

## Pantheon Report

Generated at 2018-07-10 16:09:03 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

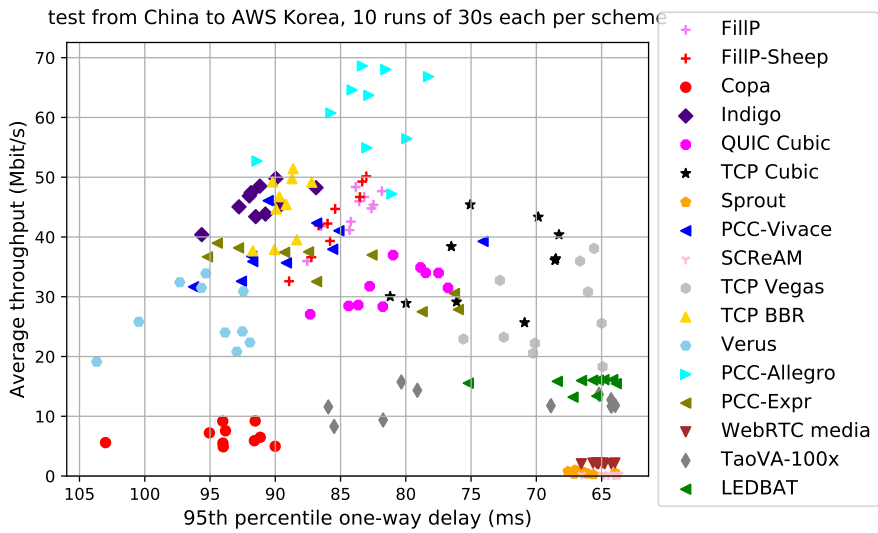
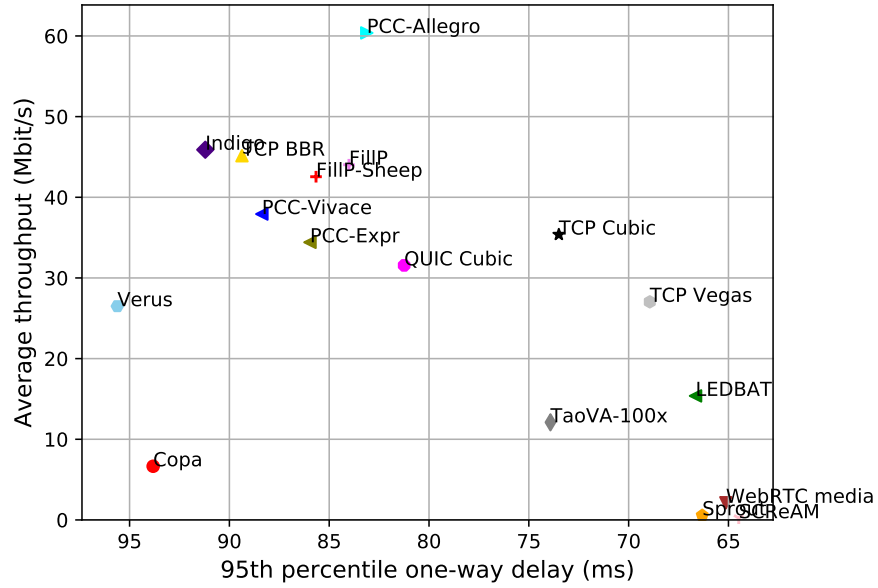
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

Git summary:

```
branch: master @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
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
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from China to AWS Korea, 10 runs of 30s each per scheme  
(mean of all runs by scheme)



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	45.16	89.37	9.79
Copa	10	6.65	93.82	27.06
TCP Cubic	10	35.38	73.50	0.82
FillP	10	44.04	84.01	25.54
FillP-Sheep	10	42.55	85.66	36.28
Indigo	10	45.89	91.21	18.31
LEDBAT	10	15.38	66.65	0.99
PCC-Allegro	10	60.38	83.12	3.80
PCC-Expr	10	34.42	85.96	5.69
QUIC Cubic	10	31.56	81.25	3.78
SCReAM	10	0.22	64.49	0.50
Sprout	10	0.58	66.31	0.49
TaoVA-100x	10	12.10	73.92	2.56
TCP Vegas	10	27.04	68.94	0.77
Verus	10	26.50	95.61	25.86
PCC-Vivace	10	37.92	88.37	4.17
WebRTC media	10	2.12	65.13	0.63

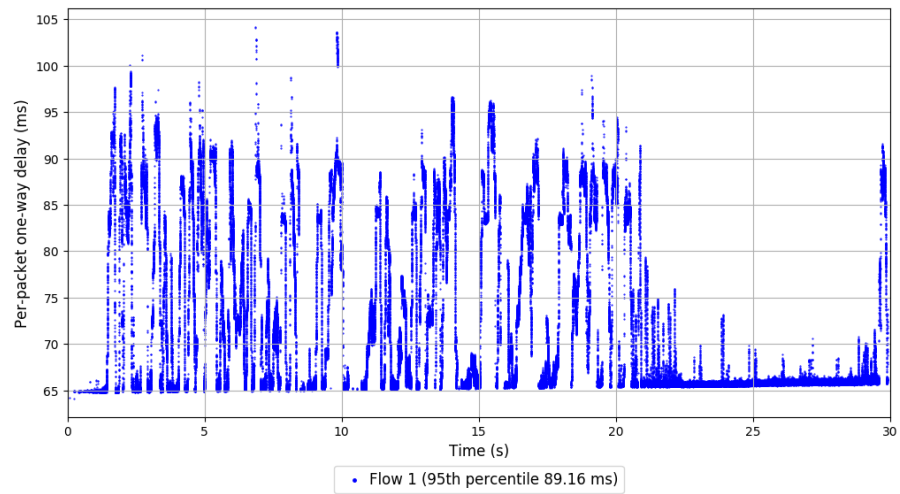
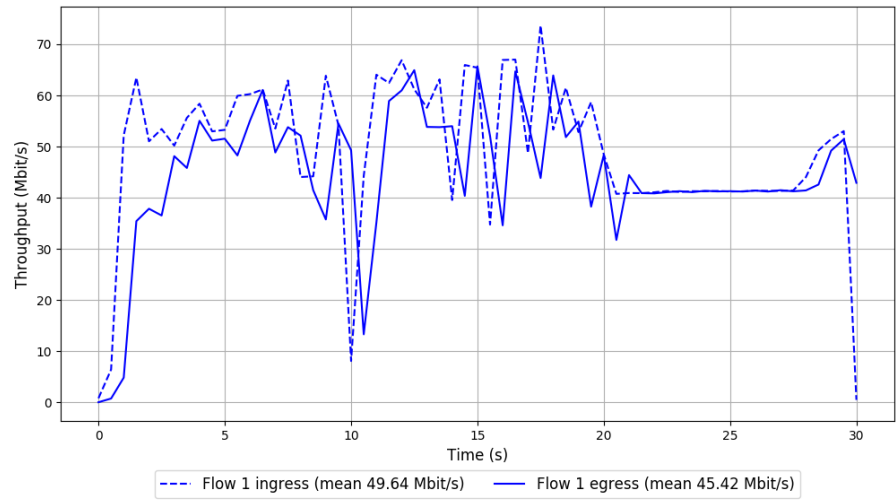
Run 1: Statistics of TCP BBR

Start at: 2018-07-10 12:36:12  
End at: 2018-07-10 12:36:42  
Local clock offset: -0.973 ms  
Remote clock offset: 21.338 ms

# Below is generated by plot.py at 2018-07-10 16:00:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 45.42 Mbit/s  
95th percentile per-packet one-way delay: 89.164 ms  
Loss rate: 8.98%  
-- Flow 1:  
Average throughput: 45.42 Mbit/s  
95th percentile per-packet one-way delay: 89.164 ms  
Loss rate: 8.98%



# Run 1: Report of TCP BBR — Data Link

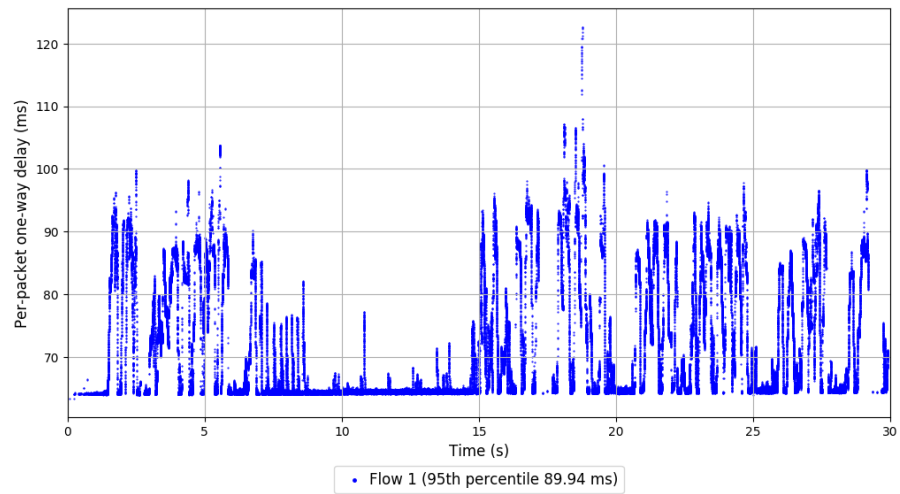
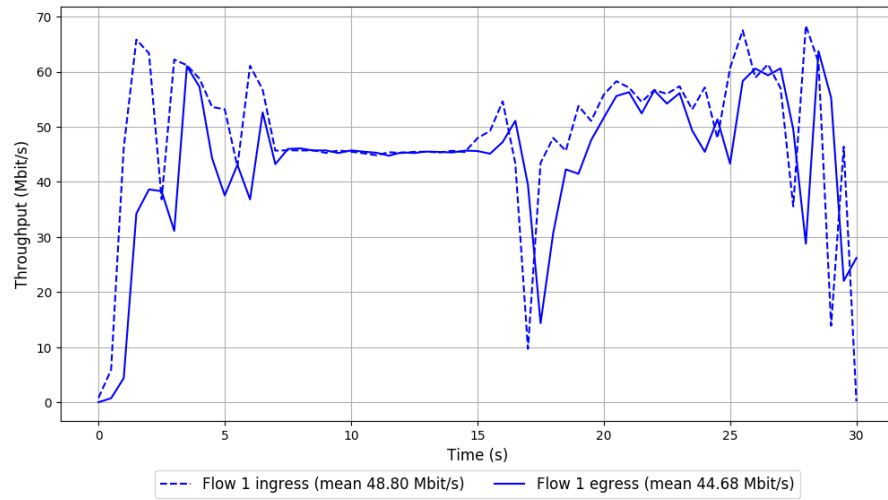


Run 2: Statistics of TCP BBR

Start at: 2018-07-10 12:58:29  
End at: 2018-07-10 12:58:59  
Local clock offset: -1.014 ms  
Remote clock offset: 45.321 ms

# Below is generated by plot.py at 2018-07-10 16:00:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 44.68 Mbit/s  
95th percentile per-packet one-way delay: 89.935 ms  
Loss rate: 8.90%  
-- Flow 1:  
Average throughput: 44.68 Mbit/s  
95th percentile per-packet one-way delay: 89.935 ms  
Loss rate: 8.90%

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



Run 3: Statistics of TCP BBR

Start at: 2018-07-10 13:20:42

End at: 2018-07-10 13:21:12

Local clock offset: -0.782 ms

Remote clock offset: 4.565 ms

# Below is generated by plot.py at 2018-07-10 16:00:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 37.89 Mbit/s

95th percentile per-packet one-way delay: 90.071 ms

Loss rate: 11.08%

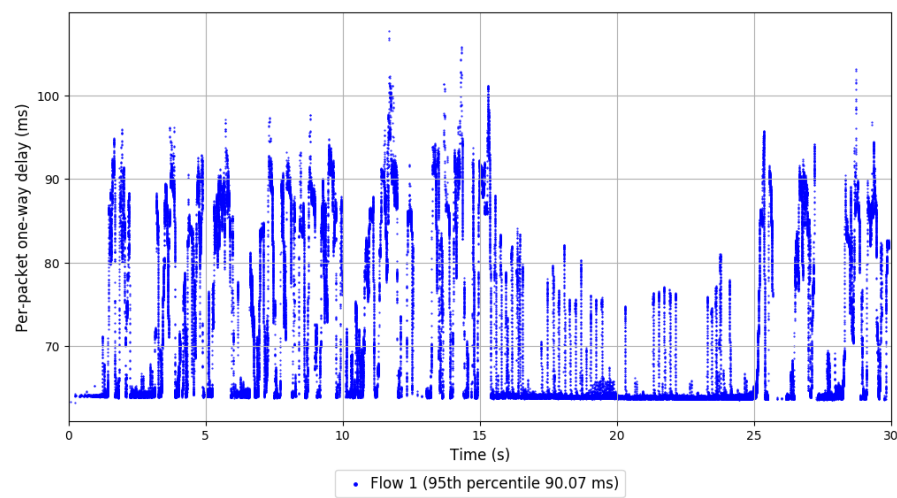
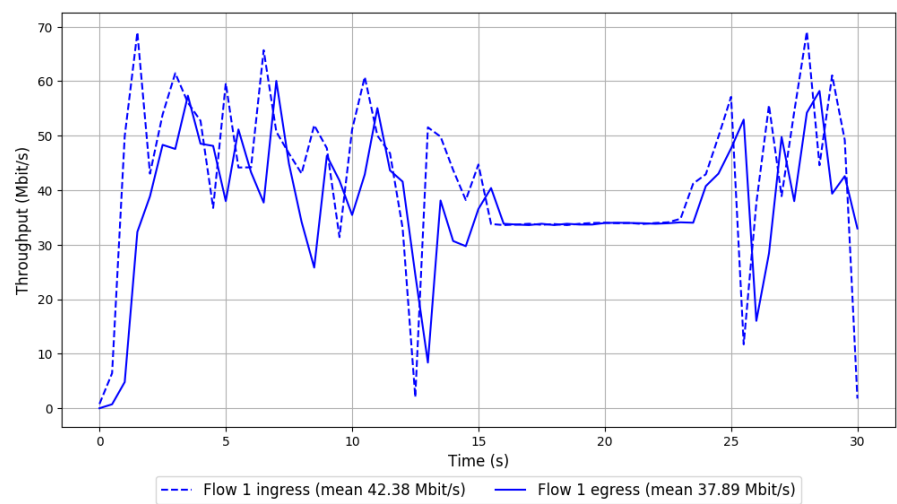
-- Flow 1:

Average throughput: 37.89 Mbit/s

95th percentile per-packet one-way delay: 90.071 ms

Loss rate: 11.08%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-10 13:42:54

End at: 2018-07-10 13:43:24

Local clock offset: -0.346 ms

Remote clock offset: 5.056 ms

# Below is generated by plot.py at 2018-07-10 16:00:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 39.53 Mbit/s

95th percentile per-packet one-way delay: 88.353 ms

Loss rate: 7.38%

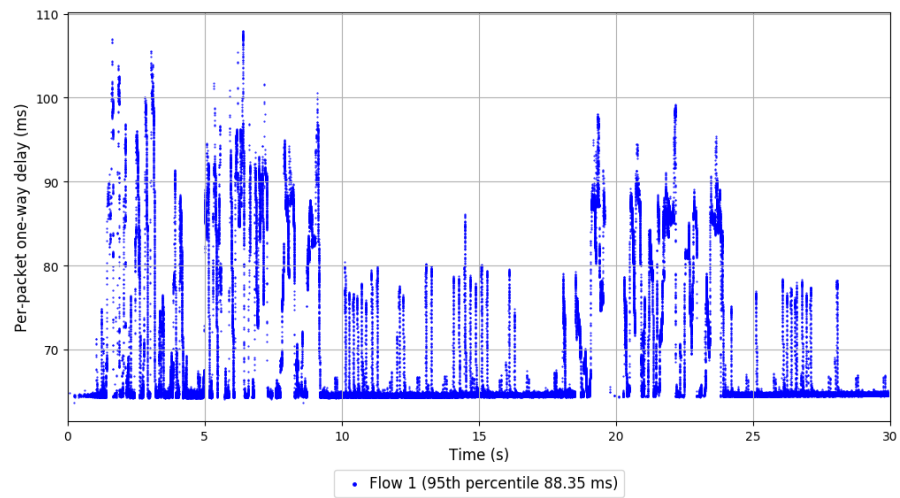
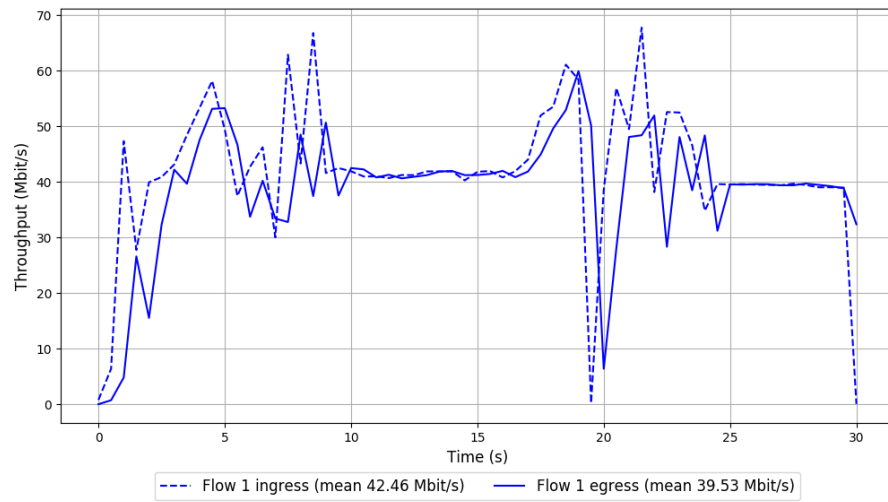
-- Flow 1:

Average throughput: 39.53 Mbit/s

95th percentile per-packet one-way delay: 88.353 ms

Loss rate: 7.38%

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



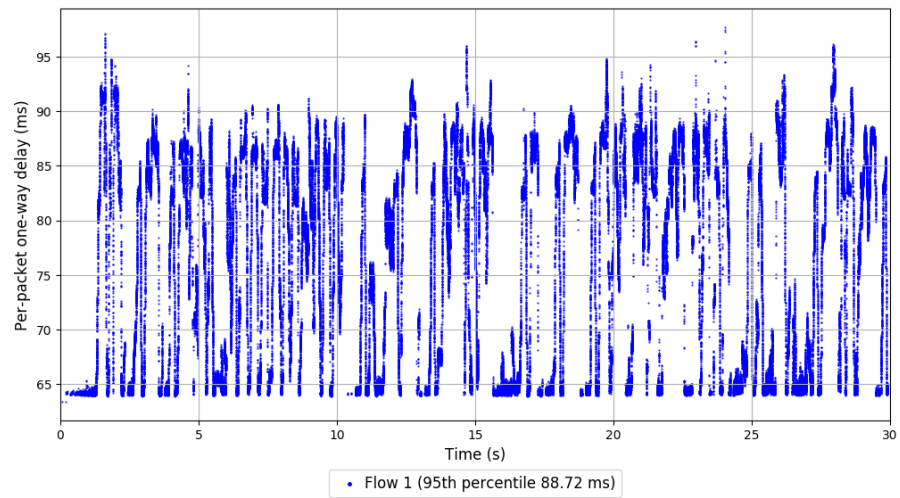
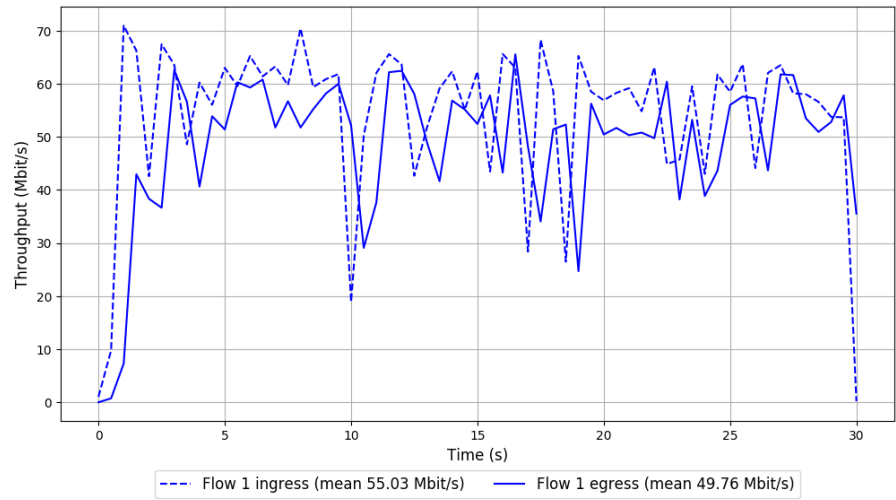
Run 5: Statistics of TCP BBR

Start at: 2018-07-10 14:05:05  
End at: 2018-07-10 14:05:35  
Local clock offset: -0.264 ms  
Remote clock offset: 11.394 ms

# Below is generated by plot.py at 2018-07-10 16:00:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 49.76 Mbit/s  
95th percentile per-packet one-way delay: 88.723 ms  
Loss rate: 10.02%  
-- Flow 1:  
Average throughput: 49.76 Mbit/s  
95th percentile per-packet one-way delay: 88.723 ms  
Loss rate: 10.02%



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



Run 6: Statistics of TCP BBR

Start at: 2018-07-10 14:27:18

End at: 2018-07-10 14:27:48

Local clock offset: -0.03 ms

Remote clock offset: 34.311 ms

# Below is generated by plot.py at 2018-07-10 16:00:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 37.69 Mbit/s

95th percentile per-packet one-way delay: 91.727 ms

Loss rate: 9.80%

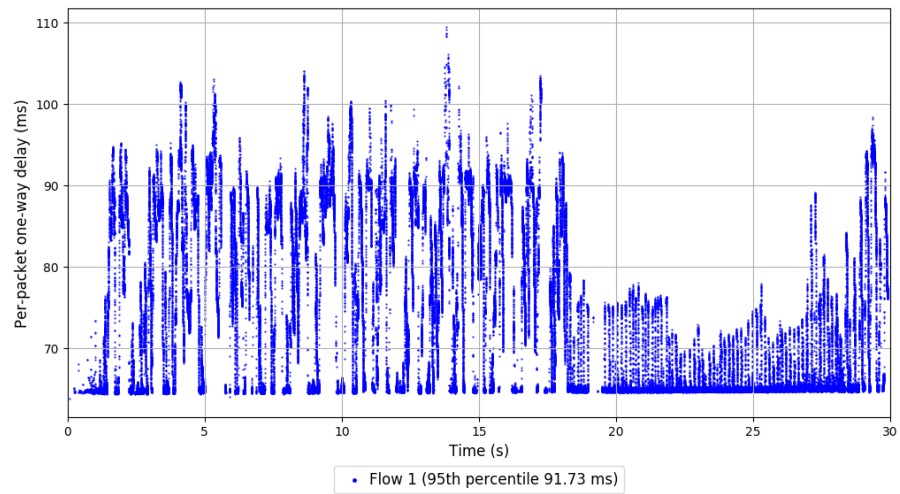
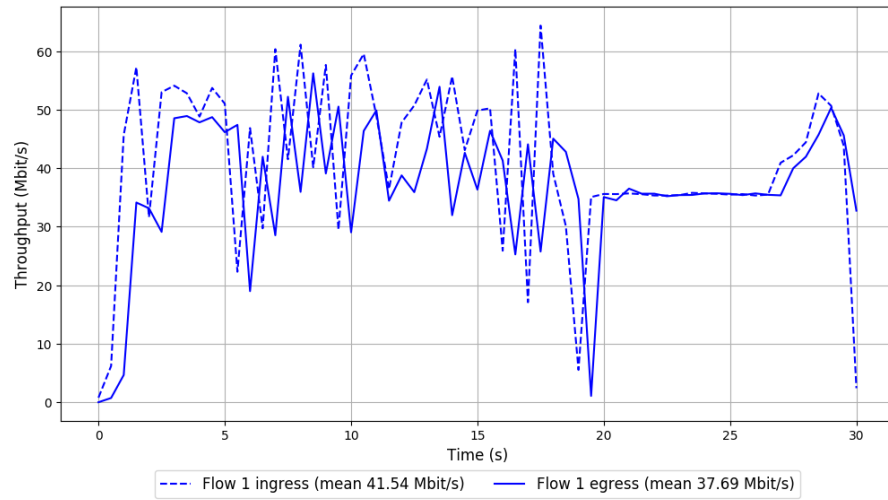
-- Flow 1:

Average throughput: 37.69 Mbit/s

95th percentile per-packet one-way delay: 91.727 ms

Loss rate: 9.80%

# Run 6: Report of TCP BBR — Data Link

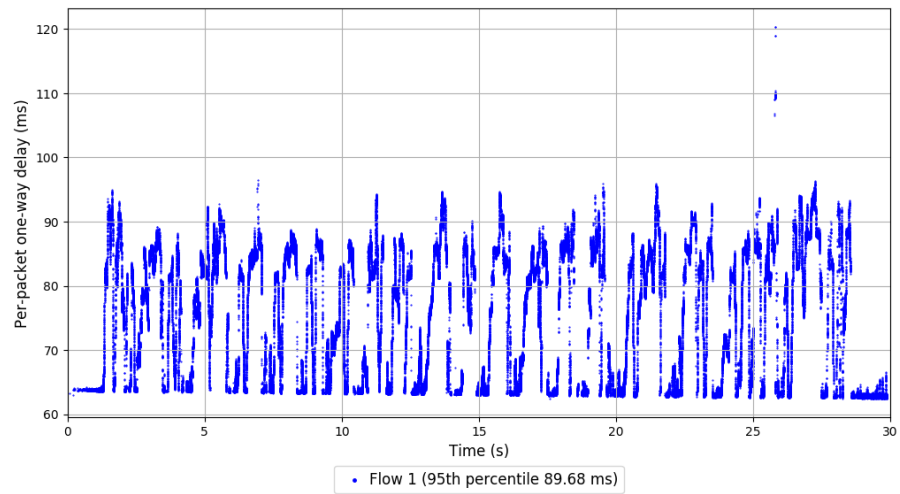
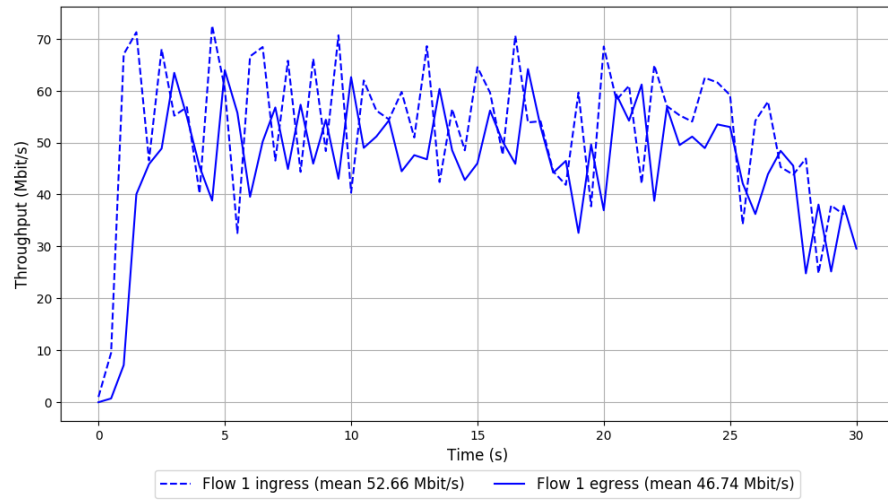


Run 7: Statistics of TCP BBR

Start at: 2018-07-10 14:49:32  
End at: 2018-07-10 14:50:02  
Local clock offset: 0.109 ms  
Remote clock offset: 25.122 ms

# Below is generated by plot.py at 2018-07-10 16:00:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 46.74 Mbit/s  
95th percentile per-packet one-way delay: 89.680 ms  
Loss rate: 11.69%  
-- Flow 1:  
Average throughput: 46.74 Mbit/s  
95th percentile per-packet one-way delay: 89.680 ms  
Loss rate: 11.69%

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



Run 8: Statistics of TCP BBR

Start at: 2018-07-10 15:11:49

End at: 2018-07-10 15:12:19

Local clock offset: 0.118 ms

Remote clock offset: 0.12 ms

# Below is generated by plot.py at 2018-07-10 16:00:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 49.17 Mbit/s

95th percentile per-packet one-way delay: 87.209 ms

Loss rate: 8.44%

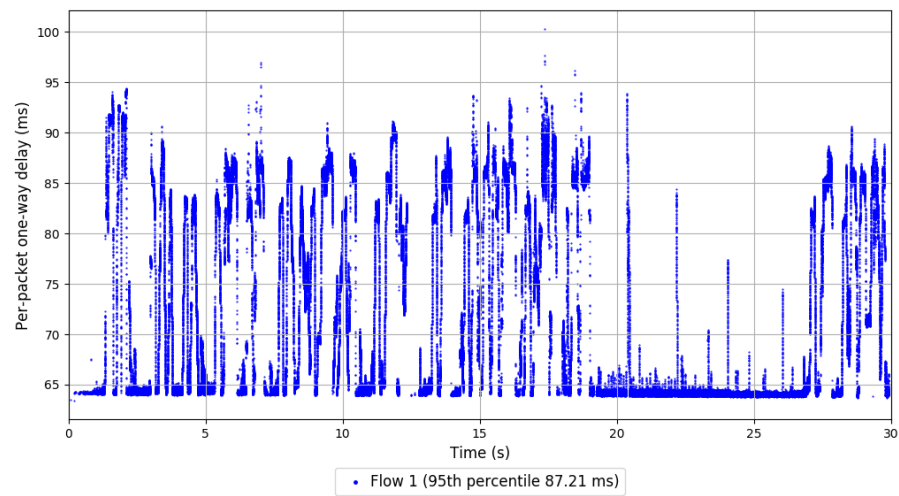
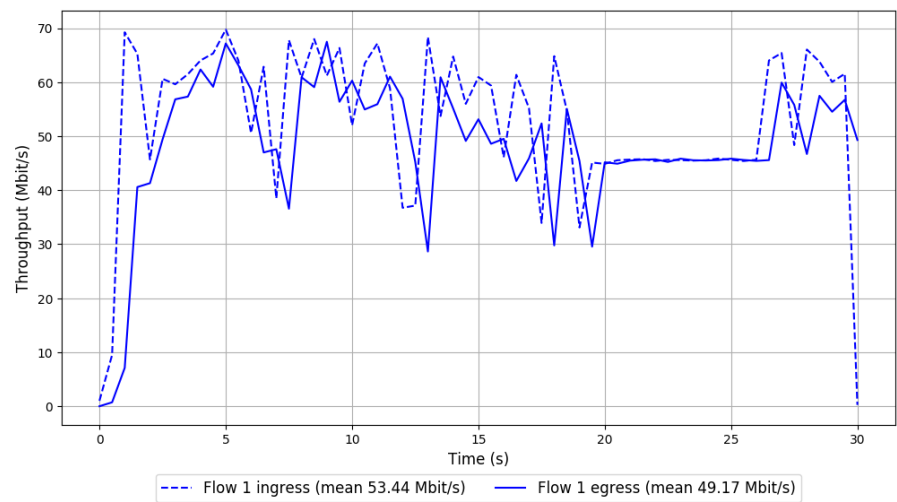
-- Flow 1:

Average throughput: 49.17 Mbit/s

95th percentile per-packet one-way delay: 87.209 ms

Loss rate: 8.44%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-10 15:34:05

End at: 2018-07-10 15:34:35

Local clock offset: 0.092 ms

Remote clock offset: 8.567 ms

# Below is generated by plot.py at 2018-07-10 16:00:44

# Datalink statistics

-- Total of 1 flow:

Average throughput: 49.23 Mbit/s

95th percentile per-packet one-way delay: 90.204 ms

Loss rate: 11.28%

-- Flow 1:

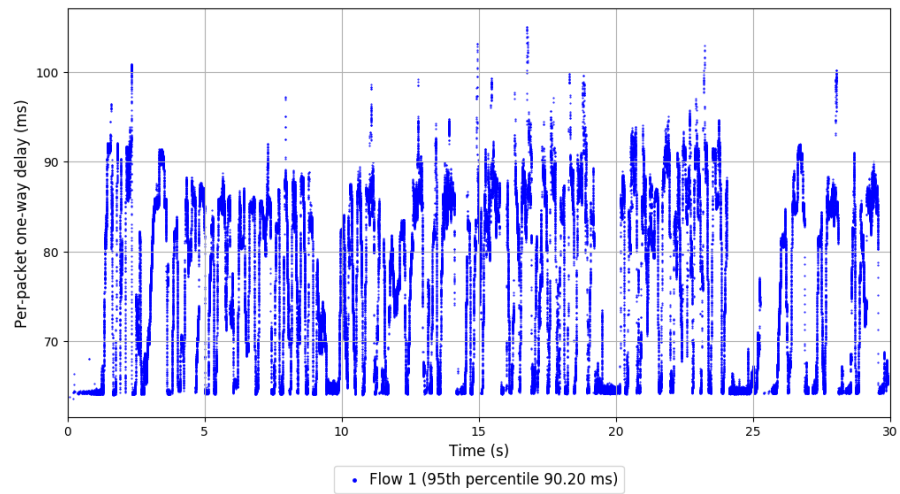
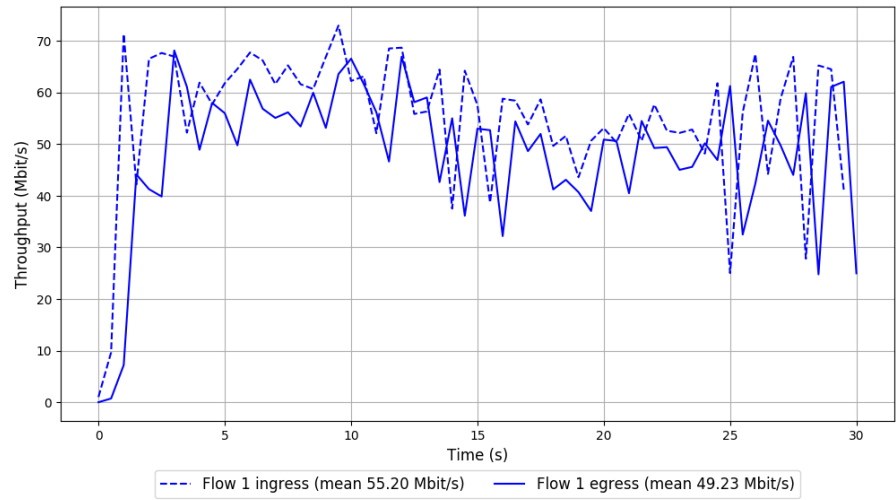
Average throughput: 49.23 Mbit/s

95th percentile per-packet one-way delay: 90.204 ms

Loss rate: 11.28%



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



Run 10: Statistics of TCP BBR

Start at: 2018-07-10 15:56:21

End at: 2018-07-10 15:56:51

Local clock offset: 0.017 ms

Remote clock offset: 4.686 ms

# Below is generated by plot.py at 2018-07-10 16:00:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 51.44 Mbit/s

95th percentile per-packet one-way delay: 88.630 ms

Loss rate: 10.29%

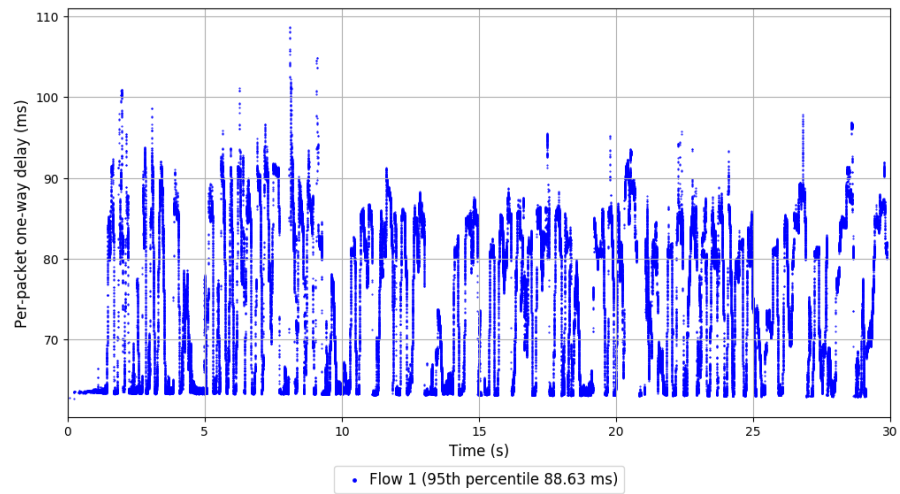
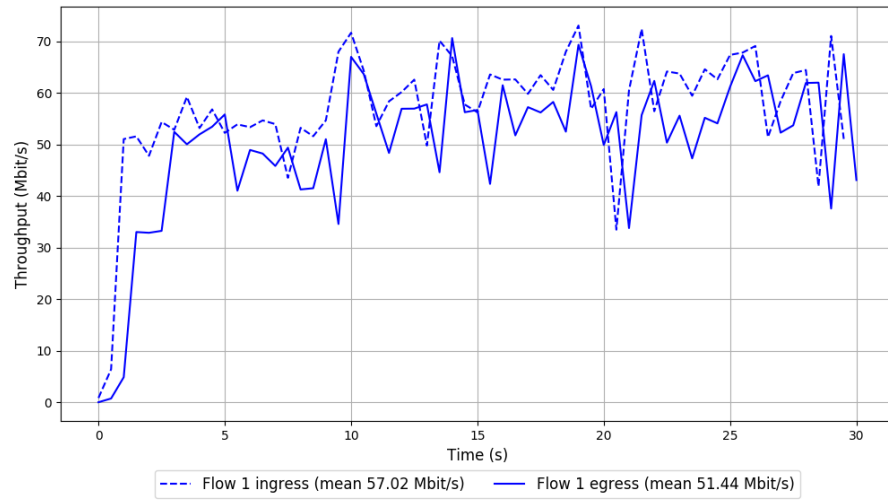
-- Flow 1:

Average throughput: 51.44 Mbit/s

95th percentile per-packet one-way delay: 88.630 ms

Loss rate: 10.29%

# Run 10: Report of TCP BBR — Data Link

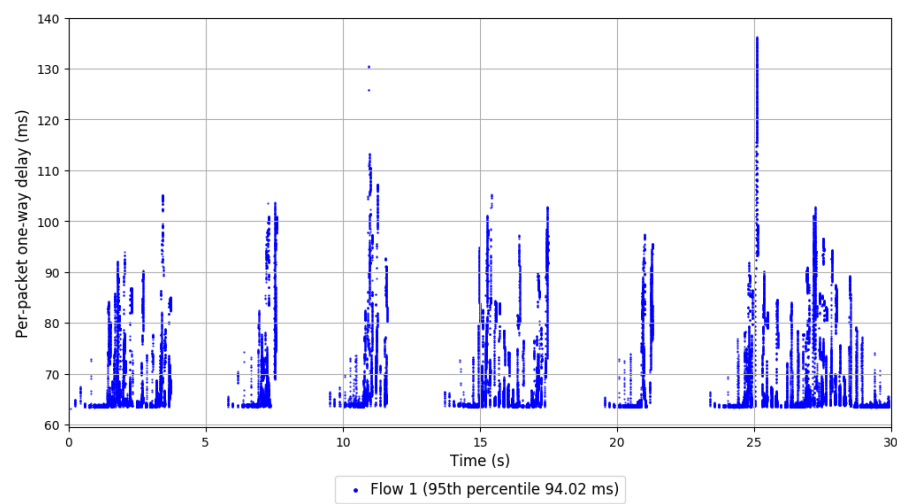
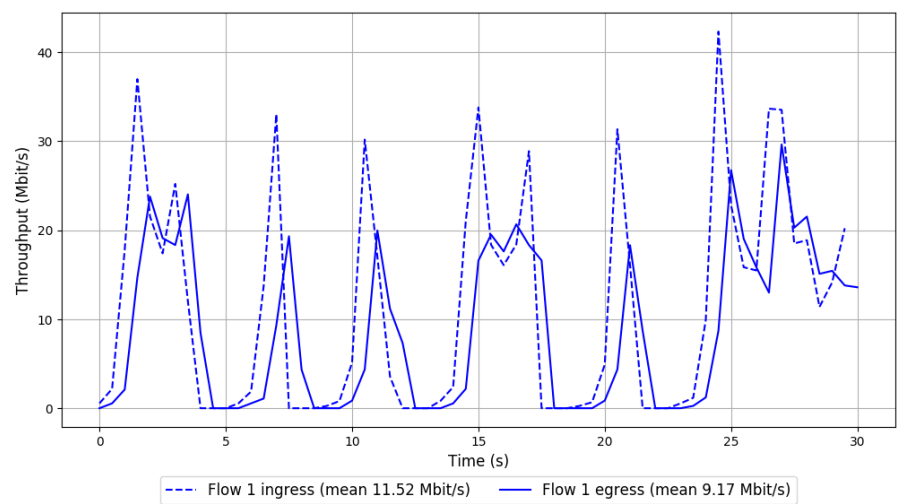


Run 1: Statistics of Copa

Start at: 2018-07-10 12:20:31  
End at: 2018-07-10 12:21:01  
Local clock offset: -1.125 ms  
Remote clock offset: -2.862 ms

# Below is generated by plot.py at 2018-07-10 16:00:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 9.17 Mbit/s  
95th percentile per-packet one-way delay: 94.023 ms  
Loss rate: 20.77%  
-- Flow 1:  
Average throughput: 9.17 Mbit/s  
95th percentile per-packet one-way delay: 94.023 ms  
Loss rate: 20.77%

Run 1: Report of Copa — Data Link

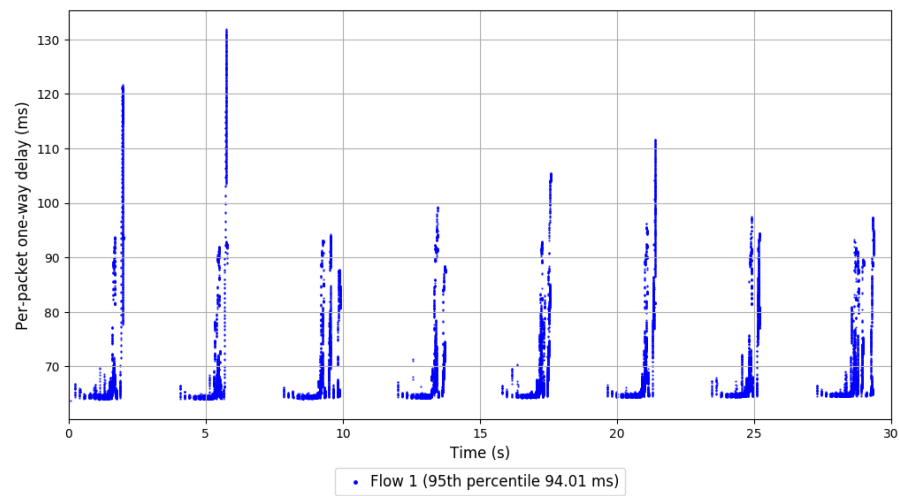
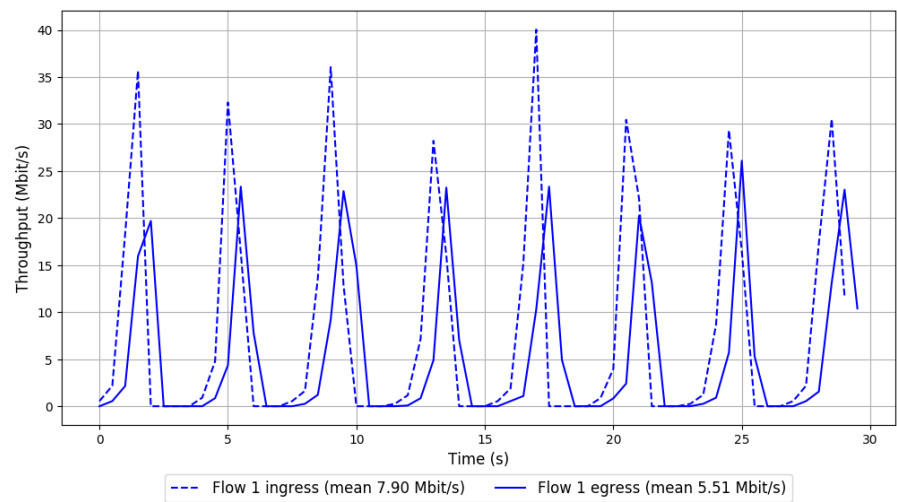


Run 2: Statistics of Copa

Start at: 2018-07-10 12:42:44  
End at: 2018-07-10 12:43:14  
Local clock offset: -0.958 ms  
Remote clock offset: 31.404 ms

# Below is generated by plot.py at 2018-07-10 16:00:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 5.51 Mbit/s  
95th percentile per-packet one-way delay: 94.012 ms  
Loss rate: 30.10%  
-- Flow 1:  
Average throughput: 5.51 Mbit/s  
95th percentile per-packet one-way delay: 94.012 ms  
Loss rate: 30.10%

Run 2: Report of Copa — Data Link



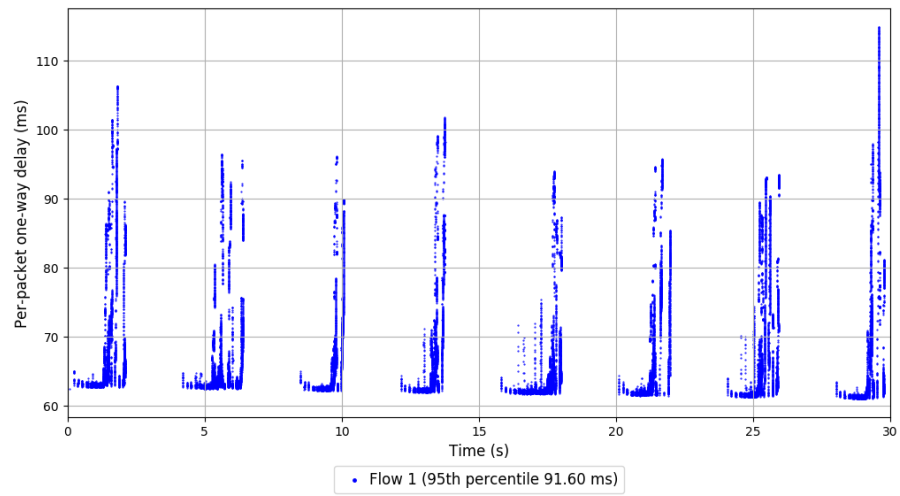
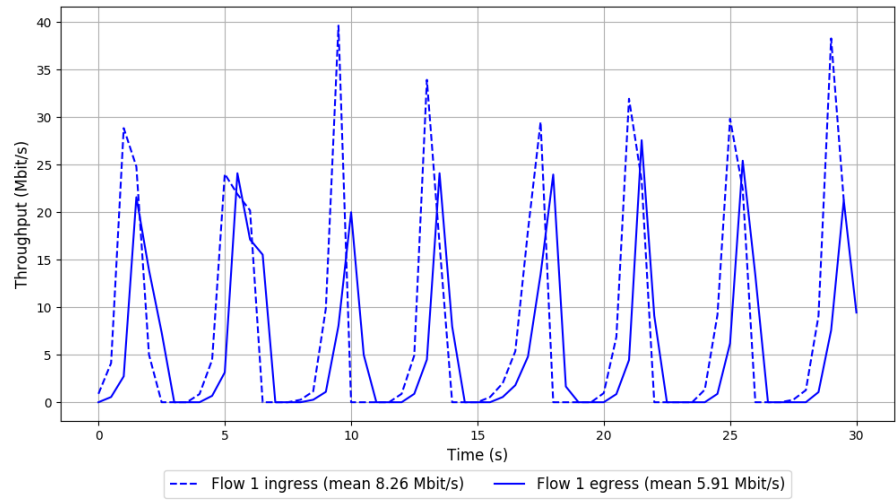
Run 3: Statistics of Copa

Start at: 2018-07-10 13:05:00  
End at: 2018-07-10 13:05:30  
Local clock offset: -0.976 ms  
Remote clock offset: 32.848 ms

# Below is generated by plot.py at 2018-07-10 16:00:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 5.91 Mbit/s  
95th percentile per-packet one-way delay: 91.600 ms  
Loss rate: 28.76%  
-- Flow 1:  
Average throughput: 5.91 Mbit/s  
95th percentile per-packet one-way delay: 91.600 ms  
Loss rate: 28.76%



### Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-10 13:27:13

End at: 2018-07-10 13:27:43

Local clock offset: -0.574 ms

Remote clock offset: 1.271 ms

# Below is generated by plot.py at 2018-07-10 16:00:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 7.57 Mbit/s

95th percentile per-packet one-way delay: 93.815 ms

Loss rate: 26.71%

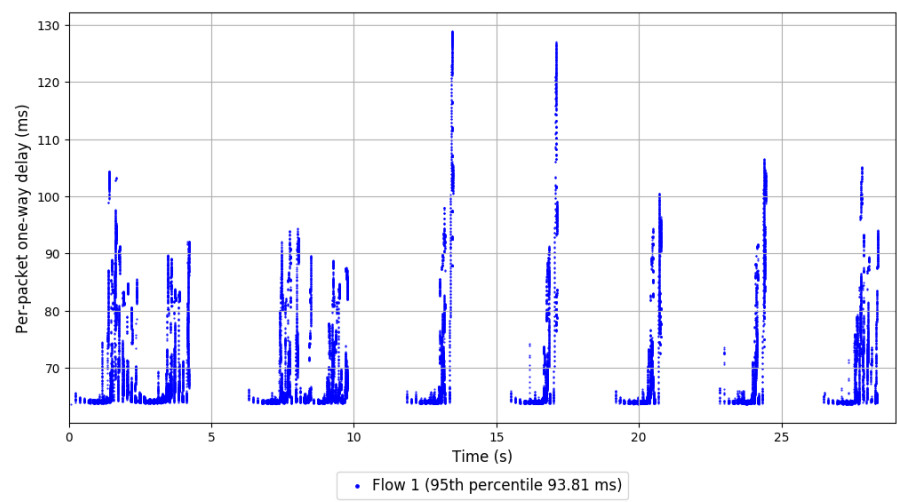
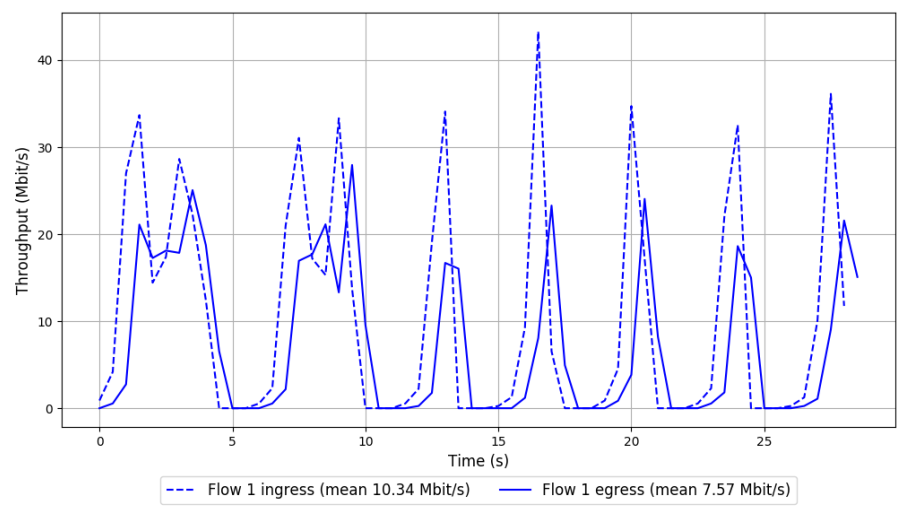
-- Flow 1:

Average throughput: 7.57 Mbit/s

95th percentile per-packet one-way delay: 93.815 ms

Loss rate: 26.71%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-10 13:49:25

End at: 2018-07-10 13:49:55

Local clock offset: -0.526 ms

Remote clock offset: 7.967 ms

# Below is generated by plot.py at 2018-07-10 16:00:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.89 Mbit/s

95th percentile per-packet one-way delay: 93.988 ms

Loss rate: 33.54%

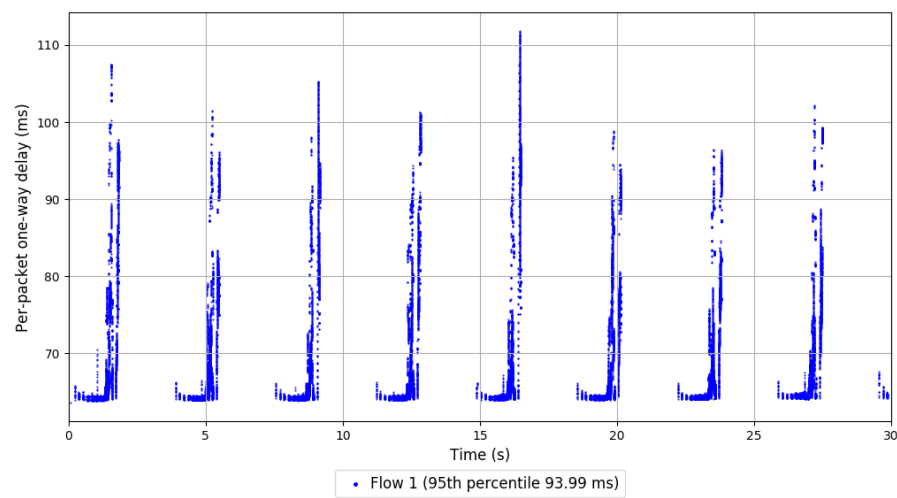
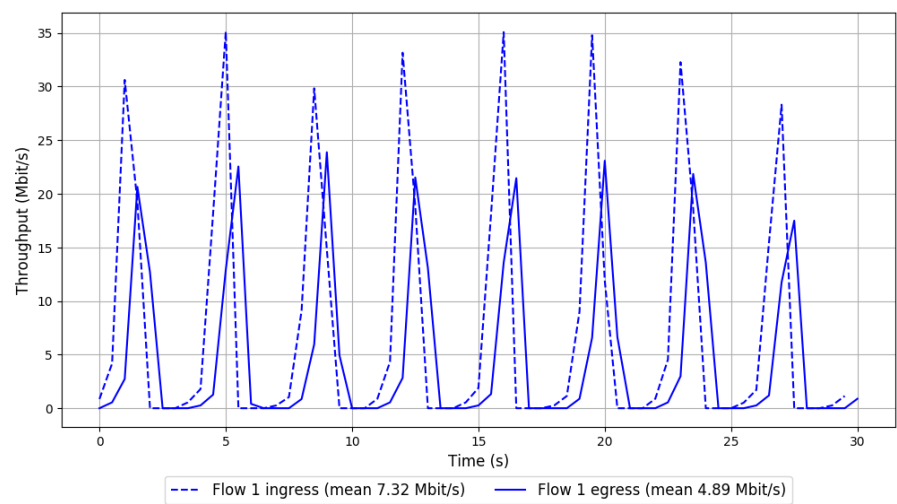
-- Flow 1:

Average throughput: 4.89 Mbit/s

95th percentile per-packet one-way delay: 93.988 ms

Loss rate: 33.54%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-10 14:11:38

End at: 2018-07-10 14:12:08

Local clock offset: -0.256 ms

Remote clock offset: 15.52 ms

# Below is generated by plot.py at 2018-07-10 16:00:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.22 Mbit/s

95th percentile per-packet one-way delay: 91.539 ms

Loss rate: 18.31%

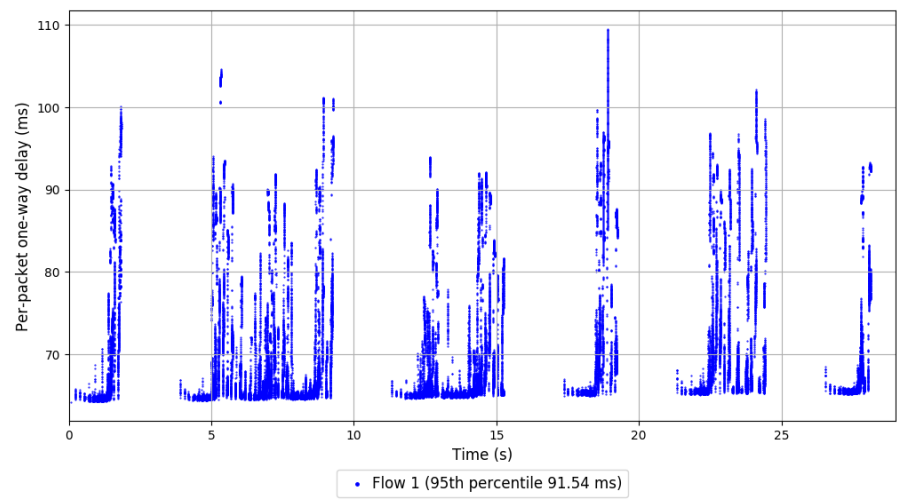
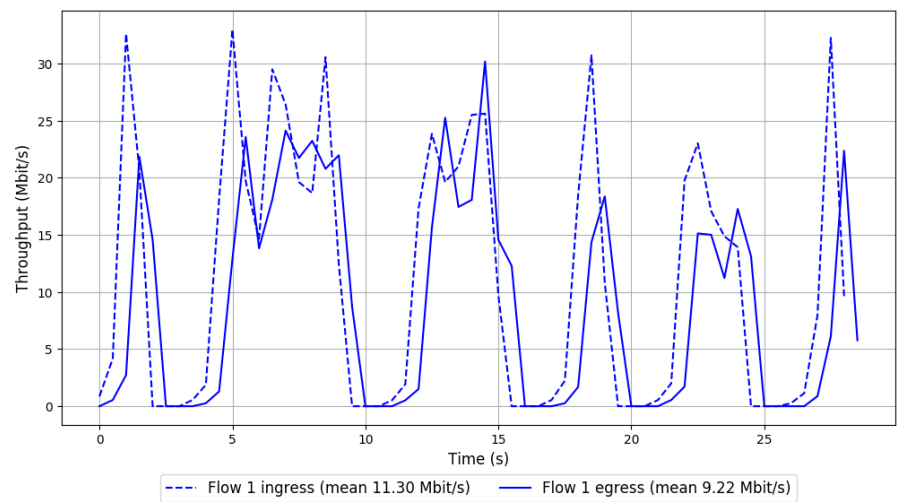
-- Flow 1:

Average throughput: 9.22 Mbit/s

95th percentile per-packet one-way delay: 91.539 ms

Loss rate: 18.31%

Run 6: Report of Copa — Data Link



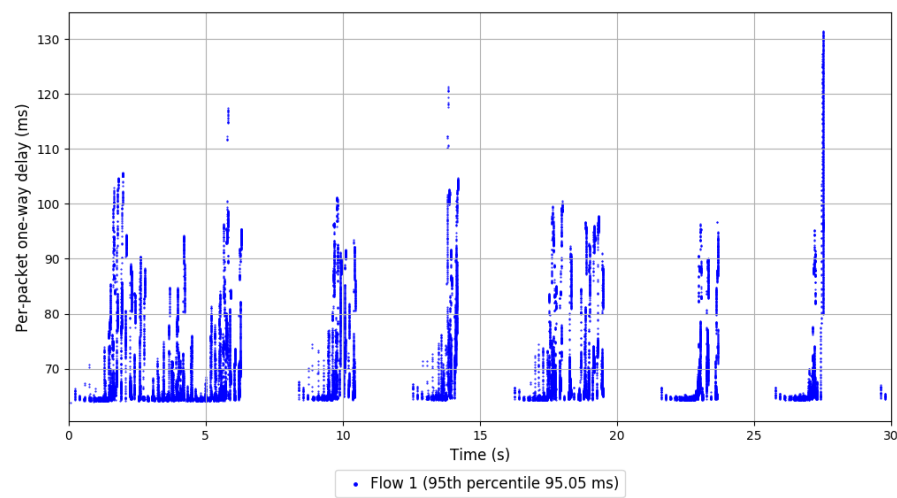
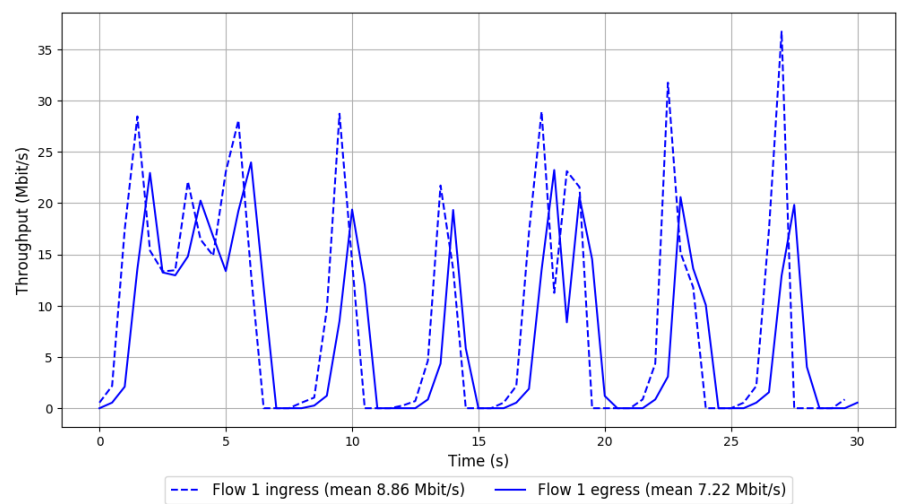
Run 7: Statistics of Copa

Start at: 2018-07-10 14:33:48  
End at: 2018-07-10 14:34:18  
Local clock offset: 0.072 ms  
Remote clock offset: 38.166 ms

# Below is generated by plot.py at 2018-07-10 16:00:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 7.22 Mbit/s  
95th percentile per-packet one-way delay: 95.048 ms  
Loss rate: 19.08%  
-- Flow 1:  
Average throughput: 7.22 Mbit/s  
95th percentile per-packet one-way delay: 95.048 ms  
Loss rate: 19.08%



Run 7: Report of Copa — Data Link

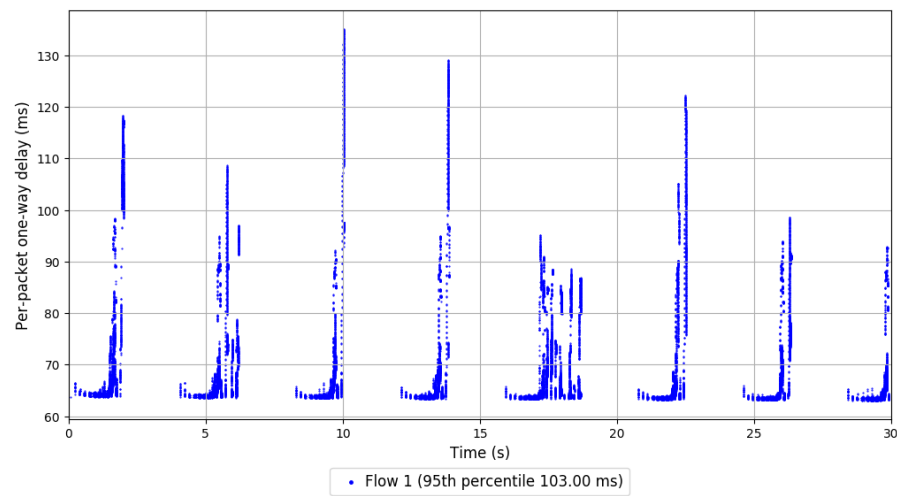
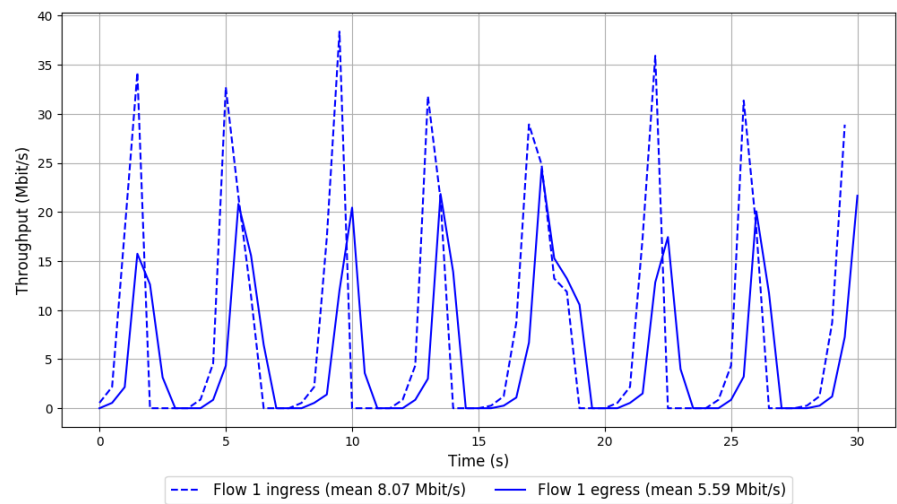


Run 8: Statistics of Copa

Start at: 2018-07-10 14:56:04  
End at: 2018-07-10 14:56:34  
Local clock offset: 0.345 ms  
Remote clock offset: 12.992 ms

# Below is generated by plot.py at 2018-07-10 16:00:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 5.59 Mbit/s  
95th percentile per-packet one-way delay: 103.005 ms  
Loss rate: 30.74%  
-- Flow 1:  
Average throughput: 5.59 Mbit/s  
95th percentile per-packet one-way delay: 103.005 ms  
Loss rate: 30.74%

Run 8: Report of Copa — Data Link

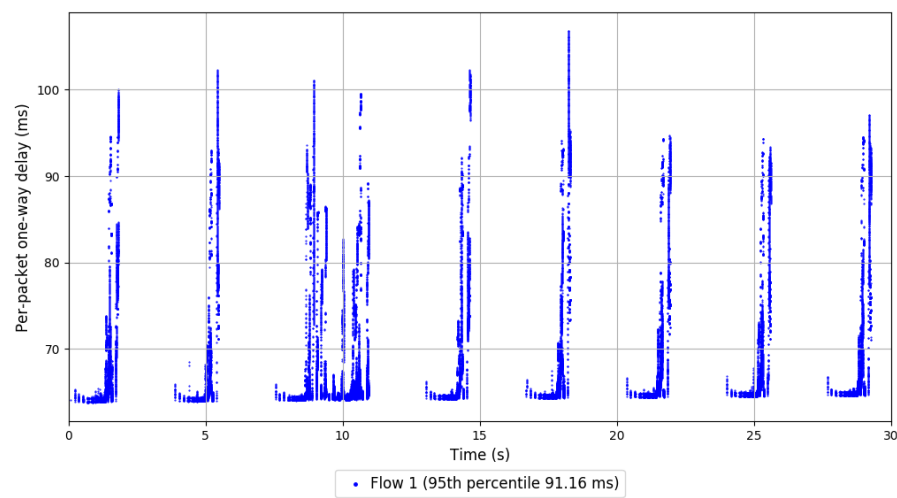
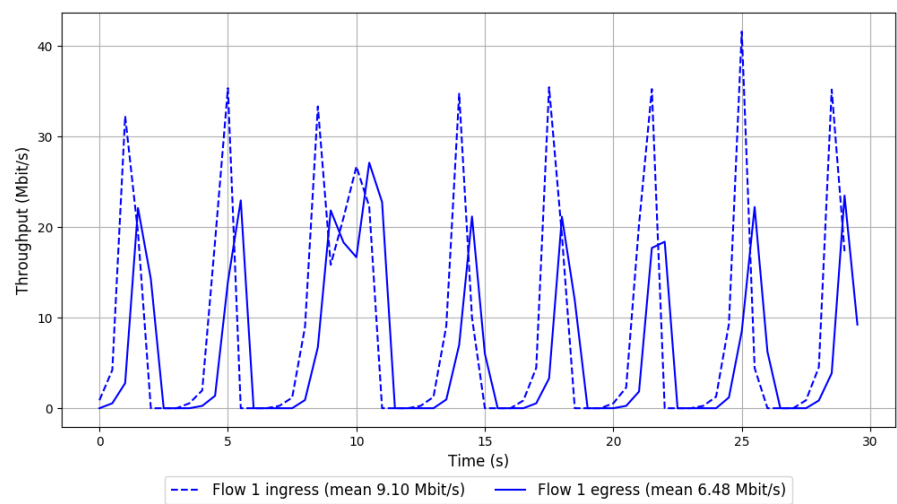


Run 9: Statistics of Copa

Start at: 2018-07-10 15:18:22  
End at: 2018-07-10 15:18:52  
Local clock offset: 0.162 ms  
Remote clock offset: -2.862 ms

# Below is generated by plot.py at 2018-07-10 16:00:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 6.48 Mbit/s  
95th percentile per-packet one-way delay: 91.155 ms  
Loss rate: 28.73%  
-- Flow 1:  
Average throughput: 6.48 Mbit/s  
95th percentile per-packet one-way delay: 91.155 ms  
Loss rate: 28.73%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-10 15:40:39

End at: 2018-07-10 15:41:09

Local clock offset: 0.079 ms

Remote clock offset: 9.107 ms

# Below is generated by plot.py at 2018-07-10 16:00:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.98 Mbit/s

95th percentile per-packet one-way delay: 90.009 ms

Loss rate: 33.82%

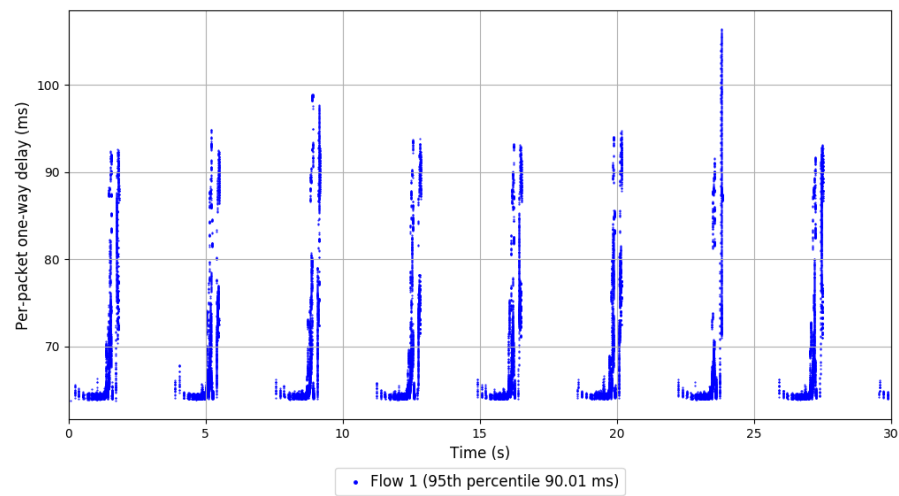
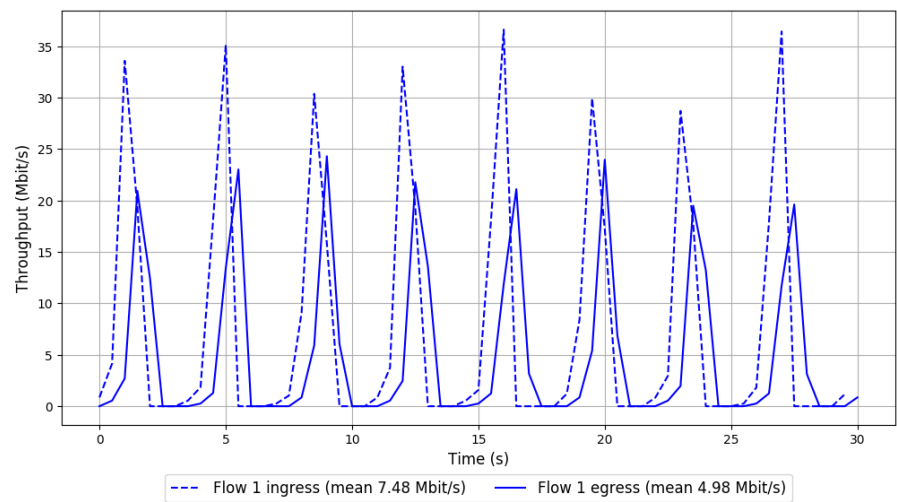
-- Flow 1:

Average throughput: 4.98 Mbit/s

95th percentile per-packet one-way delay: 90.009 ms

Loss rate: 33.82%

Run 10: Report of Copa — Data Link



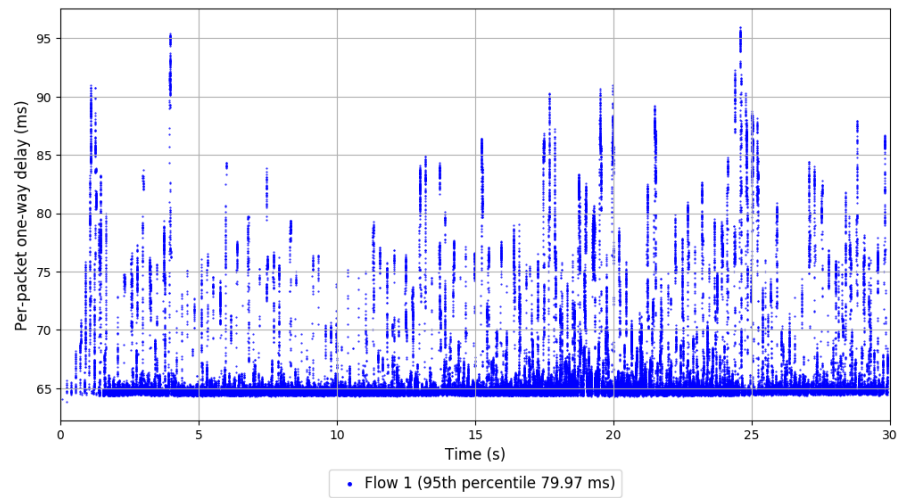
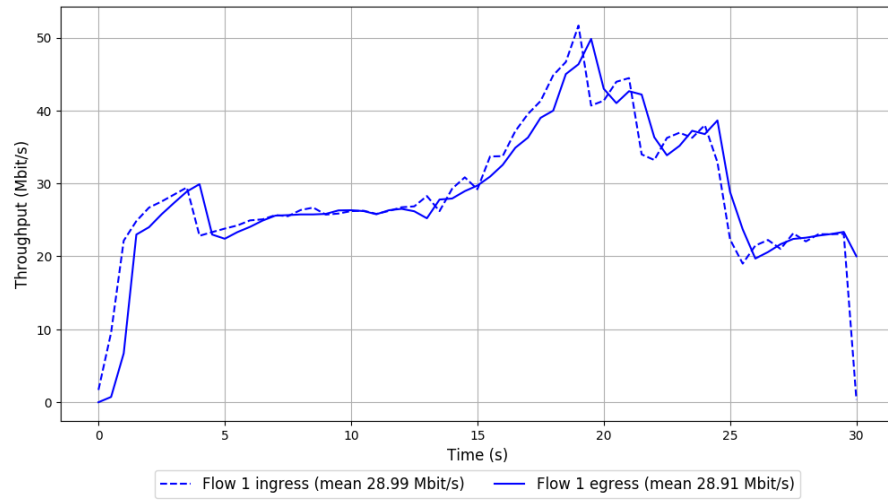
Run 1: Statistics of TCP Cubic

Start at: 2018-07-10 12:19:12  
End at: 2018-07-10 12:19:42  
Local clock offset: -0.855 ms  
Remote clock offset: -2.763 ms

# Below is generated by plot.py at 2018-07-10 16:00:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 28.91 Mbit/s  
95th percentile per-packet one-way delay: 79.975 ms  
Loss rate: 0.77%  
-- Flow 1:  
Average throughput: 28.91 Mbit/s  
95th percentile per-packet one-way delay: 79.975 ms  
Loss rate: 0.77%



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

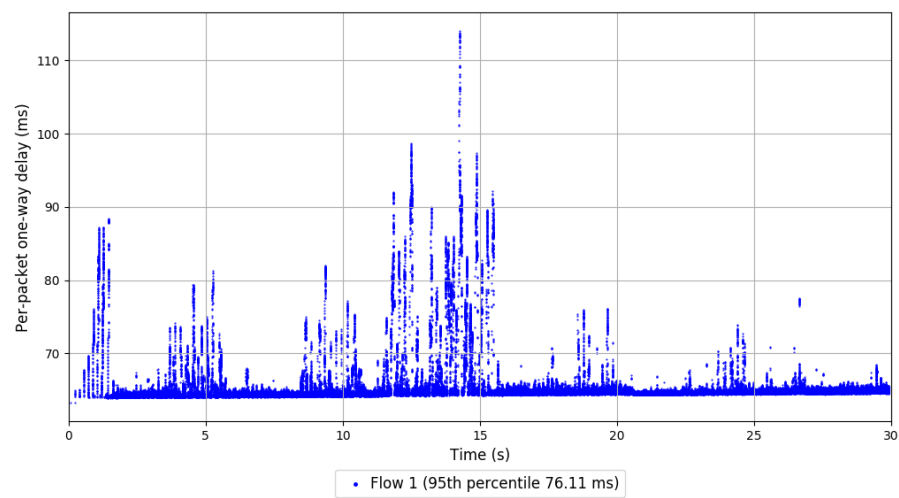
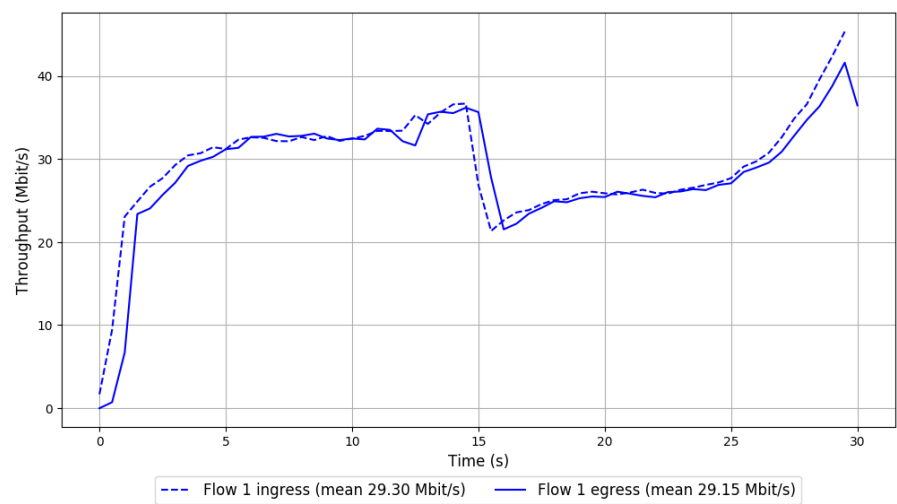


Run 2: Statistics of TCP Cubic

Start at: 2018-07-10 12:41:26  
End at: 2018-07-10 12:41:56  
Local clock offset: -1.114 ms  
Remote clock offset: 29.782 ms

# Below is generated by plot.py at 2018-07-10 16:00:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 29.15 Mbit/s  
95th percentile per-packet one-way delay: 76.113 ms  
Loss rate: 1.01%  
-- Flow 1:  
Average throughput: 29.15 Mbit/s  
95th percentile per-packet one-way delay: 76.113 ms  
Loss rate: 1.01%

Run 2: Report of TCP Cubic — Data Link

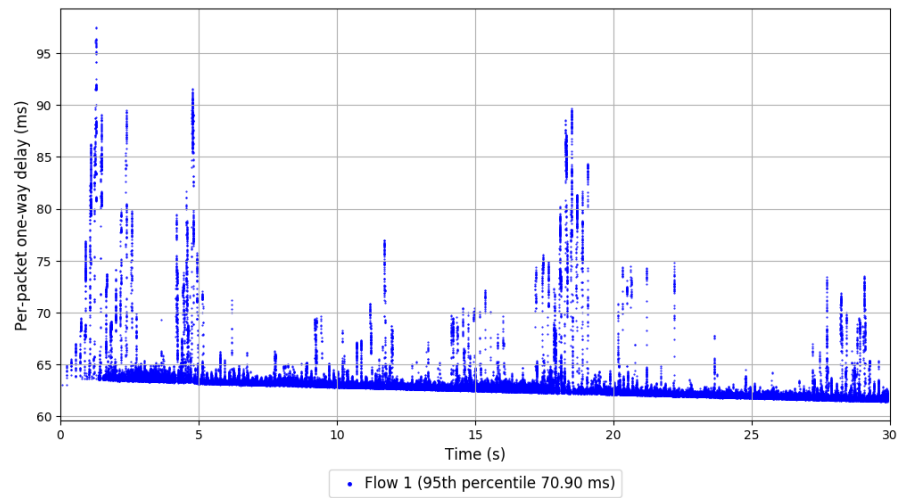
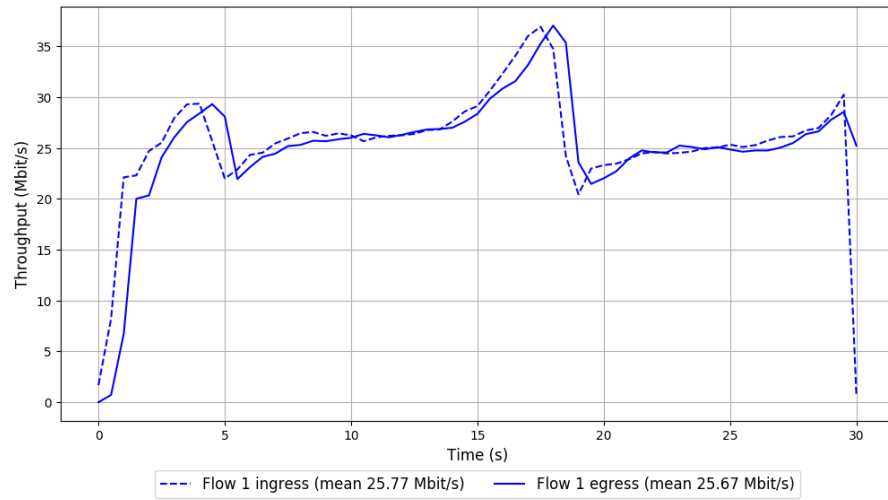


Run 3: Statistics of TCP Cubic

Start at: 2018-07-10 13:03:42  
End at: 2018-07-10 13:04:12  
Local clock offset: -0.731 ms  
Remote clock offset: 38.331 ms

# Below is generated by plot.py at 2018-07-10 16:00:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 25.67 Mbit/s  
95th percentile per-packet one-way delay: 70.899 ms  
Loss rate: 0.89%  
-- Flow 1:  
Average throughput: 25.67 Mbit/s  
95th percentile per-packet one-way delay: 70.899 ms  
Loss rate: 0.89%

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



Run 4: Statistics of TCP Cubic

Start at: 2018-07-10 13:25:55

End at: 2018-07-10 13:26:25

Local clock offset: -0.729 ms

Remote clock offset: 1.864 ms

# Below is generated by plot.py at 2018-07-10 16:01:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 36.09 Mbit/s

95th percentile per-packet one-way delay: 68.575 ms

Loss rate: 0.64%

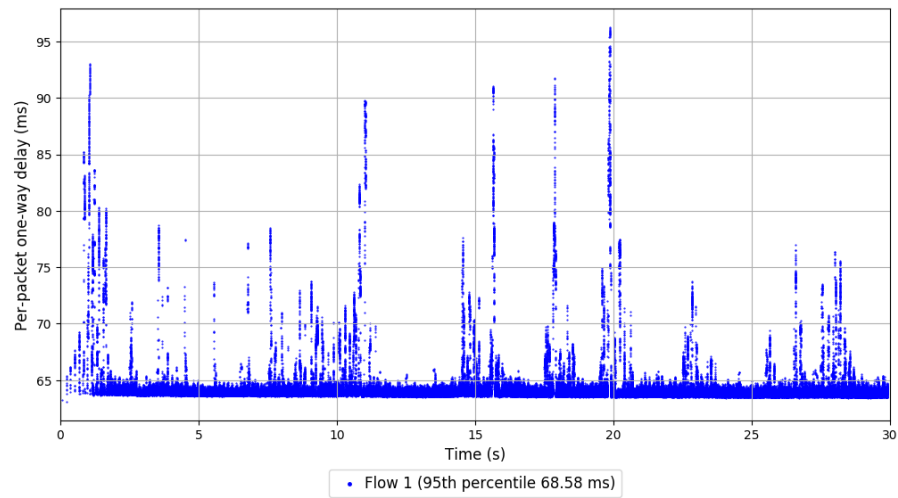
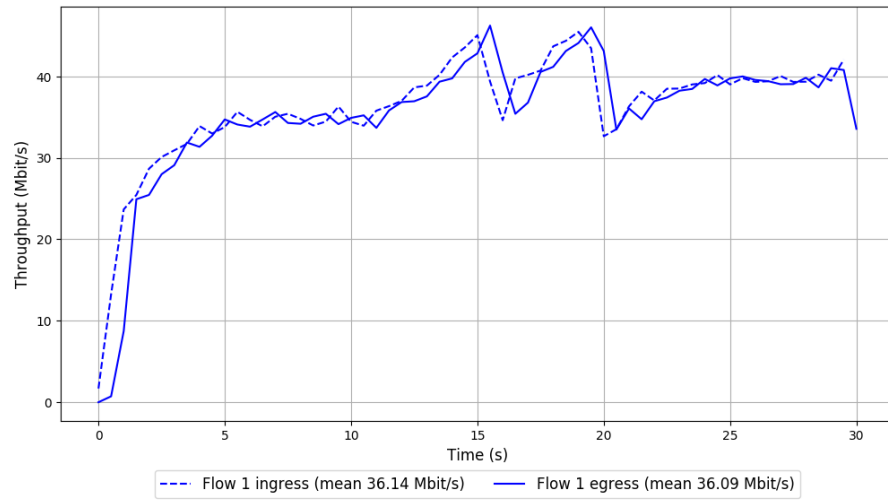
-- Flow 1:

Average throughput: 36.09 Mbit/s

95th percentile per-packet one-way delay: 68.575 ms

Loss rate: 0.64%

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



Run 5: Statistics of TCP Cubic

Start at: 2018-07-10 13:48:06

End at: 2018-07-10 13:48:36

Local clock offset: -0.371 ms

Remote clock offset: 7.451 ms

# Below is generated by plot.py at 2018-07-10 16:01:04

# Datalink statistics

-- Total of 1 flow:

Average throughput: 40.39 Mbit/s

95th percentile per-packet one-way delay: 68.263 ms

Loss rate: 0.70%

-- Flow 1:

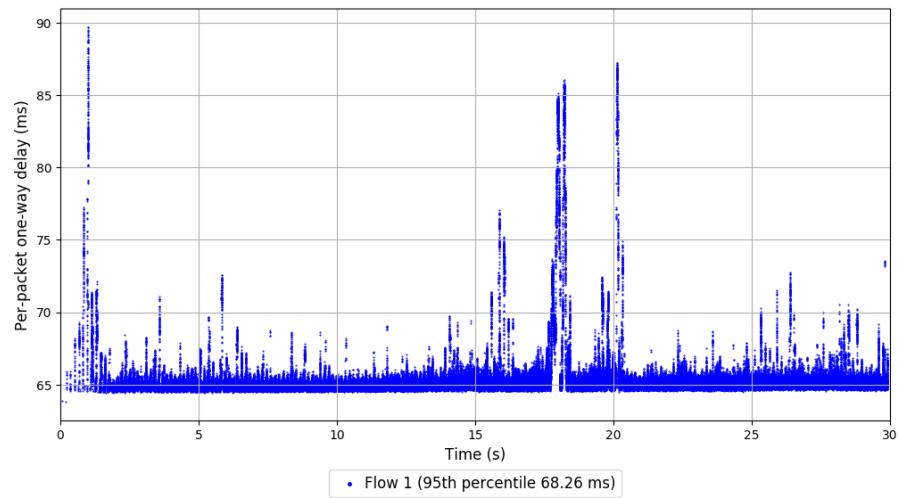
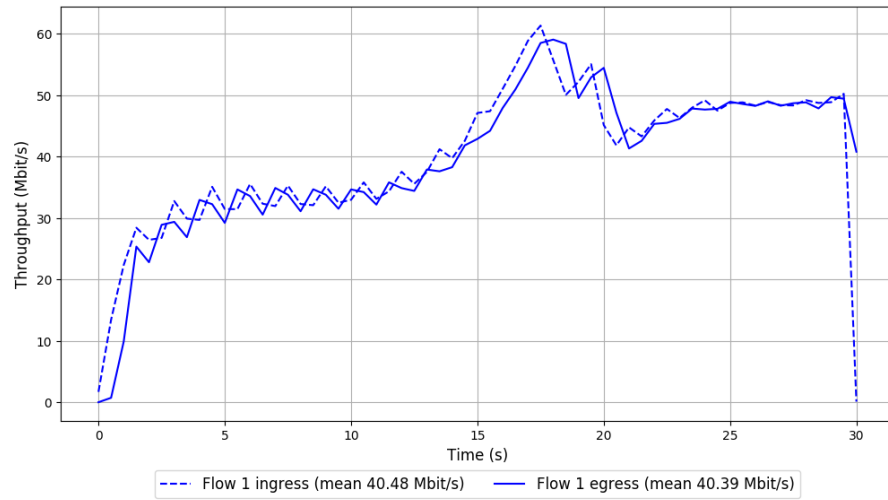
Average throughput: 40.39 Mbit/s

95th percentile per-packet one-way delay: 68.263 ms

Loss rate: 0.70%



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

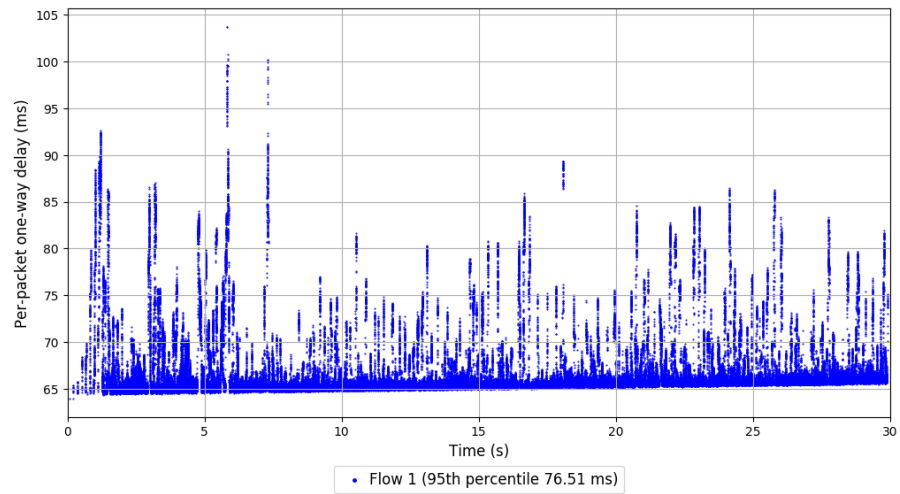
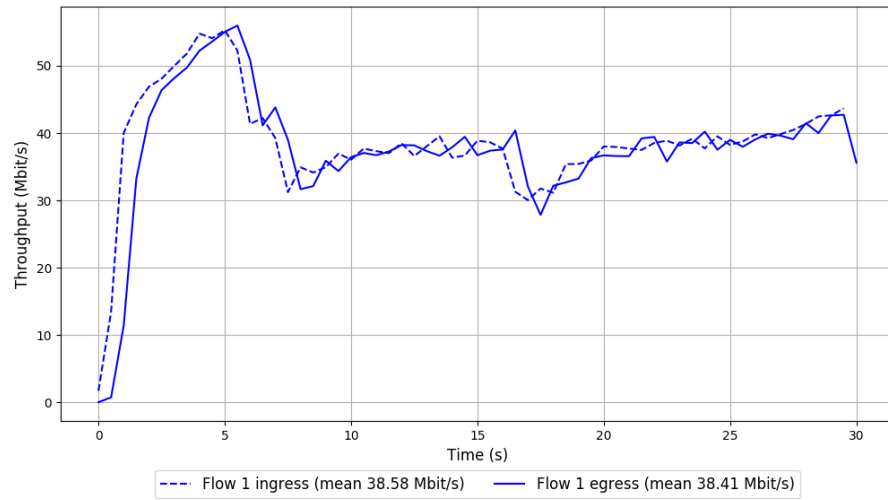


Run 6: Statistics of TCP Cubic

Start at: 2018-07-10 14:10:19  
End at: 2018-07-10 14:10:49  
Local clock offset: -0.268 ms  
Remote clock offset: 12.699 ms

# Below is generated by plot.py at 2018-07-10 16:01:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 38.41 Mbit/s  
95th percentile per-packet one-way delay: 76.512 ms  
Loss rate: 0.95%  
-- Flow 1:  
Average throughput: 38.41 Mbit/s  
95th percentile per-packet one-way delay: 76.512 ms  
Loss rate: 0.95%

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

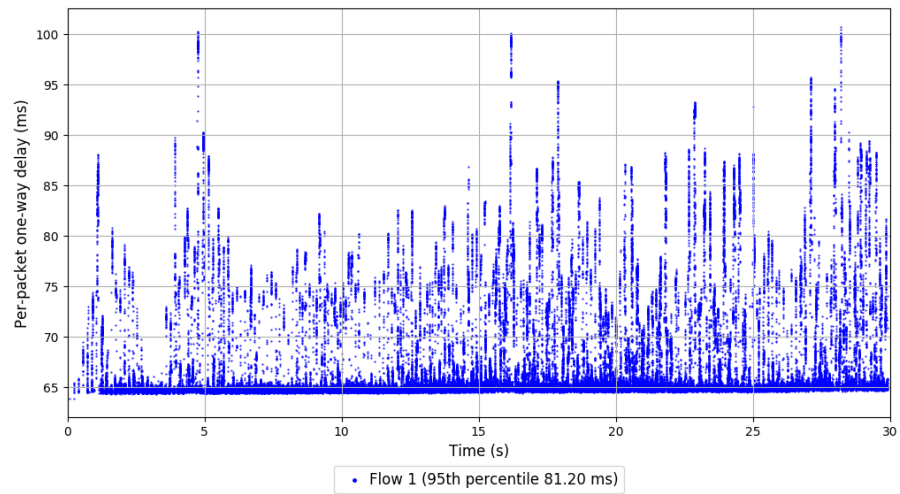
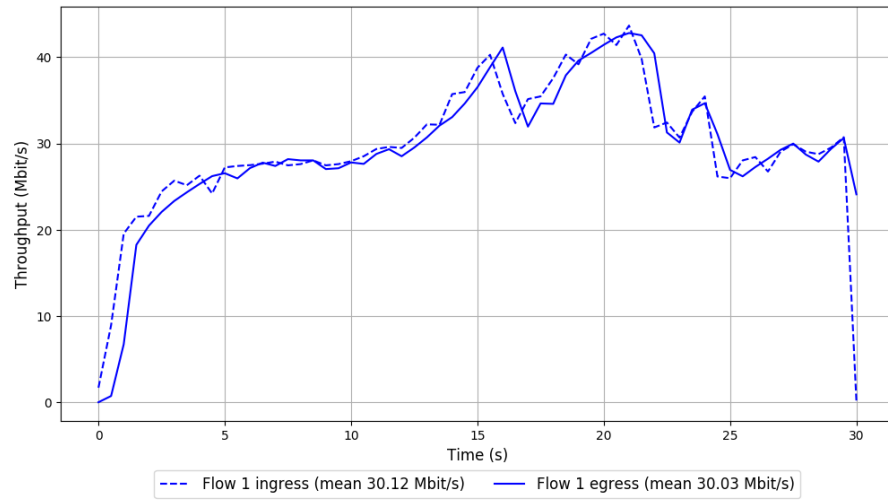


Run 7: Statistics of TCP Cubic

Start at: 2018-07-10 14:32:30  
End at: 2018-07-10 14:33:00  
Local clock offset: -0.087 ms  
Remote clock offset: 37.342 ms

# Below is generated by plot.py at 2018-07-10 16:01:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 30.03 Mbit/s  
95th percentile per-packet one-way delay: 81.198 ms  
Loss rate: 0.77%  
-- Flow 1:  
Average throughput: 30.03 Mbit/s  
95th percentile per-packet one-way delay: 81.198 ms  
Loss rate: 0.77%

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



Run 8: Statistics of TCP Cubic

Start at: 2018-07-10 14:54:45

End at: 2018-07-10 14:55:15

Local clock offset: 0.21 ms

Remote clock offset: 14.99 ms

# Below is generated by plot.py at 2018-07-10 16:01:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 36.37 Mbit/s

95th percentile per-packet one-way delay: 68.514 ms

Loss rate: 0.90%

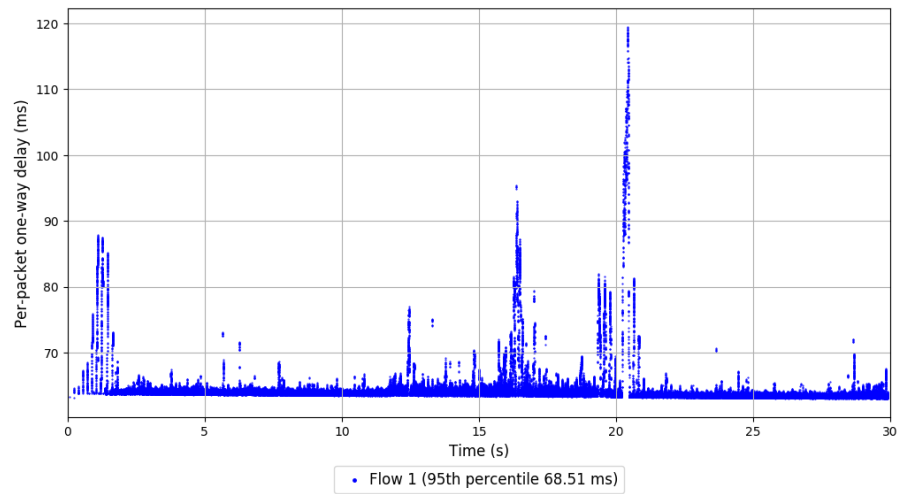
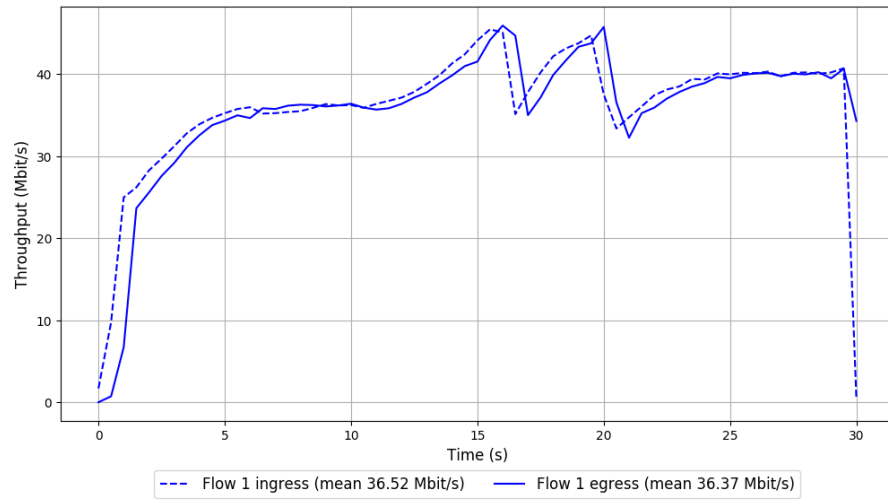
-- Flow 1:

Average throughput: 36.37 Mbit/s

95th percentile per-packet one-way delay: 68.514 ms

Loss rate: 0.90%

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



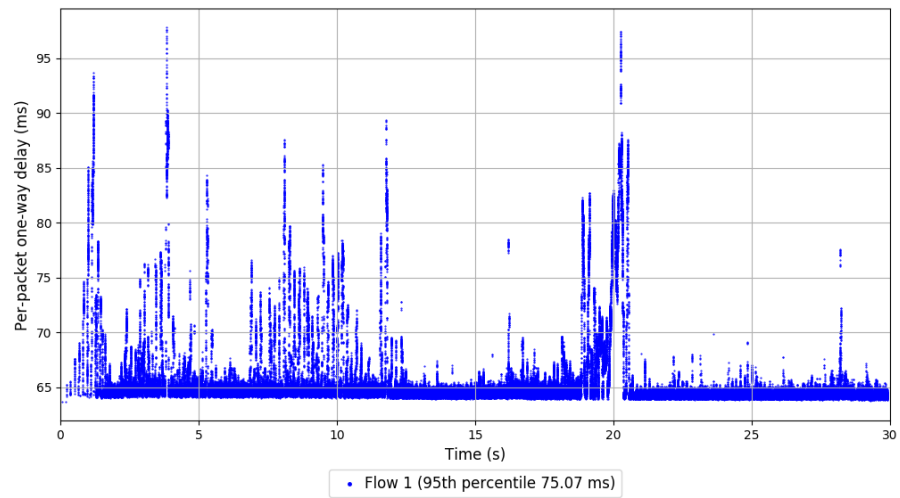
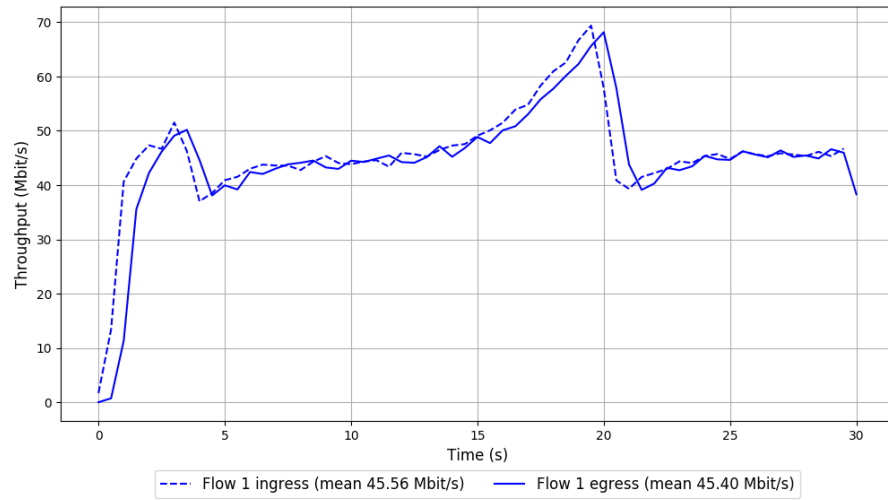
Run 9: Statistics of TCP Cubic

Start at: 2018-07-10 15:17:02  
End at: 2018-07-10 15:17:32  
Local clock offset: 0.254 ms  
Remote clock offset: -2.509 ms

# Below is generated by plot.py at 2018-07-10 16:01:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 45.40 Mbit/s  
95th percentile per-packet one-way delay: 75.069 ms  
Loss rate: 0.85%  
-- Flow 1:  
Average throughput: 45.40 Mbit/s  
95th percentile per-packet one-way delay: 75.069 ms  
Loss rate: 0.85%



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



Run 10: Statistics of TCP Cubic

Start at: 2018-07-10 15:39:20

End at: 2018-07-10 15:39:50

Local clock offset: 0.351 ms

Remote clock offset: 9.103 ms

# Below is generated by plot.py at 2018-07-10 16:01:22

# Datalink statistics

-- Total of 1 flow:

Average throughput: 43.35 Mbit/s

95th percentile per-packet one-way delay: 69.851 ms

Loss rate: 0.72%

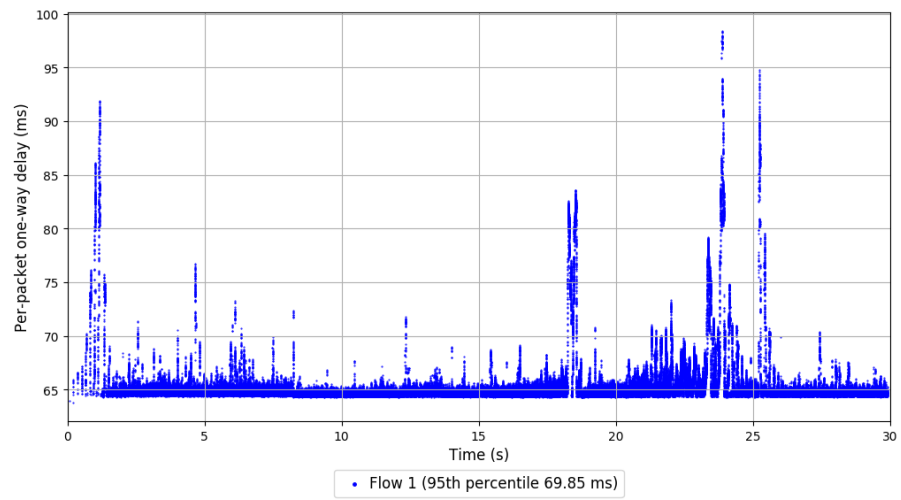
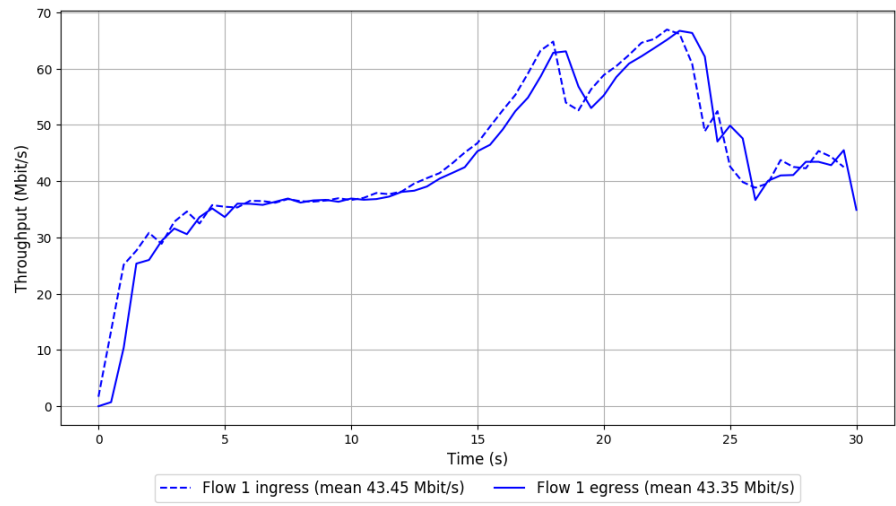
-- Flow 1:

Average throughput: 43.35 Mbit/s

95th percentile per-packet one-way delay: 69.851 ms

Loss rate: 0.72%

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

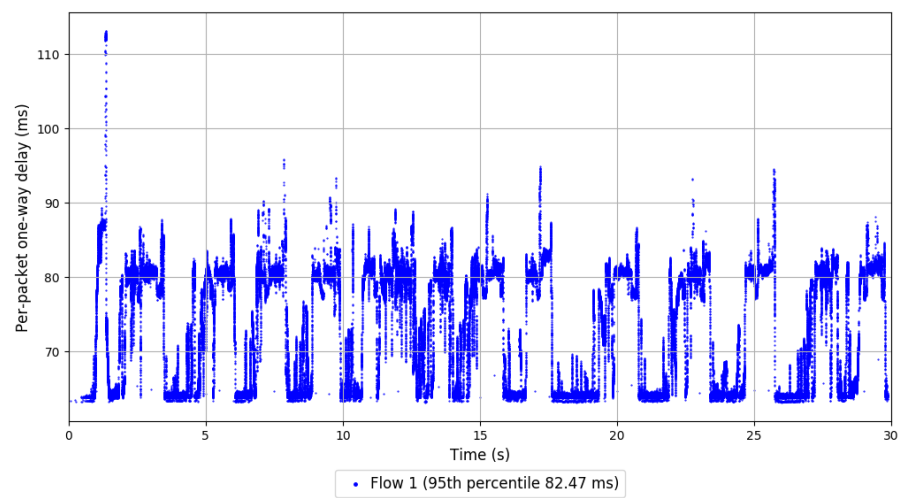
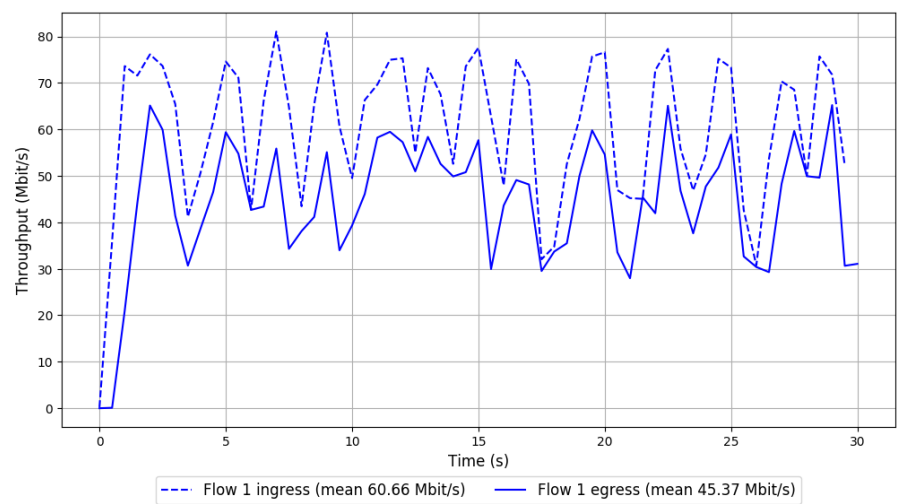


Run 1: Statistics of FillP

Start at: 2018-07-10 12:26:58  
End at: 2018-07-10 12:27:28  
Local clock offset: -1.103 ms  
Remote clock offset: -2.986 ms

# Below is generated by plot.py at 2018-07-10 16:01:37  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 45.37 Mbit/s  
95th percentile per-packet one-way delay: 82.474 ms  
Loss rate: 25.58%  
-- Flow 1:  
Average throughput: 45.37 Mbit/s  
95th percentile per-packet one-way delay: 82.474 ms  
Loss rate: 25.58%

Run 1: Report of FillP — Data Link

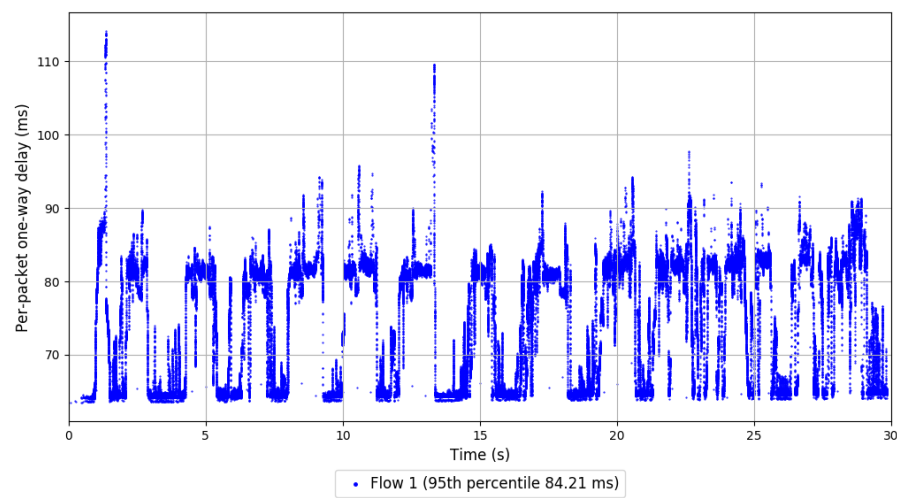
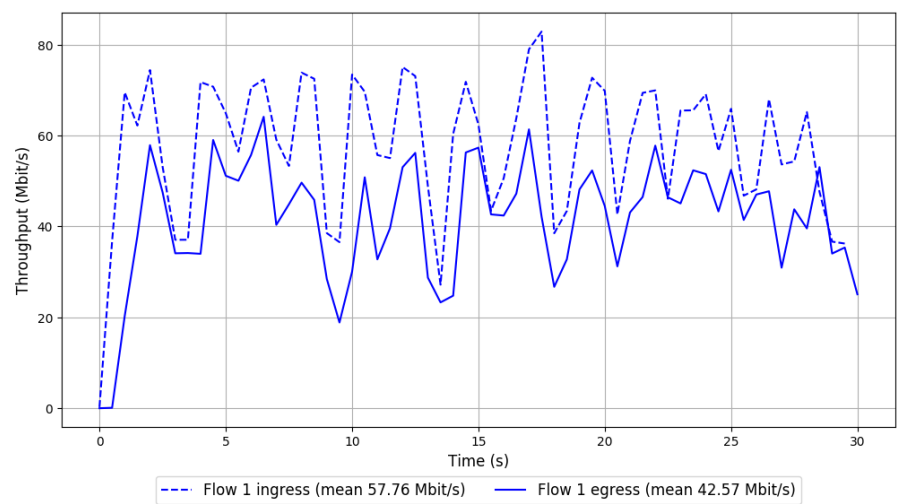


Run 2: Statistics of FillP

Start at: 2018-07-10 12:49:12  
End at: 2018-07-10 12:49:42  
Local clock offset: -1.099 ms  
Remote clock offset: 37.981 ms

# Below is generated by plot.py at 2018-07-10 16:01:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 42.57 Mbit/s  
95th percentile per-packet one-way delay: 84.214 ms  
Loss rate: 26.67%  
-- Flow 1:  
Average throughput: 42.57 Mbit/s  
95th percentile per-packet one-way delay: 84.214 ms  
Loss rate: 26.67%

Run 2: Report of FillP — Data Link



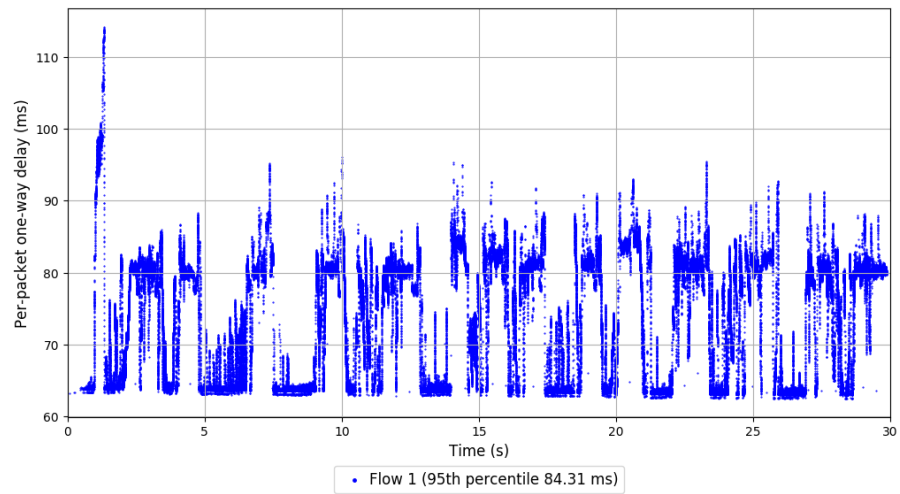
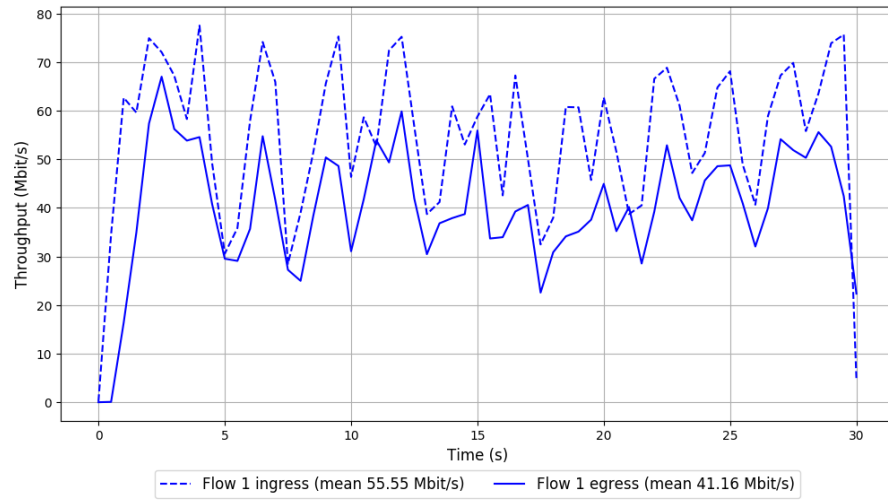
Run 3: Statistics of FillP

Start at: 2018-07-10 13:11:27  
End at: 2018-07-10 13:11:57  
Local clock offset: -0.71 ms  
Remote clock offset: 15.362 ms

# Below is generated by plot.py at 2018-07-10 16:01:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 41.16 Mbit/s  
95th percentile per-packet one-way delay: 84.311 ms  
Loss rate: 26.49%  
-- Flow 1:  
Average throughput: 41.16 Mbit/s  
95th percentile per-packet one-way delay: 84.311 ms  
Loss rate: 26.49%



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

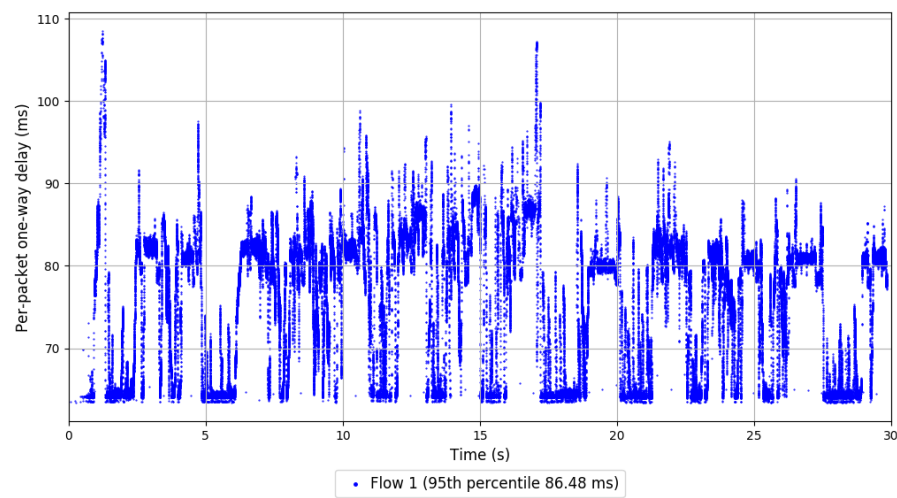
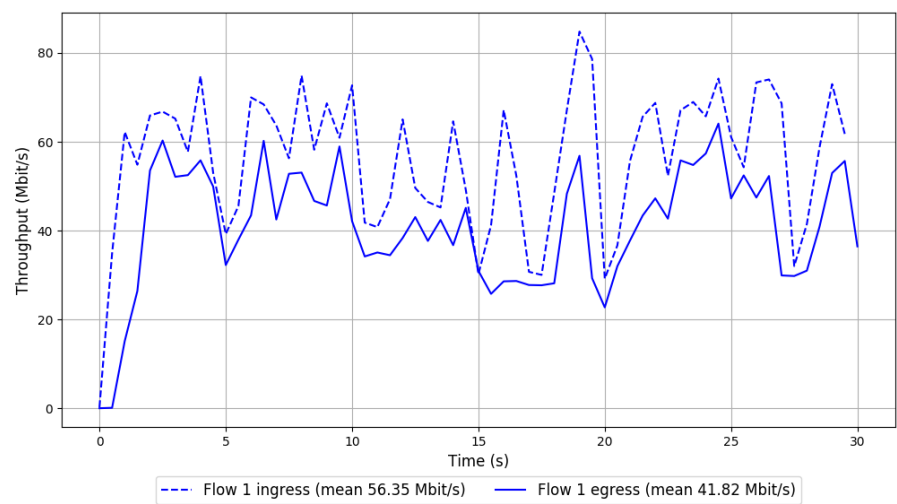


Run 4: Statistics of FillP

Start at: 2018-07-10 13:33:40  
End at: 2018-07-10 13:34:10  
Local clock offset: -0.528 ms  
Remote clock offset: -0.405 ms

# Below is generated by plot.py at 2018-07-10 16:01:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 41.82 Mbit/s  
95th percentile per-packet one-way delay: 86.485 ms  
Loss rate: 26.15%  
-- Flow 1:  
Average throughput: 41.82 Mbit/s  
95th percentile per-packet one-way delay: 86.485 ms  
Loss rate: 26.15%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-10 13:55:51

End at: 2018-07-10 13:56:21

Local clock offset: -0.204 ms

Remote clock offset: 9.714 ms

# Below is generated by plot.py at 2018-07-10 16:01:52

# Datalink statistics

-- Total of 1 flow:

Average throughput: 45.97 Mbit/s

95th percentile per-packet one-way delay: 83.572 ms

Loss rate: 22.86%

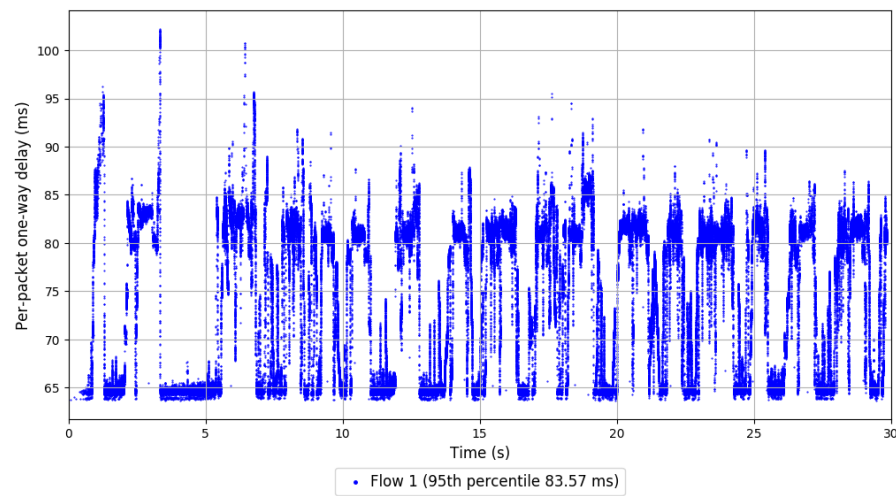
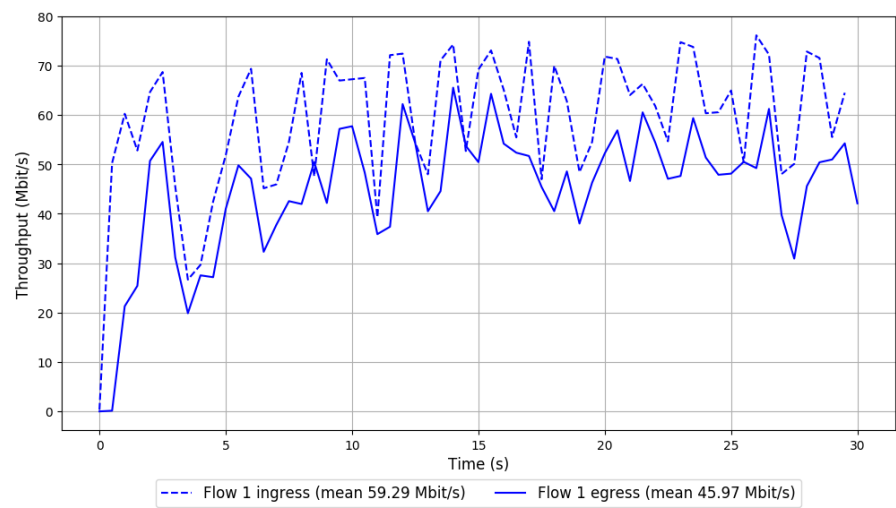
-- Flow 1:

Average throughput: 45.97 Mbit/s

95th percentile per-packet one-way delay: 83.572 ms

Loss rate: 22.86%

Run 5: Report of FillP — Data Link

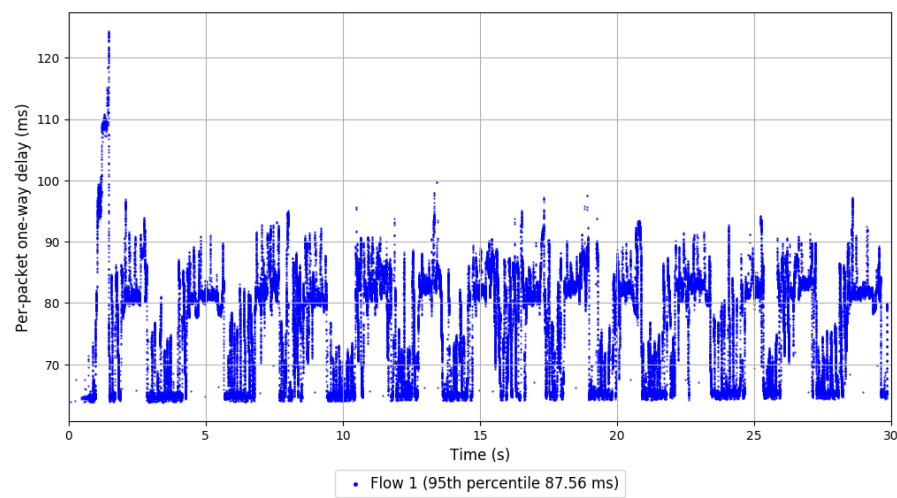
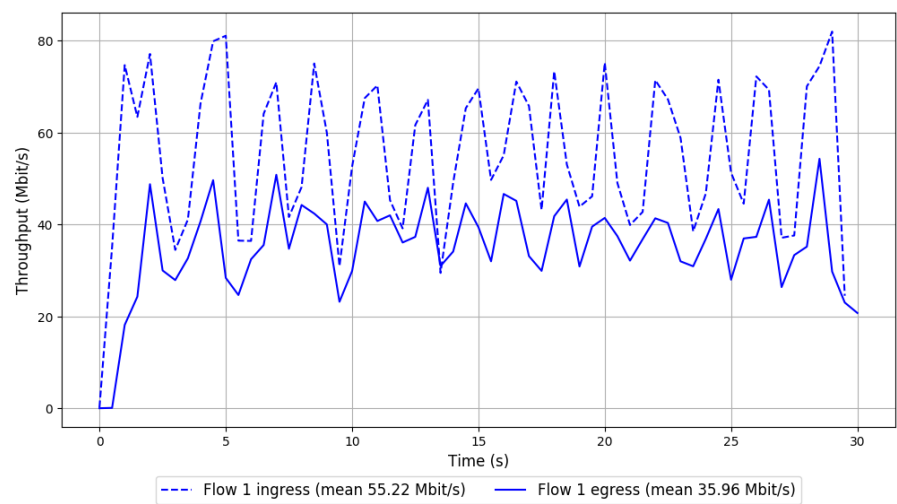


Run 6: Statistics of FillP

Start at: 2018-07-10 14:18:04  
End at: 2018-07-10 14:18:34  
Local clock offset: -0.285 ms  
Remote clock offset: 26.065 ms

# Below is generated by plot.py at 2018-07-10 16:01:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 35.96 Mbit/s  
95th percentile per-packet one-way delay: 87.555 ms  
Loss rate: 35.23%  
-- Flow 1:  
Average throughput: 35.96 Mbit/s  
95th percentile per-packet one-way delay: 87.555 ms  
Loss rate: 35.23%

Run 6: Report of FillP — Data Link



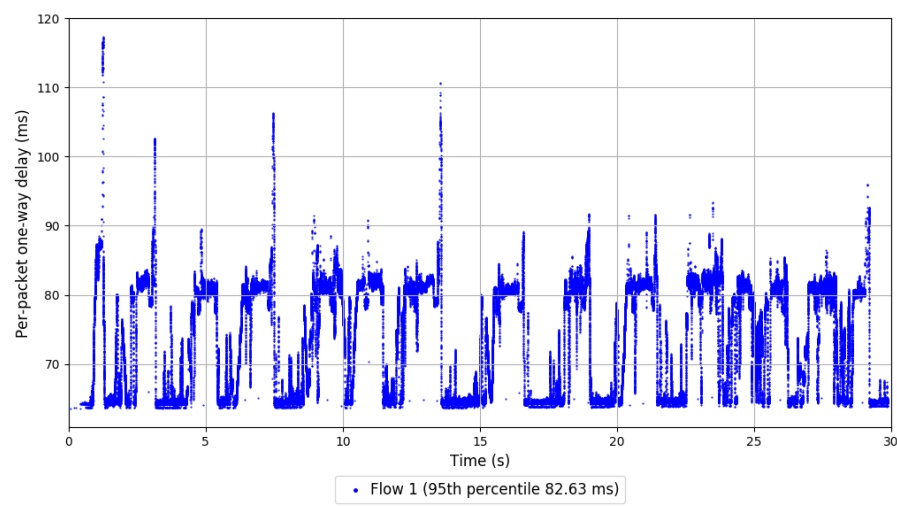
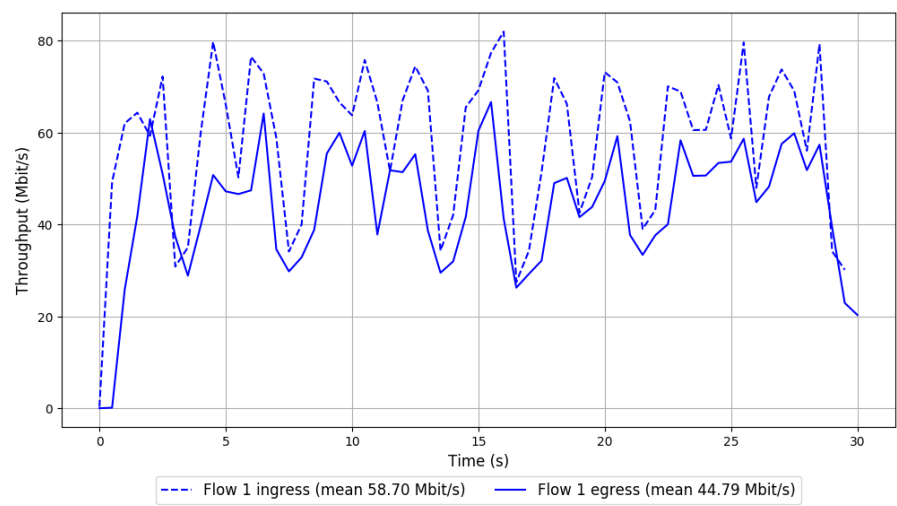
Run 7: Statistics of FillP

Start at: 2018-07-10 14:40:17  
End at: 2018-07-10 14:40:47  
Local clock offset: 0.01 ms  
Remote clock offset: 41.142 ms

# Below is generated by plot.py at 2018-07-10 16:02:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 44.79 Mbit/s  
95th percentile per-packet one-way delay: 82.630 ms  
Loss rate: 24.08%  
-- Flow 1:  
Average throughput: 44.79 Mbit/s  
95th percentile per-packet one-way delay: 82.630 ms  
Loss rate: 24.08%



Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-10 15:02:31

End at: 2018-07-10 15:03:01

Local clock offset: 0.235 ms

Remote clock offset: 6.251 ms

# Below is generated by plot.py at 2018-07-10 16:02:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 47.67 Mbit/s

95th percentile per-packet one-way delay: 81.834 ms

Loss rate: 21.96%

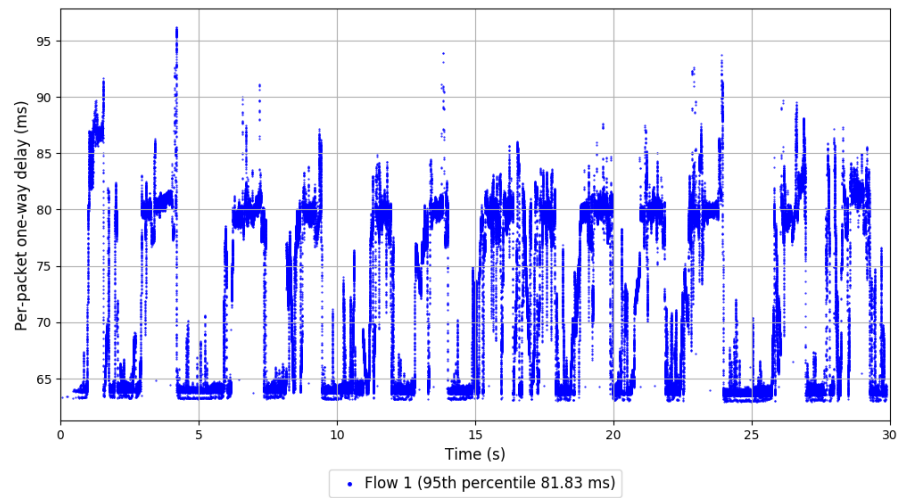
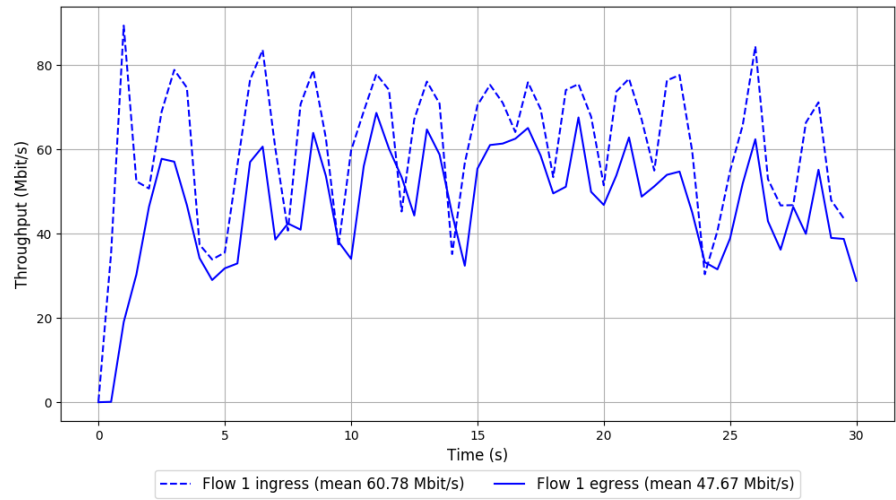
-- Flow 1:

Average throughput: 47.67 Mbit/s

95th percentile per-packet one-way delay: 81.834 ms

Loss rate: 21.96%

## Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-10 15:24:49

End at: 2018-07-10 15:25:19

Local clock offset: 0.216 ms

Remote clock offset: 4.772 ms

# Below is generated by plot.py at 2018-07-10 16:02:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 48.37 Mbit/s

95th percentile per-packet one-way delay: 83.834 ms

Loss rate: 21.96%

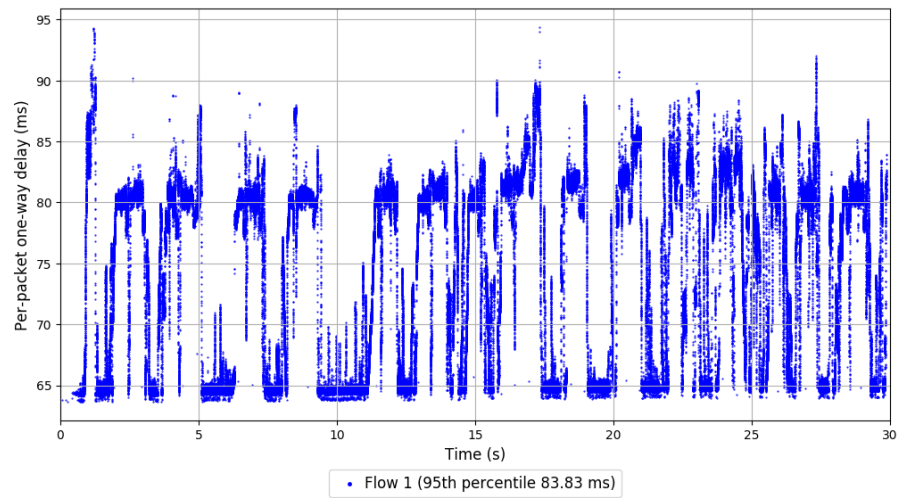
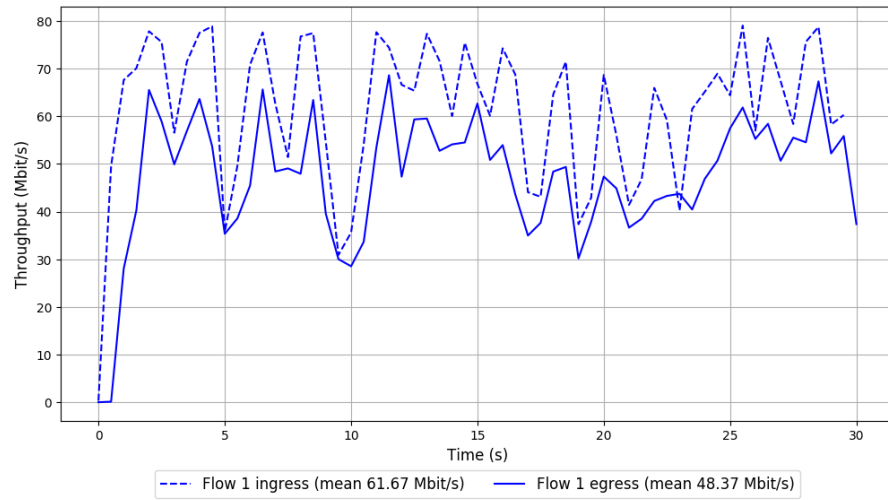
-- Flow 1:

Average throughput: 48.37 Mbit/s

95th percentile per-packet one-way delay: 83.834 ms

Loss rate: 21.96%

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



Run 10: Statistics of FillP

Start at: 2018-07-10 15:47:07

End at: 2018-07-10 15:47:37

Local clock offset: 0.077 ms

Remote clock offset: 8.882 ms

# Below is generated by plot.py at 2018-07-10 16:02:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 46.70 Mbit/s

95th percentile per-packet one-way delay: 83.187 ms

Loss rate: 24.44%

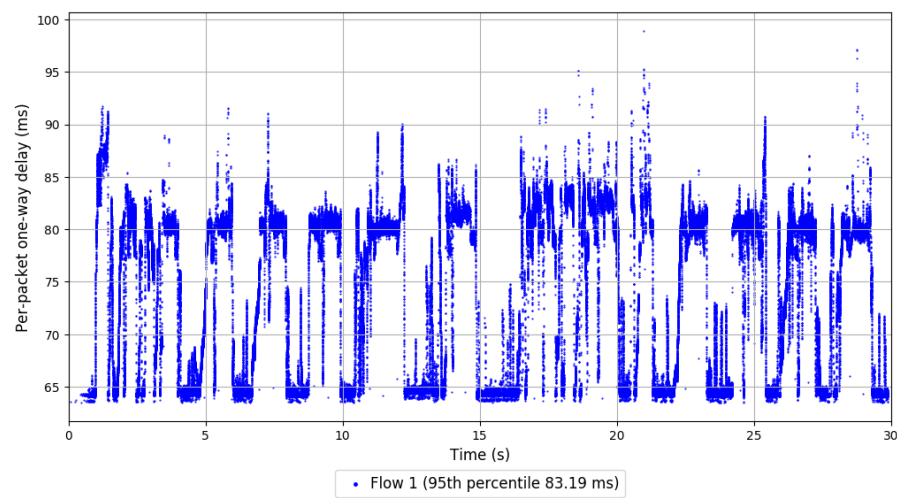
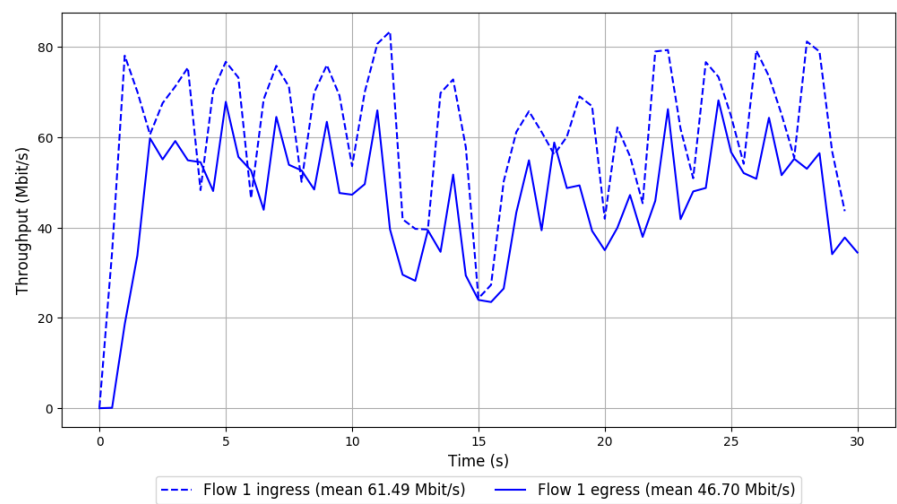
-- Flow 1:

Average throughput: 46.70 Mbit/s

95th percentile per-packet one-way delay: 83.187 ms

Loss rate: 24.44%

Run 10: Report of FillP — Data Link



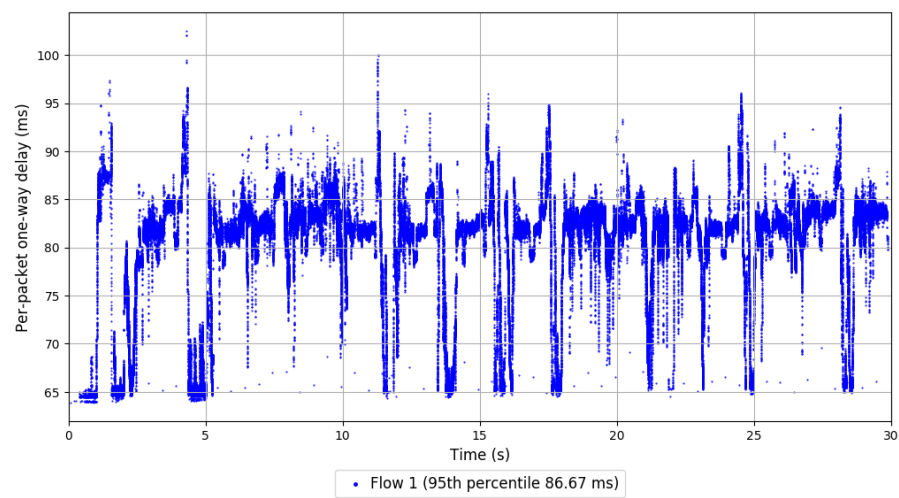
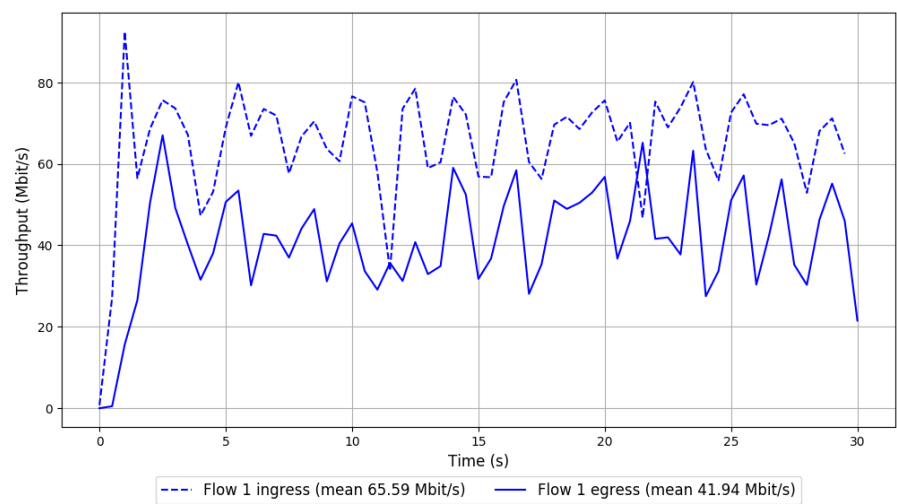
Run 1: Statistics of FillP-Sheep

Start at: 2018-07-10 12:34:52  
End at: 2018-07-10 12:35:22  
Local clock offset: -0.862 ms  
Remote clock offset: 18.966 ms

# Below is generated by plot.py at 2018-07-10 16:02:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 41.94 Mbit/s  
95th percentile per-packet one-way delay: 86.674 ms  
Loss rate: 36.37%  
-- Flow 1:  
Average throughput: 41.94 Mbit/s  
95th percentile per-packet one-way delay: 86.674 ms  
Loss rate: 36.37%



Run 1: Report of FillP-Sheep — Data Link

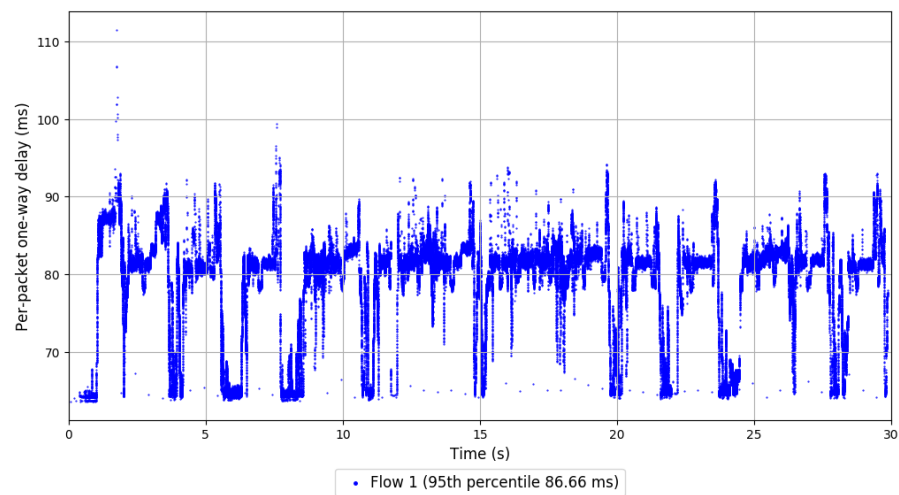
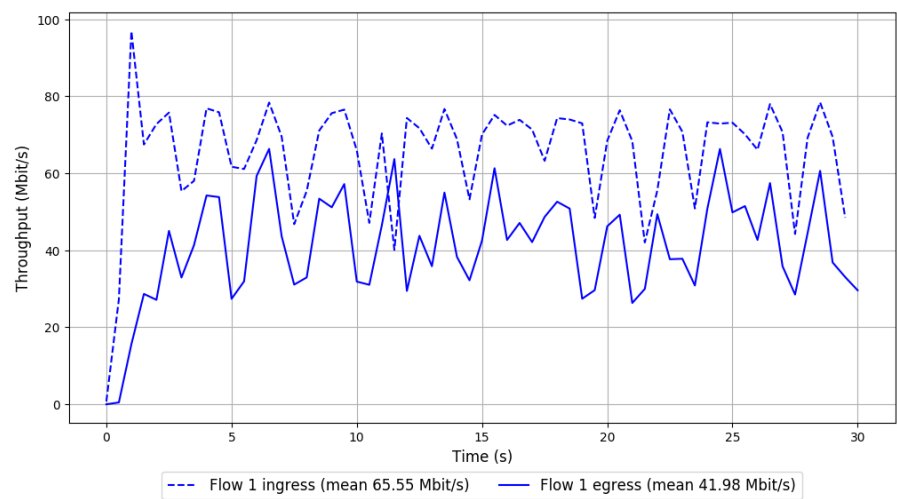


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-10 12:57:08  
End at: 2018-07-10 12:57:38  
Local clock offset: -0.991 ms  
Remote clock offset: 44.305 ms

# Below is generated by plot.py at 2018-07-10 16:02:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 41.98 Mbit/s  
95th percentile per-packet one-way delay: 86.657 ms  
Loss rate: 36.28%  
-- Flow 1:  
Average throughput: 41.98 Mbit/s  
95th percentile per-packet one-way delay: 86.657 ms  
Loss rate: 36.28%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-10 13:19:21

End at: 2018-07-10 13:19:51

Local clock offset: -0.861 ms

Remote clock offset: 5.553 ms

# Below is generated by plot.py at 2018-07-10 16:02:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 39.33 Mbit/s

95th percentile per-packet one-way delay: 85.803 ms

Loss rate: 38.79%

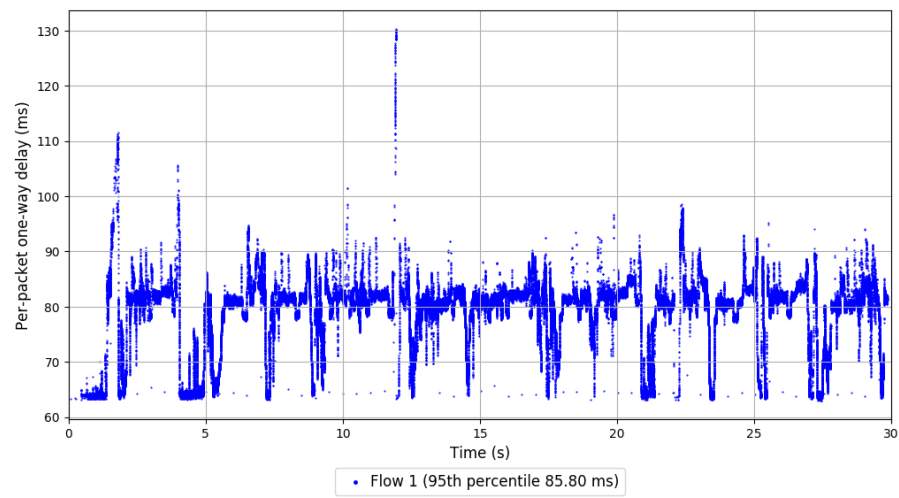
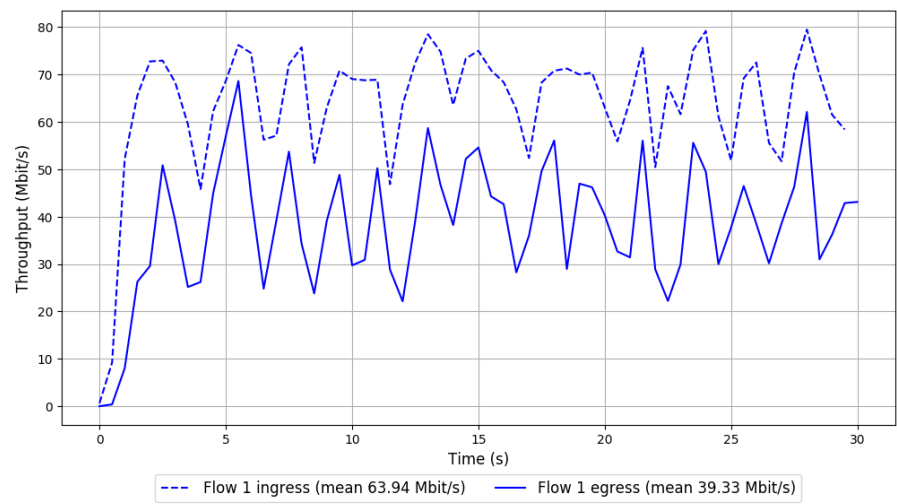
-- Flow 1:

Average throughput: 39.33 Mbit/s

95th percentile per-packet one-way delay: 85.803 ms

Loss rate: 38.79%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-10 13:41:33

End at: 2018-07-10 13:42:03

Local clock offset: -0.604 ms

Remote clock offset: 4.295 ms

# Below is generated by plot.py at 2018-07-10 16:02:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 36.62 Mbit/s

95th percentile per-packet one-way delay: 87.237 ms

Loss rate: 43.51%

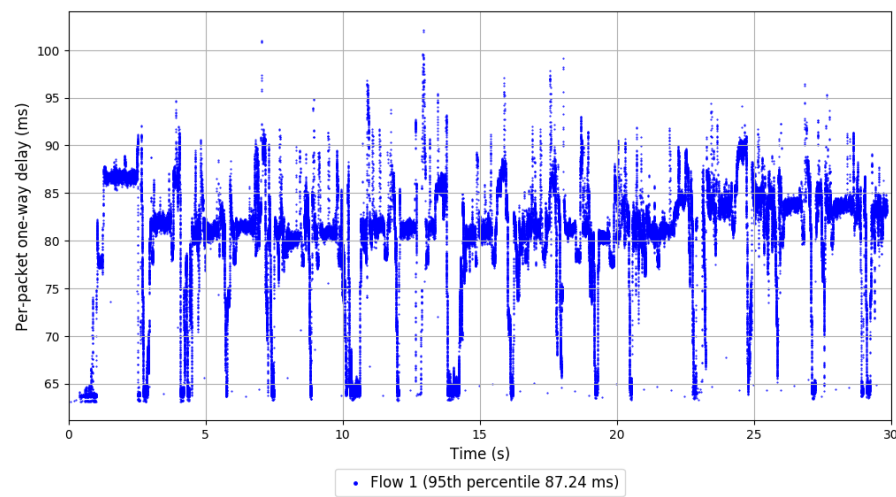
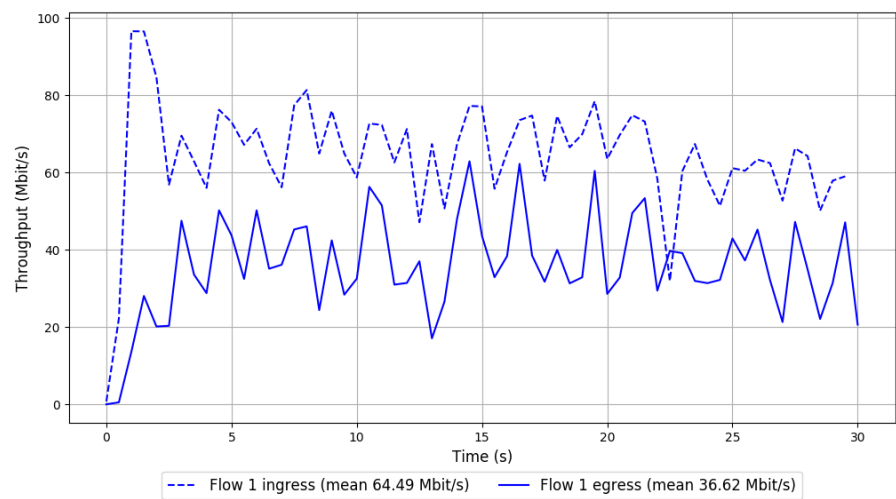
-- Flow 1:

Average throughput: 36.62 Mbit/s

95th percentile per-packet one-way delay: 87.237 ms

Loss rate: 43.51%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-10 14:03:44

End at: 2018-07-10 14:04:14

Local clock offset: -0.289 ms

Remote clock offset: 11.203 ms

# Below is generated by plot.py at 2018-07-10 16:02:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 42.24 Mbit/s

95th percentile per-packet one-way delay: 85.995 ms

Loss rate: 34.19%

-- Flow 1:

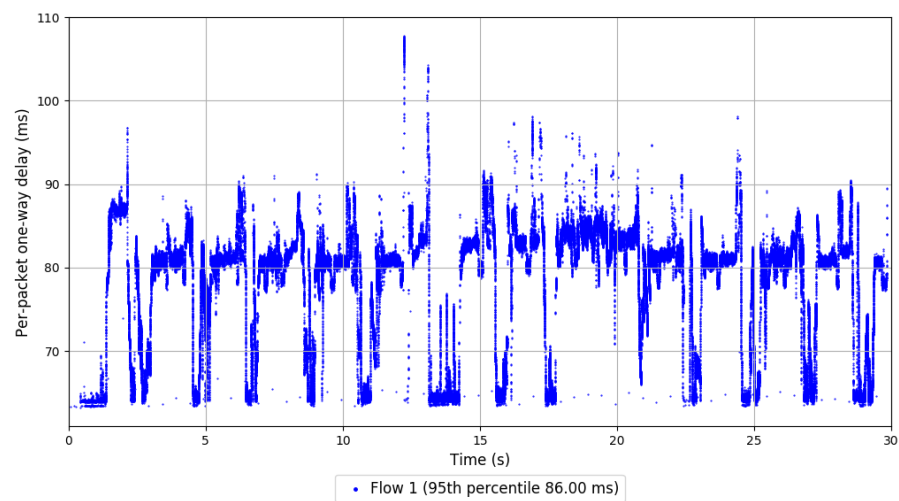
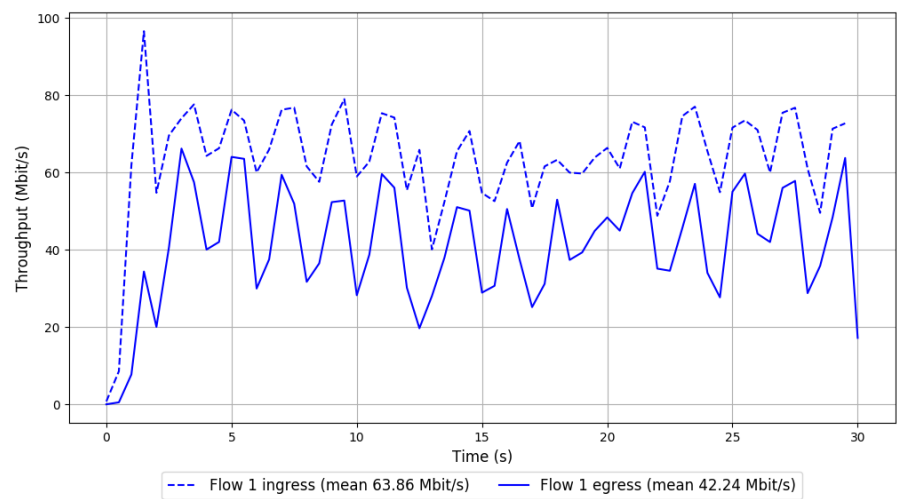
Average throughput: 42.24 Mbit/s

95th percentile per-packet one-way delay: 85.995 ms

Loss rate: 34.19%



Run 5: Report of FillP-Sheep — Data Link

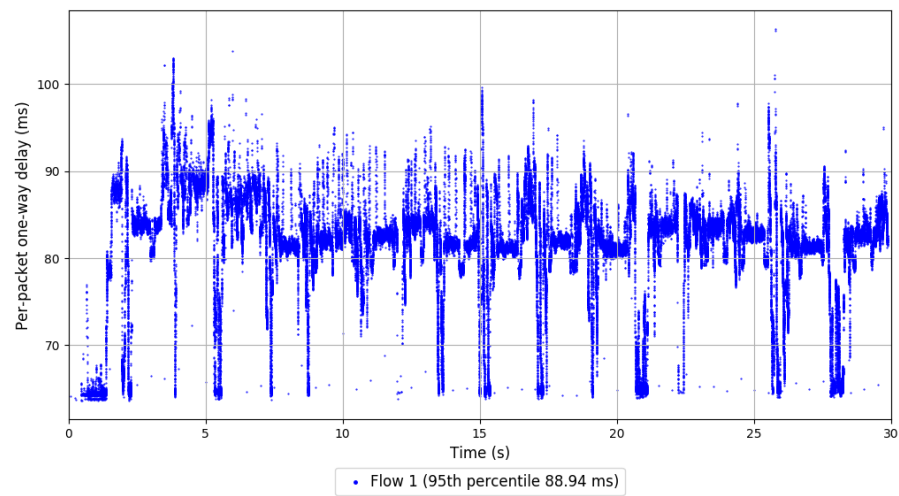
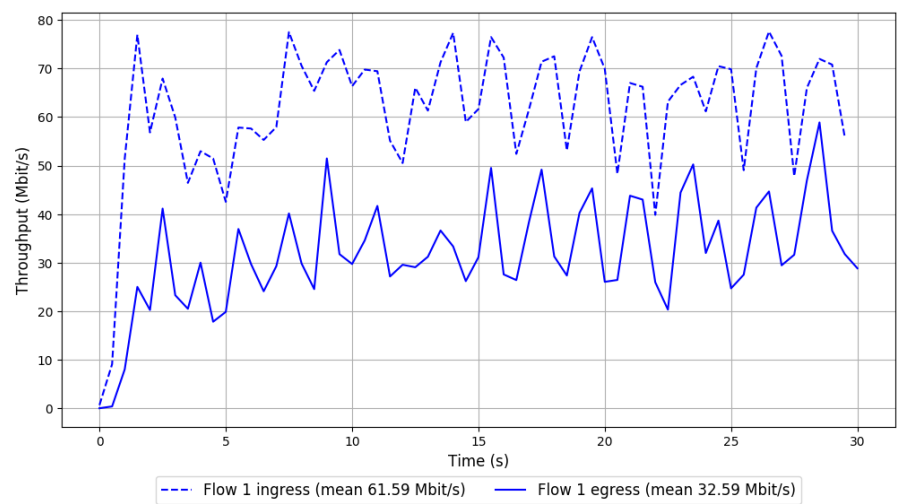


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-10 14:25:57  
End at: 2018-07-10 14:26:28  
Local clock offset: -0.176 ms  
Remote clock offset: 33.457 ms

# Below is generated by plot.py at 2018-07-10 16:02:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 32.59 Mbit/s  
95th percentile per-packet one-way delay: 88.942 ms  
Loss rate: 47.35%  
-- Flow 1:  
Average throughput: 32.59 Mbit/s  
95th percentile per-packet one-way delay: 88.942 ms  
Loss rate: 47.35%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-07-10 14:48:11

End at: 2018-07-10 14:48:41

Local clock offset: 0.15 ms

Remote clock offset: 28.48 ms

# Below is generated by plot.py at 2018-07-10 16:03:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 46.69 Mbit/s

95th percentile per-packet one-way delay: 83.516 ms

Loss rate: 31.60%

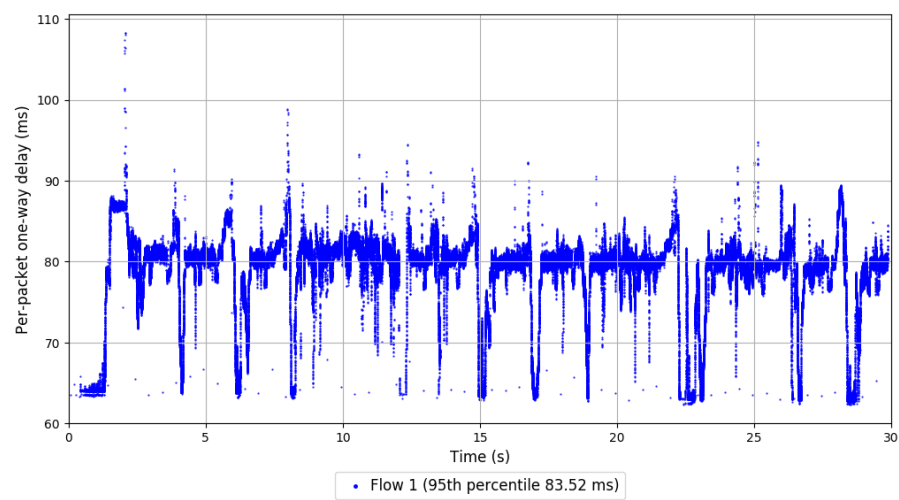
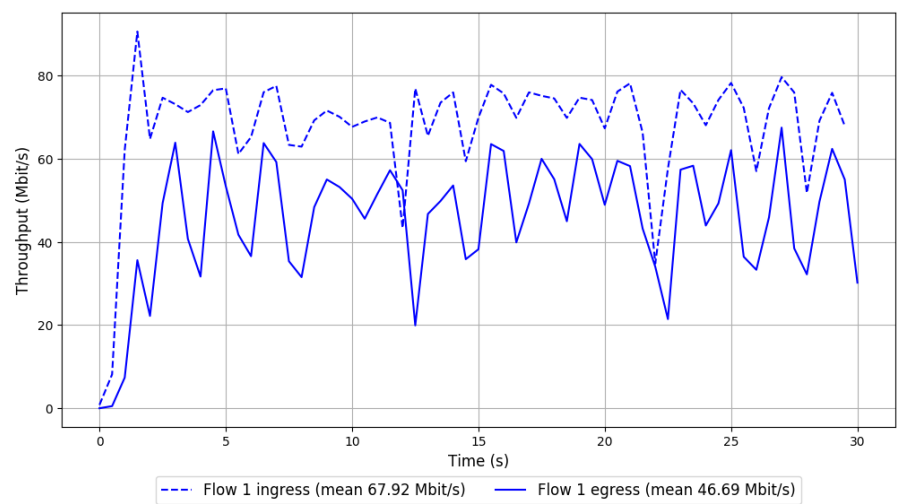
-- Flow 1:

Average throughput: 46.69 Mbit/s

95th percentile per-packet one-way delay: 83.516 ms

Loss rate: 31.60%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-10 15:10:28

End at: 2018-07-10 15:10:58

Local clock offset: 0.4 ms

Remote clock offset: 0.777 ms

# Below is generated by plot.py at 2018-07-10 16:03:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 50.15 Mbit/s

95th percentile per-packet one-way delay: 83.024 ms

Loss rate: 29.20%

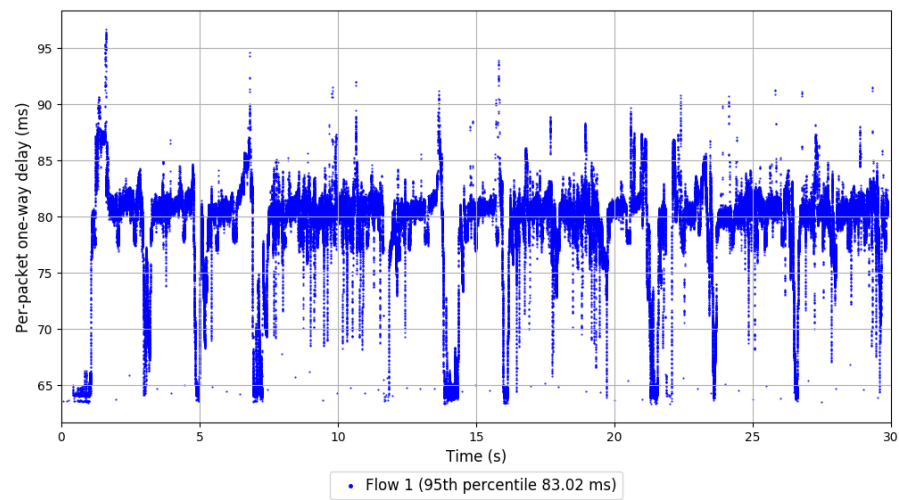
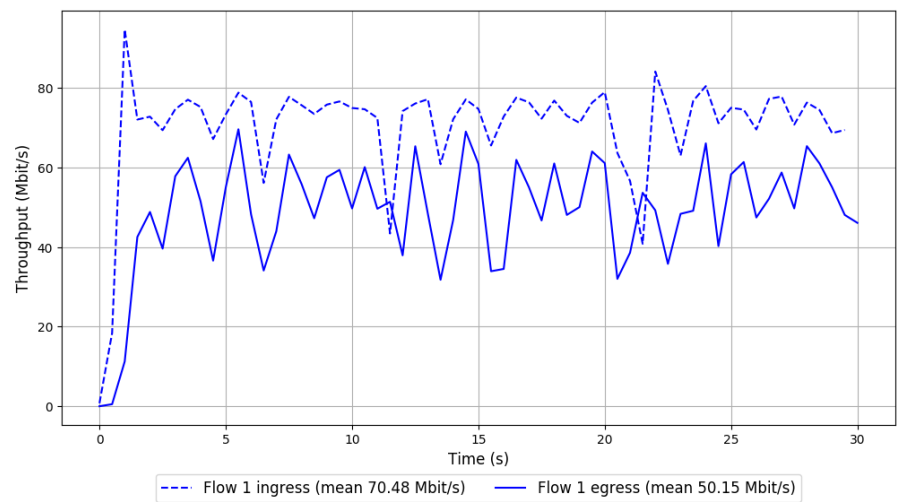
-- Flow 1:

Average throughput: 50.15 Mbit/s

95th percentile per-packet one-way delay: 83.024 ms

Loss rate: 29.20%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-10 15:32:44

End at: 2018-07-10 15:33:14

Local clock offset: 0.143 ms

Remote clock offset: 8.324 ms

# Below is generated by plot.py at 2018-07-10 16:03:18

# Datalink statistics

-- Total of 1 flow:

Average throughput: 49.27 Mbit/s

95th percentile per-packet one-way delay: 83.342 ms

Loss rate: 31.77%

-- Flow 1:

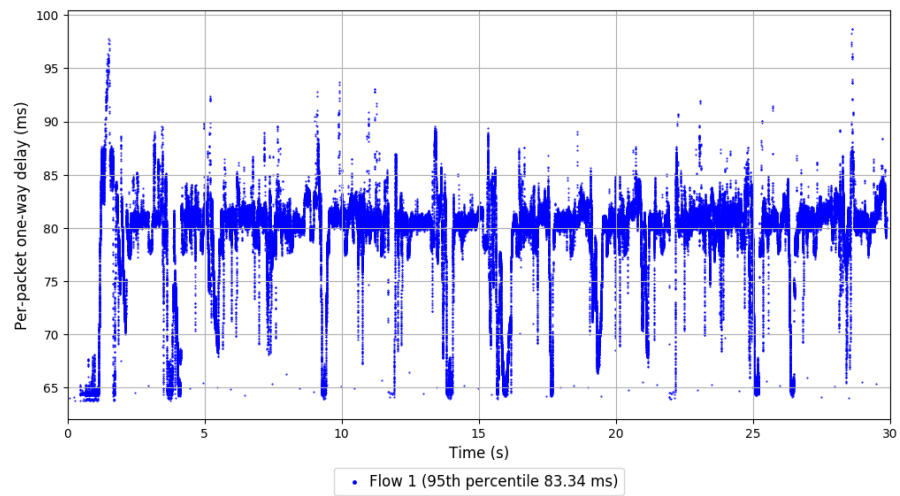
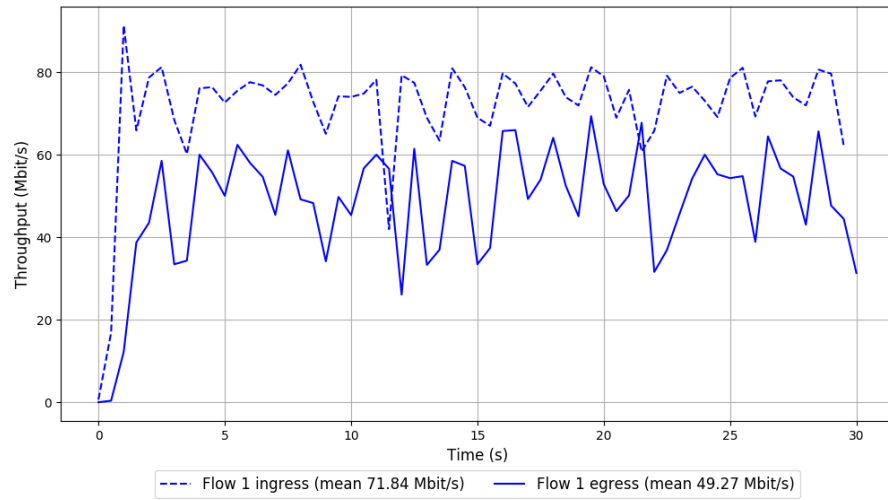
Average throughput: 49.27 Mbit/s

95th percentile per-packet one-way delay: 83.342 ms

Loss rate: 31.77%



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



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-10 15:55:00

End at: 2018-07-10 15:55:30

Local clock offset: 0.203 ms

Remote clock offset: 5.749 ms

# Below is generated by plot.py at 2018-07-10 16:03:18

# Datalink statistics

-- Total of 1 flow:

Average throughput: 44.69 Mbit/s

95th percentile per-packet one-way delay: 85.415 ms

Loss rate: 33.72%

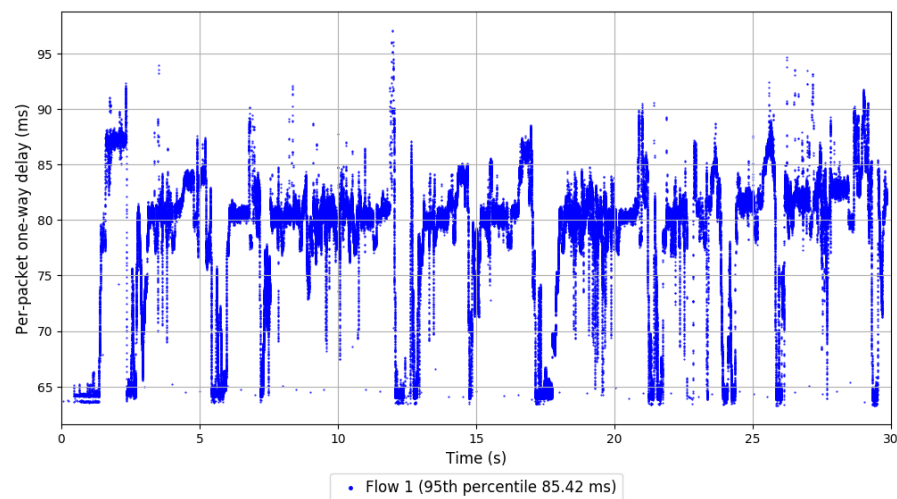
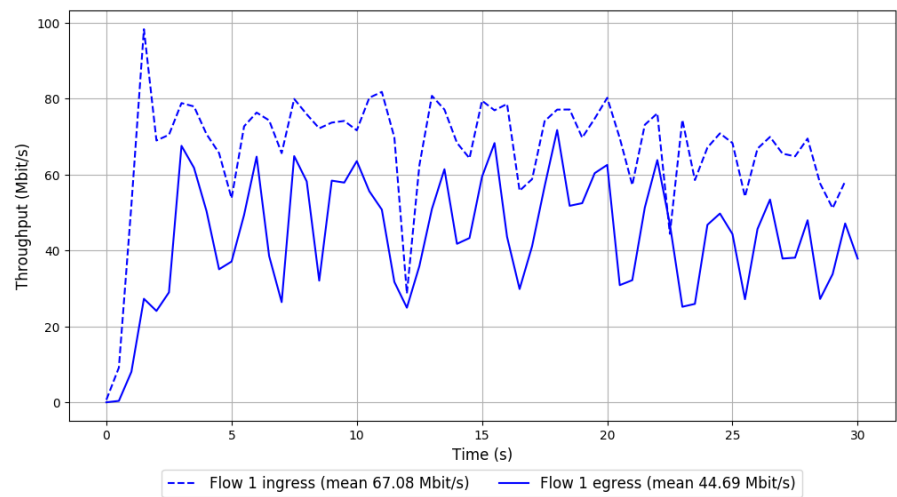
-- Flow 1:

Average throughput: 44.69 Mbit/s

95th percentile per-packet one-way delay: 85.415 ms

Loss rate: 33.72%

Run 10: Report of FillP-Sheep — Data Link

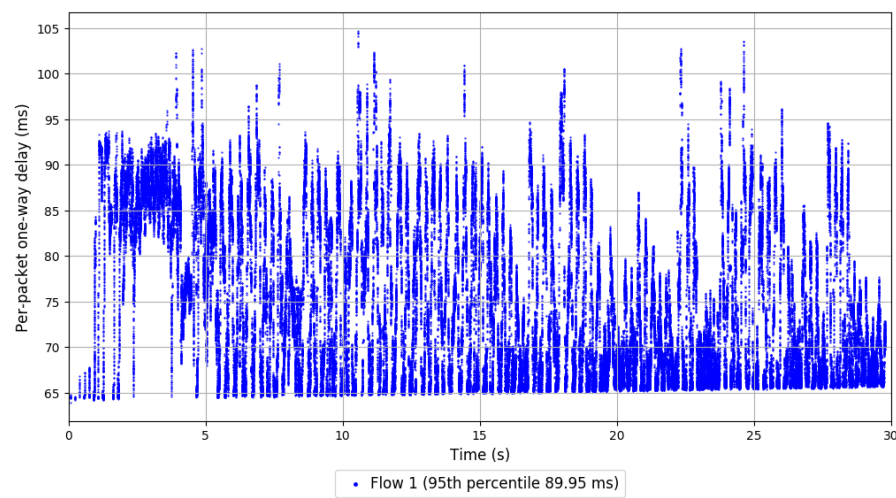
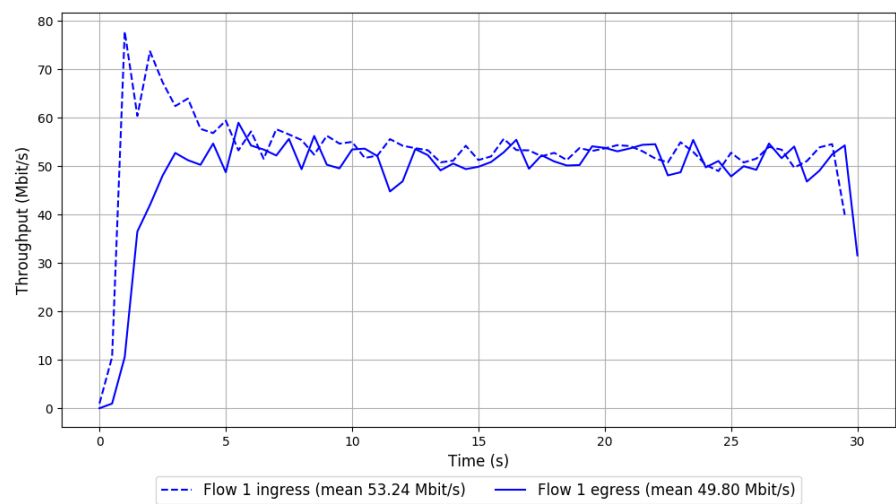


```
Run 1: Statistics of Indigo

Start at: 2018-07-10 12:30:57
End at: 2018-07-10 12:31:27
Local clock offset: -0.962 ms
Remote clock offset: 9.071 ms

# Below is generated by plot.py at 2018-07-10 16:03:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.80 Mbit/s
95th percentile per-packet one-way delay: 89.954 ms
Loss rate: 6.93%
-- Flow 1:
Average throughput: 49.80 Mbit/s
95th percentile per-packet one-way delay: 89.954 ms
Loss rate: 6.93%
```

Run 1: Report of Indigo — Data Link

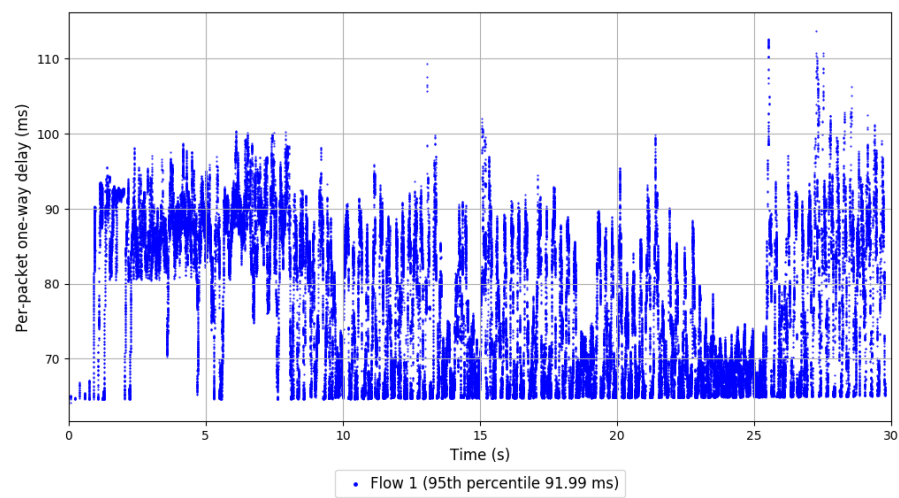
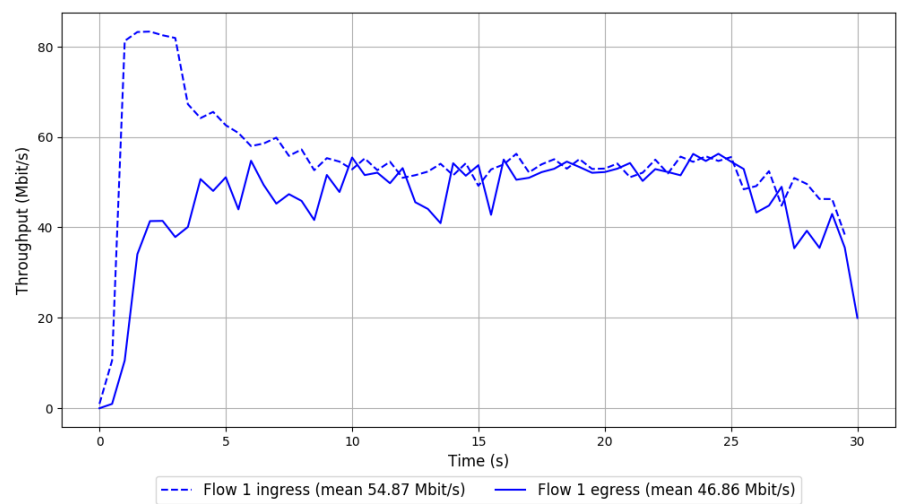


Run 2: Statistics of Indigo

Start at: 2018-07-10 12:53:12  
End at: 2018-07-10 12:53:42  
Local clock offset: -0.85 ms  
Remote clock offset: 41.323 ms

# Below is generated by plot.py at 2018-07-10 16:03:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 46.86 Mbit/s  
95th percentile per-packet one-way delay: 91.991 ms  
Loss rate: 15.03%  
-- Flow 1:  
Average throughput: 46.86 Mbit/s  
95th percentile per-packet one-way delay: 91.991 ms  
Loss rate: 15.03%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-10 13:15:26

End at: 2018-07-10 13:15:56

Local clock offset: -0.708 ms

Remote clock offset: 9.405 ms

# Below is generated by plot.py at 2018-07-10 16:03:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 45.05 Mbit/s

95th percentile per-packet one-way delay: 92.781 ms

Loss rate: 34.38%

-- Flow 1:

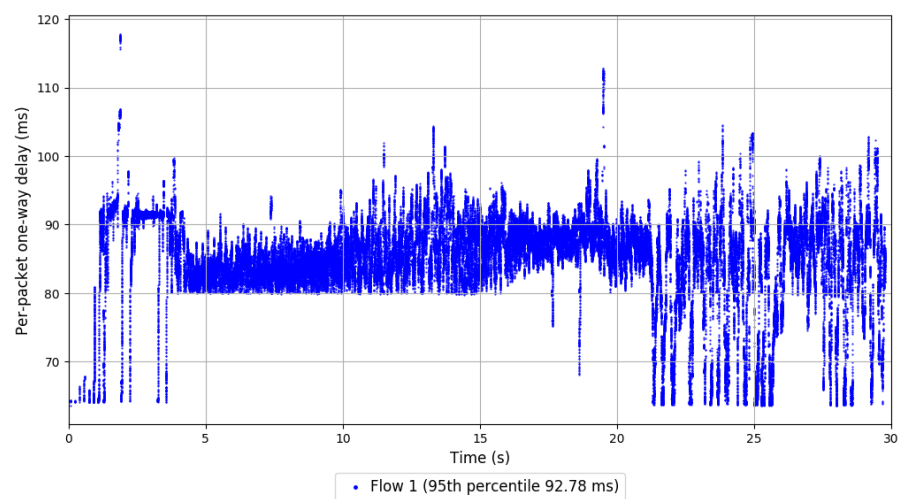
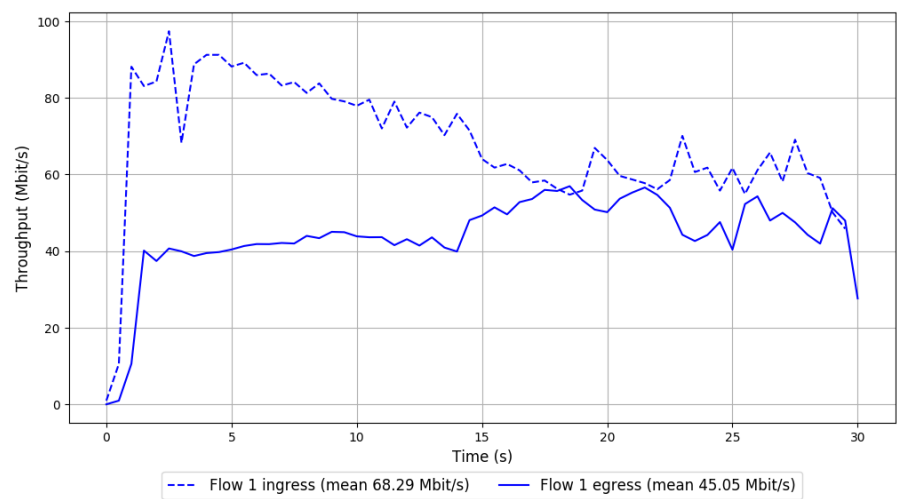
Average throughput: 45.05 Mbit/s

95th percentile per-packet one-way delay: 92.781 ms

Loss rate: 34.38%



Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-10 13:37:39

End at: 2018-07-10 13:38:09

Local clock offset: -0.639 ms

Remote clock offset: 0.884 ms

# Below is generated by plot.py at 2018-07-10 16:03:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 43.83 Mbit/s

95th percentile per-packet one-way delay: 90.754 ms

Loss rate: 5.21%

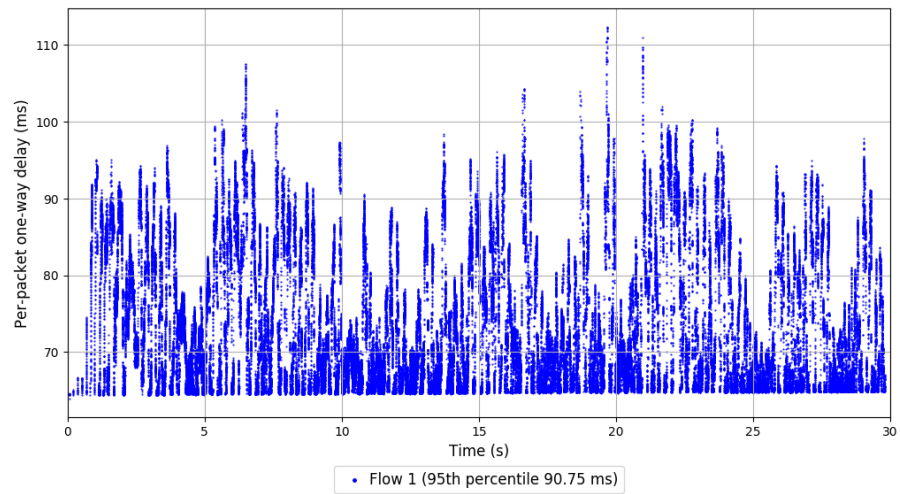
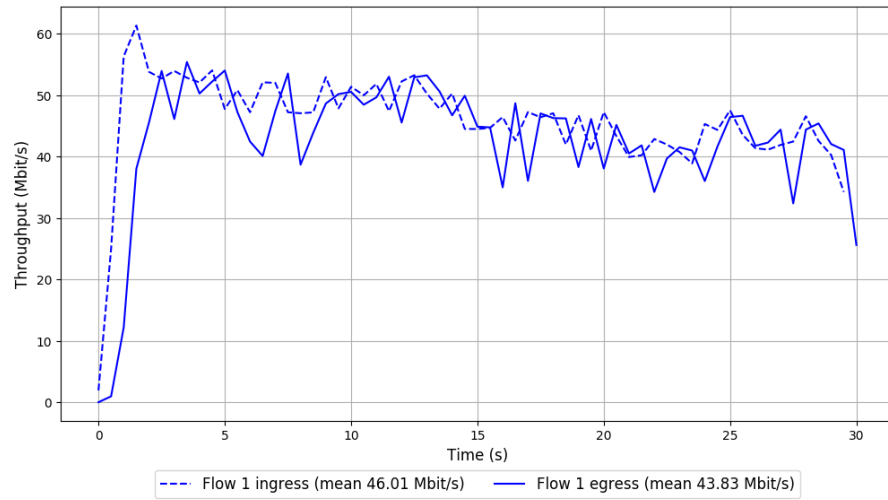
-- Flow 1:

Average throughput: 43.83 Mbit/s

95th percentile per-packet one-way delay: 90.754 ms

Loss rate: 5.21%

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

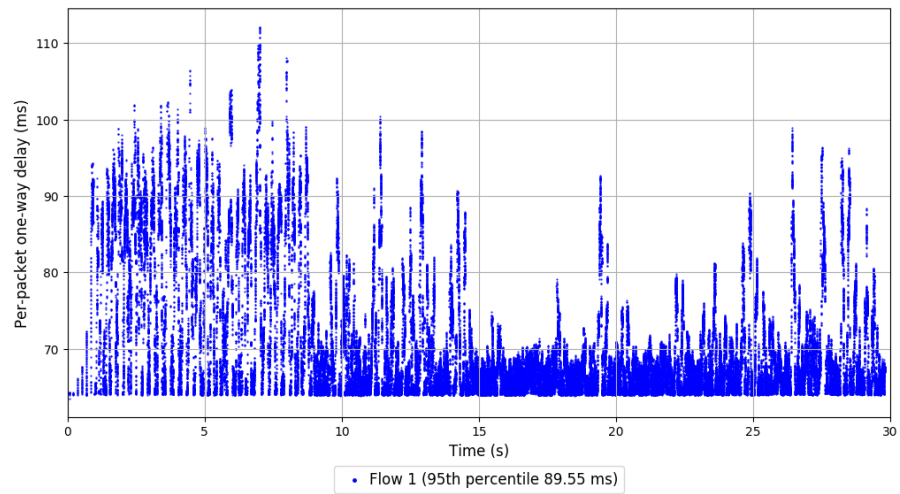
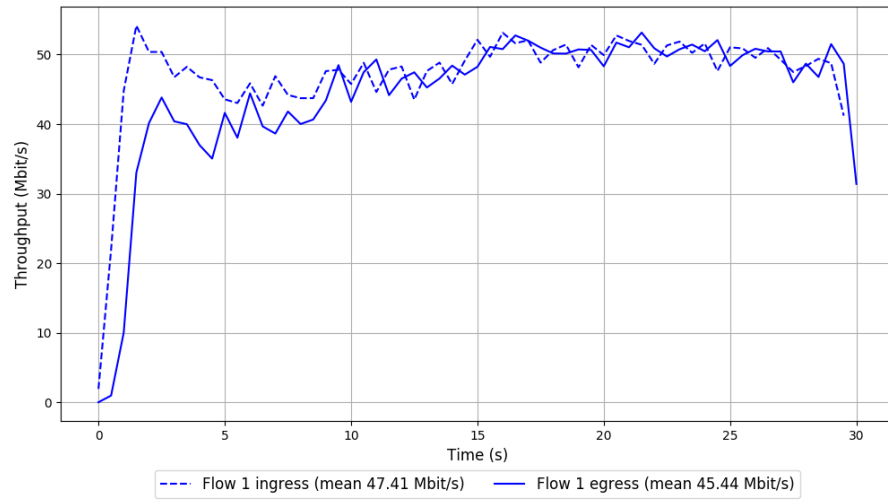


Run 5: Statistics of Indigo

Start at: 2018-07-10 13:59:50  
End at: 2018-07-10 14:00:20  
Local clock offset: -0.297 ms  
Remote clock offset: 10.522 ms

# Below is generated by plot.py at 2018-07-10 16:03:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 45.44 Mbit/s  
95th percentile per-packet one-way delay: 89.550 ms  
Loss rate: 4.64%  
-- Flow 1:  
Average throughput: 45.44 Mbit/s  
95th percentile per-packet one-way delay: 89.550 ms  
Loss rate: 4.64%

### Run 5: Report of Indigo — Data Link

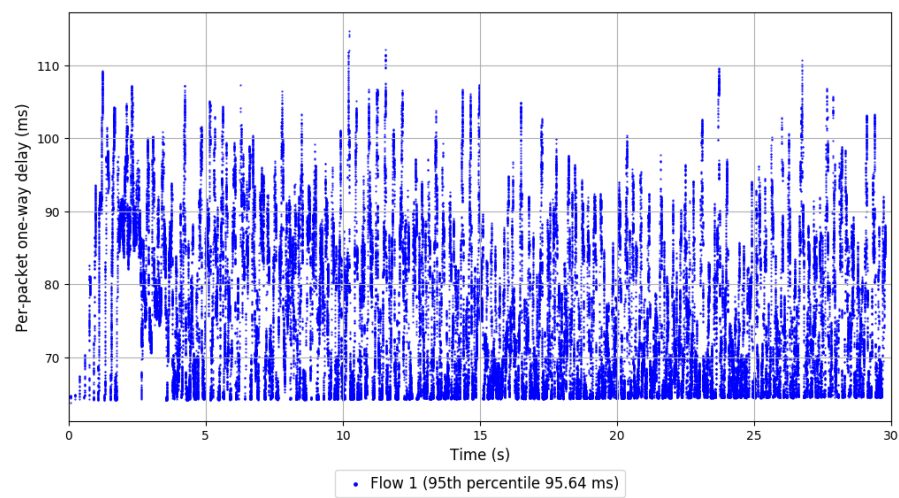
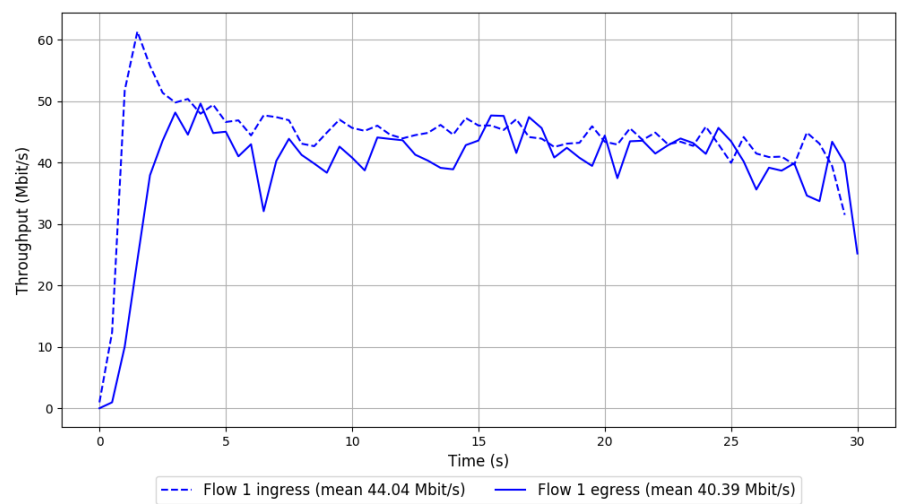


Run 6: Statistics of Indigo

Start at: 2018-07-10 14:22:03  
End at: 2018-07-10 14:22:33  
Local clock offset: -0.377 ms  
Remote clock offset: 30.394 ms

# Below is generated by plot.py at 2018-07-10 16:03:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 40.39 Mbit/s  
95th percentile per-packet one-way delay: 95.635 ms  
Loss rate: 8.74%  
-- Flow 1:  
Average throughput: 40.39 Mbit/s  
95th percentile per-packet one-way delay: 95.635 ms  
Loss rate: 8.74%

Run 6: Report of Indigo — Data Link



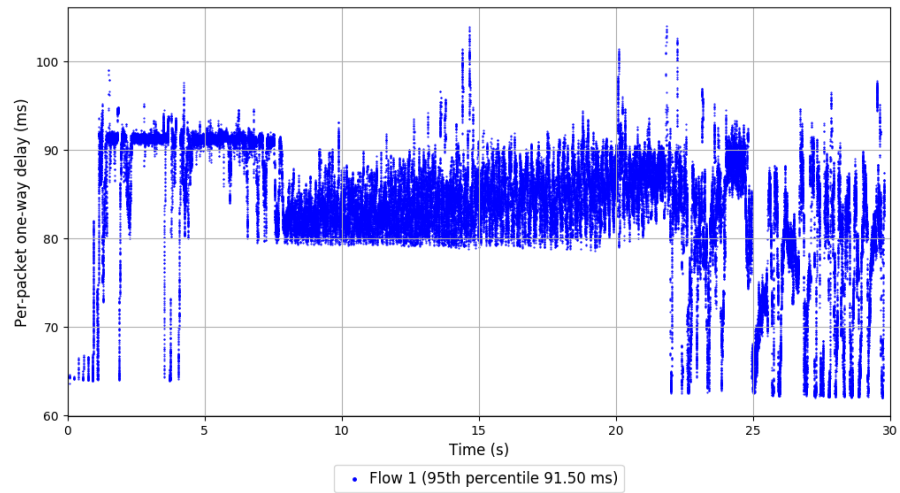
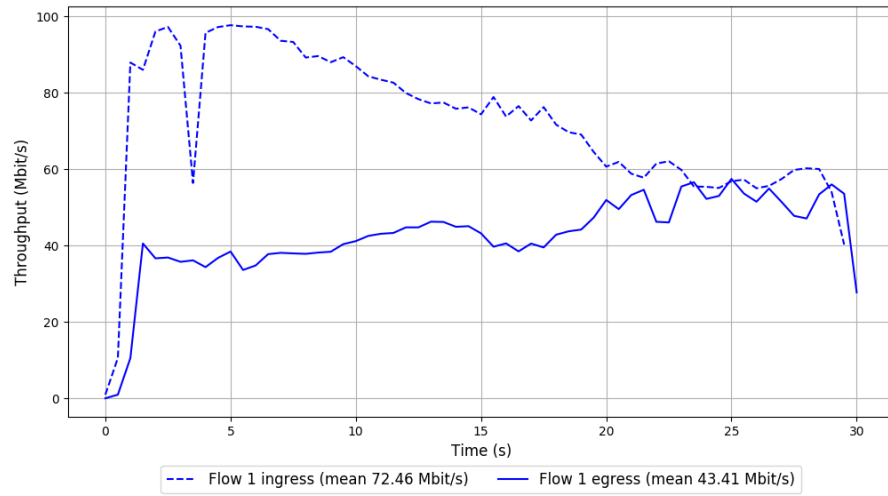
Run 7: Statistics of Indigo

Start at: 2018-07-10 14:44:15  
End at: 2018-07-10 14:44:45  
Local clock offset: 0.108 ms  
Remote clock offset: 42.298 ms

# Below is generated by plot.py at 2018-07-10 16:03:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 43.41 Mbit/s  
95th percentile per-packet one-way delay: 91.500 ms  
Loss rate: 40.40%  
-- Flow 1:  
Average throughput: 43.41 Mbit/s  
95th percentile per-packet one-way delay: 91.500 ms  
Loss rate: 40.40%



## Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-10 15:06:32

End at: 2018-07-10 15:07:02

Local clock offset: 0.359 ms

Remote clock offset: 3.116 ms

# Below is generated by plot.py at 2018-07-10 16:03:58

# Datalink statistics

-- Total of 1 flow:

Average throughput: 48.51 Mbit/s

95th percentile per-packet one-way delay: 91.182 ms

Loss rate: 29.70%

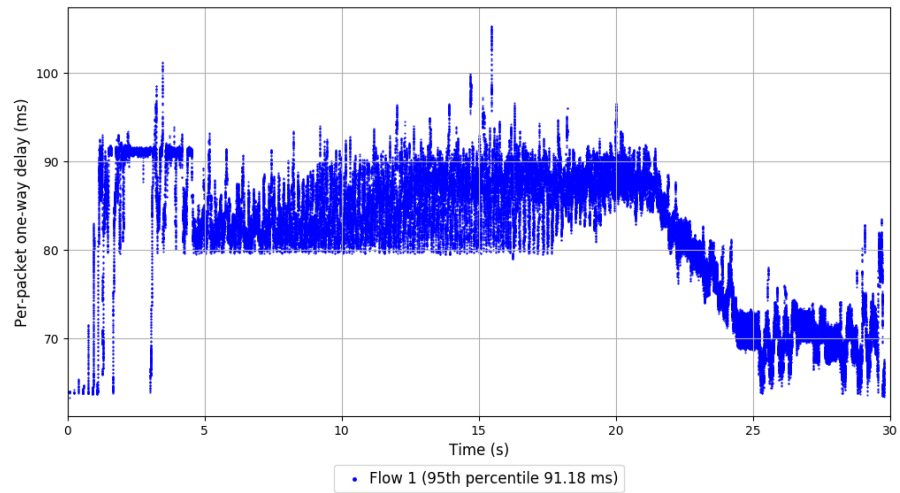
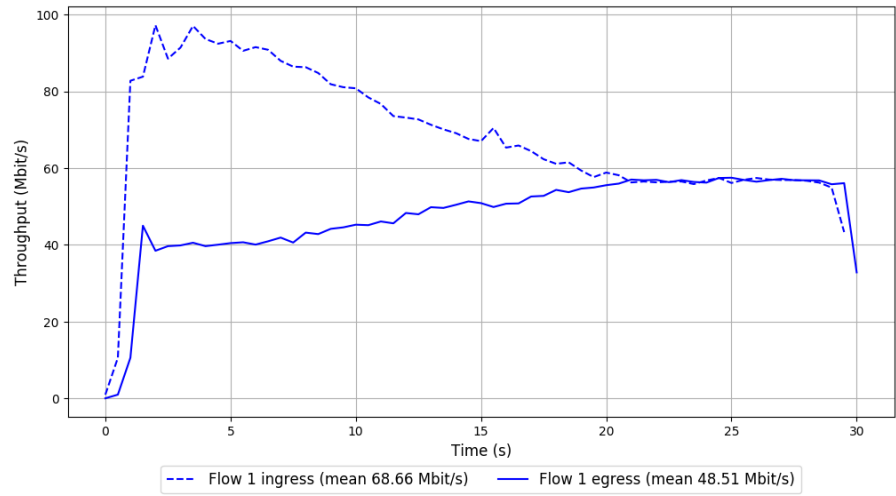
-- Flow 1:

Average throughput: 48.51 Mbit/s

95th percentile per-packet one-way delay: 91.182 ms

Loss rate: 29.70%

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



Run 9: Statistics of Indigo

Start at: 2018-07-10 15:28:47

End at: 2018-07-10 15:29:17

Local clock offset: 0.219 ms

Remote clock offset: 7.014 ms

# Below is generated by plot.py at 2018-07-10 16:04:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 47.41 Mbit/s

95th percentile per-packet one-way delay: 91.855 ms

Loss rate: 35.19%

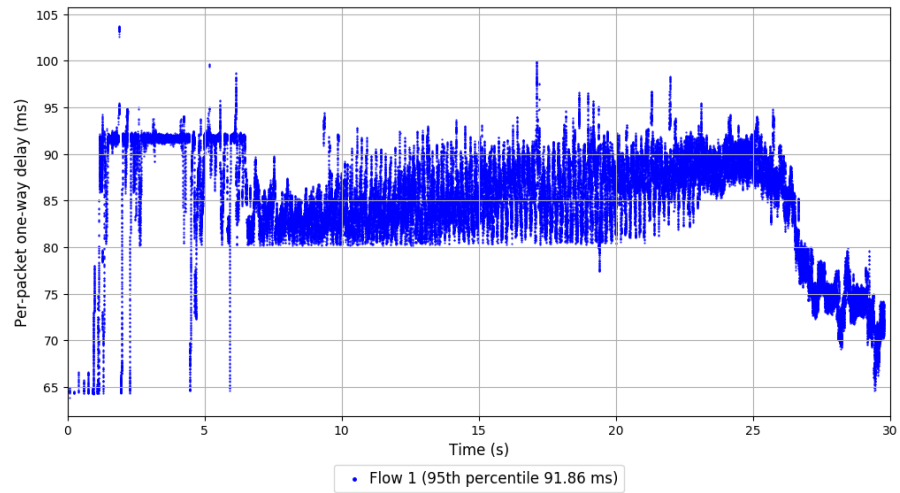
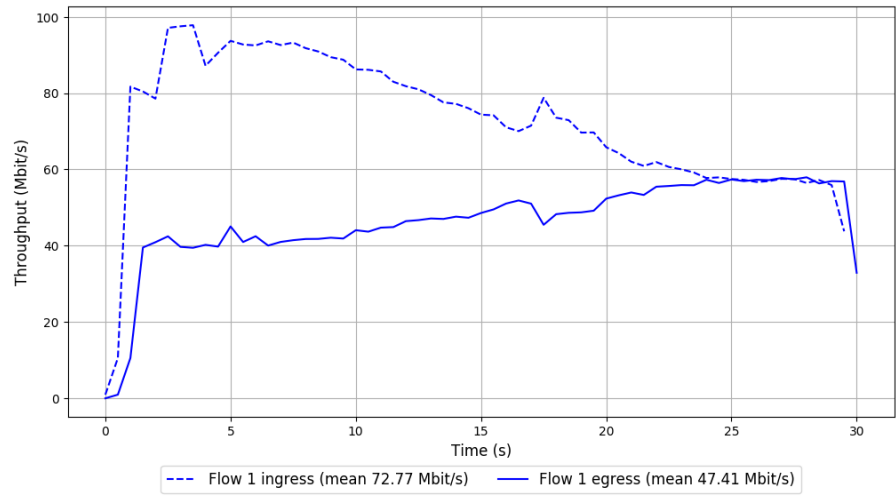
-- Flow 1:

Average throughput: 47.41 Mbit/s

95th percentile per-packet one-way delay: 91.855 ms

Loss rate: 35.19%

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



Run 10: Statistics of Indigo

Start at: 2018-07-10 15:51:06

End at: 2018-07-10 15:51:36

Local clock offset: 0.012 ms

Remote clock offset: 8.58 ms

# Below is generated by plot.py at 2018-07-10 16:04:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 48.24 Mbit/s

95th percentile per-packet one-way delay: 86.878 ms

Loss rate: 2.86%

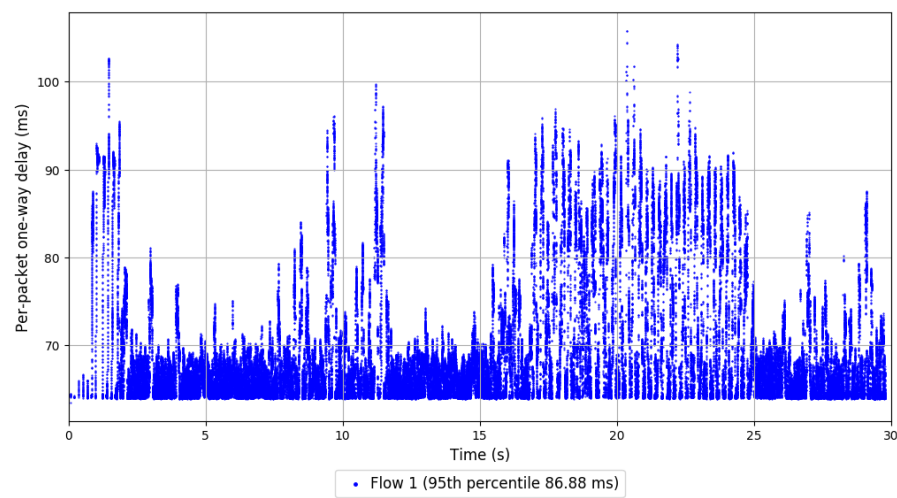
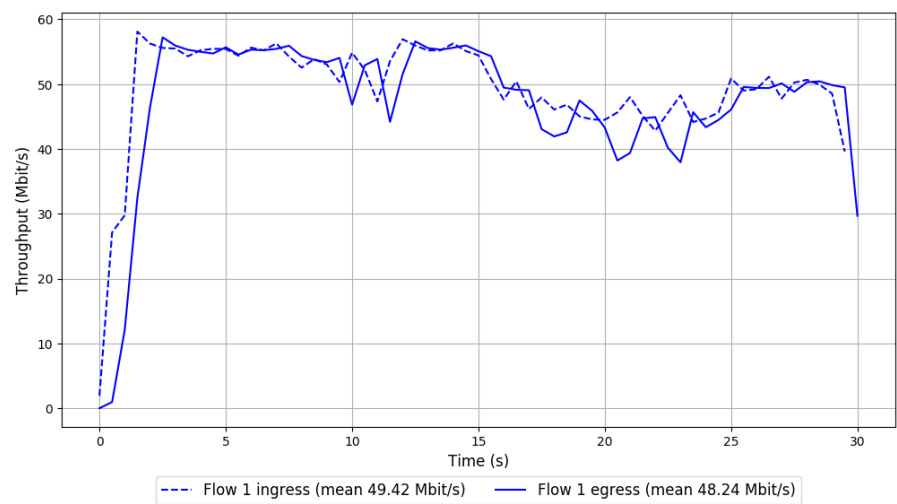
-- Flow 1:

Average throughput: 48.24 Mbit/s

95th percentile per-packet one-way delay: 86.878 ms

Loss rate: 2.86%

Run 10: Report of Indigo — Data Link



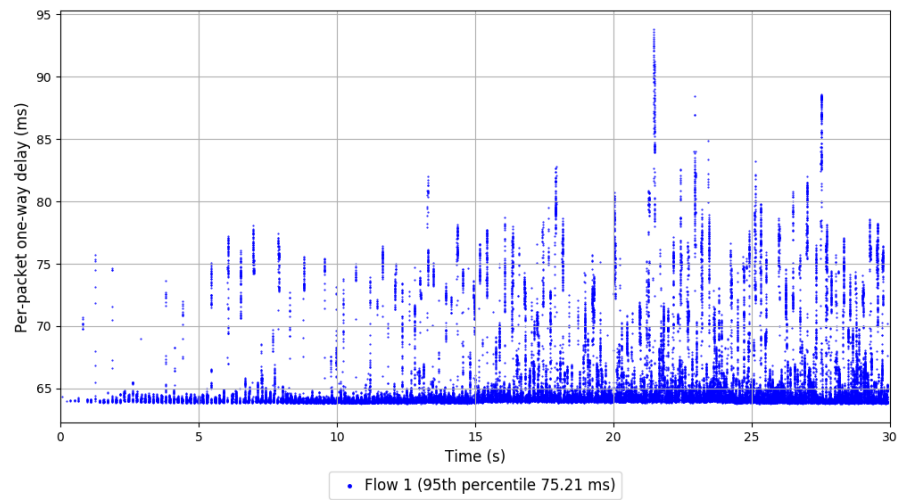
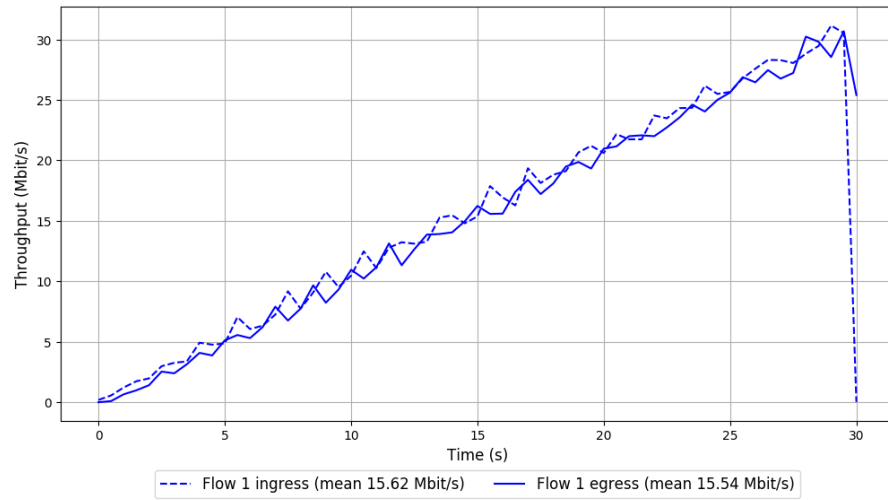
Run 1: Statistics of LEDBAT

Start at: 2018-07-10 12:24:22  
End at: 2018-07-10 12:24:52  
Local clock offset: -1.062 ms  
Remote clock offset: -2.925 ms

# Below is generated by plot.py at 2018-07-10 16:04:01  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 15.54 Mbit/s  
95th percentile per-packet one-way delay: 75.214 ms  
Loss rate: 1.00%  
-- Flow 1:  
Average throughput: 15.54 Mbit/s  
95th percentile per-packet one-way delay: 75.214 ms  
Loss rate: 1.00%



# Run 1: Report of LEDBAT — Data Link

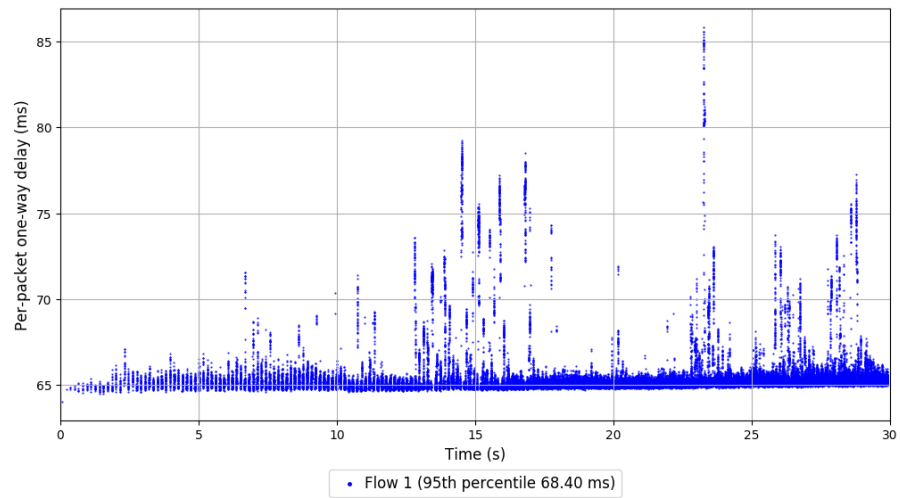
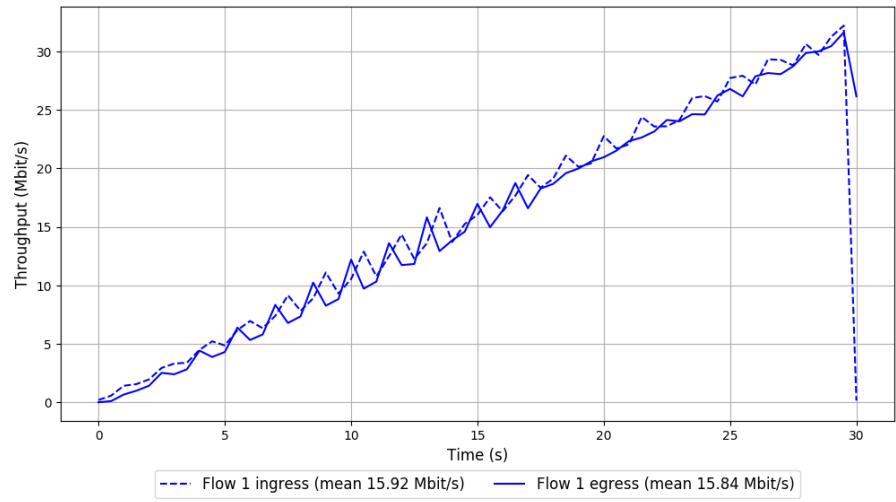


Run 2: Statistics of LEDBAT

Start at: 2018-07-10 12:46:35  
End at: 2018-07-10 12:47:05  
Local clock offset: -0.941 ms  
Remote clock offset: 35.544 ms

# Below is generated by plot.py at 2018-07-10 16:04:01  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 15.84 Mbit/s  
95th percentile per-packet one-way delay: 68.398 ms  
Loss rate: 1.00%  
-- Flow 1:  
Average throughput: 15.84 Mbit/s  
95th percentile per-packet one-way delay: 68.398 ms  
Loss rate: 1.00%

## Run 2: Report of LEDBAT — Data Link

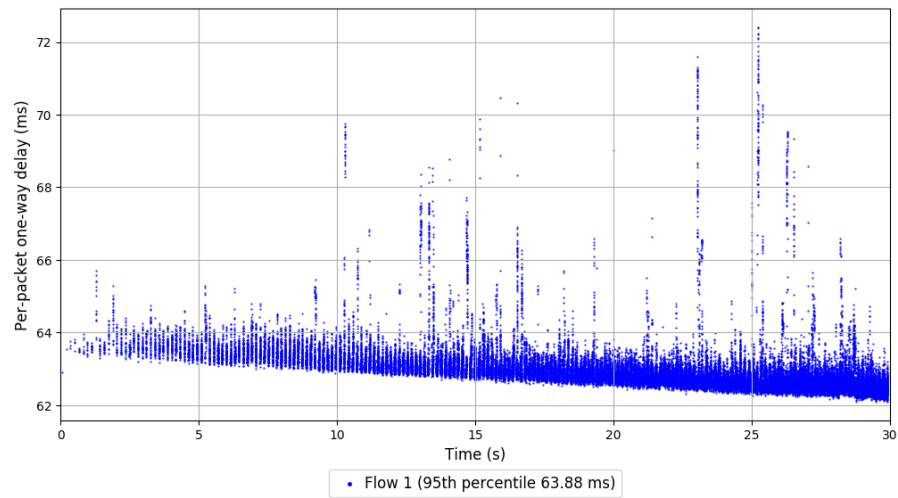
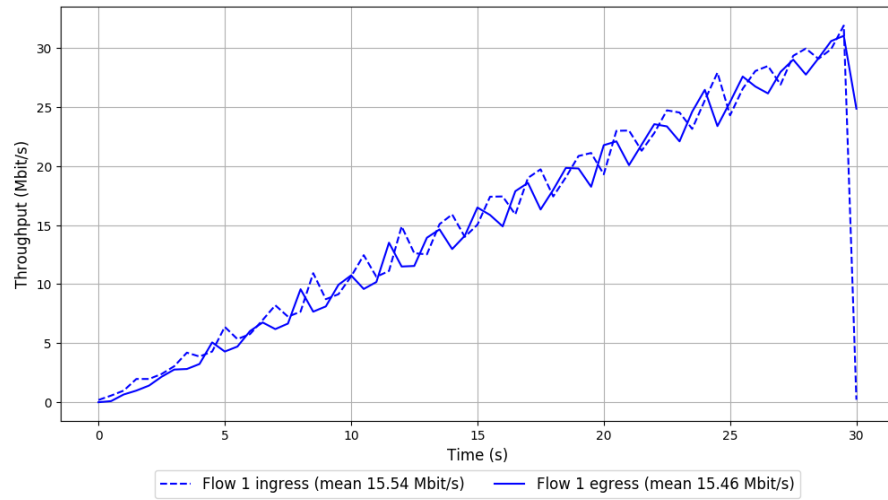


Run 3: Statistics of LEDBAT

Start at: 2018-07-10 13:08:50  
End at: 2018-07-10 13:09:20  
Local clock offset: -0.701 ms  
Remote clock offset: 21.291 ms

# Below is generated by plot.py at 2018-07-10 16:04:01  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 15.46 Mbit/s  
95th percentile per-packet one-way delay: 63.878 ms  
Loss rate: 1.01%  
-- Flow 1:  
Average throughput: 15.46 Mbit/s  
95th percentile per-packet one-way delay: 63.878 ms  
Loss rate: 1.01%

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



Run 4: Statistics of LEDBAT

Start at: 2018-07-10 13:31:04

End at: 2018-07-10 13:31:34

Local clock offset: -0.662 ms

Remote clock offset: 0.159 ms

# Below is generated by plot.py at 2018-07-10 16:04:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 13.20 Mbit/s

95th percentile per-packet one-way delay: 67.191 ms

Loss rate: 1.02%

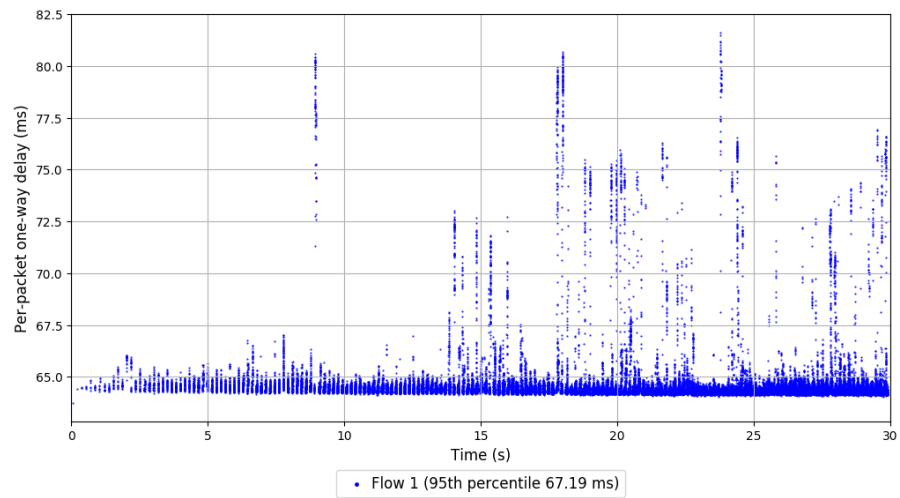
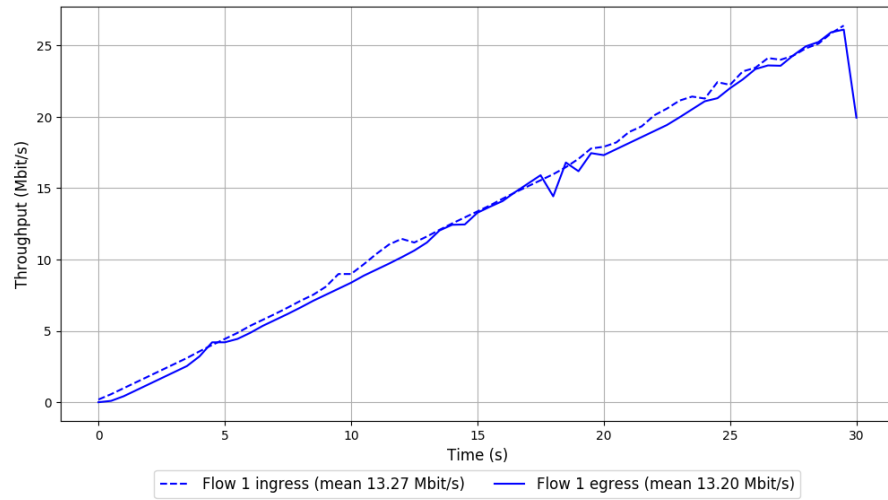
-- Flow 1:

Average throughput: 13.20 Mbit/s

95th percentile per-packet one-way delay: 67.191 ms

Loss rate: 1.02%

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



Run 5: Statistics of LEDBAT

Start at: 2018-07-10 13:53:15

End at: 2018-07-10 13:53:45

Local clock offset: -0.464 ms

Remote clock offset: 9.098 ms

# Below is generated by plot.py at 2018-07-10 16:04:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 13.38 Mbit/s

95th percentile per-packet one-way delay: 65.374 ms

Loss rate: 0.92%

-- Flow 1:

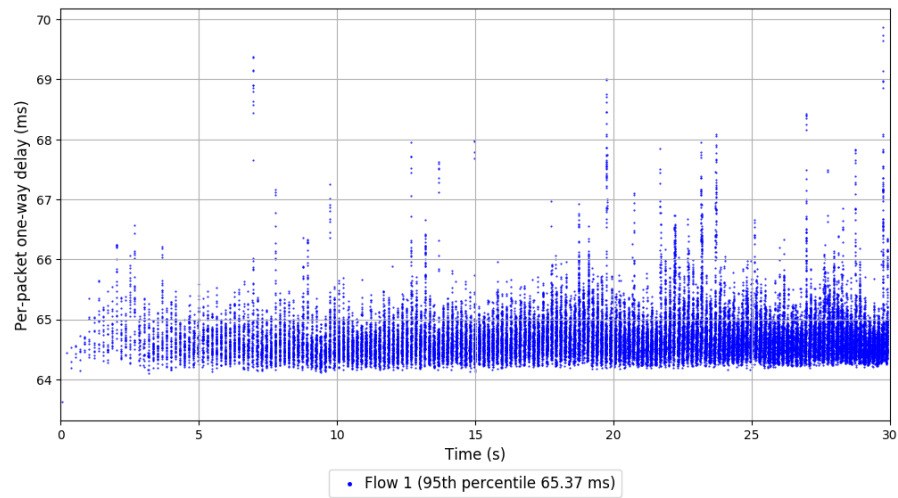
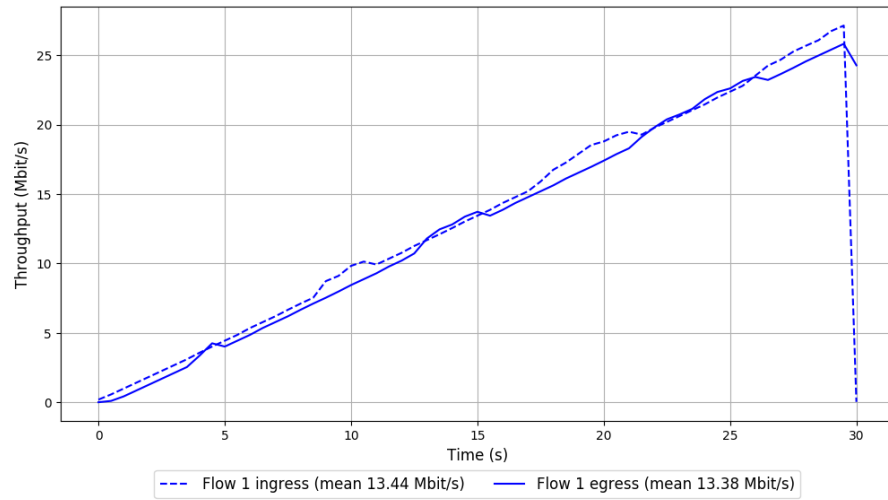
Average throughput: 13.38 Mbit/s

95th percentile per-packet one-way delay: 65.374 ms

Loss rate: 0.92%



## Run 5: Report of LEDBAT — Data Link

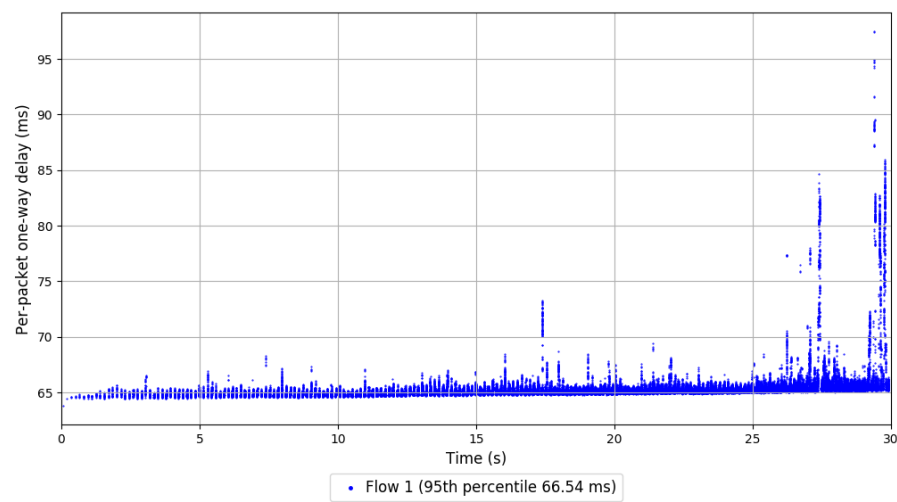
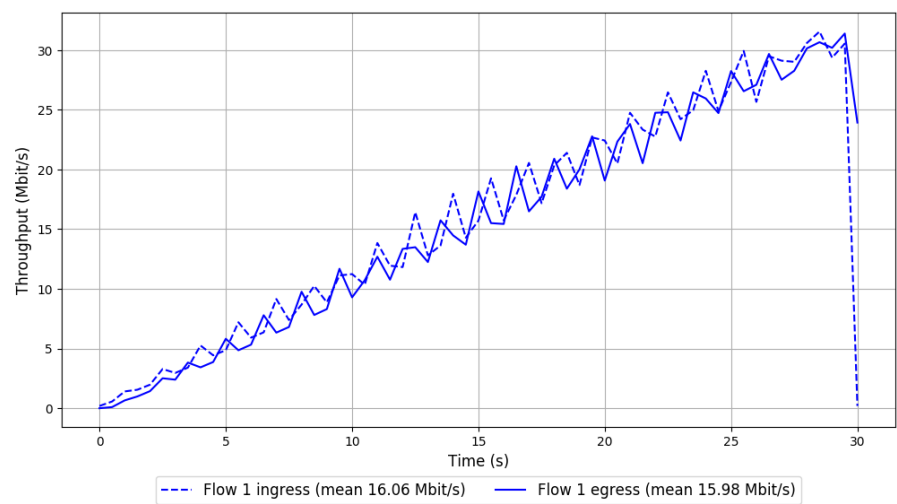


Run 6: Statistics of LEDBAT

Start at: 2018-07-10 14:15:28  
End at: 2018-07-10 14:15:58  
Local clock offset: -0.228 ms  
Remote clock offset: 22.558 ms

# Below is generated by plot.py at 2018-07-10 16:04:01  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 15.98 Mbit/s  
95th percentile per-packet one-way delay: 66.538 ms  
Loss rate: 0.99%  
-- Flow 1:  
Average throughput: 15.98 Mbit/s  
95th percentile per-packet one-way delay: 66.538 ms  
Loss rate: 0.99%

Run 6: Report of LEDBAT — Data Link

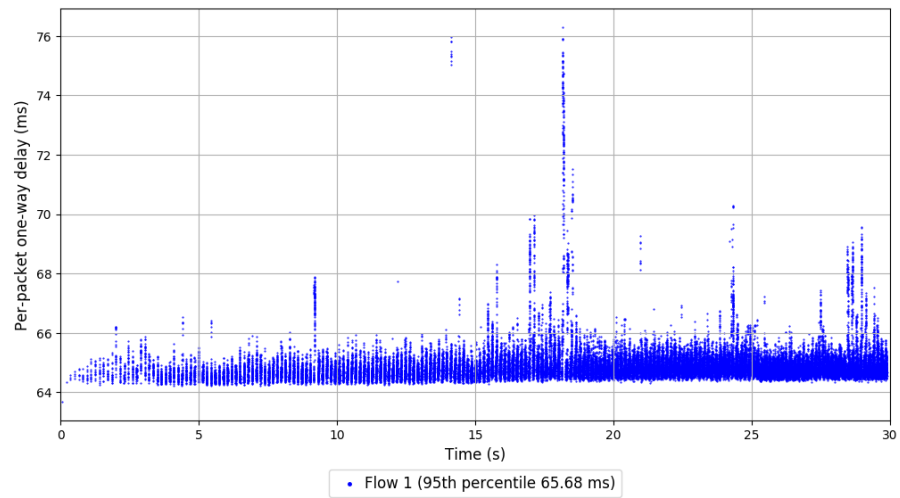
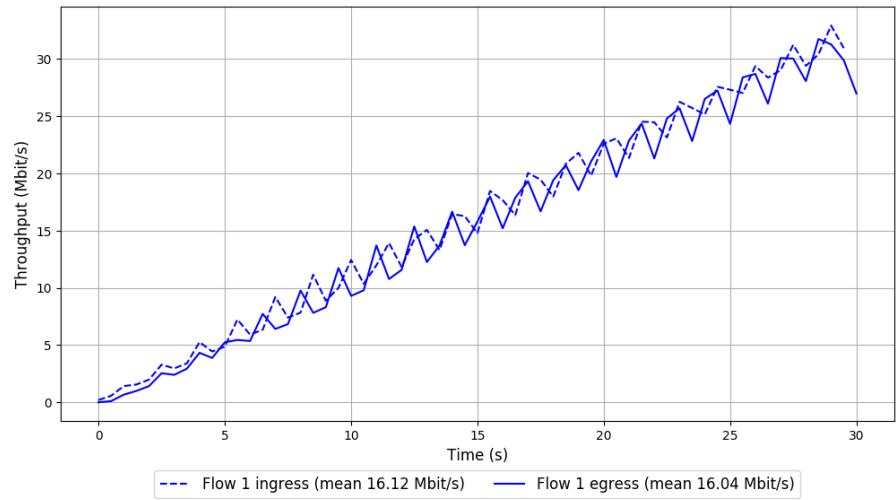


Run 7: Statistics of LEDBAT

Start at: 2018-07-10 14:37:41  
End at: 2018-07-10 14:38:11  
Local clock offset: -0.016 ms  
Remote clock offset: 39.899 ms

# Below is generated by plot.py at 2018-07-10 16:04:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 16.04 Mbit/s  
95th percentile per-packet one-way delay: 65.680 ms  
Loss rate: 1.00%  
-- Flow 1:  
Average throughput: 16.04 Mbit/s  
95th percentile per-packet one-way delay: 65.680 ms  
Loss rate: 1.00%

## Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-10 14:59:55

End at: 2018-07-10 15:00:25

Local clock offset: 0.104 ms

Remote clock offset: 8.438 ms

# Below is generated by plot.py at 2018-07-10 16:04:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 16.14 Mbit/s

95th percentile per-packet one-way delay: 64.147 ms

Loss rate: 0.99%

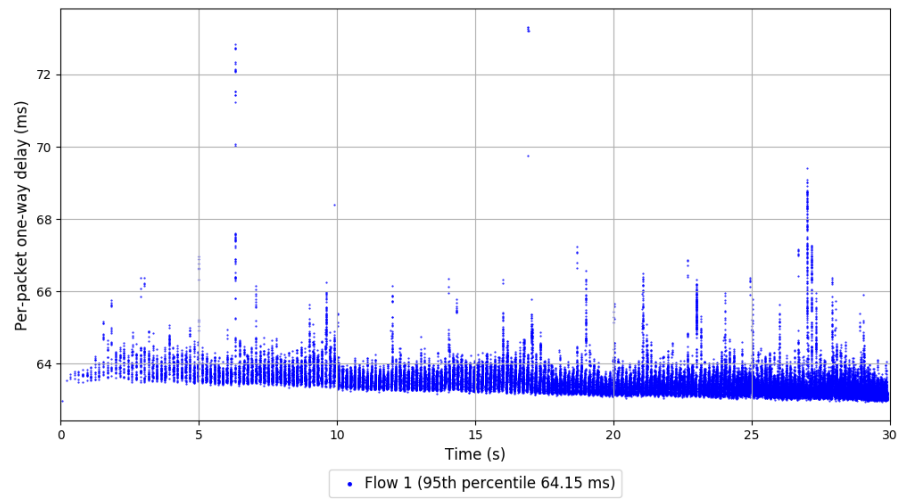
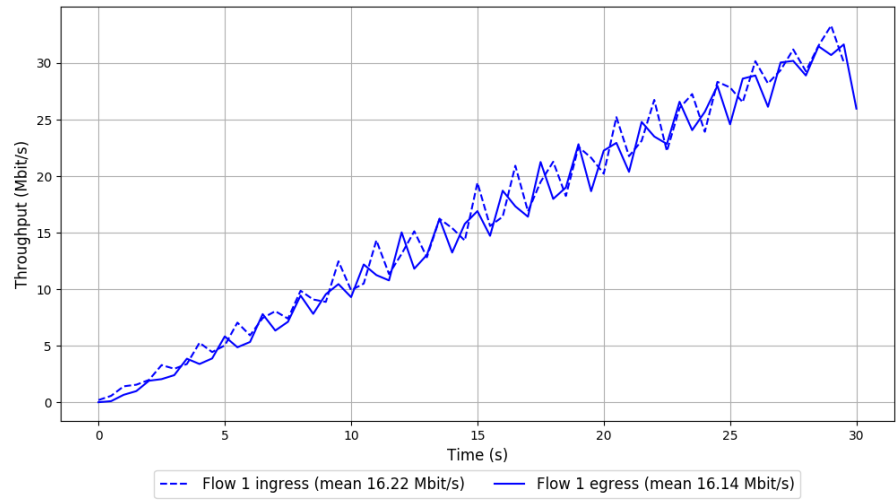
-- Flow 1:

Average throughput: 16.14 Mbit/s

95th percentile per-packet one-way delay: 64.147 ms

Loss rate: 0.99%

# Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-10 15:22:13

End at: 2018-07-10 15:22:43

Local clock offset: 0.205 ms

Remote clock offset: 2.332 ms

# Below is generated by plot.py at 2018-07-10 16:04:09

# Datalink statistics

-- Total of 1 flow:

Average throughput: 16.06 Mbit/s

95th percentile per-packet one-way delay: 65.255 ms

Loss rate: 0.99%

-- Flow 1:

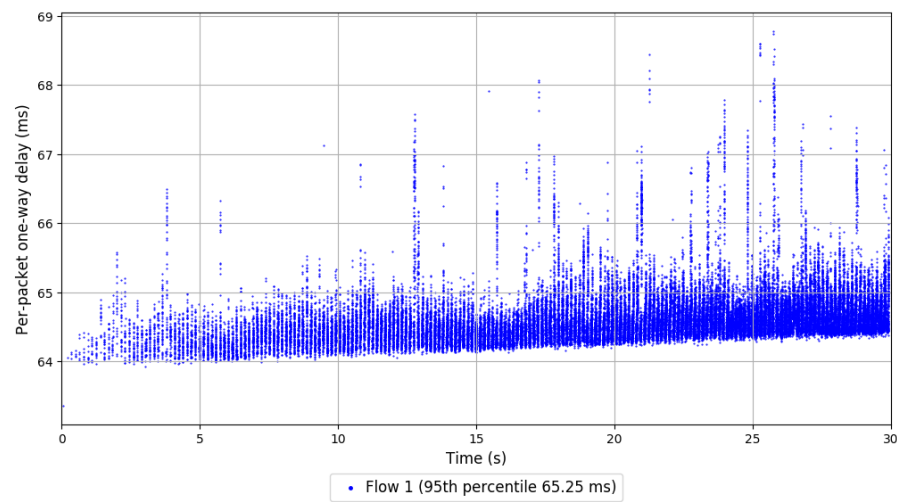
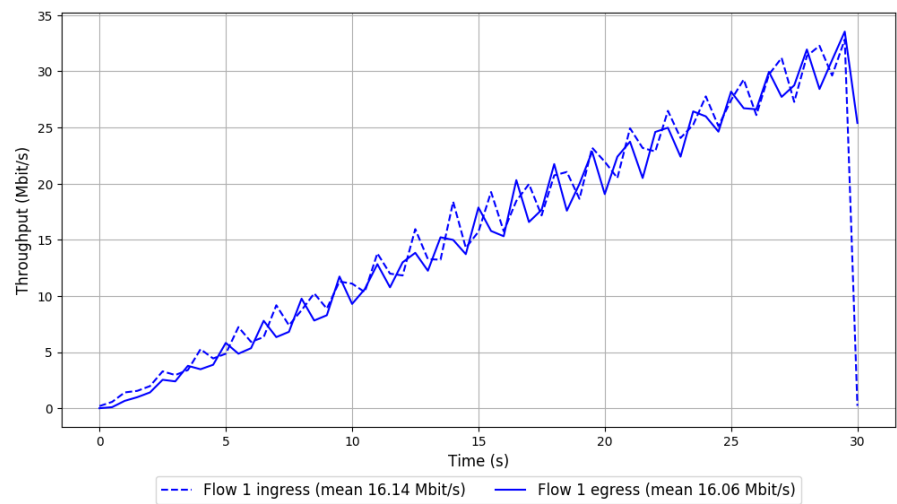
Average throughput: 16.06 Mbit/s

95th percentile per-packet one-way delay: 65.255 ms

Loss rate: 0.99%



Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-10 15:44:30

End at: 2018-07-10 15:45:00

Local clock offset: 0.348 ms

Remote clock offset: 8.987 ms

# Below is generated by plot.py at 2018-07-10 16:04:09

# Datalink statistics

-- Total of 1 flow:

Average throughput: 16.12 Mbit/s

95th percentile per-packet one-way delay: 64.820 ms

Loss rate: 0.99%

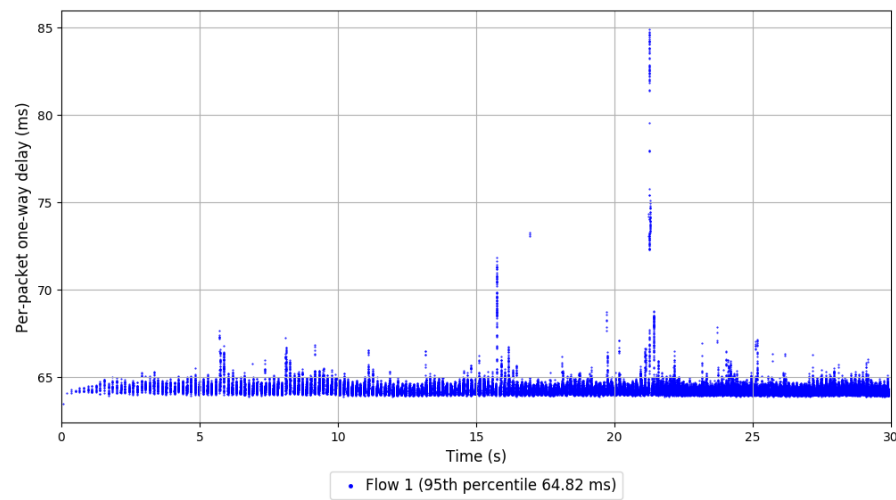
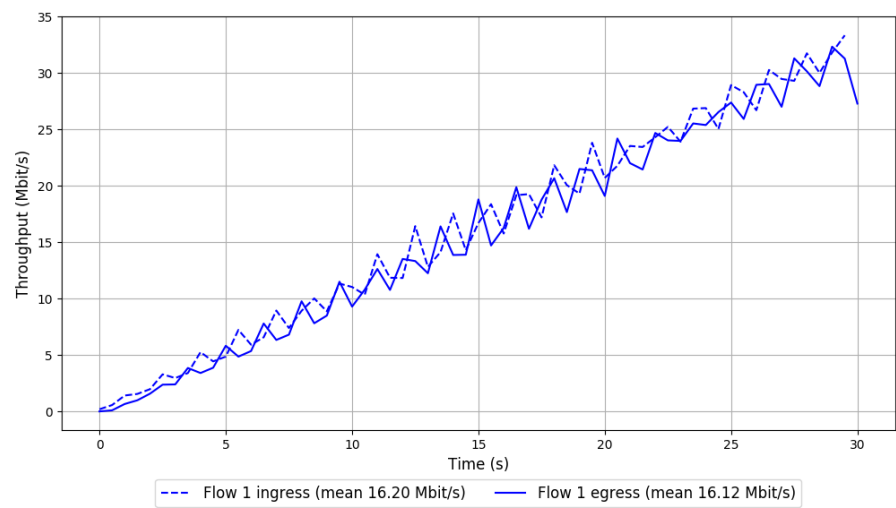
-- Flow 1:

Average throughput: 16.12 Mbit/s

95th percentile per-packet one-way delay: 64.820 ms

Loss rate: 0.99%

Run 10: Report of LEDBAT — Data Link

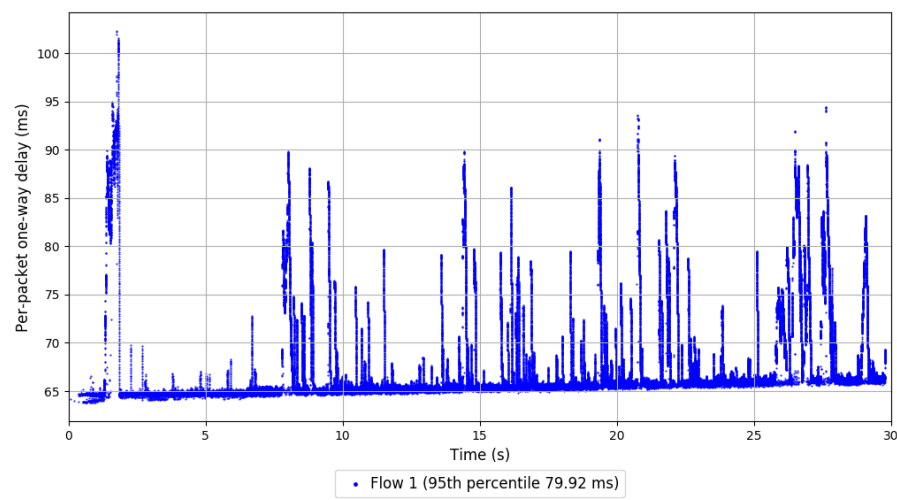
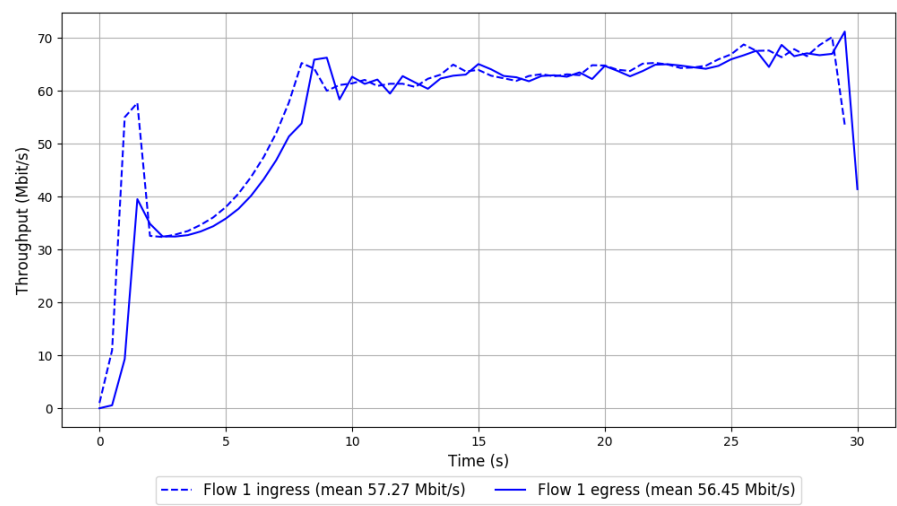


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-10 12:29:38
End at: 2018-07-10 12:30:08
Local clock offset: -0.967 ms
Remote clock offset: 4.848 ms

# Below is generated by plot.py at 2018-07-10 16:04:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.45 Mbit/s
95th percentile per-packet one-way delay: 79.920 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 56.45 Mbit/s
95th percentile per-packet one-way delay: 79.920 ms
Loss rate: 1.92%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-10 12:51:52

End at: 2018-07-10 12:52:22

Local clock offset: -1.09 ms

Remote clock offset: 40.386 ms

# Below is generated by plot.py at 2018-07-10 16:04:49

# Datalink statistics

-- Total of 1 flow:

Average throughput: 64.60 Mbit/s

95th percentile per-packet one-way delay: 84.111 ms

Loss rate: 2.87%

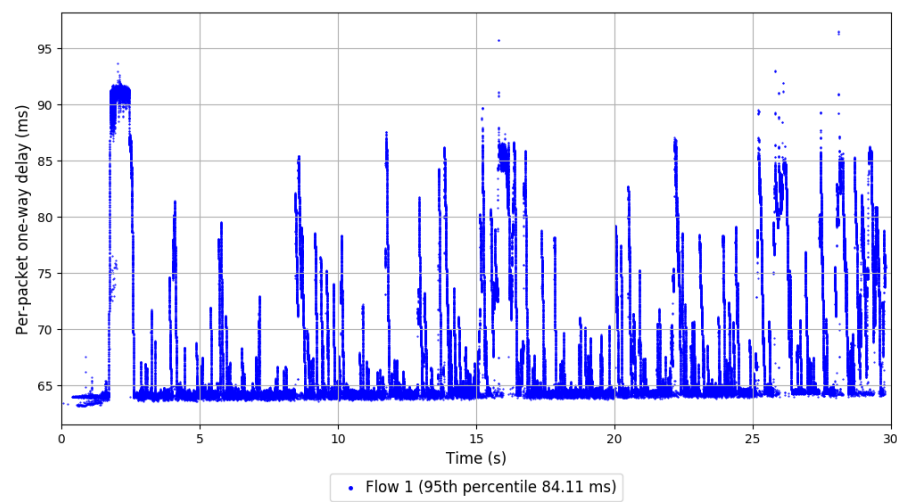
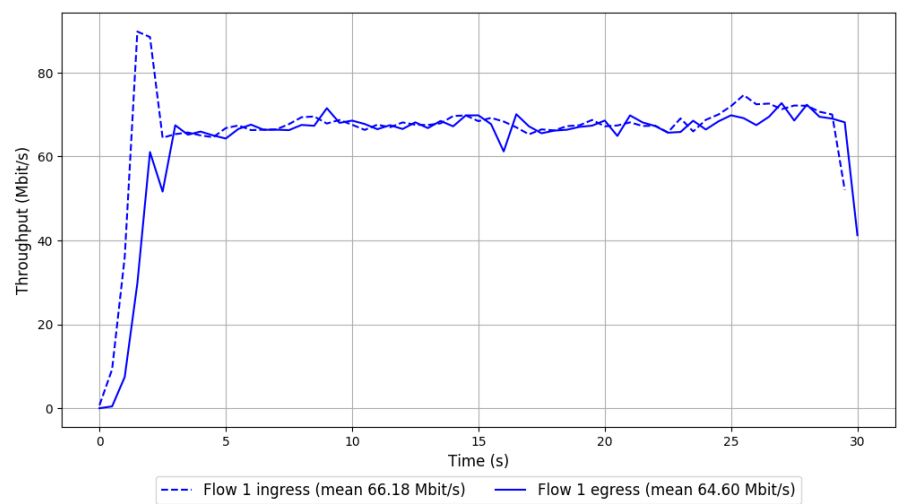
-- Flow 1:

Average throughput: 64.60 Mbit/s

95th percentile per-packet one-way delay: 84.111 ms

Loss rate: 2.87%

Run 2: Report of PCC-Allegro — Data Link



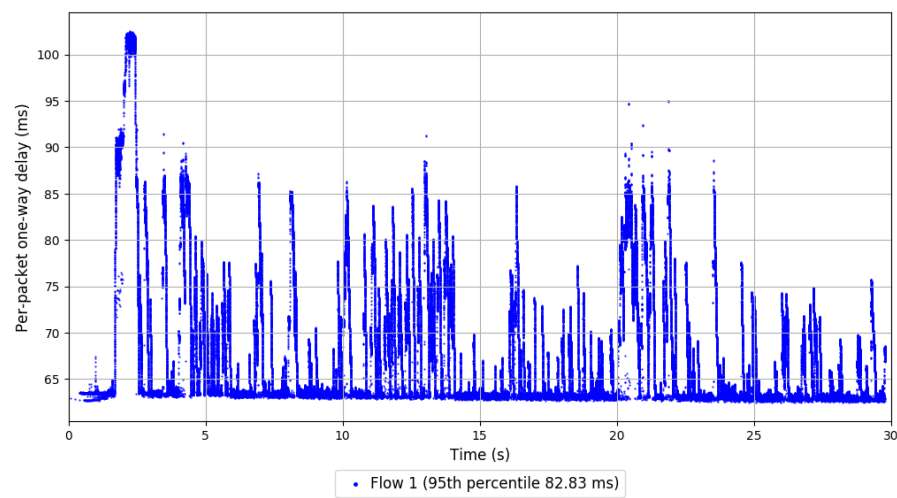
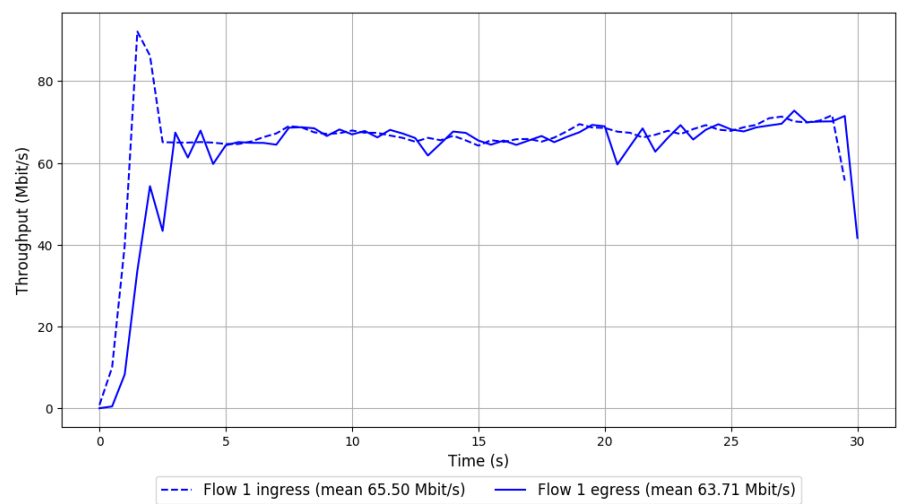
Run 3: Statistics of PCC-Allegro

Start at: 2018-07-10 13:14:07  
End at: 2018-07-10 13:14:37  
Local clock offset: -0.753 ms  
Remote clock offset: 11.246 ms

# Below is generated by plot.py at 2018-07-10 16:04:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 63.71 Mbit/s  
95th percentile per-packet one-way delay: 82.831 ms  
Loss rate: 3.23%  
-- Flow 1:  
Average throughput: 63.71 Mbit/s  
95th percentile per-packet one-way delay: 82.831 ms  
Loss rate: 3.23%



Run 3: Report of PCC-Allegro — Data Link

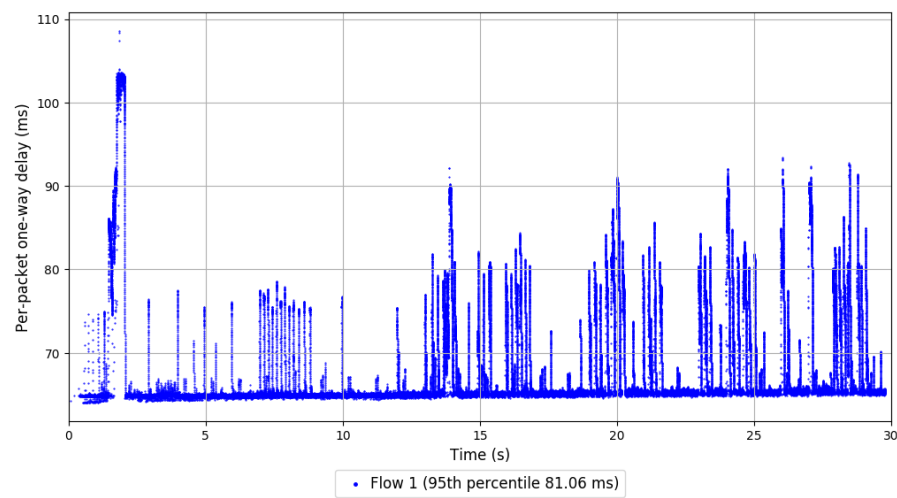
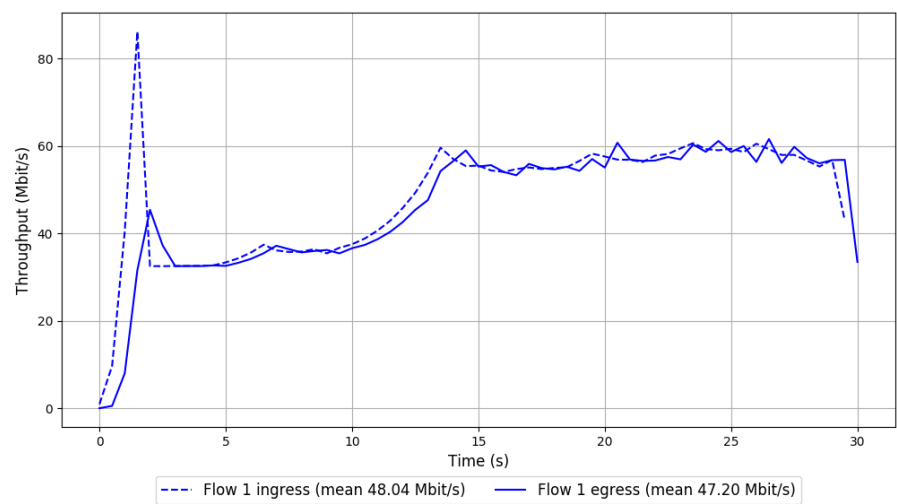


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-10 13:36:20  
End at: 2018-07-10 13:36:50  
Local clock offset: -0.373 ms  
Remote clock offset: -0.583 ms

# Below is generated by plot.py at 2018-07-10 16:04:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 47.20 Mbit/s  
95th percentile per-packet one-way delay: 81.064 ms  
Loss rate: 2.22%  
-- Flow 1:  
Average throughput: 47.20 Mbit/s  
95th percentile per-packet one-way delay: 81.064 ms  
Loss rate: 2.22%

Run 4: Report of PCC-Allegro — Data Link

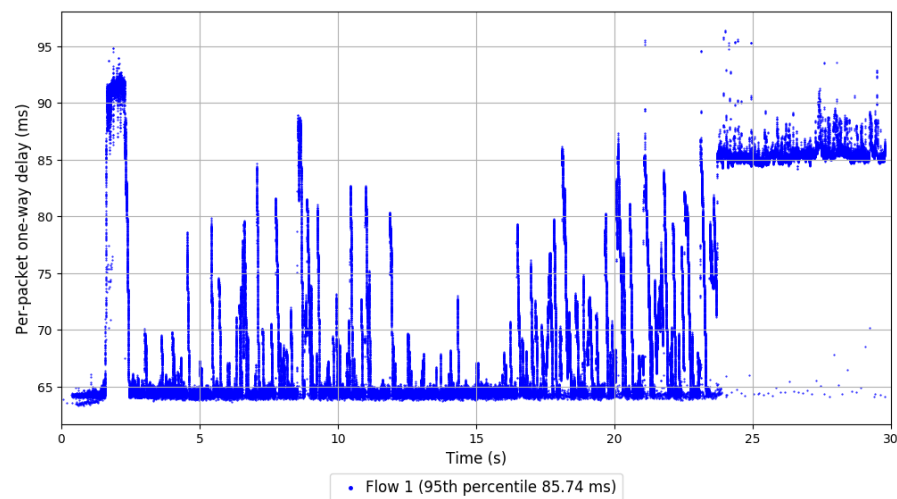
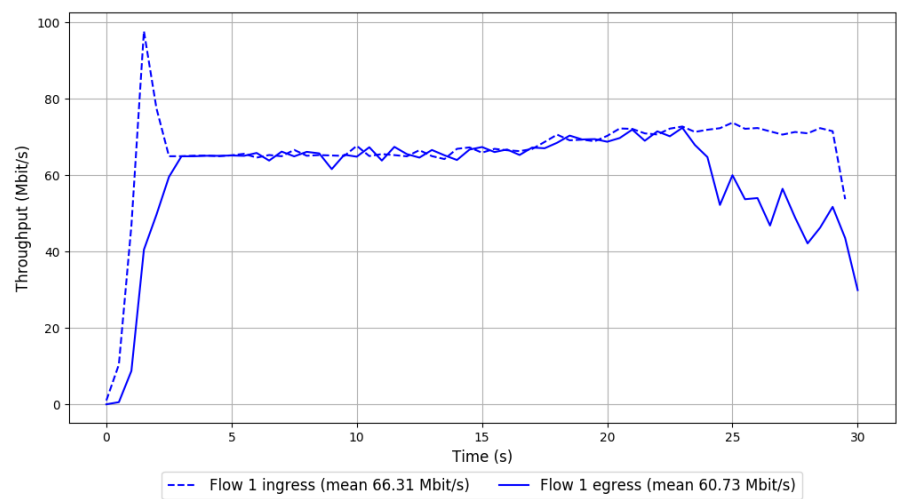


Run 5: Statistics of PCC-Allegro

Start at: 2018-07-10 13:58:31  
End at: 2018-07-10 13:59:01  
Local clock offset: -0.479 ms  
Remote clock offset: 10.288 ms

# Below is generated by plot.py at 2018-07-10 16:04:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 60.73 Mbit/s  
95th percentile per-packet one-way delay: 85.740 ms  
Loss rate: 8.87%  
-- Flow 1:  
Average throughput: 60.73 Mbit/s  
95th percentile per-packet one-way delay: 85.740 ms  
Loss rate: 8.87%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-10 14:20:44

End at: 2018-07-10 14:21:14

Local clock offset: -0.25 ms

Remote clock offset: 29.198 ms

# Below is generated by plot.py at 2018-07-10 16:04:54

# Datalink statistics

-- Total of 1 flow:

Average throughput: 52.71 Mbit/s

95th percentile per-packet one-way delay: 91.398 ms

Loss rate: 9.51%

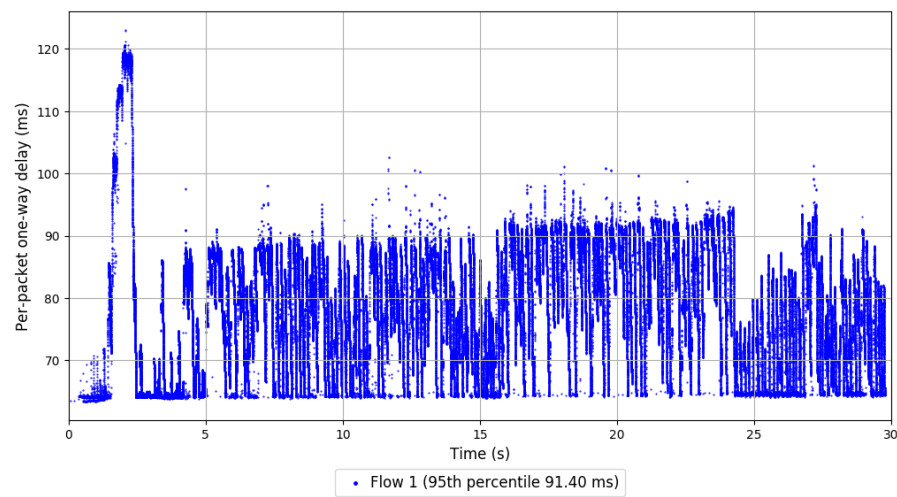
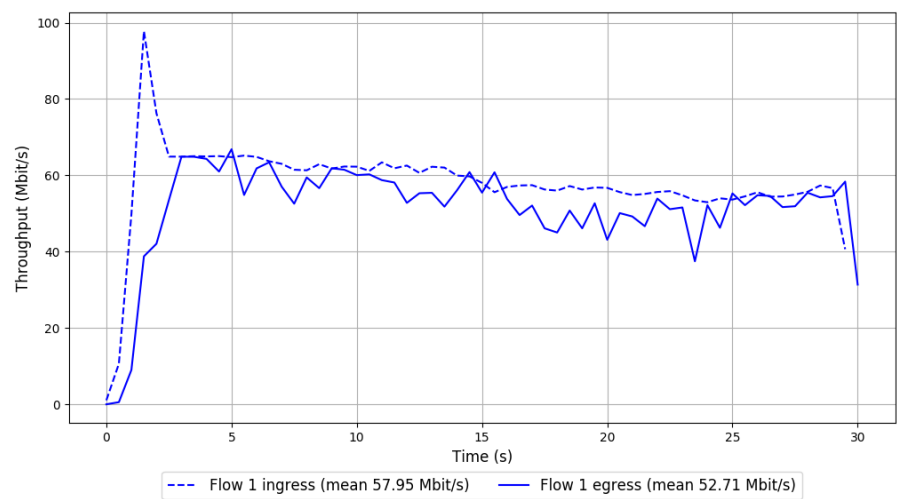
-- Flow 1:

Average throughput: 52.71 Mbit/s

95th percentile per-packet one-way delay: 91.398 ms

Loss rate: 9.51%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-10 14:42:56

End at: 2018-07-10 14:43:26

Local clock offset: 0.073 ms

Remote clock offset: 42.345 ms

# Below is generated by plot.py at 2018-07-10 16:04:54

# Datalink statistics

-- Total of 1 flow:

Average throughput: 54.91 Mbit/s

95th percentile per-packet one-way delay: 82.985 ms

Loss rate: 2.34%

-- Flow 1:

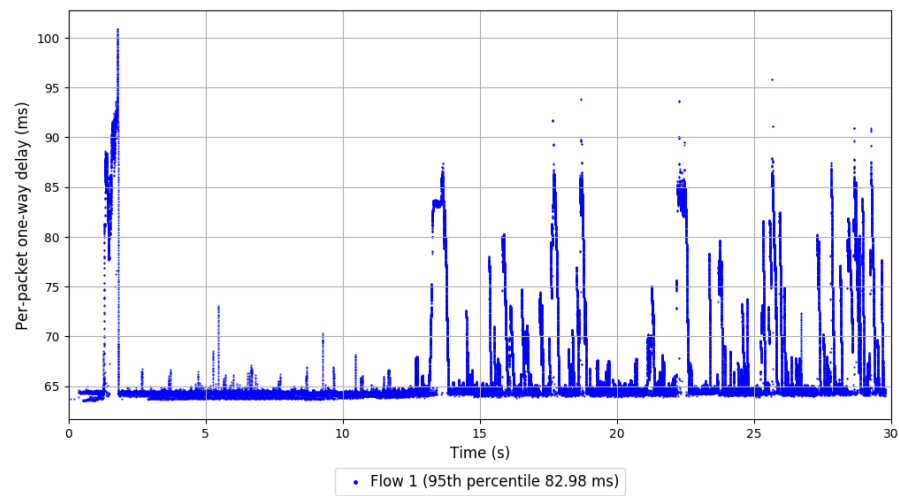
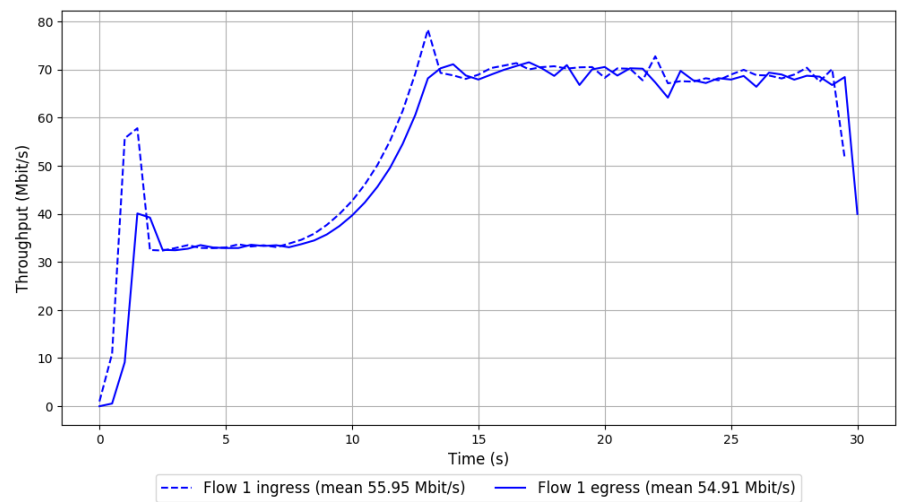
Average throughput: 54.91 Mbit/s

95th percentile per-packet one-way delay: 82.985 ms

Loss rate: 2.34%



Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-10 15:05:12

End at: 2018-07-10 15:05:42

Local clock offset: 0.257 ms

Remote clock offset: 3.962 ms

# Below is generated by plot.py at 2018-07-10 16:04:59

# Datalink statistics

-- Total of 1 flow:

Average throughput: 66.82 Mbit/s

95th percentile per-packet one-way delay: 78.254 ms

Loss rate: 2.06%

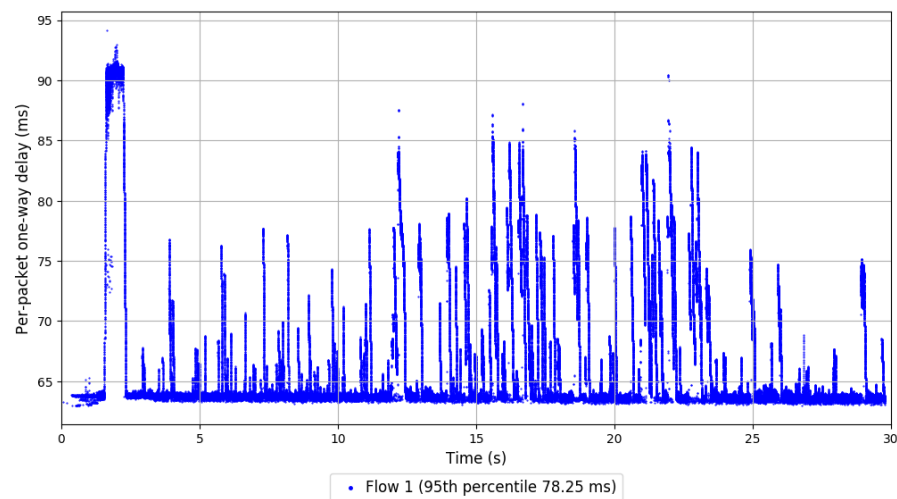
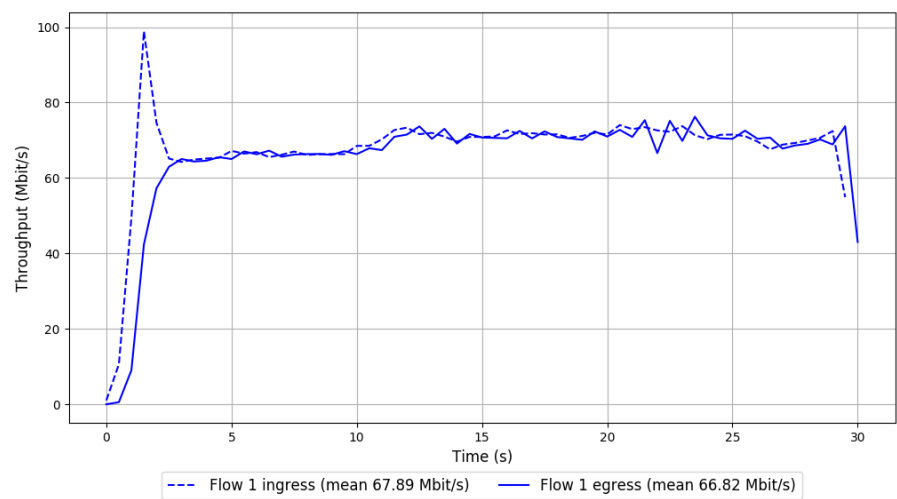
-- Flow 1:

Average throughput: 66.82 Mbit/s

95th percentile per-packet one-way delay: 78.254 ms

Loss rate: 2.06%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-10 15:27:28

End at: 2018-07-10 15:27:58

Local clock offset: 0.323 ms

Remote clock offset: 6.464 ms

# Below is generated by plot.py at 2018-07-10 16:05:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 68.61 Mbit/s

95th percentile per-packet one-way delay: 83.325 ms

Loss rate: 2.50%

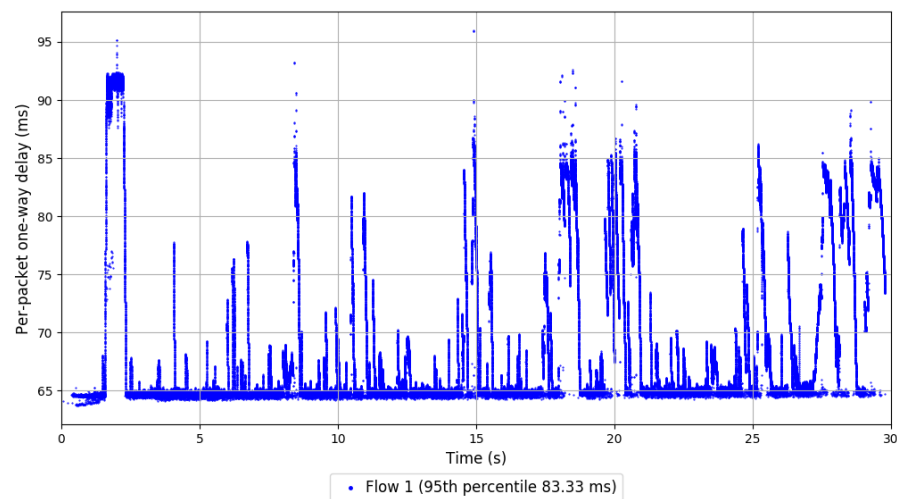
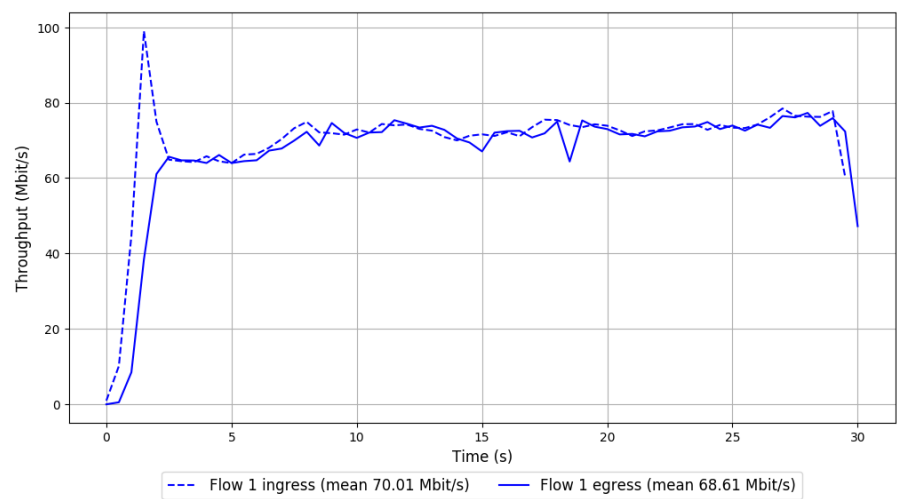
-- Flow 1:

Average throughput: 68.61 Mbit/s

95th percentile per-packet one-way delay: 83.325 ms

Loss rate: 2.50%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-10 15:49:47

End at: 2018-07-10 15:50:17

Local clock offset: 0.192 ms

Remote clock offset: 8.668 ms

# Below is generated by plot.py at 2018-07-10 16:05:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 68.02 Mbit/s

95th percentile per-packet one-way delay: 81.528 ms

Loss rate: 2.43%

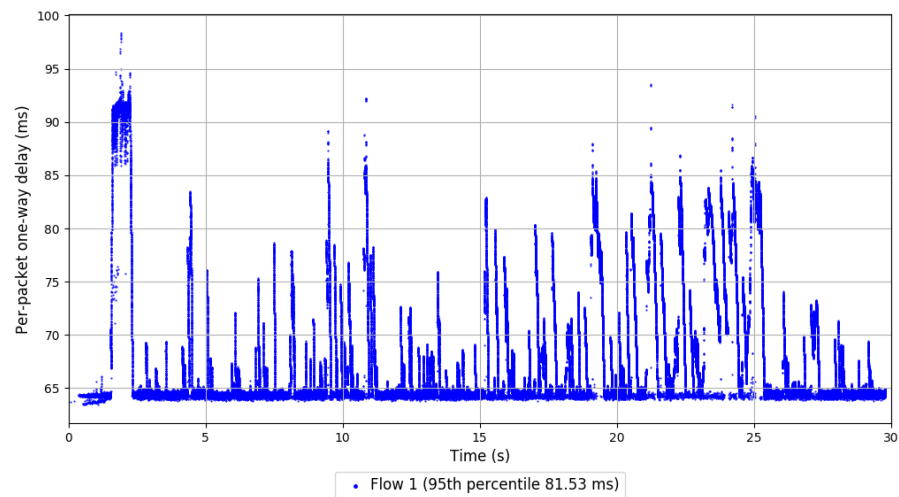
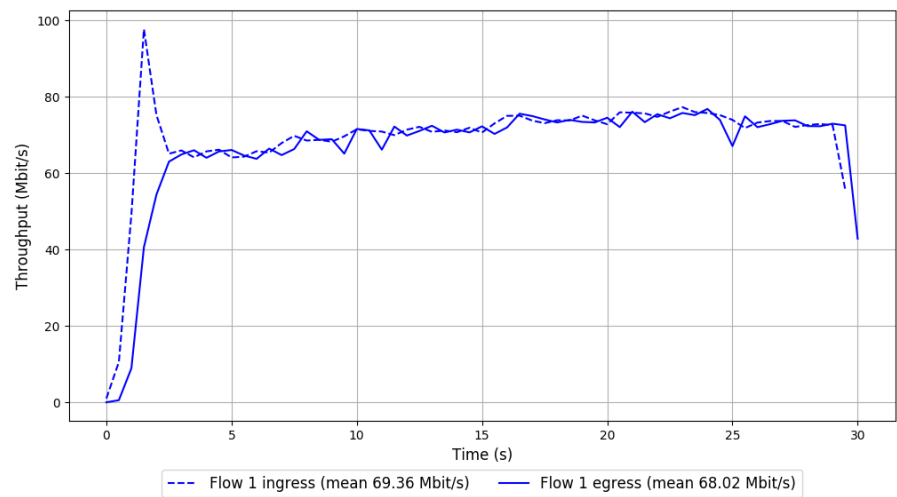
-- Flow 1:

Average throughput: 68.02 Mbit/s

95th percentile per-packet one-way delay: 81.528 ms

Loss rate: 2.43%

Run 10: Report of PCC-Allegro — Data Link



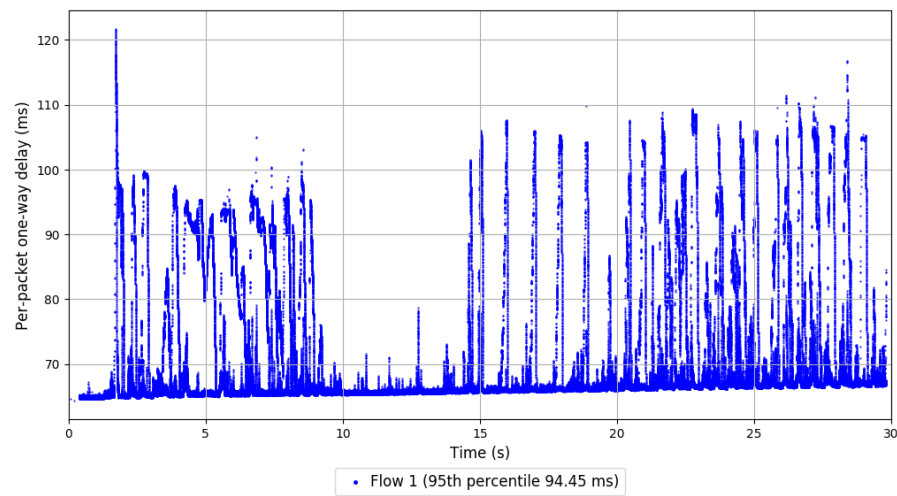
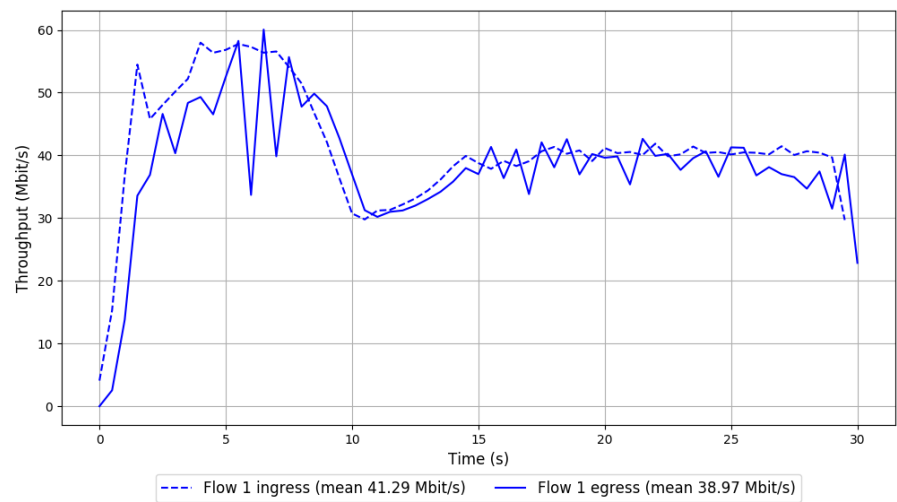
Run 1: Statistics of PCC-Expr

Start at: 2018-07-10 12:28:19  
End at: 2018-07-10 12:28:49  
Local clock offset: -0.977 ms  
Remote clock offset: -0.627 ms

# Below is generated by plot.py at 2018-07-10 16:05:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 38.97 Mbit/s  
95th percentile per-packet one-way delay: 94.447 ms  
Loss rate: 6.06%  
-- Flow 1:  
Average throughput: 38.97 Mbit/s  
95th percentile per-packet one-way delay: 94.447 ms  
Loss rate: 6.06%



Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-07-10 12:50:32

End at: 2018-07-10 12:51:02

Local clock offset: -0.958 ms

Remote clock offset: 39.29 ms

# Below is generated by plot.py at 2018-07-10 16:05:43

# Datalink statistics

-- Total of 1 flow:

Average throughput: 32.54 Mbit/s

95th percentile per-packet one-way delay: 86.840 ms

Loss rate: 3.06%

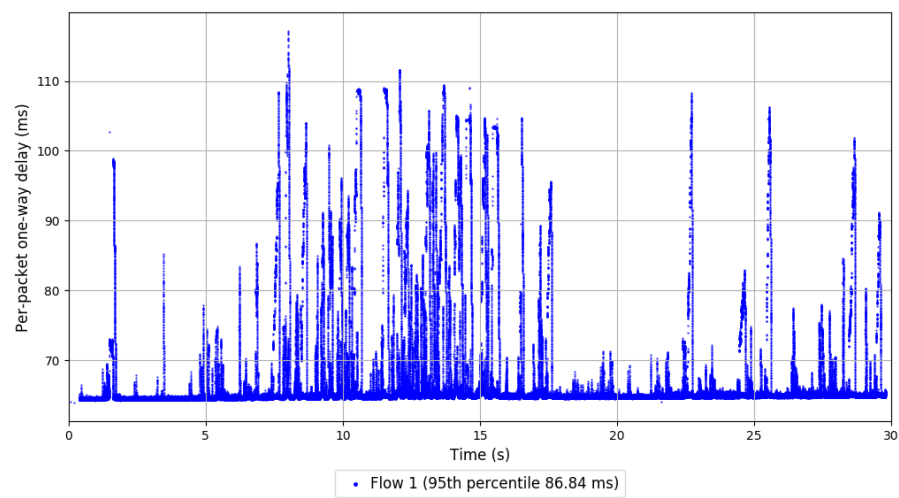
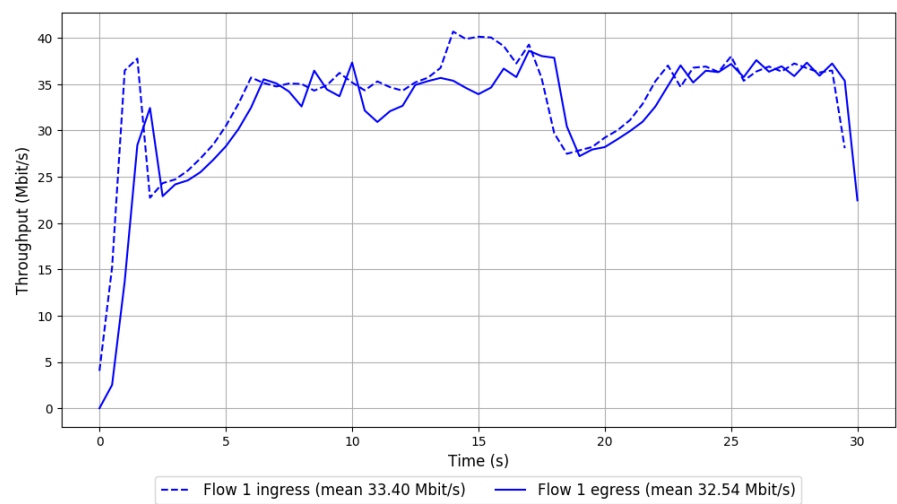
-- Flow 1:

Average throughput: 32.54 Mbit/s

95th percentile per-packet one-way delay: 86.840 ms

Loss rate: 3.06%

Run 2: Report of PCC-Expr — Data Link

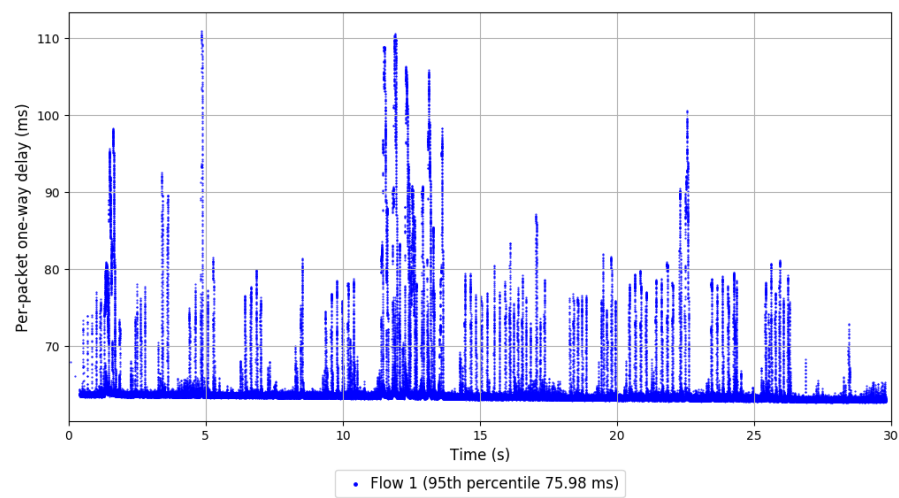
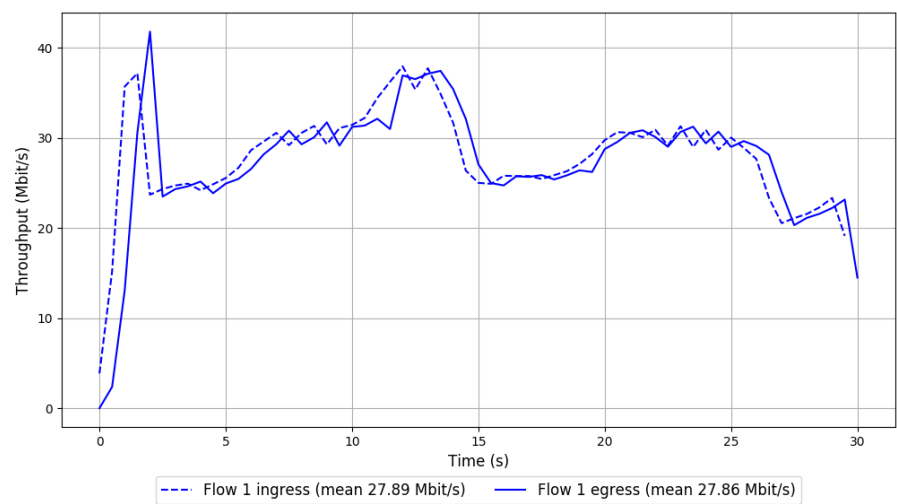


Run 3: Statistics of PCC-Expr

Start at: 2018-07-10 13:12:47  
End at: 2018-07-10 13:13:17  
Local clock offset: -0.89 ms  
Remote clock offset: 13.192 ms

# Below is generated by plot.py at 2018-07-10 16:05:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 27.86 Mbit/s  
95th percentile per-packet one-way delay: 75.978 ms  
Loss rate: 0.65%  
-- Flow 1:  
Average throughput: 27.86 Mbit/s  
95th percentile per-packet one-way delay: 75.978 ms  
Loss rate: 0.65%

Run 3: Report of PCC-Expr — Data Link

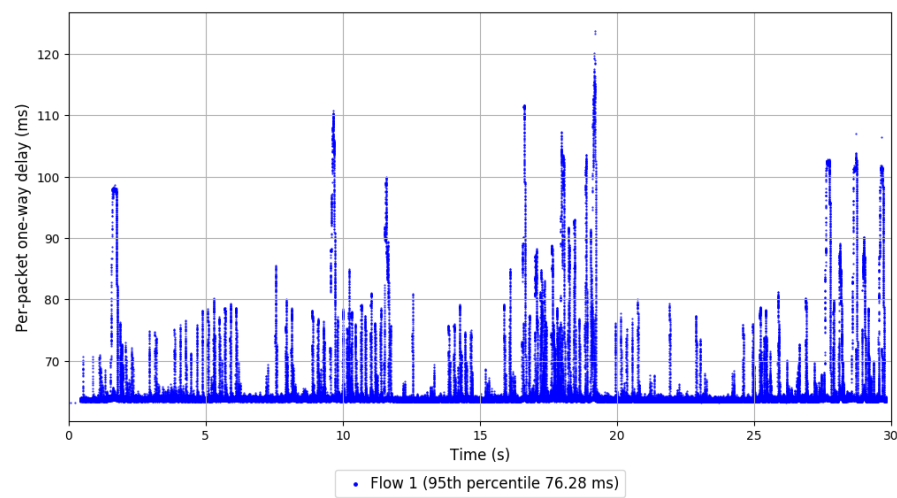
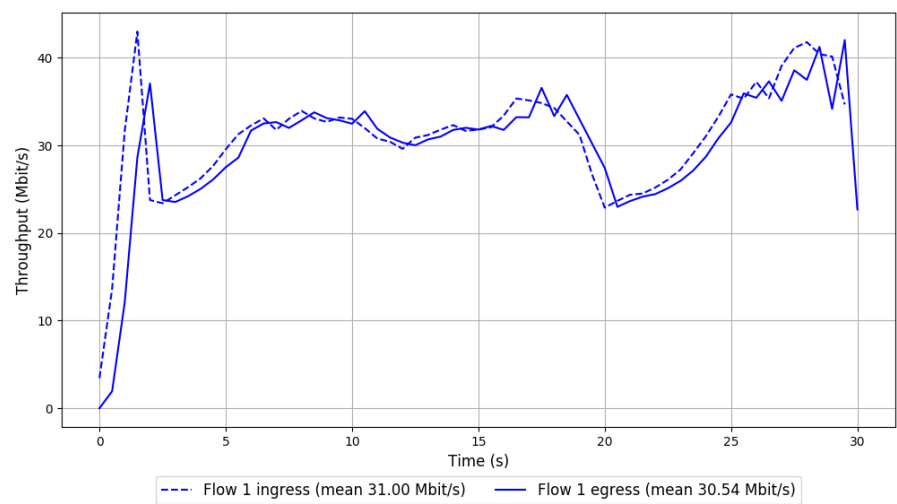


Run 4: Statistics of PCC-Expr

Start at: 2018-07-10 13:35:00  
End at: 2018-07-10 13:35:30  
Local clock offset: -0.646 ms  
Remote clock offset: -0.657 ms

# Below is generated by plot.py at 2018-07-10 16:05:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 30.54 Mbit/s  
95th percentile per-packet one-way delay: 76.276 ms  
Loss rate: 1.98%  
-- Flow 1:  
Average throughput: 30.54 Mbit/s  
95th percentile per-packet one-way delay: 76.276 ms  
Loss rate: 1.98%

Run 4: Report of PCC-Expr — Data Link



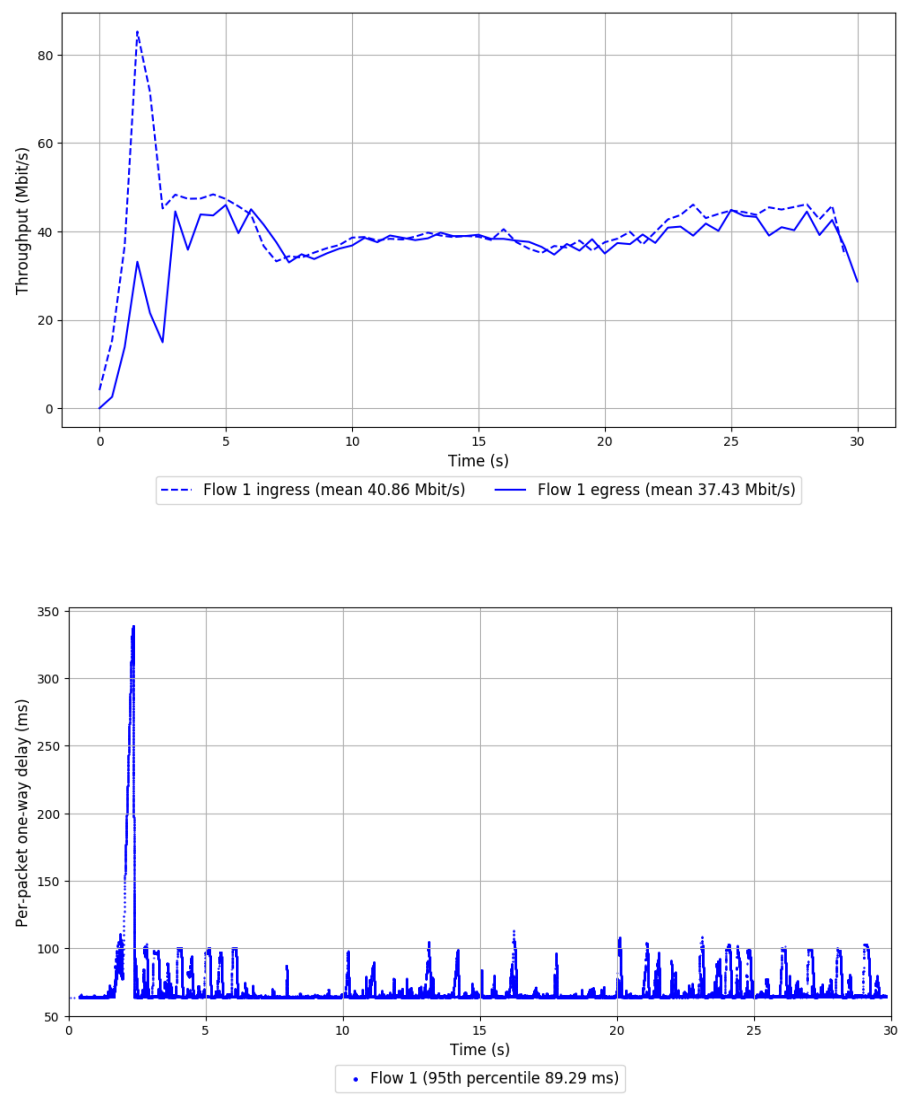
Run 5: Statistics of PCC-Expr

Start at: 2018-07-10 13:57:11  
End at: 2018-07-10 13:57:41  
Local clock offset: -0.374 ms  
Remote clock offset: 10.057 ms

# Below is generated by plot.py at 2018-07-10 16:05:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 37.43 Mbit/s  
95th percentile per-packet one-way delay: 89.287 ms  
Loss rate: 8.85%  
-- Flow 1:  
Average throughput: 37.43 Mbit/s  
95th percentile per-packet one-way delay: 89.287 ms  
Loss rate: 8.85%



Run 5: Report of PCC-Expr — Data Link

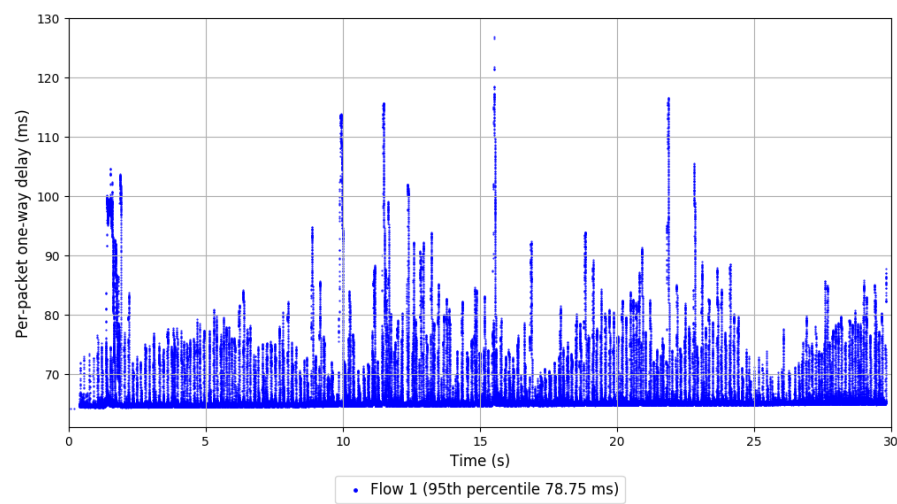
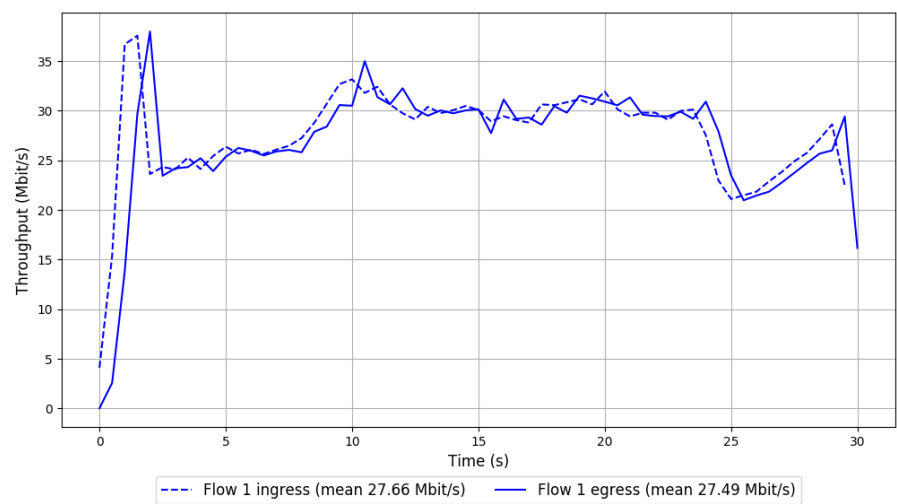


Run 6: Statistics of PCC-Expr

Start at: 2018-07-10 14:19:24  
End at: 2018-07-10 14:19:54  
Local clock offset: -0.399 ms  
Remote clock offset: 27.575 ms

# Below is generated by plot.py at 2018-07-10 16:05:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 27.49 Mbit/s  
95th percentile per-packet one-way delay: 78.749 ms  
Loss rate: 1.10%  
-- Flow 1:  
Average throughput: 27.49 Mbit/s  
95th percentile per-packet one-way delay: 78.749 ms  
Loss rate: 1.10%

Run 6: Report of PCC-Expr — Data Link

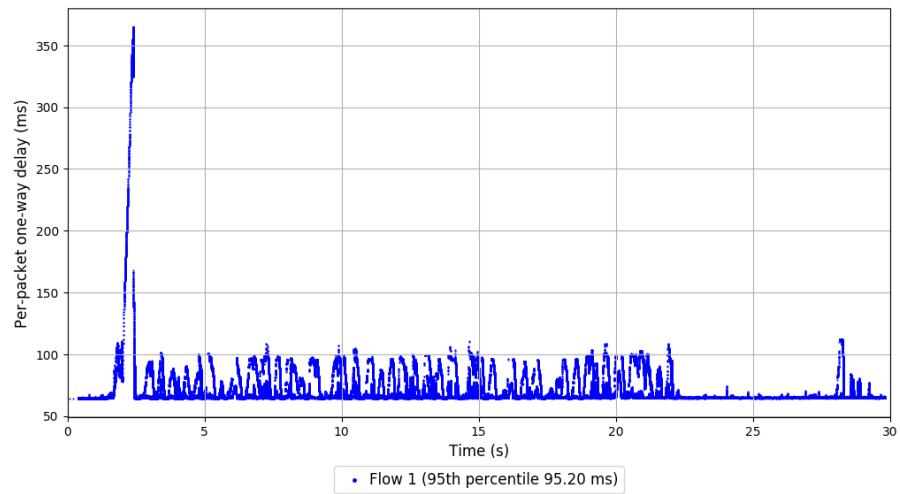
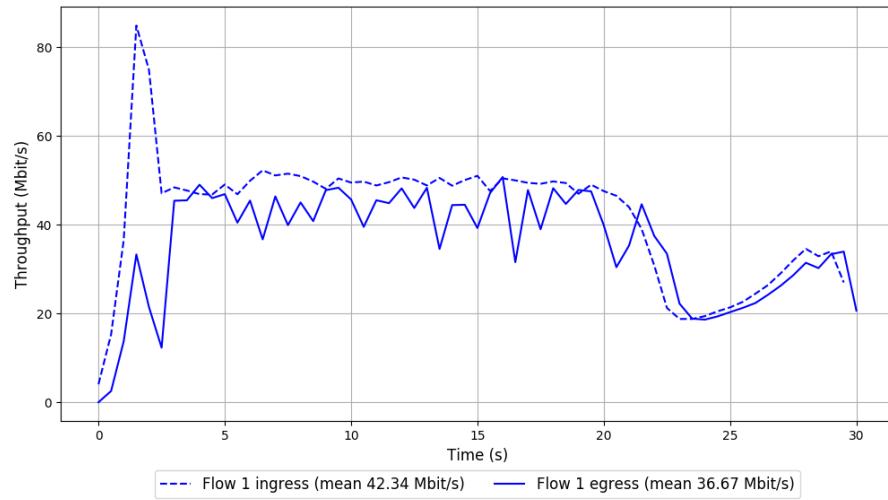


Run 7: Statistics of PCC-Expr

Start at: 2018-07-10 14:41:37  
End at: 2018-07-10 14:42:07  
Local clock offset: -0.086 ms  
Remote clock offset: 41.755 ms

# Below is generated by plot.py at 2018-07-10 16:06:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 36.67 Mbit/s  
95th percentile per-packet one-way delay: 95.197 ms  
Loss rate: 13.82%  
-- Flow 1:  
Average throughput: 36.67 Mbit/s  
95th percentile per-packet one-way delay: 95.197 ms  
Loss rate: 13.82%

## Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-07-10 15:03:51

End at: 2018-07-10 15:04:21

Local clock offset: 0.228 ms

Remote clock offset: 5.105 ms

# Below is generated by plot.py at 2018-07-10 16:06:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 36.98 Mbit/s

95th percentile per-packet one-way delay: 82.590 ms

Loss rate: 4.22%

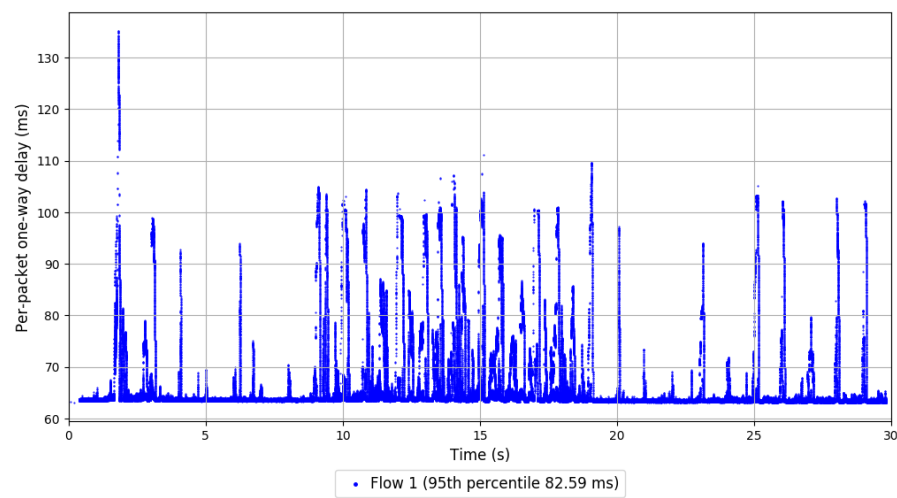
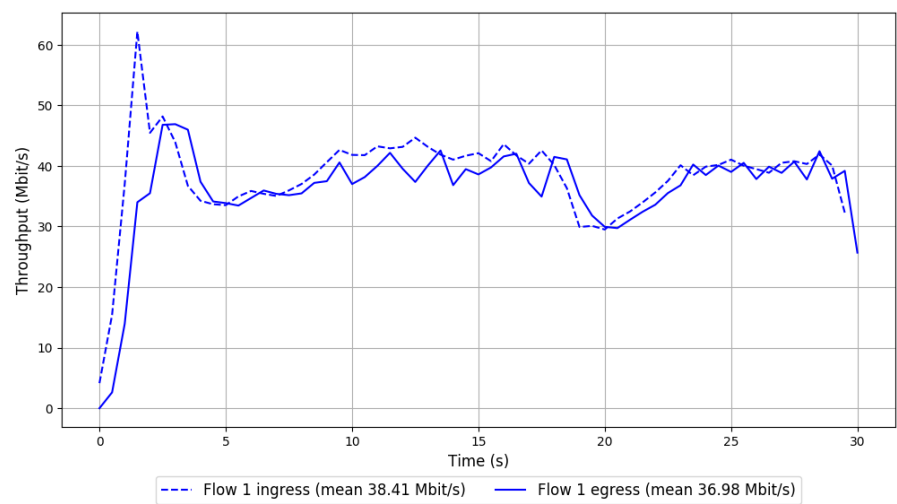
-- Flow 1:

Average throughput: 36.98 Mbit/s

95th percentile per-packet one-way delay: 82.590 ms

Loss rate: 4.22%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-10 15:26:08

End at: 2018-07-10 15:26:38

Local clock offset: 0.113 ms

Remote clock offset: 5.739 ms

# Below is generated by plot.py at 2018-07-10 16:06:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 37.51 Mbit/s

95th percentile per-packet one-way delay: 87.453 ms

Loss rate: 4.55%

-- Flow 1:

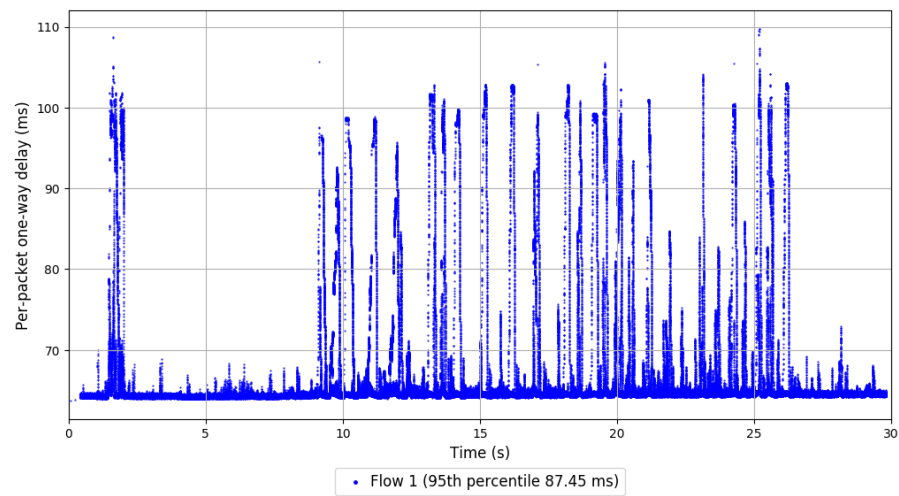
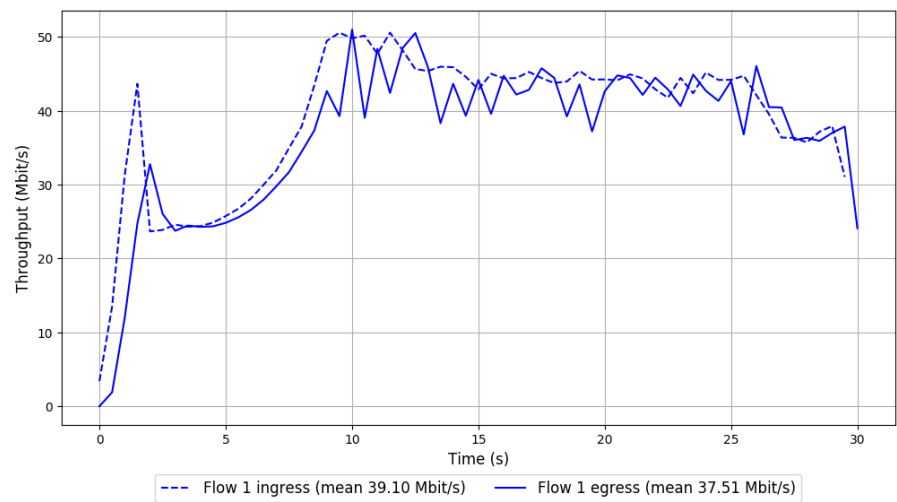
Average throughput: 37.51 Mbit/s

95th percentile per-packet one-way delay: 87.453 ms

Loss rate: 4.55%



Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-10 15:48:27

End at: 2018-07-10 15:48:57

Local clock offset: 0.176 ms

Remote clock offset: 8.847 ms

# Below is generated by plot.py at 2018-07-10 16:06:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 38.17 Mbit/s

95th percentile per-packet one-way delay: 92.820 ms

Loss rate: 12.63%

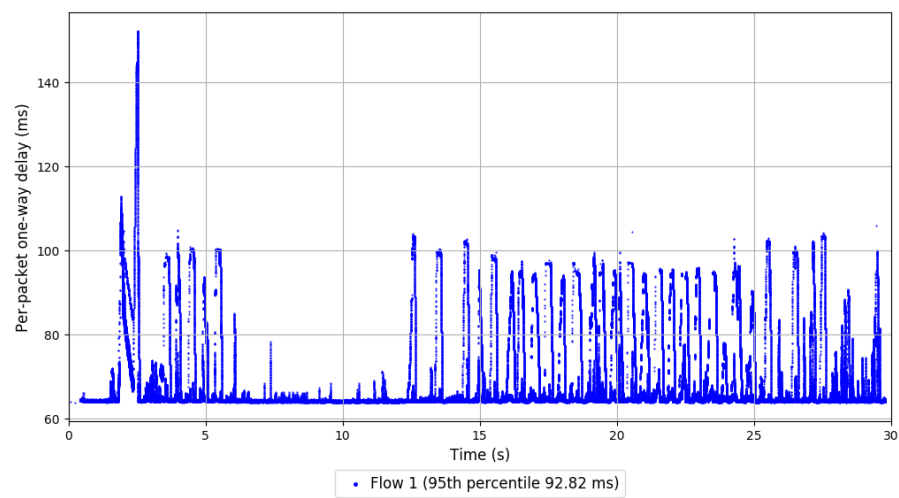
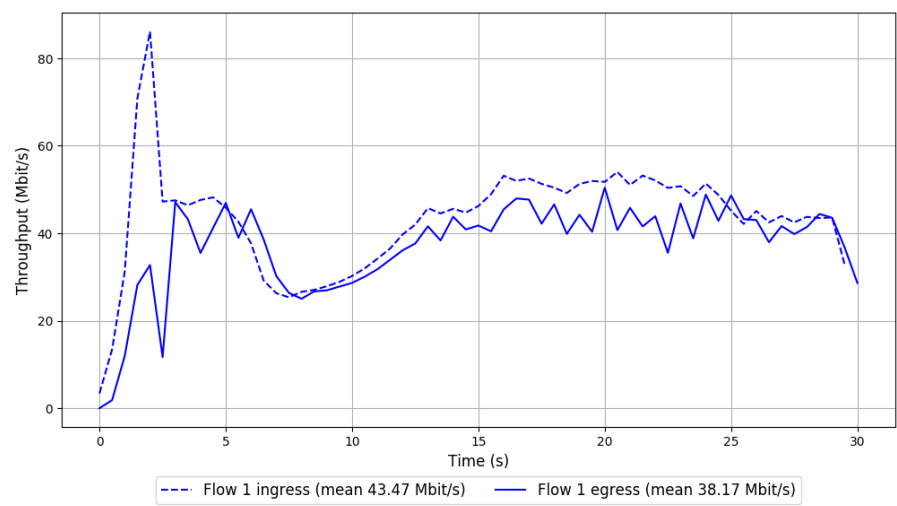
-- Flow 1:

Average throughput: 38.17 Mbit/s

95th percentile per-packet one-way delay: 92.820 ms

Loss rate: 12.63%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-10 12:33:34

End at: 2018-07-10 12:34:04

Local clock offset: -0.974 ms

Remote clock offset: 15.857 ms

# Below is generated by plot.py at 2018-07-10 16:06:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 31.49 Mbit/s

95th percentile per-packet one-way delay: 76.767 ms

Loss rate: 4.30%

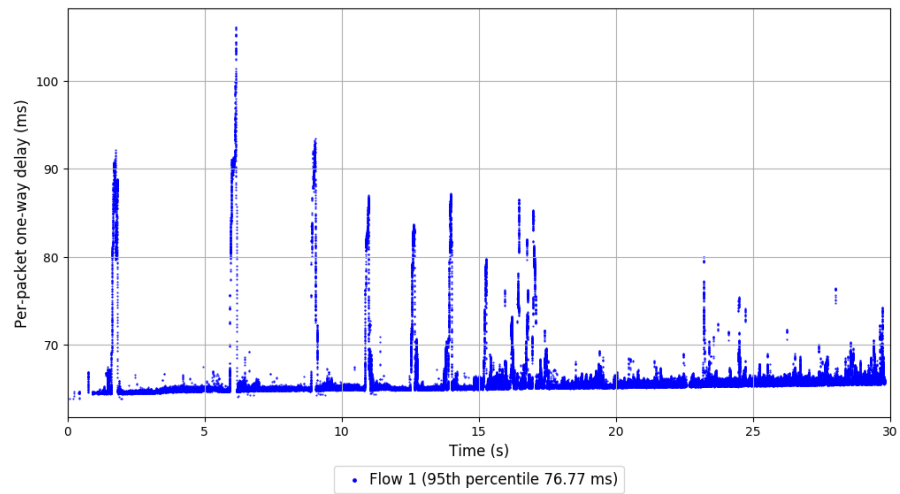
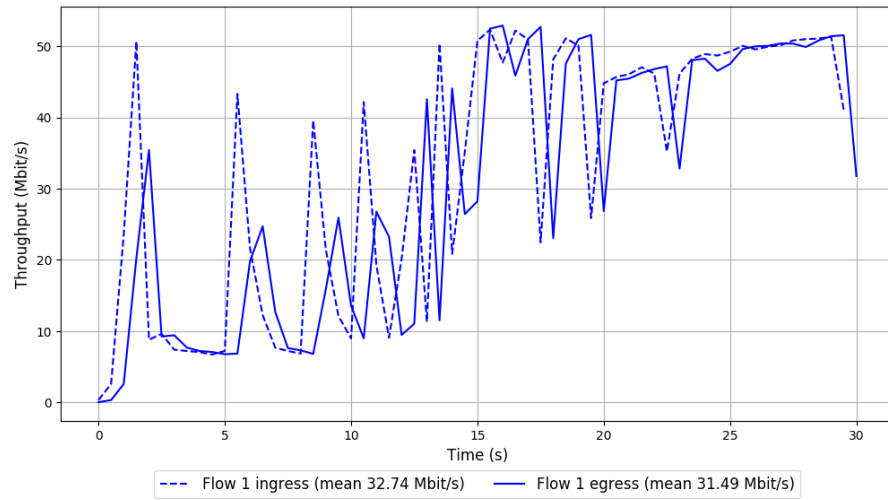
-- Flow 1:

Average throughput: 31.49 Mbit/s

95th percentile per-packet one-way delay: 76.767 ms

Loss rate: 4.30%

# Run 1: Report of QUIC Cubic — Data Link

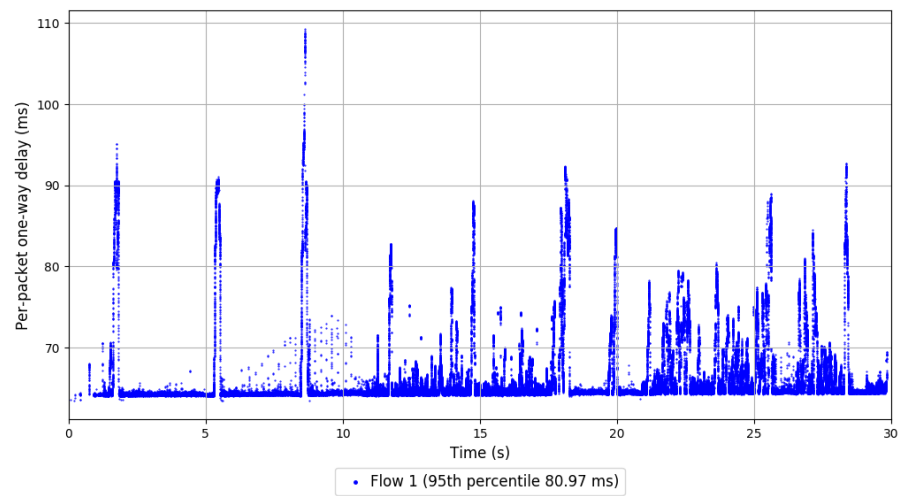
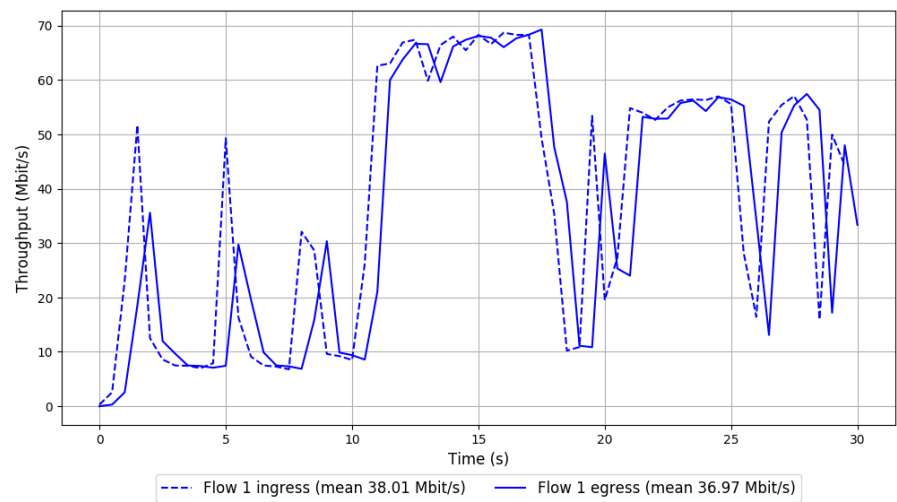


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-10 12:55:49  
End at: 2018-07-10 12:56:19  
Local clock offset: -0.944 ms  
Remote clock offset: 43.203 ms

# Below is generated by plot.py at 2018-07-10 16:06:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 36.97 Mbit/s  
95th percentile per-packet one-way delay: 80.974 ms  
Loss rate: 3.24%  
-- Flow 1:  
Average throughput: 36.97 Mbit/s  
95th percentile per-packet one-way delay: 80.974 ms  
Loss rate: 3.24%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-10 13:18:03

End at: 2018-07-10 13:18:33

Local clock offset: -0.825 ms

Remote clock offset: 6.587 ms

# Below is generated by plot.py at 2018-07-10 16:06:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 28.46 Mbit/s

95th percentile per-packet one-way delay: 84.377 ms

Loss rate: 4.24%

-- Flow 1:

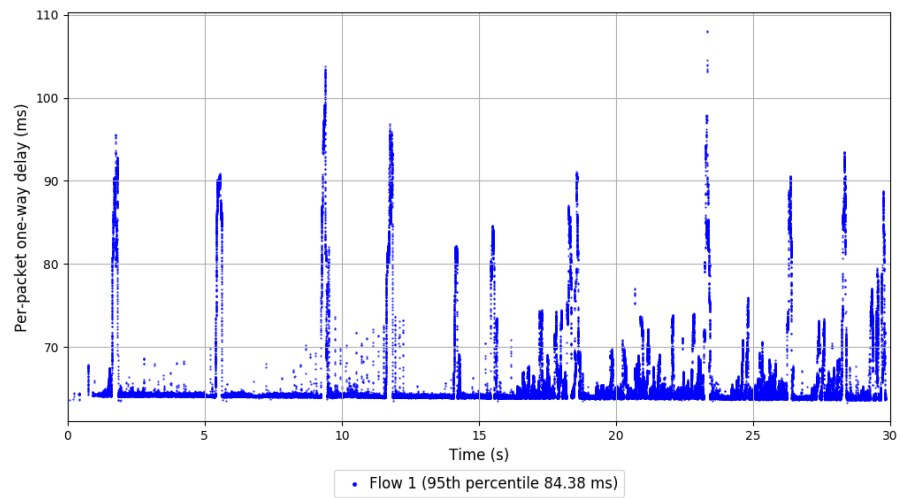
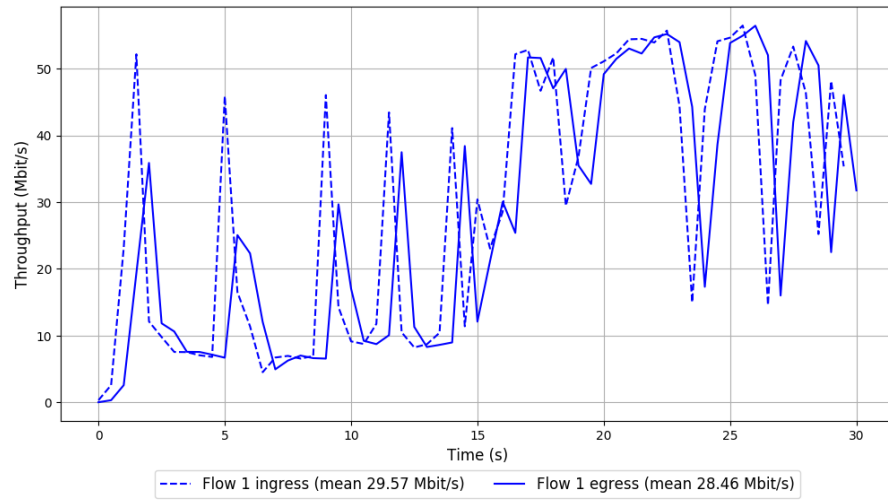
Average throughput: 28.46 Mbit/s

95th percentile per-packet one-way delay: 84.377 ms

Loss rate: 4.24%



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



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-10 13:40:15

End at: 2018-07-10 13:40:45

Local clock offset: -0.501 ms

Remote clock offset: 3.341 ms

# Below is generated by plot.py at 2018-07-10 16:06:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 28.61 Mbit/s

95th percentile per-packet one-way delay: 83.646 ms

Loss rate: 3.78%

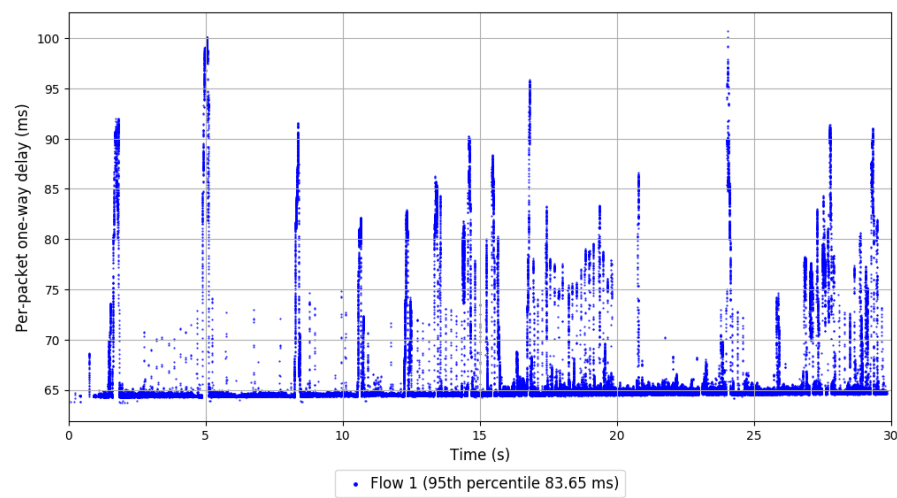
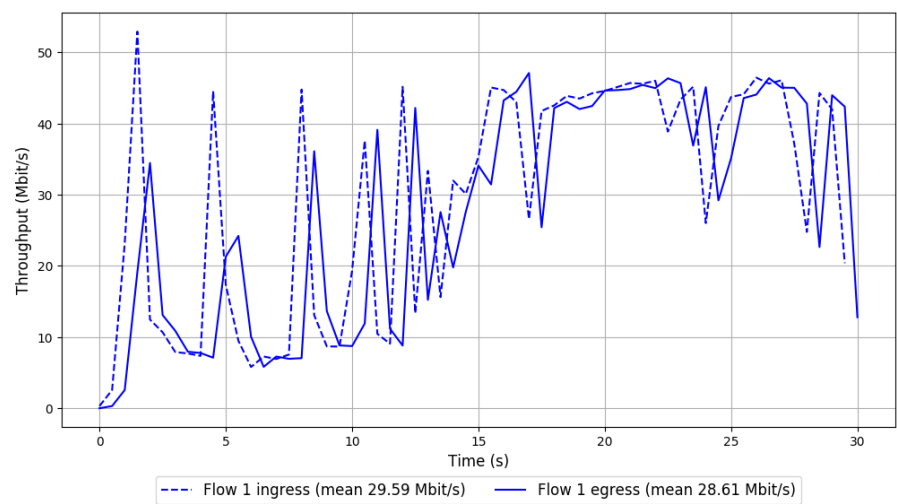
-- Flow 1:

Average throughput: 28.61 Mbit/s

95th percentile per-packet one-way delay: 83.646 ms

Loss rate: 3.78%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-10 14:02:26

End at: 2018-07-10 14:02:56

Local clock offset: -0.295 ms

Remote clock offset: 11.028 ms

# Below is generated by plot.py at 2018-07-10 16:06:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 31.76 Mbit/s

95th percentile per-packet one-way delay: 82.768 ms

Loss rate: 3.72%

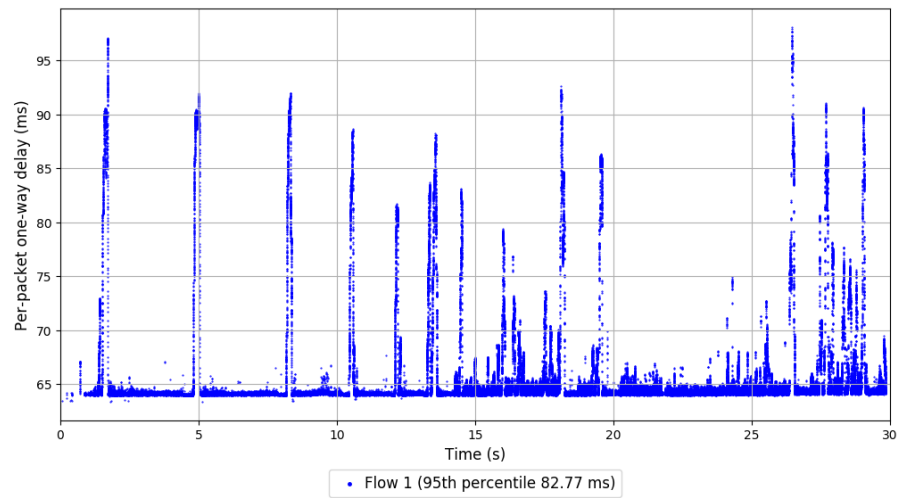
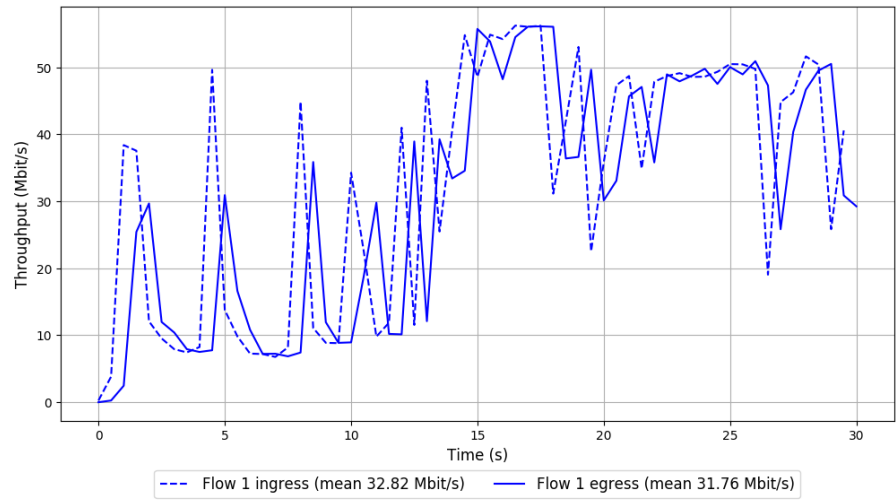
-- Flow 1:

Average throughput: 31.76 Mbit/s

95th percentile per-packet one-way delay: 82.768 ms

Loss rate: 3.72%

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

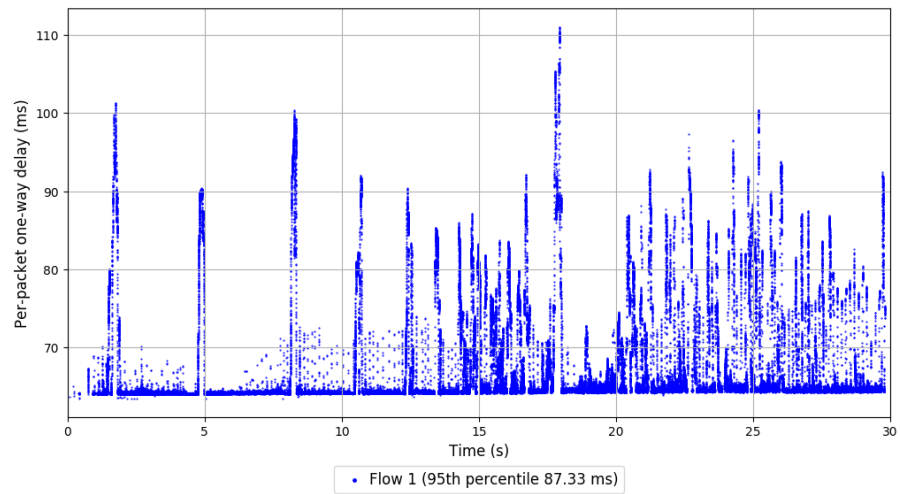
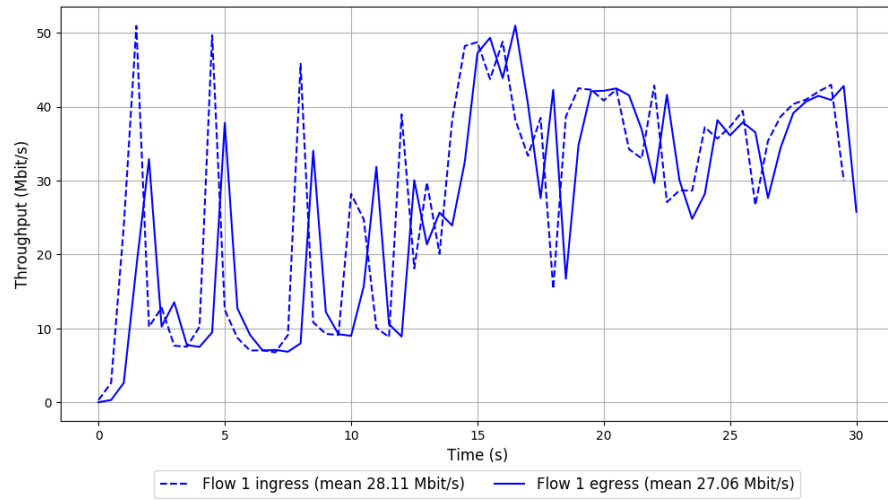


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-10 14:24:39  
End at: 2018-07-10 14:25:09  
Local clock offset: -0.167 ms  
Remote clock offset: 32.477 ms

# Below is generated by plot.py at 2018-07-10 16:06:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 27.06 Mbit/s  
95th percentile per-packet one-way delay: 87.326 ms  
Loss rate: 4.23%  
-- Flow 1:  
Average throughput: 27.06 Mbit/s  
95th percentile per-packet one-way delay: 87.326 ms  
Loss rate: 4.23%

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



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-10 14:46:52

End at: 2018-07-10 14:47:22

Local clock offset: 0.139 ms

Remote clock offset: 32.966 ms

# Below is generated by plot.py at 2018-07-10 16:06:49

# Datalink statistics

-- Total of 1 flow:

Average throughput: 34.90 Mbit/s

95th percentile per-packet one-way delay: 78.867 ms

Loss rate: 4.81%

-- Flow 1:

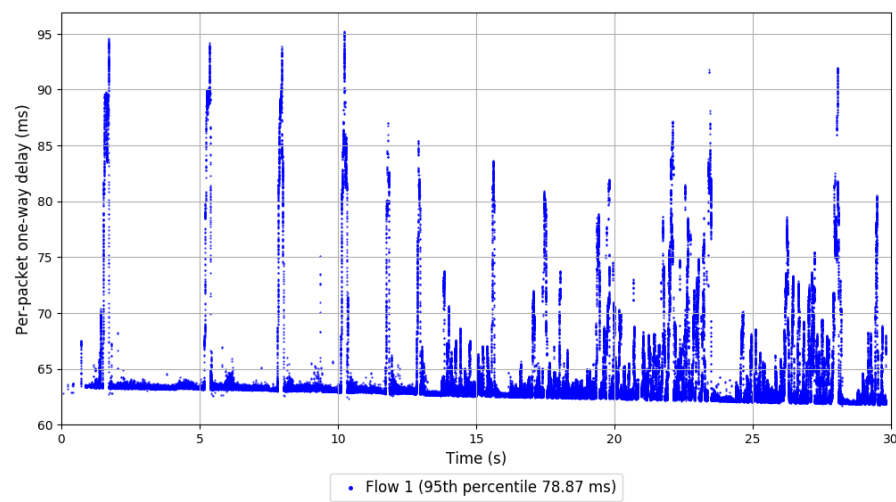
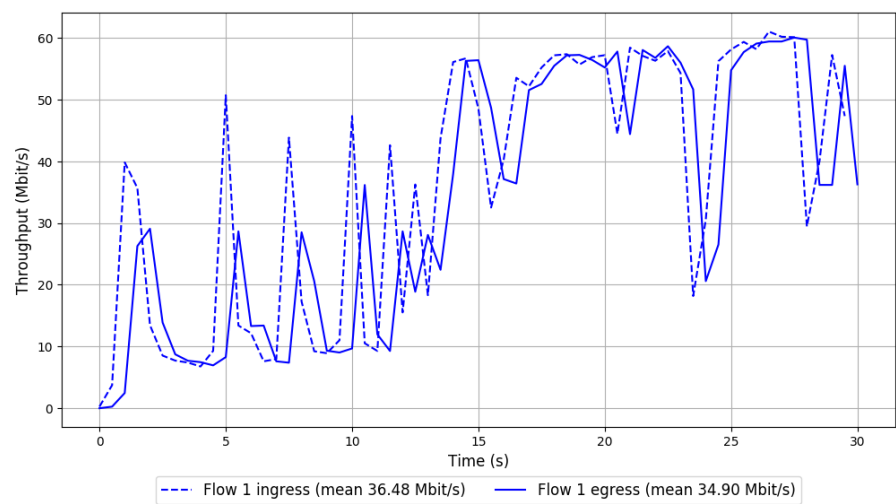
Average throughput: 34.90 Mbit/s

95th percentile per-packet one-way delay: 78.867 ms

Loss rate: 4.81%



Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-10 15:09:10

End at: 2018-07-10 15:09:40

Local clock offset: 0.262 ms

Remote clock offset: 1.514 ms

# Below is generated by plot.py at 2018-07-10 16:06:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 34.00 Mbit/s

95th percentile per-packet one-way delay: 78.475 ms

Loss rate: 2.63%

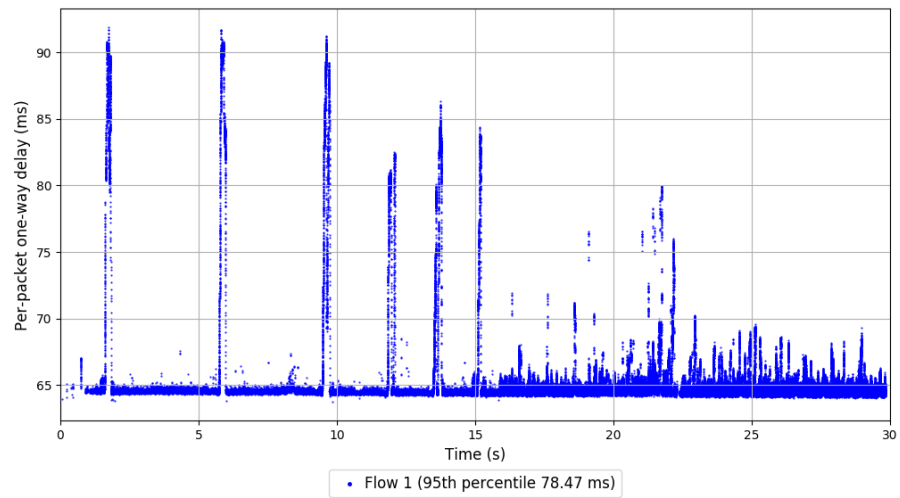
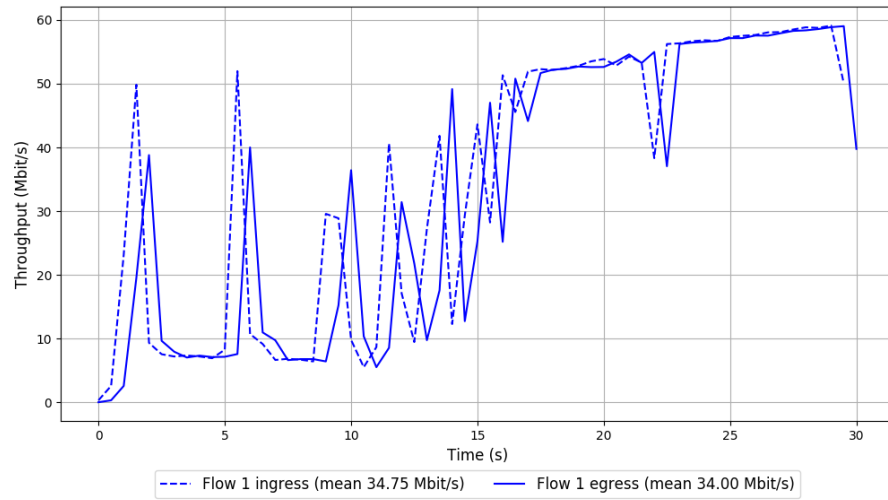
-- Flow 1:

Average throughput: 34.00 Mbit/s

95th percentile per-packet one-way delay: 78.475 ms

Loss rate: 2.63%

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



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-10 15:31:25

End at: 2018-07-10 15:31:55

Local clock offset: 0.354 ms

Remote clock offset: 7.908 ms

# Below is generated by plot.py at 2018-07-10 16:07:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 28.35 Mbit/s

95th percentile per-packet one-way delay: 81.761 ms

Loss rate: 4.05%

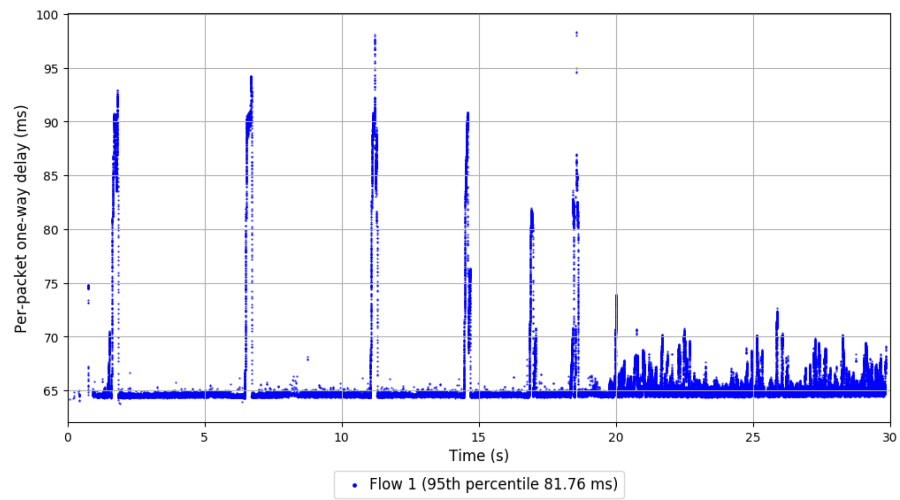
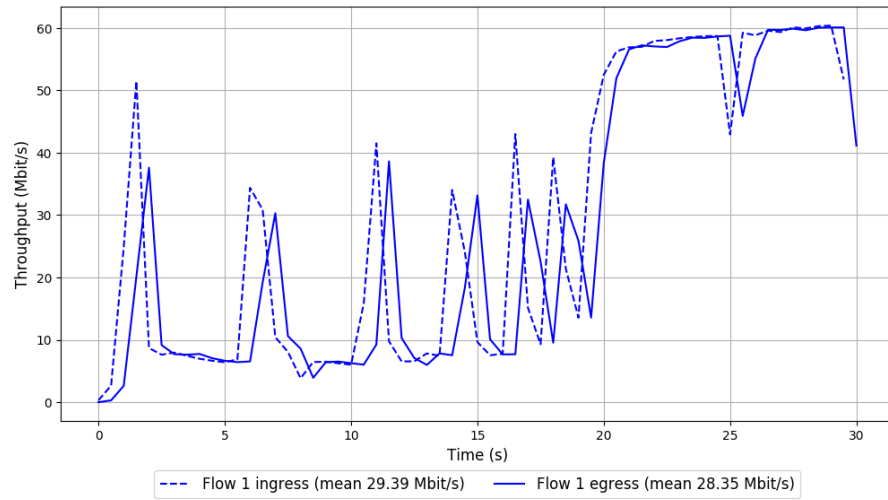
-- Flow 1:

Average throughput: 28.35 Mbit/s

95th percentile per-packet one-way delay: 81.761 ms

Loss rate: 4.05%

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



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-10 15:53:42

End at: 2018-07-10 15:54:12

Local clock offset: 0.15 ms

Remote clock offset: 7.065 ms

# Below is generated by plot.py at 2018-07-10 16:07:04

# Datalink statistics

-- Total of 1 flow:

Average throughput: 33.99 Mbit/s

95th percentile per-packet one-way delay: 77.490 ms

Loss rate: 2.81%

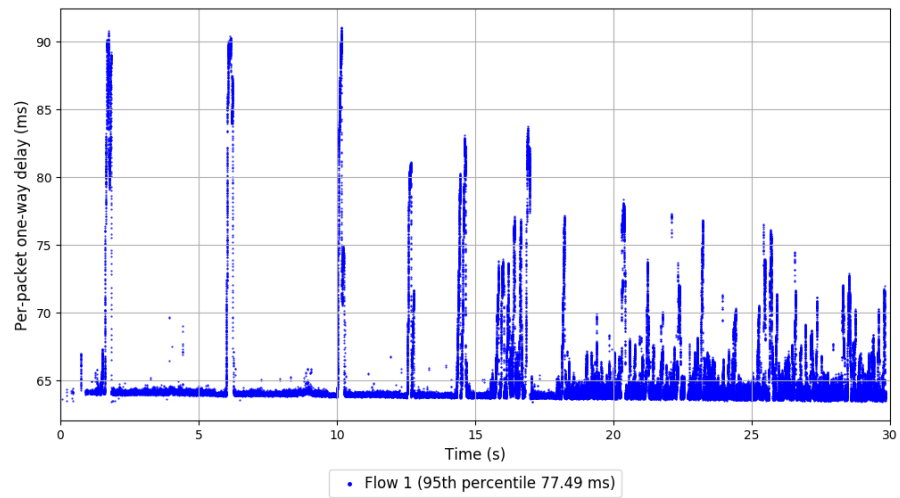
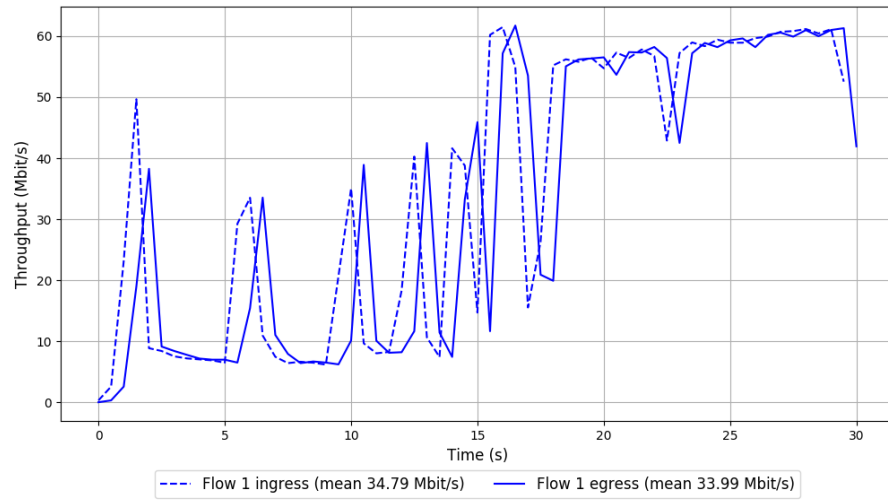
-- Flow 1:

Average throughput: 33.99 Mbit/s

95th percentile per-packet one-way delay: 77.490 ms

Loss rate: 2.81%

# Run 10: Report of QUIC Cubic — Data Link



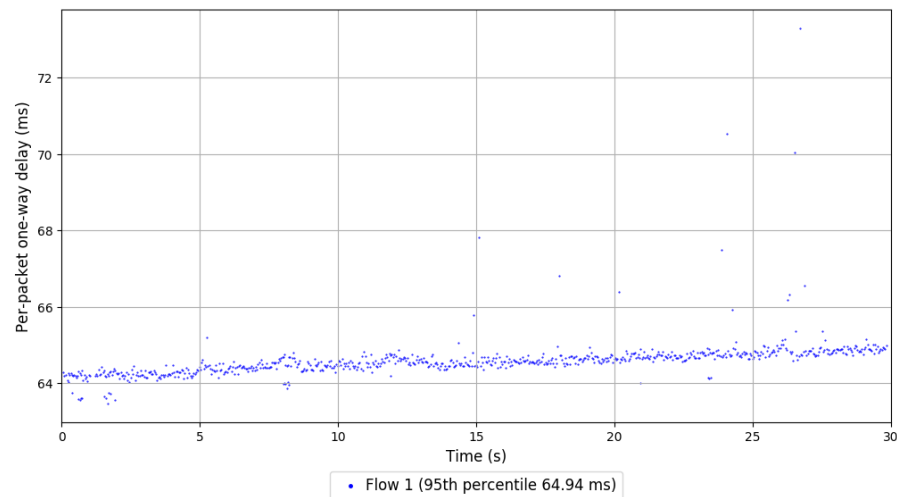
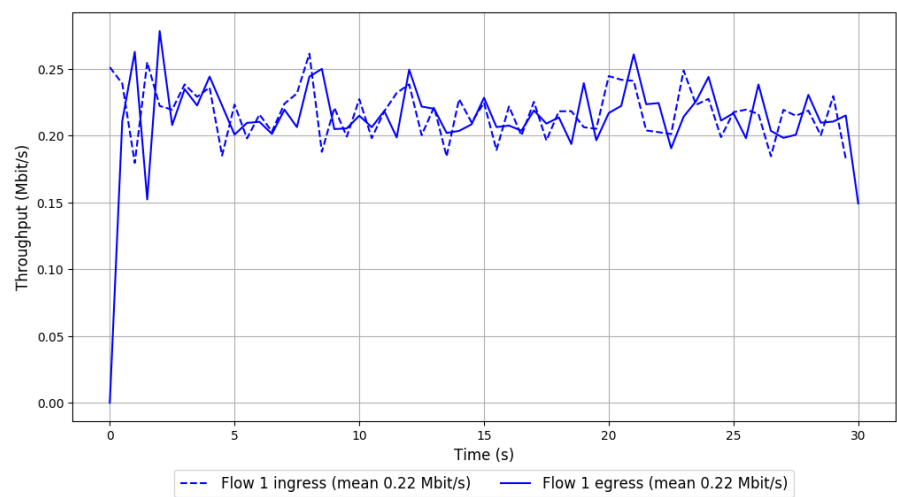
Run 1: Statistics of SCReAM

Start at: 2018-07-10 12:37:32  
End at: 2018-07-10 12:38:02  
Local clock offset: -0.986 ms  
Remote clock offset: 23.859 ms

# Below is generated by plot.py at 2018-07-10 16:07:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 64.944 ms  
Loss rate: 0.51%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 64.944 ms  
Loss rate: 0.51%



Run 1: Report of SReAM — Data Link

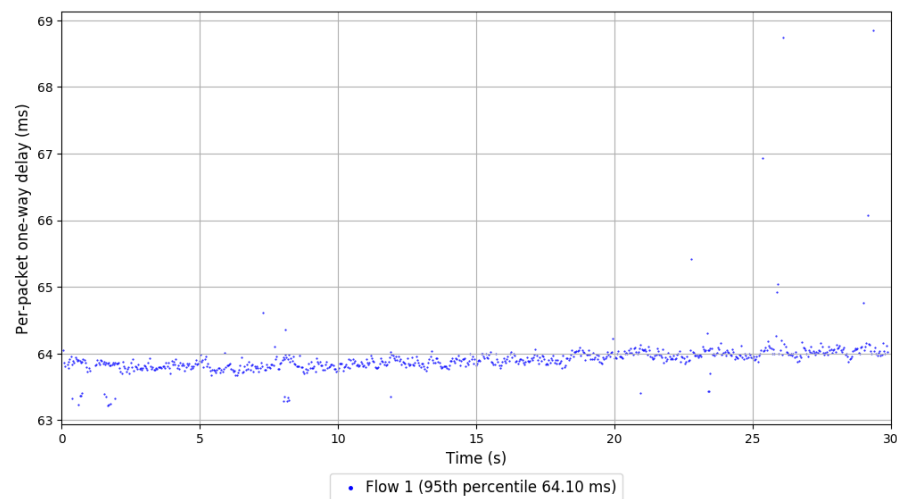
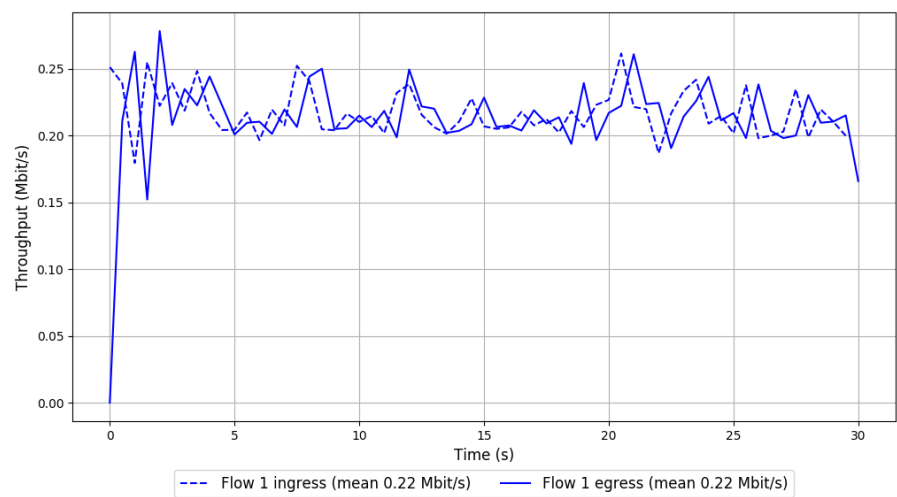


Run 2: Statistics of SCReAM

Start at: 2018-07-10 12:59:49  
End at: 2018-07-10 13:00:19  
Local clock offset: -0.899 ms  
Remote clock offset: 46.149 ms

# Below is generated by plot.py at 2018-07-10 16:07:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 64.096 ms  
Loss rate: 0.51%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 64.096 ms  
Loss rate: 0.51%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-07-10 13:22:01

End at: 2018-07-10 13:22:31

Local clock offset: -0.831 ms

Remote clock offset: 3.79 ms

# Below is generated by plot.py at 2018-07-10 16:07:04

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 63.984 ms

Loss rate: 0.38%

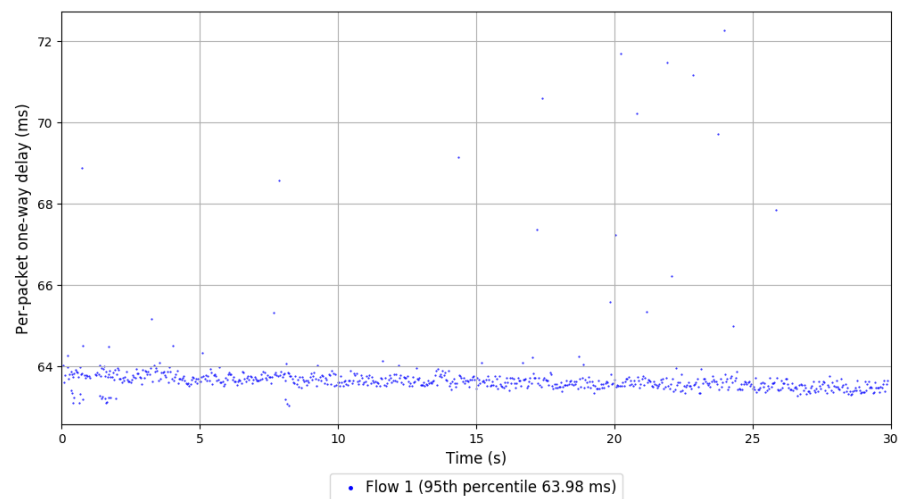
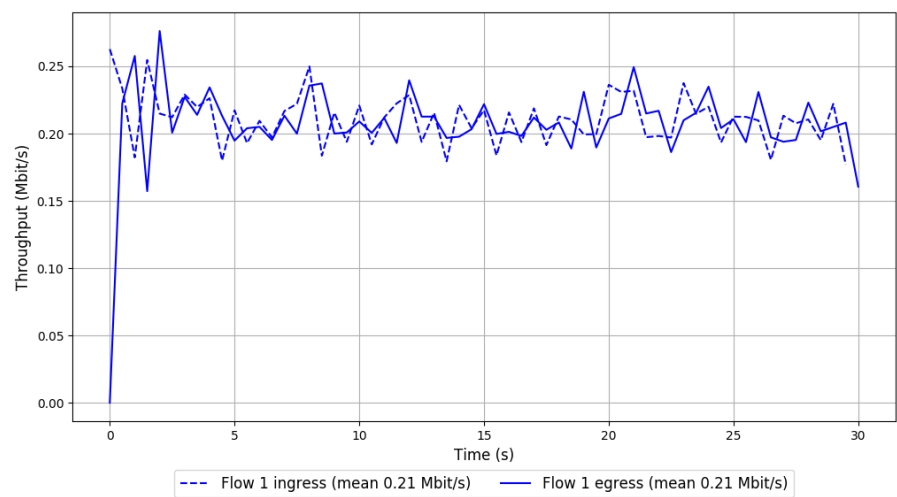
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 63.984 ms

Loss rate: 0.38%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-07-10 13:44:13

End at: 2018-07-10 13:44:43

Local clock offset: -0.331 ms

Remote clock offset: 5.752 ms

# Below is generated by plot.py at 2018-07-10 16:07:04

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 64.775 ms

Loss rate: 0.51%

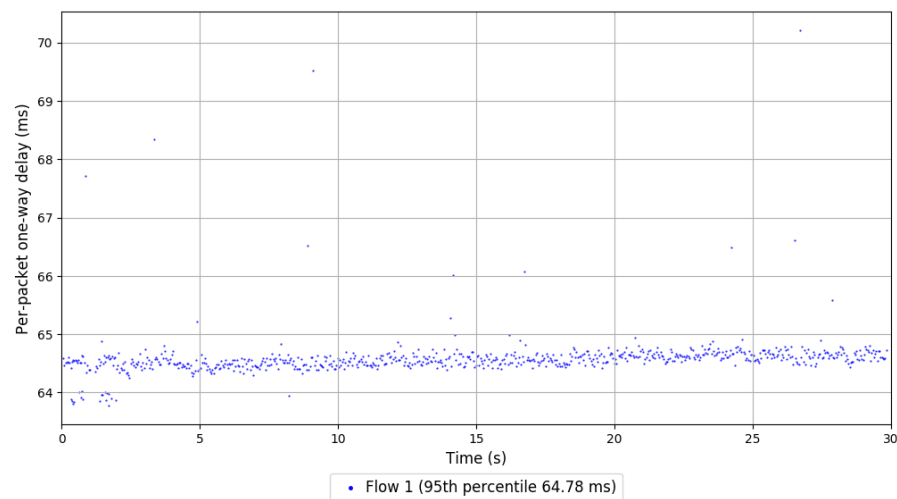
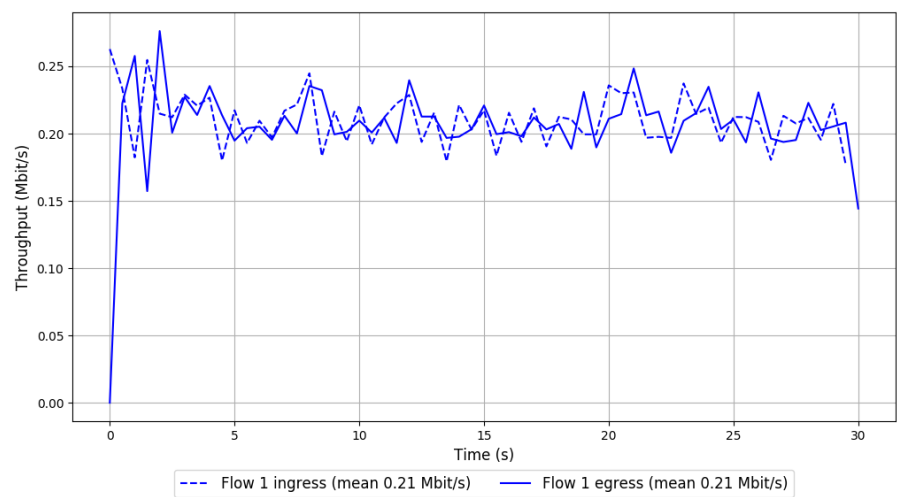
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 64.775 ms

Loss rate: 0.51%

Run 4: Report of SReAM — Data Link



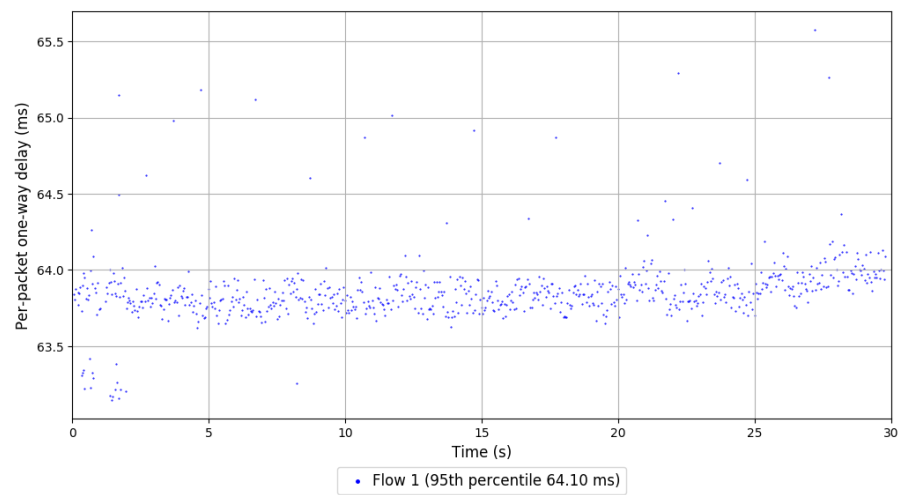
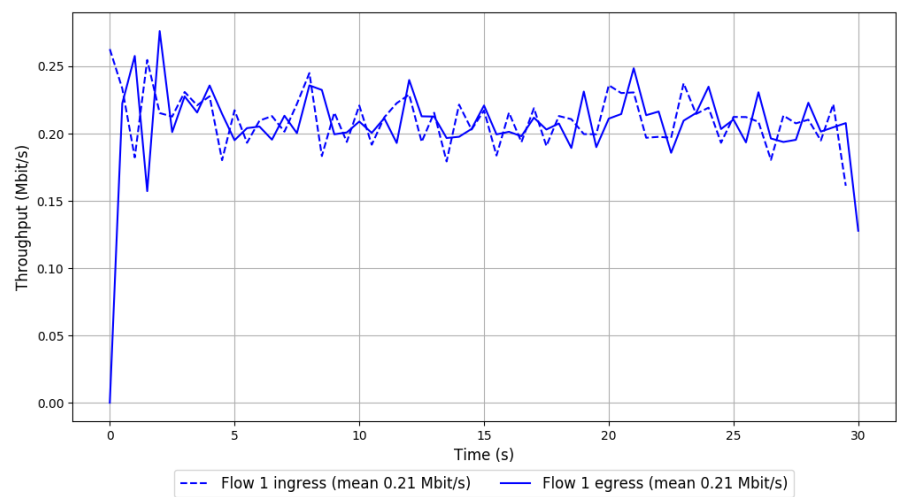
Run 5: Statistics of SCReAM

Start at: 2018-07-10 14:06:26  
End at: 2018-07-10 14:06:56  
Local clock offset: -0.298 ms  
Remote clock offset: 11.642 ms

# Below is generated by plot.py at 2018-07-10 16:07:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 64.096 ms  
Loss rate: 0.51%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 64.096 ms  
Loss rate: 0.51%



Run 5: Report of SReAM — Data Link

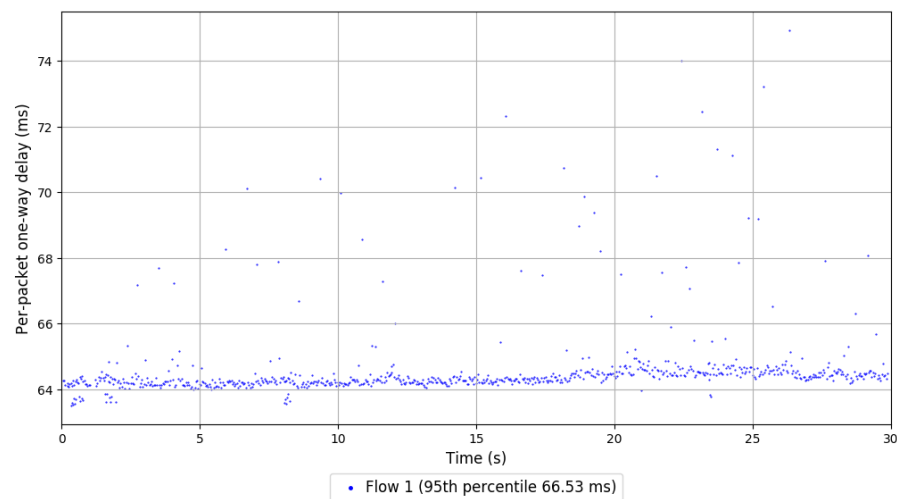
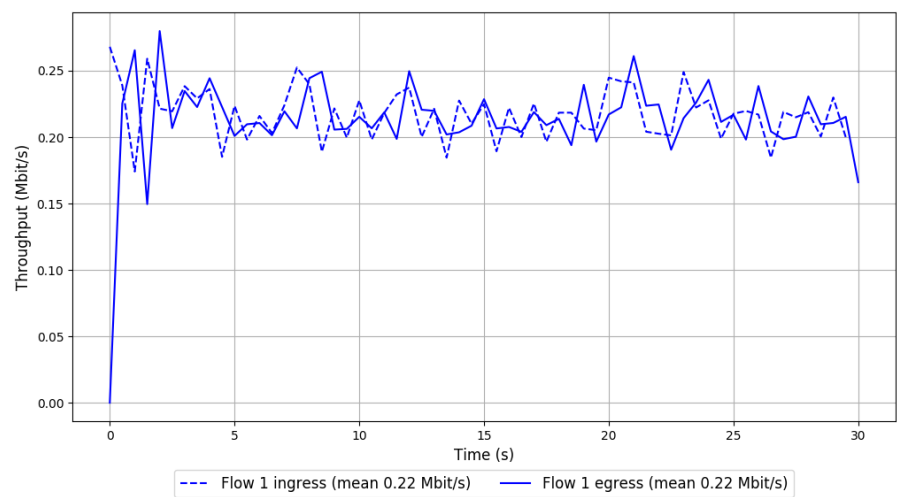


Run 6: Statistics of SCReAM

Start at: 2018-07-10 14:28:38  
End at: 2018-07-10 14:29:08  
Local clock offset: -0.137 ms  
Remote clock offset: 35.107 ms

# Below is generated by plot.py at 2018-07-10 16:07:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 66.525 ms  
Loss rate: 0.51%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 66.525 ms  
Loss rate: 0.51%

Run 6: Report of SReAM — Data Link

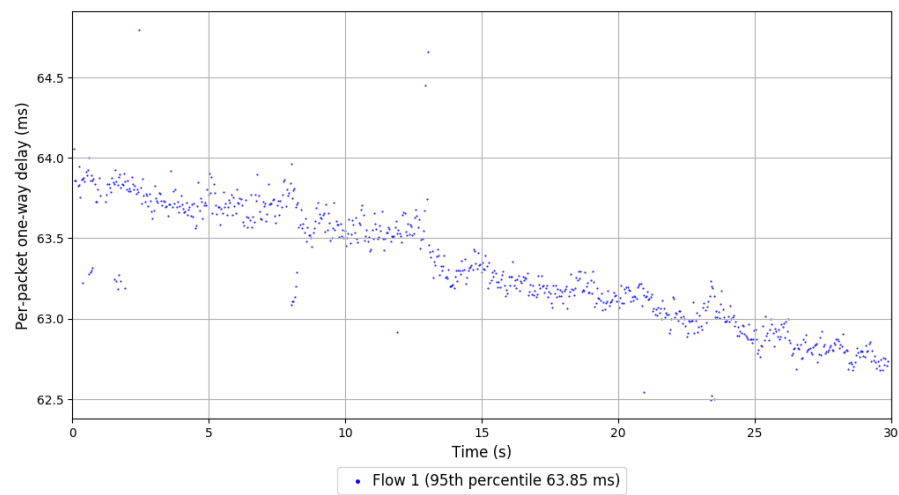
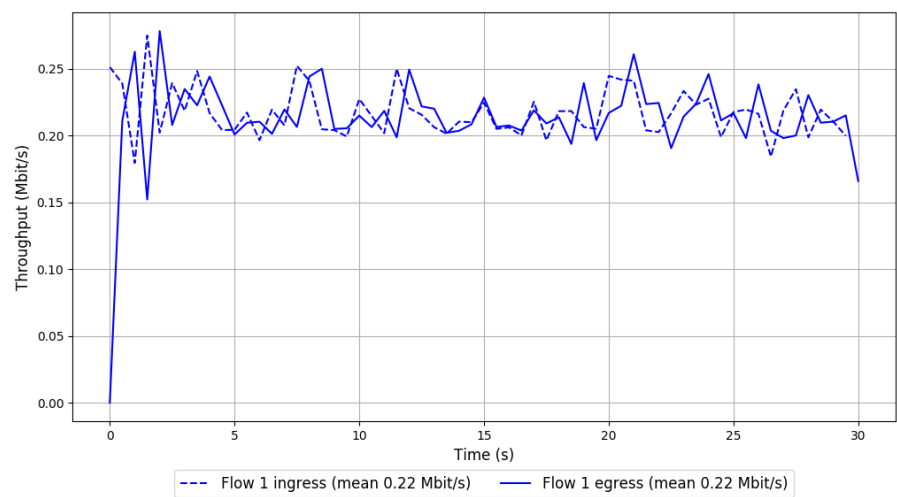


Run 7: Statistics of SCReAM

Start at: 2018-07-10 14:50:52  
End at: 2018-07-10 14:51:22  
Local clock offset: 0.206 ms  
Remote clock offset: 21.995 ms

# Below is generated by plot.py at 2018-07-10 16:07:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 63.848 ms  
Loss rate: 0.51%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 63.848 ms  
Loss rate: 0.51%

Run 7: Report of SReAM — Data Link

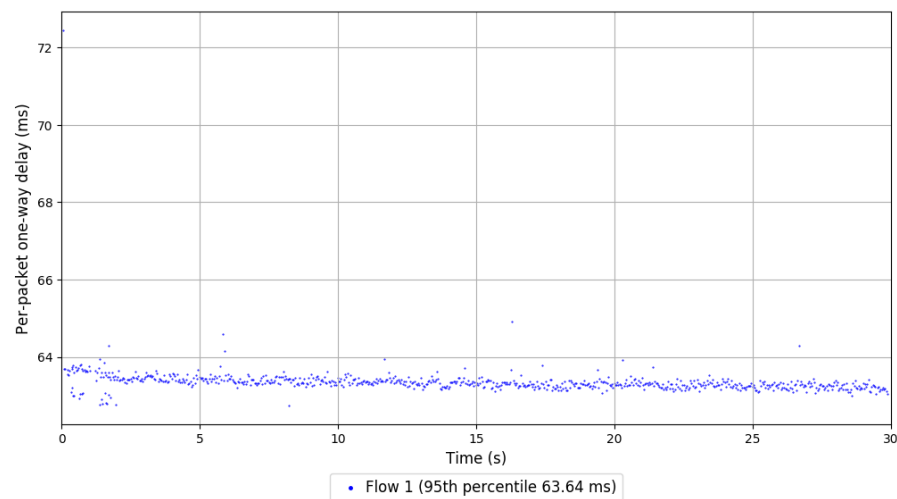
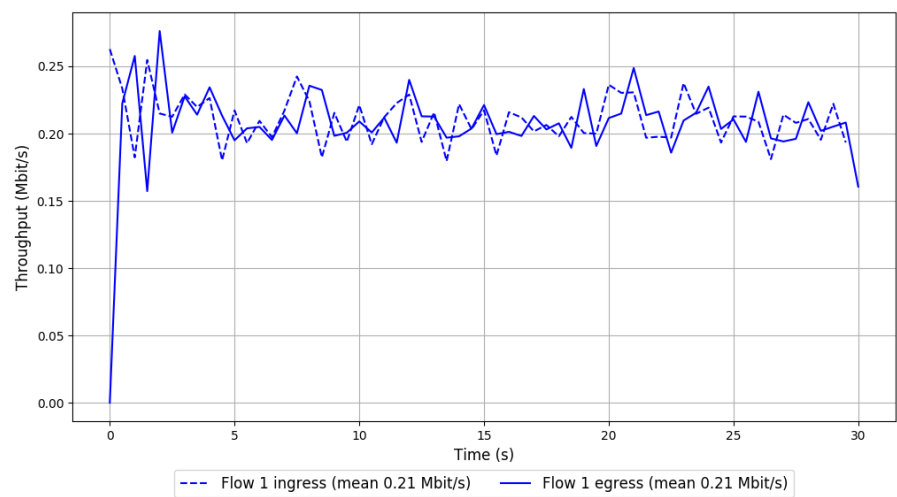


Run 8: Statistics of SCReAM

Start at: 2018-07-10 15:13:09  
End at: 2018-07-10 15:13:39  
Local clock offset: 0.13 ms  
Remote clock offset: -0.488 ms

# Below is generated by plot.py at 2018-07-10 16:07:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 63.636 ms  
Loss rate: 0.51%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 63.636 ms  
Loss rate: 0.51%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-07-10 15:35:25

End at: 2018-07-10 15:35:55

Local clock offset: 0.247 ms

Remote clock offset: 8.812 ms

# Below is generated by plot.py at 2018-07-10 16:07:04

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 64.467 ms

Loss rate: 0.51%

-- Flow 1:

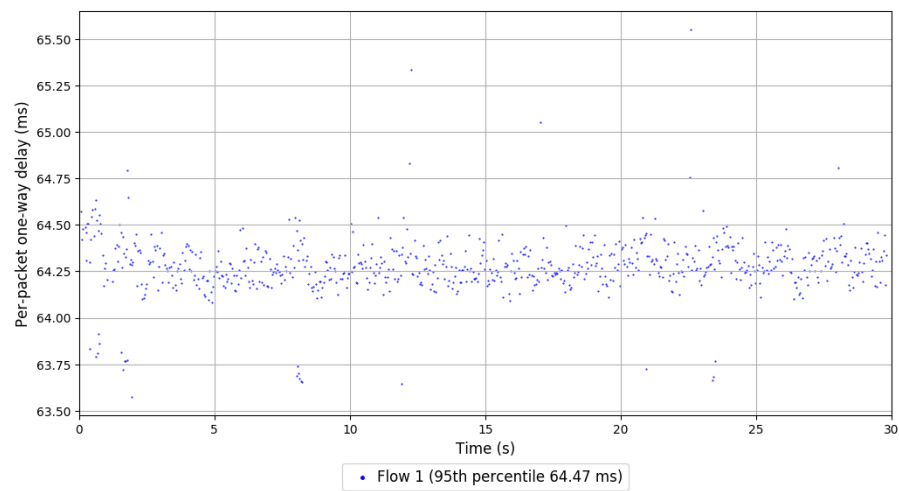
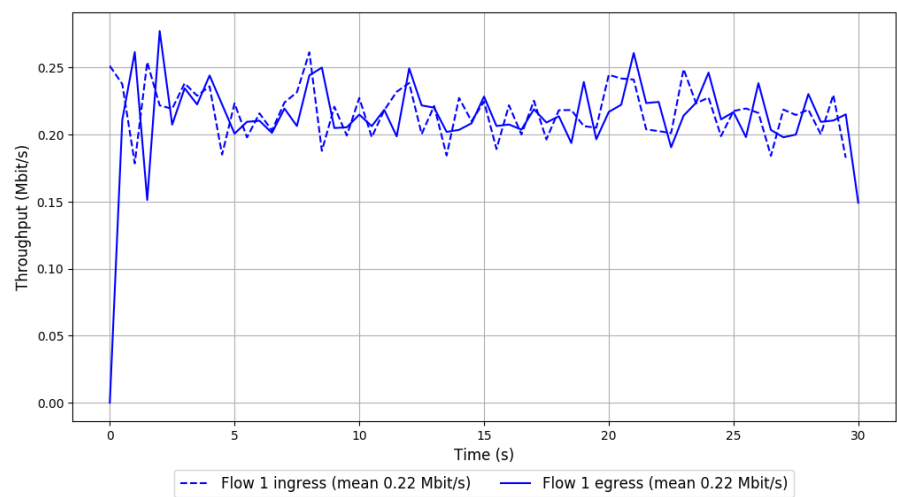
Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 64.467 ms

Loss rate: 0.51%



Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-07-10 15:57:41

End at: 2018-07-10 15:58:11

Local clock offset: 0.157 ms

Remote clock offset: 3.604 ms

# Below is generated by plot.py at 2018-07-10 16:07:04

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 64.485 ms

Loss rate: 0.51%

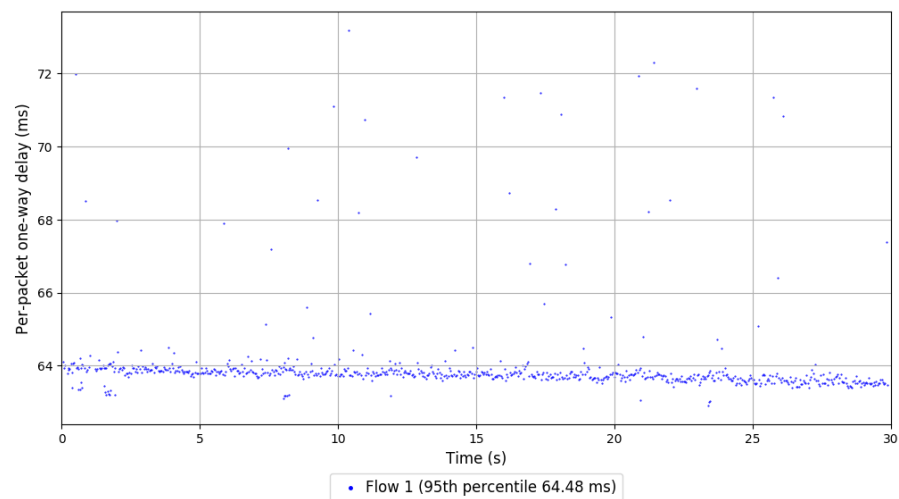
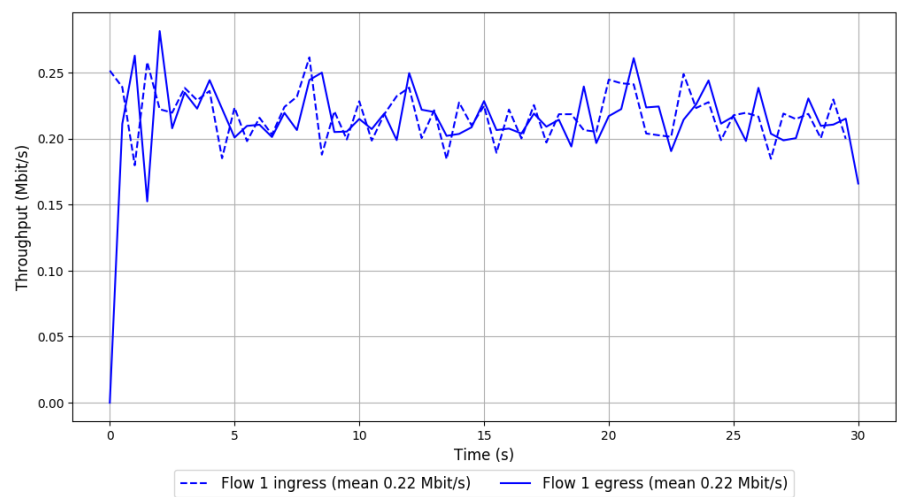
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 64.485 ms

Loss rate: 0.51%

Run 10: Report of SReAM — Data Link

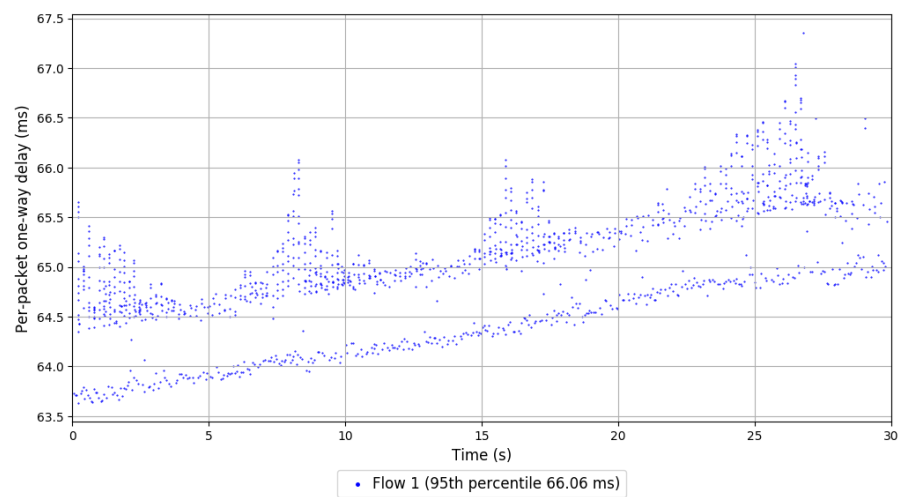
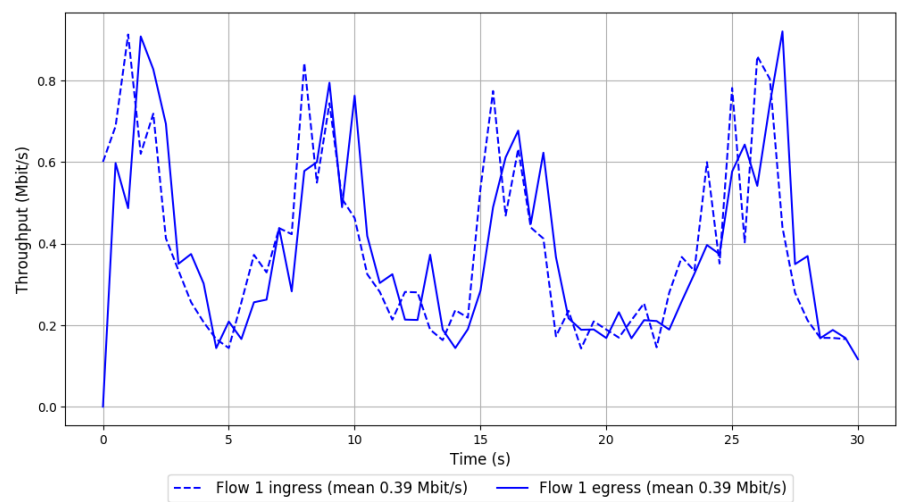


Run 1: Statistics of Sprout

Start at: 2018-07-10 12:32:18  
End at: 2018-07-10 12:32:48  
Local clock offset: -1.041 ms  
Remote clock offset: 12.641 ms

# Below is generated by plot.py at 2018-07-10 16:07:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.39 Mbit/s  
95th percentile per-packet one-way delay: 66.055 ms  
Loss rate: 0.32%  
-- Flow 1:  
Average throughput: 0.39 Mbit/s  
95th percentile per-packet one-way delay: 66.055 ms  
Loss rate: 0.32%

Run 1: Report of Sprout — Data Link

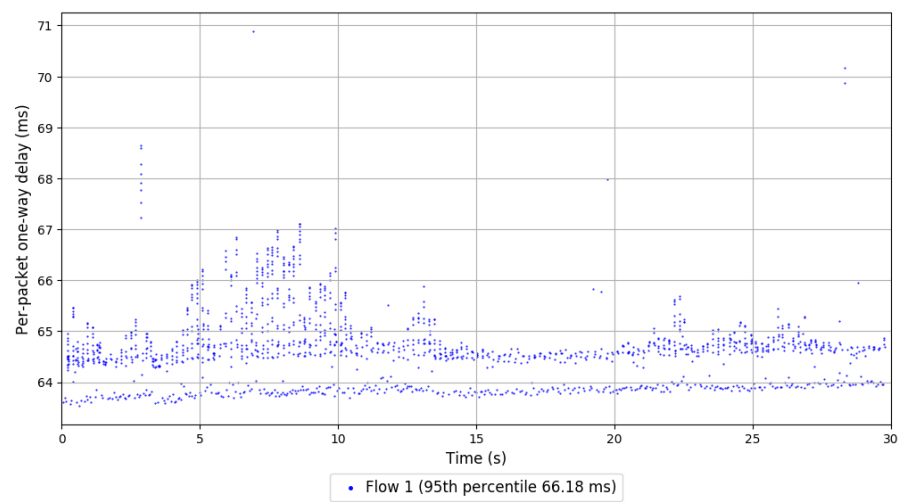
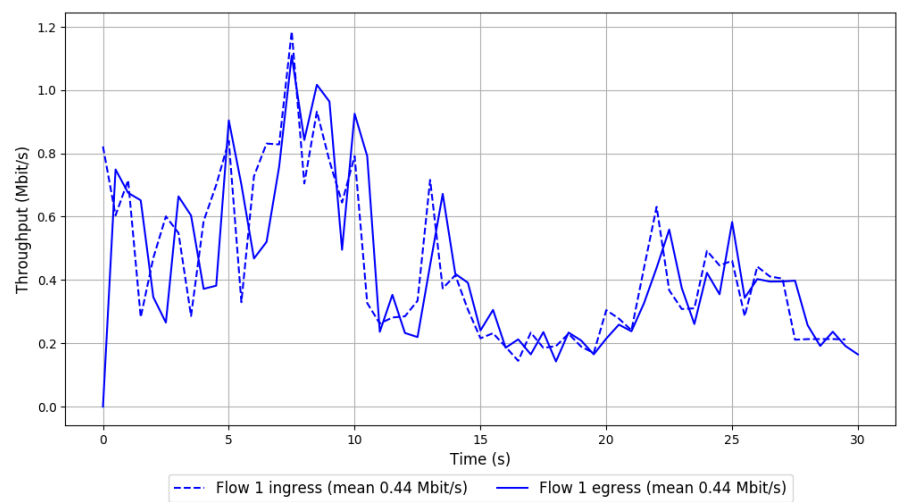


Run 2: Statistics of Sprout

Start at: 2018-07-10 12:54:33  
End at: 2018-07-10 12:55:03  
Local clock offset: -0.961 ms  
Remote clock offset: 42.327 ms

# Below is generated by plot.py at 2018-07-10 16:07:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 66.184 ms  
Loss rate: 0.35%  
-- Flow 1:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 66.184 ms  
Loss rate: 0.35%

Run 2: Report of Sprout — Data Link



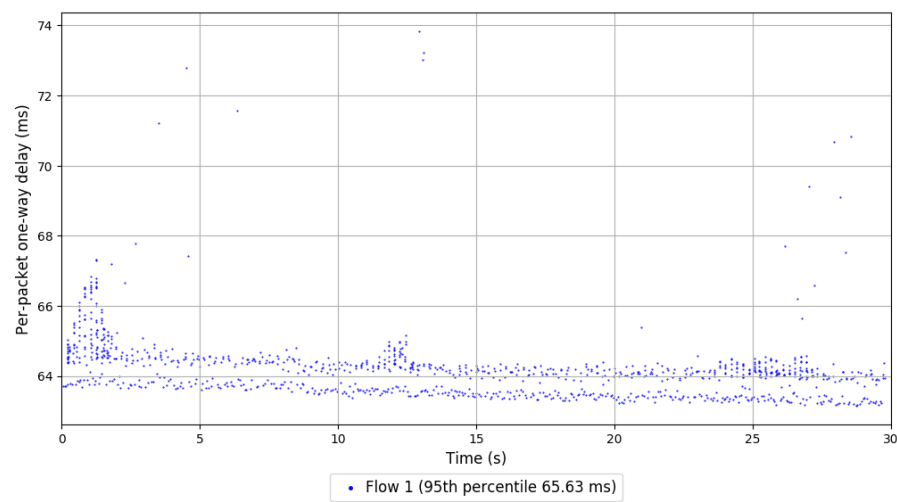
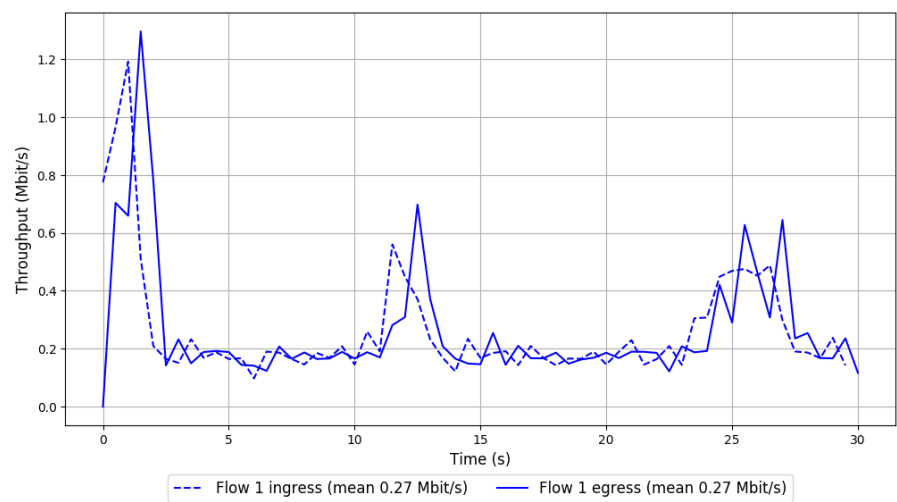
Run 3: Statistics of Sprout

Start at: 2018-07-10 13:16:47  
End at: 2018-07-10 13:17:17  
Local clock offset: -0.69 ms  
Remote clock offset: 7.986 ms

# Below is generated by plot.py at 2018-07-10 16:07:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.27 Mbit/s  
95th percentile per-packet one-way delay: 65.629 ms  
Loss rate: 0.31%  
-- Flow 1:  
Average throughput: 0.27 Mbit/s  
95th percentile per-packet one-way delay: 65.629 ms  
Loss rate: 0.31%



Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-07-10 13:38:59

End at: 2018-07-10 13:39:29

Local clock offset: -0.496 ms

Remote clock offset: 2.171 ms

# Below is generated by plot.py at 2018-07-10 16:07:04

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.78 Mbit/s

95th percentile per-packet one-way delay: 67.582 ms

Loss rate: 0.01%

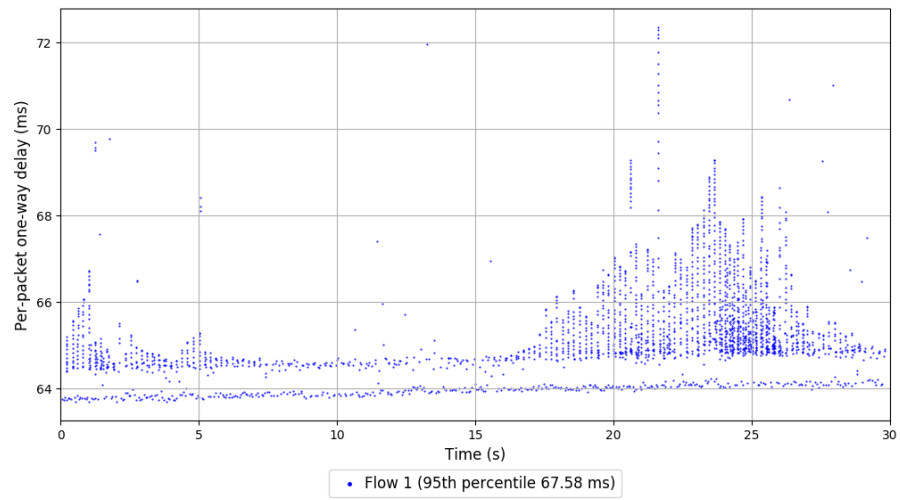
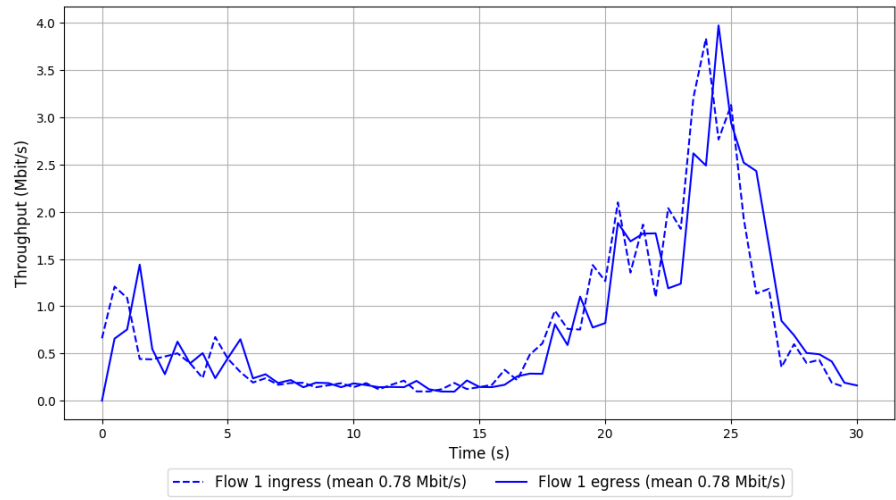
-- Flow 1:

Average throughput: 0.78 Mbit/s

95th percentile per-packet one-way delay: 67.582 ms

Loss rate: 0.01%

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

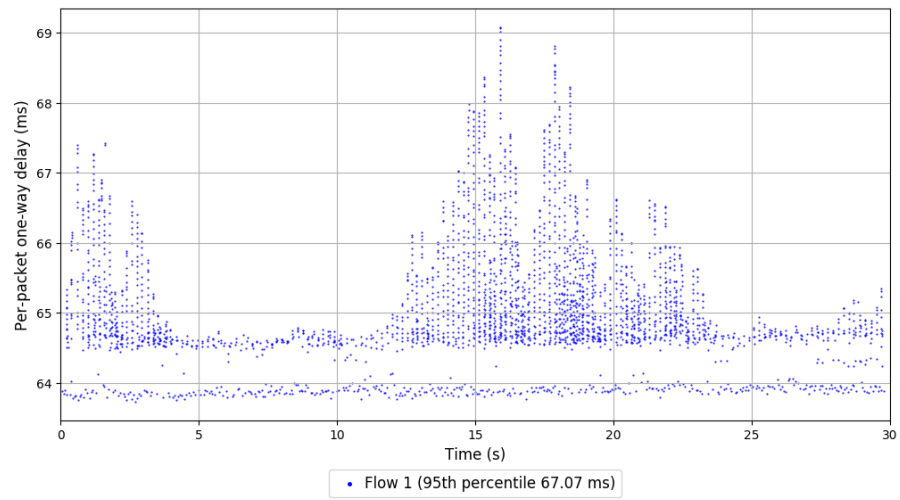
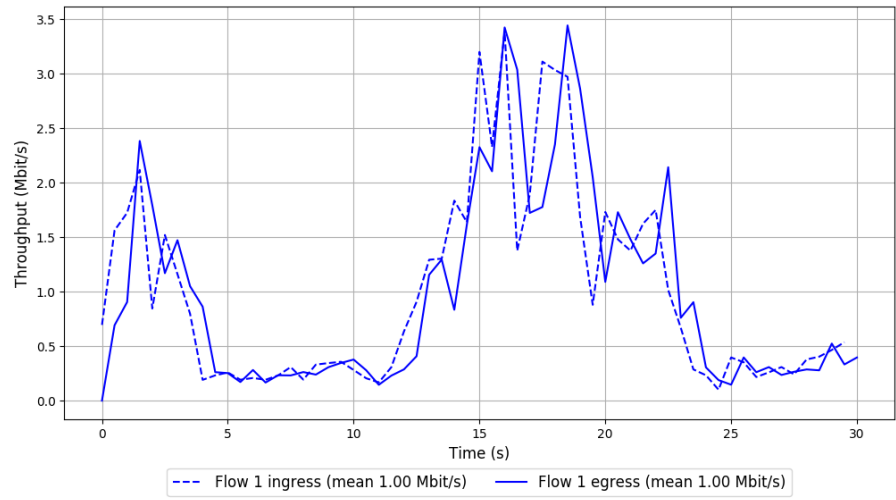


Run 5: Statistics of Sprout

Start at: 2018-07-10 14:01:10  
End at: 2018-07-10 14:01:40  
Local clock offset: -0.295 ms  
Remote clock offset: 10.805 ms

# Below is generated by plot.py at 2018-07-10 16:07:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.00 Mbit/s  
95th percentile per-packet one-way delay: 67.068 ms  
Loss rate: 0.46%  
-- Flow 1:  
Average throughput: 1.00 Mbit/s  
95th percentile per-packet one-way delay: 67.068 ms  
Loss rate: 0.46%

## Run 5: Report of Sprout — Data Link

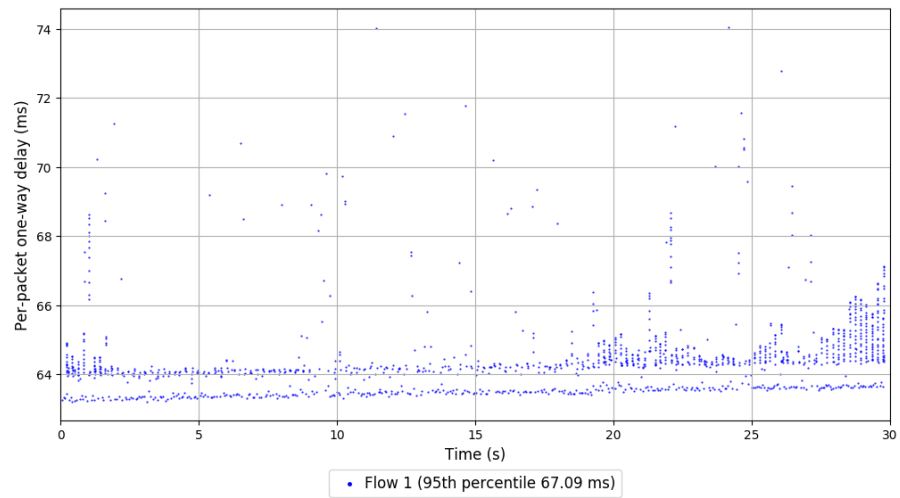
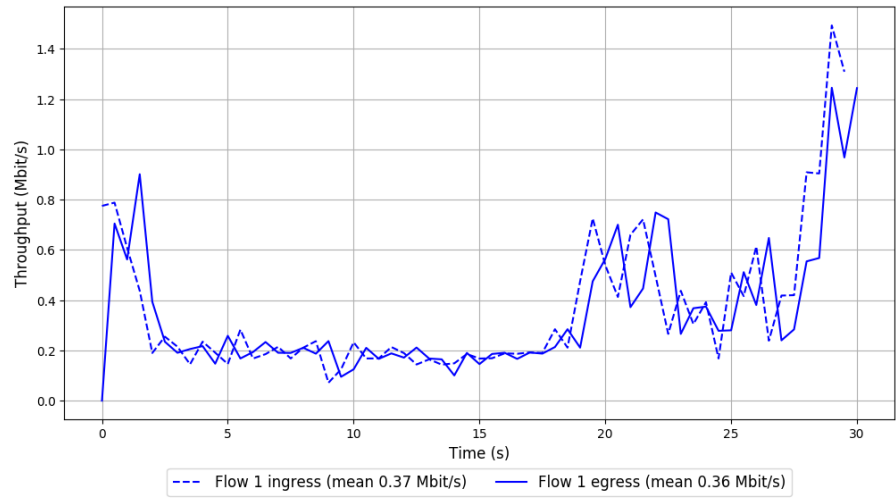


Run 6: Statistics of Sprout

Start at: 2018-07-10 14:23:24  
End at: 2018-07-10 14:23:54  
Local clock offset: -0.254 ms  
Remote clock offset: 31.456 ms

# Below is generated by plot.py at 2018-07-10 16:07:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.36 Mbit/s  
95th percentile per-packet one-way delay: 67.092 ms  
Loss rate: 2.71%  
-- Flow 1:  
Average throughput: 0.36 Mbit/s  
95th percentile per-packet one-way delay: 67.092 ms  
Loss rate: 2.71%

## Run 6: Report of Sprout — Data Link



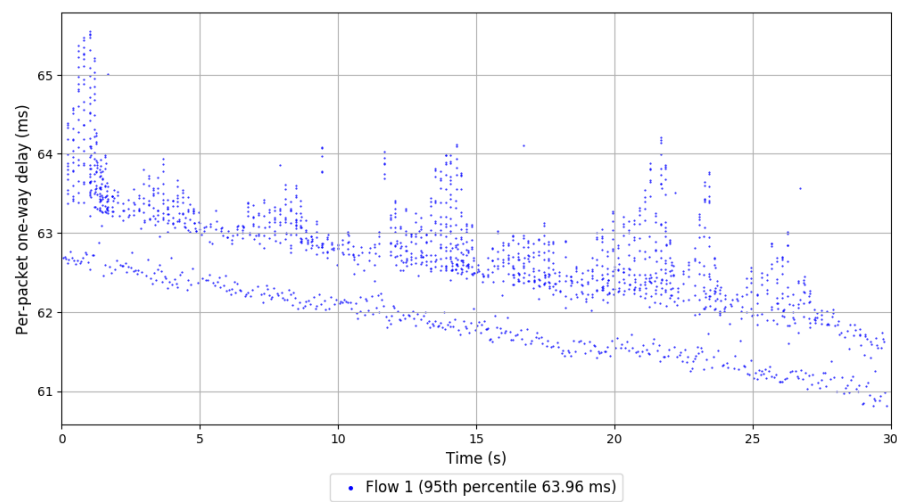
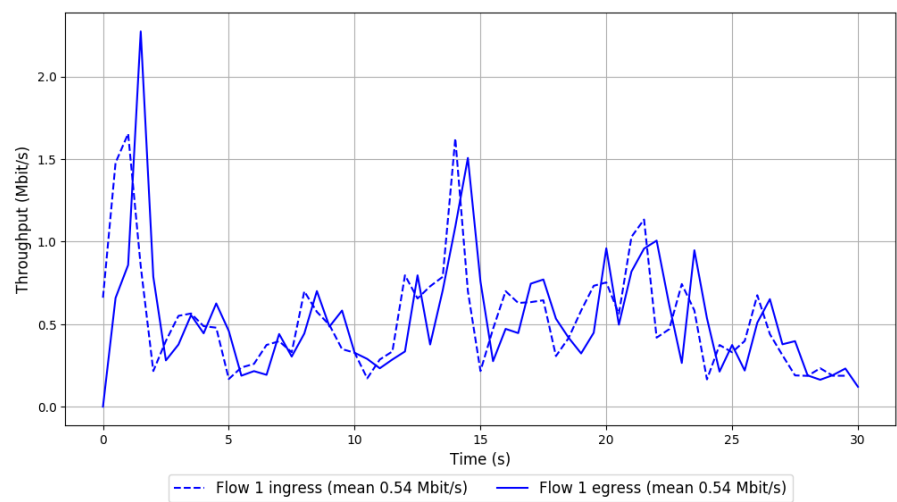
Run 7: Statistics of Sprout

Start at: 2018-07-10 14:45:36  
End at: 2018-07-10 14:46:06  
Local clock offset: 0.2 ms  
Remote clock offset: 37.527 ms

# Below is generated by plot.py at 2018-07-10 16:07:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.54 Mbit/s  
95th percentile per-packet one-way delay: 63.962 ms  
Loss rate: 0.28%  
-- Flow 1:  
Average throughput: 0.54 Mbit/s  
95th percentile per-packet one-way delay: 63.962 ms  
Loss rate: 0.28%



Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-07-10 15:07:54

End at: 2018-07-10 15:08:24

Local clock offset: 0.205 ms

Remote clock offset: 2.212 ms

# Below is generated by plot.py at 2018-07-10 16:07:04

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.61 Mbit/s

95th percentile per-packet one-way delay: 66.313 ms

Loss rate: 0.26%

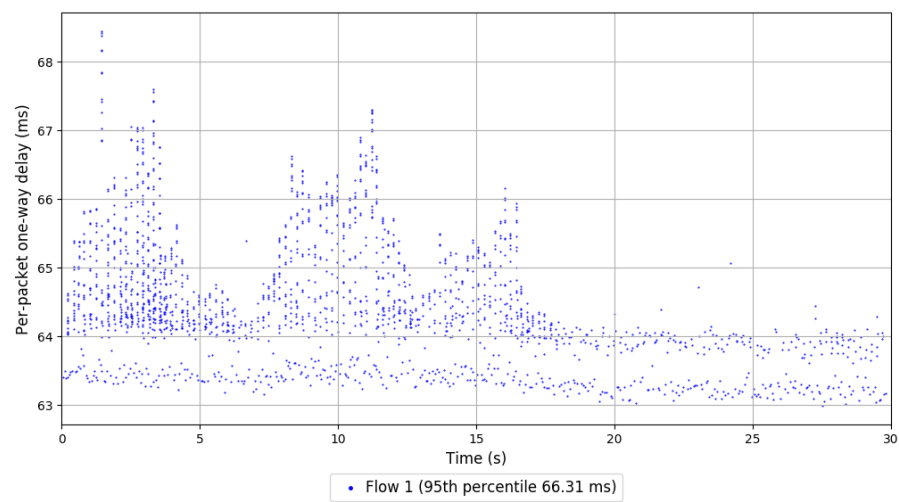
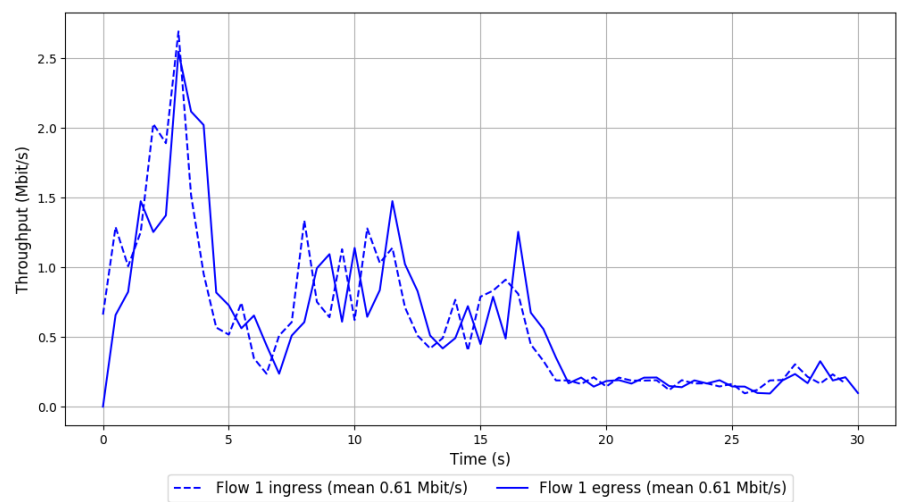
-- Flow 1:

Average throughput: 0.61 Mbit/s

95th percentile per-packet one-way delay: 66.313 ms

Loss rate: 0.26%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-07-10 15:30:09

End at: 2018-07-10 15:30:39

Local clock offset: 0.213 ms

Remote clock offset: 7.604 ms

# Below is generated by plot.py at 2018-07-10 16:07:04

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.87 Mbit/s

95th percentile per-packet one-way delay: 66.852 ms

Loss rate: 0.19%

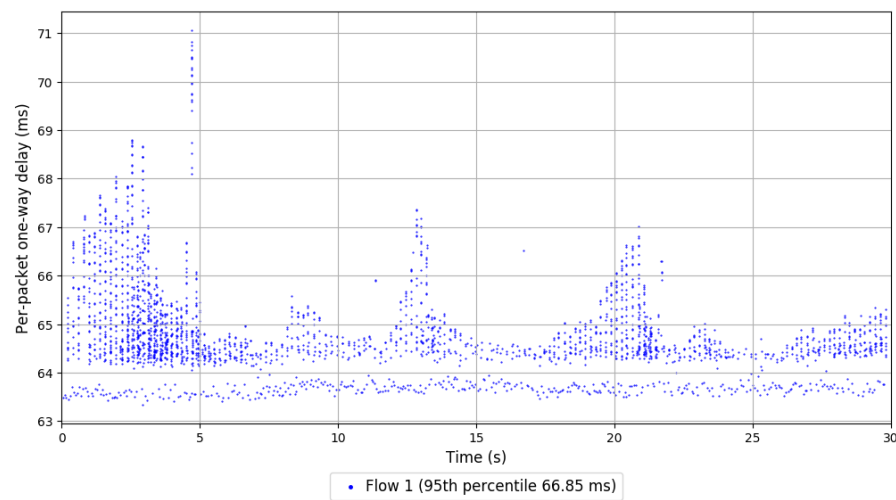
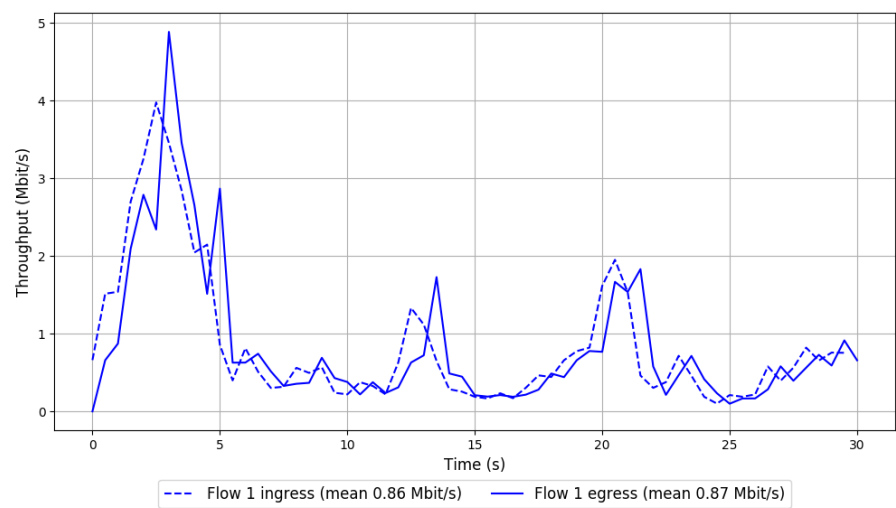
-- Flow 1:

Average throughput: 0.87 Mbit/s

95th percentile per-packet one-way delay: 66.852 ms

Loss rate: 0.19%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-10 15:52:26

End at: 2018-07-10 15:52:56

Local clock offset: 0.303 ms

Remote clock offset: 8.46 ms

# Below is generated by plot.py at 2018-07-10 16:07:04

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 66.389 ms

Loss rate: 0.02%

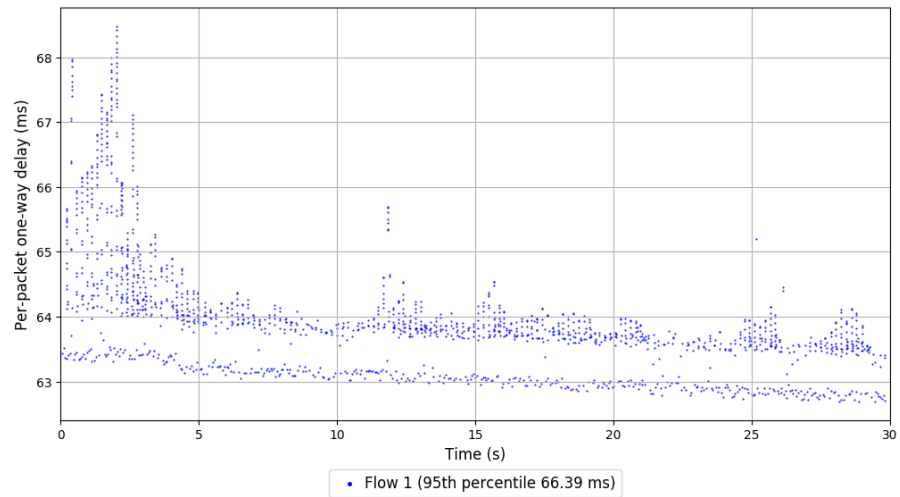
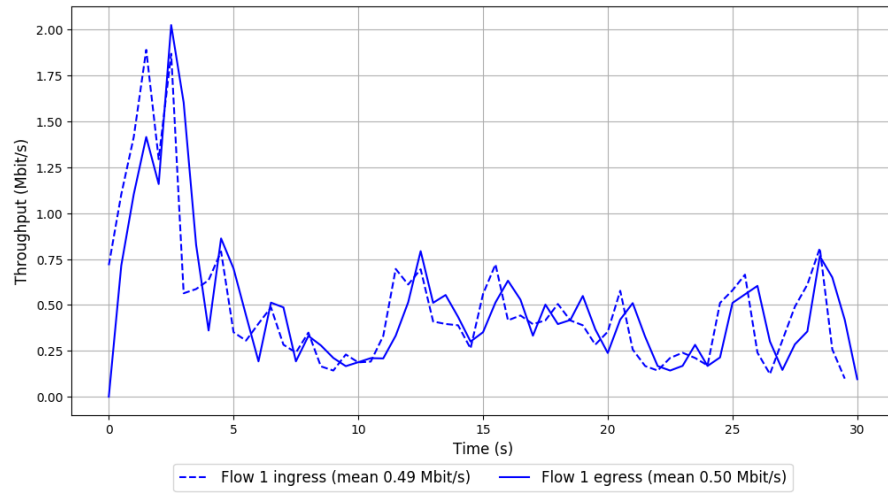
-- Flow 1:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 66.389 ms

Loss rate: 0.02%

## Run 10: Report of Sprout — Data Link



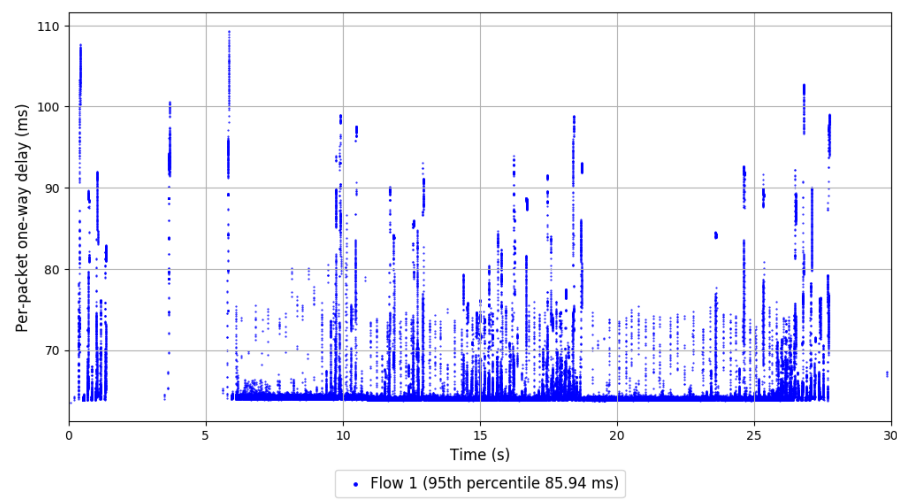
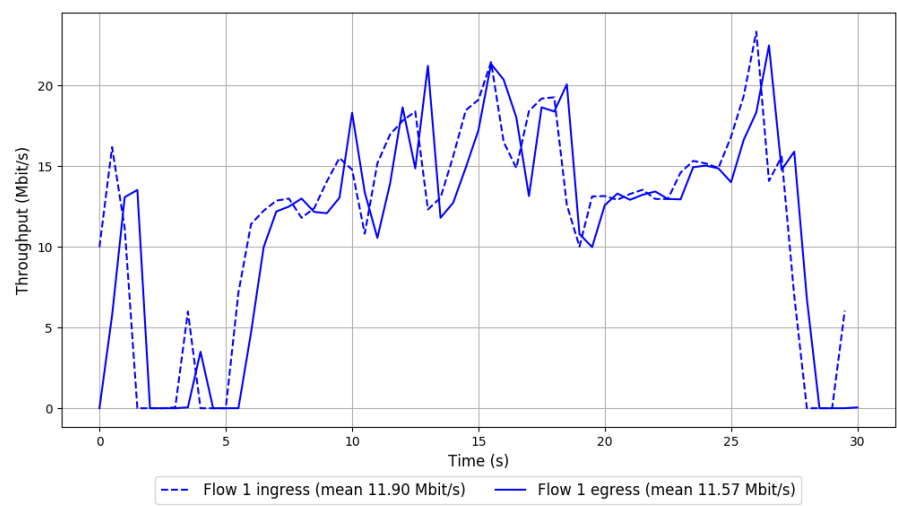
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-10 12:16:35  
End at: 2018-07-10 12:17:05  
Local clock offset: -1.093 ms  
Remote clock offset: -2.782 ms

# Below is generated by plot.py at 2018-07-10 16:07:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.57 Mbit/s  
95th percentile per-packet one-way delay: 85.936 ms  
Loss rate: 3.32%  
-- Flow 1:  
Average throughput: 11.57 Mbit/s  
95th percentile per-packet one-way delay: 85.936 ms  
Loss rate: 3.32%



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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-10 12:38:48

End at: 2018-07-10 12:39:18

Local clock offset: -0.994 ms

Remote clock offset: 25.93 ms

# Below is generated by plot.py at 2018-07-10 16:07:09

# Datalink statistics

-- Total of 1 flow:

Average throughput: 15.74 Mbit/s

95th percentile per-packet one-way delay: 80.344 ms

Loss rate: 1.25%

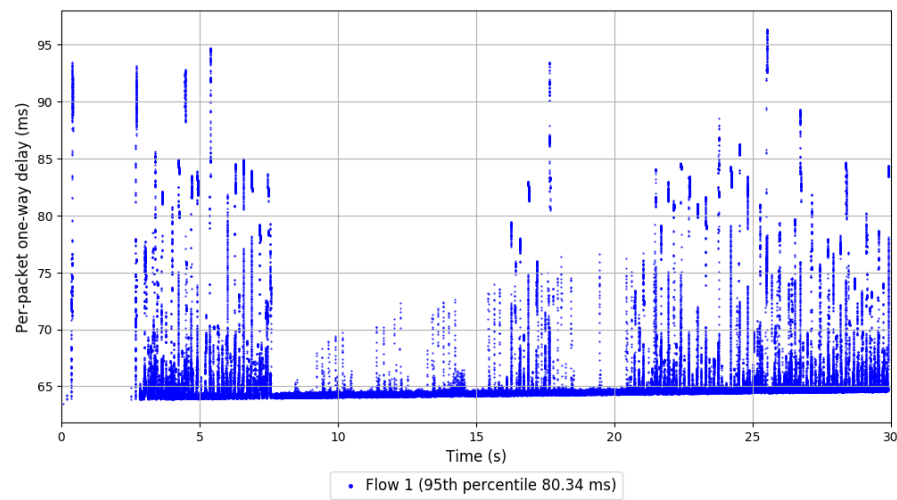
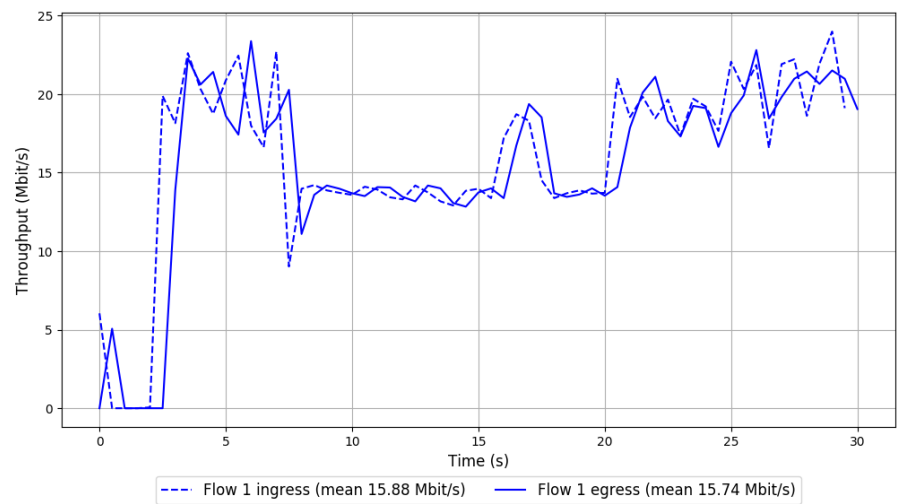
-- Flow 1:

Average throughput: 15.74 Mbit/s

95th percentile per-packet one-way delay: 80.344 ms

Loss rate: 1.25%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-10 13:01:04

End at: 2018-07-10 13:01:34

Local clock offset: -0.874 ms

Remote clock offset: 46.984 ms

# Below is generated by plot.py at 2018-07-10 16:07:09

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.37 Mbit/s

95th percentile per-packet one-way delay: 81.736 ms

Loss rate: 3.19%

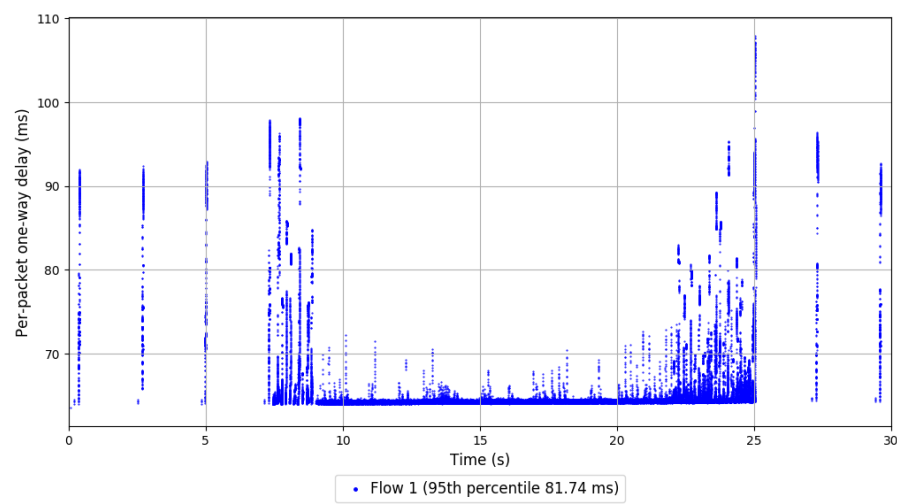
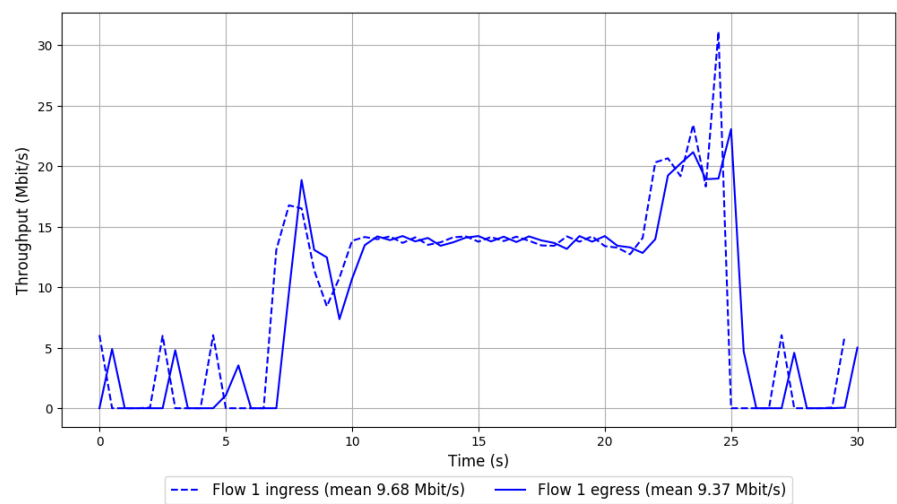
-- Flow 1:

Average throughput: 9.37 Mbit/s

95th percentile per-packet one-way delay: 81.736 ms

Loss rate: 3.19%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-10 13:23:17

End at: 2018-07-10 13:23:47

Local clock offset: -0.634 ms

Remote clock offset: 3.087 ms

# Below is generated by plot.py at 2018-07-10 16:07:09

# Datalink statistics

-- Total of 1 flow:

Average throughput: 14.35 Mbit/s

95th percentile per-packet one-way delay: 79.113 ms

Loss rate: 4.72%

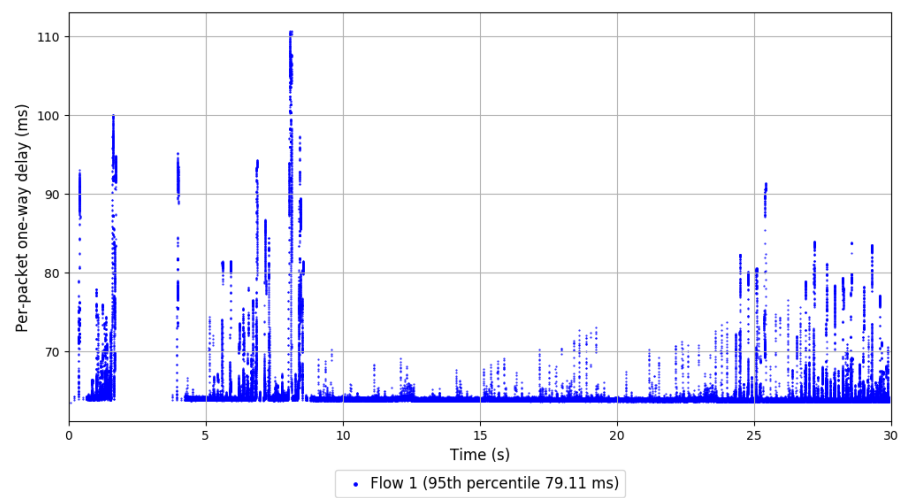
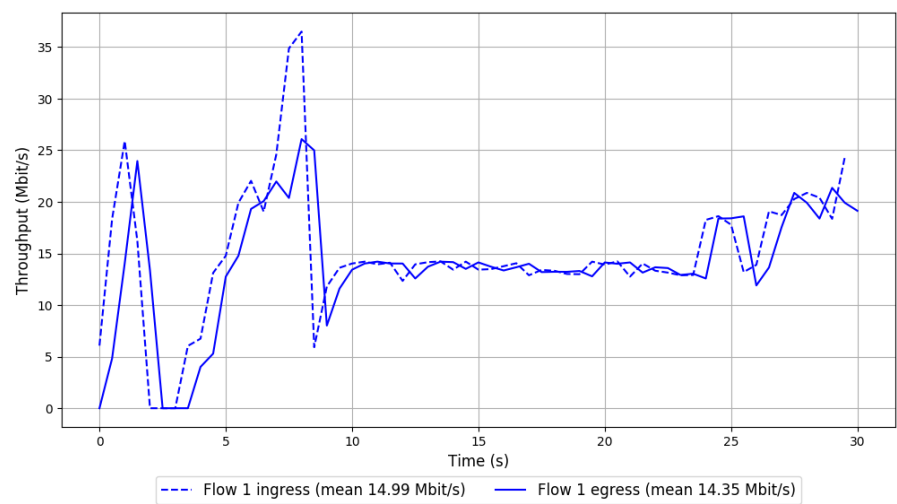
-- Flow 1:

Average throughput: 14.35 Mbit/s

95th percentile per-packet one-way delay: 79.113 ms

Loss rate: 4.72%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-10 13:45:28

End at: 2018-07-10 13:45:59

Local clock offset: -0.358 ms

Remote clock offset: 6.44 ms

# Below is generated by plot.py at 2018-07-10 16:07:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 13.67 Mbit/s

95th percentile per-packet one-way delay: 65.199 ms

Loss rate: 0.59%

-- Flow 1:

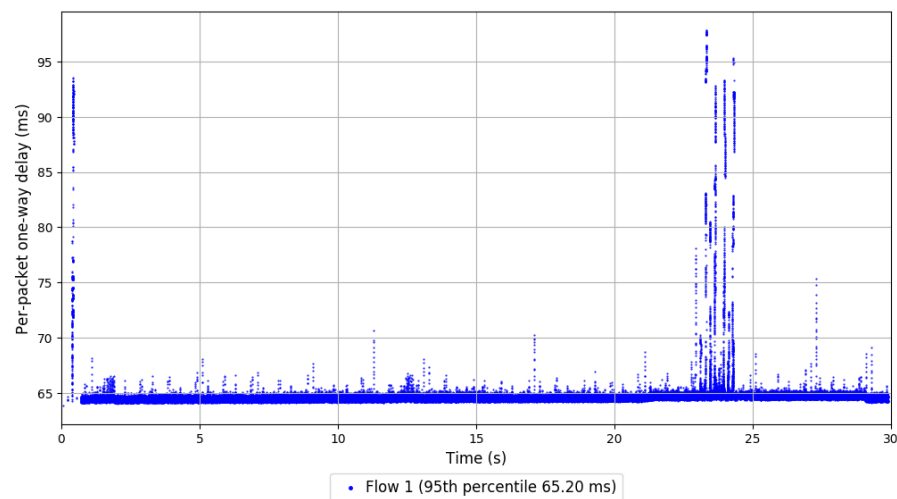
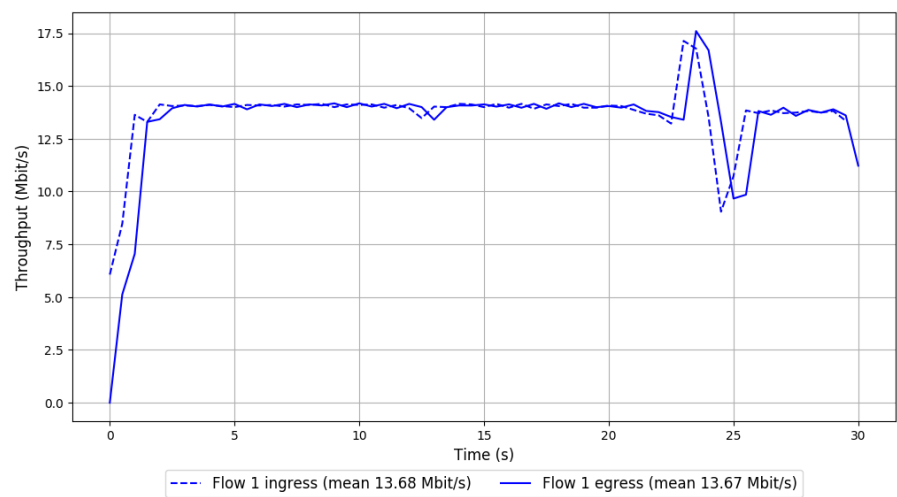
Average throughput: 13.67 Mbit/s

95th percentile per-packet one-way delay: 65.199 ms

Loss rate: 0.59%



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

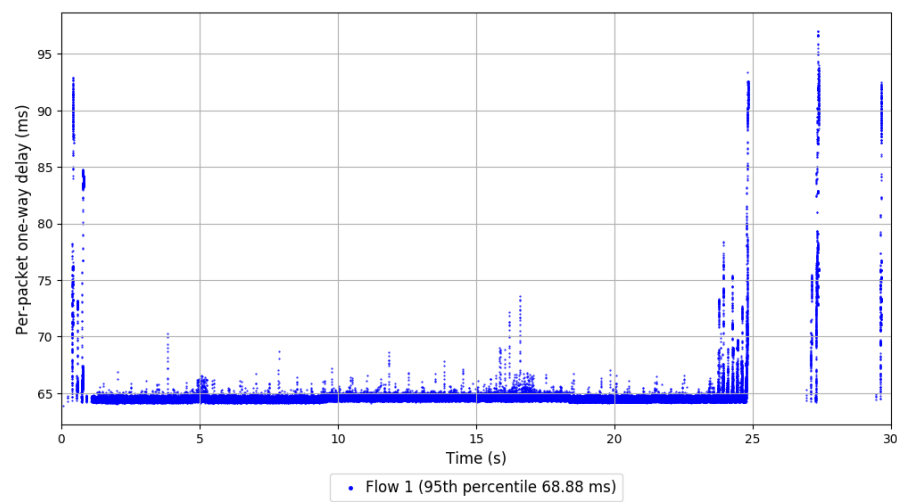
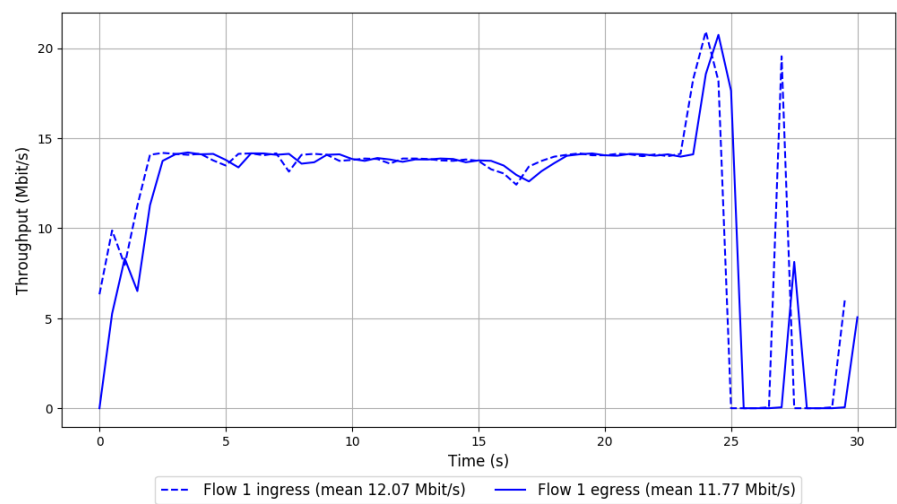


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-10 14:07:42  
End at: 2018-07-10 14:08:12  
Local clock offset: -0.145 ms  
Remote clock offset: 11.779 ms

# Below is generated by plot.py at 2018-07-10 16:07:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.77 Mbit/s  
95th percentile per-packet one-way delay: 68.882 ms  
Loss rate: 2.41%  
-- Flow 1:  
Average throughput: 11.77 Mbit/s  
95th percentile per-packet one-way delay: 68.882 ms  
Loss rate: 2.41%

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

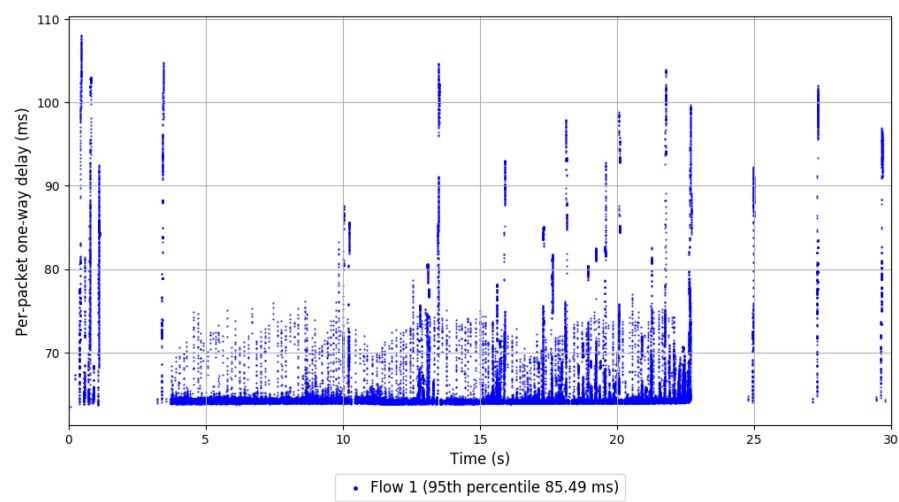
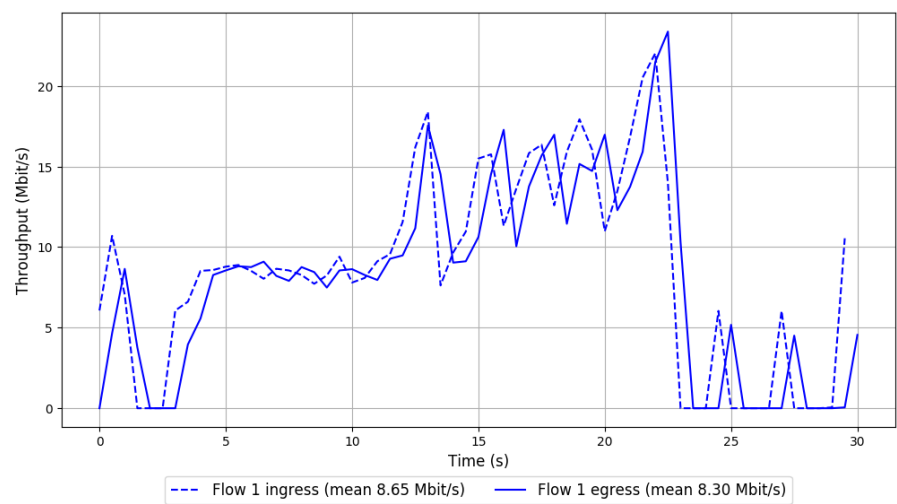


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-10 14:29:53  
End at: 2018-07-10 14:30:23  
Local clock offset: -0.086 ms  
Remote clock offset: 35.841 ms

# Below is generated by plot.py at 2018-07-10 16:07:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 8.30 Mbit/s  
95th percentile per-packet one-way delay: 85.491 ms  
Loss rate: 5.00%  
-- Flow 1:  
Average throughput: 8.30 Mbit/s  
95th percentile per-packet one-way delay: 85.491 ms  
Loss rate: 5.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-10 14:52:08

End at: 2018-07-10 14:52:38

Local clock offset: 0.095 ms

Remote clock offset: 19.552 ms

# Below is generated by plot.py at 2018-07-10 16:07:18

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.68 Mbit/s

95th percentile per-packet one-way delay: 64.250 ms

Loss rate: 1.61%

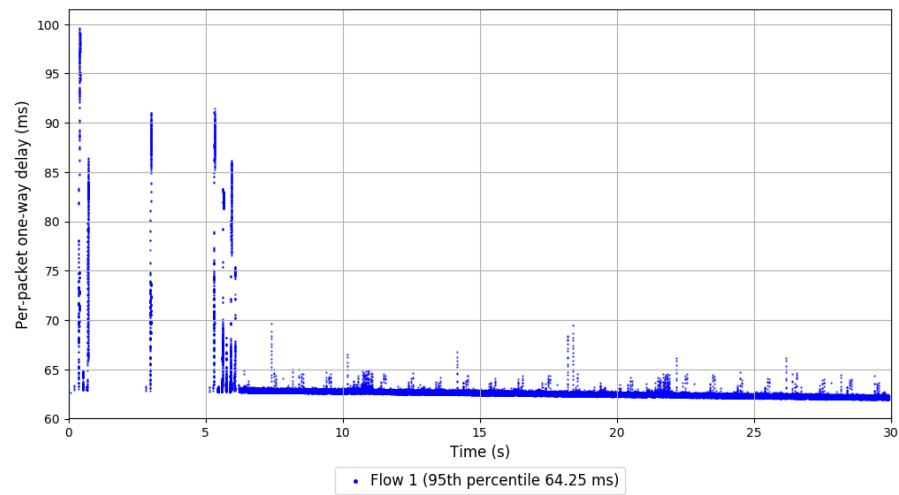
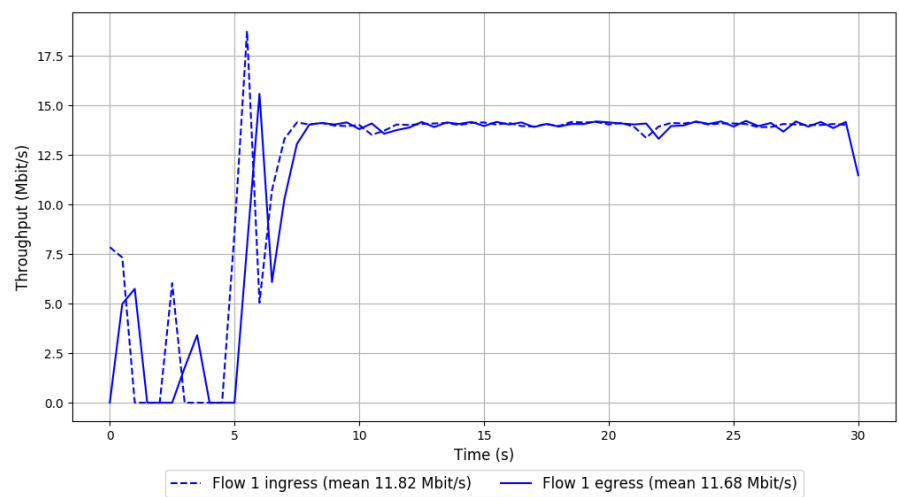
-- Flow 1:

Average throughput: 11.68 Mbit/s

95th percentile per-packet one-way delay: 64.250 ms

Loss rate: 1.61%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-10 15:14:25

End at: 2018-07-10 15:14:55

Local clock offset: 0.259 ms

Remote clock offset: -1.161 ms

# Below is generated by plot.py at 2018-07-10 16:07:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.80 Mbit/s

95th percentile per-packet one-way delay: 63.957 ms

Loss rate: 2.30%

-- Flow 1:

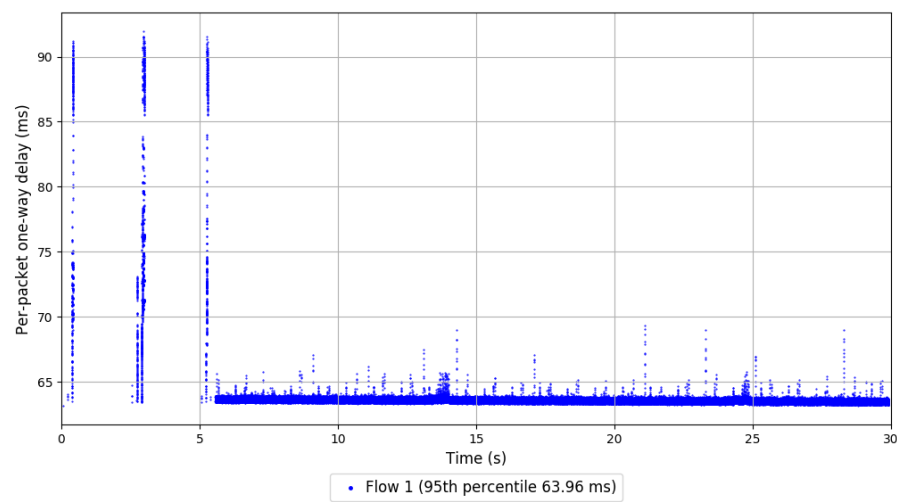
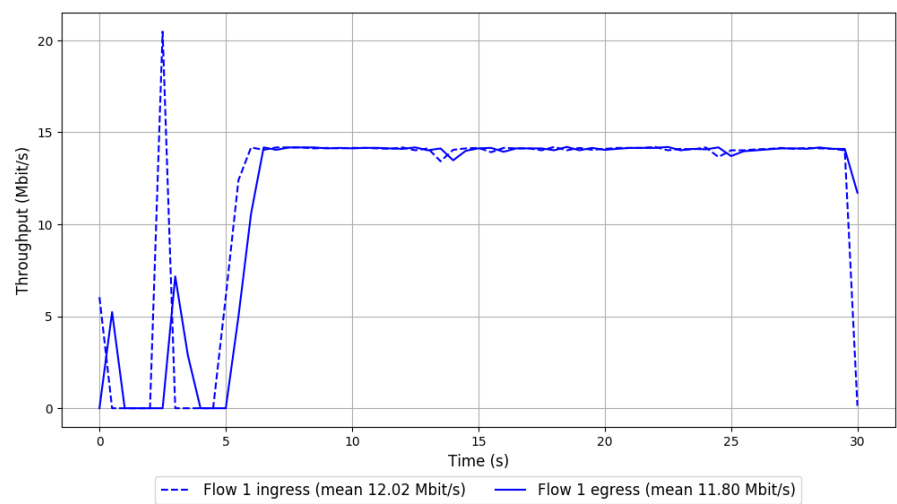
Average throughput: 11.80 Mbit/s

95th percentile per-packet one-way delay: 63.957 ms

Loss rate: 2.30%



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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-10 15:36:41

End at: 2018-07-10 15:37:11

Local clock offset: 0.188 ms

Remote clock offset: 8.948 ms

# Below is generated by plot.py at 2018-07-10 16:07:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 12.76 Mbit/s

95th percentile per-packet one-way delay: 64.268 ms

Loss rate: 1.17%

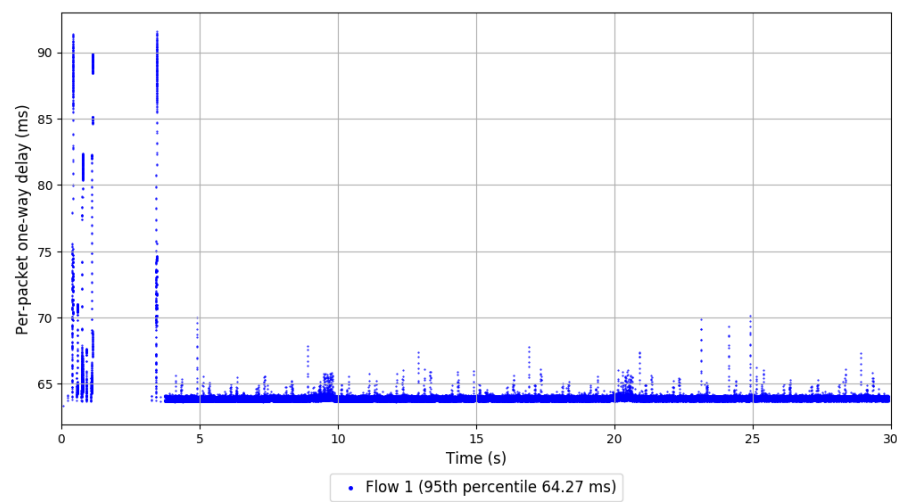
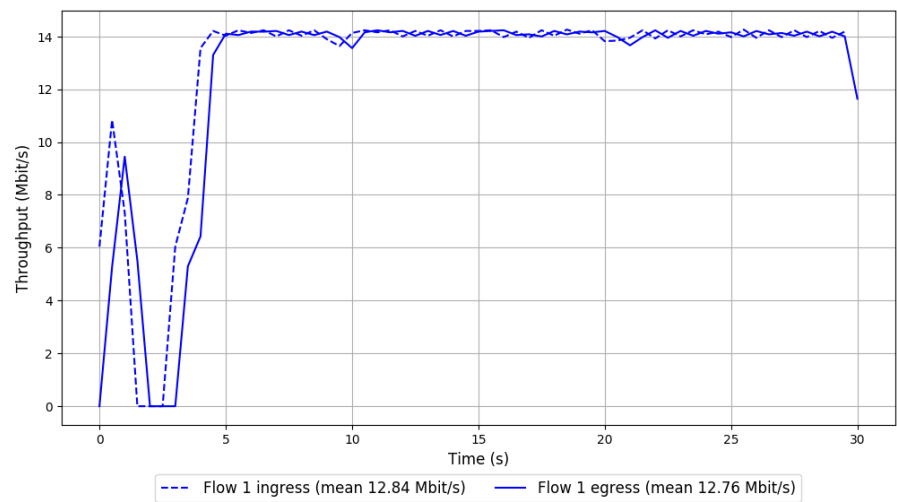
-- Flow 1:

Average throughput: 12.76 Mbit/s

95th percentile per-packet one-way delay: 64.268 ms

Loss rate: 1.17%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-10 12:23:04

End at: 2018-07-10 12:23:34

Local clock offset: -0.99 ms

Remote clock offset: -2.869 ms

# Below is generated by plot.py at 2018-07-10 16:07:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 22.92 Mbit/s

95th percentile per-packet one-way delay: 75.582 ms

Loss rate: 0.73%

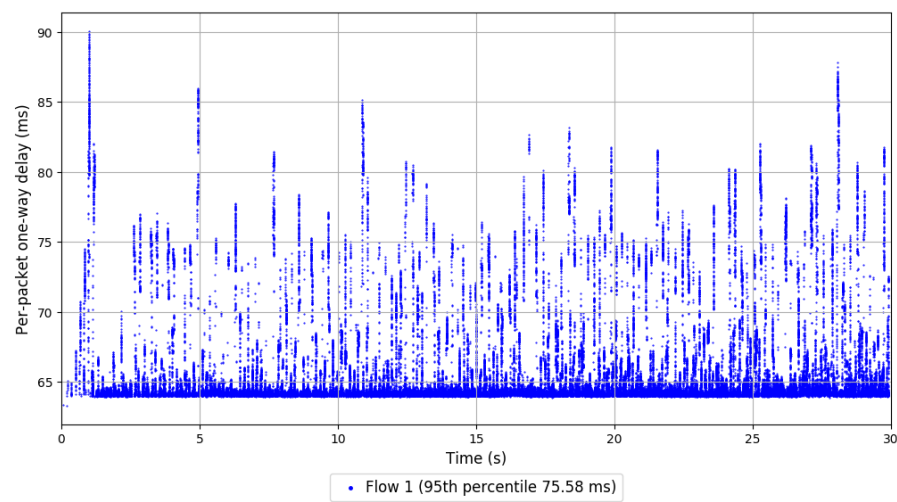
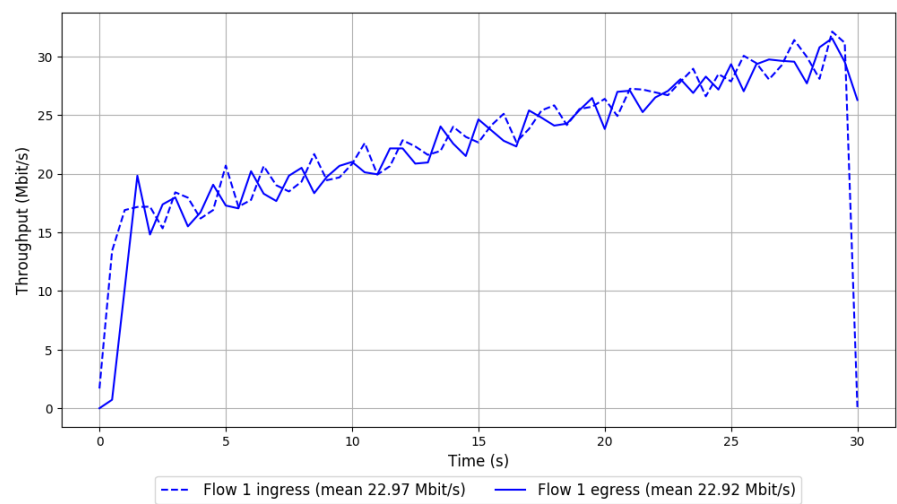
-- Flow 1:

Average throughput: 22.92 Mbit/s

95th percentile per-packet one-way delay: 75.582 ms

Loss rate: 0.73%

Run 1: Report of TCP Vegas — Data Link

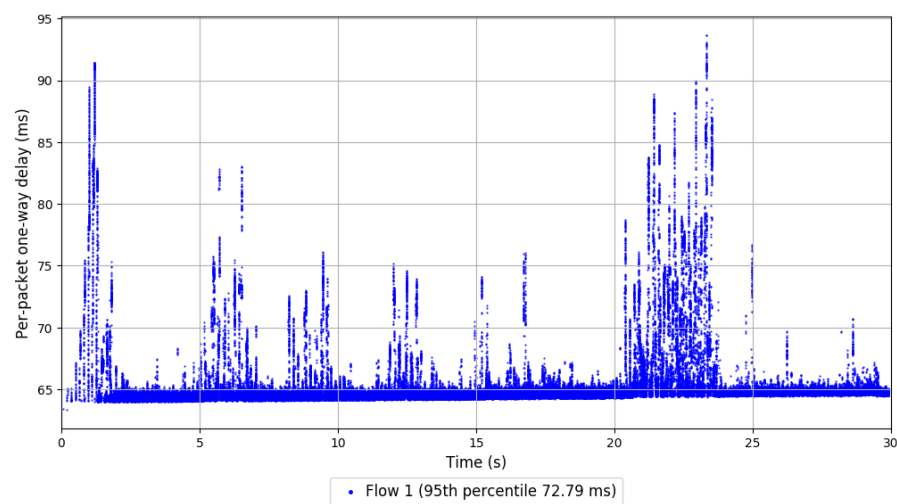
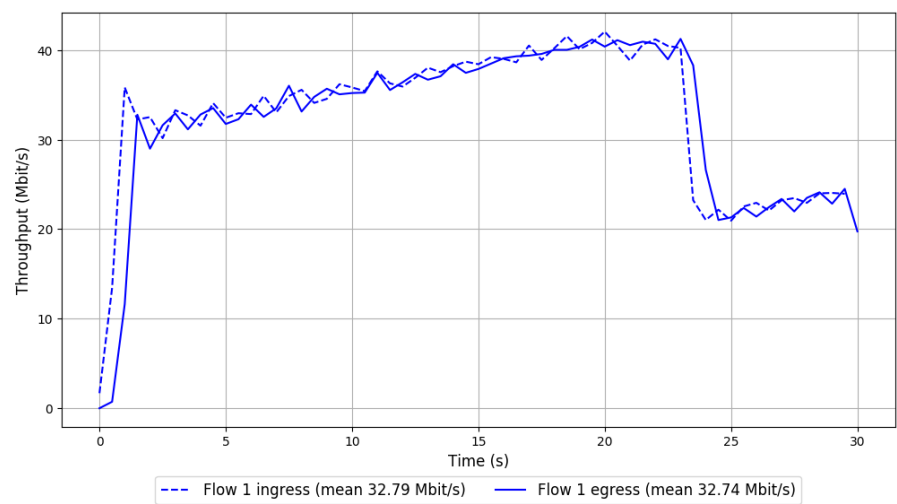


Run 2: Statistics of TCP Vegas

Start at: 2018-07-10 12:45:17  
End at: 2018-07-10 12:45:47  
Local clock offset: -1.016 ms  
Remote clock offset: 34.331 ms

# Below is generated by plot.py at 2018-07-10 16:07:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 32.74 Mbit/s  
95th percentile per-packet one-way delay: 72.789 ms  
Loss rate: 0.65%  
-- Flow 1:  
Average throughput: 32.74 Mbit/s  
95th percentile per-packet one-way delay: 72.789 ms  
Loss rate: 0.65%

Run 2: Report of TCP Vegas — Data Link



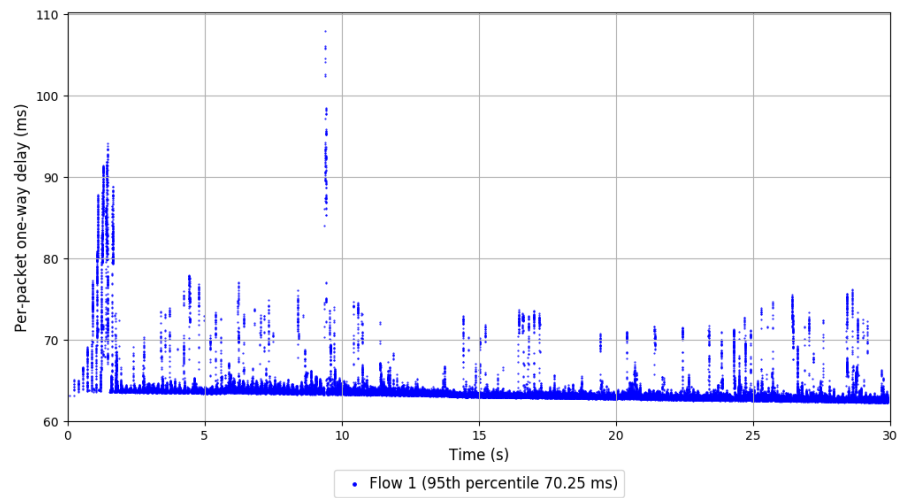
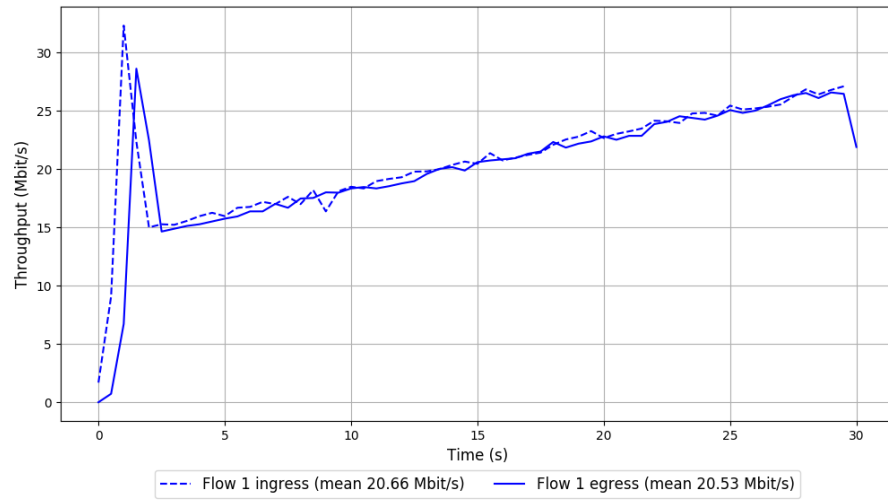
Run 3: Statistics of TCP Vegas

Start at: 2018-07-10 13:07:33  
End at: 2018-07-10 13:08:03  
Local clock offset: -0.827 ms  
Remote clock offset: 24.396 ms

# Below is generated by plot.py at 2018-07-10 16:07:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 20.53 Mbit/s  
95th percentile per-packet one-way delay: 70.247 ms  
Loss rate: 1.15%  
-- Flow 1:  
Average throughput: 20.53 Mbit/s  
95th percentile per-packet one-way delay: 70.247 ms  
Loss rate: 1.15%



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

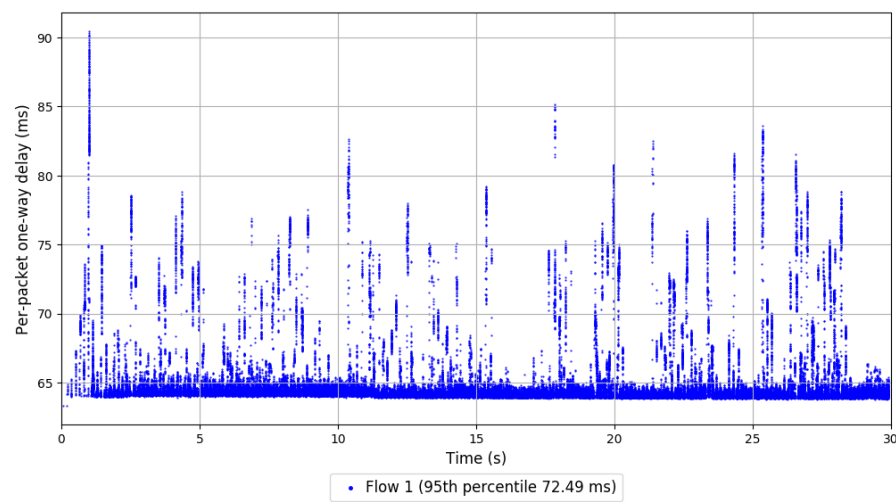
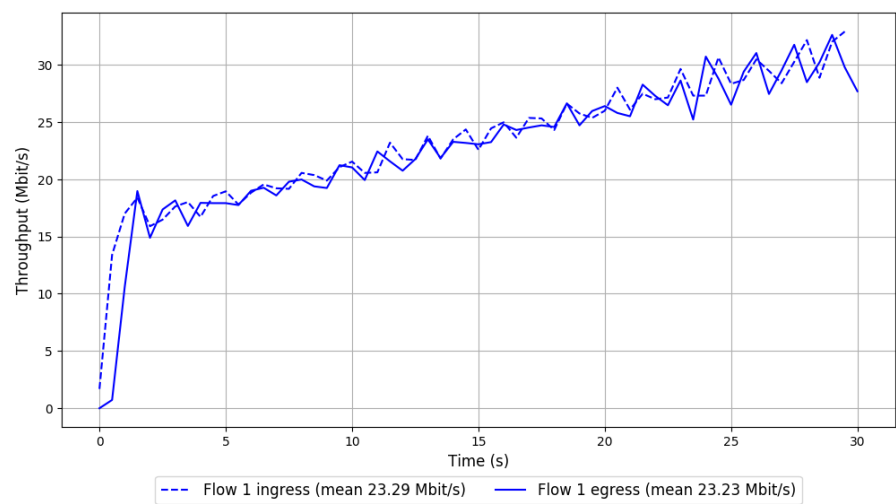


Run 4: Statistics of TCP Vegas

Start at: 2018-07-10 13:29:46  
End at: 2018-07-10 13:30:16  
Local clock offset: -0.686 ms  
Remote clock offset: 0.528 ms

# Below is generated by plot.py at 2018-07-10 16:07:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 23.23 Mbit/s  
95th percentile per-packet one-way delay: 72.491 ms  
Loss rate: 0.75%  
-- Flow 1:  
Average throughput: 23.23 Mbit/s  
95th percentile per-packet one-way delay: 72.491 ms  
Loss rate: 0.75%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-10 13:51:57

End at: 2018-07-10 13:52:27

Local clock offset: -0.5 ms

Remote clock offset: 8.718 ms

# Below is generated by plot.py at 2018-07-10 16:07:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 18.30 Mbit/s

95th percentile per-packet one-way delay: 64.920 ms

Loss rate: 0.92%

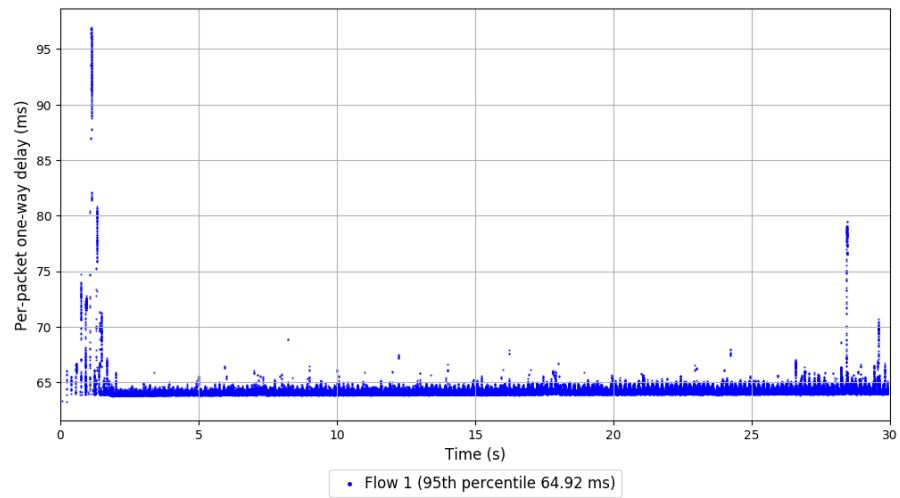
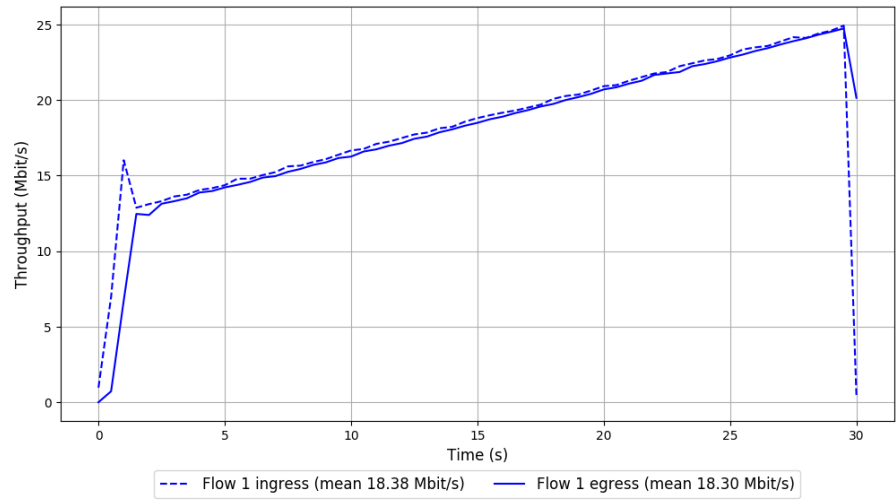
-- Flow 1:

Average throughput: 18.30 Mbit/s

95th percentile per-packet one-way delay: 64.920 ms

Loss rate: 0.92%

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

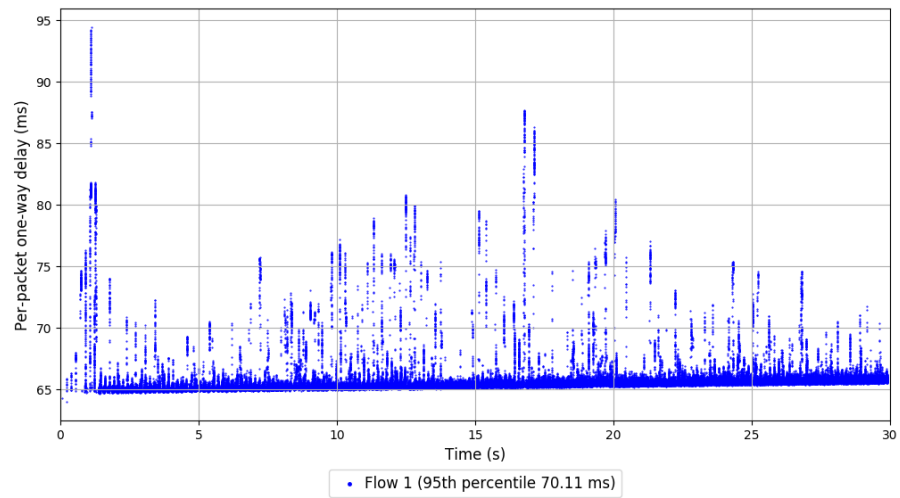
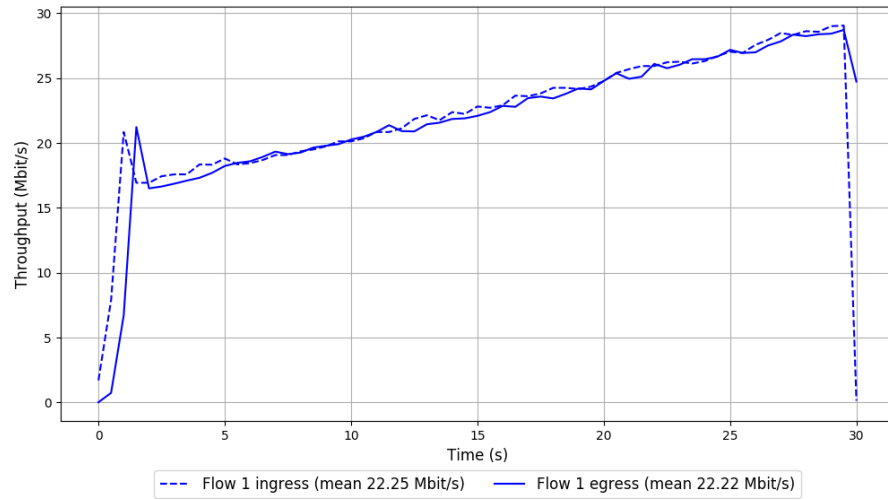


Run 6: Statistics of TCP Vegas

Start at: 2018-07-10 14:14:11  
End at: 2018-07-10 14:14:41  
Local clock offset: -0.251 ms  
Remote clock offset: 20.689 ms

# Below is generated by plot.py at 2018-07-10 16:07:37  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 22.22 Mbit/s  
95th percentile per-packet one-way delay: 70.107 ms  
Loss rate: 0.64%  
-- Flow 1:  
Average throughput: 22.22 Mbit/s  
95th percentile per-packet one-way delay: 70.107 ms  
Loss rate: 0.64%

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



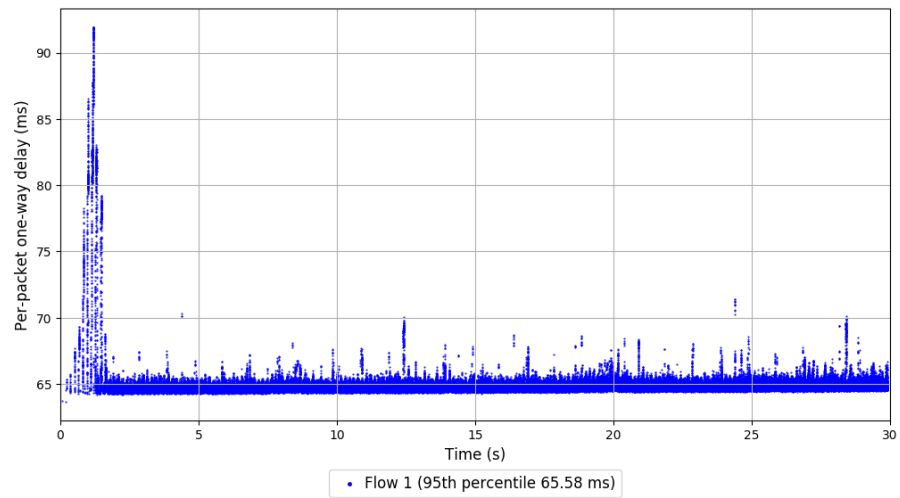
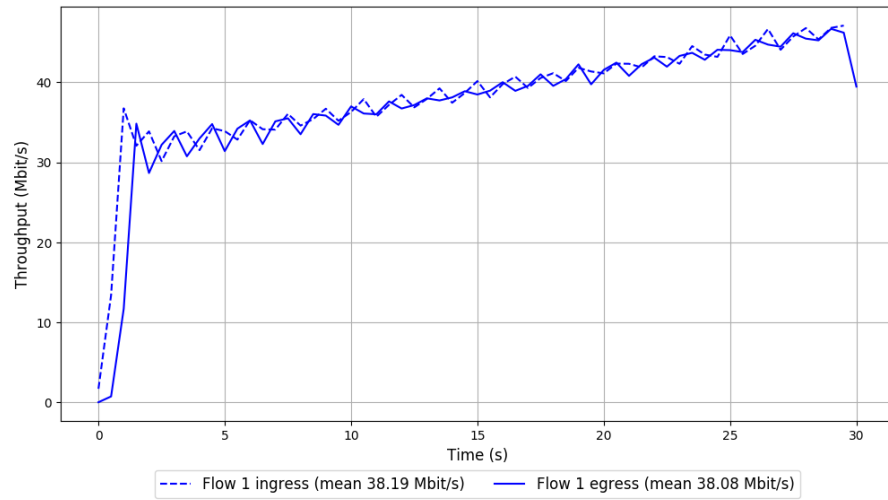
Run 7: Statistics of TCP Vegas

Start at: 2018-07-10 14:36:21  
End at: 2018-07-10 14:36:51  
Local clock offset: -0.035 ms  
Remote clock offset: 39.353 ms

# Below is generated by plot.py at 2018-07-10 16:07:50  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 38.08 Mbit/s  
95th percentile per-packet one-way delay: 65.579 ms  
Loss rate: 0.77%  
-- Flow 1:  
Average throughput: 38.08 Mbit/s  
95th percentile per-packet one-way delay: 65.579 ms  
Loss rate: 0.77%



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



Run 8: Statistics of TCP Vegas

Start at: 2018-07-10 14:58:37

End at: 2018-07-10 14:59:07

Local clock offset: 0.385 ms

Remote clock offset: 9.805 ms

# Below is generated by plot.py at 2018-07-10 16:07:54

# Datalink statistics

-- Total of 1 flow:

Average throughput: 35.96 Mbit/s

95th percentile per-packet one-way delay: 66.649 ms

Loss rate: 0.55%

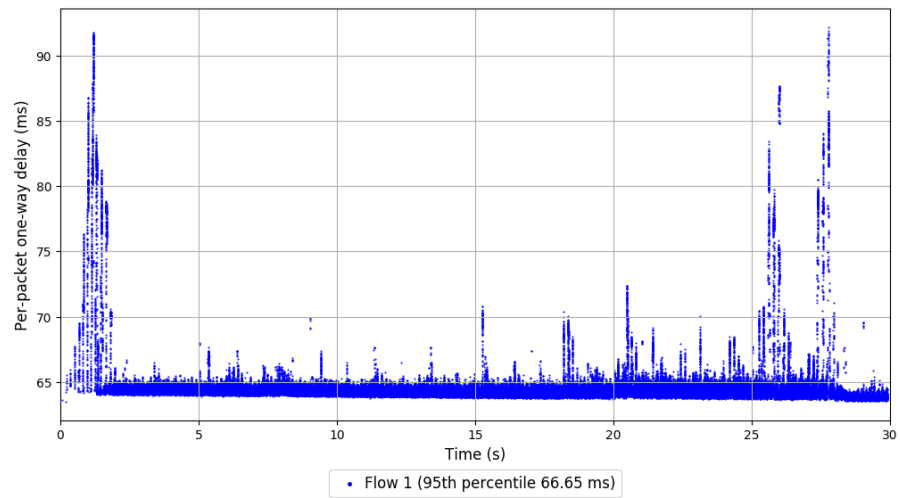
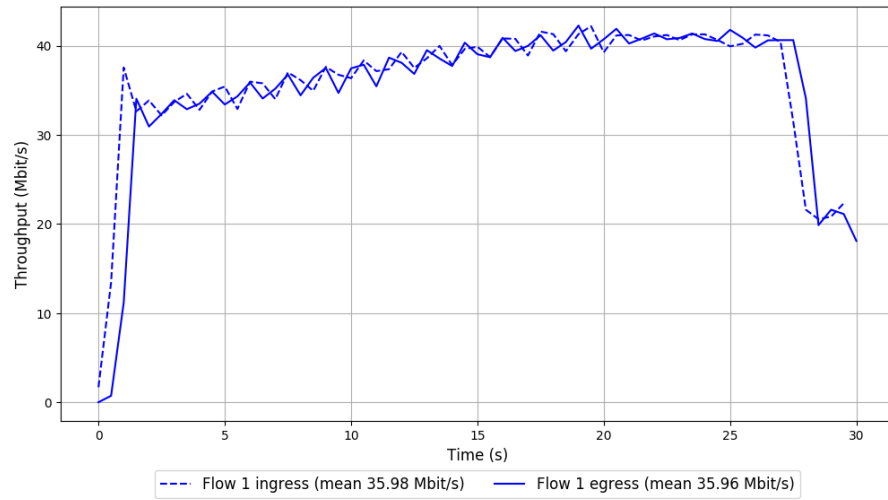
-- Flow 1:

Average throughput: 35.96 Mbit/s

95th percentile per-packet one-way delay: 66.649 ms

Loss rate: 0.55%

# Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-10 15:20:55

End at: 2018-07-10 15:21:25

Local clock offset: 0.164 ms

Remote clock offset: 0.583 ms

# Below is generated by plot.py at 2018-07-10 16:07:54

# Datalink statistics

-- Total of 1 flow:

Average throughput: 30.82 Mbit/s

95th percentile per-packet one-way delay: 66.045 ms

Loss rate: 0.81%

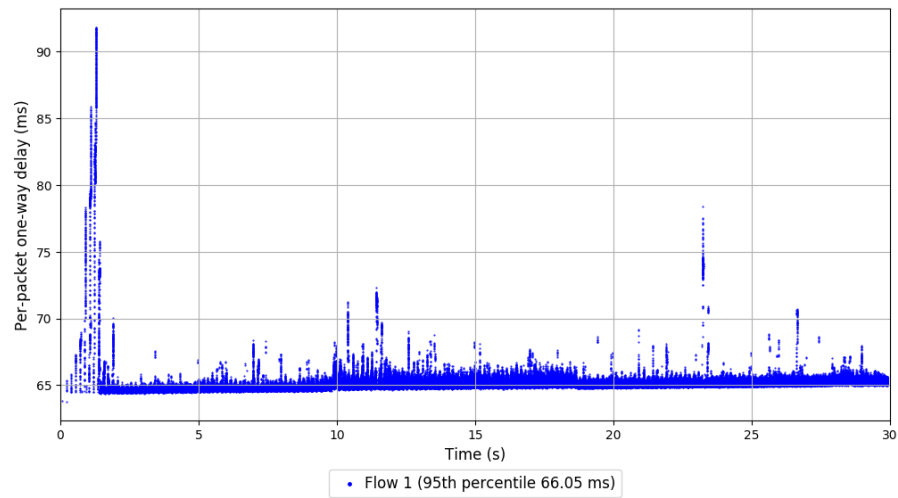
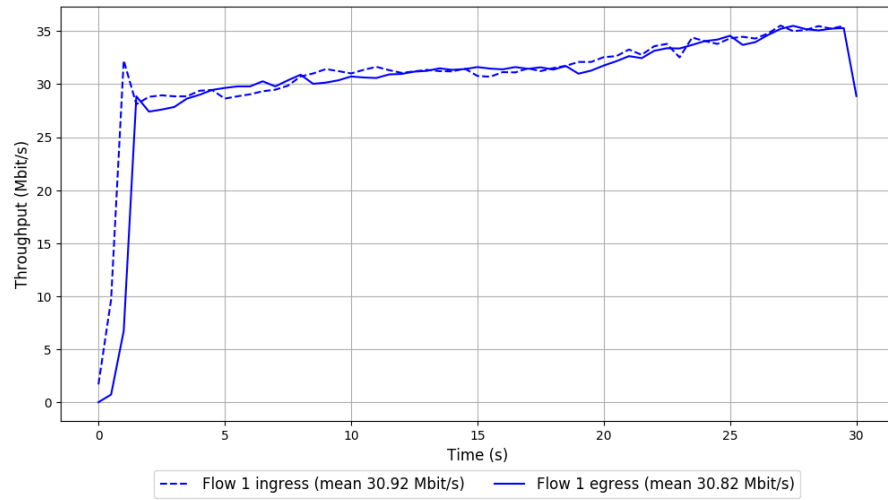
-- Flow 1:

Average throughput: 30.82 Mbit/s

95th percentile per-packet one-way delay: 66.045 ms

Loss rate: 0.81%

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



Run 10: Statistics of TCP Vegas

Start at: 2018-07-10 15:43:12

End at: 2018-07-10 15:43:42

Local clock offset: 0.156 ms

Remote clock offset: 9.075 ms

# Below is generated by plot.py at 2018-07-10 16:07:54

# Datalink statistics

-- Total of 1 flow:

Average throughput: 25.56 Mbit/s

95th percentile per-packet one-way delay: 64.992 ms

Loss rate: 0.68%

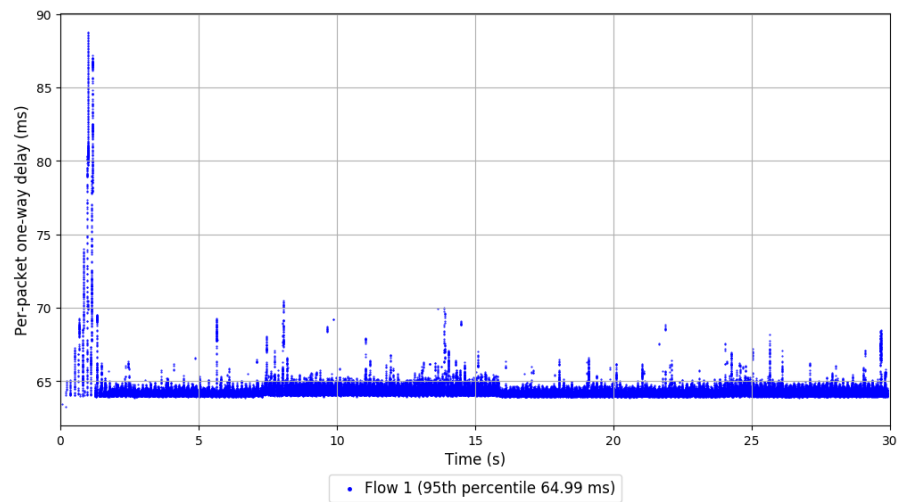
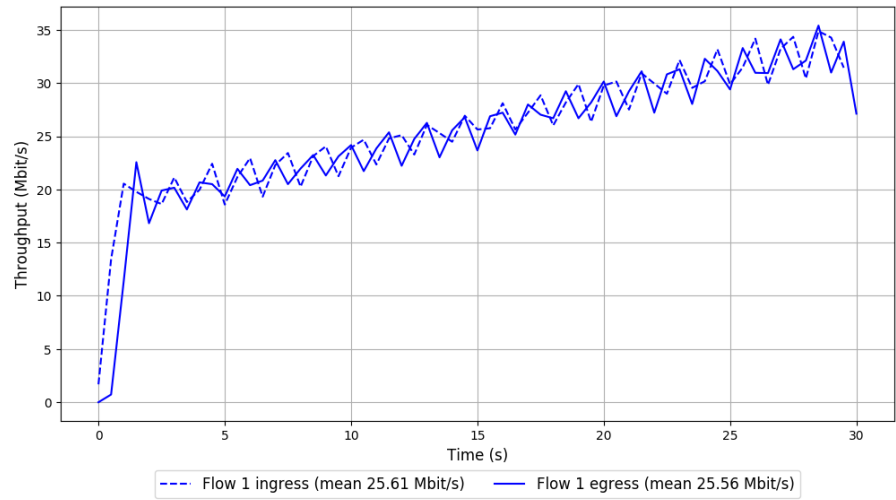
-- Flow 1:

Average throughput: 25.56 Mbit/s

95th percentile per-packet one-way delay: 64.992 ms

Loss rate: 0.68%

# Run 10: Report of TCP Vegas — Data Link



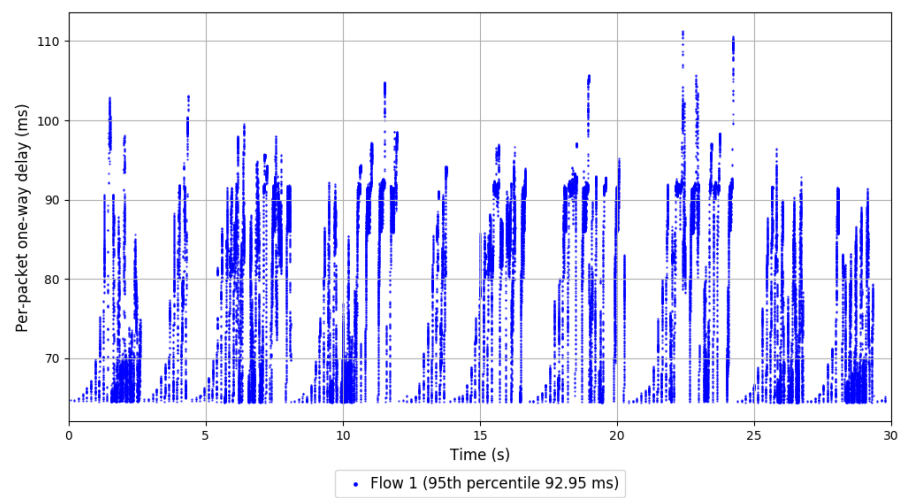
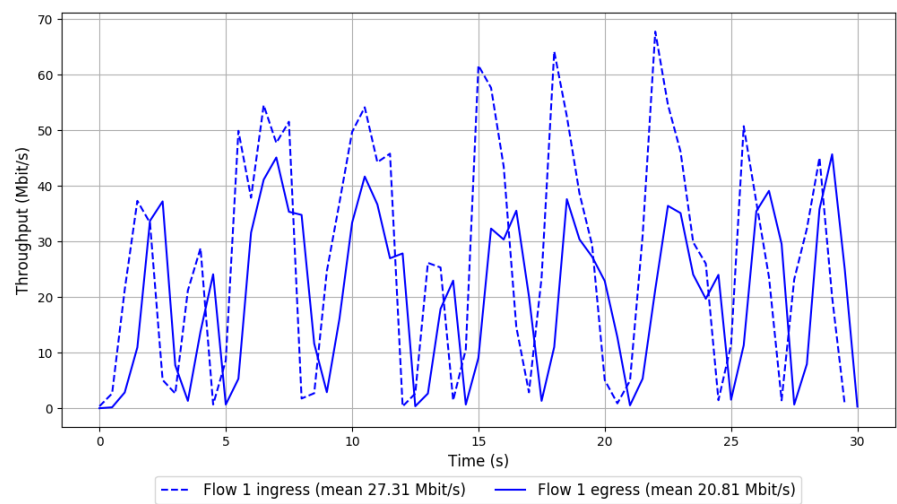
Run 1: Statistics of Verus

Start at: 2018-07-10 12:25:40  
End at: 2018-07-10 12:26:10  
Local clock offset: -0.96 ms  
Remote clock offset: -2.957 ms

# Below is generated by plot.py at 2018-07-10 16:07:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 20.81 Mbit/s  
95th percentile per-packet one-way delay: 92.953 ms  
Loss rate: 24.20%  
-- Flow 1:  
Average throughput: 20.81 Mbit/s  
95th percentile per-packet one-way delay: 92.953 ms  
Loss rate: 24.20%



Run 1: Report of Verus — Data Link

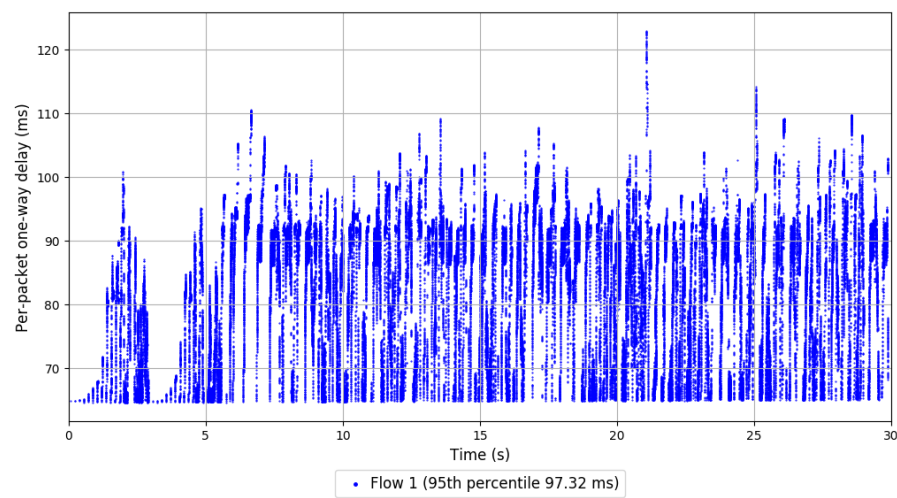
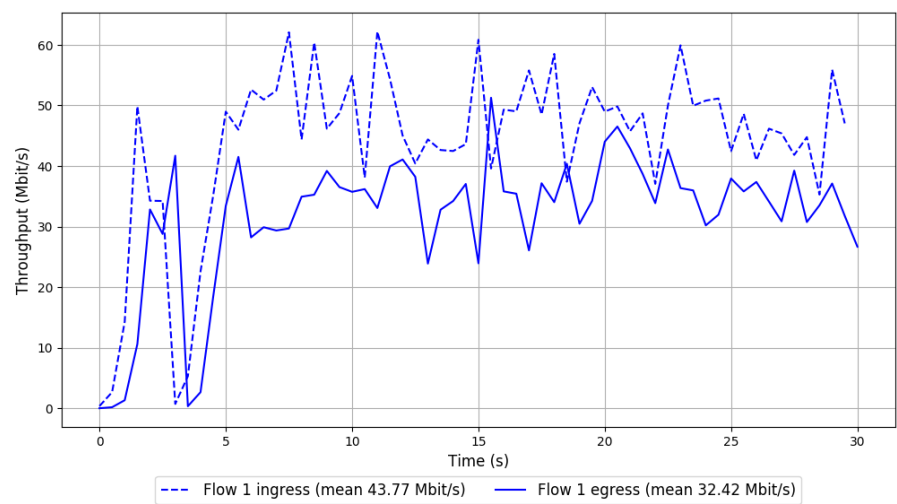


Run 2: Statistics of Verus

Start at: 2018-07-10 12:47:53  
End at: 2018-07-10 12:48:23  
Local clock offset: -0.98 ms  
Remote clock offset: 36.706 ms

# Below is generated by plot.py at 2018-07-10 16:08:01  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 32.42 Mbit/s  
95th percentile per-packet one-way delay: 97.316 ms  
Loss rate: 26.18%  
-- Flow 1:  
Average throughput: 32.42 Mbit/s  
95th percentile per-packet one-way delay: 97.316 ms  
Loss rate: 26.18%

Run 2: Report of Verus — Data Link

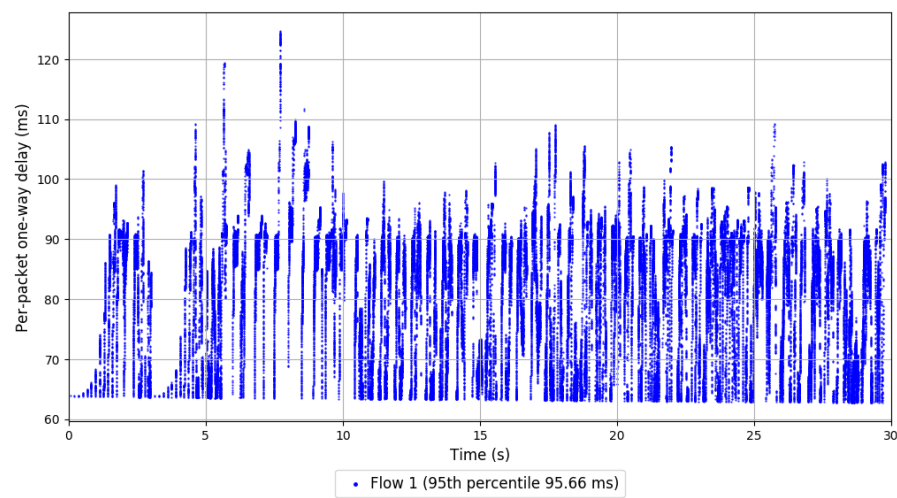
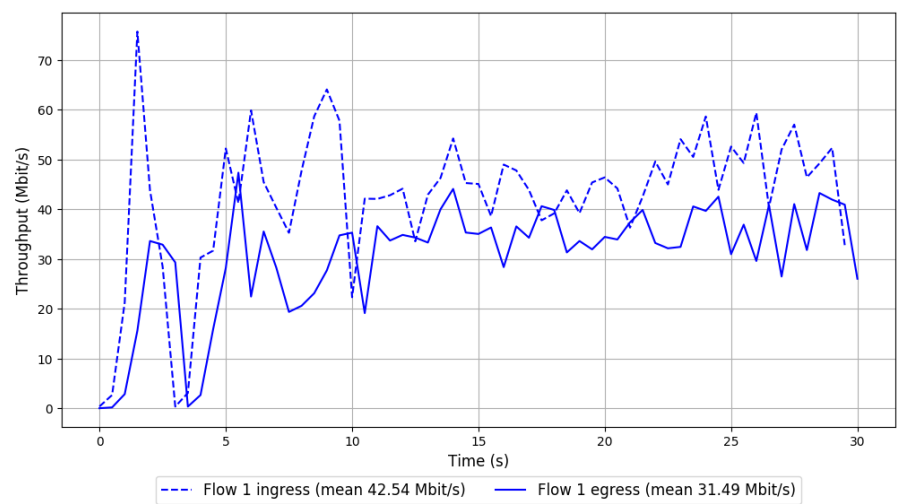


Run 3: Statistics of Verus

Start at: 2018-07-10 13:10:08  
End at: 2018-07-10 13:10:38  
Local clock offset: -0.811 ms  
Remote clock offset: 17.945 ms

# Below is generated by plot.py at 2018-07-10 16:08:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 31.49 Mbit/s  
95th percentile per-packet one-way delay: 95.657 ms  
Loss rate: 26.59%  
-- Flow 1:  
Average throughput: 31.49 Mbit/s  
95th percentile per-packet one-way delay: 95.657 ms  
Loss rate: 26.59%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-10 13:32:21

End at: 2018-07-10 13:32:51

Local clock offset: -0.539 ms

Remote clock offset: -0.12 ms

# Below is generated by plot.py at 2018-07-10 16:08:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 25.80 Mbit/s

95th percentile per-packet one-way delay: 100.459 ms

Loss rate: 34.72%

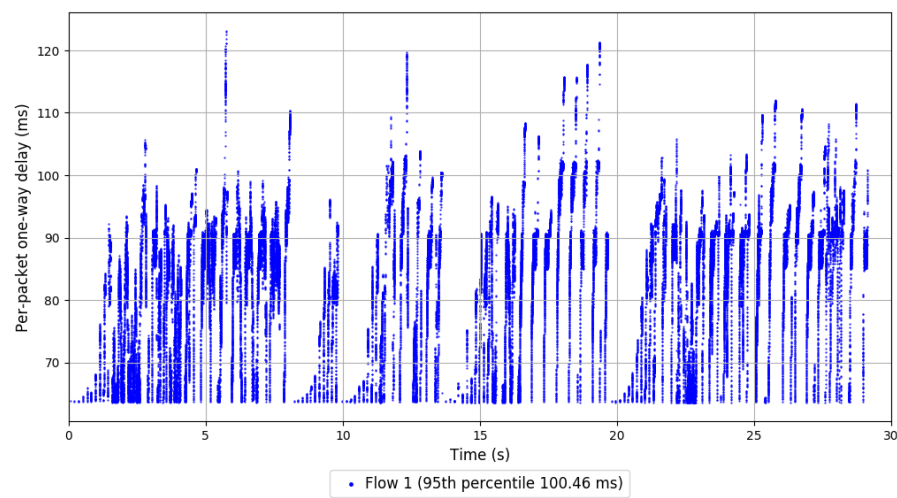
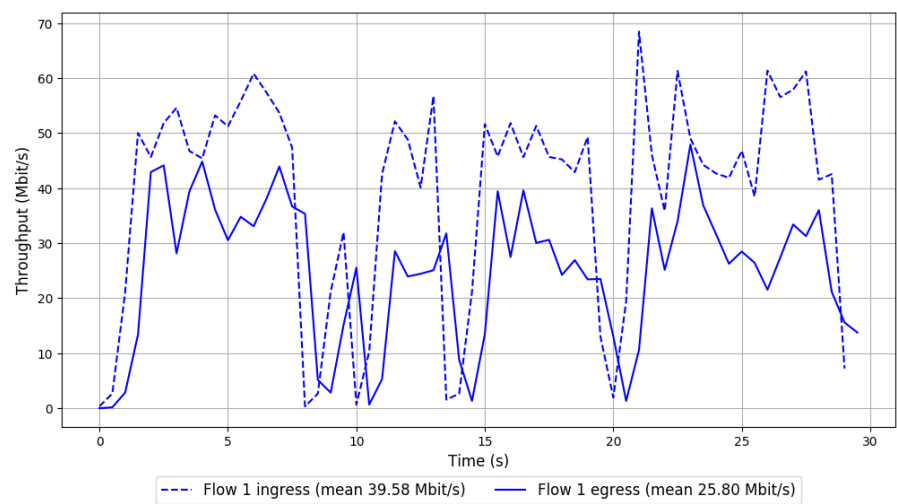
-- Flow 1:

Average throughput: 25.80 Mbit/s

95th percentile per-packet one-way delay: 100.459 ms

Loss rate: 34.72%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-07-10 13:54:32

End at: 2018-07-10 13:55:02

Local clock offset: -0.227 ms

Remote clock offset: 9.39 ms

# Below is generated by plot.py at 2018-07-10 16:08:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 33.90 Mbit/s

95th percentile per-packet one-way delay: 95.318 ms

Loss rate: 27.75%

-- Flow 1:

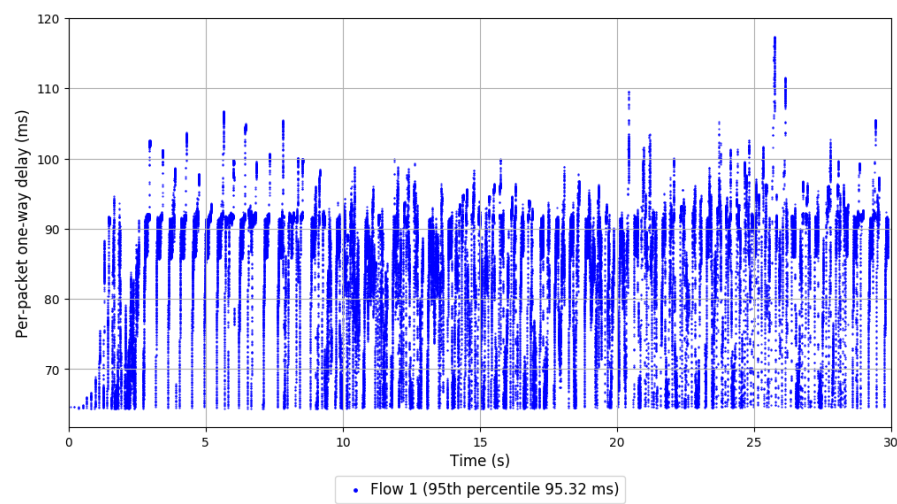
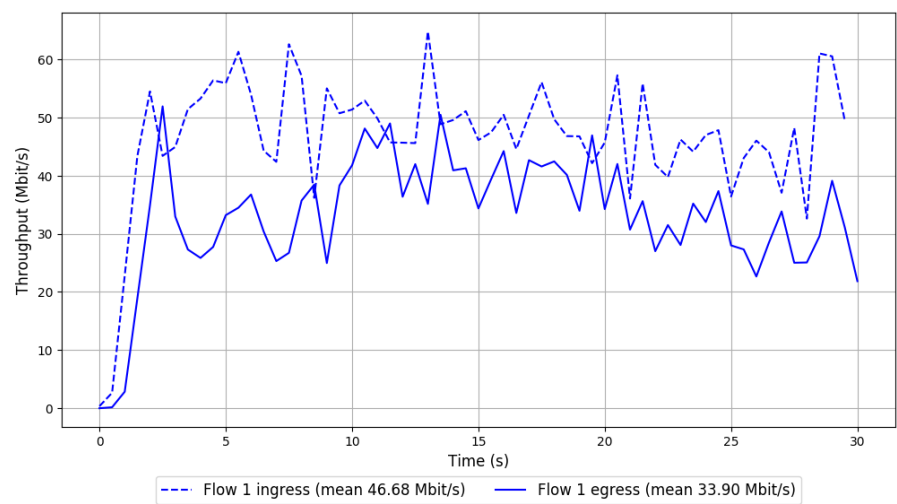
Average throughput: 33.90 Mbit/s

95th percentile per-packet one-way delay: 95.318 ms

Loss rate: 27.75%



Run 5: Report of Verus — Data Link

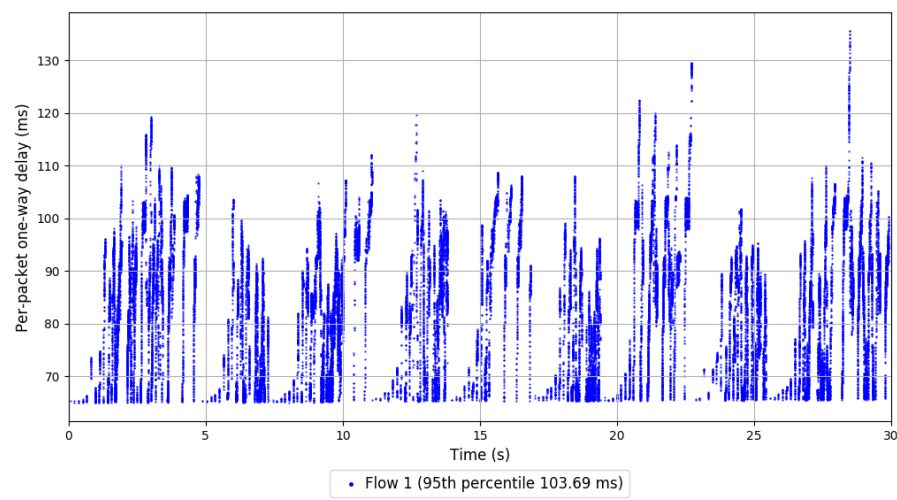
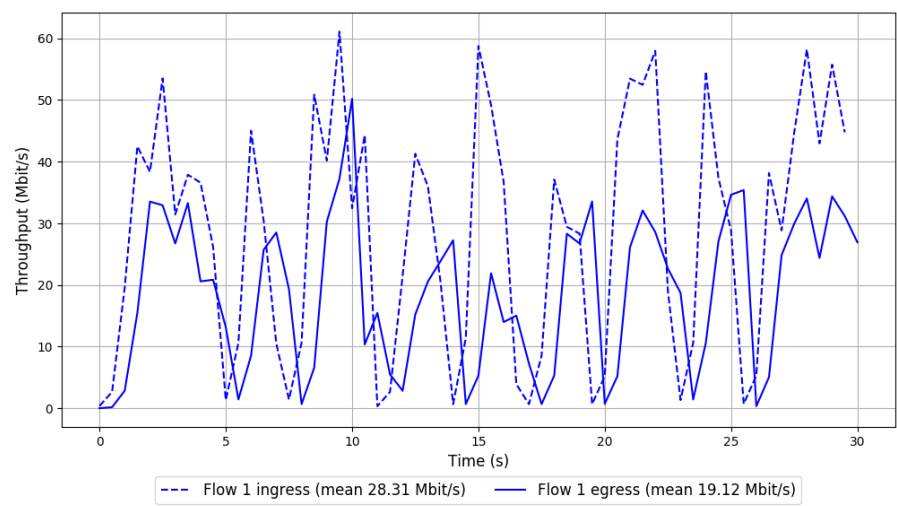


Run 6: Statistics of Verus

Start at: 2018-07-10 14:16:46  
End at: 2018-07-10 14:17:16  
Local clock offset: -0.171 ms  
Remote clock offset: 24.399 ms

# Below is generated by plot.py at 2018-07-10 16:08:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 19.12 Mbit/s  
95th percentile per-packet one-way delay: 103.687 ms  
Loss rate: 32.79%  
-- Flow 1:  
Average throughput: 19.12 Mbit/s  
95th percentile per-packet one-way delay: 103.687 ms  
Loss rate: 32.79%

Run 6: Report of Verus — Data Link

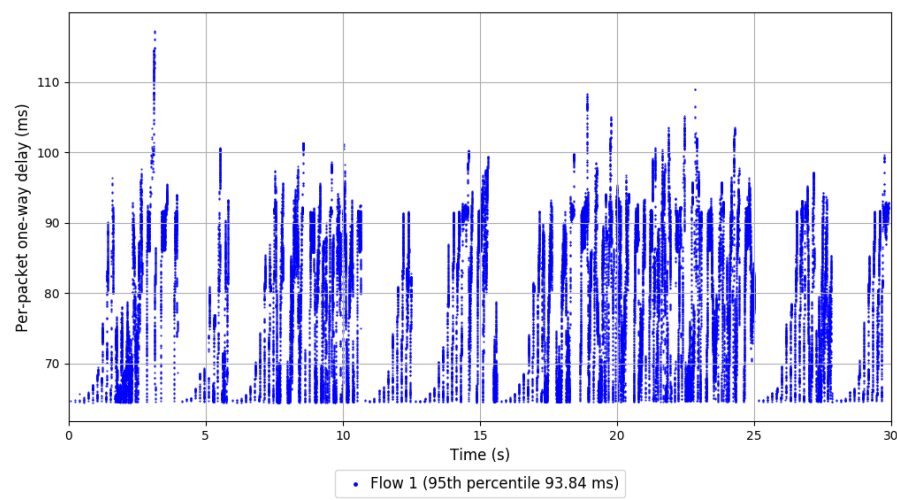
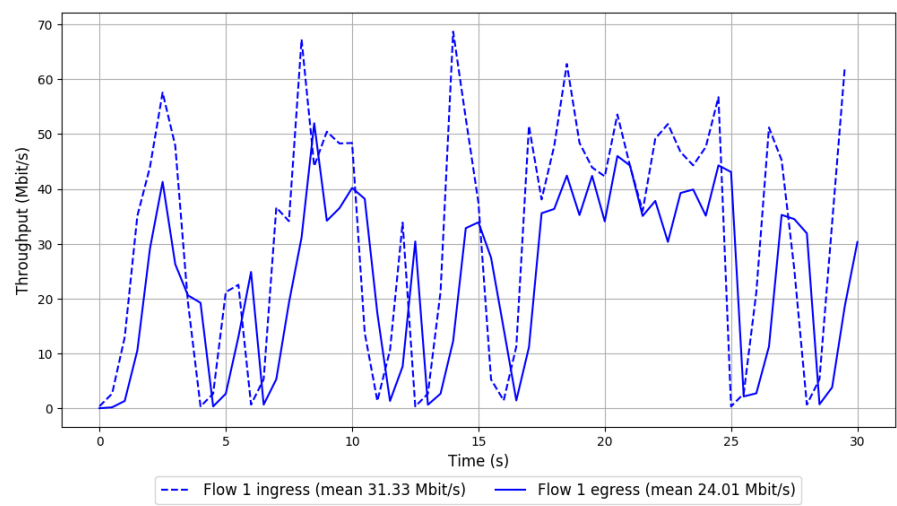


Run 7: Statistics of Verus

Start at: 2018-07-10 14:38:59  
End at: 2018-07-10 14:39:29  
Local clock offset: 0.019 ms  
Remote clock offset: 40.478 ms

# Below is generated by plot.py at 2018-07-10 16:08:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.01 Mbit/s  
95th percentile per-packet one-way delay: 93.845 ms  
Loss rate: 23.61%  
-- Flow 1:  
Average throughput: 24.01 Mbit/s  
95th percentile per-packet one-way delay: 93.845 ms  
Loss rate: 23.61%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-07-10 15:01:13

End at: 2018-07-10 15:01:43

Local clock offset: 0.232 ms

Remote clock offset: 7.175 ms

# Below is generated by plot.py at 2018-07-10 16:08:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 22.34 Mbit/s

95th percentile per-packet one-way delay: 91.946 ms

Loss rate: 21.46%

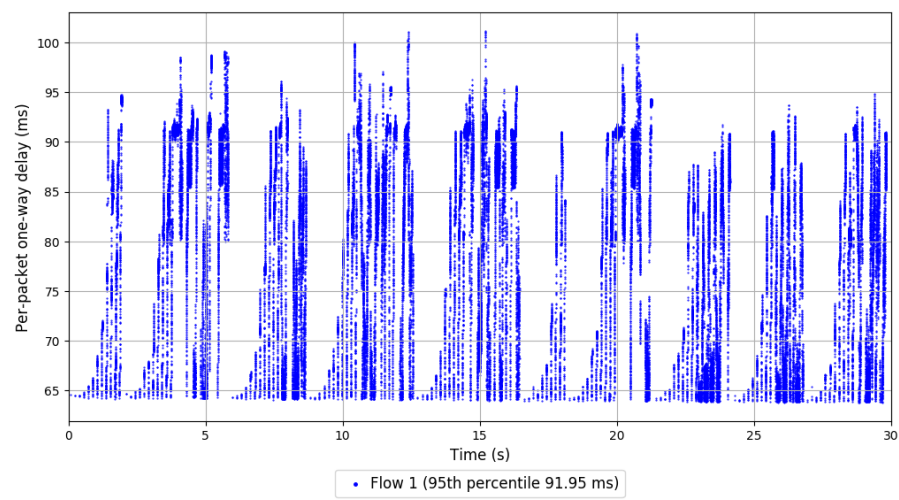
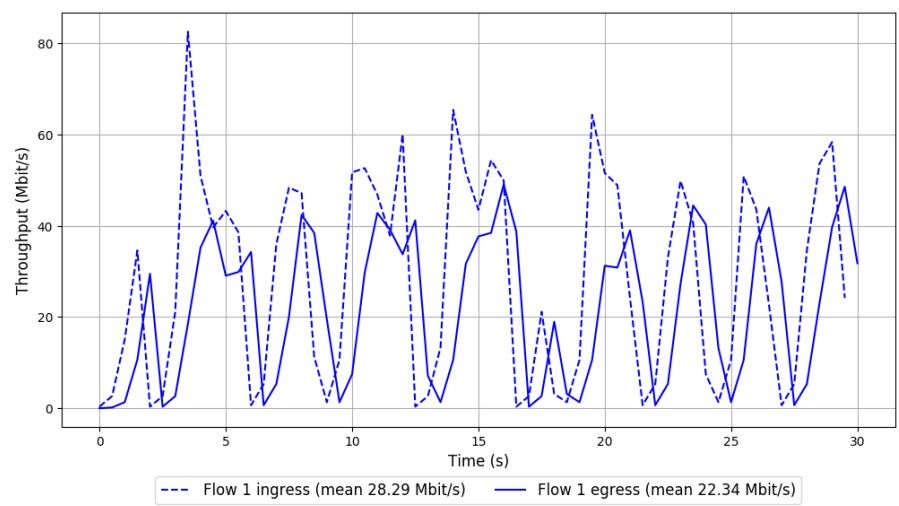
-- Flow 1:

Average throughput: 22.34 Mbit/s

95th percentile per-packet one-way delay: 91.946 ms

Loss rate: 21.46%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-10 15:23:30

End at: 2018-07-10 15:24:00

Local clock offset: 0.111 ms

Remote clock offset: 3.553 ms

# Below is generated by plot.py at 2018-07-10 16:08:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 24.19 Mbit/s

95th percentile per-packet one-way delay: 92.520 ms

Loss rate: 20.02%

-- Flow 1:

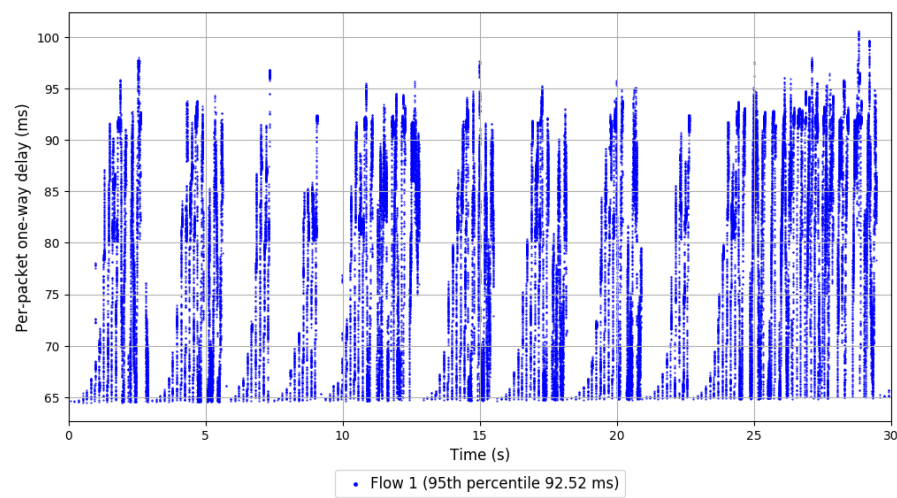
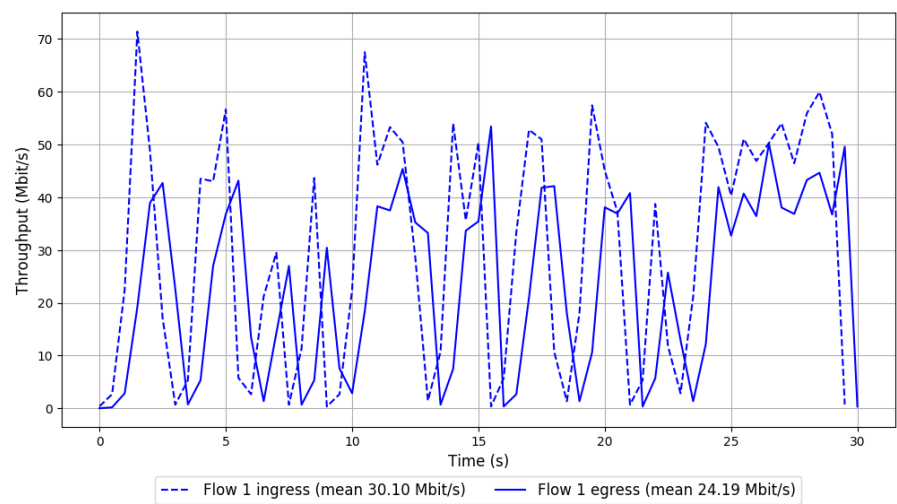
Average throughput: 24.19 Mbit/s

95th percentile per-packet one-way delay: 92.520 ms

Loss rate: 20.02%



Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-10 15:45:48

End at: 2018-07-10 15:46:18

Local clock offset: 0.184 ms

Remote clock offset: 8.901 ms

# Below is generated by plot.py at 2018-07-10 16:08:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 30.90 Mbit/s

95th percentile per-packet one-way delay: 92.444 ms

Loss rate: 21.26%

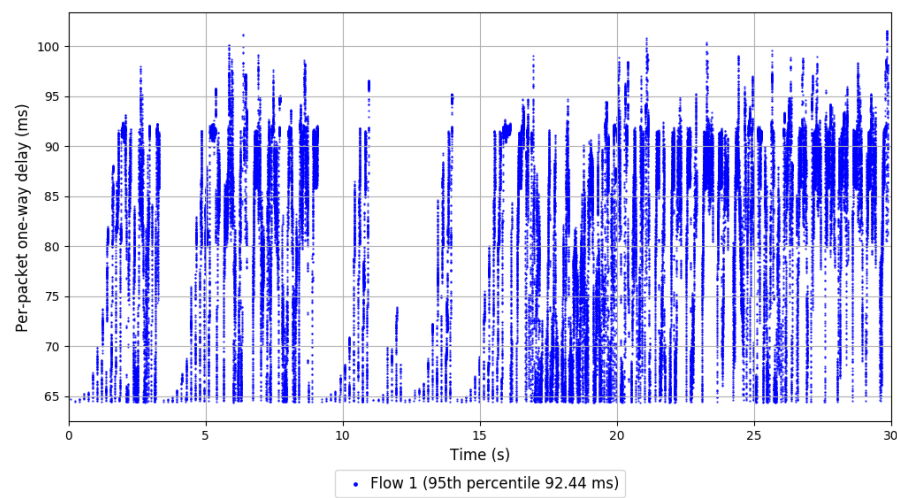
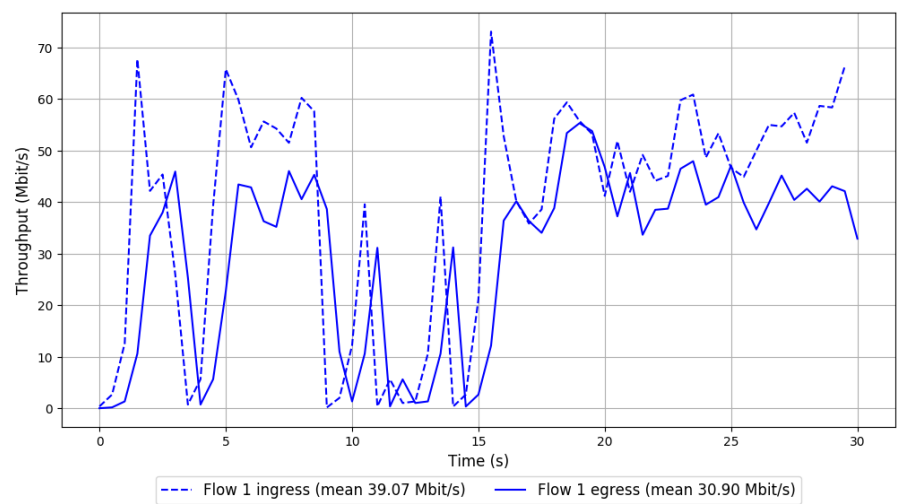
-- Flow 1:

Average throughput: 30.90 Mbit/s

95th percentile per-packet one-way delay: 92.444 ms

Loss rate: 21.26%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-10 12:17:52

End at: 2018-07-10 12:18:22

Local clock offset: -0.964 ms

Remote clock offset: -2.774 ms

# Below is generated by plot.py at 2018-07-10 16:08:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 35.90 Mbit/s

95th percentile per-packet one-way delay: 91.730 ms

Loss rate: 2.24%

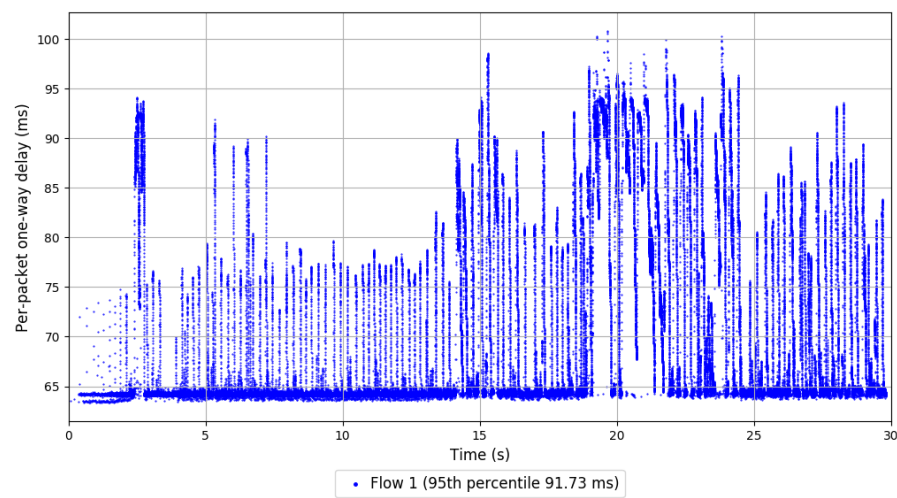
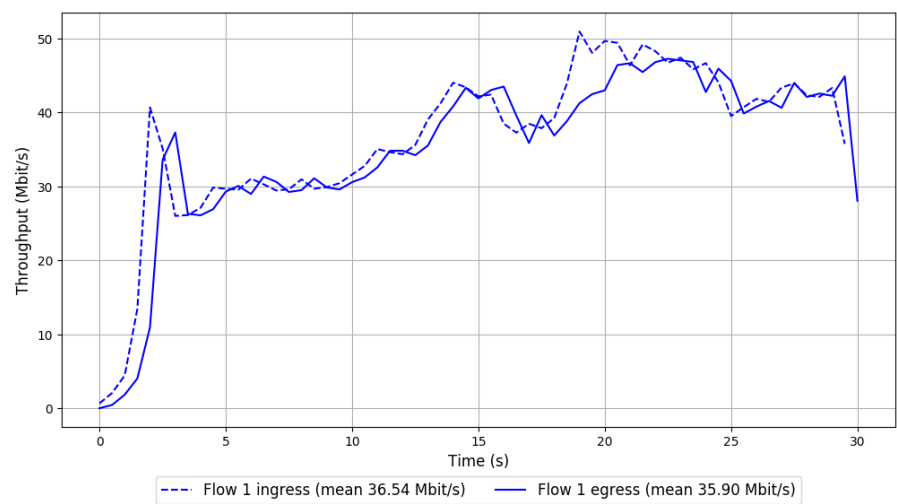
-- Flow 1:

Average throughput: 35.90 Mbit/s

95th percentile per-packet one-way delay: 91.730 ms

Loss rate: 2.24%

Run 1: Report of PCC-Vivace — Data Link

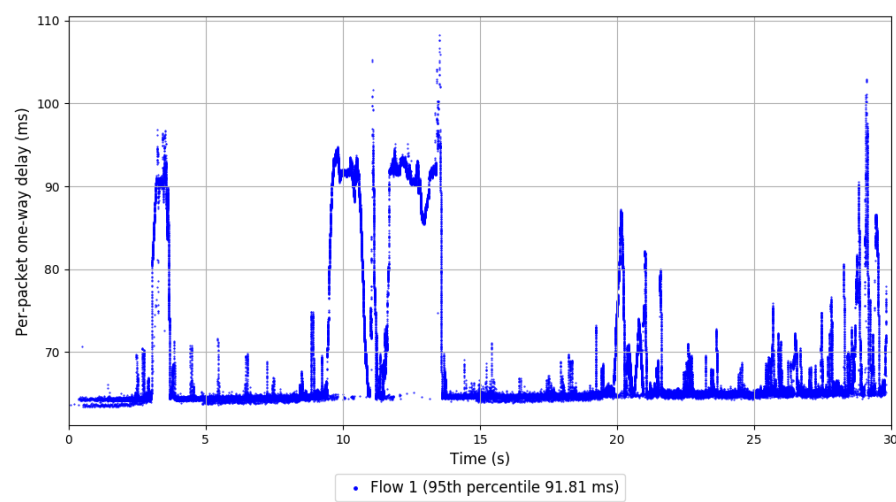
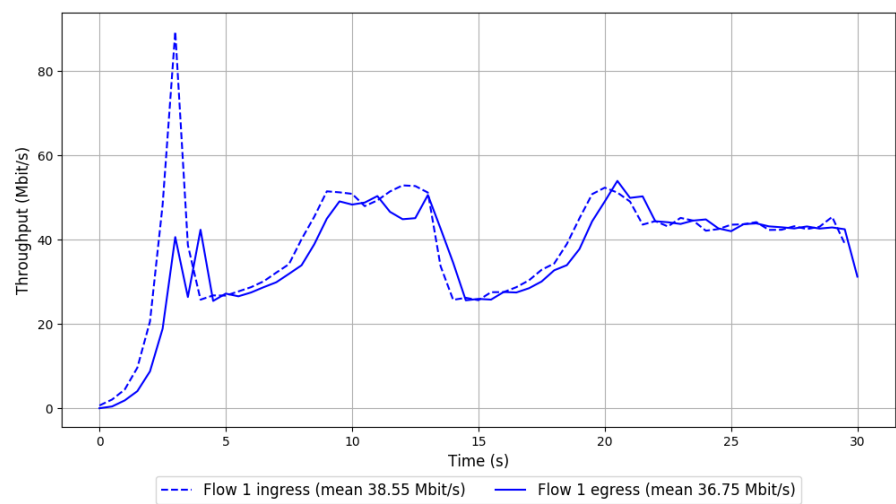


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-10 12:40:06  
End at: 2018-07-10 12:40:36  
Local clock offset: -1.101 ms  
Remote clock offset: 27.826 ms

# Below is generated by plot.py at 2018-07-10 16:08:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 36.75 Mbit/s  
95th percentile per-packet one-way delay: 91.811 ms  
Loss rate: 5.13%  
-- Flow 1:  
Average throughput: 36.75 Mbit/s  
95th percentile per-packet one-way delay: 91.811 ms  
Loss rate: 5.13%

Run 2: Report of PCC-Vivace — Data Link



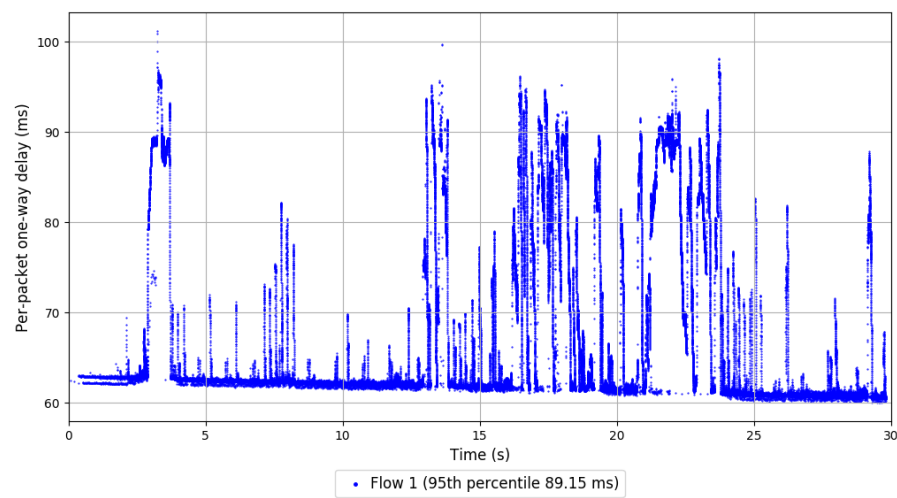
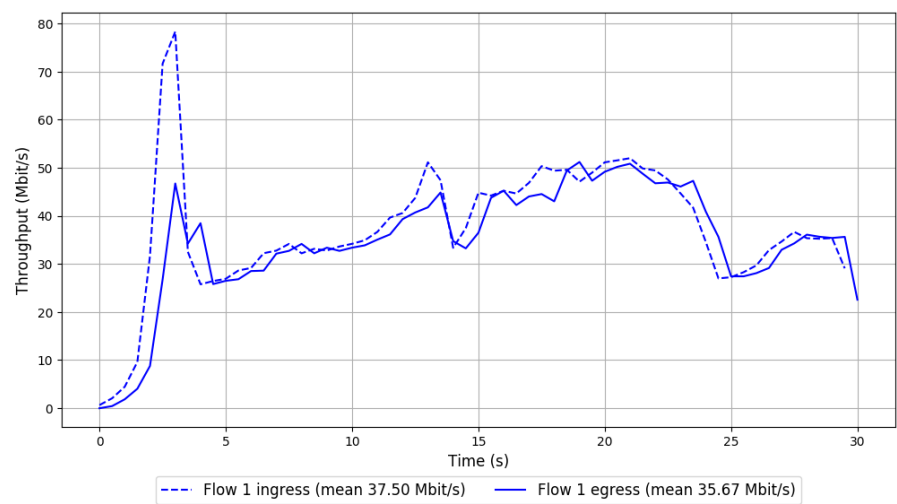
Run 3: Statistics of PCC-Vivace

Start at: 2018-07-10 13:02:22  
End at: 2018-07-10 13:02:52  
Local clock offset: -0.918 ms  
Remote clock offset: 44.459 ms

# Below is generated by plot.py at 2018-07-10 16:08:37  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 35.67 Mbit/s  
95th percentile per-packet one-way delay: 89.150 ms  
Loss rate: 5.38%  
-- Flow 1:  
Average throughput: 35.67 Mbit/s  
95th percentile per-packet one-way delay: 89.150 ms  
Loss rate: 5.38%



Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-10 13:24:35

End at: 2018-07-10 13:25:05

Local clock offset: -0.749 ms

Remote clock offset: 2.419 ms

# Below is generated by plot.py at 2018-07-10 16:08:37

# Datalink statistics

-- Total of 1 flow:

Average throughput: 31.66 Mbit/s

95th percentile per-packet one-way delay: 96.264 ms

Loss rate: 5.98%

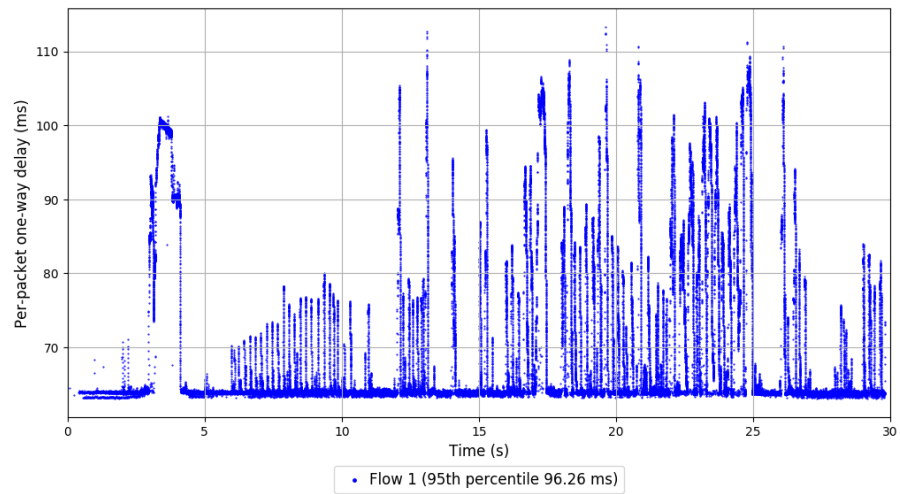
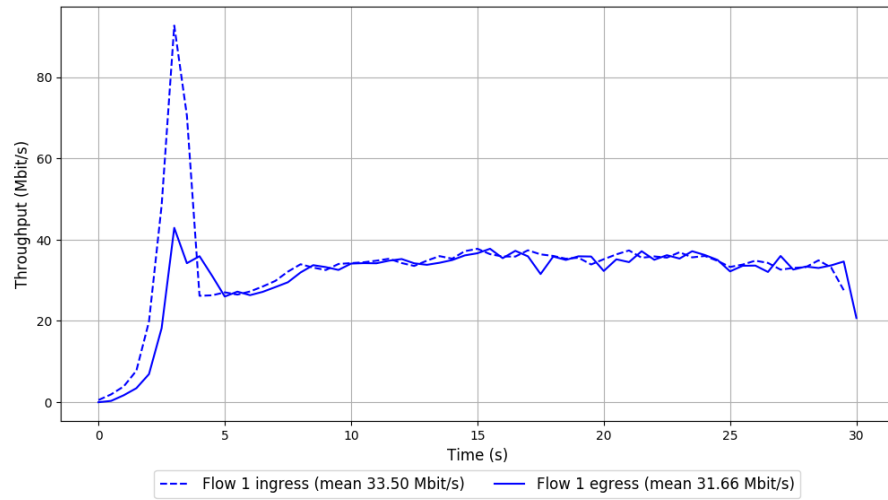
-- Flow 1:

Average throughput: 31.66 Mbit/s

95th percentile per-packet one-way delay: 96.264 ms

Loss rate: 5.98%

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



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-10 13:46:46

End at: 2018-07-10 13:47:16

Local clock offset: -0.446 ms

Remote clock offset: 6.991 ms

# Below is generated by plot.py at 2018-07-10 16:08:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 37.94 Mbit/s

95th percentile per-packet one-way delay: 85.603 ms

Loss rate: 4.24%

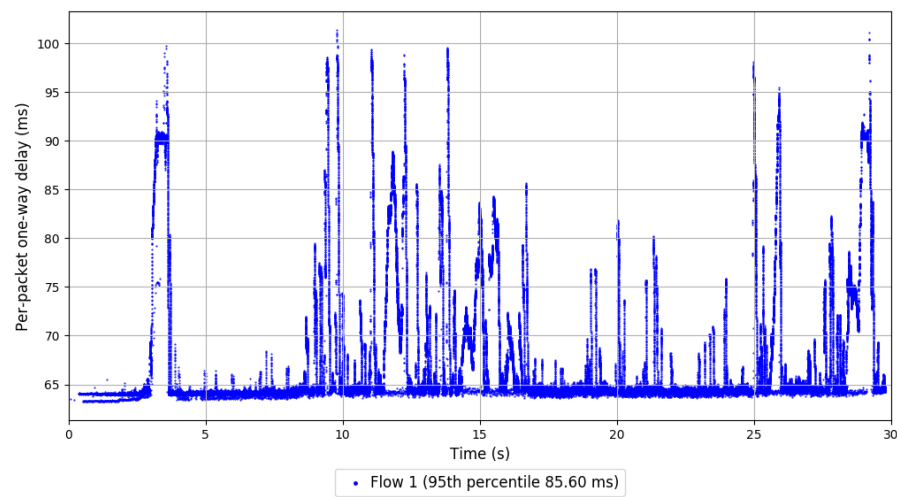
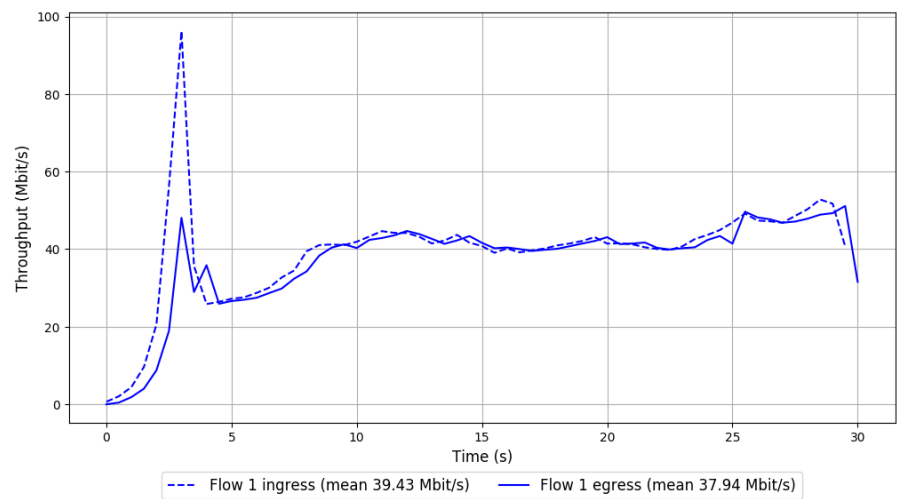
-- Flow 1:

Average throughput: 37.94 Mbit/s

95th percentile per-packet one-way delay: 85.603 ms

Loss rate: 4.24%

Run 5: Report of PCC-Vivace — Data Link

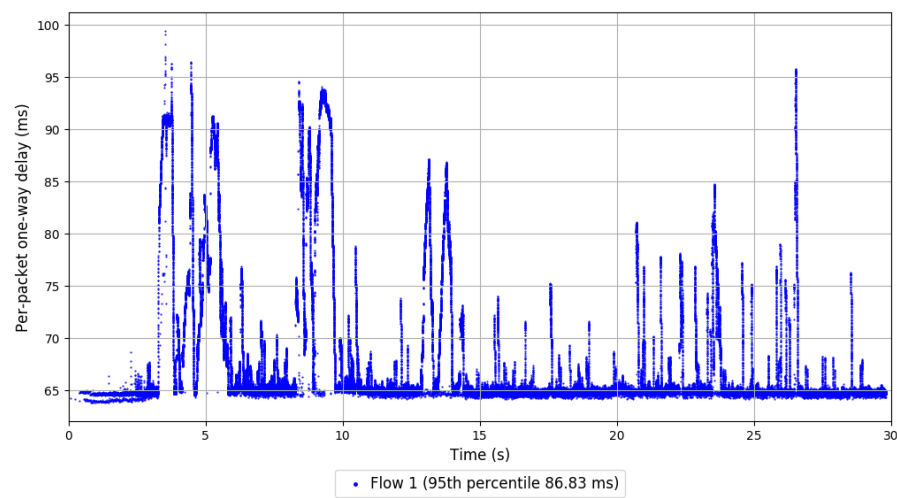
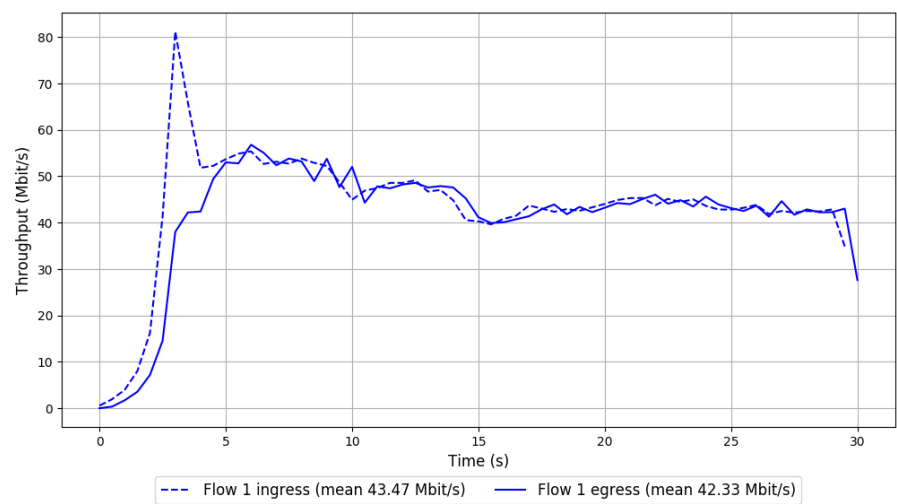


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-10 14:08:59  
End at: 2018-07-10 14:09:29  
Local clock offset: -0.148 ms  
Remote clock offset: 11.999 ms

# Below is generated by plot.py at 2018-07-10 16:08:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 42.33 Mbit/s  
95th percentile per-packet one-way delay: 86.831 ms  
Loss rate: 3.12%  
-- Flow 1:  
Average throughput: 42.33 Mbit/s  
95th percentile per-packet one-way delay: 86.831 ms  
Loss rate: 3.12%

Run 6: Report of PCC-Vivace — Data Link



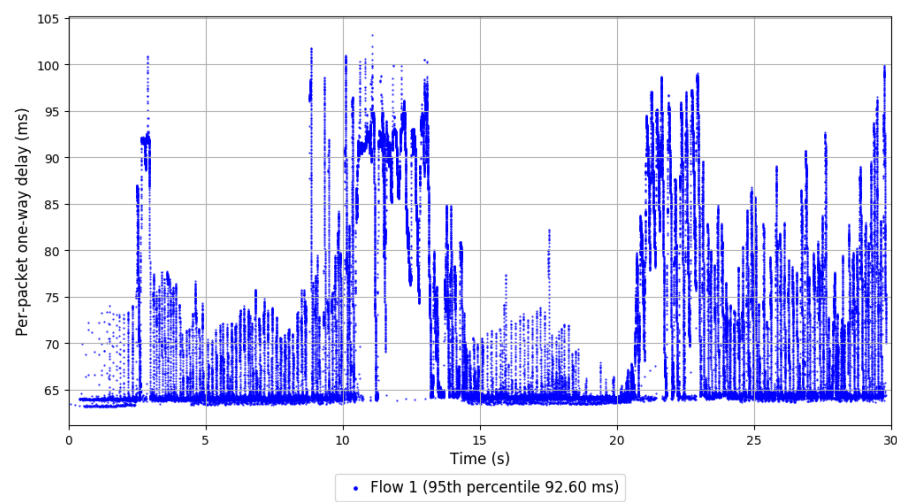
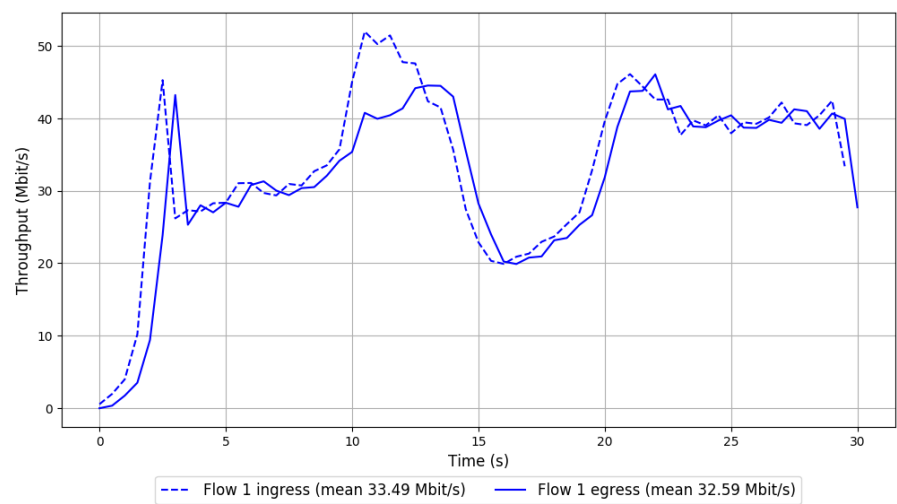
Run 7: Statistics of PCC-Vivace

Start at: 2018-07-10 14:31:10  
End at: 2018-07-10 14:31:40  
Local clock offset: -0.101 ms  
Remote clock offset: 36.771 ms

# Below is generated by plot.py at 2018-07-10 16:08:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 32.59 Mbit/s  
95th percentile per-packet one-way delay: 92.597 ms  
Loss rate: 3.19%  
-- Flow 1:  
Average throughput: 32.59 Mbit/s  
95th percentile per-packet one-way delay: 92.597 ms  
Loss rate: 3.19%



Run 7: Report of PCC-Vivace — Data Link

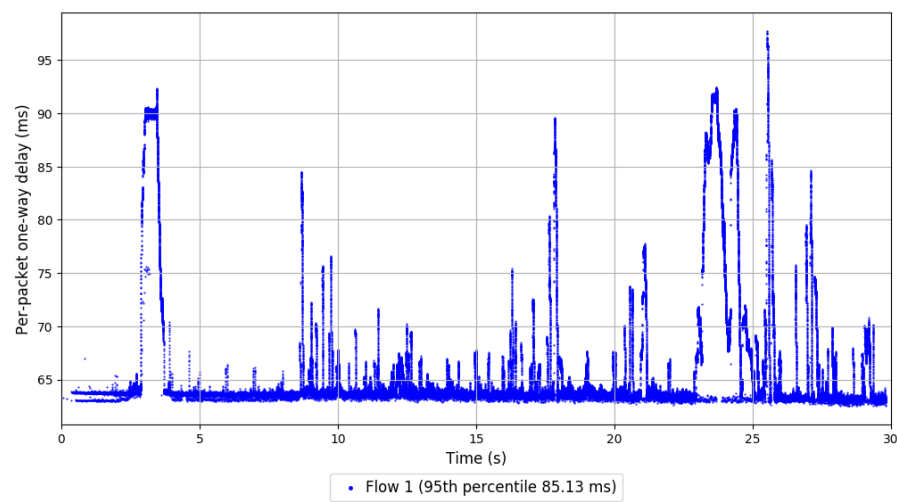
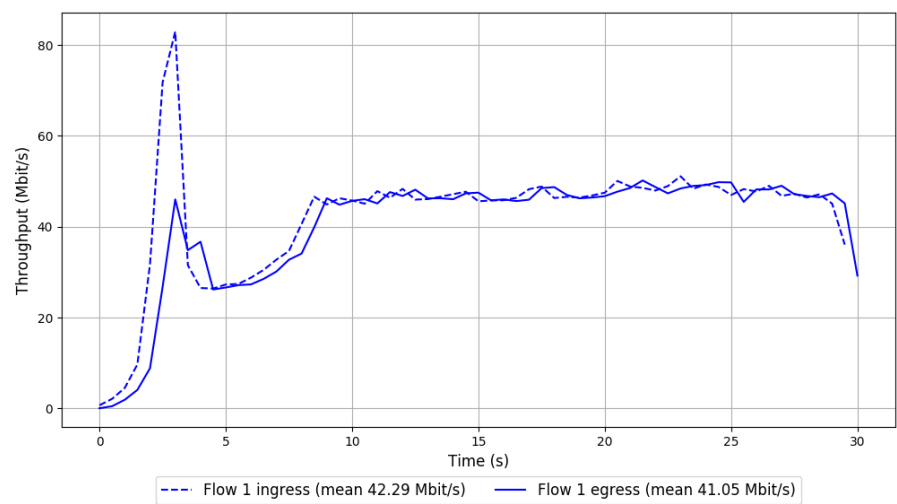


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-10 14:53:25  
End at: 2018-07-10 14:53:55  
Local clock offset: 0.28 ms  
Remote clock offset: 17.006 ms

# Below is generated by plot.py at 2018-07-10 16:08:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 41.05 Mbit/s  
95th percentile per-packet one-way delay: 85.127 ms  
Loss rate: 3.43%  
-- Flow 1:  
Average throughput: 41.05 Mbit/s  
95th percentile per-packet one-way delay: 85.127 ms  
Loss rate: 3.43%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-10 15:15:42

End at: 2018-07-10 15:16:12

Local clock offset: 0.202 ms

Remote clock offset: -1.646 ms

# Below is generated by plot.py at 2018-07-10 16:09:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 39.26 Mbit/s

95th percentile per-packet one-way delay: 74.082 ms

Loss rate: 3.51%

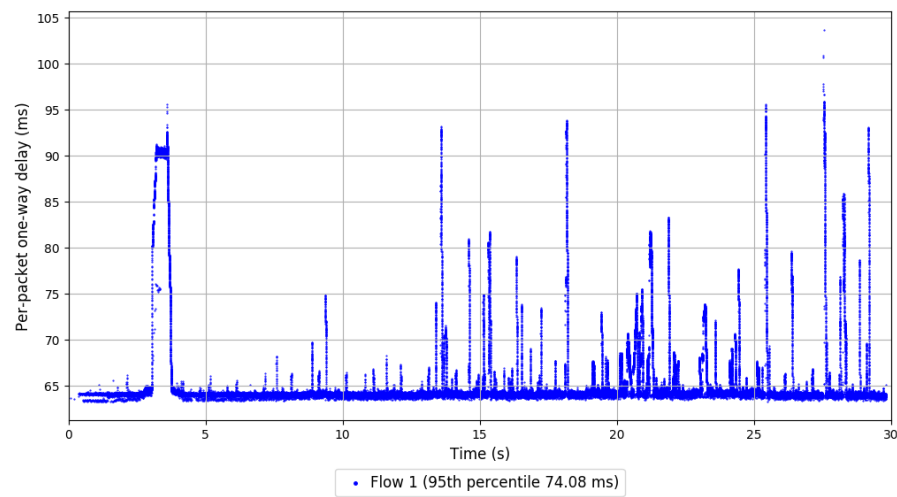
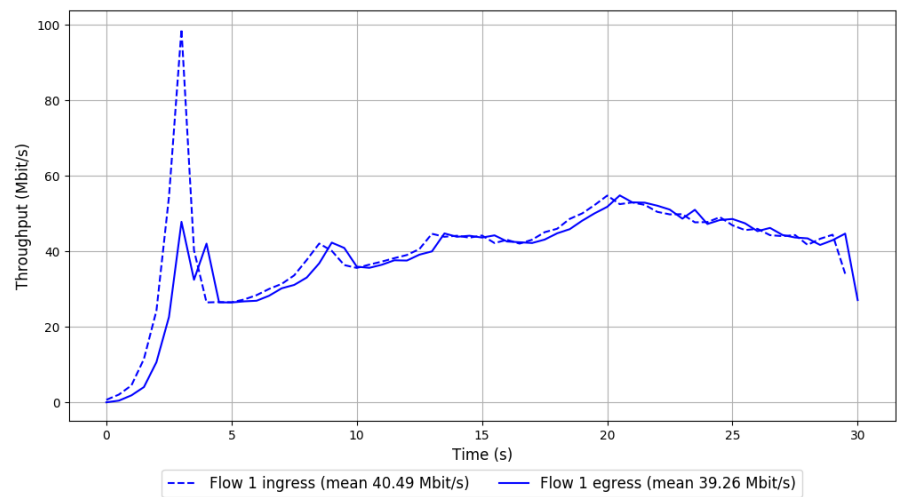
-- Flow 1:

Average throughput: 39.26 Mbit/s

95th percentile per-packet one-way delay: 74.082 ms

Loss rate: 3.51%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-10 15:37:59

End at: 2018-07-10 15:38:29

Local clock offset: 0.16 ms

Remote clock offset: 8.986 ms

# Below is generated by plot.py at 2018-07-10 16:09:02

# Datalink statistics

-- Total of 1 flow:

Average throughput: 46.07 Mbit/s

95th percentile per-packet one-way delay: 90.547 ms

Loss rate: 5.52%

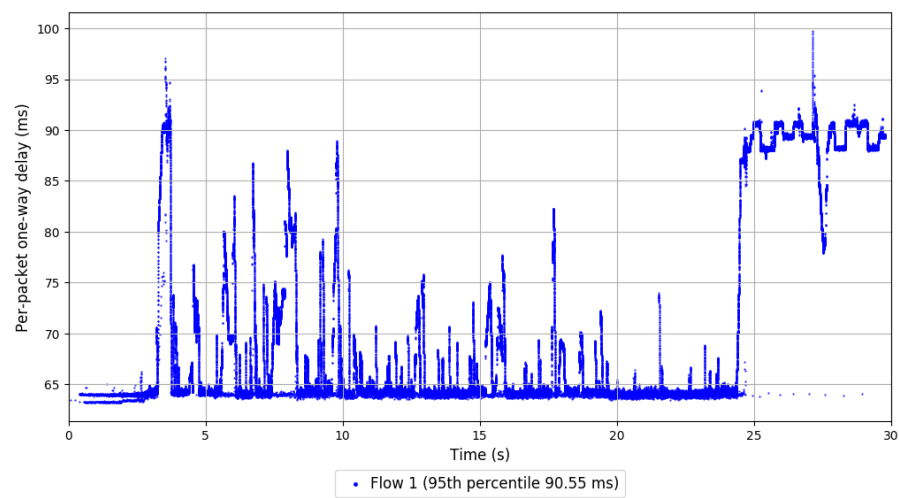
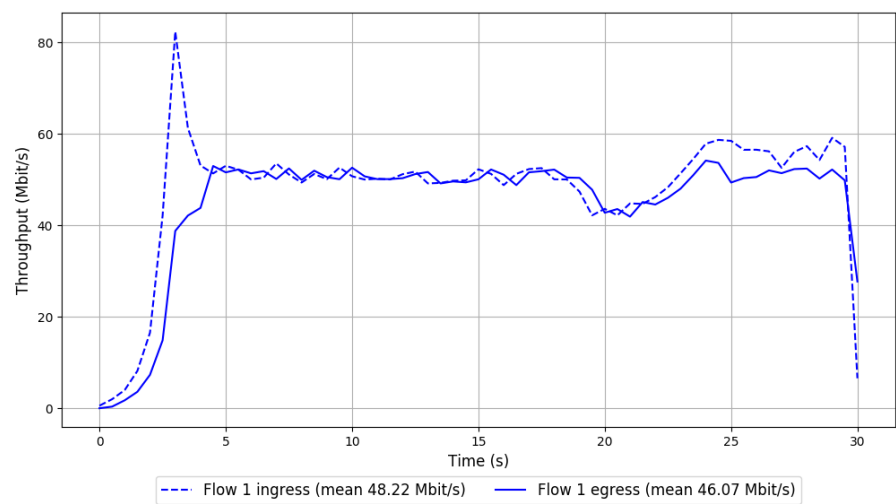
-- Flow 1:

Average throughput: 46.07 Mbit/s

95th percentile per-packet one-way delay: 90.547 ms

Loss rate: 5.52%

Run 10: Report of PCC-Vivace — Data Link



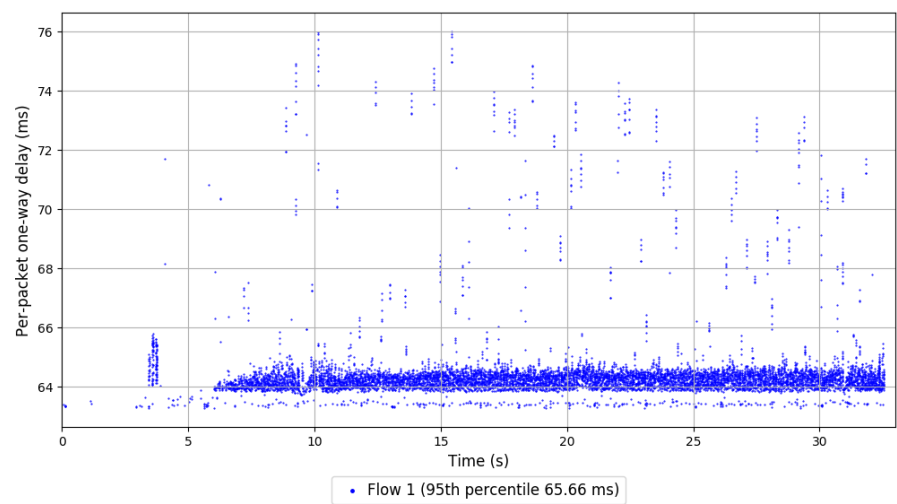
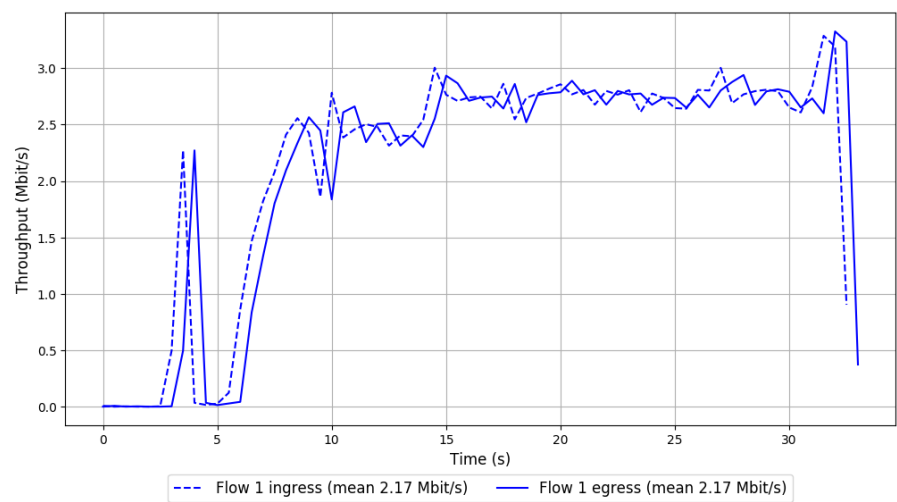
Run 1: Statistics of WebRTC media

Start at: 2018-07-10 12:21:48  
End at: 2018-07-10 12:22:18  
Local clock offset: -1.0 ms  
Remote clock offset: -2.845 ms

# Below is generated by plot.py at 2018-07-10 16:09:02  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.17 Mbit/s  
95th percentile per-packet one-way delay: 65.656 ms  
Loss rate: 0.64%  
-- Flow 1:  
Average throughput: 2.17 Mbit/s  
95th percentile per-packet one-way delay: 65.656 ms  
Loss rate: 0.64%



Run 1: Report of WebRTC media — Data Link

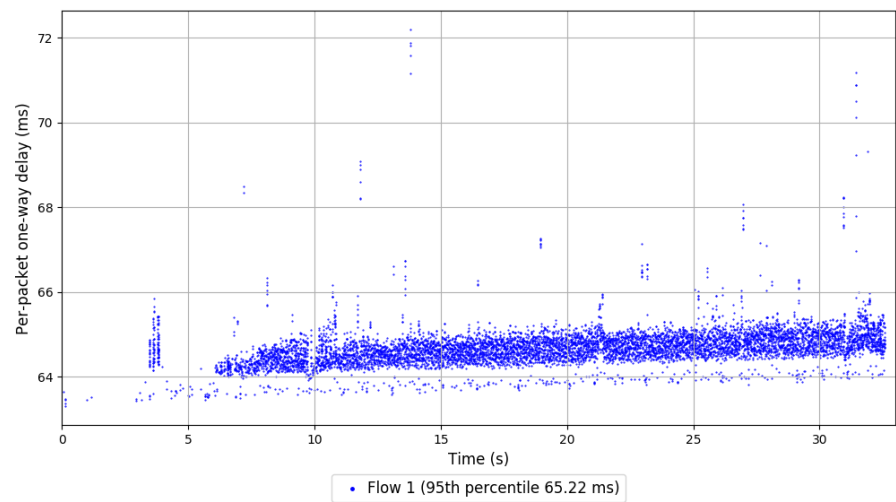
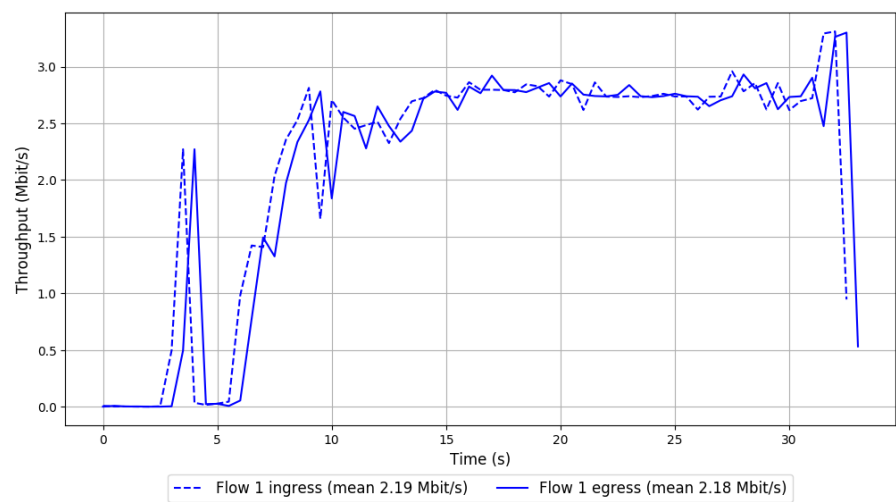


Run 2: Statistics of WebRTC media

Start at: 2018-07-10 12:44:01  
End at: 2018-07-10 12:44:31  
Local clock offset: -1.024 ms  
Remote clock offset: 32.876 ms

# Below is generated by plot.py at 2018-07-10 16:09:02  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.18 Mbit/s  
95th percentile per-packet one-way delay: 65.223 ms  
Loss rate: 0.59%  
-- Flow 1:  
Average throughput: 2.18 Mbit/s  
95th percentile per-packet one-way delay: 65.223 ms  
Loss rate: 0.59%

Run 2: Report of WebRTC media — Data Link

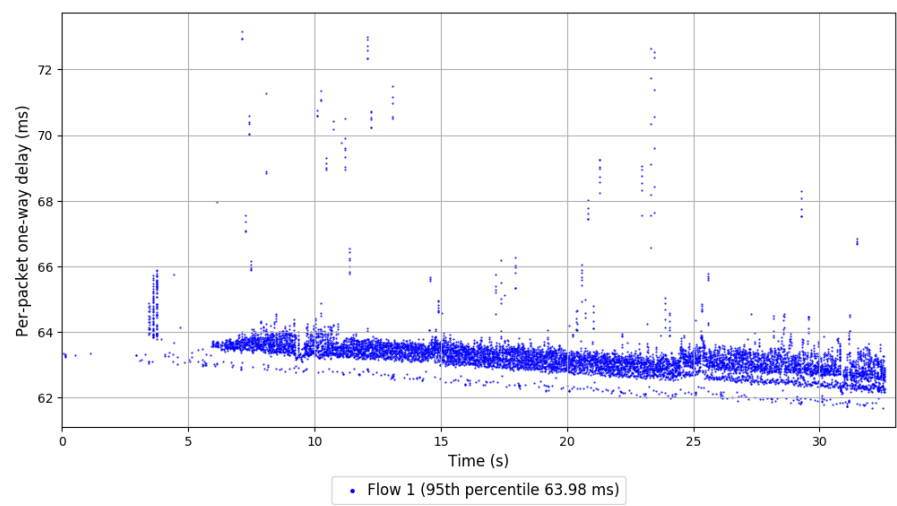
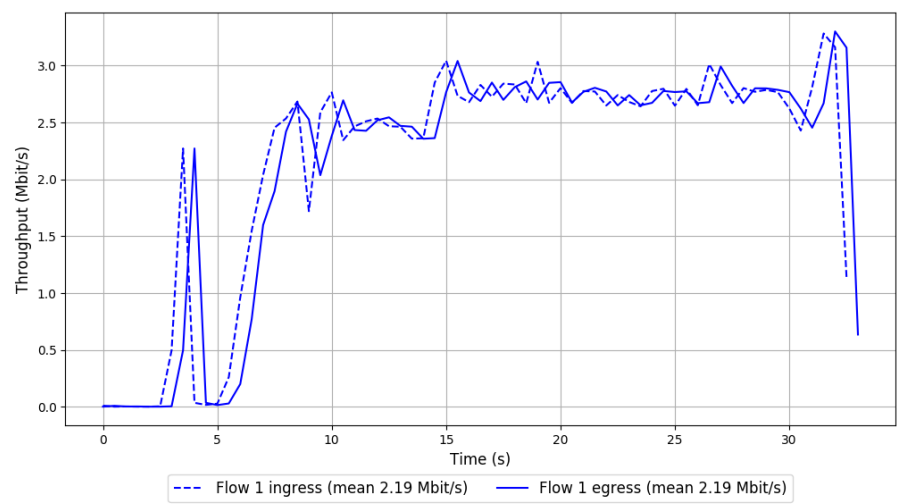


Run 3: Statistics of WebRTC media

Start at: 2018-07-10 13:06:17  
End at: 2018-07-10 13:06:47  
Local clock offset: -0.957 ms  
Remote clock offset: 27.827 ms

# Below is generated by plot.py at 2018-07-10 16:09:02  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.19 Mbit/s  
95th percentile per-packet one-way delay: 63.980 ms  
Loss rate: 0.65%  
-- Flow 1:  
Average throughput: 2.19 Mbit/s  
95th percentile per-packet one-way delay: 63.980 ms  
Loss rate: 0.65%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-10 13:28:30

End at: 2018-07-10 13:29:00

Local clock offset: -0.43 ms

Remote clock offset: 0.896 ms

# Below is generated by plot.py at 2018-07-10 16:09:02

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 65.378 ms

Loss rate: 0.62%

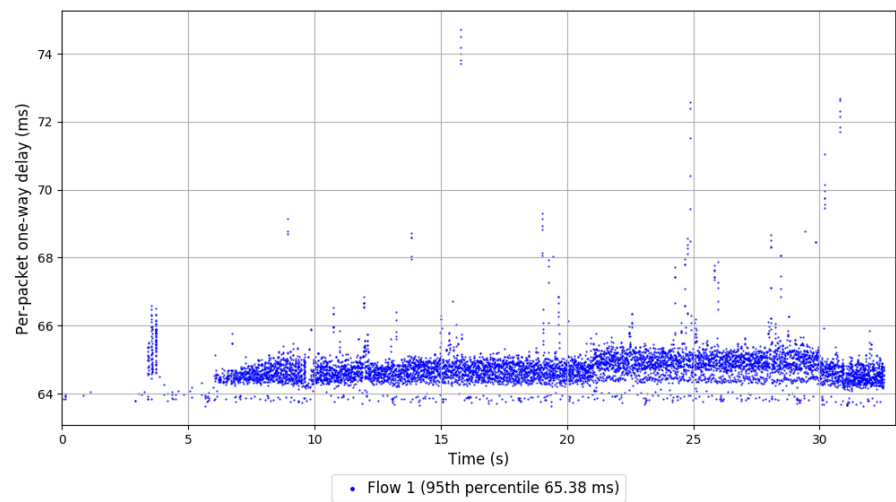
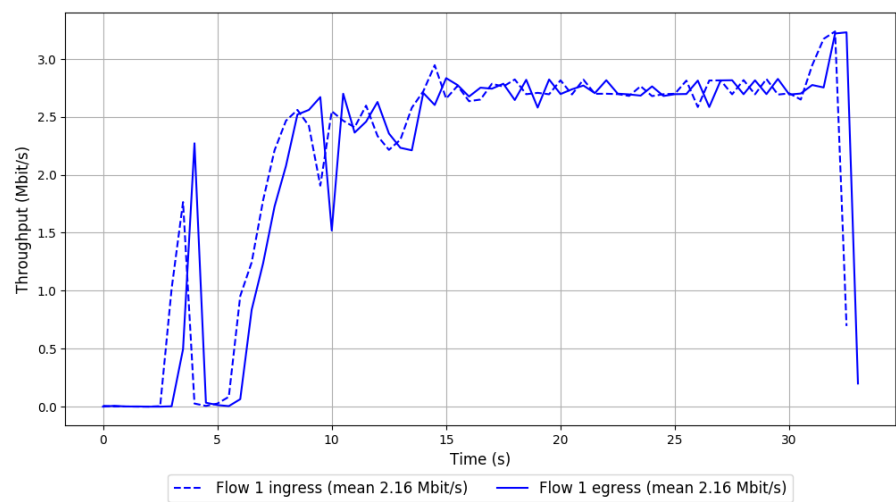
-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 65.378 ms

Loss rate: 0.62%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-10 13:50:41

End at: 2018-07-10 13:51:11

Local clock offset: -0.519 ms

Remote clock offset: 8.313 ms

# Below is generated by plot.py at 2018-07-10 16:09:02

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 65.331 ms

Loss rate: 0.64%

-- Flow 1:

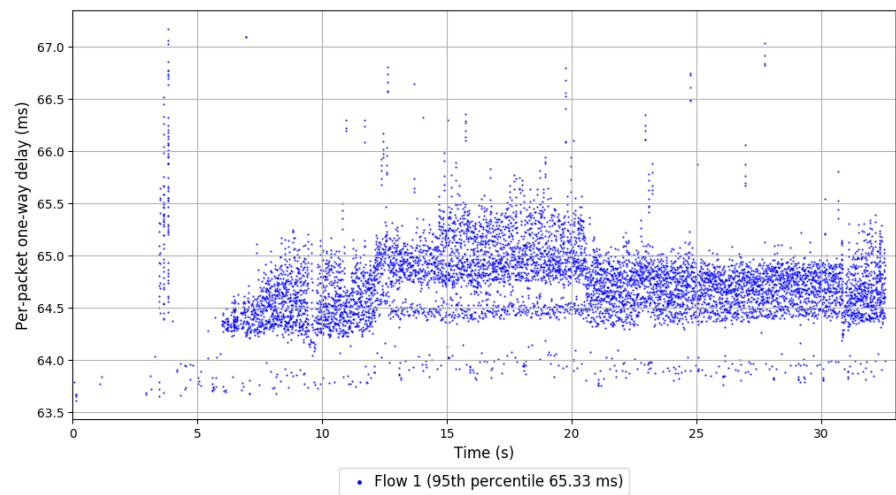
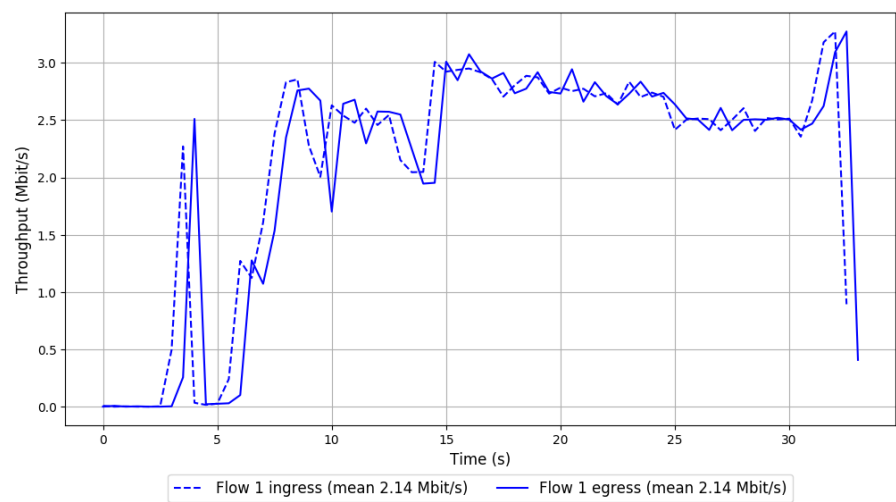
Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 65.331 ms

Loss rate: 0.64%



Run 5: Report of WebRTC media — Data Link

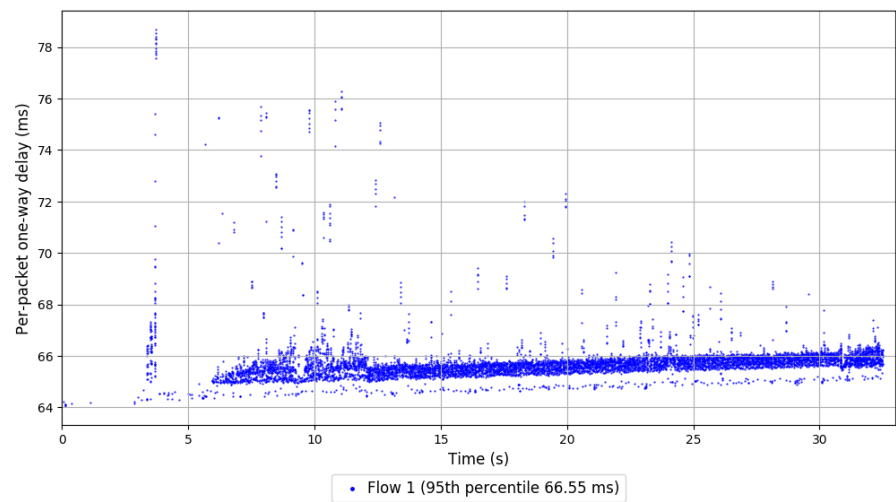
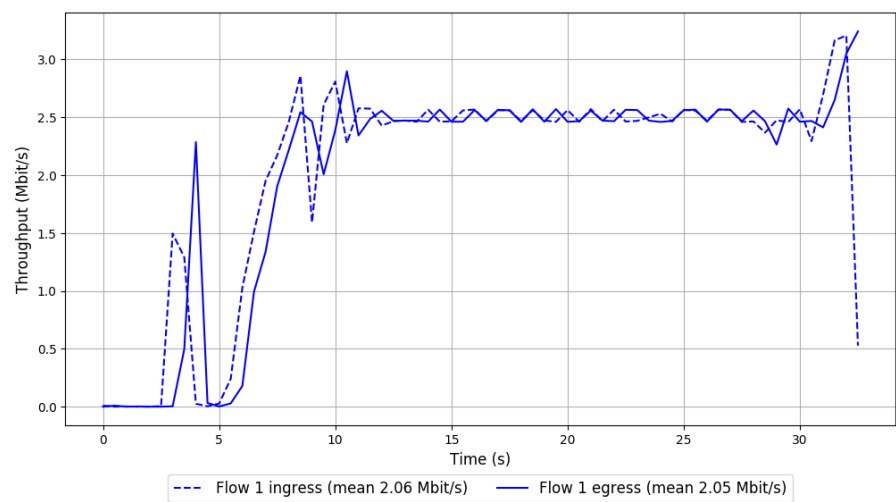


Run 6: Statistics of WebRTC media

Start at: 2018-07-10 14:12:55  
End at: 2018-07-10 14:13:25  
Local clock offset: -0.315 ms  
Remote clock offset: 18.133 ms

# Below is generated by plot.py at 2018-07-10 16:09:02  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.05 Mbit/s  
95th percentile per-packet one-way delay: 66.551 ms  
Loss rate: 0.69%  
-- Flow 1:  
Average throughput: 2.05 Mbit/s  
95th percentile per-packet one-way delay: 66.551 ms  
Loss rate: 0.69%

Run 6: Report of WebRTC media — Data Link

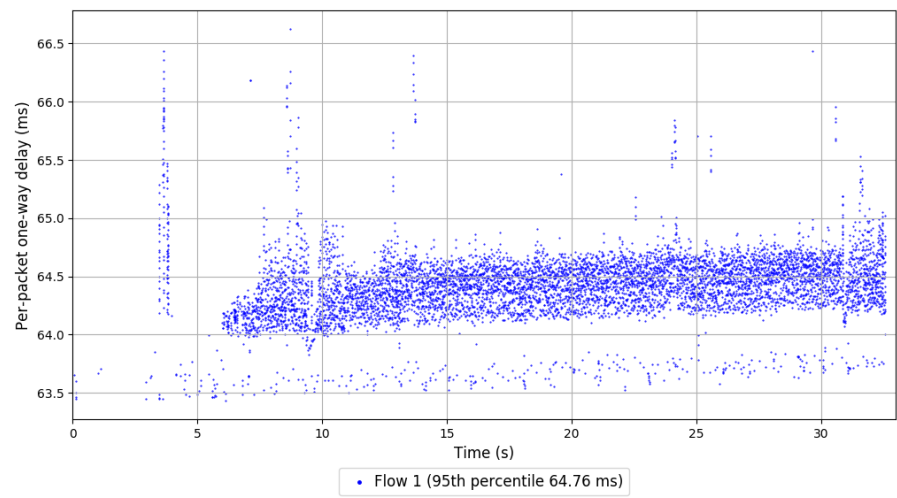
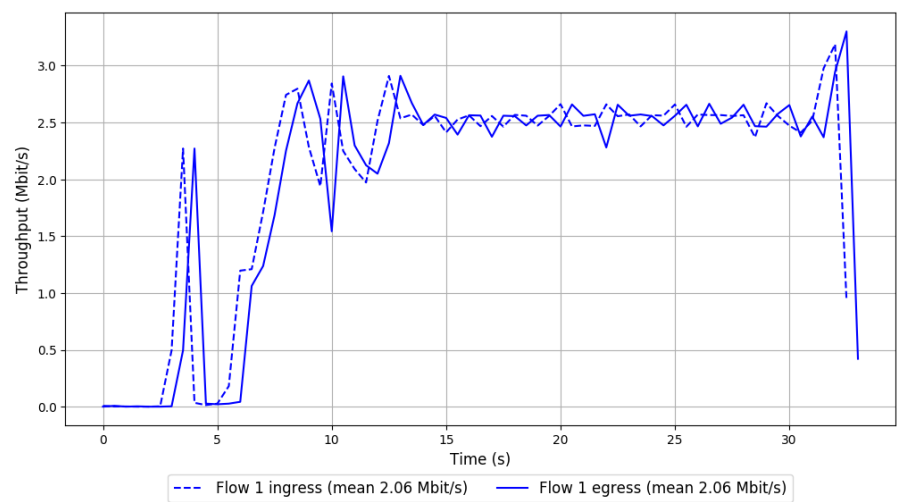


Run 7: Statistics of WebRTC media

Start at: 2018-07-10 14:35:05  
End at: 2018-07-10 14:35:35  
Local clock offset: 0.082 ms  
Remote clock offset: 38.703 ms

# Below is generated by plot.py at 2018-07-10 16:09:02  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.06 Mbit/s  
95th percentile per-packet one-way delay: 64.764 ms  
Loss rate: 0.61%  
-- Flow 1:  
Average throughput: 2.06 Mbit/s  
95th percentile per-packet one-way delay: 64.764 ms  
Loss rate: 0.61%

Run 7: Report of WebRTC media — Data Link

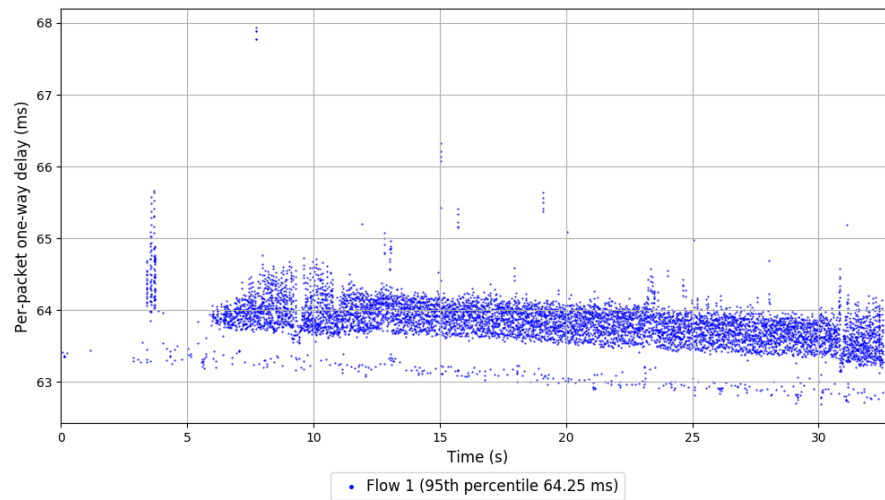
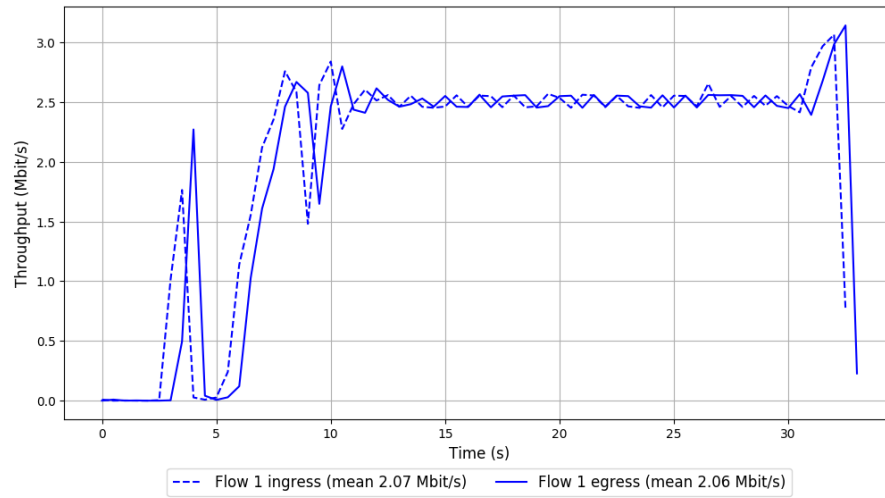


Run 8: Statistics of WebRTC media

Start at: 2018-07-10 14:57:21  
End at: 2018-07-10 14:57:51  
Local clock offset: 0.108 ms  
Remote clock offset: 11.173 ms

# Below is generated by plot.py at 2018-07-10 16:09:02  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.06 Mbit/s  
95th percentile per-packet one-way delay: 64.255 ms  
Loss rate: 0.64%  
-- Flow 1:  
Average throughput: 2.06 Mbit/s  
95th percentile per-packet one-way delay: 64.255 ms  
Loss rate: 0.64%

# Run 8: Report of WebRTC media — Data Link



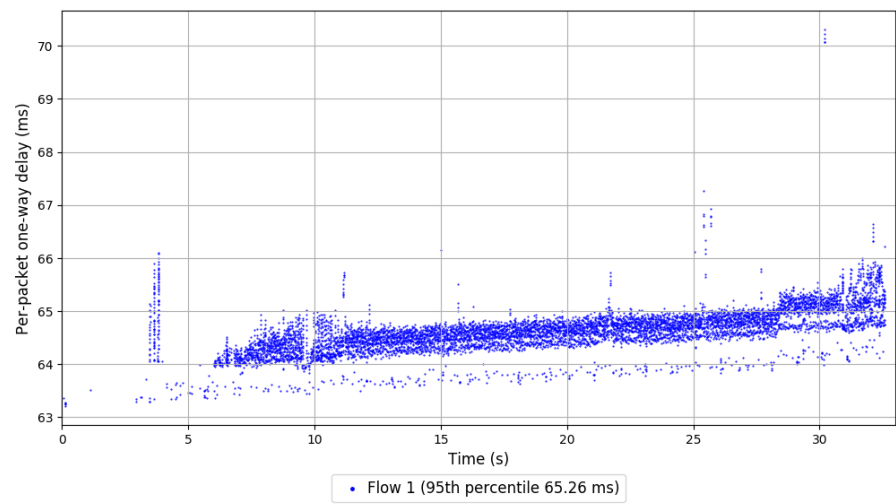
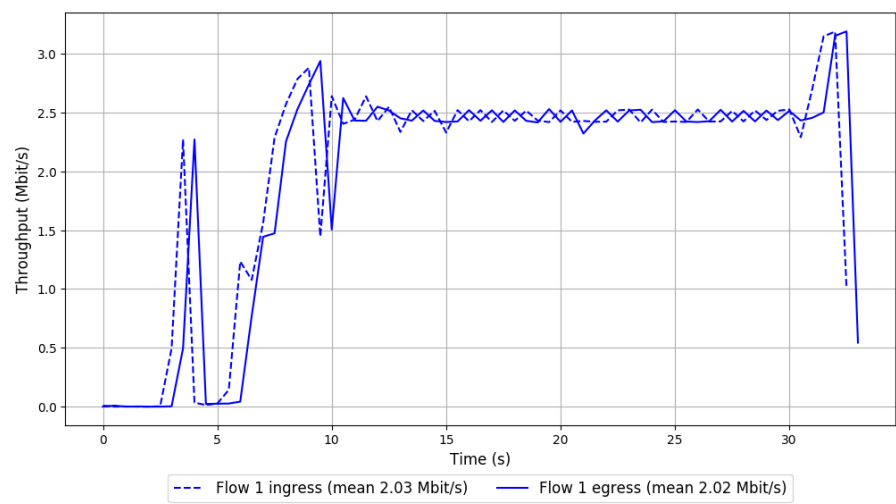
Run 9: Statistics of WebRTC media

Start at: 2018-07-10 15:19:38  
End at: 2018-07-10 15:20:08  
Local clock offset: 0.235 ms  
Remote clock offset: -0.936 ms

# Below is generated by plot.py at 2018-07-10 16:09:02  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.02 Mbit/s  
95th percentile per-packet one-way delay: 65.264 ms  
Loss rate: 0.66%  
-- Flow 1:  
Average throughput: 2.02 Mbit/s  
95th percentile per-packet one-way delay: 65.264 ms  
Loss rate: 0.66%



Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-10 15:41:56

End at: 2018-07-10 15:42:26

Local clock offset: 0.089 ms

Remote clock offset: 9.108 ms

# Below is generated by plot.py at 2018-07-10 16:09:02

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.20 Mbit/s

95th percentile per-packet one-way delay: 64.899 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 2.20 Mbit/s

95th percentile per-packet one-way delay: 64.899 ms

Loss rate: 0.60%

Run 10: Report of WebRTC media — Data Link

