

Pantheon Report

Generated at 2018-06-06 17:25:18 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

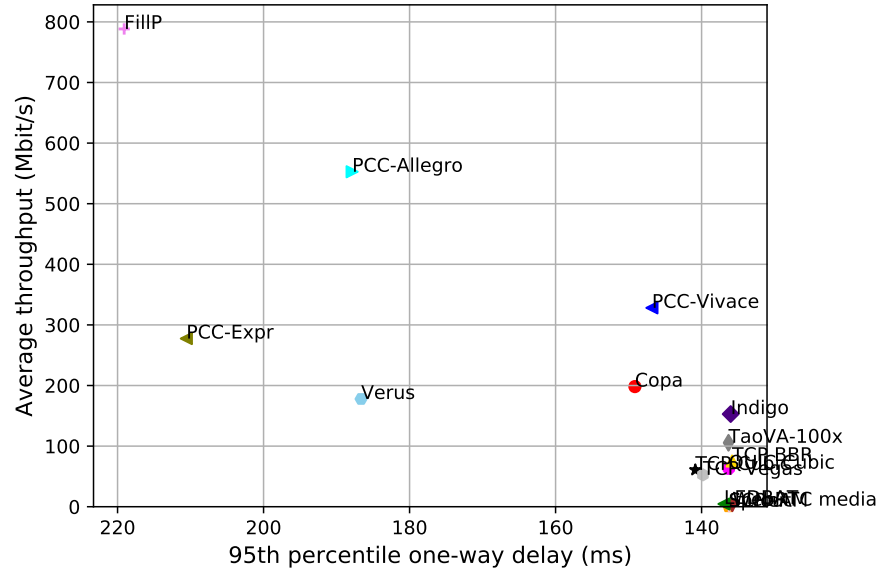
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

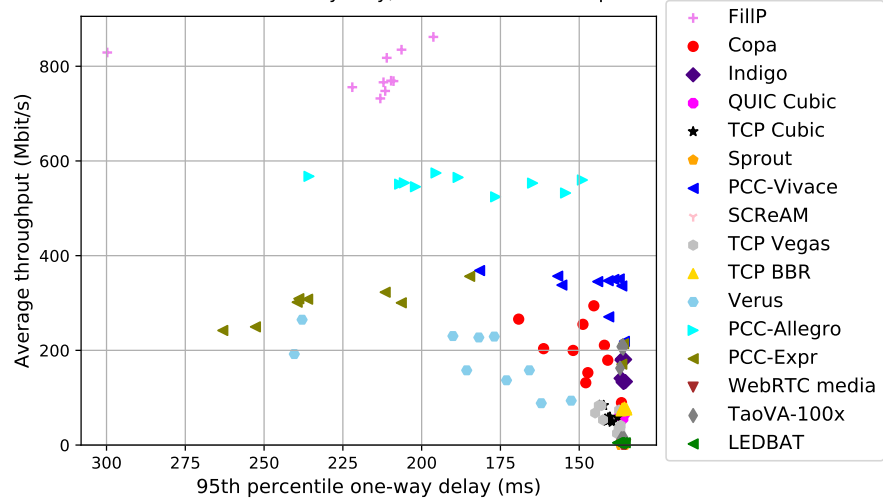
Git summary:

```
branch: master @ 227fdf9a3757f17b88537cceed5743a33037a3d2
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



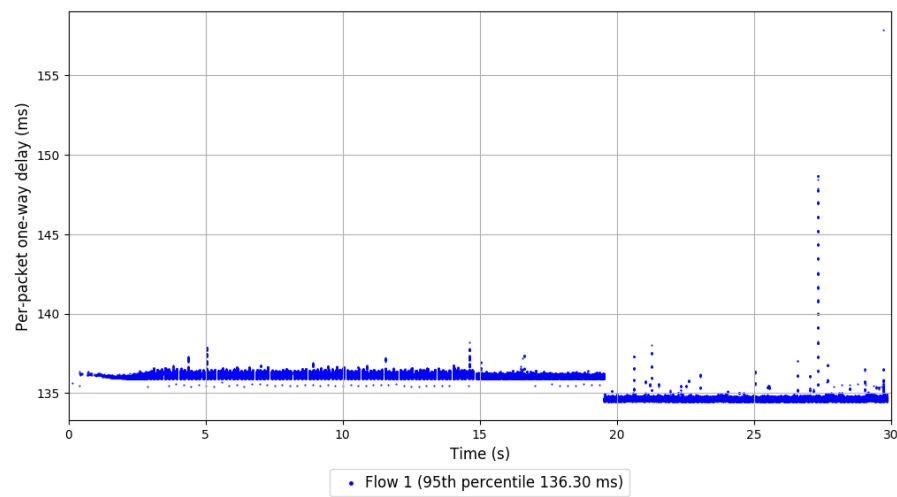
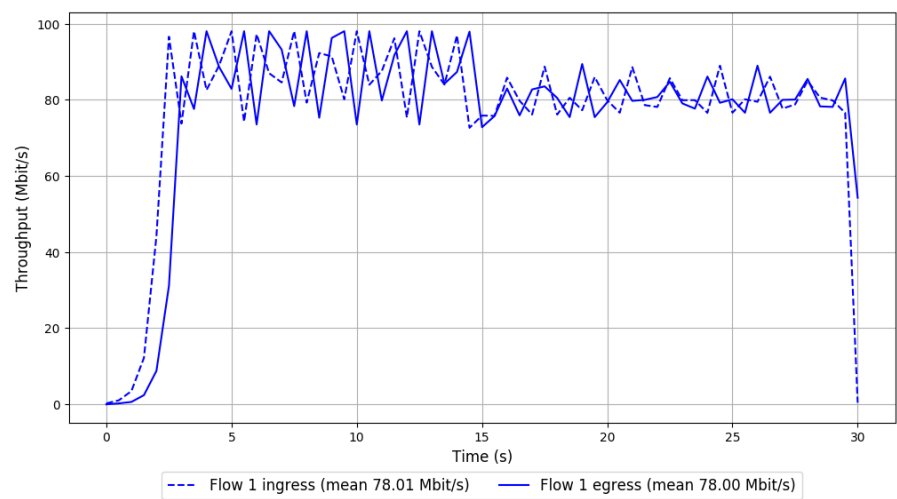
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	75.44	135.83	0.98
Copa	10	198.22	149.13	0.77
TCP Cubic	10	60.73	140.86	1.13
FillP	10	788.35	219.09	4.28
Indigo	10	152.89	136.02	0.95
LEDBAT	10	4.56	136.94	1.88
PCC-Allegro	10	552.71	187.87	2.10
PCC-Expr	10	277.47	210.58	2.36
QUIC Cubic	10	62.80	136.27	1.27
SCReAM	10	0.22	136.22	0.89
Sprout	10	0.18	136.30	0.73
TaoVA-100x	10	105.50	136.31	0.88
TCP Vegas	10	52.62	139.81	0.87
Verus	10	177.80	186.64	1.58
PCC-Vivace	10	328.15	146.81	1.14
WebRTC media	10	1.79	135.79	1.08

```
Run 1: Statistics of TCP BBR

Start at: 2018-06-06 12:44:18
End at: 2018-06-06 12:44:48
Local clock offset: -0.019 ms
Remote clock offset: 0.309 ms

# Below is generated by plot.py at 2018-06-06 16:10:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.00 Mbit/s
95th percentile per-packet one-way delay: 136.301 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 78.00 Mbit/s
95th percentile per-packet one-way delay: 136.301 ms
Loss rate: 0.91%
```


Run 1: Report of TCP BBR — Data Link

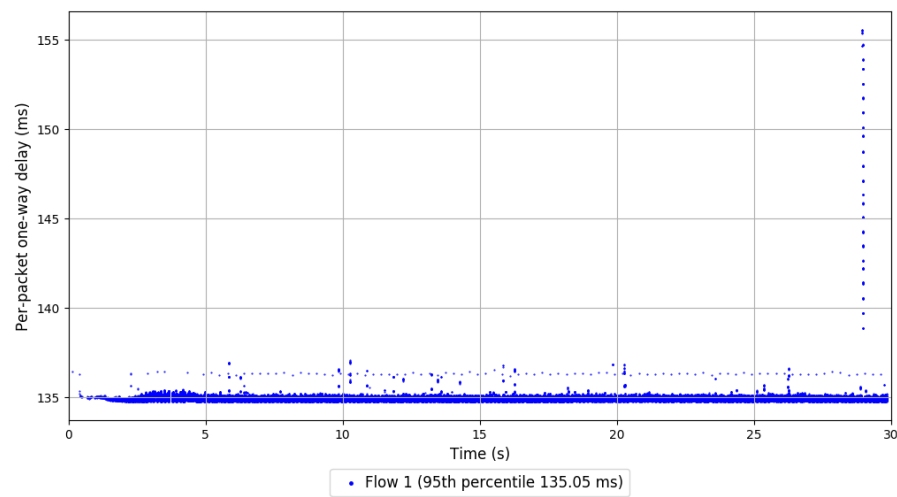
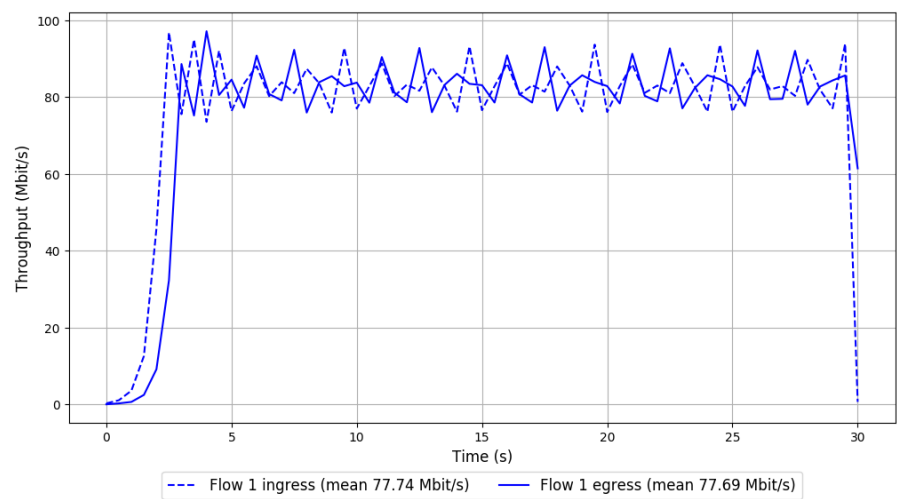


Run 2: Statistics of TCP BBR

Start at: 2018-06-06 13:05:43
End at: 2018-06-06 13:06:13
Local clock offset: -0.014 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-06-06 16:10:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.69 Mbit/s
95th percentile per-packet one-way delay: 135.046 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 77.69 Mbit/s
95th percentile per-packet one-way delay: 135.046 ms
Loss rate: 1.05%

Run 2: Report of TCP BBR — Data Link

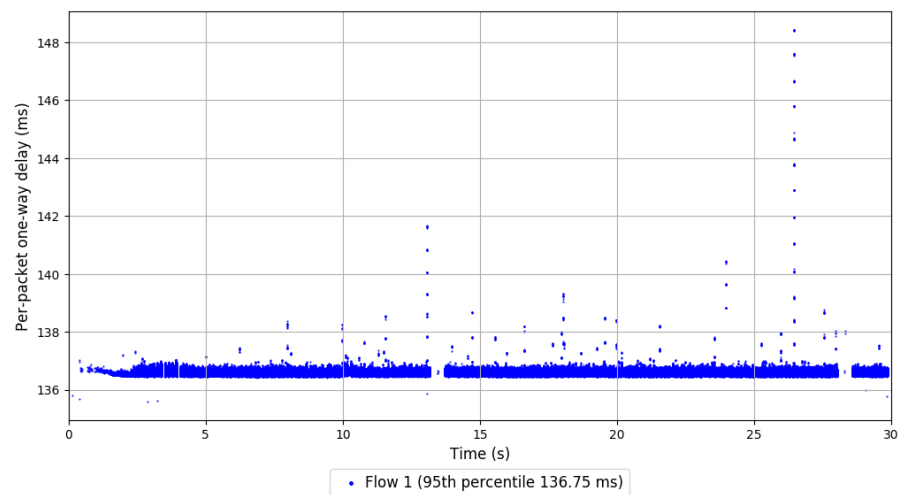
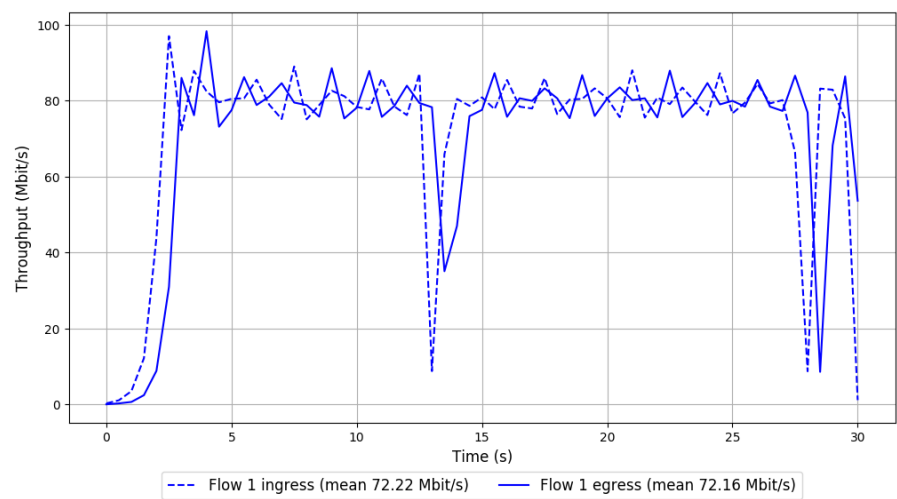


Run 3: Statistics of TCP BBR

Start at: 2018-06-06 13:27:07
End at: 2018-06-06 13:27:37
Local clock offset: -0.136 ms
Remote clock offset: -0.427 ms

Below is generated by plot.py at 2018-06-06 16:10:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.16 Mbit/s
95th percentile per-packet one-way delay: 136.748 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 72.16 Mbit/s
95th percentile per-packet one-way delay: 136.748 ms
Loss rate: 0.99%

Run 3: Report of TCP BBR — Data Link

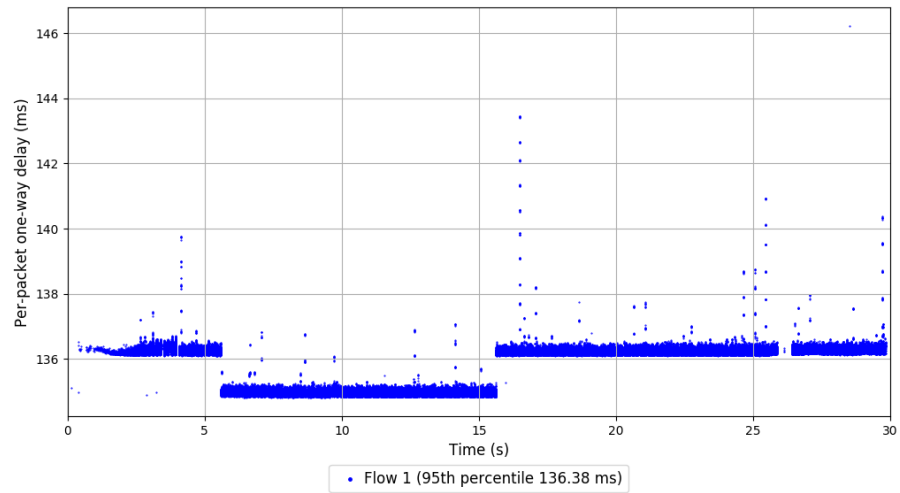
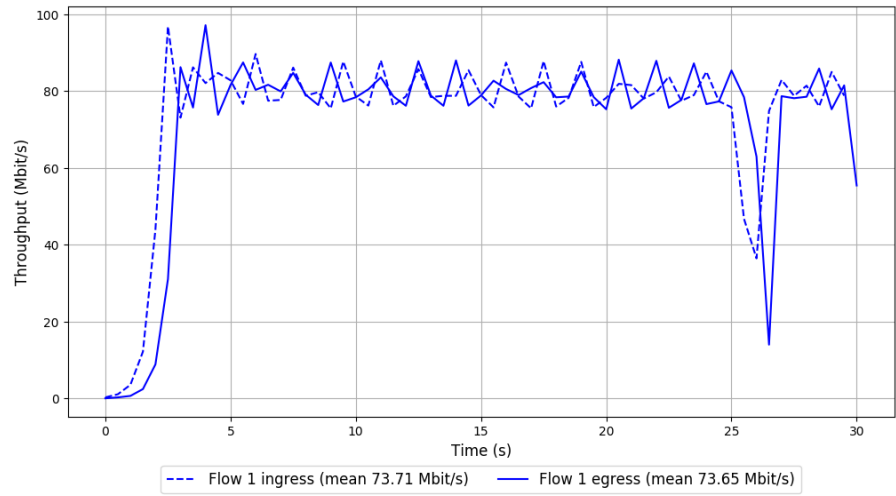


Run 4: Statistics of TCP BBR

Start at: 2018-06-06 13:48:32
End at: 2018-06-06 13:49:02
Local clock offset: -0.158 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-06-06 16:10:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.65 Mbit/s
95th percentile per-packet one-way delay: 136.377 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 73.65 Mbit/s
95th percentile per-packet one-way delay: 136.377 ms
Loss rate: 1.06%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-06-06 14:09:32

End at: 2018-06-06 14:10:02

Local clock offset: 0.011 ms

Remote clock offset: 0.358 ms

Below is generated by plot.py at 2018-06-06 16:10:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.05 Mbit/s

95th percentile per-packet one-way delay: 134.908 ms

Loss rate: 1.02%

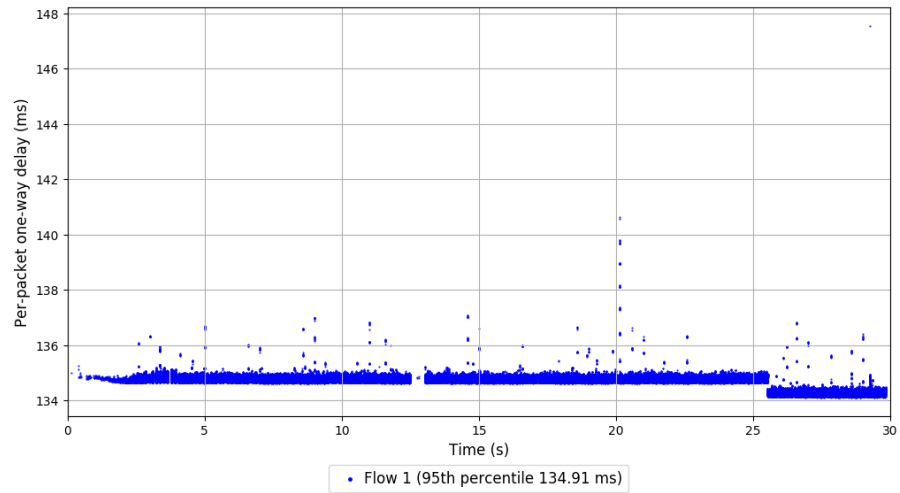
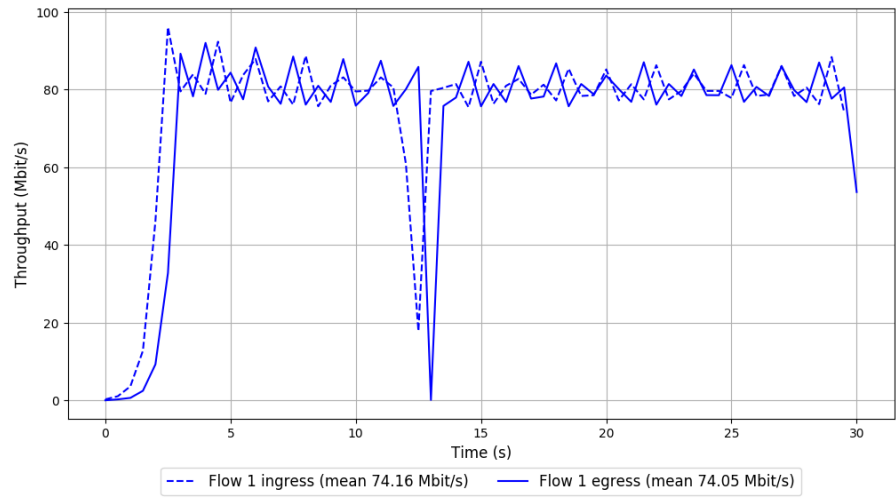
-- Flow 1:

Average throughput: 74.05 Mbit/s

95th percentile per-packet one-way delay: 134.908 ms

Loss rate: 1.02%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-06-06 14:30:32

End at: 2018-06-06 14:31:02

Local clock offset: -0.094 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-06-06 16:10:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.92 Mbit/s

95th percentile per-packet one-way delay: 135.962 ms

Loss rate: 0.95%

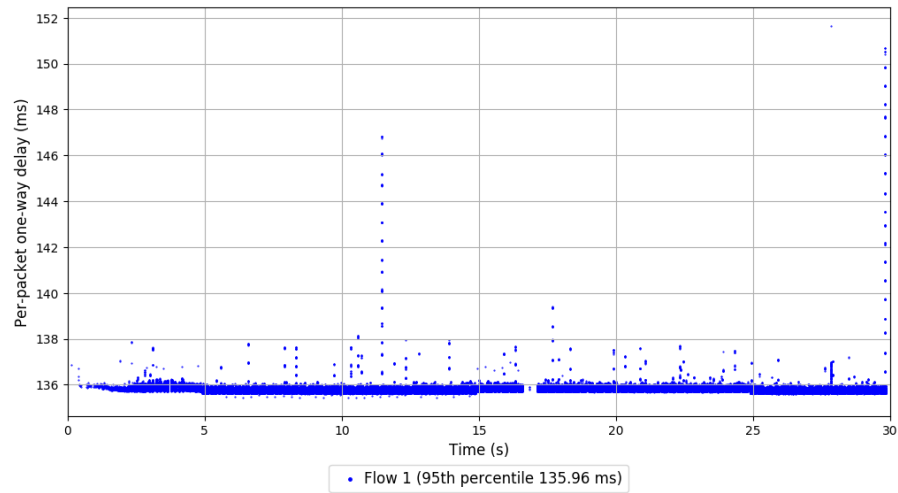
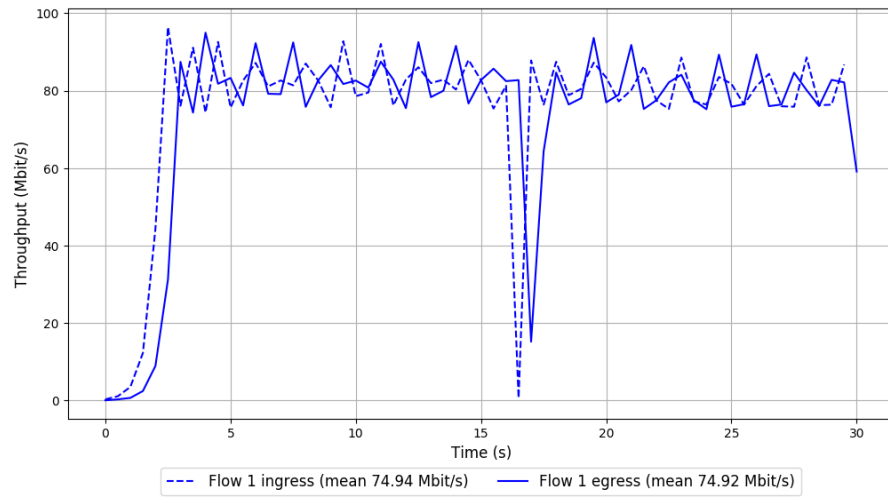
-- Flow 1:

Average throughput: 74.92 Mbit/s

95th percentile per-packet one-way delay: 135.962 ms

Loss rate: 0.95%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-06-06 14:52:21

End at: 2018-06-06 14:52:51

Local clock offset: -0.104 ms

Remote clock offset: 0.111 ms

Below is generated by plot.py at 2018-06-06 16:10:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.19 Mbit/s

95th percentile per-packet one-way delay: 135.579 ms

Loss rate: 1.02%

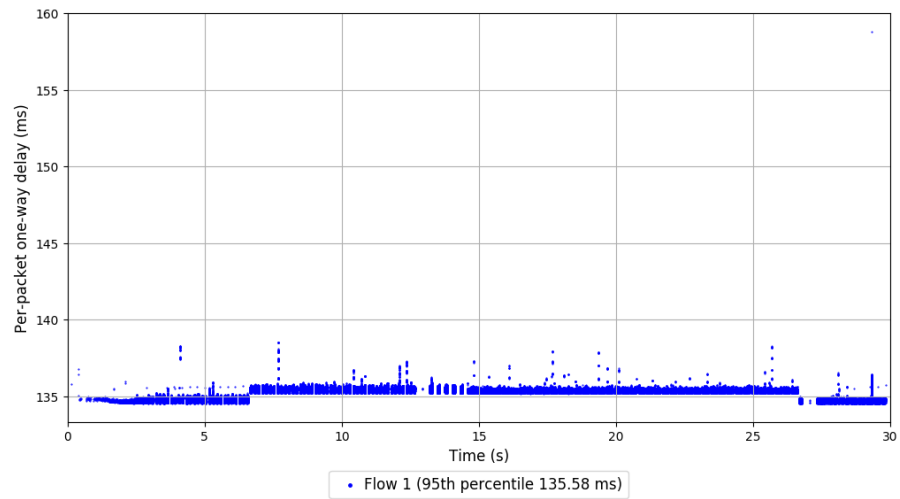
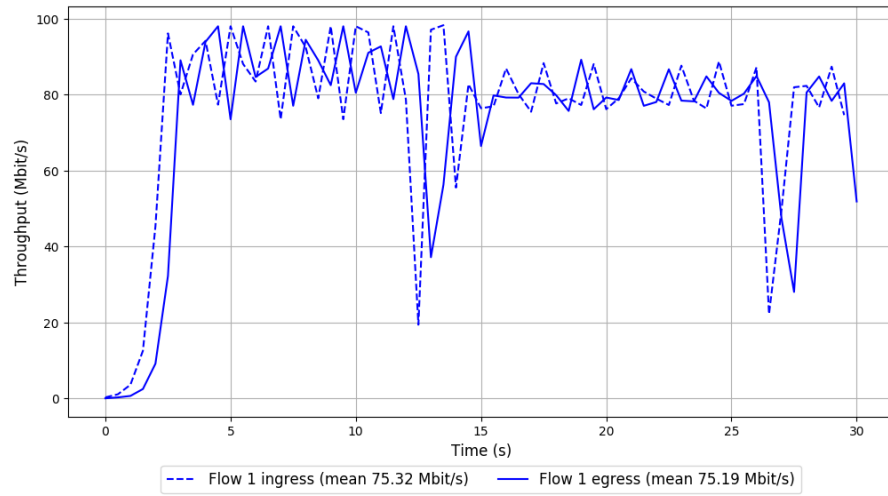
-- Flow 1:

Average throughput: 75.19 Mbit/s

95th percentile per-packet one-way delay: 135.579 ms

Loss rate: 1.02%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-06-06 15:13:45

End at: 2018-06-06 15:14:15

Local clock offset: -0.018 ms

Remote clock offset: 0.203 ms

Below is generated by plot.py at 2018-06-06 16:10:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.09 Mbit/s

95th percentile per-packet one-way delay: 135.652 ms

Loss rate: 0.80%

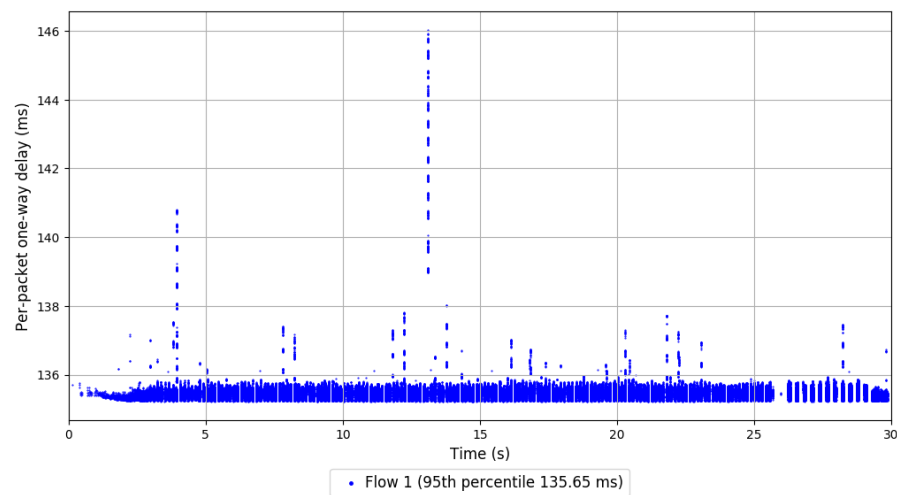
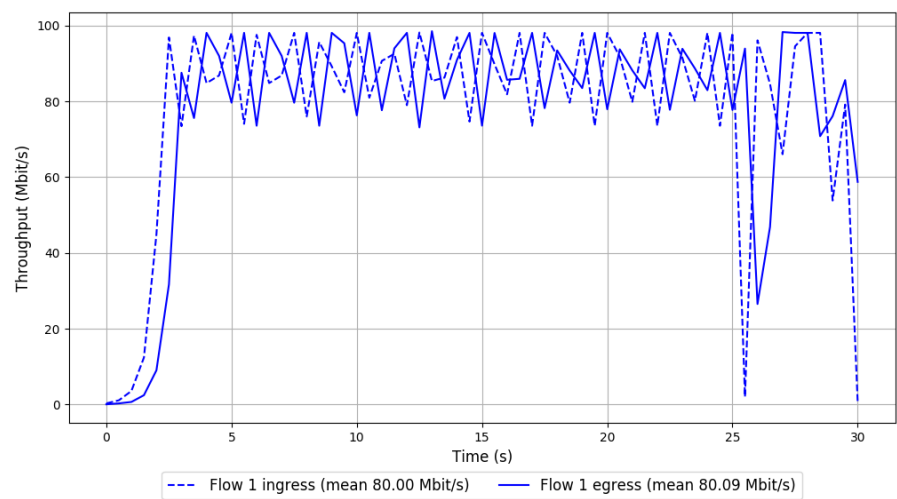
-- Flow 1:

Average throughput: 80.09 Mbit/s

95th percentile per-packet one-way delay: 135.652 ms

Loss rate: 0.80%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-06-06 15:35:29

End at: 2018-06-06 15:35:59

Local clock offset: 0.011 ms

Remote clock offset: 0.085 ms

Below is generated by plot.py at 2018-06-06 16:11:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.01 Mbit/s

95th percentile per-packet one-way delay: 135.930 ms

Loss rate: 1.03%

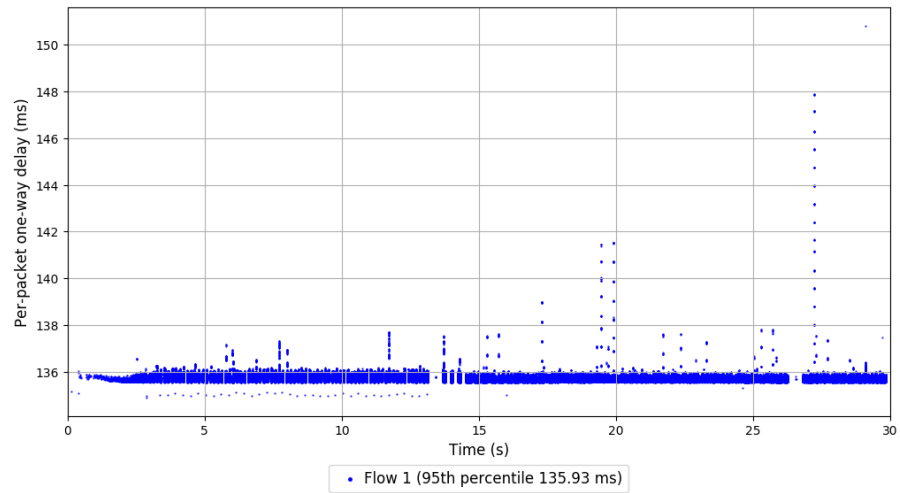
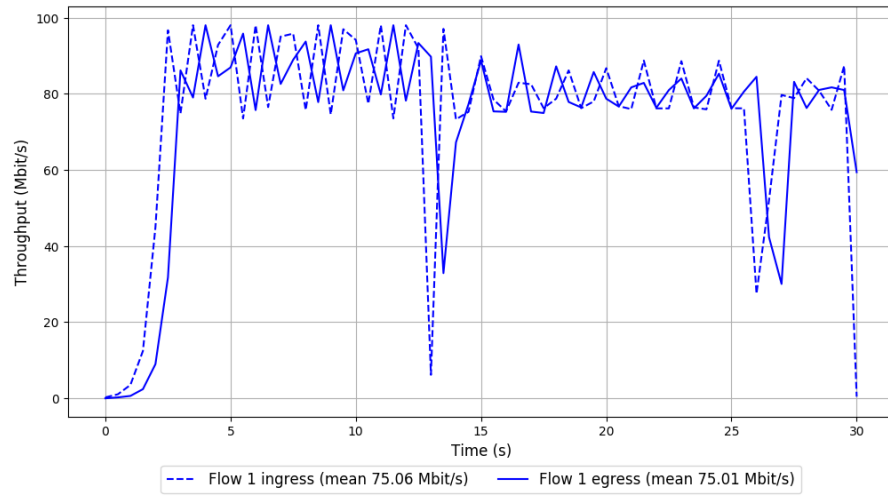
-- Flow 1:

Average throughput: 75.01 Mbit/s

95th percentile per-packet one-way delay: 135.930 ms

Loss rate: 1.03%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-06-06 15:56:44

End at: 2018-06-06 15:57:14

Local clock offset: -0.101 ms

Remote clock offset: 0.223 ms

Below is generated by plot.py at 2018-06-06 16:11:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.66 Mbit/s

95th percentile per-packet one-way delay: 135.750 ms

Loss rate: 0.98%

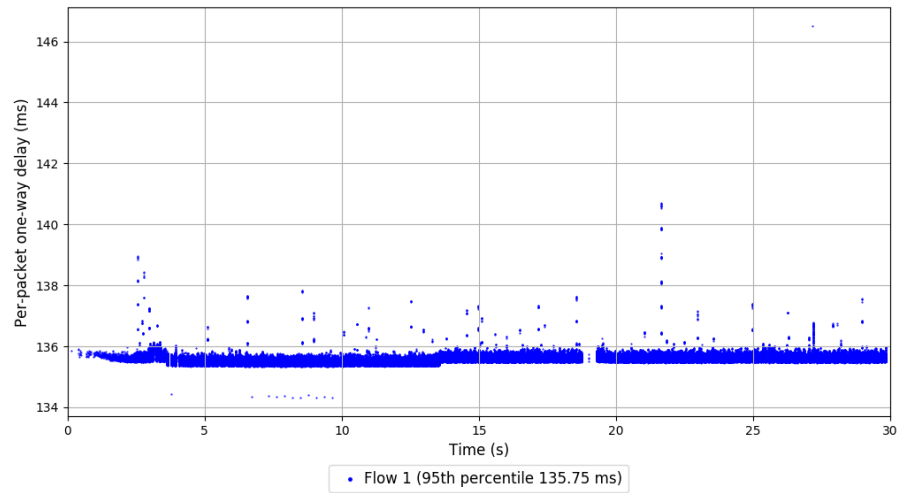
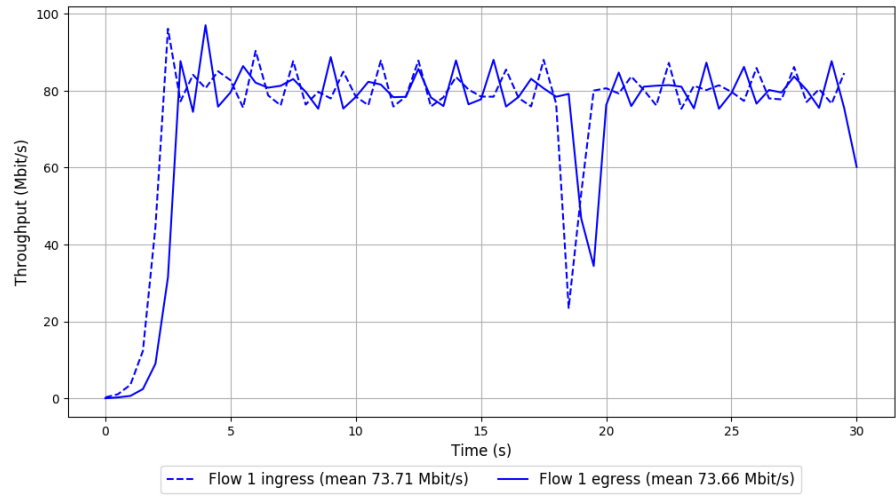
-- Flow 1:

Average throughput: 73.66 Mbit/s

95th percentile per-packet one-way delay: 135.750 ms

Loss rate: 0.98%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-06-06 12:29:03

End at: 2018-06-06 12:29:33

Local clock offset: 0.075 ms

Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-06-06 16:16:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.71 Mbit/s

95th percentile per-packet one-way delay: 142.004 ms

Loss rate: 0.22%

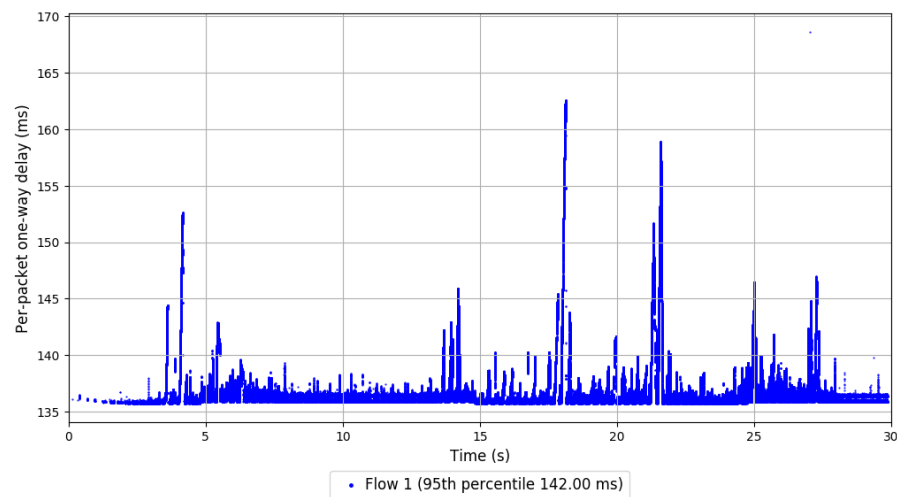
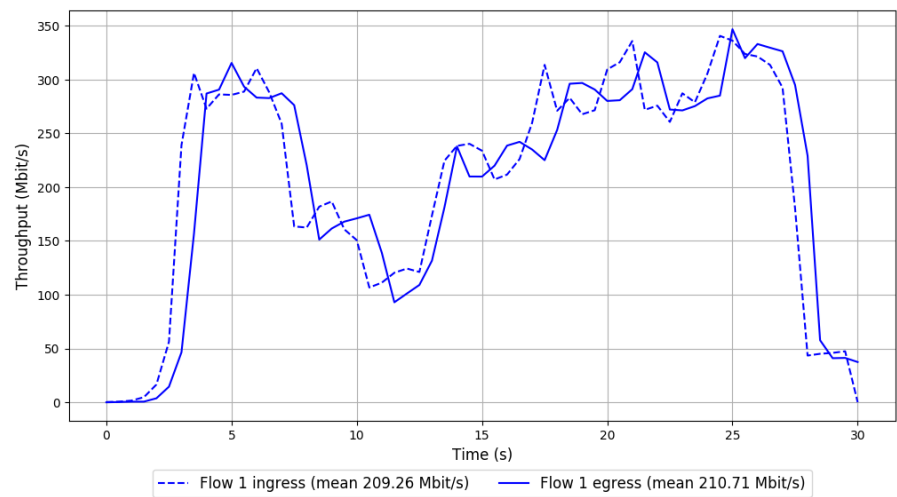
-- Flow 1:

Average throughput: 210.71 Mbit/s

95th percentile per-packet one-way delay: 142.004 ms

Loss rate: 0.22%

Run 1: Report of Copa — Data Link

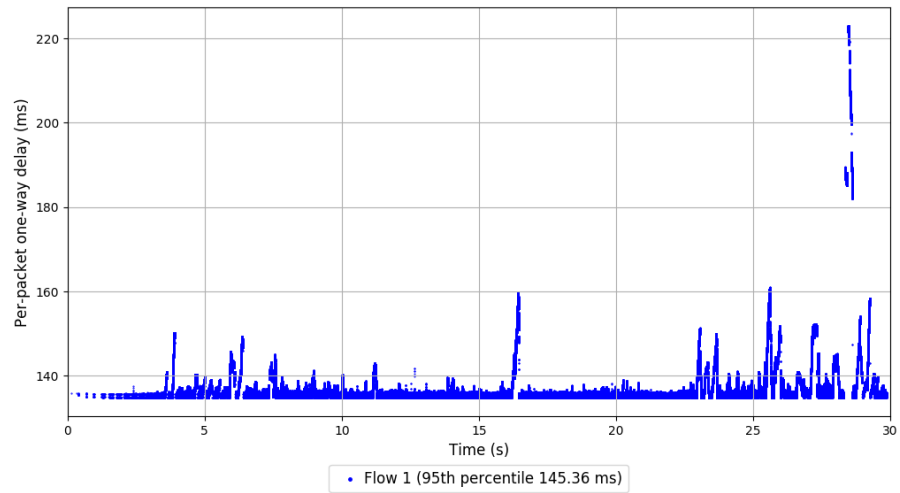
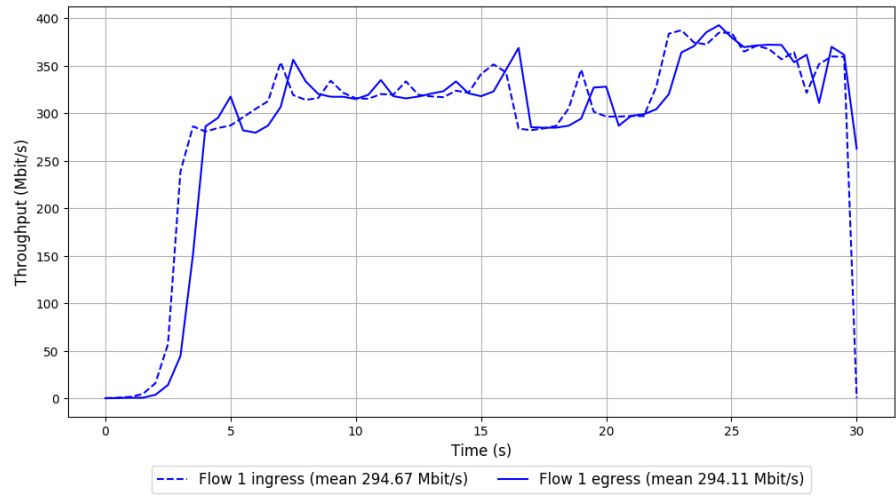


Run 2: Statistics of Copa

Start at: 2018-06-06 12:50:26
End at: 2018-06-06 12:50:56
Local clock offset: -0.111 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-06-06 16:19:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 294.11 Mbit/s
95th percentile per-packet one-way delay: 145.356 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 294.11 Mbit/s
95th percentile per-packet one-way delay: 145.356 ms
Loss rate: 1.09%

Run 2: Report of Copa — Data Link

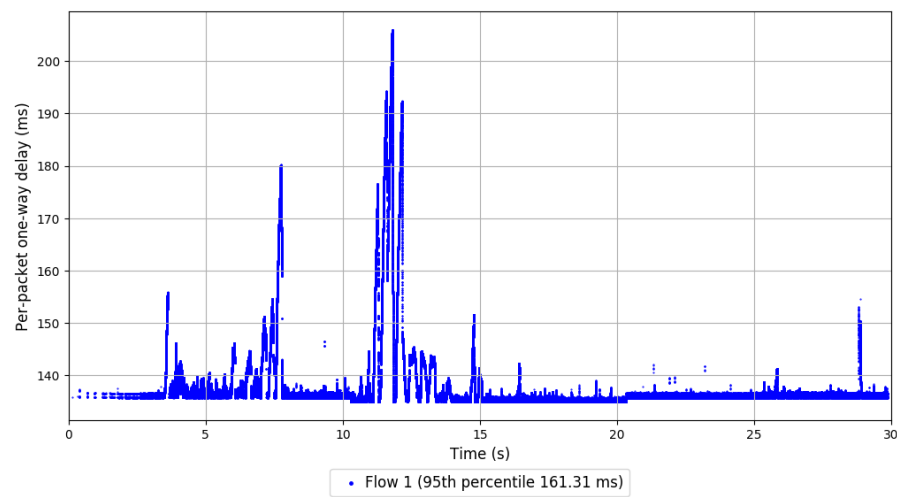
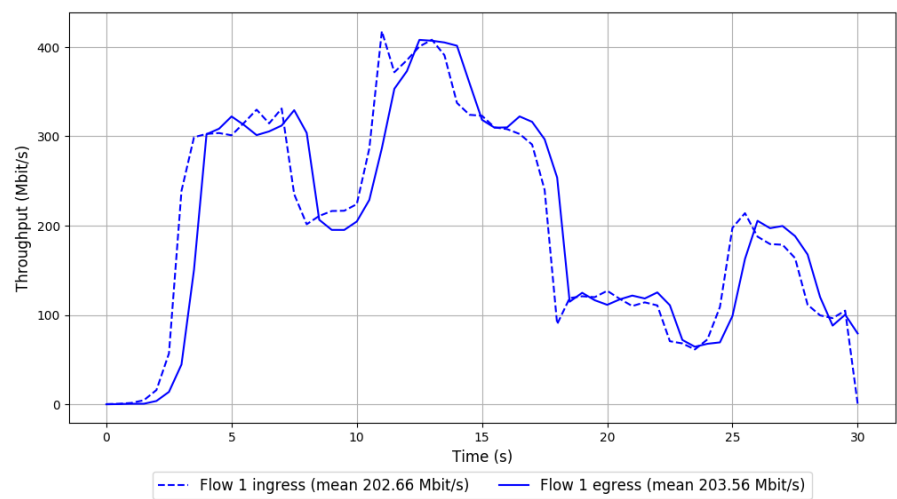


Run 3: Statistics of Copa

Start at: 2018-06-06 13:11:57
End at: 2018-06-06 13:12:27
Local clock offset: 0.132 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-06-06 16:19:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 203.56 Mbit/s
95th percentile per-packet one-way delay: 161.306 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 203.56 Mbit/s
95th percentile per-packet one-way delay: 161.306 ms
Loss rate: 0.46%

Run 3: Report of Copa — Data Link

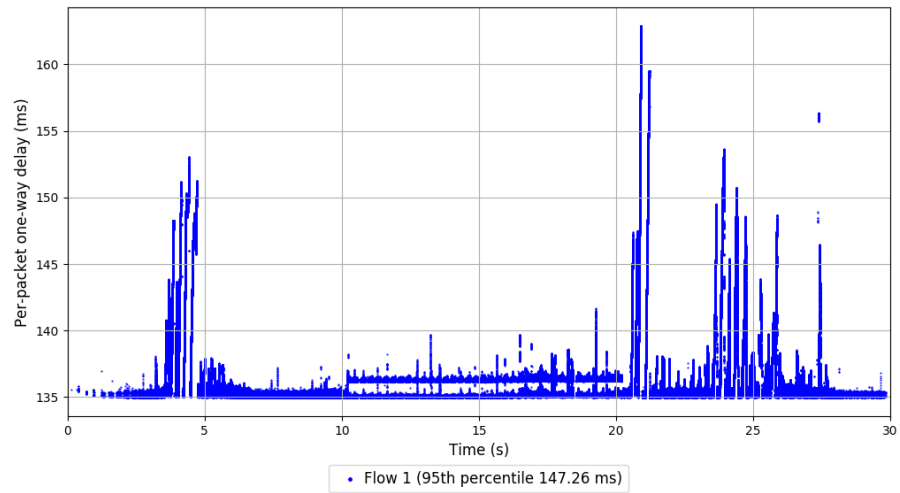
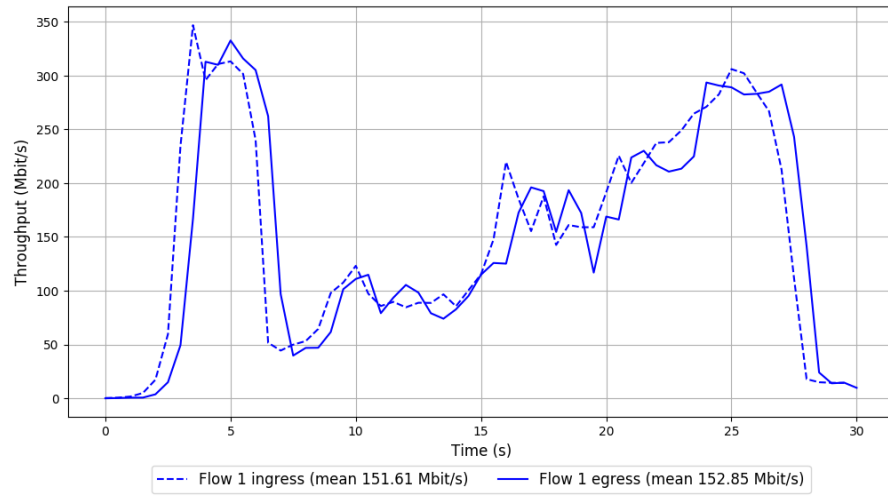


Run 4: Statistics of Copa

Start at: 2018-06-06 13:33:27
End at: 2018-06-06 13:33:57
Local clock offset: -0.014 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-06-06 16:19:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 152.85 Mbit/s
95th percentile per-packet one-way delay: 147.261 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 152.85 Mbit/s
95th percentile per-packet one-way delay: 147.261 ms
Loss rate: 0.11%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-06-06 13:54:33

End at: 2018-06-06 13:55:03

Local clock offset: -0.218 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-06-06 16:19:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.59 Mbit/s

95th percentile per-packet one-way delay: 147.923 ms

Loss rate: 2.40%

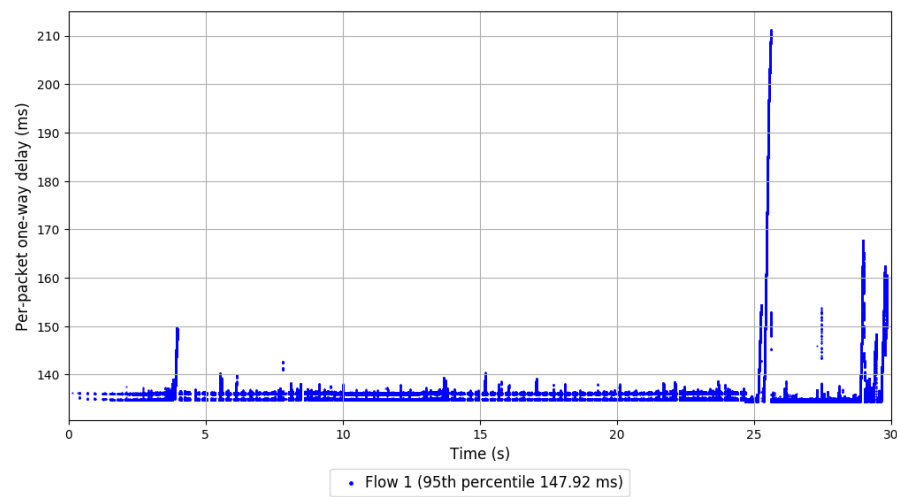
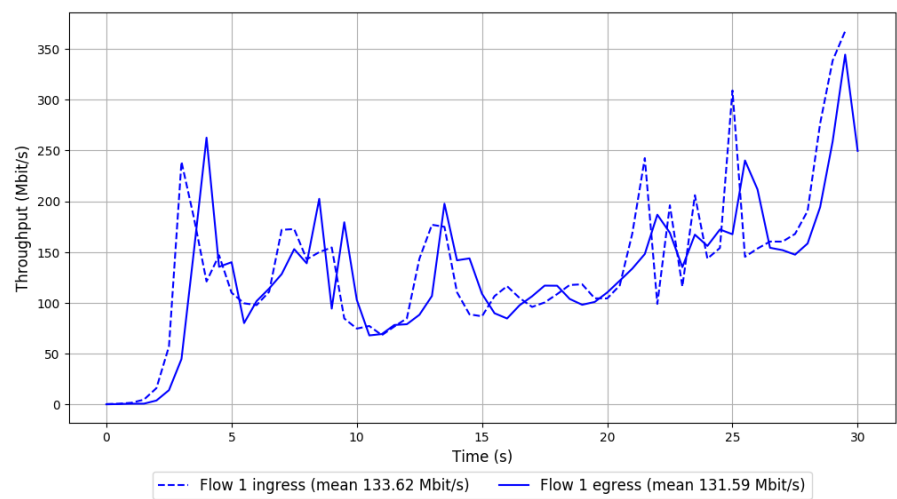
-- Flow 1:

Average throughput: 131.59 Mbit/s

95th percentile per-packet one-way delay: 147.923 ms

Loss rate: 2.40%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-06-06 14:15:38

End at: 2018-06-06 14:16:08

Local clock offset: -0.128 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-06-06 16:19:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.53 Mbit/s

95th percentile per-packet one-way delay: 136.592 ms

Loss rate: 0.85%

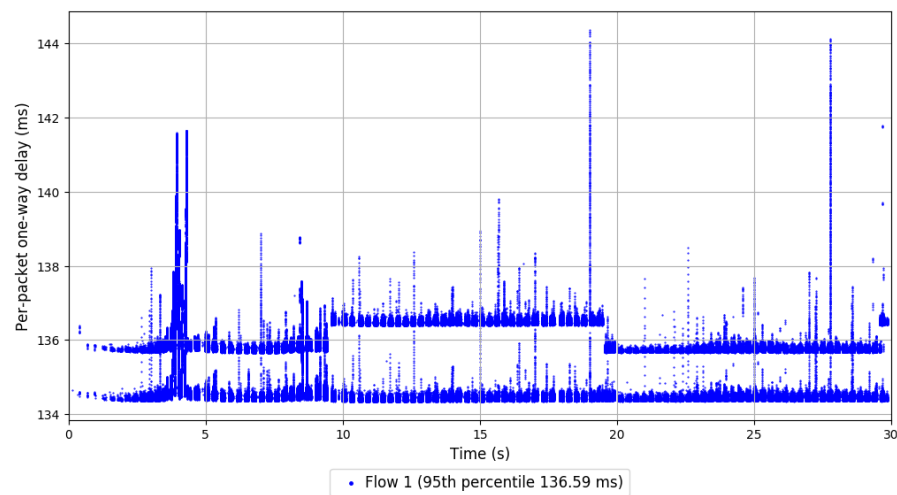
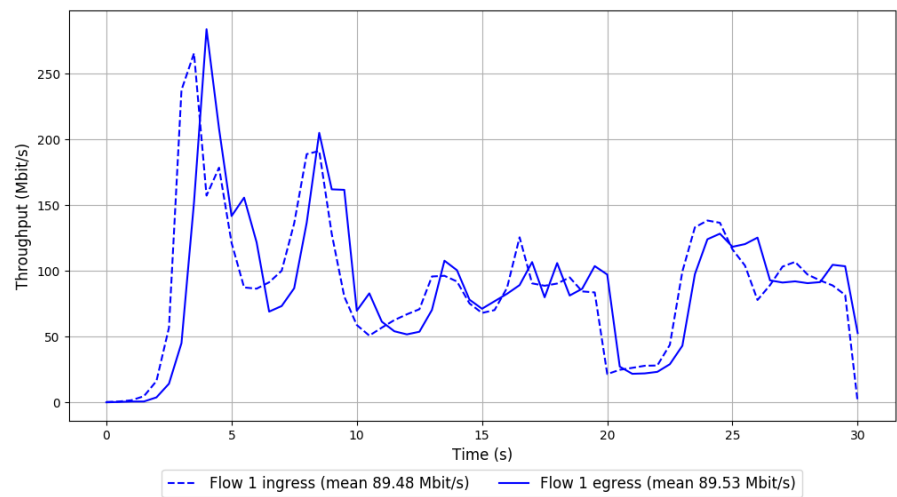
-- Flow 1:

Average throughput: 89.53 Mbit/s

95th percentile per-packet one-way delay: 136.592 ms

Loss rate: 0.85%

Run 6: Report of Copa — Data Link

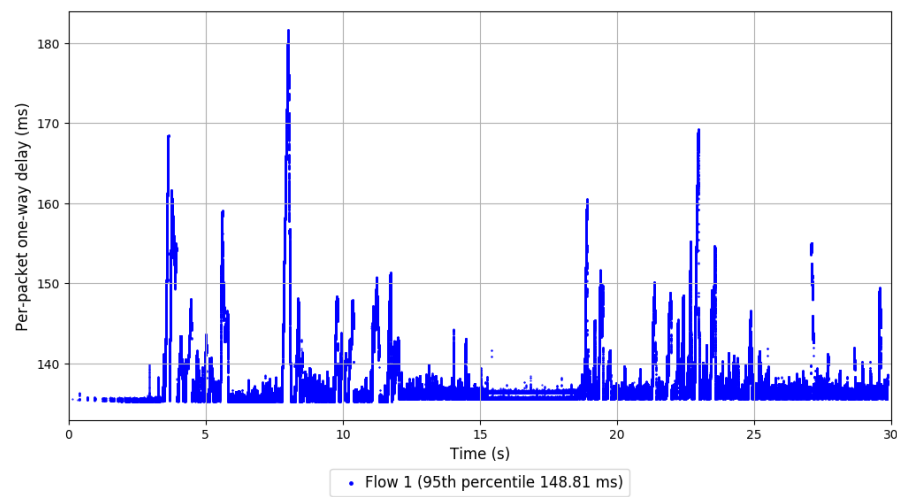
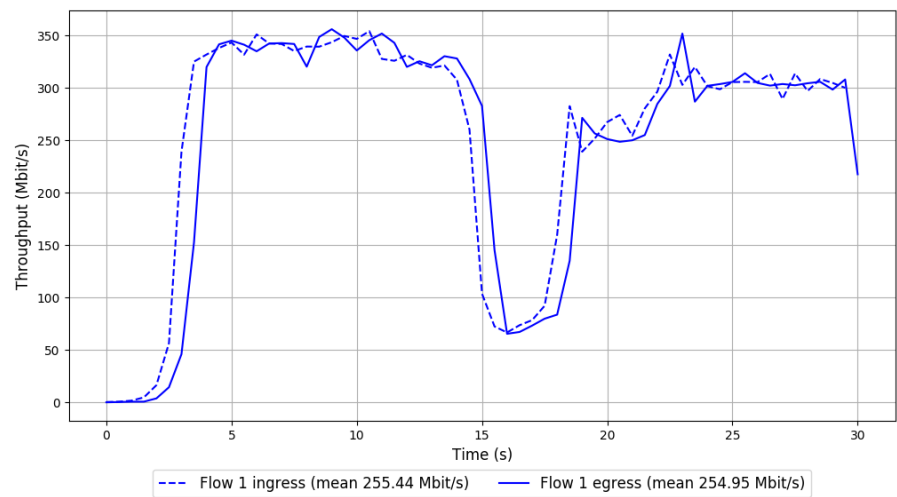


Run 7: Statistics of Copa

Start at: 2018-06-06 14:36:56
End at: 2018-06-06 14:37:26
Local clock offset: -0.211 ms
Remote clock offset: -0.125 ms

Below is generated by plot.py at 2018-06-06 16:19:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 254.95 Mbit/s
95th percentile per-packet one-way delay: 148.811 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 254.95 Mbit/s
95th percentile per-packet one-way delay: 148.811 ms
Loss rate: 1.09%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-06-06 14:58:36

End at: 2018-06-06 14:59:06

Local clock offset: -0.156 ms

Remote clock offset: 0.1 ms

Below is generated by plot.py at 2018-06-06 16:19:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.18 Mbit/s

95th percentile per-packet one-way delay: 140.945 ms

Loss rate: 0.46%

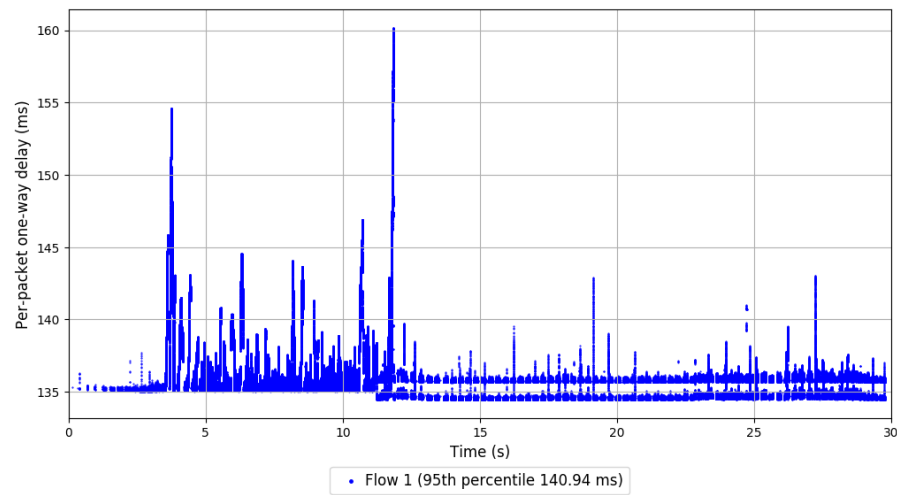
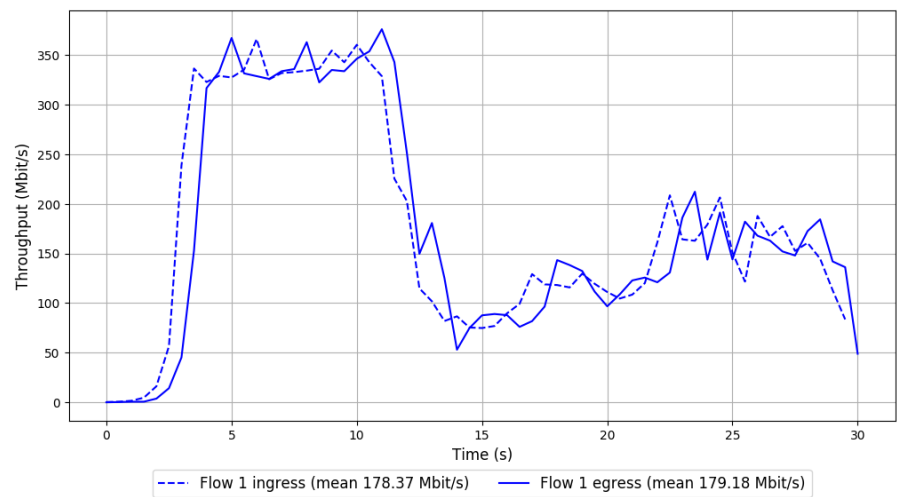
-- Flow 1:

Average throughput: 179.18 Mbit/s

95th percentile per-packet one-way delay: 140.945 ms

Loss rate: 0.46%

Run 8: Report of Copa — Data Link

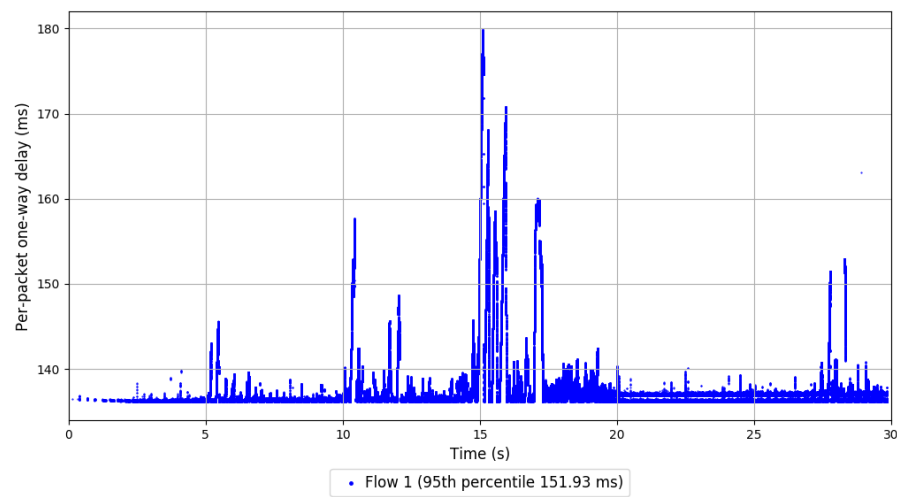
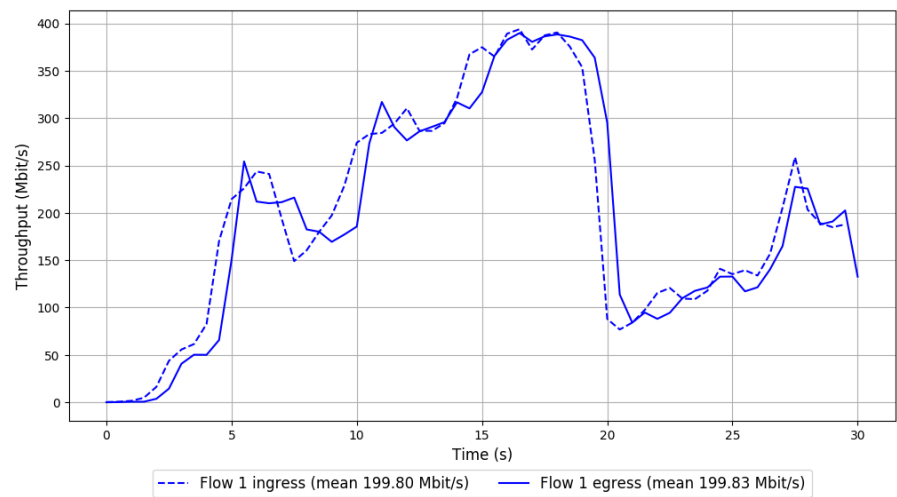


Run 9: Statistics of Copa

Start at: 2018-06-06 15:20:10
End at: 2018-06-06 15:20:40
Local clock offset: 0.193 ms
Remote clock offset: -0.404 ms

Below is generated by plot.py at 2018-06-06 16:19:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 199.83 Mbit/s
95th percentile per-packet one-way delay: 151.929 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 199.83 Mbit/s
95th percentile per-packet one-way delay: 151.929 ms
Loss rate: 0.89%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-06-06 15:41:26

End at: 2018-06-06 15:41:56

Local clock offset: 0.182 ms

Remote clock offset: 0.157 ms

Below is generated by plot.py at 2018-06-06 16:22:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 265.92 Mbit/s

95th percentile per-packet one-way delay: 169.207 ms

Loss rate: 0.13%

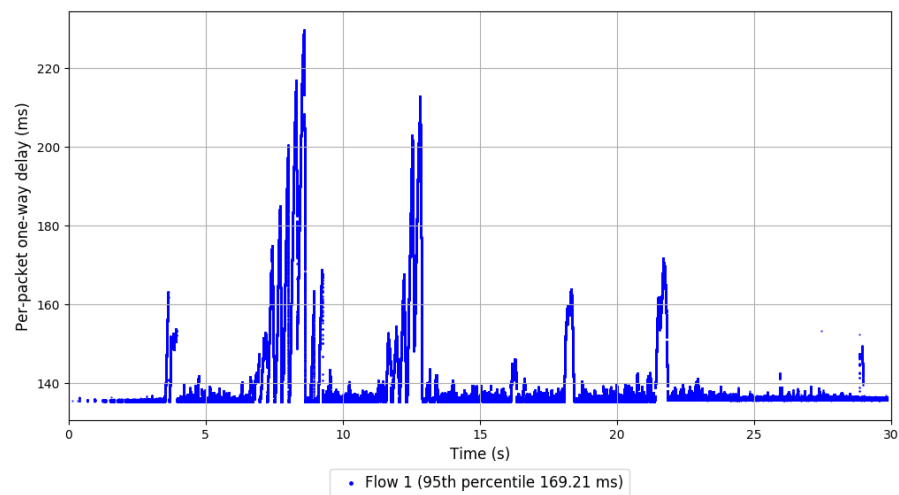
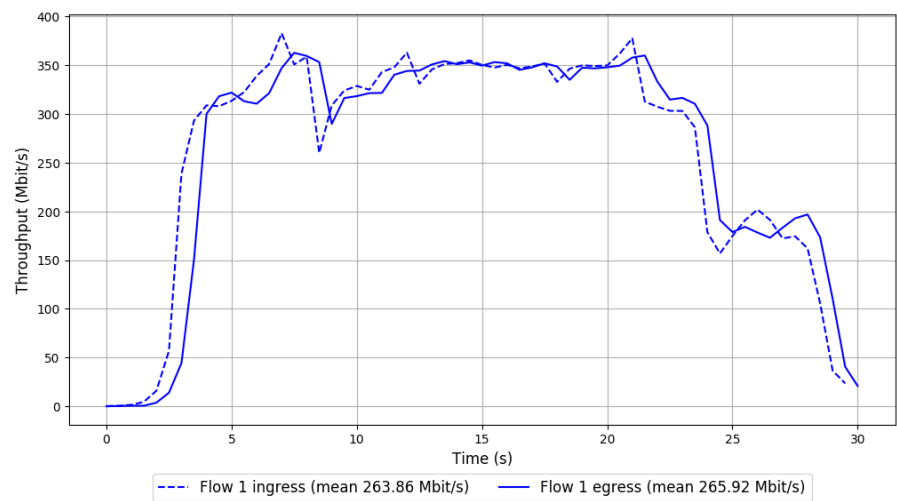
-- Flow 1:

Average throughput: 265.92 Mbit/s

95th percentile per-packet one-way delay: 169.207 ms

Loss rate: 0.13%

Run 10: Report of Copa — Data Link

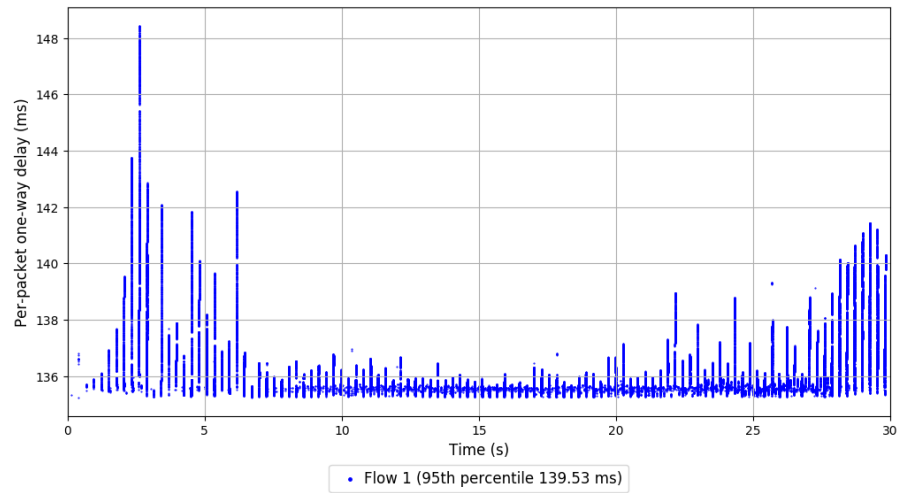
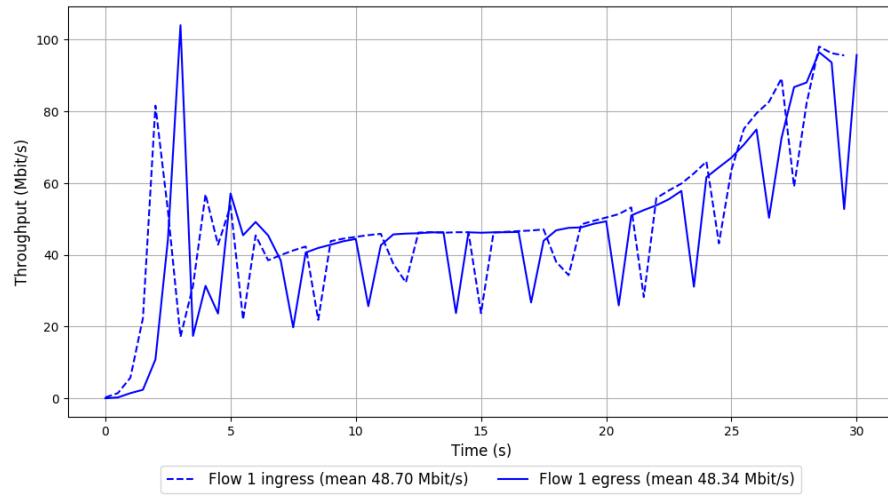


Run 1: Statistics of TCP Cubic

Start at: 2018-06-06 12:41:57
End at: 2018-06-06 12:42:27
Local clock offset: -0.392 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-06-06 16:22:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 48.34 Mbit/s
95th percentile per-packet one-way delay: 139.534 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 48.34 Mbit/s
95th percentile per-packet one-way delay: 139.534 ms
Loss rate: 1.64%

Run 1: Report of TCP Cubic — Data Link

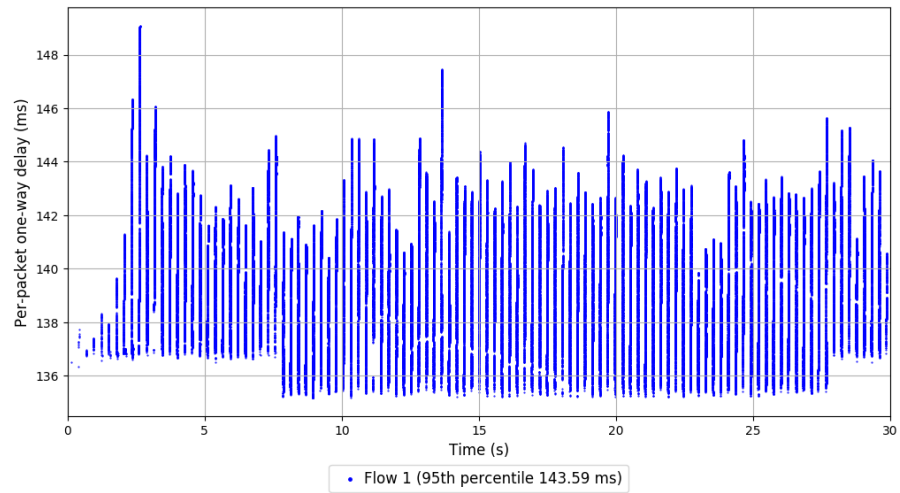
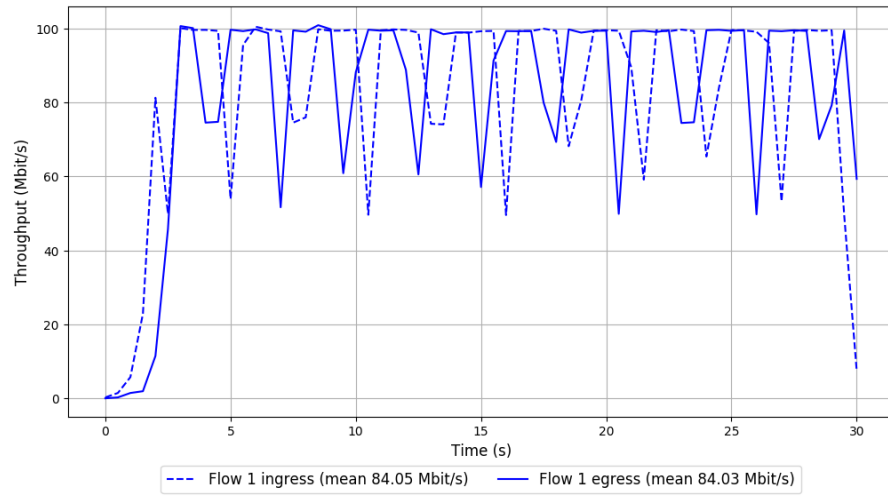


Run 2: Statistics of TCP Cubic

Start at: 2018-06-06 13:03:20
End at: 2018-06-06 13:03:50
Local clock offset: -0.022 ms
Remote clock offset: -0.477 ms

Below is generated by plot.py at 2018-06-06 16:22:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.03 Mbit/s
95th percentile per-packet one-way delay: 143.593 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 84.03 Mbit/s
95th percentile per-packet one-way delay: 143.593 ms
Loss rate: 0.94%

Run 2: Report of TCP Cubic — Data Link

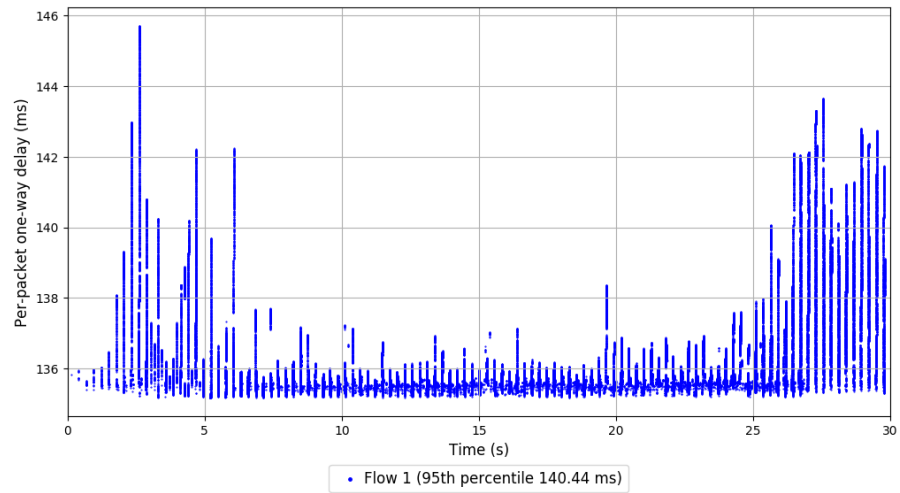
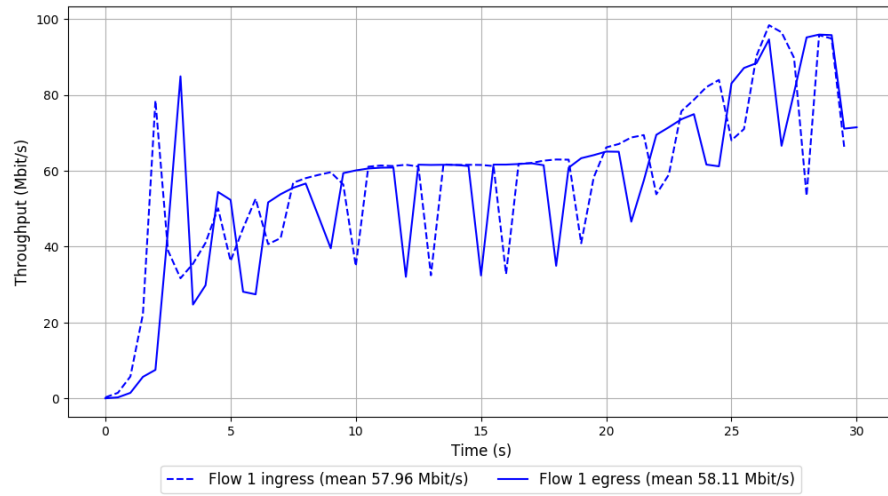


Run 3: Statistics of TCP Cubic

Start at: 2018-06-06 13:24:45
End at: 2018-06-06 13:25:15
Local clock offset: -0.091 ms
Remote clock offset: -0.475 ms

Below is generated by plot.py at 2018-06-06 16:22:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.11 Mbit/s
95th percentile per-packet one-way delay: 140.440 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 58.11 Mbit/s
95th percentile per-packet one-way delay: 140.440 ms
Loss rate: 0.54%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-06-06 13:46:11

End at: 2018-06-06 13:46:41

Local clock offset: -0.096 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-06-06 16:22:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.72 Mbit/s

95th percentile per-packet one-way delay: 141.179 ms

Loss rate: 1.50%

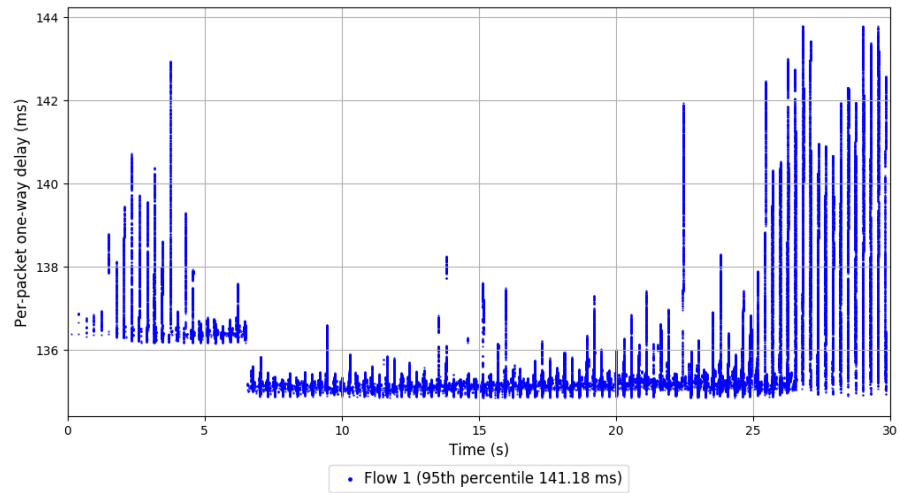
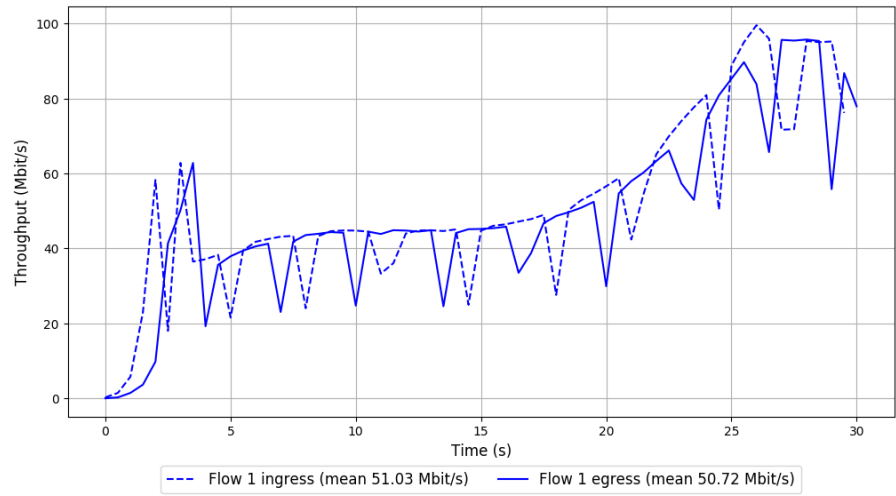
-- Flow 1:

Average throughput: 50.72 Mbit/s

95th percentile per-packet one-way delay: 141.179 ms

Loss rate: 1.50%

Run 4: Report of TCP Cubic — Data Link

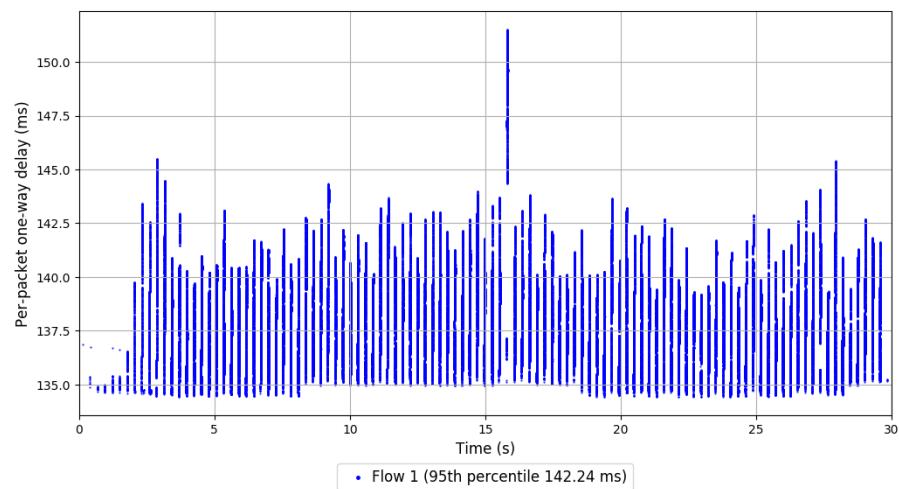
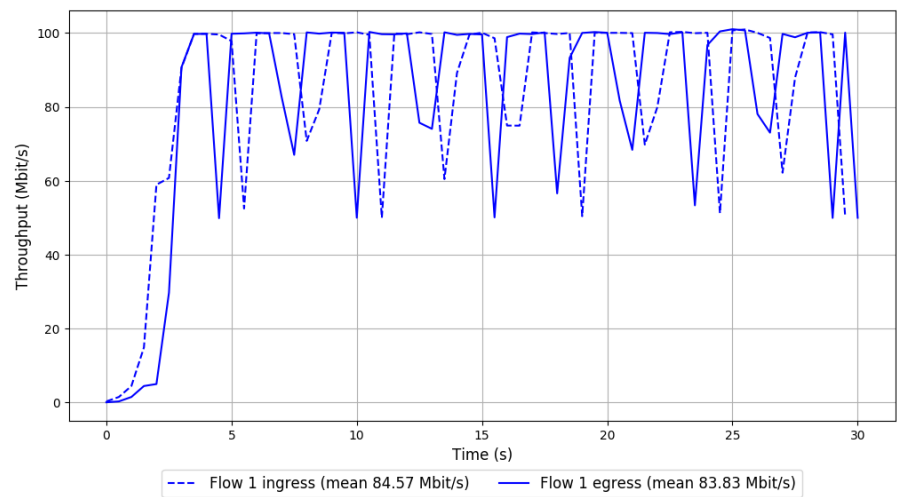


Run 5: Statistics of TCP Cubic

Start at: 2018-06-06 14:07:09
End at: 2018-06-06 14:07:39
Local clock offset: -0.085 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-06-06 16:22:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.83 Mbit/s
95th percentile per-packet one-way delay: 142.240 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 83.83 Mbit/s
95th percentile per-packet one-way delay: 142.240 ms
Loss rate: 1.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-06-06 14:28:11

End at: 2018-06-06 14:28:41

Local clock offset: -0.347 ms

Remote clock offset: 0.337 ms

Below is generated by plot.py at 2018-06-06 16:22:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.69 Mbit/s

95th percentile per-packet one-way delay: 137.895 ms

Loss rate: 0.78%

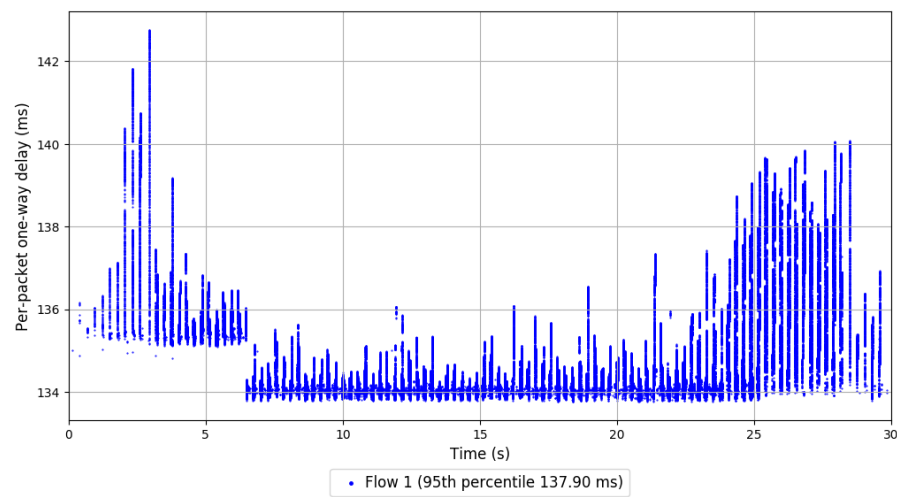
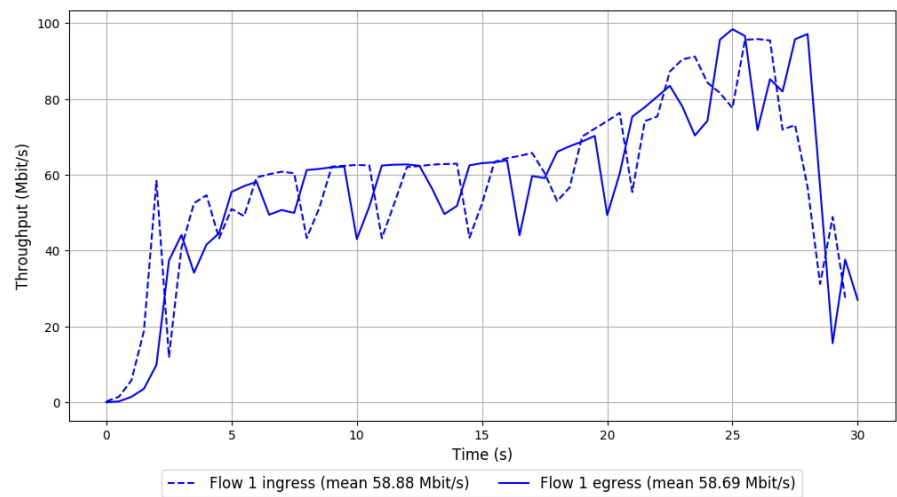
-- Flow 1:

Average throughput: 58.69 Mbit/s

95th percentile per-packet one-way delay: 137.895 ms

Loss rate: 0.78%

Run 6: Report of TCP Cubic — Data Link

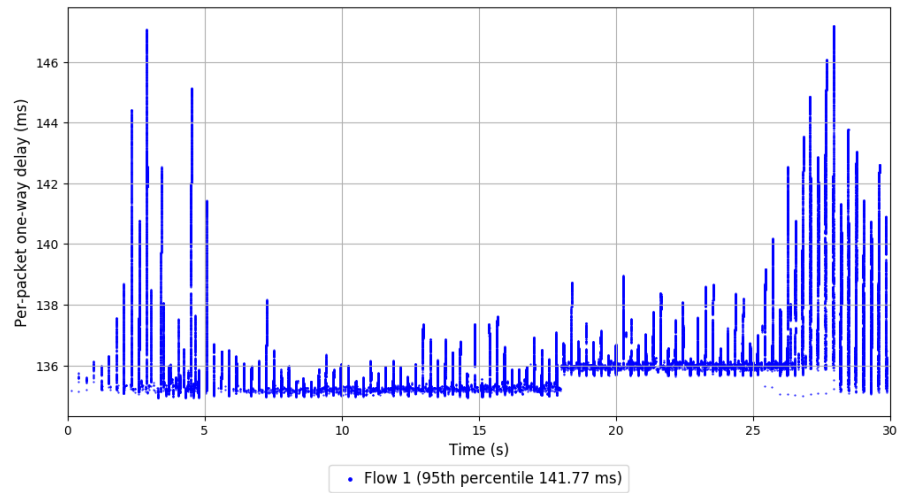
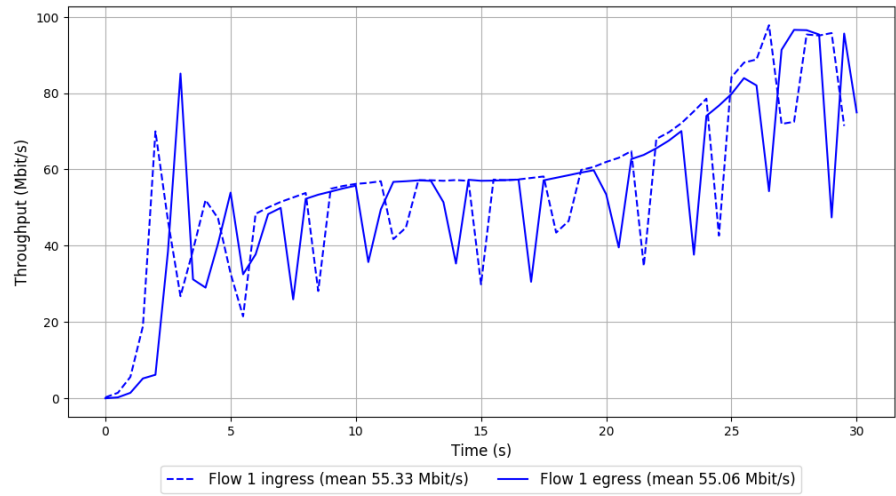


Run 7: Statistics of TCP Cubic

Start at: 2018-06-06 14:49:59
End at: 2018-06-06 14:50:29
Local clock offset: -0.051 ms
Remote clock offset: -0.244 ms

Below is generated by plot.py at 2018-06-06 16:22:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.06 Mbit/s
95th percentile per-packet one-way delay: 141.774 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 55.06 Mbit/s
95th percentile per-packet one-way delay: 141.774 ms
Loss rate: 1.34%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-06-06 15:11:23

End at: 2018-06-06 15:11:53

Local clock offset: -0.228 ms

Remote clock offset: -0.27 ms

Below is generated by plot.py at 2018-06-06 16:22:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.20 Mbit/s

95th percentile per-packet one-way delay: 140.268 ms

Loss rate: 1.34%

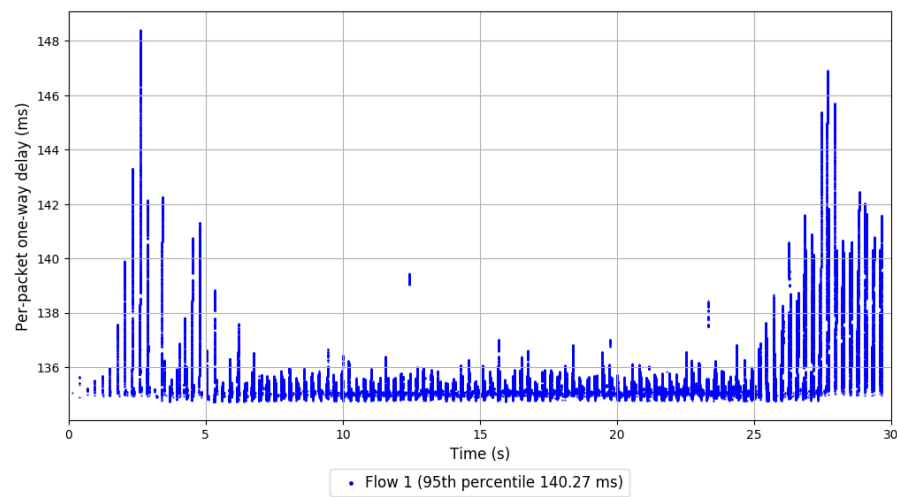
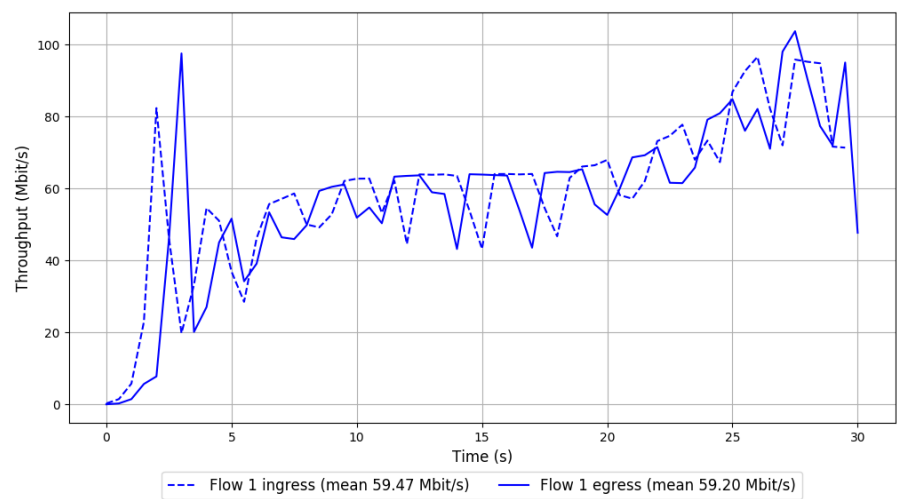
-- Flow 1:

Average throughput: 59.20 Mbit/s

95th percentile per-packet one-way delay: 140.268 ms

Loss rate: 1.34%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-06-06 15:33:08

End at: 2018-06-06 15:33:38

Local clock offset: 0.053 ms

Remote clock offset: 0.124 ms

Below is generated by plot.py at 2018-06-06 16:22:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.45 Mbit/s

95th percentile per-packet one-way delay: 140.874 ms

Loss rate: 1.38%

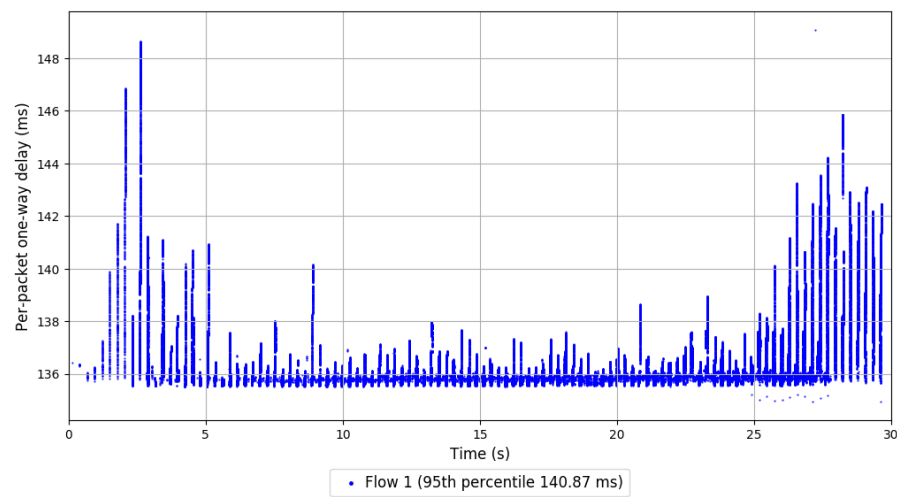
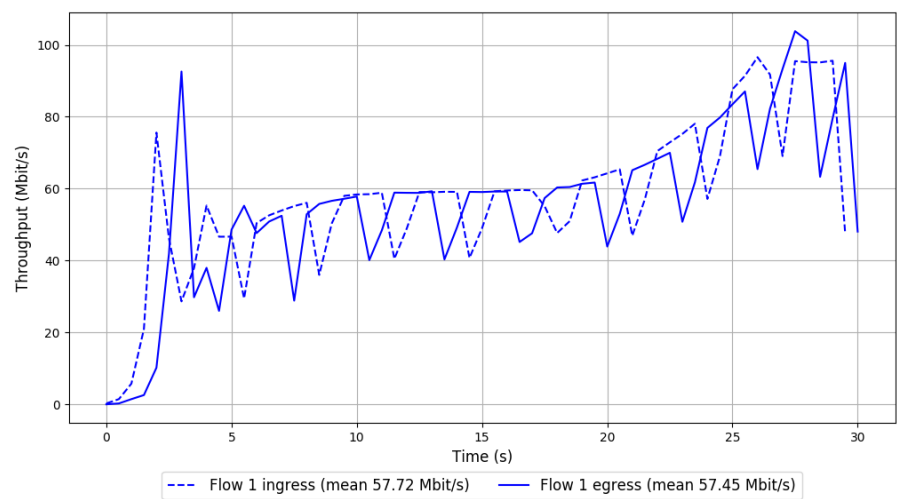
-- Flow 1:

Average throughput: 57.45 Mbit/s

95th percentile per-packet one-way delay: 140.874 ms

Loss rate: 1.38%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-06-06 15:54:23

End at: 2018-06-06 15:54:53

Local clock offset: 0.157 ms

Remote clock offset: 0.609 ms

Below is generated by plot.py at 2018-06-06 16:22:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.84 Mbit/s

95th percentile per-packet one-way delay: 140.757 ms

Loss rate: 0.80%

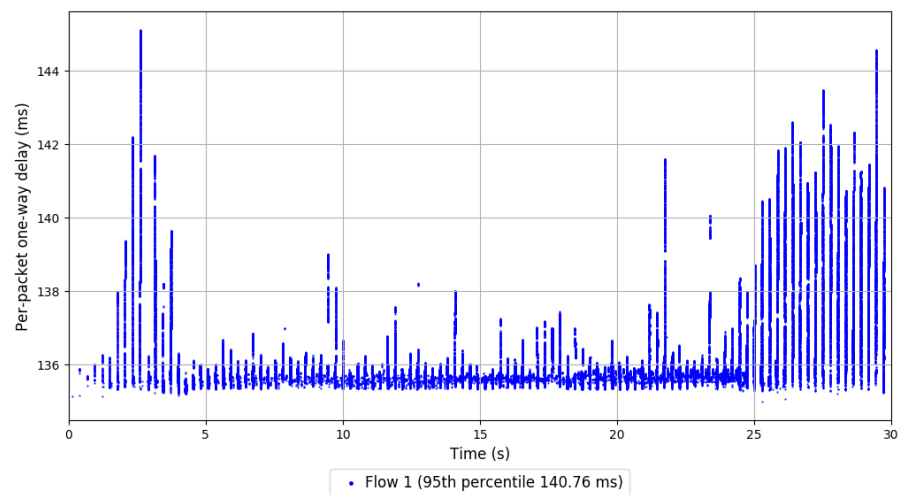
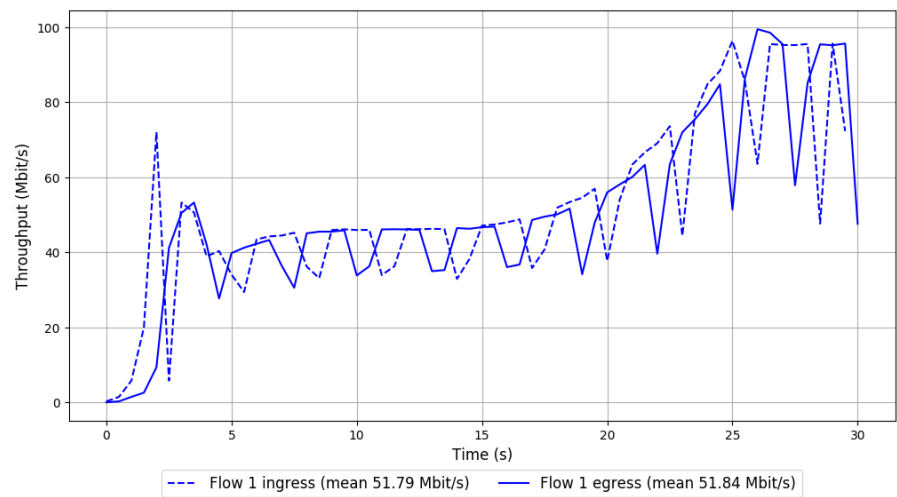
-- Flow 1:

Average throughput: 51.84 Mbit/s

95th percentile per-packet one-way delay: 140.757 ms

Loss rate: 0.80%

Run 10: Report of TCP Cubic — Data Link

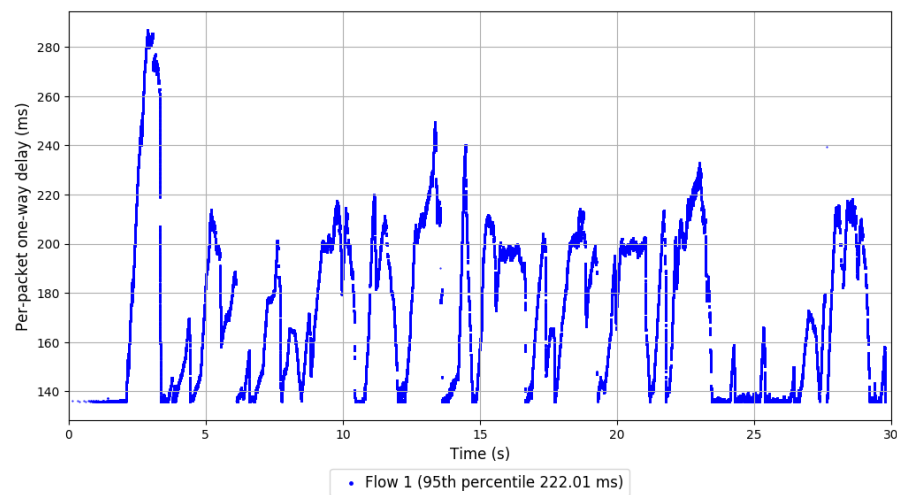
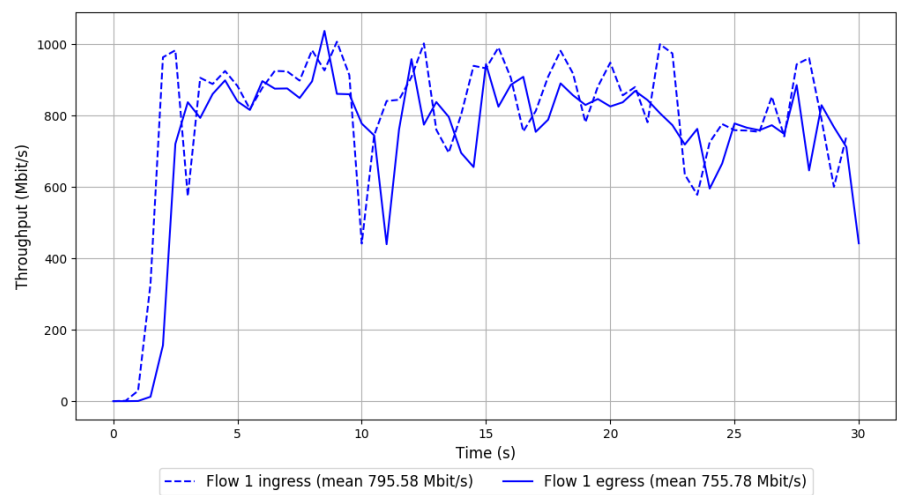


Run 1: Statistics of FillP

Start at: 2018-06-06 12:37:25
End at: 2018-06-06 12:37:55
Local clock offset: -0.108 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-06-06 16:33:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 755.78 Mbit/s
95th percentile per-packet one-way delay: 222.007 ms
Loss rate: 5.87%
-- Flow 1:
Average throughput: 755.78 Mbit/s
95th percentile per-packet one-way delay: 222.007 ms
Loss rate: 5.87%

Run 1: Report of FillP — Data Link

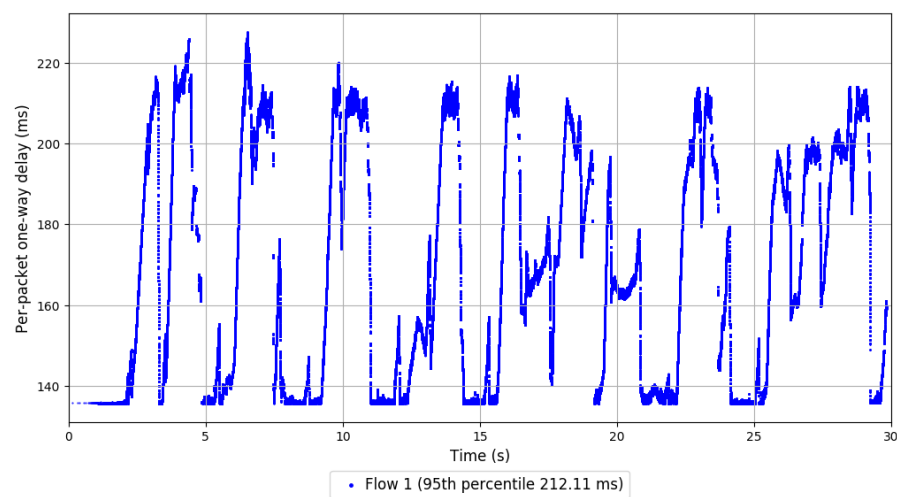
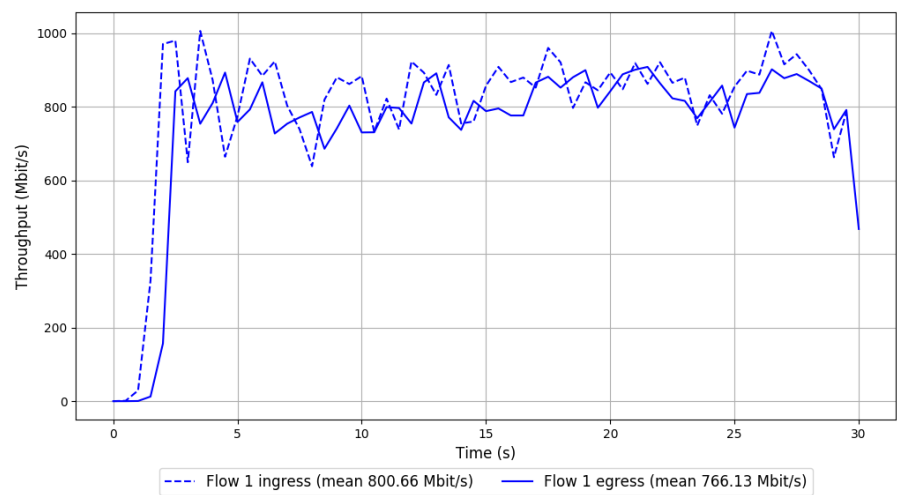


Run 2: Statistics of FillP

Start at: 2018-06-06 12:58:50
End at: 2018-06-06 12:59:20
Local clock offset: -0.014 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-06-06 16:33:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 766.13 Mbit/s
95th percentile per-packet one-way delay: 212.108 ms
Loss rate: 5.18%
-- Flow 1:
Average throughput: 766.13 Mbit/s
95th percentile per-packet one-way delay: 212.108 ms
Loss rate: 5.18%

Run 2: Report of FillP — Data Link

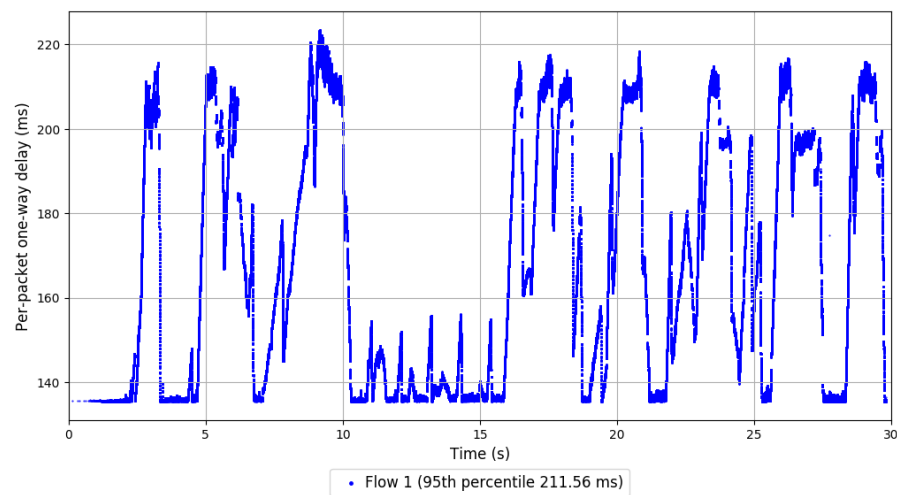
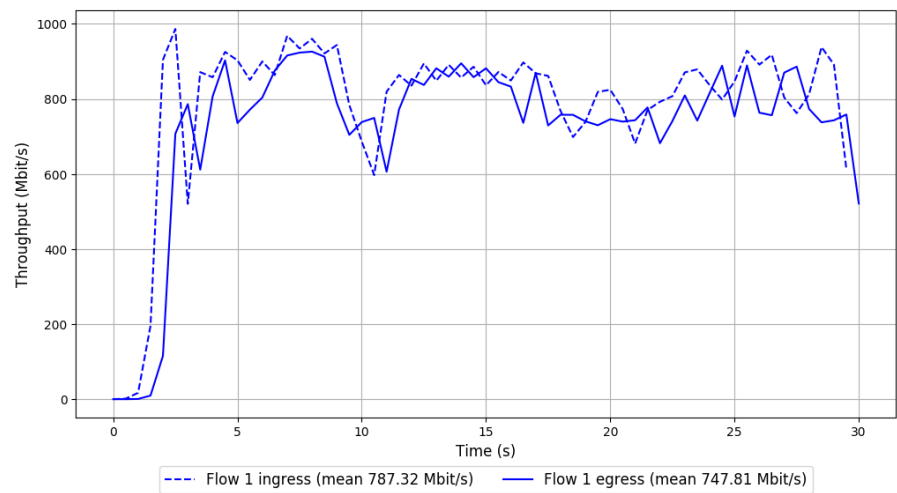


Run 3: Statistics of FillP

Start at: 2018-06-06 13:20:14
End at: 2018-06-06 13:20:44
Local clock offset: 0.167 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-06-06 16:34:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 747.81 Mbit/s
95th percentile per-packet one-way delay: 211.565 ms
Loss rate: 5.87%
-- Flow 1:
Average throughput: 747.81 Mbit/s
95th percentile per-packet one-way delay: 211.565 ms
Loss rate: 5.87%

Run 3: Report of FillP — Data Link

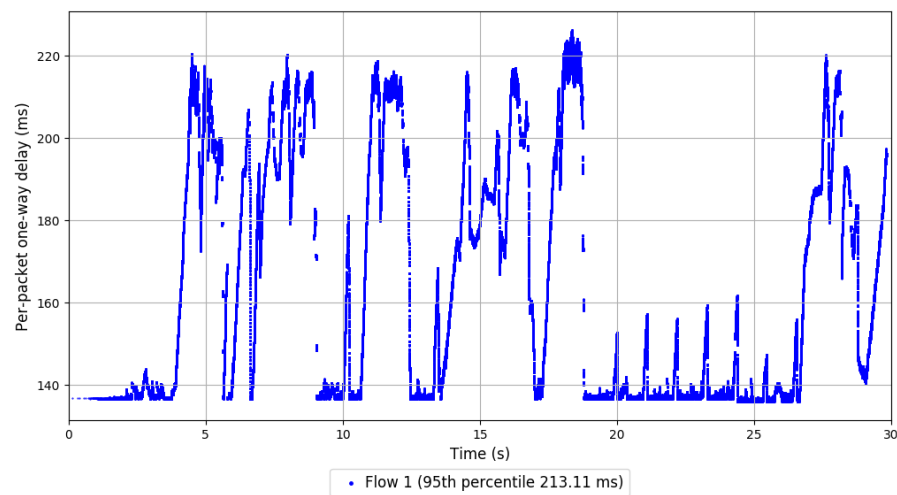
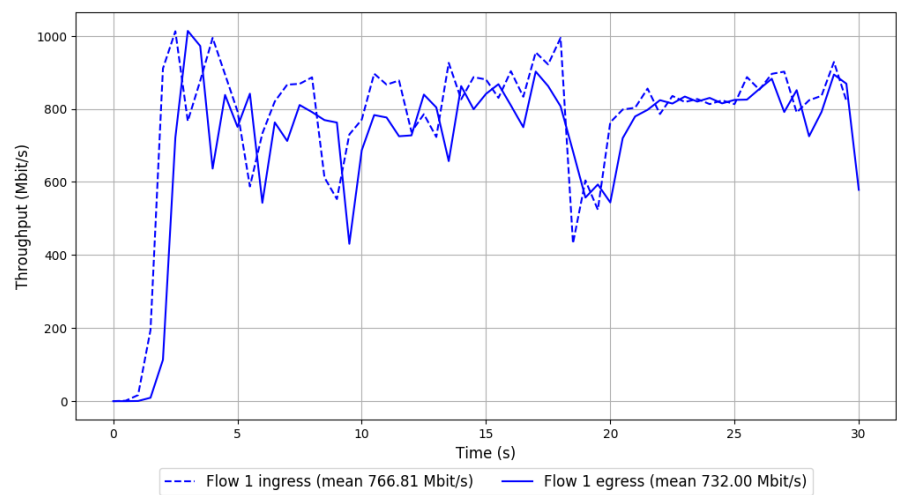


Run 4: Statistics of FillP

Start at: 2018-06-06 13:41:43
End at: 2018-06-06 13:42:13
Local clock offset: -0.18 ms
Remote clock offset: -0.371 ms

Below is generated by plot.py at 2018-06-06 16:34:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 732.00 Mbit/s
95th percentile per-packet one-way delay: 213.112 ms
Loss rate: 5.41%
-- Flow 1:
Average throughput: 732.00 Mbit/s
95th percentile per-packet one-way delay: 213.112 ms
Loss rate: 5.41%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-06-06 14:02:35

End at: 2018-06-06 14:03:05

Local clock offset: -0.048 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-06-06 16:34:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 768.63 Mbit/s

95th percentile per-packet one-way delay: 208.929 ms

Loss rate: 5.18%

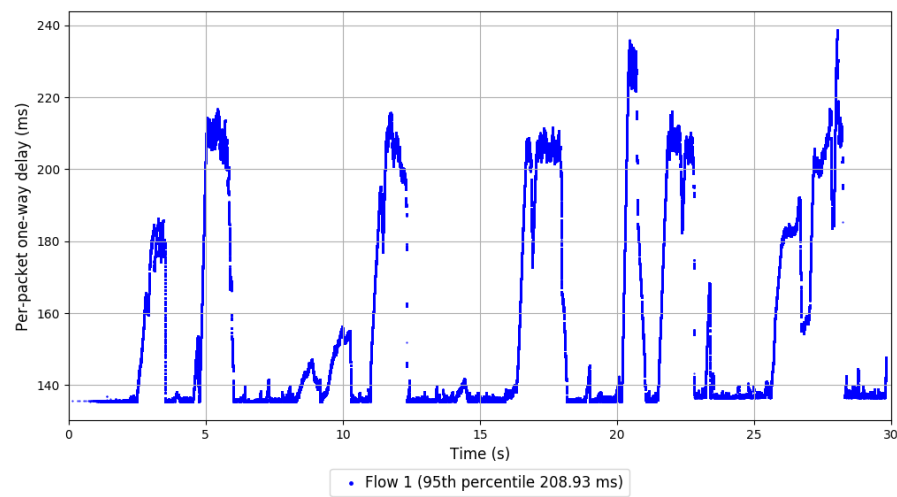
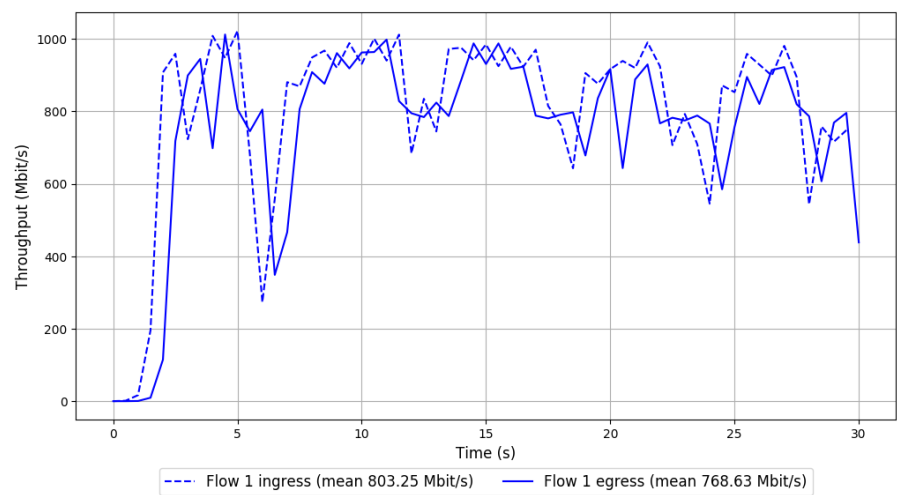
-- Flow 1:

Average throughput: 768.63 Mbit/s

95th percentile per-packet one-way delay: 208.929 ms

Loss rate: 5.18%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-06-06 14:23:38

End at: 2018-06-06 14:24:08

Local clock offset: -0.333 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-06-06 16:34:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 769.45 Mbit/s

95th percentile per-packet one-way delay: 209.707 ms

Loss rate: 4.91%

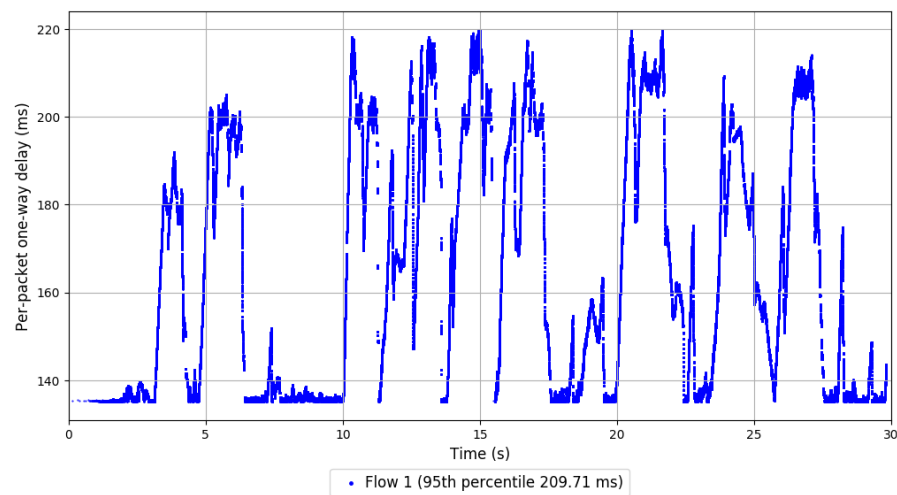
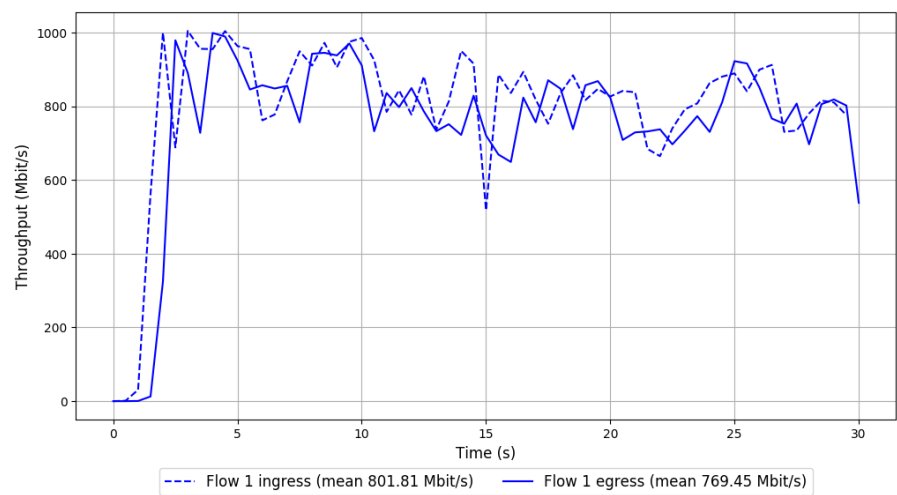
-- Flow 1:

Average throughput: 769.45 Mbit/s

95th percentile per-packet one-way delay: 209.707 ms

Loss rate: 4.91%

Run 6: Report of FillP — Data Link

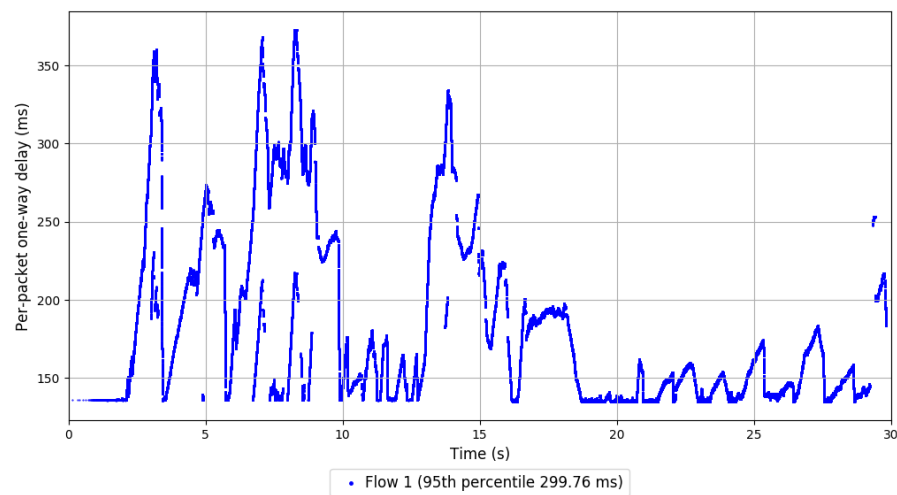
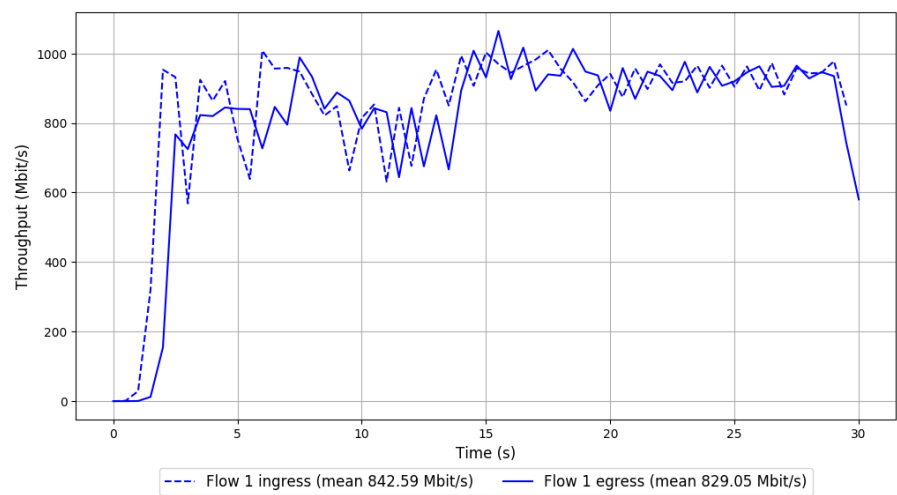


Run 7: Statistics of FillP

Start at: 2018-06-06 14:45:24
End at: 2018-06-06 14:45:54
Local clock offset: -0.137 ms
Remote clock offset: -0.254 ms

Below is generated by plot.py at 2018-06-06 16:36:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 829.05 Mbit/s
95th percentile per-packet one-way delay: 299.763 ms
Loss rate: 2.50%
-- Flow 1:
Average throughput: 829.05 Mbit/s
95th percentile per-packet one-way delay: 299.763 ms
Loss rate: 2.50%

Run 7: Report of FillP — Data Link

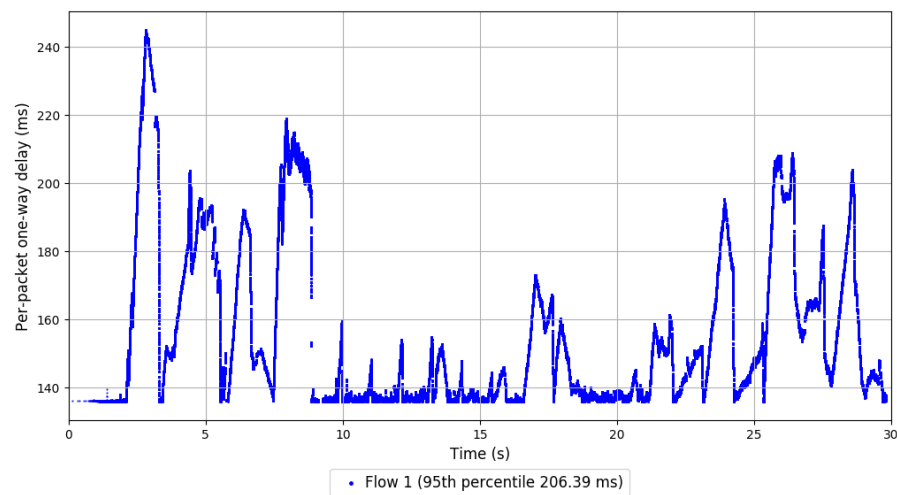
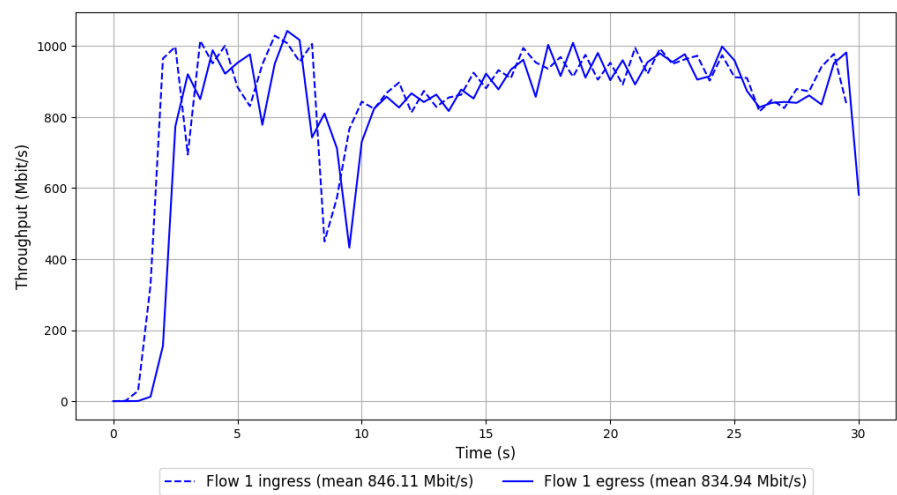


Run 8: Statistics of FillP

Start at: 2018-06-06 15:06:52
End at: 2018-06-06 15:07:22
Local clock offset: 0.034 ms
Remote clock offset: -0.328 ms

Below is generated by plot.py at 2018-06-06 16:40:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 834.94 Mbit/s
95th percentile per-packet one-way delay: 206.388 ms
Loss rate: 2.22%
-- Flow 1:
Average throughput: 834.94 Mbit/s
95th percentile per-packet one-way delay: 206.388 ms
Loss rate: 2.22%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-06-06 15:28:35

End at: 2018-06-06 15:29:05

Local clock offset: -0.108 ms

Remote clock offset: 0.071 ms

Below is generated by plot.py at 2018-06-06 16:50:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 817.75 Mbit/s

95th percentile per-packet one-way delay: 211.072 ms

Loss rate: 3.75%

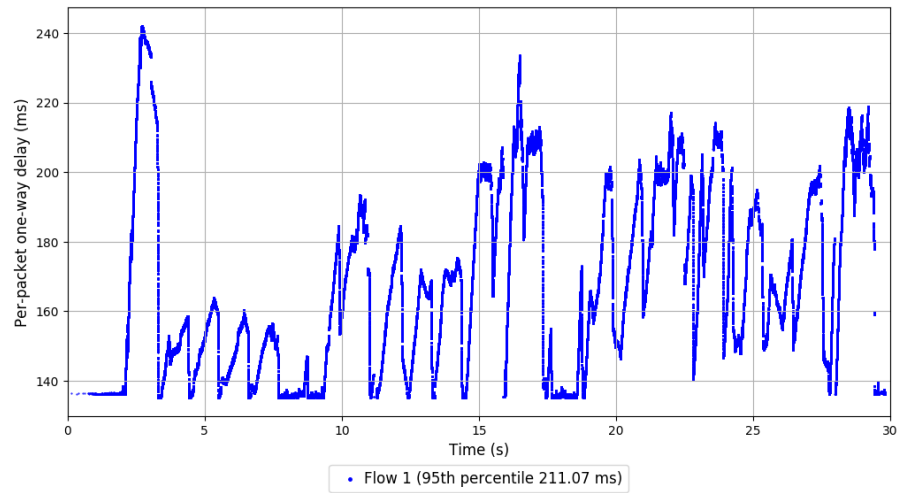
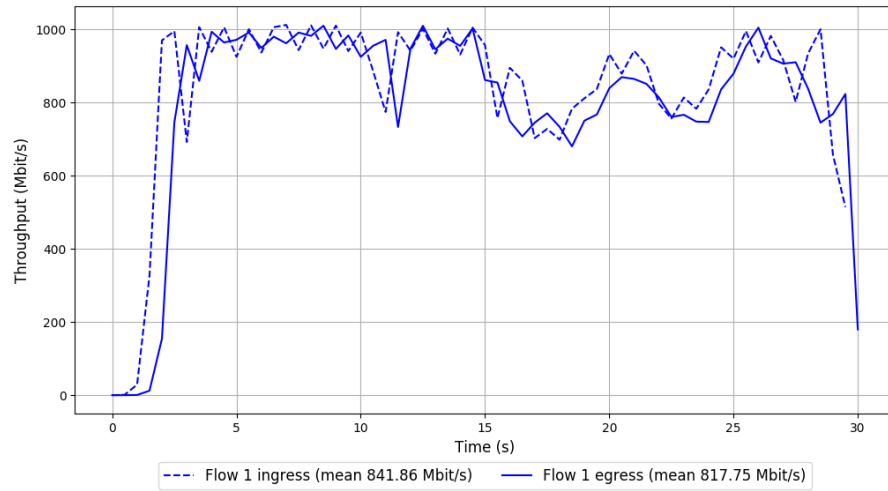
-- Flow 1:

Average throughput: 817.75 Mbit/s

95th percentile per-packet one-way delay: 211.072 ms

Loss rate: 3.75%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-06-06 15:49:58

End at: 2018-06-06 15:50:28

Local clock offset: -0.003 ms

Remote clock offset: 0.189 ms

Below is generated by plot.py at 2018-06-06 16:51:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 861.94 Mbit/s

95th percentile per-packet one-way delay: 196.278 ms

Loss rate: 1.86%

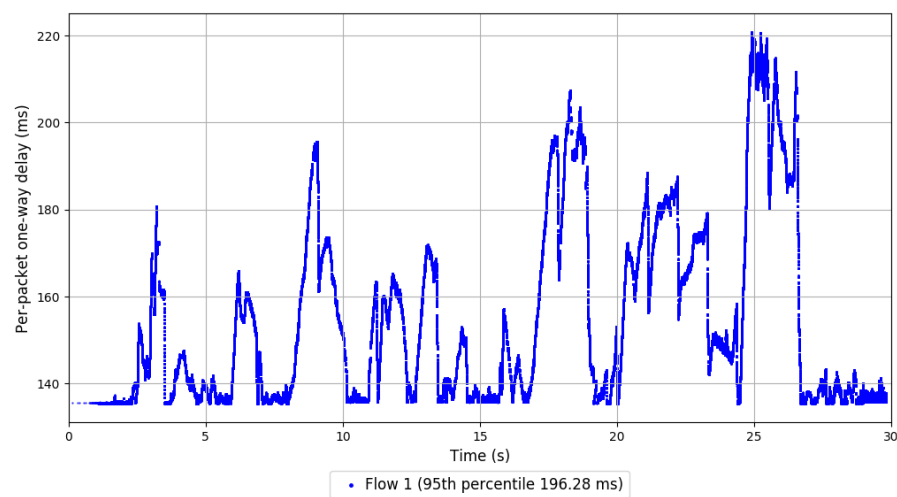
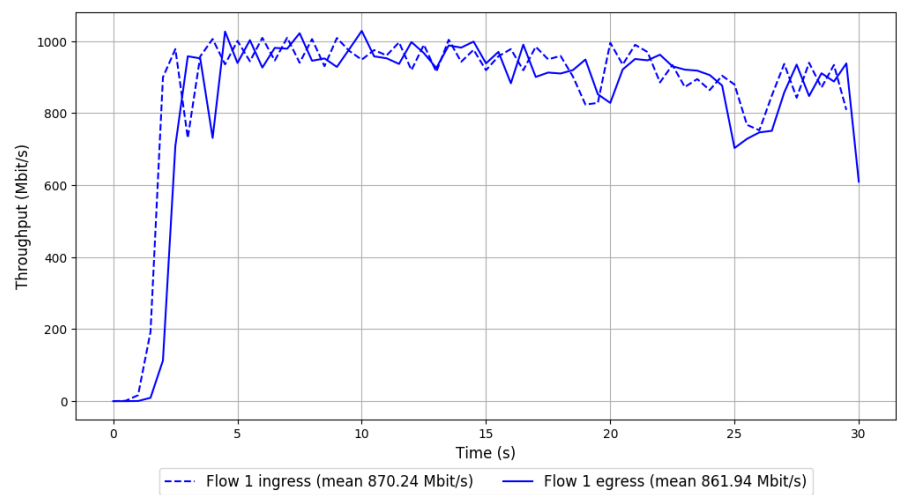
-- Flow 1:

Average throughput: 861.94 Mbit/s

95th percentile per-packet one-way delay: 196.278 ms

Loss rate: 1.86%

Run 10: Report of FillP — Data Link



Run 1: Statistics of Indigo

Start at: 2018-06-06 12:30:32

End at: 2018-06-06 12:31:02

Local clock offset: 0.282 ms

Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-06-06 16:51:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 140.84 Mbit/s

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

Loss rate: 0.97%

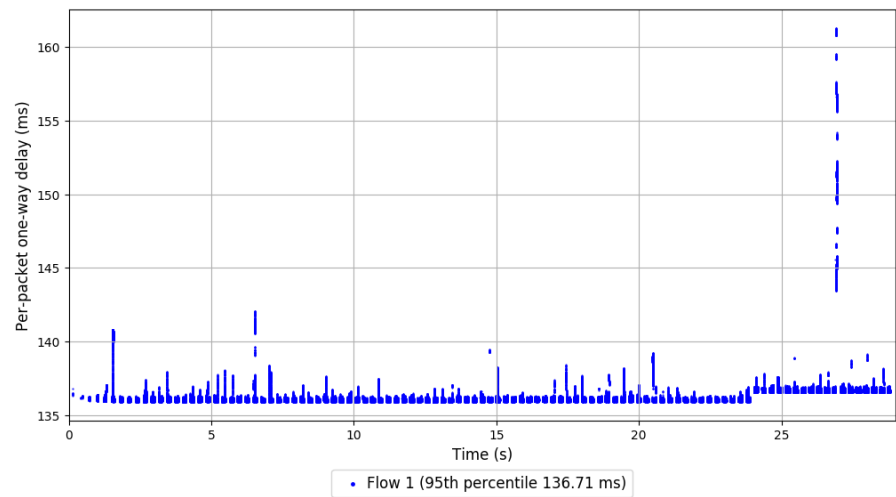
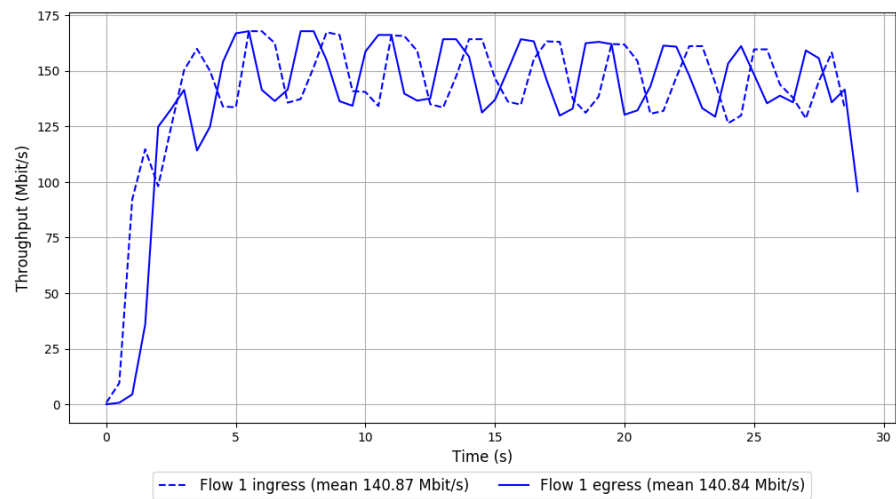
-- Flow 1:

Average throughput: 140.84 Mbit/s

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

Loss rate: 0.97%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-06-06 12:52:04

End at: 2018-06-06 12:52:34

Local clock offset: 0.085 ms

Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-06-06 16:51:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.76 Mbit/s

95th percentile per-packet one-way delay: 135.927 ms

Loss rate: 0.99%

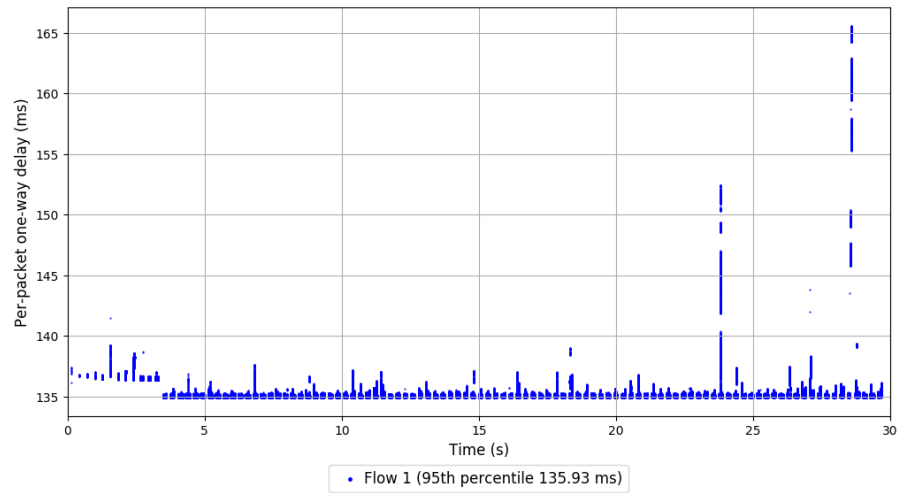
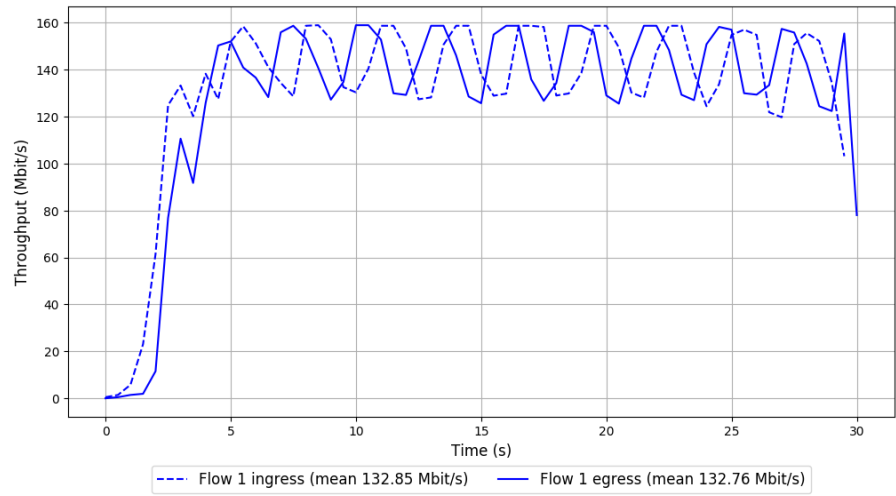
-- Flow 1:

Average throughput: 132.76 Mbit/s

95th percentile per-packet one-way delay: 135.927 ms

Loss rate: 0.99%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-06-06 13:13:26

End at: 2018-06-06 13:13:56

Local clock offset: -0.17 ms

Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-06-06 16:51:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.72 Mbit/s

95th percentile per-packet one-way delay: 136.286 ms

Loss rate: 0.94%

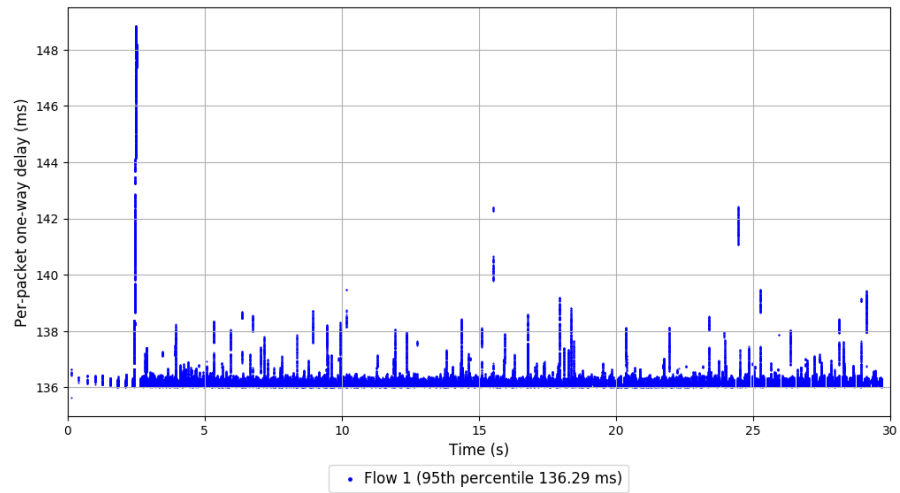
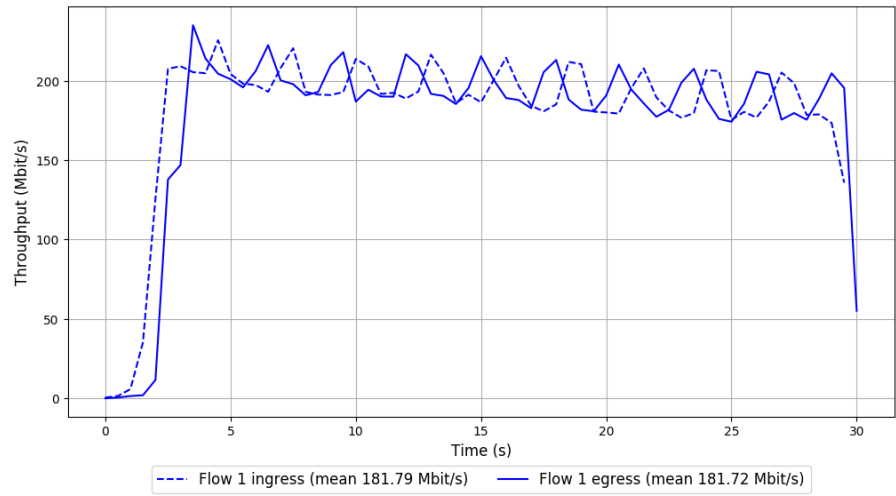
-- Flow 1:

Average throughput: 181.72 Mbit/s

95th percentile per-packet one-way delay: 136.286 ms

Loss rate: 0.94%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-06-06 13:34:51

End at: 2018-06-06 13:35:21

Local clock offset: -0.018 ms

Remote clock offset: 0.345 ms

Below is generated by plot.py at 2018-06-06 16:51:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 133.52 Mbit/s

95th percentile per-packet one-way delay: 136.086 ms

Loss rate: 0.98%

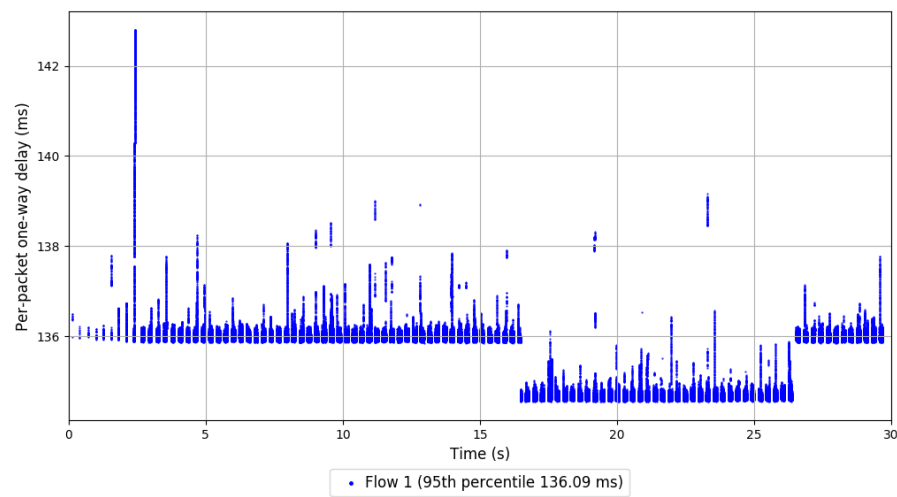
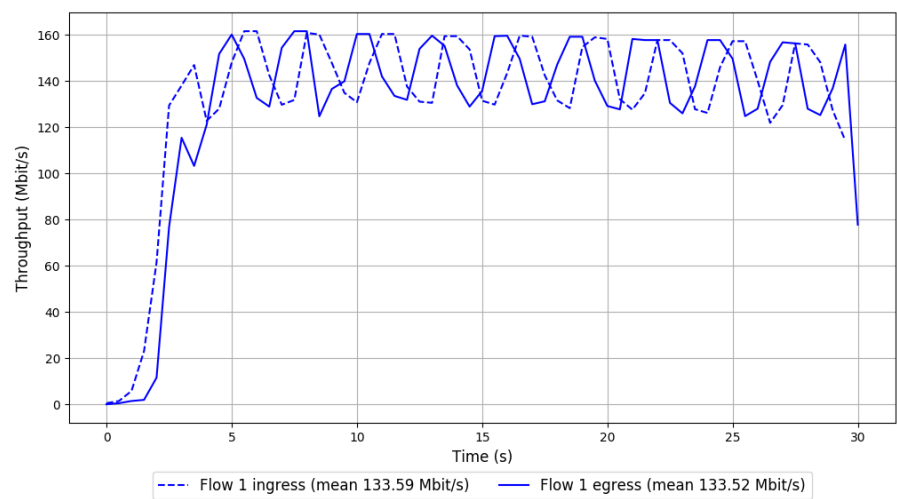
-- Flow 1:

Average throughput: 133.52 Mbit/s

95th percentile per-packet one-way delay: 136.086 ms

Loss rate: 0.98%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-06-06 13:55:54

End at: 2018-06-06 13:56:24

Local clock offset: -0.128 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-06-06 16:51:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.43 Mbit/s

95th percentile per-packet one-way delay: 136.405 ms

Loss rate: 0.89%

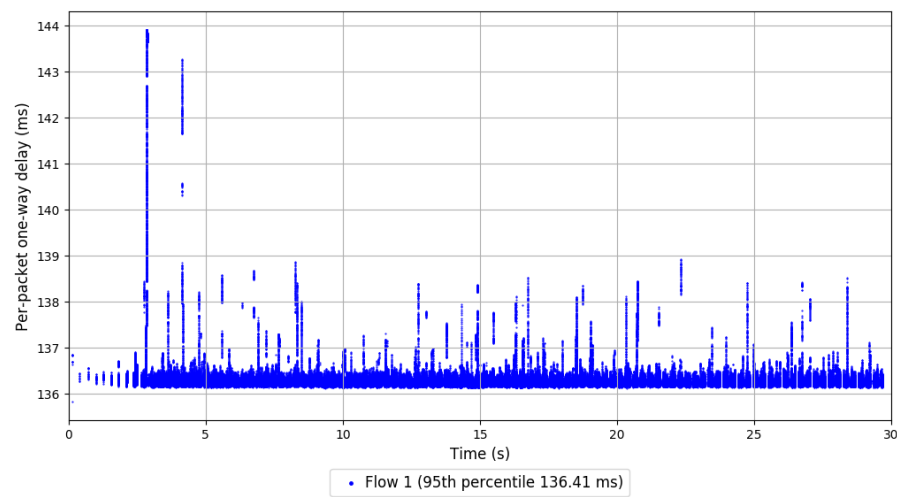
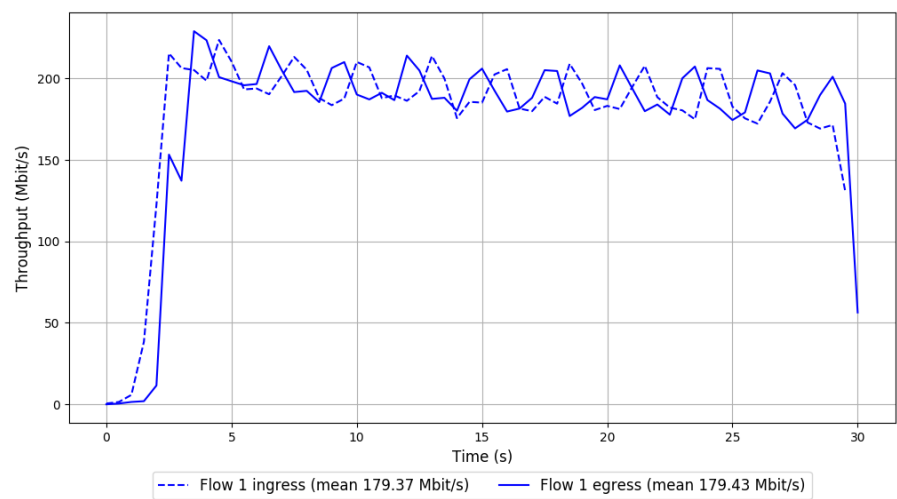
-- Flow 1:

Average throughput: 179.43 Mbit/s

95th percentile per-packet one-way delay: 136.405 ms

Loss rate: 0.89%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-06-06 14:16:55

End at: 2018-06-06 14:17:25

Local clock offset: -0.06 ms

Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-06-06 16:51:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 133.84 Mbit/s

95th percentile per-packet one-way delay: 135.973 ms

Loss rate: 0.98%

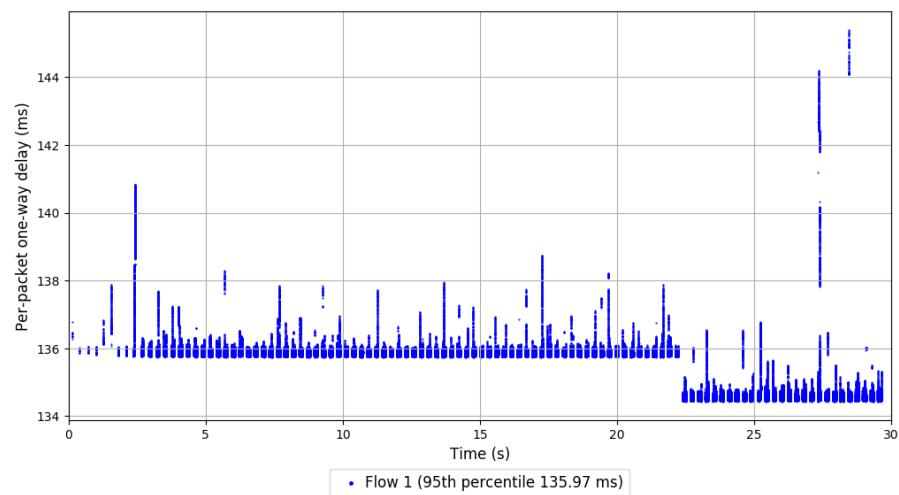
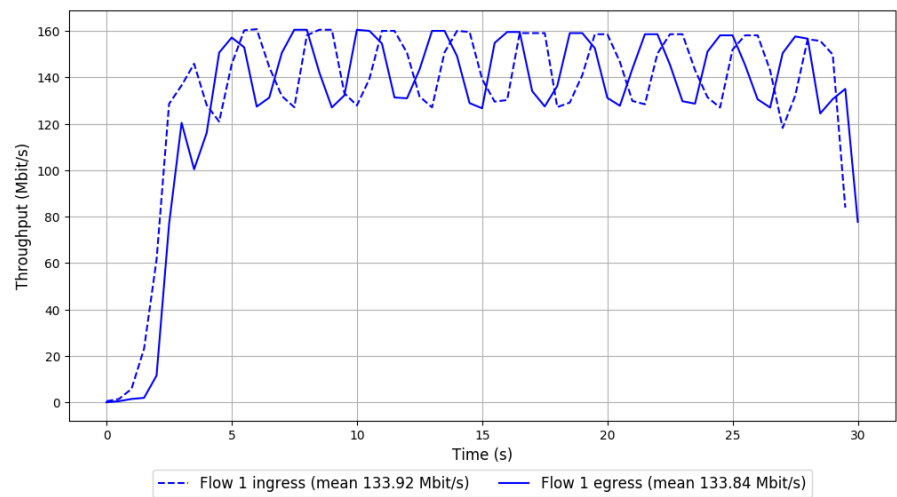
-- Flow 1:

Average throughput: 133.84 Mbit/s

95th percentile per-packet one-way delay: 135.973 ms

Loss rate: 0.98%

Run 6: Report of Indigo — Data Link

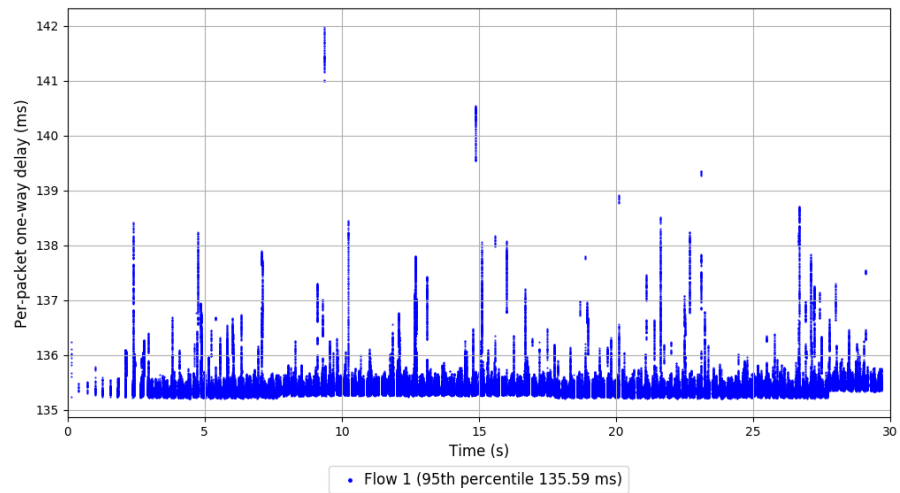
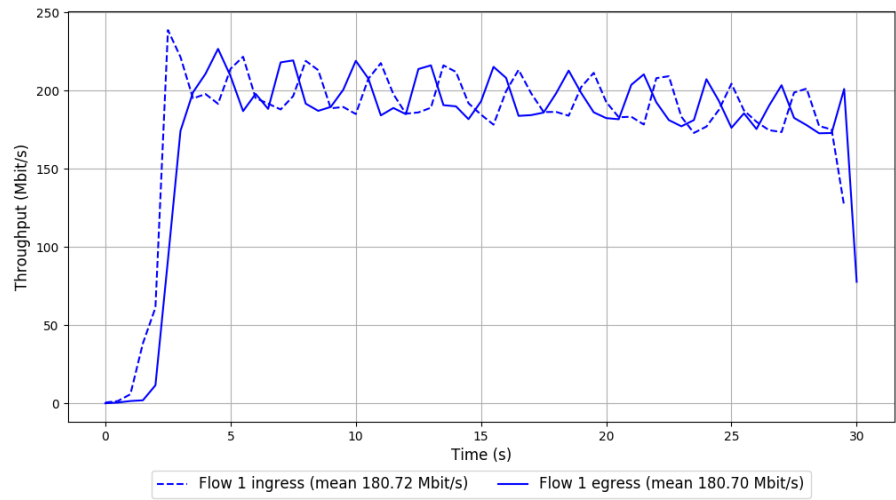


Run 7: Statistics of Indigo

Start at: 2018-06-06 14:38:30
End at: 2018-06-06 14:39:00
Local clock offset: -0.451 ms
Remote clock offset: -0.148 ms

Below is generated by plot.py at 2018-06-06 16:51:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 180.70 Mbit/s
95th percentile per-packet one-way delay: 135.585 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 180.70 Mbit/s
95th percentile per-packet one-way delay: 135.585 ms
Loss rate: 0.92%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-06-06 15:00:02

End at: 2018-06-06 15:00:32

Local clock offset: -0.09 ms

Remote clock offset: -0.297 ms

Below is generated by plot.py at 2018-06-06 16:51:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 134.02 Mbit/s

95th percentile per-packet one-way delay: 135.342 ms

Loss rate: 0.98%

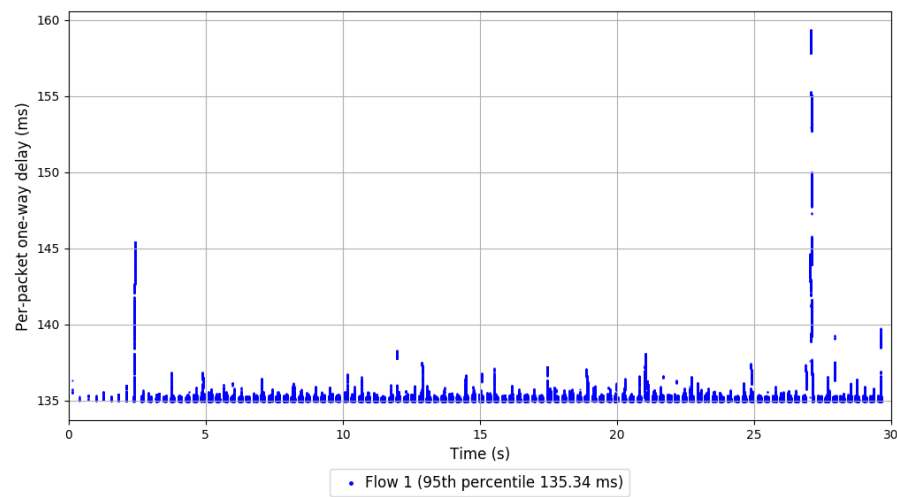
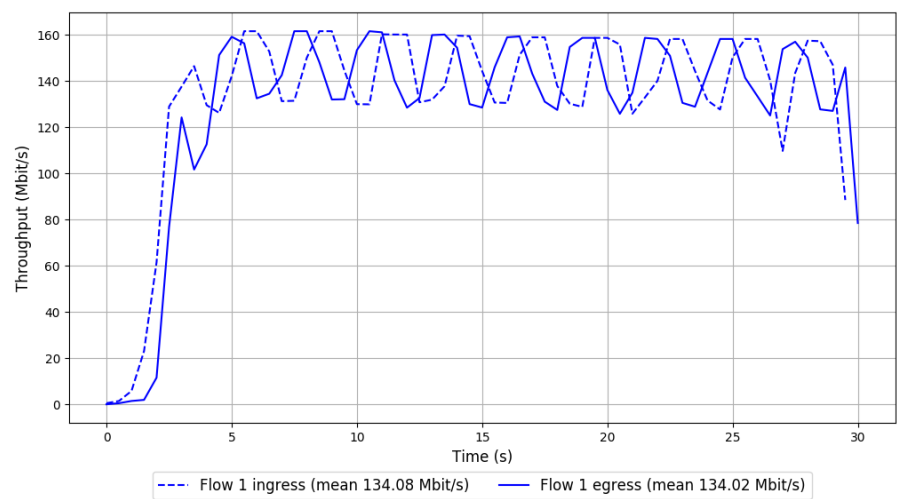
-- Flow 1:

Average throughput: 134.02 Mbit/s

95th percentile per-packet one-way delay: 135.342 ms

Loss rate: 0.98%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-06-06 15:21:39

End at: 2018-06-06 15:22:09

Local clock offset: 0.149 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-06-06 16:51:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.79 Mbit/s

95th percentile per-packet one-way delay: 135.928 ms

Loss rate: 0.93%

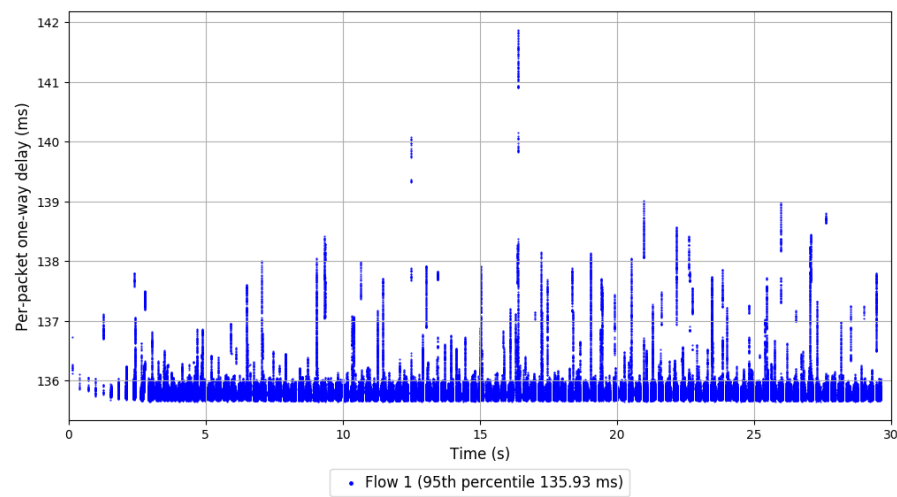
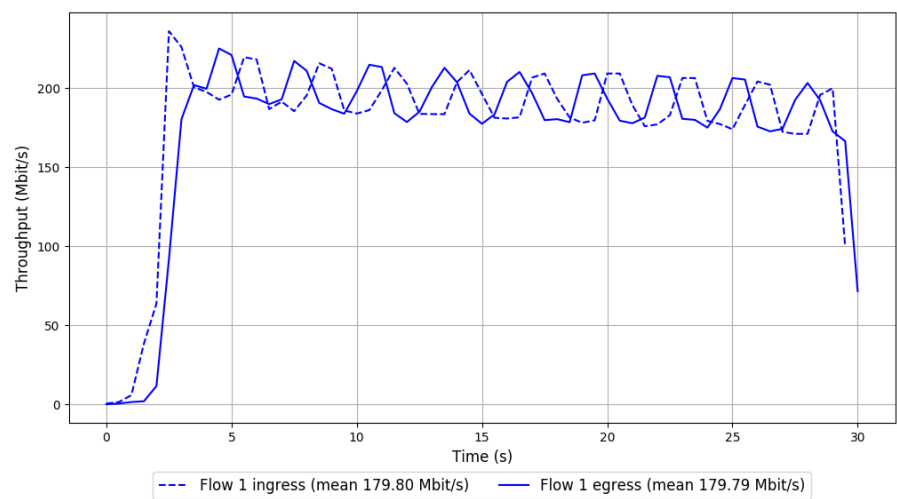
-- Flow 1:

Average throughput: 179.79 Mbit/s

95th percentile per-packet one-way delay: 135.928 ms

Loss rate: 0.93%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-06-06 15:43:01

End at: 2018-06-06 15:43:31

Local clock offset: 0.118 ms

Remote clock offset: 0.202 ms

Below is generated by plot.py at 2018-06-06 16:51:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.29 Mbit/s

95th percentile per-packet one-way delay: 135.910 ms

Loss rate: 0.95%

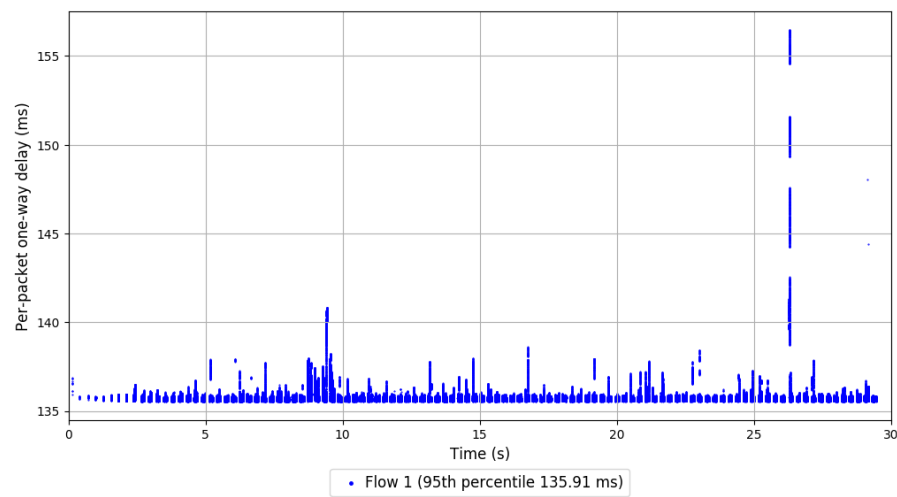
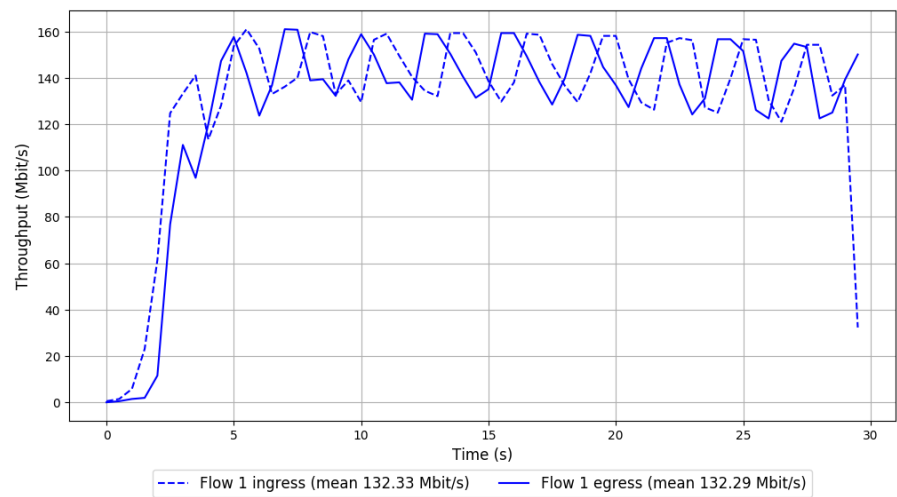
-- Flow 1:

Average throughput: 132.29 Mbit/s

95th percentile per-packet one-way delay: 135.910 ms

Loss rate: 0.95%

Run 10: Report of Indigo — Data Link

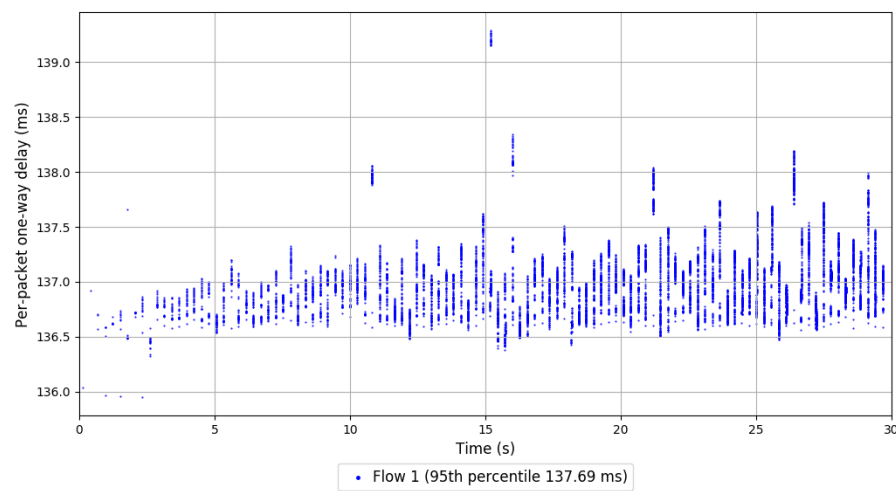
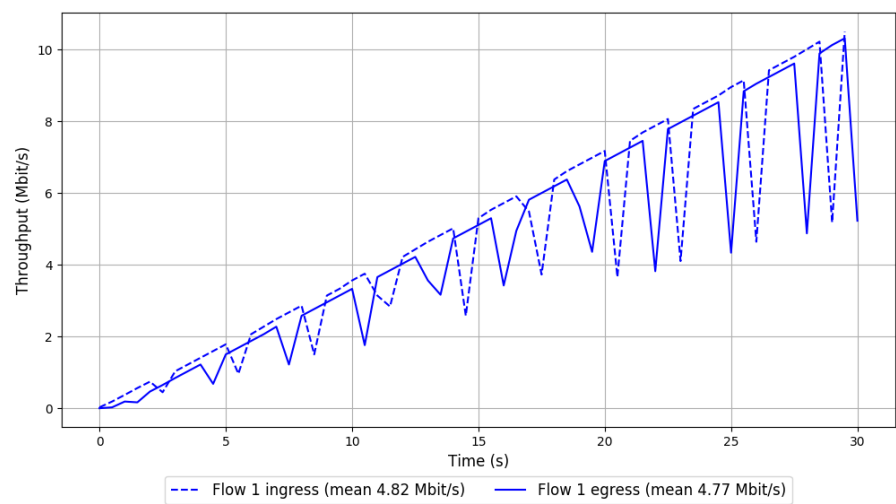


```
Run 1: Statistics of LEDBAT

Start at: 2018-06-06 12:31:51
End at: 2018-06-06 12:32:21
Local clock offset: 0.078 ms
Remote clock offset: -0.02 ms

# Below is generated by plot.py at 2018-06-06 16:51:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.77 Mbit/s
95th percentile per-packet one-way delay: 137.690 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 4.77 Mbit/s
95th percentile per-packet one-way delay: 137.690 ms
Loss rate: 1.84%
```

Run 1: Report of LEDBAT — Data Link

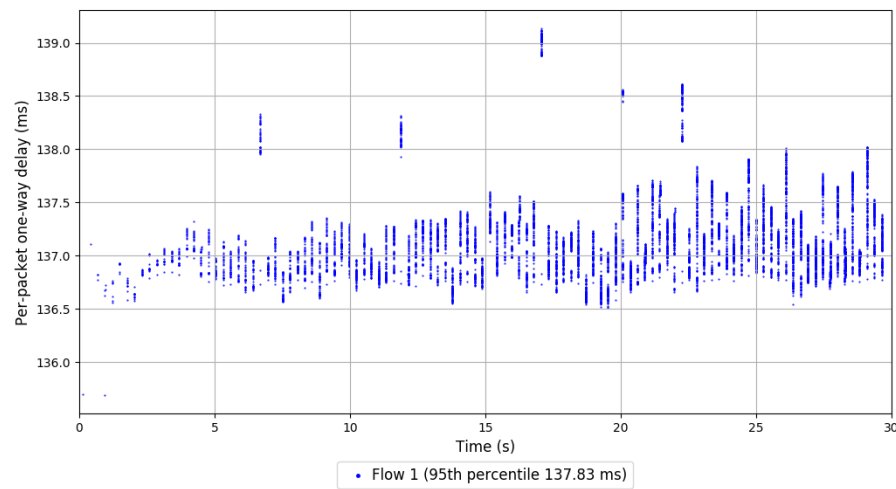
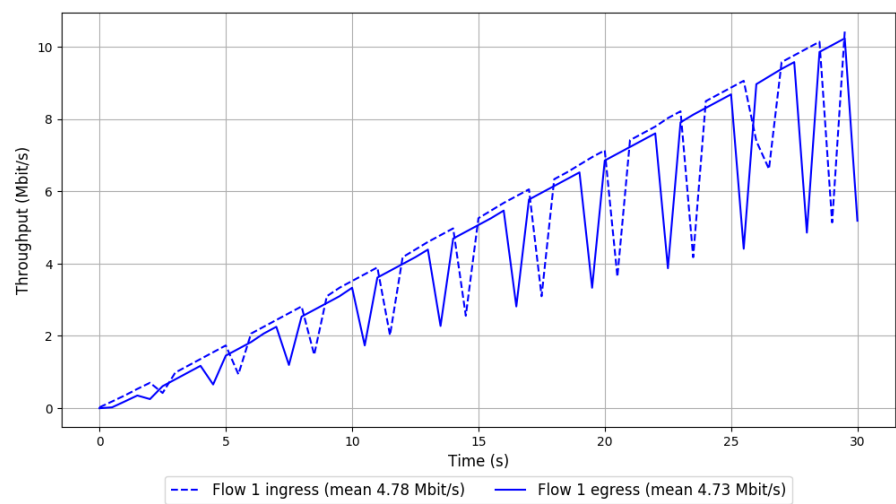


Run 2: Statistics of LEDBAT

Start at: 2018-06-06 12:53:22
End at: 2018-06-06 12:53:52
Local clock offset: -0.121 ms
Remote clock offset: -0.451 ms

Below is generated by plot.py at 2018-06-06 16:51:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.73 Mbit/s
95th percentile per-packet one-way delay: 137.833 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 4.73 Mbit/s
95th percentile per-packet one-way delay: 137.833 ms
Loss rate: 1.84%

Run 2: Report of LEDBAT — Data Link

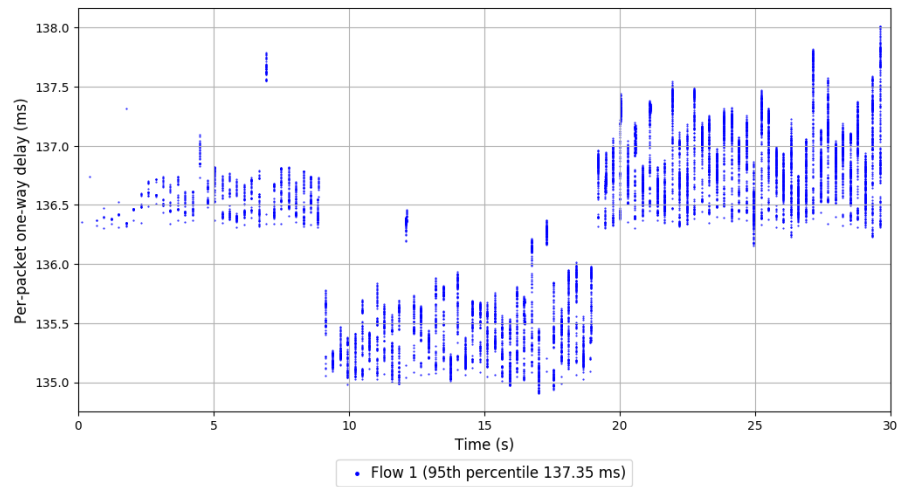
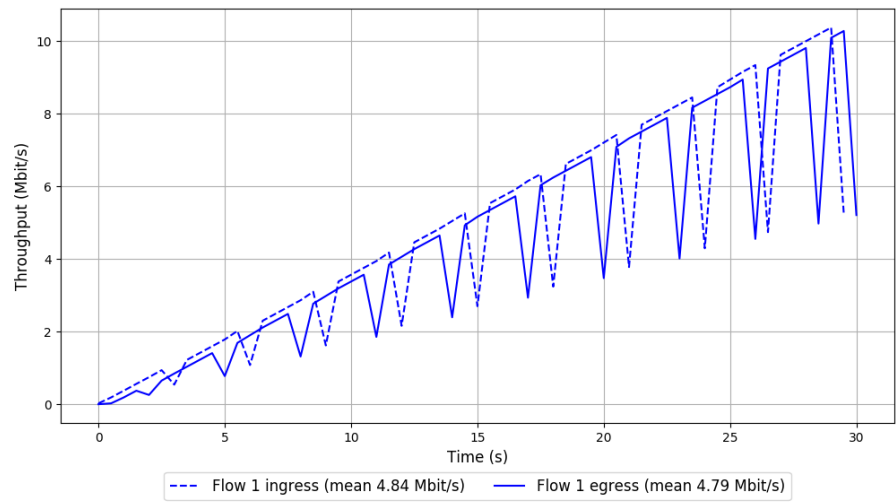


Run 3: Statistics of LEDBAT

Start at: 2018-06-06 13:14:48
End at: 2018-06-06 13:15:18
Local clock offset: -0.06 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-06-06 16:51:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.79 Mbit/s
95th percentile per-packet one-way delay: 137.355 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 4.79 Mbit/s
95th percentile per-packet one-way delay: 137.355 ms
Loss rate: 1.83%

Run 3: Report of LEDBAT — Data Link

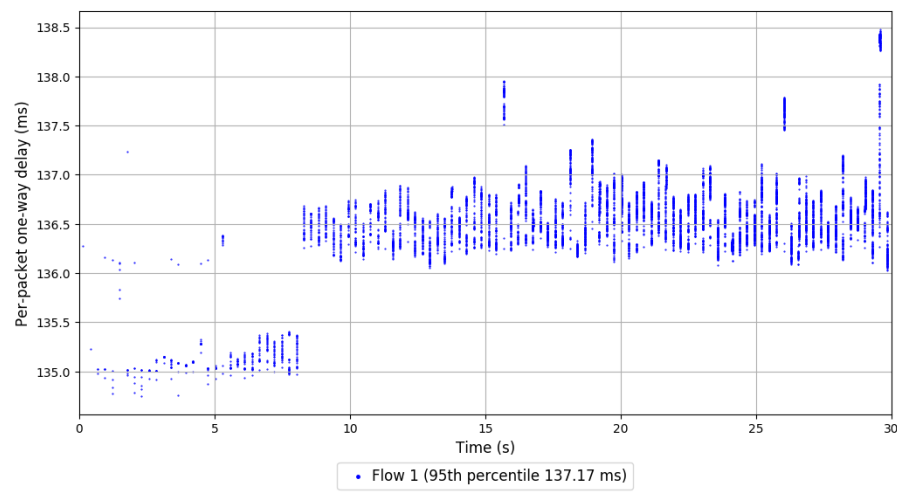
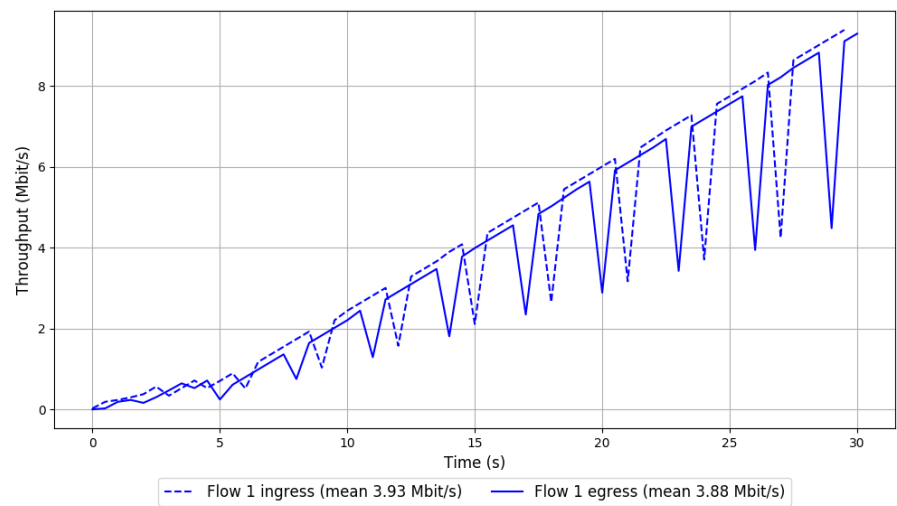


Run 4: Statistics of LEDBAT

Start at: 2018-06-06 13:36:09
End at: 2018-06-06 13:36:39
Local clock offset: -0.244 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-06-06 16:51:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 137.168 ms
Loss rate: 2.00%
-- Flow 1:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 137.168 ms
Loss rate: 2.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-06-06 13:57:16

End at: 2018-06-06 13:57:46

Local clock offset: -0.094 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-06-06 16:51:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.78 Mbit/s

95th percentile per-packet one-way delay: 137.244 ms

Loss rate: 1.83%

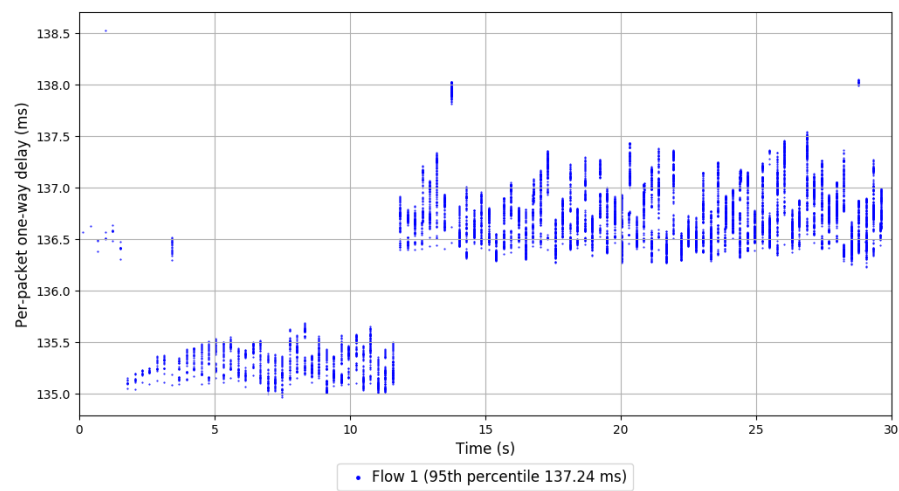
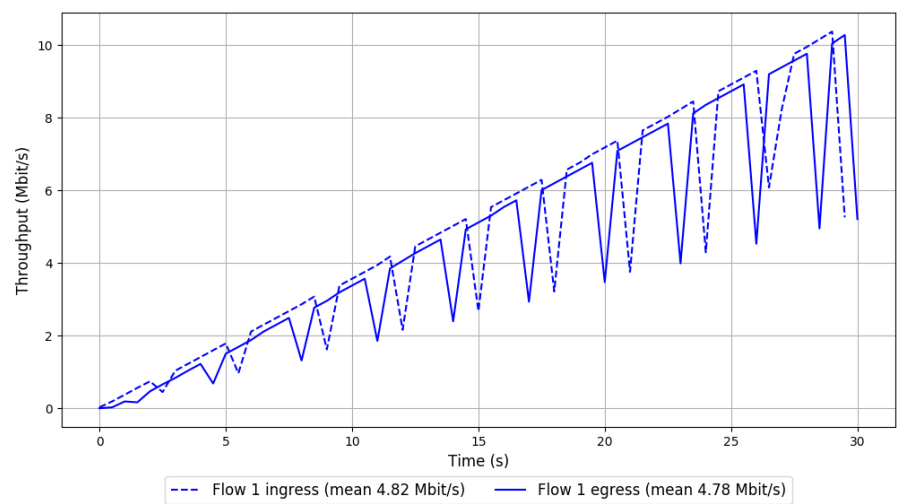
-- Flow 1:

Average throughput: 4.78 Mbit/s

95th percentile per-packet one-way delay: 137.244 ms

Loss rate: 1.83%

Run 5: Report of LEDBAT — Data Link

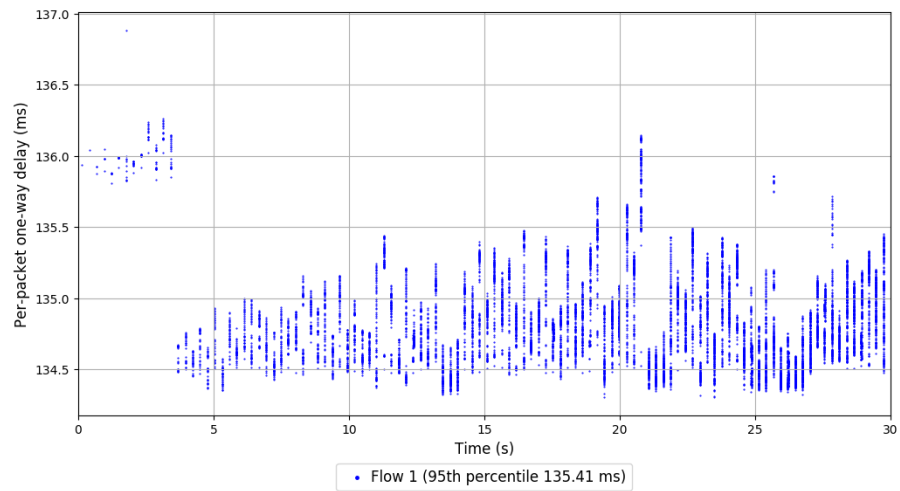
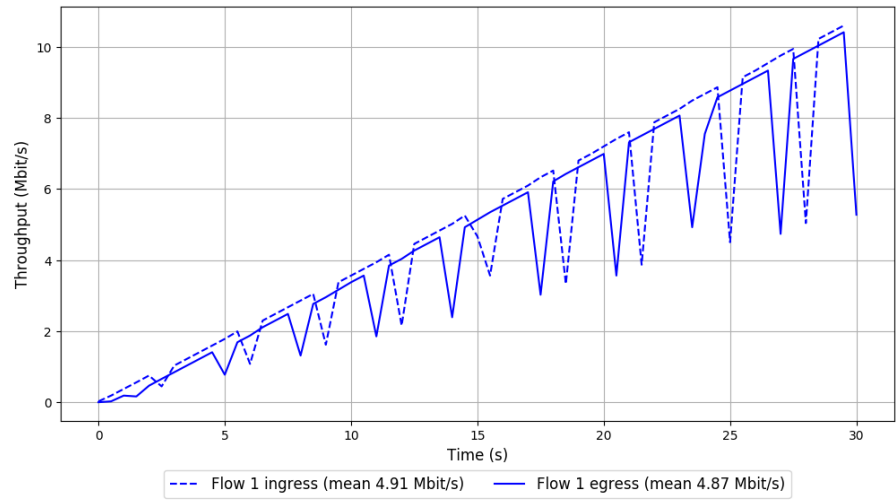


Run 6: Statistics of LEDBAT

Start at: 2018-06-06 14:18:14
End at: 2018-06-06 14:18:44
Local clock offset: -0.21 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-06-06 16:51:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.87 Mbit/s
95th percentile per-packet one-way delay: 135.410 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 4.87 Mbit/s
95th percentile per-packet one-way delay: 135.410 ms
Loss rate: 1.81%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-06-06 14:39:51

End at: 2018-06-06 14:40:21

Local clock offset: -0.131 ms

Remote clock offset: 0.208 ms

Below is generated by plot.py at 2018-06-06 16:51:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.81 Mbit/s

95th percentile per-packet one-way delay: 136.229 ms

Loss rate: 1.83%

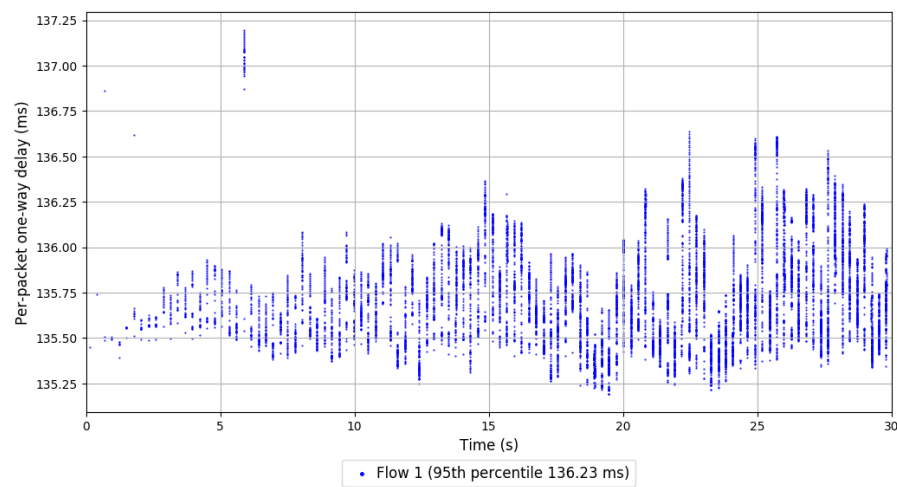
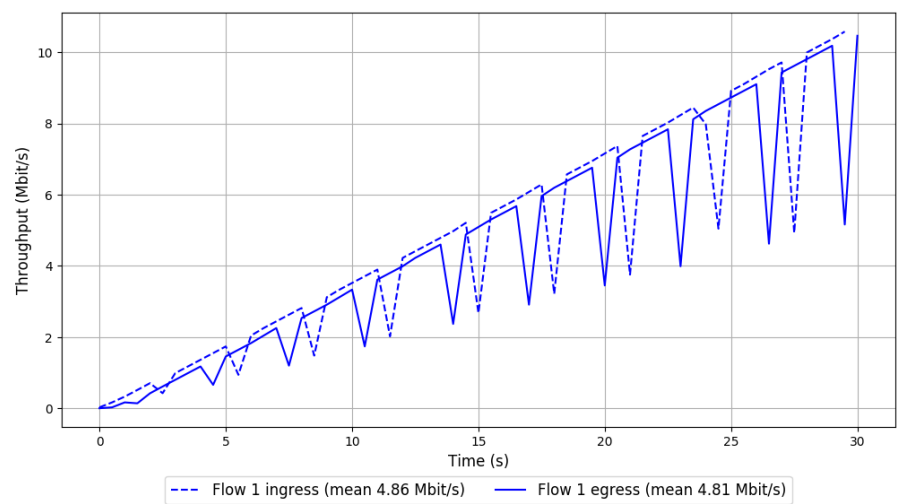
-- Flow 1:

Average throughput: 4.81 Mbit/s

95th percentile per-packet one-way delay: 136.229 ms

Loss rate: 1.83%

Run 7: Report of LEDBAT — Data Link

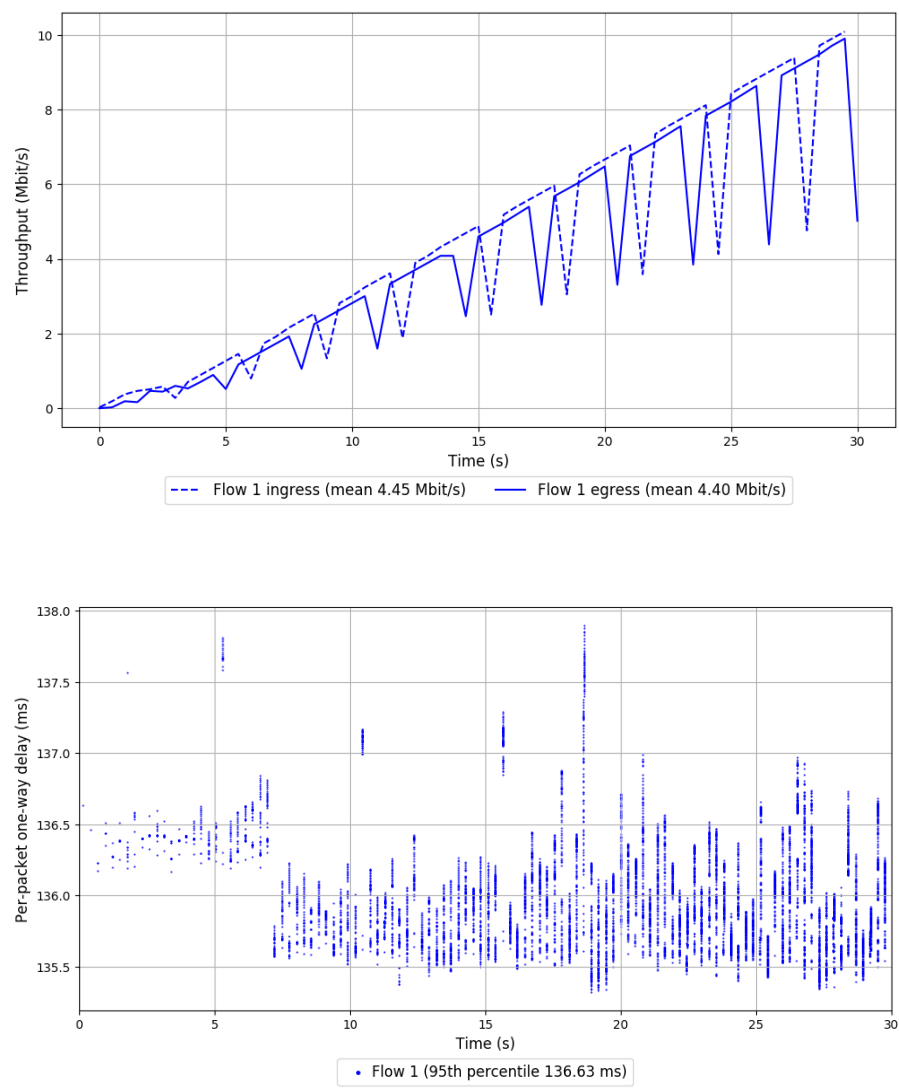


Run 8: Statistics of LEDBAT

Start at: 2018-06-06 15:01:20
End at: 2018-06-06 15:01:50
Local clock offset: -0.074 ms
Remote clock offset: -0.681 ms

Below is generated by plot.py at 2018-06-06 16:51:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 136.629 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 136.629 ms
Loss rate: 1.90%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-06-06 15:23:01

End at: 2018-06-06 15:23:31

Local clock offset: 0.031 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-06-06 16:51:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.79 Mbit/s

95th percentile per-packet one-way delay: 136.575 ms

Loss rate: 2.05%

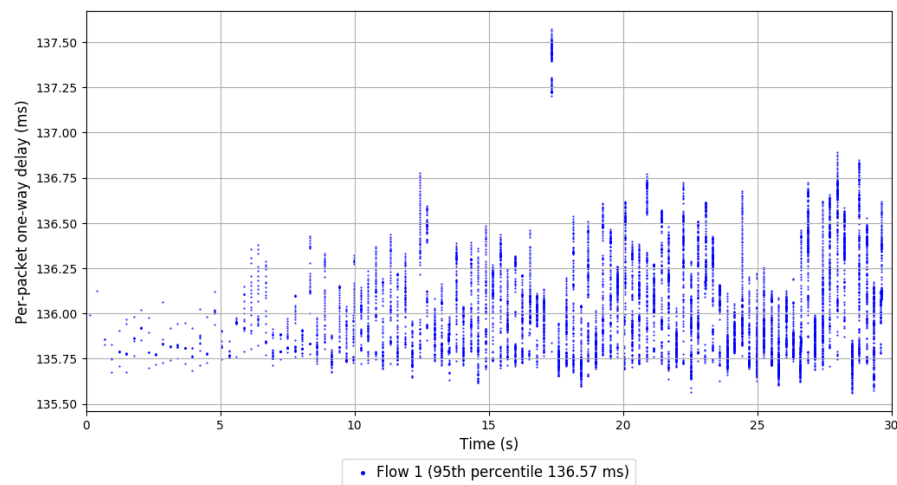
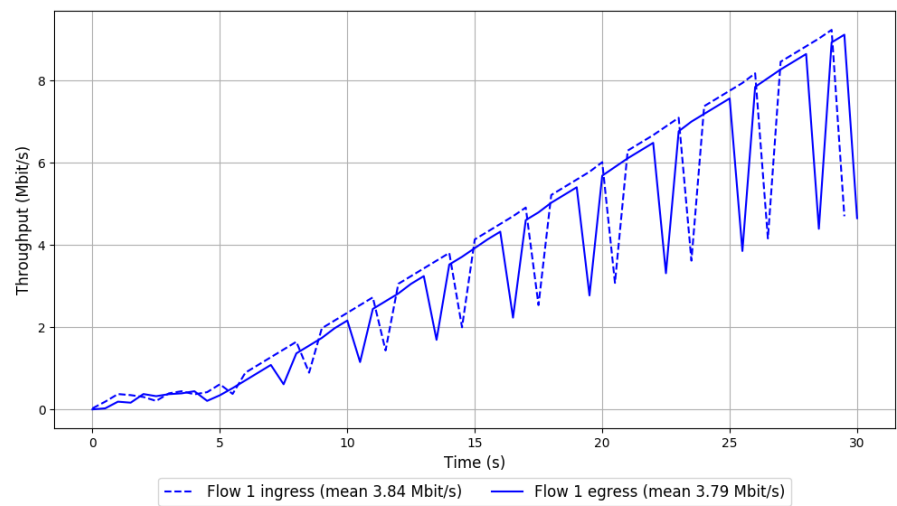
-- Flow 1:

Average throughput: 3.79 Mbit/s

95th percentile per-packet one-way delay: 136.575 ms

Loss rate: 2.05%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-06-06 15:44:20

End at: 2018-06-06 15:44:50

Local clock offset: 0.099 ms

Remote clock offset: -0.22 ms

Below is generated by plot.py at 2018-06-06 16:51:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.79 Mbit/s

95th percentile per-packet one-way delay: 137.224 ms

Loss rate: 1.83%

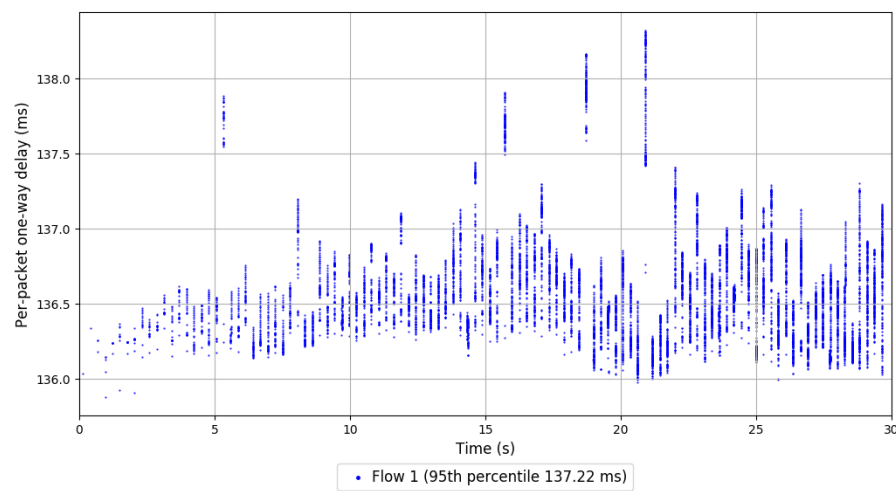
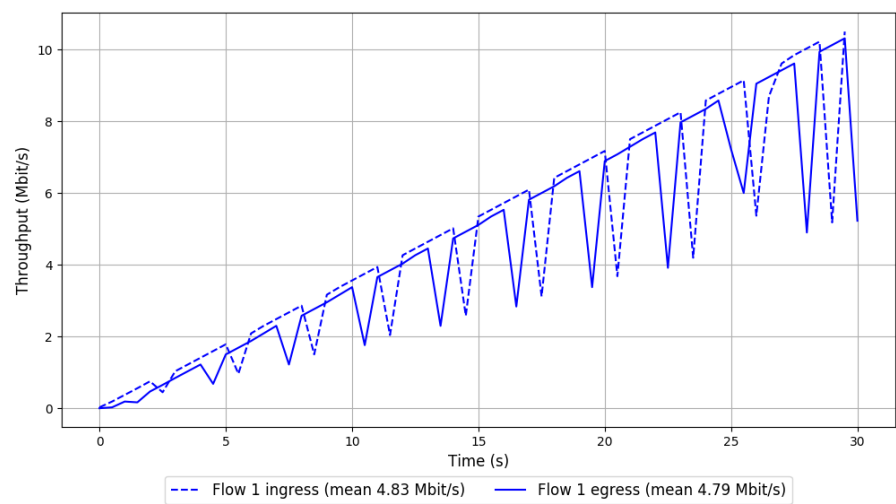
-- Flow 1:

Average throughput: 4.79 Mbit/s

95th percentile per-packet one-way delay: 137.224 ms

Loss rate: 1.83%

Run 10: Report of LEDBAT — Data Link

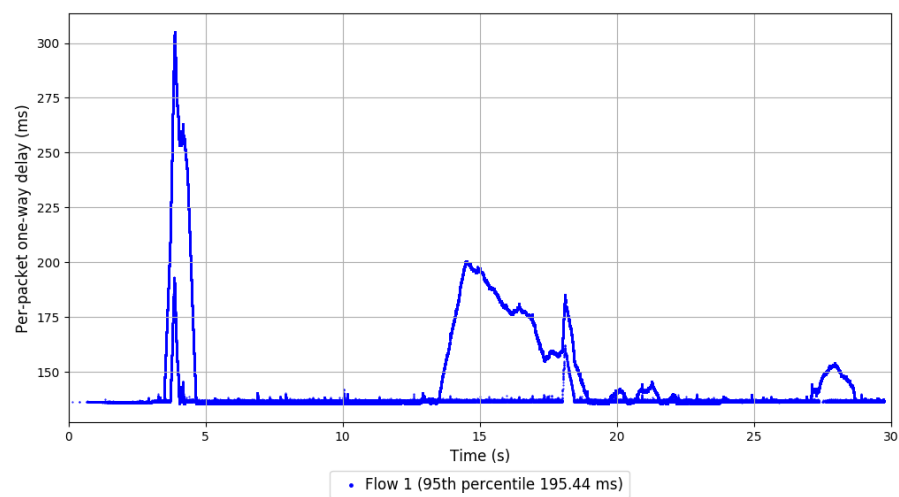
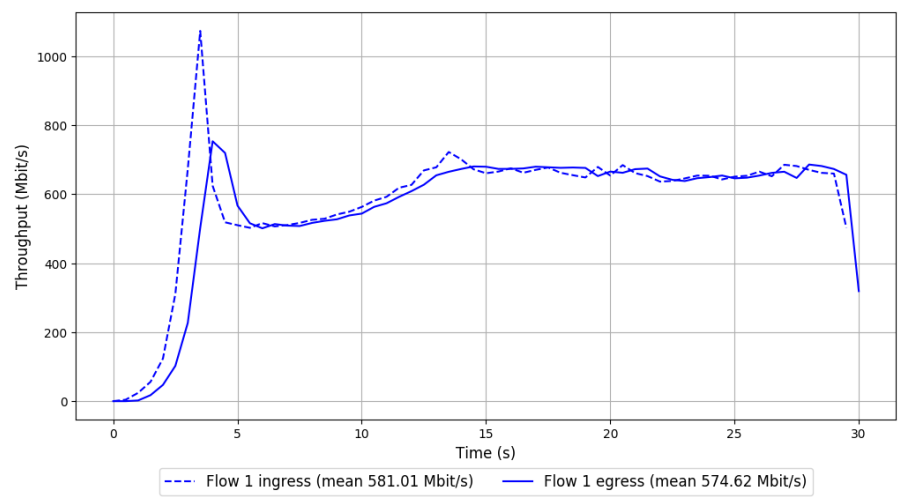


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-06-06 12:35:53
End at: 2018-06-06 12:36:23
Local clock offset: 0.007 ms
Remote clock offset: 0.29 ms

# Below is generated by plot.py at 2018-06-06 16:51:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 574.62 Mbit/s
95th percentile per-packet one-way delay: 195.440 ms
Loss rate: 2.01%
-- Flow 1:
Average throughput: 574.62 Mbit/s
95th percentile per-packet one-way delay: 195.440 ms
Loss rate: 2.01%
```


Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-06-06 12:57:18

End at: 2018-06-06 12:57:48

Local clock offset: -0.068 ms

Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-06-06 16:51:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 553.73 Mbit/s

95th percentile per-packet one-way delay: 205.494 ms

Loss rate: 2.44%

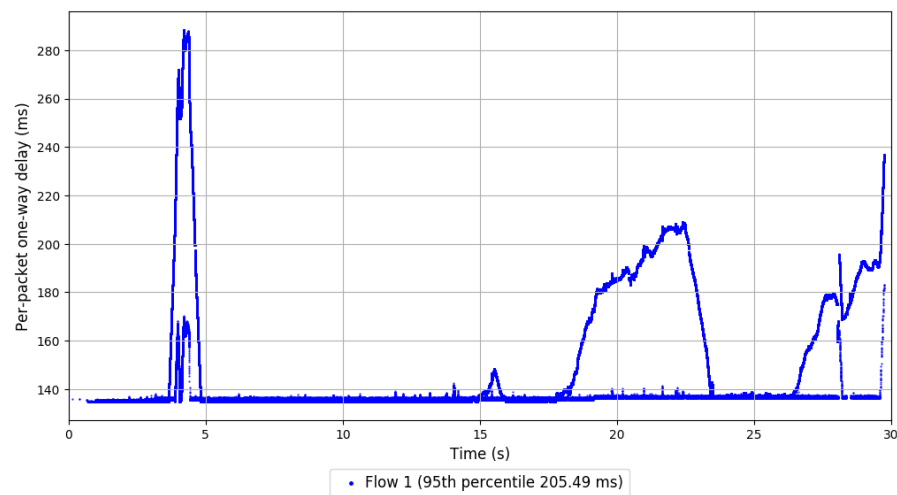
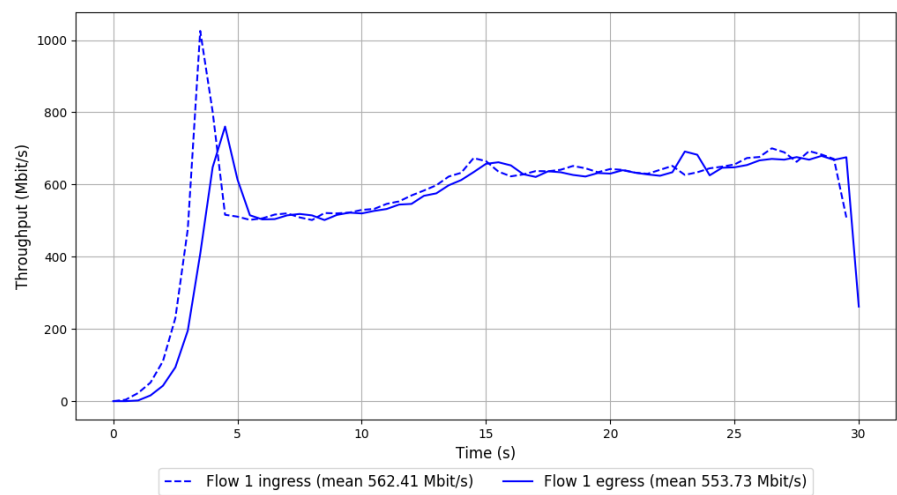
-- Flow 1:

Average throughput: 553.73 Mbit/s

95th percentile per-packet one-way delay: 205.494 ms

Loss rate: 2.44%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-06-06 13:18:44

End at: 2018-06-06 13:19:14

Local clock offset: 0.082 ms

Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-06-06 16:51:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 524.20 Mbit/s

95th percentile per-packet one-way delay: 176.513 ms

Loss rate: 2.27%

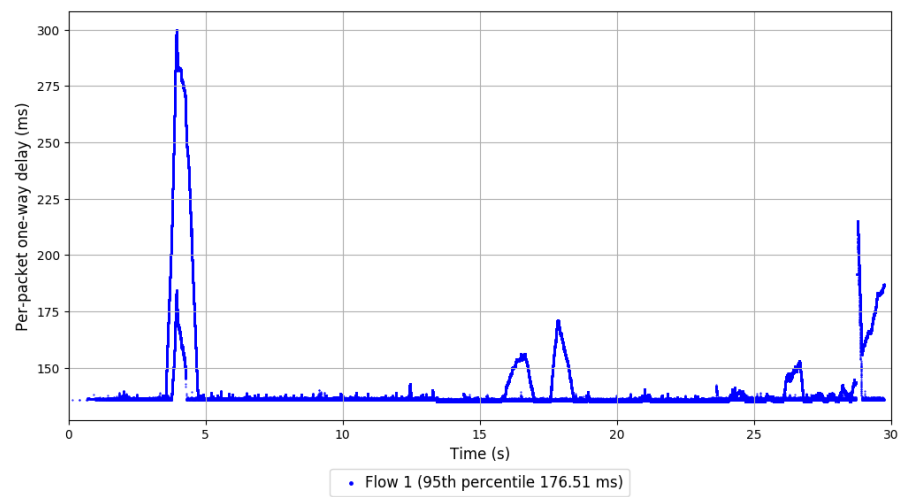
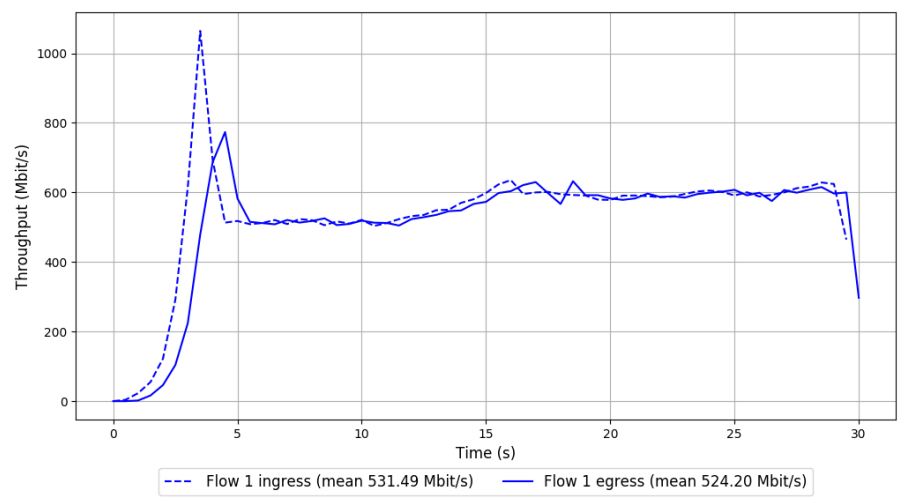
-- Flow 1:

Average throughput: 524.20 Mbit/s

95th percentile per-packet one-way delay: 176.513 ms

Loss rate: 2.27%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-06-06 13:40:12

End at: 2018-06-06 13:40:42

Local clock offset: -0.295 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-06-06 16:51:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 559.76 Mbit/s

95th percentile per-packet one-way delay: 148.988 ms

Loss rate: 1.89%

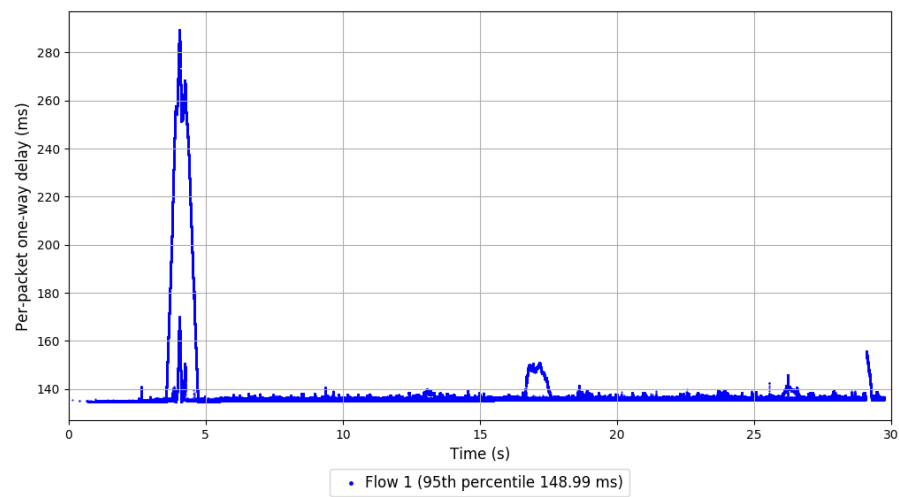
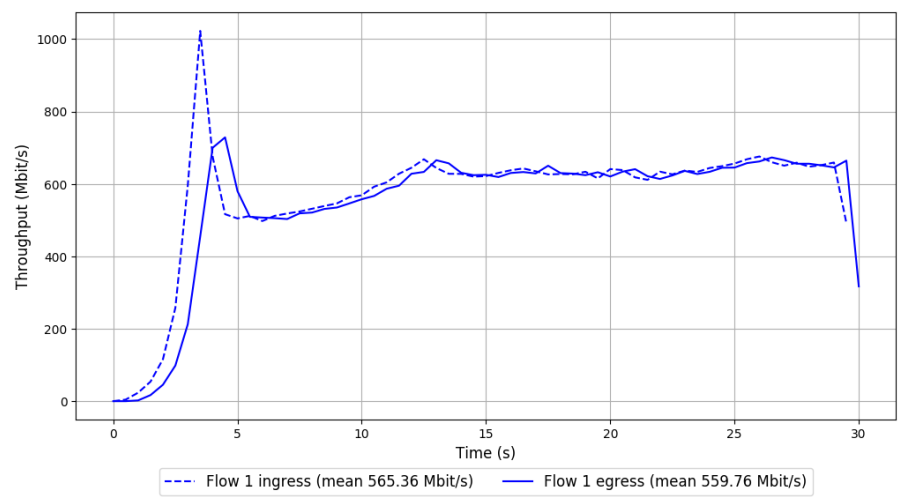
-- Flow 1:

Average throughput: 559.76 Mbit/s

95th percentile per-packet one-way delay: 148.988 ms

Loss rate: 1.89%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-06-06 14:01:04

End at: 2018-06-06 14:01:34

Local clock offset: 0.015 ms

Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-06-06 16:51:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 553.22 Mbit/s

95th percentile per-packet one-way delay: 164.802 ms

Loss rate: 2.05%

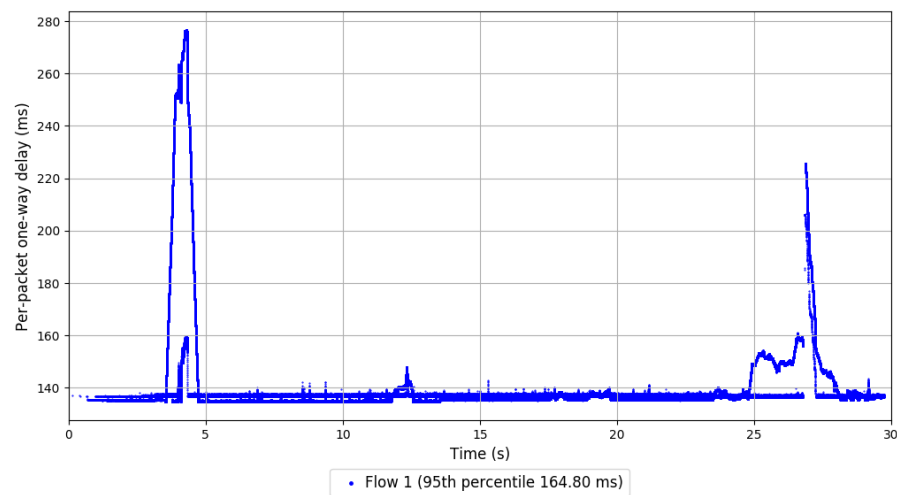
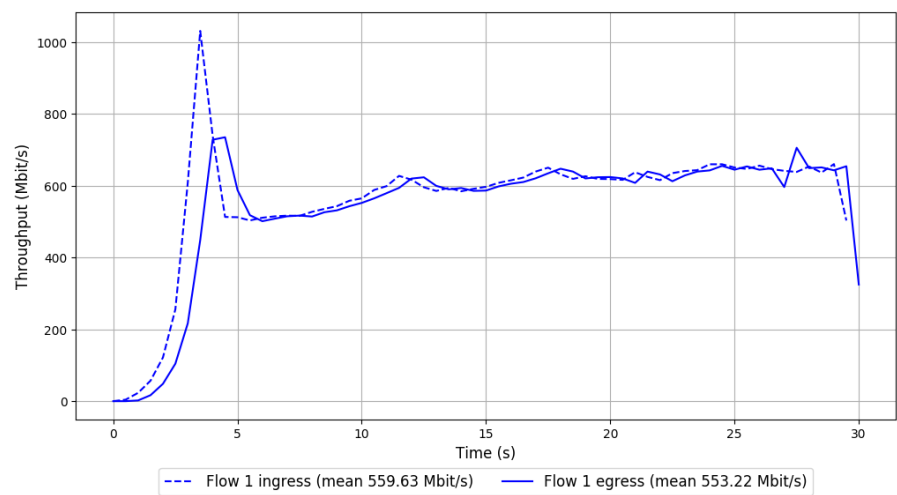
-- Flow 1:

Average throughput: 553.22 Mbit/s

95th percentile per-packet one-way delay: 164.802 ms

Loss rate: 2.05%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-06-06 14:22:06

End at: 2018-06-06 14:22:36

Local clock offset: -0.109 ms

Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-06-06 16:51:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 565.22 Mbit/s

95th percentile per-packet one-way delay: 188.425 ms

Loss rate: 2.22%

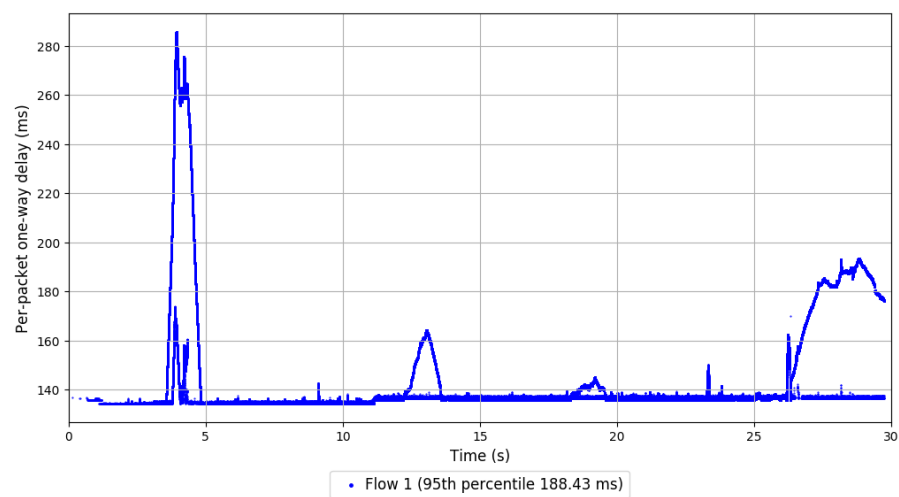
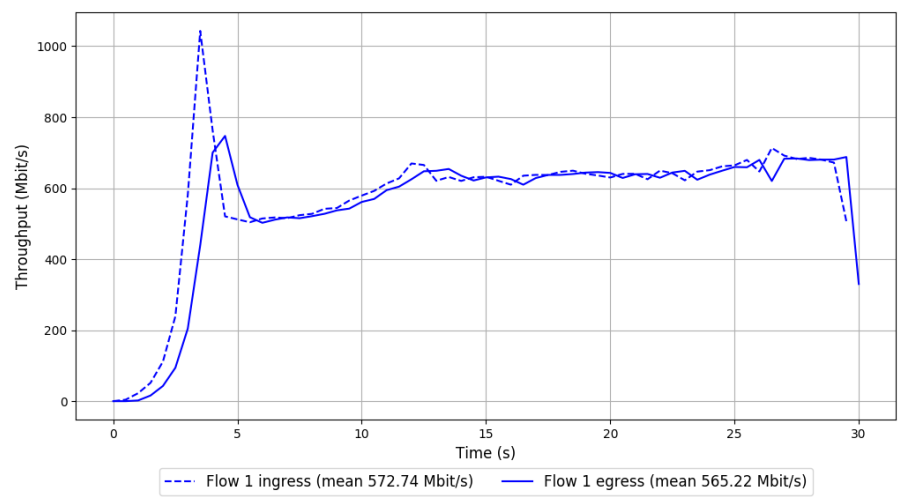
-- Flow 1:

Average throughput: 565.22 Mbit/s

95th percentile per-packet one-way delay: 188.425 ms

Loss rate: 2.22%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-06-06 14:43:53

End at: 2018-06-06 14:44:23

Local clock offset: 0.003 ms

Remote clock offset: -0.22 ms

Below is generated by plot.py at 2018-06-06 16:58:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 545.49 Mbit/s

95th percentile per-packet one-way delay: 201.960 ms

Loss rate: 1.93%

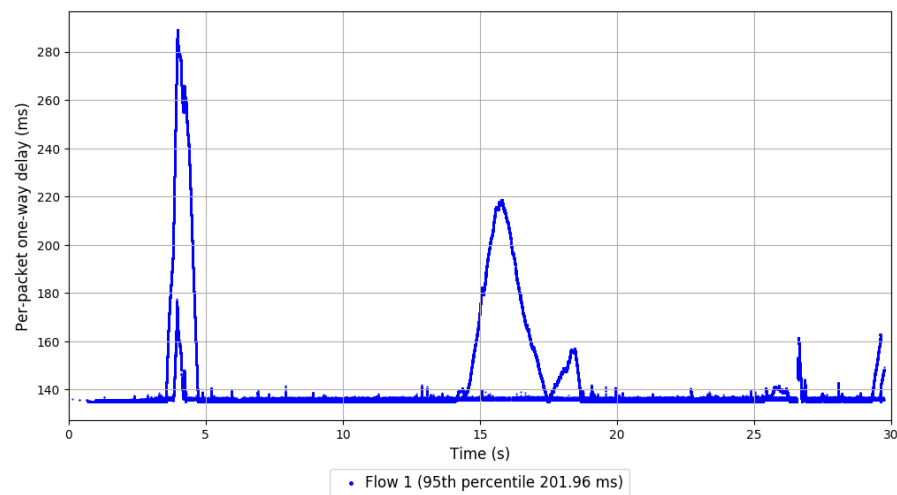
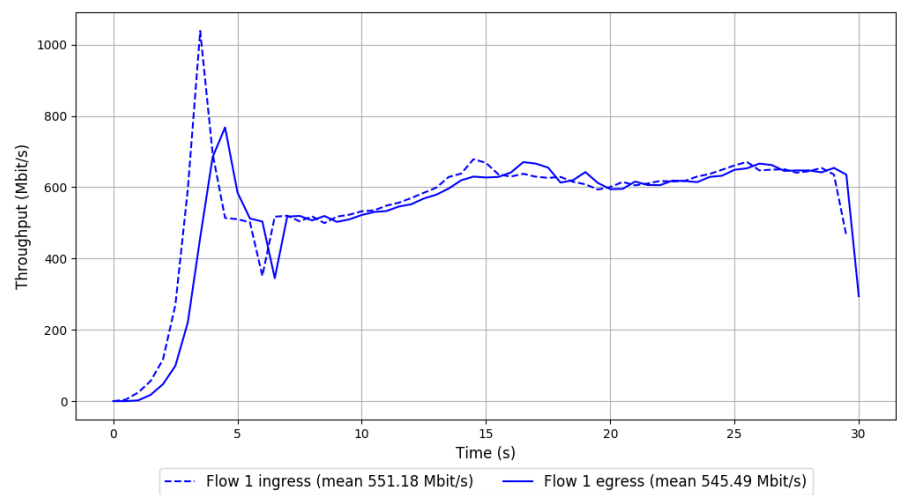
-- Flow 1:

Average throughput: 545.49 Mbit/s

95th percentile per-packet one-way delay: 201.960 ms

Loss rate: 1.93%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-06-06 15:05:22

End at: 2018-06-06 15:05:52

Local clock offset: -0.161 ms

Remote clock offset: -0.315 ms

Below is generated by plot.py at 2018-06-06 16:58:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 532.32 Mbit/s

95th percentile per-packet one-way delay: 154.328 ms

Loss rate: 2.11%

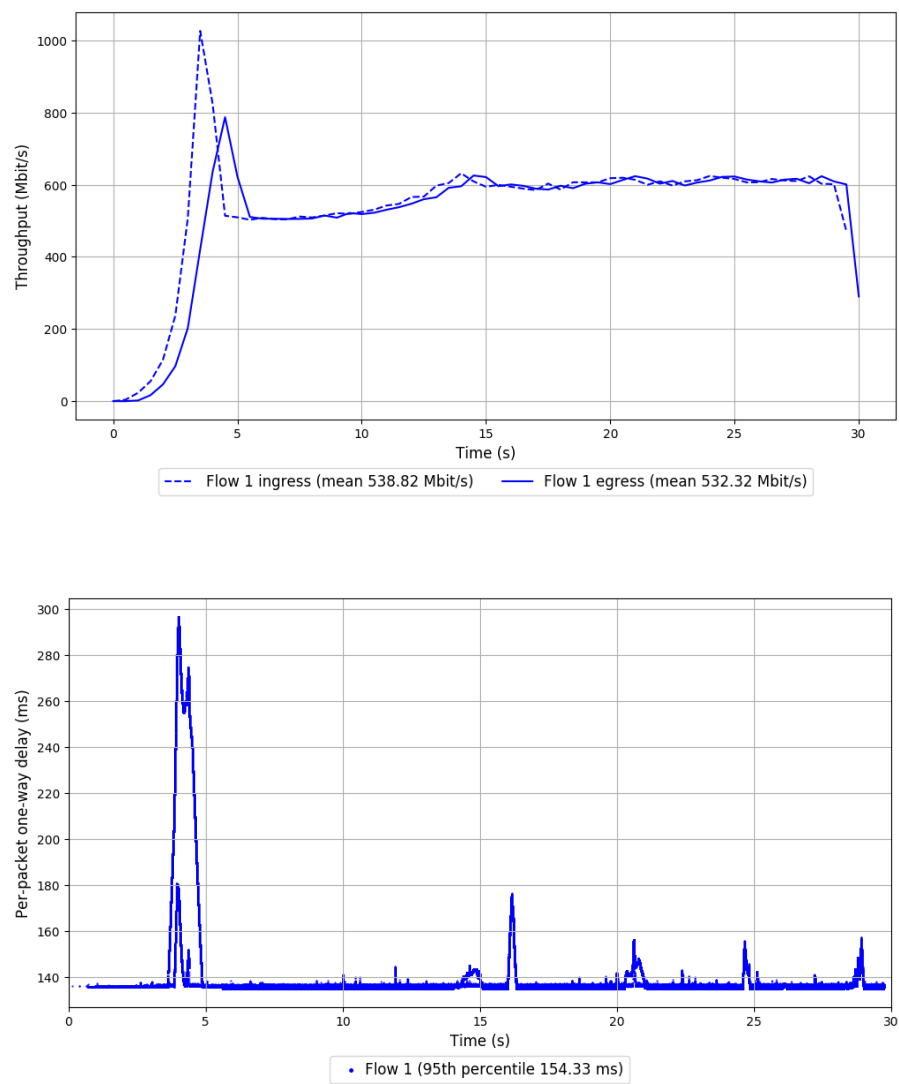
-- Flow 1:

Average throughput: 532.32 Mbit/s

95th percentile per-packet one-way delay: 154.328 ms

Loss rate: 2.11%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-06-06 15:27:03

End at: 2018-06-06 15:27:34

Local clock offset: 0.13 ms

Remote clock offset: 0.066 ms

Below is generated by plot.py at 2018-06-06 16:59:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 551.04 Mbit/s

95th percentile per-packet one-way delay: 206.980 ms

Loss rate: 2.07%

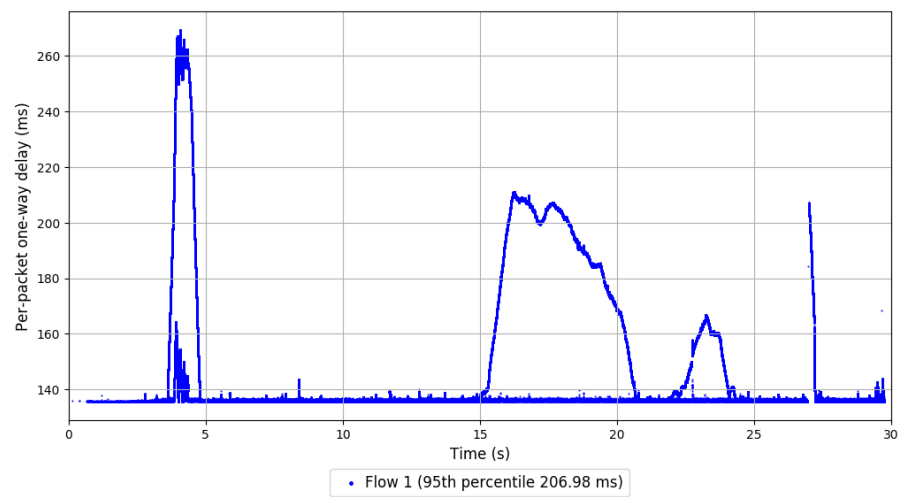
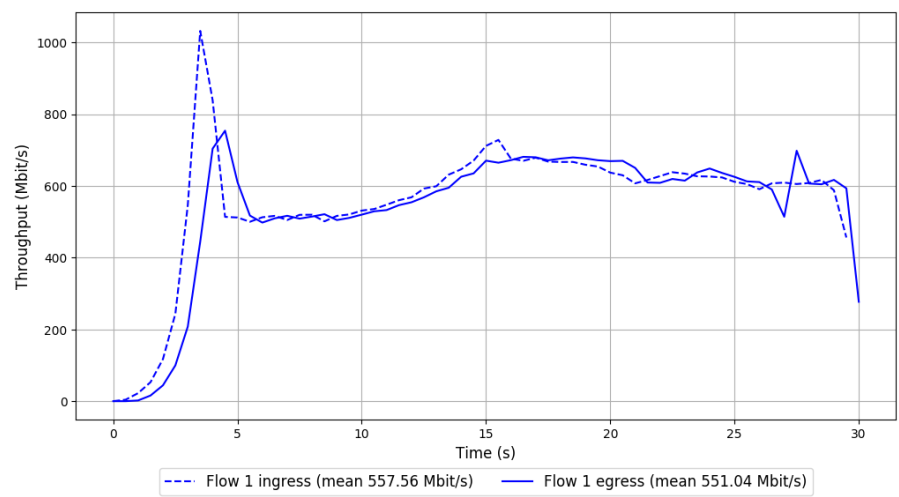
-- Flow 1:

Average throughput: 551.04 Mbit/s

95th percentile per-packet one-way delay: 206.980 ms

Loss rate: 2.07%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-06-06 15:48:27

End at: 2018-06-06 15:48:57

Local clock offset: 0.22 ms

Remote clock offset: 0.144 ms

Below is generated by plot.py at 2018-06-06 17:00:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 567.50 Mbit/s

95th percentile per-packet one-way delay: 235.744 ms

Loss rate: 2.03%

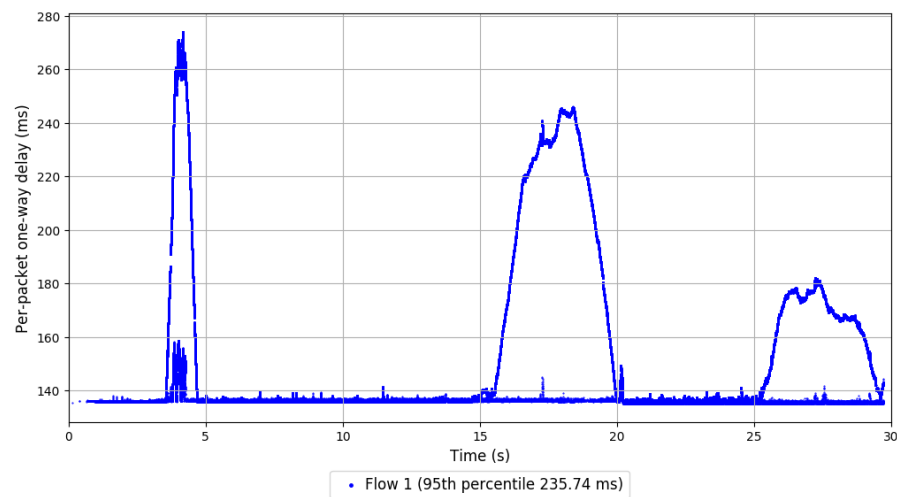
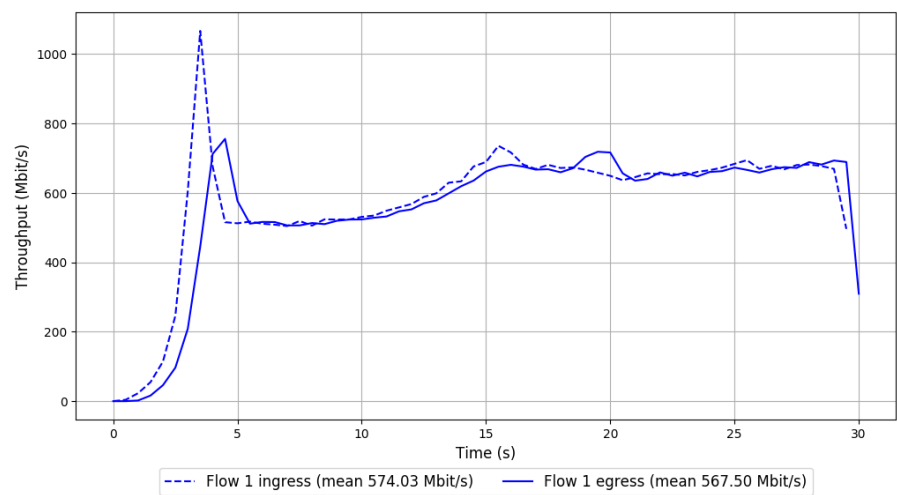
-- Flow 1:

Average throughput: 567.50 Mbit/s

95th percentile per-packet one-way delay: 235.744 ms

Loss rate: 2.03%

Run 10: Report of PCC-Allegro — Data Link

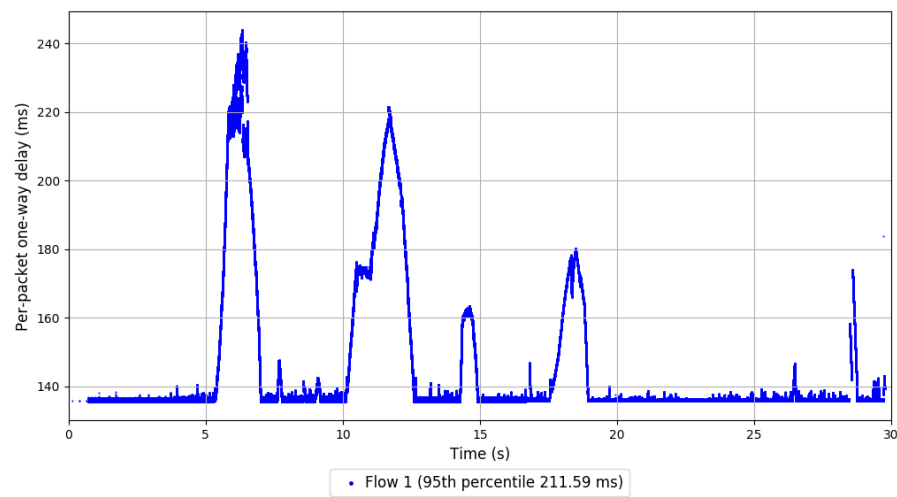
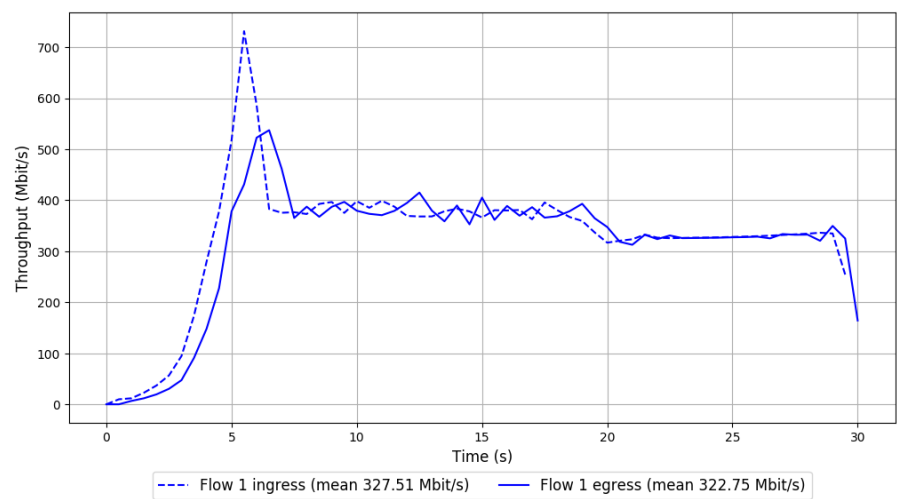


```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-06 12:33:01
End at: 2018-06-06 12:33:31
Local clock offset: 0.045 ms
Remote clock offset: -0.07 ms

# Below is generated by plot.py at 2018-06-06 17:00:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 322.75 Mbit/s
95th percentile per-packet one-way delay: 211.587 ms
Loss rate: 2.35%
-- Flow 1:
Average throughput: 322.75 Mbit/s
95th percentile per-packet one-way delay: 211.587 ms
Loss rate: 2.35%
```

Run 1: Report of PCC-Expr — Data Link

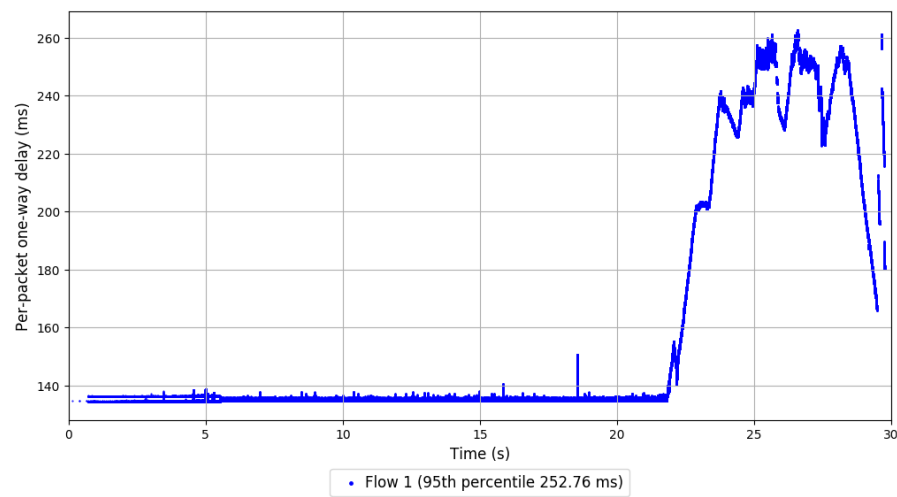
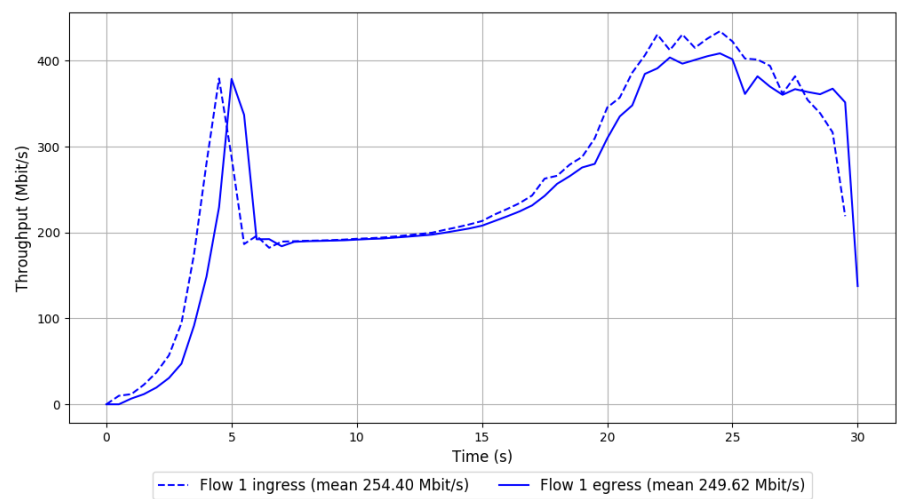


Run 2: Statistics of PCC-Expr

Start at: 2018-06-06 12:54:32
End at: 2018-06-06 12:55:02
Local clock offset: -0.013 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-06-06 17:00:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 249.62 Mbit/s
95th percentile per-packet one-way delay: 252.757 ms
Loss rate: 2.77%
-- Flow 1:
Average throughput: 249.62 Mbit/s
95th percentile per-packet one-way delay: 252.757 ms
Loss rate: 2.77%

Run 2: Report of PCC-Expr — Data Link

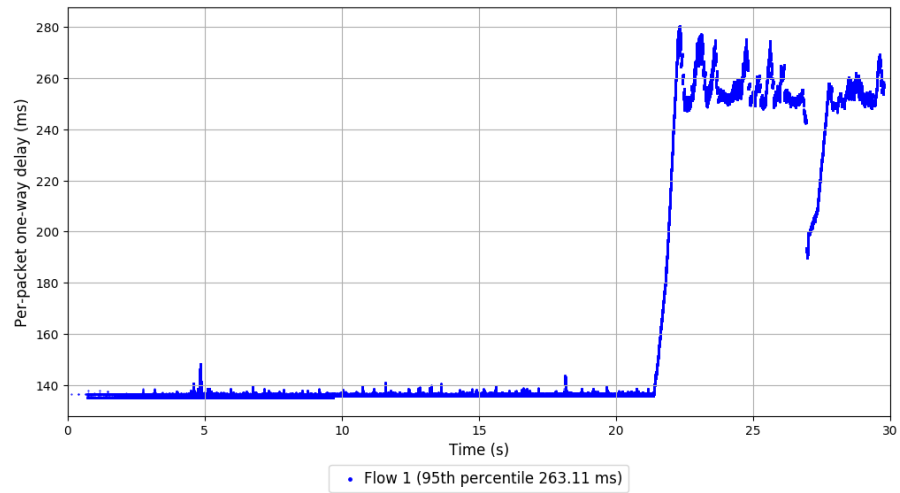
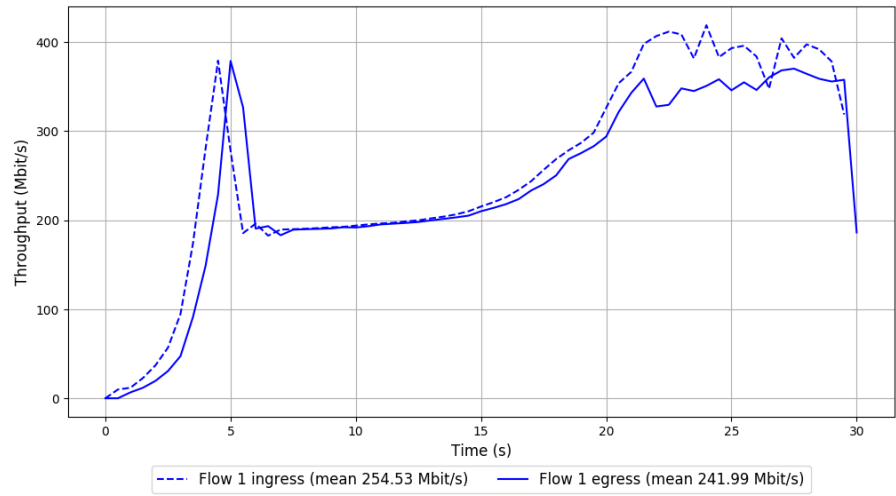


Run 3: Statistics of PCC-Expr

Start at: 2018-06-06 13:15:58
End at: 2018-06-06 13:16:28
Local clock offset: 0.227 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-06-06 17:00:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 241.99 Mbit/s
95th percentile per-packet one-way delay: 263.113 ms
Loss rate: 5.79%
-- Flow 1:
Average throughput: 241.99 Mbit/s
95th percentile per-packet one-way delay: 263.113 ms
Loss rate: 5.79%

Run 3: Report of PCC-Expr — Data Link

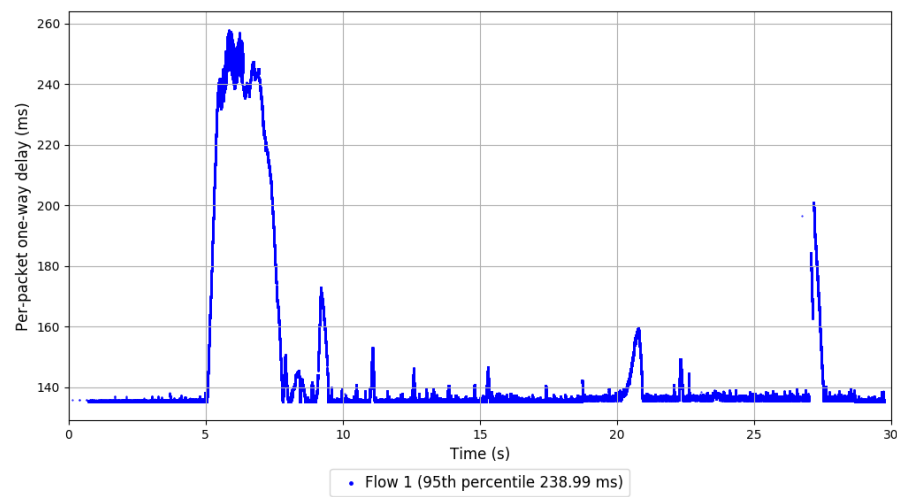
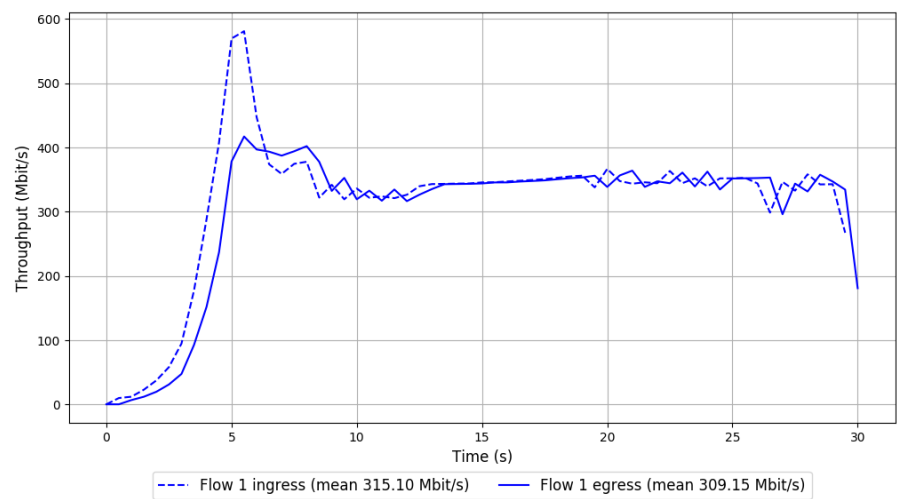


Run 4: Statistics of PCC-Expr

Start at: 2018-06-06 13:37:19
End at: 2018-06-06 13:37:49
Local clock offset: -0.149 ms
Remote clock offset: -0.386 ms

Below is generated by plot.py at 2018-06-06 17:02:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 309.15 Mbit/s
95th percentile per-packet one-way delay: 238.986 ms
Loss rate: 2.78%
-- Flow 1:
Average throughput: 309.15 Mbit/s
95th percentile per-packet one-way delay: 238.986 ms
Loss rate: 2.78%

Run 4: Report of PCC-Expr — Data Link

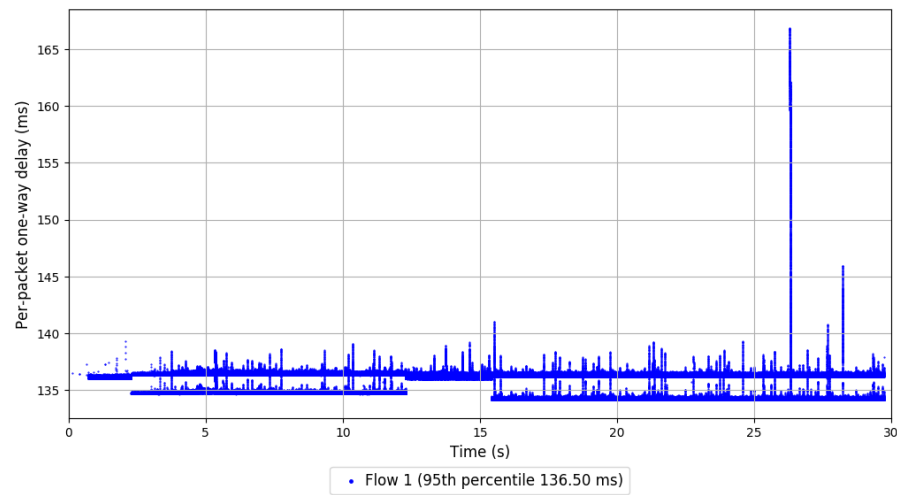
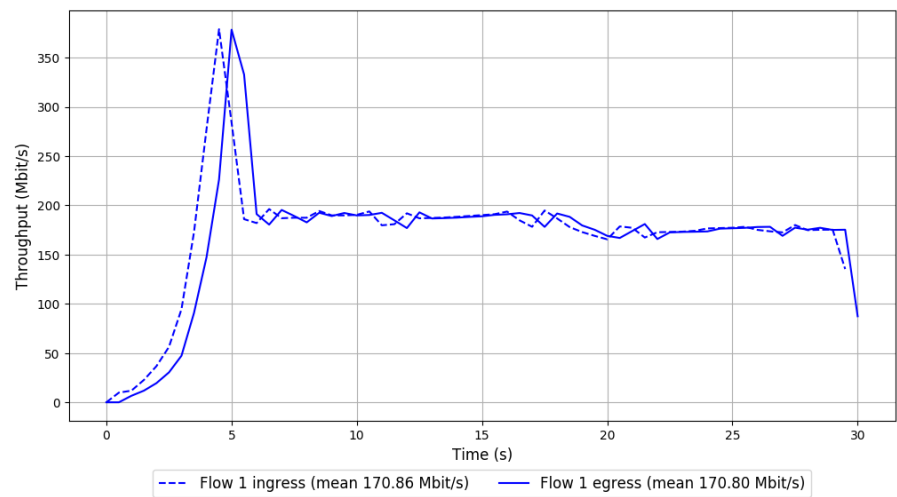


Run 5: Statistics of PCC-Expr

Start at: 2018-06-06 13:58:25
End at: 2018-06-06 13:58:55
Local clock offset: -0.331 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-06-06 17:03:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 170.80 Mbit/s
95th percentile per-packet one-way delay: 136.496 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 170.80 Mbit/s
95th percentile per-packet one-way delay: 136.496 ms
Loss rate: 0.93%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-06-06 14:19:23

End at: 2018-06-06 14:19:53

Local clock offset: -0.048 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-06-06 17:04:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.02 Mbit/s

95th percentile per-packet one-way delay: 135.921 ms

Loss rate: 1.40%

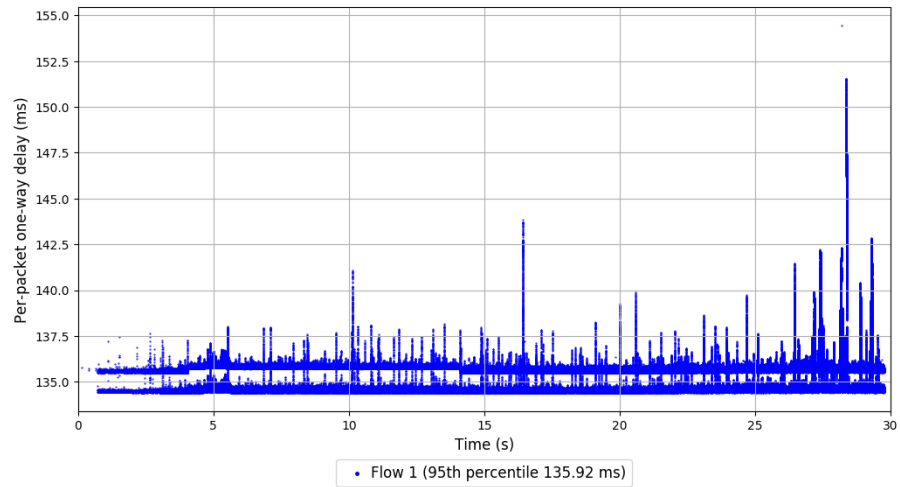
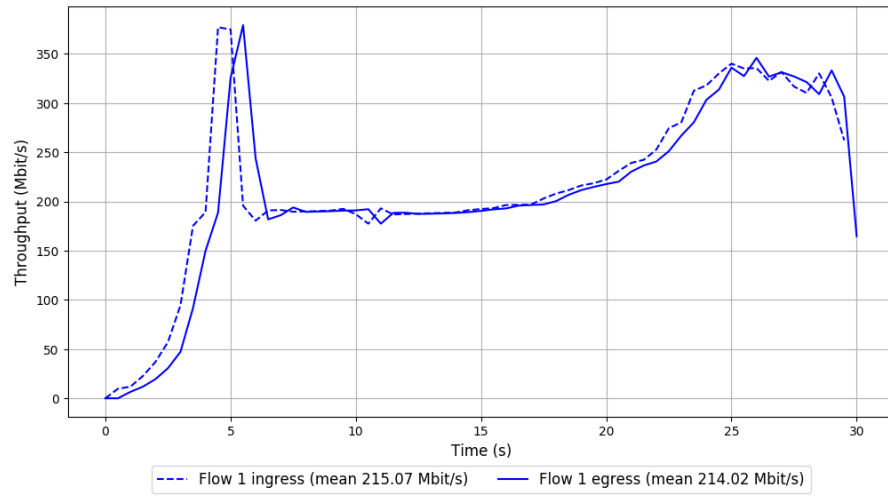
-- Flow 1:

Average throughput: 214.02 Mbit/s

95th percentile per-packet one-way delay: 135.921 ms

Loss rate: 1.40%

Run 6: Report of PCC-Expr — Data Link

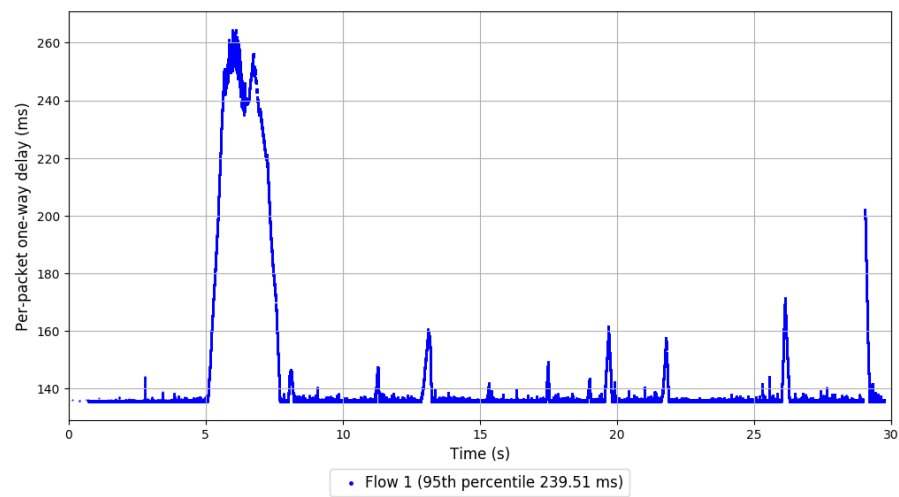
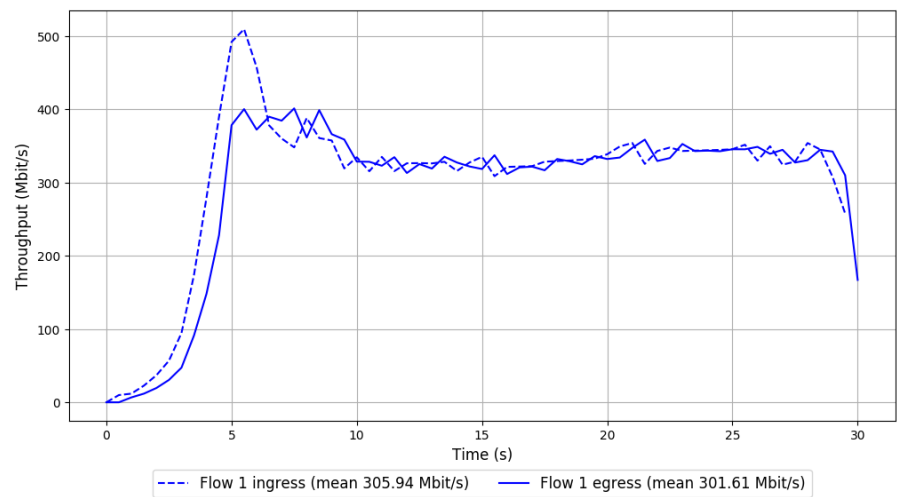


Run 7: Statistics of PCC-Expr

Start at: 2018-06-06 14:41:01
End at: 2018-06-06 14:41:31
Local clock offset: -0.141 ms
Remote clock offset: -0.182 ms

Below is generated by plot.py at 2018-06-06 17:08:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 301.61 Mbit/s
95th percentile per-packet one-way delay: 239.515 ms
Loss rate: 2.32%
-- Flow 1:
Average throughput: 301.61 Mbit/s
95th percentile per-packet one-way delay: 239.515 ms
Loss rate: 2.32%

Run 7: Report of PCC-Expr — Data Link

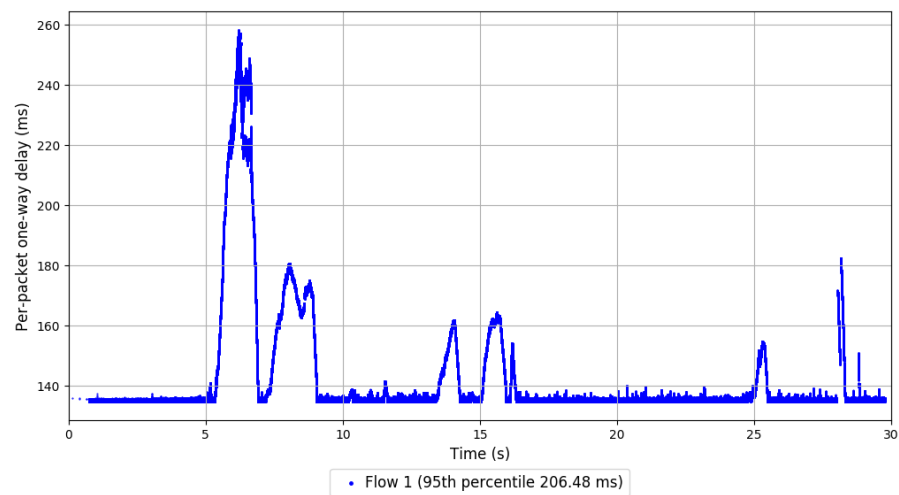
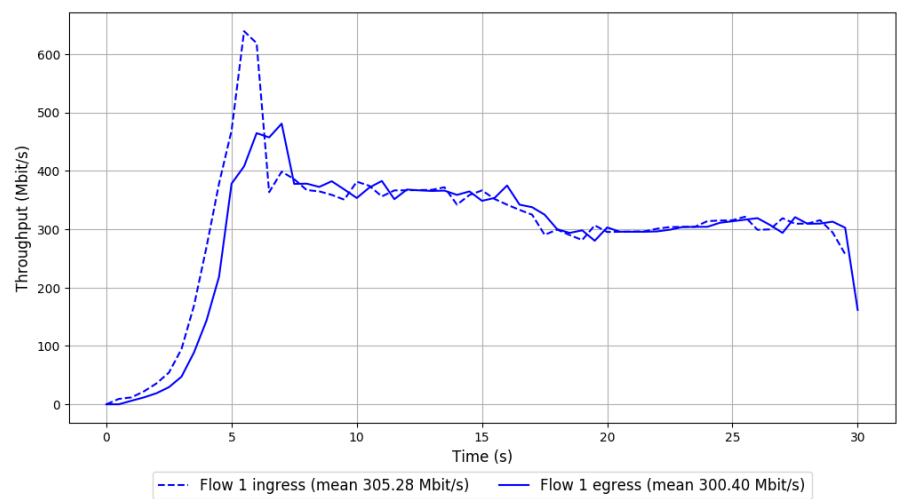


Run 8: Statistics of PCC-Expr

Start at: 2018-06-06 15:02:30
End at: 2018-06-06 15:03:00
Local clock offset: -0.23 ms
Remote clock offset: -0.295 ms

Below is generated by plot.py at 2018-06-06 17:08:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 300.40 Mbit/s
95th percentile per-packet one-way delay: 206.476 ms
Loss rate: 2.50%
-- Flow 1:
Average throughput: 300.40 Mbit/s
95th percentile per-packet one-way delay: 206.476 ms
Loss rate: 2.50%

Run 8: Report of PCC-Expr — Data Link

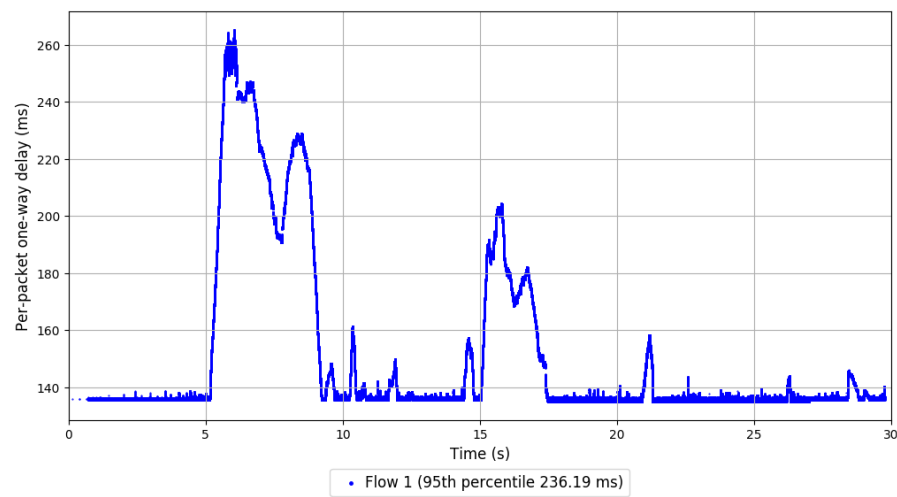
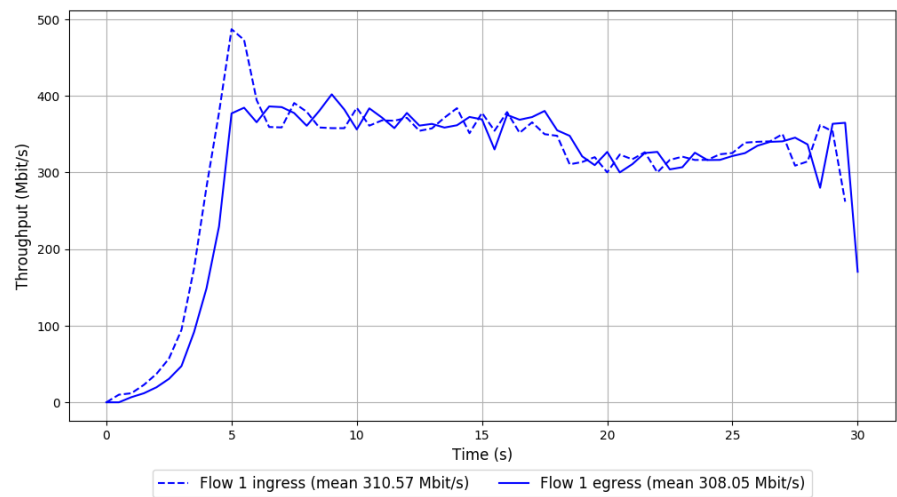


Run 9: Statistics of PCC-Expr

Start at: 2018-06-06 15:24:10
End at: 2018-06-06 15:24:40
Local clock offset: 0.051 ms
Remote clock offset: -0.355 ms

Below is generated by plot.py at 2018-06-06 17:09:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 308.05 Mbit/s
95th percentile per-packet one-way delay: 236.185 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 308.05 Mbit/s
95th percentile per-packet one-way delay: 236.185 ms
Loss rate: 1.71%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-06-06 15:45:29

End at: 2018-06-06 15:45:59

Local clock offset: 0.133 ms

Remote clock offset: 0.169 ms

Below is generated by plot.py at 2018-06-06 17:12:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 356.28 Mbit/s

95th percentile per-packet one-way delay: 184.773 ms

Loss rate: 1.07%

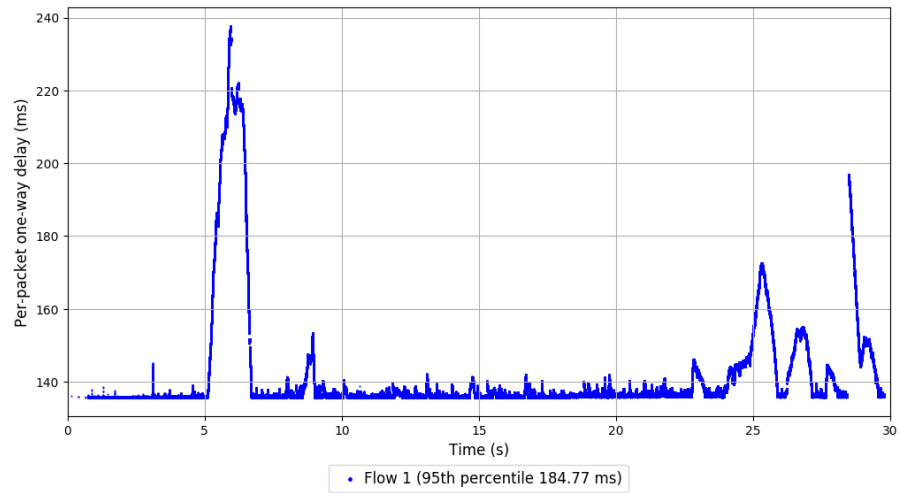
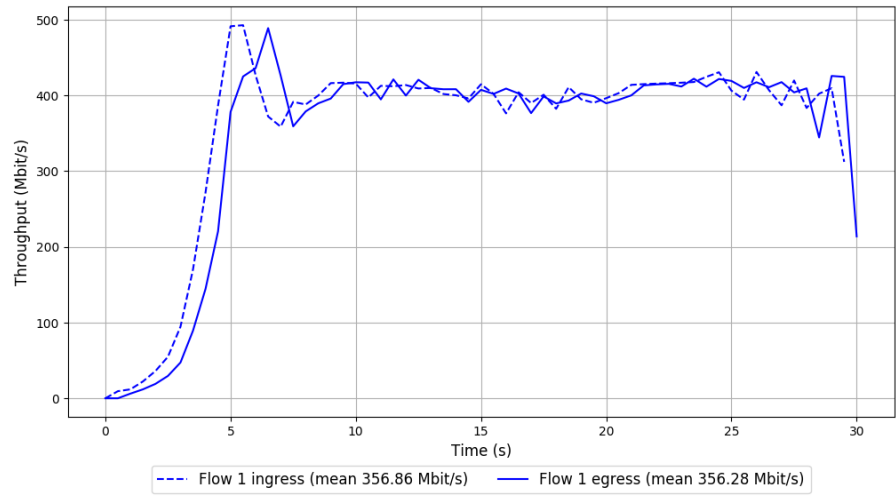
-- Flow 1:

Average throughput: 356.28 Mbit/s

95th percentile per-packet one-way delay: 184.773 ms

Loss rate: 1.07%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-06-06 12:34:41

End at: 2018-06-06 12:35:11

Local clock offset: 0.237 ms

Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-06-06 17:12:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.08 Mbit/s

95th percentile per-packet one-way delay: 136.644 ms

Loss rate: 1.35%

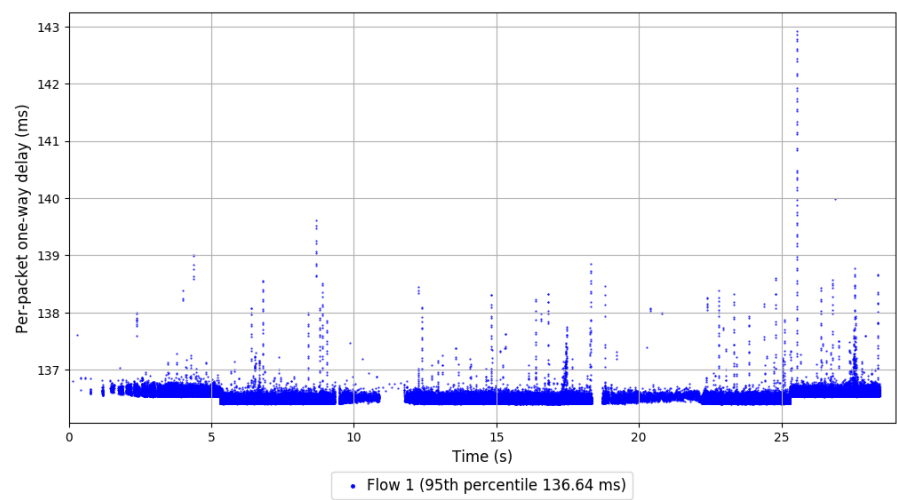
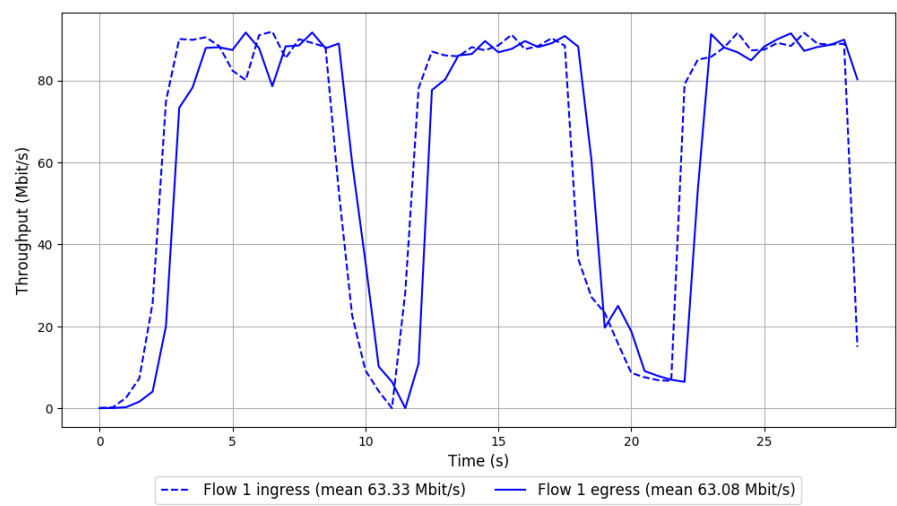
-- Flow 1:

Average throughput: 63.08 Mbit/s

95th percentile per-packet one-way delay: 136.644 ms

Loss rate: 1.35%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-06-06 12:56:05

End at: 2018-06-06 12:56:35

Local clock offset: -0.177 ms

Remote clock offset: -0.459 ms

Below is generated by plot.py at 2018-06-06 17:12:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.48 Mbit/s

95th percentile per-packet one-way delay: 136.071 ms

Loss rate: 1.27%

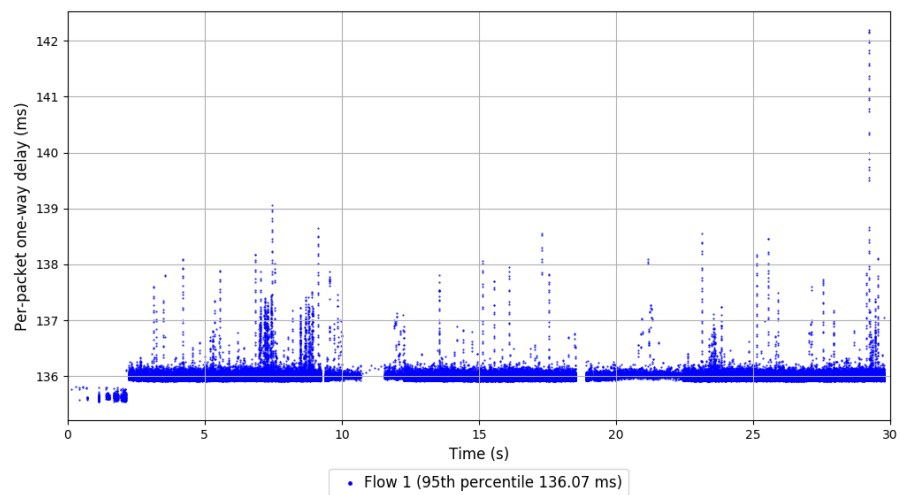
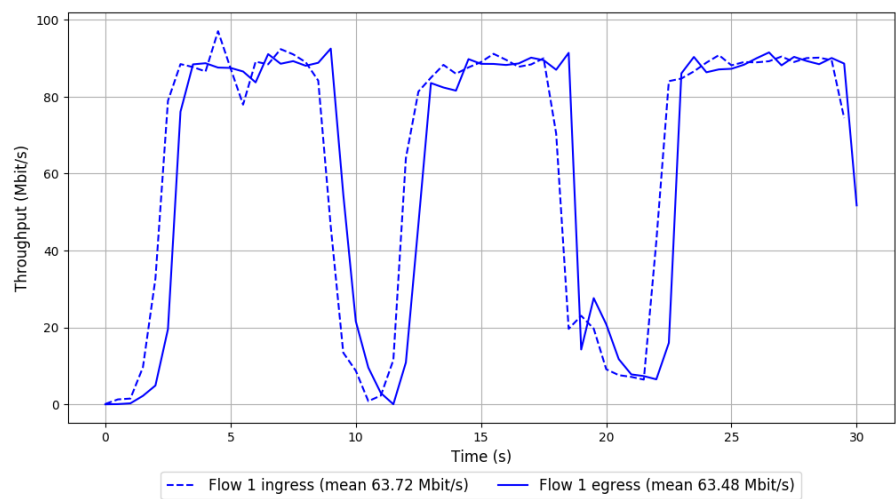
-- Flow 1:

Average throughput: 63.48 Mbit/s

95th percentile per-packet one-way delay: 136.071 ms

Loss rate: 1.27%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-06-06 13:17:31

End at: 2018-06-06 13:18:01

Local clock offset: -0.207 ms

Remote clock offset: 0.31 ms

Below is generated by plot.py at 2018-06-06 17:12:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.44 Mbit/s

95th percentile per-packet one-way delay: 135.585 ms

Loss rate: 1.24%

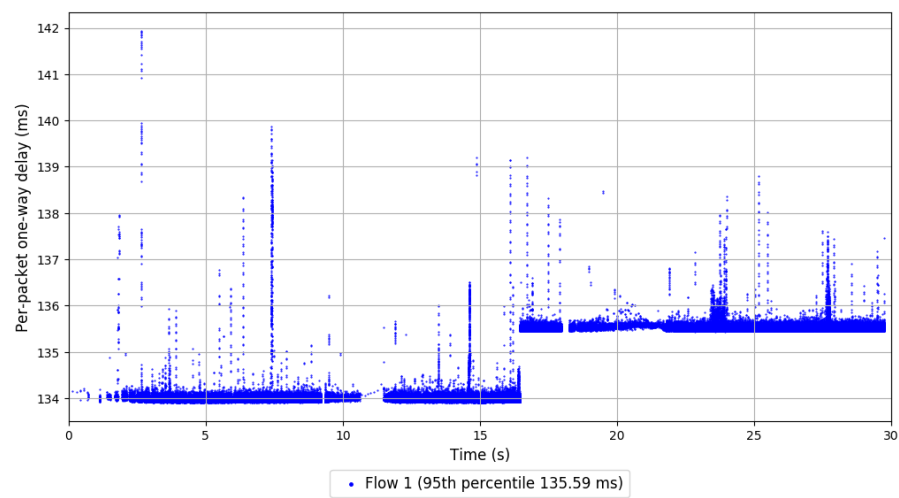
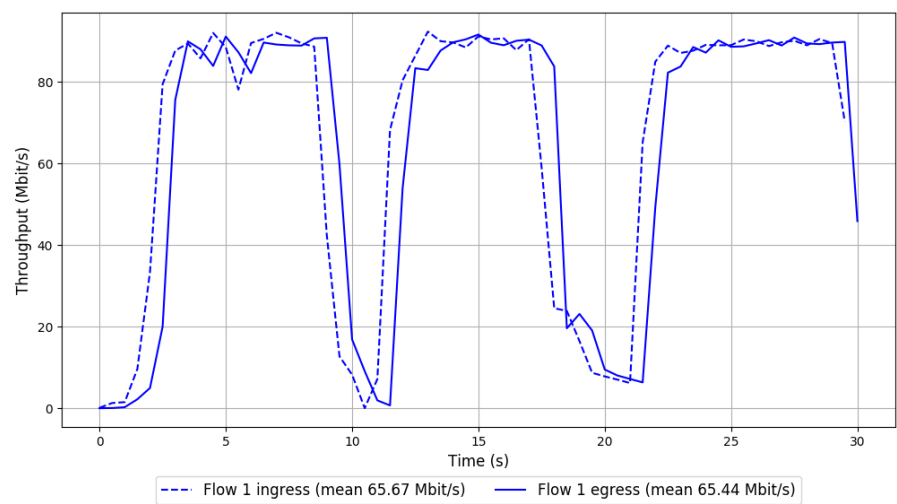
-- Flow 1:

Average throughput: 65.44 Mbit/s

95th percentile per-packet one-way delay: 135.585 ms

Loss rate: 1.24%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-06-06 13:38:59

End at: 2018-06-06 13:39:29

Local clock offset: -0.056 ms

Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-06-06 17:12:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.39 Mbit/s

95th percentile per-packet one-way delay: 136.077 ms

Loss rate: 1.31%

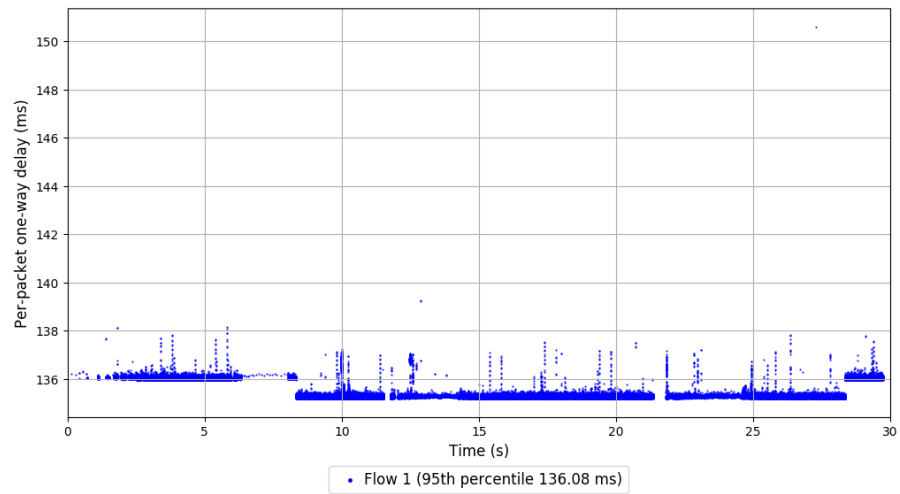
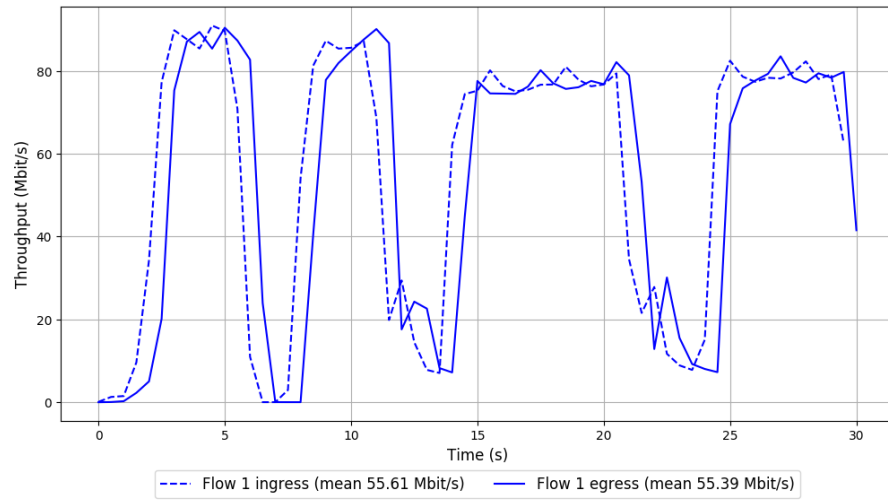
-- Flow 1:

Average throughput: 55.39 Mbit/s

95th percentile per-packet one-way delay: 136.077 ms

Loss rate: 1.31%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-06-06 13:59:51

End at: 2018-06-06 14:00:21

Local clock offset: 0.152 ms

Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-06-06 17:12:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.66 Mbit/s

95th percentile per-packet one-way delay: 136.157 ms

Loss rate: 1.28%

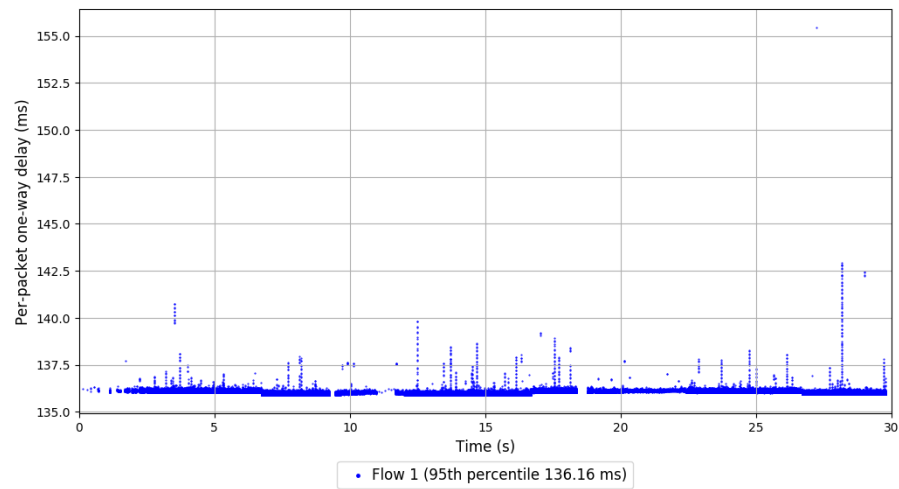
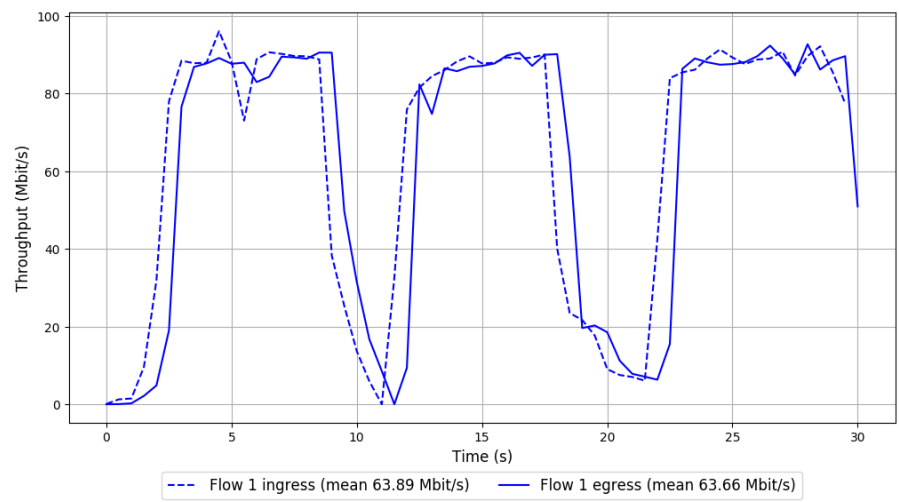
-- Flow 1:

Average throughput: 63.66 Mbit/s

95th percentile per-packet one-way delay: 136.157 ms

Loss rate: 1.28%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-06-06 14:20:53

End at: 2018-06-06 14:21:23

Local clock offset: 0.037 ms

Remote clock offset: -0.378 ms

Below is generated by plot.py at 2018-06-06 17:12:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.65 Mbit/s

95th percentile per-packet one-way delay: 137.185 ms

Loss rate: 1.16%

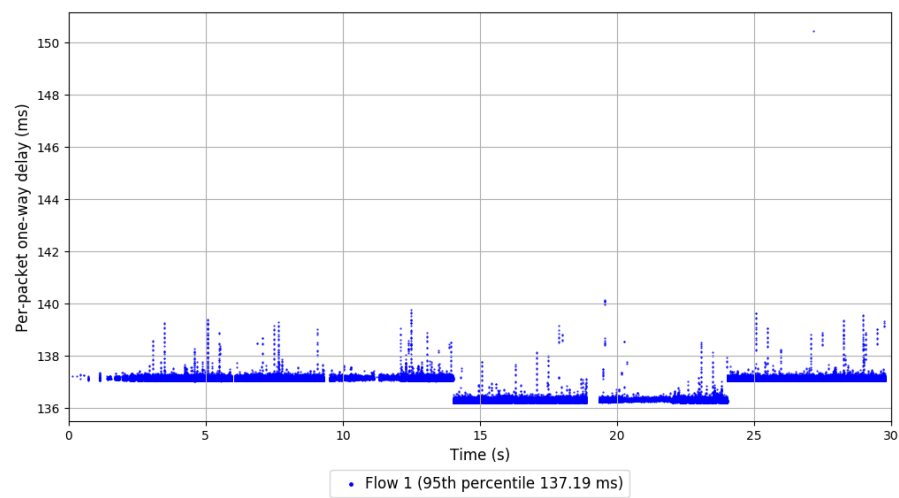
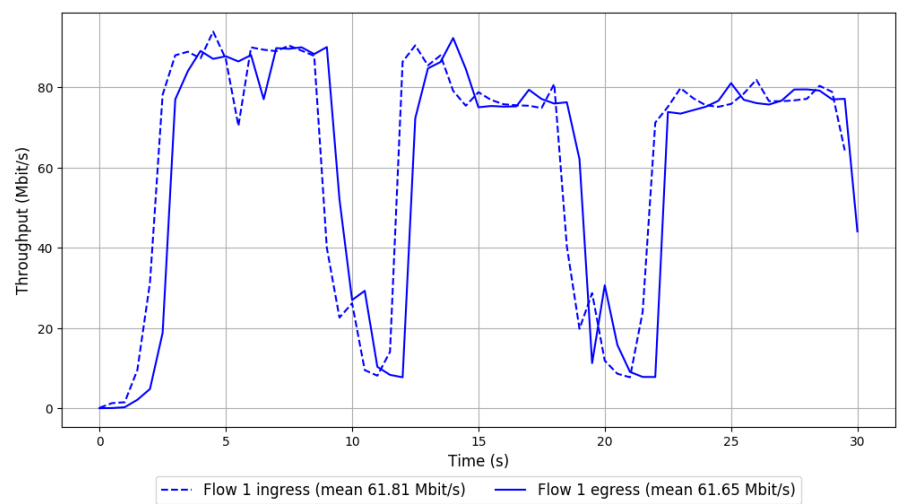
-- Flow 1:

Average throughput: 61.65 Mbit/s

95th percentile per-packet one-way delay: 137.185 ms

Loss rate: 1.16%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-06-06 14:42:40

End at: 2018-06-06 14:43:10

Local clock offset: -0.129 ms

Remote clock offset: 0.15 ms

Below is generated by plot.py at 2018-06-06 17:12:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.76 Mbit/s

95th percentile per-packet one-way delay: 136.232 ms

Loss rate: 1.28%

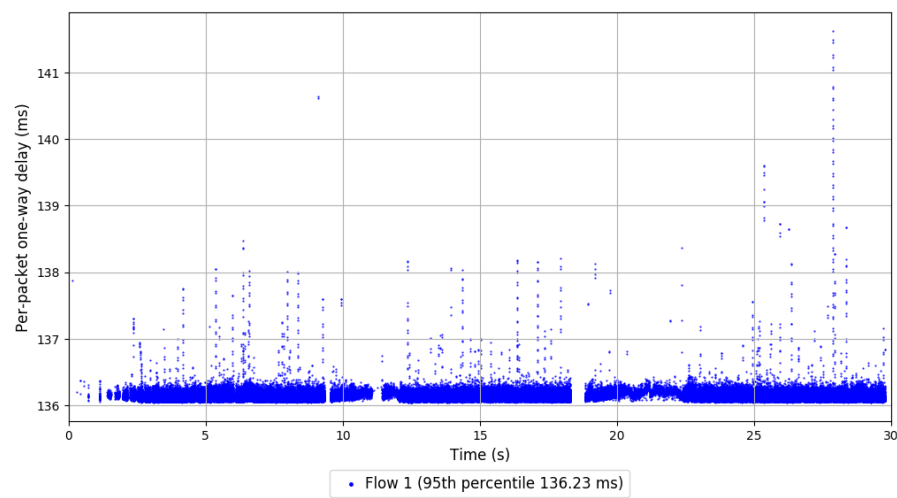
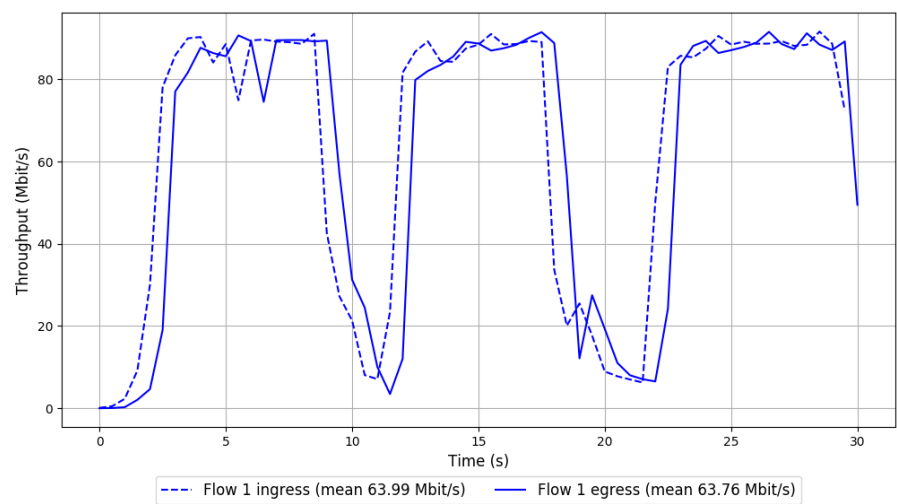
-- Flow 1:

Average throughput: 63.76 Mbit/s

95th percentile per-packet one-way delay: 136.232 ms

Loss rate: 1.28%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-06-06 15:04:09

End at: 2018-06-06 15:04:39

Local clock offset: -0.148 ms

Remote clock offset: 0.072 ms

Below is generated by plot.py at 2018-06-06 17:12:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.54 Mbit/s

95th percentile per-packet one-way delay: 136.308 ms

Loss rate: 1.32%

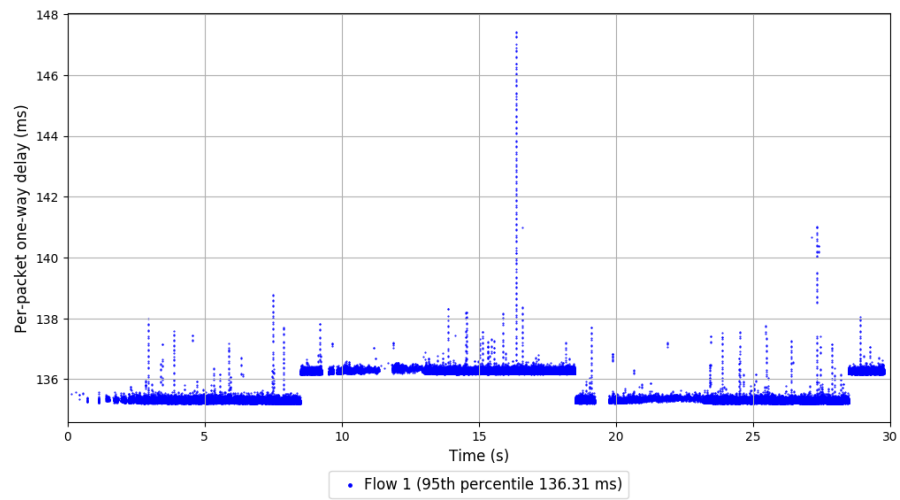
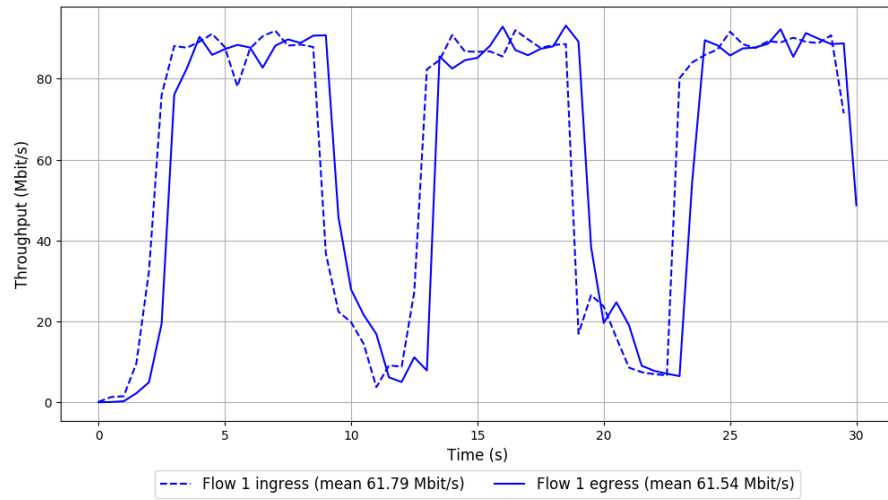
-- Flow 1:

Average throughput: 61.54 Mbit/s

95th percentile per-packet one-way delay: 136.308 ms

Loss rate: 1.32%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-06-06 15:25:50

End at: 2018-06-06 15:26:21

Local clock offset: -0.006 ms

Remote clock offset: 0.043 ms

Below is generated by plot.py at 2018-06-06 17:12:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.90 Mbit/s

95th percentile per-packet one-way delay: 135.806 ms

Loss rate: 1.24%

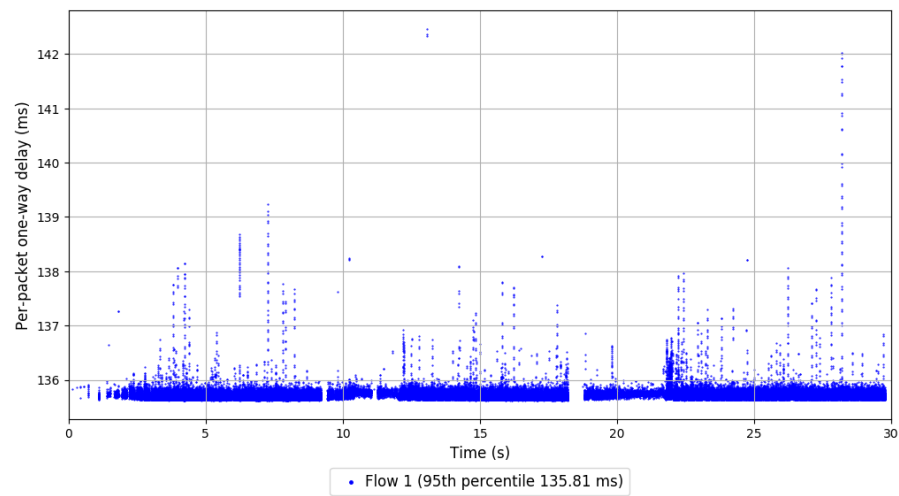
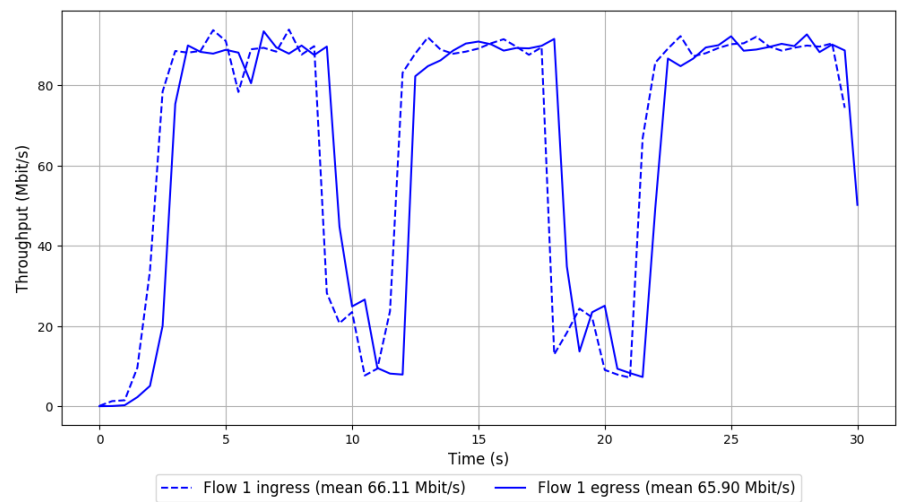
-- Flow 1:

Average throughput: 65.90 Mbit/s

95th percentile per-packet one-way delay: 135.806 ms

Loss rate: 1.24%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-06-06 15:47:14

End at: 2018-06-06 15:47:44

Local clock offset: 0.071 ms

Remote clock offset: 0.217 ms

Below is generated by plot.py at 2018-06-06 17:12:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.09 Mbit/s

95th percentile per-packet one-way delay: 136.644 ms

Loss rate: 1.27%

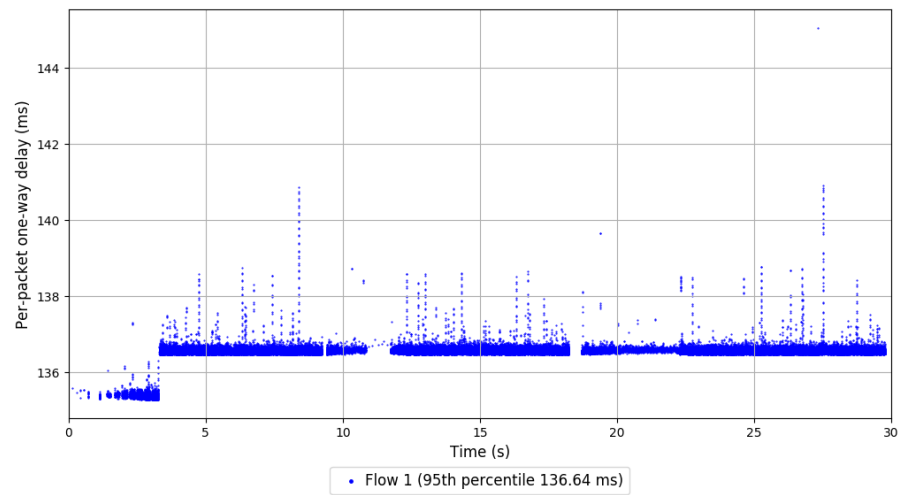
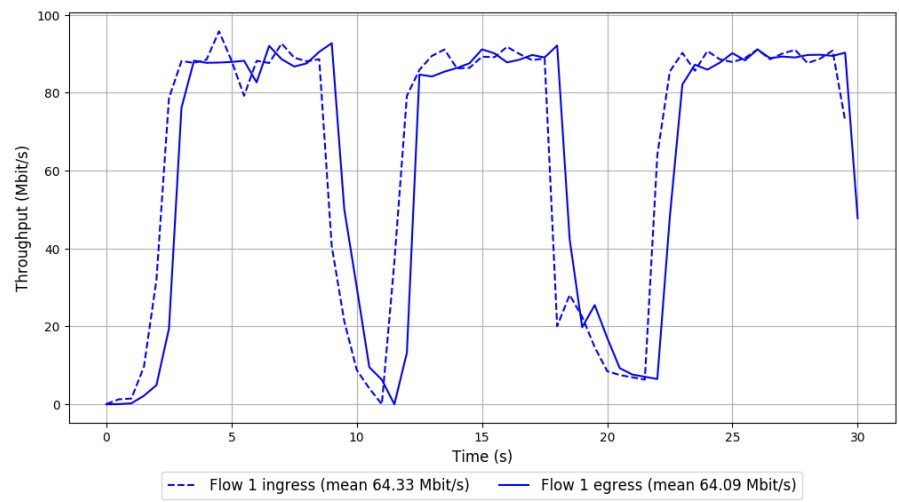
-- Flow 1:

Average throughput: 64.09 Mbit/s

95th percentile per-packet one-way delay: 136.644 ms

Loss rate: 1.27%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2018-06-06 12:26:43

End at: 2018-06-06 12:27:13

Local clock offset: -0.004 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-06-06 17:12:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.648 ms

Loss rate: 0.89%

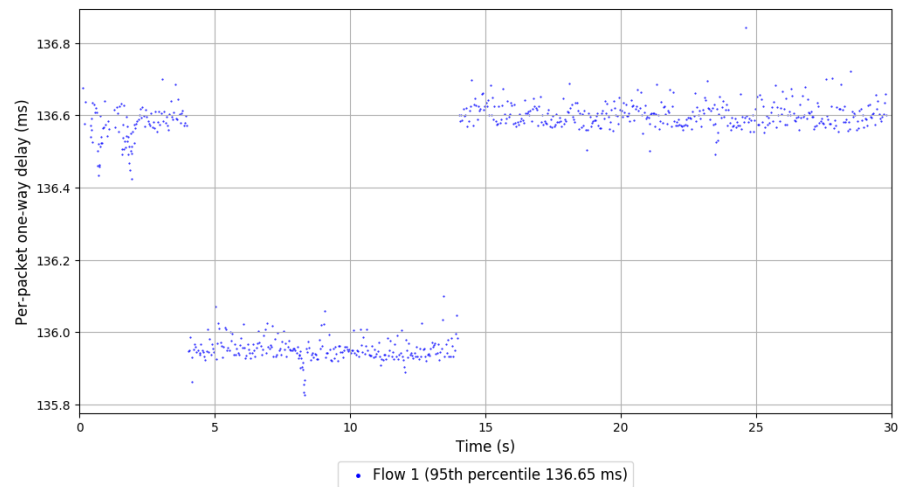
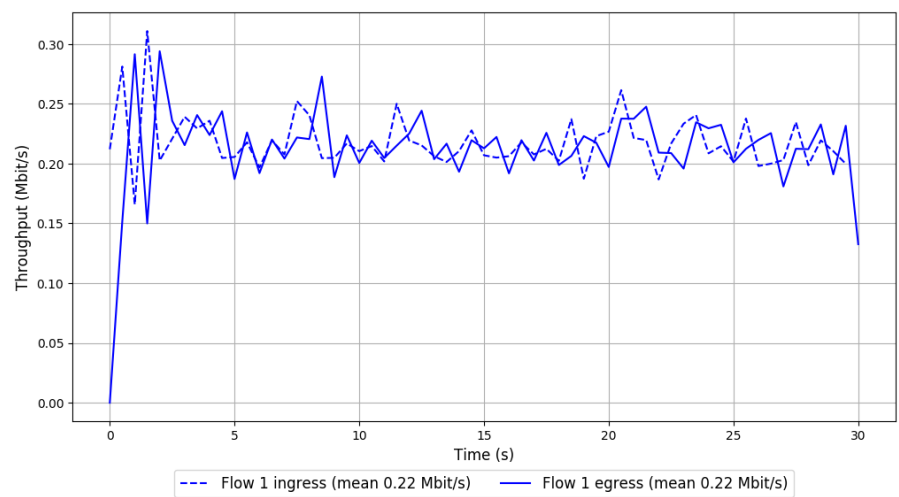
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.648 ms

Loss rate: 0.89%

Run 1: Report of SReAM — Data Link

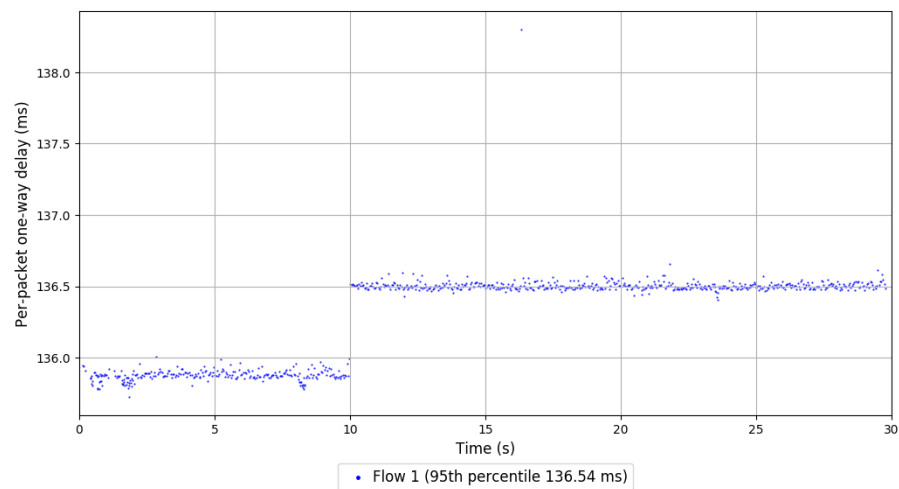
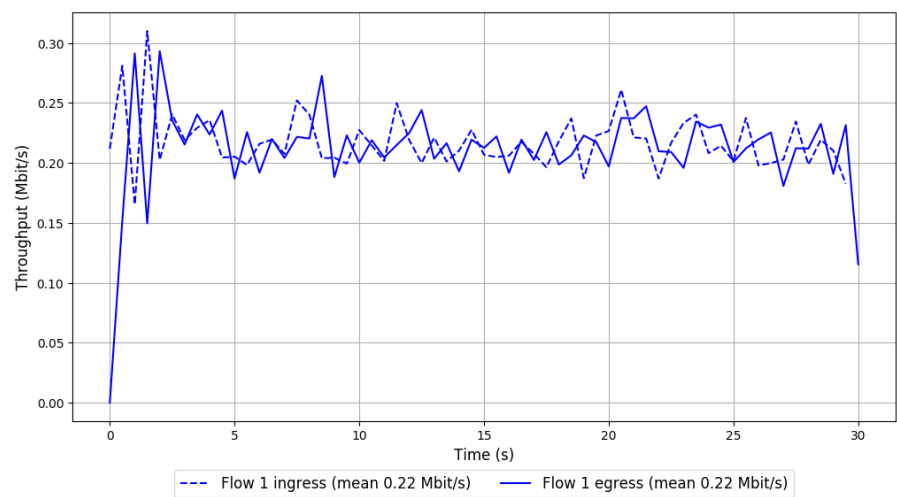


Run 2: Statistics of SCReAM

Start at: 2018-06-06 12:48:07
End at: 2018-06-06 12:48:37
Local clock offset: -0.304 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-06-06 17:12:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.540 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.540 ms
Loss rate: 0.89%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-06-06 13:09:23

End at: 2018-06-06 13:09:53

Local clock offset: 0.214 ms

Remote clock offset: 0.321 ms

Below is generated by plot.py at 2018-06-06 17:13:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.304 ms

Loss rate: 0.89%

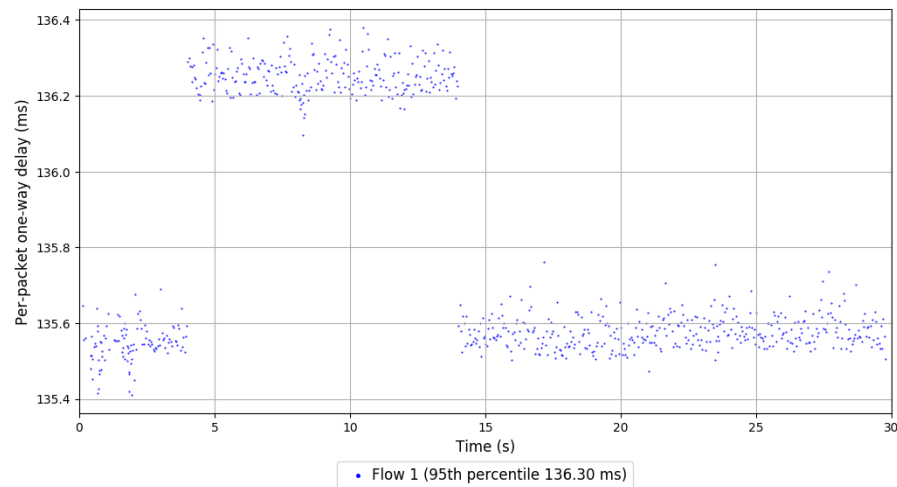
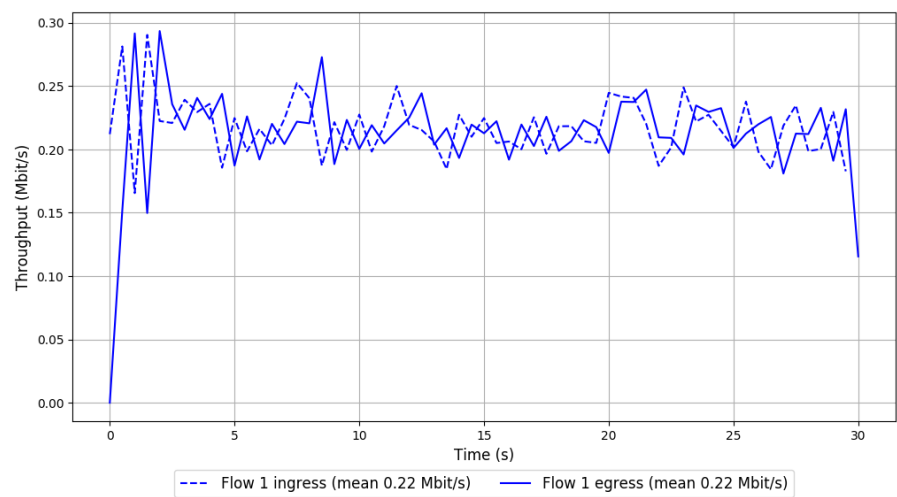
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.304 ms

Loss rate: 0.89%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-06-06 13:30:49

End at: 2018-06-06 13:31:19

Local clock offset: -0.068 ms

Remote clock offset: 0.359 ms

Below is generated by plot.py at 2018-06-06 17:13:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.831 ms

Loss rate: 0.89%

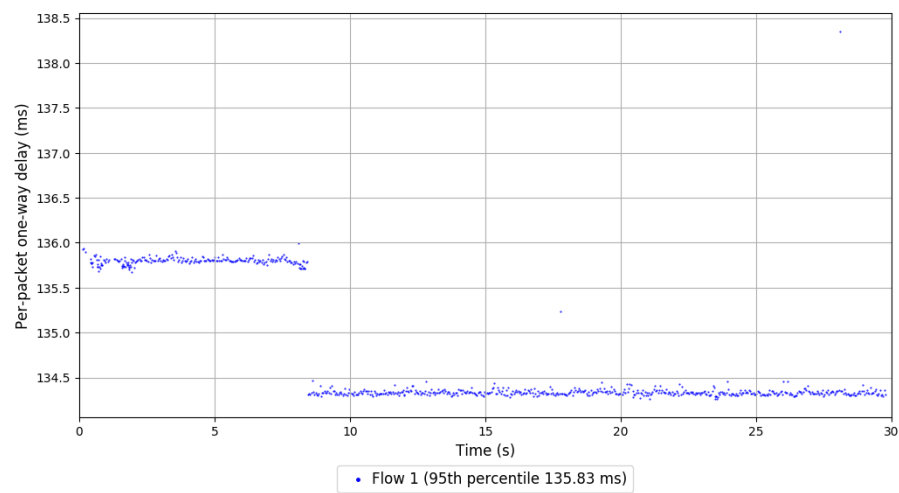
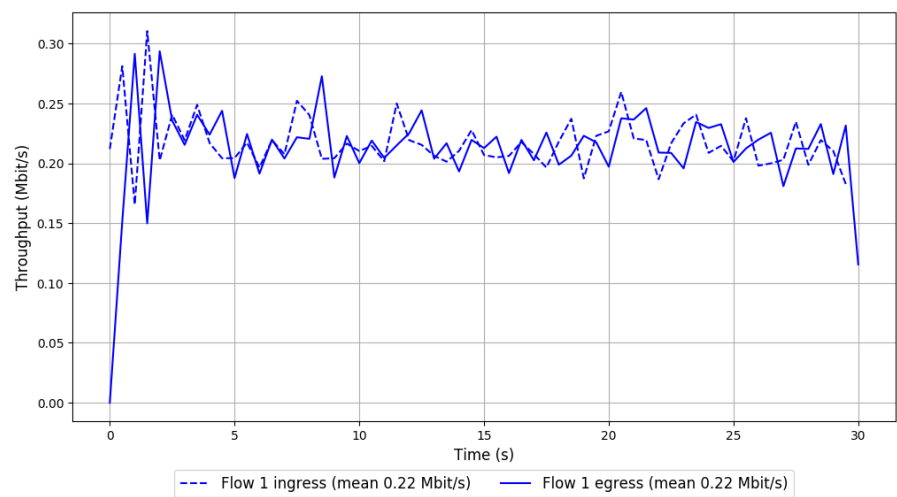
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.831 ms

Loss rate: 0.89%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-06-06 13:52:14

End at: 2018-06-06 13:52:44

Local clock offset: -0.121 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-06-06 17:13:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.862 ms

Loss rate: 0.89%

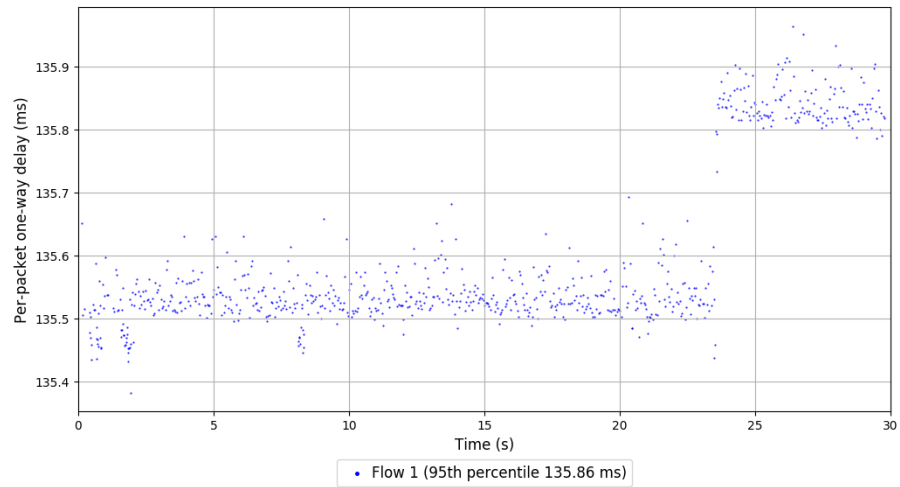
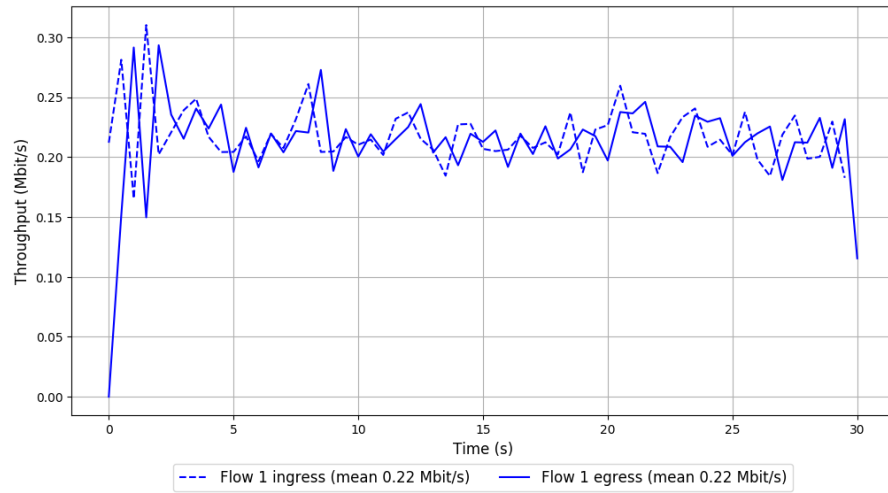
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.862 ms

Loss rate: 0.89%

Run 5: Report of SReAM — Data Link

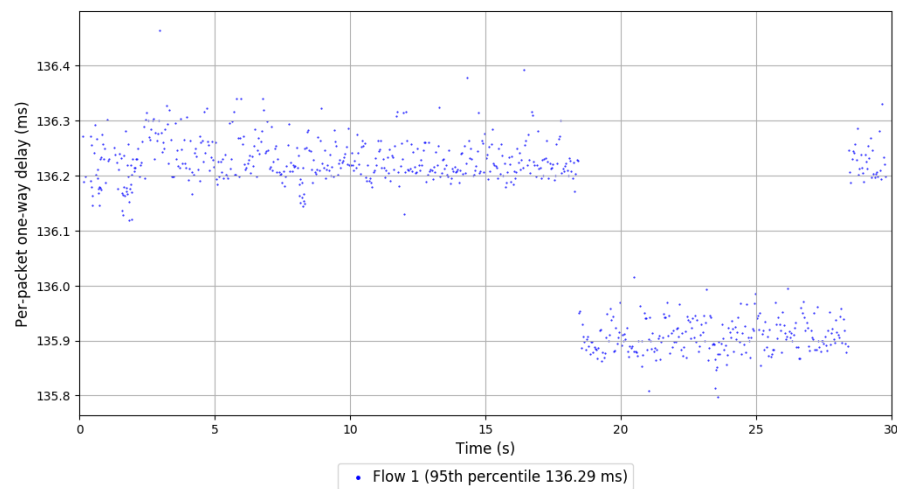
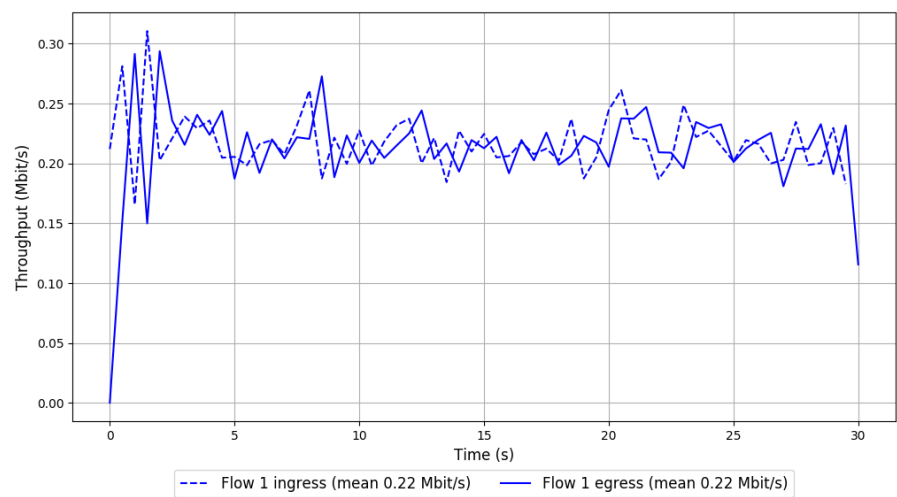


Run 6: Statistics of SCReAM

Start at: 2018-06-06 14:13:19
End at: 2018-06-06 14:13:49
Local clock offset: -0.114 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-06-06 17:13:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.293 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.293 ms
Loss rate: 0.89%

Run 6: Report of SReAM — Data Link

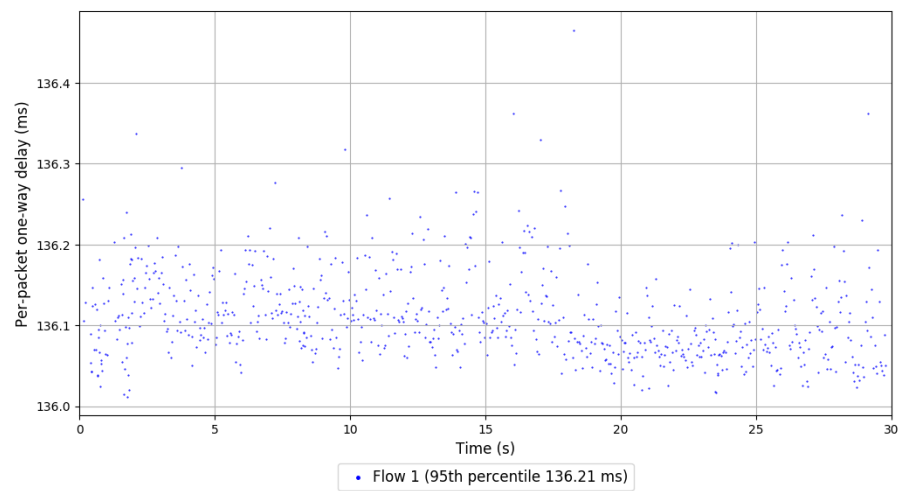
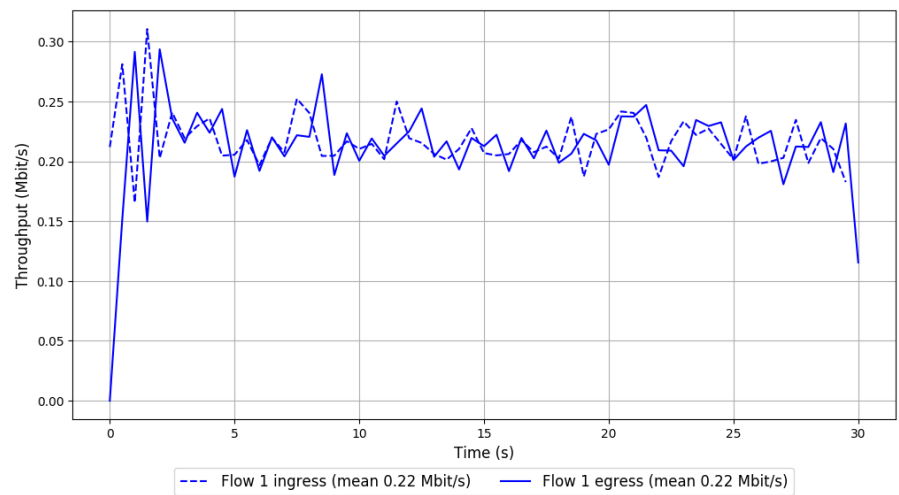


Run 7: Statistics of SCReAM

Start at: 2018-06-06 14:34:17
End at: 2018-06-06 14:34:47
Local clock offset: 0.037 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-06-06 17:13:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.209 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.209 ms
Loss rate: 0.89%

Run 7: Report of SReAM — Data Link

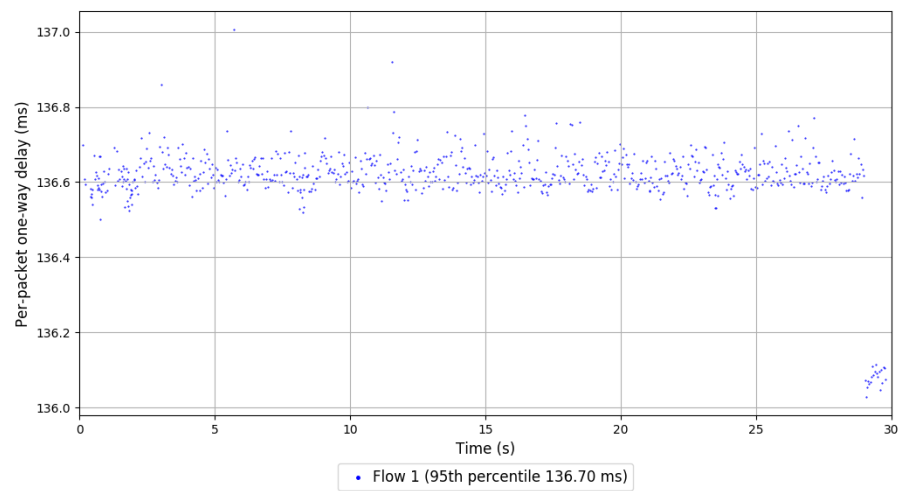
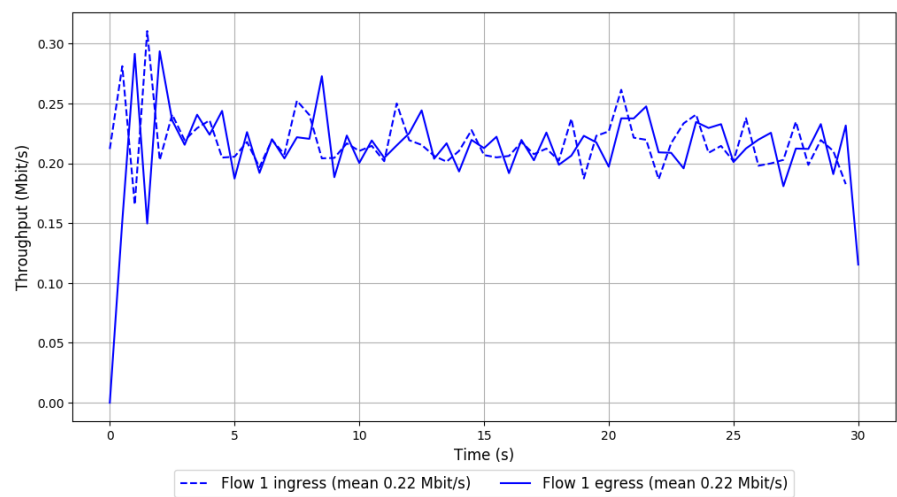


Run 8: Statistics of SCReAM

Start at: 2018-06-06 14:55:58
End at: 2018-06-06 14:56:28
Local clock offset: 0.014 ms
Remote clock offset: -0.662 ms

Below is generated by plot.py at 2018-06-06 17:13:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.699 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.699 ms
Loss rate: 0.89%

Run 8: Report of SReAM — Data Link

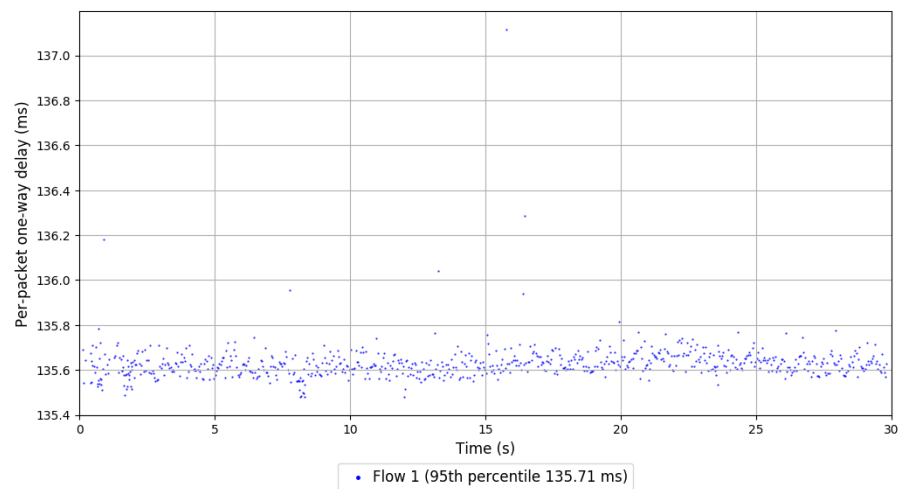
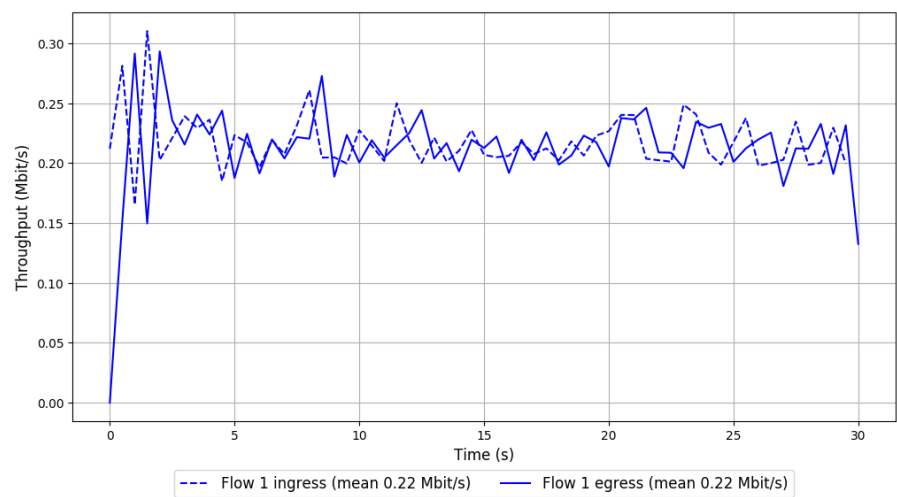


Run 9: Statistics of SCReAM

Start at: 2018-06-06 15:17:32
End at: 2018-06-06 15:18:02
Local clock offset: 0.014 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-06-06 17:13:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.711 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.711 ms
Loss rate: 0.89%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-06-06 15:39:07

End at: 2018-06-06 15:39:37

Local clock offset: -0.126 ms

Remote clock offset: 0.156 ms

Below is generated by plot.py at 2018-06-06 17:13:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.088 ms

Loss rate: 0.89%

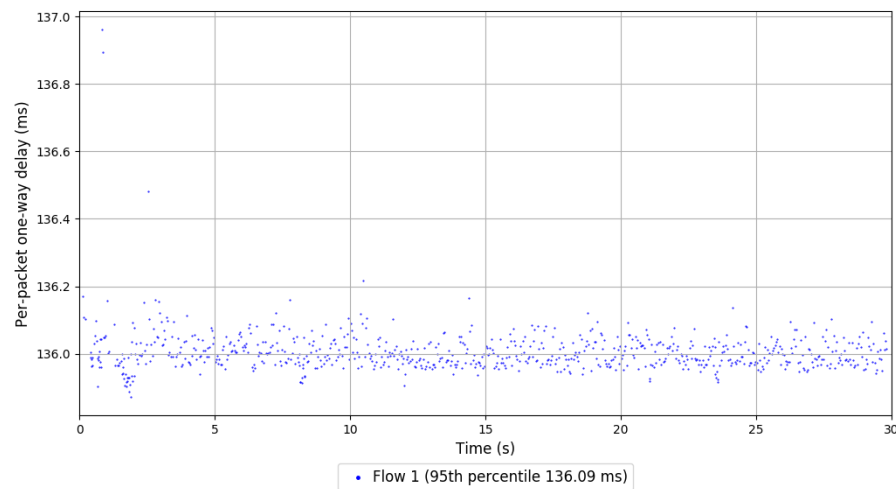
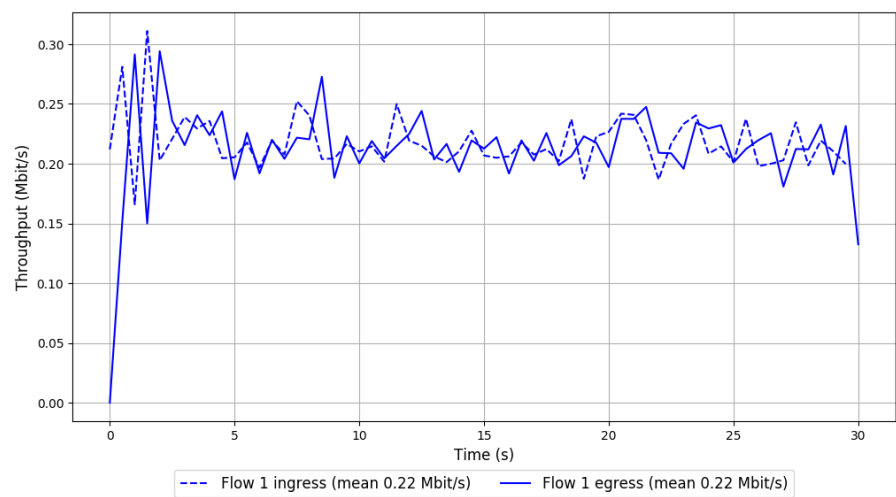
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.088 ms

Loss rate: 0.89%

Run 10: Report of SReAM — Data Link

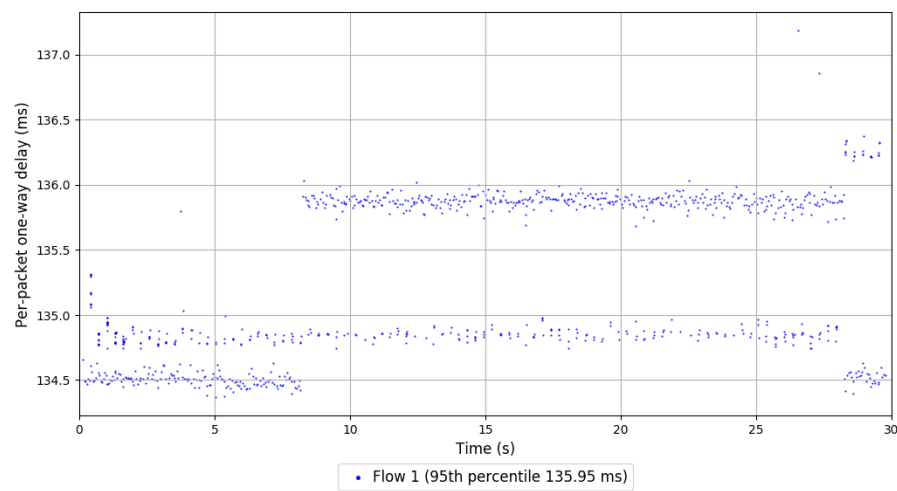
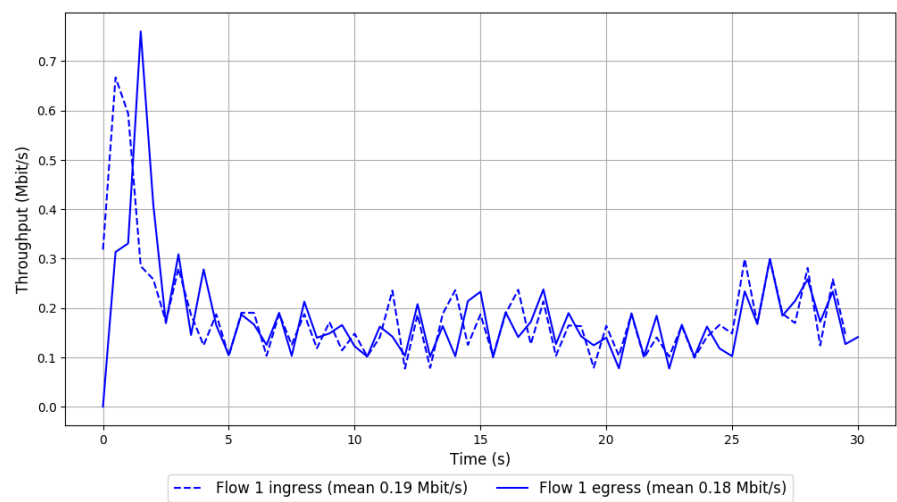


Run 1: Statistics of Sprout

Start at: 2018-06-06 12:46:59
End at: 2018-06-06 12:47:29
Local clock offset: -0.187 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-06-06 17:13:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 135.953 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 135.953 ms
Loss rate: 1.28%

Run 1: Report of Sprout — Data Link

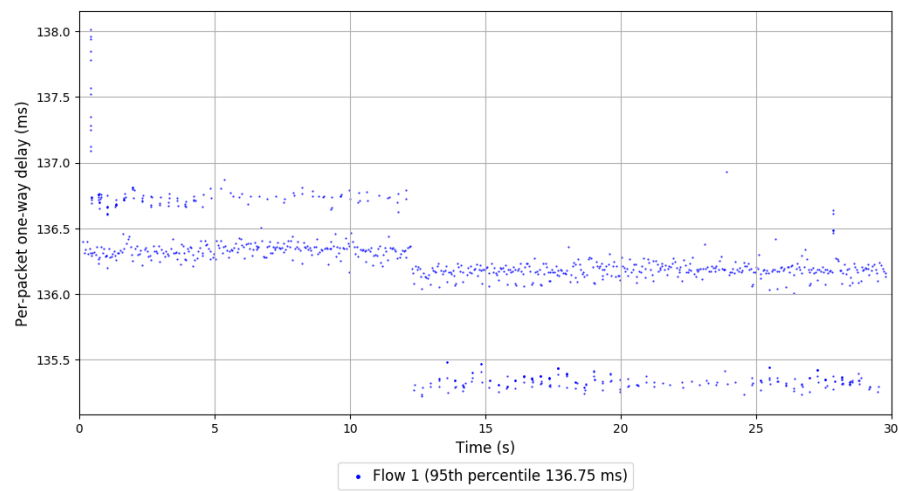
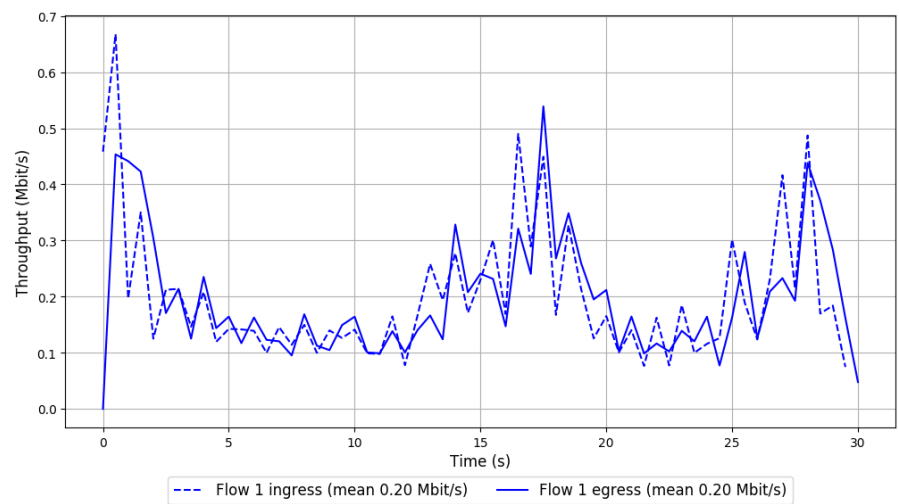


Run 2: Statistics of Sprout

Start at: 2018-06-06 13:08:15
End at: 2018-06-06 13:08:45
Local clock offset: 0.302 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-06-06 17:13:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 136.747 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 136.747 ms
Loss rate: 0.45%

Run 2: Report of Sprout — Data Link

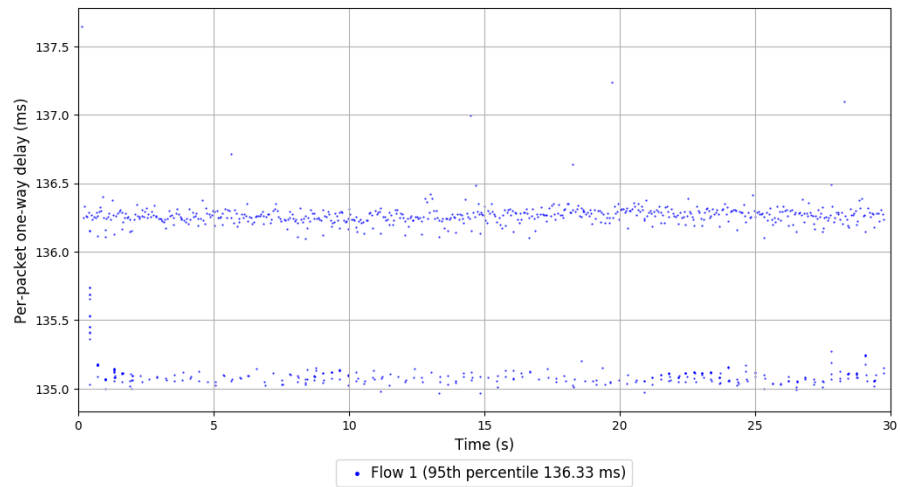
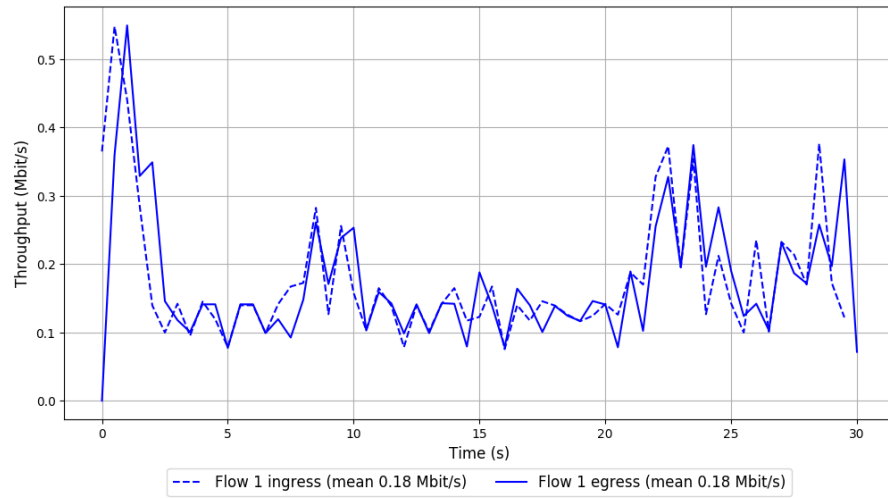


Run 3: Statistics of Sprout

Start at: 2018-06-06 13:29:41
End at: 2018-06-06 13:30:11
Local clock offset: -0.081 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-06-06 17:13:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.330 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.330 ms
Loss rate: 0.50%

Run 3: Report of Sprout — Data Link

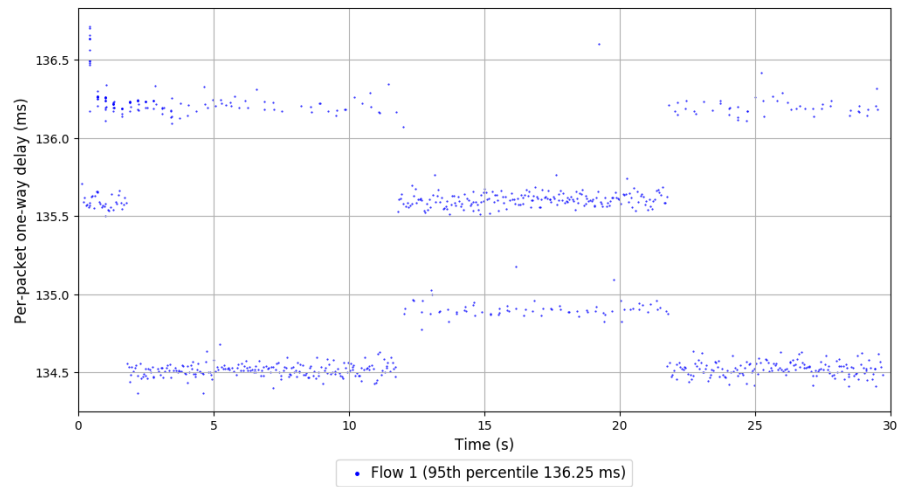
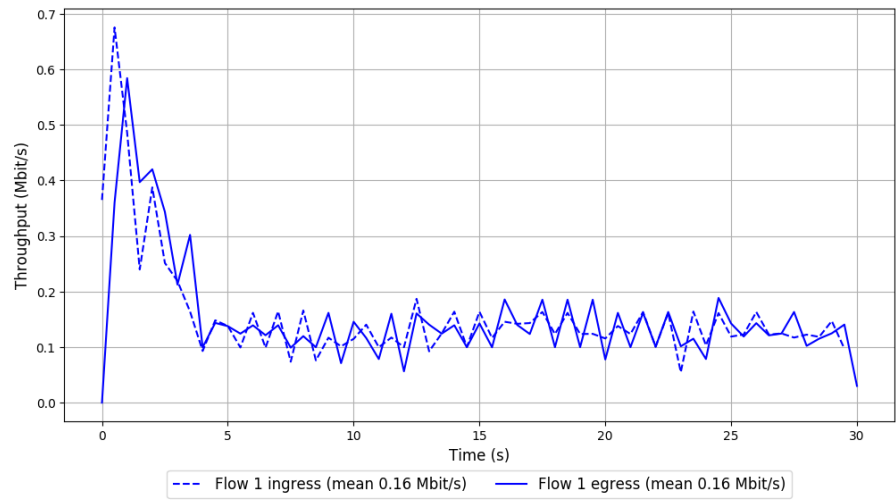


Run 4: Statistics of Sprout

Start at: 2018-06-06 13:51:05
End at: 2018-06-06 13:51:35
Local clock offset: -0.292 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-06-06 17:13:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.245 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.245 ms
Loss rate: 1.00%

Run 4: Report of Sprout — Data Link

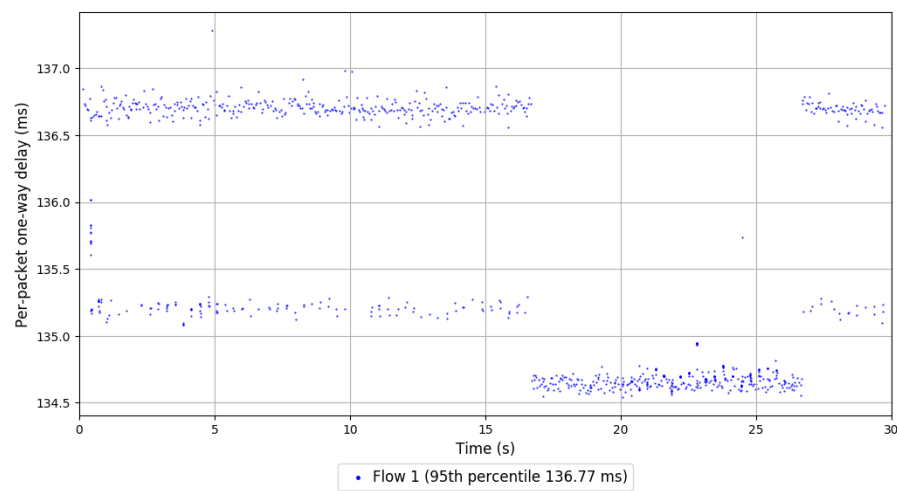
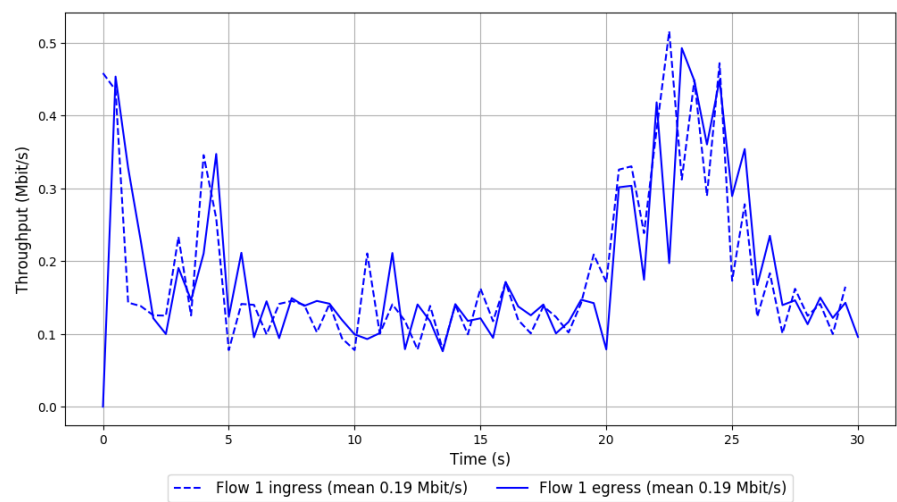


Run 5: Statistics of Sprout

Start at: 2018-06-06 14:12:11
End at: 2018-06-06 14:12:41
Local clock offset: -0.009 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-06-06 17:13:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 136.768 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 136.768 ms
Loss rate: 0.64%

Run 5: Report of Sprout — Data Link

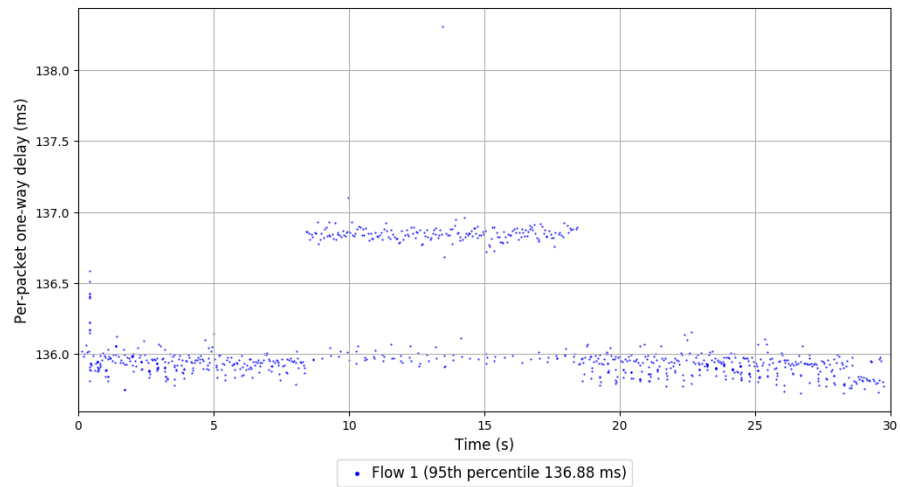
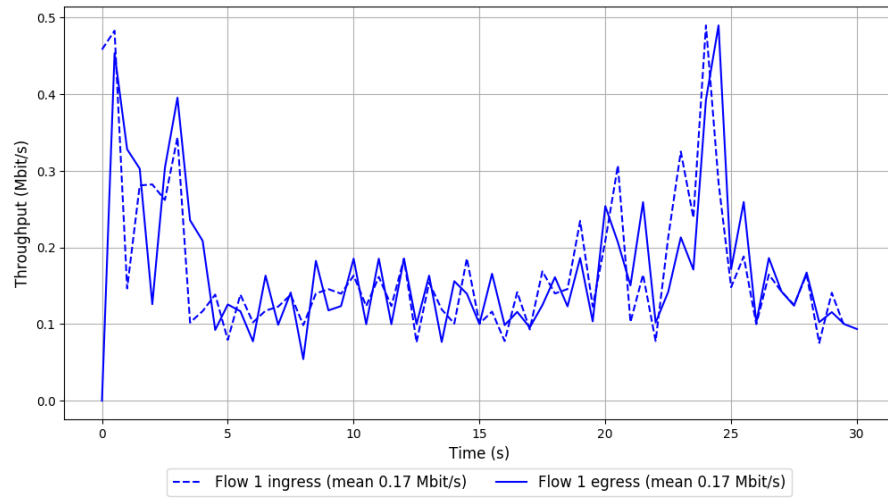


Run 6: Statistics of Sprout

Start at: 2018-06-06 14:33:09
End at: 2018-06-06 14:33:39
Local clock offset: -0.087 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-06-06 17:13:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.877 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.877 ms
Loss rate: 0.68%

Run 6: Report of Sprout — Data Link

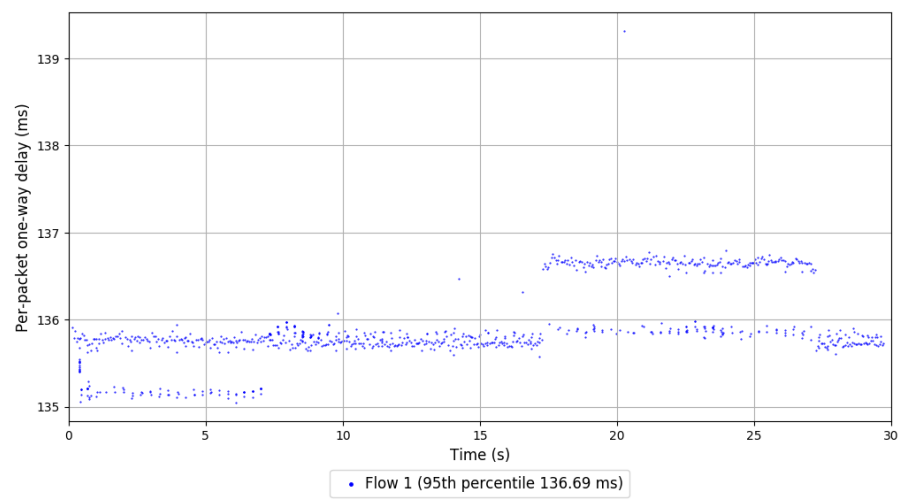
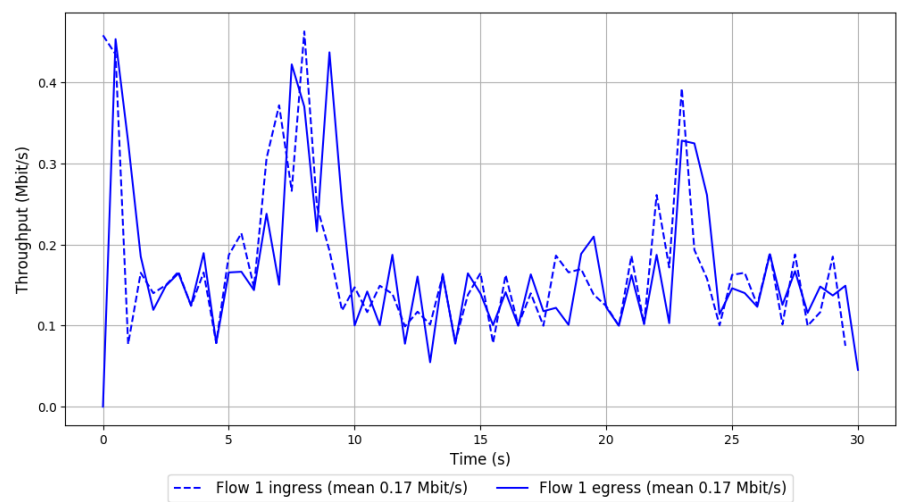


Run 7: Statistics of Sprout

Start at: 2018-06-06 14:54:50
End at: 2018-06-06 14:55:20
Local clock offset: -0.124 ms
Remote clock offset: -0.299 ms

Below is generated by plot.py at 2018-06-06 17:13:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.685 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.685 ms
Loss rate: 0.70%

Run 7: Report of Sprout — Data Link

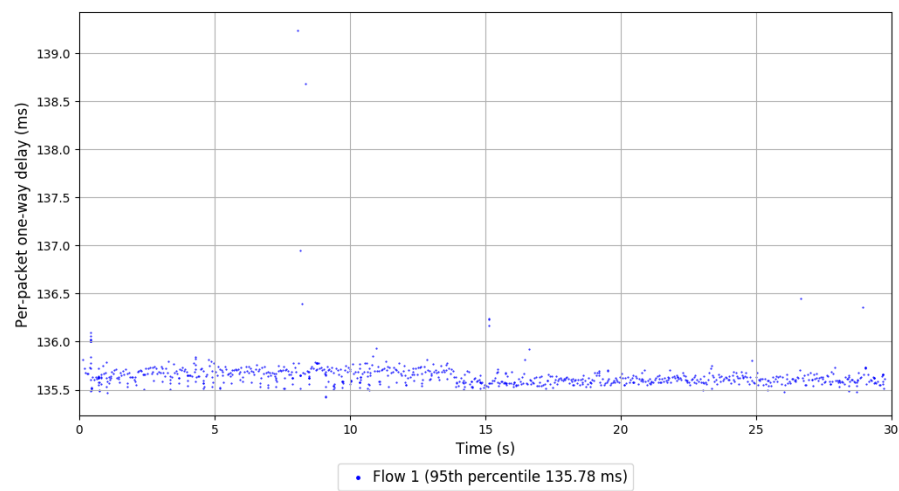
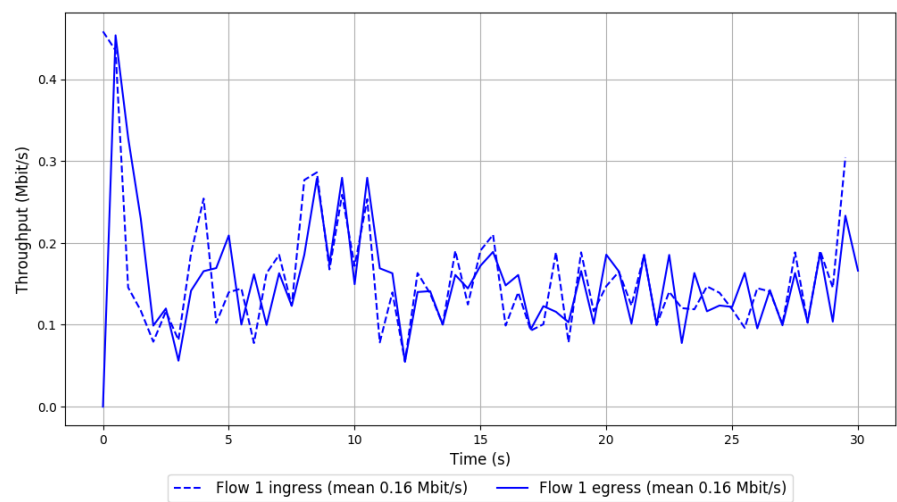


Run 8: Statistics of Sprout

Start at: 2018-06-06 15:16:23
End at: 2018-06-06 15:16:53
Local clock offset: -0.222 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-06-06 17:13:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 135.775 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 135.775 ms
Loss rate: 1.48%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-06-06 15:37:59

End at: 2018-06-06 15:38:29

Local clock offset: 0.315 ms

Remote clock offset: 0.158 ms

Below is generated by plot.py at 2018-06-06 17:13:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 136.173 ms

Loss rate: 0.27%

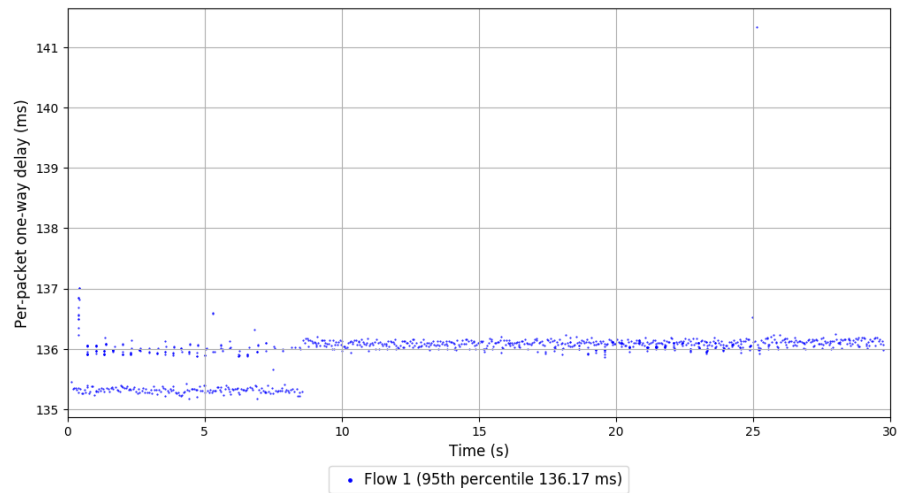
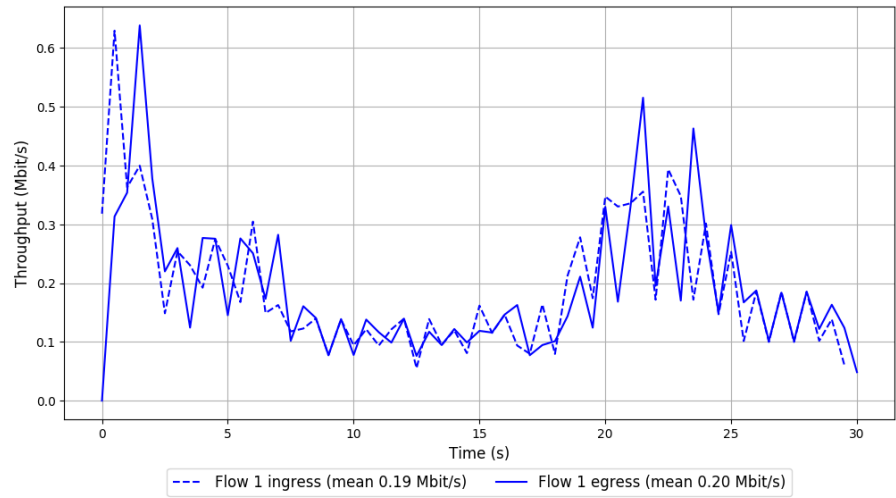
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 136.173 ms

Loss rate: 0.27%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-06-06 15:59:22

End at: 2018-06-06 15:59:52

Local clock offset: 0.059 ms

Remote clock offset: 0.601 ms

Below is generated by plot.py at 2018-06-06 17:13:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 135.480 ms

Loss rate: 0.31%

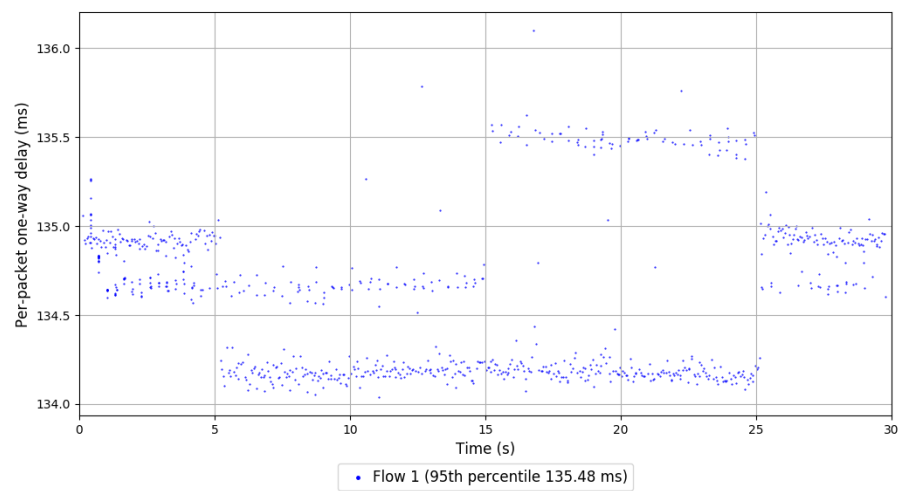
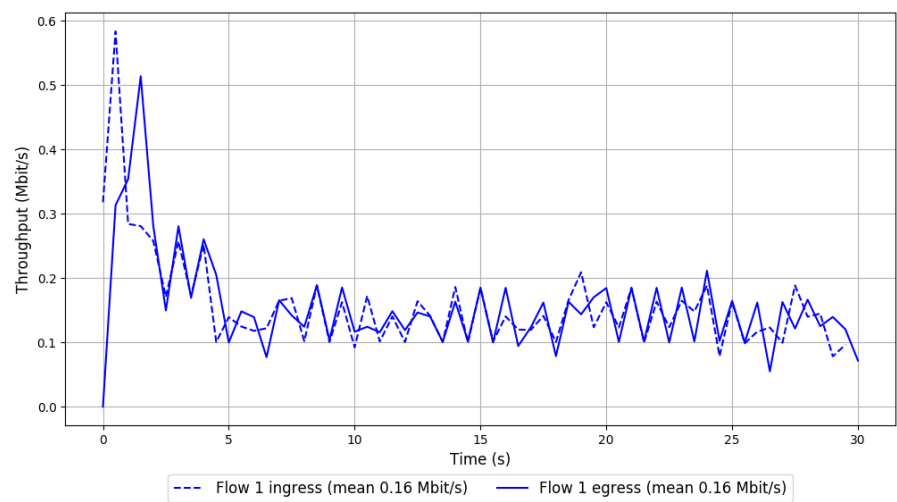
-- Flow 1:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 135.480 ms

Loss rate: 0.31%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-06-06 12:27:52

End at: 2018-06-06 12:28:22

Local clock offset: -0.085 ms

Remote clock offset: -0.423 ms

Below is generated by plot.py at 2018-06-06 17:13:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.37 Mbit/s

95th percentile per-packet one-way delay: 136.607 ms

Loss rate: 0.92%

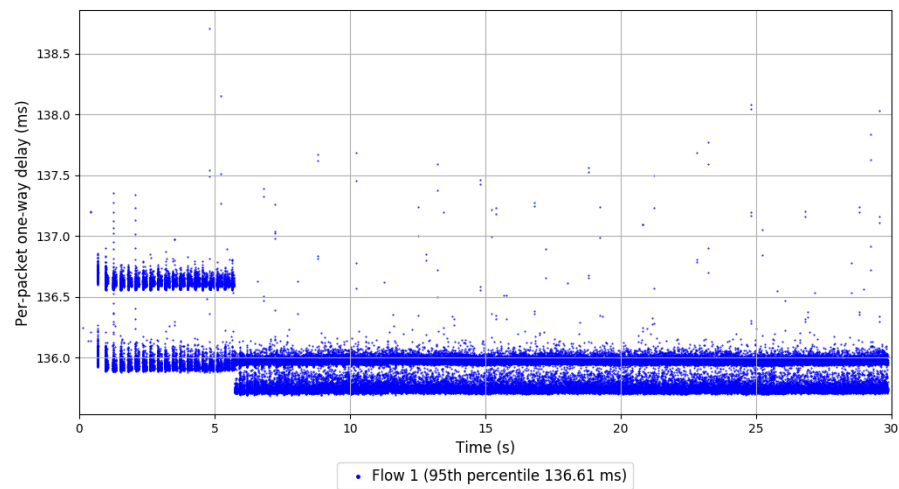
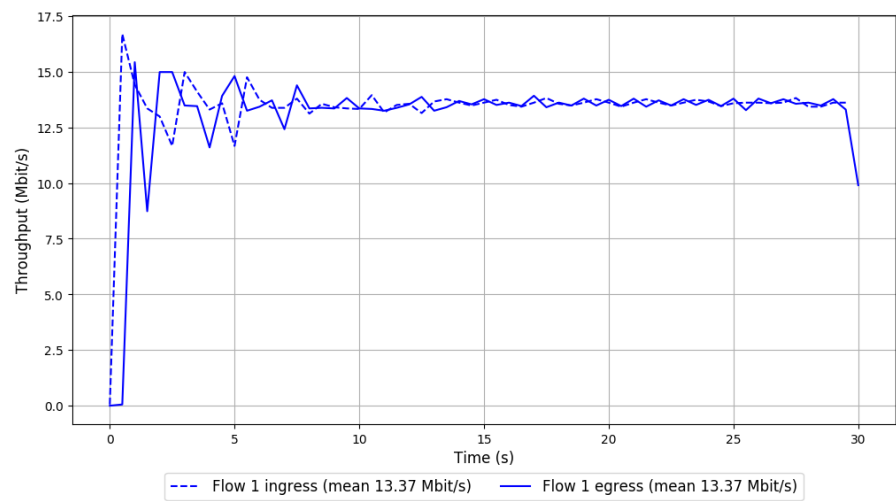
-- Flow 1:

Average throughput: 13.37 Mbit/s

95th percentile per-packet one-way delay: 136.607 ms

Loss rate: 0.92%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-06-06 12:49:16

End at: 2018-06-06 12:49:46

Local clock offset: 0.1 ms

Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-06-06 17:13:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.64 Mbit/s

95th percentile per-packet one-way delay: 136.478 ms

Loss rate: 0.74%

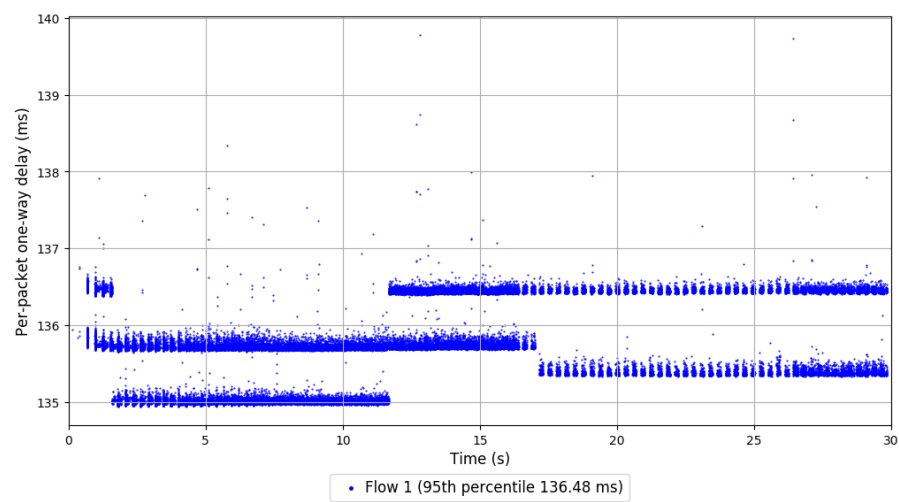
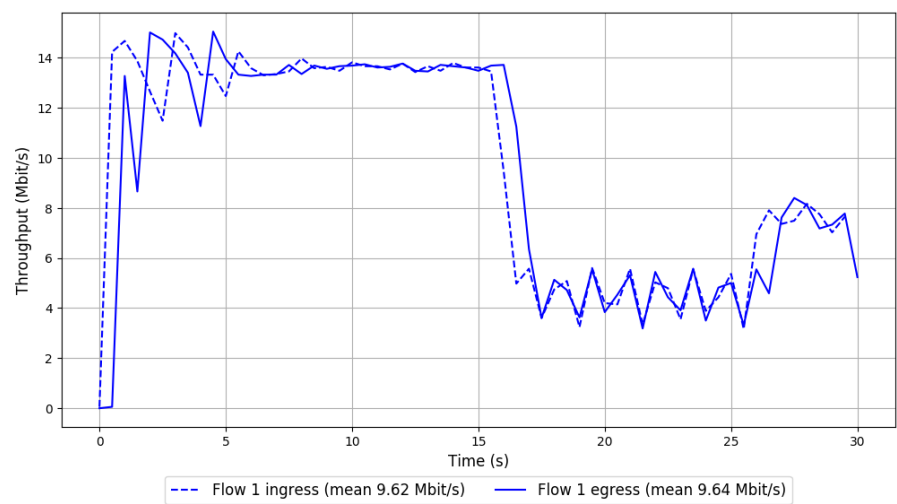
-- Flow 1:

Average throughput: 9.64 Mbit/s

95th percentile per-packet one-way delay: 136.478 ms

Loss rate: 0.74%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-06-06 13:10:32

End at: 2018-06-06 13:11:02

Local clock offset: 0.245 ms

Remote clock offset: -0.481 ms

Below is generated by plot.py at 2018-06-06 17:13:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 162.37 Mbit/s

95th percentile per-packet one-way delay: 137.059 ms

Loss rate: 1.15%

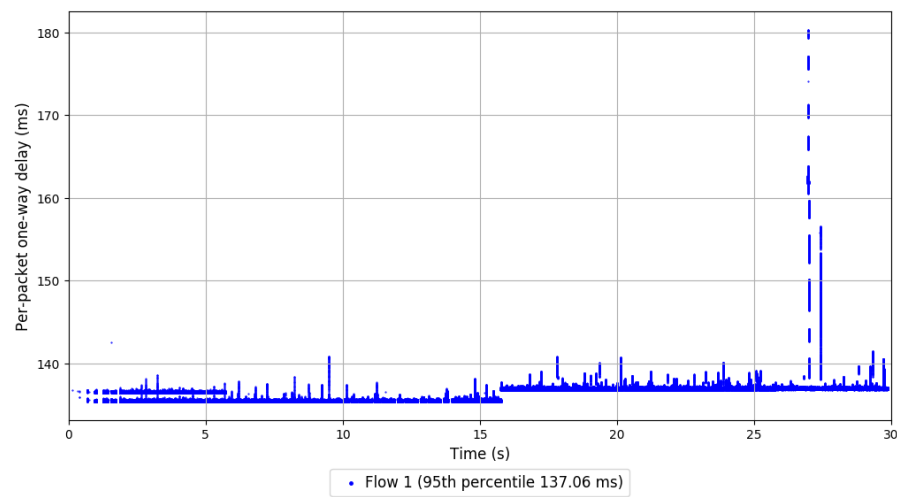
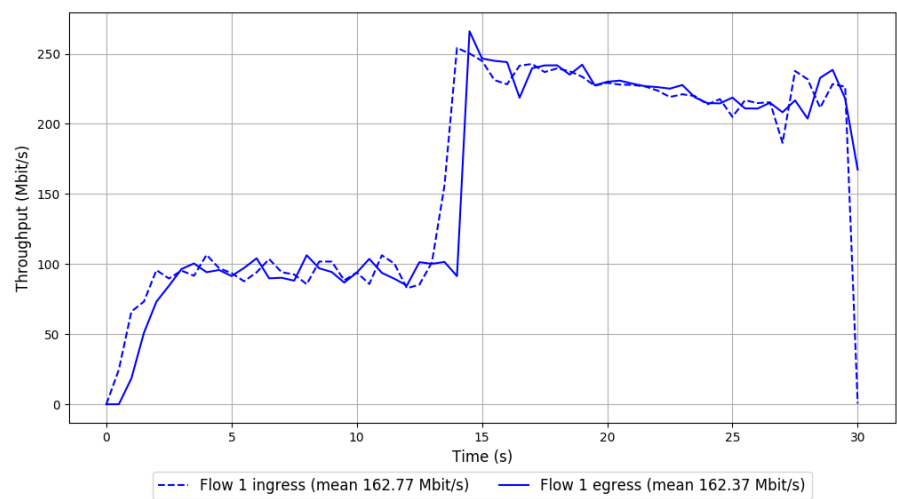
-- Flow 1:

Average throughput: 162.37 Mbit/s

95th percentile per-packet one-way delay: 137.059 ms

Loss rate: 1.15%

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

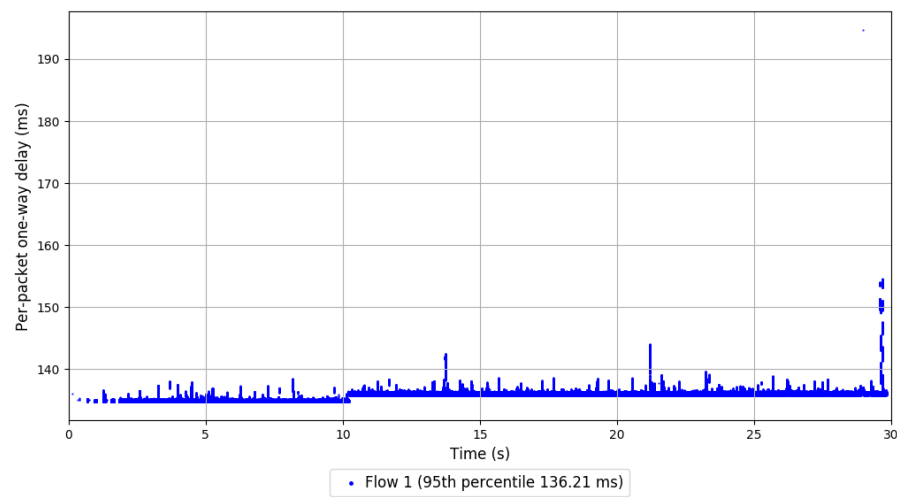
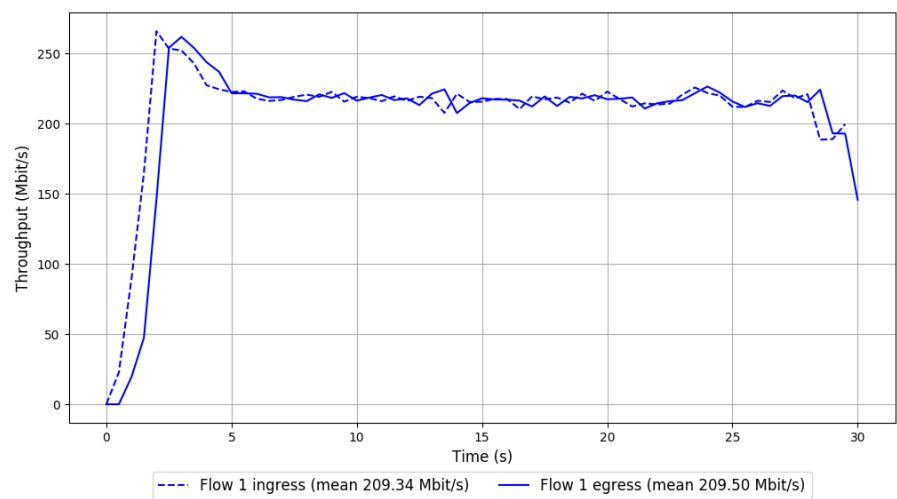


Run 4: Statistics of TaoVA-100x

Start at: 2018-06-06 13:31:57
End at: 2018-06-06 13:32:27
Local clock offset: -0.215 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-06-06 17:13:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 209.50 Mbit/s
95th percentile per-packet one-way delay: 136.207 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 209.50 Mbit/s
95th percentile per-packet one-way delay: 136.207 ms
Loss rate: 0.85%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-06-06 13:53:22

End at: 2018-06-06 13:53:52

Local clock offset: -0.092 ms

Remote clock offset: 0.365 ms

Below is generated by plot.py at 2018-06-06 17:13:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.40 Mbit/s

95th percentile per-packet one-way delay: 136.056 ms

Loss rate: 0.92%

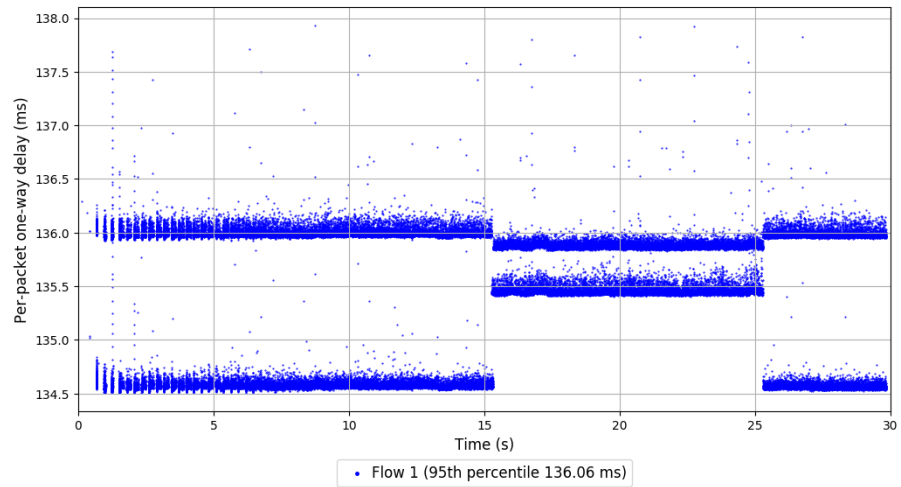
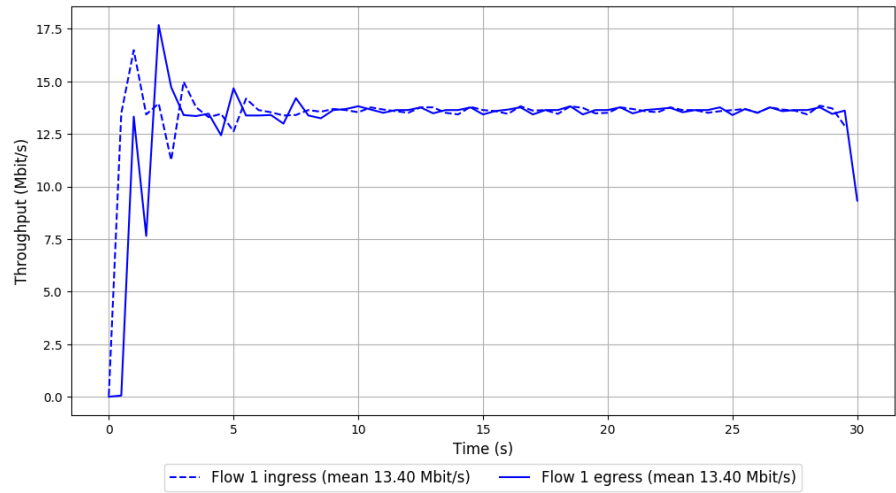
-- Flow 1:

Average throughput: 13.40 Mbit/s

95th percentile per-packet one-way delay: 136.056 ms

Loss rate: 0.92%

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

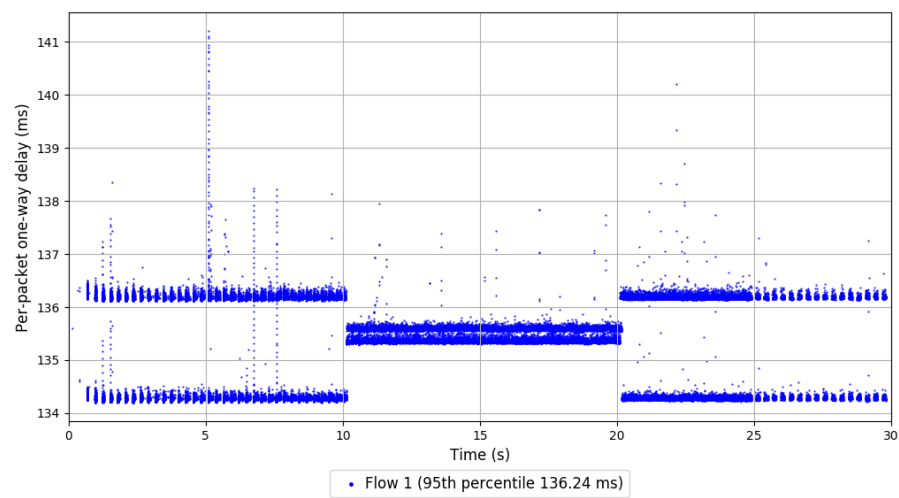
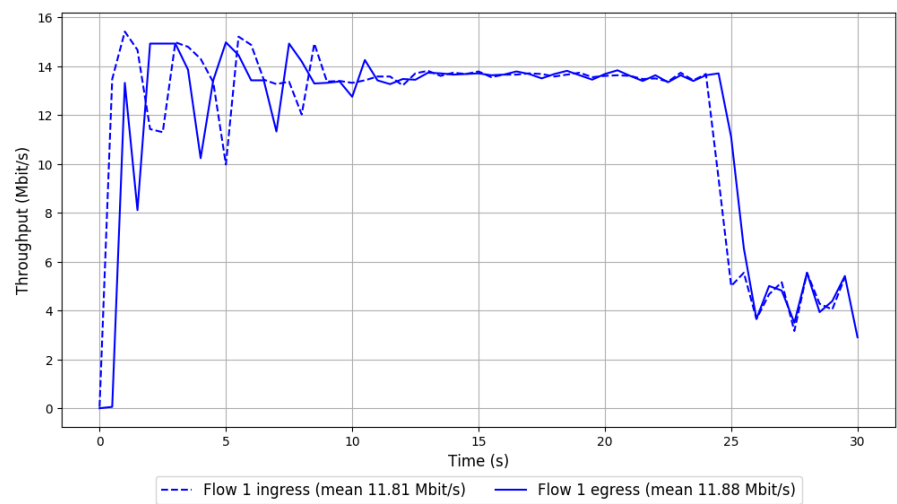


Run 6: Statistics of TaoVA-100x

Start at: 2018-06-06 14:14:27
End at: 2018-06-06 14:14:57
Local clock offset: -0.265 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-06-06 17:13:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.88 Mbit/s
95th percentile per-packet one-way delay: 136.240 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 11.88 Mbit/s
95th percentile per-packet one-way delay: 136.240 ms
Loss rate: 0.37%

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

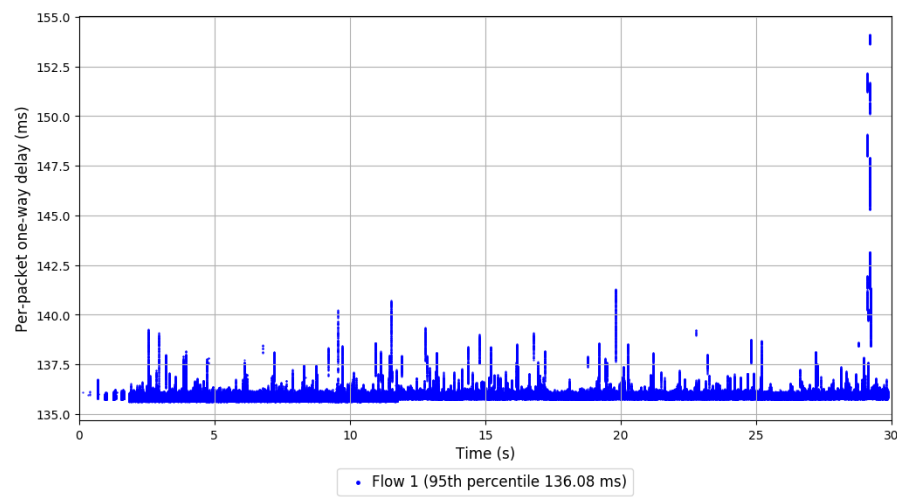
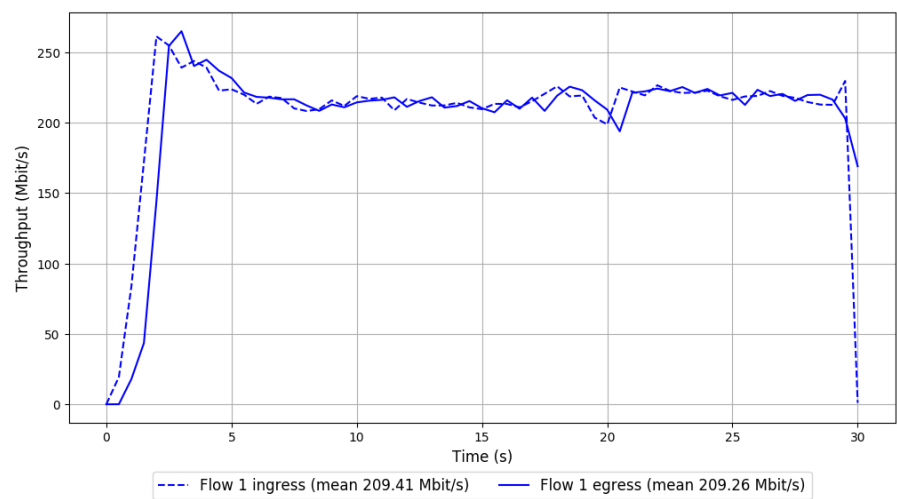


Run 7: Statistics of TaoVA-100x

Start at: 2018-06-06 14:35:26
End at: 2018-06-06 14:35:56
Local clock offset: -0.412 ms
Remote clock offset: -0.473 ms

Below is generated by plot.py at 2018-06-06 17:14:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 209.26 Mbit/s
95th percentile per-packet one-way delay: 136.078 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 209.26 Mbit/s
95th percentile per-packet one-way delay: 136.078 ms
Loss rate: 0.98%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-06-06 14:57:07

End at: 2018-06-06 14:57:37

Local clock offset: -0.112 ms

Remote clock offset: -0.26 ms

Below is generated by plot.py at 2018-06-06 17:14:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.68 Mbit/s

95th percentile per-packet one-way delay: 136.080 ms

Loss rate: 0.96%

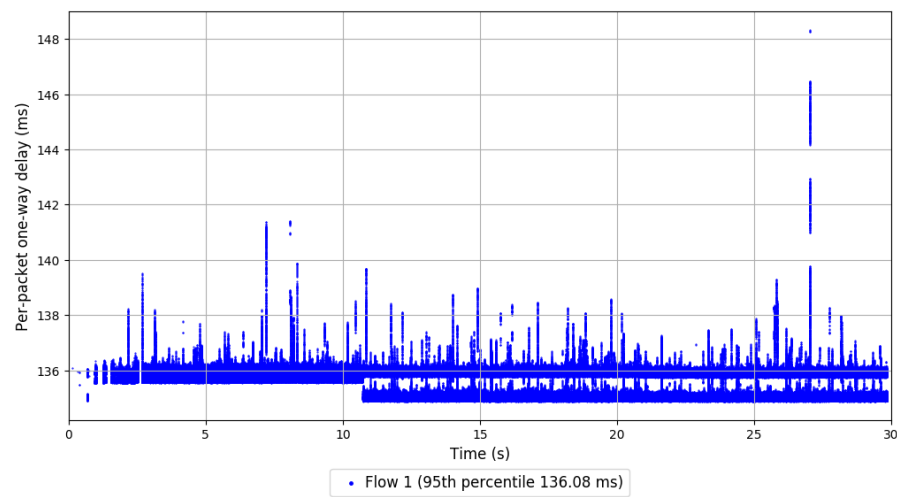
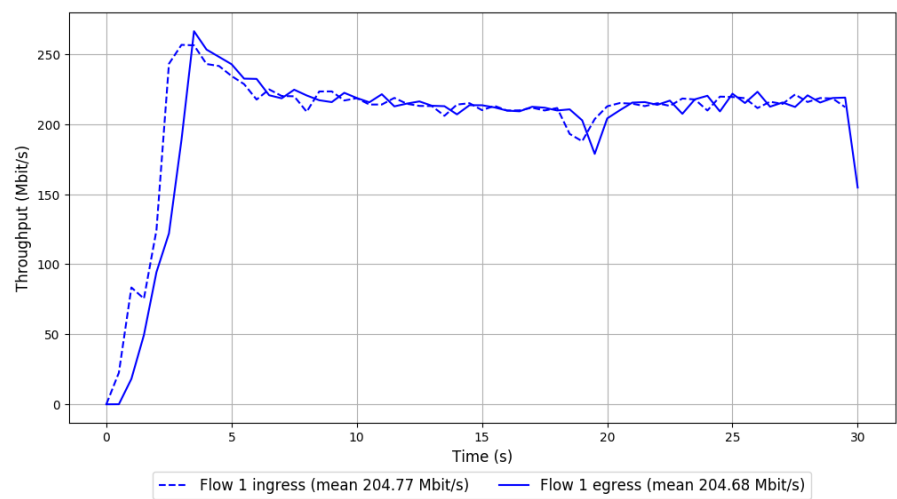
-- Flow 1:

Average throughput: 204.68 Mbit/s

95th percentile per-packet one-way delay: 136.080 ms

Loss rate: 0.96%

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

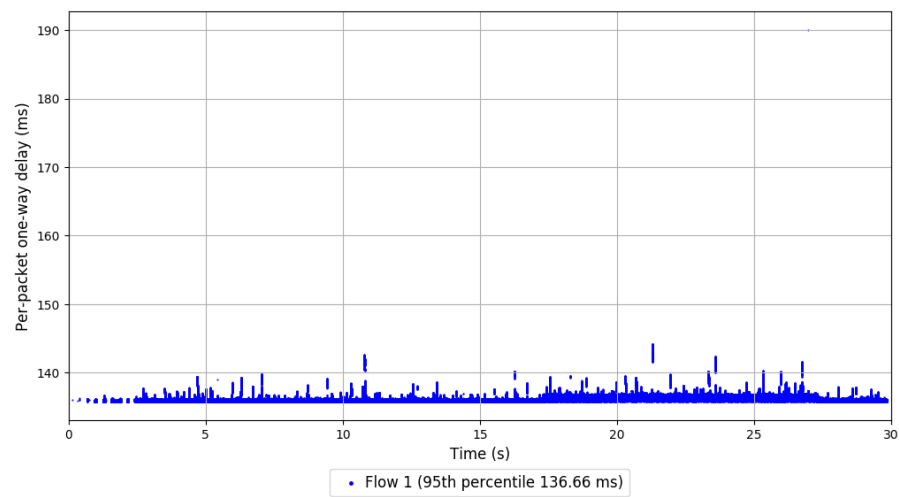
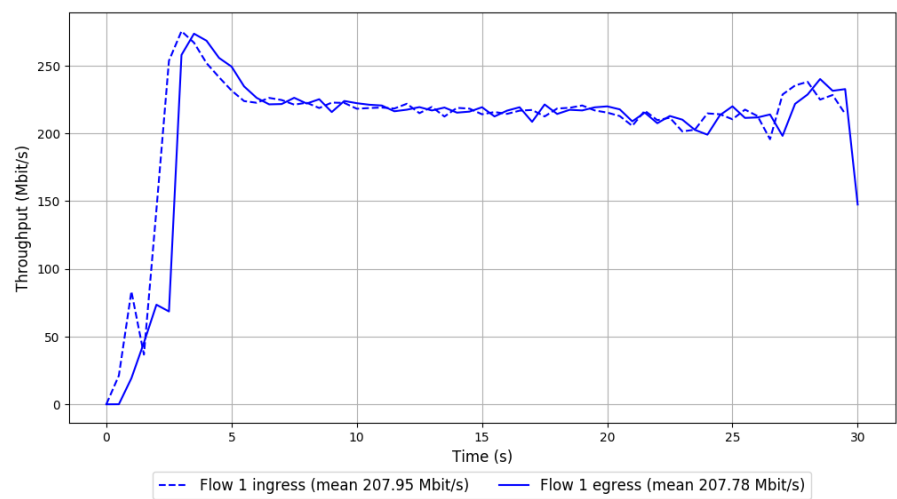


Run 9: Statistics of TaoVA-100x

Start at: 2018-06-06 15:18:40
End at: 2018-06-06 15:19:10
Local clock offset: -0.111 ms
Remote clock offset: -0.408 ms

Below is generated by plot.py at 2018-06-06 17:15:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 207.78 Mbit/s
95th percentile per-packet one-way delay: 136.655 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 207.78 Mbit/s
95th percentile per-packet one-way delay: 136.655 ms
Loss rate: 0.99%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-06-06 15:40:15

End at: 2018-06-06 15:40:45

Local clock offset: 0.077 ms

Remote clock offset: 0.537 ms

Below is generated by plot.py at 2018-06-06 17:15:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.16 Mbit/s

95th percentile per-packet one-way delay: 135.687 ms

Loss rate: 0.93%

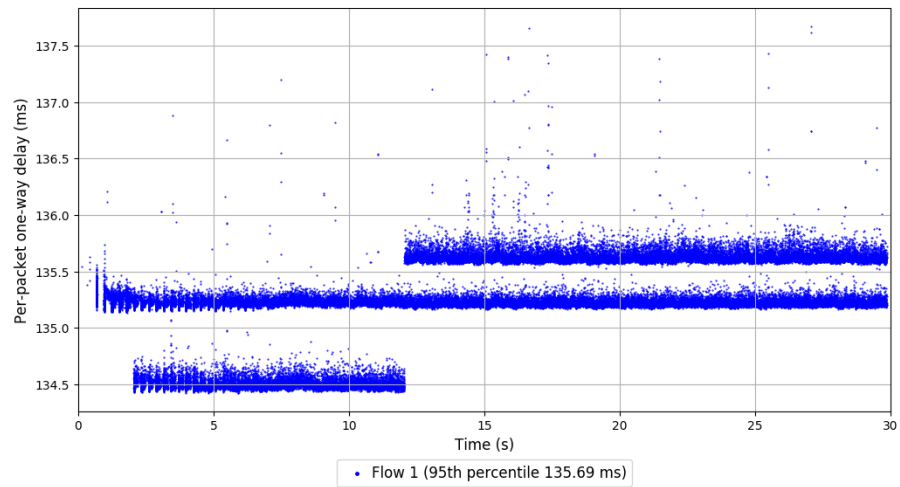
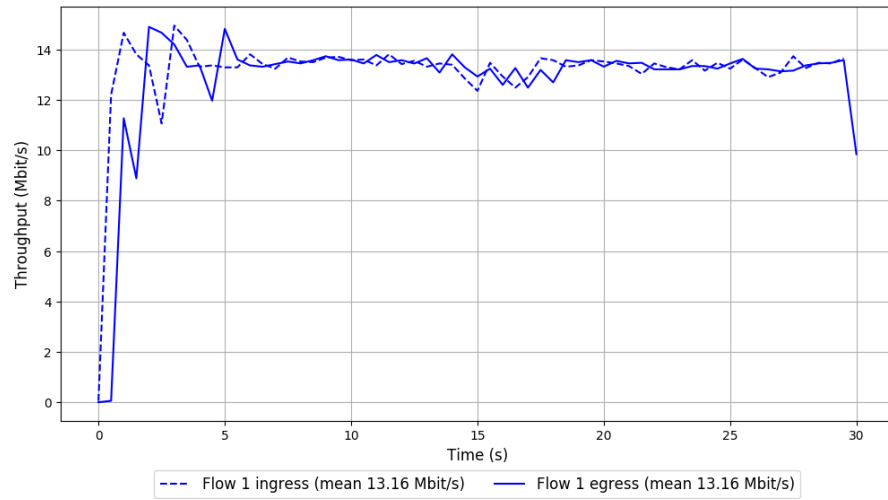
-- Flow 1:

Average throughput: 13.16 Mbit/s

95th percentile per-packet one-way delay: 135.687 ms

Loss rate: 0.93%

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

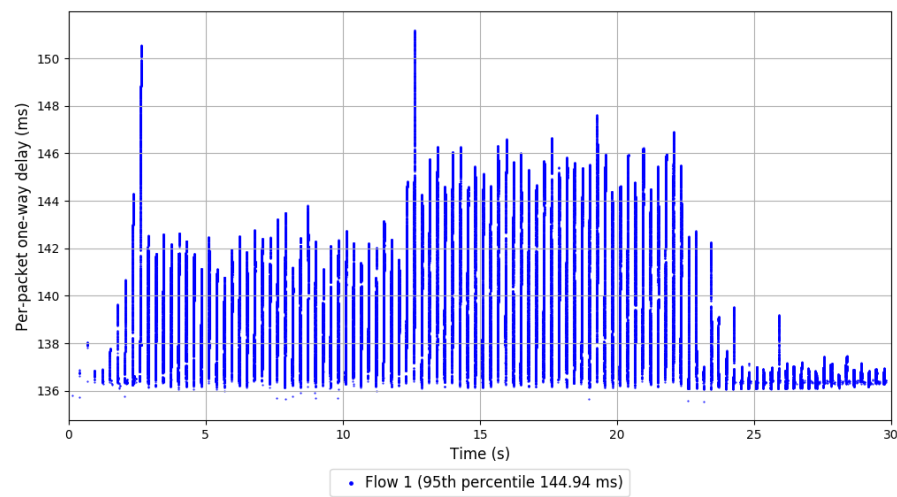
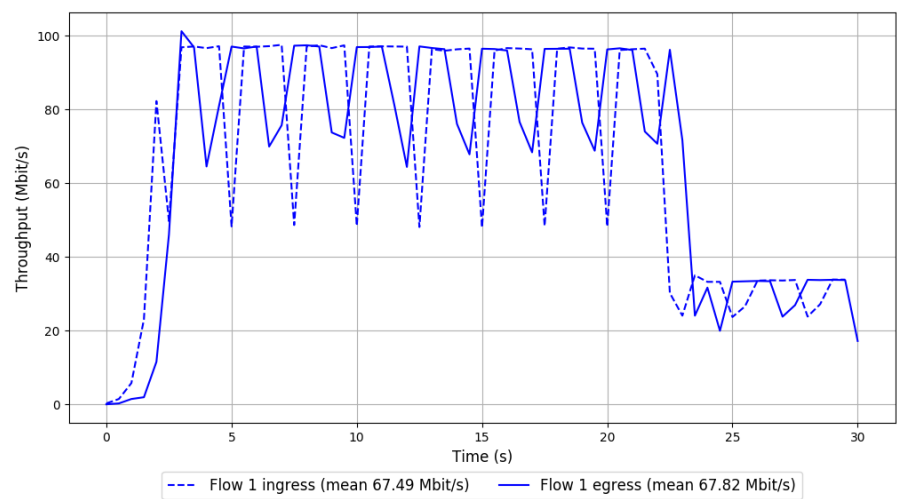


Run 1: Statistics of TCP Vegas

Start at: 2018-06-06 12:39:09
End at: 2018-06-06 12:39:39
Local clock offset: -0.204 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-06-06 17:15:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.82 Mbit/s
95th percentile per-packet one-way delay: 144.941 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 67.82 Mbit/s
95th percentile per-packet one-way delay: 144.941 ms
Loss rate: 0.42%

Run 1: Report of TCP Vegas — Data Link

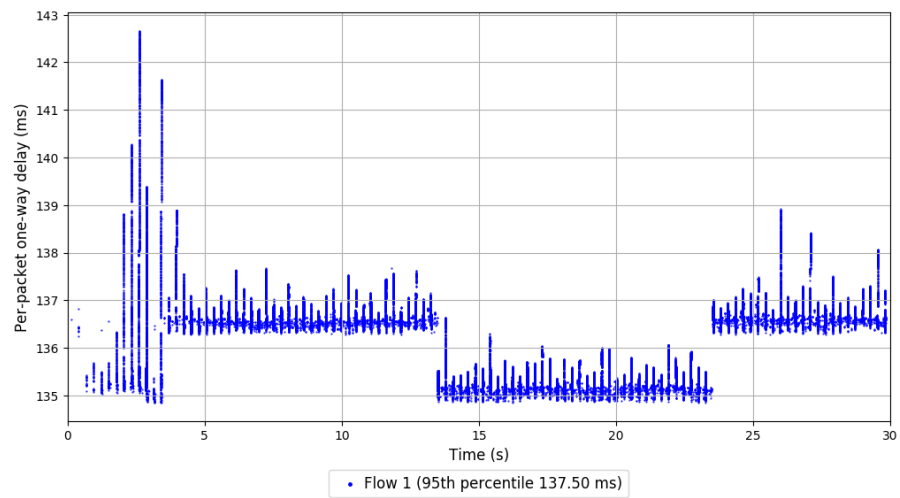
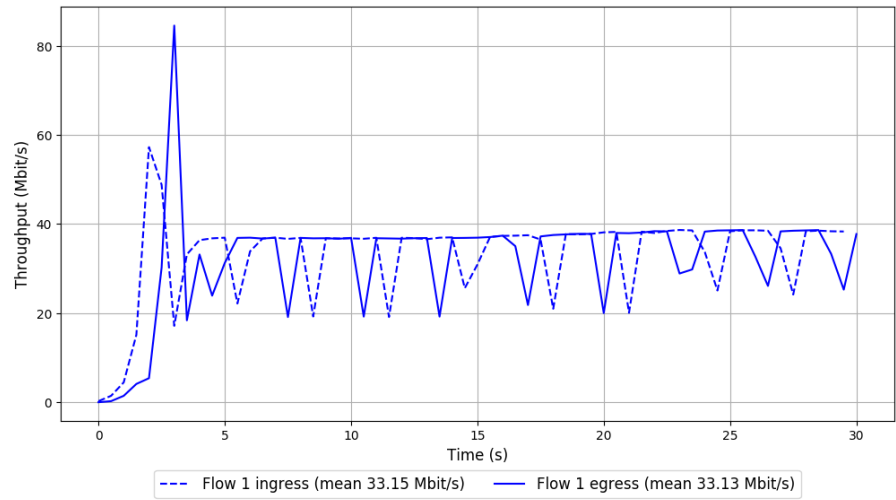


Run 2: Statistics of TCP Vegas

Start at: 2018-06-06 13:00:34
End at: 2018-06-06 13:01:04
Local clock offset: 0.079 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-06-06 17:15:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.13 Mbit/s
95th percentile per-packet one-way delay: 137.496 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 33.13 Mbit/s
95th percentile per-packet one-way delay: 137.496 ms
Loss rate: 0.97%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-06-06 13:21:57

End at: 2018-06-06 13:22:27

Local clock offset: 0.074 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-06-06 17:15:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.42 Mbit/s

95th percentile per-packet one-way delay: 142.938 ms

Loss rate: 1.02%

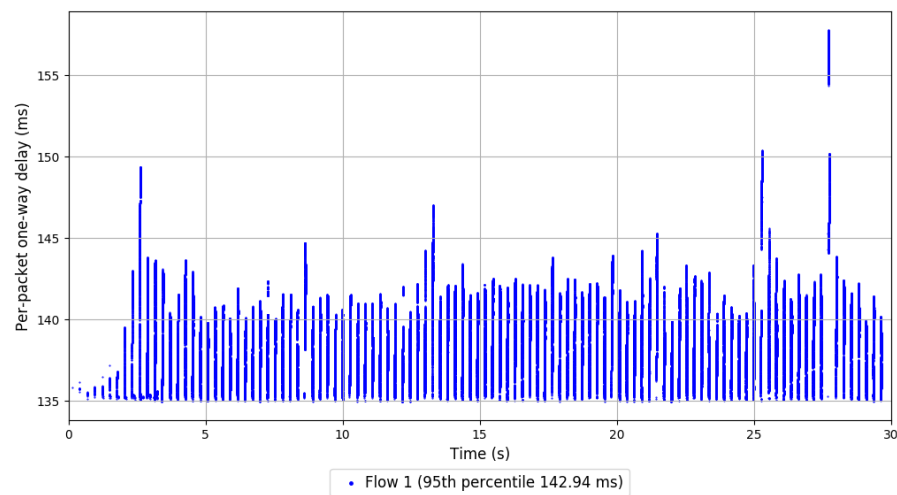
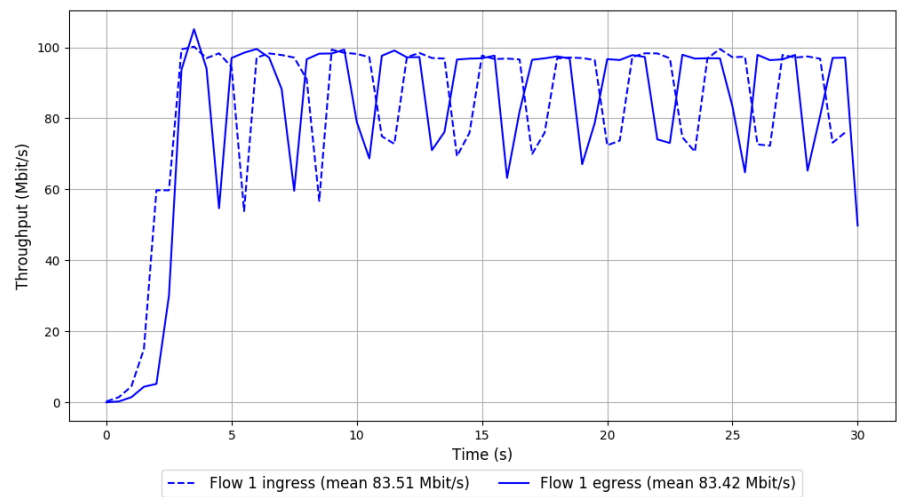
-- Flow 1:

Average throughput: 83.42 Mbit/s

95th percentile per-packet one-way delay: 142.938 ms

Loss rate: 1.02%

Run 3: Report of TCP Vegas — Data Link

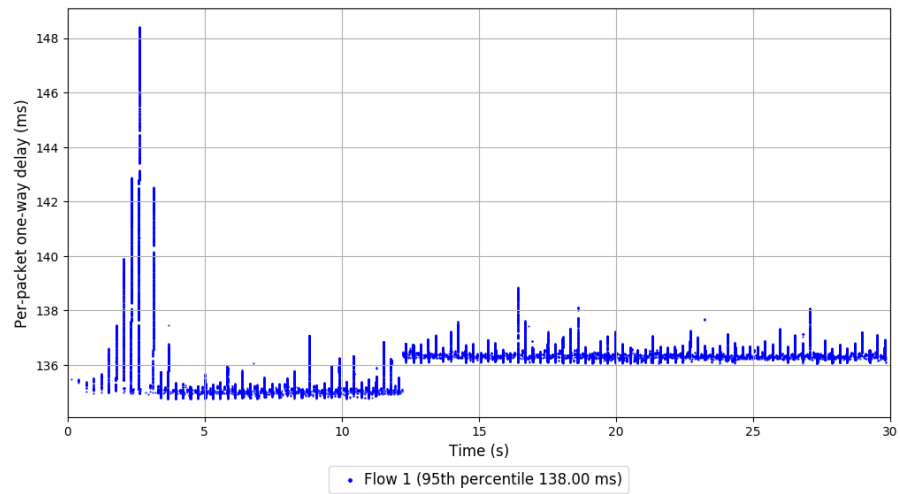
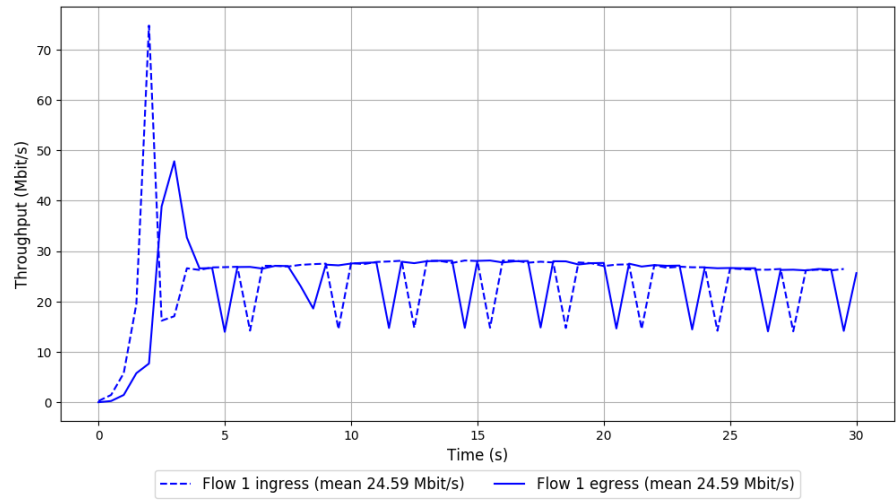


Run 4: Statistics of TCP Vegas

Start at: 2018-06-06 13:43:25
End at: 2018-06-06 13:43:55
Local clock offset: -0.206 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-06-06 17:15:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 138.003 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 138.003 ms
Loss rate: 0.90%

Run 4: Report of TCP Vegas — Data Link

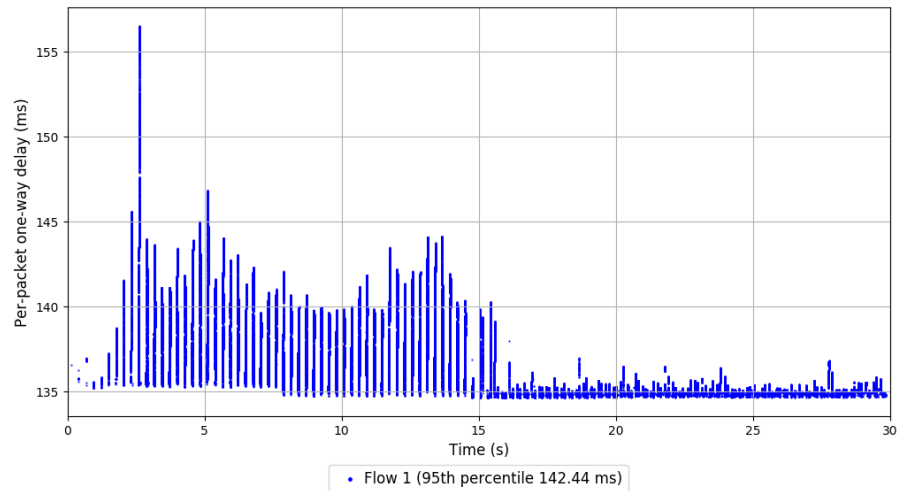
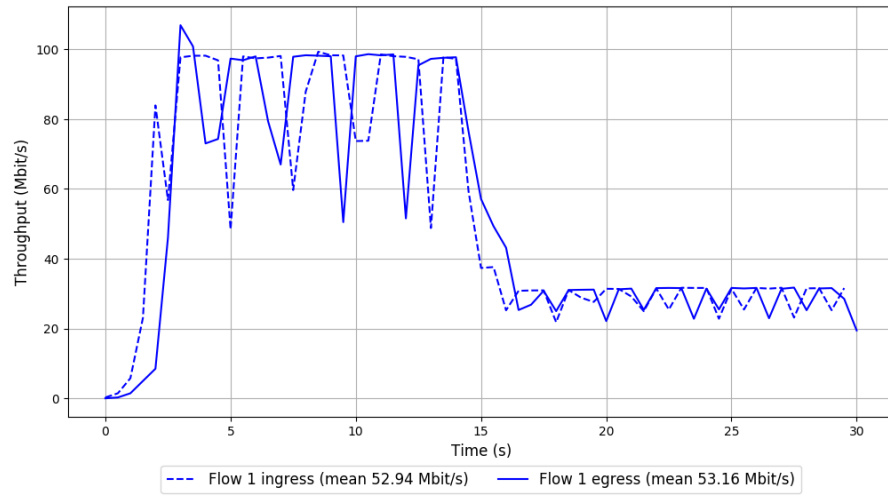


Run 5: Statistics of TCP Vegas

Start at: 2018-06-06 14:04:20
End at: 2018-06-06 14:04:50
Local clock offset: 0.141 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-06-06 17:15:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 53.16 Mbit/s
95th percentile per-packet one-way delay: 142.443 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 53.16 Mbit/s
95th percentile per-packet one-way delay: 142.443 ms
Loss rate: 0.50%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-06-06 14:25:22

End at: 2018-06-06 14:25:52

Local clock offset: 0.106 ms

Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-06-06 17:15:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.40 Mbit/s

95th percentile per-packet one-way delay: 143.777 ms

Loss rate: 0.99%

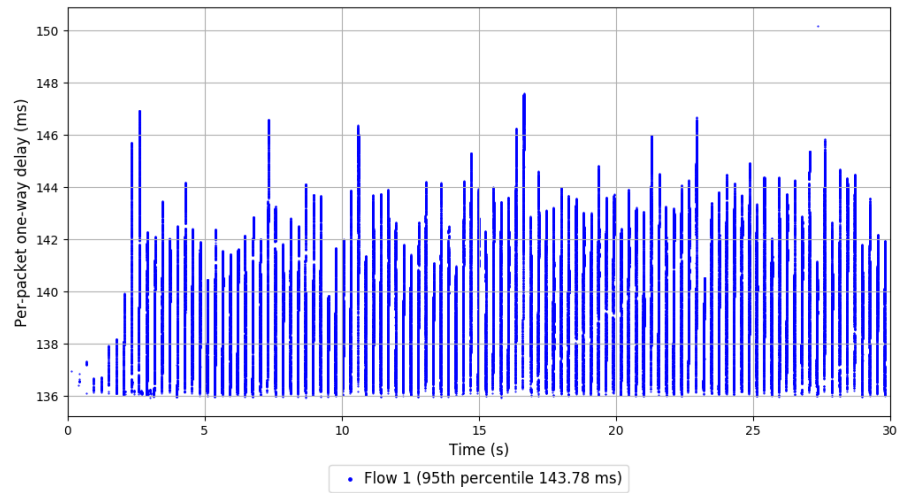
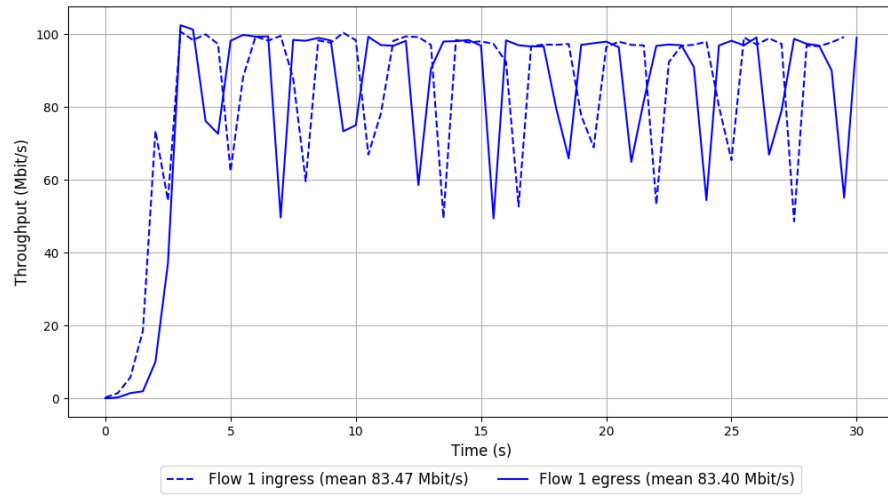
-- Flow 1:

Average throughput: 83.40 Mbit/s

95th percentile per-packet one-way delay: 143.777 ms

Loss rate: 0.99%

Run 6: Report of TCP Vegas — Data Link

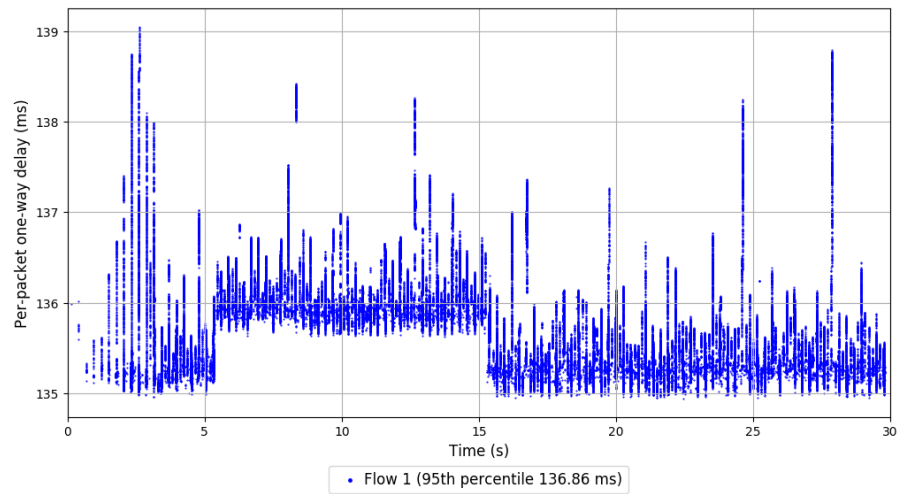
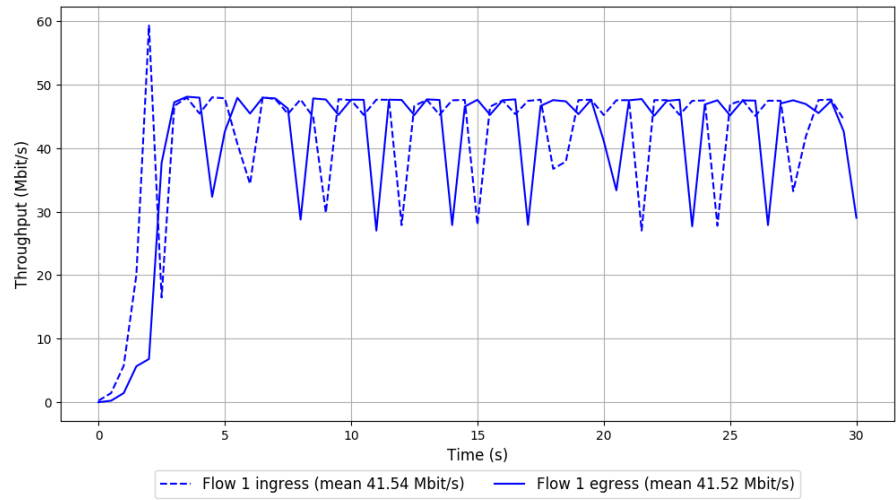


Run 7: Statistics of TCP Vegas

Start at: 2018-06-06 14:47:12
End at: 2018-06-06 14:47:42
Local clock offset: 0.005 ms
Remote clock offset: -0.169 ms

Below is generated by plot.py at 2018-06-06 17:15:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.52 Mbit/s
95th percentile per-packet one-way delay: 136.861 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 41.52 Mbit/s
95th percentile per-packet one-way delay: 136.861 ms
Loss rate: 0.96%

Run 7: Report of TCP Vegas — Data Link

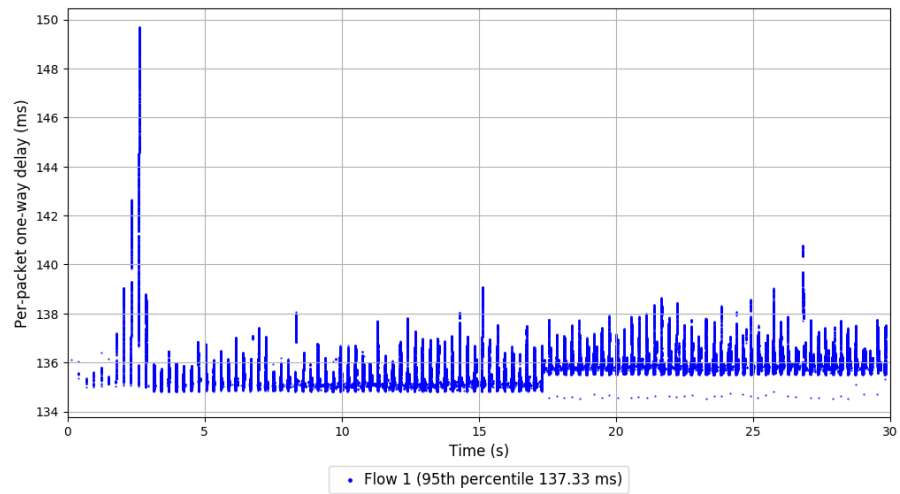
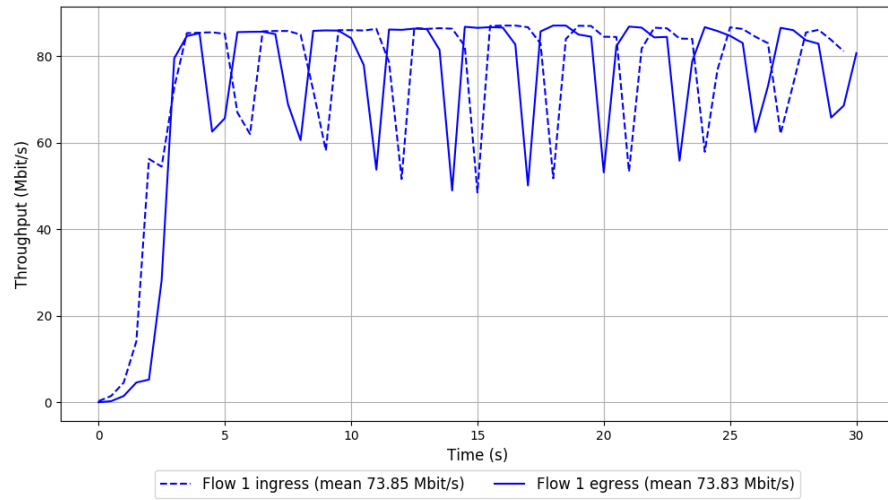


Run 8: Statistics of TCP Vegas

Start at: 2018-06-06 15:08:40
End at: 2018-06-06 15:09:10
Local clock offset: -0.107 ms
Remote clock offset: -0.293 ms

Below is generated by plot.py at 2018-06-06 17:15:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.83 Mbit/s
95th percentile per-packet one-way delay: 137.334 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 73.83 Mbit/s
95th percentile per-packet one-way delay: 137.334 ms
Loss rate: 0.94%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-06-06 15:30:21

End at: 2018-06-06 15:30:51

Local clock offset: 0.166 ms

Remote clock offset: 0.08 ms

Below is generated by plot.py at 2018-06-06 17:15:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.09 Mbit/s

95th percentile per-packet one-way delay: 137.350 ms

Loss rate: 0.99%

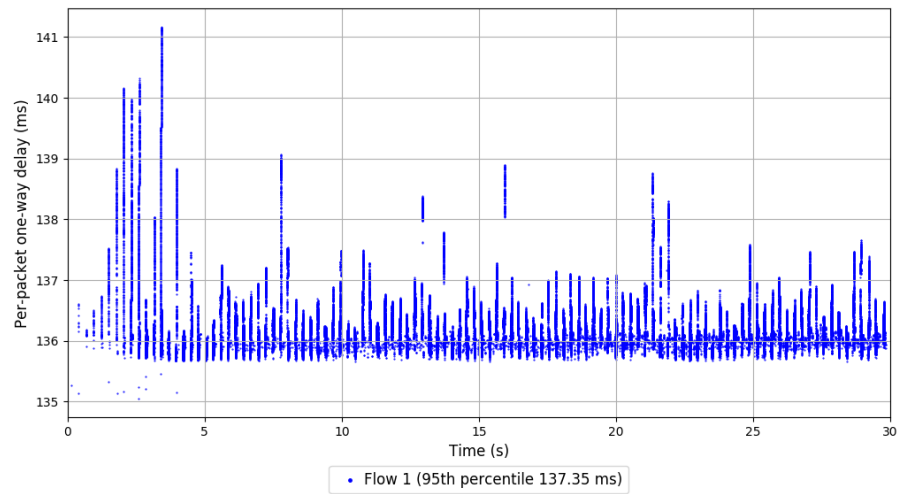
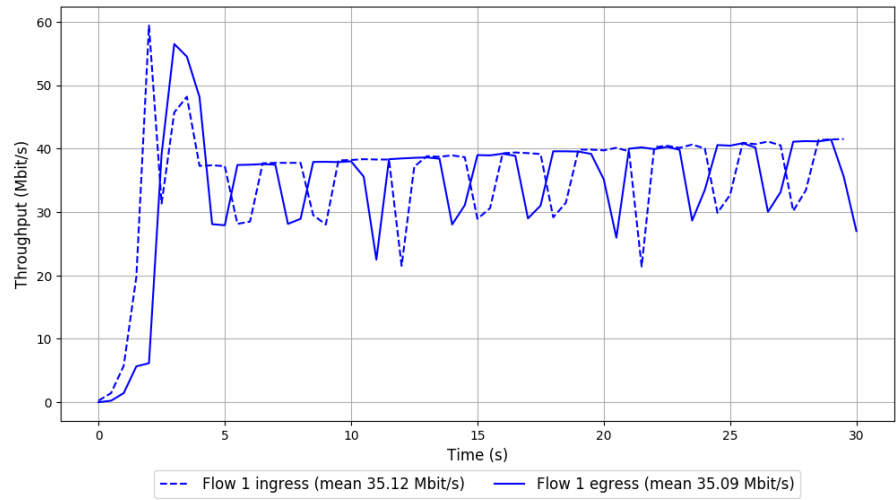
-- Flow 1:

Average throughput: 35.09 Mbit/s

95th percentile per-packet one-way delay: 137.350 ms

Loss rate: 0.99%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-06-06 15:51:46

End at: 2018-06-06 15:52:16

Local clock offset: -0.056 ms

Remote clock offset: 0.224 ms

Below is generated by plot.py at 2018-06-06 17:15:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.20 Mbit/s

95th percentile per-packet one-way delay: 136.983 ms

Loss rate: 1.02%

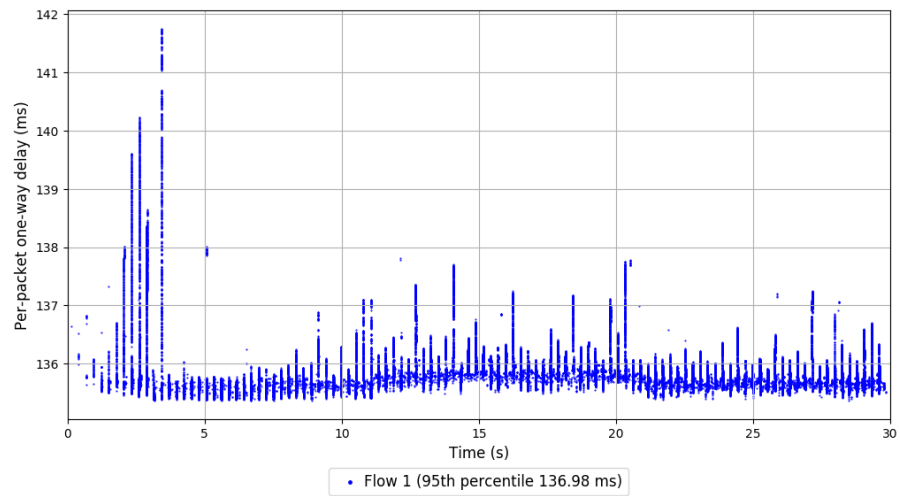
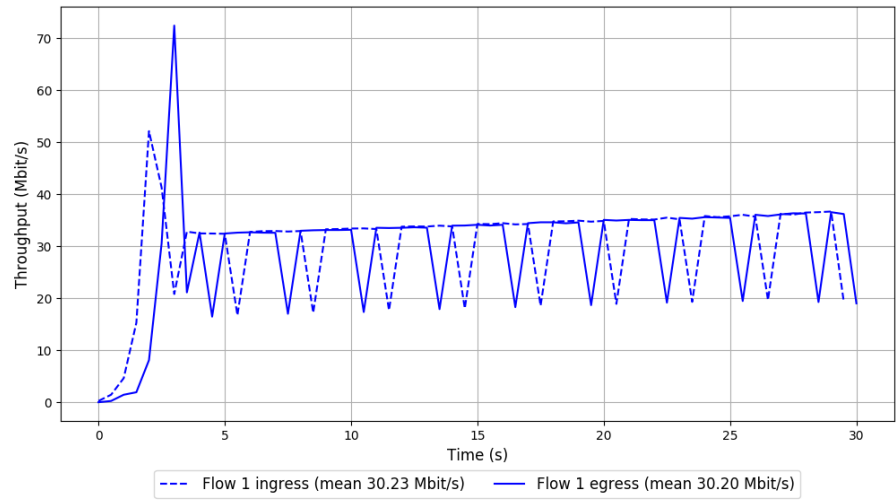
-- Flow 1:

Average throughput: 30.20 Mbit/s

95th percentile per-packet one-way delay: 136.983 ms

Loss rate: 1.02%

Run 10: Report of TCP Vegas — Data Link

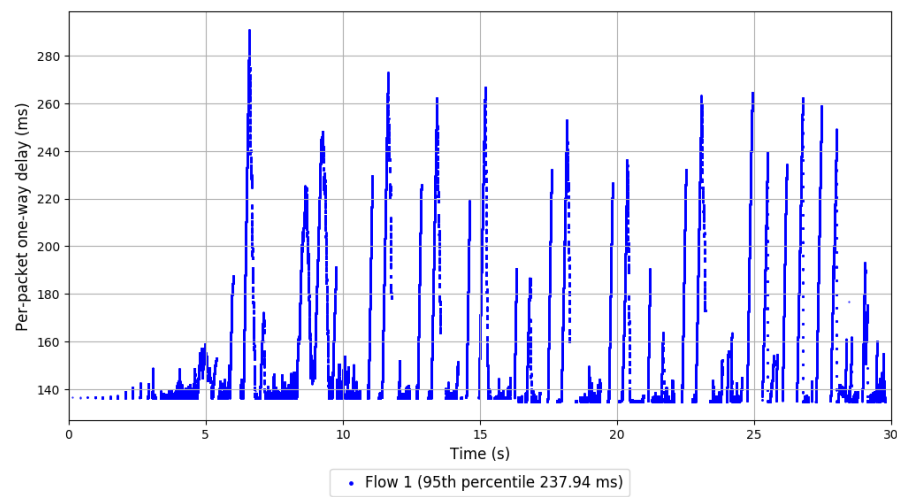
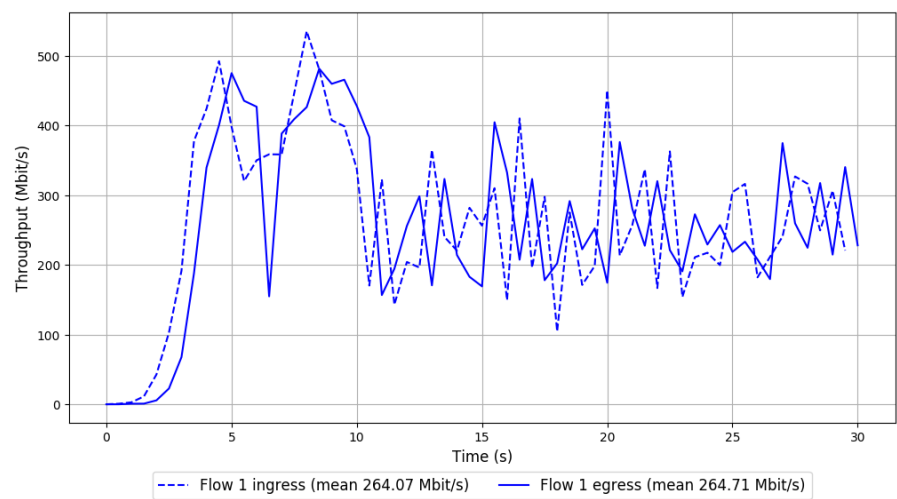


Run 1: Statistics of Verus

Start at: 2018-06-06 12:45:31
End at: 2018-06-06 12:46:01
Local clock offset: -0.089 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-06-06 17:17:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 264.71 Mbit/s
95th percentile per-packet one-way delay: 237.939 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 264.71 Mbit/s
95th percentile per-packet one-way delay: 237.939 ms
Loss rate: 0.67%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-06-06 13:06:56

End at: 2018-06-06 13:07:26

Local clock offset: 0.274 ms

Remote clock offset: 0.294 ms

Below is generated by plot.py at 2018-06-06 17:17:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 136.79 Mbit/s

95th percentile per-packet one-way delay: 173.072 ms

Loss rate: 3.58%

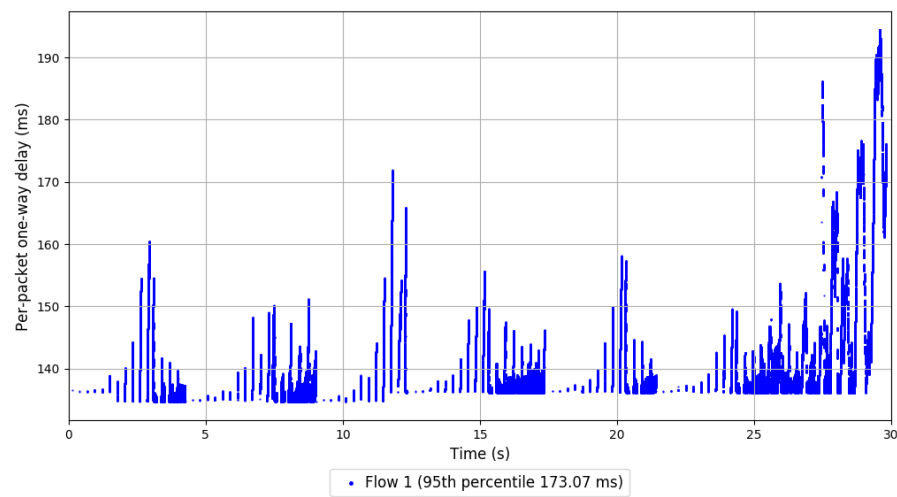
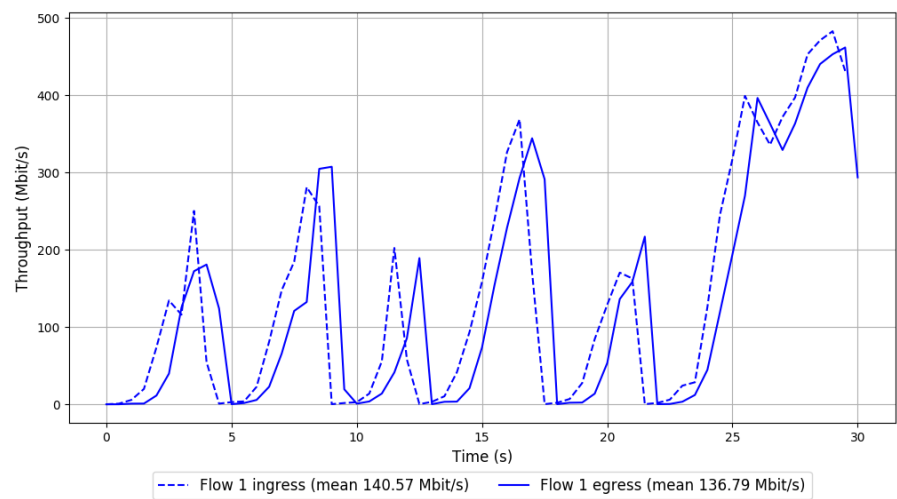
-- Flow 1:

Average throughput: 136.79 Mbit/s

95th percentile per-packet one-way delay: 173.072 ms

Loss rate: 3.58%

Run 2: Report of Verus — Data Link

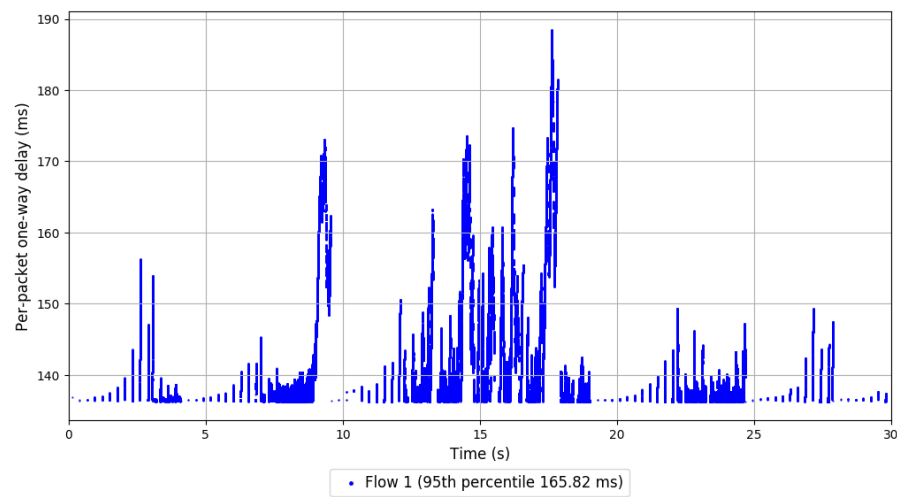
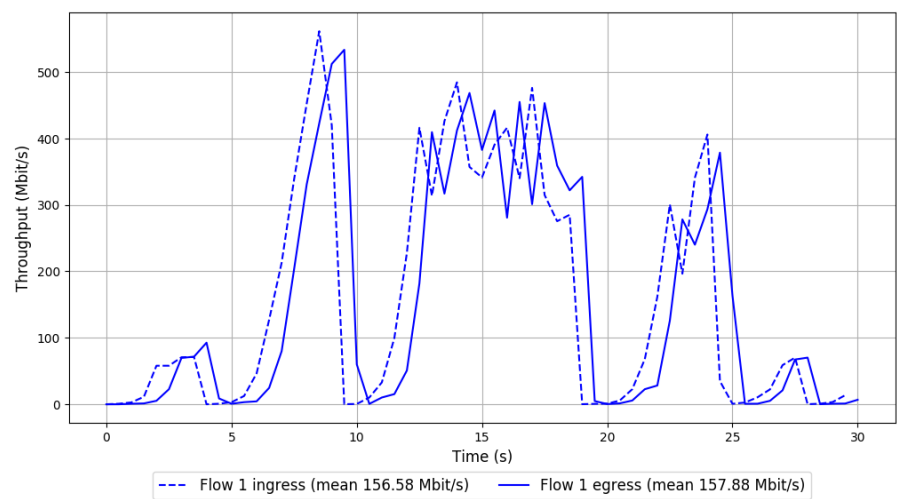


Run 3: Statistics of Verus

Start at: 2018-06-06 13:28:20
End at: 2018-06-06 13:28:50
Local clock offset: 0.02 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-06-06 17:17:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 157.88 Mbit/s
95th percentile per-packet one-way delay: 165.817 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 157.88 Mbit/s
95th percentile per-packet one-way delay: 165.817 ms
Loss rate: 0.10%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-06-06 13:49:45

End at: 2018-06-06 13:50:15

Local clock offset: 0.146 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-06-06 17:17:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 157.82 Mbit/s

95th percentile per-packet one-way delay: 185.704 ms

Loss rate: 1.27%

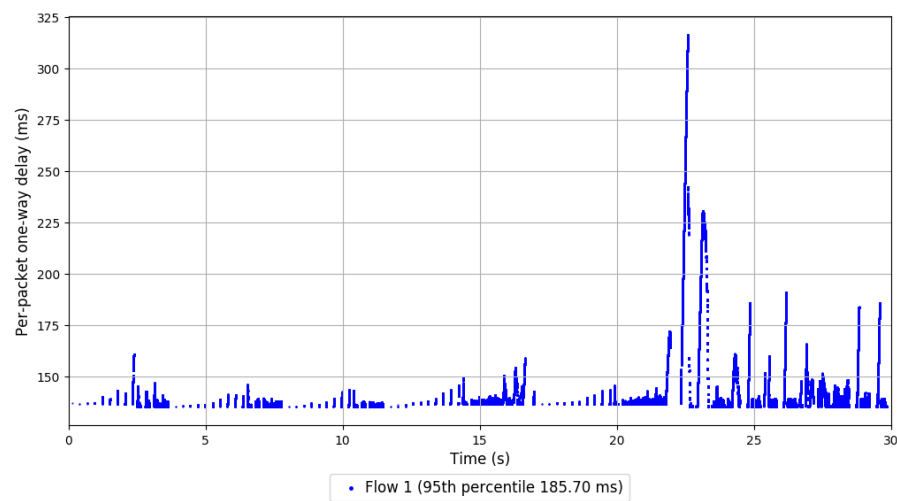
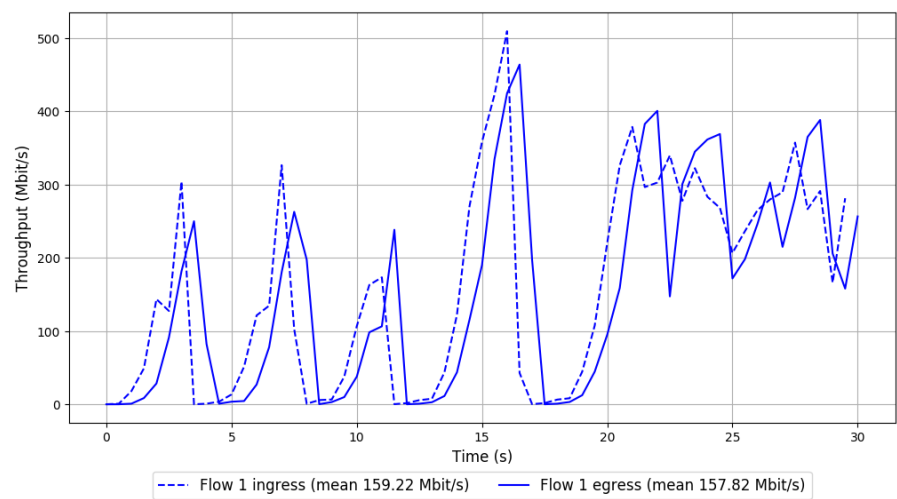
-- Flow 1:

Average throughput: 157.82 Mbit/s

95th percentile per-packet one-way delay: 185.704 ms

Loss rate: 1.27%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-06-06 14:10:45

End at: 2018-06-06 14:11:15

Local clock offset: -0.049 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-06-06 17:17:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 230.19 Mbit/s

95th percentile per-packet one-way delay: 190.077 ms

Loss rate: 0.50%

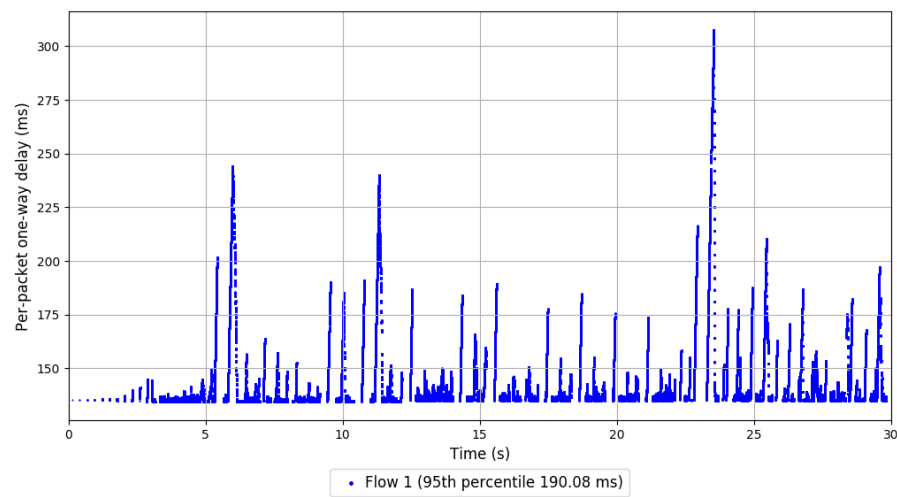
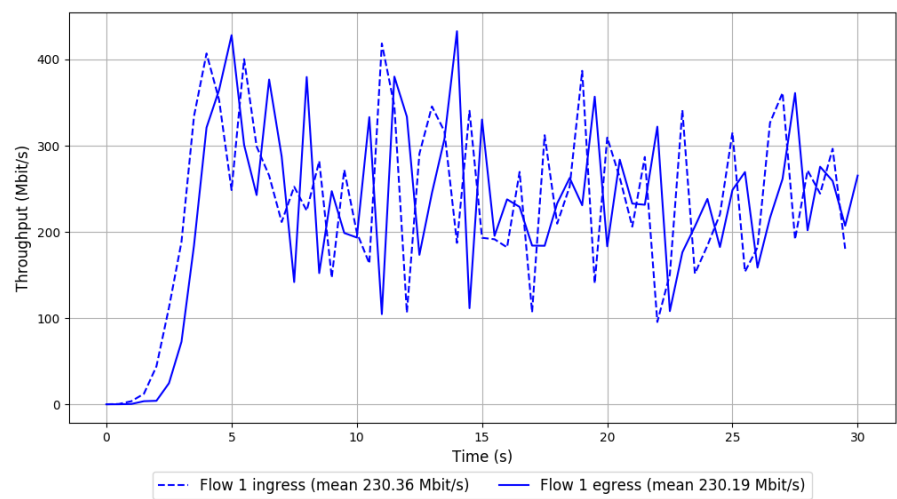
-- Flow 1:

Average throughput: 230.19 Mbit/s

95th percentile per-packet one-way delay: 190.077 ms

Loss rate: 0.50%

Run 5: Report of Verus — Data Link

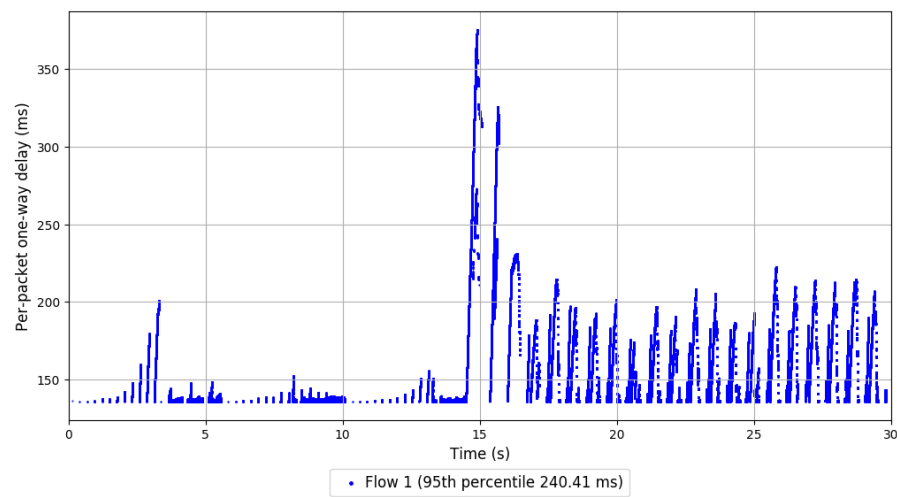
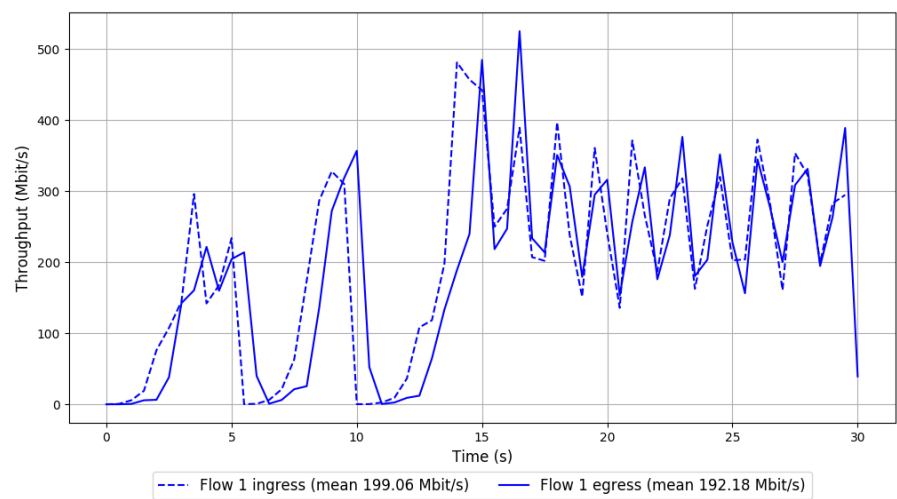


Run 6: Statistics of Verus

Start at: 2018-06-06 14:31:46
End at: 2018-06-06 14:32:16
Local clock offset: -0.012 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-06-06 17:17:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 192.18 Mbit/s
95th percentile per-packet one-way delay: 240.409 ms
Loss rate: 4.34%
-- Flow 1:
Average throughput: 192.18 Mbit/s
95th percentile per-packet one-way delay: 240.409 ms
Loss rate: 4.34%

Run 6: Report of Verus — Data Link

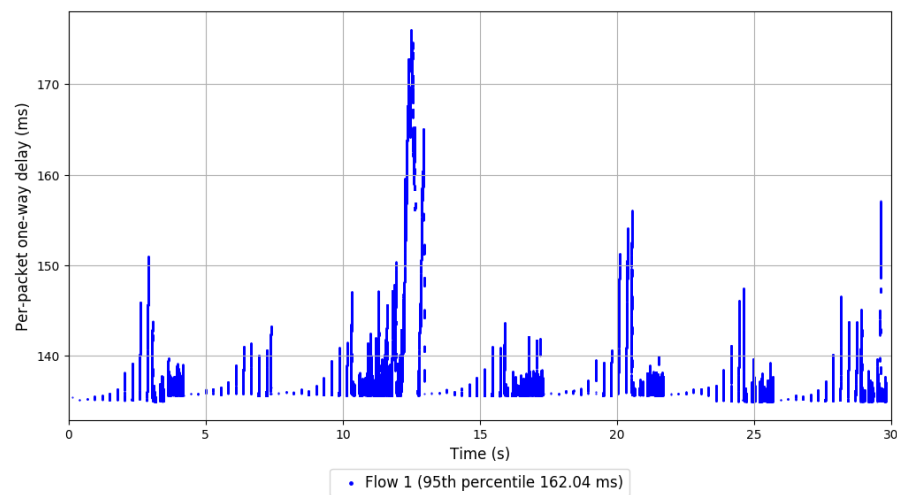
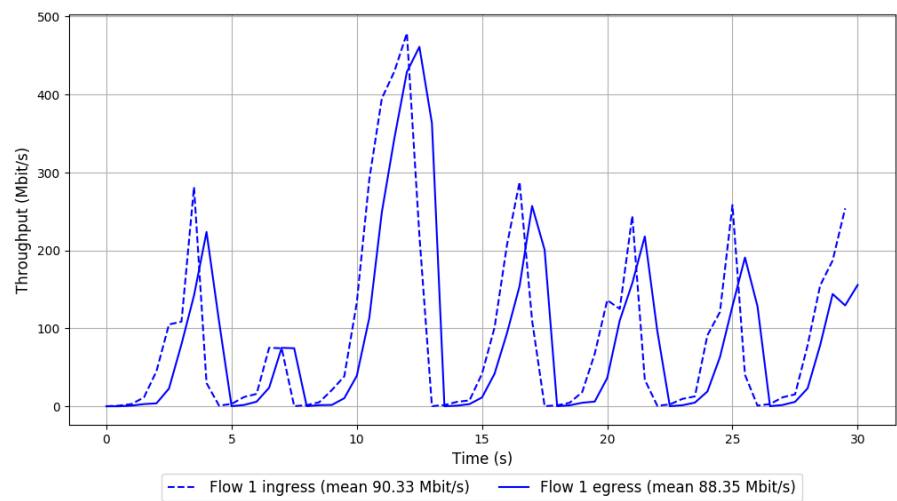


Run 7: Statistics of Verus

Start at: 2018-06-06 14:53:34
End at: 2018-06-06 14:54:04
Local clock offset: -0.119 ms
Remote clock offset: -0.277 ms

Below is generated by plot.py at 2018-06-06 17:17:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.35 Mbit/s
95th percentile per-packet one-way delay: 162.043 ms
Loss rate: 3.08%
-- Flow 1:
Average throughput: 88.35 Mbit/s
95th percentile per-packet one-way delay: 162.043 ms
Loss rate: 3.08%

Run 7: Report of Verus — Data Link

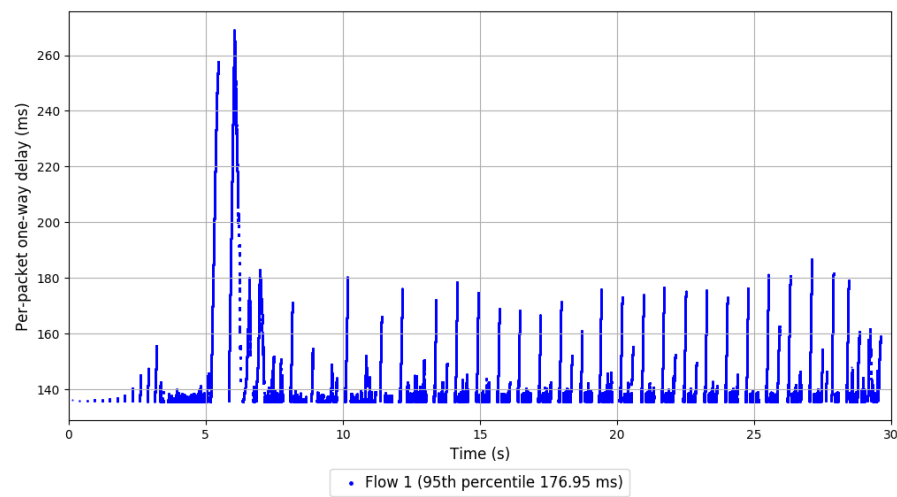
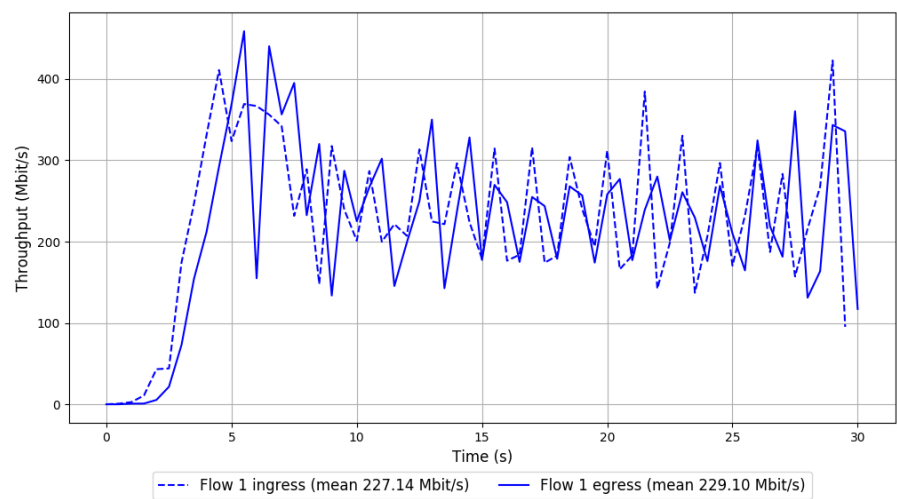


Run 8: Statistics of Verus

Start at: 2018-06-06 15:14:58
End at: 2018-06-06 15:15:28
Local clock offset: -0.167 ms
Remote clock offset: -0.134 ms

Below is generated by plot.py at 2018-06-06 17:19:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 229.10 Mbit/s
95th percentile per-packet one-way delay: 176.954 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 229.10 Mbit/s
95th percentile per-packet one-way delay: 176.954 ms
Loss rate: 0.70%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-06-06 15:36:42

End at: 2018-06-06 15:37:12

Local clock offset: -0.094 ms

Remote clock offset: 0.143 ms

Below is generated by plot.py at 2018-06-06 17:19:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.73 Mbit/s

95th percentile per-packet one-way delay: 152.539 ms

Loss rate: 1.50%

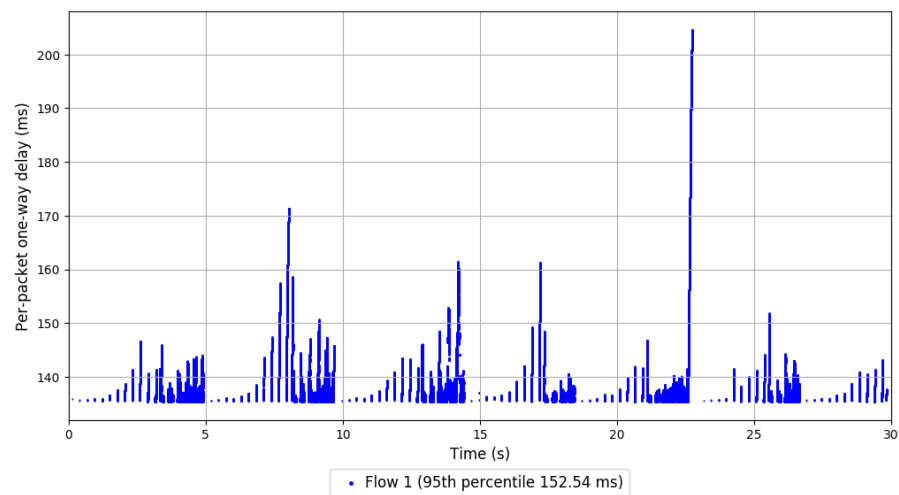
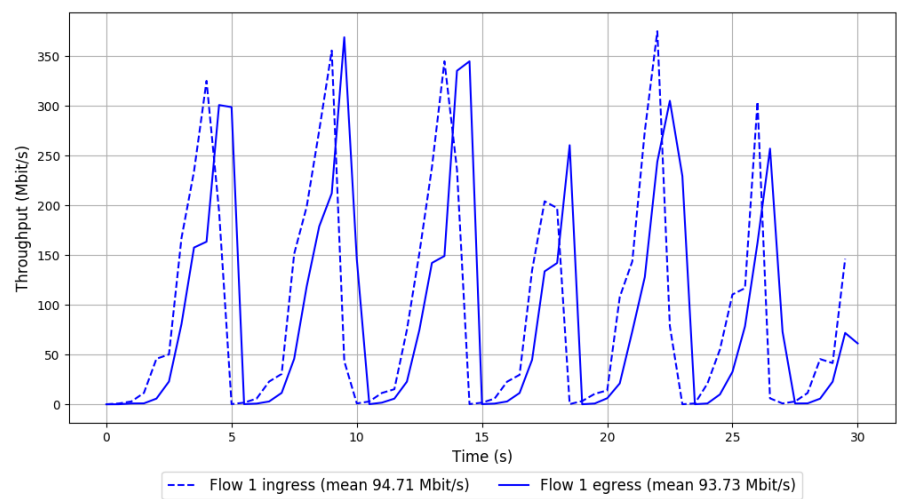
-- Flow 1:

Average throughput: 93.73 Mbit/s

95th percentile per-packet one-way delay: 152.539 ms

Loss rate: 1.50%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-06-06 15:57:57

End at: 2018-06-06 15:58:27

Local clock offset: 0.069 ms

Remote clock offset: 0.617 ms

Below is generated by plot.py at 2018-06-06 17:19:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.22 Mbit/s

95th percentile per-packet one-way delay: 181.859 ms

Loss rate: 0.03%

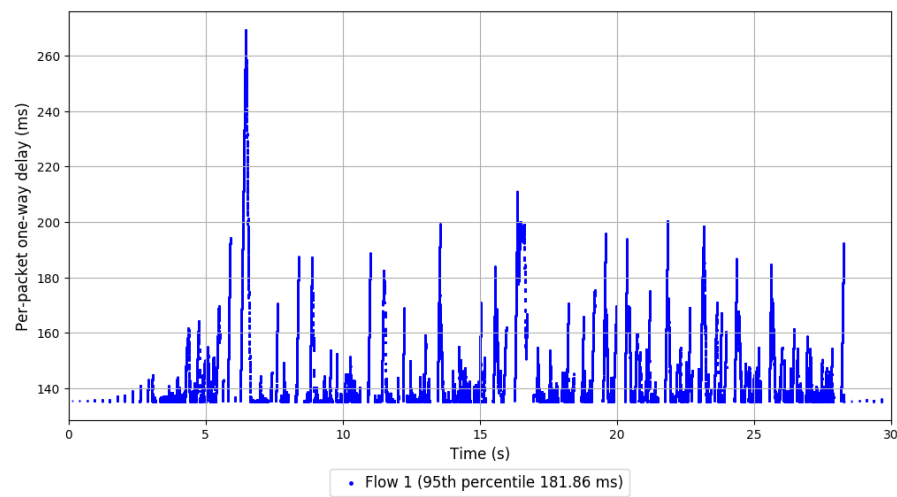
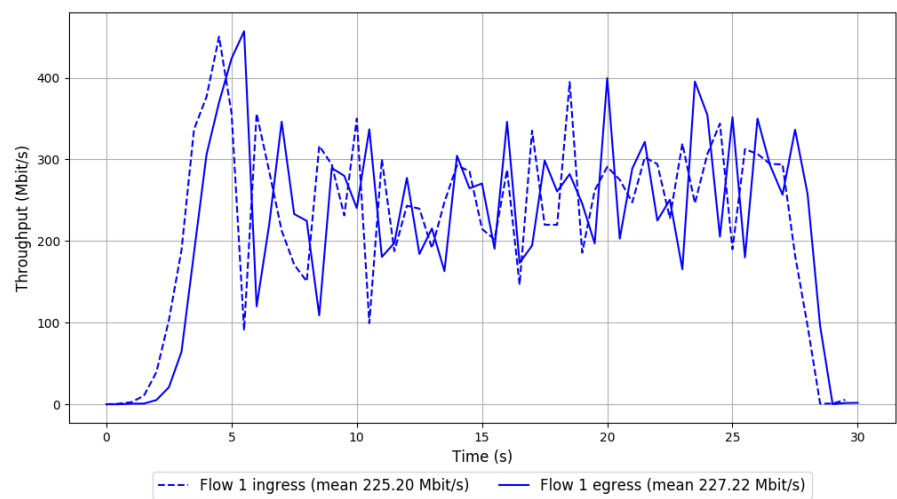
-- Flow 1:

Average throughput: 227.22 Mbit/s

95th percentile per-packet one-way delay: 181.859 ms

Loss rate: 0.03%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-06-06 12:40:22

End at: 2018-06-06 12:40:52

Local clock offset: 0.141 ms

Remote clock offset: -0.417 ms

Below is generated by plot.py at 2018-06-06 17:22:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 349.72 Mbit/s

95th percentile per-packet one-way delay: 139.021 ms

Loss rate: 1.08%

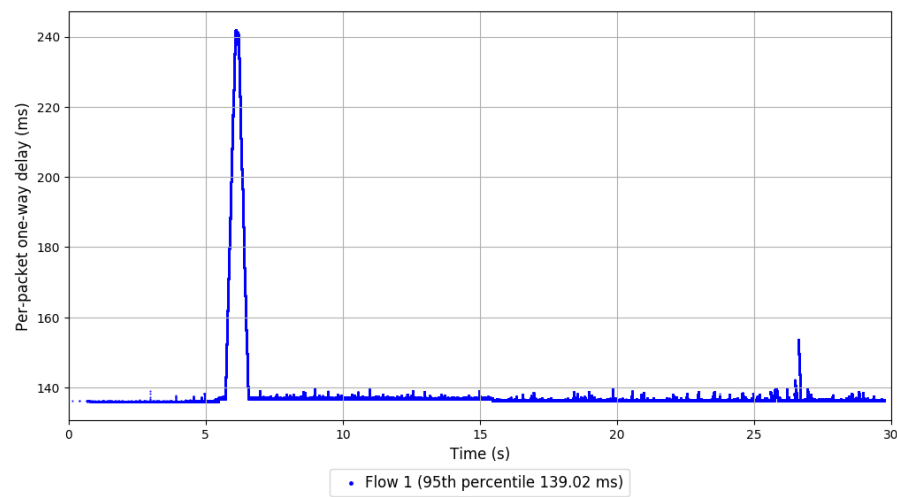
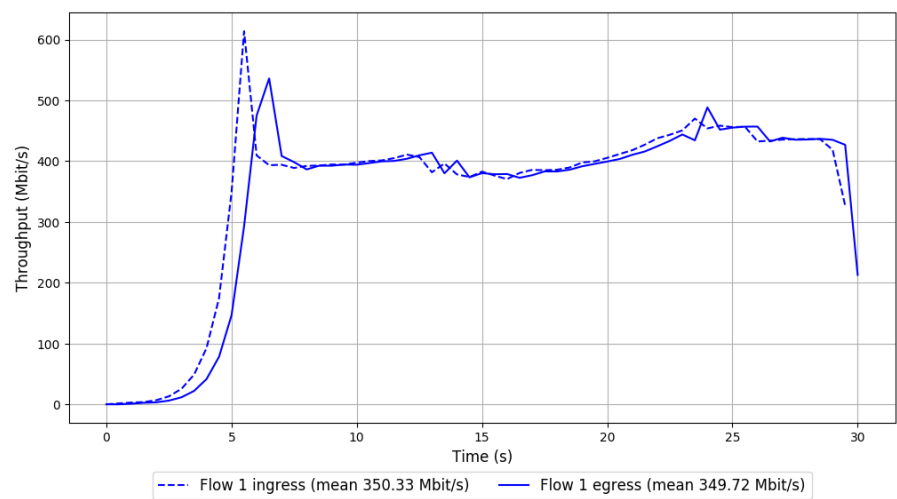
-- Flow 1:

Average throughput: 349.72 Mbit/s

95th percentile per-packet one-way delay: 139.021 ms

Loss rate: 1.08%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-06-06 13:01:45

End at: 2018-06-06 13:02:15

Local clock offset: 0.177 ms

Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-06-06 17:22:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 347.05 Mbit/s

95th percentile per-packet one-way delay: 140.818 ms

Loss rate: 1.07%

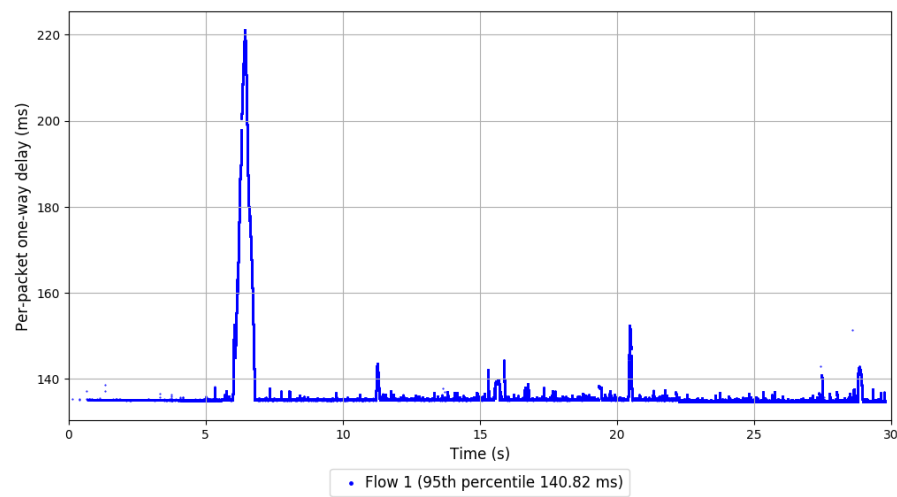
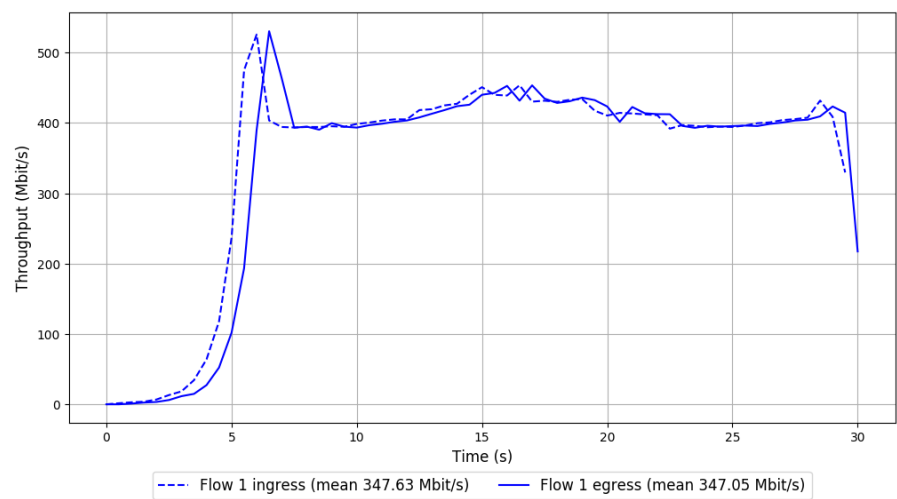
-- Flow 1:

Average throughput: 347.05 Mbit/s

95th percentile per-packet one-way delay: 140.818 ms

Loss rate: 1.07%

Run 2: Report of PCC-Vivace — Data Link

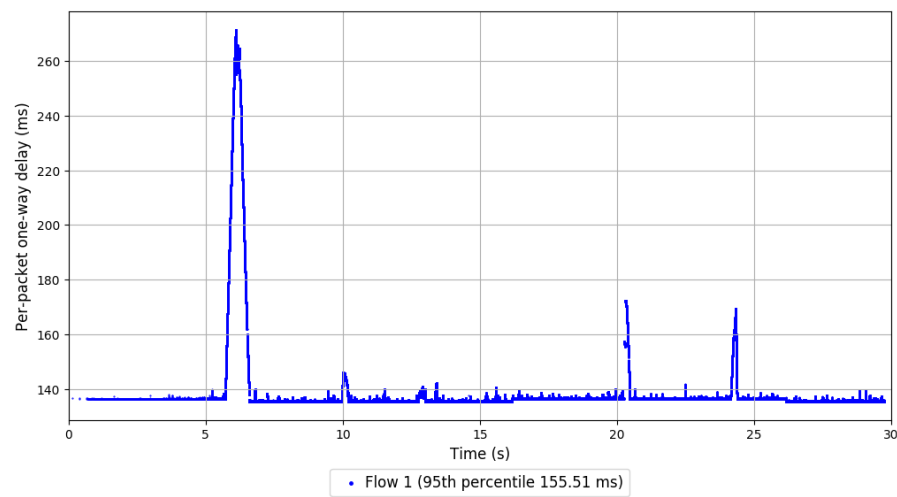
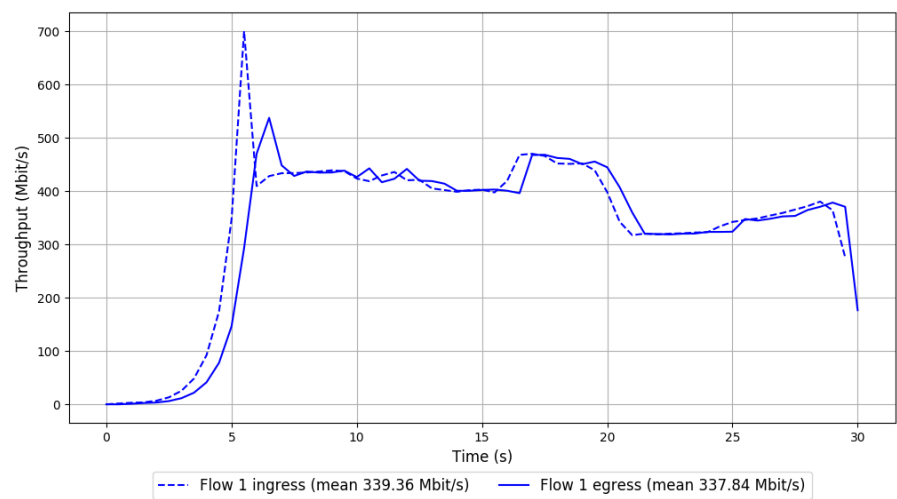


Run 3: Statistics of PCC-Vivace

Start at: 2018-06-06 13:23:11
End at: 2018-06-06 13:23:41
Local clock offset: 0.146 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-06-06 17:23:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 337.84 Mbit/s
95th percentile per-packet one-way delay: 155.512 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 337.84 Mbit/s
95th percentile per-packet one-way delay: 155.512 ms
Loss rate: 1.36%

Run 3: Report of PCC-Vivace — Data Link

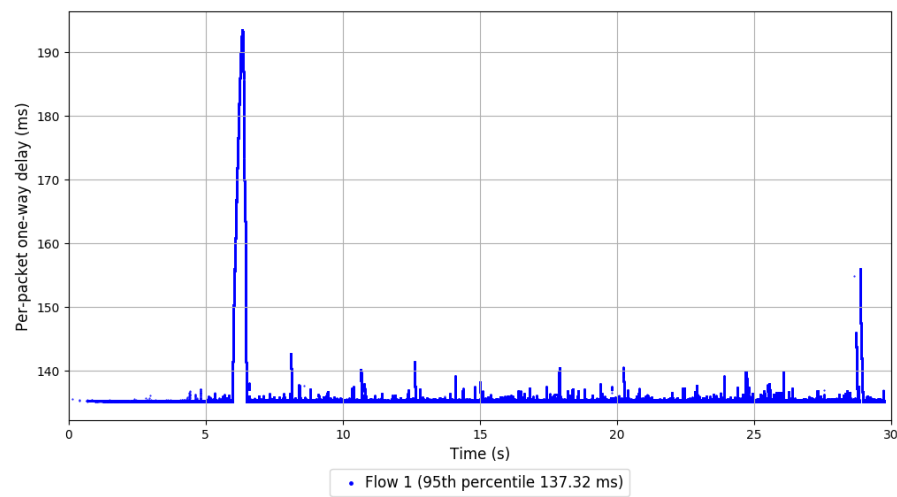
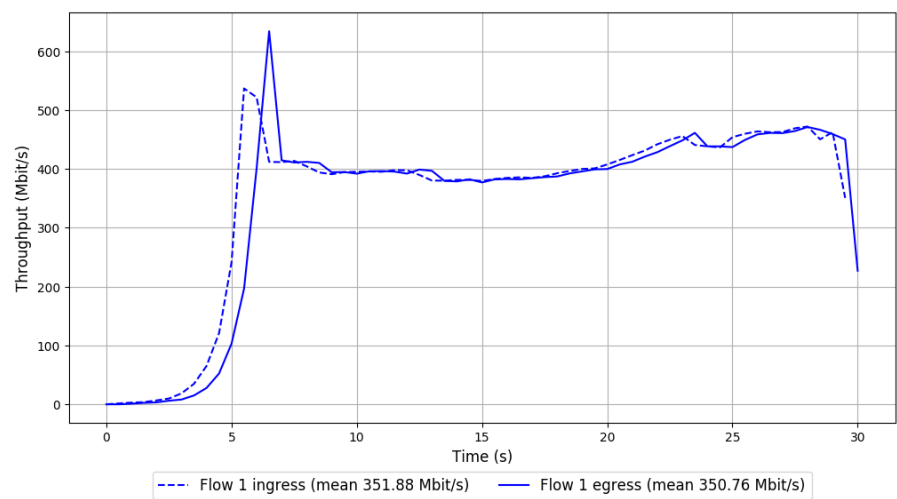


Run 4: Statistics of PCC-Vivace

Start at: 2018-06-06 13:44:36
End at: 2018-06-06 13:45:06
Local clock offset: -0.105 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-06-06 17:23:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 350.76 Mbit/s
95th percentile per-packet one-way delay: 137.316 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 350.76 Mbit/s
95th percentile per-packet one-way delay: 137.316 ms
Loss rate: 1.22%

Run 4: Report of PCC-Vivace — Data Link

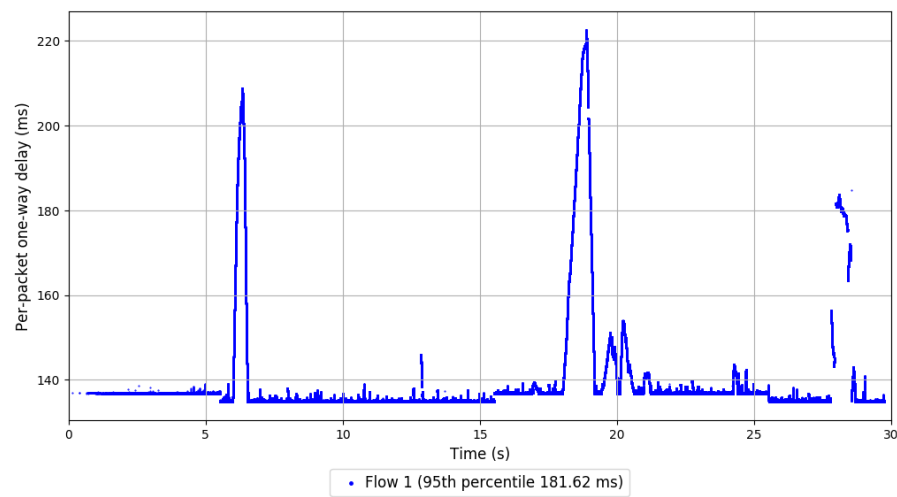
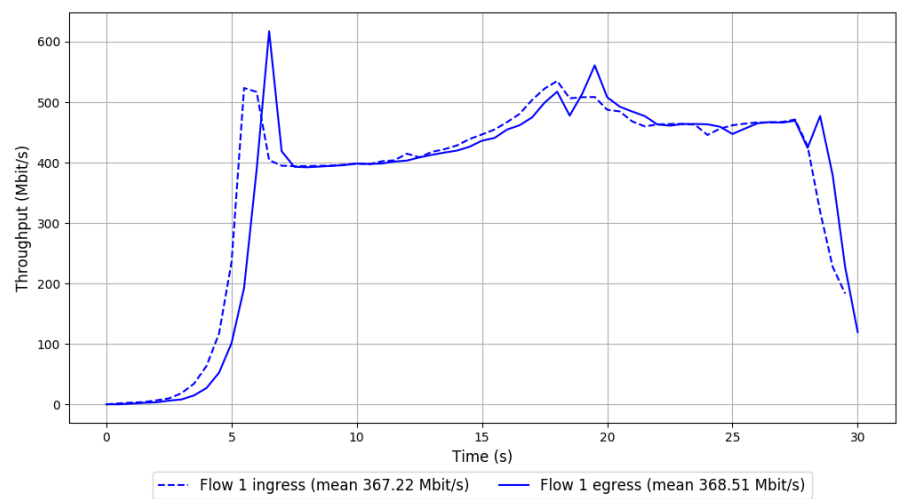


Run 5: Statistics of PCC-Vivace

Start at: 2018-06-06 14:05:32
End at: 2018-06-06 14:06:02
Local clock offset: -0.229 ms
Remote clock offset: -0.421 ms

Below is generated by plot.py at 2018-06-06 17:24:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 368.51 Mbit/s
95th percentile per-packet one-way delay: 181.619 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 368.51 Mbit/s
95th percentile per-packet one-way delay: 181.619 ms
Loss rate: 0.57%

Run 5: Report of PCC-Vivace — Data Link

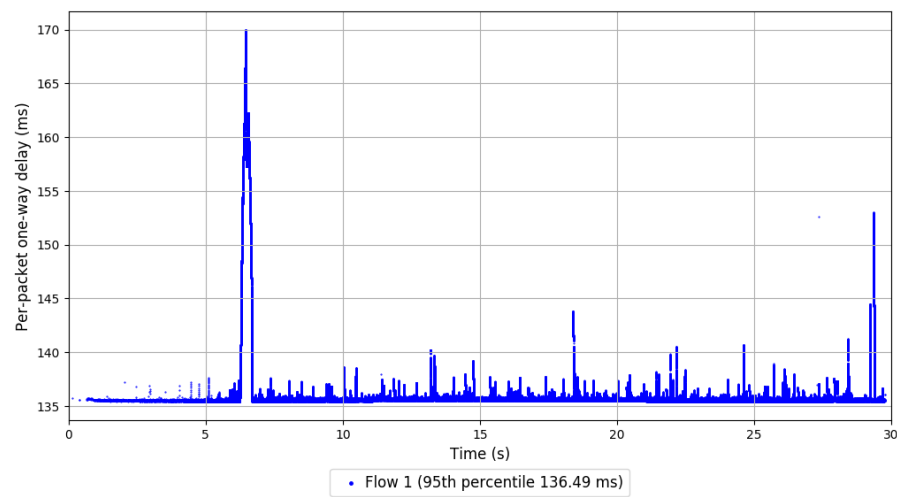
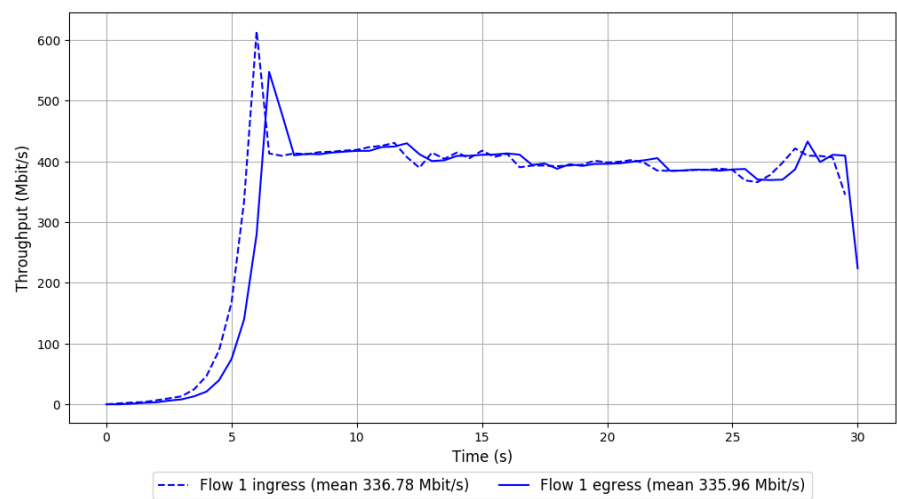


Run 6: Statistics of PCC-Vivace

Start at: 2018-06-06 14:26:36
End at: 2018-06-06 14:27:06
Local clock offset: -0.106 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-06-06 17:24:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 335.96 Mbit/s
95th percentile per-packet one-way delay: 136.492 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 335.96 Mbit/s
95th percentile per-packet one-way delay: 136.492 ms
Loss rate: 1.15%

Run 6: Report of PCC-Vivace — Data Link

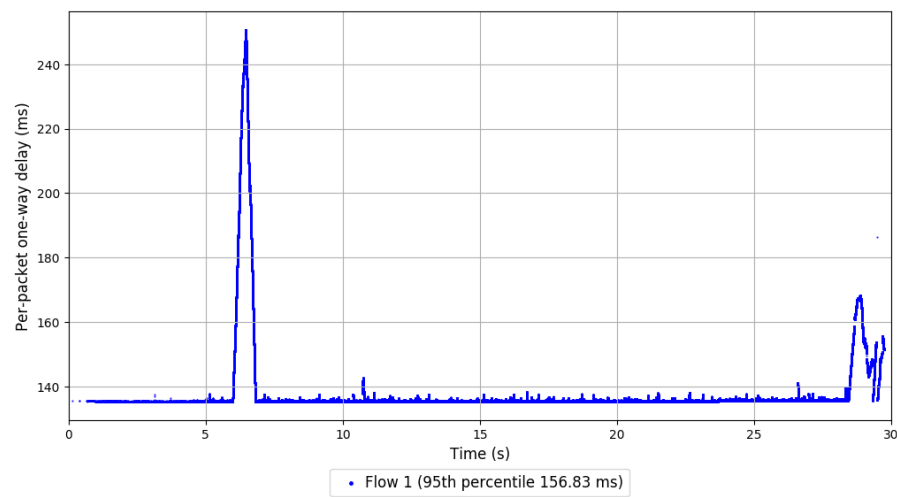
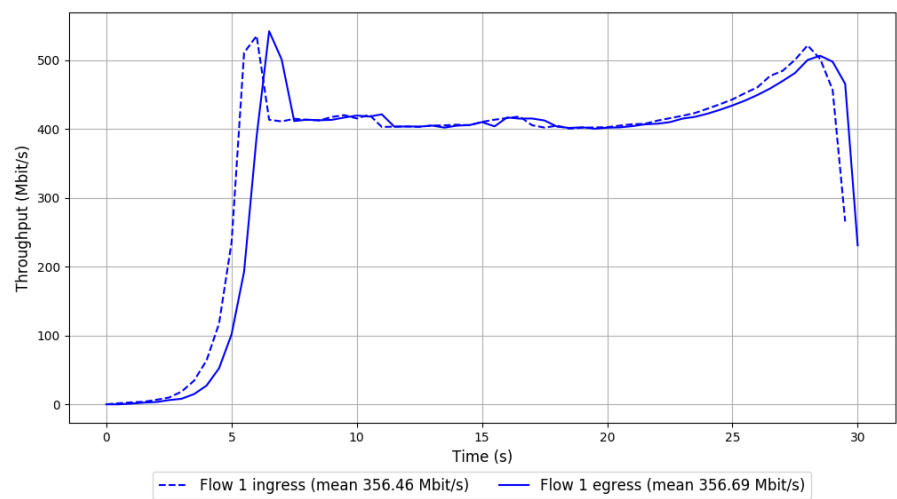


Run 7: Statistics of PCC-Vivace

Start at: 2018-06-06 14:48:24
End at: 2018-06-06 14:48:54
Local clock offset: -0.162 ms
Remote clock offset: -0.229 ms

Below is generated by plot.py at 2018-06-06 17:25:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 356.69 Mbit/s
95th percentile per-packet one-way delay: 156.830 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 356.69 Mbit/s
95th percentile per-packet one-way delay: 156.830 ms
Loss rate: 0.85%

Run 7: Report of PCC-Vivace — Data Link

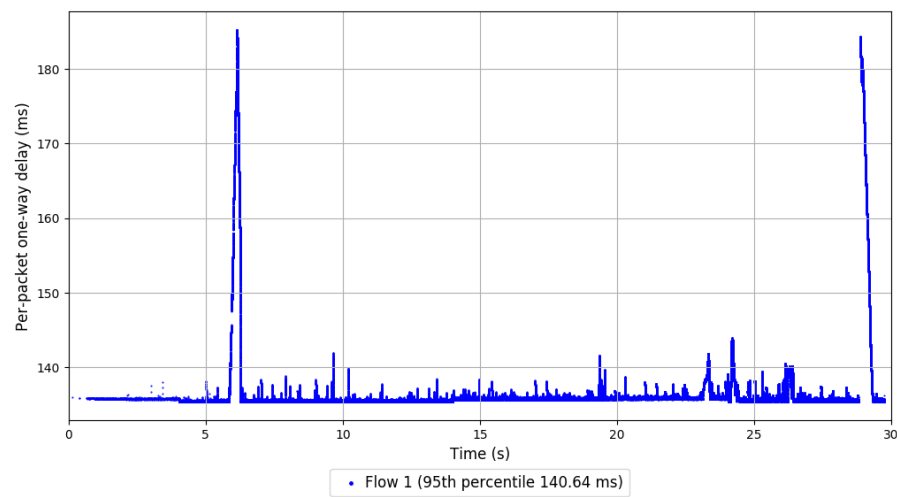
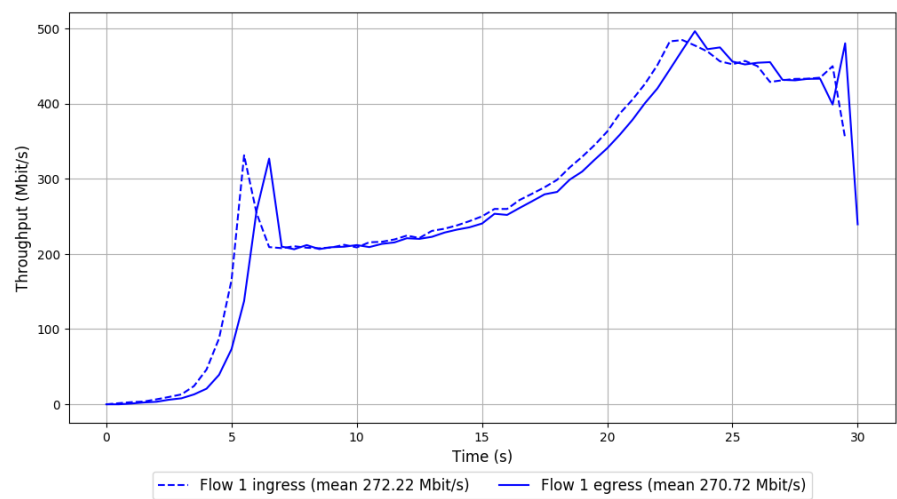


Run 8: Statistics of PCC-Vivace

Start at: 2018-06-06 15:09:53
End at: 2018-06-06 15:10:23
Local clock offset: -0.014 ms
Remote clock offset: -0.284 ms

Below is generated by plot.py at 2018-06-06 17:25:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 270.72 Mbit/s
95th percentile per-packet one-way delay: 140.639 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 270.72 Mbit/s
95th percentile per-packet one-way delay: 140.639 ms
Loss rate: 1.46%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-06-06 15:31:33

End at: 2018-06-06 15:32:03

Local clock offset: 0.02 ms

Remote clock offset: -0.264 ms

Below is generated by plot.py at 2018-06-06 17:25:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 345.18 Mbit/s

95th percentile per-packet one-way delay: 144.134 ms

Loss rate: 1.37%

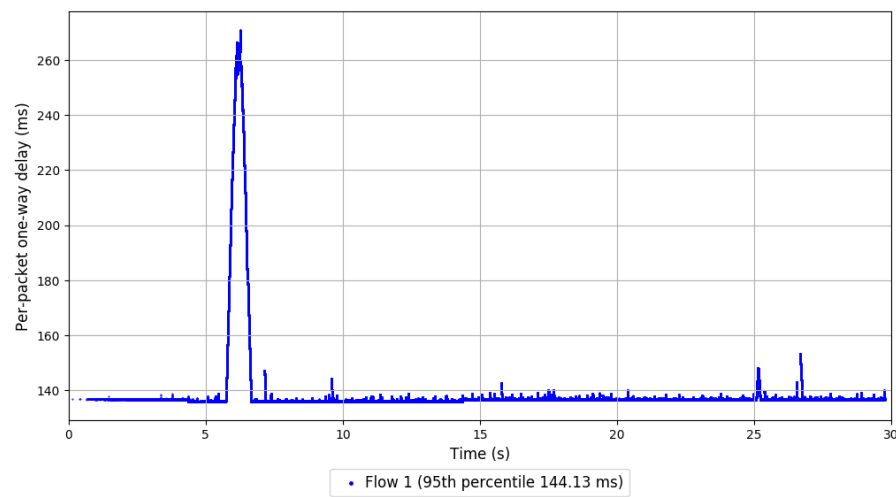
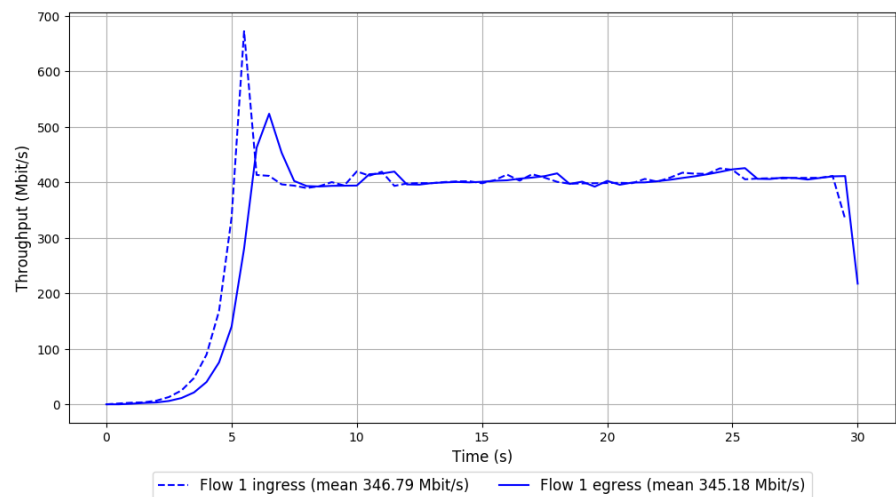
-- Flow 1:

Average throughput: 345.18 Mbit/s

95th percentile per-packet one-way delay: 144.134 ms

Loss rate: 1.37%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-06-06 15:52:57

End at: 2018-06-06 15:53:27

Local clock offset: 0.182 ms

Remote clock offset: 0.574 ms

Below is generated by plot.py at 2018-06-06 17:25:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.06 Mbit/s

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

Loss rate: 1.26%

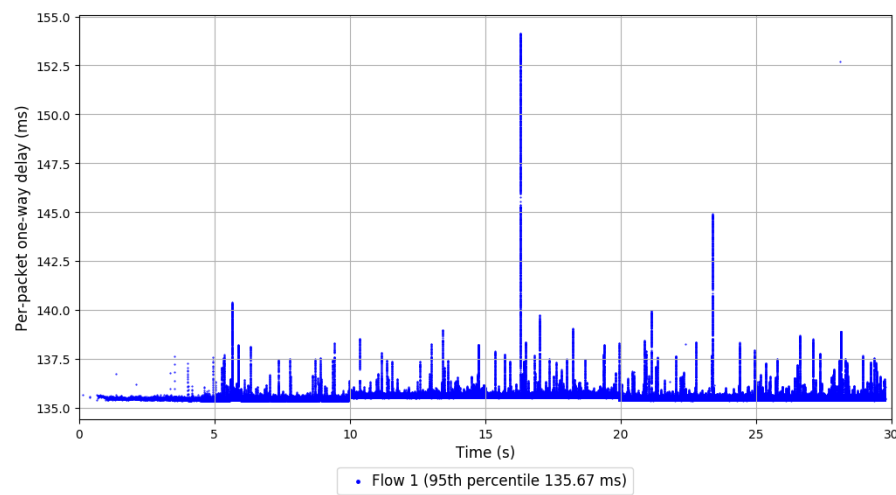
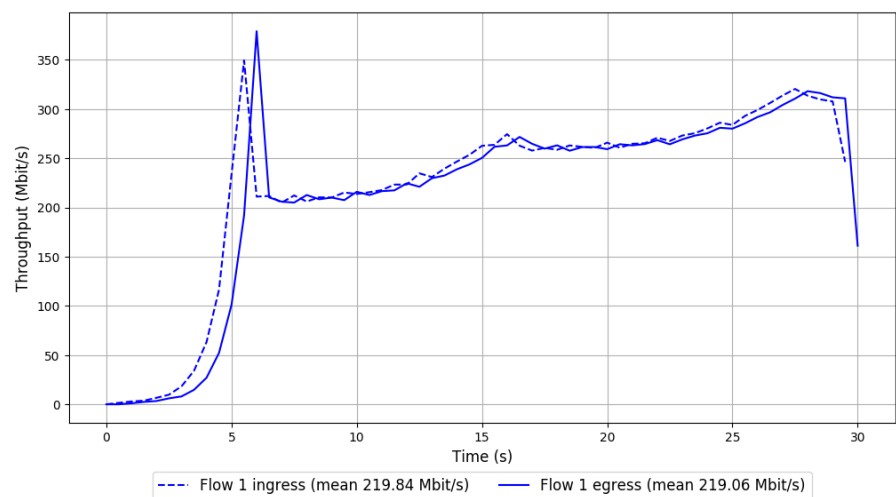
-- Flow 1:

Average throughput: 219.06 Mbit/s

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

Loss rate: 1.26%

Run 10: Report of PCC-Vivace — Data Link

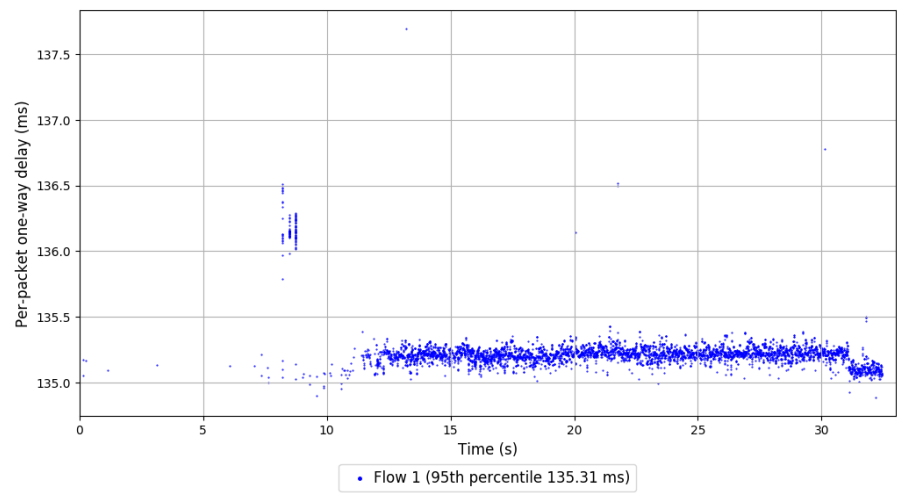
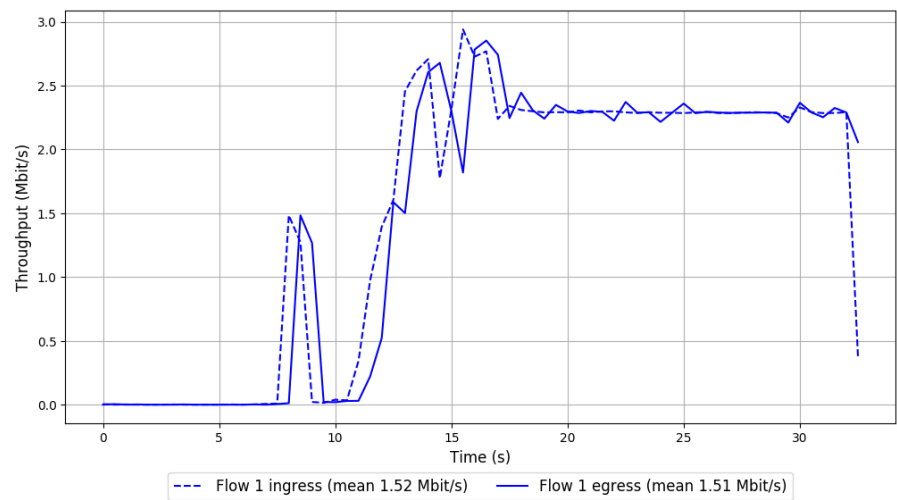


```
Run 1: Statistics of WebRTC media

Start at: 2018-06-06 12:43:09
End at: 2018-06-06 12:43:39
Local clock offset: -0.173 ms
Remote clock offset: 0.315 ms

# Below is generated by plot.py at 2018-06-06 17:25:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 135.312 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 135.312 ms
Loss rate: 1.23%
```

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-06-06 13:04:33

End at: 2018-06-06 13:05:03

Local clock offset: -0.264 ms

Remote clock offset: 0.294 ms

Below is generated by plot.py at 2018-06-06 17:25:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.83 Mbit/s

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

Loss rate: 1.09%

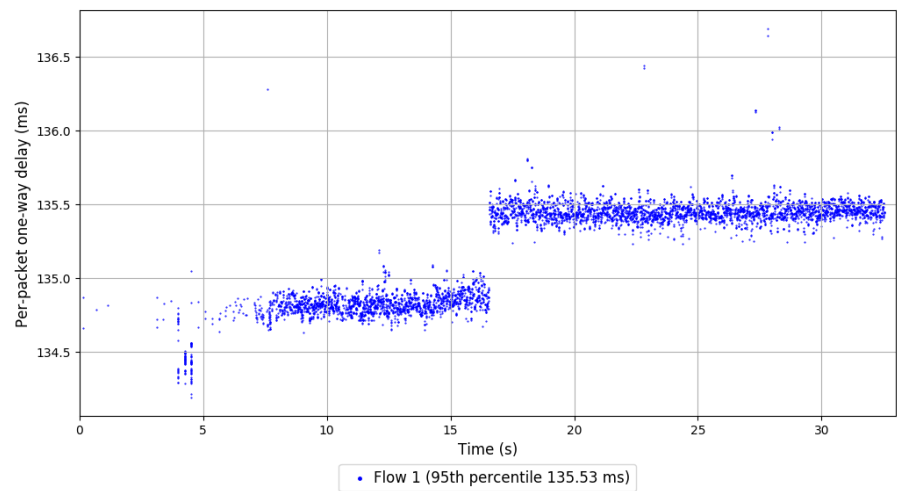
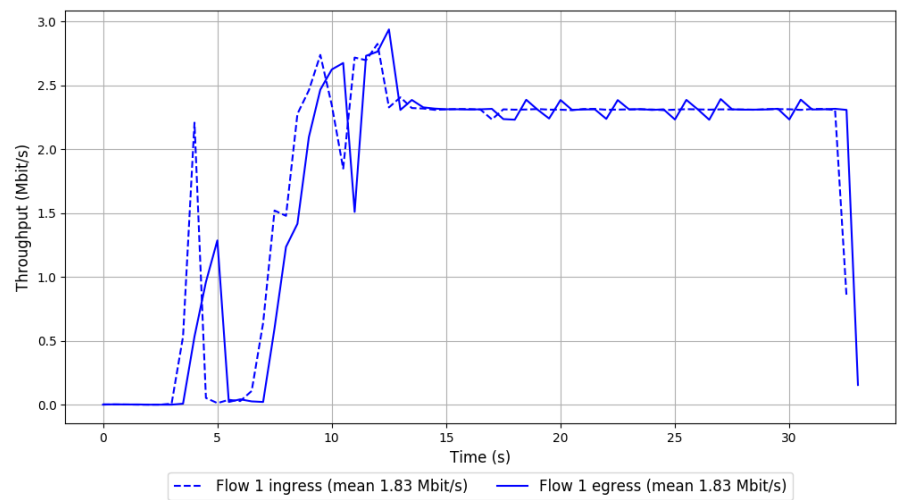
-- Flow 1:

Average throughput: 1.83 Mbit/s

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

Loss rate: 1.09%

Run 2: Report of WebRTC media — Data Link

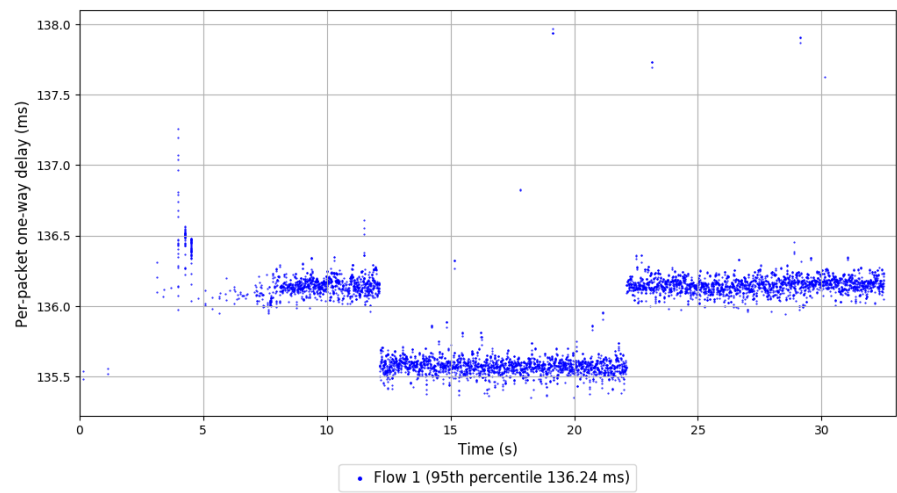
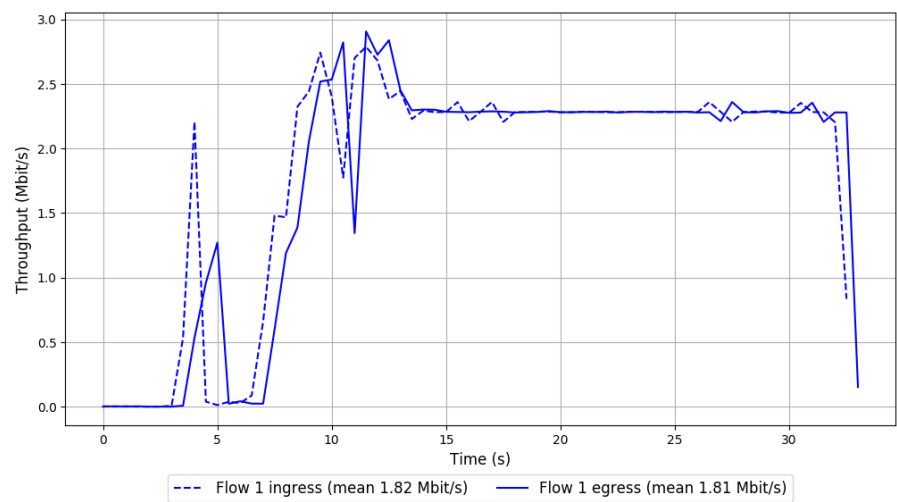


Run 3: Statistics of WebRTC media

Start at: 2018-06-06 13:25:58
End at: 2018-06-06 13:26:28
Local clock offset: -0.023 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-06-06 17:25:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 136.242 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 136.242 ms
Loss rate: 1.09%

Run 3: Report of WebRTC media — Data Link

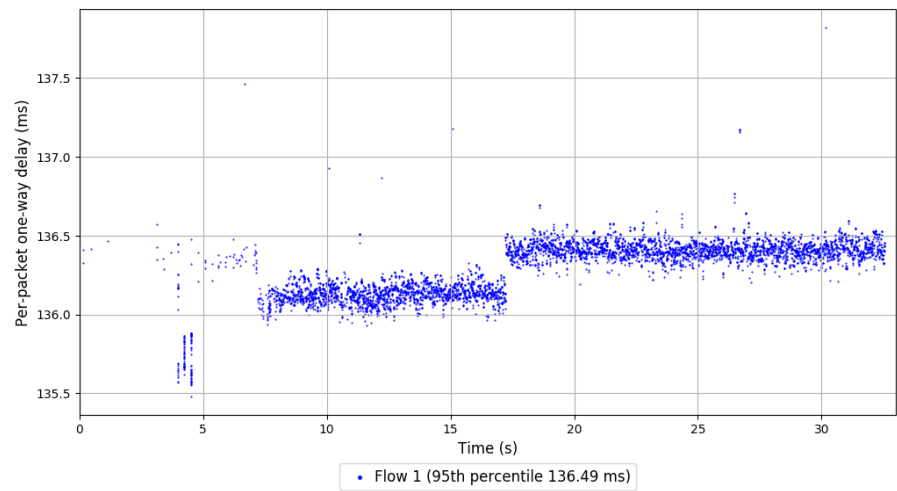
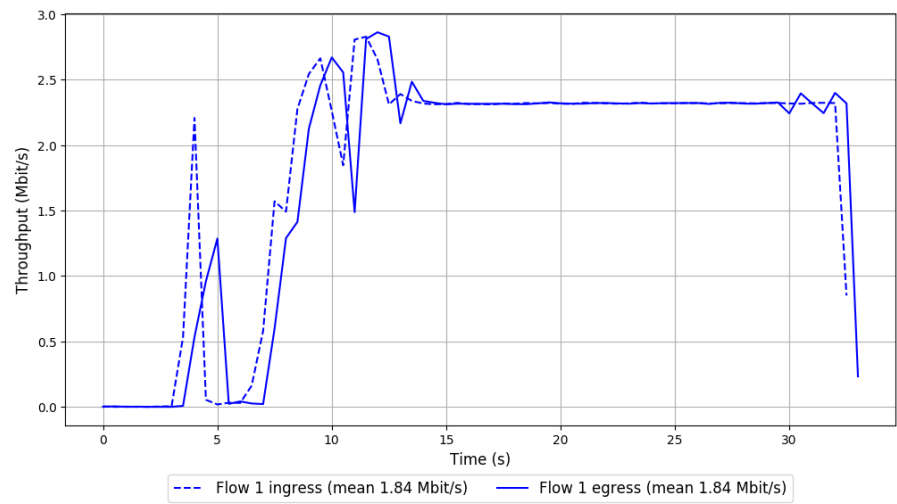


Run 4: Statistics of WebRTC media

Start at: 2018-06-06 13:47:23
End at: 2018-06-06 13:47:53
Local clock offset: 0.117 ms
Remote clock offset: -0.382 ms

Below is generated by plot.py at 2018-06-06 17:25:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 136.488 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 136.488 ms
Loss rate: 1.03%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-06-06 14:08:23

End at: 2018-06-06 14:08:53

Local clock offset: 0.022 ms

Remote clock offset: 0.368 ms

Below is generated by plot.py at 2018-06-06 17:25:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.86 Mbit/s

95th percentile per-packet one-way delay: 135.763 ms

Loss rate: 1.10%

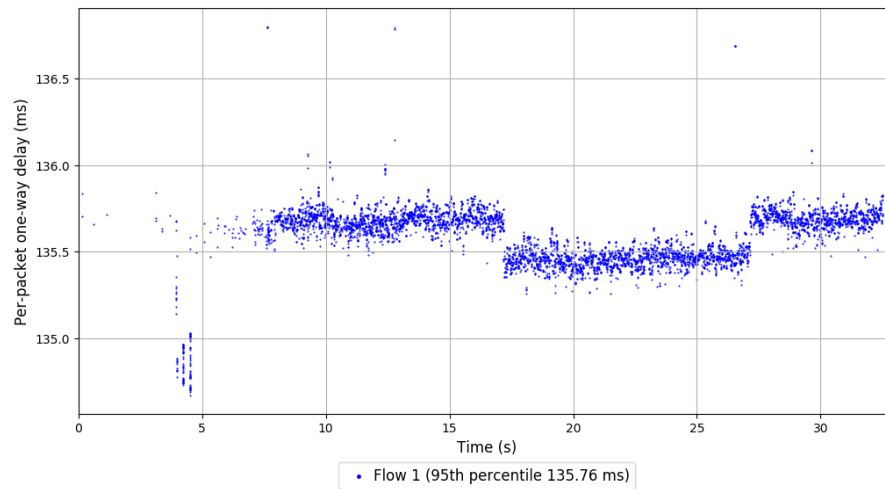
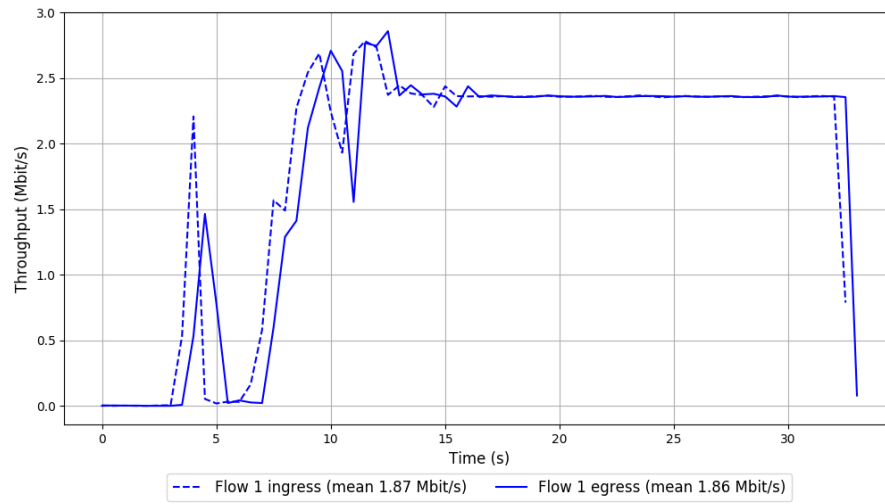
-- Flow 1:

Average throughput: 1.86 Mbit/s

95th percentile per-packet one-way delay: 135.763 ms

Loss rate: 1.10%

Run 5: Report of WebRTC media — Data Link

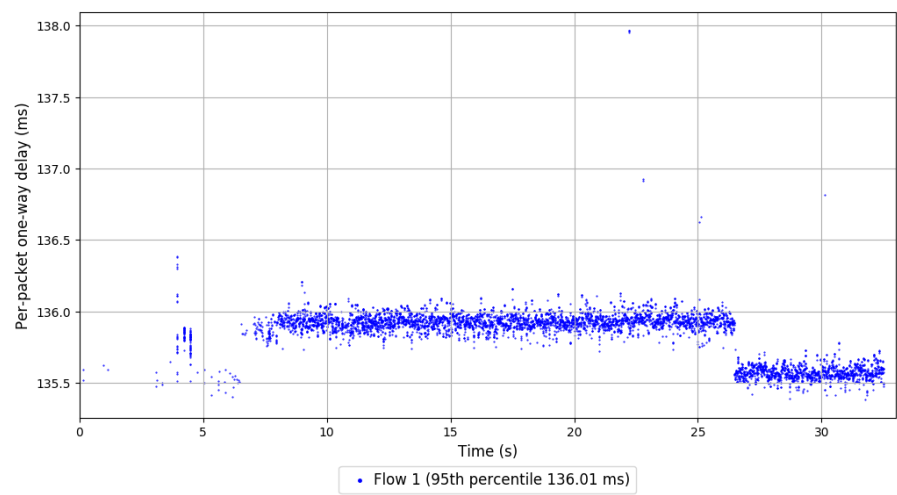
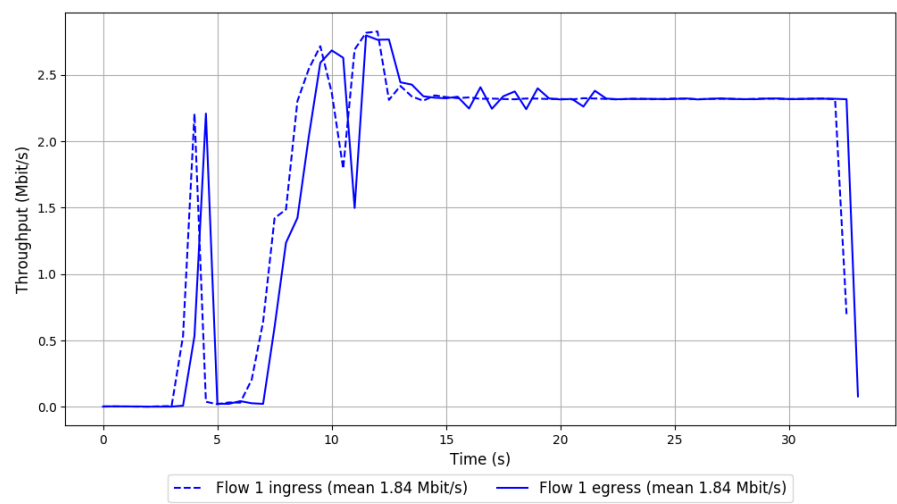


Run 6: Statistics of WebRTC media

Start at: 2018-06-06 14:29:24
End at: 2018-06-06 14:29:54
Local clock offset: -0.097 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-06-06 17:25:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 136.014 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 136.014 ms
Loss rate: 1.03%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-06-06 14:51:12

End at: 2018-06-06 14:51:42

Local clock offset: -0.142 ms

Remote clock offset: 0.108 ms

Below is generated by plot.py at 2018-06-06 17:25:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.81 Mbit/s

95th percentile per-packet one-way delay: 135.779 ms

Loss rate: 1.09%

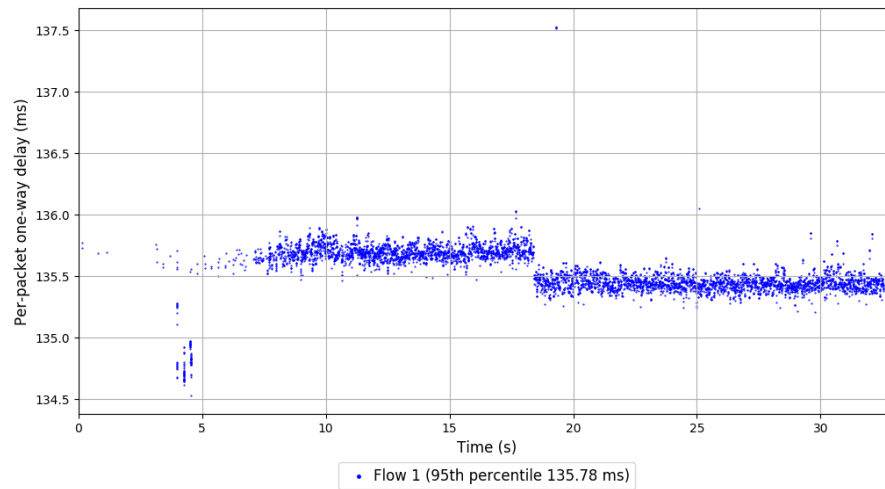
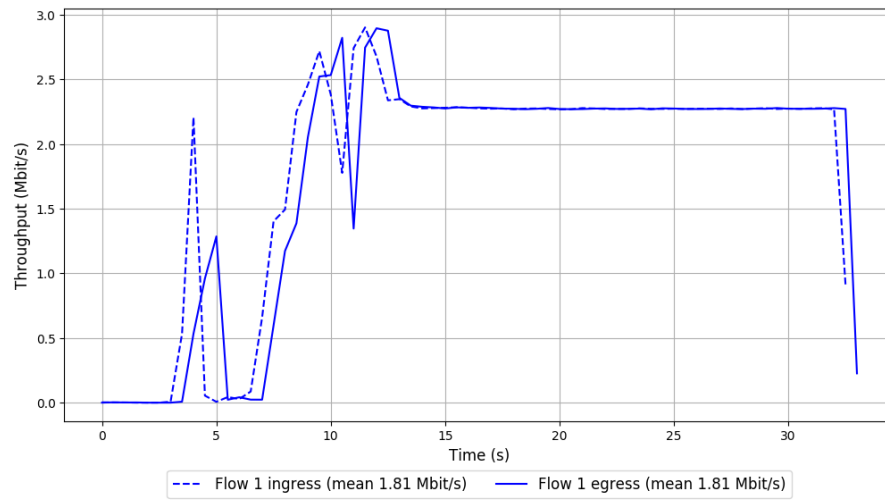
-- Flow 1:

Average throughput: 1.81 Mbit/s

95th percentile per-packet one-way delay: 135.779 ms

Loss rate: 1.09%

Run 7: Report of WebRTC media — Data Link

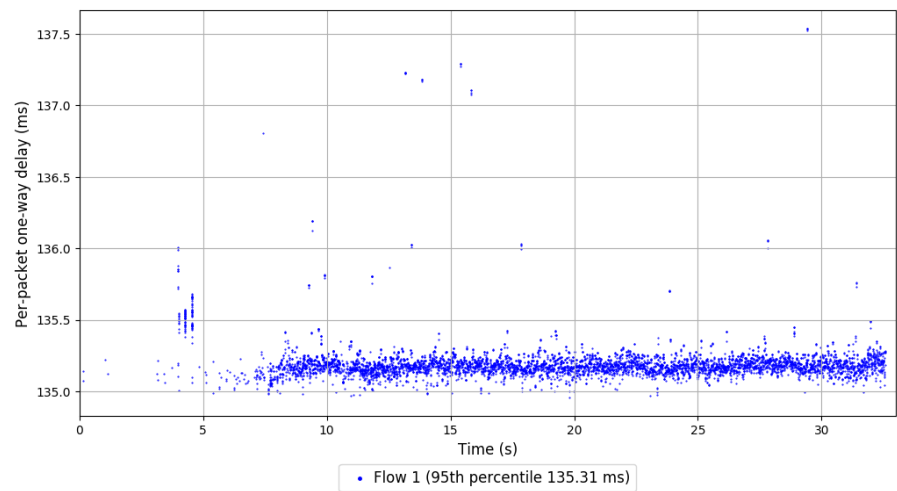
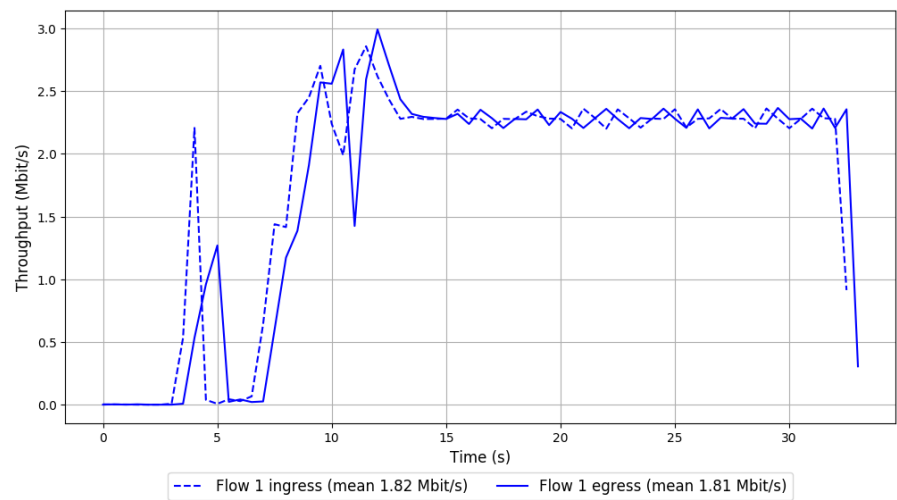


Run 8: Statistics of WebRTC media

Start at: 2018-06-06 15:12:36
End at: 2018-06-06 15:13:06
Local clock offset: -0.024 ms
Remote clock offset: -0.564 ms

Below is generated by plot.py at 2018-06-06 17:25:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 135.306 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 135.306 ms
Loss rate: 1.03%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-06-06 15:34:20

End at: 2018-06-06 15:34:50

Local clock offset: -0.124 ms

Remote clock offset: 0.512 ms

Below is generated by plot.py at 2018-06-06 17:25:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.81 Mbit/s

95th percentile per-packet one-way delay: 135.295 ms

Loss rate: 1.09%

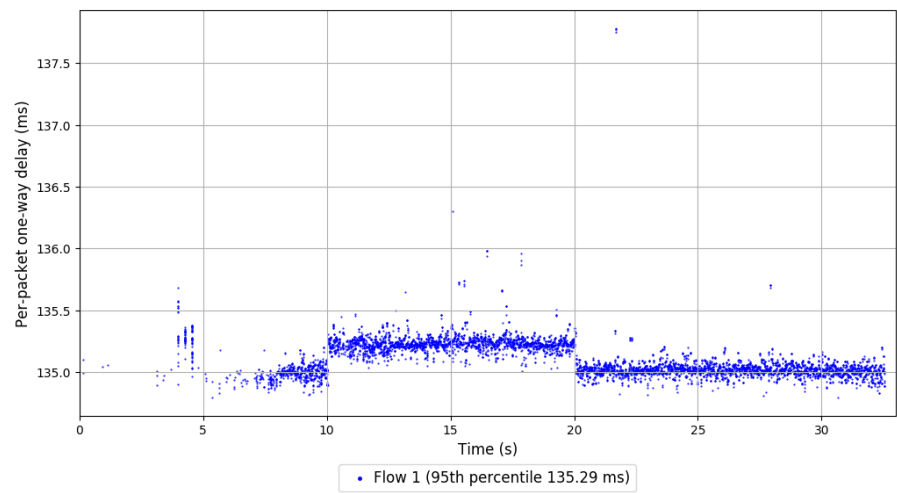
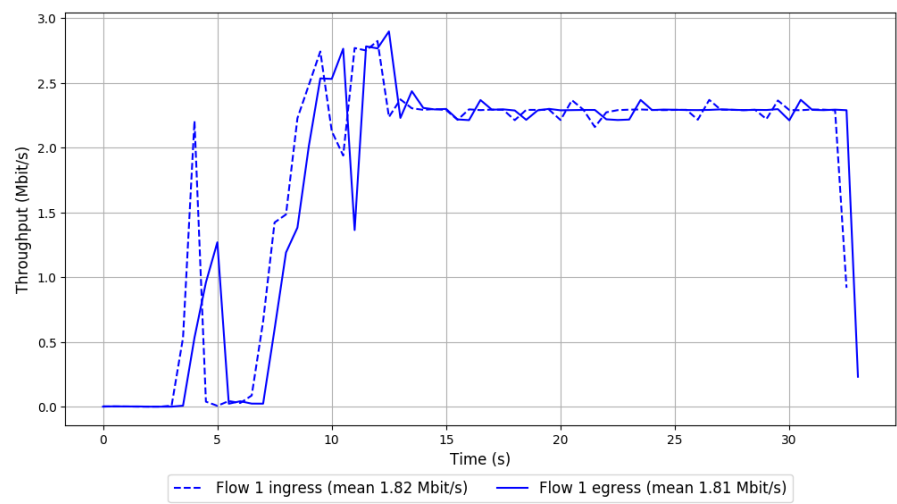
-- Flow 1:

Average throughput: 1.81 Mbit/s

95th percentile per-packet one-way delay: 135.295 ms

Loss rate: 1.09%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-06 15:55:35

End at: 2018-06-06 15:56:05

Local clock offset: 0.057 ms

Remote clock offset: 0.19 ms

Below is generated by plot.py at 2018-06-06 17:25:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 136.142 ms

Loss rate: 1.03%

-- Flow 1:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 136.142 ms

Loss rate: 1.03%

Run 10: Report of WebRTC media — Data Link

