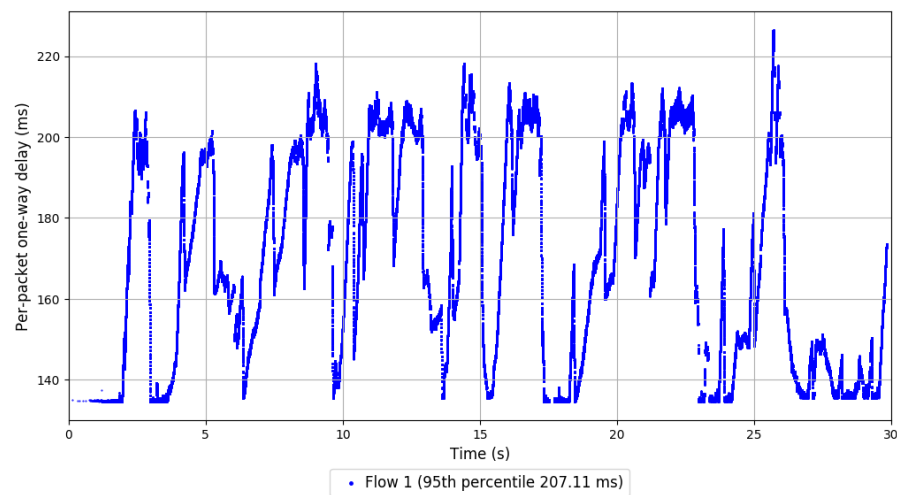
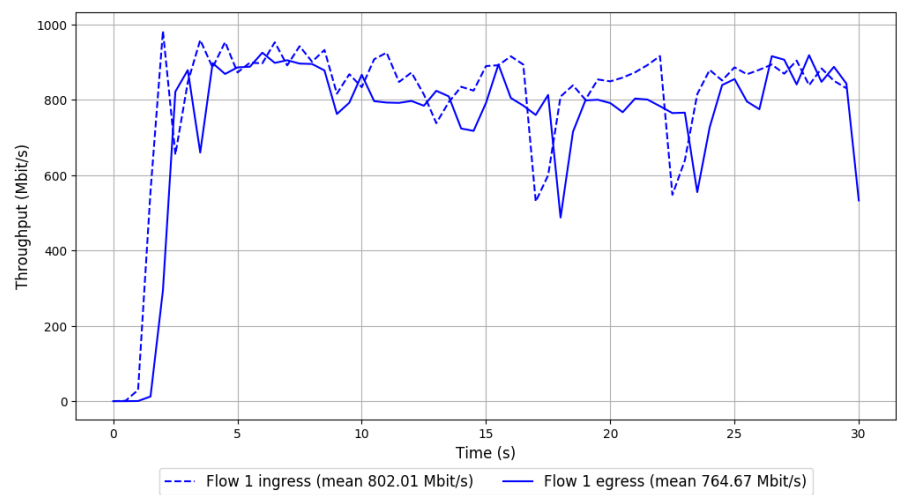


Run 9: Statistics of FillP

Start at: 2018-05-25 12:23:25  
End at: 2018-05-25 12:23:55  
Local clock offset: -0.119 ms  
Remote clock offset: -0.246 ms

# Below is generated by plot.py at 2018-05-25 13:40:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 764.67 Mbit/s  
95th percentile per-packet one-way delay: 207.106 ms  
Loss rate: 5.52%  
-- Flow 1:  
Average throughput: 764.67 Mbit/s  
95th percentile per-packet one-way delay: 207.106 ms  
Loss rate: 5.52%

Run 9: Report of FillP — Data Link

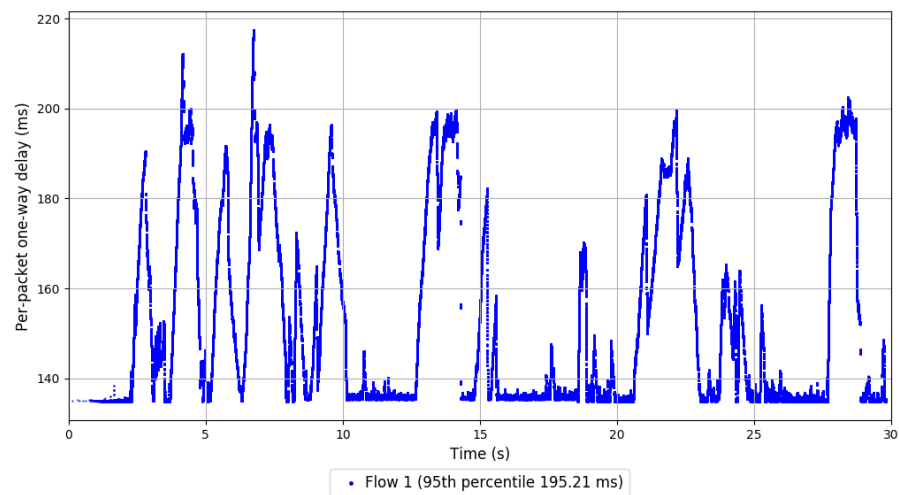
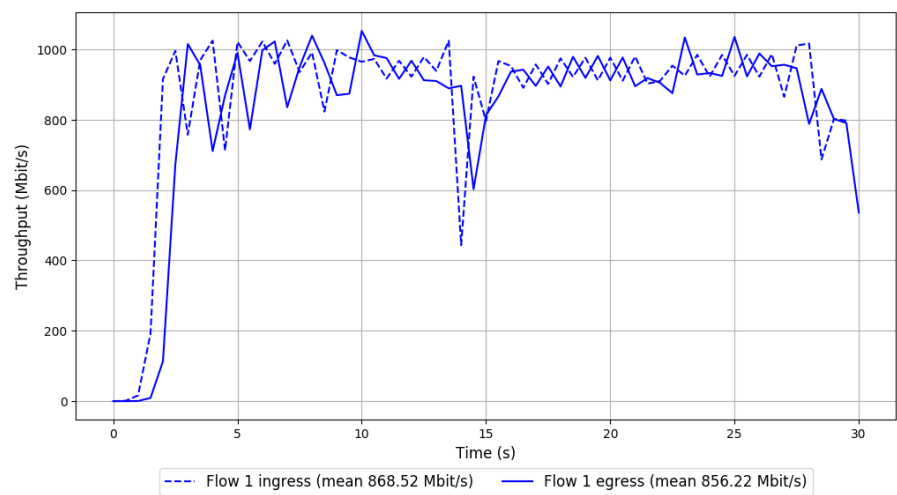


Run 10: Statistics of FillP

Start at: 2018-05-25 12:44:52  
End at: 2018-05-25 12:45:22  
Local clock offset: -0.023 ms  
Remote clock offset: -0.172 ms

# Below is generated by plot.py at 2018-05-25 13:41:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 856.22 Mbit/s  
95th percentile per-packet one-way delay: 195.207 ms  
Loss rate: 2.31%  
-- Flow 1:  
Average throughput: 856.22 Mbit/s  
95th percentile per-packet one-way delay: 195.207 ms  
Loss rate: 2.31%

Run 10: Report of FillP — Data Link



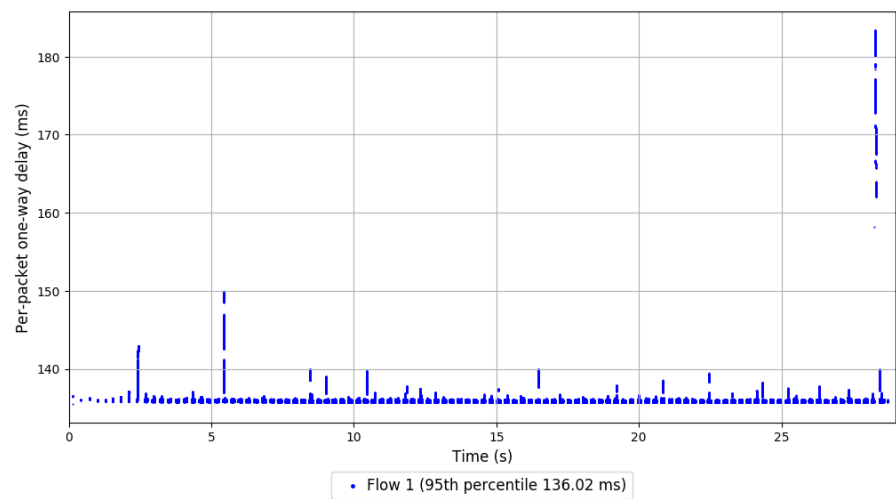
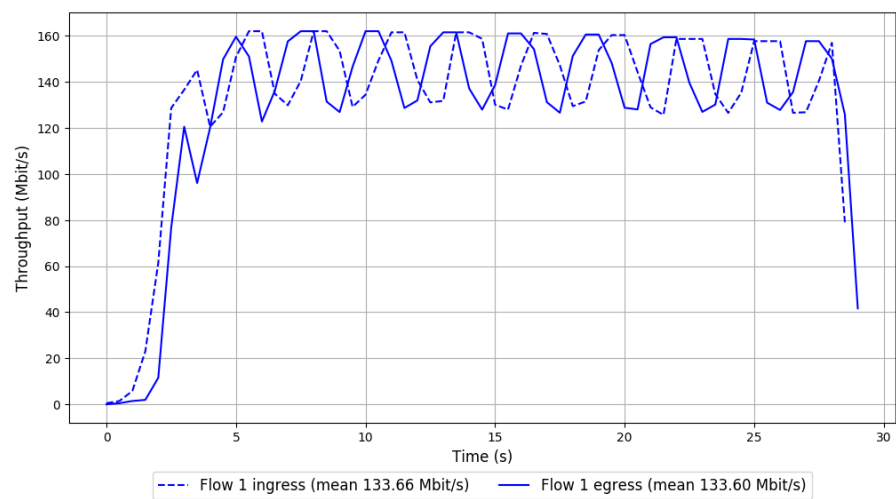
```
Run 1: Statistics of Indigo

Start at: 2018-05-25 09:31:42
End at: 2018-05-25 09:32:12
Local clock offset: 0.054 ms
Remote clock offset: -0.262 ms

# Below is generated by plot.py at 2018-05-25 13:41:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 133.60 Mbit/s
95th percentile per-packet one-way delay: 136.018 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 133.60 Mbit/s
95th percentile per-packet one-way delay: 136.018 ms
Loss rate: 0.98%
```



Run 1: Report of Indigo — Data Link

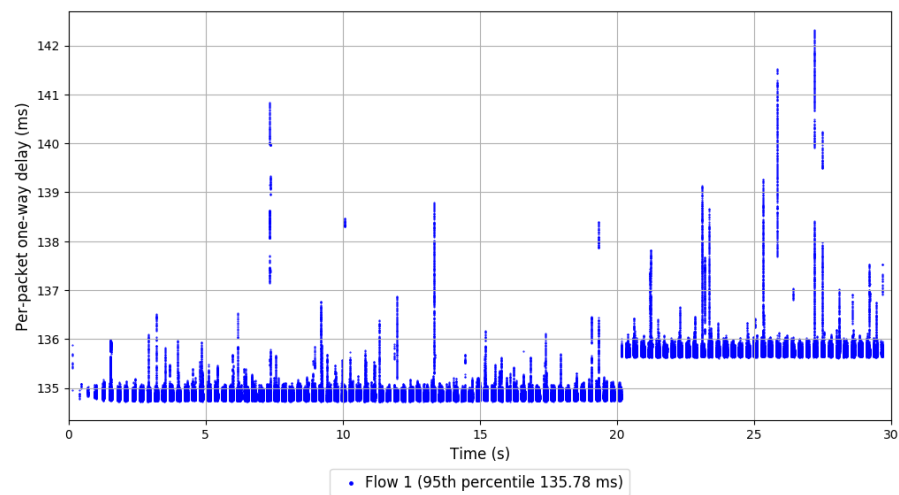
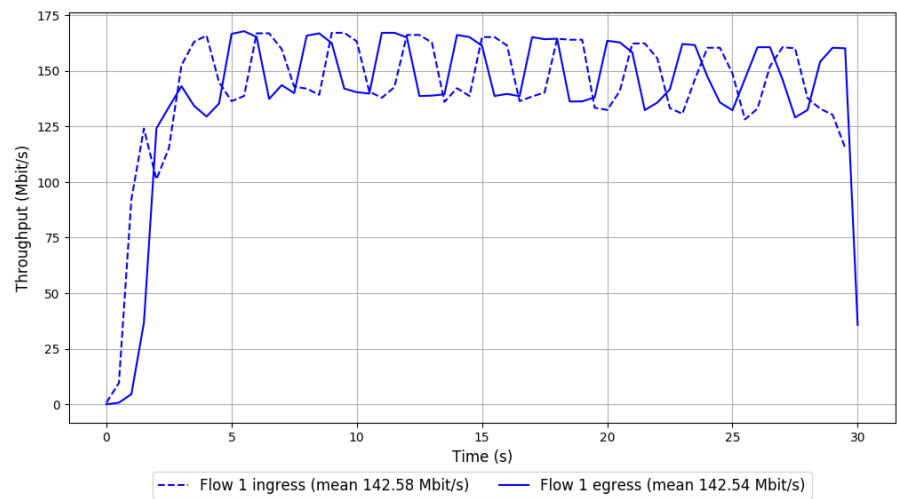


Run 2: Statistics of Indigo

Start at: 2018-05-25 09:52:50  
End at: 2018-05-25 09:53:20  
Local clock offset: -0.054 ms  
Remote clock offset: -0.172 ms

# Below is generated by plot.py at 2018-05-25 13:41:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 142.54 Mbit/s  
95th percentile per-packet one-way delay: 135.785 ms  
Loss rate: 0.94%  
-- Flow 1:  
Average throughput: 142.54 Mbit/s  
95th percentile per-packet one-way delay: 135.785 ms  
Loss rate: 0.94%

Run 2: Report of Indigo — Data Link

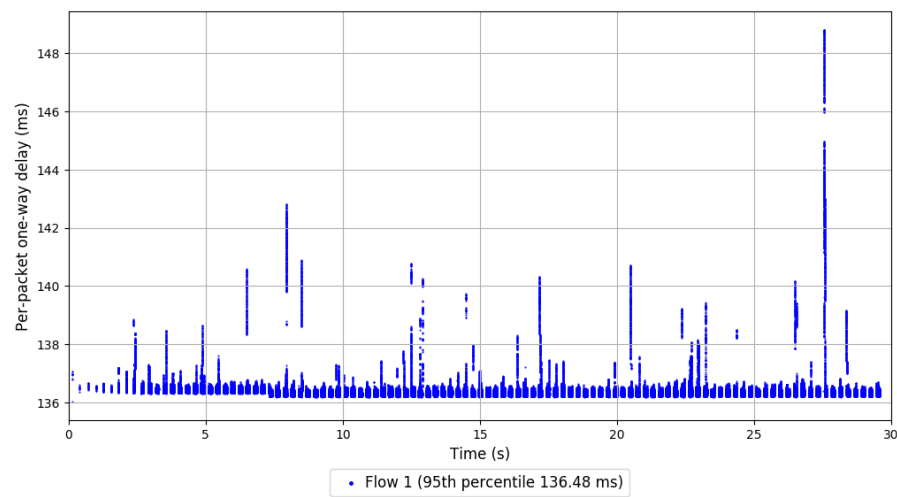
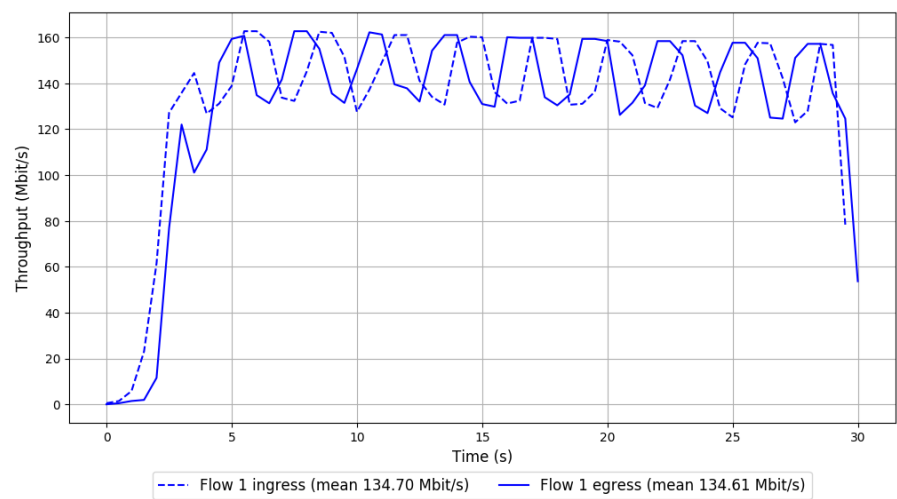


Run 3: Statistics of Indigo

Start at: 2018-05-25 10:14:13  
End at: 2018-05-25 10:14:43  
Local clock offset: 0.169 ms  
Remote clock offset: -0.545 ms

# Below is generated by plot.py at 2018-05-25 13:41:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 134.61 Mbit/s  
95th percentile per-packet one-way delay: 136.484 ms  
Loss rate: 0.98%  
-- Flow 1:  
Average throughput: 134.61 Mbit/s  
95th percentile per-packet one-way delay: 136.484 ms  
Loss rate: 0.98%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-05-25 10:35:19

End at: 2018-05-25 10:35:49

Local clock offset: -0.125 ms

Remote clock offset: 0.172 ms

# Below is generated by plot.py at 2018-05-25 13:41:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 135.71 Mbit/s

95th percentile per-packet one-way delay: 135.297 ms

Loss rate: 0.97%

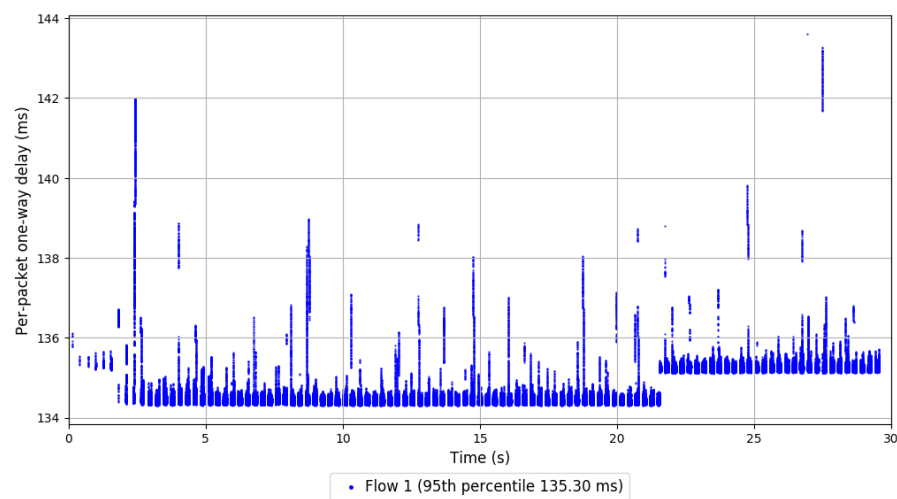
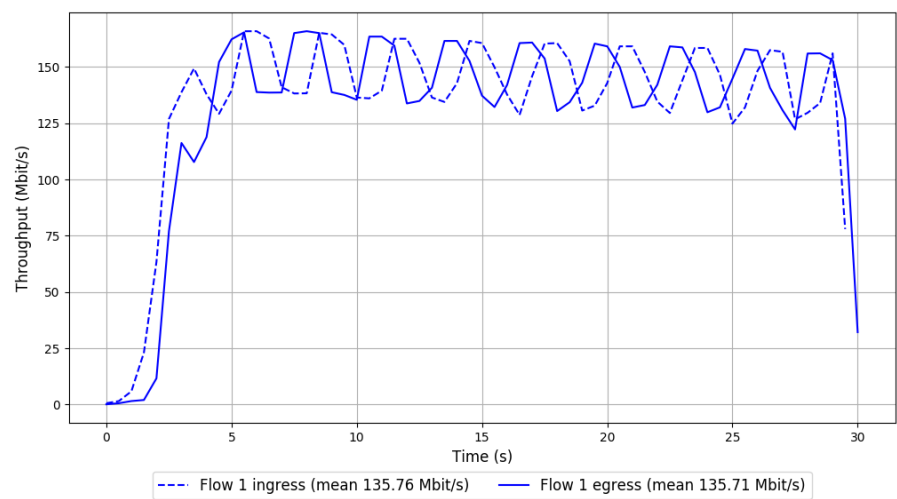
-- Flow 1:

Average throughput: 135.71 Mbit/s

95th percentile per-packet one-way delay: 135.297 ms

Loss rate: 0.97%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-05-25 10:56:19

End at: 2018-05-25 10:56:49

Local clock offset: 0.026 ms

Remote clock offset: -0.2 ms

# Below is generated by plot.py at 2018-05-25 13:41:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 134.13 Mbit/s

95th percentile per-packet one-way delay: 135.094 ms

Loss rate: 0.99%

-- Flow 1:

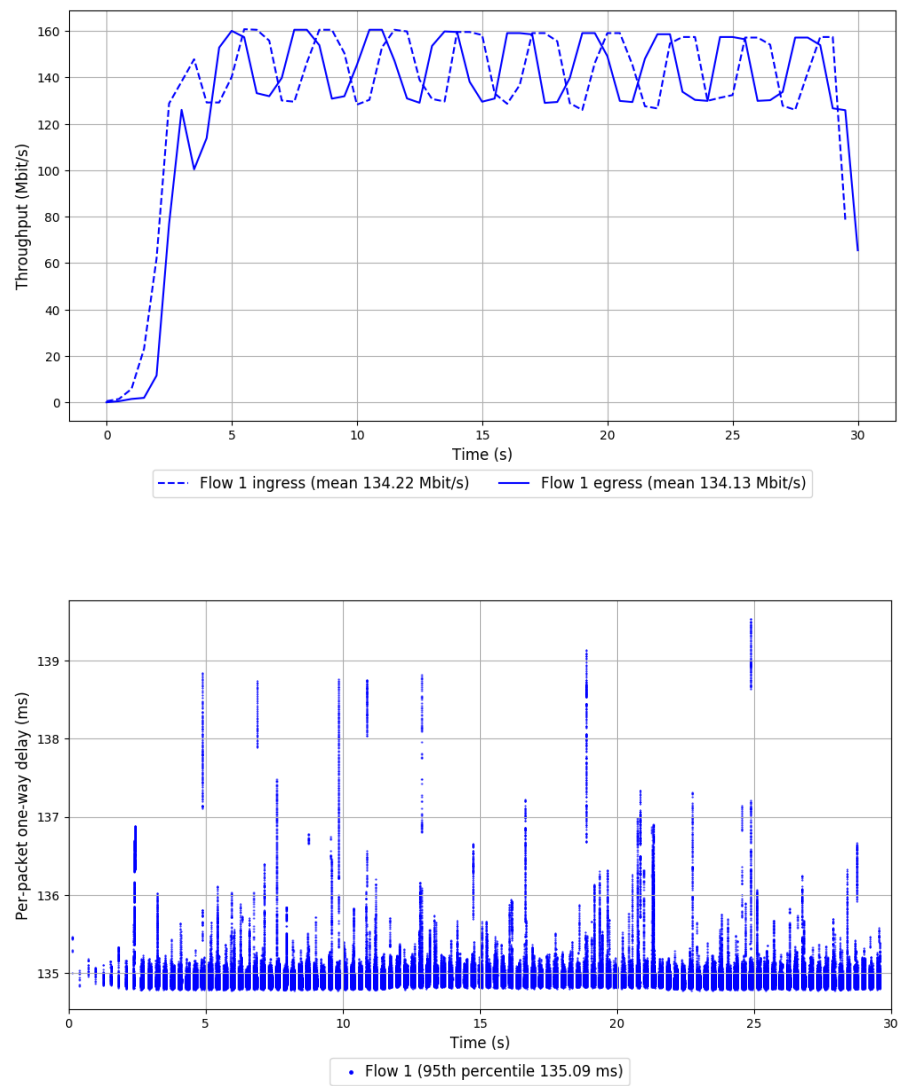
Average throughput: 134.13 Mbit/s

95th percentile per-packet one-way delay: 135.094 ms

Loss rate: 0.99%



Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-05-25 11:17:32

End at: 2018-05-25 11:18:02

Local clock offset: 0.193 ms

Remote clock offset: -0.104 ms

# Below is generated by plot.py at 2018-05-25 13:41:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 176.98 Mbit/s

95th percentile per-packet one-way delay: 135.883 ms

Loss rate: 0.92%

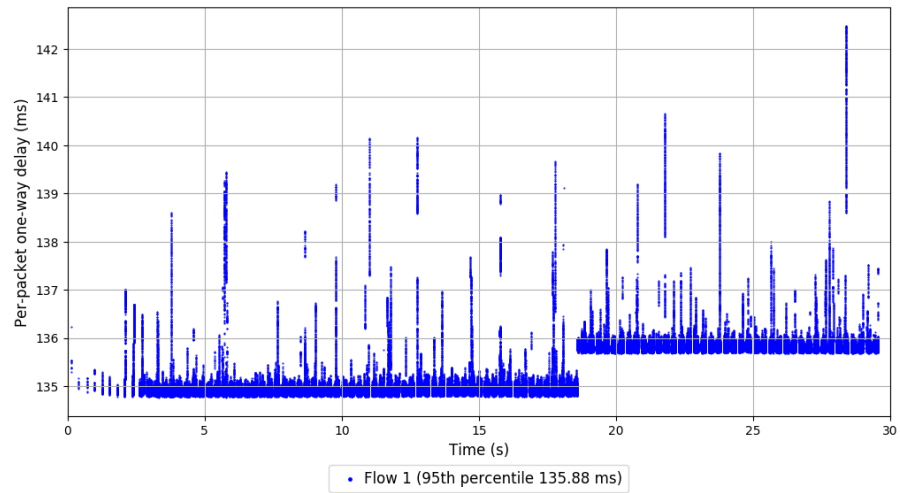
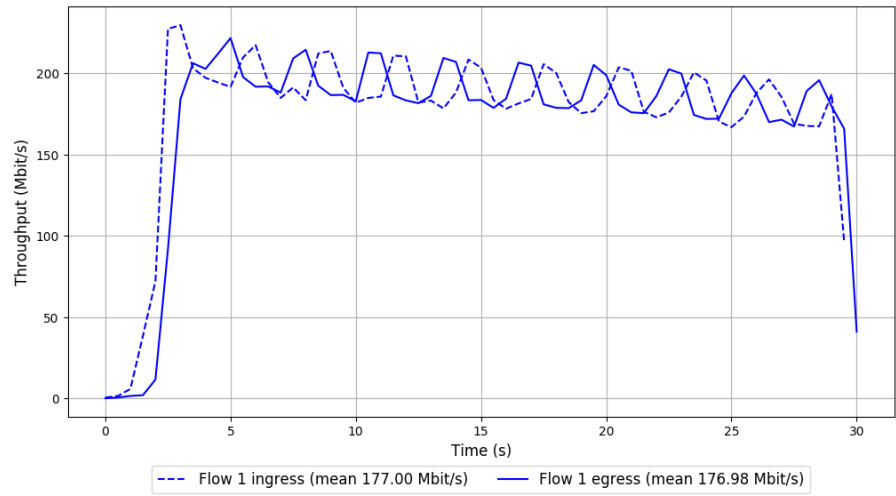
-- Flow 1:

Average throughput: 176.98 Mbit/s

95th percentile per-packet one-way delay: 135.883 ms

Loss rate: 0.92%

## Run 6: Report of Indigo — Data Link

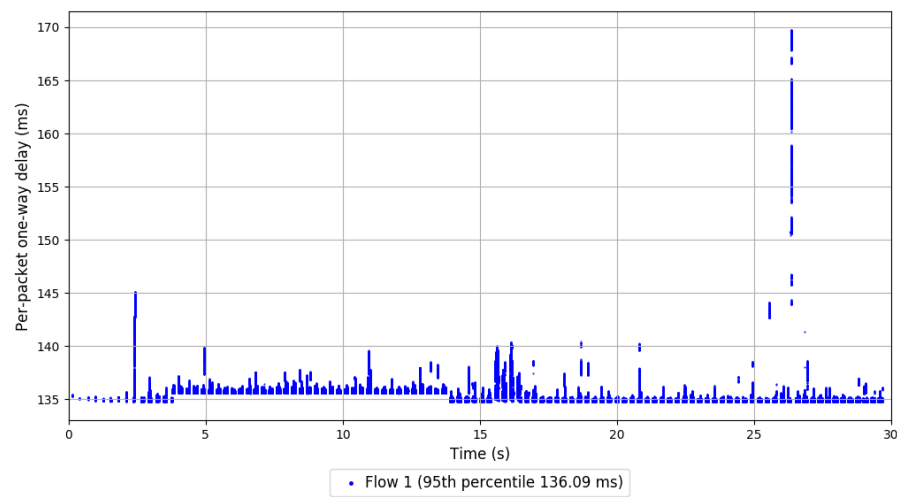
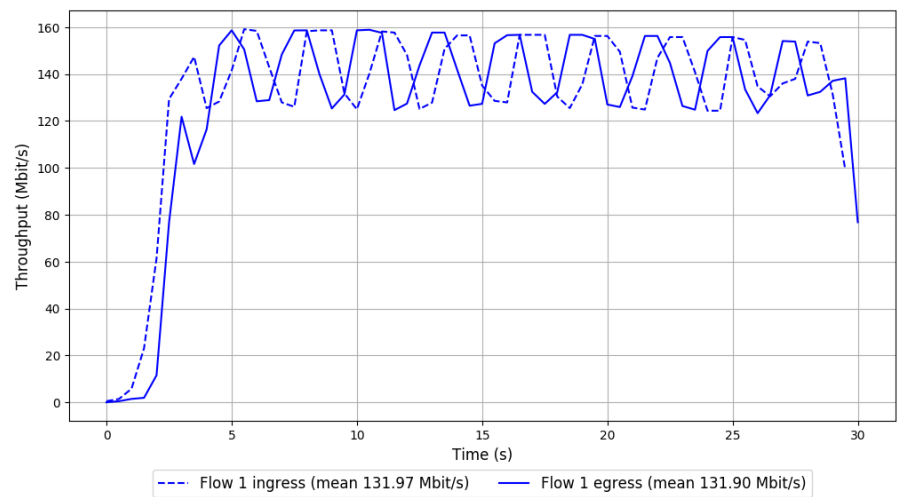


Run 7: Statistics of Indigo

Start at: 2018-05-25 11:39:07  
End at: 2018-05-25 11:39:37  
Local clock offset: -0.021 ms  
Remote clock offset: -0.206 ms

# Below is generated by plot.py at 2018-05-25 13:41:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 131.90 Mbit/s  
95th percentile per-packet one-way delay: 136.089 ms  
Loss rate: 0.96%  
-- Flow 1:  
Average throughput: 131.90 Mbit/s  
95th percentile per-packet one-way delay: 136.089 ms  
Loss rate: 0.96%

Run 7: Report of Indigo — Data Link

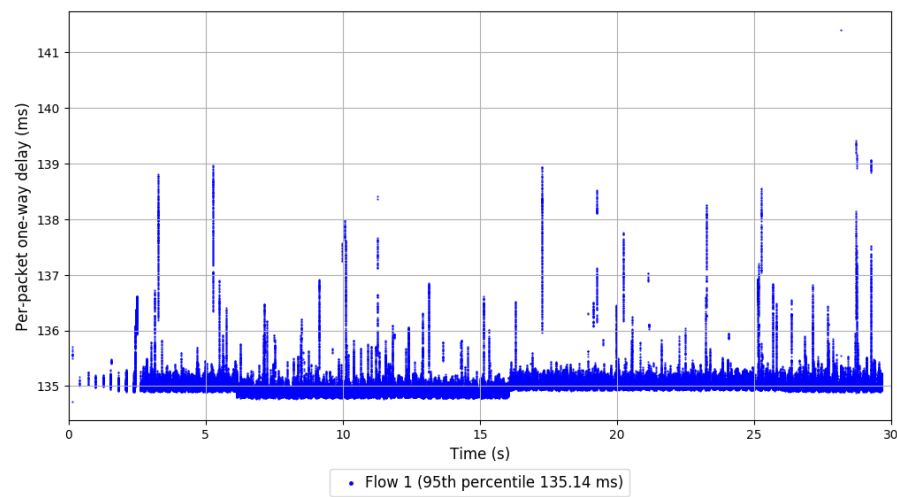
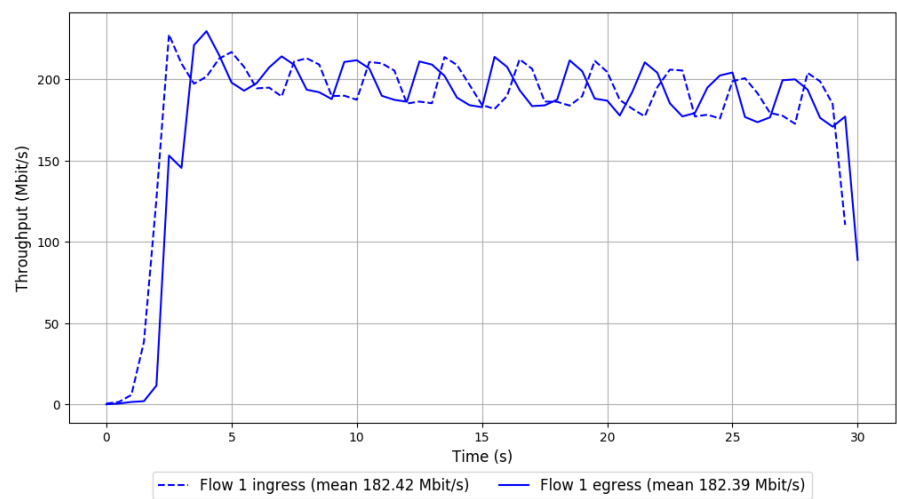


Run 8: Statistics of Indigo

Start at: 2018-05-25 12:00:35  
End at: 2018-05-25 12:01:05  
Local clock offset: 0.137 ms  
Remote clock offset: -0.178 ms

# Below is generated by plot.py at 2018-05-25 13:41:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 182.39 Mbit/s  
95th percentile per-packet one-way delay: 135.140 ms  
Loss rate: 0.93%  
-- Flow 1:  
Average throughput: 182.39 Mbit/s  
95th percentile per-packet one-way delay: 135.140 ms  
Loss rate: 0.93%

Run 8: Report of Indigo — Data Link



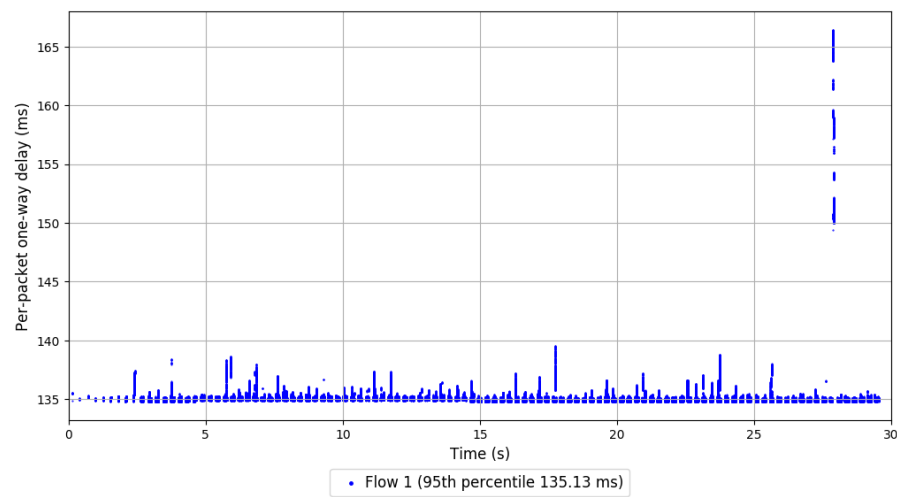
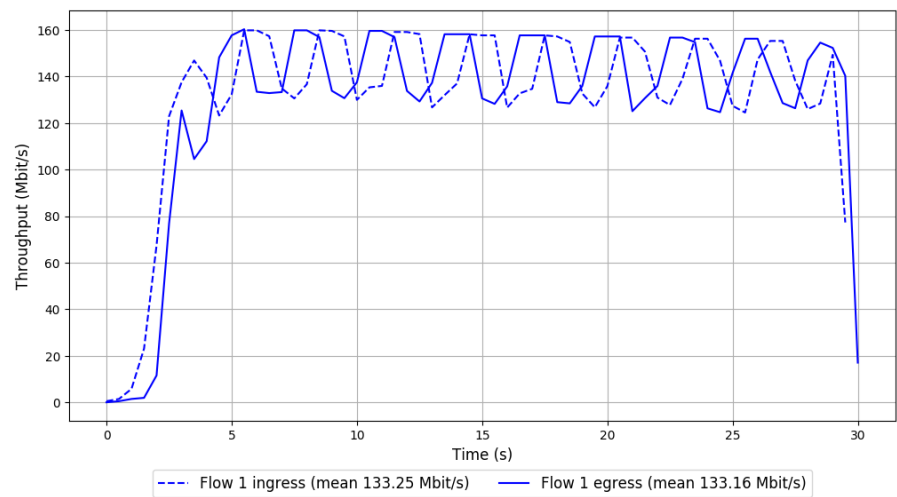
Run 9: Statistics of Indigo

Start at: 2018-05-25 12:22:06  
End at: 2018-05-25 12:22:36  
Local clock offset: 0.121 ms  
Remote clock offset: -0.215 ms

# Below is generated by plot.py at 2018-05-25 13:41:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 133.16 Mbit/s  
95th percentile per-packet one-way delay: 135.131 ms  
Loss rate: 0.98%  
-- Flow 1:  
Average throughput: 133.16 Mbit/s  
95th percentile per-packet one-way delay: 135.131 ms  
Loss rate: 0.98%



Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-05-25 12:43:33

End at: 2018-05-25 12:44:04

Local clock offset: -0.046 ms

Remote clock offset: -0.217 ms

# Below is generated by plot.py at 2018-05-25 13:41:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 136.82 Mbit/s

95th percentile per-packet one-way delay: 135.538 ms

Loss rate: 0.98%

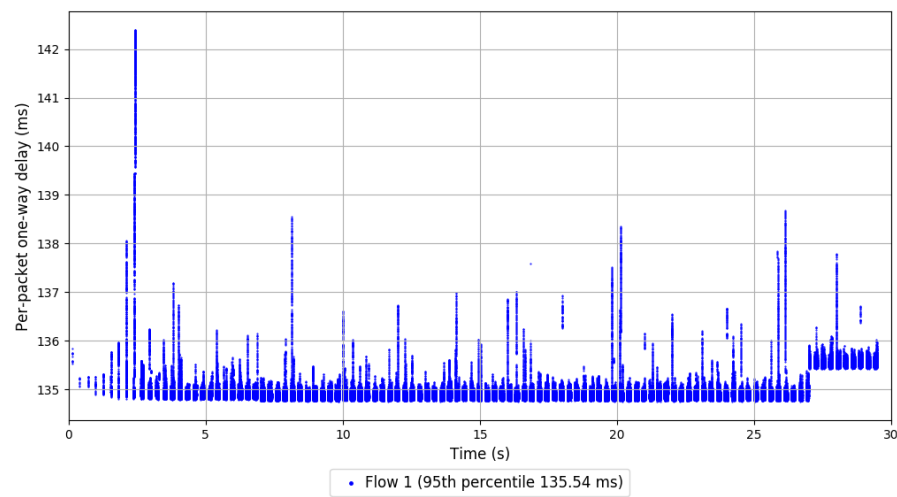
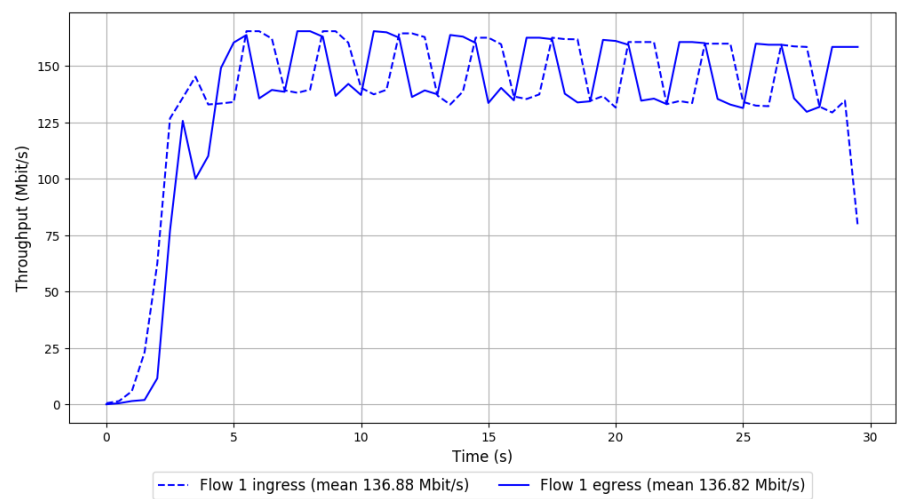
-- Flow 1:

Average throughput: 136.82 Mbit/s

95th percentile per-packet one-way delay: 135.538 ms

Loss rate: 0.98%

Run 10: Report of Indigo — Data Link

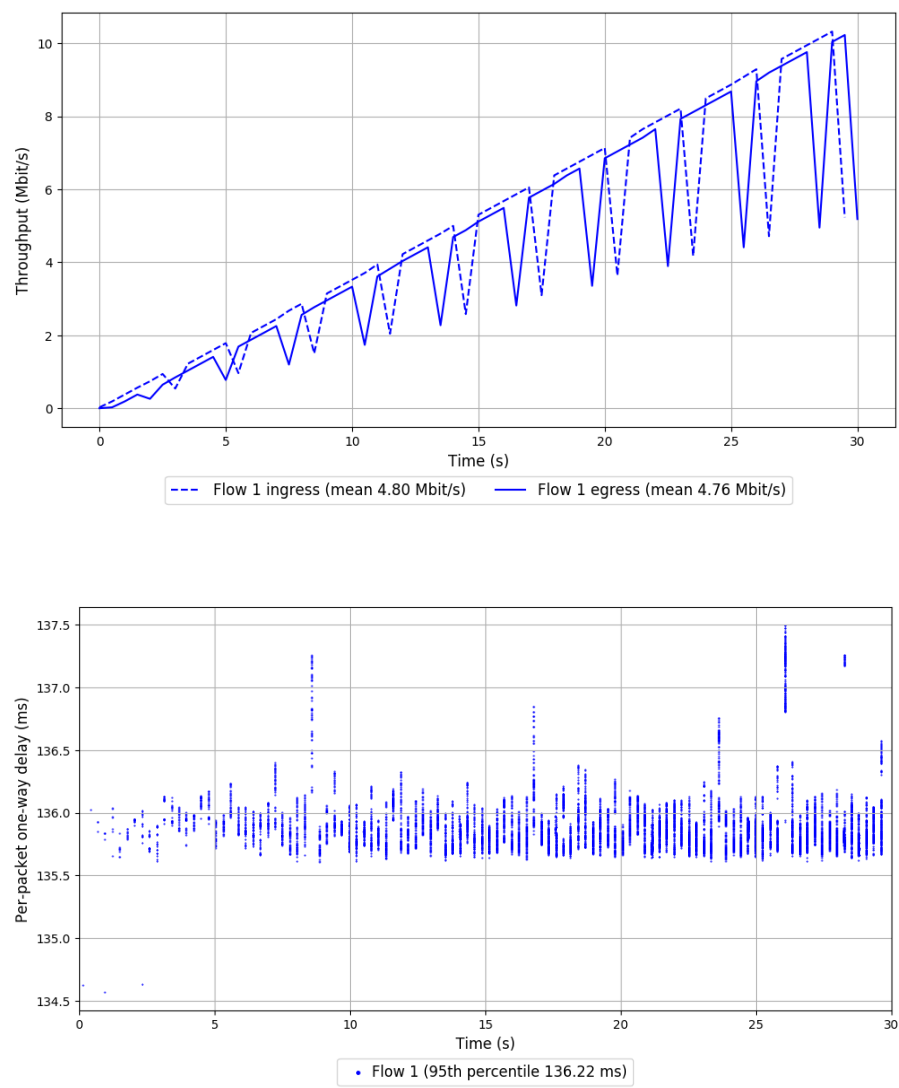


Run 1: Statistics of LEDBAT

Start at: 2018-05-25 09:21:14  
End at: 2018-05-25 09:21:44  
Local clock offset: -0.05 ms  
Remote clock offset: -0.206 ms

# Below is generated by plot.py at 2018-05-25 13:41:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 4.76 Mbit/s  
95th percentile per-packet one-way delay: 136.220 ms  
Loss rate: 1.83%  
-- Flow 1:  
Average throughput: 4.76 Mbit/s  
95th percentile per-packet one-way delay: 136.220 ms  
Loss rate: 1.83%

Run 1: Report of LEDBAT — Data Link

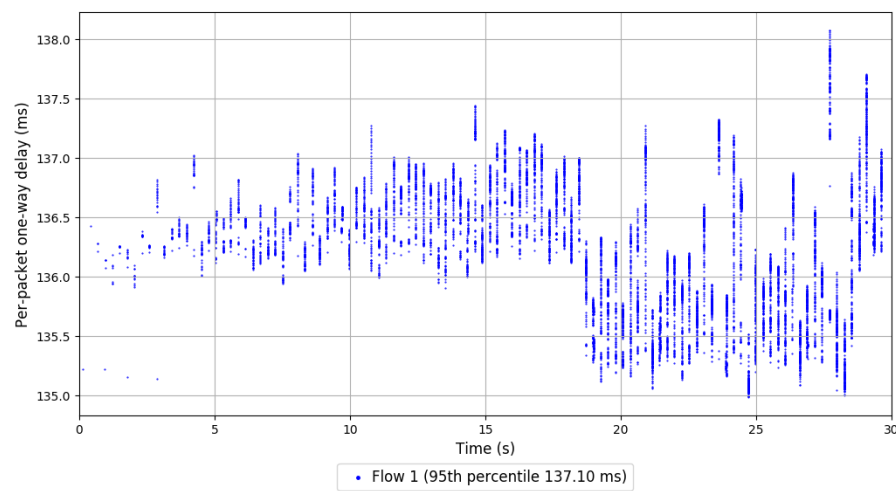
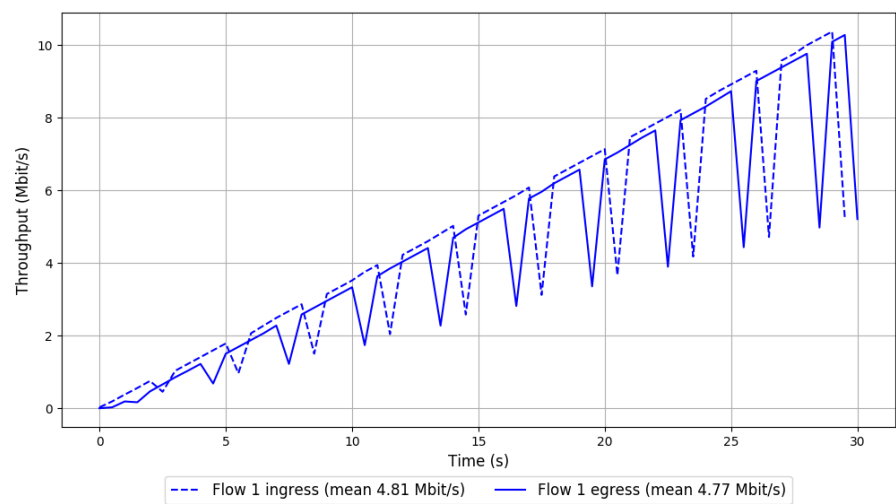


Run 2: Statistics of LEDBAT

Start at: 2018-05-25 09:42:32  
End at: 2018-05-25 09:43:02  
Local clock offset: 0.23 ms  
Remote clock offset: -0.213 ms

# Below is generated by plot.py at 2018-05-25 13:41:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 4.77 Mbit/s  
95th percentile per-packet one-way delay: 137.103 ms  
Loss rate: 1.84%  
-- Flow 1:  
Average throughput: 4.77 Mbit/s  
95th percentile per-packet one-way delay: 137.103 ms  
Loss rate: 1.84%

Run 2: Report of LEDBAT — Data Link



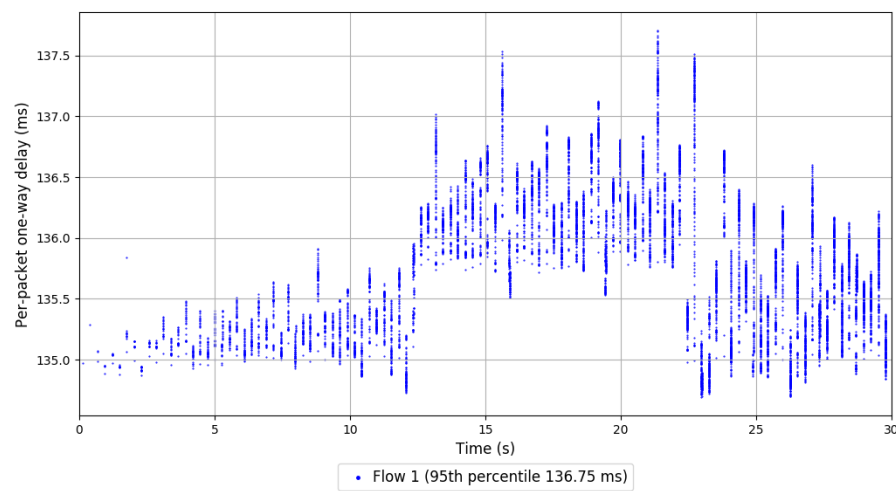
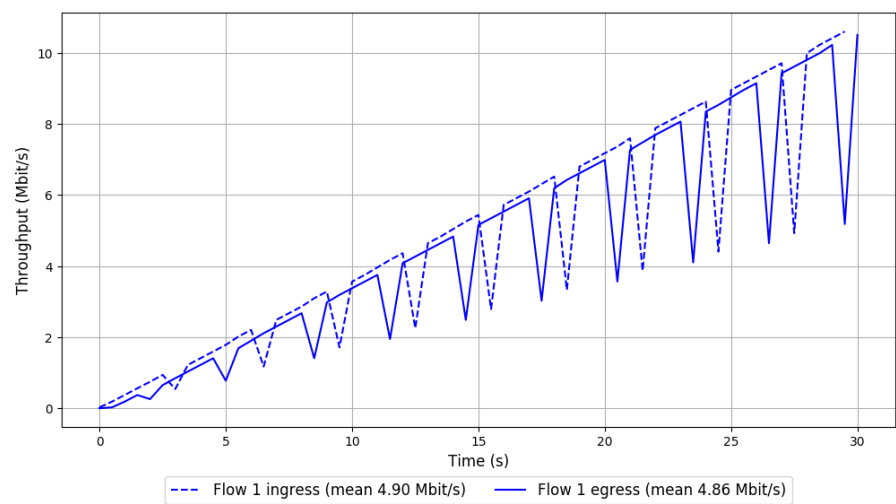
Run 3: Statistics of LEDBAT

Start at: 2018-05-25 10:03:38  
End at: 2018-05-25 10:04:08  
Local clock offset: -0.162 ms  
Remote clock offset: -0.177 ms

# Below is generated by plot.py at 2018-05-25 13:41:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 4.86 Mbit/s  
95th percentile per-packet one-way delay: 136.754 ms  
Loss rate: 1.82%  
-- Flow 1:  
Average throughput: 4.86 Mbit/s  
95th percentile per-packet one-way delay: 136.754 ms  
Loss rate: 1.82%



Run 3: Report of LEDBAT — Data Link

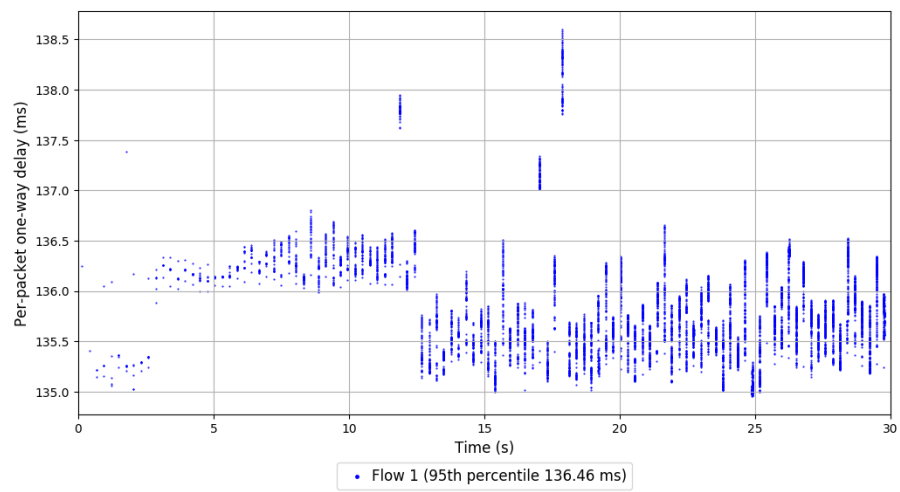
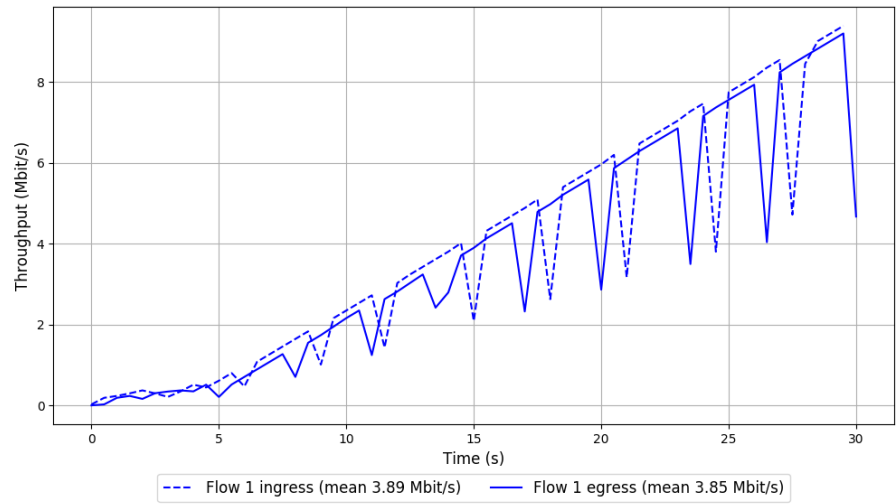


Run 4: Statistics of LEDBAT

Start at: 2018-05-25 10:25:08  
End at: 2018-05-25 10:25:38  
Local clock offset: 0.093 ms  
Remote clock offset: -0.204 ms

# Below is generated by plot.py at 2018-05-25 13:41:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 3.85 Mbit/s  
95th percentile per-packet one-way delay: 136.461 ms  
Loss rate: 2.03%  
-- Flow 1:  
Average throughput: 3.85 Mbit/s  
95th percentile per-packet one-way delay: 136.461 ms  
Loss rate: 2.03%

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

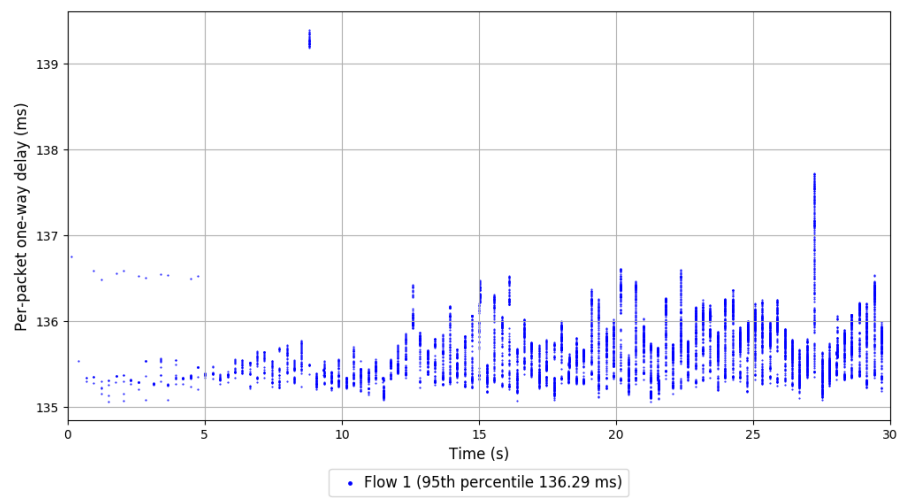
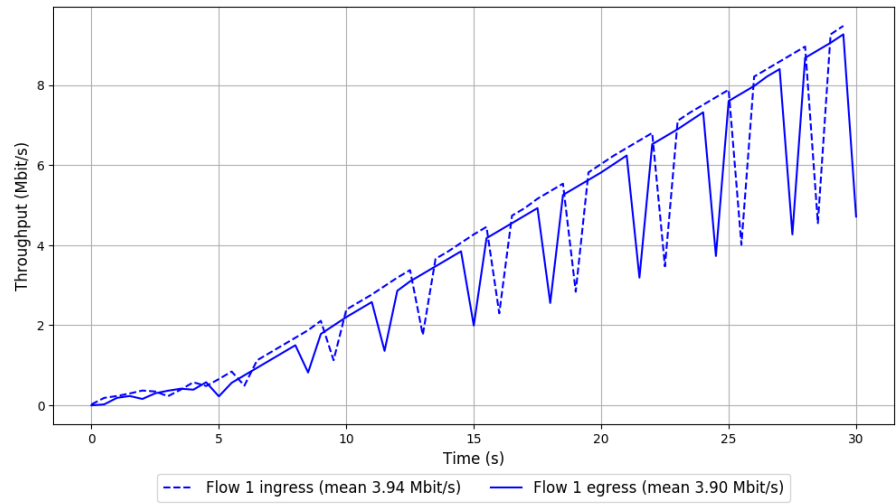


Run 5: Statistics of LEDBAT

Start at: 2018-05-25 10:46:11  
End at: 2018-05-25 10:46:41  
Local clock offset: 0.188 ms  
Remote clock offset: -0.265 ms

# Below is generated by plot.py at 2018-05-25 13:41:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 3.90 Mbit/s  
95th percentile per-packet one-way delay: 136.294 ms  
Loss rate: 2.02%  
-- Flow 1:  
Average throughput: 3.90 Mbit/s  
95th percentile per-packet one-way delay: 136.294 ms  
Loss rate: 2.02%

## Run 5: Report of LEDBAT — Data Link

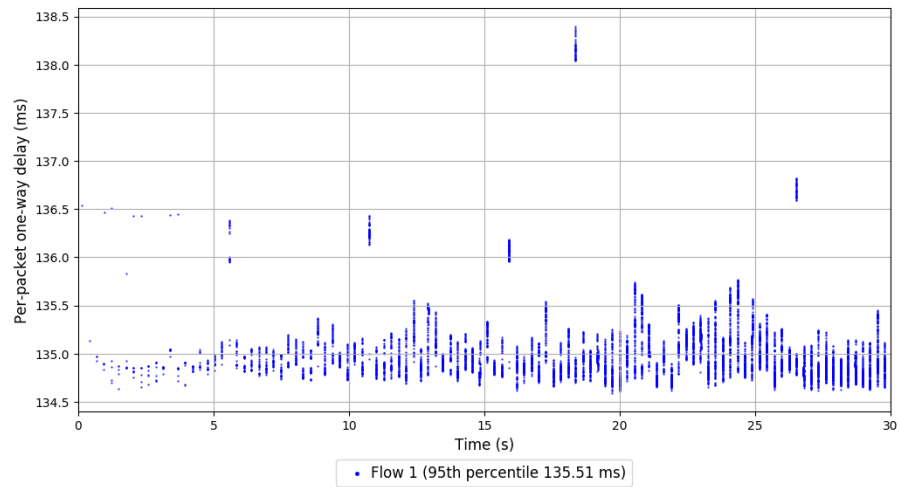
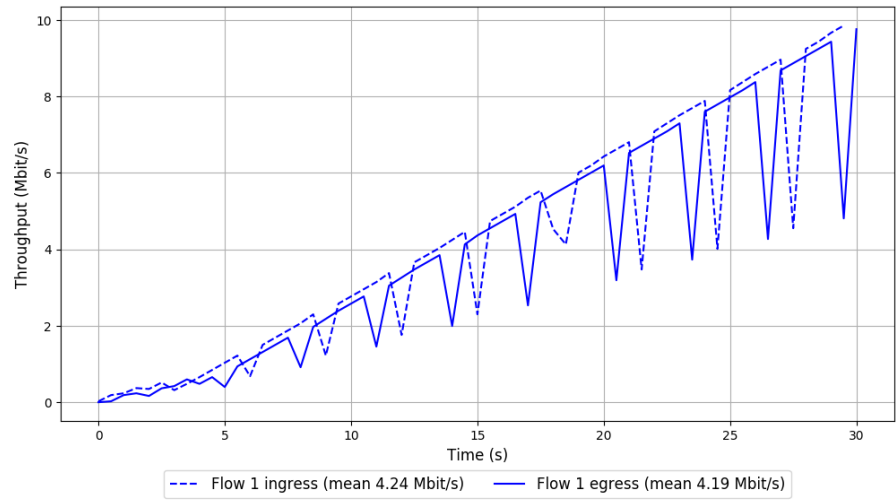


Run 6: Statistics of LEDBAT

Start at: 2018-05-25 11:07:02  
End at: 2018-05-25 11:07:32  
Local clock offset: -0.096 ms  
Remote clock offset: -0.169 ms

# Below is generated by plot.py at 2018-05-25 13:41:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 4.19 Mbit/s  
95th percentile per-packet one-way delay: 135.510 ms  
Loss rate: 1.95%  
-- Flow 1:  
Average throughput: 4.19 Mbit/s  
95th percentile per-packet one-way delay: 135.510 ms  
Loss rate: 1.95%

## Run 6: Report of LEDBAT — Data Link



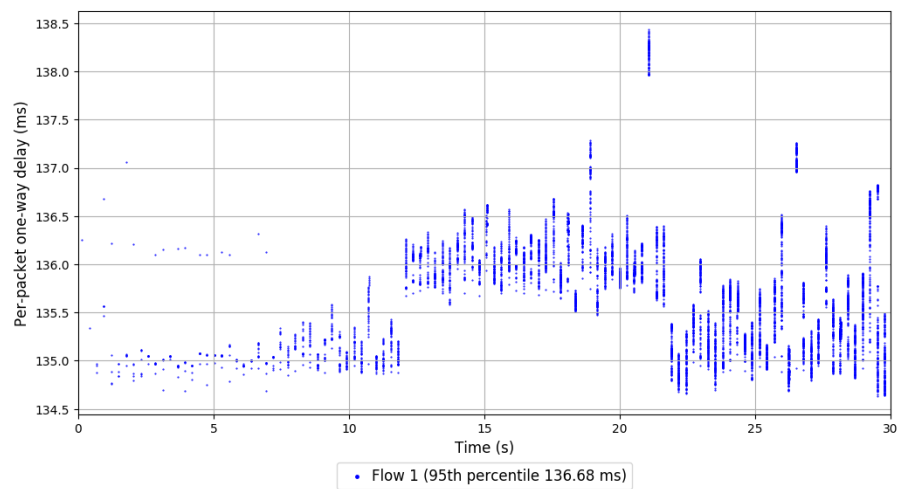
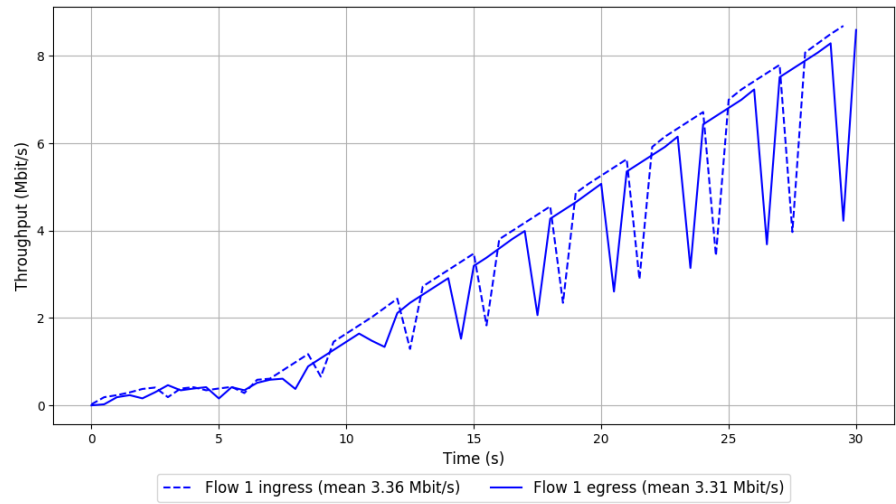
Run 7: Statistics of LEDBAT

Start at: 2018-05-25 11:28:29  
End at: 2018-05-25 11:28:59  
Local clock offset: -0.12 ms  
Remote clock offset: -0.185 ms

# Below is generated by plot.py at 2018-05-25 13:41:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 3.31 Mbit/s  
95th percentile per-packet one-way delay: 136.682 ms  
Loss rate: 2.17%  
-- Flow 1:  
Average throughput: 3.31 Mbit/s  
95th percentile per-packet one-way delay: 136.682 ms  
Loss rate: 2.17%



## Run 7: Report of LEDBAT — Data Link

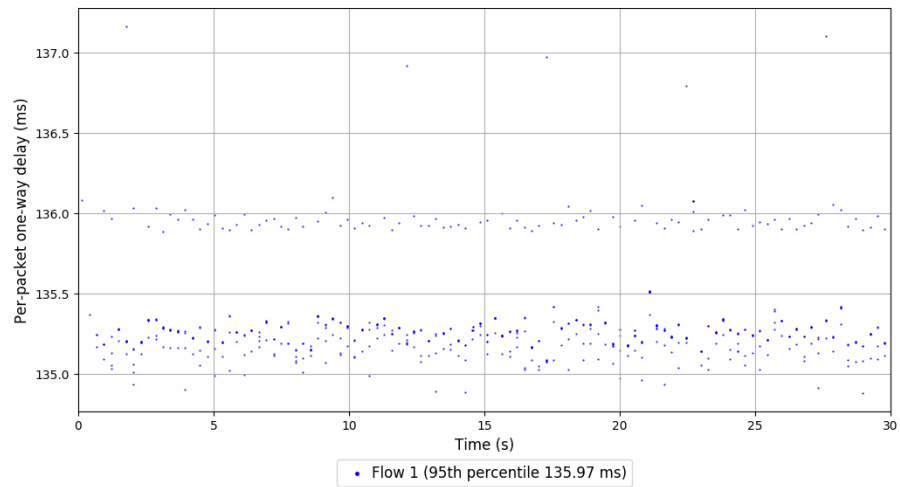
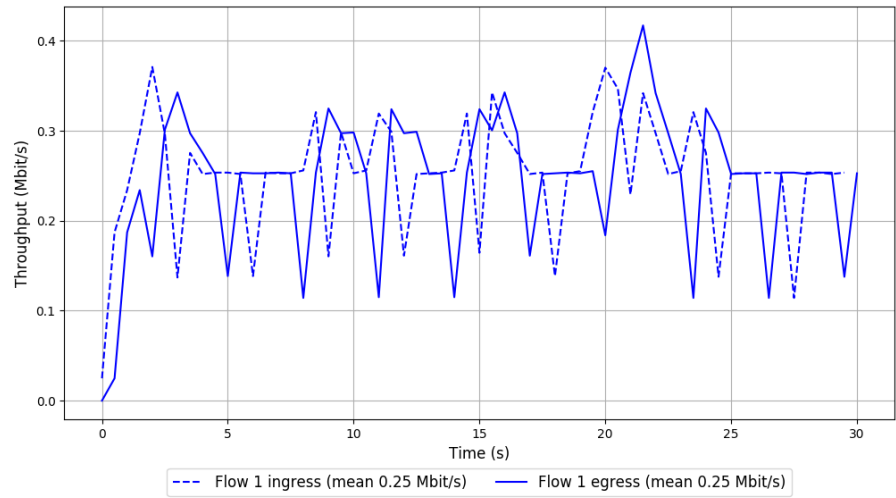


Run 8: Statistics of LEDBAT

Start at: 2018-05-25 11:50:09  
End at: 2018-05-25 11:50:39  
Local clock offset: 0.1 ms  
Remote clock offset: -0.176 ms

# Below is generated by plot.py at 2018-05-25 13:41:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.25 Mbit/s  
95th percentile per-packet one-way delay: 135.974 ms  
Loss rate: 0.76%  
-- Flow 1:  
Average throughput: 0.25 Mbit/s  
95th percentile per-packet one-way delay: 135.974 ms  
Loss rate: 0.76%

# Run 8: Report of LEDBAT — Data Link

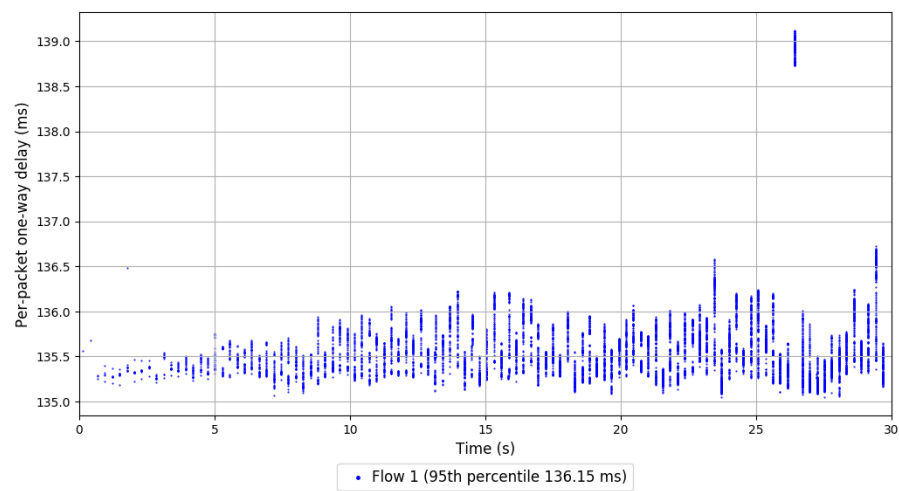
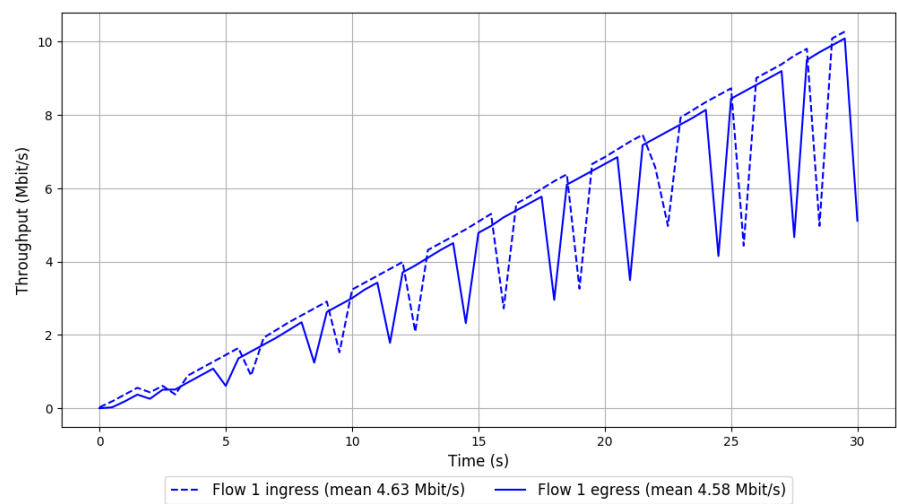


Run 9: Statistics of LEDBAT

Start at: 2018-05-25 12:11:32  
End at: 2018-05-25 12:12:02  
Local clock offset: -0.038 ms  
Remote clock offset: -0.607 ms

# Below is generated by plot.py at 2018-05-25 13:41:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 4.58 Mbit/s  
95th percentile per-packet one-way delay: 136.151 ms  
Loss rate: 1.87%  
-- Flow 1:  
Average throughput: 4.58 Mbit/s  
95th percentile per-packet one-way delay: 136.151 ms  
Loss rate: 1.87%

Run 9: Report of LEDBAT — Data Link

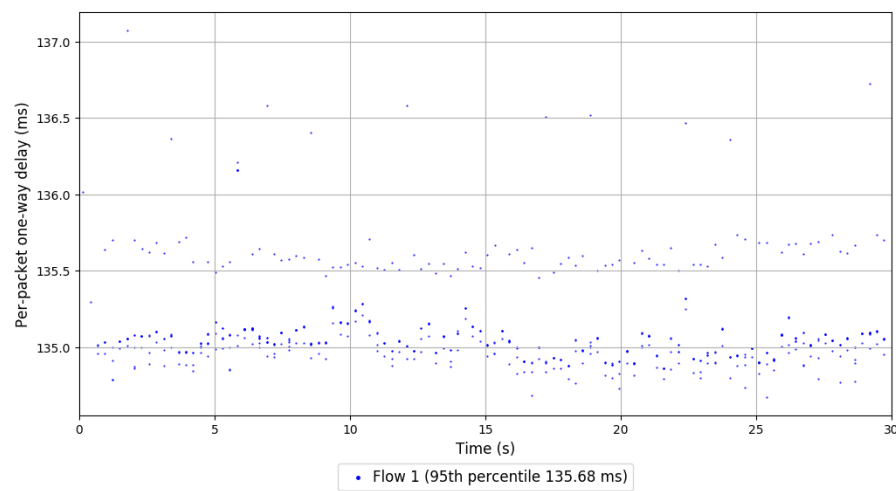
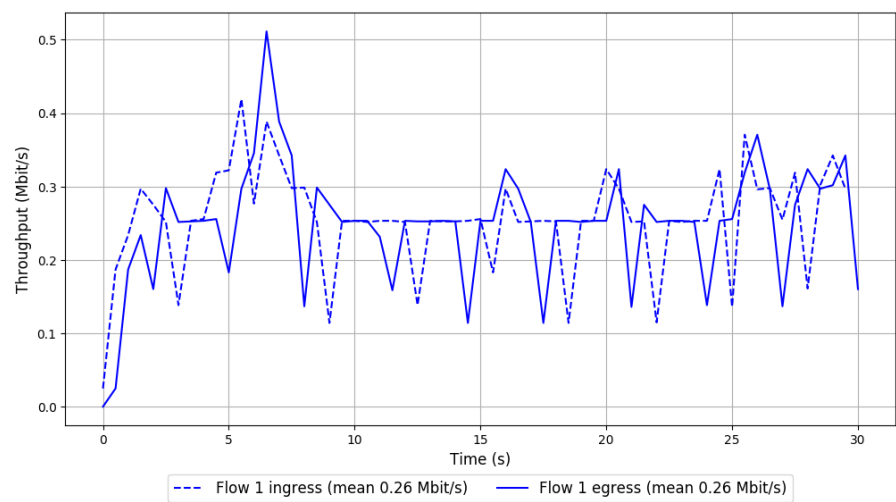


Run 10: Statistics of LEDBAT

Start at: 2018-05-25 12:32:55  
End at: 2018-05-25 12:33:25  
Local clock offset: -0.02 ms  
Remote clock offset: -0.225 ms

# Below is generated by plot.py at 2018-05-25 13:41:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.26 Mbit/s  
95th percentile per-packet one-way delay: 135.676 ms  
Loss rate: 0.89%  
-- Flow 1:  
Average throughput: 0.26 Mbit/s  
95th percentile per-packet one-way delay: 135.676 ms  
Loss rate: 0.89%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-05-25 09:36:07

End at: 2018-05-25 09:36:37

Local clock offset: -0.038 ms

Remote clock offset: -0.198 ms

# Below is generated by plot.py at 2018-05-25 13:41:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 528.04 Mbit/s

95th percentile per-packet one-way delay: 174.485 ms

Loss rate: 2.18%

-- Flow 1:

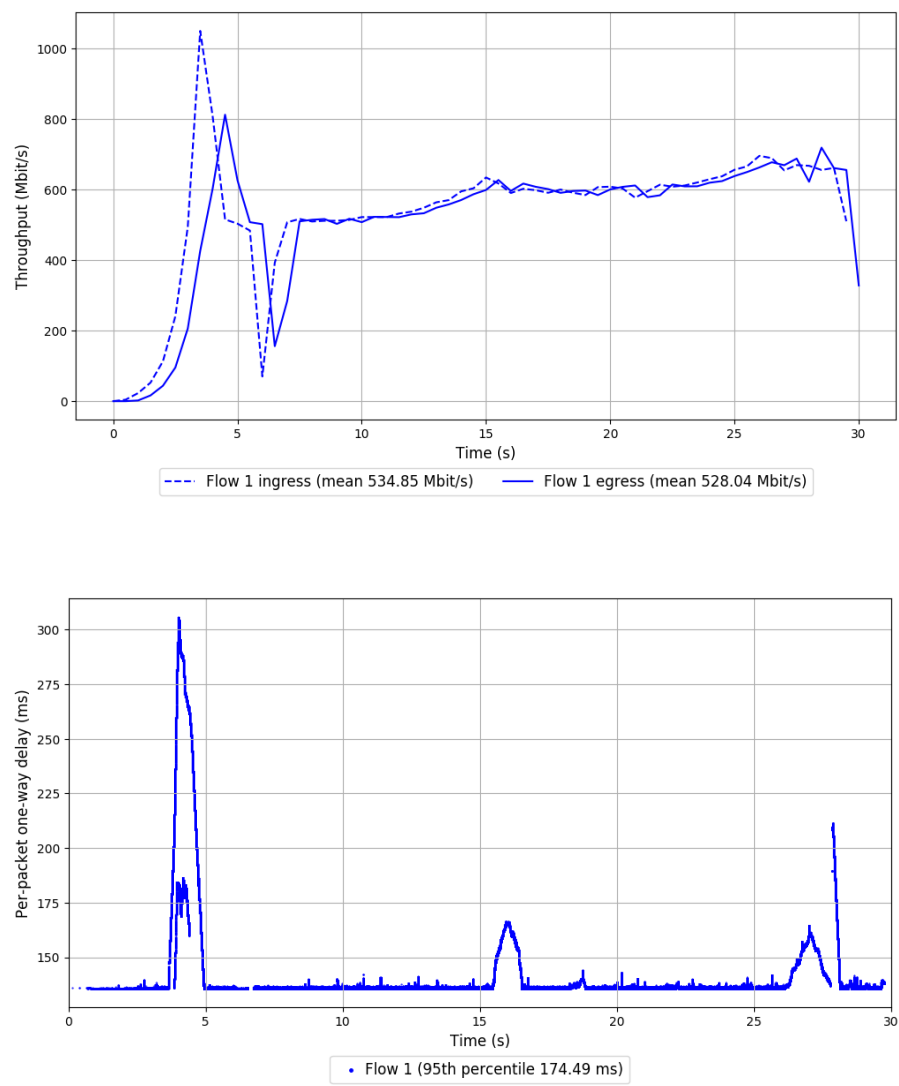
Average throughput: 528.04 Mbit/s

95th percentile per-packet one-way delay: 174.485 ms

Loss rate: 2.18%



Run 1: Report of PCC-Allegro — Data Link

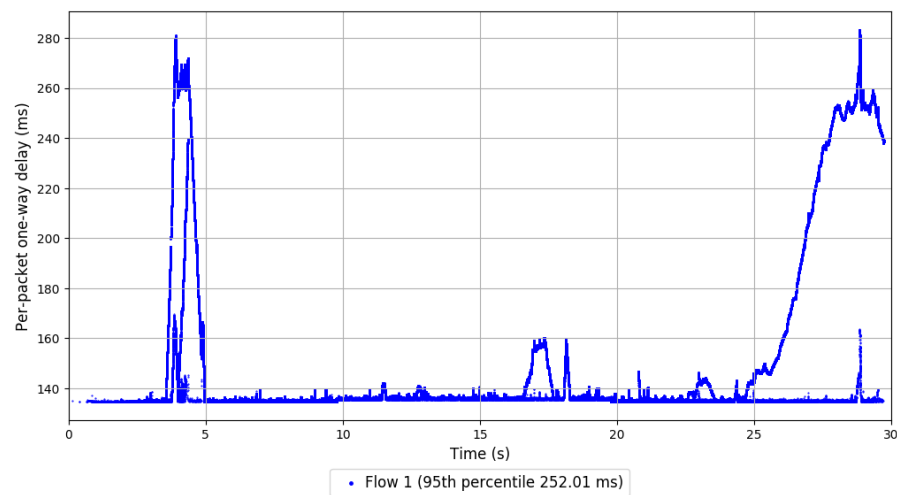
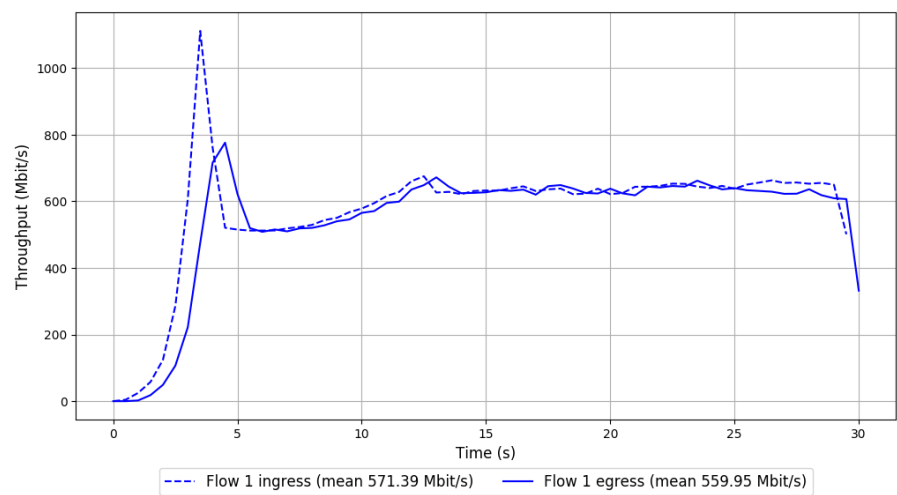


Run 2: Statistics of PCC-Allegro

Start at: 2018-05-25 09:57:11  
End at: 2018-05-25 09:57:41  
Local clock offset: -0.142 ms  
Remote clock offset: -0.163 ms

# Below is generated by plot.py at 2018-05-25 13:41:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 559.95 Mbit/s  
95th percentile per-packet one-way delay: 252.006 ms  
Loss rate: 2.89%  
-- Flow 1:  
Average throughput: 559.95 Mbit/s  
95th percentile per-packet one-way delay: 252.006 ms  
Loss rate: 2.89%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-05-25 10:18:33

End at: 2018-05-25 10:19:03

Local clock offset: 0.353 ms

Remote clock offset: -0.528 ms

# Below is generated by plot.py at 2018-05-25 13:41:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 554.81 Mbit/s

95th percentile per-packet one-way delay: 250.152 ms

Loss rate: 2.50%

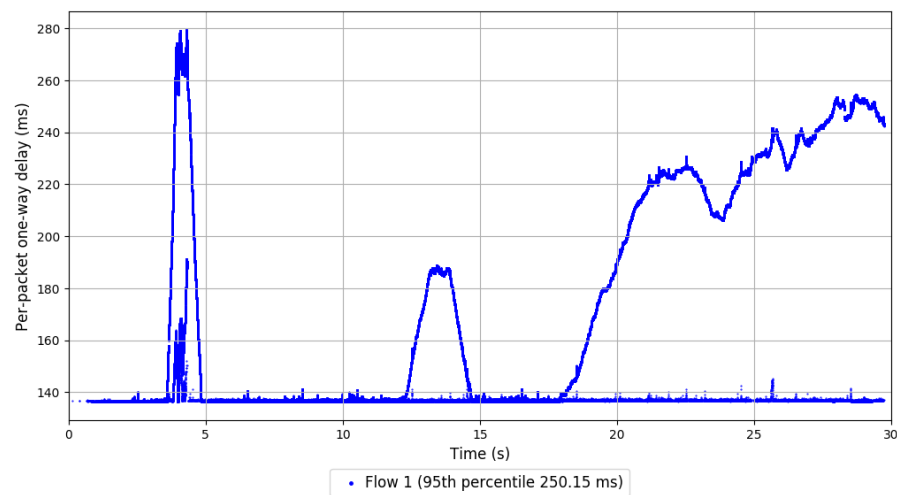
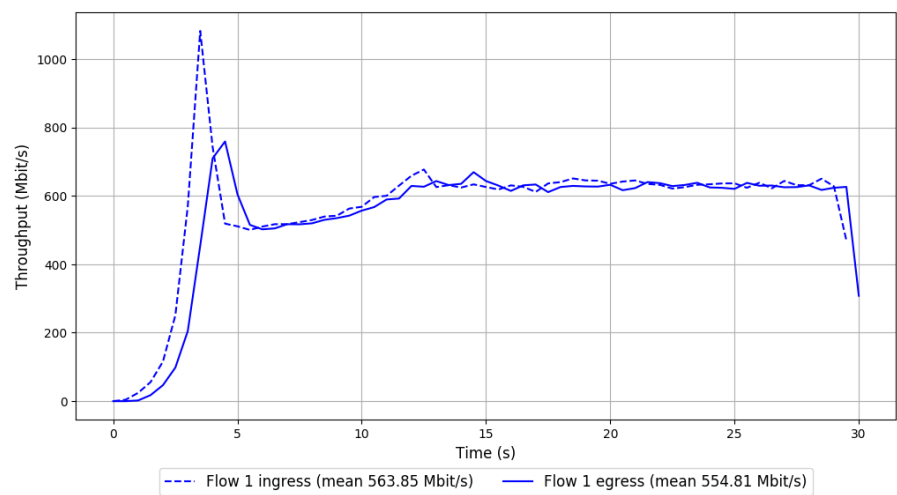
-- Flow 1:

Average throughput: 554.81 Mbit/s

95th percentile per-packet one-way delay: 250.152 ms

Loss rate: 2.50%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-05-25 10:39:53

End at: 2018-05-25 10:40:23

Local clock offset: -0.177 ms

Remote clock offset: -0.215 ms

# Below is generated by plot.py at 2018-05-25 13:41:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 536.32 Mbit/s

95th percentile per-packet one-way delay: 176.936 ms

Loss rate: 2.21%

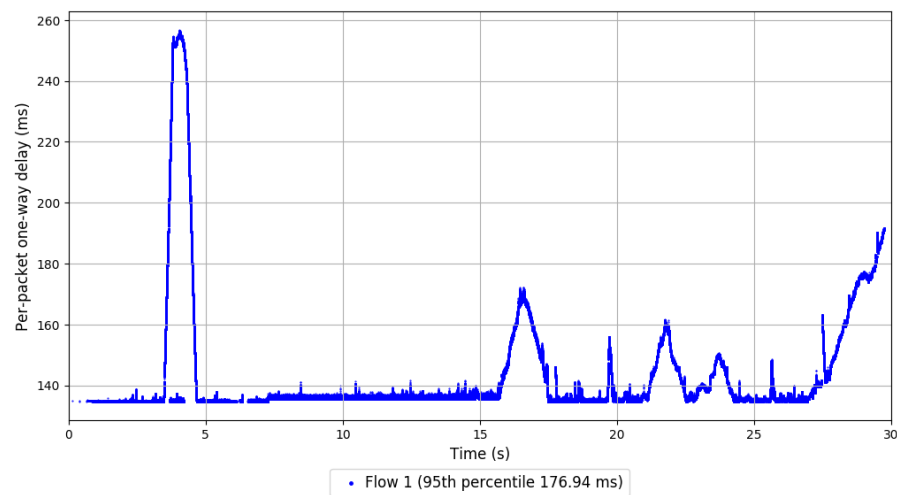
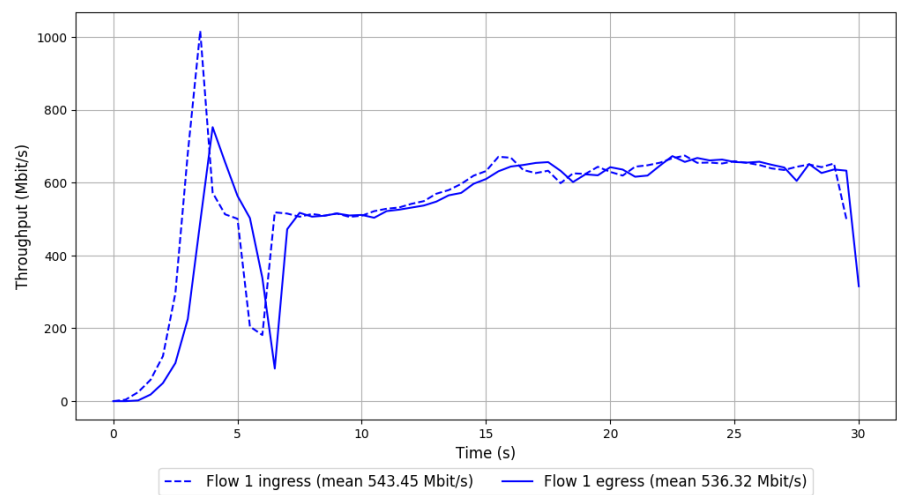
-- Flow 1:

Average throughput: 536.32 Mbit/s

95th percentile per-packet one-way delay: 176.936 ms

Loss rate: 2.21%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-05-25 11:00:43

End at: 2018-05-25 11:01:13

Local clock offset: -0.027 ms

Remote clock offset: -0.195 ms

# Below is generated by plot.py at 2018-05-25 13:41:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 515.97 Mbit/s

95th percentile per-packet one-way delay: 233.042 ms

Loss rate: 2.25%

-- Flow 1:

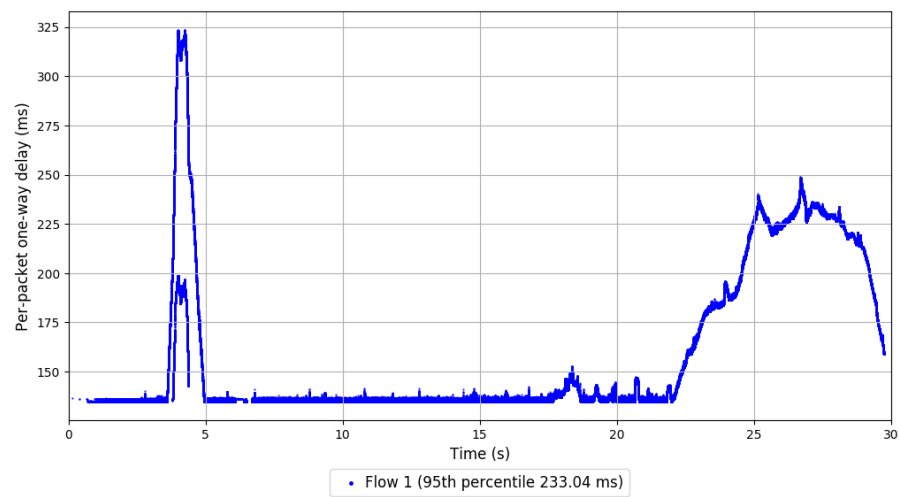
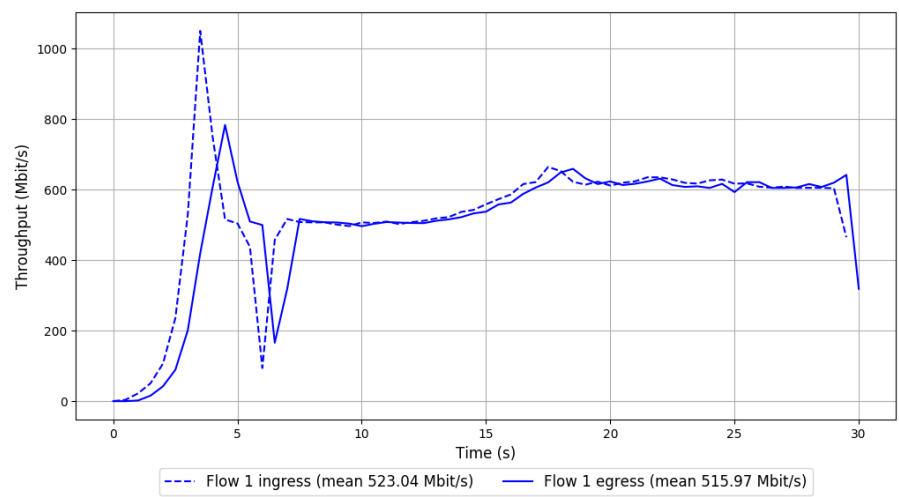
Average throughput: 515.97 Mbit/s

95th percentile per-packet one-way delay: 233.042 ms

Loss rate: 2.25%



Run 5: Report of PCC-Allegro — Data Link

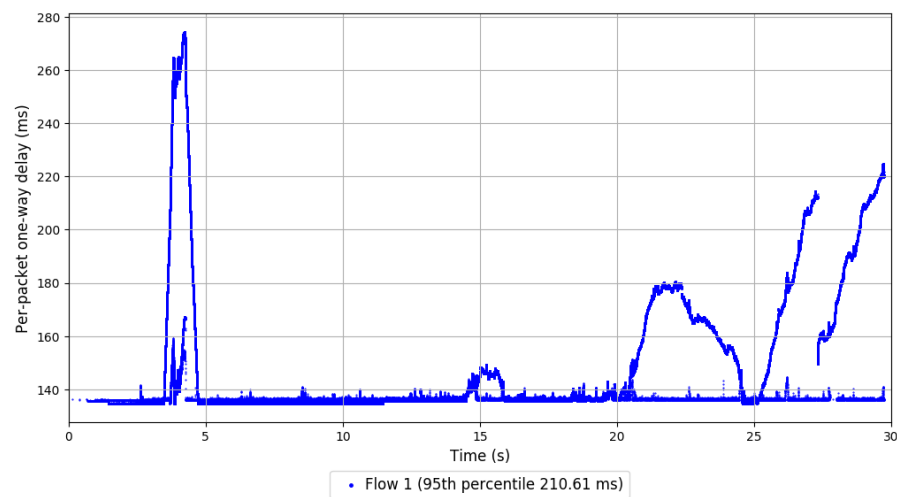
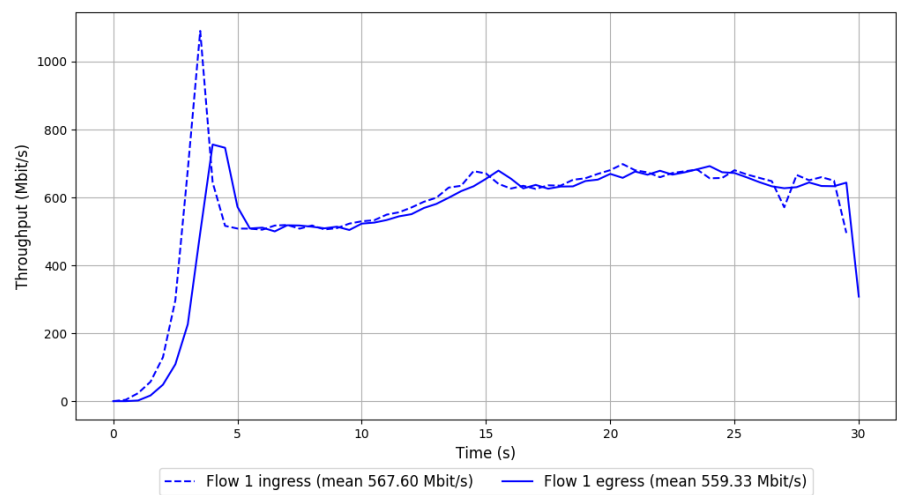


Run 6: Statistics of PCC-Allegro

Start at: 2018-05-25 11:21:59  
End at: 2018-05-25 11:22:29  
Local clock offset: -0.031 ms  
Remote clock offset: -0.149 ms

# Below is generated by plot.py at 2018-05-25 13:41:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 559.33 Mbit/s  
95th percentile per-packet one-way delay: 210.610 ms  
Loss rate: 2.35%  
-- Flow 1:  
Average throughput: 559.33 Mbit/s  
95th percentile per-packet one-way delay: 210.610 ms  
Loss rate: 2.35%

Run 6: Report of PCC-Allegro — Data Link

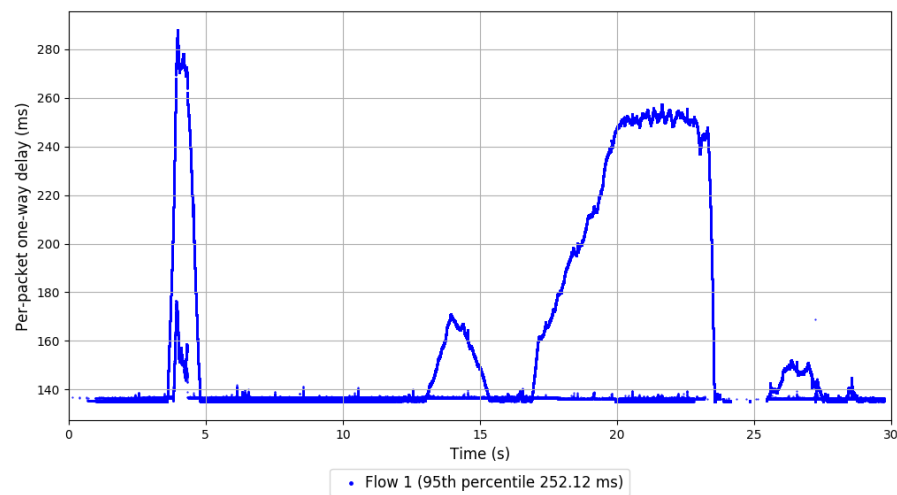
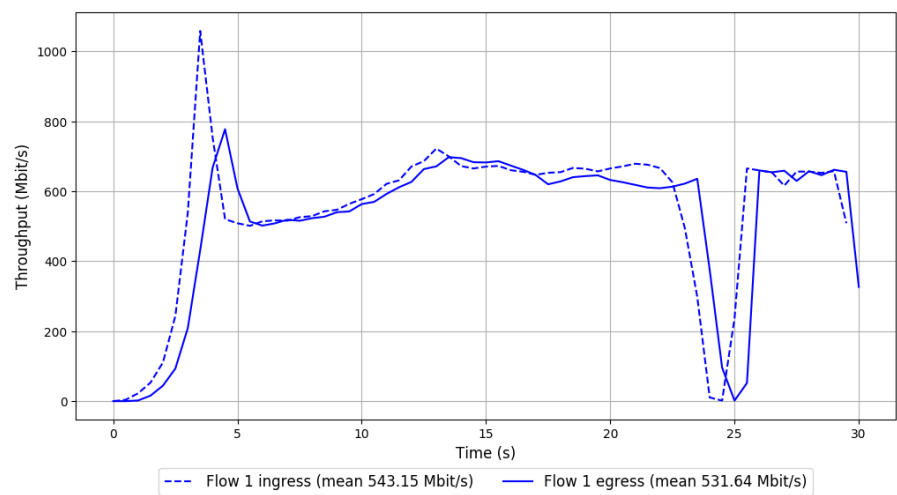


Run 7: Statistics of PCC-Allegro

Start at: 2018-05-25 11:43:41  
End at: 2018-05-25 11:44:11  
Local clock offset: -0.027 ms  
Remote clock offset: -0.573 ms

# Below is generated by plot.py at 2018-05-25 13:48:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 531.64 Mbit/s  
95th percentile per-packet one-way delay: 252.124 ms  
Loss rate: 3.02%  
-- Flow 1:  
Average throughput: 531.64 Mbit/s  
95th percentile per-packet one-way delay: 252.124 ms  
Loss rate: 3.02%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-05-25 12:05:08

End at: 2018-05-25 12:05:38

Local clock offset: -0.003 ms

Remote clock offset: -0.577 ms

# Below is generated by plot.py at 2018-05-25 13:49:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 549.49 Mbit/s

95th percentile per-packet one-way delay: 164.043 ms

Loss rate: 2.22%

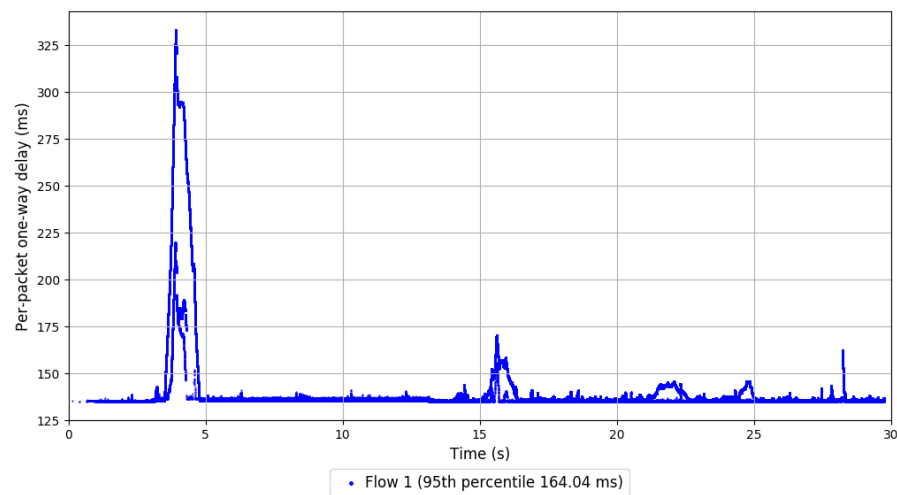
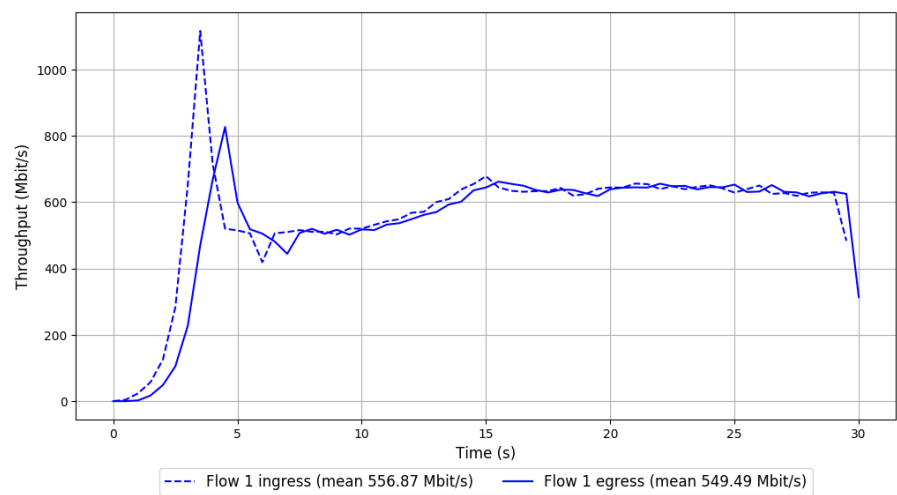
-- Flow 1:

Average throughput: 549.49 Mbit/s

95th percentile per-packet one-way delay: 164.043 ms

Loss rate: 2.22%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-05-25 12:26:26

End at: 2018-05-25 12:26:56

Local clock offset: -0.146 ms

Remote clock offset: -0.615 ms

# Below is generated by plot.py at 2018-05-25 13:49:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 541.51 Mbit/s

95th percentile per-packet one-way delay: 213.619 ms

Loss rate: 2.15%

-- Flow 1:

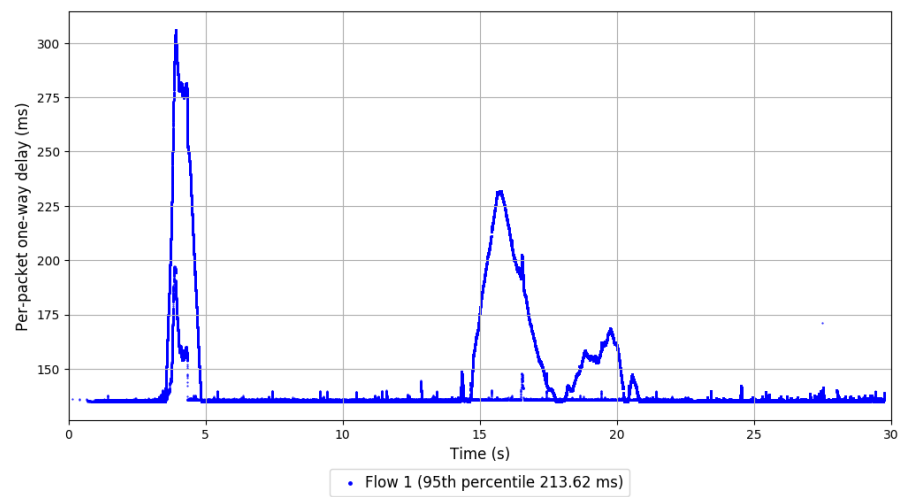
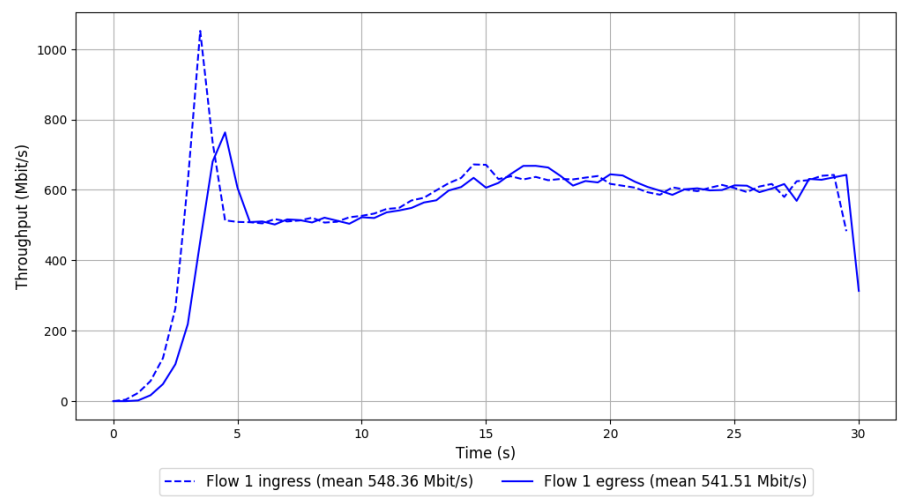
Average throughput: 541.51 Mbit/s

95th percentile per-packet one-way delay: 213.619 ms

Loss rate: 2.15%



Run 9: Report of PCC-Allegro — Data Link

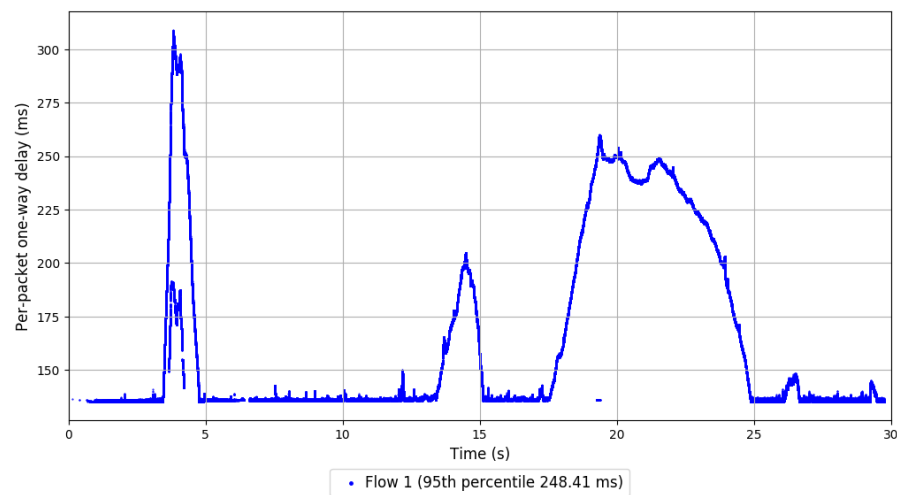
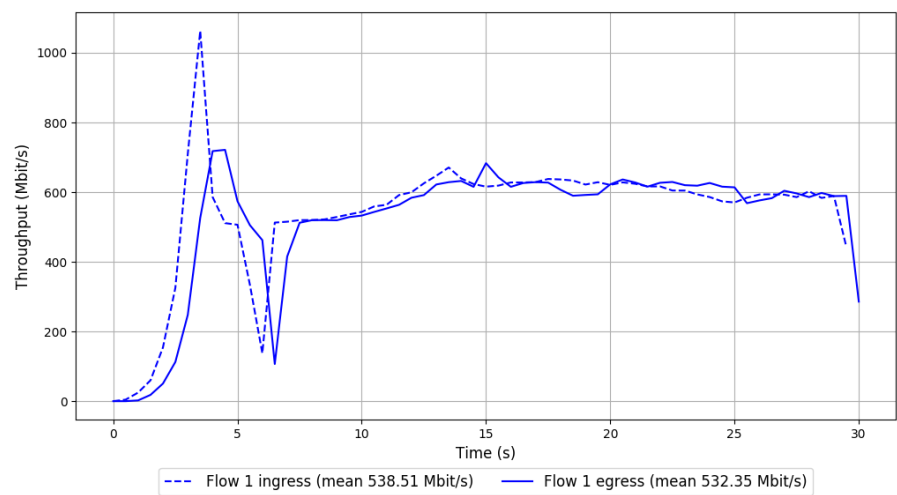


Run 10: Statistics of PCC-Allegro

Start at: 2018-05-25 12:48:06  
End at: 2018-05-25 12:48:36  
Local clock offset: -0.129 ms  
Remote clock offset: -0.592 ms

# Below is generated by plot.py at 2018-05-25 13:49:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 532.35 Mbit/s  
95th percentile per-packet one-way delay: 248.414 ms  
Loss rate: 2.04%  
-- Flow 1:  
Average throughput: 532.35 Mbit/s  
95th percentile per-packet one-way delay: 248.414 ms  
Loss rate: 2.04%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-05-25 09:26:13

End at: 2018-05-25 09:26:43

Local clock offset: 0.143 ms

Remote clock offset: -0.242 ms

# Below is generated by plot.py at 2018-05-25 13:49:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 300.92 Mbit/s

95th percentile per-packet one-way delay: 233.589 ms

Loss rate: 3.24%

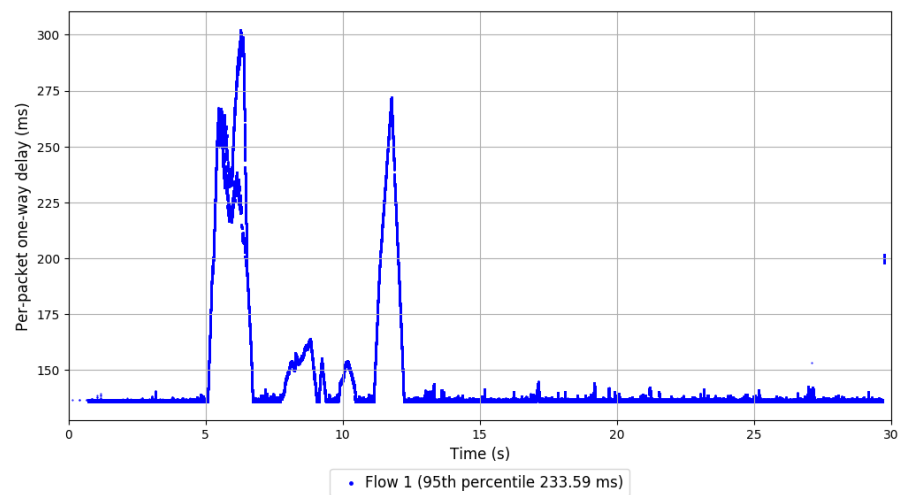
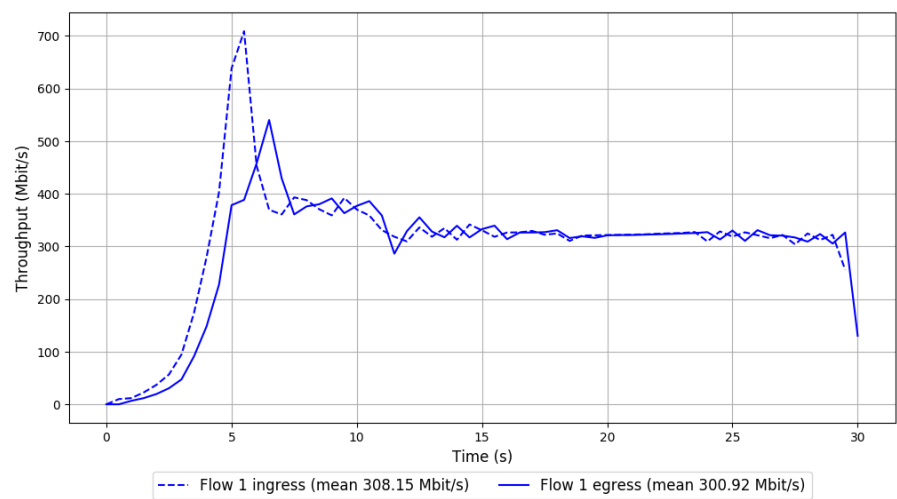
-- Flow 1:

Average throughput: 300.92 Mbit/s

95th percentile per-packet one-way delay: 233.589 ms

Loss rate: 3.24%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-05-25 09:47:36

End at: 2018-05-25 09:48:06

Local clock offset: -0.076 ms

Remote clock offset: 0.169 ms

# Below is generated by plot.py at 2018-05-25 13:50:10

# Datalink statistics

-- Total of 1 flow:

Average throughput: 302.87 Mbit/s

95th percentile per-packet one-way delay: 224.152 ms

Loss rate: 1.90%

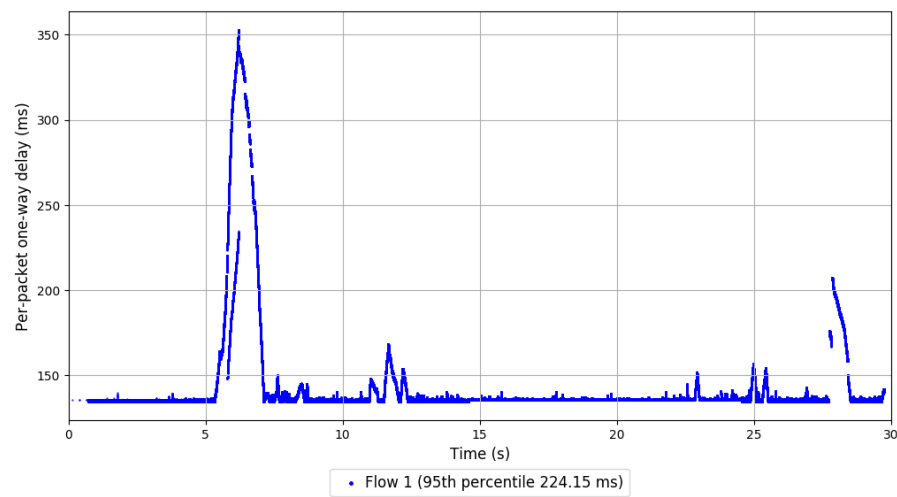
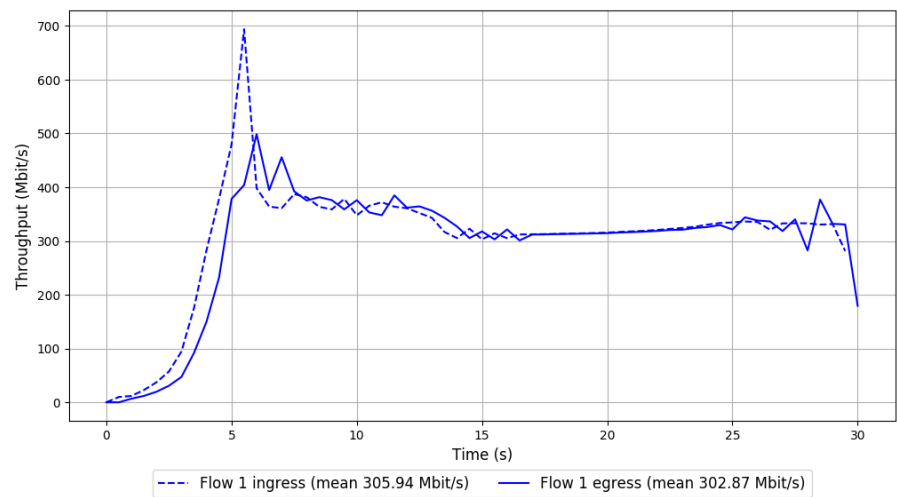
-- Flow 1:

Average throughput: 302.87 Mbit/s

95th percentile per-packet one-way delay: 224.152 ms

Loss rate: 1.90%

Run 2: Report of PCC-Expr — Data Link



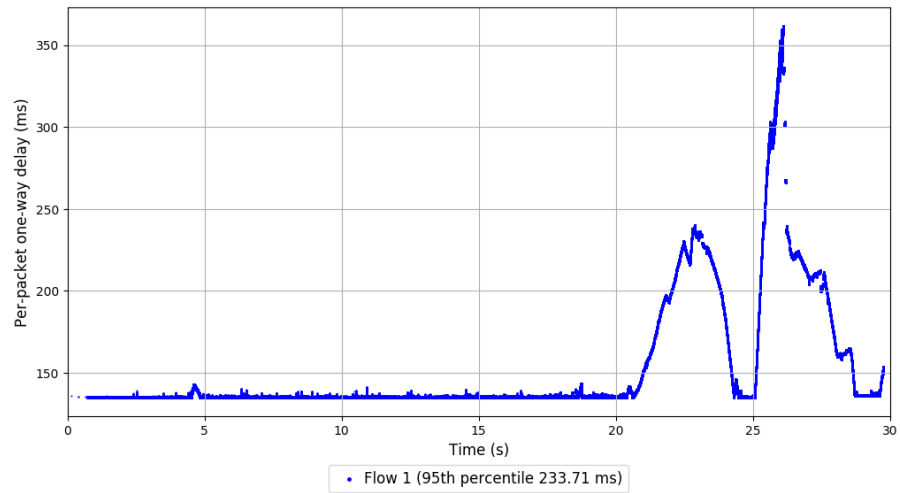
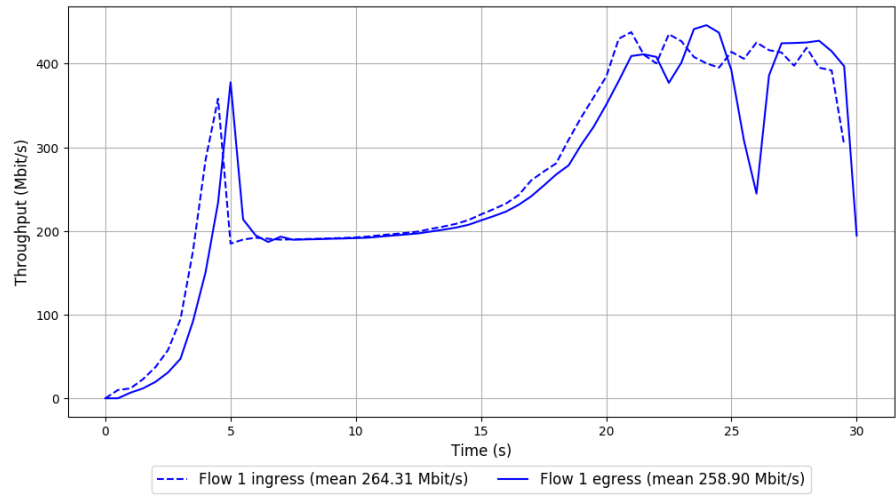
Run 3: Statistics of PCC-Expr

Start at: 2018-05-25 10:08:45  
End at: 2018-05-25 10:09:15  
Local clock offset: -0.109 ms  
Remote clock offset: -0.152 ms

# Below is generated by plot.py at 2018-05-25 13:50:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 258.90 Mbit/s  
95th percentile per-packet one-way delay: 233.706 ms  
Loss rate: 2.94%  
-- Flow 1:  
Average throughput: 258.90 Mbit/s  
95th percentile per-packet one-way delay: 233.706 ms  
Loss rate: 2.94%



### Run 3: Report of PCC-Expr — Data Link

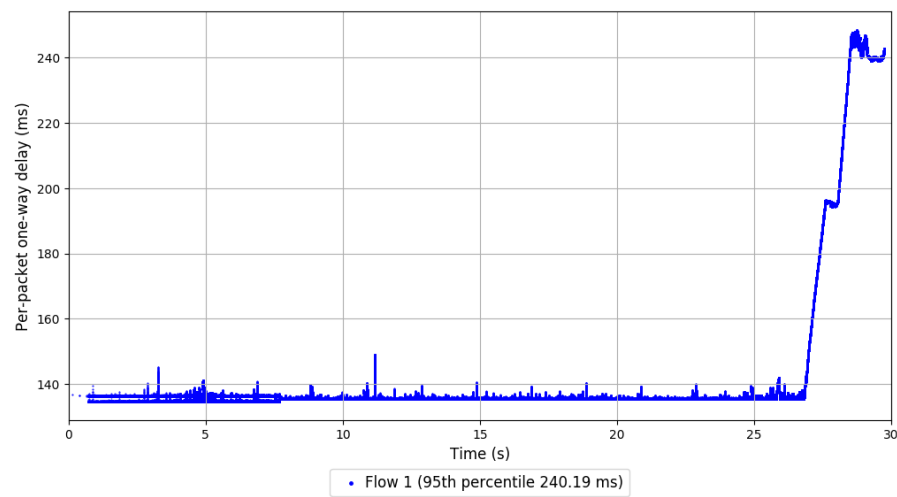
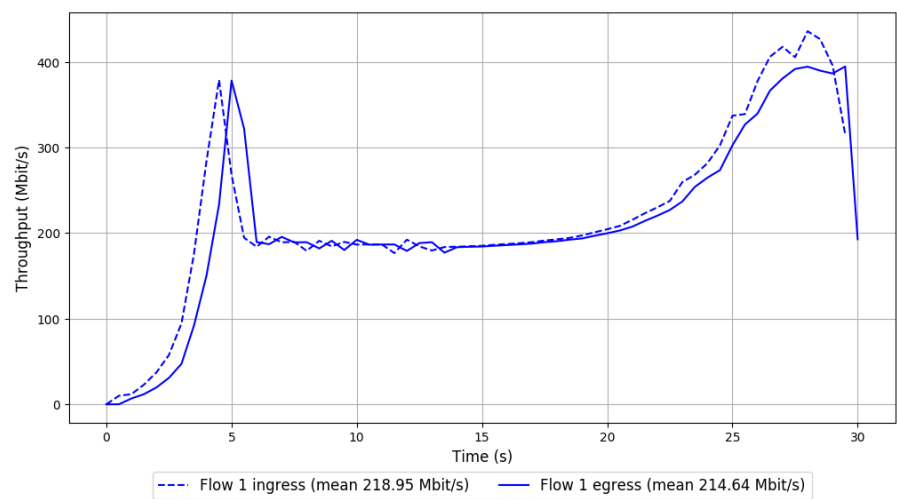


Run 4: Statistics of PCC-Expr

Start at: 2018-05-25 10:30:13  
End at: 2018-05-25 10:30:43  
Local clock offset: -0.318 ms  
Remote clock offset: -0.234 ms

# Below is generated by plot.py at 2018-05-25 13:50:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 214.64 Mbit/s  
95th percentile per-packet one-way delay: 240.195 ms  
Loss rate: 2.86%  
-- Flow 1:  
Average throughput: 214.64 Mbit/s  
95th percentile per-packet one-way delay: 240.195 ms  
Loss rate: 2.86%

Run 4: Report of PCC-Expr — Data Link

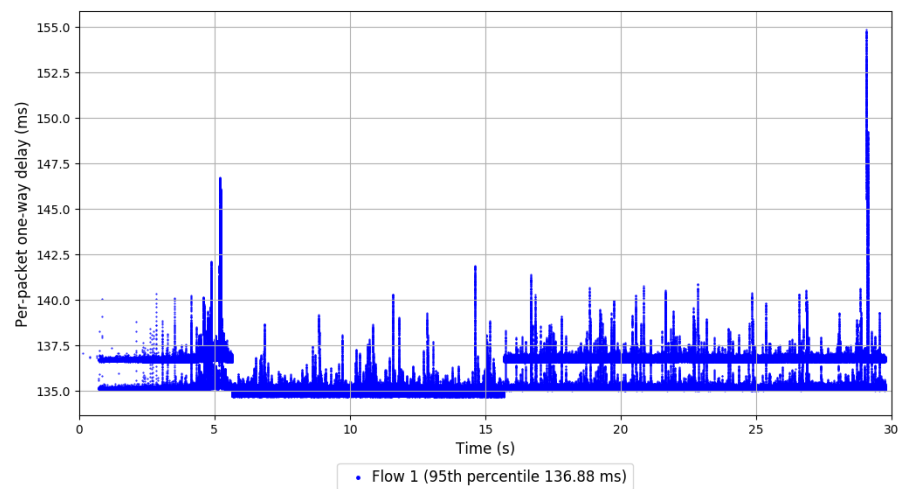
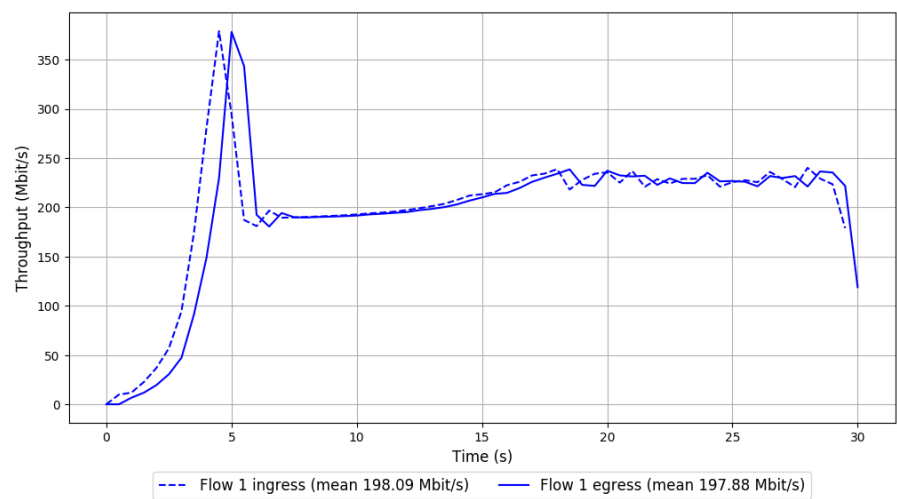


Run 5: Statistics of PCC-Expr

Start at: 2018-05-25 10:51:15  
End at: 2018-05-25 10:51:45  
Local clock offset: 0.162 ms  
Remote clock offset: -0.269 ms

# Below is generated by plot.py at 2018-05-25 13:55:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 197.88 Mbit/s  
95th percentile per-packet one-way delay: 136.879 ms  
Loss rate: 1.02%  
-- Flow 1:  
Average throughput: 197.88 Mbit/s  
95th percentile per-packet one-way delay: 136.879 ms  
Loss rate: 1.02%

Run 5: Report of PCC-Expr — Data Link

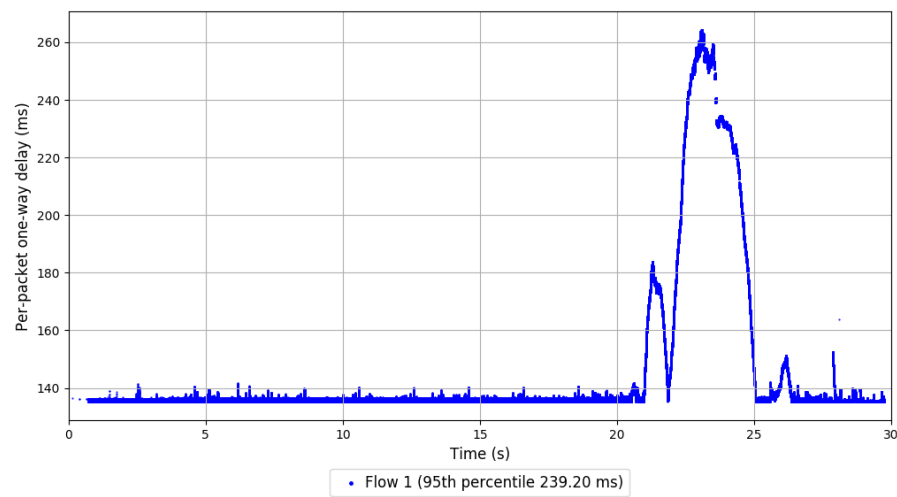
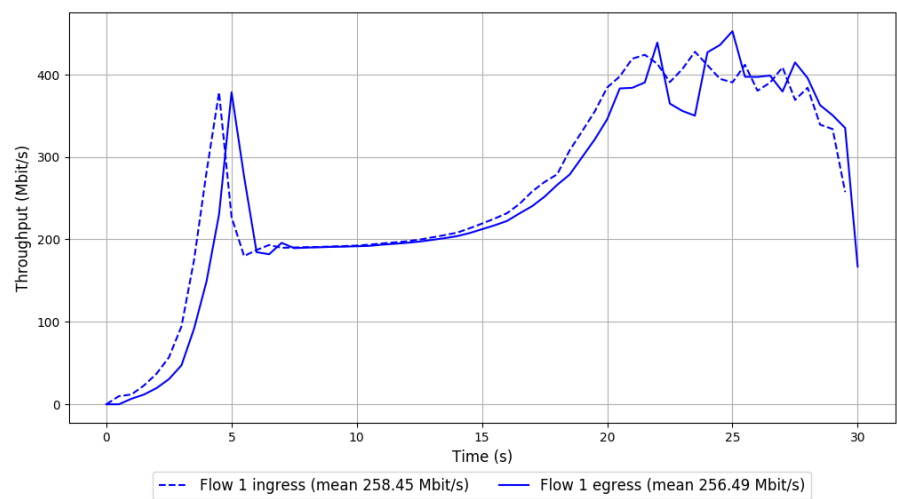


Run 6: Statistics of PCC-Expr

Start at: 2018-05-25 11:12:03  
End at: 2018-05-25 11:12:33  
Local clock offset: 0.187 ms  
Remote clock offset: -0.569 ms

# Below is generated by plot.py at 2018-05-25 13:58:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 256.49 Mbit/s  
95th percentile per-packet one-way delay: 239.196 ms  
Loss rate: 1.66%  
-- Flow 1:  
Average throughput: 256.49 Mbit/s  
95th percentile per-packet one-way delay: 239.196 ms  
Loss rate: 1.66%

Run 6: Report of PCC-Expr — Data Link



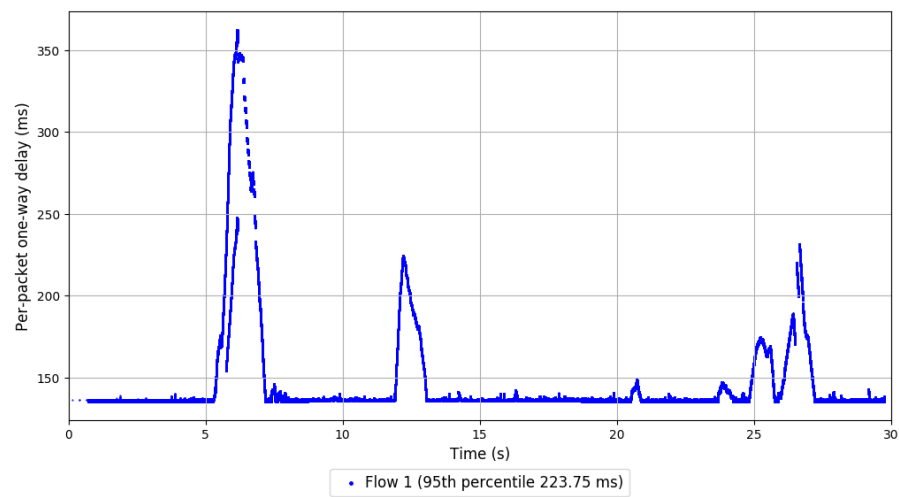
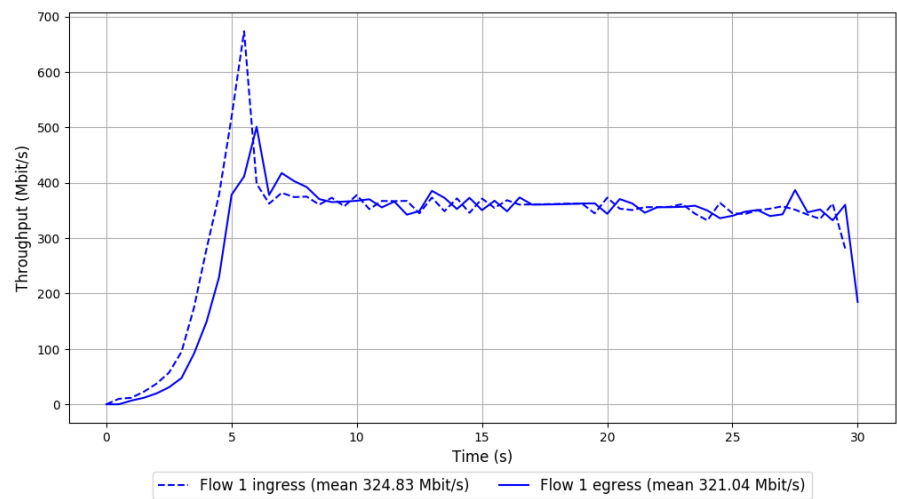
Run 7: Statistics of PCC-Expr

Start at: 2018-05-25 11:33:32  
End at: 2018-05-25 11:34:02  
Local clock offset: 0.374 ms  
Remote clock offset: -0.193 ms

# Below is generated by plot.py at 2018-05-25 14:00:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 321.04 Mbit/s  
95th percentile per-packet one-way delay: 223.748 ms  
Loss rate: 2.07%  
-- Flow 1:  
Average throughput: 321.04 Mbit/s  
95th percentile per-packet one-way delay: 223.748 ms  
Loss rate: 2.07%



Run 7: Report of PCC-Expr — Data Link

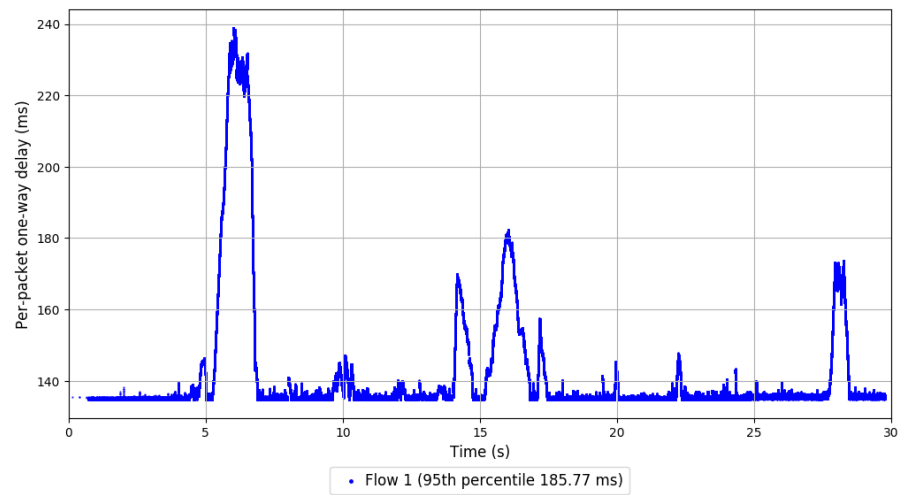
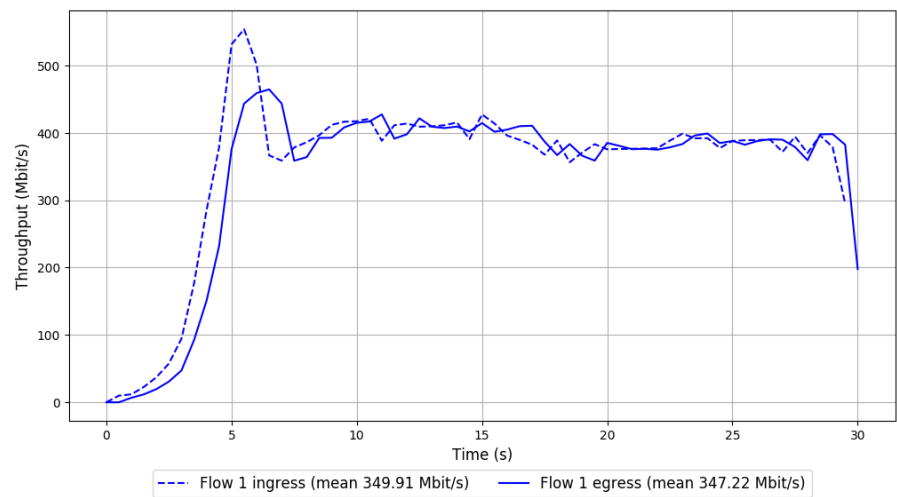


Run 8: Statistics of PCC-Expr

Start at: 2018-05-25 11:55:16  
End at: 2018-05-25 11:55:46  
Local clock offset: 0.046 ms  
Remote clock offset: -0.183 ms

# Below is generated by plot.py at 2018-05-25 14:01:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 347.22 Mbit/s  
95th percentile per-packet one-way delay: 185.768 ms  
Loss rate: 1.67%  
-- Flow 1:  
Average throughput: 347.22 Mbit/s  
95th percentile per-packet one-way delay: 185.768 ms  
Loss rate: 1.67%

Run 8: Report of PCC-Expr — Data Link

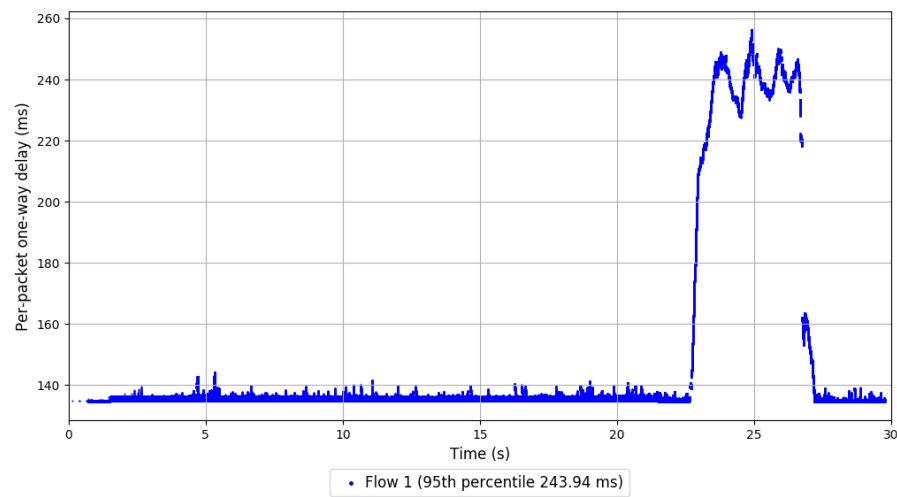
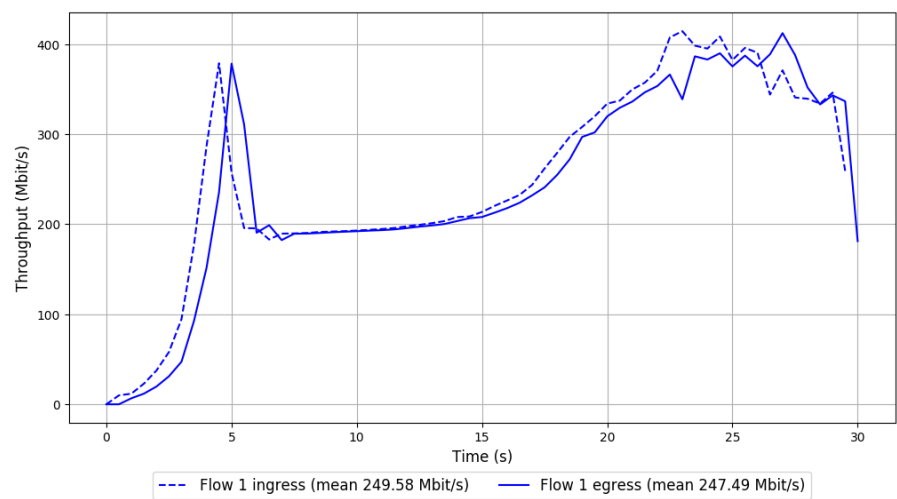


Run 9: Statistics of PCC-Expr

Start at: 2018-05-25 12:16:39  
End at: 2018-05-25 12:17:09  
Local clock offset: 0.055 ms  
Remote clock offset: -0.241 ms

# Below is generated by plot.py at 2018-05-25 14:01:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 247.49 Mbit/s  
95th percentile per-packet one-way delay: 243.942 ms  
Loss rate: 1.74%  
-- Flow 1:  
Average throughput: 247.49 Mbit/s  
95th percentile per-packet one-way delay: 243.942 ms  
Loss rate: 1.74%

Run 9: Report of PCC-Expr — Data Link

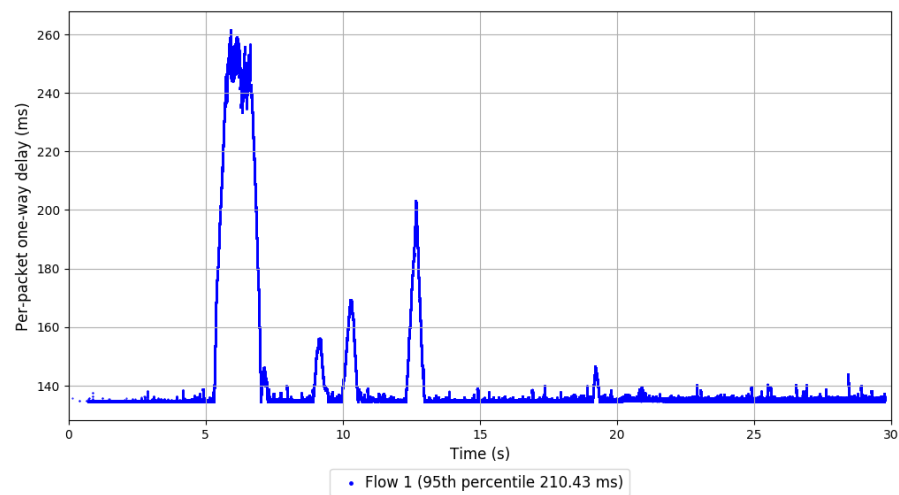
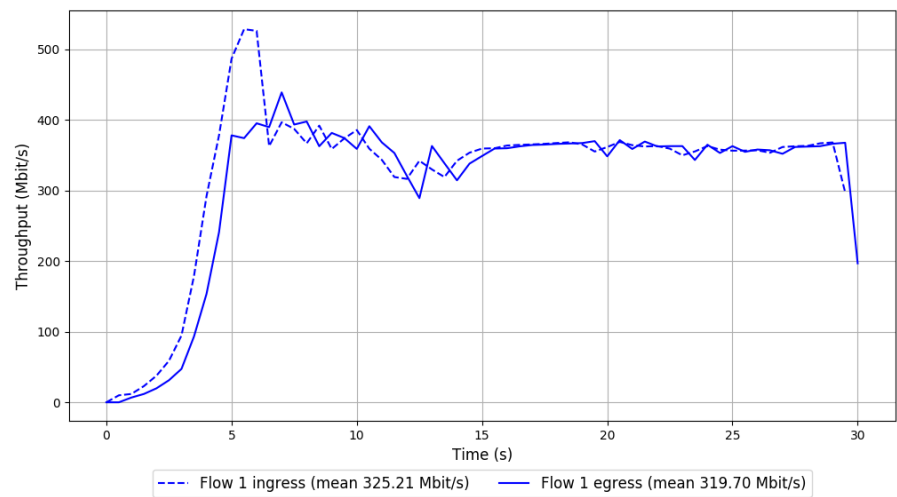


Run 10: Statistics of PCC-Expr

Start at: 2018-05-25 12:37:59  
End at: 2018-05-25 12:38:29  
Local clock offset: -0.208 ms  
Remote clock offset: -0.229 ms

# Below is generated by plot.py at 2018-05-25 14:01:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 319.70 Mbit/s  
95th percentile per-packet one-way delay: 210.432 ms  
Loss rate: 2.59%  
-- Flow 1:  
Average throughput: 319.70 Mbit/s  
95th percentile per-packet one-way delay: 210.432 ms  
Loss rate: 2.59%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-05-25 09:25:01

End at: 2018-05-25 09:25:31

Local clock offset: -0.026 ms

Remote clock offset: -0.274 ms

# Below is generated by plot.py at 2018-05-25 14:01:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 53.73 Mbit/s

95th percentile per-packet one-way delay: 136.296 ms

Loss rate: 1.35%

-- Flow 1:

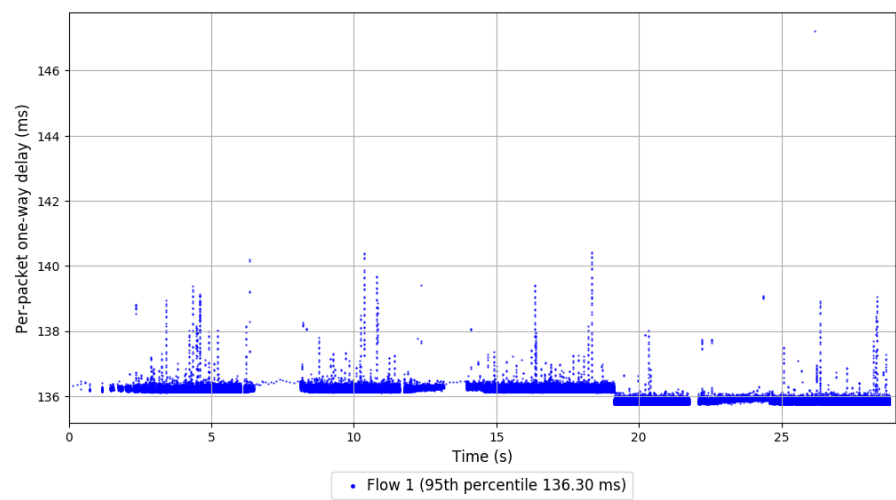
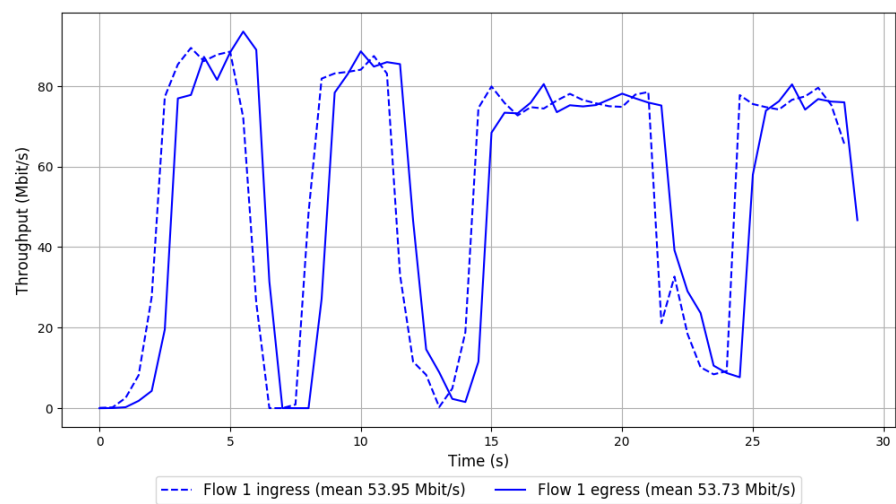
Average throughput: 53.73 Mbit/s

95th percentile per-packet one-way delay: 136.296 ms

Loss rate: 1.35%



Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-05-25 09:46:24

End at: 2018-05-25 09:46:54

Local clock offset: -0.002 ms

Remote clock offset: -0.171 ms

# Below is generated by plot.py at 2018-05-25 14:01:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 54.23 Mbit/s

95th percentile per-packet one-way delay: 135.896 ms

Loss rate: 1.31%

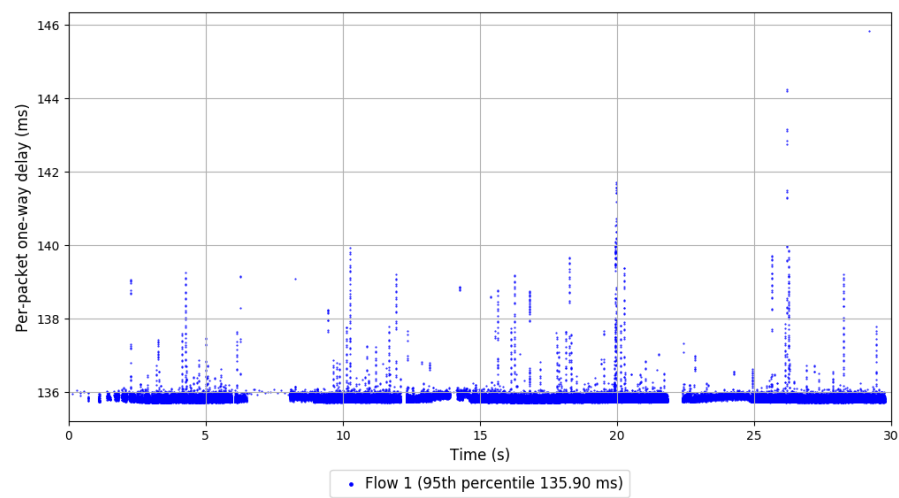
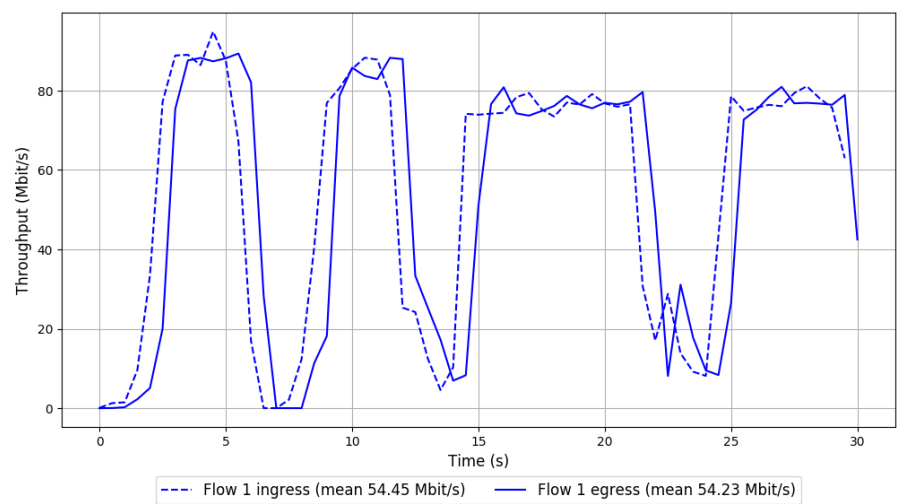
-- Flow 1:

Average throughput: 54.23 Mbit/s

95th percentile per-packet one-way delay: 135.896 ms

Loss rate: 1.31%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-05-25 10:07:33

End at: 2018-05-25 10:08:03

Local clock offset: 0.142 ms

Remote clock offset: -0.53 ms

# Below is generated by plot.py at 2018-05-25 14:01:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 52.91 Mbit/s

95th percentile per-packet one-way delay: 136.771 ms

Loss rate: 1.33%

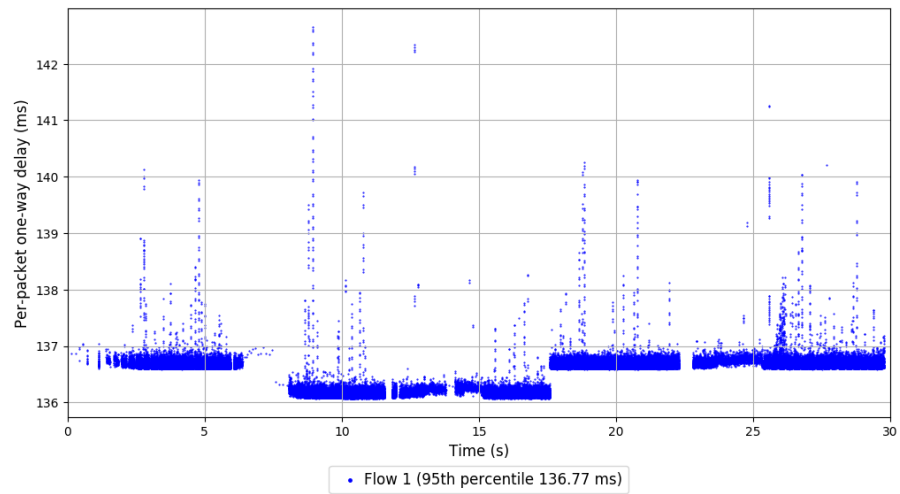
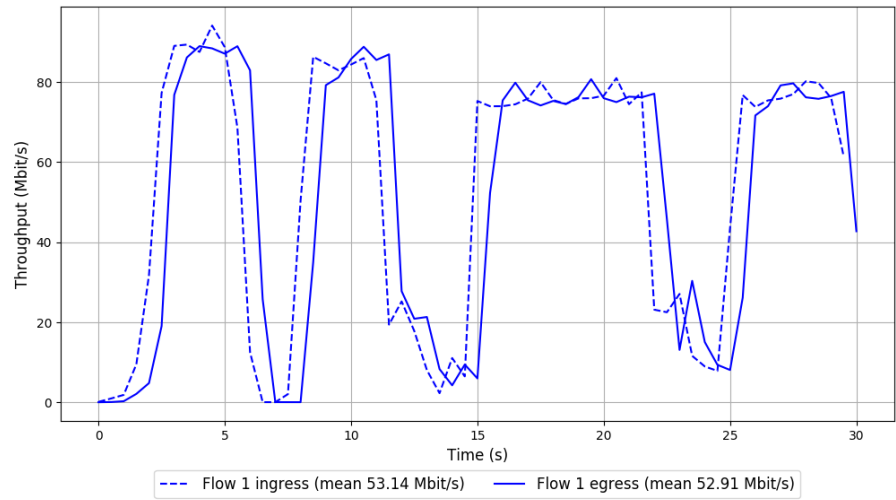
-- Flow 1:

Average throughput: 52.91 Mbit/s

95th percentile per-packet one-way delay: 136.771 ms

Loss rate: 1.33%

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

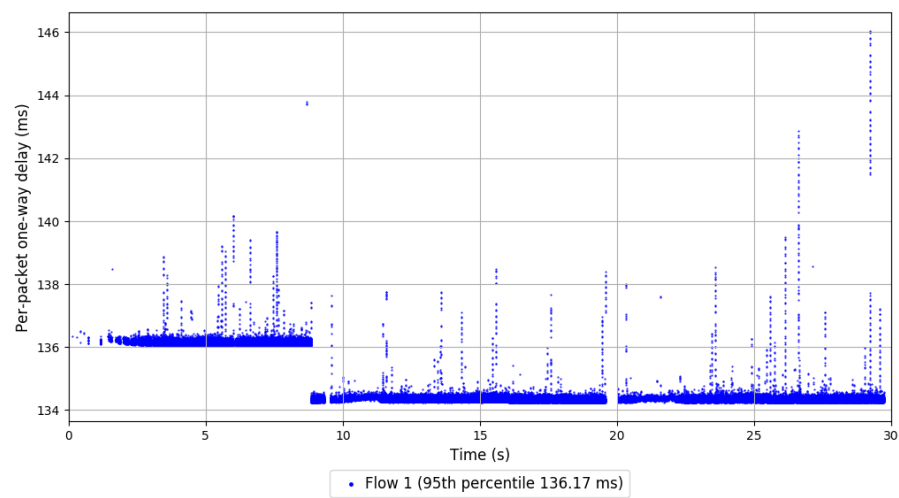
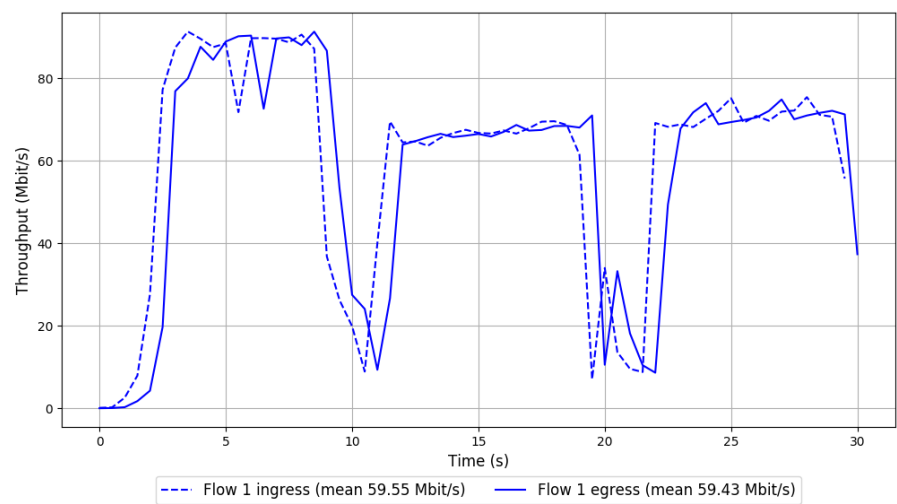


Run 4: Statistics of QUIC Cubic

Start at: 2018-05-25 10:29:00  
End at: 2018-05-25 10:29:30  
Local clock offset: -0.263 ms  
Remote clock offset: -0.229 ms

# Below is generated by plot.py at 2018-05-25 14:01:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 59.43 Mbit/s  
95th percentile per-packet one-way delay: 136.174 ms  
Loss rate: 1.11%  
-- Flow 1:  
Average throughput: 59.43 Mbit/s  
95th percentile per-packet one-way delay: 136.174 ms  
Loss rate: 1.11%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-05-25 10:50:02

End at: 2018-05-25 10:50:32

Local clock offset: 0.141 ms

Remote clock offset: -0.247 ms

# Below is generated by plot.py at 2018-05-25 14:01:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 61.10 Mbit/s

95th percentile per-packet one-way delay: 136.727 ms

Loss rate: 1.13%

-- Flow 1:

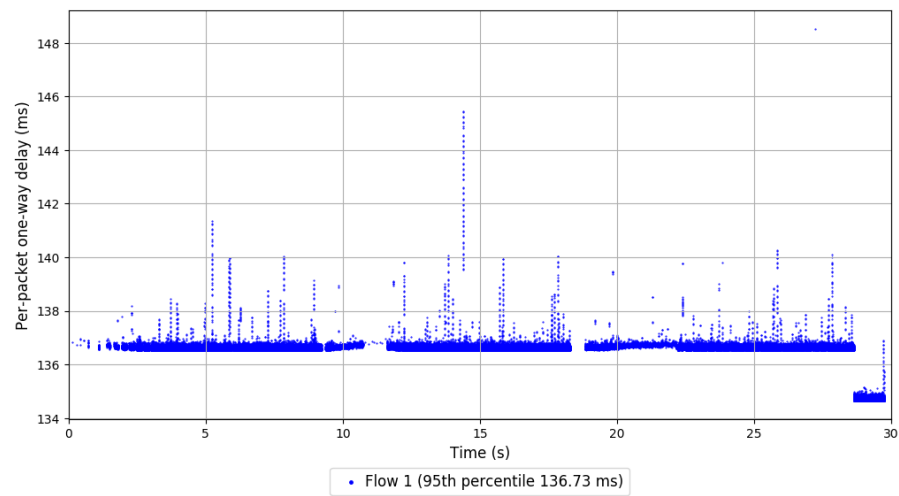
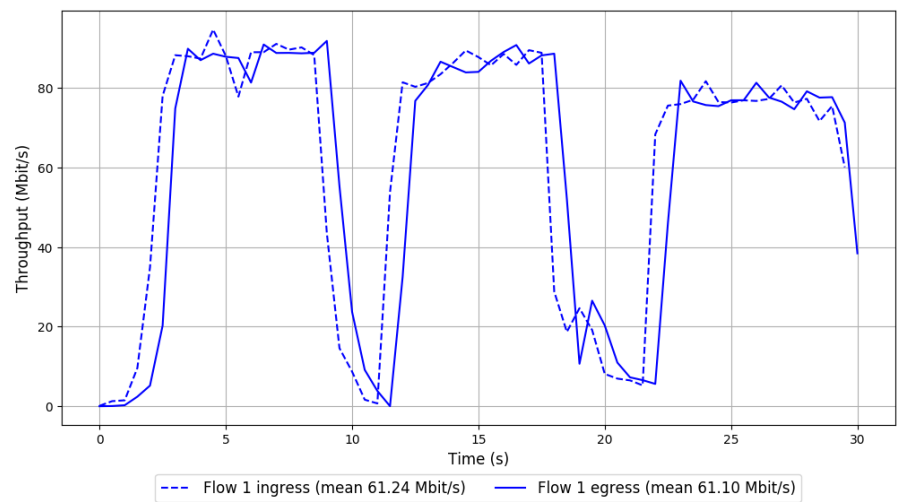
Average throughput: 61.10 Mbit/s

95th percentile per-packet one-way delay: 136.727 ms

Loss rate: 1.13%



Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-05-25 11:10:51

End at: 2018-05-25 11:11:21

Local clock offset: 0.299 ms

Remote clock offset: -0.17 ms

# Below is generated by plot.py at 2018-05-25 14:01:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 55.06 Mbit/s

95th percentile per-packet one-way delay: 136.539 ms

Loss rate: 1.27%

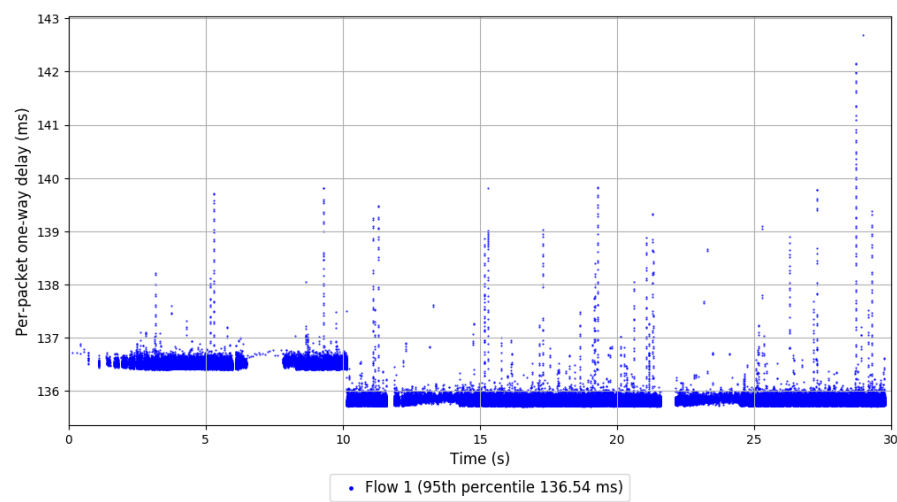
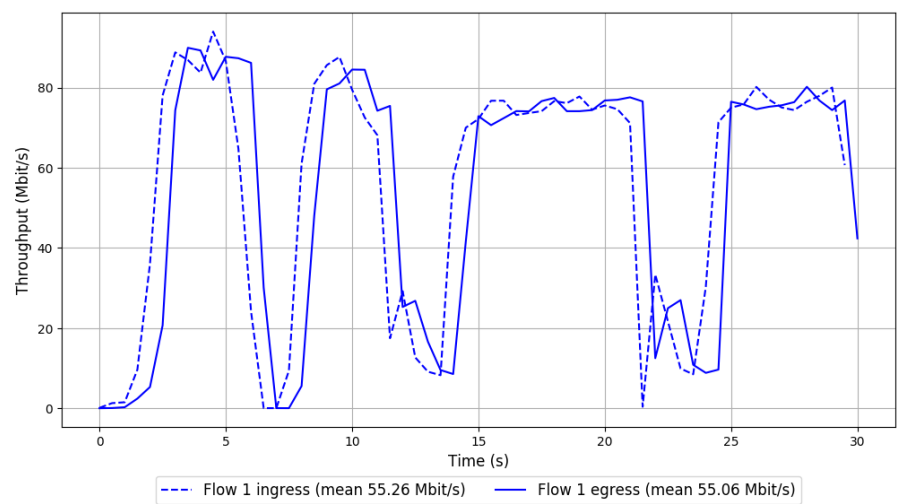
-- Flow 1:

Average throughput: 55.06 Mbit/s

95th percentile per-packet one-way delay: 136.539 ms

Loss rate: 1.27%

Run 6: Report of QUIC Cubic — Data Link

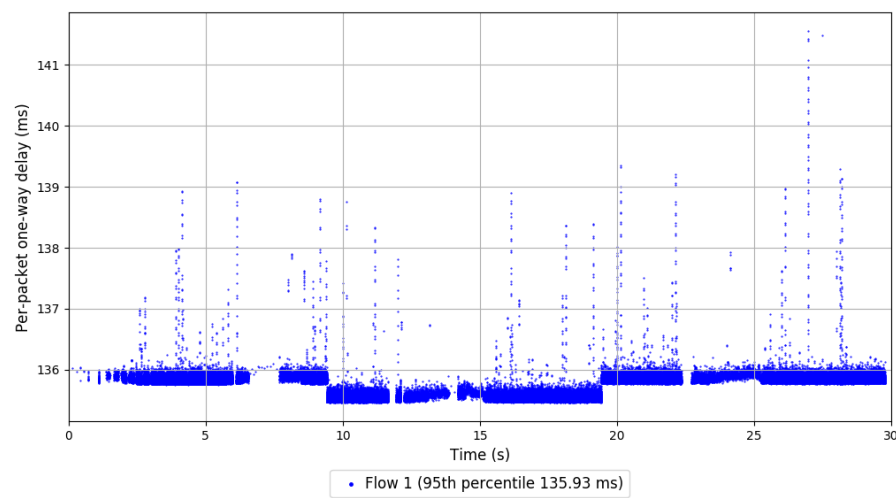
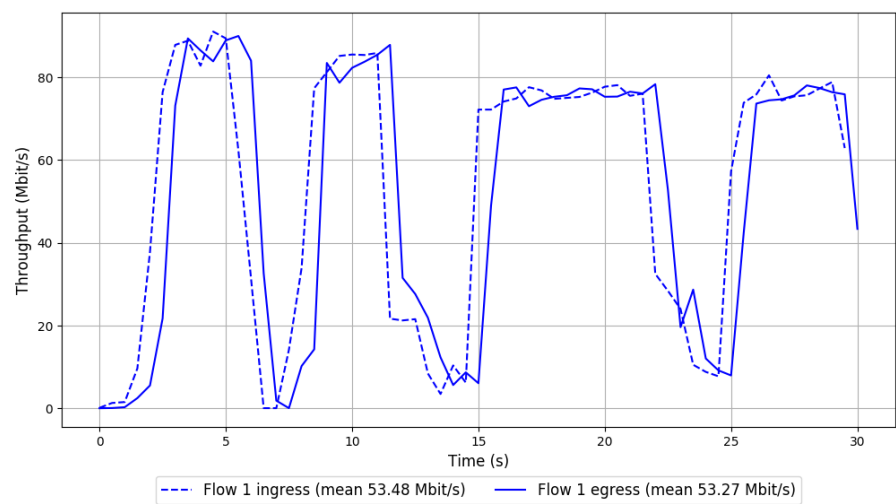


Run 7: Statistics of QUIC Cubic

Start at: 2018-05-25 11:32:20  
End at: 2018-05-25 11:32:50  
Local clock offset: -0.156 ms  
Remote clock offset: -0.179 ms

# Below is generated by plot.py at 2018-05-25 14:01:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 53.27 Mbit/s  
95th percentile per-packet one-way delay: 135.928 ms  
Loss rate: 1.31%  
-- Flow 1:  
Average throughput: 53.27 Mbit/s  
95th percentile per-packet one-way delay: 135.928 ms  
Loss rate: 1.31%

Run 7: Report of QUIC Cubic — Data Link

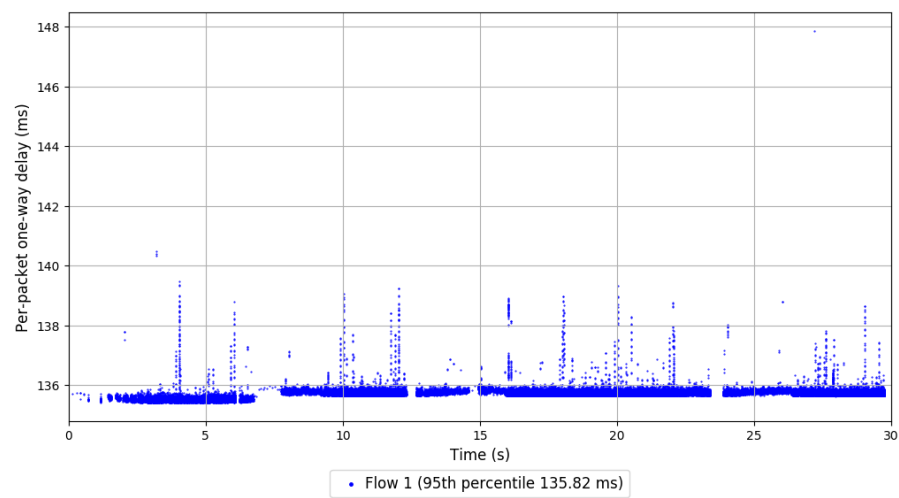
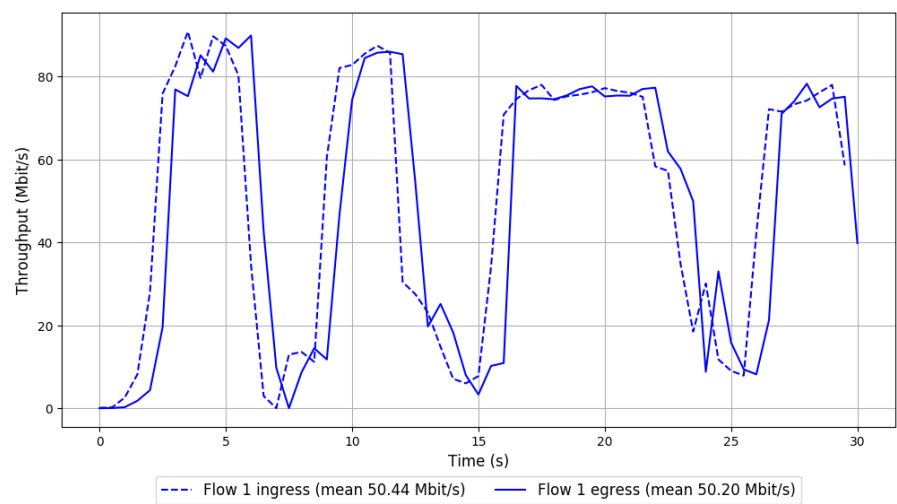


Run 8: Statistics of QUIC Cubic

Start at: 2018-05-25 11:54:04  
End at: 2018-05-25 11:54:34  
Local clock offset: 0.012 ms  
Remote clock offset: -0.188 ms

# Below is generated by plot.py at 2018-05-25 14:01:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 50.20 Mbit/s  
95th percentile per-packet one-way delay: 135.825 ms  
Loss rate: 1.37%  
-- Flow 1:  
Average throughput: 50.20 Mbit/s  
95th percentile per-packet one-way delay: 135.825 ms  
Loss rate: 1.37%

Run 8: Report of QUIC Cubic — Data Link



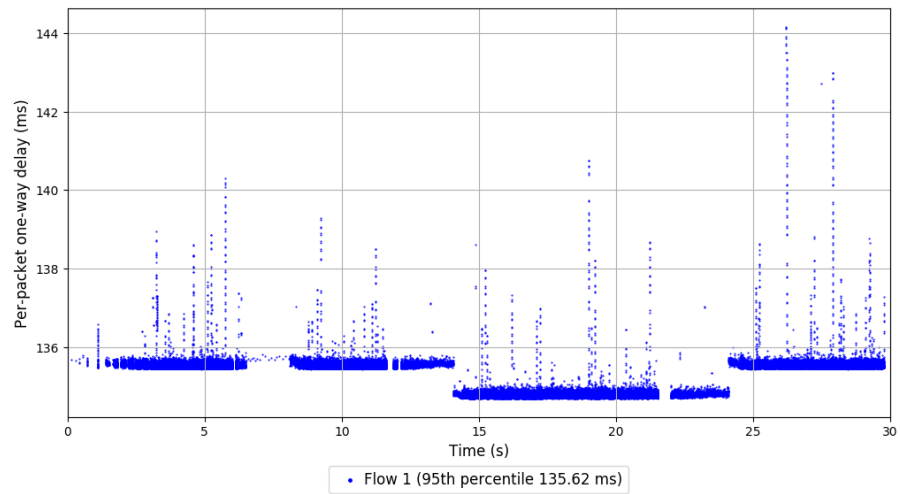
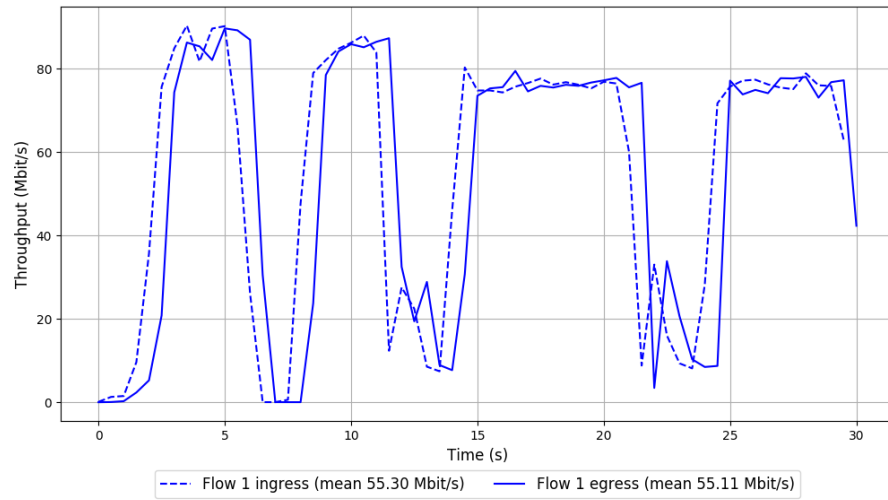
Run 9: Statistics of QUIC Cubic

Start at: 2018-05-25 12:15:27  
End at: 2018-05-25 12:15:57  
Local clock offset: -0.052 ms  
Remote clock offset: -0.188 ms

# Below is generated by plot.py at 2018-05-25 14:01:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 55.11 Mbit/s  
95th percentile per-packet one-way delay: 135.619 ms  
Loss rate: 1.24%  
-- Flow 1:  
Average throughput: 55.11 Mbit/s  
95th percentile per-packet one-way delay: 135.619 ms  
Loss rate: 1.24%



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



Run 10: Statistics of QUIC Cubic

Start at: 2018-05-25 12:36:47

End at: 2018-05-25 12:37:17

Local clock offset: 0.307 ms

Remote clock offset: -0.285 ms

# Below is generated by plot.py at 2018-05-25 14:01:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 53.52 Mbit/s

95th percentile per-packet one-way delay: 135.914 ms

Loss rate: 1.31%

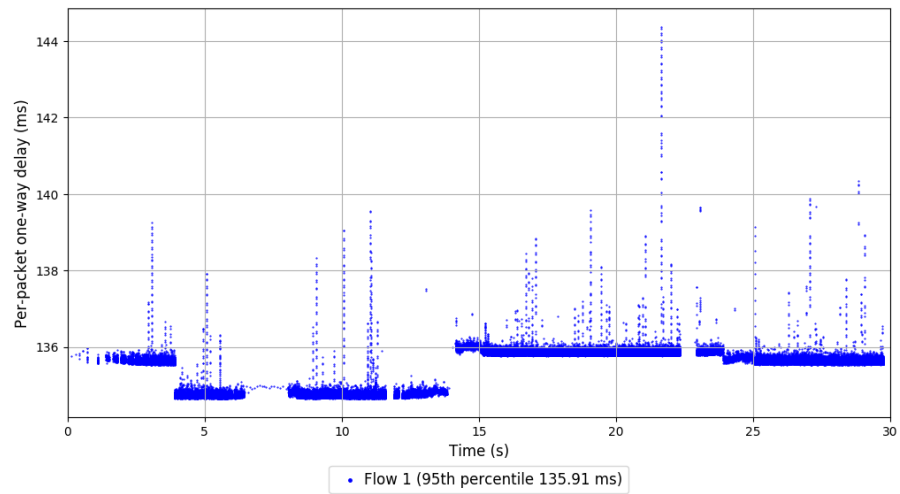
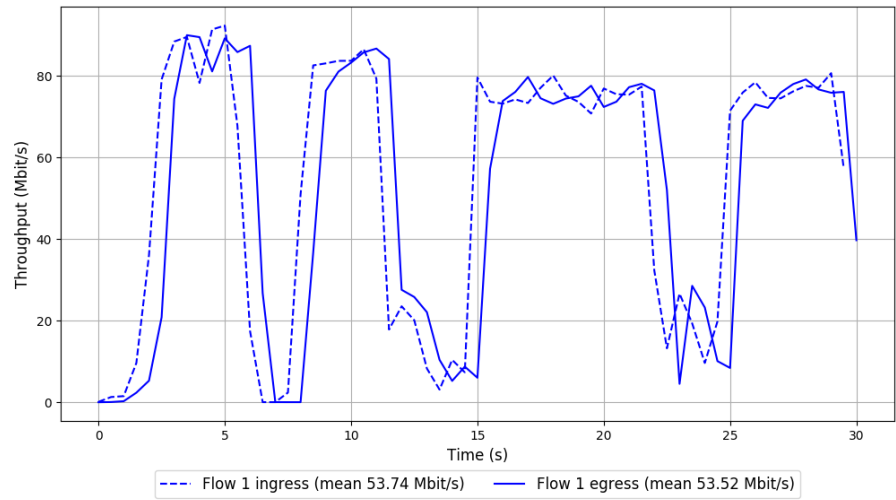
-- Flow 1:

Average throughput: 53.52 Mbit/s

95th percentile per-packet one-way delay: 135.914 ms

Loss rate: 1.31%

# Run 10: Report of QUIC Cubic — Data Link

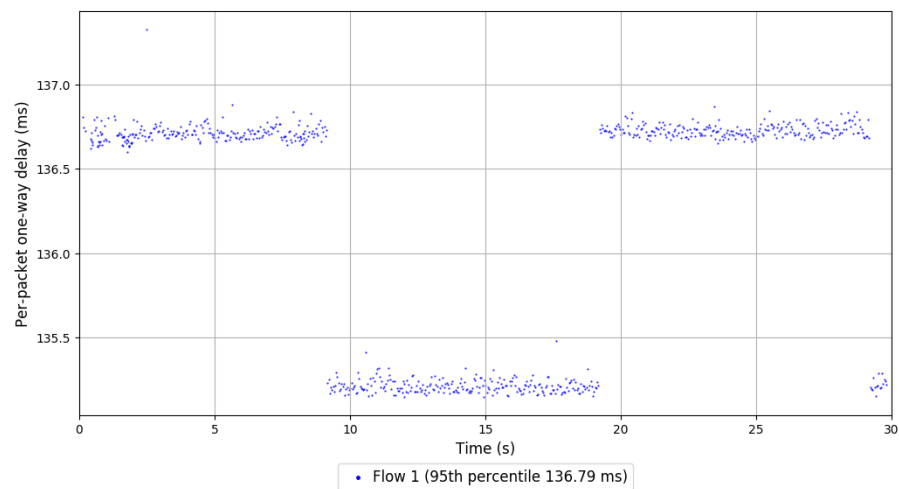
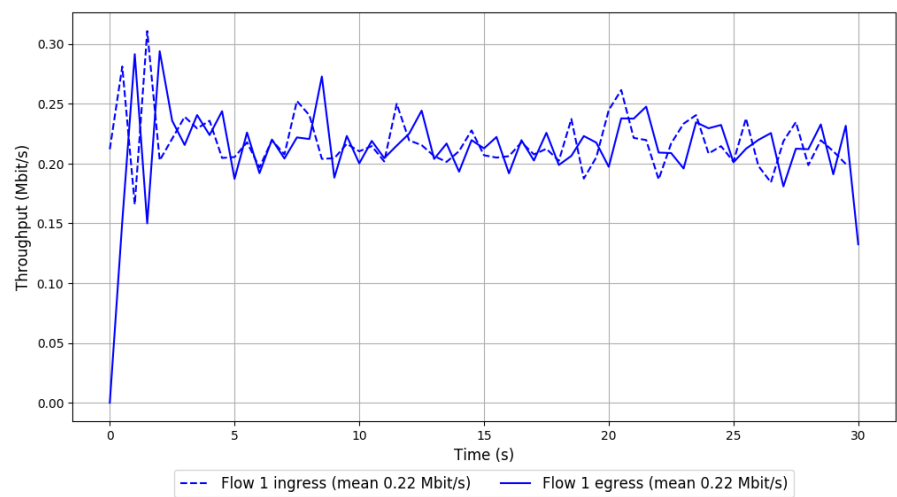


Run 1: Statistics of SCReAM

Start at: 2018-05-25 09:16:22  
End at: 2018-05-25 09:16:52  
Local clock offset: 0.262 ms  
Remote clock offset: -0.183 ms

# Below is generated by plot.py at 2018-05-25 14:01:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 136.787 ms  
Loss rate: 0.89%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 136.787 ms  
Loss rate: 0.89%

Run 1: Report of SReAM — Data Link

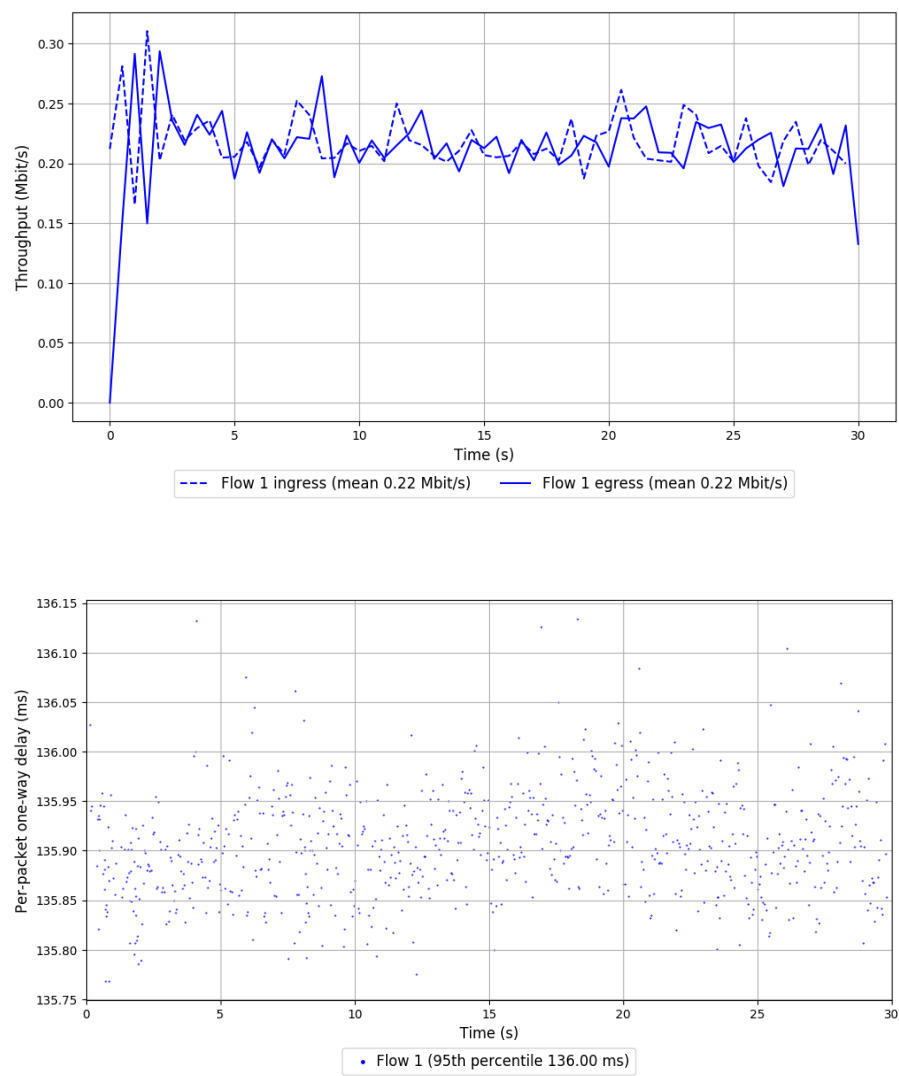


Run 2: Statistics of SCReAM

Start at: 2018-05-25 09:37:38  
End at: 2018-05-25 09:38:08  
Local clock offset: -0.155 ms  
Remote clock offset: -0.272 ms

# Below is generated by plot.py at 2018-05-25 14:01:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 135.999 ms  
Loss rate: 0.89%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 135.999 ms  
Loss rate: 0.89%

Run 2: Report of SReAM — Data Link



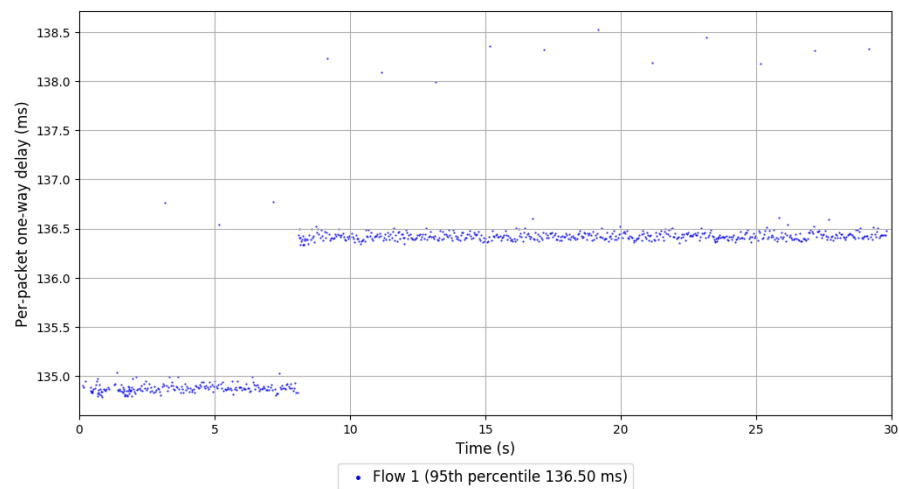
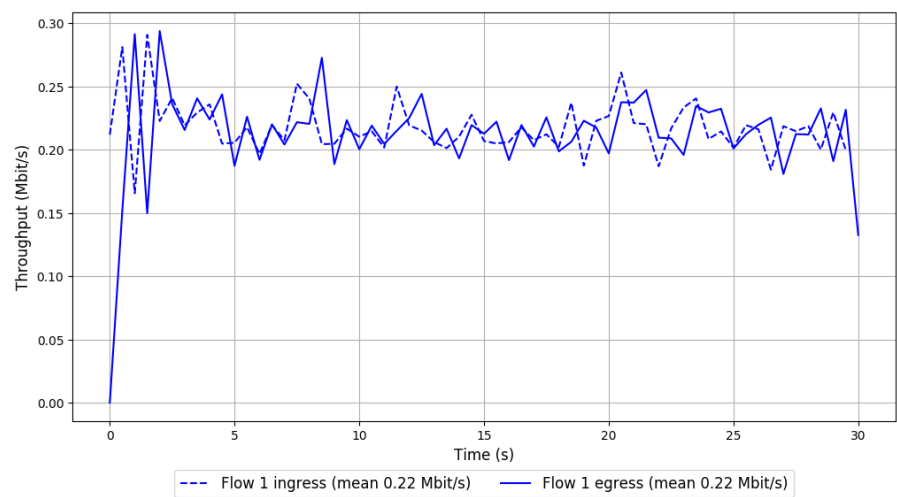
Run 3: Statistics of SCReAM

Start at: 2018-05-25 09:58:43  
End at: 2018-05-25 09:59:13  
Local clock offset: 0.179 ms  
Remote clock offset: -0.179 ms

# Below is generated by plot.py at 2018-05-25 14:01:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 136.496 ms  
Loss rate: 0.89%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 136.496 ms  
Loss rate: 0.89%



Run 3: Report of SReAM — Data Link

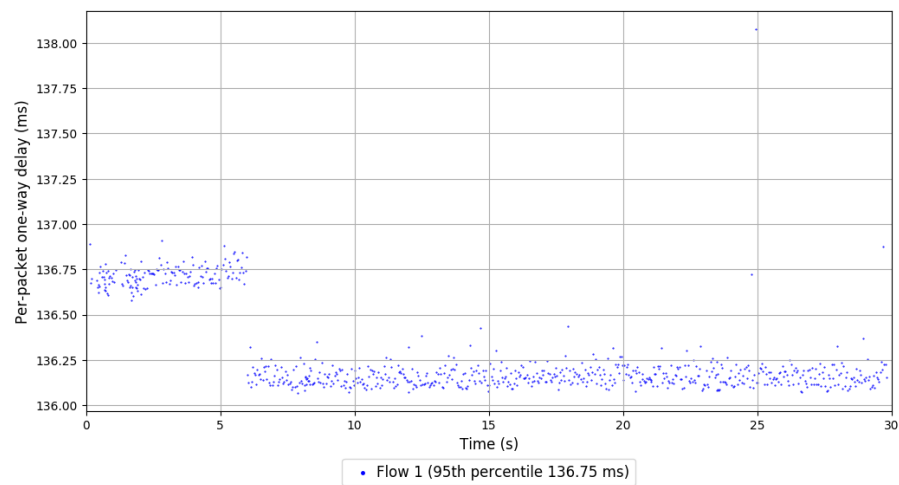
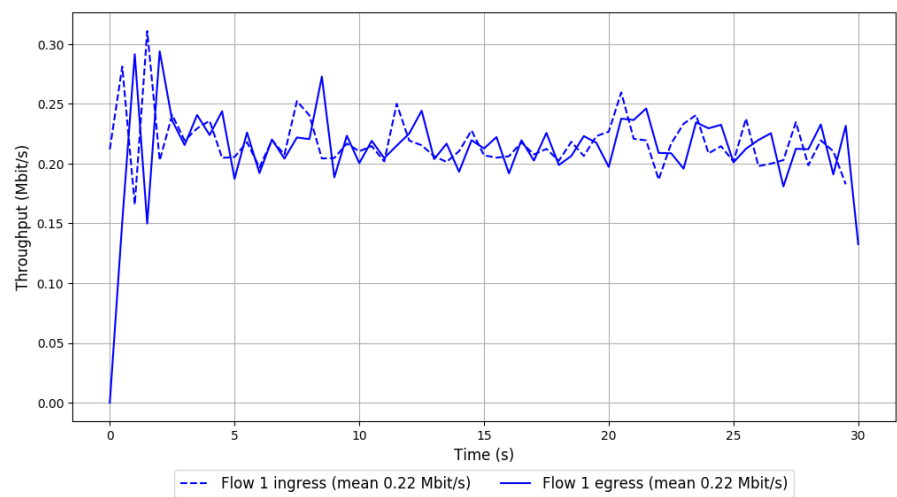


Run 4: Statistics of SCReAM

Start at: 2018-05-25 10:20:05  
End at: 2018-05-25 10:20:35  
Local clock offset: -0.311 ms  
Remote clock offset: -0.553 ms

# Below is generated by plot.py at 2018-05-25 14:01:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 136.753 ms  
Loss rate: 0.76%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 136.753 ms  
Loss rate: 0.76%

Run 4: Report of SReAM — Data Link

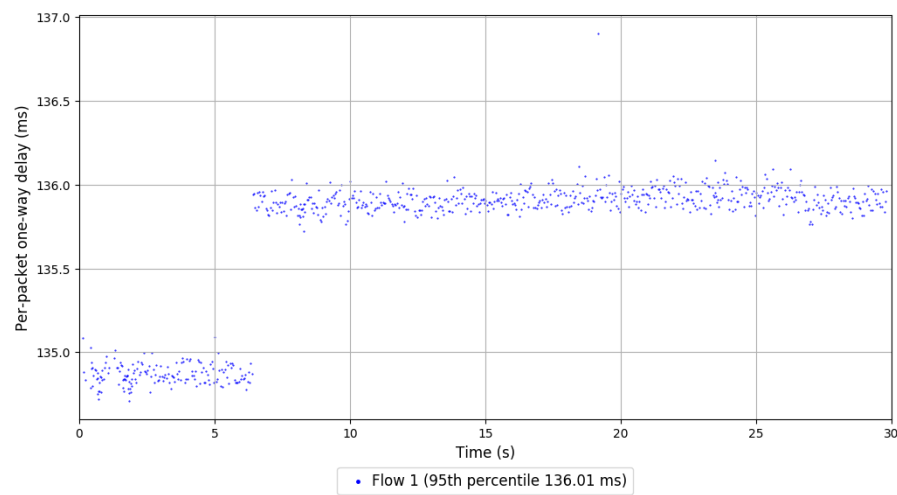
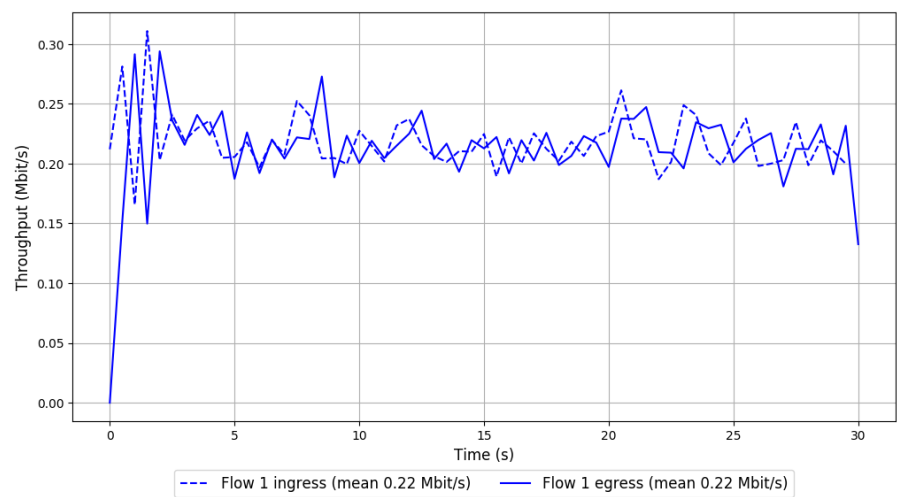


Run 5: Statistics of SCReAM

Start at: 2018-05-25 10:41:24  
End at: 2018-05-25 10:41:54  
Local clock offset: -0.214 ms  
Remote clock offset: -0.202 ms

# Below is generated by plot.py at 2018-05-25 14:01:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 136.011 ms  
Loss rate: 0.89%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 136.011 ms  
Loss rate: 0.89%

Run 5: Report of SReAM — Data Link

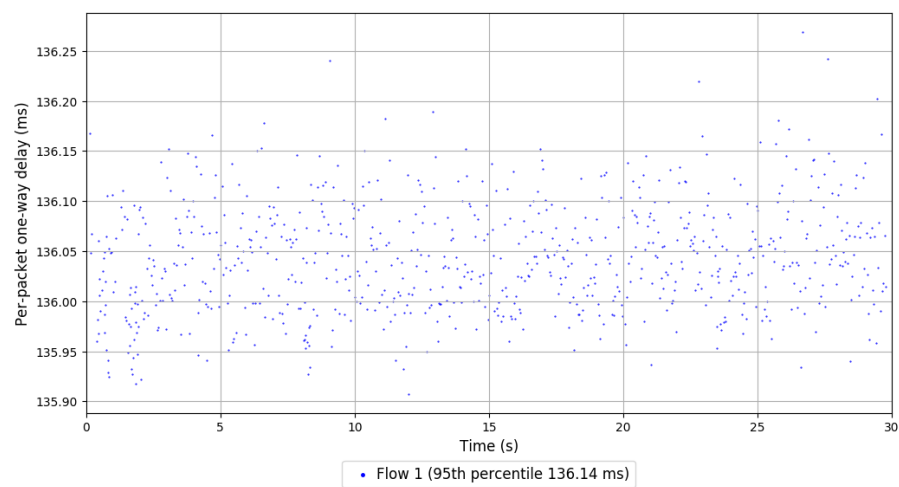
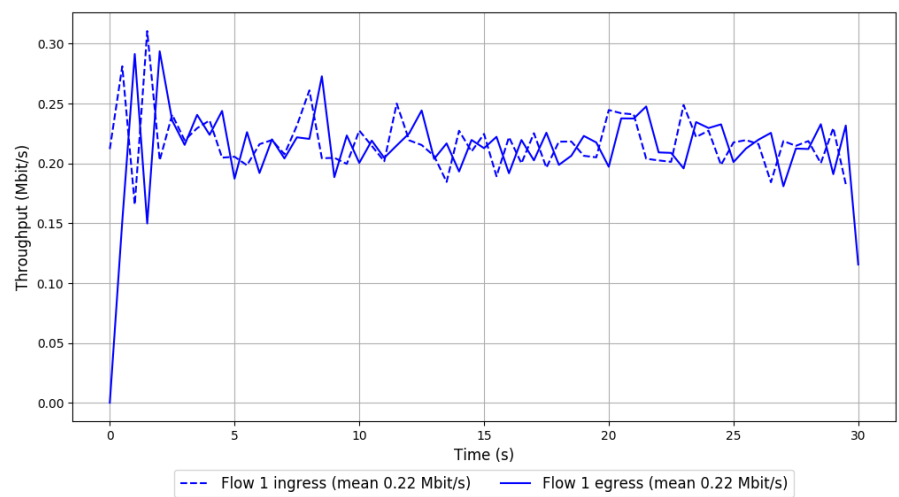


Run 6: Statistics of SCReAM

Start at: 2018-05-25 11:02:13  
End at: 2018-05-25 11:02:43  
Local clock offset: -0.265 ms  
Remote clock offset: -0.172 ms

# Below is generated by plot.py at 2018-05-25 14:01:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 136.138 ms  
Loss rate: 0.89%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 136.138 ms  
Loss rate: 0.89%

Run 6: Report of SReAM — Data Link



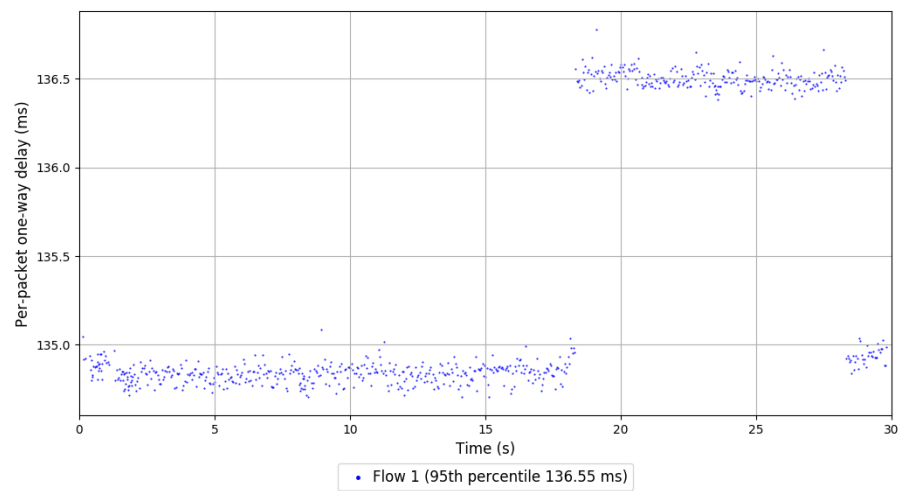
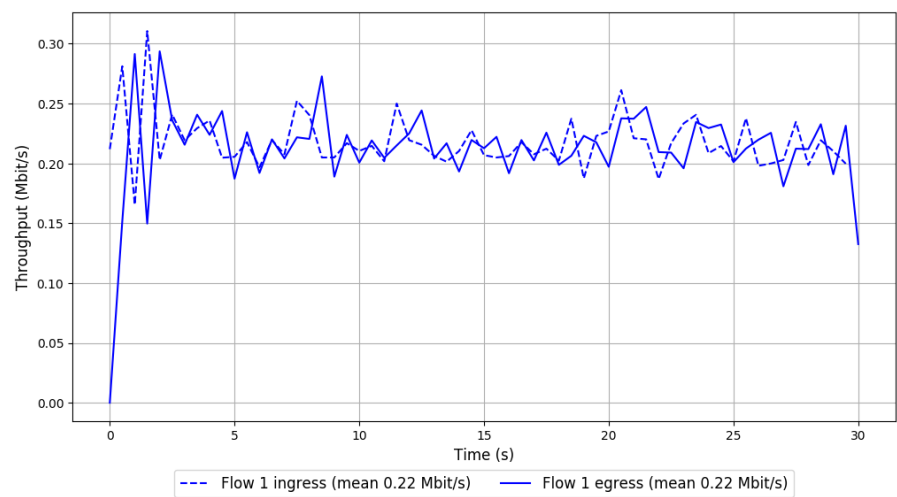
Run 7: Statistics of SCReAM

Start at: 2018-05-25 11:23:31  
End at: 2018-05-25 11:24:01  
Local clock offset: 0.297 ms  
Remote clock offset: -0.125 ms

# Below is generated by plot.py at 2018-05-25 14:01:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 136.548 ms  
Loss rate: 0.89%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 136.548 ms  
Loss rate: 0.89%



Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-05-25 11:45:12

End at: 2018-05-25 11:45:42

Local clock offset: -0.067 ms

Remote clock offset: -0.15 ms

# Below is generated by plot.py at 2018-05-25 14:01:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.158 ms

Loss rate: 0.89%

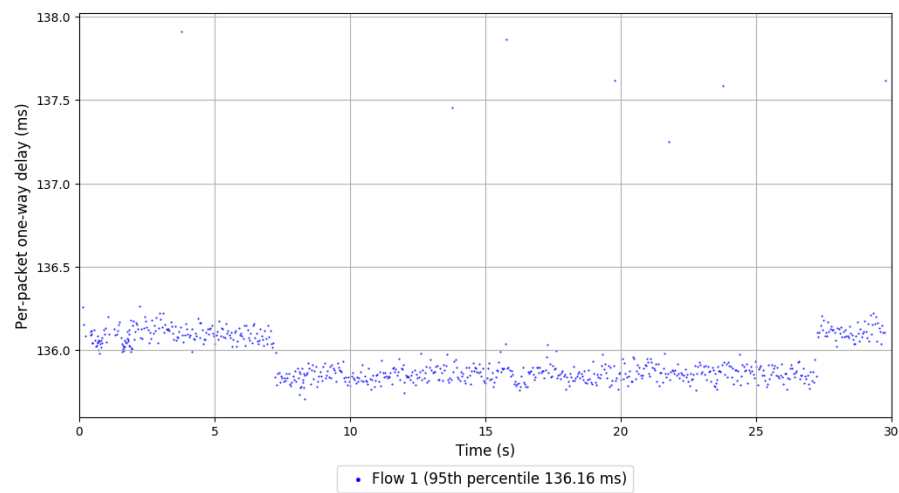
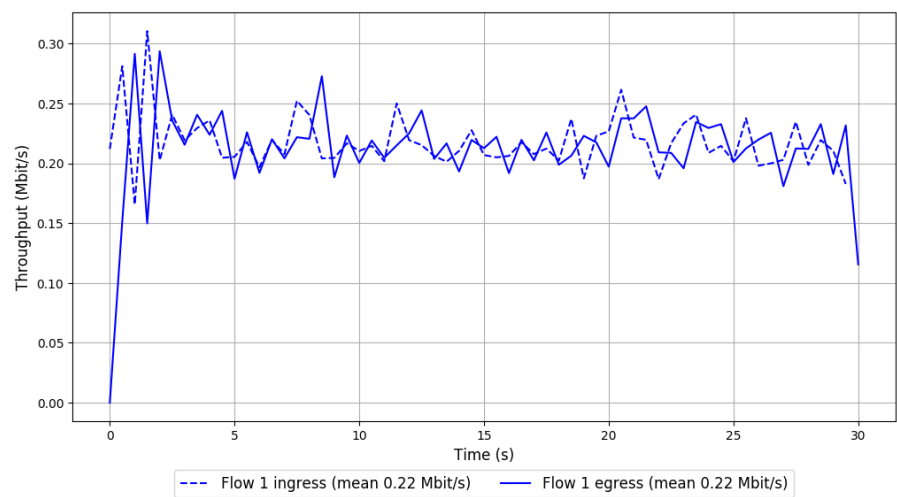
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.158 ms

Loss rate: 0.89%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-05-25 12:06:39

End at: 2018-05-25 12:07:09

Local clock offset: -0.14 ms

Remote clock offset: 0.144 ms

# Below is generated by plot.py at 2018-05-25 14:01:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.419 ms

Loss rate: 0.76%

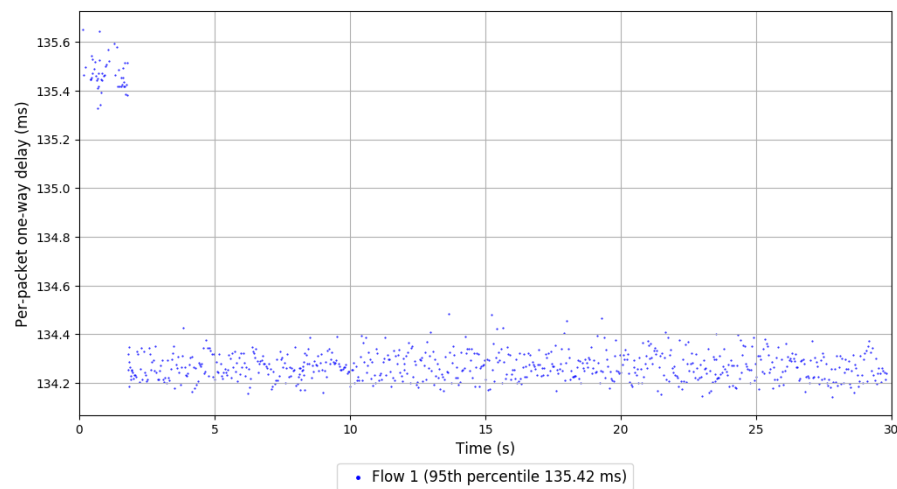
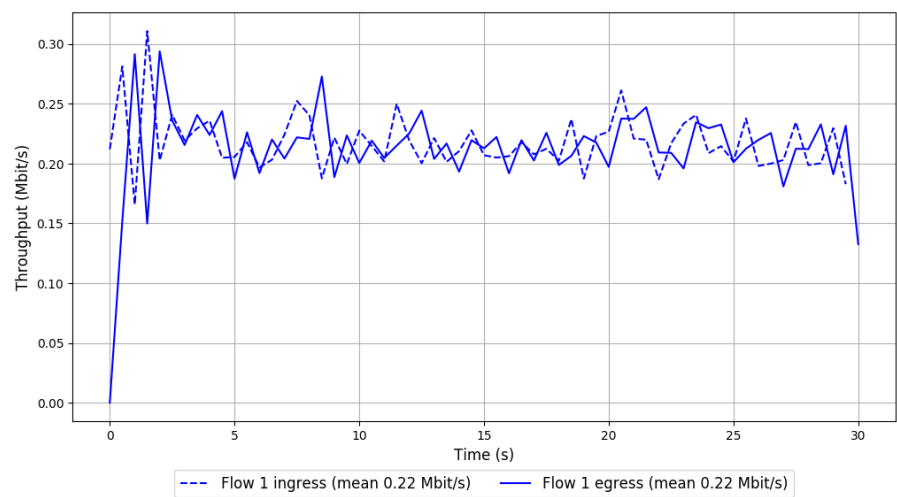
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.419 ms

Loss rate: 0.76%

Run 9: Report of SReAM — Data Link

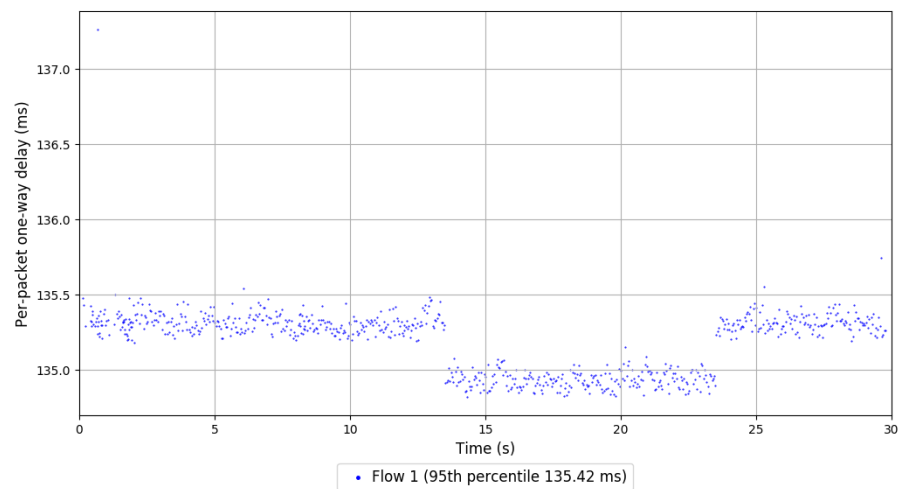
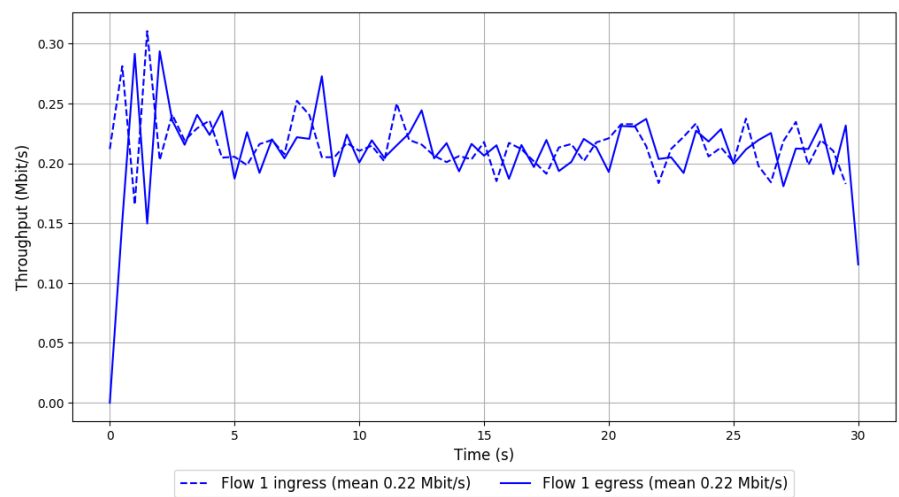


Run 10: Statistics of SCReAM

Start at: 2018-05-25 12:27:57  
End at: 2018-05-25 12:28:27  
Local clock offset: 0.25 ms  
Remote clock offset: -0.223 ms

# Below is generated by plot.py at 2018-05-25 14:01:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 135.421 ms  
Loss rate: 0.90%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 135.421 ms  
Loss rate: 0.90%

Run 10: Report of SReAM — Data Link



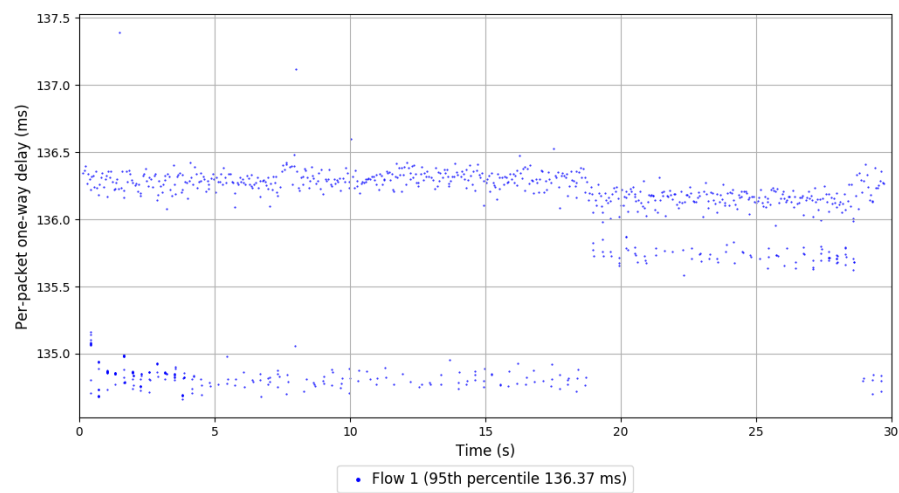
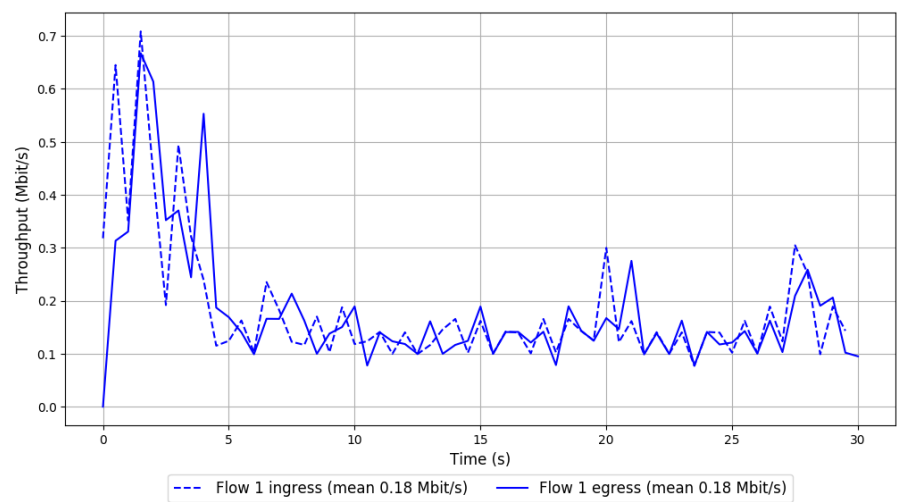
Run 1: Statistics of Sprout

Start at: 2018-05-25 09:18:42  
End at: 2018-05-25 09:19:12  
Local clock offset: -0.174 ms  
Remote clock offset: -0.218 ms

# Below is generated by plot.py at 2018-05-25 14:01:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.18 Mbit/s  
95th percentile per-packet one-way delay: 136.369 ms  
Loss rate: 1.27%  
-- Flow 1:  
Average throughput: 0.18 Mbit/s  
95th percentile per-packet one-way delay: 136.369 ms  
Loss rate: 1.27%



Run 1: Report of Sprout — Data Link

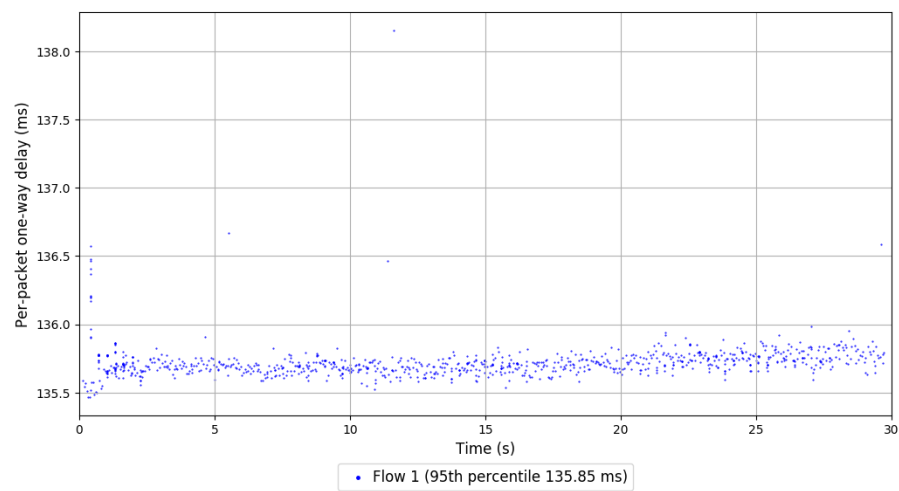
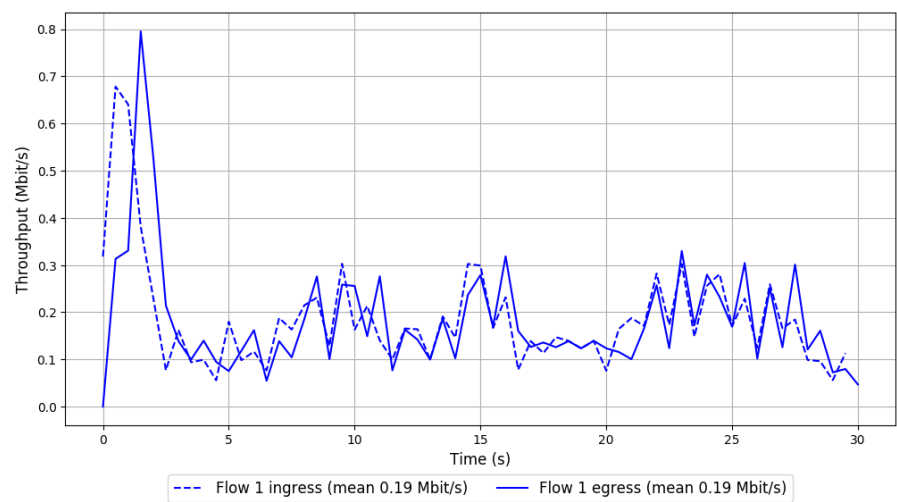


Run 2: Statistics of Sprout

Start at: 2018-05-25 09:39:58  
End at: 2018-05-25 09:40:28  
Local clock offset: -0.223 ms  
Remote clock offset: -0.234 ms

# Below is generated by plot.py at 2018-05-25 14:01:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.19 Mbit/s  
95th percentile per-packet one-way delay: 135.846 ms  
Loss rate: 0.63%  
-- Flow 1:  
Average throughput: 0.19 Mbit/s  
95th percentile per-packet one-way delay: 135.846 ms  
Loss rate: 0.63%

Run 2: Report of Sprout — Data Link

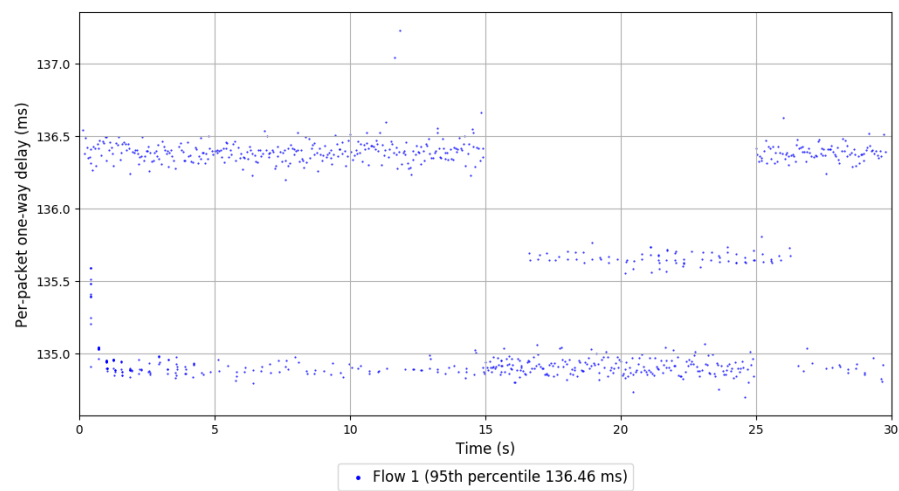
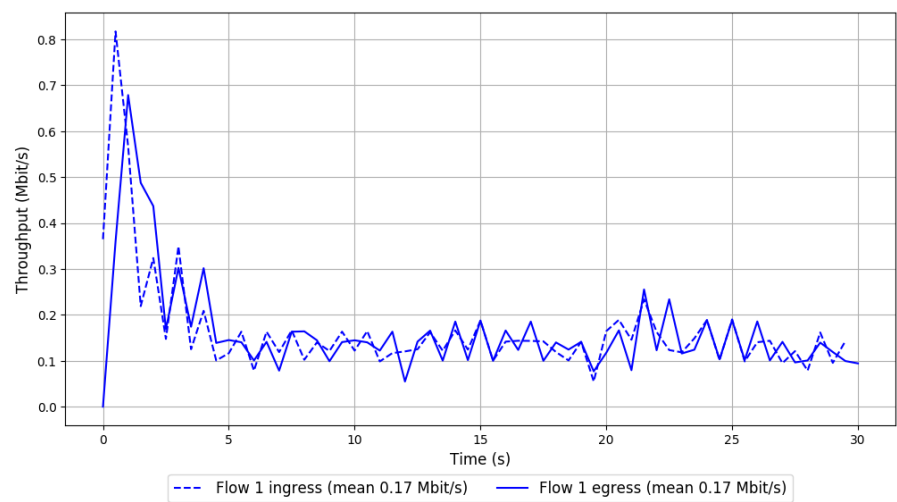


Run 3: Statistics of Sprout

Start at: 2018-05-25 10:01:04  
End at: 2018-05-25 10:01:34  
Local clock offset: -0.158 ms  
Remote clock offset: -0.159 ms

# Below is generated by plot.py at 2018-05-25 14:01:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.17 Mbit/s  
95th percentile per-packet one-way delay: 136.463 ms  
Loss rate: 0.92%  
-- Flow 1:  
Average throughput: 0.17 Mbit/s  
95th percentile per-packet one-way delay: 136.463 ms  
Loss rate: 0.92%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-05-25 10:22:27

End at: 2018-05-25 10:22:57

Local clock offset: 0.098 ms

Remote clock offset: 0.195 ms

# Below is generated by plot.py at 2018-05-25 14:01:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 136.328 ms

Loss rate: 0.55%

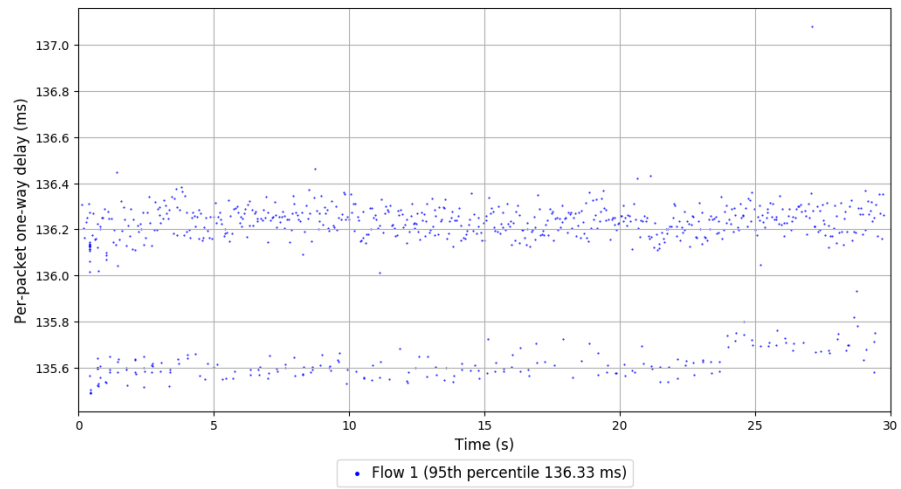
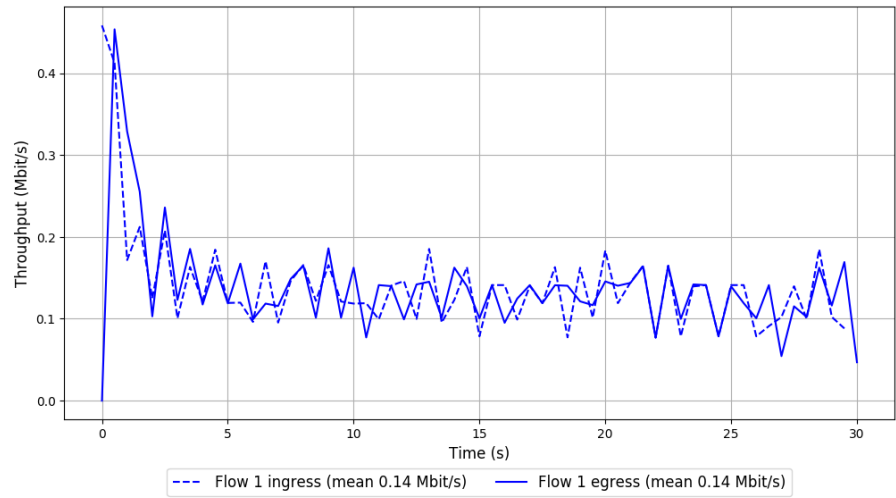
-- Flow 1:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 136.328 ms

Loss rate: 0.55%

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



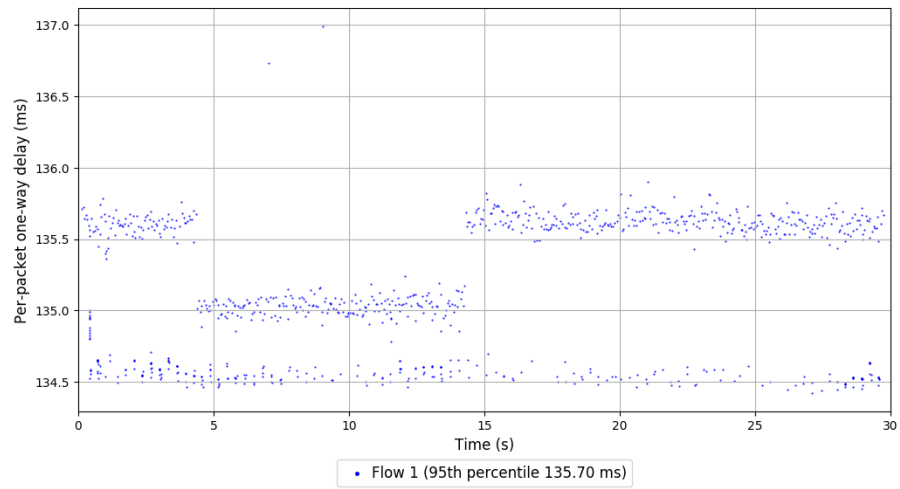
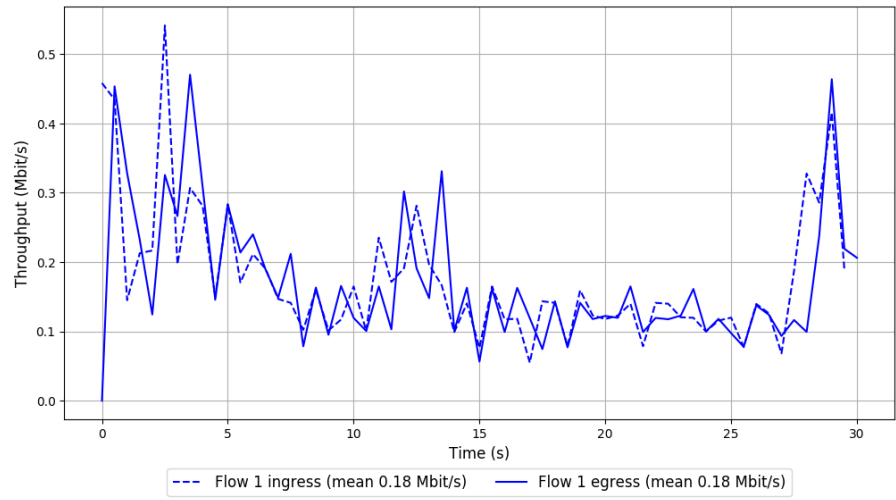
Run 5: Statistics of Sprout

Start at: 2018-05-25 10:43:45  
End at: 2018-05-25 10:44:15  
Local clock offset: -0.501 ms  
Remote clock offset: -0.206 ms

# Below is generated by plot.py at 2018-05-25 14:01:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.18 Mbit/s  
95th percentile per-packet one-way delay: 135.699 ms  
Loss rate: 1.74%  
-- Flow 1:  
Average throughput: 0.18 Mbit/s  
95th percentile per-packet one-way delay: 135.699 ms  
Loss rate: 1.74%



## Run 5: Report of Sprout — Data Link

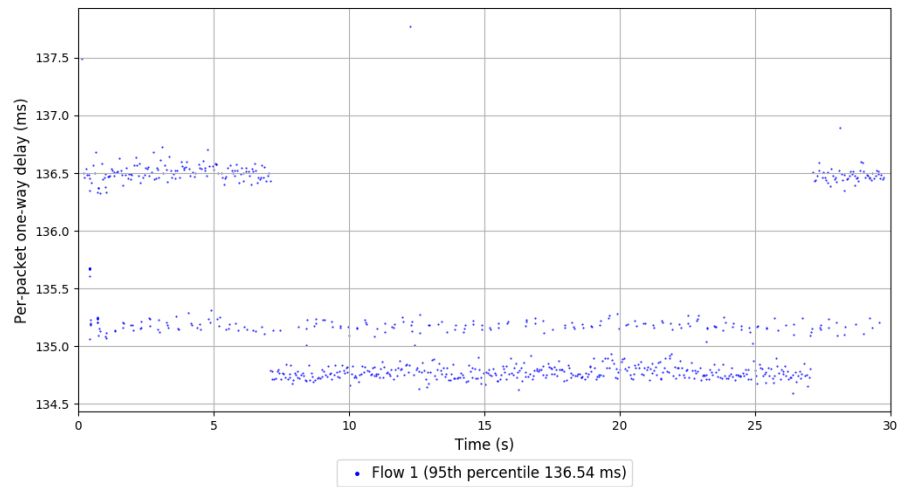
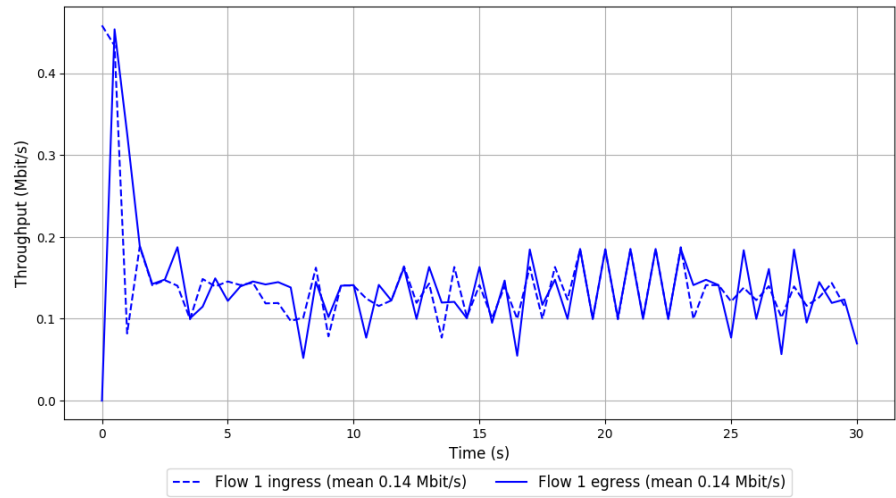


Run 6: Statistics of Sprout

Start at: 2018-05-25 11:04:34  
End at: 2018-05-25 11:05:04  
Local clock offset: 0.228 ms  
Remote clock offset: -0.159 ms

# Below is generated by plot.py at 2018-05-25 14:01:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.14 Mbit/s  
95th percentile per-packet one-way delay: 136.543 ms  
Loss rate: 1.09%  
-- Flow 1:  
Average throughput: 0.14 Mbit/s  
95th percentile per-packet one-way delay: 136.543 ms  
Loss rate: 1.09%

## Run 6: Report of Sprout — Data Link

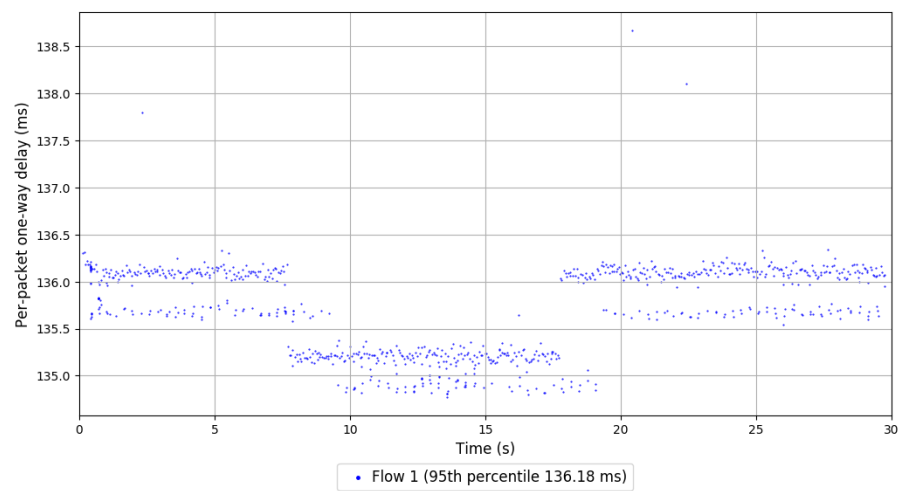
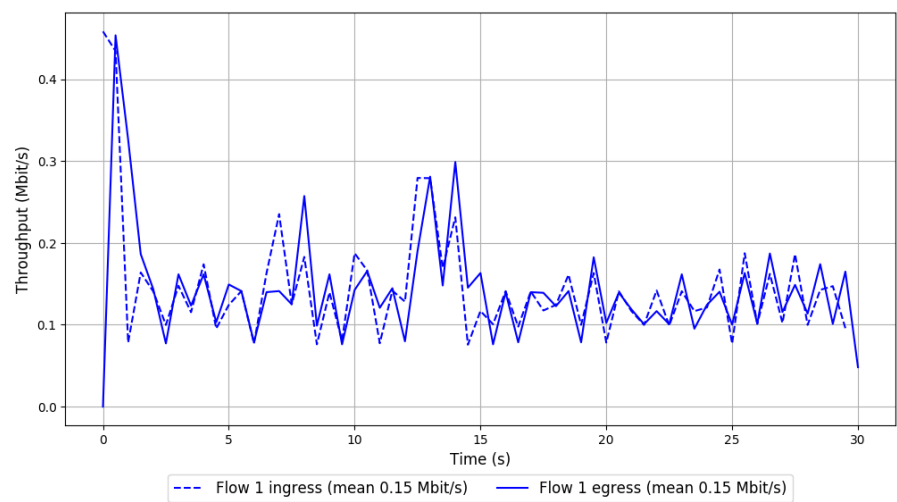


Run 7: Statistics of Sprout

Start at: 2018-05-25 11:25:51  
End at: 2018-05-25 11:26:21  
Local clock offset: -0.083 ms  
Remote clock offset: -0.143 ms

# Below is generated by plot.py at 2018-05-25 14:01:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.15 Mbit/s  
95th percentile per-packet one-way delay: 136.179 ms  
Loss rate: 0.85%  
-- Flow 1:  
Average throughput: 0.15 Mbit/s  
95th percentile per-packet one-way delay: 136.179 ms  
Loss rate: 0.85%

Run 7: Report of Sprout — Data Link

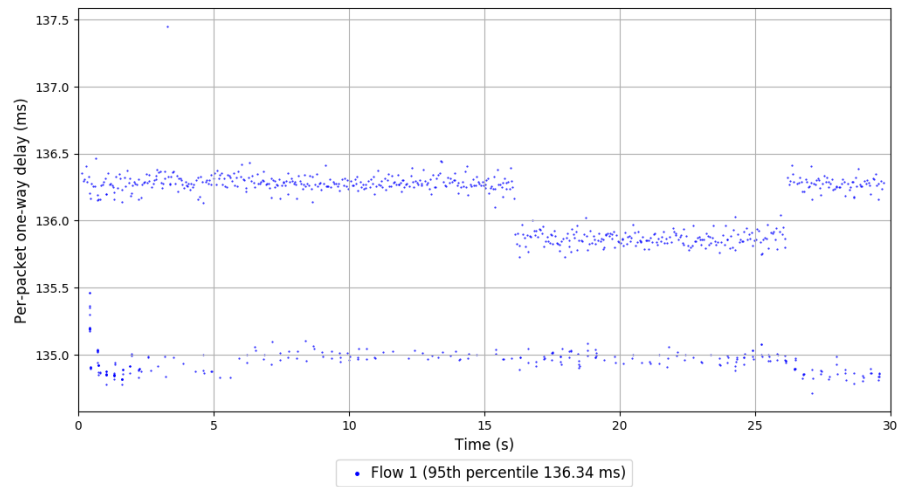
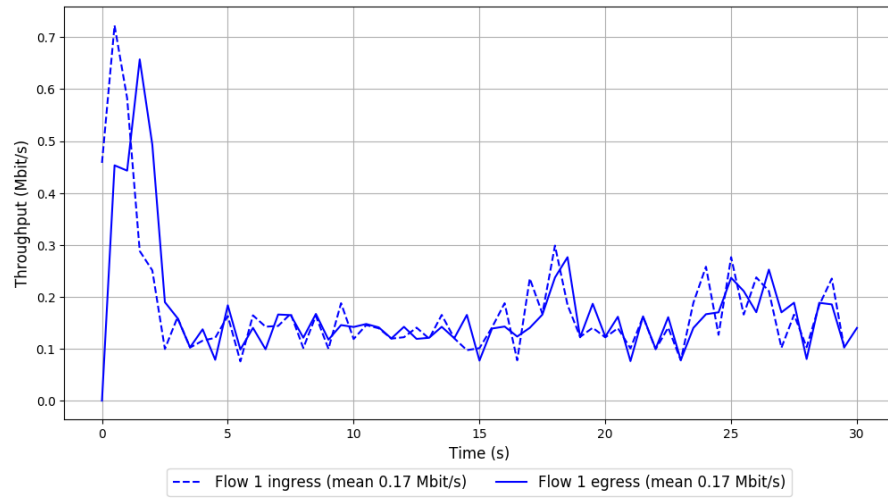


Run 8: Statistics of Sprout

Start at: 2018-05-25 11:47:35  
End at: 2018-05-25 11:48:05  
Local clock offset: -0.007 ms  
Remote clock offset: -0.152 ms

# Below is generated by plot.py at 2018-05-25 14:01:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.17 Mbit/s  
95th percentile per-packet one-way delay: 136.342 ms  
Loss rate: 0.91%  
-- Flow 1:  
Average throughput: 0.17 Mbit/s  
95th percentile per-packet one-way delay: 136.342 ms  
Loss rate: 0.91%

## Run 8: Report of Sprout — Data Link



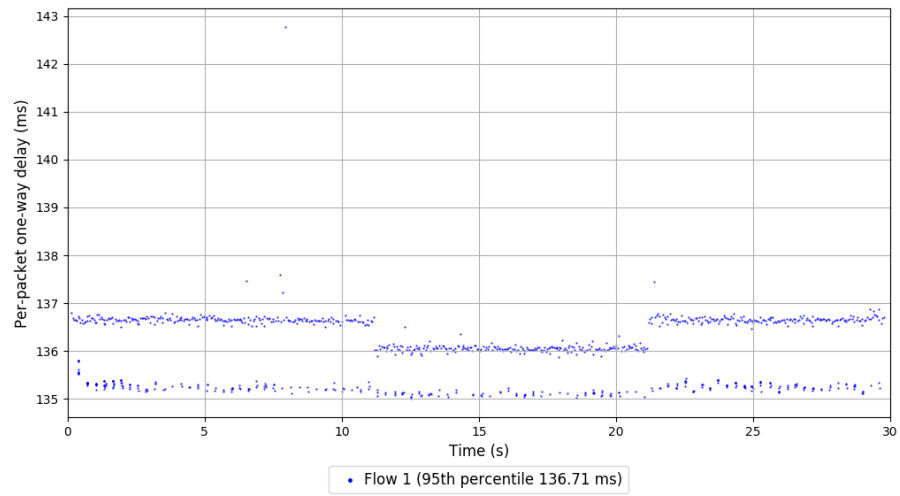
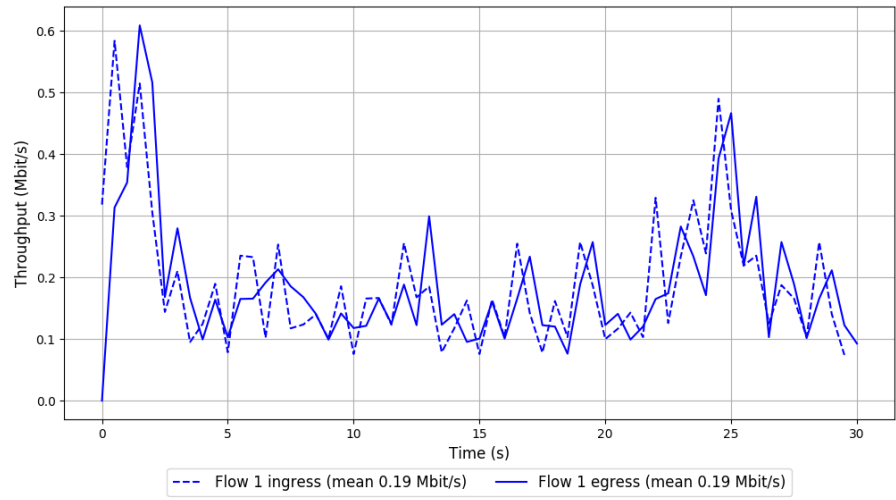
Run 9: Statistics of Sprout

Start at: 2018-05-25 12:09:00  
End at: 2018-05-25 12:09:30  
Local clock offset: 0.162 ms  
Remote clock offset: -0.233 ms

# Below is generated by plot.py at 2018-05-25 14:01:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.19 Mbit/s  
95th percentile per-packet one-way delay: 136.707 ms  
Loss rate: 0.43%  
-- Flow 1:  
Average throughput: 0.19 Mbit/s  
95th percentile per-packet one-way delay: 136.707 ms  
Loss rate: 0.43%



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

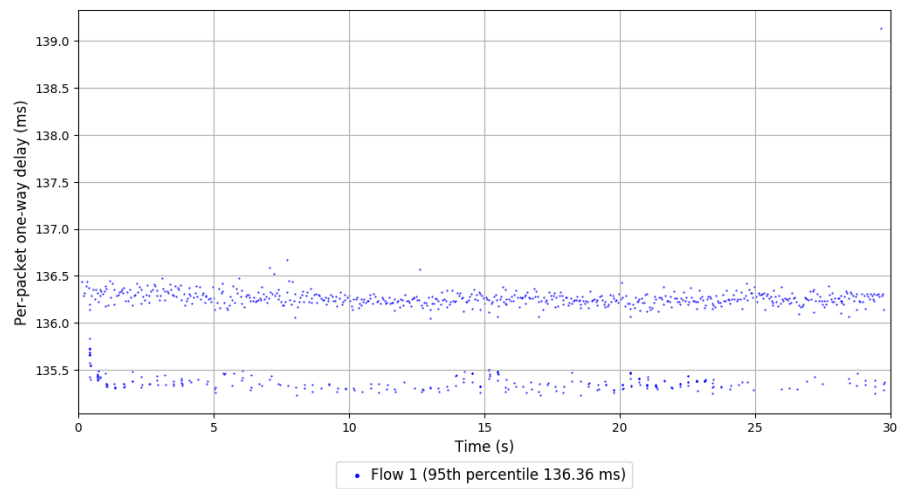
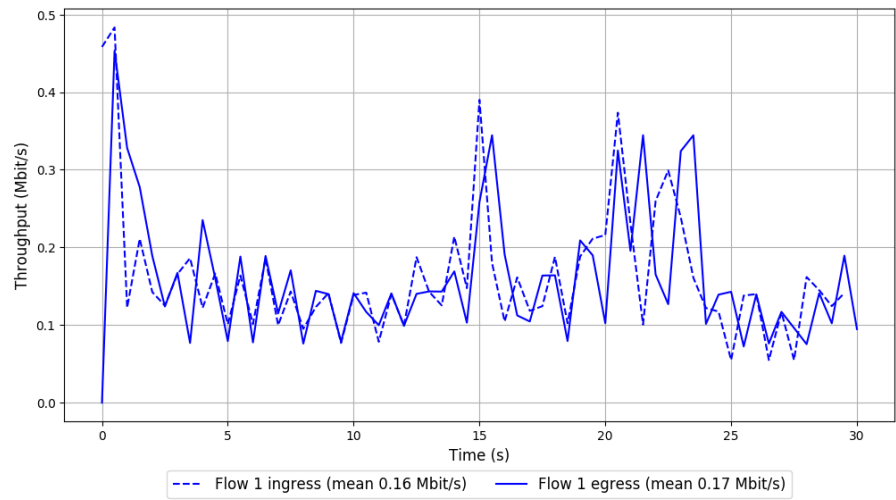


Run 10: Statistics of Sprout

Start at: 2018-05-25 12:30:18  
End at: 2018-05-25 12:30:48  
Local clock offset: 0.393 ms  
Remote clock offset: -0.264 ms

# Below is generated by plot.py at 2018-05-25 14:01:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.17 Mbit/s  
95th percentile per-packet one-way delay: 136.360 ms  
Loss rate: 0.51%  
-- Flow 1:  
Average throughput: 0.17 Mbit/s  
95th percentile per-packet one-way delay: 136.360 ms  
Loss rate: 0.51%

## Run 10: Report of Sprout — Data Link

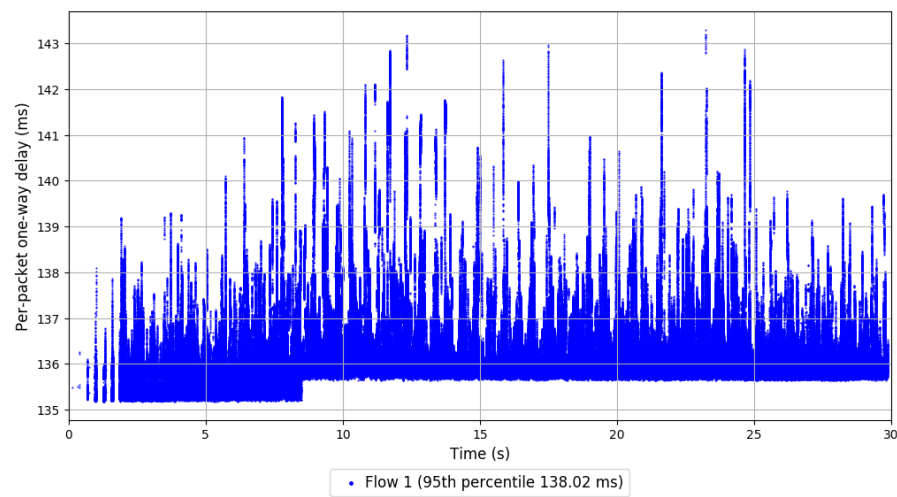
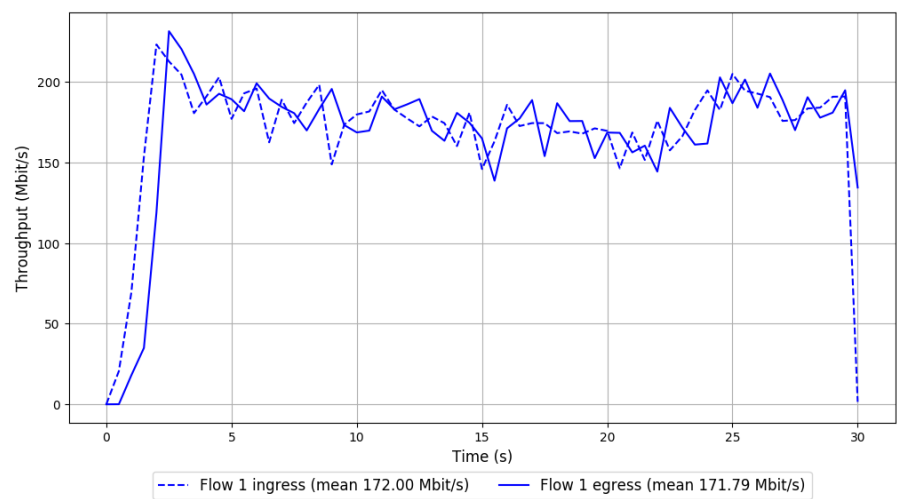


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-05-25 09:29:02
End at: 2018-05-25 09:29:32
Local clock offset: 0.403 ms
Remote clock offset: 0.19 ms

# Below is generated by plot.py at 2018-05-25 14:01:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 171.79 Mbit/s
95th percentile per-packet one-way delay: 138.017 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 171.79 Mbit/s
95th percentile per-packet one-way delay: 138.017 ms
Loss rate: 1.02%
```

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

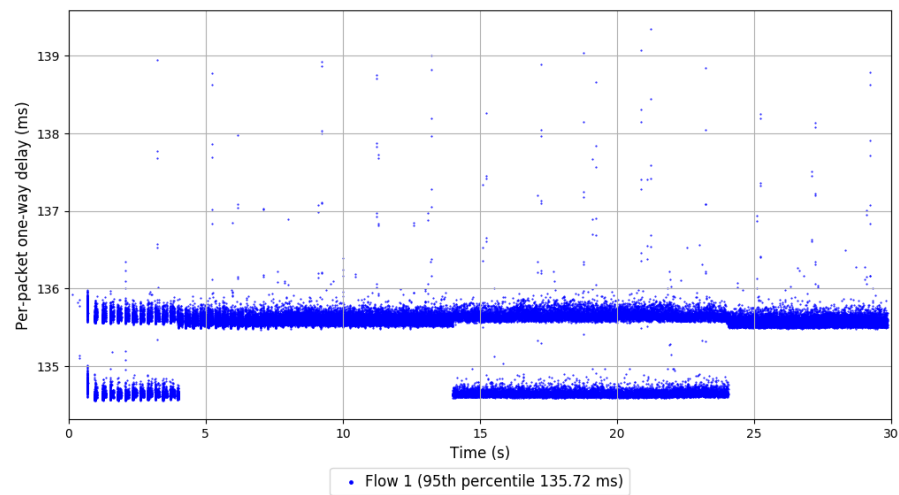
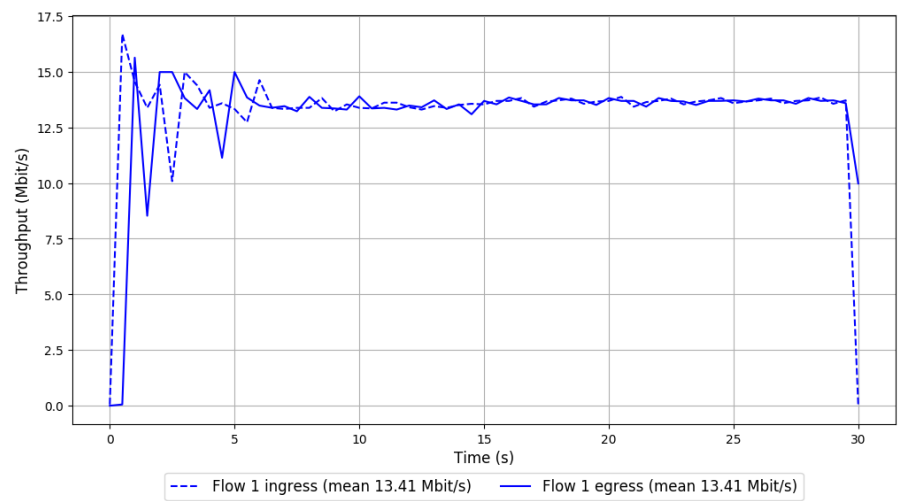


Run 2: Statistics of TaoVA-100x

Start at: 2018-05-25 09:50:27  
End at: 2018-05-25 09:50:57  
Local clock offset: -0.251 ms  
Remote clock offset: -0.214 ms

# Below is generated by plot.py at 2018-05-25 14:01:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 13.41 Mbit/s  
95th percentile per-packet one-way delay: 135.724 ms  
Loss rate: 0.93%  
-- Flow 1:  
Average throughput: 13.41 Mbit/s  
95th percentile per-packet one-way delay: 135.724 ms  
Loss rate: 0.93%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-05-25 10:11:31

End at: 2018-05-25 10:12:01

Local clock offset: -0.006 ms

Remote clock offset: -0.16 ms

# Below is generated by plot.py at 2018-05-25 14:02:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 192.80 Mbit/s

95th percentile per-packet one-way delay: 136.285 ms

Loss rate: 1.00%

-- Flow 1:

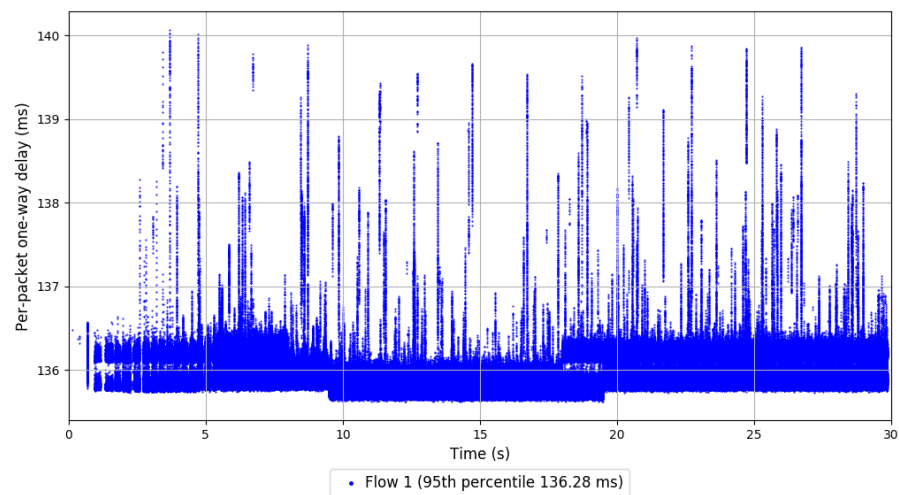
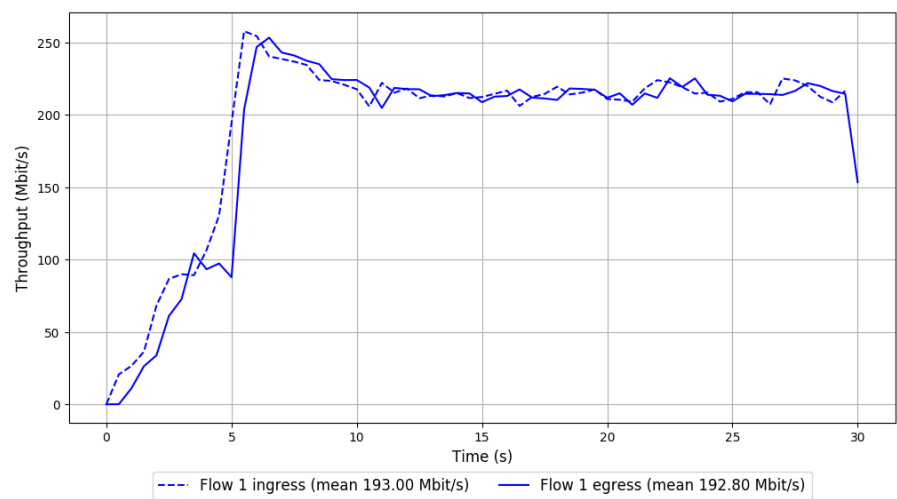
Average throughput: 192.80 Mbit/s

95th percentile per-packet one-way delay: 136.285 ms

Loss rate: 1.00%



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



Run 4: Statistics of TaoVA-100x

Start at: 2018-05-25 10:32:55

End at: 2018-05-25 10:33:25

Local clock offset: -0.08 ms

Remote clock offset: -0.216 ms

# Below is generated by plot.py at 2018-05-25 14:02:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 10.92 Mbit/s

95th percentile per-packet one-way delay: 136.471 ms

Loss rate: 0.51%

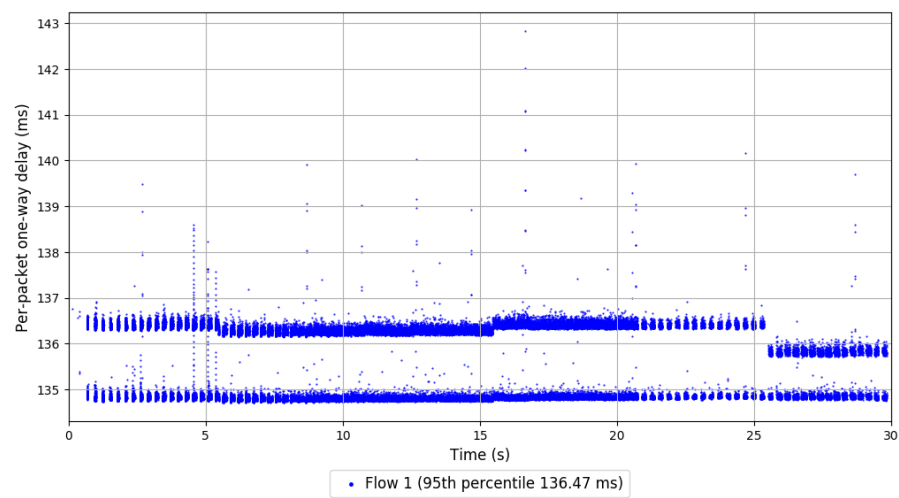
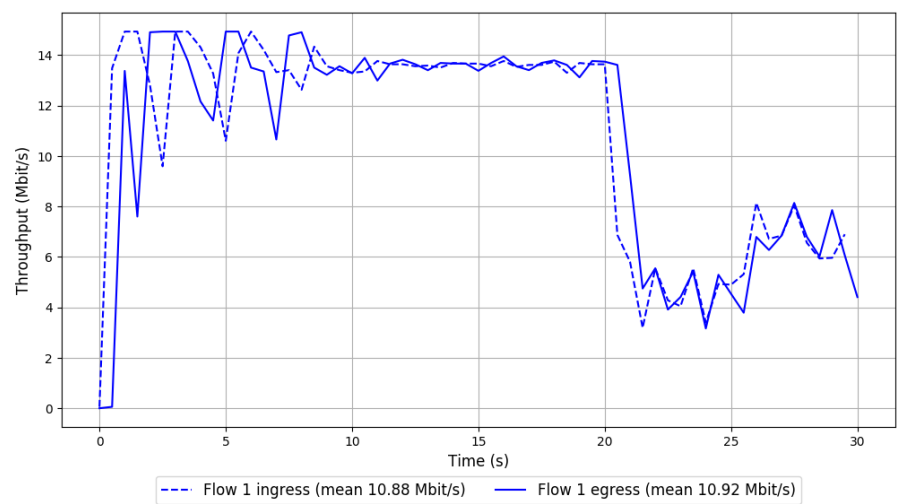
-- Flow 1:

Average throughput: 10.92 Mbit/s

95th percentile per-packet one-way delay: 136.471 ms

Loss rate: 0.51%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-05-25 10:53:55

End at: 2018-05-25 10:54:25

Local clock offset: -0.365 ms

Remote clock offset: 0.177 ms

# Below is generated by plot.py at 2018-05-25 14:02:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 13.38 Mbit/s

95th percentile per-packet one-way delay: 135.671 ms

Loss rate: 0.93%

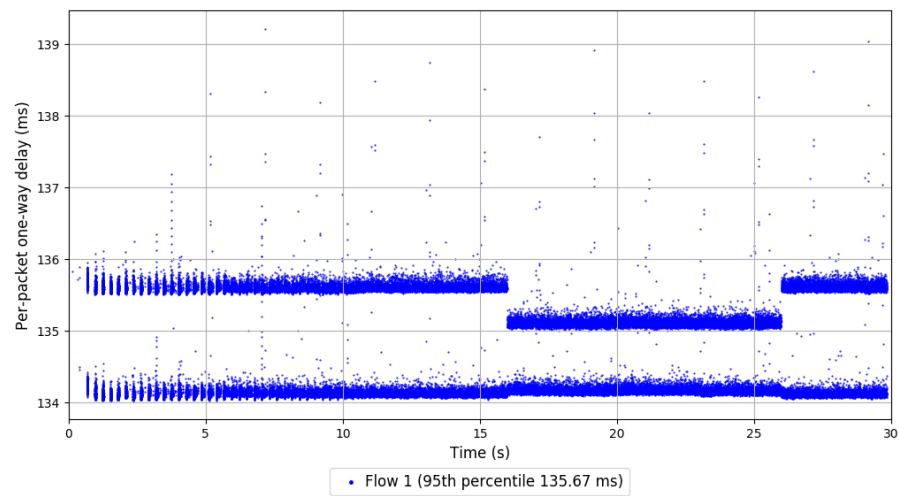
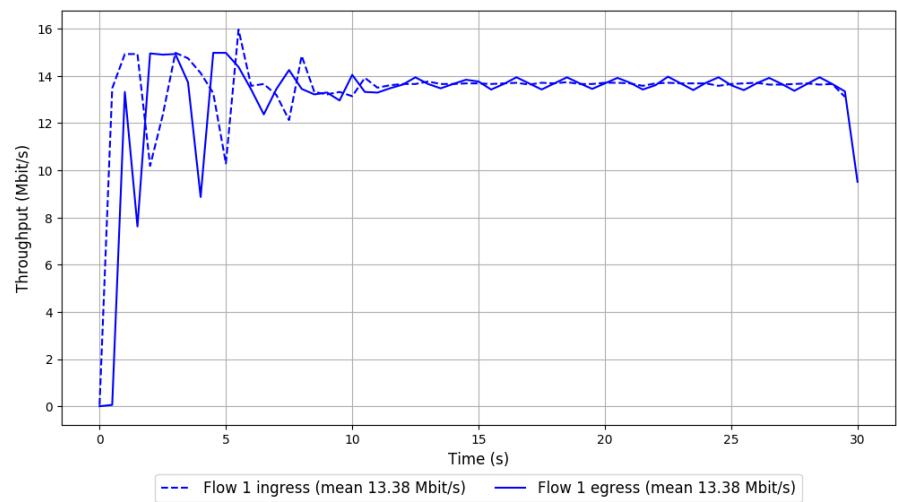
-- Flow 1:

Average throughput: 13.38 Mbit/s

95th percentile per-packet one-way delay: 135.671 ms

Loss rate: 0.93%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-05-25 11:14:49

End at: 2018-05-25 11:15:19

Local clock offset: 0.254 ms

Remote clock offset: 0.234 ms

# Below is generated by plot.py at 2018-05-25 14:04:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 205.31 Mbit/s

95th percentile per-packet one-way delay: 136.249 ms

Loss rate: 0.94%

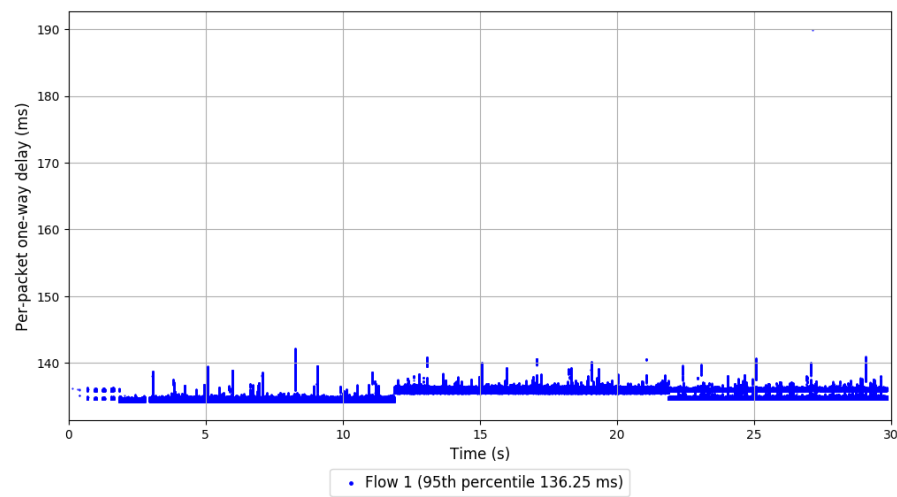
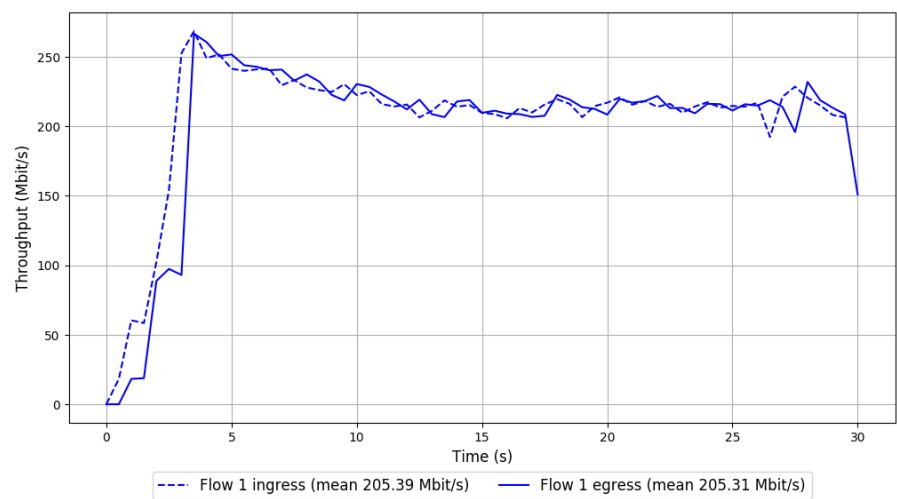
-- Flow 1:

Average throughput: 205.31 Mbit/s

95th percentile per-packet one-way delay: 136.249 ms

Loss rate: 0.94%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-05-25 11:36:25

End at: 2018-05-25 11:36:55

Local clock offset: 0.132 ms

Remote clock offset: 0.192 ms

# Below is generated by plot.py at 2018-05-25 14:04:37

# Datalink statistics

-- Total of 1 flow:

Average throughput: 199.85 Mbit/s

95th percentile per-packet one-way delay: 135.742 ms

Loss rate: 0.81%

-- Flow 1:

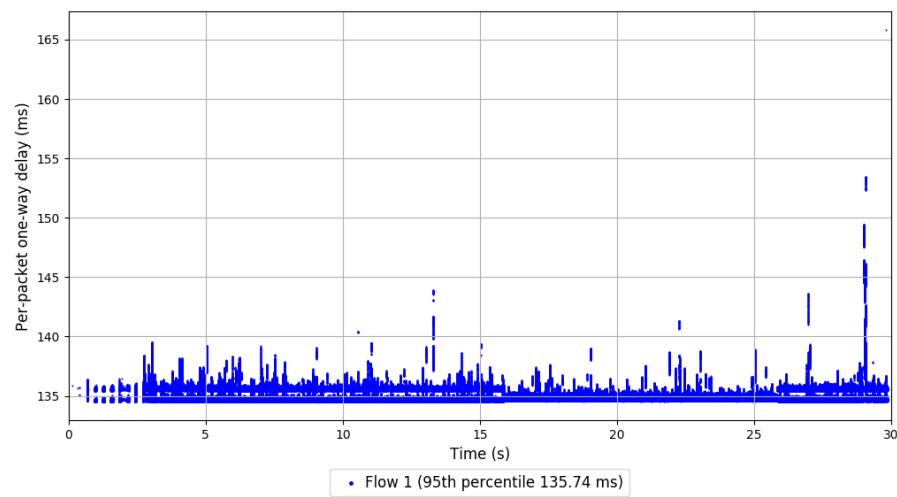
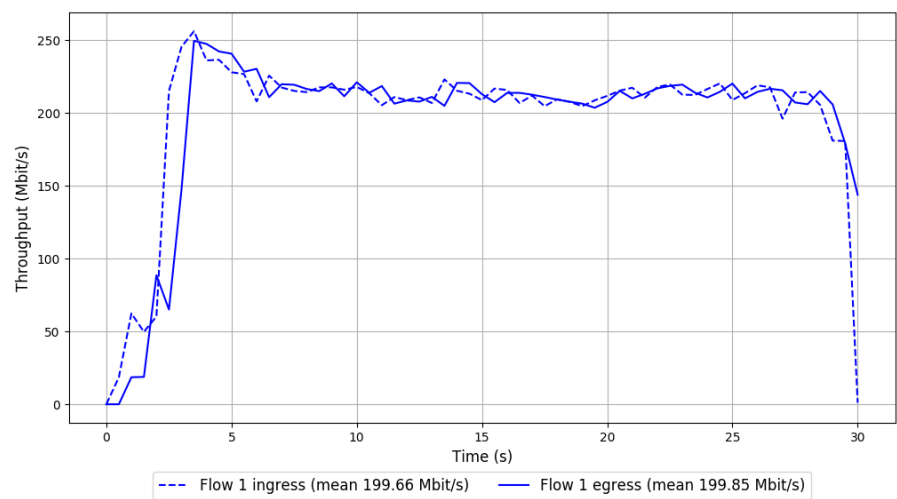
Average throughput: 199.85 Mbit/s

95th percentile per-packet one-way delay: 135.742 ms

Loss rate: 0.81%



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

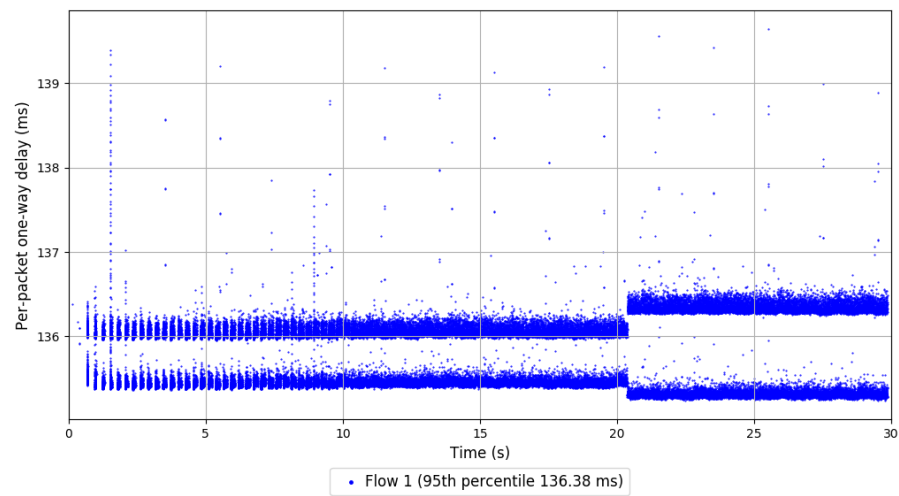
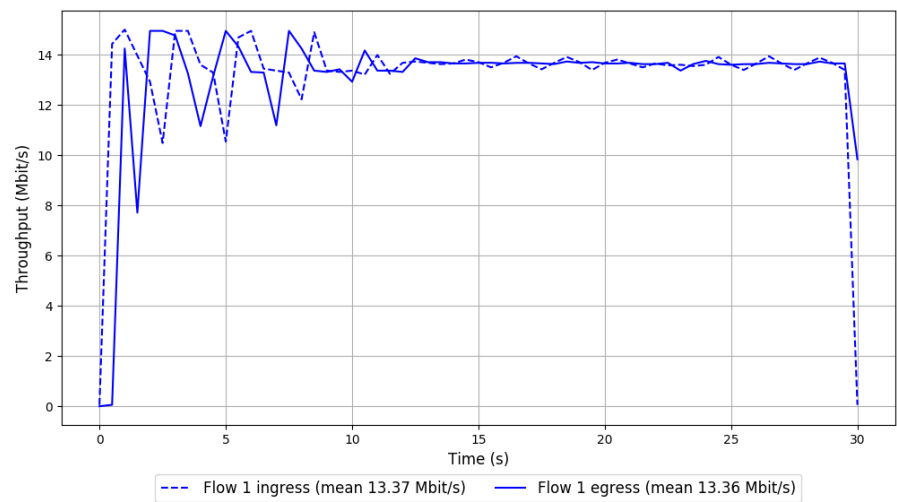


Run 8: Statistics of TaoVA-100x

Start at: 2018-05-25 11:58:10  
End at: 2018-05-25 11:58:40  
Local clock offset: 0.184 ms  
Remote clock offset: -0.567 ms

# Below is generated by plot.py at 2018-05-25 14:04:37  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 13.36 Mbit/s  
95th percentile per-packet one-way delay: 136.384 ms  
Loss rate: 0.92%  
-- Flow 1:  
Average throughput: 13.36 Mbit/s  
95th percentile per-packet one-way delay: 136.384 ms  
Loss rate: 0.92%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-05-25 12:19:24

End at: 2018-05-25 12:19:54

Local clock offset: 0.14 ms

Remote clock offset: -0.594 ms

# Below is generated by plot.py at 2018-05-25 14:05:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 202.68 Mbit/s

95th percentile per-packet one-way delay: 136.615 ms

Loss rate: 1.02%

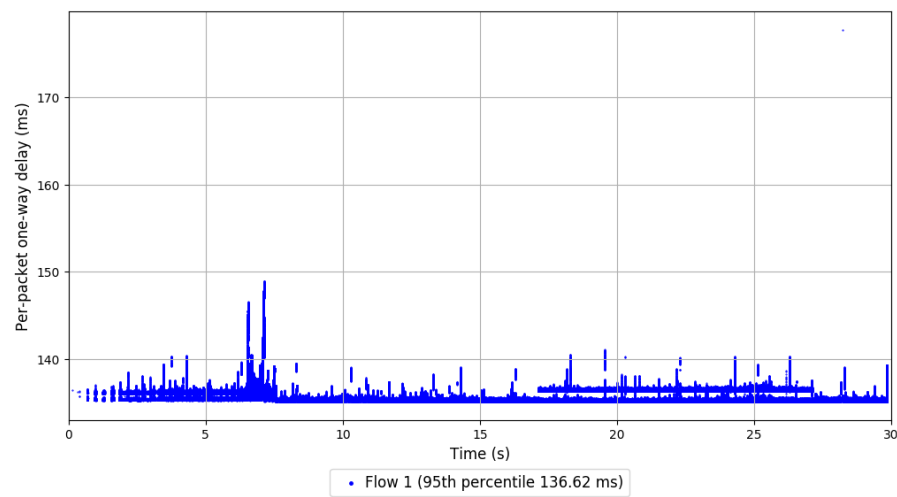
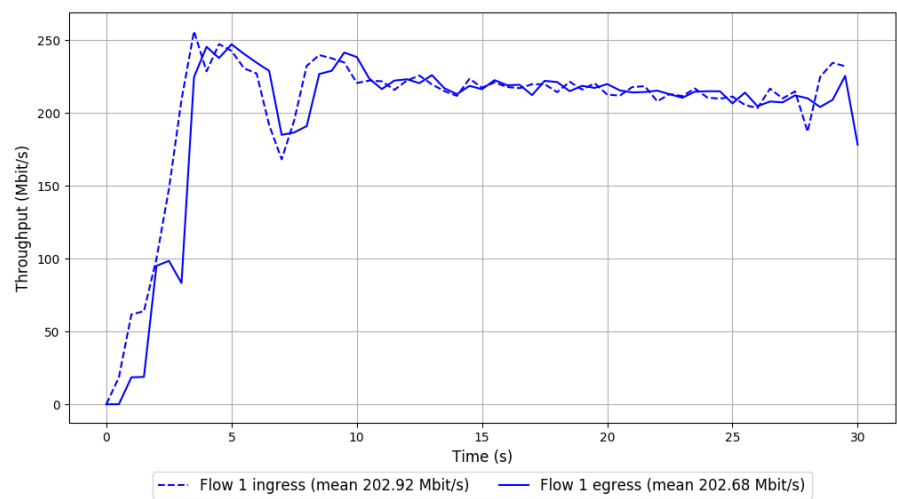
-- Flow 1:

Average throughput: 202.68 Mbit/s

95th percentile per-packet one-way delay: 136.615 ms

Loss rate: 1.02%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-05-25 12:40:51

End at: 2018-05-25 12:41:21

Local clock offset: -0.31 ms

Remote clock offset: -0.6 ms

# Below is generated by plot.py at 2018-05-25 14:07:24

# Datalink statistics

-- Total of 1 flow:

Average throughput: 206.01 Mbit/s

95th percentile per-packet one-way delay: 135.207 ms

Loss rate: 0.97%

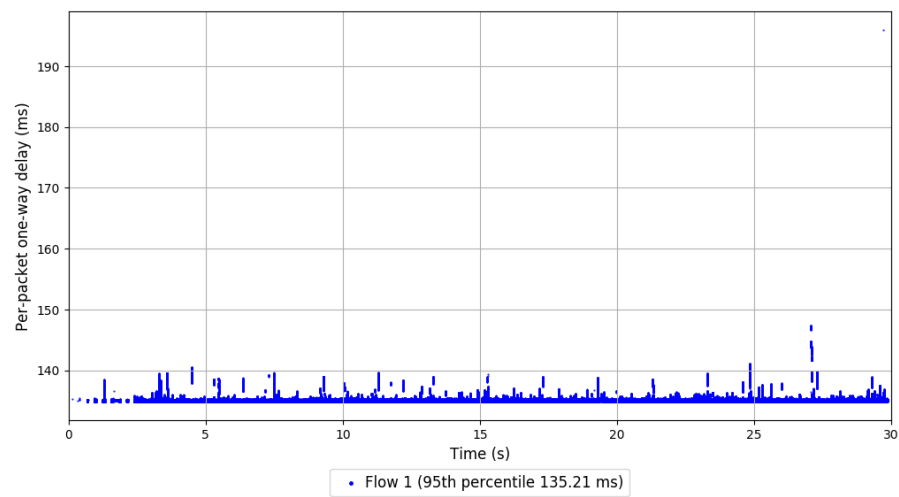
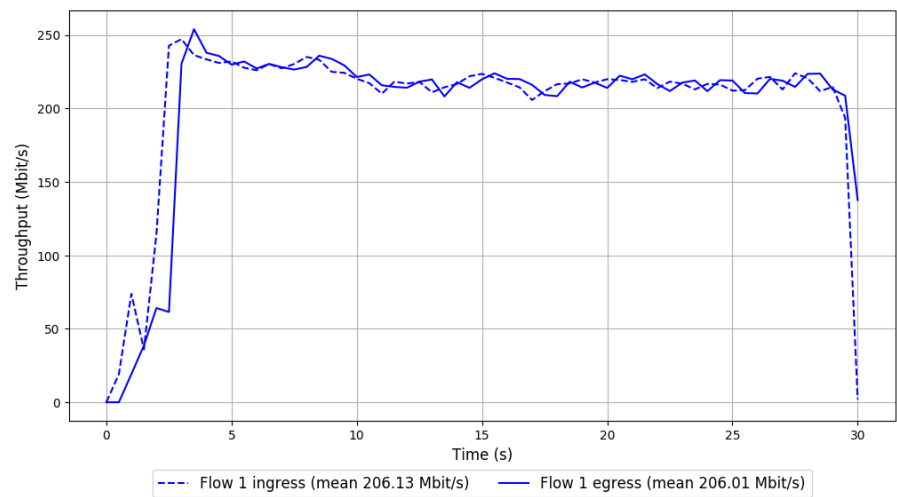
-- Flow 1:

Average throughput: 206.01 Mbit/s

95th percentile per-packet one-way delay: 135.207 ms

Loss rate: 0.97%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-05-25 09:27:52

End at: 2018-05-25 09:28:22

Local clock offset: -0.085 ms

Remote clock offset: 0.156 ms

# Below is generated by plot.py at 2018-05-25 14:07:24

# Datalink statistics

-- Total of 1 flow:

Average throughput: 27.71 Mbit/s

95th percentile per-packet one-way delay: 137.025 ms

Loss rate: 1.01%

-- Flow 1:

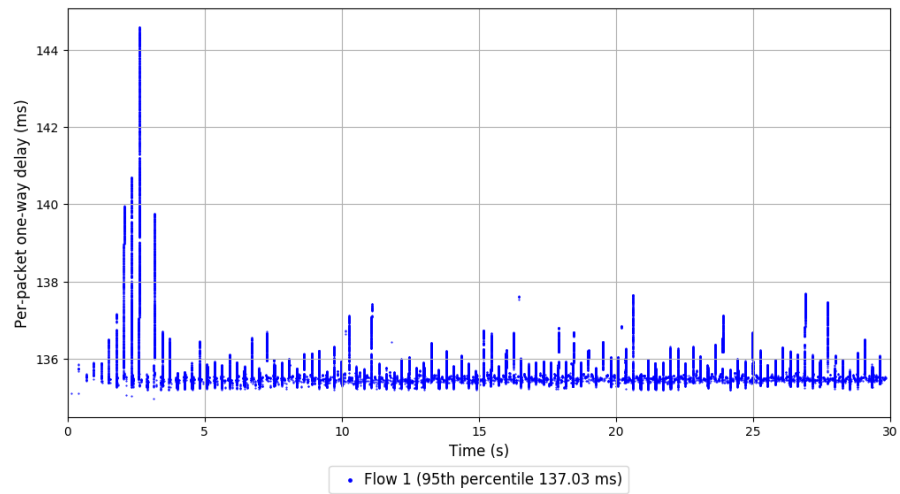
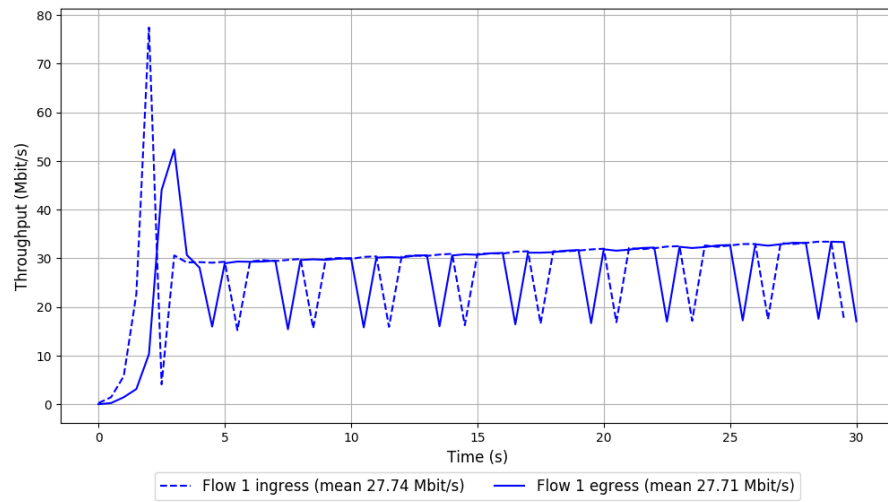
Average throughput: 27.71 Mbit/s

95th percentile per-packet one-way delay: 137.025 ms

Loss rate: 1.01%



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



Run 2: Statistics of TCP Vegas

Start at: 2018-05-25 09:49:15

End at: 2018-05-25 09:49:45

Local clock offset: 0.292 ms

Remote clock offset: 0.194 ms

# Below is generated by plot.py at 2018-05-25 14:07:24

# Datalink statistics

-- Total of 1 flow:

Average throughput: 49.25 Mbit/s

95th percentile per-packet one-way delay: 137.167 ms

Loss rate: 0.96%

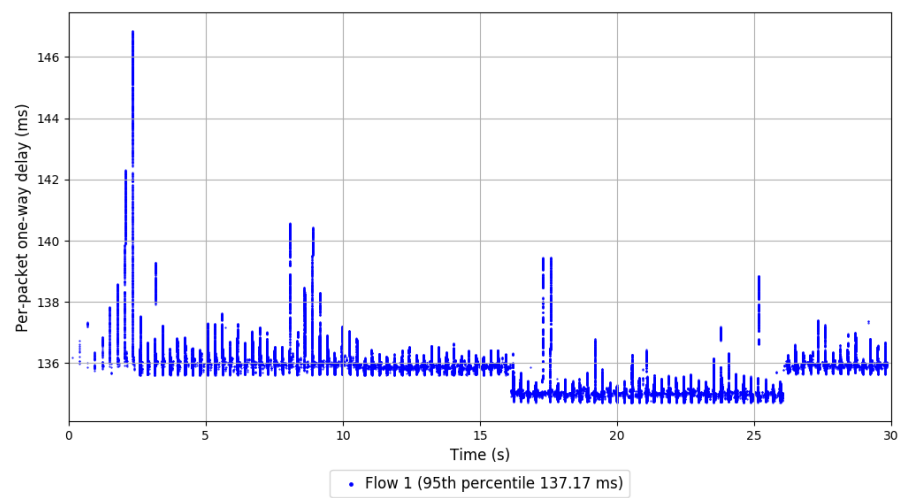
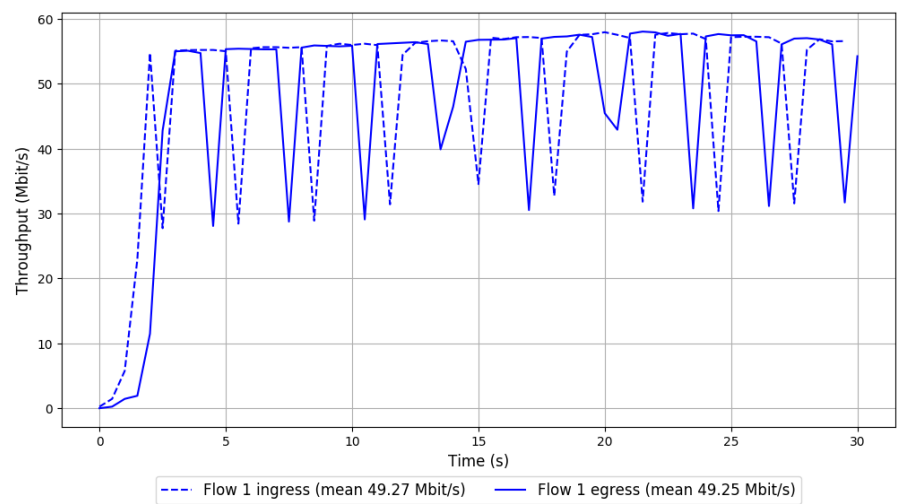
-- Flow 1:

Average throughput: 49.25 Mbit/s

95th percentile per-packet one-way delay: 137.167 ms

Loss rate: 0.96%

Run 2: Report of TCP Vegas — Data Link

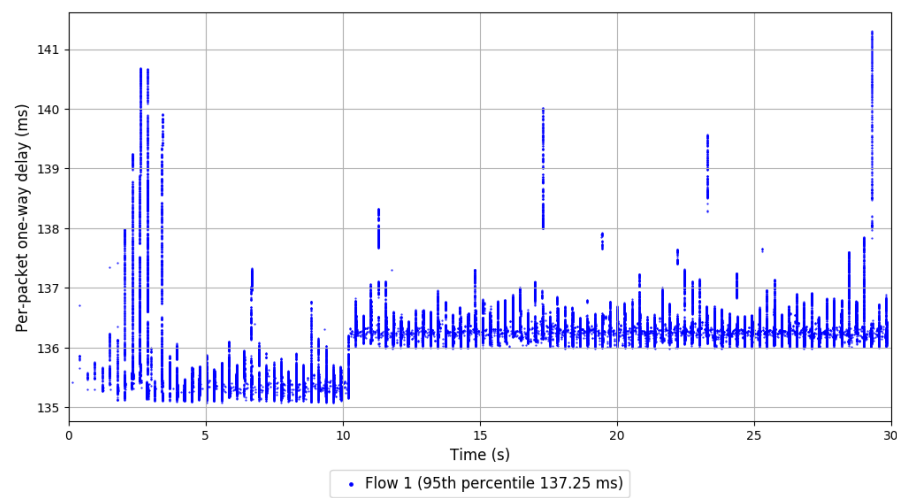
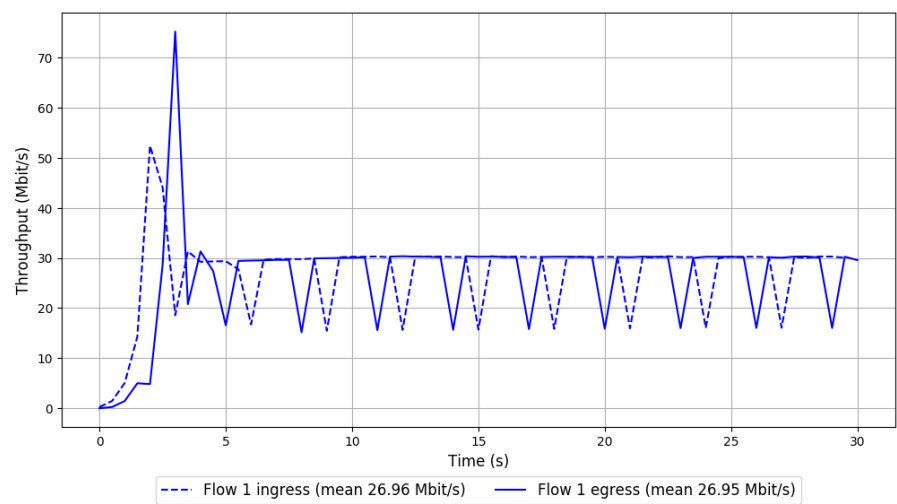


Run 3: Statistics of TCP Vegas

Start at: 2018-05-25 10:10:21  
End at: 2018-05-25 10:10:51  
Local clock offset: 0.222 ms  
Remote clock offset: -0.175 ms

# Below is generated by plot.py at 2018-05-25 14:07:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 26.95 Mbit/s  
95th percentile per-packet one-way delay: 137.245 ms  
Loss rate: 0.94%  
-- Flow 1:  
Average throughput: 26.95 Mbit/s  
95th percentile per-packet one-way delay: 137.245 ms  
Loss rate: 0.94%

Run 3: Report of TCP Vegas — Data Link

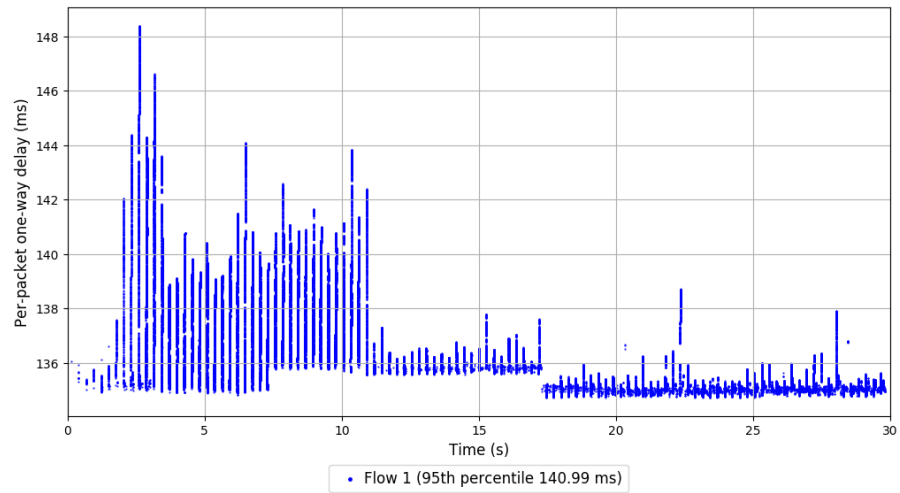
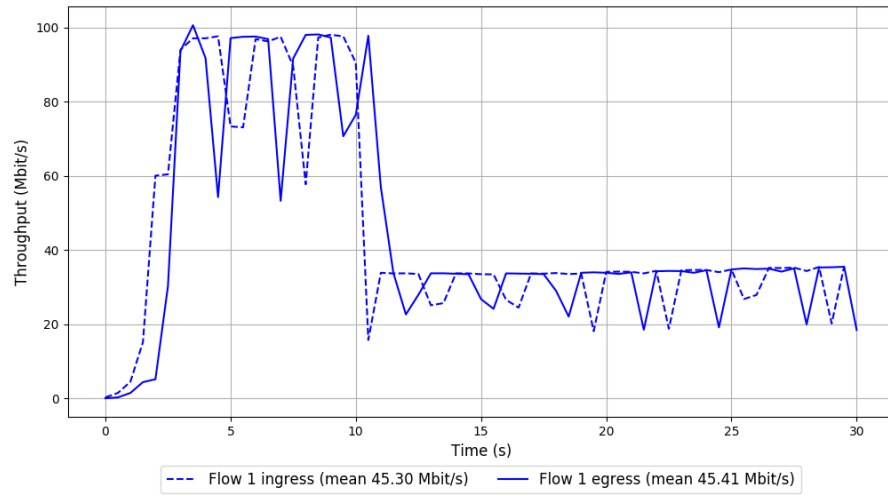


Run 4: Statistics of TCP Vegas

Start at: 2018-05-25 10:31:43  
End at: 2018-05-25 10:32:13  
Local clock offset: -0.074 ms  
Remote clock offset: -0.214 ms

# Below is generated by plot.py at 2018-05-25 14:07:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 45.41 Mbit/s  
95th percentile per-packet one-way delay: 140.989 ms  
Loss rate: 0.66%  
-- Flow 1:  
Average throughput: 45.41 Mbit/s  
95th percentile per-packet one-way delay: 140.989 ms  
Loss rate: 0.66%

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



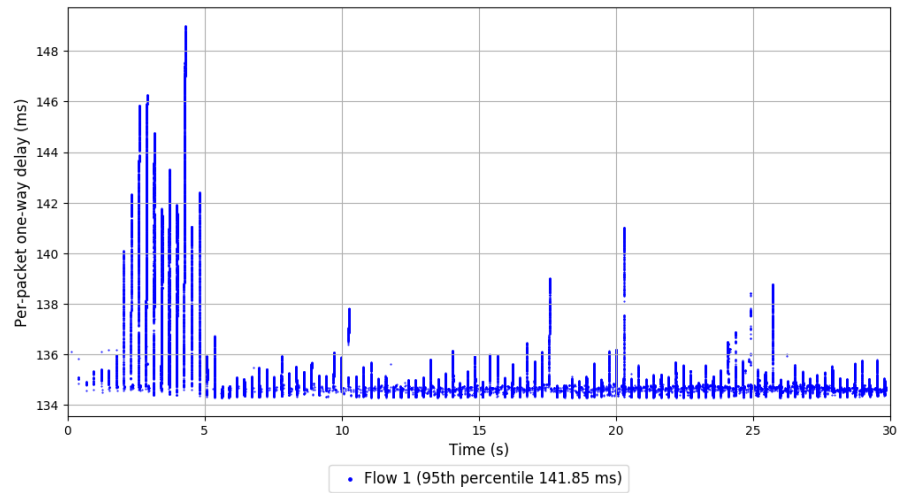
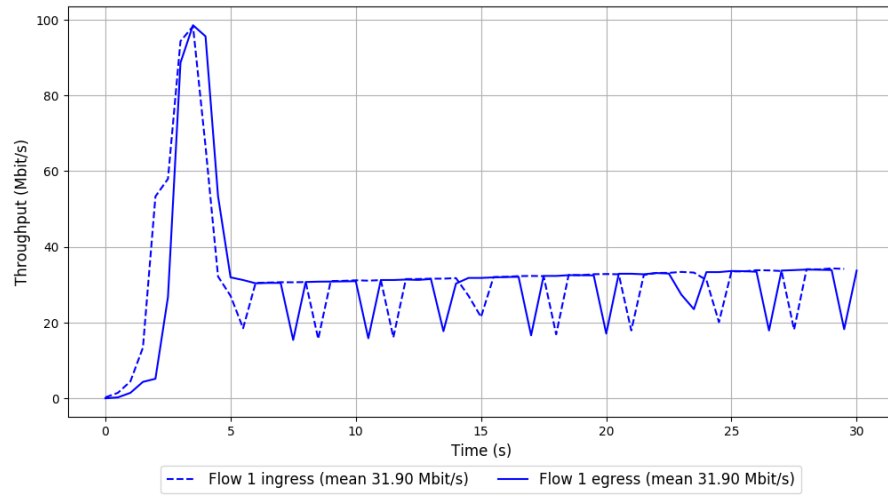
Run 5: Statistics of TCP Vegas

Start at: 2018-05-25 10:52:44  
End at: 2018-05-25 10:53:14  
Local clock offset: -0.487 ms  
Remote clock offset: -0.201 ms

# Below is generated by plot.py at 2018-05-25 14:07:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 31.90 Mbit/s  
95th percentile per-packet one-way delay: 141.846 ms  
Loss rate: 0.90%  
-- Flow 1:  
Average throughput: 31.90 Mbit/s  
95th percentile per-packet one-way delay: 141.846 ms  
Loss rate: 0.90%



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

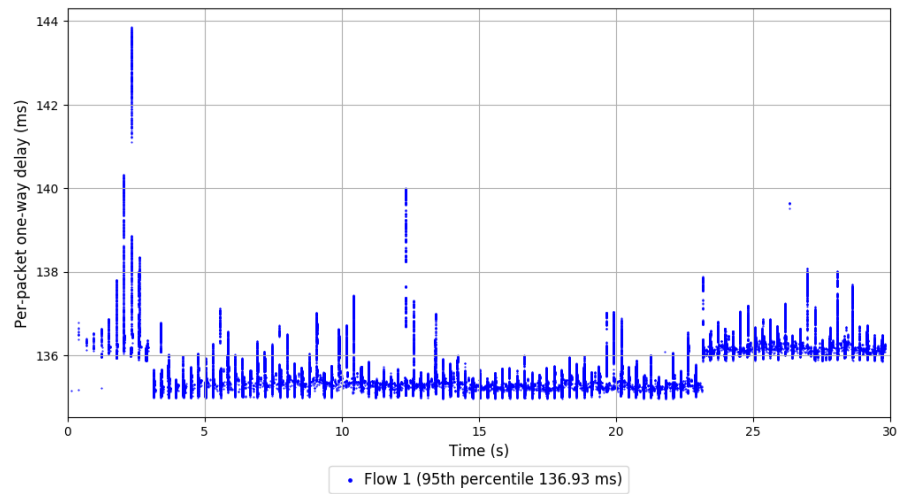
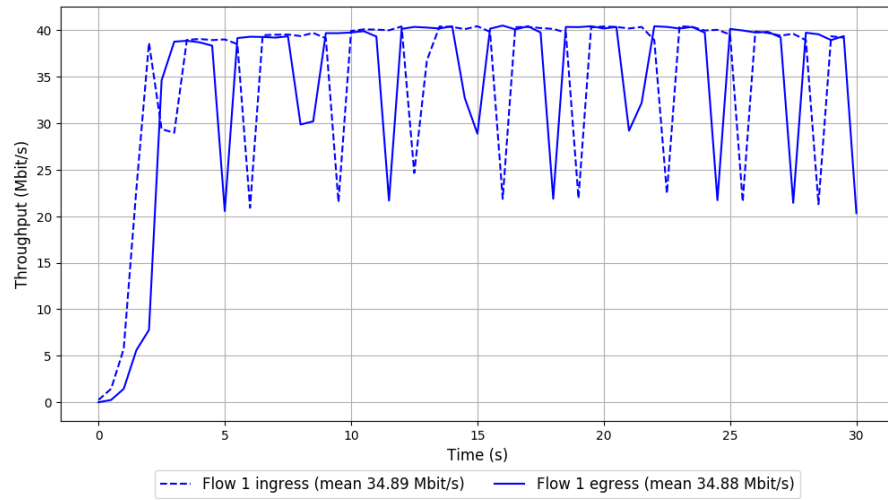


Run 6: Statistics of TCP Vegas

Start at: 2018-05-25 11:13:38  
End at: 2018-05-25 11:14:08  
Local clock offset: -0.108 ms  
Remote clock offset: -0.552 ms

# Below is generated by plot.py at 2018-05-25 14:07:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 34.88 Mbit/s  
95th percentile per-packet one-way delay: 136.933 ms  
Loss rate: 0.94%  
-- Flow 1:  
Average throughput: 34.88 Mbit/s  
95th percentile per-packet one-way delay: 136.933 ms  
Loss rate: 0.94%

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

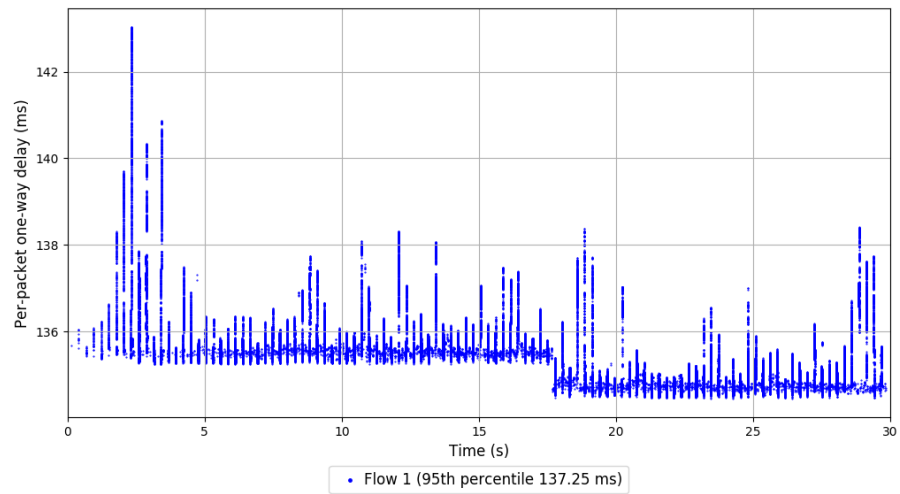
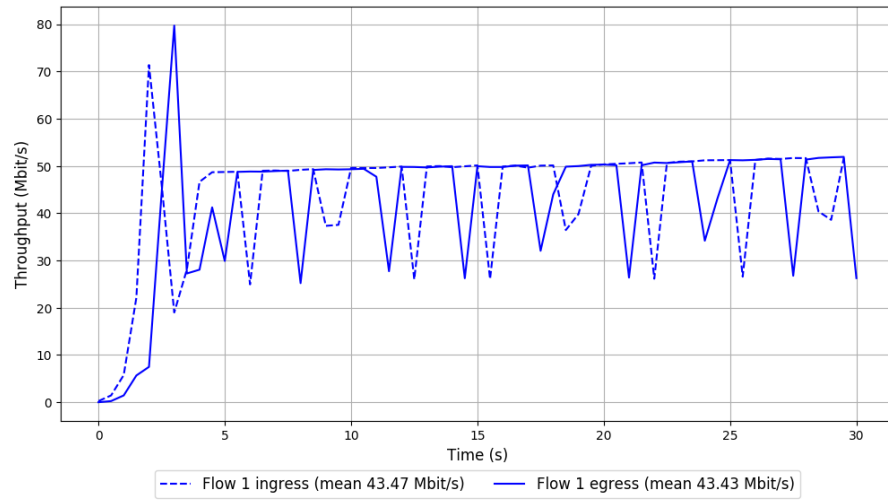


Run 7: Statistics of TCP Vegas

Start at: 2018-05-25 11:35:13  
End at: 2018-05-25 11:35:43  
Local clock offset: -0.34 ms  
Remote clock offset: -0.209 ms

# Below is generated by plot.py at 2018-05-25 14:07:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 43.43 Mbit/s  
95th percentile per-packet one-way delay: 137.248 ms  
Loss rate: 1.00%  
-- Flow 1:  
Average throughput: 43.43 Mbit/s  
95th percentile per-packet one-way delay: 137.248 ms  
Loss rate: 1.00%

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



Run 8: Statistics of TCP Vegas

Start at: 2018-05-25 11:57:00

End at: 2018-05-25 11:57:30

Local clock offset: -0.18 ms

Remote clock offset: -0.18 ms

# Below is generated by plot.py at 2018-05-25 14:07:24

# Datalink statistics

-- Total of 1 flow:

Average throughput: 24.47 Mbit/s

95th percentile per-packet one-way delay: 138.817 ms

Loss rate: 0.90%

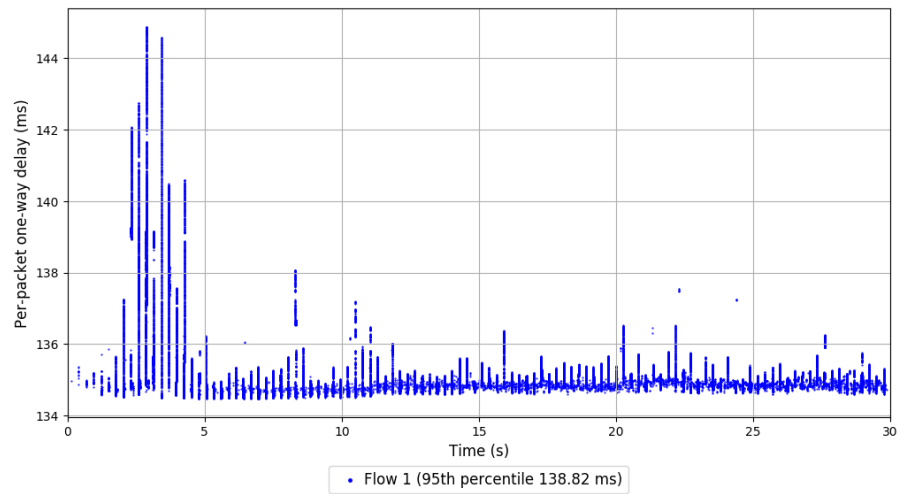
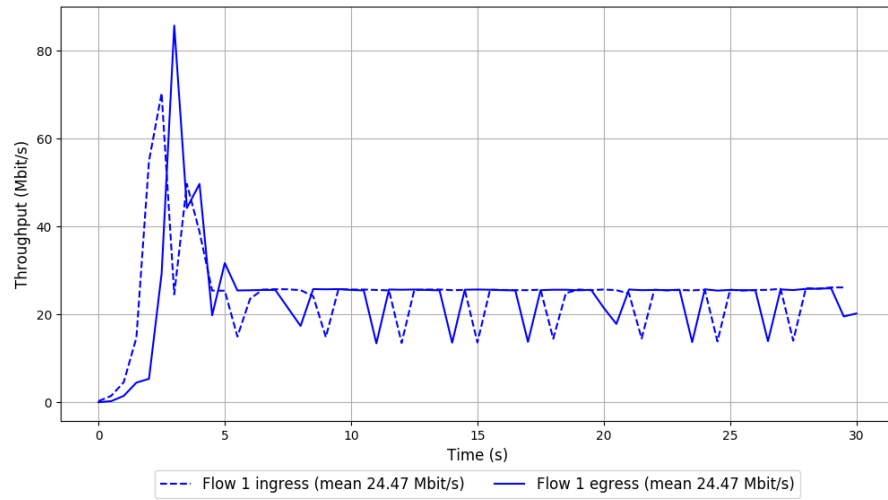
-- Flow 1:

Average throughput: 24.47 Mbit/s

95th percentile per-packet one-way delay: 138.817 ms

Loss rate: 0.90%

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



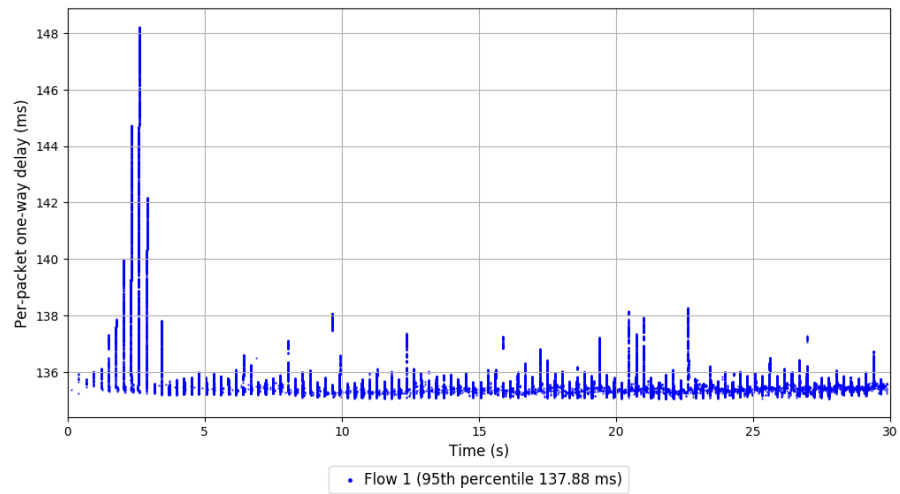
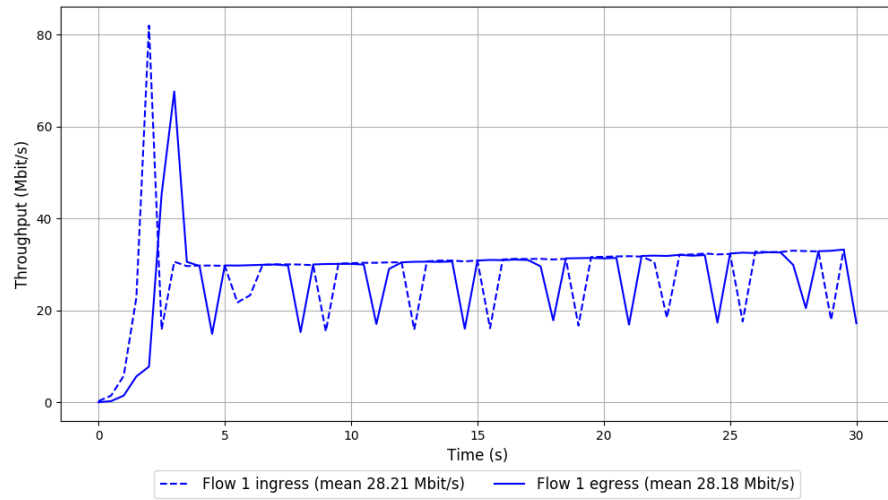
Run 9: Statistics of TCP Vegas

Start at: 2018-05-25 12:18:13  
End at: 2018-05-25 12:18:43  
Local clock offset: 0.033 ms  
Remote clock offset: -0.561 ms

# Below is generated by plot.py at 2018-05-25 14:07:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 28.18 Mbit/s  
95th percentile per-packet one-way delay: 137.878 ms  
Loss rate: 0.99%  
-- Flow 1:  
Average throughput: 28.18 Mbit/s  
95th percentile per-packet one-way delay: 137.878 ms  
Loss rate: 0.99%



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

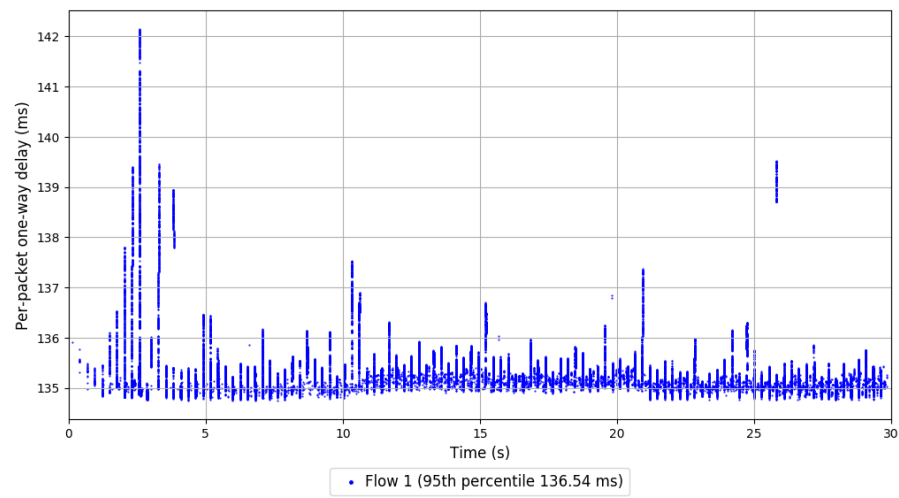
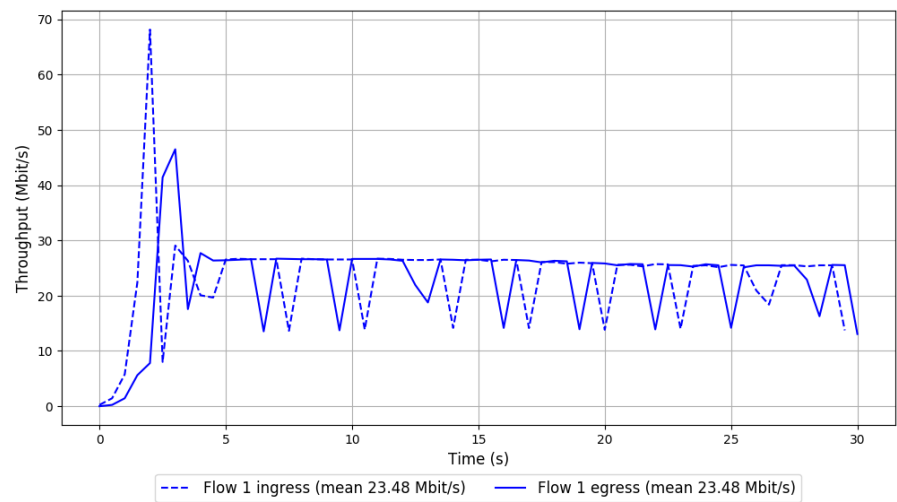


Run 10: Statistics of TCP Vegas

Start at: 2018-05-25 12:39:40  
End at: 2018-05-25 12:40:10  
Local clock offset: 0.056 ms  
Remote clock offset: -0.243 ms

# Below is generated by plot.py at 2018-05-25 14:07:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 23.48 Mbit/s  
95th percentile per-packet one-way delay: 136.537 ms  
Loss rate: 0.91%  
-- Flow 1:  
Average throughput: 23.48 Mbit/s  
95th percentile per-packet one-way delay: 136.537 ms  
Loss rate: 0.91%

Run 10: Report of TCP Vegas — Data Link

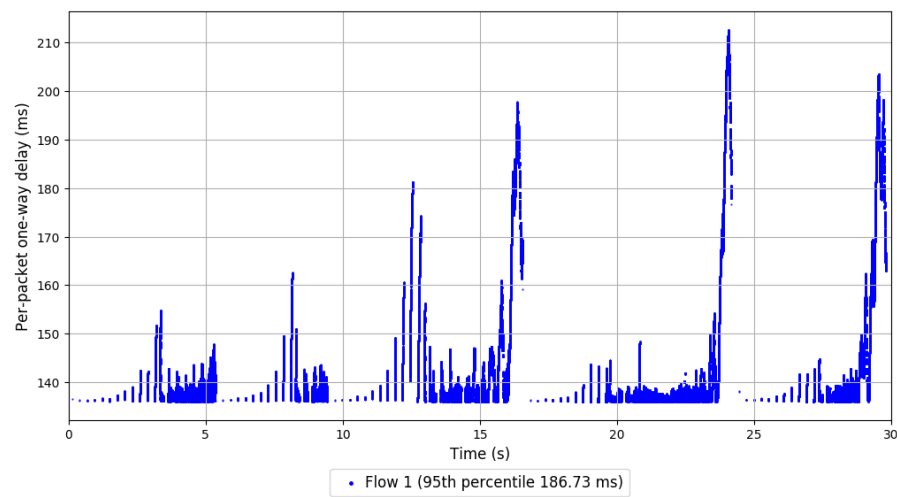
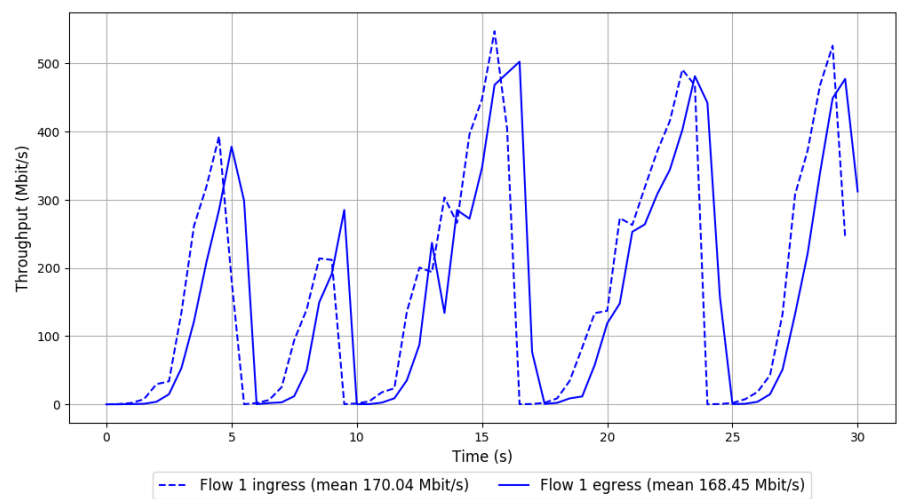


Run 1: Statistics of Verus

Start at: 2018-05-25 09:34:45  
End at: 2018-05-25 09:35:15  
Local clock offset: -0.023 ms  
Remote clock offset: -0.603 ms

# Below is generated by plot.py at 2018-05-25 14:07:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 168.45 Mbit/s  
95th percentile per-packet one-way delay: 186.732 ms  
Loss rate: 1.18%  
-- Flow 1:  
Average throughput: 168.45 Mbit/s  
95th percentile per-packet one-way delay: 186.732 ms  
Loss rate: 1.18%

Run 1: Report of Verus — Data Link

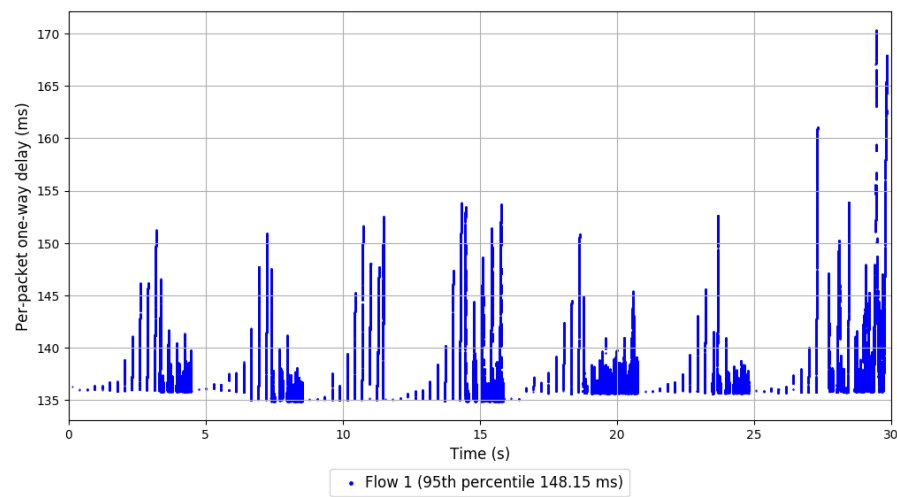
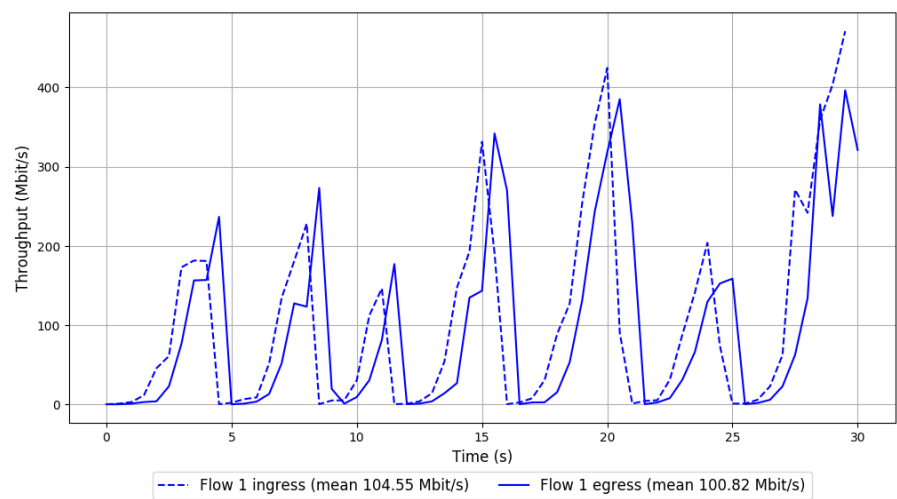


Run 2: Statistics of Verus

Start at: 2018-05-25 09:55:54  
End at: 2018-05-25 09:56:24  
Local clock offset: -0.013 ms  
Remote clock offset: -0.189 ms

# Below is generated by plot.py at 2018-05-25 14:07:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 100.82 Mbit/s  
95th percentile per-packet one-way delay: 148.153 ms  
Loss rate: 4.44%  
-- Flow 1:  
Average throughput: 100.82 Mbit/s  
95th percentile per-packet one-way delay: 148.153 ms  
Loss rate: 4.44%

Run 2: Report of Verus — Data Link



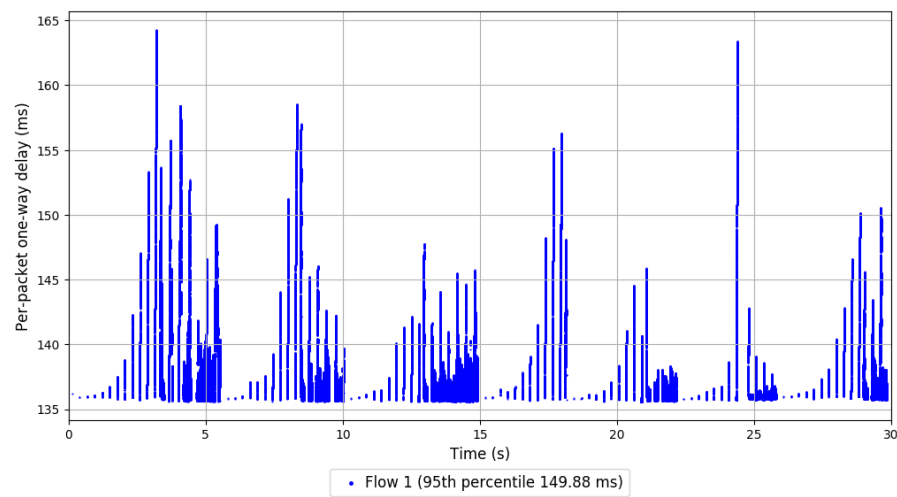
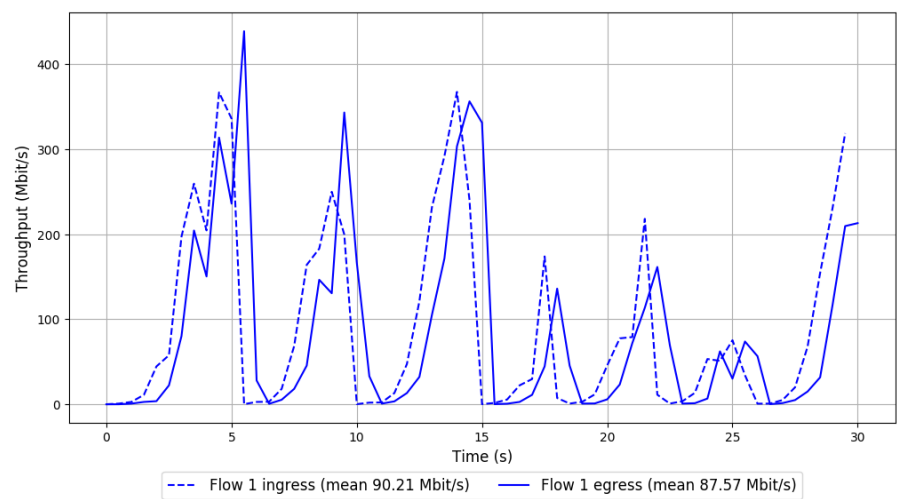
Run 3: Statistics of Verus

Start at: 2018-05-25 10:17:17  
End at: 2018-05-25 10:17:47  
Local clock offset: -0.063 ms  
Remote clock offset: -0.154 ms

# Below is generated by plot.py at 2018-05-25 14:07:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.57 Mbit/s  
95th percentile per-packet one-way delay: 149.881 ms  
Loss rate: 3.80%  
-- Flow 1:  
Average throughput: 87.57 Mbit/s  
95th percentile per-packet one-way delay: 149.881 ms  
Loss rate: 3.80%



Run 3: Report of Verus — Data Link

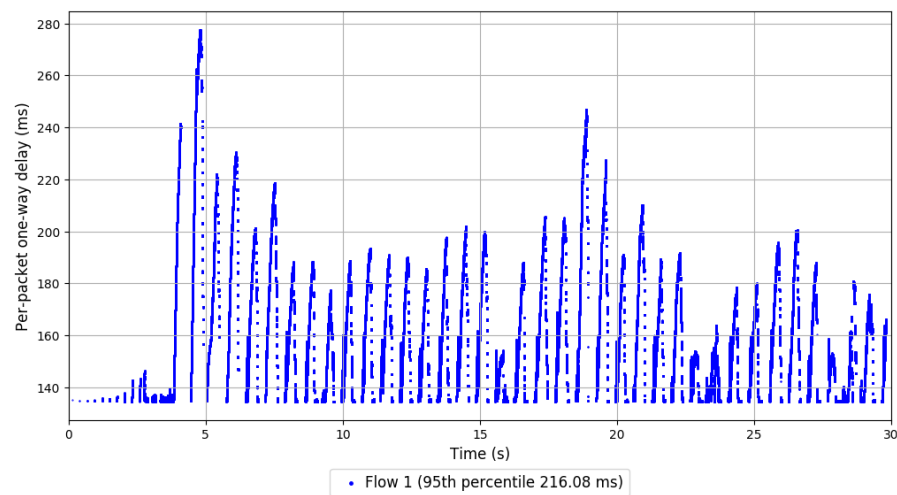
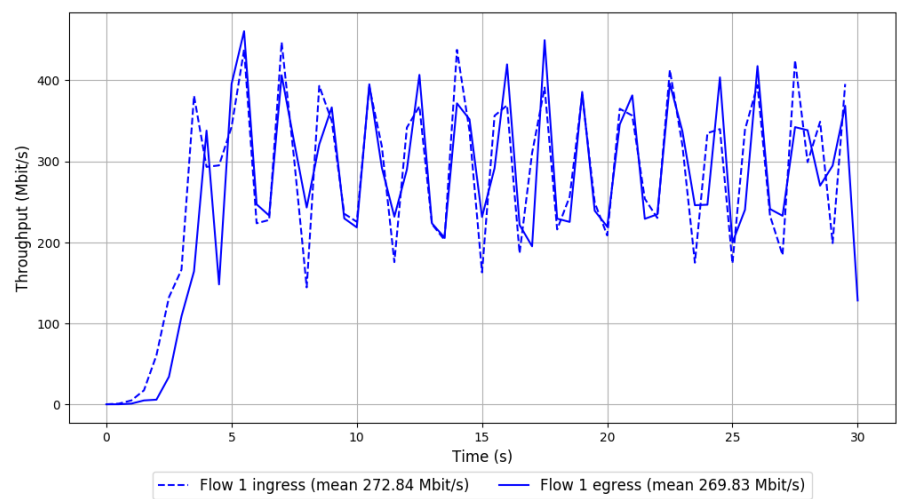


Run 4: Statistics of Verus

Start at: 2018-05-25 10:38:24  
End at: 2018-05-25 10:38:54  
Local clock offset: -0.286 ms  
Remote clock offset: -0.229 ms

# Below is generated by plot.py at 2018-05-25 14:08:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 269.83 Mbit/s  
95th percentile per-packet one-way delay: 216.077 ms  
Loss rate: 2.00%  
-- Flow 1:  
Average throughput: 269.83 Mbit/s  
95th percentile per-packet one-way delay: 216.077 ms  
Loss rate: 2.00%

Run 4: Report of Verus — Data Link

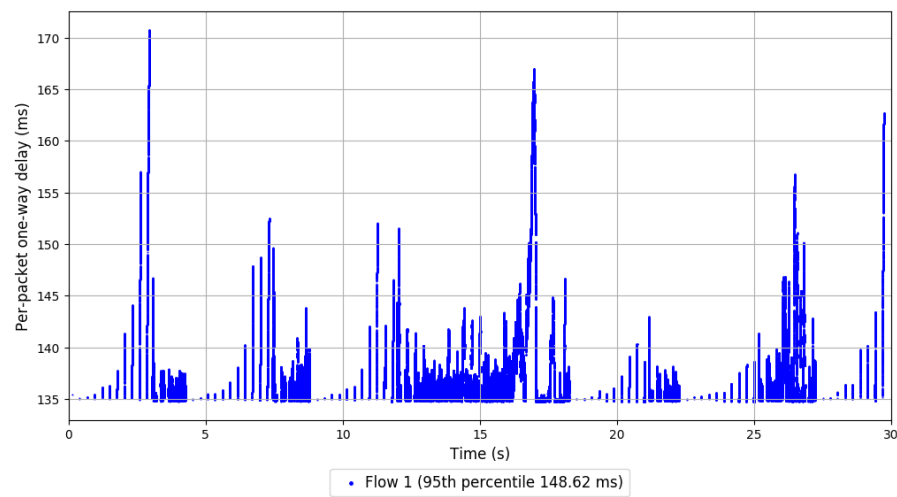
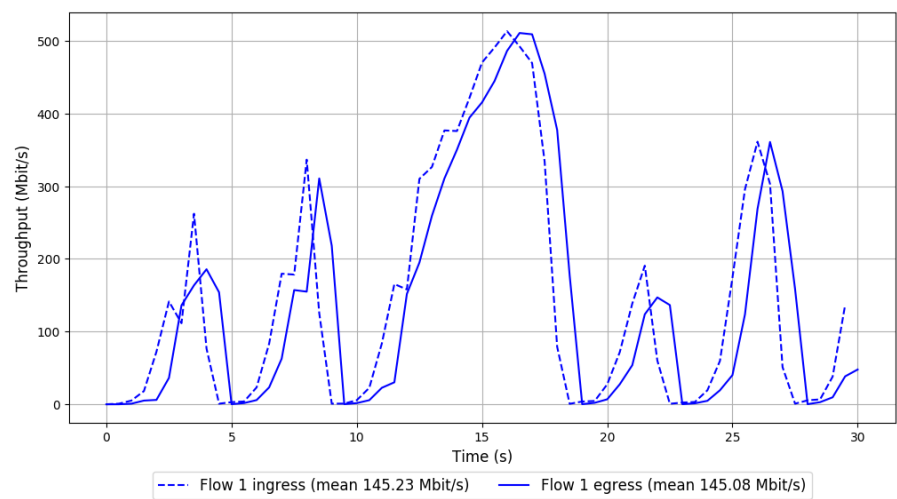


Run 5: Statistics of Verus

Start at: 2018-05-25 10:59:23  
End at: 2018-05-25 10:59:53  
Local clock offset: -0.012 ms  
Remote clock offset: -0.218 ms

# Below is generated by plot.py at 2018-05-25 14:08:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 145.08 Mbit/s  
95th percentile per-packet one-way delay: 148.619 ms  
Loss rate: 1.03%  
-- Flow 1:  
Average throughput: 145.08 Mbit/s  
95th percentile per-packet one-way delay: 148.619 ms  
Loss rate: 1.03%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-05-25 11:20:40

End at: 2018-05-25 11:21:10

Local clock offset: 0.036 ms

Remote clock offset: 0.212 ms

# Below is generated by plot.py at 2018-05-25 14:08:20

# Datalink statistics

-- Total of 1 flow:

Average throughput: 142.74 Mbit/s

95th percentile per-packet one-way delay: 153.094 ms

Loss rate: 0.28%

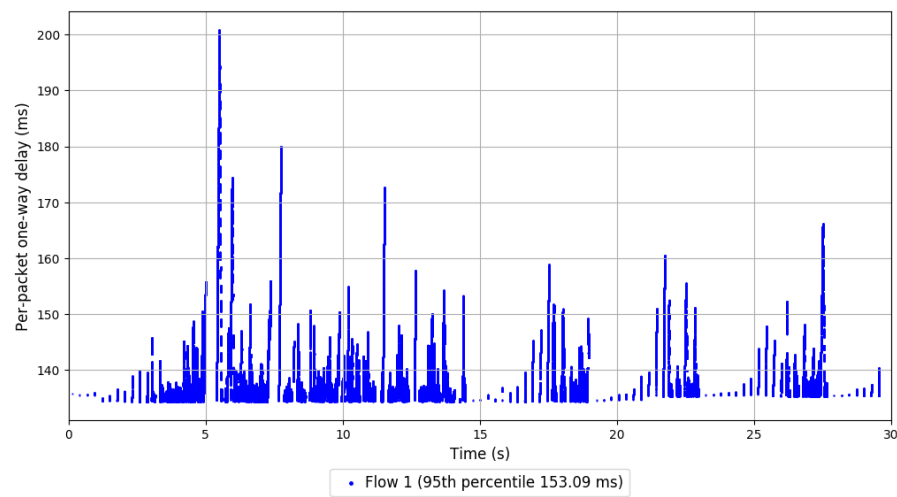
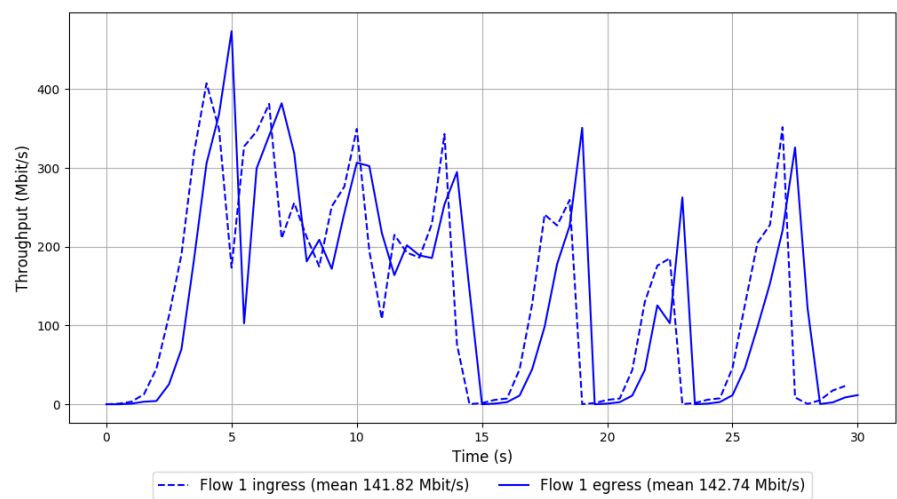
-- Flow 1:

Average throughput: 142.74 Mbit/s

95th percentile per-packet one-way delay: 153.094 ms

Loss rate: 0.28%

Run 6: Report of Verus — Data Link



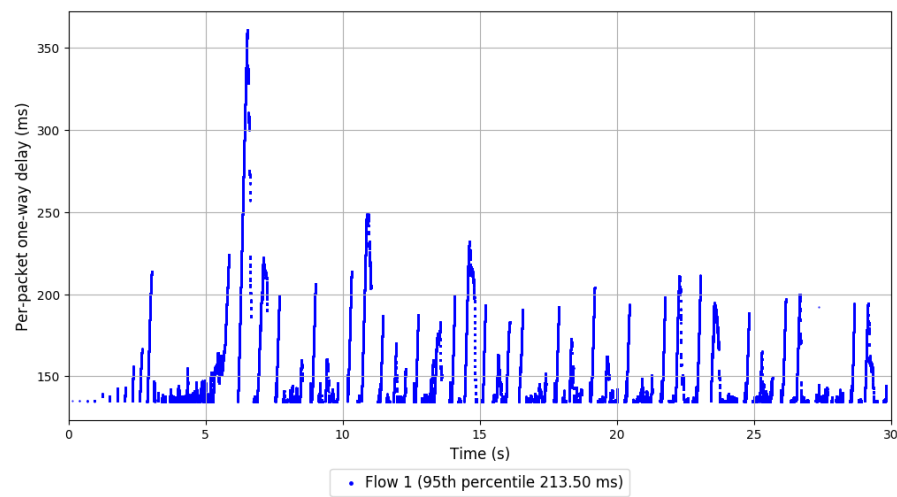
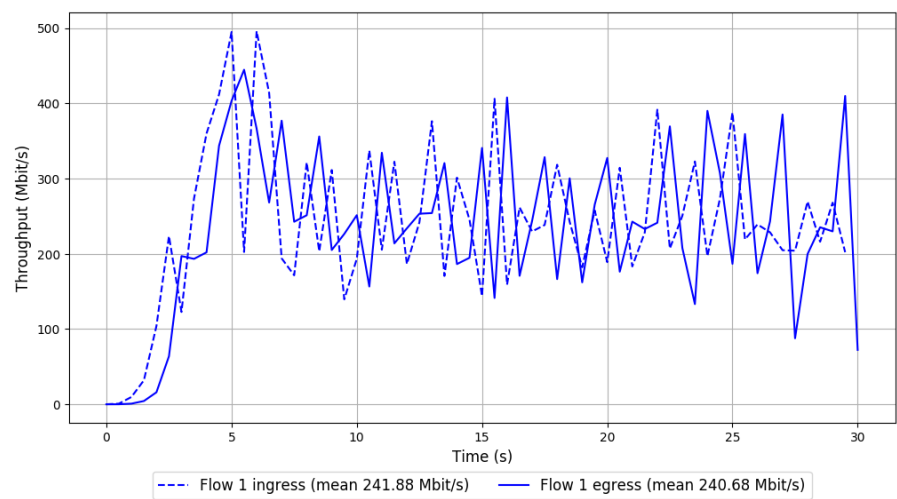
Run 7: Statistics of Verus

Start at: 2018-05-25 11:42:15  
End at: 2018-05-25 11:42:45  
Local clock offset: -0.107 ms  
Remote clock offset: -0.183 ms

# Below is generated by plot.py at 2018-05-25 14:09:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 240.68 Mbit/s  
95th percentile per-packet one-way delay: 213.500 ms  
Loss rate: 1.40%  
-- Flow 1:  
Average throughput: 240.68 Mbit/s  
95th percentile per-packet one-way delay: 213.500 ms  
Loss rate: 1.40%



Run 7: Report of Verus — Data Link

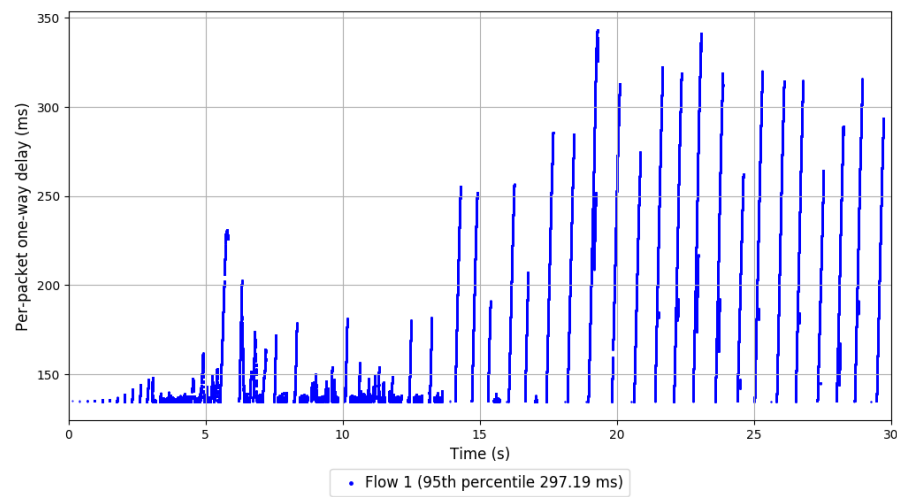
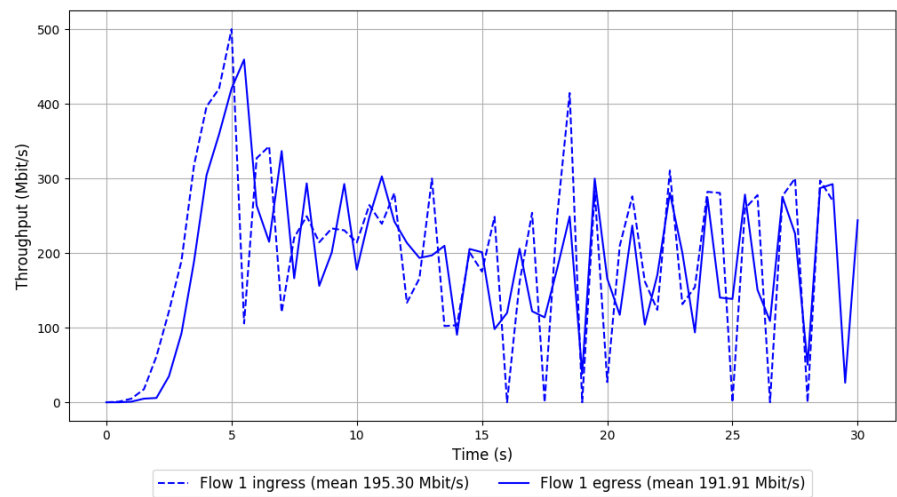


Run 8: Statistics of Verus

Start at: 2018-05-25 12:03:44  
End at: 2018-05-25 12:04:14  
Local clock offset: -0.141 ms  
Remote clock offset: -0.218 ms

# Below is generated by plot.py at 2018-05-25 14:09:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 191.91 Mbit/s  
95th percentile per-packet one-way delay: 297.195 ms  
Loss rate: 1.20%  
-- Flow 1:  
Average throughput: 191.91 Mbit/s  
95th percentile per-packet one-way delay: 297.195 ms  
Loss rate: 1.20%

Run 8: Report of Verus — Data Link

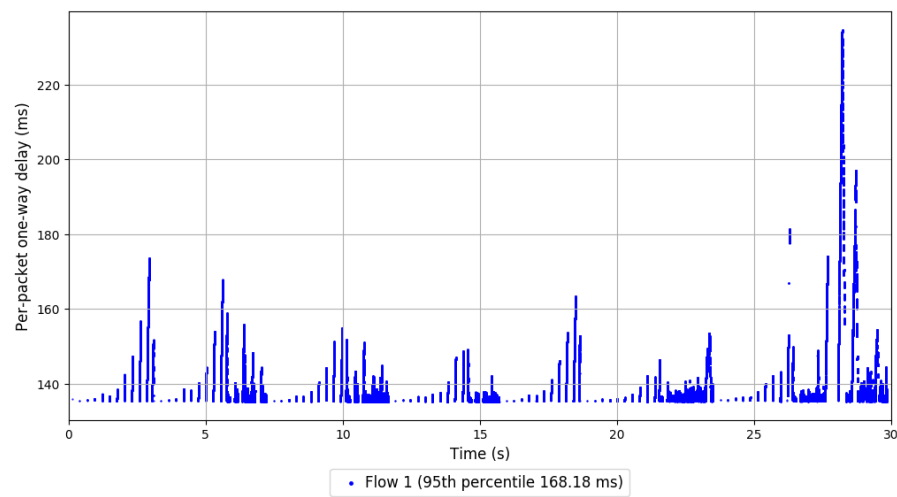
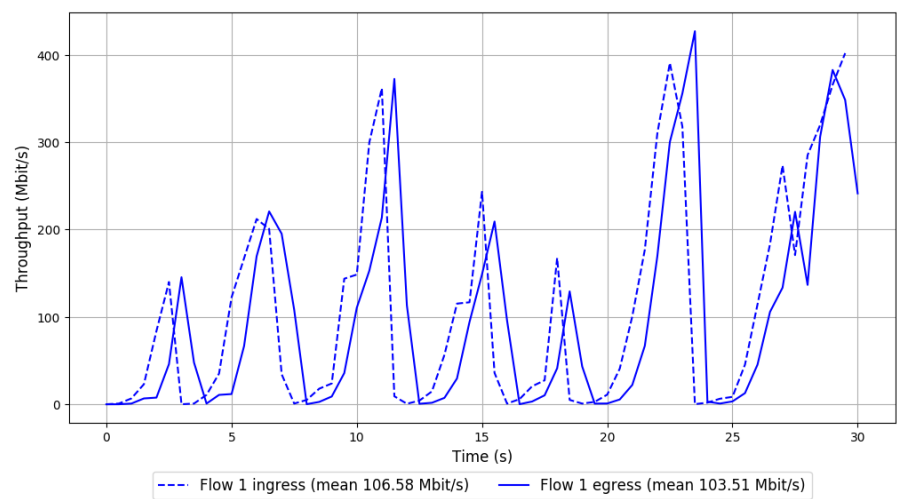


Run 9: Statistics of Verus

Start at: 2018-05-25 12:25:09  
End at: 2018-05-25 12:25:39  
Local clock offset: 0.522 ms  
Remote clock offset: -0.231 ms

# Below is generated by plot.py at 2018-05-25 14:09:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 103.51 Mbit/s  
95th percentile per-packet one-way delay: 168.183 ms  
Loss rate: 3.75%  
-- Flow 1:  
Average throughput: 103.51 Mbit/s  
95th percentile per-packet one-way delay: 168.183 ms  
Loss rate: 3.75%

Run 9: Report of Verus — Data Link

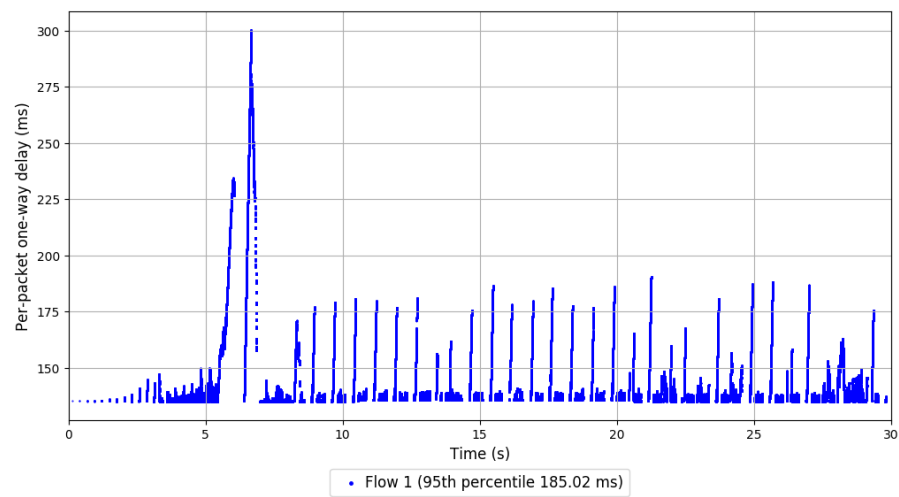
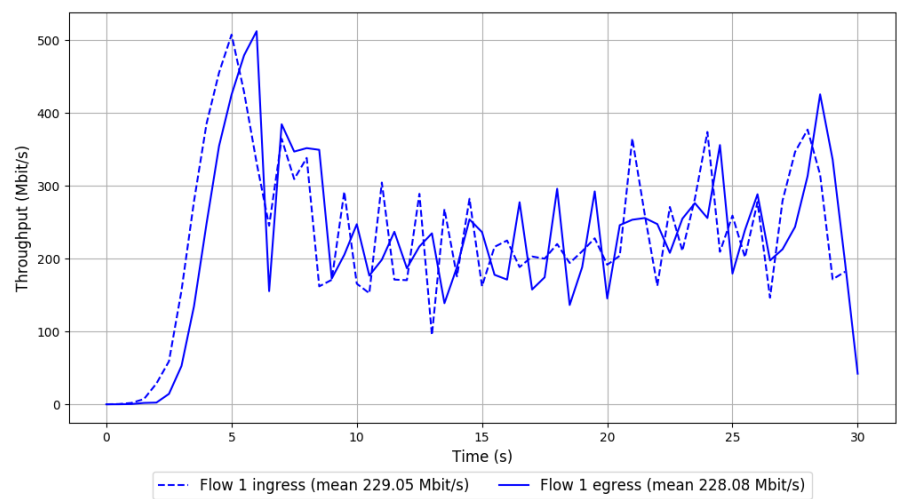


Run 10: Statistics of Verus

Start at: 2018-05-25 12:46:40  
End at: 2018-05-25 12:47:10  
Local clock offset: 0.086 ms  
Remote clock offset: -0.217 ms

# Below is generated by plot.py at 2018-05-25 14:10:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 228.08 Mbit/s  
95th percentile per-packet one-way delay: 185.023 ms  
Loss rate: 1.33%  
-- Flow 1:  
Average throughput: 228.08 Mbit/s  
95th percentile per-packet one-way delay: 185.023 ms  
Loss rate: 1.33%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-05-25 09:23:32

End at: 2018-05-25 09:24:02

Local clock offset: -0.172 ms

Remote clock offset: 0.123 ms

# Below is generated by plot.py at 2018-05-25 14:11:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 258.14 Mbit/s

95th percentile per-packet one-way delay: 152.684 ms

Loss rate: 1.79%

-- Flow 1:

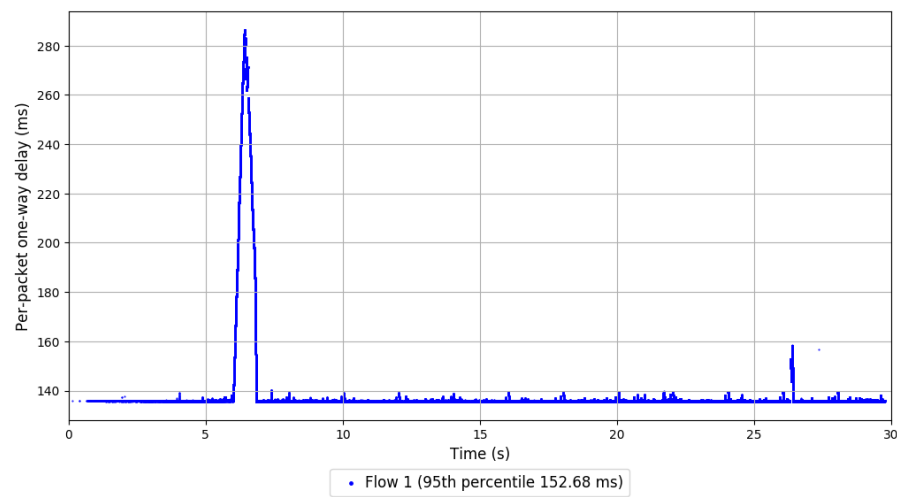
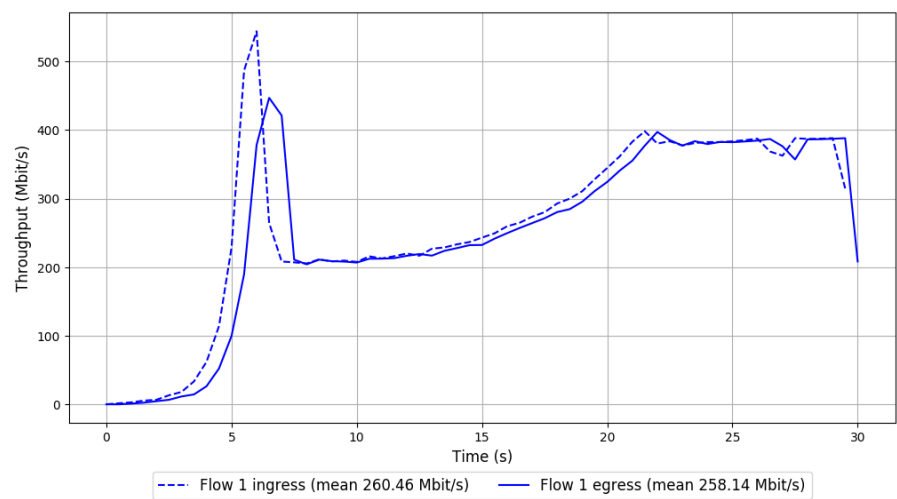
Average throughput: 258.14 Mbit/s

95th percentile per-packet one-way delay: 152.684 ms

Loss rate: 1.79%



Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-05-25 09:44:50

End at: 2018-05-25 09:45:20

Local clock offset: -0.302 ms

Remote clock offset: 0.164 ms

# Below is generated by plot.py at 2018-05-25 14:13:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 324.77 Mbit/s

95th percentile per-packet one-way delay: 147.825 ms

Loss rate: 1.51%

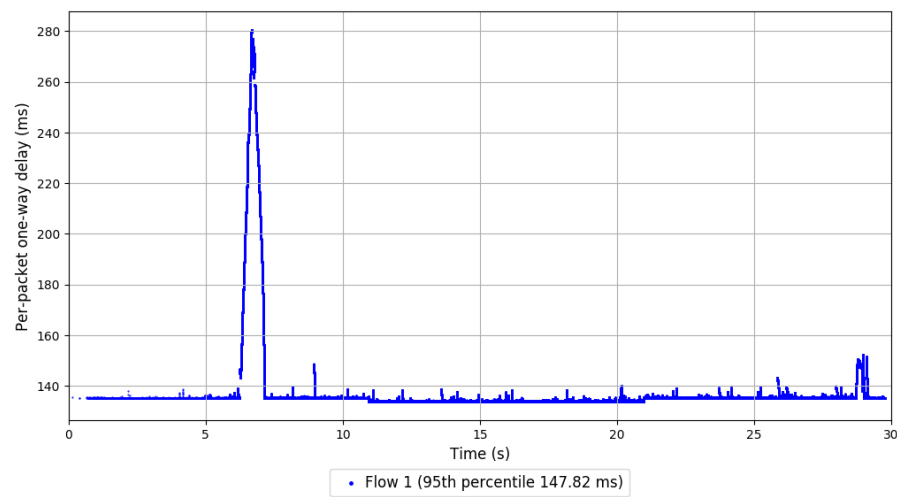
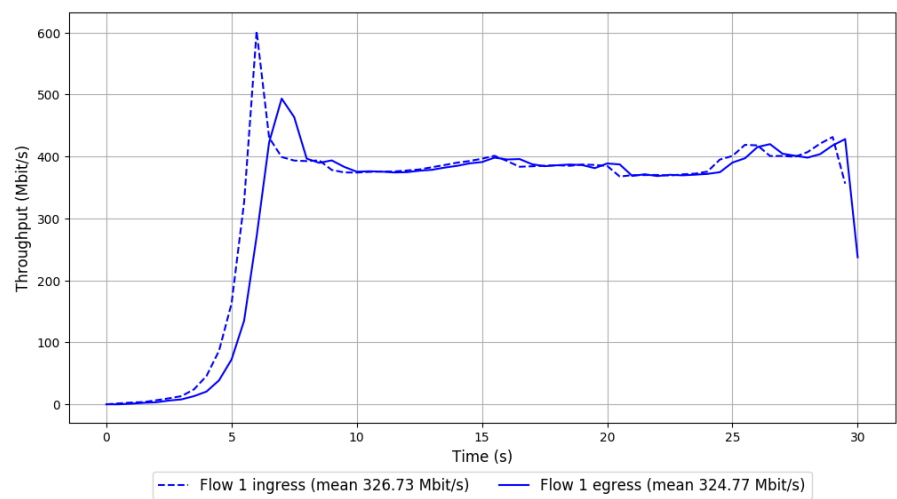
-- Flow 1:

Average throughput: 324.77 Mbit/s

95th percentile per-packet one-way delay: 147.825 ms

Loss rate: 1.51%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-05-25 10:05:56

End at: 2018-05-25 10:06:26

Local clock offset: -0.324 ms

Remote clock offset: 0.2 ms

# Below is generated by plot.py at 2018-05-25 14:14:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 366.81 Mbit/s

95th percentile per-packet one-way delay: 139.530 ms

Loss rate: 1.62%

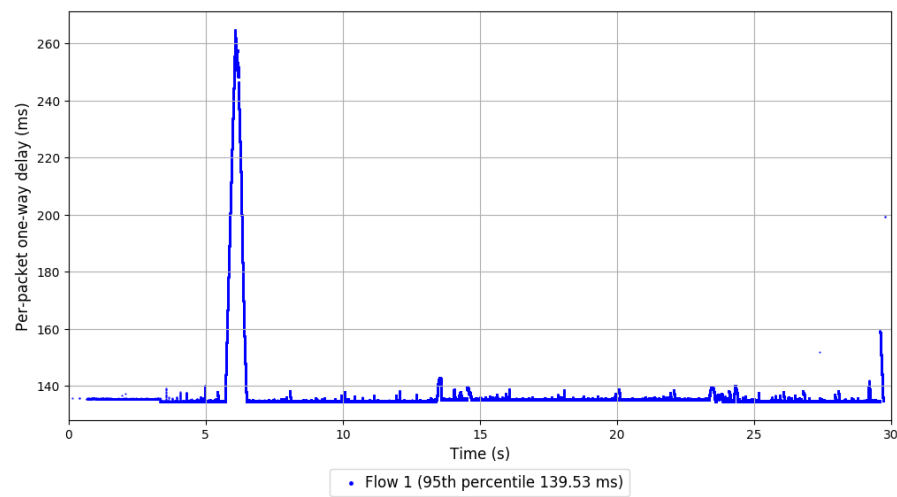
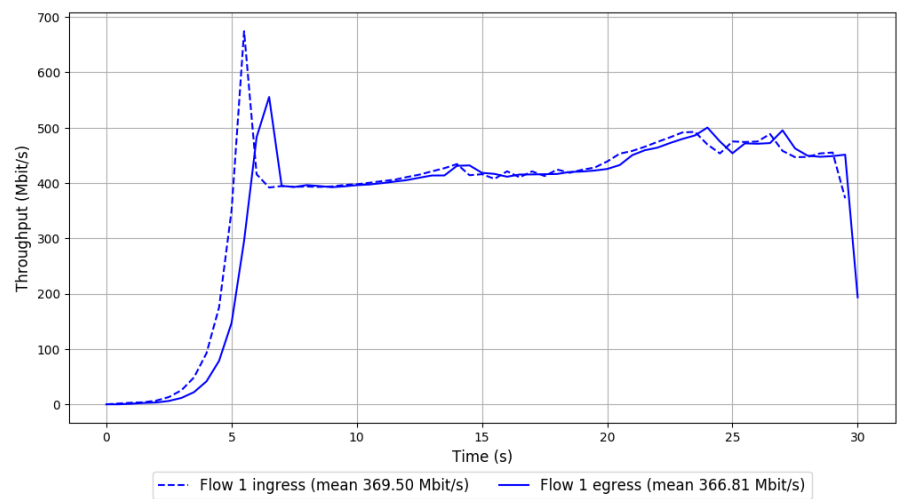
-- Flow 1:

Average throughput: 366.81 Mbit/s

95th percentile per-packet one-way delay: 139.530 ms

Loss rate: 1.62%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-05-25 10:27:25

End at: 2018-05-25 10:27:55

Local clock offset: 0.082 ms

Remote clock offset: -0.564 ms

# Below is generated by plot.py at 2018-05-25 14:14:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 333.90 Mbit/s

95th percentile per-packet one-way delay: 139.086 ms

Loss rate: 1.10%

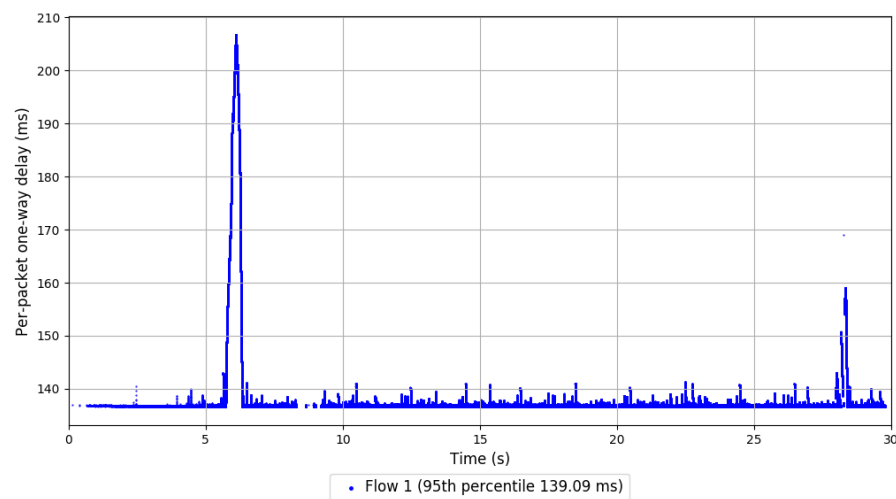
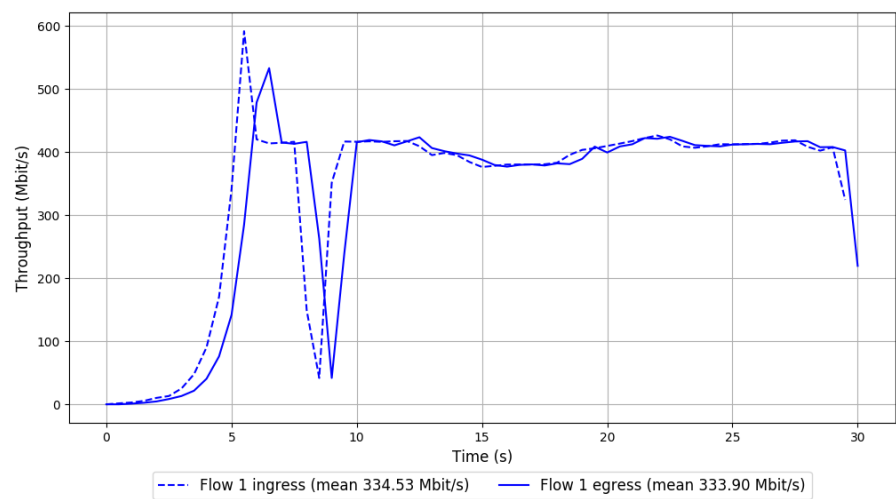
-- Flow 1:

Average throughput: 333.90 Mbit/s

95th percentile per-packet one-way delay: 139.086 ms

Loss rate: 1.10%

Run 4: Report of PCC-Vivace — Data Link



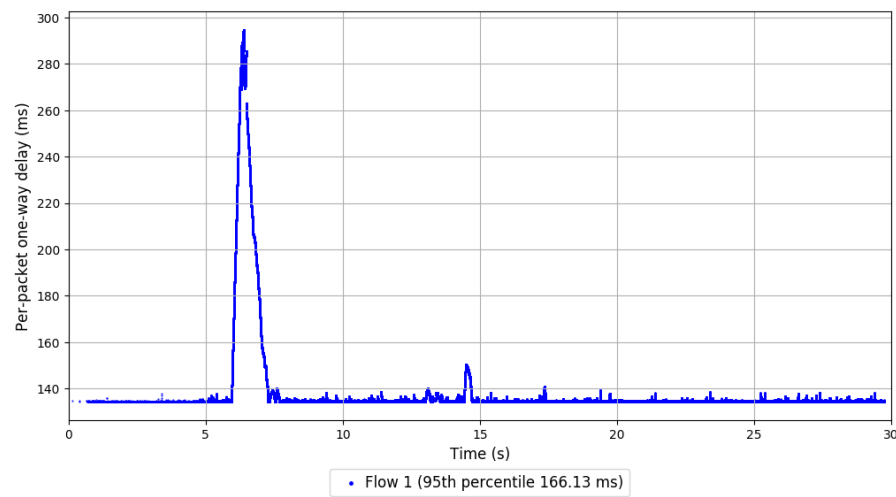
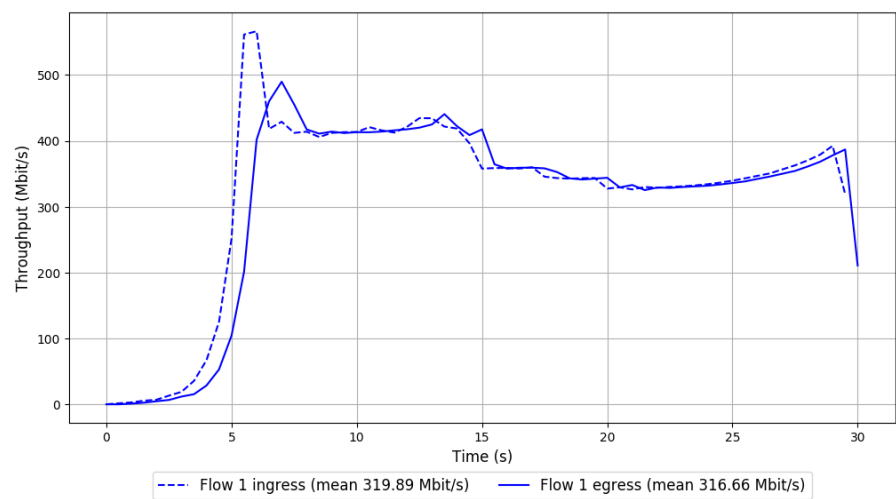
Run 5: Statistics of PCC-Vivace

Start at: 2018-05-25 10:48:28  
End at: 2018-05-25 10:48:59  
Local clock offset: -0.141 ms  
Remote clock offset: -0.225 ms

# Below is generated by plot.py at 2018-05-25 14:14:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 316.66 Mbit/s  
95th percentile per-packet one-way delay: 166.131 ms  
Loss rate: 1.91%  
-- Flow 1:  
Average throughput: 316.66 Mbit/s  
95th percentile per-packet one-way delay: 166.131 ms  
Loss rate: 1.91%



Run 5: Report of PCC-Vivace — Data Link

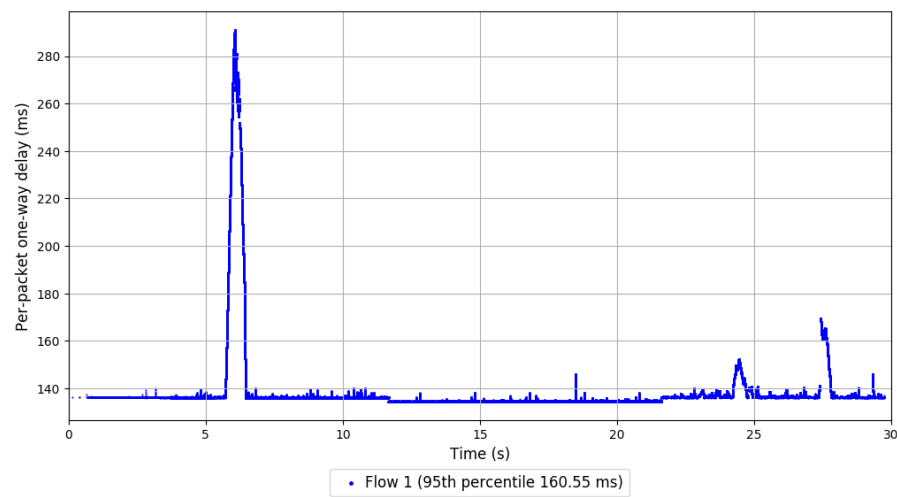
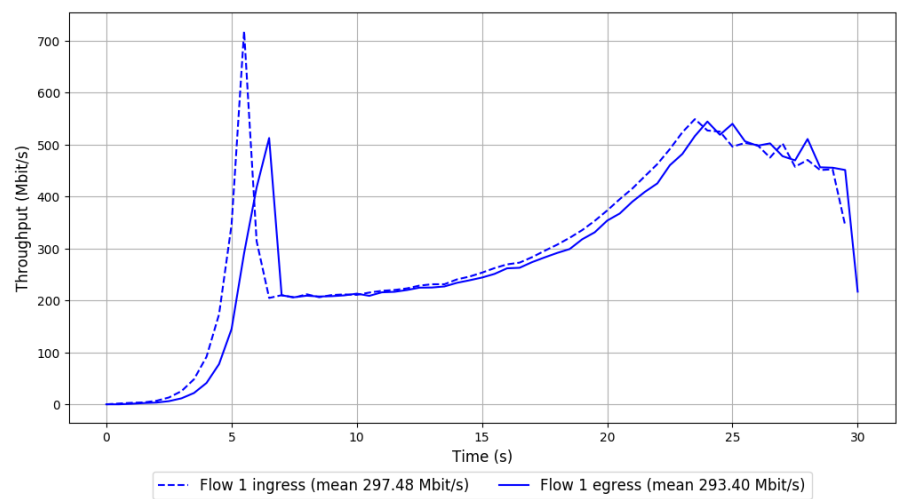


Run 6: Statistics of PCC-Vivace

Start at: 2018-05-25 11:09:19  
End at: 2018-05-25 11:09:49  
Local clock offset: 0.065 ms  
Remote clock offset: -0.176 ms

# Below is generated by plot.py at 2018-05-25 14:14:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 293.40 Mbit/s  
95th percentile per-packet one-way delay: 160.549 ms  
Loss rate: 2.27%  
-- Flow 1:  
Average throughput: 293.40 Mbit/s  
95th percentile per-packet one-way delay: 160.549 ms  
Loss rate: 2.27%

Run 6: Report of PCC-Vivace — Data Link

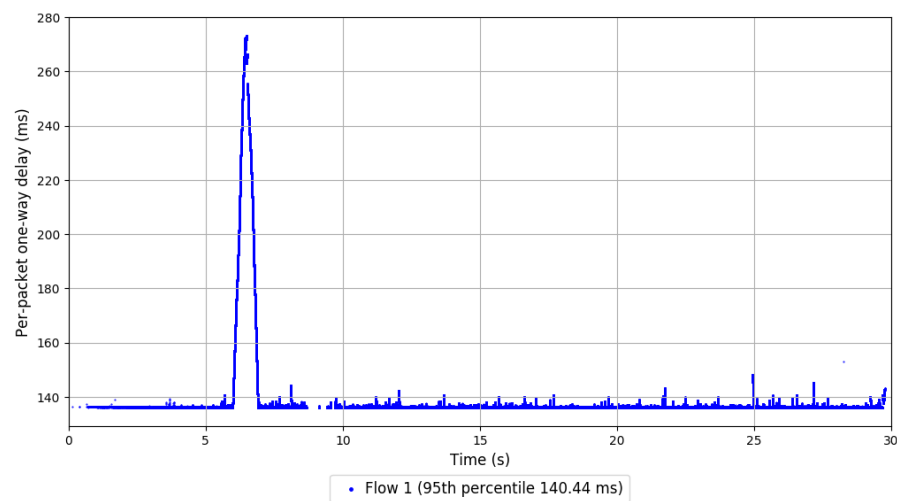
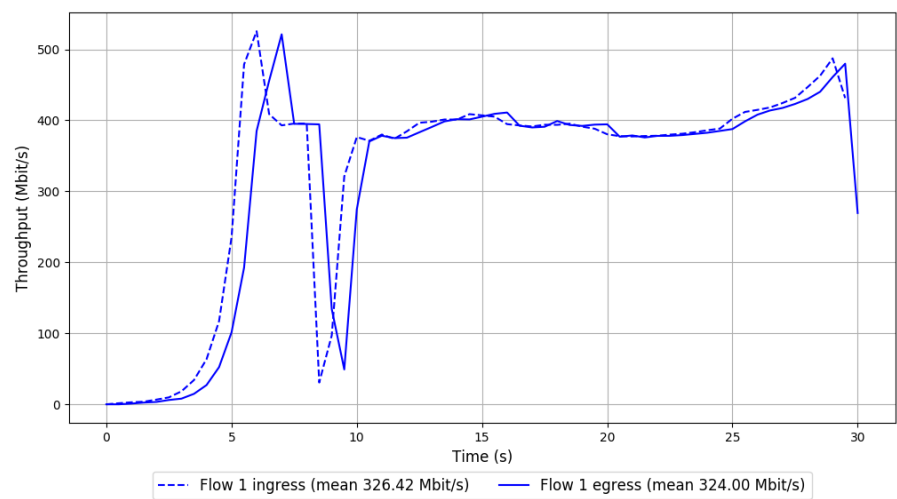


Run 7: Statistics of PCC-Vivace

Start at: 2018-05-25 11:30:46  
End at: 2018-05-25 11:31:16  
Local clock offset: 0.348 ms  
Remote clock offset: -0.219 ms

# Below is generated by plot.py at 2018-05-25 14:15:01  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 324.00 Mbit/s  
95th percentile per-packet one-way delay: 140.437 ms  
Loss rate: 1.65%  
-- Flow 1:  
Average throughput: 324.00 Mbit/s  
95th percentile per-packet one-way delay: 140.437 ms  
Loss rate: 1.65%

Run 7: Report of PCC-Vivace — Data Link

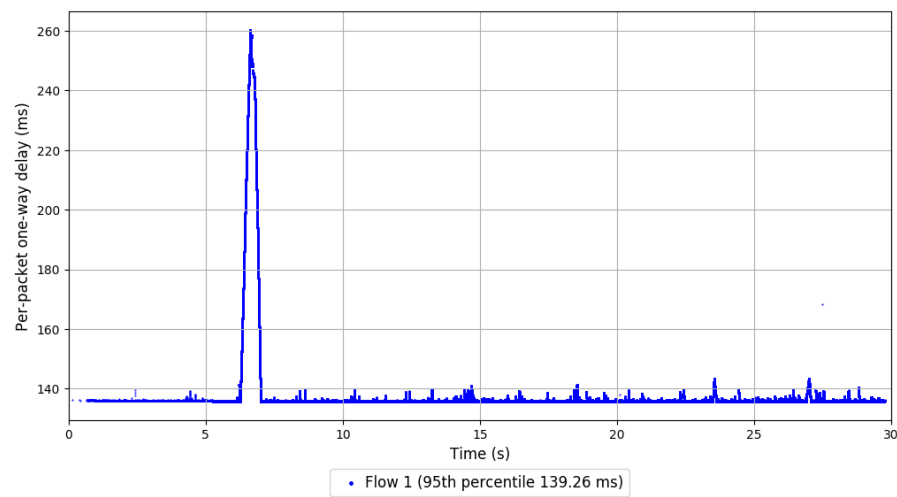
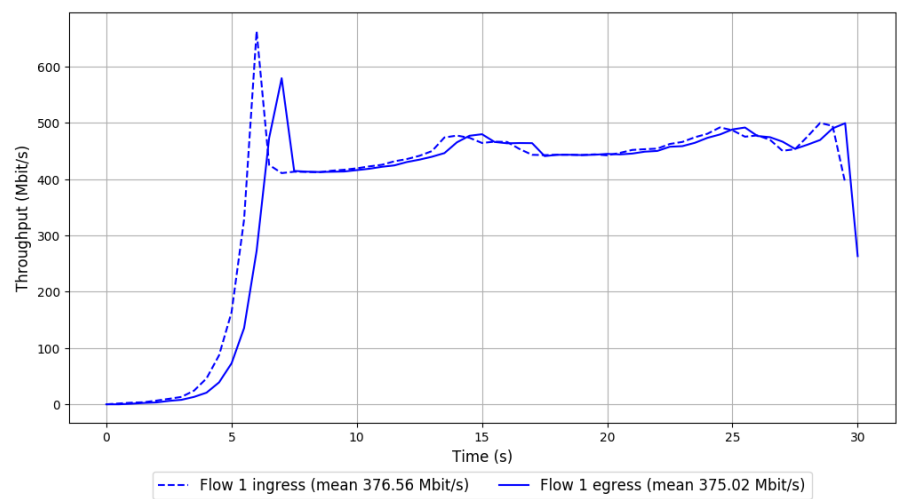


Run 8: Statistics of PCC-Vivace

Start at: 2018-05-25 11:52:25  
End at: 2018-05-25 11:52:55  
Local clock offset: -0.153 ms  
Remote clock offset: -0.583 ms

# Below is generated by plot.py at 2018-05-25 14:15:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 375.02 Mbit/s  
95th percentile per-packet one-way delay: 139.264 ms  
Loss rate: 1.32%  
-- Flow 1:  
Average throughput: 375.02 Mbit/s  
95th percentile per-packet one-way delay: 139.264 ms  
Loss rate: 1.32%

Run 8: Report of PCC-Vivace — Data Link



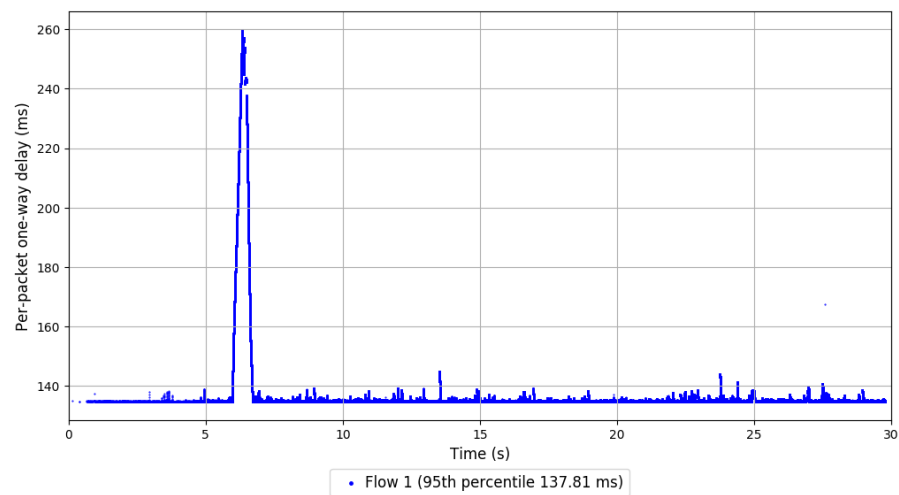
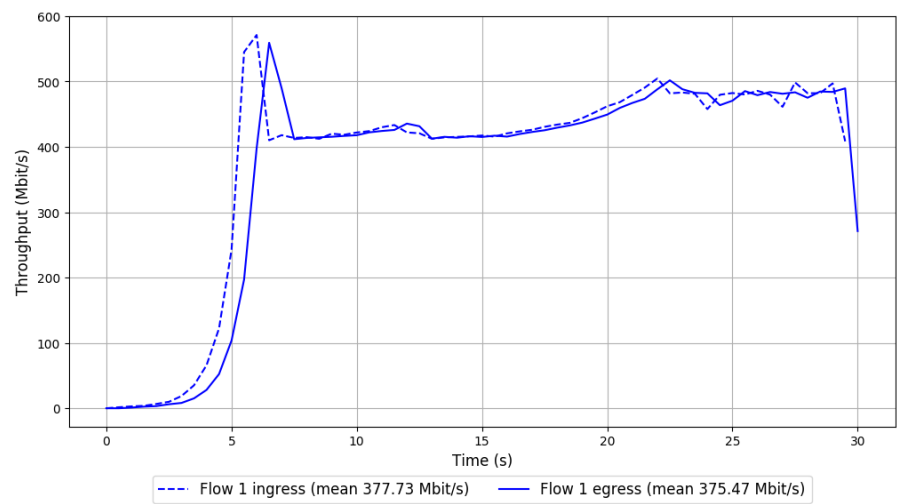
Run 9: Statistics of PCC-Vivace

Start at: 2018-05-25 12:13:49  
End at: 2018-05-25 12:14:19  
Local clock offset: 0.008 ms  
Remote clock offset: -0.246 ms

# Below is generated by plot.py at 2018-05-25 14:15:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 375.47 Mbit/s  
95th percentile per-packet one-way delay: 137.815 ms  
Loss rate: 1.50%  
-- Flow 1:  
Average throughput: 375.47 Mbit/s  
95th percentile per-packet one-way delay: 137.815 ms  
Loss rate: 1.50%



Run 9: Report of PCC-Vivace — Data Link

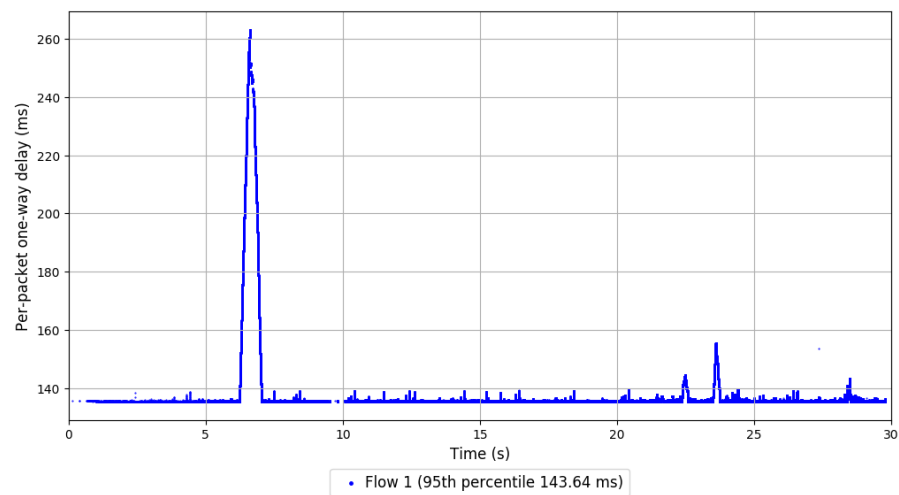
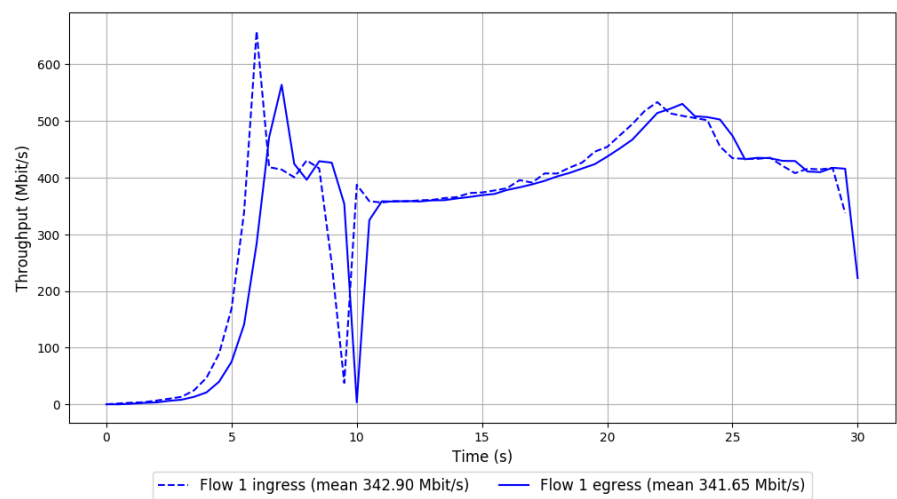


Run 10: Statistics of PCC-Vivace

Start at: 2018-05-25 12:35:11  
End at: 2018-05-25 12:35:41  
Local clock offset: 0.264 ms  
Remote clock offset: -0.645 ms

# Below is generated by plot.py at 2018-05-25 14:15:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 341.65 Mbit/s  
95th percentile per-packet one-way delay: 143.640 ms  
Loss rate: 1.27%  
-- Flow 1:  
Average throughput: 341.65 Mbit/s  
95th percentile per-packet one-way delay: 143.640 ms  
Loss rate: 1.27%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

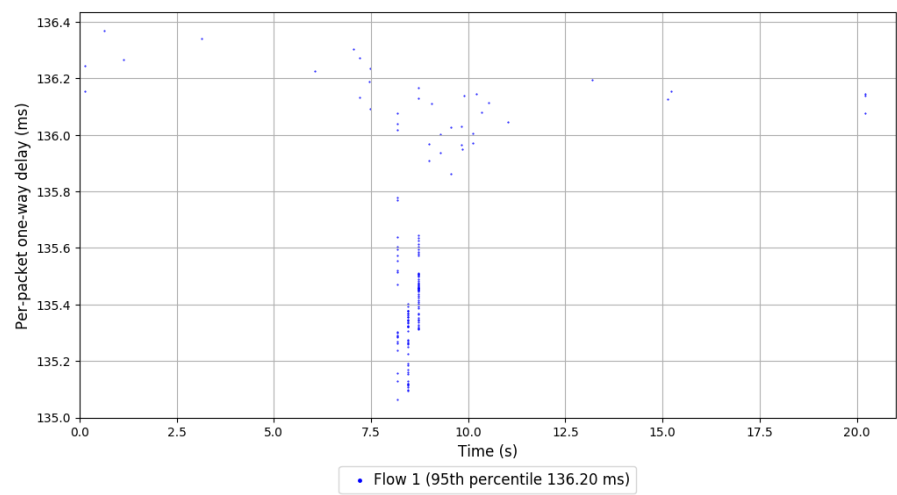
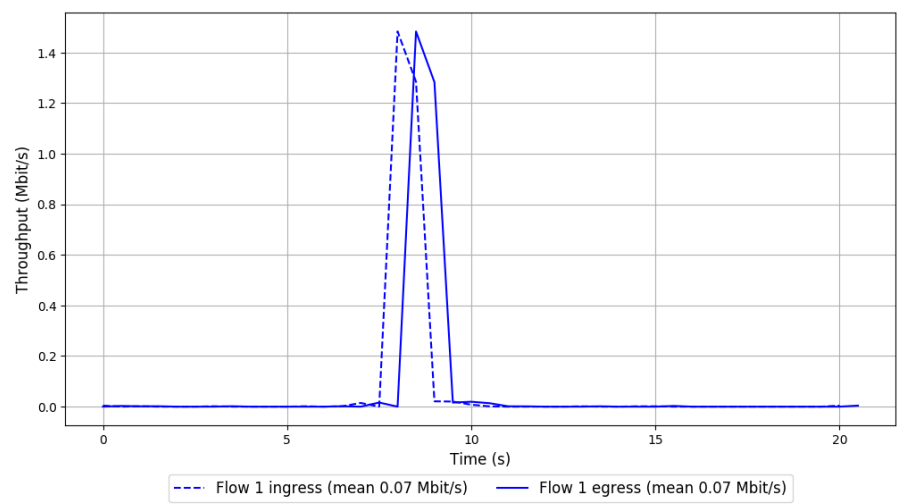
Start at: 2018-05-25 09:22:24

End at: 2018-05-25 09:22:54

Local clock offset: -0.098 ms

Remote clock offset: -0.577 ms

Run 1: Report of WebRTC media — Data Link

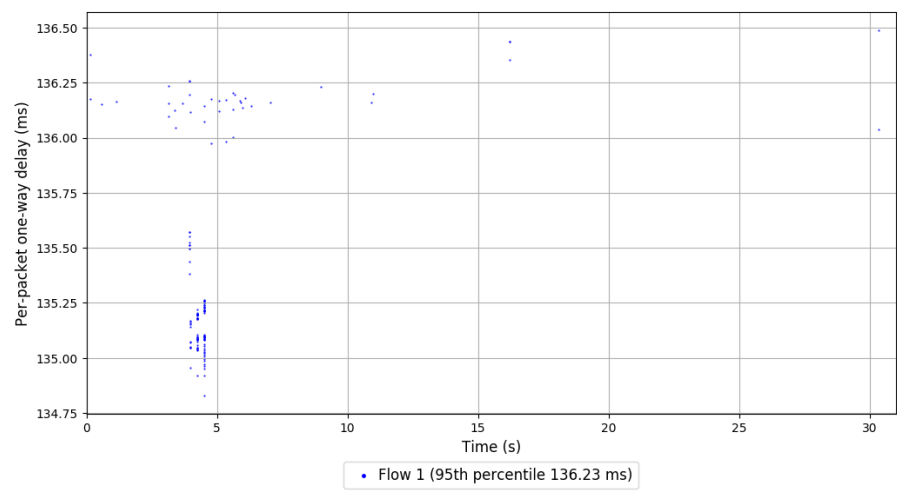
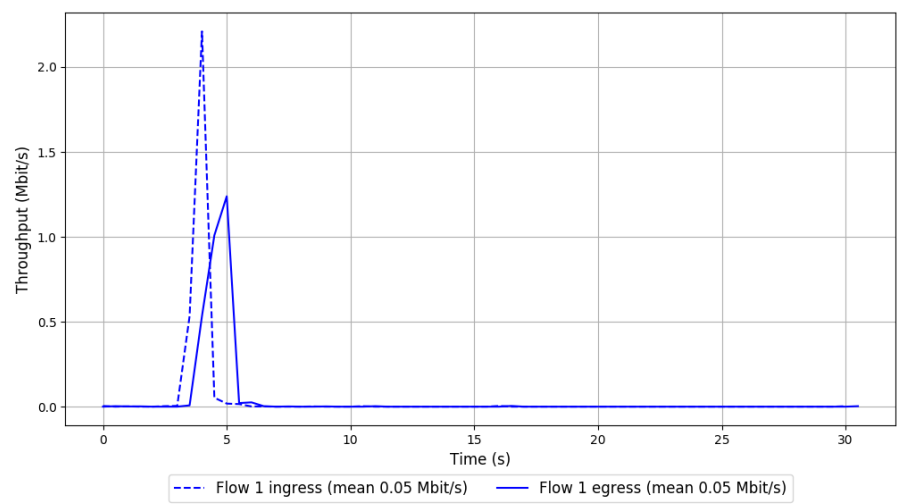


Run 2: Statistics of WebRTC media

Start at: 2018-05-25 09:43:42  
End at: 2018-05-25 09:44:12  
Local clock offset: -0.069 ms  
Remote clock offset: -0.258 ms

# Below is generated by plot.py at 2018-05-25 14:15:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 136.230 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 136.230 ms  
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



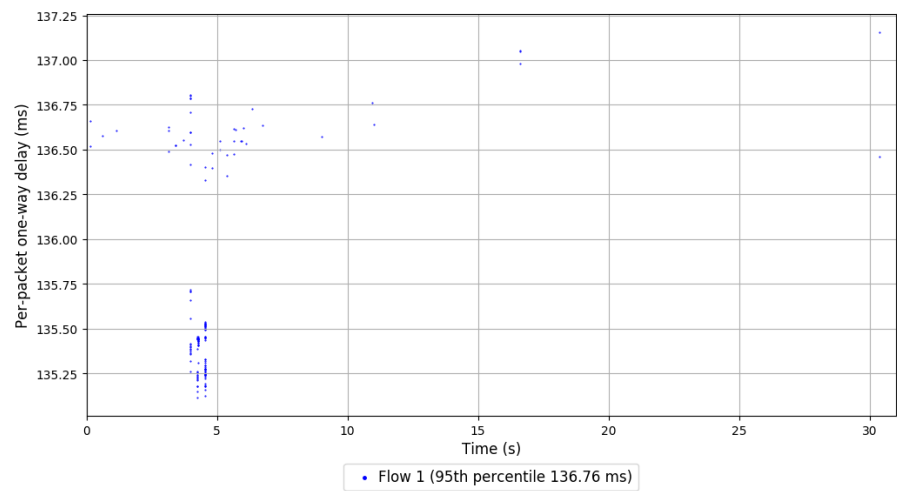
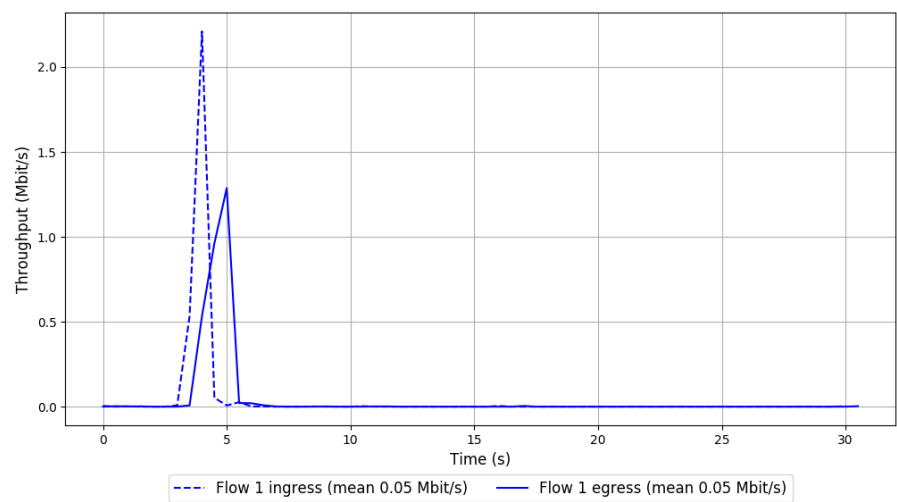
Run 3: Statistics of WebRTC media

Start at: 2018-05-25 10:04:48  
End at: 2018-05-25 10:05:18  
Local clock offset: -0.182 ms  
Remote clock offset: -0.533 ms

# Below is generated by plot.py at 2018-05-25 14:15:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 136.760 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 136.760 ms  
Loss rate: 0.00%



Run 3: Report of WebRTC media — Data Link

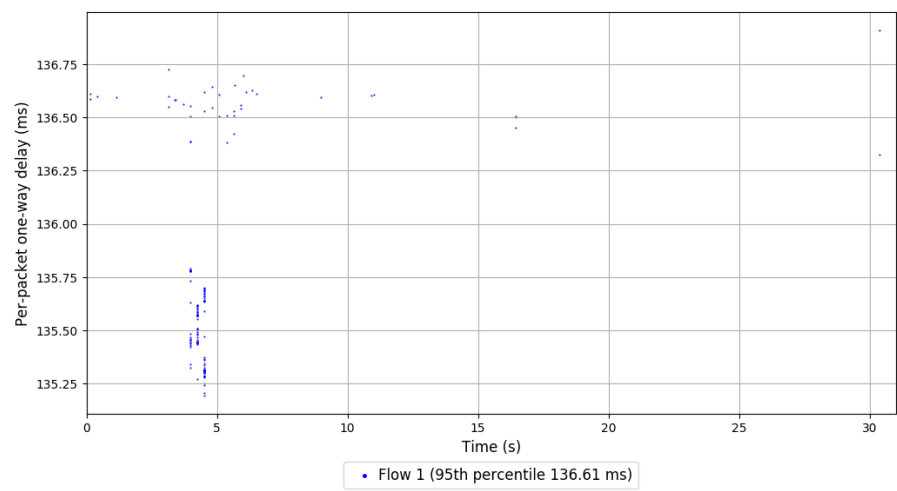
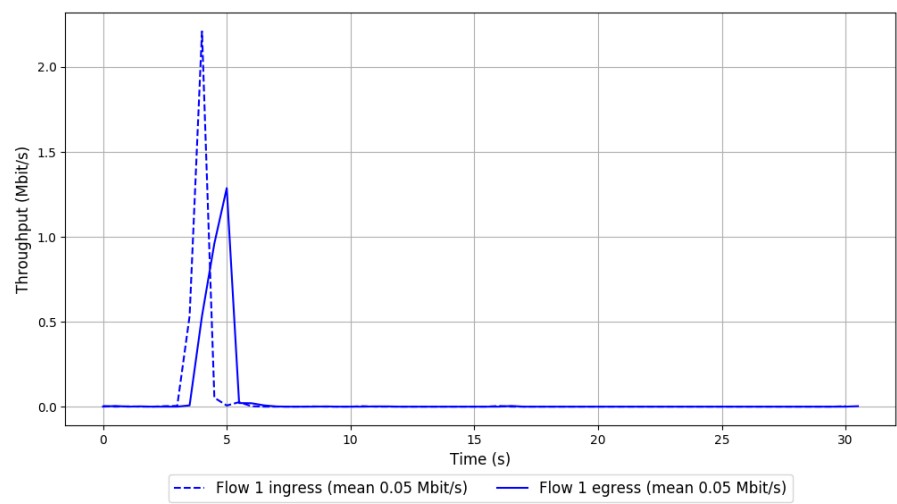


Run 4: Statistics of WebRTC media

Start at: 2018-05-25 10:26:17  
End at: 2018-05-25 10:26:47  
Local clock offset: 0.167 ms  
Remote clock offset: -0.217 ms

# Below is generated by plot.py at 2018-05-25 14:15:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 136.612 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 136.612 ms  
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

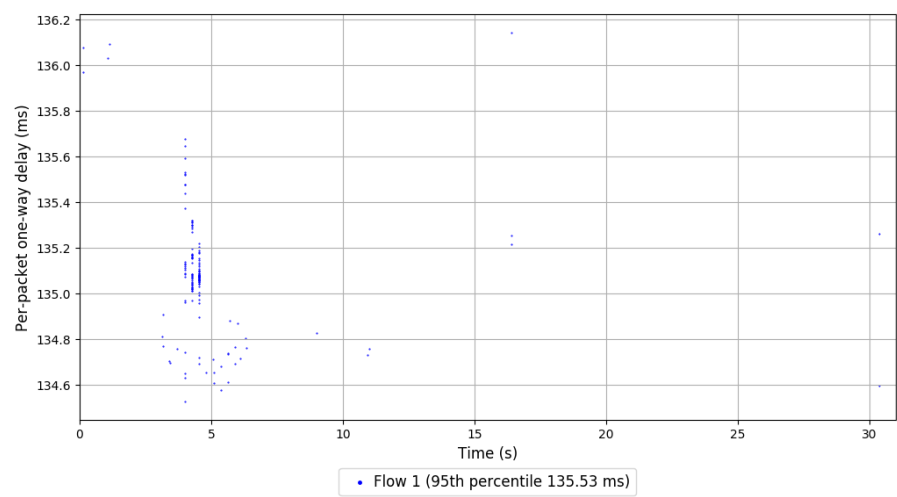
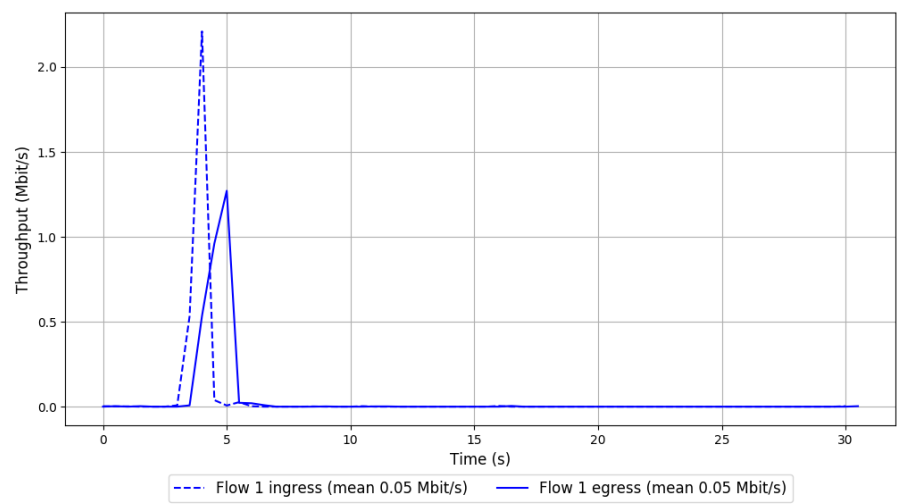


Run 5: Statistics of WebRTC media

Start at: 2018-05-25 10:47:20  
End at: 2018-05-25 10:47:50  
Local clock offset: -0.406 ms  
Remote clock offset: -0.613 ms

# Below is generated by plot.py at 2018-05-25 14:15:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 135.531 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 135.531 ms  
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

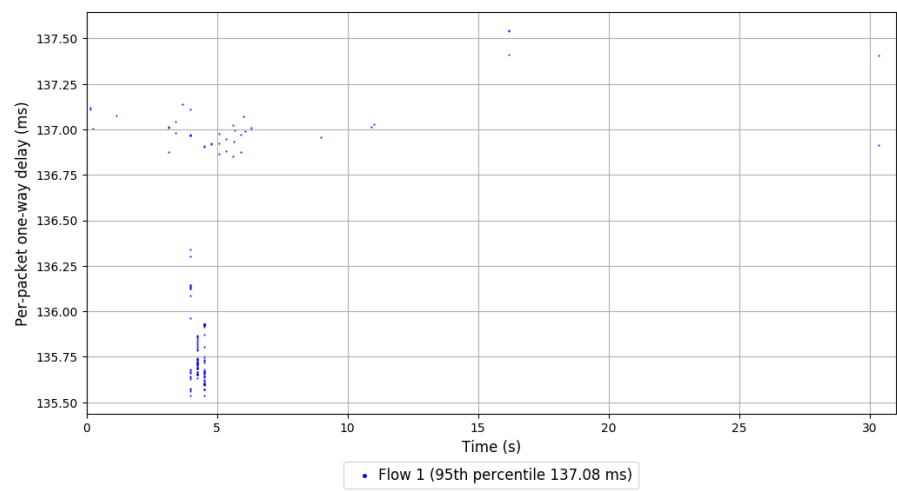
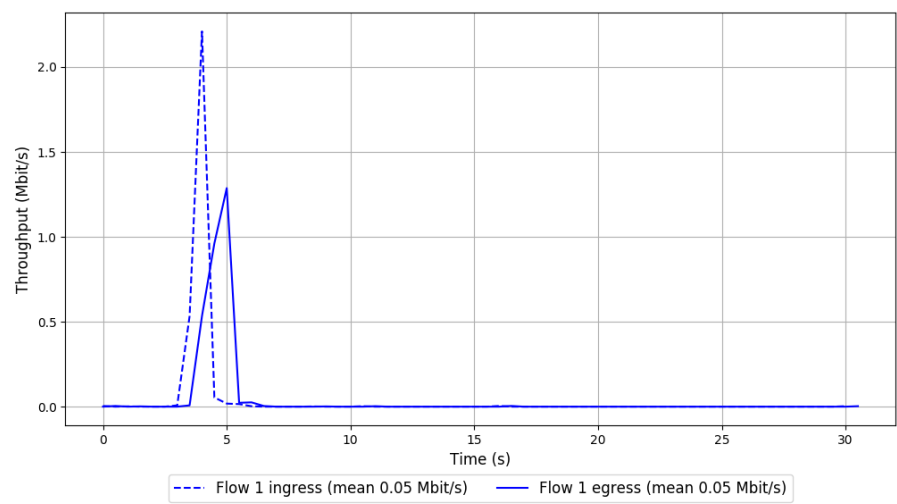


Run 6: Statistics of WebRTC media

Start at: 2018-05-25 11:08:11  
End at: 2018-05-25 11:08:41  
Local clock offset: 0.335 ms  
Remote clock offset: -0.577 ms

# Below is generated by plot.py at 2018-05-25 14:15:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 137.078 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 137.078 ms  
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



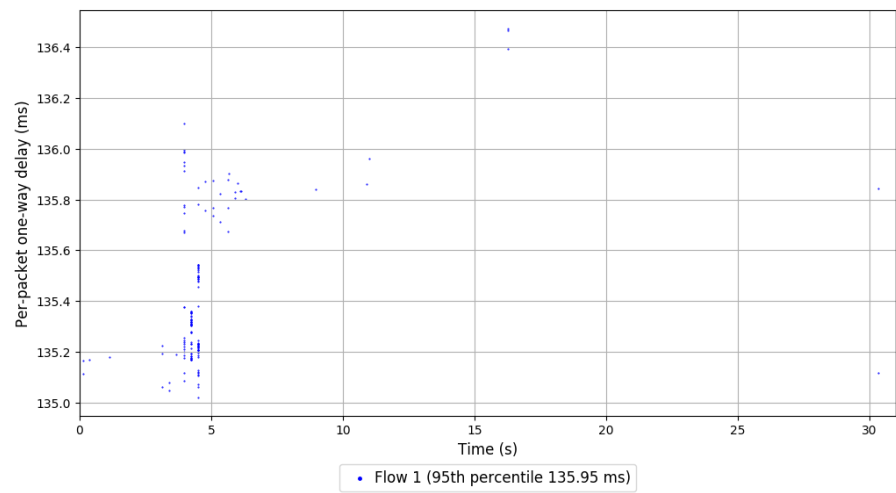
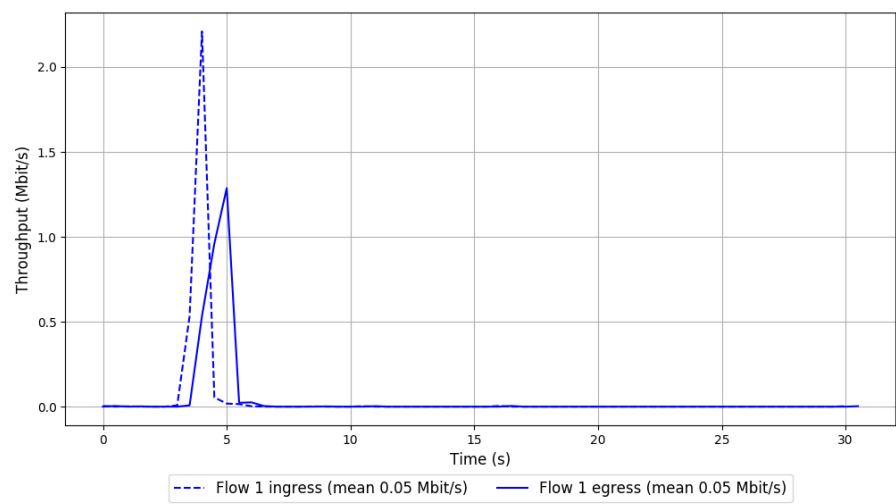
Run 7: Statistics of WebRTC media

Start at: 2018-05-25 11:29:38  
End at: 2018-05-25 11:30:08  
Local clock offset: 0.152 ms  
Remote clock offset: -0.202 ms

# Below is generated by plot.py at 2018-05-25 14:15:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 135.947 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 135.947 ms  
Loss rate: 0.00%



Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-05-25 11:51:17

End at: 2018-05-25 11:51:47

Local clock offset: 0.376 ms

Remote clock offset: 0.182 ms

# Below is generated by plot.py at 2018-05-25 14:15:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 136.041 ms

Loss rate: 0.00%

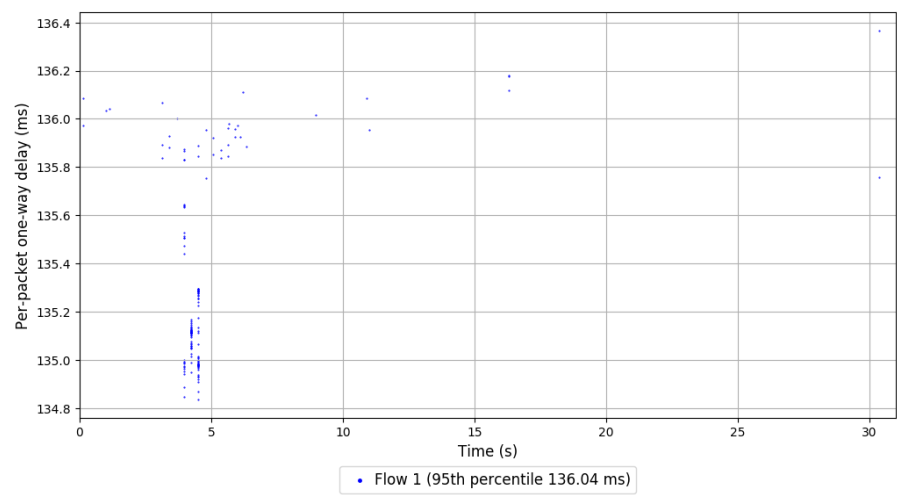
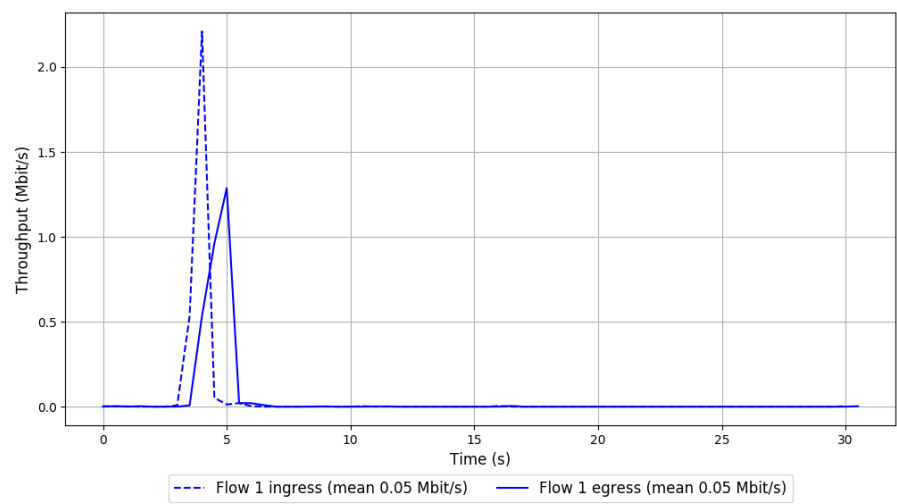
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 136.041 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

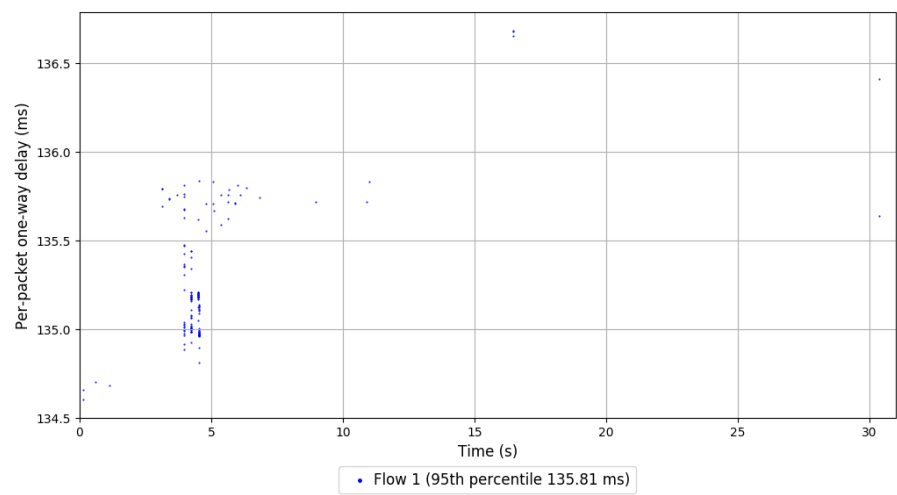
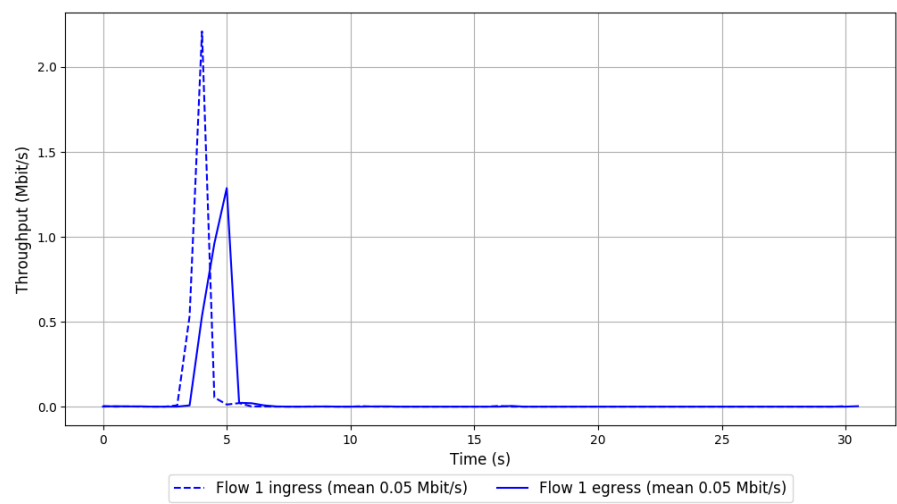


Run 9: Statistics of WebRTC media

Start at: 2018-05-25 12:12:41  
End at: 2018-05-25 12:13:11  
Local clock offset: 0.087 ms  
Remote clock offset: -0.203 ms

# Below is generated by plot.py at 2018-05-25 14:15:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 135.811 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 135.811 ms  
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-25 12:34:03

End at: 2018-05-25 12:34:33

Local clock offset: 0.141 ms

Remote clock offset: -0.238 ms

# Below is generated by plot.py at 2018-05-25 14:15:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 135.846 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 135.846 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

